03-07-2025 LETTING ITEM 020

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	1
		ILLINOIS	CONTRACT NO. 62R73	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN THE VILLAGE OF PALATINE

TRAFFIC DATA

2021 ADT = 21,500

POSTED SPEED LIMIT = 40 MPH – 45 MPH

FUNCTIONAL CLASS = OTHER PRINCIPAL ARTERIAL

ORION ENGINEERS, PLLC
EXPIRES 11-30-2025
SIGNATURE
12/09/2024
DATE

ORION ENGINEERS, PLLC
EXPIRES 11-30-2025
SIGNATURE
12/09/2024
DATE

PERALTE CLARK LLC
EXPIRES 11-30-2025
SIGNATURE
12/09/2024
DATE

ENVIRONMENTAL DESIGN INTERNATIONAL, INC.
EXPIRES 11-30-2025
SIGNATURE
12/09/2024
DATE

GSG CONSULTANTS, INC
EXPIRES 11-30-2025
SIGNATURE
12/09/2024
DATE

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

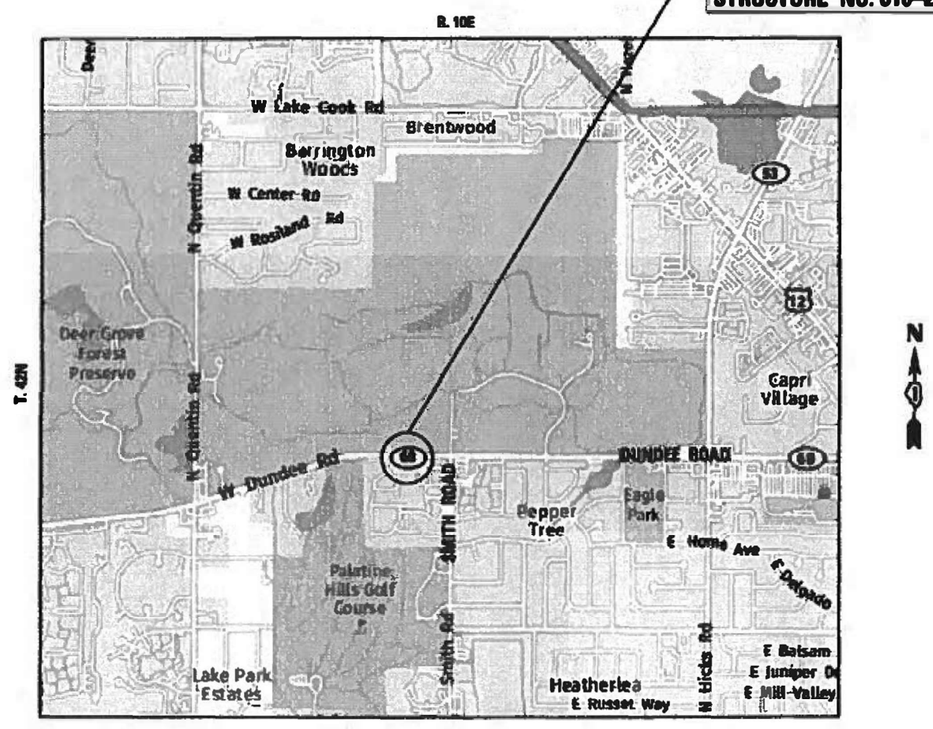
PROJECT MANAGER: PRAVEEN KAINI, P.E. (847)705-4237

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PROPOSED
HIGHWAY PLANS

ROUTE FAP 343A
SECTION FAP 343 22 CULVERT
PROJECT NHPP-N4ZL(479)
CULVERT REPLACEMENT
COOK COUNTY

C-91-228-22

PROJECT LOCATION
STRUCTURE NO. 016-2302

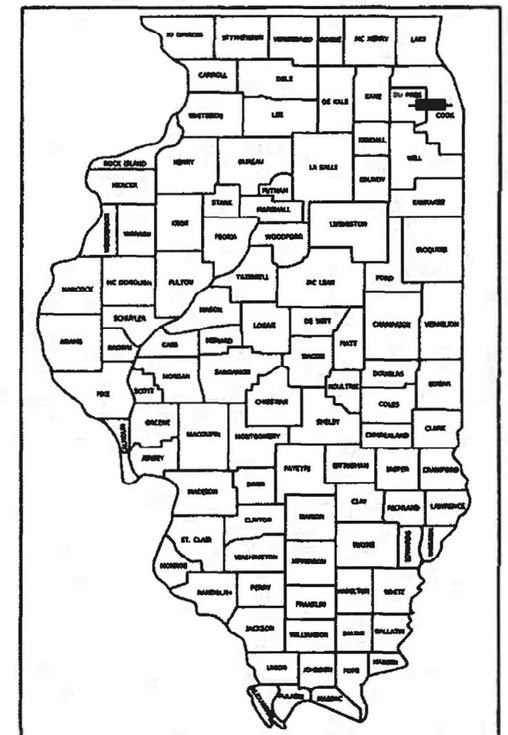


LOCATION MAP

GROSS LENGTH = 2430 FT. = 0.46 MILE

NET LENGTH = 2430 FT. = 0.46 MILE

D-91-182-22



LOCATION OF SECTION INDICATED THUS:-

ORION ENGINEERS

Peralte-Clark LLC

EDI Environmental Design International Inc.

GSG CONSULTANTS, INC

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 12 2024
REGIONAL ENGINEER

January 31 2025
ENGINEER OF DESIGN AND ENVIRONMENT

January 31 2025
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 62R73

REV-SEP

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
353001-05	PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
524301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-02	CATCH BASIN, TYPE A
602016-02	CATCH BASIN, TYPE D
602301-04	INLET, TYPE A
602401-07	PRECAST MANHOLE, TYPE A, 4' DIAMETER
602402-03	PRECAST MANHOLE, TYPE A, 5' DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS, TYPE 1
604036-03	GRATE TYPE 8
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604901-05	FRAME AND GRATE, TYPE 24
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-12	STEEL PLATE BEAM GUARDRAIL
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

IDOT DISTRICT STANDARD DETAILS

BD-02	DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)
BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT DETAIL
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-22	DISTRICT ONE ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

HMA MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING		
POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70; 2"	4% AT 70 GYR.	QC/QA
PAVEMENT RECONSTRUCTION OR PAVEMENT WIDENING		
POLYMERIZED HMA SURFACE COURSE, MIX "E", IL-9.5, N70; 2"	4% AT 70 GYR.	QC/QA
HMA BASE COURSE (HMA BINDER IL-19MM); 8"	4% AT 90 GYR.	QC/QA
HMA BASE COURSE WIDENING (HMA BINDER IL-19MM); 8"	4% AT 90 GYR.	QC/QA
TEMPORARY PAVEMENT		
HMA BINDER COURSE, IL-19.0, N70; 8"	4% AT 70 GYR.	QC/QA
HMA SURFACE COURSE, IL-9.5, MIX "D", N70; 2"	4% AT 70 GYR.	QC/QA
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 2"	4% AT 50 GYR.	QC/QA
HMA BINDER COURSE, IL-19.0, N50; 6"	4% AT 50 GYR.	QC/QA
CLASS D PATCHES (SPECIAL)		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 2"	4% AT 70 GYR.	QC/QA
HMA BINDER COURSE, IL-19.0, N70; 8"	4% AT 70 GYR.	QC/QA
DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA), QUALITY CONTROL FOR PERFORMANCE (QCP), OR PAY FOR PERFORMANCE (PFP).		

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.
2. 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 RECLAIMED MATERIALS SPECIFICATIONS.

GENERAL NOTES

1. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
2. ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
3. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
4. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH THE PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN.
5. SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
6. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERITY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
8. STORM SEWER CONSTRUCTED UNDER THE ROADWAY SHALL BE BACKFILLED ACCORDING TO METHOD 1 OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS.
9. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
10. THE CONTRACTOR SHALL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL DELIVIER THE RECORD TO THE ENGINEER.
11. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
12. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
13. TWO WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT MR. FADI SULTAN, AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV.
14. THE CONTRACTOR WILL NOT BE ALLOWED TO PROCEED WITH ANY PLANTING WORK UNTIL ALL UTILITY OWNERS FIELD LOCATE THEIR FACILITIES WHICH MAY INTERFERE WITH CONSTRUCTION OPERATIONS.
15. THE ACTUAL LOCATION OF PROPOSED LANDSCAPING WILL BE ADJUSTED IN THE FIELD TO AVOID UTILITIES.
16. INTERSEEDING, CLASS 1A IS TO BE USED TO RENOVATE AREAS WHERE EXISTING TURF IS IN POOR CONDITION. EXACT LOCATIONS WILL BE DETERMINED DURING CONSTRUCTION BY THE ENGINEER.
17. UNDERBRUSH OR DEBRIS AT PLANTING LOCATIONS SHALL BE REMOVED AND DISPOSED OF ACCORDING TO SECTION 201 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT THE COSTS SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES FOR THE CONSTRUCTION ITEMS INVOLVED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
18. THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
19. NO FERTILIZER NUTRIENTS SHALL BE UTILIZED FOR IDOT SEEDING.
20. THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS1 OR RR1.
21. THE RESIDENT ENGINEER WILL CONTACT THE FOREST PRESERVE DISTRICT OF COOK COUNTY PRIOR TO THE START OF CONSTRUCTION TO INFORM THEM OF THE INITIATION OF CONSTRUCTION ACTIVITIES NEAR THEIR PROPERTIES.
22. AGGREGATE SUBGRADE IMPROVEMENT (CU YD) SHOULD BE USED TO REPLACE UNSUITABLE SOILS BELOW THE IMPROVED SUBGRADE LAYER. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT SHOULD BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER OR SOILS INSPECTOR. ALL POTENTIALLY UNSUITABLE SOILS SHALL BE TESTED WITH A CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (SQ YD) SHALL BE PLACED AT THE BASE OF THE UNDERCUT OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER OR SOILS INSPECTOR. NOMINAL QUANTITIES OF AGGREGATE SUBGRADE IMPROVEMENT (CU YD) AND GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (SQ YD) WERE INCLUDED. ANY MATERIAL NOT NEEDED FOR UNDERCUT REPLACEMENT SHALL BE DELETED FROM THE CONTRACT WITH NO EXTRA COMPENSATION TO THE CONTRACTOR.
23. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) and USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 of the SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE BOX CULVERT 0004 URBAN
20101100	TREE TRUNK PROTECTION	EACH	20	20
20200100	EARTH EXCAVATION	CU YD	632	632
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	149	149
20400800	FURNISHED EXCAVATION	CU YD	1006	1006
20800150	TRENCH BACKFILL	CU YD	1532	1532
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	761	761
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	987	987
25000110	SEEDING, CLASS 1A	ACRE	1	1
28000305	TEMPORARY DITCH CHECKS	FOOT	64	64
28000400	PERIMETER EROSION BARRIER	FOOT	3411	3411
28000510	INLET FILTERS	EACH	13	13
28100107	STONE RIPRAP, CLASS A4	SQ YD	63	63
28200200	FILTER FABRIC	SQ YD	63	63
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	254	254
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	3043	3043
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	771	771
35101598	AGGREGATE BASE COURSE, TYPE B 3"	SQ YD	819	819
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	90	90
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	1427	1427
35600708	HOT-MIX ASPHALT BASE COURSE WIDENING, 8"	SQ YD	309	309
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2972	2972
40600370	LONGITUDINAL JOINT SEALANT	FOOT	1479	1479
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	80	80
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	212	212
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	11	11
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	740	740
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	7137	7137
42400800	DETECTABLE WARNINGS	SQ FT	45	45

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE BOX CULVERT 0004 URBAN
	44000100	PAVEMENT REMOVAL	SQ YD	2312	2312
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	4641	4641
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	218	218
	44000300	CURB REMOVAL	FOOT	46	46
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1040	1040
	44000600	SIDEWALK REMOVAL	SQ FT	114	114
	44003100	MEDIAN REMOVAL	SQ FT	85	85
	44213200	SAW CUTS	FOOT	67	67
	50100200	REMOVAL OF EXISTING STRUCTURES	L SUM	1	1
	50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2
	50105220	PIPE CULVERT REMOVAL	FOOT	185	185
	50200100	STRUCTURE EXCAVATION	CU YD	331	331
	50500505	STUD SHEAR CONNECTORS	EACH	450	450
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	33,060	33,060
	50800515	BAR SPLICERS	EACH	74	74
	50901750	PARAPET RAILING	FOOT	191	191
*	51500100	NAME PLATES	EACH	1	1
	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	697	697
*	52200100	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	791.5	791.5
*	52200150	DRIVING SOLDIER PILES	FOOT	579.5	579.5
*	52200250	UNTREATED TIMBER LAGGING	SQ FT	1357	1357
	50300225	CONCRETE STRUCTURES	CU YD	75.3	75.3
	54003000	CONCRETE BOX CULVERTS	CU YD	114.8	114.8
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1
	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1
	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	266	266
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	226	226

* SPECIALTY ITEM

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ORION ENGINEERS

USER NAME = aseiber	DESIGNED - MBC	REVISED -
	DRAWN - MBC	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED - LJ	REVISED -
PLOT DATE = 12/12/2024	DATE - 12/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	3
		CONTRACT NO. 62R73		
	ILLINOIS	FED. AID PROJECT		

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE BOX CULVERT 0004 URBAN
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	63	63
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	344	344
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	351	351
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	200	200
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	102	102
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	137	137
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	271	271
550B0160	STORM SEWERS, CLASS B, TYPE 1 36"	FOOT	92	92
55100500	STORM SEWER REMOVAL 12"	FOOT	188	188
55100700	STORM SEWER REMOVAL 15"	FOOT	464	464
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	233	233
58700300	CONCRETE SEALER	SQ FT	1695	1695
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	151	151
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	176	176
60201205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 12 FRAME AND GRATE	EACH	7	7
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	6	6
60210500	CATCH BASINS, TYPE D, 3'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5
60236900	INLETS, TYPE A, TYPE 12 FRAME AND GRATE	EACH	5	5
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	1	1
60260100	INLETS TO BE ADJUSTED	EACH	2	2
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	2	2
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	2	2
60406001	FRAMES AND LIDS, TYPE 1,ADA COMPLIANT, OPEN LID	EACH	2	2
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	2	2

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE BOX CULVERT 0004 URBAN
	60500050	REMOVING CATCH BASINS	EACH	8	8
	60600605	CONCRETE CURB, TYPE B	FOOT	8	8
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	894	894
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1012	1012
	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	458	458
	63000360	LONG-SPAN GUARDRAIL OVER CULVERT, 18 FT 9 IN SPAN	FOOT	44	44
	63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2	2
	63200310	GUARDRAIL REMOVAL	FOOT	538	538
	67100100	MOBILIZATION	L SUM	1	1
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	280	280
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	20	20
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	105	105
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	180	180
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	11527	11527
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	8931	8931
	70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	13935	13935
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	710	710
	70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	264	264
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	617	617
	70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4
	70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1
	72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	37	37
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10544	10544

* INDICATES SPECIALTY ITEM

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ORION ENGINEERS

USER NAME = aseiber	DESIGNED - MBC	REVISED -	
	DRAWN - MBC	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - LJ	REVISED -	
PLOT DATE = 12/12/2024	DATE - 12/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	4

CONTRACT NO. 62R73
ILLINOIS | FED. AID PROJECT

REV-SEP

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE BOX CULVERT 0004 URBAN
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	329	329
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	517	517
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	27	27
	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	68	68
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	68	68
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	2432	2432
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	991	991
*	89502376	REBUILD EXISTING HANDHOLE	EACH	2	2
	X2010400	STUMP REMOVAL ONLY	UNIT	252	252
	X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	0.25	0.25
	X2510635	HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)	SQ YD	68	68
	X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	7238	7238
	X4421768	CLASS D PATCHES, TYPE IV, 10 INCH (SPECIAL)	SQ YD	49	49
	X4810200	AGGREGATE SHOULDER REMOVAL	CU YD	29	29
	X5427602	REMOVE EXISTING FLARED END SECTION	EACH	10	10
	X5021512	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	2	2
	X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	106	106
	X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
	X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	29	29
*	X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	29	29
*	X8860105	DETECTOR LOOP REPLACEMENT	FOOT	40	40
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52
	Z0054400	ROCK FILL	CU YD	149	149
	Z0062456	TEMPORARY PAVEMENT	SQ YD	1307	1307
Ø	Z0076600	TRAINEES	HOUR	500	500
Ø	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500
	70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	10695	10695

* INDICATES SPECIALTY ITEM

Ø 0042

MODEL: Default
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ORION ENGINEERS

USER NAME = aseiber	DESIGNED - MBC	REVISED -	
	DRAWN - MBC	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - LJ	REVISED -	
PLOT DATE = 12/12/2024	DATE - 12/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

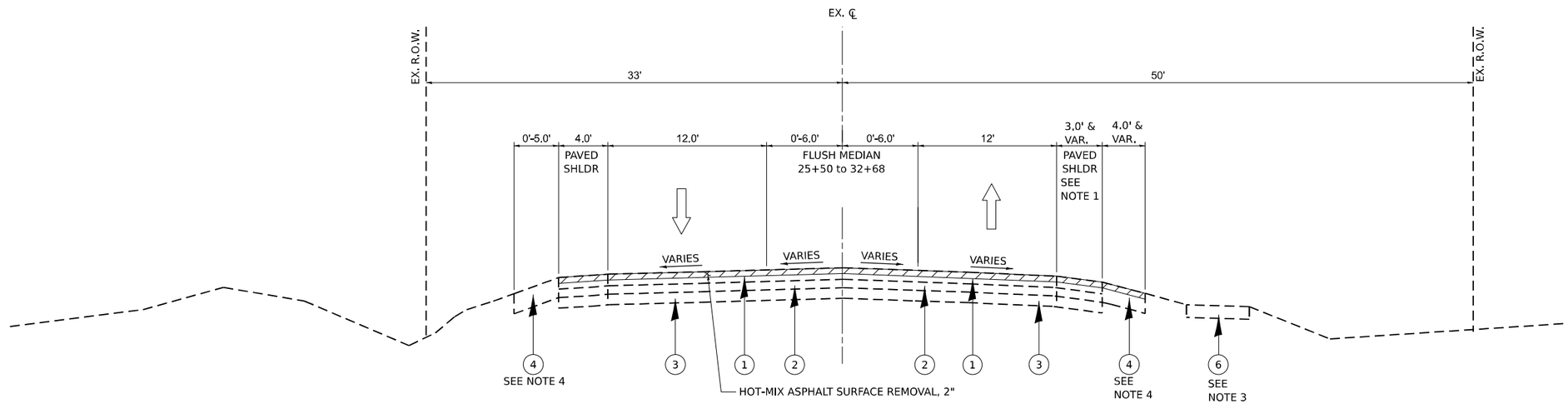
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	5

CONTRACT NO. 62R73

ILLINOIS FED. AID PROJECT

REV-SEP



IL 68 (WEST DUNDEE ROAD)

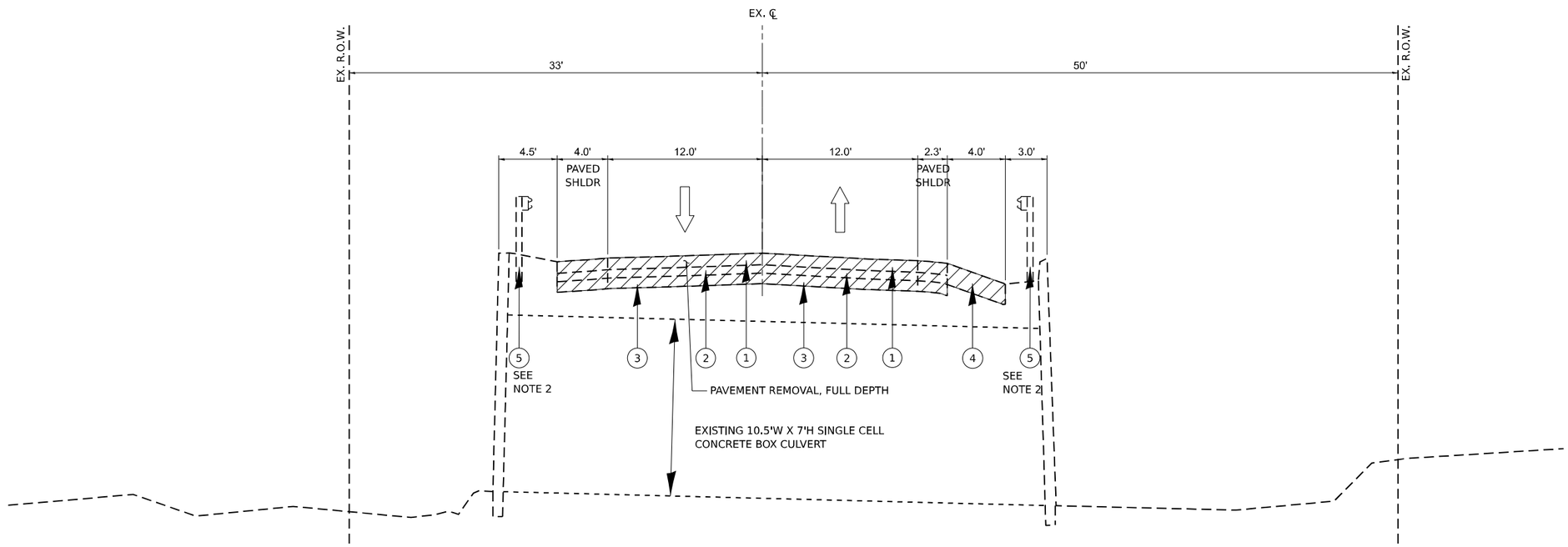
STA 18+27 to 23+60
STA 27+78 TO 33+06

1. EXISTING BITUMINOUS SURFACE, 11" & VARIES
2. EXISTING PCC PAVEMENT, ±8"
3. EXISTING STABILIZED SUB-BASE
4. EXISTING AGGREGATE SHOULDER
5. EXISTING GUARDRAIL
6. EXISTING SIDEWALK

REMOVAL ITEMS

NOTES:

1. EXISTING B-6.12 CC&G AT THE FOLLOWING STATIONS: 18+27 TO 22+75 RT
2. EXISTING GUARDRAIL AT THE FOLLOWING STATIONS: 24+18 TO 26+94 LT, 23+72 TO 26+35 RT
3. EXISTING SIDEWALK AT THE FOLLOWING STATIONS: 18+27 TO 22+75 RT
4. NO AGGREGATE SHOULDER AT THE FOLLOWING STATIONS: 18+27 TO 23+96 RT



IL 68 (WEST DUNDEE ROAD)

AT SALT CREEK

STA 23+60 TO 27+78

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Peralte-Clark LLC

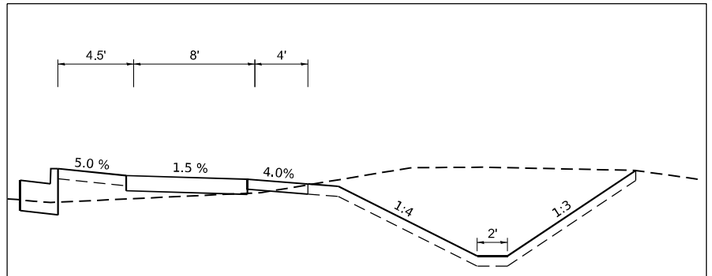
USER NAME = akshar.patel	DESIGNED - MJ	REVISED -	
	DRAWN - MT	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - JC	REVISED -	
PLOT DATE = 12/11/2024	DATE - 12/09/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

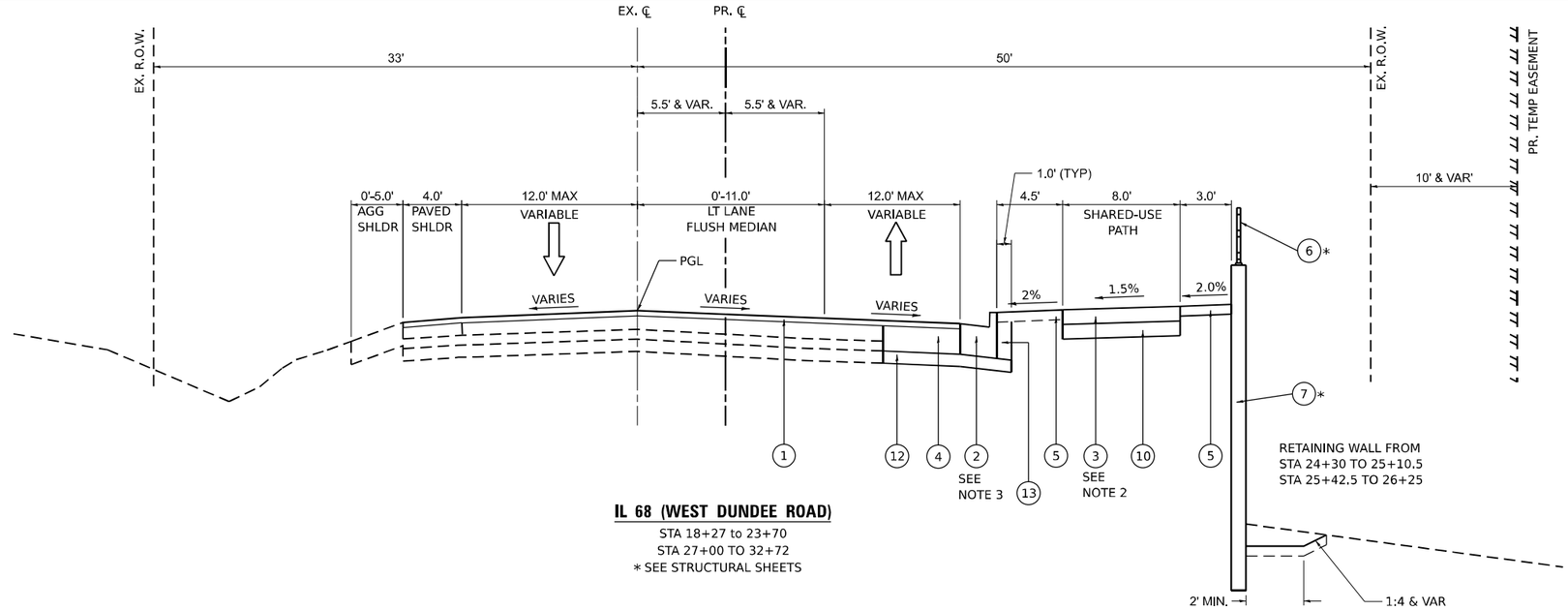
EXISTING TYPICAL SECTIONS
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	6
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	



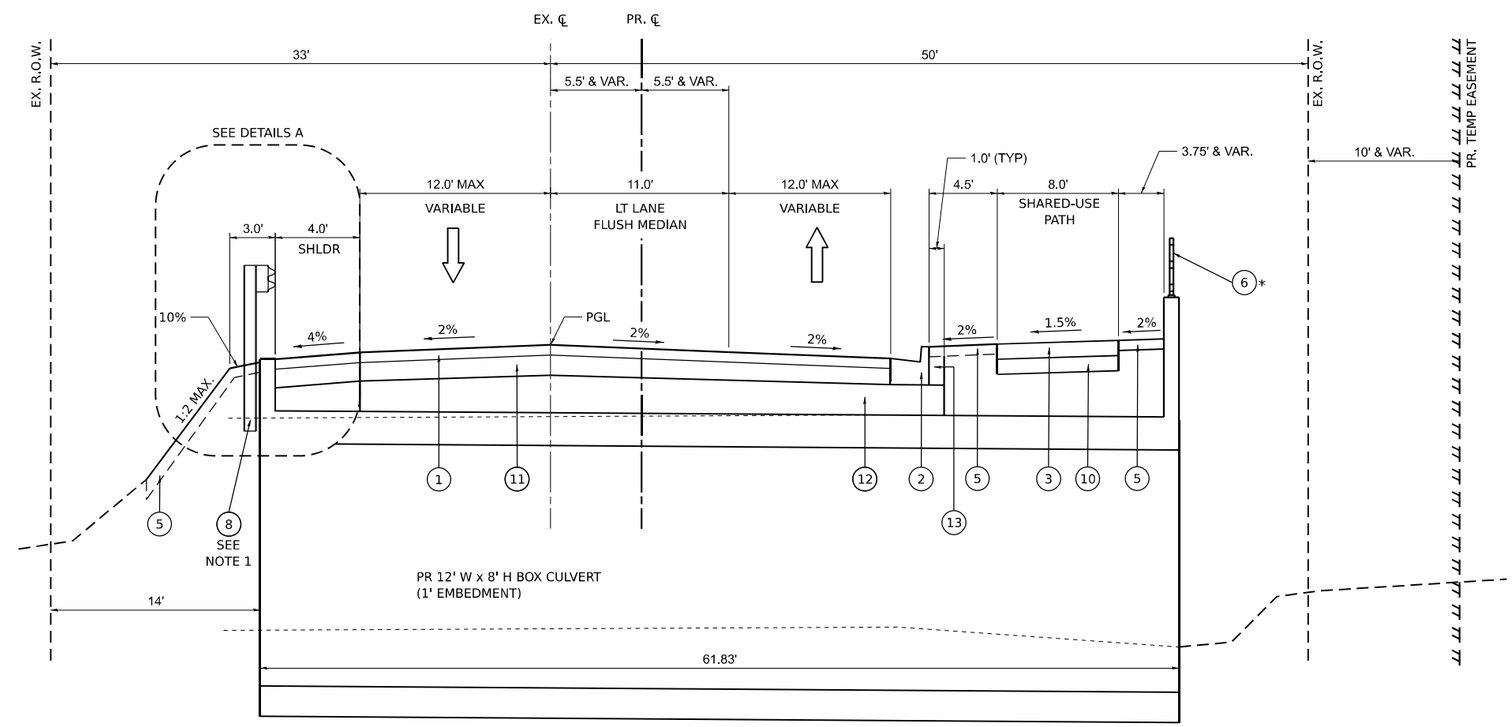
PROPOSED SWALE/DITCH FROM
STA 28+60 TO 30+19



IL 68 (WEST DUNDEE ROAD)

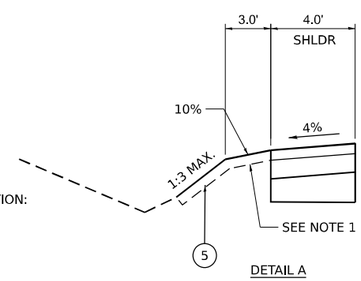
STA 18+27 to 23+70
STA 27+00 TO 32+72
* SEE STRUCTURAL SHEETS

1. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70 2"
2. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
3. PCC SIDEWALK, 5"
4. HOT-MIX ASPHALT BASE COURSE WIDENING, 8"
5. PROPOSED PARKWAY RESTORATION
6. PROPOSED BICYCLE RAILING, 1'-3"
7. PROPOSED RETAINING WALL
8. PROPOSED GUARDRAIL
9. PROPOSED CONCRETE PARAPET 3'-3"
10. AGGREGATE BASE COURSE, TYPE B, 3"
11. HOT-MIX ASPHALT BASE COURSE, 8"
12. AGGREGATE SUBGRADE IMPROVEMENT, 12"
13. SUITABLE BACKFILL MATERIAL



IL 68 (WEST DUNDEE ROAD) AT SALT CREEK

STA 23+70 TO 27+00
* SEE STRUCTURAL SHEETS



DETAIL A

NOTES:

1. NO PROPOSED PROTECTION FROM STATION:
   - 23+70 TO 24+10 LT
   - SEE DETAIL A

   PROPOSED GUARDRAIL FROM STATIONS:
   - 24+10 TO 25+05 LT
   - 25+49 TO 28+24 LT

   PROPOSED LONG-SPAN GUARDRAIL OVER CULVERT FROM STATION:
   - 25+05 TO 25+49 LT

2. PROPOSED 8' WIDE SIDEWALK FROM STATION:
   - 23+42 TO 32+34 RT

   EXISTING SIDEWALK TO REMAIN FROM STATION:
   - 13+80 TO 22+75 RT

   SIDEWALK REPLACEMENT FOR ADA RAMP IMPROVEMENTS FROM STATION:
   - 22+76 TO 23+00 RT
   - SEE ROADWAY PLANS FOR DETAILS

3. PROPOSED B6-12 C&G FROM STATIONS:
   - 18+27 TO 23+01 RT
   - 32+64 TO 32+72 RT

4. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE P HMA SC, IL-9.5, MIX "E", N70.

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Peralte-Clark LLC

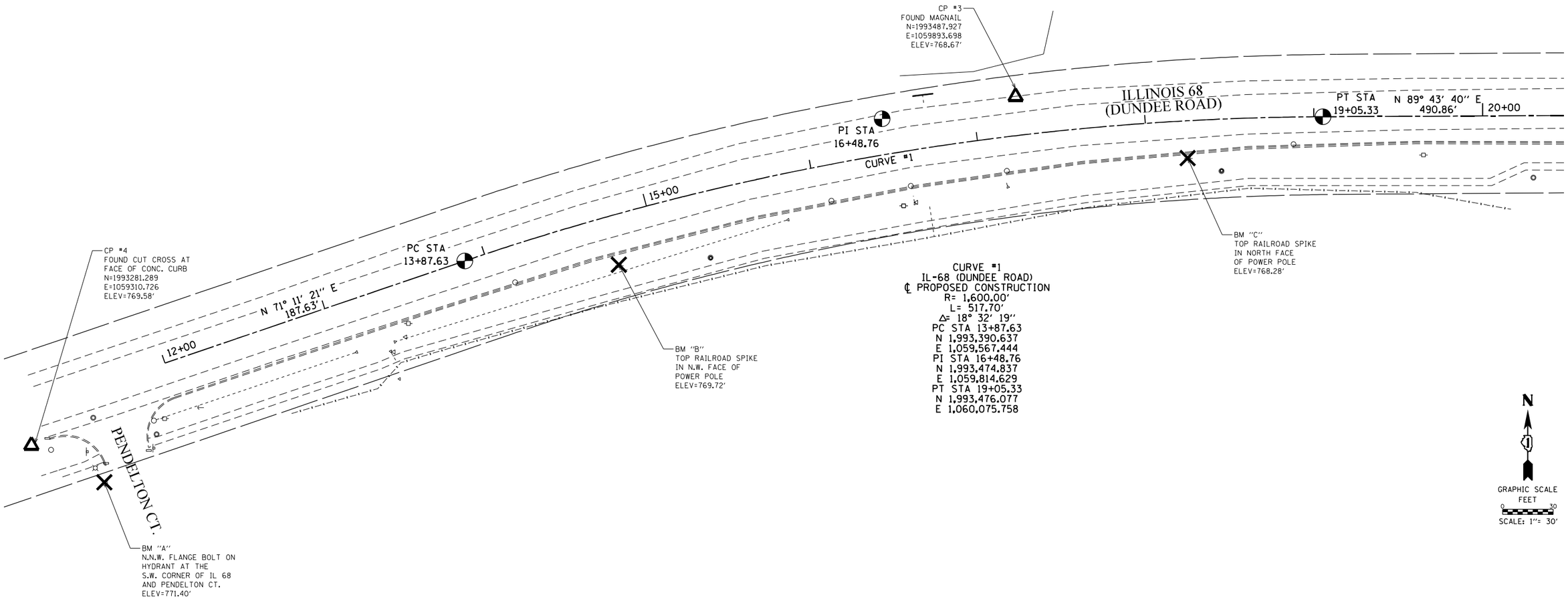
USER NAME = akshar.patel	DESIGNED - MJ	REVISED -	
	DRAWN - MT	REVISED -	
PLOT SCALE = 10.000 ' / in.	CHECKED - JC	REVISED -	
PLOT DATE = 1/9/2025	DATE - 12/09/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

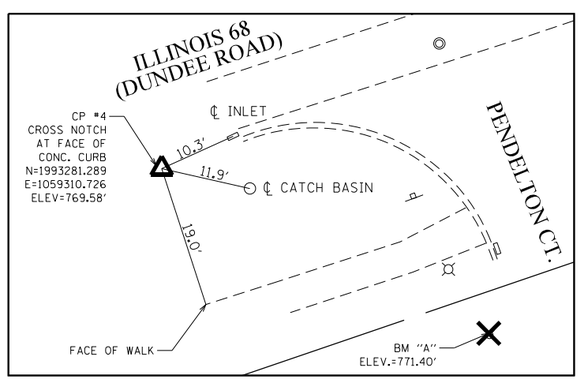
PROPOSED TYPICAL SECTIONS
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: NTS | SHEET 1 OF 1 SHEETS | STA. TO STA.

