



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

CONTRACT I-19-4495 I-294 WIDENING RAMP C FLYOVER, DIXIE CREEK BRIDGE, AND RAMP F2

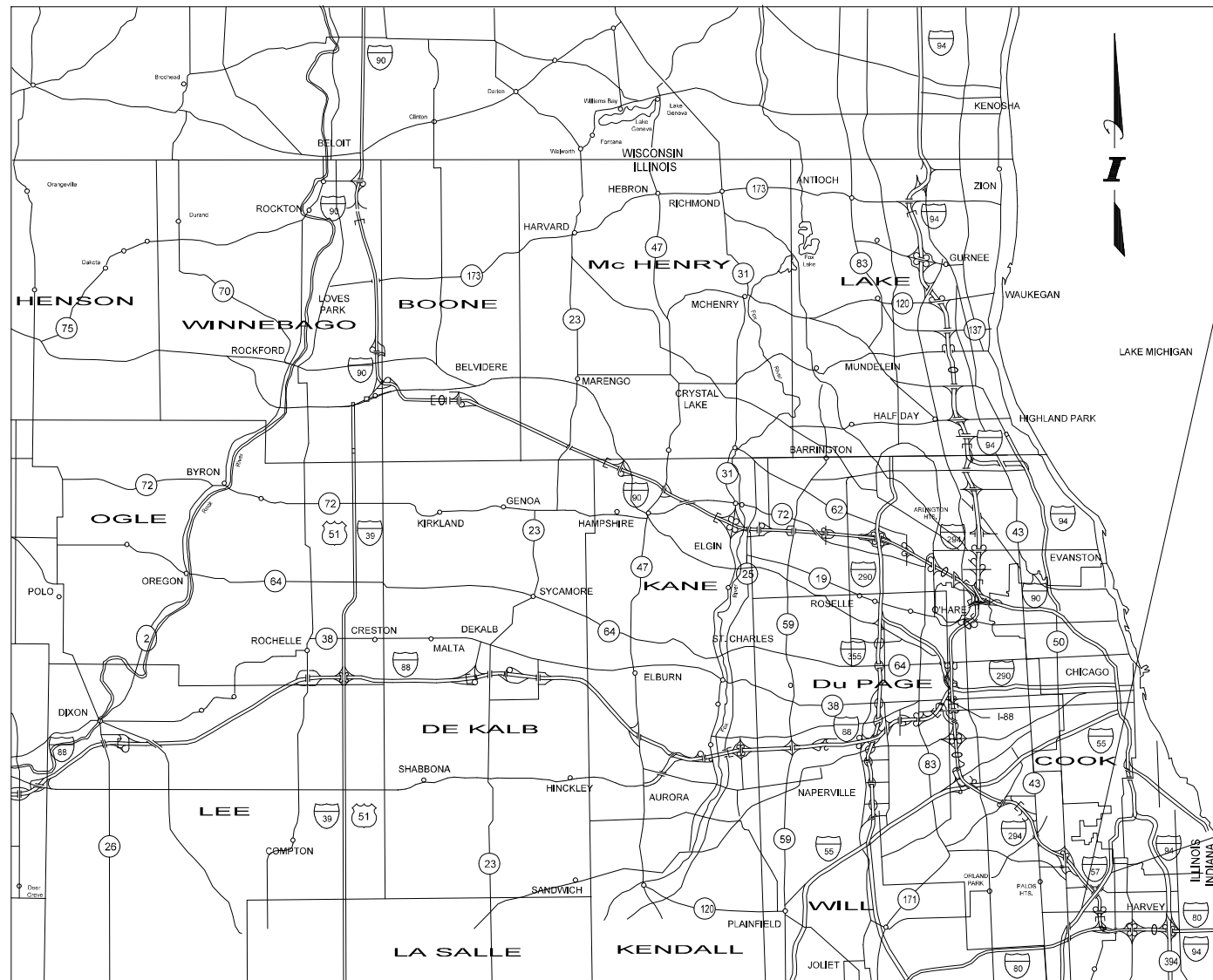
GENERAL NOTES, SUMMARY OF QUANTITIES, ALIGNMENT AND TIES, TYPICAL SECTIONS, MAINTENANCE OF TRAFFIC, REMOVAL PLANS, ROADWAY PLANS AND PROFILES, GRADING PLANS, DRAINAGE PLANS AND PROFILES, P&E PLANS, TEMPORARY EROSION CONTROL, PAVEMENT MARKING, SIGNING, AND LANDSCAPE PLANS, LIGHTING PLANS, SURVEILLANCE PLANS, STRUCTURAL PLANS, AND CROSS SECTIONS.

SHEETS BY AMERICAN SURVEY & ENGINEERING (SUE SHEETS).

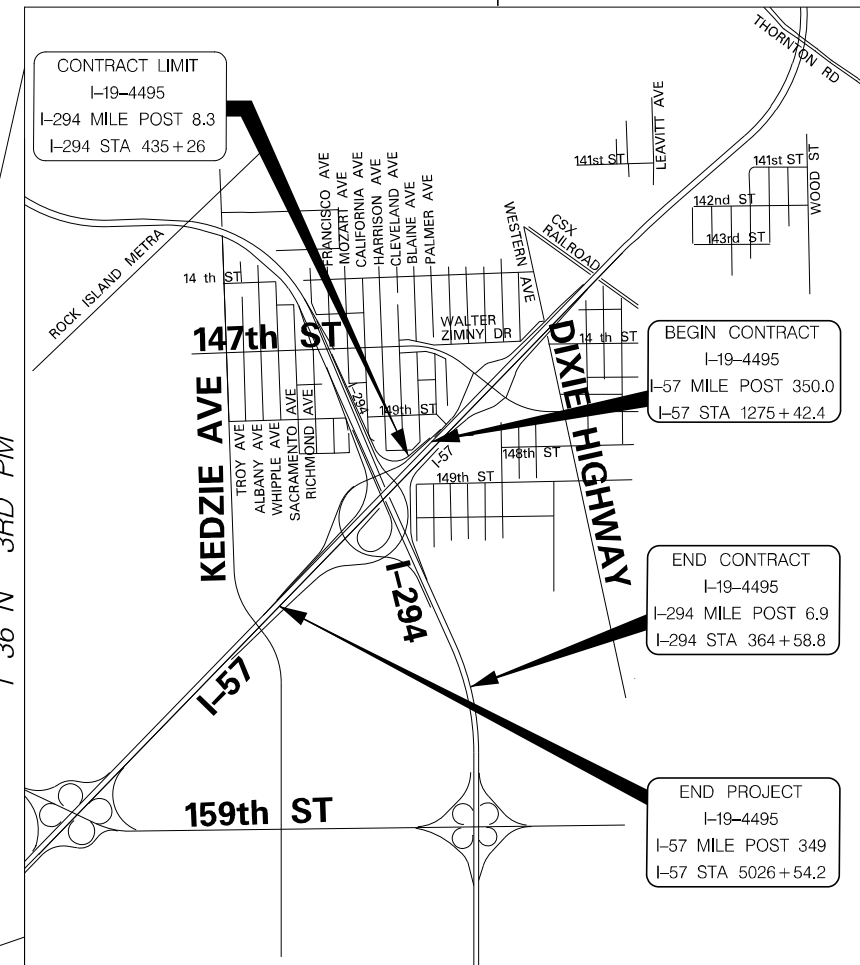
I-57 MILE POST 350.0 TO I-294 MILE POST 6.9
I-57 STA 1275+43.4 TO I-294 STA 364+58.8

VOLUME I OF III

R. 13 E. | R. 14 E.



LOCATION MAP



CONSTRUCTION AREA MAP

VILLAGE OF POSEN

DESIGN SECTION ENGINEER:

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	T.Y. LIN INTERNATIONAL JOEL P. MARHOLC, P.E.
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EXPIRATION DATE:	11-30-2021
DATE:	3-24-2020
DRAWING NO.	1-94, 120-138, 160-209, 244-263, 510-512, 554-606
	T.Y. LIN INTERNATIONAL SPIROS PANTAZIS, S.E.
<i>S. Pantazis</i>	
EXPIRATION DATE:	11-30-2020
DATE:	3-24-2020
DRAWING NO.	264-509, 513-553
	TRANSMART/EJM CORPORATION MOHAMMED K. RASHED, P.E.
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DATE:	03-23-2020
DRAWING NO.	210-243
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EXPIRATION DATE:	11-30-2021
DATE:	3-24-2020
DRAWING NO.	95-119, 139-159

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 CHECKED BY

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 SCALE *NONE*

TYLIN INTERNATIONAL



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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 INDEX OF DRAWINGS

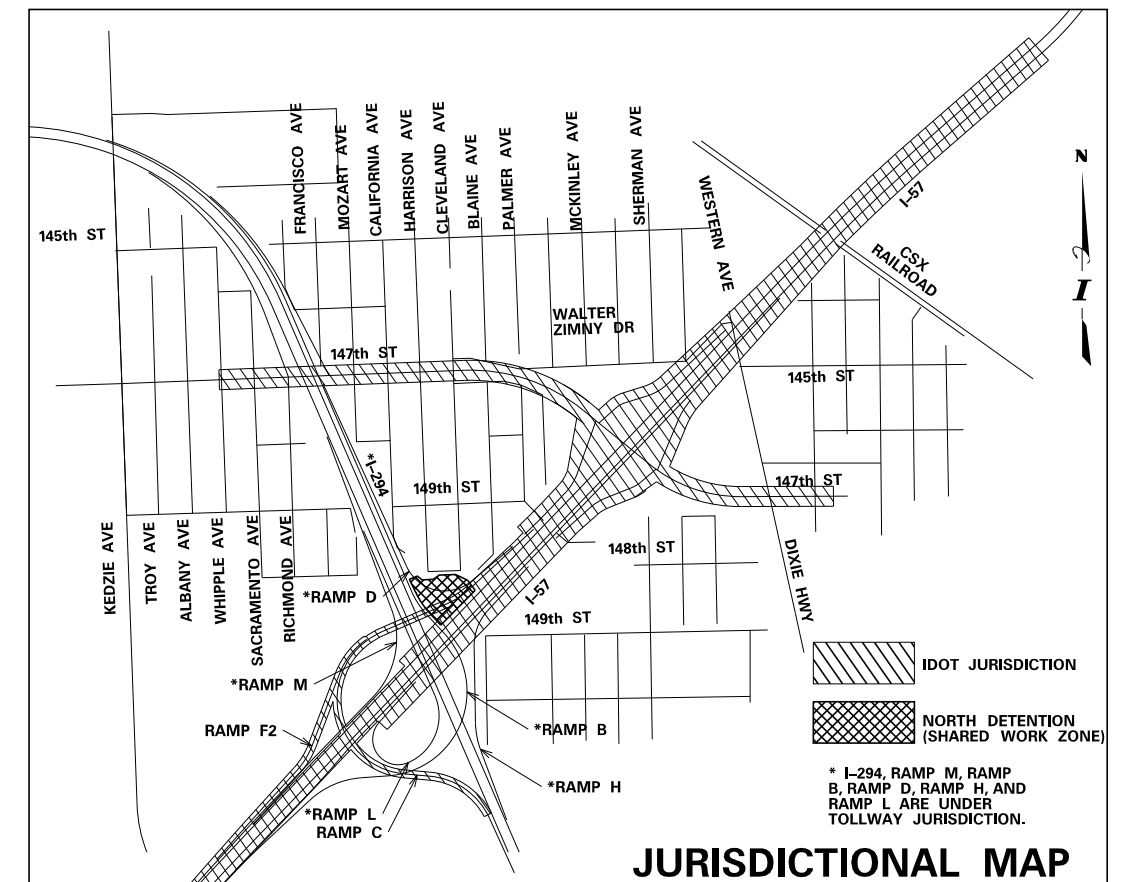
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JURISDICTIONAL MAP

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TYLIN INTERNATIONAL



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2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

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NO.	DATE	DESCRIPTION

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SHEET G-003
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GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2020; THE "TOLLWAY SUPPLEMENTAL SPECIFICATIONS TO THE IDOT STANDARD SPECIFICATIONS", ISSUED APRIL 5, 2019; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD); THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS" (SSCTC); THE DETAILS IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL BE MADE AWARE THAT ALL CONSTRUCTION VEHICLES SHALL BE LIMITED TO 15 FEET ABOVE EXISTING GRADE WHILE CROSSING UNDER COMMONWEALTH EDISON'S TRANSMISSION LINES.
3. THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.
4. PRIOR TO STARTING ANY EXCAVATION OR ANY OTHER CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, CABLE, AND GAS FACILITIES (48 HOURS NOTIFICATION IS REQUIRED). CONTACT THE APPLICABLE MUNICIPALITY FOR SEWER AND WATER LOCATIONS.
5. ANY ITEM NOT CALLED FOR REMOVAL AND DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
6. NIGHT OPERATIONS: IF CONTRACTOR ELECTS TO UTILIZE ARTIFICIAL LIGHTING IN NIGHT OPERATIONS, HE SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AS WELL AS THE ADJOINING RESIDENTIAL AREAS.
7. (NOT USED)
8. BUTT JOINTS MUST BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH DISTRICT 1 DETAIL BD-32 "BUTT JOINT AND HMA TAPER DETAILS" INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
9. ALL HORIZONTAL COORDINATES AND VERTICAL ELEVATIONS REFER TO NAD83 (CORS) ILLINOIS EAST ZONE HORIZONTAL DATUM AND NAVD88 VERTICAL DATUM, RESPECTIVELY.
10. (NOT USED)
11. 10 FT TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
12. THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS.
13. DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
14. THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND IDOT AND/OR TOLLWAY DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS OWN EXPENSE. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. PRIOR TO CONSTRUCTION AND COORDINATE HIS ACTIVITIES WITH THE ENGINEER.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
16. ANY EXISTING OR PROPOSED STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
17. THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNING MUNICIPALITY. UNAUTHORIZED USE IS SUBJECT TO ARREST AND PROSECUTION.
18. THE ENGINEER SHALL CONTACT THE IDOT TRAFFIC CONTROL EXPRESSWAY SUPERVISOR AT 847-705-4155 FOR EXPRESSWAY WORK AND 847-705-4470 FOR ARTERIAL WORK, AND THE MUNICIPALITIES A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES WITHIN IDOT JURISDICTION.
19. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.
20. ALL STORM SEWER CONNECTIONS WITH PIPES 27 INCHES IN DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 27 INCHES IN DIAMETER, OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED. PRECAST "TEE" AND "WYE" PIPE CONNECTIONS (LABOR AND MATERIALS) FOR PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STORM SEWERS, OF THE TYPE AND SIZE SPECIFIED. "TEE" AND "WYE" CONNECTIONS ARE NOT ALLOWED IN TOLLWAY JURISDICTION.

21. ANY ABANDONED UTILITY OR SEWER ENCOUNTERED DURING CONSTRUCTION OR ANY EXISTING UTILITY OR SEWER ABANDONED AS PART OF THE CONSTRUCTION THAT IS NOT BEING FILLED WITH C.L.S.M., AS PER PLAN, SHALL BE PLUGGED AS DIRECTED BY THE ENGINEER AND ABANDONED IN PLACE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
22. DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THIS WORK SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
23. THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, AND CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN A PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
24. FENCE: EXISTING FENCE THAT HAS TO BE DISCONNECTED AND/OR REMOVED FOR THE CONTRACTOR'S OPERATION SHALL BE RECONNECTED AND/OR REPLACED BY THE CONTRACTOR IN KIND AT NO ADDITIONAL COST TO THE TOLLWAY. TEMPORARY FENCE SHOULD BE INSTALLED IF EXISTING FENCE IS REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 664 OF THE STANDARD SPECIFICATIONS. ANY RIGHT-OF-WAY MARKERS DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REESTABLISHED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
25. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY IDOT, ILLINOIS TOLLWAY AND/OR APPLICABLE MUNICIPALITY AT LEAST 10 DAYS IN ADVANCE OF ANY CONSTRUCTION NEAR DEPARTMENT OWNED ELECTRICAL, COMMUNICATIONS, TRAFFIC CONTROL CABLES, OR TOLLWAY FIBER OPTIC CABLES. IDOT AND/OR APPLICABLE MUNICIPALITY ELECTRICIANS WILL LOCATE ANY POSSIBLE INTERFERING CABLES. ANY BURIED CABLE AT OR NEAR A PROPOSED CONSTRUCTION LOCATION SHALL FIRST BE EXPOSED BY THE CONTRACTOR BY HAND DIGGING. ONCE EXPOSED, AND IF THE ENGINEER DETERMINES THERE IS A CONFLICT, THE CONTRACTOR SHALL RELOCATE THE CABLES. IF THE CONTRACTOR CUTS OR DAMAGES ANY CABLES, EITHER THROUGH CARELESSNESS OR FAILURE TO FOLLOW THE ABOVE PROCEDURE, HE SHALL THEN BE HELD RESPONSIBLE FOR THE REPAIRING OF ALL DAMAGES AT HIS EXPENSE, TO THE SATISFACTION OF THE AGENCY.
26. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO ABUTTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.
27. NO PAYMENT WILL BE MADE FOR RESTORATION BEYOND THE LIMITS SHOWN ON THE PLANS.
28. ANY EXISTING UTILITY ADJUSTMENT AGREEMENTS AND SCHEDULES FOR THE ADJUSTMENT OF UTILITIES, WHICH MAY AFFECT THE WORK, WILL BE MADE AVAILABLE TO THE BIDDERS UPON REQUEST.
29. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND PRESERVING THE PROJECT'S SURVEY CONTROL POINTS AND BENCHMARKS. RELOCATING AND REPLACING CONTROL POINTS AND BENCHMARKS SHALL BE THE CONTRACTOR'S RESPONSIBILITY AT HIS OWN EXPENSE.
30. ALL TRENCHES AND OPENINGS MADE IN THE ROADWAY SHALL BE BACKFILLED AND ADEQUATELY COMPACTED IN ACCORDANCE WITH METHOD I SPECIFIED IN ARTICLE 550.07 OF THE STATE STANDARD SPECIFICATIONS.
31. EXISTING DRAINAGE STRUCTURES, EXISTING STORM SEWERS AND EXISTING FLARED END SECTIONS TO REMAIN SHALL BE RECONNECTED WITH THE DRAINAGE SYSTEM. THIS WORK SHALL BE INCLUDED IN THE COST OF DRAINAGE STRUCTURES OR STORM SEWERS, OF THE TYPE AND SIZE SPECIFIED.
32. ALL VEHICLES INCLUDING PASSENGER CARS, WHETHER OWNED BY THE CONTRACTOR OR ANYONE REPRESENTING HIM, SHALL BE EQUIPPED WITH A YELLOW FLASHING LIGHT MOUNTED EITHER ON TOP OR IN THE REAR WINDOW OF THE VEHICLE AND VISIBLE FOR AT LEAST 500 FEET TO THE REAR OF THE VEHICLE, AND A SIGN MUST BE DISPLAYED ON EACH SIDE OF THE VEHICLE AND WITH LETTERS AT LEAST 3 INCHES IN HEIGHT AND WITH A SUITABLE STROKE, SHOWING THE COMPANY NAME AND ADDRESS. MAGNETIC OR TEMPORARY SIGNS ARE ACCEPTABLE.
33. TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS ON IDOT ROADS, THE ENGINEER SHALL CONTACT AREA TRAFFIC FIELD TECHNICIAN AT 847-705-4153.
34. DISTRIBUTORS: ALL DISTRIBUTORS FOR HOT-MIX OR WARM-MIX ASPHALT PAVING OPERATIONS SHALL BE EQUIPPED WITH SHIELDS TO PREVENT DAMAGE TO MOTORISTS' VEHICLES AND TO ADJACENT HIGHWAY APPURTENANCES.
35. FLOURESCENT VEST AND HARD HATS: ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR ANSI CLASS II FLOURESCENT ORANGE, FLOURESCENT YELLOW/GREEN OR A COMBINATION OF FLOURESCENT ORANGE AND FLOURESCENT YELLOW/GREEN VESTS AND HARD HATS AT ALL TIMES WHILE ON THE CONSTRUCTION SITE.
36. AT THE TIME OF THE PRECONSTRUCTION CONFERENCE, THE CONTRACTOR SHALL SUBMIT FOR APPROVAL, THE PROPOSED CONCRETE TRUCK WASH OUT LOCATIONS. RUNOFF FROM WASH AREAS SHALL BE CONTAINED IN THE DESIGNATED AREAS SO THAT RUNOFF DOES NOT REACH THE STORM SEWER OR DITCH SYSTEMS.
37. POLLUTION CONTROL: THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL FEDERAL AND STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. HE WILL NOT BE ALLOWED TO BUILD FIRES IN THE SITE.

38. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP AN OFFICE OR YARD ON TOLLWAY OR IDOT PROPERTY WITHOUT WRITTEN APPROVAL FROM THE CHIEF ENGINEER OF THE TOLLWAY.
39. DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ADJACENT TRAVEL LANES FROM DEBRIS BLOWN OR OTHERWISE REMOVED FROM THE CONSTRUCTION AREAS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR KEEPING DEBRIS OFF THE TRAVELED LANE SURFACES. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.
40. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING HIS CONSTRUCTION OPERATIONS WITH CONSTRUCTION AND MAINTENANCE OPERATIONS, INCLUDING UTILITY RELOCATIONS AND ADJUSTMENTS, OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF THE PROJECTS, AND OTHER CONTRACTORS WORKING ADJACENT TO THE PROJECT.
41. THE CONTRACTOR'S OPERATIONS AND TEMPORARY STORAGE ACTIVITIES SHALL BE LIMITED TO THE WORK AREA AND/OR CONSTRUCTION LIMITS. ANY ADDITIONAL STAGING AREAS ADJACENT TO THE PROJECT ARE SUBJECT TO THE APPROVAL BY THE APPROPRIATE AGENCY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR COMPLIANCE WITH THE ABOVE REQUIREMENTS.
42. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS AND WRITTEN AUTHORIZATION FROM ALL GOVERNING AGENCIES FOR CONSTRUCTION ABOVE, ADJACENT TO AND ON ROADWAYS UNDER THEIR JURISDICTION.
43. FULL DEPTH SAW CUTS WILL BE REQUIRED FOR ALL REMOVAL ITEMS. SAW CUTTING WILL BE INCIDENTAL TO THE APPROPRIATE PAY ITEM.
44. THE CONTRACTOR'S PERSONNEL AND EQUIPMENT SHALL ONLY BE PERMITTED TO ENTER AND LEAVE THE TOLL HIGHWAY OR OTHER HIGHWAYS VIA EXISTING RAMPS, AND SHALL BE REQUIRED TO MOVE IN THE DIRECTION OF PUBLIC TRAFFIC. ALL MOVEMENTS ON OR ACROSS THE PUBLICLY TRAVELED RIGHT-OF-WAY SHALL BE CONTROLLED BY THE CONTRACTOR SO AS NOT TO ENDANGER PUBLIC TRAFFIC.
45. AT ANY TIME WHEN, IN THE JUDGEMENT OF THE ENGINEER, THE CONTRACTOR HAS OBSTRUCTED OR CLOSED A ROAD OR IS CARRYING ON OPERATIONS CAUSING GREATER INTERFERENCE OR INCONVENIENCE THAN NECESSARY FOR THE PROPER PROSECUTION OF THE WORK, THE ENGINEER MAY REQUIRE THE CONTRACTOR TO FINISH THE SECTION OF THE WORK WHICH IS IN PROGRESS BEFORE WORK IS STARTED ON ANY ADDITIONAL SECTION AND, IN ADDITION THERETO, MAY REQUIRE THE CONTRACTOR TO TAKE ANY OTHER ACTIONS WHICH WILL MINIMIZE INCONVENIENCE TO VEHICULAR AND PEDESTRIAN TRAFFIC.
46. UPON COMPLETION OF THE WORK AND BEFORE ACCEPTANCE AND FINAL PAYMENT WILL BE MADE, THE AGENCY RIGHT-OF-WAY, STREAM CHANNELS AND BANKS WITHIN SAID RIGHT-OF-WAY OR AFFECTED BY THE WORK AT DRAINAGE STRUCTURES, BORROW PITS, OTHER STRUCTURES, AND ALL AREAS OCCUPIED BY THE CONTRACTOR IN CONNECTION WITH THE WORK SHALL BE CLEANED OF ALL RUBBISH, EXCESS MATERIALS, FALSE WORK, TEMPORARY PAVING, TEMPORARY STRUCTURES, AND EQUIPMENT. ALL PARTS OF THE WORK SHALL BE LEFT IN NEAT AND PRESENTABLE CONDITION IN ACCORDANCE WITH THIS REQUIREMENT.
47. FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB & GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLANS.
48. AGGREGATE SUBGRADE IMPROVEMENT 12" SHALL CONSIST OF A COMBINATION OF A 9" THICK POROUS GRANULAR EMBANKMENT WITH A 3" (MINIMUM) CA-6 AGGREGATE CAP. IN SHOULDER AND GORE AREAS, THE DEPTH OF THE AGGREGATE CAP WILL VARY. THE ADDITIONAL THICKNESS OF THE CAPPING LAYER SHALL BE INCLUDED IN THE COST OF AGGREGATE SUBGRADE IMPROVEMENT 12", AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

TRAFFIC DATA:

	ADT (2030)	DESIGN SPEED	POSTED SPEED
RAMP B	9,320	45 MPH	45 MPH
RAMP C	10,450	45 MPH	40 MPH
RAMP F1	9,230	40 MPH	40 MPH
RAMP F2	9,230	40 MPH	40 MPH
RAMP D	8,210	35 MPH	35 MPH
RAMP L	7,500	40 /30 MPH	40 /30 MPH
C-D ROAD C	27,890	45 MPH	45 MPH
I-57 (SOUTHBOUND)	44,880	60 MPH	55 MPH
I-57 (NORTHBOUND)	47,130	60 MPH	55 MPH
I-294 (SOUTHBOUND)	54,160	60 MPH	55 MPH
I-294 (NORTHBOUND)	65,310	60 MPH	55 MPH

JURISDICTIONS

IDOT: INTERSTATE 57, C-D ROAD C (TO STA. 3247+26.52 AT RAMP C; TO STA. 3905+58.11 AT RAMP D), RAMP C (FROM STA 3247+26.72 AT C-D ROAD C TO STA. 3288+39.73 AT SB I-294), RAMP F2
TOLLWAY: INTERSTATE 294, RAMP C (AT MERGE TO SB I-294/ SOUTH OF STA. 3288+39.73), RAMP D (WEST OF STA. 3905+58.11), RAMP B, RAMP L
POSEN: 150TH STREET, NORTH OF 150TH STREET AND NORTHWEST OF I-57
MARKHAM: SOUTH OF 150TH STREET AND WEST OF I-294

MUNICIPALITY

VILLAGE OF POSEN
CITY OF MARKHAM
CITY OF HARVEY

CONTACT INFORMATION

(708)385-0139 VILLAGE ENGINEER
(708)331-4905 PUBLIC WORKS SUPERINTENDENT
(708)210-5340 PUBLIC WORKS DIRECTOR

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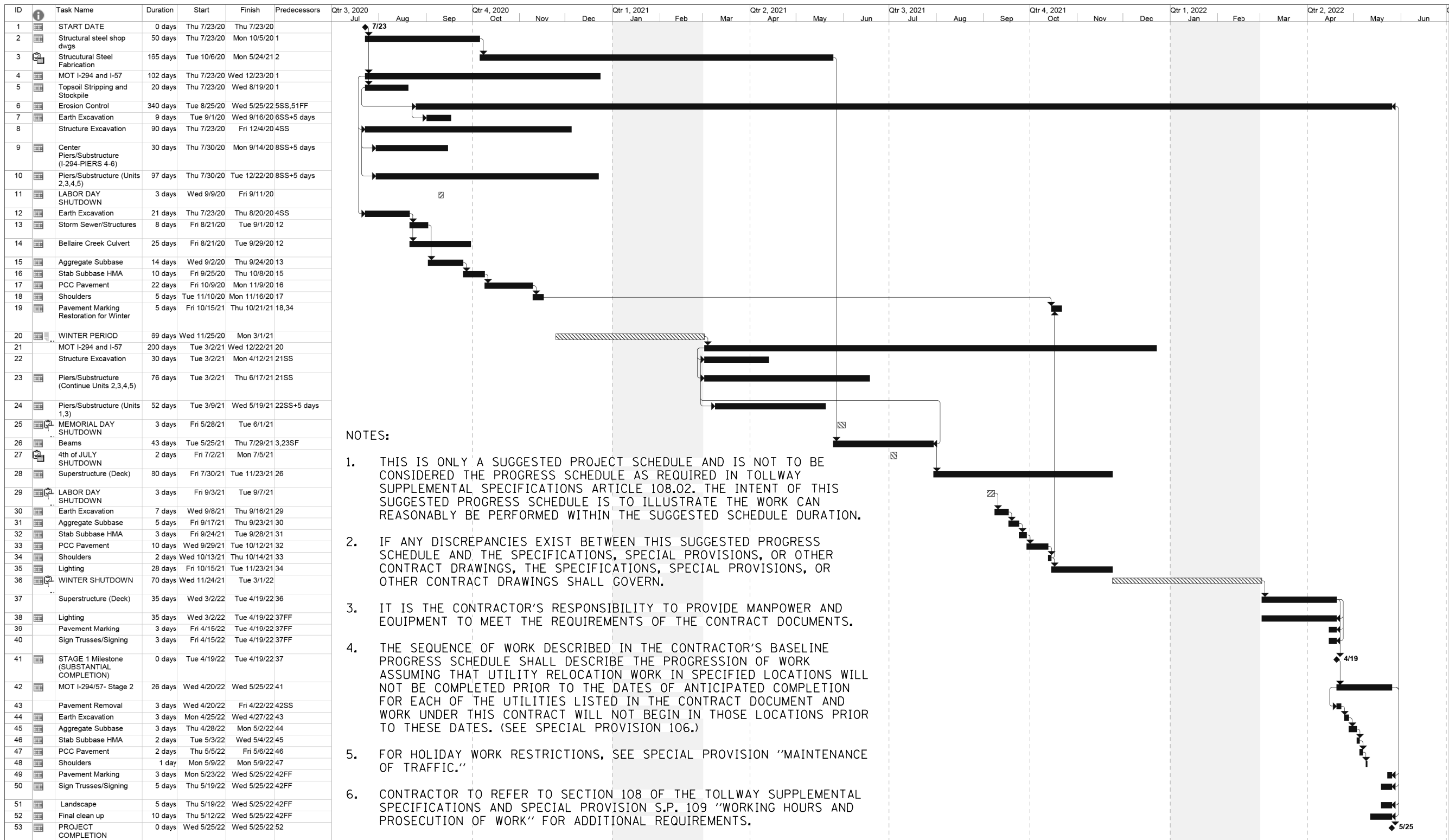


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
GENERAL NOTES

SHEET G-004
4 OF 606



NOTES:

1. THIS IS ONLY A SUGGESTED PROJECT SCHEDULE AND IS NOT TO BE CONSIDERED THE PROGRESS SCHEDULE AS REQUIRED IN TOLLWAY SUPPLEMENTAL SPECIFICATIONS ARTICLE 108.02. THE INTENT OF THIS SUGGESTED PROGRESS SCHEDULE IS TO ILLUSTRATE THE WORK CAN REASONABLY BE PERFORMED WITHIN THE SUGGESTED SCHEDULE DURATION.
2. IF ANY DISCREPANCIES EXIST BETWEEN THIS SUGGESTED PROGRESS SCHEDULE AND THE SPECIFICATIONS, SPECIAL PROVISIONS, OR OTHER CONTRACT DRAWINGS, THE SPECIFICATIONS, SPECIAL PROVISIONS, OR OTHER CONTRACT DRAWINGS SHALL GOVERN.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE MANPOWER AND EQUIPMENT TO MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
4. THE SEQUENCE OF WORK DESCRIBED IN THE CONTRACTOR'S BASELINE PROGRESS SCHEDULE SHALL DESCRIBE THE PROGRESSION OF WORK ASSUMING THAT UTILITY RELOCATION WORK IN SPECIFIED LOCATIONS WILL NOT BE COMPLETED PRIOR TO THE DATES OF ANTICIPATED COMPLETION FOR EACH OF THE UTILITIES LISTED IN THE CONTRACT DOCUMENT AND WORK UNDER THIS CONTRACT WILL NOT BEGIN IN THOSE LOCATIONS PRIOR TO THESE DATES. (SEE SPECIAL PROVISION 106.)
5. FOR HOLIDAY WORK RESTRICTIONS, SEE SPECIAL PROVISION "MAINTENANCE OF TRAFFIC."
6. CONTRACTOR TO REFER TO SECTION 108 OF THE TOLLWAY SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISION S.P. 109 "WORKING HOURS AND PROSECUTION OF WORK" FOR ADDITIONAL REQUIREMENTS.

Ramp C and Ramp F2 Ramp C Bridge over I-294 and I-57, R Date: Thu 3/5/20	Task Split Milestone	Summary Project Summary External Tasks	External Milestone Inactive Milestone Inactive Summary	Manual Task Duration-only Manual Summary Rollup	Manual Summary Start-only Finish-only	External Tasks External Milestone Progress	Deadline
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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 PROGRESS SCHEDULE

SP	PAY ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RECORD QUANTITY
*	20200100	EARTH EXCAVATION	CU YD	5406	
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	150	
*	20400800	FURNISHED EXCAVATION	CU YD	19178	
	20800150	TRENCH BACKFILL	CU YD	77	
BDE	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	11413	
	25000210	SEEDING, CLASS 2A	ACRE	1.50	
	25000312	SEEDING, CLASS 4A	ACRE	0.25	
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	270	
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	810	
	25000775	SELECTIVE MOWING STAKES	EACH	309	
	25100630	EROSION CONTROL BLANKET	SQ YD	75804	
	25100900	TURF REINFORCEMENT MAT	SQ YD	305	
	25200200	SUPPLEMENTAL WATERING	UNIT	2105	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2334	
	28100105	STONE RIPRAP CLASS A3	SQ YD	115	
	28100107	STONE RIPRAP, CLASS A4	SQ YD	524	
BDE	28200200	FILTER FABRIC	SQ YD	734	
D1	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	648	
D1	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	11413	
	31200502	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"	SQ YD	6031	
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	2853	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2853	
*	42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	324	
*/D1	42000521	PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)	SQ YD	4973	
	42001300	PROTECTIVE COAT	SQ YD	13097	
*	42100340	CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 12"	SQ YD	3303	
*	42100615	PAVEMENT REINFORCEMENT	SQ YD	3303	
	44000100	PAVEMENT REMOVAL	SQ YD	3665	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	430	
	44004250	PAVED SHOULDER REMOVAL	SQ YD	5522	
	48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	509	

SP	PAY ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RECORD QUANTITY
	48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	709	
	48203049	HOT-MIX ASPHALT SHOULDERS, 13"	SQ YD	1268	
*/D1	48300600	PORTLAND CEMENT CONCRETE SHOULDERS 11"	SQ YD	3680	
	50102400	CONCRETE REMOVAL	CU YD	22.6	
	50104400	CONCRETE HEADWALL REMOVAL	EACH	9	
	50105220	PIPE CULVERT REMOVAL	FOOT	61	
	50157300	PROTECTIVE SHIELD	SQ YD	4325	
	50200100	STRUCTURE EXCAVATION	CU YD	5118	
	50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	421	
	50201101	COFFERDAM (TYPE 1) (LOCATION-1)	EACH	1	
	50201102	COFFERDAM (TYPE 1) (LOCATION-2)	EACH	1	
	50201103	COFFERDAM (TYPE 1) (LOCATION-3)	EACH	1	
	50300100	FLOOR DRAINS	EACH	37	
	50300225	CONCRETE STRUCTURES	CU YD	4986.5	
BDE	50300255	CONCRETE SUPERSTRUCTURE	CU YD	5058.2	
	50300280	CONCRETE ENCASEMENT	CU YD	18.1	
	50300300	PROTECTIVE COAT	SQ YD	19270	
BDE	50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	282.1	
	50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	
	50500505	STUD SHEAR CONNECTORS	EACH	63101	
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2425700	
	51201800	FURNISHING STEEL PILES HP 14X73	FOOT	22404	
	51201900	FURNISHING STEEL PILES HP 14x89	FOOT	608	
	51202305	DRIVING PILES	FOOT	23012	
	51203800	TEST PILE STEEL HP 14X73	EACH	25	
	51203900	TEST PILE STEEL HP 14x89	EACH	2	
	51204650	PILE SHOES	EACH	729	
	51500100	NAME PLATES	EACH	3	
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	161	
BDE	52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	25	
BDE	52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	6	

SP LEGEND
 * INDICATES SPECIAL PROVISION
 ** INDICATES TOLLWAY SUPPLEMENTAL SPECIFICATION
 *** INDICATES IDOT RECURRING/SUPPLEMENTAL SPECIAL PROVISIONS
 BDE INDICATES IDOT BDE SPECIAL PROVISIONS
 GBSP INDICATES IDOT GUIDE BRIDGE SPECIAL PROVISIONS
 D1 INDICATES IDOT DISTRICT 1 SPECIAL PROVISIONS
 TSC INDICATES IDOT TRAFFIC SYSTEMS CENTER SPECIAL PROVISIONS

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 SUMMARY OF QUANTITIES

SHEET G-006
 6 OF 606

SP	PAY ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RECORD QUANTITY
	52100510	ANCHOR BOLTS, 3/4"	EACH	26	
	52100520	ANCHOR BOLTS, 1"	EACH	560	
	52100530	ANCHOR BOLTS, 1 1/4"	EACH	128	
	52200010	TEMPORARY SHEET PILING	SQ FT	5364	
	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1229	
	52200500	MECHANICALLY STABILIZED EARTH RETAINING WALL	SO FT	8140	
	54003000	CONCRETE BOX CULVERT	CU YD	35.6	
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	24	
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	94	
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	72	
	550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	38	
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	100	
	55100700	STORM SEWER REMOVAL 15"	FOOT	68	
	55100900	STORM SEWER REMOVAL 18"	FOOT	58	
	55200400	STORM SEWERS JACKED IN PLACE, 15"	FOOT	80	
	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	124	
	58700300	CONCRETE SEALER	SQ FT	14179	
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	90	
*	59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	3.5	
	60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	15	
BDE	60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	399	
BDE	60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	3698	
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	5	
	60208210	CATCH BASINS, TYPE C, TYPE 20 FRAME AND GRATE	EACH	1	
BDE	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	
D1	60250200	CATCH BASINS TO BE ADJUSTED	EACH	2	
*	60255410	CATCH BASINS TO BE CLEANED	EACH	1	
D1/*	60255500	MANHOLES TO BE ADJUSTED	EACH	3	
	60270000	DRAINAGE STRUCTURES, TYPE 4 WITH ONE TYPE 20 FRAME AND GRATE	EACH	1	
	60270005	DRAINAGE STRUCTURES, TYPE 5 WITH ONE TYPE 22 FRAME AND GRATE	EACH	2	

SP	PAY ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RECORD QUANTITY
	60500050	REMOVING CATCH BASINS	EACH	1	
	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	942	
BDE	63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	2150	
BDE	63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	37.5	
BDE	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	
BDE	63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	4	
BDE	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	
BDE	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	
	63200310	GUARDRAIL REMOVAL	FOOT	3513	
*	63700380	CONCRETE BARRIER, VARIABLE CROSS SECTION 44 INCH HEIGHT	FOOT	524	
	63700805	CONCRETE BARRIER TRANSITION	FOOT	60	
	64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	2566	
	64300260	IMPACT ATTENUATOR (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	1	
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	3	
*	66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	DAYS	30	
	70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	1440	
BDE	70300100	SHORT TERM PAVEMENT MARKING	FOOT	900	
BDE	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	300	
BDE	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	16825	
BDE	70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	51839	
BDE	70300905	PAVEMENT MARKING TAPE, TYPE IV 5"	FOOT	4900	
BDE	70300908	PAVEMENT MARKING TAPE, TYPE IV 8"	FOOT	1550	
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	3825	
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	3537.5	
	70400600	RELOCATE TEMPORARY CONCRETE BARRIER, STATE OWNED	FOOT	875	
	70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6	
	70600280	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3	EACH	6	
	70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	5	
	70600370	IMPACT ATTENUATORS, RELOCATE (SEVERE USE, NARROW), TEST LEVEL 3	EACH	2	
D1	72000100	SIGN PANEL - TYPE 1	SQ FT	55	
D1	72000200	SIGN PANEL - TYPE 2	SQ FT	56	

SP LEGEND
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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 SUMMARY OF QUANTITIES

SHEET G-007
 7 OF 606

SP	PAY ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RECORD QUANTITY
D1	72000300	SIGN PANEL - TYPE 3	SQ FT	4535	
	72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	1985	
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	5	
	72400730	RELOCATE SIGN PANEL - TYPE 3	SQ FT	530	
	72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	7904	
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	100	
	73000100	WOOD SIGN SUPPORT	FOOT	143	
	73300100	OVERHEAD SIGN STRUCTURE - SPAN, TYPE I-A (4'-0" X 4'-6")	FOOT	60	
	73300200	OVERHEAD SIGN STRUCTURE - SPAN, TYPE II-A (4'-6" X 5'-3")	FOOT	68	
D1	73304000	OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	FOOT	47	
	73400100	CONCRETE FOUNDATIONS	CU YD	14.3	
	73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	25.8	
	73600200	REMOVE OVERHEAD SIGN STRUCTURE - CANTILEVER	EACH	1	
	73602000	REMOVE OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	EACH	2	
	73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	6	
	73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	6	
	73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	1	
	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9657	
	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	462	
BDE	78004355	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - INLAID - LINE 5"	FOOT	2648	
	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	17670	
	78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	8649	
	78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	732	
	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	135	
	78100300	REPLACEMENT REFLECTOR	EACH	215	
	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	31	
	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	1003	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	215	
D1	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1400	
D1	81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	110	
D1	81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	185	

SP	PAY ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RECORD QUANTITY
	81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	3595	
	81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	12	
TSC	81400200	HEAVY-DUTY HANDHOLE	EACH	3	
D1	81603070	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	480	
D1	81603081	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	775	
D1	81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	3845	
D1	81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	11535	
	81800150	AERIAL CABLE, 3-1/C NO. 3/0 WITH MESSENGER WIRE	FOOT	90	
	81800190	AERIAL CABLE, 2-1/C NO. 2 WITH MESSENGER WIRE	FOOT	220	
	81800400	AERIAL CABLE, 4-1/C NO. 2 WITH MESSENGER WIRE	FOOT	1210	
D1	82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	66	
D1	82110016	LUMINAIRE, LED, HIGHMAST, OUTPUT DESIGNATION I	EACH	170	
D1	82110027	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E	EACH	8	
	82500320	LIGHTING CONTROLLER, POLE MOUNTED, 480VOLT, 60AMP	EACH	1	
	83050760	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 8 FT. MAST ARM	EACH	12	
	83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	5	
	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	47.5	
	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	5	
	84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	49	
	87800200	CONCRETE FOUNDATION, TYPE D	FOOT	6	
	87900200	DRILL EXISTING HANDHOLE	EACH	1	
	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	9460	
*	89502380	REMOVE EXISTING HANDHOLE	EACH	2	
*	X0321750	REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED	FOOT	1455	
*	X0322247	MAINTENANCE OF EXISTING TRAFFIC SURVEILLANCE	L SUM	1	
TSC	X0322441	DIGITAL LOOP DETECTOR SENSOR UNIT (4 CHANNEL)	EACH	2	
TSC	X0323914	FIBER OPTIC CABLE SPLICE - LATERAL	EACH	1	
*	X0324181	DISCONNECT SIGN LIGHTING AND REMOVE WIRING TO NEAREST SPLICE	EACH	1	
*	X0325201	SHOULDER RUMBLE STRIP REMOVAL	SQ YD	650	
*	X0325349	TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)	FOOT	350	
*	X0326382	CONCRETE BARRIER BASE (SPECIAL)	FOOT	584	

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SHEET G-008
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SP	PAY ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RECORD QUANTITY
*	X0327393	WOOD POLE, 100 FT, CLASS 2	EACH	1	
BDE	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	20070	
*	X0327999	ANTI-GRAFFITI COATING	SQ FT	2916	
GBSP	X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	24	
*	X1400190	REMOVAL OF HIGH MAST LUMINAIRES, SALVAGE	EACH	170	
*	X2501700	SEEDING, CLASS 3 (MODIFIED)	ACRE	0.50	
*	X2501820	SEEDING, CLASS 5 (MODIFIED)	ACRE	0.75	
*	X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	0.75	
BDE	X2700012	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 8"	FOOT	2661	
*	X4400198	CONCRETE BARRIER REMOVAL (SPECIAL)	FOOT	527	
GBSP	X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	8054	
GBSP	X5210090	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 100K	EACH	12	
GBSP	X5210110	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 200K	EACH	37	
GBSP	X5210120	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 250K	EACH	12	
GBSP	X5210140	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 350K	EACH	7	
GBSP	X5210150	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 400K	EACH	23	
GBSP	X5210160	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 450K	EACH	17	
GBSP	X5210190	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 600K	EACH	6	
GBSP	X5210200	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 650K	EACH	6	
GBSP	X5210310	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 200K	EACH	12	
GBSP	X5210330	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 400K	EACH	8	
GBSP	X5210335	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 450K	EACH	9	
GBSP	X5210340	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 500K	EACH	6	
GBSP	X520350	HIGH LOAD MULTI-ROTATIONAL BEARINGS, FIXED - 600K	EACH	6	
GBSP	X520730	HIGH LOAD MULTI-ROTATIONAL BEARINGS, NON-GUIDED EXPANSION - 50K	EACH	1	
*	X6430110	REMOVE IMPACT ATTENUATORS, SALVAGE	EACH	2	
*	X6640300	CHAIN LINK FENCE REMOVAL	FOOT	194	
D1	X7011015	TRAFFIC CONTROL AND PROTECTION, (EXPRESSWAYS)	L SUM	1	
D1	X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	360	
BDE	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	16270	
*	X7035104	TEMPORARY EPOXY PAVEMENT MARKING - LINE 4"	FOOT	10400	

SP	PAY ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RECORD QUANTITY
*	X7035105	TEMPORARY EPOXY PAVEMENT MARKING - LINE 5"	FOOT	1000	
*	X7035108	TEMPORARY EPOXY PAVEMENT MARKING - LINE 8"	FOOT	400	
*	X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	25	
BDE	X7830072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	2648	
BDE	X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	2661	
*	X8100105	CONDUIT SPLICE	EACH	4	
*	X8420113	REMOVAL OF UNDERPASS LIGHTING UNIT, SALVAGE	EACH	8	
TSC	X8710027	FIBER OPTIC CABLE 4 FIBERS, SINGLE MODE	FOOT	470	
TSC	X8730246	ELECTRIC CABLE IN CONDUIT, NO. 19 25 PAIR	FOOT	470	
TSC	X8730312	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	FOOT	2515	
TSC	X8850102	INDUCTION LOOP	FOOT	156	
TSC	X8850109	PREFORMED INDUCTION LOOP	FOOT	191	
*	X8950077	REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER	EACH	1	
*	X8950224	RELOCATE CONTROLLER CABINET	EACH	1	
*	Z0005305	BOX CULVERTS TO BE CLEANED	FOOT	503	
*	Z0010600	CLEANING DRAINAGE SYSTEM	FOOT	73	
*	Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	15	
*	Z0018010	DRAINAGE SCUPPERS, DS-33	EACH	7	
*	Z0018400	DRAINAGE STRUCTURE TO BE ADJUSTED	EACH	2	
*	Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	1	
GBSP	Z0018800	DRAINAGE SYSTEM	LSUM	1	
GBSP	Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	15080	
D1	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	128	
D1	Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	66	
D1	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	24	
GBSP	Z0034806	MODULAR EXPANSION JOINT-SWIVEL 6"	FOOT	91	
GBSP	Z0034812	MODULAR EXPANSION JOINT - SWIVEL 12"	FOOT	124	
GBSP	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	90	
*	J1211110	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	12605	
*	J1211124	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1098	
*	J1213004	EXPLORATION TRENCH, UTILITIES (HAND EXCAVATION)	FOOT	100	

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SP	PAY ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RECORD QUANTITY
*	J1213006	EXPLORATION TRENCH, UTILITIES (VACUUM EXCAVATION)	FOOT	100	
*	J1282010	SUBGRADE FILTER FABRIC	SQ YD	8088	
*	J1312022	STABILIZED SUBBASE - WMA, 3"	SQ YD	3681	
*	J1406107	ASPHALT - TACK COAT	POUND	3900	
*	J1481040	AGGREGATE SHOULDERS, TYPE B	TON	196	
*	J1481070	AGGREGATE SHOULDERS SPECIAL, TYPE C	TON	256	
*	J1482104	WARM-MIX ASPHALT SHOULDERS (6 IN.)	SQ YD	824	
*	J1482112	WARM-MIX ASPHALT SHOULDERS (9 IN.)	SQ YD	3571	
*	J1601300	PIPE UNDERAINS 6" (SPECIAL)	FOOT	415	
*	J1601320	PIPE UNDERAINS, FABRIC LINED TRENCH 6"	FOOT	2284	
*	J1602100	OUTLET CONTROL STRUCTURE TYPE 1 (CHECK DAM)	EACH	3	
*	J1602740	DRAINAGE STRUCTURES, TYPE 4 WITH TWO TYPE 20A FRAMES AND GRATES	EACH	1	
*	J1606050	CONCRETE GUTTER (SPECIAL)	FOOT	36	
*	J1630002	GALVANIZED STEEL PLATE BEAM GUARDRAIL,TYPE A, 6 FOOT POSTS	FOOT	37.5	
*	J1630004	GALVANIZED STEEL PLATE BEAM GUARDRAIL,TYPE A, 9 FOOT POSTS	FOOT	1200	
*	J1631110	TRAFFIC BARRIER TERMINAL, TYPE T1 (SPECIAL) TANGENT	EACH	1	
*	J1631112	TRAFFIC BARRIER TERMINAL, TYPE T1-A (SPECIAL)	EACH	1	
*	J1631120	TRAFFIC BARRIER TERMINAL, TYPE T2	EACH	2	
*	J1631135	TRAFFIC BARRIER TERMINAL, TYPE T6B	EACH	3	
*	J1631140	TRAFFIC BARRIER TERMINAL, TYPE T10	EACH	2	
*	J1637003	CONCRETE BARRIER, DOUBLE FACE, 42 INCH	FOOT	9	
*	J1637014	CONCRETE BARRIER, DOUBLE FACE, VARIABLE HEIGHT	FOOT	145	
*	J1637050	CONCRETE BARRIER BASE, 5'	FOOT	9	
*	J1637052	CONCRETE BARRIER BASE, 7'	FOOT	74	
*	J1637056	CONCRETE BARRIER BASE, VARIABLE HEIGHT, 7'	FOOT	145	
*	J1664305	RIGHT-OF-WAY FENCE, TYPE 1, 6'	FOOT	30	
*	J1664310	CORNER POST, RIGHT-OF-WAY FENCE, TYPE 1	EACH	2	
*	J1680122	SLOPED HEADWALLS, TYPE III, 15", 1:3	EACH	2	
*	J1680123	SLOPED HEADWALLS, TYPE III, 18", 1:3	EACH	1	
*	J1680125	SLOPED HEADWALLS, TYPE III, 24", 1:3	EACH	1	
*	J1680220	DOUBLE SLOPED HEADWALLS, TYPE III, 2-6", 1:3	EACH	4	

SP	PAY ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RECORD QUANTITY
*	J1680221	DOUBLE SLOPED HEADWALLS, TYPE III, 2-6", 1:4	EACH	5	
*	J1704000	TEMPORARY CONCRETE BARRIER	FOOT	7262.5	
*	J1704005	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1325	
*	J1725000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	
*	J1781010	RAISED PAVEMENT LANE MARKER REFLECTOR	EACH	20	
*	J1782012	GUARDRAIL BARRIER DELINEATOR, REFLECTOR MARKER TYPE B	EACH	13	
*	J1782020	CONCRETE BARRIER DELINEATOR, REFLECTOR MARKER TYPE C	EACH	82	
**	JS120100	TRAILER MOUNTED FULL MATRIX PORTABLE CHANGEABLE MESSAGE SIGNS	EACH	2	
**	JS120710	ENERGY ATTENUATOR	EACH	1	
**	JS120715	ENERGY ATTENUATOR CONCRETE PAD	SQ FT	120	
**	JS120807	PVC DRAIN PIPE 4"	FOOT	2	
**	JS120809	PVC DRAIN PIPE 8"	FOOT	4	
**	JS121102	DRILL AND INSTALL EXPANSION ANCHORS, DOWEL BARS AND ANCHOR RODS	EACH	26	
**	JS250220	SEEDING, CLASS 2E	ACRE	1.75	
**	JS250305	SEEDING, CLASS 3E	ACRE	1.00	
**	JS250314	SEEDING, CLASS 4B	ACRE	3.25	
**	JS250318	SEEDING, CLASS 4F	ACRE	2.00	
**	JS250320	SEEDING, CLASS 5	ACRE	3.00	
**	JS250324	SEEDING, CLASS 5B	ACRE	3.75	
**	JS280020	MANAGEMENT OF EROSION AND SEDIMENT CONTROL	CAL. MO.	24	
**	JS280030	EROSION AND SEDIMENT CONTROL - EXCAVATION	CU YD	83	
**	JS280040	EROSION AND SEDIMENT CONTROL-CLEANOUT	CU YD	42	
**	JS280050	SILT FENCE	FOOT	6600	
**	JS280051	RE-ERECT SILT FENCE	FOOT	1322	
**	JS280070	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	1175	
**	JS280100	SUPER SILT FENCE	FOOT	2781	
**	JS280140	TEMPORARY RIPRAP	TON	213	
**	JS280150	TEMPORARY STABILIZATION WITH STRAW MULCH	ACRE	8.00	
**	JS280151	SAME-DAY STABILIZATION	SQ YD	22492	
**	JS280180	RECTANGULAR INLET PROTECTION	EACH	5	
**	JS280210	FILTER FABRIC INLET PROTECTION, BASKET TYPE	EACH	28	

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SP	PAY ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RECORD QUANTITY
**	JS280305	TEMPORARY DITCH CHECKS	FOOT	468	
**	JS670C00	FIELD OFFICE, TYPE C	CAL MO	24	
**	JS671020	MOBILIZATION, TOLLWAY (MODIFIED)	L SUM	1	
*	JS701010	MAINTENANCE OF TRAFFIC	L SUM	1	
**	JS733B35	OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE (STEEL) (35 FT)	FOOT	35	
**	JS734B10	FOUNDATION FOR OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE	CU YD	63	
**	JS810100	UNDERGROUND CONDUIT, PVC COATED GALVANIZED STEEL, 4" DIA.	FOOT	84	
**	JS810837	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	125	
**	JS810839	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	106	
**	JS810875	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	530	
**	JS810879	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	195	
**	JS812023	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	750	
**	JS812027	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	180	
**	JS814001	HANDHOLE, TOLLWAY	EACH	1	
**	JS816072	UNIT DUCT, WITH 2-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	2023	
**	JS816076	UNIT DUCT, WITH 4-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	1150	
**	JS817210	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE-USE) 1/C NO.12	FOOT	785	
**	JS817214	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	1435	
**	JS817215	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	5740	
**	JS817218	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 3/0	FOOT	405	
**	JS817219	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4/0	FOOT	396	
**	JS821001	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	8	
**	JS821003	TEMPORARY LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2	
**	JS821100	LUMINAIRE, LED, HORIZONTAL MOUNT	EACH	4	
**	JS828002	LIGHTING CONTROLLER FOUNDATION, TYPE B	EACH	1	
**	JS830003	GROUND MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 15 FT. MAST ARM	EACH	6	
**	JS830030	TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	5	
**	JS830034	TEMPORARY WOOD POLE, 70 FT., CLASS 3, 15 FT. MAST ARM	EACH	2	
**	JS836001	LIGHT POLE FOUNDATION (ROADWAY) STEEL HELIX (7 FT) OR CONCRETE	EACH	6	
**	JS842085	REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE	EACH	2	
**	JS842105	POLE FOUNDATION, REMOVED	EACH	2	

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**	JS845013	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1	
**	JS846001	MAINTAIN LIGHTING SYSTEM	L SUM	1	
*	JT132727	CAMERA CONTROL CABLE	FOOT	590	
*	JT132810	ITS POLE MOUNTED ENCLOSURE, ITS ASSEMBLY (CCTV OR MVDS)	EACH	1	
*	JT132814	ITS DISCONNECT SWITCH ASSEMBLY	EACH	1	
*	JT132820	CCTV CAMERA, ITS ASSEMBLY (TOLLWAY)	EACH	1	
*	JT132830	FIBER OPTIC COMMUNICATIONS, ITS ASSEMBLY	EACH	1	
*	JT132845	MICROWAVE VEHICLE DETECTION SYSTEM (MVDS), ITS ASSEMBLY	EACH	1	
*	JT134000	MAINTAIN INTELLIGENT TRANSPORTATION SYSTEMS	L SUM	1	
*	JT134037	ITS ELEMENT SITE GROUNDING - POLE MOUNTED ASSEMBLY	EACH	1	
*	JT135006	REMOVE MICROWAVE VEHICLE DETECTION ASSEMBLY	EACH	1	
*	JT135042	WEBCAM	EACH	1	
*	JT135096	ITS POLE AND BASE REMOVAL	EACH	1	
*	JT135097	REMOVE CCTV CAMERA, POLE MOUNTED	EACH	1	
*	JT154001	PAVEMENT PATCHING AND TRAFFIC CONTROL	UNIT	10000	
*	JT154004	SAWCUTTING AND REMOVAL OF EDGE DETERIORATION REPAIR	UNIT	10000	
*	JT154005	EMERGENCY PAVEMENT AND SHOULDER REPAIRS	UNIT	10000	
*	JT154006	TEMPORARY IMPACT ATTENUATOR REPLACEMENT/REPAIR	UNIT	10000	
*	JT154007	TEMPORARY CONCRETE BARRIER WALL REPLACEMENT/REALIGNMENT	UNIT	10000	
*	JT154008	UNFORESEEN ADDITIONAL MAINTENANCE OF TRAFFIC	UNIT	20000	
*	JT154032	CONTRACT ALLOWANCE FOR ADDITIONAL ITS WORK	UNIT	25000	
*	JT154045	CONTRACT ALLOWANCE FOR COLD WEATHER PAVEMENT MARKINGS	UNIT	20000	
*	JT154062	CONTRACT ALLOWANCE FOR MAINTAIN INTELLIGENT TRANSPORTATION SYSTEM REPAIR	UNIT	5000	
*	JT154067	CONTRACT ALLOWANCE FOR CONSTRUCTIONWORKS APPRENTICES	UNIT	100000	
*	JT154079	CONTRACT ALLOWANCE FOR ILLINOIS STATE POLICE SERVICES	UNIT	20000	
*	JT154150	ALLOWANCE FOR STEEL COSTS ADJUSTMENT	UNIT	65000	
*	JT154160	ALLOWANCE FOR FUEL COSTS ADJUSTMENT	UNIT	45000	
*	JT154161	ALLOWANCE FOR BITUMINOUS MATERIALS COSTS ADJUSTMENT	UNIT	25000	
*	JT155001	CONTRACTOR'S QUALITY PROGRAM	L SUM	1	
*	JT155100	COMMUNITY HIRING INCENTIVE	HOURS	80000	
*	JT160130	HANDHOLE FOR SINGLE MODE FIBER OPTIC CABLE, 36"X60"X36"	EACH	1	

SP LEGEND
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 ** INDICATES TOLLWAY SUPPLEMENTAL SPECIFICATION
 *** INDICATES IDOT RECURRING/SUPPLEMENTAL SPECIAL PROVISIONS
 BDE INDICATES IDOT BDE SPECIAL PROVISIONS

GBSP INDICATES IDOT GUIDE BRIDGE SPECIAL PROVISIONS
 DI INDICATES IDOT DISTRICT 1 SPECIAL PROVISIONS
 TSC INDICATES IDOT TRAFFIC SYSTEMS CENTER SPECIAL PROVISIONS

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 SCALE NONE

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 SUMMARY OF QUANTITIES

SHEET G-011
 11 OF 606

SP	PAY ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RECORD QUANTITY
*	JT160141	ARMORED SINGLE MODE FIBER OPTIC CABLE IN CONDUIT, 12F	FOOT	460	
*	JT160217	LOCATE POST FOR FIBER OPTIC CABLE	EACH	1	
*	JT160218	CABLE MARKER WARNING SIGN WITH POST FOR OPTIC FIBER CABLE	EACH	2	
*	JT160226	SINGLE MODE FIBER OPTIC CABLE REMOVAL, NO SALVAGE	FOOT	350	
*	JT160236	CONDUIT REMOVAL FOR SINGLE MODE FIBER OPTIC CABLE, COILABLE NONMETALLIC, NO SALVAGE	FOOT	350	
*	JT160340	FIBER OPTIC CONNECTION HARDWARE, TYPE 1	EACH	1	
*	JT202009	NON-SPECIAL WASTE DISPOSAL (TYPE 1)	CU YD	1720	
*	JT210001	POROUS GRANULAR BACKFILL	CU YD	32	
*	JT211A11	SUBGRADE AGGREGATE 12 IN.	CU YD	3457	
*	JT280500	SEDIMENT FILTER BAG	EACH	5	
*	JT280510	FLOC LOG	EACH	43	
*	JT280530	IN-LINE FLOCCULATION SYSTEM	EACH	3	
*	JT421510	SLEEPER SLAB	SQ YD	18	
*	JT570P51	PERFORMANCE BASED RETAINING WALL, LOCATION 1	L SUM	1	
*	JT637023	CONCRETE MEDIAN BARRIER TRANSITION, TYPE V-F	FOOT	74	
*	JT637050	CONCRETE BARRIER BASE, REINFORCED, FOR SINGLE FACE BARRIER, 42 INCH	FOOT	912	
*	JT637054	CONCRETE BARRIER BASE, REINFORCED, FOR SINGLE FACE BARRIER, 44 INCH	FOOT	138	
*	JT637056	CONCRETE BARRIER BASE, SINGLE FACE BARRIER, L-SHAPE, 44 INCH	FOOT	183	
*	JT637100	CONCRETE BARRIER , SINGLE FACE, REINFORCED, 42 INCH	FOOT	912	
*	JT637110	CONCRETE BARRIER , SINGLE FACE, REINFORCED, 44 INCH	FOOT	138	
*	JT637115	CONCRETE BARRIER, SINGLE FACE, REINFORCED, L-SHAPE, 44 INCH	FOOT	183	
*	JT669030	EARTHWORK CONSTRUCTION PLAN	L SUM	1	
*	JT669040	EARTHWORK FINAL CONSTRUCTION REPORT	L SUM	1	
*	JT701030	SUPPLEMENTAL BARRICADE	EACH/DAY	350	
*	JT701031	SUPPLEMENTAL SIGNING	SQ FT	300	
*	JT701032	SUPPLEMENTAL FLASHING ARROW BOARD (PER DAY)	EACH/DAY	30	
*	JT701033	SUPPLEMENTAL FLASHING ARROW BOARD (PER WEEK)	EACH/WEEK	12	
*	JT701034	SUPPLEMENTAL FLASHING ARROW BOARD (PER MONTH)	EACH/MONTH	6	
*	JT701035	SUPPLEMENTAL MAINTENANCE OF TRAFFIC	DAY	60	
*	JT701052	TEMPORARY INFORMATION SIGNING-GROUND MOUNT, GREATER THAN 24 SQ FT IN AREA	SQ FT	50	
*	JT701200	PORTABLE CHANGEABLE MESSAGE SIGN	CAL DAY	60	

SP	PAY ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	RECORD QUANTITY
*	JT701210	PORTABLE CHANGEABLE MESSAGE SIGN	WEEK	12	
*	JT701220	PORTABLE CHANGEABLE MESSAGE SIGN	CAL MO	6	
*	JT720110	SIGN INSTALLATION, TYPE 2	SQ FT	16	
*	JT720120	SIGN INSTALLATION, TYPE 3	SQ FT	740	
*	JT780300	MULTI-POLYMER PAVEMENT MARKING - LINE 4"	FOOT	9647	
*	JT780310	MULTI-POLYMER PAVEMENT MARKING - LINE 6"	FOOT	6293	
*	JT780320	MULTI-POLYMER PAVEMENT MARKING - LINE 10"	FOOT	5699	
*	JT780325	MULTI-POLYMER PAVEMENT MARKING - LINE 12"	FOOT	917	
*	JT780340	MULTI-POLYMER PAVEMENT MARKING LETTERS (8FT)	SQ FT	102	
*	JT780355	MULTI-POLYMER PAVEMENT MARKING - SYMBOLS (LARGE)	SQ FT	111	
*	JT780JA1	GROOVING FOR RECESSED PAVEMENT MARKING LINES, 5" GROOVE	FOOT	9647	
*	JT780JC1	GROOVING FOR RECESSED PAVEMENT MARKING LINES, 7" GROOVE	FOOT	6293	
*	JT780JE1	GROOVING FOR RECESSED PAVEMENT MARKING LINES, 11" GROOVE	FOOT	5699	
*	JT810876	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 2" DIA	FOOT	810	
*	JT810881	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 6" DIA	FOOT	50	
*	JT821010	REMOVE EXISTING LUMINAIRE, POLE MOUNTED	EACH	2	
*	JT825110	UPGRADE EXISTING LIGHTING CONTROLLER	EACH	1	
*	JT783009	RAISED PAVEMENT LANE MARKER, REFLECTOR REMOVAL	EACH	235	
*	JT830051	GROUND MOUNTED LIGHT POLE, GALVANIZED STEEL, 50 FT., WITHOUT MAST ARM	EACH	1	
*	JT836020	ITS ELEMENT POLE FOUNDATION STEEL HELIX (12 FT.)	EACH	1	
*	JT836029	ITS CONCRETE SERVICE PAD, TYPE C	EACH	1	
*	JT900518	EMBANKMENT MODIFICATION	SQ YD	2500	
*	JT900580	CHEMICALLY STABILIZED SUBGRADE, 9"	SQ YD	8092	

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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 SUMMARY OF QUANTITIES

SHEET G-012
 12 OF 606

EARTHWORK SCHEDULE OF QUANTITIES

ALIGNMENT	LOCATION (STATION)	LENGTH	EARTHWORK VOLUMES (CY)														EW BALANCE [EXCESS(+)/ SHORTAGE (-)]	
			TOPSOIL STRIPPING		CUT		ROCK EXCAVATION		UNSUITABLE MATERIAL		ADJ. FOR SHRINKAGE (5%)		FILL		TOPSOIL PLACEMENT		E-F	
			A		B		C		D		E		F		G			
			STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2
I-57 (C TAKEOFF)	1265+41																	
I-57 (C TAKEOFF)	1266+00	58.6	98.7	0.0	0.0	24.0	0.0	0.0	0.0	0.0	0.0	22.8	2477.4	0.0	0.0	20.6	-2477.4	22.8
I-57 (C TAKEOFF)	1267+00	100.0	48.0	0.0	0.0	131.3	0.0	0.0	0.0	0.0	0.0	124.7	922.3	0.0	0.0	35.1	-922.3	124.7
I-57 (C TAKEOFF)	1268+00	100.0	0.0	0.0	0.0	170.5	0.0	0.0	0.0	0.0	0.0	161.9	0.0	0.0	0.0	35.1	0.0	161.9
I-57 (C TAKEOFF)	1269+00	100.0	0.0	0.0	0.0	193.2	0.0	0.0	0.0	0.0	0.0	183.6	0.0	0.0	0.0	35.1	0.0	183.6
I-57 (C TAKEOFF)	1270+00	100.0	0.0	0.0	0.0	258.3	0.0	0.0	0.0	0.0	0.0	245.4	0.0	0.0	0.0	35.1	0.0	245.4
I-57 (C TAKEOFF)	1271+00	0.0	0.0	0.0	0.0	309.4	0.0	0.0	0.0	0.0	0.0	293.9	0.0	0.0	0.0	35.1	0.0	293.9
I-57 (C TAKEOFF)	1272+00	100.0	0.0	0.0	0.0	370.6	0.0	0.0	0.0	0.0	0.0	352.1	0.0	0.0	0.0	35.1	0.0	352.1
I-57 (C TAKEOFF)	1273+00	100.0	0.0	0.0	0.0	425.6	0.0	0.0	0.0	0.0	0.0	404.4	0.0	0.0	0.0	35.1	0.0	404.4
I-57 (C TAKEOFF)	1274+00	100.0	0.0	0.0	0.0	291.4	0.0	0.0	0.0	0.0	0.0	276.8	0.0	0.0	0.0	35.1	0.0	276.8
I-57 (C TAKEOFF)	1275+00	100.0	0.0	0.0	0.0	184.9	0.0	0.0	0.0	0.0	0.0	175.7	0.0	0.0	0.0	35.1	0.0	175.7
I-57 (C TAKEOFF)	1275+43	43.4	0.0	0.0	0.0	123.6	0.0	0.0	0.0	0.0	0.0	117.5	0.0	0.0	0.0	15.2	0.0	117.5
RAMP C BRIDGE	3248+35																	
RAMP C BRIDGE	3250+00	165.0	515.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	515.1	0.0	0.0	0.0
RAMP C BRIDGE	3251+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3252+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3253+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3254+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3255+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3256+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3257+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3258+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3259+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3260+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3261+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3262+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3263+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3264+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3265+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3266+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3267+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3268+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3269+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3270+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3271+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3272+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3273+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3274+00	100.0	312.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	312.2	0.0	0.0	0.0
RAMP C BRIDGE	3274+90	90.0	281.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	281.0	0.0	0.0	0.0

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SCHEDULE OF QUANTITIES

SHEET G-014

14 OF 606

EARTHWORK SCHEDULE OF QUANTITIES

ALIGNMENT	LOCATION (STATION)	LENGTH	EARTHWORK VOLUMES (CY)														EW BALANCE [EXCESS(+)/ SHORTAGE (-)]	
			TOPSOIL STRIPPING		CUT		ROCK EXCAVATION		UNSUITABLE MATERIAL		ADJ. FOR SHRINKAGE (5%)		FILL		TOPSOIL PLACEMENT		E-F	
			A		B		C		D		E		F		G			
			STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2
RAMP C	3274+90																	
RAMP C	3276+00	110.0	49.8	0.0	48.3	0.0	0.0	0.0	0.0	0.0	45.9	0.0	2373.7	0.0	73.4	0.0	-2327.9	0.0
RAMP C	3277+00	100.0	26.9	0.0	25.1	0.0	0.0	0.0	0.0	0.0	23.9	0.0	1180.8	0.0	66.8	0.0	-1156.9	0.0
RAMP C	3278+00	100.0	8.0	0.0	15.6	0.0	0.0	0.0	0.0	0.0	14.8	0.0	423.1	0.0	66.8	0.0	-408.3	0.0
RAMP C	3279+00	100.0	33.7	0.0	43.7	0.0	0.0	0.0	0.0	0.0	41.5	0.0	80.3	0.0	66.8	0.0	-38.8	0.0
RAMP C	3279+63	63.0	26.1	0.0	10.6	0.0	0.0	0.0	0.0	0.0	10.1	0.0	148.9	0.0	42.1	0.0	-138.8	0.0
RAMP C	3281+48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RAMP C	3282+00	52.0	85.1	0.0	12.5	0.0	0.0	0.0	0.0	0.0	11.9	0.0	254.6	0.0	34.7	0.0	-242.8	0.0
RAMP C	3283+00	100.0	543.1	0.0	17.8	0.0	0.0	0.0	0.0	0.0	16.9	0.0	428.2	0.0	66.8	0.0	-411.4	0.0
RAMP C	3284+00	100.0	328.1	0.0	13.4	0.0	0.0	0.0	0.0	0.0	12.8	0.0	468.7	0.0	66.8	0.0	-455.9	0.0
RAMP C	3285+00	100.0	9.6	0.0	17.1	0.0	0.0	0.0	0.0	0.0	16.3	0.0	261.0	0.0	66.8	0.0	-244.7	0.0
RAMP C	3286+00	100.0	39.9	0.0	14.5	0.0	0.0	0.0	0.0	0.0	13.8	0.0	206.8	0.0	66.8	0.0	-193.0	0.0
RAMP C	3287+00	100.0	40.0	0.0	35.7	0.0	0.0	0.0	0.0	0.0	34.0	0.0	160.3	0.0	66.8	0.0	-126.3	0.0
RAMP C	3288+00	100.0	30.7	0.0	39.6	0.0	0.0	0.0	0.0	0.0	37.6	0.0	150.0	0.0	66.8	0.0	-112.4	0.0
RAMP C	3289+00	100.0	16.8	0.0	45.2	0.0	0.0	0.0	0.0	0.0	42.9	0.0	111.4	0.0	66.8	0.0	-68.5	0.0
RAMP C	3290+00	100.0	24.5	0.0	46.9	0.0	0.0	0.0	0.0	0.0	44.6	0.0	57.9	0.0	66.8	0.0	-13.3	0.0
RAMP C	3291+25	125.0	146.3	0.0	93.8	0.0	0.0	0.0	0.0	0.0	89.1	0.0	386.5	0.0	83.4	0.0	-297.5	0.0
I-294 (RAMP C)	365+00																	
I-294 (RAMP C)	366+00	100.0	276.0	0.0	153.8	0.0	0.0	0.0	0.0	0.0	146.1	0.0	226.2	0.0	63.0	0.0	-80.1	0.0
I-294 (RAMP C)	367+00	100.0	276.0	0.0	256.3	0.0	0.0	0.0	0.0	0.0	243.5	0.0	305.2	0.0	63.0	0.0	-61.7	0.0
I-294 (RAMP C)	368+00	100.0	276.0	0.0	235.2	0.0	0.0	0.0	0.0	0.0	223.4	0.0	330.6	0.0	63.0	0.0	-107.1	0.0
I-294 (RAMP C)	369+00	100.0	0.0	0.0	168.4	0.0	0.0	0.0	0.0	0.0	160.0	0.0	323.8	0.0	63.0	0.0	-163.8	0.0
I-294 (RAMP C)	370+00	100.0	0.0	0.0	135.7	0.0	0.0	0.0	0.0	0.0	129.0	0.0	282.5	0.0	63.0	0.0	-153.5	0.0
I-294 (RAMP C)	371+00	100.0	0.0	0.0	133.0	0.0	0.0	0.0	0.0	0.0	126.3	0.0	247.5	0.0	63.0	0.0	-121.2	0.0
I-294 (RAMP C)	372+00	100.0	0.0	0.0	99.7	0.0	0.0	0.0	0.0	0.0	94.7	0.0	239.6	0.0	63.0	0.0	-144.9	0.0
I-294 (RAMP C)	373+00	100.0	0.0	0.0	75.1	0.0	0.0	0.0	0.0	0.0	71.3	0.0	257.9	0.0	63.0	0.0	-186.5	0.0
I-294 (RAMP C)	374+00	100.0	0.0	0.0	61.9	0.0	0.0	0.0	0.0	0.0	58.8	0.0	247.5	0.0	63.0	0.0	-188.7	0.0
I-294 (RAMP C)	375+00	100.0	0.0	0.0	60.8	0.0	0.0	0.0	0.0	0.0	57.8	0.0	216.9	0.0	63.0	0.0	-159.2	0.0
I-294 (RAMP C)	376+00	100.0	0.0	0.0	61.0	0.0	0.0	0.0	0.0	0.0	58.0	0.0	237.2	0.0	63.0	0.0	-179.3	0.0
I-294 (RAMP C)	377+00	100.0	0.0	0.0	54.9	0.0	0.0	0.0	0.0	0.0	52.2	0.0	267.0	0.0	63.0	0.0	-214.9	0.0
I-294 (RAMP C)	378+00	100.0	0.0	0.0	52.4	0.0	0.0	0.0	0.0	0.0	49.8	0.0	217.1	0.0	63.0	0.0	-167.3	0.0
I-294 (RAMP C)	379+00	100.0	0.0	0.0	52.6	0.0	0.0	0.0	0.0	0.0	50.0	0.0	220.4	0.0	63.0	0.0	-170.4	0.0
I-294 (RAMP C)	380+00	100.0	0.0	0.0	60.2	0.0	0.0	0.0	0.0	0.0	57.2	0.0	276.3	0.0	63.0	0.0	-219.1	0.0
I-294 (RAMP C)	381+00	100.0	0.0	0.0	67.0	0.0	0.0	0.0	0.0	0.0	63.7	0.0	369.7	0.0	63.0	0.0	-306.0	0.0
I-294 (RAMP C)	382+00	100.0	0.0	0.0	53.9	0.0	0.0	0.0	0.0	0.0	51.2	0.0	387.9	0.0	63.0	0.0	-336.7	0.0
I-294 (RAMP C)	383+00	100.0	0.0	0.0	60.1	0.0	0.0	0.0	0.0	0.0	57.1	0.0	363.4	0.0	63.0	0.0	-306.3	0.0
I-294 (RAMP C)	384+00	100.0	0.0	0.0	87.4	0.0	0.0	0.0	0.0	0.0	83.0	0.0	333.2	0.0	63.0	0.0	-250.2	0.0
RAMP F2 BRIDGE	5006+00																	
RAMP F2 BRIDGE	5007+00	100.0	276.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	276.0	1.0	0.0	0.0
RAMP F2 BRIDGE	5008+00	100.0	276.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	276.0	2.0	0.0	0.0
RAMP F2 BRIDGE	5009+00	100.0	276.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	276.0	3.0	0.0	0.0

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SCALE NONE

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SCHEDULE OF QUANTITIES

SHEET G-05

15 OF 606

EARTHWORK SCHEDULE OF QUANTITIES

ALIGNMENT	LOCATION (STATION)	LENGTH	EARTHWORK VOLUMES (CY)														EW BALANCE [EXCESS(+)/SHORTAGE (-)]	
			TOPSOIL STRIPPING		CUT		ROCK EXCAVATION		UNSUITABLE MATERIAL		ADJ. FOR SHRINKAGE (5%)		FILL		TOPSOIL PLACEMENT		SHORTAGE (-)	
			A		B		C		D		E		F		G		E-F	
			STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2	STAGE 1	STAGE 2
RAMP F2	5009+00																	
RAMP F2	5010+00	100.0	360.1	0.0	50.4	0.0	0.0	0.0	0.0	0.0	47.9	0.0	3489.2	0.0	70.1	0.0	-3441.4	0.0
RAMP F2	5011+00	100.0	336.2	0.0	33.1	0.0	0.0	0.0	0.0	0.0	31.5	0.0	2464.8	0.0	70.1	0.0	-2433.3	0.0
RAMP F2	5012+00	100.0	107.0	0.0	25.6	0.0	0.0	0.0	0.0	0.0	24.3	0.0	1340.9	0.0	70.1	0.0	-1316.6	0.0
RAMP F2	5013+00	100.0	31.1	0.0	23.1	0.0	0.0	0.0	0.0	0.0	21.9	0.0	675.0	0.0	70.1	0.0	-653.1	0.0
RAMP F2	5014+00	100.0	29.2	0.0	27.6	0.0	0.0	0.0	0.0	0.0	26.3	0.0	247.4	0.0	70.1	0.0	-221.1	0.0
RAMP F2	5015+00	100.0	39.8	0.0	13.9	0.0	0.0	0.0	0.0	0.0	13.2	0.0	88.1	0.0	70.1	0.0	-74.9	0.0
RAMP F2	5016+00	100.0	32.2	0.0	25.9	0.0	0.0	0.0	0.0	0.0	24.6	0.0	72.6	0.0	70.1	0.0	-47.9	0.0
RAMP F2	5017+00	100.0	28.7	0.0	17.8	0.0	0.0	0.0	0.0	0.0	16.9	0.0	69.3	0.0	70.1	0.0	-52.4	0.0
RAMP F2	5018+00	100.0	14.4	0.0	13.4	0.0	0.0	0.0	0.0	0.0	12.8	0.0	73.2	0.0	70.1	0.0	-60.5	0.0
RAMP F2	5019+00	100.0	18.6	0.0	12.2	0.0	0.0	0.0	0.0	0.0	11.6	0.0	73.1	0.0	70.1	0.0	-61.5	0.0
RAMP F2	5020+00	100.0	25.5	0.0	28.9	0.0	0.0	0.0	0.0	0.0	27.4	0.0	71.1	0.0	70.1	0.0	-43.7	0.0
RAMP F2	5021+00	100.0	23.1	0.0	36.6	0.0	0.0	0.0	0.0	0.0	34.7	0.0	64.8	0.0	70.1	0.0	-30.1	0.0
RAMP F2	5022+00	100.0	17.4	0.0	43.1	0.0	0.0	0.0	0.0	0.0	40.9	0.0	53.1	0.0	70.1	0.0	-12.2	0.0
RAMP F2	5023+00	100.0	17.1	0.0	47.3	0.0	0.0	0.0	0.0	0.0	44.9	0.0	48.1	0.0	70.1	0.0	-3.2	0.0
RAMP F2	5024+50	150.0	23.5	0.0	113.9	0.0	0.0	0.0	0.0	0.0	108.2	0.0	40.2	0.0	105.2	0.0	68.0	0.0
TOTAL:			12,605	0	2,923	2,483	0	0	0	150*	2,776	2,359	24,313	0	12,369	358	-21,537	2,359

SCHEDULE NOTES:

1. STATION LIMITS, EXCAVATION QUANTITIES, UNSUITABLE QUANTITIES, AND EMBANKMENT QUANTITIES WERE TAKEN FROM CROSS SECTIONS.
2. THE EXISTING TOPSOIL QUANTITY WAS BASED ON A DEPTH OF 8 INCHES ALONG I-57.
3. EARTH EXCAVATION ADJUSTED FOR SHRINKAGE = EXCAVATION QUANTITY X (1-SHRINKAGE FACTOR (.05)).
4. EARTHWORK BALANCE = EARTHWORK TO BE REMOVED (WASTE (+)) OR EARTHWORK REQUIRED (SHORTAGE (-)); PAID FOR AS FURNISHED EXCAVATION (20400800).
5. ALL EXCAVATION PAY ITEMS HAVE BEEN ROUNDED UP TO THE NEAREST 5 CUBIC YARDS.

* SEE LANDSCAPING PLANS FOR LOCATION AND THICKNESS OF TOPOSOIL EXCAVATION AND PLACEMENT; IT IS ESTIMATED THAT SOME EXISTING TOPSOIL EXCAVATION WILL BE UNUSABLE DUE TO DEBRIS AND THE UNUSABLE QUANTITY WILL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. ALL EXISTING TOPSOIL IS DESIGNATED 'UNSUITABLE' ON CROSS SECTION AREAS. EXCESS EXISTING TOPSOIL SUITABLE FOR TOPSOIL PLACEMENT SHALL BE PLACED AS DIRECTED BY THE ENGINEER AND NOT DISPOSED OF OFF-SITE.

EARTHWORK BILL OF MATERIAL				
PAY ITEM NO.	DESIGNATION	STAGE 1	STAGE 2	TOTAL
J1211110	TOPSOIL EXCAVATION AND PLACEMENT	12369	236	12605
J1211124	TOPSOIL FURNISH AND PLACE, 4"		1098	1098
20200100	EARTH EXCAVATION	2923	2483	5406
20200200	ROCK EXCAVATION	0	0	0
20400800	FURNISHED EXCAVATION	21537	-2359	19178
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	0	150	150

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SCHEDULE OF QUANTITIES

PAVEMENT REMOVAL (44000100)

Table with 5 columns: ALIGNMENT, FROM STATION, TO STATION, AREA (SQ FT), AREA (44000100) (SQ YD)

CONCRETE BARRIER REMOVAL

Table with 6 columns: ALIGNMENT, FROM STATION, TO STATION, REM TEMP CONC BAR SO (X0321750) (FT), CONC BAR REM (SPECIAL) (X4400198) (FT)

RAISED REFLECTIVE PAVEMENT MARKERS

Table with 10 columns: LOCATION DESCRIPTION, ALIGNMENT, FROM STATION, TO STATION, DIRECTION, LINE TYPE, RAISD REF PM REFL REM (X7830050) & REPLACEMENT REFLECTOR (78100300) (EACH), RAISED REFL PAVT MKR (78100100) (EACH), RAISD PAVE LN MARK (JT783009) & RAISD PAVE LN MARKR REFL (JT781010) (EACH)

PAVED SHOULDER REMOVAL (44004250)

Table with 5 columns: ALIGNMENT, FROM STATION, TO STATION, AREA (SQ FT), AREA (44004250) (SQ YD)

PROPOSED BARRIER

Table with 14 columns: ALIGNMENT, LOCATION (FROM STATION, OFFSET, TO STATION, OFFSET), CONC BAR VX 44HT (63700380) (FOOT), CONC BAR TRANS (63700805) (FOOT), CONC BARRIER BASE SPL (X0326382) (FOOT), CONC BAR 2F 42HT (JI637003); CONC BARR BASE 5 (JI637050) (FOOT), CONC BAR 2F VAR HT (JI637014); CONC BARR BASE VAR HT 7 (JI637056) (FOOT), CONC MED BAR TRANS V-F (JT637023); CONC BARR BASE 7 (JI637052) (FOOT), CONC BAR 1F, REINF, 42HT (JT637100); CONC BAR BASE 1F, REINF, 42HT (JT637050) (FOOT), CONC BAR 1F, REINF, 44HT (JT637110); CONC BAR BASE 1F, REINF, 44HT (JT637054) (FOOT), CONC BAR 1F, L-SHAPE, 44HT (JT637115); CONC BAR BASE 1F, REINF, L-SHAPE, 44HT (JT637056) (FOOT)

GUARDRAIL REMOVAL (63200310)

Table with 6 columns: ALIGNMENT, FROM STATION, OFFSET, TO STATION, OFFSET, GUARDRAIL REMOVAL (63200310) (FOOT)

PROPOSED GUARDRAIL

Table with 18 columns: ALIGNMENT, LOCATION (FROM STATION, OFFSET, TO STATION, OFFSET), STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (63000003) (FOOT), LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN (6300350) (FOOT), TRAFFIC BARRIER TERMINAL, TYPE 2 (63100045) (EACH), TRAFFIC BARRIER TERMINAL, TYPE 5 (63100070) (EACH), TRAFFIC BARRIER TERMINAL, TYPE 6 (63100085) (EACH), TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT (63700167) (EACH), GALVANIZED STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS (JI630002) (FOOT), GALVANIZED STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (JI630004) (FOOT), TRAFFIC BARRIER TERMINAL, TYPE T1 (SPECIAL) (JI631112) (EACH), TRAFFIC BARRIER TERMINAL, TYPE T1A (SPECIAL) (JI631112) (EACH), TRAFFIC BARRIER TERMINAL, TYPE T2 (JI631120) (EACH), TRAFFIC BARRIER TERMINAL, TYPE T6B (JI631135) (EACH), TRAFFIC BARRIER TERMINAL, TYPE T10 (JI631140) (EACH), STABILIZATION (AGG SHOULDERS SPL C (JI481070) (TON), HMA SHOULDERS 6 (48203021) (SQ YD))

NOTE: NO NEW RAISED REFLECTIVE PAVEMENT MARKERS ARE TO BE PLACED ON BRIDGES. REPLACEMENT REFLECTORS ARE TO BE USED ON BRIDGES WHERE REFLECTOR ASSEMBLIES ARE ALREADY IN PLACE.

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TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515

Table with 3 columns: NO, DATE, REVISIONS DESCRIPTION

CONTRACT I-19-4495 I-57 AT 294 RAMPS C AND F2 SCHEDULE OF QUANTITIES

SHEET G-017 17 OF 606

PROPOSED PAVEMENT AND SHOULDER

DESCRIPTION	LOCATION				AGG SUBGRADE IMPR 12 (30300112) (SQ YD)	STAB SUBBASE HMA 4.5 (31200502) (SQ YD)	PVT CON PCC BR APP SL (4200080) (SQ YD)	PCC PVT 11 JOINTED (42000521) (SQ YD)	CONT REINF PCC PVT 12 (42100340); PAVT REINFORCEMENT (42100615) (SQ YD)	STAB SUBBASE WMA 3 (J1312022) (SQ YD)	SUBGRADE AGG 12 (JT211A11) (CU YD)	CHEM STAB SUBGRADE 9 (JT900580) (SQ YD)	AGGREGATE SHLDS B 6 (48101500) (SQ YD)	HMA SHOULDERS 13 (48203049) (SQ YD)	PCC SHOULDERS 11 (48300600) (SQ YD)	WMA SHOULDERS 6 (J1482104) (SQ YD)	WMA SHOULDERS 9 (J1482112) (SQ YD)	AGGREGATE SHLDS B (J1481040) (TON)
	FROM		TO															
	STATION	OFFSET	STATION	OFFSET														
RAMP F2 BR APPR PVMT	5009+14.4	0.00 RT	5009+29.5	0.00 RT	27	28	27											
RAMP F2 RT SHLDR	5009+54.2	0.00 RT	5026+54.2	0.00 RT	1443									1159				
RAMP F2 RAMP PVMT	5009+29.5	0.00 RT	5026+54.2	0.00 RT	2491	2855		2491										
RAMP F2 LT SHLDR	5009+24.4	16.0 LT	5014+10.2	16.0 LT	409									328				
RAMP C RT SHLDR	3247+26.5	12.00 RT	3247+89.6	12.00 RT	95									95				
RAMP C LT SHLDR	3247+26.5	12.0 LT	3247+67.8	12.0 LT	35									28				
RAMP C RAMP PVMT	3247+26.5	0.00 RT	3247+89.6	0.00 RT	169	186		169										
RAMP C BR APPR PVMT	3247+89.6	0.00 RT	3248+05.2	0.00 RT	68	68												
RAMP C BR APPR PVMT	3275+14.8	0.00 RT	3275+30.3	0.00 RT	65	56	67											
RAMP C RT SHLDR	3275+50.8	0.00 RT	3279+07.3	0.00 RT	367													
RAMP C RAMP PVMT	3275+30.3	0.00 RT	3279+07.3	0.00 RT	667	789		667						278				
RAMP C LT SHLDR	3276+10.8	16.0 LT	3279+07.3	16.0 LT	813									585				
RAMP C BR APPR PVMT	3279+07.3	0.00 RT	3279+51.0	23.5 LT	137	111	108											
RAMP C BR APPR	3281+73.1	15.50 RT	3281+99.7	0.00 RT	72	72	67											
RAMP C RT SHLDR	3281+99.7	0.00 RT	3288+39.7	0.00 RT	824									719				
RAMP C RAMP PVMT	3281+99.7	0.00 RT	3288+39.7	0.00 RT	1149	1313		1149										
RAMP C LT SHLDR	3285+00.0	16.0 LT	3285+89.2	16.0 LT	77													
I-57 MEDIAN	1246+59.2	LT	1247+39.2	LT	119								105					
I-57 MEDIAN	1246+59.2	RT	1247+39.2	RT	119								105					
RAMP C CD LT LANE	3238+31.7	0.00 RT	3242+00.0	0.00 RT	492	553		497										
RAMP C LT SHLDR	3238+31.7	12.0 LT	3243+00.0	12.0 LT	405									331				
RAMP C/D GORE	3905+58.1	16.0 LT	3906+28.1	16.0 LT										95				
I-57 SB SHOULDER	1265+81.9	56.0 LT	1275+16.8	67.5 LT	1291								1009					
I-57 MEDIAN (SB)	1371+10.6	15.0 LT	1371+89.2	15.0 LT	79								49					
I-294 - SB SHOULDER	364+63.3	77.0 LT	387+79.9	86.0 LT						1540	3079						2671	
I-294 - RAMP C AUX LN	364+92.9	64.0 LT	387+80.3	64.0 LT				3303	3681	1101	3303							
I-294 - RAMP C GORE	387+80.3	64.0 LT	390+88.2	64.0 LT						202	404						398	
I-294 - MEDIAN SB	409+77.9	0.00 RT	410+77.1	0.00 RT						95	162				131			
I-294 - MEDIAN NB	409+77.9	0.00 RT	410+77.1	0.00 RT						95	162				131			
I-294 - NB SHOULDER	410+44.6	71.83 RT	412+78.1	71.83 RT						64	128						214	
RAMP F2/M GORE	5014+10.2	16.0 LT	5017+03.7	16.0 LT						145	290						288	
RAMP L LT SHLDR	3821+70.7	24.0 LT	3823+94.8	24.0 LT						79	157				54			
RAMP B LT SHLDR	3044+93.6	12.0 LT	3049+83.0	12.0 LT						136	407				508			
I-294 MAINLINE SHLDR	390+34.0	LT	390+91.5	LT														9
I-294 AUX LANE SHLDR	369+14.2	LT	376+37.0	LT														108
RAMP B INFIELD	3047+10.2	LT	3048+18.8	LT														73
RAMP L SHLDR	3823+85.9	LT	3824+16.4	LT														6
RAMP F2 RT SHLDR	5013+79.4	6.0 RT	5023+49.5	2.0 RT														
RAMP F2 LT SHLDR	5011+89.6	22.0 LT	5014+10.2	22.0 LT														
RAMP C LT SHLDR	3238+57.5	18.0 LT	3243+33.9	18.0 LT														
RAMP C LT SHLDR	3285+00.0	22.0 LT	3285+89.2	22.0 LT														
I-57 SB SHOULDER	1265+81.9	68.0 LT	1270+61.2	68.0 LT														
TOTAL:					11413	6031	324	4973	3303	3681	3457	8092	509	1268	3680	824	3571	196

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 SCHEDULE OF QUANTITIES

SHEET G-018
 18 OF 606

P.O.T. STA 1130+00.00
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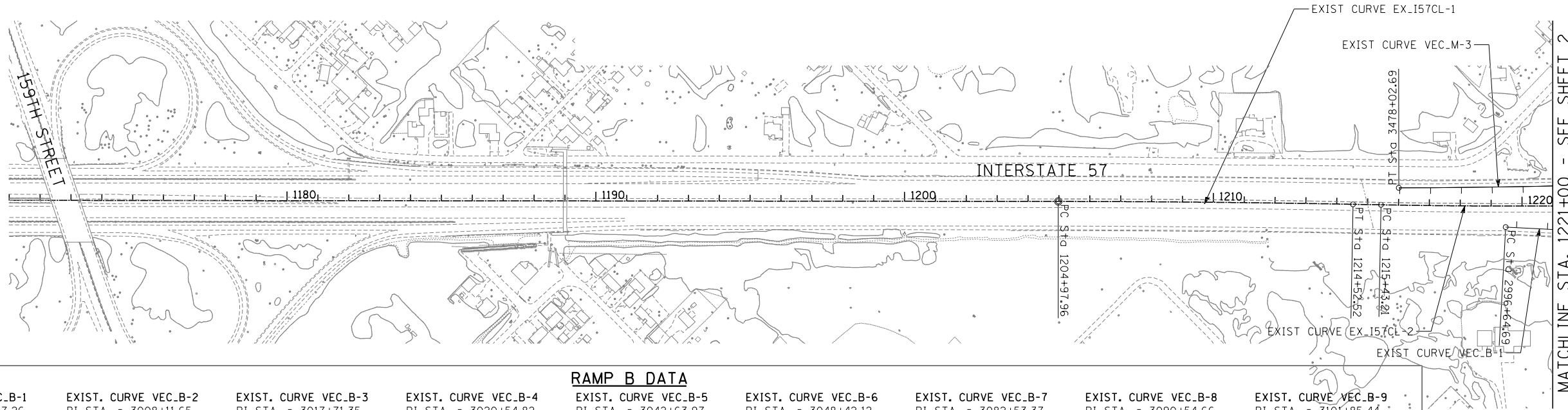
I-57 DATA

EXIST. CURVE EX_I57CL-1 PI STA. = 1209+75.25 N = 1,800,704.01 E = 1,157,539.88 Δ = 0° 59' 40" (RT) D = 0° 06' 15" R = 55,000.00' T = 477.29' L = 954.55' E = 2.07' DESIGN SPEED = 60 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 1204+97.96 N = 1,800,360.98 E = 1,157,208.01 P.T. STA. = 1214+52.52 N = 1,801,041.22 E = 1,157,877.66	EXIST. CURVE EX_I57CL-2 PI STA. = 1220+09.03 N = 1,801,434.41 E = 1,158,271.50 Δ = 2° 11' 15" (LT) D = 0° 14' 05" R = 24,400.00' T = 465.82' L = 931.53' E = 4.45' DESIGN SPEED = 60 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 1215+43.21 N = 1,801,105.30 E = 1,157,941.84 P.T. STA. = 1224+74.74 N = 1,801,775.86 E = 1,158,588.36	EXIST. CURVE EX_I57CL-3 PI STA. = 1231+16.87 N = 1,802,246.55 E = 1,159,025.14 Δ = 1° 08' 02" (RT) D = 0° 08' 00" R = 43,000.00' T = 425.52' L = 851.01' E = 2.11' DESIGN SPEED = 60 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 1226+91.34 N = 1,801,934.64 E = 1,158,735.69 P.T. STA. = 1235+42.36 N = 1,802,552.67 E = 1,159,320.70	EXIST. CURVE EX_I57CL-4 PI STA. = 1321+27.50 N = 1,808,728.92 E = 1,165,283.80 Δ = 4° 56' 28" (RT) D = 0° 19' 42" R = 17,450.00' T = 752.92' L = 1,504.90' E = 16.24' DESIGN SPEED = 60 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 1313+74.58 N = 1,808,187.26 E = 1,164,760.84 P.T. STA. = 1328+79.48 N = 1,809,223.52 E = 1,165,851.48	EXIST. CURVE EX_I57CLN-1 PI STA. = 1358+19.27 N = 1,811,154.70 E = 1,168,067.99 Δ = 50° 59' 53" (LT) D = 1° 59' 44" R = 2,871.08' T = 1,369.37' L = 2,555.50' E = 309.85' DESIGN SPEED = 60 MPH e = 4.0% T.R. = 106.6' S.E. RUN = 213.1' P.C. STA. = 1344+49.90 N = 1,810,255.14 E = 1,167,035.53 P.T. STA. = 1370+05.40 N = 1,812,523.18 E = 1,168,018.70
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P.O.T. STA 1395+83.26
 N = 1,815,099.37
 E = 1,167,925.92

CD ROAD A DATA

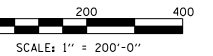
PROP. CURVE VEC_A-1 PI STA. = 3605+11.46 N = 1,802,336.67 E = 1,159,278.95 Δ = 0° 29' 43" (RT) D = 0° 08' 04" R = 42,653.58' T = 184.40' L = 368.79' E = 0.40' DESIGN SPEED = 45 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 3603+27.06 N = 1,802,202.64 E = 1,159,152.31 P.T. STA. = 3606+95.85 N = 1,802,469.59 E = 1,159,406.75	PROP. CURVE VEC_A-2 PI STA. = 3613+65.64 N = 1,802,952.43 E = 1,159,870.96 Δ = 3° 20' 13" (LT) D = 0° 42' 09" R = 8,155.00' T = 237.54' L = 474.96' E = 3.46' DESIGN SPEED = 45 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 3611+28.10 N = 1,802,781.19 E = 1,159,706.33 P.R.C. STA. = 3616+03.05 N = 1,803,132.96 E = 1,160,025.35	PROP. CURVE VEC_A-3 PI STA. = 3618+49.69 N = 1,803,320.40 E = 1,160,185.64 Δ = 3° 27' 28" (RT) D = 0° 42' 04" R = 8,171.00' T = 246.63' L = 493.11' E = 3.72' DESIGN SPEED = 45 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.R.C. STA. = 3616+03.05 N = 1,803,132.96 E = 1,160,025.35 P.T. STA. = 3620+96.17 N = 1,803,497.83 E = 1,160,356.95	P.O.T. STA 3667+48.40 N = 1,806,844.70 E = 1,163,588.32	P.O.T. STA 3678+08.50 N = 1,807,619.06 E = 1,164,312.33	P.O.T. STA 3680+08.57 N = 1,807,765.74 E = 1,164,448.38
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RAMP B DATA

EXIST. CURVE VEC_B-1 PI STA. = 2999+27.26 N = 1,801,524.53 E = 1,158,466.52 Δ = 1° 13' 50" (LT) D = 0° 14' 04" R = 24,448.70' T = 262.57' L = 525.11' E = 1.41' DESIGN SPEED = 50 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 2996+64.69 N = 1,801,345.76 E = 1,158,274.21 P.T. STA. = 3001+89.80 N = 1,801,707.39 E = 1,158,654.95	EXIST. CURVE VEC_B-2 PI STA. = 3008+11.65 N = 1,802,140.45 E = 1,159,101.21 Δ = 1° 08' 03" (RT) D = 0° 08' 04" R = 42,651.03' T = 422.19' L = 844.35' E = 2.09' DESIGN SPEED = 50 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 3003+89.46 N = 1,801,846.43 E = 1,158,798.23 P.T. STA. = 3012+33.81 N = 1,802,428.41 E = 1,159,409.95	EXIST. CURVE VEC_B-3 PI STA. = 3017+71.35 N = 1,802,795.06 E = 1,159,803.04 Δ = 10° 40' 17" (RT) D = 6° 45' 52" R = 847.00' T = 79.11' L = 157.75' E = 3.69' DESIGN SPEED = 45 MPH e = 5.9% ENTERING CURVE: T.R. = 66.6' S.E. RUN = 196.5' EXITING CURVE: T.R. = N/A S.E. RUN = N/A P.C. STA. = 3016+92.25 N = 1,802,831.03 E = 1,159,745.20 P.T. STA. = 3018+50.00 N = 1,802,837.37 E = 1,159,869.88	EXIST. CURVE VEC_B-4 PI STA. = 3020+54.82 N = 1,802,938.64 E = 1,160,043.89 Δ = 26° 57' 17" (RT) D = 6° 49' 30" R = 839.50' T = 201.20' L = 394.94' E = 23.77' DESIGN SPEED = 45 MPH e = 5.9% ENTERING CURVE: T.R. = N/A S.E. RUN = N/A EXITING CURVE: T.R. = N/A S.E. RUN = 196.5' P.C. STA. = 3018+53.62 N = 1,802,986.25 E = 1,159,873.90 P.T. STA. = 3022+48.57 N = 1,802,957.51 E = 1,160,244.20	EXIST. CURVE VEC_B-5 PI STA. = 3042+63.97 N = 1,803,146.46 E = 1,162,250.73 Δ = 127° 16' 04" (LT) D = 6° 45' 52" R = 847.00' T = 1,708.81' L = 1,881.39' E = 1,060.21' DESIGN SPEED = 45 MPH e = 5.9% ENTERING CURVE: T.R. = N/A S.E. RUN = 196.5' EXITING CURVE: T.R. = N/A S.E. RUN = 196.5' P.C. STA. = 3025+55.16 N = 1,804,596.06 E = 1,160,915.53 P.T. STA. = 3044+36.55 N = 1,804,403.35 E = 1,161,093.03	EXIST. CURVE VEC_B-6 PI STA. = 3048+42.12 N = 1,804,701.66 E = 1,160,818.26 Δ = 19° 14' 28" (RT) D = 6° 45' 52" R = 847.00' T = 143.57' L = 284.44' E = 12.08' DESIGN SPEED = 50 MPH e = 5.9% ENTERING CURVE: T.R. = N/A S.E. RUN = 216.0' EXITING CURVE: T.R. = 54.0' S.E. RUN = 216.0' P.C. STA. = 3046+98.55 N = 1,804,596.06 E = 1,160,915.53 P.T. STA. = 3049+82.99 N = 1,804,833.42 E = 1,160,761.22	EXIST. CURVE VEC_B-7 PI STA. = 3082+53.37 N = 1,807,834.68 E = 1,159,462.07 Δ = 3° 52' 00" (LT) D = 1° 55' 57" R = 2,964.65' T = 100.07' L = 200.07' E = 1.69' DESIGN SPEED = 60 MPH e = 4.5% ENTERING CURVE: T.R. = 59.9' S.E. RUN = 179.8' EXITING CURVE: T.R. = MATCH MAINLINE S.E. RUN = MATCH MAINLINE P.C. STA. = 3081+53.30 N = 1,807,742.84 E = 1,159,501.82 P.C.C. STA. = 3083+53.37 N = 1,807,923.63 E = 1,159,416.21	EXIST. CURVE VEC_B-8 PI STA. = 3090+54.66 N = 1,808,543.11 E = 1,159,087.49 Δ = 26° 41' 30" (LT) D = 1° 56' 18" R = 2,956.10' T = 701.29' L = 1,377.13' E = 82.05' DESIGN SPEED = 60 MPH e = 4.5% ENTERING CURVE: T.R. = MATCH MAINLINE S.E. RUN = MATCH MAINLINE EXITING CURVE: T.R. = MATCH MAINLINE S.E. RUN = MATCH MAINLINE P.C.C. STA. = 3083+53.37 N = 1,807,923.63 E = 1,159,416.21 P.C.C. STA. = 3097+30.49 N = 1,808,948.92 E = 1,158,515.54	EXIST. CURVE VEC_B-9 PI STA. = 3101+85.44 N = 1,809,209.27 E = 1,158,142.45 Δ = 17° 36' 05" (LT) D = 1° 56' 59" R = 2,938.57' T = 454.95' L = 902.73' E = 35.01' DESIGN SPEED = 60 MPH e = 4.5% ENTERING CURVE: T.R. = MATCH MAINLINE S.E. RUN = MATCH MAINLINE EXITING CURVE: T.R. = MATCH MAINLINE S.E. RUN = MATCH MAINLINE P.C.C. STA. = 3097+30.49 N = 1,808,948.92 E = 1,158,515.54 P.T. STA. = 3106+33.22 N = 1,809,344.62 E = 1,157,708.10
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NOTE:
 CONTRACT I-19-4495 USES THE FOLLOWING ALIGNMENTS:
 I-57, I-294, C-D ROAD C, RAMP F2, AND RAMP L. ALL OTHER
 ALIGNMENTS ARE SHOWN FOR INFORMATION ONLY.



P:\62560157-294-5-19\Road\95NEW_Ramps_C&F2_01000005-ATB-in-101.dwg 2/12/2020

DRAWN BY **BEC**
 CHECKED BY **MPG**

DATE **4-3-2020**
 SCALE **1:200**

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS	
NO.	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 ALIGNMENT PLANS
 SHEET 1 OF 5

SHEET **G-019**
19 OF **606**

KEDZIE AVE DATA

P.O.T. STA 511+56.00
 N = 1,800,422.75
 E = 1,158,909.52

PROP. CURVE PRKEDZI-1
 CHORD DEFINITION
 PI STA. = 518+20.32
 N = 1,801,086.99
 E = 1,158,899.70
 $\Delta = 36^\circ 02' 20''$ (LT)
 D = 3' 57' 57"
 R = 1,445.00'
 T = 470.05'
 L = 908.72'
 E = 74.53'
 DESIGN SPEED = 45 MPH
 $e = 5.0\%$
 T.R. = 67'
 S.E. RUN = 167'
 P.C. STA. = 513+50.27
 N = 1,800,616.99
 E = 1,158,906.65
 P.T. STA. = 522+58.99
 N = 1,801,462.96
 E = 1,158,617.57

RAMP F2 DATA

PROP. CURVE VEC.F2-1
 PI STA. = 5002+21.45
 N = 1,804,222.90
 E = 1,160,129.95
 $\Delta = 32^\circ 27' 56''$ (LT)
 D = 7' 31' 59"
 R = 760.60'
 T = 221.45'
 L = 430.98'
 E = 31.58'
 DESIGN SPEED = 45 MPH
 $e = 6.0\%$
 ENTERING CURVE:
 T.R. = N/A
 S.E. RUN = N/A
 EXITING CURVE:
 T.R. = 44.4'
 S.E. RUN = 177.6'
 P.C. STA. = 5000+00.00
 N = 1,804,349.65
 E = 1,160,311.54
 P.T. STA. = 5004+30.98
 N = 1,804,018.49
 E = 1,160,044.78

PROP. CURVE VEC.F2-2
 PI STA. = 5013+62.64
 N = 1,803,147.69
 E = 1,159,713.58
 $\Delta = 21^\circ 22' 30''$ (RT)
 D = 7' 29' 23"
 R = 765.00'
 T = 144.38'
 L = 285.39'
 E = 13.50'
 DESIGN SPEED = 40 MPH
 $e = 6.0\%$
 ENTERING CURVE:
 T.R. = N/A
 S.E. RUN = 123.8'
 EXITING CURVE:
 T.R. = N/A
 S.E. RUN = 123.8'
 P.C. STA. = 5012+18.26
 N = 1,803,282.63
 E = 1,159,764.90
 P.T. STA. = 5015+03.66
 N = 1,803,040.73
 E = 1,159,616.60

PROP. CURVE VEC.F2-3
 PI STA. = 5023+83.66
 N = 1,802,388.81
 E = 1,159,025.50
 $\Delta = 0^\circ 51' 13''$ (LT)
 D = 0' 07' 59"
 R = 43,034.07'
 T = 320.57'
 L = 641.12'
 E = 1.19'
 DESIGN SPEED = 45 MPH
 $e = N.C.$
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 5020+63.09
 N = 1,802,626.29
 E = 1,159,240.82
 P.T. STA. = 5027+04.22
 N = 1,802,148.15
 E = 1,158,813.73

RAMP D DATA

PROP. CURVE VEC.D-1
 PI STA. = 3910+90.22
 N = 1,804,578.84
 E = 1,160,940.18
 $\Delta = 105^\circ 27' 13''$ (RT)
 D = 13' 42' 26"
 R = 418.00'
 T = 549.24'
 L = 769.34'
 E = 272.21'
 DESIGN SPEED = 35 MPH
 $e = 6.0\%$
 ENTERING CURVE:
 T.R. = N/A
 S.E. RUN = 115.9'
 EXITING CURVE:
 T.R. = N/A
 S.E. RUN = 130.4'
 P.C. STA. = 3905+40.99
 N = 1,804,931.92
 E = 1,161,360.89
 P.T. STA. = 3913+10.32
 N = 1,805,078.41
 E = 1,160,711.96

RAMP L DATA

P.O.T. STA 3795+45.69
 N = 1,805,435.49
 E = 1,160,281.22

PROP. CURVE VEC.L-1
 PI STA. = 3818+51.51
 N = 1,803,319.41
 E = 1,161,197.21
 $\Delta = 90^\circ 00' 00''$ (RT)
 D = 11' 14' 04"
 R = 510.00'
 T = 510.00'
 L = 801.11'
 E = 211.25'
 DESIGN SPEED = 40 MPH
 $e = 8.0\%$
 ENTERING CURVE:
 T.R. = N/A
 S.E. RUN = 178.9'
 EXITING CURVE:
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 3813+41.51
 N = 1,803,787.44
 E = 1,160,994.61
 P.C.C. STA. = 3821+42.62
 N = 1,803,116.81
 E = 1,160,729.18
 P.T. STA. = 3828+34.65
 N = 1,803,521.74
 E = 1,160,438.63

RAMP H DATA

P.O.T. STA 4000+00.00
 N = 1,802,545.20
 E = 1,161,713.96

PROP. CURVE VEC.H-1
 PI STA. = 4008+84.26
 N = 1,803,373.22
 E = 1,161,403.64
 $\Delta = 19^\circ 36' 14''$ (RT)
 D = 6' 51' 42"
 R = 835.00'
 T = 144.26'
 L = 285.70'
 E = 12.37'
 DESIGN SPEED = 50 MPH
 $e = 6.0\%$
 ENTERING CURVE:
 T.R. = N/A
 S.E. RUN = 128.0'
 EXITING CURVE:
 T.R. = N/A
 S.E. RUN = 144.0'
 P.C. STA. = 4007+40.00
 N = 1,803,238.14
 E = 1,161,454.27
 P.T. STA. = 4010+25.70
 N = 1,803,517.46
 E = 1,161,401.28

PROP. CURVE VEC.H-2
 PI STA. = 4019+96.36
 N = 1,804,487.99
 E = 1,161,385.35
 $\Delta = 43^\circ 47' 19''$ (RT)
 D = 11' 14' 04"
 R = 510.00'
 T = 204.96'
 L = 389.77'
 E = 39.64'
 DESIGN SPEED = 40 MPH
 $e = 6.0\%$
 ENTERING CURVE:
 T.R. = N/A
 S.E. RUN = 110.1'
 P.C. STA. = 4017+91.40
 N = 1,804,283.06
 E = 1,161,388.71
 P.T. STA. = 4021+81.17
 N = 1,804,638.25
 E = 1,161,524.74

P.O.T. STA 4027+81.12
 N = 1,805,078.12
 E = 1,161,932.74

NOTE:
 CONTRACT I-19-4495 USES THE FOLLOWING ALIGNMENTS:
 I-57, I-294, C-D ROAD C, RAMP F2, AND RAMP L. ALL OTHER
 ALIGNMENTS ARE SHOWN FOR INFORMATION ONLY.

- ① I-57 STA 1223+07.74 = KEDZIE STA 524+07.04
- ② I-57 STA 1258+48.81 = I-294 STA 406+43.64

DRAWN BY **BEC**
 CHECKED BY **MPG**
 DATE **4-3-2020**
 SCALE **1:200**

TYLIN INTERNATIONAL



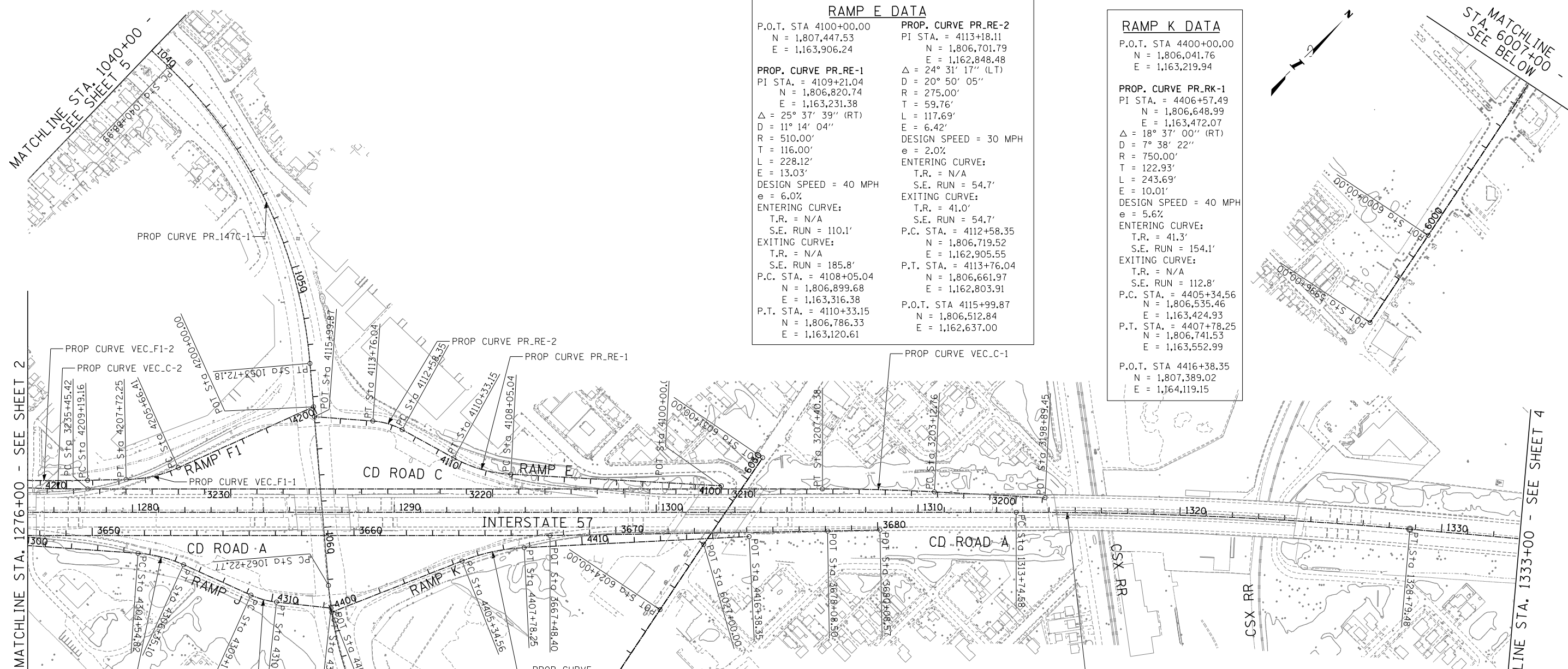
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2
 ALIGNMENT PLANS
 SHEET 2 OF 5

SHEET **G-020**
20 OF **606**

P:\62540157-294-5-19\Roads\PS\NEW_Ramps_C&F2_01000005-ATB-in-102.dgn
 2/12/2020



RAMP E DATA

P.O.T. STA 4100+00.00 N = 1,807,447.53 E = 1,163,906.24	PROP. CURVE PR_RE-2 PI STA. = 4113+18.11 N = 1,806,701.79 E = 1,162,848.48 Δ = 24° 31' 17" (LT) D = 20° 50' 05" R = 275.00' T = 59.76' L = 117.69' E = 6.42' DESIGN SPEED = 30 MPH e = 2.0%
ENTERING CURVE: T.R. = N/A S.E. RUN = 110.1'	EXITING CURVE: T.R. = N/A S.E. RUN = 54.7'
EXITING CURVE: T.R. = N/A S.E. RUN = 185.8'	P.C. STA. = 4112+58.35 N = 1,806,719.52 E = 1,162,905.55 P.T. STA. = 4113+76.04 N = 1,806,661.97 E = 1,162,803.91
P.C. STA. = 4109+21.04 N = 1,806,820.74 E = 1,163,231.38 Δ = 25° 37' 39" (RT) D = 11° 14' 04" R = 510.00' T = 116.00' L = 228.12' E = 13.03' DESIGN SPEED = 40 MPH e = 6.0%	ENTERING CURVE: T.R. = N/A S.E. RUN = 54.7'
ENTERING CURVE: T.R. = N/A S.E. RUN = 110.1'	EXITING CURVE: T.R. = N/A S.E. RUN = 54.7'
P.T. STA. = 4110+33.15 N = 1,806,786.33 E = 1,163,120.61	P.O.T. STA 4115+99.87 N = 1,806,512.84 E = 1,162,637.00

RAMP K DATA

P.O.T. STA 4400+00.00 N = 1,806,041.76 E = 1,163,219.94	PROP. CURVE PR_RK-1 PI STA. = 4406+57.49 N = 1,806,648.99 E = 1,163,472.07 Δ = 18° 37' 00" (RT) D = 7° 38' 22" R = 750.00' T = 122.93' L = 243.69' E = 10.01' DESIGN SPEED = 40 MPH e = 5.6%
ENTERING CURVE: T.R. = N/A S.E. RUN = 154.1'	EXITING CURVE: T.R. = N/A S.E. RUN = 112.8'
P.C. STA. = 4405+34.56 N = 1,806,535.46 E = 1,163,424.93	P.T. STA. = 4407+78.25 N = 1,806,741.53 E = 1,163,552.99
P.O.T. STA 4416+38.35 N = 1,807,389.02 E = 1,164,119.15	

RAMP J DATA

P.O.T. STA 4300+00.00 N = 1,805,361.56 E = 1,162,206.41	PROP. CURVE PR_RJ-2 PI STA. = 4309+68.51 N = 1,805,884.21 E = 1,163,006.33 Δ = 17° 54' 28" (LT) D = 17° 37' 46" R = 325.00' T = 51.21' L = 101.58' E = 4.01' DESIGN SPEED = 30 MPH e = 2.0%
ENTERING CURVE: T.R. = N/A S.E. RUN = 54.7'	EXITING CURVE: T.R. = 41.0' S.E. RUN = 54.7'
EXITING CURVE: T.R. = N/A S.E. RUN = 185.8'	P.C. STA. = 4304+54.82 N = 1,805,665.93 E = 1,162,544.38
P.C. STA. = 4304+54.82 N = 1,805,665.93 E = 1,162,544.38	P.T. STA. = 4310+18.88 N = 1,805,916.89 E = 1,163,045.75
P.T. STA. = 4306+35.10 N = 1,805,760.65 E = 1,162,696.66	P.O.T. STA 4312+28.68 N = 1,806,050.80 E = 1,163,207.26

147TH ST DATA

P.O.T. STA 1000+00.00 N = 1,806,888.10 E = 1,157,202.32	PROP. CURVE PR_147C-2 PI STA. = 1067+43.69 N = 1,805,774.62 E = 1,163,541.46 Δ = 39° 31' 20" (LT) D = 3° 57' 08" R = 1,450.00' T = 520.92' L = 1,000.00' E = 90.73' DESIGN SPEED = 40 MPH e = N.C.
ENTERING CURVE: T.R. = N/A S.E. RUN = N/A	EXITING CURVE: T.R. = N/A S.E. RUN = N/A
EXITING CURVE: T.R. = N/A S.E. RUN = 1,775.00'	P.C. STA. = 1062+22.77 N = 1,806,104.01 E = 1,163,137.89
P.C. STA. = 1047+60.07 N = 1,807,066.19 E = 1,161,959.04 Δ = 41° 25' 13.99" (RT) D = 3° 13' 40.6" R = 1,775.00' T = 671.08' L = 1,283.19' E = 122.62' DESIGN SPEED = 40 MPH e = N.C.	P.T. STA. = 1072+22.77 N = 1,805,777.36 E = 1,164,062.37
P.T. STA. = 1053+72.18 N = 1,806,641.85 E = 1,162,478.93	P.O.T. STA 1082+85.32 N = 1,805,782.94 E = 1,165,124.91

RAMP F1 DATA

P.O.T. STA 4200+00.00 N = 1,806,536.89 E = 1,162,607.53	PROP. CURVE VEC_F1-2 PI STA. = 4210+94.74 N = 1,805,592.56 E = 1,162,090.89 Δ = 3° 00' 00" (RT) D = 0° 51' 16" R = 6,705.12' T = 175.58' L = 351.07' E = 2.30' DESIGN SPEED = 40 MPH e = N.C.
ENTERING CURVE: T.R. = N/A S.E. RUN = 165.1'	EXITING CURVE: T.R. = N/A S.E. RUN = 110.1'
EXITING CURVE: T.R. = N/A S.E. RUN = 165.1'	P.C. STA. = 4209+19.16 N = 1,805,721.29 E = 1,162,210.30
P.C. STA. = 4206+70.75 N = 1,805,905.49 E = 1,162,381.16 Δ = 23° 07' 29" (RT) D = 11° 14' 04" R = 510.00' T = 104.34' L = 205.84' E = 10.56' DESIGN SPEED = 40 MPH e = 6.0%	P.T. STA. = 4212+70.24 N = 1,805,470.26 E = 1,161,964.92
P.T. STA. = 4207+72.25 N = 1,805,828.99 E = 1,162,310.21	P.O.T. STA 4213+70.69 N = 1,805,400.29 E = 1,161,892.84

WESTERN AVE DATA

P.O.T. STA 5996+00.00 N = 1,804,216.24 E = 1,164,686.41	P.O.T. STA 6000+00.00 N = 1,804,607.05 E = 1,164,601.15
P.O.T. STA 6012+00.00 N = 1,805,778.83 E = 1,164,342.45	

NOTE:
CONTRACT I-19-4495 USES THE FOLLOWING ALIGNMENTS:
I-57, I-294, C-D ROAD C, RAMP F2, AND RAMP L.
ALL OTHER ALIGNMENTS ARE SHOWN FOR INFORMATION ONLY.

P:\625\0157-294-5-19\Road\PS\NEW_Ramps_C&F2_01000005-ATB-in-103.dgn 2/12/2020

DRAWN BY **BEC**
DATE **4-3-2020**
CHECKED BY **MPG**
SCALE **1:200**

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS	
NO.	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
ALIGNMENT PLANS
SHEET 3 OF 5

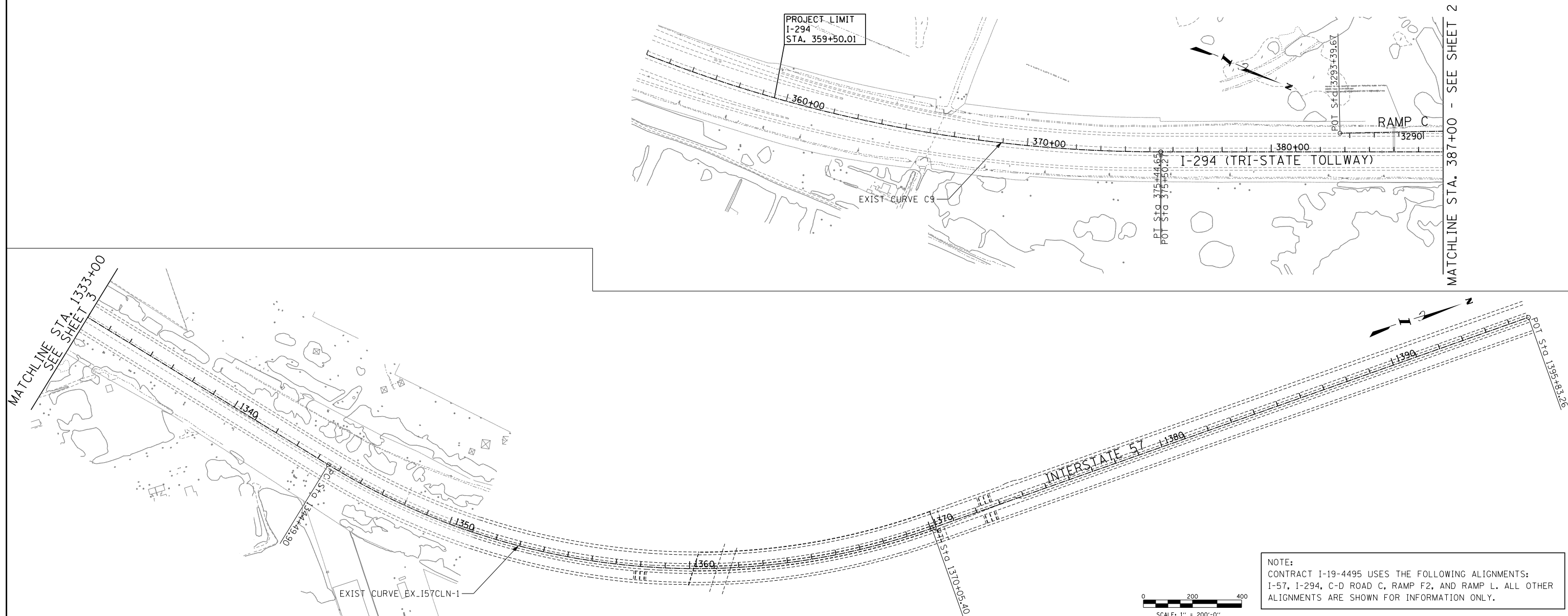
SHEET G-021
21 OF **606**

RAMP C DATA

<p>P.O.T. STA 3198+89.45 N = 1,808,305.21 E = 1,164,797.36</p> <p>PROP. CURVE VEC_C-1 PI STA. = 3205+26.62 N = 1,807,870.62 E = 1,164,331.41 Δ = 3° 00' 00" (LT) D = 0° 42' 06" R = 8,167.00' T = 213.86' L = 427.62' E = 2.80' DESIGN SPEED = 50 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 3203+12.76 N = 1,808,016.48 E = 1,164,487.80 P.T. STA. = 3207+40.38 N = 1,807,716.76 E = 1,164,182.86</p>	<p>PROP. CURVE VEC_C-2 PI STA. = 3237+21.84 N = 1,805,571.87 E = 1,162,111.99 Δ = 3° 00' 00" (RT) D = 0° 51' 02" R = 6,737.00' T = 176.41' L = 352.75' E = 2.31' DESIGN SPEED = 45 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 3235+45.42 N = 1,805,698.79 E = 1,162,234.53 P.T. STA. = 3238+98.17 N = 1,805,451.55 E = 1,161,982.98</p>	<p>PROP. CURVE VEC_C-3 PI STA. = 3249+08.47 N = 1,804,762.45 E = 1,161,244.17 Δ = 19° 35' 58" (RT) D = 7° 43' 18" R = 742.00' T = 128.16' L = 253.82' E = 10.99' DESIGN SPEED = 45 MPH e = 6.0% ENTERING CURVE: T.R. = 50.0' S.E. RUN = 199.8' EXITING CURVE: T.R. = 50.0' S.E. RUN = 199.8' P.C. STA. = 3247+80.31 N = 1,804,849.86 E = 1,161,337.89 P.T. STA. = 3250+34.13 N = 1,804,711.54 E = 1,161,126.55</p>	<p>PROP. CURVE VEC_C-4 PI STA. = 3258+38.65 N = 1,804,391.94 E = 1,160,388.24 Δ = 13° 20' 17" (LT) D = 7° 43' 18" R = 742.00' T = 86.76' L = 172.73' E = 5.05' DESIGN SPEED = 45 MPH e = 6.0% ENTERING CURVE: T.R. = N/A S.E. RUN = 196.5' EXITING CURVE: T.R. = N/A S.E. RUN = 196.5' P.C. STA. = 3257+51.89 N = 1,804,426.40 E = 1,160,467.85 P.C.C. STA. = 3259+24.62 N = 1,804,340.04 E = 1,160,318.71</p>	<p>PROP. CURVE VEC_C-5 PI STA. = 3260+45.95 N = 1,804,269.04 E = 1,160,220.33 Δ = 18° 29' 38" (LT) D = 7° 41' 18" R = 745.23' T = 121.33' L = 240.54' E = 9.81' DESIGN SPEED = 45 MPH e = 6.0% ENTERING CURVE: T.R. = N/A S.E. RUN = N/A EXITING CURVE: T.R. = N/A S.E. RUN = N/A P.C. STA. = 3259+24.62 N = 1,804,340.04 E = 1,160,318.71 P.C.C. STA. = 3261+65.17 N = 1,804,170.50 E = 1,160,149.54</p>	<p>PROP. CURVE VEC_C-6 PI STA. = 3274+59.08 N = 1,803,107.15 E = 1,159,412.32 Δ = 120° 04' 09" (LT) D = 7° 40' 49" R = 746.00' T = 1,293.91' L = 1,563.32' E = 747.56' DESIGN SPEED = 45 MPH e = 6.0% ENTERING CURVE: T.R. = N/A S.E. RUN = N/A EXITING CURVE: T.R. = N/A S.E. RUN = 177.6' P.C. STA. = 3261+65.17 N = 1,804,170.50 E = 1,160,149.54 P.T. STA. = 3277+28.49 N = 1,803,001.93 E = 1,160,701.95</p>	<p>PROP. CURVE VEC_C-7 PI STA. = 3283+93.44 N = 1,802,947.86 E = 1,161,364.70 Δ = 60° 47' 01" (RT) D = 7° 50' 55" R = 730.00' T = 428.15' L = 774.44' E = 116.29' DESIGN SPEED = 45 MPH e = 6.0% ENTERING CURVE: T.R. = N/A S.E. RUN = 177.6' EXITING CURVE: T.R. = N/A S.E. RUN = 118.4' P.C. STA. = 3279+65.29 N = 1,802,982.68 E = 1,160,937.97 P.T. STA. = 3287+39.73 N = 1,802,558.43 E = 1,161,542.60 P.O.T. STA 3293+39.67 N = 1,802,012.73 E = 1,161,791.89</p>
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I-294 DATA

<p>EXIST. CURVE C9 PI STA. = 364+24.07 N = 1,800,317.04 E = 1,162,608.72 Δ = 22° 42' 44" (LT) D = 1° 00' 00" R = 5,730.02' T = 1,150.80' L = 2,271.38' E = 114.42' DESIGN SPEED = 60 MPH e = 2.7% T.R. = 99.9' S.E. RUN = 179.8' P.C. STA. = 352+73.27 N = 1,799,166.33 E = 1,162,622.66 P.T. STA. = 375+44.65 N = 1,801,373.14 E = 1,162,151.56 P.O.T. STA 375+44.65 BK = STA. 375+50.27 AH N = 1,801,373.14 E = 1,162,151.56</p>	<p>EXIST. CURVE C5 PI STA. = 463+95.11 N = 1,809,490.15 E = 1,158,637.95 Δ = 68° 22' 19" (LT) D = 1° 59' 57" R = 2,865.98' T = 1,946.70' L = 3,420.02' E = 598.62' DESIGN SPEED = 60 MPH e = 4.5% T.R. = 99.9' S.E. RUN = 299.7' P.C. STA. = 444+48.42 N = 1,807,703.65 E = 1,159,411.27 P.T. STA. = 478+68.44 N = 1,809,429.74 E = 1,156,692.19</p>
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NOTE:
CONTRACT I-19-4495 USES THE FOLLOWING ALIGNMENTS:
I-57, I-294, C-D ROAD C, RAMP F2, AND RAMP L. ALL OTHER
ALIGNMENTS ARE SHOWN FOR INFORMATION ONLY.

P:\62560157-294-5-19\Road\PSNEW_Ramps_C&F2_01000005-ATB-ah104.dgn
 5/12/2020

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CHECKED BY	SCALE

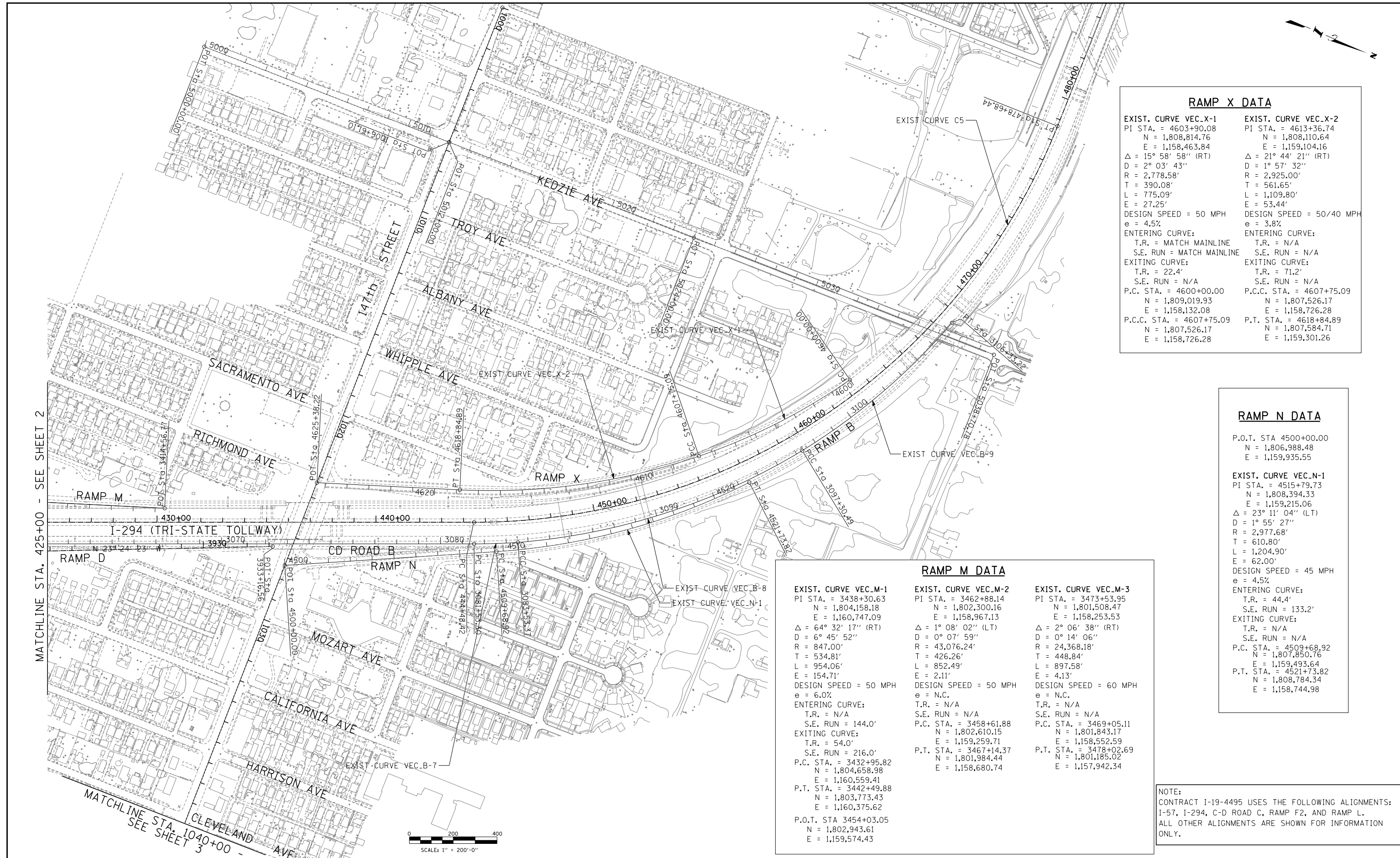
TYLIN INTERNATIONAL

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
ALIGNMENT PLANS
SHEET 4 OF 5

SHEET G-022
 22 OF 606



RAMP X DATA

EXIST. CURVE VEC.X-1 PI STA. = 4603+90.08 N = 1,808,814.76 E = 1,158,463.84 Δ = 15° 58' 58" (RT) D = 2° 03' 43" R = 2,778.58' T = 390.08' L = 775.09' E = 27.25' DESIGN SPEED = 50 MPH e = 4.5% ENTERING CURVE: T.R. = MATCH MAINLINE S.E. RUN = MATCH MAINLINE EXITING CURVE: T.R. = 22.4' S.E. RUN = N/A P.C. STA. = 4600+00.00 N = 1,809,019.93 E = 1,158,132.08 P.C.C. STA. = 4607+75.09 N = 1,807,526.17 E = 1,158,726.28	EXIST. CURVE VEC.X-2 PI STA. = 4613+36.74 N = 1,808,110.64 E = 1,159,104.16 Δ = 21° 44' 21" (RT) D = 1° 57' 32" R = 2,925.00' T = 561.65' L = 1,109.80' E = 53.44' DESIGN SPEED = 50/40 MPH e = 3.8% ENTERING CURVE: T.R. = N/A S.E. RUN = N/A EXITING CURVE: T.R. = 71.2' S.E. RUN = N/A P.C. STA. = 4607+50.09 N = 1,807,526.17 E = 1,158,726.28 P.T. STA. = 4618+84.89 N = 1,807,584.71 E = 1,159,301.26
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RAMP N DATA

P.O.T. STA 4500+00.00 N = 1,806,988.48 E = 1,159,935.55	EXIST. CURVE VEC.N-1 PI STA. = 4515+79.73 N = 1,808,394.33 E = 1,159,215.06 Δ = 23° 11' 04" (LT) D = 1° 55' 27" R = 2,977.68' T = 610.80' L = 1,204.90' E = 62.00' DESIGN SPEED = 45 MPH e = 4.5% ENTERING CURVE: T.R. = 44.4' S.E. RUN = 133.2' EXITING CURVE: T.R. = N/A S.E. RUN = N/A P.C. STA. = 4509+68.92 N = 1,807,850.76 E = 1,159,493.64 P.T. STA. = 4521+73.82 N = 1,808,784.34 E = 1,158,744.98
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RAMP M DATA

EXIST. CURVE VEC.M-1 PI STA. = 3438+30.63 N = 1,804,158.18 E = 1,160,747.09 Δ = 64° 32' 17" (RT) D = 6° 45' 52" R = 847.00' T = 534.81' L = 954.06' E = 154.71' DESIGN SPEED = 50 MPH e = 6.0% ENTERING CURVE: T.R. = N/A S.E. RUN = 144.0' EXITING CURVE: T.R. = 54.0' S.E. RUN = 216.0' P.C. STA. = 3432+95.82 N = 1,804,658.98 E = 1,160,559.41 P.T. STA. = 3442+49.88 N = 1,803,773.43 E = 1,160,375.62 P.O.T. STA 3454+03.05 N = 1,802,943.61 E = 1,159,574.43	EXIST. CURVE VEC.M-2 PI STA. = 3462+88.14 N = 1,802,300.16 E = 1,158,967.13 Δ = 1° 08' 02" (LT) D = 0° 07' 59" R = 43,076.24' T = 426.26' L = 852.49' E = 2.11' DESIGN SPEED = 50 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 3458+61.88 N = 1,802,610.15 E = 1,159,259.71 P.T. STA. = 3467+14.37 N = 1,801,984.44 E = 1,158,680.74	EXIST. CURVE VEC.M-3 PI STA. = 3473+53.95 N = 1,801,508.47 E = 1,158,253.53 Δ = 2° 06' 38" (RT) D = 0° 14' 06" R = 24,368.18' T = 448.84' L = 897.58' E = 4.13' DESIGN SPEED = 60 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 3469+05.11 N = 1,801,843.17 E = 1,158,552.59 P.T. STA. = 3478+02.69 N = 1,801,185.02 E = 1,157,942.34
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NOTE:
CONTRACT I-19-4495 USES THE FOLLOWING ALIGNMENTS:
I-57, I-294, C-D ROAD C, RAMP F2, AND RAMP L.
ALL OTHER ALIGNMENTS ARE SHOWN FOR INFORMATION ONLY.

DRAWN BY **BEC**
DATE **4-3-2020**
CHECKED BY **MPG**
SCALE **1:200**

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
ALIGNMENT PLANS
SHEET 5 OF 5

SHEET G-023
23 OF **606**

P:\625\0157-294-5-19\Road\PS\NEW_Ramps_C&F2_01020205-ATB-ah105.dgn 2/12/2020

PROJECT BENCH MARKS

BM 200 ELEVATION = 646.2550 FEET
SET EAST SIDE OF I-57, A SQUARE CUT ON TOP OF A CONCRETE PIER AT NORTHEAST CORNER OF I-57 AND 159TH STREET.

BM 201 ELEVATION = 617.6382 FEET
SET EAST SIDE OF I-57 ON NORTH SIDE OF THE PEDESTRIAN BRIDGE, A SQUARE CUT ON HEAD WALL OF THE CULVERT ALONG LINE 43 (ADJACENT TO 2778).

BM 202 ELEVATION = 608.1299 FEET
SET ON EAST SIDE OF I-57 ON CONCRETE EDGE OF STRUCTURE AT CONTROL POINT 9307. A SQUARE CUT JUST SOUTH OF LINE 37.

BM 203 ELEVATION = 609.8597 FEET
SET EAST SIDE OF I-57 ON CONCRETE EDGE OF STRUCTURE AT CONTROL POINT 9310. A SQUARE CUT ADJACENT TO LINE 34.

BM 204 ELEVATION = 609.8511 FEET
SET EAST SIDE OF I-57 A SQUARE CUT ON WEST SIDE OF CONCRETE BASE OF LIGHT POST, FIRST LIGHT POST SOUTH OF KEDZIE AVE. LOCATED NEAR CONTROL POINT 9300 AND LINE 27

BM 205 ELEVATION = 610.0871 FEET
SET EAST SIDE OF I-57 SOUTHWEST BOLT OF LIGHT POST BASE, THIRD LIGHT POST NORTH OF KEDZIE AVE. ADJACENT TO CONTROL POINT 2103 AND LINE 23.

BM 206 ELEVATION = 610.4211 FEET
SET EAST SIDE OF I-57, A SQUARE CUT ON WEST SIDE OF CONCRETE BASE OF LIGHT POST, THIRD LIGHT POST SOUTH OF SIGNS FOR EXIT 350 (IL RTE 83) 1/2 MILE, ADJACENT TO CONTROL POINT 2599 AND LINE 17.

BM 207 ELEVATION = 637.9924 FEET
SET EAST SIDE OF I-57, A SQUARE CUT ON BRIDGE PIER LOCATED AT SOUTH EAST CORNER OF I-294 AND I-57.

BM 208 ELEVATION = 628.8701 FEET
SET EAST SIDE OF I-57, SET MAG NAIL AT SOUTH END OF GUARDRAIL APPROXIMATELY 150 FEET SOUTH OF SIGN (SIBLEY BLVD. OR 147TH ST.).

BM 209 ELEVATION = 626.2850 FEET
SET EAST SIDE OF I-57, A SQUARE CUT ON CONCRETE WALL LOCATED AT NORTHEAST CORNER OF I-57 AND SIBLEY BLVD/147TH ST.

BM 210 ELEVATION = 627.4682 FEET
SET EAST SIDE OF I-57, A SQUARE CUT ON CONCRETE WALL LOCATED AT NORTHEAST CORNER OF I-57 AND DIXIE HWY.

BM 211 ELEVATION = 608.2950 FEET
SET WEST SIDE OF KEDZIE, CROSS CUT BUTTON BOLT OF FIRE HYDRANT LOCATED 200 FEET SOUTH OF BRIDGE FOR I-294.

BM 213 ELEVATION = 634.4654 FEET
SET EAST SIDE OF I-57, A SQUARE CUT AT THE NORTHEAST CORNER OF CONCRETE WALL ON BRIDGE (MILE MARKER 351). BRIDGE IS OVER RAILROAD TRACKS AND JUNKYARD.

BM 214 ELEVATION = 615.8439 FEET
SET EAST SIDE OF I-57, A SQUARE CUT IN CONCRETE BASE OF LIGHT POST ON THE EASTERLY SIDE LIGHT POST IS LABELED MILE MARKER 351.11

BM 215 ELEVATION = 605.7081 FEET
SET NORTH SIDE OF 147TH ST, A SQUARE CUT ON SOUTHWEST CORNER OF TRAFFIC SIGNAL CABINET LOCATED AT THE NORTHEAST CORNER OF 147TH ST. AND CLEVELAND AVE.

BM 216 ELEVATION = 605.7528 FEET
SET CROSS CUT LOCATED ON THE SOUTHWEST BUTTON BOLT OF FIRE HYDRANT LOCATED AT NORTHWEST CORNER OF 147TH ST. AND HARRISON ST.

BM 217 ELEVATION = 606.0342 FEET
SET SQUARE CUT ON NORTHEAST CORNER OF LIGHT POST BASE LOCATED AT THE SOUTHWEST CORNER OF 147TH ST. AND CALIFORNIA AVE.

BM 218 ELEVATION = 606.0952 FEET
SET SQUARE CUT ON SOUTHWEST CORNER OF 147TH ST AND RICHMOND LOCATED AT THE FACE OF SIDEWALK WALK 9 FT. EAST OF FENCE CORNER.

BM 219 ELEVATION = 605.7136 FEET
SET SQUARE CUT ON CONCRETE BASE OF TRAFFIC SIGNAL LOCATED AT SOUTHWEST CORNER OF 147TH ST. AND SACRAMENTO ST.

BM 220 ELEVATION = 608.0494 FEET
SET SQUARE CUT ON THE CONCRETE BASE OF MARATHON SIGN LOCATED AT THE SOUTHWEST CORNER OF 147TH ST. AND WHIPPLE ST.

BM 221 ELEVATION = 608.9063 FEET
SET SQUARE CUT ON CONCRETE BASE OF LIGHT POST IN FRONT OF DUNKIN DONUTS AT SOUTHWEST CORNER OF 147TH ST. AND ALBANY AVE.

BM 222 ELEVATION = 610.5156 FEET
SET CROSS CUT ON BUTTON BOLT OF FIRE HYDRANT LOCATED AT NORTHEAST CORNER OF 147TH ST. AND KEDZIE AVE. (CITGO GAS STATION).

BM 223 ELEVATION = 608.5604 FEET
SET SQUARE CUT ON SIDEWALK DIRECTLY IN FRONT OF SILVER FLASH RESTAURANT ON EAST SIDE OF KEDZIE AVE. JUST NORTH OF 146TH ST.

BM 224 ELEVATION = 608.0252 FEET
SET SQUARE CUT ON CONCRETE BASE OF RADAY LODGE SIGN LOCATED AT NORTHWEST CORNER OF 145TH AND KEDZIE AVE.

BM 225 ELEVATION = 609.9093 FEET
SET WEST SIDE OF KEDZIE AVE. JUST NORTH OF 143RD ST. A SCROSS CUT (FOUND) ON BOTTOM STEP OF CONCRETE WALL.

BM 226 ELEVATION = 609.9632 FEET
SET WEST SIDE OF KEDZIE JUST SOUTH OF 149TH ST. A MAG NAIL IN TOP OF WOOD POST 11TH SOUTH, ADJACENT TO MARKHAM, IL SIGN.

BM 227 ELEVATION = 609.9784 FEET
SET AT A FIRE HYDRANT LOCATED AT THE NORTHEAST CORNER OF KEDZIE AVE. AND 151ST ST. WITH A CROSS CUT ON THE NORTHWESTERLY BOLT.

BM 228 ELEVATION = 610.9903 FEET
SET A CROSS CUT ON MANHOLE RIM LOCATED AT SOUTHEAST CORNER OF KEDZIE AVE. AND 153RD ST. ADJACENT TO FIRE HYDRANT.

BM 229 ELEVATION = 633.8194 FEET
SET AT KEDZIE AVE./I-57 BRIDGE, SOUTHEAST CORNER HEADWALL, A SQUARE CUT, ASSUMING I-57 ACTUALLY RUNNING TRUE NORTH AND SOUTH.

BM 230 ELEVATION = 610.2070 FEET
SET A SQUARE CUT ON NORTHEAST CORNER OF TRAFFIC SIGNAL HANDHOLE LOCATED AT NORTHWEST CORNER OF KEDZIE AVE. AND 155TH ST.

BM 231 ELEVATION = 614.6237 FEET
SET A SQUARE CUT ON SOUTHWEST CORNER CONCRETE BASE FOR WALGREENS SIGN, LOCATED AT THE NORTHEAST CORNER OF KEDZIE AVE. AND 159TH ST.

BM 232 ELEVATION = 616.7152 FEET
EAST-NORTHEAST BOLT OF FIRE HYDRANT LOCATED AT THE NORTHWEST CORNER OF 159TH ST. AND SPAULDING AVE. (SOUTH EAST CORNER OF PIXEL 3300 159TH ST.)

BM 233 ELEVATION = 617.6476 FEET
SET AT NORTH FACE OF LIGHT POST, A SQUARE CUT ON CONCRETE BASE IN FRONT OF ECONOMY TRANSPORTATION AND REPAIR AT NORTHWEST CORNER OF 159TH ST. AND HOMAN AVE.

BM 234 ELEVATION = 621.0995 FEET
SET AT NORTH FACE OF LIGHT POST, A SQUARE CUT ON CONCRETE BASE IN FRONT OF HARVEY HEALTH CENTER PHARMACY AT NORTHWEST CORNER OF 159TH AND CLIFTON.

BM 235 ELEVATION = 622.0070 FEET
SET A CROSS CUT IN NORTHWEST BOLT OF FIRST LIGHT POST NORTH OF 159TH ST BRIDGE, ASSUMING I-57 IS RUNNING NORTH AND SOUTH (NEXT TO EXIT RAMP).

BM 236 ELEVATION = 638.9617 FEET
SET A SQUARE CUT ON CONCRETE BASE OF SIGN JUST SOUTH OF MILE MARKER 347.63 AND JUST NORTH OF PULASKI AVE./CRAWFORD AVE. BRIDGE.

P:\62540157-294-5-91\Roads\PSNEW_Ramps_C&F2_01000005-ATB-in-106.dgn 3/12/2020

DRAWN BY <i>BEC</i>	DATE <i>4-3-2020</i>	TYLIN INTERNATIONAL
CHECKED BY <i>MPG</i>	SCALE <i>NONE</i>	



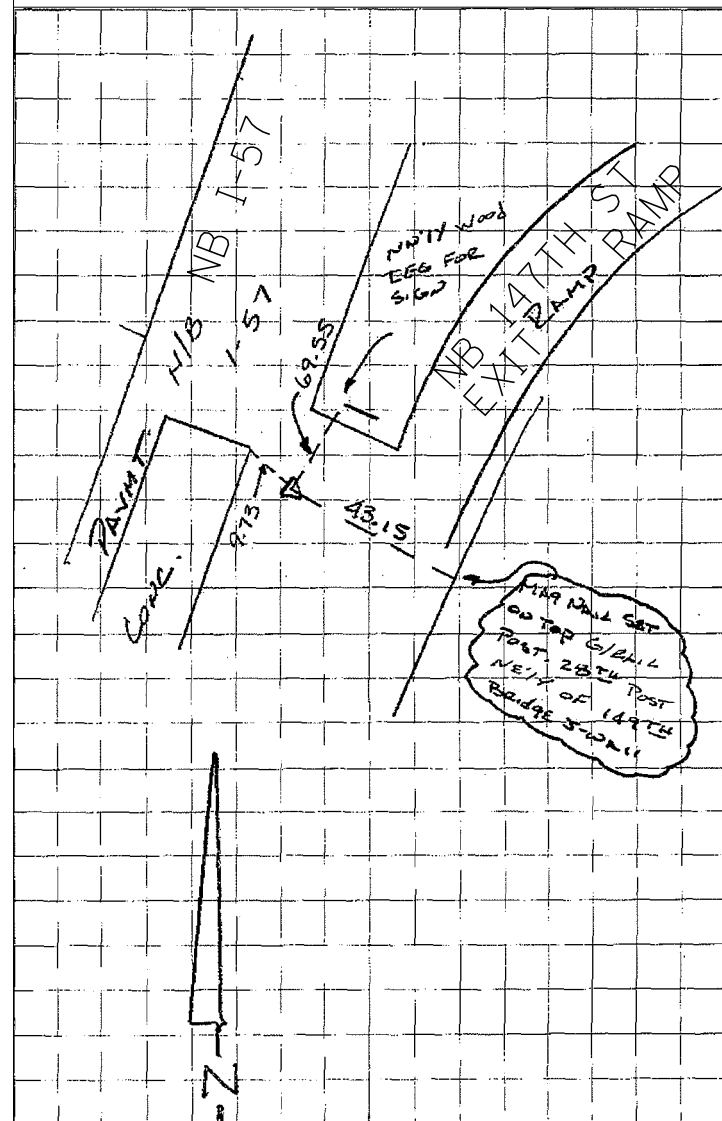
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495	<i>SHEET G-024</i>
I-57 AT 294 RAMPS C AND F2 BENCHMARK DESCRIPTIONS SHEET 1 OF 1	24 OF 606

C.P. 101

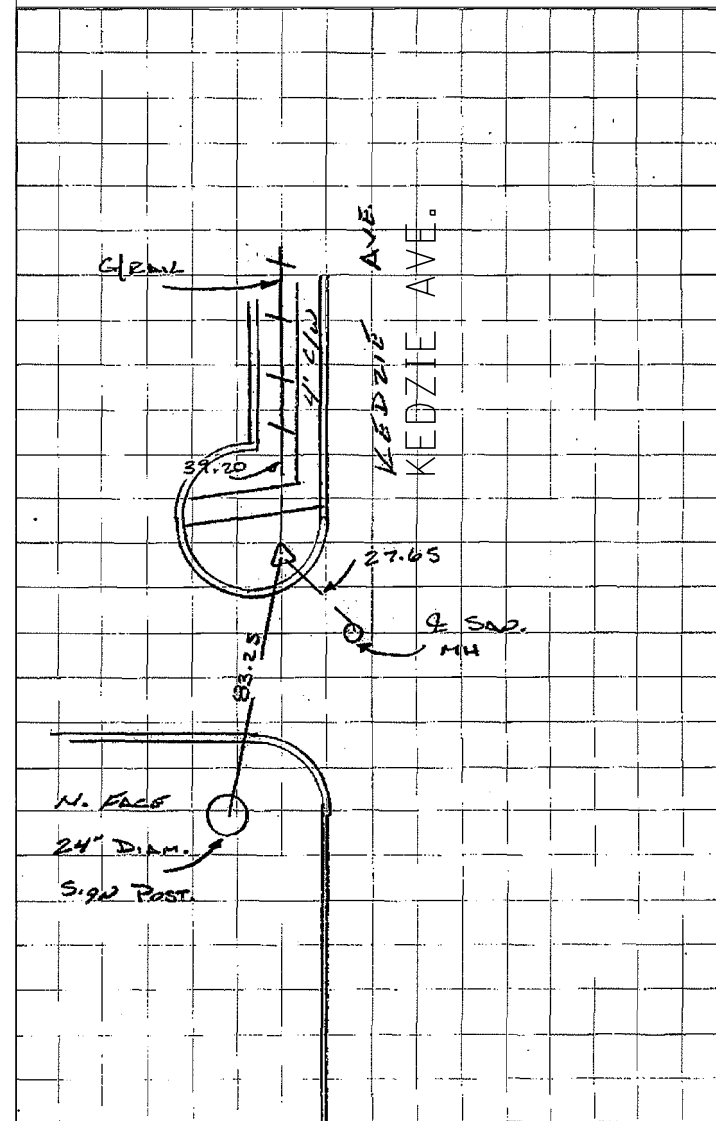
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EL: 621.60



NORTHBOUND I-57 147TH STREET EXIT RAMP

C.P. 104

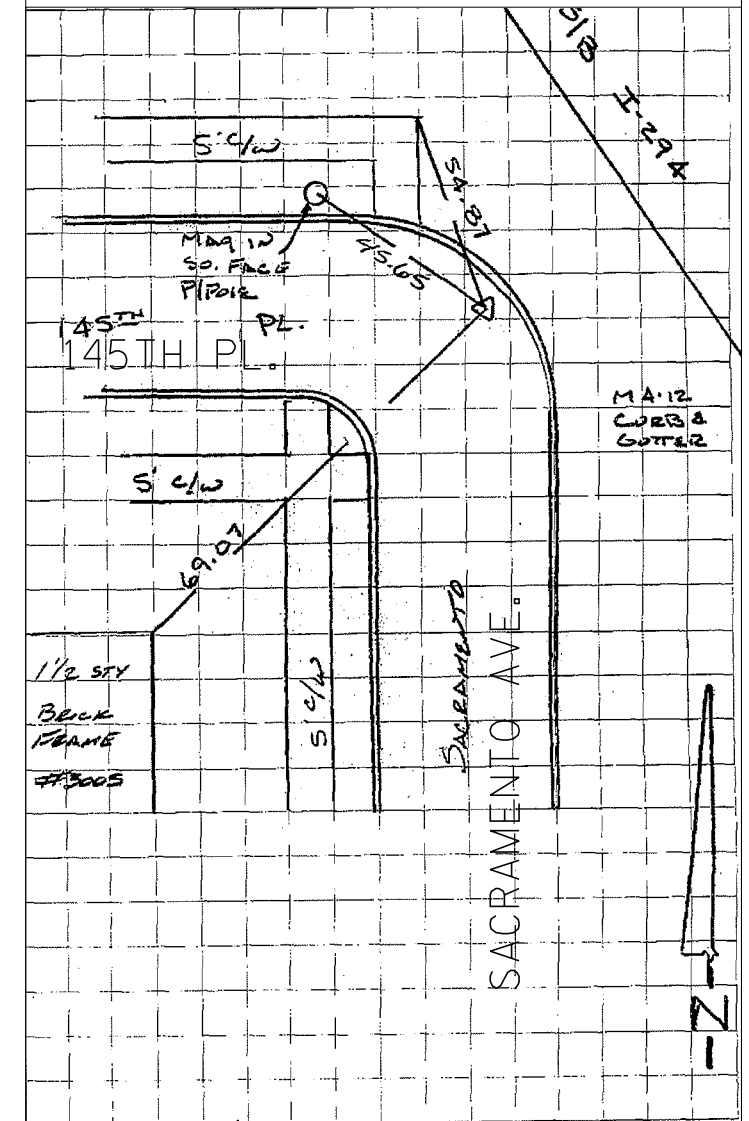
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EL: 607.37



SET 5/8" IRON ROD 3.42 NORTHWEST OF BACK OF CURB AT NORTHWEST CORNER OF KEDZIE AVE. AND 143RD ST.

C.P. 106

N: 1807822.459
E: 1159167.267
EL: 604.62



SET MAG NAIL AT 145TH PLACE AND SACRAMENTO AVENUE.

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DATE 4-3-2020
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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

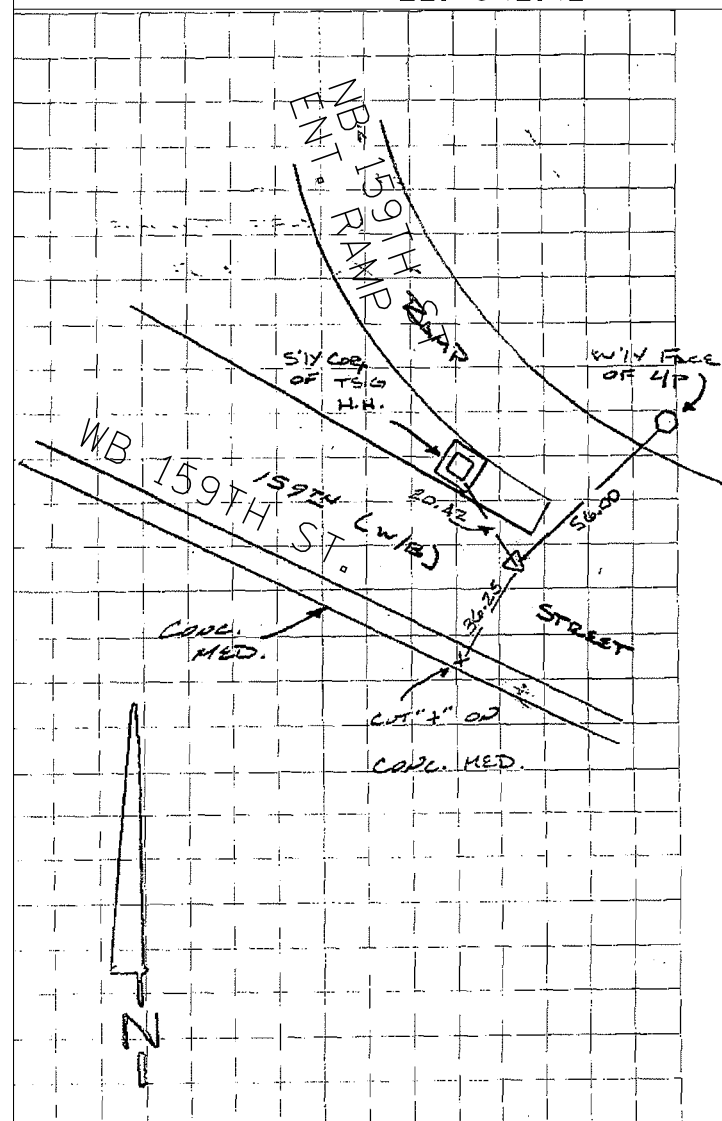
CONTRACT I-19-4495
I-57 AT 294 RAMP C AND F2
SURVEY TIES FOR CONTROL
POINTS - SHEET 1 OF 4

SHEET G-025

25 OF 606

C.P. 107

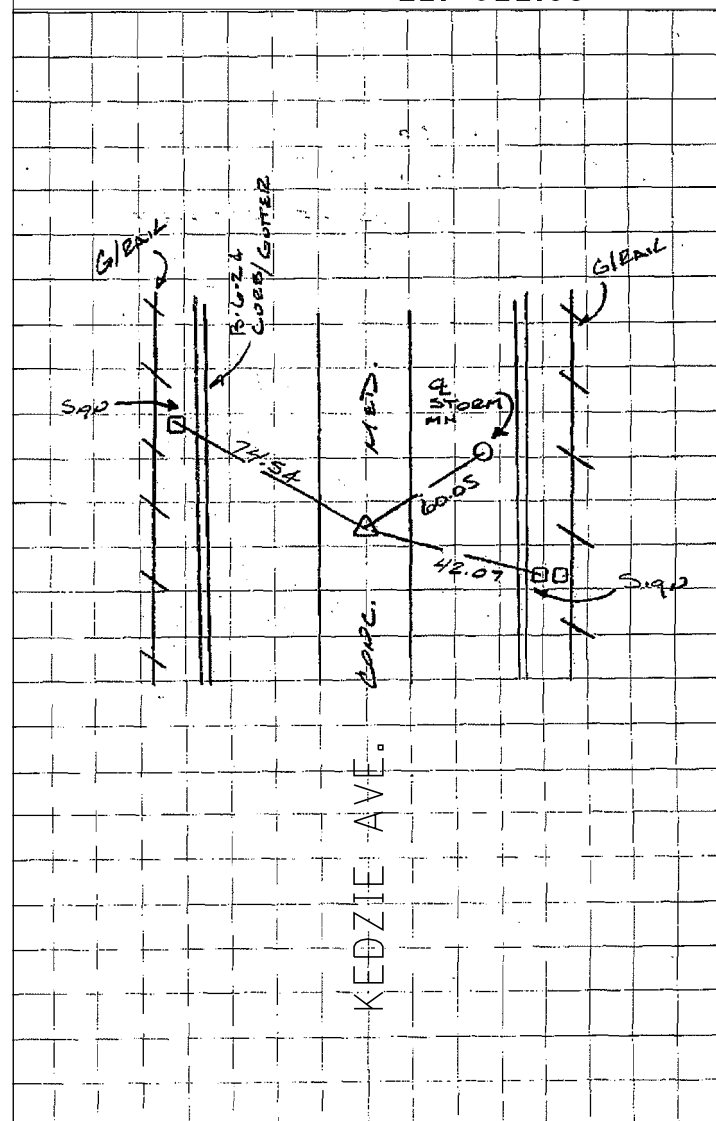
N: 1798223.631
E: 1154694.288
EL: 642.42



SET MAG NAIL IN NORTHERLY SHOULDER OF WESTBOUND 159TH ST. AND SOUTHBOUND I-57 TRIMUS ± 200' WESTERLY OF C 1-57

C.P. 108

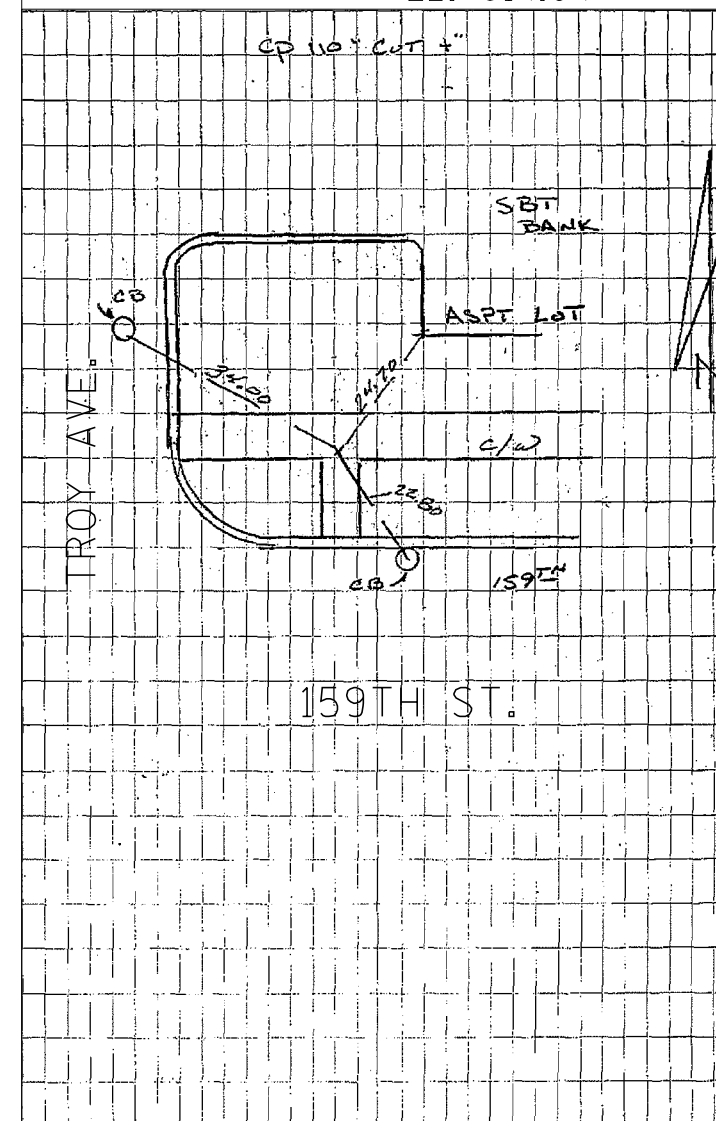
N: 1802043.097
E: 1158197.713
EL: 622.98



SET CROSS CUT IN CONCRETE MEDIAN WITH RUMBLE STRIPS ± C KEDZIE AVE. ± 350' NORTH OF KEDZIE / I-57 BRIDGE C

C.P. 110

N: 1797816.133
E: 1159306.209
EL: 614.04



CROSS CUT IN SIDEWALK AT NORTH EAST CORNER OF TROY AVENUE AND 159TH STREET.

P:\62540157-294-5-19\Road\PSNEW_Ramps_C&F2_01000095-ATB-in-108.dgn 3/12/2020

DRAWN BY BEC
CHECKED BY MPQ

DATE 4-3-2020
SCALE NONE

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

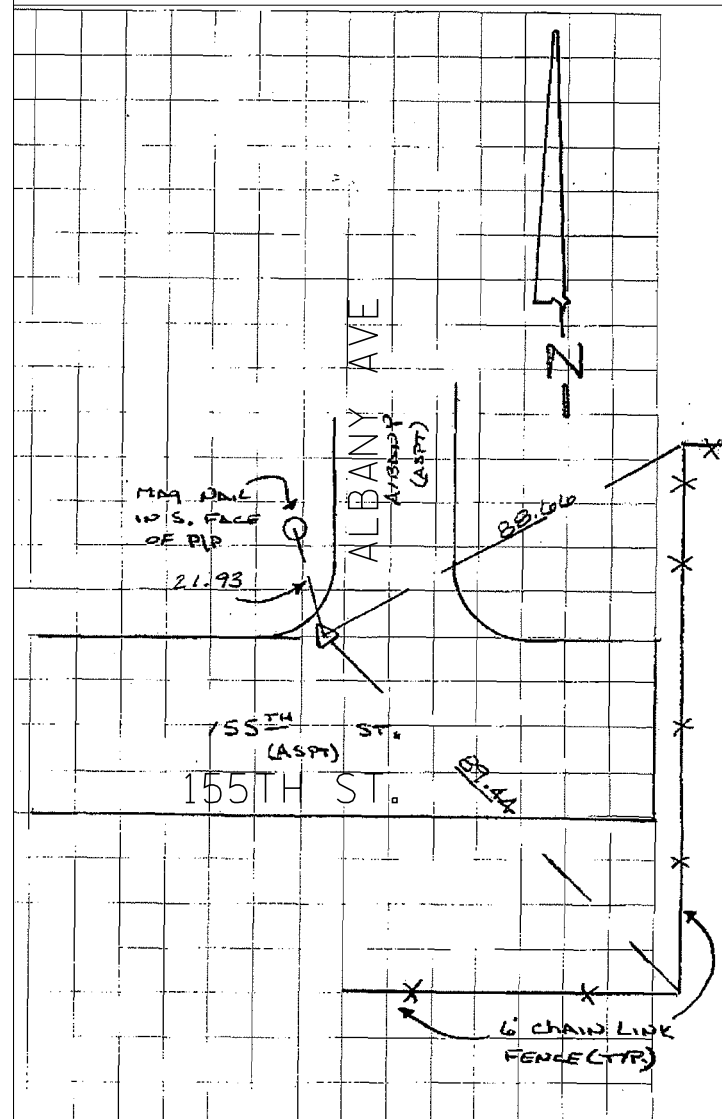
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SURVEY TIES FOR CONTROL
POINTS - SHEET 2 OF 4

SHEET G-026

26 OF 606

C.P. 111

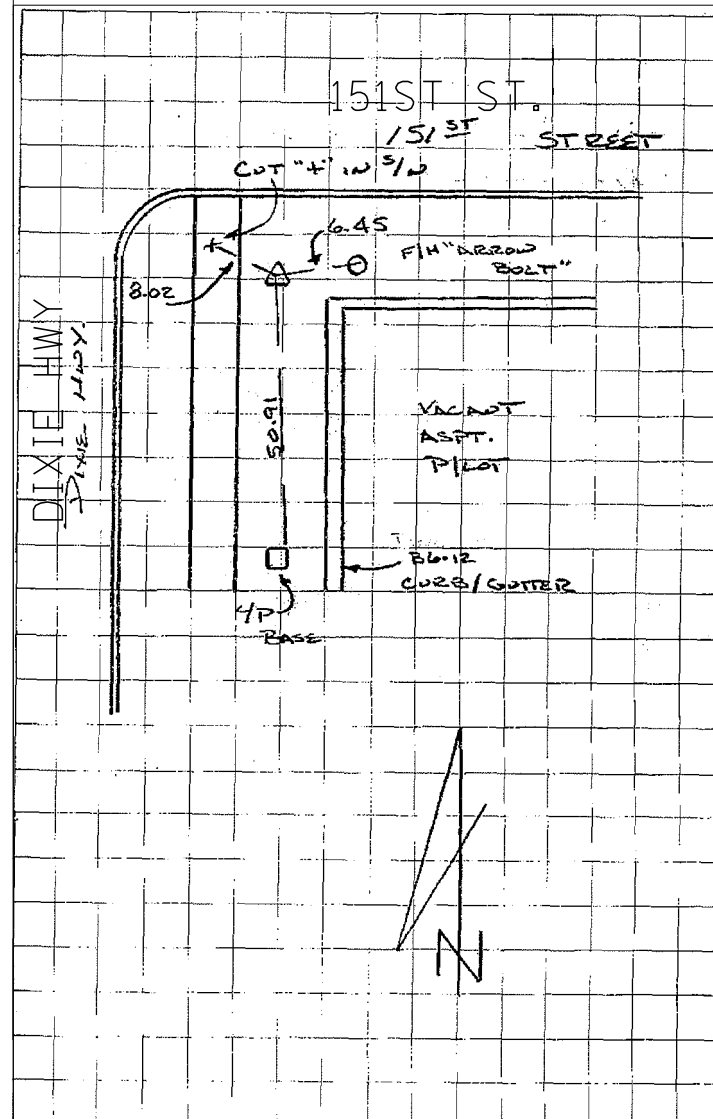
N: 1800451.045
E: 1159589.987
EL: 606.14



FOUND MAG NAIL AT THE INTERSECTION OF 155TH STREET AND ALBANY AVENUE.

C.P. 112

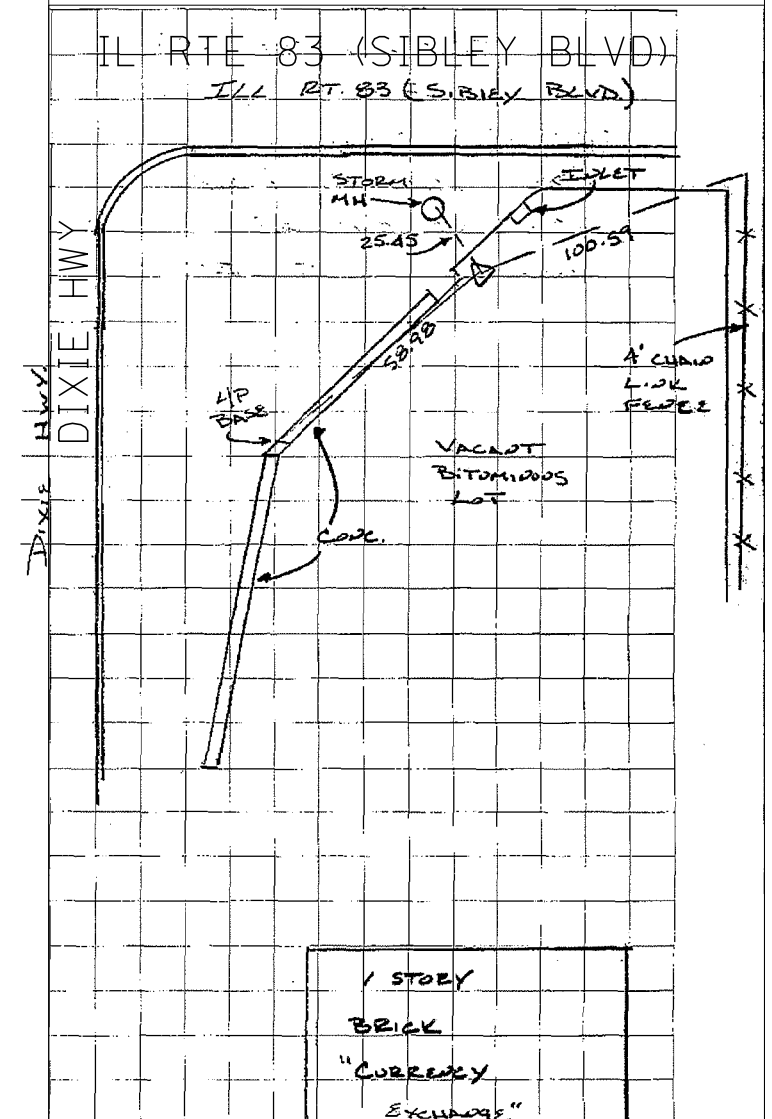
N: 1803083.335
E: 1164994.729
EL: 605.65



SET 5/8 " IRON ROD AT SOUTHWEST CORNER OF DIXIE HWY. AND 151ST ST.

C.P. 113

N: 1805663.454
E: 1164524.505
EL: 604.01



SET MAG NAIL 2.60' SOUTH OF NORTHERLY EDGE OF PAVEMENT OF VACANT LOT AT SOUTHEAST CORNER OF DIXIE BLVD. AND IL ROUTE 83 (SIBLEY BLVD.)

P:\6256057-294-5-9\Road\PSNEW_Ramps_C&F2_01020095-ATB-in-109.dgn 3/12/2020

DRAWN BY BEC
CHECKED BY MPQ

DATE 4-3-2020
SCALE NONE

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS	
NO.	DATE

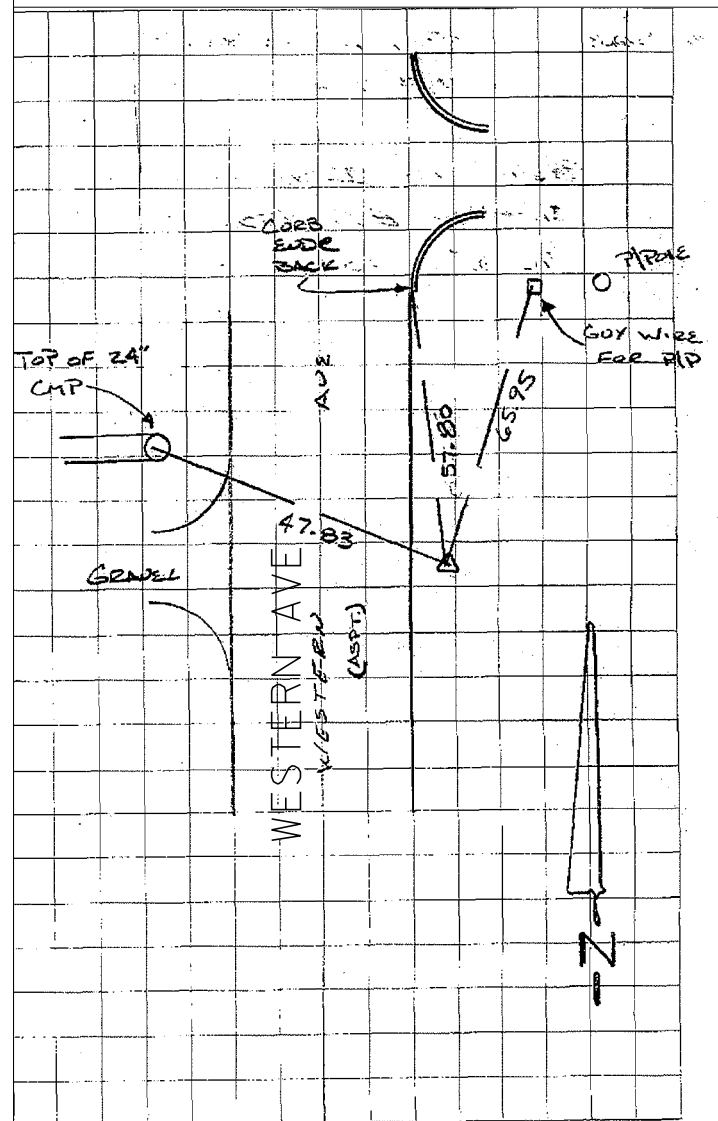
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SURVEY TIES FOR CONTROL
POINTS - SHEET 3 OF 4

SHEET G-027

27 OF 606

C.P. 114

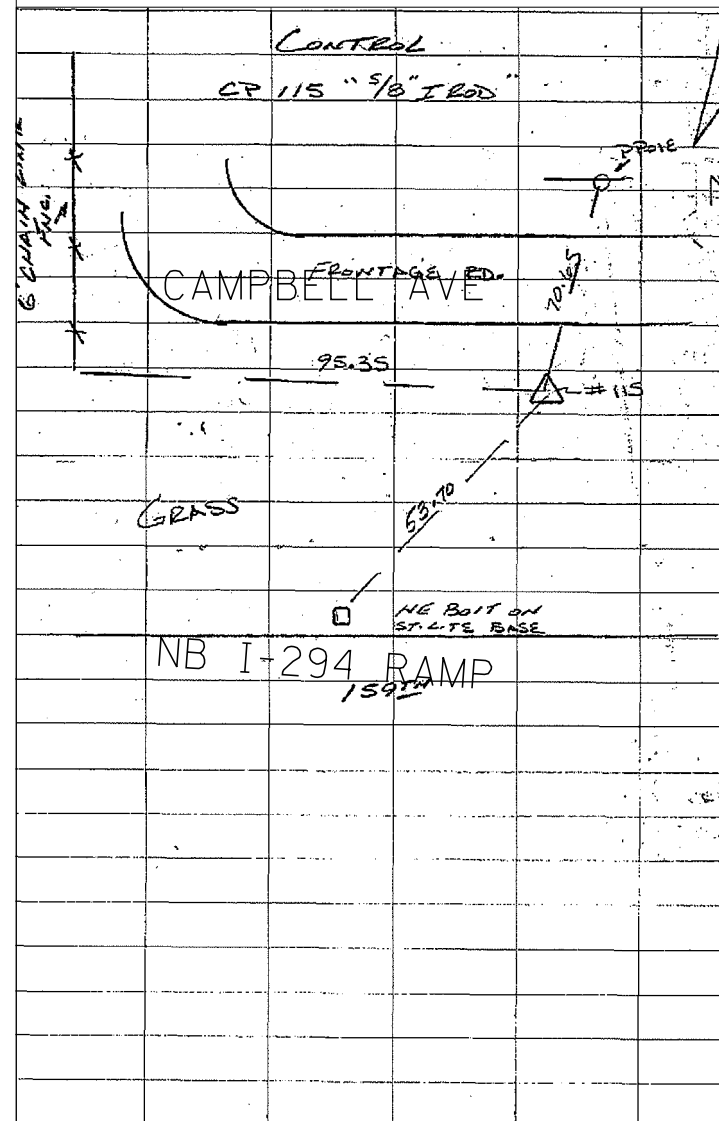
N: 1800521.797
E: 1164221.239
EL: 606.97



SET 5/8" IRON ROD 4.50' EAST OF EASTERLY EDGE OF PAVEMENT
± 160' NORTH OF C 155TH ST.

C.P. 115

N: 1797968.304
E: 1163649.455
EL: 608.72



5/8" IRON ROD ON SOUTH SIDE OF CAMPBELL AVENUE NORTH OF THE
INTERSECTION OF 159TH STREET AND THE NORTHBOUND I-294 RAMP.

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DRAWN BY BEC
CHECKED BY MPQ

DATE 4-3-2020
SCALE NONE

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

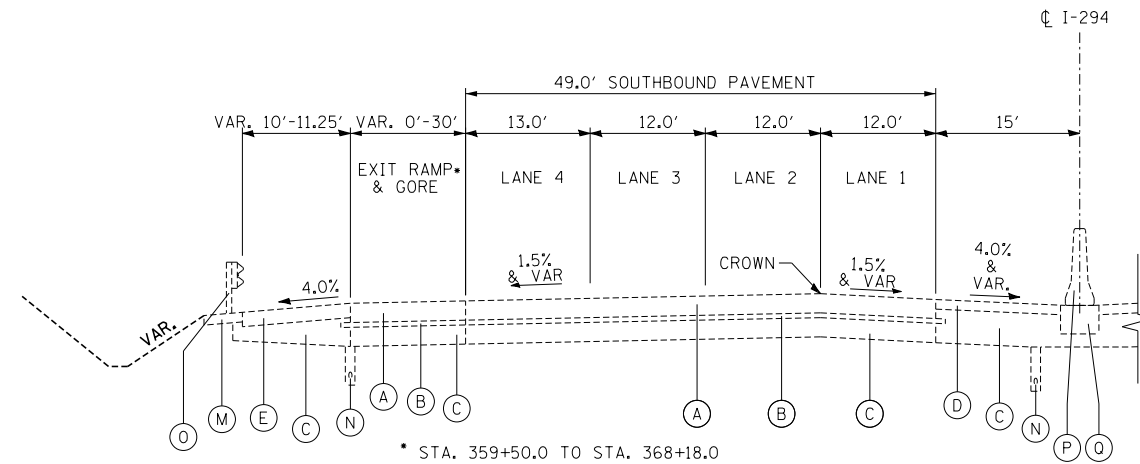
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SURVEY TIES FOR CONTROL
POINTS - SHEET 4 OF 4

SHEET G-028

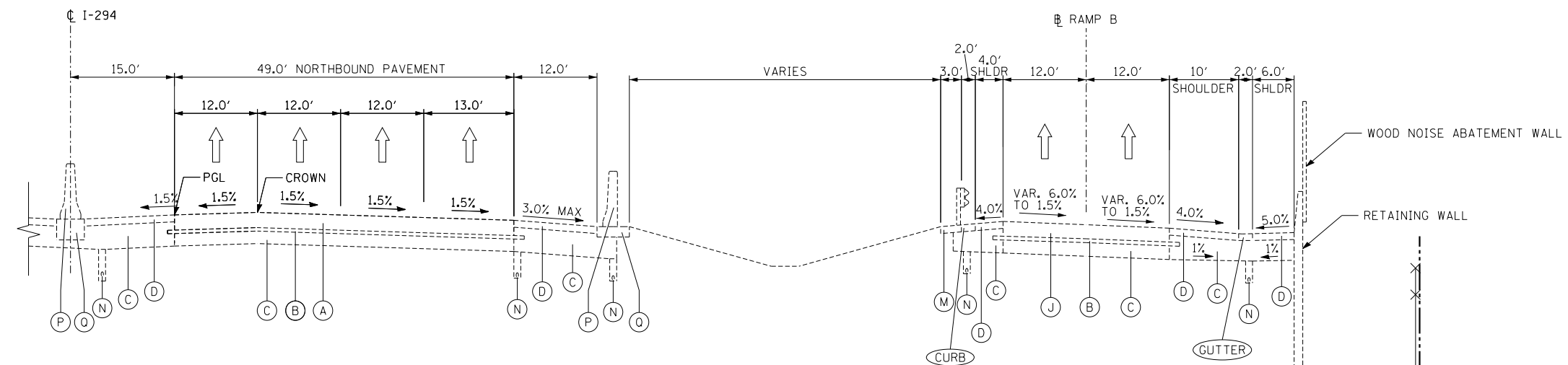
28 OF 606

EXISTING LEGEND

- (A) EXISTING CRC PAVEMENT, 12"±
- (B) EXISTING STABILIZED SUB-BASE, 3"±
- (C) EXISTING AGGREGATE SUBGRADE, 12"± (VAR. UNDER SHOULDERS)
- (D) EXISTING HOT-MIX ASPHALT SHOULDER, 6"±
- (E) EXISTING HOT-MIX ASPHALT SHOULDER, 9"±
- (F) EXISTING HOT-MIX ASPHALT, 2"±
- (G) EXISTING CRC PAVEMENT, 9"±
- (H) EXISTING STABILIZED SUB-BASE, 4"±
- (I) EXISTING HOT-MIX ASPHALT SHOULDER, 13"±
- (J) EXISTING PCC PAVEMENT, 12"±
- (K) EXISTING STABILIZED SUB-BASE, 4 1/2"±
- (L) EXISTING PCC SHOULDER, 12"±
- (M) EXISTING AGGREGATE SHOULDER, 6"±
- (N) EXISTING PIPE UNDERDRAIN, 6"
- (O) EXISTING GUARDRAIL
- (P) EXISTING CONCRETE MEDIAN BARRIER
- (Q) EXISTING CONCRETE MEDIAN BARRIER BASE



I-294 STA. 359+50.0 TO STA. 400+00.0 (LOOKING NORTH)



RAMP B STA. 3044+93.7 TO STA. 3049+83.0

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DRAWN BY . . . DPB
CHECKED BY . . . BEC

DATE . . . 4-3-2020
SCALE . . . NONE

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

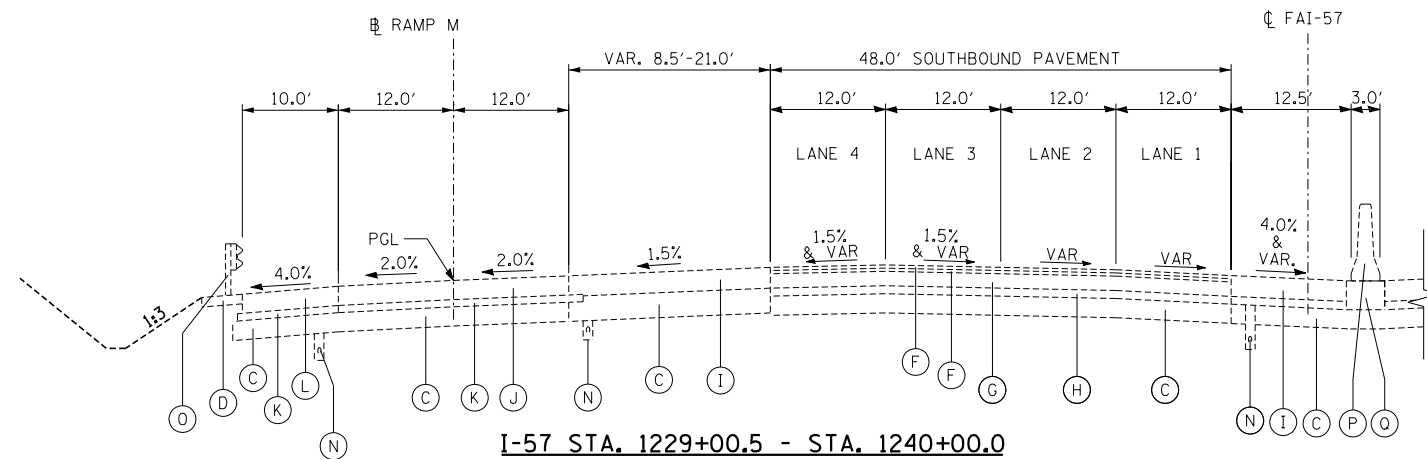
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
EXISTING TYPICAL SECTIONS

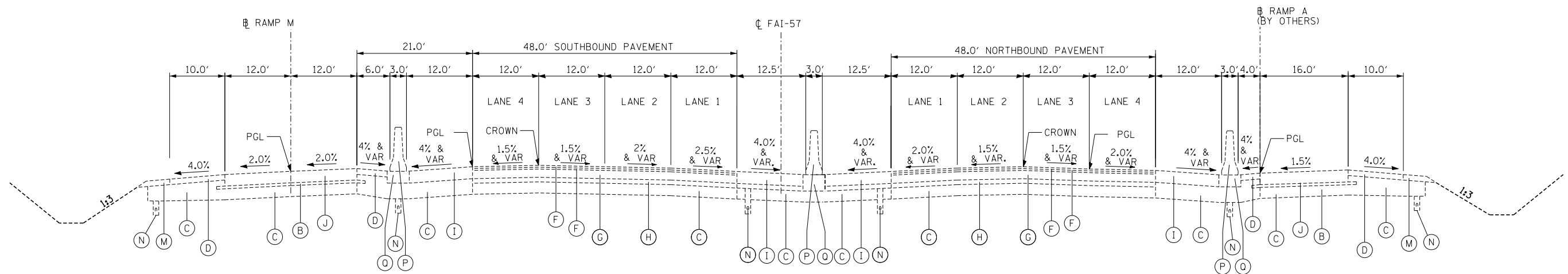
SHEET TYPEX-01
29 OF 606

EXISTING LEGEND

- (A) EXISTING CRC PAVEMENT, 12"±
- (B) EXISTING STABILIZED SUB-BASE, 3"±
- (C) EXISTING AGGREGATE SUBGRADE, 12"± (VAR. UNDER SHOULDERS)
- (D) EXISTING HOT-MIX ASPHALT SHOULDER, 6"±
- (E) EXISTING HOT-MIX ASPHALT SHOULDER, 9"±
- (F) EXISTING HOT-MIX ASPHALT, 2"±
- (G) EXISTING CRC PAVEMENT, 9"±
- (H) EXISTING STABILIZED SUB-BASE, 4"±
- (I) EXISTING HOT-MIX ASPHALT SHOULDER, 13"±
- (J) EXISTING PCC PAVEMENT, 12"±
- (K) EXISTING STABILIZED SUB-BASE, 4 1/2"±
- (L) EXISTING PCC SHOULDER, 12"±
- (M) EXISTING AGGREGATE SHOULDER, 6"±
- (N) EXISTING PIPE UNDERDRAIN, 6"
- (O) EXISTING GUARDRAIL
- (P) EXISTING CONCRETE MEDIAN BARRIER
- (Q) EXISTING CONCRETE MEDIAN BARRIER BASE



I-57 STA. 1229+00.5 - STA. 1240+00.0



I-57 STA. STA. 1240+00.0 - STA. 1251+50.0

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 2/12/2020

DRAWN BY . . . DPB
 CHECKED BY . . . BEC

DATE . . . 4-3-2020
 SCALE . . . NONE

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 EXISTING TYPICAL SECTIONS

SHEET TYPEX-02

30 OF 606

EXISTING LEGEND

- (A) EXISTING CRC PAVEMENT, 12"±
- (B) EXISTING STABILIZED SUB-BASE, 3"±
- (C) EXISTING AGGREGATE SUBGRADE, 12"± (VAR. UNDER SHOULDERS)
- (D) EXISTING HOT-MIX ASPHALT SHOULDER, 6"±
- (E) EXISTING HOT-MIX ASPHALT SHOULDER, 9"±
- (F) EXISTING HOT-MIX ASPHALT, 2"±
- (G) EXISTING CRC PAVEMENT, 9"±
- (H) EXISTING STABILIZED SUB-BASE, 4"±
- (I) EXISTING HOT-MIX ASPHALT SHOULDER, 13"±
- (J) EXISTING PCC PAVEMENT, 12"±
- (K) EXISTING STABILIZED SUB-BASE, 4 1/2"±
- (L) EXISTING PCC SHOULDER, 12"±
- (M) EXISTING AGGREGATE SHOULDER, 6"±
- (N) EXISTING PIPE UNDERDRAIN, 6"
- (O) EXISTING GUARDRAIL
- (P) EXISTING CONCRETE MEDIAN BARRIER
- (Q) EXISTING CONCRETE MEDIAN BARRIER BASE

PROPOSED LEGEND

- (1) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED) (42000521)
- (2) STABILIZED SUBBASE - HMA, 4 1/2" (31200502)
- (3) AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112) (DEPTH VARIES IN SHOULDER AREAS)
- (4) PORTLAND CEMENT CONCRETE SHOULDERS, 11" (48300600)
- (5) GALVANIZED STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (J1630004)
- (6) CONTINUOUSLY REINFORCED PCC PAVEMENT 12" (42100340) AND PAVEMENT REINFORCEMENT (12 IN) (JT421960) USE 0.80% OF STEEL REINFORCEMENT
- (7) STABILIZED SUBBASE - WMA, 3" (J1312022)
- (8) SUBGRADE AGGREGATE 12 IN. (JT211A11) (THICKNESS VARIES UNDER SHOULDER)
- (9) WARM-MIX ASPHALT SHOULDERS (6 IN.) (J1482104)
- (10) WARM-MIX ASPHALT SHOULDERS (9 IN.) (J1482112)
- (11) AGGREGATE SHOULDERS, TYPE B 6" (48101500)
- (12) GUARDRAIL STABILIZATION, PAID FOR AS HOT-MIX ASPHALT SHOULDERS, 6" (48203021)
- (13) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)
- (14) PIPE UNDERDRAINS 6" (60107700)
- (15) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (63000003)
- (16) TOPSOIL AND SEEDING (SEE PLANS)
- (17) AGGREGATE SHOULDERS, SPECIAL, TYPE C (J1481070)
- (18) SUBGRADE FILTER FABRIC (J1282010)
- (19) CHEMICALLY STABILIZED SUBGRADE, 9" (JT900580)
- (20) CONCRETE BARRIER AND BASE (SEE PLANS FOR TYPES)

IDOT HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AIR VOIDS @ Ndes	OMP
MAINLINE PAVEMENT		
STABILIZED SUBBASE HOT-MIX ASPHALT (4-1/2") (HMA BINDER IL-19 mm)	3% @ 50 Gyr.	QC/OA
HOT-MIX ASPHALT SHOULDERS, 13"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 (1-1/2")	4% @ 70 Gyr.	QC/OA
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (1-1/2")	4% @ 70 Gyr.	QC/OA
GUARDRAIL STABILIZATION (PAID FOR AS HMA SHOULDER, 6")		
HOT-MIX ASPHALT BINDER, IL-19.0, N70 (6")	4% @ 70 Gyr.	QC/OA

OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA)

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SQ YD/IN.

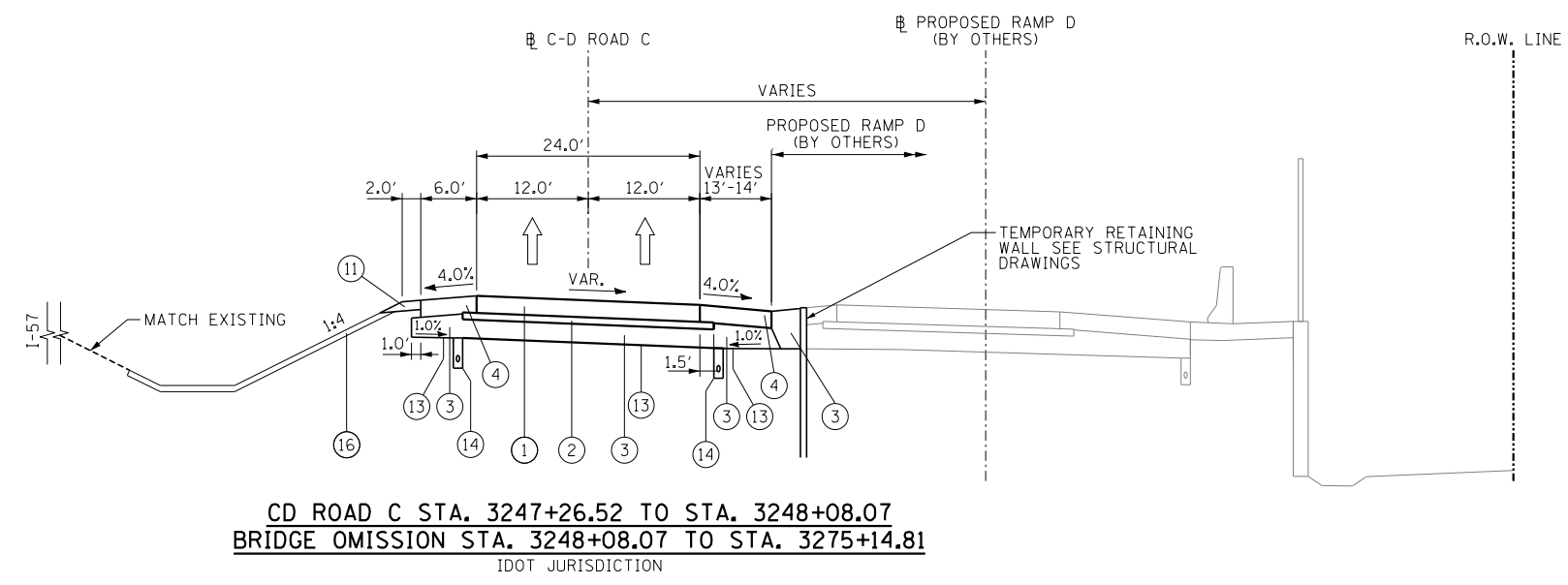
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

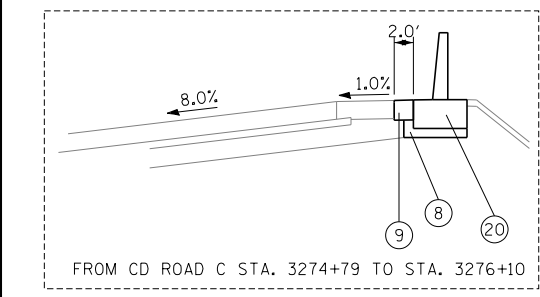
QUALITY MANAGEMENT PROGRAM (OMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

ADDITIONAL UNDERCUT:

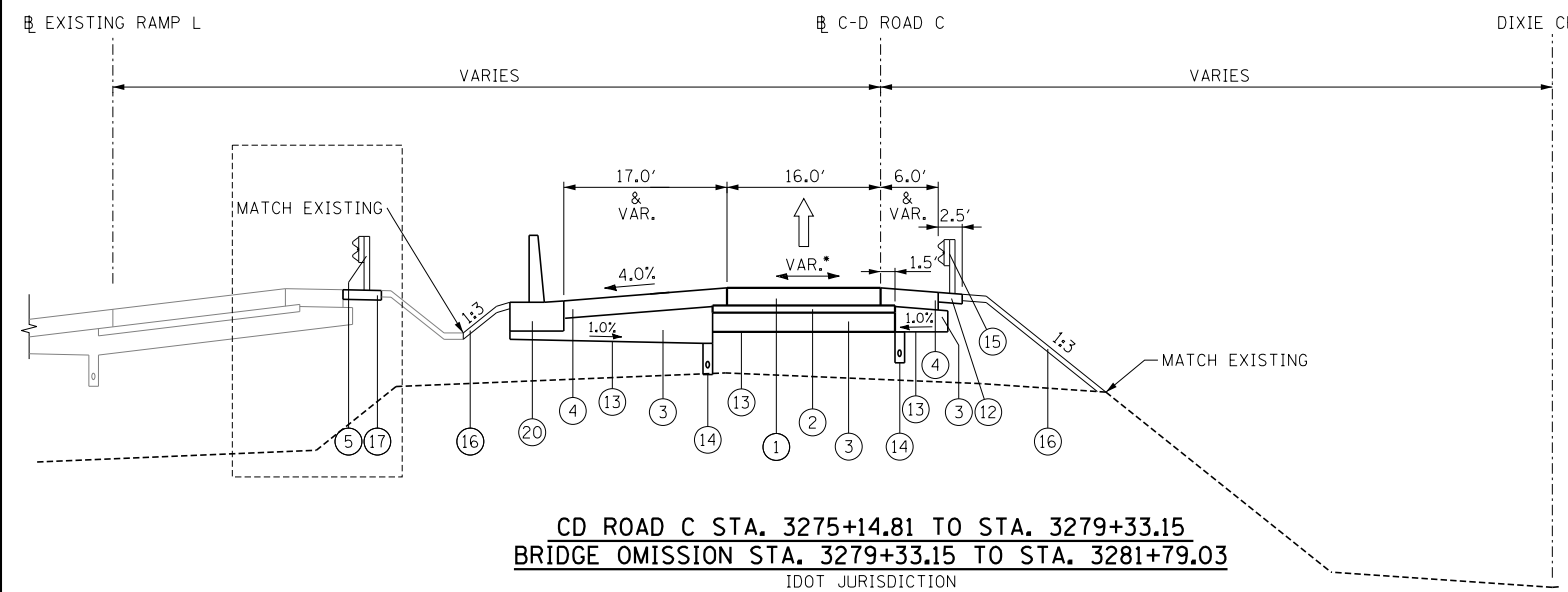
"AGGREGATE SUBGRADE IMPROVEMENT" (ASI) IS RECOMMENDED FOR USE UNDER THE PROPOSED PAVEMENT AT LOCATIONS WITH SOILS THAT ARE UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSUITABLE SOILS SHALL BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSUITABLE MATERIALS ARE ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI AS DETERMINED BY THE ENGINEER. A QUANTITY OF 500 CY IS INCLUDED IN THE CONTRACT FOR THIS PURPOSE. IF UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.



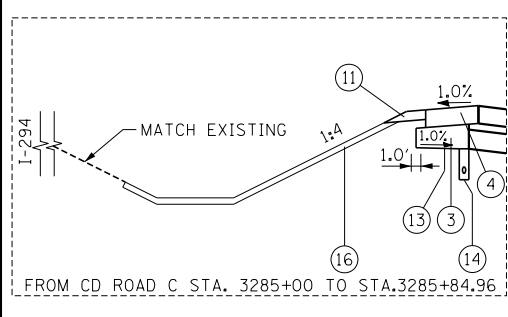
CD ROAD C STA. 3247+26.52 TO STA. 3248+08.07
BRIDGE OMISSION STA. 3248+08.07 TO STA. 3275+14.81
 IDOT JURISDICTION



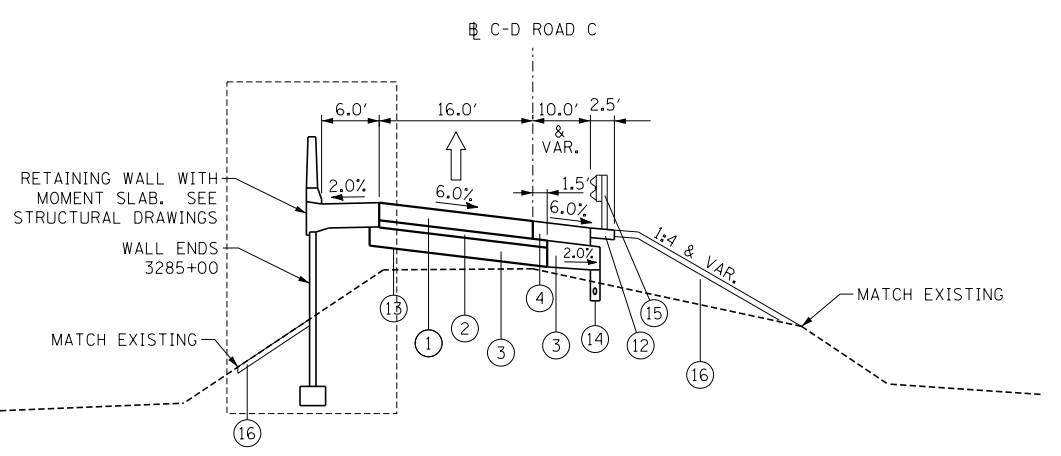
FROM CD ROAD C STA. 3274+79 TO STA. 3276+10



CD ROAD C STA. 3275+14.81 TO STA. 3279+33.15
BRIDGE OMISSION STA. 3279+33.15 TO STA. 3281+79.03
 IDOT JURISDICTION



FROM CD ROAD C STA. 3285+00 TO STA. 3285+84.96



CD ROAD C STA. 3281+79.03 TO STA. 3285+89.23
 IDOT JURISDICTION

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DRAWN BY *DPB* DATE *4-3-2020*
 CHECKED BY *BEC* SCALE *NONE*

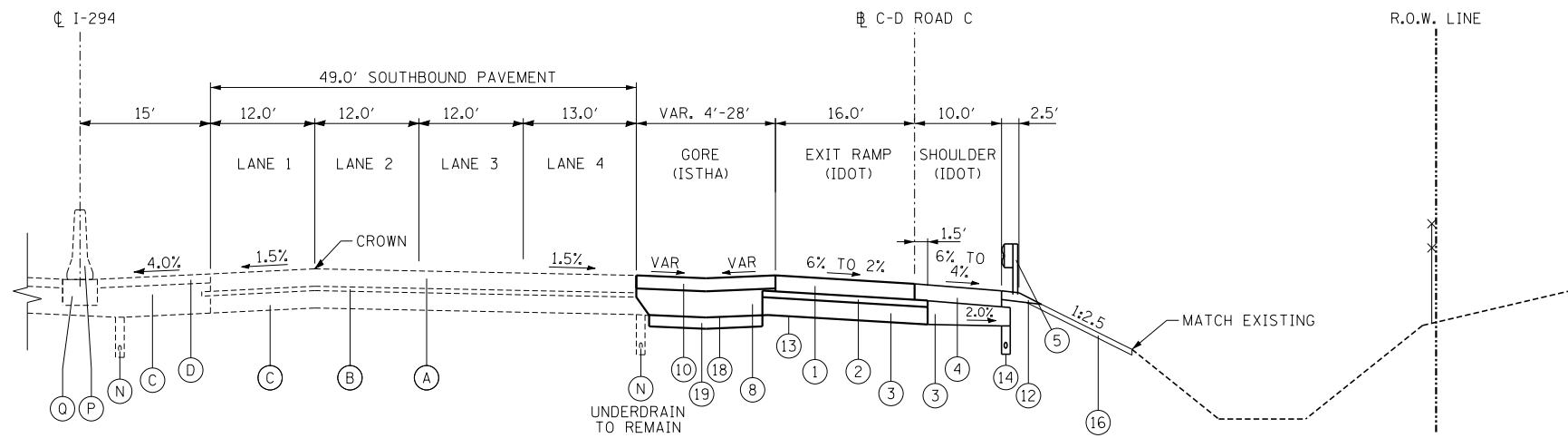
TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

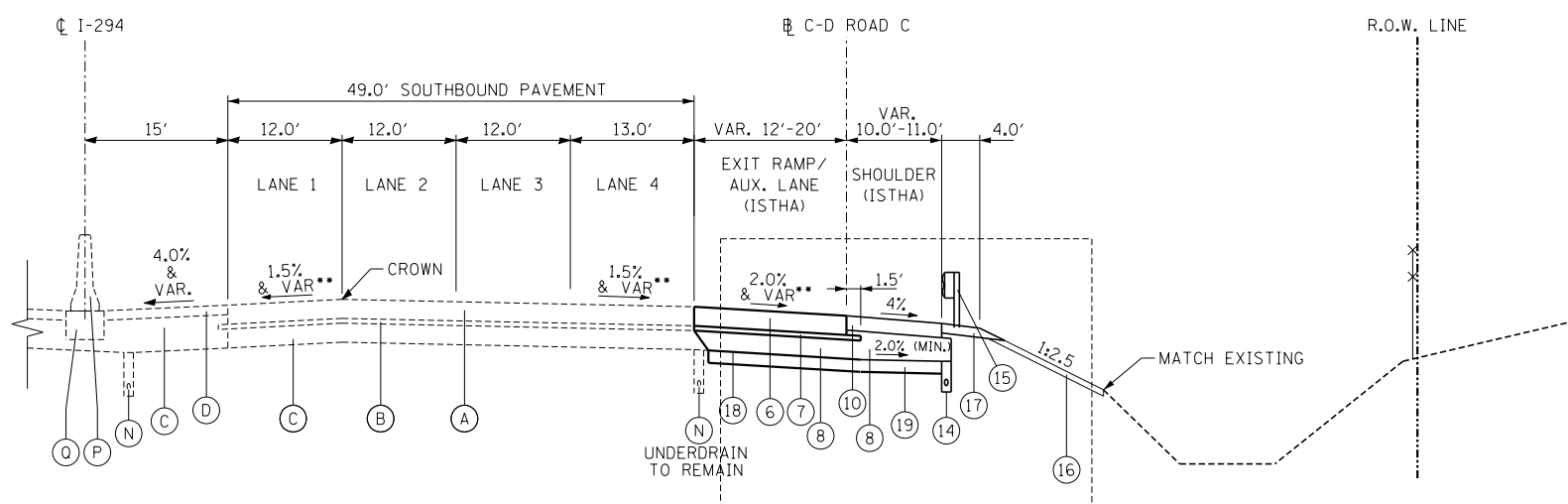
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT **I-19-4495** SHEET **TPS-01**
I-57 AT 294 RAMPS C AND F2
PROPOSED TYPICAL SECTIONS **31** OF **606**



CD ROAD C STA. 3285+89.23 TO STA. 3288+39.73
I-294 STA. 390+88.24 TO STA. 387+80.26

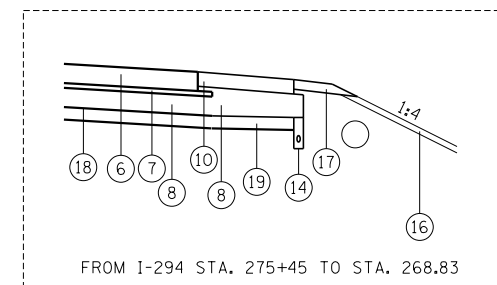
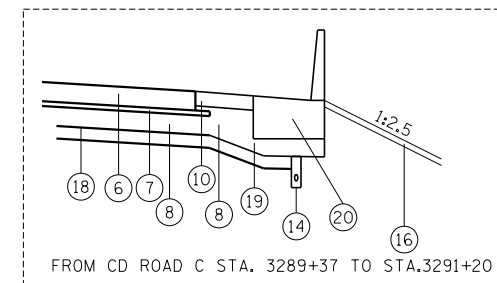
SHARED JURISDICTION



CD ROAD C STA. 3288+39.73 TO STA. 3293+39.67
I-294 STA. 387+80.26 TO STA. 364+92.85 (LOOKING SOUTH)

ISTHA JURISDICTION

**I-294 PAVEMENT IS SUPERELEVATED (MAX. 2.7%) AT STA. 376+05 & SOUTH



ADDITIONAL UNDERCUT:

"AGGREGATE SUBGRADE IMPROVEMENT" (ASI) IS RECOMMENDED FOR USE UNDER THE PROPOSED PAVEMENT AT LOCATIONS WITH SOILS THAT ARE UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSUITABLE SOILS SHALL BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSUITABLE MATERIALS ARE ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI AS DETERMINED BY THE ENGINEER. A QUANTITY OF 500 CY IS INCLUDED IN THE CONTRACT FOR THIS PURPOSE. IF UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)
 QUANTITIES OF STABILIZED SUBBASE MIXES ARE BASED ON THE UNIT WEIGHT OF 115.0 LB/SQ YD/IN.
 QUANTITIES OF ALL OTHER WARM MIX ASPHALT MIXES ARE BASED ON THE UNIT WEIGHT OF 112.0 LB/SQ YD/IN.

