

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-1	LAKE	290	1
		ILLINOIS	CONTRACT NO. 62B65	

D-91-086-16

PROJECT LOCATED IN THE CITY OF LAKE FOREST
FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION

NA

TRAFFIC DATA

	EXISTING ADT (2015)	SPEED DESIGN/POSTED
DEERPATH RD (WEST OF US 41)	9,750	35/35
DEERPATH RD (EAST OF US 41)	11,900	35/35
US 41 NB EXIT RAMP	2,000	N/A/55
US 41 NB ENTRANCE RAMP	1,150	N/A/55
US 41 SB EXIT RAMP	600	N/A/55
US 41 SB ENTRANCE RAMP	1,900	N/A/55

PROPOSED HIGHWAY PLANS

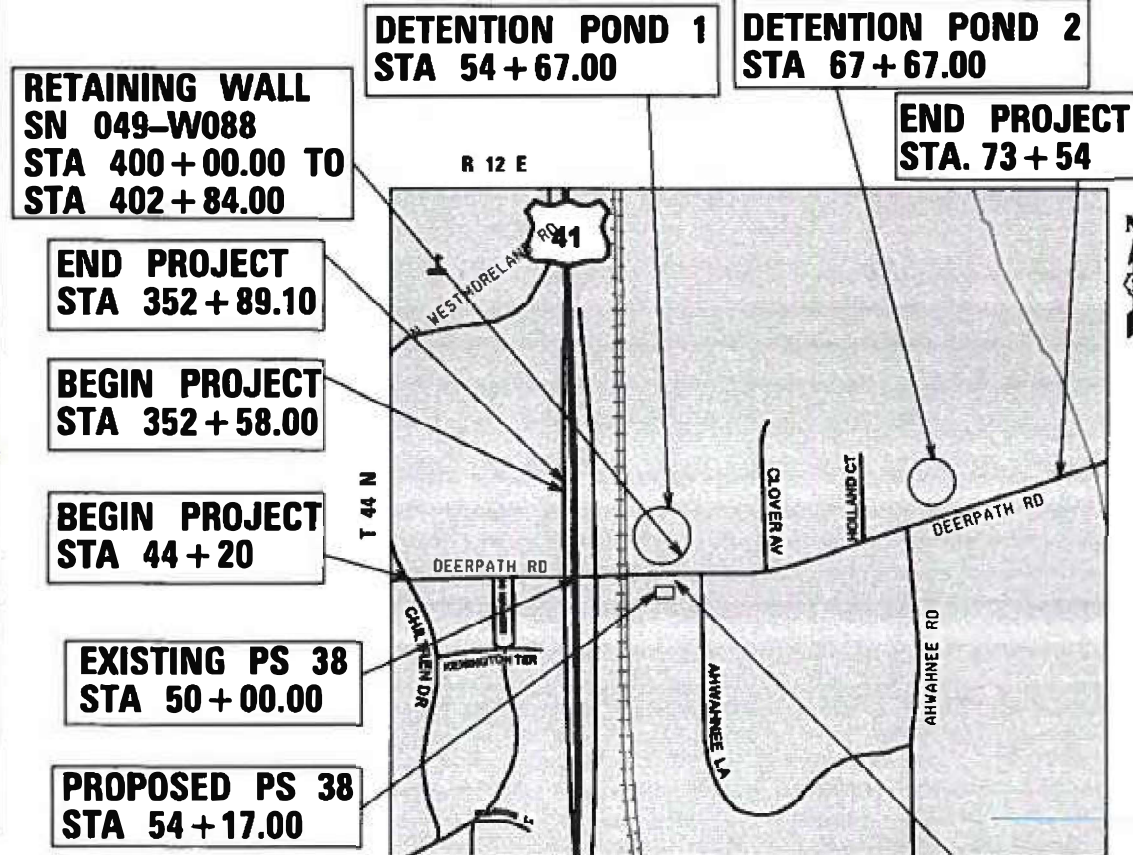
FAP 346 (US ROUTE 41) AT DEERPATH ROAD
SECTION (21&21S)-1