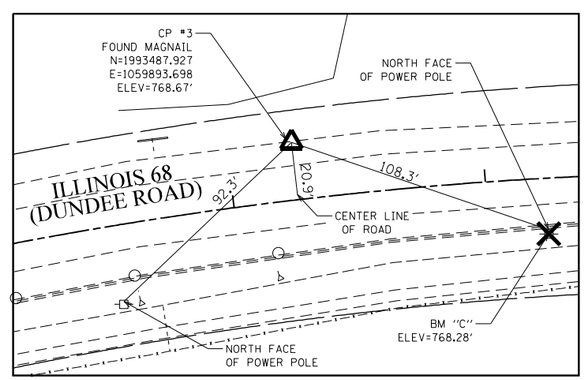
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	7
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	



CURVE #1
IL-68 (DUNDEE ROAD)
℄ PROPOSED CONSTRUCTION
R= 1,600.00'
L= 517.70'
Δ= 18° 32' 19"
PC STA 13+87.63
N 1,993,390.637
E 1,059,567.444
PI STA 16+48.76
N 1,993,474.837
E 1,059,814.629
PT STA 19+05.33
N 1,993,476.077
E 1,060,075.758



CONTROL POINT #4
FOUND CUT "X"



CONTROL POINT #3
FOUND MAGNAIL

ALIGNMENT STATION TABLE

ILLINOIS 68 (DUNDEE ROAD)			
STATION	NORTHING	EASTING	DESCRIPTION
12+00	1,993,330.136	1,059,389.836	START
13+87.63	1,993,390.637	1,059,567.444	CURVE #1 PC
16+48.76	1,993,474.837	1,059,814.629	CURVE #1 PI
19+05.33	1,993,476.077	1,060,075.758	CURVE #1 PT
23+96.19	1,993,478.409	1,060,566.612	PI
33+59.20	1,993,480.913	1,061,529.623	END

PTB 199-013 WO #5
EDI PROJECT 1980.005

Environmental Design International inc.
Civil, Survey, Environmental and Construction Inspection Services
33 W. MONROE STREET, SUITE 1825, CHICAGO, IL 60603
Ph. (312) 345-1400 Fax (312)345-0529
www.envdesignIL.com MBE/WBE/DBE
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USER NAME = aselber	DESIGNED - JJS	REVISED -	
	DRAWN - JJS	REVISED -	
PLOT SCALE = 60.0000 ' / in.	CHECKED - KAN	REVISED -	
PLOT DATE = 12/12/2024	DATE - 01/26/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT & TIES
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: 1" = 30' | SHEET 1 OF 3 SHEETS | STA. 12+00.00 TO STA. 33+59.20

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	8

CONTRACT NO. 62R73
ILLINOIS | FED. AID PROJECT

MODEL: Default
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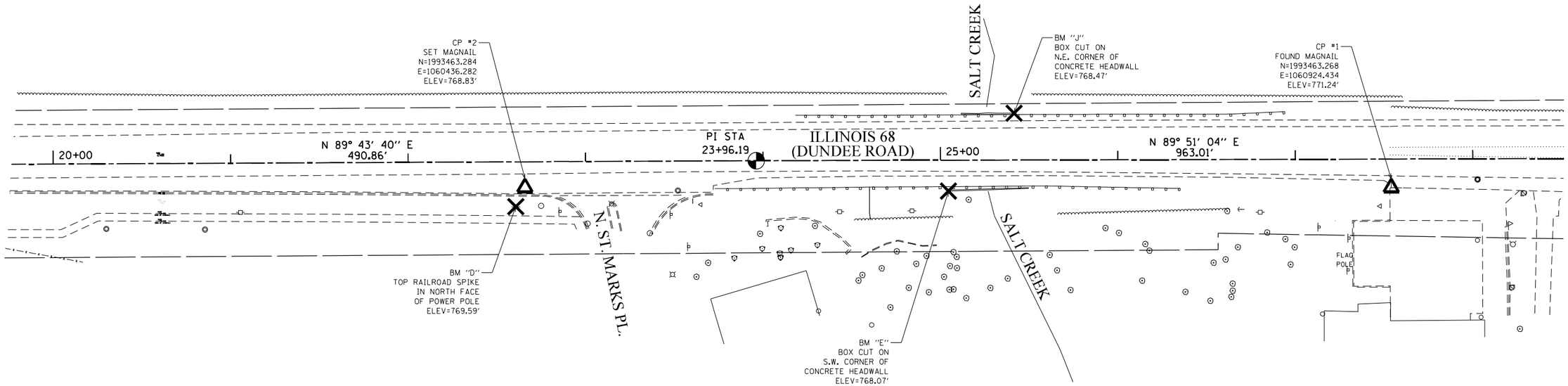

N

GRAPHIC SCALE
FEET
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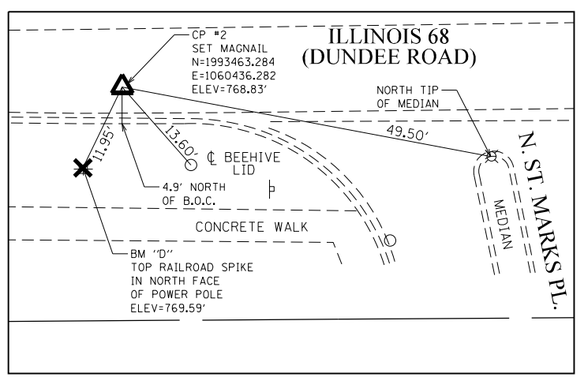
SCALE: 1"= 30'



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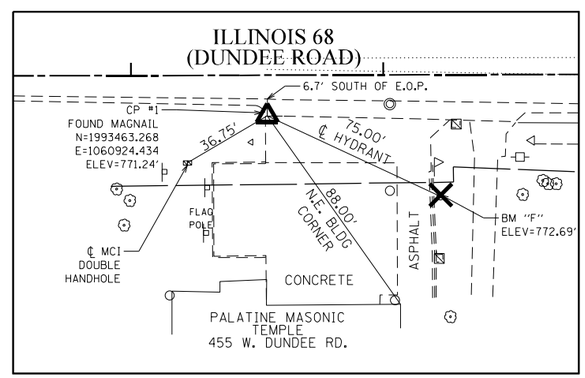

CONTROL POINT #1
FOUND MAGNAIL

ALIGNMENT STATION TABLE

ILLINOIS 68 (DUNDEE ROAD)			
STATION	NORTHING	EASTING	DESCRIPTION
12+00	1,993,330.136	1,059,389.836	START
13+87.63	1,993,390.637	1,059,567.444	CURVE #1 PC
16+48.76	1,993,474.837	1,059,814.629	CURVE #1 PI
19+05.33	1,993,476.077	1,060,075.758	CURVE #1 PT
23+96.19	1,993,478.409	1,060,566.612	PI
33+59.20	1,993,480.913	1,061,529.623	END

PTB 199-013 WO #5
EDI PROJECT 1980.005

Environmental Design International inc.
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33 W. MONROE STREET, SUITE 1825, CHICAGO, IL 60603
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	DRAWN - JJS	REVISED -	
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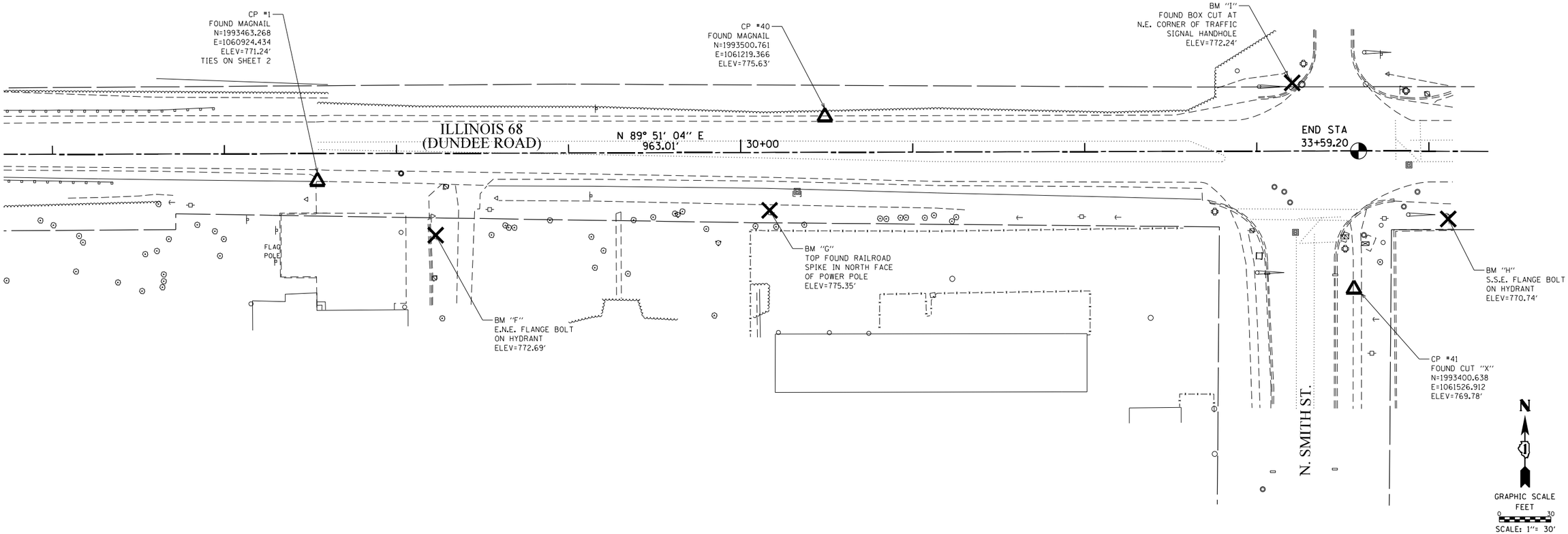
PLOT DATE = 12/12/2024	DATE - 01/26/2024	REVISED -	

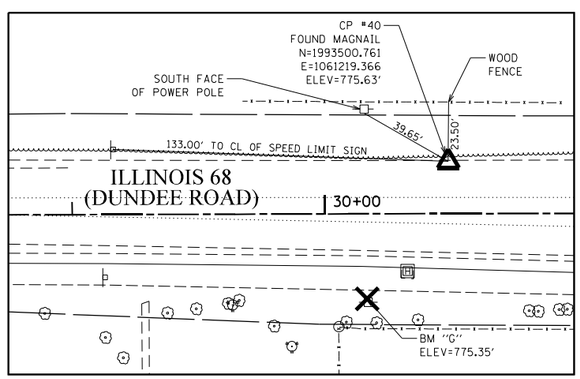
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT & TIES
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: 1" = 30' | SHEET 2 OF 3 SHEETS | STA. 12+00.00 TO STA. 33+59.20

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	9
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	





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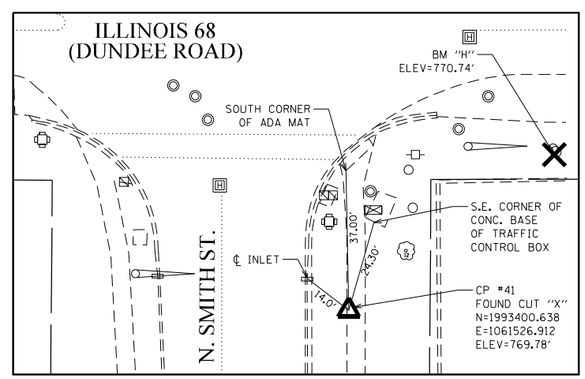

CONTROL POINT #41
FOUND CUT "X"

ALIGNMENT STATION TABLE

ILLINOIS 68 (DUNDEE ROAD)			
STATION	NORTHING	EASTING	DESCRIPTION
12+00	1,993,330.136	1,059,389.836	START
13+87.63	1,993,390.637	1,059,567.444	CURVE #1 PC
16+48.76	1,993,474.837	1,059,814.629	CURVE #1 PI
19+05.33	1,993,476.077	1,060,075.758	CURVE #1 PT
23+96.19	1,993,478.409	1,060,566.612	PI
33+59.20	1,993,480.913	1,061,529.623	END

PTB 199-013 WO #5
EDI PROJECT 1980.005

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Civil, Survey, Environmental and Construction Inspection Services
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USER NAME = aselber	DESIGNED - JJS	REVISED -	
	DRAWN - JJS	REVISED -	
PLOT SCALE = 60.0000 ' / in.	CHECKED - KAN	REVISED -	
PLOT DATE = 12/12/2024	DATE - 01/26/2024	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT & TIES
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: 1" = 30' | SHEET 3 OF 3 SHEETS | STA. 12+00.00 TO STA. 33+59.20

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	10
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: C:\Users\aselber\AppData\Local\Temp\AcPublish_2024\Plot Order #5 62R73\CAD\CAD Sheets\D16R73-sht-ATB3.dgn

LEGEND

- SIDEWALK REMOVAL
- AGGREGATE SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- EARTH EXCAVATION
- MEDIAN REMOVAL
- CURB OR CURB & GUTTER REMOVAL
- TREE TRUNK PROTECTION
- REMOVAL ITEM

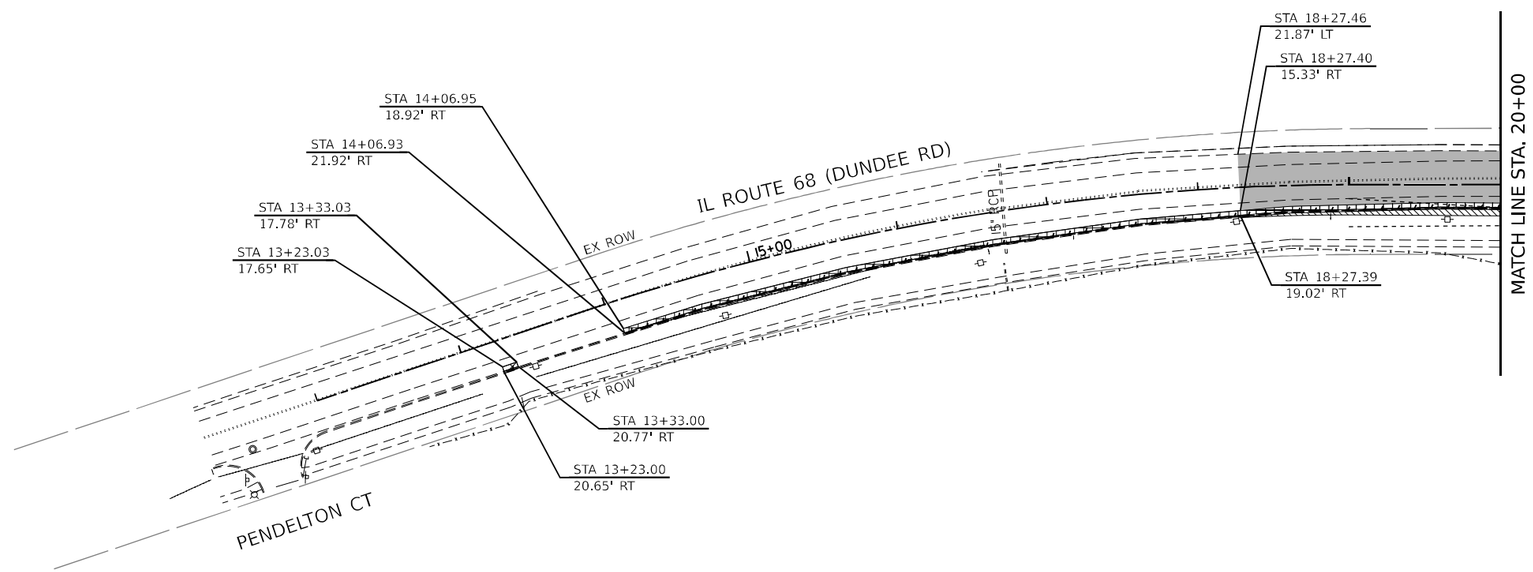
NOTE:

SEE DRAINAGE REMOVAL SHEETS FOR DETAILS ON DRAINAGE REMOVAL ITEMS.

N

0 50 100 150

SCALE IN FEET



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Peralte-Clark LLC	USER NAME = akshar.patel	DESIGNED - MJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - AP	REVISED -	
	PLOT SCALE = 100.000 ' / in.	CHECKED - JC	REVISED -	
	PLOT DATE = 12/11/2024	DATE - 12/09/2022	REVISED -	

REMOVAL PLANS
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: 1"=50' | SHEET 1 OF 2 SHEETS | STA. 12+60 TO STA. 20+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	11
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	

LEGEND

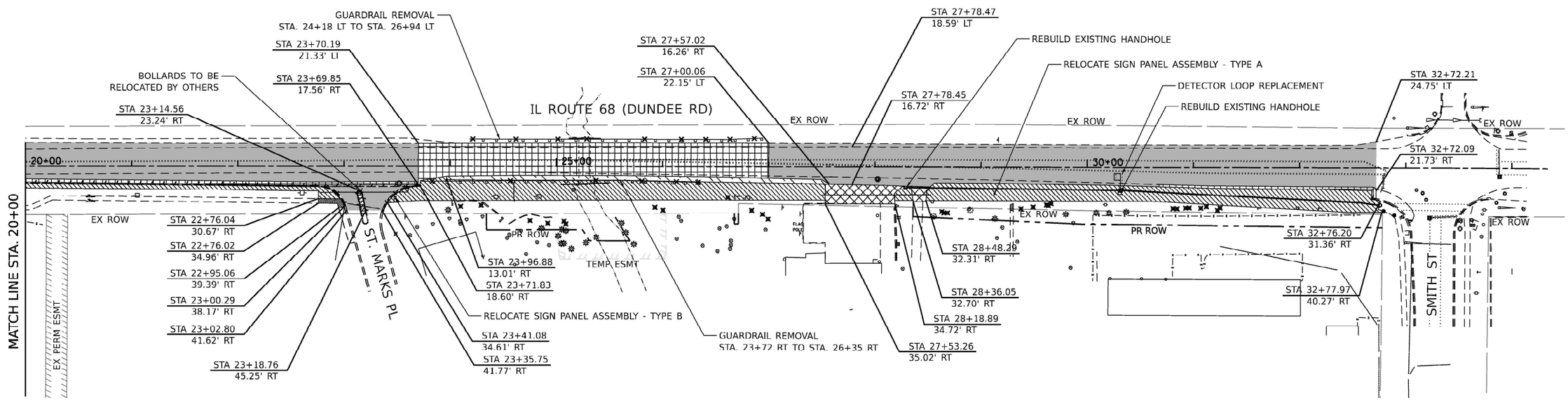
- SIDEWALK REMOVAL
- AGGREGATE SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- EARTH EXCAVATION
- MEDIAN REMOVAL
- CURB OR CURB & GUTTER REMOVAL
- TREE TRUNK PROTECTION
- REMOVAL ITEM

NOTE:

SEE DRAINAGE REMOVAL SHEETS FOR DETAILS ON DRAINAGE REMOVAL ITEMS.

N

0 50 100 150
SCALE IN FEET



TREE #	STATION	OFFSET	X2010400 - STUMP REMOVAL ONLY (UNIT)	NOTES
1	24+10	37.88' RT	8	
2	24+29	36.78' RT	6	
3	24+75	51.25' RT	6	
4	24+92	53.80' RT	6	
5	25+07	51.76' RT	6	
6	25+09	54.45' RT	6	
7	25+92	38.44' RT	8	
8	26+00	41.21' RT	8	
9	26+62	29.05' RT	8	
10	26+84	41.19' RT	8	
11	26+94	44.94' RT	12	
12	27+00	49.52' RT	12	
13	28+63	41.97' RT	8	
14	28+65	43.28' RT	8	MULTI-STEM
15	28+68	43.27' RT	8	
16	29+38	39.07' RT	32	
17	29+49	39.28' RT	6	
18	29+62	35.40' RT	6	
19	29+63	35.98' RT	10	
20	29+66	34.14' RT	8	
21	30+01	30.54' RT	16	MULTI-STEM
22	30+85	38.78' RT	8	
23	30+93	38.10' RT	6	
24	30+96	37.98' RT	8	
25	31+07	38.21' RT	6	
26	31+12	36.80' RT	8	
27	31+23	40.25' RT	10	MULTI-STEM
28	31+25	37.87' RT	10	
TOTAL			252	

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Peralte-Clark LLC

USER NAME = akshar.patel	DESIGNED - MJ	REVISED -	
	DRAWN - AP	REVISED -	
PLOT SCALE = 100.000 ' / in.	CHECKED - JC	REVISED -	
PLOT DATE = 12/11/2024	DATE - 12/09/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. 20+00 TO STA. 32+65

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	12

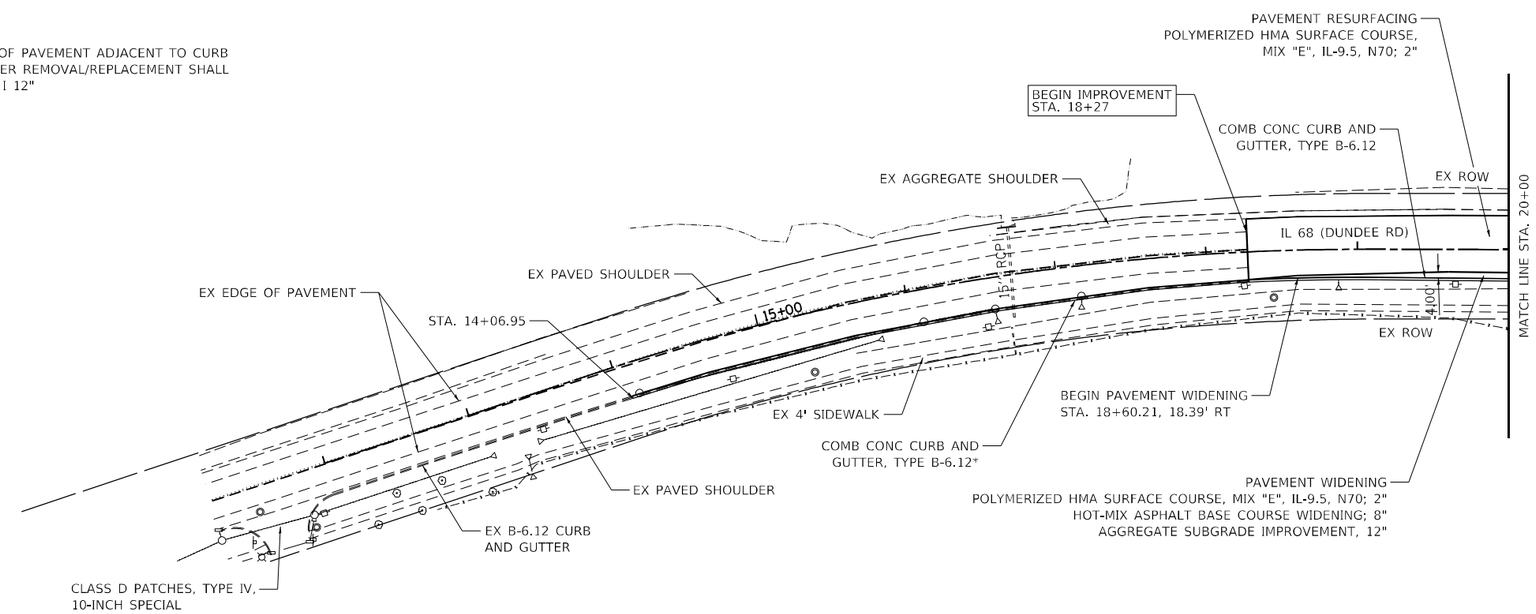
CONTRACT NO. 62R73

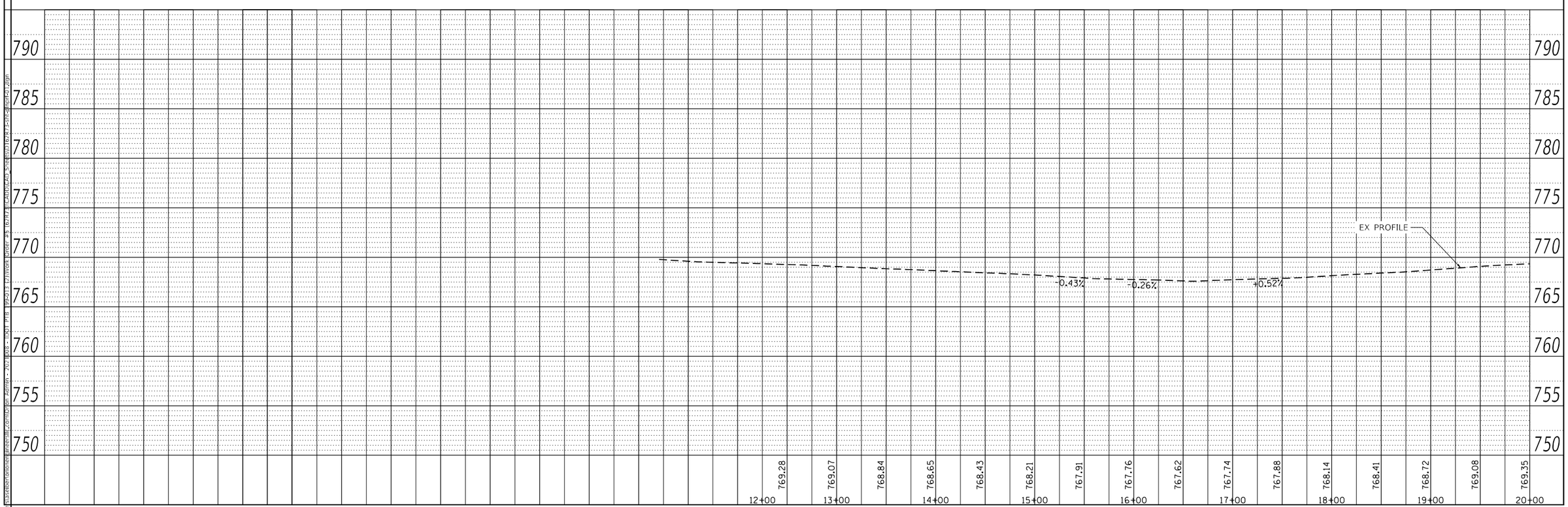
ILLINOIS | FED. AID PROJECT

N

0 50 100 150
SCALE IN FEET

* OUTSIDE OF RESURFACING LIMITS RESTORATION OF PAVEMENT ADJACENT TO CURB AND GUTTER REQUIRED AS PART OF STORM SEWER REMOVAL/REPLACEMENT SHALL BE INCLUDED IN STORM SEWERS, CLASS A, TYPE I 12"





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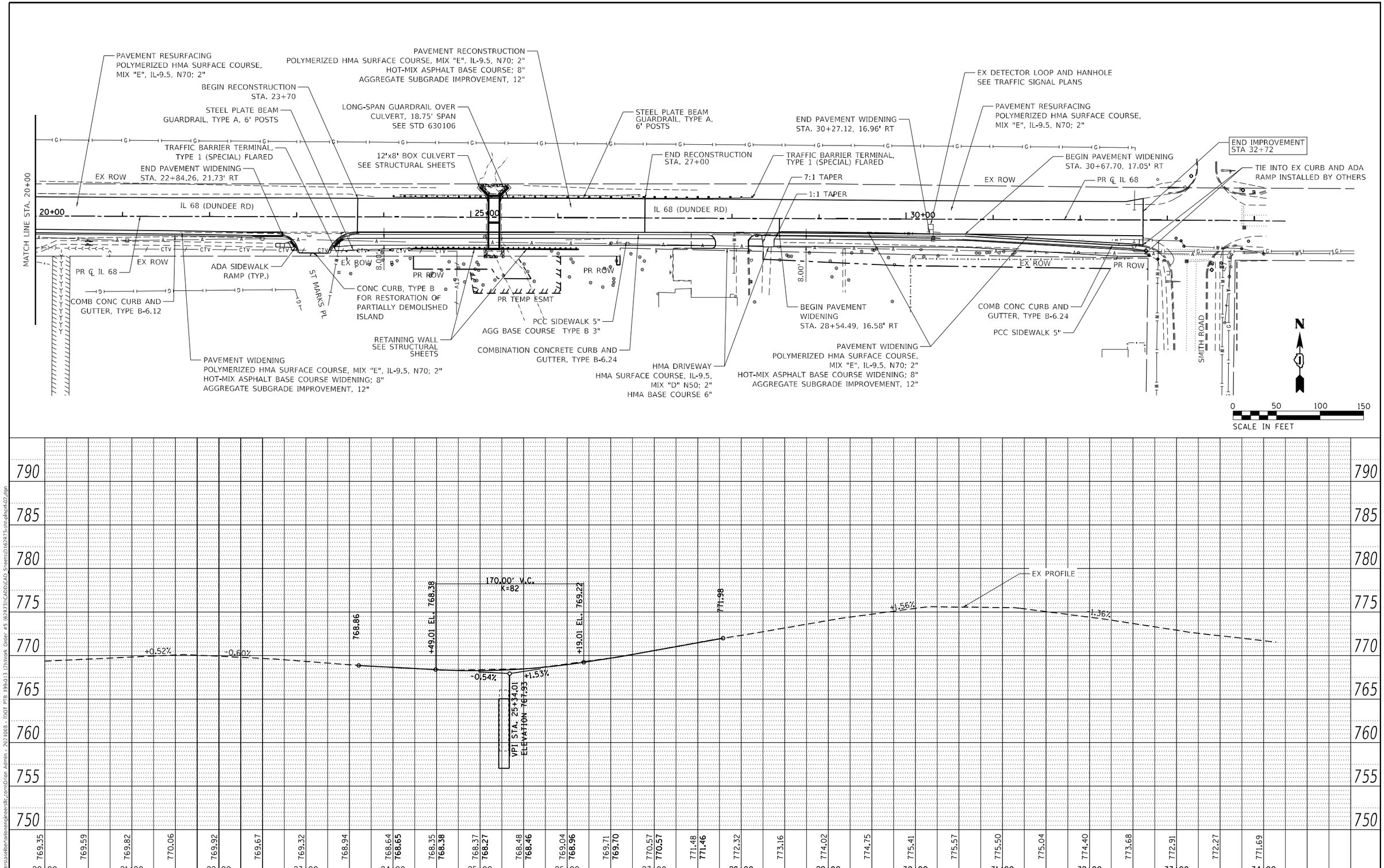
		DRAWN - MBC	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - LJ	REVISED -
	PLOT DATE = 12/12/2024	DATE - 12/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: SHEET OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	13
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	



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ORION ENGINEERS	USER NAME = aselber	DESIGNED - MBC	REVISED -
		DRAWN - MBC	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED - LJ	REVISED -
	PLOT DATE = 12/12/2024	DATE - 12/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	14

CONTRACT NO. 62R73

ILLINOIS | FED. AID PROJECT

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE MAINTENANCE OF TRAFFIC PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING THE EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY MODIFY THE MAINTENANCE OF TRAFFIC PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

2. ALL TRAFFIC CONTROL DEVICES SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS SPECIFIED IN THE TRAFFIC CONTROL SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.

3. THE TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.

4. EXISTING SIGNS WITHIN THE LIMITS OF TRAFFIC CONTROL WHICH ARE OBSTRUCTED BY OR OTHERWISE INTERFERED WITH BY CONSTRUCTION OPERATIONS OF DESIGNATED TRAFFIC CONTROL, SHALL BE COVERED OR REMOVED BY THE CONTRACTOR UNLESS SPECIFIED IN THE PLANS OR WHEN DIRECTED BY THE ENGINEER. THIS WORK SHALL BE AS SPECIFIED IN ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.

5. CONTRACTOR SHALL REMOVE OR COVER W21-1 (WORKERS PRESENT) AND W20-7 (FLAGGER) SIGNS WHEN WORKERS ARE NOT PRESENT OR IF THE SIGN IS NOT APPLICABLE.

6. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOP OF THE BARRICADE IS IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.

7. TYPE I OR TYPE II BARRICADES WITH TWO-WAY FLASHING LIGHTS SHALL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, TRANSVERSE PAVEMENT JOINTS, MATERIALS OR EQUIPMENT WITHIN THE RIGHT-OF-WAY (NUMBER AND SPACING DEPENDS ON THE CONDITIONS); AND AT LOCATIONS DESIGNATED BY THE ENGINEER OR LOCAL LAW ENFORCEMENT AGENCIES.

8. A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE ARTERIALS TRAFFIC CONTROL SUPERVISOR 14 DAYS IN ADVANCE OF ANY STAGE CHANGES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO: FULL ROADWAY CLOSURES, DETOURS, SHOULDER CLOSURES, EXISTING GEOMETRICS, AND EQUIPMENT AND MATERIAL LOCATION.

9. REMOVE ANY EXISTING PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKING REFLECTIONS, AS REQUIRED, IF IN CONFLICT WITH THE TEMPORARY PAVEMENT MARKINGS FOR TRAFFIC CONTROL AND PROTECTION AS SHOWN ON THE PLANS.

10. THE FURNISHING, INSTALLATION, RELOCATION, COVERING, AND REMOVAL OF ALL TRAFFIC CONTROL DEVICES SHOWN ON THESE MAINTENANCE OF TRAFFIC PLANS AND ON THE APPLICABLE IDOT TRAFFIC CONTROL STANDARDS SHALL BE PAID FOR UNDER THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

11. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGE EVENTS ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN 2 WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.

12. DROP-OFFS ADJACENT TO THE TRAVEL LANE SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE IDOT BUREAU OF SAFETY PROGRAMS AND ENGINEERING, SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 12" AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FT OF THE EDGE OF THE TRAVEL LANE SHALL BE BACKFILLED IN ACCORDANCE WITH TABLE 2, CONDITION II OF THE SAFETY 4-21 POLICY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENTS TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT. WHERE TEMPORARY CONCRETE BARRIER IS PROVIDED, THIS REQUIREMENT IS NULLIFIED.

SUGGEST SEQUENCE OF OPERATIONS

STAGE 1

1. SHIFT TWO WAY TRAFFIC TO THE NORTH ON IL 68 WHILE SOUTH SIDE OF IL 68 IS BEING BUILT.

2. PLACE TEMPORARY PAVEMENT SOUTH OF PROPOSED SOUTHERN EDGE OF PAVEMENT IN ORDER TO MAINTAIN TWO LANES OF TRAFFIC DURING STAGE 2.

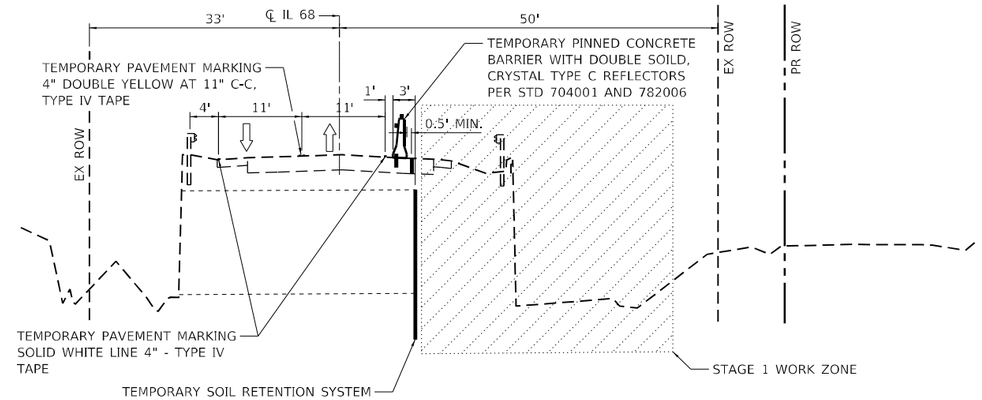
STAGE 2

1. SHIFT TWO WAY TRAFFIC TO THE NEWLY BUILT SOUTH SIDE OF IL 68.

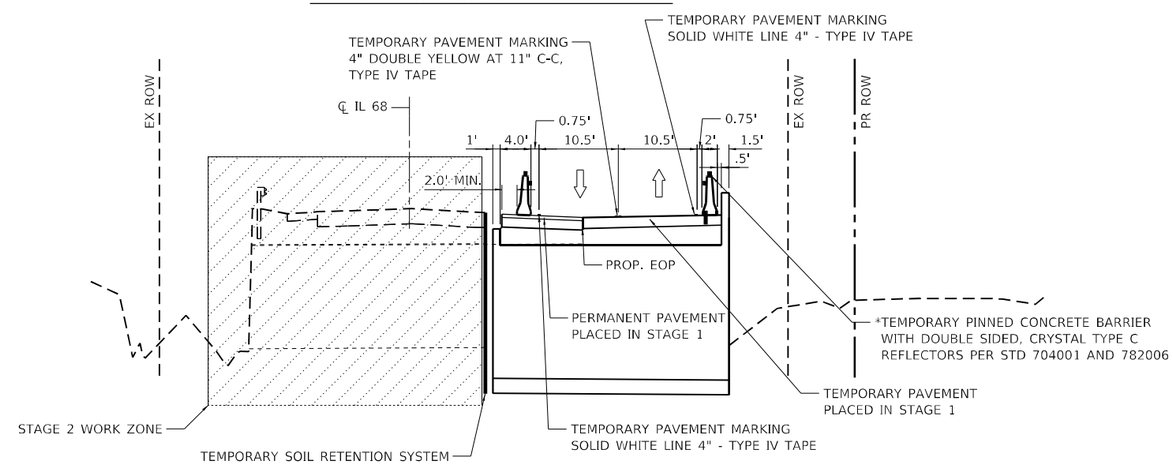
2. PROCEED WITH CONSTRUCTION ON THE NORTH SIDE OF IL 68.

STAGE 3

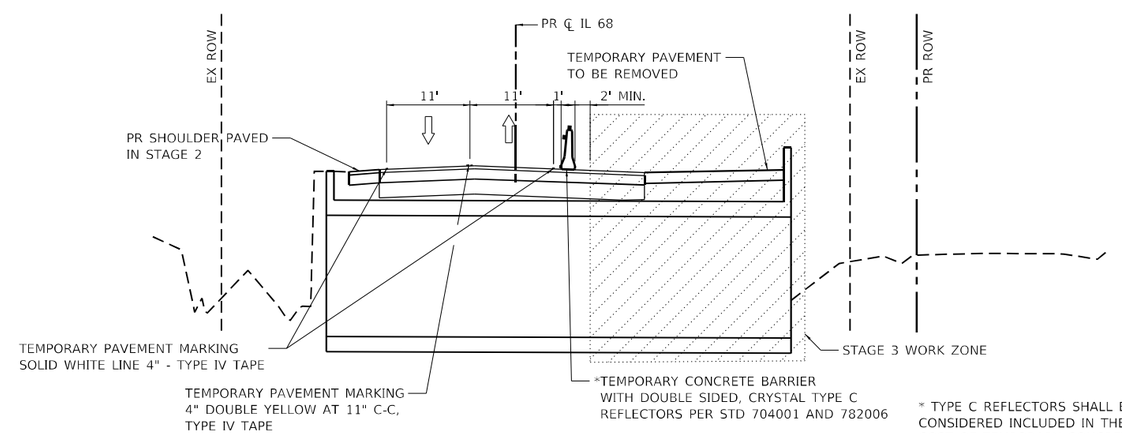
1. REMOVAL OF TEMPORARY PAVEMENT, FINAL SURFACING, GUARDRAIL INSTALLATION, PERMANENT PAVEMENT MARKINGS, AND CONSTRUCTION OF SHARED USE PATH TO BE DONE USING DAILY LANE CLOSURES WITH FLAGGERS WHILE MAINTAINING A SINGLE LANE IN EACH DIRECTION.



MOT TYPICAL SECTION – STAGE 1



MOT TYPICAL SECTION – STAGE 2



* TYPE C REFLECTORS SHALL BE CONSIDERED INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER.