EXISTING LEGEND

- (A) EXISTING CRC PAVEMENT, 12"±
- (B) EXISTING STABILIZED SUB-BASE, 3"±
- (C) EXISTING AGGREGATE SUBGRADE, 12"± (VAR. UNDER SHOULDERS)
- (D) EXISTING HOT-MIX ASPHALT SHOULDER, 6"±
- (E) EXISTING HOT-MIX ASPHALT SHOULDER, 9"±
- (F) EXISTING HOT-MIX ASPHALT, 2"±
- (G) EXISTING CRC PAVEMENT, 9"±
- (H) EXISTING STABILIZED SUB-BASE, 4"±
- (I) EXISTING HOT-MIX ASPHALT SHOULDER, 13"±
- (J) EXISTING PCC PAVEMENT, 12"±
- (K) EXISTING STABILIZED SUB-BASE, 4 1/2"±
- (L) EXISTING PCC SHOULDER, 12"±
- (M) EXISTING AGGREGATE SHOULDER, 6"±
- (N) EXISTING PIPE UNDERDRAIN, 6"
- (O) EXISTING GUARDRAIL
- (P) EXISTING CONCRETE MEDIAN BARRIER
- (Q) EXISTING CONCRETE MEDIAN BARRIER BASE

PROPOSED LEGEND

- (1) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED) (42000521)
- (2) STABILIZED SUBBASE - HMA, 4 1/2" (31200502)
- (3) AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112) (DEPTH VARIES IN SHOULDER AREAS)
- (4) PORTLAND CEMENT CONCRETE SHOULDERS, 11" (48300600)
- (5) GALVANIZED STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (J630004)
- (6) CONTINUOUSLY REINFORCED PCC PAVEMENT 12" (42100340) AND PAVEMENT REINFORCEMENT (12 IN. (JT421960) USE 0.80% OF STEEL REINFORCEMENT
- (7) STABILIZED SUBBASE - WMA, 3" (J1312022)
- (8) SUBGRADE AGGREGATE 12 IN. (JT211A11) (THICKNESS VARIES UNDER SHOULDER)
- (9) WARM-MIX ASPHALT SHOULDERS (6 IN.) (J1482104)
- (10) WARM-MIX ASPHALT SHOULDERS (9 IN.) (J1482112)
- (11) AGGREGATE SHOULDERS, TYPE B 6" (48101500)
- (12) GUARDRAIL STABILIZATION, PAID FOR AS HOT-MIX ASPHALT SHOULDERS, 6" (48203021)
- (13) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)
- (14) PIPE UNDERDRAINS 6" (60107700)
- (15) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (63000003)
- (16) TOPSOIL AND SEEDING (SEE PLANS)
- (17) AGGREGATE SHOULDERS, SPECIAL, TYPE C (J1481070)
- (18) SUBGRADE FILTER FABRIC (J1282010)
- (19) CHEMICALLY STABILIZED SUBGRADE, 9" (JT900580)
- (20) CONCRETE BARRIER AND BASE (SEE PLANS FOR TYPES)

NOTES

1. REFER TO PAVEMENT JOINTING AND ELEVATION PLANS FOR THE DESCRIPTIONS AND DETAILS OF PAVEMENT JOINTS.
2. AGGREGATE SUBGRADE IMPROVEMENTS 12" SHALL CONSIST OF A COMBINATION OF 3" CA-6 AGGREGATE CAP AND 9" POROUS GRANULAR EMBANKMENT. THE DEPTH OF THE CA-6 CAP SHALL VARY IN SHOULDER AREAS AND SHALL BE INCLUDED IN THE SQUARE YARD UNIT COST.
3. THE MINIMUM AGGREGATE SLOPE TO UNDERDRAINS SHALL BE 0.5%. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
4. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
5. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLE AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.
6. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.

WARM-MIX ASPHALT TABLE							
LOCATION	OPERATIONS	CODE #	ITEM	UNIT	VOIDS	TYPICAL THICKNESS	MIX TYPE
AS INDICATED BY DESIGN	STABILIZED SUBBASE	J1312022	STABILIZED SUBBASE - WMA 3"	SO YD	2% @ 50 GYR.	3"	WMA BINDER COURSE, IL-19.0, N50
	CONSTRUCTION OF WMA SHOULDERS	J1482104	WARM MIX ASPHALT SHOULDERS (6 IN.)	SO YD	3% @ 50 GYR.	2"	WMA SURFACE COURSE, IL-9.5, MIX D, N70
					4% @ 70 GYR.	4"	WMA BINDER COURSE, IL-19.0, N50
	CONSTRUCTION OF WMA SHOULDERS	J1482112	WARM MIX ASPHALT SHOULDERS (9 IN.)	SO YD	3% @ 50 GYR.	2"	WMA SURFACE COURSE, IL-9.5, MIX D, N70
					2% @ 50 GYR.	7" (2 EQUAL LIFTS)	WMA BINDER COURSE, IL-19.0, N50

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DATE . . . 4-3-2020
 SCALE . . . NONE

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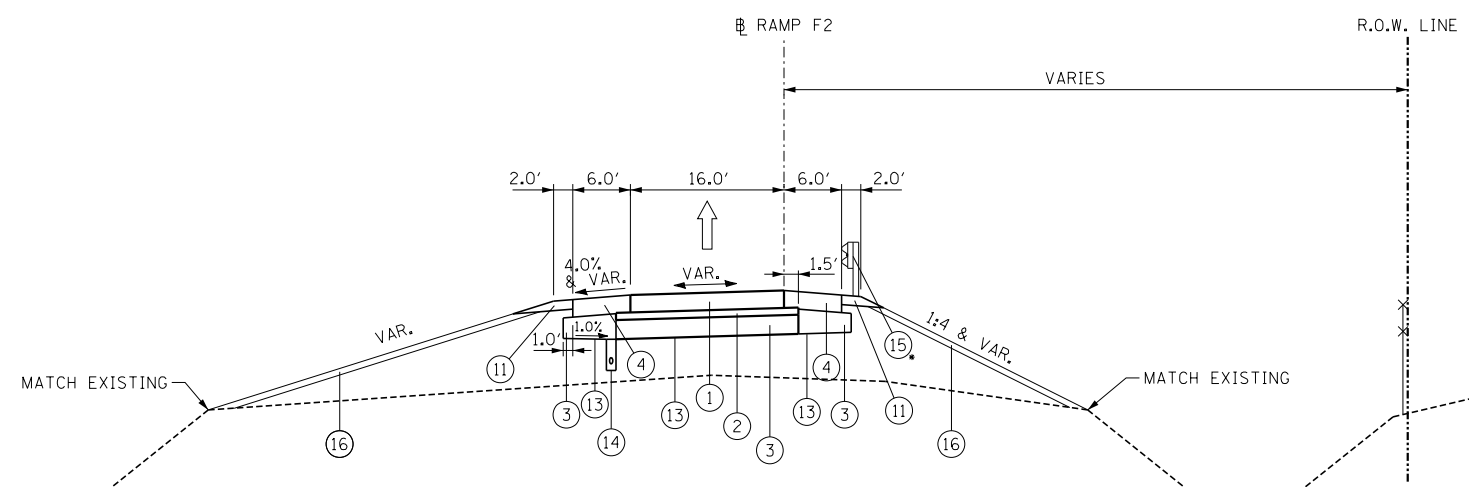


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PROPOSED TYPICAL SECTIONS

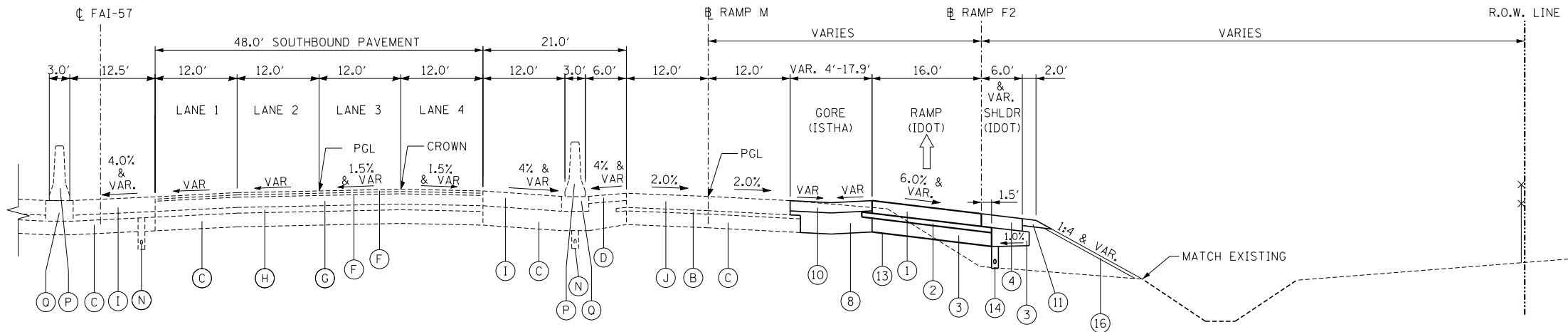
SHEET TYP-02
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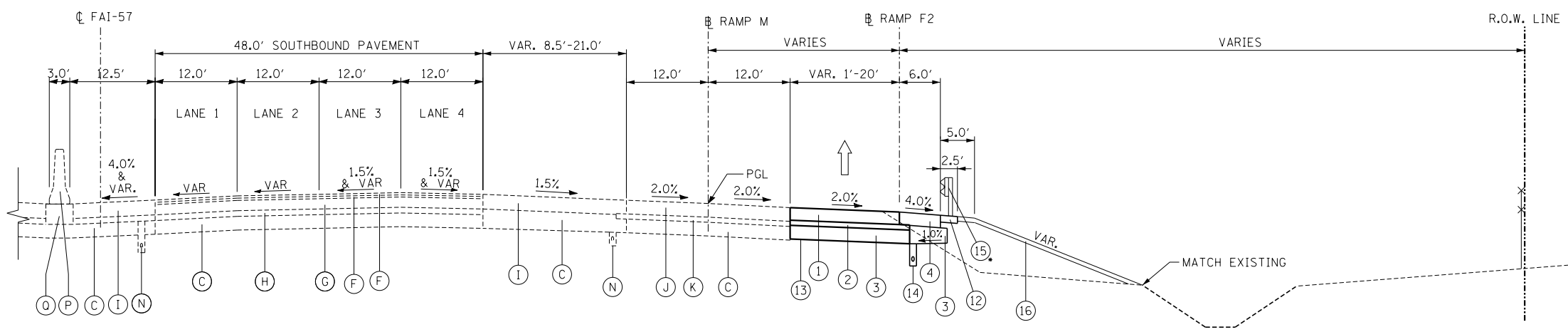
RAMP F2 STA. 5009+14.35 TO STA. 5014+10.20
BRIDGE OMISSION STA. 5006+04.63 TO STA. 5009+14.35
 FROM STA. 5011+61.45 TO STA. 5013+75.17
 IDOT JURISDICTION

ADDITIONAL UNDERCUT:
 "AGGREGATE SUBGRADE IMPROVEMENT" (ASI) IS RECOMMENDED FOR USE UNDER THE PROPOSED PAVEMENT AT LOCATIONS WITH SOILS THAT ARE UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSUITABLE SOILS SHALL BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSUITABLE MATERIALS ARE ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI AS DETERMINED BY THE ENGINEER. A QUANTITY OF 500 CY IS INCLUDED IN THE CONTRACT FOR THIS PURPOSE. IF UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

- EXISTING LEGEND**
- (A) EXISTING CRC PAVEMENT, 12"±
 - (B) EXISTING STABILIZED SUB-BASE, 3"±
 - (C) EXISTING AGGREGATE SUBGRADE, 12"± (VAR. UNDER SHOULDERS)
 - (D) EXISTING HOT-MIX ASPHALT SHOULDER, 6"±
 - (E) EXISTING HOT-MIX ASPHALT SHOULDER, 9"±
 - (F) EXISTING HOT-MIX ASPHALT, 2"±
 - (G) EXISTING CRC PAVEMENT, 9"±
 - (H) EXISTING STABILIZED SUB-BASE, 4"±
 - (I) EXISTING HOT-MIX ASPHALT SHOULDER, 13"±
 - (J) EXISTING PCC PAVEMENT, 12"±
 - (K) EXISTING STABILIZED SUB-BASE, 4 1/2"±
 - (L) EXISTING PCC SHOULDER, 12"±
 - (M) EXISTING AGGREGATE SHOULDER, 6"±
 - (N) EXISTING PIPE UNDERDRAIN, 6"
 - (O) EXISTING GUARDRAIL
 - (P) EXISTING CONCRETE MEDIAN BARRIER
 - (Q) EXISTING CONCRETE MEDIAN BARRIER BASE



RAMP F2 STA. 5014+10.20 TO STA. 5017+03.66
 IDOT JURISDICTION



RAMP F2 STA. 5017+03.66 TO STA. 5026+54.19
 FROM STA. 5023+71.43 TO STA. 5026+58.84
 IDOT JURISDICTION

- PROPOSED LEGEND**
- (1) PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED) (42000521)
 - (2) STABILIZED SUBBASE - HMA, 4 1/2" (31200502)
 - (3) AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112) (DEPTH VARIES IN SHOULDER AREAS)
 - (4) PORTLAND CEMENT CONCRETE SHOULDERS, 11" (48300600)
 - (5) GALVANIZED STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (J1630004)
 - (6) CONTINUOUSLY REINFORCED PCC PAVEMENT 12" (42100340) AND PAVEMENT REINFORCEMENT (12 IN) (JT421960) USE 0.80% OF STEEL REINFORCEMENT
 - (7) STABILIZED SUBBASE - WMA, 3" (J1312022)
 - (8) SUBGRADE AGGREGATE 12 IN. (JT211A11) (THICKNESS VARIES UNDER SHOULDER)
 - (9) WARM-MIX ASPHALT SHOULDERS (6 IN.) (J1482104)
 - (10) WARM-MIX ASPHALT SHOULDERS (9 IN.) (J1482112)
 - (11) AGGREGATE SHOULDERS, TYPE B 6" (48101500)
 - (12) GUARDRAIL STABILIZATION, PAID FOR AS HOT-MIX ASPHALT SHOULDERS, 6" (48203021)
 - (13) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (21001000)
 - (14) PIPE UNDERDRAINS 6" (60107700)
 - (15) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (63000003)
 - (16) TOPSOIL AND SEEDING (SEE PLANS)
 - (17) AGGREGATE SHOULDERS, SPECIAL, TYPE C (J1481070)
 - (18) SUBGRADE FILTER FABRIC (J1282010)
 - (19) CHEMICALLY STABILIZED SUBGRADE, 9" (JT900580)
 - (20) CONCRETE BARRIER AND BASE (SEE PLANS FOR TYPES)

- NOTES**
1. REFER TO PAVEMENT JOINTING AND ELEVATION PLANS FOR THE DESCRIPTIONS AND DETAILS OF PAVEMENT JOINTS.
 2. AGGREGATE SUBGRADE IMPROVEMENTS 12" SHALL CONSIST OF A COMBINATION OF 3" CA-6 AGGREGATE CAP AND 9" POROUS GRANULAR EMBANKMENT. THE DEPTH OF THE CA-6 CAP SHALL VARY IN SHOULDER AREAS AND SHALL BE INCLUDED IN THE SQUARE YARD UNIT COST.
 3. THE MINIMUM AGGREGATE SLOPE TO UNDERDRAINS SHALL BE 0.5%. PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.
 4. THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
 5. ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLE AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.
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 DATE . . . 4-3-2020
 SCALE . . . NONE

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PROPOSED TYPICAL SECTIONS

SHEET TYP-03
33 OF 606

EXISTING LEGEND

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PROPOSED LEGEND

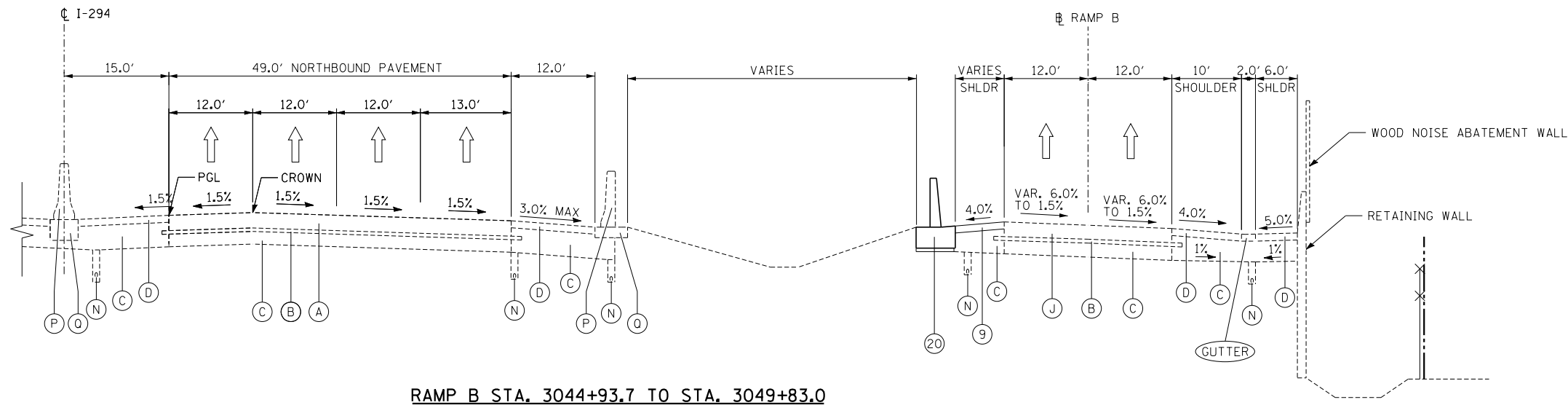
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RAMP B STA. 3044+93.7 TO STA. 3049+83.0

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DATE . . . 4-3-2020
SCALE . . . NONE

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
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CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PROPOSED TYPICAL SECTIONS

SHEET TYP-04
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MAINTENANCE OF TRAFFIC GENERAL NOTES:

1. IF AN ALTERNATE TRAFFIC PATTERN IS REQUIRED WITHIN THE CONTRACT, THE CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC DEVIATION PLAN, 21 DAYS PRIOR OF THE CHANGES FOR APPROVAL BY THE TOLLWAY. IN ADDITION, THE CONTRACTOR IS REQUIRED TO ATTEND MAINTENANCE OF TRAFFIC MEETING ARRANGED BY THE TOLLWAY CONSTRUCTION MANAGER WITH REPRESENTATIVES OF THE TOLLWAY TO REVIEW THE PROPOSED CHANGES IN THE MAINTENANCE OF TRAFFIC 2 DAYS PRIOR TO THE IMPLEMENTATION OF THE NEW MAINTENANCE OF TRAFFIC CHANGES.
2. A WORK ZONE SPEED LIMIT OF 55 M.P.H. MUST BE MAINTAINED ON I-57. WORK ZONE SPEED LIMITS ON I-294 MUST BE MAINTAINED AS NOTED ON PLANS. A WORK ZONE SPEED LIMIT OF 45 M.P.H. MUST BE MAINTAINED ON I-57 WITHIN WEAVE WHILE IN PLACE AND DURING NIGHT TIME LANE CLOSURES.
3. SEE SPECIAL PROVISIONS TITLED TRAFFIC CONTROL AND PROTECTION (SPECIAL) AND TRAFFIC CONTROL AND PROTECTION (EXPRESSWAY).
4. AGENCY JURISDICTION:

INTERSTATE 294 (I-294) AND RAMP D ARE UNDER THE JURISDICTION OF THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY (ISTHA)

INTERSTATE 57 (I-57), RAMP C, RAMP F2, AND C-D ROAD C ARE UNDER JURISDICTION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT).
5. TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND WITHIN THIRTY (30) MINUTES FROM THE TIME OF NOTIFICATION BY THE ENGINEER TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION, IMPROVEMENT OR MODIFICATION OF THE MAINTENANCE OF TRAFFIC CONTROL DEVICES. FAILURE TO RESPOND WITHIN THE ABOVE TIME LIMIT WILL RESULT IN A PENALTY, PER SECTION 701 OF THE TOLLWAY SUPPLEMENTAL SPECIFICATIONS, WHENEVER THE ENGINEER DETERMINES THE CONTRACTOR OR HIS SUBCONTRACTOR HAS NOT COMPLIED.
6. COORDINATION OF MAINTENANCE OF TRAFFIC OF THIS PROJECT (INCLUDING ANY DETOURS): THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO THE FACT THAT OTHER SEPARATE CONTRACTS ARE, OR MAY BE, IN FORCE THAT INTERSECT THE LIMITS OF THIS PROJECT. THE CONTRACTOR SHALL COOPERATE WITH THE OTHER CONTRACTORS IN THE PHASING AND PERFORMANCE OF THIS WORK SO AS NOT TO DELAY, INTERRUPT, OR HINDER THE PROCESS OF COMPLETION OF THE WORK BEING PERFORMED BY THE OTHER CONTRACTORS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR COMPLIANCE WITH THE ABOVE REQUIREMENTS, NOR FOR ANY DELAYS OR INCONVENIENCES RESULTING FROM THE ACTIVITIES OF OTHER CONTRACTORS. SHOULD A CONFLICT ARISE BETWEEN THE CONTRACTORS WITH RESPECT TO SEQUENCE OF CONSTRUCTION OR MAINTENANCE OF TRAFFIC (INCLUDING DETOURS) REQUIREMENTS, SAID CONFLICTS SHALL BE RESOLVED BY, OR AT THE DIRECTION OF THE ENGINEER.
7. ALL TRAFFIC CONTROL DEVICES IMMEDIATELY ADJACENT TO THE EDGE OF TRAVELED WAY SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS.
8. MILEAGE POST SIGNING WILL ALWAYS BE ERECTED FOR THE DURATION OF THE CONSTRUCTION. ALL EXISTING MILEAGE POST SIGNING SHALL BE MAINTAINED IN PLACE UNTIL RELOCATED.
9. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ADJACENT TRAFFIC LANES, WHICH ARE OPEN TO TRAFFIC, FROM DEBRIS BEING BLOWN OR OTHERWISE REMOVED FROM THE CONSTRUCTION AREAS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR KEEPING DEBRIS OFF OF THE ADJACENT TRAVELED LANE SURFACE.
10. TYPE II BARRICADES OR DRUMS SHALL BE USED WITH A MONO-DIRECTIONAL STEADY BURNING LIGHT UNLESS OTHERWISE NOTED. (ISTHA JURISDICTION ONLY). FOR IDOT JURISDICTION, REFER TO THE SPECIAL PROVISION "LIGHTS ON BARRICADES" AND PLANS FOR REQUIRED LIGHTS. A MINIMUM (ONE) 1-FOOT SHY DISTANCE BETWEEN THE BARRICADE AND THE OUTSIDE EDGE OF THE TEMPORARY PAVEMENT MARKING SHALL BE PROVIDED THROUGHOUT. SPACING SHALL BE AT (ONE HUNDRED) 50-FOOT CENTERS WITH THE FOLLOWING EXCEPTIONS:
 - A. TAPER AND LANE SHIFT BARRICADES SHALL BE SPACED AT (FIFTY) 25-FOOT CENTERS.
 - B. BARRICADES ON ALL RAMPS SHALL BE SPACED AT (TWENTY FIVE) 25-FOOT CENTERS.
 - C. BARRICADES AT ENTRANCE AND EXIT RAMP GORE AREAS AND MERGE TAPERS SHALL BE SPACED AT (TWENTY-FIVE) 25-FOOT CENTERS.
11. OPENING THROUGH THE BARRIER FOR CONTRACTOR'S ACCESS TO WORK ZONE WILL BE PROVIDED AS APPROVED BY THE ENGINEER. SEE 'WORK ZONE ENTRANCE DETAIL' SHEET.
12. FOR TOLLWAY AND IDOT JURISDICTION, PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR TEMPORARY STRIPING ON EXISTING AND FINISHED SURFACES UNTIL PERMANENT STRIPING IS COMPLETE. FOR PAVEMENT MARKINGS TO BE LEFT IN PLACE FROM DECEMBER 1 TO APRIL 1, CONTRACTOR WILL REMOVE AND REPLACE ALL PAVEMENT MARKING TAPE WITH TEMPORARY EPOXY PAVEMENT MARKINGS.
13. ANY RAISED REFLECTIVE PAVEMENT MARKINGS THAT CONFLICT WITH THE TEMPORARY TRAFFIC LANES MUST HAVE THE REFLECTIVE LENSES REMOVED AS DIRECTED BY THE RESIDENT ENGINEER.

MAINTENANCE OF TRAFFIC GENERAL NOTES (CONT.):

14. THE FOLLOWING SHALL APPLY TO CONSTRUCTION SIGNS:
 - A. THE CONTRACTOR SHALL FURNISH ALL STANDARD SIGNS.
 - B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND SHALL REPLACE ANY SIGNS THAT ARE SUPPLIED BY OTHERS AND DAMAGED BY THE CONTRACTOR'S WORK FORCE OR BY ANY SUB-CONTRACTOR DURING RELOCATION OR CONSTRUCTION OPERATION.
 - C. ALL SIGNS FURNISHED BY THE TOLLWAY SHALL BE OBTAINED BY THE CONTRACTOR FROM THE TOLLWAY'S SIGN SHOP IN NAPERVILLE, ILLINOIS.
 - D. THE CONTRACTOR SHALL RETURN ALL SIGNS FURNISHED BY THE TOLLWAY TO THE TOLLWAY'S SIGN SHOP IN NAPERVILLE, ILLINOIS AFTER WORK IS COMPLETE.
 - E. ALL SIGNS SHALL BE BOLTED TO SIGN SUPPORTS UNLESS OTHERWISE NOTED.
 - F. ALL SIGNS SHALL BE POST-MOUNTED UNLESS THE SIGNS ARE LOCATED ON THE PAVEMENT OR DEFINE A MOVING INTERMITTENT OPERATION. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO ENSURE THE SUPPORT SIGN BASES ARE PROPERLY WEIGHTED FOR EXISTING WIND CONDITIONS. THE TOLLWAY AND THE CONSTRUCTION MANAGER (CM) SHALL BE HELD HARMLESS FOR THE NEGLIGENCE ON THE PART OF THE CONTRACTOR IN ADHERING TO THIS DIRECTIVE.
 - G. THE CONTRACTOR WILL BE ALLOWED TO USE TEMPORARY SIGN SUPPORTS THAT MEET THE TOLLWAY SUPPLEMENTAL SPECIFICATIONS, ARTICLE 701.03. THE ENGINEER SHALL APPROVE ALL TEMPORARY SIGN SUPPORTS.
 - H. ALL SIGNS AND ASSEMBLIES SHALL BE CERTIFIED BY THE CONTRACTOR AS MEETING THE APPLICABLE REQUIREMENTS OF NCHRP REPORT 350, TEST LEVEL 3. SIGNS FOR THE STATE ROUTES SHALL FOLLOW THE LATEST IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ITS MOST RECENT SUPPLEMENTAL SPECIFICATIONS.
 - I. ALL TEMPORARY SIGNS ALONG I-57 SHALL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS) PAY ITEM X7011015, EXCEPT FOR TEMPORARY INFORMATIONAL SIGNING AS NOTED ON THE PLANS.
15. TEMPORARY, OFF-PEAK HOUR LANE CLOSURES MUST BE REQUESTED THROUGH THE ENGINEER AND AS SPECIFIED IN THE SPECIAL PROVISIONS. WHEN OFF-PEAK HOURS OR WEEKEND CLOSURES ARE REQUIRED, A PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE INSTALLED IN ACCORDANCE WITH THE TOLLWAY SUPPLEMENTAL SPECIFICATIONS TO PROVIDE ADVANCED PUBLIC NOTIFICATION AS REQUIRED BY THE TOLLWAY. THE WORDING AND LOCATION SHALL BE APPROVED BY THE ENGINEER.
16. ALL TRAFFIC CONTROL DEVICES REQUIRED TO PROVIDE MAINTENANCE OF TRAFFIC DURING CONSTRUCTION SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR. THE TRAFFIC CONTROL DEVICES SHALL MEET THE REQUIREMENTS OF STANDARD SPECIFICATIONS AND SHALL REMAIN VISIBLE DURING ALL STAGES OF CONSTRUCTION.
17. EMERGENCY PAVEMENT AND SHOULDER MAINTENANCE REPAIRS: AFTER THE INITIAL REPAIRS HAVE BEEN APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL MAKE ALL REQUIRED REPAIRS, INCLUDING POTHOLE PATCHING, TEMPORARY TRAFFIC CONTROL, AND OTHERS AS DIRECTED BY THE ENGINEER. EMERGENCY MAINTENANCE REPAIRS SHALL BE PAID FOR IN ACCORDANCE WITH THE TOLLWAY SUPPLEMENTAL SPECIFICATIONS, SECTION 109.04, PAYMENT FOR EXTRA WORK.
18. THE FOLLOWING IS A LIST OF MAINTENANCE OF TRAFFIC ASSORTED ITEMS FOR WHICH NOMINAL QUANTITIES HAVE BEEN PROVIDED:
JT701030 - SUPPLEMENTAL BARRICADE
JT701031 - SUPPLEMENTAL SIGNING
JT701032 - SUPPLEMENTAL FLASHING ARROW BOARD (PER DAY)
JT701033 - SUPPLEMENTAL FLASHING ARROW BOARD (PER WEEK)
JT701034 - SUPPLEMENTAL FLASHING ARROW BOARD (PER MONTH)
JT701035 - SUPPLEMENTAL MAINTENANCE OF TRAFFIC
JT701200 - PORTABLE CHANGEABLE MESSAGE SIGN (PER DAY)
JT701210 - PORTABLE CHANGEABLE MESSAGE SIGN (PER WEEK)
JT701220 - PORTABLE CHANGEABLE MESSAGE SIGN (PER MONTH)
19. TRAILER MOUNTED FULL MATRIX PORTABLE CHANGEABLE MESSAGE SIGNS ARE TO BE LOCATED AS DIRECTED BY THE ENGINEER.
20. A MINIMUM (ONE) 1 FOOT SHY DISTANCE BETWEEN THE TEMPORARY OR PERMANENT CONCRETE BARRIER WALL AND THE OUTSIDE EDGE OF THE ADJACENT TEMPORARY PAVEMENT MARKING SHALL BE PROVIDED AT ALL LOCATIONS.
21. THE QUANTITY FOR TEMPORARY PAVEMENT MARKING - LINE 6" WAS ASSUMED EQUAL TO THE LENGTH OF THE TEMPORARY CONCRETE BARRIER. UTILIZED WHEN THE BARRIER IS (ONE) 1 FOOT FROM THE EDGE OF TRAVELED WAY.
22. CONTRACTOR SHALL NOT STORE ANY EXCAVATION MATERIAL OR ANY EQUIPMENT ON EXISTING BRIDGES.
23. THE CONTRACTOR SHALL INSTALL STABILIZED CONSTRUCTION ENTRANCES PER ILLINOIS URBAN MANUAL STANDARD DRAWING IL-630.
24. ADDITIONAL MOT QUANTITY IS INCLUDED FOR MULTIPLE I-57 WORK ZONE SETUPS DURING STAGE 1 ATTRIBUTED TO RAMP C STEEL ERECTION. THIS ALLOWANCE COVERS CONTRACTOR MEANS & METHODS DURING STEEL ERECTION. (USE OF THE ADDITIONAL QUANTITY IS SUBJECT TO THE APPROVAL OF THE ENGINEER)

MAINTENANCE OF TRAFFIC GENERAL NOTES (CONT.):

25. MAINTENANCE OF TRAFFIC: CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC PLAN IF THE CONTRACTOR'S PROPOSED CONSTRUCTION PHASING DIFFERS FROM THE CONTRACT PLAN. THE PLAN SHALL BE IN ACCORDANCE WITH TOLLWAY STANDARDS AND WITHIN THE REQUIREMENTS PER THE CONTRACT DOCUMENTS. THE PLAN SHALL BE SUBJECT TO TOLLWAY APPROVAL. CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE ENGINEER FOR ANY METHODS OF MAINTENANCE OF TRAFFIC DIFFERENT THAN THAT SHOWN ON THE PLAN. THE CONTRACTOR SHALL SCHEDULE HIS CONSTRUCTION STAGING TO CONFORM TO THE DETAILS SHOWN ON THE DRAWINGS.
26. TRAFFIC CONTROL DEVICES: TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC AS DETAILED ON THE PLANS SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED THROUGHOUT THE DURATION OF THE CONTRACT.
27. PROTECTION AND RESTORATION OF TRAFFIC SIGNS: PRIOR TO THE BEGINNING OF CONSTRUCTION OPERATIONS, THE CONTRACTOR WILL BE PROVIDED A SIGN LOG OF EXISTING SIGNS WITHIN THE LIMITS OF THE CONSTRUCTION ZONE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE SIGN LOG THROUGHOUT THE DURATION OF THIS PROJECT. EXISTING TRAFFIC SIGNS SHALL BE COVERED OR REMOVED AND STORED BY THE CONTRACTOR AS THE PROJECT'S CONSTRUCTION STAGING PLAN REQUIRES. THE CONTRACTOR SHALL REPLACE AT HIS OWN EXPENSE ANY TRAFFIC SIGN OR POST WHICH HAS BEEN DAMAGED OR LOST BY THE CONTRACTOR, OR A THIRD PARTY AFTER SIGNS HAVE BEEN REMOVED FOR STORAGE OR COVERED AS A PART OF THE MAINTENANCE OF TRAFFIC OPERATIONS.
28. THE CONTRACTOR IS ADVISED THAT IN THE EVENT OF SNOW HE WILL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF ANY MAINTENANCE OF TRAFFIC PROTECTIVE DEVICES REQUIRED FOR HIS OPERATIONS THAT WOULD INTERFERE WITH SNOW REMOVAL OPERATIONS PERFORMED BY THE APPROPRIATE AGENCY.
29. PROVIDE THE SERVICES OF COMPETENT AND CERTIFIED FLAGGERS(S) AT LOCATIONS AND TIMES FOR SUCH PERIODS AS NECESSARY FOR THE CONTROL AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC. USE FLAGGING METHODS, WHICH COMPLY WITH THE GUIDELINES IN THE MUTCD. FLAGGING OPERATIONS WILL NOT BE ALLOWED FOR THE CONVENIENCE OF THE CONTRACTOR'S OPERATIONS. HOWEVER, IF SAFETY ISSUES EXIST (I.E. SIGHT/STOPPING SITE DISTANCE), THE ENGINEER MAY APPROVE THE USE OF FLAGGING OPERATIONS.
30. THE CONTRACTOR SHALL MONITOR TRAFFIC FLOW THROUGH THE PROJECT AND VERIFY THAT ALL TRAFFIC CONTROL DEVICES ARE IN PLACE AND FUNCTIONING PROPERLY DURING BOTH DAYTIME AND NIGHTTIME CONDITIONS, AS APPLICABLE. IF THE CONTRACTOR DETERMINES THAT A DEFICIENCY IN ANY TRAFFIC CONTROL DEVICE EXISTS, THE CONTRACTOR SHALL TAKE CORRECTIVE ACTION. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE CORRECTIVE ACTION.
31. DEFICIENCIES OF TRAFFIC CONTROL DEVICES REPORTED BY THE ENGINEER SHALL BE CORRECTED IMMEDIATELY. FAILURE TO CORRECT DEFICIENCIES IN THE TIME ALLOCATED BY THE ENGINEER MAY RESULT IN APPROPRIATE FINES.
32. THE CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE ENGINEER OF ANY PEDESTRIAN OR VEHICULAR ACCIDENT WHEN PHYSICAL EVIDENCE OR OTHER INFORMATION SUGGESTS AN ACCIDENT HAS OCCURRED IN THE WORK ZONE. THE CONTRACTOR SHALL OBTAIN AND PROVIDE TO THE ENGINEER COPIES OF LAW ENFORCEMENT ACCIDENT REPORTS FOR ANY ACCIDENTS IN THE WORK ZONE.
33. EACH FLAGGER AND PILOT VEHICLE OPERATOR SHALL MAINTAIN A VALID FLAGGER CERTIFICATION CARD THAT CERTIFIES THE INDIVIDUAL HAS BEEN TRAINED IN THE PRINCIPLES OF FLAGGING IN ACCORDANCE WITH THE MUTCD. CERTIFICATIONS WILL NOT BE REQUIRED IN EMERGENCY SITUATIONS THAT ARISE DUE TO ACTIONS BEYOND THE CONTRACTOR'S CONTROL WHEN FLAGGING IS NECESSARY TO MAINTAIN SAFE TRAFFIC CONTROL ON A TEMPORARY BASIS.
34. CONTRACTOR SHALL REPLACE DAMAGED OR MISSING REFLECTORS ON MEDIAN BARRIER WALL AND BRIDGE PARAPETS PRIOR TO PLACING TRAFFIC ON ADJACENT SHOULDERS.
35. MONO-DIRECTIONAL PRISMATIC BARRIER REFLECTORS WILL BE PLACED AT 25 FOOT CENTERS ON TOP AND SIDE OF TEMPORARY CONCRETE BARRIER FACING TRAFFIC.
36. A 3.75 FOOT (3' - 9") CLEAR ZONE SHALL BE MAINTAINED FROM THE BACK OF THE TEMPORARY CONCRETE BARRIER WALL TO ANY OBSTRUCTION OR DROP-OFF. IF THE 3.75 FOOT (3' - 9") CLEAR ZONE CANNOT BE MAINTAINED, THE TEMPORARY CONCRETE BARRIER SHALL BE ANCHORED THROUGH THE 3 ANCHORING HOLES ON THE TRAFFIC SIDE OF THE WALL USING THE CONNECTING PINS. ANCHORING IS NOT ALLOWED TO FINAL SURFACES IN TOLLWAY JURISDICTION PAVEMENTS.
37. PROPOSED SIGNS MUST BE PLACED PRIOR TO REMOVING EXISTING SIGNS. EARLY GRADING MAY BE REQUIRED TO CONSTRUCT CONCRETE FOUNDATIONS AND PLACE SIGNS IN THEIR FINAL CONDITION. ADDITIONAL COMPENSATION WILL NOT BE PROVIDED.
38. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIALS TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AND THE EXPRESSWAYS TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
39. THE CONTRACTOR SHALL REQUEST AND GAIN APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT WWW.IDOTLCS.COM TWENTY FOUR (24) HOURS IN ADVANCE OF ALL DAILY LANE, RAMP AND SHOULDER CLOSURES AND 7 DAYS IN ADVANCE OF ALL PERMANENT AND WEEKEND CLOSURES ON ALL FREEWAYS AND/OR EXPRESSWAYS IN DISTRICT 1. THIS ADVANCE NOTIFICATION IS CALCULATED BASED ON WORKWEEK OF MONDAY THROUGH FRIDAY AND SHALL NOT INCLUDE WEEKENDS OR HOLIDAYS.

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DATE . **4-3-2020**
SCALE . **NONE**

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
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DOWNERS GROVE, ILLINOIS 60515

REVISIONS	
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CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
MAINTENANCE OF TRAFFIC
GENERAL NOTES

SHEET **MOT-01**
35 OF **606**

CONSTRUCTION STAGING NOTES

CONSTRUCTION STAGING NOTES:

STAGE 1:

STRUCTURES

CONTRACTOR TO CONSTRUCT RAMP C AND RAMP F2 DURING STAGE 1. SEE BELOW FOR SPECIFIC SEQUENCING REQUIREMENTS.

IT IS ASSUMED THAT RAMP A WILL BE CLOSED DURING THE CONSTRUCTION OF RAMP C OVER I-57. (SEE COORDINATION NOTES)

RAMP C PIER 4 SHALL BE COMPLETED PRIOR TO THE 2020 LABOR DAY SHUTDOWN. RAMP C PIERS 5 AND 6 SHALL BE COMPLETED PRIOR TO THE 2020 THANKSGIVING HOLIDAY PERIOD.

I-294
REDUCE NUMBER OF LANES FROM 4 TO 3 IN EACH DIRECTION AND SHIFT TRAFFIC AS DEPICTED IN THE PLANS.

CONSTRUCT PAVEMENT WIDENING AND SHOULDER PAVEMENT AT RAMP C WEAVE, RAMP B CORE, NB I-294 BARRIER AND RAMP C PIER 4 IN I-294 CENTER MEDIAN.

WORK AT RAMP B CORE AND RAMP C PIER 4 MUST BE COMPLETED BEFORE CONSTRUCTION OF PIER 5 IN THE I-294 MEDIAN.

COORDINATION WITH CONTRACT I-20-4520 MAY BE REQUIRED DURING RAMP B MOT AND CONSTRUCTION OF RAMP D.

I-57
MAINTAIN 3 LANES IN EACH DIRECTION AND SHIFT TRAFFIC AS DEPICTED IN THE PLANS; REDUCE NUMBER OF LANES ON RAMP M FROM 2 TO 1 ADJACENT TO RAMP F2 WORK ZONE AND BRIDGE ERECTION ACTIVITY.

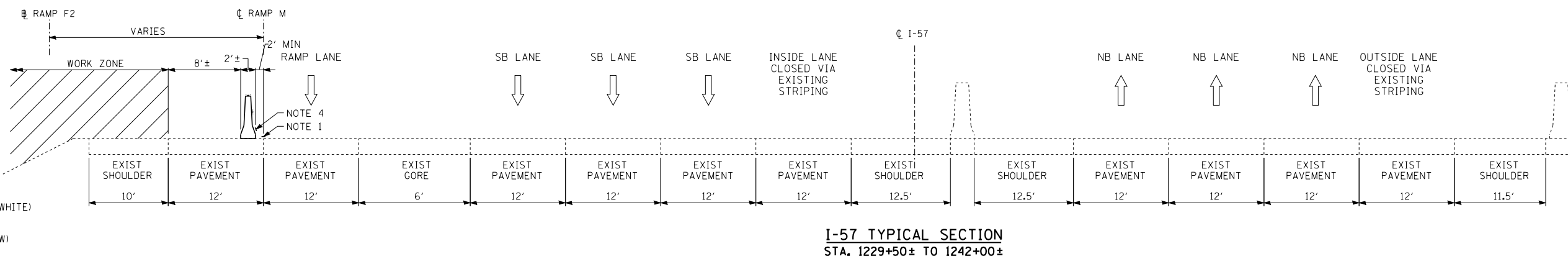
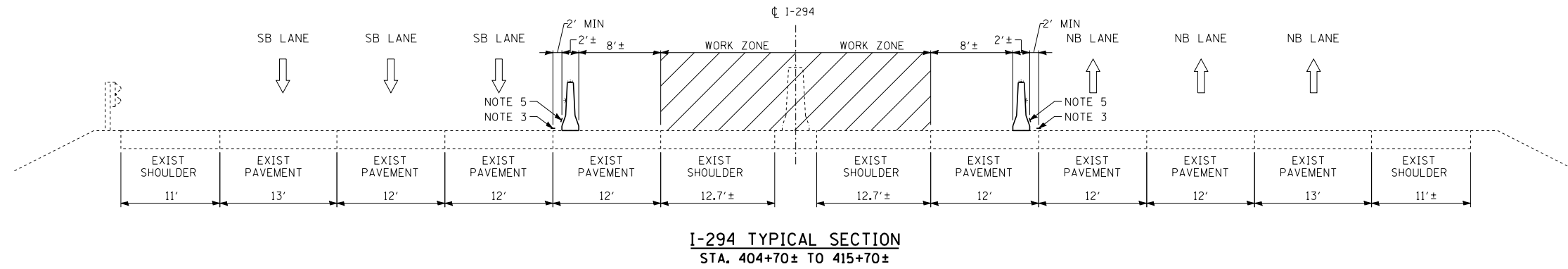
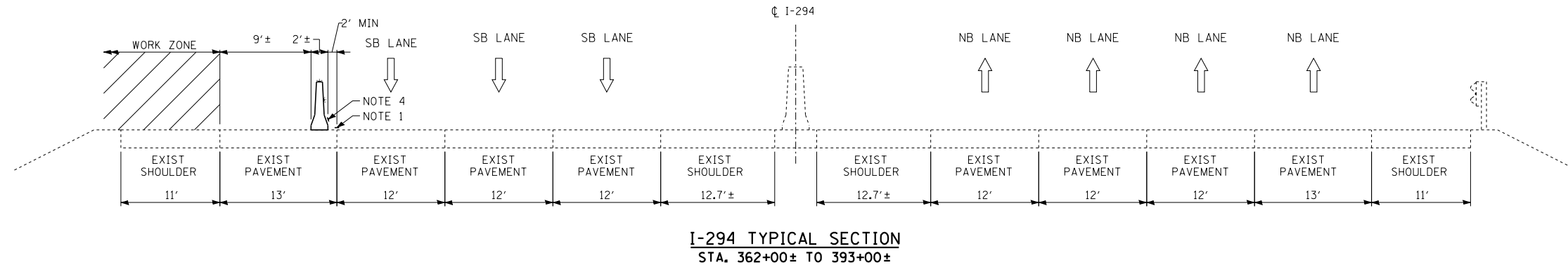
CONSTRUCT RAMP C PIER 16 AND PAVEMENT REQUIRED FOR RAMP F2 MERGE; RAMP F1 SLIP RAMP SHALL REMAIN IN PLACE DURING THIS STAGE (SEE MOT COORDINATION NOTES).

STAGE 2:

I-57
I-57 THROUGH LANES ARE IN FINAL CONFIGURATION; RELOCATE TEMPORARY CONCRETE BARRIER AND SHIFT TRAFFIC ON RAMP F1 AS SHOWN TO CONNECT TO RAMP C.

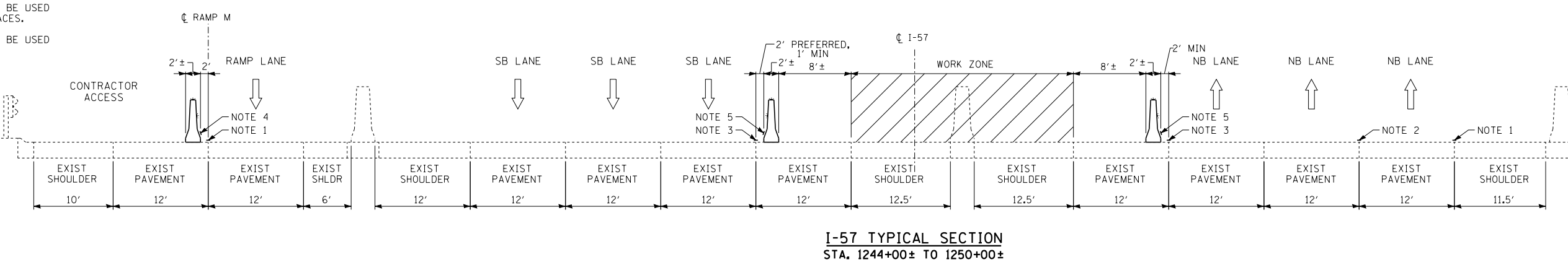
REMOVE TEMPORARY PAVEMENT AT F1 SLIP RAMP. CONSTRUCT I-57 SB SHOULDER AND REMAINING C-D ROAD C PAVEMENT. CONSTRUCT OVERHEAD SIGN STRUCTURE.

I-294
SHOULDER AND BELAIRE CREEK CULVERT EXTENSION WORK ONLY.



- NOTES:**
- PAVEMENT MARKING TAPE, 4" LINE (WHITE)
 - PAVEMENT MARKING TAPE, 5" SKIP-DASH (WHITE) 10' LINE WITH 30' SPACE
 - PAVEMENT MARKING TAPE, 4" LINE (YELLOW)
 - TEMPORARY PAVEMENT MARKING LINE 6" (WHITE)
 - TEMPORARY PAVEMENT MARKING LINE 6" (YELLOW)
 - PAVEMENT MARKING TAPE, TYPE IV, SHALL BE USED ON IDOT JURISDICTIONAL PAVEMENT SURFACES.
 - PAVEMENT MARKING TAPE, TYPE IV, SHALL BE USED ON TOLLWAY JURISDICTIONAL SURFACES.

- LEGEND**
- ↑ TRAFFIC MOVEMENT
 - TEMPORARY CONCRETE BARRIER (WITH BARRIER WALL REFLECTORS TYPE C (78200011) ON TOP AND SIDE FACING TRAFFIC)



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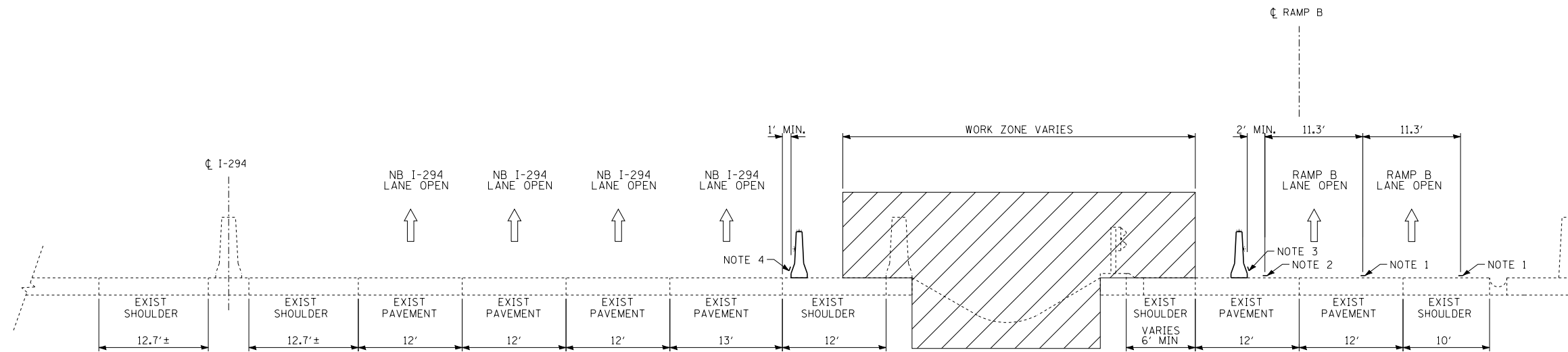
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DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2 MAINTENANCE OF TRAFFIC TYPICAL SECTIONS

SHEET MOT-02
36 OF 606



MOT COORDINATION:

NB I-294 STA. 409+49± TO 416+76±

NORTHBOUND I-294 TYPICAL SECTION FOR RAMP B CONSTRUCTION

RAMP B STA. 3041+40± TO 3050+34±

IT IS ANTICIPATED THAT THIS CONTRACT WILL BE CONCURRENT WITH TWO OTHER CONTRACTS:

-CONTRACT I-19-4464, WHICH CONSTRUCTS RAMP A, C-D ROAD A, C-D ROAD C, RAMP H, THE FOLLOWING I-57 BRIDGES: 149TH ST, 147TH ST, WESTERN AVE, AND COMPLETES THE RAMP L TOLL PLAZA AND OPENS RAMP L TO TRAFFIC.

-CONTRACT I-20-4520, WHICH CONSTRUCTS RAMP D.

CONTRACT I-19-4464

THE EXISTING PAVEMENT MARKINGS SHOWN IN THIS CONTRACT ARE WHAT WILL BE LEFT IN PLACE AT THE COMPLETION OF CONTRACT I-19-4464. THEY ALLOW FOR CONCURRENT CONSTRUCTION OF I-57 PIER 16 AND SHIFTS SB I-57 TRAFFIC TO THE OUTER 3 LANES PRIOR TO THE WORK ZONE.

A TEMPORARY SLIP RAMP FROM RAMP F1 TO I-57 WILL BE CONSTRUCTED AND LEFT IN PLACE AT THE COMPLETION OF CONTRACT I-19-4464 AND SHIFTS TRAFFIC TO THE INSIDE LANE TO ALLOW ROOM FOR A STANDARD RAMP MERGE ONTO I-57. THE REMOVAL OF THIS TEMPORARY PAVEMENT AND COMPLETION OF THE PERMANENT PAVEMENT IS REFLECTED IN STAGE 2 OF THIS CONTRACT.

COORDINATION BETWEEN THE TWO CONTRACTS WILL BE REQUIRED TO ENSURE THAT SIGNAGE AND LANE SHIFTS AROUND WORK ZONES DO NOT CONFLICT. CONTRACTORS MUST COORDINATE ANY MOT STAGE CHANGES WHILE BOTH CONTRACTS ARE ACTIVE. COORDINATION WILL BE REQUIRED AT THE CROSSING OF RAMP C OVER RAMP A. RAMP A IS ASSUMED TO BE CLOSED FOR THE BRIDGE ERECTION ACTIVITIES.

CONTRACT I-20-4520

CONTRACTOR MUST COORDINATE THE USE OF THE NORTH DETENTION (SHARED WORK ZONE) (SEE JURISDICTIONAL MAP) WITH THE I-20-4520 CONTRACTOR TO COMPLETE THEIR WORK.

THIS CONTRACT WILL INSTALL THE I-20-4520 RAMP D CONSTRUCTION ENTRANCE ON RAMP C IN STAGE 2. THE I-20-4520 CONTRACTOR WILL BE RESPONSIBLE FOR OPENING AND CLOSING THIS ENTRANCE. CONTRACTORS MUST COORDINATE ALL MOT WHILE BOTH CONTRACTS ARE ACTIVE.

LEGEND



↑ TRAFFIC MOVEMENT

TEMPORARY CONCRETE BARRIER (WITH BARRIER WALL REFLECTORS TYPE C (7820001) ON TOP AND SIDE FACING TRAFFIC)

NOTES:

1. PAVEMENT MARKING TAPE, 4" LINE (WHITE)
2. PAVEMENT MARKING TAPE, 4" LINE (YELLOW)
3. TEMPORARY PAVEMENT MARKING LINE, 6" (YELLOW)
4. TEMPORARY PAVEMENT MARKING LINE, 6" (WHITE)
5. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED ON TOLLWAY JURISDICTIONAL SURFACES
6. MIN. 3.75' CLEAR ZONE SHALL BE MAINTAINED FROM BACK OF TEMPORARY CONCRETE BARRIER TO OBSTRUCTION OR DROP OFF. ANCHORING NOT ALLOWED ON TOLLWAY PAVEMENT TO REMAIN.

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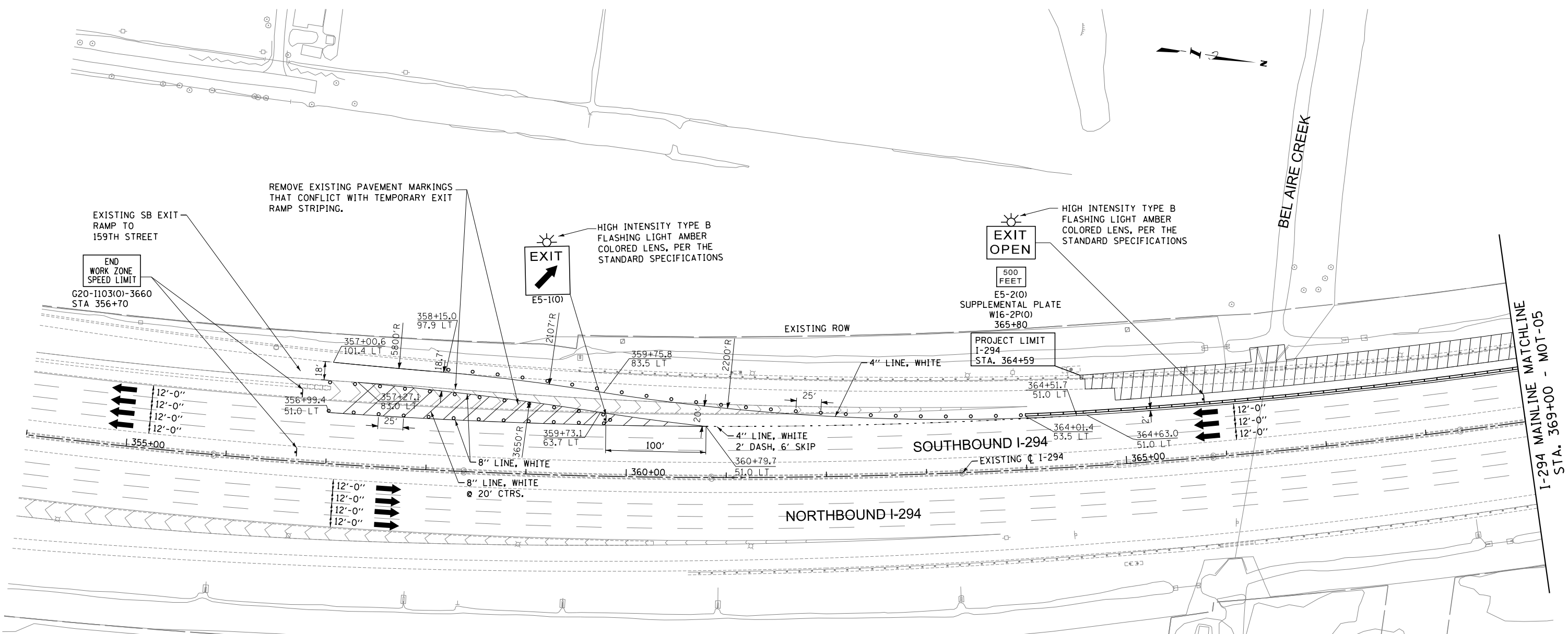
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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

SHEET MOT-03

37 OF 606



BELAIRE CREEK

I-294 MAINLINE MATCHLINE
STA. 369+00 - MOT-05

REMOVE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY EXIT RAMP STRIPING.

EXISTING SB EXIT RAMP TO 159TH STREET

END WORK ZONE SPEED LIMIT
G20-1103(O)-3660
STA 356+70

HIGH INTENSITY TYPE B FLASHING LIGHT AMBER COLORED LENS, PER THE STANDARD SPECIFICATIONS

EXIT
E5-1(O)

HIGH INTENSITY TYPE B FLASHING LIGHT AMBER COLORED LENS, PER THE STANDARD SPECIFICATIONS

EXIT OPEN

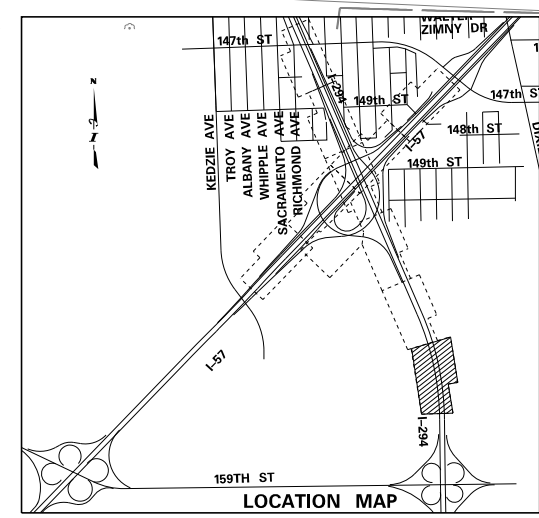
500 FEET
E5-2(O)
SUPPLEMENTAL PLATE
W16-2P(O)
365+80

PROJECT LIMIT
I-294
STA. 364+59

12'-0"
12'-0"
12'-0"
12'-0"

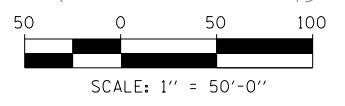
12'-0"
12'-0"
12'-0"
12'-0"

- LEGEND:**
- TEMPORARY CONCRETE BARRIER (IDOT JURISDICTION 70400100) (TOLLWAY JURISDICTION J1704000)
 - TRAFFIC LANE
 - WORK ZONE
 - STABILIZED CONSTRUCTION ENTRANCE (JS280070)
 - BARRICADE, TYPE III
 - DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
 - ARROW BOARD



- NOTES:**
1. TEMPORARY MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE IV ON IDOT AND TOLLWAY JURISDICTIONAL SURFACES. TEMPORARY EPOXY PAVEMENT MARKINGS TO BE USED OVER WINTER MONTHS.
 2. DRUM BARRICADES SHALL BE SPACED 50' ON-CENTER IN TANGENT SECTIONS AND 25' ON-CENTER IN CURVES AND TAPER SECTIONS.

WORK ZONE SPEED LIMIT
I-294: 45 MPH



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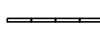

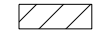

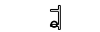


CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
MAINTENANCE OF TRAFFIC PLAN
STAGE 1

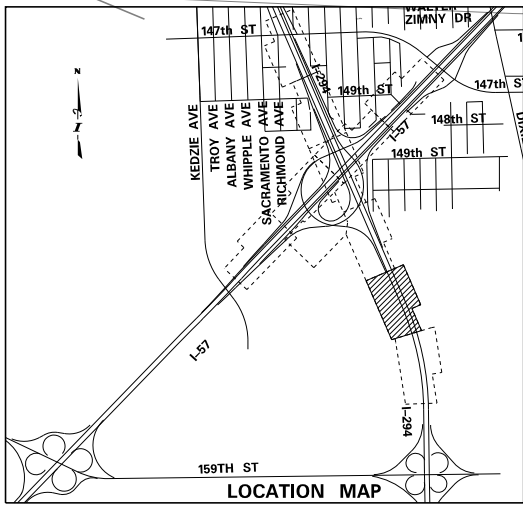
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38 OF 606

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I-294 MAINLINE MATCHLINE
STA. 369+00 - MOT-04

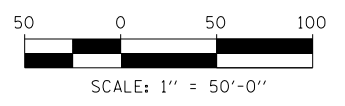
I-294 MAINLINE MATCHLINE
STA. 383+00 - MOT-06

- LEGEND:**
-  TEMPORARY CONCRETE BARRIER (IDOT JURISDICTION 70400100) (TOLLWAY JURISDICTION J1704000)
 -  TRAFFIC LANE
 -  WORK ZONE
 -  STABILIZED CONSTRUCTION ENTRANCE (JS280070)
 -  BARRICADE, TYPE III
 -  DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
 -  ARROW BOARD



- NOTES:**
- TEMPORARY MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE IV ON IDOT AND TOLLWAY JURISDICTIONAL SURFACES. TEMPORARY EPOXY PAVEMENT MARKINGS TO BE USED OVER WINTER MONTHS.
 - DRUM BARRICADES SHALL BE SPACED 50' ON-CENTER IN TANGENT SECTIONS AND 25' ON-CENTER IN CURVES AND TAPER SECTIONS.

WORK ZONE SPEED LIMIT
I-294: 45 MPH



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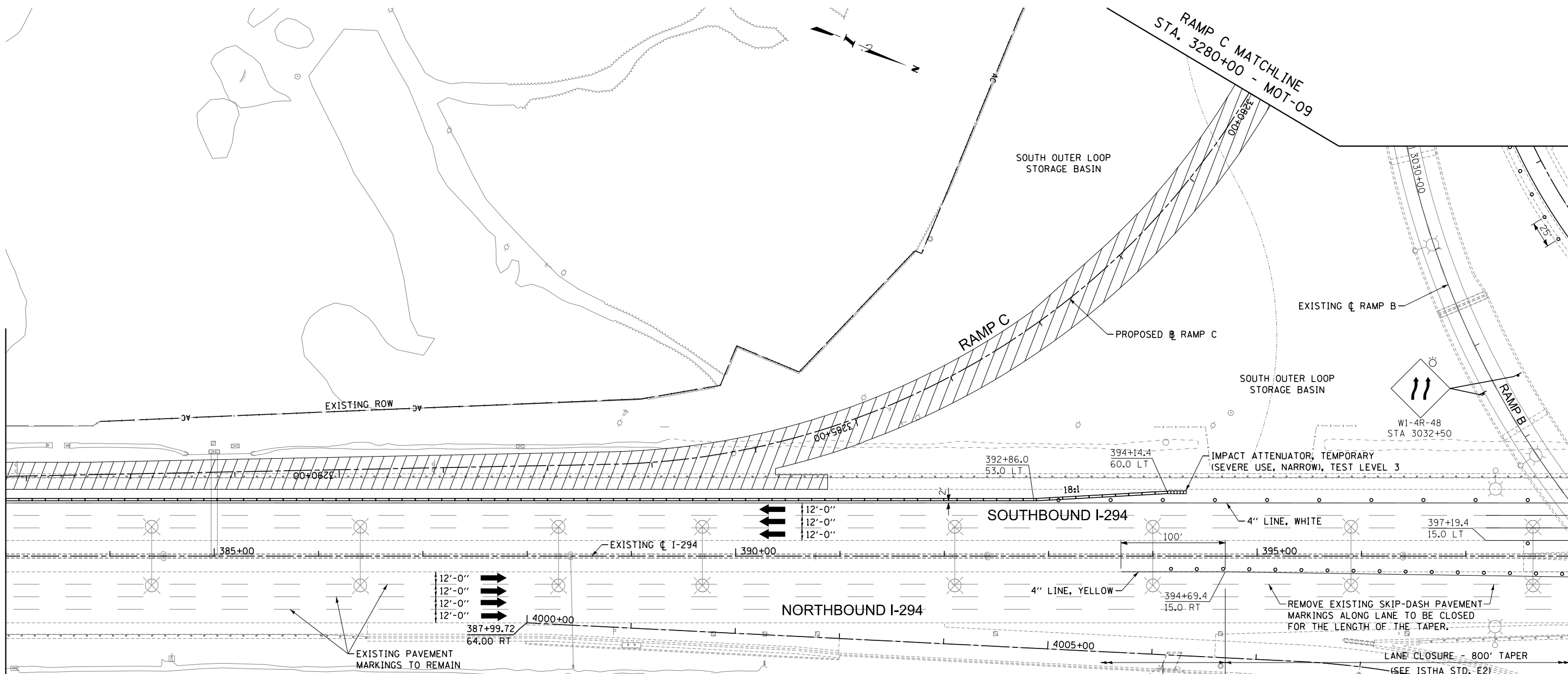
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
MAINTENANCE OF TRAFFIC PLAN
STAGE 1

SHEET *MOT-05*
39 OF **606**

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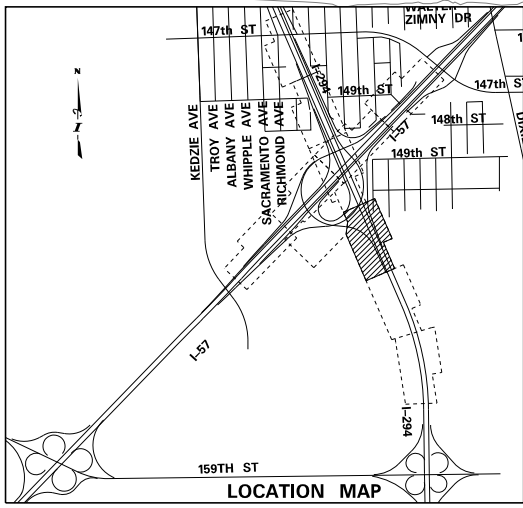
I-294 MAINLINE MATCHLINE
STA. 383+00 - MOT-05

I-294 MAINLINE MATCHLINE
STA. 398+00 - MOT-07



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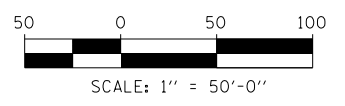
- TEMPORARY CONCRETE BARRIER (IDOT JURISDICTION 70400100) (TOLLWAY JURISDICTION J1704000)
- TRAFFIC LANE
- WORK ZONE
- STABILIZED CONSTRUCTION ENTRANCE (JS280070)
- BARRICADE, TYPE III
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- ARROW BOARD



NOTES:

1. TEMPORARY MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE IV ON IDOT AND TOLLWAY JURISDICTIONAL SURFACES. TEMPORARY EPOXY PAVEMENT MARKINGS TO BE USED OVER WINTER MONTHS.
2. DRUM BARRICADES SHALL BE SPACED 50' ON-CENTER IN TANGENT SECTIONS AND 25' ON-CENTER IN CURVES AND TAPER SECTIONS.

WORK ZONE SPEED LIMIT
I-294: 45 MPH



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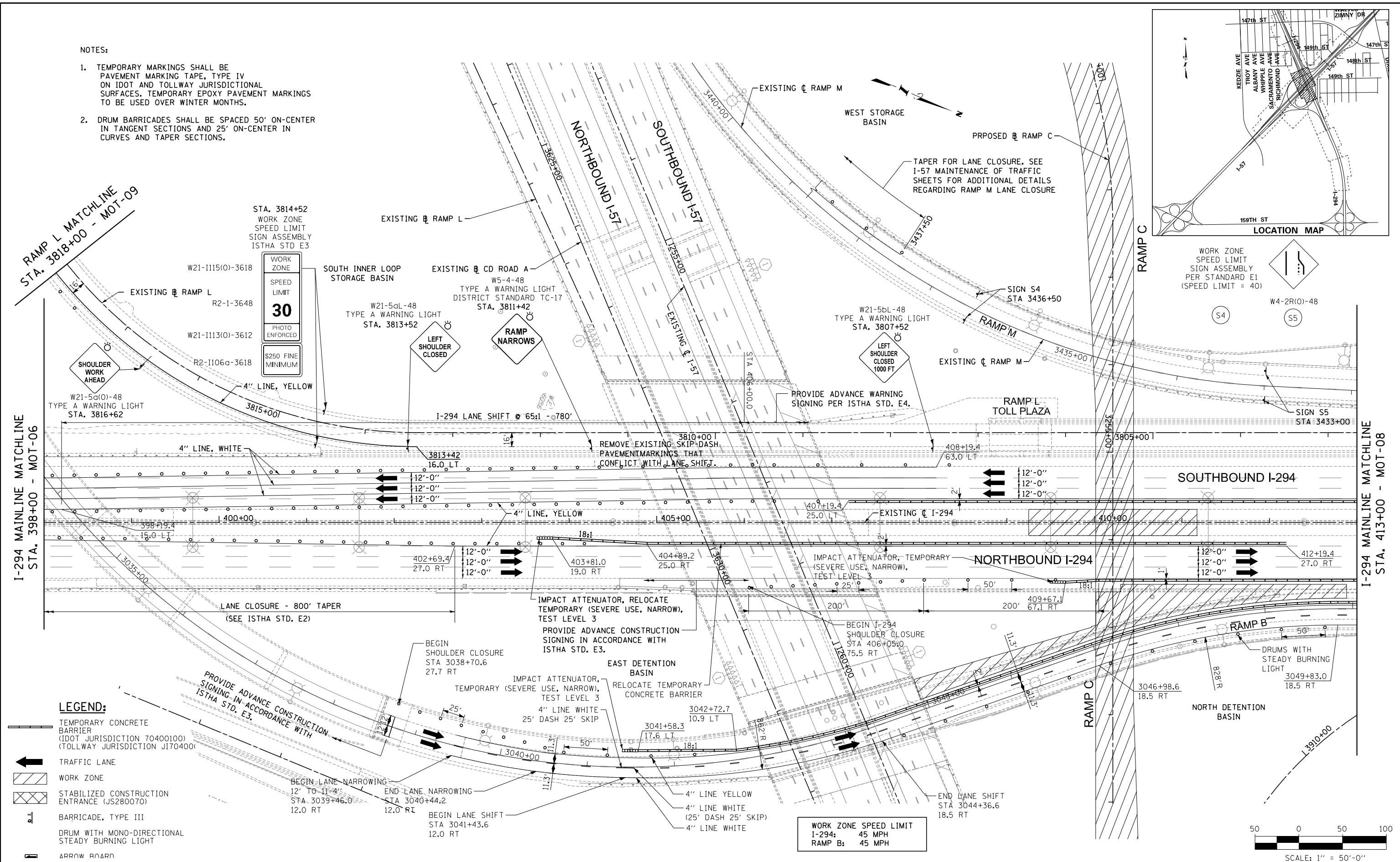
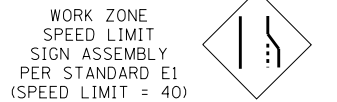
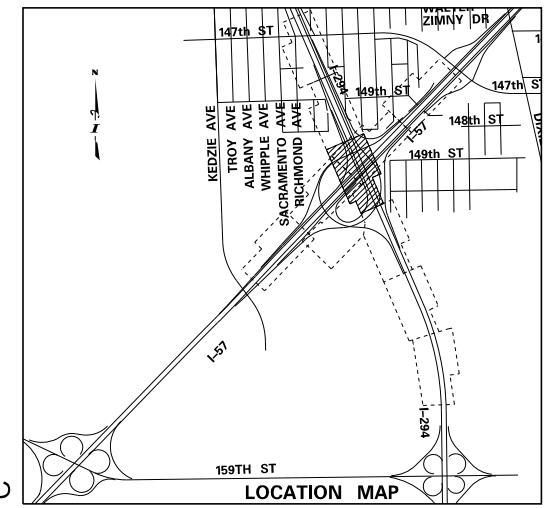
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
MAINTENANCE OF TRAFFIC PLAN
STAGE 1

SHEET MOT-06
40 OF 606

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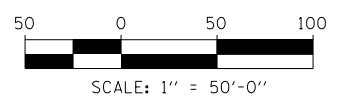
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- DRUM BARRICADES SHALL BE SPACED 50' ON-CENTER IN TANGENT SECTIONS AND 25' ON-CENTER IN CURVES AND TAPER SECTIONS.



LEGEND:

- TEMPORARY CONCRETE BARRIER (IDOT JURISDICTION 70400100) (TOLLWAY JURISDICTION J170400)
- TRAFFIC LANE
- WORK ZONE
- STABILIZED CONSTRUCTION ENTRANCE (JS280070)
- BARRICADE, TYPE III
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- ARROW BOARD

WORK ZONE SPEED LIMIT
 I-294: 45 MPH
 RAMP B: 45 MPH



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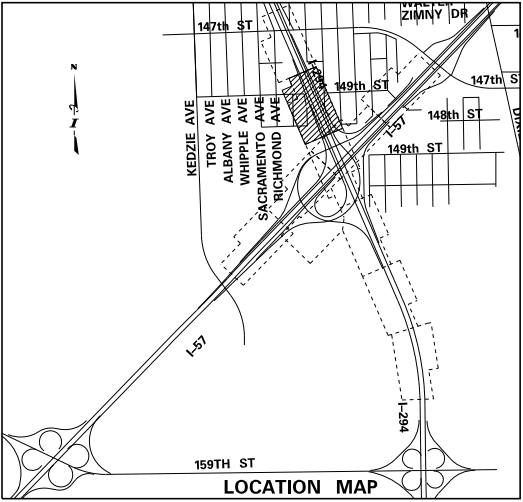


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CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 MAINTENANCE OF TRAFFIC PLAN
 STAGE 1

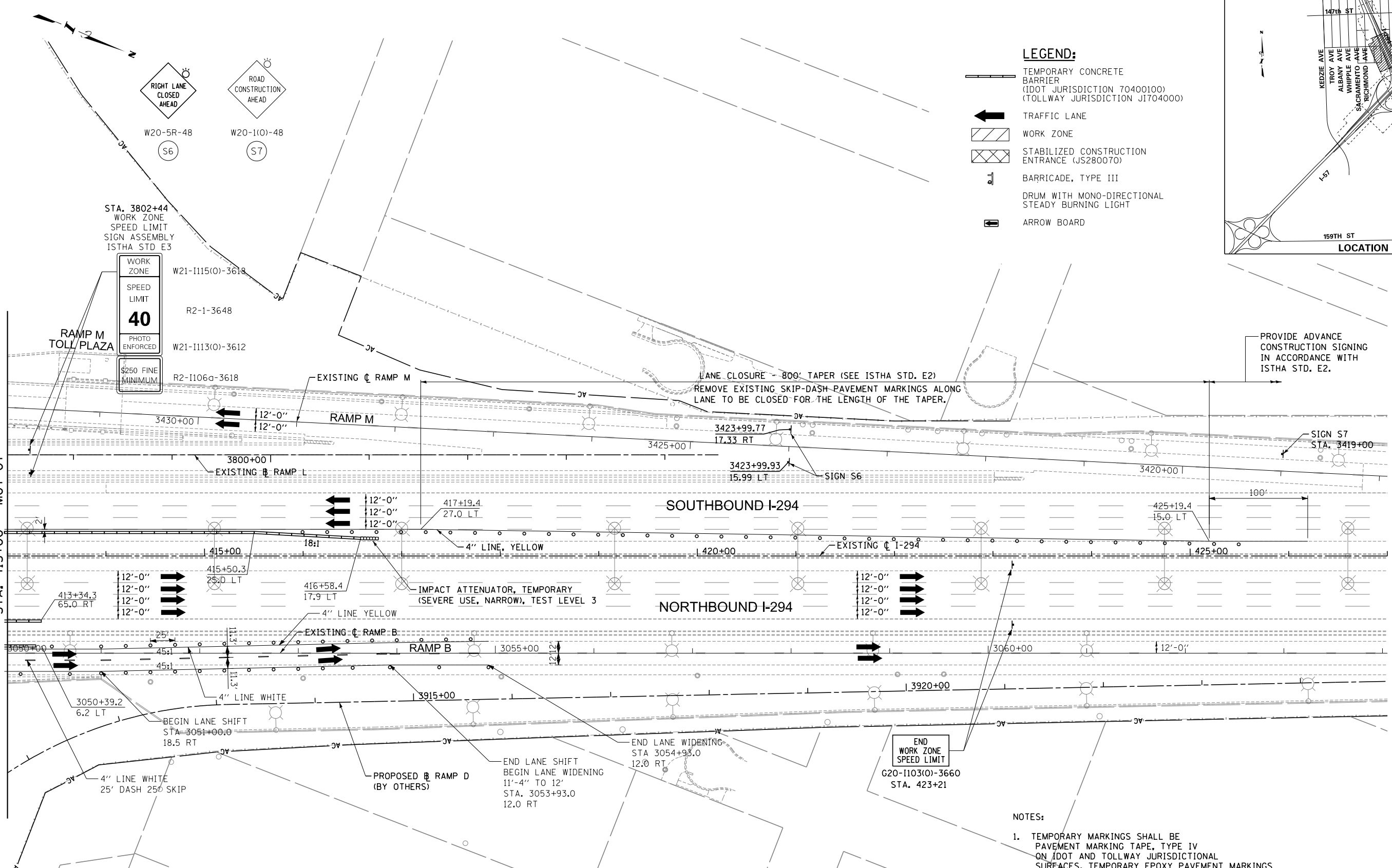
SHEET *MOT-07*
41 OF **606**



LEGEND:

- TEMPORARY CONCRETE BARRIER (IDOT JURISDICTION 70400100) (TOLLWAY JURISDICTION J1704000)
- TRAFFIC LANE
- WORK ZONE
- STABILIZED CONSTRUCTION ENTRANCE (JS280070)
- BARRICADE, TYPE III
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- ARROW BOARD

I-294 MAINLINE MATCHLINE STA. 413+00 - MOT-07



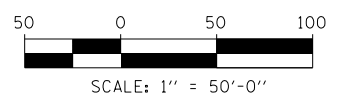
PROVIDE ADVANCE CONSTRUCTION SIGNING IN ACCORDANCE WITH ISTHA STD. E2.

LANE CLOSURE - 800' TAPER (SEE ISTHA STD. E2)
REMOVE EXISTING SKIP-DASH PAVEMENT MARKINGS ALONG LANE TO BE CLOSED FOR THE LENGTH OF THE TAPER.

NOTES:

1. TEMPORARY MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE IV ON IDOT AND TOLLWAY JURISDICTIONAL SURFACES. TEMPORARY EPOXY PAVEMENT MARKINGS TO BE USED OVER WINTER MONTHS.
2. DRUM BARRICADES SHALL BE SPACED 50' ON-CENTER IN TANGENT SECTIONS AND 25' ON-CENTER IN CURVES AND TAPER SECTIONS.

WORK ZONE SPEED LIMIT
I-294: 45 MPH
RAMP B: 45 MPH



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DRAWN BY E.J.G.	DATE 4-3-2020
CHECKED BY	SCALE 1:50

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

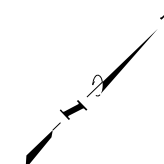
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
MAINTENANCE OF TRAFFIC PLAN
STAGE 1

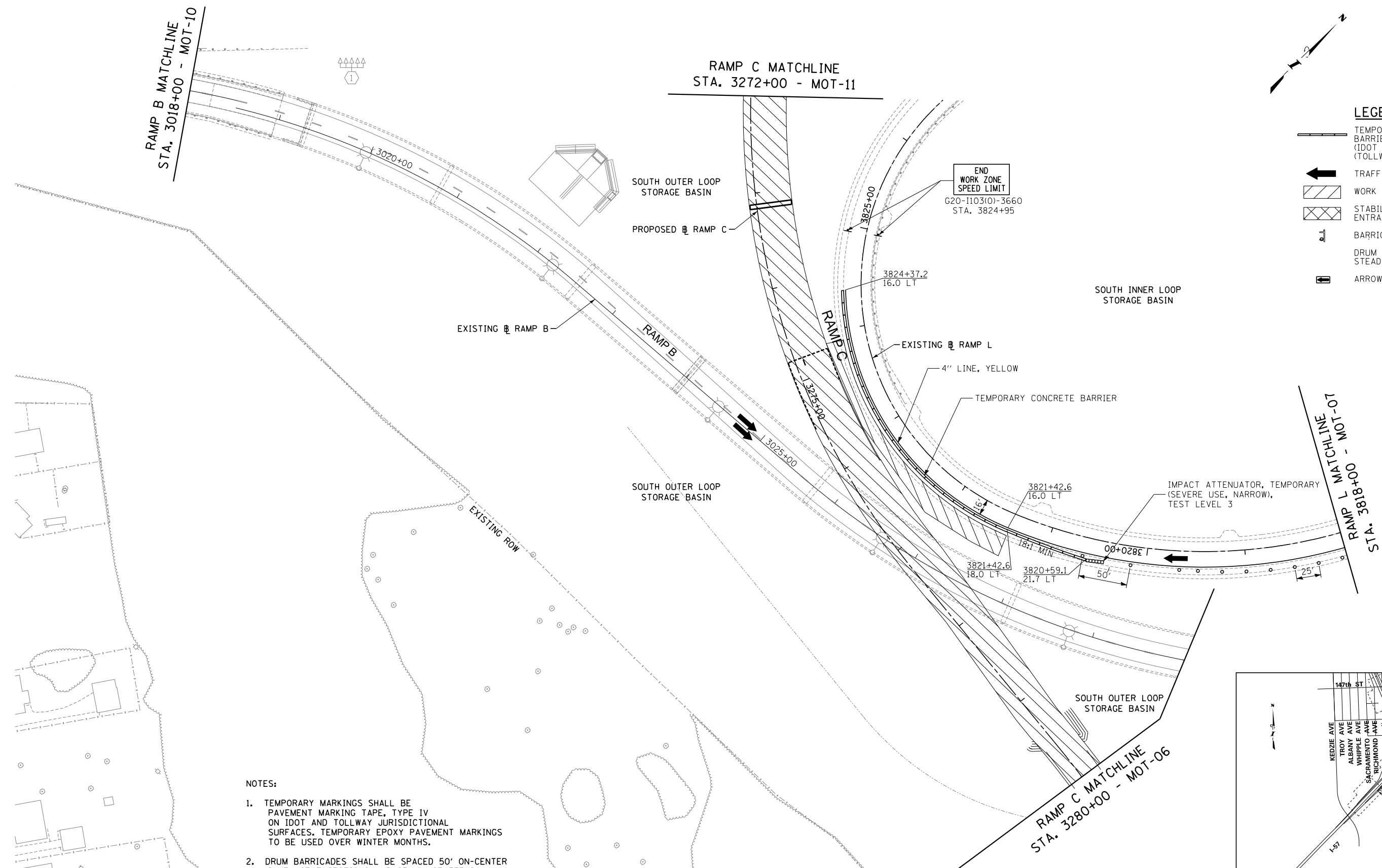
SHEET MOT-08
42 OF 606

RAMP B MATCHLINE
STA. 3018+00 - MOT-10

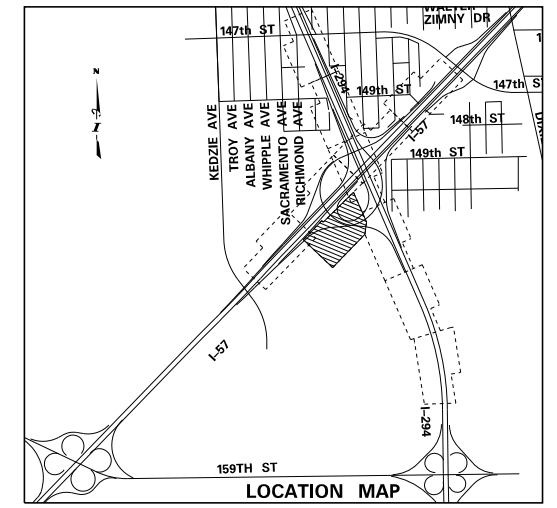
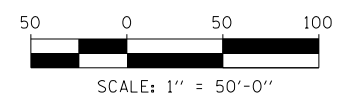
RAMP C MATCHLINE
STA. 3272+00 - MOT-11



- LEGEND:**
- TEMPORARY CONCRETE BARRIER (IDOT JURISDICTION 70400100) (TOLLWAY JURISDICTION J1704000)
 - ← TRAFFIC LANE
 - ▨ WORK ZONE
 - ▩ STABILIZED CONSTRUCTION ENTRANCE (JS280070)
 - ⚠ BARRICADE, TYPE III
 - ⚡ DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
 - ➡ ARROW BOARD



- NOTES:**
- TEMPORARY MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE IV ON IDOT AND TOLLWAY JURISDICTIONAL SURFACES. TEMPORARY EPOXY PAVEMENT MARKINGS TO BE USED OVER WINTER MONTHS.
 - DRUM BARRICADES SHALL BE SPACED 50' ON-CENTER IN TANGENT SECTIONS AND 25' ON-CENTER IN CURVES AND TAPER SECTIONS.



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DRAWN BY E.J.G	DATE 4-3-2020
CHECKED BY	SCALE 1:50

TYLIN INTERNATIONAL



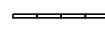

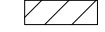




THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

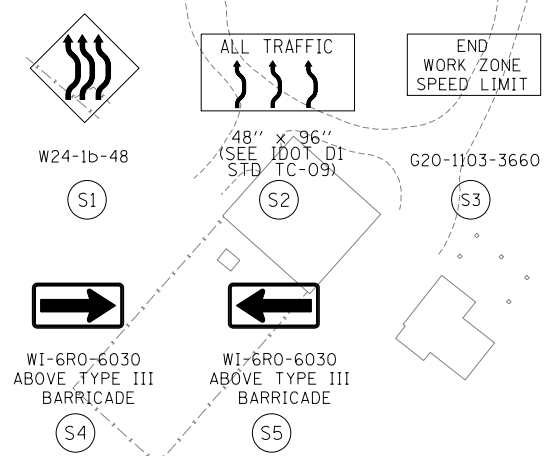
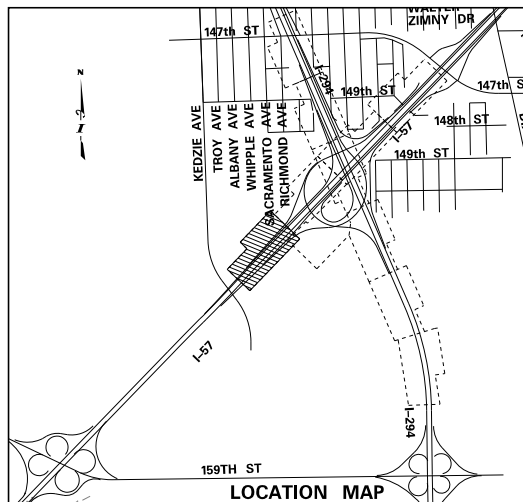
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
MAINTENANCE OF TRAFFIC PLAN
STAGE 1

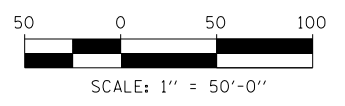
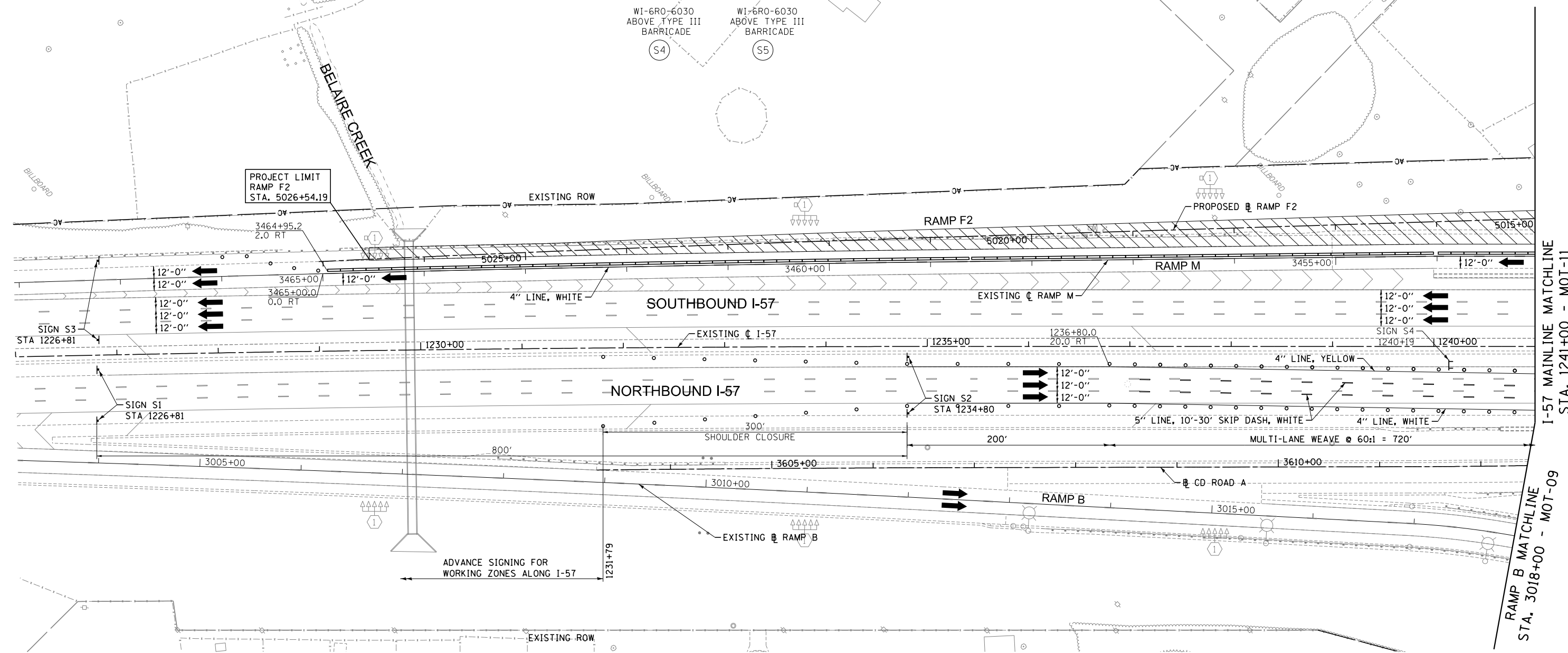
SHEET MOT-09
43 OF 606

LEGEND:

-  TEMPORARY CONCRETE BARRIER (IDOT JURISDICTION 70400100) (TOLLWAY JURISDICTION J1704000)
-  TRAFFIC LANE
-  WORK ZONE
-  STABILIZED CONSTRUCTION ENTRANCE (JS280070)
-  BARRICADE, TYPE III
-  DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
-  ARROW BOARD



- NOTES:**
1. TEMPORARY MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE IV ON IDOT AND TOLLWAY JURISDICTIONAL SURFACES. TEMPORARY EPOXY PAVEMENT MARKINGS TO BE USED OVER WINTER MONTHS.
 2. DRUM BARRICADES SHALL BE SPACED 50' ON-CENTER IN TANGENT SECTIONS AND 25' ON-CENTER IN CURVES AND TAPER SECTIONS.



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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

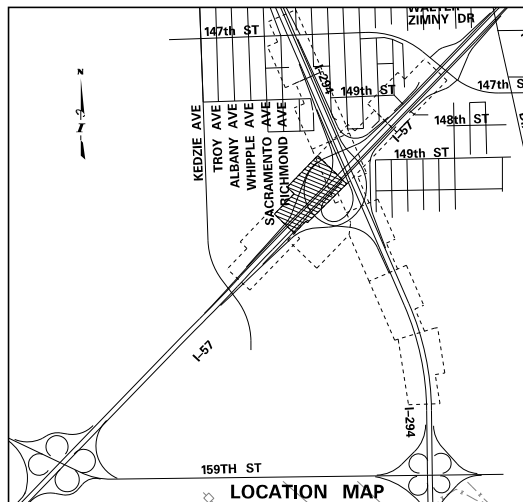
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
MAINTENANCE OF TRAFFIC PLAN
STAGE 1

SHEET **MOT-10**
44 OF **606**

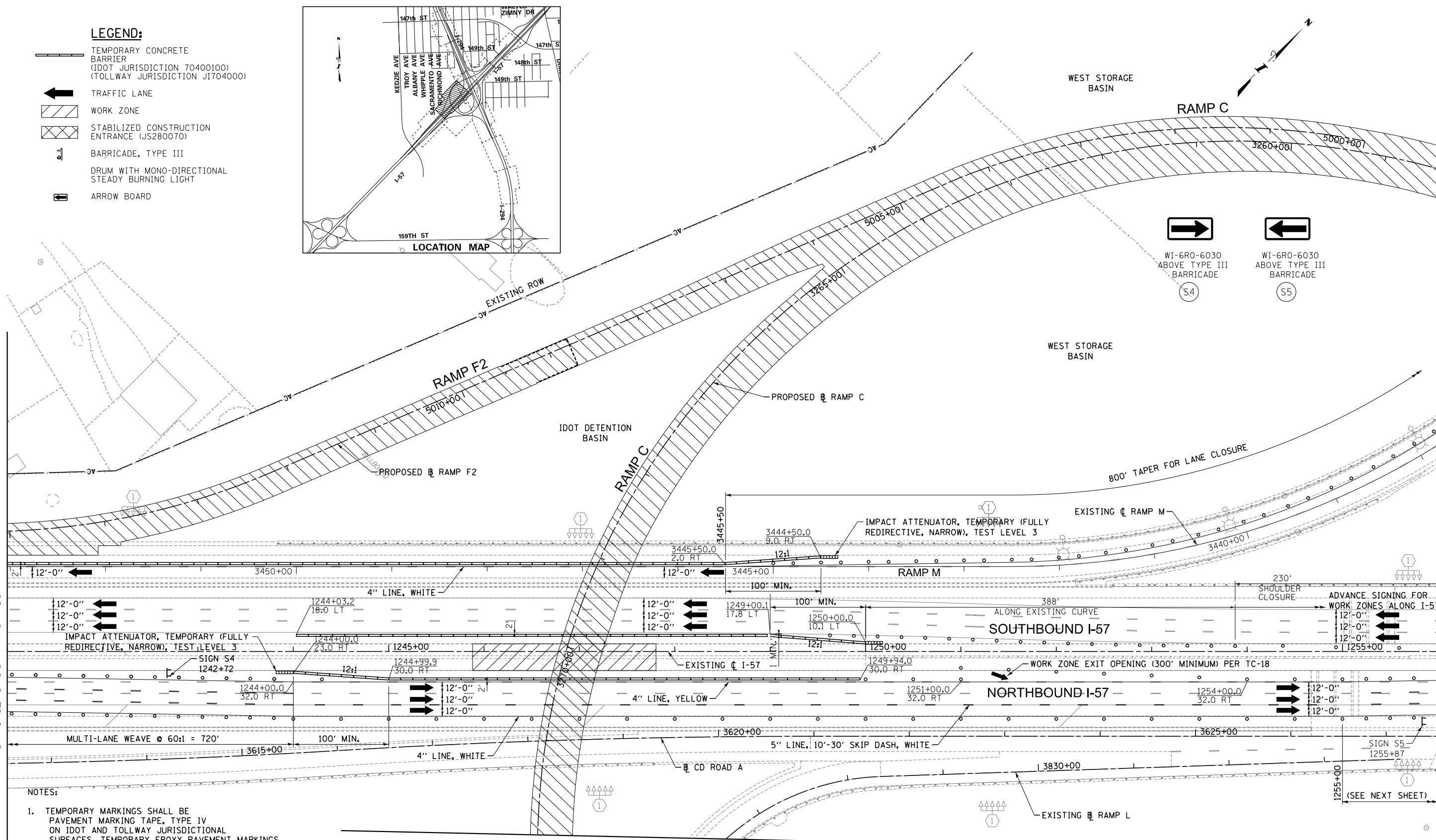
LEGEND:

-  TEMPORARY CONCRETE BARRIER (IDOT JURISDICTION 70400100) (TOLLWAY JURISDICTION J1704000)
-  TRAFFIC LANE
-  WORK ZONE
-  STABILIZED CONSTRUCTION ENTRANCE (JS280070)
-  BARRICADE, TYPE III
-  DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
-  ARROW BOARD



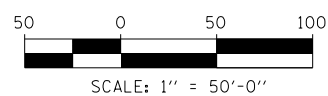
I-57 MAINLINE MATCHLINE STA. 1241+00 - MOT-10

I-57 MAINLINE MATCHLINE STA. 1256+00 - MOT-12



- NOTES:**
1. TEMPORARY MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE IV ON IDOT AND TOLLWAY JURISDICTIONAL SURFACES. TEMPORARY EPOXY PAVEMENT MARKINGS TO BE USED OVER WINTER MONTHS.
 2. DRUM BARRICADES SHALL BE SPACED 50' ON-CENTER IN TANGENT SECTIONS AND 25' ON-CENTER IN CURVES AND TAPER SECTIONS.

RAMP C MATCHLINE STA. 3272+00 - MOT-09



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TYLIN INTERNATIONAL

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

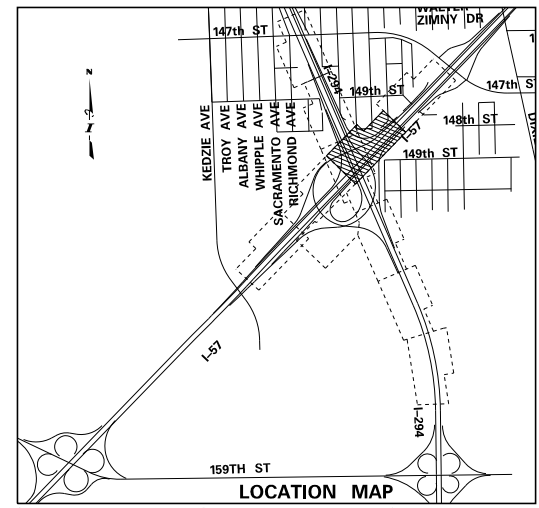
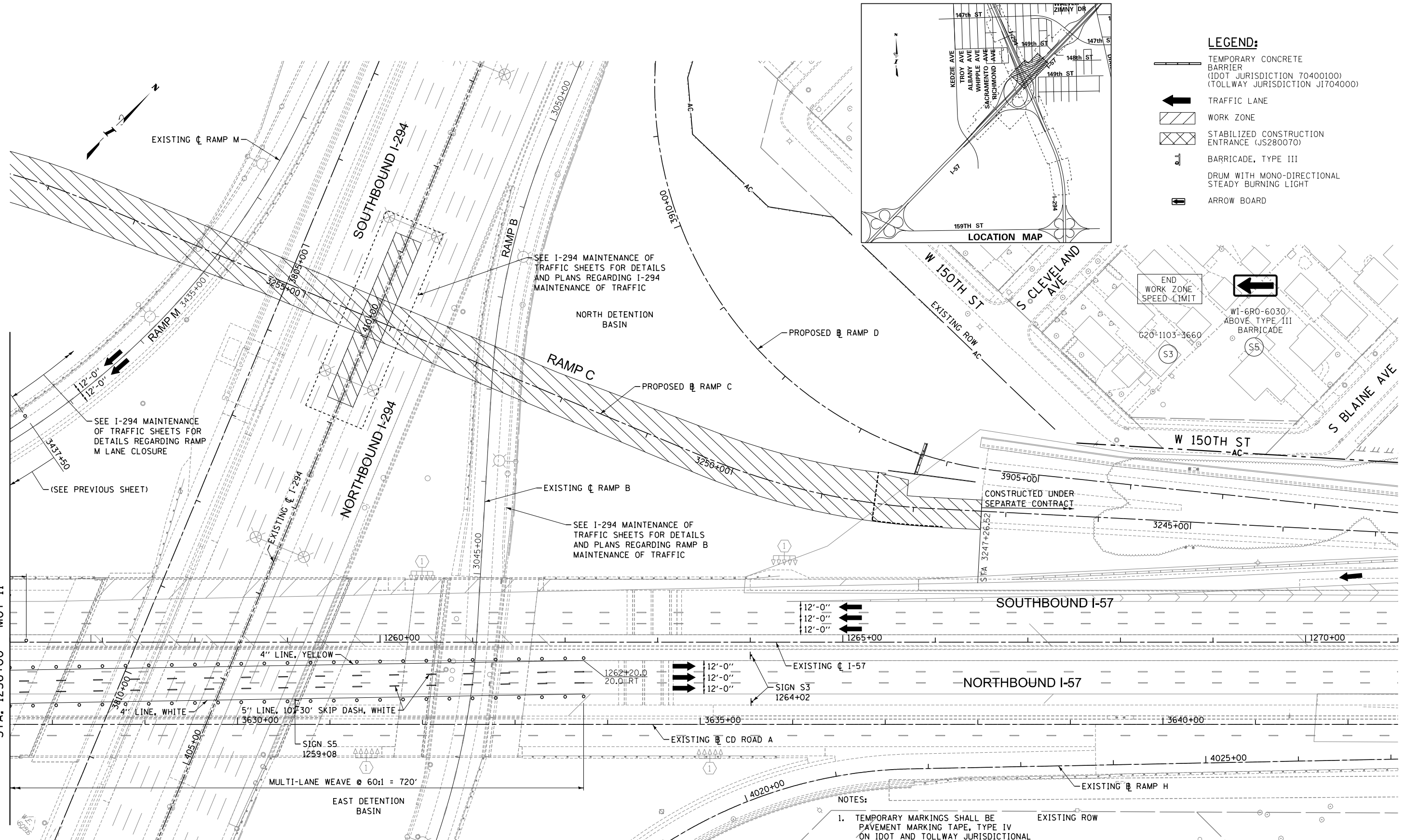
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
MAINTENANCE OF TRAFFIC PLAN
STAGE 1

SHEET **MOT-11**
45 OF **606**

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 2/12/2020

I-57 MAINLINE MATCHLINE
 STA. 1256+00 - MOT-11



- LEGEND:**
- TEMPORARY CONCRETE BARRIER (IDOT JURISDICTION 70400100) (TOLLWAY JURISDICTION J1704000)
 - TRAFFIC LANE
 - WORK ZONE
 - STABILIZED CONSTRUCTION ENTRANCE (JS280070)
 - BARRICADE, TYPE III
 - DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
 - ARROW BOARD

END WORK ZONE SPEED LIMIT



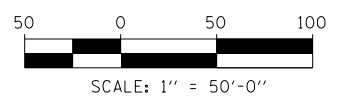
W1-6R0-6030 ABOVE TYPE III BARRICADE

S3

S5

CONSTRUCTED UNDER SEPARATE CONTRACT

- NOTES:**
1. TEMPORARY MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE IV ON IDOT AND TOLLWAY JURISDICTIONAL SURFACES. TEMPORARY EPOXY PAVEMENT MARKINGS TO BE USED OVER WINTER MONTHS.
 2. DRUM BARRICADES SHALL BE SPACED 50' ON-CENTER IN TANGENT SECTIONS AND 25' ON-CENTER IN CURVES AND TAPER SECTIONS.



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 CHECKED BY
 DATE *4-3-2020*
 SCALE *1:50*

TYLIN INTERNATIONAL



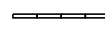

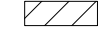




THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

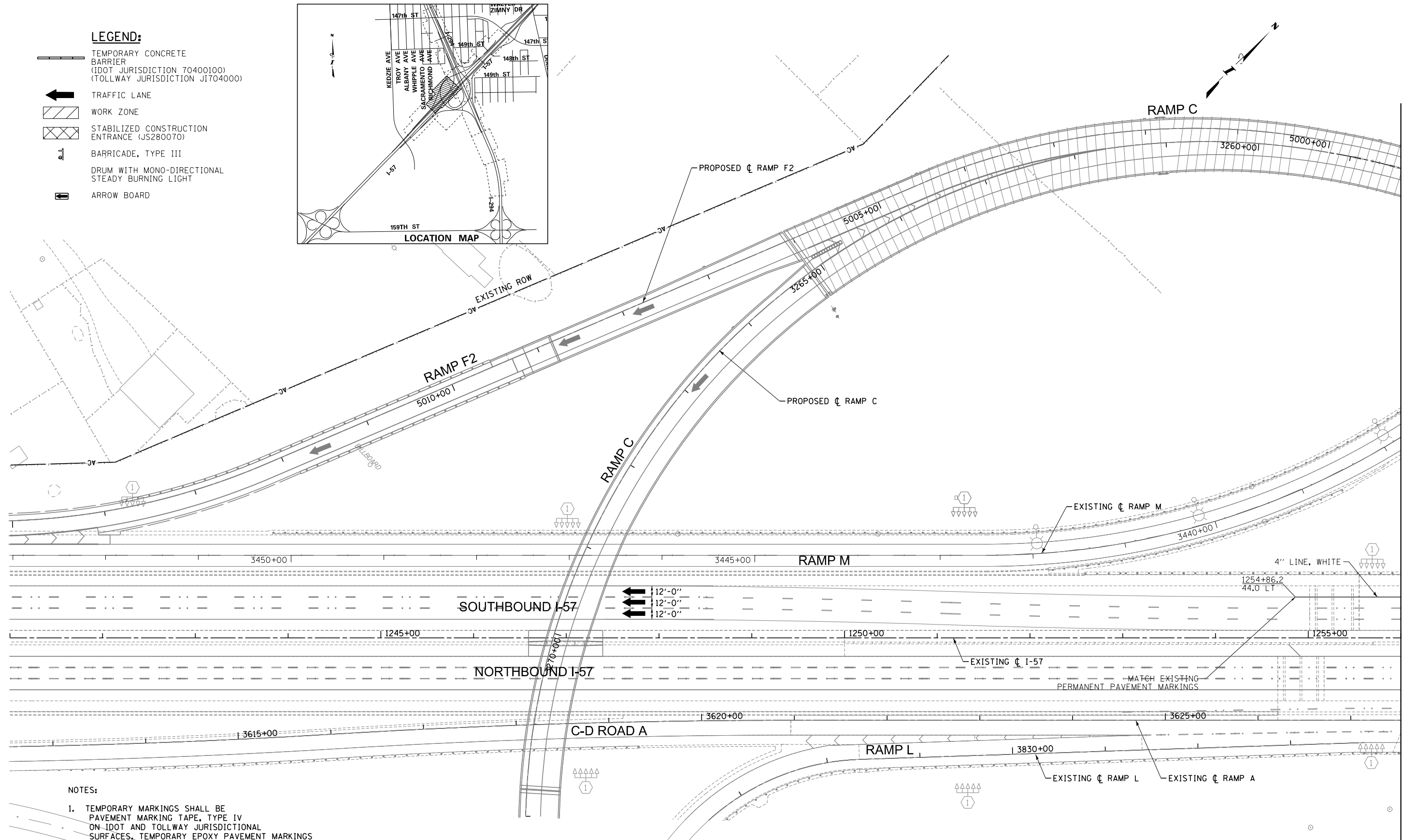
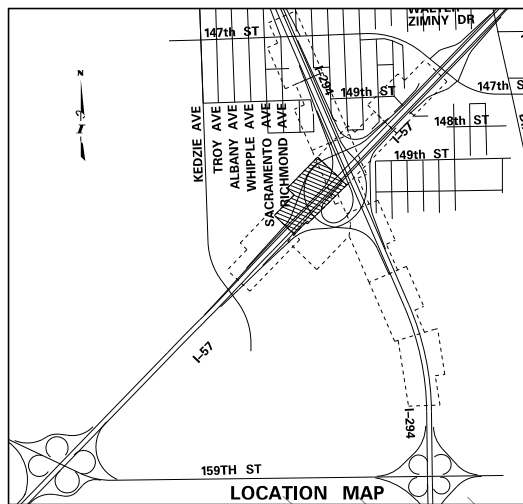
REVISIONS	
NO.	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 MAINTENANCE OF TRAFFIC PLAN
 STAGE 1

SHEET *MOT-12*
 46 OF 606

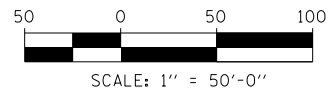
LEGEND:

-  TEMPORARY CONCRETE BARRIER (IDOT JURISDICTION 70400100) (TOLLWAY JURISDICTION J1704000)
-  TRAFFIC LANE
-  WORK ZONE
-  STABILIZED CONSTRUCTION ENTRANCE (JS280070)
-  BARRICADE, TYPE III
-  DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
-  ARROW BOARD



NOTES:

1. TEMPORARY MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE IV ON IDOT AND TOLLWAY JURISDICTIONAL SURFACES. TEMPORARY EPOXY PAVEMENT MARKINGS TO BE USED OVER WINTER MONTHS.
2. DRUM BARRICADES SHALL BE SPACED 50' ON-CENTER IN TANGENT SECTIONS AND 25' ON-CENTER IN CURVES AND TAPER SECTIONS.

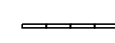


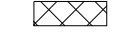





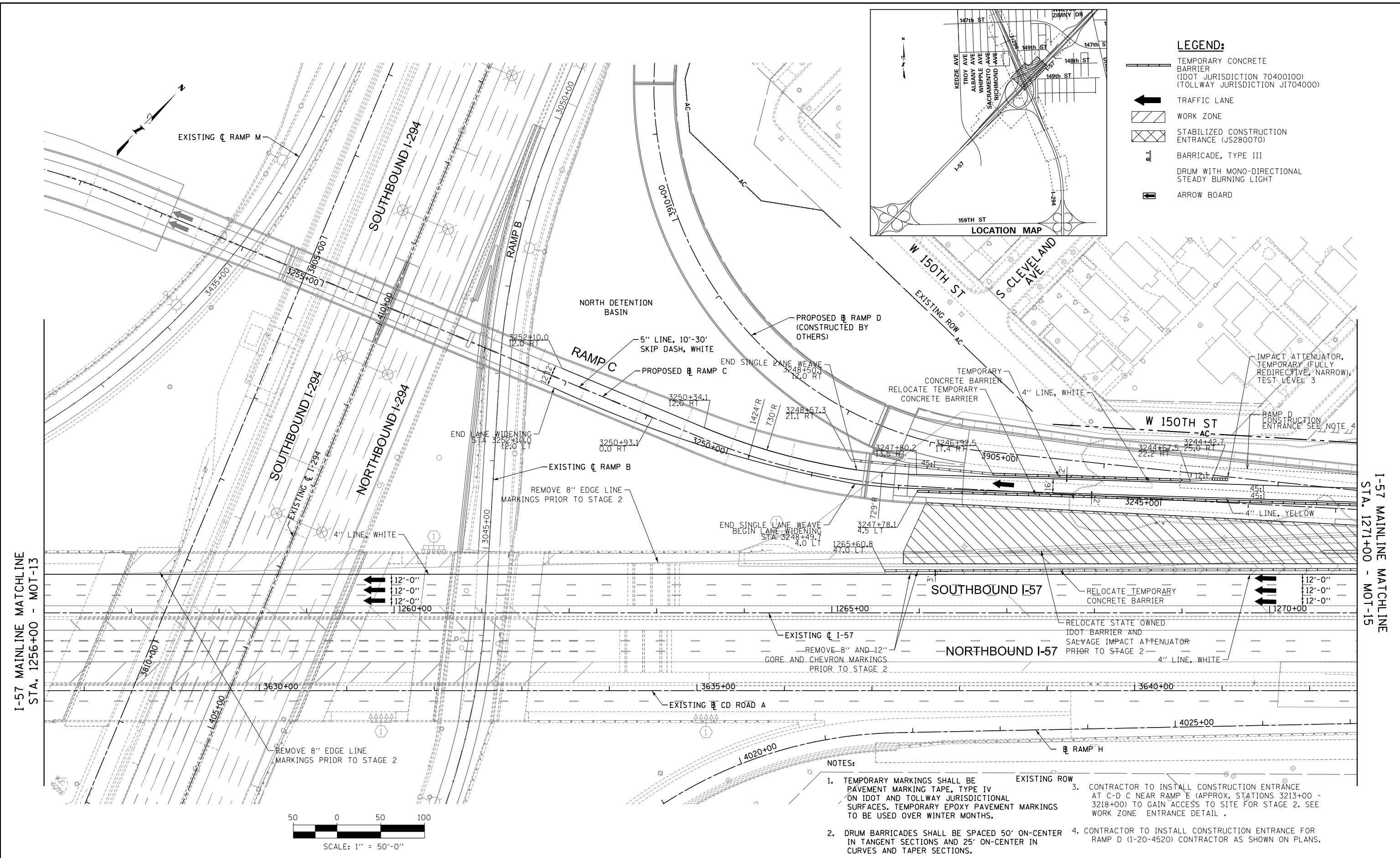
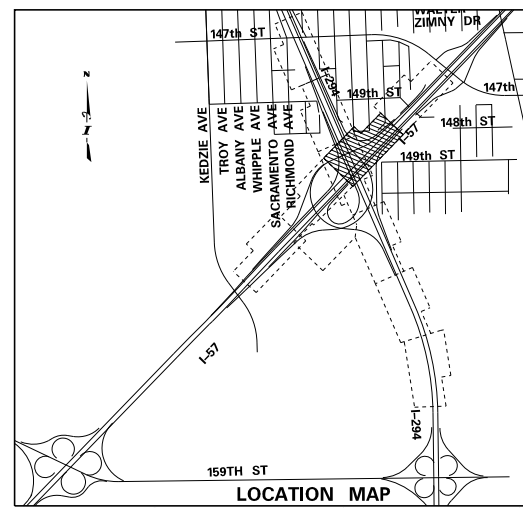
I-57 MAINLINE MATCHLINE STA. 1256+00 - MOT-14

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DRAWN BY E.J.G	DATE 4-3-2020		 <p style="font-size: small; margin: 0;">THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515</p>	REVISIONS			CONTRACT I-19-4495	SHEET MOT-13										
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NO.	DATE	DESCRIPTION																

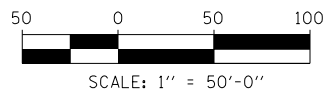
LEGEND:

-  TEMPORARY CONCRETE BARRIER (IDOT JURISDICTION 70400100) (TOLLWAY JURISDICTION J1704000)
-  TRAFFIC LANE
-  WORK ZONE
-  STABILIZED CONSTRUCTION ENTRANCE (JS280070)
-  BARRICADE, TYPE III
-  DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
-  ARROW BOARD



I-57 MAINLINE MATCHLINE STA. 1256+00 - MOT-13

I-57 MAINLINE MATCHLINE STA. 1271+00 - MOT-15



- NOTES:
- TEMPORARY MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE IV ON IDOT AND TOLLWAY JURISDICTIONAL SURFACES. TEMPORARY EPOXY PAVEMENT MARKINGS TO BE USED OVER WINTER MONTHS.
 - DRUM BARRICADES SHALL BE SPACED 50' ON-CENTER IN TANGENT SECTIONS AND 25' ON-CENTER IN CURVES AND TAPER SECTIONS.
 - CONTRACTOR TO INSTALL CONSTRUCTION ENTRANCE AT C-D C NEAR RAMP E (APPROX. STATIONS 3213+00 - 3218+00) TO GAIN ACCESS TO SITE FOR STAGE 2. SEE WORK ZONE ENTRANCE DETAIL.
 - CONTRACTOR TO INSTALL CONSTRUCTION ENTRANCE FOR RAMP D (I-20-4520) CONTRACTOR AS SHOWN ON PLANS.

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 DATE *4-3-2020*
 SCALE *1:50*

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

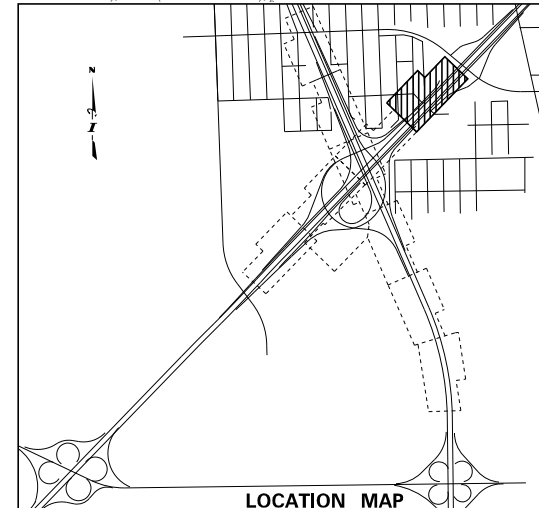
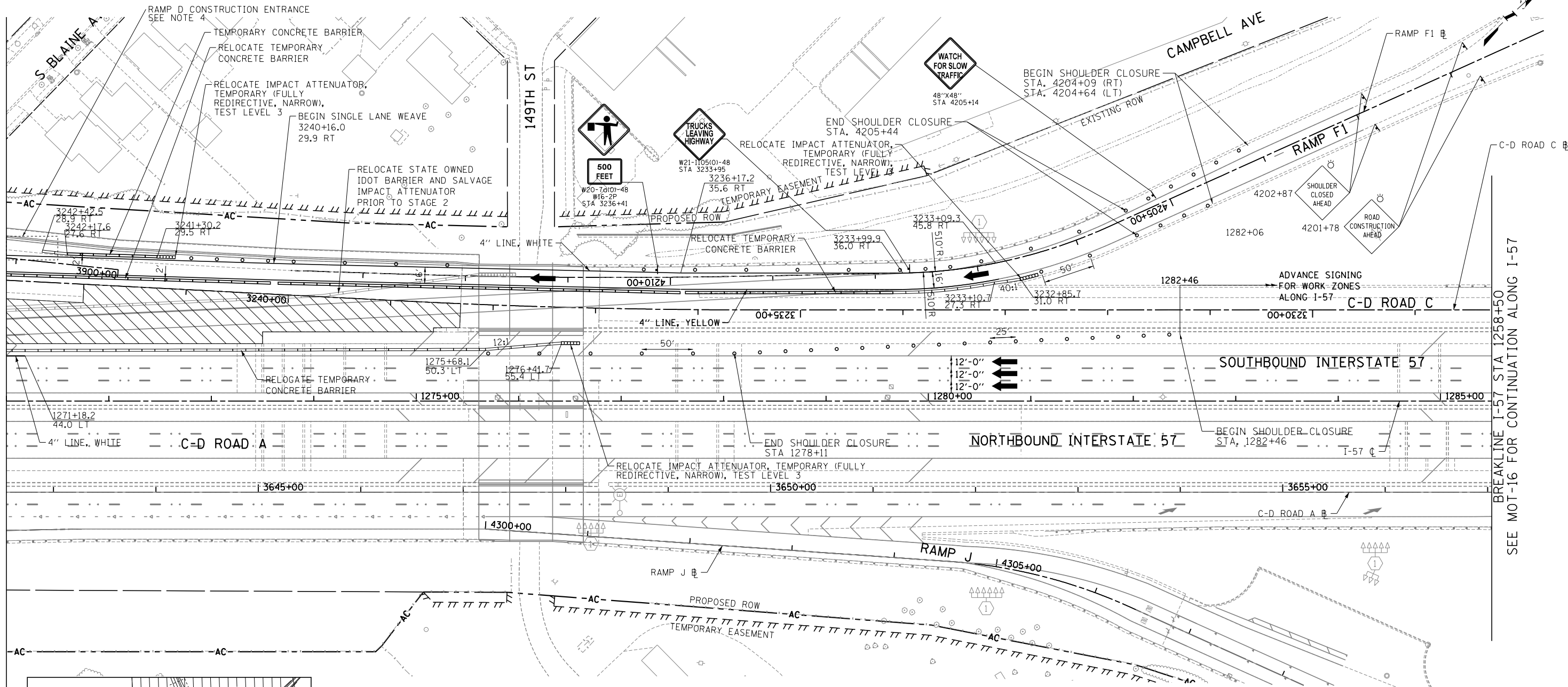
CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 MAINTENANCE OF TRAFFIC PLAN
 STAGE 2

SHEET *MOT-14*
48 OF **606**

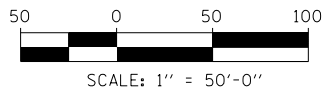
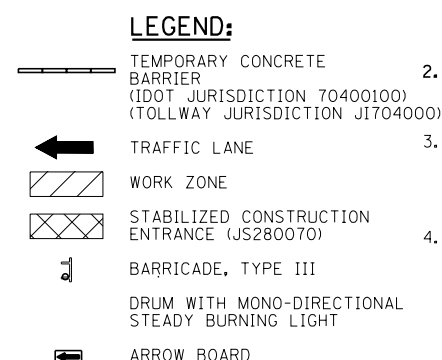
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I-57 MAINLINE MATCHLINE
STA. 1271+00 - MOT-14

BREAKLINE I-57 STA 1258+50
SEE MOT-16 FOR CONTINUATION ALONG I-57



- NOTES:**
1. TEMPORARY MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE IV ON IDOT AND TOLLWAY JURISDICTIONAL SURFACES. TEMPORARY EPOXY PAVEMENT MARKINGS TO BE USED OVER WINTER MONTHS.
 2. DRUM BARRICADES SHALL BE SPACED 50' ON-CENTER IN TANGENT SECTIONS AND 25' ON-CENTER IN CURVES AND TAPER SECTIONS.
 3. CONTRACTOR TO INSTALL CONSTRUCTION ENTRANCE AT C-D C NEAR RAMP E (APPROX. STATIONS 3213+00 - 3218+00) TO GAIN ACCESS TO SITE FOR STAGE 2. SEE WORK ZONE ENTRANCE DETAIL.
 4. CONTRACTOR TO INSTALL CONSTRUCTION ENTRANCE FOR RAMP D (I-20-4520) CONTRACTOR AS SHOWN ON PLANS.



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TYLIN INTERNATIONAL

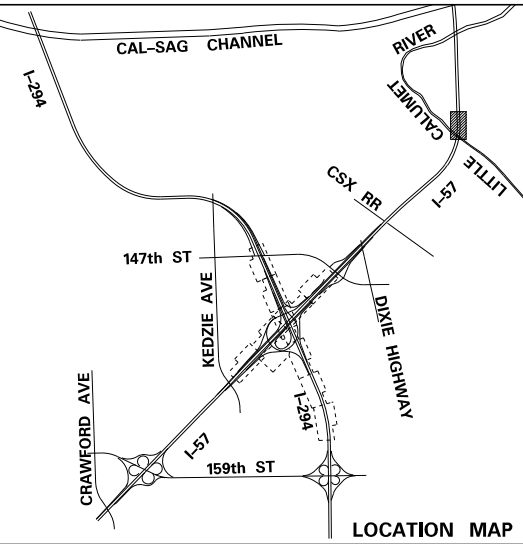


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

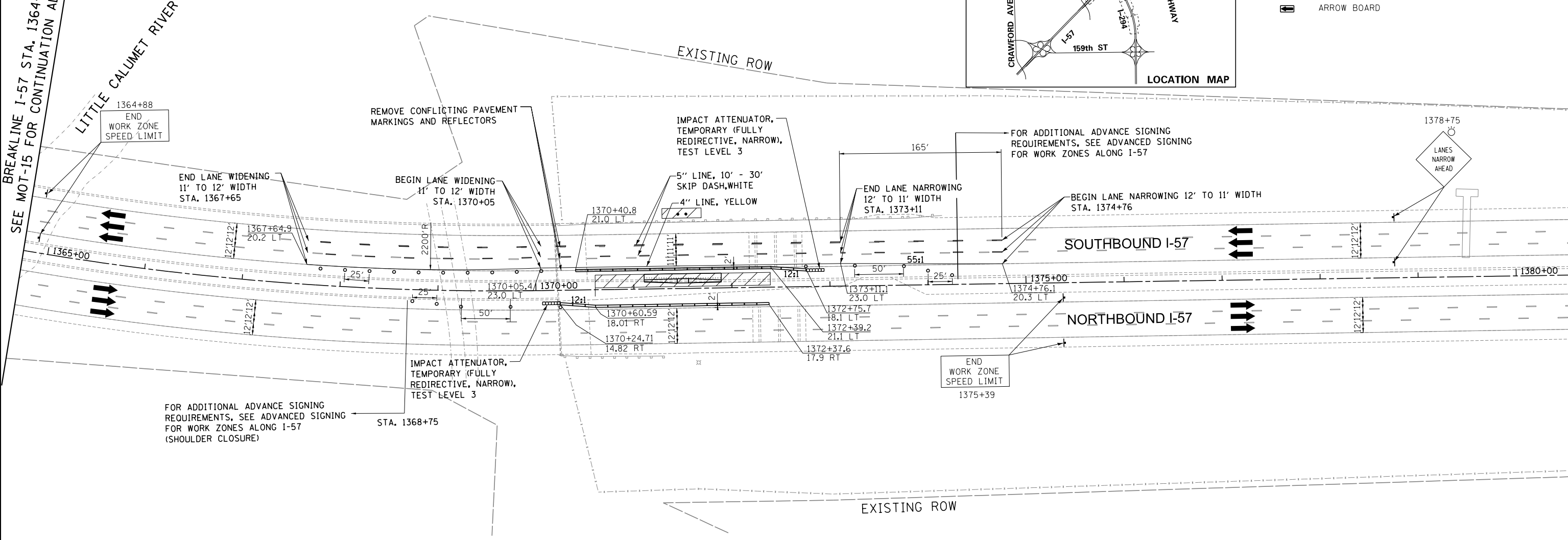
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2 MAINTENANCE OF TRAFFIC PLAN I-57 STAGE 2

SHEET MOT-15
49 OF 606

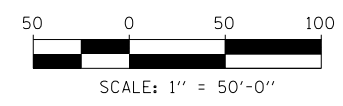


- LEGEND:**
- TEMPORARY CONCRETE BARRIER (IDOT JURISDICTION 70400100) (TOLLWAY JURISDICTION J1704000)
 - TRAFFIC LANE
 - WORK ZONE
 - STABILIZED CONSTRUCTION ENTRANCE (JS280070)
 - BARRICADE, TYPE III
 - DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
 - ARROW BOARD

BREAKLINE I-57 STA. 1364+75
SEE MOT-15 FOR CONTINUATION ALONG I-57



- NOTES:**
- TEMPORARY MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE IV ON IDOT AND TOLLWAY JURISDICTIONAL SURFACES. TEMPORARY EPOXY PAVEMENT MARKINGS TO BE USED OVER WINTER MONTHS.
 - DRUM BARRICADES SHALL BE SPACED 50' ON-CENTER IN TANGENT SECTIONS AND 25' ON-CENTER IN CURVES AND TAPER SECTIONS.



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CHECKED BY
DATE . . . 4-3-2020
SCALE . . . 1/50

TYLIN INTERNATIONAL

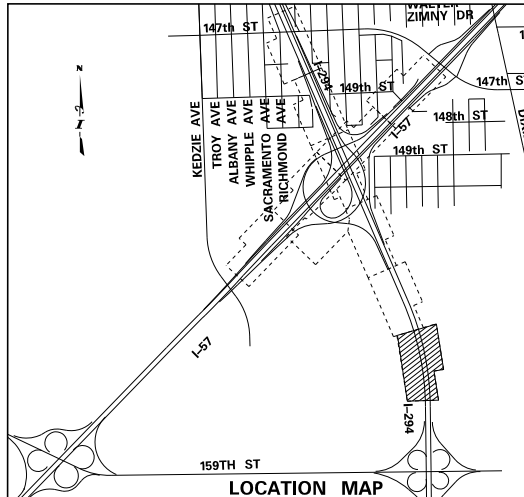
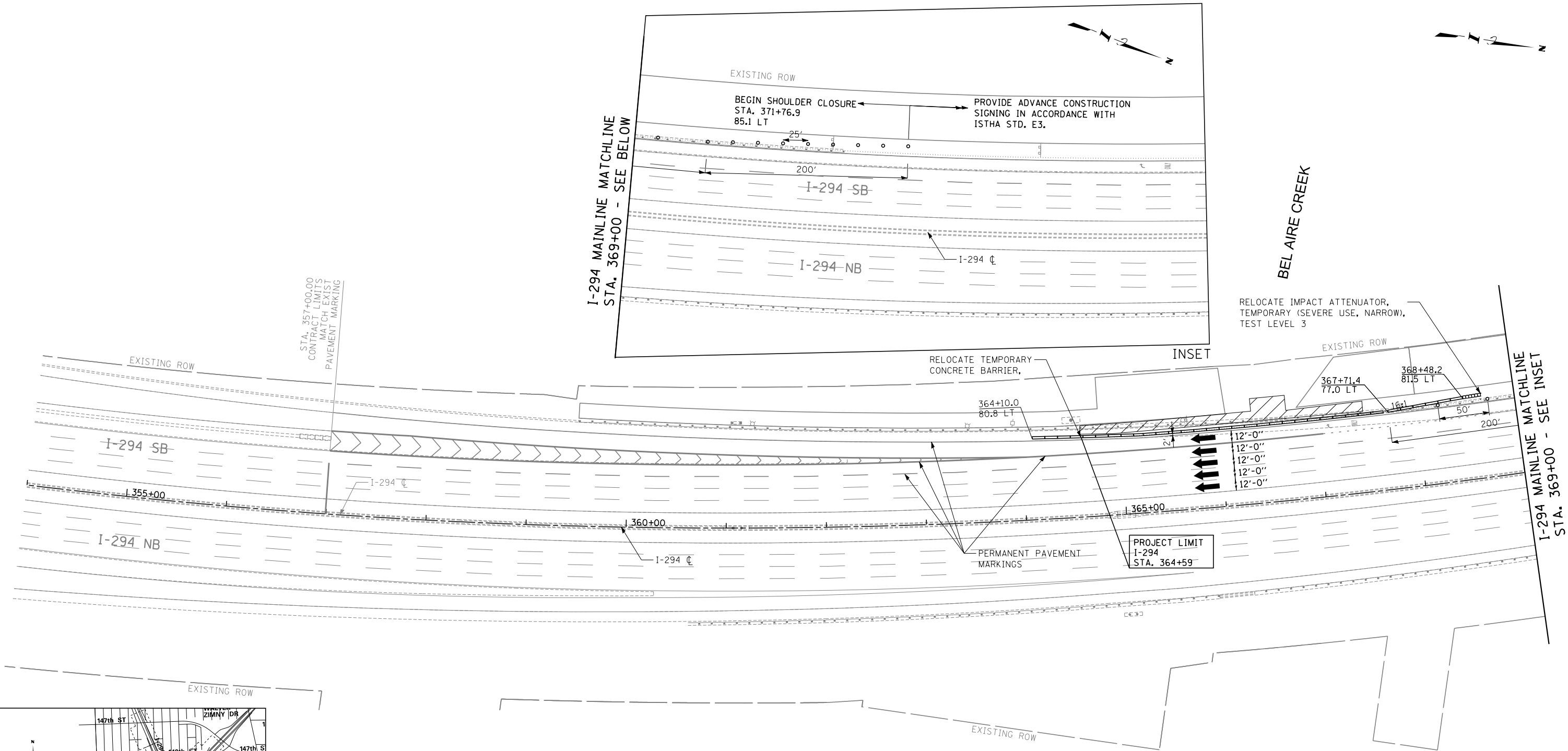
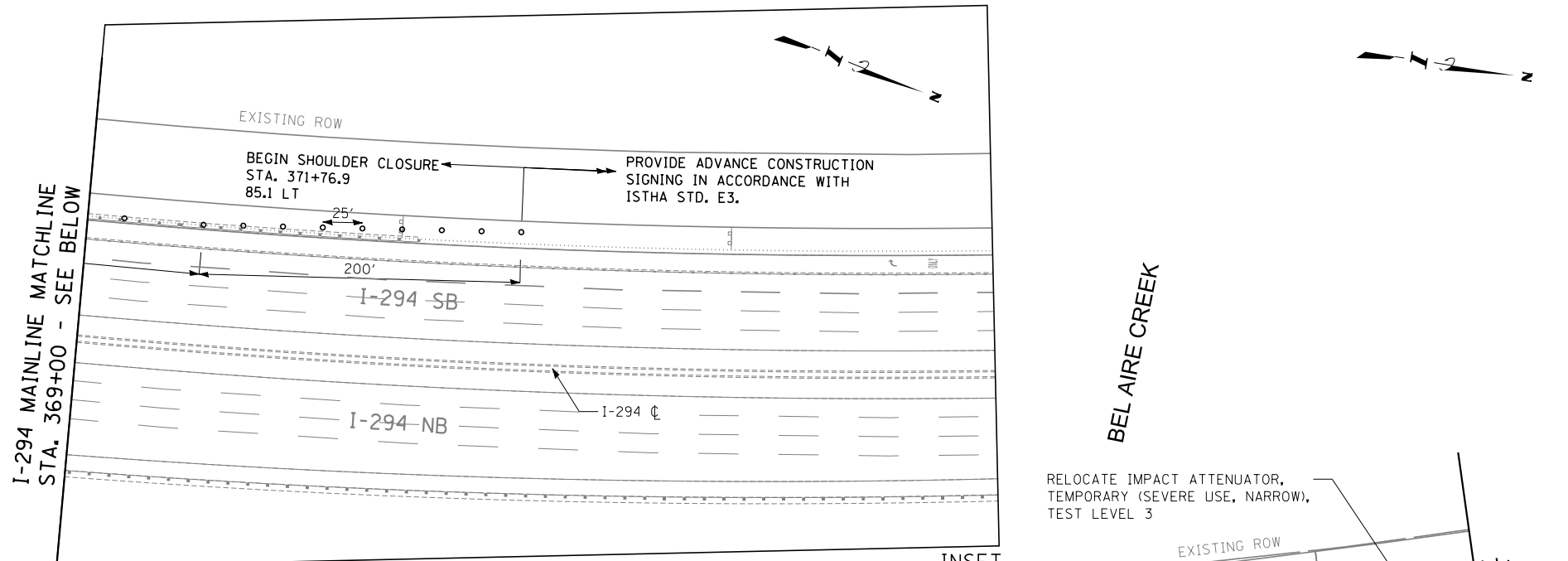


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
MAINTENANCE OF TRAFFIC PLAN
STAGE 2

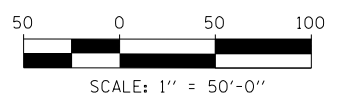
SHEET MOT-16
50 OF 606



- LEGEND:**
- TEMPORARY CONCRETE BARRIER (IDOT JURISDICTION 70400100) (TOLLWAY JURISDICTION J1704000)
 - TRAFFIC LANE
 - WORK ZONE
 - STABILIZED CONSTRUCTION ENTRANCE (JS280070)
 - BARRICADE, TYPE III
 - DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
 - ARROW BOARD

- NOTES:**
1. TEMPORARY MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE IV ON IDOT AND TOLLWAY JURISDICTIONAL SURFACES. TEMPORARY EPOXY PAVEMENT MARKINGS TO BE USED OVER WINTER MONTHS.
 2. DRUM BARRICADES SHALL BE SPACED 50' ON-CENTER IN TANGENT SECTIONS AND 25' ON-CENTER IN CURVES AND TAPER SECTIONS.

WORK ZONE SPEED LIMIT
I-294: 55 MPH



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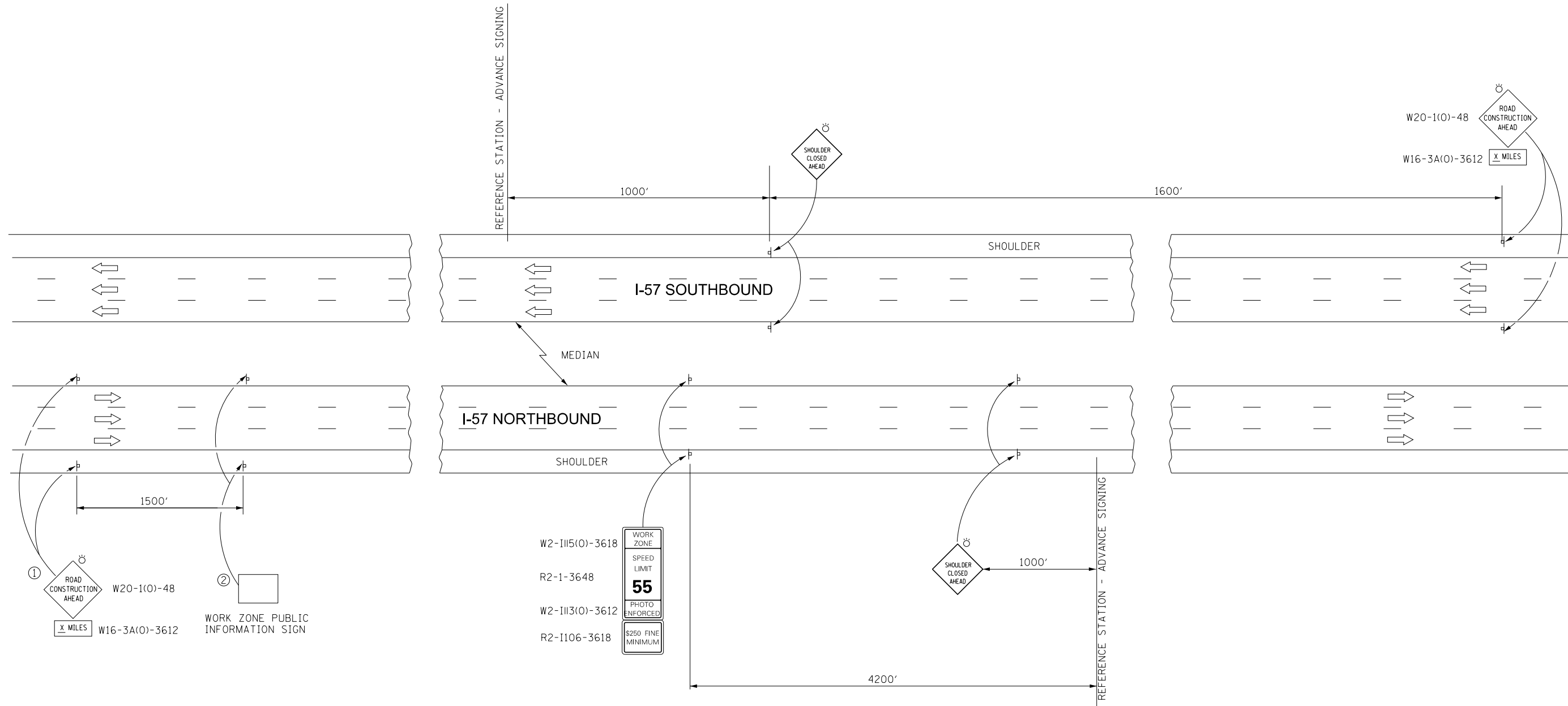


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
MAINTENANCE OF TRAFFIC PLAN
STAGE 2

SHEET MOT-17
51 OF 606



ADVANCE SIGNAGE NOTES:

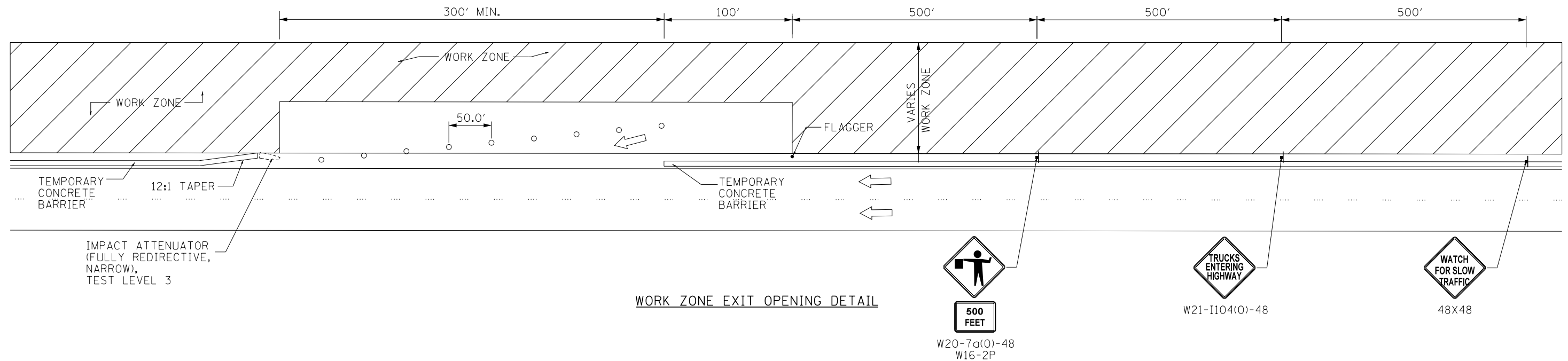
- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 TO 5 MILES IN ADVANCE OF THE PROJECT LIMITS (UNLESS OTHERWISE NOTED).
- ② THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.

SYMBOLS

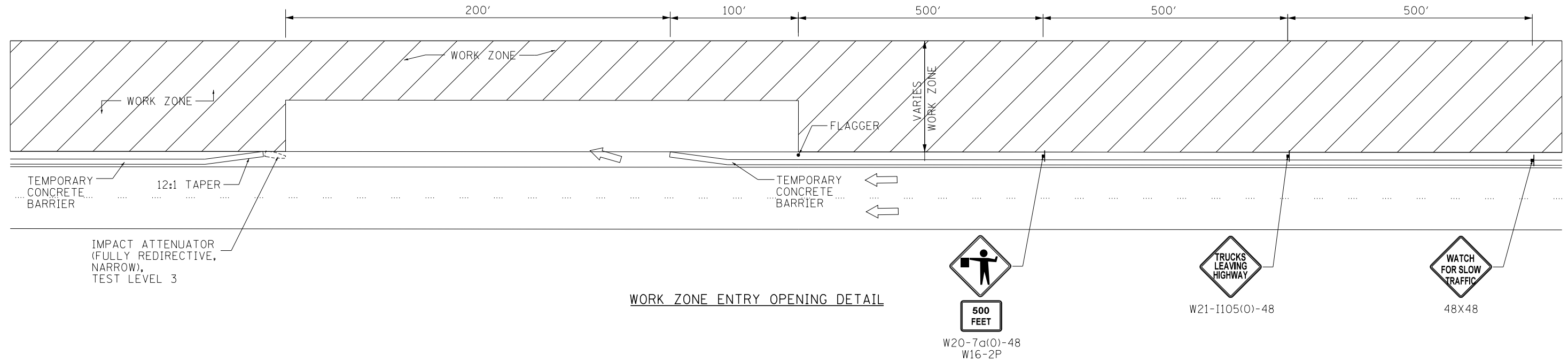
- ⊥ SIGN
- ⊕ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT

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				NO.	DATE	DESCRIPTION		
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WORK ZONE EXIT OPENING DETAIL



WORK ZONE ENTRY OPENING DETAIL

NOTES:

1. WORK ZONE OPENINGS WILL NOT BE ALLOWED ON SB I-57 WITHIN 1/4 MILE (1320 FT) BEFORE, WITHIN, OR 1/4 MILE AFTER THE LANE SHIFTS OR EXITS.
2. IDOT SHALL DETERMINE THE LOCATION AND FREQUENCY OF THE ALLOWED OPENING.
3. TEMPORARY PAVEMENT MARKINGS SHALL BE CARRIED THRU THE OPENING.
4. THE CONTRACTOR SHALL CLOSE OPENINGS WITH BARRELS WHEN NOT BEING USED.
5. THE RAMP D CONSTRUCTION ENTRANCE WILL BE INSTALLED BY THIS CONTRACT. THE RAMP D CONTRACTOR WILL BE RESPONSIBLE FOR CLOSING AND OPENING THE ENTRANCE.
6. SEE DISTRICT 1 STANDARD TC-18 FOR ADDITIONAL SIGN, FLAGGER AND ARROW BOARD REQUIREMENTS.

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

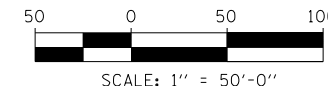
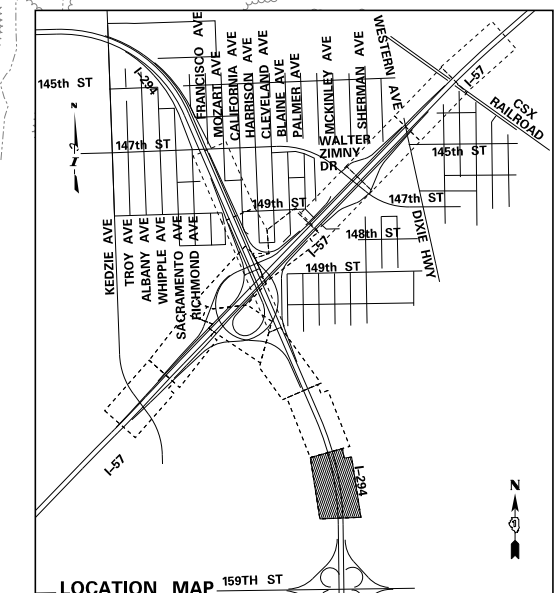
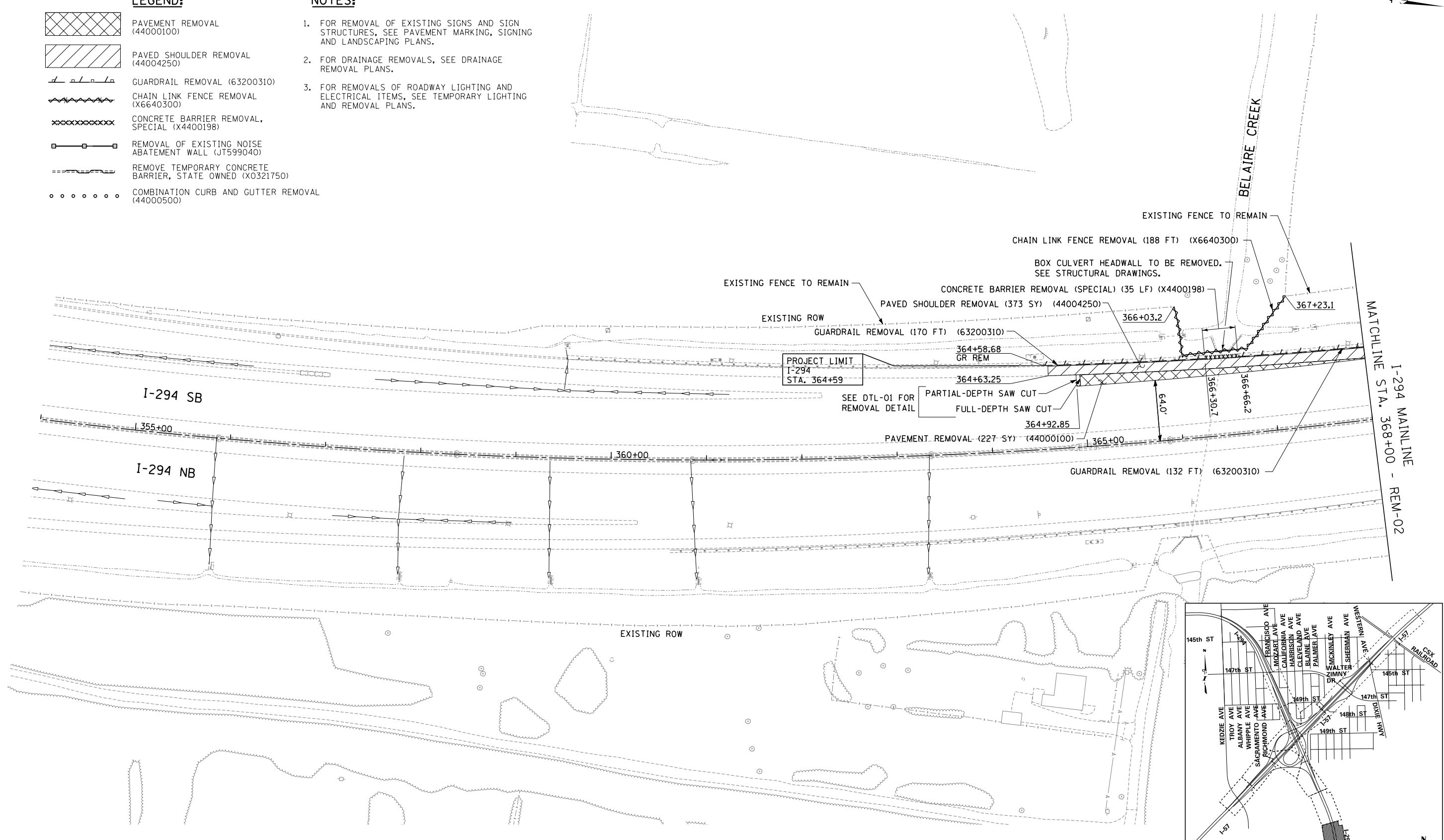
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
WORK ZONE ENTRANCE DETAIL

SHEET MOT-19
53 OF 606

LEGEND:

	PAVEMENT REMOVAL (44000100)
	PAVED SHOULDER REMOVAL (44004250)
	GUARDRAIL REMOVAL (63200310)
	CHAIN LINK FENCE REMOVAL (X6640300)
	CONCRETE BARRIER REMOVAL, SPECIAL (X4400198)
	REMOVAL OF EXISTING NOISE ABATEMENT WALL (JT599040)
	REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED (X0321750)
	COMBINATION CURB AND GUTTER REMOVAL (44000500)

- NOTES:**
1. FOR REMOVAL OF EXISTING SIGNS AND SIGN STRUCTURES, SEE PAVEMENT MARKING, SIGNING AND LANDSCAPING PLANS.
 2. FOR DRAINAGE REMOVALS, SEE DRAINAGE REMOVAL PLANS.
 3. FOR REMOVALS OF ROADWAY LIGHTING AND ELECTRICAL ITEMS, SEE TEMPORARY LIGHTING AND REMOVAL PLANS.



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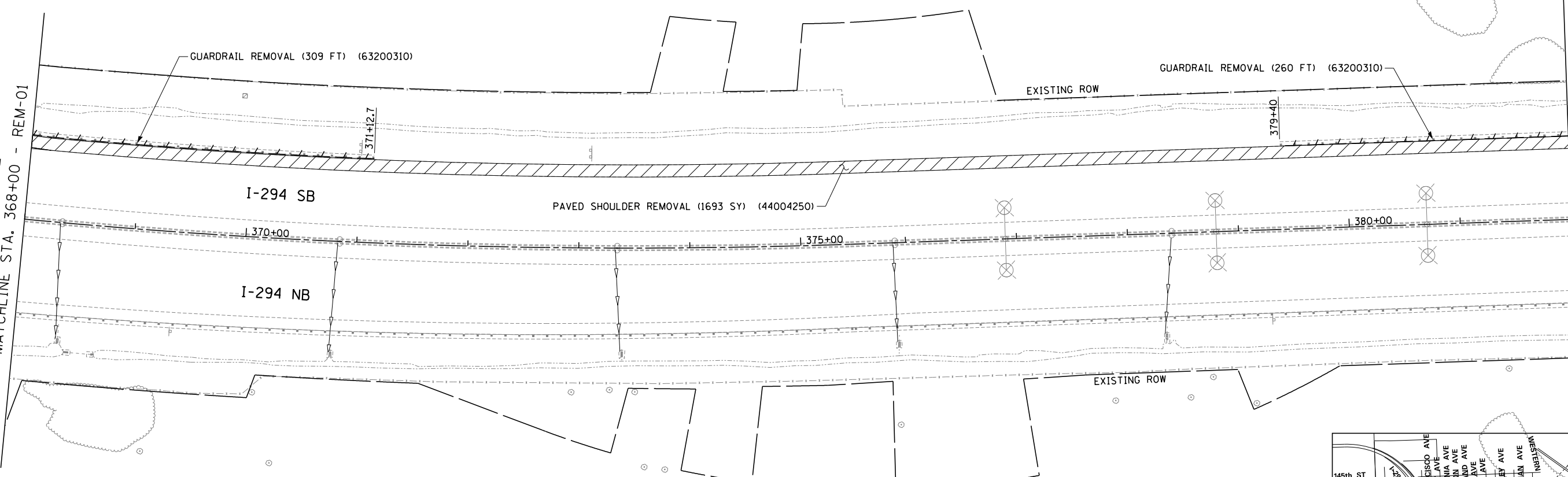
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION



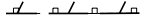
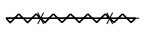
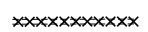
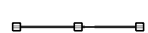


CONTRACT I-19-4495
 I-57 AT 294 RAMP C AND F2
 REMOVAL PLAN
 SHEET REM-01
 54 OF 606

I-294 MAINLINE
MATCHLINE STA. 368+00 - REM-01

I-294 MAINLINE
MATCHLINE STA. 382+00 - REM-03

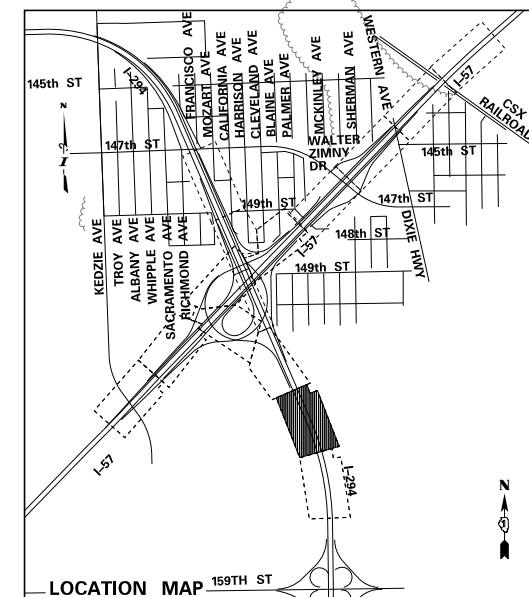
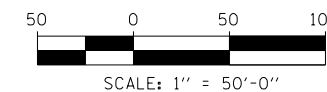


LEGEND:

-  PAVEMENT REMOVAL (44000100)
-  PAVED SHOULDER REMOVAL (44004250)
-  GUARDRAIL REMOVAL (63200310)
-  CHAIN LINK FENCE REMOVAL (X6640300)
-  CONCRETE BARRIER REMOVAL, SPECIAL (X4400198)
-  REMOVAL OF EXISTING NOISE ABATEMENT WALL (JT599040)
-  REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED (X0321750)
-  COMBINATION CURB AND GUTTER REMOVAL (44000500)

NOTES:

1. FOR REMOVAL OF EXISTING SIGNS AND SIGN STRUCTURES, SEE PAVEMENT MARKING, SIGNING AND LANDSCAPING PLANS.
2. FOR DRAINAGE REMOVALS, SEE DRAINAGE REMOVAL PLANS.
3. FOR REMOVALS OF ROADWAY LIGHTING AND ELECTRICAL ITEMS, SEE TEMPORARY LIGHTING AND REMOVAL PLANS.



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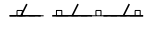
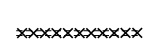
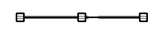





THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

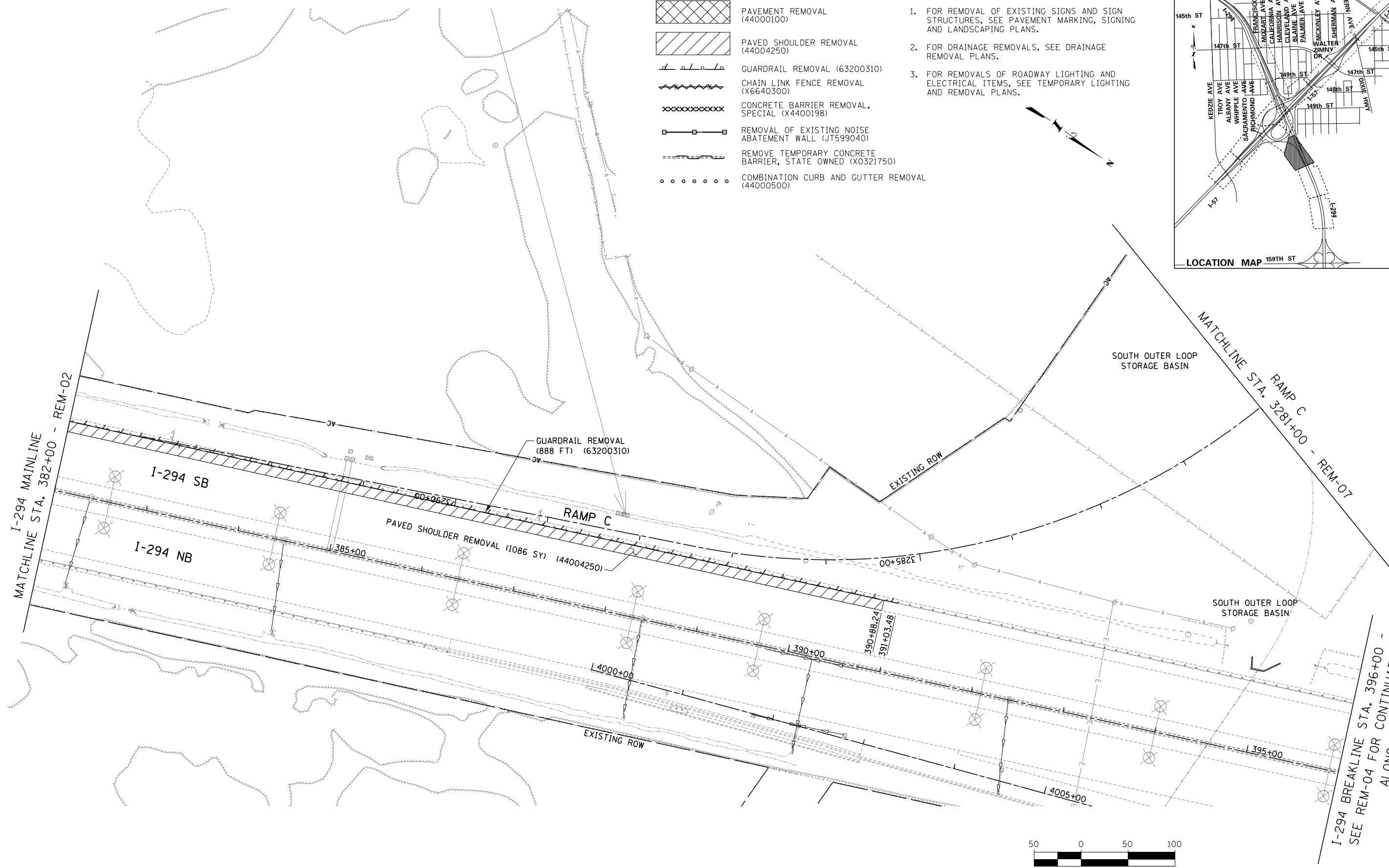
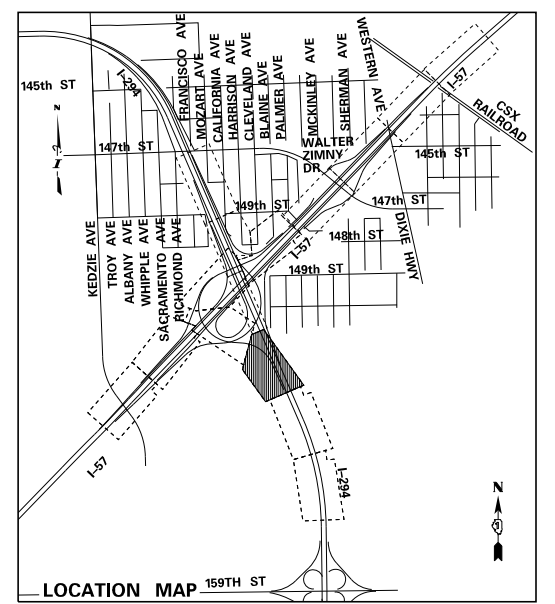
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
REMOVAL PLAN

SHEET *REM-02*
55 OF *606*

- LEGEND:**
-  PAVEMENT REMOVAL (4400100)
 -  PAVED SHOULDER REMOVAL (44004250)
 -  GUARDRAIL REMOVAL (63200310)
 -  CHAIN LINK FENCE REMOVAL (X6640300)
 -  CONCRETE BARRIER REMOVAL, SPECIAL (X4400198)
 -  REMOVAL OF EXISTING NOISE ABATEMENT WALL (JT599040)
 -  REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED (X0321750)
 -  COMBINATION CURB AND GUTTER REMOVAL (44000500)

- NOTES:**
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 3. FOR REMOVALS OF ROADWAY LIGHTING AND ELECTRICAL ITEMS, SEE TEMPORARY LIGHTING AND REMOVAL PLANS.



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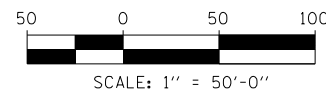
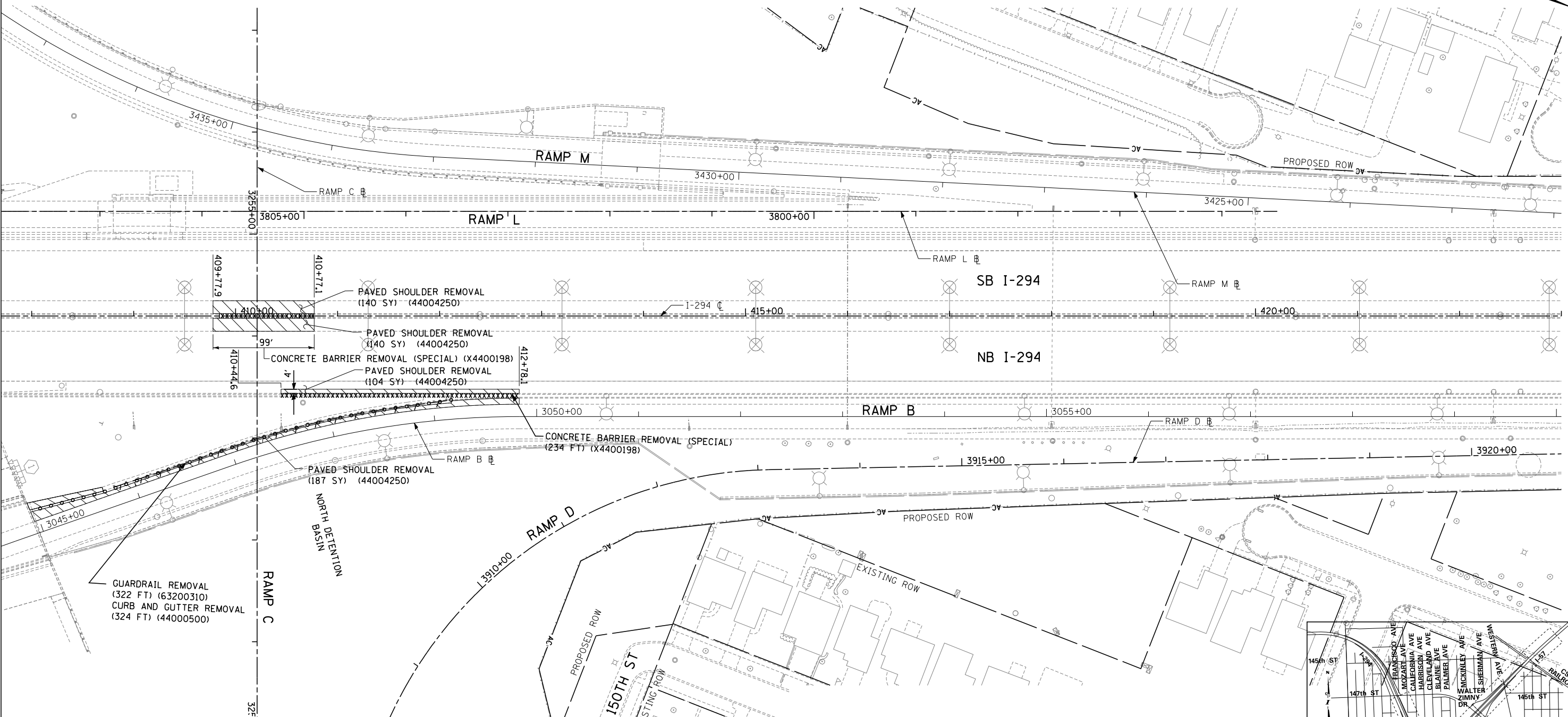


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 REMOVAL PLAN
 SHEET REM-03
 56 OF 606

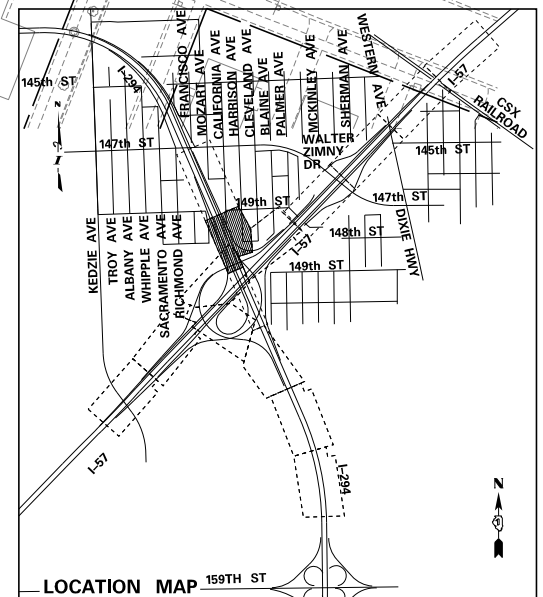
I-294 BREAKLINE STA. 407+70 - SEE REM-03 FOR CONTINUATION ALONG I-294



LEGEND:

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	PAVED SHOULDER REMOVAL (44004250)
	GUARDRAIL REMOVAL (63200310)
	CHAIN LINK FENCE REMOVAL (X6640300)
	CONCRETE BARRIER REMOVAL, SPECIAL (X4400198)
	REMOVAL OF EXISTING NOISE ABATEMENT WALL (JT599040)
	REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED (X0321750)
	COMBINATION CURB AND GUTTER REMOVAL (44000500)

- NOTES:**
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 3. FOR REMOVALS OF ROADWAY LIGHTING AND ELECTRICAL ITEMS, SEE TEMPORARY LIGHTING AND REMOVAL PLANS.



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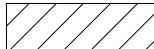
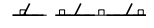
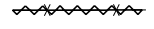

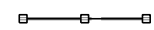


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
REMOVAL PLAN

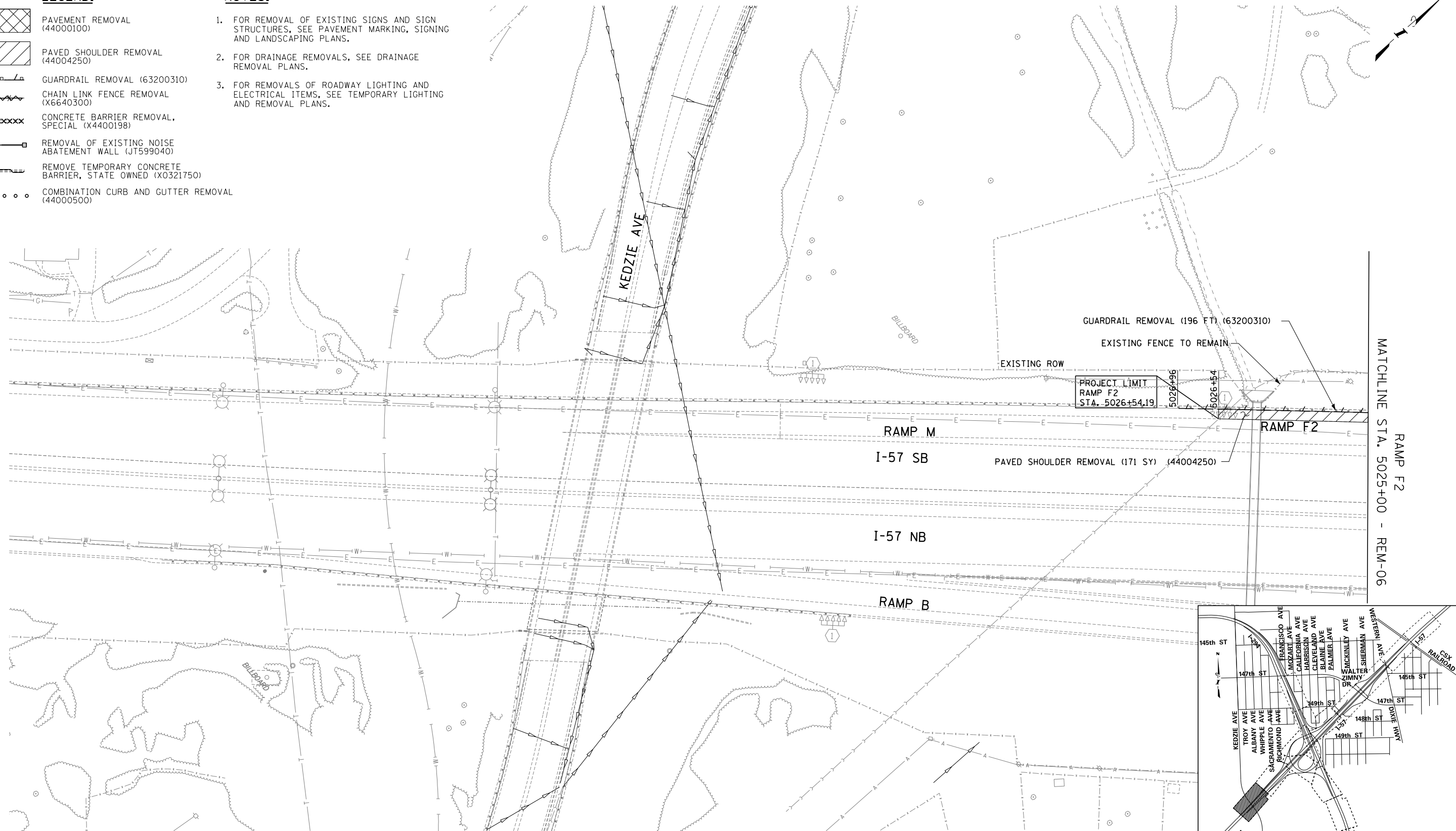
SHEET REM-04
57 OF 606

LEGEND:

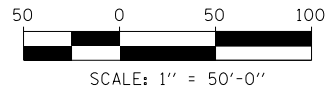
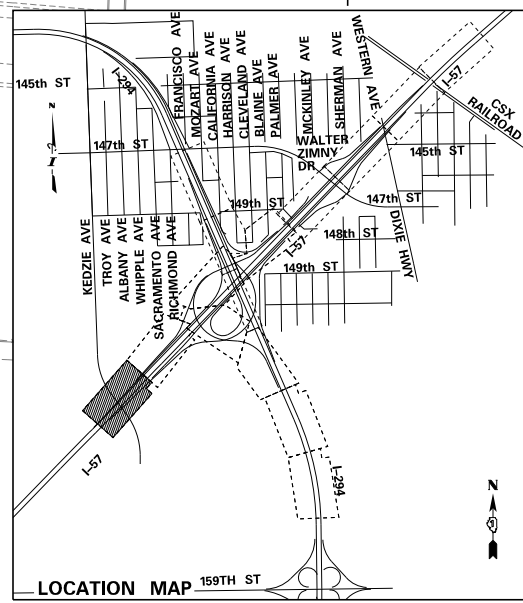
-  PAVEMENT REMOVAL (4400100)
-  PAVED SHOULDER REMOVAL (44004250)
-  GUARDRAIL REMOVAL (63200310)
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-  COMBINATION CURB AND GUTTER REMOVAL (44000500)

NOTES:

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3. FOR REMOVALS OF ROADWAY LIGHTING AND ELECTRICAL ITEMS, SEE TEMPORARY LIGHTING AND REMOVAL PLANS.



MATCHLINE STA. 5025+00 - REM-06
RAMP F2



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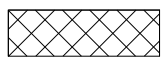
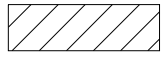
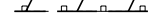
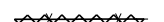



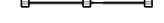
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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
REMOVAL PLAN

SHEET *REM-05*
58 OF **606**

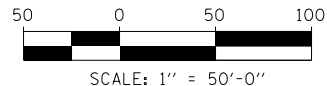
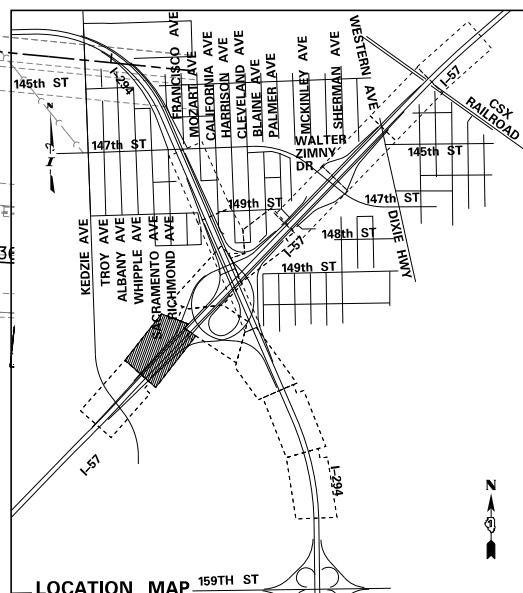
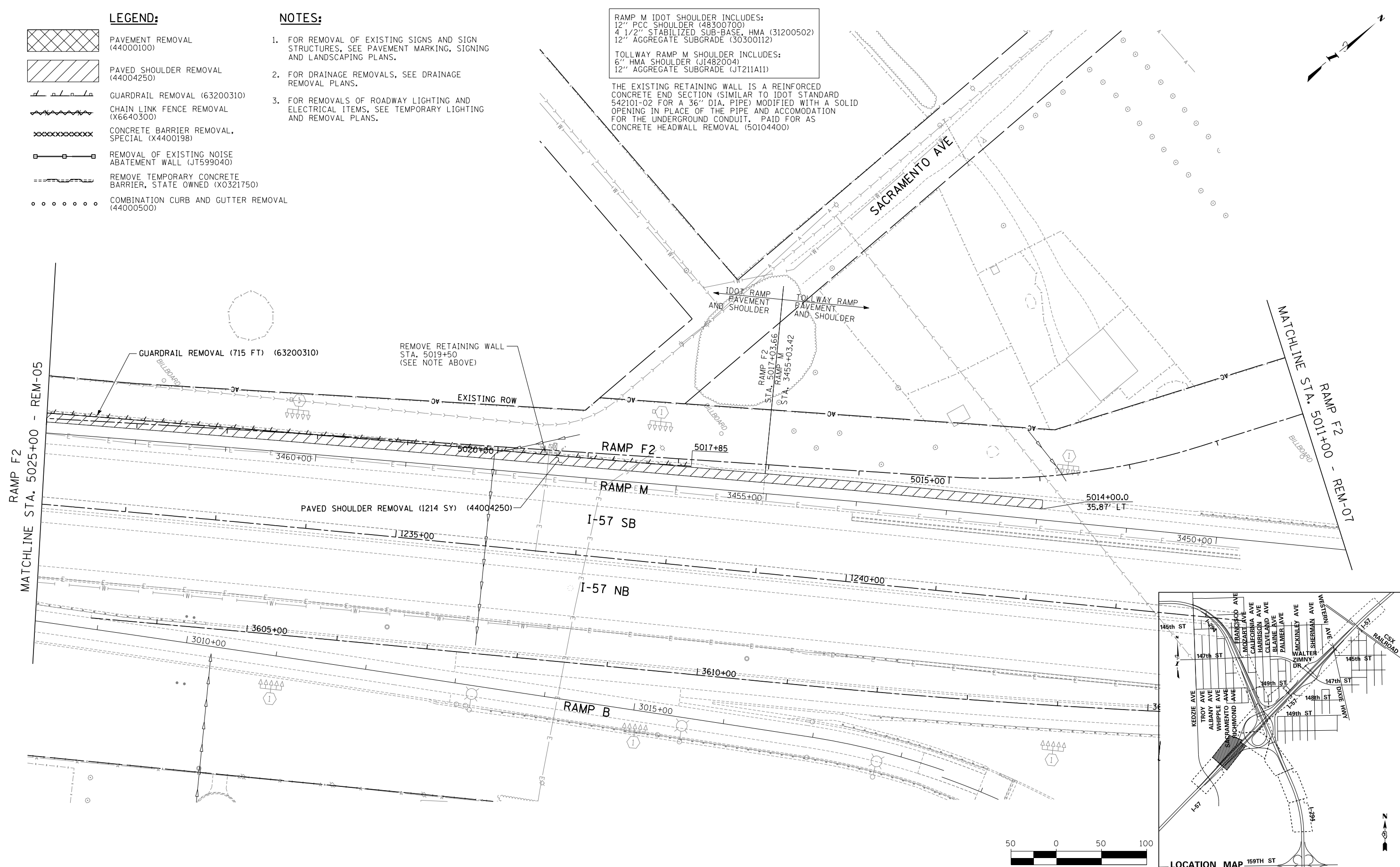
- LEGEND:**
-  PAVEMENT REMOVAL (44000100)
 -  PAVED SHOULDER REMOVAL (44004250)
 -  GUARDRAIL REMOVAL (63200310)
 -  CHAIN LINK FENCE REMOVAL (X6640300)
 -  CONCRETE BARRIER REMOVAL, SPECIAL (X4400198)
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 3. FOR REMOVALS OF ROADWAY LIGHTING AND ELECTRICAL ITEMS, SEE TEMPORARY LIGHTING AND REMOVAL PLANS.

RAMP M IDOT SHOULDER INCLUDES:
 12" PCC SHOULDER (48300700)
 4 1/2" STABILIZED SUB-BASE, HMA (31200502)
 12" AGGREGATE SUBGRADE (30300112)

TOLLWAY RAMP M SHOULDER INCLUDES:
 6" HMA SHOULDER (J1482004)
 12" AGGREGATE SUBGRADE (JT211A11)

THE EXISTING RETAINING WALL IS A REINFORCED CONCRETE END SECTION (SIMILAR TO IDOT STANDARD 542101-02 FOR A 36" DIA. PIPE) MODIFIED WITH A SOLID OPENING IN PLACE OF THE PIPE AND ACCOMMODATION FOR THE UNDERGROUND CONDUIT. PAID FOR AS CONCRETE HEADWALL REMOVAL (50104400)



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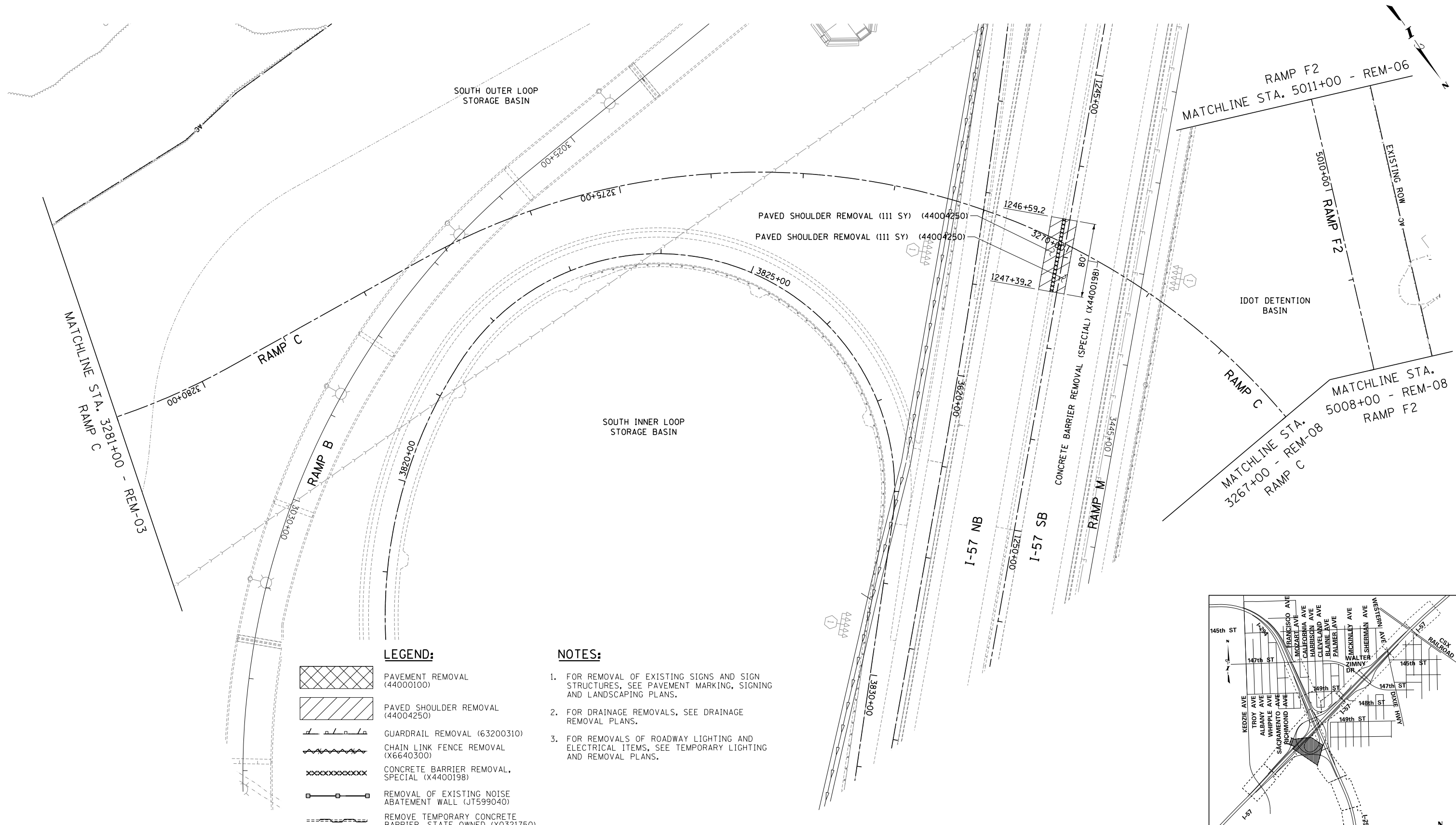


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

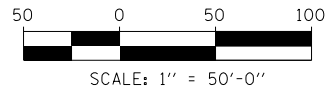
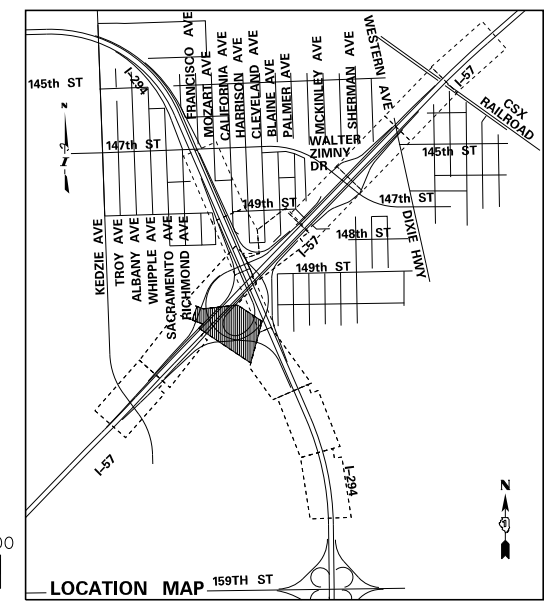
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 REMOVAL PLAN

SHEET REM-06
59 OF 606



- LEGEND:**
- PAVEMENT REMOVAL (44000100)
 - PAVED SHOULDER REMOVAL (44004250)
 - GUARDRAIL REMOVAL (63200310)
 - CHAIN LINK FENCE REMOVAL (X6640300)
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 - REMOVAL OF EXISTING NOISE ABATEMENT WALL (JT599040)
 - REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED (X0321750)
 - COMBINATION CURB AND GUTTER REMOVAL (44000500)
- NOTES:**
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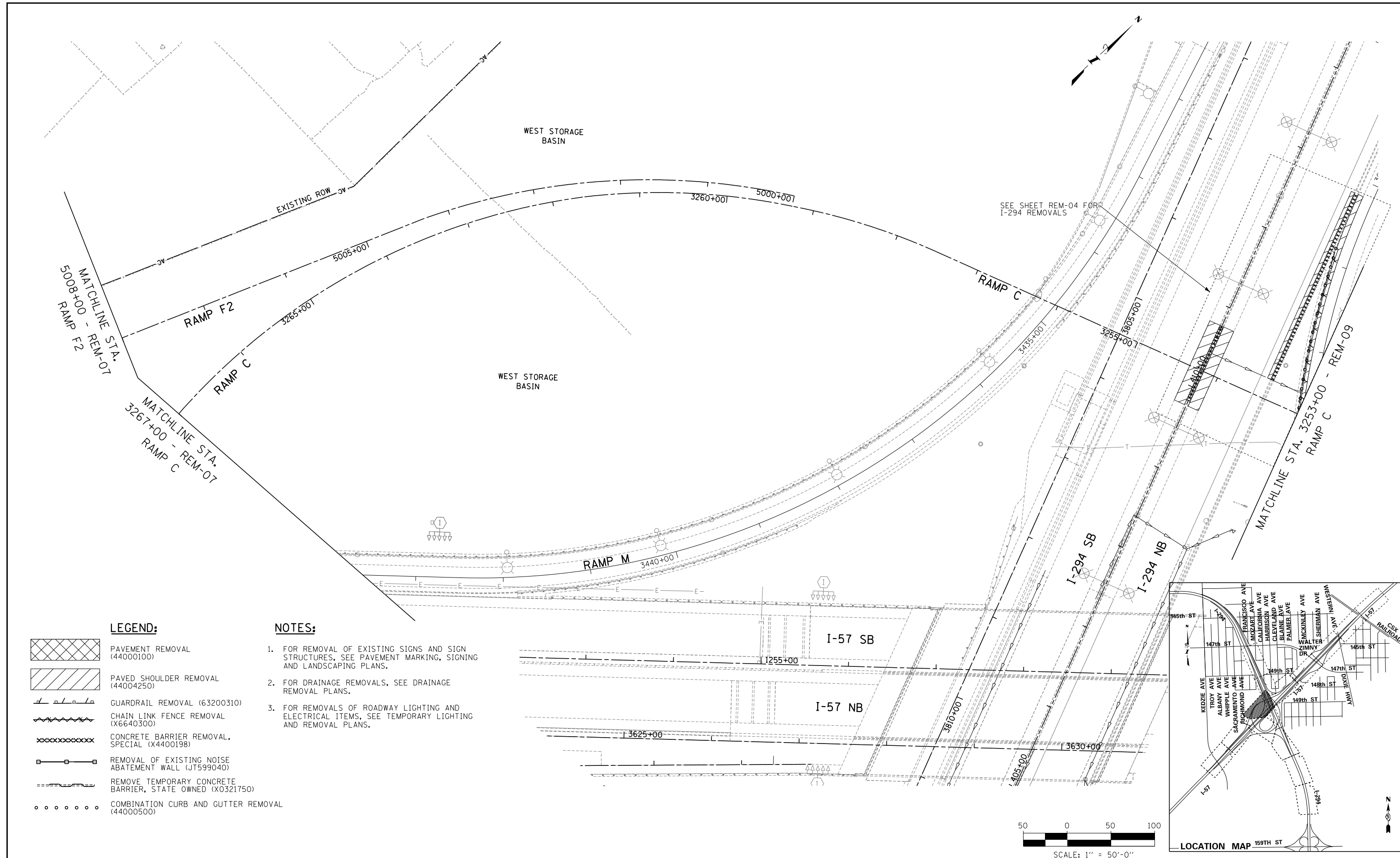
TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 REMOVAL PLAN
 SHEET REM-07
 60 OF 606



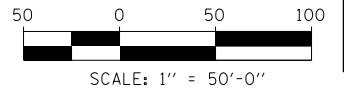
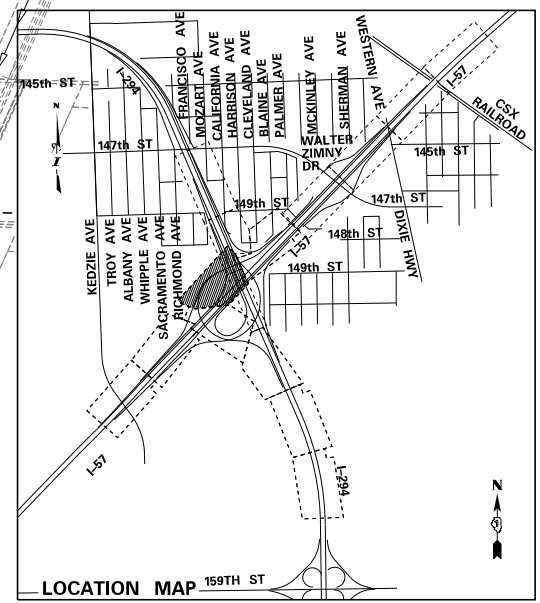
LEGEND:

- PAVEMENT REMOVAL (44000100)
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- REMOVAL OF EXISTING NOISE ABATEMENT WALL (JT599040)
- REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED (X0321750)
- COMBINATION CURB AND GUTTER REMOVAL (44000500)

NOTES:

1. FOR REMOVAL OF EXISTING SIGNS AND SIGN STRUCTURES, SEE PAVEMENT MARKING, SIGNING AND LANDSCAPING PLANS.
2. FOR DRAINAGE REMOVALS, SEE DRAINAGE REMOVAL PLANS.
3. FOR REMOVALS OF ROADWAY LIGHTING AND ELECTRICAL ITEMS, SEE TEMPORARY LIGHTING AND REMOVAL PLANS.

SEE SHEET REM-04 FOR I-294 REMOVALS



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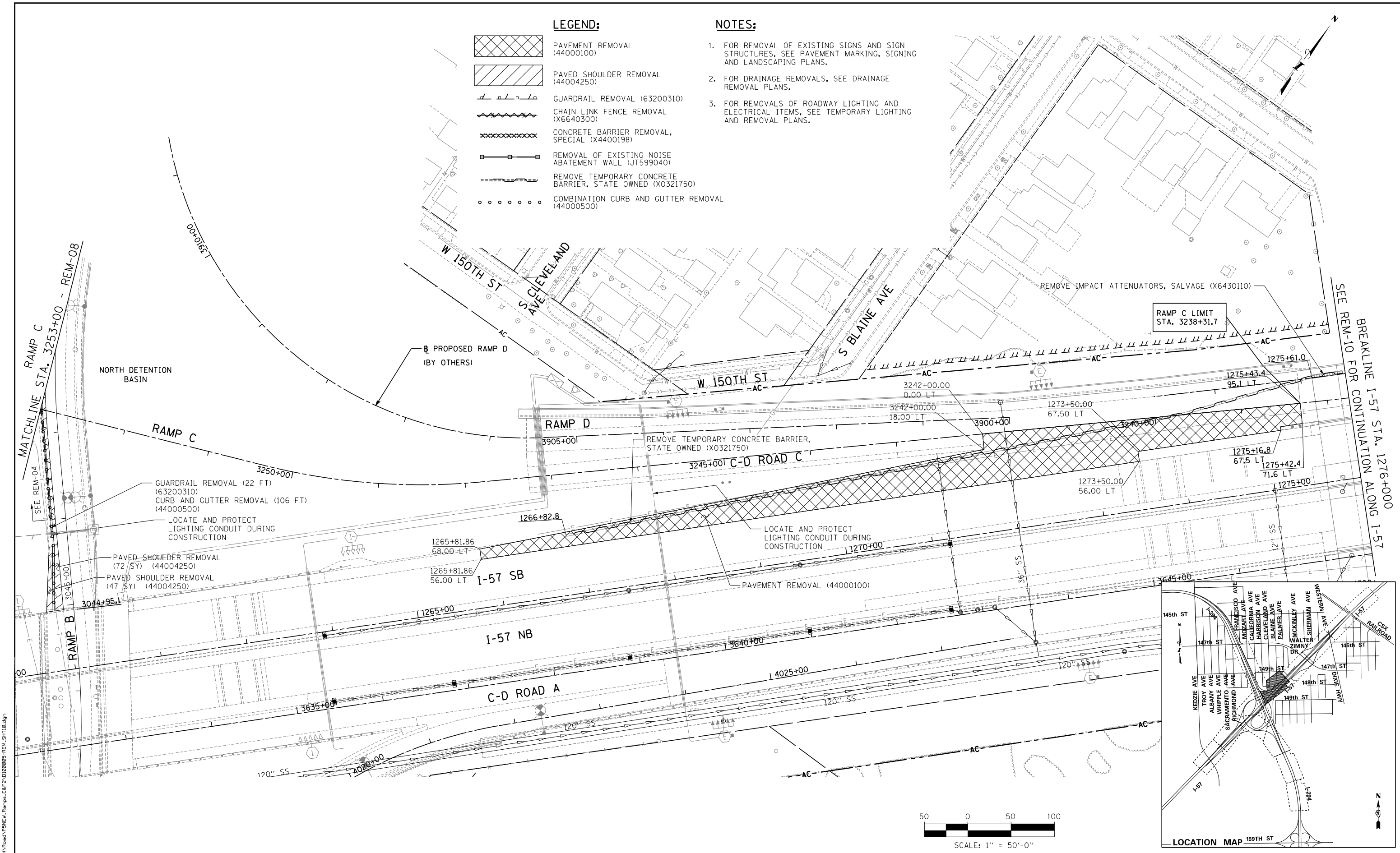
TYLIN INTERNATIONAL

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

<p style="font-weight: bold; margin: 0;">CONTRACT I-19-4495</p> <p style="font-weight: bold; margin: 0;">I-57 AT 294 RAMPS C AND F2 REMOVAL PLAN</p>	<p style="font-size: 0.8em; margin: 0;">SHEET REM-08</p> <p style="font-size: 1.2em; font-weight: bold; margin: 0;">61 OF 606</p>
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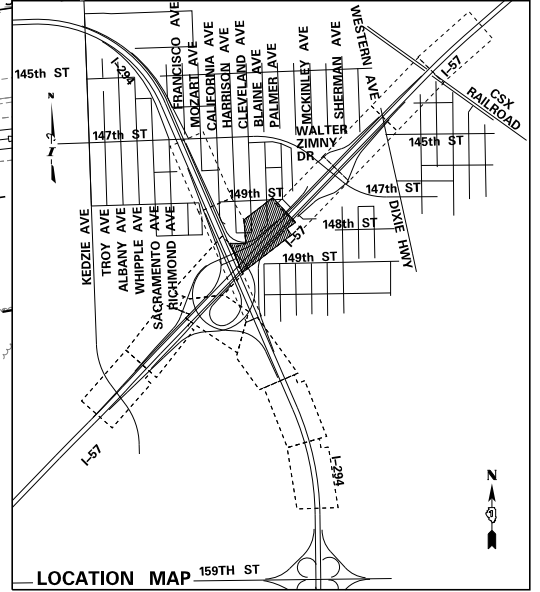
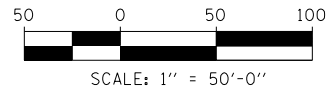


LEGEND:

- PAVEMENT REMOVAL (44000100)
- PAVED SHOULDER REMOVAL (44004250)
- GUARDRAIL REMOVAL (63200310)
- CHAIN LINK FENCE REMOVAL (X6640300)
- CONCRETE BARRIER REMOVAL, SPECIAL (X4400198)
- REMOVAL OF EXISTING NOISE ABATEMENT WALL (JT599040)
- REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED (X0321750)
- COMBINATION CURB AND GUTTER REMOVAL (44000500)

NOTES:

1. FOR REMOVAL OF EXISTING SIGNS AND SIGN STRUCTURES, SEE PAVEMENT MARKING, SIGNING AND LANDSCAPING PLANS.
2. FOR DRAINAGE REMOVALS, SEE DRAINAGE REMOVAL PLANS.
3. FOR REMOVALS OF ROADWAY LIGHTING AND ELECTRICAL ITEMS, SEE TEMPORARY LIGHTING AND REMOVAL PLANS.



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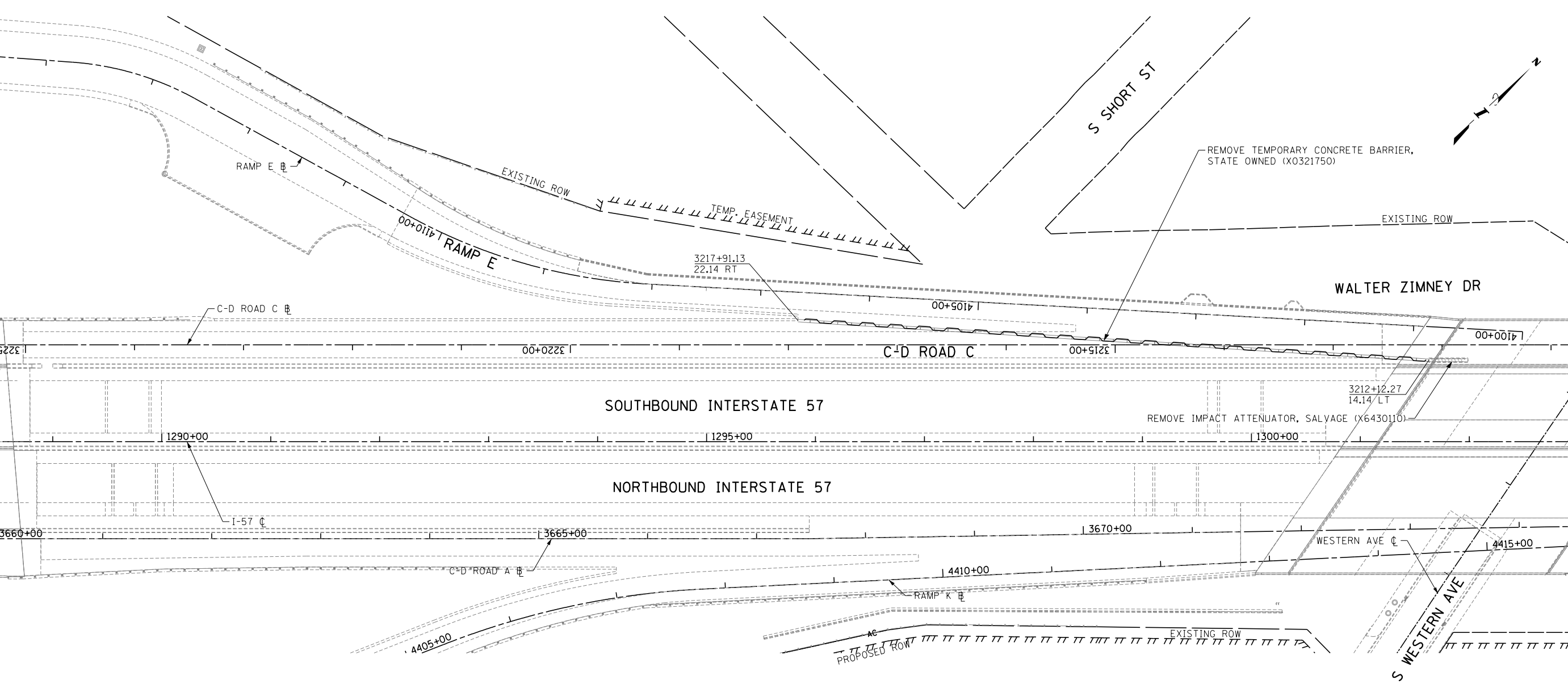
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
REMOVAL PLAN

SHEET REM-09
62 OF 606

BREAKLINE I-57 STA. 1288+50
SEE REM-09 FOR CONTINUATION ALONG I-57

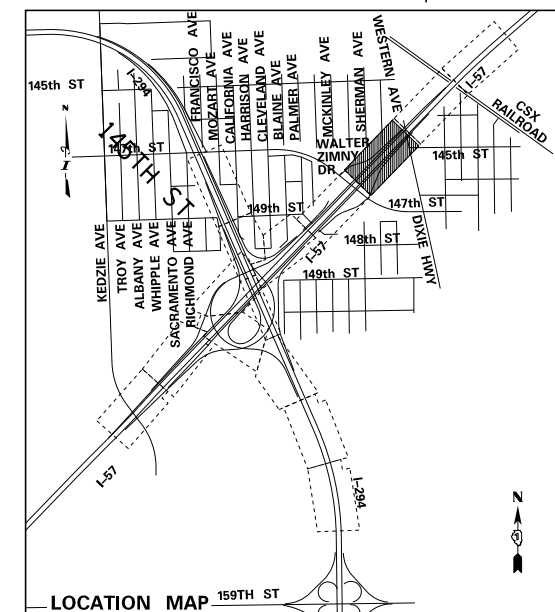
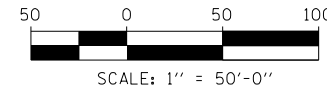


BREAKLINE I-57 STA. 1303+00
SEE REM-11 FOR CONTINUATION ALONG I-57

LEGEND:

	PAVEMENT REMOVAL (44000100)
	PAVED SHOULDER REMOVAL (44004250)
	GUARDRAIL REMOVAL (63200310)
	CHAIN LINK FENCE REMOVAL (X6640300)
	CONCRETE BARRIER REMOVAL, SPECIAL (X4400198)
	REMOVAL OF EXISTING NOISE ABATEMENT WALL (JT599040)
	REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED (X0321750)
	COMBINATION CURB AND GUTTER REMOVAL (44000500)

- NOTES:**
1. FOR REMOVAL OF EXISTING SIGNS AND SIGN STRUCTURES, SEE PAVEMENT MARKING, SIGNING AND LANDSCAPING PLANS.
 2. FOR DRAINAGE REMOVALS, SEE DRAINAGE REMOVAL PLANS.
 3. FOR REMOVALS OF ROADWAY LIGHTING AND ELECTRICAL ITEMS, SEE TEMPORARY LIGHTING AND REMOVAL PLANS.



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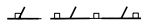
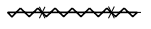

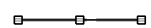
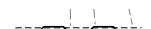

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
REMOVAL PLAN

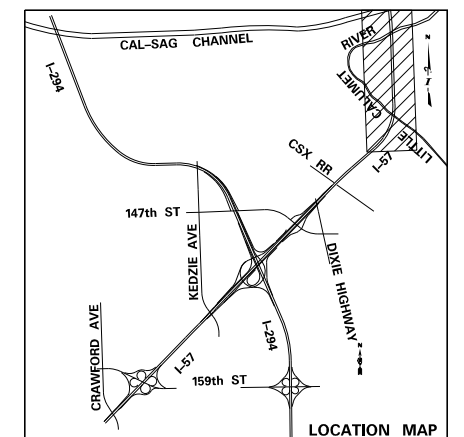
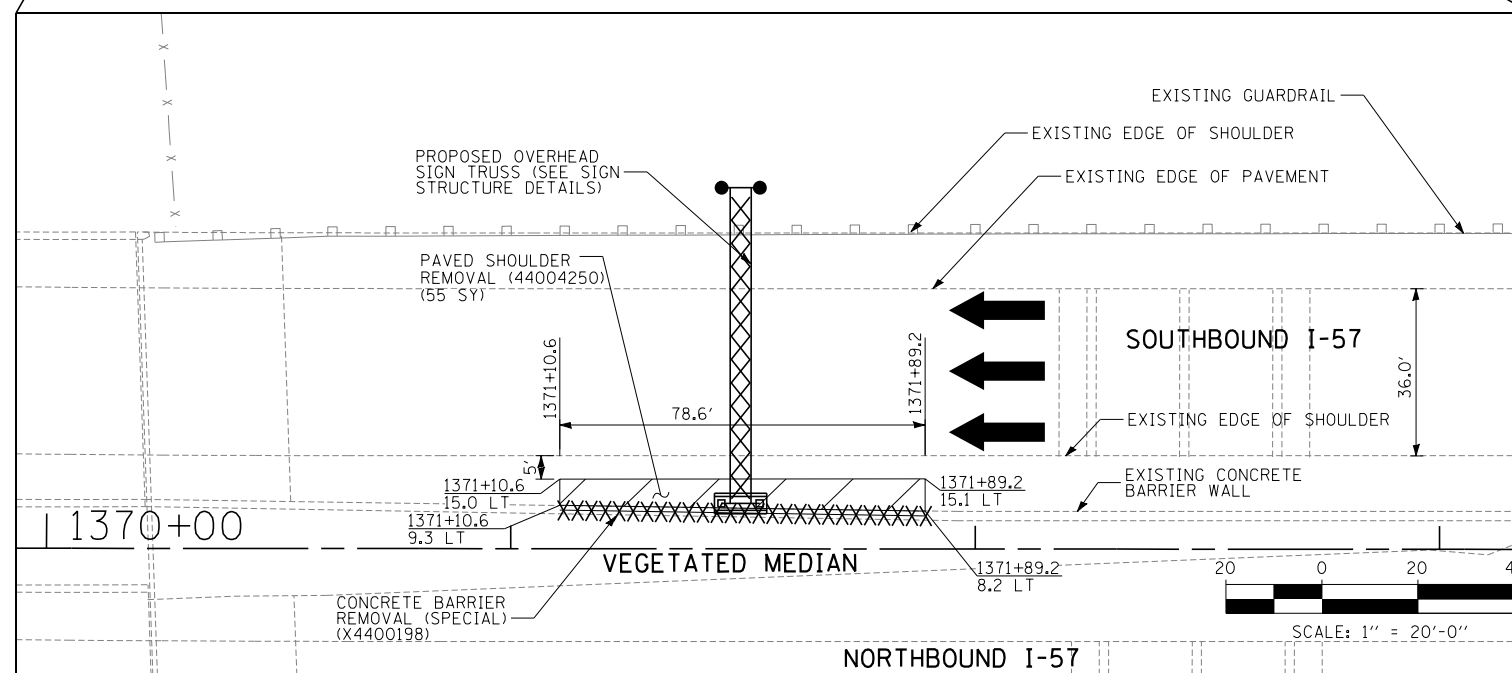
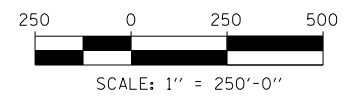
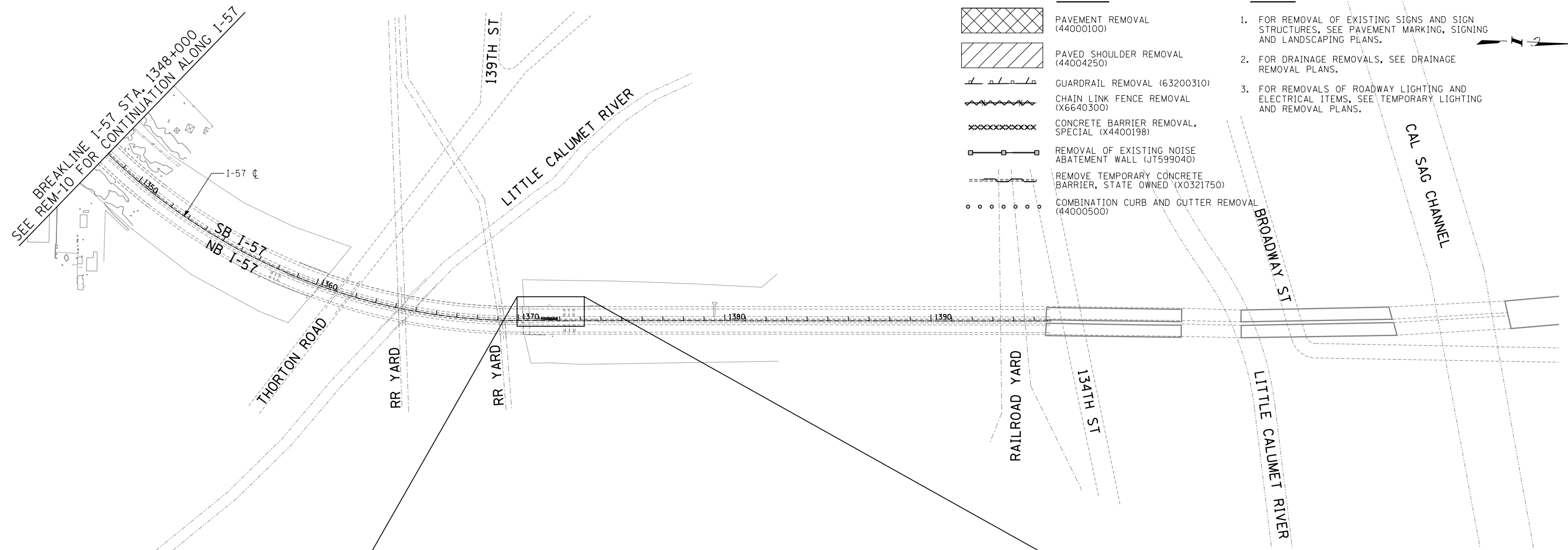
SHEET REM-10
63 OF 606

LEGEND:

-  PAVEMENT REMOVAL (44000100)
-  PAVED SHOULDER REMOVAL (44004250)
-  GUARDRAIL REMOVAL (63200310)
-  CHAIN LINK FENCE REMOVAL (X6640300)
-  CONCRETE BARRIER REMOVAL, SPECIAL (X4400198)
-  REMOVAL OF EXISTING NOISE ABATEMENT WALL (JT599040)
-  REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED (X0321750)
-  COMBINATION CURB AND GUTTER REMOVAL (44000500)

NOTES:

1. FOR REMOVAL OF EXISTING SIGNS AND SIGN STRUCTURES, SEE PAVEMENT MARKING, SIGNING AND LANDSCAPING PLANS.
2. FOR DRAINAGE REMOVALS, SEE DRAINAGE REMOVAL PLANS.
3. FOR REMOVALS OF ROADWAY LIGHTING AND ELECTRICAL ITEMS, SEE TEMPORARY LIGHTING AND REMOVAL PLANS.