LOCATION OF SECTION INDICATED THUS: --

PUMP STATION 38, DRAINAGE, RETAINING WALL & UTILITY ADJUSTMENTS LAKE COUNTY C-91-086-16

<p>KNIGHT E/A, INC. Date: <u>06-10-2020</u> <i>R.F. Mack</i> Expires: November 30, 2021 Sheet No.: 1-102, 105-117, 135-164</p>	<p>KNIGHT E/A, INC. Date: <u>06-09-2020</u> <i>Roxanne M. Knapp</i> Expires: November 30, 2020 Sheet No.: 165-179</p>
<p>KNIGHT E/A, INC. Date: <u>6/10/2020</u> <i>Trisha E. Butcher</i> Expires: November 30, 2020 Sheet No.: 126-134, 180-219</p>	<p>KNIGHT E/A, INC. Date: <u>06-09-2020</u> <i>Jeffrey B. Bedell</i> Expires: November 30, 2021 Sheet No.: 238-290</p>
<p>KNIGHT E/A, INC. Date: <u>6/10/2020</u> <i>Frank J. Williams</i> Expires: November 30, 2020 Sheet No.: 120-125</p>	<p>DELTA ENGINEERING GROUP, LLC. Date: <u>06-09-2020</u> <i>Mourad Djerri</i> Expires: November 30, 2021 Sheet No.: 220-237</p>
<p>GEWALT HAMILTON AND ASSOCIATES, INC. Date: <u>6/11/2020</u> <i>Daniel J. Strain</i> Expires: November 30, 2021 Sheet No.: 103-104</p>	
<p>CHASTAIN AND ASSOCIATES LLC Date: <u>6/11/2020</u> <i>Janice K. Pang</i> Expires: November 30, 2021 Sheet No.: 118-119</p>	



LOCATION MAP

GROSS LENGTH = 2934 FT. = 0.56 MILES
NET LENGTH = 2934 FT. = 0.56 MILES

Plans Prepared By:
KNIGHT
Engineers & Architects
221 North LaSalle Street
Suite 300
Chicago, IL 60601-1211
Phone: (312) 577-3300

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED JUNE 22 2020
[Signature]
REGIONAL ENGINEER
August 14, 2020
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT
August 14, 2020
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROJECT MANAGER - BRIAN KUTTAB, P.E. (847) 705-4431

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 EXCAVATION
1-800-892-0123
OR 811

MEADE ELECTRIC CO. DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES
773-287-7672