MOT TYPICAL SECTION – STAGE 3

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ORION ENGINEERS	USER NAME = aselber	DESIGNED - MBC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN - MBC	REVISED -	
	PLOT SCALE = 2.0000 ' / in.	CHECKED - LJ	REVISED -	
	PLOT DATE = 1/16/2025	DATE - 12/16/2022	REVISED -	

CONSTRUCTION STAGING NOTES AND TYPICAL SECTIONS
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: | SHEET 1 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	15
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	

DESIGN DATA

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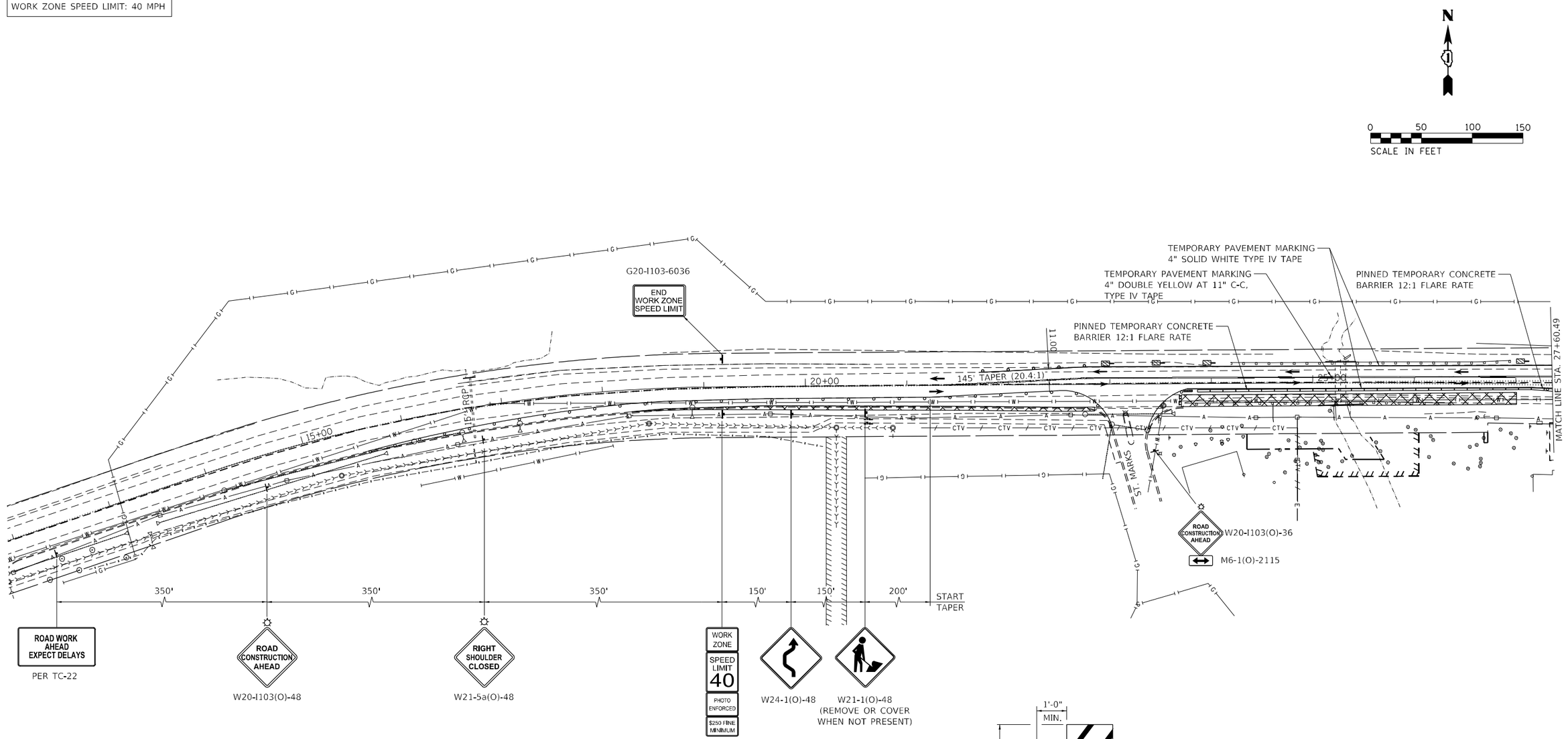
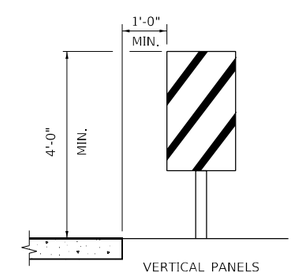
WORK ZONE SPEED LIMIT: 40 MPH





VERTICAL PANELS
(POST MOUNTED, ONE EACH SIDE)
PER STD 701901-08

LEGEND

- TRAFFIC SIGN
- WORK AREA
- IMPACT ATTENUATOR
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER WITH DOUBLE SIDED, CRYSTAL TYPE C REFLECTORS PER STD. 704001 AND 782006
- TYPE II BARRICADE OR DRUM (50' C-C ON TANGENTS, 25' C-C ON TAPERS, AND 10' C-C ON RADII)
- DIRECTION OF TRAFFIC
- DOUBLE VERTICAL PANEL (50' C-C ON TANGENTS AND 25' C-C ON TAPERS) PER STD. 701901-08

MODEL: Default
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ORION ENGINEERS

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	DRAWN - MBC	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED - LJ	REVISED -	
PLOT DATE = 1/10/2025	DATE - 12/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE I
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: | SHEET 2 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	16

CONTRACT NO. 62R73
ILLINOIS | FED. AID PROJECT

DESIGN DATA

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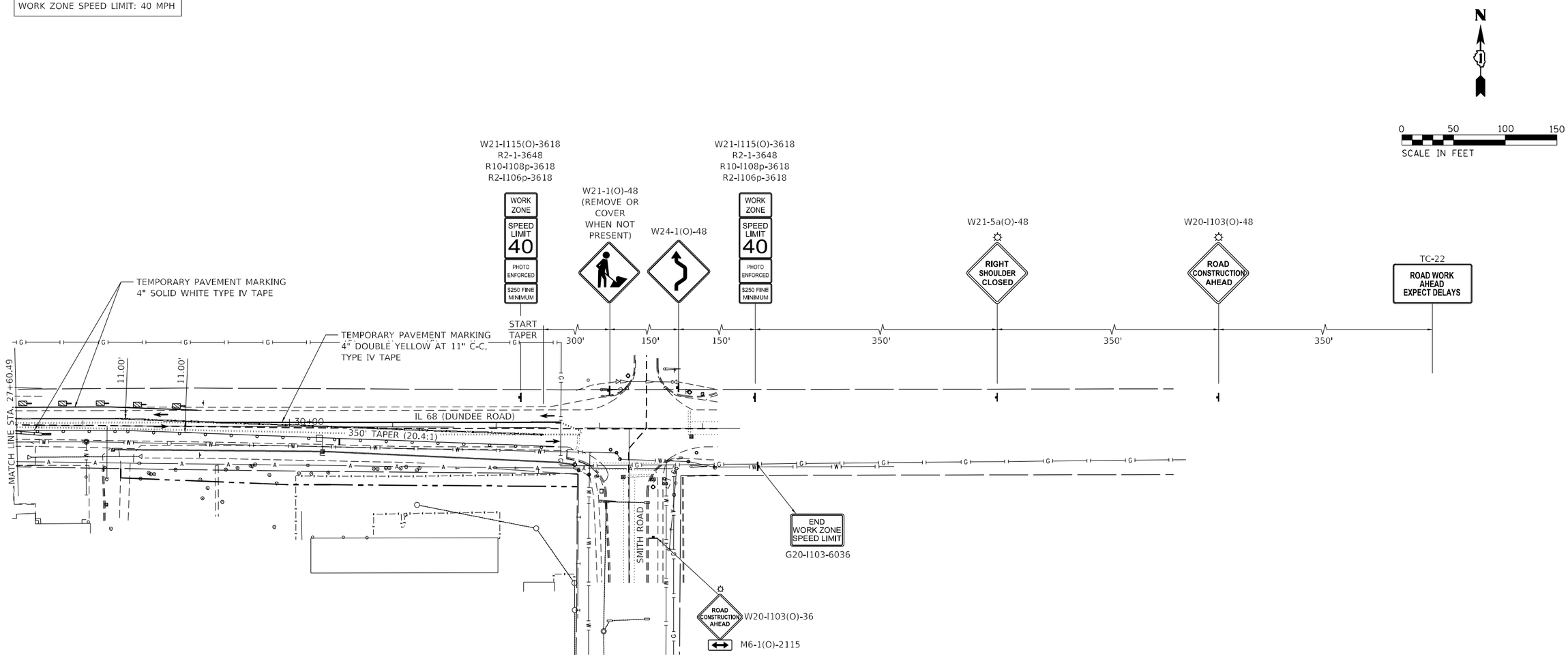

LEGEND

- TRAFFIC SIGN
- WORK AREA
- IMPACT ATTENUATOR
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER WITH DOUBLE SIDED, CRYSTAL TYPE C REFLECTORS PER STD. 704001 AND 782006
- TYPE II BARRICADE OR DRUM (50' C-C ON TANGENTS, 25' C-C ON TAPERS, AND 10' C-C ON RADII)
- DIRECTION OF TRAFFIC
- DOUBLE VERTICAL PANEL (50' C-C ON TANGENTS AND 25' C-C ON TAPERS) PER STD. 701901-08

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		DRAWN - MBC	REVISED -	
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	PLOT DATE = 1/10/2025	DATE - 12/16/2022	REVISED -	

MAINTENANCE OF TRAFFIC – STAGE I
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: | SHEET 3 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	17
		CONTRACT NO. 62R73		
	ILLINOIS	FED. AID PROJECT		

DESIGN DATA

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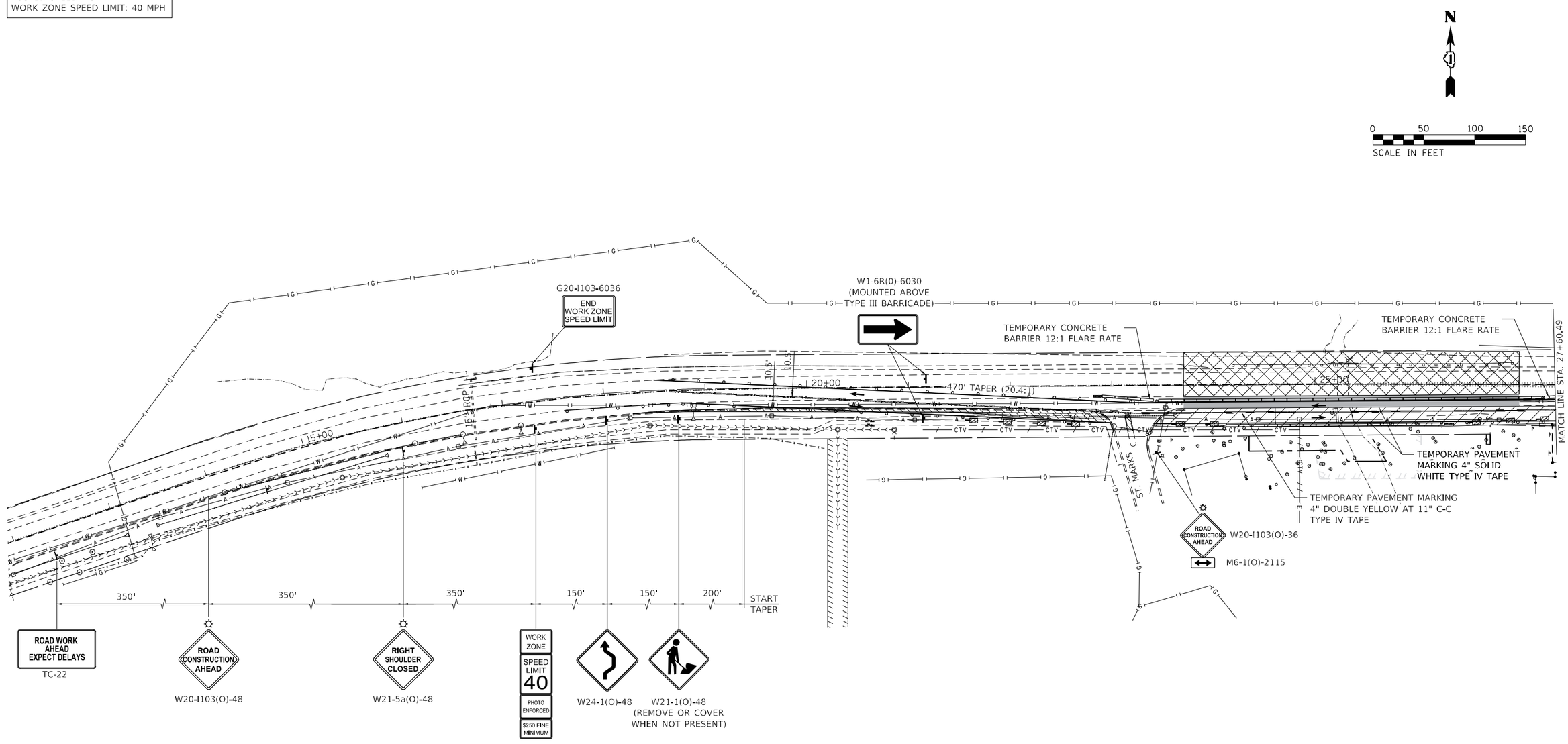

LEGEND

- TRAFFIC SIGN
- WORK AREA
- IMPACT ATTENUATOR
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER WITH DOUBLE SIDED, CRYSTAL TYPE C REFLECTORS PER STD. 704001 AND 782006
- TYPE II BARRICADE OR DRUM (50' C-C ON TANGENTS, 25' C-C ON TAPERS, AND 10' C-C ON RADII)
- TEMPORARY PAVEMENT PLACED IN STAGE 1
- PERMANENT PAVEMENT PLACED IN STAGE 1
- DIRECTION OF TRAFFIC
- DOUBLE VERTICAL PANEL (50' C-C ON TANGENTS AND 25' C-C ON TAPERS) PER STD. 701901-08

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ORION ENGINEERS

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PLOT DATE = 1/10/2025	DATE - 12/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE II
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: | SHEET 4 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	18
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	

DESIGN DATA

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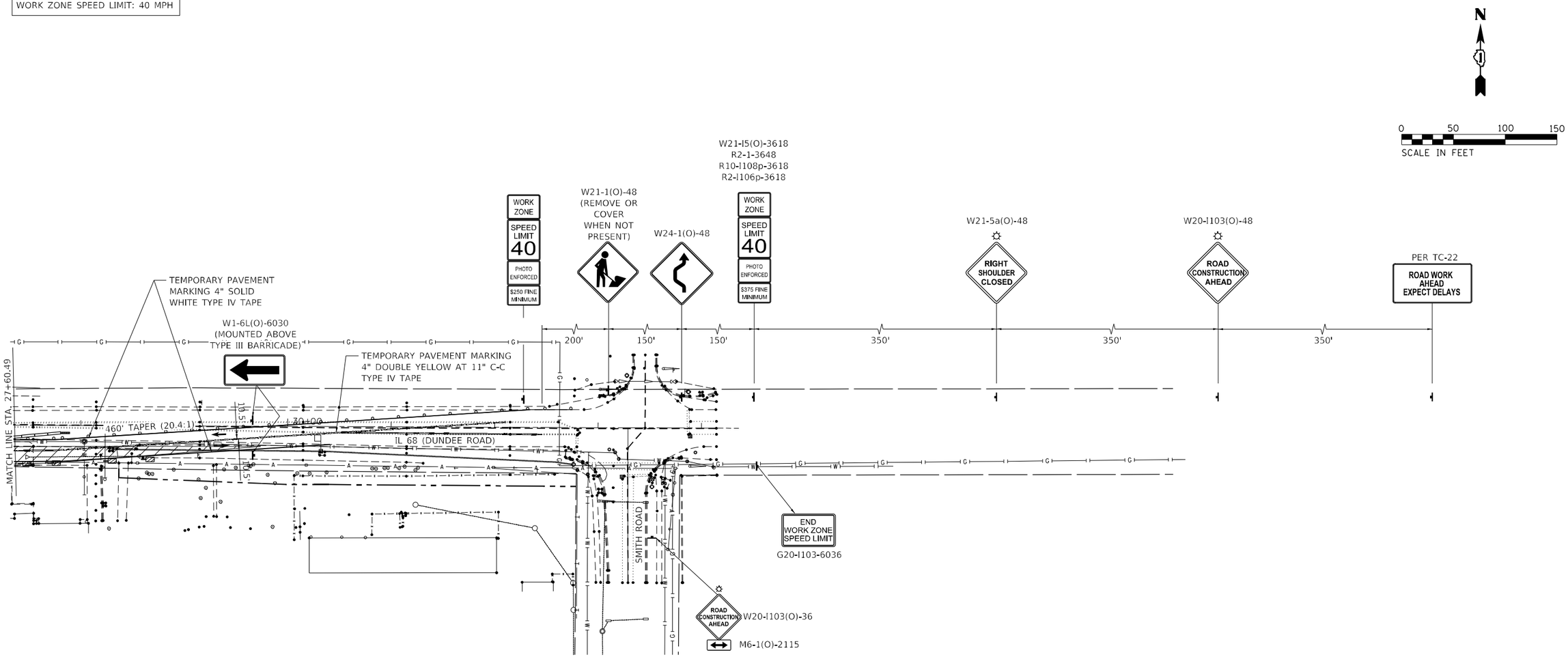

LEGEND

- TRAFFIC SIGN
- WORK AREA
- IMPACT ATTENUATOR
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER WITH DOUBLE SIDED, CRYSTAL TYPE C REFLECTORS PER STD. 704001 AND 782006
- TYPE II BARRICADE OR DRUM (50' C-C ON TANGENTS, 25' C-C ON TAPERS, AND 10' C-C ON RADII)
- TEMPORARY PAVEMENT PLACED IN STAGE 1
- PERMANENT PAVEMENT PLACED IN STAGE 1
- DIRECTION OF TRAFFIC
- DOUBLE VERTICAL PANEL (50' C-C ON TANGENTS AND 25' C-C ON TAPERS) PER STD. 701901-08

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ORION ENGINEERS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

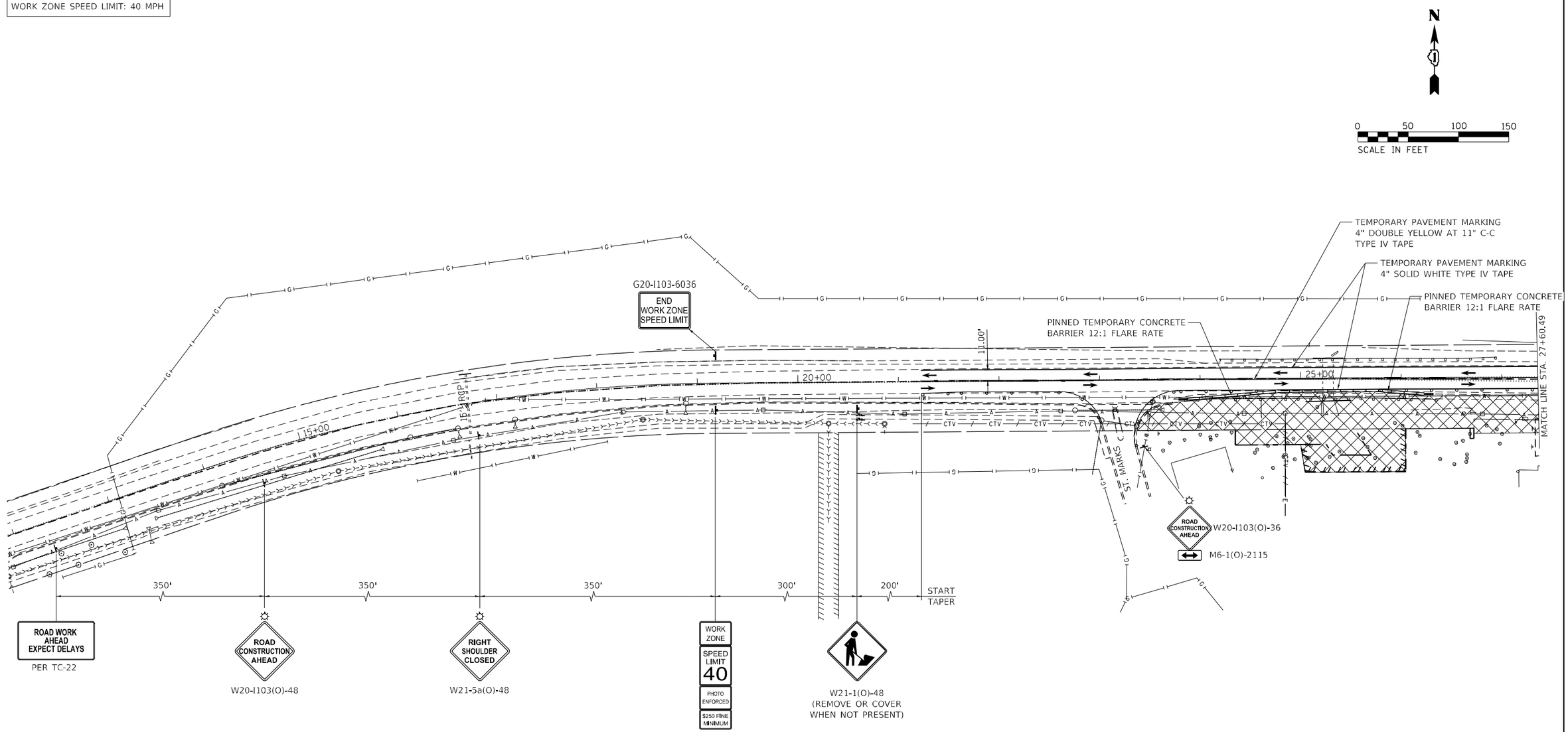
MAINTENANCE OF TRAFFIC – STAGE II
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: | SHEET 5 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	19
		CONTRACT NO. 62R73		
	ILLINOIS	FED. AID PROJECT		

DESIGN DATA

POSTED SPEED: 45 MPH
WORK ZONE SPEED LIMIT: 40 MPH



LEGEND

- TRAFFIC SIGN
- WORK AREA
- IMPACT ATTENUATOR
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER WITH DOUBLE SIDED, CRYSTAL TYPE C REFLECTORS PER STD. 704001 AND 782006
- TYPE II BARRICADE OR DRUM (50' C-C ON TANGENTS, 25' C-C ON TAPERS, AND 10' C-C ON RADII)
- DIRECTION OF TRAFFIC

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ORION ENGINEERS	USER NAME = aselber	DESIGNED - MBC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC – STAGE III
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	PLOT SCALE = 100.0000 ' / in.	CHECKED - LJ	REVISED -		SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.
	PLOT DATE = 1/10/2025	DATE - 12/16/2022	REVISED -		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	20
		CONTRACT NO. 62R73		
	ILLINOIS	FED. AID PROJECT		

DESIGN DATA

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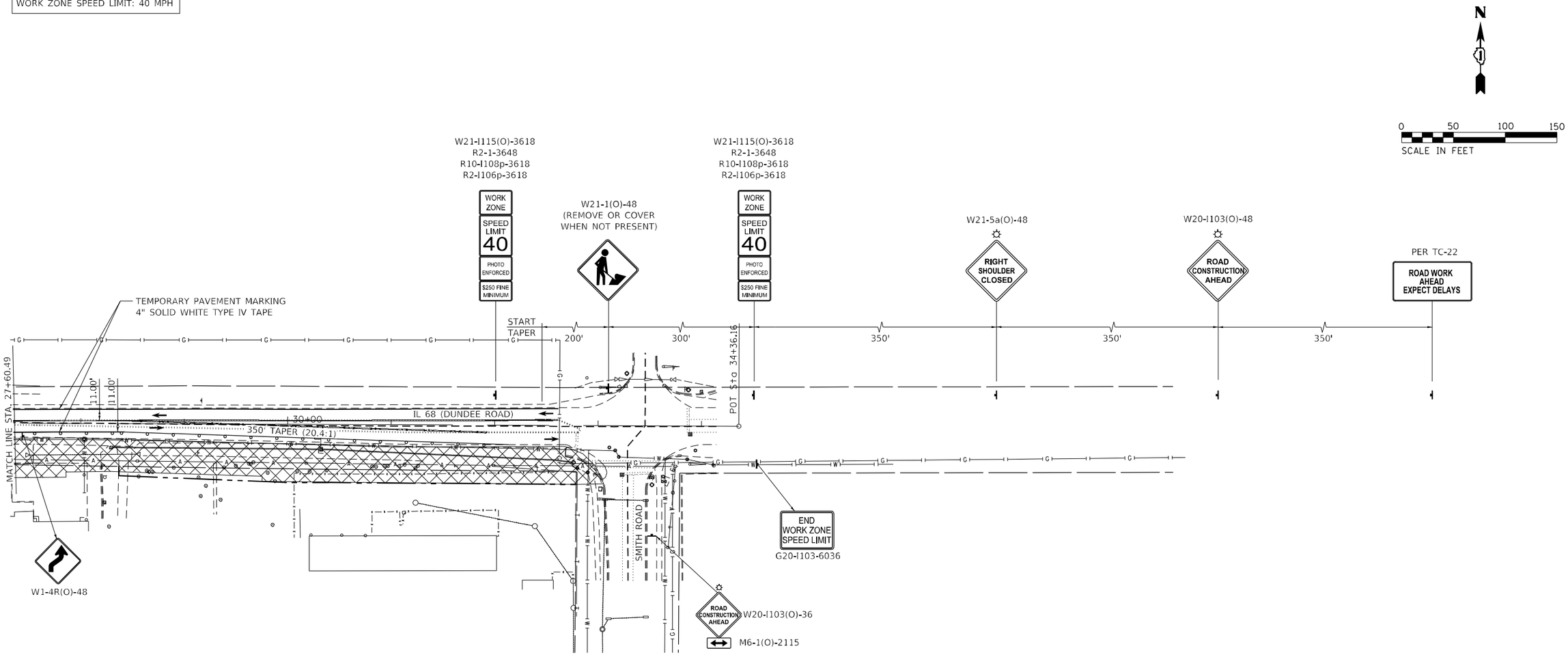
WORK ZONE SPEED LIMIT: 40 MPH



LEGEND

- TRAFFIC SIGN
- WORK AREA
- IMPACT ATTENUATOR
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER WITH DOUBLE SIDED, CRYSTAL TYPE C REFLECTORS PER STD. 704001 AND 782006
- TYPE II BARRICADE OR DRUM (50' C-C ON TANGENTS, 25' C-C ON TAPERS, AND 10' C-C ON RADII)
- DIRECTION OF TRAFFIC

MODEL: Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC – STAGE III
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: | SHEET 7 OF 7 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	21
		CONTRACT NO. 62R73		
	ILLINOIS	FED. AID PROJECT		

EROSION CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES-MAINTENANCE GUIDE: HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENTAL/STORM-WATER-MANAGEMENT-PROGRAM/EROSION-AND-SEDIMENT-CONTROL.

2. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE REPAIR.

3. THE CONTRACTOR SHALL CHECK ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL 1/2 INCH OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOW MELT.

4. THE CONTRACTOR SHALL PROVIDE THE RESIDENT ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THE USE OF A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS, ESPECIALLY WHEN RAIN IS FORECASTED, SO THAT FLOW WILL NOT ERODE. LACK OF APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.

5. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.

6. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED IMMEDIATELY UPON COMPLETION OF DISTURBANCE OR IF THE WORK AREA IS TO BE LEFT UNDISTURBED FOR 14 DAYS OR MORE.

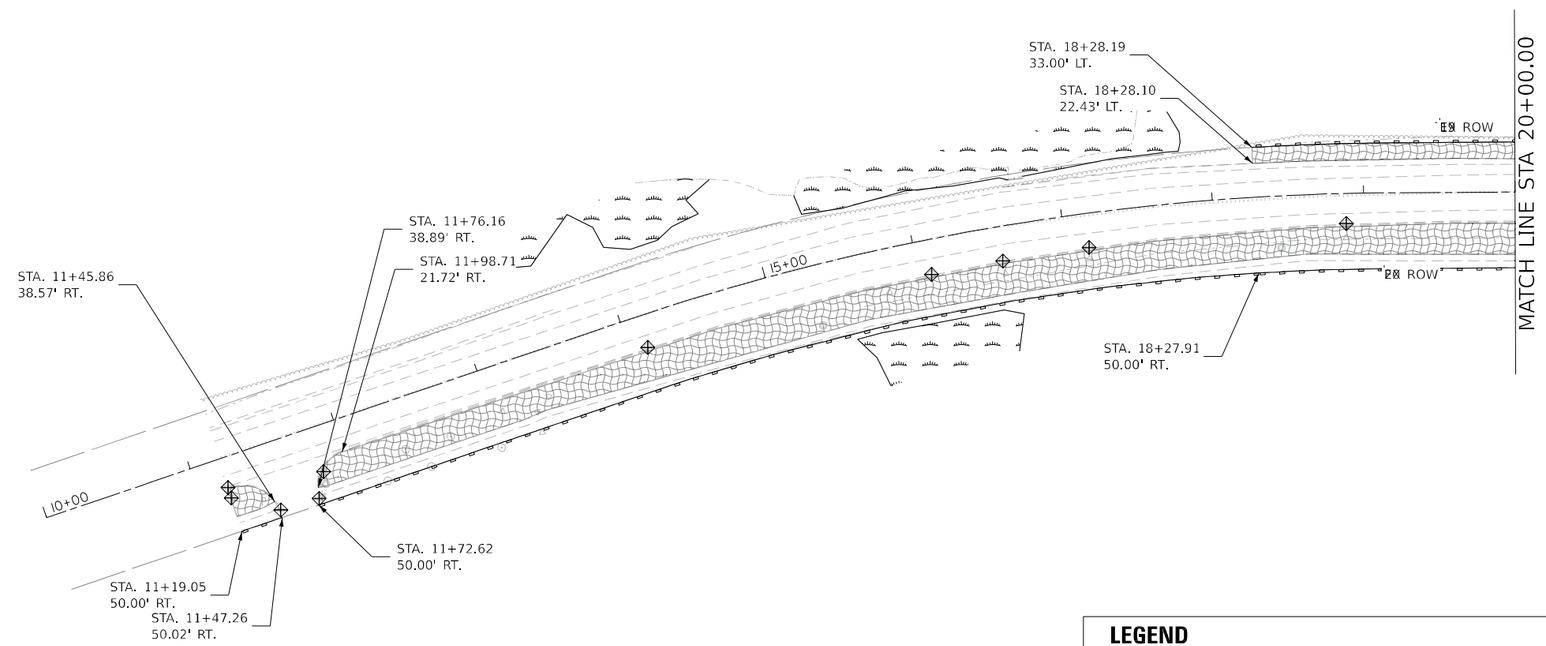
7. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.

8. EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE RESIDENT ENGINEER.

9. "WETLANDS NO INTRUSION" SIGNAGE SHOULD ALSO BE PROVIDED AT THE BOUNDARY OF ALL UN-IMPACTED WETLANDS AND/OR WOUS. INCLUDE TEMPORARY FENCING AND WETLAND SIGNAGE WITHIN THE EROSION AND SEDIMENT CONTROL STRATEGY.

N

0 50 100 150
SCALE IN FEET



LEGEND

- EROSION CONTROL BLANKET (SPECIAL)
- HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
- WETLANDS
- PERIMETER EROSION BARRIER
- INLET FILTERS
- TEMPORARY DITCH CHECKS
- TREE TRUNK PROTECTION

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GSG CONSULTANTS, INC.
735 E. REMINGTON RD, SCHAUMBURG, IL 60173
TEL: +630.994.2600 | WWW.GSG-CONSULTANTS.COM

USER NAME = Sharper	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 3/10/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
F.A.P ROUTE 343 (IL 68) OVER SALT CREEK

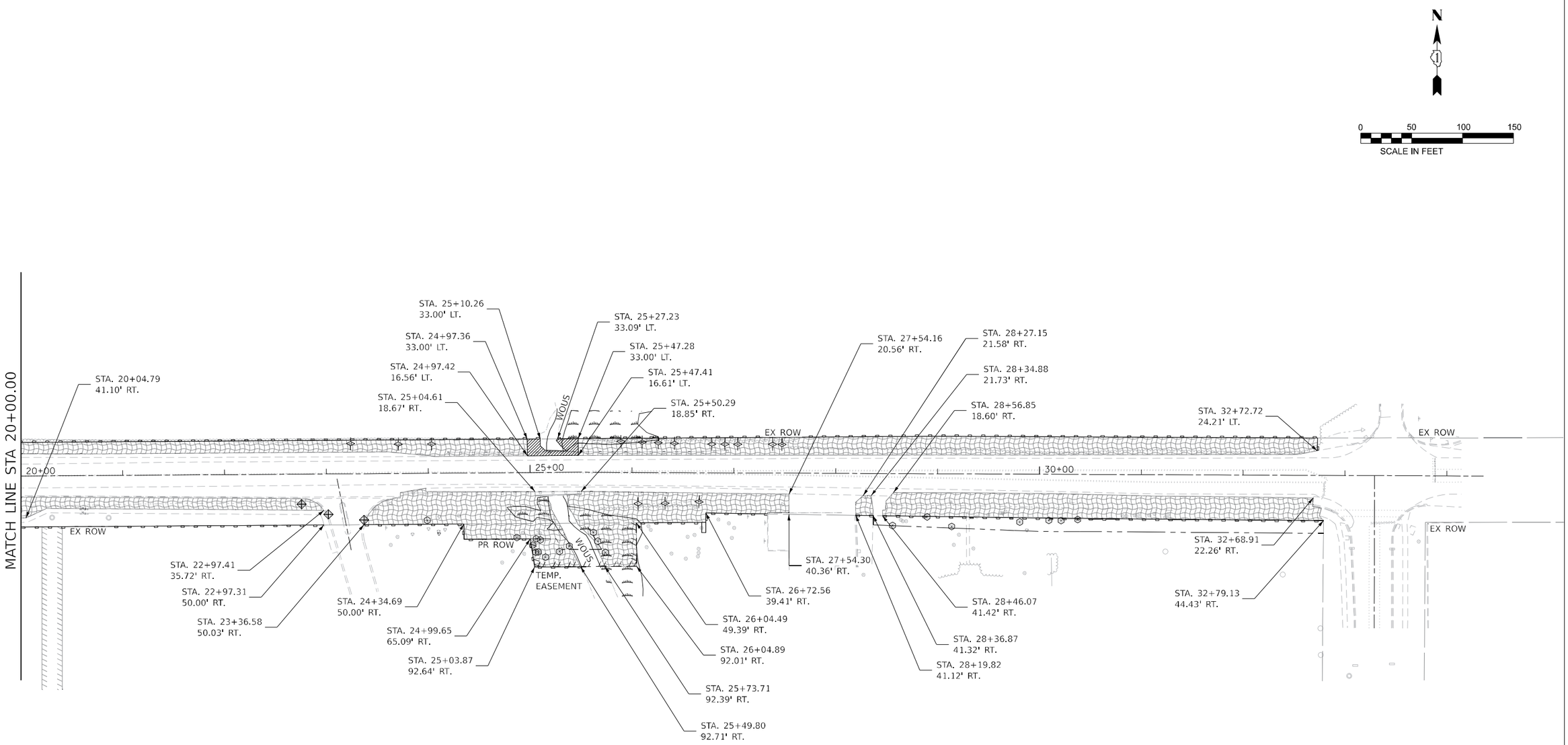
SCALE: 1:50 | SHEET 10 OF 2 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 CULVERT	COOK	65	22

CONTRACT NO. D162R73

ILLINOIS | FED. AID PROJECT

NOTE: SEE EROSION CONTROL PLAN SHEET 1 FOR EROSION CONTROL NOTES



LEGEND

- EROSION CONTROL BLANKET (SPECIAL)
- HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)
- WETLANDS
- PERIMETER EROSION BARRIER
- INLET FILTERS
- TEMPORARY DITCH CHECKS
- TREE TRUNK PROTECTION

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GSG CONSULTANTS, INC.
735 E. REMINGTON RD, SCHAUMBURG, IL 60173
TEL: +1630.994.2600 | WWW.GSG-CONSULTANTS.COM

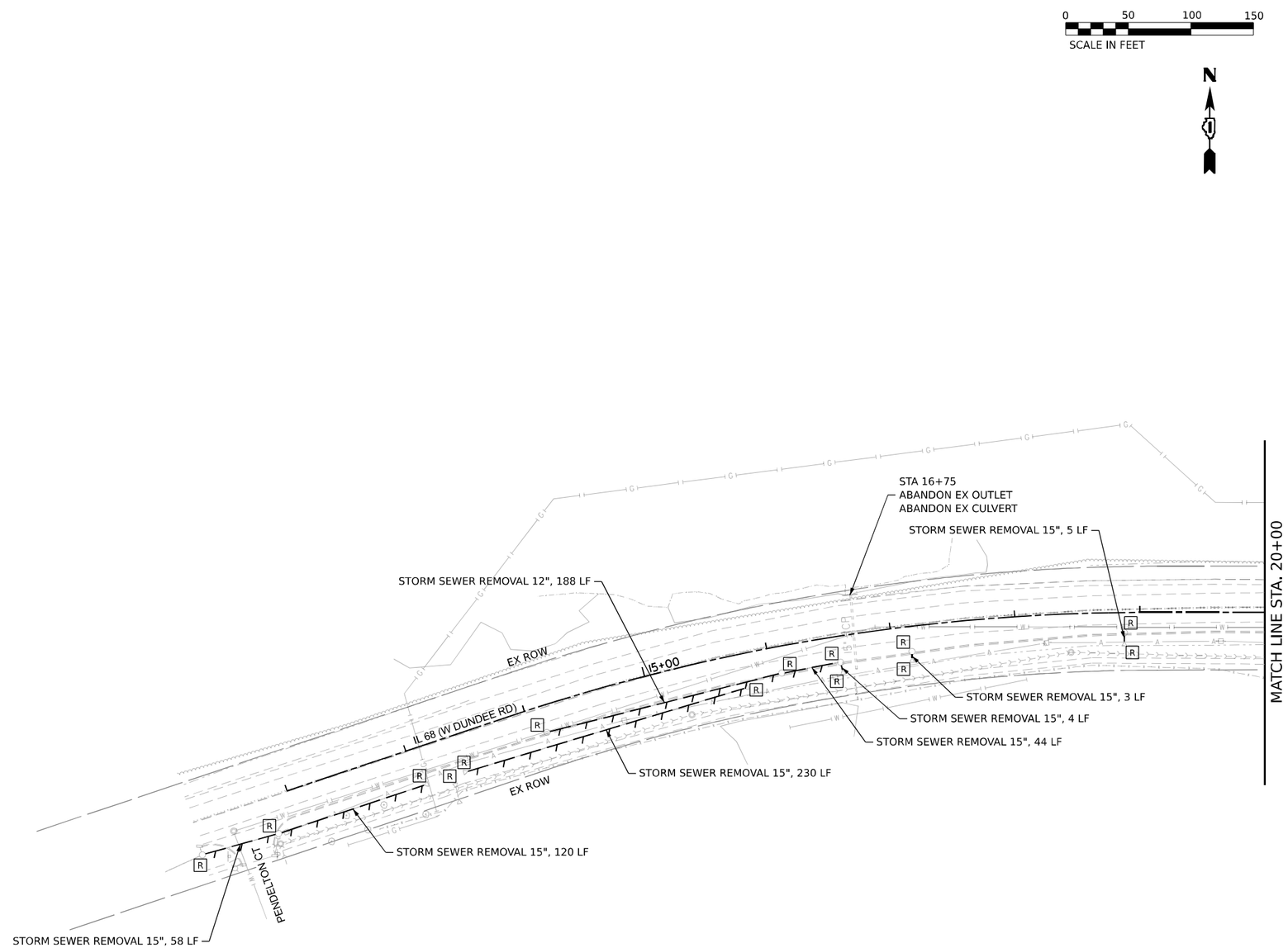
USER NAME = tharper	DESIGNED - TH	REVISED -	
	DRAWN - TH	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 1/9/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
F.A.P ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: 1:50 | SHEET 2 OF 2 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	23
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- EXISTING STORM SEWER
- EXISTING CATCH BASIN
- EXISTING INLET
- EXISTING FLARED END SECTION
- EXISTING MANHOLE
- R — DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER REMOVAL

MODEL: Default
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Peralte-Clark LLC

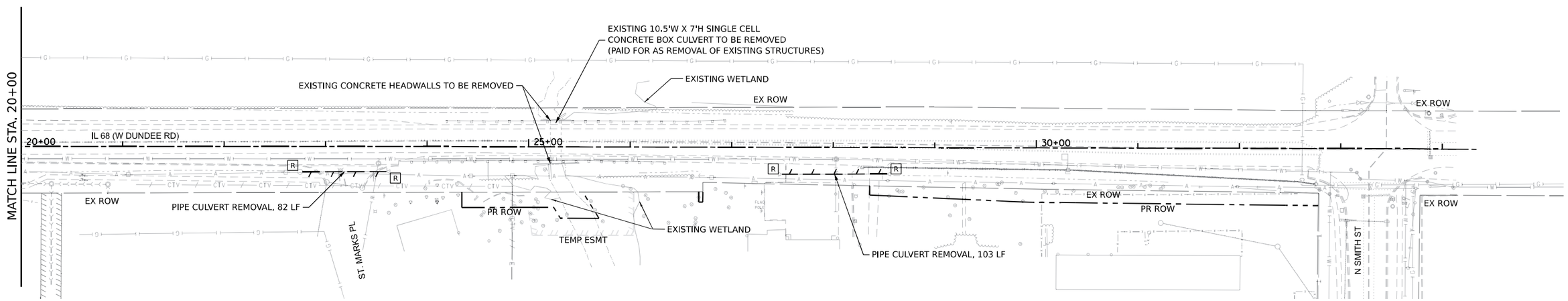
USER NAME = akshar.patel	DESIGNED - MJ	REVISED -	
	DRAWN - MT	REVISED -	
PLOT SCALE = 100.000 ' / in.	CHECKED - AO	REVISED -	
PLOT DATE = 12/11/2022	DATE - 12/09/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE REMOVAL PLAN
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: 1"=50' | SHEET 1 OF 2 SHEETS | STA. 12+00 TO STA. 20+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	24
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- EXISTING STORM SEWER
- EXISTING CATCH BASIN
- EXISTING INLET
- EXISTING FLARED END SECTION
- EXISTING MANHOLE
- R — DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER REMOVAL

MODEL: Default
FILE NAME: Z:\2021-0001 IDOT 199 Item 13 Phase II Various (Orion)\05_Dundee Road Culvert\50_Design\CAD\Sheets\D162R73-sht-drainage removal-02.dgn

Peralte-Clark LLC	USER NAME = akshar.patel	DESIGNED - MJ	REVISED -
		DRAWN - MT	REVISED -
	PLOT SCALE = 100.000 ' / in.	CHECKED - AO	REVISED -
	PLOT DATE = 1/9/2025	DATE - 12/09/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

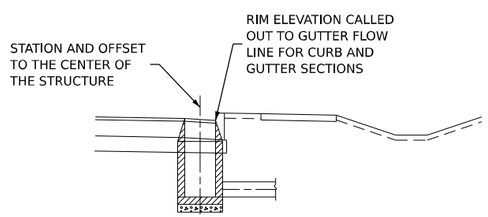
DRAINAGE REMOVAL PLAN
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. 20+00 TO STA. 34+00

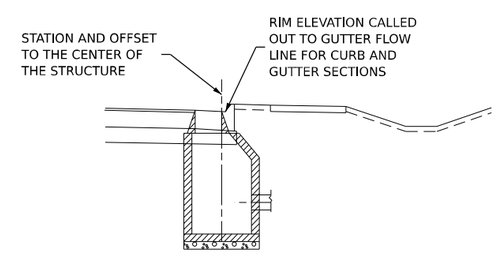
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	25
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	

STRUCT NUMBER	STATION	OFFSET	RIM ELEV.	NORTH INVERT ELEV.	EAST INVERT ELEV.	SOUTH INVERT ELEV.	WEST INVERT ELEV.	STRUCTURE TYPE
S01	11+19.54	26.96' RT	769.47	-	764.94	-	-	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
S02	11+82.76	30.16' RT	769.12	-	764.19	-	764.69	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
S03	13+28.00	21.64' RT	768.22	-	-	764.72	-	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 12 FRAME AND GRATE
S05	13+28.22	29.78' RT	768.00	764.68	763.68	-	763.68	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
S06	14+12.00	22.68' RT	767.53	-	-	764.45	-	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 12 FRAME AND GRATE
S07	14+11.89	32.42' RT	767.50	764.39	763.39	-	763.39	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID
S08	16+00.00	21.90' RT	766.40	-	-	-	764.33	INLETS, TYPE A, TYPE 12 FRAME AND GRATE
S09	15+30.00	22.69' RT	767.00	-	764.03	764.03	-	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 12 FRAME AND GRATE
S10	15+29.88	30.11' RT	767.00	763.99	762.49	-	762.99	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID
S11	16+49.00	21.34' RT	766.48	-	763.63	-	-	INLETS, TYPE A, TYPE 12 FRAME AND GRATE
S12	16+65.00	21.03' RT	766.48	-	-	-	763.63	INLETS, TYPE A, TYPE 12 FRAME AND GRATE
S13	16+57.00	21.84' RT	766.46	-	763.59	763.59	763.59	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 12 FRAME AND GRATE
S14	16+66.10	33.18' RT	766.15	-	763.59	-	-	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID
S15	16+57.04	29.30' RT	766.53	763.55	762.05	763.55	762.05	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID
S16	17+87.00	19.26' RT	766.96	-	-	-	763.82	INLETS, TYPE A, TYPE 12 FRAME AND GRATE
S17	17+15.00	21.54' RT	766.58	-	763.51	763.51	-	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 12 FRAME AND GRATE
S18	17+15.23	29.71' RT	766.35	763.46	761.96	-	761.96	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID
S19	18+43.51	23.76' RT	766.50	-	761.77	-	761.77	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID
S20	19+37.00	18.68' RT	768.19	-	-	-	763.46	INLETS, TYPE A, TYPE 12 FRAME AND GRATE
S21	18+87.00	19.44' RT	767.50	-	763.24	763.24	-	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 12 FRAME AND GRATE
S22	18+87.39	24.89' RT	766.90	763.21	761.21	-	761.71	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID
S23	20+87.67	24.92' RT	770.10	-	761.01	-	761.01	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID
S24	22+81.85	22.73' RT	768.36	-	-	762.85	-	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 12 FRAME AND GRATE
S25	22+74.85	24.86' RT	768.84	762.82	760.82	-	760.82	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID
S26	25+02.00	18.06' RT	767.80	-	-	-	763.27	INLETS, TYPE A, TYPE 24 FRAME AND GRATE
S27	24+94.00	19.10' RT	767.80	-	763.23	-	763.23	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
S28	24+86.00	19.13' RT	767.80	-	763.19	-	762.94	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
S29	23+72.19	22.70' RT	769.00	-	762.56	762.56	-	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
S30	23+57.94	39.68' RT	768.83	762.49	760.74	-	760.74	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID
S31	24+48.29	40.48' RT	-	-	-	-	760.65	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"
S32	28+50.00	18.57' RT	772.65	-	-	768.68	-	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
S33	28+59.03	34.79' RT	771.98	768.68	-	-	-	CATCH BASINS, TYPE D, 3'-DIAMETER, TYPE 1 FRAME, OPEN LID
S34	28+50.00	27.44' RT	772.75	768.63	-	768.63	768.38	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
S35	27+50.00	18.46' RT	770.76	-	-	768.17	-	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
S36	27+50.09	26.92' RT	770.99	768.13	767.88	-	767.88	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
S37	26+50.00	18.59' RT	769.25	-	-	767.68	-	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
S38	26+50.09	27.06' RT	769.53	767.38	767.38	-	767.38	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID
S39	26+27.48	38.55' RT	-	-	767.24	-	-	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"
S40	32+56.39	28.96' RT	773.00	-	-	769.06	-	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE
S41	32+56.40	44.29' RT	-	769.00	-	-	-	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"