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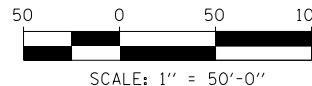
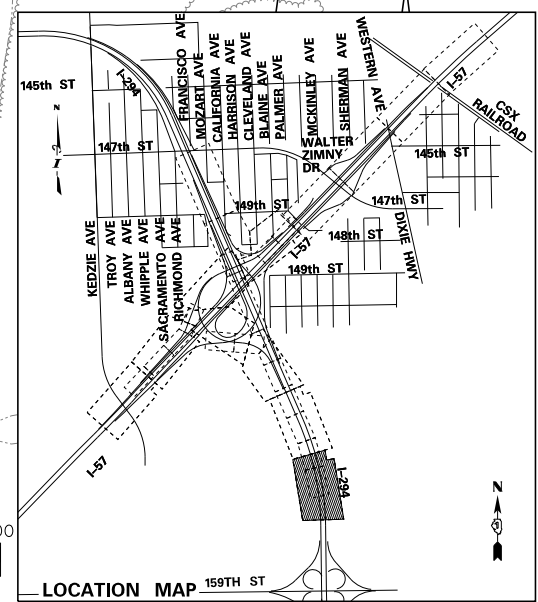
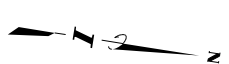
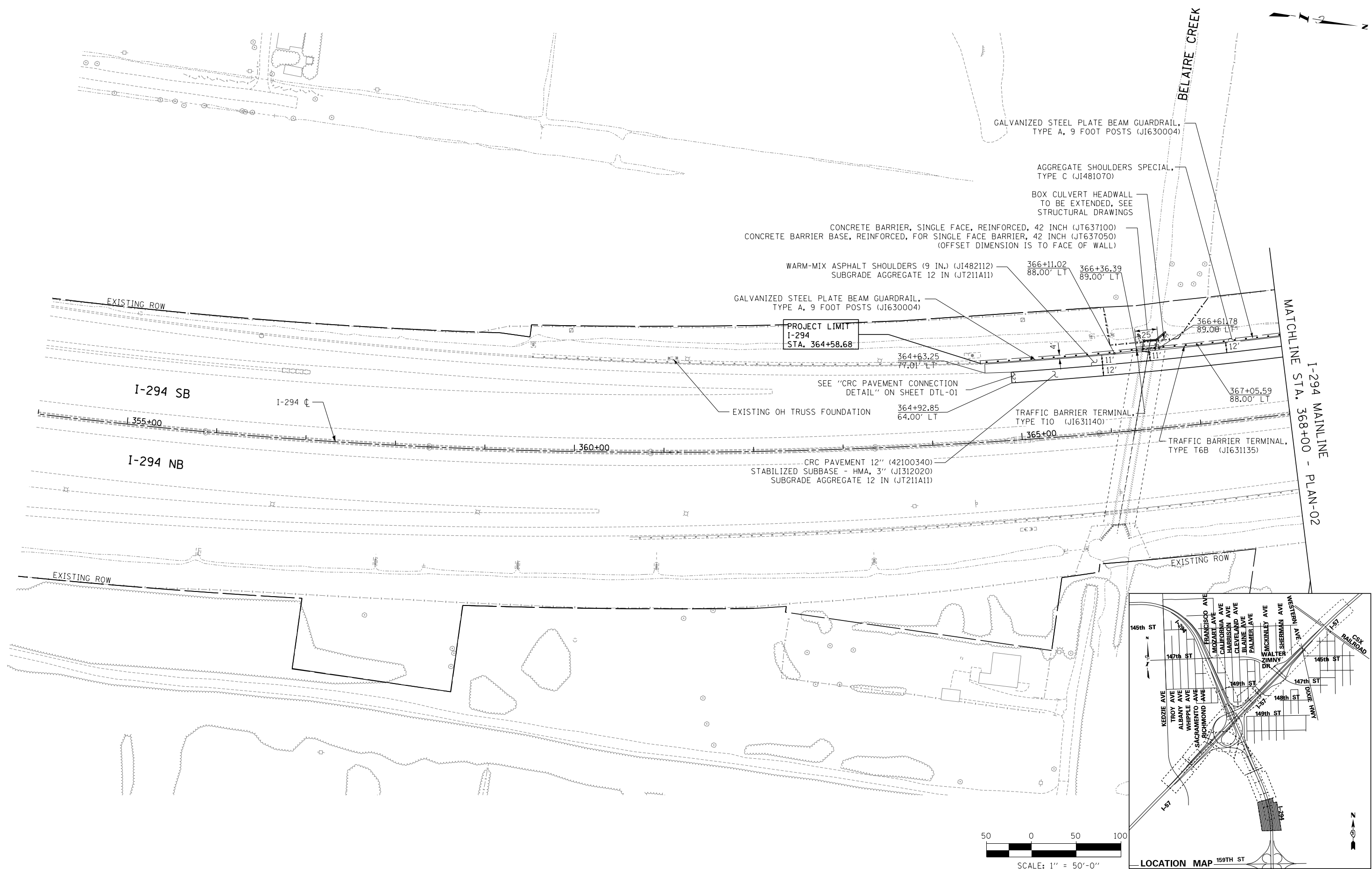


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
REMOVAL PLANS

SHEET REM-11
64 OF 606



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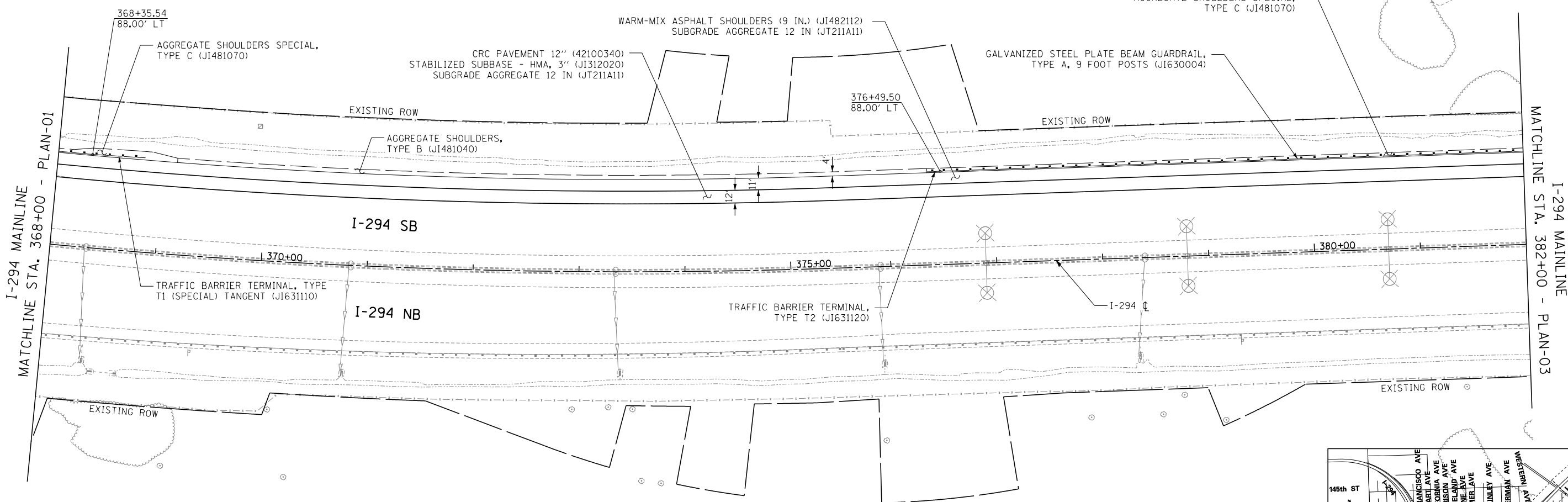
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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

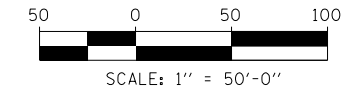
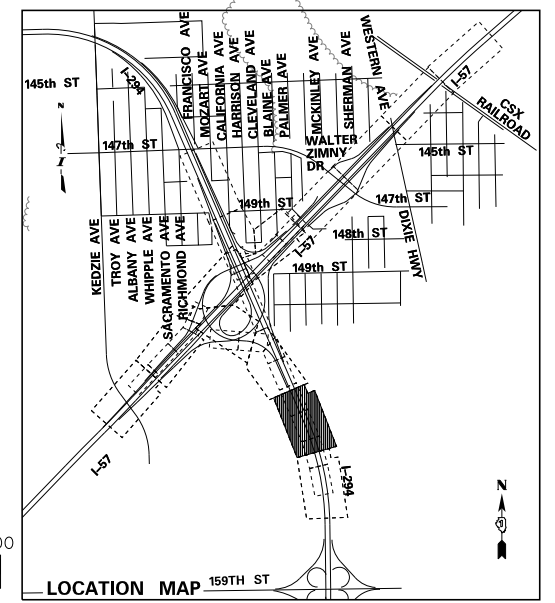
CONTRACT I-19-4495
 I-57 AT 294 RAMP C AND F2
 PROPOSED PLAN

SHEET PLAN-01
 65 OF 606



I-294 MAINLINE
MATCHLINE STA. 368+00 - PLAN-01

I-294 MAINLINE
MATCHLINE STA. 382+00 - PLAN-03



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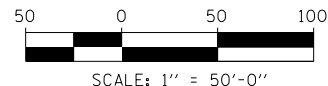
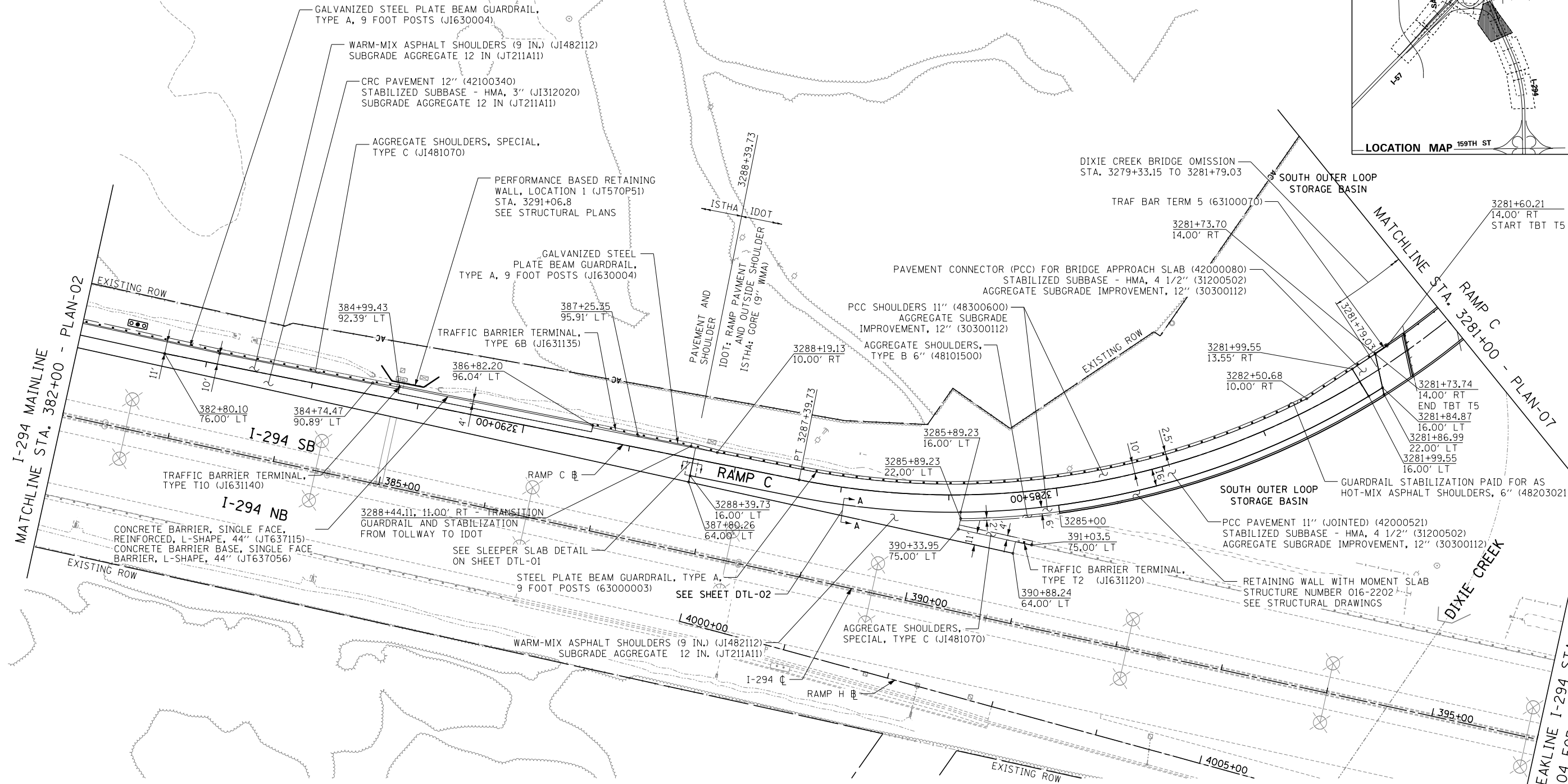
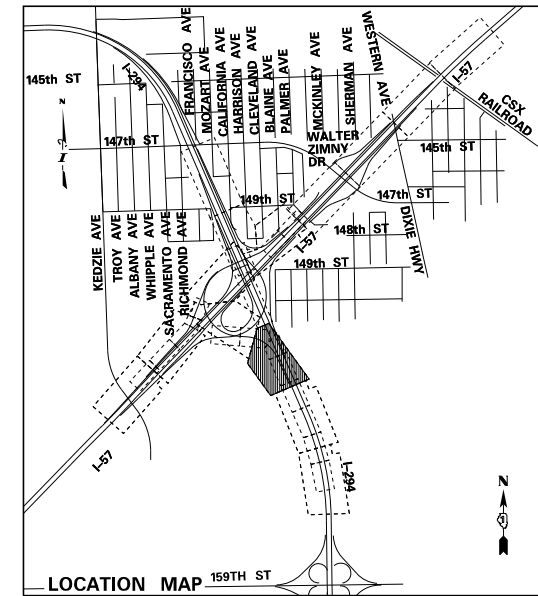
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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 PROPOSED PLAN
 SHEET PLAN-02
 66 OF 606



SEE PLAN-04 FOR CONTINUATION ALONG I-294

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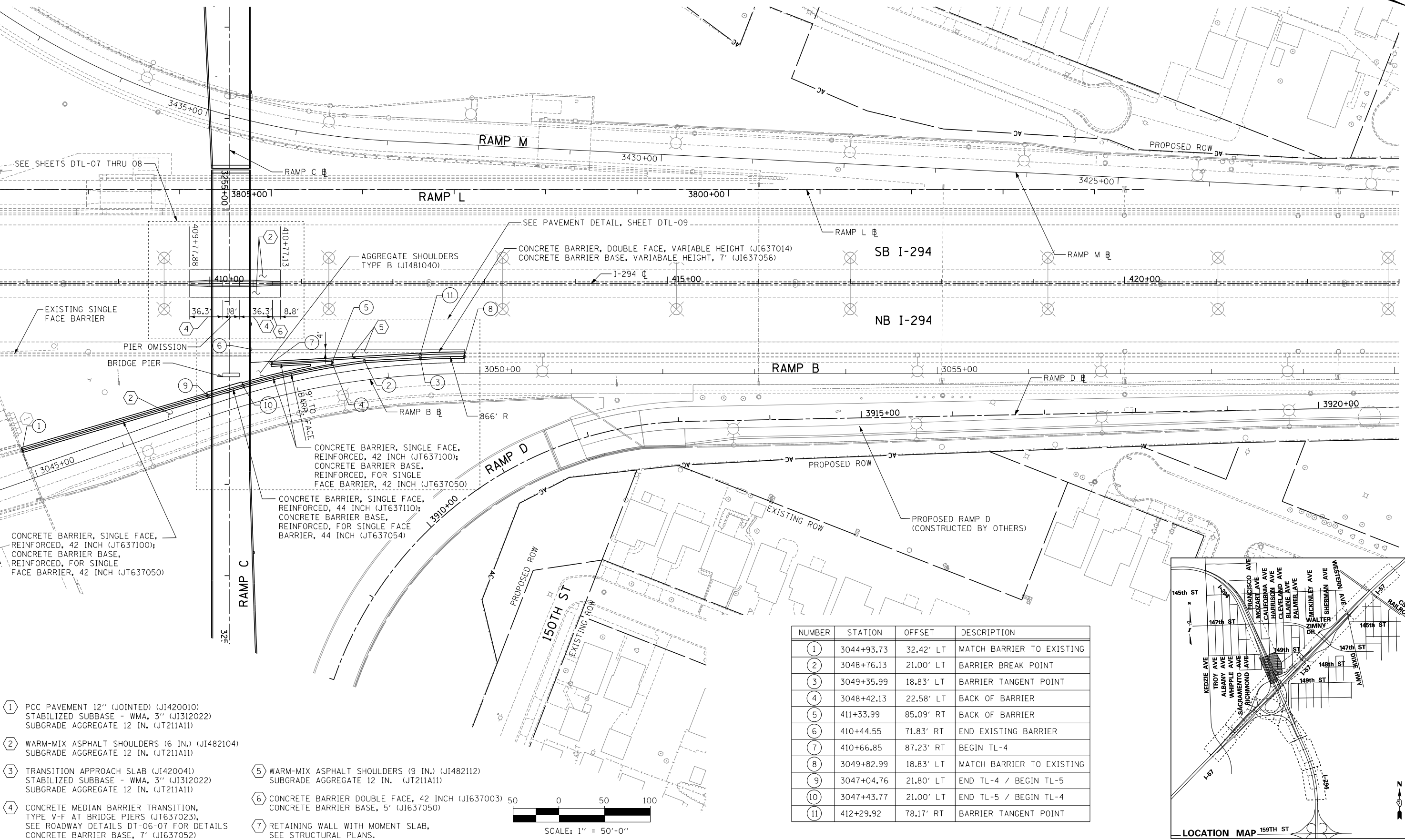
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2 PROPOSED PLAN

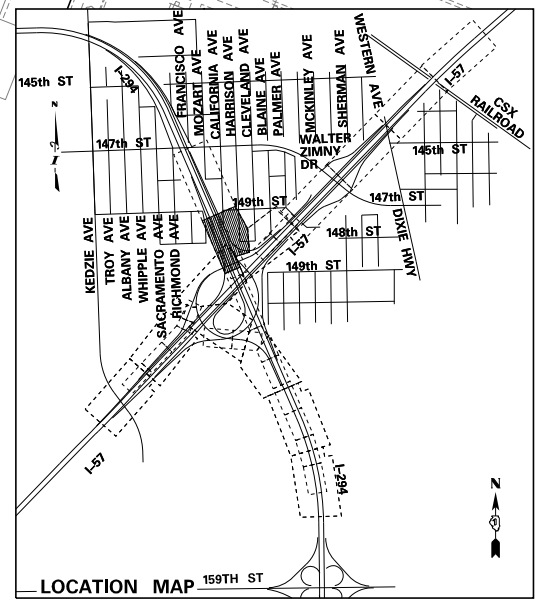
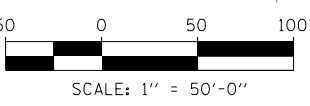
SHEET PLAN-03
67 OF 606

BREAKLINE I-294 STA. 407+70 - SEE PLAN-03 FOR CONTINUATION ALONG I-294



- ① PCC PAVEMENT 12" (JOINTED) (JI420010)
STABILIZED SUBBASE - WMA, 3" (JI312022)
SUBGRADE AGGREGATE 12 IN. (JT211A11)
- ② WARM-MIX ASPHALT SHOULDERS (6 IN.) (JI482104)
SUBGRADE AGGREGATE 12 IN. (JT211A11)
- ③ TRANSITION APPROACH SLAB (JI420041)
STABILIZED SUBBASE - WMA, 3" (JI312022)
SUBGRADE AGGREGATE 12 IN. (JT211A11)
- ④ CONCRETE MEDIAN BARRIER TRANSITION,
TYPE V-F AT BRIDGE PIERS (JT637023),
SEE ROADWAY DETAILS DT-06-07 FOR DETAILS
CONCRETE BARRIER BASE, 7' (JI637052)
- ⑤ WARM-MIX ASPHALT SHOULDERS (9 IN.) (JI482112)
SUBGRADE AGGREGATE 12 IN. (JT211A11)
- ⑥ CONCRETE BARRIER DOUBLE FACE, 42 INCH (JI637003)
CONCRETE BARRIER BASE, 5' (JI637050)
- ⑦ RETAINING WALL WITH MOMENT SLAB,
SEE STRUCTURAL PLANS.

NUMBER	STATION	OFFSET	DESCRIPTION
①	3044+93.73	32.42' LT	MATCH BARRIER TO EXISTING
②	3048+76.13	21.00' LT	BARRIER BREAK POINT
③	3049+35.99	18.83' LT	BARRIER TANGENT POINT
④	3048+42.13	22.58' LT	BACK OF BARRIER
⑤	411+33.99	85.09' RT	BACK OF BARRIER
⑥	410+44.55	71.83' RT	END EXISTING BARRIER
⑦	410+66.85	87.23' RT	BEGIN TL-4
⑧	3049+82.99	18.83' LT	MATCH BARRIER TO EXISTING
⑨	3047+04.76	21.80' LT	END TL-4 / BEGIN TL-5
⑩	3047+43.77	21.00' LT	END TL-5 / BEGIN TL-4
⑪	412+29.92	78.17' RT	BARRIER TANGENT POINT



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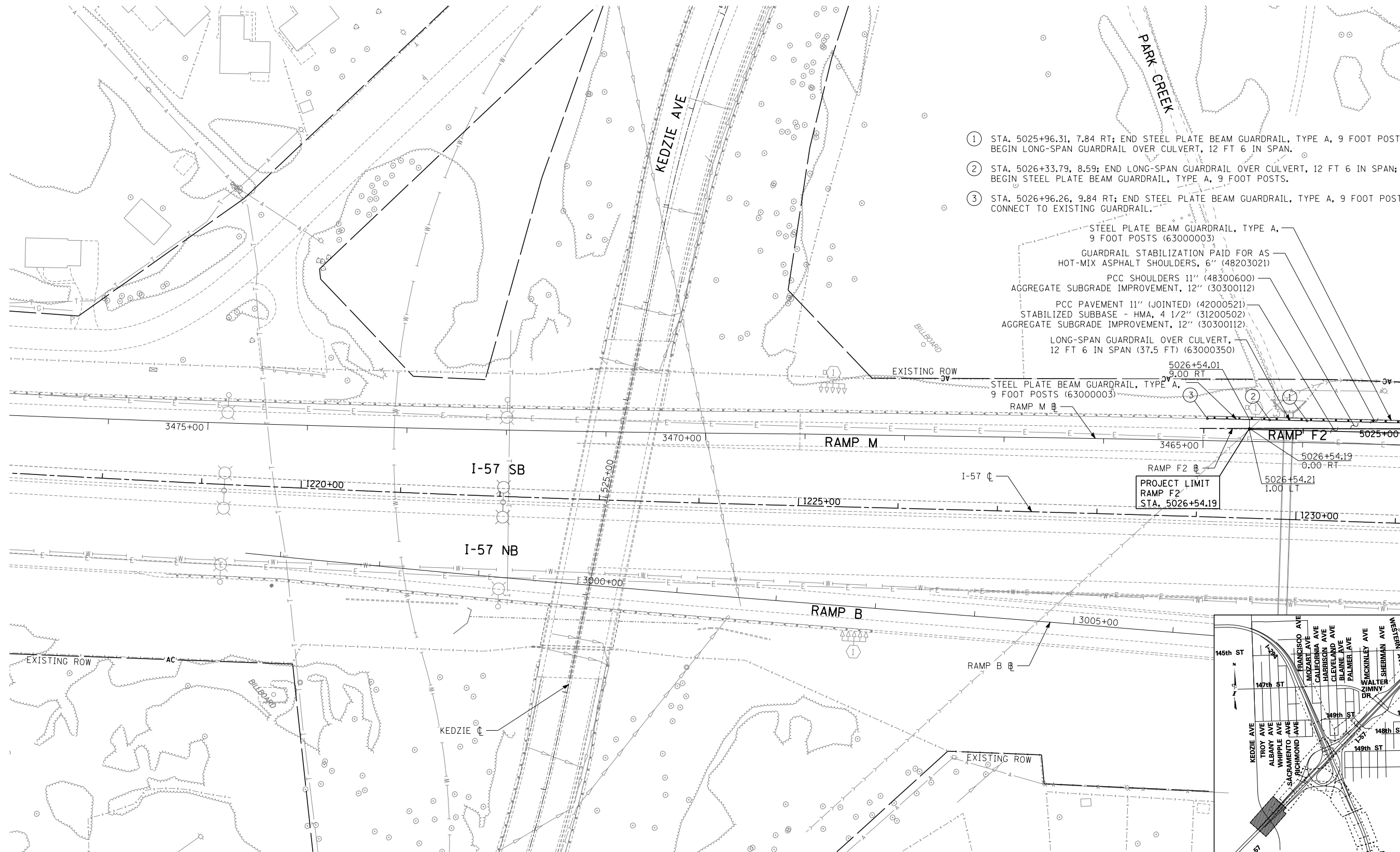
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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495	SHEET PLAN-04
I-57 AT 294 RAMPS C AND F2 PROPOSED PLAN	68 OF 606

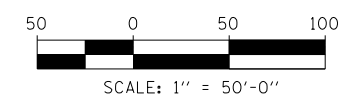
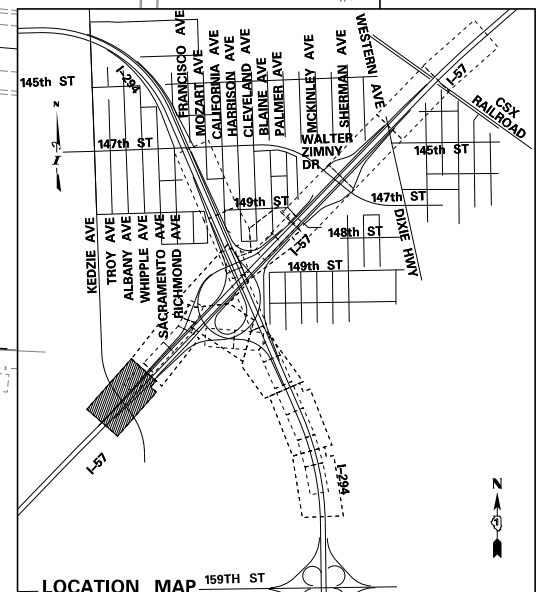


- ① STA. 5025+96.31, 7.84 RT; END STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS; BEGIN LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN.
- ② STA. 5026+33.79, 8.59; END LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN; BEGIN STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS.
- ③ STA. 5026+96.26, 9.84 RT; END STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS; CONNECT TO EXISTING GUARDRAIL.

STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (63000003)
 GUARDRAIL STABILIZATION PAID FOR AS HOT-MIX ASPHALT SHOULDERS, 6" (48203021)
 PCC SHOULDERS 11" (48300600)
 AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)
 PCC PAVEMENT 11" (JOINTED) (42000521)
 STABILIZED SUBBASE - HMA, 4 1/2" (31200502)
 AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)
 LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN (37.5 FT) (63000350)

PROJECT LIMIT
 RAMP F2
 STA. 5026+54.19

MATCHLINE STA. 5025+00 - PLAN-06
 RAMP F2



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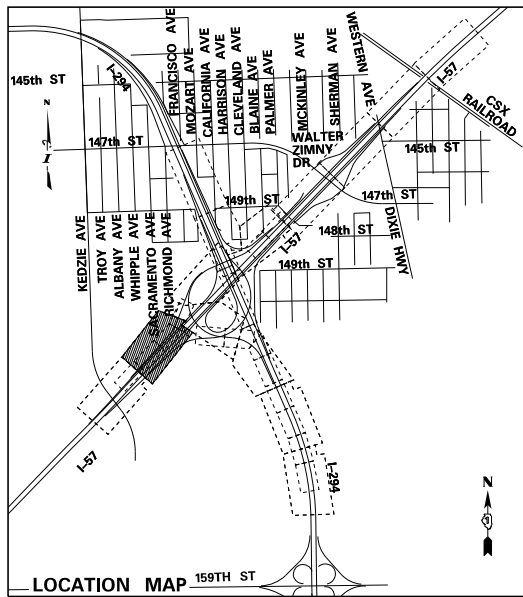


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

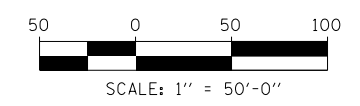
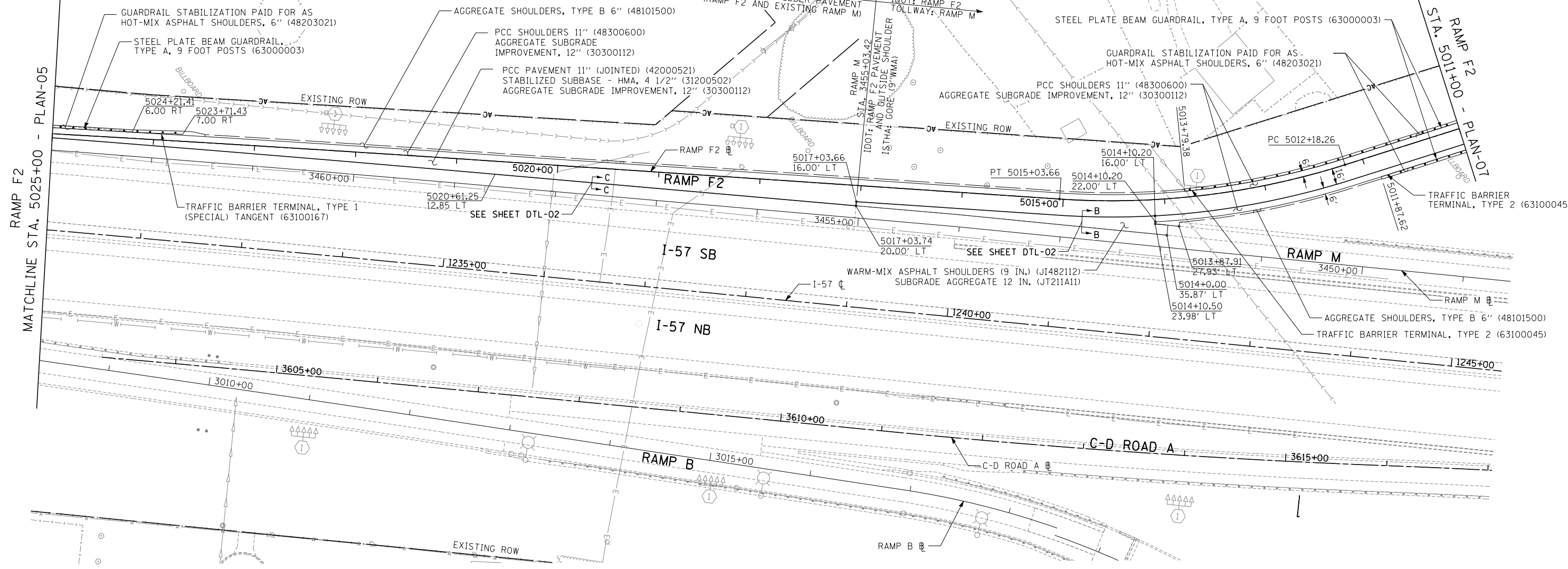
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 PROPOSED PLAN

SHEET . . . PLAN-05
 69 . . . OF . . . 606



LOCATION MAP



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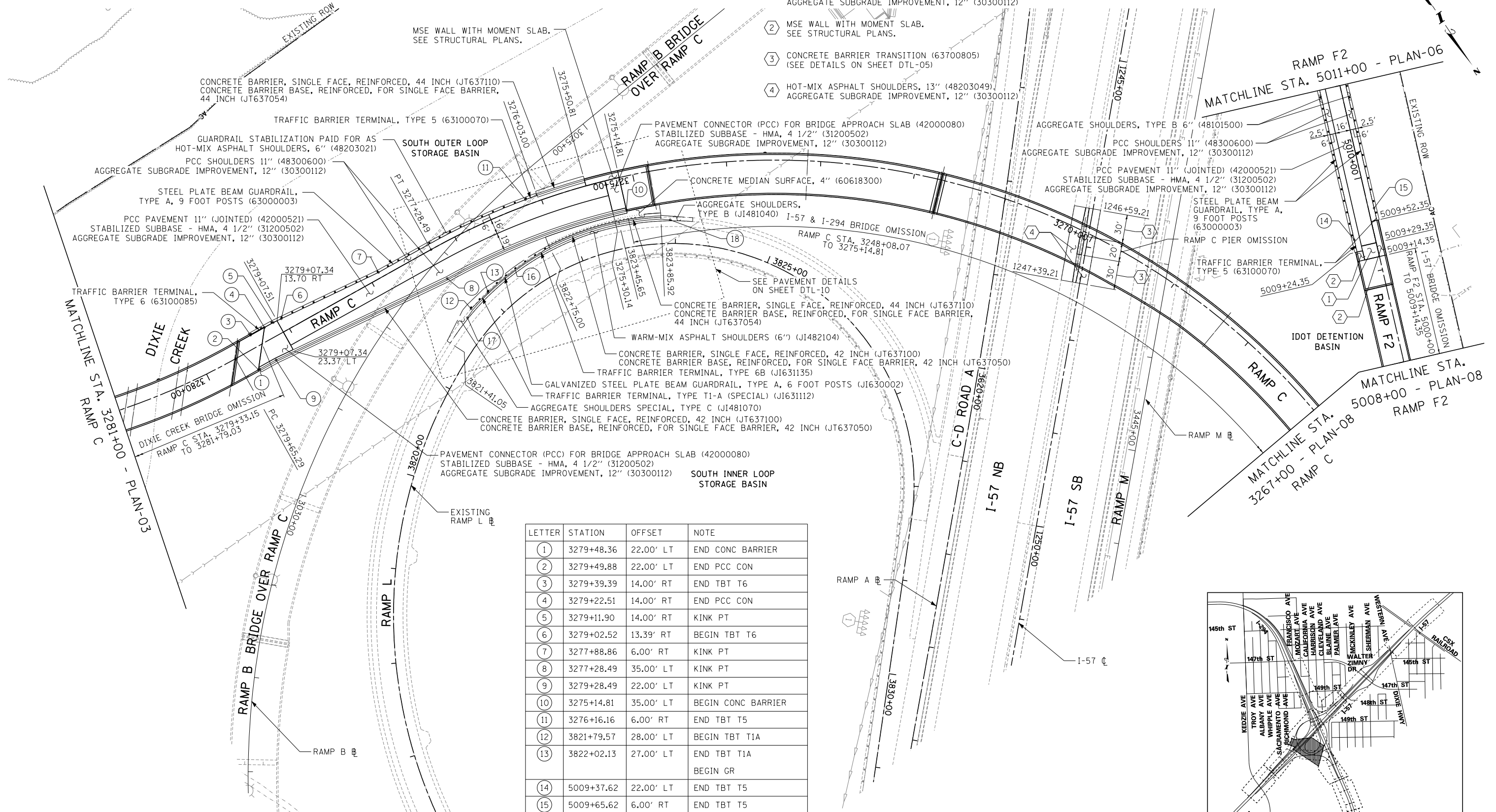
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

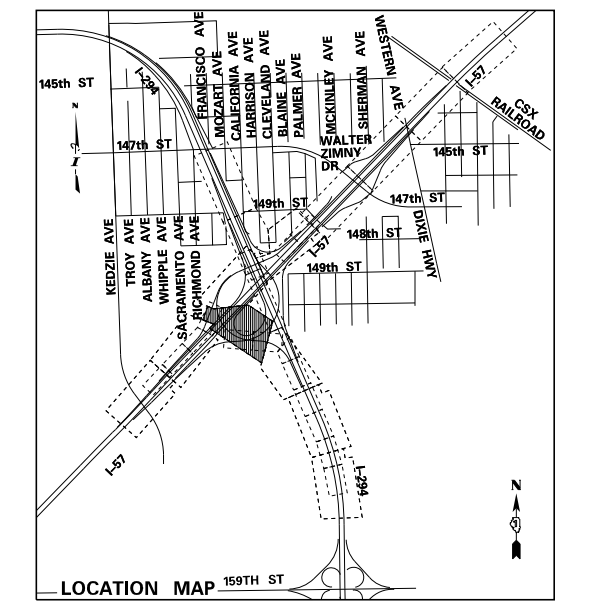
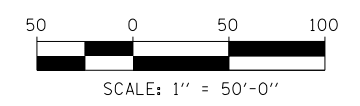
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PROPOSED PLAN

SHEET PLAN-06
70 OF 606

- ① PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB (42000080)
STABILIZED SUBBASE - HMA, 4 1/2" (31200502)
AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)
- ② MSE WALL WITH MOMENT SLAB.
SEE STRUCTURAL PLANS.
- ③ CONCRETE BARRIER TRANSITION (63700805)
(SEE DETAILS ON SHEET DTL-05)
- ④ HOT-MIX ASPHALT SHOULDERS, 13" (48203049)
AGGREGATE SUBGRADE IMPROVEMENT, 12" (30300112)



LETTER	STATION	OFFSET	NOTE
①	3279+48.36	22.00' LT	END CONC BARRIER
②	3279+49.88	22.00' LT	END PCC CON
③	3279+39.39	14.00' RT	END TBT T6
④	3279+22.51	14.00' RT	END PCC CON
⑤	3279+11.90	14.00' RT	KINK PT
⑥	3279+02.52	13.39' RT	BEGIN TBT T6
⑦	3277+88.86	6.00' RT	KINK PT
⑧	3277+28.49	35.00' LT	KINK PT
⑨	3279+28.49	22.00' LT	KINK PT
⑩	3275+14.81	35.00' LT	BEGIN CONC BARRIER
⑪	3276+16.16	6.00' RT	END TBT T5
⑫	3821+79.57	28.00' LT	BEGIN TBT T1A
⑬	3822+02.13	27.00' LT	END TBT T1A BEGIN GR
⑭	5009+37.62	22.00' LT	END TBT T5
⑮	5009+65.62	6.00' RT	END TBT T5
⑯	3822+36.04	27.00' LT	END GR BEGIN TBT T6
⑰	3821+70.69	25.00' LT	BEGIN 1' SHOULDER STUB
⑱	3823+94.80	25.00' LT	END 1' SHOULDER STUB



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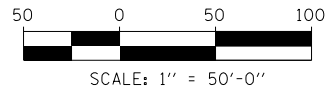
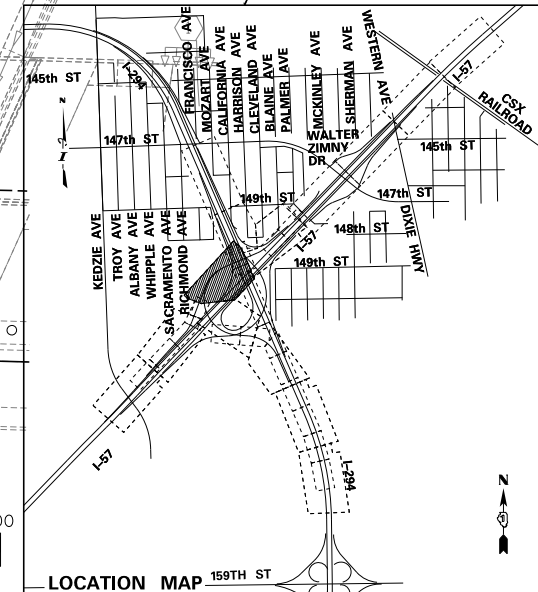
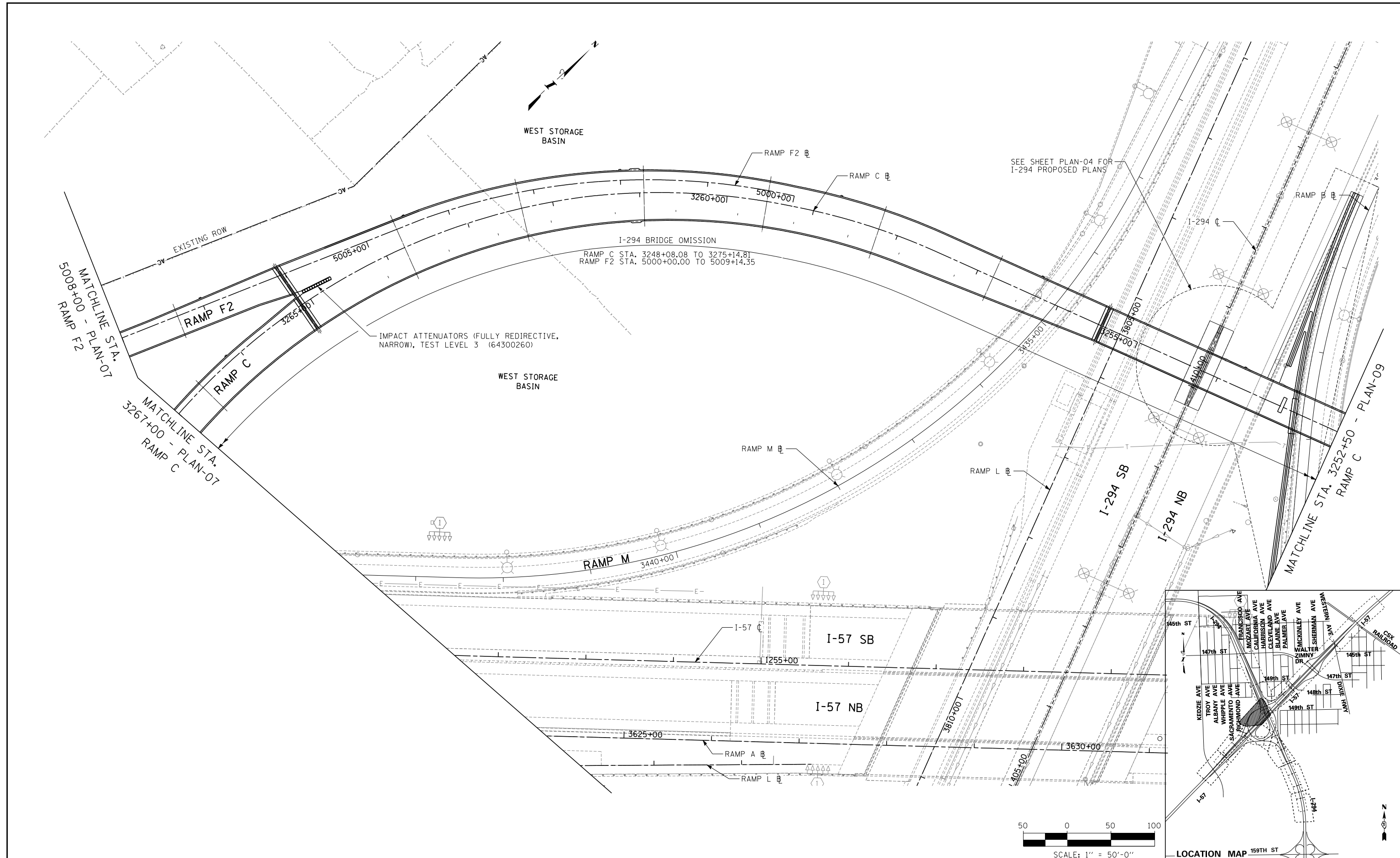
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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS	
NO.	DESCRIPTION

CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2
PROPOSED PLAN

SHEET **PLAN-07**
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2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

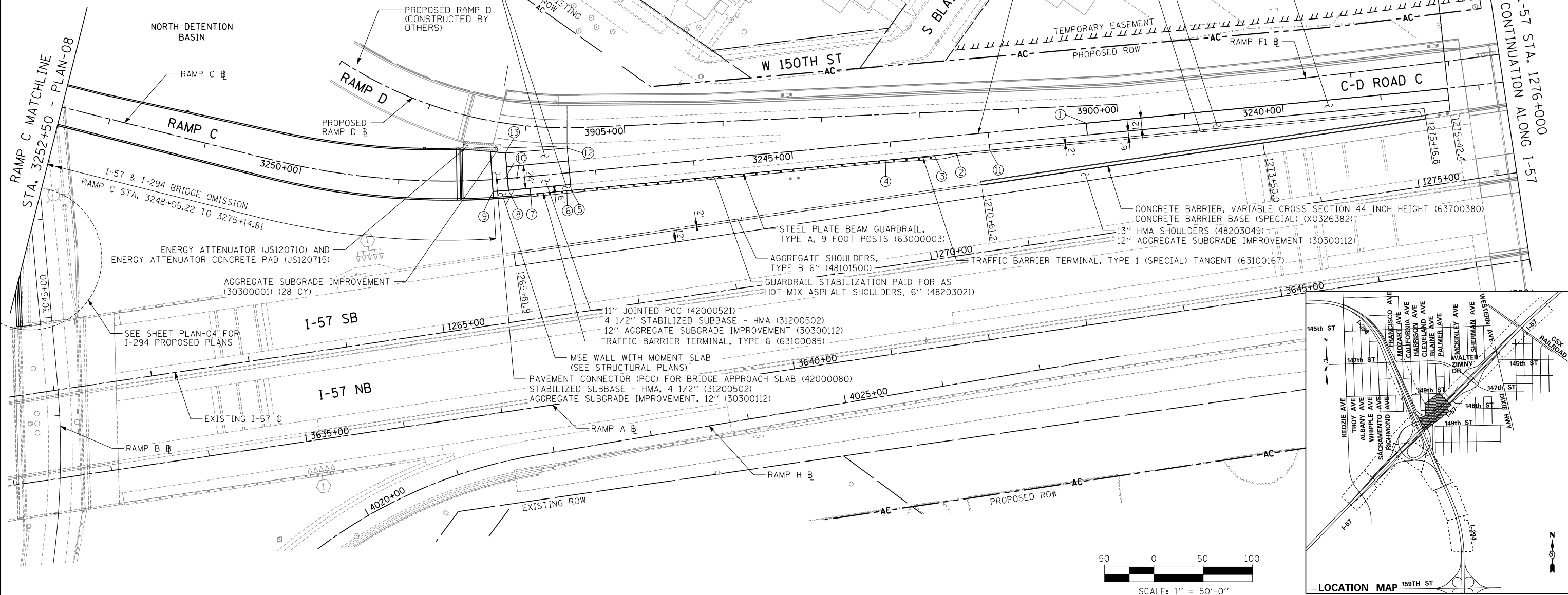
CONTRACT **I-19-4495**

**I-57 AT 294 RAMPS C AND F2
PROPOSED PLAN**

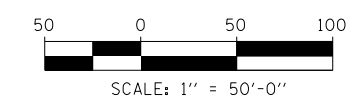
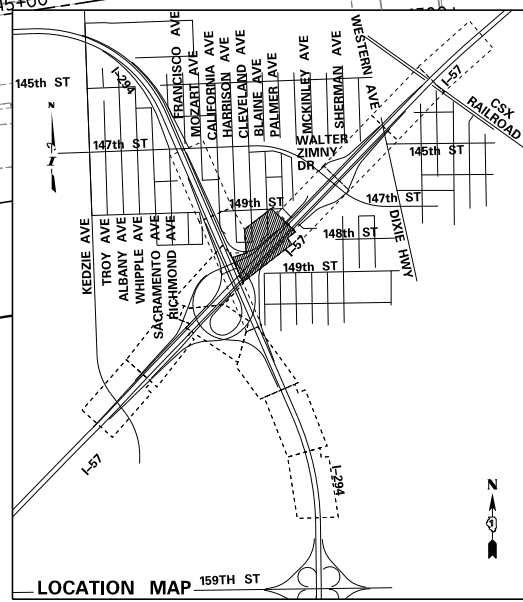
SHEET **PLAN-08**

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- ① STA. 3242+00.00, OFFSET 18.00 RT (RAMP C) END 11" PCC PAVEMENT
- ② STA. 3243+33.91, OFFSET 18.00 LT (RAMP C) END AGGREGATE SHOULDERS, TYPE B 6" BEGIN HOT-MIX ASPHALT SHOULDER, 6"
- ③ STA. 3243+55.91, OFFSET 19.00 LT (RAMP C) BEGIN TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- ④ STA. 3244+05.90, OFFSET 18.00 LT (RAMP C) END TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT BEGIN STEEL PLATE BEAM GUARDRAIL TYPE A 9' POSTS
- ⑤ STA. 3247+26.52, OFFSET 18.00 RT (RAMP C) BEGIN 11" PCC SHOULDERS
- ⑥ STA. 3247+30.90, OFFSET 18.00 LT (RAMP C) END STEEL PLATE BEAM GUARDRAIL TYPE A 9' POSTS BEGIN TRAFFIC BARRIER TERMINAL, TYPE 6
- ⑦ STA. 3247+67.79, OFFSET 18.00 LT (RAMP C) END TRAFFIC BARRIER TERMINAL, TYPE 6
- ⑧ STA. 3247+89.77, OFFSET 12.00 LT (RAMP C) BEGIN PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
- ⑨ STA. 3248+05.22, OFFSET 12.00 LT (RAMP C) END PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
- ⑩ STA. 3247+80.31, OFFSET 0.00 RT (RAMP C) ALIGNMENT PC
- ⑪ STA. 3243+00, OFFSET 0.00 RT (RAMP C) END 11" PCC SHOULDERS
- ⑫ STA. 3247+27, OFFSET 25.04 RT (RAMP C) EDGE OF 11" PCC SHOULDERS
- ⑬ STA. 3247+90, OFFSET 25.04 RT (RAMP C) EDGE OF 11" PCC SHOULDERS



BREAKLINE 1-57 STA. 1276+000
 SEE PLAN-10 FOR CONTINUATION ALONG I-57
 PROJECT LIMIT
 CD-ROAD C
 STA. 3238+31.72



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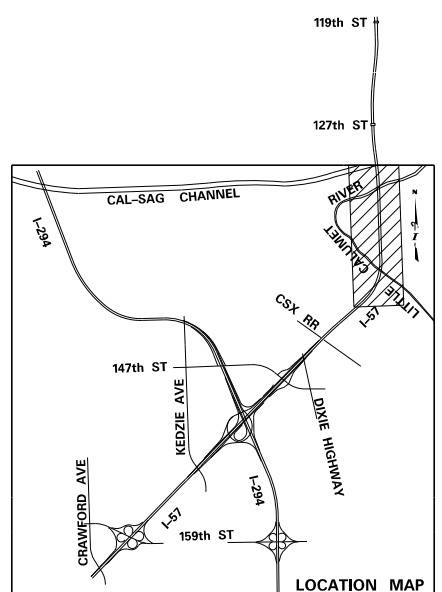
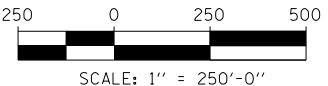
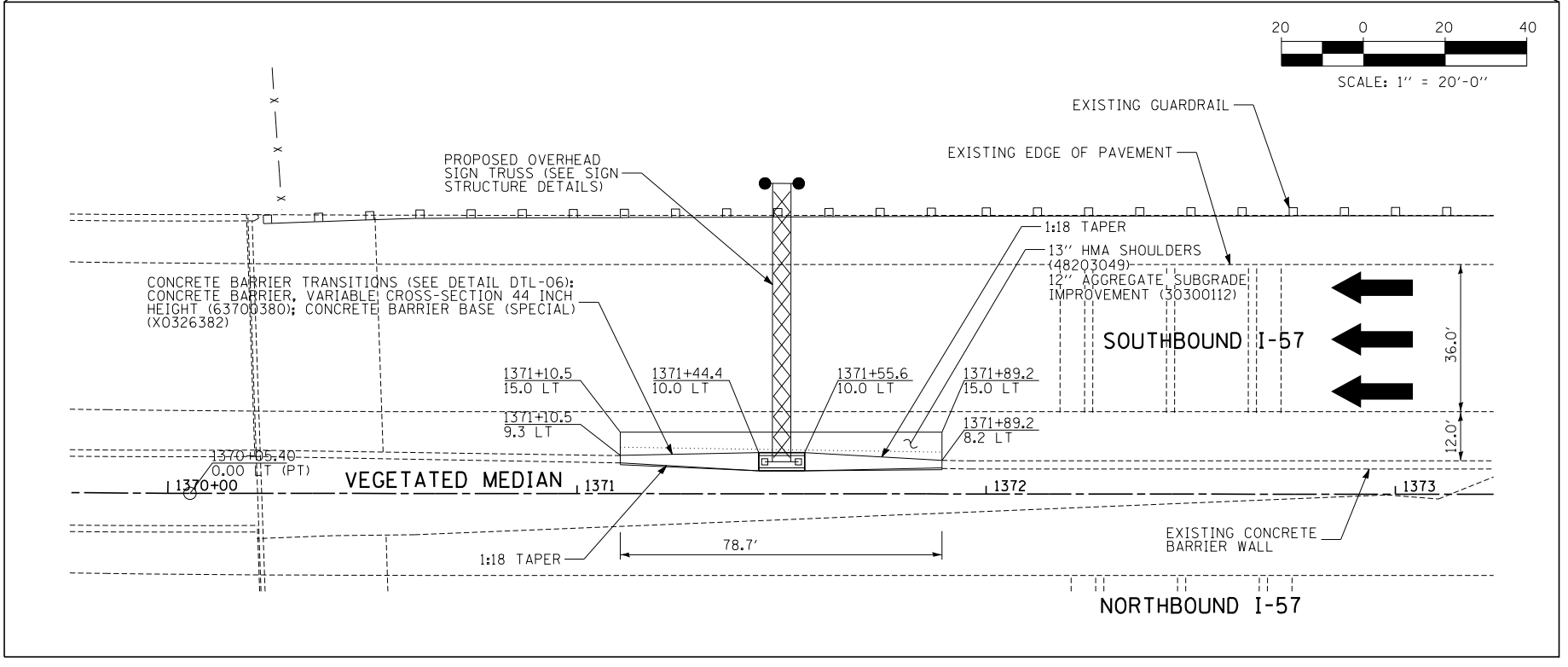
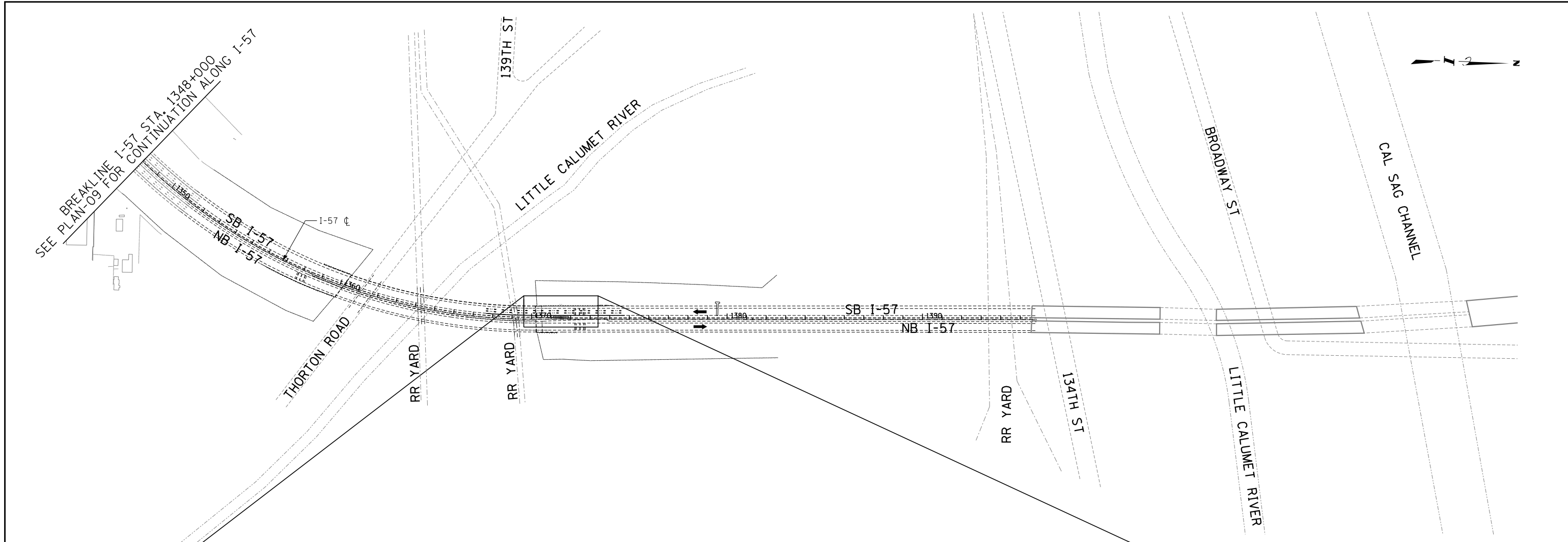
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 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495	SHEET PLAN-09
I-57 AT 294 RAMPS C AND F2 PROPOSED PLAN	73 OF 606



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DATE . 4-3-2020
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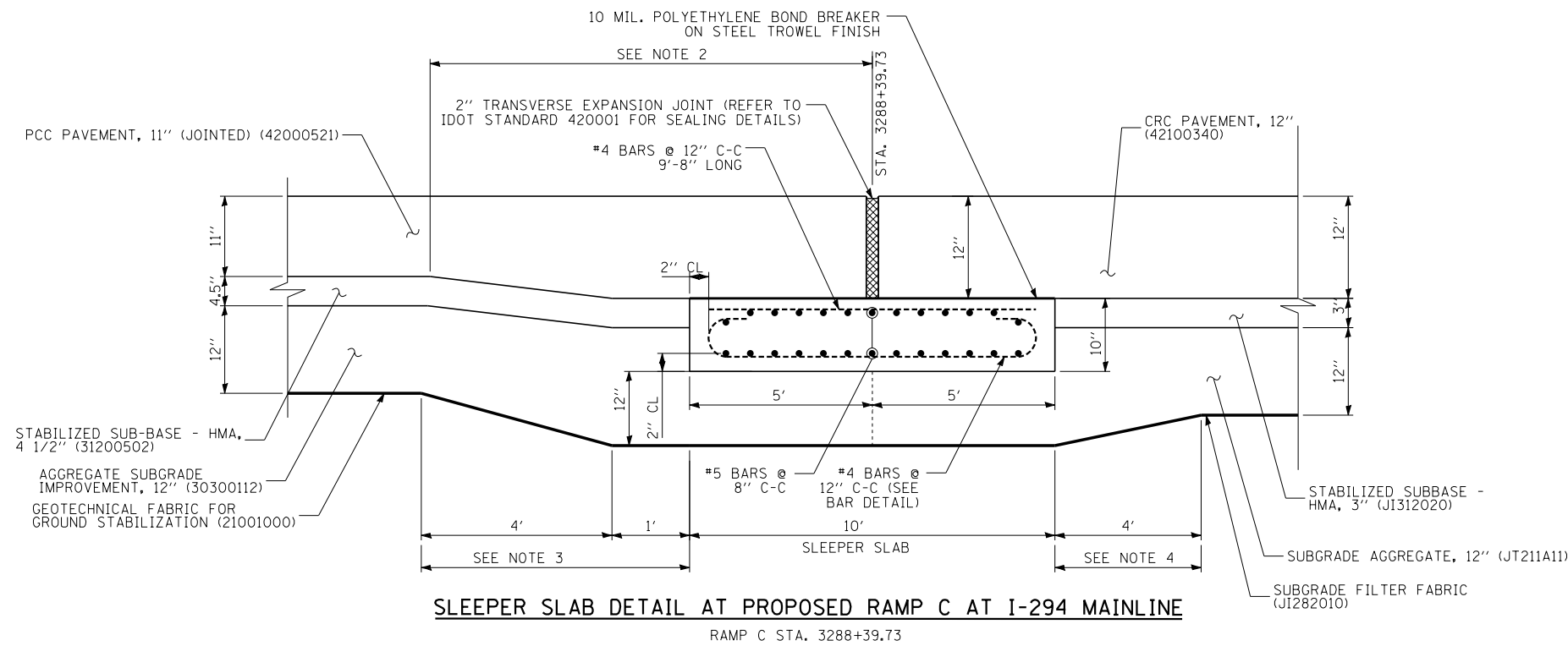


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

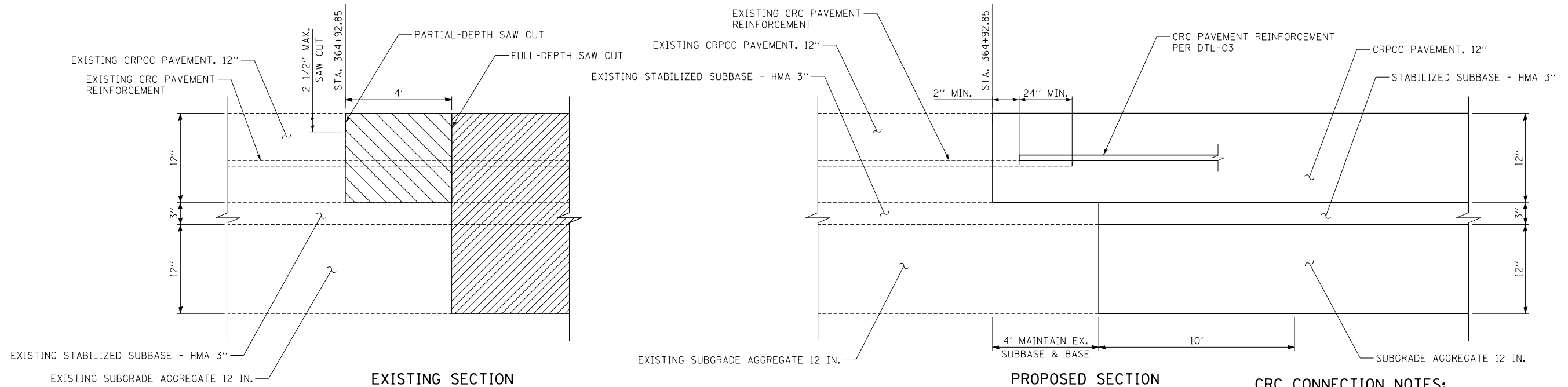
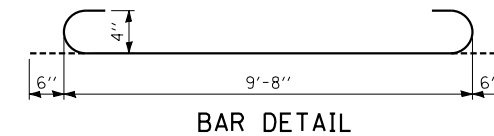
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PROPOSED PLANS

SHEET PLAN-10
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NOTES:

1. THE SLEEPER SLAB SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "SLEEPER SLAB" WHICH PRICE SHALL INCLUDE FURNISHING AND PLACING PC CONCRETE, REINFORCEMENT, BOND BREAKER, DOWEL BARS, AND EXPANSION MATERIAL AS SHOWN.
2. THE THICKENED EDGE OF PCC PAVEMENT, 11" (JOINTED) SHALL BE INCLUDED IN THE COST OF PCC PAVEMENT, 11" (JOINTED).
3. ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE IMPROVEMENT, 12" SHALL BE INCLUDED IN THE UNIT COST OF AGGREGATE SUBGRADE IMPROVEMENT, 12".
4. ADDITIONAL THICKNESS OF SUBGRADE AGGREGATE, 12" SHALL BE INCLUDED IN THE UNIT COST OF SUBGRADE AGGREGATE, 12".
5. ALL REINFORCEMENT AND DOWEL BARS SHALL BE EPOXY COATED AND SHALL BE IN ACCORDANCE WITH APPLICABLE PORTIONS OF THE STANDARD SPECIFICATIONS.



LEGEND

- PAVEMENT REMOVAL
- HAND REMOVAL TO EXPOSE PAVEMENT REINFORCEMENT (PAID FOR AS PAVEMENT REMOVAL) (SEE NOTE 2)

CRC PAVEMENT CONNECTION DETAIL

AT EXISTING 159TH STREET ENTRANCE
RAMP TERMINAL: I-294 STA. 364+92.85

CRC CONNECTION NOTES:

1. THE CONNECTION SHALL BE MADE BY LAP SPLICING EXISTING AND PROPOSED CRC REINFORCEMENT AS SHOWN.
2. THE METHOD USED TO EXPOSE THE EXISTING REINFORCING STEEL SHALL FOLLOW THE METHOD DESCRIBED FOR CLASS A PAVEMENT PATCHES IN SECTION 442.05(a) OF THE IDOT STANDARD SPECIFICATIONS.
3. SAW CUT LOCATIONS ARE INDICATED ON THE DETAIL AND IN THE REMOVAL PLANS.
4. SAW CUTS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.

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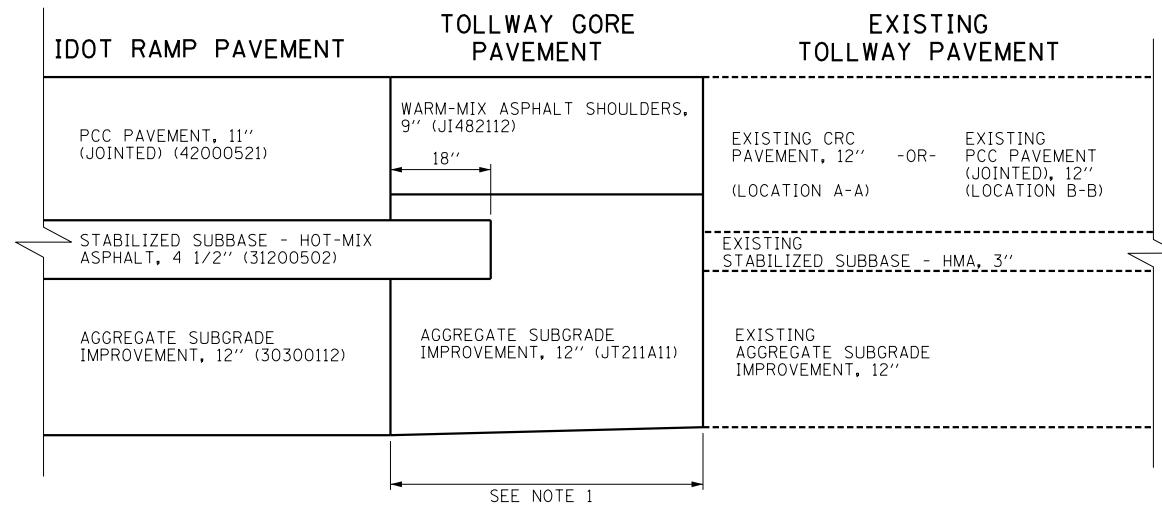
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
MISCELLANEOUS DETAILS
PAVEMENT JOINTING DETAILS

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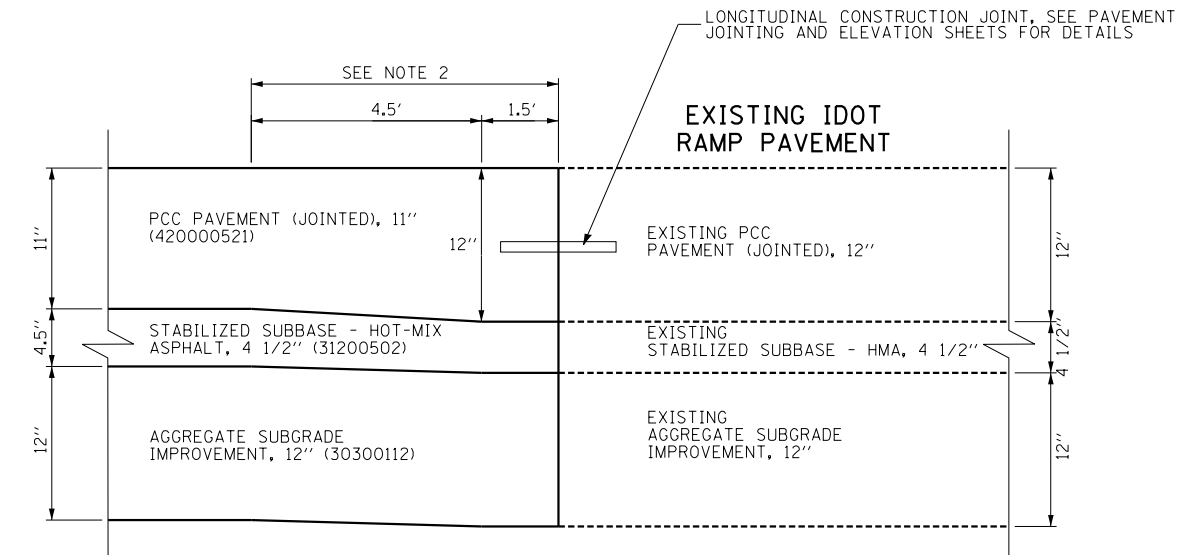


RAMP PAVEMENT TRANSITION DETAIL (LOCATIONS A-A & B-B)

RAMP C & EXISTING SB I-294 (LOCATION A-A)
RAMP F2 AND EXISTING RAMP M (LOCATION B-B)

NOTES:

1. ADDITIONAL MATERIAL DEPTH INCLUDED IN THE QUANTITY OF AGGREGATE SUBGRADE IMPROVEMENT, 12" (JT211A11) (CU YD)





RAMP PAVEMENT TRANSITION DETAIL (LOCATION C-C)

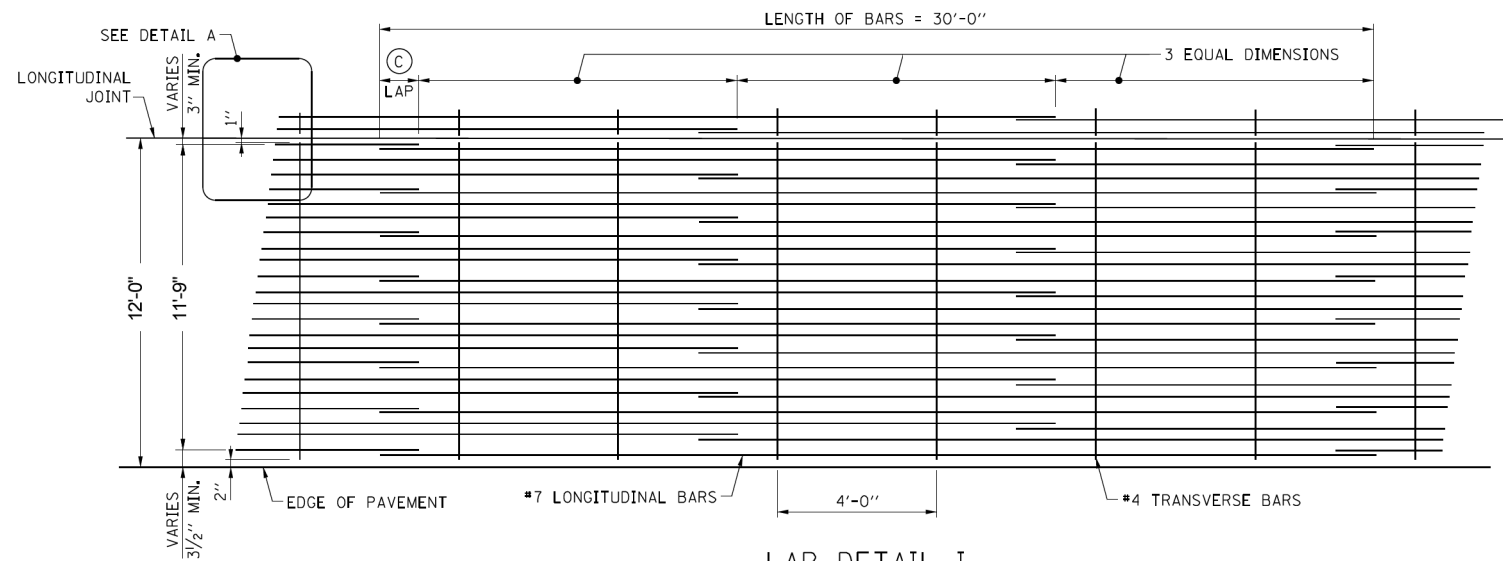
RAMP F2 AND EXISTING RAMP M

NOTES:

2. VARYING MATERIAL DEPTHS INCLUDED IN THE COST OF PCC PAVEMENT (JOINTED), 11" (42000521)

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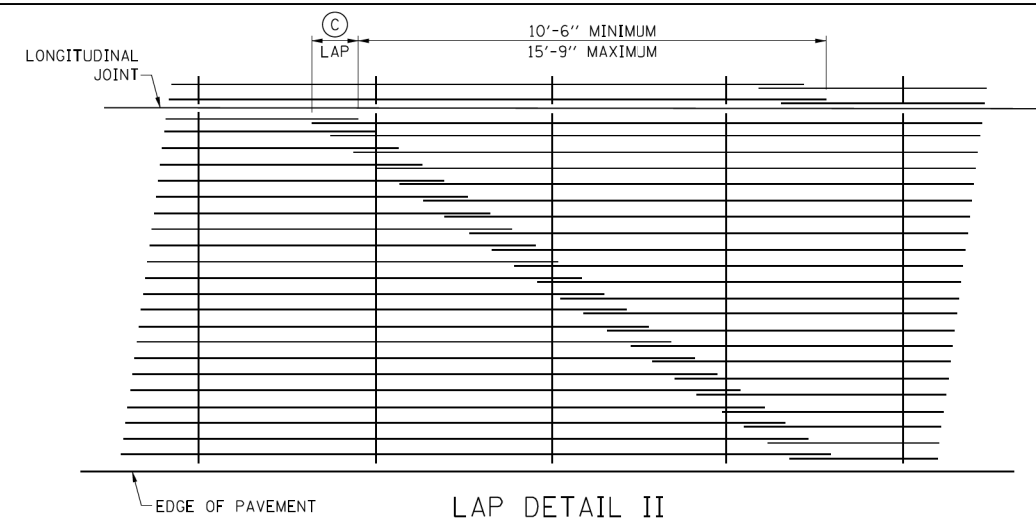
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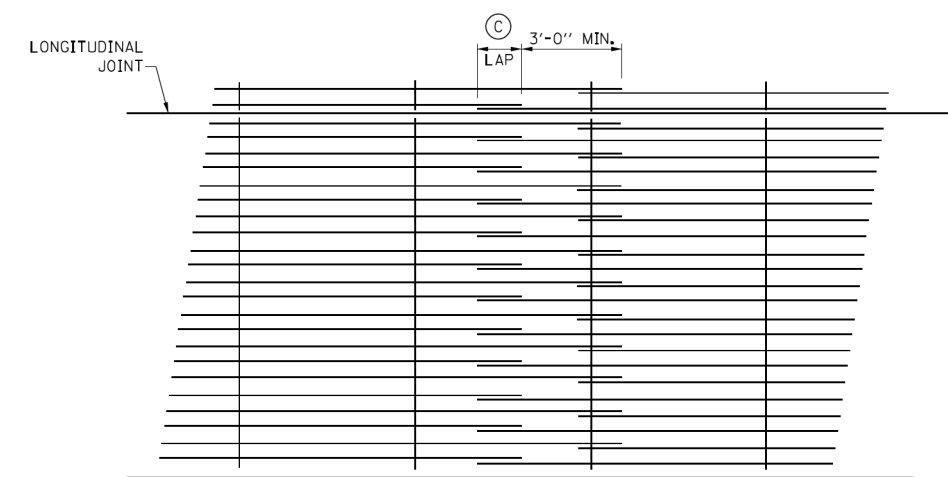
LAP DETAIL I
REINFORCEMENT BAR LAP PLAN LONGITUDINAL REINFORCEMENT BARS

12'-0" LANE	PAVEMENT THICKNESS	
	NO. OF BARS (EA.)	SPACING (IN.)
0.80%	22	6-1/2

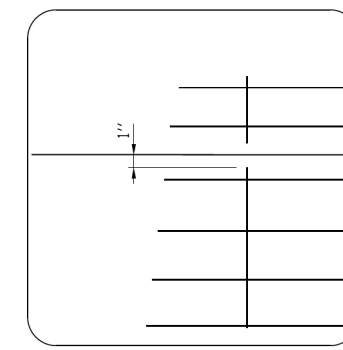
BAR SIZE	Ⓢ LAP
#7	26"



LAP DETAIL II



LAP DETAIL III



DETAIL A

GENERAL NOTES:

- EXCEPT AS NOTED OR SHOWN, THE DIMENSIONS AND NOTES SPECIFIED FOR LAP DETAIL I ARE TYPICAL FOR LAP DETAIL II AND III.
- #7 REINFORCEMENT BARS ARE USED THROUGHOUT THESE TABLES.
- THE DISTANCE FROM THE END OF THE TRANSVERSE BAR TO THE EDGE OF PAVEMENT MAY BE INCREASED BY 1" FOR SLIP FORM PAVING.

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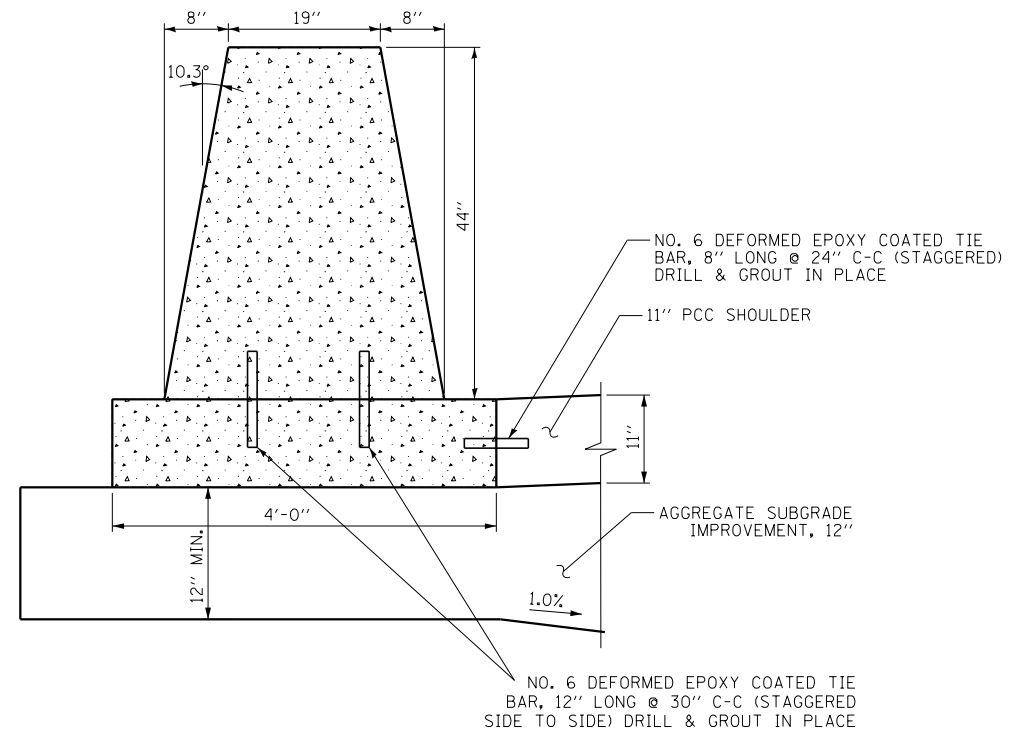


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CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
MISCELLANEOUS DETAILS:
REINFORCEMENT BARS FOR
CRC PAVEMENT

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CONCRETE BARRIER, VARIABLE CROSS SECTION 44" HEIGHT (63700380)
 CONCRETE BARRIER BASE (SPECIAL) (X0326382)

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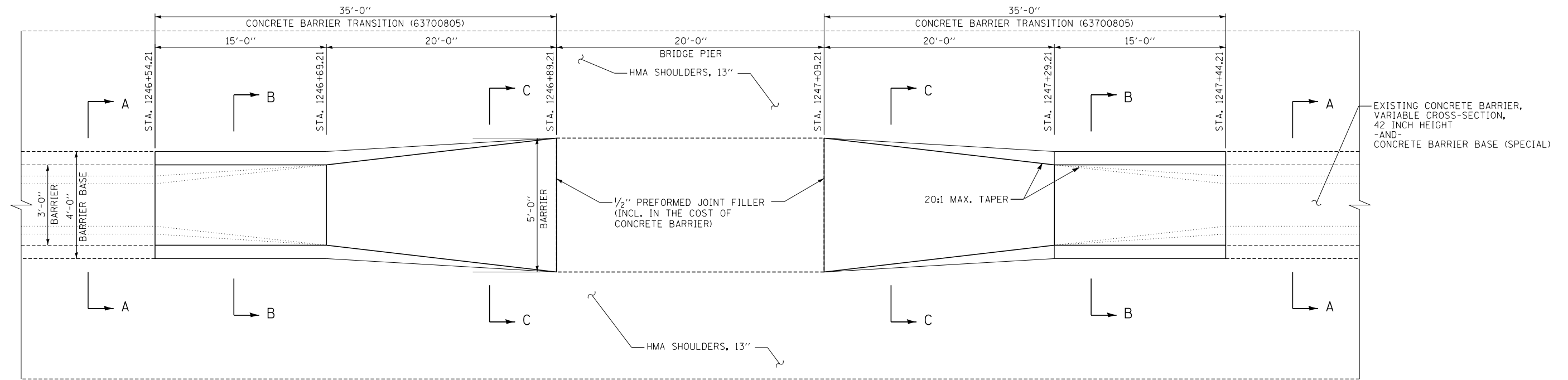


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 DOWNERS GROVE, ILLINOIS 60515

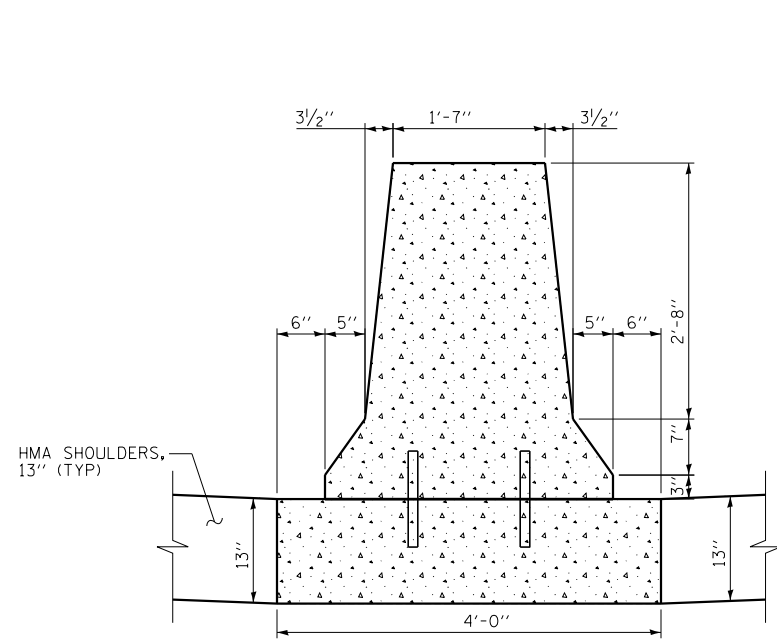
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 MISCELLANEOUS DETAILS:
 SINGLE FACE CONCRETE BARRIER

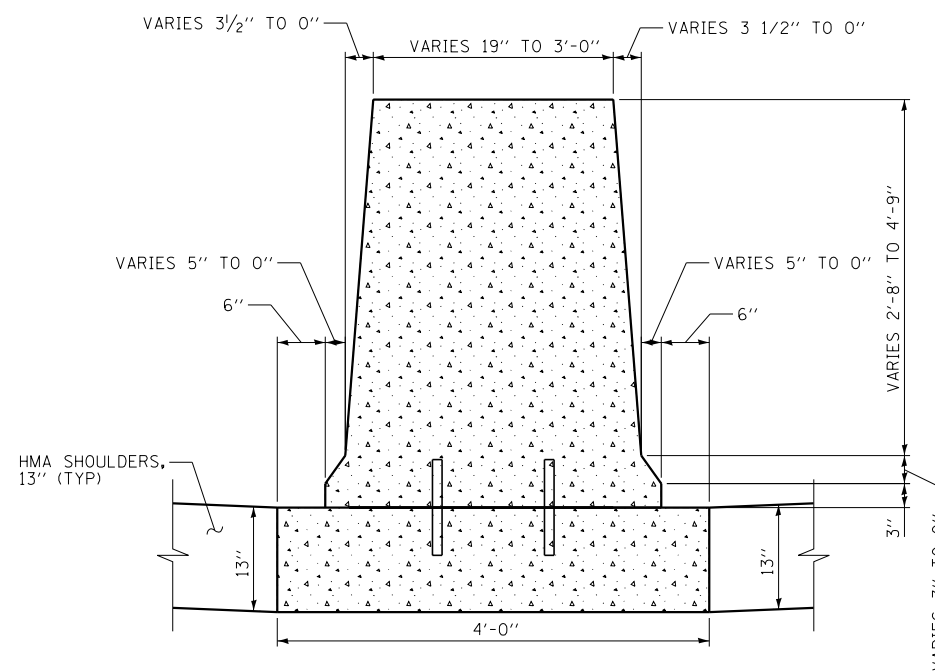
SHEET DTL-04
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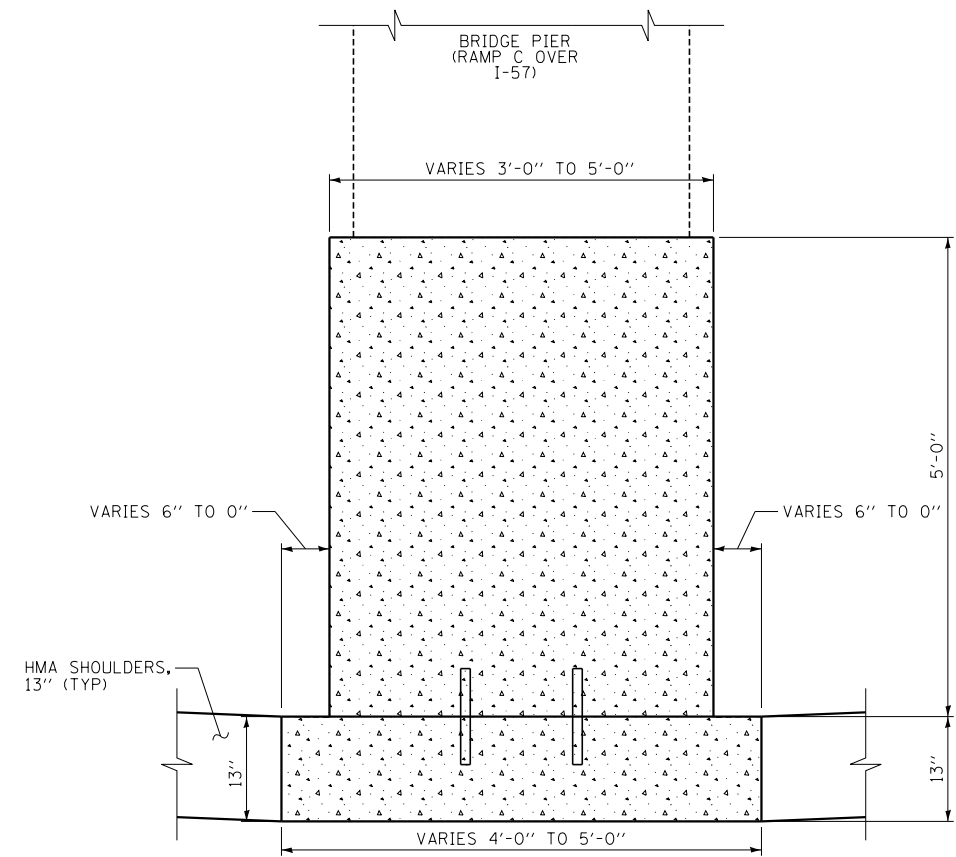
NOTE:
SEE MISCELLANEOUS DETAILS: CONCRETE MEDIAN
BARRIER TRANSITION, TYPE V-F AT BRIDGE PIERS
FOR MEDIAN BARRIER ALONG I-294 AT RAMP C BRIDGE PIER



SECTION A-A: EXISTING CONCRETE BARRIER AND BASE
SOUTH OF STA. 1246+59.21 AND NORTH OF 1247+39.21



SECTION B-B: TRANSITION
DIMENSIONS VARY AS SHOWN
STA. 1246+59.21 TO 1246+79.21 AND
STA. 1247+19.21 TO 1247+39.21



SECTION C-C: PROPOSED SECTION ADJACENT TO PIER
STA. 1246+79.21 TO 1246+89.21 AND
STA. 1247+09.21 TO 1247+19.21

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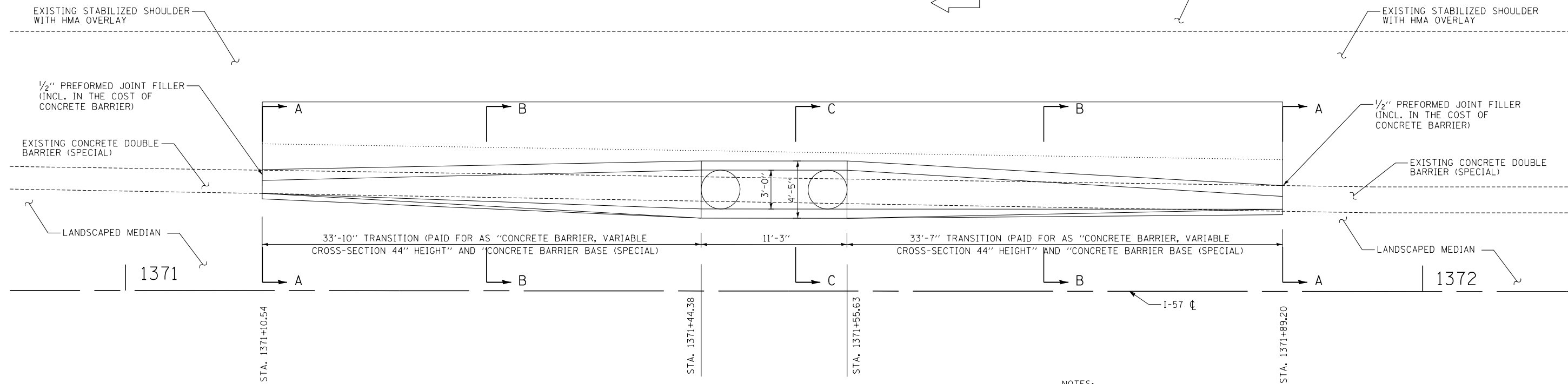
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
MISCELLANEOUS DETAILS:
CONC. BARRIER TRANSITION • I-57

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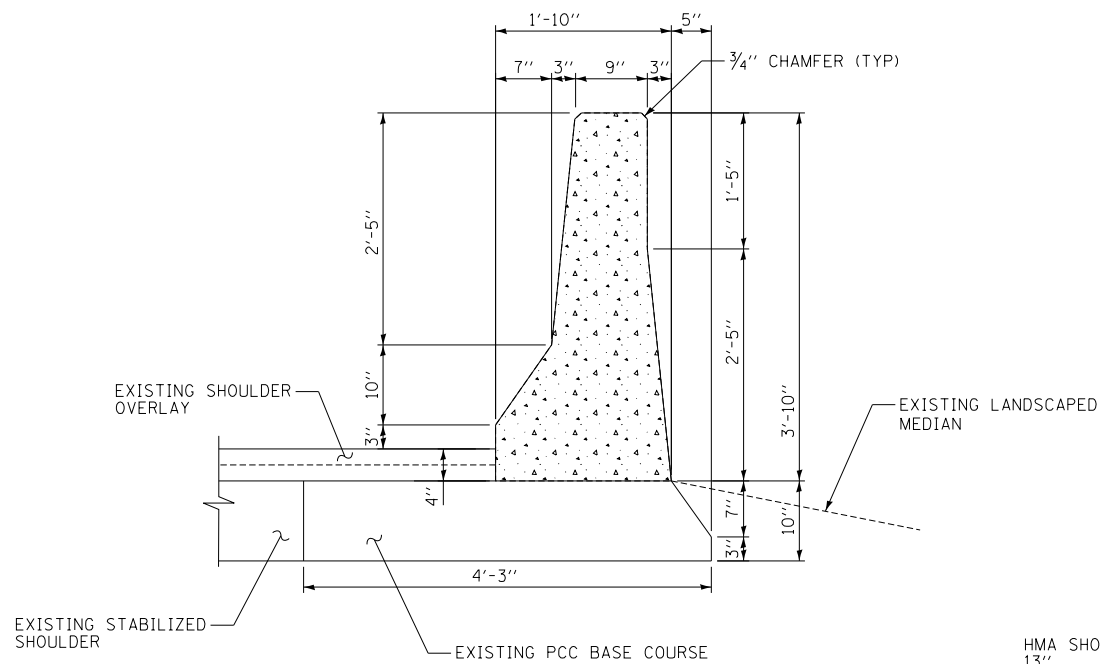
SB I-57

EXISTING PCC PAVEMENT



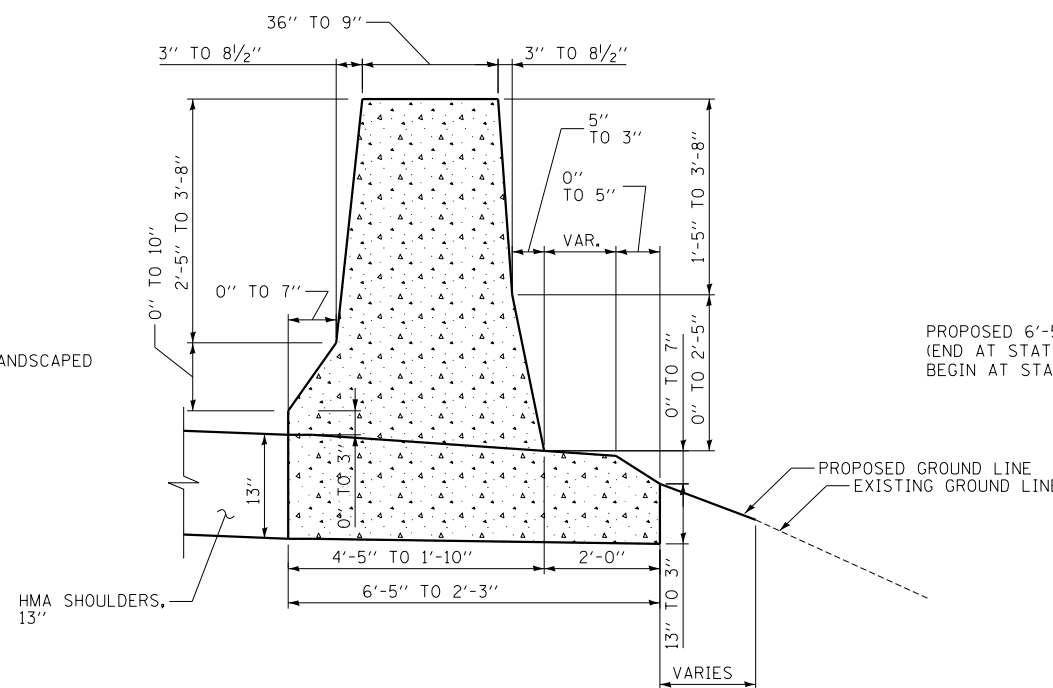
NOTES:

- EXISTING CONDUITS IN THE EXISTING BARRIER SECTION SHALL BE REMOVED AND REPLACED IN THE PROPOSED FOUNDATION AND TRANSITION BASE. THIS WORK SHALL BE PAID FOR AS CONDUIT EMBEDDED IN STRUCTURE.
- EXISTING CABLE SHALL BE REMOVED AND REINSTALLED IN THE REPLACED CONDUIT. THIS WORK SHALL BE PAID FOR AS REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT.



SECTION A-A: EXISTING CONCRETE DOUBLE BARRIER (SPECIAL)

SOUTH OF STA. 1371+10.54
NORTH OF STA. 1371+89.20



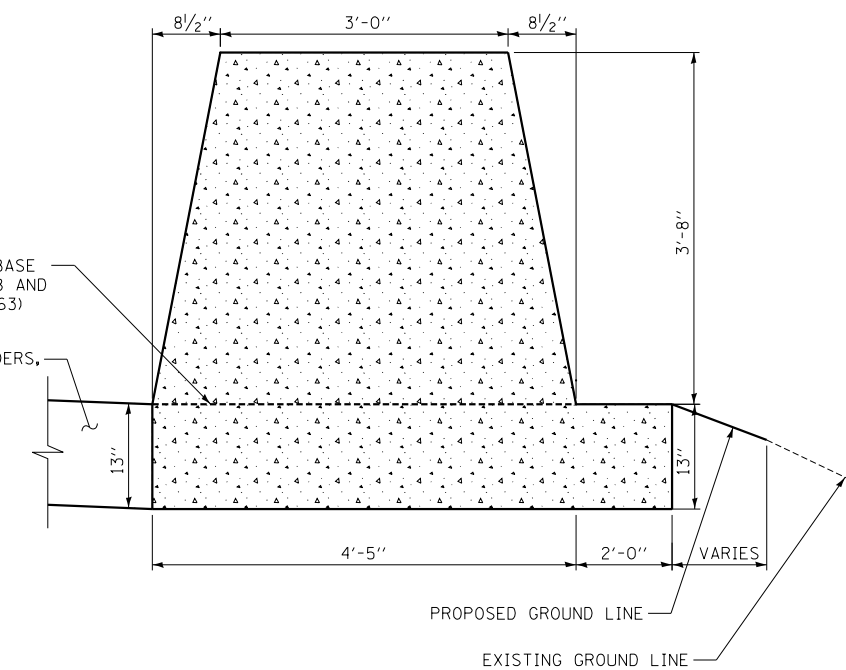
SECTION B-B: TRANSITION

PAID FOR AS "CONCRETE BARRIER, VARIABLE CROSS-SECTION 44" HEIGHT" AND "CONCRETE BARRIER BASE (SPECIAL)"

DIMENSIONS VARY AS SHOWN
STA. 1371+10.54 TO STA. 1371+44.38
STA. 1371+55.63 TO STA. 1371+89.20

PROPOSED 6'-5" BARRIER BASE
(END AT STATION 1371+44.38 AND BEGIN AT STATION 1371+55.63)

HMA SHOULDERS,
13"



SECTION C-C: PROPOSED CONCRETE OVERHEAD SIGN STRUCTURE

MEDIAN SUPPORT (PER IDOT STD.)

STA. 1371+44.38 TO STA. 1371+55.63

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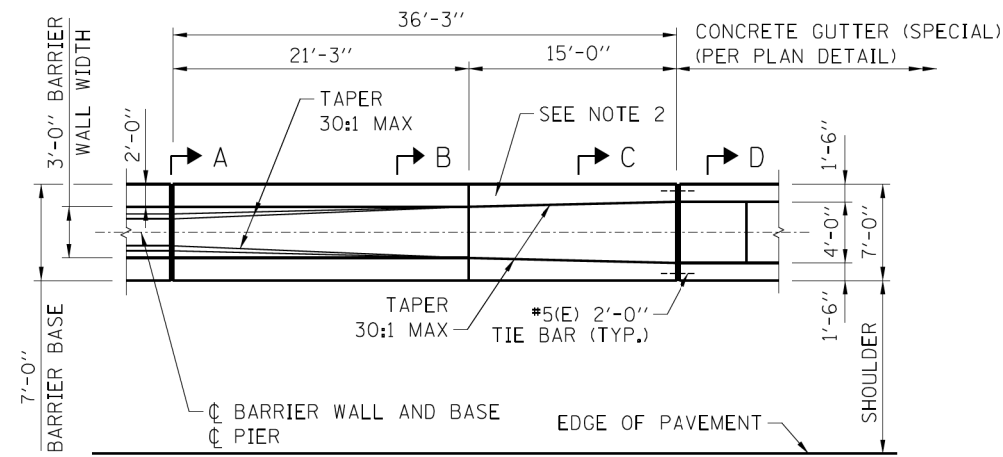
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2700 OGDEN AVENUE
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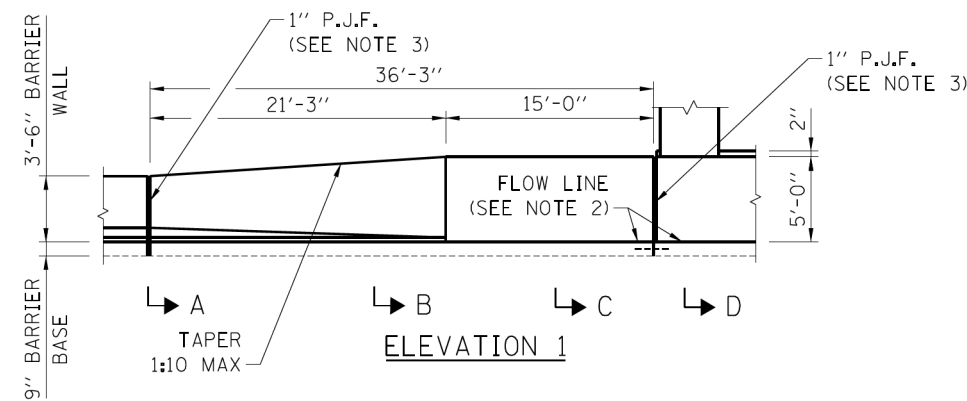
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
MISCELLANEOUS DETAILS:
CONCRETE BARRIER TRANSITION

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PLAN 1



ELEVATION 1

CONCRETE MEDIAN BARRIER TRANSITION, TYPE V-F
AT BRIDGE PIERS

NOTES:

- 2" DEEP CONTRACTION JOINTS SHALL BE DONE BY SAWING AND SHALL BE CONSTRUCTED IN THE CONCRETE BARRIER WALL, CONCRETE BARRIER BASE, AND CONCRETE GUTTER (SPECIAL). CONTRACTION JOINTS SHALL ALSO BE CONSTRUCTED AT BOTH SIDES OF ALL DRAINAGE STRUCTURES. MAXIMUM CONTRACTION JOINT SPACING SHALL BE 30'-0". THE MINIMUM DISTANCE BETWEEN CONTRACTION JOINTS IN THE MEDIAN BARRIER WALL SHALL BE 2'-0". WHEN A DRAINAGE STRUCTURE FALLS WITHIN 2'-0" FROM AN EXPANSION JOINT (OR) CONTRACTION JOINT, THE NEAREST CONTRACTION JOINT SHALL BE OMITTED.
- GUTTER PROFILE IN THE VICINITY OF SAG VERTICAL CURVES, ALONG FLAT GRADES AND AT THE MEETING OF PROPOSED AND EXISTING GUTTER, SHALL BE CAREFULLY CONTROLLED AND FIELD ADJUSTED IF NECESSARY TO ENSURE POSITIVE DRAINAGE AND AVOID PONDING.
- NON-STAINING GRAY ONE COMPONENT NON-SAG ELASTOMERIC GUN GRADE POLYURETHANE SEALANT MEETING THE REQUIREMENTS OF ASTM C-920, TYPE S, GRADE NS, CLASS 25, USE T WITH A BACKER ROD.

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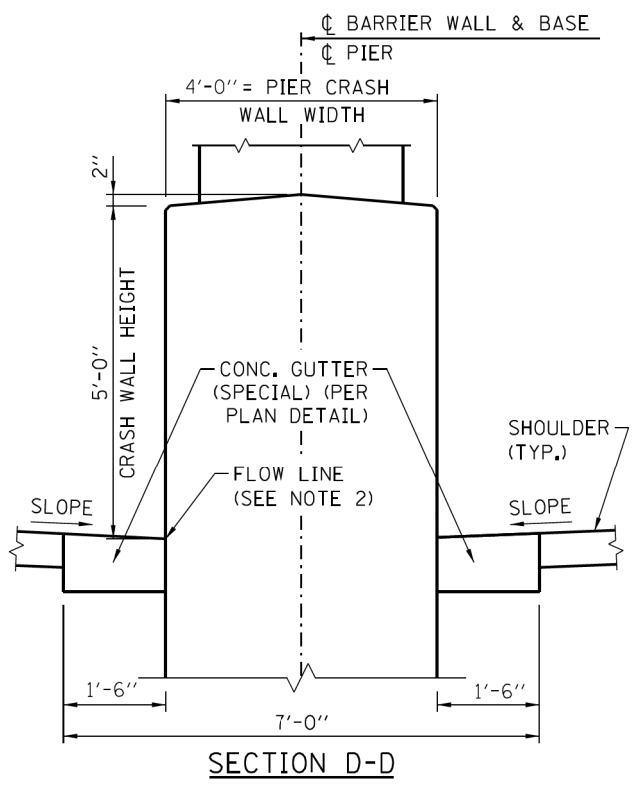
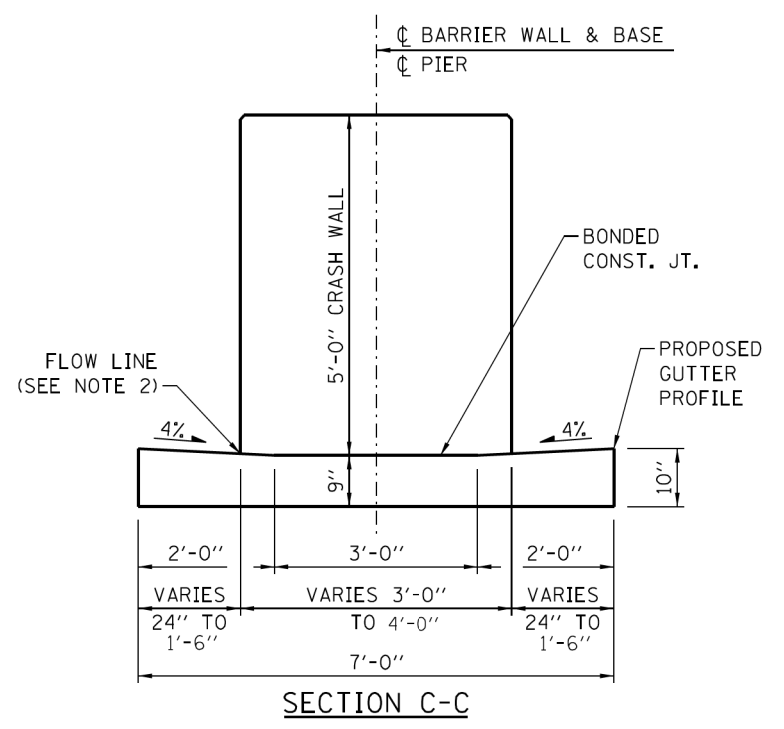
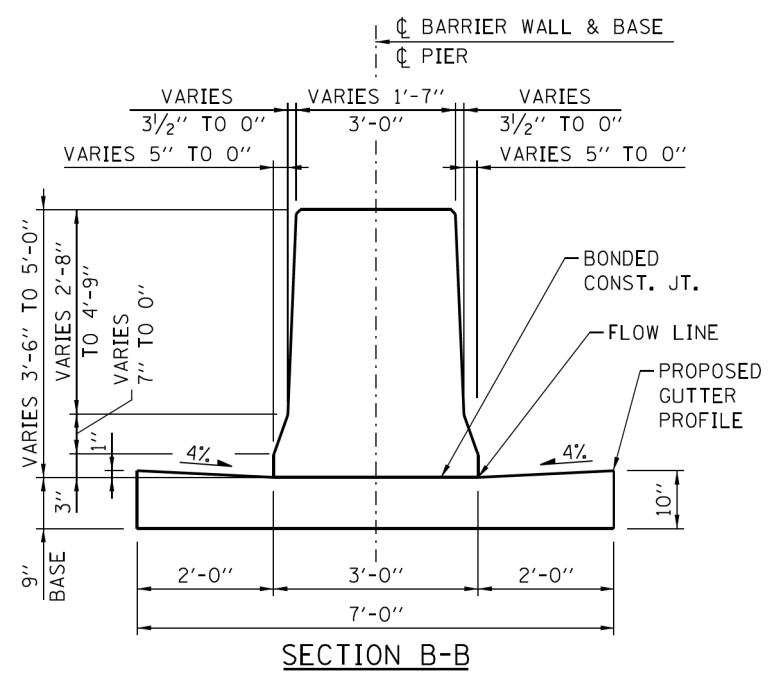
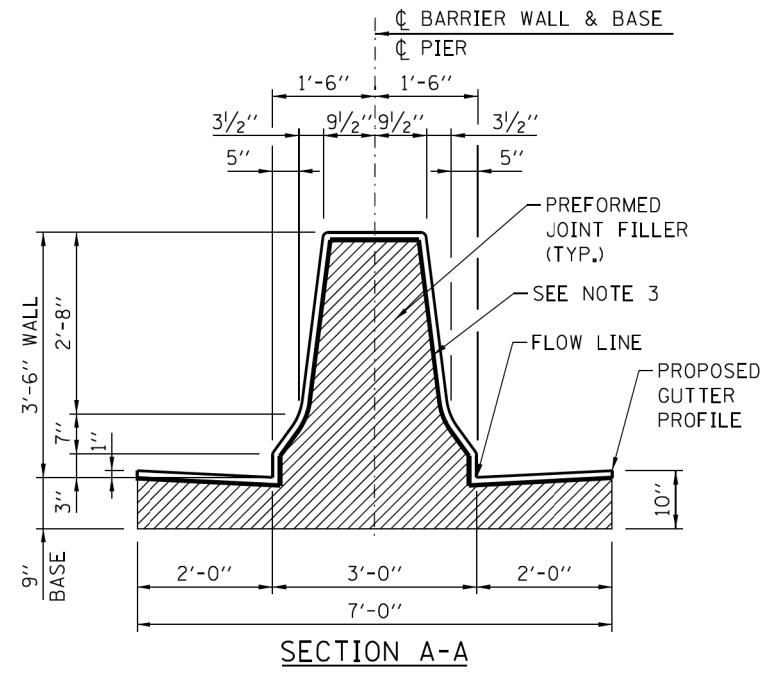
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NO.	DATE	DESCRIPTION

CONTRACT I-19-4495

I-57 AT 294 RAMPS C AND F2
MISCELLANEOUS DETAILS:
CONCRETE BARRIER TRANSITION
TYPE V-F AT BRIDGE PIERS 1 OF 2

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NOTES:
SEE SHEET 1 OF THIS SERIES FOR NOTES.

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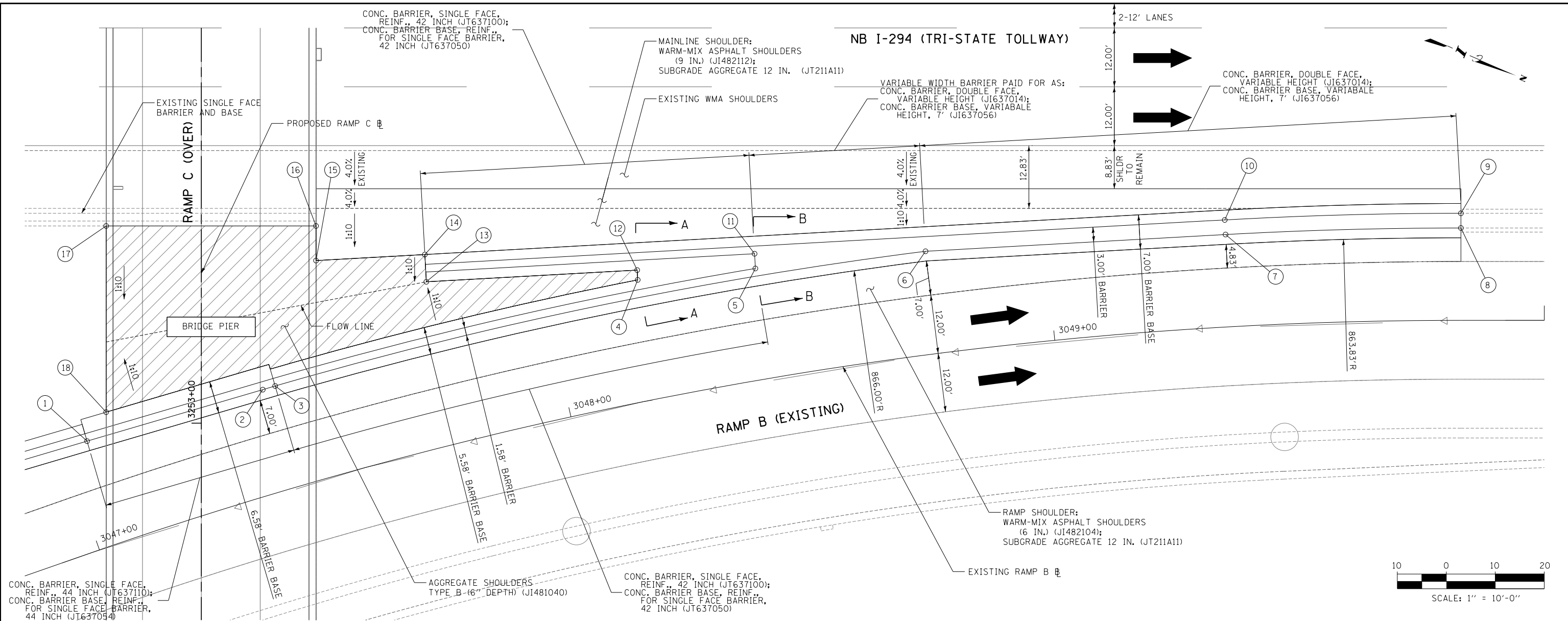


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2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

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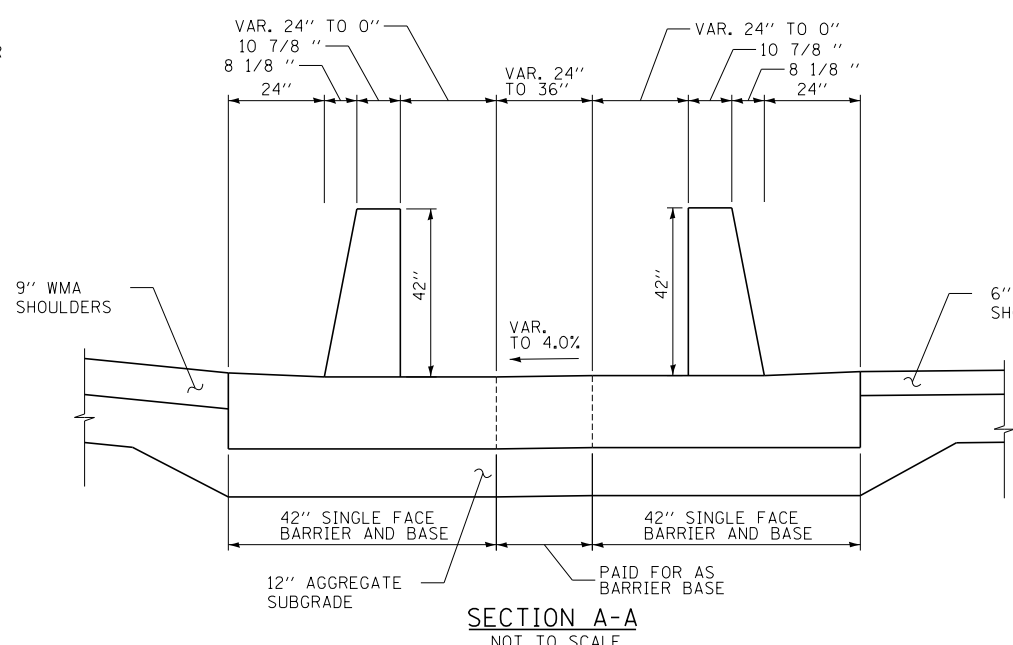
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
MISCELLANEOUS DETAILS:
CONCRETE BARRIER TRANSITION
TYPE V-F AT BRIDGE PIERS 2 OF 2

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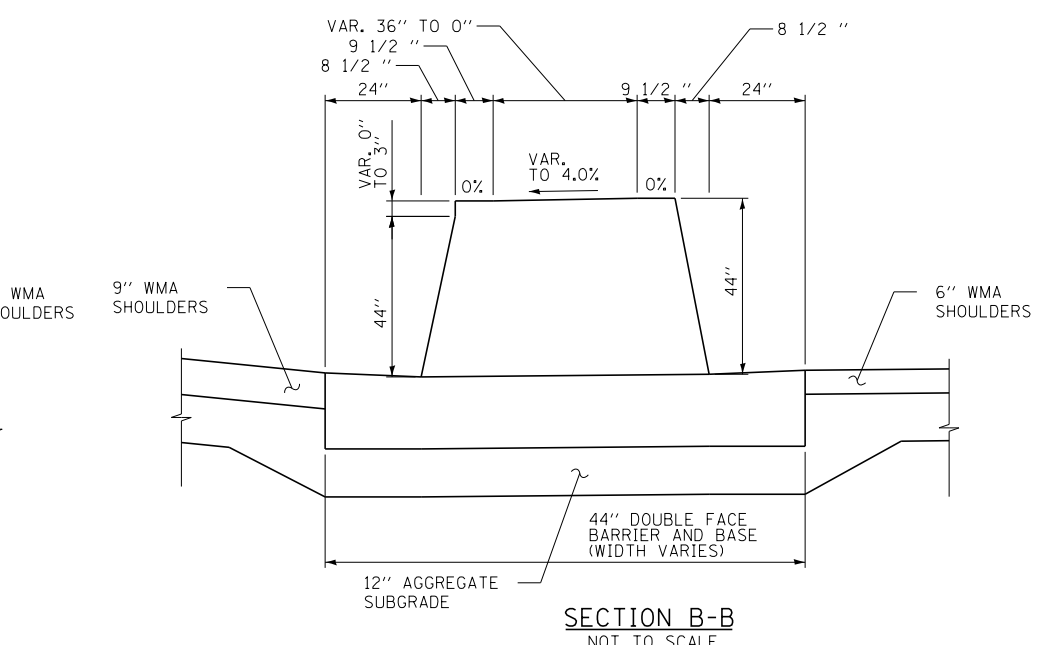


NUMBER	STATION	OFFSET	DESCRIPTION	ELEVATION
1	3047+04.76	21.80' LT	TOE OF BARRIER	613.07*
2	3047+41.19	21.00' LT	TOE OF BARRIER (PC POINT)	613.43*
3	3047+43.77	21.00' LT	TOE OF BARRIER	613.46*
4	3048+18.77	24.58' LT	BACK OF BARRIER BASE	613.96
5	3048+42.13	22.58' LT	BACK OF BARRIER	614.05*
6	3048+76.13	21.00' LT	TOE OF BARRIER (KINK POINT)	614.19*
7	3049+35.99	18.83' LT	TOE OF BARRIER (PC POINT)	614.46*
8	3049+82.99	18.83' LT	TOE OF BARRIER (PT POINT)	614.44*
9	412+78.12	76.83' RT	TOE OF BARRIER (PT POINT)	614.96*
10	412+29.92	78.17' RT	TOE OF BARRIER (PC POINT)	615.80*
11	411+33.99	85.09' RT	BACK OF BARRIER	614.17*
12	411+10.07	88.42' RT	BACK OF BARRIER BASE	613.97
13	410+67.04	90.81' RT	BACK OF BARRIER BASE	613.60
14	410+66.73	85.23' RT	FRONT OF BARRIER BASE	613.68
15	410+44.55	86.47' RT	CORNER OF WMA SHLDR	613.49
16	410+44.55	79.42' RT	BACK OF EX. BARRIER BASE	613.19
17	410+01.71	79.42' RT	LIMIT OF AGG SHLDR	614.06
18	3047+10.18	26.17' LT	LIMIT OF AGG SHLDR	613.13

* = ELEVATION AT BASE OF BARRIER



SECTION A-A
NOT TO SCALE



SECTION B-B
NOT TO SCALE

DRAWN BY . . . MFG
 CHECKED BY
 DATE . . . 4-3-2020
 SCALE . . . 1"=10'

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

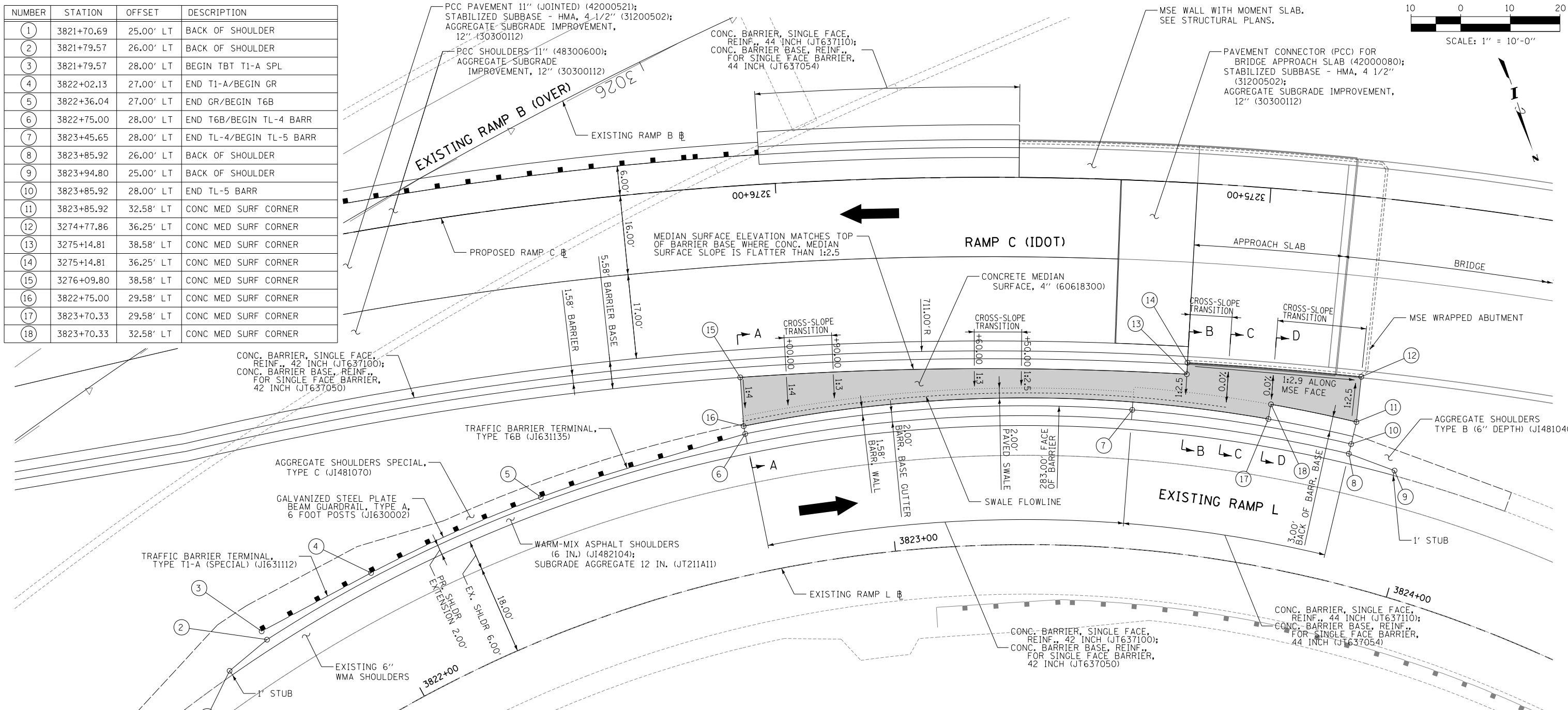
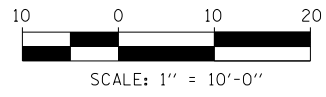
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 MISCELLANEOUS DETAILS
 RAMP B ADJACENT NB I-294

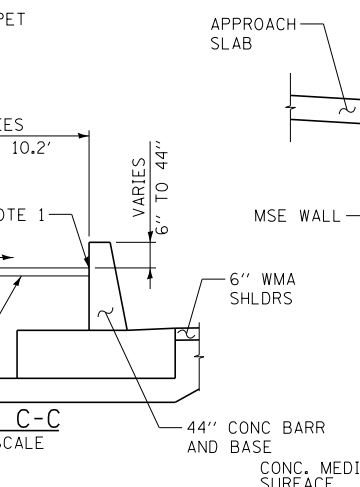
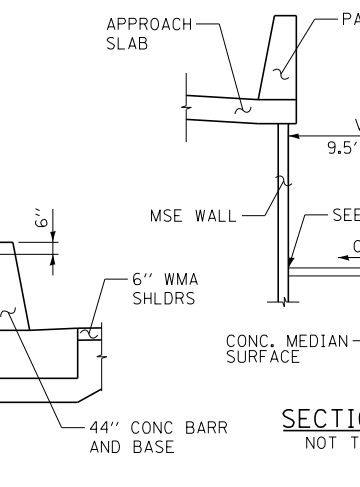
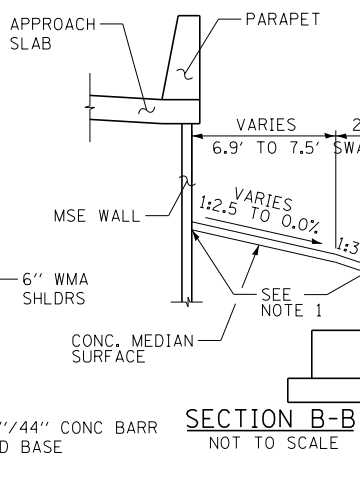
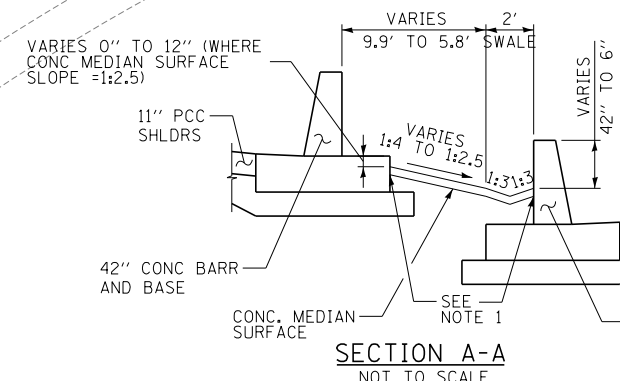
SHEET DTL-09
 83 OF 606

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 2/13/2020

NUMBER	STATION	OFFSET	DESCRIPTION
1	3821+70.69	25.00' LT	BACK OF SHOULDER
2	3821+79.57	26.00' LT	BACK OF SHOULDER
3	3821+79.57	28.00' LT	BEGIN TBT T1-A SPL
4	3822+02.13	27.00' LT	END T1-A/BEGIN GR
5	3822+36.04	27.00' LT	END GR/BEGIN T6B
6	3822+75.00	28.00' LT	END T6B/BEGIN TL-4 BARR
7	3823+45.65	28.00' LT	END TL-4/BEGIN TL-5 BARR
8	3823+85.92	26.00' LT	BACK OF SHOULDER
9	3823+94.80	25.00' LT	BACK OF SHOULDER
10	3823+85.92	28.00' LT	END TL-5 BARR
11	3823+85.92	32.58' LT	CONC MED SURF CORNER
12	3274+77.86	36.25' LT	CONC MED SURF CORNER
13	3275+14.81	38.58' LT	CONC MED SURF CORNER
14	3275+14.81	36.25' LT	CONC MED SURF CORNER
15	3276+09.80	38.58' LT	CONC MED SURF CORNER
16	3822+75.00	29.58' LT	CONC MED SURF CORNER
17	3823+70.33	29.58' LT	CONC MED SURF CORNER
18	3823+70.33	32.58' LT	CONC MED SURF CORNER



NOTE 1: 1/2" PREFORMED JOINT FILLER, INCLUDED IN THE COST OF CONCRETE MEDIAN SURFACE.



P:\6250\07-2914-5-19\Road\95NEW_Ramps_C&F2\01000095-DTL-Barr-rampC-L.dgn 2/13/2020

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 DATE **4-3-2020**
 CHECKED BY
 SCALE **1"=10'**

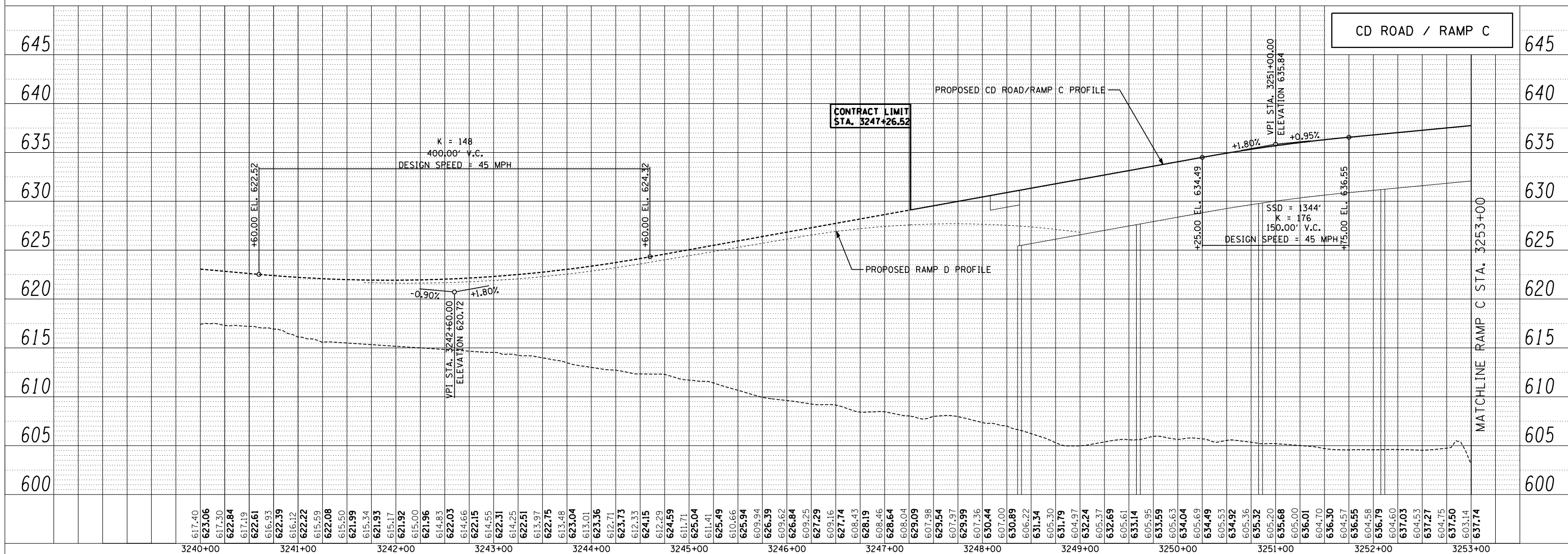
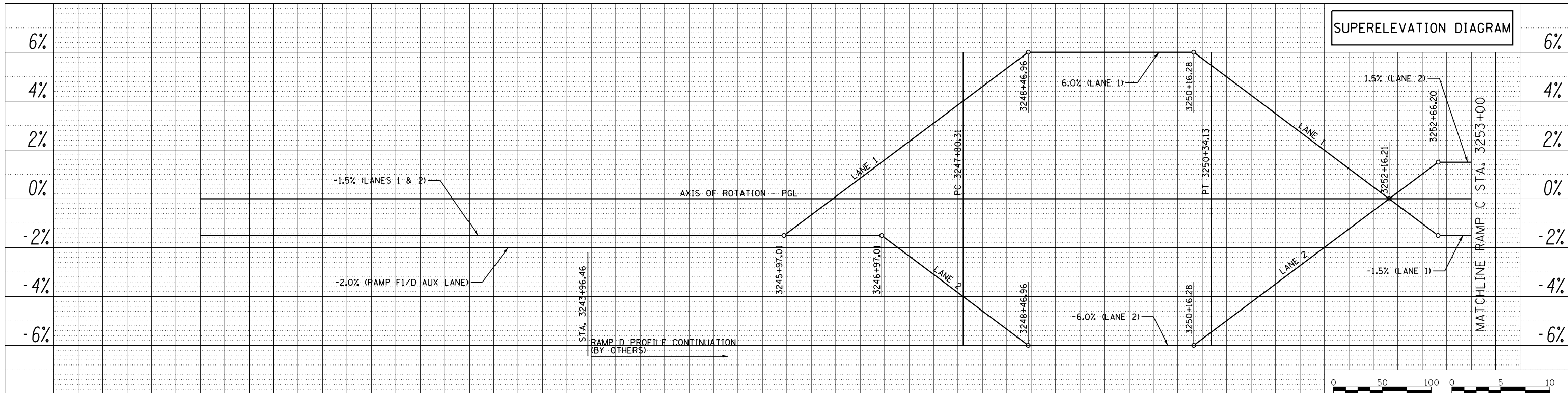
TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2
MISCELLANEOUS DETAILS
RAMP C AND RAMP L
84 OF **606**
 SHEET **DTL-10**



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CHECKED BY JPM
DATE 4-3-2020
SCALE 1"=5' V
1"=50' H

TYLIN INTERNATIONAL

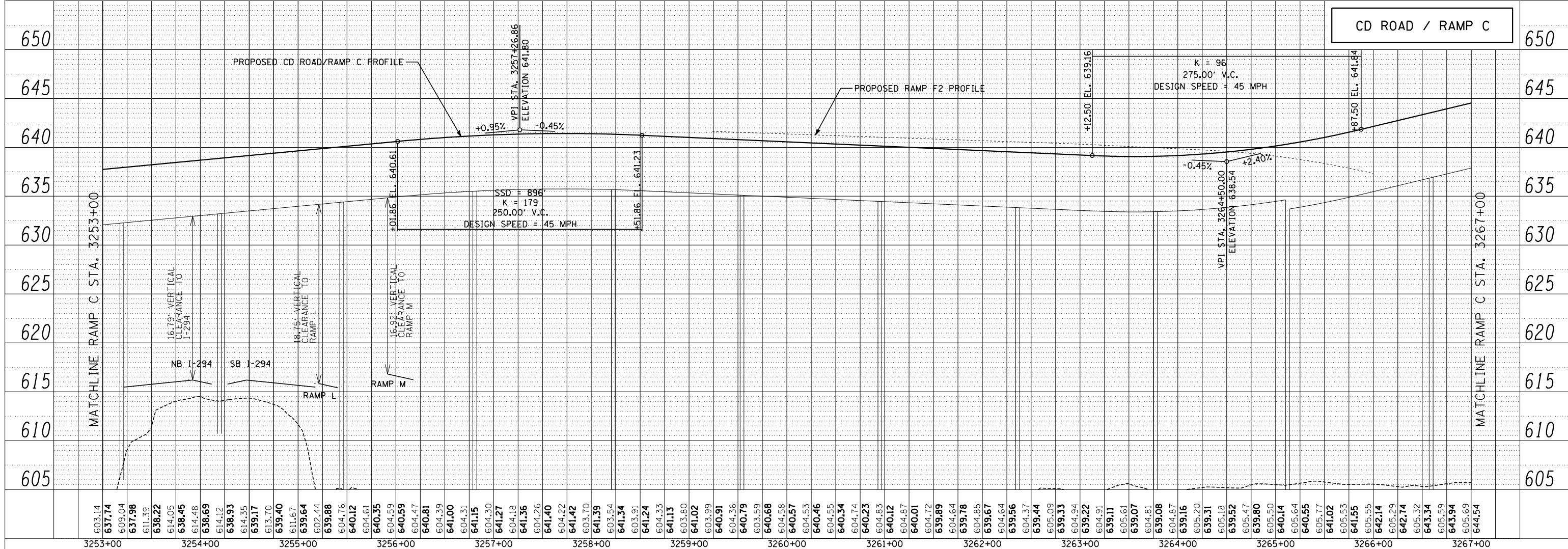
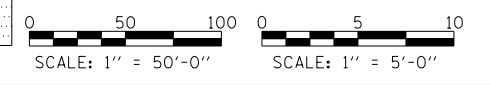
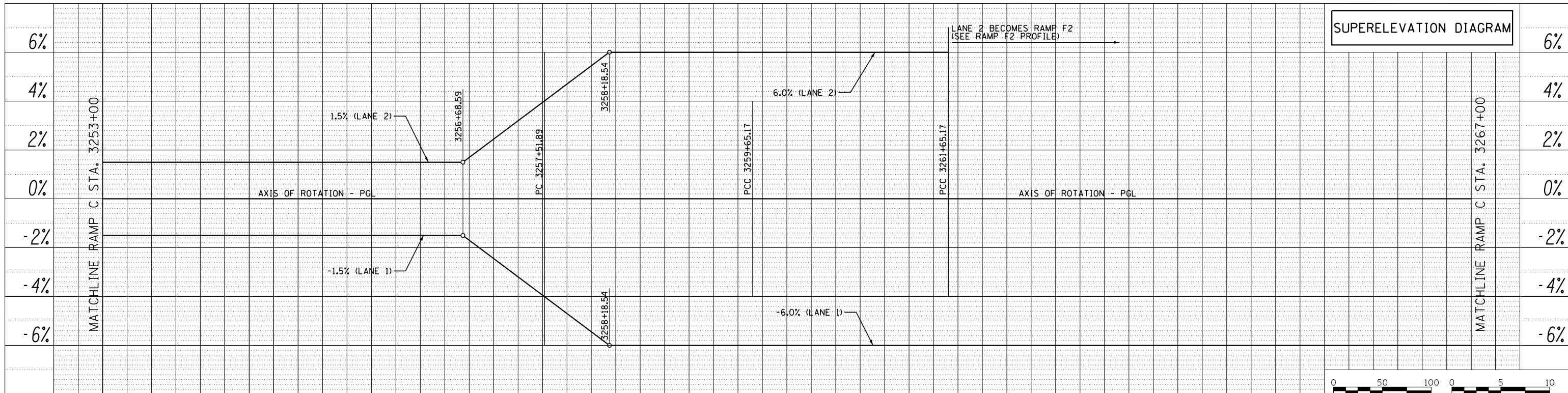


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
ROADWAY PROFILES -
PROPOSED CD ROAD / RAMP C

SHEET PRF-001
85 OF 606



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DATE 4-3-2020
 SCALE 1"=50'
 1"=50'

TYLIN INTERNATIONAL



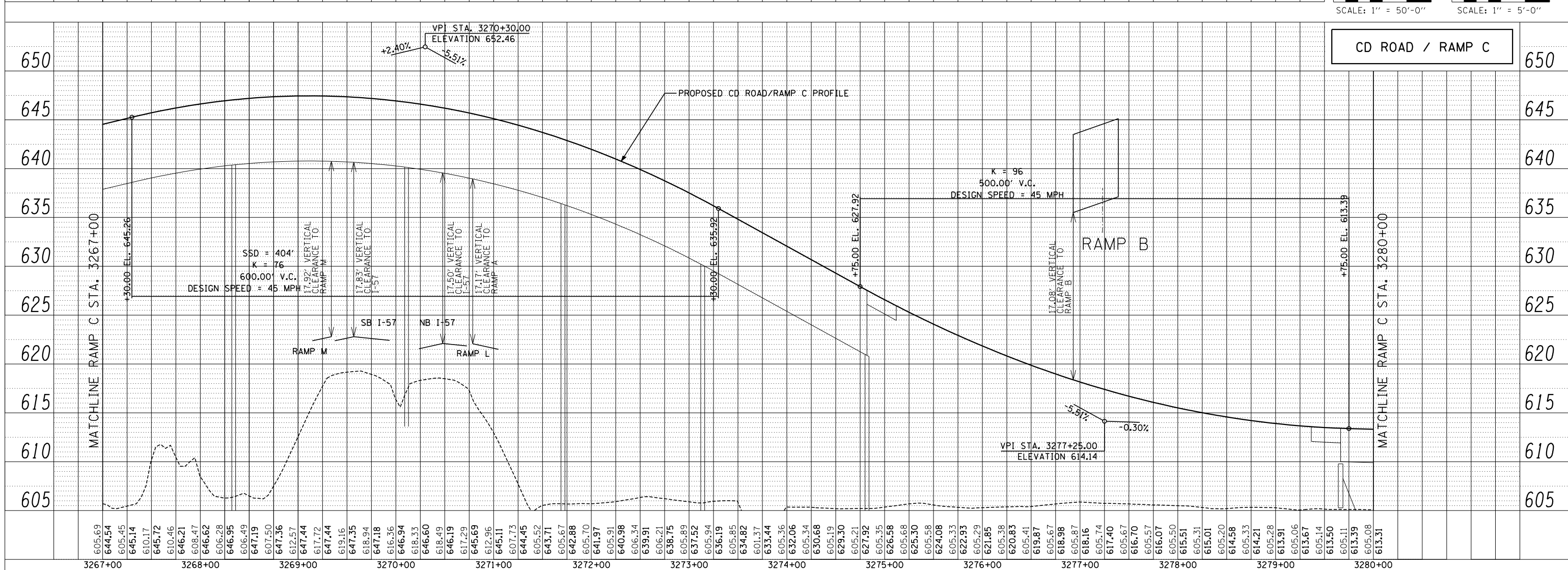
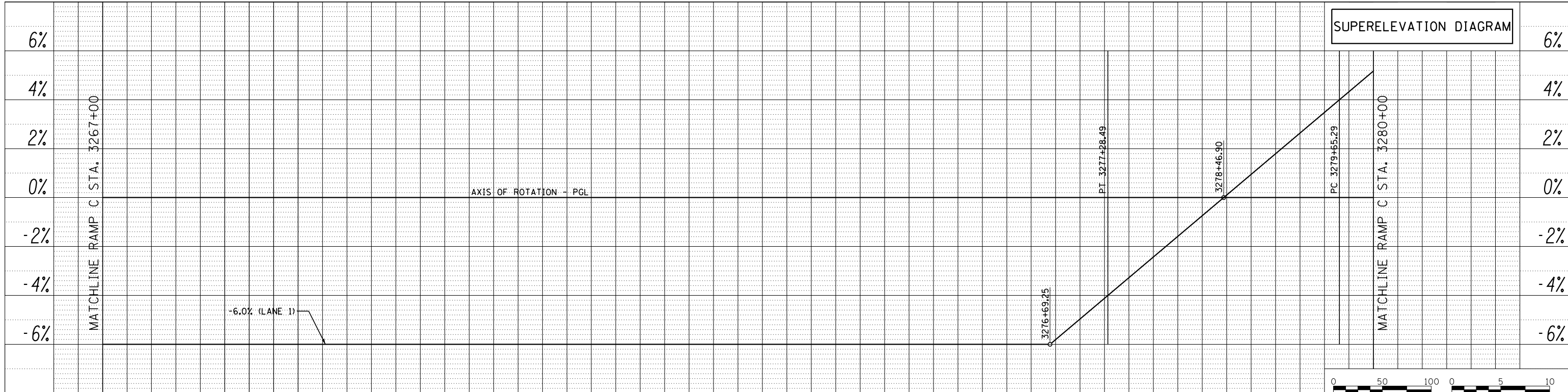
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 ROADWAY PROFILES -
 PROPOSED CD ROAD / RAMP C

SHEET PPF-002
 86 OF 606

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 3/12/2020



DRAWN BY MFG
 CHECKED BY JPM

DATE 4-3-2020
 SCALE 1"=5' V
 1"=50' H

TYLIN INTERNATIONAL



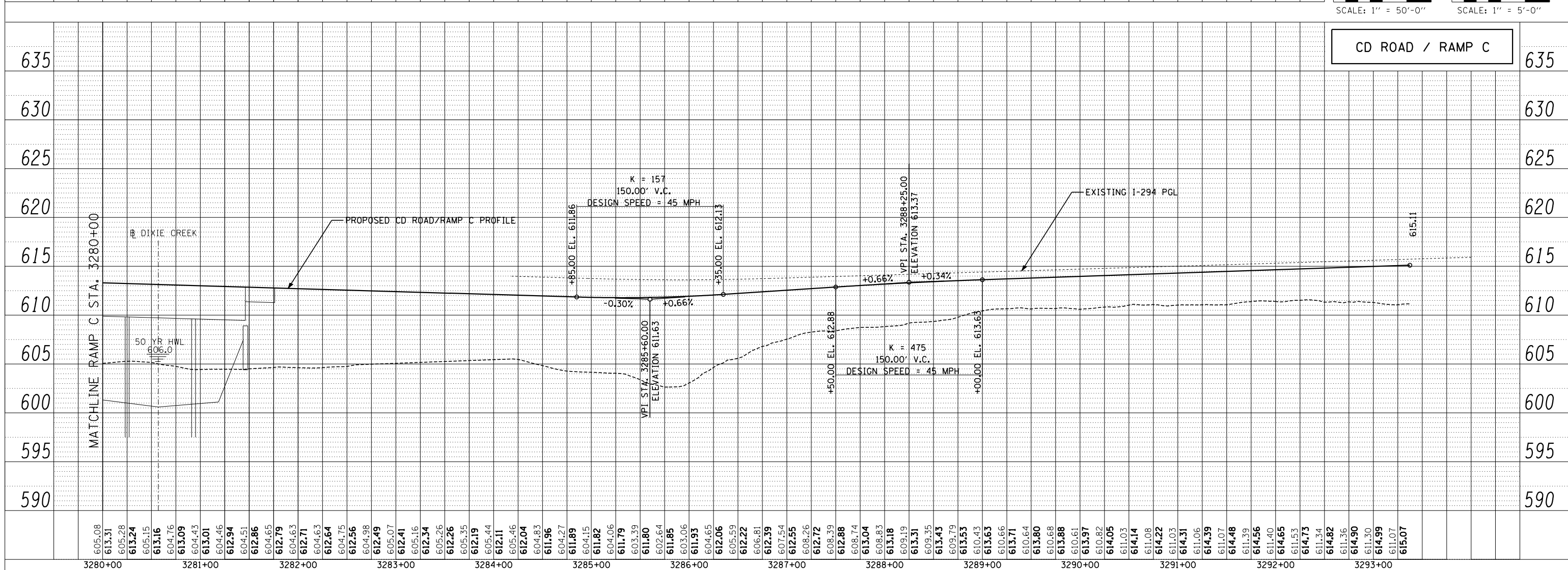
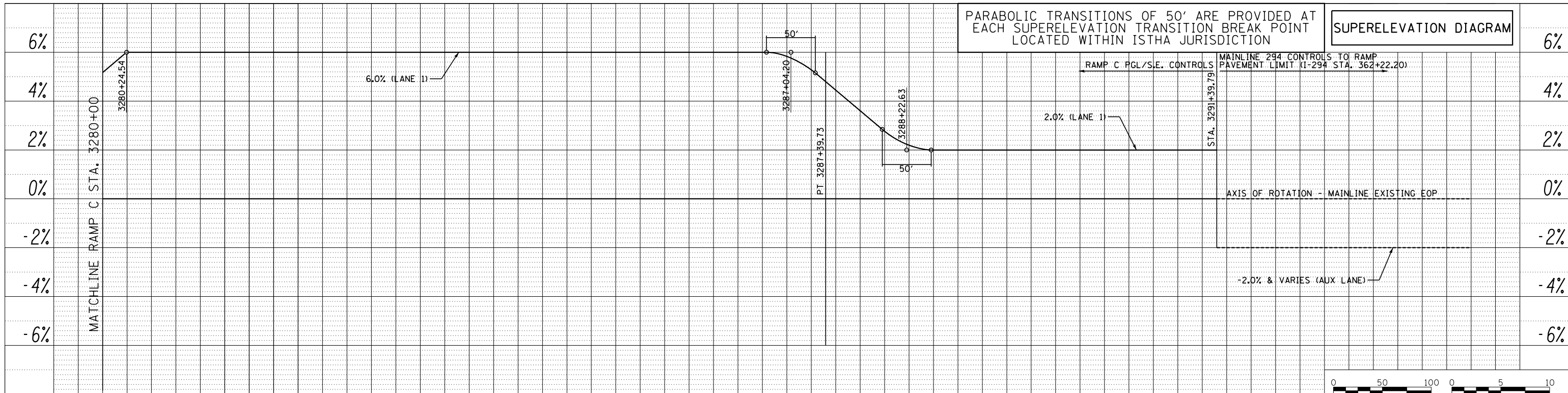
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 ROADWAY PROFILES -
 PROPOSED CD ROAD / RAMP C

SHEET PPF-003
 87 OF 606

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 3/12/2020



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DATE 4-3-2020
 SCALE 1"=5' V
 1"=50' H

TYLIN INTERNATIONAL



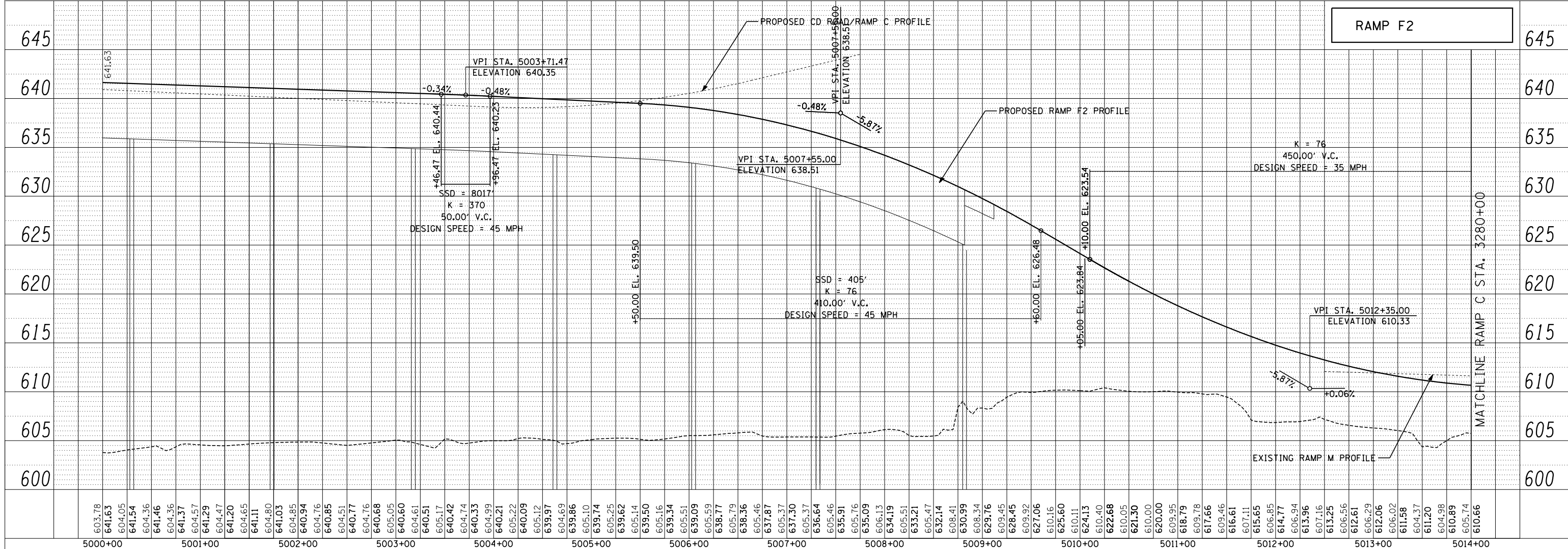
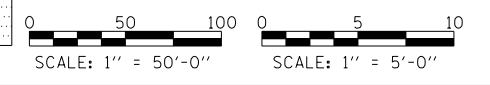
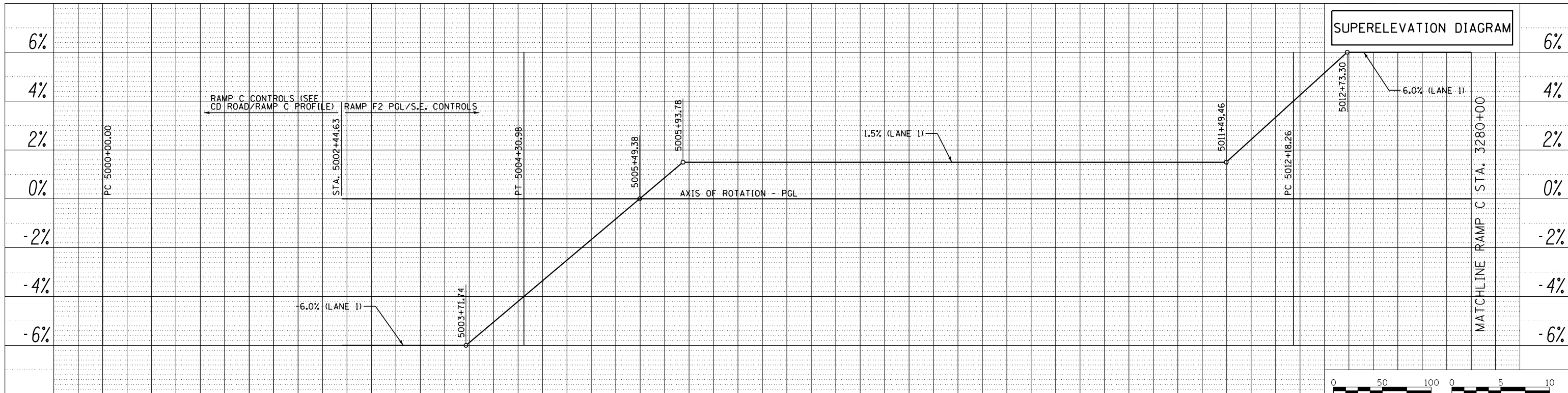
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 ROADWAY PROFILES -
 PROPOSED CD ROAD / RAMP C

SHEET PRF-004
 88 OF 606

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 3/12/2020



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 CHECKED BY JPM

DATE 4-3-2020
 SCALE 1"=5' V
 1"=50' H

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

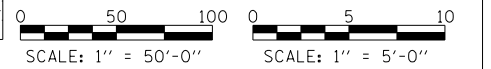
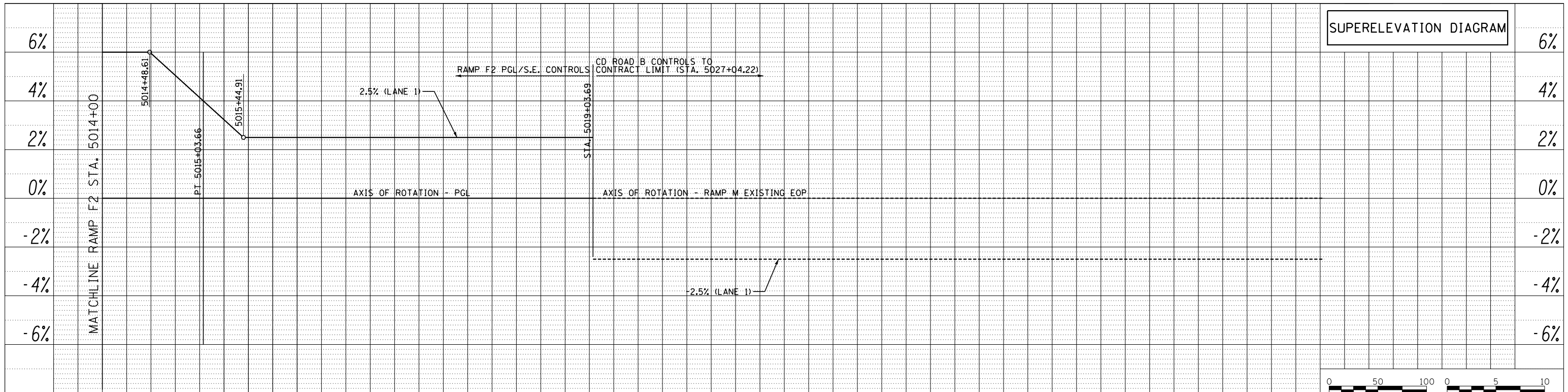
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 ROADWAY PROFILES -
 PROPOSED RAMP F2

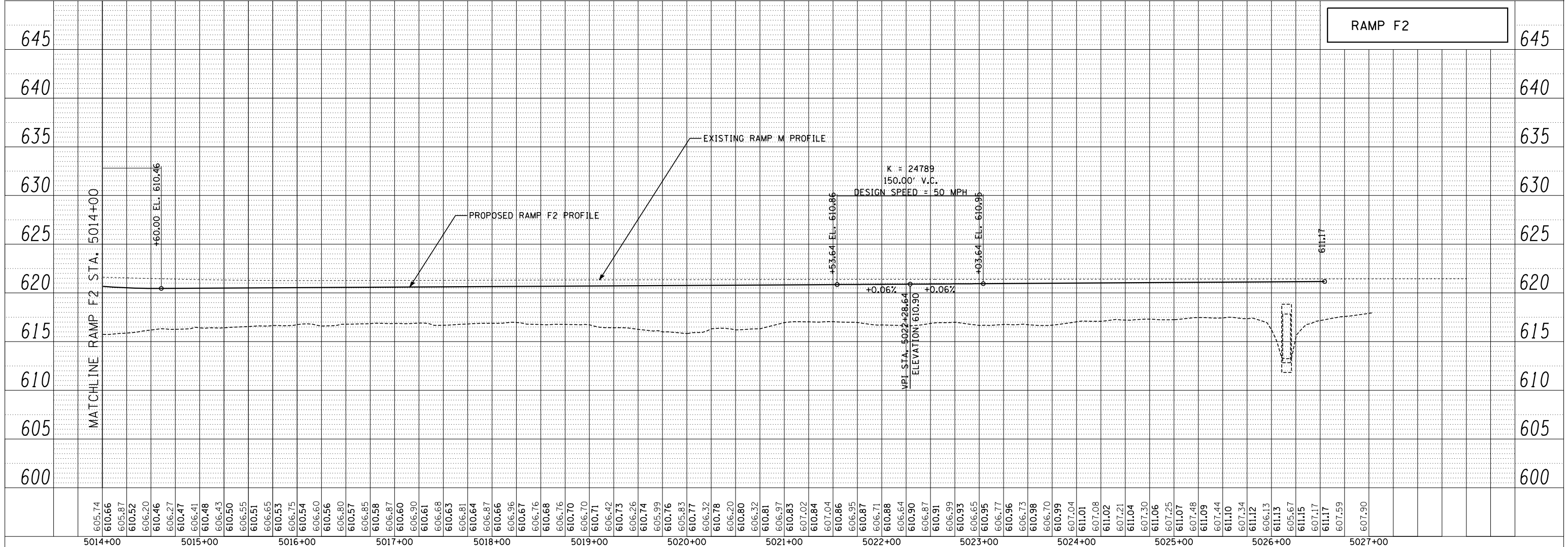
SHEET PRF-005
 89 OF 606

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SUPERELEVATION DIAGRAM



RAMP F2



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 3/12/2020

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 CHECKED BY **JPM**

DATE **4-3-2020**
 SCALE **1"=5' V**
 1"=50' H

TYLIN INTERNATIONAL

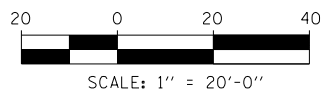
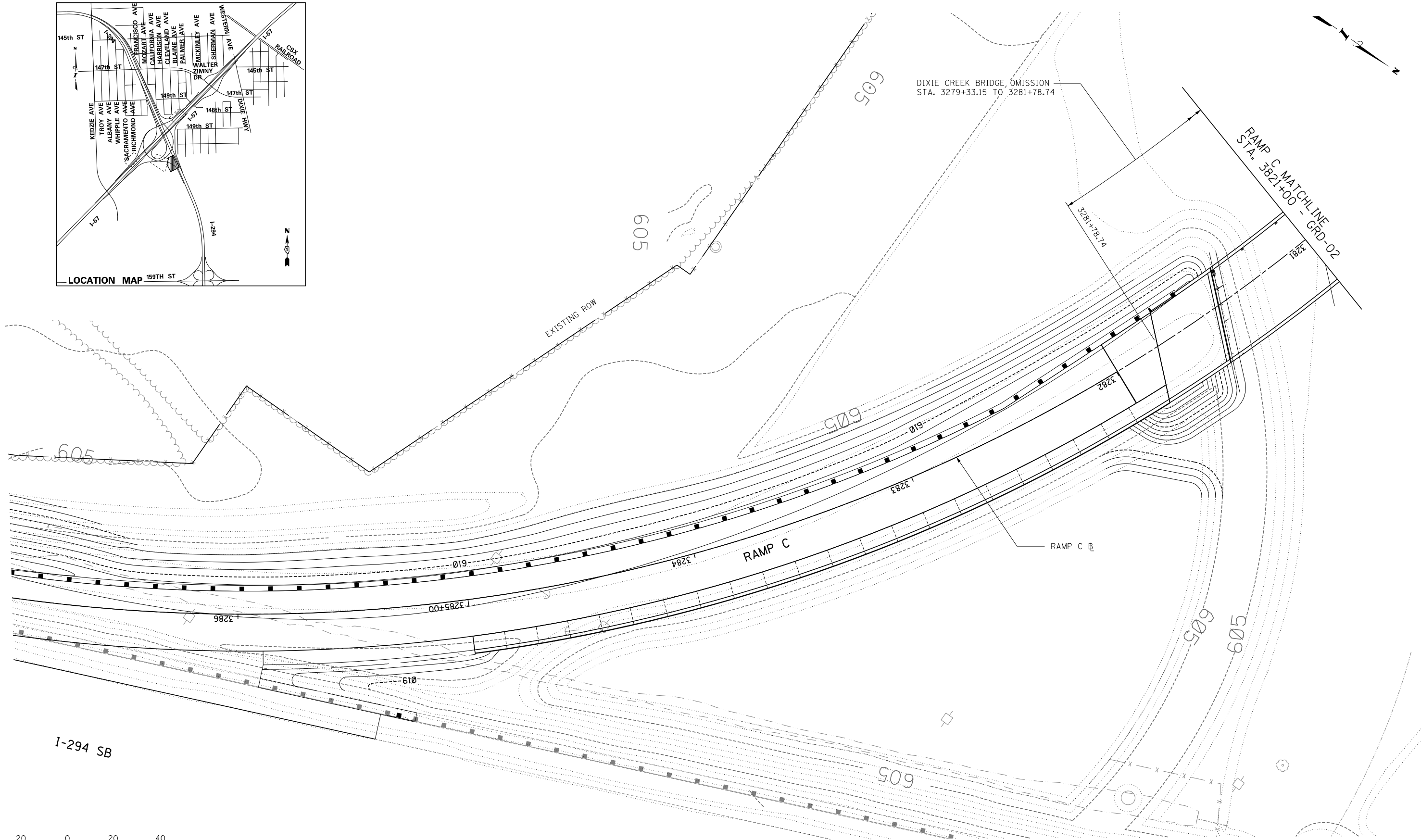
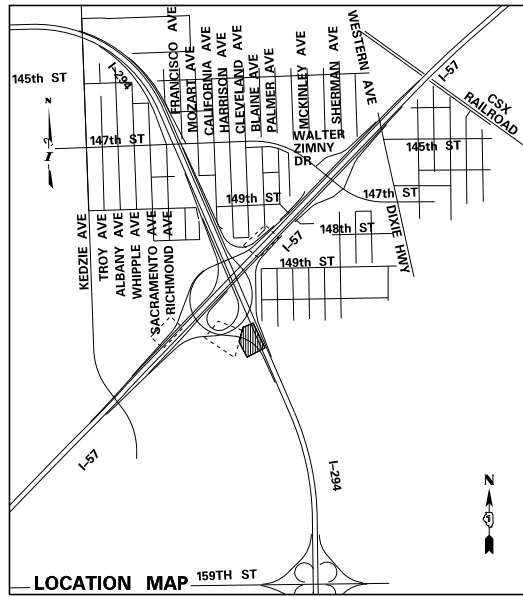


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
ROADWAY PROFILES -
PROPOSED RAMP F2

SHEET **PRF-006**
90 OF **606**



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 CHECKED BY

DATE *4-3-2020*
 SCALE *1:20*

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

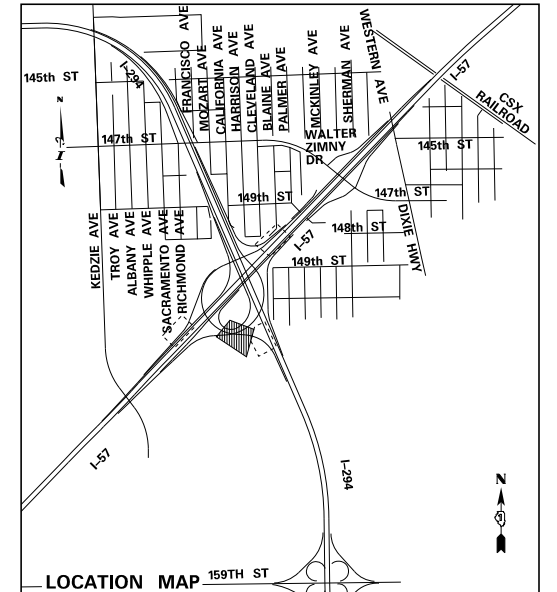
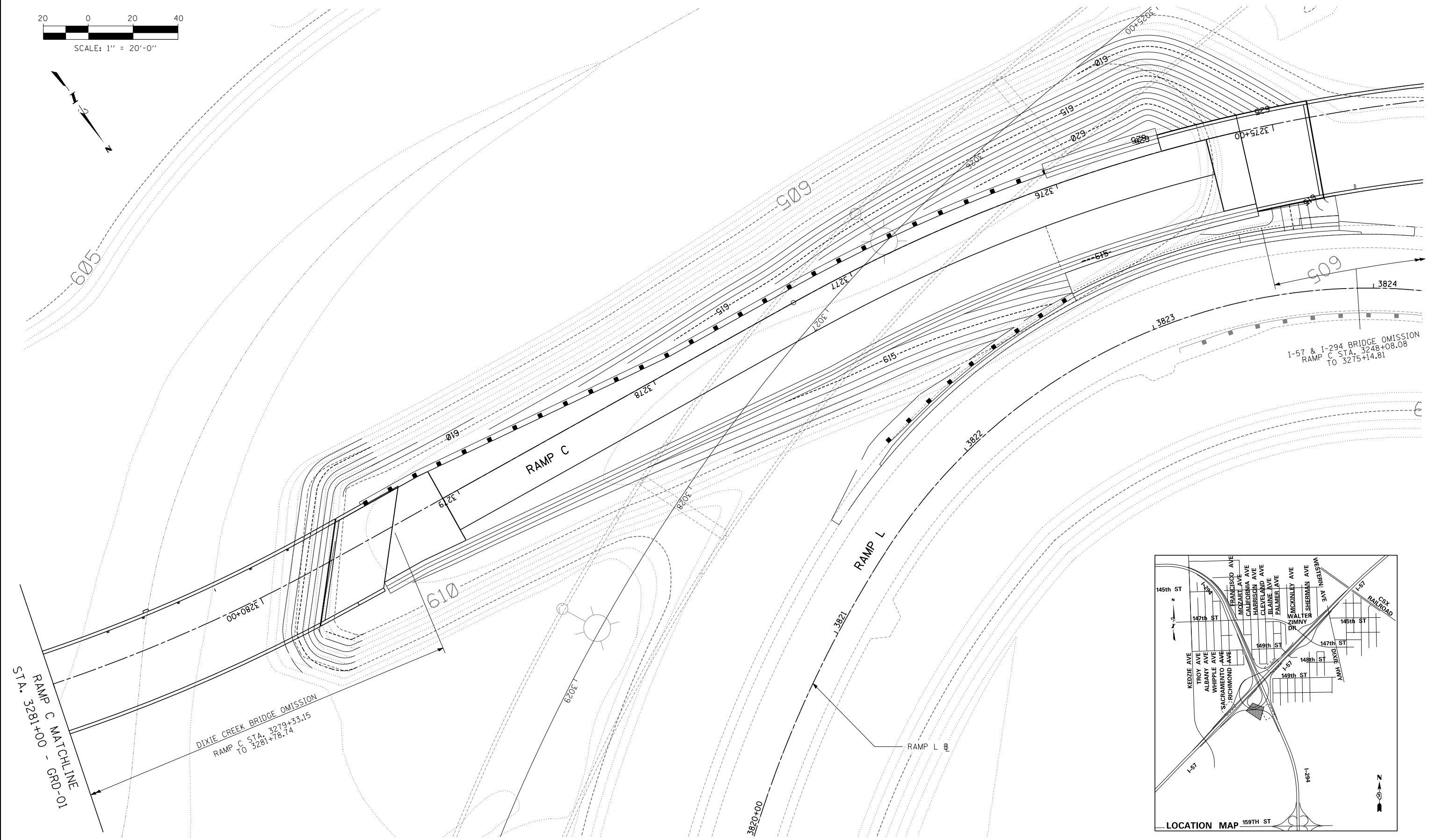
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 GRADING PLANS

SHEET *GRD-01*
 91 OF 606

20 0 20 40

SCALE: 1" = 20'-0"



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DRAWN BY **FRD**
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DATE **4-3-2020**
SCALE **1:20**

TYLIN INTERNATIONAL

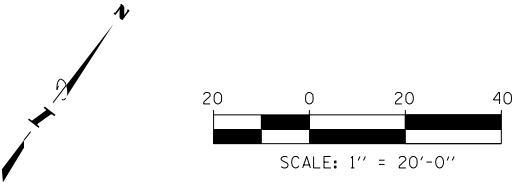
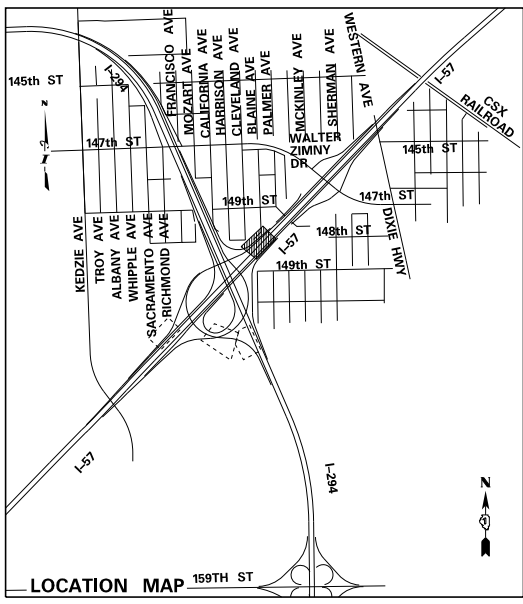
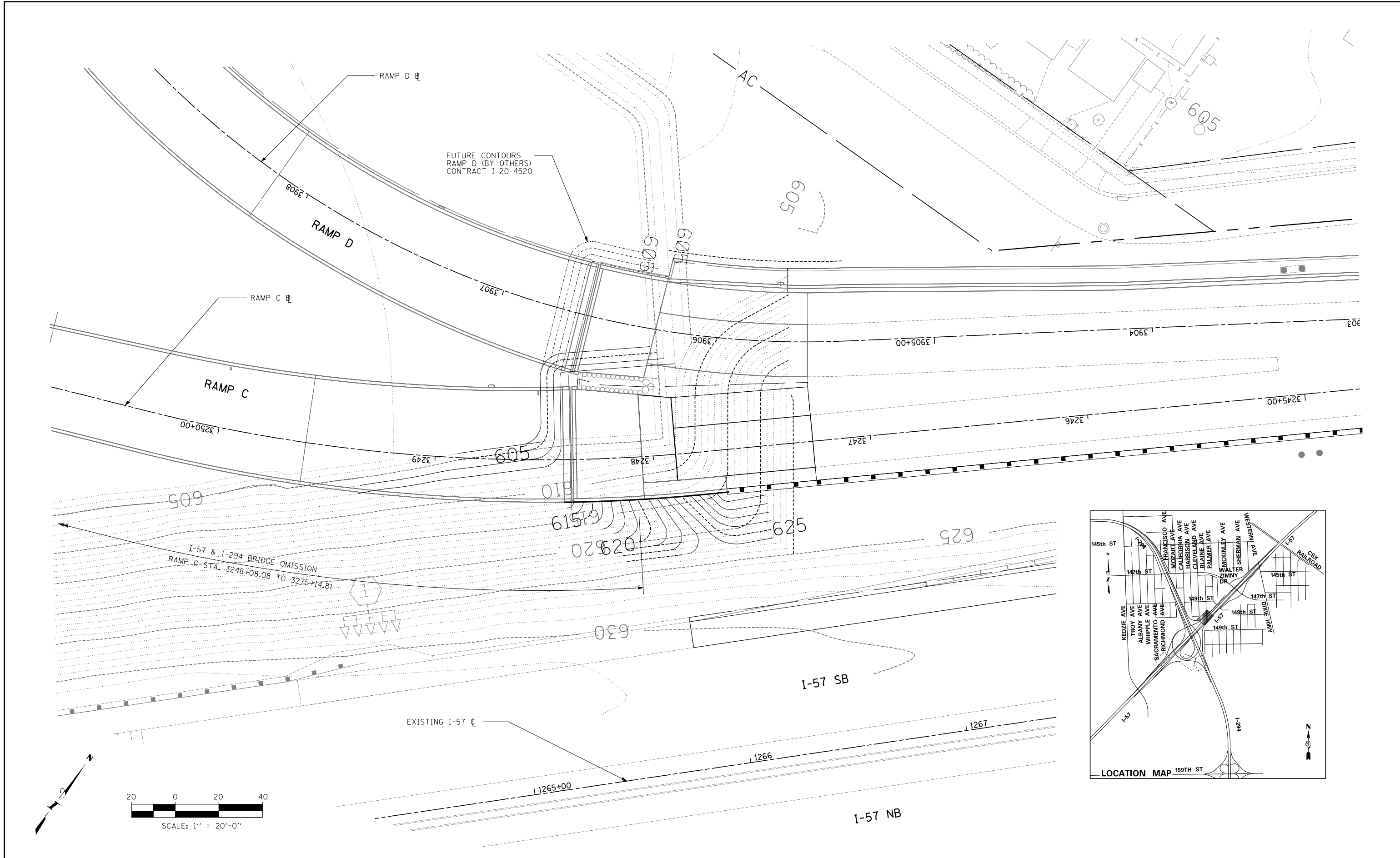


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2
GRADING PLANS

SHEET **GRD-02**
92 OF **606**



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TYLIN INTERNATIONAL

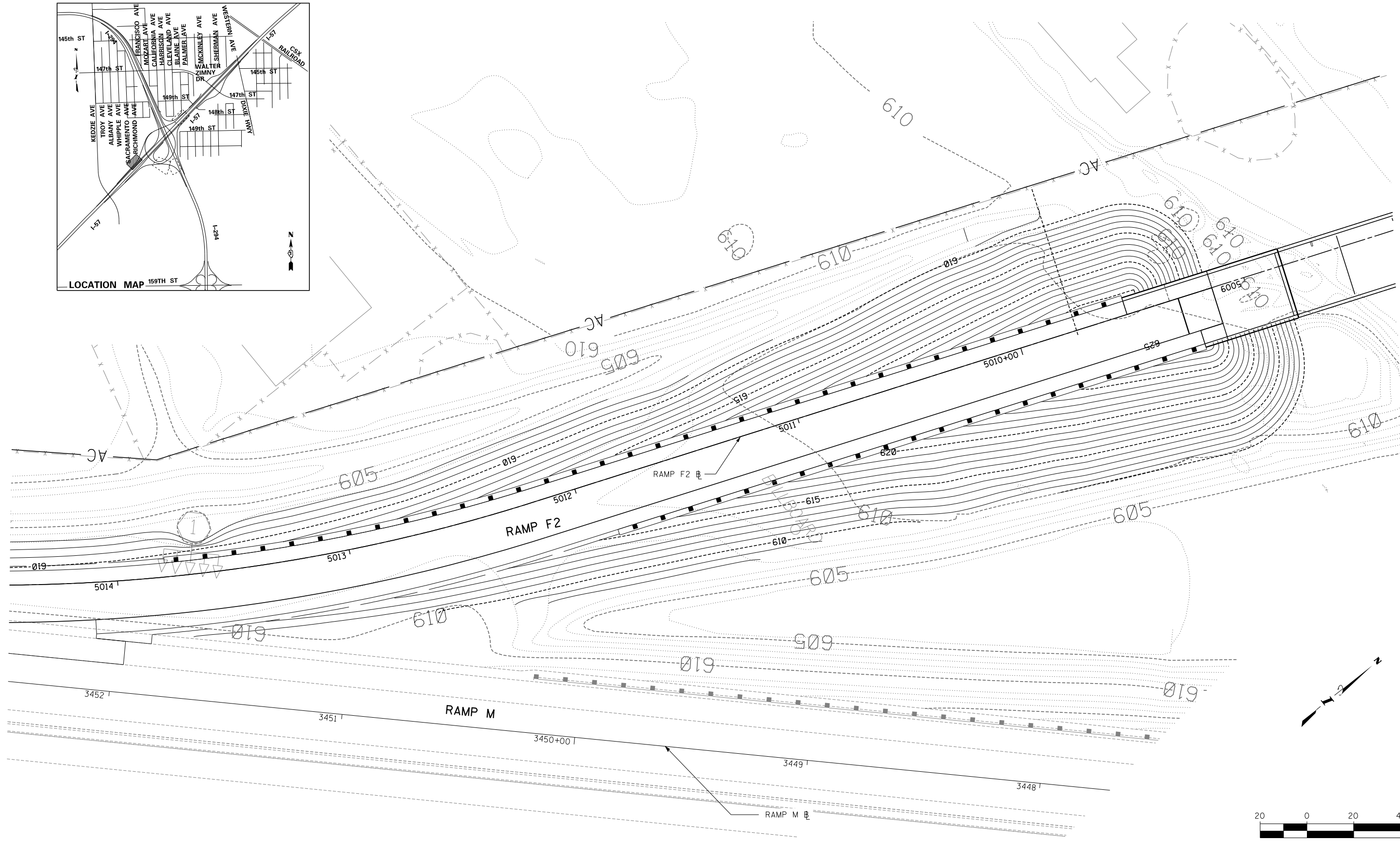
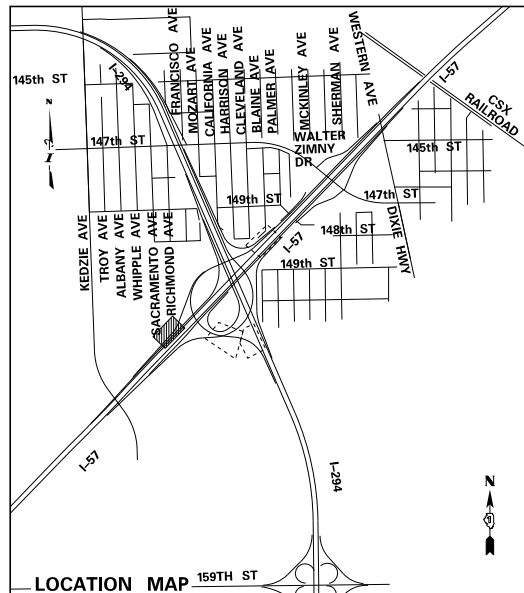


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 GRADING PLANS

SHEET GRD-03
 93 OF 606



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 CHECKED BY

DATE **4-3-2020**
 SCALE **1:20**

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 GRADING PLANS

SHEET **GRD-04**
94 OF **606**

EXISTING DRAINAGE STRUCTURE SCHEDULE (OTHER CONTRACTS)

PHASE NO.	STRUCTURE NUMBER	STATION	OFFSET	BASELINE	STRUCTURE TYPE	CASTING	EX RIM ELEVATION	I-20-4495		EXISTING			
								PR RIM ELEVATION	NORTH INVERT	SOUTH INVERT	SOUTHEAST INVERT	EAST INVERT	WEST INVERT
#3T	4087-47	416+00	168.46' RT	I-294	MANHOLES, TYPE A, 4'-DIAMETER	TYPE 1 FRAME, CLOSED LID	614.00	614.05			609.50		609.50
	4087-49	410+00	102.5' RT	I-294	SLOPED HEADWALL TYPE III, 15"	1:3			609.00				
	4087-102	414+45	127.7' RT	I-294	MANHOLES, TYPE A, 8'-DIAMETER	TYPE 1 FRAME, CLOSED LID	613.53	614.40	601.80	601.80			607.75
#7	4464-100	1266+50.0	97.3' LT	I-57	CATCH BASINS, TYPE C	TYPE 8 GRATE	623.43		617.88				
	4464-102	1267+49.5	97.6' LT	I-57	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	622.64		617.38	617.38			619.38
	4464-104	1268+66.0	97.3' LT	I-57	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	621.96		615.85	616.85			616.85
	4464-106	1270+75.0	93.3' LT	I-57	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 8 GRATE		621.06	615.31	615.31			
	4464-108	1271+20.0	91.9' LT	I-57	MANHOLES, TYPE A, 6'-DIAMETER	TYPE 8 GRATE	PLATED	620.50		615.23		612.97	615.00
	4464-110	1271+20	69.5' LT	I-57	MANHOLES, TYPE A, 7'-DIAMETER	TYPE 22 FRAME AND GRATE	PLATED	626.55				EX 612.9	612.95
	4464-202	1273+00	84.8' LT	I-57	CATCH BASINS, TYPE A, 4'-DIAMETER	TYPE 8 GRATE	PLATED	621.58				616.68	616.68
	4464-204	1273+00	69.5' LT	I-57	DRAINAGE STRUCTURES, TYPE 5	TWO TYPE 22 FRAMES AND GRATES	PLATED	625.09	616.64			EX 616.6	616.64
	4464-206	1274+75	69.5' LT	I-57	DRAINAGE STRUCTURES, TYPE 4	TWO TYPE 20 FRAMES AND GRATES	PLATED	623.81		616.99			616.99

- NOTES: COMMENTS IN BOLD SHALL BE PERFORMED AS PART OF THIS CONTRACT.
- COMMENTS IN ITALICS SHALL BE PERFORMED BY OTHER CONTRACTS OCCURING WITHIN THIS CONTRACT'S LIMITS OF CONSTRUCTION.
- #4087 REFERS TO TOLLWAY LET CONTRACT I-13-4087 FOR THE I-57/294 INTERCHANGE, NORTHBOUND MEMPHIS MOVEMENT (CONSTRUCTION COMPLETED)
- #4464 REFERS TO TOLLWAY LET CONTRACT I-19-4464 FOR THE I-57 SOUTHBOUND PAVEMENT AND DRAINAGE IMPROVEMENTS (PHASE #7)

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DRAWN BY JCH
CHECKED BY SRB

DATE 3-12-2020
SCALE NOT TO SCALE



REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
EXISTING DRAINAGE SCHEDULE

SHEET SCH-01
95 OF 606

LOCATION					CONCRETE HEADWALL REMOVAL (EACH) 50104400	PIPE CULVERT REMOVAL (FOOT) 50105220	STORM SEWER REMOVAL 15" (FOOT) 55100700	STORM SEWER REMOVAL 18" (FOOT) 55100900	STORM SEWER TO BE FILLED WITH CLSM (CU YD) 59300100	CATCH BASINS TO BE ADJUSTED (EACH) 60250200	MANHOLES TO BE ADJUSTED (EACH) 60255500	REMOVING CATCH BASINS (EACH) 60500050	DRAINAGE STRUCTURES TO BE ADJUSTED (EACH) Z0018400	DRAINAGE STRUCTURE TO BE REMOVED (EACH) Z0018700	
UPSTREAM ID NUMBER	UPSTREAM STATION	DOWNSTREAM ID NUMBER	DOWNSTREAM STATION	OFFSET (FOOT)											
INTERSTATE 294															
	365+87.2			109	LT	1									
	365+87.2		366+09.9		LT			22							
	366+09.9			108.5	LT	1									
	367+31.1			103.5	LT	1									
	367+31.1		367+50.4		LT			19							
	367+50.4			103.1	LT	1									
	383+41.5			106.2	LT	1									
	383+41.5		383+57.9		LT			17							
	383+57.9			106	LT	1									
	384+74.8			97.3	LT	1									
	384+74.8		385+35.1		LT		61								
	385+35.1			98.3	LT	1									
	410+45.6			0	RT									1	
	410+45.6		410+45.6	80	RT			3.5							
4087-45	410+66.0			74.83	RT							1			
4087-46	410+66.0		410+66.0	85	RT			8							
4087-47	410+66.0			85	RT						1				
4087-48	410+66.0		410+08.5	100	RT			60							
4087-49	410+00.0			102.5	RT	1									
SUBTOTAL INTERSTATE 294						9	61	68	58	3.5	0	1	1	0	1
INTERSTATE 57															
4464-106	1270+75.0			93.3	LT						1				
4464-108	1271+20.0			91.9	LT							1			
4464-110	1271+20			69.5	LT							1			
4464-202	1273+00.0			84.8	LT						1				
4464-204	1273+00.0			69.5	LT								1		
4464-206	1274+75.0			69.5	LT								1		
SUBTOTAL INTERSTATE 57						0	0	0	0	0.0	2	2	0	2	0
TOTAL						9	61	68	58	3.5	2	3	1	2	1

LOCATION					CATCH BASINS TO BE CLEANED (EACH) 60255410	CLEANING DRAINAGE SYSTEM (FOOT) Z0010600	BOX CULVERTS TO BE CLEANED (FOOT) Z0005305	
STRUCTURE NUMBER	STATION	STRUCTURE NUMBER	STATION	OFFSET (FOOT)				
INTERSTATE 294								
	366+53.2		365+99.4		LT/RT		208	
	410+66.0			74.8	RT	1		
	410+66.0		410+66.0		RT		6	
	410+66.0		410+00.0		RT		67	
SUBTOTAL INTERSTATE 294						1	73	208
RAMP F2								
	5026+14.3		5026+23.5		RT/LT		295	
SUBTOTAL RAMP F2						0	0	295
TOTAL						1	73	503

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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
DRAINAGE REMOVAL SCHEDULE

SHEET SCH-02
96 OF 606

LOCATION				PROPOSED DRAINAGE STRUCTURE SCHEDULE										
				CATCH BASINS		MANHOLES	DRAINAGE STRUCTURES		DRAINAGE STRUCTURES	SLOPED HEADWALLS			PRECAST REINFORCED CONCRETE	OUTLET CONTROL STRUCTURE TYPE 1
				TYPE A 4' DIAMETER	TYPE C	TYPE A 4' DIAMETER	TYPE 4		TYPE 5	TYPE III 1:3			FLARED END SECTIONS 12"	(CHECK DAM)
ID NUMBER	STATION	OFFSET (FOOT)	TYPE 1 F & O LID (EACH) 60200105	TYPE 20 F & G (EACH) 60208210	TYPE 1 F & C LID (EACH) 60218400	W/1 TYPE 20 F & G (EACH) 60270000	W/2 TYPE 20A F & G (EACH) J1602740	W/1 TYPE 22 F & G (EACH) 60270005	15" (EACH) J1680122	18" (EACH) J1680123	24" (EACH) J1680125	54213657	(EACH) J1602100	
I-294														
#1	366+00.0	126.6	LT										1	
#2	367+40.0	121.4	LT										1	
#3	383+50.0	113.38	LT										1	
200	410+72.0	0	RT				1							
202	410+08.5	85	RT			1								
204	410+00.0	102.5	RT						1					
SUBTOTAL I-294				0	0	1	0	1	0	1	0	0	0	3
RAMP C														
150	3284+26.2	22.0	LT		1									
152	3284+26.2	37.0	LT						1					
154	3285+96.8	29.8	LT	1										
156	3286+26.7	25.7	LT	1										
158	3286+26.7	23.6	RT							1				
160	3279+40.0	22.8	LT					1						
162	3279+30.0	22.8	LT					1						
164	3279+40	37.4	LT									1		
166	3276+90.0	35.8	LT				1							
168	3277+00.0	48.5	LT									1		
SUBTOTAL RAMP C				2	1	0	1	0	2	1	1	0	2	0
RAMP F2														
300	5015+00.0	20.0	LT	1										
302	5015+00.0	25.5	RT								1			
304	5014+51.2	22.9	LT	1										
306	5015+50.0	19.0	LT	1										
SUBTOTAL RAMP F2				3	0	0	0	0	0	0	1	0	0	
TOTAL				5	1	1	1	1	2	2	1	1	2	3

NOTES:

- EXISTING STORM PIPE OUTFALLS AND EXISTING DRAINAGE STRUCTURE INVERT ELEVATIONS WERE NOT VERIFIED DURING DESIGN.
- GRATING SHALL BE PROVIDED FOR HEADWALL TYPE III STRUCTURES. GRATING WILL BE MEASURED FOR PAYMENT SEPARATELY AT THE CONTRACT UNIT PRICE PER POUND. SEE TOLLWAY STANDARD B6-03.
- ALL DRAINAGE STRUCTURES SHALL HAVE A 6" SUB-SURFACE PAVEMENT DRAIN OPENING PRECAST AS SHOWN IN THE ISTHA STANDARDS AND IN THESE PLAN DETAILS.

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

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NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PROPOSED DRAINAGE SCHEDULE

SHEET SCH-03

97 OF 606

PROPOSED DRAINAGE PIPE SCHEDULE									
LOCATION			STORM SEWERS CLASS A, TYPE 1				CLASS A TYPE 2	STORM SEWERS JACKED IN PLACE	TRENCH BACKFILL
ID NUMBER	UPSTREAM STRUCTURE ID NUMBER	DOWNSTREAM STRUCTURE ID NUMBER	12" (FOOT) 550A0050	15" (FOOT) 550A0070	18" (FOOT) 550A0090	24" (FOOT) 550A0120	15" (FOOT) 550A0360	15" (FOOT) 55200400	(CU YD) 20800150
INTERSTATE 294									
201	200	4087-47						80.0	0.0
203	4087-47	202		54.0					9.1
205	202	204		12.0					2.1
SUBTOTAL INTERSTATE 294			0.0	66.0	0.0	0.0	0.0	80.0	11.2
RAMP C									
151	150	152					8.0		8.5
153	154	156		27.5					5.9
155	156	158			71.5				10.3
161	162	160	5.0						0.7
163	160	164	11.0						1.5
165	166	168	8.0						1.1
SUBTOTAL RAMP C			24.0	27.5	71.5	0.0	8.0	0.0	28.0
RAMP F2									
301	300	302				38.0			8.0
303	304	300					46.0		15.2
305	306	300					46.0		14.1
SUBTOTAL RAMP F2			0.0	0.0	0.0	38.0	92.0	0.0	37.3
TOTAL			24	94	72	38	100	80	77

PROPOSED PIPE UNDERDRAIN SCHEDULE									
LOCATION				STONE RIPRAP CLASS A3	FILTER FABRIC	CONCRETE HEADWALL FOR PIPE DRAINS	PIPE UNDERDRAINS (SPECIAL)	PIPE UNDERDRAINS TYPE 2	
BEGIN STATION	END STATION	OFFSET (FOOT)	INVERT	(SO YD) 28100105	(SO YD) 28200200	(EACH) 60100060	6" (FOOT) 60108200	6" (FOOT) 60108206	
RAMP C									
3275+50	3277+50	1.5	RT					179	
3275+30	3276+90	17.5	LT					157	
3277+50	3277+50	1.5	RT	613.27	2	2	1	19	
3276+90	3276+90	17.5	LT	613.22				15	
3277+50	3279+21	1.5	RT					172	
3276+90	3279+40	17.5	LT					249	
3279+21	3279+21	1.5	RT	610.22	2	2	1	25	
3279+46	3279+46	17.5	LT	610.32				2	
3281+74	3284+26	12.5	RT					249	
3284+26	3284+26		LT/RT					29	
3284+26	3285+33	9.5	RT					105	
3285+00	3285+95	20.5	LT					98	
3285+95	3285+97	20.5	LT					8	
3285+31	3285+31	26.0	RT	607.00	2	2	1	11	
3285+33	3285+33	26.0	RT	607.00	2	2	1	11	
3287+50	3285+33	9.5	RT					215	
3287+50	3287+50	9.5	RT	603.5	2	2	1	24	
3288+40	3287+50	9.5	RT					90	
SUBTOTAL RAMP C				10	10	5	144	1,514	
C-D ROAD C									
3248+08	3247+27	13.5	LT					82	
3247+69	3247+24	55	RT					45	
SUBTOTAL C-D ROAD C				0	0	0	0	127	
RAMP F2									
5009+24	5012+00	17.5	LT					276	
5009+52	5012+00	1.5	RT					248	
5012+00	5012+00	17.5	LT	611.86	2	2	1	16	
5012+00	5012+00	1.5	RT	605	2	2	1	36	
5012+00	5014+51	17.5	LT					259	
5012+00	5014+49	1.5	RT					249	
5014+49	5014+49	1.5	RT	603.00	2	2	1	30	
5014+51	5014+51	27.2	LT					2	
5014+53	5014+53	1.5	RT	603.00	2	2	1	30	
5015+00	5014+51	21.5	LT					50	
5015+50	5015+00	20.5	LT					50	
5016+55	5014+53	1.5	RT					152	
5016+55	5016+55	1.5	RT	604.19	2	2	1	26	
5019+00	5016+55	1.5	RT					246	
5019+00	5019+00	1.5	RT	605.71	2	2	1	22	
5021+03	5019+00	1.5	RT					202	
5021+03	5021+03	6.1	RT	606.93	2	2	1	27	
5021+09	5021+09	1.5	RT	606.93	2	2	1	19	
5023+54	5021+09	1.5	RT					245	
5023+54	5023+54	5.5	RT	606.45	2	2	1	28	
5023+59	5023+59	1.5	RT	606.45	2	2	1	21	
5026+00	5023+59	1.5	RT						
SUBTOTAL RAMP F2				20	20	10	255	1,979	
INTERSTATE 57									
1246+60	1247+38	16.2	RT					78	
SUBTOTAL INTERSTATE 57				0	0	0	0	78	
TOTAL				30	30	15	399	3,698	

PROPOSED PIPE UNDERDRAIN SCHEDULE									
LOCATION				PIPE UNDERDRAINS (SPECIAL)	PIPE UNDERDRAINS, FABRIC LINED TRENCH	DOUBLE SLOPED HEADWALL TYPE III, 2'-6", 1:3 (EACH)	DOUBLE SLOPED HEADWALL TYPE III, 2'-6", 1:4 (EACH)		
BEGIN STATION	END STATION	OFFSET (FOOT)	INVERT	6" (FOOT) J1601300	6" (FOOT) J1601320	J1680220	J1680221		
INTERSTATE 294									
364+64	365+70	86.5	LT		105				
365+70	365+70	86.5	LT	603.95			1		
368+25	365+71	86.5	LT		250				
368+25	368+25	86.5	LT	605.58	48		1		
370+30	368+26	86.5	LT		201				
370+30	370+30	86.5	LT	606.18	56		1		
372+30	370+31	86.5	LT		196				
372+30	372+30	86.5	LT	606.78	50		1		
374+50	372+31	86.5	LT		216				
374+50	374+50	86.5	LT	607.45	38		1		
377+07	374+51	86.5	LT		250				
377+08	377+08	87.5	LT	606.95	34	1			
378+72	377+09	89.3	LT		163				
378+73	378+73	89.3	LT	606.48	34	1			
381+23	378+74	89.3	LT		250				
381+23	383+72	89.3	LT		249				
383+73	383+73	92.3	LT	604.98	40	1			
383+74	386+19	92.3	LT		245				
386+20	386+20	92.3	LT	604.5	48	1			
386+21	387+80	95.5	LT		159				
410+66	410+66	71.8	RT		5				
SUBTOTAL INTERSTATE 294				415	2,284	4	5		
TOTAL				415	2,284	4	5		

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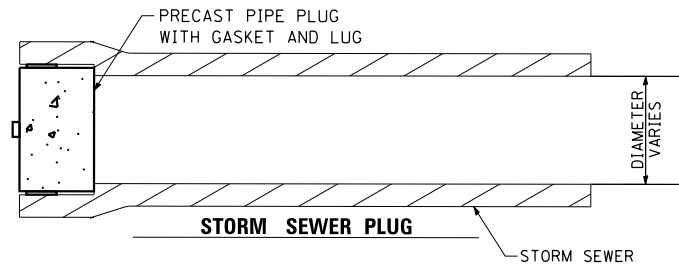
DRAWN BY: JCH	DATE: 3-12-2020	 HRGreen.com Illinois Professional Design Firm # 184-001322	 THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515	REVISIONS NO. DATE DESCRIPTION		CONTRACT I-19-4495 I-57 AT 294 RAMPS C AND F2 PROPOSED DRAINAGE SCHEDULE	SHEET SCH-04 98 OF 606
CHECKED BY: SRB	SCALE: NOT TO SCALE						

EXISTING DRAINAGE GENERAL NOTES

1. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE REQUIRED ADJUSTMENT. FRAMES ON ALL STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATION AND CROSS SLOPE OF THE AREA IN WHICH THEY ARE LOCATED.
2. THE LOCATION OF EXISTING DRAINAGE STRUCTURES AND STORM SEWERS, OR ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS, IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

LEGEND

- ADJ STRUCTURE TO BE ADJUSTED
- R STRUCTURE TO BE REMOVED
- REC STRUCTURE TO BE RECONSTRUCTED
- //// PIPE TO BE REMOVED/ABANDONED WITH CLSM FILL

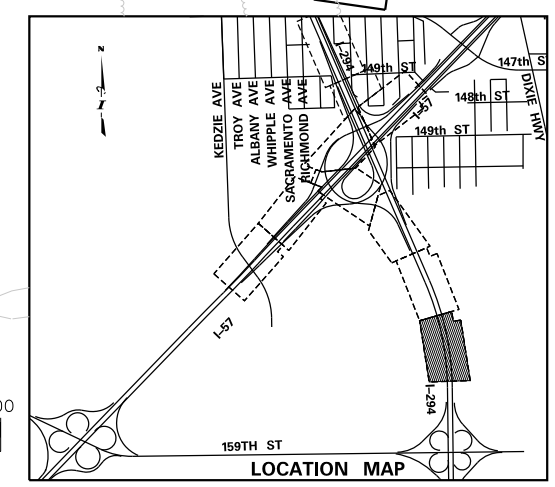
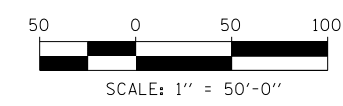
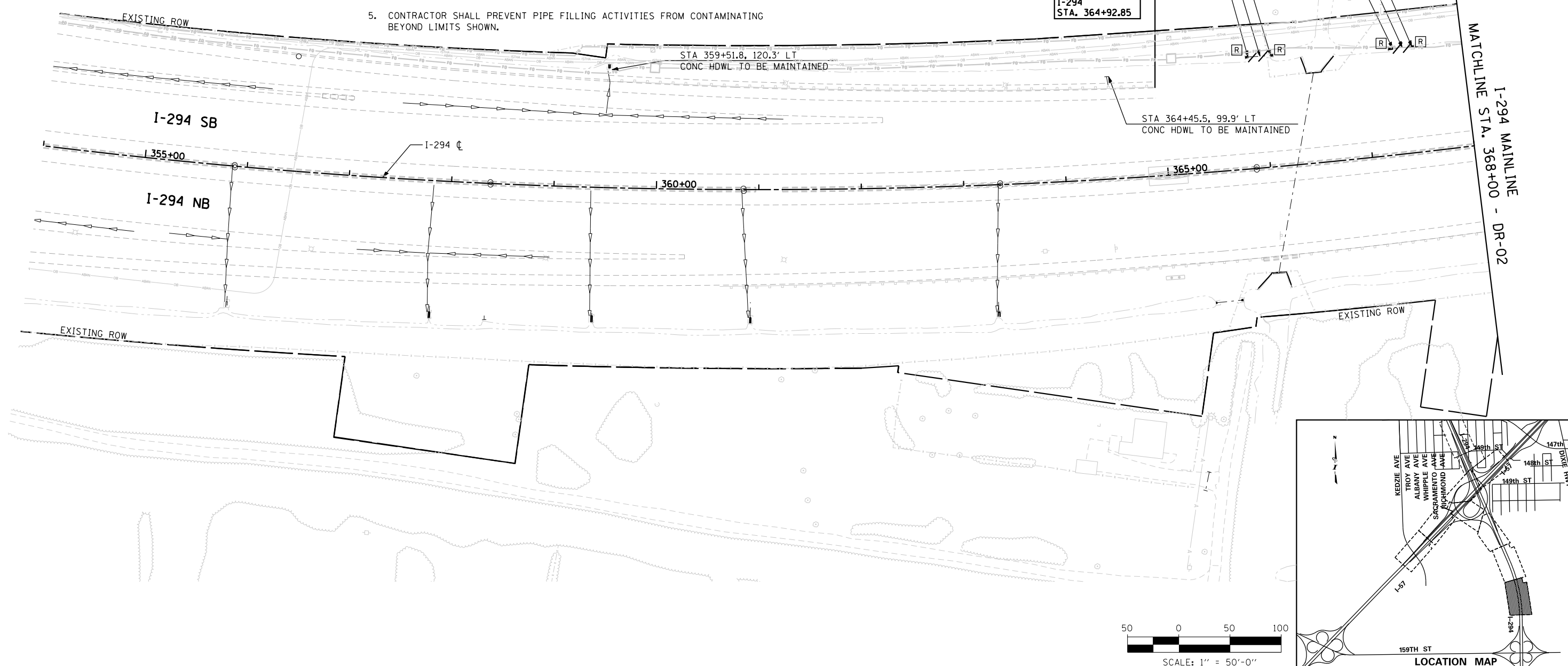


NOTES:

1. THIS WORK SHALL CONSIST OF FURNISHING PLUGS AS SHOWN AND AS DIRECTED BY THE ENGINEER AT LOCATIONS SHOWN IN THE PLANS TO PLUG EXISTING AND/OR PROPOSED STORM SEWER LATERAL STUBS.
2. REMOVAL OF TEMP. STORM SEWER PLUGS (PIPE CAPS) SHALL BE INCLUDED IN THE COST OF THE STORM SEWER REMOVALS AND SHALL NOT BE PAID FOR SEPARATELY.
3. ADJUSTMENT OF MANHOLES CONTAINING RESTRICTOR PLATES AND SINGLE OR DUAL TYPE 1 FRAME, CLOSED LID COVERS SHALL BE PAID FOR AS A SINGLE MANHOLE ADJUSTMENT.
4. REMOVAL OF EXISTING UNDERDRAINS AND HEADWALLS FOR UNDERDRAINS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT COST FOR EARTH EXCAVATION.
5. CONTRACTOR SHALL PREVENT PIPE FILLING ACTIVITIES FROM CONTAMINATING BEYOND LIMITS SHOWN.

REMOVAL NOTES

1. REFER TO BRIDGE PLANS AND/OR ROADWAY REMOVAL SHEETS, SUMMARY OF QUANTITIES AND SCHEDULE OF QUANTITIES FOR ADDITIONAL DRAINAGE REMOVAL ITEMS AFFECTED BY PROJECT CONSTRUCTION.
2. CONTRACTOR SHALL PREVENT PIPE FILLING ACTIVITIES FROM CONTAMINATING BEYOND LIMITS SHOWN.



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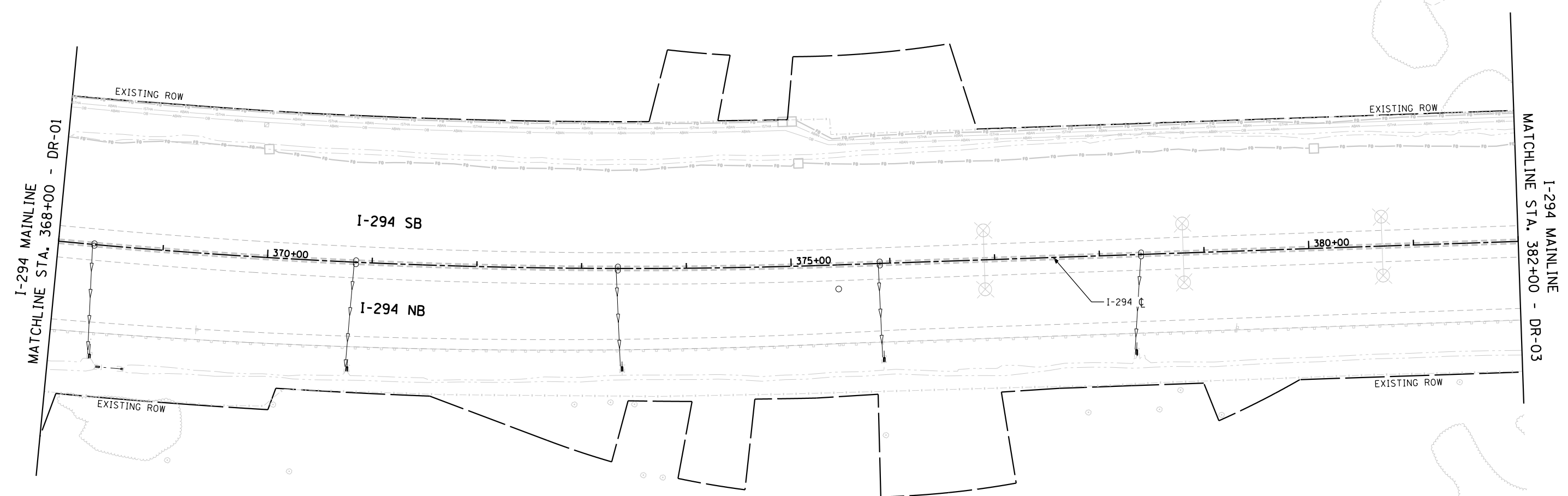

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 2700 OGDEN AVENUE
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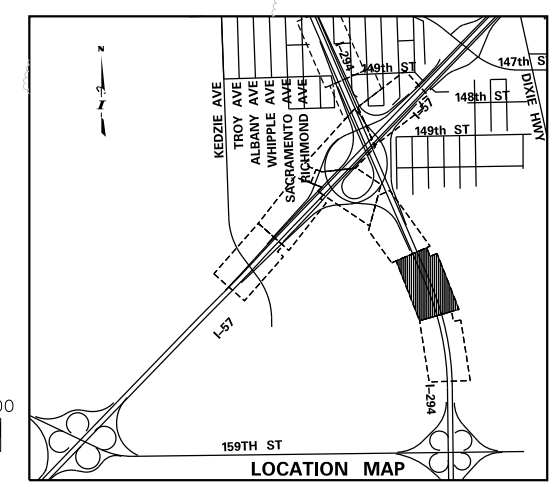
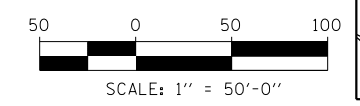
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2 DRAINAGE REMOVAL PLANS
SHEET DR-01
99 OF 606

LEGEND

- AD STRUCTURE TO BE ADJUSTED
- R STRUCTURE TO BE REMOVED
- REC STRUCTURE TO BE RECONSTRUCTED
- //// PIPE TO BE REMOVED/ABANDONED WITH CLSM FILL

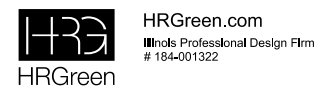


NO DRAINAGE WORK SHOWN ON THIS SHEET



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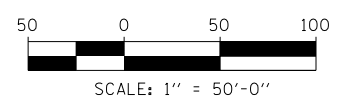
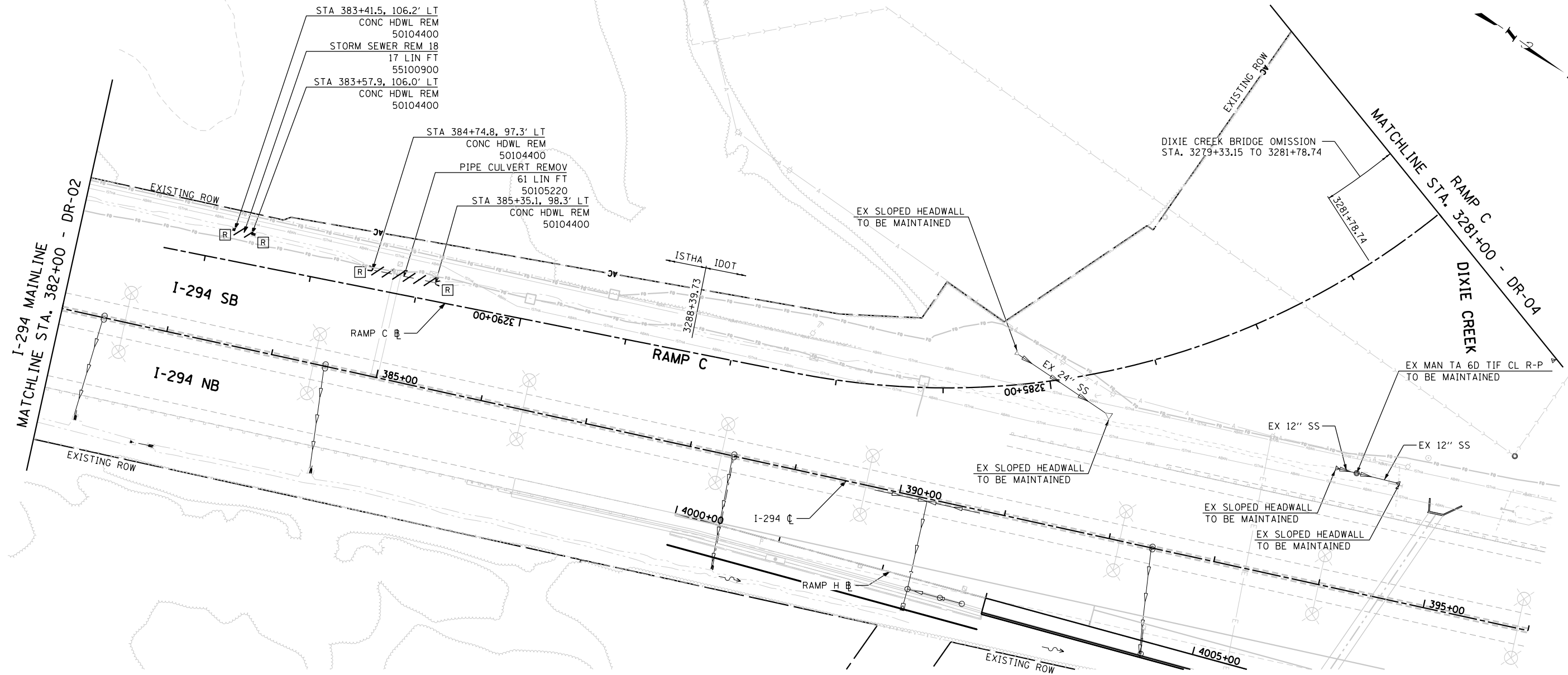
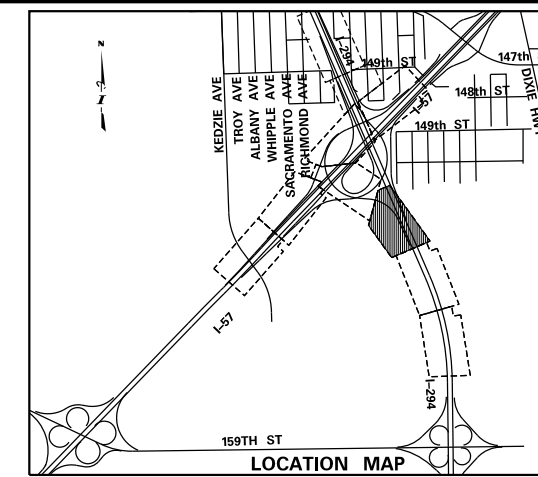
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NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 DRAINAGE REMOVAL PLANS

SHEET DR-02
 100 OF 606

LEGEND

- ADJ STRUCTURE TO BE ADJUSTED
- R STRUCTURE TO BE REMOVED
- REC STRUCTURE TO BE RECONSTRUCTED
- //// PIPE TO BE REMOVED/ABANDONED WITH CLSM FILL



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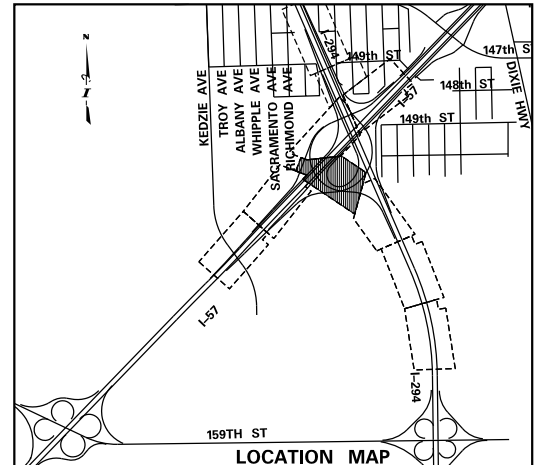
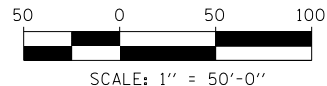
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NO.	DATE	DESCRIPTION

CONTRACT I-19-4495	SHEET DR-03
I-57 AT 294 RAMPS C AND F2 DRAINAGE REMOVAL PLANS	101 OF 606

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- LEGEND**
- AD STRUCTURE TO BE ADJUSTED
 - R STRUCTURE TO BE REMOVED
 - REC STRUCTURE TO BE RECONSTRUCTED
 - PIPE TO BE REMOVED/ABANDONED WITH CLSM FILL

NO DRAINAGE WORK SHOWN ON THIS SHEET



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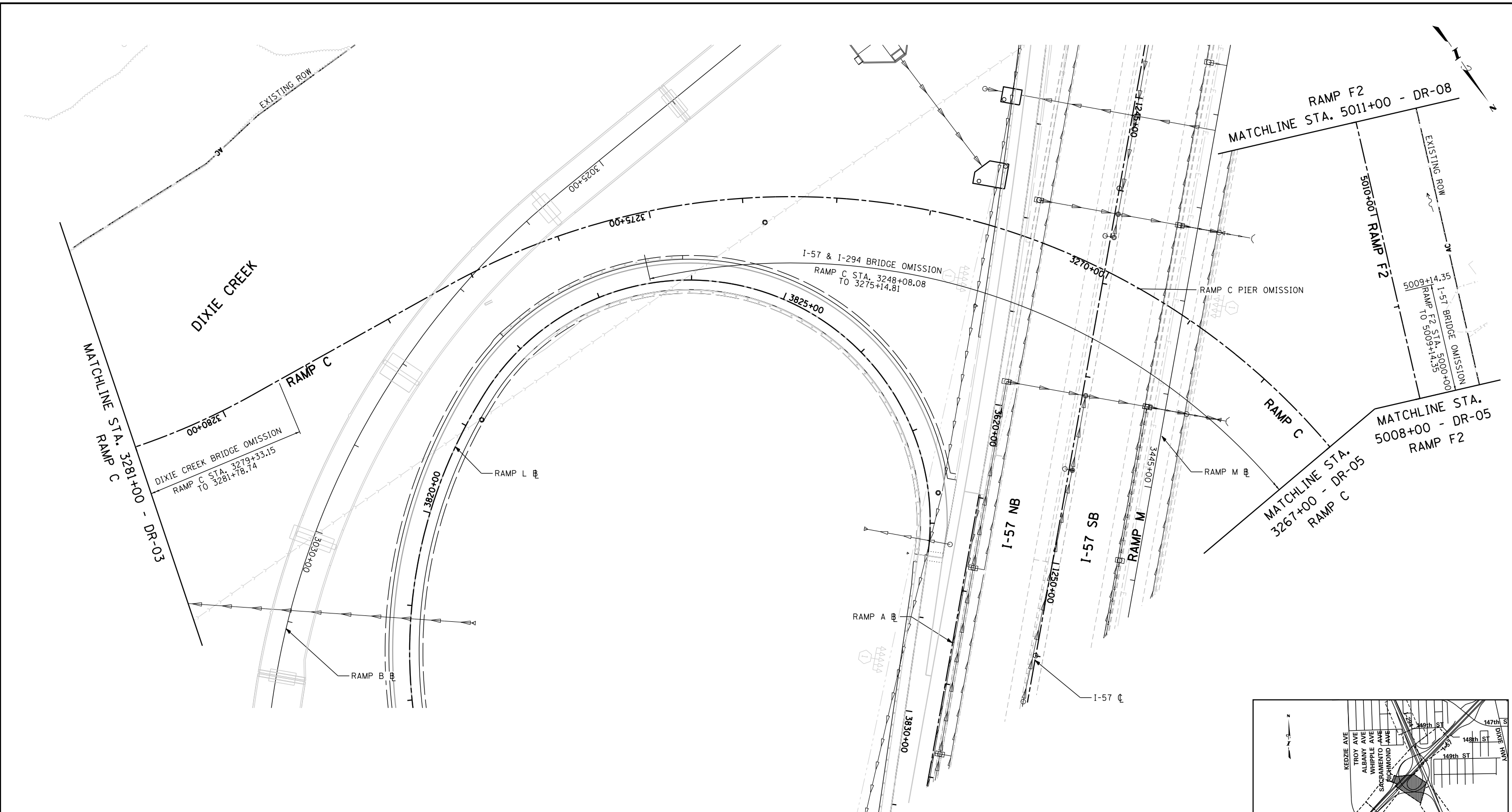
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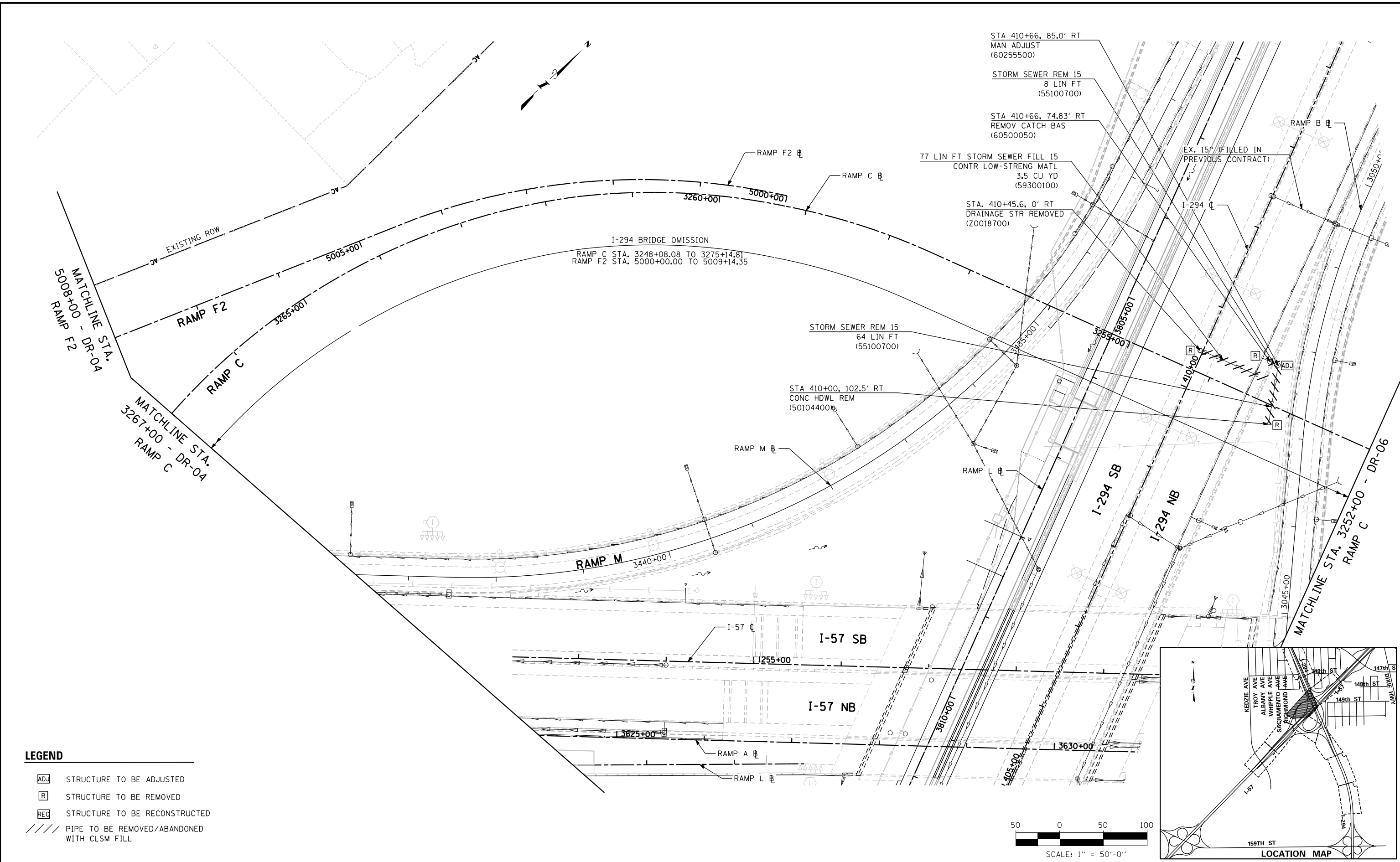
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CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
DRAINAGE REMOVAL PLANS

SHEET **DR-04**
102 OF **606**

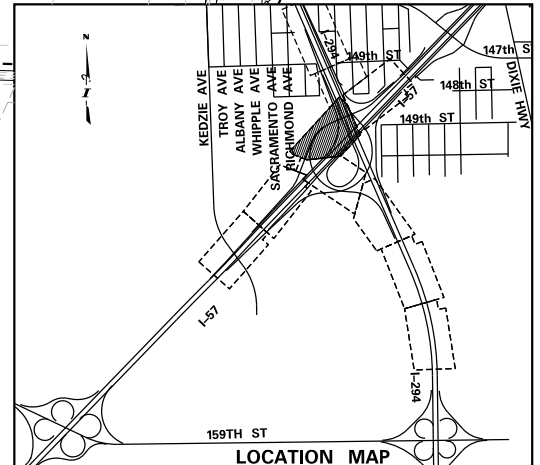
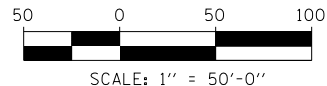


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LEGEND

ADJ	STRUCTURE TO BE ADJUSTED
R	STRUCTURE TO BE REMOVED
REC	STRUCTURE TO BE RECONSTRUCTED
////	PIPE TO BE REMOVED/ABANDONED WITH CLSM FILL



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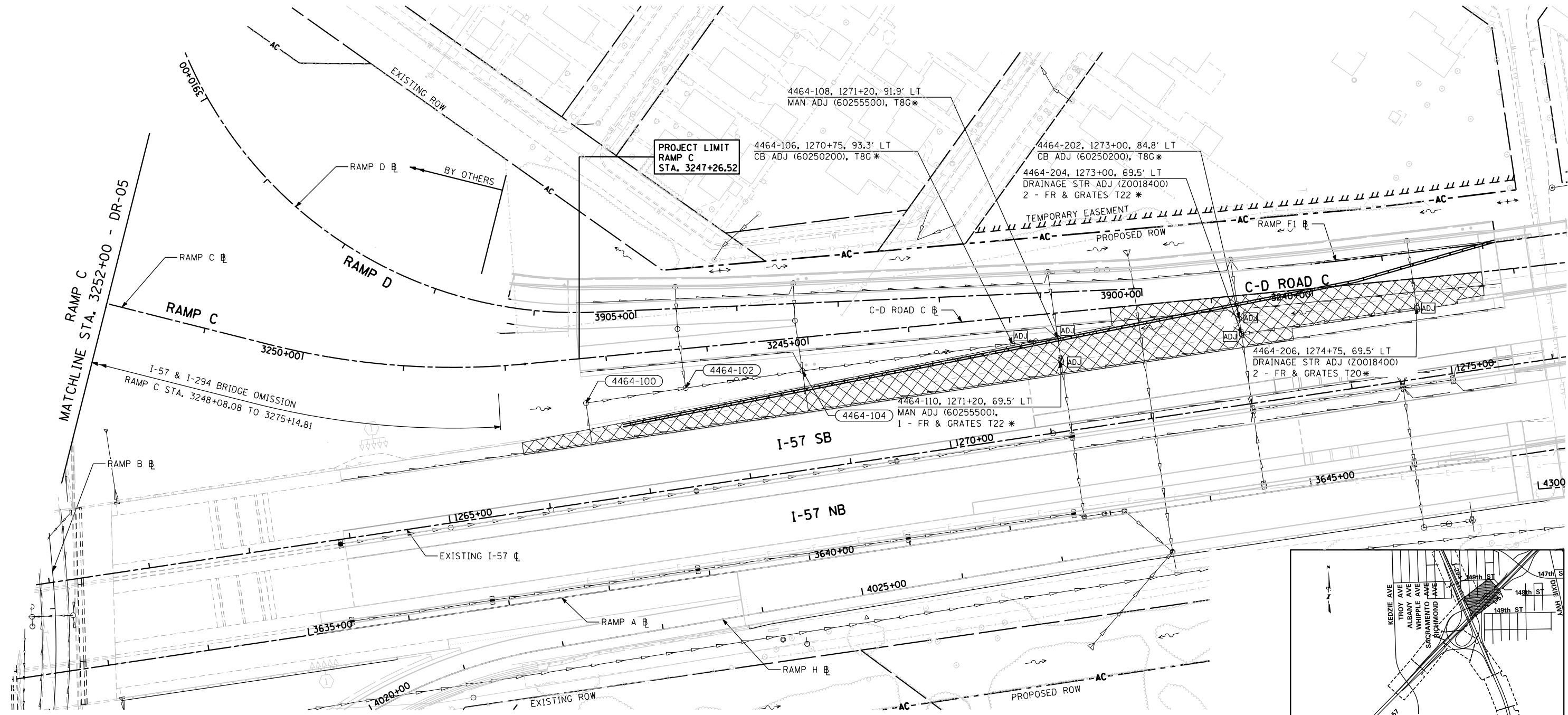
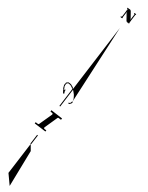
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2 DRAINAGE REMOVAL PLANS
 SHEET **DR-05**
103 OF 606

* NOTE: STRUCTURES 106, 108, 110, 202, 204, AND 206 (ON THIS SHEET), FROM CONTRACT I-19-4464, WERE PAID FOR AS PART OF CONTRACT I-19-4464. THESE STRUCTURES WERE PLATED BELOW GRADE AND THE FRAMES AND GRATES WERE GIVEN TO THE ENGINEER. THE ADJUSTMENT PAY ITEM FOR EACH OF THESE STRUCTURES INCLUDES THE INSTALLATION OF THE FRAMES AND GRATES AT PROPOSED GRADE.

LEGEND

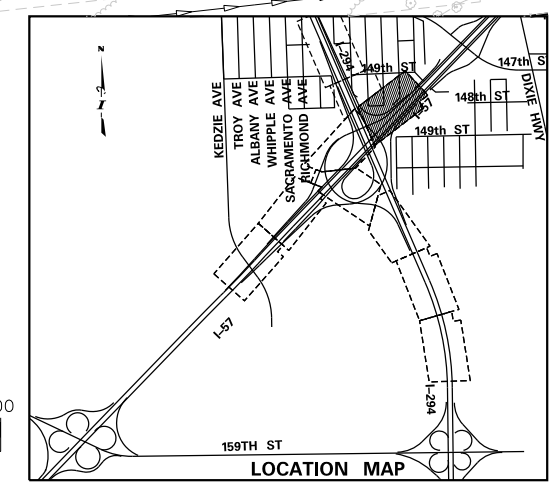
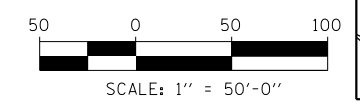
- ADJ STRUCTURE TO BE ADJUSTED
- R STRUCTURE TO BE REMOVED
- REC STRUCTURE TO BE RECONSTRUCTED
- //// PIPE TO BE REMOVED/ABANDONED WITH CLSM FILL



MATCHLINE STA. 3252+00 - DR-05

I-57 & I-294 BRIDGE OMISSION
RAMP C STA. 3248+08.08 TO 3275+14.81

PROJECT LIMIT
RAMP C
STA. 3247+26.52



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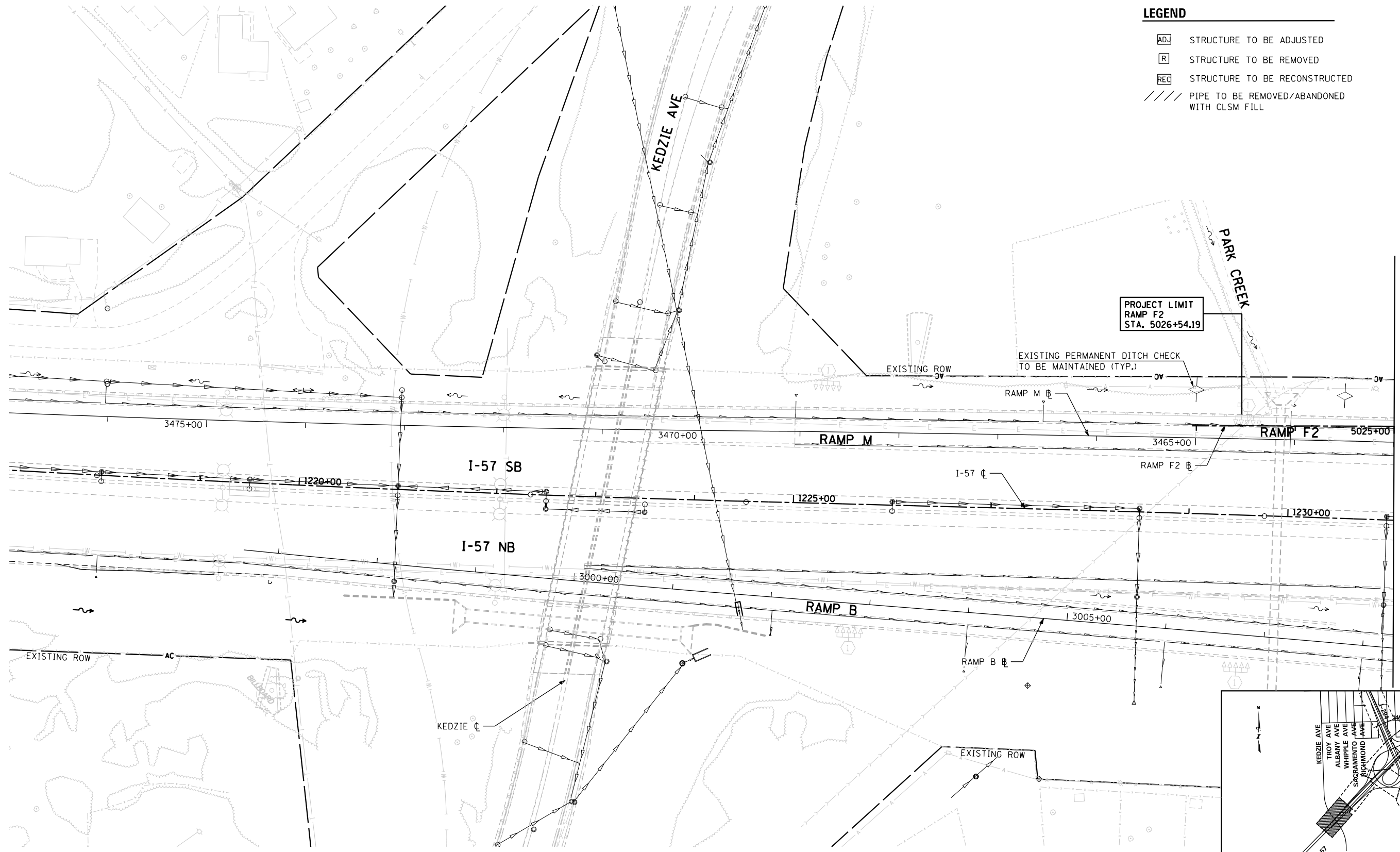
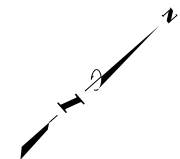
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2 DRAINAGE REMOVAL PLANS

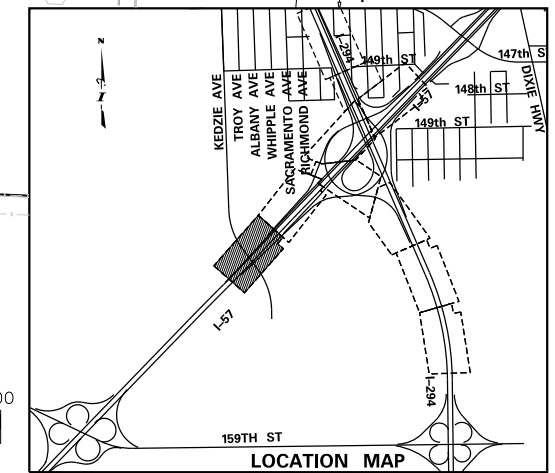
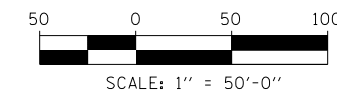
SHEET DR-06
104 OF 606

LEGEND

- ADJ STRUCTURE TO BE ADJUSTED
- R STRUCTURE TO BE REMOVED
- REC STRUCTURE TO BE RECONSTRUCTED
- PIPE TO BE REMOVED/ABANDONED WITH CLSM FILL



NO DRAINAGE WORK SHOWN ON THIS SHEET



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CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2 DRAINAGE REMOVAL PLANS

SHEET **DR-07**
105 OF **606**

LEGEND

- ADJ STRUCTURE TO BE ADJUSTED
- R STRUCTURE TO BE REMOVED
- REC STRUCTURE TO BE RECONSTRUCTED
- //// PIPE TO BE REMOVED/ABANDONED WITH CLSM FILL

CONCRETE HEADWALL FOR PIPE DRAINS TO BE REMOVED INCLUDED IN THE COST OF EARTH EXCAVATION

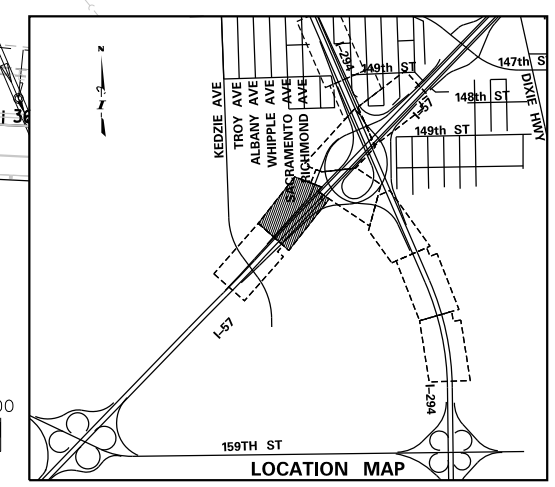
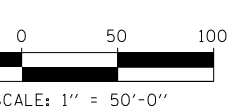
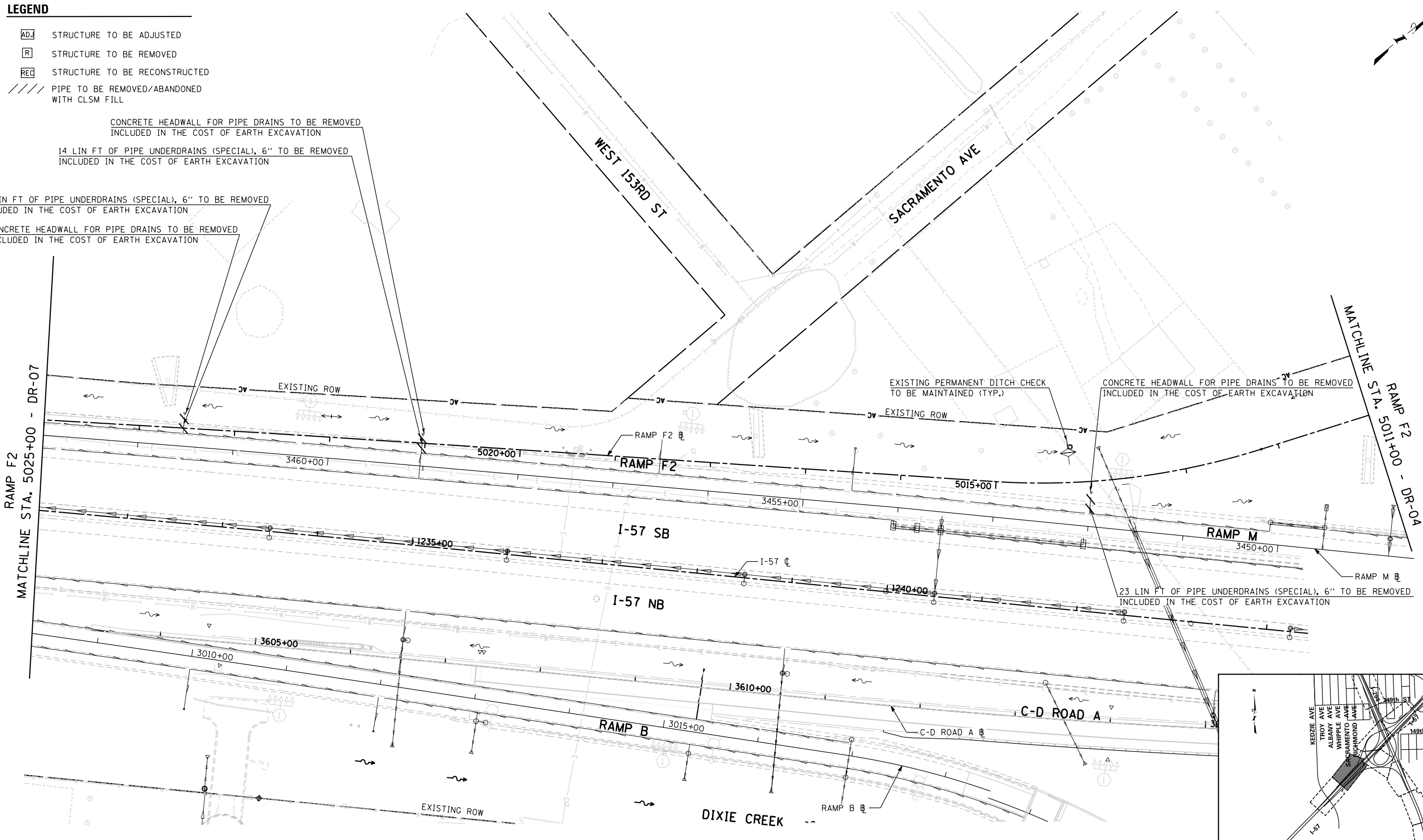
14 LIN FT OF PIPE UNDERDRAINS (SPECIAL), 6" TO BE REMOVED INCLUDED IN THE COST OF EARTH EXCAVATION

22 LIN FT OF PIPE UNDERDRAINS (SPECIAL), 6" TO BE REMOVED INCLUDED IN THE COST OF EARTH EXCAVATION

CONCRETE HEADWALL FOR PIPE DRAINS TO BE REMOVED INCLUDED IN THE COST OF EARTH EXCAVATION

MATCHLINE STA. 5025+00 - DR-07

MATCHLINE STA. 5011+00 - DR-04



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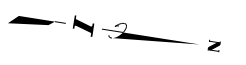
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NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMP C AND F2 DRAINAGE REMOVAL PLANS

SHEET **DR-08**
106 OF **606**

LEGEND

- | | | | |
|--|---------------------------------|--|-----------------------------|
| | EXISTING STORM SEWER | | PROPOSED INLET |
| | PROPOSED DITCH | | PROPOSED CATCH BASIN |
| | PROPOSED DITCH SUMMIT | | PROPOSED MANHOLE |
| | PROPOSED SWALE | | PROPOSED DRAINAGE STRUCTURE |
| | PROPOSED STORM SEWER | | PROPOSED FLARED END SECTION |
| | PROPOSED PIPE UNDERDRAIN | | PROPOSED HEADWALL |
| | STORM PIPE TAG (BY OTHERS) | | PROPOSED STORM SEWER TAG |
| | STORM STRUCTURE TAG (BY OTHERS) | | SHEET NOTES |
| | SLOPED HEADWALL | | PROPOSED STRUCTURE TAG |



PROPOSED DRAINAGE GENERAL NOTES

1. THE CONTRACTOR SHALL COORDINATE THE PROPOSED STORM SEWER CONSTRUCTION WITH ALL OTHER UTILITY ADJUSTMENTS AND INSTALLATIONS AS APPROVED BY THE ENGINEER.
2. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SUCH AS WATER MAINS, SEWERS, GAS LINES, ELECTRIC LINES ETC., AS SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND IS GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. ALL EXISTING UTILITY LOCATIONS, DEPTHS AND SIZES SHALL BE FIELD VERIFIED PRIOR TO ORDERING MATERIALS.
3. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL EXPOSE ANY UTILITIES OR OTHER OBSTRUCTIONS TO BE CROSSED BY THE PROPOSED SEWER, AND SHALL NOTIFY THE ENGINEER IMMEDIATELY IF THERE ARE ANY CONFLICTS WITH THE PROPOSED SEWER GRADE.
4. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.
5. FOR CONNECTION OF EXISTING SEWERS TO PROPOSED DRAINAGE STRUCTURES, A PORTION OF THE EXISTING PIPE SHALL BE CUT AND REMOVED. THE PROPOSED STRUCTURE SHALL BE PROVIDED WITH ADEQUATELY SIZED OPENINGS SUCH THAT THE EXISTING PIPE MAY BE CONNECTED AT ITS EXISTING INVERT ELEVATION. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT CONTRACT PRICE FOR THE PROPOSED DRAINAGE STRUCTURE.
6. DRAINAGE STRUCTURE STATION AND OFF-SET CALLOUTS AND ELEVATIONS ARE FROM THE CORRESPONDING BASE LINE TO THE FOLLOWING:
 - A. THE CENTER OF CONCRETE BARRIER.
 - B. THE CENTER OF THE DRAINAGE STRUCTURE IN THE GORE AREA.
 - C. THE CENTER OF GUTTER WHERE GUTTER IS PRESENT.
 - D. THE FACE OF BARRIER WHEN MOMENT SLAB IS PROPOSED AT RAMPS D & E. (CONTRACTOR SHALL TRANSITION THE BASE GUTTER FLAT AT THE INLET LOCATIONS TO PROVIDE POSITIVE DRAINAGE.)
7. ALL STORM SEWERS, CLASS A SHALL UTILIZE REINFORCED CONCRETE PIPE (RCP) OF THE TYPE AND SIZE SPECIFIED.

UNDERDRAIN NOTES

ALL DRAINAGE STRUCTURES SHALL HAVE 6" SUB-SURFACE PAVEMENT DRAIN OPENINGS BLOCKED OUT (PRECAST) AS SHOWN IN THE STANDARDS AND PLANS FOR UNDERDRAIN CONNECTIONS.

BEGINNING PORTION OF PROPOSED PIPE UNDERDRAIN SHOULD CONNECT TO EXISTING UNDER DRAIN.

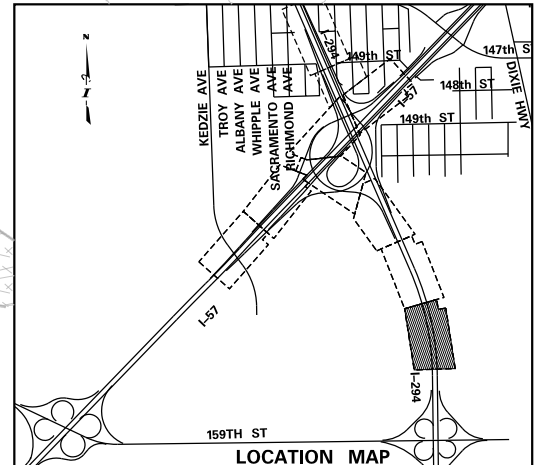
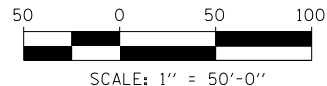
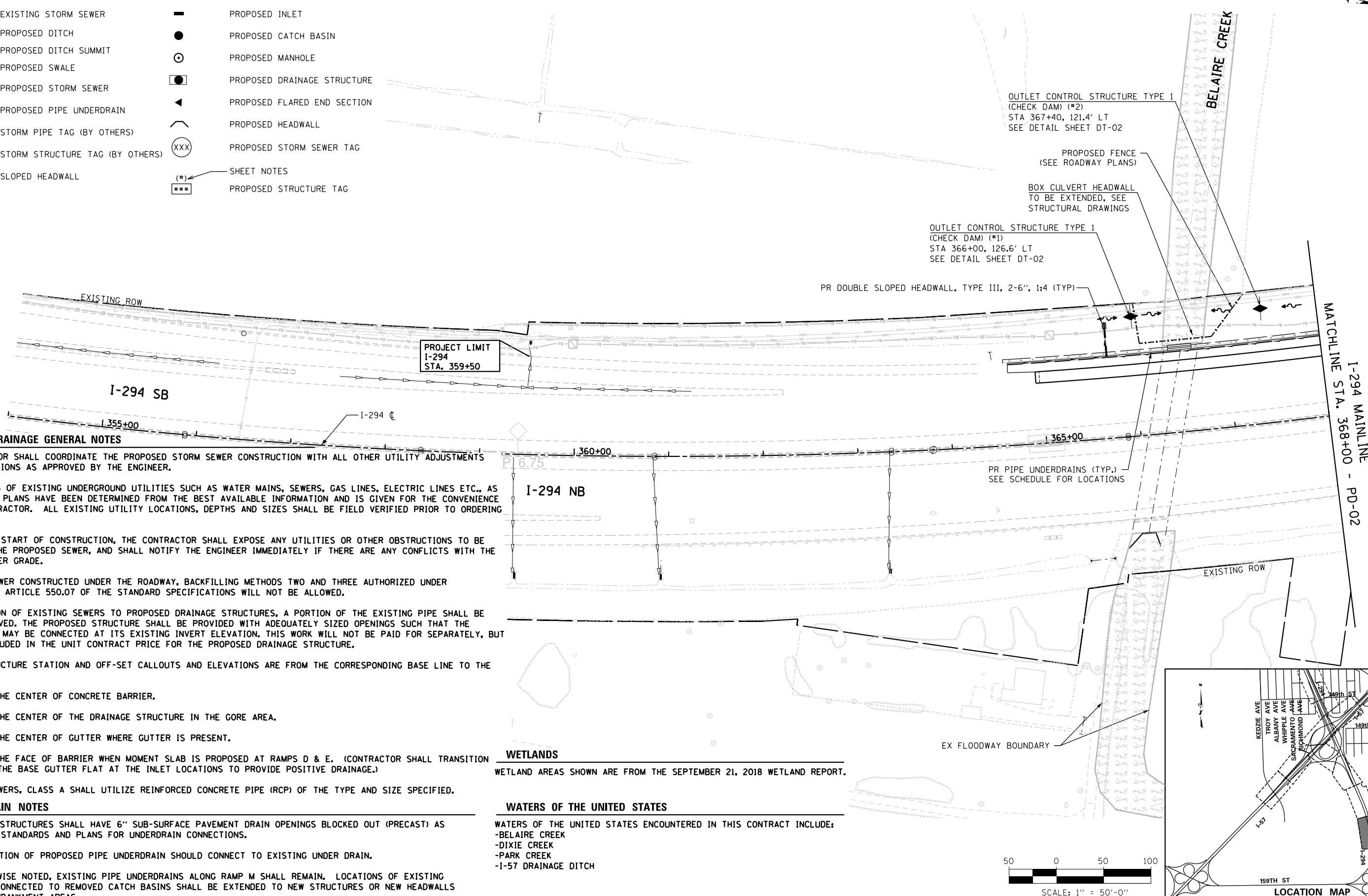
UNLESS OTHERWISE NOTED, EXISTING PIPE UNDERDRAINS ALONG RAMP M SHALL REMAIN. LOCATIONS OF EXISTING UNDERDRAINS CONNECTED TO REMOVED CATCH BASINS SHALL BE EXTENDED TO NEW STRUCTURES OR NEW HEADWALLS LOCATED IN EMBANKMENT AREAS.

WETLANDS

WETLAND AREAS SHOWN ARE FROM THE SEPTEMBER 21, 2018 WETLAND REPORT.

WATERS OF THE UNITED STATES

WATERS OF THE UNITED STATES ENCOUNTERED IN THIS CONTRACT INCLUDE:
 -BELAIRE CREEK
 -DIXIE CREEK
 -PARK CREEK
 -I-57 DRAINAGE DITCH



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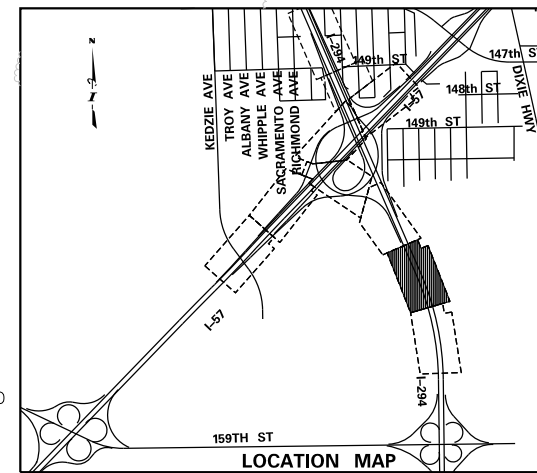
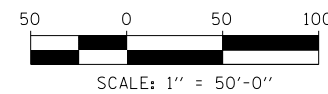
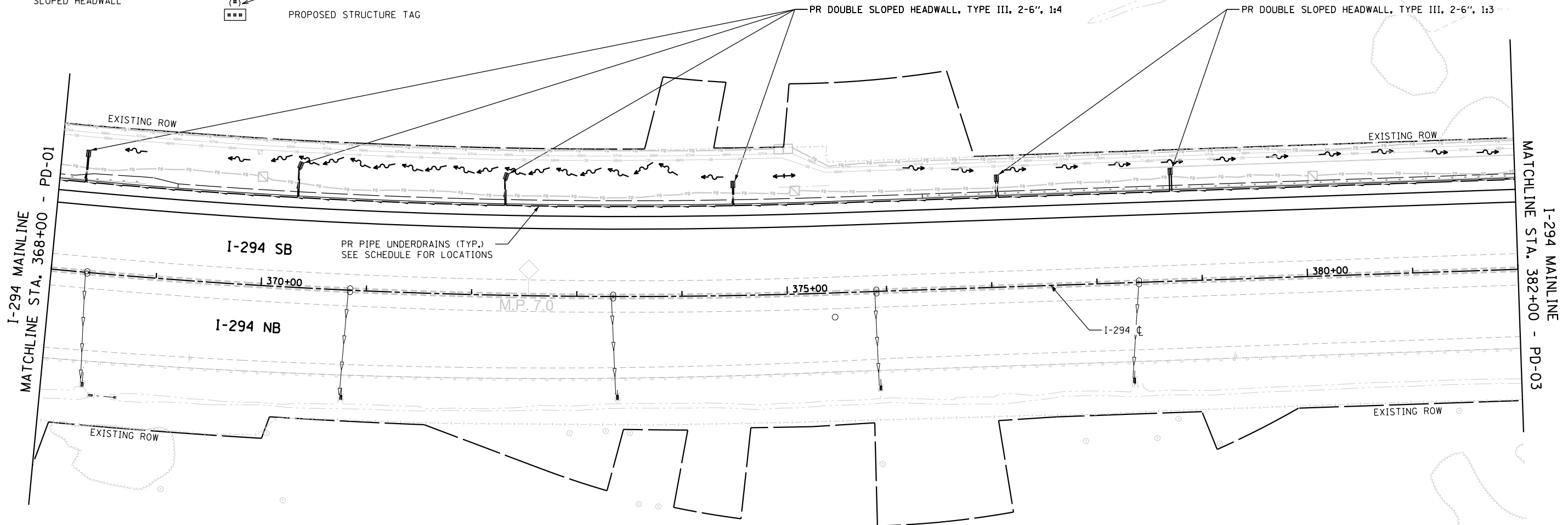
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NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PROPOSED DRAINAGE

SHEET PD-01
107 OF 606

LEGEND

- ▸ — ▸ — ▸ EXISTING STORM SEWER
- ~ — ~ — ~ PROPOSED DITCH
- ↔ — ↔ — ↔ PROPOSED DITCH SUMMIT
- + — + — + PROPOSED SWALE
- ▸ — ▸ — ▸ PROPOSED STORM SEWER
- ▸ — ▸ — ▸ PROPOSED PIPE UNDERDRAIN
- (#) STORM PIPE TAG (BY OTHERS)
- (# - #) STORM STRUCTURE TAG (BY OTHERS)
- ▭ SLOPED HEADWALL
- ▬ PROPOSED INLET
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- ◼ PROPOSED DRAINAGE STRUCTURE
- ◀ PROPOSED FLARED END SECTION
- ∩ PROPOSED HEADWALL
- (XXX) PROPOSED STORM SEWER TAG
- (#) SHEET NOTES
- ▭ PROPOSED STRUCTURE TAG



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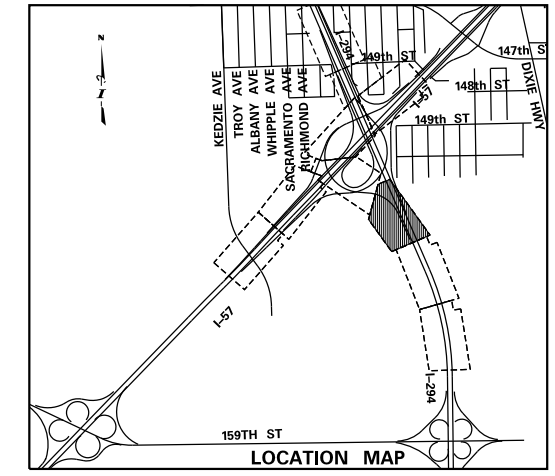
CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2
PROPOSED DRAINAGE

SHEET **PD-02**
108 OF **606**

LEGEND

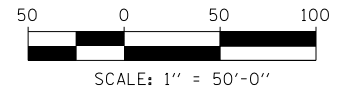
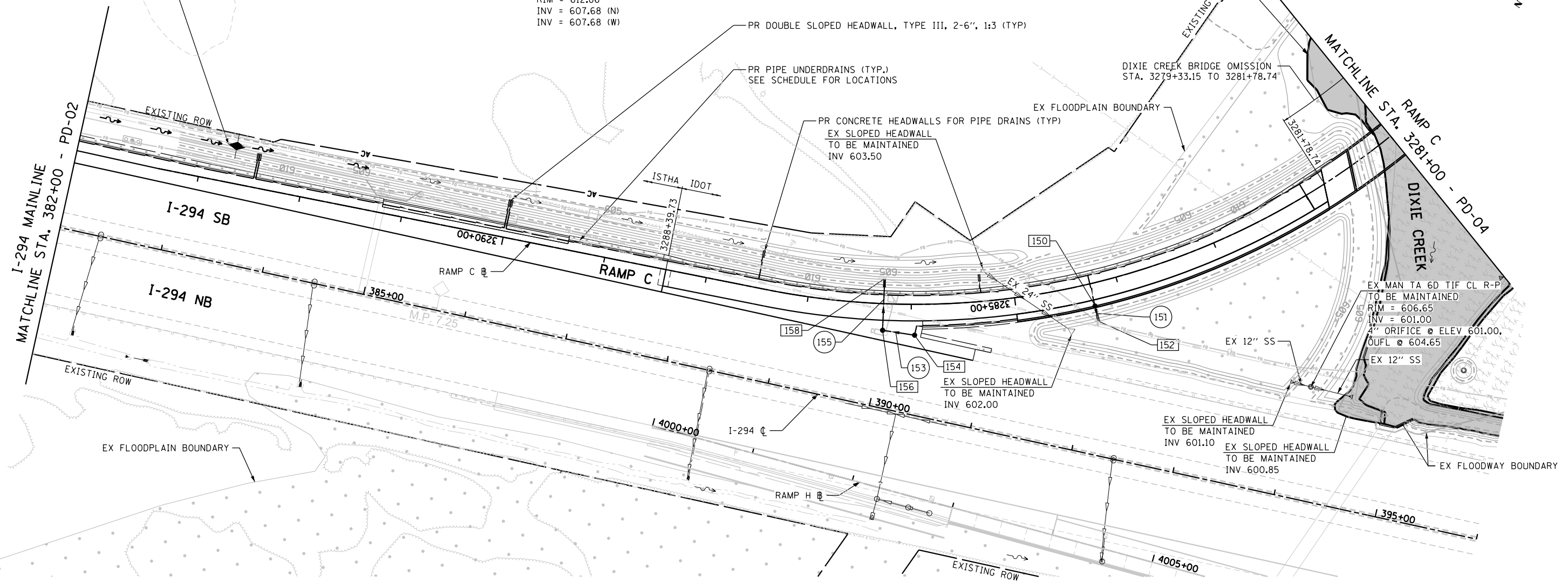
- EXISTING STORM SEWER
- PROPOSED INLET
- PROPOSED CATCH BASIN
- PROPOSED DITCH
- PROPOSED DITCH SUMMIT
- PROPOSED MANHOLE
- PROPOSED SWALE
- PROPOSED DRAINAGE STRUCTURE
- PROPOSED STORM SEWER
- PROPOSED FLARED END SECTION
- PROPOSED PIPE UNDERDRAIN
- PROPOSED HEADWALL
- STORM PIPE TAG (BY OTHERS)
- PROPOSED STORM SEWER TAG
- STORM STRUCTURE TAG (BY OTHERS)
- SHEET NOTES
- PROPOSED STRUCTURE TAG
- SLOPED HEADWALL

- [150] STA 3284+26.2, 22' LT
CB TC T20F&G
RIM = 613.05
INV = 602.03
- [151] 8 LIN FT SS-CL-A2
15" @ 0.38%
- [152] STA 3284+26.2, 37' LT
SLP HDWL T-III 15", 1:3
INV = 602.00
- [153] 27.5 LIN FT SS-CL-A1
15" @ 0.33%
- [154] STA 3285+96.8, 29.8' LT
CB TA 4 DIA TIFOL
RIM = 612.50
INV = 607.77
- [155] 72 LIN FT SS-CL-A1
18" @ 0.26%
- [156] STA 3286+26.7, 25.7' LT
CB TA 4 DIA TIFOL
RIM = 612.86
INV = 607.68 (N)
INV = 607.68 (W)
- [158] STA 3286+26.7, 23.6' RT
SLP HDWL T-III 18", 1:3
INV = 607.49



OUTLET CONTROL STRUCTURE TYPE 1
(CHECK DAM) (#3)
STA 383+50, 113.38' LT
SEE DETAIL SHEET DT-02

WETLAND SITE 1
TOTAL SIZE = 2.07 AC
TEMPORARY IMPACT = 0.050 AC
PERMANENT IMPACT = 0.033 AC



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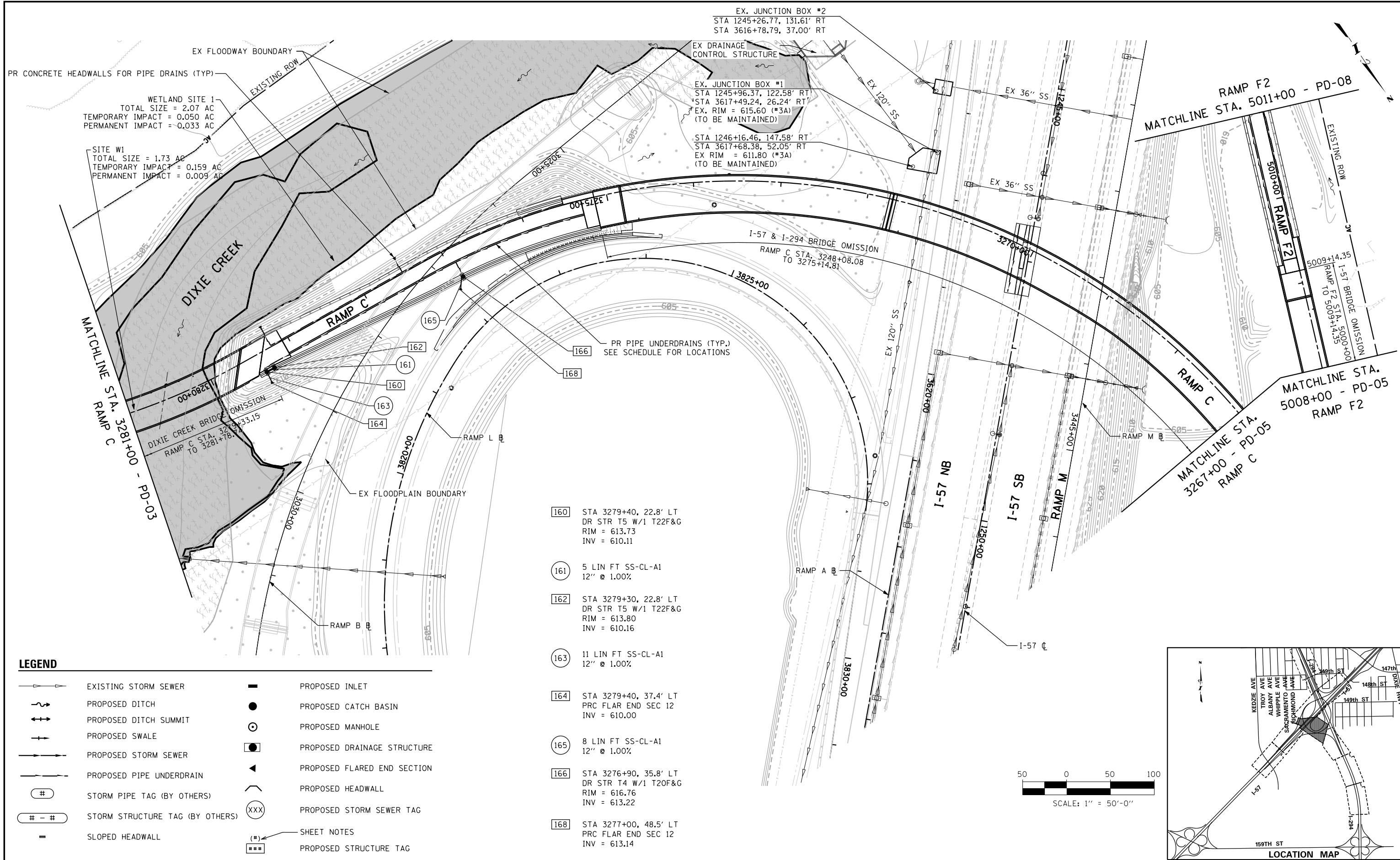

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CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PROPOSED DRAINAGE

SHEET **PD-03**
109 OF **606**



EX FLOODWAY BOUNDARY
PR CONCRETE HEADWALLS FOR PIPE DRAINS (TYP)
EXISTING ROW
WETLAND SITE 1
TOTAL SIZE = 2.07 AC
TEMPORARY IMPACT = 0.050 AC
PERMANENT IMPACT = 0.033 AC
SITE W1
TOTAL SIZE = 1.73 AC
TEMPORARY IMPACT = 0.159 AC
PERMANENT IMPACT = 0.009 AC

EX. JUNCTION BOX #2
STA 1245+26.77, 131.61' RT
STA 3616+78.79, 37.00' RT
EX DRAINAGE CONTROL STRUCTURE
EX. JUNCTION BOX #1
STA 1245+96.37, 122.58' RT
STA 3617+49.24, 26.24' RT
EX. RIM = 615.60 (*3A)
(TO BE MAINTAINED)
STA 1246+16.46, 147.58' RT
STA 3617+68.38, 52.05' RT
EX RIM = 611.80 (*3A)
(TO BE MAINTAINED)

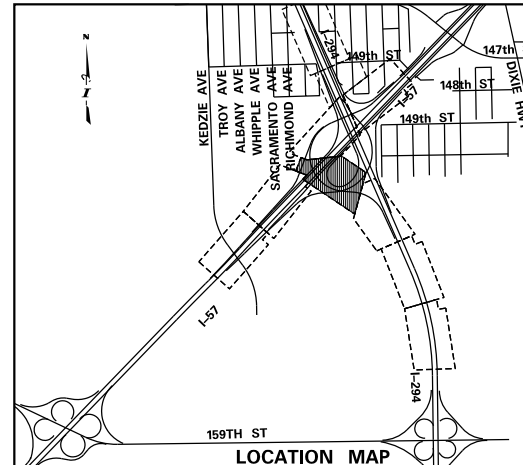
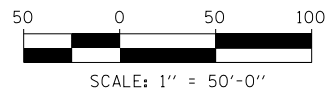
RAMP F2
MATCHLINE STA. 5011+00 - PD-08
EXISTING ROW
5010+00
RAMP F2
5009+14.35
I-57 BRIDGE OMISSION
RAMP F2 STA. 5000+00
TO 5009+14.35

MATCHLINE STA. 5008+00 - PD-05
RAMP F2
MATCHLINE STA. 3267+00 - PD-05
RAMP C

- 160 STA 3279+40, 22.8' LT
DR STR T5 W/1 T22F&G
RIM = 613.73
INV = 610.11
- 161 5 LIN FT SS-CL-A1
12" @ 1.00%
- 162 STA 3279+30, 22.8' LT
DR STR T5 W/1 T22F&G
RIM = 613.80
INV = 610.16
- 163 11 LIN FT SS-CL-A1
12" @ 1.00%
- 164 STA 3279+40, 37.4' LT
PRC FLAR END SEC 12
INV = 610.00
- 165 8 LIN FT SS-CL-A1
12" @ 1.00%
- 166 STA 3276+90, 35.8' LT
DR STR T4 W/1 T20F&G
RIM = 616.76
INV = 613.22
- 168 STA 3277+00, 48.5' LT
PRC FLAR END SEC 12
INV = 613.14

LEGEND

- EXISTING STORM SEWER
- PROPOSED DITCH
- PROPOSED DITCH SUMMIT
- PROPOSED SWALE
- PROPOSED STORM SEWER
- PROPOSED PIPE UNDERDRAIN
- STORM PIPE TAG (BY OTHERS)
- STORM STRUCTURE TAG (BY OTHERS)
- SLOPED HEADWALL
- PROPOSED INLET
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- PROPOSED DRAINAGE STRUCTURE
- PROPOSED FLARED END SECTION
- PROPOSED HEADWALL
- PROPOSED STORM SEWER TAG
- SHEET NOTES
- PROPOSED STRUCTURE TAG



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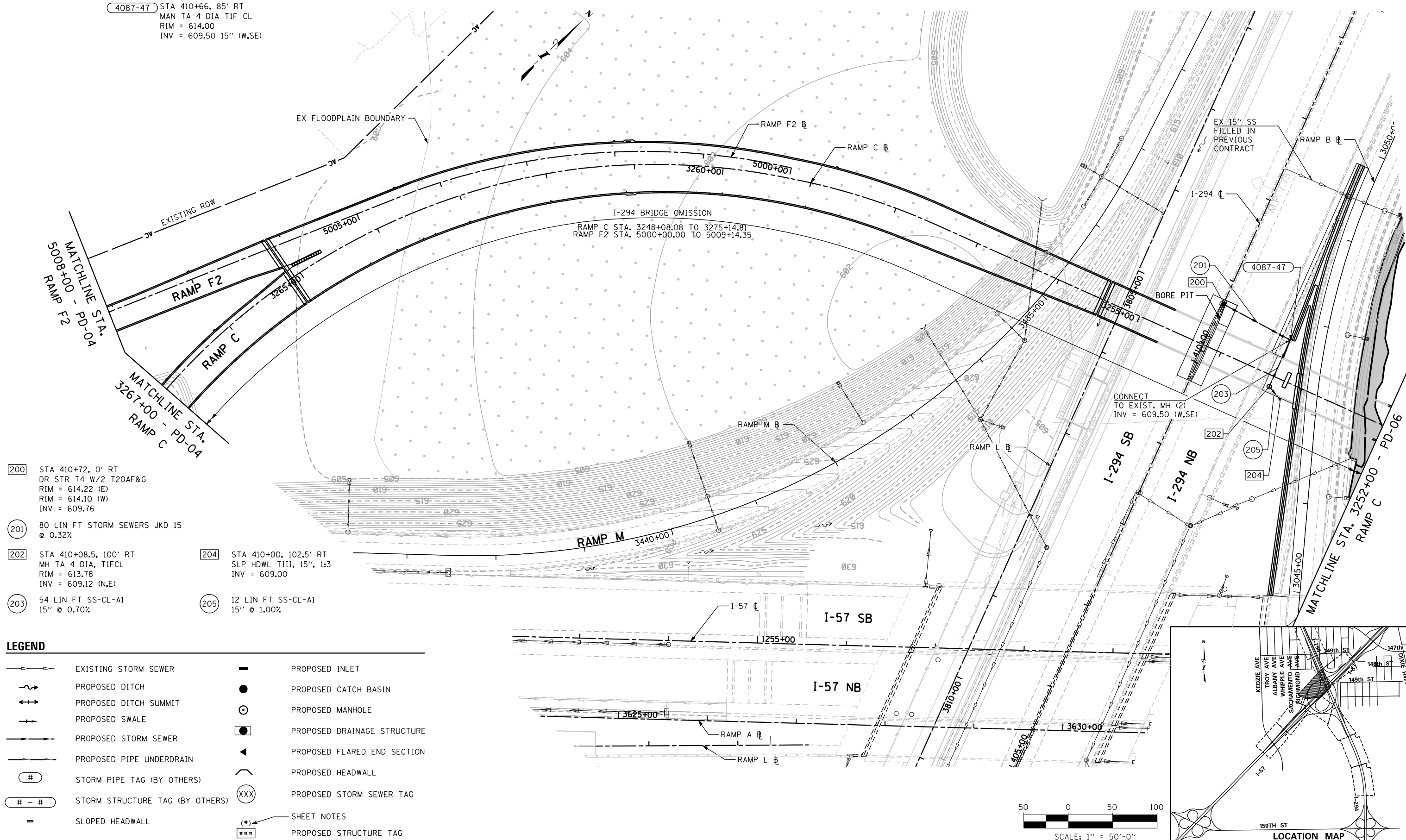
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CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PROPOSED DRAINAGE
SHEET PD-04
110 OF 606

CONTRACT I-12-4087 EXISTING STORM SEWER TAGS

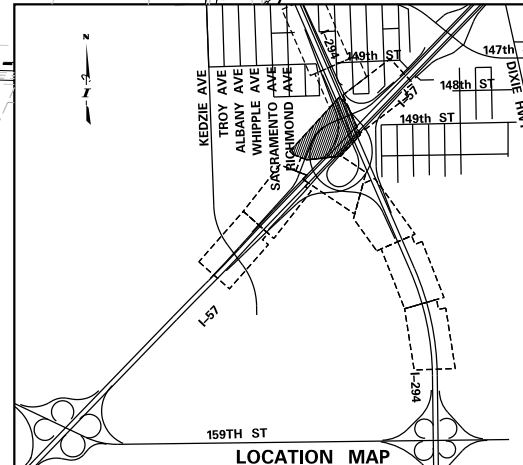
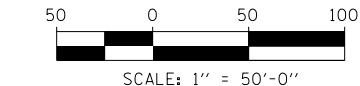
4087-47 STA 410+66, 85' RT
MAN TA 4 DIA T1F CL
RIM = 614.00
INV = 609.50 15" (W,SE)



- 200 STA 410+72, 0' RT
DR STR T4 W/2 T20AF&G
RIM = 614.22 (E)
RIM = 614.10 (W)
INV = 609.76
- 201 80 LIN FT STORM SEWERS JKD 15
@ 0.32%
- 202 STA 410+08.5, 100' RT
MH TA 4 DIA, T1FCL
RIM = 613.78
INV = 609.12 (N,E)
- 203 54 LIN FT SS-CL-A1
15" @ 0.70%
- 204 STA 410+00, 102.5' RT
SLP HDWL T111, 15", 1:3
INV = 609.00
- 205 12 LIN FT SS-CL-A1
15" @ 1.00%

LEGEND

	EXISTING STORM SEWER		PROPOSED INLET
	PROPOSED DITCH		PROPOSED CATCH BASIN
	PROPOSED DITCH SUMMIT		PROPOSED MANHOLE
	PROPOSED SWALE		PROPOSED DRAINAGE STRUCTURE
	PROPOSED STORM SEWER		PROPOSED FLARED END SECTION
	PROPOSED PIPE UNDERDRAIN		PROPOSED HEADWALL
	STORM PIPE TAG (BY OTHERS)		PROPOSED STORM SEWER TAG
	STORM STRUCTURE TAG (BY OTHERS)		SHEET NOTES
	SLOPED HEADWALL		PROPOSED STRUCTURE TAG



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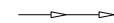


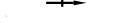


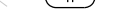
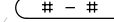
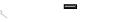









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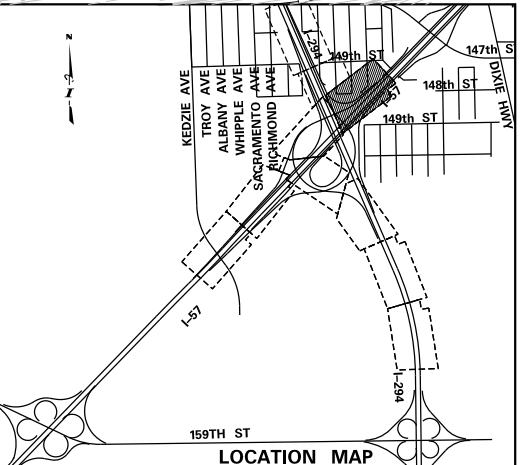
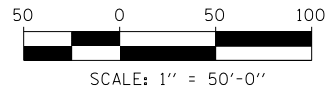
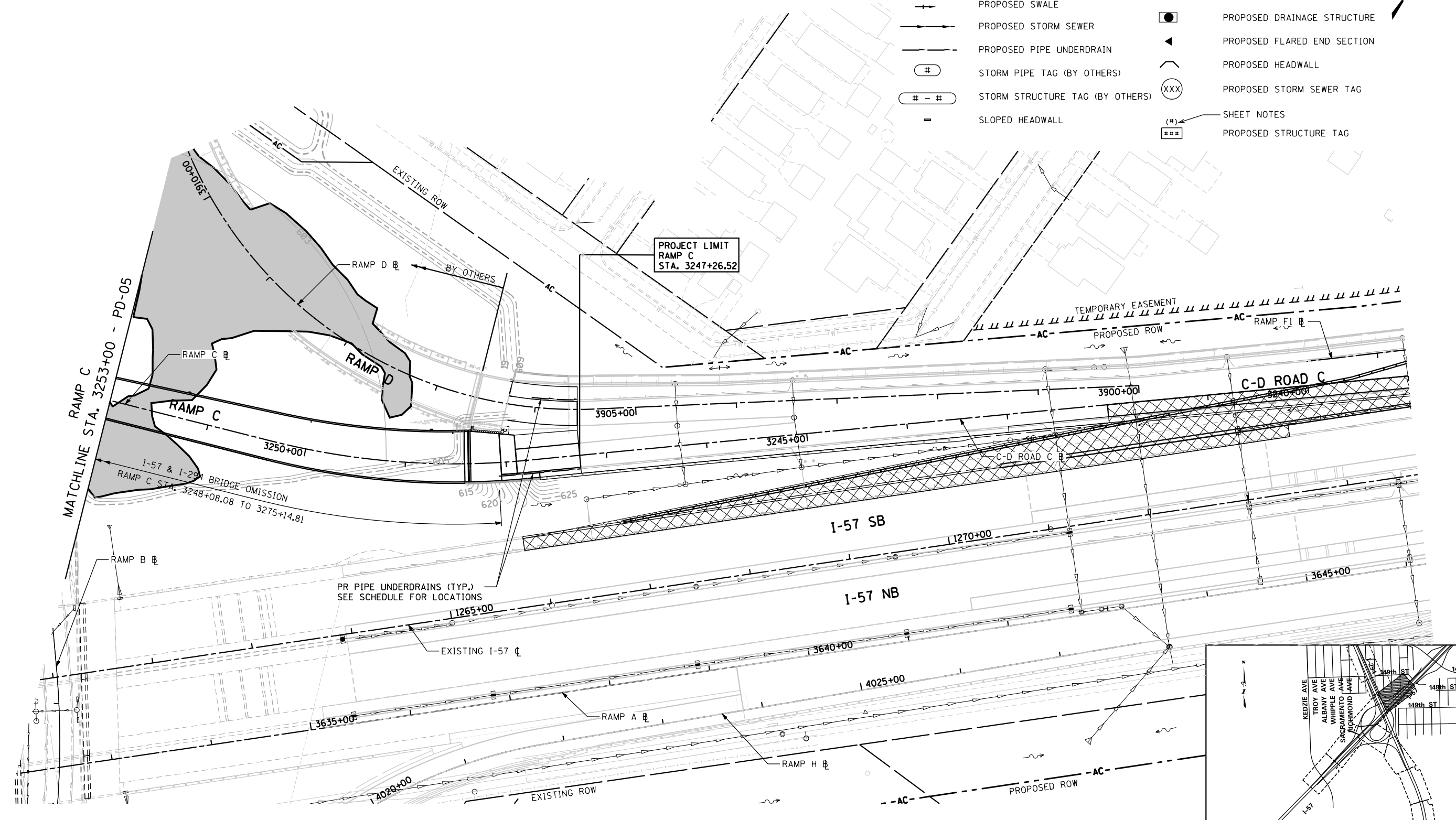
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CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PROPOSED DRAINAGE

SHEET **PD-05**
111 OF **606**

LEGEND

-  EXISTING STORM SEWER
-  PROPOSED DITCH
-  PROPOSED DITCH SUMMIT
-  PROPOSED SWALE
-  PROPOSED STORM SEWER
-  PROPOSED PIPE UNDERDRAIN
-  STORM PIPE TAG (BY OTHERS)
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-  PROPOSED FLARED END SECTION
-  PROPOSED HEADWALL
-  PROPOSED STORM SEWER TAG
-  SHEET NOTES
-  PROPOSED STRUCTURE TAG



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 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

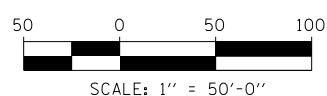
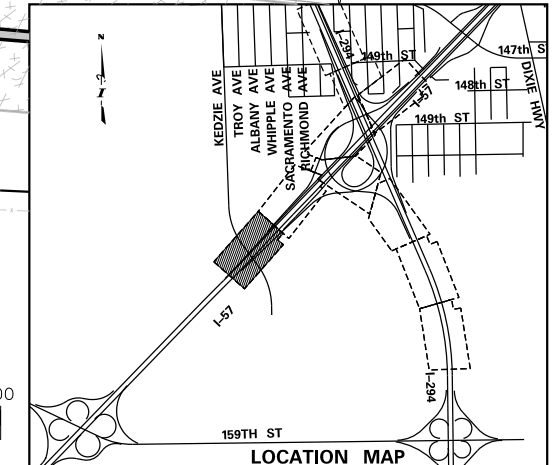
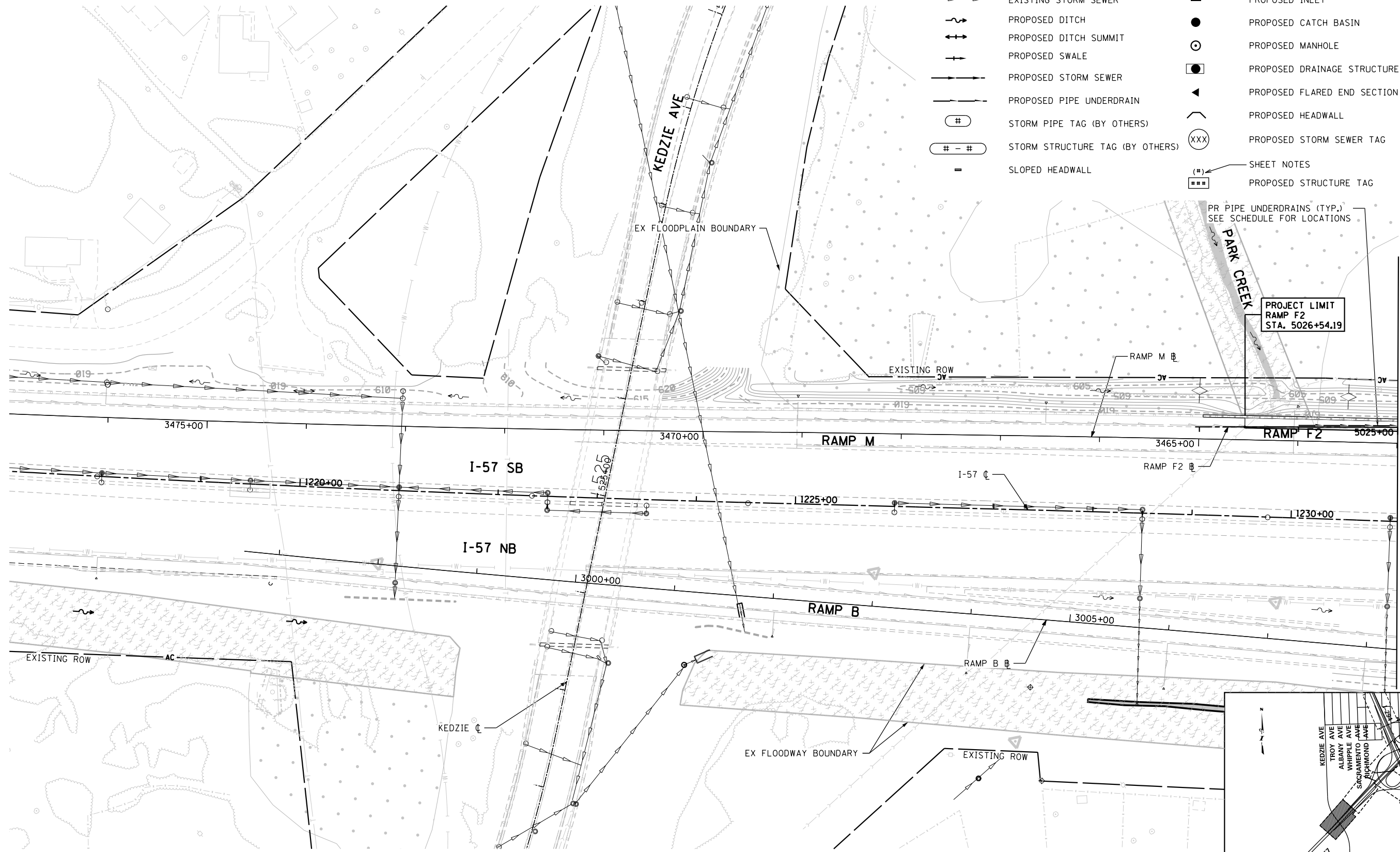
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2
PROPOSED DRAINAGE

SHEET **PD-06**
112 OF **606**

LEGEND

- EXISTING STORM SEWER
- PROPOSED DITCH
- PROPOSED DITCH SUMMIT
- PROPOSED SWALE
- PROPOSED STORM SEWER
- PROPOSED PIPE UNDERDRAIN
- STORM PIPE TAG (BY OTHERS)
- STORM STRUCTURE TAG (BY OTHERS)
- SLOPED HEADWALL
- PROPOSED INLET
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- PROPOSED DRAINAGE STRUCTURE
- PROPOSED FLARED END SECTION
- PROPOSED HEADWALL
- PROPOSED STORM SEWER TAG
- SHEET NOTES
- PROPOSED STRUCTURE TAG



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 SCALE **1:50**

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
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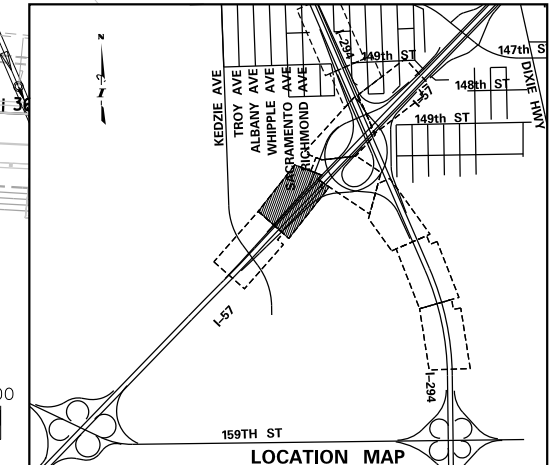
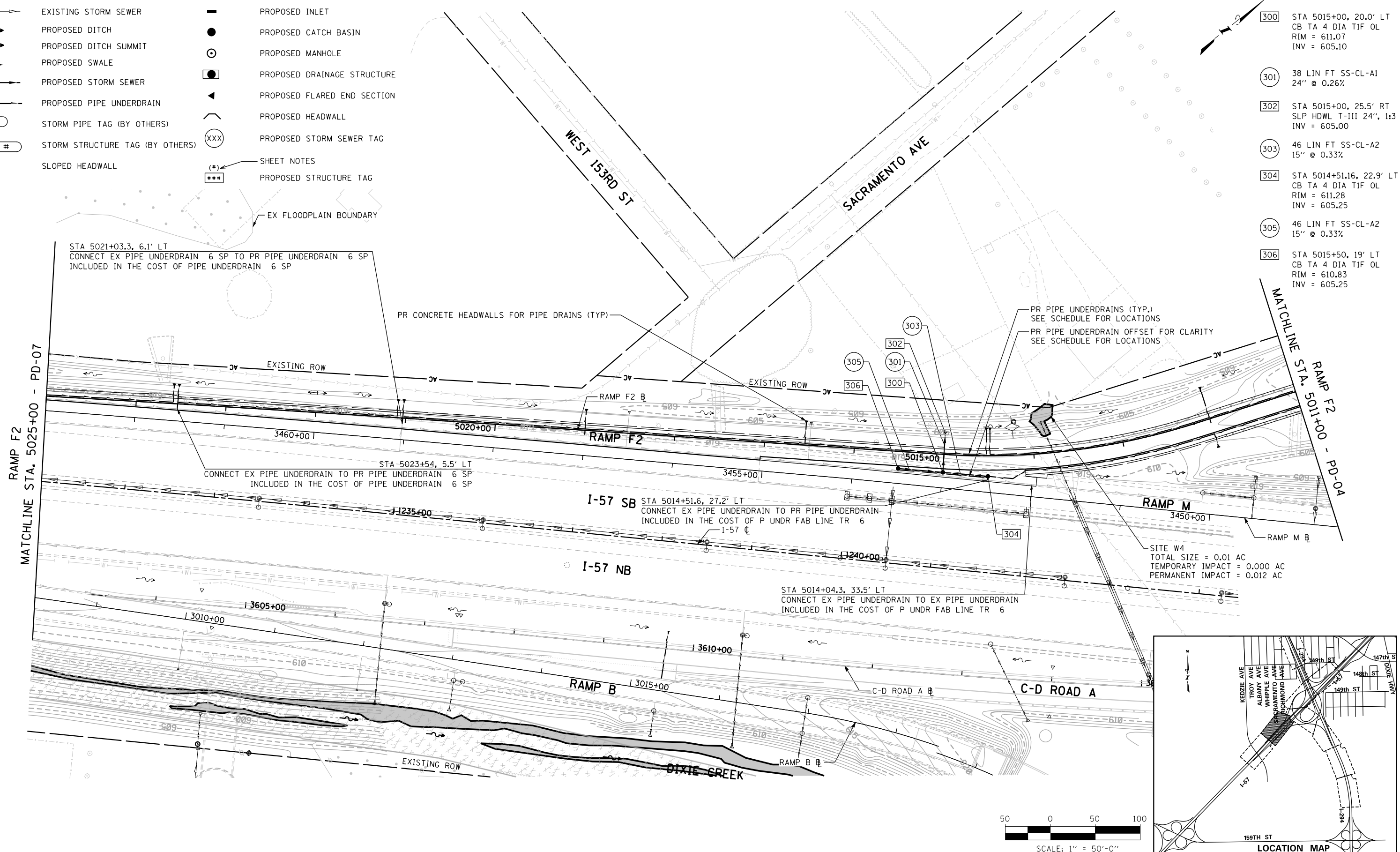
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PROPOSED DRAINAGE

SHEET **PD-07**
113 OF **606**

LEGEND

- ▲— EXISTING STORM SEWER
- ~— PROPOSED DITCH
- +— PROPOSED DITCH SUMMIT
- +— PROPOSED SWALE
- +— PROPOSED STORM SEWER
- +— PROPOSED PIPE UNDERDRAIN
- (#) STORM PIPE TAG (BY OTHERS)
- (#-#) STORM STRUCTURE TAG (BY OTHERS)
- SLOPED HEADWALL
- PROPOSED INLET
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- ◐ PROPOSED DRAINAGE STRUCTURE
- ◑ PROPOSED FLARED END SECTION
- ◒ PROPOSED HEADWALL
- (XXX) PROPOSED STORM SEWER TAG
- (#) SHEET NOTES
- (##) PROPOSED STRUCTURE TAG

- 300 STA 5015+00, 20.0' LT
CB TA 4 DIA TIF OL
RIM = 611.07
INV = 605.10
- 301 38 LIN FT SS-CL-A1
24" @ 0.26%
- 302 STA 5015+00, 25.5' RT
SLP HDWL T-III 24", 1:3
INV = 605.00
- 303 46 LIN FT SS-CL-A2
15" @ 0.33%
- 304 STA 5014+51.16, 22.9' LT
CB TA 4 DIA TIF OL
RIM = 611.28
INV = 605.25
- 305 46 LIN FT SS-CL-A2
15" @ 0.33%
- 306 STA 5015+50, 19' LT
CB TA 4 DIA TIF OL
RIM = 610.83
INV = 605.25



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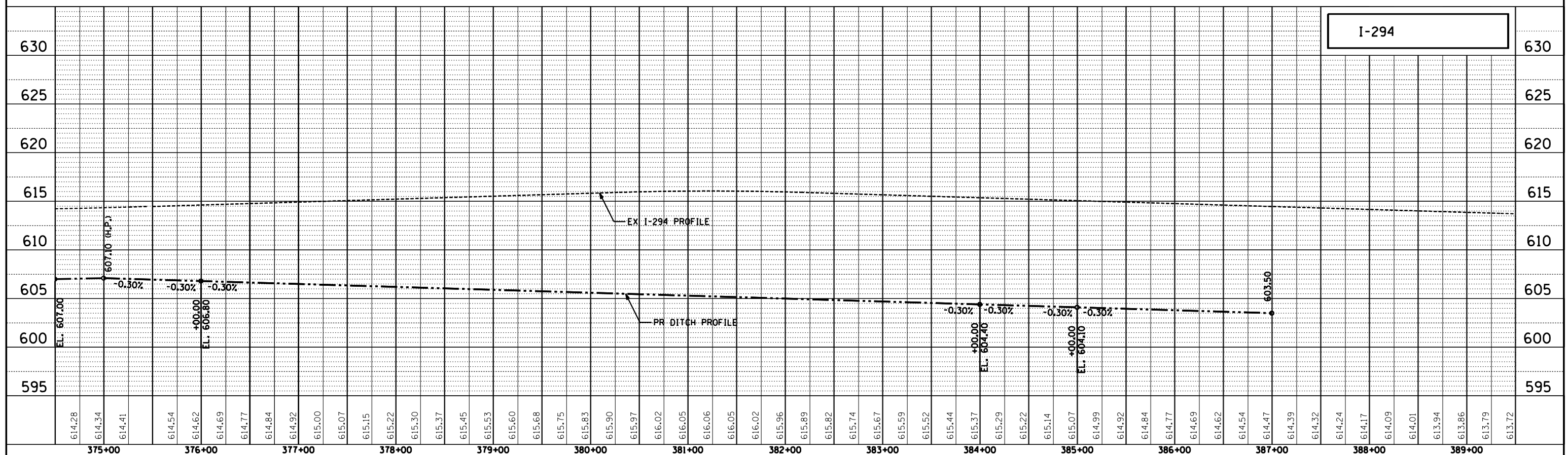
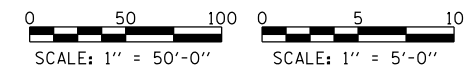
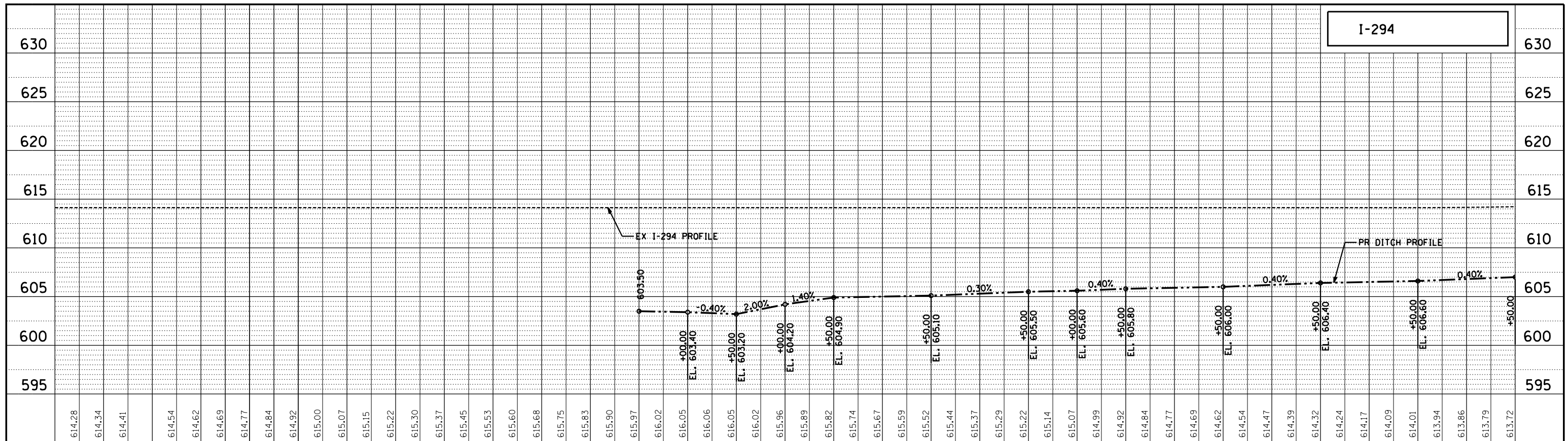
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT 19-4495
 I-57 AT 294 RAMPS C AND F2
 PROPOSED DRAINAGE

SHEET PD-08
 114 OF 606

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DATE 3-12-2020
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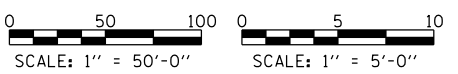
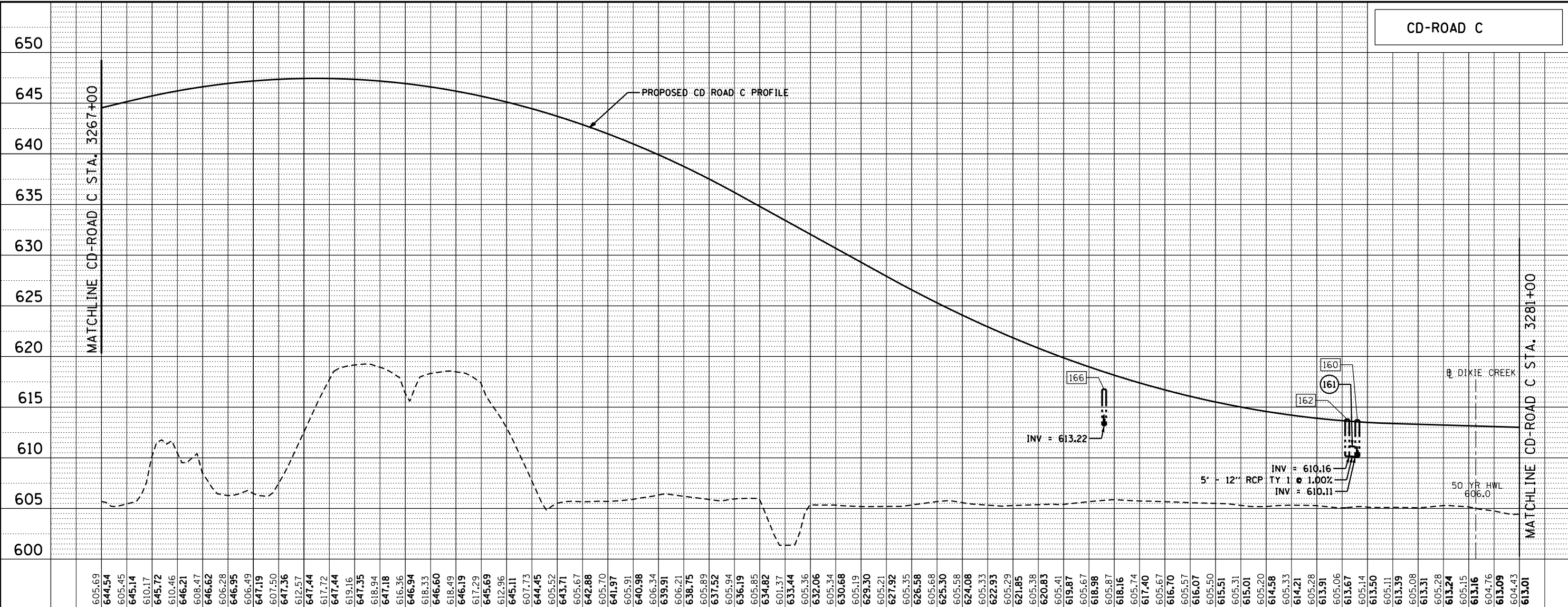


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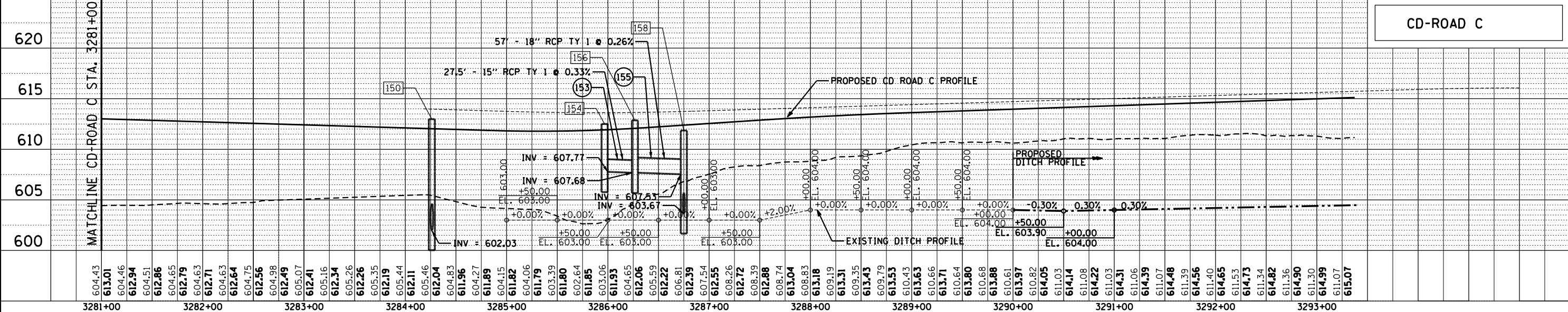
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 I-57 AT 294 RAMPS C AND F2
 PROPOSED DRAINAGE PROFILES - I-294

SHEET PDP-001
 115 OF 606

CD-ROAD C



CD-ROAD C



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DATE 3-12-2020
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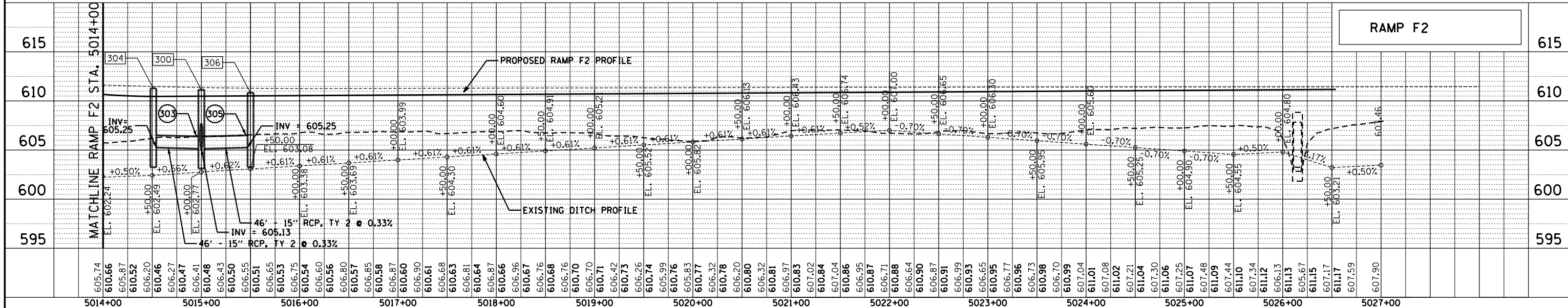
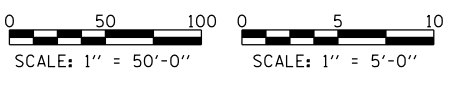
CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 PROPOSED DRAINAGE PROFILES -
 PROPOSED CD-ROAD C

SHEET PDP-002
 116 OF 606

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RAMP F2



RAMP F2

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DATE 3-12-2020
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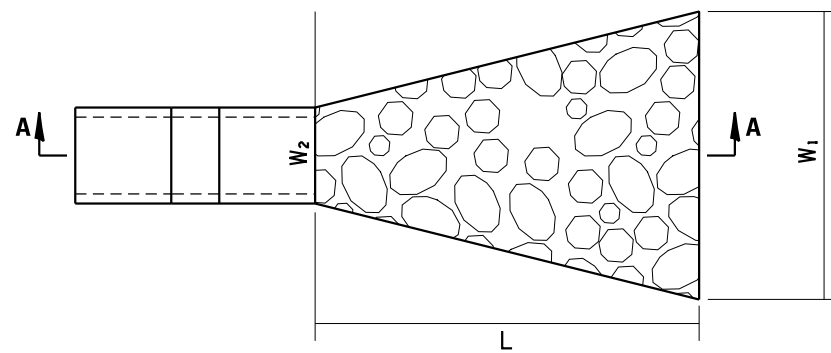
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NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 PROPOSED DRAINAGE PROFILES -
 PROPOSED RAMP F2

SHEET PDP-003
 117 OF 606

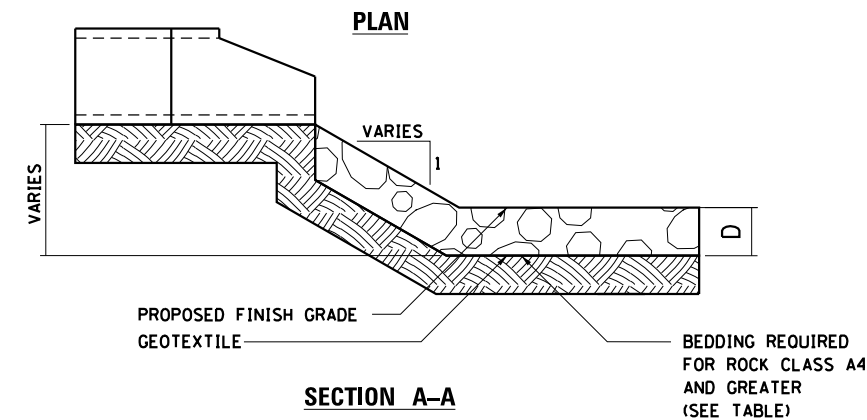
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RIPRAP OUTLET



APPROXIMATE STONE SIZE BASED ON IDOT STD.

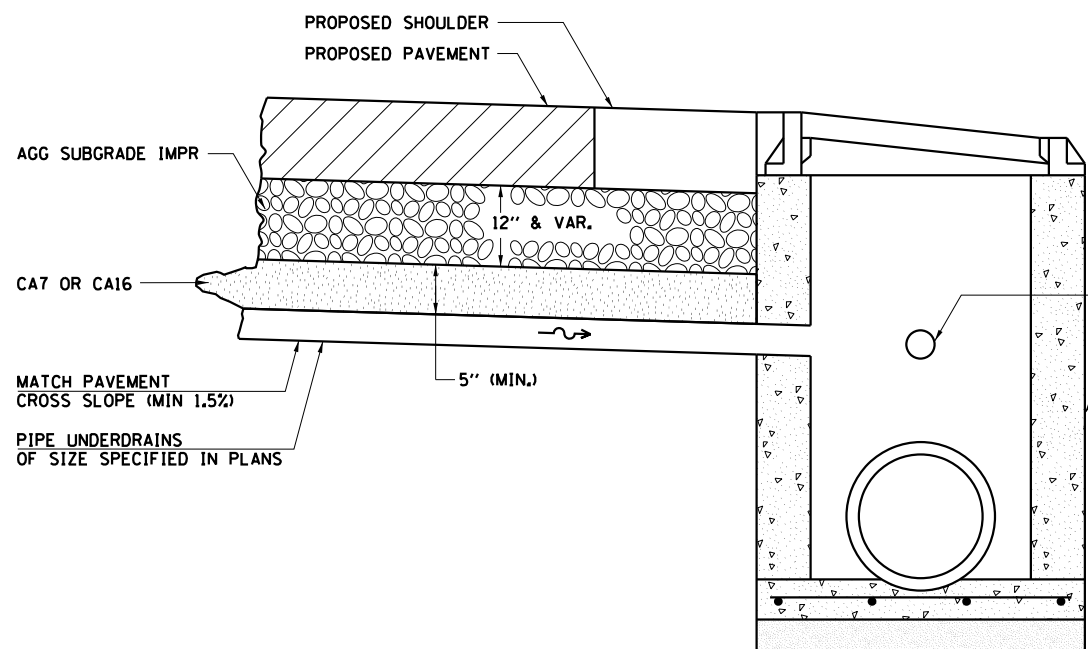
CLASS	d50 (IN)	dMAX (IN)
A3	5"	10"
A4	9"	14"
A5	12"	19"
A6	15"	22"



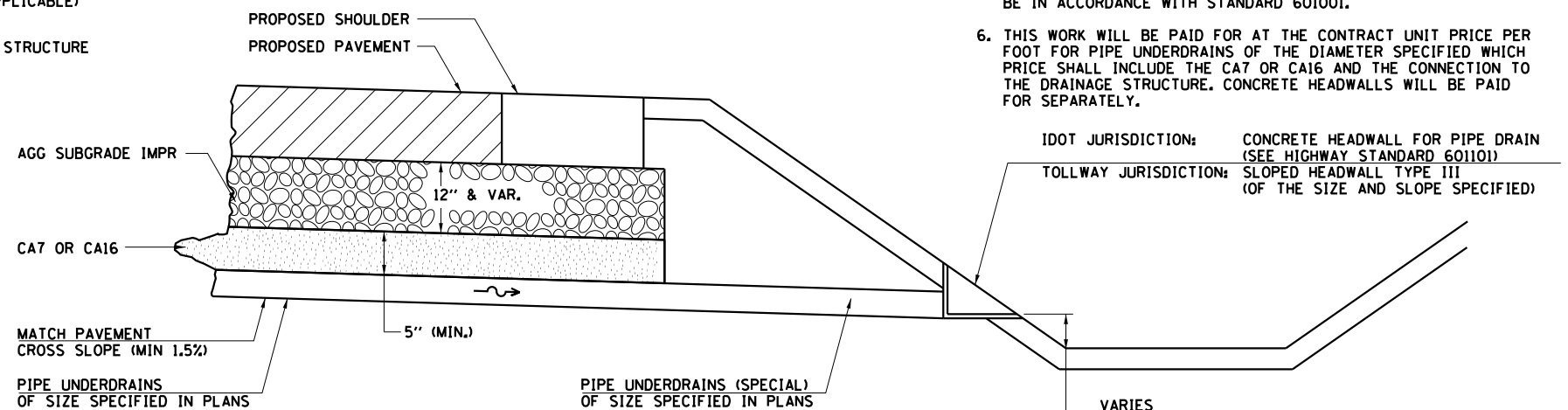
RIPRAP THICKNESS TABLE

ROCK CLASS	D (MIN. THICKNESS)	PIPE SIZE (IN)	BEDDING THICKNESS (IN)
A2	6"	10"	-
A3	15"	12"	-
A3	15"	15"	-
A4	16"	18"	6"
A4	16"	24"	6"
A4	16"	30"	6"
A5	22"	36"	8"
A5	26"	42"	8"
A6	26"	48"	10"

- NOTES:
1. THE FILTER FABRIC SHALL MEET THE REQUIREMENTS IN MATERIAL SPECIFICATIONS 592 GEOTEXTILE TABLE 1 OR 2, CLASS I, II OR III.
 2. THE ROCK RIPRAP SHALL MEET THE IDOT REQUIREMENTS FOR THE GRADATION SPECIFIED ON THE EROSION CONTROL PLANS.
 3. THE RIPRAP SHALL BE PLACED ACCORDING TO THE USDA NRCS CONSTRUCTION SPECIFICATION 61 ROCK RIPRAP. THE ROCK MAY BE EQUIPMENT PLACED. DIMENSIONS SHOWN IN PLAN VIEW SHALL BE AS SPECIFIED ON THE EROSION CONTROL PLANS OR AS DIRECTED BY THE ENGINEER.
 4. ROCK RIPRAP OUTLET DETAIL DOES NOT APPLY WITHIN TOLLWAY JURISDICTION



PIPE UNDERDRAINS (CASE I OUTLET - DRAINAGE STRUCTURE IN SHOULDER)



PIPE UNDERDRAINS (CASE III OUTLET - DITCH SECTION)

- NOTES:
1. PIPE UNDERDRAIN INSTALLATION SHALL OCCUR AFTER PLACEMENT OF THE AGGREGATE SUBGRADE IMPROVEMENT.
 2. PIPE UNDERDRAINS SHALL BE PLACED AT A DEPTH OF 36" BELOW THE TOP OF PROPOSED PAVEMENT OR AS DEEP AS POSSIBLE.
 3. SEE DRAINAGE PLANS AND PROPOSED PIPE UNDERDRAIN SCHEDULE FOR SIZES AND LOCATIONS OF PIPE UNDERDRAINS AND CONCRETE HEADWALLS FOR PIPE DRAINS.
 4. THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS AND WITH CHECK SHEET #19 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
 5. PIPE UNDERDRAIN INSTALLATION BENEATH PAVED SHOULDERS SHALL BE IN ACCORDANCE WITH STANDARD 601001.
 6. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PIPE UNDERDRAINS OF THE DIAMETER SPECIFIED WHICH PRICE SHALL INCLUDE THE CA7 OR CA16 AND THE CONNECTION TO THE DRAINAGE STRUCTURE. CONCRETE HEADWALLS WILL BE PAID FOR SEPARATELY.

IDOT JURISDICTION: CONCRETE HEADWALL FOR PIPE DRAIN (SEE HIGHWAY STANDARD 601101)
 TOLLWAY JURISDICTION: SLOPED HEADWALL TYPE III (OF THE SIZE AND SLOPE SPECIFIED)

VARIES
 SEE DRAINAGE PLANS FOR LOCATIONS
 (6" IN AREAS UNDER TOLLWAY JURISDICTION)

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DATE **3-12-2020**
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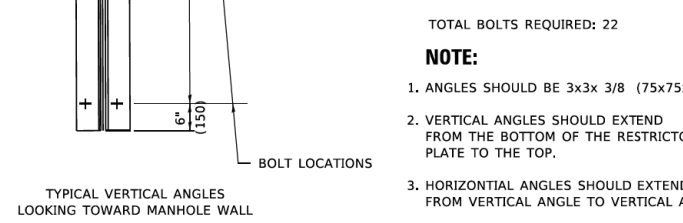
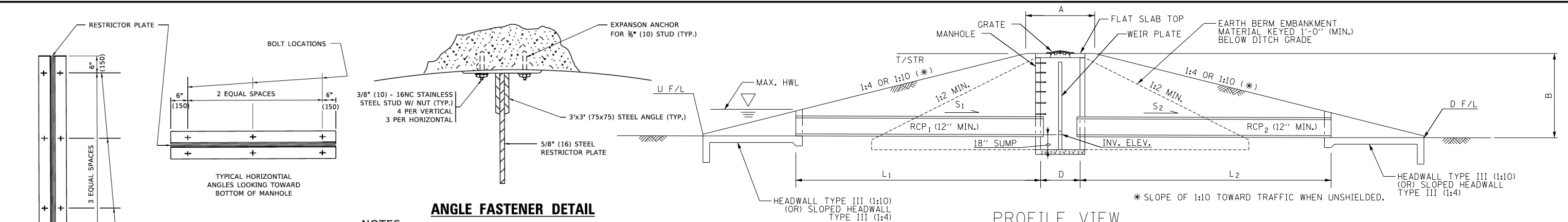


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 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

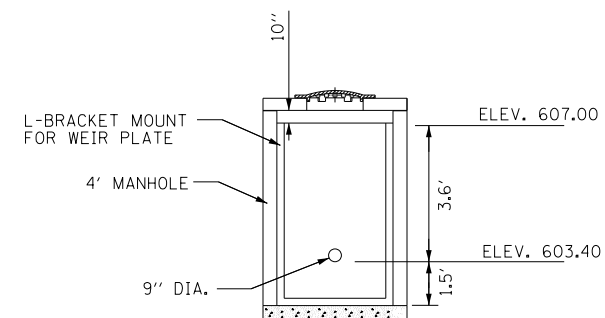
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2
 MISCELLANEOUS DETAILS

SHEET **DT-01**
118 OF **606**



STEEL ANGLE BOLTING DETAILS



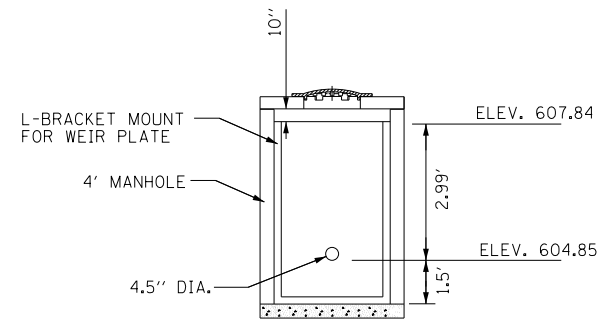
WEIR PLATE DETAIL

DESIGN ELEMENTS	CHECK DAM #1	VALUES
DRAINAGE AREA	X (ACRES)	17.7
STORAGE VOLUME	V (CU. YD.)	197
CHECK DAM TOP WIDTH	A (FEET)	5
CHECK DAM HEIGHT	B (FEET)	5.13
MANHOLE	D (DIAMETER)	4
MANHOLE-GRATE	TYPE	TYPE 8 GRATE
HORIZONTAL PIPE (RCP ₁)	P ₁ (DIAMETER)	12"
HORIZONTAL PIPE (RCP ₁)	L ₁ (FEET)	15
HORIZONTAL PIPE (RCP ₁)	S ₁ (SLOPE)	0.20%
HORIZONTAL PIPE (RCP ₂)	P ₂ (DIAMETER)	12"
HORIZONTAL PIPE (RCP ₂)	L ₂ (FEET)	16
HORIZONTAL PIPE (RCP ₂)	S ₂ (SLOPE) (%)	1.25%
WEIR PLATE-DETAIL	SHAPE	FLAT
WEIR PLATE-RELEASE RATE	CFS	9.5
HEADWALL TYPE III (1:10)	PIPE DIAMETER	N/A
SLOPED HEADWALL TYPE III (1:4)	PIPE DIAMETER	12"
HIGH WATER ELEVATION	HWL (FEET)	607
TOP OF STRUCTURE ELEVATION	T/STR (FEET)	608.33
UPSTREAM FLOWLINE	U F/L (FEET)	603.43
DOWNSTREAM FLOWLINE	D F/L (FEET)	603.20
ORIFICE	DIAMETER (INCH)	9

NOTES:
 1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.

ANGLE FASTENER DETAIL

- ANGLES SHOULD BE 3x3x 3/8 (75x75x75)
- VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
- HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

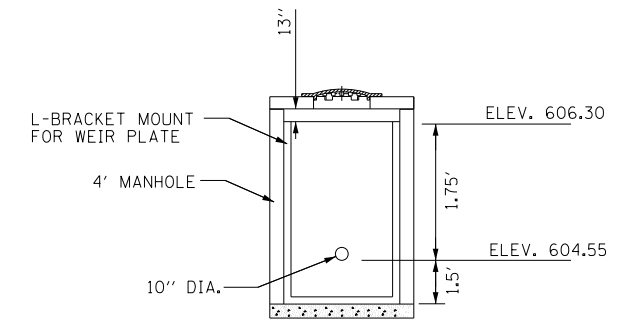


WEIR PLATE DETAIL

DESIGN ELEMENTS	CHECK DAM #2	VALUES
DRAINAGE AREA	X (ACRES)	4.8
STORAGE VOLUME	V (CU. YD.)	96
CHECK DAM TOP WIDTH	A (FEET)	5
CHECK DAM HEIGHT	B (FEET)	4.57
MANHOLE	D (DIAMETER)	4
MANHOLE-GRATE	TYPE	TYPE 8 GRATE
HORIZONTAL PIPE (RCP ₁)	P ₁ (DIAMETER)	12"
HORIZONTAL PIPE (RCP ₁)	L ₁ (FEET)	13
HORIZONTAL PIPE (RCP ₁)	S ₁ (SLOPE)	0.46%
HORIZONTAL PIPE (RCP ₂)	P ₂ (DIAMETER)	12"
HORIZONTAL PIPE (RCP ₂)	L ₂ (FEET)	14
HORIZONTAL PIPE (RCP ₂)	S ₂ (SLOPE) (%)	1.79%
WEIR PLATE-DETAIL	SHAPE	FLAT
WEIR PLATE-RELEASE RATE	CFS	6.6
HEADWALL TYPE III (1:10)	PIPE DIAMETER	N/A
SLOPED HEADWALL TYPE III (1:4)	PIPE DIAMETER	12"
HIGH WATER ELEVATION	HWL (FEET)	607.84
TOP OF STRUCTURE ELEVATION	T/STR (FEET)	609.17
UPSTREAM FLOWLINE	U F/L (FEET)	604.91
DOWNSTREAM FLOWLINE	D F/L (FEET)	604.60
ORIFICE	DIAMETER (INCH)	4.5

OUTLET CONTROL STRUCTURE (CHECK DAM)

NOTE:
 ALL SLOPES ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT UNLESS OTHERWISE NOTED. (V:H).



WEIR PLATE DETAIL

DESIGN ELEMENTS	CHECK DAM #3	VALUES
DRAINAGE AREA	X (ACRES)	6.3
STORAGE VOLUME	V (CU. YD.)	70
CHECK DAM TOP WIDTH	A (FEET)	5
CHECK DAM HEIGHT	B (FEET)	3.11
MANHOLE	D (DIAMETER)	4
MANHOLE-GRATE	TYPE	TYPE 8 GRATE
HORIZONTAL PIPE (RCP ₁)	P ₁ (DIAMETER)	12"
HORIZONTAL PIPE (RCP ₁)	L ₁ (FEET)	12.5
HORIZONTAL PIPE (RCP ₁)	S ₁ (SLOPE)	0.40%
HORIZONTAL PIPE (RCP ₂)	P ₂ (DIAMETER)	12"
HORIZONTAL PIPE (RCP ₂)	L ₂ (FEET)	15
HORIZONTAL PIPE (RCP ₂)	S ₂ (SLOPE) (%)	0.20%
WEIR PLATE-DETAIL	SHAPE	FLAT
WEIR PLATE-RELEASE RATE	CFS	13.5
HEADWALL TYPE III (1:10)	PIPE DIAMETER	N/A
SLOPED HEADWALL TYPE III (1:4)	PIPE DIAMETER	12"
HIGH WATER ELEVATION	HWL (FEET)	606.3
TOP OF STRUCTURE ELEVATION	T/STR (FEET)	607.85
UPSTREAM FLOWLINE	U F/L (FEET)	604.60
DOWNSTREAM FLOWLINE	D F/L (FEET)	604.52
ORIFICE	DIAMETER (INCH)	10

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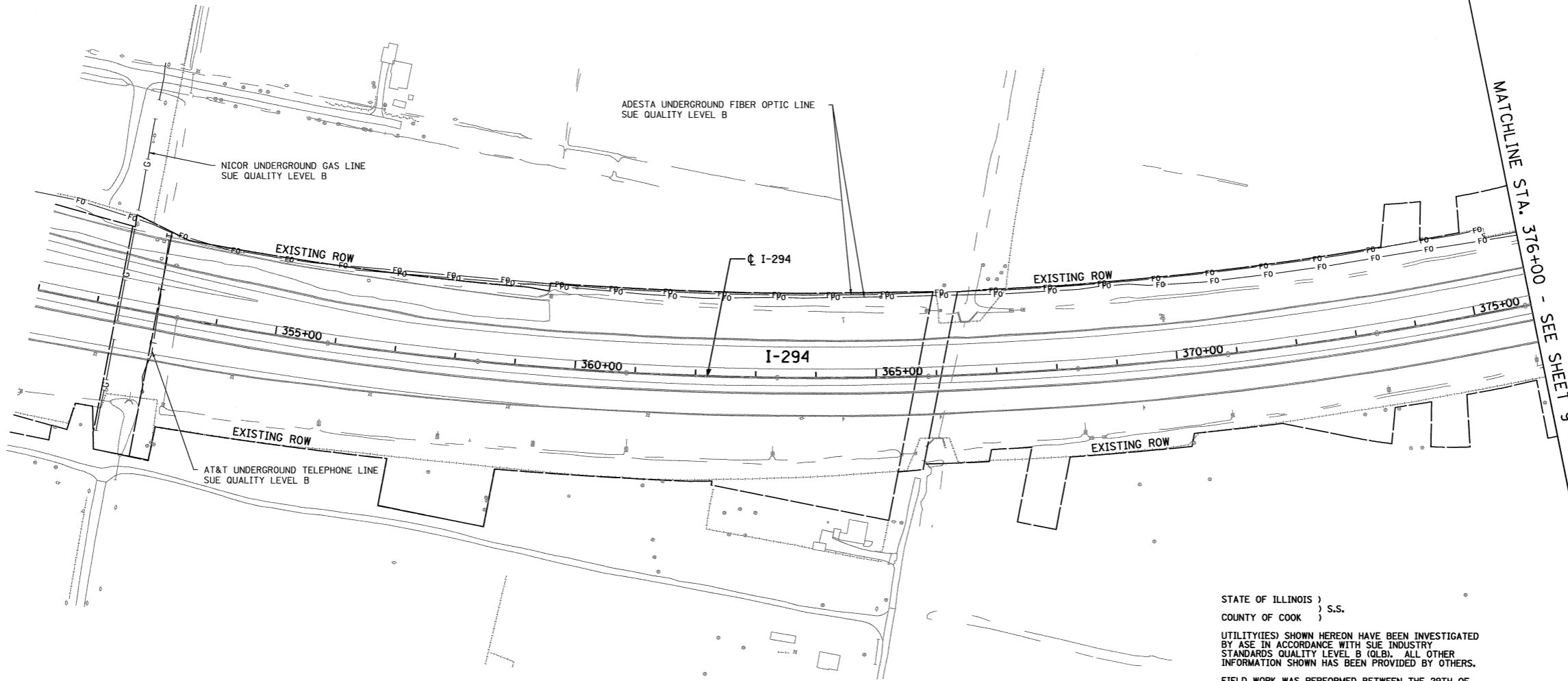
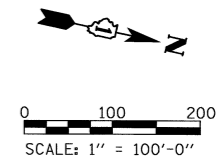
CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2
OUTLET CONTROL STRUCTURE
CHECK DAM DETAIL

SHEET **DT-02**
119 OF **606**

M-DRN-600

OUTLET CONTROL STRUCTURE
 CHECK DAM DETAILS

DATE
 3-1-2019



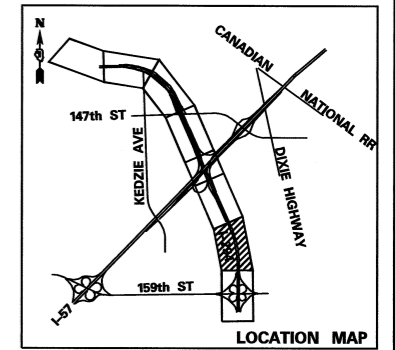
STATE OF ILLINOIS)
COUNTY OF COOK) S.S.

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 29TH OF JANUARY AND 6TH DAY OF APRIL, A.D., 2009.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 9TH DAY OF APRIL A.D., 2009. CHICAGO, IL.

Steven M. Rienks
STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619
MY LICENSE EXPIRES 11/30/2009



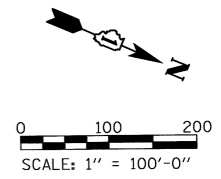
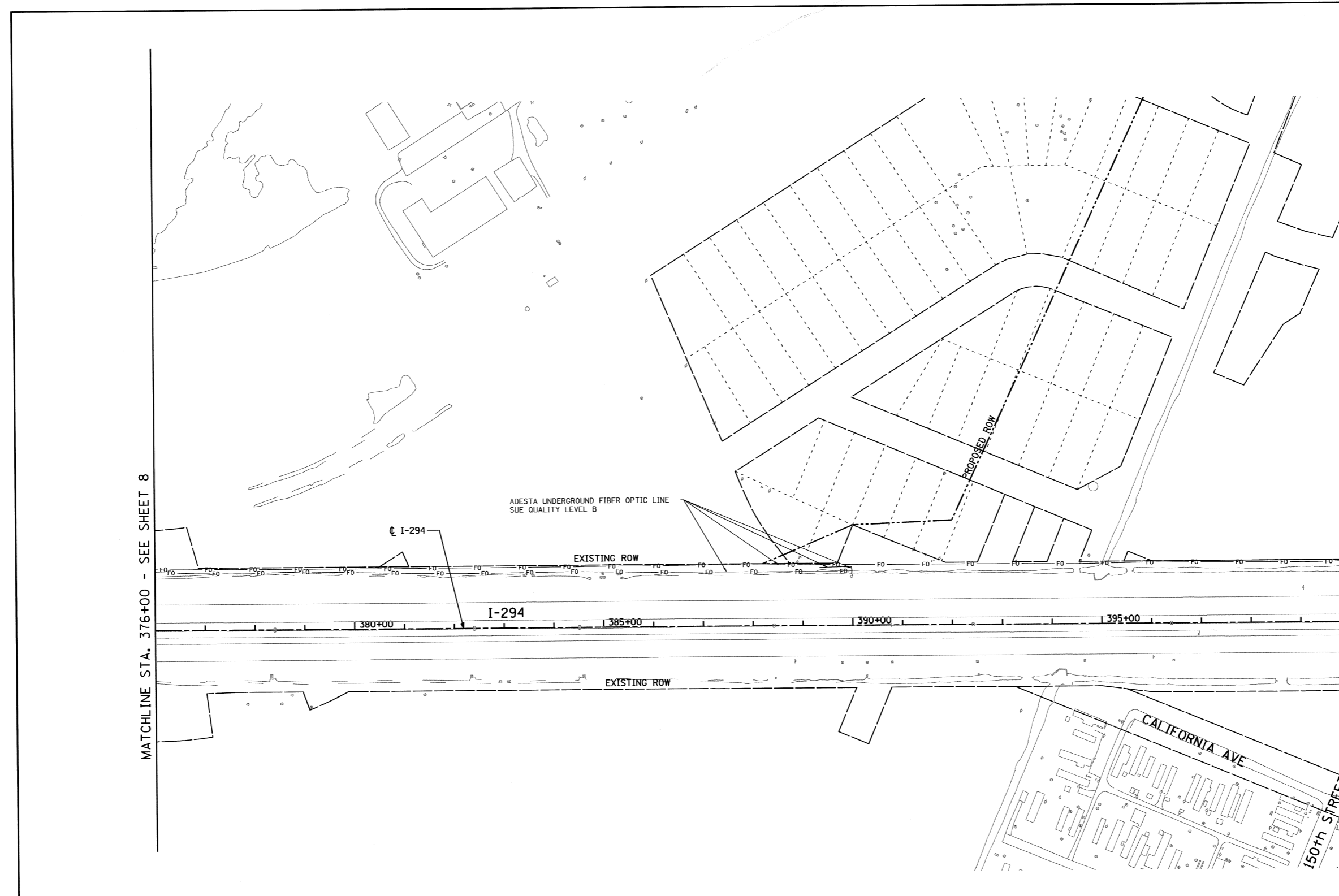
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SURVEYING & ENGINEERING, P.C.
SURVEYORS - ENGINEERS
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Dixon 815-288-6231 / Fax 815-288-6277
Aurora 603-897-4105 / Fax 630-897-4121
Illinois Professional Design Firm No. 184-003192

UTILITY LINE LEGEND

— T —	EXISTING UNDERGROUND TELEPHONE	— G —	EXISTING UNDERGROUND GAS
— W —	EXISTING UNDERGROUND WATER	— CTV —	EXISTING UNDERGROUND CABLE TV
— E —	EXISTING UNDERGROUND ELECTRIC	— FO —	EXISTING UNDERGROUND FIBER OPTIC

- NOTES:**
- HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION.
 - AS OF APRIL 6, 2009, ASE HAS NOT RECEIVED AT&T UTILITY MAPS. THEREFORE, AT&T UTILITY LINES SHOWN ARE BASED ON FIELD EVIDENCE.
 - LEVEL D INFORMATION OBTAINED FROM VILLAGE OF POSEY'S WATER ATLAS.

<p>APPROVED..... DATE.....</p> <p>CHIEF ENGINEER</p>	<p>TYLIN INTERNATIONAL</p>	<p>THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY</p> <p>2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS		NO.	DATE							<p>STA. 351+00 TO STA. 376+00</p> <p>I-294 AT I-57 INTERCHANGE SUBSURFACE UTILITY LOCATIONS</p>	<p>DRAWING NO.</p> <p>8 OF 18</p>
REVISIONS															
NO.	DATE														



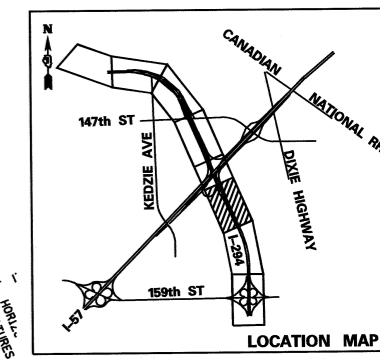
STATE OF ILLINOIS)
) S.S.
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 Illinois Professional Design Firm No. 184-003192

UTILITY LINE LEGEND

— T —	EXISTING UNDERGROUND TELEPHONE	— G —	EXISTING UNDERGROUND GAS
— W —	EXISTING UNDERGROUND WATER	— CTV —	EXISTING UNDERGROUND CABLE TV
— E —	EXISTING UNDERGROUND ELECTRIC	— FO —	EXISTING UNDERGROUND FIBER OPTIC

NOTES:

- HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION.
- AS OF APRIL 6, 2009, ASE HAS NOT RECEIVED AT&T UTILITY MAPS. THEREFORE, AT&T UTILITY LINES SHOWN ARE BASED ON FIELD EVIDENCE.
- LEVEL D INFORMATION OBTAINED FROM VILLAGE OF POSEN'S WATER ATLAS.

APPROVED _____ DATE _____
 CHIEF ENGINEER

TYLIN INTERNATIONAL

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS	
NO.	DATE DESCRIPTION

STA. 376+00 TO STA. 400+00
 I-294 AT I-57 INTERCHANGE
 SUBSURFACE UTILITY LOCATIONS

DRAWING NO.
 9 OF 18

VERIFIED UTILITY INFORMATION - SUE QUALITY LEVEL A

CONFLICT No.	SIZE / TYPE	NORTHING	EASTING	STATION	OFFSET	TOP OF UTILITY	EXISTING CUT	REFERENCE GROUND ELEV.	COMMENTS
1	DID NOT FIND	1804043.219	1160875.752	1256+94.79	83.41 RT.	NA	12.00	628.81	ISTHA FIBER OPTIC
2	DID NOT FIND	1804199.759	1160802.456	1257+56.50	78.04 LT.	NA	12.00	631.45	ISTHA FIBER OPTIC

STATE OF ILLINOIS)
COUNTY OF COOK) S.S.

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL A (QLA) AND B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 8TH OF APRIL AND 22ND DAY OF APRIL, A.D., 2010.

IN WITNESS WHEREOF, I HAVE HERELUNTO SET MY HAND AND SEAL THIS 23RD DAY OF APRIL, A.D., 2010. CHICAGO, IL.

Steven M. Riens

STEVEN M. RIENS ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619 MY LICENSE EXPIRES 11/30/2011



CONFLICT # 2
DID NOT FIND ISTHA FIBER OPTIC LINE
SUE QUALITY LEVEL "A"

COMED UNDERGROUND CUSTOMER SERVICE LINE
SUE QUALITY LEVEL B

CONFLICT # 1
DID NOT FIND ISTHA FIBER OPTIC LINE
SUE QUALITY LEVEL "A"

ADESTA UNDERGROUND FIBER OPTIC LINE
SUE QUALITY LEVEL B

☉ I-294

☉ I-57

NICOR UNDERGROUND GAS LINE
SUE QUALITY LEVEL B

AT&T UNDERGROUND TELEPHONE LINE
SUE QUALITY LEVEL B

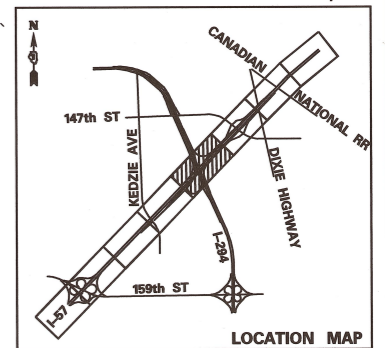
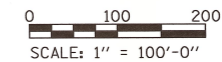
COMED UNDERGROUND CUSTOMER SERVICE LINE
SUE QUALITY LEVEL B

UTILITY LINE LEGEND

- | | | | |
|-----|----------------------------------|-------|----------------------------------|
| ☉ | CONFLICT # (SUE QUALITY LEVEL A) | —G— | EXISTING UNDERGROUND GAS |
| —T— | EXISTING UNDERGROUND TELEPHONE | —CTV— | EXISTING UNDERGROUND CABLE TV |
| —W— | EXISTING UNDERGROUND WATER | —FO— | EXISTING UNDERGROUND FIBER OPTIC |
| —E— | EXISTING UNDERGROUND ELECTRIC | | |

NOTES:

- HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION.



AMERICAN
SURVEYING & ENGINEERING, P.C.
SURVEYORS - ENGINEERS
GEODESISTS - MAPPING SCIENTISTS
Chicago 312-277-2000 / Fax 312-277-2002
Dixon 815-288-6231 / Fax 815-288-6277
Aurora 603-897-4105 / Fax 630-897-4121
Illinois Professional Design Firm No. 184-003192

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY

2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS	
NO.	DATE DESCRIPTION

STA. 1246+00 TO STA. 1276+00
I-294 AT I-57 INTERCHANGE
SUBSURFACE UTILITY LOCATIONS

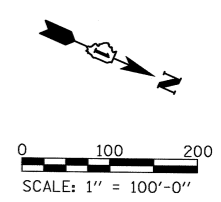
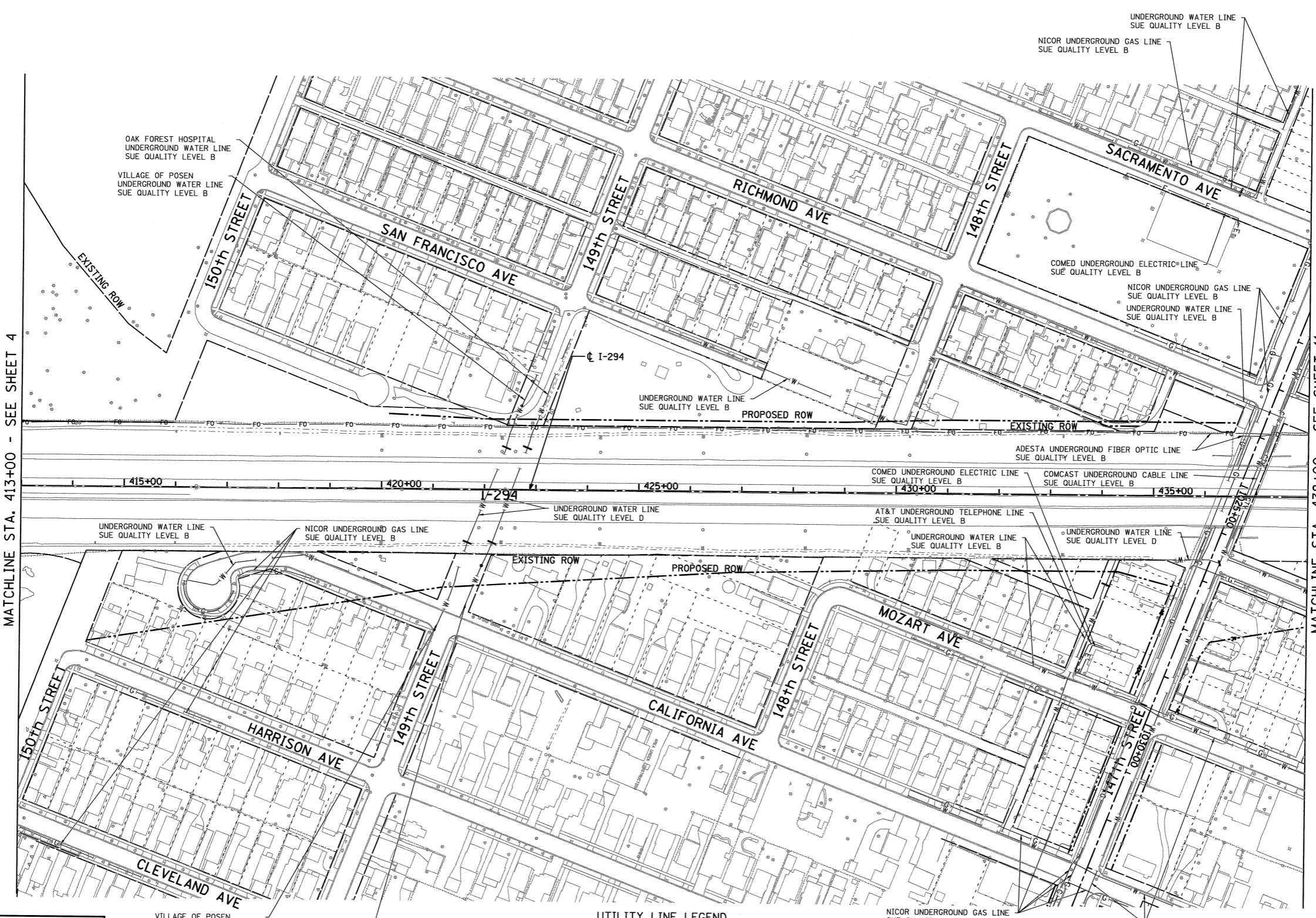
DRAWING NO.
4 OF 5

MATCHLINE STA. 1246+00 - SEE SHEET 3

MATCHLINE STA. 1276+00 - SEE SHEET 5

DATE: 4/23/2010

APPROVED: _____ DATE: _____
CHIEF ENGINEER

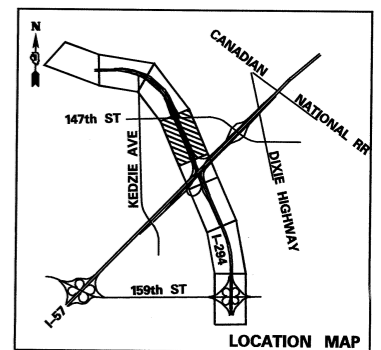


MATCHLINE STA. 413+00 - SEE SHEET 4

MATCHLINE STA. 438+00 - SEE SHEET 11

STATE OF ILLINOIS) S.S.
 COUNTY OF COOK)
 UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL A (QLA) AND B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.
 FIELD WORK WAS PERFORMED BETWEEN THE 8TH OF APRIL AND 4TH DAY OF JUNE, A.D., 2010.
 IN WITNESS WHEREOF, I HAVE HERETO SET MY HAND AND SEAL THIS 7TH DAY OF JUNE A.D., 2010. CHICAGO, IL.

Steven M. Rienks
 STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619
 MY LICENSE EXPIRES 11/30/2011



AMERICAN
 SURVEYING & ENGINEERING, P.C.
 SURVEYORS - ENGINEERS
 GEODESISTS - MAPPING SCIENTISTS
 Chicago 312-277-2000 / Fax 312-277-2002
 Dixon 815-288-6231 / Fax 815-288-6277
 Aurora 603-897-4105 / Fax 630-897-4121
 Illinois Professional Design Firm No. 184-003192

VILLAGE OF POSEN UNDERGROUND WATER LINE SUE QUALITY LEVEL B
 OAK FOREST HOSPITAL UNDERGROUND WATER LINE SUE QUALITY LEVEL B

UTILITY LINE LEGEND

- | | | | |
|-------|----------------------------------|---------|----------------------------------|
| — T — | EXISTING UNDERGROUND TELEPHONE | — G — | EXISTING UNDERGROUND GAS |
| — W — | EXISTING UNDERGROUND WATER | — CTV — | EXISTING UNDERGROUND CABLE TV |
| — E — | EXISTING UNDERGROUND ELECTRIC | — FO — | EXISTING UNDERGROUND FIBER OPTIC |
| ● | CONFLICT * (SUE QUALITY LEVEL A) | | |

NOTES:
 1. HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION.

APPROVED _____ DATE _____
 CHIEF ENGINEER

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

STA. 413+00 TO STA. 438+00
 I-294 AT I-57 INTERCHANGE
 SUBSURFACE UTILITY LOCATIONS

DRAWING NO.
 5A OF 5

<E> STA# 407+75 (128' LT) HH# 199
 RAISE FRAME AND COVER 5' TO ELEVATION = 612.75
 REPLACE <E> 8' HOOKED MANHOLE LADDER
 WITH 14' HOOKED MANHOLE LADDER.

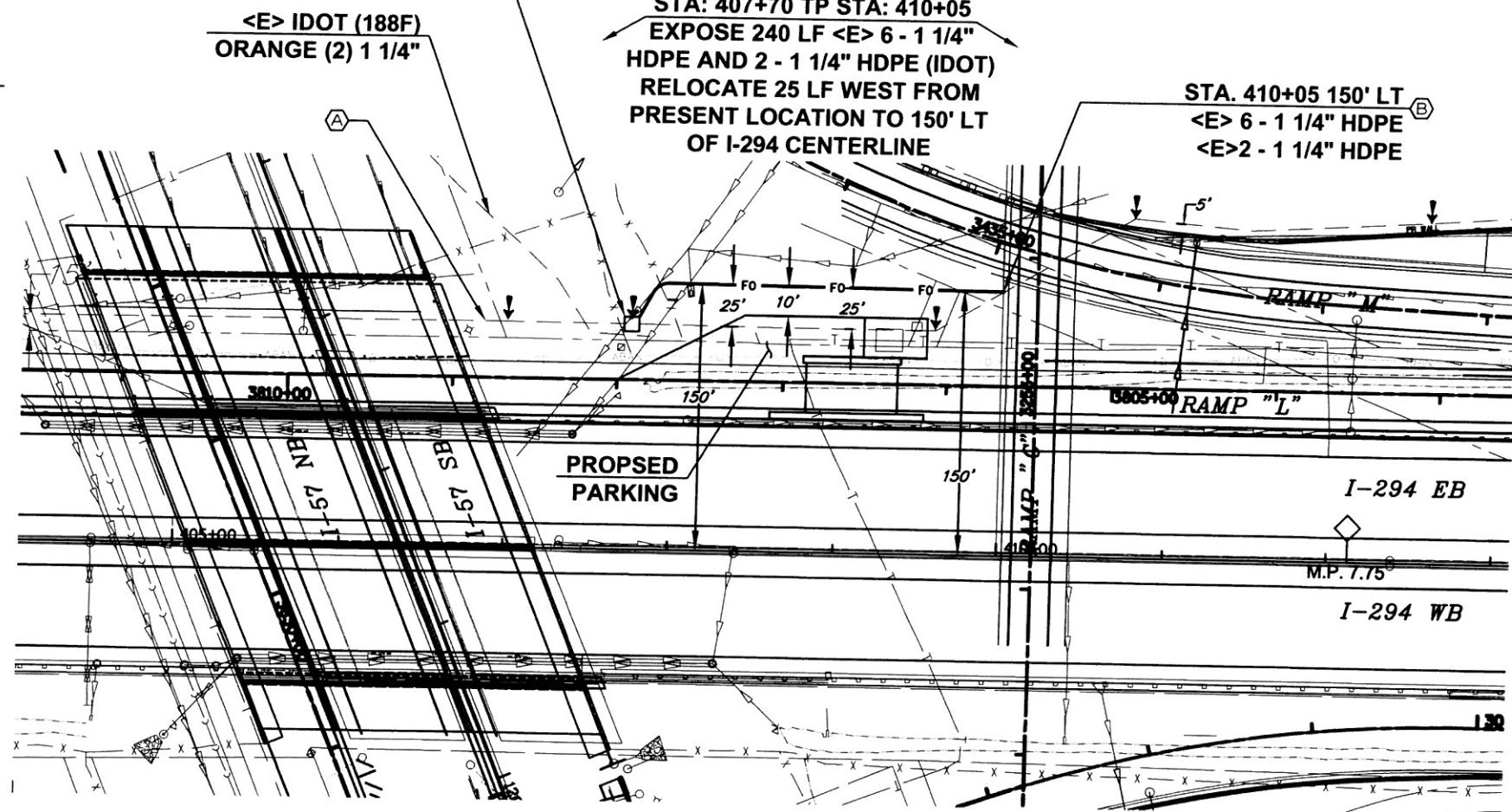
- Ⓐ
 <E> ISTHA 6 1 - 1/4" HDPE
 1 - GREEN/WHITE STRIPE
 1 - BLUE/GREEN STRIPE
 1 - BLUE/ORANGE STRIPE
 1 - BLUE/GRAY STRIPE
 1 - ORANGE/BLUE STRIPE
 1 - BLUE/YELLOW STRIPE

<E> IDOT (188F)
 ORANGE (2) 1 1/4"

STA: 407+70 TP STA: 410+05
 EXPOSE 240 LF <E> 6 - 1 1/4"
 HDPE AND 2 - 1 1/4" HDPE (IDOT)
 RELOCATE 25 LF WEST FROM
 PRESENT LOCATION TO 150' LT
 OF I-294 CENTERLINE

STA. 410+05 150' LT
 <E> 6 - 1 1/4" HDPE
 <E> 2 - 1 1/4" HDPE

- Ⓑ
 <E> ISTHA 8 1 - 1/4" HDPE
 1 - GREEN/WHITE STRIPE
 1 - BLUE/GREEN STRIPE
 1 - BLUE/ORANGE STRIPE
 1 - BLUE/GRAY STRIPE
 1 - ORANGE/BLUE STRIPE
 1 - BLUE/YELLOW STRIPE
 1 - ORANGE (IDOT)
 1 - ORANGE (IDOT)



GPS # NORTHING:		STA: 407+75		SLACK		GPS # EASTING:		SLACK		DUCT COLOR	
MH # 199	(8'x4'x6')	USER	COIL	SEQ # AT WALL	SEQ # AT CASE	SEQ # AT WALL	SEQ # AT CASE	COIL	COIL		
GREEN/WHITE STRIPE	(1 1/4')	ISTHA (24F)		8452		8332		120		GREEN/WHITE STRIPE	(1 1/4')
BLUE/GREEN STRIPE	(1 1/4')	CONDO (188F)		8100		7900		200		BLUE/GREEN STRIPE	(1 1/4')
BLUE/ORANGE STRIPE	(1 1/4')	LEVEL 3 (192F)		2440		2490		50		BLUE/ORANGE STRIPE	(1 1/4')
BLUE/GRAY STRIPE	(1 1/4')	USX (288F)		3224		3274		50		BLUE/GRAY STRIPE	(1 1/4')
ORANGE/BLUE STRIPE	(1 1/4')	SPARE								ORANGE/BLUE STRIPE	(1 1/4')
BLUE/YELLOW STRIPE	(1 1/4')	SPARE								BLUE/YELLOW STRIPE	(1 1/4')
TIE-INS		IDOT (96F)*				35314	35340	26			
NO DUCT RUN EAST		IDOT (96F)*				35326	35340	14		ORANGE (1 1/4')	

*IDOT 96F SPLICED TO TEMP 288F (USED TO BE SPLICED TO ISTHA 24F)

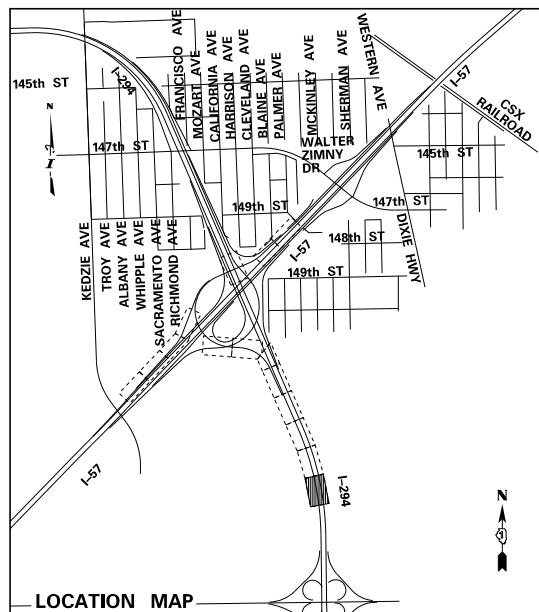
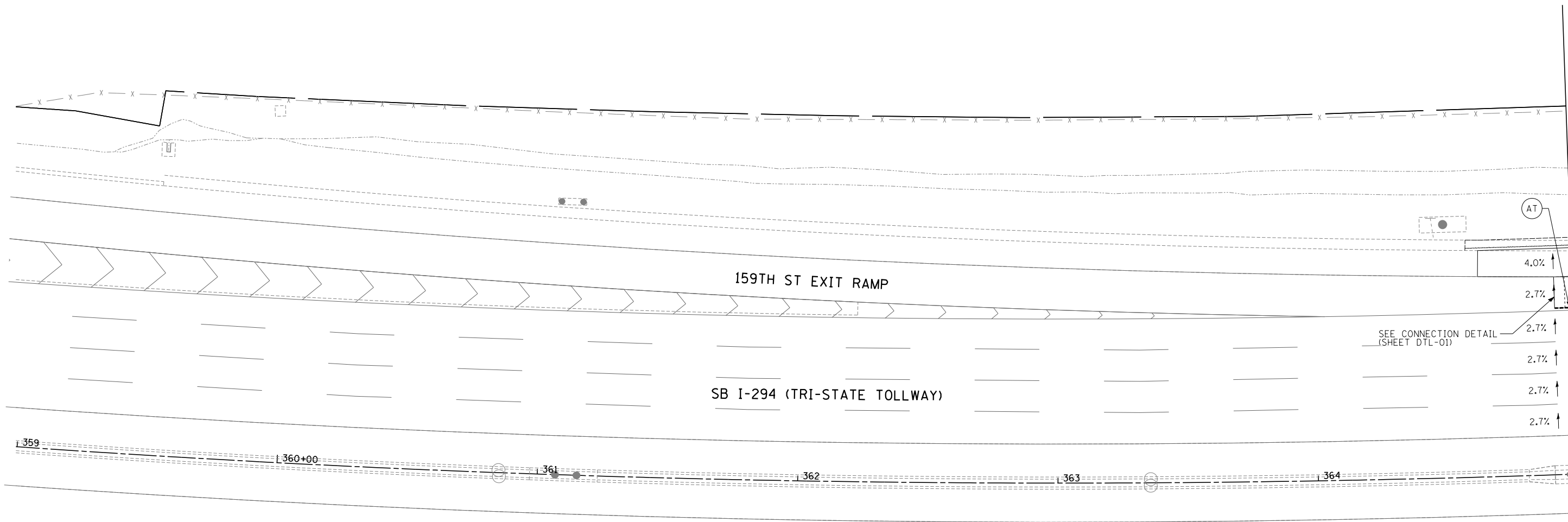
DRAWN BY: DJ DATE: 01/15/19
 CHECKED BY: IP SCALE: 1"=100'

G4S
 G4S SECURE INTEGRATION, LLC
 565 WILLOWBROOK CTR PKWY
 WILLOWBROOK, IL 60527

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS			
NO.	DATE	DESCRIPTION	DL
1	01/15/19	PER-FINAL PLANS NOT FOR CONSTRUCTION	DJ

CONTRACT NO. I-18-XXX6
 SEGMENT 3
 I-294 AND I-57
 PLANVIEW FIBER RELOCATION
 DRAWING NO. 5 OF 6



NOTES:

PAVEMENT ELEVATIONS AT 25' SPACING ALONG THE BASELINES ARE PROVIDED ON THE PROFILE SHEETS. ADDITIONAL ELEVATIONS TO MATCH EXISTING OR IN GORE AREAS ARE DEPICTED WHERE APPLICABLE.

THE DIMENSIONS FOR THE PAVEMENT JOINTS ARE BASED ON THE CENTER LINE DISTANCE BETWEEN THE JOINTS.

ALL DEFORMED TIE BARS SHALL BE EPOXY COATED, UNLESS NOTED OTHERWISE.

FOR JOINT DETAILS SEE IDOT STD 420001 & BD49 AND ISTHA STD A7.

PGL FOR NB & SB I-57 PROFILES IS LOCATED 56' RT OR LT, RESPECTIVELY, FROM I-57 CL.

ALL SPOT ELEVATIONS ARE PAVEMENT GRADES UNLESS OTHERWISE NOTED.

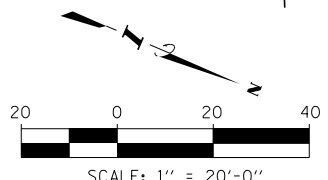
CONTRACTOR TO SMOOTHLY TRANSITION BETWEEN PROPOSED SPOT GRADES AND CROSS SLOPES.

PAVEMENT TYPES AND DRAINAGE STRUCTURES SHOWN FOR REFERENCE ONLY. SEE PROPOSED AND DRAINAGE PLANS RESPECTIVELY FOR MORE INFORMATION.

CONTRACTOR SHALL ADJUST LOCATION OF TRANSVERSE CONTRACTION JOINTS IN PROPOSED PAVEMENT TO ALIGN WITH TRANSVERSE CONTRACTION JOINTS IN ADJACENT EXISTING PAVEMENT.

LEGEND:

- + (XXX.XX) EXISTING SPOT ELEVATION (CONTRACTOR TO VERIFY)
 - +XXX.XX PROPOSED SPOT ELEVATION
 - (X.X%) EXISTING CROSS SLOPE
 - X.X % PROPOSED CROSS SLOPE
 - (A) LONGITUDINAL CONSTRUCTION JOINT WITH EPOXY COATED TIE BARS DRILLED AND GROUTED INTO EXISTING PAVEMENT PER IDOT STD 420001 OR STD A12-A14 (INCLUDED IN THE COST OF THE ADJACENT CRC OR JOINTED PCC PAVEMENT)
 - (B) LONGITUDINAL CONSTRUCTION OR SAWED JOINT PER IDOT STD 420001, IDOT D1 STD BD49, OR ISTHA STD A12-A14 (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)
 - (C) LONGITUDINAL SAWED JOINT PER IDOT STD 420001 AND IDOT STD BD49 (INCLUDED IN THE COST OF PCC SHOULDERS OR JOINTED PCC PAVEMENT)
 - (D) TRANSVERSE CONTRACTION JOINT PER IDOT STD 420001 (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)
 - (E) TRANSVERSE EXPANSION JOINT WITH EPOXY COATED DOWEL BARS PER STD. 420001 (IDOT) OR A7 (ISTHA) (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT OR PCC BRIDGE CONNECTOR PAVEMENT)
 - (F) LONGITUDINAL KEYED JOINT, PER STD. 420001 (INCLUDED IN THE COST OF PCC SHOULDERS)
- (A) - INDICATES ISTHA STD TO BE USED



P:\6625\0157-294-5-19\Road\95NEW_Ramps_C&F2_01000005-PJE-SHT01.dgn 2/13/2020

DRAWN BY . . . MFG	DATE . . . 4-3-2020
CHECKED BY . . .	SCALE . . . 1"=20'

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

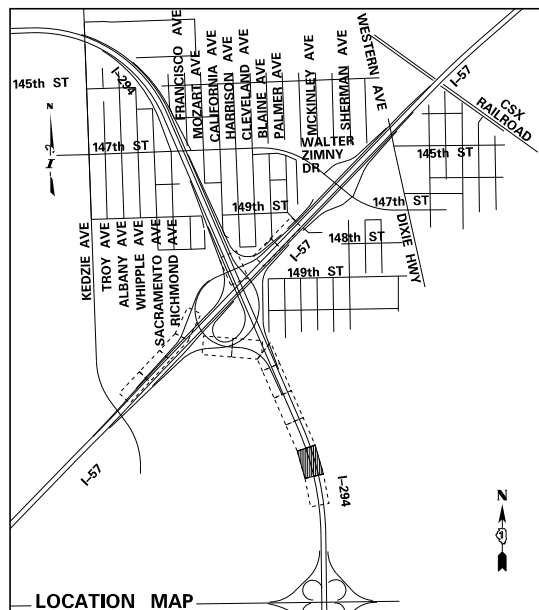
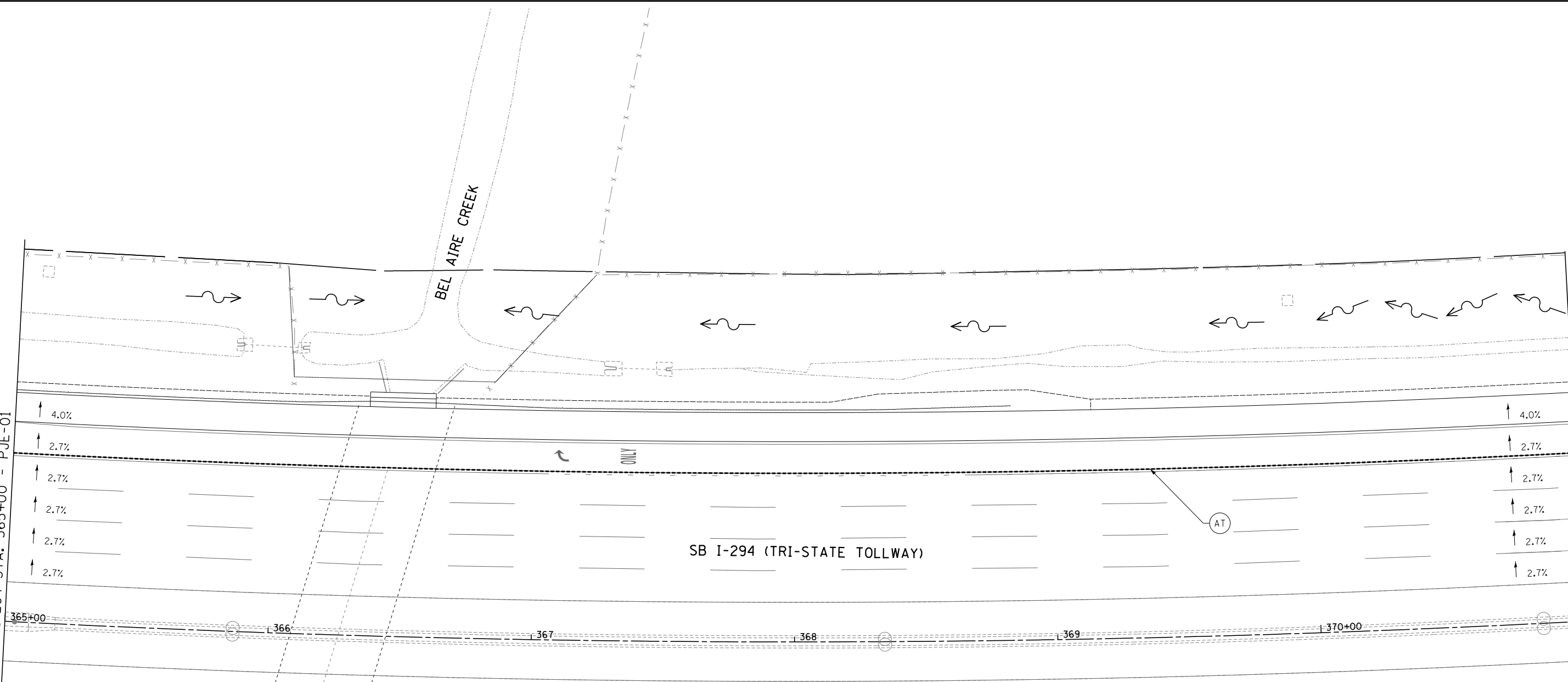
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PAVEMENT JOINTING AND
ELEVATION PLANS

SHEET PJE-01
125 OF 606

MATCHLINE I-294 STA. 365+00 - PJE-01

MATCHLINE I-294 STA. 371+00 - PJE-03



NOTES:

PAVEMENT ELEVATIONS AT 25' SPACING ALONG THE BASELINES ARE PROVIDED ON THE PROFILE SHEETS. ADDITIONAL ELEVATIONS TO MATCH EXISTING OR IN GORE AREAS ARE DEPICTED WHERE APPLICABLE.

THE DIMENSIONS FOR THE PAVEMENT JOINTS ARE BASED ON THE CENTER LINE DISTANCE BETWEEN THE JOINTS.

ALL DEFORMED TIE BARS SHALL BE EPOXY COATED, UNLESS NOTED OTHERWISE.

FOR JOINT DETAILS SEE IDOT STD 420001 & BD49 AND ISTHA STD A7.

PGL FOR NB & SB I-57 PROFILES IS LOCATED 56' RT OR LT, RESPECTIVELY, FROM I-57 CL.

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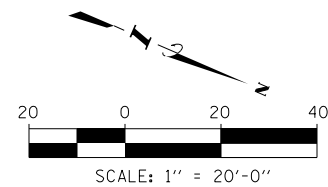
CONTRACTOR TO SMOOTHLY TRANSITION BETWEEN PROPOSED SPOT GRADES AND CROSS SLOPES.

PAVEMENT TYPES AND DRAINAGE STRUCTURES SHOWN FOR REFERENCE ONLY. SEE PROPOSED AND DRAINAGE PLANS RESPECTIVELY FOR MORE INFORMATION.

CONTRACTOR SHALL ADJUST LOCATION OF TRANSVERSE CONTRACTION JOINTS IN PROPOSED PAVEMENT TO ALIGN WITH TRANSVERSE CONTRACTION JOINTS IN ADJACENT EXISTING PAVEMENT.

LEGEND:

- + (XXX.XX) EXISTING SPOT ELEVATION (CONTRACTOR TO VERIFY)
 - +XXX.XX PROPOSED SPOT ELEVATION
 - (X.X%) EXISTING CROSS SLOPE
 - X.X% PROPOSED CROSS SLOPE
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 - (B) LONGITUDINAL CONSTRUCTION OR SAWED JOINT PER IDOT STD 420001, IDOT D1 STD BD49, OR ISTHA STD A12-A14 (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)
 - (C) LONGITUDINAL SAWED JOINT PER IDOT STD 420001 AND IDOT STD BD49 (INCLUDED IN THE COST OF PCC SHOULDERS OR JOINTED PCC PAVEMENT)
 - (D) TRANSVERSE CONTRACTION JOINT PER IDOT STD 420001 (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)
 - (E) TRANSVERSE EXPANSION JOINT WITH EPOXY COATED DOWEL BARS PER STD. 420001 (IDOT) OR A7 (ISTHA) (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT OR PCC BRIDGE CONNECTOR PAVEMENT)
 - (F) LONGITUDINAL KEYED JOINT, PER STD. 420001 (INCLUDED IN THE COST OF PCC SHOULDERS)
- (AT) - INDICATES ISTHA STD TO BE USED



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DRAWN BY . . . MPG DATE . . . 4-3-2020
 CHECKED BY SCALE . . . 1"=20'

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 PAVEMENT JOINTING AND
 ELEVATION PLANS

SHEET PJE-02
 126 OF 606

NOTES:

PAVEMENT ELEVATIONS AT 25' SPACING ALONG THE BASELINES ARE PROVIDED ON THE PROFILE SHEETS. ADDITIONAL ELEVATIONS TO MATCH EXISTING OR IN GORE AREAS ARE DEPICTED WHERE APPLICABLE.

THE DIMENSIONS FOR THE PAVEMENT JOINTS ARE BASED ON THE CENTER LINE DISTANCE BETWEEN THE JOINTS.

ALL DEFORMED TIE BARS SHALL BE EPOXY COATED, UNLESS NOTED OTHERWISE.

FOR JOINT DETAILS SEE IDOT STD 420001 & BD49 AND ISTHA STD A7.

PGL FOR NB & SB I-57 PROFILES IS LOCATED 56' RT OR LT, RESPECTIVELY, FROM I-57 CL.

ALL SPOT ELEVATIONS ARE PAVEMENT GRADES UNLESS OTHERWISE NOTED.

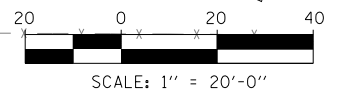
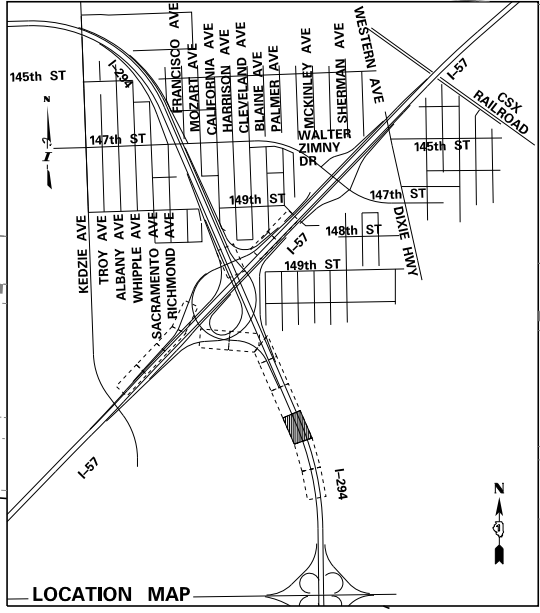
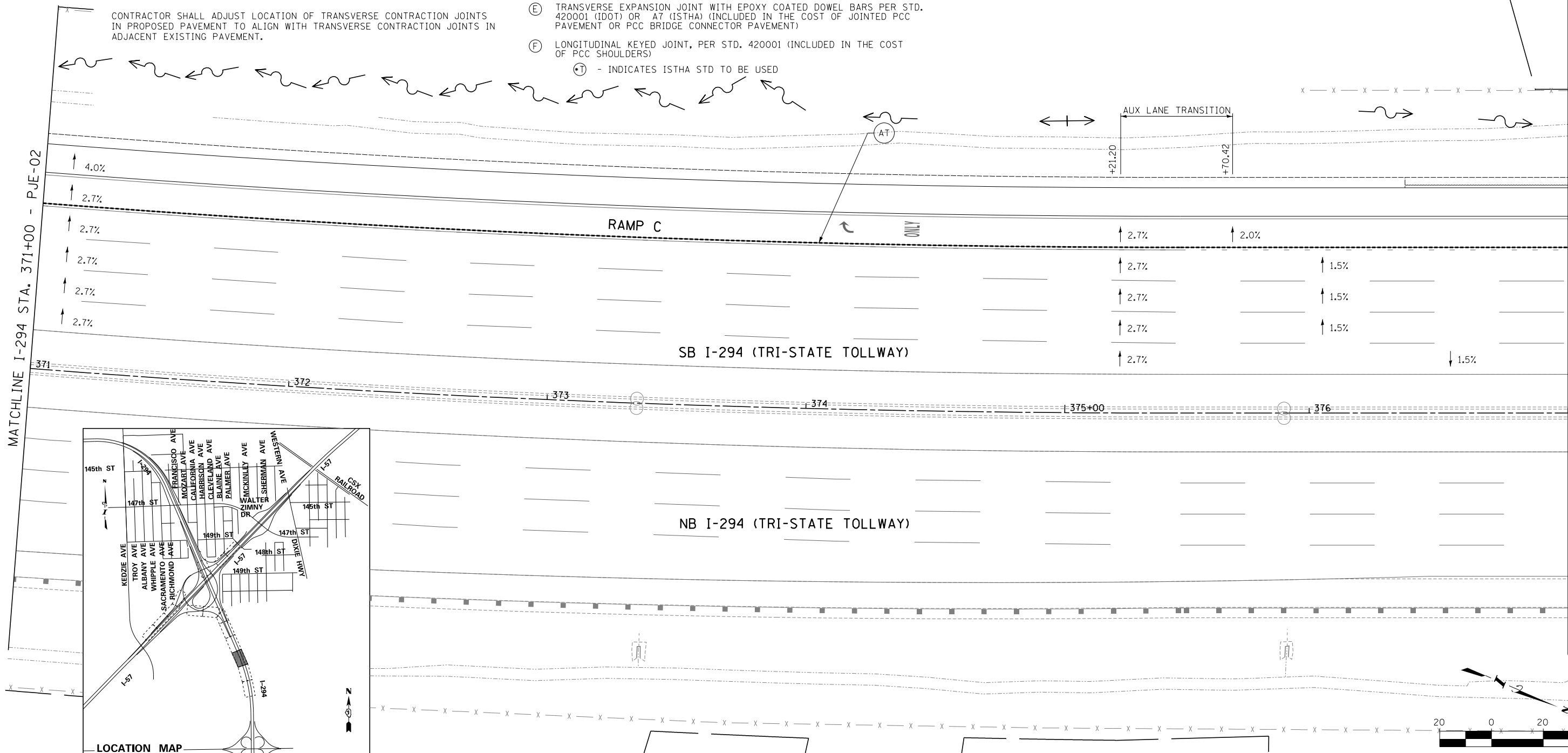
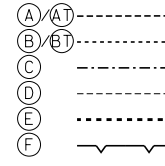
CONTRACTOR TO SMOOTHLY TRANSITION BETWEEN PROPOSED SPOT GRADES AND CROSS SLOPES.

PAVEMENT TYPES AND DRAINAGE STRUCTURES SHOWN FOR REFERENCE ONLY. SEE PROPOSED AND DRAINAGE PLANS RESPECTIVELY FOR MORE INFORMATION.

CONTRACTOR SHALL ADJUST LOCATION OF TRANSVERSE CONTRACTION JOINTS IN PROPOSED PAVEMENT TO ALIGN WITH TRANSVERSE CONTRACTION JOINTS IN ADJACENT EXISTING PAVEMENT.

LEGEND:

- +XXXX.XX) EXISTING SPOT ELEVATION (CONTRACTOR TO VERIFY)
- +XXX.XX PROPOSED SPOT ELEVATION
- (X.X%) EXISTING CROSS SLOPE
- X.X % PROPOSED CROSS SLOPE
- (A) LONGITUDINAL CONSTRUCTION JOINT WITH EPOXY COATED TIE BARS DRILLED AND GROUTED INTO EXISTING PAVEMENT PER IDOT STD 420001 OR STD A12-A14 (INCLUDED IN THE COST OF THE ADJACENT CRC OR JOINTED PCC PAVEMENT)
- (B) LONGITUDINAL CONSTRUCTION OR SAWED JOINT PER IDOT STD 420001, IDOT D1 STD BD49, OR ISTHA STD A12-A14 (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)
- (C) LONGITUDINAL SAWED JOINT PER IDOT STD 420001 AND IDOT STD BD49 (INCLUDED IN THE COST OF PCC SHOULDERS OR JOINTED PCC PAVEMENT)
- (D) TRANSVERSE CONTRACTION JOINT PER IDOT STD 420001 (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)
- (E) TRANSVERSE EXPANSION JOINT WITH EPOXY COATED DOWEL BARS PER STD. 420001 (IDOT) OR A7 (ISTHA) (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT OR PCC BRIDGE CONNECTOR PAVEMENT)
- (F) LONGITUDINAL KEYED JOINT, PER STD. 420001 (INCLUDED IN THE COST OF PCC SHOULDERS)
- (+T) - INDICATES ISTHA STD TO BE USED



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DRAWN BY	DATE
CHECKED BY	SCALE

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PAVEMENT JOINTING AND
ELEVATION PLANS

SHEET PJE-03
127 OF 606

NOTES:

PAVEMENT ELEVATIONS AT 25' SPACING ALONG THE BASELINES ARE PROVIDED ON THE PROFILE SHEETS. ADDITIONAL ELEVATIONS TO MATCH EXISTING OR IN GORE AREAS ARE DEPICTED WHERE APPLICABLE.

THE DIMENSIONS FOR THE PAVEMENT JOINTS ARE BASED ON THE CENTER LINE DISTANCE BETWEEN THE JOINTS.

ALL DEFORMED TIE BARS SHALL BE EPOXY COATED, UNLESS NOTED OTHERWISE.

FOR JOINT DETAILS SEE IDOT STD 420001 & BD49 AND ISTHA STD A7.

PGL FOR NB & SB I-57 PROFILES IS LOCATED 56' RT OR LT, RESPECTIVELY, FROM I-57 CL.

ALL SPOT ELEVATIONS ARE PAVEMENT GRADES UNLESS OTHERWISE NOTED.

CONTRACTOR TO SMOOTHLY TRANSITION BETWEEN PROPOSED SPOT GRADES AND CROSS SLOPES.

PAVEMENT TYPES AND DRAINAGE STRUCTURES SHOWN FOR REFERENCE ONLY. SEE PROPOSED AND DRAINAGE PLANS RESPECTIVELY FOR MORE INFORMATION.

CONTRACTOR SHALL ADJUST LOCATION OF TRANSVERSE CONTRACTION JOINTS IN PROPOSED PAVEMENT TO ALIGN WITH TRANSVERSE CONTRACTION JOINTS IN ADJACENT EXISTING PAVEMENT.

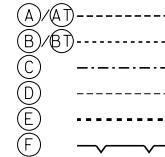
LEGEND:

+XXXX.XX EXISTING SPOT ELEVATION (CONTRACTOR TO VERIFY)

+XXX.XX PROPOSED SPOT ELEVATION

(X.X%) EXISTING CROSS SLOPE

X.X % PROPOSED CROSS SLOPE



(A) LONGITUDINAL CONSTRUCTION JOINT WITH EPOXY COATED TIE BARS DRILLED AND GROUTED INTO EXISTING PAVEMENT PER IDOT STD 420001 OR STD A12-A14 (INCLUDED IN THE COST OF THE ADJACENT CRC OR JOINTED PCC PAVEMENT)

(B) LONGITUDINAL CONSTRUCTION OR SAWED JOINT PER IDOT STD 420001, IDOT D1 STD BD49, OR ISTHA STD A12-A14 (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)

(C) LONGITUDINAL SAWED JOINT PER IDOT STD 420001 AND IDOT STD BD49 (INCLUDED IN THE COST OF PCC SHOULDERS OR JOINTED PCC PAVEMENT)

(D) TRANSVERSE CONTRACTION JOINT PER IDOT STD 420001 (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)

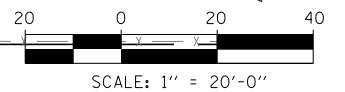
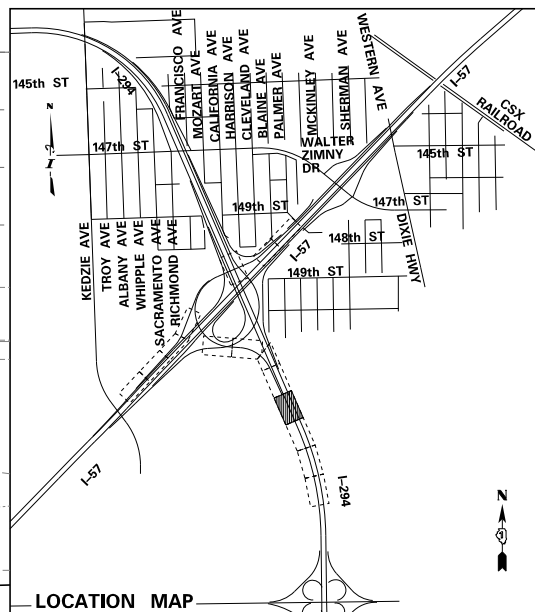
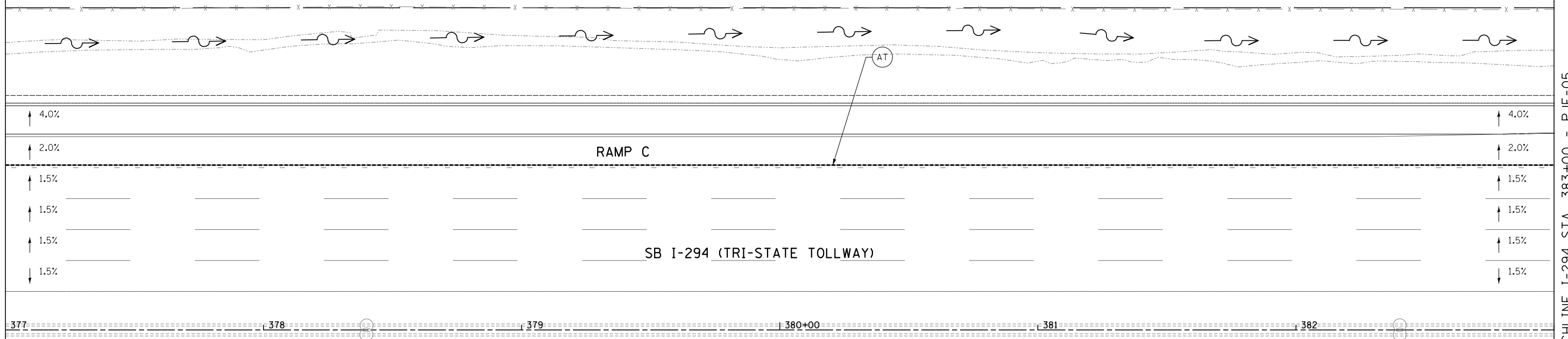
(E) TRANSVERSE EXPANSION JOINT WITH EPOXY COATED DOWEL BARS PER STD. 420001 (IDOT) OR A7 (ISTHA) (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT OR PCC BRIDGE CONNECTOR PAVEMENT)

(F) LONGITUDINAL KEYED JOINT, PER STD. 420001 (INCLUDED IN THE COST OF PCC SHOULDERS)

(T) - INDICATES ISTHA STD TO BE USED

MATCHLINE I-294 STA. 377+00 - PJE-03

MATCHLINE I-294 STA. 383+00 - PJE-05



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CHECKED BY

DATE *4-3-2020*
SCALE *1"=20'*

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PAVEMENT JOINTING AND
ELEVATION PLANS

SHEET *PJE-04*
128 OF **606**

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NOTES:

PAVEMENT ELEVATIONS AT 25' SPACING ALONG THE BASELINES ARE PROVIDED ON THE PROFILE SHEETS. ADDITIONAL ELEVATIONS TO MATCH EXISTING OR IN GORE AREAS ARE DEPICTED WHERE APPLICABLE.

THE DIMENSIONS FOR THE PAVEMENT JOINTS ARE BASED ON THE CENTER LINE DISTANCE BETWEEN THE JOINTS.

ALL DEFORMED TIE BARS SHALL BE EPOXY COATED, UNLESS NOTED OTHERWISE.

FOR JOINT DETAILS SEE IDOT STD 420001 & BD49 AND ISTHA STD A7.

PGL FOR NB & SB I-57 PROFILES IS LOCATED 56' RT OR LT, RESPECTIVELY, FROM I-57 CL.

ALL SPOT ELEVATIONS ARE PAVEMENT GRADES UNLESS OTHERWISE NOTED.

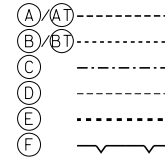
CONTRACTOR TO SMOOTHLY TRANSITION BETWEEN PROPOSED SPOT GRADES AND CROSS SLOPES.

PAVEMENT TYPES AND DRAINAGE STRUCTURES SHOWN FOR REFERENCE ONLY. SEE PROPOSED AND DRAINAGE PLANS RESPECTIVELY FOR MORE INFORMATION.

CONTRACTOR SHALL ADJUST LOCATION OF TRANSVERSE CONTRACTION JOINTS IN PROPOSED PAVEMENT TO ALIGN WITH TRANSVERSE CONTRACTION JOINTS IN ADJACENT EXISTING PAVEMENT.

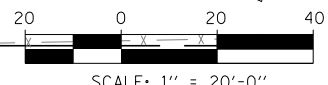
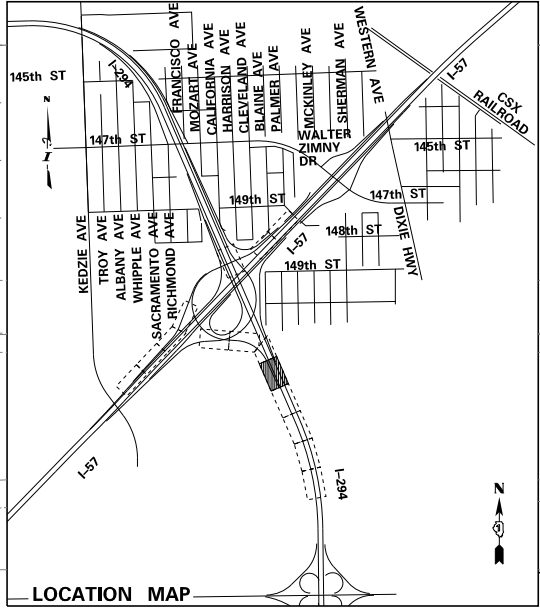
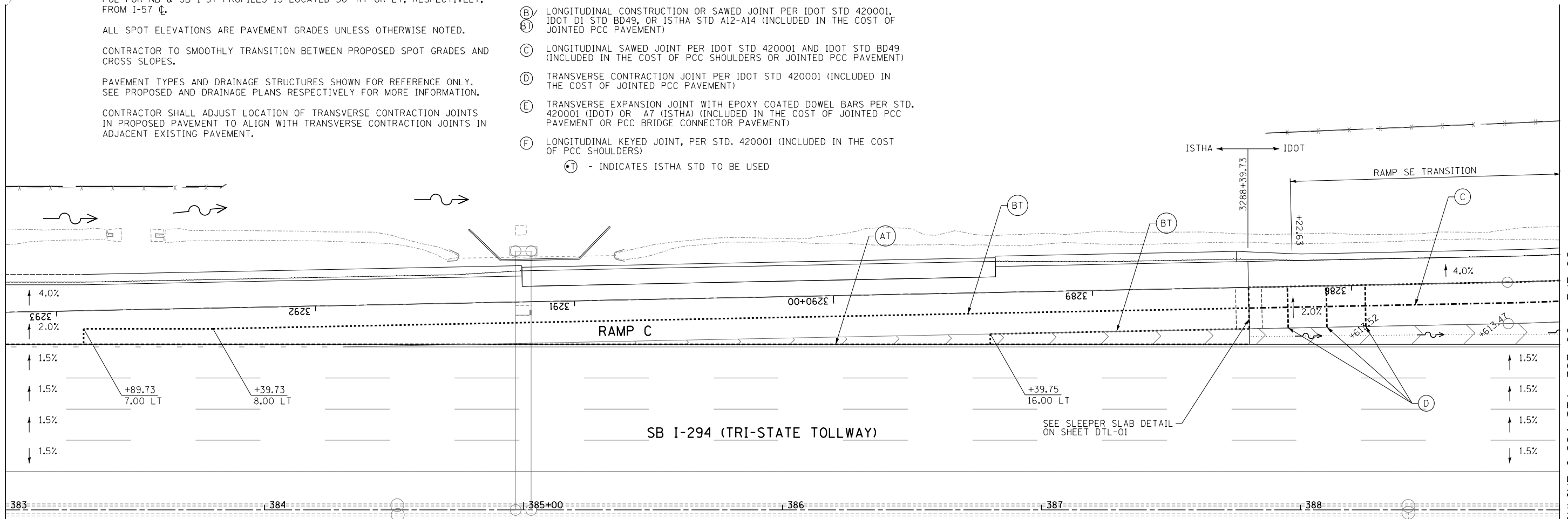
LEGEND:

- +XXX.XX) EXISTING SPOT ELEVATION (CONTRACTOR TO VERIFY)
- +XXX.XX PROPOSED SPOT ELEVATION
- (X.X%) EXISTING CROSS SLOPE
- X.X % PROPOSED CROSS SLOPE
- (A) LONGITUDINAL CONSTRUCTION JOINT WITH EPOXY COATED TIE BARS DRILLED AND GROUTED INTO EXISTING PAVEMENT PER IDOT STD 420001 OR STD A12-A14 (INCLUDED IN THE COST OF THE ADJACENT CRC OR JOINTED PCC PAVEMENT)
- (B) LONGITUDINAL CONSTRUCTION OR SAWED JOINT PER IDOT STD 420001, IDOT D1 STD BD49, OR ISTHA STD A12-A14 (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)
- (C) LONGITUDINAL SAWED JOINT PER IDOT STD 420001 AND IDOT STD BD49 (INCLUDED IN THE COST OF PCC SHOULDERS OR JOINTED PCC PAVEMENT)
- (D) TRANSVERSE CONTRACTION JOINT PER IDOT STD 420001 (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)
- (E) TRANSVERSE EXPANSION JOINT WITH EPOXY COATED DOWEL BARS PER STD. 420001 (IDOT) OR A7 (ISTHA) (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT OR PCC BRIDGE CONNECTOR PAVEMENT)
- (F) LONGITUDINAL KEYED JOINT, PER STD. 420001 (INCLUDED IN THE COST OF PCC SHOULDERS)
- (T) - INDICATES ISTHA STD TO BE USED



MATCHLINE I-294 STA. 383+00 - PJE-04

MATCHLINE I-294 STA. 383+00 - PJE-06



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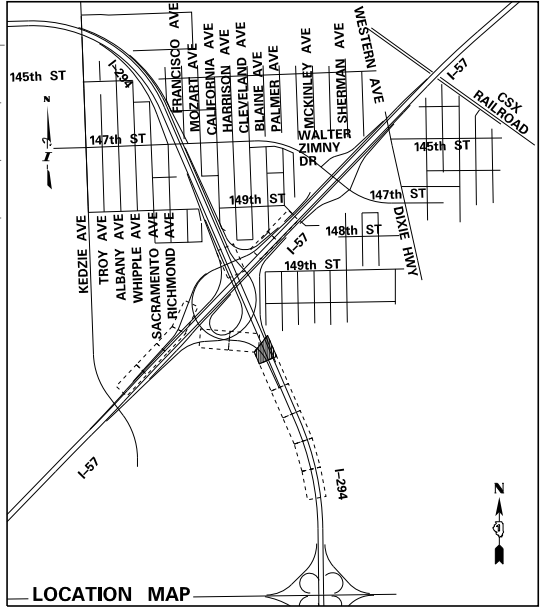
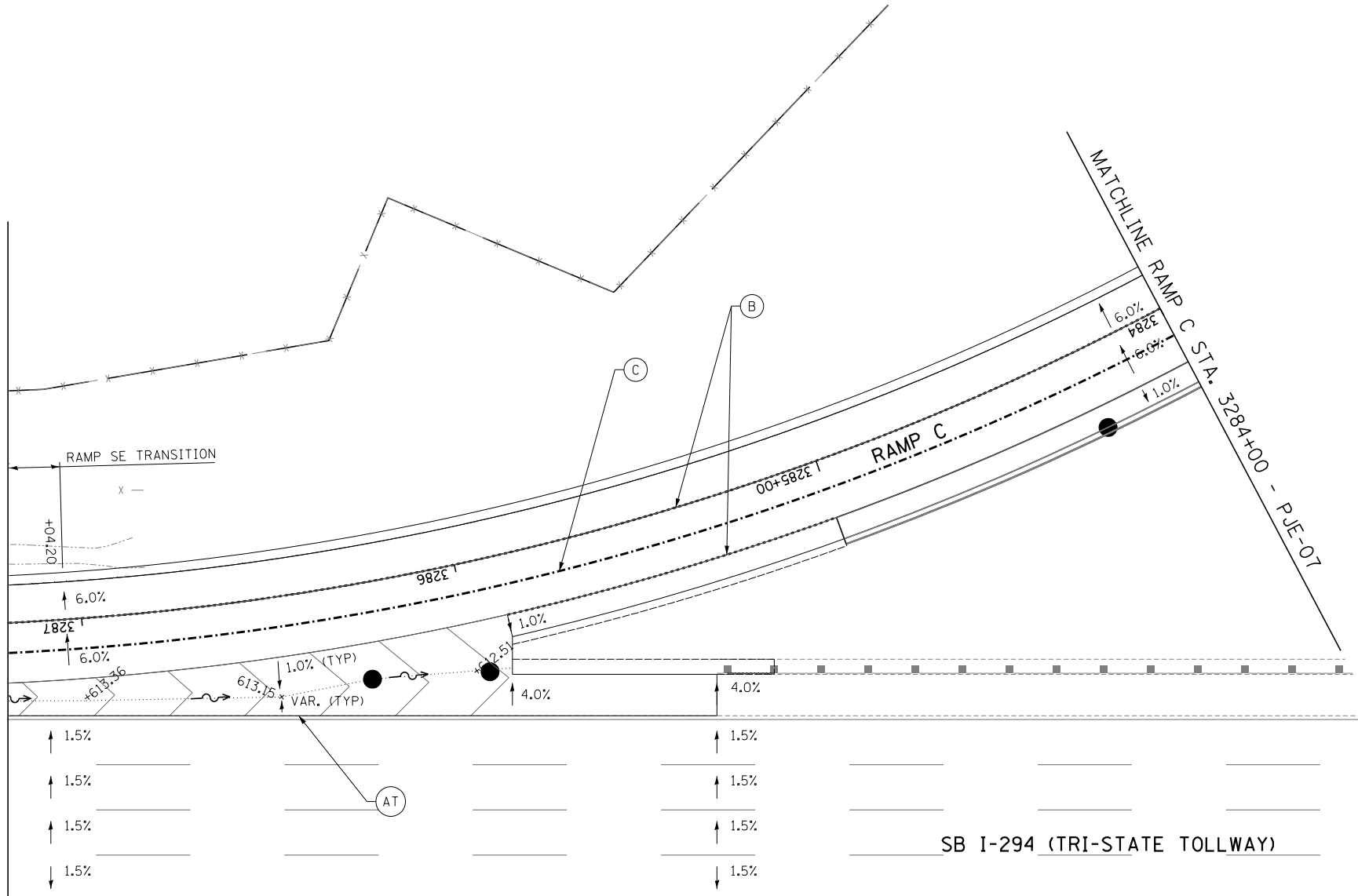
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PAVEMENT JOINTING AND
ELEVATION PLANS

SHEET PJE-05
129 OF 606

MATCHLINE I-294 STA. 383+00 - PJE-05



NOTES:

PAVEMENT ELEVATIONS AT 25' SPACING ALONG THE BASELINES ARE PROVIDED ON THE PROFILE SHEETS. ADDITIONAL ELEVATIONS TO MATCH EXISTING OR IN GORE AREAS ARE DEPICTED WHERE APPLICABLE.

THE DIMENSIONS FOR THE PAVEMENT JOINTS ARE BASED ON THE CENTER LINE DISTANCE BETWEEN THE JOINTS.

ALL DEFORMED TIE BARS SHALL BE EPOXY COATED, UNLESS NOTED OTHERWISE.

FOR JOINT DETAILS SEE IDOT STD 420001 & BD49 AND ISTHA STD A7.

PGL FOR NB & SB I-57 PROFILES IS LOCATED 56' RT OR LT, RESPECTIVELY, FROM I-57 CL.

ALL SPOT ELEVATIONS ARE PAVEMENT GRADES UNLESS OTHERWISE NOTED.

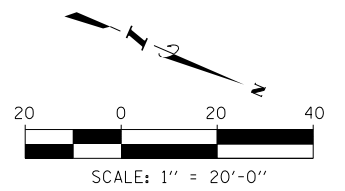
CONTRACTOR TO SMOOTHLY TRANSITION BETWEEN PROPOSED SPOT GRADES AND CROSS SLOPES.

PAVEMENT TYPES AND DRAINAGE STRUCTURES SHOWN FOR REFERENCE ONLY. SEE PROPOSED AND DRAINAGE PLANS RESPECTIVELY FOR MORE INFORMATION.

CONTRACTOR SHALL ADJUST LOCATION OF TRANSVERSE CONTRACTION JOINTS IN PROPOSED PAVEMENT TO ALIGN WITH TRANSVERSE CONTRACTION JOINTS IN ADJACENT EXISTING PAVEMENT.

LEGEND:

- +XXX.XX) EXISTING SPOT ELEVATION (CONTRACTOR TO VERIFY)
- +XXX.XX PROPOSED SPOT ELEVATION
- (X.X%) EXISTING CROSS SLOPE
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- (AT) LONGITUDINAL CONSTRUCTION OR SAWED JOINT PER IDOT STD 420001, IDOT D1 STD BD49, OR ISTHA STD A12-A14 (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)
- (B) LONGITUDINAL CONSTRUCTION OR SAWED JOINT PER IDOT STD 420001, IDOT D1 STD BD49, OR ISTHA STD A12-A14 (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)
- (BT) LONGITUDINAL CONSTRUCTION OR SAWED JOINT PER IDOT STD 420001, IDOT D1 STD BD49, OR ISTHA STD A12-A14 (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)
- (C) LONGITUDINAL SAWED JOINT PER IDOT STD 420001 AND IDOT STD BD49 (INCLUDED IN THE COST OF PCC SHOULDERS OR JOINTED PCC PAVEMENT)
- (D) TRANSVERSE CONTRACTION JOINT PER IDOT STD 420001 (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)
- (E) TRANSVERSE EXPANSION JOINT WITH EPOXY COATED DOWEL BARS PER STD. 420001 (IDOT) OR A7 (ISTHA) (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT OR PCC BRIDGE CONNECTOR PAVEMENT)
- (F) LONGITUDINAL KEYED JOINT, PER STD. 420001 (INCLUDED IN THE COST OF PCC SHOULDERS)
- (T) - INDICATES ISTHA STD TO BE USED



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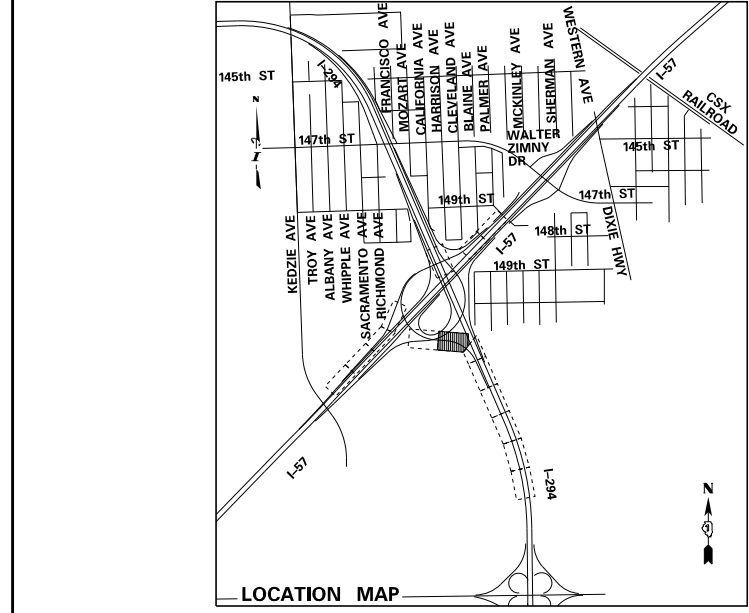
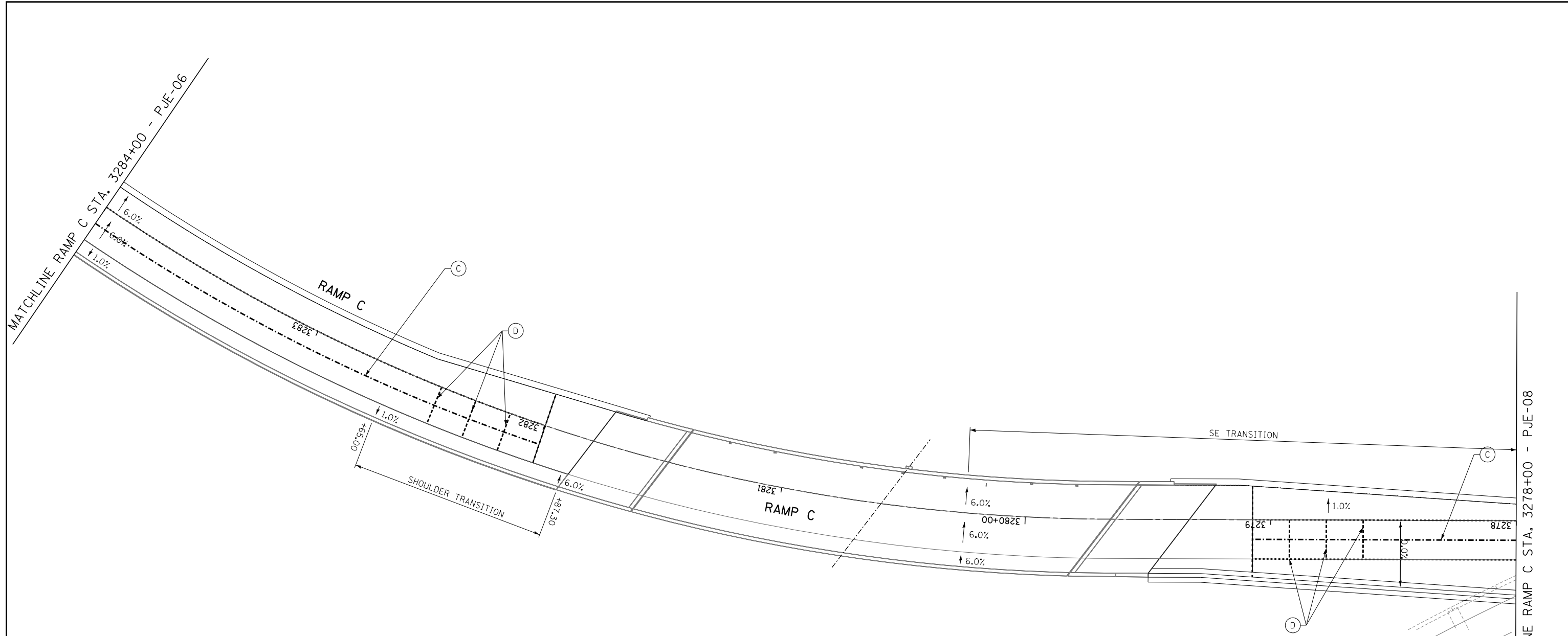


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PAVEMENT JOINTING AND
ELEVATION PLANS

SHEET PJE-06
130 OF 606



NOTES:

PAVEMENT ELEVATIONS AT 25' SPACING ALONG THE BASELINES ARE PROVIDED ON THE PROFILE SHEETS. ADDITIONAL ELEVATIONS TO MATCH EXISTING OR IN GORE AREAS ARE DEPICTED WHERE APPLICABLE.

THE DIMENSIONS FOR THE PAVEMENT JOINTS ARE BASED ON THE CENTER LINE DISTANCE BETWEEN THE JOINTS.

ALL DEFORMED TIE BARS SHALL BE EPOXY COATED, UNLESS NOTED OTHERWISE.

FOR JOINT DETAILS SEE IDOT STD 420001 & BD49 AND ISTHA STD A7.

PGL FOR NB & SB I-57 PROFILES IS LOCATED 56' RT OR LT, RESPECTIVELY, FROM I-57 CL.

ALL SPOT ELEVATIONS ARE PAVEMENT GRADES UNLESS OTHERWISE NOTED.

CONTRACTOR TO SMOOTHLY TRANSITION BETWEEN PROPOSED SPOT GRADES AND CROSS SLOPES.

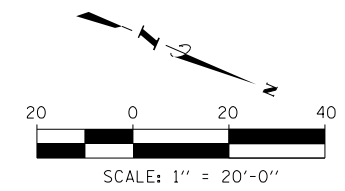
PAVEMENT TYPES AND DRAINAGE STRUCTURES SHOWN FOR REFERENCE ONLY. SEE PROPOSED AND DRAINAGE PLANS RESPECTIVELY FOR MORE INFORMATION.

CONTRACTOR SHALL ADJUST LOCATION OF TRANSVERSE CONTRACTION JOINTS IN PROPOSED PAVEMENT TO ALIGN WITH TRANSVERSE CONTRACTION JOINTS IN ADJACENT EXISTING PAVEMENT.

LEGEND:

- +XXX.XX) EXISTING SPOT ELEVATION (CONTRACTOR TO VERIFY)
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- (X.X%) EXISTING CROSS SLOPE
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- (F) LONGITUDINAL KEYED JOINT, PER STD. 420001 (INCLUDED IN THE COST OF PCC SHOULDERS)
- (T) - INDICATES ISTHA STD TO BE USED

- (C) SHOULDER CROSS-SLOPE TRANSITION LENGTH 30' 4.0% TO 2.0%
- (H) SHOULDER CROSS-SLOPE TRANSITION LENGTH 50' 4.0% TO 2.0%
- (I) SHOULDER CROSS-SLOPE TRANSITION LENGTH 60' 4.0% TO 2.0%



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CHECKED BY	SCALE . . . 1"=20'

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PAVEMENT JOINTING AND
ELEVATION PLANS

SHEET PJE-07
131 OF 606

NOTES:

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THE DIMENSIONS FOR THE PAVEMENT JOINTS ARE BASED ON THE CENTER LINE DISTANCE BETWEEN THE JOINTS.

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PGL FOR NB & SB I-57 PROFILES IS LOCATED 56' RT OR LT, RESPECTIVELY, FROM I-57 C.

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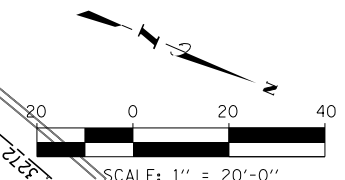
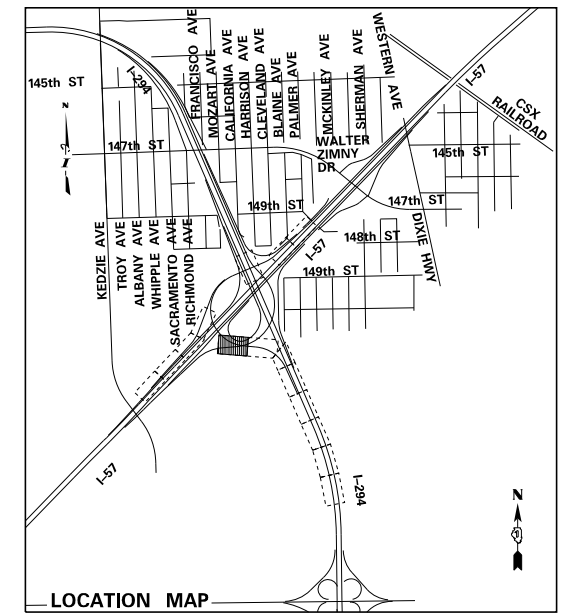
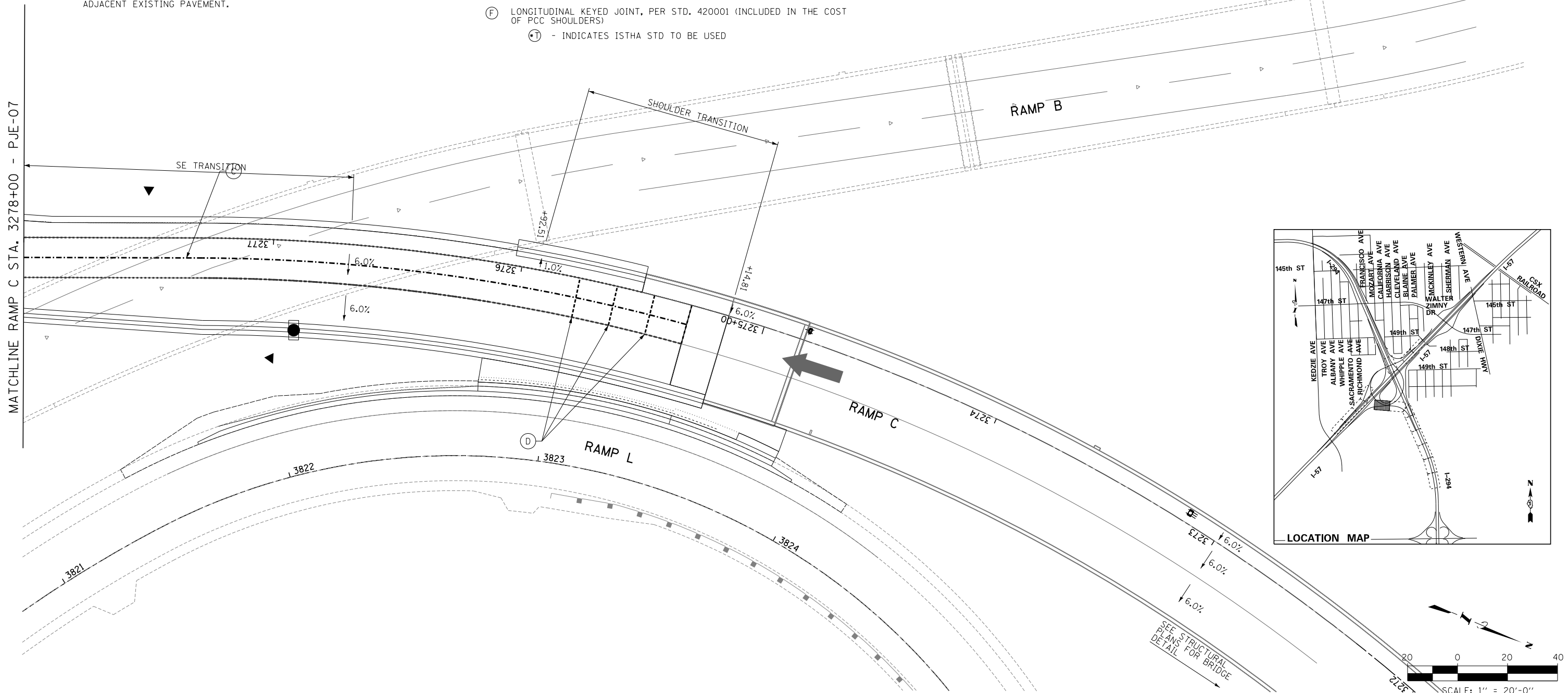
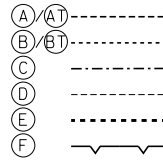
CONTRACTOR TO SMOOTHLY TRANSITION BETWEEN PROPOSED SPOT GRADES AND CROSS SLOPES.