PIPE NUMBER	FROM STRUCTURE	TO STRUCTURE	LENGTH (LF)	PIPE SLOPE (FT/FT)	STRUCTURE TYPE	WMQP
P01	S01	S02	63	0.0040	STORM SEWERS, CLASS A, TYPE 1 18"	X
P02	S02	S05	145	0.0035	STORM SEWERS, CLASS A, TYPE 1 24"	
P03	S03	S05	10	0.0045	STORM SEWERS, CLASS A, TYPE 1 12"	
P05	S05	S07	83	0.0035	STORM SEWERS, CLASS A, TYPE 1 24"	
P06	S06	S07	12	0.0054	STORM SEWERS, CLASS A, TYPE 1 12"	
P07	S07	S10	116	0.0035	STORM SEWERS, CLASS A, TYPE 1 24"	
P08	S08	S09	70	0.0044	STORM SEWERS, CLASS A, TYPE 1 12"	
P09	S09	S10	10	0.0046	STORM SEWERS, CLASS A, TYPE 1 12"	
P10	S10	S15	125	0.0035	STORM SEWERS, CLASS A, TYPE 1 30"	
P11	S11	S13	9	0.0052	STORM SEWERS, CLASS A, TYPE 1 12"	
P12	S12	S13	9	0.0050	STORM SEWERS, CLASS A, TYPE 1 12"	
P13	S13	S15	10	0.0047	STORM SEWERS, CLASS A, TYPE 1 12"	
P14	S14	S15	11	0.0059	STORM SEWERS, CLASS A, TYPE 1 12"	
P15	S15	S18	57	0.0016	STORM SEWERS, CLASS A, TYPE 1 30"	
P16	S16	S17	72	0.0044	STORM SEWERS, CLASS A, TYPE 1 12"	
P17	S17	S18	11	0.0051	STORM SEWERS, CLASS A, TYPE 1 12"	
P18	S18	S19	126	0.0015	STORM SEWERS, CLASS A, TYPE 1 30"	
P19	S19	S22	43	0.0014	STORM SEWERS, CLASS A, TYPE 1 30"	
P20	S20	S21	51	0.0045	STORM SEWERS, CLASS A, TYPE 2 12"	
P21	S21	S22	7	0.0049	STORM SEWERS, CLASS A, TYPE 1 12"	
P22	S22	S23	200	0.0010	STORM SEWERS, CLASS A, TYPE 1 36"	
P23	S23	S25	187	0.0010	STORM SEWERS, CLASS A, TYPE 2 36"	
P24	S24	S25	8	0.0036	STORM SEWERS, CLASS A, TYPE 2 12"	
P25	S25	S30	84	0.0009	STORM SEWERS, CLASS A, TYPE 2 36"	X
P26	S26	S27	9	0.0047	STORM SEWERS, CLASS A, TYPE 2 12"	
P27	S27	S28	10	0.0051	STORM SEWERS, CLASS A, TYPE 2 12"	
P28	S28	S29	115	0.0033	STORM SEWERS, CLASS A, TYPE 2 15"	
P29	S29	S30	22	0.0032	STORM SEWERS, CLASS A, TYPE 2 15"	
P30	S30	S31	92	0.0010	STORM SEWERS, CLASS B, TYPE 1 36"	
P32	S32	S34	11	0.0050	STORM SEWERS, CLASS A, TYPE 2 12"	
P33	S33	S34	13	0.0054	STORM SEWERS, CLASS A, TYPE 2 12"	
P34	S34	S36	100	0.0050	STORM SEWERS, CLASS A, TYPE 1 15"	X
P35	S35	S36	11	0.0045	STORM SEWERS, CLASS A, TYPE 1 12"	
P36	S36	S38	100	0.0050	STORM SEWERS, CLASS A, TYPE 1 15"	
P37	S37	S38	11	0.0052	STORM SEWERS, CLASS A, TYPE 1 12"	
P38	S38	S39	26	0.0055	STORM SEWERS, CLASS A, TYPE 1 15"	
P40	S40	S41	13	0.0045	STORM SEWERS, CLASS A, TYPE 1 12"	X



ELEVATION
INLET WITH CURB AND GUTTER



ELEVATION
CATCH BASIN WITH CURB AND GUTTER
(CONE AND FLAT SLAB TOP SECTIONS)

MODEL: Default
FILE NAME: 22-2001 IDOT 199 Item 13 Phase II Various (Orion)\05_Dundee Road Culvert\50_Design\CAD\Sheets\D162R73-sht-drainage-schedule.dgn

Peralte-Clark LLC

USER NAME = akshar.patel	DESIGNED - MJ	REVISED -	
	DRAWN - MT	REVISED -	
PLOT SCALE = 100.000 ' / in.	CHECKED - AO	REVISED -	
PLOT DATE = 12/11/2024	DATE - 12/09/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

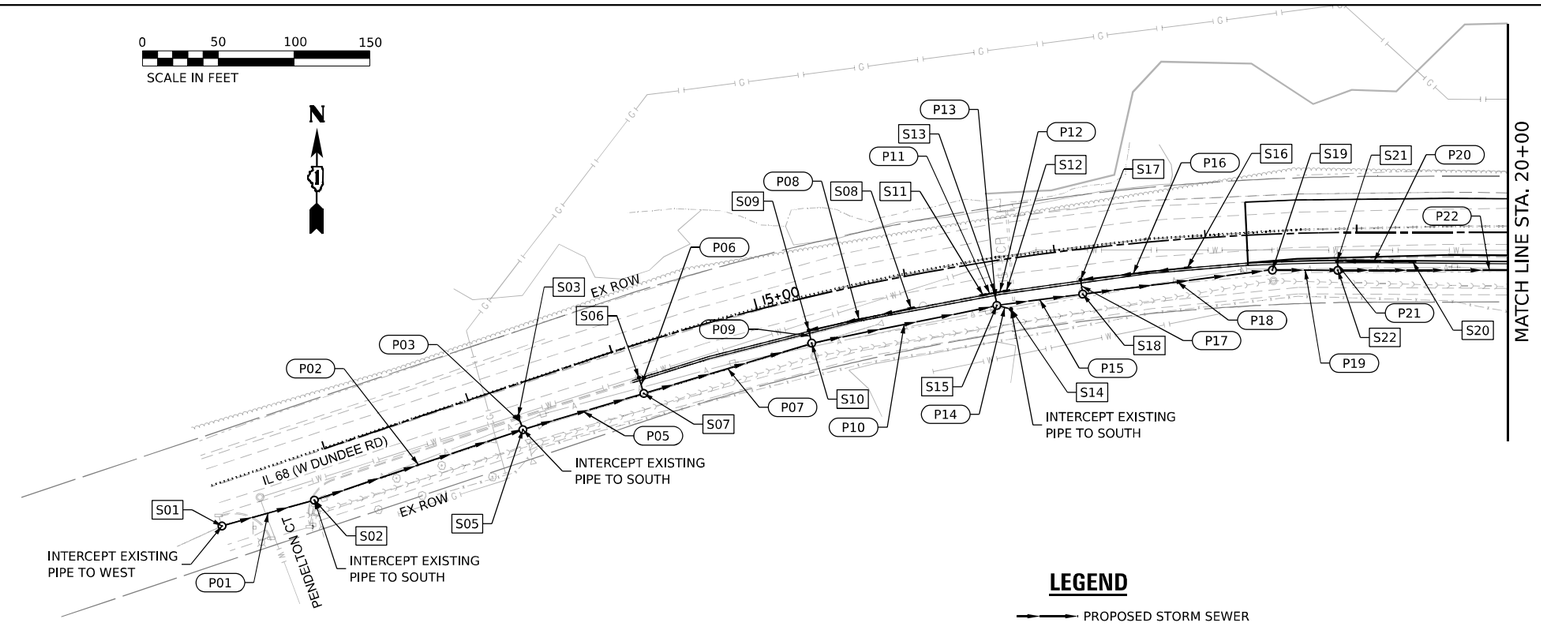
DRAINAGE SCHEDULE
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	26

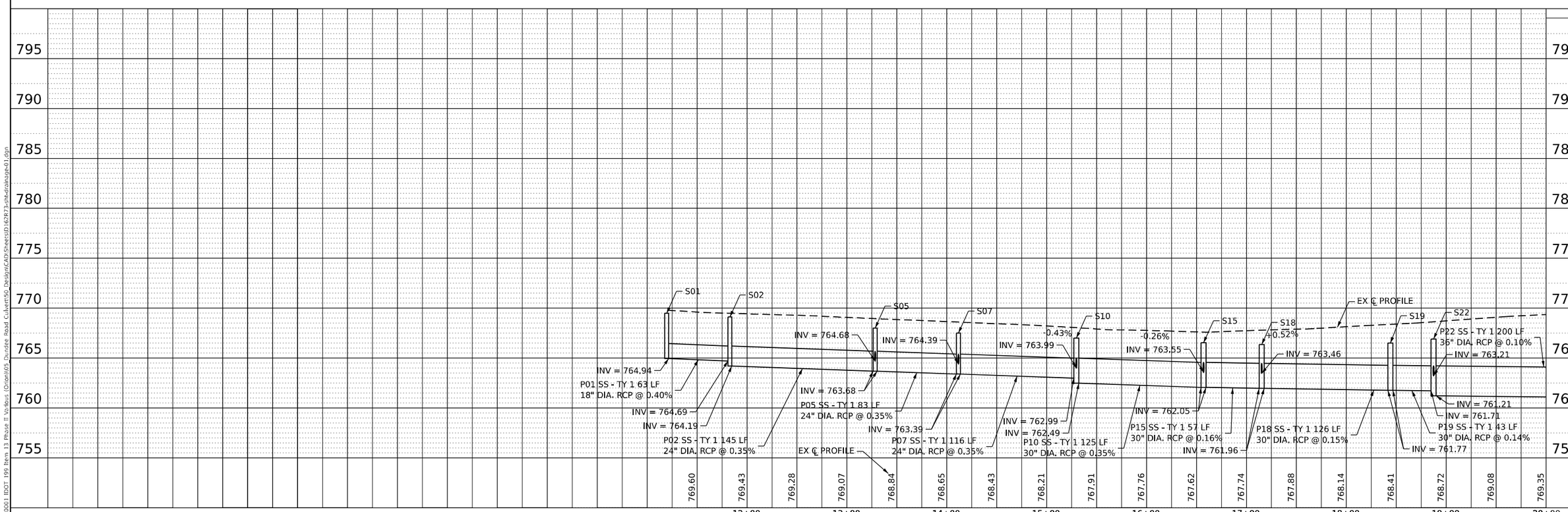
CONTRACT NO. 62R73

ILLINOIS | FED. AID PROJECT



LEGEND

- PROPOSED STORM SEWER
- PROPOSED CATCH BASIN
- PROPOSED INLET
- PROPOSED FLARED END SECTION
- PROPOSED MANHOLE



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Peralte-Clark LLC

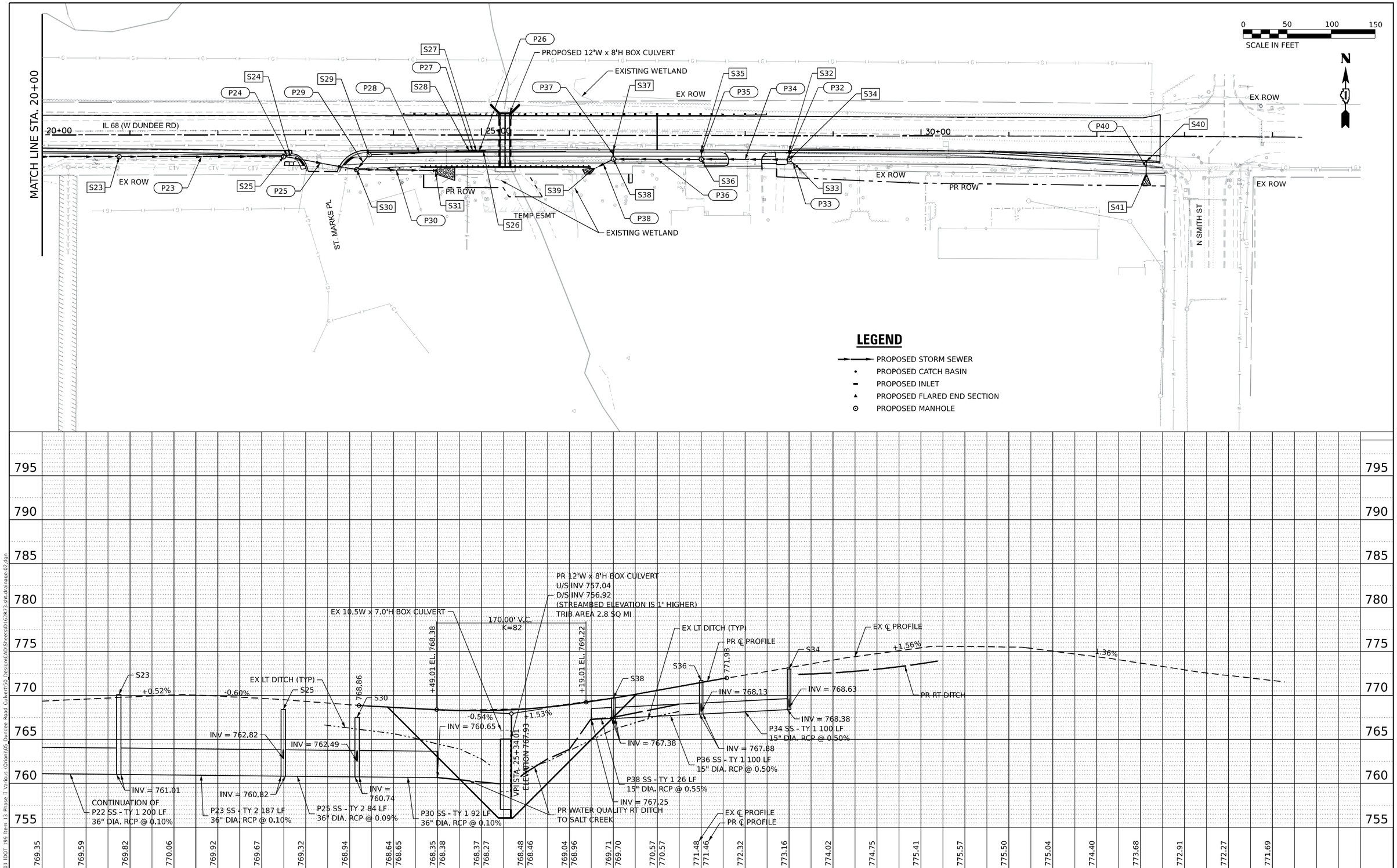
USER NAME = akshar.patel	DESIGNED - MJ	REVISED -	
	DRAWN - MT	REVISED -	
PLOT SCALE = 100.000 ' / in.	CHECKED - AO	REVISED -	
PLOT DATE = 12/11/2024	DATE - 12/09/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PLAN
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: 1"=50' | SHEET 1 OF 2 SHEETS | STA. 12+00 TO STA. 20+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	27
		CONTRACT NO. 62R73		
		ILLINOIS FED. AID PROJECT		



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Peralte-Clark LLC

USER NAME = akshar.patel	DESIGNED - MJ	REVISED -	
	DRAWN - MT	REVISED -	
PLOT SCALE = 100.000 ' / in.	CHECKED - AO	REVISED -	
PLOT DATE = 1/9/2025	DATE - 12/09/2022	REVISED -	

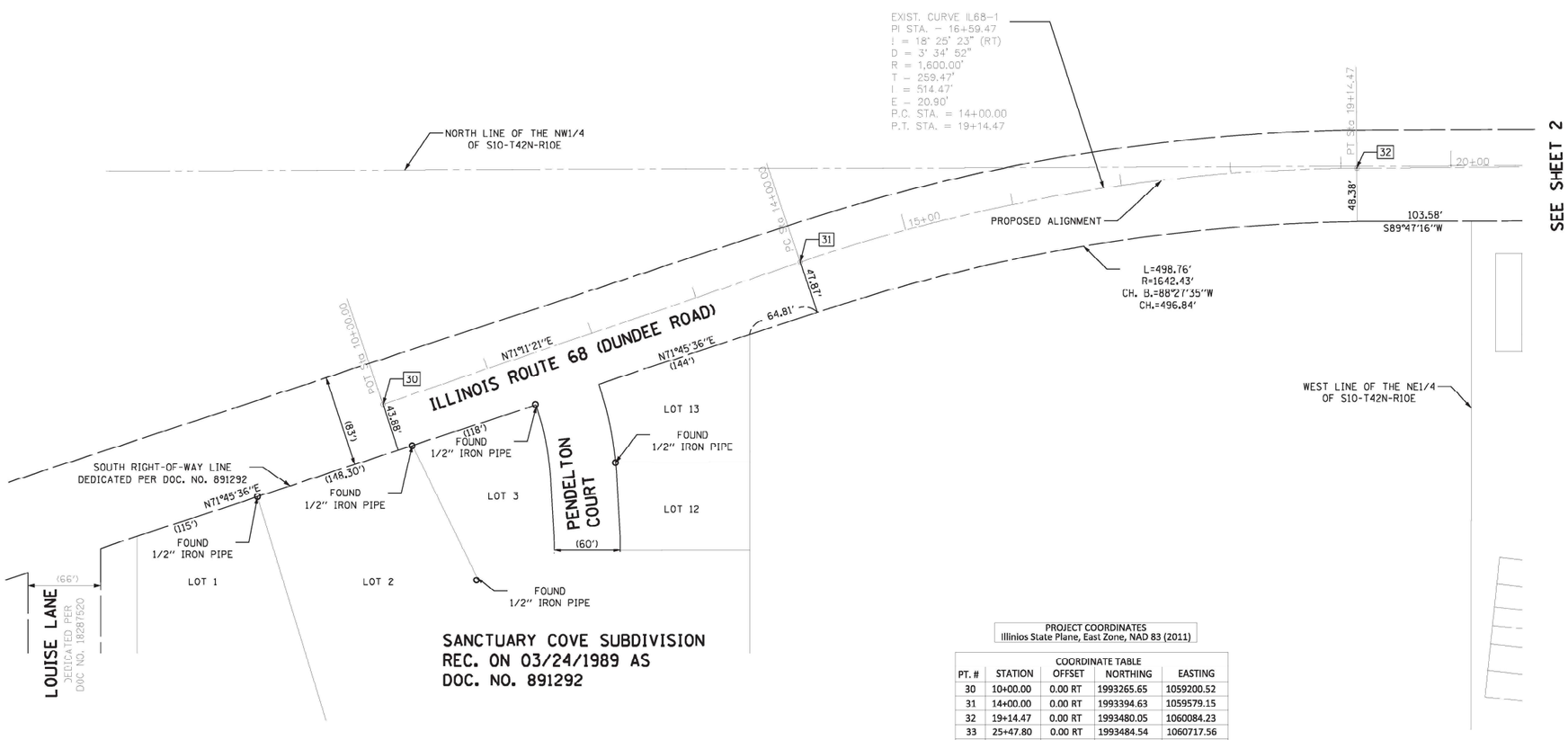
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PLAN
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: 1"=50' | SHEET 2 OF 2 SHEETS | STA. 20+00 TO STA. 34+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	28
		CONTRACT NO. 62R73		
	ILLINOIS	FED. AID PROJECT		

PART OF THE NW1/4 OF SECTION 10, TWP. 42 N., R. 10 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



PROJECT COORDINATES
Illinios State Plane, East Zone, NAD 83 (2011)

COORDINATE TABLE

PT. #	STATION	OFFSET	NORTHING	EASTING
30	10+00.00	0.00 RT	1993265.65	1059200.52
31	14+00.00	0.00 RT	1993394.63	1059579.15
32	19+14.47	0.00 RT	1993480.05	1060084.23
33	25+47.80	0.00 RT	1993484.54	1060717.56
34	34+36.16	0.00 RT	1993480.59	1061605.90

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

N

GRAPHIC SCALE FEET
0 60'
SCALE: 1"= 60'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM,NAD83 (2011 ADJUSTMENT),EAST ZONE.

- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99998221.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON JUNE 29, 2021.

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, DB STERLIN CONSULTANTS, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184.001909, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 42 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLYREPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 16TH DAY OF AUGUST, 2021 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3134
LICENSE EXPIRATION DATE: NOV. 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

THOMAS J. CALBRATH 35-03134 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS Renewable 11-30-22 CHICAGO

DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1006 FAX. (312)857-1056

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 68

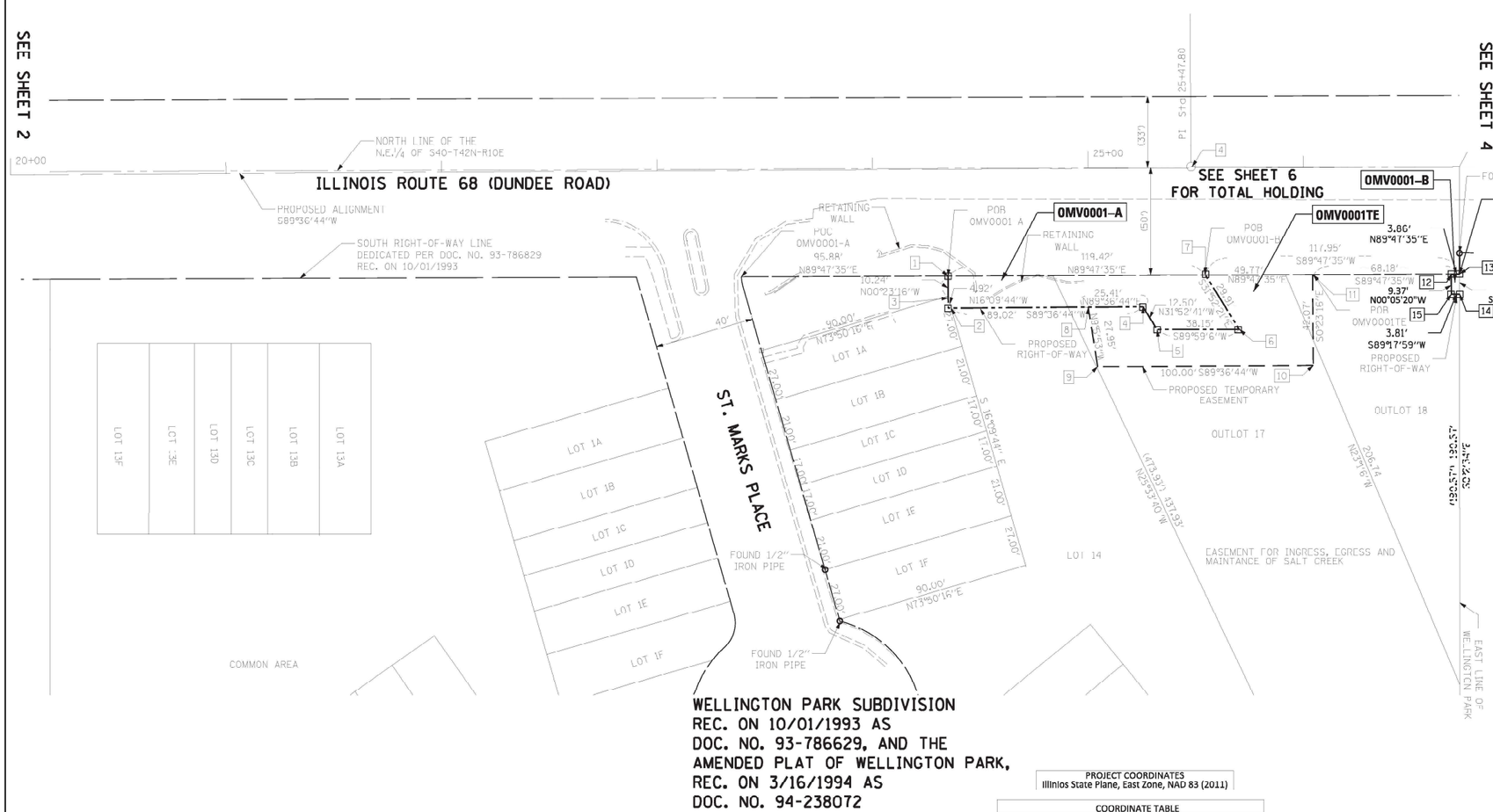
LIMITS: PENDELTON CT. TO SMITH RD. COUNTY: COOK
SECTION: JOB NO.: R-90-005-17
STA. 20+00 TO STA. 26+72.65
SCALE: 1"=60' SHEET 2 OF 6 SHEETS

IDOT USE ONLY

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: __/__/___ REVISION MADE BY: _____

PART OF THE NE1/4 OF SECTION 10, TWP. 42 N., R. 10 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



WELLINGTON PARK SUBDIVISION
REC. ON 10/01/1993 AS
DOC. NO. 93-786629, AND THE
AMENDED PLAT OF WELLINGTON PARK,
REC. ON 3/16/1994 AS
DOC. NO. 94-238072

LEGEND

SECTION CORNER

QUARTER SECTION CORNER

N

GRAPHIC SCALE FEET

SCALE: 1"= 30'

- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
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- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- ○ 5 / 8" REBAR SET
- □ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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- ⊕ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 667101.02 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
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5. FIELD SURVEY COMPLETED ON JUNE 29, 2021.

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

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DATED AT CHICAGO, ILLINOIS THIS 16TH DAY OF AUGUST, 2021 A.D.

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LICENSE EXPIRATION DATE: NOV. 30, 2022

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THOMAS J. CALBRATH
35-03134
PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
Renewable 11-30-22
CHICAGO

PROJECT COORDINATES
Illinios State Plane, East Zone, NAD 83 (2011)

COORDINATE TABLE

PT. #	STATION	OFFSET	NORTHING	EASTING
1	24+34.69	50.03 RT	1993433.54	1060604.78
2	24+36.03	65.03 RT	1993418.55	1060606.23
3	24+34.69	60.26 RT	1993423.31	1060604.85
4	25+25.05	65.03 RT	1993419.15	1060695.24
5	25+31.58	75.69 RT	1993408.53	1060701.84
6	25+70.56	75.7 RT	1993408.54	1060739.99
7	25+54.64	50.33 RT	1993433.97	1060724.18
8	24+99.65	65.12 RT	1993418.89	1060669.84
9	25+03.87	92.67 RT	1993391.37	1060674.25
10	26+04.89	92.05 RT	1993392.05	1060774.25
11	26+04.42	49.94 RT	1993434.15	1060773.97
12	26+68.75	49.44 RT	1993434.39	1060838.29
13	26+72.61	49.41 RT	1993434.40	1060842.15
14	26+72.65	58.77 RT	1993425.04	1060842.16
15	26+68.84	58.84 RT	1993424.99	1060838.35

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	PARCEL INDEX NUMBER
0MV0001-A 0MV0001-B 0MV0001TE	3.112	A= 0.051 B= 0.001 36 SQ. FT.	N/A	3.060	0.066	N/A N/A N/A	02-10-228-079 02-10-228-082 02-10-228-083

DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1006 FAX. (312)857-1056

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 68

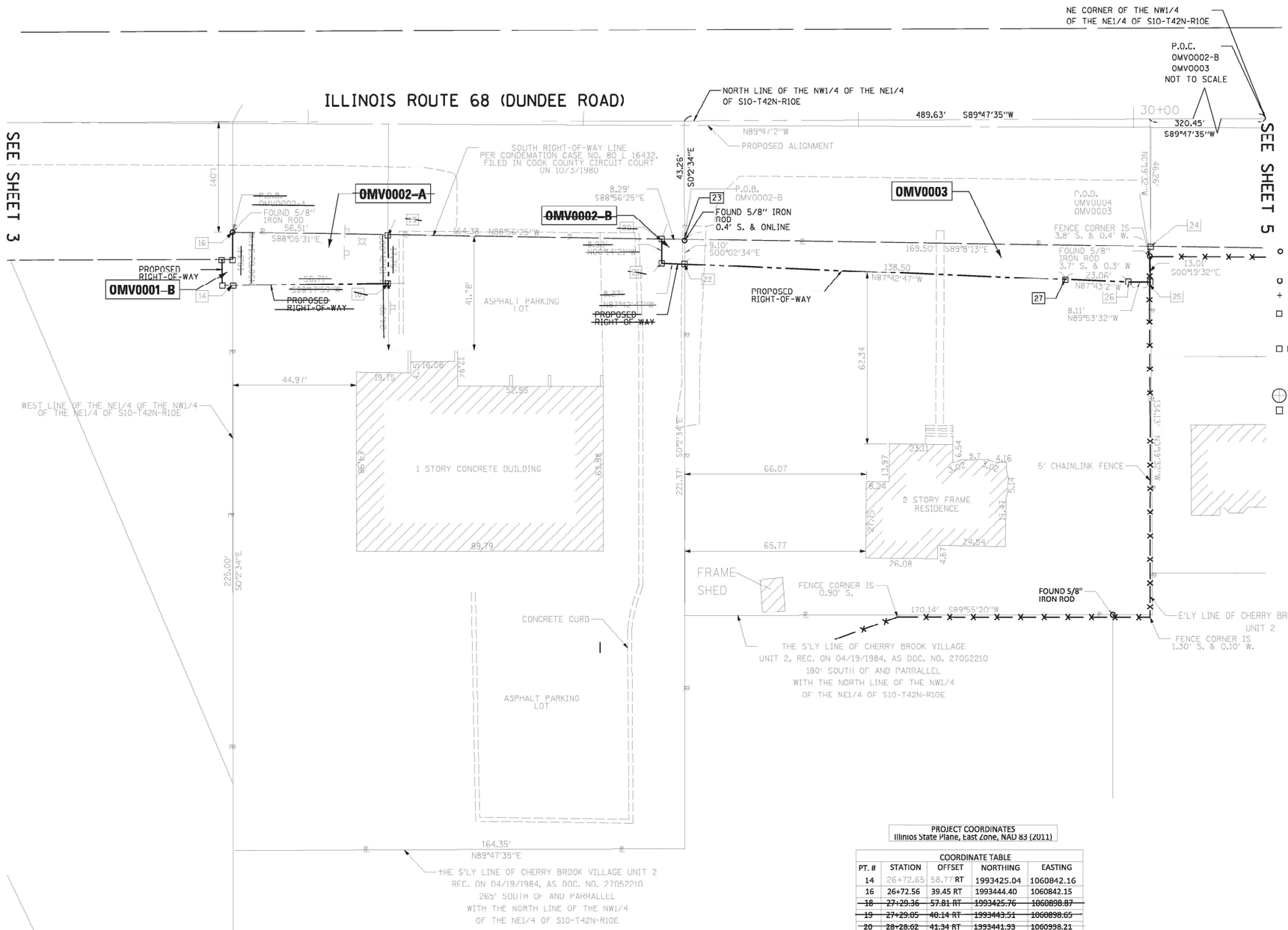
LIMITS: PENDELTON CT. TO SMITH RD. COUNTY: COOK
SECTION: JOB NO.: R-90-005-17
STA. 20+00 TO STA. 26+72.65
SCALE: 1"=30' SHEET 3 OF 6 SHEETS

IDOT USE ONLY

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: __/__/___ REVISION MADE BY: _____

PART OF THE NE1/4 OF SECTION 10, TWP. 42 N., R. 10 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
~~OMV0002-A~~ ~~OMV0002-B~~	~~0.843~~	~~A= 0.024~~ ~~B= 0.002~~ ~~TS 30. FT.~~	N/A	~~0.817~~	N/A N/A	N/A N/A	~~02-10-200-007~~
OMV0003	0.528	0.044	N/A	0.484	N/A	N/A	02-10-200-009

PROJECT COORDINATES
Illinios State Plane, East Zone, NAD 83 (2011)

COORDINATE TABLE

PT. #	STATION	OFFSET	NORTHING	EASTING
14	26+72.65	58.77' RT	1993425.04	1060842.16
16	26+72.56	39.45 RT	1993444.40	1060842.15
~~18~~	~~27+29.36~~	~~57.81 RT~~	~~1993425.76~~	~~1060898.87~~
~~19~~	~~27+29.05~~	~~40.14 RT~~	~~1993443.51~~	~~1060898.65~~
~~20~~	~~28+28.62~~	~~41.34 RT~~	~~1993441.93~~	~~1060998.21~~
~~21~~	~~28+28.71~~	~~50.12 RT~~	~~1993433.03~~	~~1060998.25~~
22	28+36.98	50.41 RT	1993432.70	1061006.51
23	28+36.91	41.44 RT	1993441.80	1061006.51
24	30+06.40	43.36 RT	1993439.25	1061176.01
25	30+06.52	56.37 RT	1993426.24	1061176.06
26	29+98.78	56.18 RT	1993426.26	1061168.29
27	29+75.38	55.36 RT	1993427.18	1061144.90

REVISION DATE: __/__/___ REVISION MADE BY: _____

LEGEND

SECTION CORNER
QUARTER SECTION CORNER

SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY (DEED) LINE
APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
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EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
129.32' MEASURED DIMENSION
129.32' (COMP) COMPUTED DIMENSION
(129.32') RECORDED DIMENSION
EXISTING BUILDING

N

GRAPHIC SCALE FEET
SCALE: 1"= 20'

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET
'MAG' NAIL SET
5 / 8" REBAR SET

STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

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STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

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DATED AT CHICAGO, ILLINOIS THIS 16TH DAY OF AUGUST, 2021 A.D.

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THOMAS J. GALBREATH 35-03134 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS Renewable 11-30-22 CHICAGO

DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1006 FAX. (312)857-1056

PLAT OF HIGHWAYS

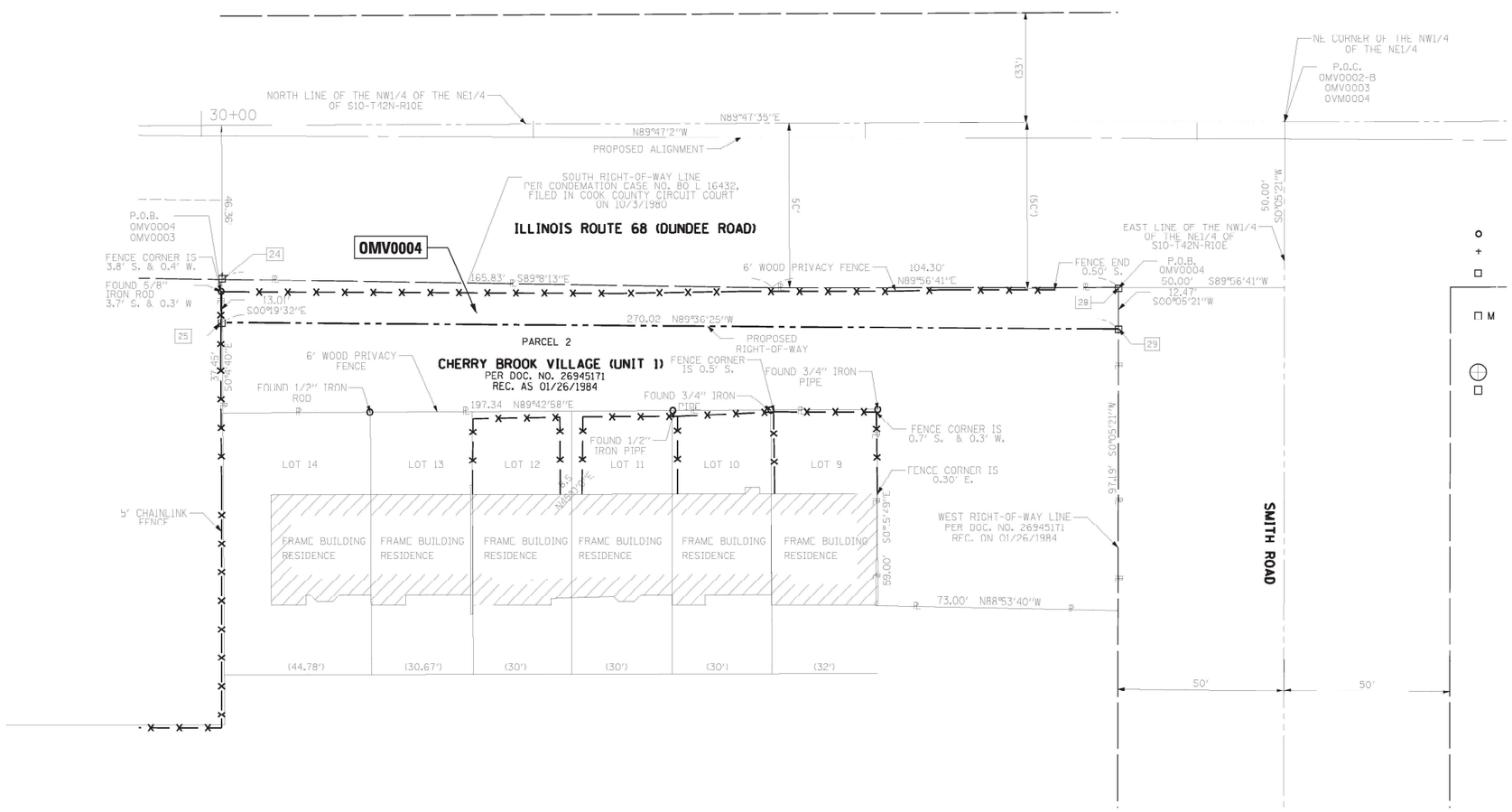
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 68

IDOT USE ONLY

LIMITS: PENDELTON CT. TO SMITH RD. COUNTY: COOK
SECTION: JOB NO.: R-90-005-17
STA. 26+50 TO STA. 30+00
SCALE: 1"=20' SHEET 4 OF 6 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE NE1/4 OF SECTION 10, TWP. 42 N., R. 10 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

N

GRAPHIC SCALE FEET

SCALE: 1"= 20'

	SECTION / QUARTER SECTION LINE
	PLATTED LOT LINES
P	PROPERTY (DEED) LINE
APL	APPARENT PROPERTY LINE
	EXISTING CENTERLINE
	PROPOSED CENTERLINE
	EXISTING RIGHT OF WAY LINE
	PROPOSED RIGHT OF WAY LINE
	EXISTING EASEMENT
	PROPOSED EASEMENT
	EXISTING ACCESS CONTROL LINE
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129.32' (COMP)	COMPUTED DIMENSION
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+ CUT CROSS FOUND OR SET ○ 5 / 8" REBAR SET

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THOMAS J. GALBRAITH 35-03134 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS Renewable 11-30-22 CHICAGO

DBS

DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1006 FAX. (312)857-1056

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
OMV0004	0.338	0.076	N/A	0.262	N/A	N/A	02-10-209-015

PROJECT COORDINATES
Illinios State Plane, East Zone, NAD 83 (2011)

COORDINATE TABLE

PT. #	STATION	OFFSET	NORTHING	EASTING
24	33+06.40	43.36 RT	1993439.25	1061176.01
25	33+06.52	56.37 RT	1993426.24	1061176.06
28	32+76.51	44.74 RT	1993436.85	1061446.09
29	32+76.54	57.20 RT	1993424.39	1061446.07

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 68

LIMITS: PENDELTON CT. TO SMITH RD. COUNTY: COOK
SECTION: JOB NO.: R-90-005-17
STA. 30+00 TO STA. 33+00
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IDOT USE ONLY

BUREAU OF LAND ACQUISITION
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SCHAUMBURG, ILLINOIS 60196

REVISION DATE: __/__/___ REVISION MADE BY: _____

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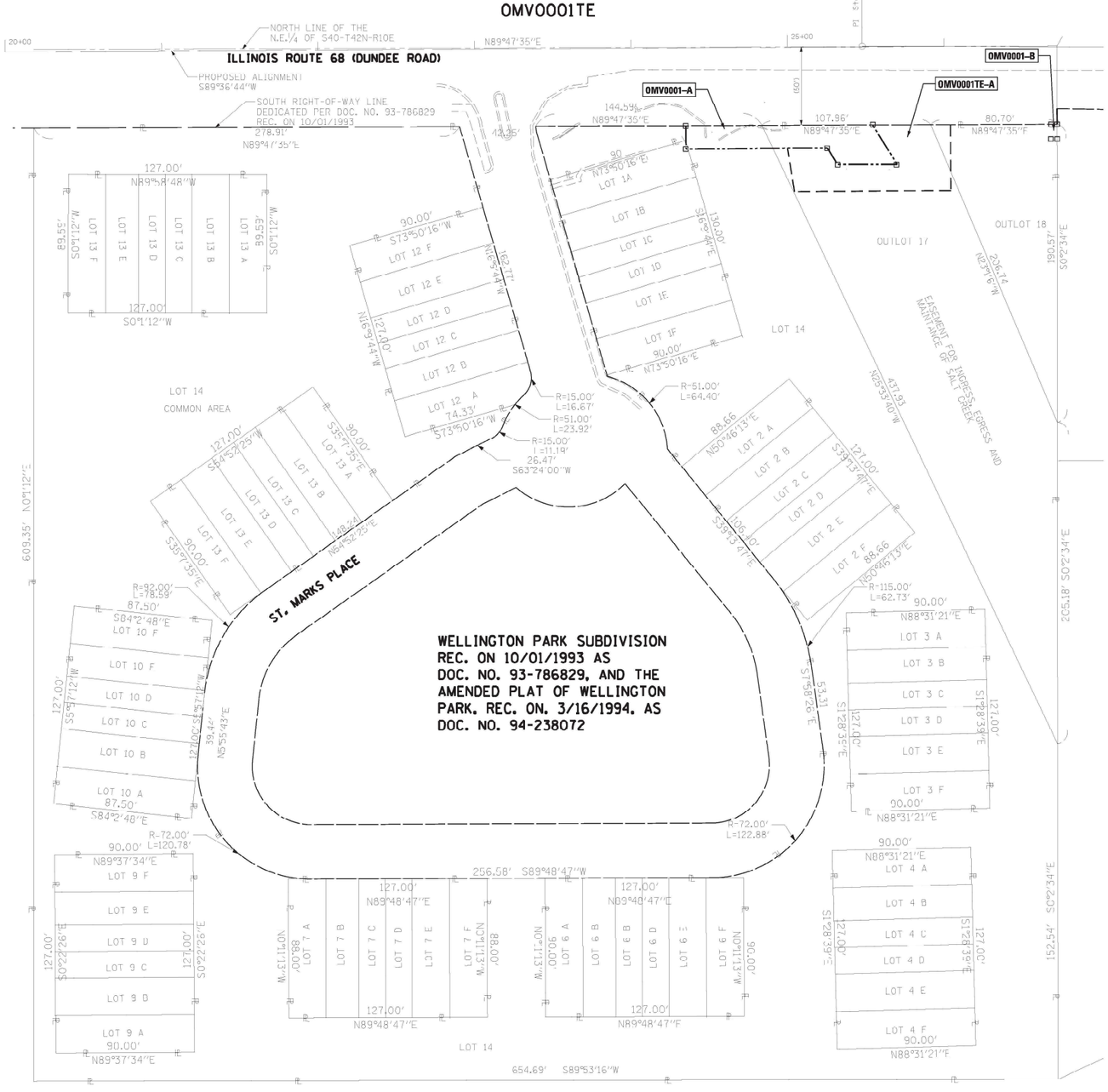
TOTAL HOLDING
OMV0001-A
OMV0001-B
OMV0001TE



LEGEND

SECTION CORNER

QUARTER SECTION CORNER

N

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SCALE: 1"= 30'

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	PROPOSED RIGHT OF WAY LINE
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- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
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SURVEY NOTES:
1. ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.
2. BEARING, DISTANCES, AND COORDINATES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID".
3. ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99998221.
4. AREAS SHOWN ON THIS PLAT ARE "GROUND".
5. FIELD SURVEY COMPLETED ON JUNE 29, 2021.