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- (D) TRANSVERSE CONTRACTION JOINT PER IDOT STD 420001 (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT)
- (E) TRANSVERSE EXPANSION JOINT WITH EPOXY COATED DOWEL BARS PER STD. 420001 (IDOT) OR A7 (ISTHA) (INCLUDED IN THE COST OF JOINTED PCC PAVEMENT OR PCC BRIDGE CONNECTOR PAVEMENT)
- (F) LONGITUDINAL KEYED JOINT, PER STD. 420001 (INCLUDED IN THE COST OF PCC SHOULDERS)
- (T) - INDICATES ISTHA STD TO BE USED



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CHECKED BY	SCALE

TYLIN INTERNATIONAL

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 PAVEMENT JOINTING AND
 ELEVATION PLANS

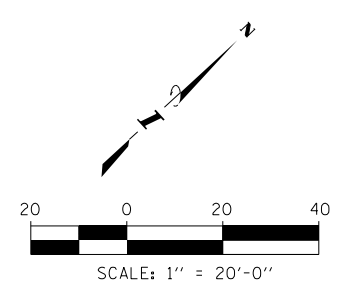
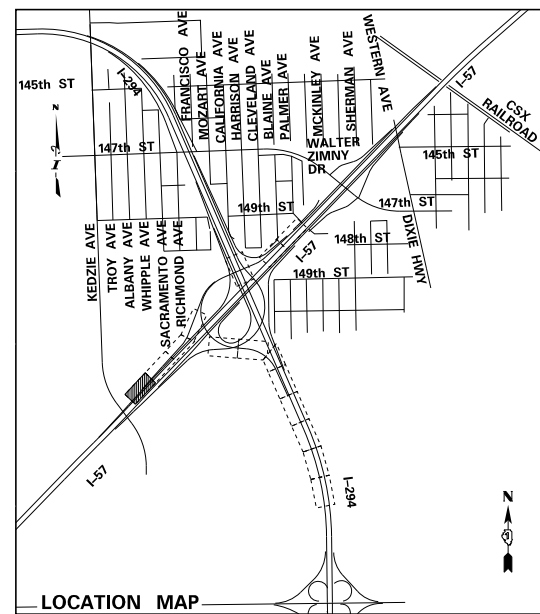
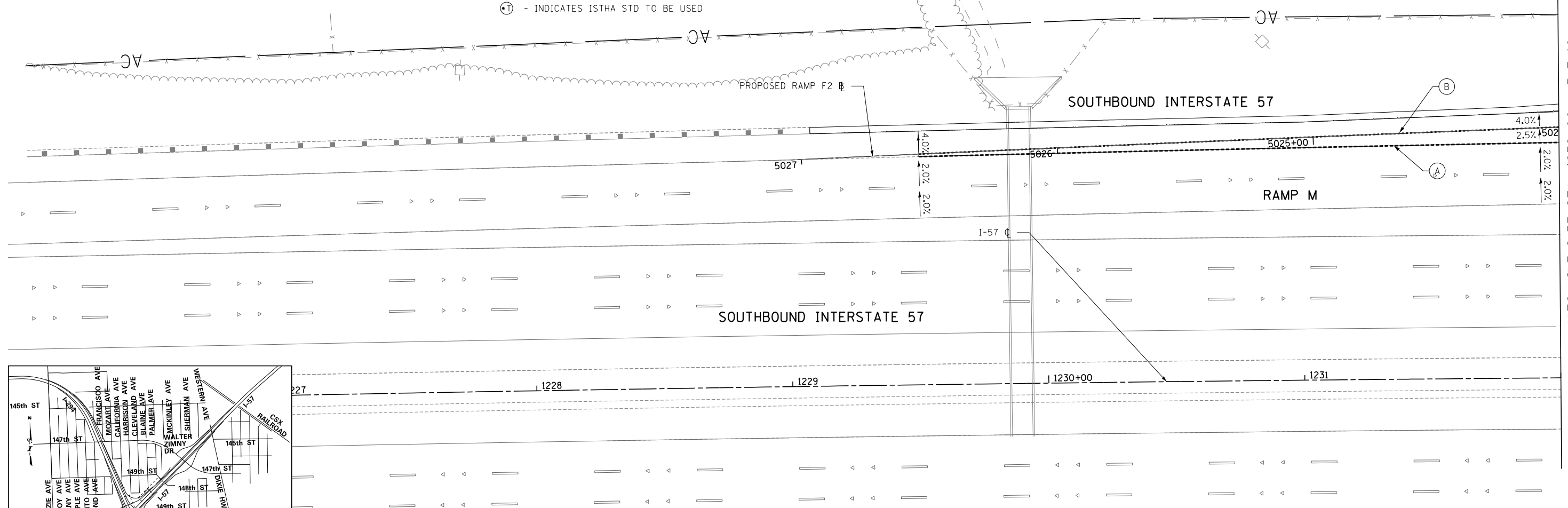
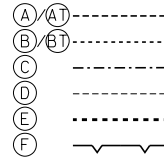
SHEET PJE-08
 132 OF 606

NOTES:

- PAVEMENT ELEVATIONS AT 25' SPACING ALONG THE BASELINES ARE PROVIDED ON THE PROFILE SHEETS. ADDITIONAL ELEVATIONS TO MATCH EXISTING OR IN GORE AREAS ARE DEPICTED WHERE APPLICABLE.
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- FOR JOINT DETAILS SEE IDOT STD 420001 & BD49 AND ISTHA STD A7.
- PGL FOR NB & SB I-57 PROFILES IS LOCATED 56' RT OR LT, RESPECTIVELY, FROM I-57 CL.
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- CONTRACTOR TO SMOOTHLY TRANSITION BETWEEN PROPOSED SPOT GRADES AND CROSS SLOPES.
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- (F) LONGITUDINAL KEYED JOINT, PER STD. 420001 (INCLUDED IN THE COST OF PCC SHOULDERS)
- (T) - INDICATES ISTHA STD TO BE USED



MATCHLINE I-57 STA. 1232+00 - PJE-10

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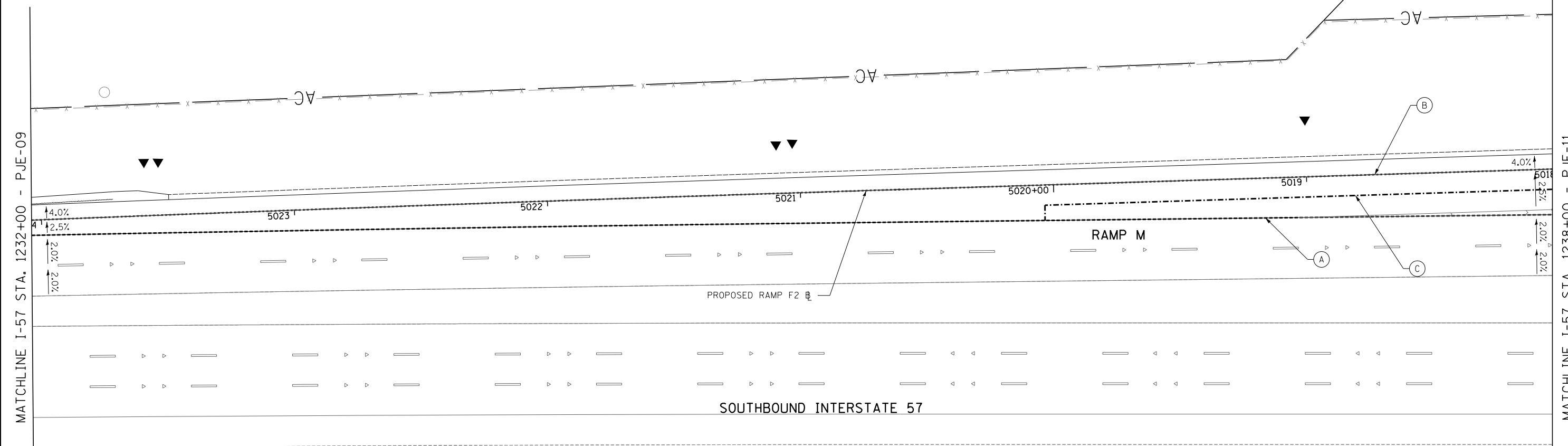
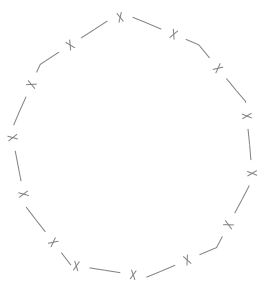
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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

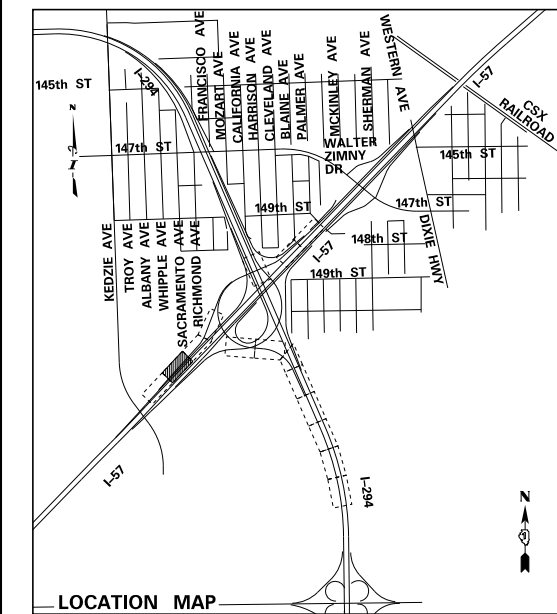
CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 PAVEMENT JOINTING AND
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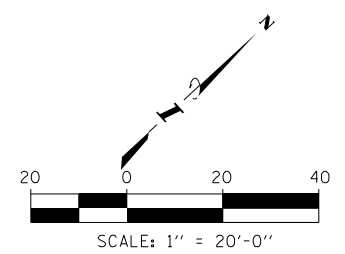
MATCHLINE I-57 STA. 1232+00 - PJE-09

MATCHLINE I-57 STA. 1238+00 - PJE-11



- NOTES:**
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 - (T) - INDICATES ISTHA STD TO BE USED



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 DATE **4-3-2020**
 SCALE **1"=20'**

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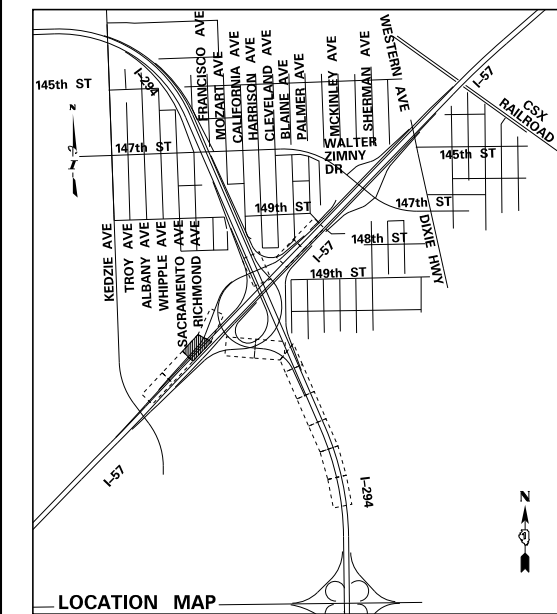
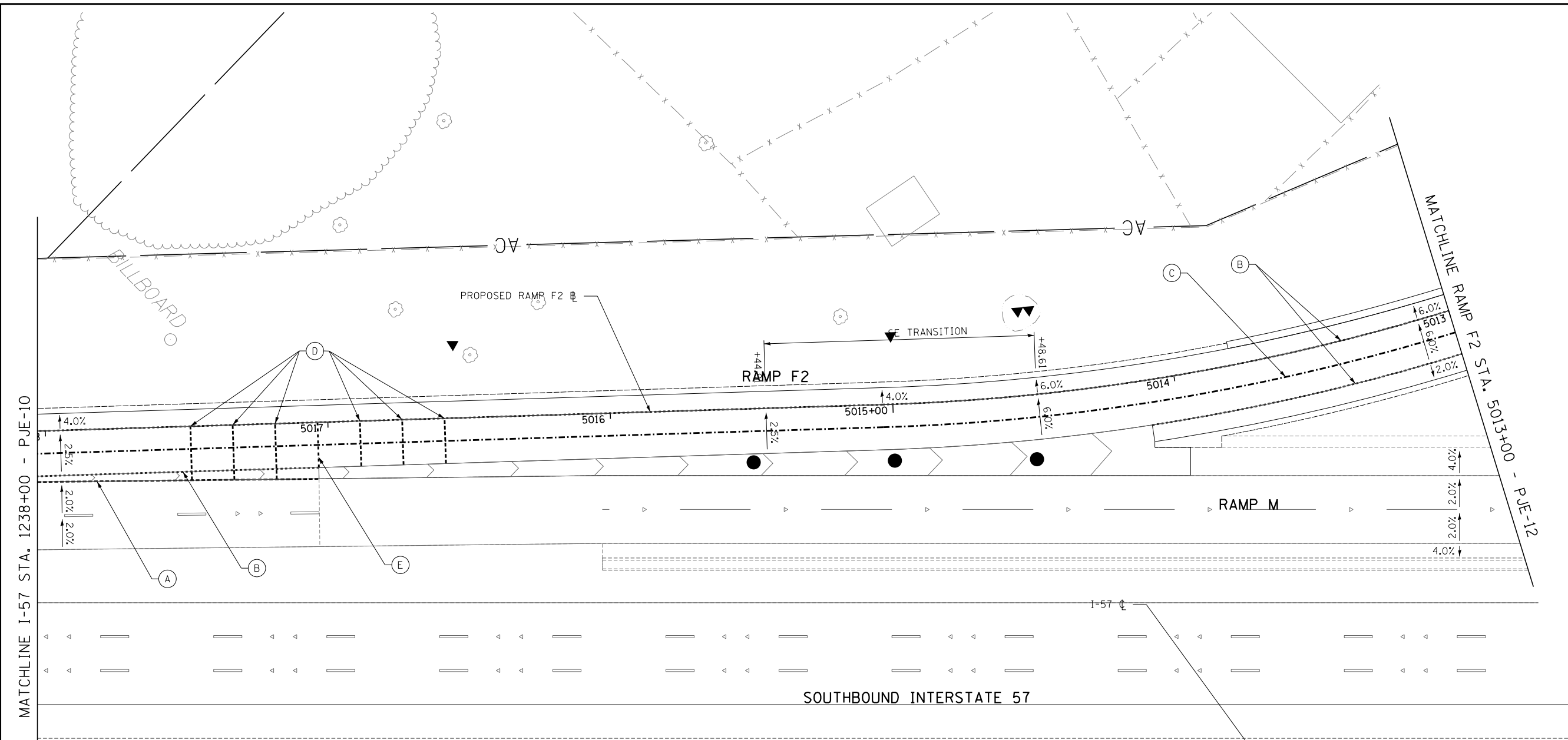
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 PAVEMENT JOINTING AND
 ELEVATION PLANS

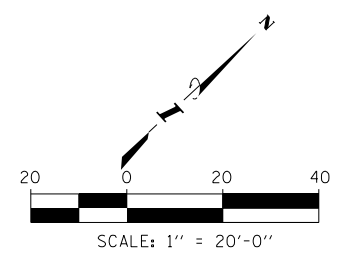
SHEET **PJE-10**
134 OF **606**

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- NOTES:**
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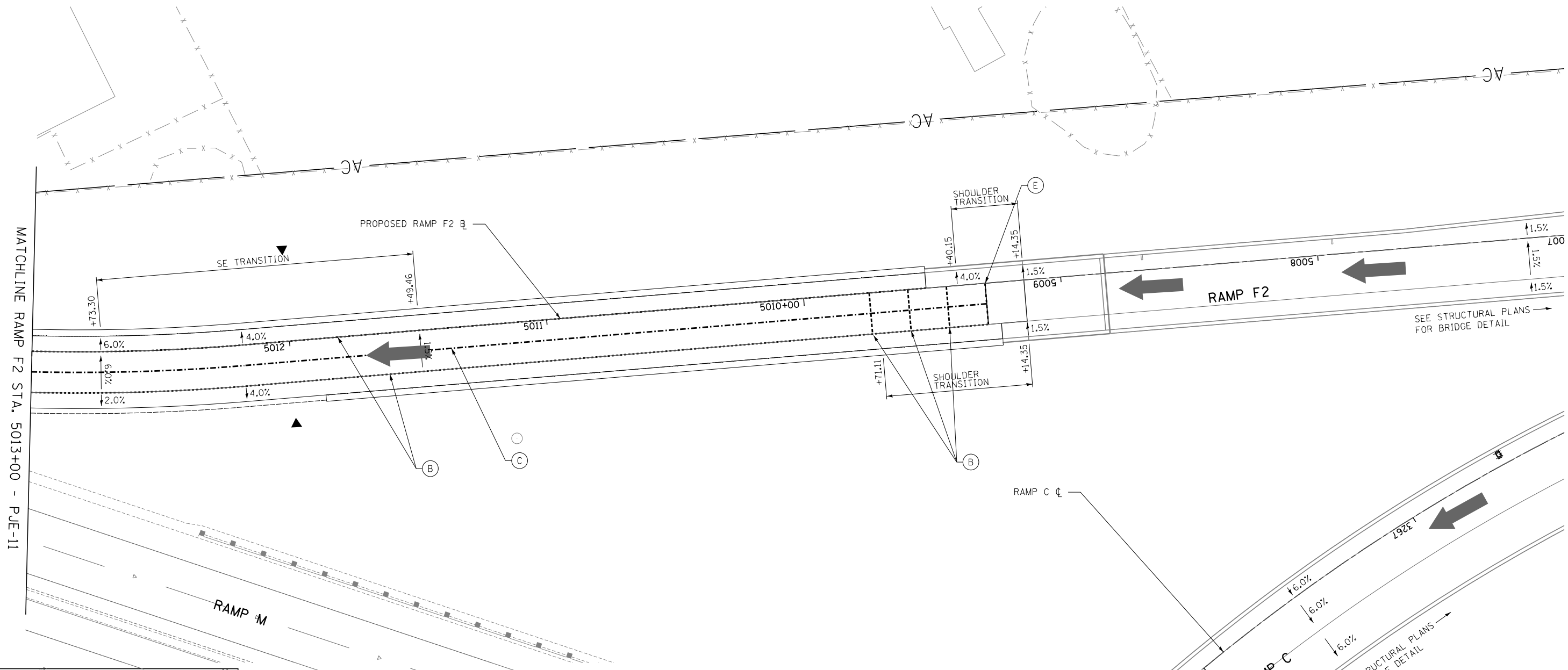
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 PAVEMENT JOINTING AND
 ELEVATION PLANS

SHEET **PJE-11**
135 OF **606**

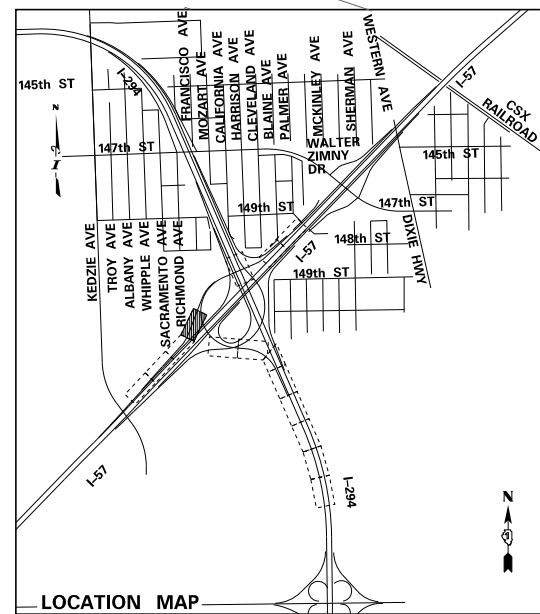
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MATCHLINE RAMP F2 STA. 5013+00 - PJE-11



SEE STRUCTURAL PLANS FOR BRIDGE DETAIL

SEE STRUCTURAL PLANS FOR BRIDGE DETAIL

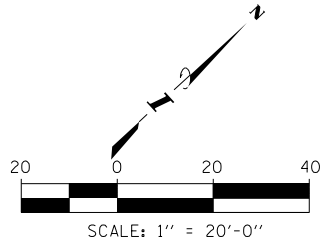


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DATE **4-3-2020**
SCALE **1"=20'**

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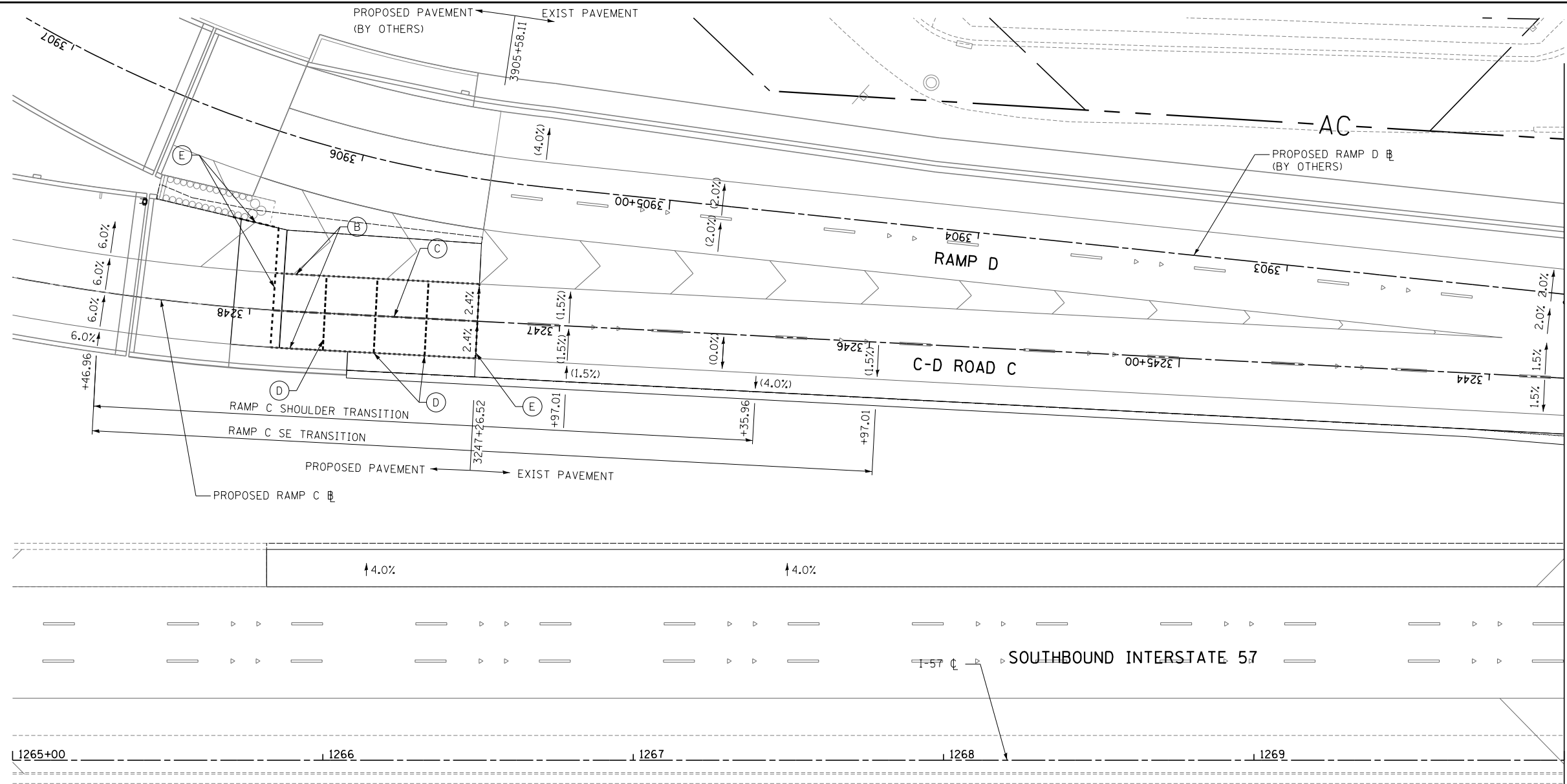
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PAVEMENT JOINTING AND
ELEVATION PLANS

SHEET **PJE-12**
136 OF **606**

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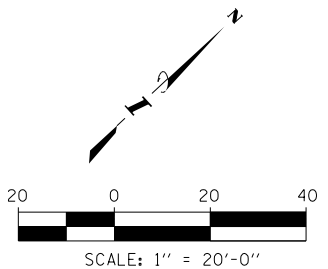
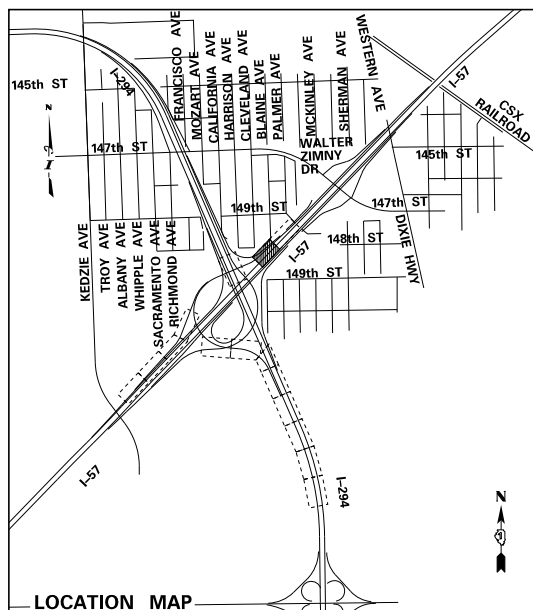
MATCHLINE I-57 STA. 1270+00 - PJE-14

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CHECKED BY		SCALE	1"=20'

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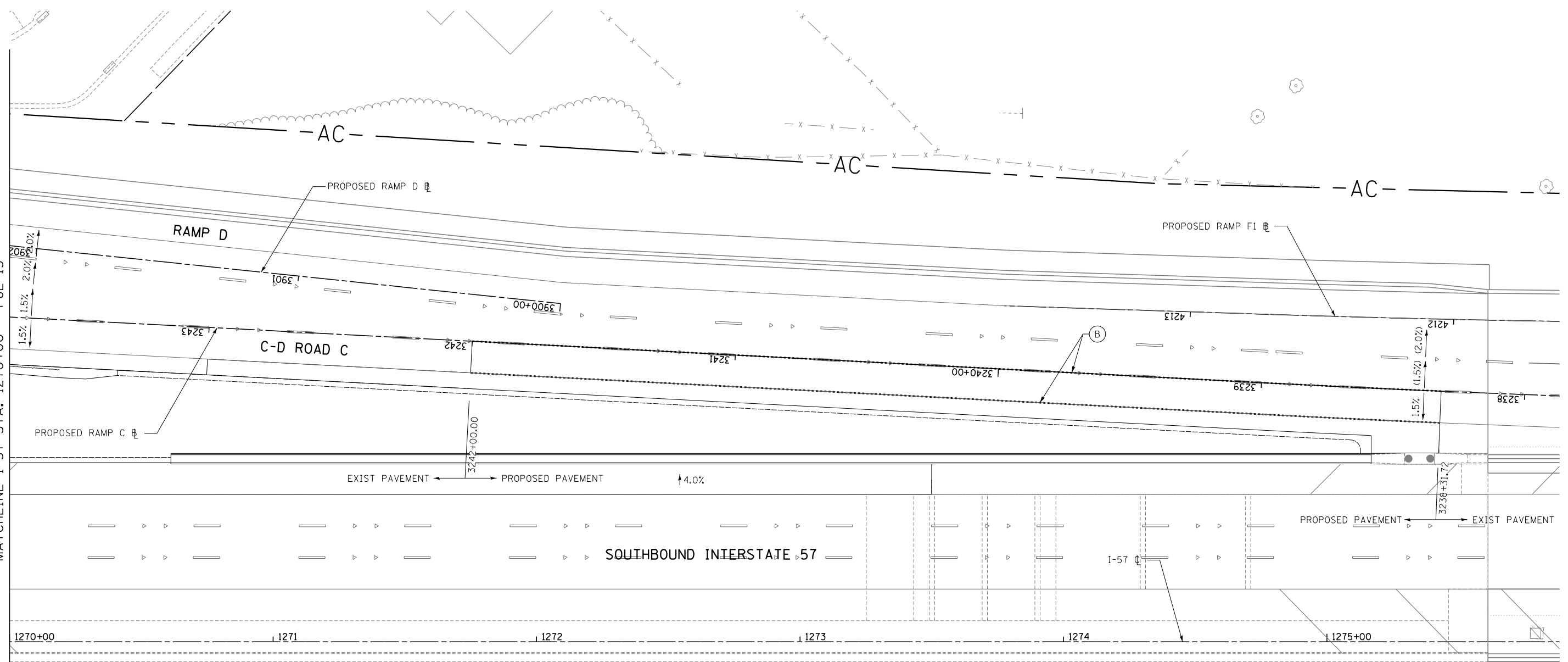
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CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 PAVEMENT JOINTING AND
 ELEVATION PLANS

SHEET PJE-13
 137 OF 606

MATCHLINE I-57 STA. 1270+00 - PJE-13

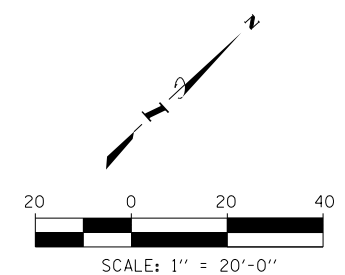
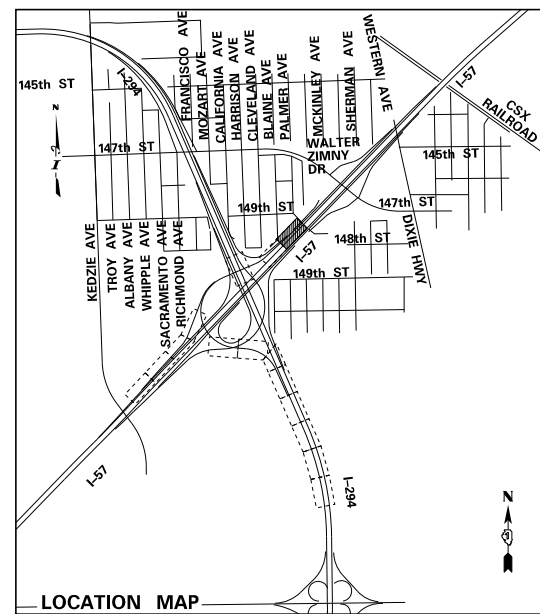


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CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PAVEMENT JOINTING AND
ELEVATION PLANS

SHEET PJE-14
138 OF 606

LOCATION			EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING (POUND)	STONE RIPRAP CLASS A3	FILTER FABRIC	EROSION AND SEDIMENT CONTROL - EXCAVATION (CU YD)	EROSION AND SEDIMENT CONTROL - CLEANOUT (CU YD)	SILT FENCE	RE-ERECT SILT FENCE	STABILIZED CONSTRUCTION ENTRANCE	SUPER SILT FENCE	TEMPORARY RIPRAP	TEMPORARY STABILIZATION WITH STRAW MULCH (ACRE)	SAME-DAY STABILIZATION
BEGIN STATION	END STATION	OFFSET	(SQ YD)	(POUND)	(SQ YD)	(SQ YD)	(CU YD)	(CU YD)	(FOOT)	(FOOT)	(SQ YD)	(FOOT)	(TON)	(ACRE)	(SQ YD)
			25100630	28000250	28100105	28200200	JS280030	JS280040	JS280050	JS280051	JS280070	JS280100	JS280140	JS280150	JS280151
INTERSTATE 294															
359+50	368+00		1,272	131			50	25				105	88		1,272
368+00	382+00		6,415	663											6,415
382+00	3281+00*		5,461	564	54	54					267	298			5,461
SUBTOTAL INTERSTATE 294			13,148	1,358	54	54	50	25			267	403	88		13,149
RAMP C															
3281+00	3267+00		5,236	541	18	18			1,562	312	267	928		1.25	5,236
3267+00	3252+00		1,067	110					2,461	492	267			4.35	984
3252+00	3247+27		1,078	111					221	44		785		0.56	1,078
SUBTOTAL RAMP C			7,382	763	18	18			4,244	849	534	1,713		6.17	7,298
RAMP F2															
5026+54	5025+00						25	13	45	9		132	44	0.05	
5025+00	5011+00				5	5			1,711	343	267			0.95	
SUBTOTAL RAMP F2					5	5	25	13	1,756	352	267	132	44	1.00	
FOR USE AT ENGINEER'S DISCRETION (10%)			2,054	213	8	8	8	4	600	121	107	225	14	0.75	2,045
TOTAL			22,584	2,334	85	85	83	42	6,600	1,322	1,175	2,473	146	8.00	22,492
RECORD QUANTITY															

NOTES: TOTAL AREA TO BE STABILIZED WITH MULCH IS ROUNDED UP TO THE QUARTER ACRE.

RE-ERECT SILT FENCE (JS280051) BASED ON ONE-FIFTH (1/5) THE TOTAL OF SILT FENCE (JS280050).

TEMPORARY EROSION CONTROL SEEDING IS BASED UPON THE ACREAGE (ROUNDED UP) OF SAME-DAY STABILIZATION (JS280151) WITH 100 LBS PER ACRE AND FIVE APPLICATIONS.

* STATION IS OFF OF VEC.C CHAIN.

CULVERT INLET PROTECTION - STONE SCHEDULE							
LOCATION		PIPE WIDTH	DRAINAGE AREA	LENGTH	HEIGHT	RATE	JS280140
STATION	OFFSET	INCH	ACRE	FOOT	FOOT	TONS/CUYD	TEMPORARY RIPRAP TON
RAMP C							
3257+16	111.5' LT	48	31.05	12	3	2	21.3
3256+54	74' RT	36	4.74	10	3	2	17.8
3252+18	49' LT	48	7.71	12	3	2	21.3
FOR USE AT ENGINEER'S DISCRETION (10%)							6.1
TOTAL							67

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CHECKED BY SRB

DATE 3-12-2020
SCALE NOT TO SCALE



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Illinois Professional Design Firm
184-001322



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CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PROPOSED ESC SCHEDULE

SHEET SCH-05
139 OF 606

LOCATION				SUPER SILT FENCE (FOOT) JS280100	RECTANGULAR INLET PROTECTION (EACH) JS280180	FILTER FABRIC INLET PROTECTION, BASKET TYPE (EACH) JS280210	TEMPORARY DITCH CHECKS (FOOT) JS280305	FLOC LOG (EACH) JT280510	IN-LINE FLOCCULATION SYSTEM (EACH) JT280530	SEDIMENT FILTER BAG (EACH) JT280500
ID NUMBER	STATION	OFFSET (FOOT)								
INTERSTATE 294										
	365+20.0	123.5	LT				15	1		1
	365+91.5	113.9	LT						1	
	367+20.4	113.3	LT						1	
	367+93.4	120.3	LT				15			
	368+25.0	120.0	LT				5	1		
	369+00.0	119.0	LT				5	1		
	369+75.0	118.2	LT				5	1		
	370+50.0	117.2	LT				5	1		
	371+25.0	122.2	LT				5	1		
	372+00.0	115.4	LT				5	1		
	372+75.0	122.6	LT				5	1		
	373+50.0	113.6	LT				5	1		
	374+25.0	113.0	LT				5	1		
	375+75.0	116.4	LT				5	1		
	376+50.0	111.0	LT				5	1		
	377+25.0	111.0	LT				5	1		
	378+00.0	111.0	LT				5	1		
	378+75.0	111.0	LT				5	1		
	379+50.0	111.0	LT				5	1		
	380+25.0	111.0	LT				5	1		
	381+00.0	111.0	LT				5	1		
	381+75.0	111.0	LT				5	1		
	382+50.0	113.5	LT				5	1		
	383+25.0	113.5	LT				5	1		
	384+00.0	118.5	LT				5	1		
	384+75.0	120.0	LT				5	1		
	385+50.0	121.0	LT				5	1		
	386+25.0	123.0	LT				5	1		
	389+00.0	110.5	RT				6	1		
	391+00.0	113.5	RT				10	1		
EX STRUCTURE	408+40.0	2.4	RT			1				
EX STRUCTURE	408+40.0	2.3	LT			1				
	408+44.2	167.4	LT	40						
EX CB	408+67.0	74.8	RT			1				
200	410+72.0	2.4	RT			1				
200	410+72.0	2.3	LT			1				
EX CB	410+66.0	74.8	RT			1				
4087-60	416+00	168.46	RT			1				
4087-62	418+00.4	162.1	RT			1				
4087-64	420+00.1	154.78	RT			1				
4087-68	433+25	125.74	RT			1				
SUBTOTAL INTERSTATE 294				40	0	10	166	27	2	1
RAMP C										1
160	3279+40.0	22.8	LT			1				
162	3279+30.0	22.8	LT			1				
166	3276+90.0	35.8	LT			1				
	3281+50.0	78.5	RT				20	1		
	3282+00.0	77.9	RT				20	1		
	3282+75.0	62.1	RT				20	1		
	3283+50.0	39.8	RT				5	1		
	3284+25.0	40.2	RT				5	1		
	3285+00.0	39.7	RT				5	1		
150	3284+26.2	22.0	LT			1			1	
	3284+26.2	22.0	LT						1	
	3285+29.3	30.0	RT	40						
	3285+50.0	41.0	RT			5		1		
154	3285+96.8	29.8	LT			1				
	3286+00.0	40.5	RT			5		1		
156	3286+26.7	25.7	LT			1				
	3286+75.0	40.0	RT			5		1		
	3287+50.0	40.0	RT			5		1		
	3288+25.0	40.0	RT			5		1		
	3289+00.0	40.0	RT			5		1		
	3257+20.7	109.3	LT	40						
	3256+54.7	77.6	RT	40						
	3252+14.7	46.2	LT	40						
EX CB	3247+24.0	44.2	LT		1					
EX CB	3246+24.7	38.8	LT		1					
EX CB	3246+27.2	20.0	RT			1				
EX CB	3246+25.5	61.6	RT			1				
EX CB	3245+08.3	32.9	LT		1					
EX CB	3245+11.0	17.0	RT			1				
EX CB	3245+09.0	54.0	RT			1				
EX CB	3242+99.4	26.0	LT		1					
SUBTOTAL RAMP C				160	4	10	105	12	1	1

LOCATION				SUPER SILT FENCE (FOOT) JS280100	RECTANGULAR INLET PROTECTION (EACH) JS280180	FILTER FABRIC INLET PROTECTION, BASKET TYPE (EACH) JS280210	TEMPORARY DITCH CHECKS (FOOT) JS280305	FLOC LOG (EACH) JT280510	IN-LINE FLOCCULATION SYSTEM (EACH) JT280530	SEDIMENT FILTER BAG (EACH) JT280500
ID NUMBER	STATION	OFFSET (FOOT)								
INTERSTATE 57										1
EX STRUCTURE	1246+50.0	7.5	RT			1				
EX STRUCTURE	1246+50.0	4.5	RT			1				
SUBTOTAL INTERSTATE 57				0	0	2	0	0	0	1
RAMP F2										1
	5025+00.0	28.6	RT				7			
	5024+25.0	26.9	RT				7			
	5023+50.0	25.4	RT				7			
	5022+50	23.0	RT				7			
	5021+25.0	23.9	RT				7			
	5020+50.0	24.2	RT				7			
	5019+75.0	25.4	RT				7			
	5019+00.0	26.7	RT				7			
	5018+25.0	27.9	RT				7			
	5017+50.0	30.0	RT				7			
	5016+75.0	30.7	RT				7			
	5016+00.0	31.0	RT				7			
306	5015+50.0	19.0	LT			1				
	5015+23.5	32.9	RT				7			
300	5015+00.0	20.6	LT							
304	5014+51.2	22.9	LT			1				
	5013+89.9	35.5	RT	40						
	5013+42.4	37.3	RT						7	
	5013+00.0	38.0	RT						7	
	5012+25.0	40.0	RT						7	
	5011+50.0	43.2	RT						7	
	5011+12.5	44.8	RT						7	
	5010+75.0	47.5	RT						7	
	5011+03.7	97.9	LT	40					7	
	5010+37.5	50.4	RT						7	
	5010+00.0	53.4	RT						7	
SUBTOTAL RAMP F2				80	0	3	154	0	0	1
FOR USE AT ENGINEER'S DISCRETION (10%)				28	1	3	43	4	0	1
TOTAL				308	5	28	468	43	3	5

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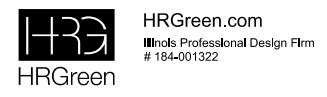
DRAWN BY JCH CHECKED BY SPB	DATE 3-12-2020 SCALE NOT TO SCALE	 HRGreen.com Illinois Professional Design Firm # 184-001322	 THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515	REVISIONS NO. DATE DESCRIPTION			CONTRACT I-19-4495 I-57 AT 294 RAMPS C AND F2 PROPOSED ESC SCHEDULE	SHEET SCH-06 140 OF 606

SEDIMENT TRAP SCHEDULE												
		STATION	OFFSET	AREA SERVED (ACRES)	REQUIRED STORAGE DESIGN BASED UPON 1,800 CF / AC	WIDTH (FT.)	LENGTH (FT.)	DEPTH (FT.)	STORAGE DESIGN (CU-FT.)	OUTLET ELEVATION (FT.)	BOTTOM ELEVATION (FT.)	SPILLWAY ELEVATION (FT.)
TRAP 5-1	I-294 Relocated Ditch (South Belaire Creek Culvert)	365+50	126.6' LT	1.76	3168.0	8.0	50.0	3.0	1200.0	603.5	600.0	603.00
TRAP 5-2	I-294 Relocated Ditch (North Belaire Creek Culvert)	367+65	121.4' LT	2.02	3636.0	8.0	50.0	3.0	1200.0	604.6	601.6	604.60
TRAP 5-3	I-57 Relocated Ditch (North Park Creek Culvert Extension)	5025+26	30' RT	3.28	5904.0	8.0	50.0	3.0	1200.0	604.5	601.5	604.50

STONE OUTLET STRUCTURE SEDIMENT TRAP				
DESIGN ELEMENTS		TRAP 5-1	TRAP 5-2	TRAP 5-3
DRAINAGE AREA	X (ACRES)	1.8	2.0	3.3
SEDIMENT BASIN STORAGE CAPACITY	V (CU. YD.)	50.0	50.0	50.0
WET DETENTION STORAGE	1/2V (CU. YD.)	25.0	25.0	25.0
DRY DETENTION STORAGE	1/2V (CU. YD.)	25.0	25.0	25.0
SEDIMENT TRAP LENGTH	A (FEET)	50.0	50.0	50.0
SEDIMENT TRAP WIDTH	B (FEET)	8.0	8.0	8.0
STONE OUTLET STRUCTURE HEIGHT	C (FEET)	3.0	3.0	3.0
STONE OUTLET BASE WIDTH	D (FEET)	5.0	5.0	5.0
WEIR LENGTH	E (FEET)	5.0	5.0	5.0
WEIR TOP WIDTH	F (FEET)	5.0	5.0	5.0
WEIR SIDE SLOPE THICKNESS	G (FEET)	0.83	0.83	0.83
WEIR SIDE SLOPE HEIGHT	H (FEET)	1.0	1.0	1.0
WEIR DEPTH	I (FEET)	0.83	0.83	0.83
WEIR BASE WIDTH	J (FEET)	3.0	3.0	3.0
RIPRAP	GRADATION	CLASS A3	CLASS A3	CLASS A3
COURSE AGGREGATE	GRADATION	CA-2	CA-2	CA-2
STONE OUTLET AGGREGATE THICKNESS	K (FEET)	0.67	0.67	0.67

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 3/12/2020

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CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2
PROPOSED ESC SCHEDULE

SHEET **SCH-07**
141 OF **606**

EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. FOR EROSION AND SEDIMENT CONTROL GENERAL NOTES SEE STANDARD K1-08 DRAWINGS.
2. THE CONTRACTOR SHALL REFER TO SECTION 280.02 OF THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS FOR PENALTIES FOR NON-CONFORMANCE.
3. THE CONTRACTOR SHALL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ENSURE THAT SOIL EROSION AND SEDIMENT CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED TO CONTROL OFF-SITE SEDIMENT DISCHARGES.
4. THE EROSION AND SEDIMENT CONTROLS SHOWN IN THE PLANS REPRESENT THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED BY THE ENGINEER OR REPRESENTATIVES OF REGULATORY OR PERMITTING AGENCIES. ANY EMERGENCY CONTROL MEASURES REQUESTED BY A REGULATORY OR PERMITTING AGENCY MUST BE INSTALLED IMMEDIATELY.
5. THE CONTRACTOR SHALL INSTALL INITIAL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO BEGINNING ANY ACTIVITIES WHICH WILL POTENTIALLY CAUSE ERODIBLE CONDITIONS.
6. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED, EFFECTIVE AND MAINTAINED THROUGHOUT ALL PHASES OF CONSTRUCTION, INCLUDING SHUTDOWN PERIODS.
7. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES. TO THE MAXIMUM EXTENT POSSIBLE, EROSION SHALL BE MINIMIZED AT ITS SOURCE.
8. SHOULD IT BE NECESSARY TO REMOVE ANY EROSION OR SEDIMENT CONTROLS FOR CONSTRUCTION REASONS, THE CONTRACTOR SHALL FIRST OBTAIN PERMISSION FROM THE ENGINEER AND SHALL REPAIR OR REPLACE THE REMOVED CONTROLS THE SAME DAY. THE COST OF REMOVING AND RE-INSTALLING THE DEVICE SHALL BE INCLUDED IN THE CONTRACT.
9. THE CONTRACTOR SHALL CONFINE CONSTRUCTION ACTIVITIES WITHIN THE CONSTRUCTION LIMITS AS SHOWN ON THE PLANS. AREAS OUTSIDE THE SHOWN CONSTRUCTION LIMITS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED AND STABILIZED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
10. TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ANY DEVIATION FROM THE TEMPORARY EROSION AND SEDIMENT CONTROL PLAN OR SCHEDULE SHALL BE AT THE DISCRETION OF THE ENGINEER.
11. IN CASE OF CONFLICT BETWEEN THE EROSION AND SEDIMENT CONTROL PLAN, PLAN QUANTITIES, OR OTHER CONTRACT DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND RECEIVE CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
12. THE CONTRACTOR SHALL SUBMIT THE SUBMITTAL ITEMS SPECIFIED IN S.P. 111.2, STORM WATER POLLUTION PREVENTION PLAN, WHICH SHALL BE INCORPORATED INTO AND BECOME PART OF THE SWPPP.
13. UNLESS OTHERWISE INDICATED, ALL STABILIZATION AND STRUCTURAL PRACTICES AND OTHER CONTROL MEASURES SPECIFIED IN THE SWPPP SHALL BE CONSTRUCTED ACCORDING TO THE MINIMUM STANDARDS OF THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS AND THE ILLINOIS URBAN MANUAL (LATEST EDITION).
14. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM ANY SUBCONTRACTORS WHO PERFORM WORK ON THE PROJECT OF THE REQUIREMENTS OF THE SWPPP AND ILR10 PERMIT ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IF APPLICABLE).
15. THE CONTRACTOR SHALL UTILIZE THE MAINTENANCE GUIDELINES OUTLINED IN THE SWPPP TO ENSURE GOOD AND EFFECTIVE OPERATING CONDITIONS OF THE MEASURES TO PROTECT STORMWATER QUALITY ON THE PROJECT.
16. THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT DISTURBED AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR EROSION CONTROL. AREAS TO BE WORKED AND DISTURBED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE TEMPORARY STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET.

17. THE PROJECT REQUIRES PERMITS FROM THE UNITED STATES ARMY CORPS OF ENGINEERS (USACE 404 PERMIT) AND THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA 401 WATER QUALITY CERTIFICATION THROUGH THE USACE REGIONAL PERMIT). THE PERMIT APPLICATION WILL BE SUBMITTED TO THE USACE AND IEPA BY THE ILLINOIS TOLLWAY. THE CONTRACTOR SHALL NOT DISTURB OR OTHERWISE IMPACT JURISDICTIONAL WETLANDS OR WATERWAYS UNTIL THESE PERMITS ARE RECEIVED AND PROVIDED TO THE CONTRACTOR. NO REMOVALS, TEMPORARY OR PERMANENT CONSTRUCTION ACTIVITIES, OR OTHER WORK THAT WOULD IMPACT THESE RESOURCES, IS ALLOWED UNTIL THESE PERMITS ARE OBTAINED. ON PROJECTS WHICH INCLUDE IN-STREAM WORK, NO WORK IS ALLOWED BEYOND THE PERMITTED AREA.
18. UNLESS OTHERWISE SPECIFIED AND APPROVED BY THE ENGINEER, ALL TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND DISTURBED AREAS ARE PERMANENTLY STABILIZED.
19. PERMANENT LANDSCAPE ITEMS SHALL BE IMPLEMENTED IN CONJUNCTION WITH CONSTRUCTION STAGING. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY STABILIZED AT ONE TIME.
20. TEMPORARY STABILIZATION MEASURES SHALL BE PROVIDED AT INACTIVE DISTURBED AREAS THAT CANNOT BE STABILIZED WITH PERMANENT VEGETATIVE MEASURES UNTIL A LATER DATE. THE ENGINEER MAY REQUIRE THAT CRITICAL LOCATIONS BE STABILIZED IMMEDIATELY, AND THE CONTRACTOR SHALL IMPLEMENT TEMPORARY STABILIZATION MEASURES TO THESE AREAS WITHIN 24 HOURS OF SUCH DIRECTIVE, PURSUANT TO ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATION ARTICLE 280.15(C), TO ESTABLISH TEMPORARY COVER.
21. TEMPORARY SOIL STOCKPILE LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO TOPSOIL REMOVAL OR OTHER GRADING OPERATIONS BEING PERFORMED.
22. FOR THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL PROTECT ALL ON-SITE, ADJACENT AND/OR DOWNSTREAM SEWERS, DITCHES, AND WATERCOURSES FROM CONTAMINATION BY WATERBORNE SILTS, SEDIMENTS, FUELS, SOLVENTS, DETERGENTS, LUBRICANTS, OR OTHER TOXIC OR HAZARDOUS POLLUTANTS ORIGINATING FROM ANY WORK DONE ON OR IN SUPPORT OF THE PROJECT.
23. TEMPORARY STABILIZED CONSTRUCTION ENTRANCES, GRAVELED ROADS, ACCESS DRIVES, AND PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. THE LOCATIONS OF ALL STABILIZED ENTRANCES ARE SUBJECT TO APPROVAL BY THE ENGINEER. SUGGESTED OR POTENTIAL LOCATIONS MAY BE SHOWN ON THE PLANS.
24. THE CONTRACTOR SHALL TREAT DISTURBED AND OTHER PROJECT AREAS TO CONTROL DUST WATER SHALL BE APPLIED TO SUCH AREAS AS DIRECTED BY THE ENGINEER. CALCIUM CHLORIDE SHALL NOT BE USED FOR THIS PURPOSE. DUST SHALL BE CONTROLLED THROUGH A UNIFORM APPLICATION OF SPRAYED WATER IN A MANNER MEETING ENGINEER APPROVAL AND IN ACCORDANCE WITH THE CONTRACTOR'S DUST CONTROL PLAN SUBMITTED IN ACCORDANCE WITH ARTICLE 107.36 OF THE TOLLWAY SUPPLEMENTAL SPECIFICATIONS. THE NUMBER OF APPLICATIONS AND THE AMOUNT OF WATER SHALL BE BASED ON FIELD AND WEATHER CONDITIONS.
25. ALL CONTROLS NECESSARY TO MEET THE REQUIREMENTS OF THE COUNTY STORMWATER AND FLOODPLAIN ORDINANCE OR THE WAIVER COMMUNITY ORDINANCE SHALL BE KEPT OPERATIONAL AND MAINTAINED THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
26. A NOMINAL QUANTITY FOR ITEM JS280070 STABILIZED CONSTRUCTION ENTRANCE HAS BEEN PROVIDED FOR INSTALLING AND MAINTAINING ENTRANCES SUBJECT TO APPROVAL BY THE ENGINEER.
27. THE PERMANENT VEGETATION PLAN SHALL BE USED ON ALL DISTURBED AREAS WHENEVER POSSIBLE. A QUANTITY FOR ITEM JS280150 TEMPORARY STABILIZATION WITH STRAW MULCH HAS ALSO BEEN PROVIDED FOR TEMPORARY STABILIZATION OF ALL ANTICIPATED DISTURBED AREAS.
28. A NOMINAL QUANTITY FOR ITEM JS280051 RE-ERECT SILT FENCE HAS BEEN PROVIDED. RE-ERECTION OF SILT FENCE SHALL BE AS APPROVED AND DIRECTED BY THE ENGINEER.
29. A NOMINAL QUANTITY FOR ITEM JS280151 SAME-DAY STABILIZATION HAS BEEN PROVIDED FOR USE AS DIRECTED BY THE CM TO STABILIZE EROSION PRONE AREAS OR CRITICAL DISTURBED AREAS WHERE THERE IS A RISK THAT SEDIMENT LADEN RUNOFF MAY ENTER SENSITIVE ENVIRONMENTAL AREAS.
30. THE INSTALLATION, MAINTENANCE, REMOVAL, AND RESTORATION OF THE AREA DISTURBED BY THE PLACEMENT OF SILT FENCE IS INCLUDED IN THE CONTRACT UNIT PRICE FOR SILT FENCE. AFTER THE REMOVAL OF SILT FENCE, THE AREAS DISTURBED BY THE FENCE INSTALLATION SHALL BE RESTORED.

IN-STREAM AND STREAMSIDE NOTES

1. NO WORK IN FLOWING WATER
NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR CRITICAL AREAS SHALL BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW. ONCE WORK IN THE AREA BEGINS, PRIORITY SHALL BE GIVEN TO COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS.
2. ISOLATED WORK AREA
ALL DISTURBED AREAS AND WORK AREAS MUST BE ISOLATED FROM WATERWAY FLOWS AT ALL TIMES. THE DIVERSION/ISOLATION OF FLOW MUST BE CONSTRUCTED FROM NON-ERODIBLE MATERIALS. THE USACE MUST BE IN AGREEMENT WITH THE OVERALL METHODS OF DIVERSION/ISOLATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
3. WORK IN WATERWAYS
 - A. DURING WORK ON THE BANKS OF THE SWALE/RIVER/STREAM/WETLAND, WORK MUST BE TIMED TO TAKE PLACE DURING LOW OR NO FLOW CONDITIONS.
 - B. CONCENTRATED FLOW MUST BE ISOLATED FROM THE WORK AREA USING A NON-ERODIBLE COFFERDAM, STEEL SHEETS, AQUA BARRIERS, JERSEY BARRIERS, ETC. THE EXACT MEANS AND METHODS SHALL BE DISCUSSED DURING A SCHEDULED PRE-CONSTRUCTION IN-STREAM WORK MEETING. EARTHEN COFFERDAMS ARE NOT PERMISSIBLE.
 - C. COFFERDAMS MUST BE CONSTRUCTED FROM SHORE AND NO EQUIPMENT MAY ENTER FLOWING WATER ANY TIME. IF THE INSTALLATION OF THE COFFERDAM CANNOT BE COMPLETED FROM SHORE, CONSTRUCTION OF A CAUSEWAY WILL BE NECESSARY TO ENSURE THAT EQUIPMENT DOES NOT ENTER FLOWING WATER. EQUIPMENT MAY ENTER THE COFFERED AREA ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED.
 - D. IF BYPASS PUMPING IS NECESSARY, THE INLET OF THE PUMP SHALL BE PLACED IN A SUMP PIT AND THE OUTLET PLACED ON A NON-ERODIBLE ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE WATERWAY FLOW OR WETLAND. FILTERING OF BY-PASS WATER IS NOT REQUIRED UNLESS THE BYPASS WATER HAS BECOME SEDIMENT-LADEN AS A RESULT OF CONSTRUCTION ACTIVITIES.
 - E. IF DEWATERING THE CONSTRUCTION AREA IS NECESSARY, ALL WATER REMOVED FROM THE WORK AREA SHALL BE FILTERED USING FILTER BAGS OR AN ALTERNATE APPROVED MEASURE. WATER MUST HAVE SEDIMENT REMOVED BEFORE BEING ALLOWED TO RETURN TO THE SOURCE CREEK/STREAM/RIVER/WETLAND. DISCHARGE FROM DEWATERING SHALL BE TO A STABLE SURFACE THAT EXTENDS TO THE POINT WHERE WATER RE-ENTERS THE WATERWAY. DISCHARGED WATER SHALL BE NO MORE TURBID THAN THE RECEIVING WATER. DISCHARGE SHALL BE IMMEDIATELY STOPPED IF RECEIVING WATERS SHOW EVIDENCE OF CLOUDY WATER, EROSION, OR SEDIMENT ACCUMULATION.
 - F. THE SIDE SLOPES MUST BE RE-SEEDED AND STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET PRIOR TO ACCEPTING FLOWS. THE BOTTOM OF THE SWALE MUST BE BROUGHT BACK TO ITS ORIGINAL GRADE AND STABLE ENOUGH TO ACCEPT FLOWS.
 - G. AN IN-STREAM WORK PLAN MUST BE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO THE START OF ANY WORK NEAR WETLANDS OR WATERS OF THE U.S. ADDITIONALLY, A PRE-ACTIVITY MEETING SHALL BE HELD WITH THE ENGINEER AND TOLLWAY ENVIRONMENTAL UNIT TO DISCUSS THE CONTRACTOR'S MEANS AND METHODS.

WETLANDS AND WATERS OF THE U.S. NOTES

1. WETLAND AREAS OUTSIDE OF THE WORK ZONE ARE TO BE AVOIDED. IF THE CONTRACTOR SHOULD ENCRUACH UPON ANY WETLAND AREA THAT IS NOT WITHIN THE CONSTRUCTION LIMITS AND OR PERMITTED FOR IMPACT THROUGH THE USACE, THE CONTRACTOR IS SUBJECT TO FINES. CONTRACTOR SHALL NOTIFY RESIDENT ENGINEER IMMEDIATELY OF ANY WETLAND IMPACTS OUTSIDE OF THE WORK ZONE. IMPACT AREAS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR WITH USACE COORDINATION.
2. ALL WETLANDS, WATERS OF THE U.S. AND OPEN WATER DETENTION FACILITIES ARE SUBJECT TO THE REVIEW AND APPROVAL BY RESOURCE AND REGULATORY AGENCIES. THOSE AGENCIES INCLUDE, BUT ARE NOT LIMITED TO THE ARMY CORPS OF ENGINEERS, THE ENVIRONMENTAL PROTECTION AGENCY, THE ILLINOIS DEPARTMENT OF NATURAL RESOURCES AND THE COOK COUNTY DEPARTMENT OF ENVIRONMENTAL CONTROL.
3. AN IN-STREAM WORK PLAN MUST BE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO THE START OF ANY WORK NEAR OR WITHIN WETLANDS OR WATERS OF THE U.S. ADDITIONALLY, A PRE-ACTIVITY MEETING SHALL BE HELD WITH THE ENGINEER AND TOLLWAY ENVIRONMENTAL UNIT TO DISCUSS THE CONTRACTOR'S MEANS AND METHODS.

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CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2
EROSION CONTROL NOTES

SHEET **EC-01**
142 OF **606**

RAMPS C AND F2 CONSTRUCTION STAGING NOTES:

PRESTAGE

INSTALL PERIMETER SILT FENCE AS SHOWN IN THE PLANS. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE, INSTALL INLET PROTECTION AND INSTALL CULVERT INLET PROTECTION. PROVIDE SILT FENCE AROUND PROPOSED TOPSOIL STOCKPILE LOCATIONS (SUGGESTED LOCATIONS ARE SHOWN ON THE PLANS).

STAGE 1 - RAMPS C AND F2

A. STAGE - 1 CONSTRUCTION STAGING - I-57; I-294

I. I-294 SHOULDER WIDENING, RAMP C, RAMP F2 AND DRAINAGE CONSTRUCTION.

PRIOR TO CLEARING AND GRUBBING FOR EMBANKMENT CONSTRUCTION, COVER / ADJUST EXISTING INLETS AS INDICATED IN THE DRAINAGE REMOVAL PLANS AND INSTALL INLET PROTECTION ON STRUCTURES THAT WILL REMAIN OPEN. CONSTRUCT STORM SEWERS AS INDICATED ON THE PROPOSED DRAINAGE PLANS AND INSTALL CULVERT INLET PROTECTION AND INLET PROTECTION AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLANS.

PERFORM TREE REMOVAL AND GRUBBING WITH DEBRIS REMOVAL AS NEEDED. STRIP TOPSOIL AND STORE IN THE DESIGNATED STOCKPILE LOCATION(S). APPLY TEMPORARY STABILIZATION WITH STRAW MULCH TO DISTURBED AREAS INCLUDING THE STOCKPILE.

STABILIZE THE CUT SLOPE USING PERMANENT STABILIZATION WHERE FEASIBLE TO CONSTRUCT TO FINAL SLOPE LIMITS. USE TEMPORARY STABILIZATION WITH STRAW MULCH WHERE CUT SLOPES FOR TEMPORARY WIDENING DO NOT COINCIDE WITH FINAL SLOPE LIMITS. INSTALL GUTTER STORM DRAINAGE INLETS AND STORM SEWER PIPE AND INLET PROTECTION ON ROADWAY SIDE OF RETAINING WALL

EXTEND STORM SEWERS (CULVERTS) AND INSTALL FENCE CULVERT INLET PROTECTION (SUPER SILT FENCE) TO PROTECT FLARED END SECTIONS AND SLOPED HEADWALLS AS SHOWN ON PLANS.

EXCAVATE PROPOSED DITCHES AT BASE OF RETAINING WALLS. APPLY TEMPORARY STABILIZATION WITH STRAW MULCH TO PROPOSED EMBANKMENT (FILL) AND CUT SECTIONS DURING CONSTRUCTION. INSTALL TURF REINFORCEMENT MAT AND PERMANENT STABILIZATION TO THE DITCH BOTTOM. STABILIZE NEWLY GRADED DITCHES AS COMPLETED WITH TEMPORARY DITCH CHECKS AND TEMPORARY STABILIZATION WITH STRAW MULCH TO THE DITCH BACKSLOPE AND FORESLOPE.

STABILIZE FINAL SLOPES WITH PERMANENT STABILIZATION.

\\ngivras\Data\080038\Contract_5_Ramp_C_and_Ramp_F2\CAD\Drawings\010005-ht-eros-01.lhrgreen.dgn 2/2/2020

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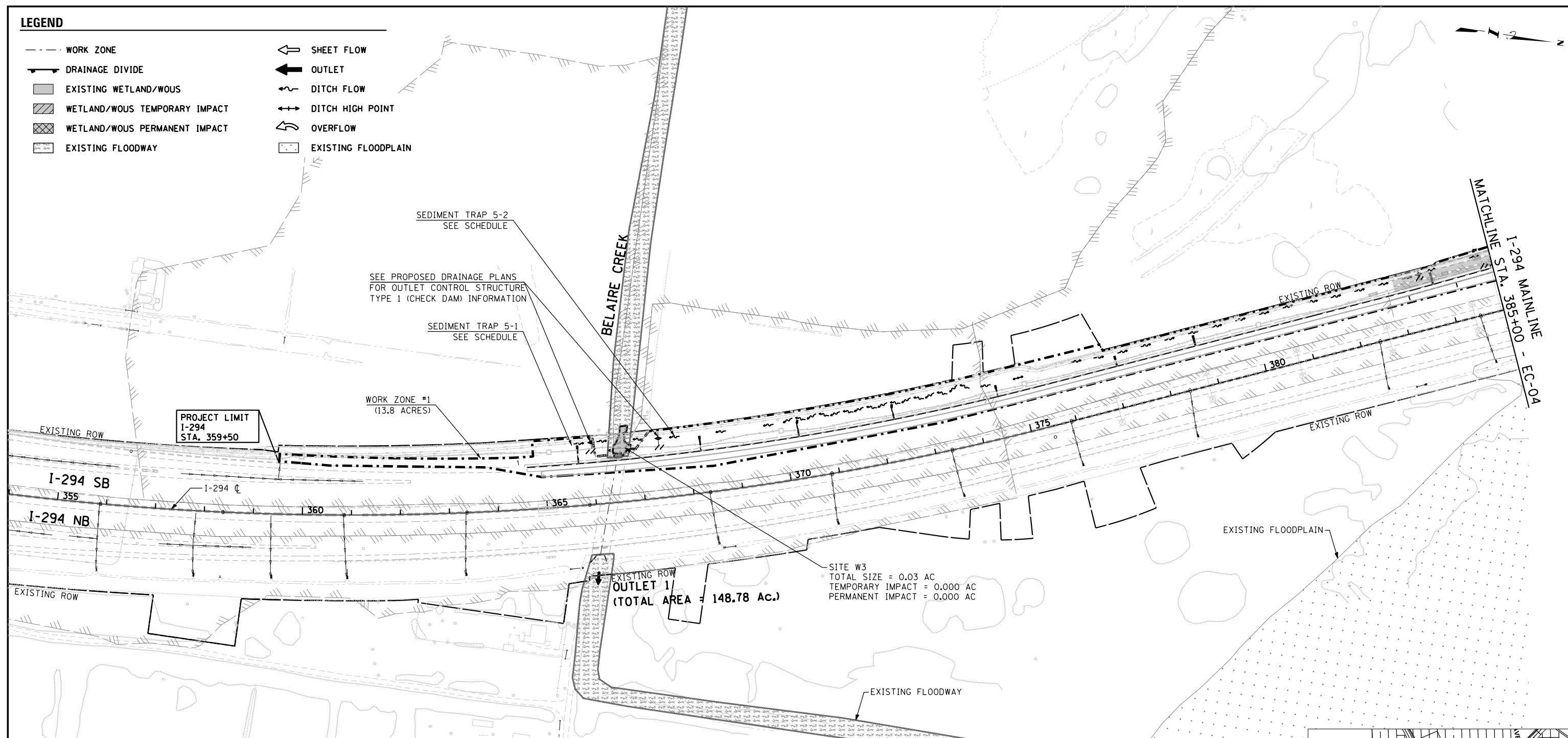
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2
EROSION CONTROL NOTES

SHEET **EC-02**
143 OF **606**

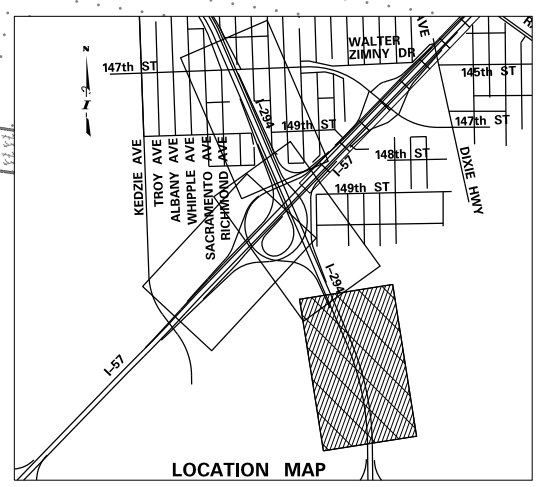
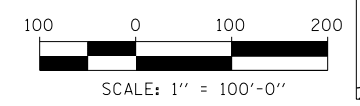
LEGEND

- WORK ZONE
- DRAINAGE DIVIDE
- █ EXISTING WETLAND/WOUS
- ▨ WETLAND/WOUS TEMPORARY IMPACT
- ▩ WETLAND/WOUS PERMANENT IMPACT
- ▭ EXISTING FLOODWAY
- ← SHEET FLOW
- ← OUTLET
- ~ DITCH FLOW
- ↑ DITCH HIGH POINT
- ↪ OVERFLOW
- ▭ EXISTING FLOODPLAIN



WETLAND/WOUS IMPACTS					
IMPACT SITE	SHEET	ACRES	SOFT	IMPACT TYPE	IMPACT DESCRIPTION
SITE W1	EC-04	0.006	256	PERMANENT	Piers in realigned Dixie Creek
SITE W1	EC-04	0.003	148	PERMANENT	Riprap Open Water in Dixie Creek
SITE 1	EC-04	0.050	2195	TEMPORARY	Temp Emergent Impact Dixie Creek
SITE W1	EC-04	0.159	6911	TEMPORARY	Temp Open Water Dixie Creek
SITE W4	EC-05	0.012	533	PERMANENT	Fill Ramp F2
SITE 1	EC-04	0.007	303	PERMANENT	Riprap emergent north side of Dixie Creek
SITE 1	EC-04	0.026	1148	PERMANENT	Fill Ramp C

- NOTES:
- SURFACE ROUGHING SHALL BE UTILIZED ON ALL BARE BRIDGE EMBANKMENT SURFACES.
 - AREAS OF STEEP SLOPES SHALL UTILIZE SAME DAY STABILIZATION.



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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT **I-19-4495** SHEET **EC-03**
I-57 AT 294 RAMPS C AND F2
EROSION CONTROL OVERVIEW **144** OF **606**

LEGEND

- WORK ZONE
- DRAINAGE DIVIDE
- EXISTING WETLAND/WOUS
- WETLAND/WOUS TEMPORARY IMPACT
- WETLAND/WOUS PERMANENT IMPACT
- EXISTING FLOODWAY
- SHEET FLOW
- OUTLET
- DITCH FLOW
- DITCH HIGH POINT
- OVERFLOW
- EXISTING FLOODPLAIN

WETLAND SITE 1
 TOTAL SIZE = 2.07 AC
 TEMPORARY IMPACT = 0.050 AC
 PERMANENT IMPACT = 0.033 AC

SITE W1
 TOTAL SIZE = 1.73 AC
 TEMPORARY IMPACT = 0.159 AC
 PERMANENT IMPACT = 0.009 AC

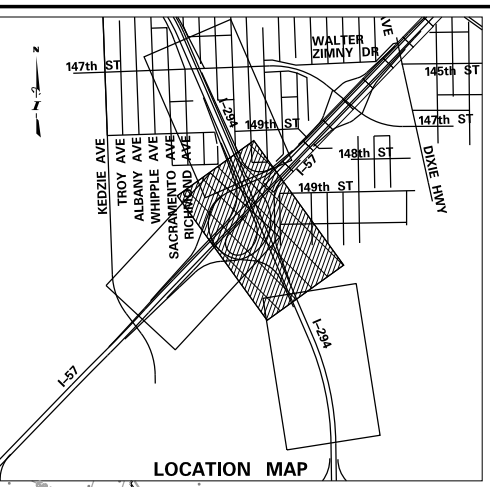
SITE W5
 TOTAL SIZE = 0.11 AC
 TEMPORARY IMPACT = 0.025 AC
 PERMANENT IMPACT = 0.000 AC

WETLAND SITE 4
 TOTAL SIZE = 1.05 AC
 TEMPORARY IMPACT = 0.603 AC
 PERMANENT IMPACT = 0.007 AC

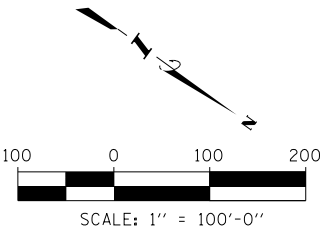
WORK ZONE #2
 (4.2 ACRES)

I-294 MAINLINE
 MATCHLINE STA. 385+00 - EC-03

RAMP F2
 MATCHLINE
 STA. 5008+00
 EC-05



- NOTES:
- SURFACE ROUGHING SHALL BE UTILIZED ON ALL BARE BRIDGE EMBANKMENT SURFACES.
 - AREAS OF STEEP SLOPES SHALL UTILIZE SAME DAY STABILIZATION.



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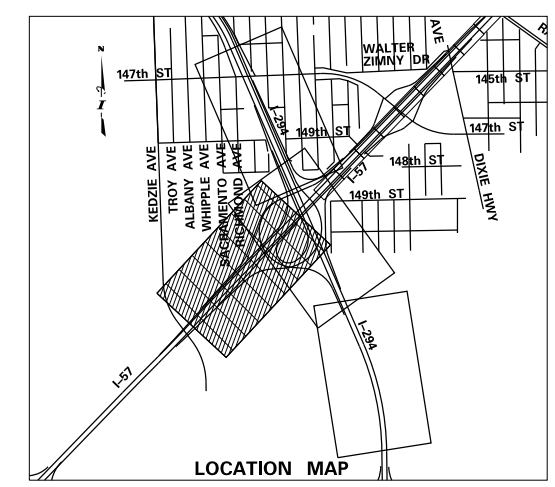
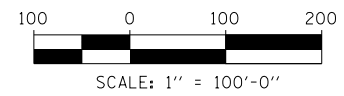
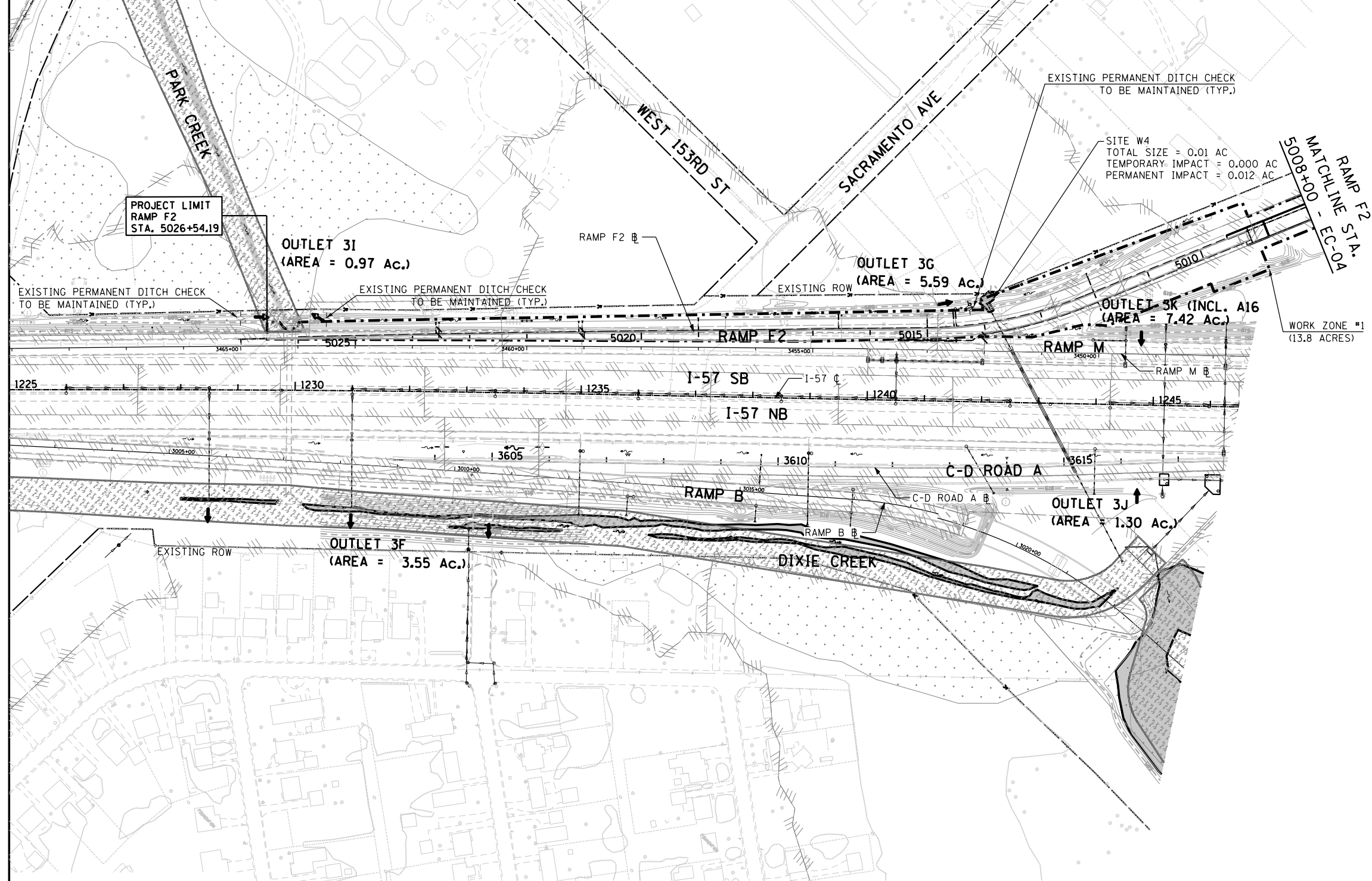
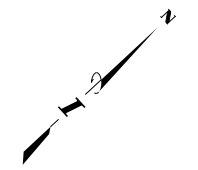
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 EROSION CONTROL OVERVIEW

SHEET EC-04
 145 OF 606

LEGEND

--- WORK ZONE	← SHEET FLOW
--- DRAINAGE DIVIDE	← OUTLET
█ EXISTING WETLAND/WOUS	~ DITCH FLOW
▨ WETLAND/WOUS TEMPORARY IMPACT	↑ DITCH HIGH POINT
▩ WETLAND/WOUS PERMANENT IMPACT	↪ OVERFLOW
▤ EXISTING FLOODWAY	□ EXISTING FLOODPLAIN



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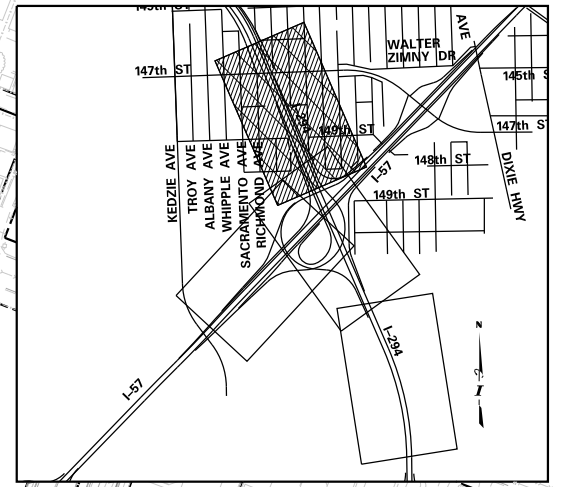

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REVISIONS		
NO.	DATE	DESCRIPTION

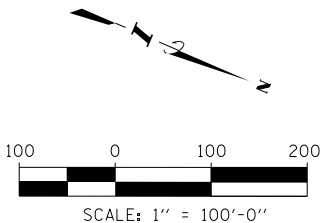
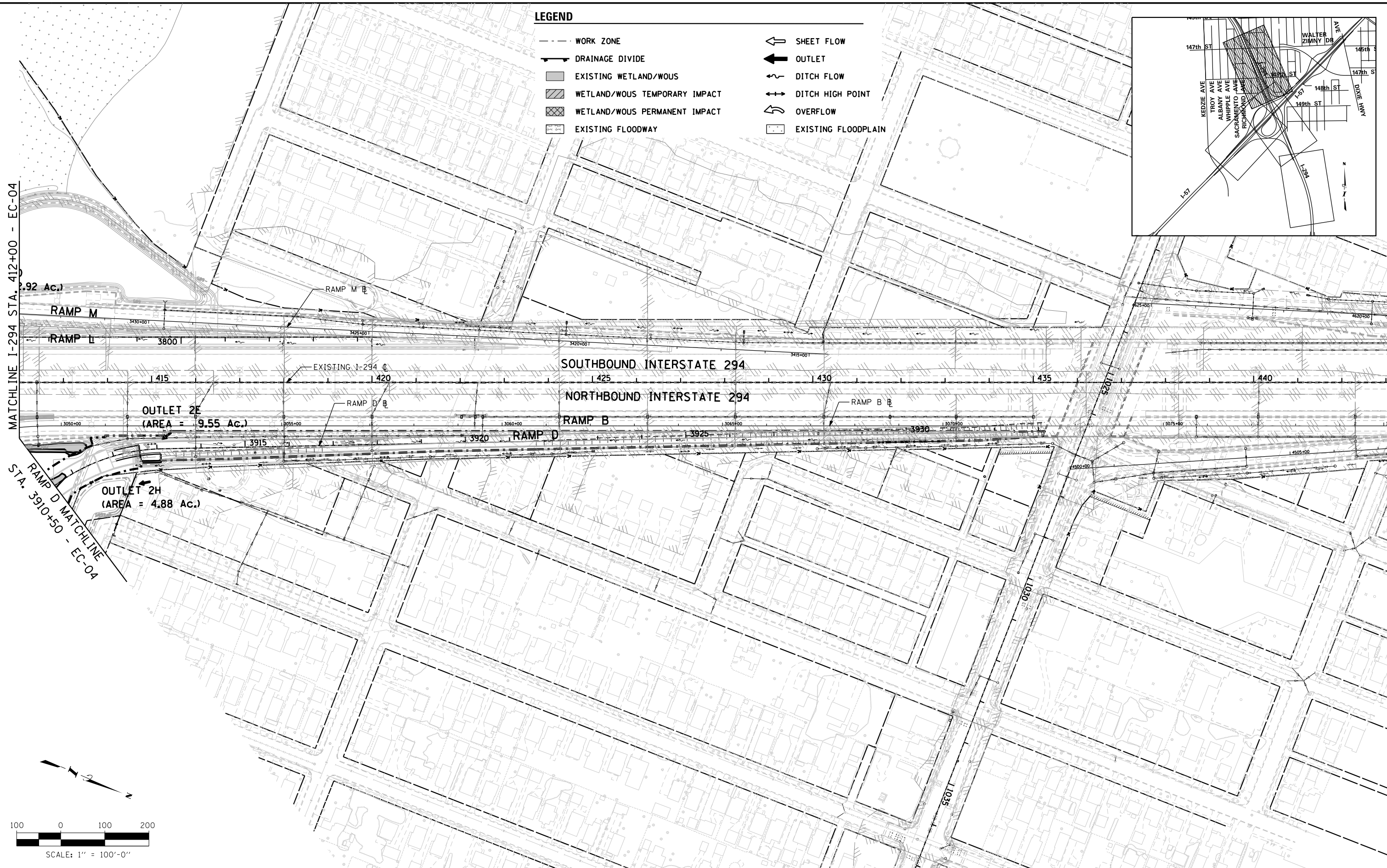
CONTRACT	I-19-4495	SHEET	EC-05
I-57 AT 294 RAMPS C AND F2		146 OF 606	
EROSION CONTROL OVERVIEW			

LEGEND

- WORK ZONE
- DRAINAGE DIVIDE
- █ EXISTING WETLAND/WOUS
- ▨ WETLAND/WOUS TEMPORARY IMPACT
- ▩ WETLAND/WOUS PERMANENT IMPACT
- ▭ EXISTING FLOODWAY
- ← SHEET FLOW
- ➔ OUTLET
- ~ DITCH FLOW
- ↕ DITCH HIGH POINT
- ↶ OVERFLOW
- ▭ EXISTING FLOODPLAIN



MATCHLINE I-294 STA. 412+00 - EC-04
 STA. 3910+50 - EC-04



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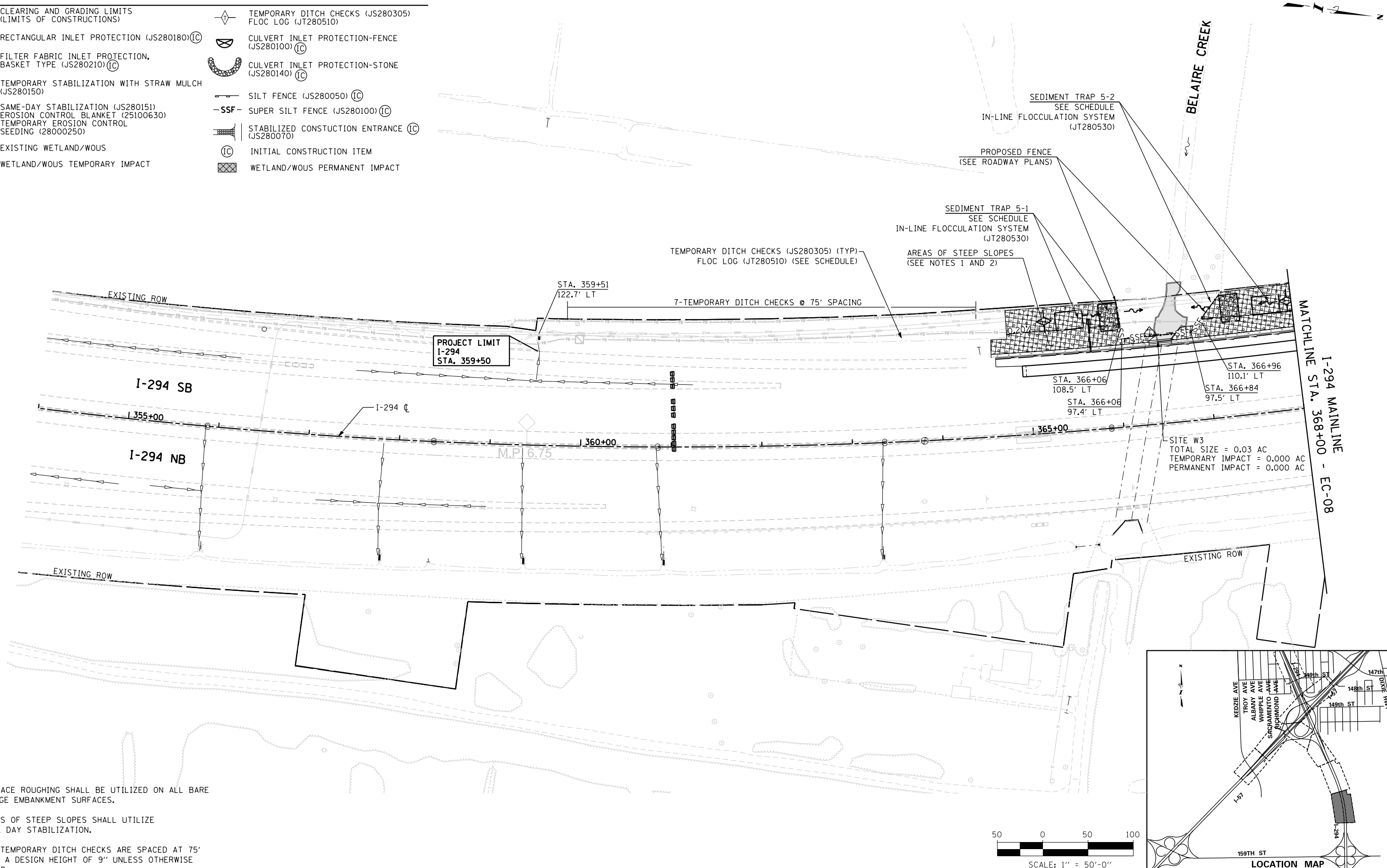
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NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
EROSION CONTROL OVERVIEW

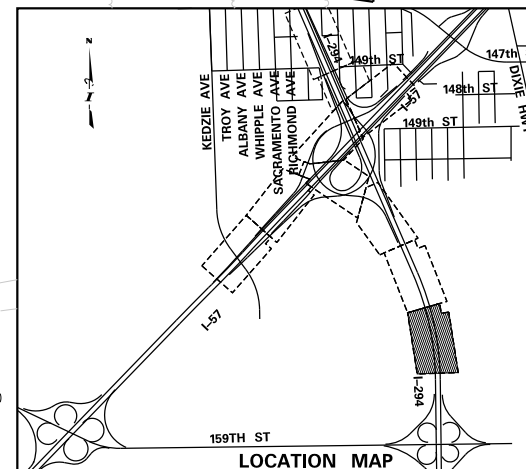
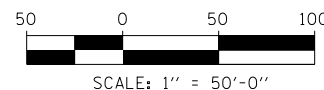
SHEET *EC-06*
147 OF **606**

LEGEND

	CLEARING AND GRADING LIMITS (LIMITS OF CONSTRUCTIONS)		TEMPORARY DITCH CHECKS (JS280305) FLOC LOG (JT280510)
	RECTANGULAR INLET PROTECTION (JS280180) (IC)		CULVERT INLET PROTECTION-FENCE (JS280100) (IC)
	FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210) (IC)		CULVERT INLET PROTECTION-STONE (JS280140) (IC)
	TEMPORARY STABILIZATION WITH STRAW MULCH (JS280150)		SILT FENCE (JS280050) (IC)
	SAME-DAY STABILIZATION (JS280151) EROSION CONTROL BLANKET (25100630) TEMPORARY EROSION CONTROL SEEDING (28000250)		SSF- SUPER SILT FENCE (JS280100) (IC)
	EXISTING WETLAND/WOUS		STABILIZED CONSTRUCTION ENTRANCE (IC) (JS280070)
	WETLAND/WOUS TEMPORARY IMPACT		INITIAL CONSTRUCTION ITEM
			WETLAND/WOUS PERMANENT IMPACT



- NOTES:**
1. SURFACE ROUGHING SHALL BE UTILIZED ON ALL BARE BRIDGE EMBANKMENT SURFACES.
 2. AREAS OF STEEP SLOPES SHALL UTILIZE SAME DAY STABILIZATION.
 3. ALL TEMPORARY DITCH CHECKS ARE SPACED AT 75' WITH A DESIGN HEIGHT OF 9" UNLESS OTHERWISE NOTED.



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













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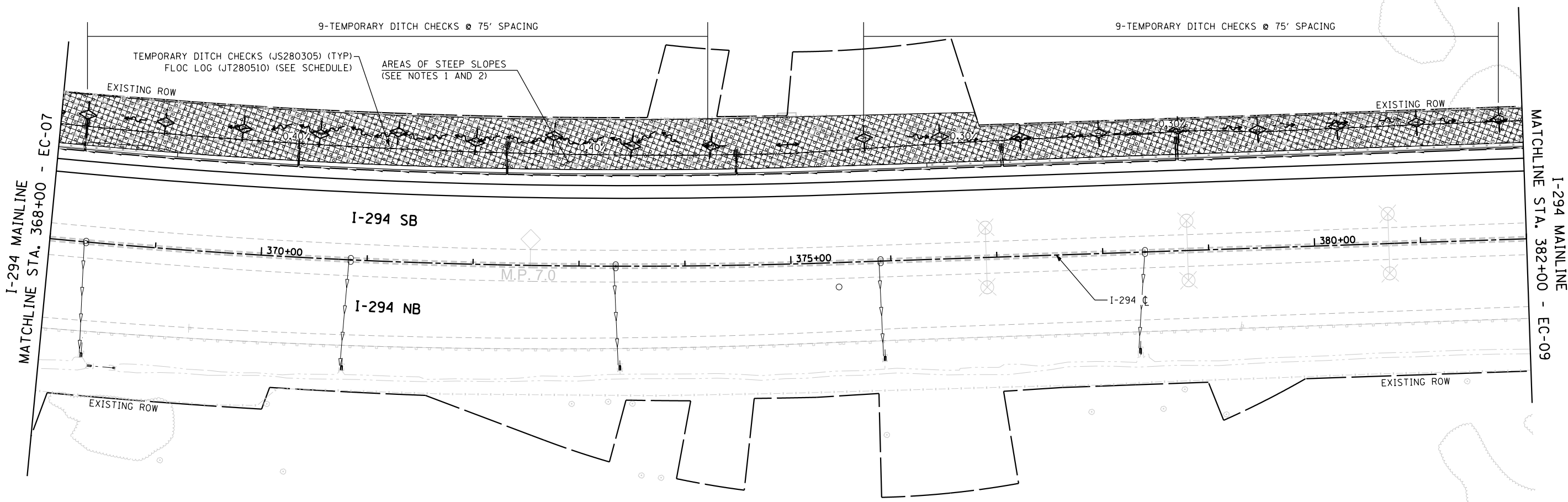
REVISIONS		
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CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2
EROSION CONTROL PLANS
STAGE 1

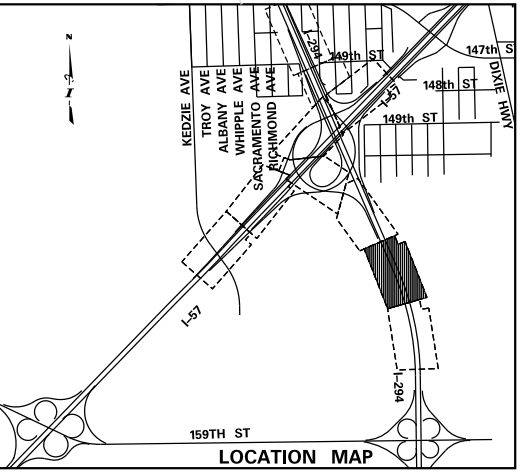
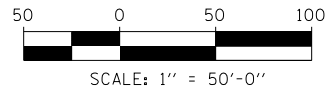
SHEET **EC-07**
148 OF **606**

LEGEND

-  CLEARING AND GRADING LIMITS (LIMITS OF CONSTRUCTIONS)
-  RECTANGULAR INLET PROTECTION (JS280180) (IC)
-  FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210) (IC)
-  TEMPORARY STABILIZATION WITH STRAW MULCH (JS280150)
-  SAME-DAY STABILIZATION (JS280151) EROSION CONTROL BLANKET (25100630) TEMPORARY EROSION CONTROL SEEDING (28000250)
-  EXISTING WETLAND/WOUS
-  WETLAND/WOUS TEMPORARY IMPACT
-  TEMPORARY DITCH CHECKS (JS280305) FLOC LOG (JT280510)
-  CULVERT INLET PROTECTION-FENCE (JS280100) (IC)
-  CULVERT INLET PROTECTION-STONE (JS280140) (IC)
-  SILT FENCE (JS280050) (IC)
-  SUPER SILT FENCE (JS280100) (IC)
-  STABILIZED CONSTRUCTION ENTRANCE (JS280070)
-  INITIAL CONSTRUCTION ITEM
-  WETLAND/WOUS PERMANENT IMPACT



- NOTES:
1. SURFACE ROUGHING SHALL BE UTILIZED ON ALL BARE BRIDGE EMBANKMENT SURFACES.
 2. AREAS OF STEEP SLOPES SHALL UTILIZE SAME DAY STABILIZATION.
 3. ALL TEMPORARY DITCH CHECKS ARE SPACED AT 75' WITH A DESIGN HEIGHT OF 9" UNLESS OTHERWISE NOTED.



S:\projects\2020\I-57\I-57 at 294 Ramps C and F2\Drawings\I-57 at 294 Ramps C and F2 Erosion Control Plans Stage 1.dwg

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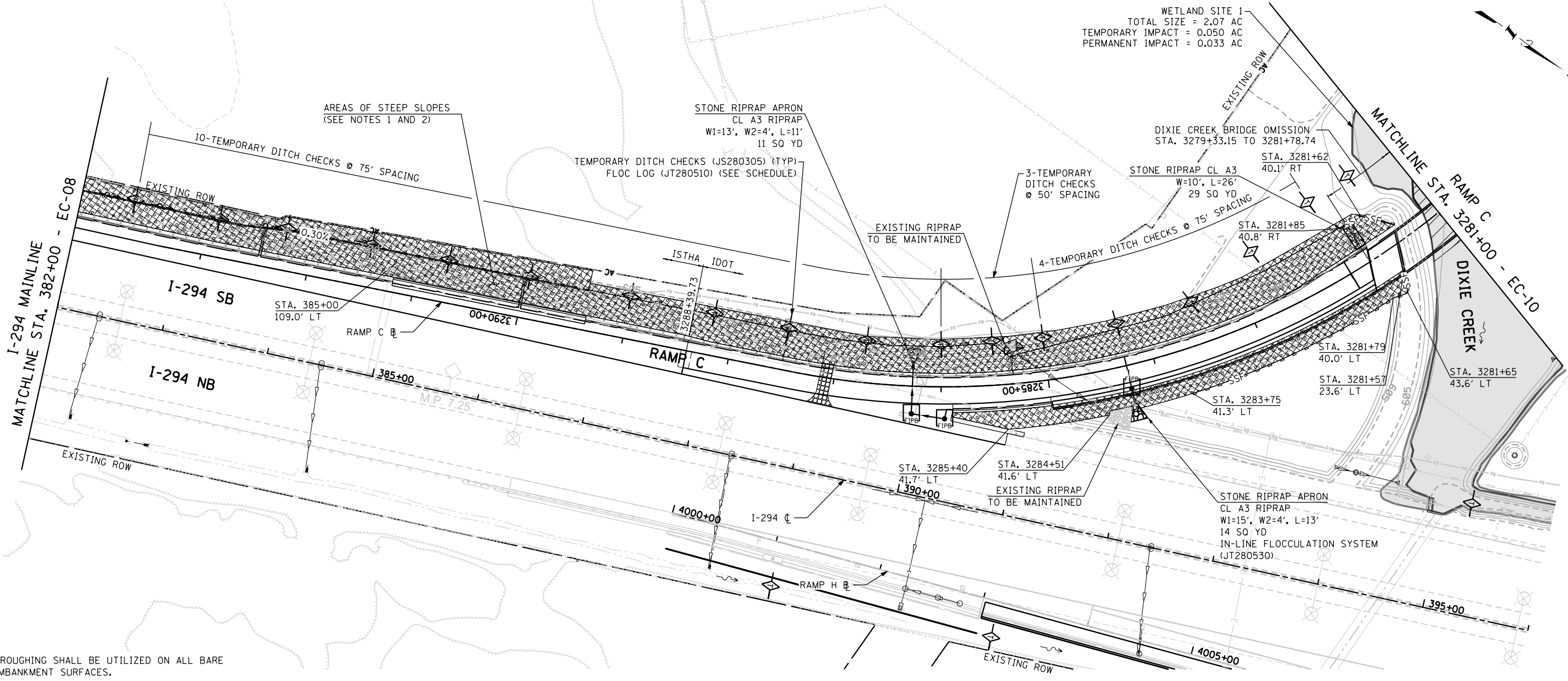
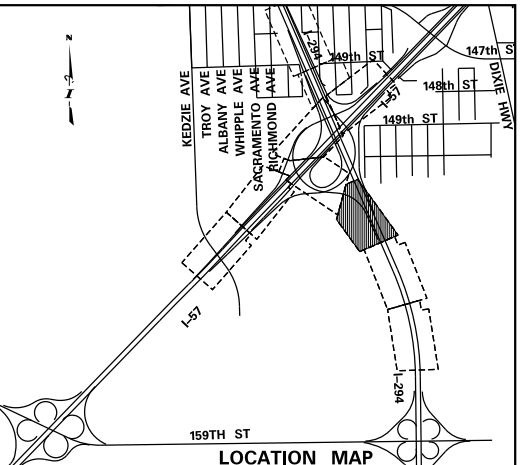
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CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 EROSION CONTROL PLANS
 STAGE 1

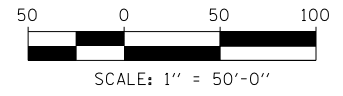
SHEET EC-08
 149 OF 606

LEGEND

- CLEARING AND GRADING LIMITS (LIMITS OF CONSTRUCTIONS)
- RECTANGULAR INLET PROTECTION (JS280180) (IC)
- FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210) (IC)
- TEMPORARY STABILIZATION WITH STRAW MULCH (JS280150)
- SAME-DAY STABILIZATION (JS280151) EROSION CONTROL BLANKET (25100630) TEMPORARY EROSION CONTROL SEEDING (28000250)
- EXISTING WETLAND/WOUS
- WETLAND/WOUS TEMPORARY IMPACT
- TEMPORARY DITCH CHECKS (JS280305) FLOC LOG (JT280510)
- CULVERT INLET PROTECTION-FENCE (JS280100) (IC)
- CULVERT INLET PROTECTION-STONE (JS280140) (IC)
- SILT FENCE (JS280050) (IC)
- SUPER SILT FENCE (JS280100) (IC)
- STABILIZED CONSTRUCTION ENTRANCE (JS280070) (IC)
- INITIAL CONSTRUCTION ITEM (IC)
- WETLAND/WOUS PERMANENT IMPACT



- NOTES:**
1. SURFACE ROUGHING SHALL BE UTILIZED ON ALL BARE BRIDGE EMBANKMENT SURFACES.
 2. AREAS OF STEEP SLOPES SHALL UTILIZE SAME DAY STABILIZATION.
 3. ALL TEMPORARY DITCH CHECKS ARE SPACED AT 75' WITH A DESIGN HEIGHT OF 9" UNLESS OTHERWISE NOTED.



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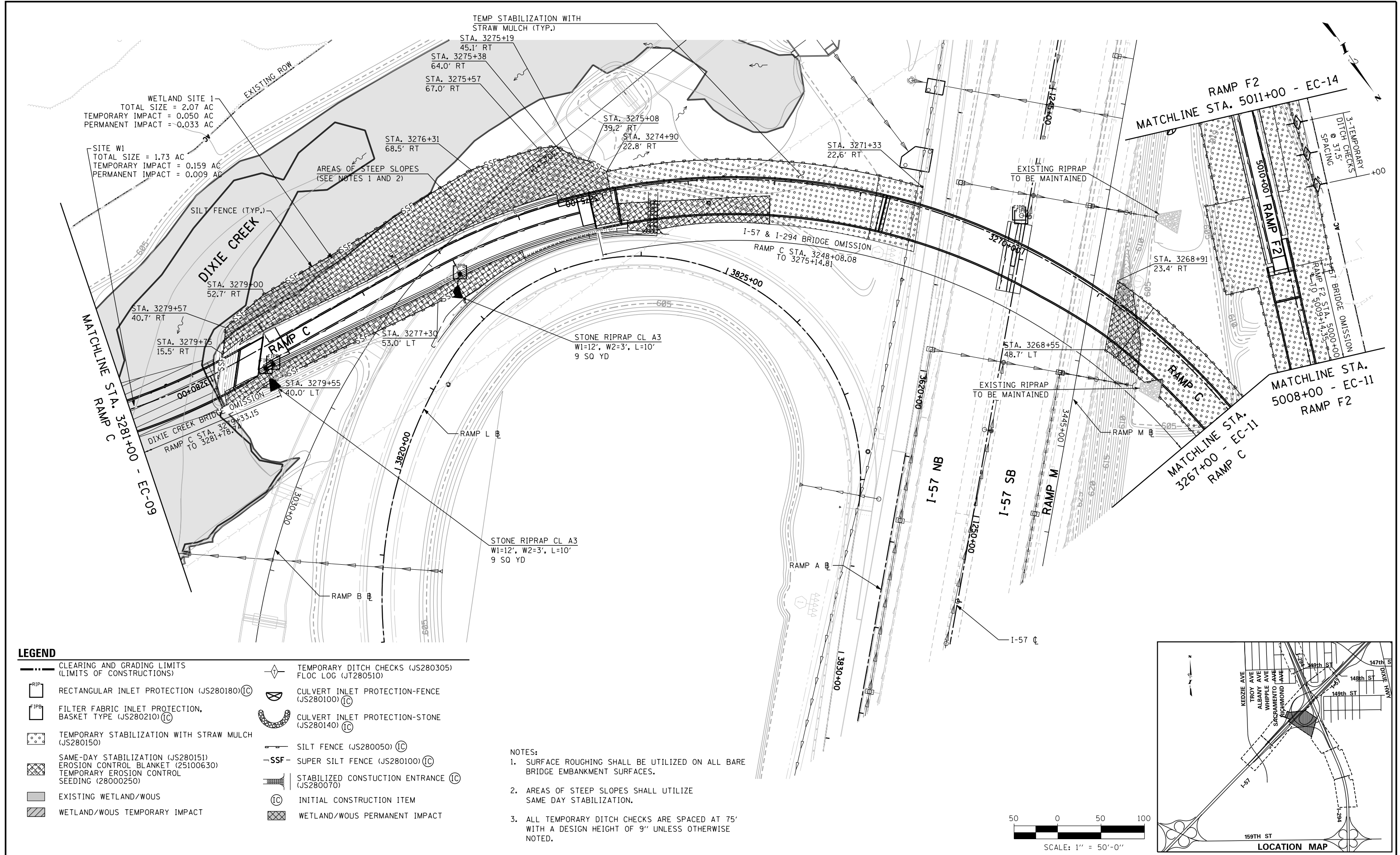
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NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
EROSION CONTROL PLANS
STAGE 1

SHEET EC-09
150 OF 606

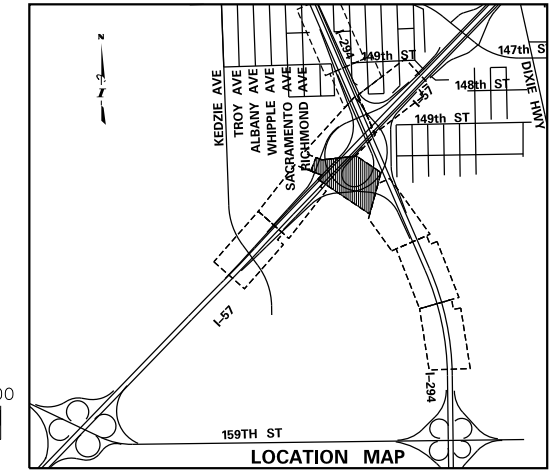
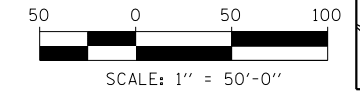
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LEGEND	
	CLEARING AND GRADING LIMITS (LIMITS OF CONSTRUCTIONS)
	RECTANGULAR INLET PROTECTION (JS280180) (IC)
	FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210) (IC)
	TEMPORARY STABILIZATION WITH STRAW MULCH (JS280150)
	SAME-DAY STABILIZATION (JS280151) EROSION CONTROL BLANKET (25100630) TEMPORARY EROSION CONTROL SEEDING (28000250)
	EXISTING WETLAND/WOUS
	WETLAND/WOUS TEMPORARY IMPACT
	TEMPORARY DITCH CHECKS (JS280305) FLOC LOG (JT280510)
	CULVERT INLET PROTECTION-FENCE (JS280100) (IC)
	CULVERT INLET PROTECTION-STONE (JS280140) (IC)
	SILT FENCE (JS280050) (IC)
	SUPER SILT FENCE (JS280100) (IC)
	STABILIZED CONSTRUCTION ENTRANCE (JS280070) (IC)
	INITIAL CONSTRUCTION ITEM
	WETLAND/WOUS PERMANENT IMPACT

NOTES:

- SURFACE ROUGHING SHALL BE UTILIZED ON ALL BARE BRIDGE EMBANKMENT SURFACES.
- AREAS OF STEEP SLOPES SHALL UTILIZE SAME DAY STABILIZATION.
- ALL TEMPORARY DITCH CHECKS ARE SPACED AT 75' WITH A DESIGN HEIGHT OF 9" UNLESS OTHERWISE NOTED.



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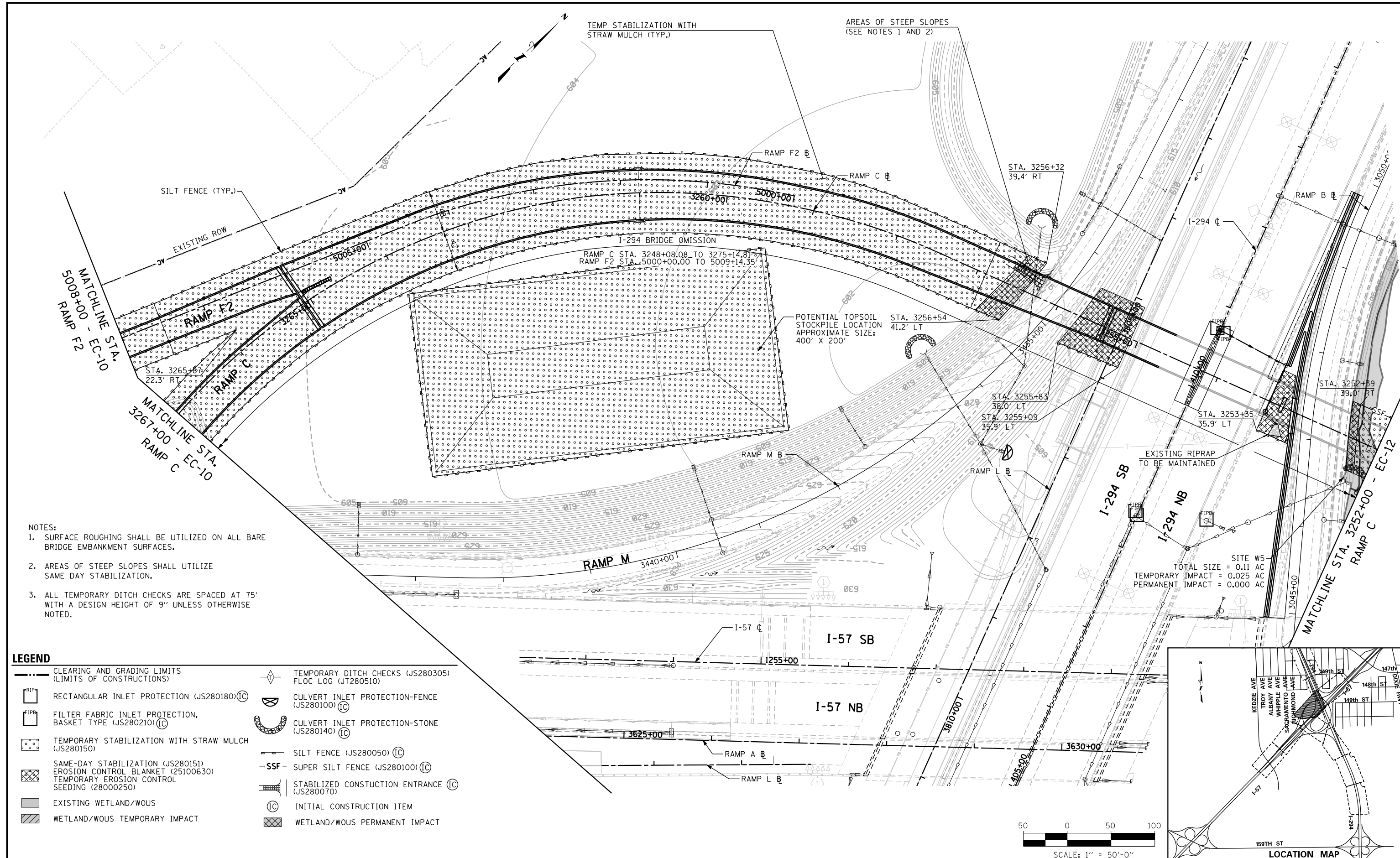
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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
EROSION CONTROL PLANS
STAGE 1

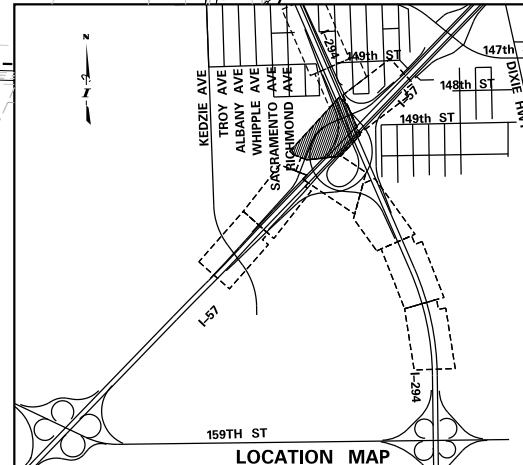
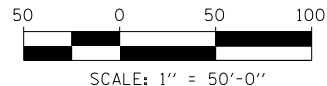
SHEET EC-10
151 OF 606



- NOTES:
1. SURFACE ROUGHING SHALL BE UTILIZED ON ALL BARE BRIDGE EMBANKMENT SURFACES.
 2. AREAS OF STEEP SLOPES SHALL UTILIZE SAME DAY STABILIZATION.
 3. ALL TEMPORARY DITCH CHECKS ARE SPACED AT 75' WITH A DESIGN HEIGHT OF 9" UNLESS OTHERWISE NOTED.

LEGEND

CLEARING AND GRADING LIMITS (LIMITS OF CONSTRUCTIONS)	TEMPORARY DITCH CHECKS (JS280305) FLOC LOG (JT280510)
RECTANGULAR INLET PROTECTION (JS280180) (IC)	CULVERT INLET PROTECTION-FENCE (JS280100) (IC)
FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210) (IC)	CULVERT INLET PROTECTION-STONE (JS280140) (IC)
TEMPORARY STABILIZATION WITH STRAW MULCH (JS280150)	SILT FENCE (JS280050) (IC)
SAME-DAY STABILIZATION (JS280151) EROSION CONTROL BLANKET (25100630) TEMPORARY EROSION CONTROL SEEDING (28000250)	SUPER SILT FENCE (JS280100) (IC)
EXISTING WETLAND/WOUS	STABILIZED CONSTRUCTION ENTRANCE (JS280070)
WETLAND/WOUS TEMPORARY IMPACT	INITIAL CONSTRUCTION ITEM
	WETLAND/WOUS PERMANENT IMPACT



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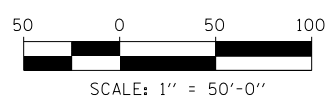
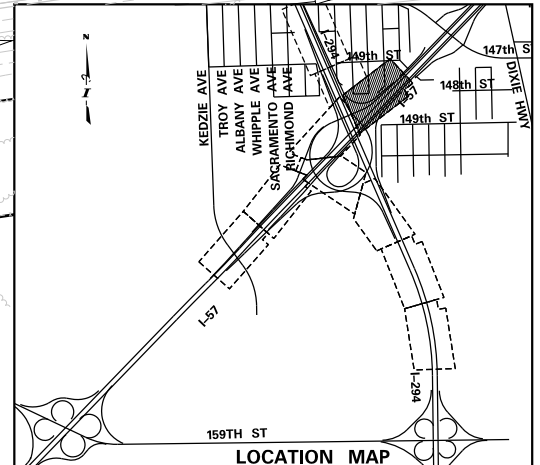
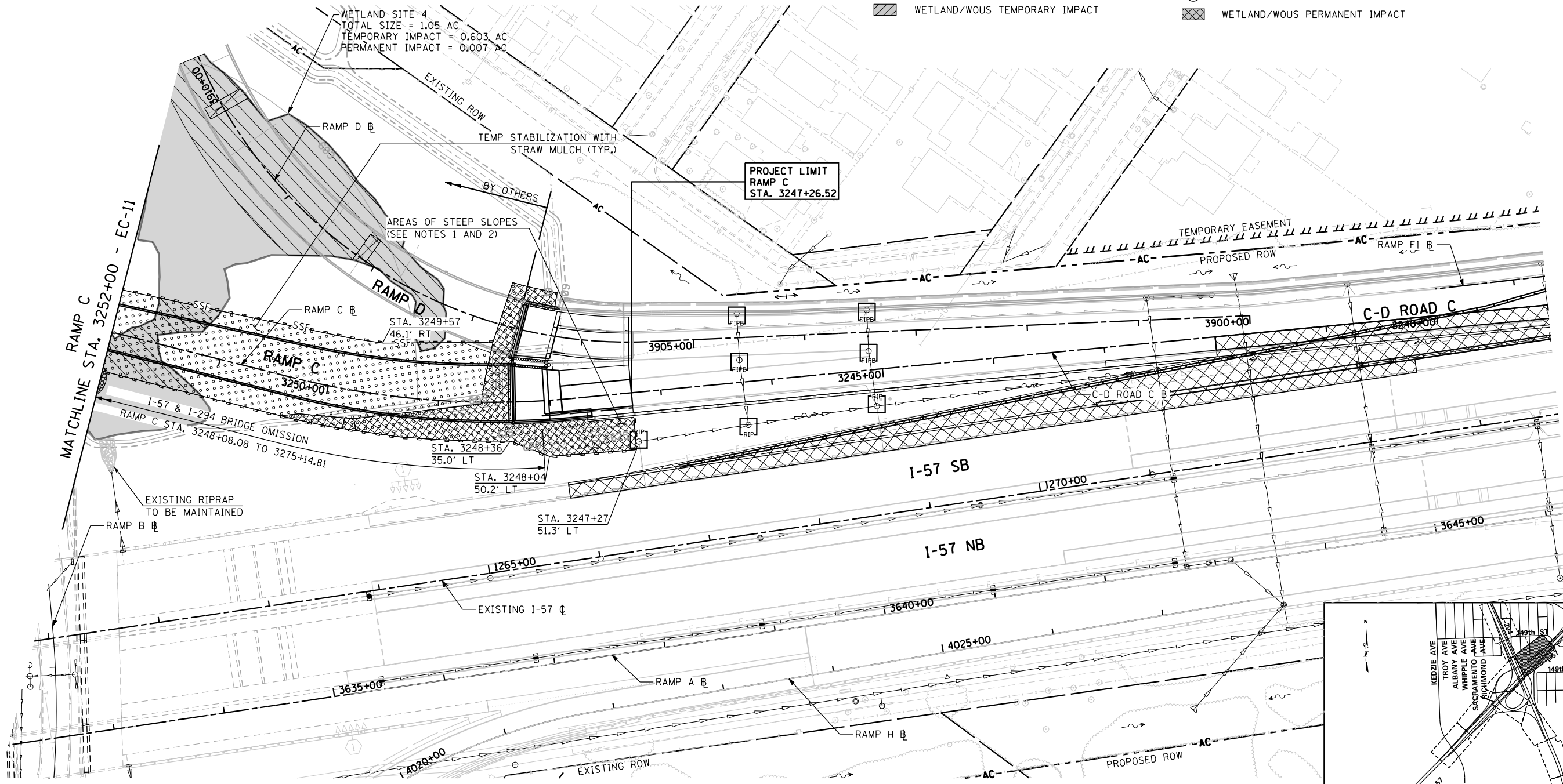
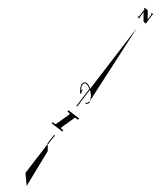
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NO.	DATE	DESCRIPTION

CONTRACT **I-19-4495** SHEET **EC-11**
I-57 AT 294 RAMPS C AND F2
EROSION CONTROL PLANS
STAGE 1
152 OF 606

- NOTES:**
1. SURFACE ROUGHING SHALL BE UTILIZED ON ALL BARE BRIDGE EMBANKMENT SURFACES.
 2. AREAS OF STEEP SLOPES SHALL UTILIZE SAME DAY STABILIZATION.
 3. ALL TEMPORARY DITCH CHECKS ARE SPACED AT 75' WITH A DESIGN HEIGHT OF 9" UNLESS OTHERWISE NOTED.

LEGEND

- CLEARING AND GRADING LIMITS (LIMITS OF CONSTRUCTIONS)
- [RIP] RECTANGULAR INLET PROTECTION (JS280180) (IC)
- [FIPb] FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210) (IC)
- [S] TEMPORARY STABILIZATION WITH STRAW MULCH (JS280150)
- [X] SAME-DAY STABILIZATION (JS280151) EROSION CONTROL BLANKET (25100630) TEMPORARY EROSION CONTROL SEEDING (28000250)
- [W] EXISTING WETLAND/WOUS
- [W-T] WETLAND/WOUS TEMPORARY IMPACT
- [D] TEMPORARY DITCH CHECKS (JS280305) FLOC LOG (JT280510)
- [C] CULVERT INLET PROTECTION-FENCE (JS280100) (IC)
- [CS] CULVERT INLET PROTECTION-STONE (JS280140) (IC)
- [S-F] SILT FENCE (JS280050) (IC)
- [SSF] SUPER SILT FENCE (JS280100) (IC)
- [SE] STABILIZED CONSTRUCTION ENTRANCE (IC) (JS280070)
- [IC] INITIAL CONSTRUCTION ITEM
- [W-P] WETLAND/WOUS PERMANENT IMPACT



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 2700 OGDEN AVENUE
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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2 EROSION CONTROL PLANS
STAGE 1

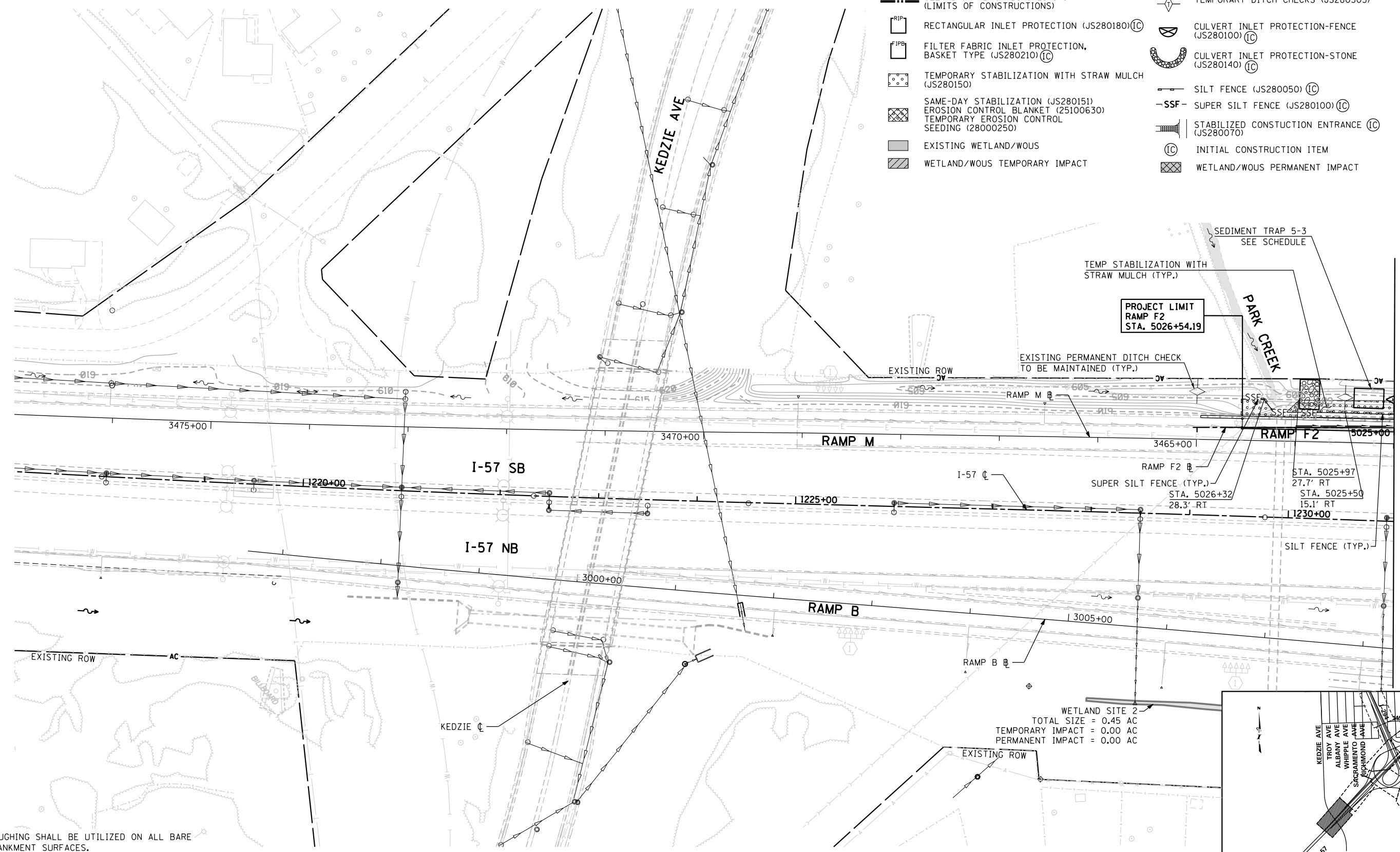
SHEET EC-12
153 OF 606

LEGEND

- CLEARING AND GRADING LIMITS (LIMITS OF CONSTRUCTIONS)
- [RIP] RECTANGULAR INLET PROTECTION (JS280180) (IC)
- [FIPB] FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210) (IC)
- [SMM] TEMPORARY STABILIZATION WITH STRAW MULCH (JS280150)
- [ECS] SAME-DAY STABILIZATION (JS280151)
- [ECB] EROSION CONTROL BLANKET (25100630)
- [TES] TEMPORARY EROSION CONTROL SEEDING (28000250)
- [EW] EXISTING WETLAND/WOUS
- [WWT] WETLAND/WOUS TEMPORARY IMPACT
- [TDC] TEMPORARY DITCH CHECKS (JS280305)
- [CIPF] CULVERT INLET PROTECTION-FENCE (JS280100) (IC)
- [CIPST] CULVERT INLET PROTECTION-STONE (JS280140) (IC)
- [SIF] SILT FENCE (JS280050) (IC)
- [SSF] SUPER SILT FENCE (JS280100) (IC)
- [SCE] STABILIZED CONSTRUCTION ENTRANCE (JS280070)
- [IC] INITIAL CONSTRUCTION ITEM
- [WPI] WETLAND/WOUS PERMANENT IMPACT

MATCHLINE STA. 5025+00 - EC-14

RAMP F2



**PROJECT LIMIT
RAMP F2
STA. 5026+54.19**

EXISTING PERMANENT DITCH CHECK TO BE MAINTAINED (TYP.)

TEMP STABILIZATION WITH STRAW MULCH (TYP.)

SEDIMENT TRAP 5-3
SEE SCHEDULE

PARK CREEK

EXISTING ROW

RAMP M

RAMP F2

I-57 SB

I-57 NB

RAMP M

RAMP B

RAMP F2
SUPER SILT FENCE (TYP.)
STA. 5026+32
28.3' RT

SILT FENCE (TYP.)

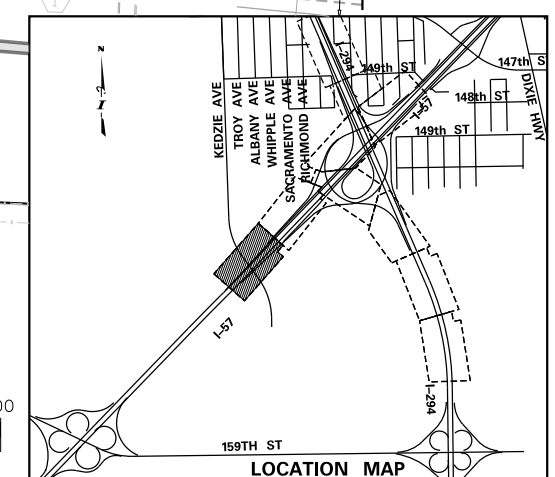
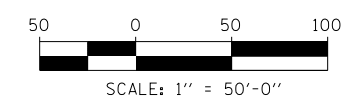
STA. 5025+97
27.7' RT
STA. 5025+50
15.1' RT

RAMP B

EXISTING ROW

WETLAND SITE 2
TOTAL SIZE = 0.45 AC
TEMPORARY IMPACT = 0.00 AC
PERMANENT IMPACT = 0.00 AC

- NOTES:**
1. SURFACE ROUGHING SHALL BE UTILIZED ON ALL BARE BRIDGE EMBANKMENT SURFACES.
 2. AREAS OF STEEP SLOPES SHALL UTILIZE SAME DAY STABILIZATION.
 3. ALL TEMPORARY DITCH CHECKS ARE SPACED AT 75' WITH A DESIGN HEIGHT OF 9" UNLESS OTHERWISE NOTED.



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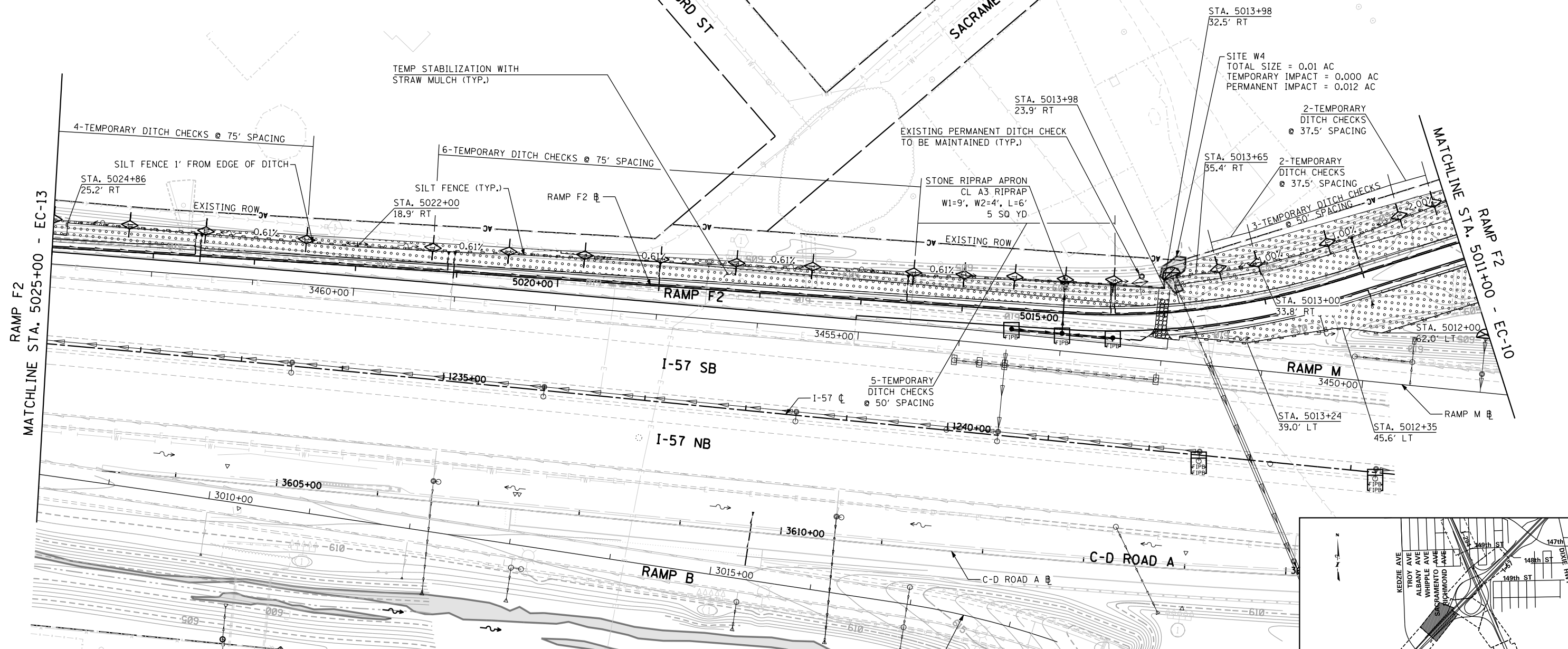
CONTRACT I-19-4495
**I-57 AT 294 RAMPS C AND F2
EROSION CONTROL PLANS
STAGE 1**

SHEET **EC-13**
154 OF **606**

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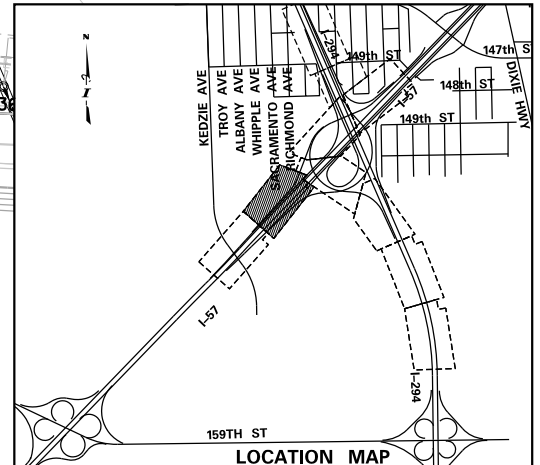
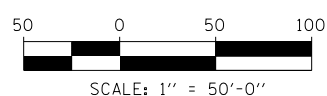
LEGEND

- CLEARING AND GRADING LIMITS (LIMITS OF CONSTRUCTIONS)
- [RIP] RECTANGULAR INLET PROTECTION (JS280180) (IC)
- [FIPB] FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210) (IC)
- [S.M.] TEMPORARY STABILIZATION WITH STRAW MULCH (JS280150)
- [S.D.S.] SAME-DAY STABILIZATION (JS280151)
- [E.C.B.] EROSION CONTROL BLANKET (25100630)
- [T.E.C.] TEMPORARY EROSION CONTROL SEEDING (28000250)
- [W.] EXISTING WETLAND/WOUS
- [W.T.I.] WETLAND/WOUS TEMPORARY IMPACT
- [D.C.] TEMPORARY DITCH CHECKS (JS280305)
- [C.I.P.] CULVERT INLET PROTECTION-FENCE (JS280100) (IC)
- [C.I.S.] CULVERT INLET PROTECTION-STONE (JS280140) (IC)
- [S.F.] SILT FENCE (JS280050) (IC)
- [S.S.F.] SUPER SILT FENCE (JS280100) (IC)
- [S.C.E.] STABILIZED CONSTRUCTION ENTRANCE (IC)
- [I.C.] INITIAL CONSTRUCTION ITEM
- [W.P.I.] WETLAND/WOUS PERMANENT IMPACT



- NOTES:**
1. SURFACE ROUGHING SHALL BE UTILIZED ON ALL BARE BRIDGE EMBANKMENT SURFACES.
 2. AREAS OF STEEP SLOPES SHALL UTILIZE SAME DAY STABILIZATION.
 3. ALL TEMPORARY DITCH CHECKS ARE SPACED AT 75' WITH A DESIGN HEIGHT OF 9" UNLESS OTHERWISE NOTED.

WETLAND SITE 2
 TOTAL SIZE = 0.45 AC
 TEMPORARY IMPACT = 0.00 AC
 PERMANENT IMPACT = 0.00 AC



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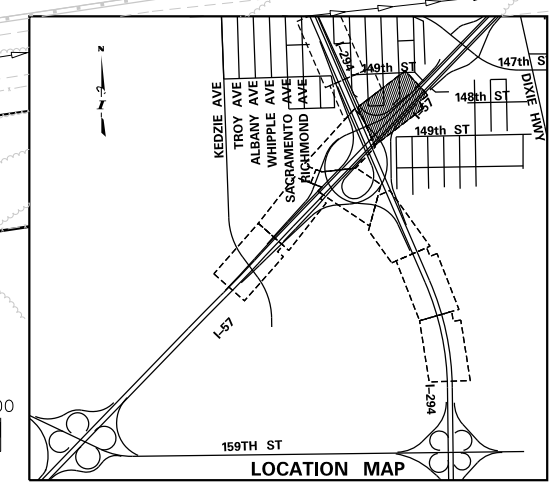
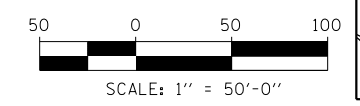
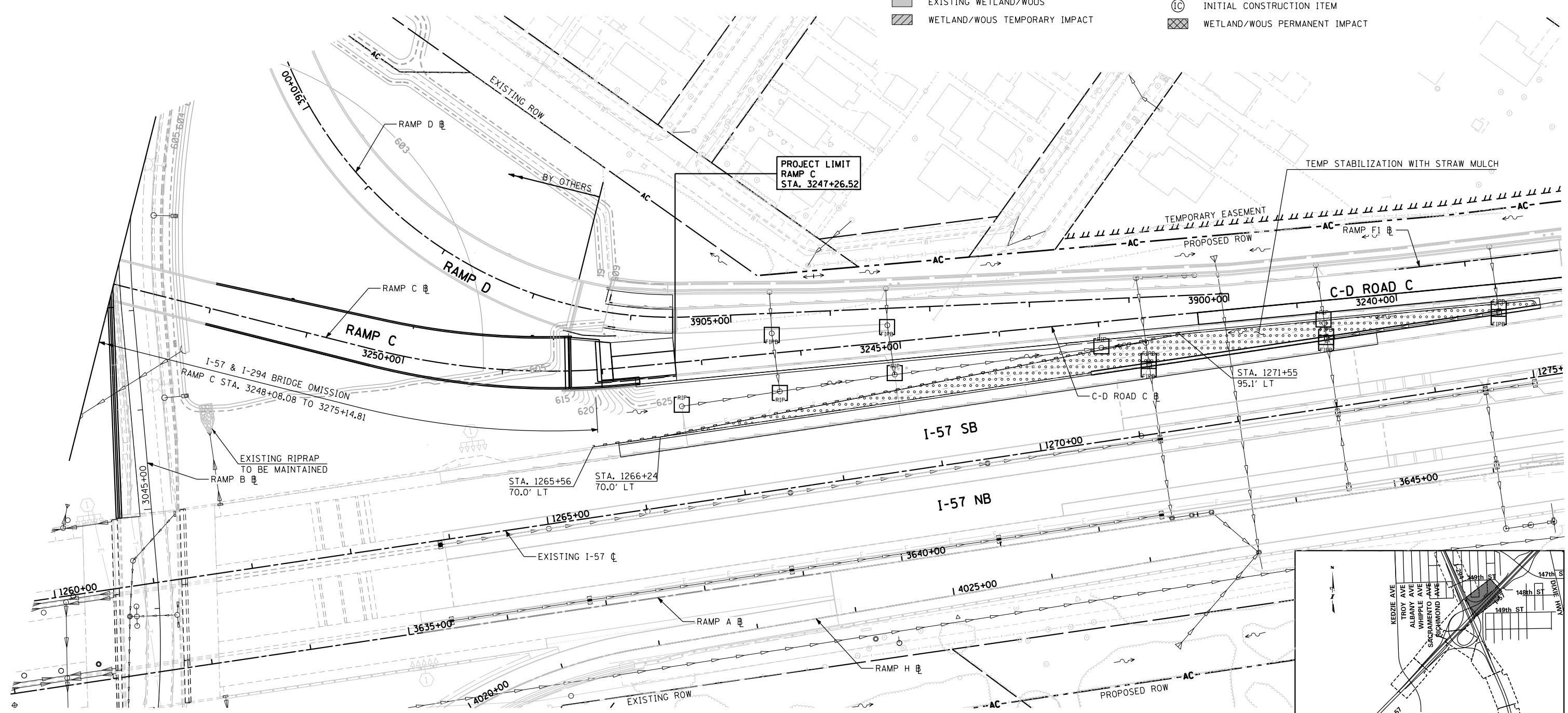
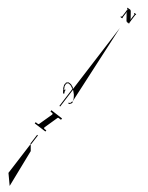
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
EROSION CONTROL PLANS
STAGE 1

SHEET EC-14
155 OF 606

- NOTES:
1. SURFACE ROUGHING SHALL BE UTILIZED ON ALL BARE BRIDGE EMBANKMENT SURFACES.
 2. AREAS OF STEEP SLOPES SHALL UTILIZE SAME DAY STABILIZATION.
 3. ALL TEMPORARY DITCH CHECKS ARE SPACED AT 75' WITH A DESIGN HEIGHT OF 9" UNLESS OTHERWISE NOTED.

LEGEND

- CLEARING AND GRADING LIMITS (LIMITS OF CONSTRUCTIONS)
- RIP RECTANGULAR INLET PROTECTION (JS280180) (IC)
- FIPB FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210) (IC)
- TEMPORARY STABILIZATION WITH STRAW MULCH (JS280150)
- ▨ SAME-DAY STABILIZATION (JS280151) EROSION CONTROL BLANKET (25100630) TEMPORARY EROSION CONTROL SEEDING (28000250)
- ▨ EXISTING WETLAND/WOUS
- ▨ WETLAND/WOUS TEMPORARY IMPACT
- ◇ TEMPORARY DITCH CHECKS (JS280305)
- ⊗ CULVERT INLET PROTECTION-FENCE (JS280100) (IC)
- ⊗ CULVERT INLET PROTECTION-STONE (JS280140) (IC)
- SILT FENCE (JS280050) (IC)
- SSF — SUPER SILT FENCE (JS280100) (IC)
- ⊗ STABILIZED CONSTRUCTION ENTRANCE (JS280070)
- ⊗ INITIAL CONSTRUCTION ITEM
- ▨ WETLAND/WOUS PERMANENT IMPACT



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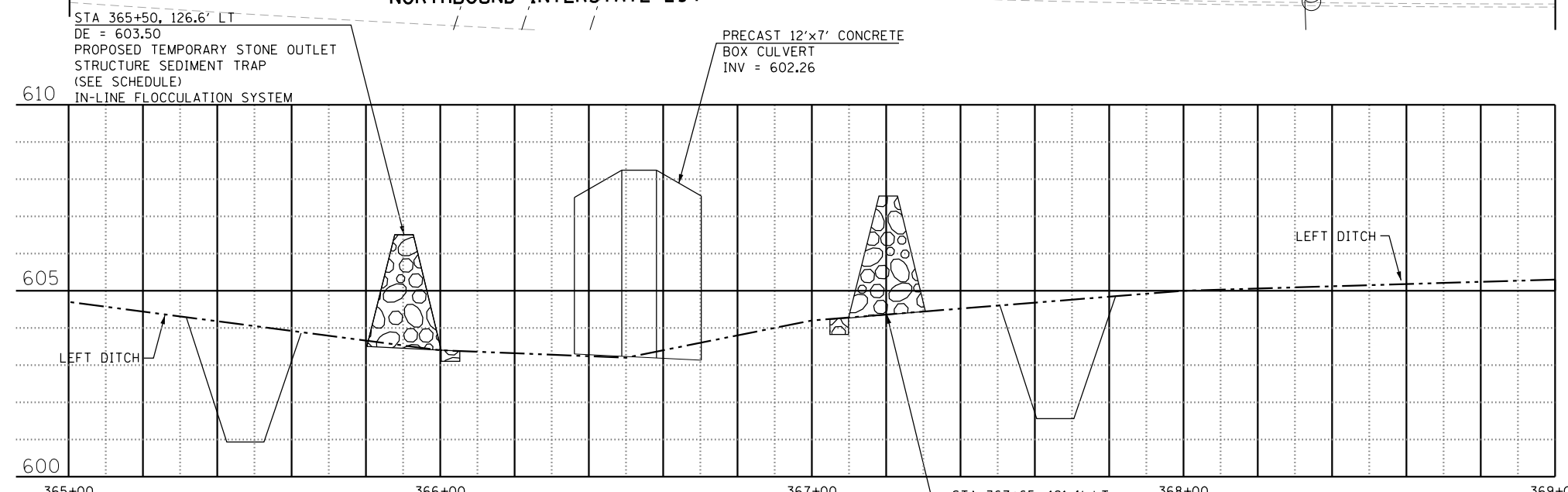
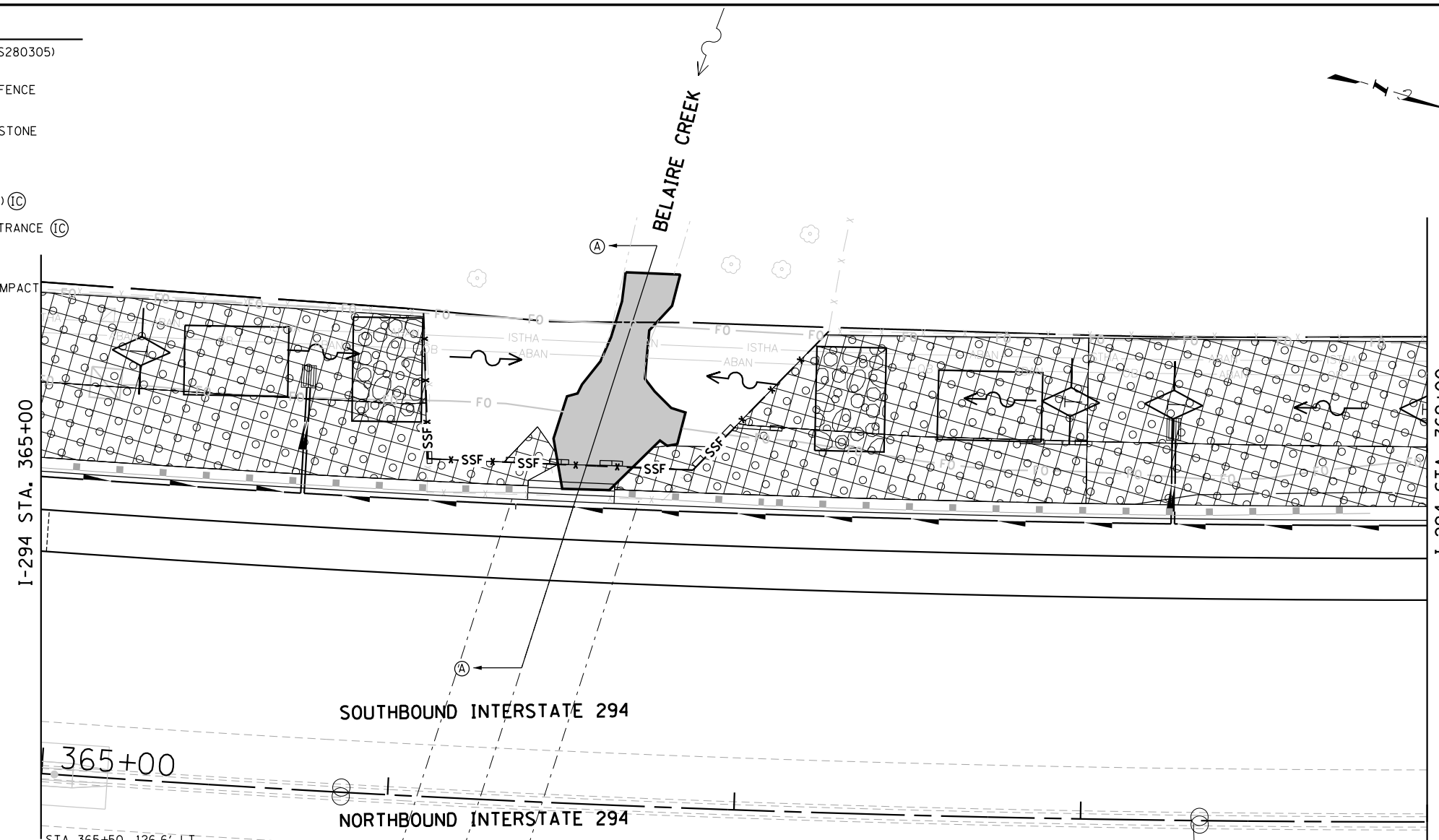
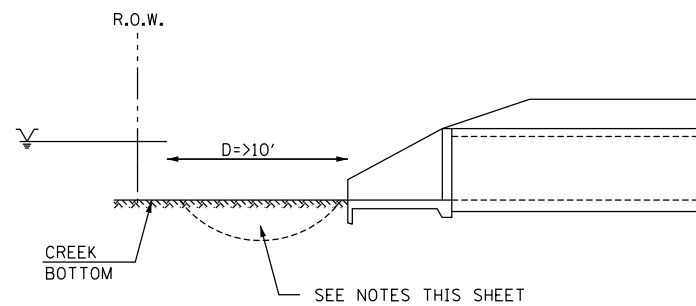
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
EROSION CONTROL PLANS
STAGE 2

SHEET **EC-15**
156 OF **606**

LEGEND

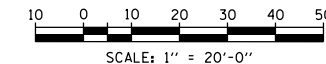
- CLEARING AND GRADING LIMITS (LIMITS OF CONSTRUCTIONS)
- RECTANGULAR INLET PROTECTION (JS280180) (IC)
- FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210) (IC)
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- SAME-DAY STABILIZATION (JS280151) EROSION CONTROL BLANKET (25100630) TEMPORARY EROSION CONTROL SEEDING (28000250)
- EXISTING WETLAND/WOUs
- WETLAND/WOUs TEMPORARY IMPACT
- TEMPORARY DITCH CHECKS (JS280305) FLOC LOG (JT280510)
- CULVERT INLET PROTECTION-FENCE (JS280100) (IC)
- CULVERT INLET PROTECTION-STONE (JS280140) (IC)
- SILT FENCE (JS280050) (IC)
- SSF- SUPER SILT FENCE (JS280100) (IC)
- STABILIZED CONSTRUCTION ENTRANCE (JS280070) (IC)
- (IC) INITIAL CONSTRUCTION ITEM
- WETLAND/WOUs PERMANENT IMPACT

SECTION A-A
N.T.S.



BELAIRE CREEK EROSION NOTES:

GUIDELINES FOR ACCEPTABLE IN-STREAM SEDIMENT CONTROL DEVICES AND WORK TECHNIQUES CAN BE FOUND ON THE US ARMY CORPS OF ENGINEERS (USACE) WEBSITE. THE CONTRACTOR SHALL ENSURE CLEARING AND EXCAVATION WITHIN THE WATERCOURSE ARE LIMITED TO THE MINIMUM PRACTICAL.



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DATE **3-12-2020**
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NO.	DATE	DESCRIPTION

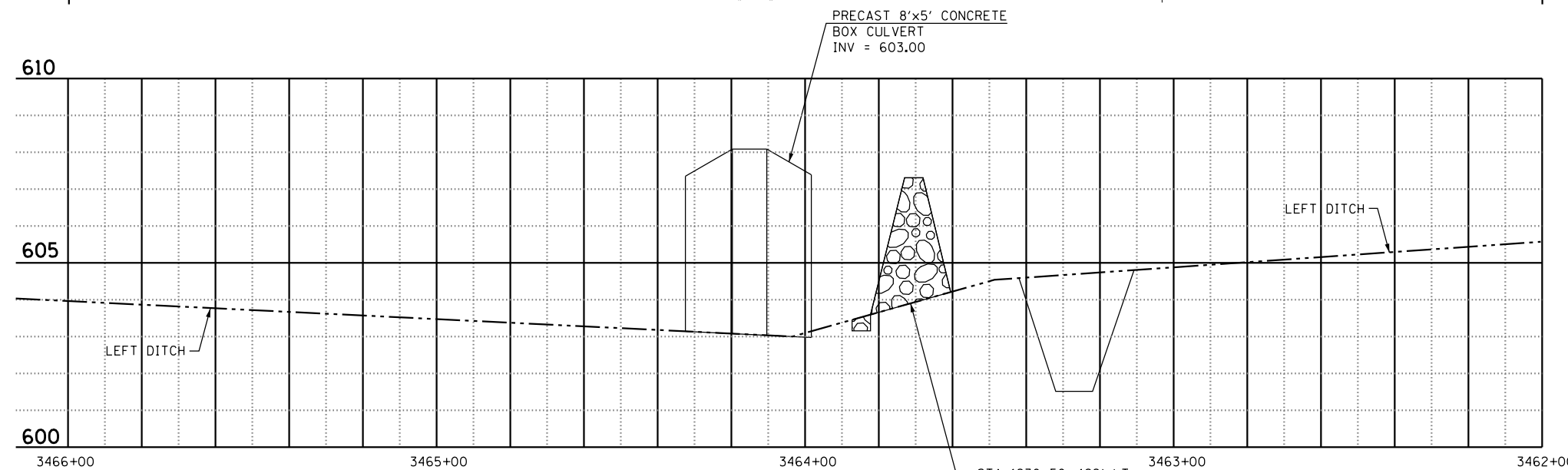
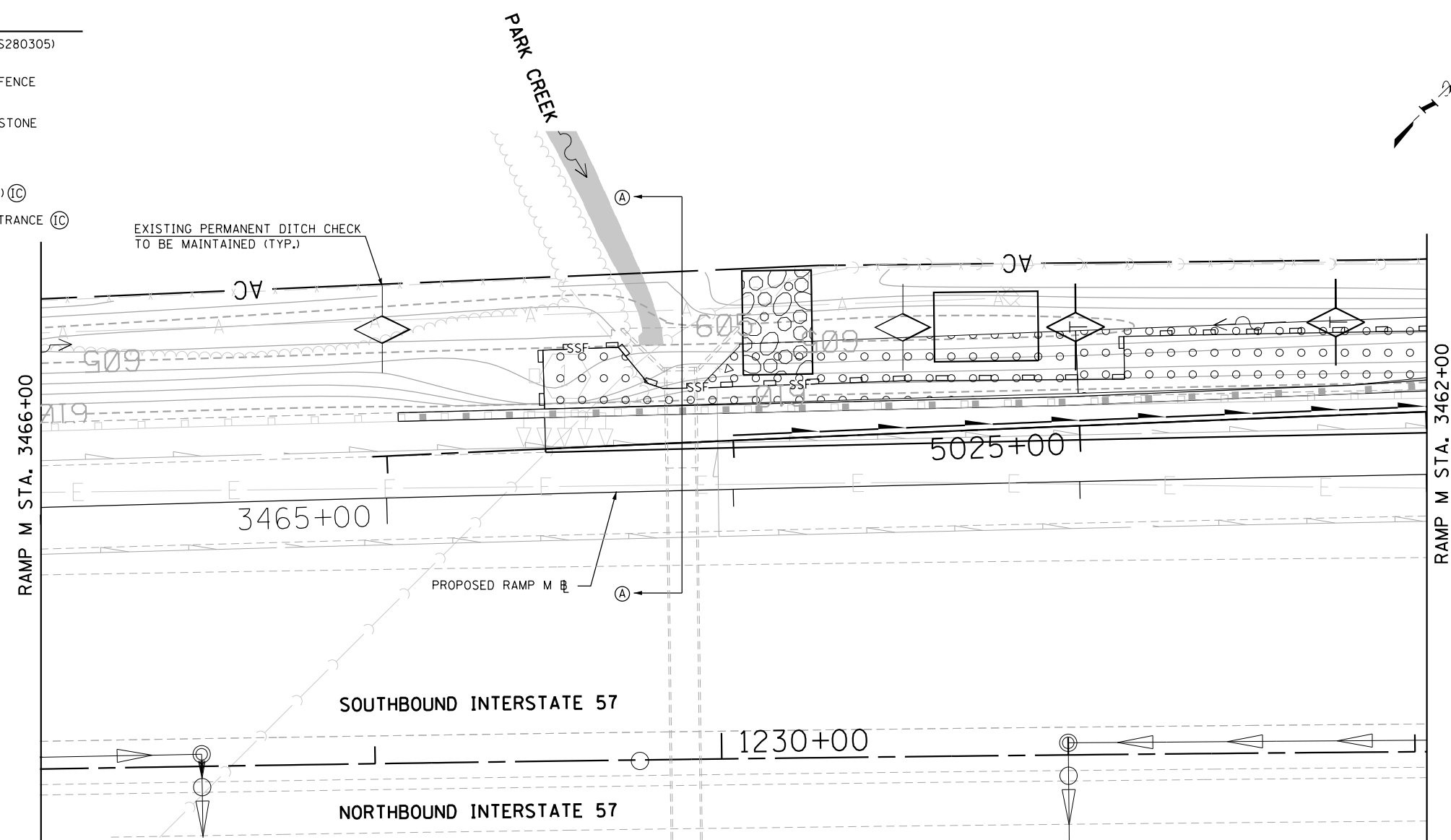
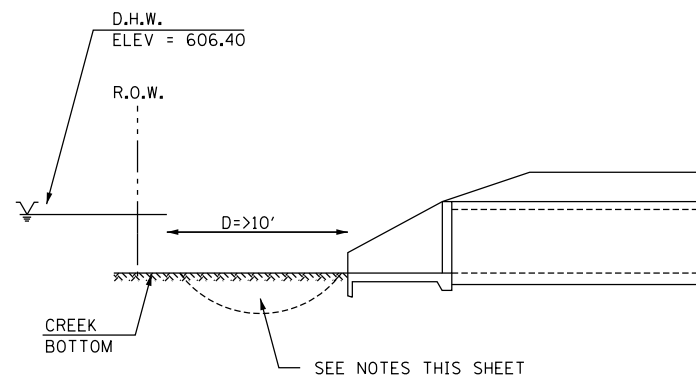
CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2
EROSION CONTROL PLANS

SHEET **EC-16**
157 OF **606**

LEGEND

- CLEARING AND GRADING LIMITS (LIMITS OF CONSTRUCTIONS)
- RECTANGULAR INLET PROTECTION (JS280180) (IC)
- FILTER FABRIC INLET PROTECTION, BASKET TYPE (JS280210) (IC)
- TEMPORARY STABILIZATION WITH STRAW MULCH (JS280150)
- SAME-DAY STABILIZATION (JS280151) EROSION CONTROL BLANKET (25100630) TEMPORARY EROSION CONTROL SEEDING (28000250)
- TEMPORARY DITCH CHECKS (JS280305) FLOC LOG (JT280510)
- CULVERT INLET PROTECTION-FENCE (JS280100) (IC)
- CULVERT INLET PROTECTION-STONE (JS280140) (IC)
- SILT FENCE (JS280050) (IC)
- SSF- SUPER SILT FENCE (JS280100) (IC)
- STABILIZED CONSTRUCTION ENTRANCE (JS280070) (IC)
- (IC) INITIAL CONSTRUCTION ITEM

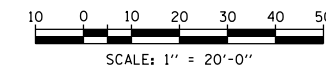
SECTION A-A
N.T.S.



PARK CREEK EROSION NOTES:

GUIDELINES FOR ACCEPTABLE IN-STREAM SEDIMENT CONTROL DEVICES AND WORK TECHNIQUES CAN BE FOUND ON THE US ARMY CORPS OF ENGINEERS (USACE) WEBSITE. THE CONTRACTOR SHALL ENSURE CLEARING AND EXCAVATION WITHIN THE WATERCOURSE ARE LIMITED TO THE MINIMUM PRACTICAL.

STA 1230+50, 122' LT
DE = 604.50
PROPOSED TEMPORARY STONE OUTLET
STRUCTURE SEDIMENT TRAP
(SEE SCHEDULE)



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DATE **3-12-2020**
SCALE **1" = 20'**



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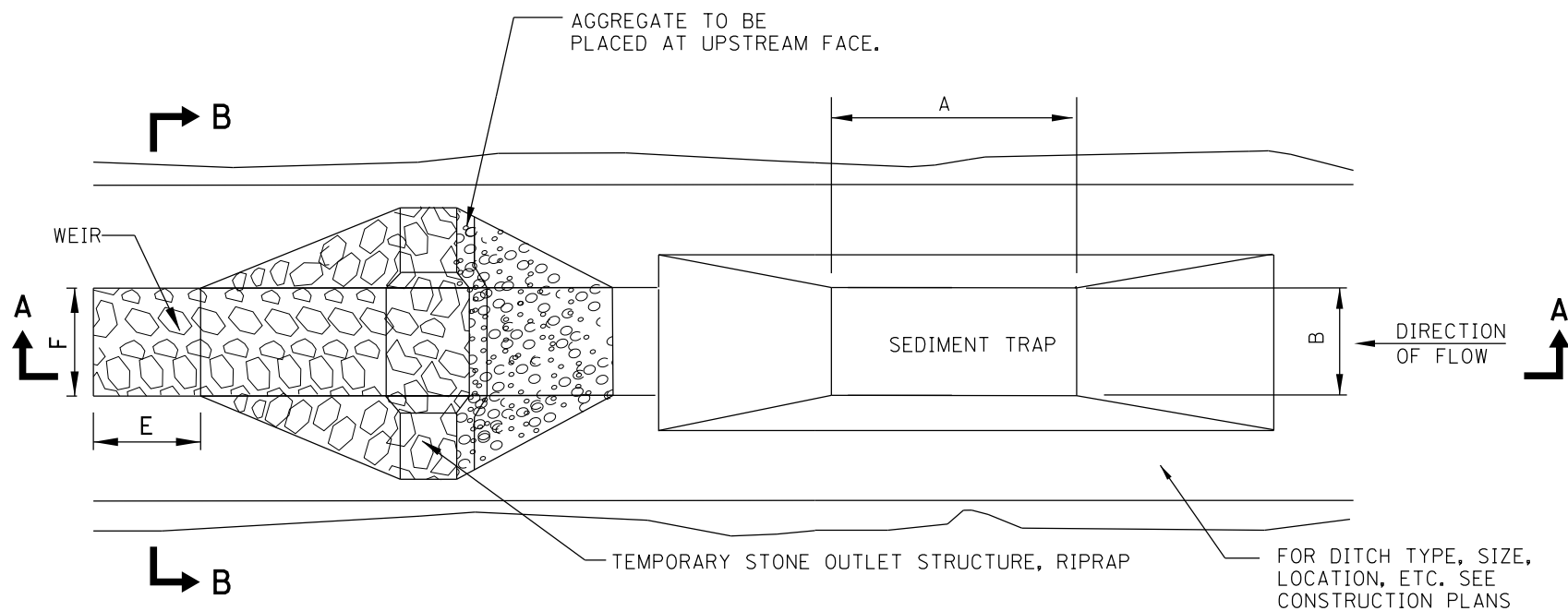


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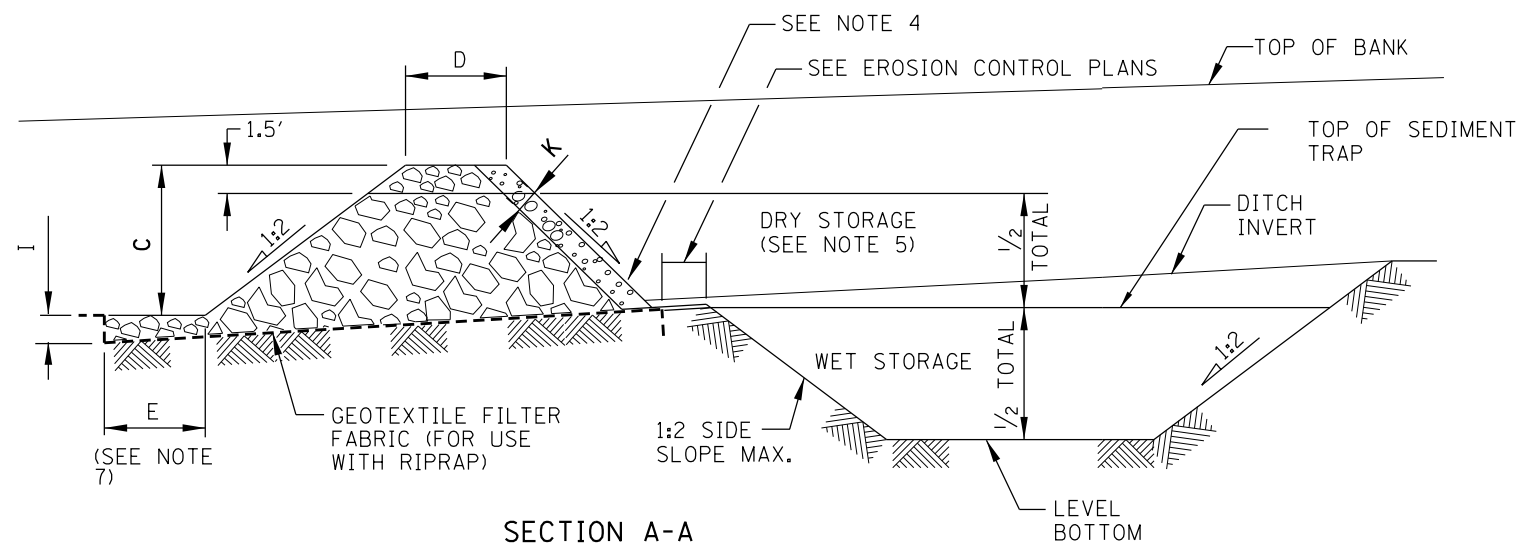
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NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
EROSION CONTROL PLANS

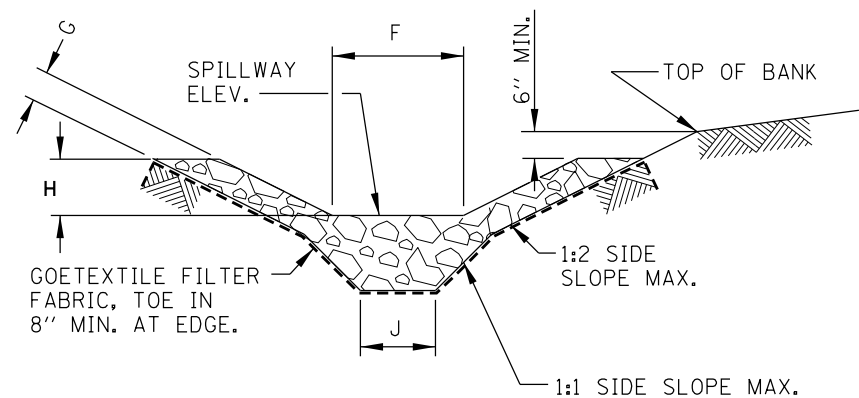
SHEET EC-17
158 OF 606



PLAN



SECTION A-A



SECTION B-B

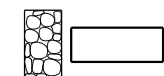
NOTES:

1. STONE OUTLET STRUCTURES TO BE USED IN EXISTING, PROPOSED AND TEMPORARY DITCHES OF ALL TYPES.
2. THE STONE OUTLET STRUCTURES SHALL BE REPLACED DUE TO WASHOUT, CONSTRUCTION TRAFFIC DAMAGE OR SILT ACCUMULATION. THE SILT SHALL BE CLEANED OUT WHEN WET STORAGE PORTION OF TRAP IS 50% FULL.
3. A LAYER OF AGGREGATE SHALL BE PLACED AGAINST THE UPSTREAM FACE OF THE TEMPORARY STONE OUTLET STRUCTURE.
4. THE DETENTION STORAGE SHALL BE COMPOSED OF EQUAL VOLUMES OF "WET" AND "DRY" STORAGE AREAS. HALF THE DETENTION STORAGE SHALL BE BELOW THE PERMEABLE FILL.
5. THE MINIMUM LENGTH TO WIDTH RATIO OF SEDIMENT TRAP SHALL BE 2:1.
6. THE SPILLWAY WEIR SHALL BE DETERMINED BY THE DRAINAGE RUNOFF FROM THE CONTRIBUTING AREA.
7. REFERENCE DESIGN CRITERIA: ILLINOIS URBAN MANUAL AND IDOT BUREAU OF DESIGN AND ENVIROMENTAL MANUAL

DESIGN ELEMENTS		VALUES
DRAINAGE AREA	X (ACRES)	
SEDIMENT TRAP: STORAGE CAPACITY	V (CU. YD.)	
WET DETENTION STORAGE	1/2 V (CU. YD.)	
DRY DETENTION STORAGE	1/2 V (CU. YD.)	
SEDIMENT TRAP LENGTH	A (FEET)	
SEDIMENT TRAP WIDTH	B (FEET)	
STONE OUTLET STRUCTURE HEIGHT	C (FEET)	
STONE OUTLET STRUCTURE TOP WIDTH	D (FEET)	
WEIR LENGTH	E (FEET)	
WEIR TOP WIDTH	F (FEET)	
WEIR SIDE SLOPE THICKNESS	G (FEET)	
WEIR SIDE SLOPE HEIGHT	H (FEET)	
WEIR DEPTH	I (FEET)	
WEIR BASE WIDTH	J (FEET)	
RIPRAP	GRADATION	
AGGREGATE	GRADATION	
STONE OUTLET AGGREGATE THICKNESS	K (FEET)	

* - SEE SCHEDULE - SCH-07

STANDARD SYMBOL



STONE OUTLET STRUCTURE
SEDIMENT TRAP

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SCALE N.T.S.

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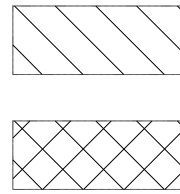
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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
EROSION CONTROL DETAILS

SHEET EC-18
159 OF 606

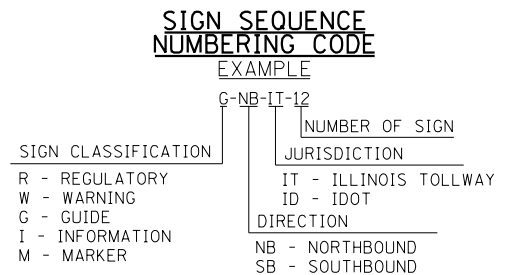
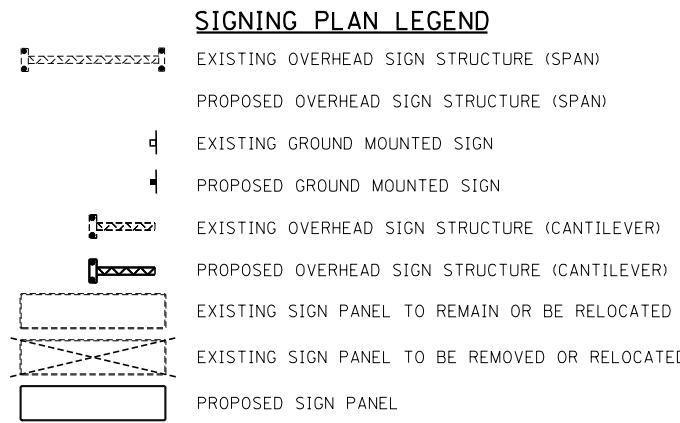
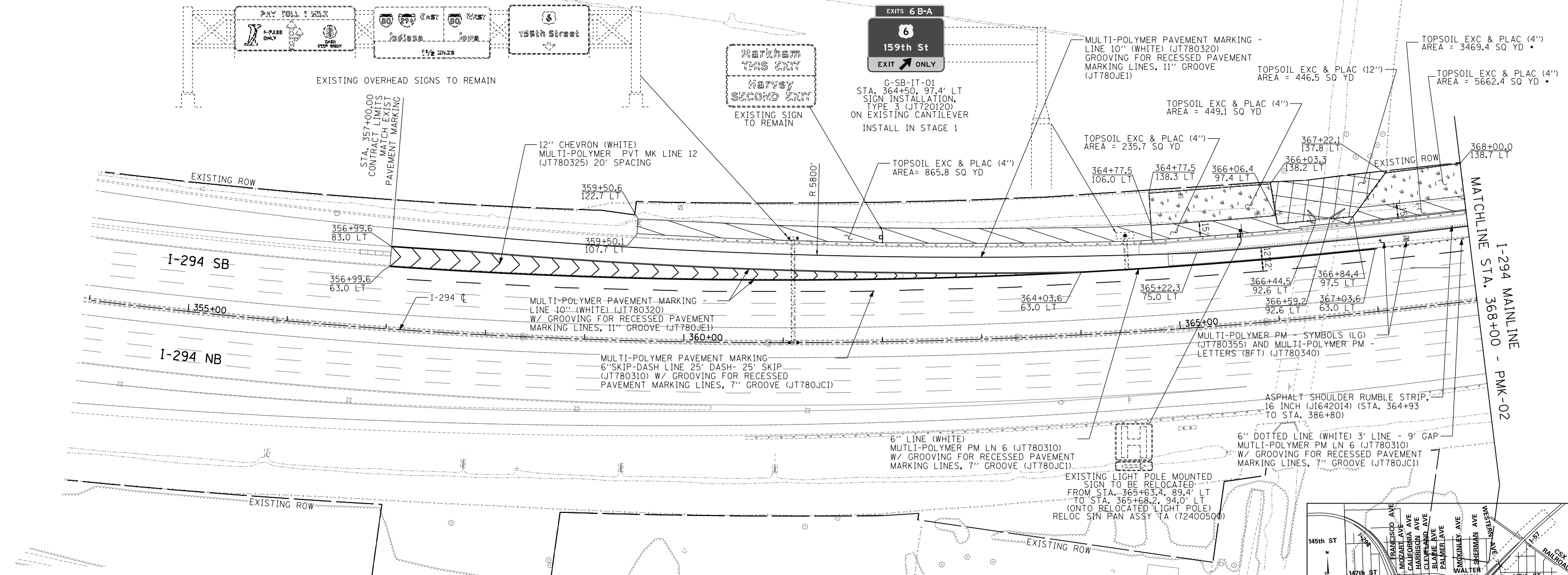
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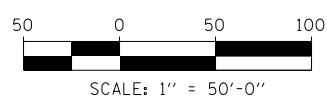
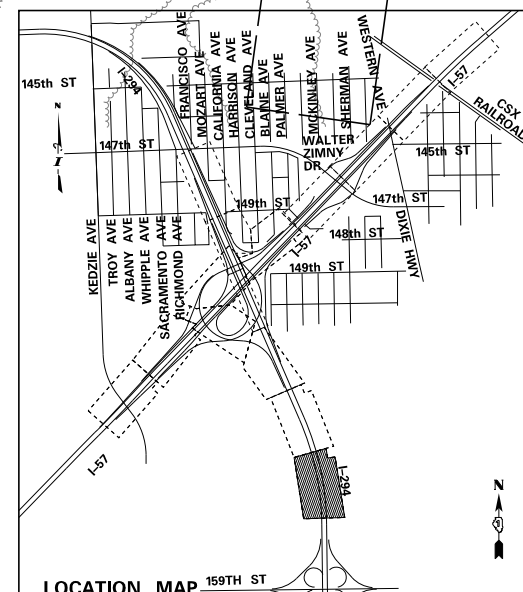
SEEDING, CLASS 2E (JS250220) - IT SALT TOLERANT ROADSIDE MIXTURE, EC BLANKET (25100630), NITROGEN AND POTASSIUM FERT NUTR (25000400 & 25000600), TOPSOIL EXC & PLAC (J1211110).

SEEDING, CLASS 4B (J3250314); SEEDING, CLASS 5B (JS250324) - WETLAND GRASS/SEDGE MIXTURE & FORBS W/ ANNUALS, EC BLANKET(25100630), IT NITROGEN & POTASSIUM FERT NUTR(25000400 & 25000600) TOPSOIL EXC & PLAC (J1211110).

SEEDING, CLASS 4F (JS250318); SEEDING, CLASS 5 (JS250320) - IT LOW PROF NATIVE GRASS MIX & FORBS W/ ANNUALS EC BLANKET (25100630), NITROGEN & POTASSIUM FERT NUTR (25000400 & 25000600), TOPSOIL EXC & PLAC (J1211110).



- PAVEMENT MARKING NOTES:**
 IDOT JURISDICTION:
 1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, CORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
 2. PREFORMED PLASTIC, TYPE D - INLAID OR GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON BITUMINOUS PAVEMENT.
 3. MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC EXCEPT FOR SKIP-DASH LINES.
 4. PREFORMED PLASTIC, TYPE D CONTRAST - GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON PCC PAVEMENT.
 TOLLWAY JURISDICTION:
 5. MULTI-POLYMER PAVEMENT MARKINGS SHALL BE USED FOR ALL MARKINGS ON TOLLWAY PAVEMENTS.
 6. PER TOLLWAY STANDARD D6, ALL LANE LINES AND EDGE LINES SHALL BE GROOVED, CORE STRIPING (CHEVRONS) AND LETTER AND SYMBOL MARKINGS SHALL BE SURFACE APPLIED.



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 DATE ... 4-3-2020 ...
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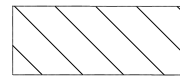


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

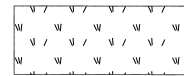
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2 PAVEMENT MARKING, SIGNING AND LANDSCAPE PLAN
 SHEET PMK-01
 160 OF 606

LANDSCAPE LEGEND:



SEEDING, CLASS 2E (JS250220) - IT SALT TOLERANT ROADSIDE MIXTURE, EC BLANKET (25100630), NITROGEN AND POTASSIUM FERT NUTR (25000400 & 25000600), TOPSOIL EXC & PLAC (J1211110).



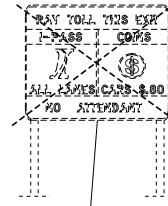
SEEDING, CLASS 4F (JS250318); SEEDING, CLASS 5 (JS250320) - IT LOW PROF NATIVE GRASS MIX & FORBS W/ ANNUALS EC BLANKET (25100630), NITROGEN & POTASSIUM FERT NUTR (25000400 & 25000600), TOPSOIL EXC & PLAC (J1211110).

• AREA IS QUANTIFIED OVER MULTIPLE SHEETS

G-SB-IT-02
STA. 370+00, 120.4' LT
CONC FOUNDATION (73400100)
STR STL SIN SUP BA (72700100)
SIGN INSTALLATION, TYPE 3 (JT720120)



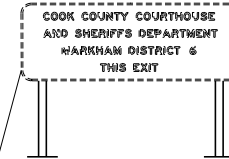
EXISTING SIGN TO BE REMOVED
STA. 371+01, 94.2' LT
REMOV SIGN PANEL T3 (72400330)
REM GR MT SIN SUPPORT (73700100)
REM CONC FDN-GR MT (73700200)



EXISTING SIGN TO BE RELOCATED
FROM STA. 372+98, 100.9' LT
TO STA. 373+00, 120.0' LT
RELOC SIGN PANEL T3 (72400730)
WOOD SIGN SUPPORT (73000100)



EXISTING SIGN PANEL RELOCATED
FROM STA. 383+10
TO STA. 377+00, 94.0' LT
RELOC SIGN PANEL T3 (72400730)
STR STL SIN SUP BA (72700100)
CONC FOUNDATION (73400100)



EXIST SIGN PANEL RELOCATED
FROM STA. 387+08, 90' LT
TO STA. 381+00, 94.0' LT
RELOC SIGN PANEL T3 (72400730)
STR STL SIN SUP BA (72700100)
CONC FOUNDATION (73400100)



TOPSOIL EXC & PLAC (4")
AREA= 3469.4 SQ YD •

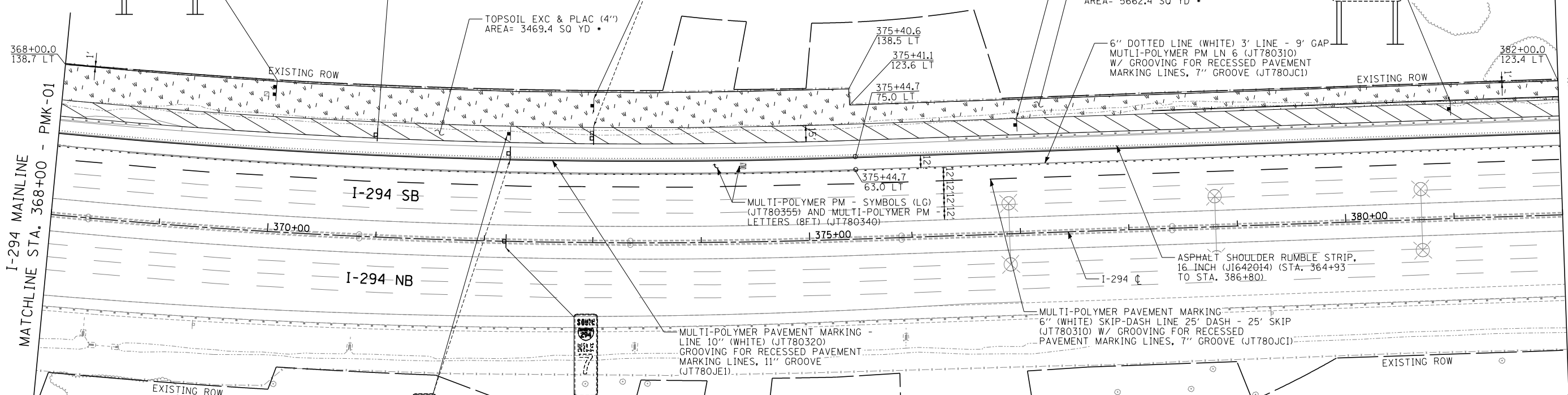
TOPSOIL EXC & PLAC (4")
AREA= 5662.4 SQ YD •

368+00.0
138.7 LT

382+00.0
123.4 LT

I-294 MAINLINE
MATCHLINE STA. 368+00 - PMK-01

MATCHLINE STA. 382+00 - PMK-03
I-294 MAINLINE



SIGNING PLAN LEGEND

- EXISTING OVERHEAD SIGN STRUCTURE (SPAN)
- PROPOSED OVERHEAD SIGN STRUCTURE (SPAN)
- EXISTING GROUND MOUNTED SIGN
- PROPOSED GROUND MOUNTED SIGN
- EXISTING OVERHEAD SIGN STRUCTURE (CANTILEVER)
- PROPOSED OVERHEAD SIGN STRUCTURE (CANTILEVER)
- EXISTING SIGN PANEL TO REMAIN OR BE RELOCATED
- EXISTING SIGN PANEL TO BE REMOVED OR RELOCATED
- PROPOSED SIGN PANEL

SIGN SEQUENCE NUMBERING CODE

EXAMPLE

G-NB-IT-12

SIGN CLASSIFICATION

- R - REGULATORY
- W - WARNING
- G - GUIDE
- I - INFORMATION
- M - MARKER

NUMBER OF SIGN

- IT - ILLINOIS TOLLWAY
- ID - IDOT

DIRECTION

- NB - NORTHBOUND
- SB - SOUTHBOUND

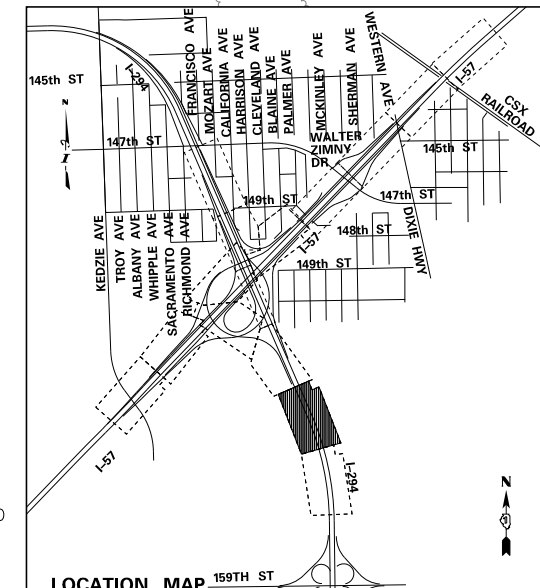
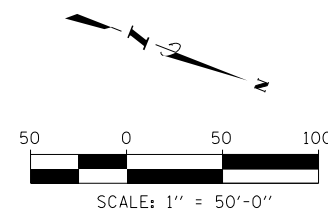
PAVEMENT MARKING NOTES:

IDOT JURISDICTION:

1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC, TYPE D- INLAID OR GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON BITUMINOUS PAVEMENT.
3. MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC EXCEPT FOR SKIP-DASH LINES.
4. PREFORMED PLASTIC, TYPE D CONTRAST - GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON PCC PAVEMENT.

TOLLWAY JURISDICTION:

5. MULTI-POLYMER PAVEMENT MARKINGS SHALL BE USED FOR ALL MARKINGS ON TOLLWAY PAVEMENTS.
6. PER TOLLWAY STANDARD D6, ALL LANE LINES AND EDGE LINES SHALL BE GROOVED, GORE STRIPING (CHEVRONS) AND LETTER AND SYMBOL MARKINGS SHALL BE SURFACE APPLIED.



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DATE *4-3-2020*
SCALE *1:50*

TYLIN INTERNATIONAL



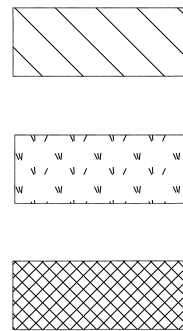
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PAVEMENT MARKING, SIGNING
AND LANDSCAPE PLAN

SHEET *PMK-02*
161 OF **606**

LANDSCAPE LEGEND:



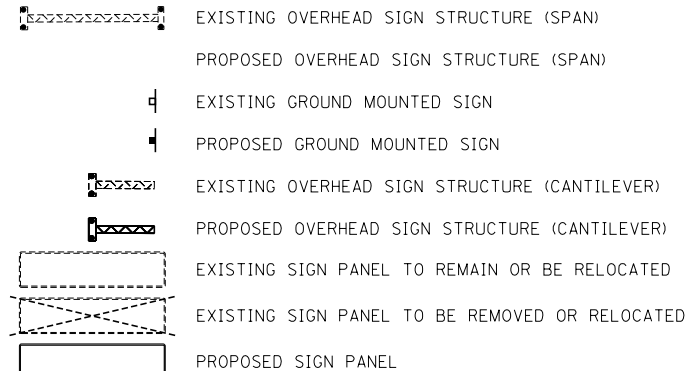
SEEDING, CLASS 2E (JS250220) - IT SALT TOLERANT ROADSIDE MIXTURE, EC BLANKET (25100630), NITROGEN AND POTASSIUM FERT NUTR (25000400 & 25000600), TOPSOIL EXC & PLAC (J1211110).

SEEDING, CLASS 4F (JS250318); SEEDING, CLASS 5 (JS250320) - IT LOW PROF NATIVE GRASS MIX & FORBS W/ ANNUALS EC BLANKET (25100630), NITROGEN & POTASSIUM FERT NUTR (25000400 & 25000600), TOPSOIL EXC & PLAC (J1211110).

SEEDING, CLASS 4B (J3250314); SEEDING, CLASS 4F (J3250318); SEEDING, CLASS 5B (JS250324) - WETLAND GRASS/SEDEGE MIX, LOW PROF NAT GRASS, & FORBS W/ ANNUALS, TURF REINF MAT (25100900), IT NIT & POT FERT NUTR (25000400 & 25000600), TOPSOIL EXC & PLAC (J1211110).

• AREA IS QUANTIFIED OVER MULTIPLE SHEETS

SIGNING PLAN LEGEND

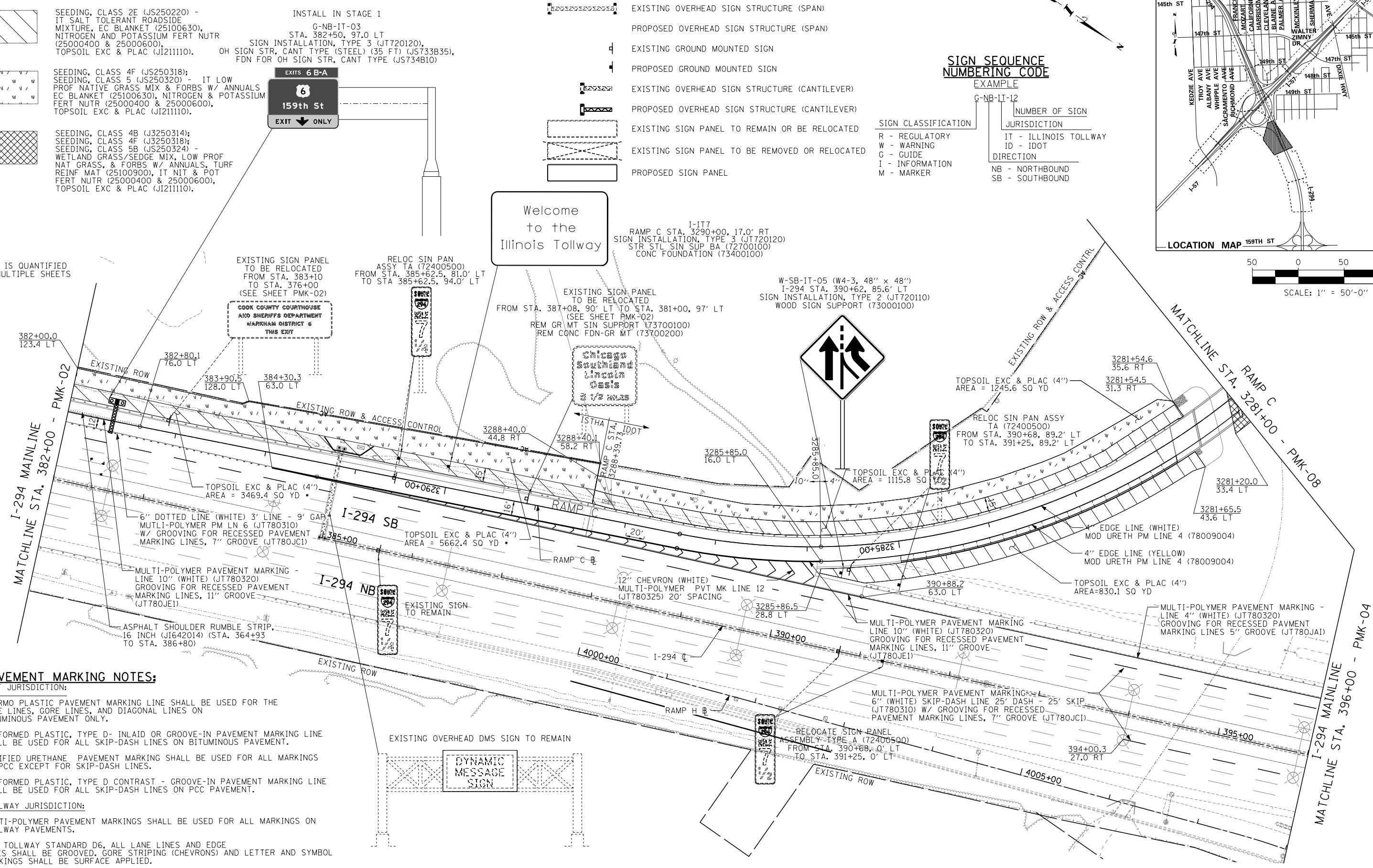
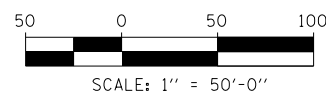
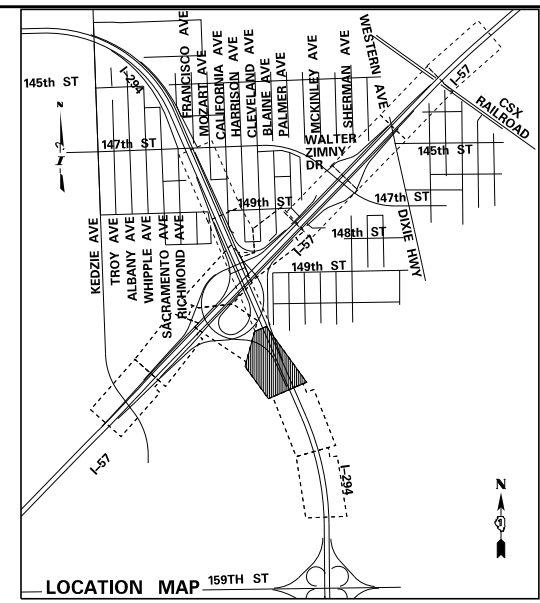


SIGN SEQUENCE NUMBERING CODE

EXAMPLE
G-NB-IT-12

SIGN CLASSIFICATION
R - REGULATORY
W - WARNING
G - GUIDE
I - INFORMATION
M - MARKER

NUMBER OF SIGN
IT - ILLINOIS TOLLWAY
ID - IDOT
DIRECTION
NB - NORTHBOUND
SB - SOUTHBOUND



PAVEMENT MARKING NOTES:

- IDOT JURISDICTION:**
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
 2. PREFORMED PLASTIC, TYPE D- INLAID OR GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON BITUMINOUS PAVEMENT.
 3. MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC EXCEPT FOR SKIP-DASH LINES.
 4. PREFORMED PLASTIC, TYPE D CONTRAST - GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON PCC PAVEMENT.
- TOLLWAY JURISDICTION:**
5. MULTI-POLYMER PAVEMENT MARKINGS SHALL BE USED FOR ALL MARKINGS ON TOLLWAY PAVEMENTS.
 6. PER TOLLWAY STANDARD D6, ALL LANE LINES AND EDGE LINES SHALL BE GROOVED. GORE STRIPING (CHEVRONS) AND LETTER AND SYMBOL MARKINGS SHALL BE SURFACE APPLIED.

DRAWN BY ... MBR/PRD
CHECKED BY ...

DATE ... 4-3-2020
SCALE ... 1:50

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PAVEMENT MARKING, SIGNING
AND LANDSCAPE PLAN

SHEET **PMK-03**
162 OF **606**

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PAVEMENT MARKING NOTES:

IDOT JURISDICTION:

1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC, TYPE D- INLAID OR GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON BITUMINOUS PAVEMENT.
3. MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC EXCEPT FOR SKIP-DASH LINES.
4. PREFORMED PLASTIC, TYPE D CONTRAST - GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON PCC PAVEMENT.

TOLLWAY JURISDICTION:

5. MULTI-POLYMER PAVEMENT MARKINGS SHALL BE USED FOR ALL MARKINGS ON TOLLWAY PAVEMENTS.
6. PER TOLLWAY STANDARD D6, ALL LANE LINES AND EDGE LINES SHALL BE GROOVED. GORE STRIPING (CHEVRONS) AND LETTER AND SYMBOL MARKINGS SHALL BE SURFACE APPLIED.

SIGNING PLAN LEGEND

- EXISTING OVERHEAD SIGN STRUCTURE (SPAN)
- PROPOSED OVERHEAD SIGN STRUCTURE (SPAN)
- EXISTING GROUND MOUNTED SIGN
- PROPOSED GROUND MOUNTED SIGN
- EXISTING OVERHEAD SIGN STRUCTURE (CANTILEVER)
- PROPOSED OVERHEAD SIGN STRUCTURE (CANTILEVER)
- EXISTING SIGN PANEL TO REMAIN OR BE RELOCATED
- EXISTING SIGN PANEL TO BE REMOVED OR RELOCATED
- PROPOSED SIGN PANEL

SIGN SEQUENCE NUMBERING CODE

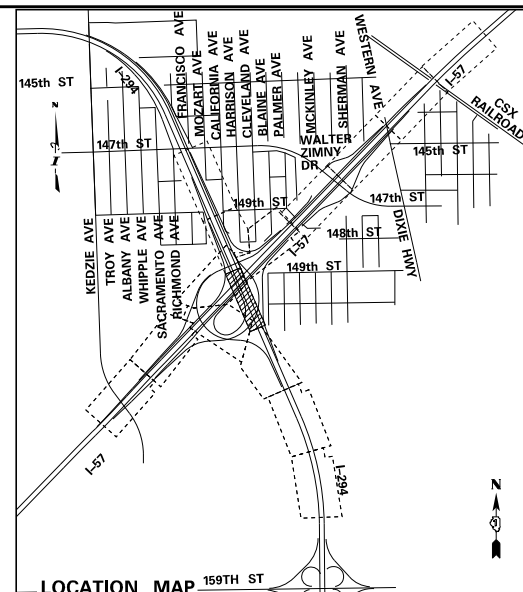
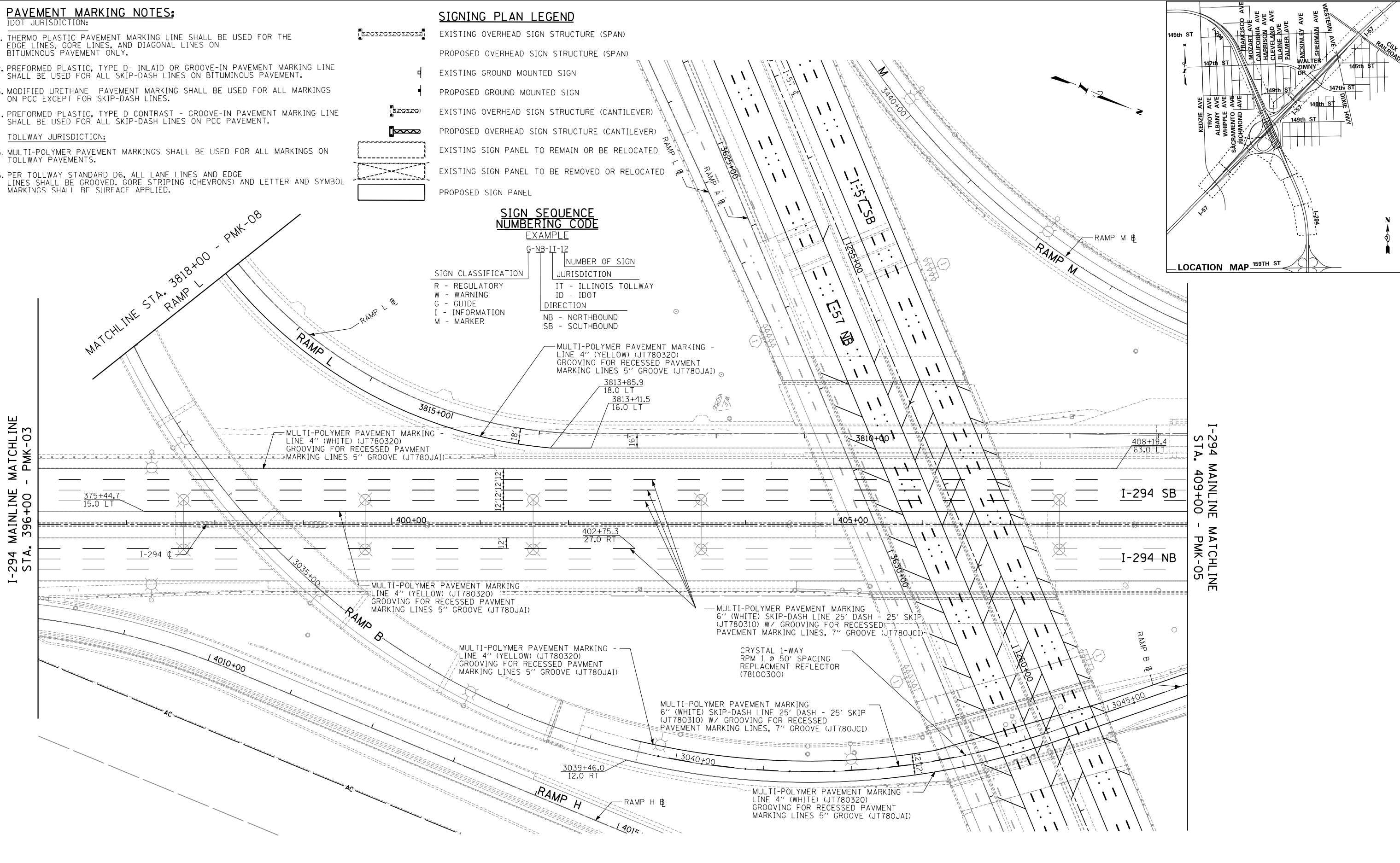
EXAMPLE
G-NB-IT-12

SIGN CLASSIFICATION
R - REGULATORY
W - WARNING
G - GUIDE
I - INFORMATION
M - MARKER

JURISDICTION
IT - ILLINOIS TOLLWAY
ID - IDOT

DIRECTION
NB - NORTHBOUND
SB - SOUTHBOUND

NUMBER OF SIGN
12



I-294 MAINLINE MATCHLINE
STA. 396+00 - PMK-03

I-294 MAINLINE MATCHLINE
STA. 409+00 - PMK-05

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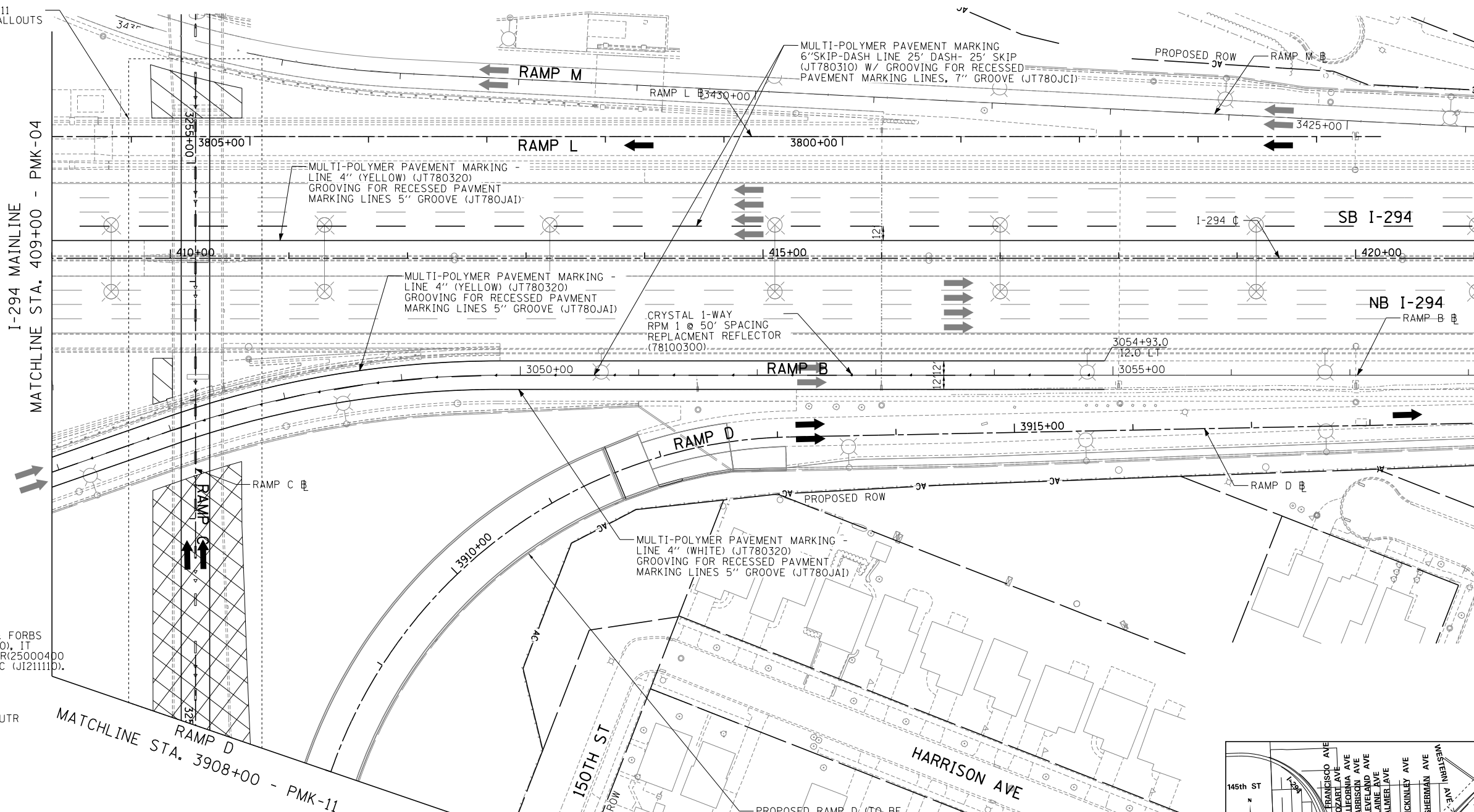
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PAVEMENT MARKING, SIGNING
AND LANDSCAPE PLAN

SHEET PMK-04
163 OF 606

SEE PMK-10 THRU 11 FOR LANDSCAPE CALLOUTS



SIGN SEQUENCE NUMBERING CODE

EXAMPLE: G-NB-IT-12

SIGN CLASSIFICATION	NUMBER OF SIGN	JURISDICTION	DIRECTION
R - REGULATORY	12	IT - ILLINOIS TOLLWAY	NB - NORTHBOUND
W - WARNING		ID - IDOT	SB - SOUTHBOUND
G - GUIDE			
I - INFORMATION			
M - MARKER			

LANDSCAPE LEGEND:

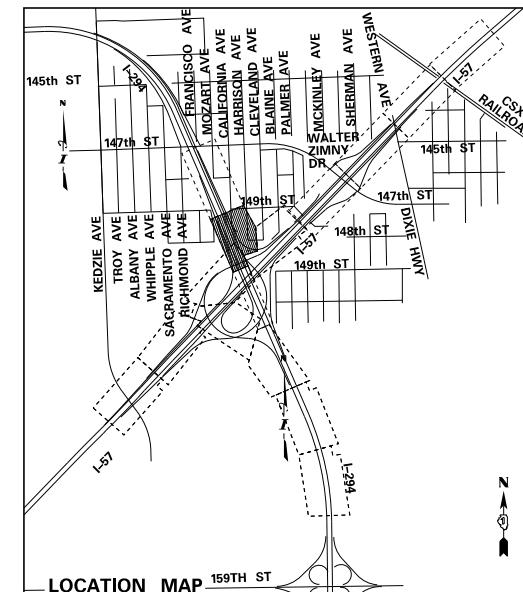
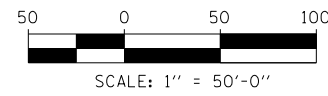
- SEEDING, CLASS 4B (J3250314); SEEDING, CLASS 5B (JS250324) - WETLAND GRASS/SEDGE MIXTURE & FORBS W/ ANNUALS, EC BLANKET(25100630), IT NITROGEN & POTASSIUM FERT NUTR(25000400 & 25000600) TOPSOIL EXC & PLAC (J121111D).
- SEEDING, CLASS 2E (JS250220) - IT SALT TOLERANT ROADSIDE MIXTURE, EC BLANKET (25100630), NITROGEN AND POTASSIUM FERT NUTR (25000400 & 25000600) TOPSOIL EXC & PLAC (J121111D).

PAVEMENT MARKING NOTES:

- IDOT JURISDICTION:
- THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
 - PREFORMED PLASTIC, TYPE D- INLAID OR GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON BITUMINOUS PAVEMENT.
 - MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC EXCEPT FOR SKIP-DASH LINES.
 - PREFORMED PLASTIC, TYPE D CONTRAST - GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON PCC PAVEMENT.
- TOLLWAY JURISDICTION:
- MULTI-POLYMER PAVEMENT MARKINGS SHALL BE USED FOR ALL MARKINGS ON TOLLWAY PAVEMENTS.
 - PER TOLLWAY STANDARD D6, ALL LANE LINES AND EDGE LINES SHALL BE GROOVED, GORE STRIPING (CHEVRONS) AND LETTER AND SYMBOL MARKINGS SHALL BE SURFACE APPLIED.

SIGNING PLAN LEGEND

- EXISTING OVERHEAD SIGN STRUCTURE (SPAN)
- PROPOSED OVERHEAD SIGN STRUCTURE (SPAN)
- EXISTING GROUND MOUNTED SIGN
- PROPOSED GROUND MOUNTED SIGN
- EXISTING OVERHEAD SIGN STRUCTURE (CANTILEVER)
- PROPOSED OVERHEAD SIGN STRUCTURE (CANTILEVER)
- EXISTING SIGN PANEL TO REMAIN OR BE RELOCATED
- EXISTING SIGN PANEL TO BE REMOVED OR RELOCATED
- PROPOSED SIGN PANEL



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DATE *4-3-2020*
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TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PAVEMENT MARKING, SIGNING
AND LANDSCAPE PLAN

SHEET *PMK-05*
164 OF **606**

SIGNING PLAN LEGEND

- EXISTING OVERHEAD SIGN STRUCTURE (SPAN)
- PROPOSED OVERHEAD SIGN STRUCTURE (SPAN)
- EXISTING GROUND MOUNTED SIGN
- PROPOSED GROUND MOUNTED SIGN
- EXISTING OVERHEAD SIGN STRUCTURE (CANTILEVER)
- PROPOSED OVERHEAD SIGN STRUCTURE (CANTILEVER)
- EXISTING SIGN PANEL TO REMAIN OR BE RELOCATED
- EXISTING SIGN PANEL TO BE REMOVED OR RELOCATED
- PROPOSED SIGN PANEL

LANDSCAPE LEGEND:

- SEEDING, CLASS 2A (25000210) - SALT TOLERANT ROADSIDE MIXTURE EC BLANKET (25100630), TOPSOIL EXC & PLAC (J1211110).

SIGN SEQUENCE NUMBERING CODE

EXAMPLE
G-NB-IT-12

SIGN CLASSIFICATION	NUMBER OF SIGN
R - REGULATORY	JURISDICTION
W - WARNING	IT - ILLINOIS TOLLWAY
G - GUIDE	ID - IDOT
I - INFORMATION	DIRECTION
M - MARKER	NB - NORTHBOUND
	SB - SOUTHBOUND

SIGN CLASSIFICATION
R - REGULATORY
W - WARNING
G - GUIDE
I - INFORMATION
M - MARKER

• AREA IS QUANTIFIED OVER MULTIPLE SHEETS

PAVEMENT MARKING NOTES:

- IDOT JURISDICTION:
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 - PREFORMED PLASTIC, TYPE D- INLAID OR GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON BITUMINOUS PAVEMENT.
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 - PREFORMED PLASTIC, TYPE D CONTRAST - GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON PCC PAVEMENT.
- TOLLWAY JURISDICTION:
- MULTI-POLYMER PAVEMENT MARKINGS SHALL BE USED FOR ALL MARKINGS ON TOLLWAY PAVEMENTS.
 - PER TOLLWAY STANDARD D6, ALL LANE LINES AND EDGE LINES SHALL BE GROOVED, GORE STRIPING (CHEVRONS) AND LETTER AND SYMBOL MARKINGS SHALL BE SURFACE APPLIED.

LANDSCAPE NOTE:

THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT OF THE SEEDING AND MOWING STAKES FOR IDOT SEED TYPES.

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CHECKED BY

DATE . 4-3-2020 . . .
SCALE . 1:50

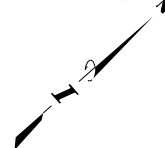
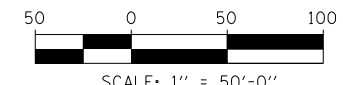
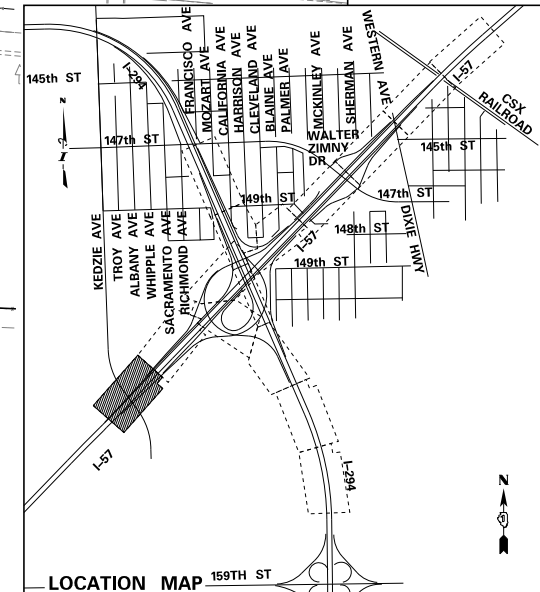
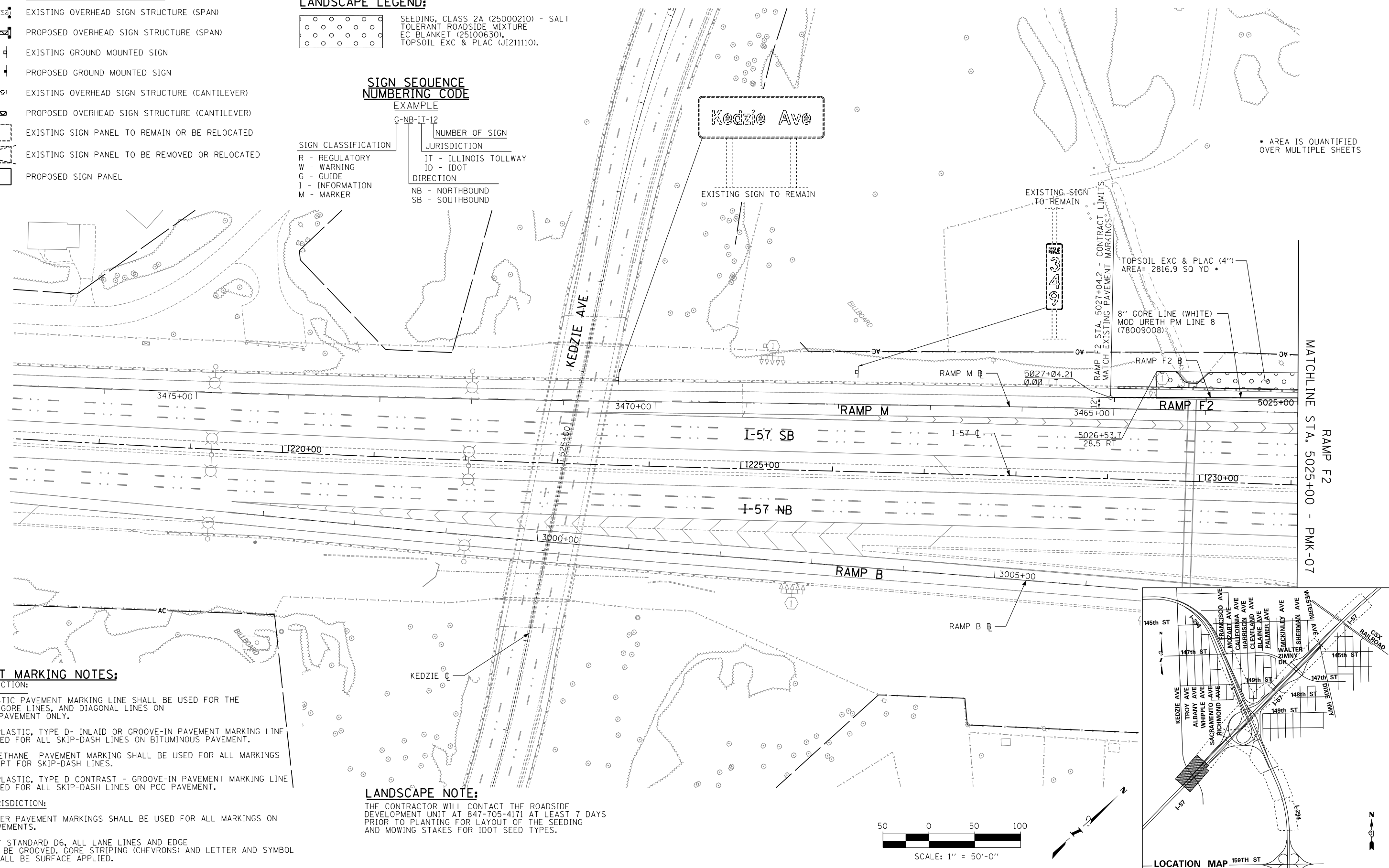
TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495	SHEET PMK-06
I-57 AT 294 RAMPS C AND F2 PAVEMENT MARKING, SIGNING AND LANDSCAPE PLAN	165 OF 606



PAVEMENT MARKING NOTES:

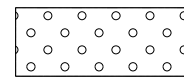
IDOT JURISDICTION:

1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
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4. PREFORMED PLASTIC, TYPE D CONTRAST - GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON PCC PAVEMENT.

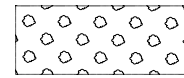
TOLLWAY JURISDICTION:

5. MULTI-POLYMER PAVEMENT MARKINGS SHALL BE USED FOR ALL MARKINGS ON TOLLWAY PAVEMENTS.
6. PER TOLLWAY STANDARD D6, ALL LANE LINES AND EDGE LINES SHALL BE GROOVED, GORE STRIPING (CHEVRONS) AND LETTER AND SYMBOL MARKINGS SHALL BE SURFACE APPLIED.

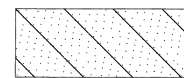
LANDSCAPE LEGEND:



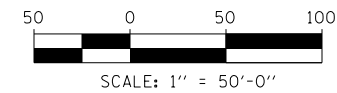
SEEDING, CLASS 2A (25000210) - SALT TOLERANT ROADSIDE MIXTURE
EC BLANKET (25100630),
TOPSOIL EXC & PLAC (J1211110).



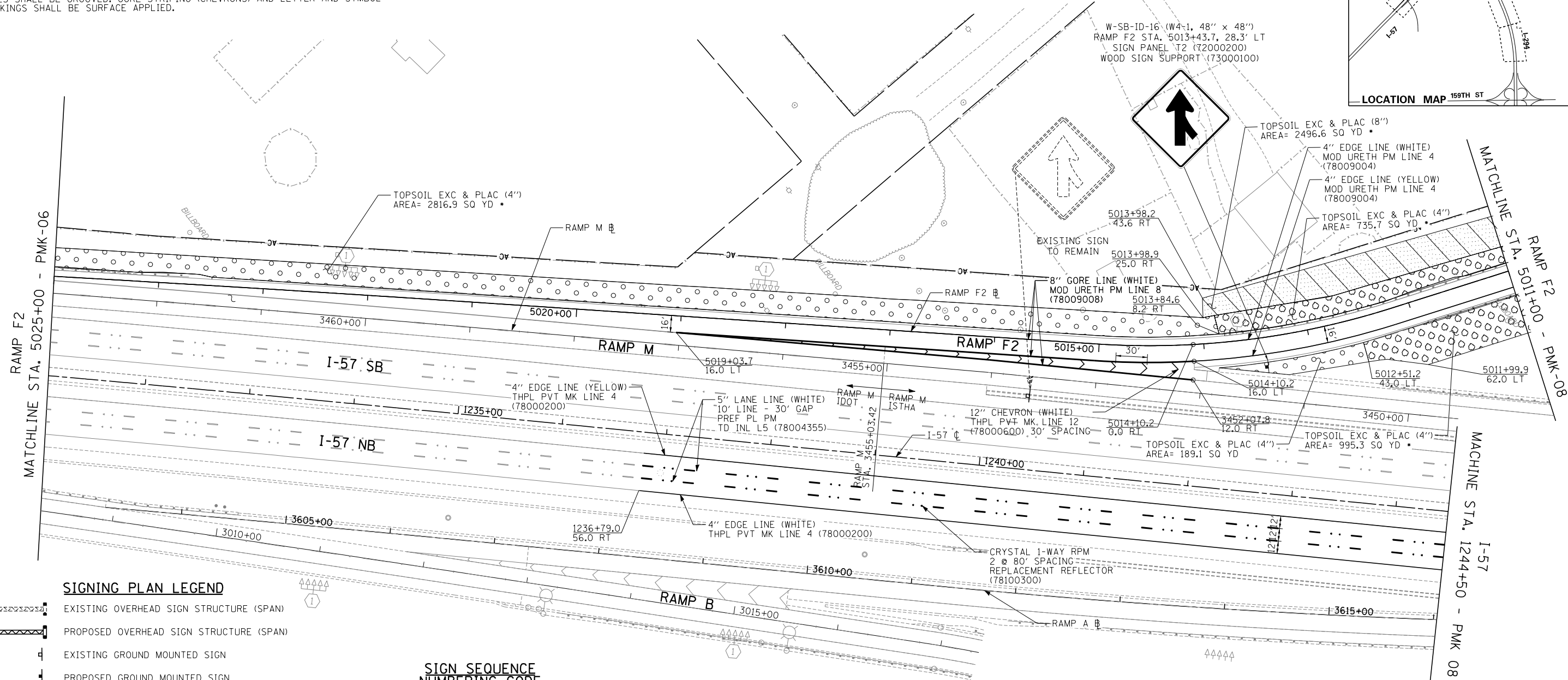
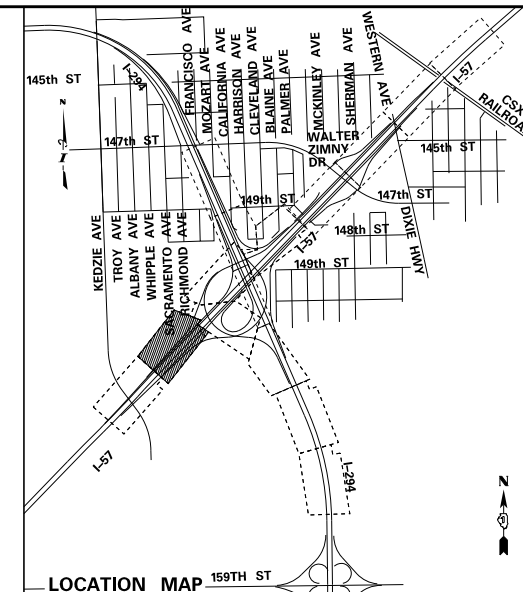
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EC BLANKET (25100630),
TOPSOIL EXC & PLAC (J1211110).



SEEDING, CLASS 4A MOD (X2502014);
SEEDING, CLASS 5 MOD (X2501820) - LOW PROF NATIVE GRASS MIX & FORBS
W/ ANNUALS, EC BLANKET (25100630),
TOPSOIL EXC & PLAC (J1211110).



• AREA IS QUANTIFIED OVER MULTIPLE SHEETS



SIGNING PLAN LEGEND

- EXISTING OVERHEAD SIGN STRUCTURE (SPAN)
- PROPOSED OVERHEAD SIGN STRUCTURE (SPAN)
- EXISTING GROUND MOUNTED SIGN
- PROPOSED GROUND MOUNTED SIGN
- EXISTING OVERHEAD SIGN STRUCTURE (CANTILEVER)
- PROPOSED OVERHEAD SIGN STRUCTURE (CANTILEVER)
- EXISTING SIGN PANEL TO REMAIN OR BE RELOCATED
- EXISTING SIGN PANEL TO BE REMOVED OR RELOCATED
- PROPOSED SIGN PANEL

SIGN SEQUENCE NUMBERING CODE

EXAMPLE
G-NB-IT-12
SIGN CLASSIFICATION
R - REGULATORY
W - WARNING
G - GUIDE
I - INFORMATION
M - MARKER
JURISDICTION
IT - ILLINOIS TOLLWAY
ID - IDOT
DIRECTION
NB - NORTHBOUND
SB - SOUTHBOUND

LANDSCAPE NOTE:

THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT OF THE SEEDING AND MOWING STAKES FOR IDOT SEED TYPES.

P:\6825\0157-291-5-91\Roads\95NEW_Ramps_C&F2_01000005-PMK_SHT108.dgn 3/24/2020

DRAWN BY	MBR/PRD	DATE	4-3-2020
CHECKED BY		SCALE	1:50

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

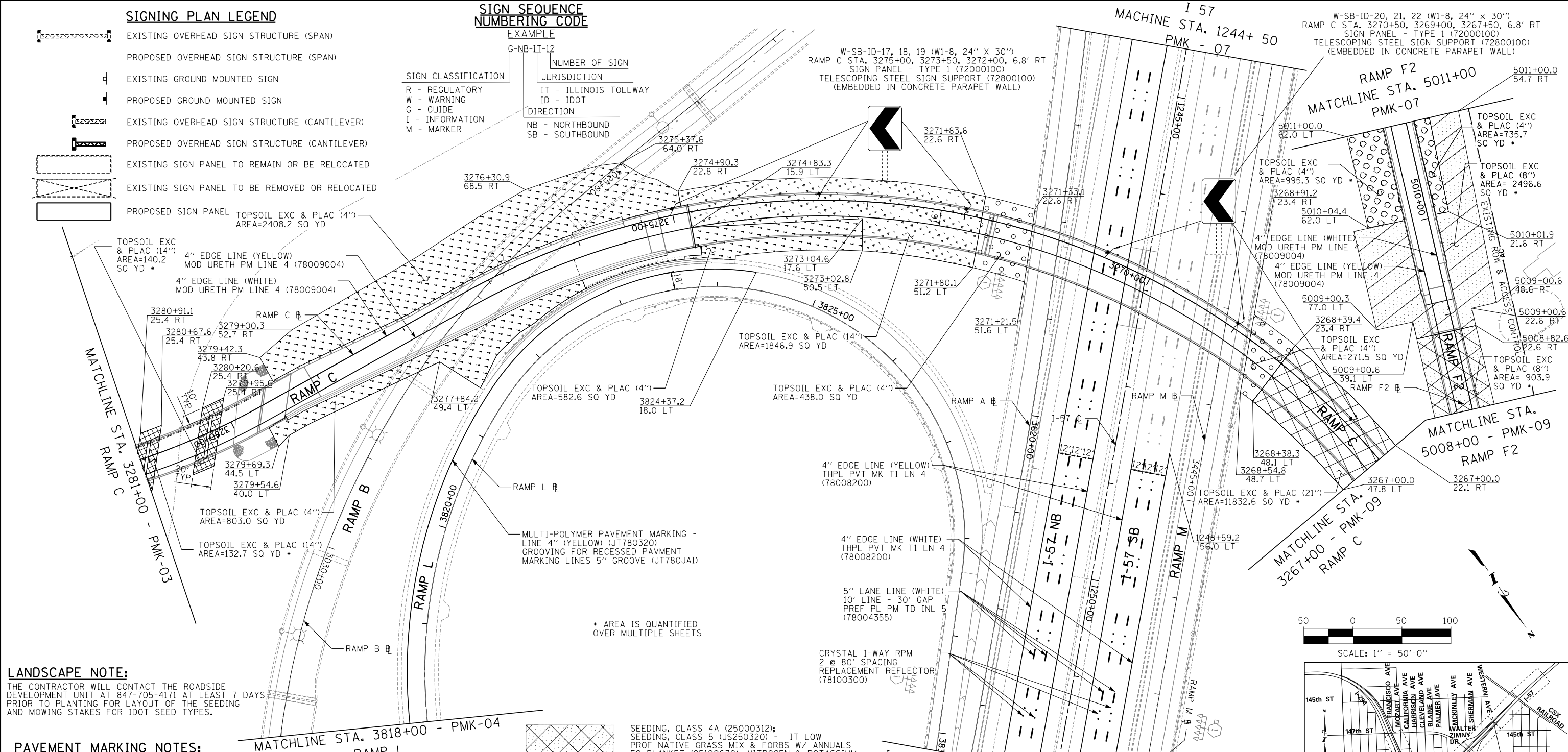
CONTRACT	I-19-4495	SHEET	PMK-07
I-57 AT 294 RAMPS C AND F2 PAVEMENT MARKING, SIGNING AND LANDSCAPE PLAN		166	OF 606

SIGNING PLAN LEGEND

- EXISTING OVERHEAD SIGN STRUCTURE (SPAN)
- PROPOSED OVERHEAD SIGN STRUCTURE (SPAN)
- EXISTING GROUND MOUNTED SIGN
- PROPOSED GROUND MOUNTED SIGN
- EXISTING OVERHEAD SIGN STRUCTURE (CANTILEVER)
- PROPOSED OVERHEAD SIGN STRUCTURE (CANTILEVER)
- EXISTING SIGN PANEL TO REMAIN OR BE RELOCATED
- EXISTING SIGN PANEL TO BE REMOVED OR RELOCATED
- PROPOSED SIGN PANEL

SIGN SEQUENCE NUMBERING CODE

- EXAMPLE**
G-NB-IT-12
- | SIGN CLASSIFICATION | JURISDICTION | DIRECTION | NUMBER OF SIGN |
|---------------------|-----------------------|-----------------|----------------|
| R - REGULATORY | IT - ILLINOIS TOLLWAY | ID - IDOT | |
| W - WARNING | | NB - NORTHBOUND | |
| G - GUIDE | | SB - SOUTHBOUND | |
| I - INFORMATION | | | |
| M - MARKER | | | |



LANDSCAPE NOTE:

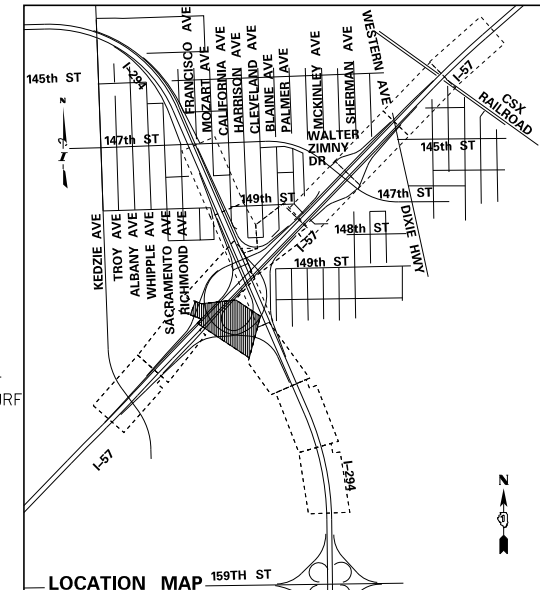
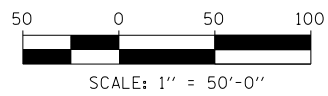
THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT OF THE SEEDING AND MOWING STAKES FOR IDOT SEED TYPES.

PAVEMENT MARKING NOTES:

- DOT JURISDICTION:
- THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
 - PREFORMED PLASTIC, TYPE D- INLAID OR GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON BITUMINOUS PAVEMENT.
 - MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC EXCEPT FOR SKIP-DASH LINES.
 - PREFORMED PLASTIC, TYPE D CONTRAST - GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON PCC PAVEMENT.
- TOLLWAY JURISDICTION:
- MULTI-POLYMER PAVEMENT MARKINGS SHALL BE USED FOR ALL MARKINGS ON TOLLWAY PAVEMENTS.
 - PER TOLLWAY STANDARD D6, ALL LANE LINES AND EDGE LINES SHALL BE GROOVED, GORE STRIPING (CHEVRONS) AND LETTER AND SYMBOL MARKINGS SHALL BE SURFACE APPLIED.

LANDSCAPE LEGEND:

- | | | | |
|--|--|--|---|
| | SEEDING, CLASS 2A (25000210) - SALT TOLERANT ROADSIDE MIXTURE
EC BLANKET (25100630),
TOPSOIL EXC & PLAC (J1211110). | | SEEDING, CLASS 4A MOD (X2502014):
SEEDING, CLASS 5 MOD (X2501820) - LOW PROF NATIVE GRASS MIX & FORBS W/ ANNUALS, EC BLANKET (25100630),
TOPSOIL EXC & PLAC (J1211110). |
| | SEEDING, CLASS 3E (JS250305);
SEEDING, CLASS 5 (JS250320) - IT SLOPE MIXTURE & FORBS W/ ANNUALS, EC BLANKET (25100630), NITROGEN & POTASSIUM FERT NUTR (25000400 & 25000600), TOPSOIL EXC & PLAC (J1211110). | | SEEDING, CLASS 4B (J3250314);
SEEDING, CLASS 4F (J3250318);
SEEDING, CLASS 5B (JS250324) - WETLAND GRASS/SEDGE MIXTURE, LOW PROF NAT GRASS, & FORBS W/ ANNUALS, TURF REINF MAT (25100900), IT NIT & POT FERT NUTR (25000400 & 25000600), TOPSOIL EXC & PLAC (J1211110). |
| | SEEDING, CLASS 4B (J3250314);
SEEDING, CLASS 5B (JS250324) - WETLAND GRASS/SEDGE MIXTURE & FORBS W/ ANNUALS, EC BLANKET (25100630), NITROGEN & POTASSIUM FERT NUTR (25000400 & 25000600) TOPSOIL EXC & PLAC (J1211110). | | SEEDING, CLASS 4F (JS250318);
SEEDING, CLASS 5 (JS250320) - IT LOW PROF NATIVE GRASS MIX & FORBS W/ ANNUALS, EC BLANKET (25100630), NITROGEN & POTASSIUM FERT NUTR (25000400 & 25000600), TOPSOIL EXC & PLAC (J1211110). |



DRAWN BY ... MBR/PPD ... DATE ... 4-3-2020 ...
CHECKED BY ... SCALE ... 1:50 ...

TYLIN INTERNATIONAL



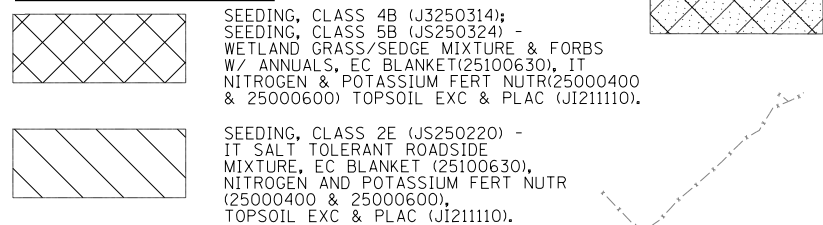
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2 PAVEMENT MARKING, SIGNING AND LANDSCAPE PLAN
SHEET PMK-08
167 OF 606

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LANDSCAPE LEGEND:



SEEDING, CLASS 4B (J3250314);
SEEDING, CLASS 5B (J3250324) -
WETLAND GRASS/SEDGE MIXTURE & FORBS
W/ ANNUALS, EC BLANKET(25100630), IT
NITROGEN & POTASSIUM FERT NUTR(25000400
& 25000600) TOPSOIL EXC & PLAC (J1211110).

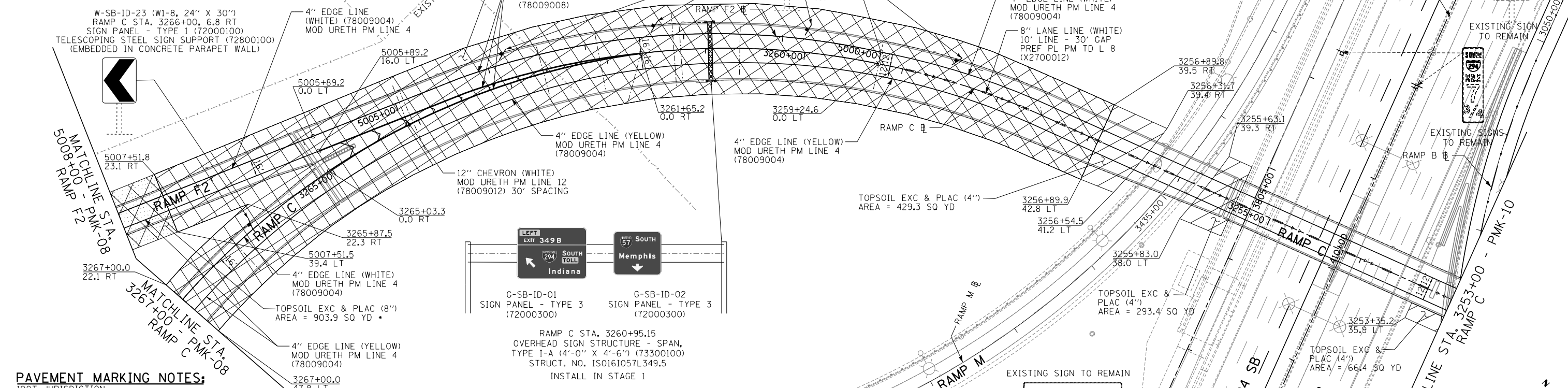
SEEDING, CLASS 2E (J3250220) -
IT SALT TOLERANT ROADSIDE
MIXTURE, EC BLANKET (25100630),
NITROGEN AND POTASSIUM FERT NUTR
(25000400 & 25000600),
TOPSOIL EXC & PLAC (J1211110).

SEEDING, CLASS 4A (25000312);
SEEDING, CLASS 5 (J3250320) - IT LOW
PROF NATIVE GRASS MIX & FORBS W/ ANNUALS
EC BLANKET (25100630), NITROGEN & POTASSIUM
FERT NUTR (25000400 & 25000600),
TOPSOIL EXC & PLAC (J1211110).

W-ID-SB-24, 25, 26, 27 (W1-8, 24" X 30")
RAMP C STA. 3263+00, 3261+50, 3260+00, 3258+50, RT
SIGN PANEL - TYPE 1 (72000100)
TELESCOPING STEEL SIGN SUPPORT (72800100)
(EMBEDDED IN CONCRETE PARAPET WALL)

LANDSCAPE NOTE:

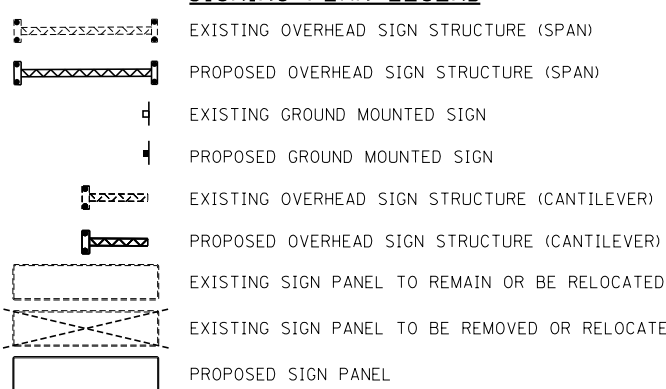
THE CONTRACTOR WILL CONTACT THE ROADSIDE
DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 7 DAYS
PRIOR TO PLANTING FOR LAYOUT OF THE SEEDING
AND MOWING STAKES FOR IDOT SEED TYPES.



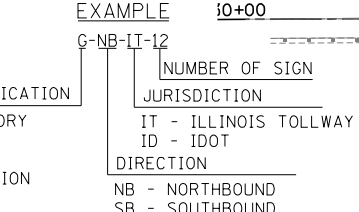
PAVEMENT MARKING NOTES:

- IDOT JURISDICTION:**
- THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
 - PERFORMED PLASTIC, TYPE D- INLAID OR GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON BITUMINOUS PAVEMENT.
 - MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC EXCEPT FOR SKIP-DASH LINES.
 - PERFORMED PLASTIC, TYPE D CONTRAST - GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON PCC PAVEMENT.
- TOLLWAY JURISDICTION:**
- MULTI-POLYMER PAVEMENT MARKINGS SHALL BE USED FOR ALL MARKINGS ON TOLLWAY PAVEMENTS.
 - PER TOLLWAY STANDARD D6, ALL LANE LINES AND EDGE LINES SHALL BE GROOVED. GORE STRIPING (CHEVRONS) AND LETTER AND SYMBOL MARKINGS SHALL BE SURFACE APPLIED.

SIGNING PLAN LEGEND



SIGN SEQUENCE NUMBERING CODE



SIGN CLASSIFICATION
R - REGULATORY
W - WARNING
G - GUIDE
I - INFORMATION
M - MARKER

JURISDICTION
IT - ILLINOIS TOLLWAY
ID - IDOT

DIRECTION
NB - NORTHBOUND
SB - SOUTHBOUND

P:\62540157-294-5-19\Roads\PS\NEW_Ramps_C&F2_01020205-Pmk_SHT10.dgn 3/12/2020

DRAWN BY ... MBR/PPD ... DATE ... 4-3-2020 ...
CHECKED BY ... SCALE ... 1:50 ...

TYLIN INTERNATIONAL

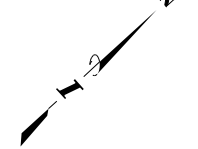
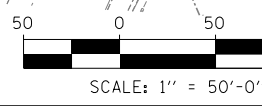
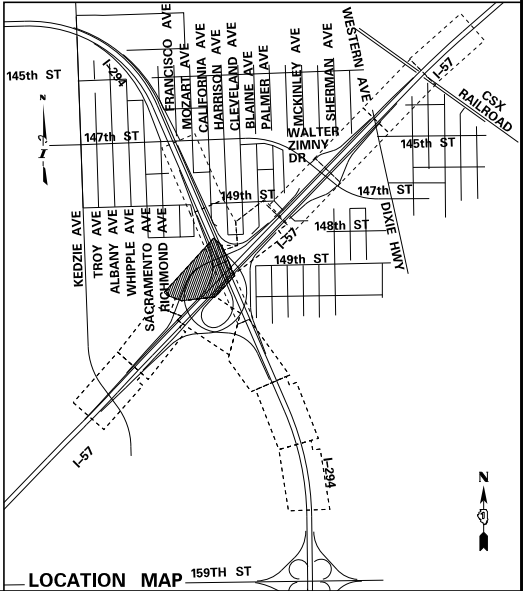


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PAVEMENT MARKING, SIGNING
AND LANDSCAPE PLAN

SHEET **PMK-09**
168 OF **606**



PAVEMENT MARKING NOTES:

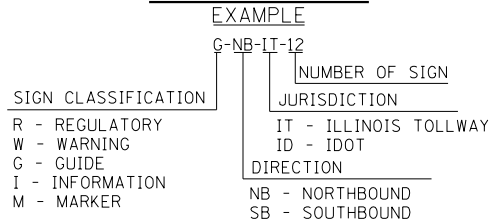
IDOT JURISDICTION:

1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC, TYPE D- INLAID OR GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON BITUMINOUS PAVEMENT.
3. MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC EXCEPT FOR SKIP-DASH LINES.
4. PREFORMED PLASTIC, TYPE D CONTRAST - GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON PCC PAVEMENT.

TOLLWAY JURISDICTION:

5. MULTI-POLYMER PAVEMENT MARKINGS SHALL BE USED FOR ALL MARKINGS ON TOLLWAY PAVEMENTS.
6. PER TOLLWAY STANDARD D6, ALL LANE LINES AND EDGE LINES SHALL BE GROOVED. GORE STRIPING (CHEVRONS) AND LETTER AND SYMBOL MARKINGS SHALL BE SURFACE APPLIED.

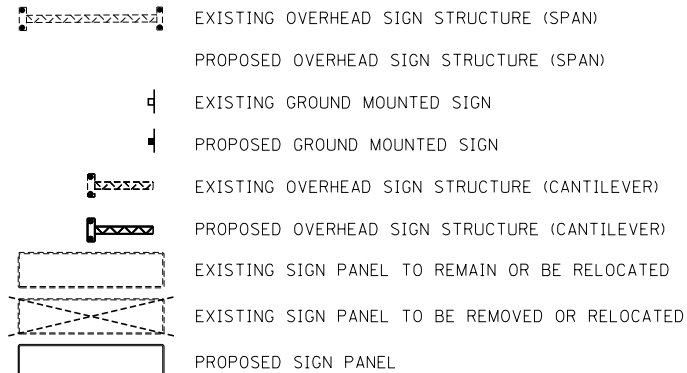
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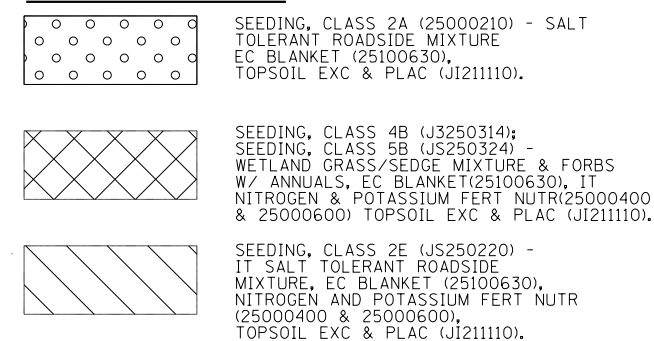
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REMOV SIGN PANEL T3 (72400330)

CD ROAD C STA. 3245+00
EXISTING OH SIGN TRUSS

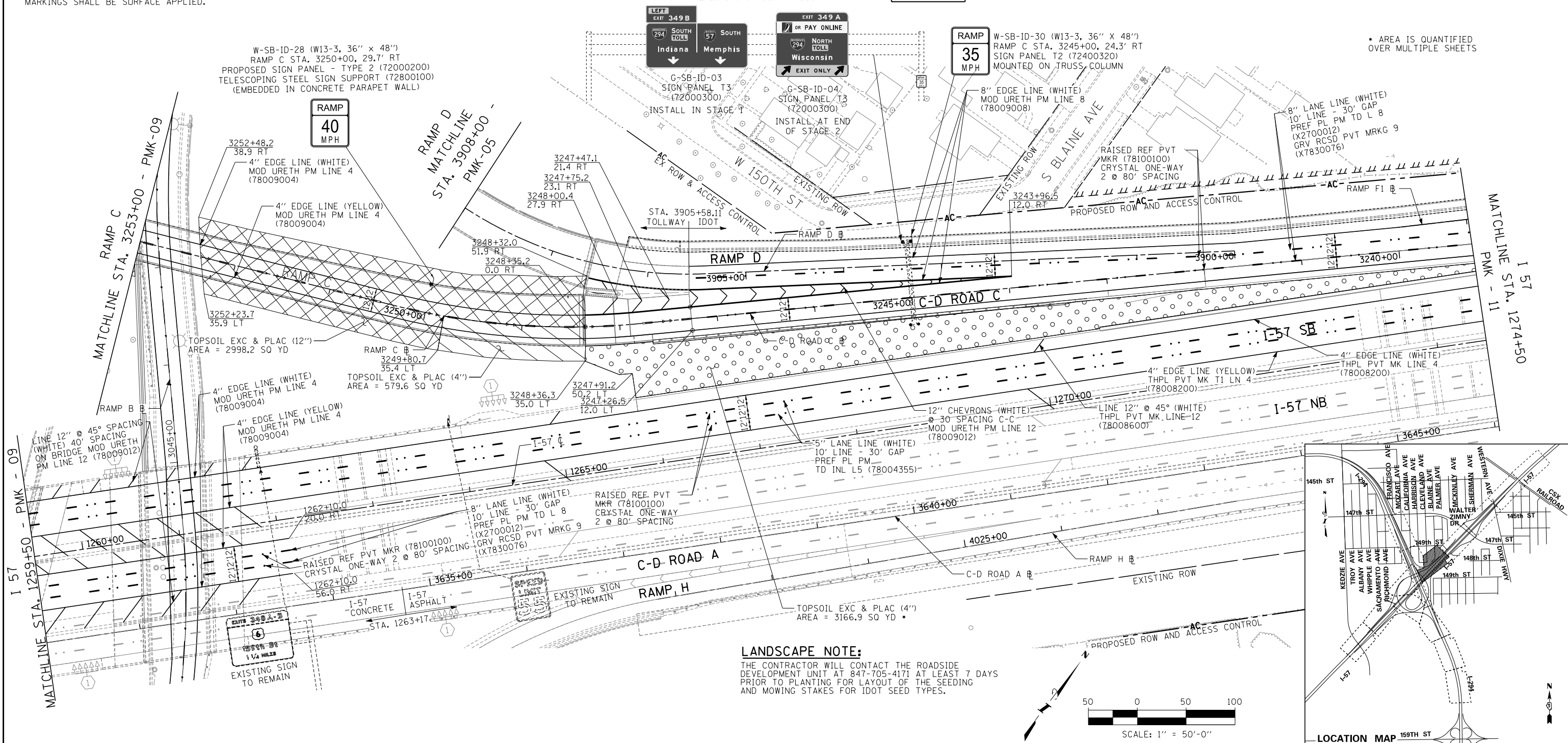
SIGNING PLAN LEGEND



LANDSCAPE LEGEND:



• AREA IS QUANTIFIED OVER MULTIPLE SHEETS



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DRAWN BY	MBR/PRD	DATE	4-3-2020
CHECKED BY		SCALE	1:50

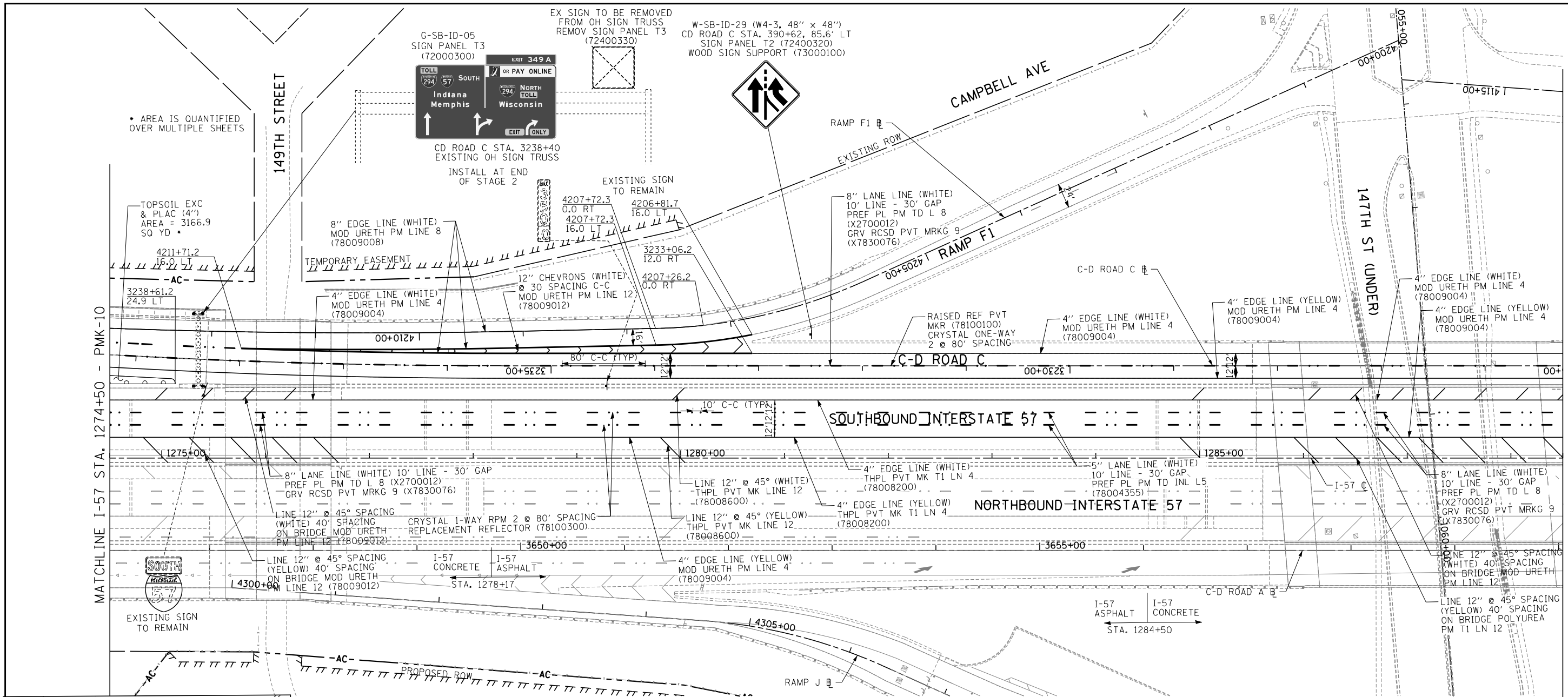
TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

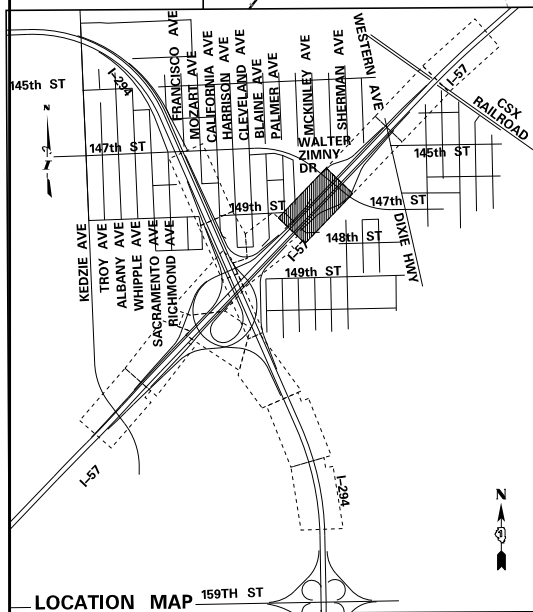
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT	I-19-4495	SHEET	PMK-10
I-57 AT 294 RAMPS C AND F2 PAVEMENT MARKING, SIGNING AND LANDSCAPE PLAN		169	OF 606



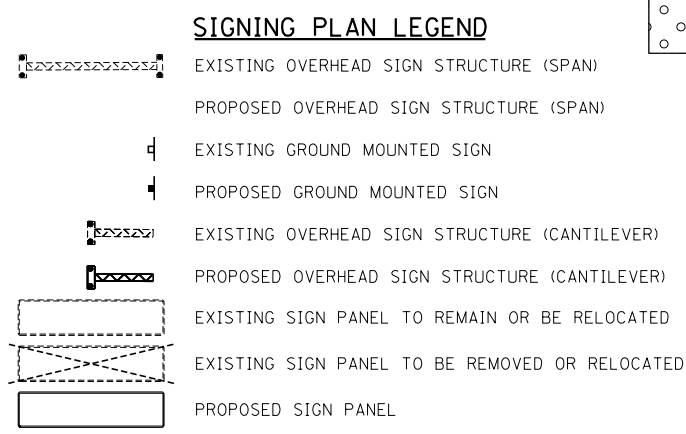
MATCHLINE I-57 STA. 1274+50 - PMK-10

MATCHLINE I-57 STA. 1288+50 - PMK-12

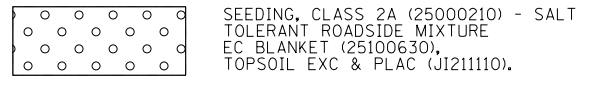


PAVEMENT MARKING NOTES:

- DOT JURISDICTION:
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- TOLLWAY JURISDICTION:
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 - PER TOLLWAY STANDARD D6, ALL LANE LINES AND EDGE LINES SHALL BE GROOVED. GORE STRIPING (CHEVRONS) AND LETTER AND SYMBOL MARKINGS SHALL BE SURFACE APPLIED.



LANDSCAPE LEGEND:



LANDSCAPE NOTE:

THE CONTRACTOR WILL CONTACT THE ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 7 DAYS PRIOR TO PLANTING FOR LAYOUT OF THE SEEDING AND MOWING STAKES FOR IDOT SEED TYPES.

SIGN SEQUENCE NUMBERING CODE

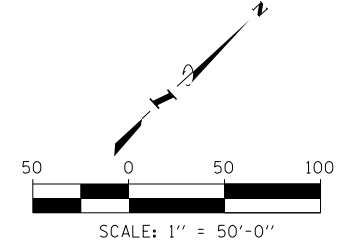
EXAMPLE
G-NB-IT-12

SIGN CLASSIFICATION
R - REGULATORY
W - WARNING
G - GUIDE
I - INFORMATION
M - MARKER

DIRECTION
NB - NORTHBOUND
SB - SOUTHBOUND

NUMBER OF SIGN
IT - ILLINOIS TOLLWAY
ID - IDOT

JURISDICTION



DRAWN BY **DPS**
CHECKED BY **BEC**
DATE **4-3-2020**
SCALE **1"=50'**

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

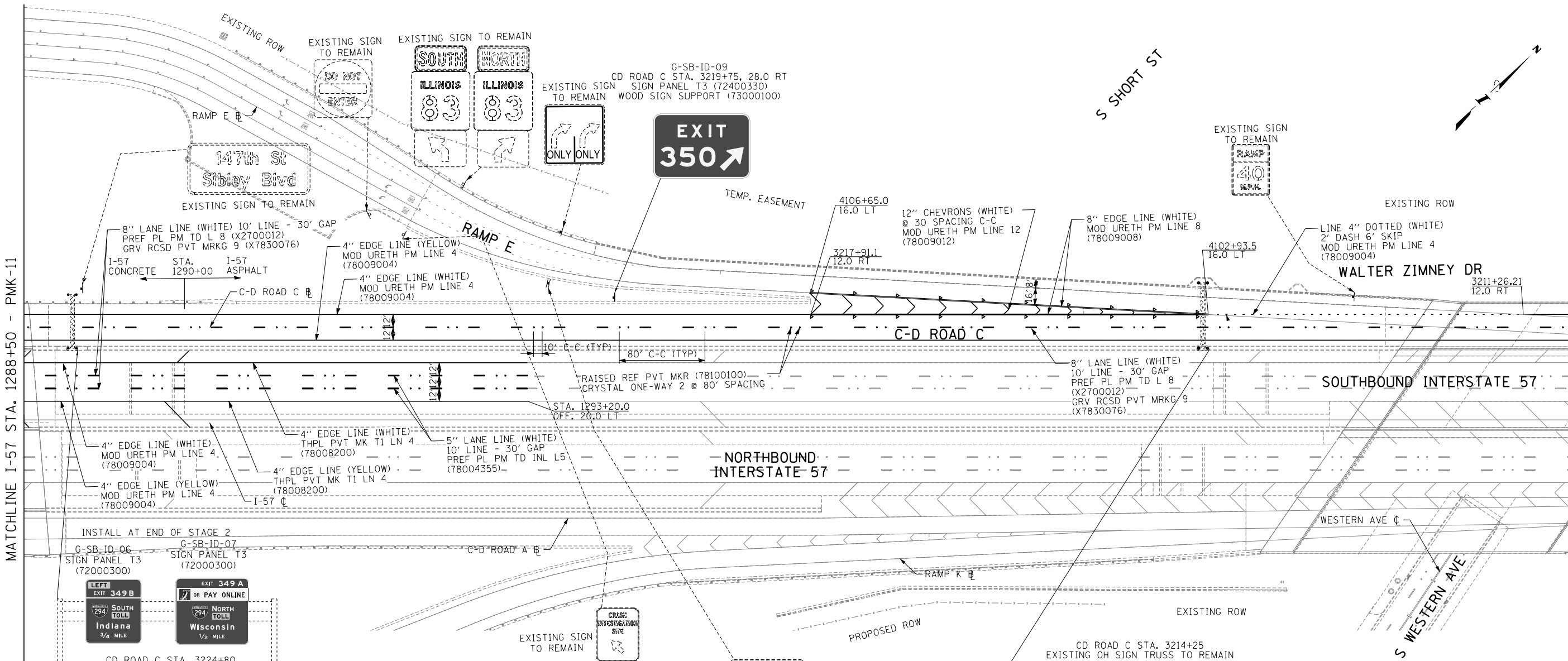
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2 PAVEMENT MARKING, SIGNING, AND LANDSCAPE PLANS

SHEET PMK-11
170 OF 606

P:\62540\157-294-5-19\Roads\PS\NEW_Ramps_C&F2_01020205-PMK_SHT12.dgn 3/12/2020

MATCHLINE I-57 STA. 1288+50 - PMK-11

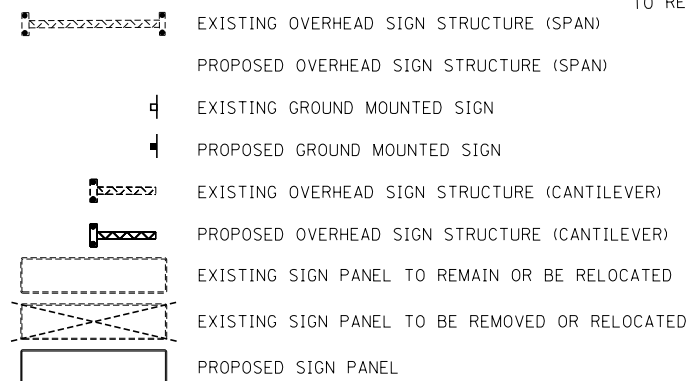
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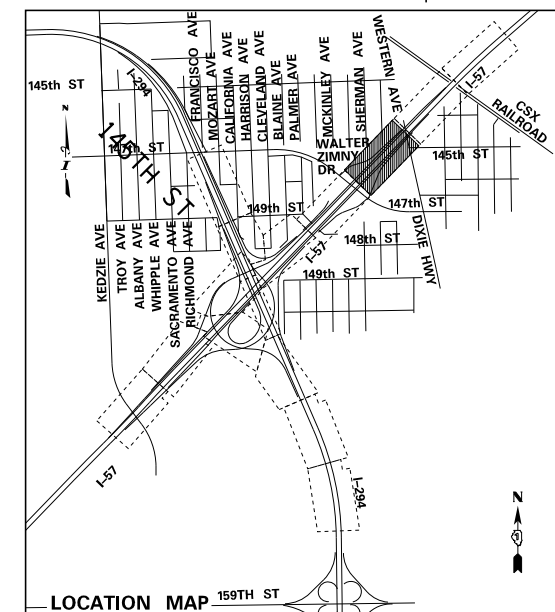
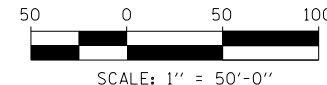
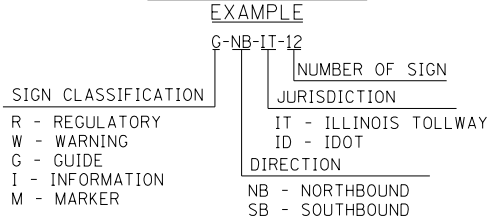
PAVEMENT MARKING NOTES:

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- TOLLWAY JURISDICTION:**
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 - PER TOLLWAY STANDARD D6, ALL LANE LINES AND EDGE LINES SHALL BE GROOVED, GORE STRIPING (CHEVRONS) AND LETTER AND SYMBOL MARKINGS SHALL BE SURFACE APPLIED.

SIGNING PLAN LEGEND



SIGN SEQUENCE NUMBERING CODE



DRAWN BY *DPS*
CHECKED BY *BEC*

DATE *4-3-2020*
SCALE *1"=50'*

TYLIN INTERNATIONAL



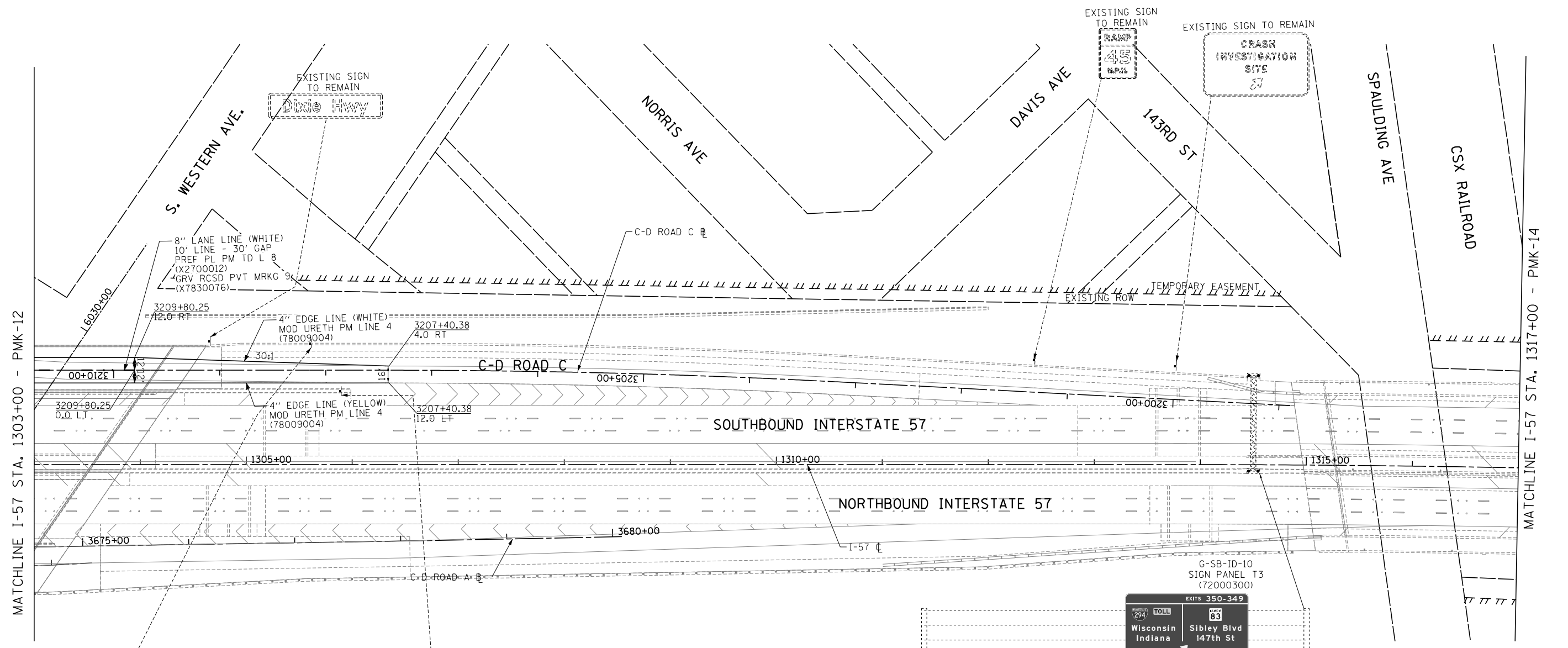
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PAVEMENT MARKING, SIGNING,
AND LANDSCAPE PLANS

SHEET *PMK-12*
171 OF **606**

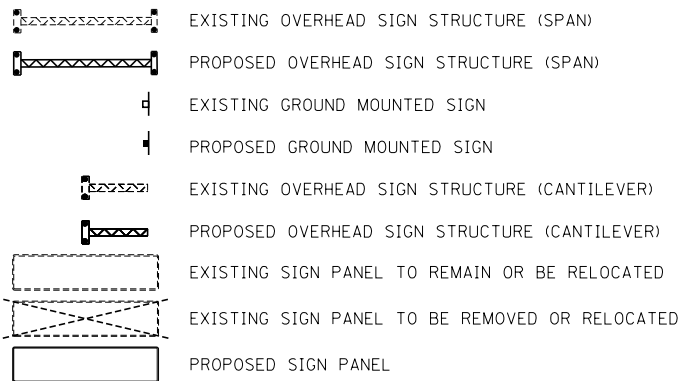
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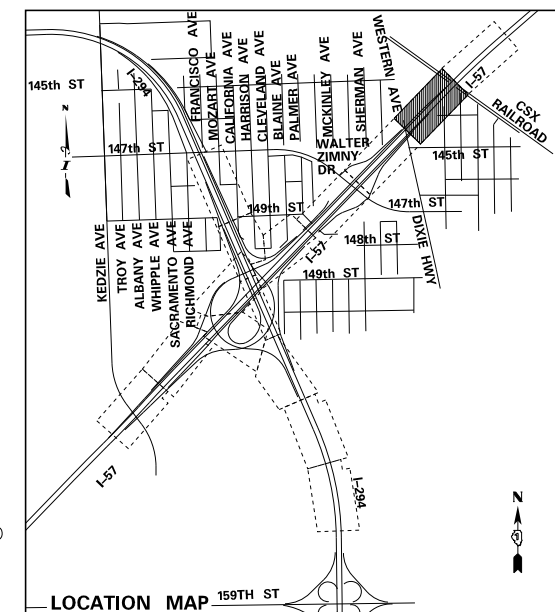
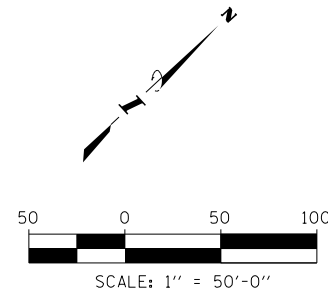
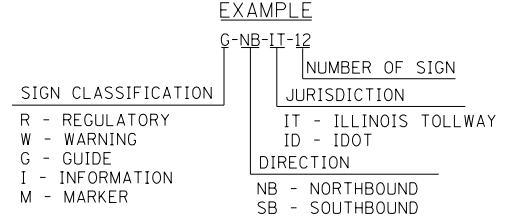
PAVEMENT MARKING NOTES:

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 3. MODIFIED URETHANE PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC EXCEPT FOR SKIP-DASH LINES.
 4. PREFORMED PLASTIC, TYPE D CONTRAST - GROOVE-IN PAVEMENT MARKING LINE SHALL BE USED FOR ALL SKIP-DASH LINES ON PCC PAVEMENT.
- TOLLWAY JURISDICTION:**
5. MULTI-POLYMER PAVEMENT MARKINGS SHALL BE USED FOR ALL MARKINGS ON TOLLWAY PAVEMENTS.
 6. PER TOLLWAY STANDARD D6, ALL LANE LINES AND EDGE LINES SHALL BE GROOVED. GORE STRIPING (CHEVRONS) AND LETTER AND SYMBOL MARKINGS SHALL BE SURFACE APPLIED.

SIGNING PLAN LEGEND



SIGN SEQUENCE NUMBERING CODE



P:\6250\057-294-5-9\Road\PS\NEW_Ramps_C&F2_01000005-PMK_SHT14.dgn 2/12/2020

DRAWN BY *DPS*
CHECKED BY *BEC*

DATE *4-3-2020*
SCALE *1"=50'*

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

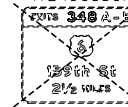
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2 PAVEMENT MARKING, SIGNING, AND LANDSCAPE PLANS

SHEET *PMK-13*
172 OF **606**

EX SIGN TO BE REMOVED FROM OH SIGN TRUSS
REMOV SIGN PANEL T3 (72400330)

EX SIGN TO BE REMOVED FROM OH SIGN TRUSS
REMOV SIGN PANEL T3 (72400330)



I-57 STA. 1328+80
EXISTING OH SIGN TRUSS TO REMAIN

G-SB-ID-11
SIGN PANEL T3
(72000300)

INSTALL AT END OF STAGE 2



MATCHLINE I-57 STA. 1317+00 - PMK-13

TEMPORARY EASEMENT

LEAVITT AVE

SOUTHBOUND INTERSTATE 57

NORTHBOUND INTERSTATE 57

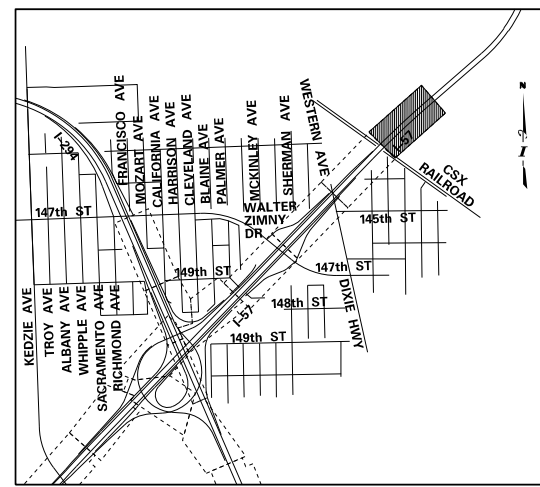
I-57 CL

EXISTING ROW

TEMPORARY EASEMENT

EXISTING ROW

W 142ND ST



SIGNING PLAN LEGEND

- EXISTING OVERHEAD SIGN STRUCTURE (SPAN)
- PROPOSED OVERHEAD SIGN STRUCTURE (SPAN)
- EXISTING GROUND MOUNTED SIGN
- PROPOSED GROUND MOUNTED SIGN
- EXISTING OVERHEAD SIGN STRUCTURE (CANTILEVER)
- PROPOSED OVERHEAD SIGN STRUCTURE (CANTILEVER)
- EXISTING SIGN PANEL TO REMAIN OR BE RELOCATED
- EXISTING SIGN PANEL TO BE REMOVED OR RELOCATED
- PROPOSED SIGN PANEL

SIGN SEQUENCE NUMBERING CODE

EXAMPLE
G-NB-IT-12

SIGN CLASSIFICATION: G - GUIDE, NB - NORTHBOUND, IT - ILLINOIS TOLLWAY

NUMBER OF SIGN: 12

JURISDICTION: IT - ILLINOIS TOLLWAY, ID - IDOT

DIRECTION: NB - NORTHBOUND, SB - SOUTHBOUND



SCALE: 1" = 50'-0"

DRAWN BY *DPS*
DATE *4-3-2020*
CHECKED BY *BEC*
SCALE *1"=50'*

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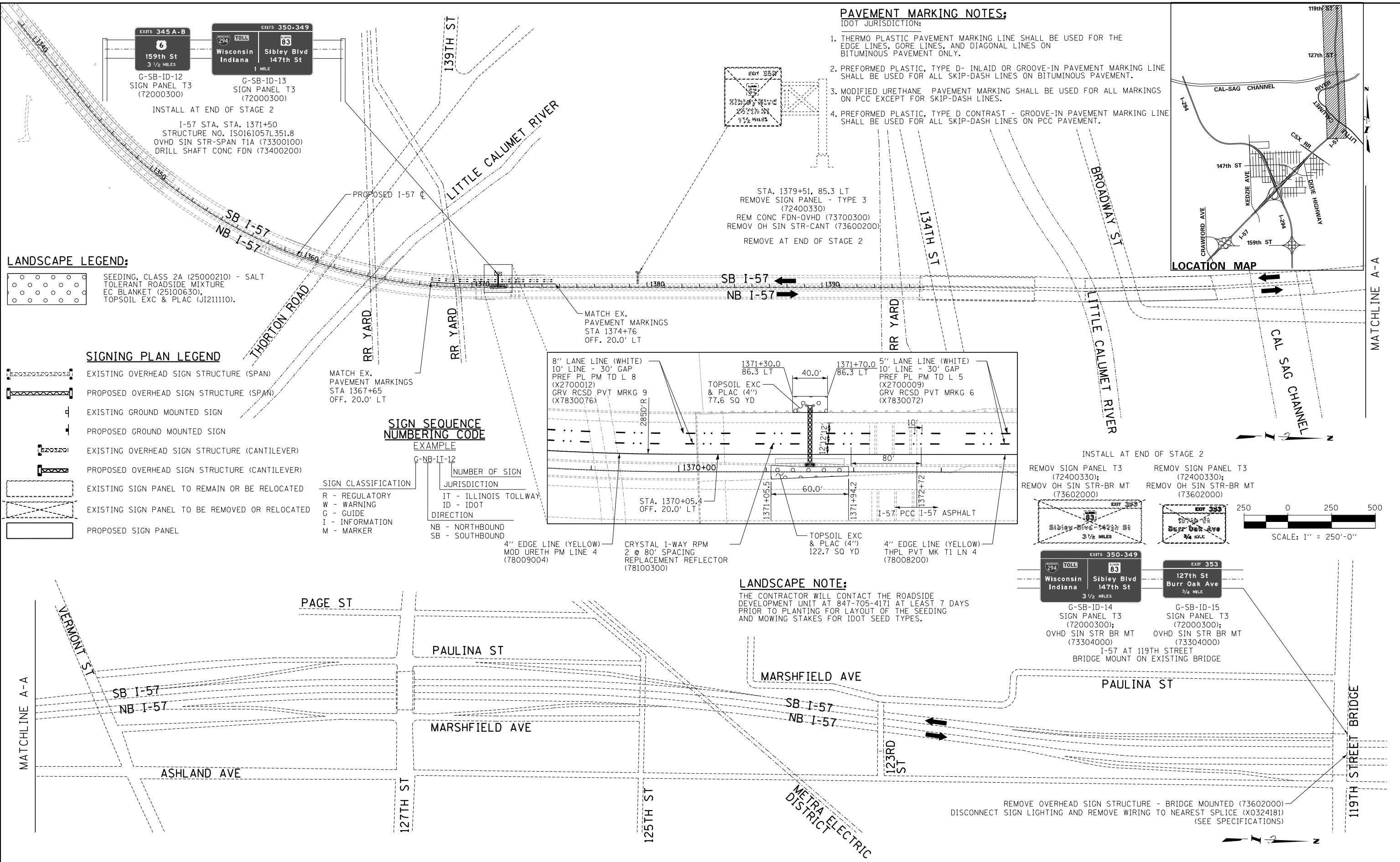
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
PAVEMENT MARKING, SIGNING,
AND LANDSCAPE PLANS

SHEET *PMK-14*
173 OF *606*

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DRAWN BY . . . JDU
 CHECKED BY . . . MPG
 DATE . . . 4-3-2020
 SCALE . . . 1"=250'

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 PAVEMENT MARKING, SIGNING,
 AND LANDSCAPE PLANS

SHEET **PMK-15**
 174 OF 606

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 2/13/2020

SIGN REMOVAL SCHEDULE

LOCATION			SIGN DESIGNATION	SIGN DESCRIPTION	SUPPORT TYPE	SIGN PANEL WIDTH (IN)	SIGN PANEL HEIGHT (IN)	REMOV SIGN PANEL T3 72400330 (SQ FT)	REMOV OH SIN STR-CANT 73600200 (EA)	REMOV OH SN STR-BR MT 73602000 (EA)	REM GR MT SIN SUPPORT 73700100 (EA)	REM CONC FDN-GR MT 73700200 (EA)	REM CONC FDN-OVHD 73700300 (OH)
ALIGNMENT	EX. STATION	EX. OFFSET											
I-294	364+50.2	97.4 LT	EXISTING	159TH STREET EXIT	OH CANTILEVER	204	144	239					
I-294	364+50.2	97.4 LT	EXISTING	EXITS 6B-A (EXIT HAT)		168	30	SEE ABOVE					
I-294	371+01.0	94.2 LT	EXISTING	PAY TOLL THIS EXIT IPASS/COINS	GROUND MOUNT	156	168	182			2	2	
CD RD/RAMP C	3245+00.0	-	EXISTING	BLANK PANEL	OH TRUSS	120	120	100					
CD RD/RAMP C	3238+40.0	-	EXISTING	BLANK PANEL	OH TRUSS	120	120	100					
CD RD/RAMP C	3224+80.0	-	EXISTING	BLANK PANEL	OH TRUSS	120	120	100					
CD RD/RAMP C	3214+25.0	-	EXISTING	BLANK PANEL	OH TRUSS	120	120	100					
I-57	1328+80.0	-	EXISTING	159TH STREET 2 1/2 MILES	OH TRUSS	186	150	194					
I-57	1328+80.0	-	EXISTING	SIBLEY BLVD - 147TH ST 1/4 MILES	OH TRUSS	186	180	233					
I-57	1379+51.0	85.3 LT	EXISTING	SIBLEY BLVD - 147TH ST 1 1/2 MILES	OH CANTILEVER	186	180	233	1				1
I-57	119TH ST	-	EXISTING	SIBLEY BLVD - 147TH ST 3 1/2 MILES	BRIDGE MOUNT	300	144	300		1			
I-57	119TH ST	-	EXISTING	127TH ST BURR OAK AVE 3/4 MILE	BRIDGE MOUNT	204	144	204		1			

SIGN RELOCATE SCHEDULE

ALIGNMENT	LOCATION				SIGN DESCRIPTION	SIGN TYPE	SIGN PANEL WIDTH (IN)	SIGN PANEL HEIGHT (IN)	RELOC SIN PAN ASSY TA 72400500 (EA)	RELOC SIGN PANEL T3 72400730 (SQ FT)	POST TYPE	NO. OF POSTS	SINGLE POST HEIGHT (FT)	STR STL SIN SUP BA 72700100 (POUND)	WOOD SIGN SUPPORT 73000100 (FT)	CONC FOUNDATION 73400100 (CU YD)	REM GR MT SIN SUPPORT 73700100 (EA)	REM CONC FDN-GR MT 73700200 (EA)	
	EXISTING		PROPOSED																
	STATION	OFFSET	STATION	OFFSET															
I-294	365+63.4	89.4 LT	365+68.2	94.0 LT	HOSPITAL/ARROW	ASSEMBLY TA			1		LP MOUNTED								
I-294	372+20.0	81.0 LT	372+20.0	94.0 LT	MILE 7	ASSEMBLY TA			1										
I-294	372+98.0	100.9 LT	373+00.0	120.0 LT	MARKHAM HARVEY THIS EXIT	PANEL	126	84		74	WOOD	2	24		48				
I-294	383+10.0	85.0 LT	377+00.0	94.0 LT	COOK CO COURTHOUSE & SHERIFFS DEPT.	PANEL	132	60		55	W6X15	2	10.4, 13.7	654		1.4	2	2	
I-294	385+62.5	81.0 LT	385+62.5	94.0 LT	MILE 7 1/4	ASSEMBLY TA			1										
I-294	387+08.0	90.0 LT	381+00.0	94.0 LT	CHICAGO SOUTHLAND LINCOLN OASIS 5 1/2 MILES	PANEL	144	144		144	W14X38	2	10.5, 14.1	2263		4.2	2	2	
I-294	390+68.0	89.2 LT	391+25.0	89.2 LT	MILE 7 1/2	ASSEMBLY TA			1										
I-294	390+68.0	0.0 LT	391+25.0	0.0 LT	MILE 7 1/2	ASSEMBLY TA			1										
I-57, CD RD C	1314+50.0	-	3214+25.0	-	SIBLEY BLVD - 147TH ST EXIT	PANEL	228	162		257	OH TRUSS MT								

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DRAWN BY SCR
 CHECKED BY PRD

DATE 4-3-2020
 SCALE N/A

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 SIGNING SCHEDULE

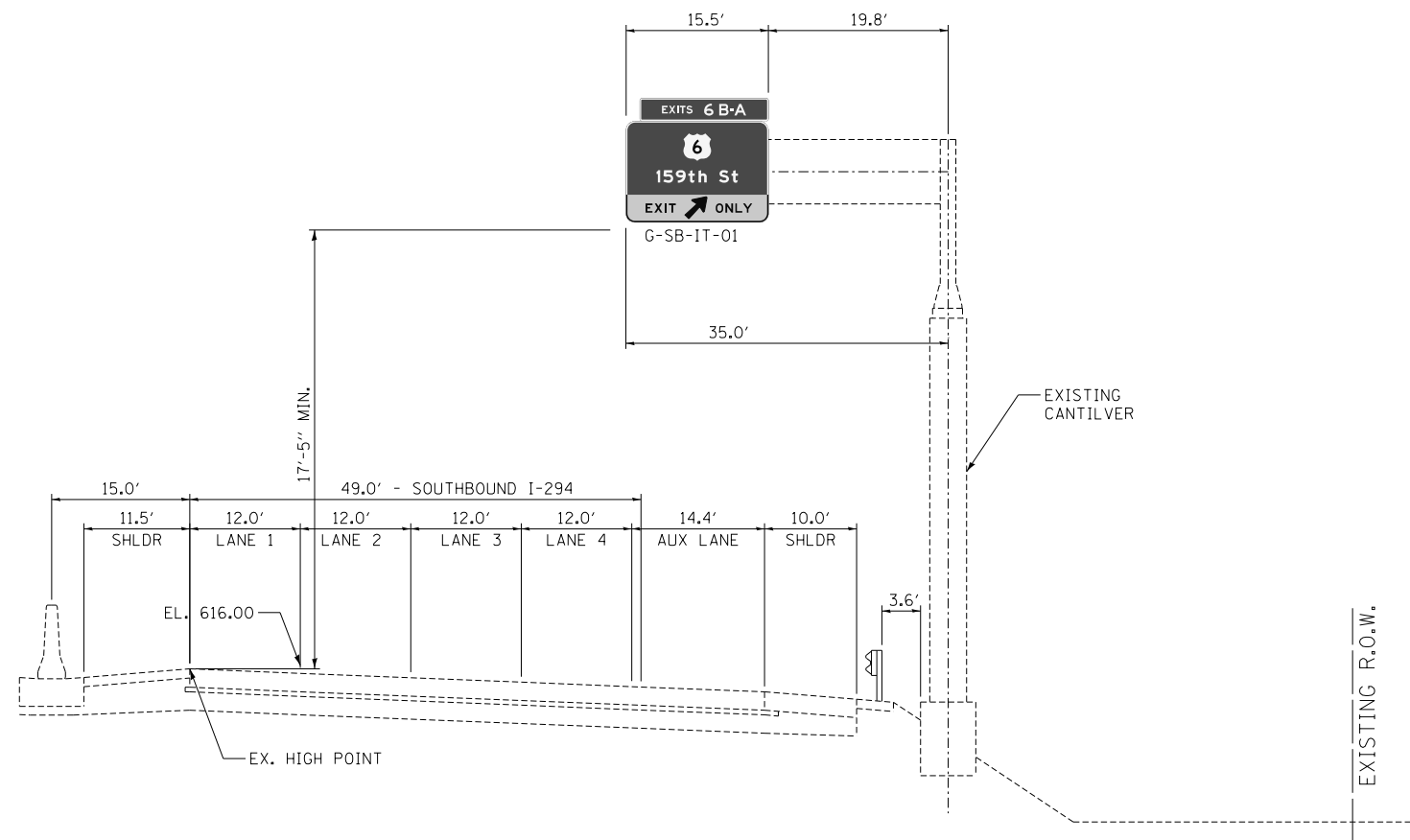
SHEET SIGN_SCH-01
 175 OF 606

PROPOSED SIGN SCHEDULE

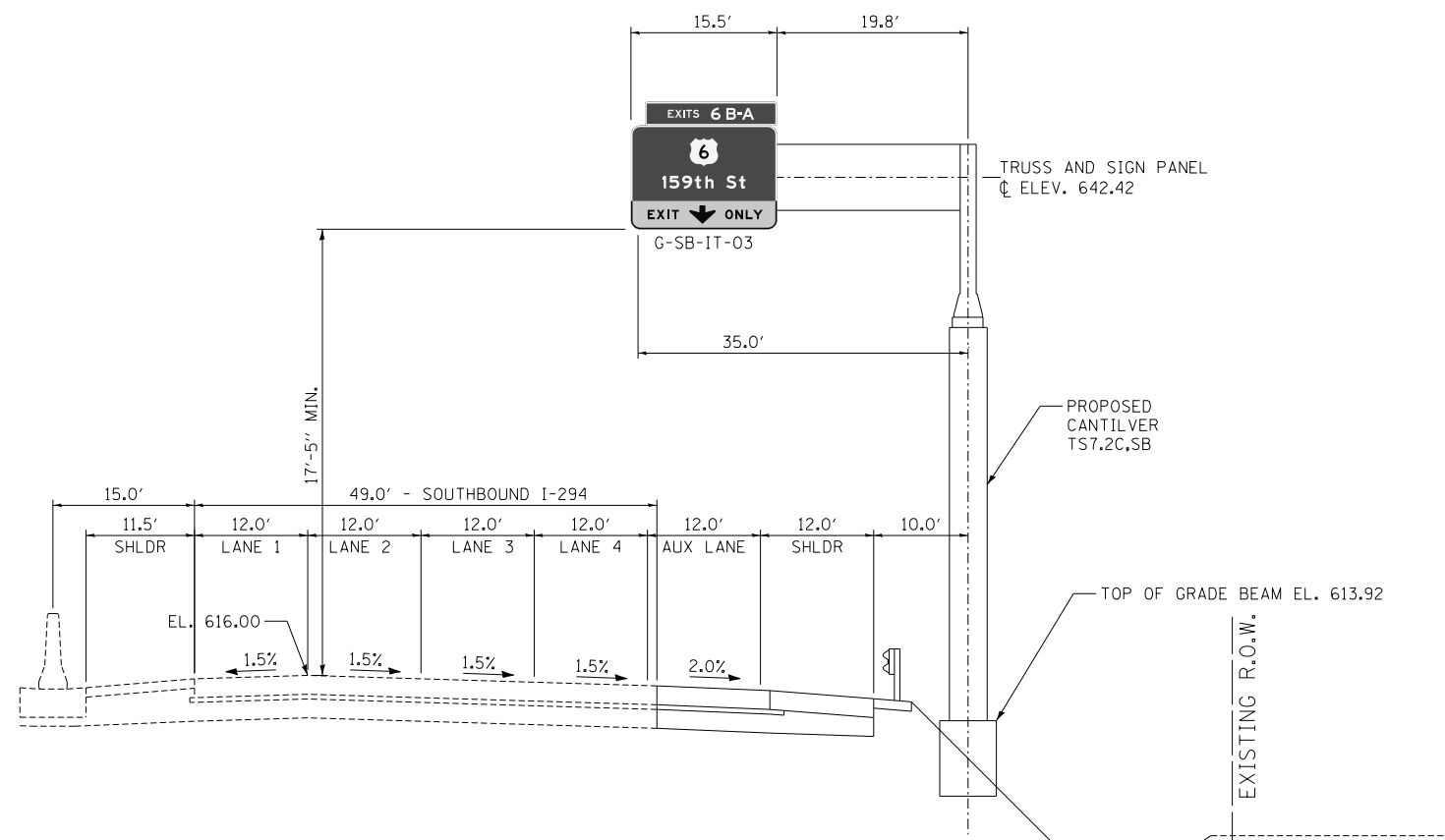
LOCATION			SIGN #	SIGN DESIGNATION	SIGN DESCRIPTION	SHEETING TYPE	SIGN PANEL WIDTH (IN)	SIGN PANEL HEIGHT (IN)	SIGN PANEL T1 72000100 (SQ FT)	SIGN PANEL T2 72000200 (SQ FT)	SIGN PANEL T3 72000300 (SQ FT)	SIGN INSTALL T1 JT720100 (SQ FT)	SIGN INSTALL T2 JT720110 (SQ FT)	SIGN INSTALL T3 JT720120 (SQ FT)	SUPPORT TYPE	NO. OF POSTS	SINGLE POST HEIGHT (FT)	STR STL SIN SUP BA 72700100 (POUNDS)	TELESCOPING STEEL SIGN SUPPORT 72800100 (FT)	WOOD SIGN SUPPORT 73000100 (FT)	CONCRETE FOUNDATIONS 73400100 (CU YD)
ALIGNMENT	STATION	OFFSET																			
I-294	364+50.2	97.4 LT	G-SB-IT-01	GUIDE	159TH STREET EXIT ONLY ARROW	ZZ	186	132						206	EX. OH CANTILEVER						
I-294	364+50.2	97.4 LT	EXIT HAT	EXIT HAT	EXITS 6B-A	ZZ	168	30						SEE ABOVE	EX. OH CANTILEVER						
I-294	370+00.0	120.4 LT	G-SB-IT-02	GUIDE	PAY TOLL THIS EXIT IPASS/COINS		234	174						283	GROUND, W16X45	2	11.0, 12.7	2838			4.5
I-294	382+50.0	97.0 LT	G-SB-IT-03	GUIDE	159TH STREET EXIT ONLY DOWN ARROW	ZZ	186	132						206	PR. OH CANTILEVER						
I-294	382+50.0	97.0 LT	EXIT HAT	EXIT HAT	EXITS 6B-A	ZZ	168	30						SEE ABOVE	PR. OH CANTILEVER						
I-294	390+62.0	85.6 LT	W-SB-IT-05	W4-3	ADDED LANE	AZ	48	48					16	GROUND, WOOD	1	19			19		
RAMP C	3290+00.0	17.0 RT	I-117	INFO	WELCOME TO THE ILLINOIS TOLLWAY		180	132						165	GROUND, W14X38	2	10.0, 13.6	2145			4.2
RAMP C	3275+00.0	6.8 RT	W-SB-ID-17	W1-8	CHEVRON	AZ	24	30	5						PARAPET WALL, TS	1	8		8		
RAMP C	3273+50.0	6.8 RT	W-SB-ID-18	W1-8	CHEVRON	AZ	24	30	5						PARAPET WALL, TS	1	8		8		
RAMP C	3272+00.0	6.8 RT	W-SB-ID-19	W1-8	CHEVRON	AZ	24	30	5						PARAPET WALL, TS	1	8		8		
RAMP C	3270+50.0	6.8 RT	W-SB-ID-20	W1-8	CHEVRON	AZ	24	30	5						PARAPET WALL, TS	1	8		8		
RAMP C	3269+00.0	6.8 RT	W-SB-ID-21	W1-8	CHEVRON	AZ	24	30	5						PARAPET WALL, TS	1	8		8		
RAMP C	3267+50.0	6.8 RT	W-SB-ID-22	W1-8	CHEVRON	AZ	24	30	5						PARAPET WALL, TS	1	8		8		
RAMP C	3266+00.0	6.8 RT	W-SB-ID-23	W1-8	CHEVRON	AZ	24	30	5						PARAPET WALL, TS	1	8		8		
RAMP C	3263+00.0	30.9 RT	W-SB-ID-24	W1-8	CHEVRON	AZ	24	30	5						PARAPET WALL, TS	1	8		8		
RAMP C	3261+50.0	26.7 RT	W-SB-ID-25	W1-8	CHEVRON	AZ	24	30	5						PARAPET WALL, TS	1	8		8		
RAMP C	3260+95.15	-	G-SB-ID-01	GUIDE	EXIT 349B I-294 S INDIANA	ZZ	210	156			228				PR. OH TRUSS						
RAMP C	3260+95.15	-	G-SB-ID-02	GUIDE	I-57 S MEMPHIS DOWN ARROW	ZZ	144	132			132				PR. OH TRUSS						
RAMP C	3260+00.0	23.1 RT	W-SB-ID-26	W1-8	CHEVRON	AZ	24	30	5						PARAPET WALL, TS	1	8		8		
RAMP C	3258+50.0	21.8 RT	W-SB-ID-27	W1-8	CHEVRON	AZ	24	30	5						PARAPET WALL, TS	1	8		8		
RAMP C	3250+00.0	29.5 RT	W-SB-ID-28	W13-3	RAMP 40 MPH	AZ	36	48		12					PARAPET WALL, TS	1	12		12		
RAMP C	3245+00.0	-	G-SB-ID-03	GUIDE	I-294 S INDIANA / I-57 S MEMPHIS DOWN ARROWS	ZZ	312	138			358				EX. OH TRUSS						
RAMP C	3245+00.0	-	EXIT HAT	EXIT HAT	LEFT EXIT 349B	ZZ	156	54			SEE ABOVE				EX. OH TRUSS						
RAMP C	3245+00.0	-	G-SB-ID-04	GUIDE	EXIT 349A I-294 N WISCONSIN ARROWS	ZZ	222	198			306				EX. OH TRUSS						
RAMP C	3245+00.0	24.3 RT	W-SB-ID-30	W13-3	RAMP 35 MPH	ZZ	36	48		12					EX. OH TRUSS COLUMN						
RAMP C	3238+40.0	-	G-SB-ID-05	GUIDE	INDIANA / MEMPHIS / WISCONSIN OAPL	ZZ	408	216			655				EX. OH TRUSS						
RAMP C	3238+40.0	-	EXIT HAT	EXIT HAT	EXIT 349A	ZZ	204	30			SEE ABOVE				EX. OH TRUSS						
RAMP C	3232+50.0	30.1 RT	W-SB-ID-29	W4-3	ADDED LANE	AZ	48	48		16					GROUND, WOOD	1	19		19		
RAMP C	3224+80.0	-	G-SB-ID-06	GUIDE	LEFT EXIT 349B I-294 S INDIANA 3/4 MILE	ZZ	156	180			195				EX. OH TRUSS						
RAMP C	3224+80.0	-	G-SB-ID-07	GUIDE	EXIT 349A I-294 N WISCONSIN 1/2 MILE	ZZ	204	186			264				EX. OH TRUSS						
RAMP C	3219+75.0	28.0 RT	G-SB-ID-09	GUIDE	EXIT 350 ARROW	ZZ	96	60			40				GROUND, WOOD	2	19		38		
RAMP C	3214+25.0	-	G-SB-ID-08	GUIDE	I-294 WISC-IND DOWN ARROWS	ZZ	204	162			230				EX. OH TRUSS						
I-57	1314+50.0	-	G-SB-ID-10	GUIDE	EXITS 350-349 I-294 WISC-IND, SIBLEY-147TH ST EXIT ARROW	ZZ	348	180			435				EX. OH TRUSS						
I-57	1328+80.0	-	G-SB-ID-11	GUIDE	EXITS 350-349 I-294 WISC-IND, SIBLEY-147TH ST 1/4 MILE	ZZ	348	180			435				EX. OH TRUSS						
I-57	1371+50.0	-	G-SB-ID-12	GUIDE	EXITS 345 A-B 159TH ST 3 1/2 MILES	ZZ	192	150			200				PR. OH TRUSS						
I-57	1371+50.0	-	G-SB-ID-13	GUIDE	EXITS 350-349 I-294 WISC-IND, SIBLEY-147TH ST 1 MILE	ZZ	348	180			435				PR. OH TRUSS						
I-57	AT 119TH ST	-	G-SB-ID-14	GUIDE	EXITS 350-349 I-294 WISC-IND, SIBLEY-147TH ST 3 1/2 MILES	ZZ	348	180			435				PR. BRIDGE MOUNT						
I-57	AT 119TH ST	-	G-SB-ID-15	GUIDE	EXIT 353 127TH ST BURR OAK AVE 3/4 MILE	ZZ	204	132			187				PR. BRIDGE MOUNT						
RAMP F2	5013+43.7	28.3 LT	W-SB-ID-16	W4-1	MERGE	AZ	48	48		16					GROUND, WOOD	1	19		19		

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DRAWN BY SCR	DATE 4-3-2020	TYLIN INTERNATIONAL	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY 2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515	REVISIONS		CONTRACT I-19-4495	SHEET SIGN_SCH-02
				NO.	DATE		
CHECKED BY PRD	SCALE N/A					SIGNING SCHEDULE	176 OF 606



I-294 STA. 364+50.2 (LOOKING DOWNSTREAM)



I-294 STA. 382+50 (LOOKING DOWNSTREAM)

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 CHECKED BY **JPM**

DATE **4-3-2020**
 SCALE **NTS**

TYLIN INTERNATIONAL

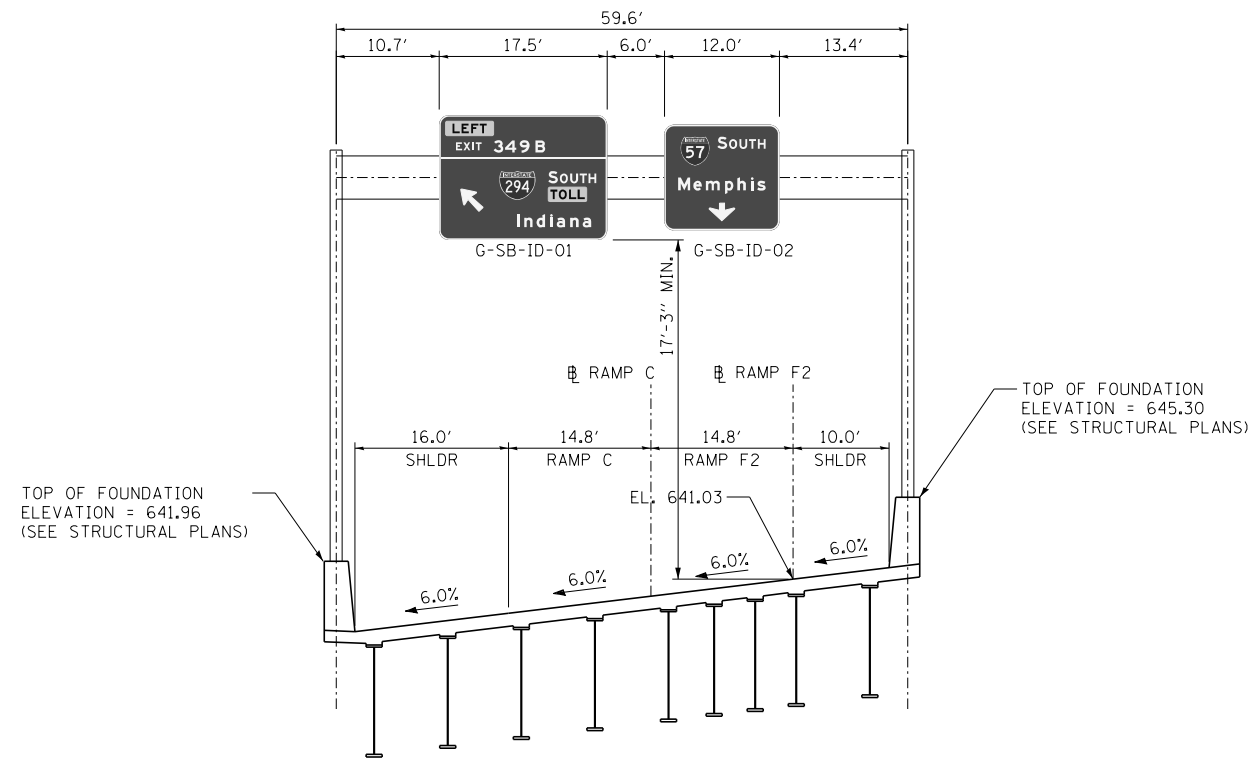


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

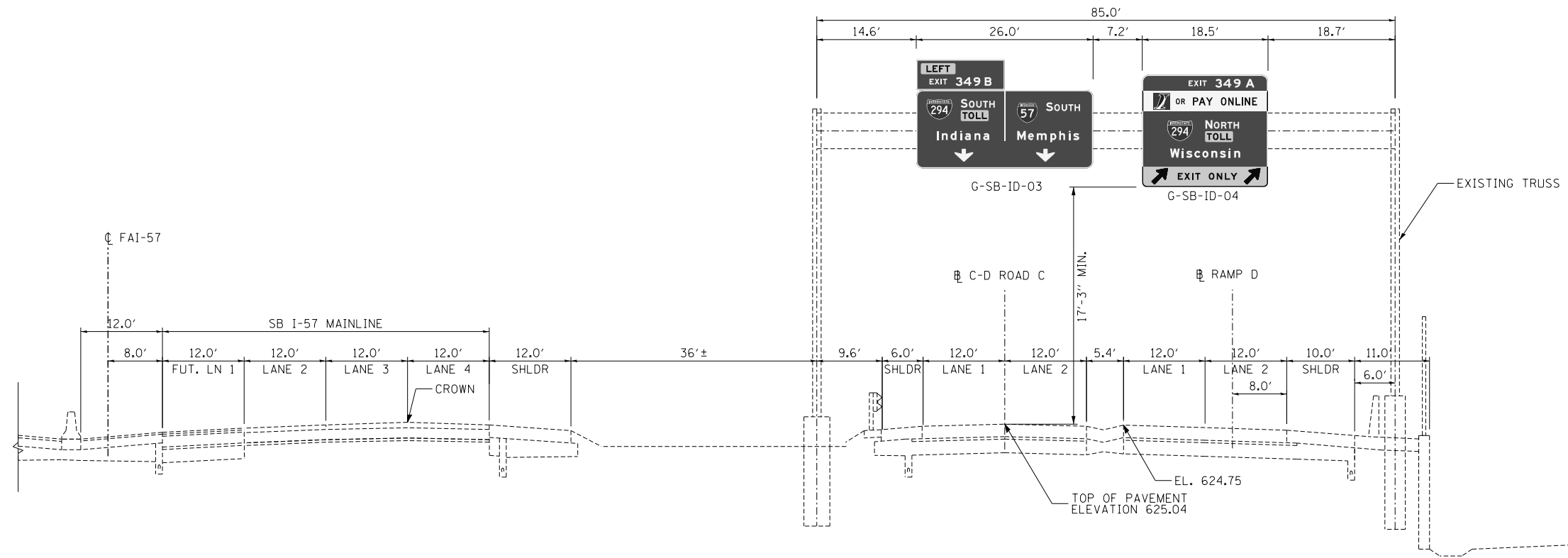
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 SIGNING SECTIONS
 SHEET 1

SHEET **SIGN_XS-01**
 177 OF 606



RAMP C STA. 3260+95.2



CD ROAD C STA. 3245+00

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 CHECKED BY **JPM**

DATE **4-3-2020**
 SCALE **NTS**

TYLIN INTERNATIONAL

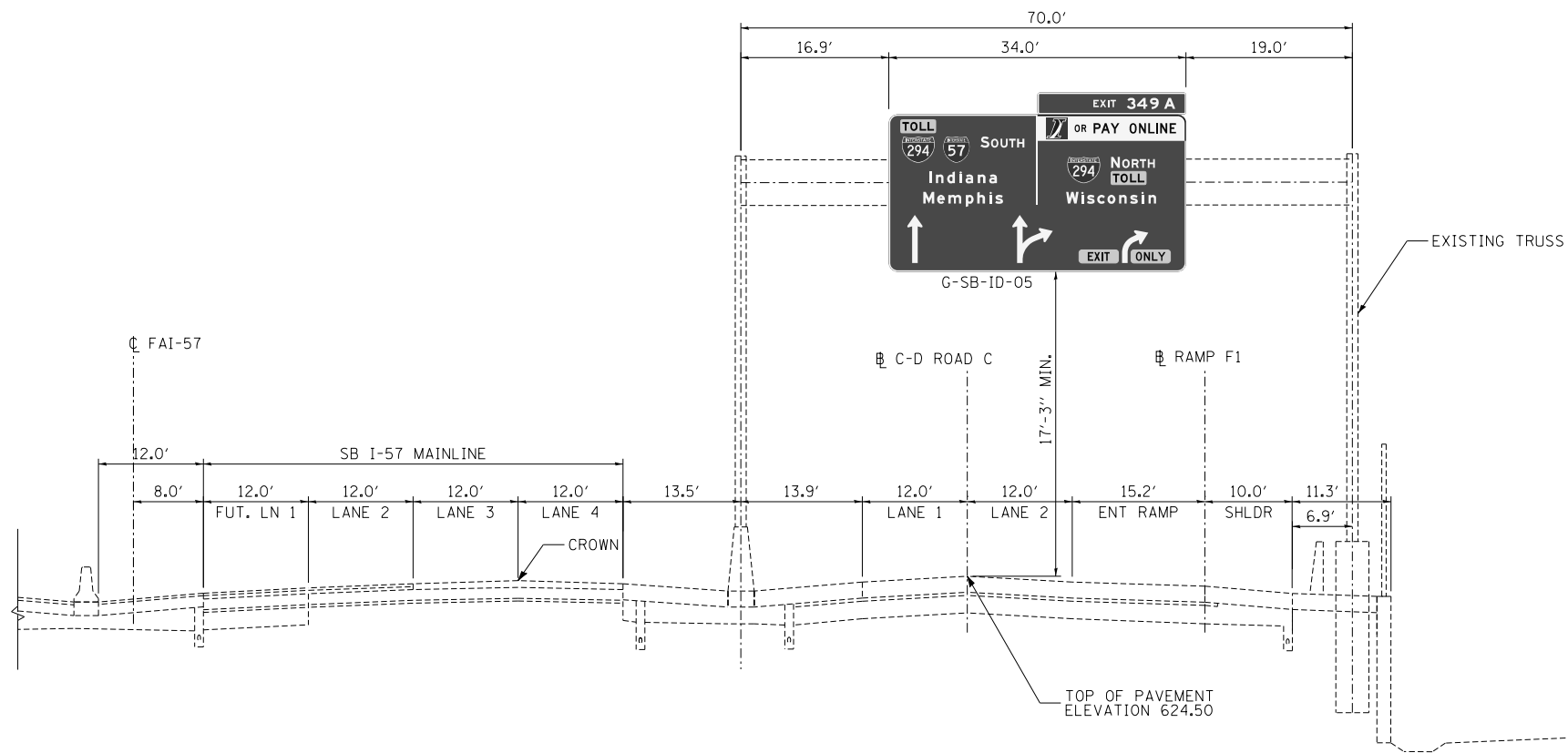


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

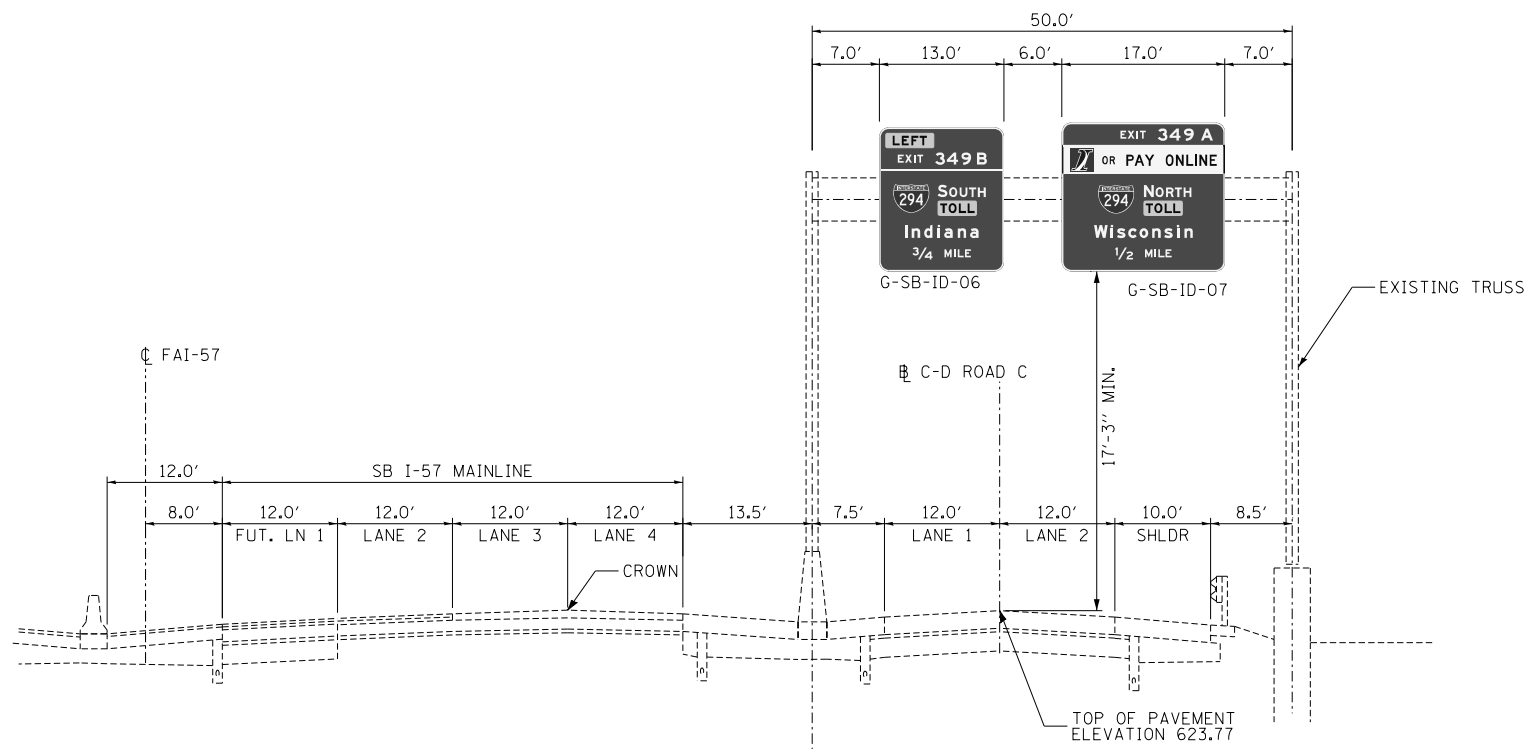
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 SIGNING SECTIONS
 SHEET 2

SHEET **178** OF **606**
 SIGN_XS-02



CD ROAD C STA. 3238+40



CD ROAD C STA. 3224+80

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DATE **4-3-2020**
 SCALE **NTS**

TYLIN INTERNATIONAL

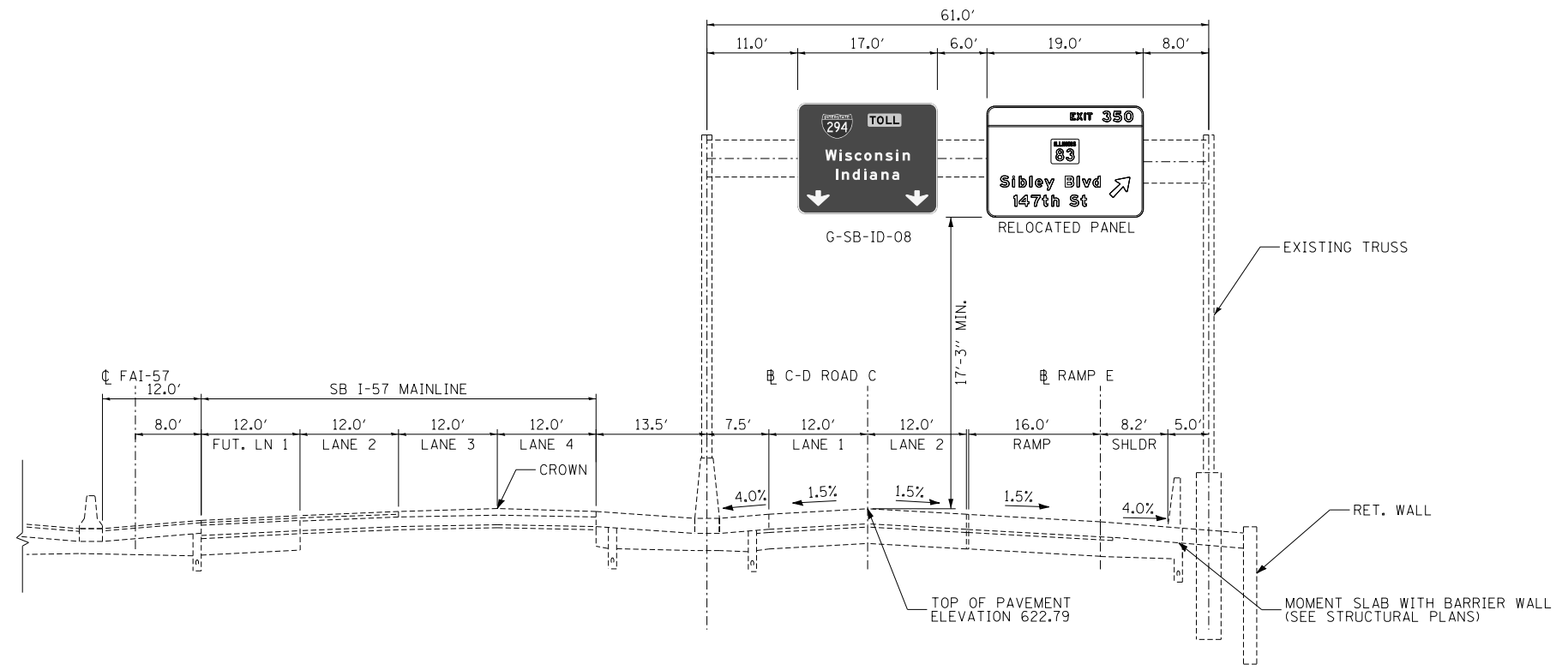


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

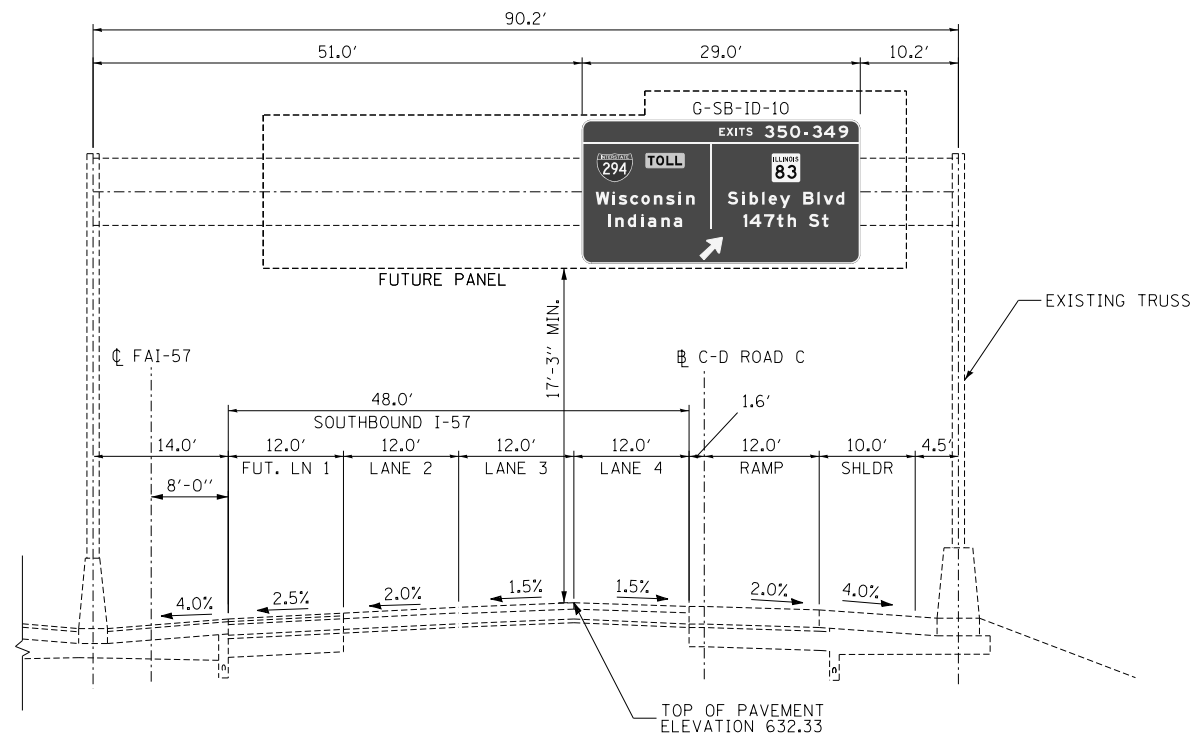
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 SIGNING SECTIONS
 SHEET 3

SHEET **179** OF **606**
 SIGN_XS-03



CD ROAD C STA. 3214+25



I-57 STA. 1314+50 (LOOKING DOWNSTREAM)

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CHECKED BY JPM

DATE 4-3-2020
SCALE N.T.S.

TYLIN INTERNATIONAL

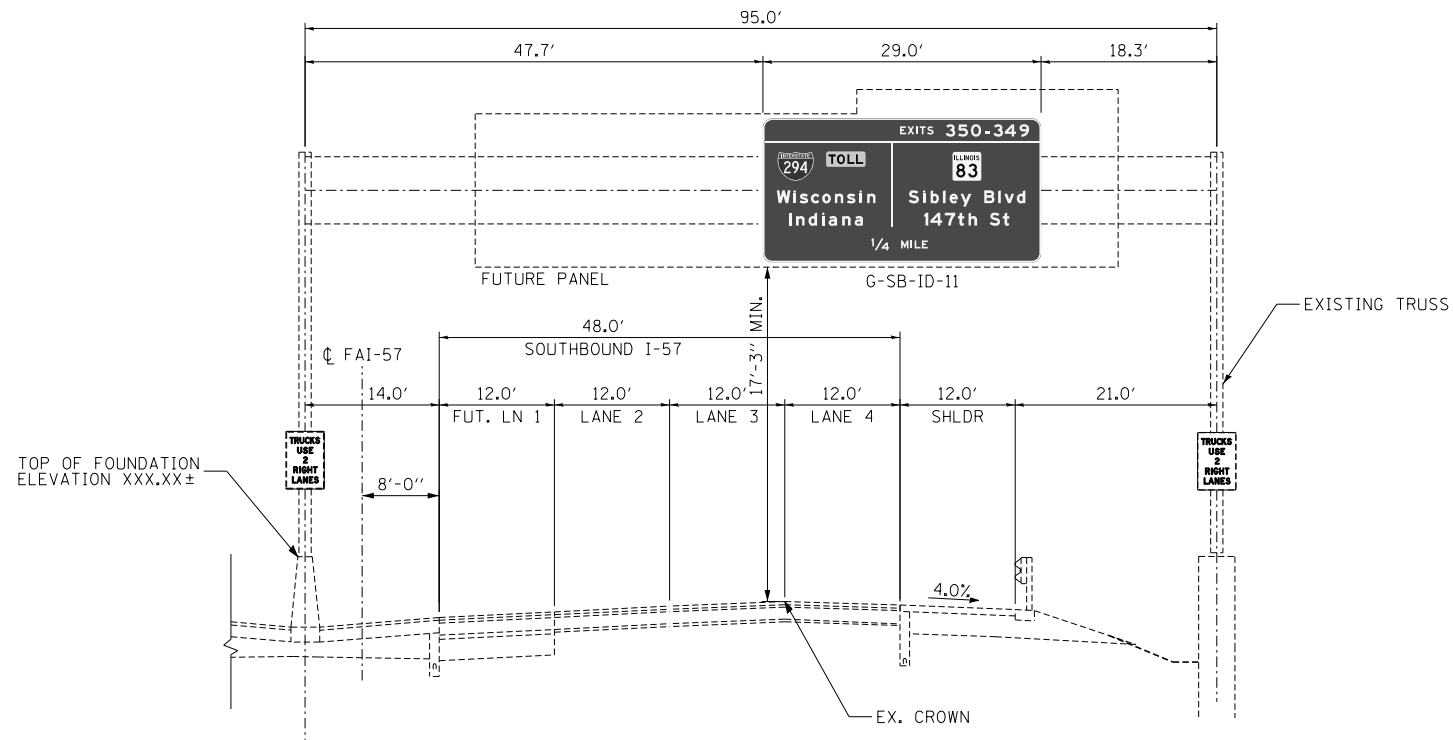


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

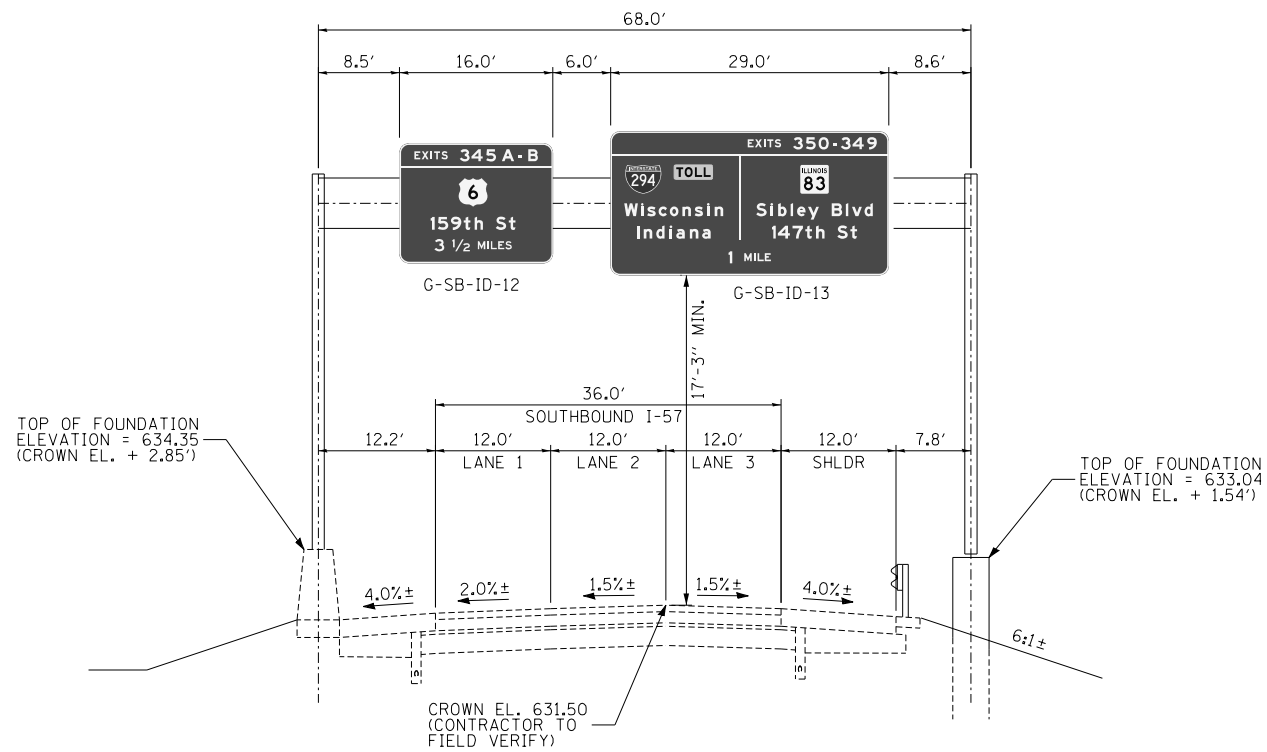
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGNING SECTIONS
SHEET 4

SHEET SIGN_XS-04
180 OF 606



I-57 STA. 1328+80 (LOOKING DOWNSTREAM)



I-57 STA. 1371+50 (LOOKING DOWNSTREAM)

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DATE **4-3-2020**
 SCALE **N.T.S.**

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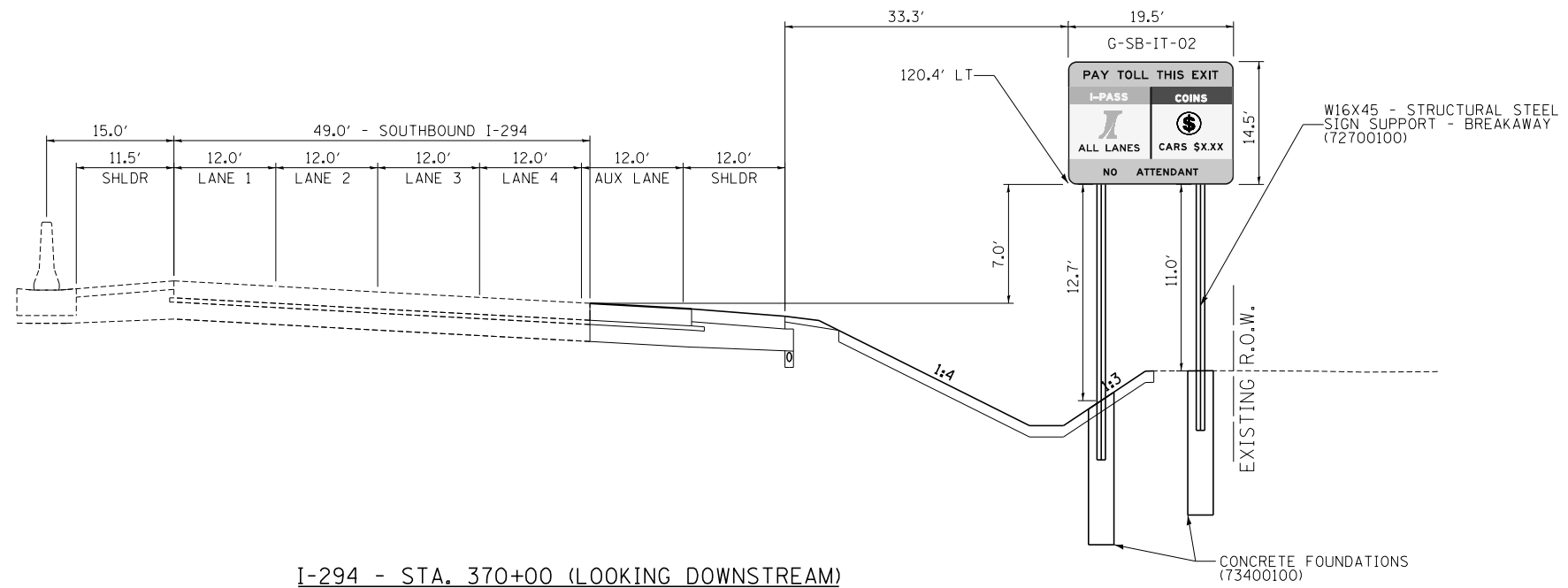


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

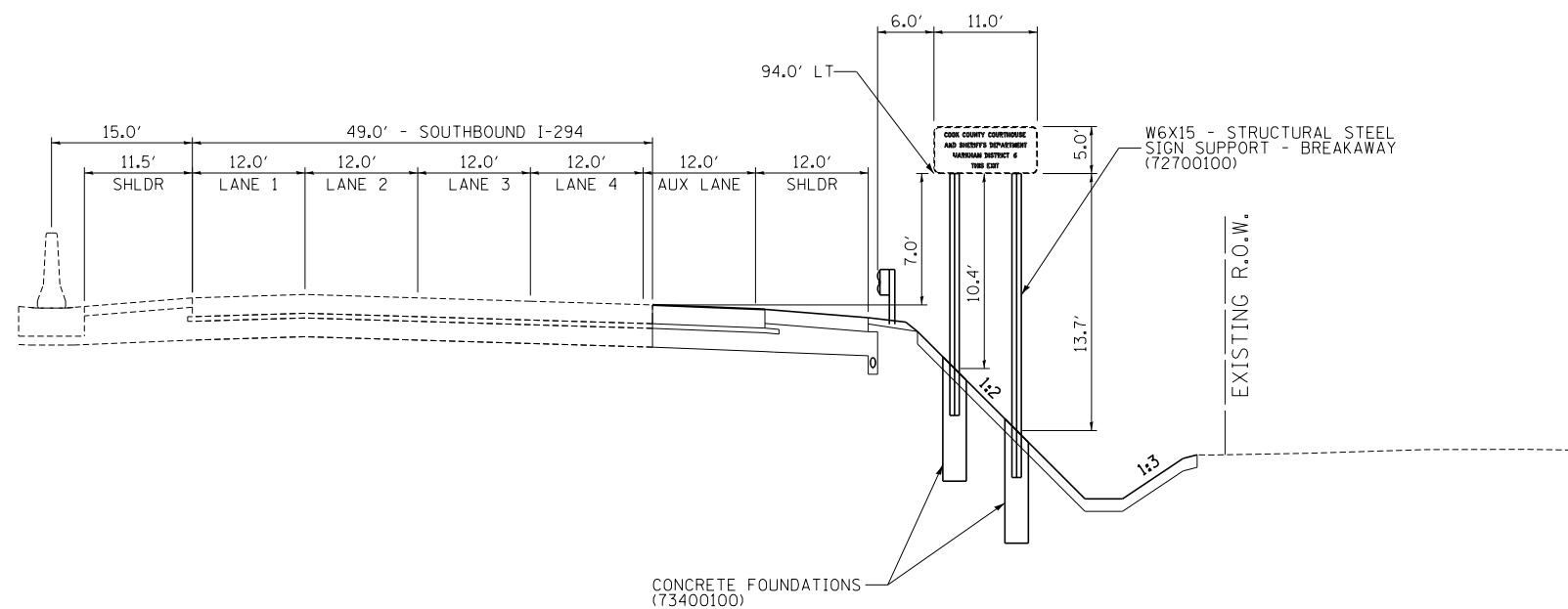
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 SIGNING SECTIONS
 SHEET 5

SHEET SIGN_XS-05
 181 OF 606



I-294 - STA. 370+00 (LOOKING DOWNSTREAM)



I-294 - STA. 377+00 (LOOKING DOWNSTREAM)

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CHECKED BY JPM

DATE 4-3-2020
SCALE N.T.S.

TYLIN INTERNATIONAL

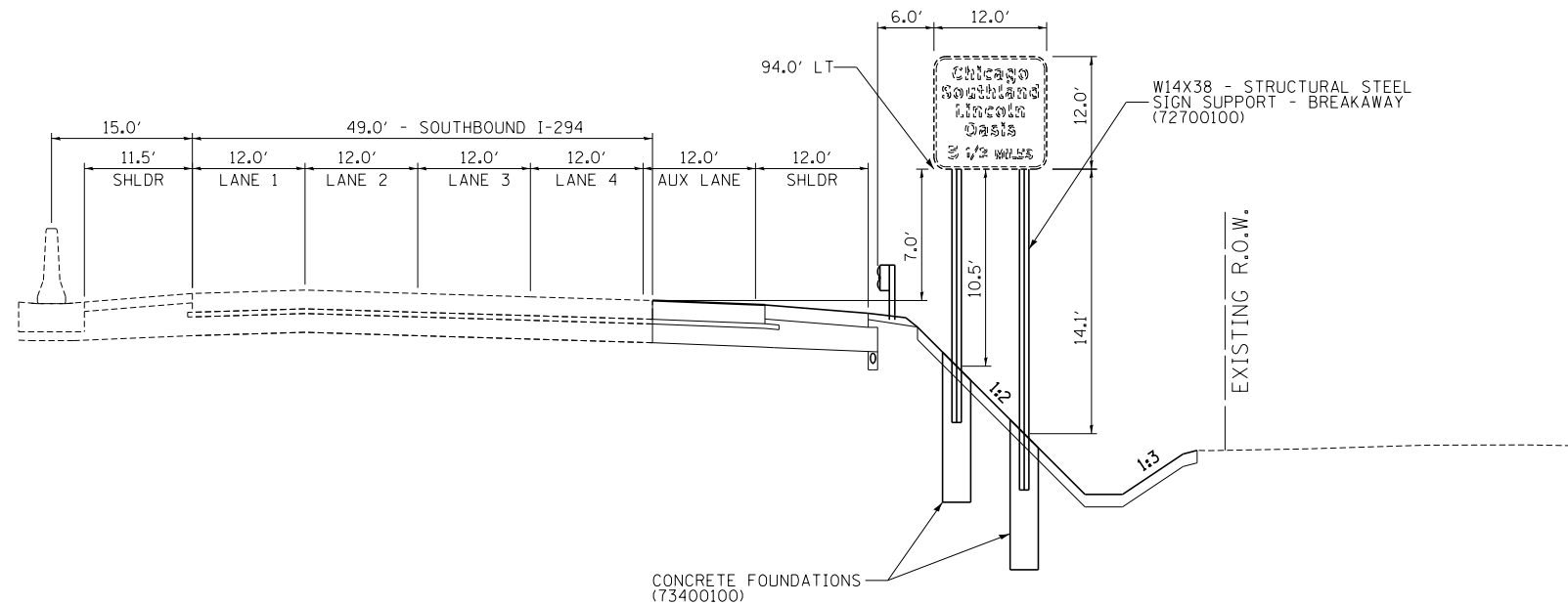


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

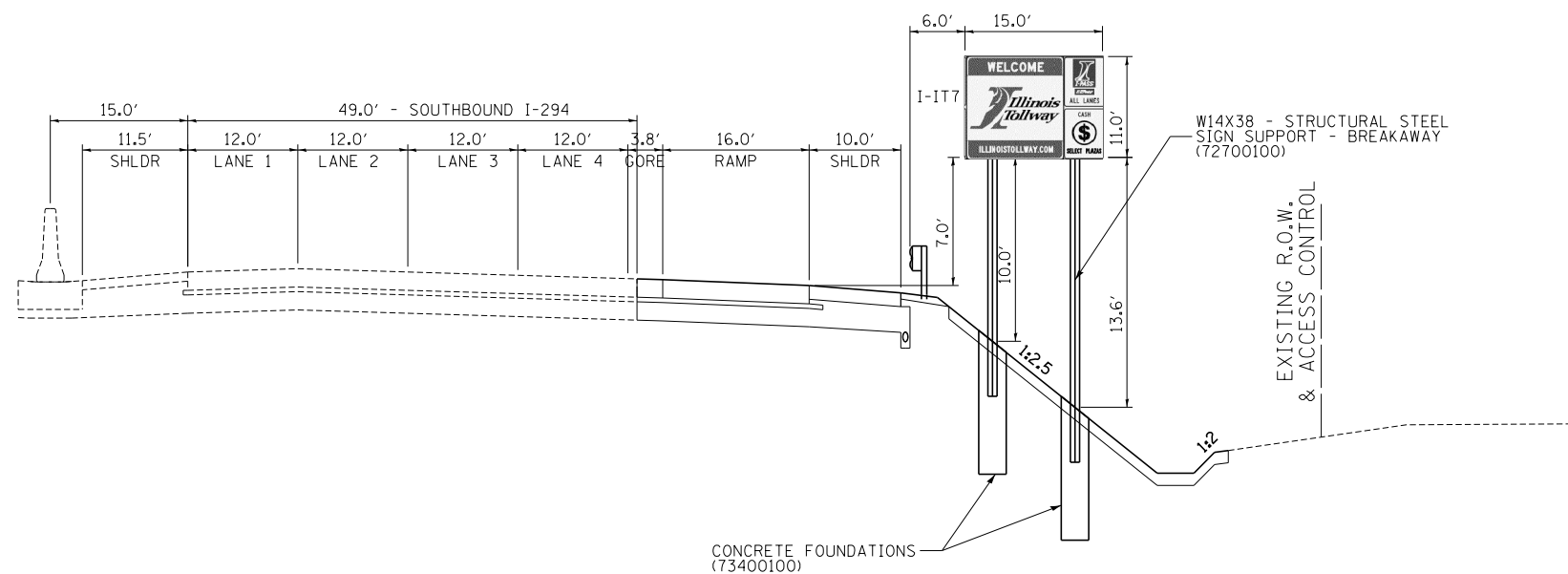
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGNING SECTIONS
SHEET 6

SHEET SIGN_XS-06
182 OF 606



I-294 - STA. 381+00 (LOOKING DOWNSTREAM)



RAMP C - STA. 3290+00

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DATE **4-3-2020**
 SCALE **N.T.S.**

TYLIN INTERNATIONAL



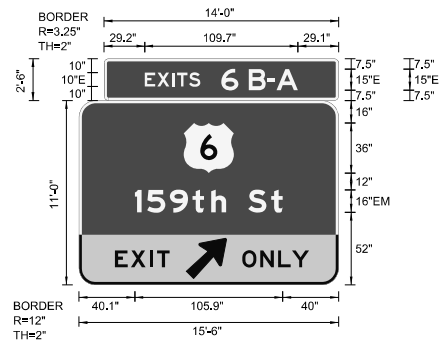
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 SIGNING SECTIONS
 SHEET 7

SHEET SIGN_XS-07
 183 OF 606

SIGN DETAIL
1:100



SIGN NUMBER	G-SB-IT-01
WIDTH x HGHT.	15'-6" x 11'-0"
BORDER WIDTH	6.75"
CORNER RADIUS	10"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: GreenYellow
LEGEND/BORDER	TYPE: Reflective COLOR: WhiteBlackWhite

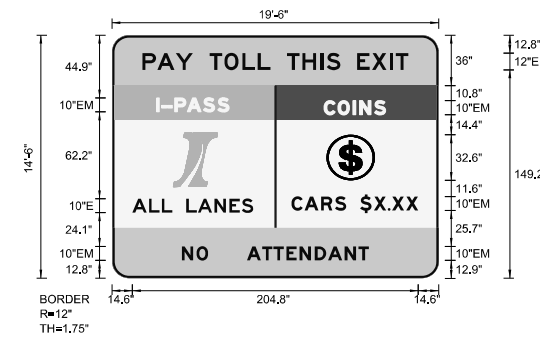
SYMBOL	ROT	X	Y	WID	HT
M1_4	0	75	80	36	36
AR_Type A (16)	315	77	4.6	22.2	36.6

Panel Style: guide_exp_overhead.ssi
Dimensions are in inches.tenths

Letter locations are paneledge to lower left corner

LETTER POSITIONS (X)													LENGTH	SERIES/SIZE		
E	X	I	T	S	6	B	-	A							E 2000	
29.2	38.1	48.8	52.3	60.9	84	103.6	117.3	123.6							109.7	10,15
1	5	9	1	h	S	l										EM 2000
40.1	48.9	65.2	81.3	94.8	105.3	121.3	137.7								105.9	16,12
E	X	I	T													E 2000
25.8	37.2	51	56												39.2	12
O	N	L	Y													E 2000
117	129.9	142.7	152.7												47.9	12

SIGN DETAIL
1:100



SIGN NUMBER	G-SB-IT-02
WIDTH x HGHT.	19'-6" x 14'-6"
BORDER WIDTH	1.75"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: Reflective COLOR: YellowBlueRedWhite
LEGEND/BORDER	TYPE: Reflective COLOR: BlackWhiteBlack

SYMBOL	ROT	X	Y	WID	HT
	0	153.7	70.1	34.7	32.6
	0	153.7	70.1	34.7	32.6
	0	153.7	70.1	34.7	32.6
	0	153.7	70.1	34.7	32.6

Panel Style: regulatory_fw_HOV.ssi
Dimensions are in inches.tenths

Letter locations are paneledge to lower left corner

LETTER POSITIONS (X)																LENGTH	SERIES/SIZE			
P	A	Y		T	O	L	L	T	H	I	S	E	X	I	T			E 2000		
21.7	32.4	45.6	57.9	69.9	80.5	93.4	104.4	113.4	125.4	136.5	149.3	153.9	163.6	175.6	186.3	199.1	203.3	190.6	12	
I	-	-	P	A	S	S														EM 2000
31.9	35.6	39.7	44.9	53.8	65.4	75.7													51.9	10
C	O	I	N	S																EM 2000
151.9	161.8	172.6	177.4	188															44.2	10
C	A	R	S		\$	X	.	X	X											EM 2000
128.6	137.9	149.8	159.7	167.8	177.8	187.7	197.5	200.6	210.7										90.8	10
A	L	L		L	A	N	E	S												E 2000
14.6	26.5	35.7	43.2	53.2	61.5	73.4	84.1	93											86.5	10

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DATE 4-3-2020
SCALE NONE

TYLIN INTERNATIONAL



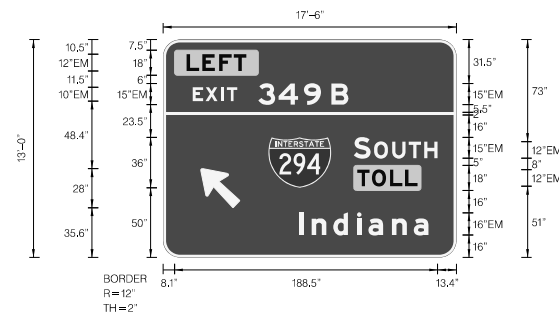
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGNING DETAILS

SHEET SIGN-01
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SIGN DETAIL
1:100



SIGN NUMBER	G-SB-ID-01
WIDTH x HGHT.	17'-6" x 13'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING COLOR: Black/White/White

SYMBOL	ROT	X	Y	WD	HT
M1_1	0	75.3	49.9	45	36
AR_Type A (16)	45	26.9	35.6	22.2	35.6

Panel Style: guide_exp_advance_a.ssi
Dimensions are in inches.tenths

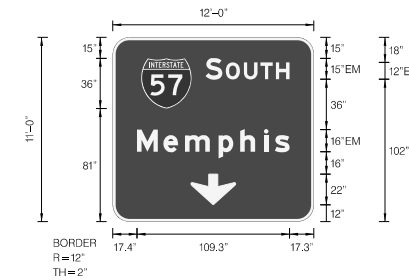
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

LENGTH SERIESIZE

LETTER	LENGTH	SERIESIZE
L	16.8	EM 2000
E	28	12
F	40.1	EM 2000
T	50.6	10,15
3	68.1	EM 2000
4	82.6	15,12
9	100.8	EM 2000
B	120.5	12
S	136.4	EM 2000
O	151	15,12
U	163.9	EM 2000
T	175.8	12
H	186.9	EM 2000
T	139	12
O	149.5	EM 2000
L	162.5	16/12
L	173.3	EM 2000
I	97.7	EM 2000
n	106.3	16/12
d	121.8	
i	138.8	
a	147	
n	163.9	
a	179.4	

SIGN DETAIL
1:100



SIGN NUMBER	G-SB-ID-02
WIDTH x HGHT.	12'-0" x 11'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING COLOR: White/White

SYMBOL	ROT	X	Y	WD	HT
M1_1	0	20.4	81	36	36
Down Arrow	0	56	12	32	22

Panel Style: guide_exp_pull-thru.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)

LENGTH SERIESIZE

LETTER	LENGTH	SERIESIZE
S	66.4	EM 2000
O	80.9	15,12
U	93.9	EM 2000
T	105.8	16/12
H	116.8	EM 2000
M	17.4	EM 2000
e	36.3	16/12
m	51.8	
p	75.8	
h	91.3	
i	108.3	
s	116.1	

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CHECKED BY *MPG*

DATE *4-3-2020*
SCALE *NONE*

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

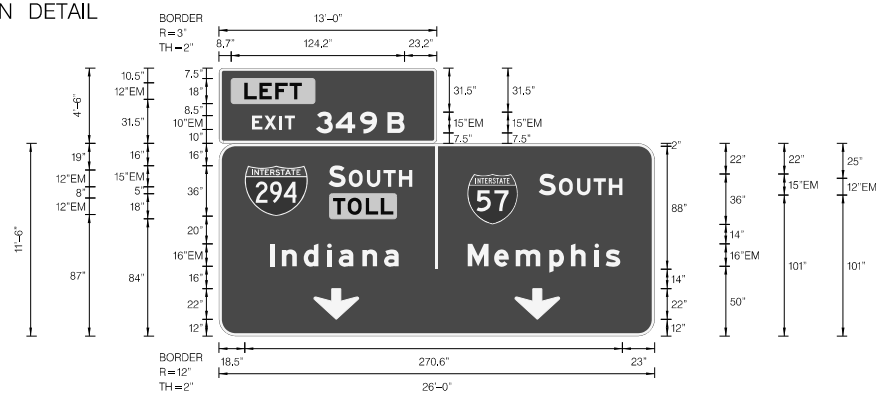
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGNING DETAILS

SHEET *SIGN-03*
186 OF *606*

SIGN DETAIL

1:100



SIGN NUMBER	G-SB-ID-03
WIDTH x HGHT.	26'-0" x 11'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING COLOR: Black/White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	18.5	86	45	36
M1_1	0	178	80	36	36
Down Arrow	0	68	12	32	22
Down Arrow	0	212	12	32	22

Panel Style: guide_fwj_OH_APL.ssi
Dimensions are in inches.tenths

Letter locations are paneledge to lower left corner

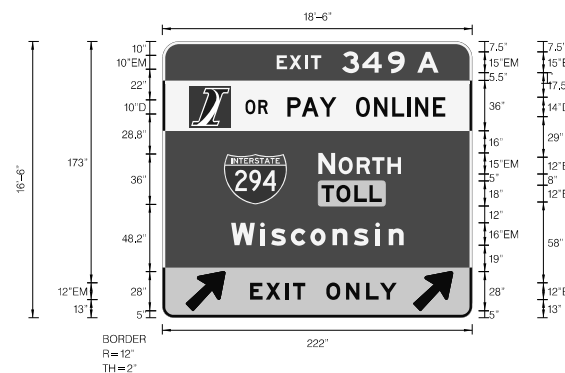
LETTER POSITIONS (X)

LENGTH SERIESIZE

Letter	X	Y	WID	HT
L	18.1	86	45	36
E	28.9	86	45	36
F	40.3	86	45	36
T	50.5	86	45	36
3	69.4	86	45	36
4	83.5	86	45	36
9	101.1	86	45	36
B	120.7	86	45	36
S	78.5	15.12	32	22
O	92.9	15.12	32	22
U	105.9	15.12	32	22
T	117.8	15.12	32	22
H	128.8	15.12	32	22
S	229	15.12	32	22
O	243.4	15.12	32	22
U	256.4	15.12	32	22
T	268.3	15.12	32	22
H	279.3	15.12	32	22
T	81.6	12	32	22
O	92.2	12	32	22
L	105.1	12	32	22
L	115.9	12	32	22
I	36.5	1612	45	36
n	45.1	1612	45	36
d	60.6	1612	45	36
i	77.6	1612	45	36
a	85.7	1612	45	36
n	102.7	1612	45	36
a	118.2	1612	45	36
M	178.2	1612	45	36
e	197.1	1612	45	36
m	212.6	1612	45	36
p	236.6	1612	45	36
h	252.1	1612	45	36
i	269.1	1612	45	36
s	276.9	1612	45	36

SIGN DETAIL

1:100



SIGN NUMBER	G-SB-ID-04
WIDTH x HGHT.	18'-6" x 16'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING COLOR: Green/White/Yellow
LEGEND/BORDER	TYPE: ZZ SHEETING COLOR: Black/White/White

SYMBOL	ROT	X	Y	WID	HT
IPASS	0	19.5	136	30	30
M1_1	0	44.1	81.2	45	36
AR_Type A (16)	315	16.9	5	22.2	35.6
AR_Type A (16)	315	179.9	5	22.2	35.6

Panel Style: guide_exp_advance_a.ssi
Dimensions are in inches.tenths

Letter locations are paneledge to lower left corner

LETTER POSITIONS (X)

LENGTH SERIESIZE

Letter	X	Y	WID	HT
E	81.9	10.15	30	30
X	91	10.15	30	30
I	102.2	10.15	30	30
T	106.3	10.15	30	30
3	128.7	10.15	30	30
4	143.2	10.15	30	30
9	161.5	10.15	30	30
A	182.6	10.15	30	30
O	59.5	10.14	30	30
R	68.8	10.14	30	30
P	89.6	10.14	30	30
A	99.9	10.14	30	30
Y	112.7	10.14	30	30
O	124.7	10.14	30	30
N	138.7	10.14	30	30
L	151.7	10.14	30	30
I	164.6	10.14	30	30
N	175.4	10.14	30	30
E	181	10.14	30	30
193.9				
N	111.6	15.12	32	22
O	126.2	15.12	32	22
R	139.2	15.12	32	22
T	150.2	15.12	32	22
H	161.2	15.12	32	22
T	114	12	32	22
O	124.6	12	32	22
L	137.6	12	32	22
L	148.4	12	32	22
W	49.2	123.5	45	36
i	70	123.5	45	36
s	77.9	123.5	45	36
c	92	123.5	45	36
o	106	123.5	45	36
n	121.9	123.5	45	36
s	137.1	123.5	45	36
i	152.6	123.5	45	36
n	162.2	123.5	45	36
E	62.9	105.1	45	36
X	74.1	105.1	45	36
I	88.1	105.1	45	36
T	93.5	105.1	45	36
O	117.4	105.1	45	36
N	131.5	105.1	45	36
L	145.9	105.1	45	36
Y	155.8	105.1	45	36

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DATE 4-3-2020
SCALE NONE

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGNING DETAILS

SHEET SIGN-04
187 OF 606

DRAWN BY KRP
 CHECKED BY MPQ

DATE 4-3-2020
 SCALE NONE

TYLIN INTERNATIONAL



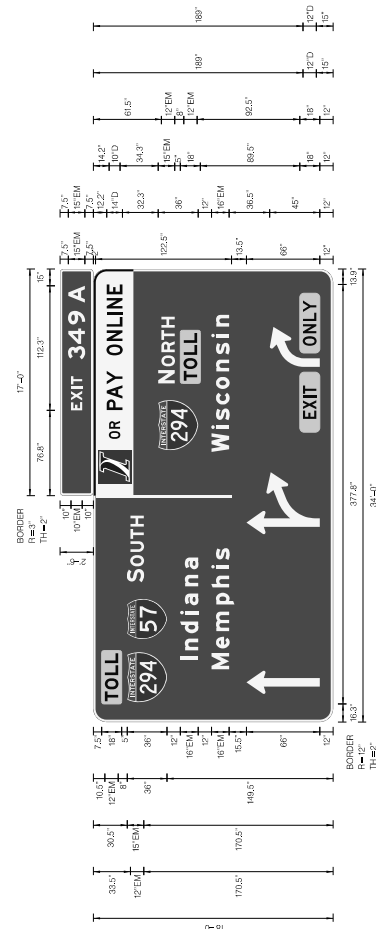
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 SIGNING DETAILS

SHEET SIGN-05
 188 OF 606

SIGN DETAIL
 1:200



Panel Style: guide_fwy_OH_APL_ssi
 Dimensions are in inches.tenths
 Letter locations are panel edge to lower left corner

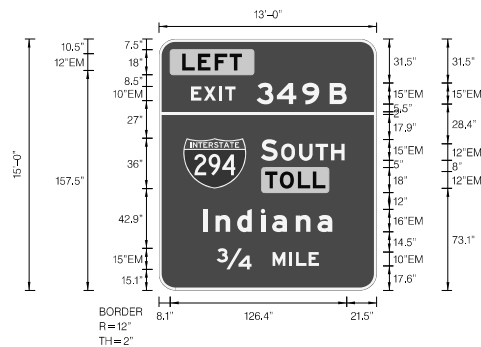
SIGN NUMBER	G-SB-ID-05
WIDTH x HIGHT.	34'-0" x 18'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING
	COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING
	COLOR: Black/White/White

SYMBOL	ROT	X	Y	WID	HT
IPASS	0	215	181.8	30	30
M1_1	0	17.8	149.5	45	36
M1_1	0	74.8	149.5	36	36
M1_1	0	244.9	121.5	45	36
AR_THRU	0	25.2	12	20.9	66
AR_THRU_RIGHT	0	169.2	12	55.8	66
AR_RIGHT_ONLY	0	319.9	12	36.1	45

LETTER POSITIONS (X)

E	X	I	T	3	4	9	A	L	E	N	O	Y	H	T	H	L	I	N	E	LENGTH	SERIESIZE
																				372.5	385.4
76.8	85.6	96.4	100.2	122.6	136.7	154.2	173.9													112.3	EM 2000
18.7	29.3	42.2	53																	43.2	EM 2000
255	264.3	281.1	291.5	304.2	316.2	330.2	343.3	356.1	366.9	372.5	385.4									139.1	EM 2000
125.8	140.2	153.2	165.1	176.1																60.1	EM 2000
305	320.3	333.3	344.3	355.3																60.1	EM 2000
307.4	317.9	330.9	341.7																	43.2	EM 2000
55.8	64.5	80	97	105.1	122.1	137.6														92.3	EM 2000
47.4	66.2	81.8	105.8	121.3	138.2	146.1														109.3	EM 2000
243.3	264.1	271.9	286	300.1	315.9	331.1	346.6	356.2												123.5	EM 2000
273.1	281.8	292	295.7																	30	D 2000
339	350.1	361.2	369.3																	40.7	D 2000

SIGN DETAIL
1:100



Panel Style: guide_exp_toll_green.ssi
Dimensions are in inches.tenths

Letter locations are paneledge to lower left corner

SIGN NUMBER	G-SB-ID-06
WIDTH x HGHT.	13'-0" x 15'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING COLOR: White/Black/White

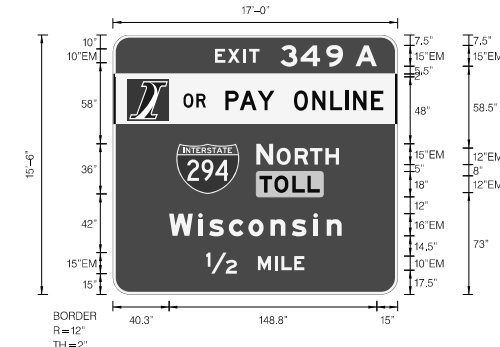
SYMBOL	ROT	X	Y	WID	HT
M1_1	0	17.5	72.9	45	36

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

Letter	X	Y	WID	HT	
L	16.8	28	40.1	50.6	EM 2000
E	23.1	32.2	43.4	47.5	EM 2000
X	69.9	84.4	102.7	122.3	10,15
I	73	87.5	100.4	112.3	EM 2000
T	76.1	86.6	99.6	110.4	15,12
S	76.1	86.6	99.6	110.4	EM 2000
O	76.1	86.6	99.6	110.4	12
U	76.1	86.6	99.6	110.4	EM 2000
T	76.1	86.6	99.6	110.4	12
H	76.1	86.6	99.6	110.4	EM 2000
I	31.9	40.5	56	73	EM 2000
n	81.1	98.1	113.6		1612
d	81.1	98.1	113.6		EM 2000
i	81.1	98.1	113.6		15,10
a	81.1	98.1	113.6		
n	81.1	98.1	113.6		
a	81.1	98.1	113.6		

SIGN DETAIL
1:100



Panel Style: guide_exp_overhead.ssi
Dimensions are in inches.tenths

Letter locations are paneledge to lower left corner

SIGN NUMBER	G-SB-ID-07
WIDTH x HGHT.	17'-0" x 15'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING COLOR: White/Black/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	45.4	72	45	36

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

Letter	X	Y	WID	HT	
E	73.1	82.2	93.4	97.6	EM 2000
X	120	134.5	152.7	173.9	115.9
I	102.7	117.2	130.2	141.2	EM 2000
T	102.7	117.2	130.2	141.2	15,12
H	102.7	117.2	130.2	141.2	EM 2000
T	105.1	115.6	128.6	139.4	EM 2000
O	105.1	115.6	128.6	139.4	12
L	105.1	115.6	128.6	139.4	EM 2000
L	105.1	115.6	128.6	139.4	12
W	40.3	61.1	68.9	83	EM 2000
i	112.9	128.1	143.6	153.2	123.5
s	112.9	128.1	143.6	153.2	1612
c	112.9	128.1	143.6	153.2	EM 2000
o	112.9	128.1	143.6	153.2	EM 2000
n	112.9	128.1	143.6	153.2	EM 2000
s	112.9	128.1	143.6	153.2	EM 2000
i	112.9	128.1	143.6	153.2	EM 2000
n	112.9	128.1	143.6	153.2	EM 2000
W	40.3	61.1	68.9	83	EM 2000
i	112.9	128.1	143.6	153.2	EM 2000
s	112.9	128.1	143.6	153.2	EM 2000
c	112.9	128.1	143.6	153.2	EM 2000
o	112.9	128.1	143.6	153.2	EM 2000
n	112.9	128.1	143.6	153.2	EM 2000
s	112.9	128.1	143.6	153.2	EM 2000
i	112.9	128.1	143.6	153.2	EM 2000
n	112.9	128.1	143.6	153.2	EM 2000

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DATE 4-3-2020
SCALE NONE

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
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CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGNING DETAILS

SHEET SIGN-06
189 OF 606

SIGN DETAIL
1:100



SIGN NUMBER	G-SB-ID-08
WIDTH x HGHT.	17'-0" x 13'-6"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING COLOR: Black/White/White

SYMBOL	ROT	X	Y	WID	HT
M1_1	0	35.2	110	45	36
Down Arrow	0	14	12	32	22
Down Arrow	0	158	12	32	22

Panel Style: guide_exp_advance_a.ssi
Dimensions are in inches, tenths

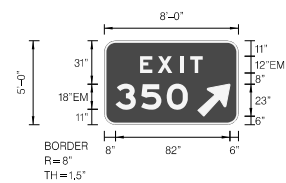
Letter locations are paneledge to lower left corner

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

T	O	L	L											EM 2000		
105.1	115.6	128.6	139.4											43.2	12	
W	i	s	c	o	n	s	i	n							EM 2000	
40.3	61.1	68.9	83	97.1	112.9	128.1	143.6	153.2							123.5	16/12
I	n	d	i	a	n	a							EM 2000			
55.9	64.5	80	97	105.1	122.1	137.6							92.3	16/12		

SIGN DETAIL
1:100



SIGN NUMBER	G-SB-ID-09
WIDTH x HGHT.	8'-0" x 5'-0"
BORDER WIDTH	1.5"
CORNER RADIUS	6"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ SHEETING COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
AR_Type A (13.3)	315	67	6	18.2	29.2

Panel Style: guide_fw_gore.ssi
Dimensions are in inches, tenths

Letter locations are paneledge to lower left corner

LETTER POSITIONS (X)

LENGTH SERIES/SIZE

E	X	I	T											EM 2000		
25.6	38.2	54.3	61.6											44.9	12	
3	5	0											EM 2000			
8	26.4	44.7											51.8	18		

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DRAWN BY KRP	DATE 4-3-2020
CHECKED BY MPQ	SCALE NONE

TYLIN INTERNATIONAL

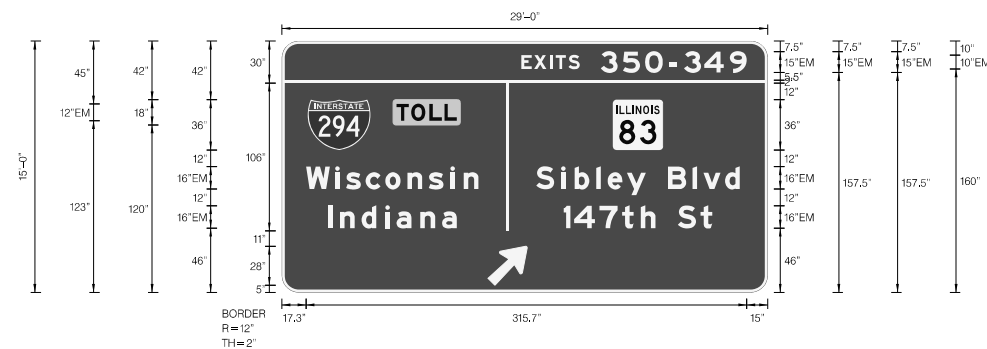
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGNING DETAILS

SHEET SIGN-07
190 OF 606

SIGN DETAIL
1:100



SIGN NUMBER	G-SB-ID-10
WIDTH x HGHT.	29'-0" x 15'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING COLOR: Green
LEGENDBORDER	TYPE: ZZ SHEETING COLOR: WhiteBlackWhite

SYMBOL	ROT	X	Y	WD	HT
M1_1	0	18.5	102	45	36
M1-I100A-2-36-2010		237.1	102	36	36
AR_Type A (16)	315	147.7	5	22.2	35.6

Panel Style: guide_fw_OH_APL.ssi
Dimensions are in inches, tenths

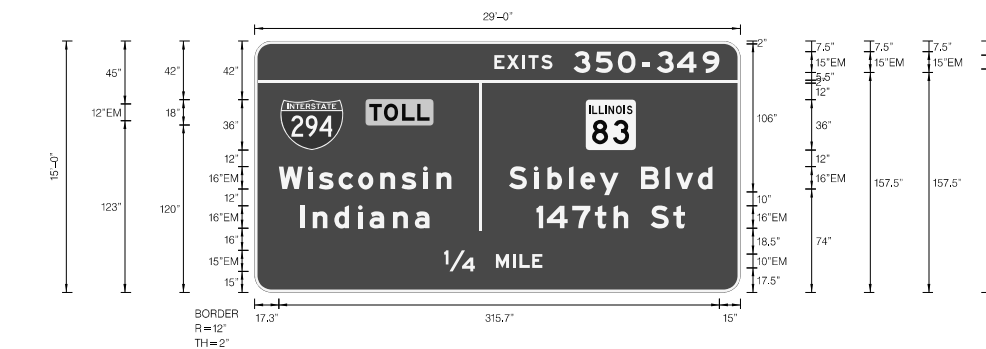
Letter locations are paneledge to lower left corner

LETTER POSITIONS (X)

LENGTH SERIESIZE

Letter	X	Y	Length	Series	Size
E	171.6	180.7	161.4	EM	2000
X	180.7	191.9	10,15		
I	191.9	196.1			
T	196.1	205.3			
S	205.3	228.4			
3	228.4	244.3			
5	244.3	260.2			
0	260.2	277.8			
-	277.8	288.1			
3	288.1	302.6			
4	302.6	320.9			
9	320.9				
T	82.1	92.7	43.2	EM	2000
O	92.7	105.6	12		
L	105.6	116.4			
W	17.3	38.1	123.5	EM	2000
i	38.1	46	1612		
s	46	60			
c	60	74.1			
o	74.1	90			
n	90	105.2			
s	105.2	120.7			
i	120.7	130.3			
n	130.3				
S	182.1	200.1	145.9	EM	2000
i	200.1	209.6	1612		
b	209.6	225.2			
l	225.2	233.3			
e	233.3	247.1			
y	247.1	260.7			
B	260.7	276.7			
l	276.7	294.1			
v	294.1	302			
d	302	317.5			
I	32.9	41.6	92.3	EM	2000
n	41.6	57.1	1612		
d	57.1	74			
i	74	82.2			
a	82.2	99.2			
n	99.2	114.7			
a	114.7				
1	201.9	209.4	106.4	EM	2000
4	209.4	227.5	1612		
7	227.5	243.7			
t	243.7	257.1			
h	257.1	267.7			
S	267.7	283.7			
t	283.7	300			

SIGN DETAIL
1:100



SIGN NUMBER	G-SB-ID-11
WIDTH x HGHT.	29'-0" x 15'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING COLOR: Green
LEGENDBORDER	TYPE: ZZ SHEETING COLOR: WhiteBlackWhite

SYMBOL	ROT	X	Y	WD	HT
M1_1	0	18.4	102	45	36
M1-I100A-2-36-2010		237.1	102	36	36

Panel Style: guide_fw_OH_APL.ssi
Dimensions are in inches, tenths

Letter locations are paneledge to lower left corner

LETTER POSITIONS (X)

LENGTH SERIESIZE

Letter	X	Y	Length	Series	Size
E	171.6	180.7	161.4	EM	2000
X	180.7	191.9	10,15		
I	191.9	196.1			
T	196.1	205.3			
S	205.3	228.4			
3	228.4	244.3			
5	244.3	260.2			
0	260.2	277.8			
-	277.8	288.1			
3	288.1	302.6			
4	302.6	320.8			
9	320.8				
T	82.1	92.7	43.2	EM	2000
O	92.7	105.6	12		
L	105.6	116.4			
W	17.3	38.1	123.5	EM	2000
i	38.1	46	1612		
s	46	60			
c	60	74.1			
o	74.1	90			
n	90	105.2			
s	105.2	120.7			
i	120.7	130.3			
n	130.3				
S	182.1	200	145.9	EM	2000
i	200	209.6	1612		
b	209.6	225.2			
l	225.2	233.3			
e	233.3	247.1			
y	247.1	260.7			
B	260.7	276.7			
l	276.7	294.1			
v	294.1	302			
d	302	317.5			
I	32.9	41.6	92.3	EM	2000
n	41.6	57.1	1612		
d	57.1	74			
i	74	82.2			
a	82.2	99.2			
n	99.2	114.7			
a	114.7				
1	201.9	209.4	106.4	EM	2000
4	209.4	227.5	1612		
7	227.5	243.6			
t	243.6	257.1			
h	257.1	267.6			
S	267.6	283.6			
t	283.6	300			
14	135.9	172.8	70.3	EM	2000
M	172.8	184.9	15,10		
I	184.9	189.7			
L	189.7	198.7			
E	198.7				

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CHECKED BY MPQ

DATE 4-3-2020
SCALE NONE



REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGNING DETAILS

SHEET SIGN-08
191 OF 606

SIGN DETAIL

1:100



SIGN NUMBER	G-SB-ID-15
WIDTH x HGHT.	17'-0" x 11'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Ground
BACKGROUND	TYPE: ZZ SHEETING COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING COLOR: White/White

SYMBOL	ROT	X	Y	WD	HT

Panel Style: guide_exp_advance_a.ssi
Dimensions are in inches.tenths

Letter locations are paneledge to lower left corner

LETTER POSITIONS (X)															LENGTH	SERIES/SIZE
E	X	I	T	3	5	3									EM	2000
99	108.1	119.3	123.5	145.9	161.8	176.9									90	10,15
1	2	7	t	h	S	t									EM	2000
49.4	58.2	73.8	90	103.4	114	130	146.3								105.3	1612
B	u	r	r	O	a	k	A	v	e						EM	2000
14.6	32	49	60.8	68.8	84.8	101.6	118.6	129.1	145.1	163.4	178.9				174.9	1612
34	M	I	L	E											EM	2000
66.9	103.8	115.9	120.7	129.7											70.3	15,10

SIGN DETAIL

1:100



SIGN NUMBER	G-SB-ID-14
WIDTH x HGHT.	29'-0" x 15'-0"
BORDER WIDTH	2"
CORNER RADIUS	12"
MOUNTING	Overhead
BACKGROUND	TYPE: ZZ SHEETING COLOR: Green
LEGEND/BORDER	TYPE: ZZ SHEETING COLOR: White/Black/White

SYMBOL	ROT	X	Y	WD	HT
MI_1	0	18.4	102	45	36
MI-I100A-2-36-20D	237.1	102	36	36	36

Panel Style: guide_fw_OH_APL.ssi
Dimensions are in inches.tenths

Letter locations are paneledge to lower left corner

LETTER POSITIONS (X)															LENGTH	SERIES/SIZE
E	X	I	T	S	3	5	0	-	3	4	9				EM	2000
171.6	180.7	191.9	196.1	205.3	228.4	244.3	260.2	277.8	288.1	302.6	320.8				161.4	10,15
T	O	L	L												EM	2000
82.1	92.7	105.6	116.4												43.2	12
W	i	s	c	o	n	s	i	n							EM	2000
17.3	38.1	46	60	74.1	90	105.2	120.7	130.3							123.5	1612
S	i	b	l	e	y	B	l	v	d						EM	2000
182.1	200	209.6	225.2	233.3	247.1	260.7	276.7	294.1	302	317.5					145.9	1612
I	n	d	i	a	n	a									EM	2000
32.9	41.6	57.1	74	82.2	99.2	114.7									92.3	1612
1	4	7	t	h	S	t									EM	2000
201.9	209.4	227.5	243.7	257.1	267.7	283.7	300								106.4	1612
3	12	M	I	L	E	S									EM	2000
145.1	164.7	201.7	213.8	218.6	227.6	236.8									99.8	15,10

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CHECKED BY *MPG* SCALE *NONE*

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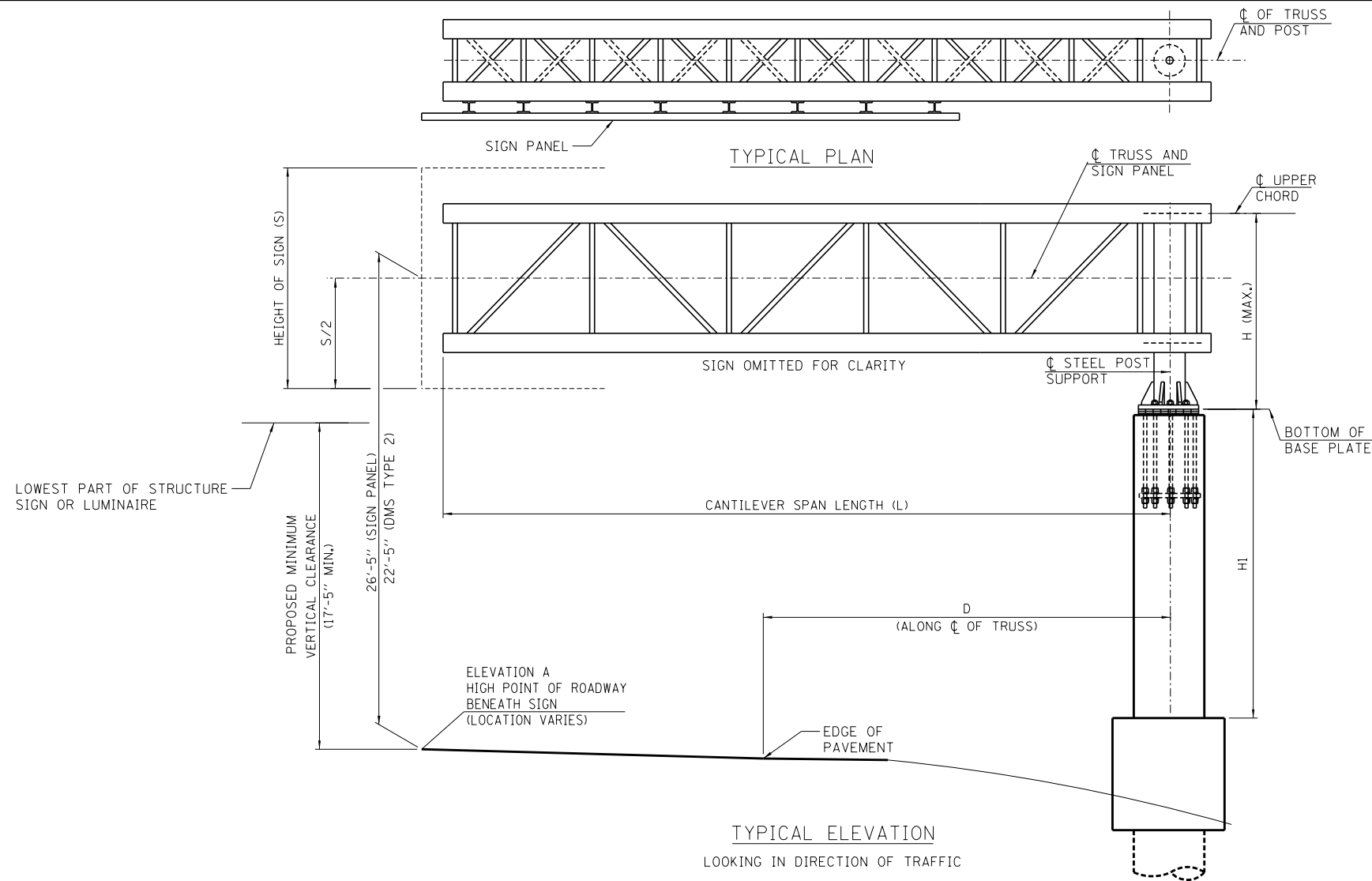


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGNING DETAILS

SHEET *193* OF *606*
SIGN-10



SUMMARY

STRUCTURE NUMBER	STATION	DESIGN TRUSS TYPE	L	ELEV. A	PROPOSED MINIMUM VERTICAL CLEARANCE	D	H	HI	HEIGHT OF TALLEST SIGN	TOTAL SIGN AREA (SQ FT)	FOUNDATION FOR OVERHEAD SIGN STRUCTURE		REINFORCEMENT BARS, EPOXY COATED (POUND)	PROTECTIVE COAT (SQ. YD.)
											CLASS SI CONCRETE (CU YD)	CLASS DS CONCRETE (CU YD)		
TS7.2C,SB	382+50	35-D	35'-0"	616.00	19'-8"	21'-0"	12'-0"	20'-0"	13'-6"	206	9.2	53.3	13,130	61.3
TOTAL														

TOTAL BILL OF MATERIAL

PAY ITEM	DESCRIPTION	UNIT	TOTAL
JS733B35	OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE (STEEL) (35 FT)	FOOT	35
	OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE (STEEL)	FOOT	
	OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE (STEEL)	FOOT	
JS734B10	FOUNDATION FOR OVERHEAD SIGN STRUCTURE, CANTILEVER TYPE	CU YD	62.5
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	13,130
50300300	PROTECTIVE COAT	SQ YD	62
	SIGN STRUCTURE WALKWAY	FOOT	

NOTE:
 WORK THIS SHEET WITH STANDARD F4

M-OHS-721

OVERHEAD SIGN STRUCTURE
 CANTILEVER TYPE
 SUMMARY AND TOTAL BILL
 OF MATERIAL
 DATE
 3-31-2017

DRAWN BY **MPG**
 CHECKED BY **JPM**
 DATE **4-3-2020**
 SCALE **NONE**

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2
SIGN STANDARD DETAILS

SHEET **194** OF **606**

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminares and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:
Field Units
f_c = 3,500 p.s.i.
f_y = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specifications.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.

The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

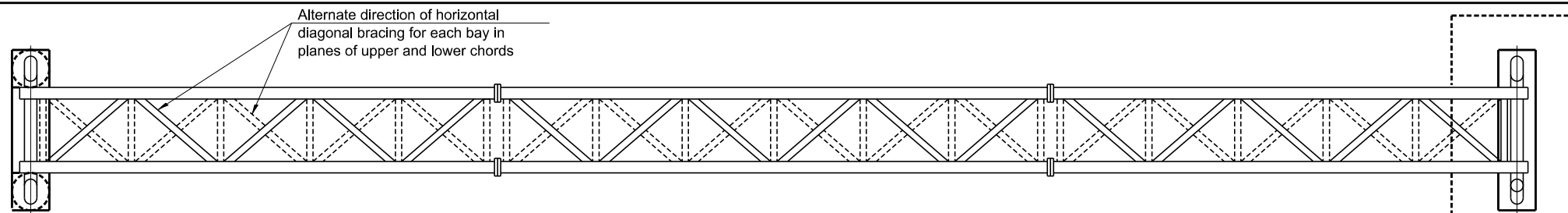
CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

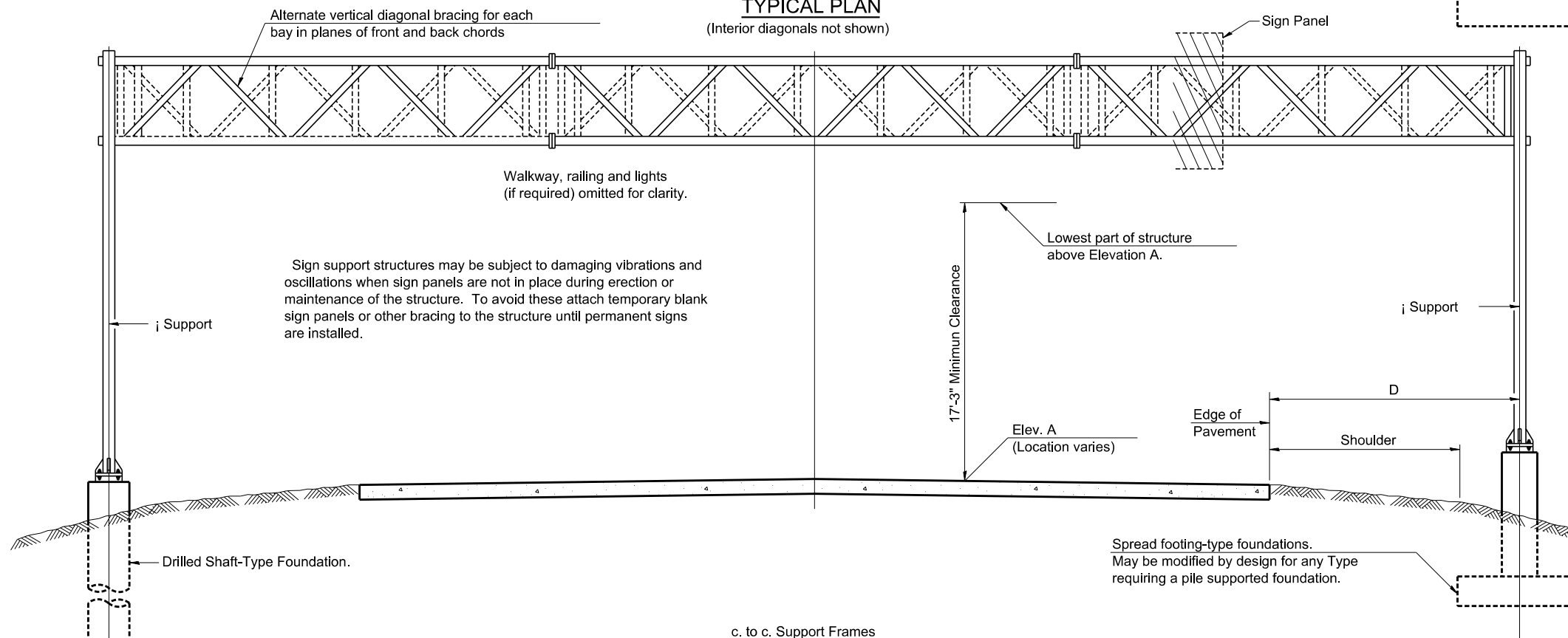
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	60.0
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	68.0
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	--
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	--
CONCRETE FOUNDATIONS	Cu. Yds.	--
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	25.8



TYPICAL PLAN

(Interior diagonals not shown)



TYPICAL ELEVATION

(Looking at Face of Signs**)

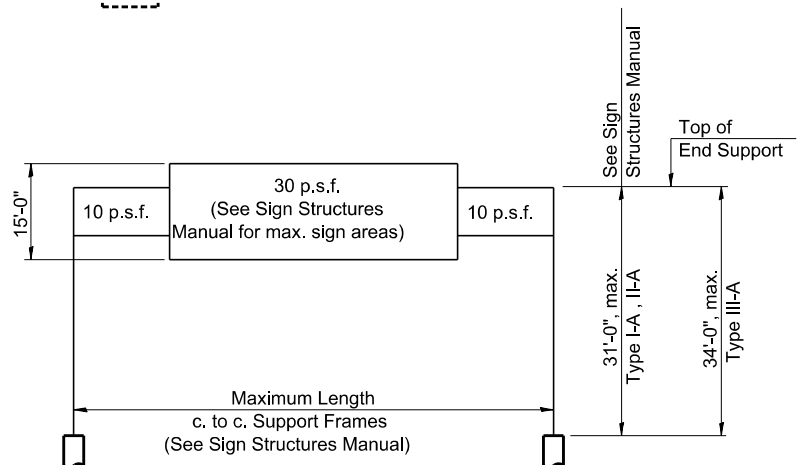
Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area
IS0161057L349.5	3260+95.2***	I-A	59'-8"	641.03	12'-0"	13'-0"	360 SF
IS0161057L351.8	1371+50	II-A	68'-0"	631.50	19'-9"	15'-0"	635 SF

*** RAMP C ALIGNMENT

**Looking upstation for structures with signs both sides.

* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.



DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards and Sign Manual Tables. Installations not within dimensional limits shown require special analysis for all components.

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OS-A-1 2-17-2017

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DATE *4-3-2020*
SCALE *NONE*

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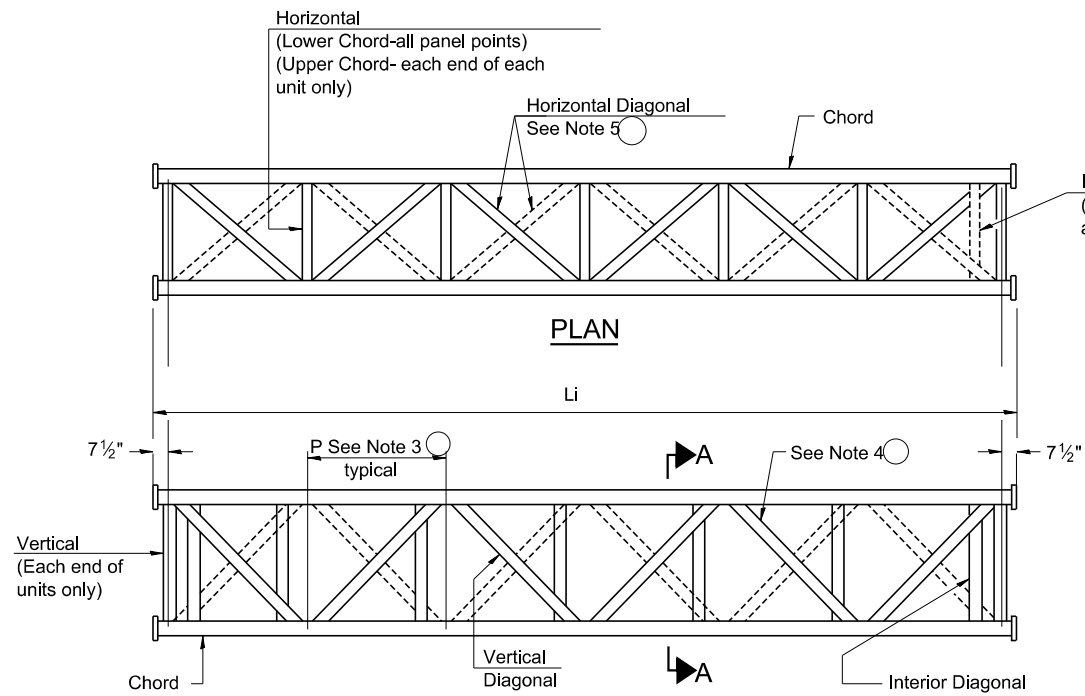


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2700 OGDEN AVENUE
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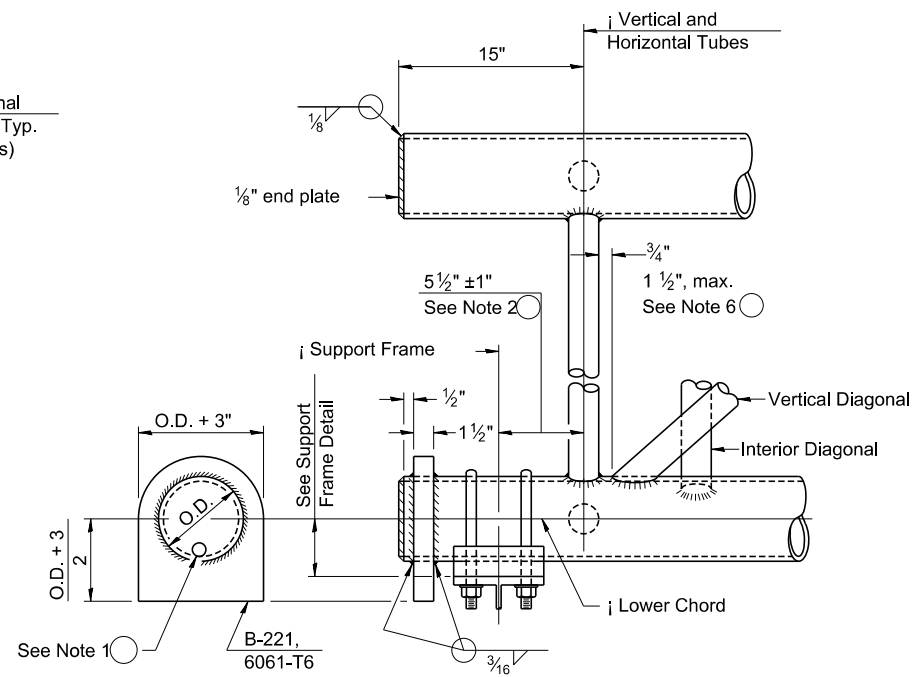
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGN STANDARD DETAILS

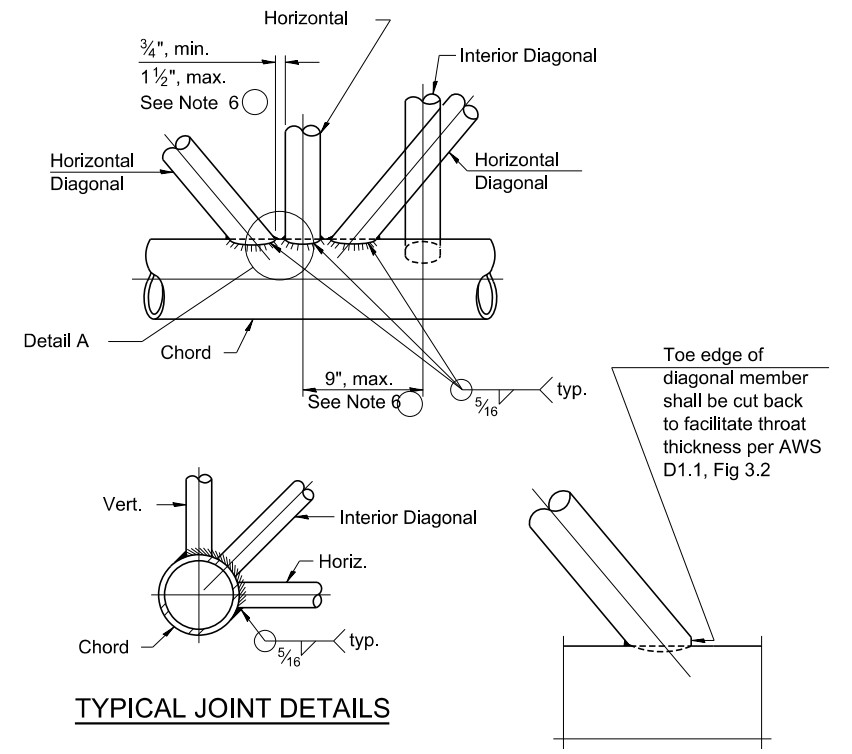
SHEET SIGN-STD-DET-02
195 OF 606



ELEVATION
TYPICAL INTERIOR UNIT
Even number of panels/interior unit required.

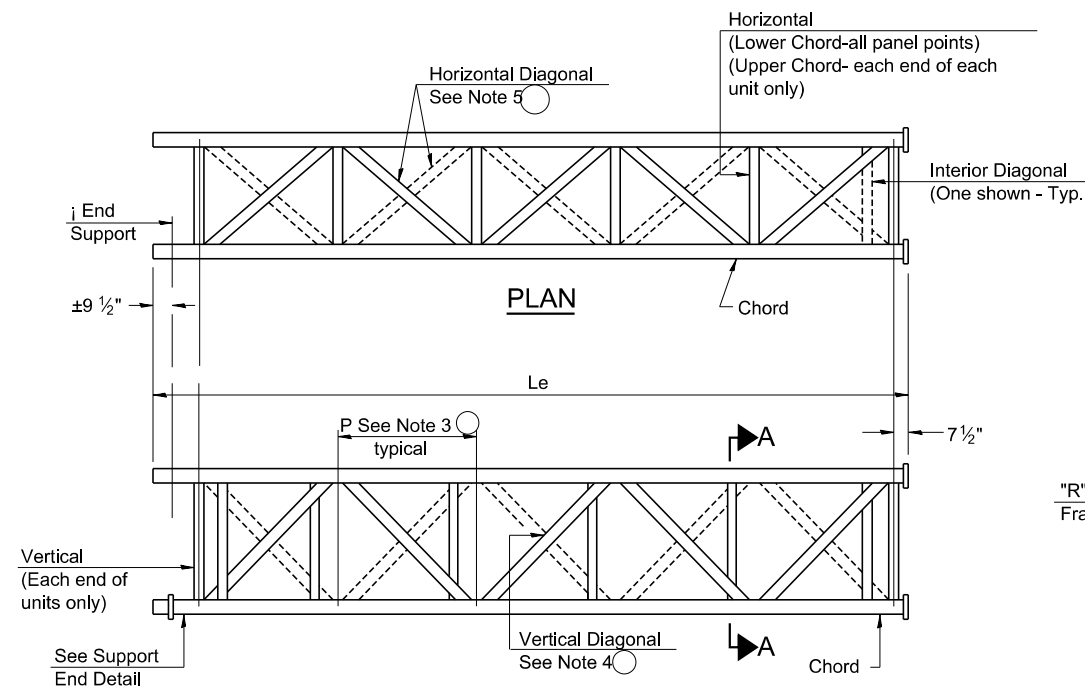


SUPPORT END DETAIL FOR EXTERIOR UNIT

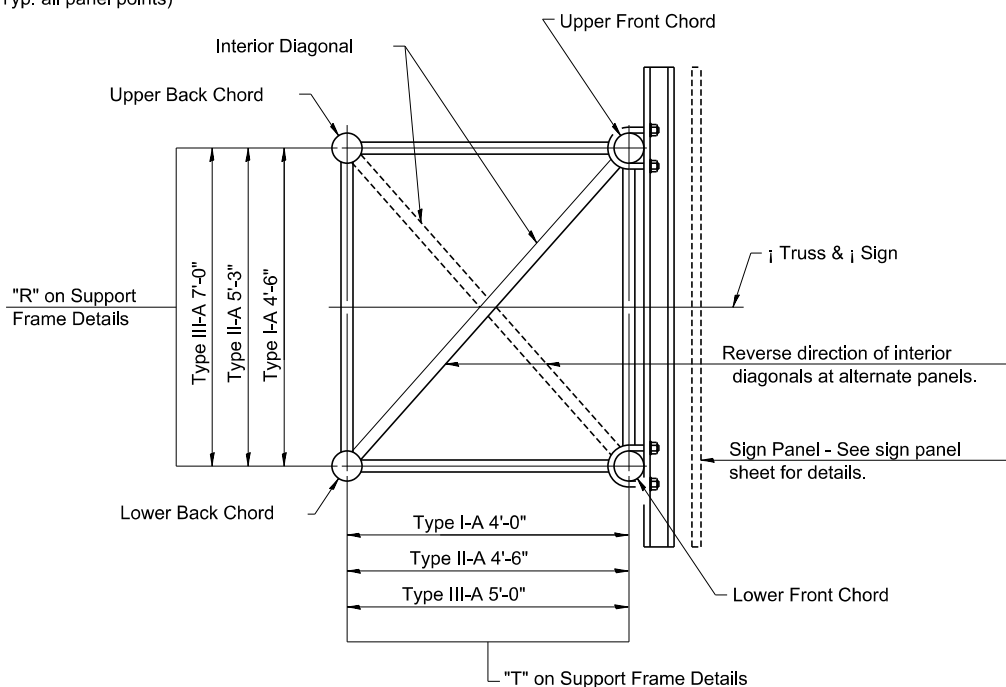


TYPICAL JOINT DETAILS

DETAIL A



ELEVATION
TYPICAL EXTERIOR UNIT
Even or odd number of panels/exterior units allowed.



SECTION A-A

- ① Contractor may alternatively use standard aluminum drive-fit cap to close end. 1/2" Ø drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)
- ② 5 1/2" end dimension may vary by ±1" to provide uniform panel spacing (P).
- ③ Panel spacing (P) shall be uniform for entire truss and between 4'-0" and 5'-0" for Type I-A or 4'-0" and 5'-6" for Types II-A and III-A.
- ④ Vertical Diagonals in front and back face shall alternate.
- ⑤ Hidden lines show wind bracing alternates direction between planes of top and bottom chords.
- ⑥ All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a 3/4" minimum to 1 1/2" maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U-bolt connections of signs or walkway brackets.

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OS-A-2 2-17-2017

DRAWN BY **MPG**
CHECKED BY **JPM**

DATE **4-3-2020**
SCALE **NONE**

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

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NO.	DATE	DESCRIPTION

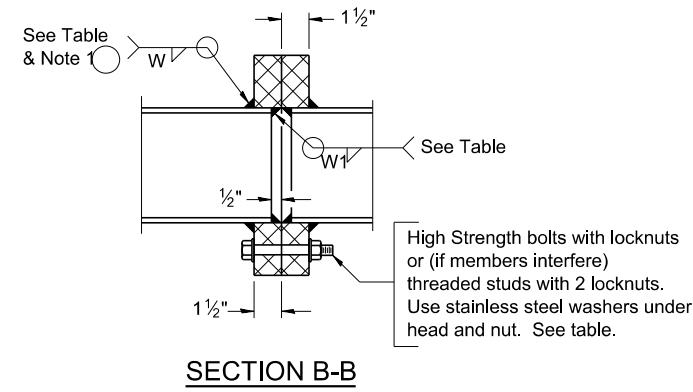
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGN STANDARD DETAILS

SHEET SIGN-STD-DET-03
196 OF 606

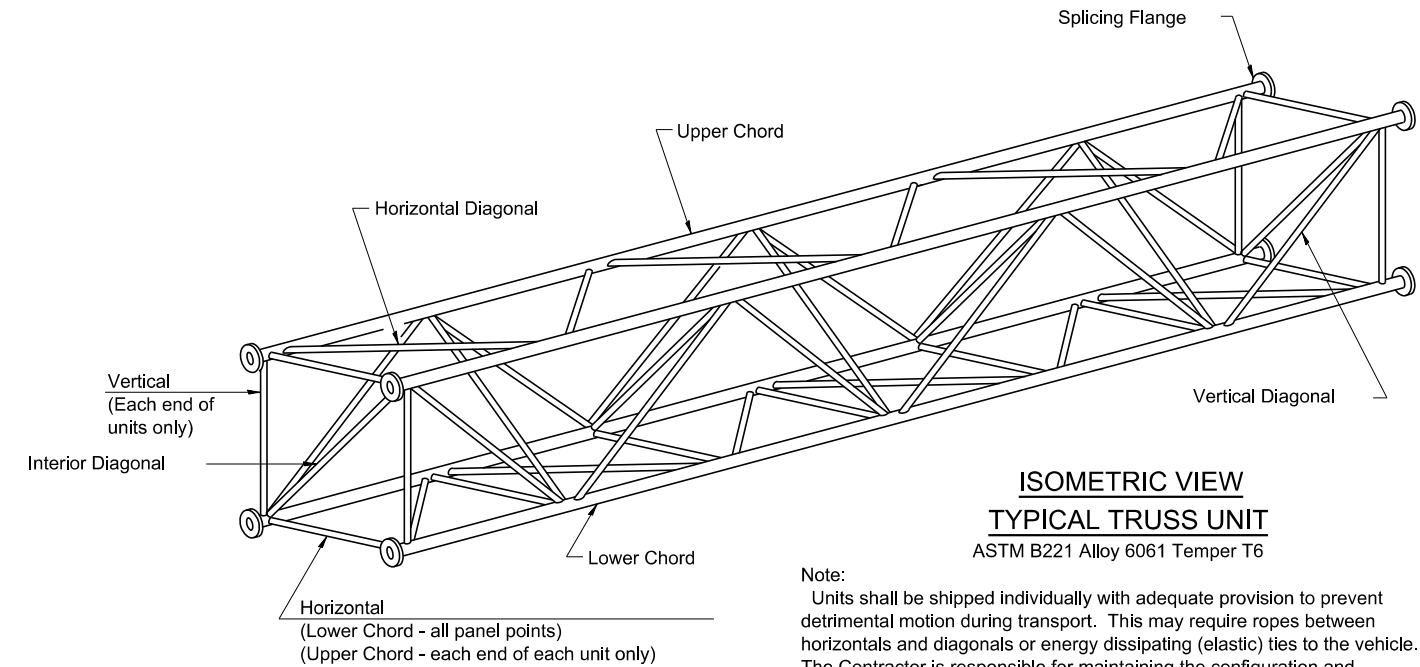
TRUSS UNIT TABLE

Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange							
			No. Panels per Unit	Unit Lgth.(L _u)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L _i)	Panel Lgth.(P)	O.D.	Wall	O.D.	Wall		Bolts		Weld Sizes		A	B		
															No./Splice	Dia.	W	W ₁				
ISO161057L349.5	3260+95.2***	I-A	6	30'-10 1/2"	4'-10"	-	-	-	-	5"	1/4"	2 1/2"	1/4"	1 1/4"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"		
ISO161057L351.8	1371+50	II-A	7	34'-10"	4'-8 1/2"	-	-	-	-	5 1/2"	5/16"	3"	5/16"	7/8"	6	7/8"	3/8"	1/4"	9 1/4"	12 1/4"		

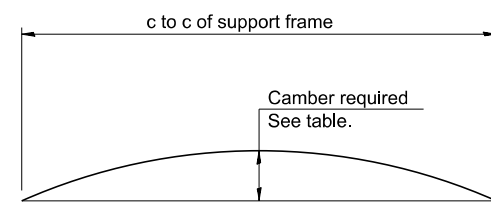
*** RAMP C ALIGNMENT



① Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.

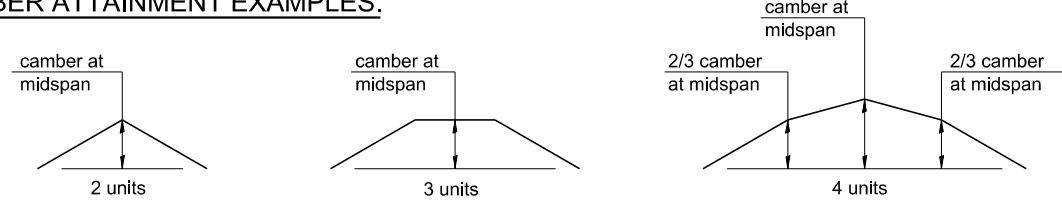


Note: Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection of the units.

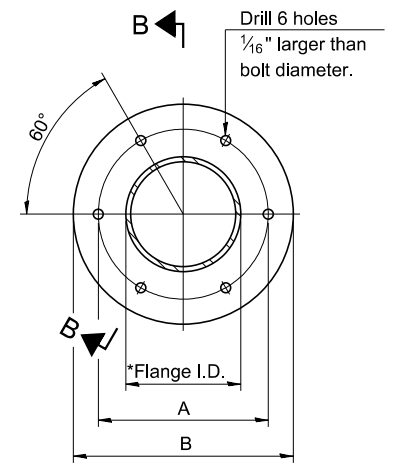


CAMBER DIAGRAM
Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

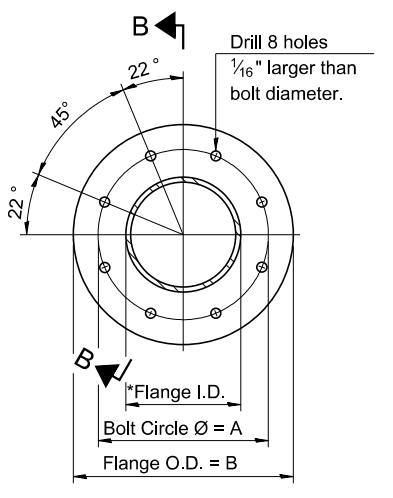
CAMBER ATTAINMENT EXAMPLES:



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)



TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A
SPLICING FLANGES
ASTM B221, Alloy 6061-T6
or ASTM B209, Alloy 6061-T651
*To fit O.D. of Chord with maximum gap of 1/16"

OS4-A-2 2-17-2017

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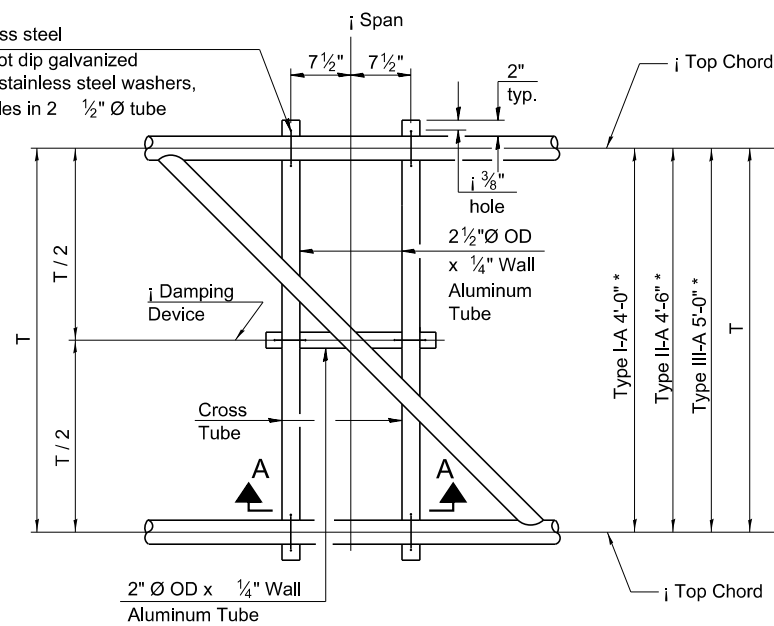
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGN STANDARD DETAILS

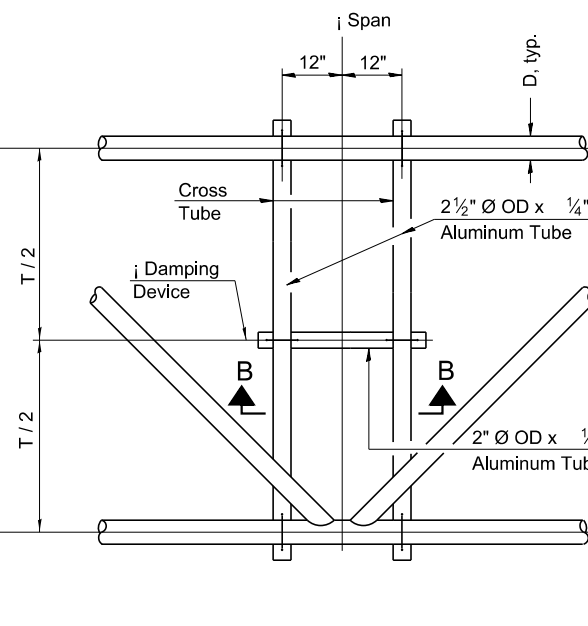
SHEET SIGN-STD-DET-04
197 OF **606**

P:\62540\157-294-5-19\Road\PS\NEW_Ramps_C&F2_01020205-5.gnStruct-SHT04.dgn 2/12/2020

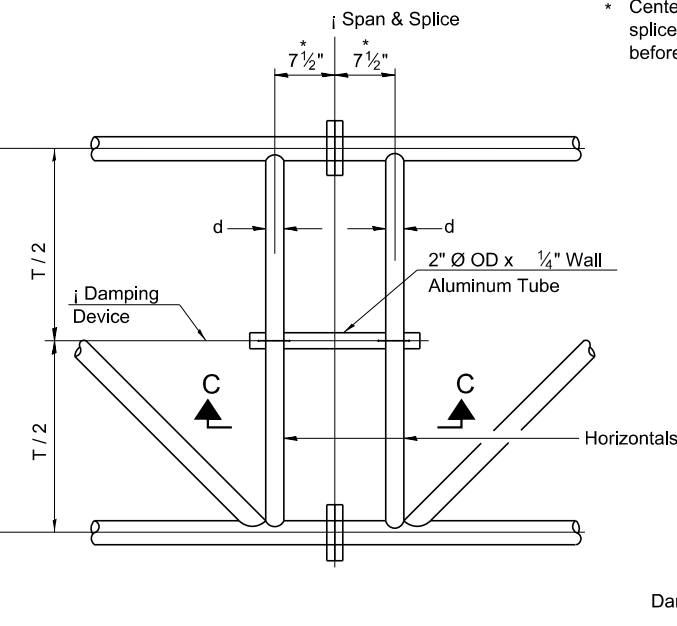
5/16" Ø stainless steel
U-bolt with hot dip galvanized
locknuts and stainless steel washers,
typ. 3/8" Ø holes in 2 1/2" Ø tube



PLAN DETAIL "A"
i Span between Panel Points



PLAN DETAIL "B"
i Span at Panel Point



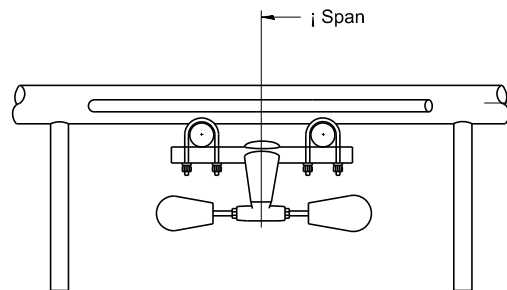
PLAN DETAIL "C"
i Span at i Chord Splice

* Center of horizontal to center of
splice dimension may vary. Verify
before drilling holes in mounting tube.

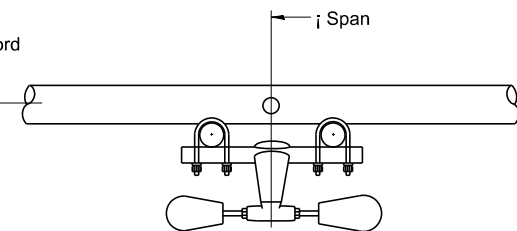
NOTES

Damper: One damper per truss. (31 lbs. minimum Stockbridge-Type Aluminum - 29" minimum between ends of weights) Cost included in Overhead Sign Structure...

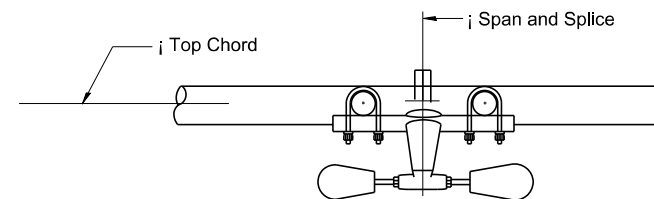
Materials: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



SECTION A-A

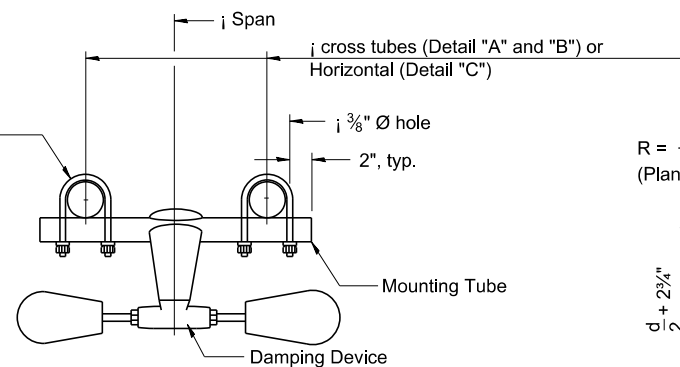


SECTION B-B

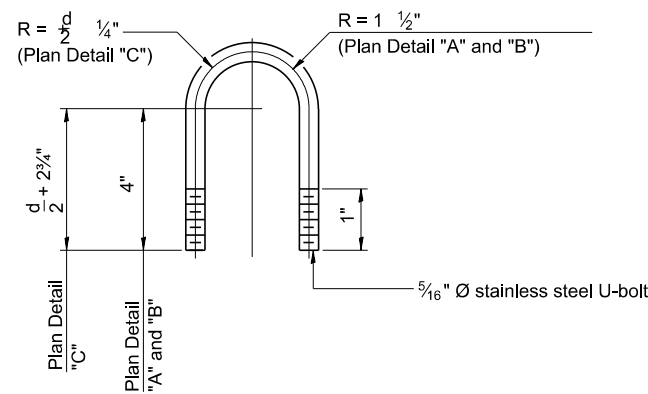


SECTION C-C

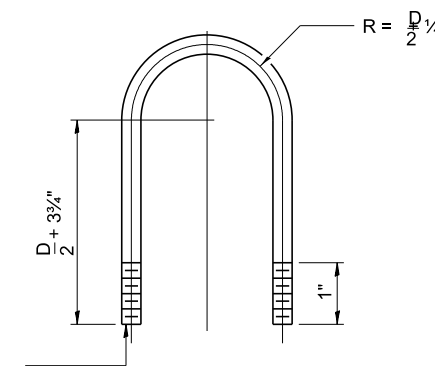
5/16" Ø stainless steel
U-bolt with hot dip galvanized
locknuts and stainless steel washers,
typ. 3/8" Ø holes in mounting tube



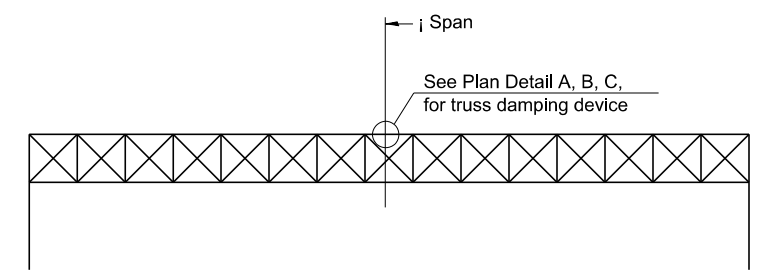
**TRUSS DAMPING
DEVICE CONNECTION DETAIL**
(Typical)



**DAMPING DEVICE MOUNTING
TUBE U-BOLT DETAIL**
(Typical)



**TOP CHORD TO CROSS TUBE
U-BOLT DETAIL**
(Typical - Detail "A" and "B")



ELEVATION
Aluminum Overhead
Sign Truss

OS-A-D 2-17-2017

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CHECKED BY JPM

DATE 4-3-2020
SCALE NONE

TYLIN INTERNATIONAL



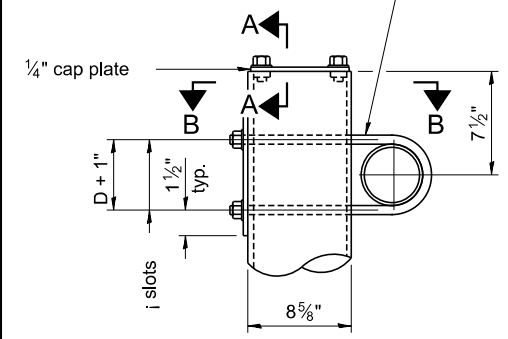
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

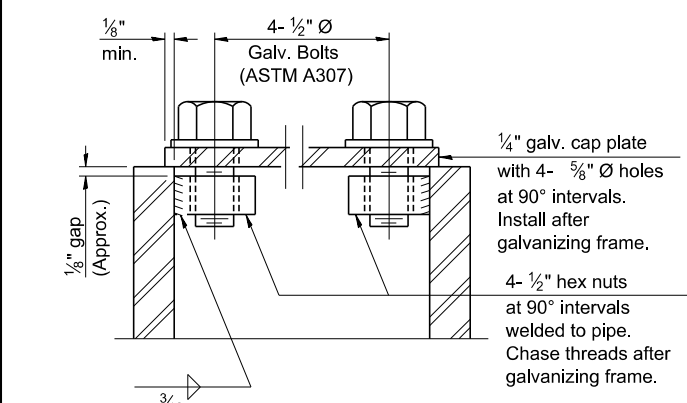
CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGN STANDARD DETAILS

SHEET SIGN-STD-DET-05
198 OF 606

3/4" Ø stainless steel U-bolt.
Provide two washers and two hexagon locknuts. 4
13/16" x 2" slots on 8" Ø pipe.
(4 slots required per pipe)

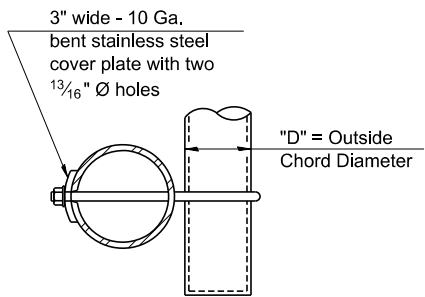


DETAIL A

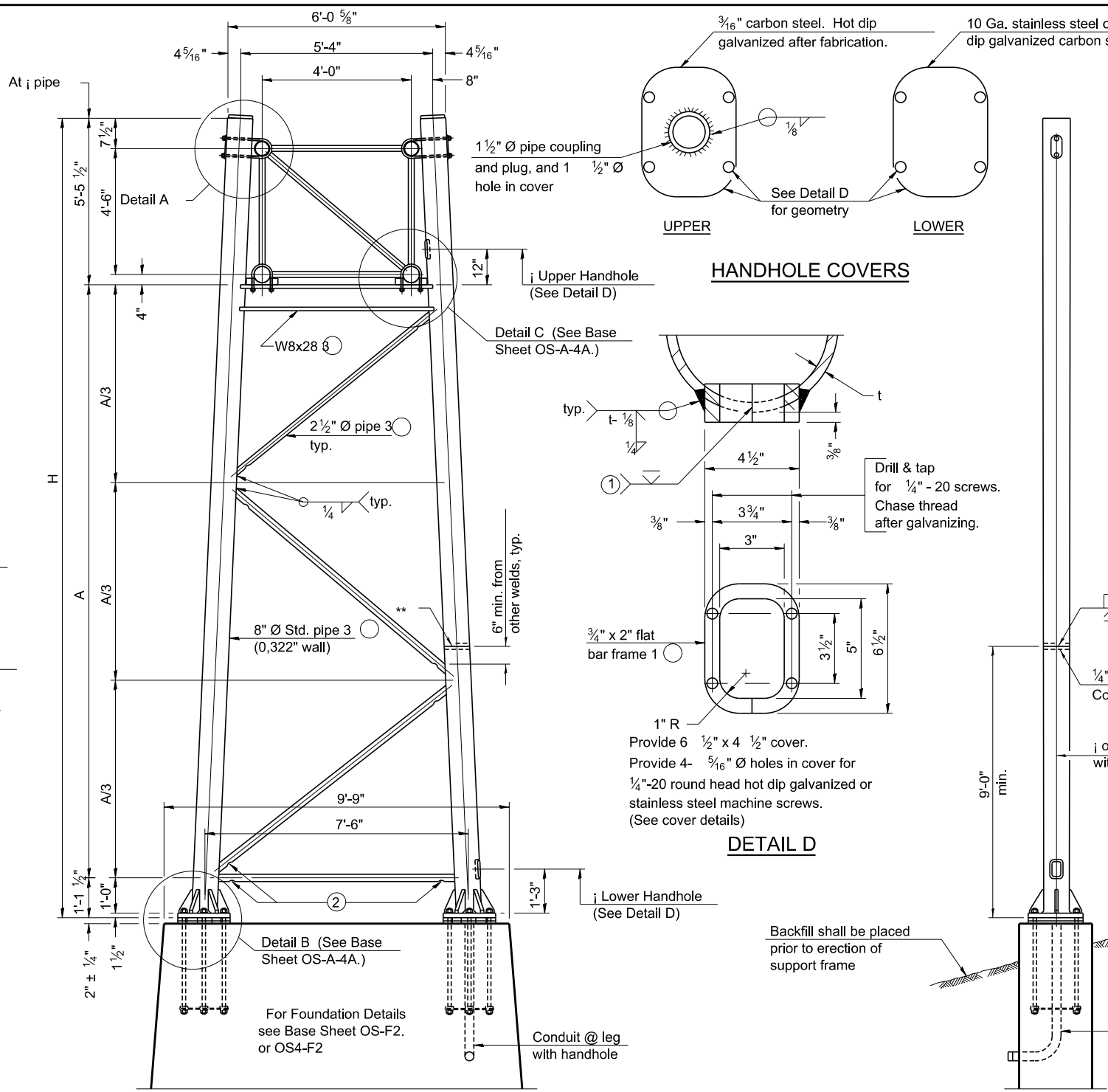


SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



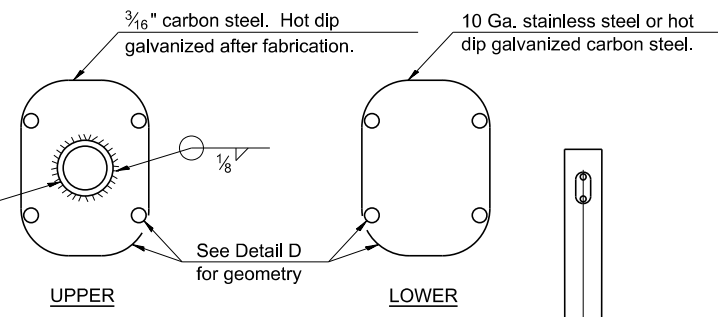
SECTION B-B



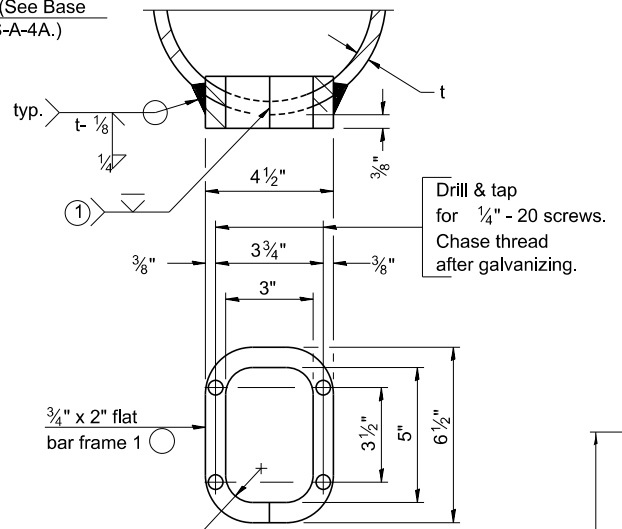
SIDE ELEVATION

8" Ø PIPE TRUSS SUPPORT FRAME

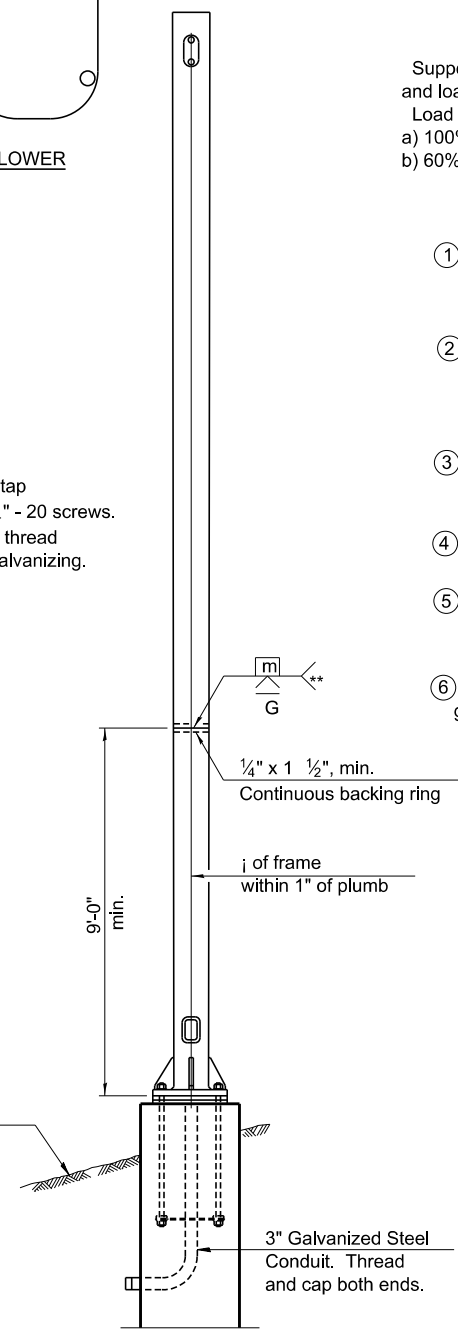
** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.



HANDHOLE COVERS



DETAIL D



END ELEVATION

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.
Load combinations checked include deadload plus:
a) 100% wind normal to sign, 20% parallel to sign
b) 60% wind normal to sign, 30% parallel to sign

- ① In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500µ in or less.
- ② Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- ③ Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- ④ See General Notes for fasteners.
- ⑤ Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- ⑥ "H" based on 15'-0" or actual sign height, whichever is greater.

Structure Number	Station	Support		H ⑥	A
		Left	Right		
ISO161057L349.5	3260+95.2***	X	X	27.78	21.19
				24.44	17.86

OS-A-4 2-17-2017

DRAWN BY MFG
CHECKED BY JPM
DATE 4-3-2020
SCALE NONE

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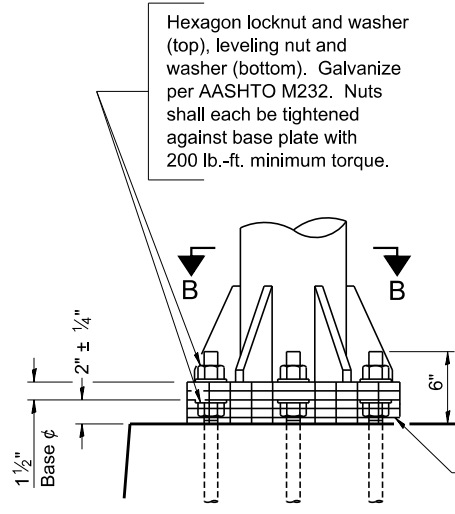
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGN STANDARD DETAILS

SHEET SIGN-STD-DET-06
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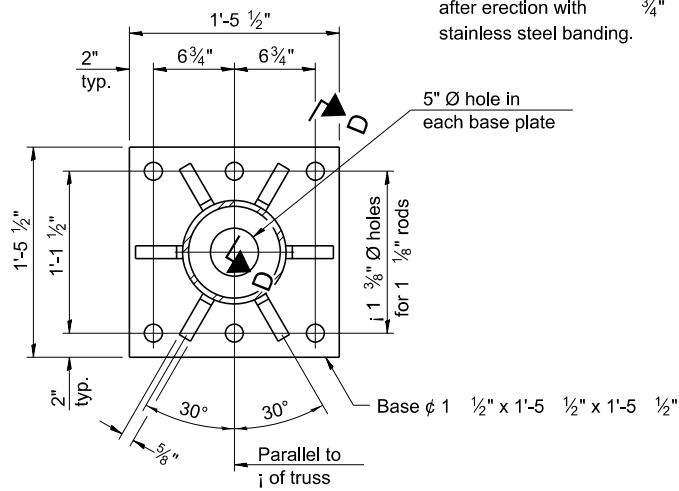
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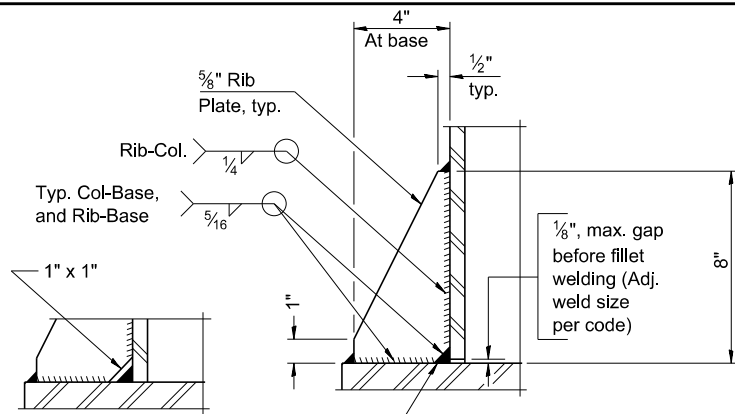
DETAIL B

Ribs shall be cut to fit slope of pipe.

Stainless Steel Standard Grade Wire Cloth, 3" wide, 1/4" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with 3/4" stainless steel banding.



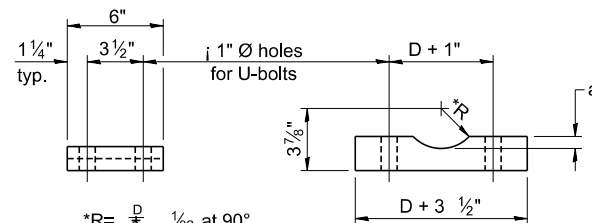
SECTION B-B



SECTION D-D

** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.

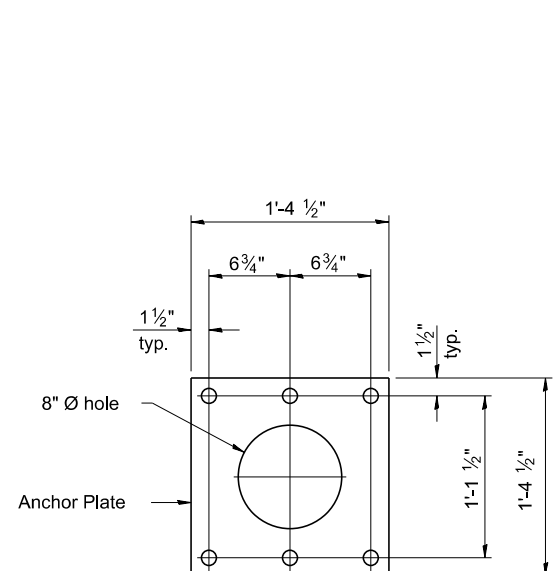
No snip req'd. at rib inside corner if placed before col. to base plate welding.



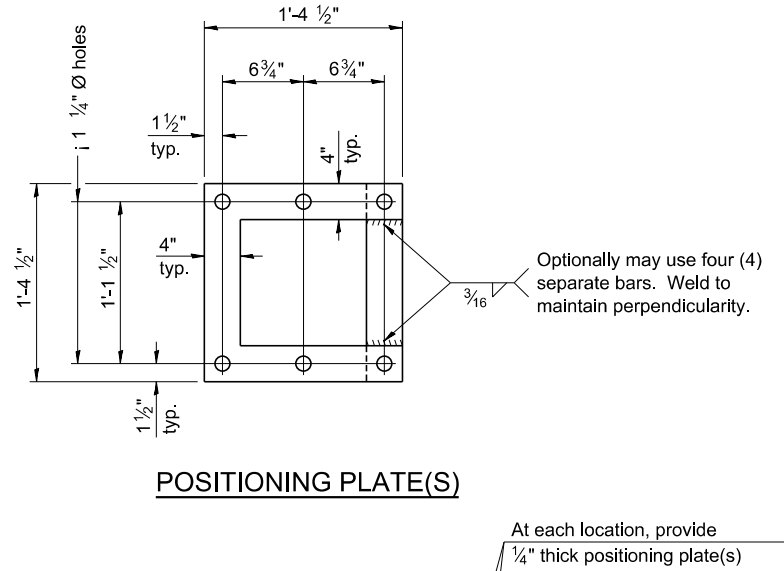
SADDLE SHIM DETAIL

ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

Truss Chord Nominal Dia.	a
5"	3/4"
5 1/2"	13/16"
6"	7/8"
6 1/2"	15/16"

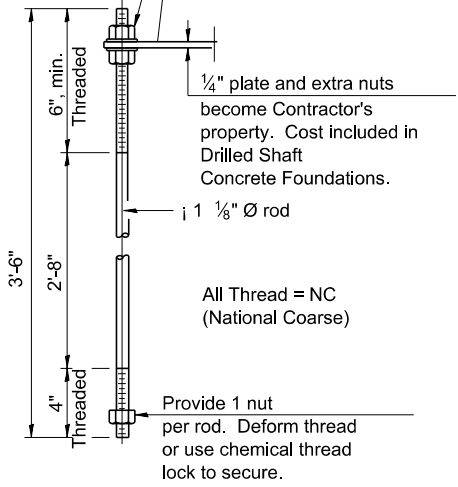


ANCHOR ROD DETAIL
Spread Footing Foundation



POSITIONING PLATE(S)

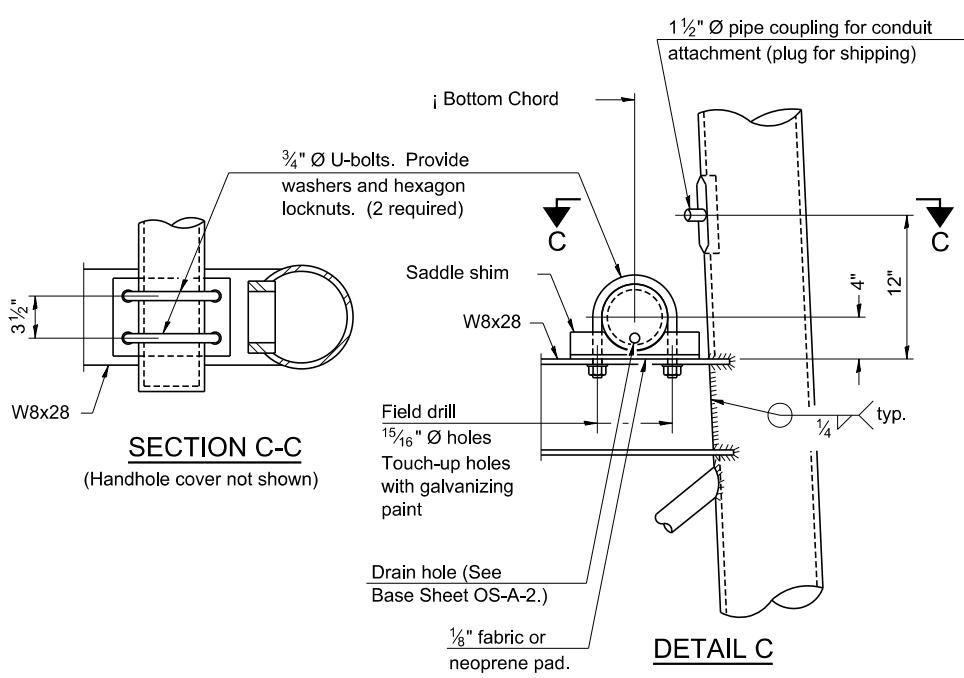
At each location, provide 1/4" thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.



ANCHOR ROD DETAIL
Drilled Shaft Foundation

All Thread = NC (National Coarse)

Provide 1 nut per rod. Deform thread or use chemical thread lock to secure.



SECTION C-C
(Handhole cover not shown)

DETAIL C

TYPE I-A TRUSS
8" Ø PIPE SUPPORT FRAME DETAILS

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.

OS-A-4A 2-17-2017

DRAWN BY MPG
CHECKED BY JPM
DATE 4-3-2020
SCALE NONE

TYLIN INTERNATIONAL



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DOWNERS GROVE, ILLINOIS 60515

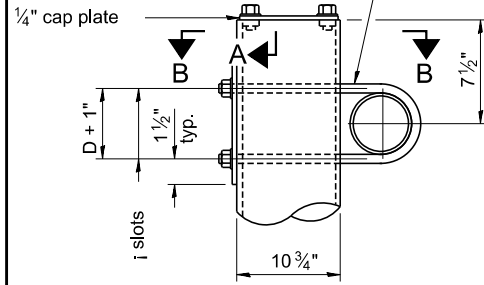
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGN STANDARD DETAILS

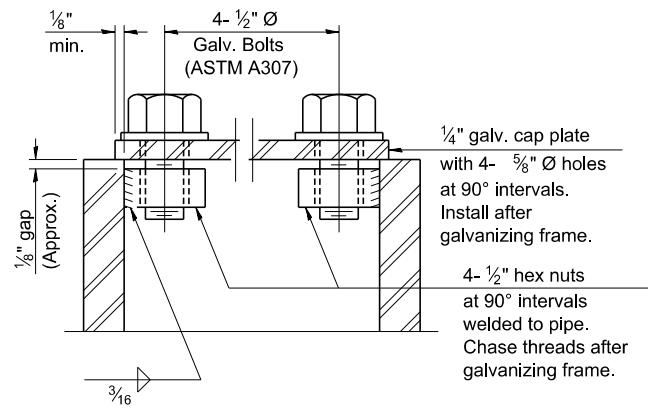
SHEET SIGN-STD-DET-07
200 OF 606

P:\6250\057-294-5-19\Rebar\PSNEW_Ramps_C&F2_01020095-5.gn5truct-SHT07.dgn 2/12/2020

3/4" Ø stainless steel U-bolt.
Provide two washers and two hexagon locknuts. 4
13/16" x 2" slots on 10" Ø pipe.
(4 slots required per pipe)

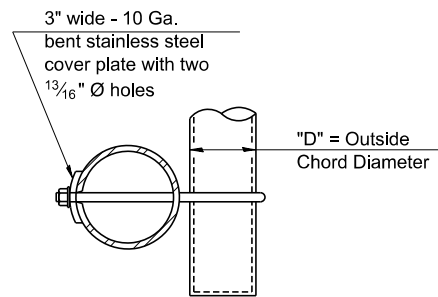


DETAIL A

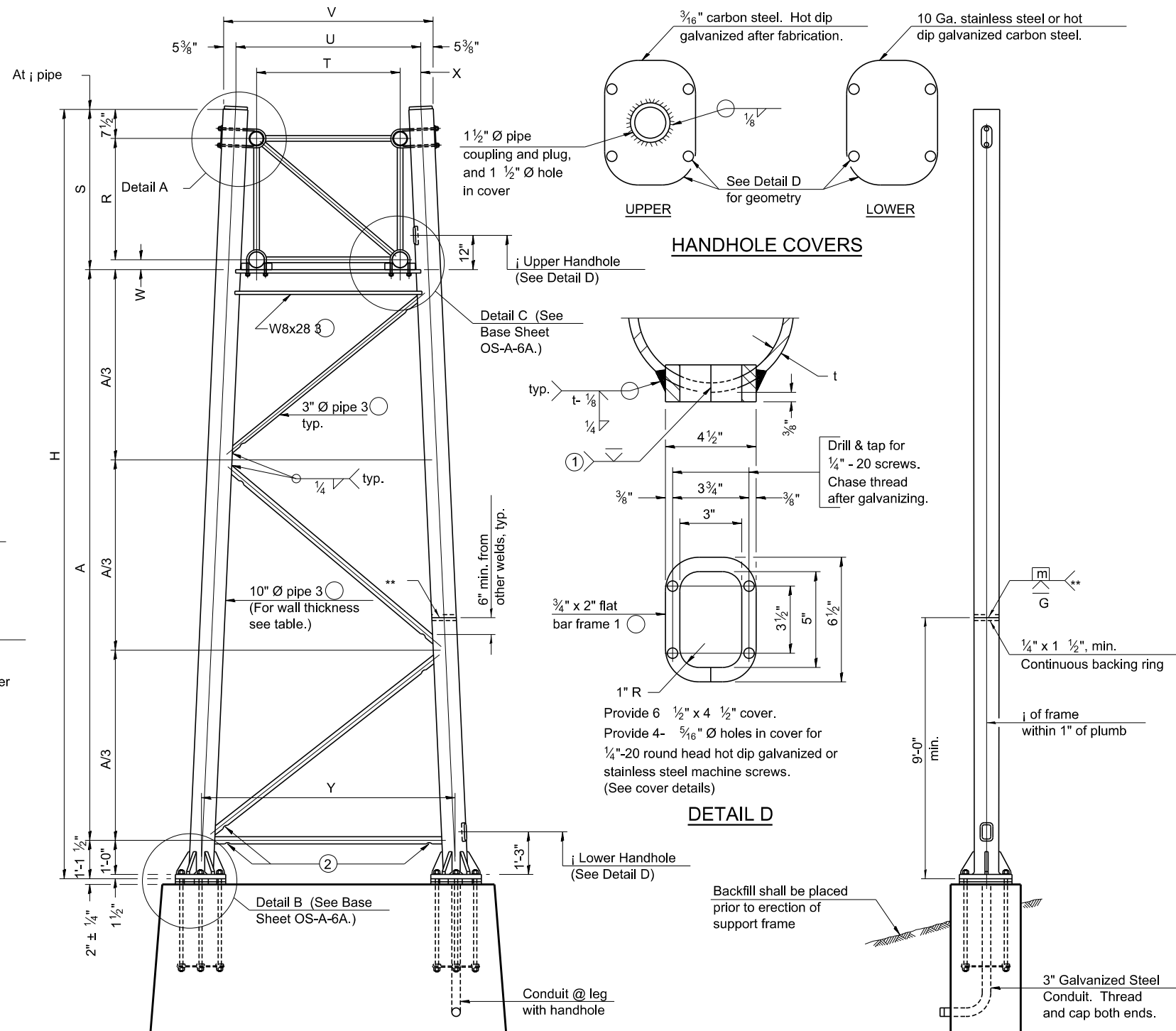


SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



SECTION B-B



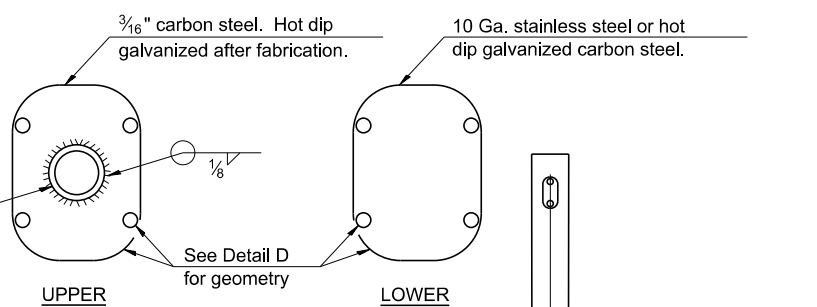
For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

SIDE ELEVATION

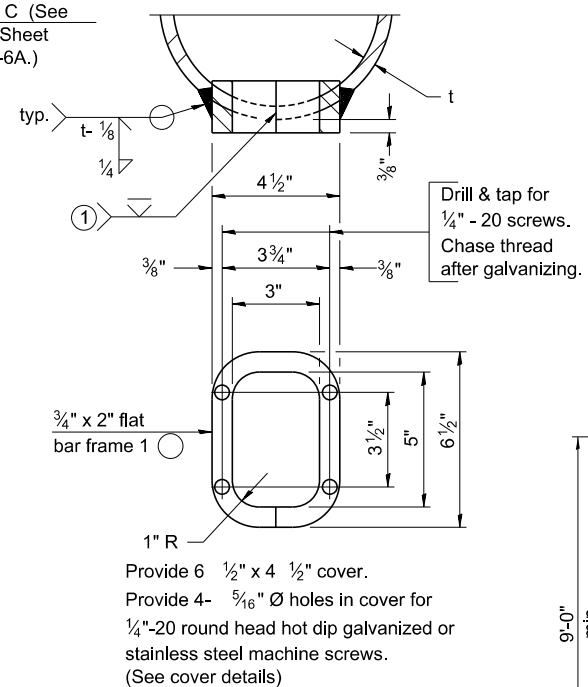
Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
I-A	4'-6"	5'-5 1/2"	4'-0"	5'-6"	6'-4 3/4"	4"	9"	8'-3"
II-A 5	5'-3"	6'-3 1/4"	4'-6"	6'-1"	6'-11 3/4"	4 3/4"	9 1/2"	8'-3"

10" Ø PIPE TRUSS SUPPORT FRAME

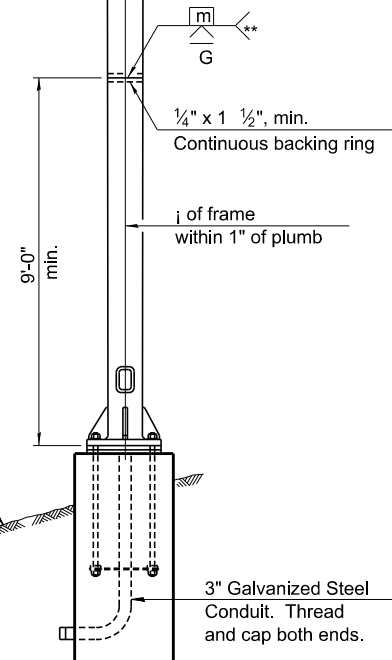
** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.