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT WE, DB STERLIN CONSULTANTS, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001909, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 10, TOWNSHIP 42 NORTH, RANGE 10 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLYREPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 16TH DAY OF AUGUST, 2021 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3134
LICENSE EXPIRATION DATE: NOV. 30, 2022

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

THOMAS J. GALBRAITH 35-3134 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS Renewable 11-30-22 CHICAGO

DB STERLIN CONSULTANTS, INC.
123 N. WACKER DRIVE SUITE 2000
CHICAGO, ILLINOIS 60606
TEL. (312)857-1006 FAX. (312)857-1056

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 68

IDOT USE ONLY

LIMITS: PENDELTON CT. TO SMITH RD. COUNTY: COOK
SECTION: JOB NO.: R-90-005-17
STA. N/A TO STA. N/A
SCALE: 1"=30' SHEET 6 OF 6 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

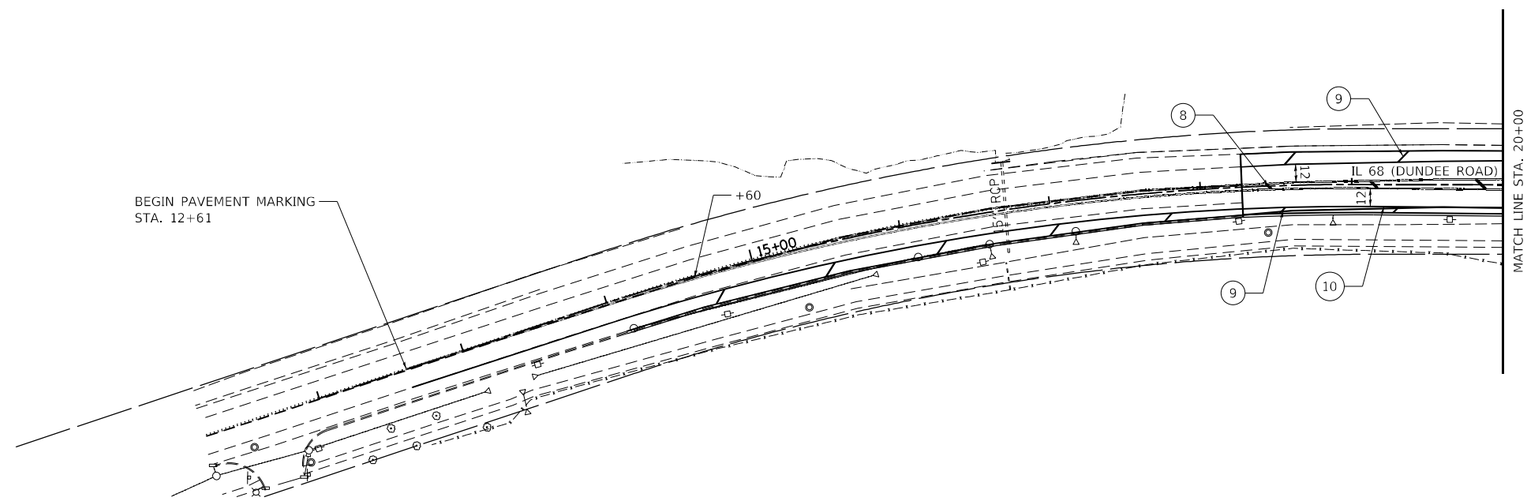
REVISION DATE: __/__/____ REVISION MADE BY: _____

NOTES

THE RESIDENT ENGINEER SHALL CONTACT MR. FADI SULTAN, AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

N

0 50 100 150
SCALE IN FEET



LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW @ 11" C-C - MEDIAN PAVEMENT MARKING
2. THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE SOLID - STOP BAR
3. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE SOLID LINE - @ 3' CTS CROSSWALK MARKING
4. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE SOLID LINE - CROSSWALK MARKING
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE SOLID LINE
6. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
7. THERMOPLASTIC PAVEMENT MARKING - LINE 6" - SKIP 6' DASH 2' WHITE
8. THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW SOLID LINE - AT 75' CTS. MEDIAN DIAGONAL MARKING
9. THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE SOLID LINE - AT 75' CTS. SHOULDER DIAGONAL MARKING
10. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SOLID LINE

◆ RAISED REFLECTIVE PAVEMENT MARKERS (SEE TC-11 FOR SPACING AND DETAILS)

			78000100	78000200	78000400	78000600	78000650	
			SYMBOLS	LINE 4"	LINE 6"	LINE 12"	LINE 24"	
LOCATION	STATION	STATION	QUANTITY (SQ FT)	QUANTITY (FT)	QUANTITY (FT)	QUANTITY (FT)	QUANTITY (FT)	TYPE
IL 68 (DUNDEE ROAD)	12+61	32+78		7,167				DOUBLE SOLID YELLOW
IL 68 (DUNDEE ROAD)	18+45	32+78				242		SOLID YELLOW
IL 68 (DUNDEE ROAD)	12+61	32+78		3,377	115	158		SOLID WHITE
IL 68 (DUNDEE ROAD)	24+75	26+18			36			SKIP DASH WHITE
IL 68 (DUNDEE ROAD)	24+34	24+66	37					LETTERS AND SYMBOLS
IL 68 (DUNDEE ROAD)	22+97	23+46			178	117	15	SOLID WHITE
IL 68 (DUNDEE ROAD)	32+78	32+78					12	SOLID WHITE
		TOTAL	37	10,544	329	517	27	

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ORION ENGINEERS

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PLOT DATE = 1/16/2025	DATE - 12/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: | SHEET 1 OF 2 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	34
		CONTRACT NO. 62R73		
	ILLINOIS	FED. AID PROJECT		

NOTES

THE RESIDENT ENGINEER SHALL CONTACT MR. FADI SULTAN, AREA TRAFFIC FIELD ENGINEER, AT FADI.SULTAN@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

N

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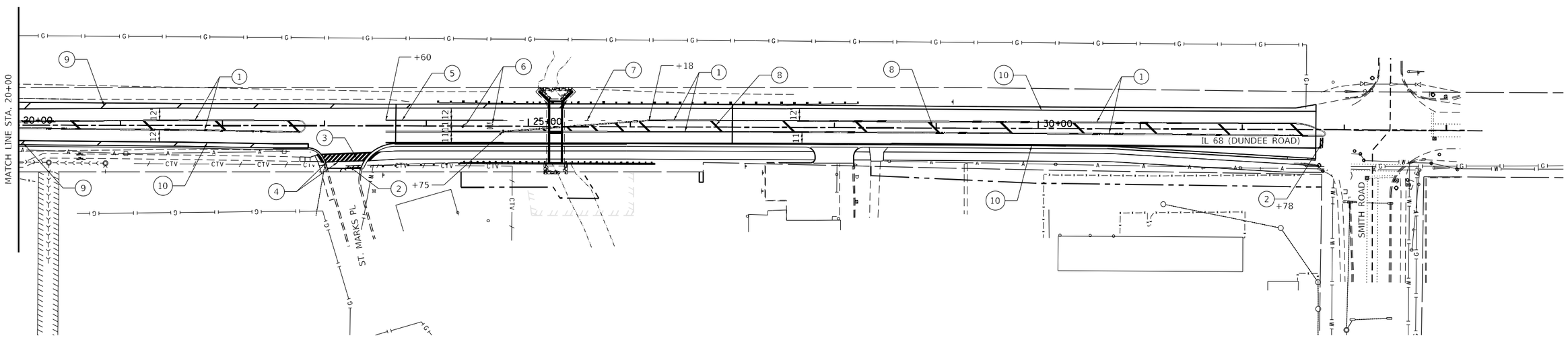

LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW @ 11" C-C - MEDIAN PAVEMENT MARKING
2. THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE SOLID - STOP BAR
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10. THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SOLID LINE

◆ RAISED REFLECTIVE PAVEMENT MARKERS (SEE TC-11 FOR SPACING AND DETAILS)

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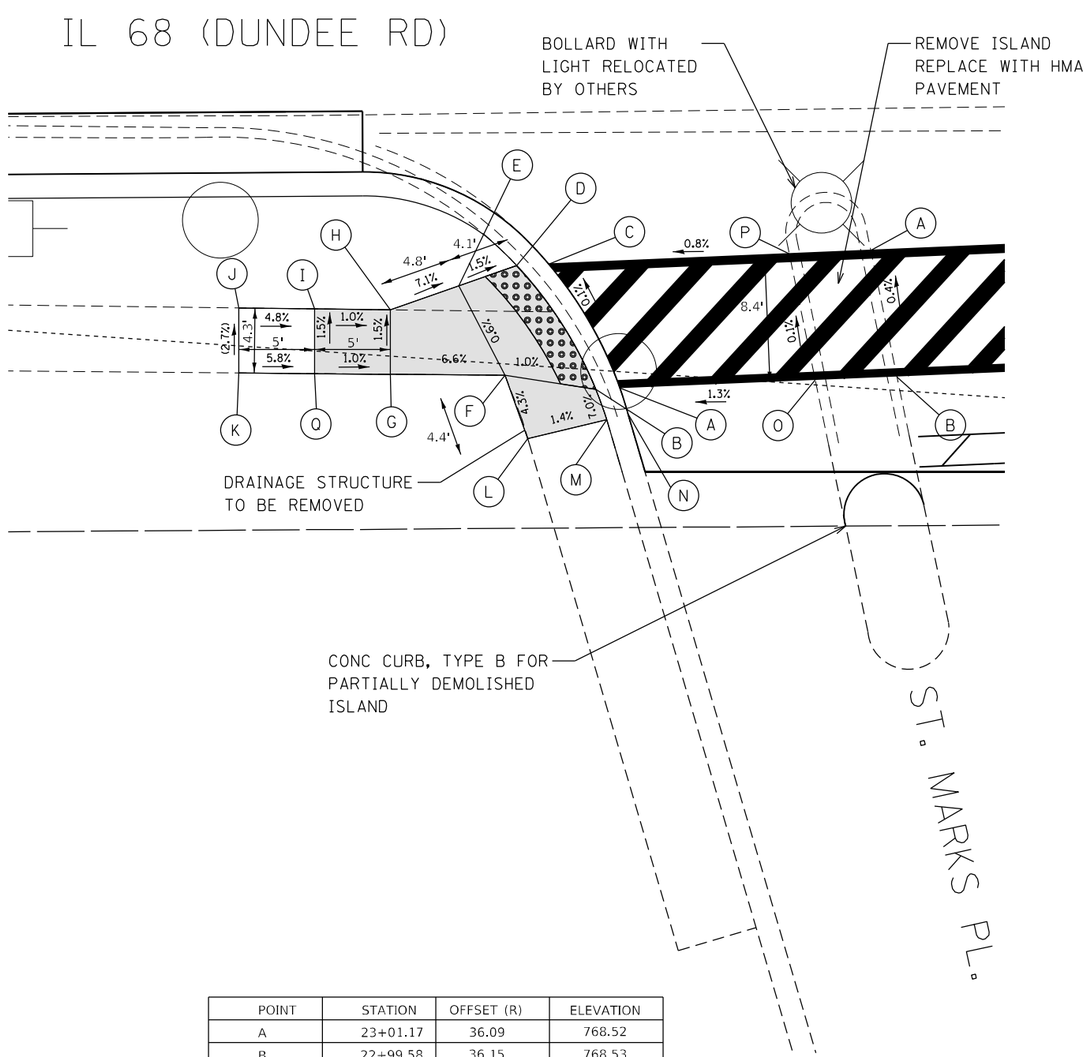
PLOT DATE = 1/16/2025	DATE - 12/16/2022	REVISED -	

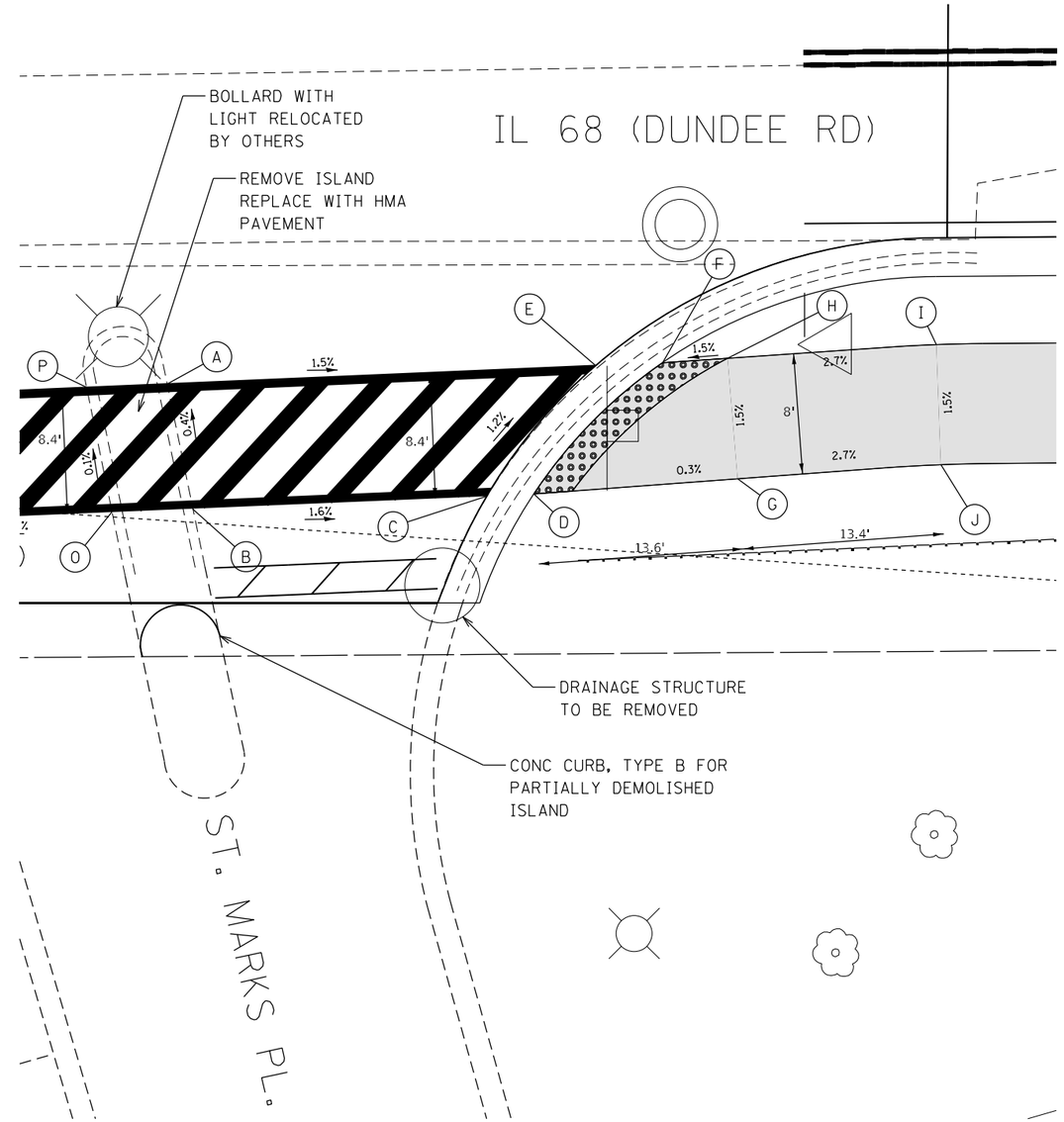
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: | SHEET 2 OF 2 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	35
		CONTRACT NO. 62R73		
	ILLINOIS	FED. AID PROJECT		





POINT	STATION	OFFSET (R)	ELEVATION
A	23+01.17	36.09	768.52
B	22+99.58	36.15	768.53
C	22+96.52	27.87	768.55
D	22+94.40	27.95	768.54
E	22+90.56	29.27	768.60
F	22+93.59	35.19	768.56
G	22+86.02	35.09	769.01
H	22+86.04	30.84	768.94
I	22+81.04	30.75	768.99
J	22+76.04	30.67	(769.23)
K	22+76.02	34.94	(769.35)
L	22+95.06	39.39	(768.75)
M	23+00.29	38.17	(768.68)
N	23+01.69	37.75	(768.52)
O	23+14.05	35.60	768.68
P	23+12.38	27.27	768.67
Q	22+81.02	35.03	769.06

POINT	STATION	OFFSET (R)	ELEVATION
A	23+17.77	27.06	(768.77)
B	23+19.44	35.41	(768.80)
C	23+39.05	34.65	768.49
D	23+42.18	34.53	768.49
E	23+46.45	26.00	768.35
F	23+50.81	25.81	768.35
G	23+55.78	33.57	768.53
H	23+55.17	25.53	768.41
I	23+69.07	24.69	768.78
J	23+69.35	32.69	768.90

LEGEND

- xx.xx' — EXISTING LENGTH
- PROPOSED SIDE CURB
- ( ) — EXISTING ELEVATION/SLOPE
- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

N

0 20 40 60
SCALE IN FEET

N

0 20 40 60
SCALE IN FEET

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ORION ENGINEERS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

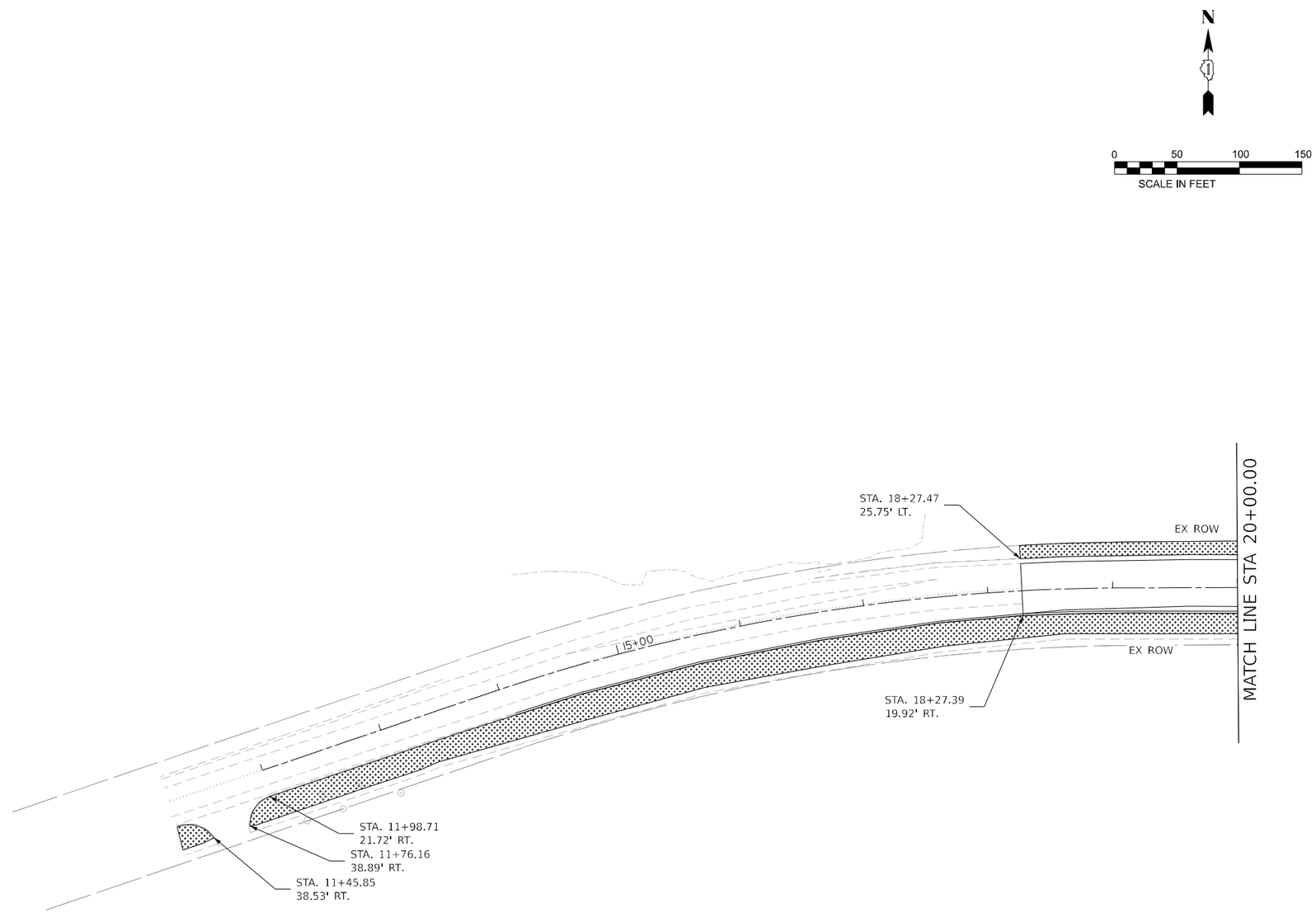
INTERSECTION DETAILS
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	36

CONTRACT NO. 62R73

ILLINOIS | FED. AID PROJECT



LEGEND

SEEDING, CLASS 1A
TOPSOIL EXCAVATION AND PLACEMENT

SEEDING, CLASS 4B (MODIFIED)
TOPSOIL EXCAVATION AND PLACEMENT

STONE RIPRAP, CLASS A4

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GSG CONSULTANTS, INC.
735 E. REMINGTON RD. SCHAUMBURG, IL 60173
TEL: +1630.994.2600 | WWW.GSG-CONSULTANTS.COM

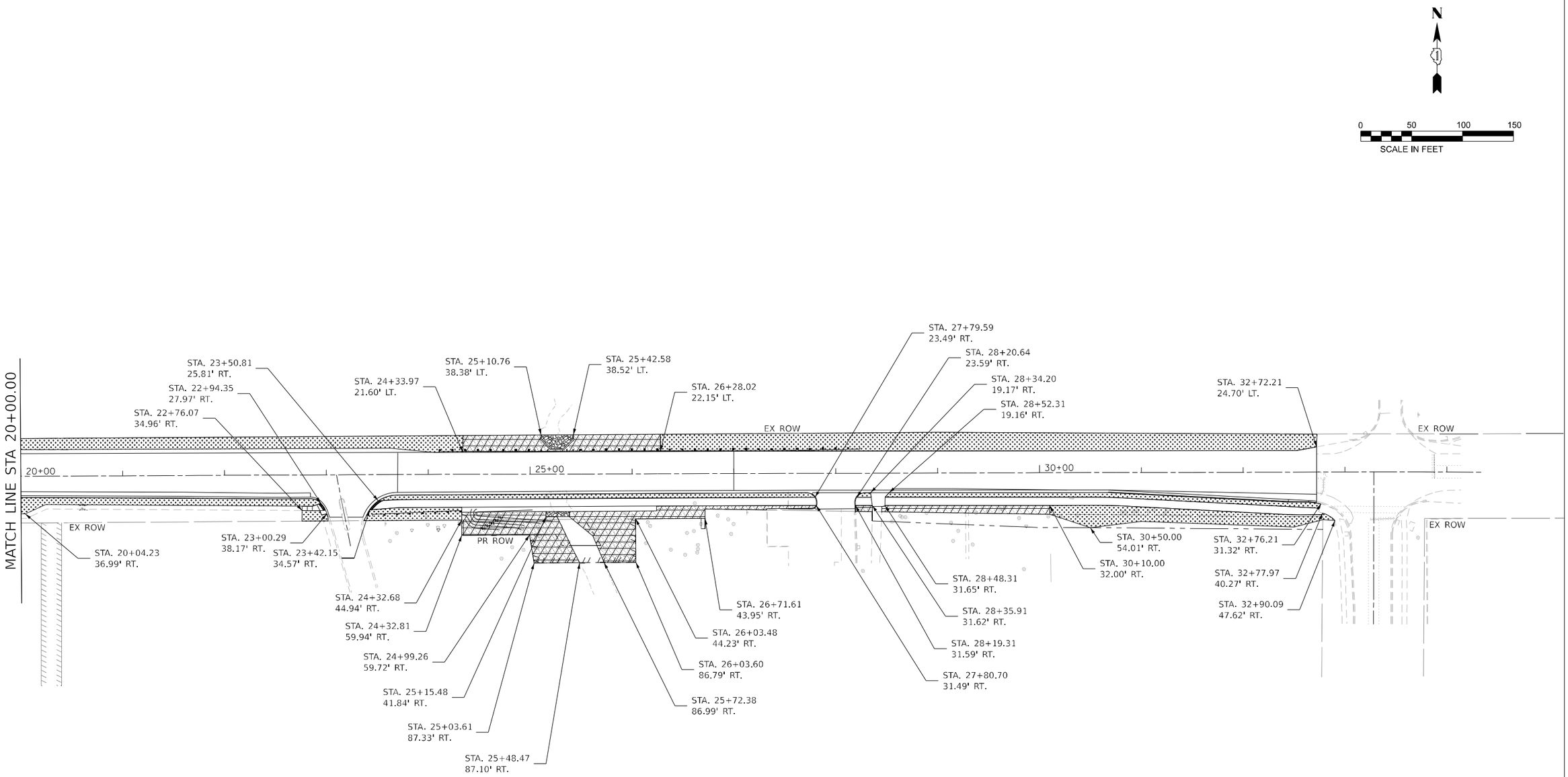
USER NAME = tharper	DESIGNED - TH	REVISED -	
	DRAWN - TH	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 12/4/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN
F.A.P ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: 1:50 | SHEET 1 OF 2 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	37
		CONTRACT NO. 62R73		
	ILLINOIS	FED. AID PROJECT		



LEGEND

SEEDING, CLASS 1A
TOPSOIL EXCAVATION AND PLACEMENT

SEEDING, CLASS 4B (MODIFIED)
TOPSOIL EXCAVATION AND PLACEMENT

STONE RIPRAP, CLASS A4

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GSG CONSULTANTS, INC.
735 E. REMINGTON RD. SCHAUMBURG, IL 60173
TEL: +1630.994.2600 | WWW.GSG-CONSULTANTS.COM

USER NAME = tharper	DESIGNED - TH	REVISED -	
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	CHECKED -	REVISED -	
PLOT DATE = 12/4/2024	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN
F.A.P ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: 1:50 | SHEET 2 OF 2 SHEETS | STA. TO STA.

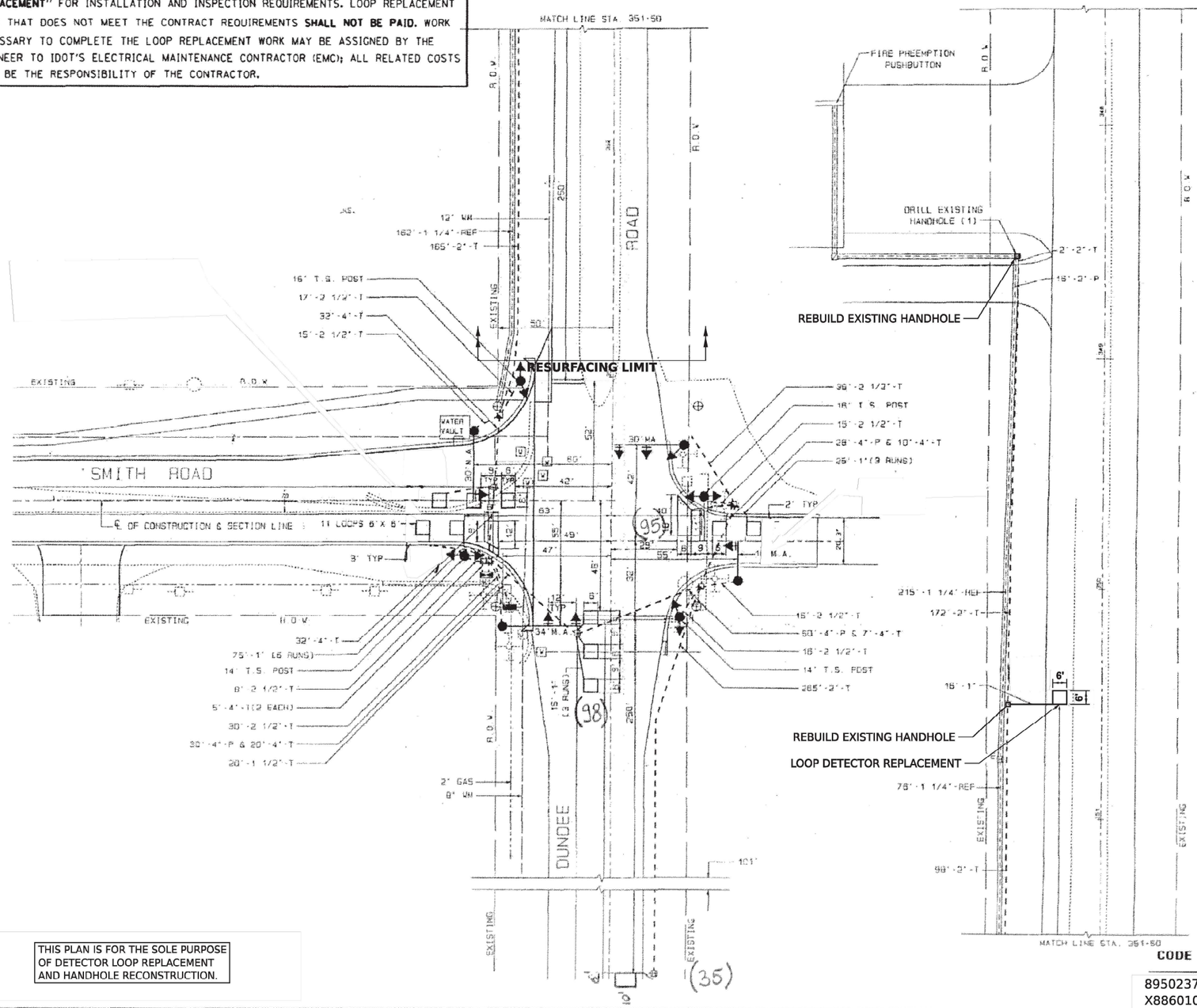
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	38
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "**TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS**". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "**INSPECTION OF CONSTRUCTION**" AND "**DETECTOR LOOP REPLACEMENT**" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS **SHALL NOT BE PAID.** WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		"E"

N



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT AND HANDHOLE RECONSTRUCTION.

REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
89502376	2	EACH	REBUILD EXISTING HANDHOLE
X8860105	40	FOOT	DETECTOR LOOP REPLACEMENT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE – DETECTOR LOOP REPLACEMENT
IL RTE 68 (DUNDEE RD) AT SMITH RD

SCALE: NTS | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	(70 & 30 & 05-2)	COOK	57	36
		CONTRACT NO. 60T02		

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

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Peralte-Clark LLC

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL PLAN
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	39
		CONTRACT NO. 62R73		

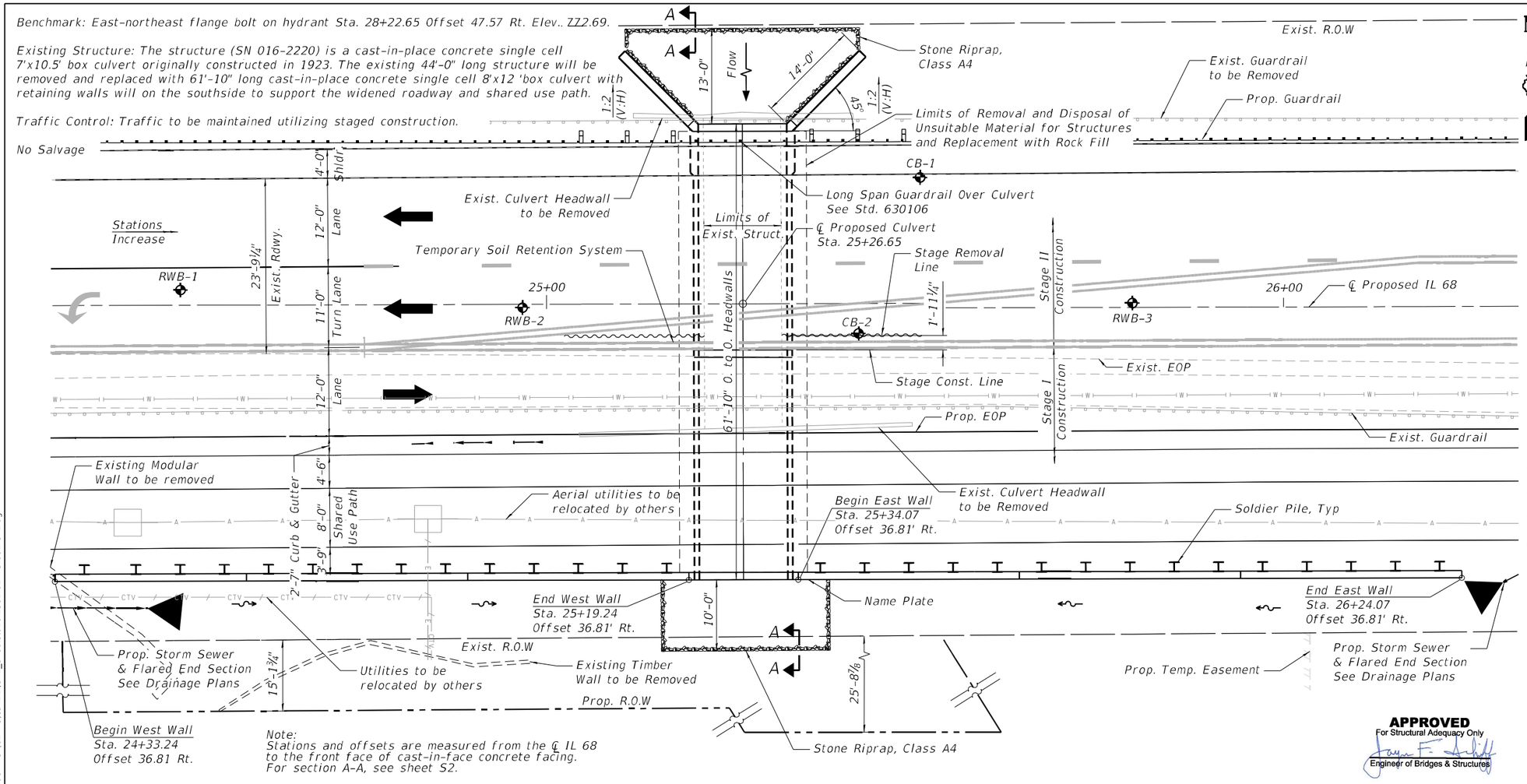
ILLINOIS | FED. AID PROJECT

Benchmark: East-northeast flange bolt on hydrant Sta. 28+22.65 Offset 47.57 Rt. Elev.. 772.69.

Existing Structure: The structure (SN 016-2220) is a cast-in-place concrete single cell 7'x10.5' box culvert originally constructed in 1923. The existing 44'-0" long structure will be removed and replaced with 61'-10" long cast-in-place concrete single cell 8'x12 'box culvert with retaining walls will on the southside to support the widened roadway and shared use path.

Traffic Control: Traffic to be maintained utilizing staged construction.

No Salvage



Note:
Stations and offsets are measured from the ℄ IL 68 to the front face of cast-in-face concrete facing.
For section A-A, see sheet S2.

PLAN

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50) (Soldier Pile)

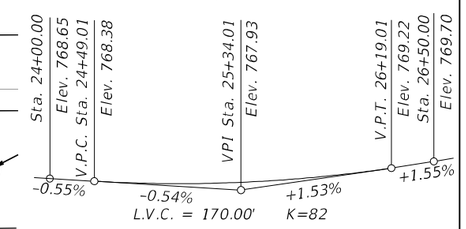
DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications 9th Edition

LOADING HL-93

Culvert: Allow 50 #/sq. ft. for Future Wearing Surface
Retaing Wall: 250 psf Live Load Surcharge

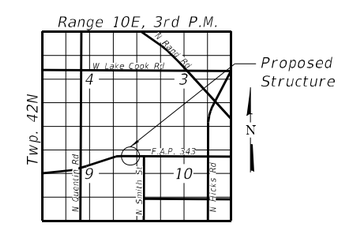
LICENSED STRUCTURAL ENGINEER
AMBER M. SEIBER
081-007929
STATE OF ILLINOIS
Expires 11-30-2026



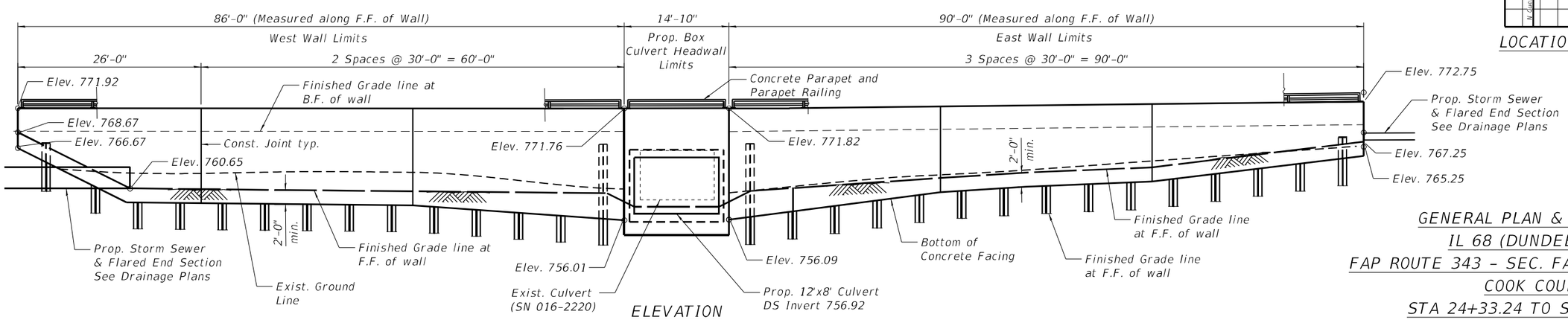
PROFILE GRADE

(Along PGL - See Sheet S3 for Location)

APPROVED
For Structural Adequacy Only
Engineer of Bridges & Structures



LOCATION SKETCH



ELEVATION

(Looking @ F.F. of wall)

GENERAL PLAN & ELEVATION
IL 68 (DUNDEE ROAD)
FAP ROUTE 343 - SEC. FAP 343 22 CULVERT
COOK COUNTY
STA 24+33.24 TO STA 26+24.07
STRUCTURE NO. 016-2302

MODEL: 01 - Plan and Profile
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ORION ENGINEERS

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	DRAWN - MBC	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 016-2302

SHEET S1 OF S14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	40
		CONTRACT NO. 62R73		
		ILLINOIS FED. AID PROJECT		

1/24/2025 7:33:17 PM

GENERAL NOTES

Concrete Sealer shall be applied to all exposed surface of the wall and shall extend 1'-0" minimum below finished grade.

Reinforcement bars designated (E) shall be epoxy coated.

It shall be the responsibility of the Contractor to divert flow during construction in order to keep construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and shall be included in the cost of Concrete Box Culverts.

The Contractor is responsible for the design and performance of the lagging using no less than a 3" nominal rough-sawn thickness and timber with an allowable bending stress of 1000 psi.

Gecomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Burried Structures.

Precast alternative shall not be allowed.

All structural steel shall be in accordance with AASHTO M270 Grade 50, unless otherwise noted.

No field welding is permitted except as specified in the contract documents.

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

The limits and quantities of removal and replacement shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.

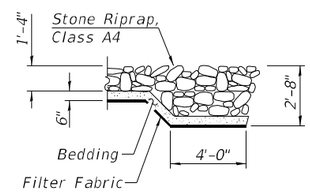
The Rockfill shall be capped with 6 in. of CA-7 and satisfy the Standard Specifications unless otherwise indicated in the Special Provisions. The cost of the capping material shall be included in the pay item for Rockfill.

INDEX OF SHEETS

STA. 25+26.65
BUILT 20xx BY
STATE OF ILLINOIS
FAP RT. 343 SEC. FAP 343 22 CULVERT
HL-93 LOADING
STR. NO. 016-2302

NAME PLATE

See Std. 515001



SECTION A-A

TOTAL BILL OF MATERIAL

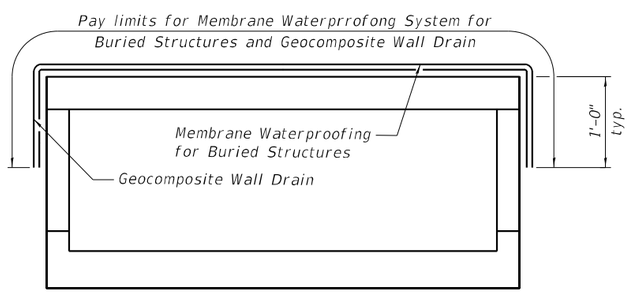
DESCRIPTION	UNITS	QUANTITY
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	149
STONE RIPRAP, CLASS A4	SQ YD	63
FILTER FABRIC	SQ YD	63
REMOVAL OF EXISTING STRUCTURES	L SUM	1
STRUCTURE EXCAVATION	CU YD	46
STUD SHEAR CONNECTORS	EACH	450
REINFORCEMENT BARS, EPOXY COATED	POUND	33,060
BAR SPLICERS	EACH	74
PARAPET RAILING	FOOT	191
NAME PLATES	EACH	1
TEMPORARY SOIL RETENTION SYSTEM	SQ FT	697
FURNISHING SOILDER PILES (HP SECTION)	FOOT	791.5
DRIVING SOLDIER PILES	FOOT	579.5
UNTREATED TIMBER LAGGING	SQ FT	1,357
CONCRETE STRUCTURES	CU YD	75.3
CONCRETE BOX CULVERTS	CU YD	114.8
GRANULAR BACKFILL FOR STRUCTURES	CU YD	233
CONCRETE SEALER	SQ FT	1,695
GEOCOMPOSITE WALL DRAIN	SQ YD	151
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	176
MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	106
ROCK FILL	CU YD	149

WATERWAY INFORMATION

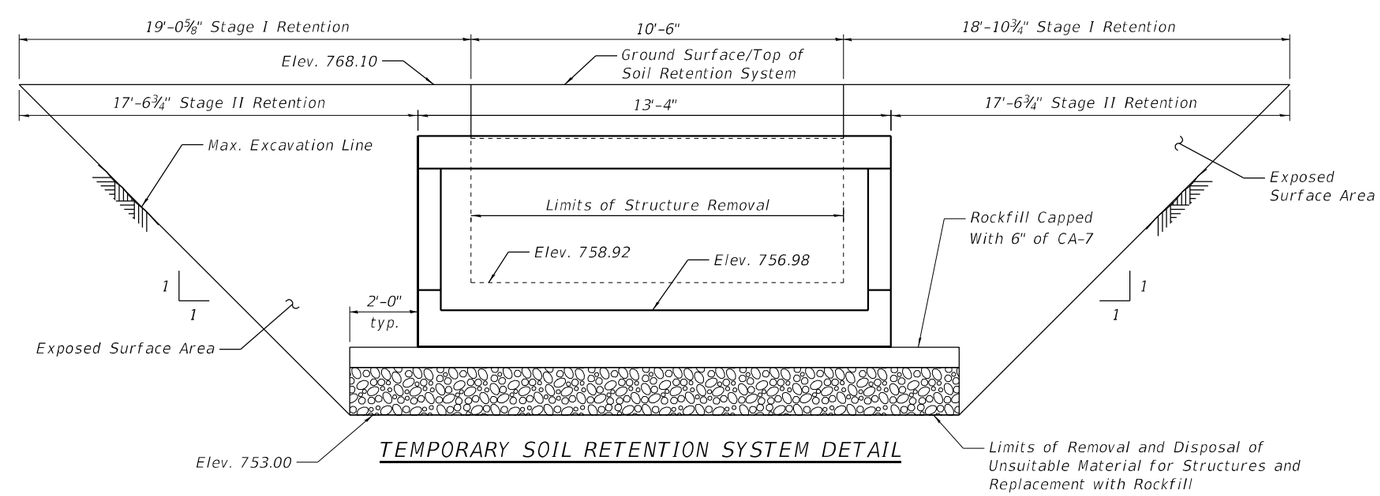
Drainage Area = 2.8 sq. mi. Low Grade Elev. 768.26 @ Sta. 24+93

Flood	Freq. Yr.	Q C.F.S.	Opening Ft² Exist.	Opening Ft² Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	62	13.4	27.4	760.3	0.5	0.0	760.8	760.3
Design	50	163	24.3	39.7	761.4	1.0	0.2	762.4	761.6
Base	100	232	29.2	45.4	761.8	1.4	0.3	763.2	762.1
Overtopping									
Max. Calc.	500	400	38.2	55.7	762.7	2.4	0.8	765.1	763.5

10-Year Velocity through Existing Structure = 5 ft/s
10-Year Velocity through Proposed Structure = 2 ft/s
2-Year Flow Rate = 32 ft³/s



MEMBRANE WATERPROOFING SYSTEM



TEMPORARY SOIL RETENTION SYSTEM DETAIL

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ORION ENGINEERS

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	DRAWN - MBC	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 016-2302

SHEET S2 OF S14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	41

CONTRACT NO. 62R73
ILLINOIS FED. AID PROJECT

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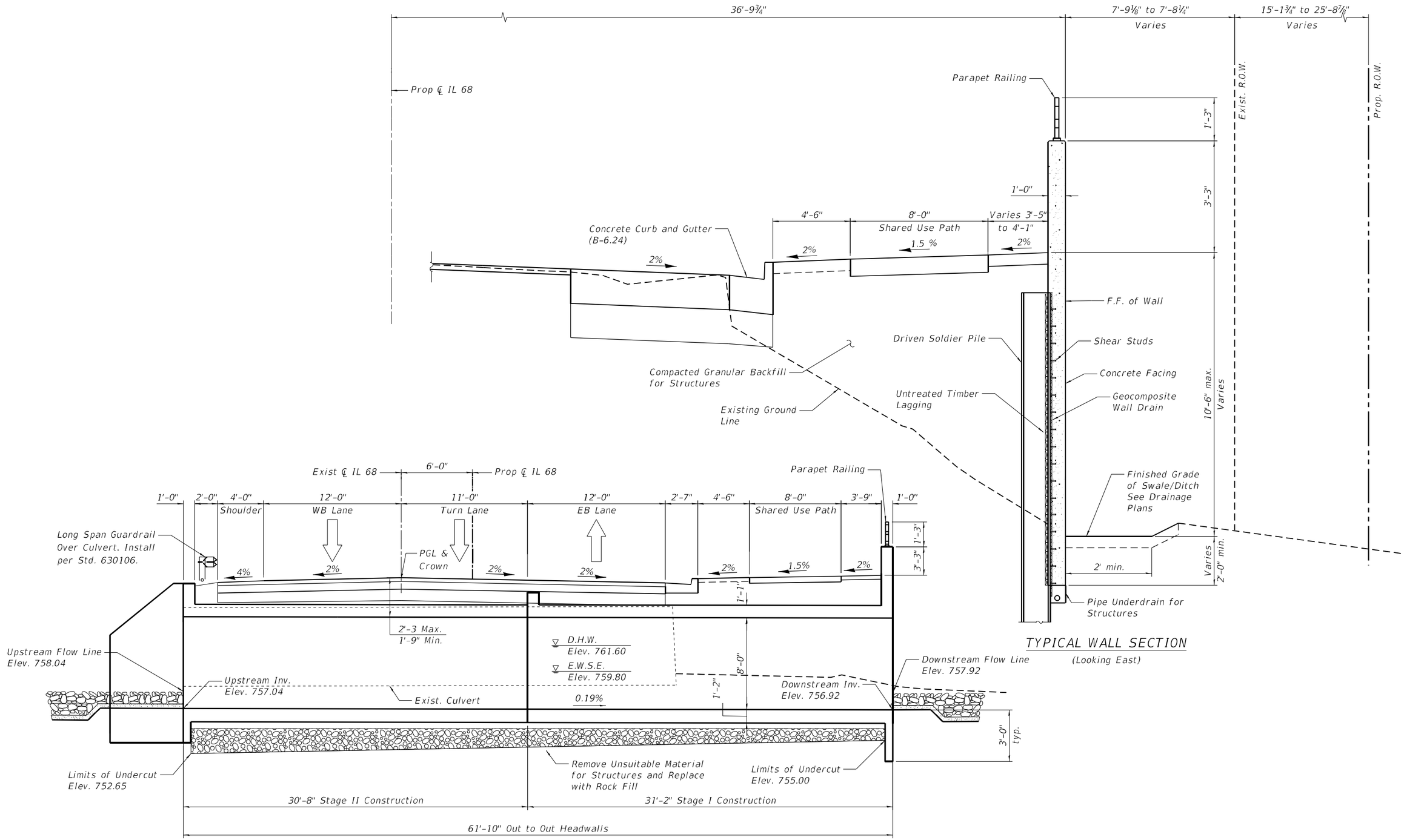

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL WALL AND LONGITUDINAL SECTIONS
STRUCTURE NO. 016–2302

SHEET S3 OF S14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	42
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	

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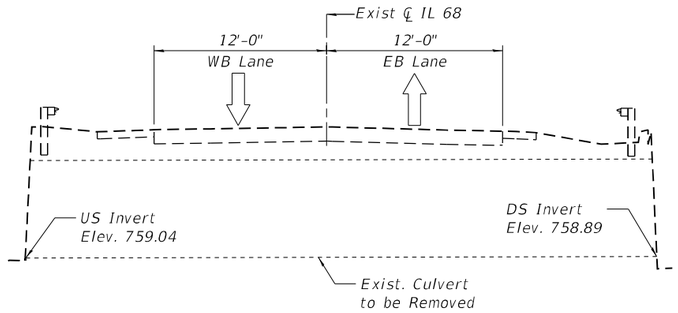
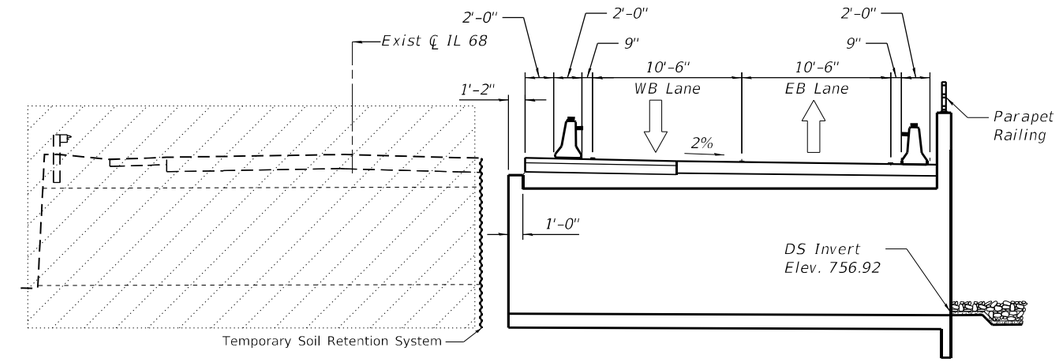


EXISTING

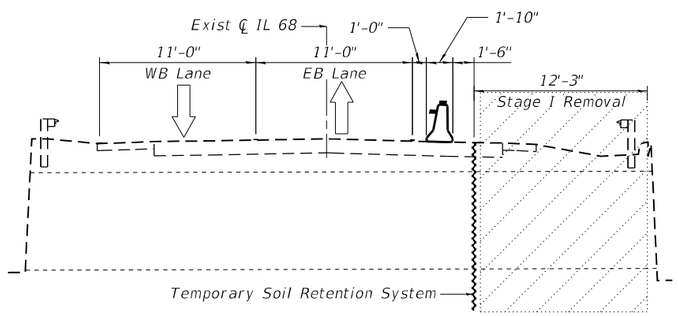
(Looking East)



STAGE 2 REMOVAL

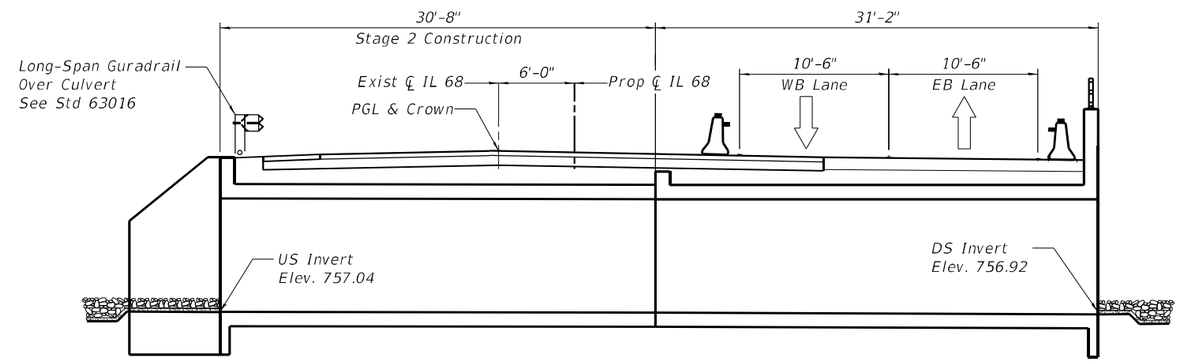
(Looking East)

Notes:
See Roadway Plans for Stage 3 Construction and additional details.



STAGE 1 REMOVAL

(Looking East)



STAGE 2 CONSTRUCTION

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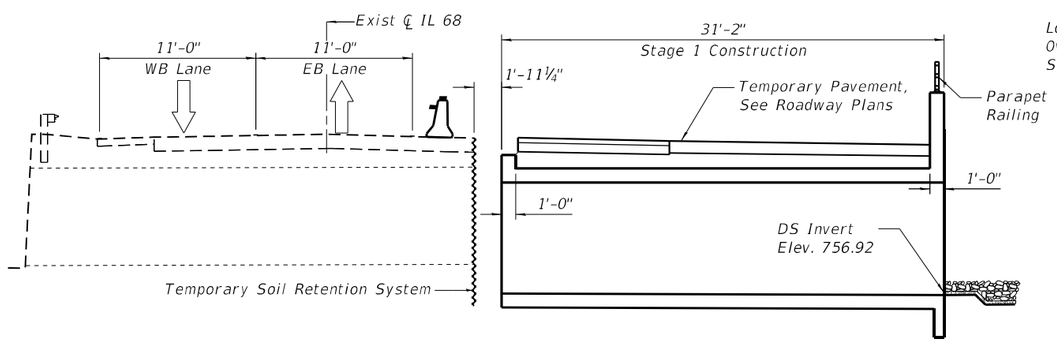
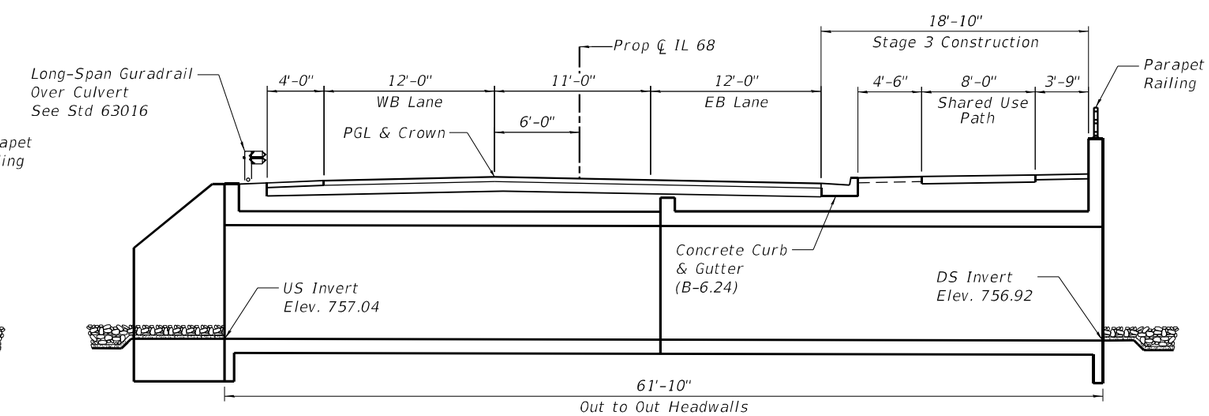


STAGE 1 CONSTRUCTION

(Looking East)



FINAL

(Looking East)

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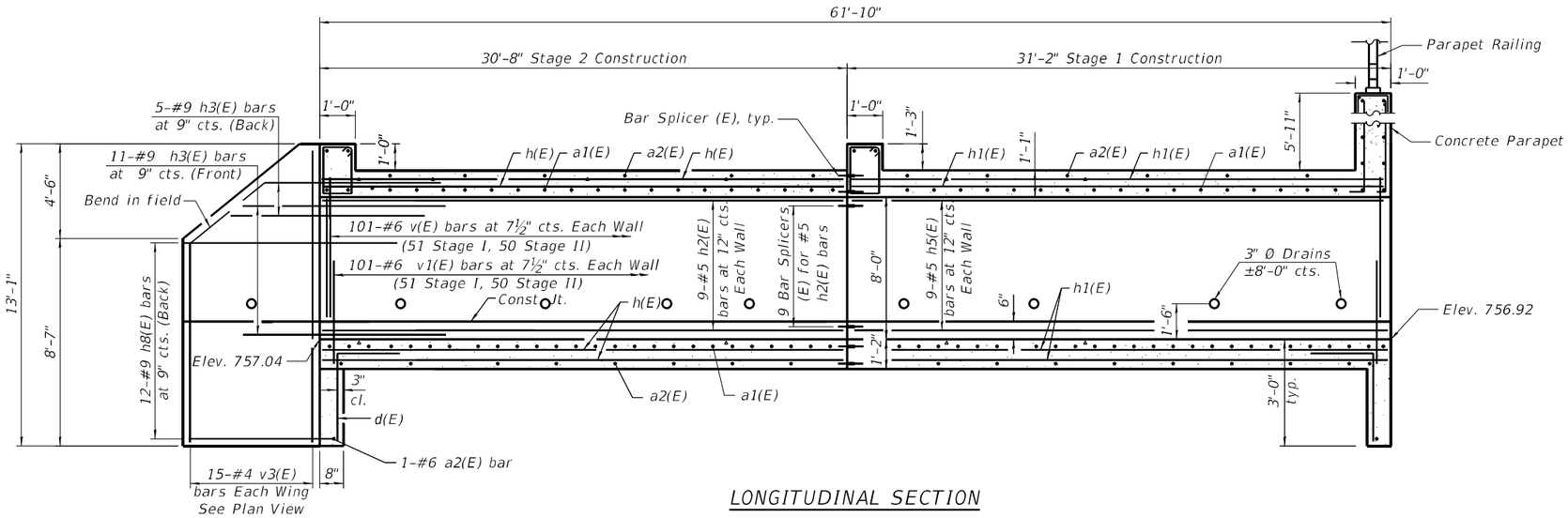
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

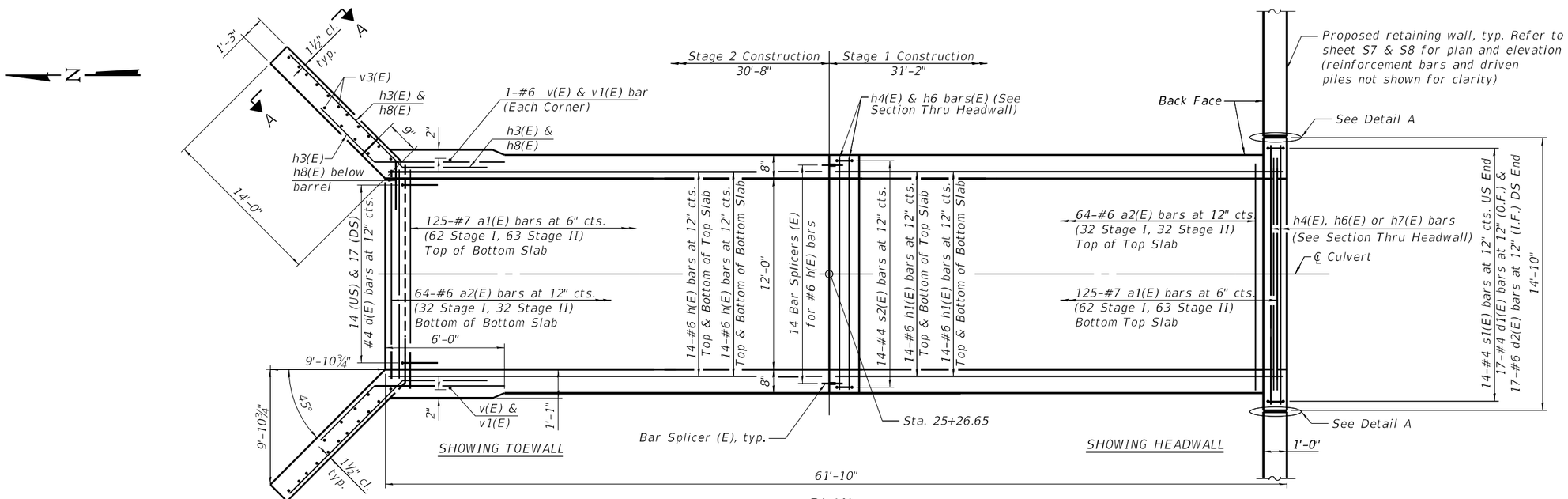
STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 016-2302

SHEET S4 OF S14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	43
		CONTRACT NO. 62R73		
		ILLINOIS FED. AID PROJECT		



LONGITUDINAL SECTION



PLAN

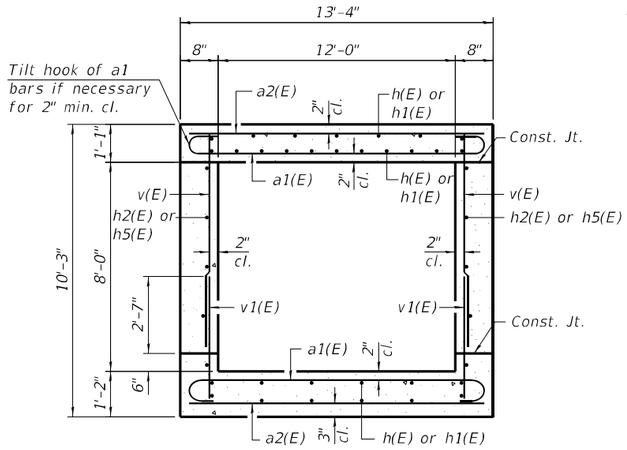
Notes:

A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.

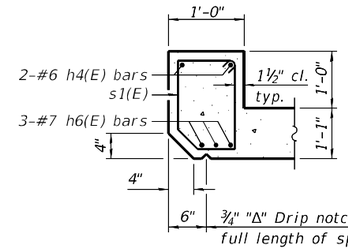
Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

At the Contractor's option, a longer v1 bar may be ordered to replace the v bar. No reduction in quantities shall be made for this substitution.

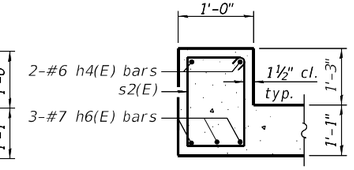
See Sheet S6 for Section Thru Barrel, Section Thru Headwall, Section A-A, Detail A, bar details and Bill of Material.



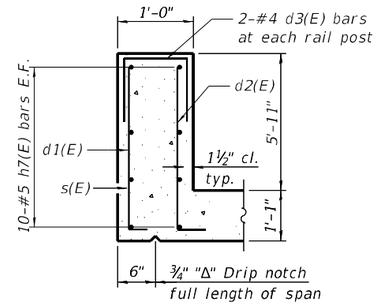
SECTION THRU BARREL



UPSTREAM

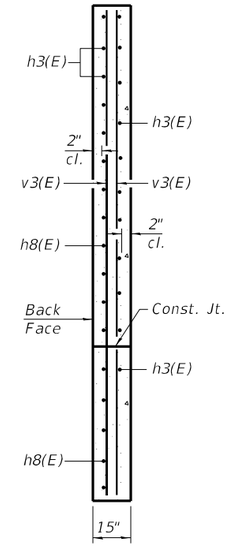


STAGE CONST. LINE



DOWNSTREAM

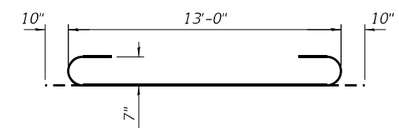
SECTION THRU HEADWALL



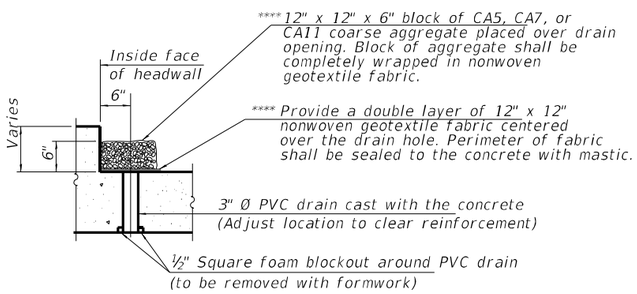
SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	250	#7	14'-8"	
a2(E)	130	#6	13'-0"	
d(E)	31	#4	4'-5"	
d1(E)	17	#4	7'-4"	
d2(E)	17	#6	7'-8"	
d3(E)	6	#4	2'-3"	
h(E)	56	#6	30'-4"	
h1(E)	56	#6	30'-10"	
h2(E)	18	#5	30'-4"	
h3(E)	32	#9	8'-0"	
h4(E)	4	#6	13'-0"	
h5(E)	18	#5	30'-10"	
h6(E)	6	#7	13'-0"	
h7(E)	10	#5	14'-6"	
h8(E)	24	#9	16'-6"	
s1(E)	14	#4	5'-7"	
s2(E)	14	#4	6'-3"	
v(E)	202	#6	8'-3"	
v1(E)	202	#6	4'-3"	
v3(E)	30	#4	12'-8"	
Concrete Box Culverts			Cu. Yd.	114.8
Reinforcement Bars			Pound	23,470



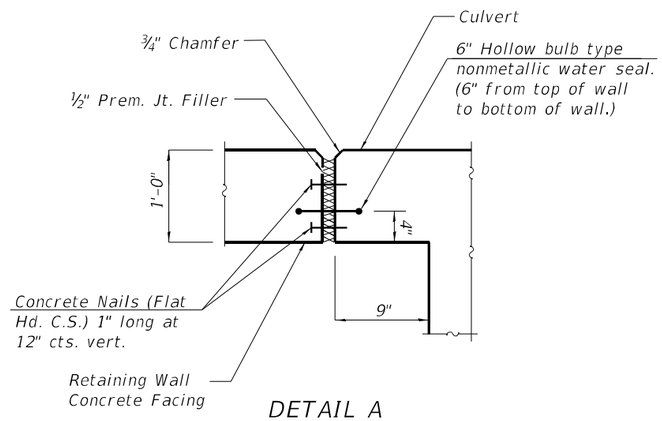
BAR a1(E)



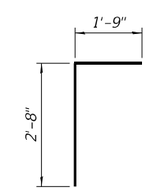
DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

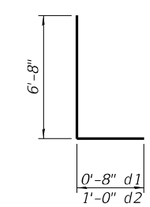
**** Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.



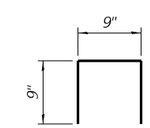
DETAIL A



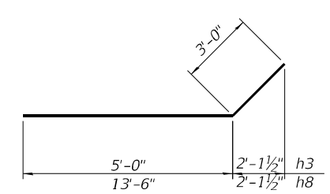
BAR d(E)



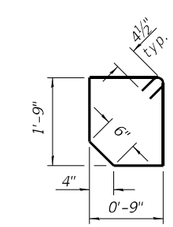
BAR d1(E) & d2(E)



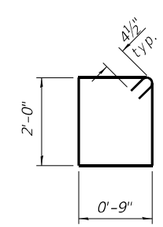
BAR d3(E)



BAR h3(E) and h8(E)



BAR s1(E)



BAR s2(E)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS II
STRUCTURE NO. 016-2302

SHEET 56 OF 514 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	45
		CONTRACT NO. 62R73		
		ILLINOIS FED. AID PROJECT		

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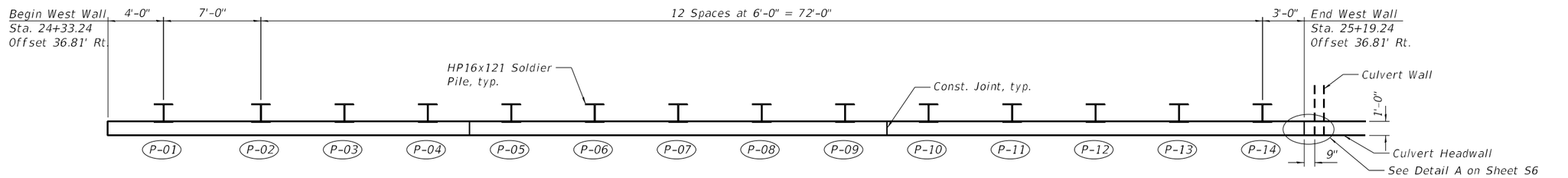
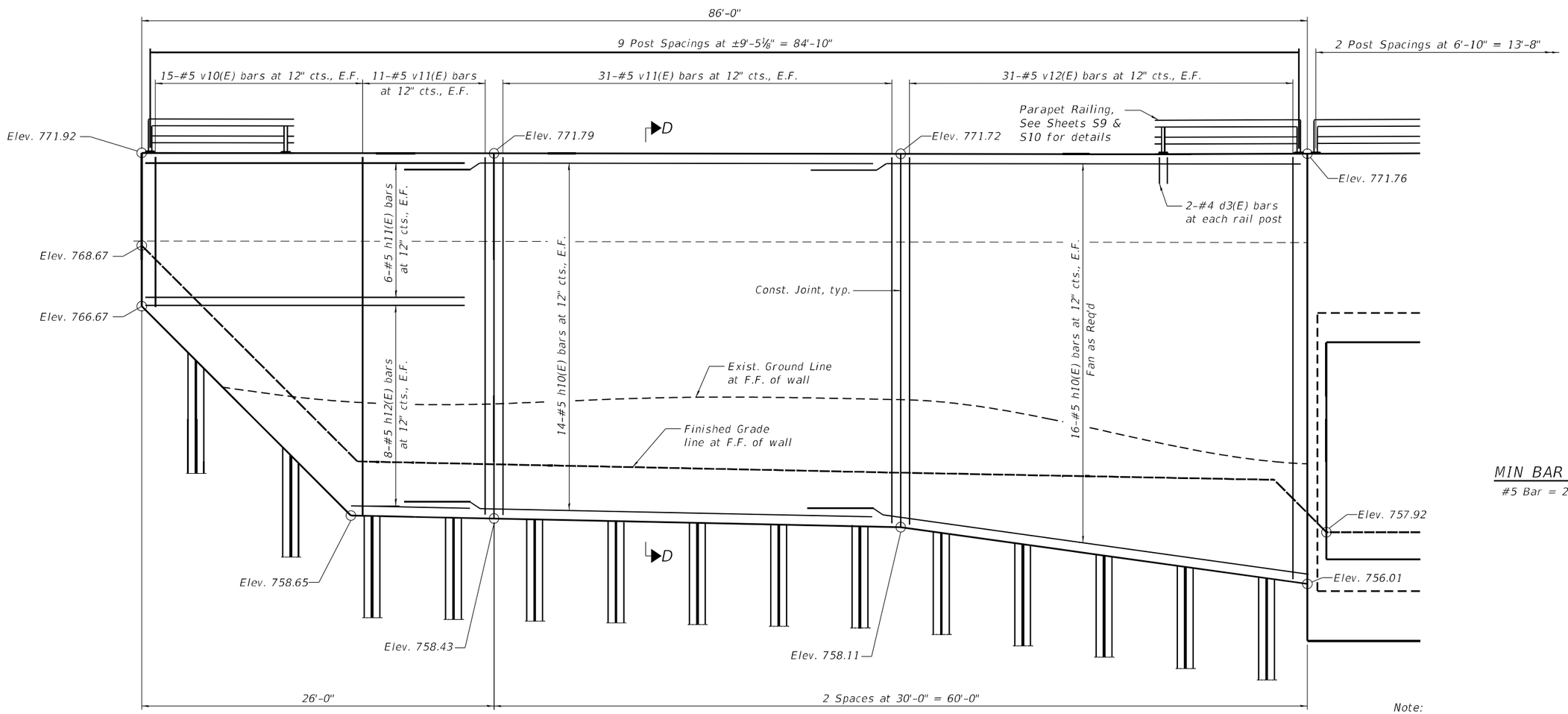


PLAN



ELEVATION

MIN BAR LAP

#5 Bar = 2'-7"

Note:
See Sheet S9 for Pile Information Table, Section B-B, bar details, and Bill of Material.

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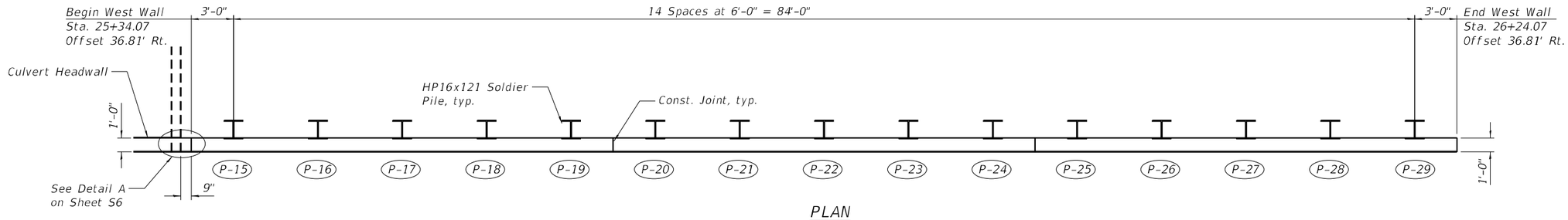
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

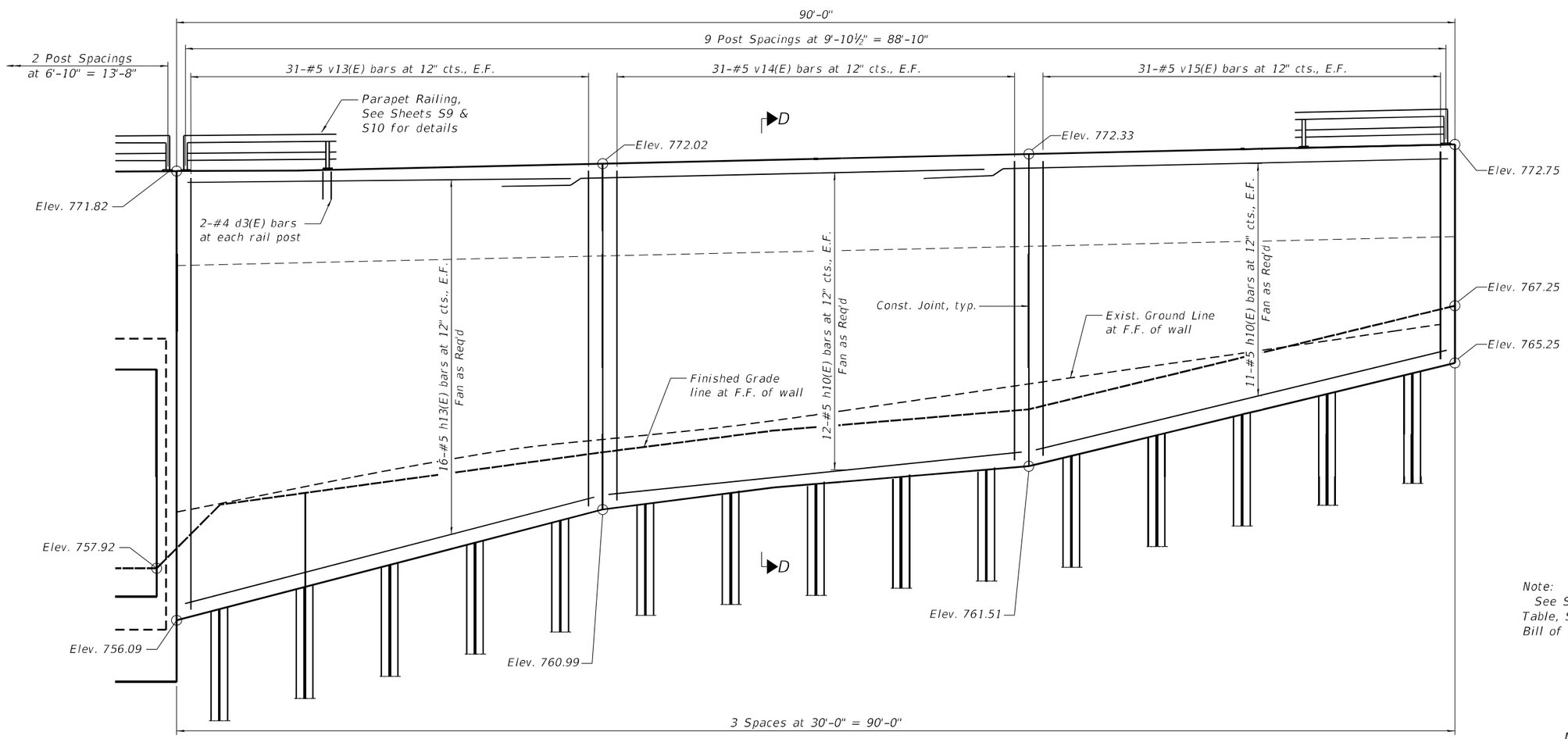
WEST RETAINING WALL PLAN AND ELEVATION
STRUCTURE NO. 016-2302

SHEET S7 OF S14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	46
		CONTRACT NO. 62R73		
	ILLINOIS	FED. AID PROJECT		



PLAN



Note:
See Sheet S9 for Pile Information Table, Section B-B, bar details, and Bill of Material.