HANDHOLE COVERS



DETAIL D



END ELEVATION

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.
Load combinations checked include deadload plus:
a) 100% wind normal to sign, 20% parallel to sign
b) 60% wind normal to sign, 30% parallel to sign

- In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500µ in or less.
- Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- See General Notes for fasteners.
- Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- "H" based on 15'-0" or actual sign height, whichever is greater.

Structure Number	Station	Support		Truss Type	Pipe Wall Thickness	H (6)	A
		Left	Right				
ISO161057L351.8	1371+50	X		II-A	0.365	28.04	21.46
			X	II-A	0.365	26.73	20.15

OS-A-6 2-17-2017

DRAWN BY MFG
DATE 4-3-2020
CHECKED BY JPM
SCALE NONE

TYLIN INTERNATIONAL



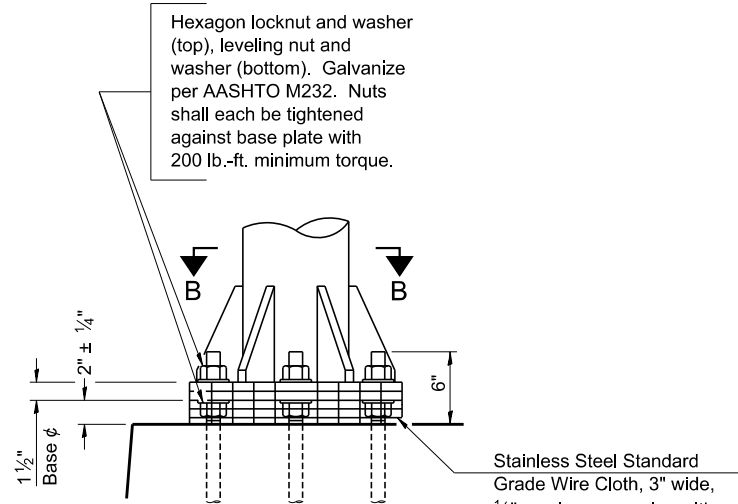
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGN STANDARD DETAILS

SHEET SIGN-STD-DET-08
201 OF 606

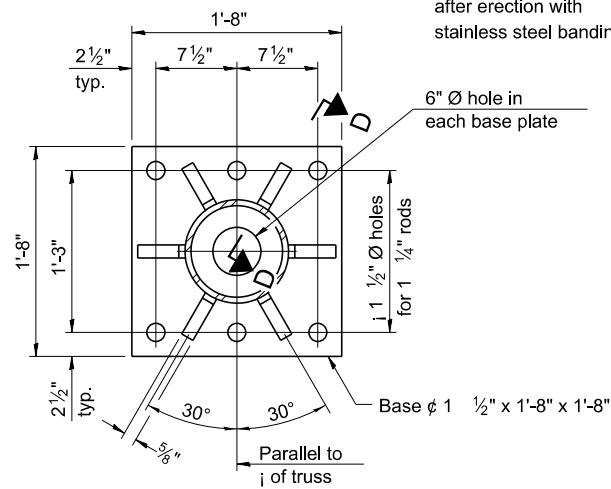
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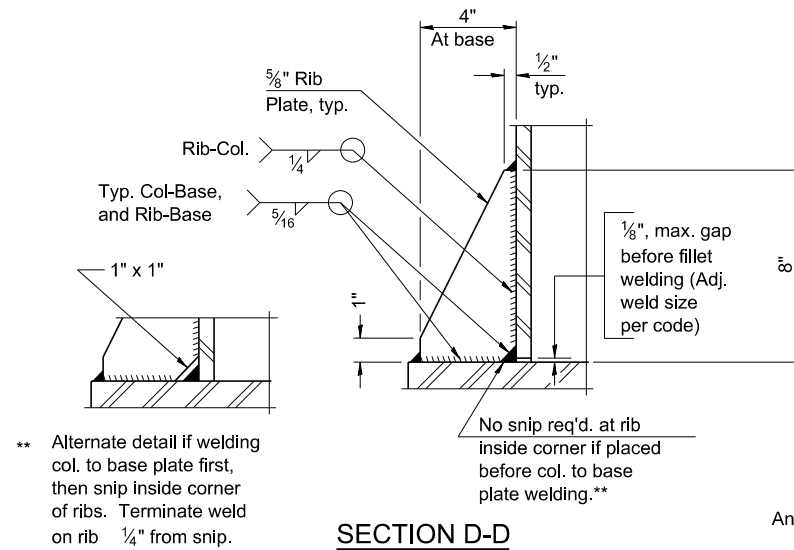
DETAIL B

Ribs shall be cut to fit slope of pipe.

Stainless Steel Standard Grade Wire Cloth, 3" wide, 1/4" maximum opening with a minimum wire diameter of AWG. No. 16 with a minimum 2" lap. Secure to base plate after erection with 3/4" stainless steel banding.



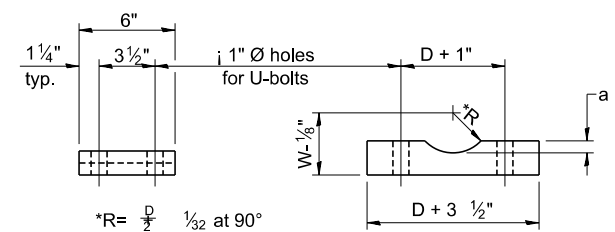
SECTION B-B



SECTION D-D

** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.

No snip req'd. at rib inside corner if placed before col. to base plate welding.**

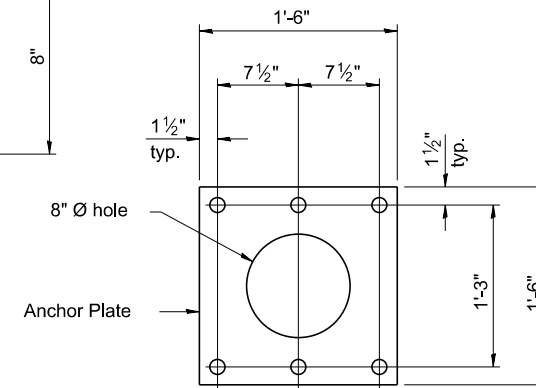


SADDLE SHIM DETAIL

D = Outside Diameter of Chord.
For W, see Base Sheet OS-A-6.

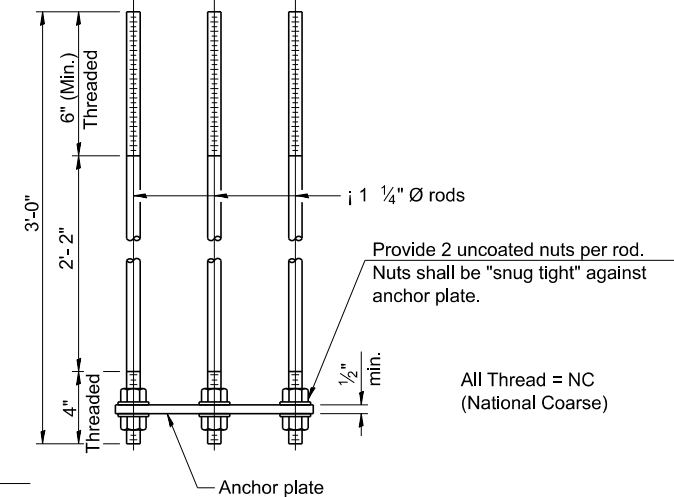
ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

Truss Chord Nominal Dia.	a
5"	3/4"
5 1/2"	13/16"
6"	7/8"
6 1/2"	15/16"
7"	1"



Anchor Plate

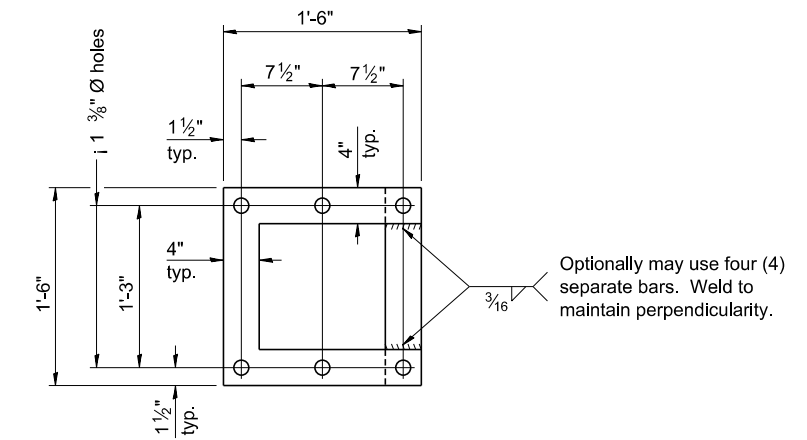
1 1/2" typical



ANCHOR ROD DETAIL
Spread Footing Foundation

Provide 2 uncoated nuts per rod. Nuts shall be "snug tight" against anchor plate.

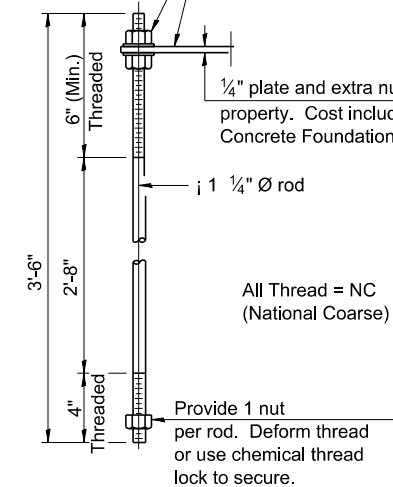
All Thread = NC (National Coarse)



POSITIONING PLATE(S)

At each location, provide 1/4" thick positioning plate(s) and six (6) additional nuts to be used with leveling nuts to maintain anchor bolts position during concrete placement.

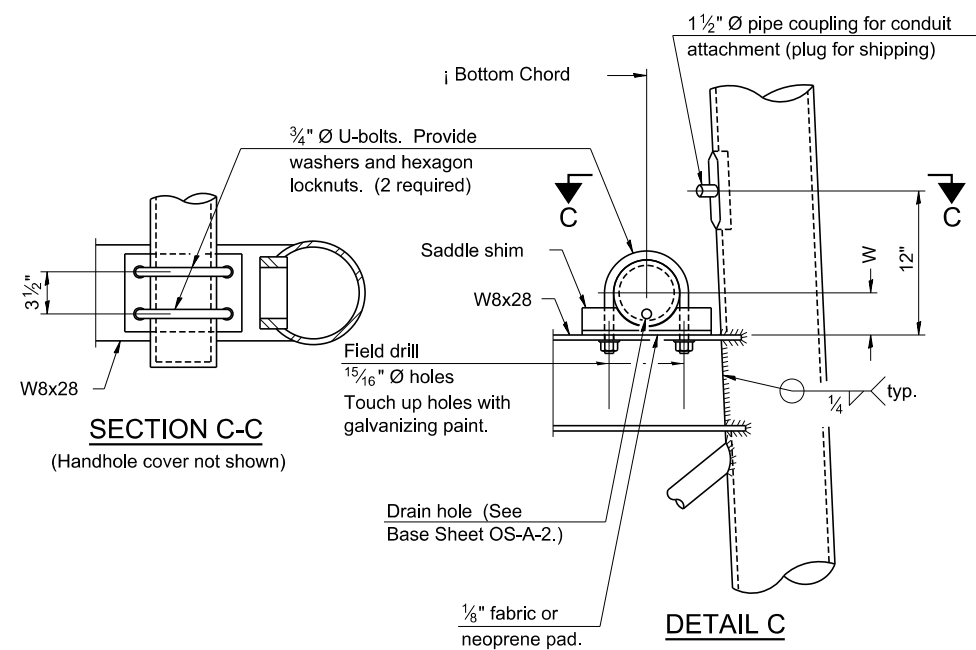
1/4" plate and extra nuts become Contractor's property. Cost included in Drilled Shaft Concrete Foundations.



ANCHOR ROD DETAIL
Drilled Shaft Foundation

All Thread = NC (National Coarse)

Provide 1 nut per rod. Deform thread or use chemical thread lock to secure.



SECTION C-C

(Handhole cover not shown)

DETAIL C

10" Ø PIPE SUPPORT FRAME DETAILS

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.

OS-A-6A

2-17-2017

DRAWN BY **MPG**
CHECKED BY **JPM**

DATE **4-3-2020**
SCALE **NONE**

TYLIN INTERNATIONAL

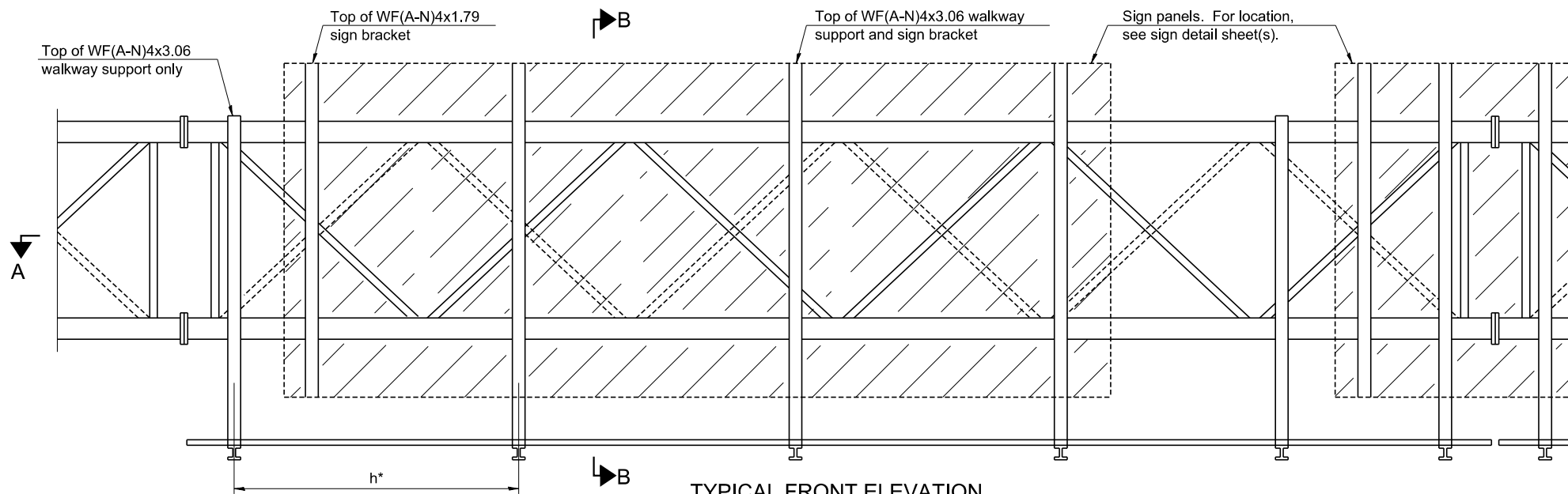


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2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

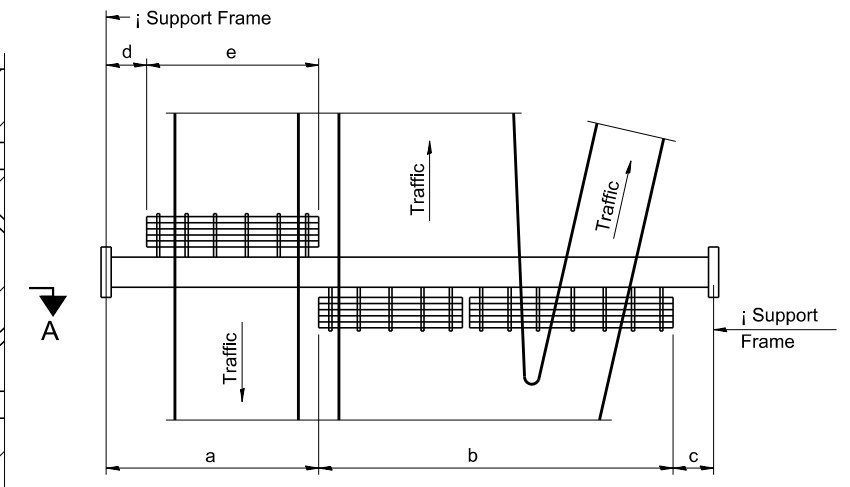
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
SIGN STANDARD DETAILS

SHEET SIGN-STD-DET-09
202 OF 606



TYPICAL FRONT ELEVATION
 With lights and handrail omitted for clarity.
 For Section B-B, see Base Sheet OS-A-10.



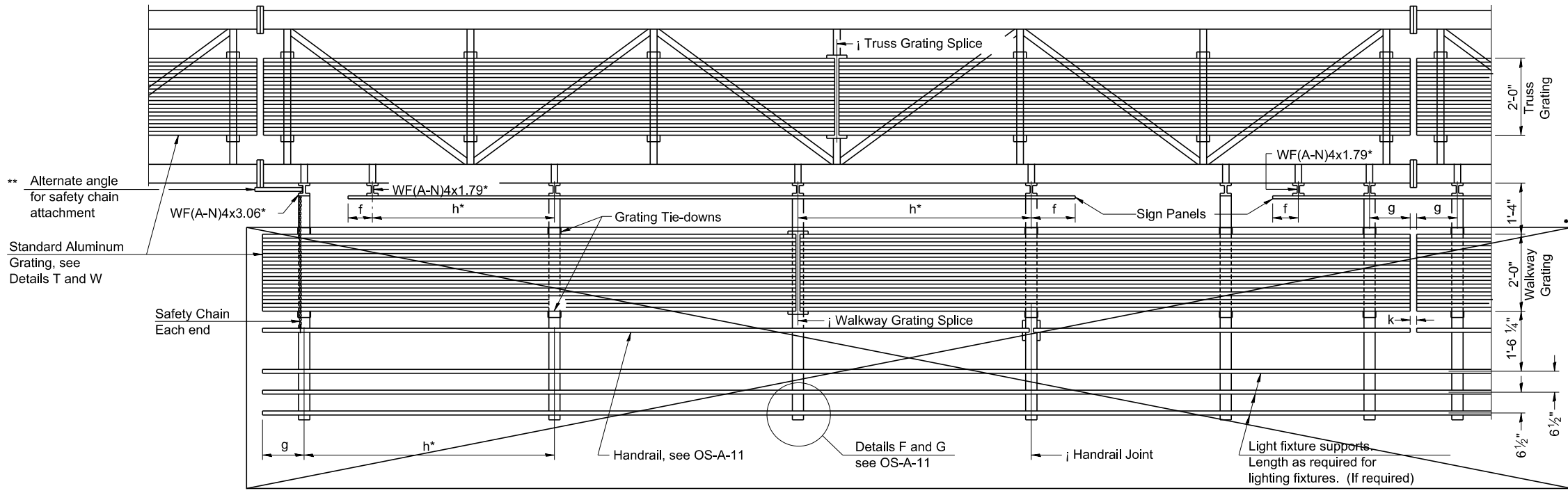
PLAN
WALKWAY AND HANDRAIL SKETCH
 (Road plan beneath truss varies)

BRACKET TABLE

WF(A-N)4x1.79 or WF(A-N)4x3.06 ASTM B308, Alloy 6061-T6		
Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
8'-0"	8'-0"	2
14'-0"	14'-0"	3
20'-0"	20'-0"	4
26'-0"	26'-0"	5
32'-0"	32'-0"	6

Notes:
 * Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:
 f = 12" maximum, 4" minimum (End of sign to j of nearest bracket)
 g = 12" maximum, 4" minimum (End of walkway grating to j of nearest support bracket)
 h = 6'-0" maximum (j to j sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)
 k = 2" maximum gap between adjacent walkway grating sections and handrail ends

** If walkway bracket at safety chain location is behind sign, add angle to bracket, see Alternate Safety Chain Attachment on Base Sheet OS-A-11.
 For Details T and W, Section B-B and Grating Splice Details see Base Sheet OS-A-10.
 For Handrail Details see Base Sheet OS-A-11.



SECTION A-A

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints.
 Place all sign and walkway brackets as close to panel points as practical.
 Handrail joints, grating, and light support splices placed as needed.

Structure Number	Station	a	b	c	d	e	Walkway Grating and Handrail Lengths
150161057L349.5	3260+95.2	n/a	n/a	n/a	n/a	n/a	n/a
150161057L351.8	1371+50	n/a	n/a	n/a	n/a	n/a	n/a

Truss grating to facilitate inspection shall run full length (center to center of support frames) ±12" on overhead trusses. Cost of truss grating is included in "Overhead Sign Structure".

Walkway and Truss Grating width dimensions are nominal and may vary ± 1/2" based on available standard widths.

• NO WALKWAY OR LIGHT FIXTURES IN THIS CONTRACT

OS-A-9 2-17-2017

DRAWN BY MPG
 CHECKED BY JPM
 DATE 4-3-2020
 SCALE NONE

TYLIN INTERNATIONAL



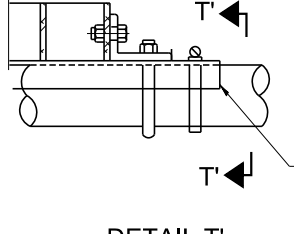
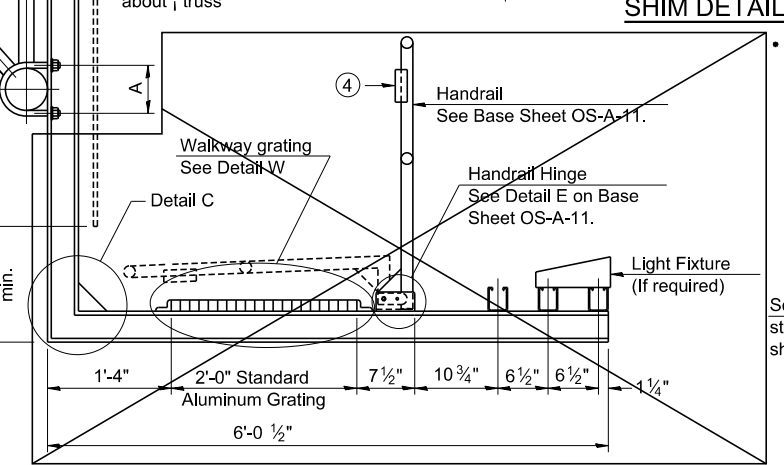
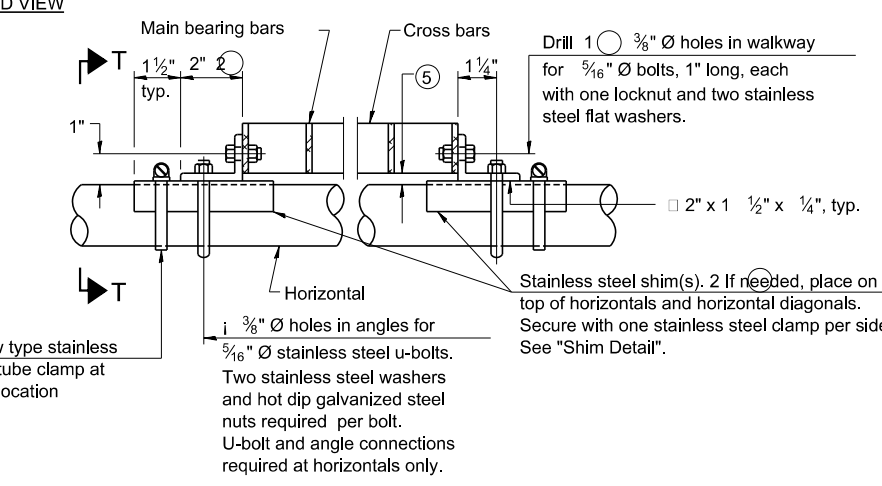
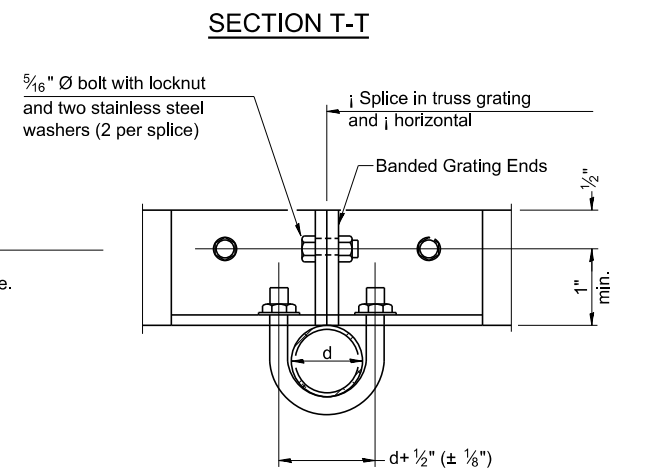
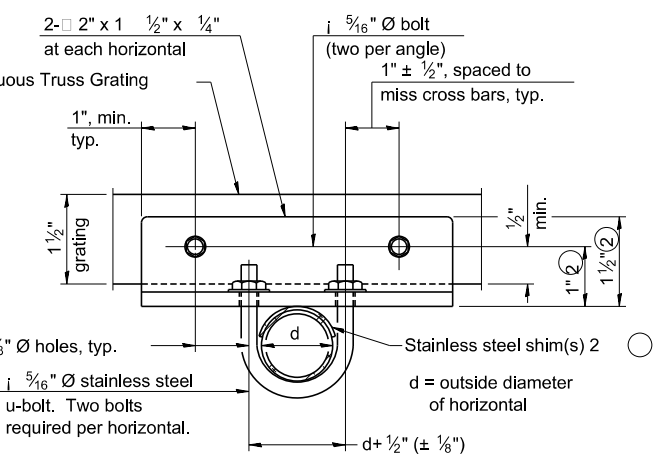
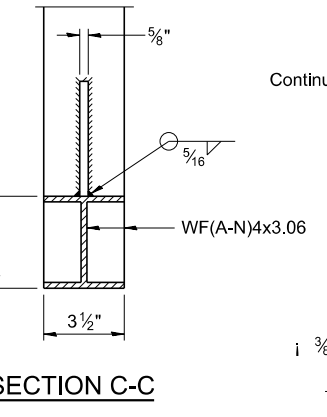
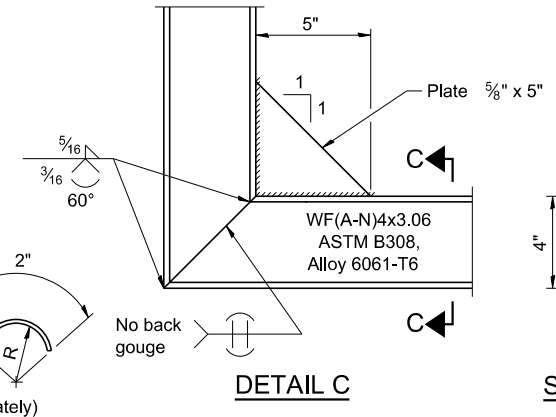
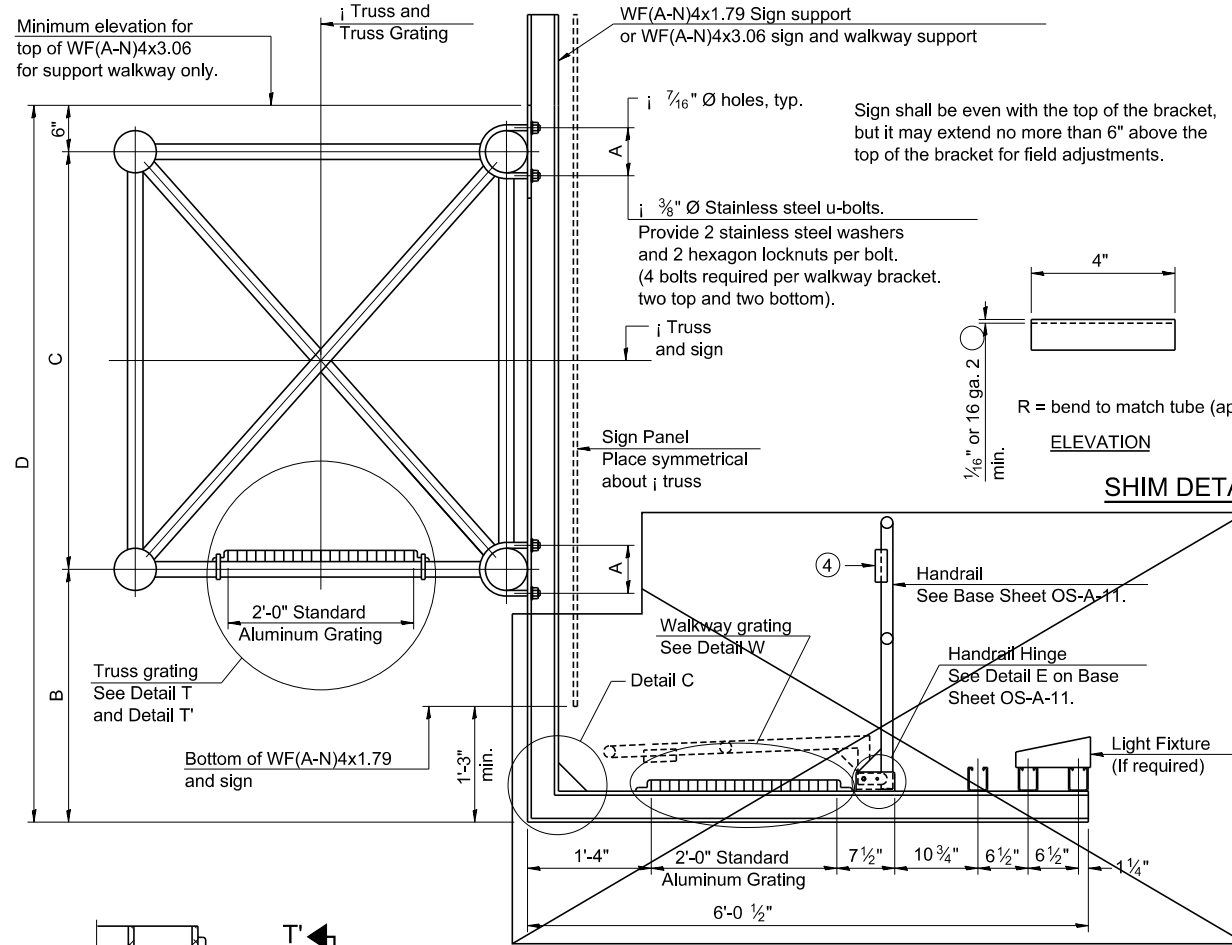
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

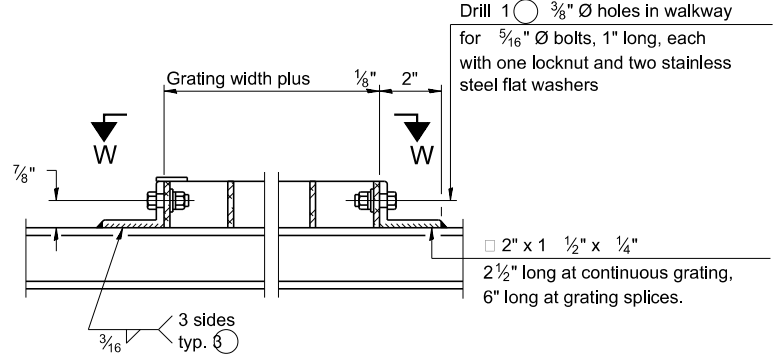
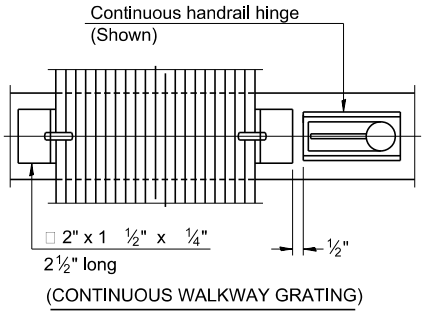
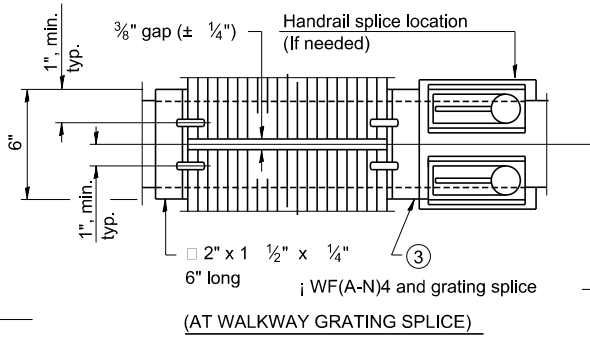
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DETAIL T'
(Truss grating splice)
Details not shown same as Detail T. Alternate materials may be used subject to the Engineer's review and approval.



DETAIL W
(Walkway grating)

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B221 Alloy 6061-T6.
 Cross bars shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.
OR
 Aluminum Grating with modified "I" sections for main bearing bars shall meet the following requirements:
 Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.³ per bar, a depth of 1 1/2", spaced on 1 3/16" centers.
 Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	B	C	D
ISO161057L 349.5	3260+95.2	5 1/2"	n/a	4'-6"	n/a
ISO161057L 351.8	1371+50	6"	n/a	5'-3"	n/a

- Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
- If Handrail Joint present, weld angle to WF(A-N)4 and extension bars. (See Base Sheet OS-A-11.)
- 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.
- Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.
- Based on actual height of tallest sign given on OS-A-1.

• NO WALKWAY OR LIGHT FIXTURES IN THIS CONTRACT

OS-A-10 2-17-2017

DRAWN BY **MPG**
 CHECKED BY **JPM**
 DATE **4-3-2020**
 SCALE **NONE**

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
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BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	—
#4 bar spiral (E) - see Side Elevation				

NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

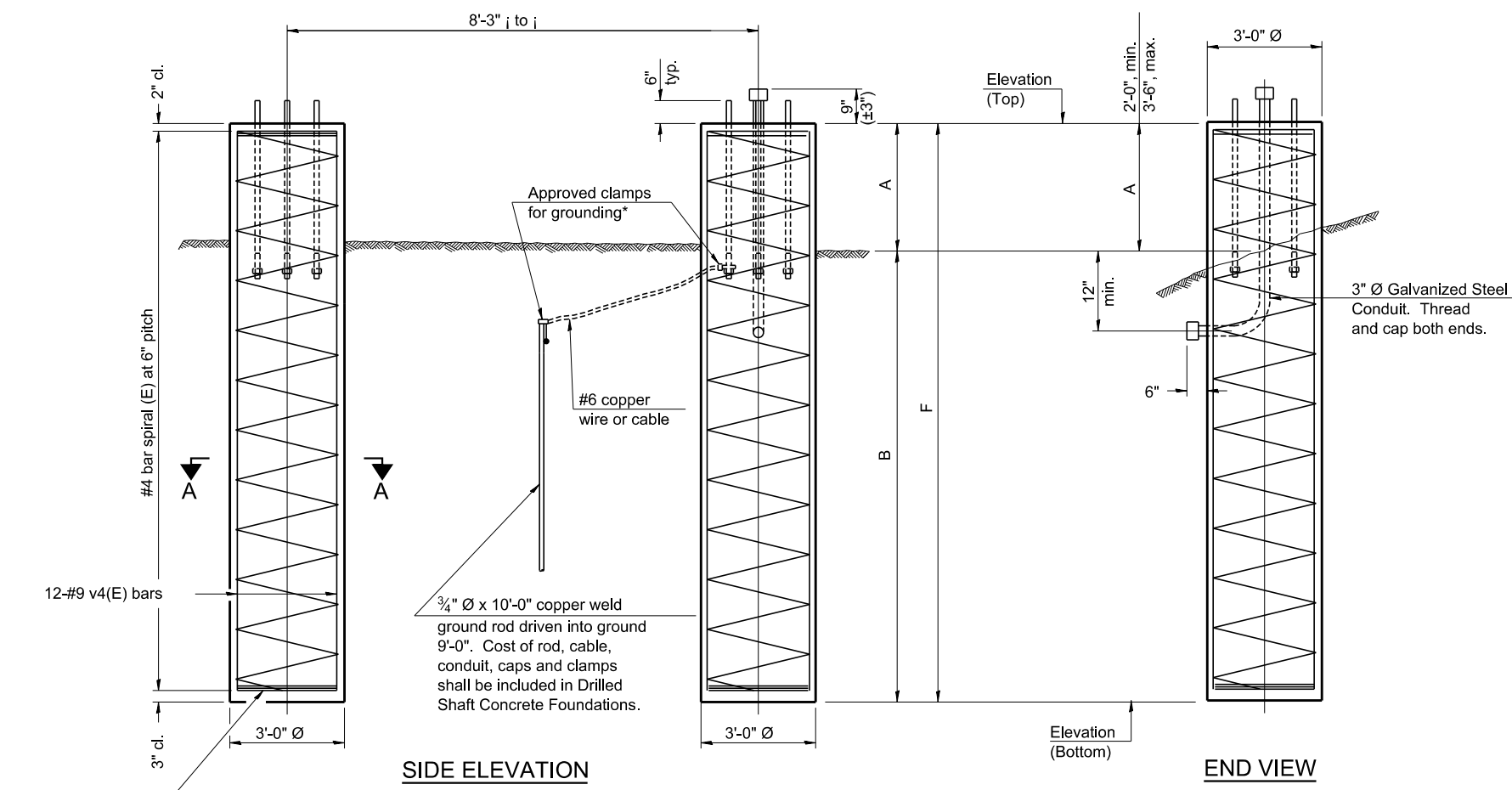
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

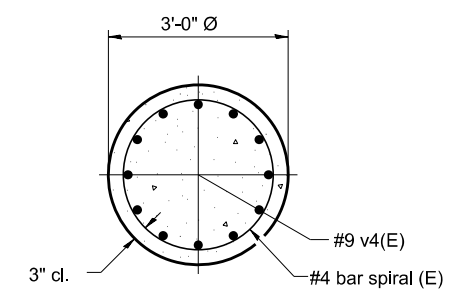
Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.

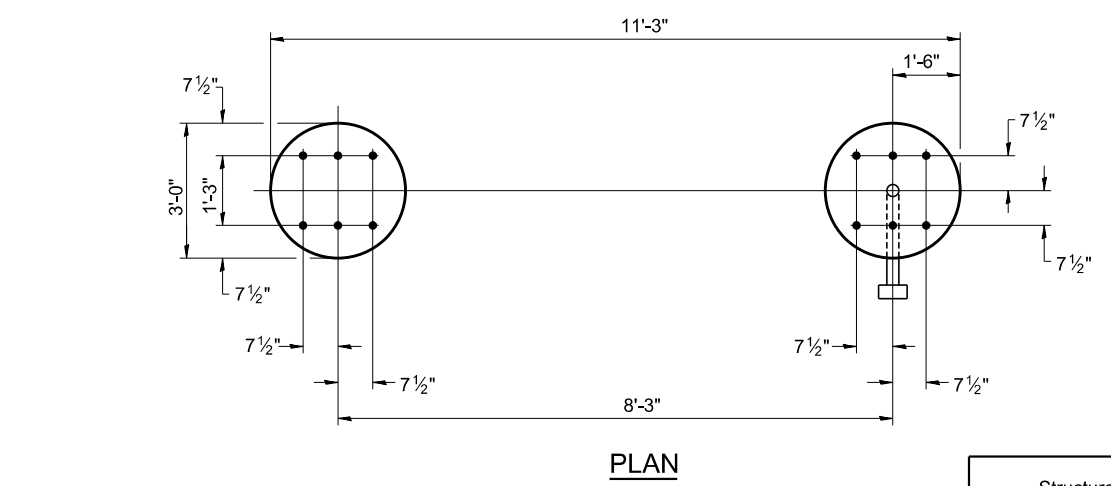


SIDE ELEVATION

END VIEW



SECTION A-A



PLAN

For anchor rod size and placement, see Support Frame Detail Sheet.

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

**DETAILS FOR 10" Ø SUPPORT FRAME
TYPE I-A or II-A TRUSS**

Structure Number	Station	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
ISO161057L351.8	1371+50	633.04	629.54	3'-6"	17'-6"	21'-0"	-	-	-	-	-	11.0

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OS4-F3 2-17-2017

DRAWN BY **MPG** DATE **4-3-2020**
 CHECKED BY **JPM** SCALE **NONE**

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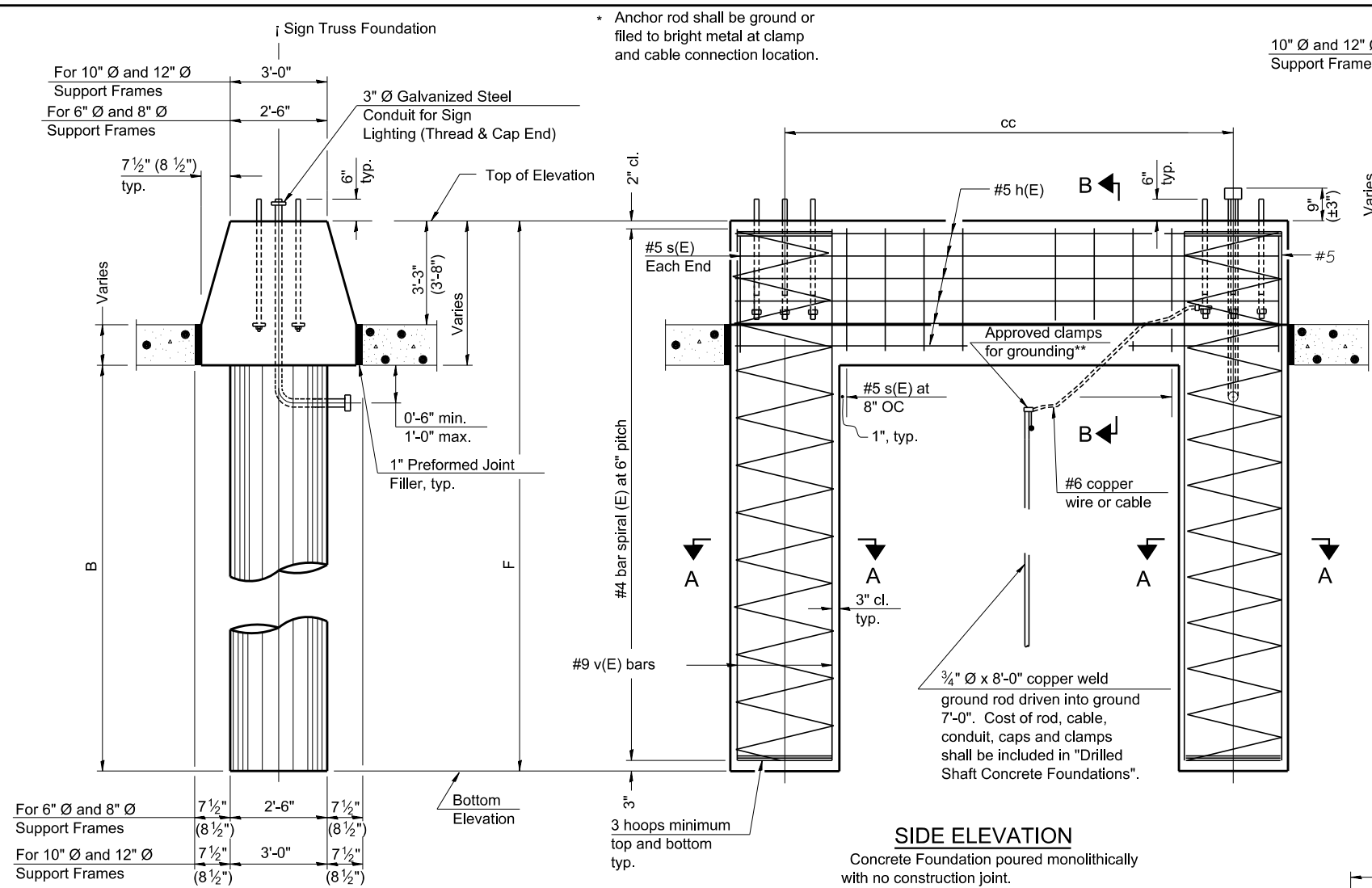
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REVISIONS		
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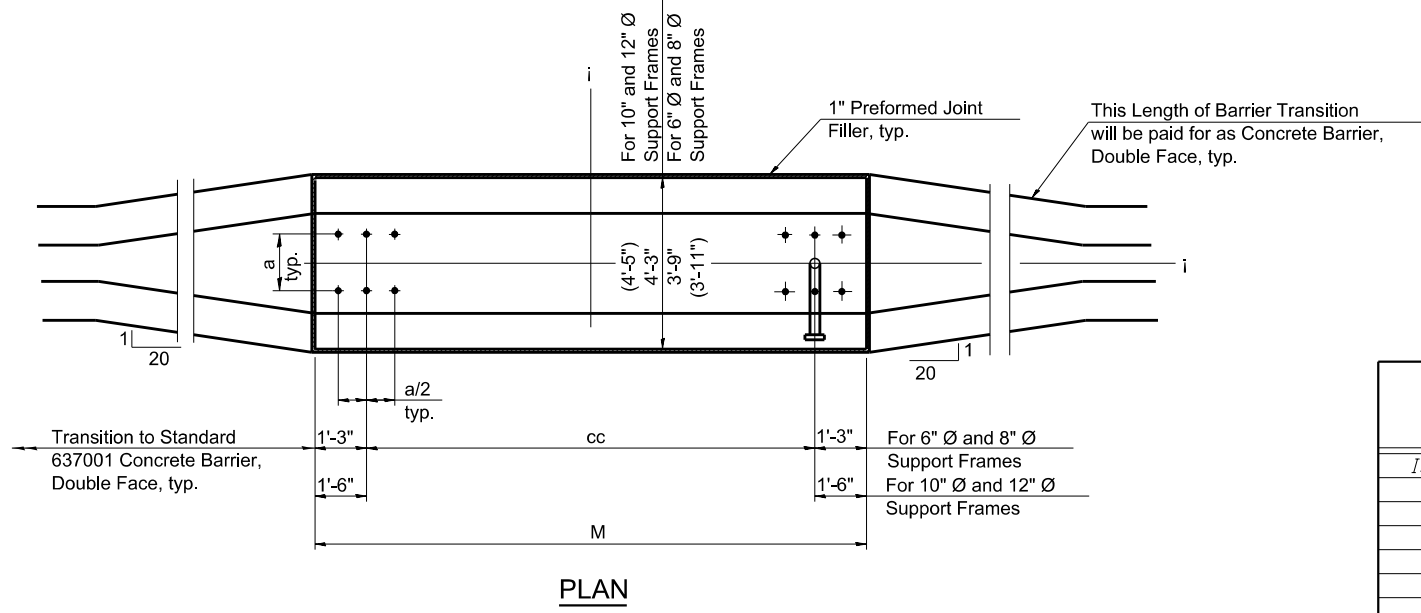
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* Anchor rod shall be ground or filled to bright metal at clamp and cable connection location.

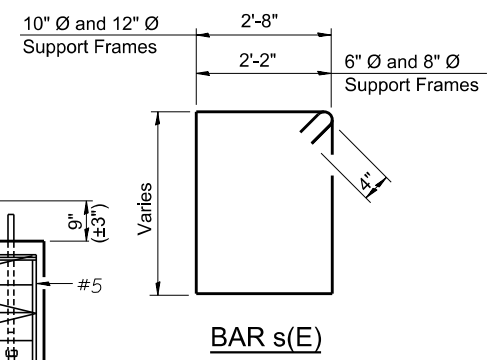


END VIEW

SIDE ELEVATION
Concrete Foundation poured monolithically with no construction joint.



PLAN



BAR s(E)

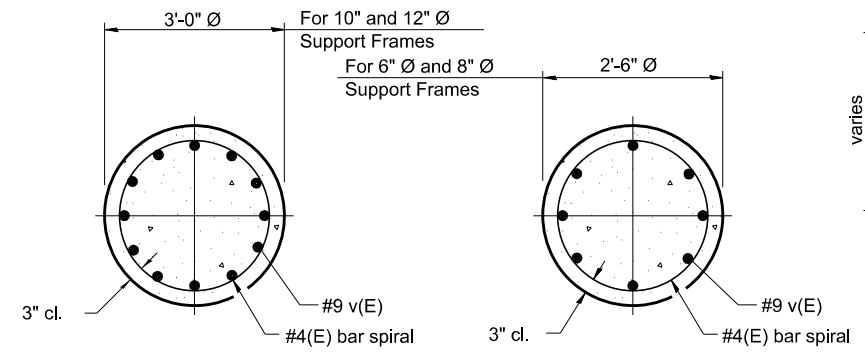
Pipe Support Frames	cc	M	a	a/2
6"Ø	7'-0"	9'-6"	0'-11"	5 1/2"
8"Ø	7'-6"	10'-0"	1'-1 1/2"	6 3/4"
10"Ø	8'-3"	11'-3"	1'-3"	7 1/2"
12"Ø	9'-0"	12'-0"	1'-6"	9"

BAR LIST - EACH FOUNDATION

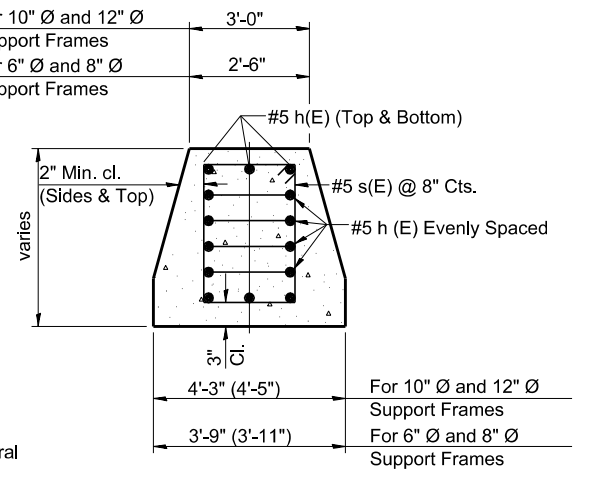
Bar	Number	Size	Length	Shape
h(E)	14	#5	M less 4"	—
s(E)	Varies	#5	Varies	□
v(E)	16	#9	F less 0'-5"	—
v(E)	24	#9	F less 0'-5"	—
#4(E) bar spiral see Side Elevation				

6" Ø and 8" Ø Support Frame
10" Ø and 12" Ø Support Frame

All dimensions in parenthesis are for 42" high barrier.



SECTION A-A



SECTION B-B

Structure Number	Station	Left Foundation				Right Foundation				Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	B	F	Elevation Top	Elevation Bottom	B	F	
ISO161057L351.8	1371+50	-	-	-	-	634.35	630.68	17'-5"	21'-2"	14.8

** Based on 44" Barrier sitting atop an 8" base.

OS4-MED 2-17-2017

DRAWN BY MFG DATE 4-3-2020
CHECKED BY JPM SCALE NONE

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GENERAL NOTES

SPECIFICATIONS:

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

MINIMUM CLEARANCE: 3" greater than bridge members at all locations. (All Obstructions)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 Structural Welding Code (Steel) and the Standard Specifications.

MATERIALS: All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 Grade B or C with a minimum yield of 46,000 p.s.i. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 (M183, M223 Gr. 50.).

HIGH STRENGTH BOLTS: All bolts, washers, nuts and locknuts shall satisfy the requirements of ASTM designation A307 unless noted as "H.S." which shall require AASHTO M164 (A325), ASTM A449, or approved alternate. All fasteners shall be hot dip galvanized per AASHTO M232 unless otherwise specified.

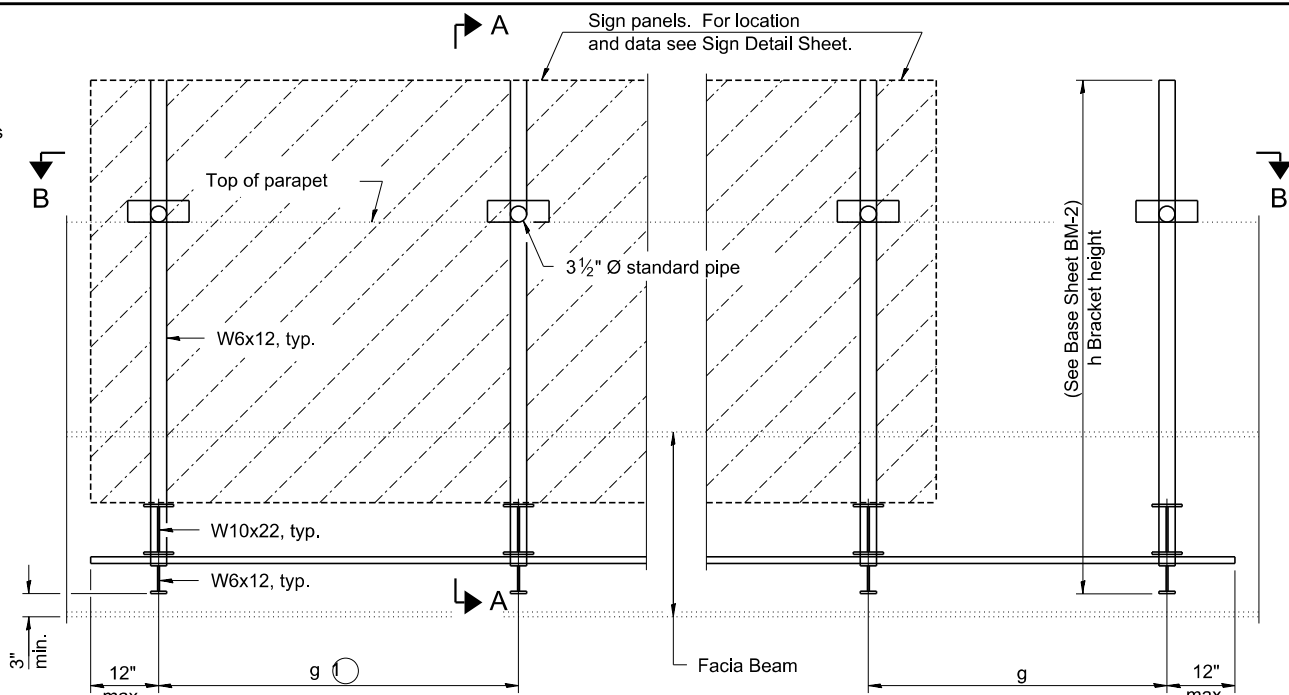
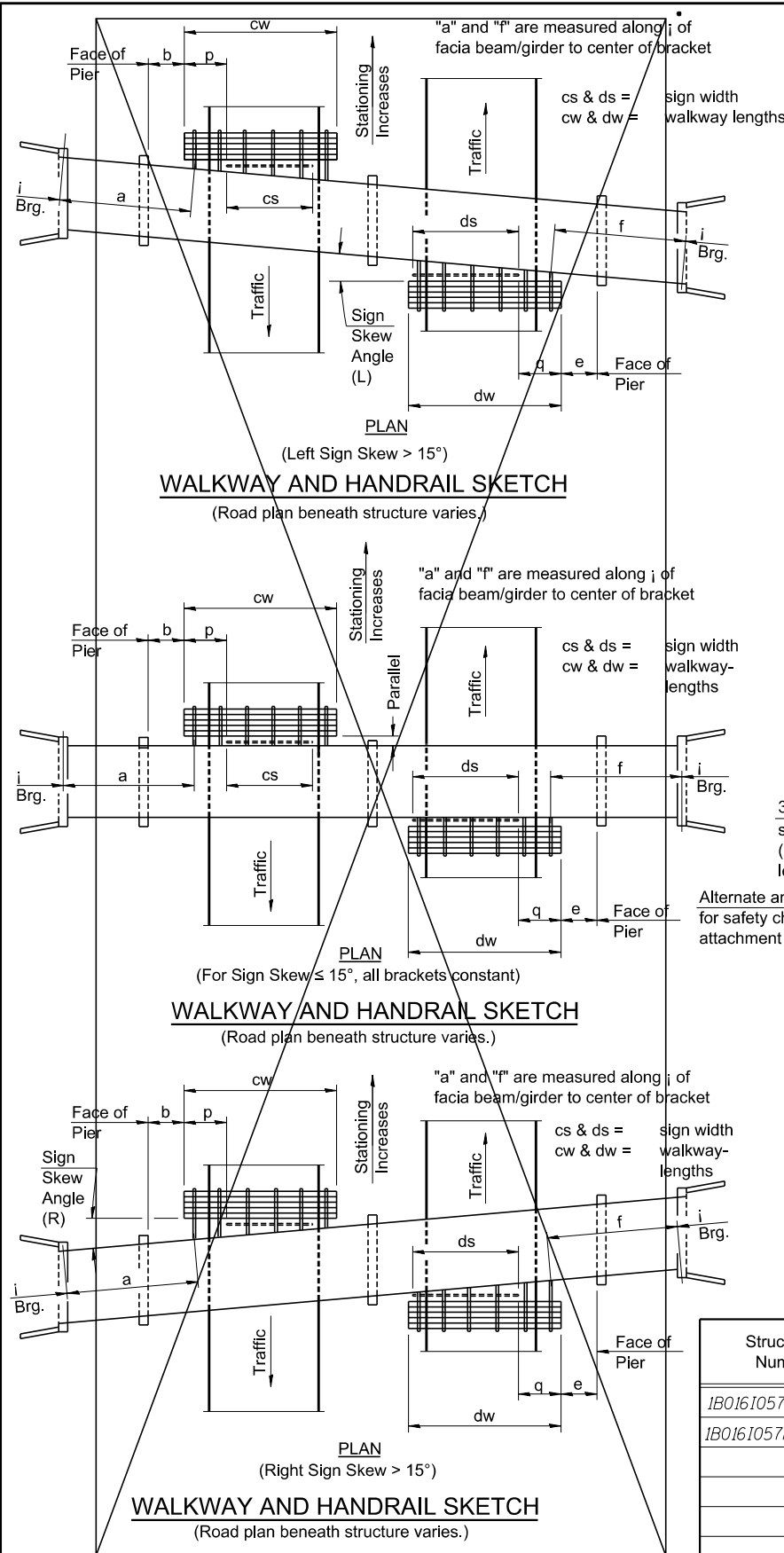
GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: All-threaded rod shall conform to ASTM F1554 Grade 105, 3/4" Ø x 12" long, each with one plate washer and locknut and be hot dip galvanized per AASHTO M232. They shall be either cast into the concrete or epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment in concrete shall be 9".

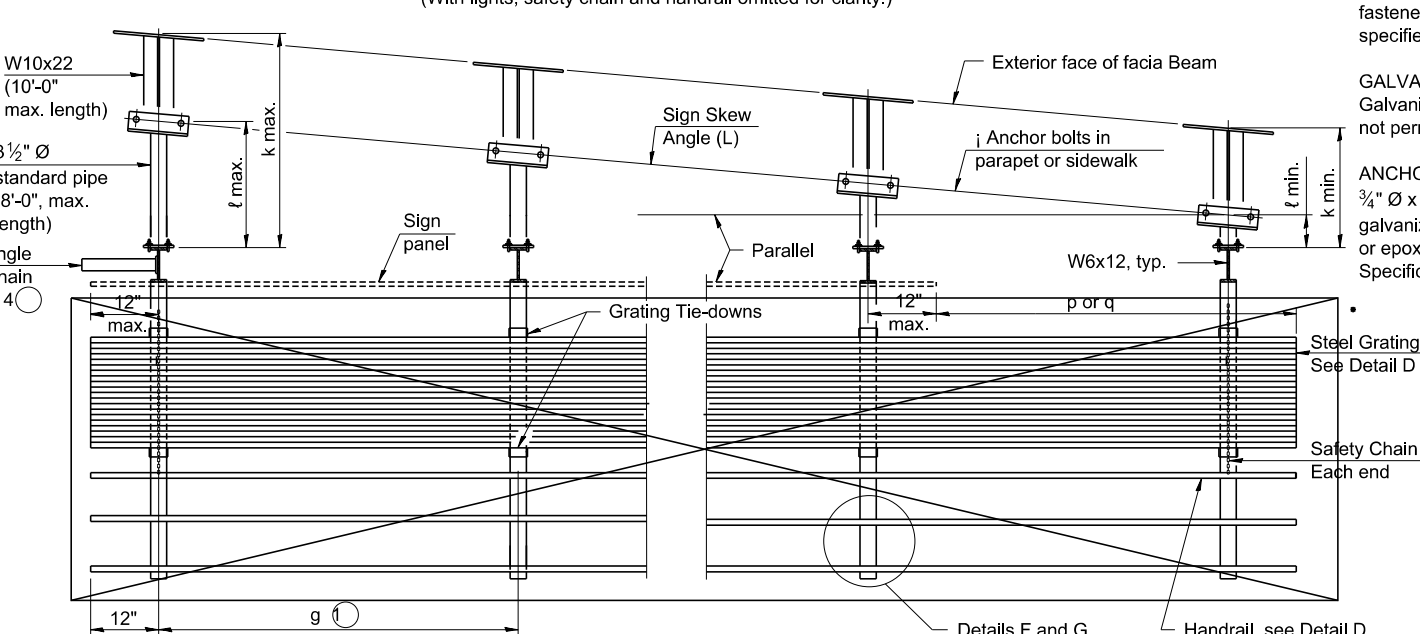
- ① Bracket spacing $g \leq 6'-0"$, max. Spacing shall be uniform if possible but may vary $\pm 6"$ to miss existing obstruction (rail post, light poles, web stiffeners, splice plates, etc.). Adjust bracket lengths accordingly on skewed structures.
- ② Any design modifications shall be based on the current version of applicable specifications and submitted for the Engineer's approval.
- ③ Unit price includes grating, handrail, brackets, supports, anchor bolts, fasteners, fabrication, delivery, erection, field drilling and other necessary items. Limits of payment are based on grating length (cw, dw) unless otherwise specified. For Safety Chain Details and Details D, F and G, see Base Sheet BM-4.
- ④ If walkway bracket at safety chain location is behind sign, add angle to bracket. See detail on Base Sheet BM-4.

TOTAL BILL OF MATERIAL

③ OVERHEAD SIGN STRUCTURE-BRIDGE MOUNTED	Foot	Foot
--	------	------



TYPICAL FRONT ELEVATION
(With lights, safety chain and handrail omitted for clarity.)



SECTION B-B
(Shown: Left Sign Skew 15°)

Structure Number	Sign Skew Angle (L) or (R)	Bridge Station	Bridge Structure Number	Contract Route Designation	a	b	cs	cw	ds	dw	e	f	g	No. of Brackets (Total)	p	q	Total Grating/Hndrl. Lengths (cw + dw)
1B0161057R354.3-1	0°		XXX-XXXX	119th ST.					29.0'			27.0'	4'-6"	7			
1B0161057R354.3-2	0°		XXX-XXXX	119th ST.					18.0'			8.0'	5'-4"	4			

Dimensions a, b, e, f & g may vary as approved by the Engineer, see 1.
When cw < cs and/or dw < ds, use alternate brackets without walkway supports where applicable, see 3.

BM-1 2-17-2017

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DATE 4-3-2020
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SCALE NONE

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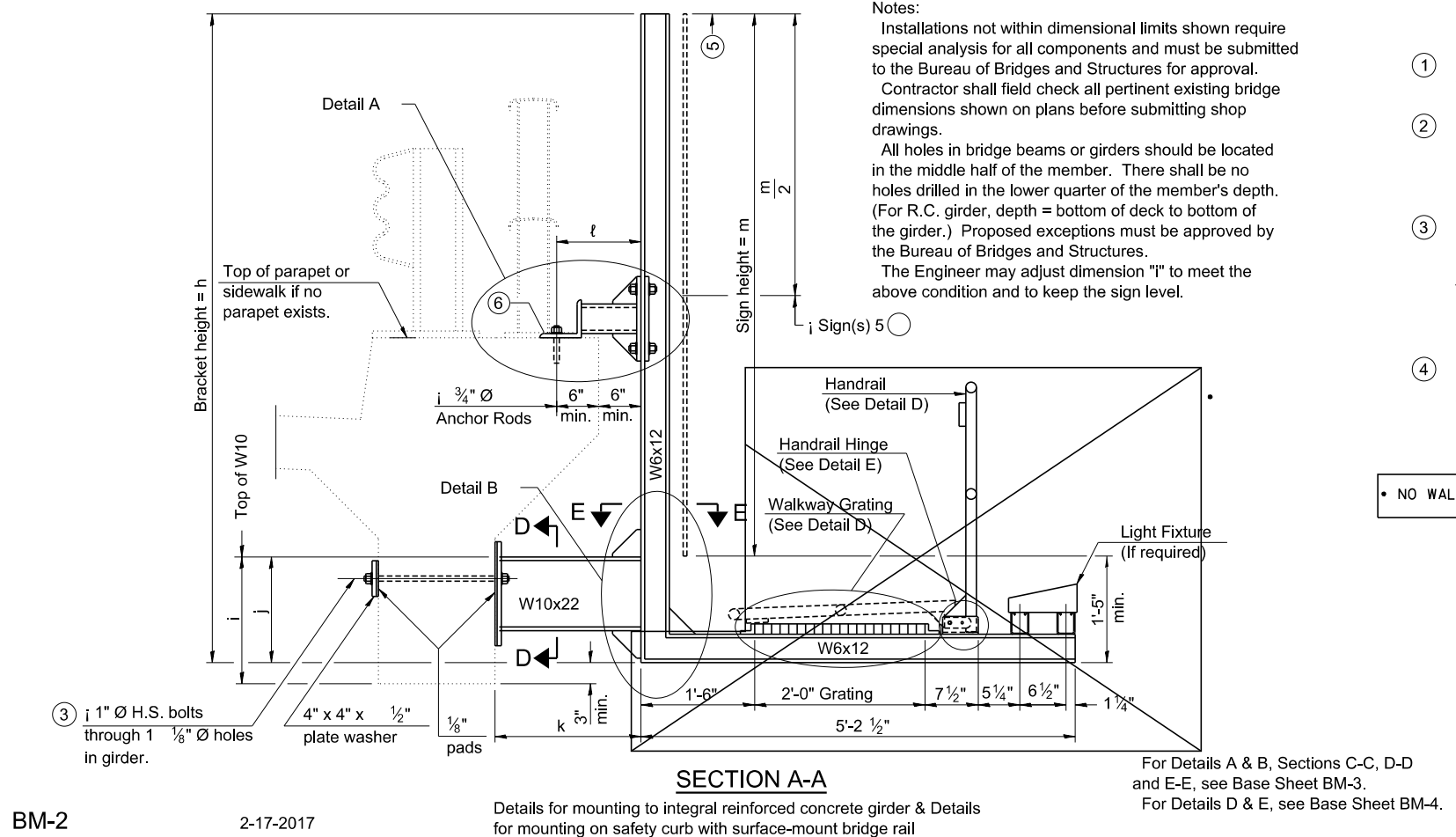
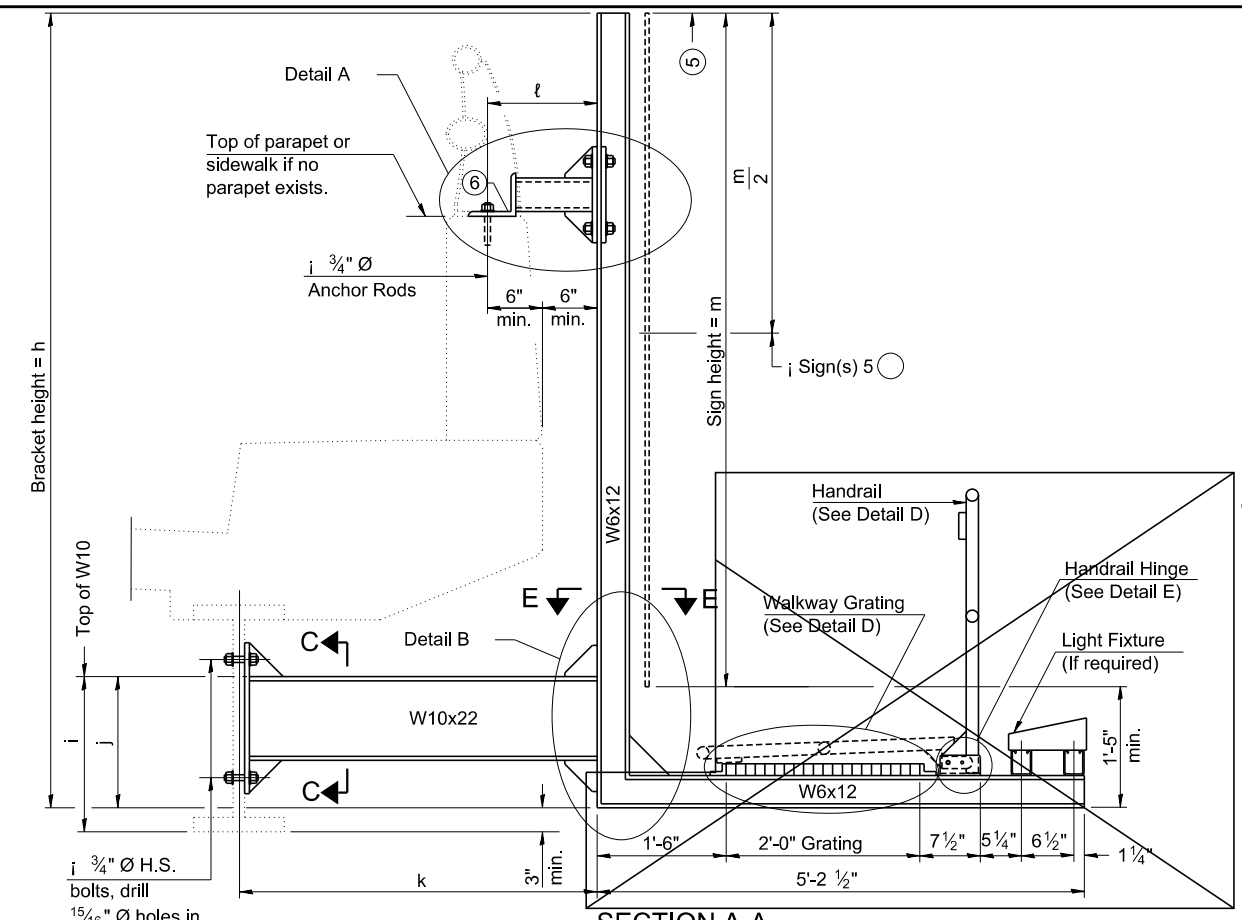
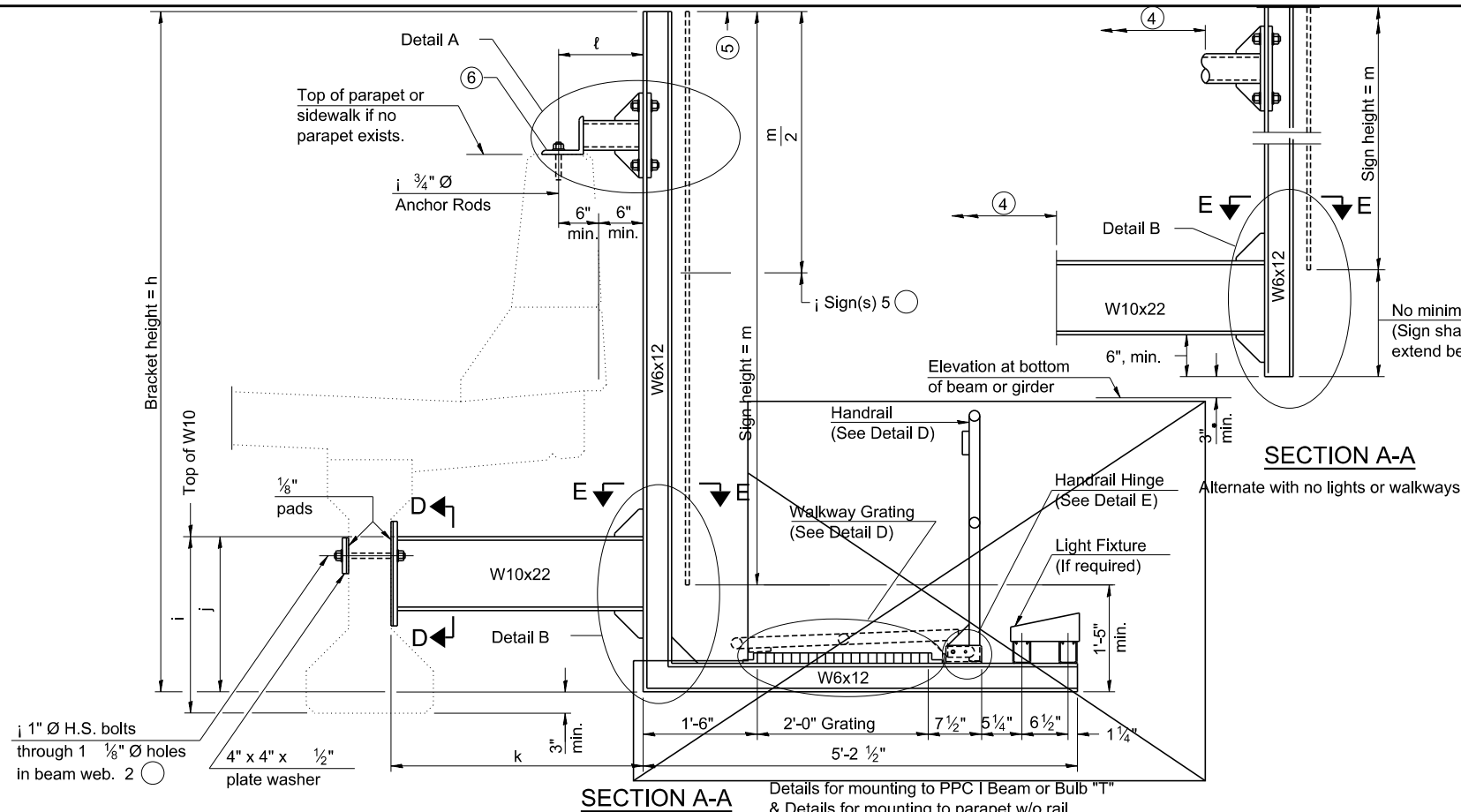


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2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

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Notes:
 Installations not within dimensional limits shown require special analysis for all components and must be submitted to the Bureau of Bridges and Structures for approval. Contractor shall field check all pertinent existing bridge dimensions shown on plans before submitting shop drawings.
 All holes in bridge beams or girders should be located in the middle half of the member. There shall be no holes drilled in the lower quarter of the member's depth. (For R.C. girder, depth = bottom of deck to bottom of the girder.) Proposed exceptions must be approved by the Bureau of Bridges and Structures.
 The Engineer may adjust dimension "i" to meet the above condition and to keep the sign level.

- ① Holes in new steel members may be drilled in the fabrication shop or in the field. Field drill existing members.
- ② For new PPC I beams, holes shall be formed during casting. For existing PPC I beams, prestressing strand locations shall be determined and spaced to miss strands by 6", min. Minimize spalling during field drilling of existing beams.
- ③ For new construction, form holes. For existing RC beams, locate primary reinforcement and space holes to miss by 6", min. Minimize spalling and concrete fracturing/damage during field drilling of existing concrete. Spalls over 1/4" deep or beyond the coverage of the 4x4 plate washer shall be repaired with epoxy mortar before installing washer.
- ④ For attachment details of 3 1/2" pipe and W10x22, see other sections as applicable.

- ⑤ Sign shall not extend more than 6" above top of bracket, and this dimension may vary to keep sign level if bridge is on grade or vertical curve. Multiple signs of various heights shall share a common horizontal centerline and use equal bracket heights. If no sign is attached to a W6x12 vertical (bracket only supporting walkway), dimension h shall be the same as an adjacent bracket with a sign attached, unless Engineer specifically directs shorter brackets due to locational restraints on future uses. (See Detail A for minimum bracket height.)
- ⑥ For bridge mounted sign structures installed on new bridges with railing, during design, bracket spacing must be coordinated with railing post spacing and the Contractor must install upper brackets prior to railing installation. For bridge mounted sign structures installed on existing bridges with railing, during design, brackets spacing must be coordinated with railing post spacing and the Contractor must temporarily remove sections of railing to facilitate upper bracket installation. If it is determined during design that existing railings can't be removed, alternate upper connection details must be developed for the contract plans and approved by the Bureau of Bridges and Structures.

• NO WALKWAY OR LIGHT FIXTURES IN THIS CONTRACT

Structure Number	Station	h	i	j	k max. (10'-0" max.)	l max. (8'-0" max.)	m (15'-0" max.)
1B0161057R354.3-1	XXXX+XX	15'-0"	2.50'	2.25'	3'-0"	1'-0"	15'-0"
1B0161057R354.3-2	XXXX+XX	11'-0"	2.50'	2.25'	3'-0"	1'-0"	11'-0"

BM-2
 2-17-2017
 DRAWN BY MFG
 DATE 4-3-2020
 CHECKED BY JPM
 SCALE NONE

TYLIN INTERNATIONAL

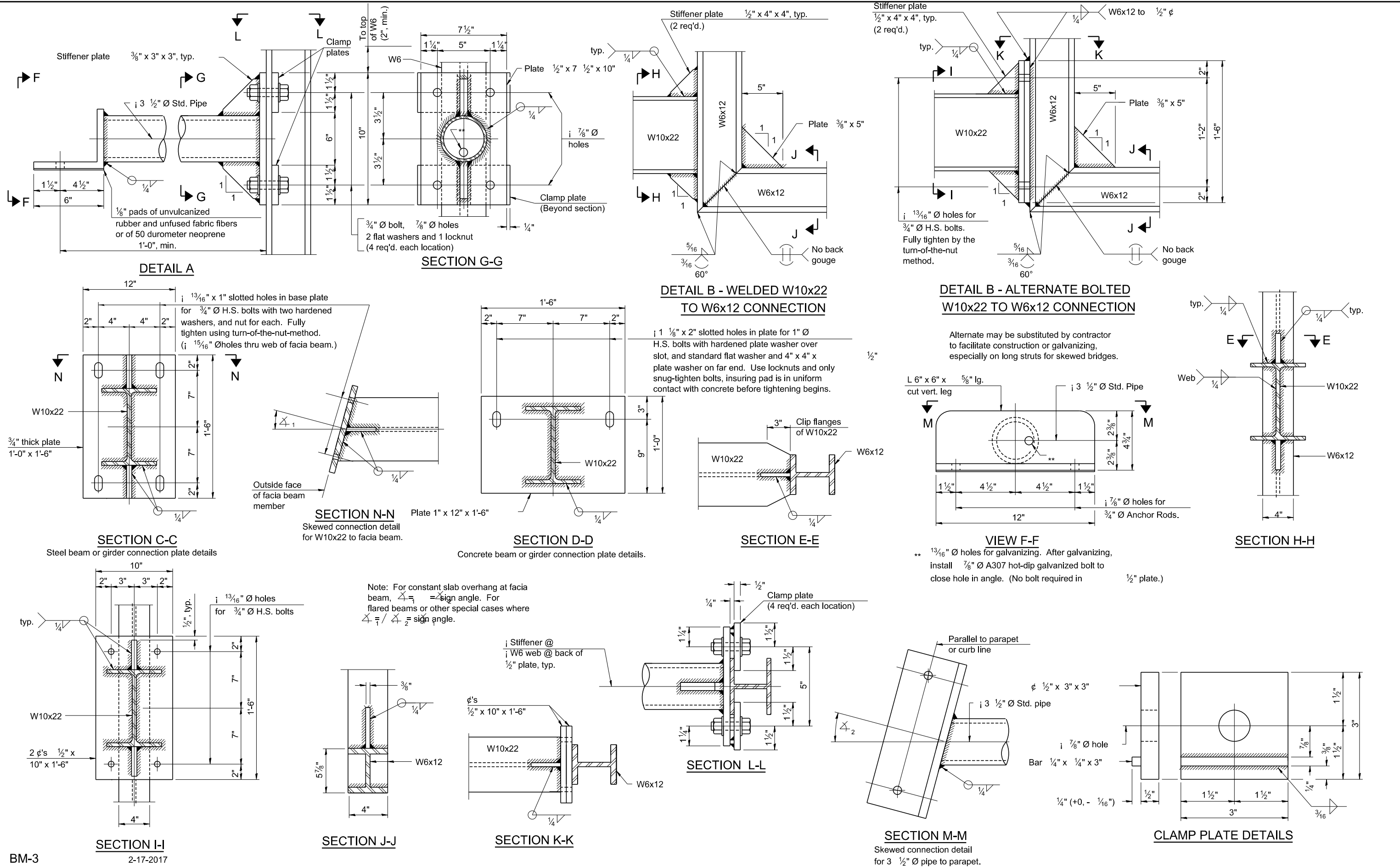


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BM-3 2-17-2017

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 SCALE NONE

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






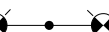











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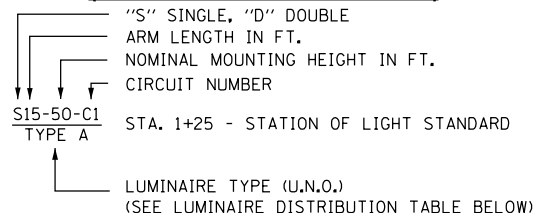
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TOLLWAY LIGHTING LEGEND

-  PROPOSED SINGLE ARM GROUND MOUNTED LIGHTING UNIT
50' MOUNTING HEIGHT, 15' MAST ARM, LED LUMINAIRE
-  PROPOSED UNIT DUCT OR CABLE, SIZE AND TYPE AS NOTED ON PLANS
-  PROPOSED UNDERGROUND CONDUIT CASING, SIZE AND TYPE AS NOTED ON PLANS
-  PROPOSED UNIT DUCT OR CONDUIT TAG, SEE SCHEDULE FOR DESCRIPTION
-  EXISTING JUNCTION BOX TO REMAIN
-  RELOCATED EXISTING OUTDOOR ROADWAY LIGHTING CONSOLE
-  EXISTING SINGLE ARM LIGHTING UNIT TO REMAIN
-  EXISTING TWIN ARM LIGHTING UNIT TO REMAIN
-  EXISTING UNDERPASS LUMINAIRE TO REMAIN
-  EXISTING ELECTRIC SERVICE TO REMAIN
-  EXISTING HANDHOLE TO BE REMOVED
-  EXISTING SINGLE ARM LIGHTING UNIT AND FOUNDATION TO BE REMOVED, LED LUMINAIRE TO BE REMOVED AND STORED
-  EXISTING OUTDOOR ROADWAY LIGHTING CONSOLE TO BE REMOVED AND STORED
-  EXISTING ELECTRIC CABLE TO BE REMOVED
-  TEMPORARY LIGHTING UNIT
70' CLASS 3 WOOD POLE, 50' MOUNTING HEIGHT,
15' MAST ARM, 400W HPS LUMINAIRE, 480V
-  TEMPORARY WOOD POLE
60', CLASS 4
-  TEMPORARY ROADWAY LIGHTING CONTROLLER, POLE MOUNTED
-  TEMPORARY AERIAL CABLE
4-1/2" NO. 2 WITH MESSENGER WIRE (U.N.O.)
-  EXISTING ELECTRIC CABLE TO REMAIN

CALL-OUT LEGEND

(HPS & LED LUMINAIRES)



LUMINAIRE DISTRIBUTION TABLE (LED)

LUMINAIRE TYPE	AEL	GE	PHILIPS
A	TYPE II	TYPE III	TYPE R2M

LUMINAIRE DISTRIBUTION TABLE (HPS)

LUMINAIRE TYPE	AEL	GE	HUBBELL
B	M-C-III	M-C-III	M-C-III

TOLLWAY LIGHTING SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
81800150	AERIAL CABLE, 3-1/2" NO. 3/0 WITH MESSENGER WIRE	FOOT	90
81800190	AERIAL CABLE, 2-1/2" NO. 2 WITH MESSENGER WIRE	FOOT	220
81800400	AERIAL CABLE, 4-1/2" NO. 2 WITH MESSENGER WIRE	FOOT	1,210
82500320	LIGHTING CONTROLLER, POLE MOUNTED, 480VOLT, 60AMP	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	9,460
89502380	REMOVE EXISTING HANDHOLE	EACH	1
JS810837	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	125
JS810875	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	530
JS810879	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 4" DIA.	FOOT	195
JS812027	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	180
JS816072	UNIT DUCT, WITH 2-1/2" NO. 2 AND 1/2" NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	640
JS816076	UNIT DUCT, WITH 4-1/2" NO. 2 AND 1/2" NO. 4 GROUND, 600V (XLP-TYPE USE), 2" DIA. CNC	FOOT	1,150
JS817214	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" NO. 4	FOOT	1,435
JS817215	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" NO. 2	FOOT	5,740
JS817218	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/2" NO. 3/0	FOOT	405
JS821003	TEMPORARY LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	2
JS821100	LUMINAIRE, LED, HORIZONTAL MOUNT	EACH	4
JS828002	LIGHTING CONTROLLER FOUNDATION, TYPE B	EACH	1
JS830003	GROUND MOUNTED LIGHT POLE, ALUMINUM, 50 FT., 15 FT. MAST ARM	EACH	6
JS830030	TEMPORARY WOOD POLE, 60 FT., CLASS 4	EACH	5
JS830034	TEMPORARY WOOD POLE, 70 FT., CLASS 3, 15 FT. MAST ARM	EACH	2
JS836001	LIGHT POLE FOUNDATION (ROADWAY) STEEL HELIX (7 FT) OR CONCRETE	EACH	6
JS842085	REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE	EACH	2
JS842105	POLE FOUNDATION, REMOVED	EACH	2
JS845013	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
JS846001	MAINTAIN LIGHTING SYSTEM	L SUM	1
JT821010	REMOVE EXISTING LUMINAIRE, POLE MOUNTED	EACH	2
JT825110	UPGRADE EXISTING LIGHTING CONTROLLER	EACH	1
X8950077	REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER	EACH	1

GENERAL NOTES:

1. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO PERFORMING ANY EXCAVATION.
2. ALL NEW CONDUITS, UNIT DUCTS, AND APPURTENANCES ARE INDICATED DIAGRAMMATICALLY ON THE PLANS. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH THE APPROVAL OF THE ENGINEER.
3. NO UNDERGROUND SPLICES WILL BE PERMITTED.
4. THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS.
5. THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS AMEND AND SUPERCEDE THE LATEST PROVISIONS OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ARE APPLICABLE TO ALL WORK WITHIN ILLINOIS TOLLWAY JURISDICTION.
6. ALL PROPOSED ILLINOIS TOLLWAY ROADWAY LIGHTING WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ILLINOIS TOLLWAY GUIDELINES FOR ROADWAY ILLUMINATION.
7. THE CONTRACTOR SHALL ASSUME MAINTENANCE OF A GIVEN LIGHTING CONTROLLER PRIOR TO BEGINNING WORK ON ANY POLES CONNECTED TO THE CONTROLLER, AND SHALL RETAIN MAINTENANCE UNTIL ALL WORK ASSOCIATED WITH POLES POWERED BY THE CONTROLLER IS COMPLETE. MULTIPLE MAINTENANCE TRANSFERS WILL NOT BE GRANTED.
8. THE ELECTRICAL MATERIALS SHALL BE NEW AND OF THE TYPE AND KINDS APPROVED BY THE FOLLOWING ORGANIZATIONS:
 -NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
 -INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
 -ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA
 -U.S. DEPARTMENT OF TRANSPORTATION
 -AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
 -UNDERWRITERS LABORATORIES
 -AMERICAN NATIONAL STANDARDS INSTITUTE
9. AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO THEIR ORIGINAL CONDITION. THE COST OF RESTORATION SHALL BE INCLUDED IN THE RELEVANT PAY ITEM.
10. ELECTRIC CABLES IN EXISTING CONDUIT SHALL BE REMOVED AND PAID FOR AS "REMOVE ELECTRIC CABLE FROM CONDUIT" (89502300), UNLESS OTHERWISE NOTED. THE CONDUIT SHALL BE ABANDONED IN PLACE, UNLESS OTHERWISE NOTED.
11. THE CONTRACTOR SHALL STAGE THE REMOVAL OF EXISTING CABLE FROM CONDUIT SUCH THAT THE EXISTING LIGHTING SYSTEM REMAINS FULLY OPERATIONAL, PER THE PLANS.
12. DISCONNECT EXISTING POWER FEED IN LIGHT POLE HANDHOLE PRIOR TO MAKING FINAL CONNECTION TO TEMPORARY AERIAL CABLE.
13. CONDUIT SLEEVES UNDER PAVEMENT SHALL EXTEND 5 FEET BEYOND THE EDGE OF PAVED SURFACE.
14. LUMINAIRE SHALL BE FURNISHED WITH A SURGE PROTECTION DEVICE LOCATED WITHIN THE POLE HANDHOLE IN ACCORDANCE WITH THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS AND ILLINOIS TOLLWAY STANDARD DRAWING H2. THIS WORK IS INCLUDED IN THE PRICE OF THE "LUMINAIRE, LED, HORIZONTAL MOUNT" (JS821100) PAY ITEM FOR A NEW LUMINAIRE OR "REMOVE EXISTING LUMINAIRE, POLE MOUNTED" (JT821010) FOR A RELOCATED LUMINAIRE.
15. SETBACKS OF PROPOSED UNSHIELDED LIGHT POLES SHALL BE PER ILLINOIS TOLLWAY STANDARD DRAWING H1. PLACEMENT OF LIGHT POLES BEHIND GUARDRAIL SHALL BE PER ILLINOIS TOLLWAY STANDARD DRAWING H1.
16. WHERE STEEL HELIX FOUNDATIONS ARE USED, VOIDS IN FOUNDATIONS SHALL BE FILLED WITH FINE AGGREGATE IN ACCORDANCE WITH THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS.
17. LIGHT POLE HANDHOLES SHALL BE LOCATED SUCH THAT WORKERS ACCESSING THE HANDHOLE FACE ONCOMING TRAFFIC.
18. UNLESS NOTED, GRADING AROUND ALL NEW UNSHIELDED LIGHT POLES MUST CONFORM TO ILLINOIS TOLLWAY STANDARD DRAWING H1. THE COST OF GRADING WORK AND MATERIAL NECESSARY FOR CONFORMANCE WILL BE PAID FOR UNDER EARTH WORK ITEMS.

ILLINOIS TOLLWAY STANDARDS

- H1-08 LIGHT STANDARD FOUNDATION
- H2-07 LIGHT STANDARD DETAILS
- H4-04 HEAVY-DUTY HANDHOLE AND BURIED WIRING DETAILS
- H7-03 EXTERIOR CONTROL CONSOLE FOUNDATION DETAILS
- H17-00 MAST ARM CABLE ASSEMBLY (SINGLE MAST ARM)

ABBREVIATIONS	
ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CNC	COILABLE NONMETALLIC CONDUIT
CT	CURRENT TRANSFORMER
CP	CONTROL PANEL
DIA.	DIAMETER
E	EXISTING UNIT TO REMAIN
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HMLT	HIGH MAST LIGHT TOWER
HPS	HIGH PRESSURE SODIUM
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LED	LIGHT EMITTING DIODE
M	METER
M.A.	MAST ARM
M.H.	MOUNTING HEIGHT
NO. #	NUMBER
N.T.S.	NOT TO SCALE
PVC	POLYVINYL CHLORIDE
RGC	RIGID GALVANIZED CONDUIT
STA	STATION
T	TEMPORARY LIGHTING UNIT

DRAWN BY BKB
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DATE 3-12-2020
SCALE NONE

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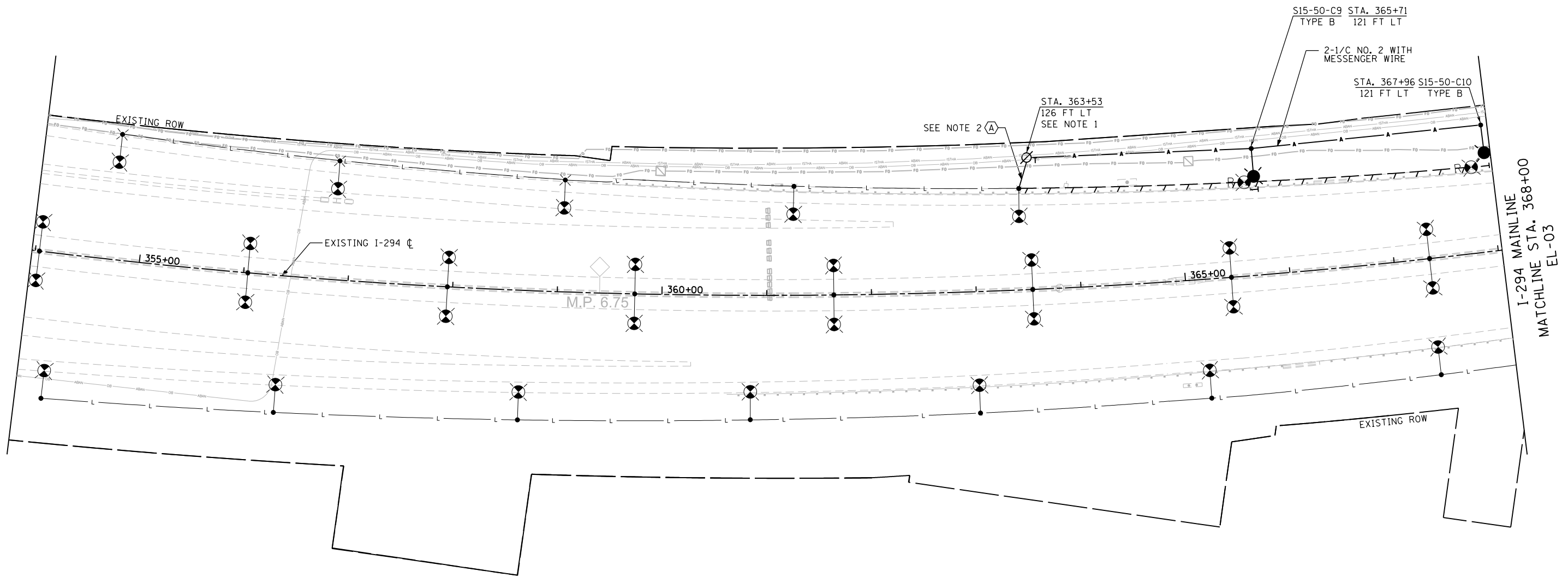
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
TOLLWAY LIGHTING LEGEND AND SCHEDULE OF QUANTITIES

SHEET EL-01 OF 34
210 OF 606

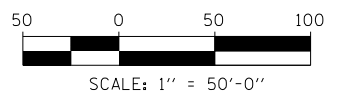
NOTES:

1. THE CONTRACTOR SHALL FURNISH AND INSTALL AN APPROPRIATELY SIZED CABLE GUARD TO THE PROPOSED WOOD POLE TO SPLICE AERIAL CONDUCTORS TO UNDERGROUND CONDUCTORS. THE CONTRACTOR SHALL SECURE THE CABLE GUARD TO THE WOOD POLE WITH APPROPRIATELY SIZED STRAPS. THIS WORK IS INCLUDED IN THE PRICE OF THE WOOD POLE.
2. TEMPORARY LIGHTING UNITS SHALL BE FED FROM THE EXISTING LIGHTING CONTROLLER LOCATED AT RAMP B OF THE 159TH STREET INTERCHANGE.



TOLLWAY CONDUIT TAGS

TAG	DESCRIPTION
(A)	2" DIA. CNC CONDUIT WITH 4-1/C NO. 2, 1-1/C NO. 4 GND



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DATE . 3-12-2020
SCALE . . 1"=50'

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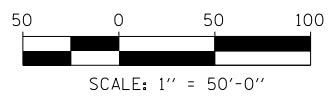
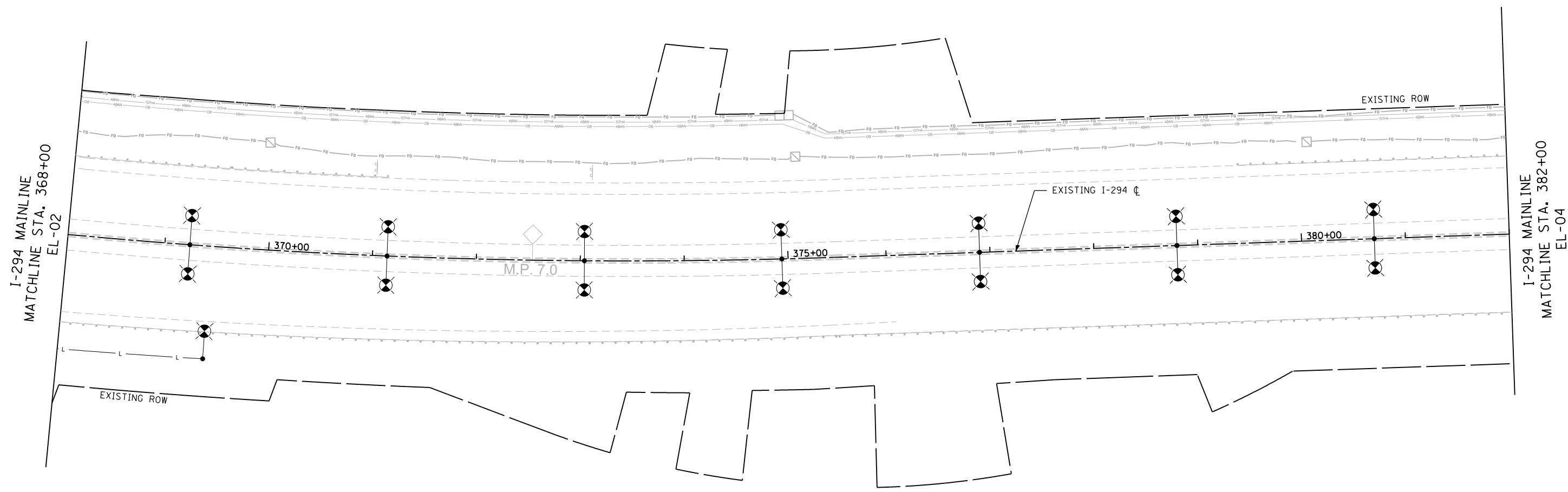
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
TEMPORARY TOLLWAY LIGHTING AND REMOVAL PLAN

SHEET EL-02 OF 34
211 OF **606**



NO LIGHTING WORK
ON THIS SHEET



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2/27/2020

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DATE . 3-12-2020
 SCALE . . 1"=50'

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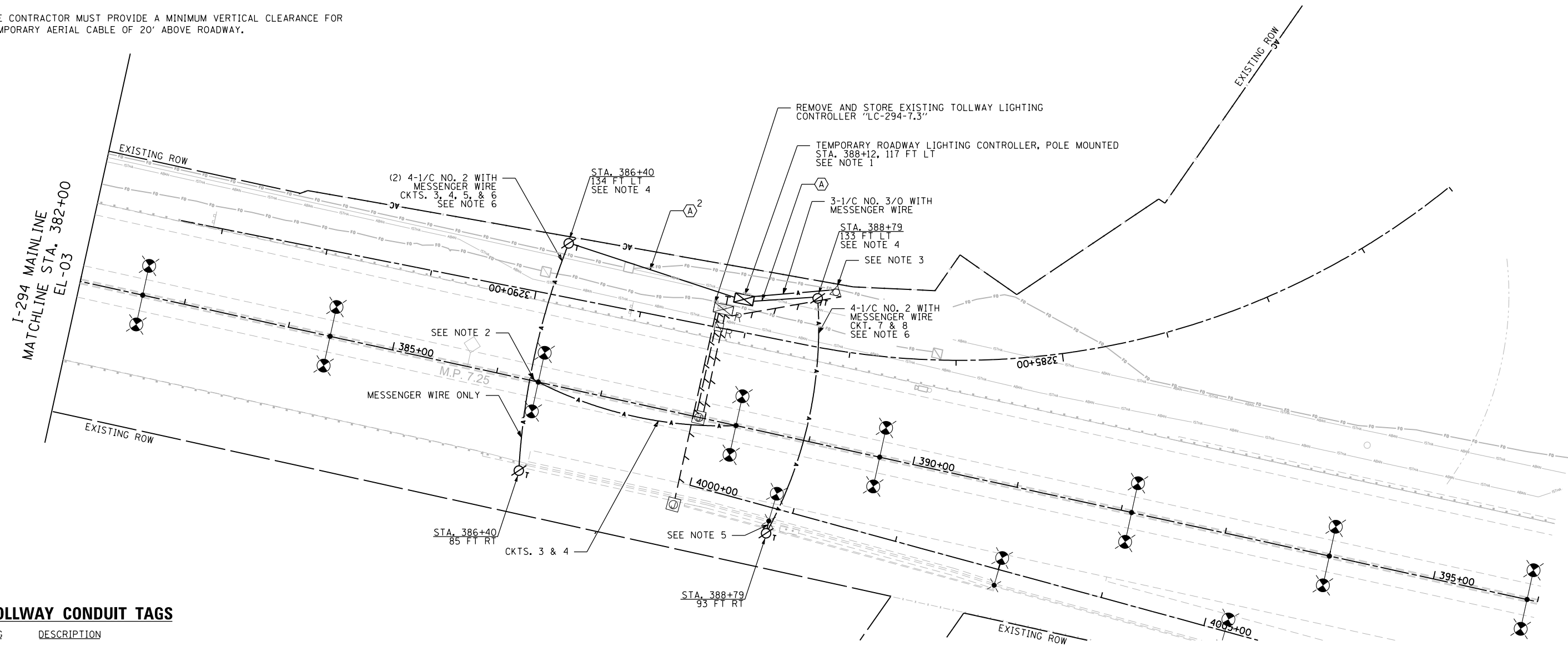
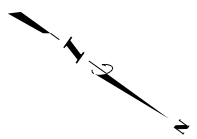
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 TEMPORARY TOLLWAY LIGHTING
 AND REMOVAL PLAN

SHEET EL-03 OF 34
 212 OF 606

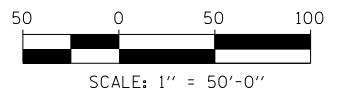
NOTES:

1. FURNISH AND INSTALL A TEMPORARY LIGHTING CONTROLLER TO MAINTAIN EXISTING LIGHTING VIA AERIAL CABLE, AS SHOWN ON PLAN DURING CONSTRUCTION. THE COST OF FURNISHING, INSTALLING, AND REMOVING THE TEMPORARY LIGHTING CONTROLLER IS INCLUDED IN THE PRICE OF THE "LIGHTING CONTROLLER, POLE MOUNTED, 480VOLT, 60AMP" (82500320) PAY ITEM.
2. THE CONTRACTOR SHALL ROUTE CABLES TO EXISTING LIGHTING UNIT AT STA. 386+40.
3. THE CONTRACTOR SHALL COORDINATE WITH COMED FOR TEMPORARY SERVICE CONNECTION. ANY COMED CHARGES ASSOCIATED WITH THE TEMPORARY SERVICE CONNECTION SHALL BE PAID FOR AS SPECIFIED IN SECTION 804 OF THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS. THIS WORK IS INCLUDED IN THE PRICE OF THE "MAINTAIN LIGHTING SYSTEM" (JS846001) PAY ITEM.
4. THE CONTRACTOR SHALL FURNISH AND INSTALL AN APPROPRIATELY SIZED CABLE GUARD TO THE PROPOSED WOOD POLE TO SPLICE AERIAL CONDUCTORS TO UNDERGROUND CONDUCTORS. THE CONTRACTOR SHALL SECURE THE CABLE GUARD TO THE WOOD POLE WITH APPROPRIATELY SIZED STRAPS. THIS WORK IS INCLUDED IN THE PRICE OF THE WOOD POLE.
5. THE CONTRACTOR SHALL ROUTE CABLES TO EXISTING LIGHTING UNIT AT STA. 4000+80.
6. THE CONTRACTOR MUST PROVIDE A MINIMUM VERTICAL CLEARANCE FOR TEMPORARY AERIAL CABLE OF 20' ABOVE ROADWAY.



TOLLWAY CONDUIT TAGS

TAG	DESCRIPTION
(A)	2" DIA. CNC CONDUIT WITH 4-1/C NO. 2, 1-1/C NO. 4 GND



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DATE . 3-12-2020
SCALE . . 1"=50'

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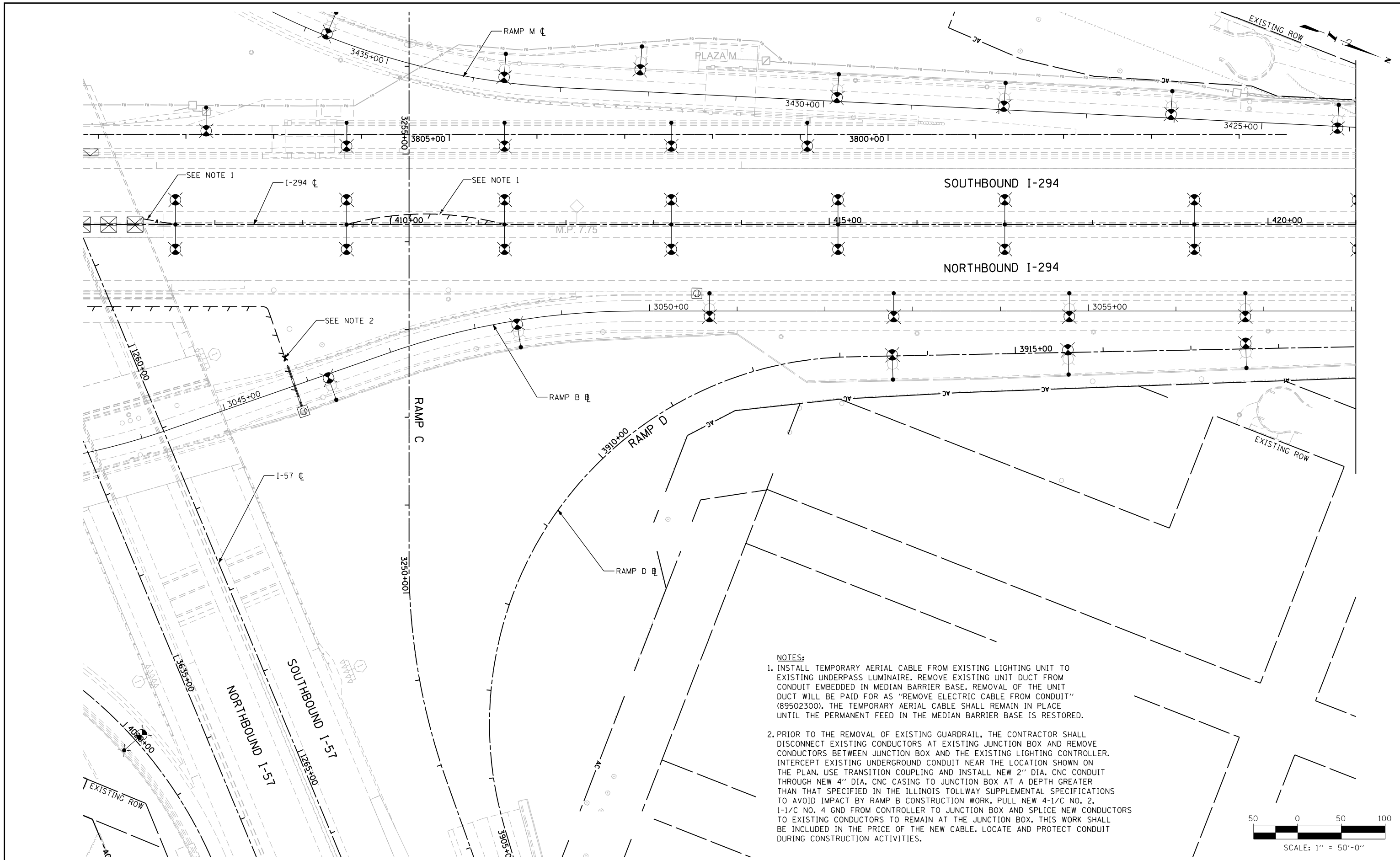


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2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS	
NO.	DESCRIPTION

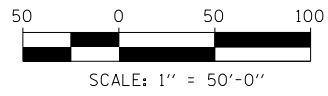
CONTRACT I-19-4495
TEMPORARY TOLLWAY LIGHTING
AND REMOVAL PLAN

SHEET EL-04 OF 34
213 OF **606**



NOTES:

1. INSTALL TEMPORARY AERIAL CABLE FROM EXISTING LIGHTING UNIT TO EXISTING UNDERPASS LUMINAIRE. REMOVE EXISTING UNIT DUCT FROM CONDUIT EMBEDDED IN MEDIAN BARRIER BASE. REMOVAL OF THE UNIT DUCT WILL BE PAID FOR AS "REMOVE ELECTRIC CABLE FROM CONDUIT" (89502300). THE TEMPORARY AERIAL CABLE SHALL REMAIN IN PLACE UNTIL THE PERMANENT FEED IN THE MEDIAN BARRIER BASE IS RESTORED.
2. PRIOR TO THE REMOVAL OF EXISTING GUARDRAIL, THE CONTRACTOR SHALL DISCONNECT EXISTING CONDUCTORS AT EXISTING JUNCTION BOX AND REMOVE CONDUCTORS BETWEEN JUNCTION BOX AND THE EXISTING LIGHTING CONTROLLER. INTERCEPT EXISTING UNDERGROUND CONDUIT NEAR THE LOCATION SHOWN ON THE PLAN. USE TRANSITION COUPLING AND INSTALL NEW 2" DIA. CNC CONDUIT THROUGH NEW 4" DIA. CNC CASING TO JUNCTION BOX AT A DEPTH GREATER THAN THAT SPECIFIED IN THE ILLINOIS TOLLWAY SUPPLEMENTAL SPECIFICATIONS TO AVOID IMPACT BY RAMP B CONSTRUCTION WORK. PULL NEW 4-1/C NO. 2, 1-1/C NO. 4 GND FROM CONTROLLER TO JUNCTION BOX AND SPLICE NEW CONDUCTORS TO EXISTING CONDUCTORS TO REMAIN AT THE JUNCTION BOX. THIS WORK SHALL BE INCLUDED IN THE PRICE OF THE NEW CABLE. LOCATE AND PROTECT CONDUIT DURING CONSTRUCTION ACTIVITIES.



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SCALE 1"=50'

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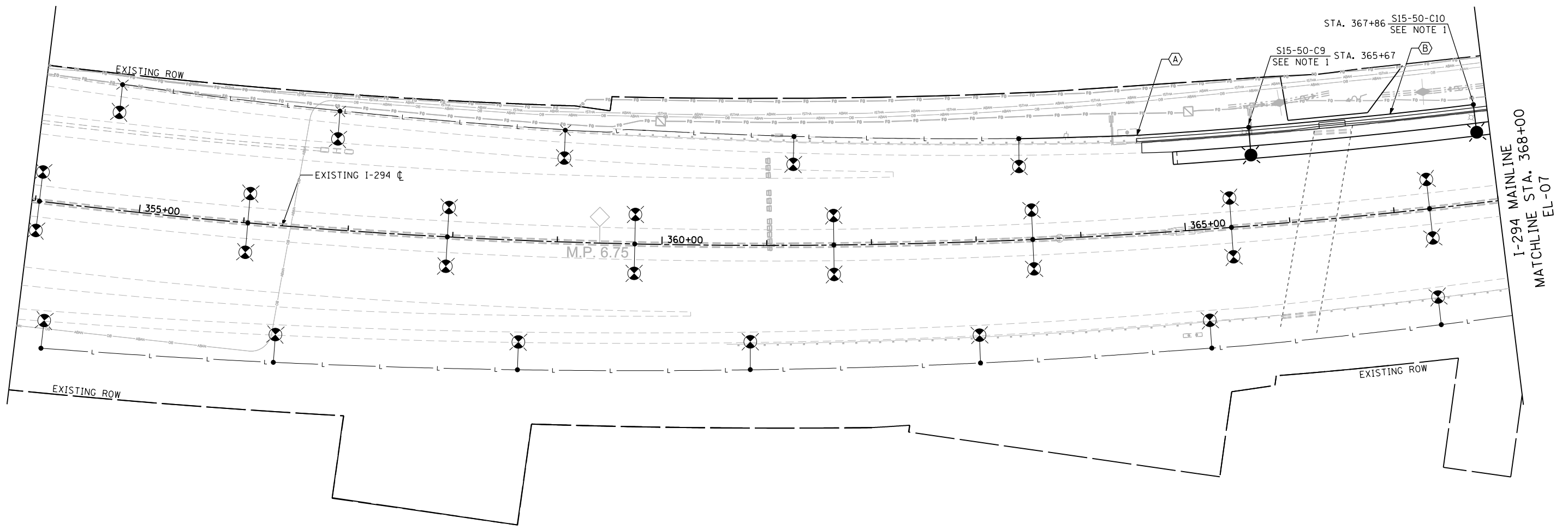
REVISIONS	
NO.	DESCRIPTION

CONTRACT I-19-4495
TEMPORARY TOLLWAY LIGHTING
AND REMOVAL PLAN

SHEET EL-05 OF 34
214 OF **606**

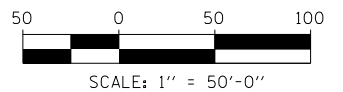
NOTES:

1. RELOCATE EXISTING LED LUMINAIRE TO NEW LIGHTING UNIT. THIS WORK IS INCLUDED IN THE PRICE OF THE "REMOVE EXISTING LUMINAIRE, POLE MOUNTED" PAY ITEM (JT821010).



TOLLWAY CONDUIT TAGS

TAG	DESCRIPTION
(A)	2" DIA. UNIT DUCT WITH 4-1/C NO. 2, 1-1/C NO. 4 GND
(B)	2" DIA. UNIT DUCT WITH 2-1/C NO. 2, 1-1/C NO. 4 GND



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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495

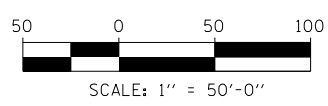
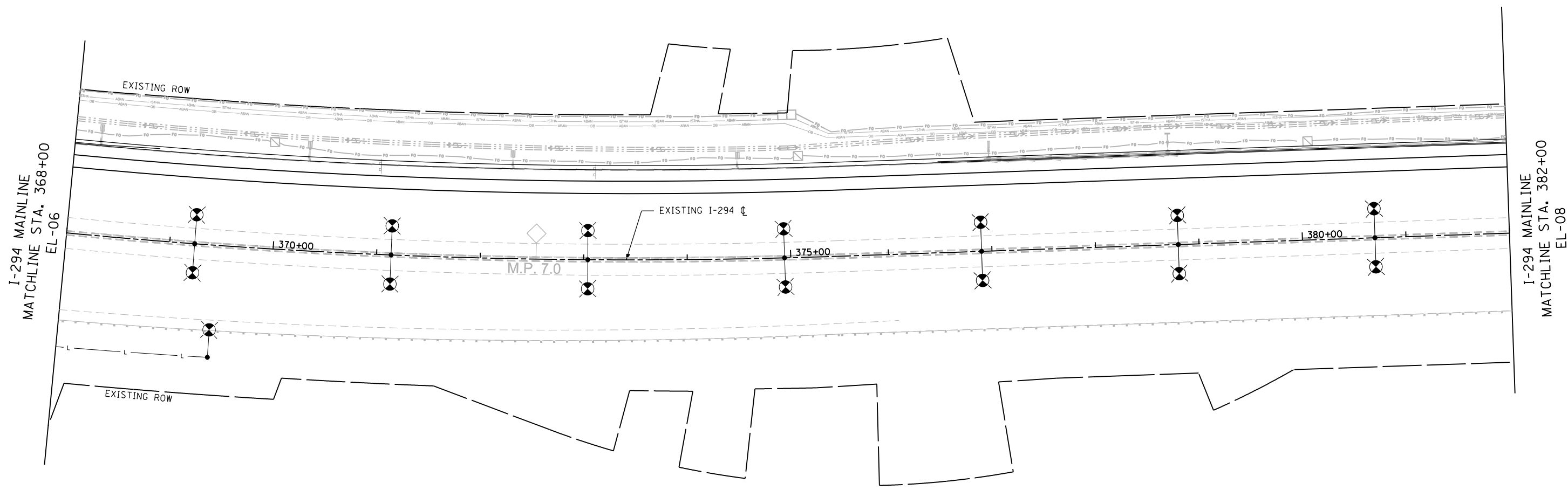
PROPOSED TOLLWAY
LIGHTING PLAN

SHEET EL-06 OF 34

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NO LIGHTING WORK
ON THIS SHEET



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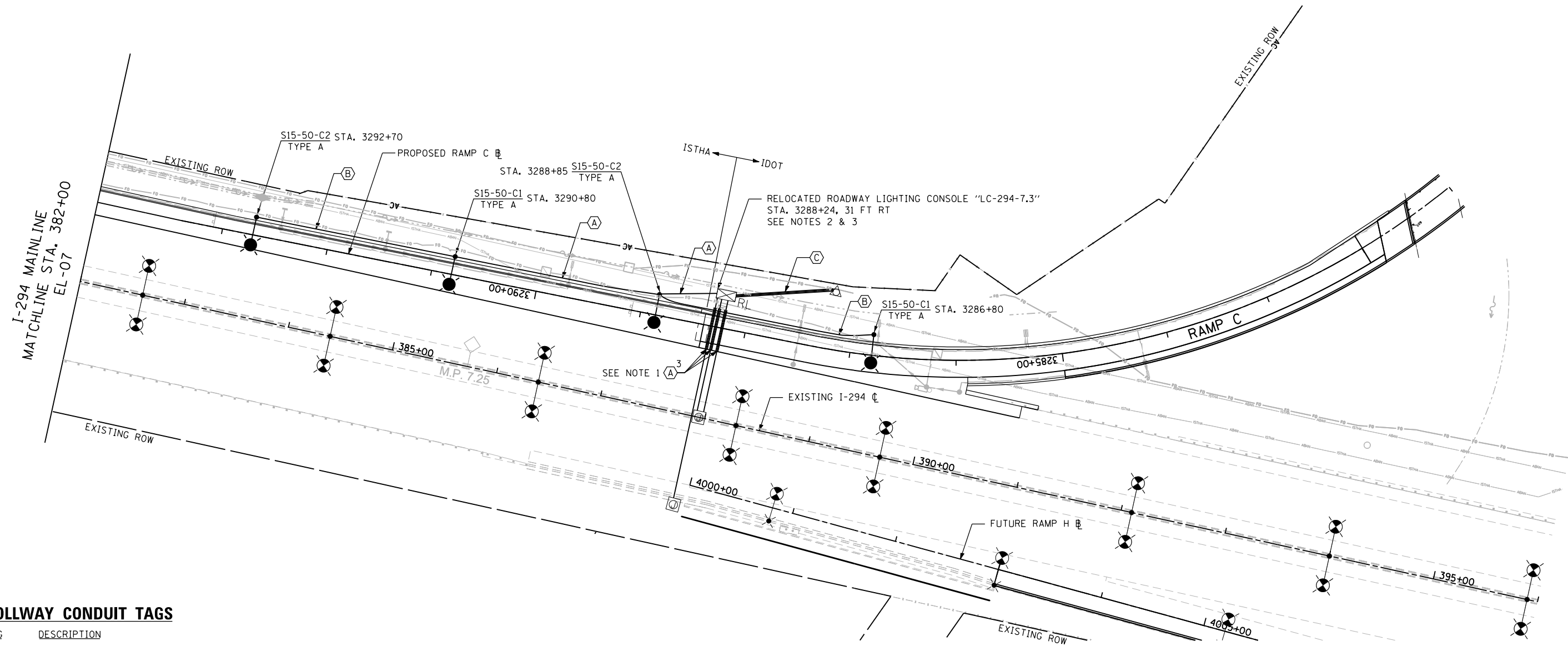
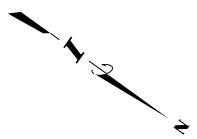
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
PROPOSED TOLLWAY
LIGHTING PLAN

SHEET EL-07 OF 34
216 OF **606**

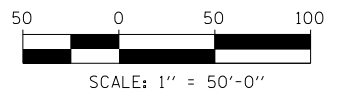
NOTES:

1. INTERCEPT EXISTING CONDUIT CASING UNDER THE MAINLINE PAVEMENT WITH NEW 4" DIA. CNC CASING. UNIT DUCT TO BE INSTALLED IN NEW AND EXISTING CONDUIT CASING. SPLICE NEW UNIT DUCT CONDUCTORS TO EXISTING CONDUCTORS TO REMAIN IN THE EXISTING JUNCTION BOX. THE COST OF THIS WORK IS INCLUDED IN THE PRICE OF THE NEW UNIT DUCT.
2. RELOCATE EXISTING TOLLWAY LIGHTING CONTROLLER TO NEW FOUNDATION.
3. SEE SHEET EL-10 FOR LIGHTING CONTROLLER UPGRADE DETAIL. THIS WORK WILL BE PAID FOR AS "UPGRADE EXISTING LIGHTING CONTROLLER" (JT825110).



TOLLWAY CONDUIT TAGS

TAG	DESCRIPTION
(A)	2" DIA. UNIT DUCT WITH 4-1/C NO. 2, 1-1/C NO. 4 GND
(B)	2" DIA. UNIT DUCT WITH 2-1/C NO. 2, 1-1/C NO. 4 GND
(C)	3" DIA. PVC CONDUIT WITH 3-1/C NO. 3/0



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DATE . . . 3-12-2020 . . .
SCALE . . . 1"=50' . . .

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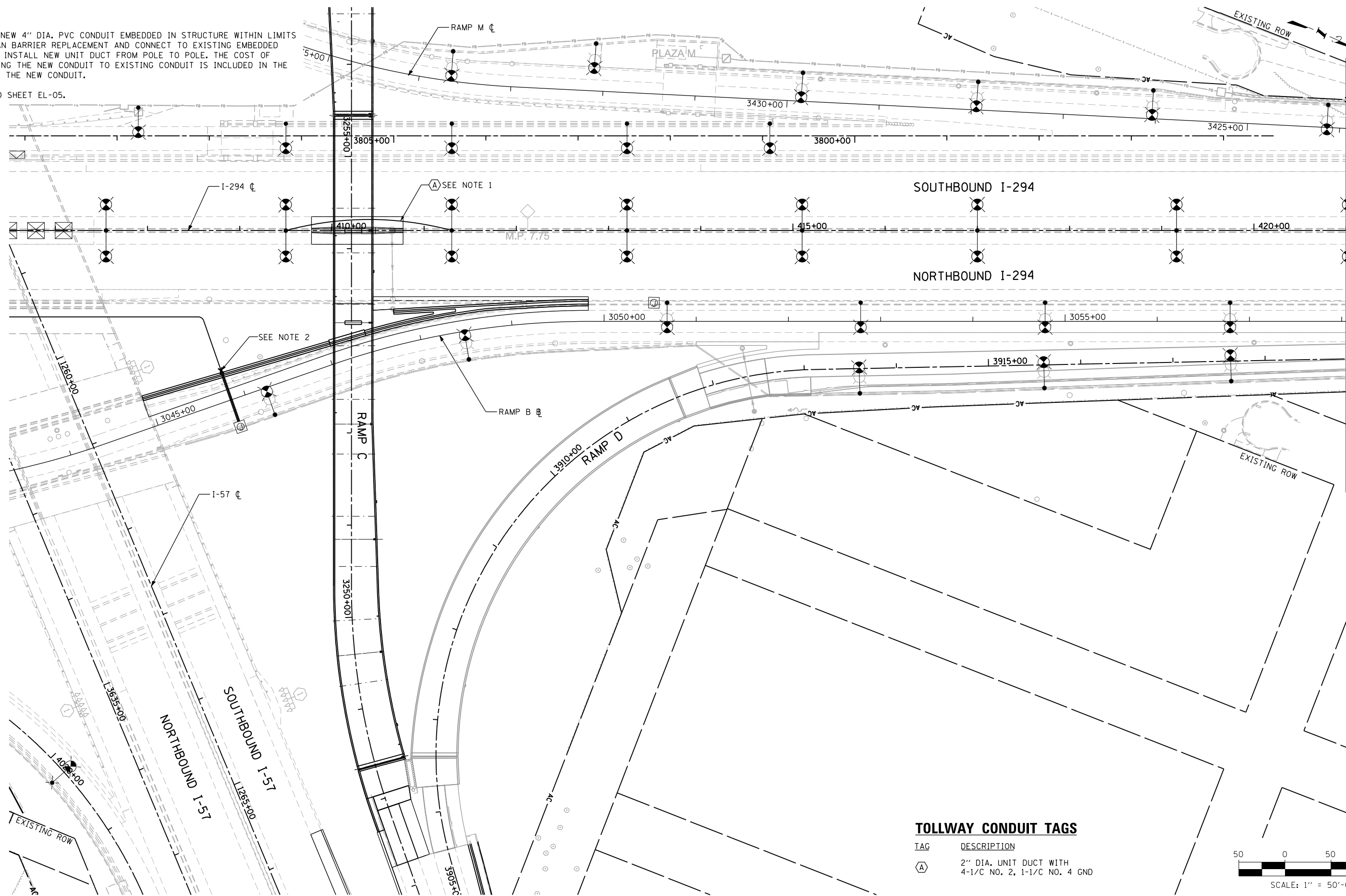
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
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REVISIONS	
NO.	DATE

CONTRACT I-19-4495	SHEET EL-08 OF 34
PROPOSED TOLLWAY LIGHTING PLAN	217 OF 606

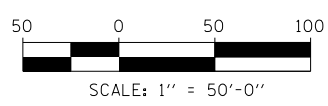
NOTES:

1. INSTALL NEW 4" DIA. PVC CONDUIT EMBEDDED IN STRUCTURE WITHIN LIMITS OF MEDIAN BARRIER REPLACEMENT AND CONNECT TO EXISTING EMBEDDED CONDUIT. INSTALL NEW UNIT DUCT FROM POLE TO POLE. THE COST OF CONNECTING THE NEW CONDUIT TO EXISTING CONDUIT IS INCLUDED IN THE PRICE OF THE NEW CONDUIT.
2. REFER TO SHEET EL-05.



TOLLWAY CONDUIT TAGS

TAG	DESCRIPTION
(A)	2" DIA. UNIT DUCT WITH 4-1/C NO. 2, 1-1/C NO. 4 GND



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REVISIONS	
NO.	DESCRIPTION

CONTRACT I-19-4495
 PROPOSED TOLLWAY LIGHTING PLAN

SHEET EL-09 OF 34
218 OF **606**

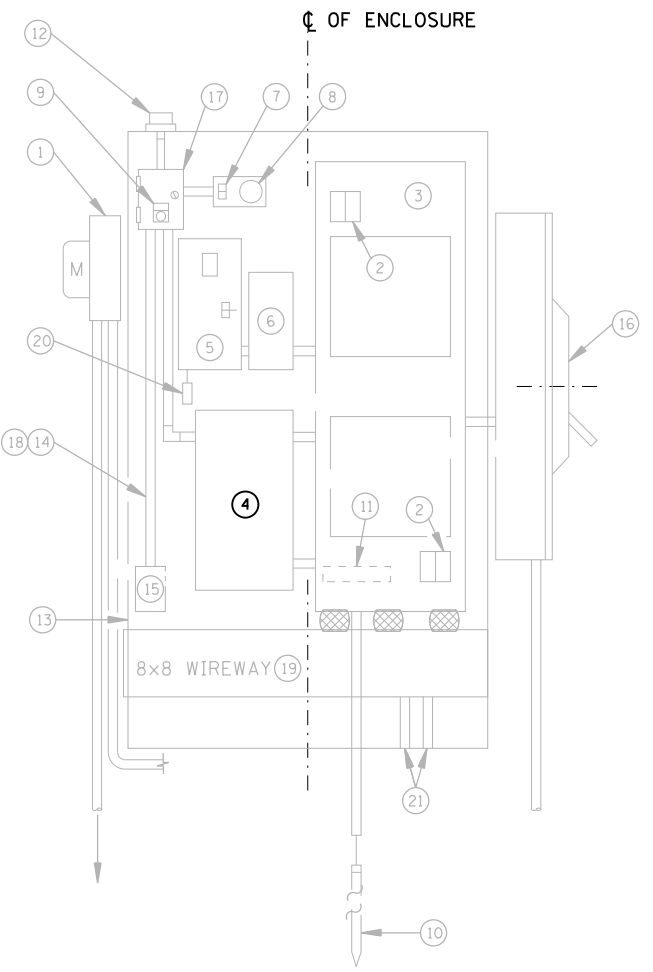
BILL OF MATERIAL (REFERENCE ONLY)

NOTES:

- 1. ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND THE NATIONAL ELECTRICAL SAFETY CODE.

ITEM DESCRIPTION

- ① METER HOUSING
- ② SECONDARY SURGE ARRESTERS, 2 POLE, 600 VOLT.
- ③ MAIN PANELBOARD IN A NEMA 1 ENCLOSURE, 480/240 VOLT, 1 PHASE, 3 WIRE, 2 SECTION, 200 AMP, 2 POLE MAIN CIRCUIT BREAKER 65,000 AMPERES SYMMETRICAL INTERRUPTING CAPACITY WITH CIRCUIT BREAKERS PER SCHEDULE ON PLANS. DOOR HINGES ON RIGHT SIDE.
- ④ LIGHTING CONTACTOR, 480 VOLT, 200 AMP, 2 POLE, 120 VOLT CONTROL, WITH RELAY FOR 2 WIRE CONTROL, ONE NORMALLY OPEN AND ONE NORMALLY CLOSED AUXILIARY CONTACTS, CONTROL LINE FUSE, IN A NEMA 1 ENCLOSURE.
- ⑤ SECONDARY BREAKER, 15 AMPERE TRIP, 120 VOLT, SINGLE POLE, 65,000 AMPERES SYMMETRICAL INTERRUPTING CAPACITY IN A NEMA 1 SURFACE MOUNTED ENCLOSURE.
- ⑥ STEP DOWN TRANSFORMER, 1500 VA, 480 VOLT PRIMARY, 120 VOLT SECONDARY, SINGLE PHASE, 60 HERTZ, DRY TYPE, NEMA 3R ENCLOSURE.
- ⑦ SINGLE POLE, 15 AMPERE SWITCH, IN A NEMA 1 ENCLOSURE (WITH ITEM 8), RATED AT 120-277 VAC.
- ⑧ LAMP HOLDER 660W, 600V, MOUNTED ON A NEMA 1 ENCLOSURE (WITH ITEM 7), W/LED LAMP.
- ⑨ HAND-OFF-AUTO SELECTOR SWITCH WITH LEGEND PLATE. MOUNTED IN THE COVER OF ITEM 17.
- ⑩ 5/8" DIA. x 10'-0" GROUND ROD, IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DRIVEN EXTERNAL TO THE FOUNDATION.
- ⑪ GROUND BUS MOUNTED IN PANELBOARD ENCLOSURE.
- ⑫ PHOTO ELECTRIC CONTROL SWITCH, WITH RECEPTACLE.
- ⑬ NEMA TYPE 3R STAINLESS STEEL ENCLOSURE WITH DRIP SHIELD AND STAINLESS STEEL HARDWARE. ENCLOSURE SHALL CONFORM TO J.I.C. STANDARDS WITH CELLULAR NEOPRENE GASKETED DOORS, ALL SEAMS CONTINUOUSLY WELDED, 10 GAUGE STAINLESS STEEL BODY, REMOVABLE STEEL PAINTED WHITE) PANEL INSIDE THE BACK AND A FACTORY INSTALLED DRIP SHIELD. THE ENCLOSURE SHALL HAVE CONTINUOUS HINGED DOORS MEETING IN THE CENTER, OVERLAPPED AND GASKETED, WITH NO CENTERPOST. AN OIL TIGHT KEY LOCKING HANDLE WITH 3 POINT LATCH SHALL BE PROVIDED (FURNISH 6 KEYS). EACH END OF THE ENCLOSURE SHALL HAVE A SCREENED, GASKETED VENTILATING LOUVER AND THE TOP OF THE ENCLOSURE SHALL HAVE A VENTILATOR. INTERNAL CONDUIT SHALL HAVE LOCKNUTS, INSULATING BUSHING AND CONDULET FITTINGS AS REQUIRED. INTERNAL WIRING SHALL BE XLP INSULATED NEC TYPE RHH/RHW-2. PROVIDE A WIRING DIAGRAM IN A PRINT POCKET ON THE INSIDE OF THE CABINET DOOR.
- ⑭ INTERNAL CONTROL WIRING SHALL BE #12 AWG, STRANDED, XLP INSULATED NEC TYPE RHH/RHW-2 RATED 600 VOLT, WITH SUITABLE COLOR CODING TO BE APPROVED BY THE ENGINEER BEFORE CONSTRUCTION.
- ⑮ 200 WATT, 120 VOLT CABINET HEATER WITH INTEGRAL THERMOSTAT.
- ⑯ SERVICE SAFETY SWITCH, 200 AMP, 600 VOLT, NON-FUSED, NEMA 4X STAINLESS STEEL ENCLOSURE.
- ⑰ NEMA TYPE 1, 8"x6"x4" JUNCTION BOX & COVER WITHOUT KNOCKOUTS. ITEM 9 IS MOUNTED IN THE COVER.
- ⑱ INTERNAL CONDUIT AND FITTINGS SHALL BE 3/4" MINIMUM.
- ⑲ 8"x8" WIREWAY WITH 3-3" NIPPLES.
- ⑳ GFCI OUTLET.
- ㉑ PVC-COATED GALVANIZED STEEL CONDUIT TO HANDHOLE ENCLOSURE.



INTERIOR EQUIPMENT LAYOUT

NEW ITEM

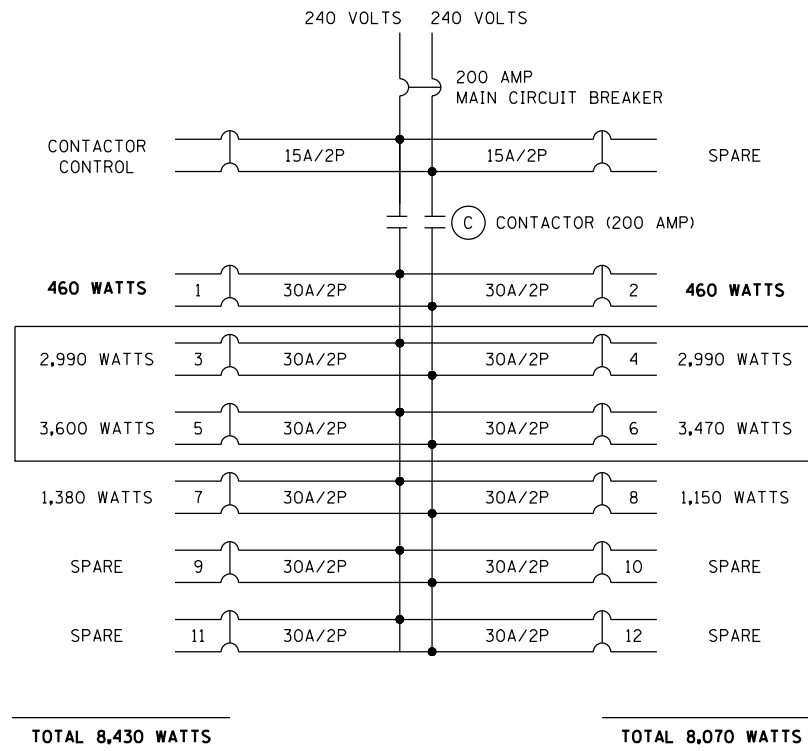
- ④ REPLACE EXISTING LIGHTING CONTACTOR AND RELAY BOARD WITH NEW LIGHTING CONTACTOR ELECTRICALLY HELD, AND RELAY BOARD MOUNTED ON THE SUB PANEL, 200 AMP, 2 POLE, 600 VOLT WITH 240 VOLT COIL.

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CHECKED BY MKR	SCALE NONE			NO. DATE DESCRIPTION	LIGHTING CONTROLLER UPGRADE DETAIL	219 606 OF

NOTES:

1. THE LIGHTING CONTROLLER IS EXISTING. NEW AND/OR REVISED WORK IS DENOTED IN BOLD>.
2. THE CONTRACTOR SHALL PROVIDE A TYPED UPDATED PANEL DIRECTORY INSIDE THE LIGHTING CONTROLLER REFLECTING CHANGES MADE IN THIS CONTRACT.















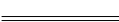

(C) CONTACTOR (200 AMP)

LOAD INFORMATION UPDATED FOR PROPOSED WORK UNDER CONTRACT RR-16-4273 BID PLANS AND THIS CONTRACT. THE CONTRACTOR TO VERIFY THE FINAL CIRCUIT CONFIGURATION AND LOAD INFORMATION.

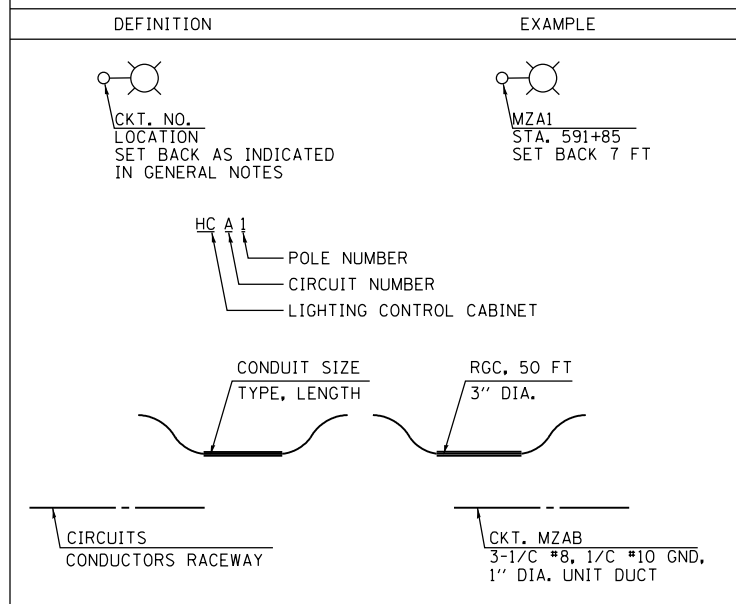
RELOCATED CONTROLLER "LC-294-7.3"
STA. 3288+24

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IDOT LIGHTING LEGEND

-  PROPOSED SINGLE ARM LIGHTING UNIT
47.5' M.H., 15' M.A., 240V LED LUMINAIRE
WITH TRANSFORMER BASE BREAKAWAY DEVICE
-  PROPOSED SINGLE ARM WALL MOUNTED LIGHTING UNIT
47.5' M.H., 8' M.A., 240V LED LUMINAIRE
-  PROPOSED JUNCTION BOX, SIZE AND TYPE AS NOTED PLANS
-  PROPOSED UNIT DUCT OR CABLE, SIZE AND TYPE AS NOTED PLANS
-  EXISTING DUPLEX TYPE LIGHTING CONTROLLER TO REMAIN
-  EXISTING ELECTRIC SERVICE TO REMAIN
-  EXISTING HIGH MAST LIGHT TOWER TO REMAIN
EXISTING HPS HIGH MAST LUMINAIRES TO BE REMOVED, NEW LED
HIGH MAST LUMINAIRES TO BE INSTALLED, 240V (SEE NOTE 9)
-  EXISTING HIGH MAST LIGHT TOWER WITH LED LUMINAIRES TO
REMAIN
-  EXISTING TWIN ARM MEDIAN MOUNTED LIGHTING UNIT WITH HPS
LUMINAIRES TO REMAIN
-  EXISTING TWIN ARM MEDIAN MOUNTED LIGHTING UNIT TO REMAIN
EXISTING HPS LUMINAIRES TO BE REMOVED, NEW LED LUMINAIRES TO BE
INSTALLED, 240V (SEE NOTE 9)
-  EXISTING SINGLE ARM LIGHTING UNIT TO REMAIN
EXISTING HPS LUMINAIRE TO BE REMOVED, NEW LED LUMINAIRE TO BE
INSTALLED, 240V (SEE NOTE 9)
-  EXISTING HPS UNDERPASS LUMINAIRE TO BE REPLACED WITH NEW
LED UNDERPASS LUMINAIRE, 240V (SEE NOTE 9)
-  EXISTING UNDERGROUND CONDUIT CASING TO REMAIN
-  EXISTING ELECTRIC CABLE TO REMAIN

CALL-OUT SAMPLES



GENERAL NOTES

1. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
2. ALL NEW UNIT DUCTS, CONDUITS, JUNCTION BOXES, AND APPURTENANCES ARE ILLUSTRATED DIAGRAMMATICALLY ON THE PLANS. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH THE APPROVAL OF THE ENGINEER.
3. MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES 773-287-7672.
4. LIGHT POLE SETBACKS ARE MEASURED FROM EDGE OF TRAVELED PAVEMENT TO CENTER OF POLE.
5. PROVIDE EXPANSION COUPLINGS IN BRIDGE PARAPET EXPANSION JOINTS PER DISTRICT ONE DETAIL BE-703. THE COST OF THIS WORK IS INCLUDED IN THE PRICE OF THE CONDUIT EMBEDDED IN STRUCTURE.
6. ALL CONDUIT SHALL RUN CONTINUOUS WITHOUT ANY UNDERGROUND SPLICES. SPLICING OF CONDUCTORS WILL BE PERMITTED ONLY IN THE BASE OF THE LIGHTING UNITS, UNLESS NOTED OTHERWISE.
7. ELECTRIC CABLES IN EXISTING CONDUIT TO BE ABANDONED SHALL BE REMOVED AND PAID FOR AS "REMOVE ELECTRIC CABLE FROM CONDUIT." THE CONDUIT SHALL BE ABANDONED IN PLACE, UNLESS OTHERWISE NOTED.
8. THE COST OF THE 2" DIA. STAINLESS STEEL CONDUIT AND 2" DIA. LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT INDICATED ON IDOT HIGHWAY STANDARD 812001, SHALL BE INCLUDED IN THE PRICE OF THE "JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6" (81300550) PAY ITEM.
9. THE REMOVAL OF EXISTING ROADWAY LUMINAIRES SHALL BE INCLUDED IN THE PRICE OF THE "REMOVAL OF LIGHTING UNIT, SALVAGE" (84200500) PAY ITEM AND SHALL BE SALVAGED TO IDOT. THE REMOVAL OF EXISTING HIGH MAST LUMINAIRES SHALL BE INCLUDED IN THE PRICE OF THE "REMOVAL OF HIGH MAST LUMINAIRES, SALVAGE" (X1400190) PAY ITEM AND SHALL BE SALVAGED TO IDOT. THE REMOVAL OF EXISTING UNDERPASS LUMINAIRES SHALL BE INCLUDED IN THE PRICE OF THE "REMOVAL OF UNDERPASS LIGHTING UNIT, SALVAGE" (X8420113) PAY ITEM AND SHALL BE SALVAGED TO IDOT.

IDOT LIGHTING SCHEDULE OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	185
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	3,595
81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	12
81603070	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	480
81603081	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	775
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	3,845
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	11,535
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	66
82110016	LUMINAIRE, LED, HIGHMAST, OUTPUT DESIGNATION I	EACH	170
82110027	LUMINAIRE, LED, UNDERPASS, SUSPENDED, OUTPUT DESIGNATION E	EACH	8
83050760	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 8 FT. MAST ARM	EACH	12
83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	5
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	47.5
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	5
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	49
X1400190	REMOVAL OF HIGH MAST LUMINAIRES, SALVAGE	EACH	170
X8420113	REMOVAL OF UNDERPASS LIGHTING UNIT, SALVAGE	EACH	8
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	66
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	23

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CNC	COILABLE NONMETALLIC CONDUIT
CT	CURRENT TRANSFORMER
CP	CONTROL PANEL
DIA.	DIAMETER
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
FT	FEET OR FOOT
FND MET	FOUNDATION METAL
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HMLT	HIGH MAST LIGHT TOWER
HPS	HIGH PRESSURE SODIUM
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LED	LIGHT EMITTING DIODE
M	METER
M.A.	MAST ARM
M.H.	MOUNTING HEIGHT
NO. #	NUMBER
PVC	POLYVINYL CHLORIDE
RGC	RIGID GALVANIZED STEEL CONDUIT
STA	STATION
T	TEMPORARY LIGHTING UNIT
TB	TRANSFORMER BASE
TMP	TEMPORARY
UD	UNIT DUCT
WP	WOOD POLE
XFMR	TRANSFORMER

IDOT HIGHWAY STANDARDS

812001-01 RACEWAYS EMBEDDED IN STRUCTURE

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DATE . 3-12-2020
SCALE . NONE

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2700 OGDEN AVENUE
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NO.	DATE	DESCRIPTION

CONTRACT I-19-4495

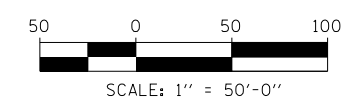
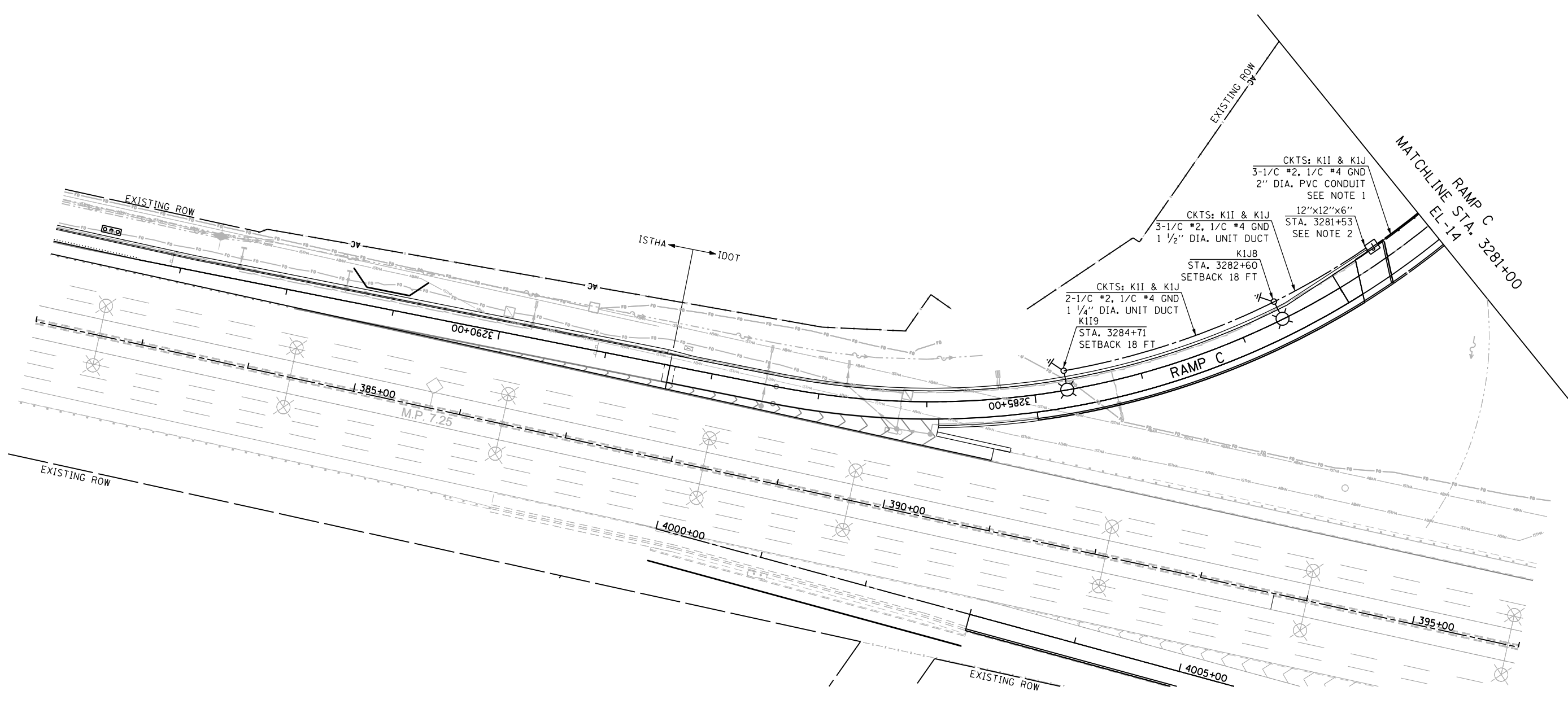
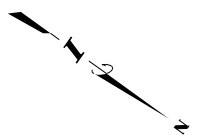
SHEET EL-12 OF 34

IDOT LIGHTING LEGEND AND
SCHEDULE OF QUANTITIES

221 OF 606

NOTES:

- 1. CONDUIT FOR BRIDGE CROSSINGS SHALL BE EMBEDDED IN PARAPET.
- 2. STAINLESS STEEL JUNCTION BOX TO BE ATTACHED TO STRUCTURE.



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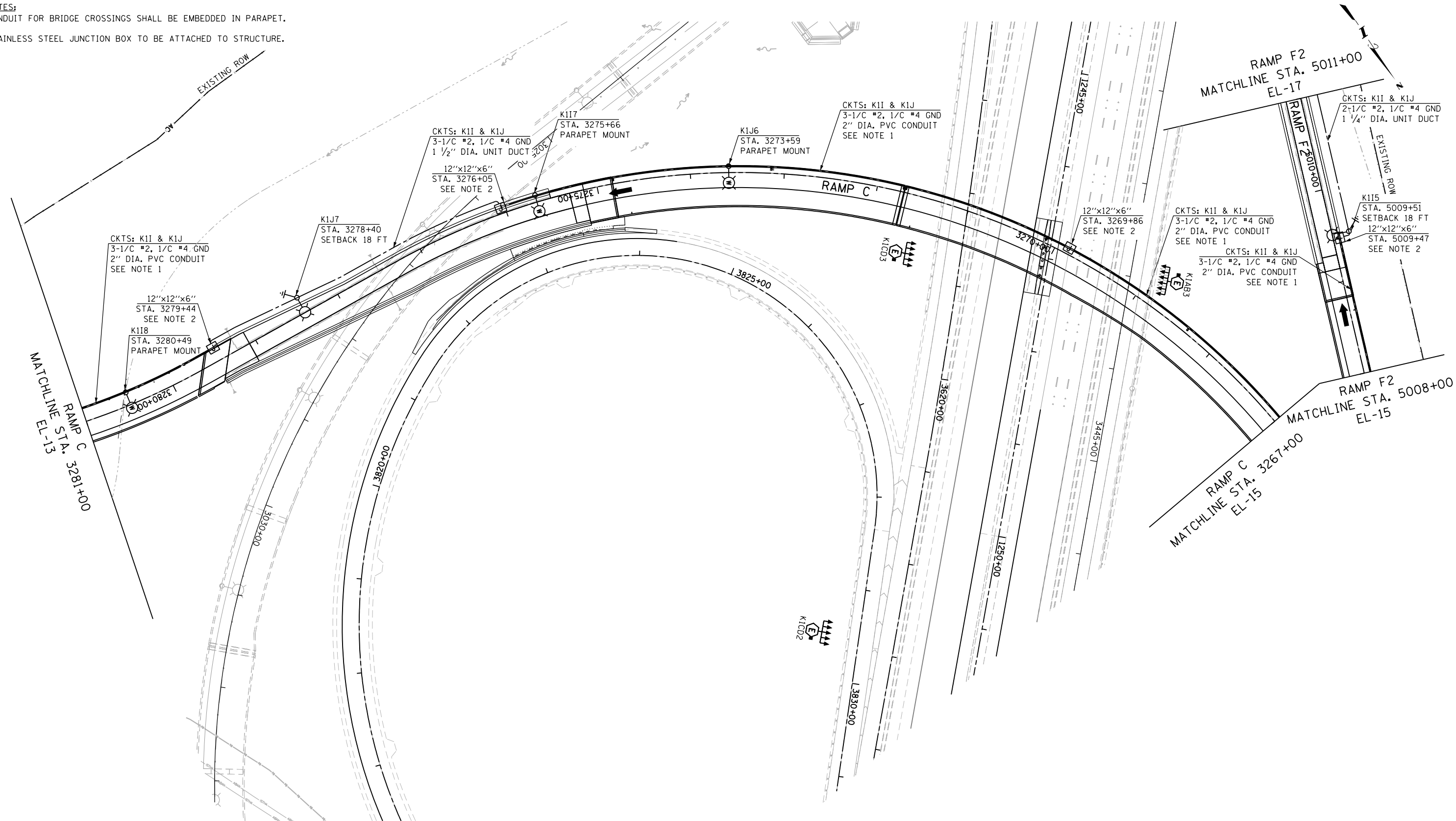
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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495	SHEET EL-13 OF 34
PROPOSED IDOT LIGHTING PLAN	222 OF 606

- NOTES:
 1. CONDUIT FOR BRIDGE CROSSINGS SHALL BE EMBEDDED IN PARAPET.
 2. STAINLESS STEEL JUNCTION BOX TO BE ATTACHED TO STRUCTURE.



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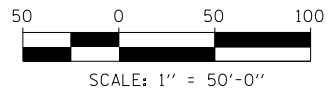
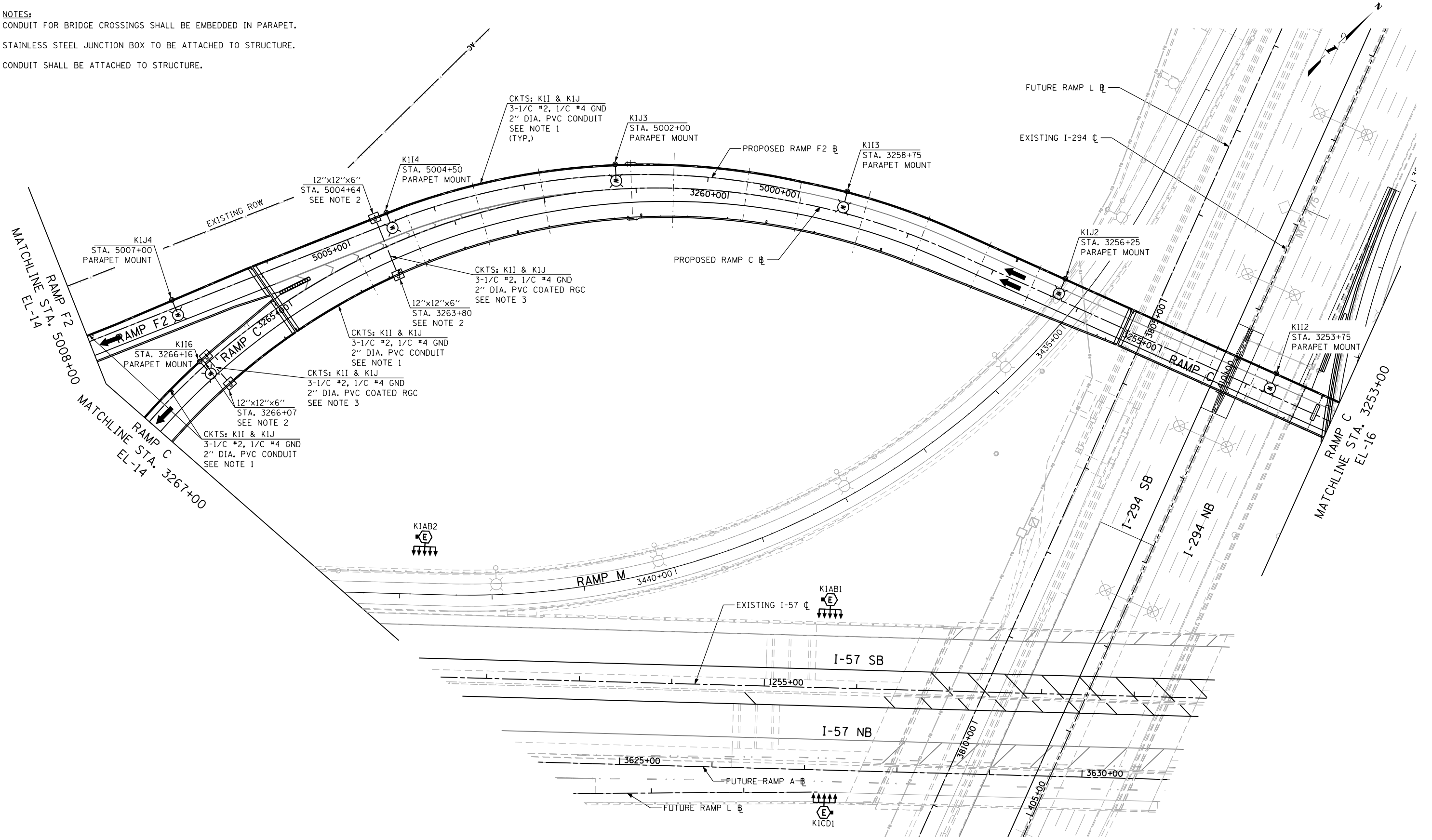
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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 PROPOSED IDOT
 LIGHTING PLAN

SHEET EL-14 OF 34
 223 OF 606

- NOTES:**
1. CONDUIT FOR BRIDGE CROSSINGS SHALL BE EMBEDDED IN PARAPET.
 2. STAINLESS STEEL JUNCTION BOX TO BE ATTACHED TO STRUCTURE.
 3. CONDUIT SHALL BE ATTACHED TO STRUCTURE.



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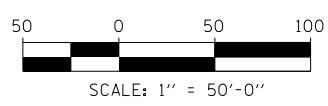
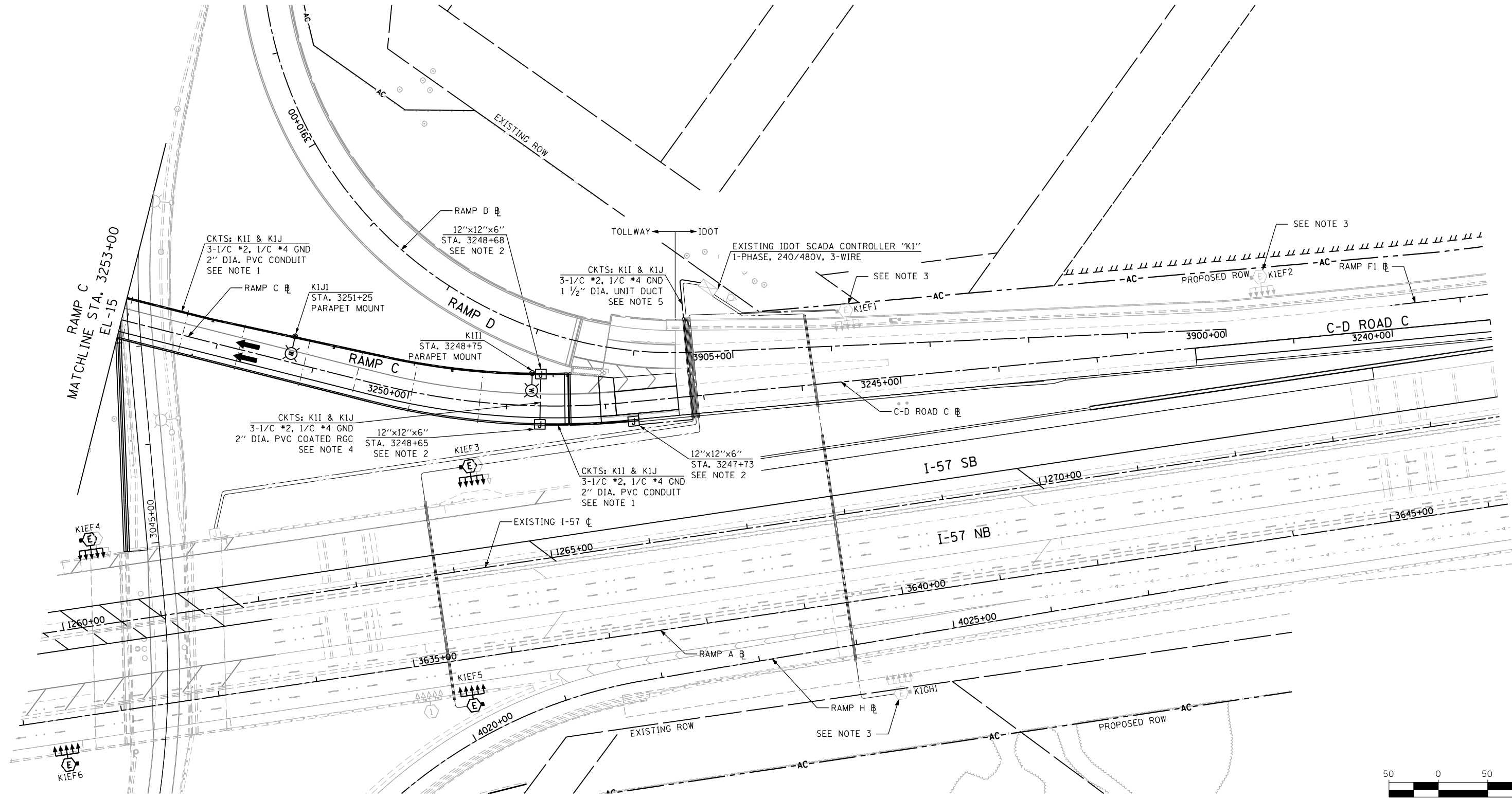
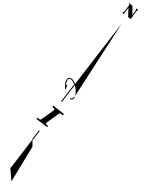
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DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
PROPOSED IDOT LIGHTING PLAN

SHEET EL-15 OF 34
224 OF 606

- NOTES:**
1. CONDUIT FOR BRIDGE CROSSINGS SHALL BE EMBEDDED IN PARAPET.
 2. STAINLESS STEEL JUNCTION BOX TO BE ATTACHED TO STRUCTURE.
 3. EXISTING LED HIGH MAST LUMINAIRES TO REMAIN IN PLACE.
 4. CONDUIT SHALL BE ATTACHED TO STRUCTURE.
 5. NEW UNIT DUCT TO BE INSTALLED THROUGH EXISTING UNDERGROUND CONDUIT CASING INSTALLED UNDER CONTRACT I-19-4464.



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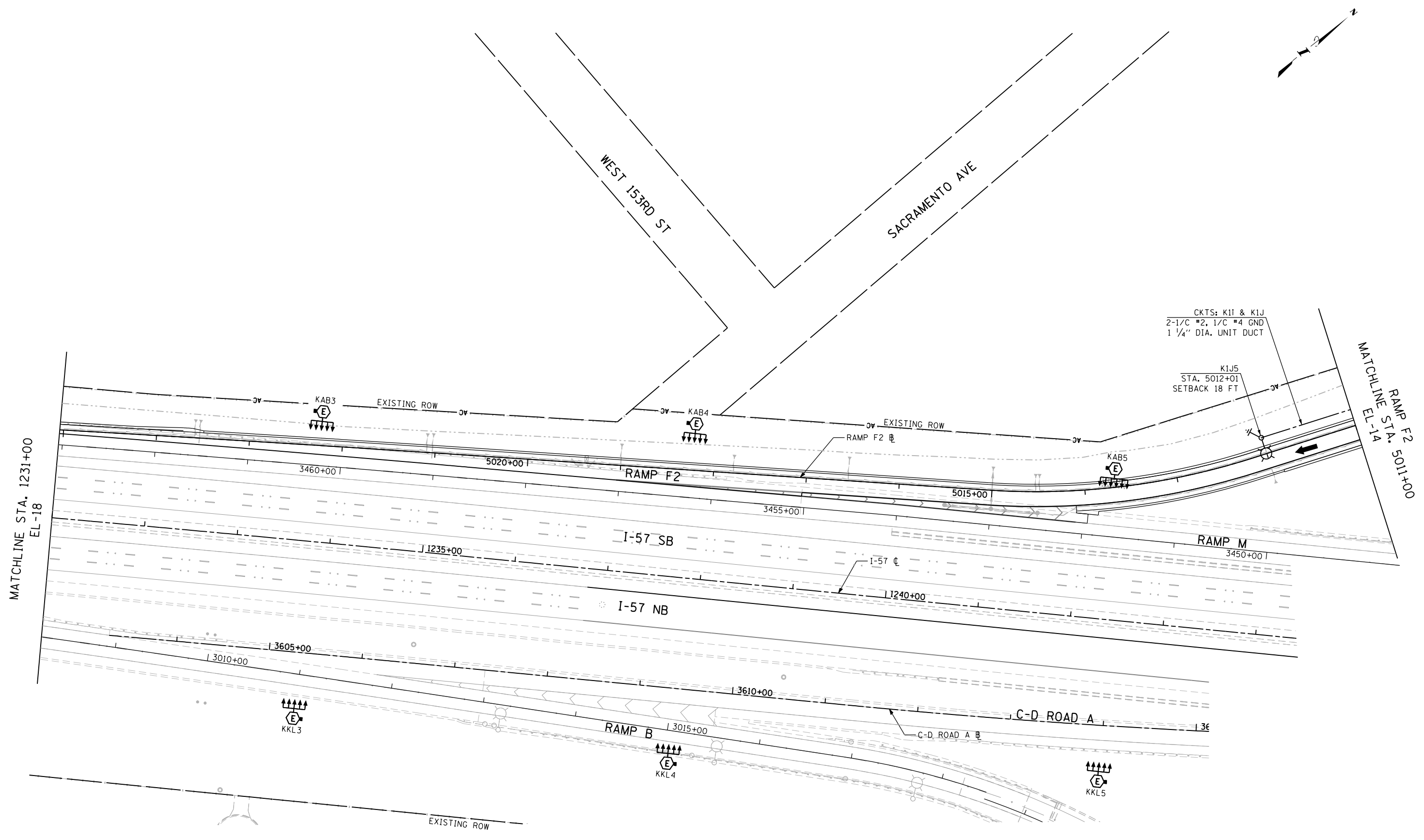
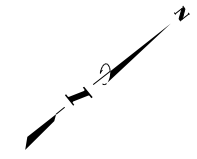
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 CHECKED BY MKR SCALE . . . 1"=50'

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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495 SHEET EL-16 OF 34
 PROPOSED IDOT LIGHTING PLAN 225 OF 606

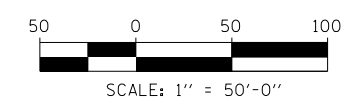


CKTS: K1I & K1J
 2-1/C #2, 1/C #4 GND
 1 1/4" DIA. UNIT DUCT

K1J5
 STA. 5012+01
 SETBACK 18 FT

MATCHLINE STA. 1231+00
EL-18

MATCHLINE STA. 5011+00
RAMP F2



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2/27/2020

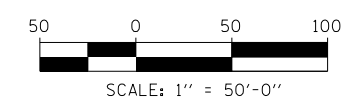
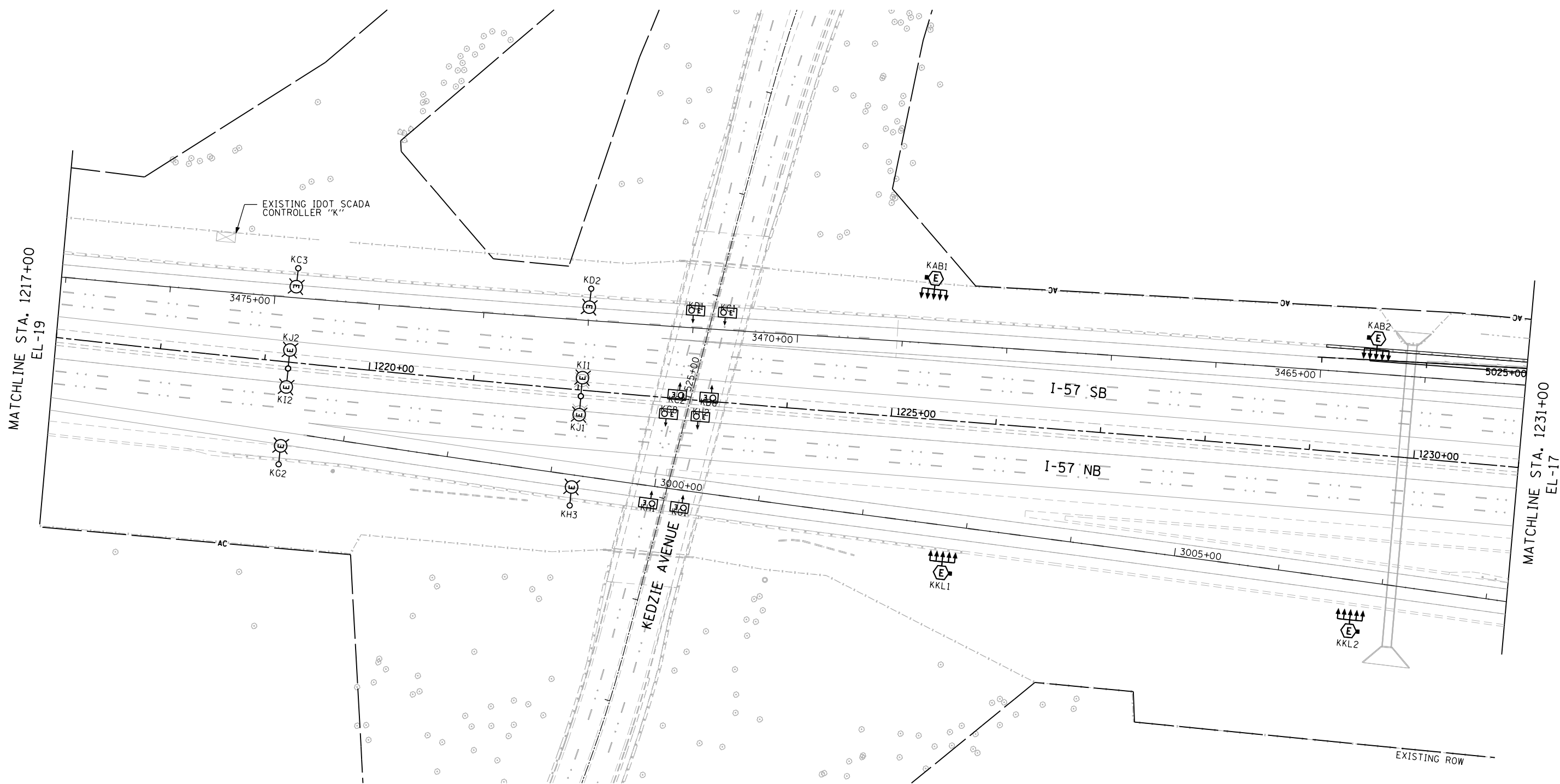
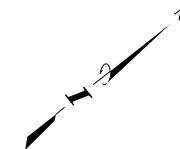
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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 SHEET EL-17 OF 34
 PROPOSED IDOT LIGHTING PLAN
 226 OF 606



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DATE 3-12-2020
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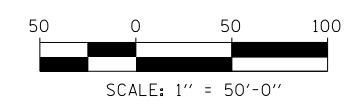
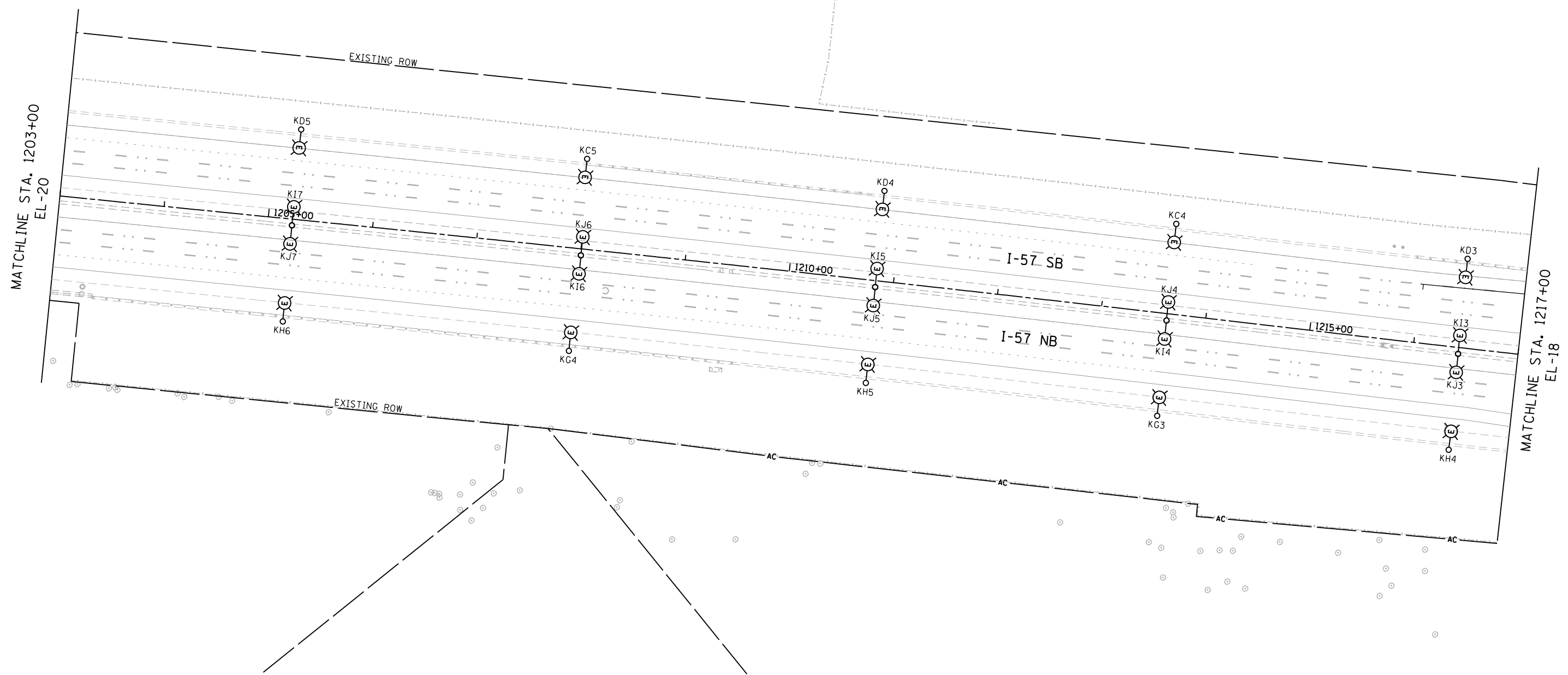
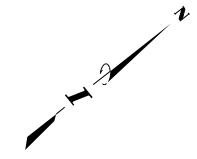
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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
PROPOSED IDOT
LIGHTING PLAN

SHEET EL-18 OF 34
227 OF **606**



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2/27/2020

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DATE . 3-12-2020
SCALE . . 1"=50'

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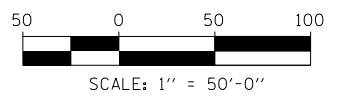
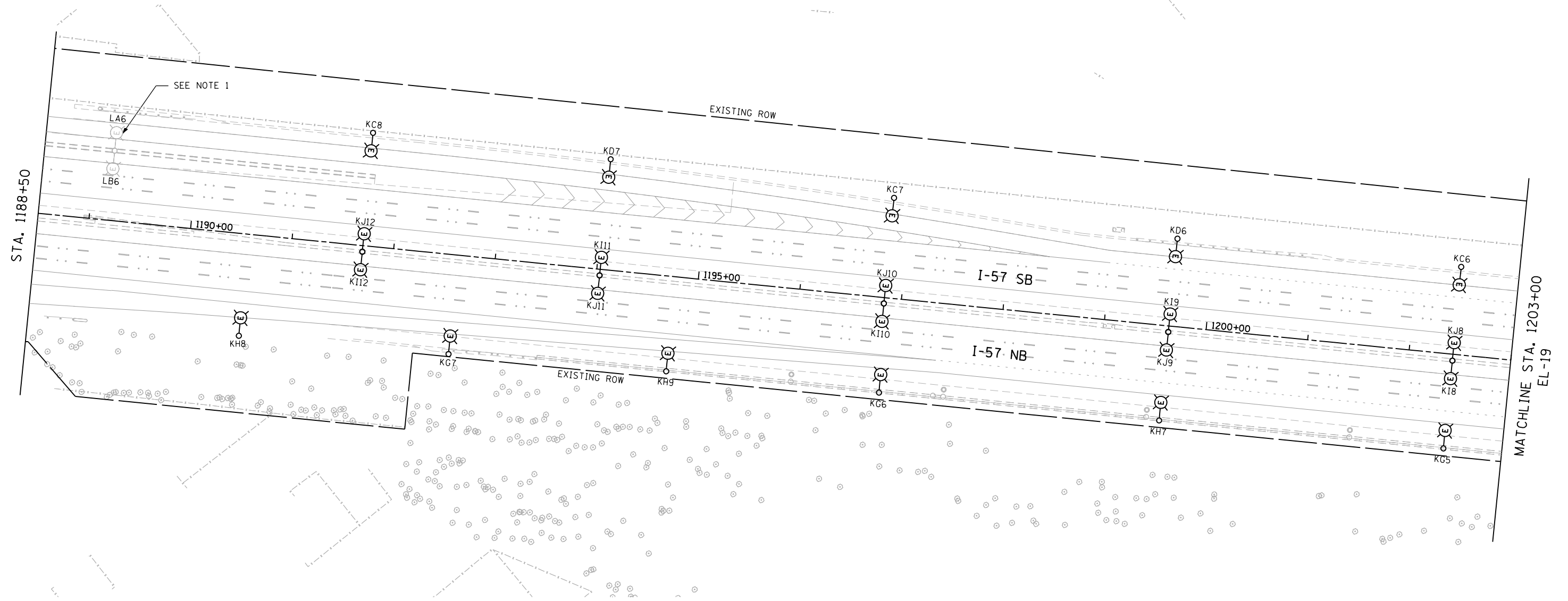
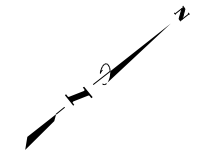
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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
PROPOSED IDOT
LIGHTING PLAN

SHEET EL-19 OF 34
228 OF **606**

NOTES:
 1. EXISTING LIGHTING UNIT WITH HPS LUMINAIRES TO REMAIN
 IN PLACE.



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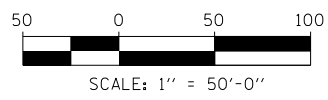
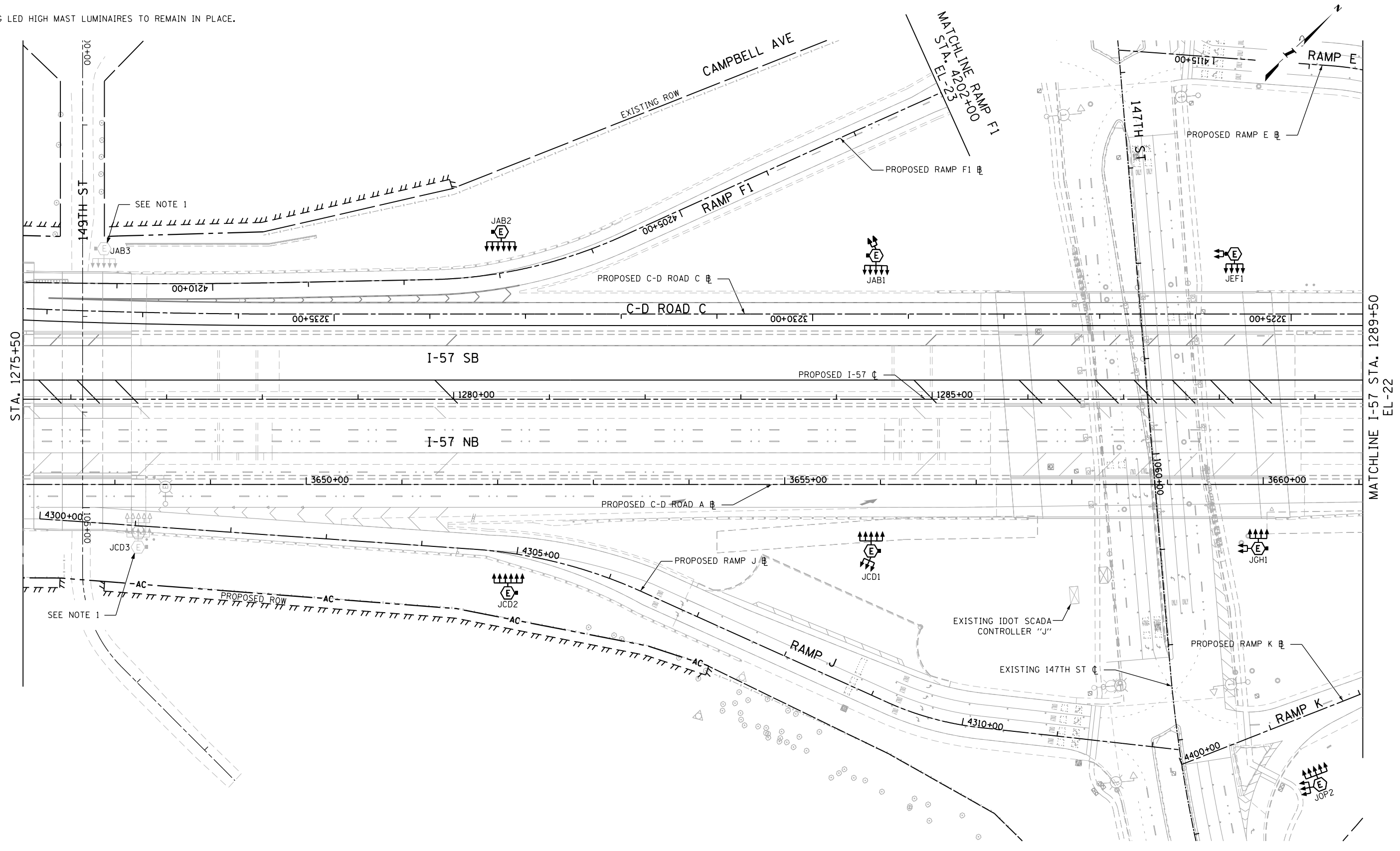
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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 PROPOSED IDOT
 LIGHTING PLAN

SHEET EL-20 OF 34
 229 OF 606

NOTES:
 1. EXISTING LED HIGH MAST LUMINAIRES TO REMAIN IN PLACE.



D:\000095-sha-t-light-081.dgn 2/27/2020

DRAWN BY BKB
 CHECKED BY MKR

DATE 3-12-2020
 SCALE 1"=50'

TranSmart|EJM
 411 South Wells Street Suite 1000
 Chicago, Illinois 60607



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

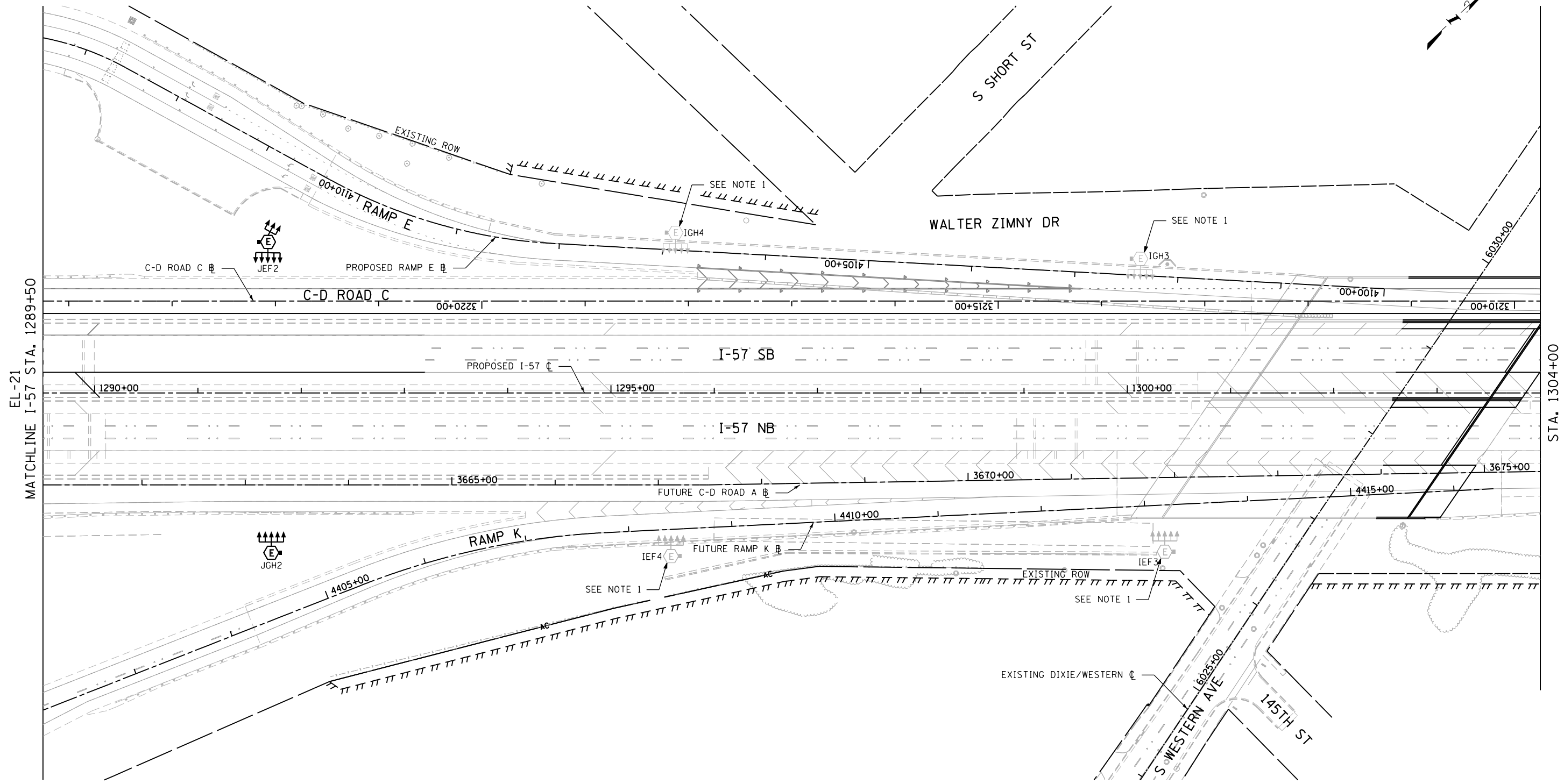
CONTRACT I-19-4495

PROPOSED IDOT LIGHTING PLAN

SHEET EL-21 OF 34

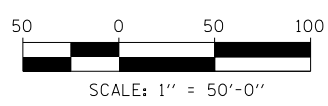
230 OF 606

NOTES:
 1. EXISTING LED HIGH MAST LUMINAIRES TO REMAIN IN PLACE.



EL-21
 MATCHLINE I-57 STA. 1289+50

STA. 1304+00



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 2/27/2020

DRAWN BY BKB
 CHECKED BY MKR

DATE . 3-12-2020
 SCALE . . 1"=50'

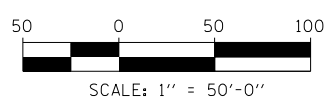
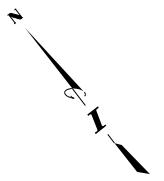
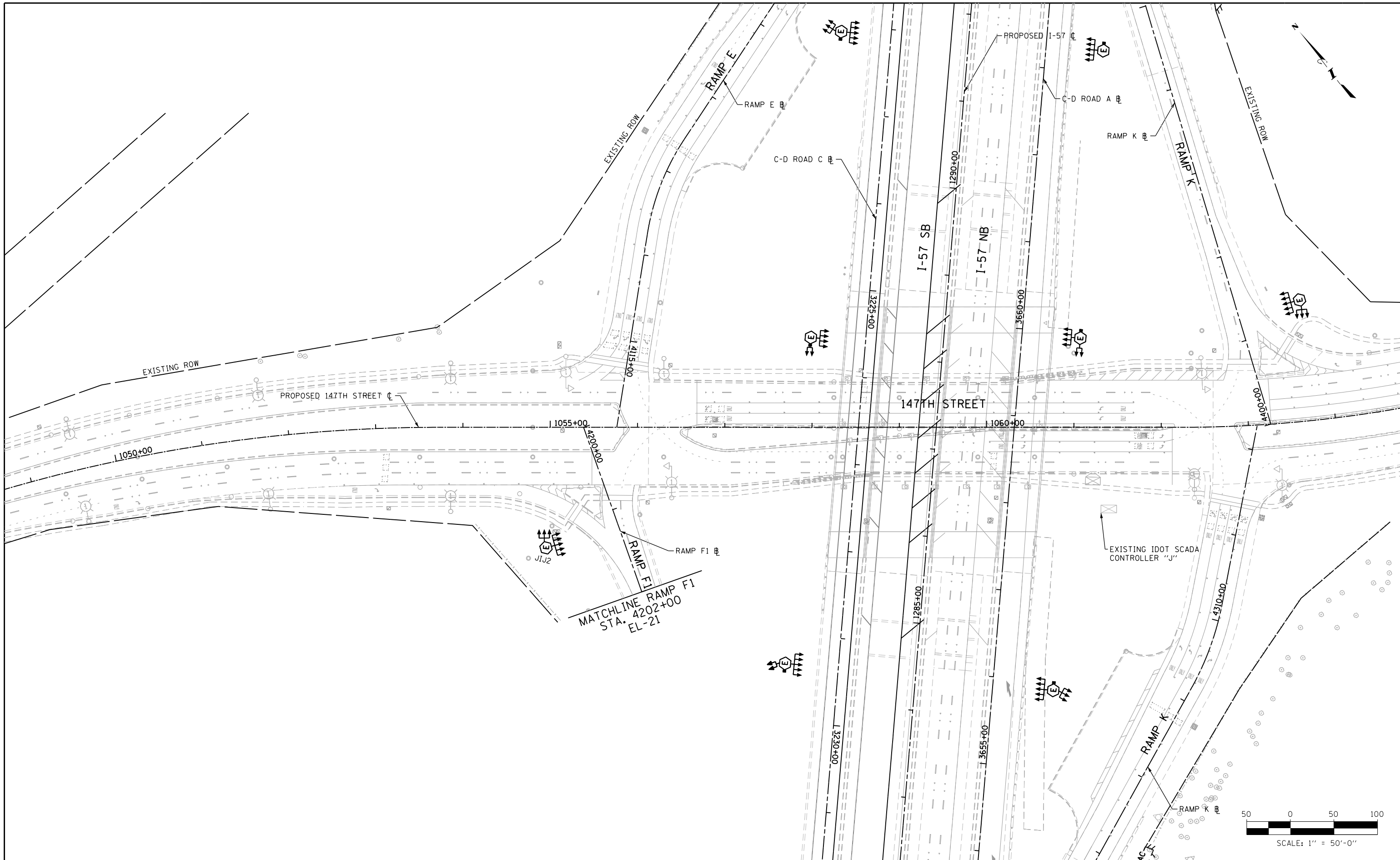
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 Chicago, Illinois 60607

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 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 PROPOSED IDOT
 LIGHTING PLAN

SHEET EL-22 OF 34
231 OF **606**



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2/27/2020

DRAWN BY BKB
CHECKED BY MKR

DATE . 3-12-2020
SCALE . 1" = 50'

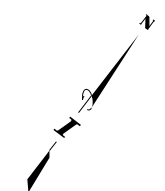
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Chicago, Illinois 60607

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2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515


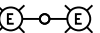




REVISIONS		
NO.	DATE	DESCRIPTION

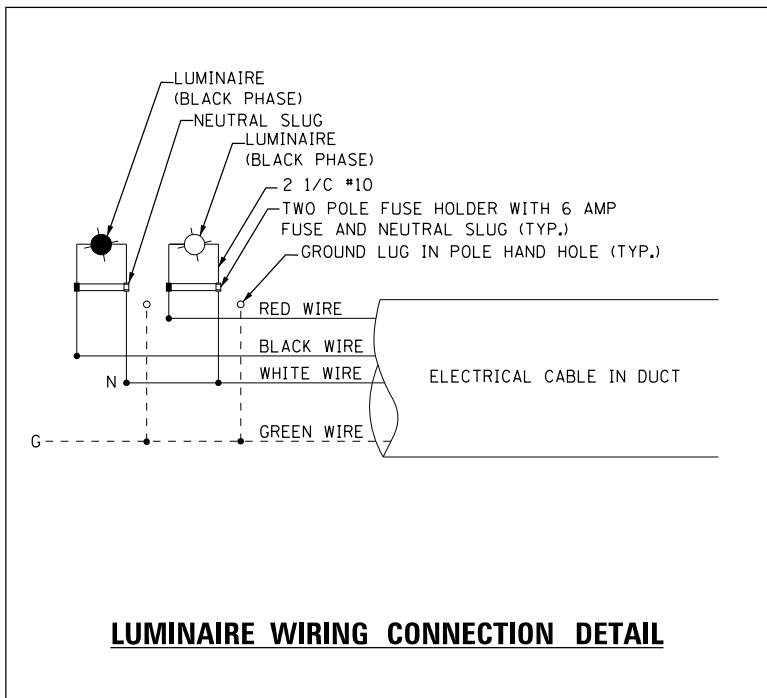
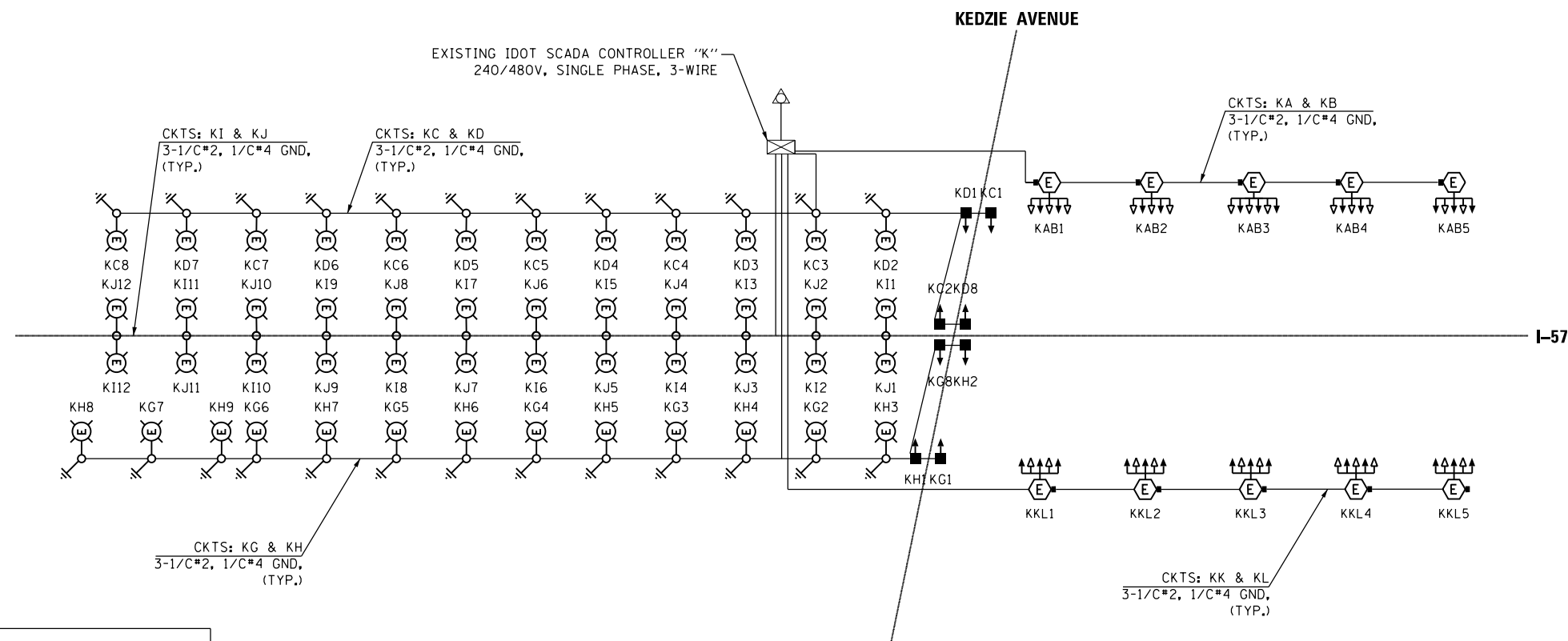
CONTRACT I-19-4495
PROPOSED IDOT LIGHTING PLAN

SHEET EL-23 OF 34
232 OF **606**



LEGEND

-  EXISTING SINGLE ARM LIGHTING UNIT TO REMAIN WITH NEW LED ROADWAY LUMINAIRE, 240V
-  EXISTING TWIN ARM MEDIAN MOUNTED LIGHTING UNIT TO REMAIN WITH NEW LED ROADWAY LUMINAIRE, 240V
-  EXISTING HIGH MAST LIGHT TOWER TO REMAIN WITH NEW LED ROADWAY LUMINAIRE, 240V (OPEN - RED PHASE, SOLID - BLACK PHASE)
-  NEW LED UNDERPASS LUMINAIRE, 240V
-  EXISTING DUPLEX LIGHTING CONTROLLER
-  EXISTING ELECTRIC SERVICE



LOAD TABLE EXISTING IDOT LIGHTING CONTROLLER "K" 2-175A MAIN BREAKERS					
CIRCUIT	RED PHASE (RED CABLE)		CIRCUIT	BLACK PHASE (BLACK CABLE)	
	AMPS	WATTS		AMPS	WATTS
A	13.1	6,300	B	11.3	5,400
C	3.4	1,610	D	3.4	1,610
E			F		
G	3.4	1,610	H	3.8	1,835
I	5.6	2,700	J	5.6	2,700
K	10.3	4,950	L	13.1	6,300
M			N		
O			P		
TOTAL	35.8	17,170	TOTAL	37.2	17,845

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DRAWN BY BKB DATE . 3-12-2020
 CHECKED BY MKR SCALE . NONE

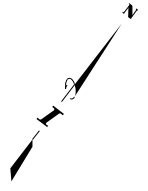
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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515







REVISIONS		
NO.	DATE	DESCRIPTION

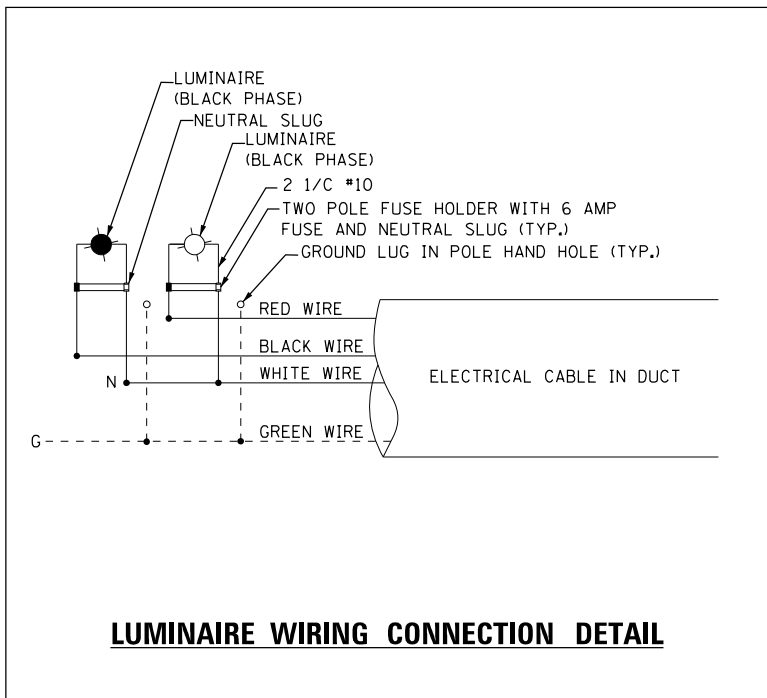
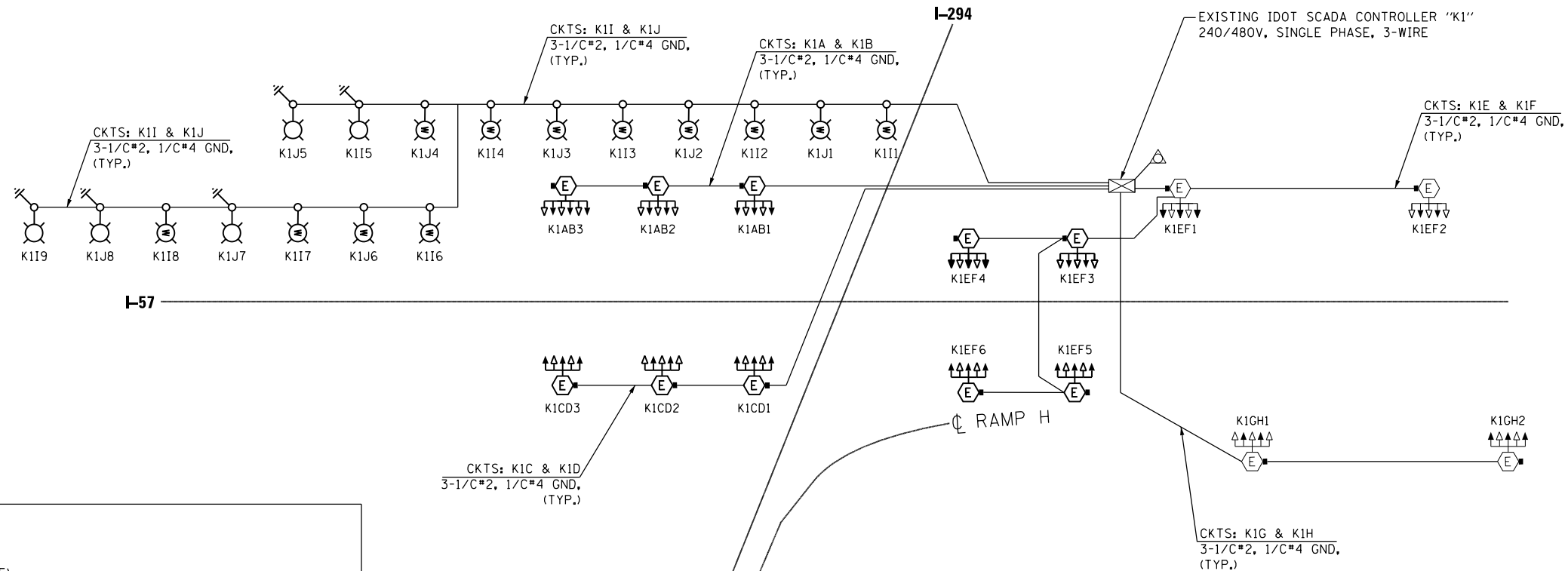
CONTRACT I-19-4495
 SINGLE LINE DIAGRAM
 EXISTING IDOT CONTROLLER 'K'

SHEET EL-24 OF 34
 233 OF 606



LEGEND

-  PROPOSED SINGLE ARM LIGHTING UNIT WITH LED ROADWAY LUMINAIRE, 240V
-  PROPOSED SINGLE ARM WALL MOUNTED LIGHTING UNIT WITH LED ROADWAY LUMINAIRE, 240V
-  EXISTING HIGH MAST LIGHT TOWER TO REMAIN WITH NEW LED ROADWAY LUMINAIRES, 240V (OPEN - RED PHASE, SOLID - BLACK PHASE)
-  EXISTING HIGH MAST LIGHT TOWER TO REMAIN WITH EXISTING LED ROADWAY LUMINAIRES, 240V (OPEN - RED PHASE, SOLID - BLACK PHASE)
-  EXISTING DUPLEX LIGHTING CONTROLLER
-  EXISTING ELECTRIC SERVICE



LOAD TABLE
EXISTING IDOT LIGHTING CONTROLLER "K1"
2-175A MAIN BREAKERS

CIRCUIT	RED PHASE (RED CABLE)		CIRCUIT	BLACK PHASE (BLACK CABLE)	
	AMPS	WATTS		AMPS	WATTS
A	7.5	3,600	B	7.5	3,600
C	6.6	3,150	D	7.5	3,600
E	13.1	6,300	F	15.0	7,200
G	4.7	2,250	H	4.7	2,250
I	4.2	2,025	J	3.8	1,800
TOTAL	36.1	17,325	TOTAL	38.5	18,450

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2/27/2020

DRAWN BY BKB DATE . 3-12-2020
CHECKED BY MKR SCALE . NONE

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Chicago, Illinois 60607

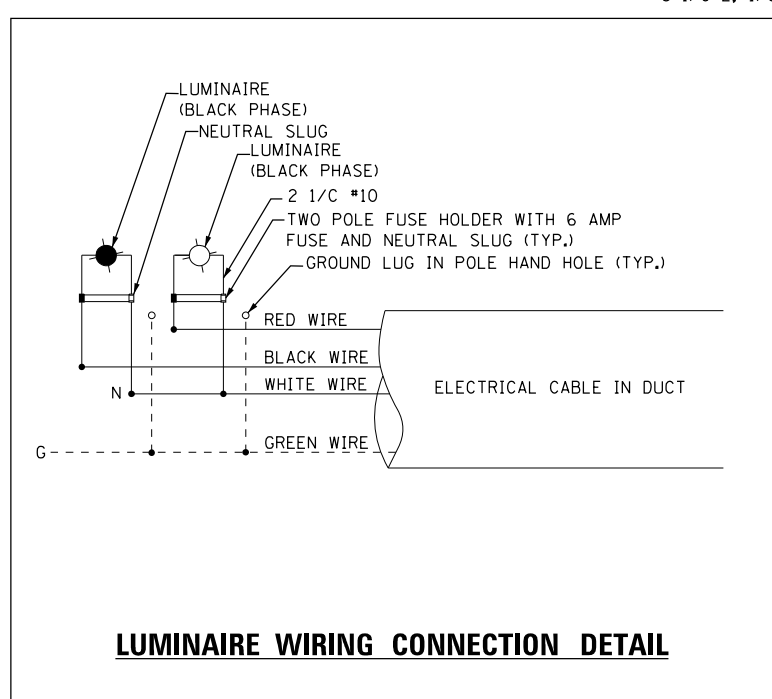
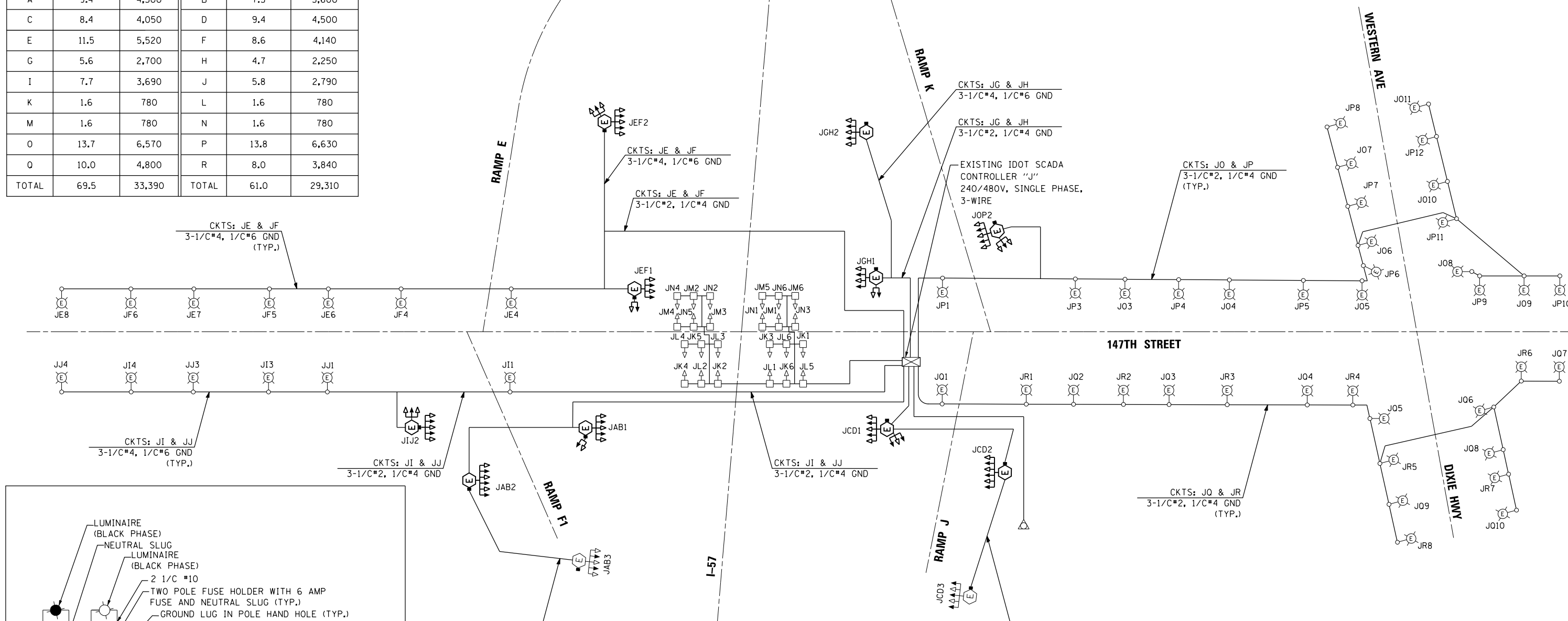
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
SINGLE LINE DIAGRAM
EXISTING IDOT CONTROLLER "K1"

SHEET EL-25 OF 34
234 OF 606

LOAD TABLE EXISTING IDOT LIGHTING CONTROLLER "J" 2-200A MAIN BREAKERS					
CIRCUIT	RED PHASE (RED CABLE)		CIRCUIT	BLACK PHASE (BLACK CABLE)	
	AMPS	WATTS		AMPS	WATTS
A	9.4	4,500	B	7.5	3,600
C	8.4	4,050	D	9.4	4,500
E	11.5	5,520	F	8.6	4,140
G	5.6	2,700	H	4.7	2,250
I	7.7	3,690	J	5.8	2,790
K	1.6	780	L	1.6	780
M	1.6	780	N	1.6	780
O	13.7	6,570	P	13.8	6,630
Q	10.0	4,800	R	8.0	3,840
TOTAL	69.5	33,390	TOTAL	61.0	29,310



- LEGEND**
- EXISTING HPS ROADWAY LUMINAIRE, 240V
 - EXISTING HIGH MAST LIGHT TOWER TO REMAIN WITH NEW LED ROADWAY LUMINAIRES, 240V (OPEN - RED PHASE, SOLID - BLACK PHASE)
 - EXISTING HIGH MAST LIGHT TOWER TO REMAIN WITH EXISTING LED ROADWAY LUMINAIRES, 240V (OPEN - RED PHASE, SOLID - BLACK PHASE)
 - EXISTING LED UNDERPASS LUMINAIRE, 240V
 - EXISTING DUPLEX LIGHTING CONTROLLER
 - EXISTING ELECTRIC SERVICE

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DRAWN BY BKB DATE 3-12-2020
 CHECKED BY MKR SCALE NONE

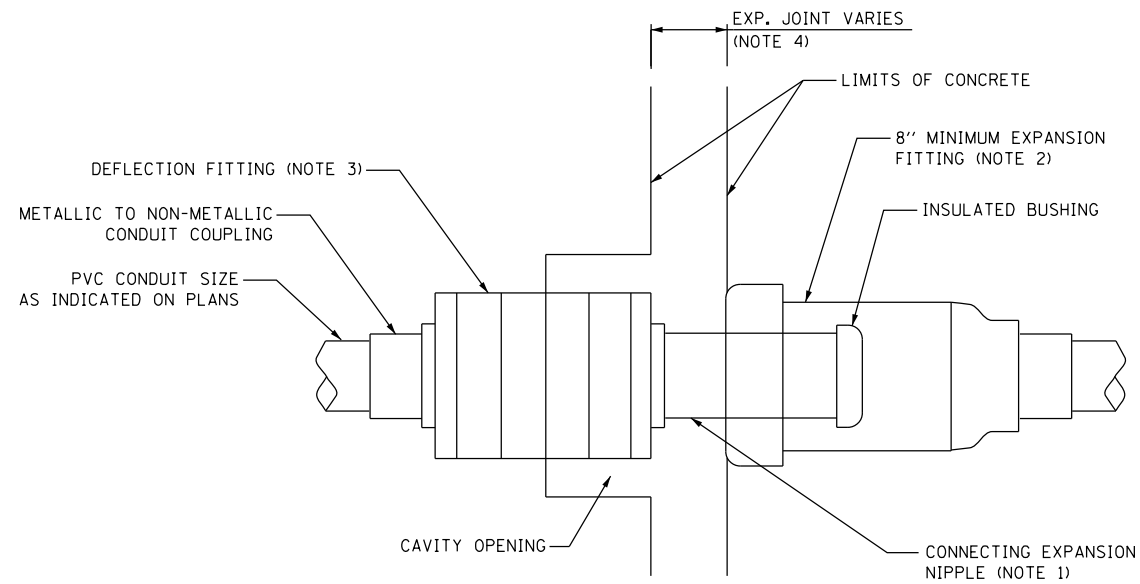
TranSmart/EJM
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 Chicago, Illinois 60607

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 SINGLE LINE DIAGRAM
 EXISTING IDOT CONTROLLER 'J'

SHEET EL-26 OF 34
 235 OF 606



CONDUIT EXPANSION/DEFLECTING COUPLING
NOT TO SCALE

NOTES:

1. PROVIDE REQUIRED LENGTH OF CONNECTING EXPANSION NIPPLE. REFER TO STRUCTURAL DRAWINGS FOR THE EXPANSION JOINT CHARACTERISTICS.
2. THE BARREL OF THE FITTING SHALL BE FULLY EMBEDDED IN THE CONCRETE ON ONE SIDE OF THE EXPANSION JOINT.
3. A CAVITY OPENING, IF REQUIRED, SHALL BE 3" LARGER DIA. AND A MAX. DEPTH OF HALF OF THE DEFLECTION FITTING SHALL BE CENTERED IN THE OPENING AND EMBEDDED IN THE CONCRETE ONLY UP TO THE DEFLECTION FITTING CENTER.
4. REFER TO STRUCTURAL PLANS FOR EACH EXPANSION JOINT WIDTH, AND OTHER STRUCTURAL DETAILS.