MIN BAR LAP

#5 Bar = 2'-7"

ELEVATION

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST RETAINING WALL PLAN AND ELEVATION
STRUCTURE NO. 016-2302

SHEET S8 OF S14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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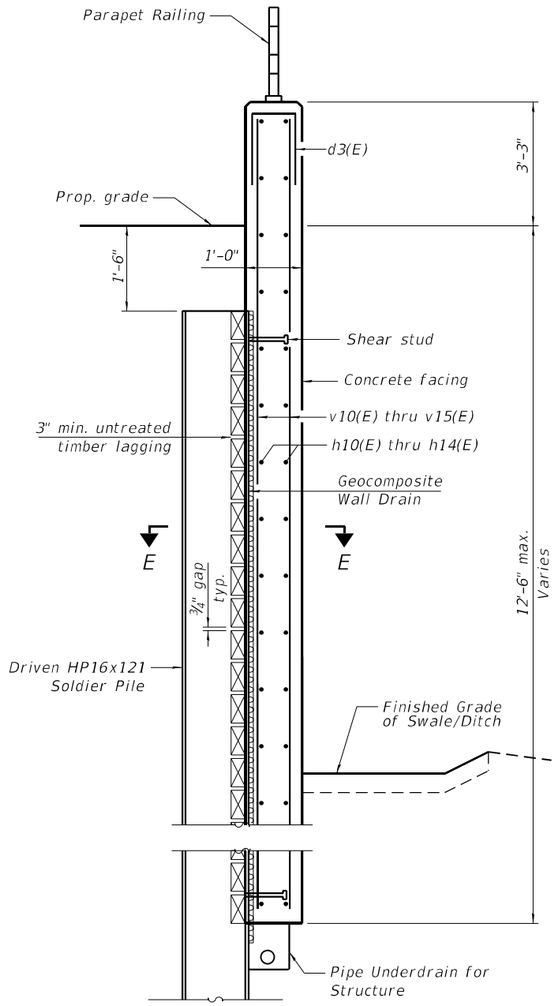
		CONTRACT NO. 62R73		
	ILLINOIS	FED. AID PROJECT		



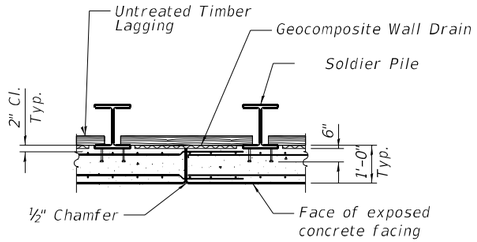
SECTION D-D

SOLDIER PILE DATA

Soldier Pile	Sta.	Offset	Top Elevation	Bottom Elevation	Total Height (Ft.)	Number of Shear Studs
P-01	24+37.24	35.22	767.15	751.15	16.00	4
P-02	24+44.24	35.22	767.11	743.11	24.00	10
P-03	24+50.24	35.22	767.08	735.58	31.50	18
P-04	24+56.24	35.22	767.05	735.55	31.50	18
P-05	24+62.24	35.22	767.03	735.53	31.50	18
P-06	24+68.24	35.22	767.01	735.51	31.50	18
P-07	24+74.24	35.22	766.99	735.49	31.50	18
P-08	24+80.24	35.22	766.98	735.48	31.50	18
P-09	24+86.24	35.22	766.97	735.47	31.50	18
P-10	24+92.24	35.22	766.97	735.47	31.50	20
P-11	24+98.24	35.22	766.97	735.47	31.50	20
P-12	25+04.24	35.22	766.98	735.48	31.50	20
P-13	25+10.24	35.22	766.99	735.49	31.50	22
P-14	25+16.24	35.22	767.00	735.50	31.50	22
P-15	25+37.07	35.22	767.09	735.59	31.50	22
P-16	25+43.07	35.22	767.12	735.62	31.50	20
P-17	25+49.07	35.22	767.16	735.66	31.50	18
P-18	25+55.07	35.22	767.20	735.70	31.50	16
P-19	25+61.07	35.22	767.25	735.75	31.50	14
P-20	25+67.07	35.22	767.30	743.30	24.00	14
P-21	25+73.07	35.22	767.35	743.35	24.00	14
P-22	25+79.07	35.22	767.41	743.41	24.00	14
P-23	25+85.07	35.22	767.48	743.48	24.00	14
P-24	25+91.07	35.22	767.55	743.55	24.00	14
P-25	25+97.07	35.22	767.62	743.62	24.00	12
P-26	26+03.07	35.22	767.70	743.70	24.00	10
P-27	26+09.07	35.22	767.78	743.78	24.00	10
P-28	26+15.07	35.22	767.87	751.87	16.00	8
P-29	26+21.07	35.22	767.98	751.96	16.00	6

SOLDIER PILE WALL CONSTRUCTION SEQUENCE

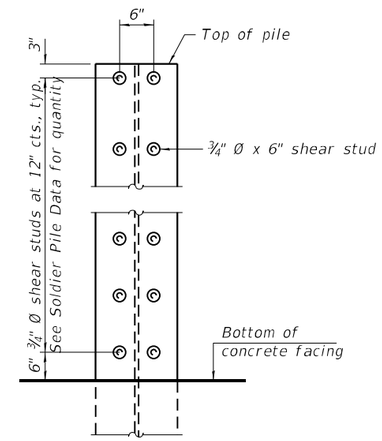
1. Construct concrete box culvert.
2. Drive soldier piles (may be completed prior to completing construction of box culvert).
3. Install timber lagging and geocomposite wall drain.
4. Place and compact backfill behind retaining wall to top of timber lagging.
5. Install shear stud connectors.
6. Place reinforcement and form concrete wall face.
7. Cast concrete wall facing.
8. Place remainder of backfill to proposed ground surface elevations on both sides of wall (backfill front side of wall as much as possible before backfilling is completed).



CONSTRUCTION JOINT DETAIL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d3(E)	40	#4	2'-3"	⊓
h10(E)	106	#5	32'-7"	———
h11(E)	12	#5	25'-8"	———
h12(E)	8	#5	35'-8"	———
h13(E)	16	#5	29'-8"	———
v10(E)	15	#5	17'-11"	———
v11(E)	84	#5	13'-2"	———
v12(E)	31	#5	28'-8"	———
v13(E)	31	#5	26'-0"	———
v14(E)	62	#5	10'-7"	———
v15(E)	31	#5	17'-8"	———
Concrete Sealer		Sq Ft	1,695	
Furnishing Soldier Piles (HP Section)		Foot	791.5	
Driving Soldier Piles		Foot	579.5	
Untreated Timber Lagging		Sq. Ft.	1,357	
Reinforcement Bars Epoxy Coated		Pound	9,590	
Stud Shear Connectors		Each	450	
Concrete Structures		Cu. Yd.	75.3	
Pipe Underdrain for Structure 4"		Foot	176	
Geocomposite Wall Drain		Sq. Yd.	151	



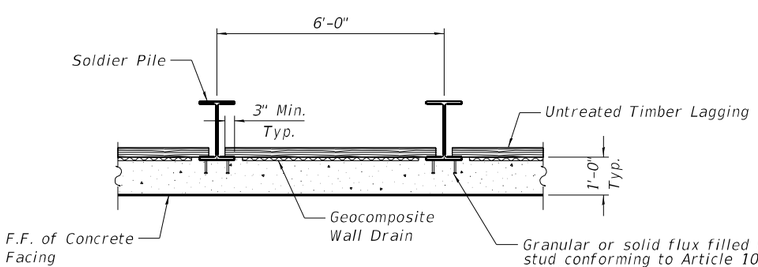
SHEAR STUD DETAIL

(Elevation of pile shown)

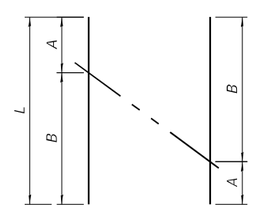
Notes:

In order to minimize excessive deflection and/or stresses in the soldier piles, compaction equipment used within 4 ft of the back face of the timber lagging shall be limited to lightweight mechanical tampers, rollers, or vibratory systems.

The Contractor is responsible for the design and performance of the timber lagging using no less than a 3 inch nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.



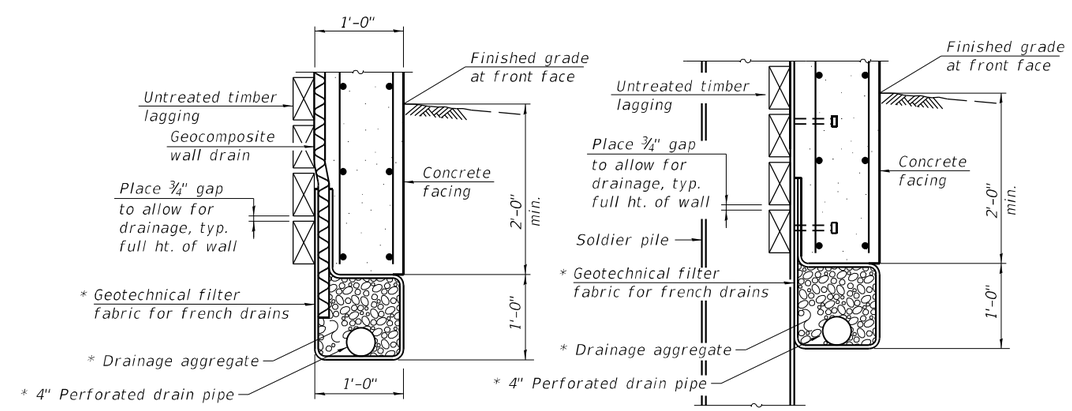
SECTION E-E



FIELD CUTTING DIAGRAM

Order bars full length. Cut as shown and use remainder of bars in the opposite face of wall.

Bar	A	B	L
h12(E)	25'-6"	10'-2"	35'-8"
v10(E)	4'-11"	13'-0"	17'-11"
v12(E)	13'-3"	15'-5"	28'-8"
v13(E)	15'-4"	10'-8"	26'-0"
v15(E)	10'-6"	7'-2"	17'-8"



UNDERDRAIN DETAILS FOR SOLDIER PILE WALLS

* Included in the cost of Pipe Underdrains for Structures.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALL DETAILS
STRUCTURE NO. 016-2302

SHEET S9 OF S14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	48

CONTRACT NO. 62R73

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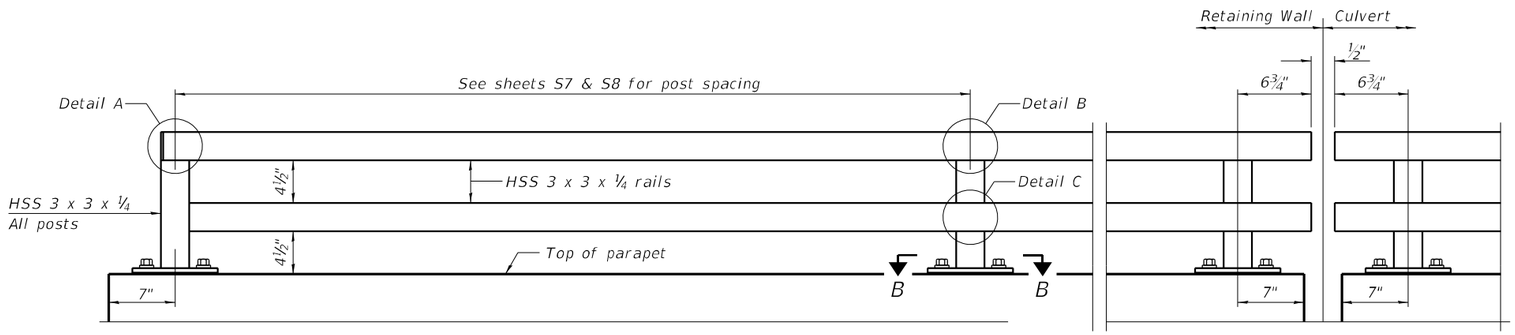
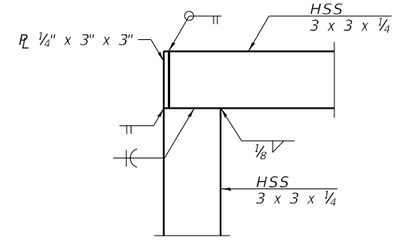
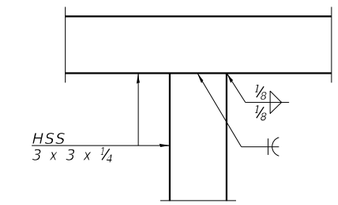


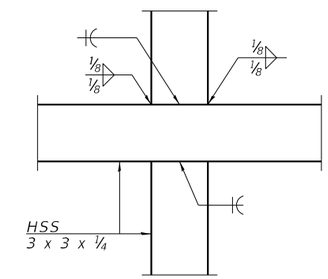
ELEVATION PARAPET RAILING
(Inside face)



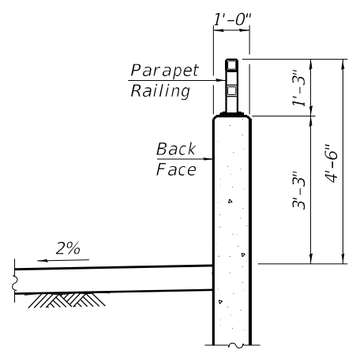
DETAIL A



DETAIL B



DETAIL C



SECTION THRU WALL

RAILING CRITERIA

MASH 2016 Test Level	4
Parapet Railing Weight (plf)	25
Bicycle Railing Weight (plf)	50
Max Post Spacing	10'-0"

(Sheet 1 of 2)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET RAILING DETAILS I
STRUCTURE NO. 016-2302

SHEET S10 OF S14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	49
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	

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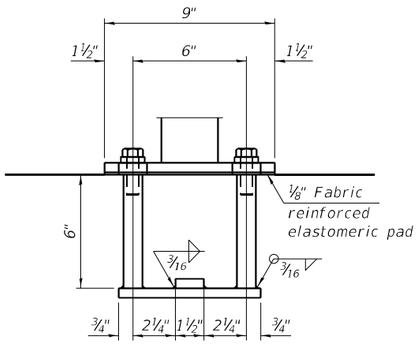
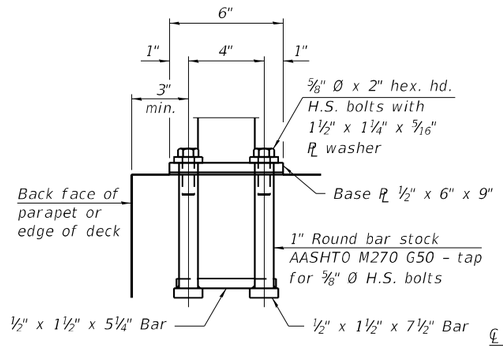
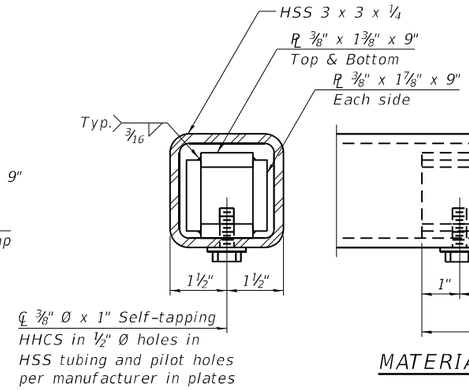
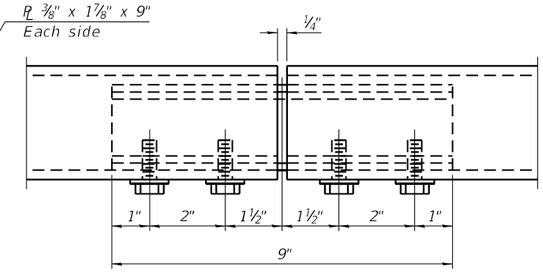




ANCHORAGE ASSEMBLY

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.





MATERIAL SPLICE

Notes:

Place reinforcement bars to miss anchor rod locations.

CVN testing is not required for the HSS tubing used in the Bicycle Railing.

All HSS tubing used for the Parapet Railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

All HSS tubing used for the Parapet Railing shall be ASTM A500 grade C.

All base plates used for the Paraper Railing shall be AASHTO M270 grade 50.

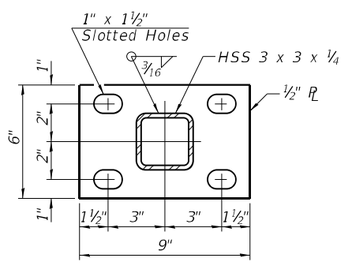
All heavy hex nuts shall be according to ASTM A 563 grade DH.

All fully threaded anchor rods shall be ASTM F1554 grade 105.

The post base plate shall be fastened to the curb snug tight and given an additional ⅛" turn.

Rail splice inserts may be built out of bent plates of the same thicknesses and outside geometry limits as the 4 plate rail splice inserts shown.

When the contract specifies a galvanized railing, all steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications. When the contract specifies a painted railing, all posts, rail, splices, anchor devices and plates of the railing shall be painted according to the paint system for railings as specified in the General Notes.



SECTION B-B

BILL OF MATERIAL

Item	Unit	Quantity
Parapet Railing	Foot	191

(Sheet 2 of 2)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET RAILING DETAILS II
STRUCTURE NO. 016-2302

SHEET S11 OF S14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	50
		CONTRACT NO. 62R73		
		ILLINOIS FED. AID PROJECT		

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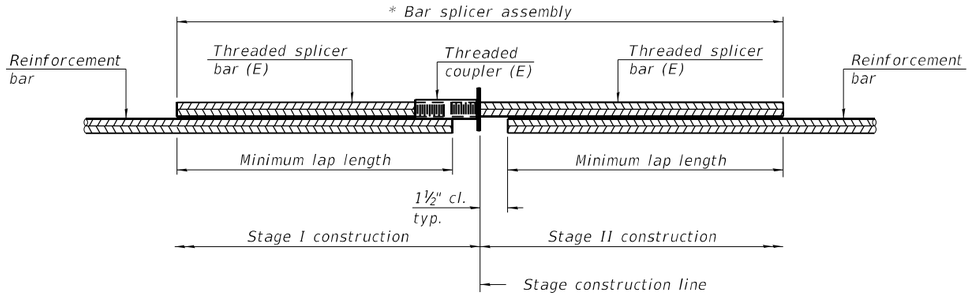


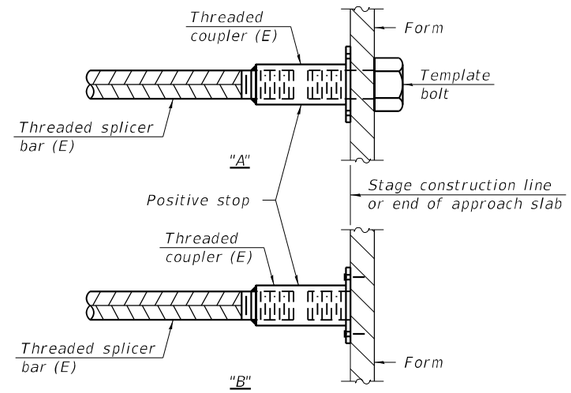
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

Threaded splicer bar length = min. lap length + 1½" + thread length

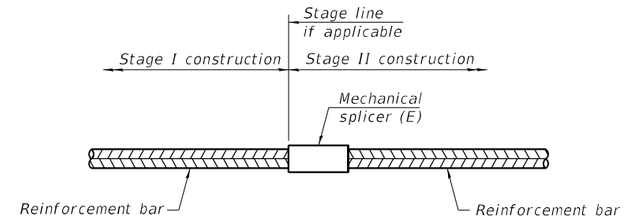
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Culvert T/slab	#6	28	4'-0"
Culvert Bslab	#6	28	4'-0"
Culvert Wall	#5	18	3'-4"



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:
Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1 5-15-2023

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO.016-2302

SHEET S12 OF S14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	51
		CONTRACT NO. 62R73		
	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
GGG Consultants, Inc.

SOIL BORING LOG

Page 1 of 1

Date 7/29/22

ROUTE Illinois Route 68 DESCRIPTION Culvert and Retaining Walls LOGGED BY AA

SECTION LOCATION IL 68 at Salt Creek, SEC. , TWP. , RNG. ,
Latitude , Longitude

COUNTY Cook DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 016-2302
Station
BORING NO. CB-1
Station 25+50.73
Offset 17.70ft LT
Ground Surface Elev. 768.15 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft
Groundwater Elev.:
First Encounter None ft
Upon Completion N/A ft
After Hrs. N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6 inches of Asphalt	767.65				
Brown and Black, Moist FILL: SILTY CLAY, trace asphalt, trace gravel, trace sand			3		
			4 4	1.8 P	17
			2		
		-5	3 4	2.5 P	21
			2		
Brown and Dark Gray, Moist to Very Moist FILL: SILTY CLAY, trace gravel, sand	761.15		2 3	2.5 P	18
			8/4"		
		-10	- -		37
Concrete Slab encountered					
	756.65		1		
Very Stiff Gray and Brown, Moist to Very Moist SILTY CLAY, trace gravel (CL/ML)			1 2	0.5 P	31
			1		
		-15	2 4	0.8 B	27
			3		
			4 5	1.7 B	21
			3		
		-20	3 5	2.7 B	22

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff to Hard Gray, Moist SILTY CLAY, trace gravel (CL/ML)	747.15		3		
			4 8	2.1 B	22
			5		
		-25	5 9		16
			4		
			7 9	5.4 B	17
			6		
		-30	9 12	2.7 B	17
			4		
			6 8	2.3 B	22
			8		
		-35	7 11	2.5 B	14
			5		
			6 9	1.5 B	21
			3		
End of Boring	728.15	-40	5 9	3.1 B	20

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
GGG Consultants, Inc.

SOIL BORING LOG

Page 1 of 1

Date 7/28/22

ROUTE Illinois Route 68 DESCRIPTION Culvert and Retaining Walls LOGGED BY AA

SECTION LOCATION IL 68 at Salt Creek, SEC. , TWP. , RNG. ,
Latitude , Longitude

COUNTY Cook DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 016-2302
Station
BORING NO. CB-2
Station 25+42.34
Offset 3.44ft RT
Ground Surface Elev. 767.94 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft
Groundwater Elev.:
First Encounter None ft
Upon Completion N/A ft
After Hrs. N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6 inches of Asphalt	767.44				
2 inches of brown Sand subbase	767.28				
Black and Brown, Moist to Very Moist FILL: SILTY CLAY, trace gravel, little sand			3		
			4 5	3.1 B	22
			2		
Cobbles at 3.5 feet			2 3	1.5 B	29
		-5			
			1		
			3 5	1.5 B	29
	758.94		1		
Dark Gray, Moist to Very Moist FILL: SILTY CLAY, trace organics, trace gravel, trace sand		-10	2 4	0.8 B	29
	756.94		2		
Very Stiff Brown and Gray, Moist SILTY CLAY, trace gravel (CL/ML)			3 5	3.3 B	23
			2		
		-15	4 5	2.3 B	20
	751.94		2		
Very Stiff to Hard Gray, Moist SILTY CLAY, trace gravel (CL/ML)			3 5	2.3 B	20
			2		
		-20	3 5	2.5 B	18

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very Stiff to Hard Gray, Moist SILTY CLAY, trace gravel (CL/ML) *(continued)*			3		
			4 7	3.1 B	17
			3		
		-25	5 8	4.0 B	17
			3		
			4 7	2.7 B	17
			3		
		-30	4 6	2.1 B	19
			4		
			8 9	4.0 B	16
			5		
		-35	7 10	5.2 B	14
			3		
			6 9	4.4 B	18
			4		
End of Boring	727.94	-40	7 8	3.1 B	20

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
GGG Consultants, Inc.

SOIL BORING LOG

Page 1 of 1

Date 7/28/22

ROUTE Illinois Route 68 DESCRIPTION Culvert and Retaining Walls LOGGED BY AA

SECTION LOCATION IL 68 at Salt Creek, SEC. , TWP. , RNG. ,
Latitude , Longitude

COUNTY Cook DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 016-2302
Station
BORING NO. RWB-1
Station 24+50.39
Offset 2.69ft LT
Ground Surface Elev. 768.19 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft
Groundwater Elev.:
First Encounter None ft
Upon Completion N/A ft
After Hrs. N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6 inches of Asphalt	767.69				
2 inches of Sand subbase	767.53				
Black and Brown, Moist FILL: SILTY CLAY, trace gravel, little sand			6		
			4 6	3.3 B	11
	764.19		3		
Stiff to Hard Brown and Gray, Moist SILTY CLAY, trace gravel, trace sand (CL/ML)		-5	3 6	2.9 B	20
			4		
			5 7	5.2 B	19
			3		
		-10	5 7	2.1 B	20
			4		
			5 10	4.6 B	20
			3		
		-15	5 8	1.9 B	19
	752.69				
Stiff Gray, Moist SILTY CLAY, trace gravel, trace sand (CL/ML)			2		
			3 5	1.5 B	19
			2		
		-20	3 4	1.7 B	21

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff Gray, Moist SILTY CLAY, trace gravel, trace sand (CL/ML) *(continued)*			2		
			4 7	1.9 B	18
			5		
			6 7	1.5 B	16
End of Boring	743.19	-25			
		-30			
		-35			
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS I
STRUCTURE NO. 016-2302
SHEET S13 OF S14 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	52
		CONTRACT NO. 62R73		
		ILLINOIS FED. AID PROJECT		

1/24/2025 7:13:59 PM

Illinois Department of Transportation
Division of Highways
GGG Consultants, Inc.

SOIL BORING LOG

Page 1 of 1

Date 7/28/22

ROUTE Illinois Route 68 DESCRIPTION Culvert and Retaining Walls LOGGED BY AA

SECTION LOCATION IL 68 at Salt Creek, SEC. , TWP. , RNG. ,
Latitude , Longitude

COUNTY Cook DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 016-2302
Station
BORING NO. RWB-2
Station 24+96.77
Offset 0.17ft LT
Ground Surface Elev. 768.20 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft
Groundwater Elev.:
First Encounter None ft
Upon Completion N/A ft
After Hrs. N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6 inches of Asphalt / 2 inches of Sand subbase	767.70 / 767.54				
Black and Brown, Moist FILL: SILTY CLAY, little gravel, little sand			5		
			5	2.3	17
			5	B	
			3		
			4	1.0	25
		-5	6	B	
Stiff to Very Stiff Brown and Gray, Moist SILTY CLAY, trace gravel, trace sand (CL/ML)	762.20		3		
			5	2.7	18
			6	B	
			3		
			4	1.9	22
		-10	4	B	
Stiff to Very Stiff Gray, Moist SILTY CLAY, trace gravel (CL/ML)	756.70		5		
			6	3.1	18
			9	B	
			3		
			5	2.9	18
		-15	7	B	
			3		
			3	1.0	20
			5	B	
			2		
			4	2.7	16
		-20	6	B	
Stiff to Very Stiff Gray, Moist SILTY CLAY, trace gravel (CL/ML) *(continued)*			2		
			4	2.9	18
			6	B	
			3		
			4	2.7	17
	743.20	-25	6	B	
End of Boring					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
GGG Consultants, Inc.

SOIL BORING LOG

Page 1 of 1

Date 7/28/22

ROUTE Illinois Route 68 DESCRIPTION Culvert and Retaining Walls LOGGED BY AA

SECTION LOCATION IL 68 at Salt Creek, SEC. , TWP. , RNG. ,
Latitude , Longitude

COUNTY Cook DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 016-2302
Station
BORING NO. RWB-3
Station 25+79.49
Offset 0.59ft LT
Ground Surface Elev. 768.21 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft
Groundwater Elev.:
First Encounter None ft
Upon Completion N/A ft
After Hrs. N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6 inches of Asphalt / 2 inches of Sand subbase	767.71 / 767.55				
Black, Brown and Dark Gray, Moist FILL: SILTY CLAY, trace gravel, trace sand			6		
			4	3.1	15
			3	B	
			2		
			2	1.3	26
		-5	2	B	
			2		
			2	0.8	32
			2	B	
			2		
			2	2.1	26
		-10	3	B	
Medium Stiff to Stiff Brown and Gray, Moist to Very Moist SILTY CLAY, trace gravel, trace sand (CL/ML)	757.21		2		
			2	1.5	25
			3	B	
			1		
			2	0.8	31
	753.21	-15	4	B	
Very Stiff Gray, Moist to Very Moist SILTY CLAY, trace gravel (CL/ML)			2		
			3	2.3	21
			5	B	
			2		
			5	2.5	20
		-20	5	B	
Very Stiff Gray, Moist to Very Moist SILTY CLAY, trace gravel (CL/ML) *(continued)*			2		
			5	2.3	19
			6	B	
			3		
			5	3.1	23
	743.21	-25	7	B	
End of Boring					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
GGG Consultants, Inc.

SOIL BORING LOG

Page 1 of 1

Date 7/29/22

ROUTE Illinois Route 68 DESCRIPTION Culvert and Retaining Walls LOGGED BY AA

SECTION LOCATION IL 68 at Salt Creek, SEC. , TWP. , RNG. ,
Latitude , Longitude

COUNTY Cook DRILLING METHOD HSA HAMMER TYPE AUTO

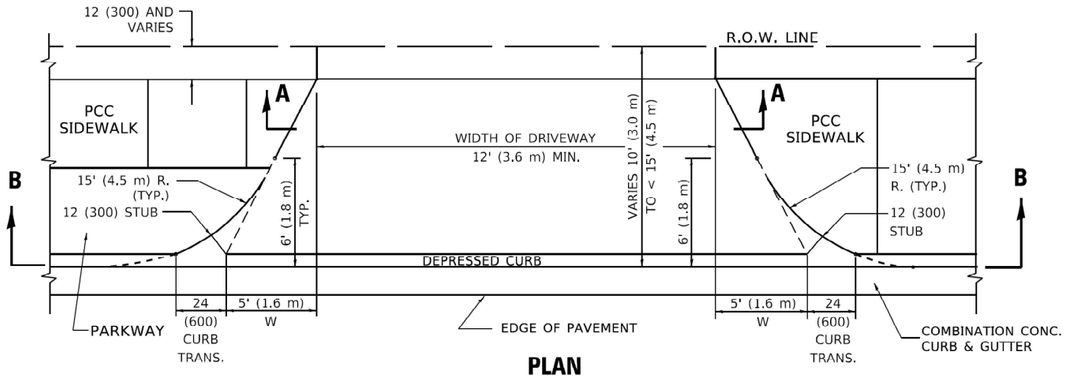
STRUCT. NO. 016-2302
Station
BORING NO. RWB-4
Station 26+36.13
Offset 10.62ft RT
Ground Surface Elev. 769.06 ft

Surface Water Elev. N/A ft
Stream Bed Elev. N/A ft
Groundwater Elev.:
First Encounter None ft
Upon Completion N/A ft
After Hrs. N/A ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6 inches of Asphalt / 2 inches of Sand subbase	768.56 / 768.40				
Dark Gray, Brown and Black, Moist FILL: SILTY CLAY, trace gravel, little sand			10		
			5	3.5	15
			5	B	
			2		
			4	2.7	21
		-5	5	B	
Hard Brown and Gray, Moist SILTY CLAY, trace gravel, trace sand (CL/ML)	763.06		4		
			7	5.0	19
			9	B	
			4		
			8	7.7	18
		-10	12	B	
			3		
			6	4.2	22
			9	B	
			3		
			6	6.0	20
		-15	8	B	
Very Stiff Gray, Moist SILTY CLAY, trace gravel (CL/ML)	753.06		2		
			4	2.9	20
			5	B	
			2		
			4	2.3	19
		-20	6	B	
Very Stiff Gray, Moist SILTY CLAY, trace gravel (CL/ML) *(continued)*			3		
			4	2.9	20
			6	B	
			3		
			5	2.9	19
	744.06	-25	8	B	
End of Boring					

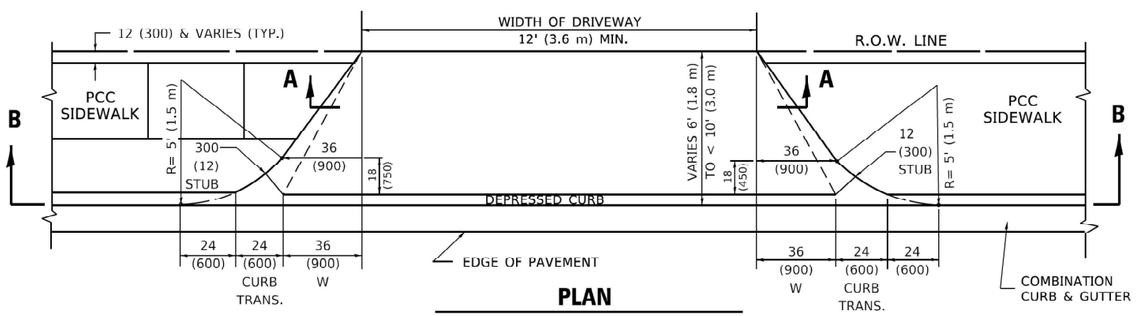
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



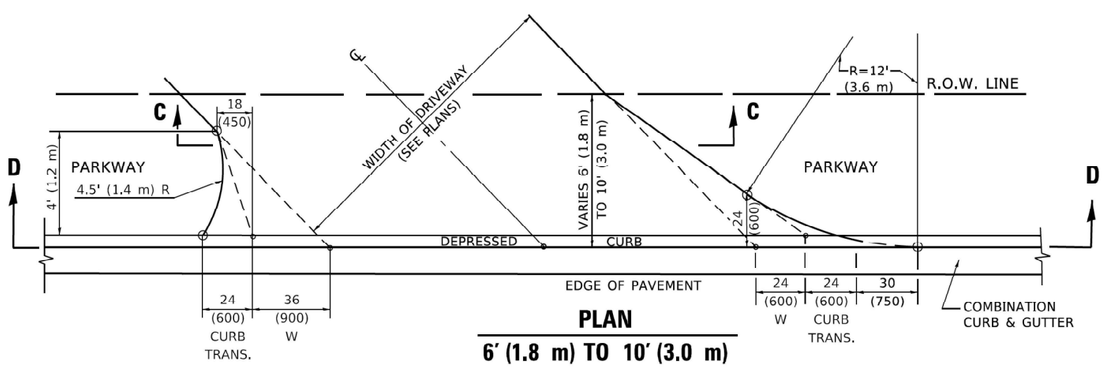
PLAN

10' (3.0 m) TO < 15' (4.5 m)



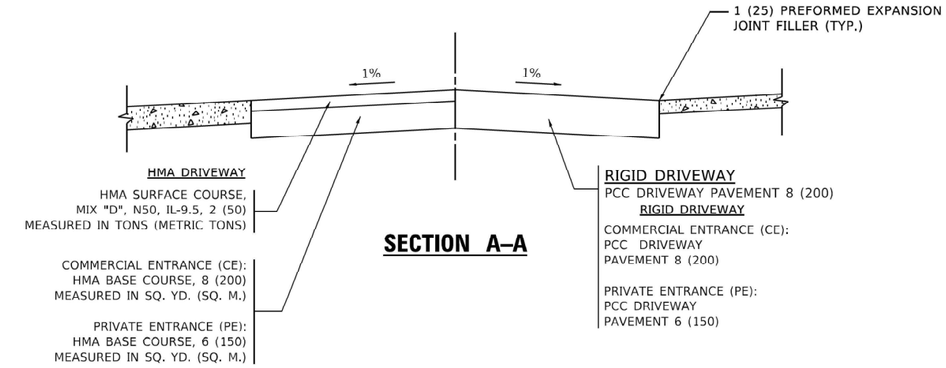
PLAN

6' (1.8 m) TO < 10' (3.0 m)

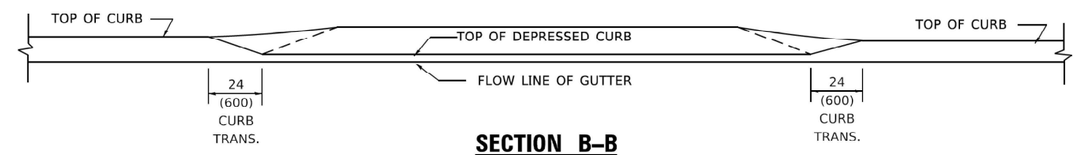


PLAN

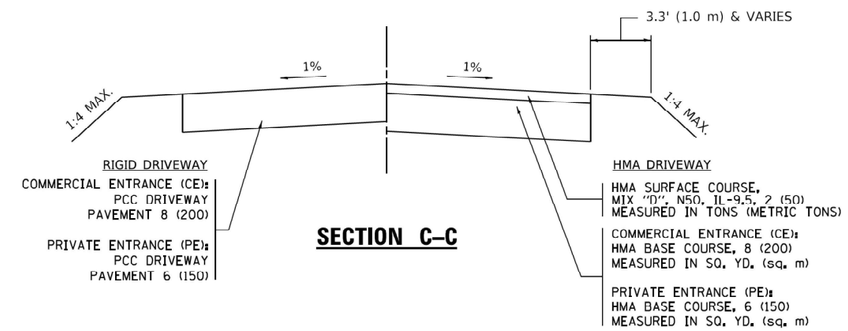
6' (1.8 m) TO 10' (3.0 m)



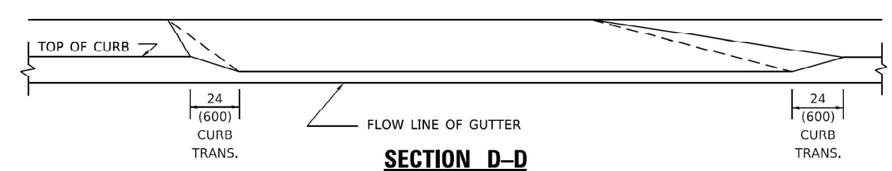
SECTION A–A



SECTION B–B



SECTION C–C



SECTION D–D

GENERAL NOTES

1. DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.
2. WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE PCC SIDEWALK SHALL EXTEND TO THE BACK OF CURB.
3. "W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

ORION ENGINEERS

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	DRAWN - MBC	REVISED -	
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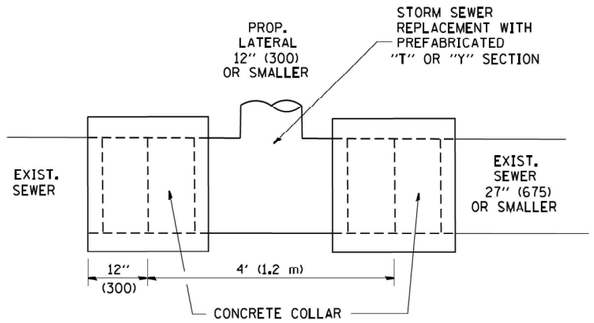
PLOT DATE = 12/12/2024	DATE - 12/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15'(4.5m)

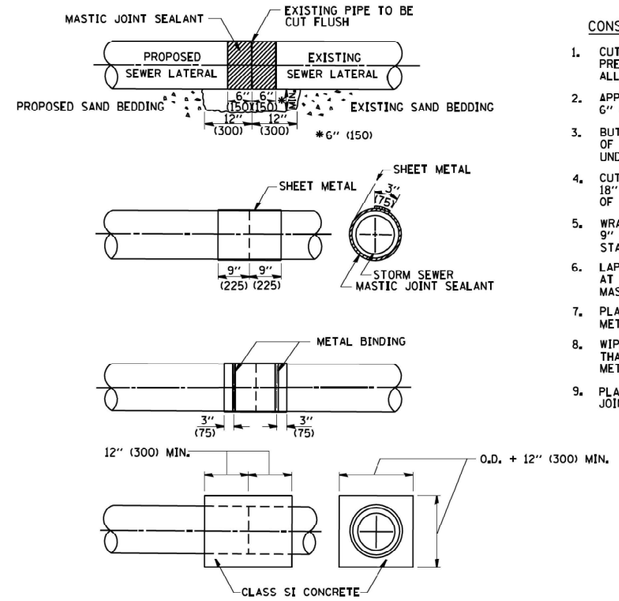
SCALE: N.T.S | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	54
BD400–02 (BD–02)		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER

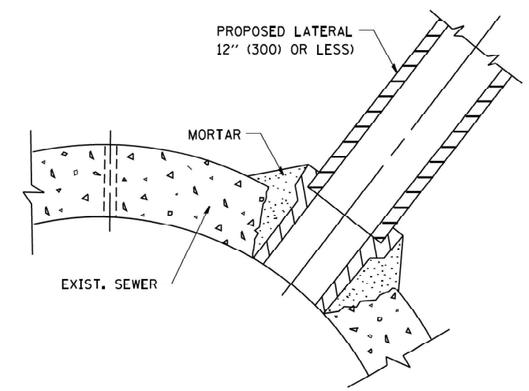


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES. 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:

A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".