D:\000095-ans-t-light-015.dgn 2/27/2020

DRAWN BY BKB
CHECKED BY MKR

DATE . 3-12-2020
SCALE . NONE

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THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495

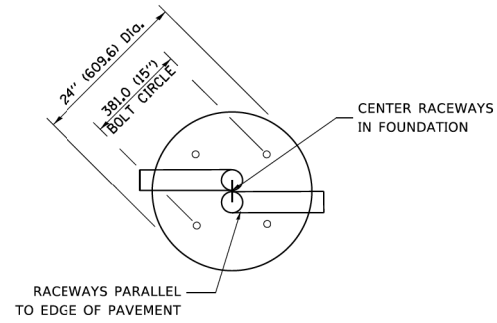
SHEET EL-27 OF 34

IDOT ELECTRICAL DETAILS

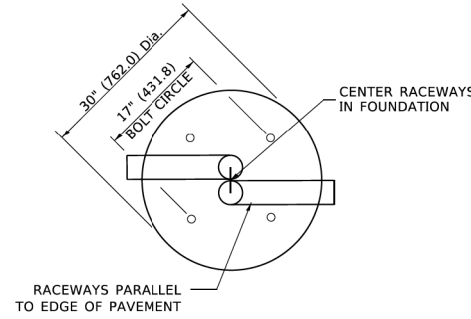
236 OF 606

LIGHT POLE FOUNDATION DEPTH TABLE
 40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

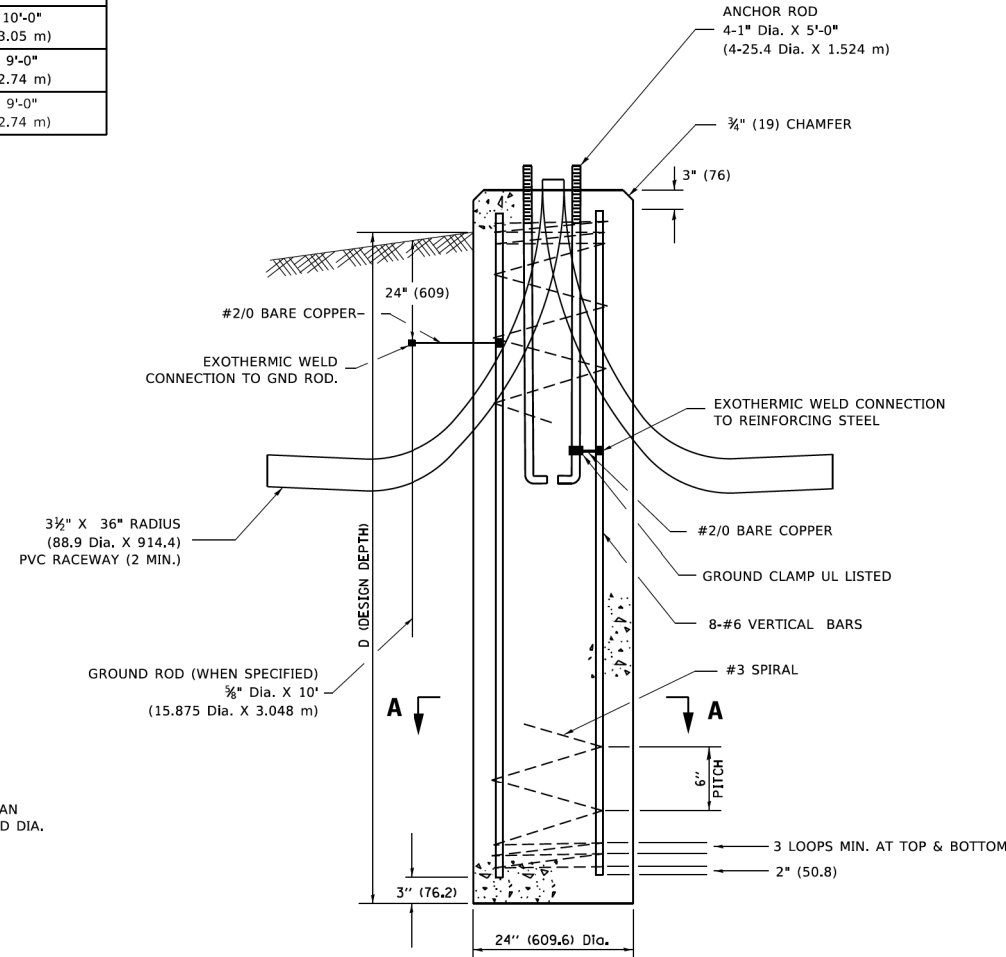
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-6" (2.93 m)	10'-9" (3.23 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)



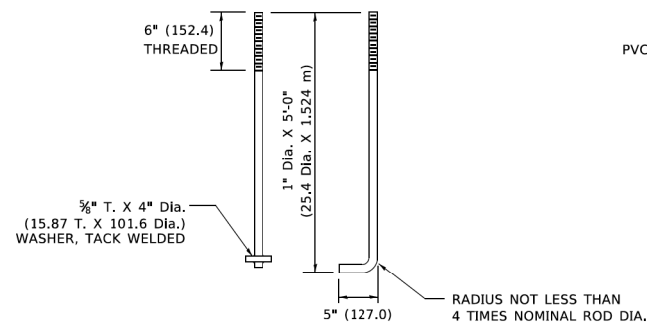
TOP VIEW



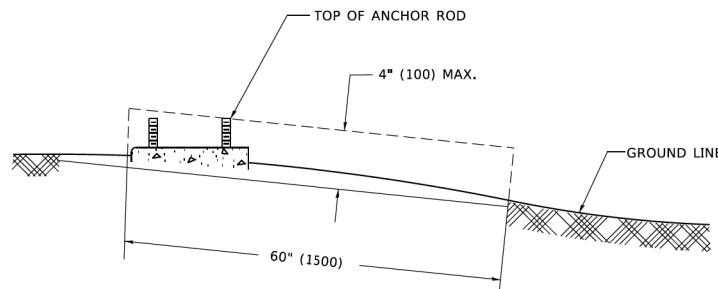
TOP VIEW



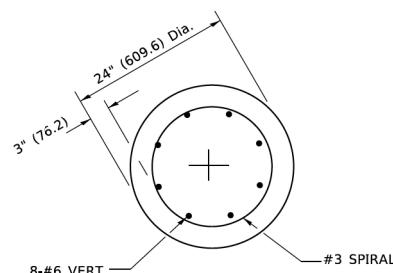
FOUNDATION DETAIL



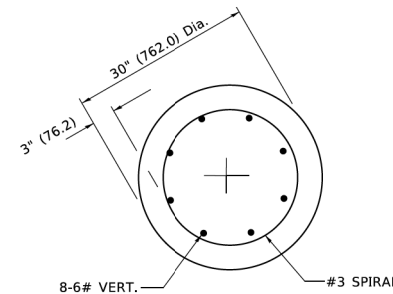
ANCHOR ROD DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



SECTION A-A

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105), NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

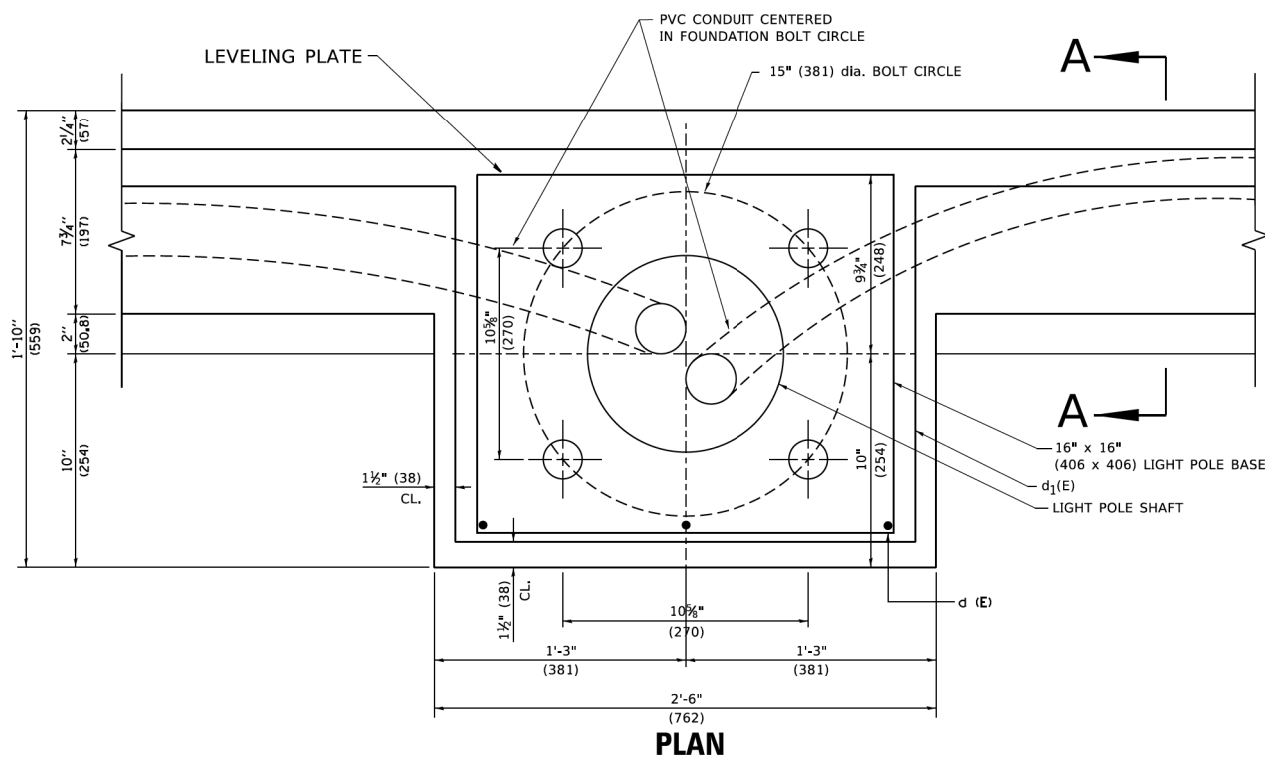
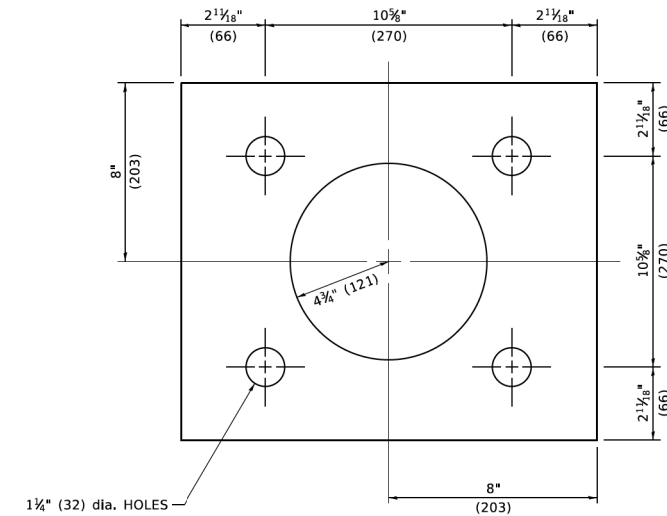
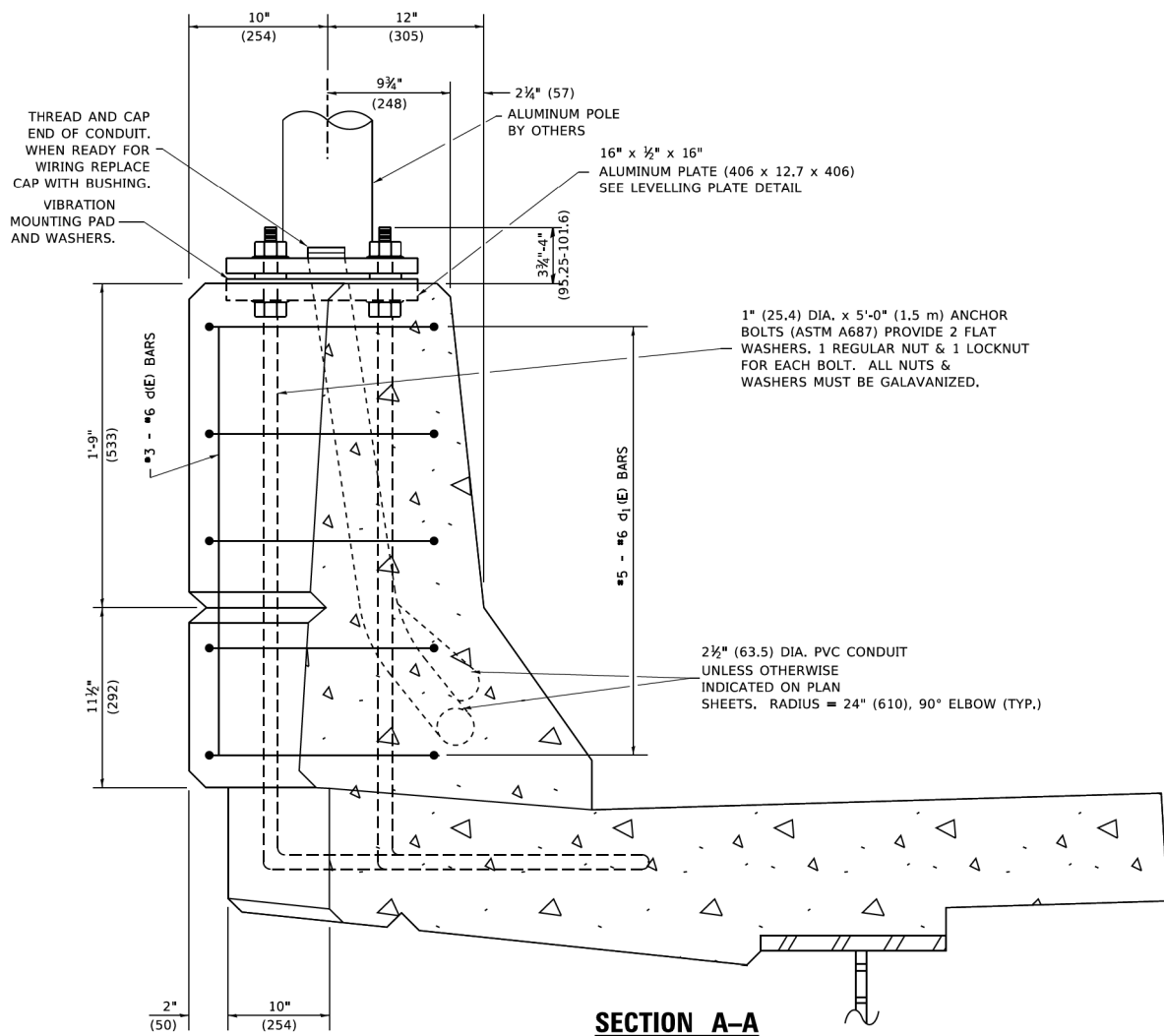
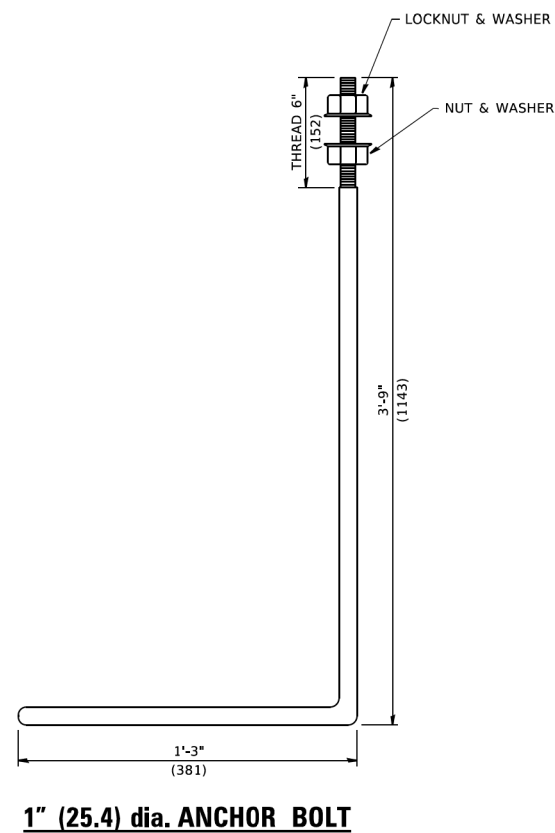
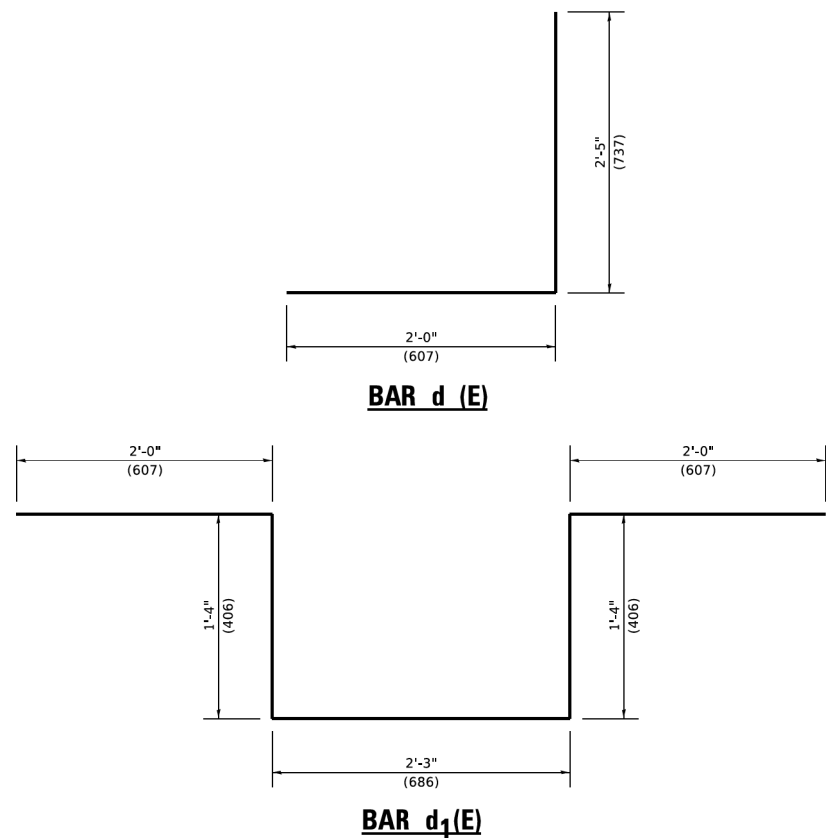
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PLOT DATE = 4/19/2015	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
40' (12.192 m) TO 47 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE
 SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			237	606
BE-301			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. LEVEL LIGHT POLE PLATES, USING THE FLANGE NUTS, PRIOR TO POURING THE PARAPET WALL. THE TOP OF THE PLATE SHALL BE AT THE SAME ELEVATION AS THE FINISHED CONCRETE PARAPET.
3. THE COST OF ANCHOR BOLTS, CONDUIT, LEVELLING PLATE AND FOUNDATION IS INCLUDED IN THE COST OF THE BRIDGE STRUCTURE.

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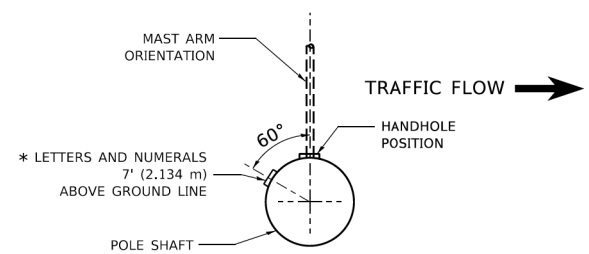
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PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/19/2015	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

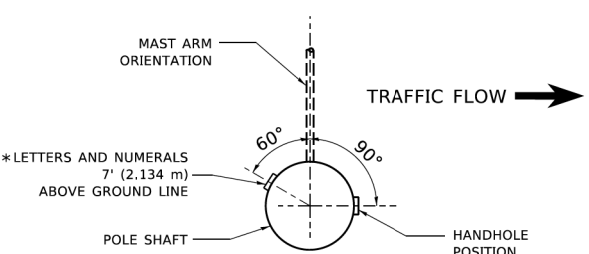
**LIGHT POLE MOUNTED ON CONCRETE PARAPET WALL
15" (381 mm) BOLT CIRCLE**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

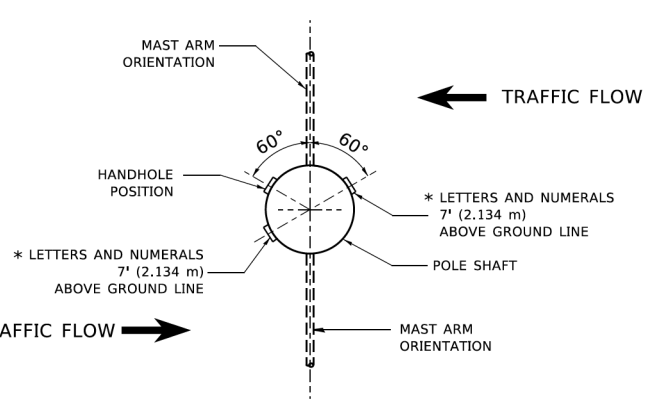
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			238	606
BE-330			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



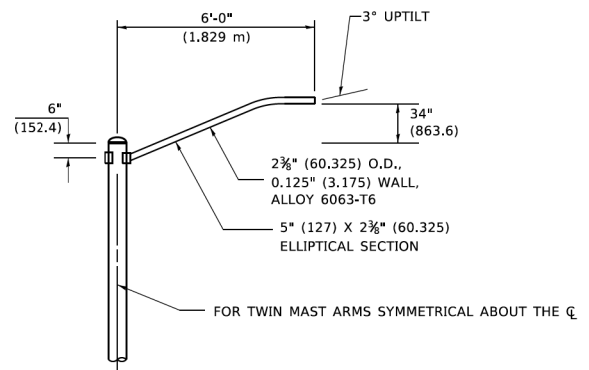
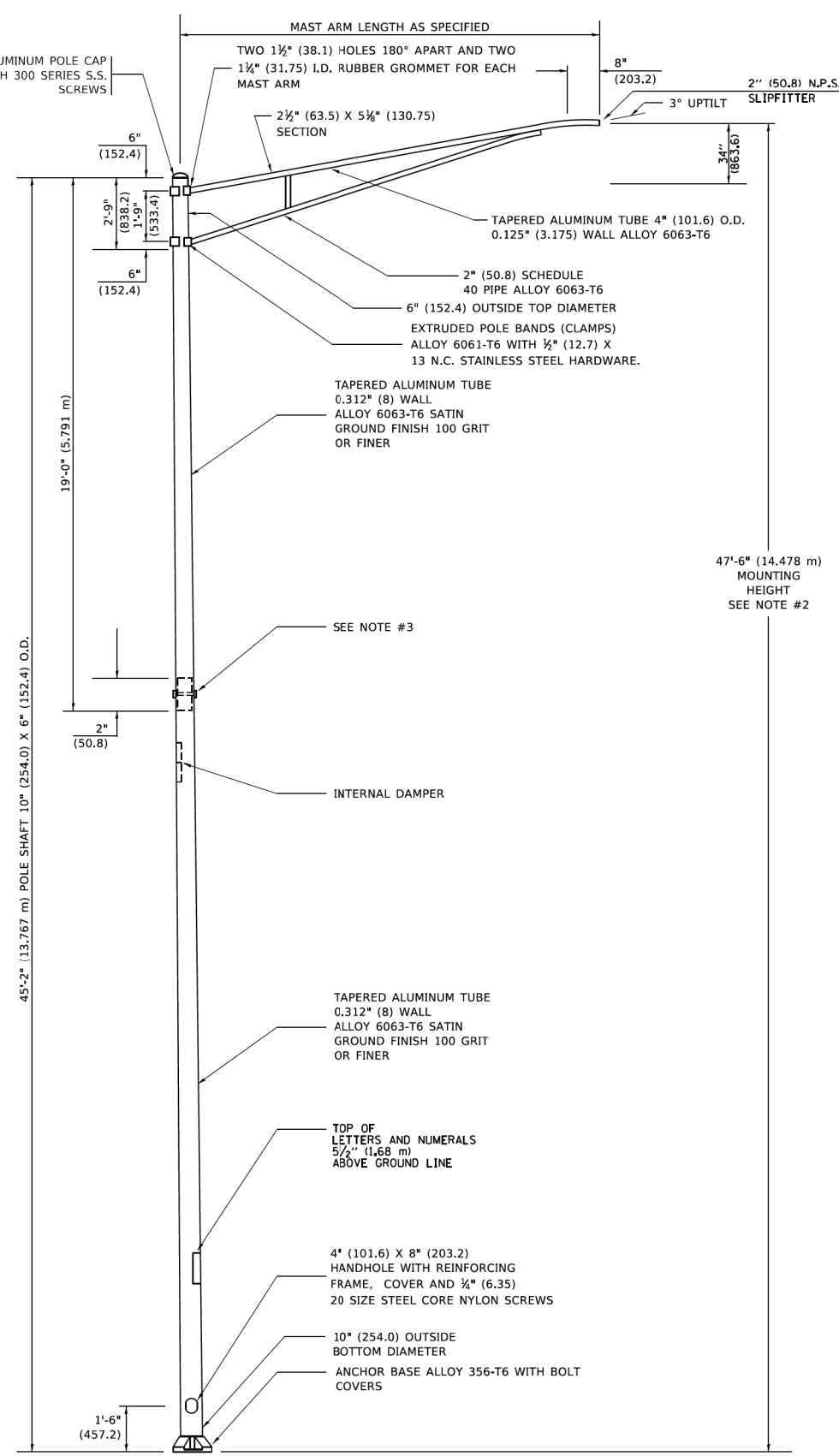
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



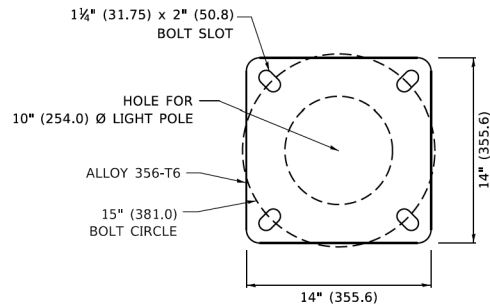
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES



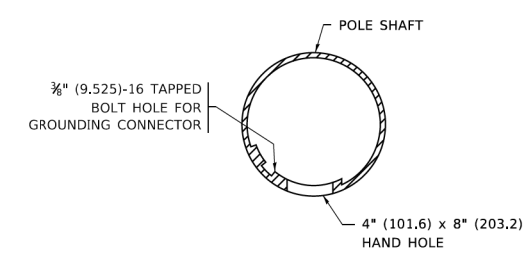
POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES



6' (1.8 m) SINGLE MEMBER MAST ARM (N.T.S.)



LIGHT POLE BASE PLATE DETAIL 15 INCH (381.0) BOLT CIRCLE



HANDHOLE DETAIL (N.T.S.)

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
- TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
- THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
- THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
- LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
- LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
- LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.

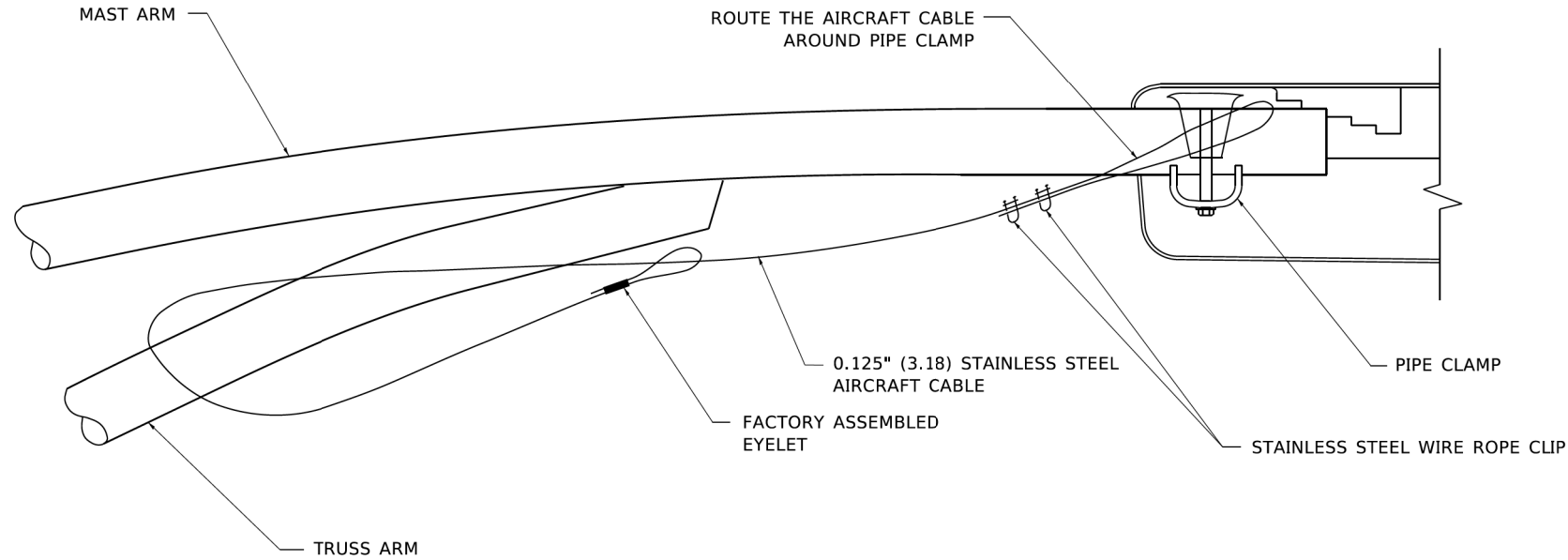
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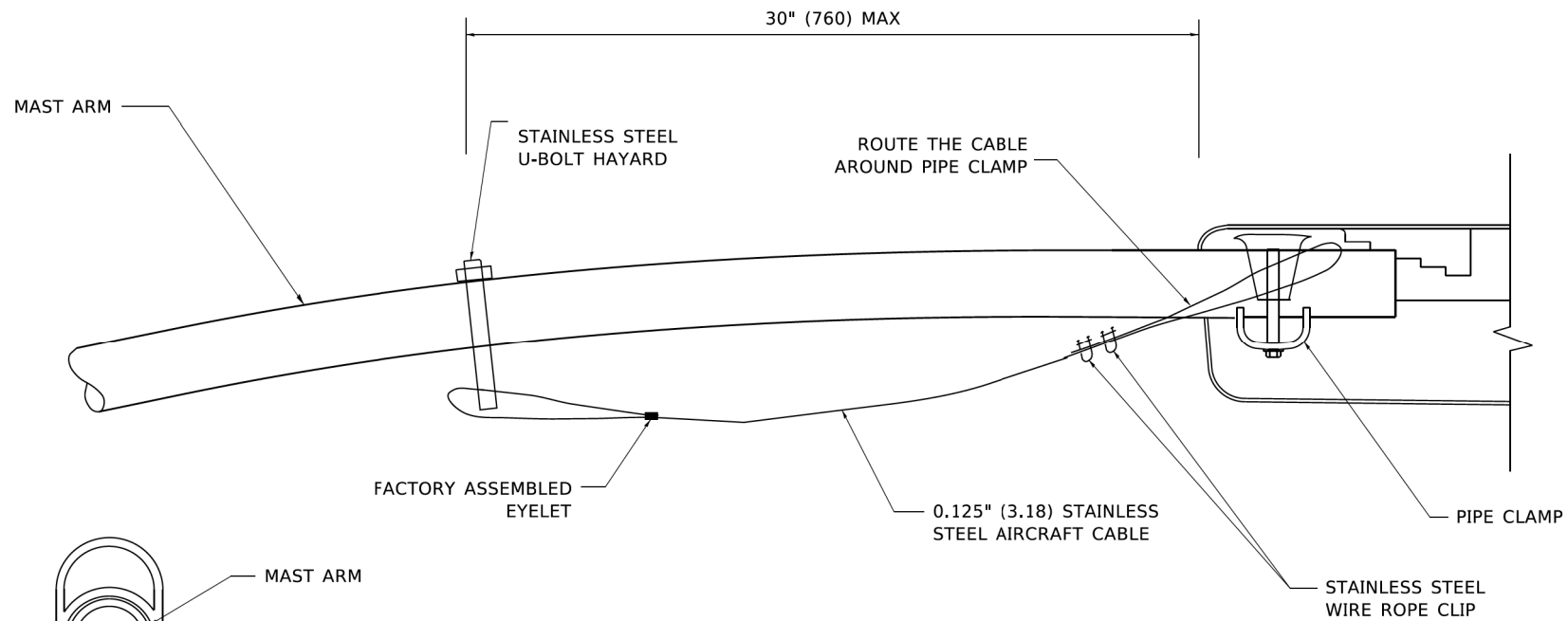
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALUMINUM LIGHT POLE	
47'-6" (14.478 m) MOUNTING HEIGHT	
SCALE: NONE	SHEET 1 OF 1 SHEETS STA. TO STA.

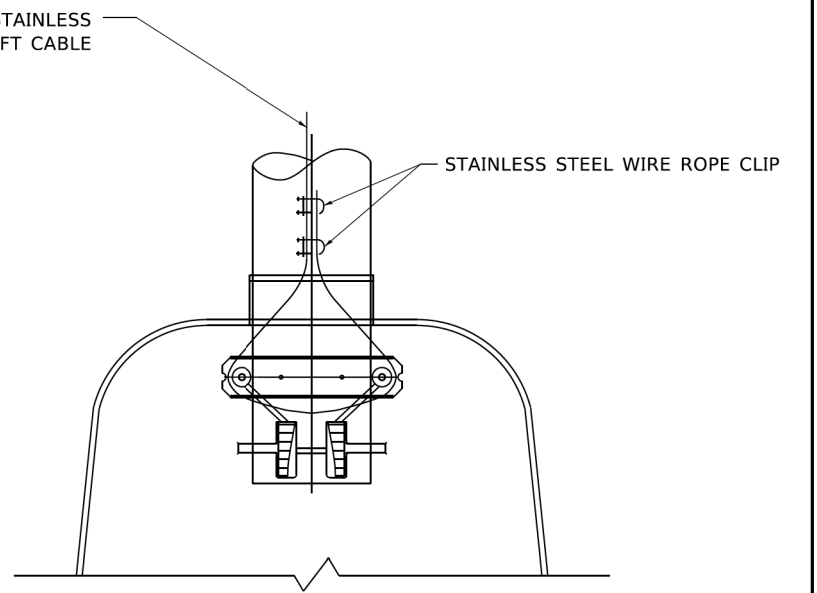
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			239	606
BE-400		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				



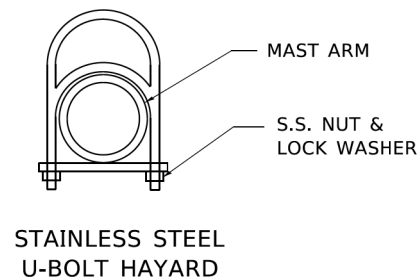
SIDE VIEW (TRUSS ARM)
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



BOTTOM VIEW
N.T.S.



STAINLESS STEEL U-BOLT HAYARD

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL.
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN.

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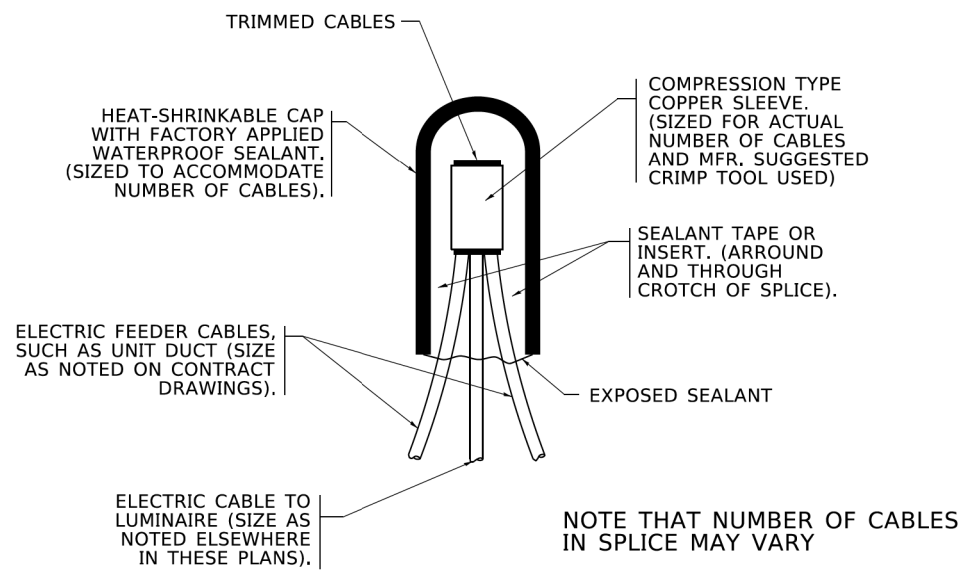
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

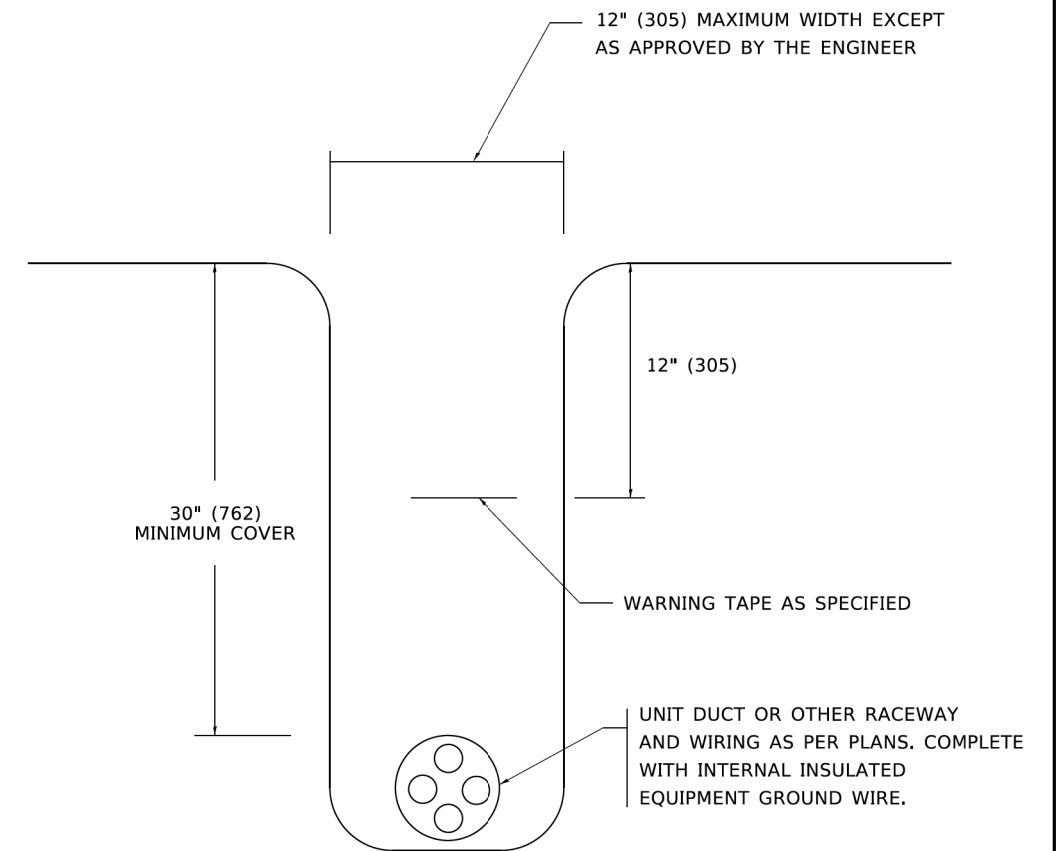
LUMINAIRE SAFETY CABLE ASSEMBLY

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

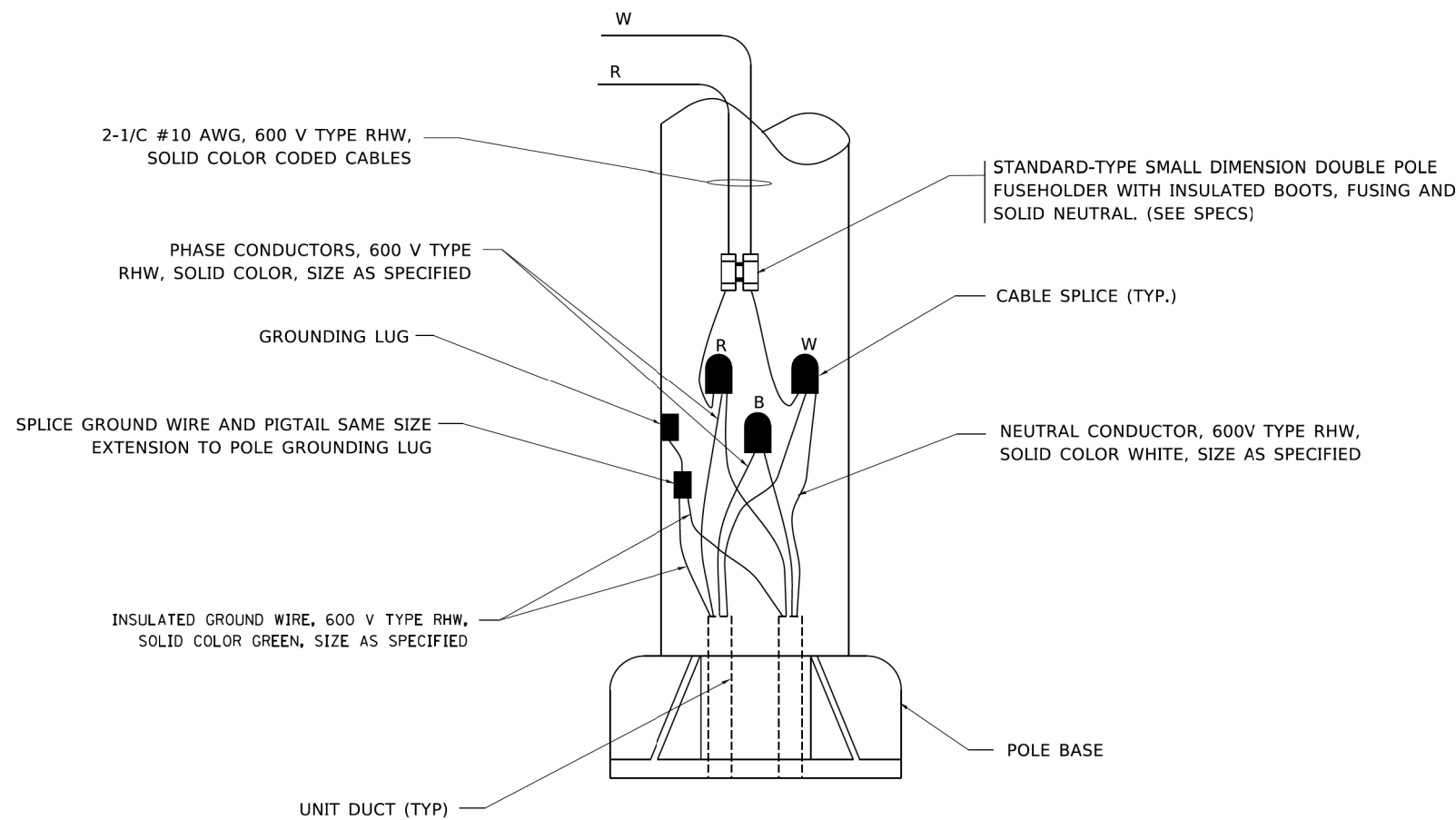
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			240	606
BE-701			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				



TYPICAL SPLICE DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

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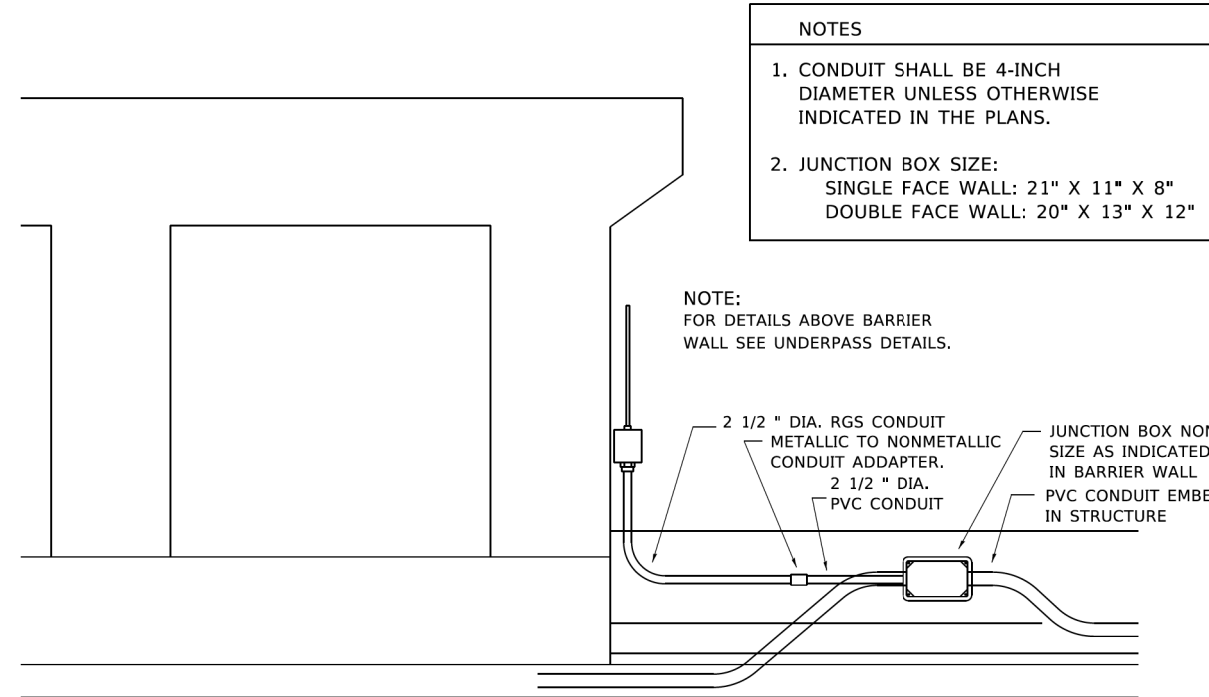
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

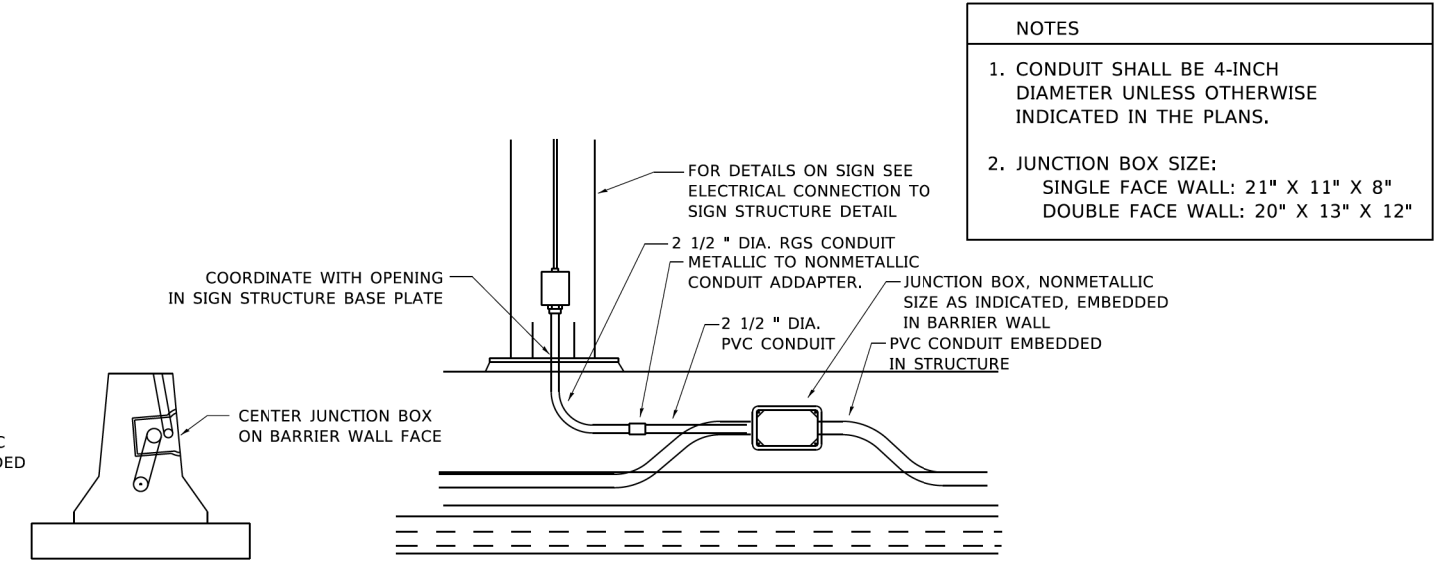
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ILLINOIS FED. AID PROJECT				



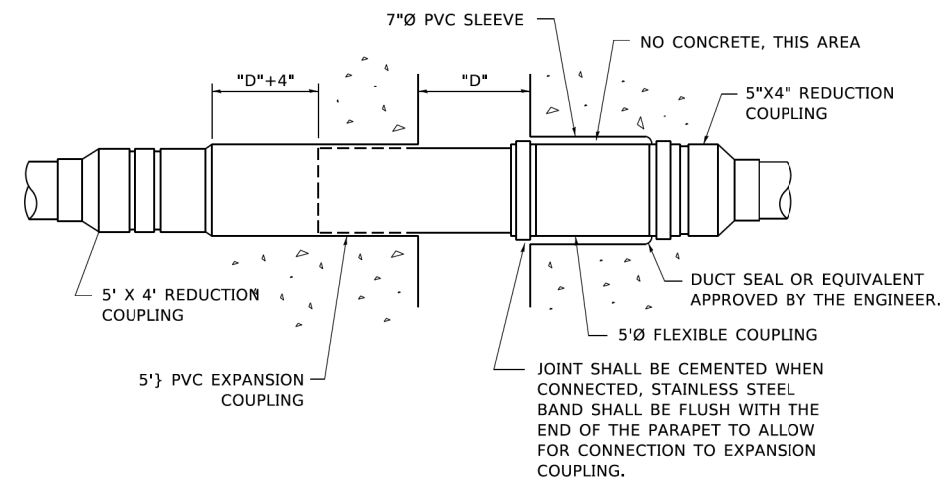
ED - BWD

ELECTRIC CONNECTION TO UNDERPASS LIGHTING



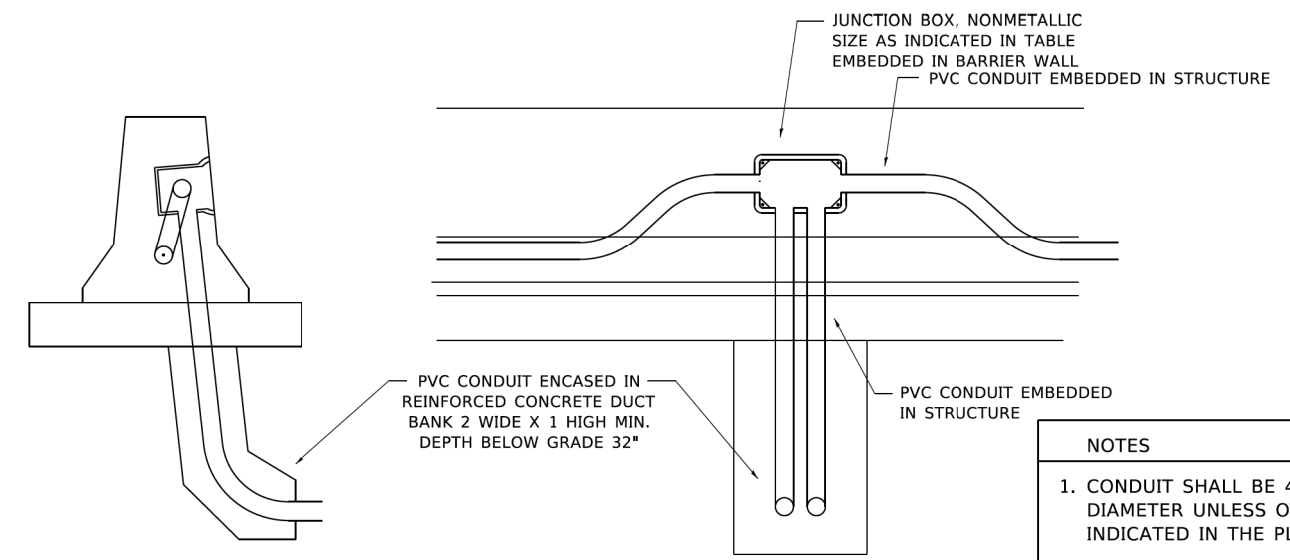
ED - SGN

JUNCTION BOX EMBEDDED IN BARRIER WALL FOR SIGN LIGHTING



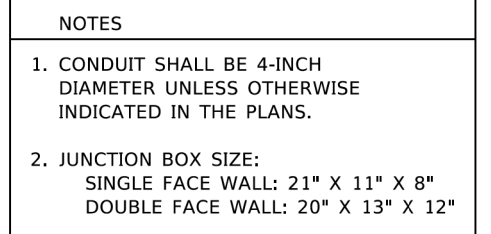
INSTALLATION OF CONDUIT IN BRIDGE PARAPET EXPANSION JOINT

(N.T.S.)



ED - BW

JUNCTION BOX EMBEDDED IN BARRIER WALL



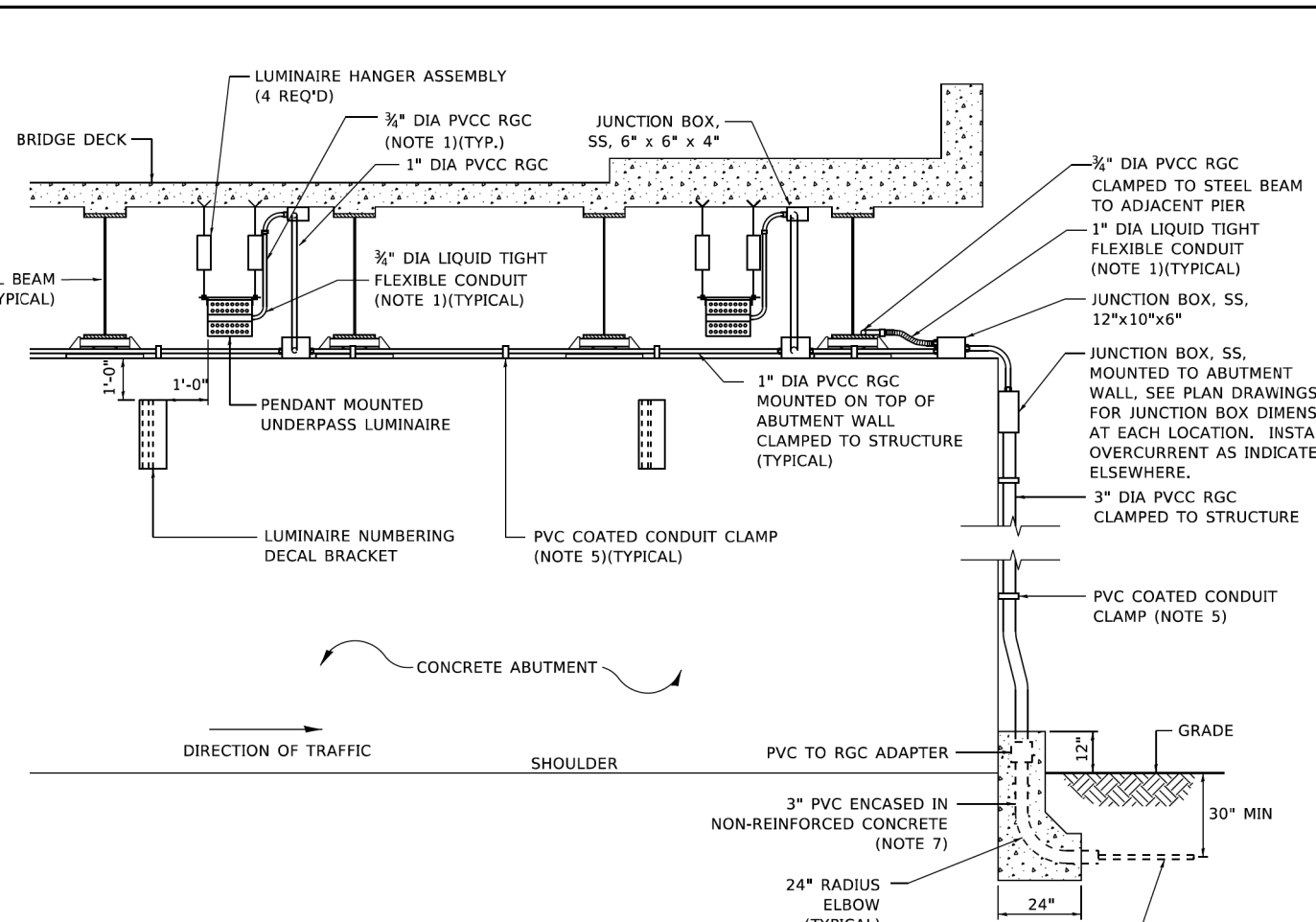
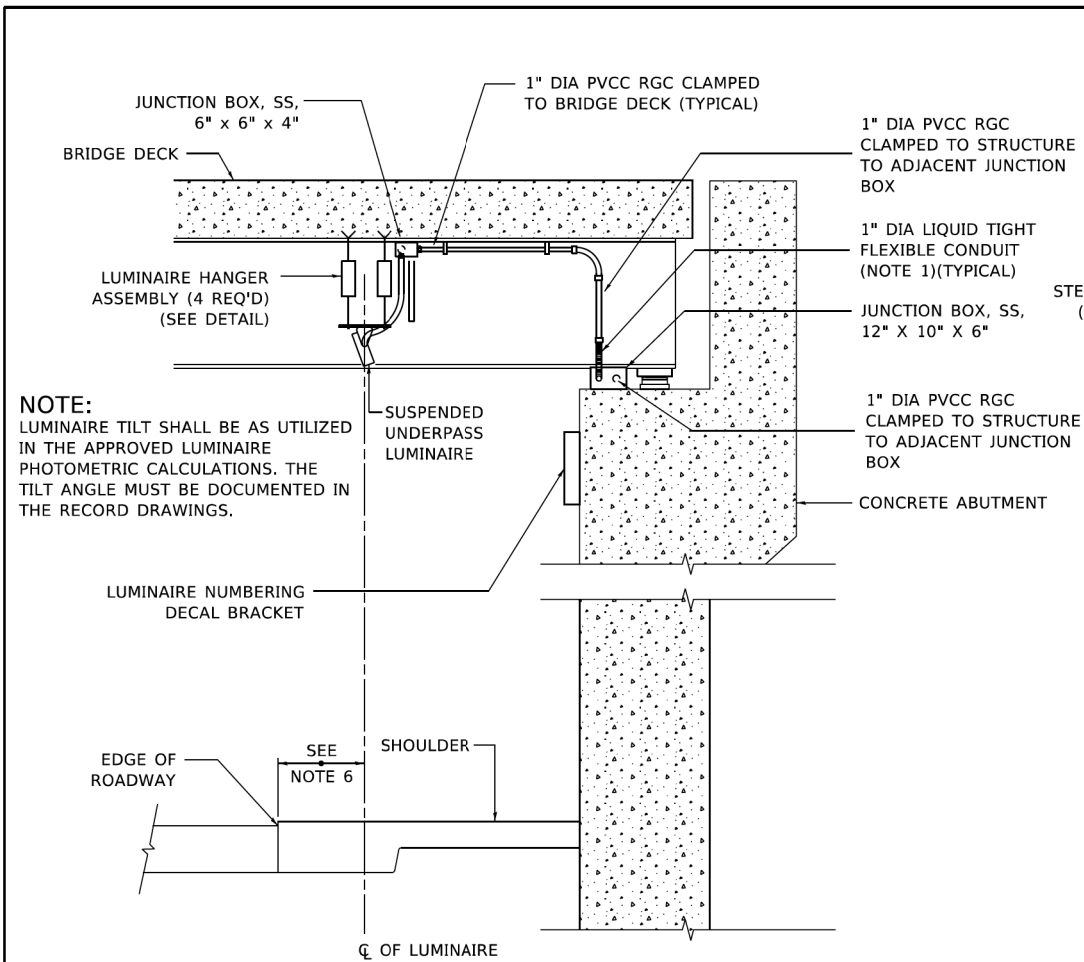
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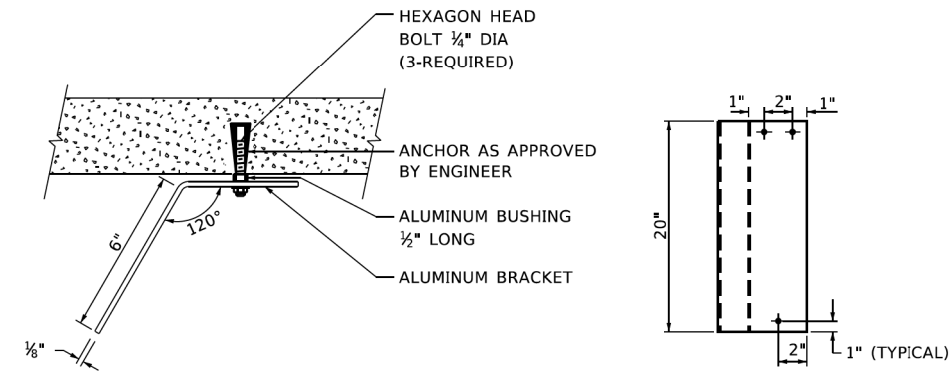
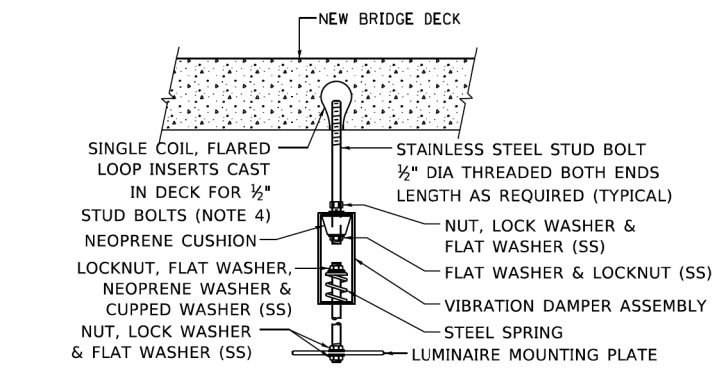
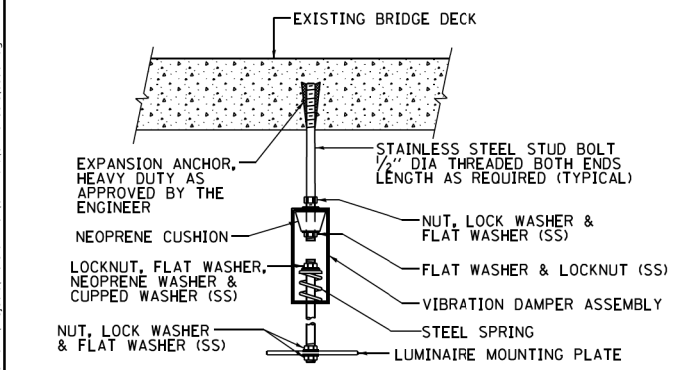
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MISCELLANEOUS ELECTRICAL DETAILS, SHEET B			
J BOX EMBEDDED IN BARRIER WALL - INSTALLATION OF CONDUIT IN BRIDGE PARAPET EXPANSION JOINT - ELECTRIC CONNECTION TO UNDERPASS LIGHTING			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-703		242	606
ILLINOIS FED. AID PROJECT			CONTRACT NO.	



- NOTES:**
- LIQUID TIGHT FLEXIBLE METAL CONDUIT, MAXIMUM LENGTH 6'-0", TYPICAL FOR EACH INSTANCE AS SHOWN. PROVIDE PVC COATED RIGID GALVANIZED STEEL CONDUIT AS REQUIRED NOT TO EXCEED 6'-0" OF FLEXIBLE LIQUID TIGHT METAL CONDUIT. LIQUID TIGHT FLEXIBLE METAL CONDUIT WILL BE INCLUDED IN THE COST OF THE CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED PAY ITEM EXCEPT THAT " DIA. CONDUIT AND " DIA. FLEXIBLE CONDUIT SHALL BE INCLUDED IN THE COST OF UNDERPASS LUMINAIRE INSTALLATION.
 - SEE UNDERPASS LIGHTING PLANS FOR INSTALLATION LOCATION OF UNDERPASS LIGHTING LUMINAIRES.
 - THE CONTRACTOR SHALL USE APPROVED SINGLE COIL FLARED LOOP INSERTS WHEN SUSPENDED MOUNTING AN UNDERPASS LUMINAIRE TO A NEW BRIDGE DECK. THE FLARED LOOP INSERTS MUST BE CAST INTO THE CONCRETE DECK. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND COORDINATING THE INSERT LOCATIONS FOR MOUNTING THE UNDERPASS LIGHTING SYSTEM AS SHOWN ON THE PLANS WITH THE BRIDGE DECK CONTRACTOR. SEE DETAIL.
 - THE UNDERPASS LUMINAIRE HANGER ASSEMBLY COMPLETE WITH HEAVY DUTY ANCHORS/INSERTS AND ALL APPLICABLE HARDWARE SHALL BE INCLUDED IN THE COST OF THE UNDERPASS LUMINAIRE PAY ITEM.
 - SECURE THE CONDUIT WITH PVC COATED CONDUIT CLAMPS OR CONDUIT BEAM CLAMPS AS SHOWN AT 5'-0" INTERVALS FOR LATERALS AND WITHIN 2'-0" MAXIMUM FROM ANY JUNCTION BOX, FLEXIBLE CONDUIT, OR CHANGE IN DIRECTION. ALL PVC COATED CONDUIT CLAMPS OR BEAM CLAMPS SHALL BE INCLUDED WITH THE COST OF THE "CONDUIT ATTACHED TO STRUCTURE, OF THE CORRESPONDING DIA., GALVANIZED STEEL, PVC COATED" PAY ITEM.
 - ALL UNDERPASS LUMINAIRES MUST BE CENTERED IN THE BEAM SPACE AS INDICATED ON THE PLANS UNLESS OTHERWISE DIRECTED BY THE ENGR. LUMINAIRE SETBACK SHALL BE AS INDICATED IN PLANS FOR EACH SPECIFIC UNDERPASS
 - THE CONCRETE ENCASED CONDUIT TRANSITION SHALL BE INCLUDED IN THE COST OF THE GALVANIZED RIGID STEEL CONDUIT PAY ITEMS.
 - ALL CONDUIT ATTACHED TO STRUCTURE SHALL BE PVC COATED RIGID STEEL CONDUIT (PVCC RGC) TYPICAL.
 - IN NO INSTANCE SHALL ANY UNDERPASS LUMINAIRE OR ANY OTHER ELECTRICAL EQUIPMENT BE INSTALLED BELOW THE ELEVATION OF THE BOTTOM OF THE BRIDGE BEAM WHEN OVER ANY PAVEMENT (ROADWAY OR SHOULDER).



EXISTING BRIDGE DECK INSTALLATION

NEW BRIDGE DECK INSTALLATION

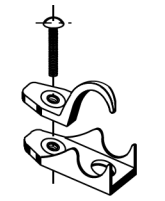
TYPICAL LUMINAIRE HANGER ASSEMBLY DETAILS

LUMINAIRE NUMBERING DECAL BRACKET

NOT TO SCALE



PVC COATED CONDUIT BEAM CLAMP
NOT TO SCALE



PVC COATED CONDUIT CLAMP
NOT TO SCALE

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PLOT DATE = 1/15/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUSPENDED MOUNT LED UNDERPASS
LUMINAIRE INSTALLATION DETAILS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

SHEET EL-34 OF 34			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
			243
BE-901		SHEET NO. 606	
		CONTRACT NO.	
ILLINOIS FED. AID PROJECT			

GENERAL NOTES:

- ITS ELEMENT POLES SHIELDED BY GUARDRAIL SHALL BE LOCATED A MINIMUM OF 5' TO A MAXIMUM OF 20' BEHIND THE GUARDRAIL POST. SEE ILLINOIS TOLLWAY GUARDRAIL STANDARD (SECTION C OF STANDARDS) FOR MORE INFORMATION. ALL OTHER POLES SHALL BE LOCATED OUTSIDE THE CLEAR ZONE. FINAL LOCATION TO BE APPROVED BY THE ENGINEER.
- ANY GROUND CABLES ROUTED INSIDE THE ENCLOSURE SHALL BE GREEN INSULATED TYPE RHW CONDUCTORS. ANY GROUND CONDUCTORS THAT ARE BURIED SHALL BE BARE COPPER TINNED. ANY GROUND CONNECTED TO THE EXTERNAL GROUND BUSBAR SHALL BE CADWELDED TO THE BUSBAR. PVC SCH 80 CONDUIT SHOULD BE GROMMETTED ON END GOING TO BUSBAR TO PREVENT RODENTS AND INSECTS FROM ENTERING.
- PROVIDE A 1/2" ALUMINUM CONDUIT NIPPLE WITH LB FITTING FOR ROUTING ITS ELEMENT CABLES INSIDE THE POLE TO THE EQUIPMENT ENCLOSURE. DRILL AND TAP POLE FOR THE CONDUIT NIPPLE. CABLE SLACK SHALL BE PULLED AND FASTENED WITHIN THE TOP OF THE POLE. PROPER CABLE STRAIN RELIEF SHALL BE INSTALLED AND APPROVED BY THE ENGINEER. ALL CABLE RUN INSIDE THE POLE SHALL NOT HANG BELOW THE TOP OF THE HANDHOLE COVER ON THE POLE.
- ALL CONDUITS ENTERING THE ENCLOSURE SHALL BE SEALED. SEE "ITS POLE MOUNTED ENCLOSURE, ITS ASSEMBLY (CCTV OR MVDS)" SPECIAL PROVISION FOR MORE DETAIL FOR RODENT PROTECTION.
- CONTRACTOR TO PROVIDE ALL POWER, COMMUNICATIONS AND GROUND WIRING REQUIRED FOR SYSTEM OPERATION.
- ATTACH PVC SCH 80 CONDUIT TO POLE FOR SUPPORT. USE METAL BUSHING WHEN CONNECTING PVC TO CABINET. USE GROMMETS AT BOTH ENDS OF CONDUIT TO SEAL CONDUIT BUT ALLOW GROUND CABLE TO RUN THROUGH BOTH ENDS.
- GROUND ROD SHALL BE PLACED A MINIMUM OF 10' FROM THE FOUNDATION. A GROUND WELL SHALL BE INCLUDED TO PERMIT ACCESS TO THE GROUND ROD CONNECTION. CONNECTION TO THE GROUND BUSBAR AND THE GROUND ROD SHALL BE CADWELD.
- A FLAT STEEL MESH PANEL ALONG WITH A COMMERCIALY AVAILABLE HYDROPHOBIC LOW DENSITY COMPOSITE BACKFILL MATERIAL (KNOWN AS Q-SET 250) SHALL BE INSTALLED BETWEEN THE ANCHOR BASE AND THE POLE TO PREVENT THE ENTRY OF RODENTS INTO THE POLE. SEE SPECIAL PROVISIONS FOR MORE DETAILS.
- THIS ITS ELEMENT ENCLOSURE DETAIL WILL BE UTILIZED FOR POLE MOUNTED APPLICATIONS ONLY, IT CANNOT BE UTILIZED FOR TOWER MOUNTED APPLICATION.
- BACKFILL PER ILLINOIS TOLLWAY STANDARD H1. BACKFILL SHALL BE TO THE TOP OF THE POLE BASE ON ALL SIDES.
- ALL CABLING (INCLUDING CABLING INSIDE THE ENCLOSURE) IS OUTDOOR RATED. CAMERA CABLE PART NUMBERS ARE: CAT-6E CABLE (BELDEN CATALOG NO. 7953A) AND #14 AWG 3/C CCTV POWER CABLE (BELDEN CATALOG NO. 9367). THE GROUND WIRE (WHITE) IN THE 3/C #14 AWG POWER CABLE SHALL BE TAPED GREEN. ANY OTHER ITS ELEMENT WILL USE SPECIFIC CABLE ASSOCIATED TO THAT ELEMENT.
- THE J-HOOK SHALL BE WELDED IN PLACE TO THE SIDE OF THE POLE, NEAR THE TOP OF THE POLE. THE CONTRACTOR SHALL PROVIDE A CUSTOM FLAT TOP POLE CAP THAT WILL FIT THE POLE TOP WITH THE J-HOOK WELDED TO THE SIDE. THE POLE CAP SHALL BE SECURED TO THE POLE BY DRILLING AND INSERTING SET SCREWS.
- THIS DRAWING IS A MULTI-PURPOSE DRAWING THAT INCLUDES TWO TYPES OF CONNECTIONS TO A SOLAR POWERED BATTERY ENCLOSURE. IF SOLAR POWER IS UTILIZED, THEN THE SPECIAL PROVISIONS WILL CALL OUT THE MATERIAL AND NECESSARY CONNECTIONS TO THE ITS ELEMENT ENCLOSURE.
- CONSTRUCT A 4 FT. X 4 FT. CONCRETE SERVICE PAD 6-INCHES FROM THE POLE BASE ON THE SAME SIDE AS THE ITS ENCLOSURE, CENTERED WITH THE ITS ENCLOSURE.
- THIRTY DAYS PRIOR TO INSTALLING ANY NEW CCTV CAMERA, MVDS, SWITCH, WIRELESS OR FIBER OPTIC MODEM, THE CONTRACTOR SHALL COORDINATE DEVICE CONFIGURATION WITH THE ENGINEER.
- THE DISCONNECT SWITCH, SUPPORT, AND ASSOCIATED CONDUIT SHALL BE INSTALLED FOR ITS SITES WHERE THE UTILITY SERVICE INSTALLATION IS GREATER THAN 500 FEET FROM THE ITS SITE OR LOCATED ON THE OPPOSITE SIDE OF THE ROADWAY FROM THE ITS SITE.
- ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).

SUMMARY OF ITS QUANTITIES

SP	CODE NUMBER	PAY ITEM	UNIT	TOTAL
*	JS814001	HANDHOLE, TOLLWAY	EACH	1
*	JS817210	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE-USE) 1/C NO.12	FOOT	785
*	JT132810	ITS POLE MOUNTED ENCLOSURE, ITS ASSEMBLY (CCTV OR MVDS)	EACH	1
*	JT132814	ITS DISCONNECT SWITCH ASSEMBLY	EACH	1
*	JT132820	CCTV CAMERA, ITS ASSEMBLY (TOLLWAY)	EACH	1
*	JT132830	FIBER OPTIC COMMUNICAITONS, ITS ASSEMBLY	EACH	1
*	JT132845	MICROWAVE VEHICLE DETECTION SYSTEM (MVDS), ITS ASSEMBLY	EACH	1
*	JT134000	MAINTAIN INTELLIGENT TRANSPORTATION SYSTEMS	LSUM	1
*	JT134037	ITS ELEMENT SITE GROUNDING - POLE MOUNTED ASSEMBLY	EACH	1
*	JT135006	REMOVE MICROWAVE VEHICLE DETECTION ASSEMBLY	EACH	1
*	JT135096	ITS POLE AND BASE REMOVAL	EACH	1
*	JT135097	REMOVE CCTV CAMERA, POLE MOUNTED	EACH	1
*	JT154032	CONTRACT ALLOWANCE FOR ADDITIONAL ITS WORK	UNIT	25000
*	JT154062	CONTRACT ALLOWANCE FOR MAINTAIN INTELLIGENT TRANSPORTATION SYSTEM REPAIR	UNIT	5000
*	JT160130	HANDHOLE FOR SINGLE MODE FIBER OPTIC CABLE, 36"X60"X36"	EACH	1
*	JT160141	ARMORED SINGLE MODE FIBER OPTIC CABLE IN CONDUIT, 12F	FOOT	460
*	JT160217	LOCATE POST FOR FIBER OPTIC CABLE	EACH	1
*	JT160218	CABLE MARKER WARNING SIGN WITH POST FOR OPTIC FIBER CABLE	EACH	2
*	JT160226	SINGLE MODE FIBER OPTIC CABLE REMOVAL, NO SALVAGE	FOOT	350
*	JT160236	CONDUIT REMOVAL FOR SINGLE MODE FIBER OPTIC CABLE, COILABLE NONMETALLIC, NO SALVAGE	FOOT	350
*	JT160340	FIBER OPTIC CONNECTION HARDWARE, TYPE 1	EACH	1
*	JT810876	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 2" DIA	FOOT	810
*	JT810881	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, SDR 11, 6" DIA	FOOT	50
*	JT830051	GROUND MOUNTED LIGHT POLE, GALVANIZED STEEL, 50 FT., WITHOUT MAST ARM	EACH	1
*	JT836020	ITS ELEMENT POLE FOUNDATION STEEL HELIX (12 FT.)	EACH	1
*	JT836029	CONCRETE SERVICE PAD, TYPE C	EACH	1

CCTV NOTES:

- FINAL PLACEMENT HEIGHTS OF THE CCTV CAMERAS SHALL BE BASED ON SITE CONDITIONS, ILLINOIS TOLLWAY OPERATIONAL NEEDS, AND AS PER MANUFACTURER'S MOUNTING RECOMMENDATIONS. THE HEIGHT SHALL BE APPROVED BY THE ENGINEER ONLY AFTER REVIEW BY ILLINOIS TOLLWAY ITS OPERATIONS.

MVDS NOTES:

- FINAL PLACEMENT HEIGHT OF THE MVDS SHALL BE BASED ON SITE CONDITIONS. REFER TO THE MVDS MANUFACTURER'S INSTALLATION GUIDE FOR RECOMMENDATIONS. THE HEIGHT SHALL BE APPROVED BY THE ENGINEER. THE MVDS SHALL BE PERPENDICULARLY ALIGNED TO THE ROADWAY IT IS INTENDING TO BE SENSING.
- TWO MVDS UNITS ARE REQUIRED FOR THE FOLLOWING APPLICATIONS:
 A) GATHER DATA FROM A MAINLINE ROADWAY SENSOR APPLICATION THAT REQUIRES TWO SENSORS.
 B) ONE MVDS MAY BE UTILIZED FOR MAINLINE ROADWAY SENSING, WHILE THE SECOND IS UTILIZED FOR RAMP COUNTING OR ROD. THE CONTRACTOR SHALL ORIENT THE MVDS UNITS PERPENDICULAR TO THE ROADWAY BEING DETECTED.
- BATTERY ENCLOSURE TO BE ATTACHED ON THE SIDE OF THE POLE UPSTREAM TO TRAFFIC.

TOLLWAY STANDARDS

L1-01: FIBER OPTIC SYSTEM TYPICALS AND DRAWINGS
 L2-00: FIBER OPTIC SPLICING DETAILS

M-ITS-1001



GENERAL NOTES
 POLE MOUNTED ITS
 ELEMENT ASSEMBLY

DATE
 3-01-2020

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DRAWN BY KDW
 CHECKED BY JPM

DATE 4-3-2020
 SCALE NONE

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 ITS GENERAL
 NOTES, LEGEND, AND QUANTITIES

SHEET ITS-01

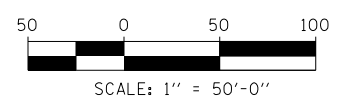
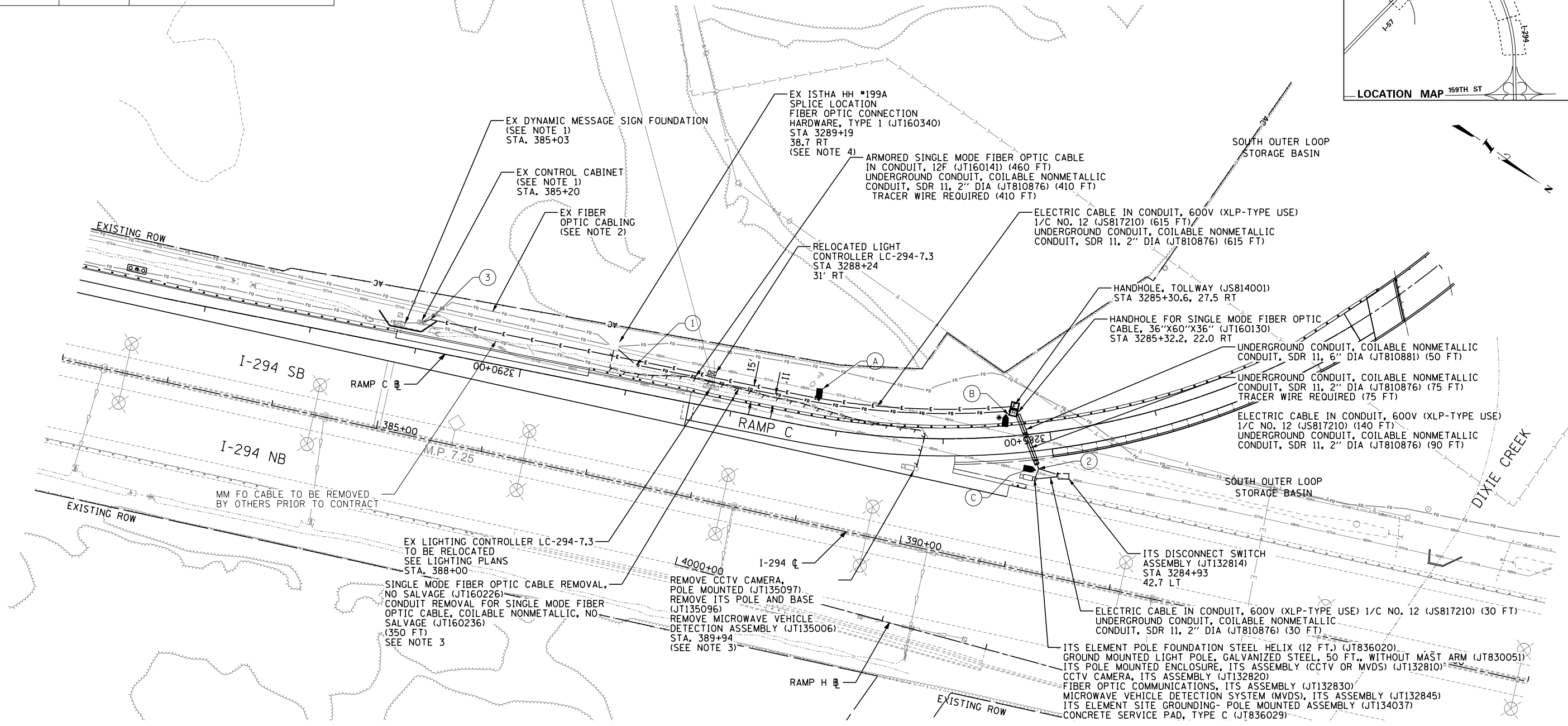
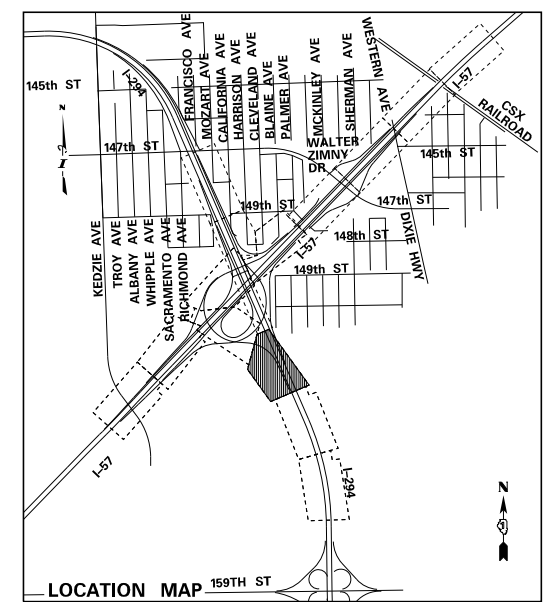
244 OF 606

- NOTES:
1. DMS FOUNDATION AND CONTROLLERS TO BE PROTECTED IN AREA OF PROPOSED EMBANKMENT PRIOR TO CONSTRUCTION OF RAMP C.
 2. SINGLE MODE FO CABLE TO BE INSTALLED BY G4S PRIOR TO CONSTRUCTION OF THIS CONTRACT.
 3. NEW ITS EQUIPMENT MUST BE INSTALLED AND OPERATIONAL BEFORE EXISTING CCTV EQUIPMENT IS REMOVED.
 4. SPLICING INTO TOLLWAY MAIN FIBER LINE TO BE PERFORMED BY G4S.

LEGEND

- EXISTING SINGLE MODE FIBER WARNING MARKER
- HANDHOLES TOLLWAY (JS814001)
- HANDHOLE FOR SM FO CABLE 36X60X36 (JT160098)
- CABLE MARKER WARNING SIGN WITH POST FOR FIBER OPTIC CABLE
- LOCATE POST FOR FIBER OPTIC CABLE
- EXISTING FIBER OPTIC CABLE IN CONDUIT
- PROPOSED SINGLE MODE FIBER OPTIC CABLE IN CONDUIT
- PROPOSED ELECTRIC CABLE IN CONDUIT
- EXISTING SINGLE MODE FIBER OPTIC CABLE AND CONDUIT TO BE REMOVED

LETTER	STATION	OFFSET	DESCRIPTION
①	3288+95.17	25.0 RT	FO CABLE KINK PT
②	3285+14.29	32.8 LT	FO AND ELECTRIC CABLE KINK PT
③	3290+91.62	29.1 RT	ELECTRIC CABLE
A	3287+21	24.0 RT	CALBE MARKER WARNING SIGN
B	3285+39	25.0 RT	LOCATE POST FOR FIBER OPTIC CABLE
C	3285+17	34.0 LT	CABLE MARKER WARNING SIGN



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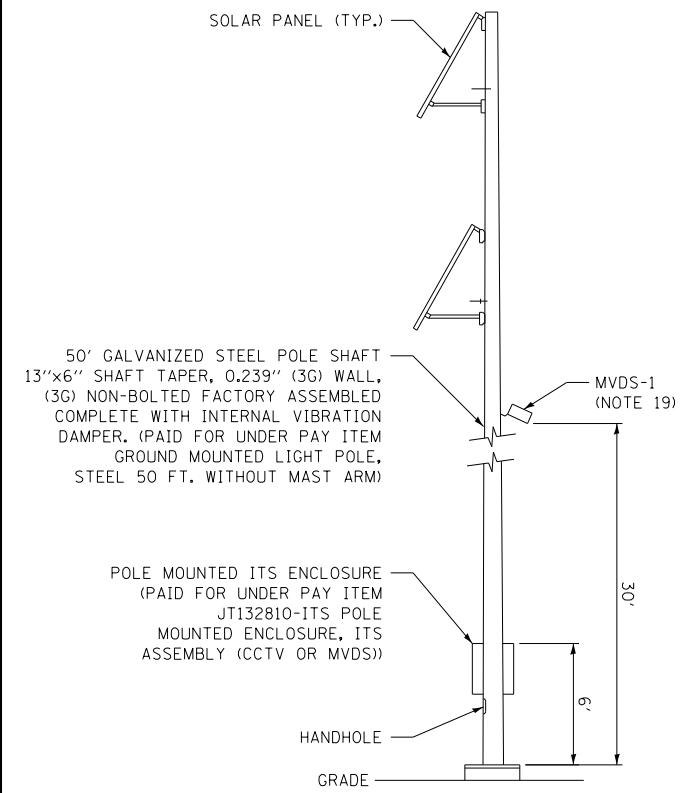
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

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NO.	DATE	DESCRIPTION

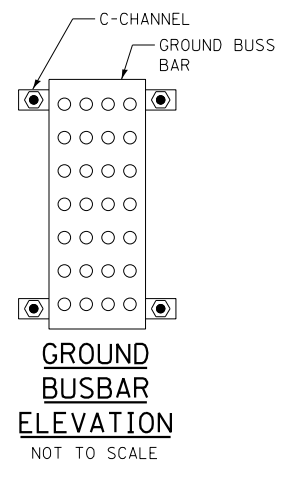
CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 ITS PLANS

SHEET ITS-02
 245 OF 606

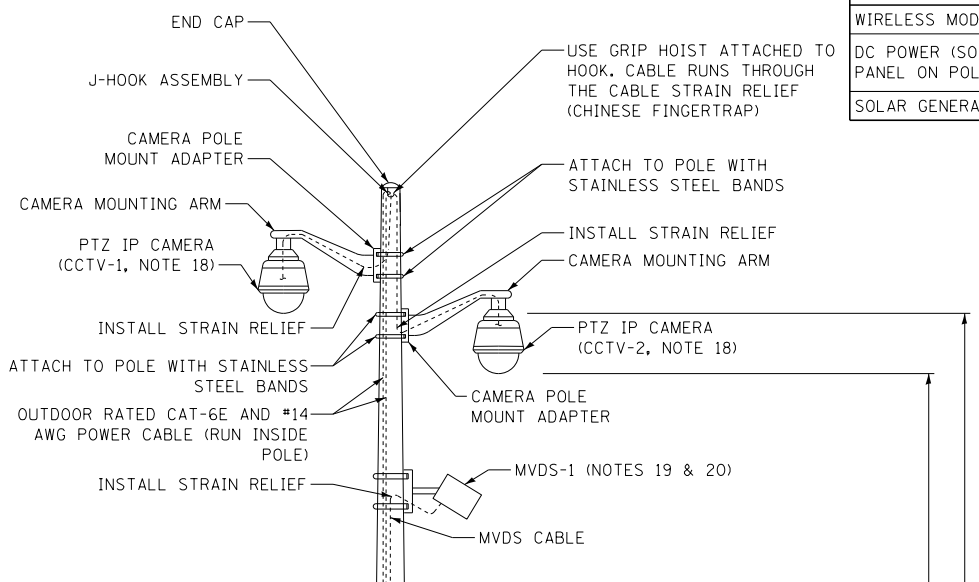
ELEMENT	SITE				SUPPORT TYPE		
	MILEPOST	STATION	OFFSET	ORIENTATION	POLE	FOUNDATION	MOUNTING HEIGHT
CCTV-1							
CCTV-2	7.25	391+10.0	85.8 LT	SOUTH	GALV.	12' HELIX	48'
MVDS-1	7.25	391+10.0	85.8 LT	NORTH	GALV.	12' HELIX	SEE NOTE 19 & 20
MVDS-2							
MVDS-3							
WIRELESS MODEM							
DC POWER (SOLAR PANEL ON POLE)							
SOLAR GENERATOR							



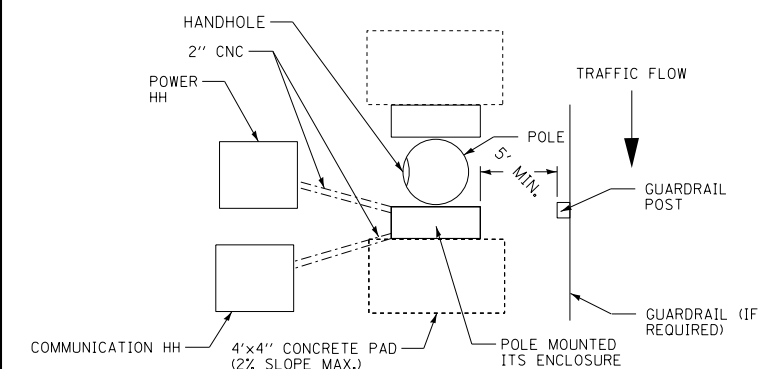
50' STEEL POLE MOUNTED ITS ELEMENT ASSEMBLY



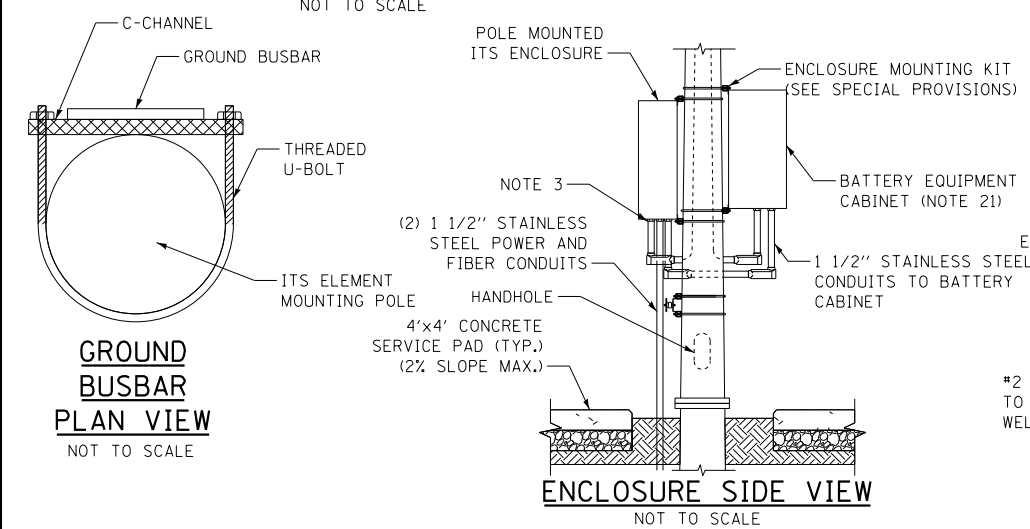
GROUND BUSBAR ELEVATION
NOT TO SCALE



50' GALVANIZED STEEL POLE MOUNTED ITS ELEMENT ASSEMBLY

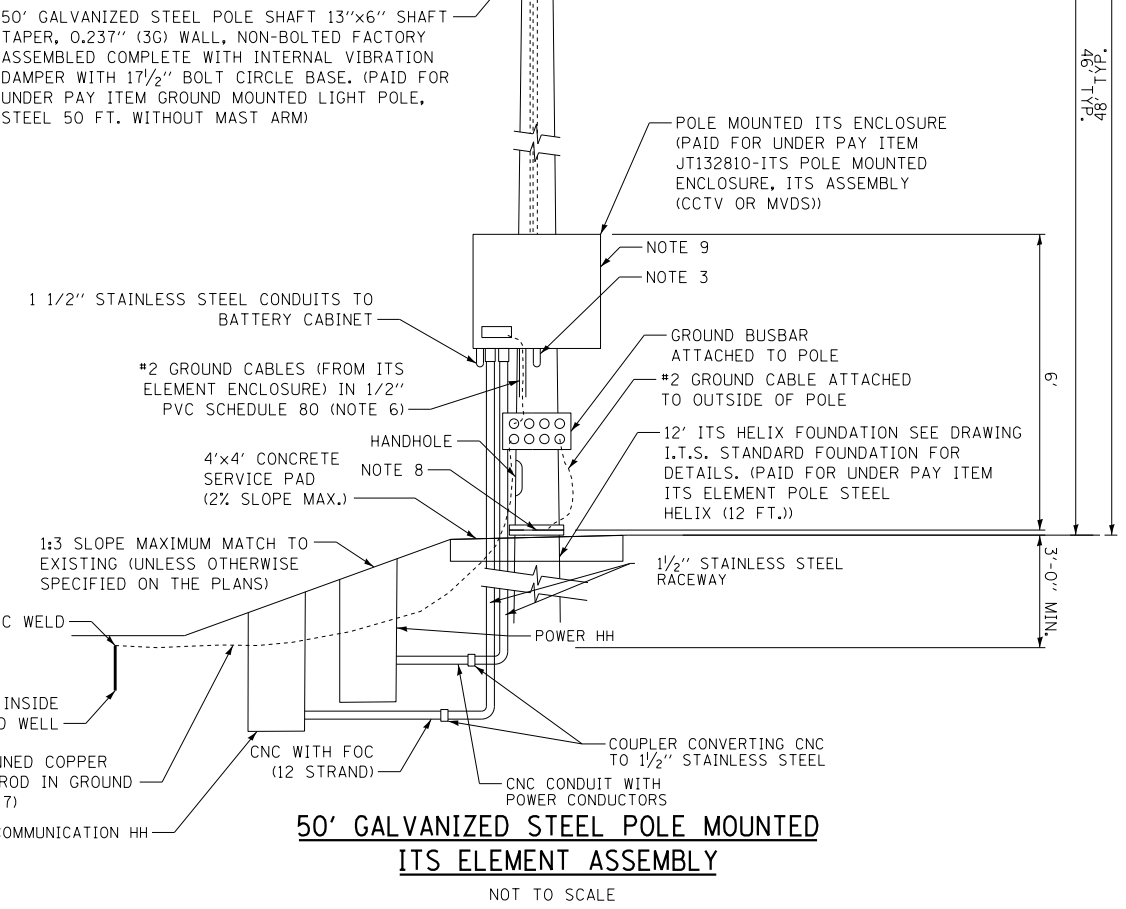


POLE MOUNTED ITS ELEMENT ASSEMBLY - TOP VIEW

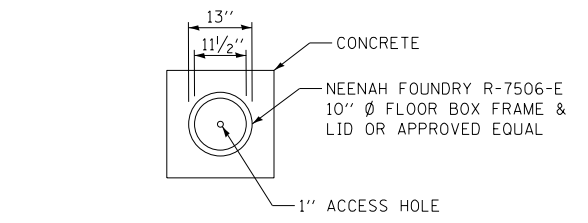


GROUND BUSBAR PLAN VIEW
NOT TO SCALE

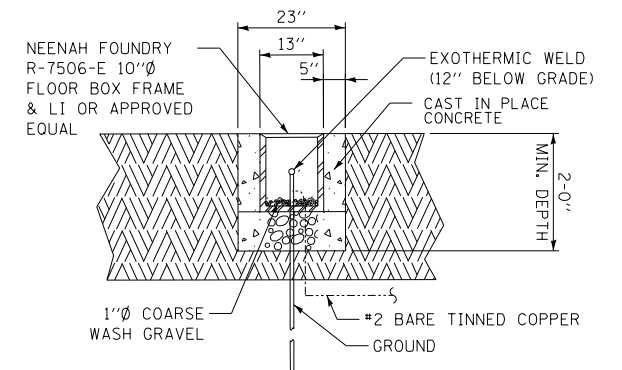
ENCLOSURE SIDE VIEW
NOT TO SCALE



50' GALVANIZED STEEL POLE MOUNTED ITS ELEMENT ASSEMBLY



GROUND WELL PLAN DETAIL
NOT TO SCALE



GROUND WELL ELEVATION DETAIL
NOT TO SCALE

NOTE:
1. SEE ITS-01 FOR NOTES.

M-ITS-1000



**ELEVATION VIEWS
POLE MOUNTED ITS
ELEMENT ASSEMBLY**

DATE
3-01-2020

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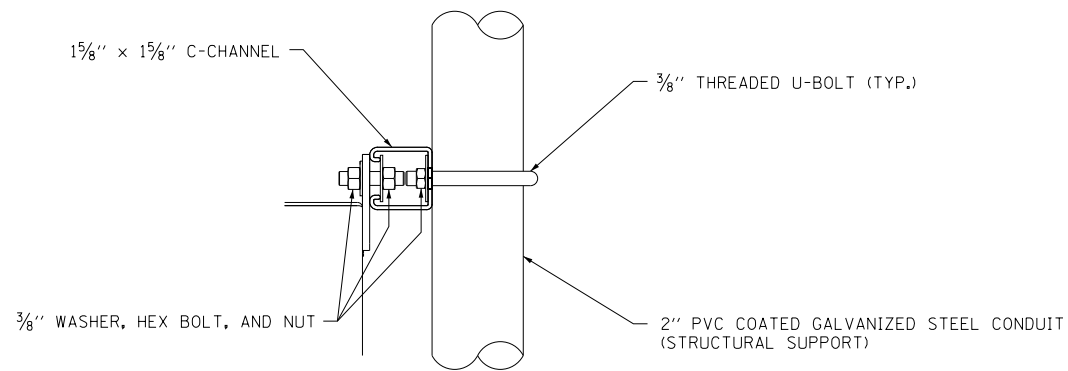


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
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REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT	I-19-4495	SHEET	ITS-03
I-57 AT 294 RAMPS C AND F2 ITS POLE MOUNTED ITS ELEMENT ASSEMBLY DETAILS		246	OF 606

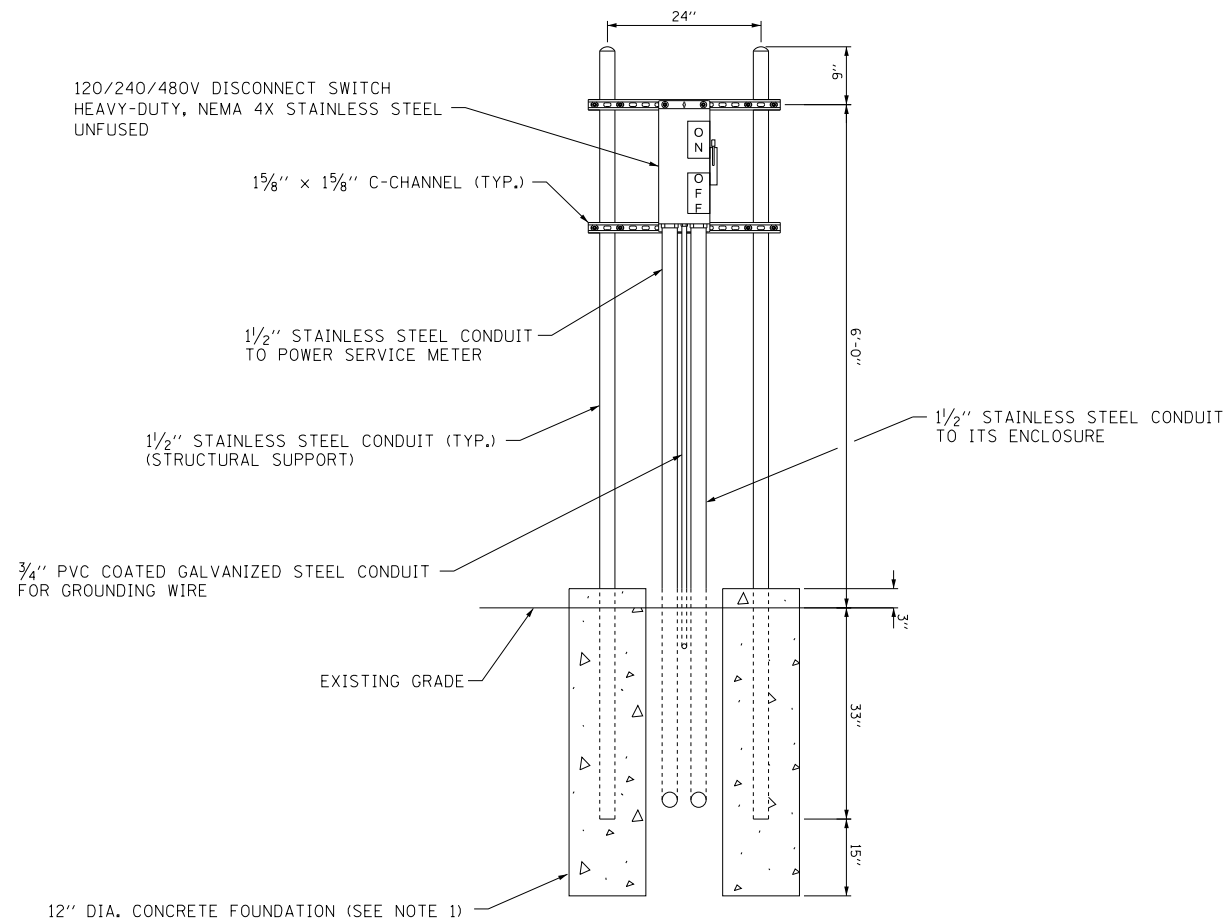
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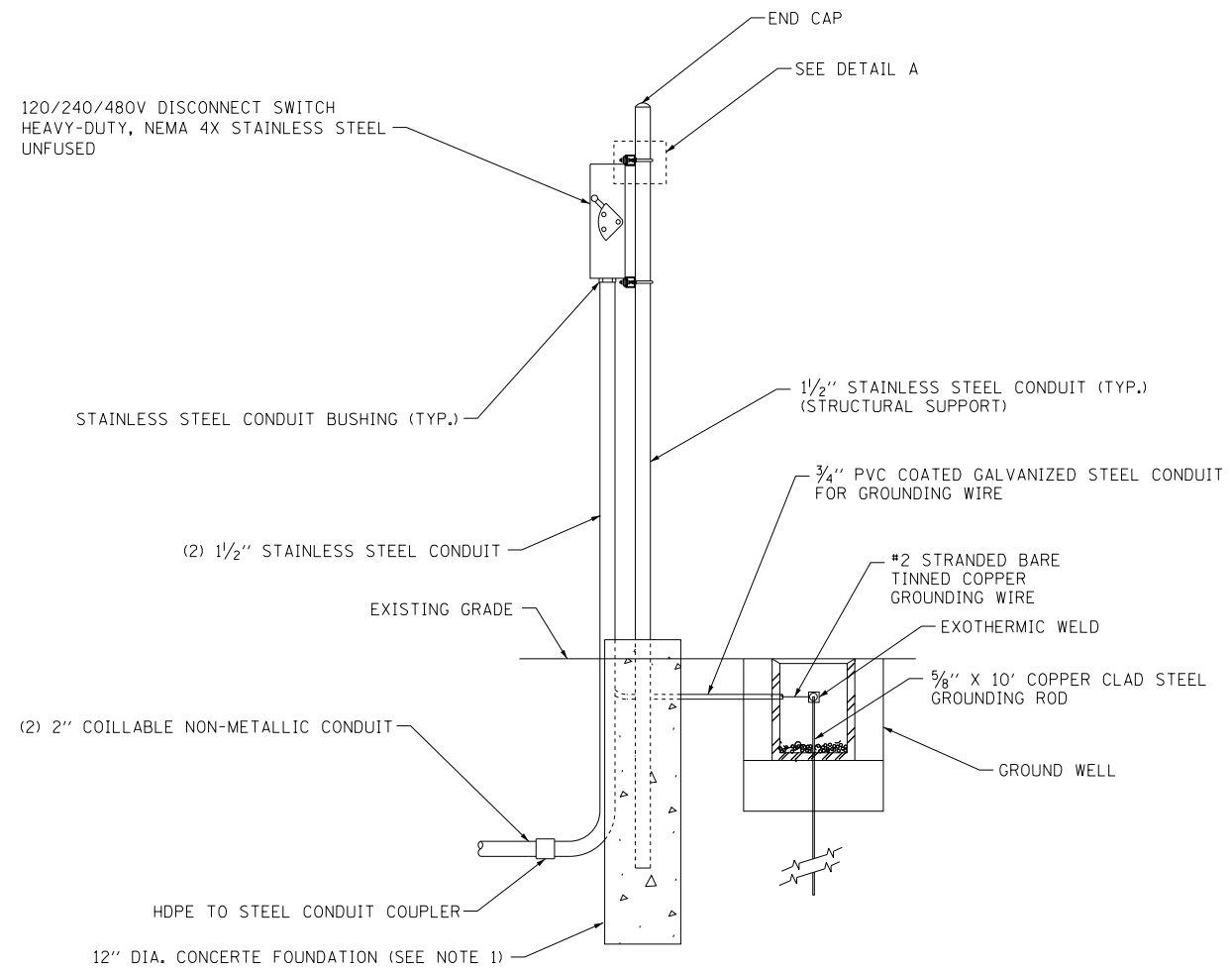
DETAIL A - TYPICAL MOUNTING ATTACHMENT CONNECTION

NOTES:

1. CONTRACTOR MAY ELECT TO CONSTRUCT A SINGLE, MONOLITHIC FOUNDATION IN PLACE OF THE FOUNDATION SHOWN ON THIS SHEET. CONTRACTOR SHALL SUBMIT ALTERNATE FOUNDATION DESIGN TO ENGINEER PRIOR TO CONSTRUCTION.
2. ALL CONCRETE SHALL BE IDOT CLASS SI.
3. DISCONNECT SWITCH, POSTS, FOUNDATION, AND MOUNTING HARDWARE ARE INCLUDED IN PAY ITEM "ITS DISCONNECT SWITCH ASSEMBLY" (JT132814).
4. DETAILS SHOWN IN THIS DRAWING APPLY ONLY TO LOCATIONS WHERE A STANDALONE DISCONNECT SWITCH IS REQUIRED AT AN ITS POLE.



DISCONNECT SWITCH ON ELECTRICAL FRAME
FRONT VIEW



DISCONNECT SWITCH ON ELECTRICAL FRAME
SIDE VIEW

M-ITS-1000
SHEET 2 OF 2



ELEVATION VIEWS
POLE MOUNTED ITS
ELEMENT ASSEMBLY
2 OF 2

DATE
3-01-2020

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DATE 4-3-2020
SCALE NONE

TYLIN INTERNATIONAL

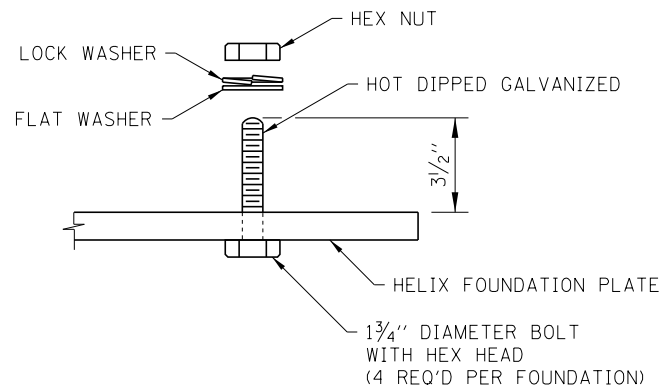


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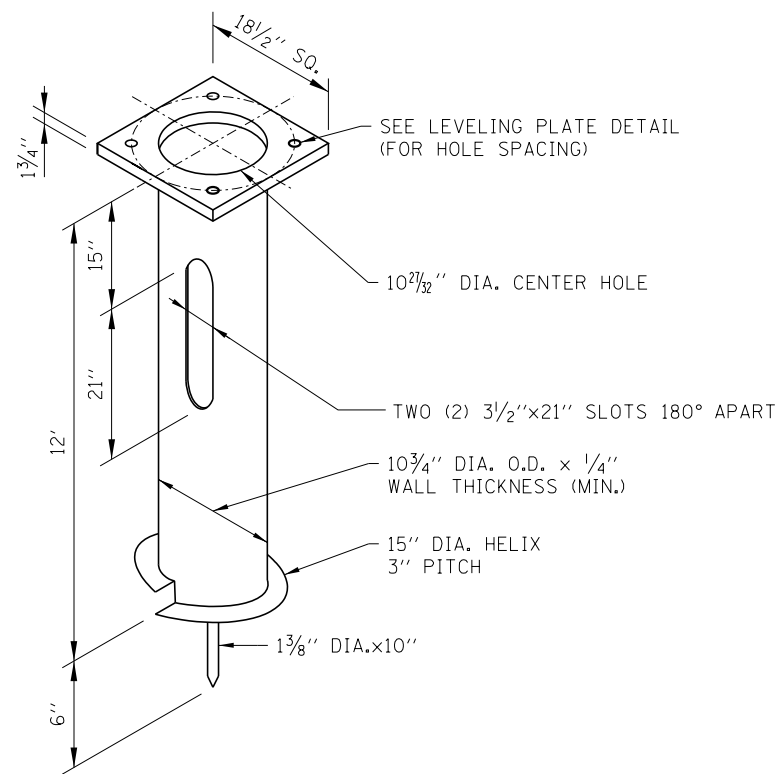
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
ITS POLE MOUNTED ITS
ELEMENT ASSEMBLY DETAILS

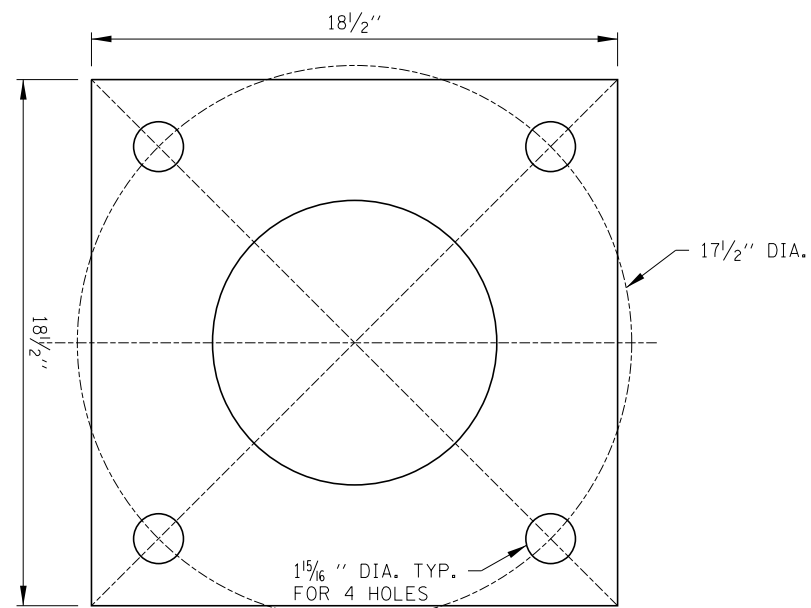
SHEET ITS-04
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BASE ATTACHMENT DETAIL
17 1/2" BASE DIA.



ISOMETRIC



LEVELING PLATE

HELIX - GROUND MOUNTED ASSEMBLY

M-ITS-1002



ITS STANDARD FOUNDATION

DATE
3-01-2020

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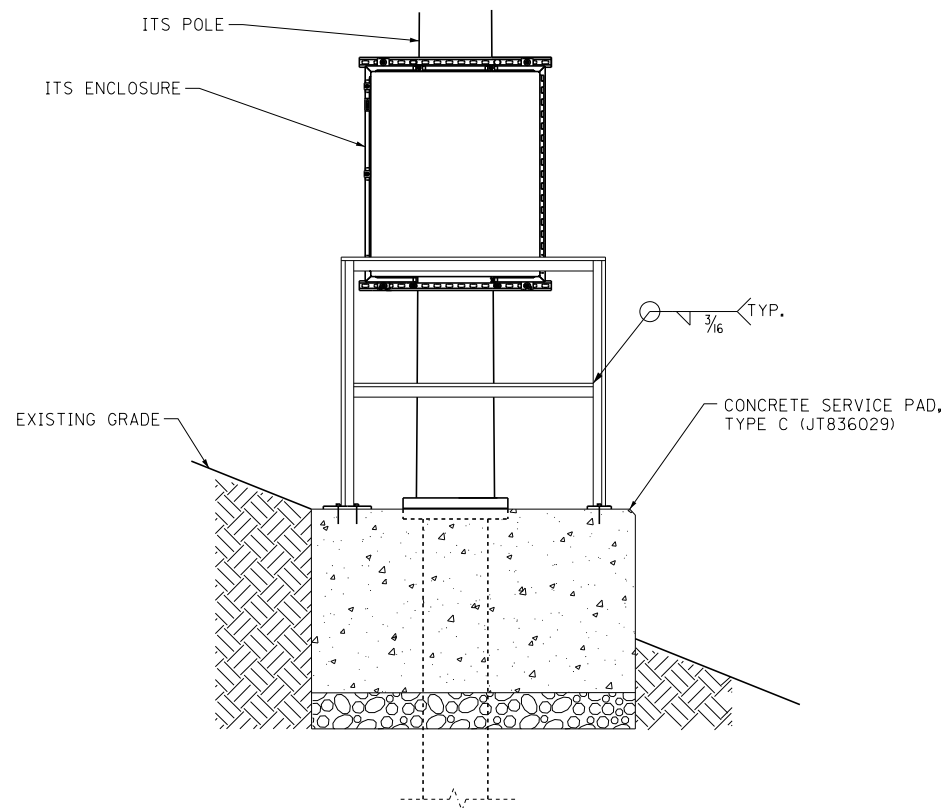
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
ITS STANDARD FOUNDATION

SHEET ITS-05
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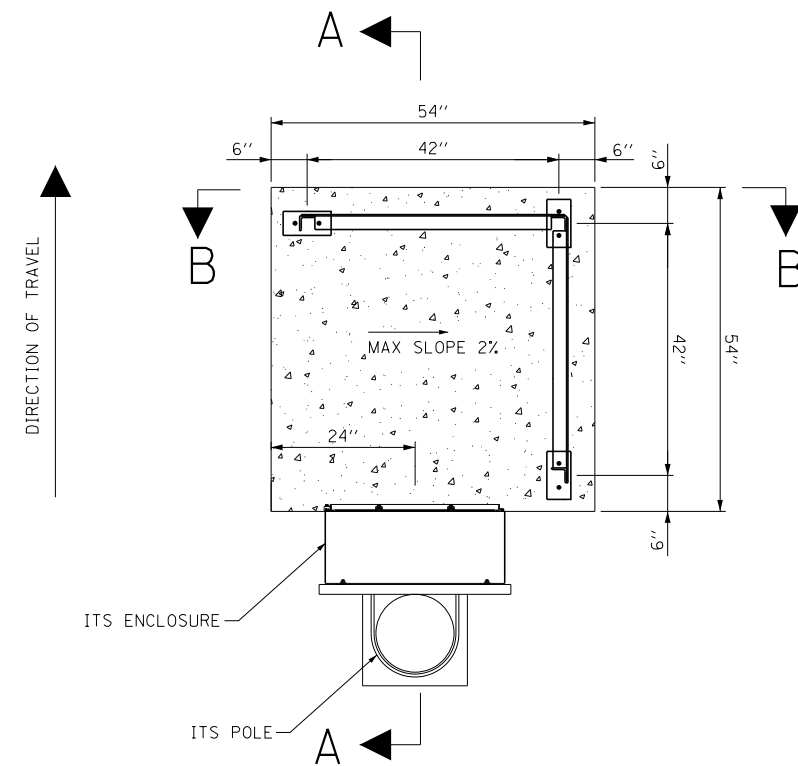
NOTES:

1. NOT USED
2. NOT USED
3. TYPE C SERVICE PADS SHALL BE INTALLED ON SLOPES GREATER THAN 1:3 AS SHOWN.
4. CONCRETE SHALL BE IDOT CLASS S1.
5. ALL EXPOSED CONCRETE EDGES SHALL HAVE A 1" MINIMUM CHAMFER.
6. CONTRACTOR SHALL TAKE PRECAUTIONS TO STABILIZE EXISTING ITS POLES AND HELIX FOUNDATIONS WHILE EXCAVATING SOIL FOR INSTALLATION OF CONCRETE SERVICE PADS.
7. COMPACTED SOIL SHALL BE PLACED TO BE LEVEL WITH THE SERVICE PAD. CONTRACTOR MAY USE EXCVATED SOIL FROM PLACING THE PAD'S AGGREGATE BASE FOR GRADING PURPOSES WITH APPROVAL OF THE ENGINEER. SEEDING AND EROSION CONTROL SHALL BE PER THE GENERAL NOTES ON SHEET EC-01.
8. SOIL EXCAVATED FOR THE PURPOSE OF MAINTAINING A STABLE WORKING SLOPE WHILE INSTALLING THE SERVICE PAD SHALL BE REPLACED. BACKFILL SHALL BE EARTH WHICH IS FREE FROM DEBRIS, CINDERS, AND ROCKS MEASURING 2" OR GREATER IN DIAMETER. IN THE EVENT THAT EXCAVATED MATERIAL IS UNSUITABLE FOR USE AS BACKFILL, THE CONTRACTOR SHALL USE A CLEAN, NATURAL SAND. THIS SUBSTITUTE BACKFILL SHALL BE INCIDENTAL TO THE SERVICE PAD INSTALLATION AND WILL NOT BE PAID FOR SEPARATELY. ALL BACKFILL MATERIALS SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER.
9. THE TOP SURFACE OF SOIL DISTURBED BY EXCAVATION FOR PLACING THE SERVICE PADS SHALL BE SEEDED AND AND PROTECTED WITH EROSION CONTROL MEASURES PER THE GENERAL NOTES ON SHEET EC-01



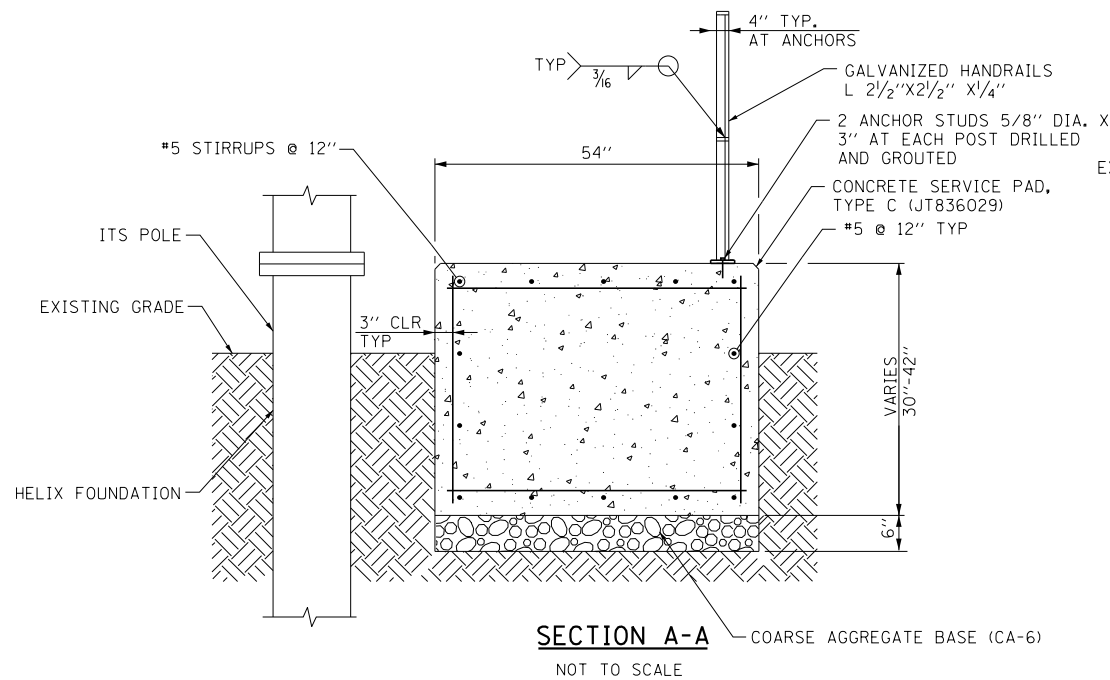
**CONCRETE SERVICE PAD, TYPE C
ELEVATION VIEW**

NOT TO SCALE



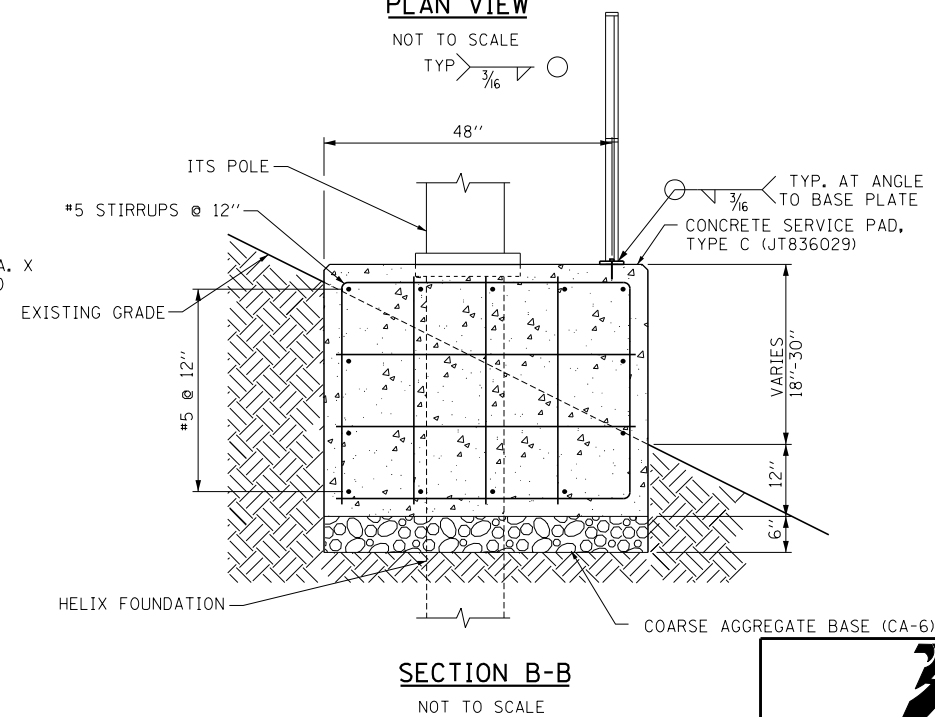
**CONCRETE SERVICE PAD, TYPE C
PLAN VIEW**

NOT TO SCALE



SECTION A-A

NOT TO SCALE



SECTION B-B

NOT TO SCALE

M-ITS-1003



ITS CONCRETE SERVICE PAD

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3-01-2020

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DATE 4-3-2020
SCALE NONE

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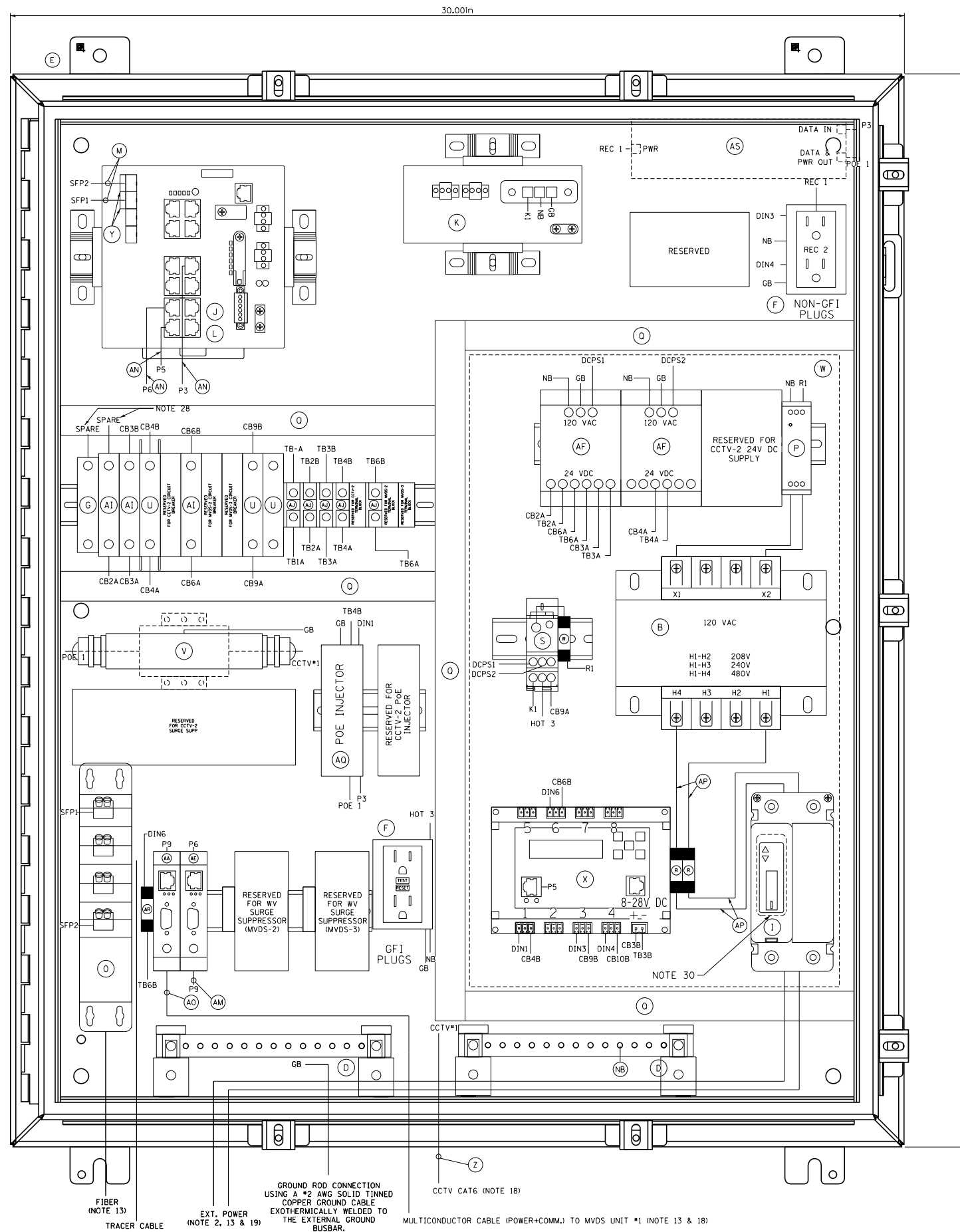
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NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
ITS CONCRETE SERVICE PAD

SHEET ITS-06

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- ITEM DESCRIPTION
- A NOT USED FOR THIS SHEET APPLICATION
 - B CONTROL POWER TRANSFORMER, 1000VA, 208/240/480-120VAC, 1PH SQUARE D/CLASS 9070 - T1000 D95
 - C NOT USED FOR THIS SHEET APPLICATION
 - D TWO (2) GROUNDING BAR SYSTEM HOFFMAN/PGS2K. BONDED OR SEPARATED AS REQUIRED.
 - E NEMA 4X STAINLESS STEEL, 36" H X 30" W X 12" D ENCLOSURE WITH 33" X 27" PANEL, HOFFMAN/A36H3012SS6LP & A36P30
 - F TWO DUPLEX 120V RECEPTACLES, ONE GFCI AND NON-GFI (SEE NOTE 9) HUBBELL/GFR5362 & BR20WR
 - G 24VDC, 1P, 15A CIRCUIT BREAKER SCHNEIDER ELECTRIC/MGN61510
 - H NOT USED FOR THIS SHEET APPLICATION
 - I 480V, 2P, 30A CIRCUIT BREAKER WITH TERMINAL SHIELD EATON/HFD2030L & G25B229G07
 - J NETWORK SWITCH CISCO IE-4000-8T4G-E
 - K CISCO POWER SUPPLY, PWR-1E170W-PC-AC=
 - L IP SERVICES LICENSE: L-1E4000-RTU=
 - M 2 METER - SMFO LC-LC DUPLEX JUMPERS, CORNING/040402R5Z2002M
 - N NOT USED FOR THIS SHEET APPLICATION
 - O SMF PATCH PANEL WITH LC CONNECTORS FIBER CONNECTIONS G420U08LAN-405-0 (405 FT)
 - P 120VAC SURGE SUPPRESSOR, MOUNTED ON DIN RAIL COOPER CROUSE HINDS/MA15/D1/S1 OR APPROVED EQUAL
 - Q PANDUIT WIRING DUCT (OR EQUIVALENT) PANDUIT/FIX2LG6 WITH COVER-CILG6
 - R 10 AMP FUSE, GOULD (MERSEN)/ATM-10
 - S SPLICE BLOCK, ALTECH/38041
 - T NOT USED FOR THIS SHEET APPLICATION
 - U 5A CIRCUIT BREAKER, ALLEN BRADLEY/1492-SPMIB050
 - V CAT6 PoE+ SURGE SUPPRESSOR: USE AXIS T8061 FOR AXIS PoE CAMERA AND USE DITEK DTK-MR10P0ES FOR COHU PoE CAMERA.
 - W CLEAR POLY METHYL METHACRYLATE (PMMA, PLEXIGLAS) SAFETY COVER ENCOMPASSING ITEMS AF, P, S, R, B, X, & I. (THE INSTALLER SHALL PERMANENTLY AFFIX A LABEL STATING "DANGER 480 VAC" OR "DANGER 240 VAC" OR "DANGER 120 VAC" FOR 120 VAC AS FIELD CONDITIONS WARRANT.)
 - X POWER CONTROLLER, 8-CHANNEL DIN ETHERNET RELAY DIGITAL LOGGERS/DIN 4
 - Y (2) CISCO GLC-LX-SM-RGD = 1 GBPS SM SFP MODULES
 - Z CATEGORY 6 CABLE, 23 AWG, OUTDOOR RATED CABLE BELDEN/7953A
 - AA SENSOR SURGE SUPPRESSION, WAVETRONIX - CLICK-200 OR ISS ZONE BARRIER ZB24510
 - AB NOT USED FOR THIS SHEET APPLICATION
 - AC NOT USED FOR THIS SHEET APPLICATION
 - AD NOT USED FOR THIS SHEET APPLICATION
 - AE RS-232 / RS-485 TO ETHERNET CONVERTOR WAVETRONIX - CLICK-301 OR ISS-MOXA P5150A, OK-35A
 - AF AC/DC POWER SUPPLY, 24VDC WAVETRONIX - CLICK-204 OR ISS LAMBDA DSP100-24
 - AG NOT USED FOR THIS SHEET APPLICATION
 - AH NOT USED FOR THIS SHEET APPLICATION
 - AI 2A CIRCUIT BREAKER, ALLEN BRADLEY/1492-SPMIB020
 - AJ TERMINAL BLOCK, ALLEN BRADLEY/1492-CD8
 - AK MVDS ASSEMBLY (NOT SHOWN), SEE SPECIAL PROVISIONS WAVETRONIX (SMART SENSOR HDSS-126) OR ISS (SX-300)
 - AL TRANSFORMER COVERS, SQUARE D/9070FSC2
 - AM 5-CONDUCTOR JUMPER (Tx, Rx, GND, RTS, CTS), RS-232 SERIAL COMMUNICATIONS (APPLICABLE TO ISS/MOXA)
 - AN INDOOR/OUTDOOR RATED CAT6 (1000MBS, TEMPERATURE HARDENED) THESE ARE THE CAT6 CABLES ROUTED INSIDE CABINET
 - AO MVDS CABLE, WAVETRONIX - WX-SS-706-60 OR ISS G4-CBL-60
 - AP #10 AWG
 - AQ PoE INJECTOR AXIS T8144 (ONLY REQUIRED FOR AXIS PoE CAMERAS)
 - AR T-BUS CONNECTOR (WAVETRONIX)
 - AS PoE INJECTOR COHU 7412007-003 (ONLY REQUIRED FOR COHU PoE CAMERAS)

- NOTES:
1. ALL POWER WIRING SHALL BE RHH/RHW WITH WIRE TERMINALS OR TINNED.
 2. CONTRACTOR TO VERIFY CORRECT TRANSFORMER TAPS ARE USED BASED ON INCOMING POWER SOURCE.
 3. ALL CABLES AND EQUIPMENT SHALL BE PROPERLY DRESSED AND LABELED. ALL CONDUITS SHALL BE PROPERLY PLUGGED WITH DUCT SEAL PUTTY (RAINBOW TECHNOLOGIES OR EQUIVALENT).
 4. SHEET SHOWS BOTH POE INJECTOR OPTIONS USING A 120VAC SUPPLY AND 24VDC SUPPLY. DEVICES REQUIRED FOR THE 120VAC SUPPLY ARE DENOTED WITH A DASHED LINE.
 5. EACH 120VAC OUTLET, PS OR TRANSFORMER (ITEM F, K, L, & AF) SHALL BE FED FROM A SEPARATE INPUT LINE.
 6. MOUNT ITEMS J & K ON A 11.75 INCH CONTINUOUS SECTION OF DIN RAIL. THE DIN RAIL SHALL BE INSTALLED WITH THE CENTER LINE NO LESS THAN 5 INCHES FROM ANY OBSTACLE ABOVE AND NO LESS THAN 4 INCHES FROM ANY OBSTACLE BELOW. ALL DIN RAIL SHALL BE GROUNDED.
 7. ALL CABLES INSTALLED WITHIN THE CABINET AND POLE SHALL BE OUTDOOR RATED.
 8. WIFI COMMUNICATION SHALL BE DISABLED ON DIN ETHERNET RELAY.
 9. THE GFI OUTLETS LOAD SHALL NOT BE CONNECTED TO ANY OTHER LOAD IN THE ENCLOSURE. THE 1900 QUAD BOX GFIS ARE INTENDED TO BE UTILIZED FOR EXTERNAL EQUIPMENT ONLY. EACH OUTLETS TAB SHALL BE BROKEN SO THEY ARE INDEPENDENT.
 10. ALL BREAKERS SHALL BE LABELED (E.G. CAMERA-AC, CAMERA-DC, DIN RELAY-AC, DIN RELAY-DC, CELL MODEM-AC ETC.).
 11. NOT USED FOR THIS SHEET APPLICATION
 12. USE THE MOUNTING TABS ON THE IP RELAY UNIT TO MOUNT THE UNIT DIRECTLY TO THE BACK PLATE. REFER TO THE IP RELAY WIRING TABLE FOR WIRING DETAILS.
 13. ALL CABLES SHALL ENTER THE ENCLOSURE FROM THE BOTTOM. ALL POWER AND COMMUNICATION CABLE SLACK SHALL BE PLACED IN THE HANDHOLE.
 14. POWER FEED TO THE CISCO IE4000 SWITCH SHALL BE FROM THE 120VAC INPUT WHEN THE ENCLOSURE IS AC POWERED.
 15. NOT USED FOR THIS SHEET APPLICATION
 16. IF A SOLAR GENERATOR IS CONNECTED, THEN ITEM P AND THE SECONDARY SIDE OF ITEM B SHALL BE CONNECTED UNTIL A FINAL AC CONNECTION IS MADE.
 17. ITEM X IS USED TO CONTROL POWER TO THE CAMERAS AND DETECTORS. ALL 120VAC CONNECTIONS ON ITEM X SHALL BE PROTECTED.
 18. CABLES TO BE ROUTED THROUGH POLE.
 19. WHEN A 24VDC TO 120VAC POWER GENERATOR IS CONNECTED, THEN THE 480VAC TO 120VAC STEP DOWN TRANSFORMER IS BYPASSED.
 20. NOT USED FOR THIS SHEET APPLICATION
 21. NOT USED FOR THIS SHEET APPLICATION
 22. DIN RAIL SHALL BE INSTALLED AS ILLUSTRATED ON DRAWING. DIN RAIL SHALL BE GROUNDED TO THE GROUND BUS.
 23. BOND NEUTRAL AND GROUND BUSES TOGETHER, WHEN REQUIRED. TIE THE ENCLOSURE INTO THE GROUND BUS.
 24. ITEM W SHALL BE FORMED AND MOLDED TO FIT AROUND THE AREA DENOTED BY THE DASHED LINE. THE PLEXIGLASS SHALL BE MOUNTED TO THE BACKPLATE WITH SUFFICIENT AIR HOLES TO ALLOW HEAT TO ESCAPE THE AREA. THERE SHALL ALSO BE OPENINGS ON THE BOTTOM TO ALLOW CABLES TO BE PASSED FROM THE AC SECTION TO THE OTHER SECTIONS OF THE ENCLOSURE.
 25. ITEM AL SHALL BE PLACED ON ITEM B.
 26. ALL INTERNAL ENCLOSURE ROUTED AND TERMINATED CAT6 CABLE SHALL BE TEMPERATURE RATED.
 27. ALL INTERNAL 24VAC, 120VAC (STARTING ON SECONDARY SIDE OF ITEM B) AND ANY DC VOLTAGE POWER FEEDS USE #16 AWG CABLE.
 28. SPARE BREAKER RESERVED.
 29. ALL CONDUIT EXITING THE BOTTOM OF THE CABINET SHALL BE INSTALL IN-LINE WITH THE EQUIPMENT IT IS CONNECTED TO. THE CABLES SHALL BE INSTALLED IN A NEAT AND PROFESSIONAL MANNER.
 30. PROVIDE WINDOW IN PMMA SHIELD FOR ACCESS TO BREAKER. MOUNT BREAKER FLUSH WITH PMMA SHIELD USING MOUNTING BRACKET.

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 DATE **4-3-2020**
 SCALE **NONE**

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 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT **I-19-4495**
I-57 AT 294 RAMPS C AND F2
CABINET LAYOUT AND WIRING
ITS POLE MOUNTED ENCLOSURE
 SHEET **ITS-07**
250 OF **606**

M-ITS-1204

CABINET LAYOUT AND WIRING
 ITS POLE MOUNTED ENCLOSURE
 (1-CCTV CAMERA AND 1-MVDS)
 DATE 3-01-2020

TRAFFIC SURVEILLANCE GENERAL NOTES

1. THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM J.U.L.I.E.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO FACILITIES RESULTING FROM INACCURATE LOCATING.
3. THE CONTRACTOR MAY OBTAIN, ON REQUEST, PLANS FOR THE EXISTING ELECTRICAL FACILITIES FROM THE DEPARTMENT (IDOT).
4. THE CONTACT PERSON FOR THIS CONTRACT IS JEFF GALAS, TRAFFIC SYSTEMS CENTER MANAGER, 708-524-2145. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE DEPARTMENT AND THE INVOLVED PARTIES AS DIRECTED BY THE DEPARTMENT.
5. THE ENGINEERING DESIGN IN THESE PLANS IS BASED UPON FIELD INVESTIGATIONS OF CURRENT CONDITIONS AND REVIEW OF EXISTING DESIGN PLANS FOR THE INTERCHANGE PROJECT. THE ACTUAL CONDITIONS MAY BE DIFFERENT THAN THOSE DEPICTED. THE CONTRACTOR SHALL VERIFY THE EXISTING FIELD CONDITIONS PRIOR TO ANY CONSTRUCTION ACTIVITIES AND CORRELATE THESE CONDITIONS WITH THE PROPOSED CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL IDENTIFY TO THE ENGINEER ANY SIGNIFICANT DIFFERENCES BETWEEN THESE PLANS AND THE EXISTING FIELD CONDITIONS THAT COULD IMPACT HIS/HER EFFORTS PRIOR TO BEGINNING WORK. CORRECTIVE ACTIONS FOR PROBLEMS ENCOUNTERED AFTER THE CONTRACTOR HAS BEGUN WORK SHALL BE INCLUDED IN THE COST OF THE WORK UNLESS PREVIOUSLY IDENTIFIED TO THE ENGINEER.
6. ALL ELECTRICAL WORK SHALL CONFORM TO THE NATIONAL ELECTRIC CODE (NEC).
7. THE CONTRACTOR SHALL BE AWARE THAT TEST SOIL BORINGS WERE NOT MADE AT ALL LOCATIONS WHERE SURVEILLANCE ELEMENTS OR RELATED EQUIPMENT ARE TO BE INSTALLED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE SITE CONDITIONS AT THESE LOCATIONS BEFORE THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL IDENTIFY ANY SIGNIFICANT CORRECTIVE ACTIONS WHICH MUST BE APPROVED BY THE ENGINEER.
8. WHENEVER CONDUITS (INCLUDING SPARES) ARE INSTALLED FOR FIBER OPTIC OR ELECTRICAL POWER CABLE, A POLYETHYLENE PULL ROPE WITH DETECTABLE METALLIC CONDUCTOR SHALL BE INSTALLED WITH THE CONDUIT. PULL ROPE SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED CONDUIT PAY ITEM.
9. THE QUANTITIES OF RACEWAYS WHERE INDICATED IN THE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
10. EXACT FIELD LOCATIONS OF SURVEILLANCE ITEMS SHALL BE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL TAKE CARE NOT TO INSTALL SURVEILLANCE ITEMS IN DRAINAGE AREAS.
11. ANY GROUND AREAS DISTURBED DURING THE INSTALLATION OF SURVEILLANCE FIELD DEVICES SHALL BE RE GRADED AND SEEDED TO THE SATISFACTION OF THE ENGINEER. THE COST SHALL BE INCLUDED IN THE ASSOCIATED SURVEILLANCE PAY ITEMS.
12. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, CONSTRUCTION METHODOLOGIES, PRODUCT MANUFACTURER SPECIFICATIONS, OWNERS MANUALS, AND USER MANUALS BEFORE PROCURING AND INSTALLING SURVEILLANCE ITEMS AS PART OF THIS CONTRACT. ALL PROPOSED SURVEILLANCE WORK SHALL BE REVIEWED AND APPROVED BY THE DEPARTMENT IN CONSULTATION WITH THE DESIGN ENGINEER.
13. NO WORK SHALL BE CONDUCTED BY THE CONTRACTOR ON ANY EXISTING STREET LIGHTING AND SURVEILLANCE CONDUIT, POLES, OR CONTROLLER CABINETS UNDER THE JURISDICTION OF THE DEPARTMENT WITHOUT FIRST NOTIFYING THE DEPARTMENT 72 HOURS BEFORE COMMENCING WORK.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ALL APPLICABLE TRAFFIC CONTROL RULES AND REGULATIONS ACCORDING TO SECTION 701 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR MAY BE REQUIRED TO INSTALL ADDITIONAL SIGNS AND APPURTENANCES TO MAINTAIN SAFE CONDITIONS IN THE WORK ZONE AT ALL TIMES AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE DEPARTMENT.
15. EXISTING SURVEILLANCE INSTALLATIONS ARE NOT REQUIRED TO REMAIN IN OPERATION DURING CONSTRUCTION. EXISTING CAMERAS MUST REMAIN IN OPERATION AT ALL TIMES AS SHOWN ON THE PLANS.

SUMMARY OF TRAFFIC SURVEILLANCE QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1397
81028730	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/4" DIA.	FOOT	107
81400200	HEAVY-DUTY HANDHOLE	EACH	3
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	6
87900200	DRILL EXISTING HANDHOLE	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	1
X0322247	MAINTENANCE OF EXISTING TRAFFIC SURVEILLANCE	L SUM	1
X0322441	DIGITAL LOOP DETECTOR SENSOR UNIT (4 CHANNEL)	EACH	2
X0323914	FIBER OPTIC CABLE SPLICE - LATERAL	EACH	1
X8100105	CONDUIT SPLICE	EACH	4
X8710027	FIBER OPTIC CABLE 4 FIBERS, SINGLE MODE	FOOT	470
X8730246	ELECTRIC CABLE IN CONDUIT, NO. 19 25 PAIR	FOOT	470
X8730312	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	FOOT	2515
X8850102	INDUCTION LOOP	FOOT	156
X8850109	PREFORMED INDUCTION LOOP	FOOT	191
X8950224	RELOCATE CONTROLLER CABINET	EACH	1
JT132727	CAMERA CONTROL CABLE	FOOT	590

LEGEND

- EXISTING TRAFFIC CONTROL SURVEILLANCE CONDUIT AND CABLING
- EXISTING TRAFFIC CONTROL SURVEILLANCE APPURTENANCES
- REMOVAL OF EXISTING SURVEILLANCE ITEMS
- AERIAL CABLING - SEE PLAN AND WIRING DIAGRAM SHEETS FOR DETAILS
- TEMPORARY WOOD POLE, 45 FEET, CLASS 5
- PROPOSED JUNCTION BOX - SEE PLANS FOR TYPE SPECIFIED
- PROPOSED HEAVY-DUTY HANDHOLE
- PROPOSED INDUCTION LOOP
- PROPOSED CONDUIT - SEE PLANS FOR TYPE AND DETAILS
- RELOCATED EXISTING CONTROLLER- SEE PLANS FOR DETAILS
- REINSTALLED EXISTING SURVEILLANCE CAMERA - SEE PLANS FOR LOCATION
- A.T.S. CONDUIT ATTACHED TO STRUCTURE
- E.I.S. CONDUIT EMBEDDED IN STRUCTURE
- O/S OFFSET
- SS STAINLESS STEEL
- (E) EXISTING

IDOT STATE STANDARDS

814001-03: HANDHOLES

IDOT DISTRICT 1 STANDARDS

BE-703: MISCELLANEOUS ELECTRICAL DETAILS, SHEET B
 J BOX EMBEDDED IN BARRIER WALL - INSTALLATION OF CONDUIT IN BRIDGE PARAPET EXPANSION JOINT - ELECTRIC CONNECTION TO UNDERPASS LIGHTING

IDOT TRAFFIC SYSTEMS CENTER STANDARDS

TSC-400 #11 - CABINET - HANDHOLE CONDUIT DETAIL
 TSC-400 #15 - PC CONCRETE - HEAVY DUTY HAND HOLE
 TSC-418 #1 - EXISTING ROUND LOOP INSTALLATION
 TSC-418 #2 - EXISTING ROUND LOOP TYPICALS
 TSC-418 #3 - RECTANGULAR INDUCTION LOOP TYPICAL
 TSC-418 #4 - LOOP, CONDUIT & DUCT INSTALLATION DETAILS
 TSC-418 #7 - LOOP STATUS REPORT
 TSC-418 #8 - DIVE HOLE DUCT SYSTEM

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 CHECKED BY JPM

DATE 4-3-2020
 SCALE NONE

TYLIN INTERNATIONAL



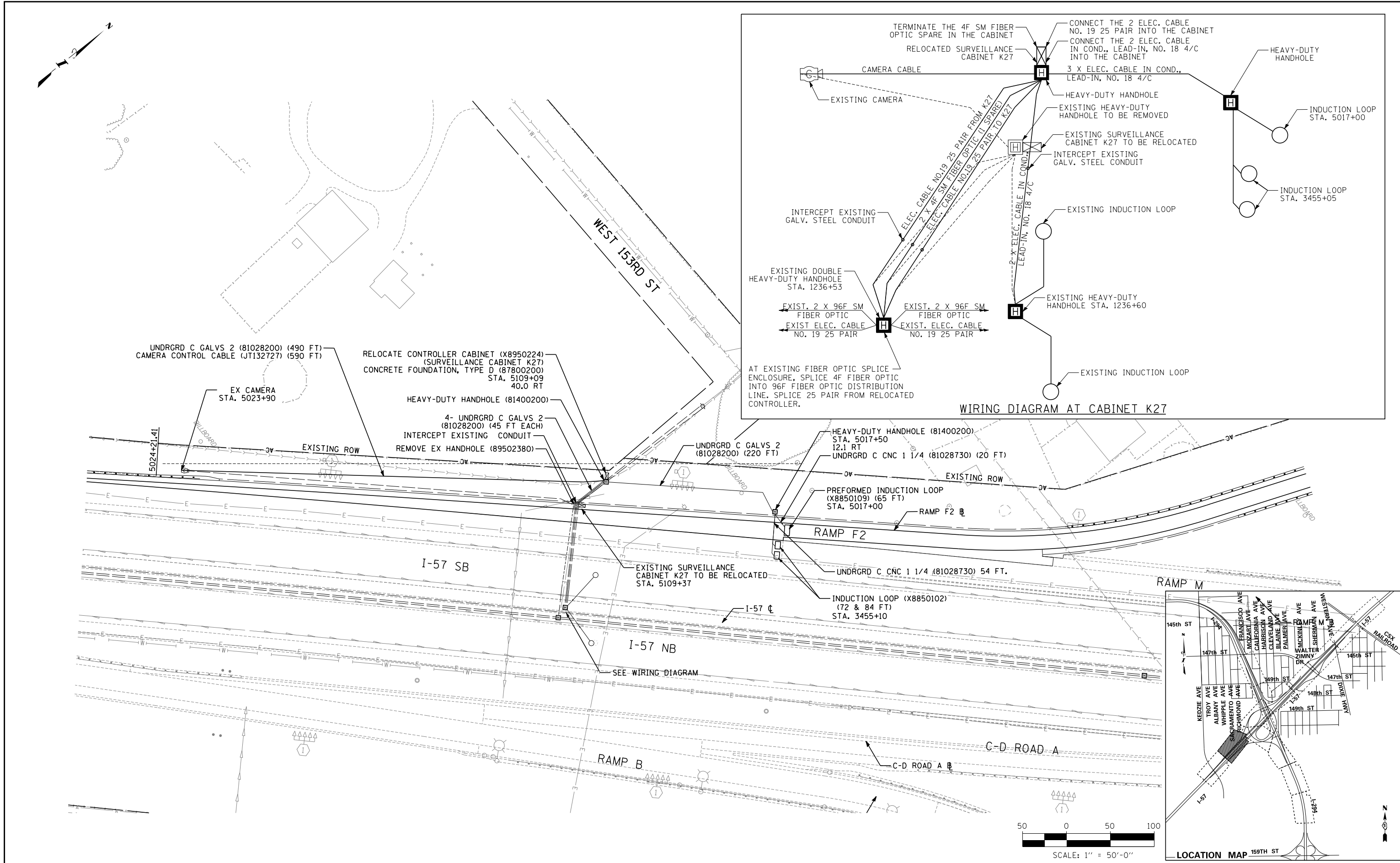
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 TRAFFIC SURVEILLANCE GENERAL
 NOTES, LEGEND, AND QUANTITIES

SHEET TS-01


251 OF 606



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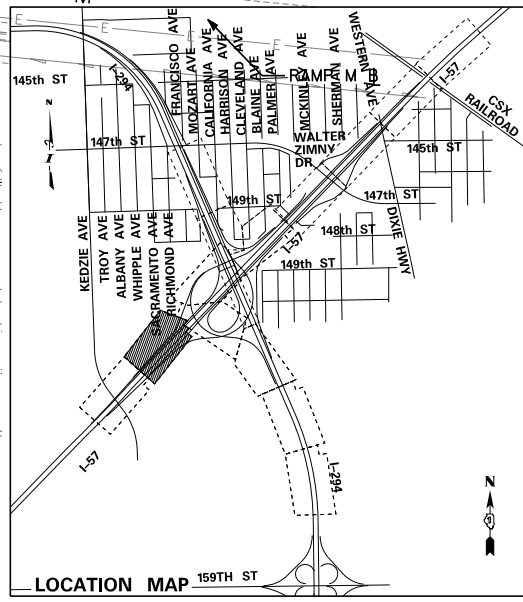
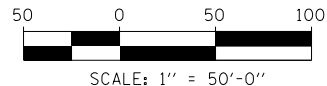
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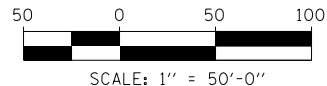
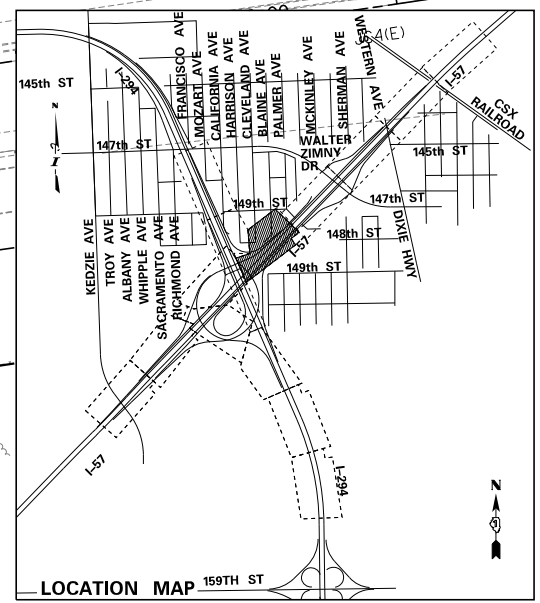
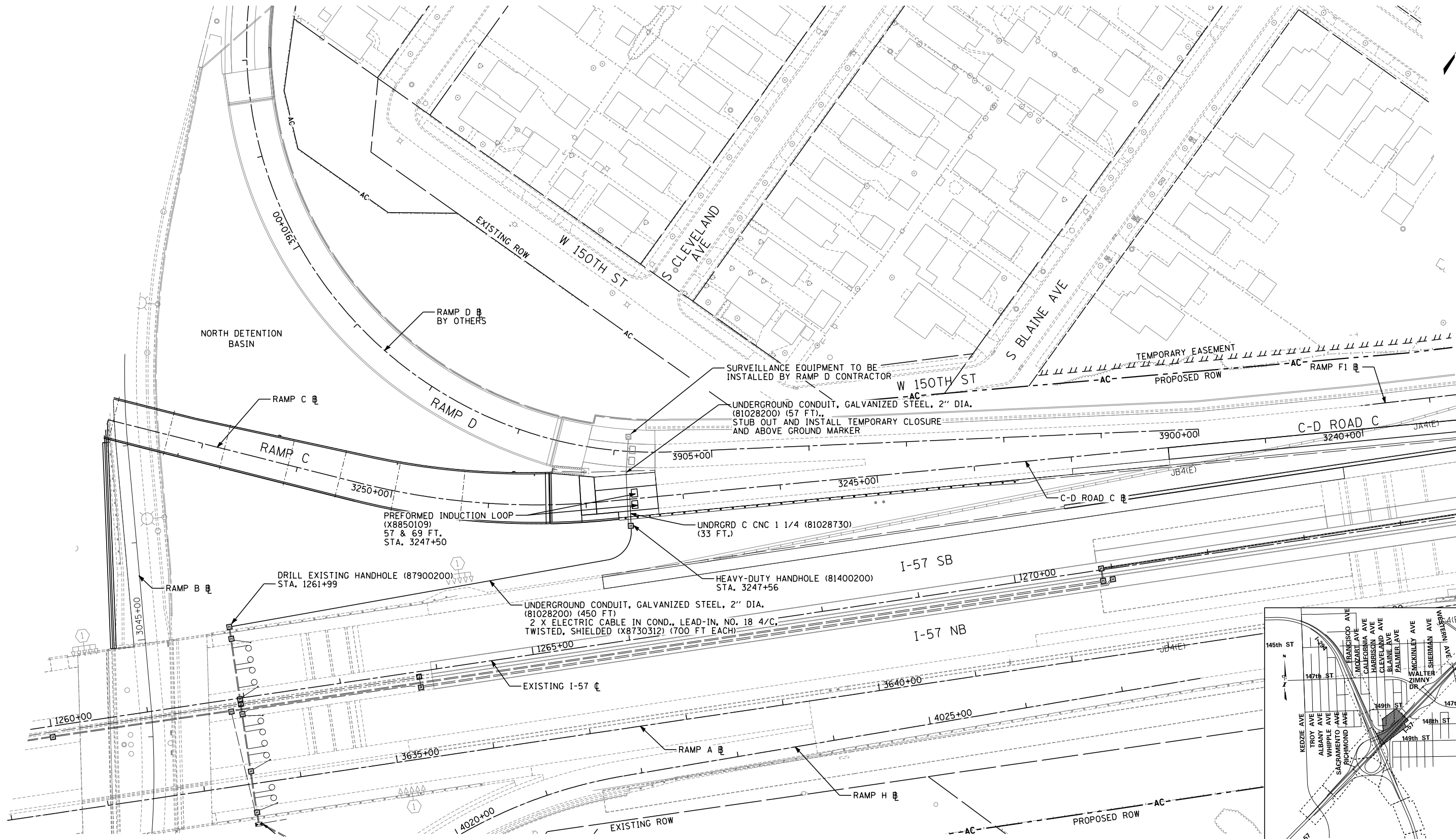

THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
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 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
TRAFFIC SURVEILLANCE PLAN

SHEET TS-02
252 OF 606





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 2/13/2020

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 CHECKED BY
 DATE *4-3-2020*
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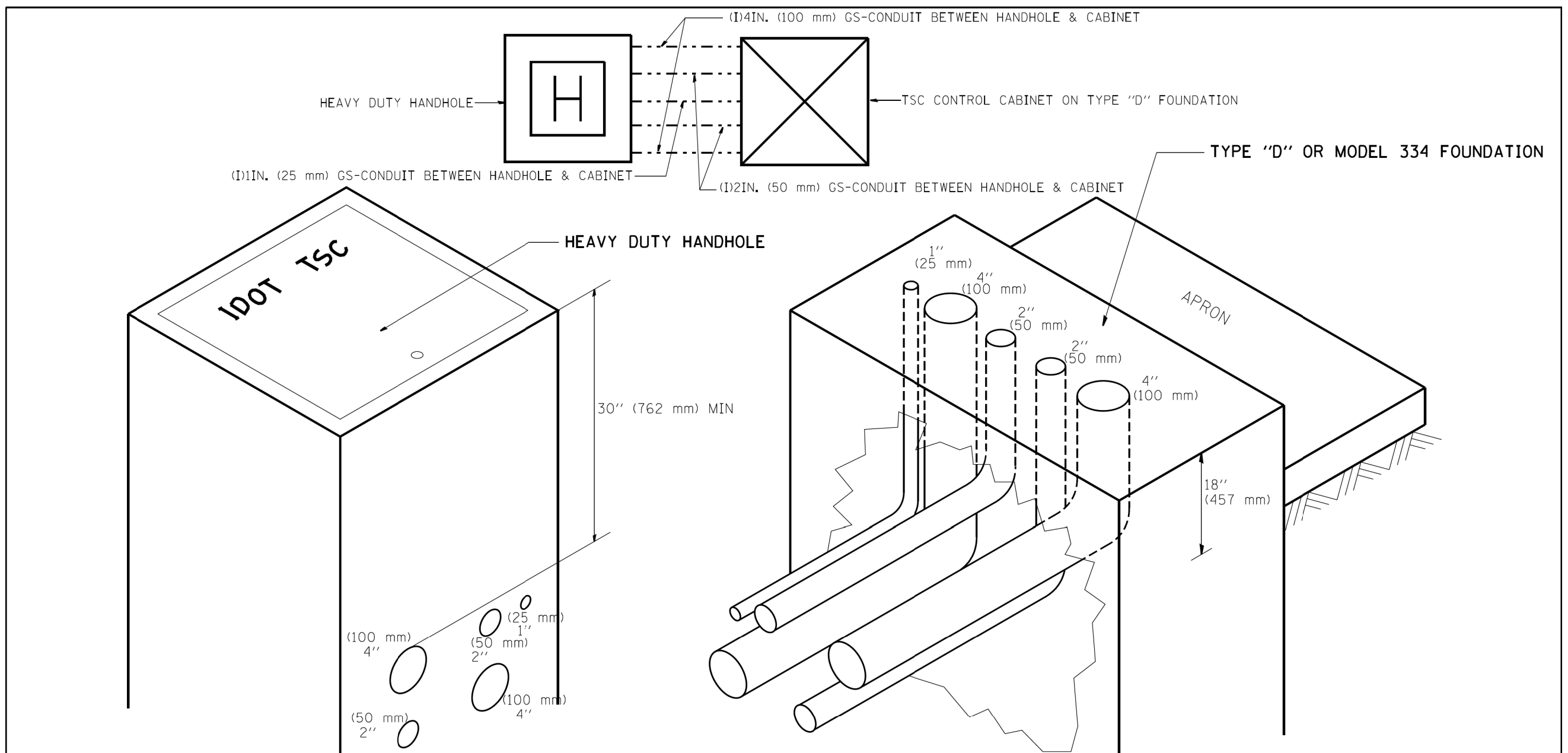
TYLIN INTERNATIONAL


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
TRAFFIC SURVEILLANCE PLAN

SHEET *TS-03*
253 OF **606**



- NOTES:**
- 1) ALL DUCTS SHALL BE CONED IN HANDHOLES.
 - 2) ALL DUCTS SHALL BE GS-CONDUIT & GS 90 DEG. ELBOWS USED WHERE NEEDED.
 - 3) ALL DUCTS ENTER HANDHOLE AT MINIMUM DEPTH OF 30 INCH (762 mm)
 - 4) ALL HANDHOLE COVERS SHALL READ "IDOT TSC".
 - 5) ALL CABINET HANDHOLES SHALL BE HEAVY DUTY.
 - 6) DUCTS SHALL BE CENTERED IN CABINET FOUNDATION/HANDHOLE AS SHOWN.
 - 7) CONDUITS SHALL BE SPACED 305 mm (1 FOOT) CENTER TO CENTER IN HEAVY DUTY HANDHOLE.
 - 8) INSTALL 3/4" X 10' (20 mm X 3 m) COPPER CLAD STEEL GROUND ROD IN HDHH PROVIDED AS CABINET PAD. EXOTHERMIC WELD CONNECTION FROM GROUND ROD TO #6 GROUND WIRE INSULATED (GREEN).
 - 9) BOND ALL GSC CONDUITS IN CABINET FOUNDATION.
 - 10) INSTALL #6 GROUND WIRE IN 1IN. (25 mm) GSC FROM HANDHOLE TO CABINET.
 - 11) TYPE "D" FOUNDATION SHALL BE 18" FROM TOP OF FOUNDATION TO FINISHED GRADE.

FILE NAME =	USER NAME = mezag	DESIGNED - RLL	REVISED - 89/96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	CABINET - HANDHOLE CONDUIT DETAIL	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cd\pwork\pwork\mezag\0287541\TSC.dgn		DRAWN - GJM	REVISED - 83/99								
PLOT SCALE = 100,0000 ' / in		CHECKED - RLL	REVISED - 84/99			SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.
PLOT DATE = 12/6/2012		DATE - 06/05/95	REVISED - 87/2018			TRAFFIC SYSTEMS CENTER (TY-1TSC-400#11)					

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DRAWN BY KRP DATE 4-3-2020
 CHECKED BY JPM SCALE NONE

TYLIN INTERNATIONAL



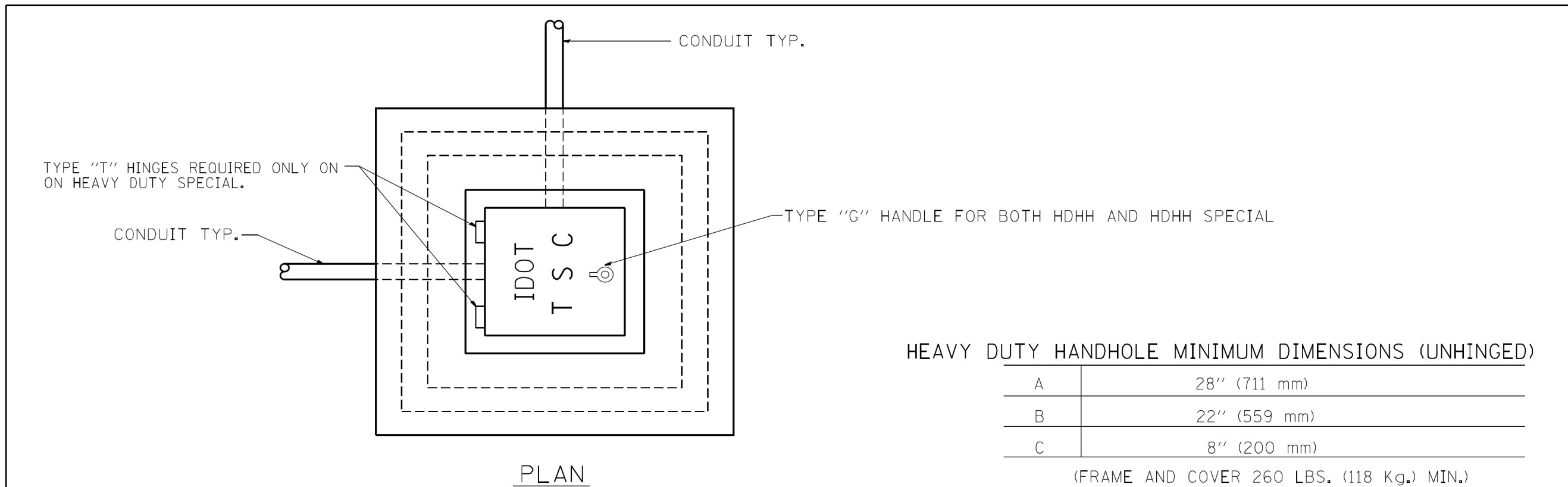
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
 2700 OGDEN AVENUE
 DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
 I-57 AT 294 RAMPS C AND F2
 IDOT TRAFFIC
 SYSTEMS CENTER STANDARDS

SHEET TS-04
254 OF 606

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HEAVY DUTY HANDHOLE MINIMUM DIMENSIONS (UNHINGED)

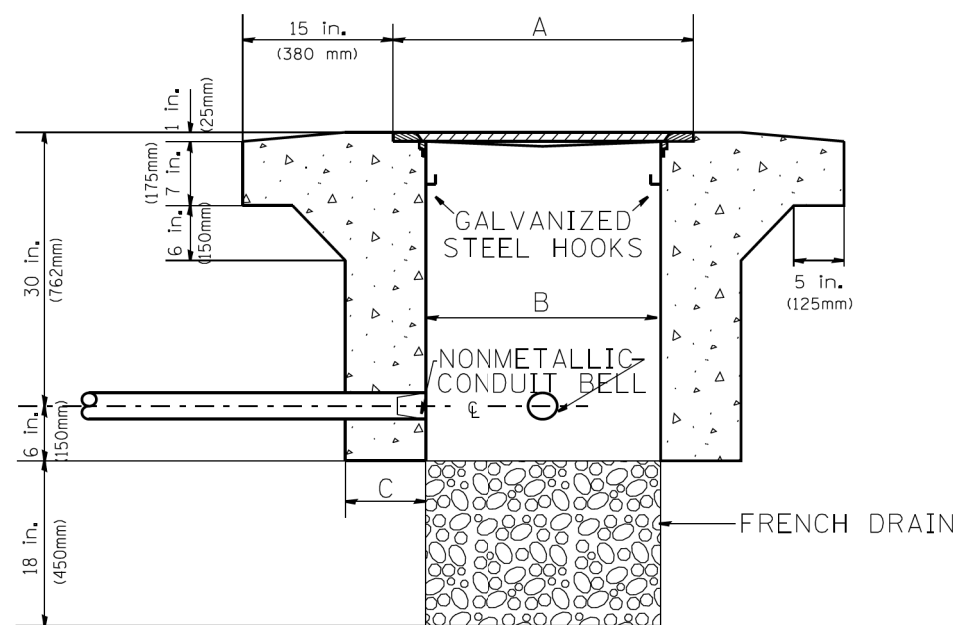
A	28" (711 mm)
B	22" (559 mm)
C	8" (200 mm)

(FRAME AND COVER 260 LBS. (118 Kg.) MIN.)

HEAVY DUTY HANDHOLE SPECIAL MINIMUM DIMENSIONS

A	31.5" (800 mm)
B	30.0" (762 mm)
C	10.0" (250 mm)

(FRAME AND COVER 405 LBS. (184 Kg. (405))



PC CONCRETE - HEAVY DUTY HAND HOLE

FILE NAME *	USER NAME * mezaq	DESIGNED - R.L.	REVISED - 04/97
cd:\pv_work\pvidot\mezaq\d0287541\TSC.TYP.dgn		DRAWN - G.M.	REVISED -
PLOT SCALE = 100.0000 ' / in.		CHECKED - R.L.	REVISED -
PLOT DATE = 12/6/2012		DATE - 09/11/96	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

PC CONCRETE - HEAVY DUTY
HAND HOLE

SCALE	NONE	SHEET NO.	OF	SHEETS	STA.	TO	STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								CONTRACT NO.				
								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TRAFFIC SYSTEMS CENTER (TY-1TSC-400#15)

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DRAWN BY KRP
CHECKED BY JPM

DATE 4-3-2020
SCALE NONE

TYLIN INTERNATIONAL



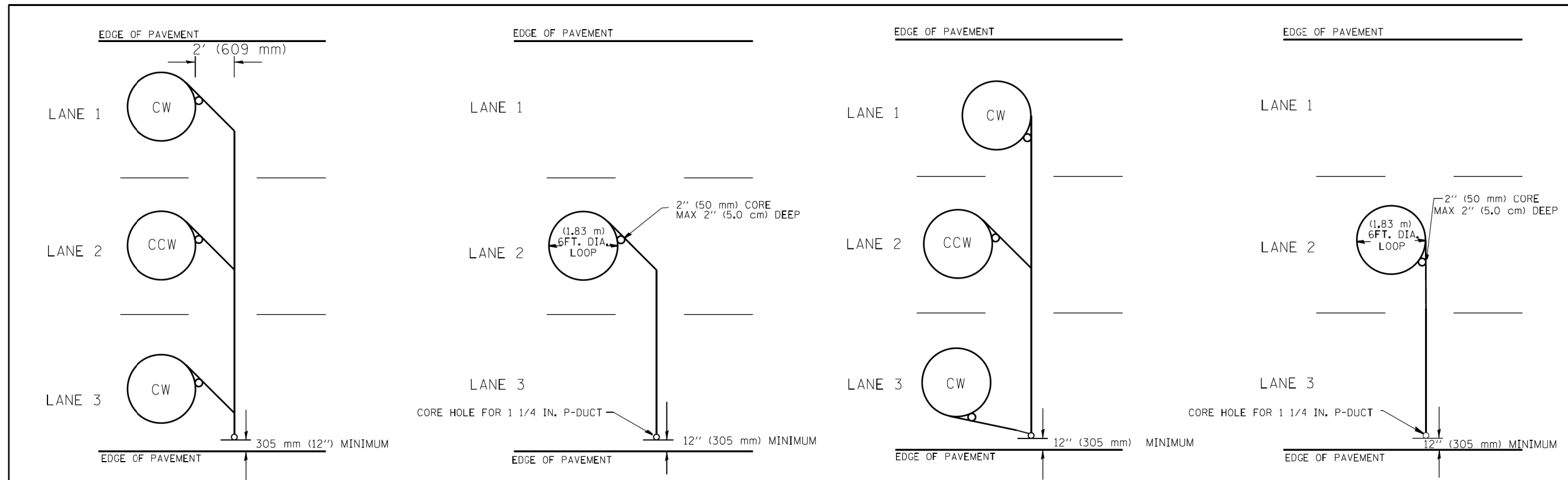
THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
IDOT TRAFFIC
SYSTEMS CENTER STANDARDS

SHEET TS-05

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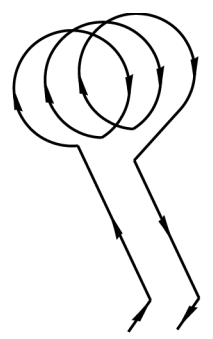


**TYPICAL 6' (1.83 m) DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY**

**TYPICAL 6' (1.83 m) DIA. INDUCTION LOOP
LAYOUT FOR LANE 2**

**TYPICAL 6' (1.83 m) DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY**

**TYPICAL 6' (1.83 m) DIA. INDUCTION LOOP
LAYOUT FOR LANE 2**



WIRING DETAILS

NOTES

1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 150' (45 m) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

FILE NAME =	USER NAME = mezag	DESIGNED - R.L.	REVISED - 6/94
c:\pwwork\psidot\mezag\0287541\TSC.TYP		DRAWN - G.M.	REVISED - 9/96
		CHECKED - R.L.	REVISED - R.L. 03/2011
		DATE - 6-22-94	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER**

**EXISTING ROUND LOOP
INSTALLATION**

SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.	

TRAFFIC SYSTEMS CENTER (TY-1TSC-418#1)

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CHECKED BY **JPM** SCALE **NONE**

TYLIN INTERNATIONAL

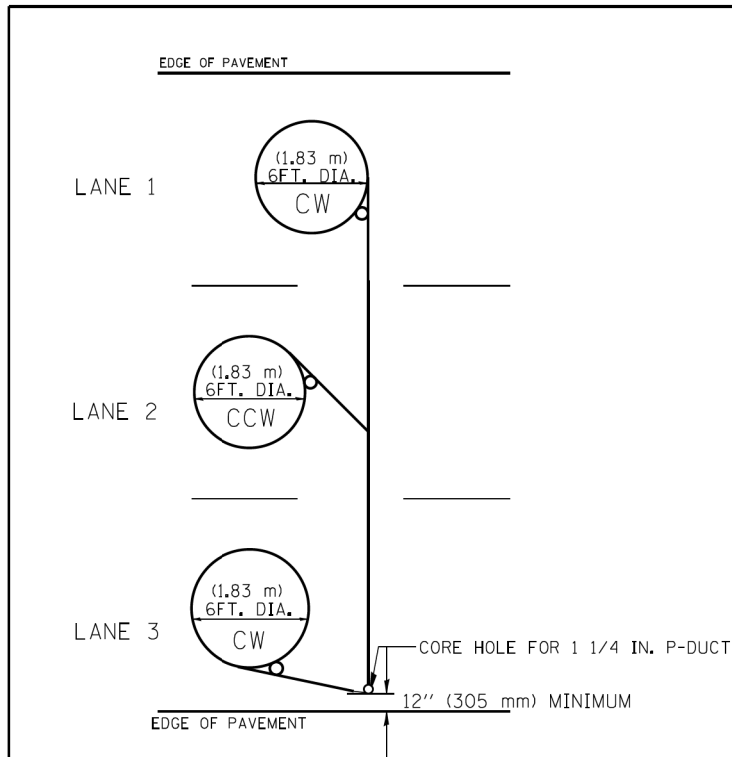


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2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

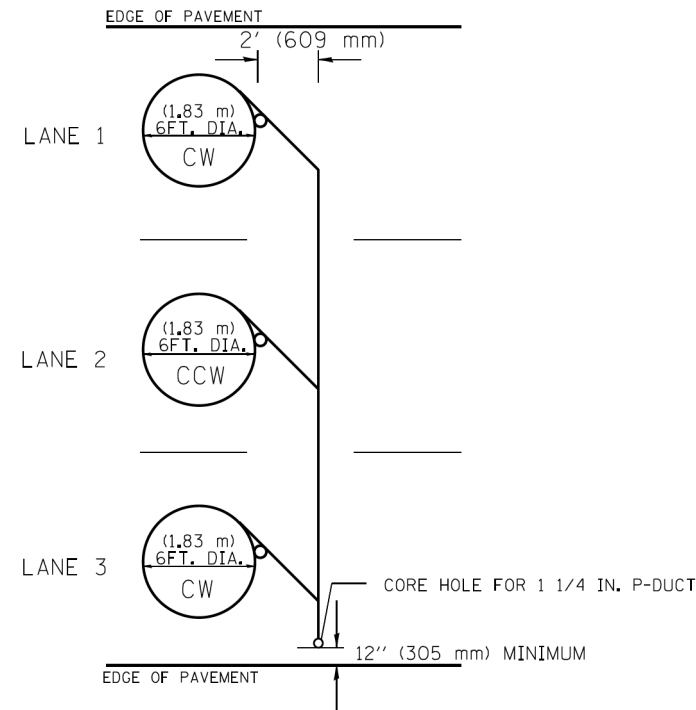
REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
IDOT TRAFFIC
SYSTEMS CENTER STANDARDS

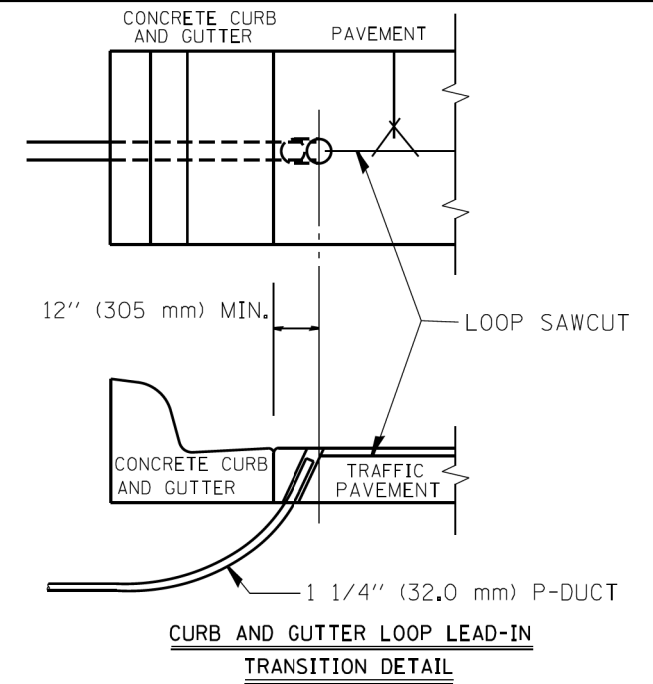
SHEET **TS-06**
256 OF **606**



TYPICAL 6FT. (1.83 m) DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY

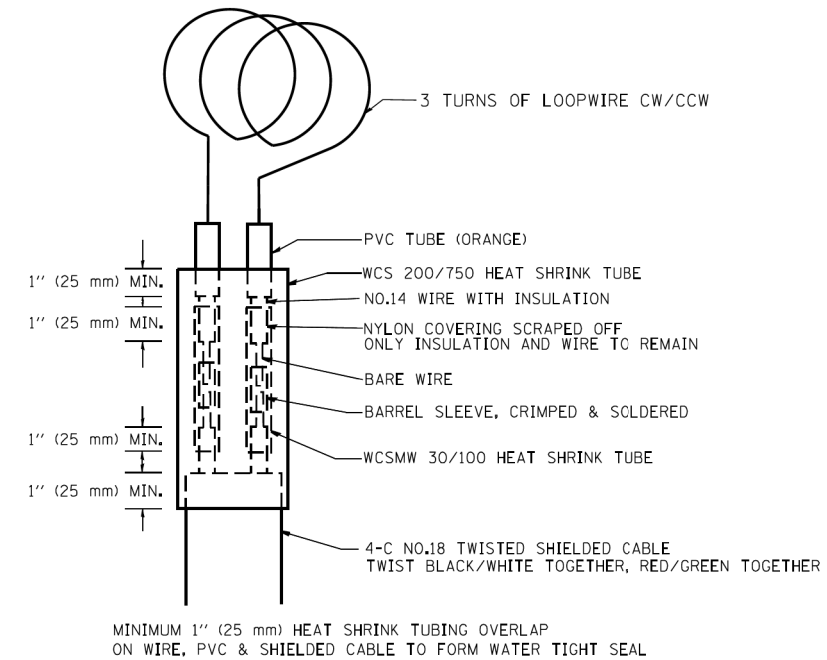


TYPICAL 6FT. (1.83 m) DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY



NOTES

1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 150FT. (45 m) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.



LOOP SPLICING REQUIREMENTS

FILE NAME =	USER NAME = mezag	DESIGNED - R.L.	REVISED - 6/94
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PLOT SCALE = 100.0000 1/16"		CHECKED - R.L.	REVISED - R.L. 03/2011
PLOT DATE = 7/26/2012		DATE - 6-22-94	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

EXISTING
ROUND INDUCTION LOOP
TYPICALS

SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
			CONTRACT NO.				

TRAFFIC SYSTEMS CENTER (TY-1TSC-418#2)

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DATE 4-3-2020
SCALE NONE

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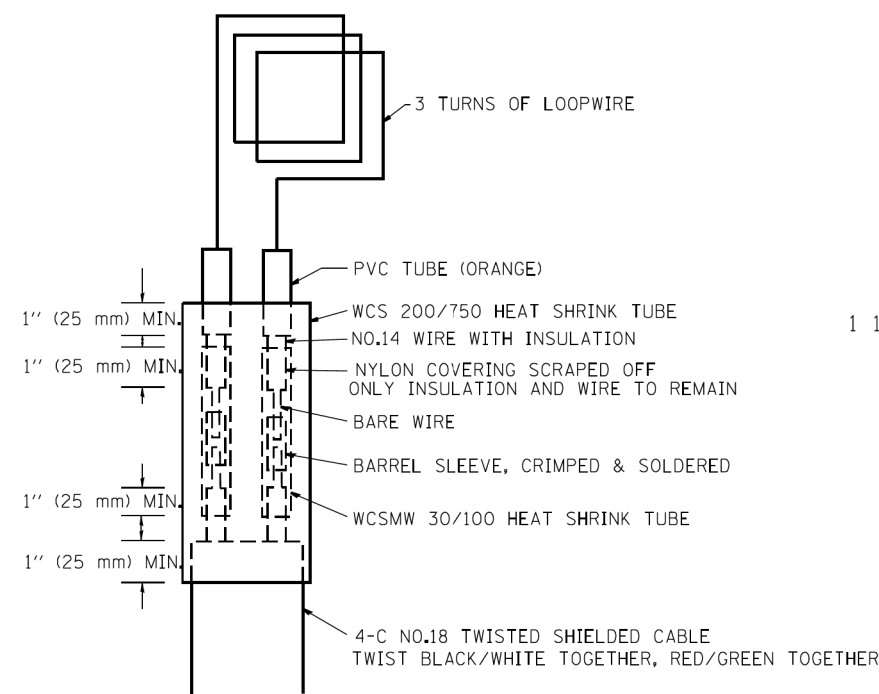


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
IDOT TRAFFIC
SYSTEMS CENTER STANDARDS

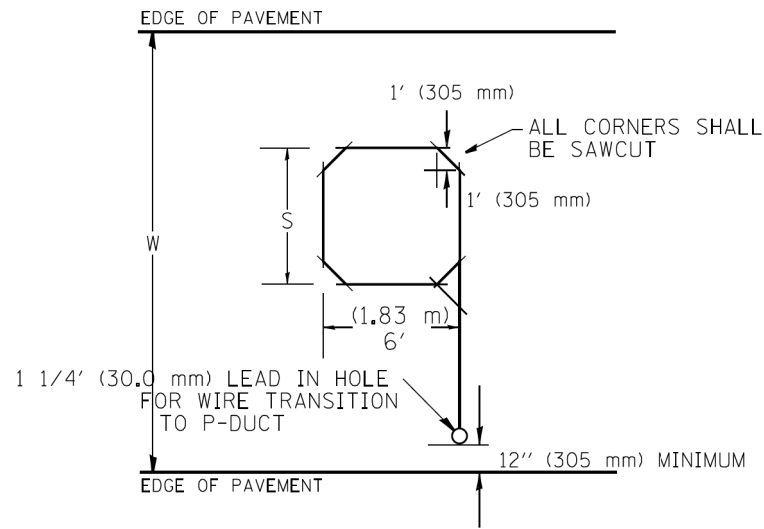
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257 OF 606



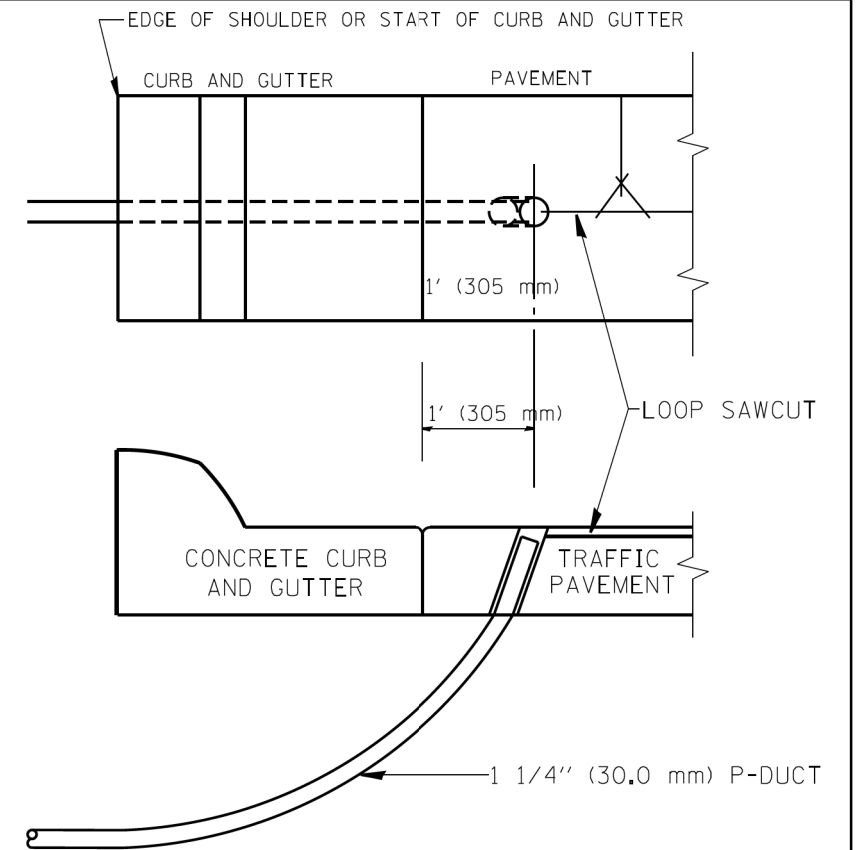
MINIMUM 1" (25 mm) HEAT SHRINK TUBING OVERLAP ON WIRE, PVC & SHIELDED CABLE TO FORM WATER TIGHT SEAL

LOOP SPLICING REQUIREMENTS

TABLE 1	
WIDTH (W)	WIDTH (S)
12' (3.7 m)	8' (2.5 m)
13' (4.0 m)	9' (2.8 m)
14' (4.3 m)	10' (3.1 m)
15' (4.6 m)	11' (3.4 m)
16' (4.9 m)	12' (3.7 m)
17' (5.2 m)	13' (4.0 m)
18' (5.5 m)	14' (4.3 m)
19' (5.8 m)	15' (4.6 m)
20' (6.1 m)	18' (4.9 m)
21' (6.4 m)	17' (5.2 m)
22' (6.7 m)	18' (5.5 m)
23' (7.0 m)	19' (5.8 m)
24' (7.3 m)	20' (6.1 m)
25' (7.6 m)	21' (6.4 m)



TYPICAL "S" FT. BY 6' (1.83 m) INDUCTION LOOP SAWCUT LAYOUT FOR RAMPS



CURB AND GUTTER LOOP LEAD-IN TRANSITION DETAIL

NOTES

1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 150' (45 m) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

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PLOT SCALE = 100.0000 1" = 10'		CHECKED - R.L.	REVISED - 05/96
PLOT DATE = 12/6/2012		DATE - 6-22-94	REVISED - 10/96

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER**

**RECTANGULAR INDUCTION LOOP
TYPICAL**

SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			CONTRACT NO.				
			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TRAFFIC SYSTEMS CENTER (TY-1TSC-418#3)

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CHECKED BY **JPM**

DATE **4-3-2020**
SCALE **NONE**

TYLIN INTERNATIONAL

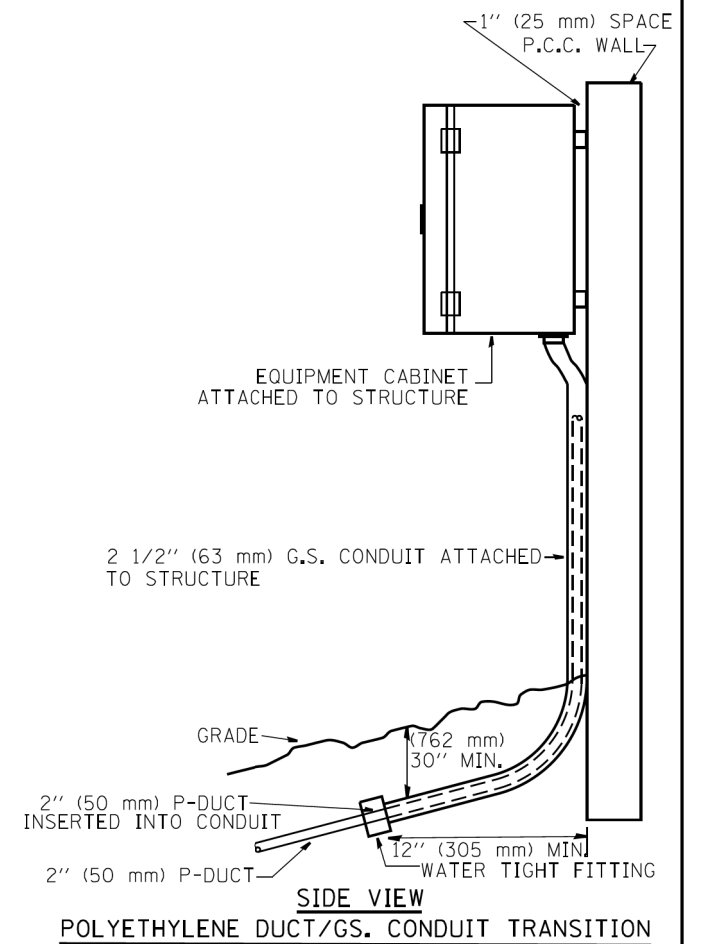
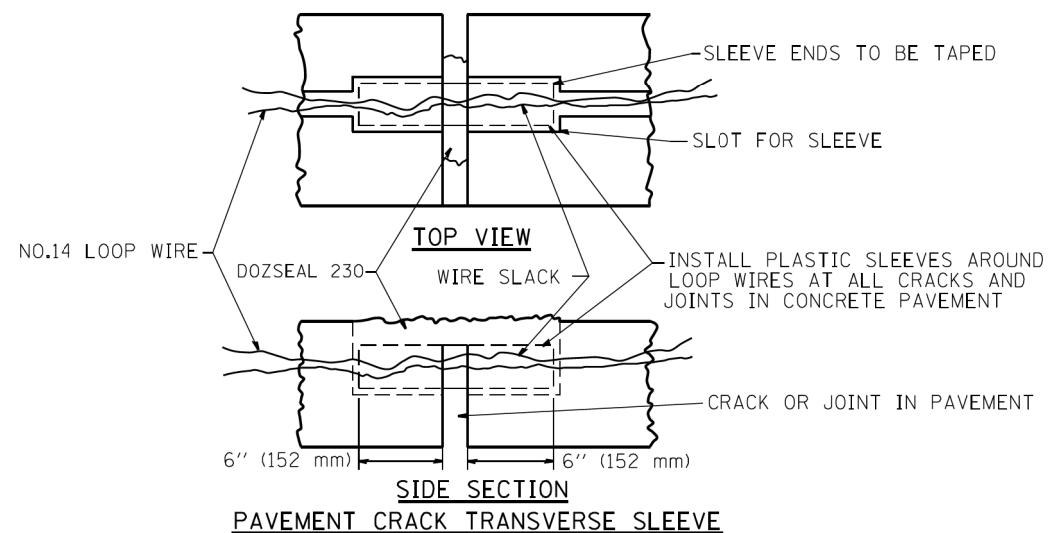
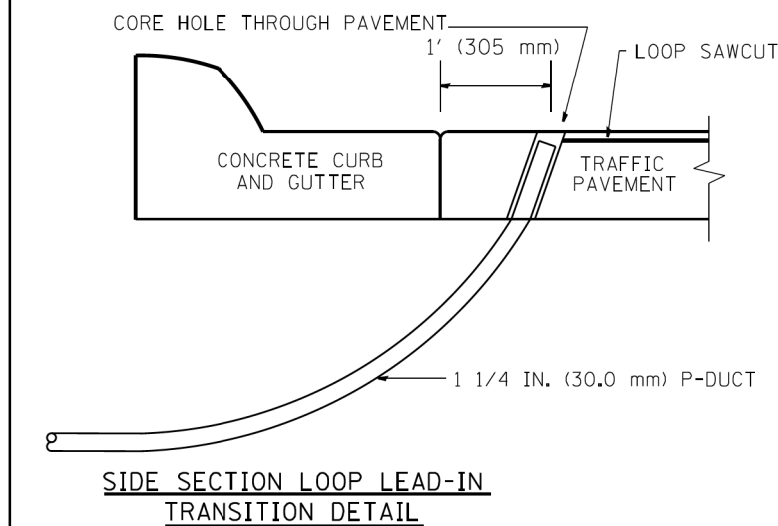
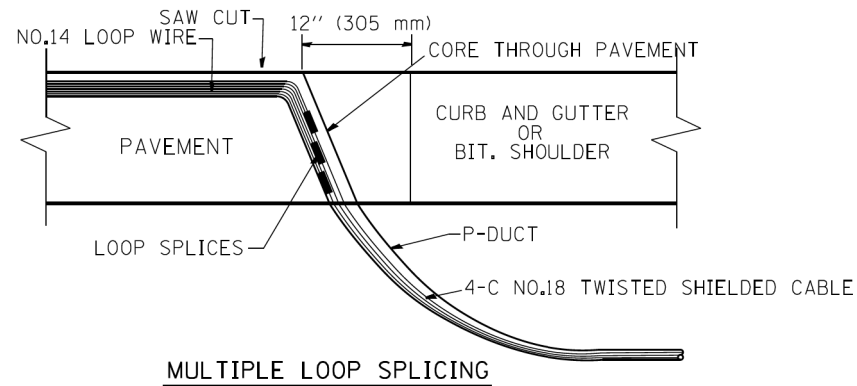
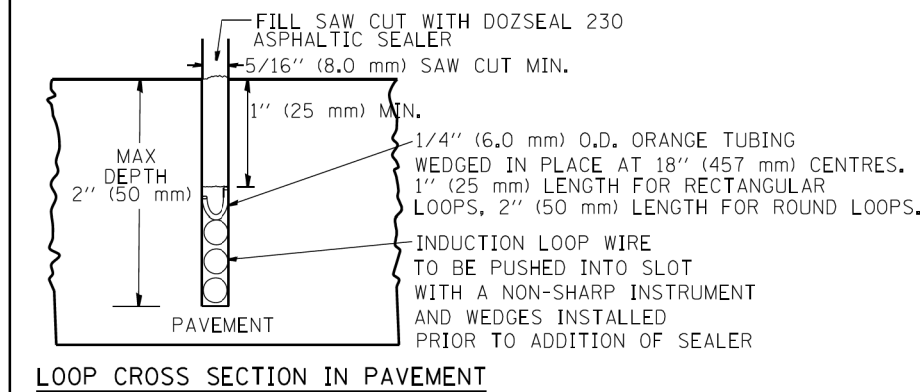
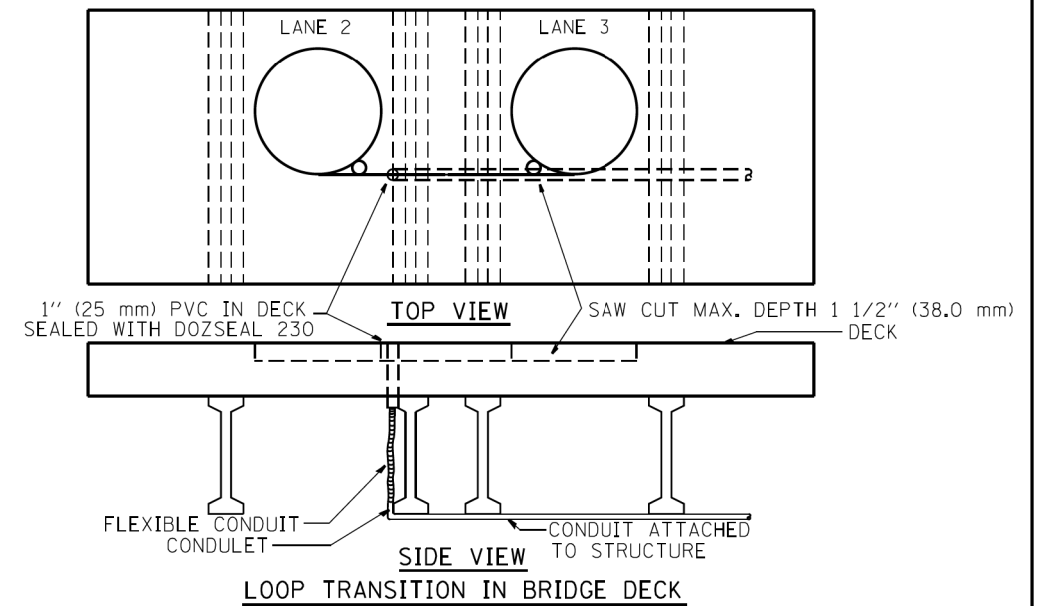
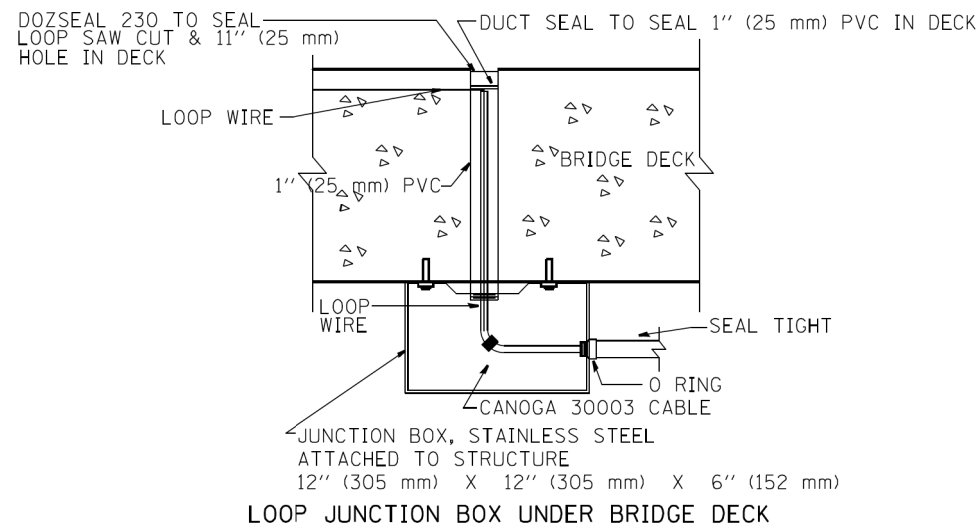
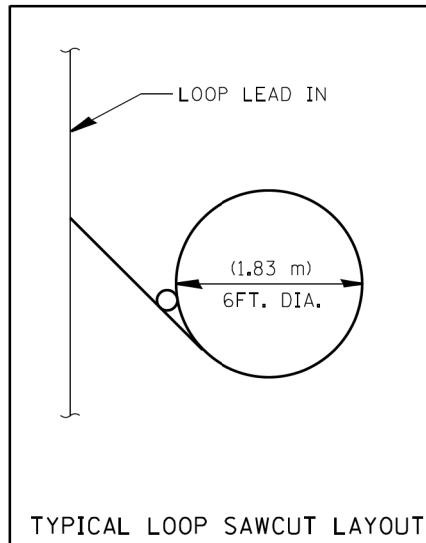


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
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DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
IDOT TRAFFIC
SYSTEMS CENTER STANDARDS

SHEET **TS-08**
258 OF **606**



FILE NAME =	USER NAME = mezag	DESIGNED - R.L.	REVISED - 06/94
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PLOT SCALE = 100,0000 / 1	CHECKED - R.L.	REVISOR - 11/95	REVISED - 11/95
PLOT DATE = 12/6/2012	DATE - 06/22/94	REVISOR - 10/96	REVISED - 10/96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TRAFFIC SYSTEMS CENTER (TY-1TSC-418#4)

T:\Chicago\Legacy\CADD\62540157-294_5-91\Road\PS\NEW_Ramps_L&F2\01080805-TCS-91\91.dgn 2/12/2008

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DRAWN BY KRP
CHECKED BY JPM

DATE 4-3-2020
SCALE NONE

TYLIN INTERNATIONAL

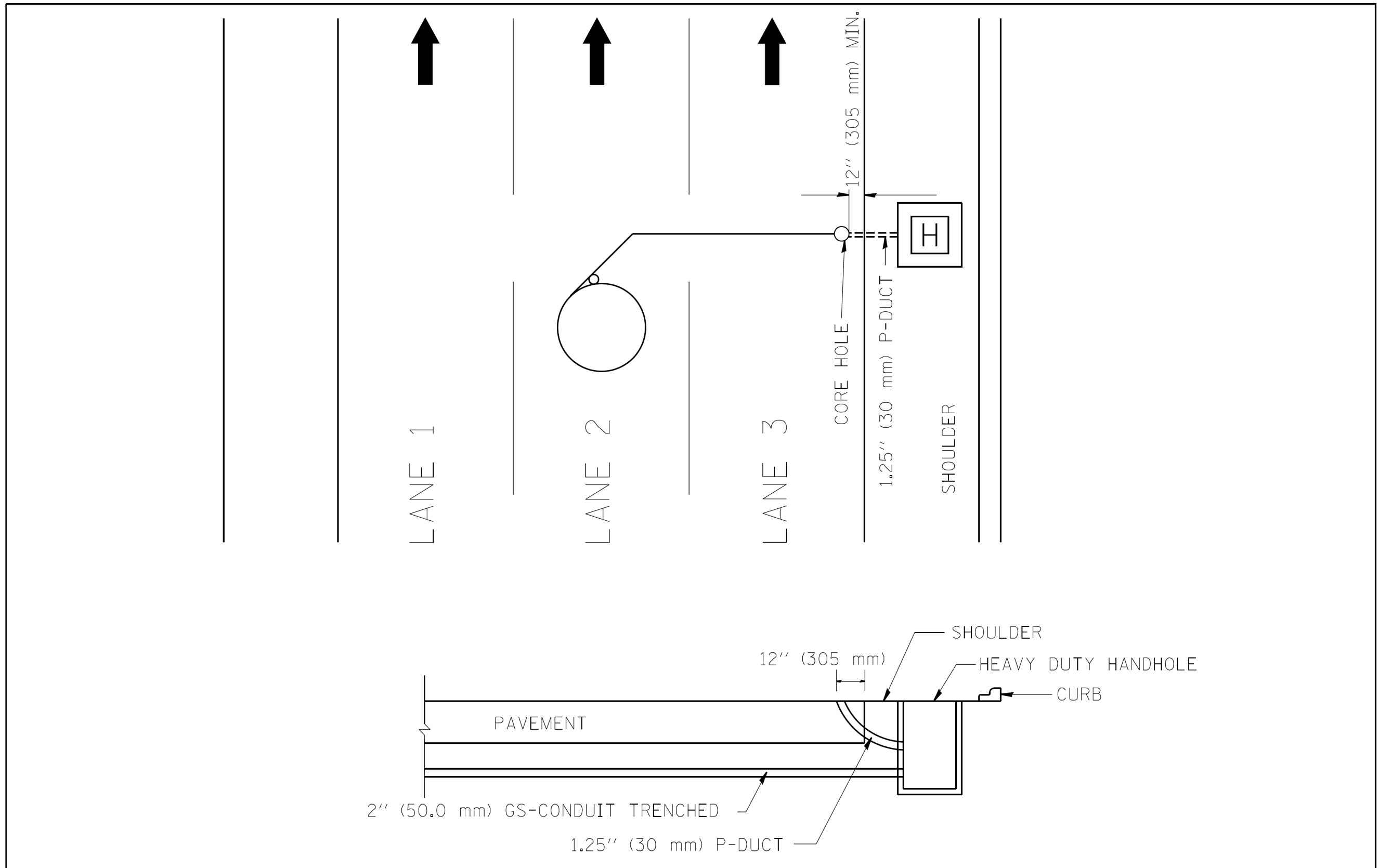


THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMPS C AND F2
IDOT TRAFFIC
SYSTEMS CENTER STANDARDS

SHEET TS-09
259 OF 606



FILE NAME = c:\pw_work\pwidot\mezog\d0287541\TSC-TYP.dgn	USER NAME = mezog	DESIGNED - R.L.	REVISED - R.L.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER	DIVE HOLE DUCT SYSTEM			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000 1 / in.	CHECKED - R.L.	REVISED - T.C.	SCALE: NONE					SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.
PLOT DATE = 12/6/2012	DATE - 11/7/95	REVISED -										

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TRAFFIC SYSTEMS CENTER (TY-1TSC-418#8)

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DRAWN BY KRP	DATE 4-3-2020
CHECKED BY JPM	SCALE NONE

TYLIN INTERNATIONAL



THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY
2700 OGDEN AVENUE
DOWNERS GROVE, ILLINOIS 60515

REVISIONS		
NO.	DATE	DESCRIPTION

CONTRACT I-19-4495
I-57 AT 294 RAMP C AND F2 IDOT TRAFFIC SYSTEMS CENTER STANDARDS

SHEET	TS-10
260	OF 606