B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

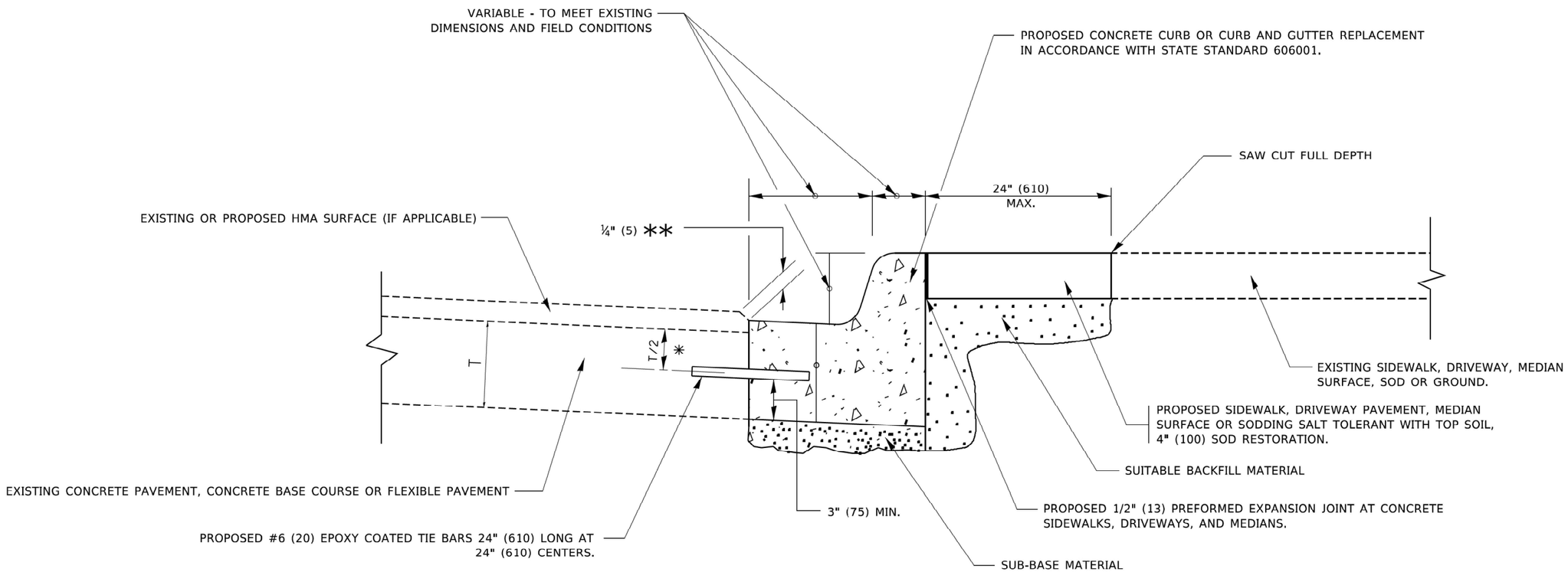
TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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PLOT DATE = 12/12/2024	DATE - 12/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

SCALE: N.T.S | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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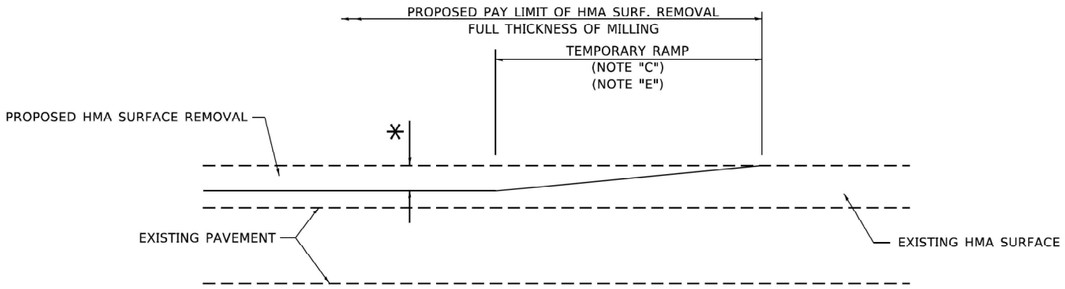
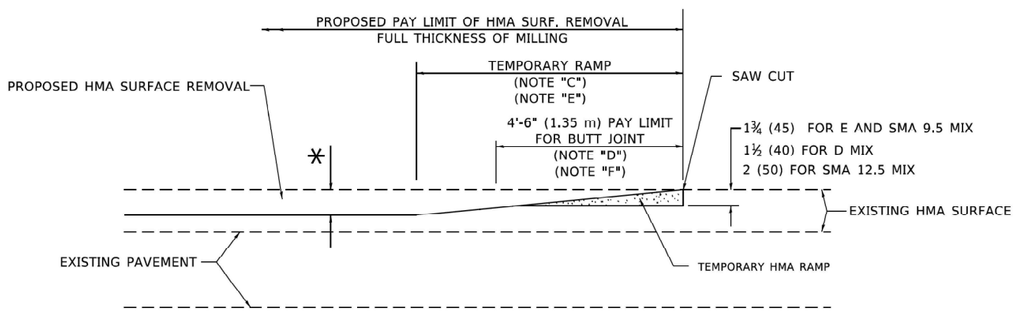
	BD600-06 BD-24	CONTRACT NO. 62R73		
	ILLINOIS FED. AID PROJECT			



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

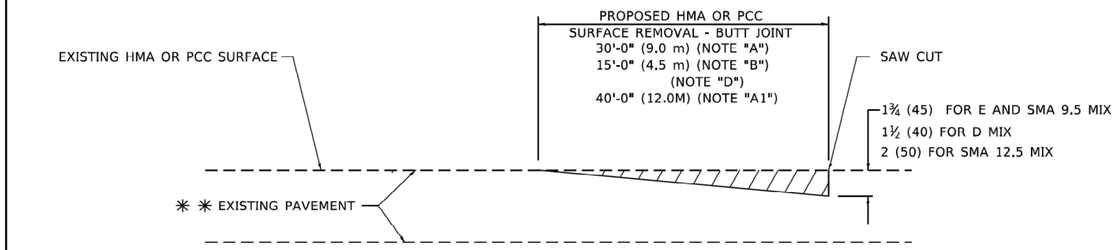


HMA CONSTRUCTED TEMPORARY RAMP

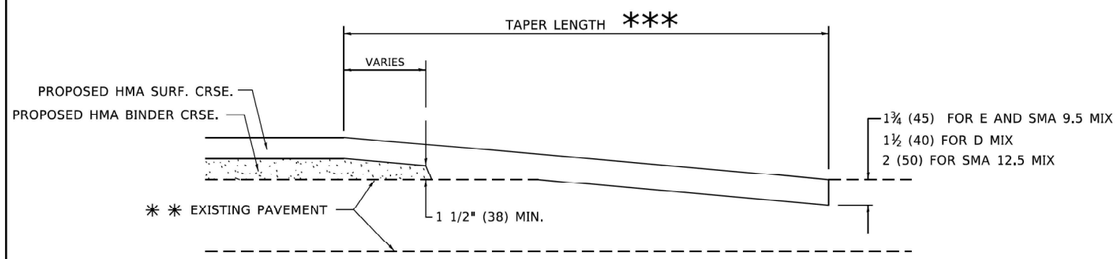
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



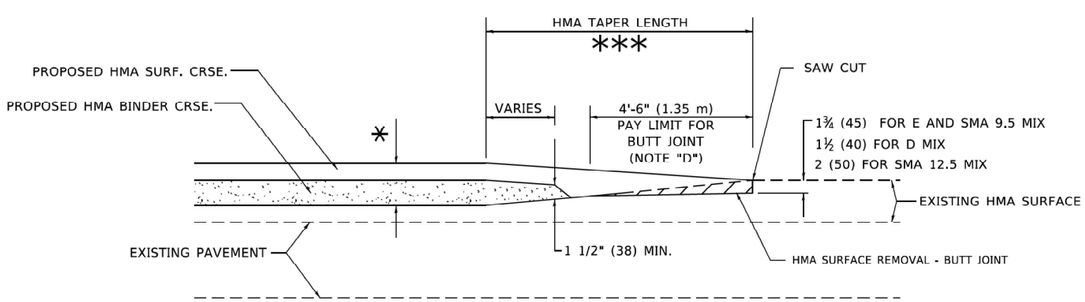
BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

GENERAL NOTES

A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.

A1. INTERSTATES

B. MINOR SIDE ROADS.

C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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ORION ENGINEERS

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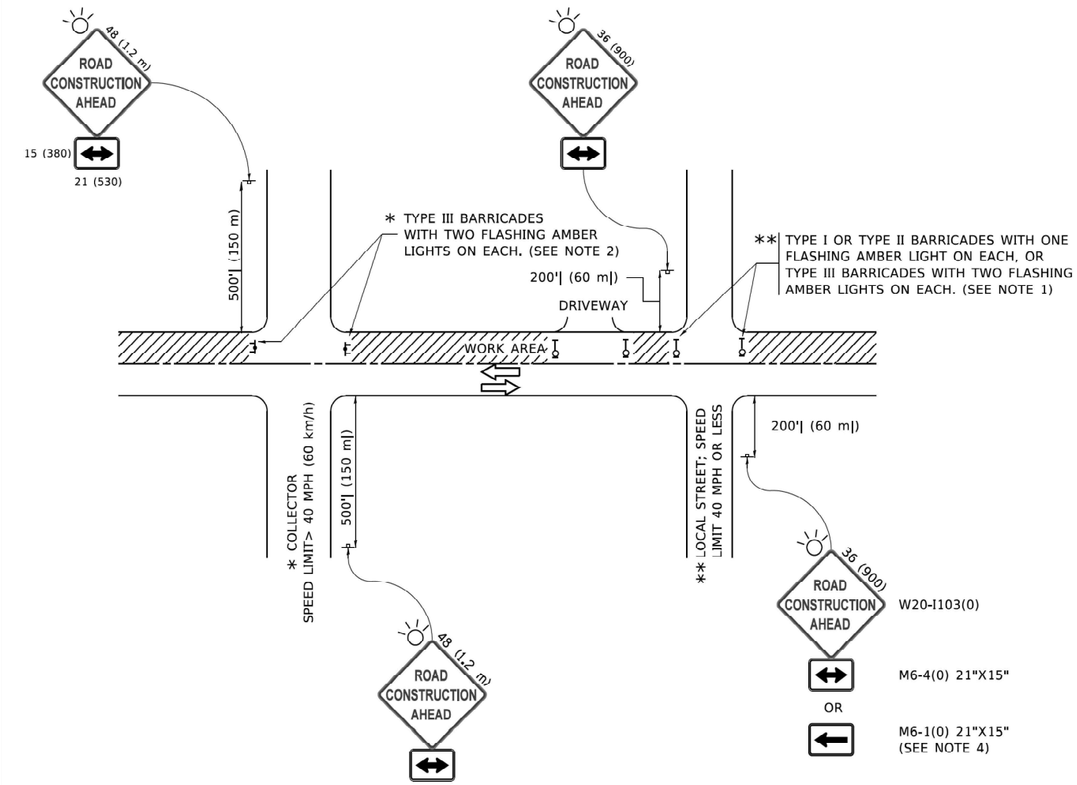
PLOT DATE = 12/12/2024	DATE - 12/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
HMA TAPER DETAILS

SCALE: N.T.S | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	57
	BD400-05 BD-32	CONTRACT NO. 62R73		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.

6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.

7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

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ORION ENGINEERS

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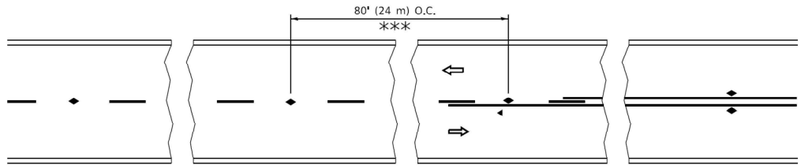
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: N.T.S | SHEET 1 OF 1 SHEETS | STA. TO STA.

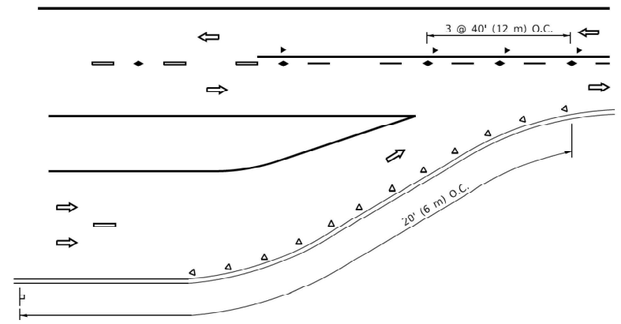
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	58
	TC-10	CONTRACT NO. 62R73		
	ILLINOIS	FED. AID PROJECT		



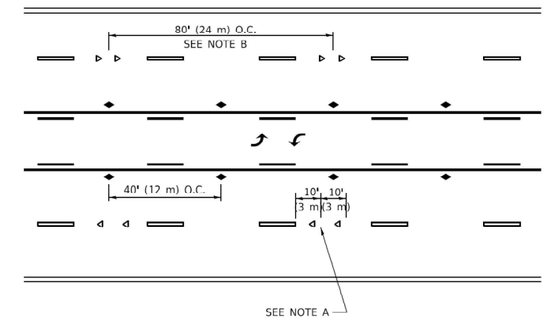
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO–LANE/TWO–WAY

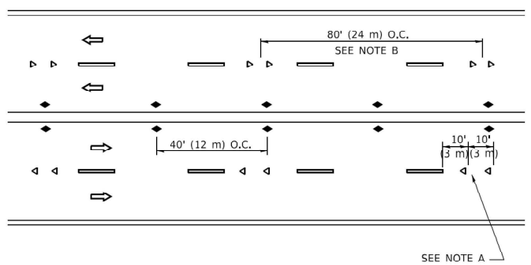
SEE FIGURE 3B-14 MUTCD



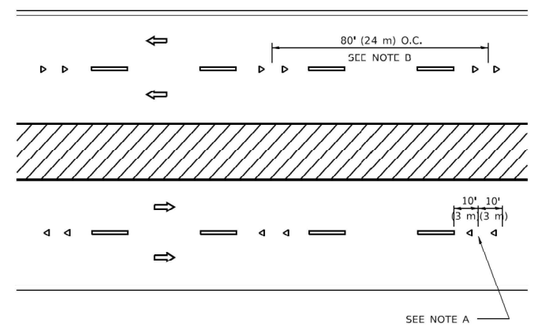
LANE REDUCTION TRANSITION



TWO–WAY LEFT TURN



MULTI–LANE/UNDIVIDED



MULTI–LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

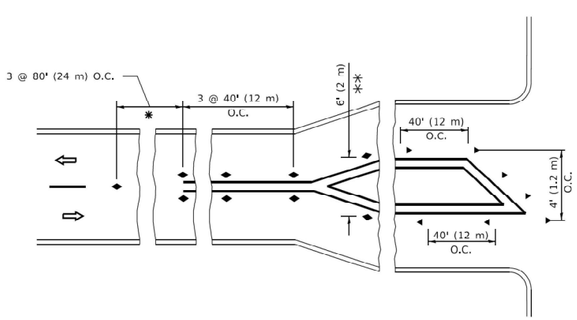
LANE MARKER NOTES

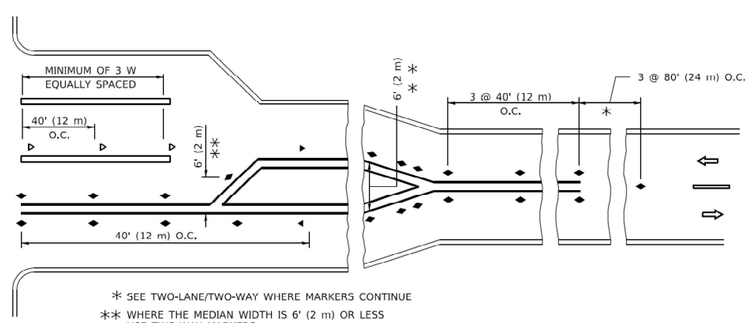
A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.





* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

TURN LANES

All dimensions are in inches (millimeters) unless otherwise shown.

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ORION ENGINEERS

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PLOT DATE = 12/12/2024	DATE - 12/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAISED REFLECTIVE PAVEMENT MARKERS
(SLOW – PLOW RESISTANCE)

SCALE: N.T.S | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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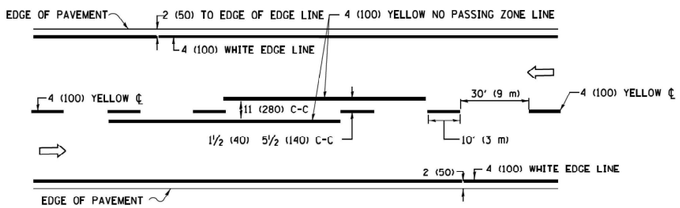
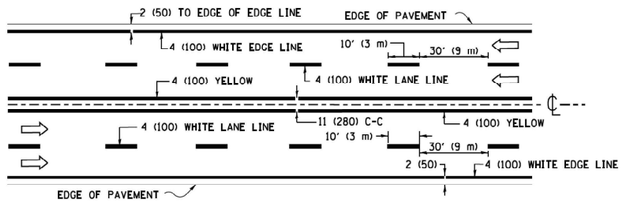
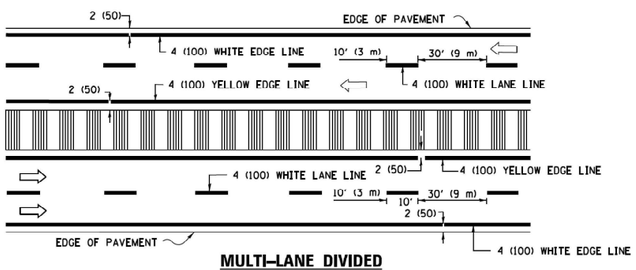
	TC–11	CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	



2–LANE ROADWAY

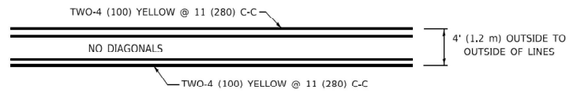


MULTI–LANE UNDIVIDED

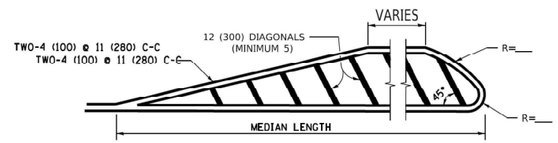


MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING



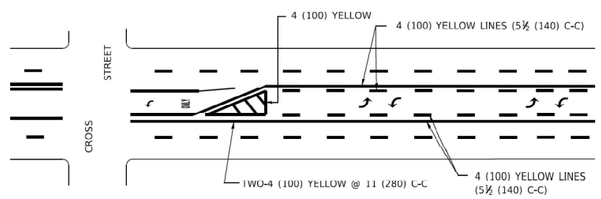
4' (1.2 m) WIDE MEDIANS ONLY



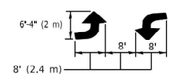
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

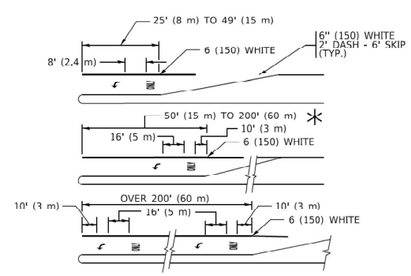


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

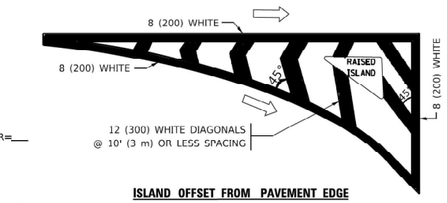


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

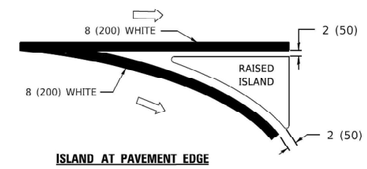
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

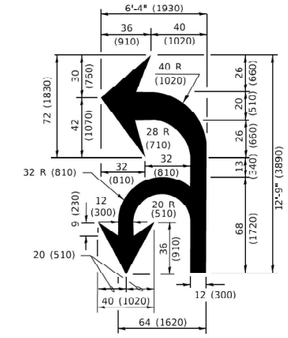


ISLAND OFFSET FROM PAVEMENT EDGE

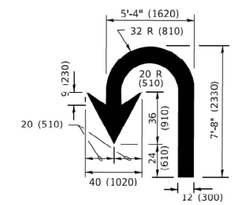


ISLAND AT PAVEMENT EDGE

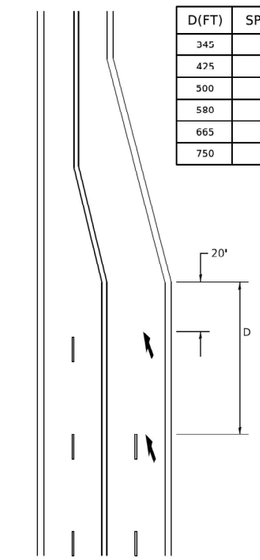
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



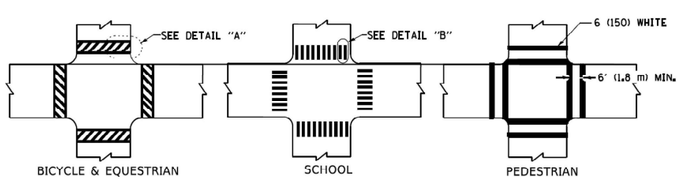
U–TURN

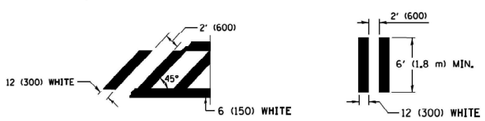


D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.





DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

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ORION ENGINEERS

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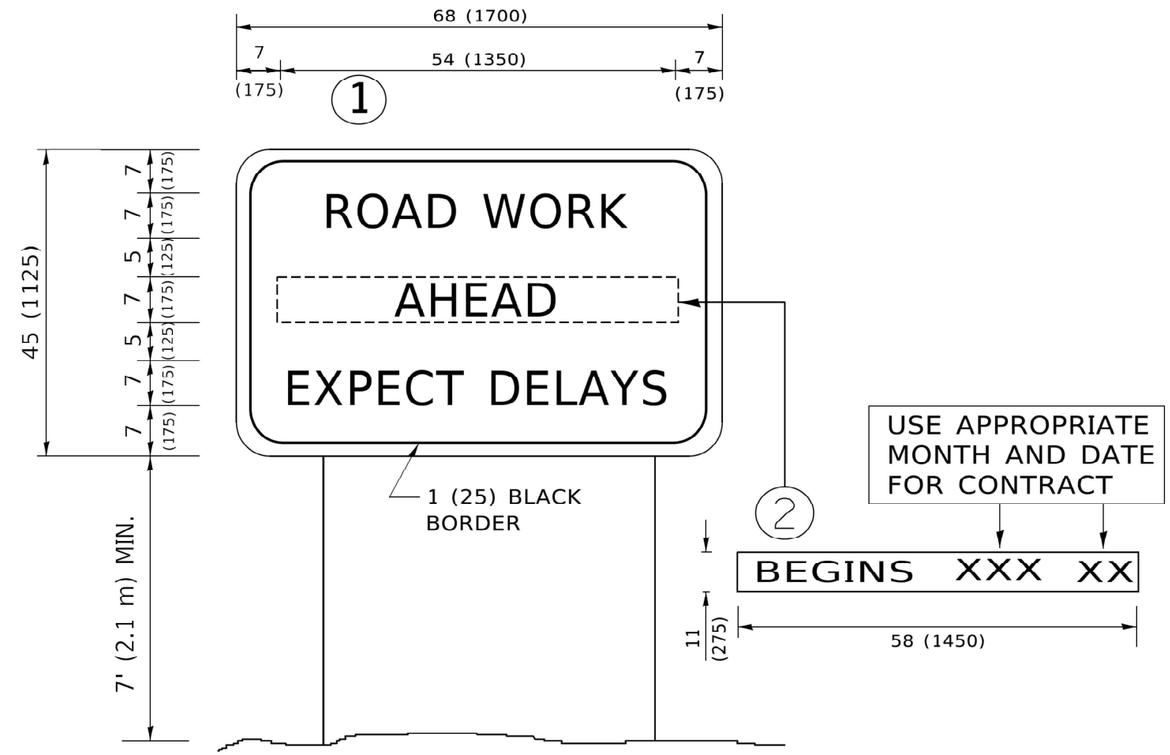
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: N.T.S | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	60
	TC–13	CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN 1 WITH INSTALLED PANEL 2 ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL 2 SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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ORION ENGINEERS

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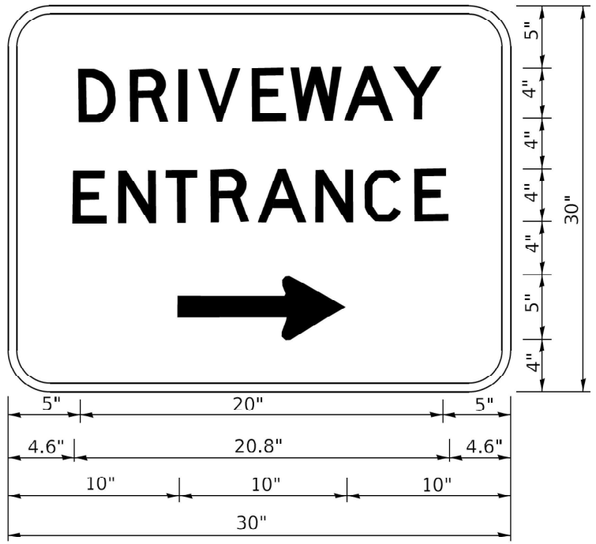
PLOT DATE = 12/12/2024	DATE - 12/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

SCALE: N.T.S | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	61
	TC–22	CONTRACT NO. 62R73		
	ILLINOIS	FED. AID PROJECT		



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

ORION ENGINEERS

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	DRAWN - MBC	REVISED -	
PLOT SCALE = 0.1667 ' / in.	CHECKED - LJ	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

SCALE: N.T.S | SHEET 1 OF 1 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	62
	TC-26	CONTRACT NO. 62R73		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

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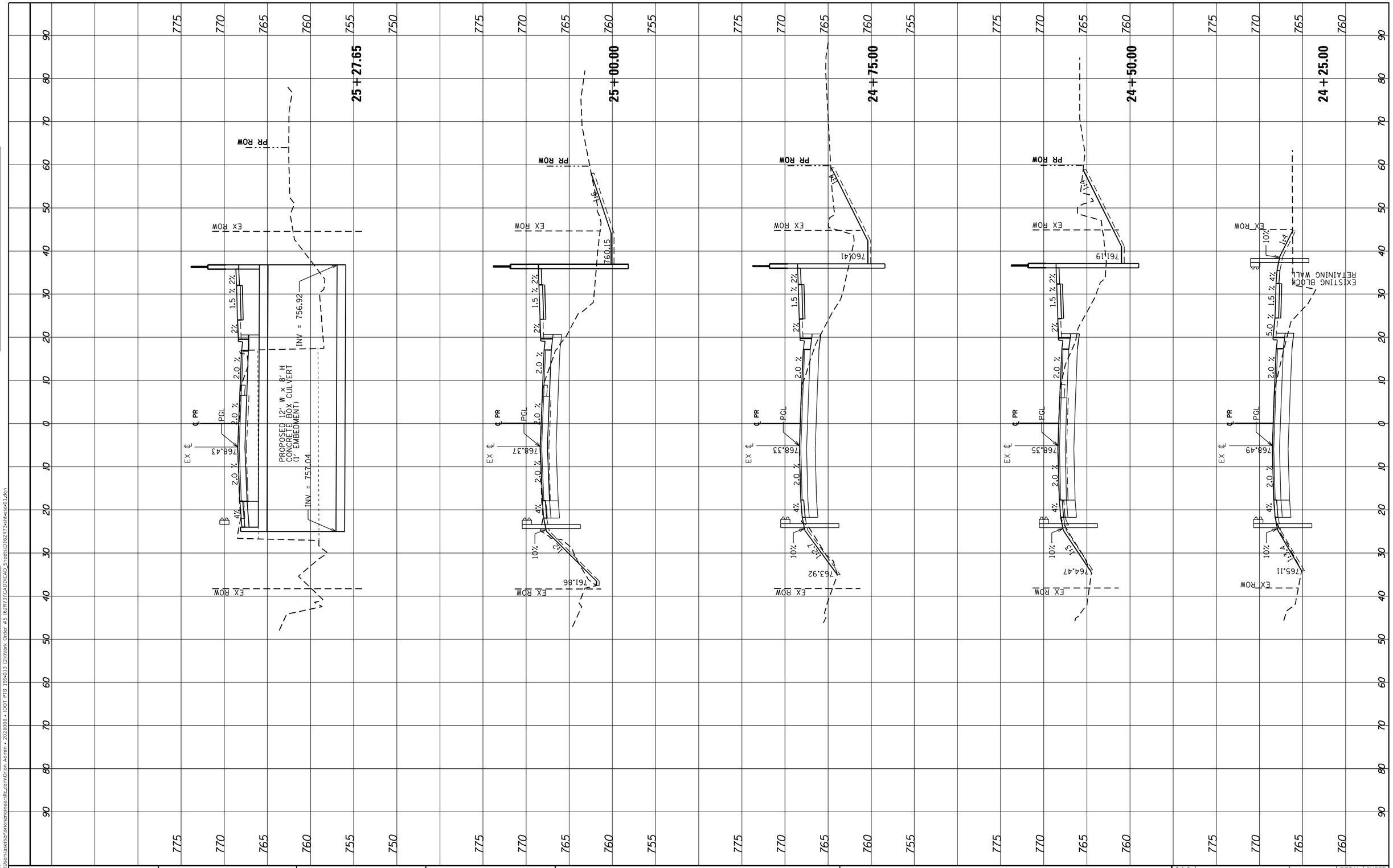
PLOT DATE = 12/12/2024	DATE - 12/16/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: _____ SHEET 1 OF 5 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	63
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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ORION ENGINEERS

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	DRAWN - MBC	REVISED -	
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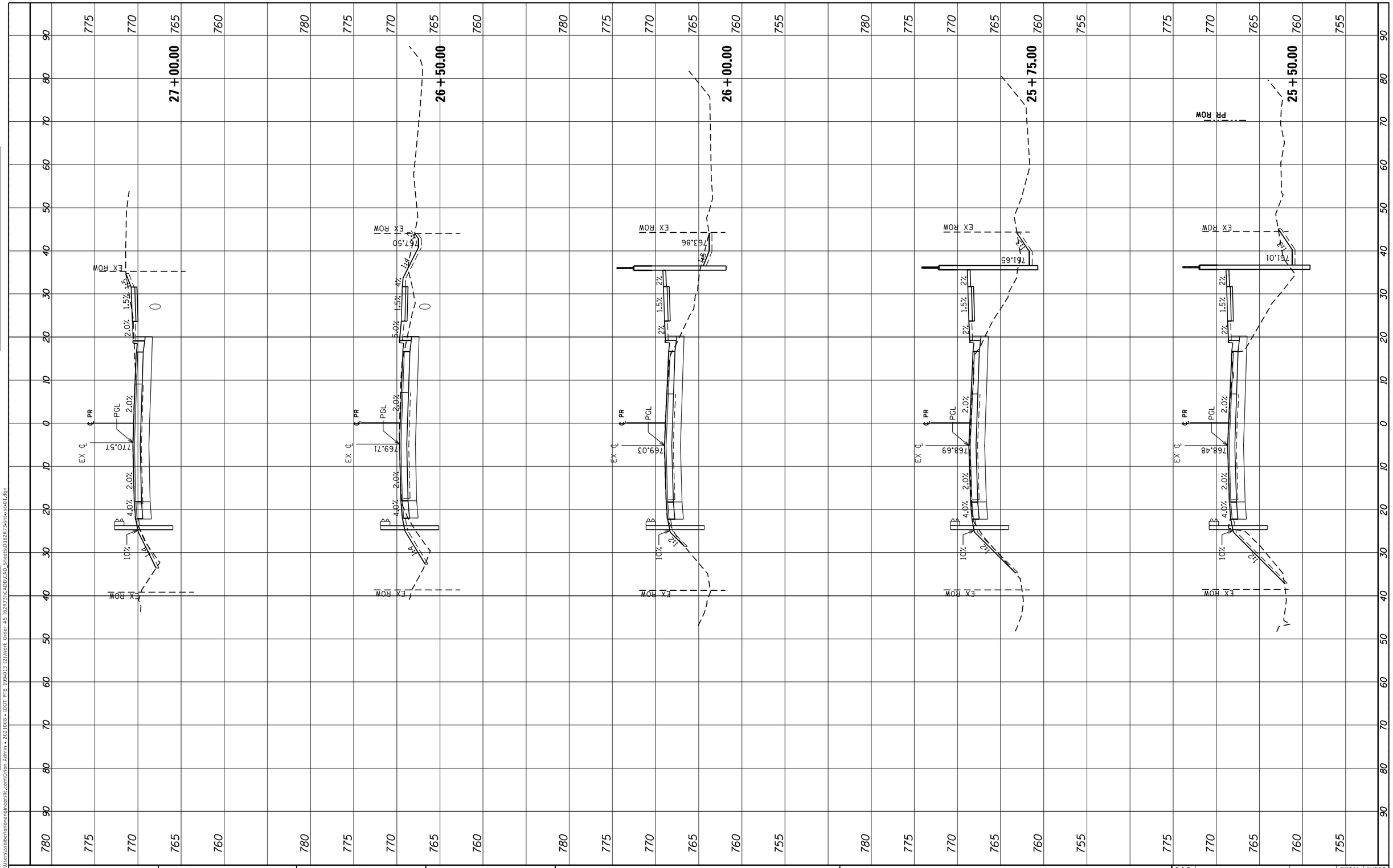
PLOT DATE = 12/12/2024	DATE - 12/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: _____ SHEET 2 OF 5 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	64
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

MODEL: Default
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ORION ENGINEERS

USER NAME = aselber	DESIGNED - MBC	REVISED -	
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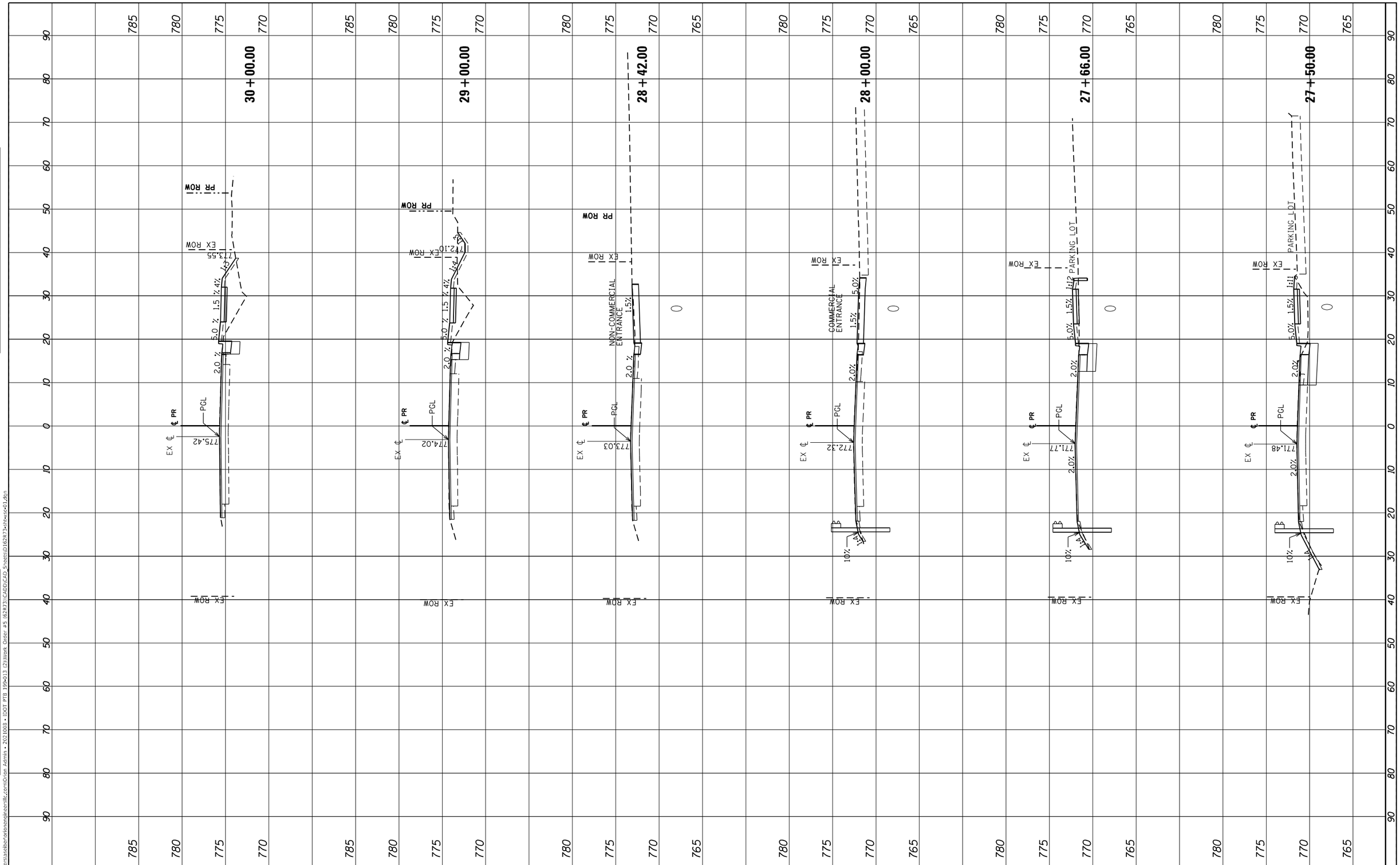
PLOT SCALE = 20.0000 ' / in.	CHECKED - LJ	REVISED -	
PLOT DATE = 12/12/2024	DATE - 12/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: _____ SHEET 3 OF 5 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	65
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

MODEL: Default
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ORION ENGINEERS

USER NAME = aselber	DESIGNED - MBC	REVISED -	
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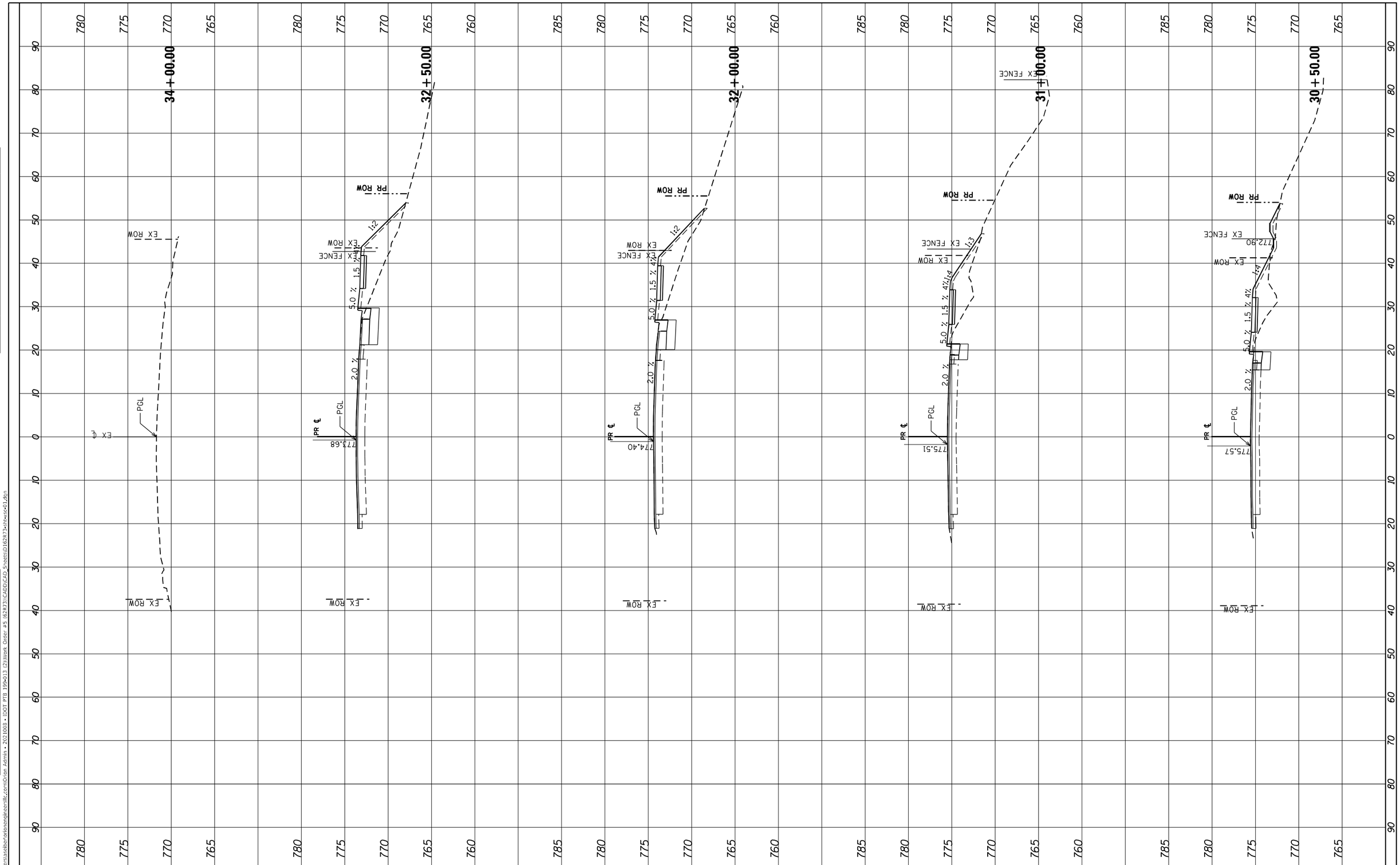
PLOT SCALE = 20.0000 ' / in.	CHECKED - LJ	REVISED -	
PLOT DATE = 12/12/2024	DATE - 12/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: _____ SHEET 4 OF 5 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	66
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
NO.		

MODEL: Default
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ORION ENGINEERS

USER NAME = aseiber	DESIGNED - MBC	REVISED -	
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PLOT SCALE = 20.0000 ' / in.	CHECKED - LJ	REVISED -	
PLOT DATE = 12/12/2024	DATE - 12/16/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
F.A.P. ROUTE 343 (IL 68) OVER SALT CREEK

SCALE: _____ | SHEET 5 OF 5 SHEETS | STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	FAP 343 22 CULVERT	COOK	67	67
		CONTRACT NO. 62R73		
		ILLINOIS	FED. AID PROJECT	