PROJECT MANAGER - BRIAN KUTTAB
CONTRACT NO. 62B65

INDEX OF SHEETS

SHEET	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS
3	HIGHWAY STANDARDS
4 - 5	GENERAL NOTES
6 - 23	SUMMARY OF QUANTITIES
24 - 25	TYPICAL SECTIONS
26	TYPICAL SECTIONS - HMA MIXTURE REQUIREMENTS TABLE
27 - 32	SCHEDULES OF QUANTITIES
33 - 37	ALIGNMENT, TIES AND BENCHMARKS
38 - 43	EXISTING CONDITIONS AND REMOVAL PLANS AND DETAILS
44 - 46	PLAN AND PROFILE
47	MAINTENANCE OF TRAFFIC - GENERAL NOTES
48	MAINTENANCE OF TRAFFIC - SUGGESTED CONSTRUCTION SEQUENCING
49	MAINTENANCE OF TRAFFIC - DETAILS
50 - 52	MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
53 - 54	MAINTENANCE OF TRAFFIC PLANS - STAGE 1A
55 - 56	MAINTENANCE OF TRAFFIC PLANS - STAGE 1B
57 - 58	MAINTENANCE OF TRAFFIC PLANS - STAGE 2
59 - 60	MAINTENANCE OF TRAFFIC PLANS - STAGE 3
61 - 62	MAINTENANCE OF TRAFFIC PLANS - DETOUR
63	EROSION AND SEDIMENT CONTROL - NOTES
64 - 65	EROSION AND SEDIMENT CONTROL - PLANS
66	EROSION AND SEDIMENT CONTROL - DETAILS
67 - 70	DETENTION POND DETAILS
71 - 73	PUMP STATION 38 SITE PLANS
74 - 79	SIDEWALK PLANS
80 - 85	ADA RAMP DETAILS
86	DRAINAGE AND UTILITIES - GENERAL NOTES
87 - 89	DRAINAGE AND UTILITIES - EXISTING STRUCTURE SCHEDULE
90 - 91	DRAINAGE AND UTILITIES - EXISTING PLAN
92 - 94	DRAINAGE AND UTILITIES - PROPOSED SCHEDULE
95 - 98	DRAINAGE AND UTILITIES - PROPOSED PLAN AND PROFILE
99 - 101	DRAINAGE AND UTILITIES - DETAILS
102	DRAINAGE AND UTILITIES - UNION PACIFIC RAIL ROAD STORM SEWER REQUIREMENTS DETAILS
103 - 104	DEERPATH PUMP STATION WATERMAIN RELOCATION
105 - 110	PLAT OF HIGHWAYS
111 - 112	EXISTING ROADWAY SIGNS AND PAVEMENT MARKING PLANS
113 - 115	PROPOSED ROADWAY SIGNS AND PAVEMENT MARKING PLANS
116 - 117	PERMANENT SEEDING PLANS
118 - 119	SN 049-0033 - DECK DRAINAGE SYSTEM
120	SN 049-0033 - BRIDGE RETAINING WALL MODIFICATIONS

SHEET	DETAILS
121 - 125	SN 049-0033 - EXISTING STRUCTURE PLANS
126 - 129	RETAINING WALL SN 049-W088
130 - 134	RETAINING WALL SN 049-W089
135 - 136	SOIL BORINGS PLAN AND PROFILE
137 - 145	SOIL BORINGS LOGS
146	DETAIL D1 BD-08 DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
147	DETAIL D1 BD-22 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
148	DETAIL D1 BD-24 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
149	DETAIL D1 BD-32 BUTT JOINT AND HMA TAPER DETAILS
150	DETAIL D1 BD-33 HMA TAPER AT EDGE OF P.C.C. PAVEMENT
151	DETAIL D1 BD-37 MANHOLE TYPE A 7 FOOT DIAMETER
152	DETAIL D1 TC-08 ENTRANCE AND EXIT RAMP CLOSURE DETAILS
153	DETAIL D1 TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
154	DETAIL D1 TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
155	DETAIL D1 TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
156	DETAIL D1 TC-16 SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
157	DETAIL D1 TC-17 TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
158	DETAIL D1 TC-21 DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
159	DETAIL D1 TC-22 ARTERIAL ROAD INFORMATION SIGN
160	DETAIL D1 TC-26 DRIVEWAY ENTRANCE SIGNING
161	LAKE FOREST DETAIL 5.04 WATER SERVICE DETAIL AND 2.12 SIDEWALK DETAIL
162 - 164	CROSS SECTIONS

PUMP STATION 38

165 - 179	ARCHITECTURAL PLANS
180 - 219	STRUCTURAL PLANS
220 - 229	MECHANICAL PLANS
230 - 237	HEATING AND VENTILATION PLANS
238 - 265	ELECTRICAL PLANS
266 - 290	INSTRUMENT AND CONTROL PLANS

FILE NAME = L:\7355\QA\Drawings\General\162865-shs-gmnsa01-index.dgn

	USER NAME = c1iss	DESIGNED DGB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN CEL	REVISIONS	346					(21&215)-I	LAKE	290	2	
	PLOT SCALE = 1:2	CHECKED JWM	REVISIONS		230 - 237	SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT			
	PLOT DATE = 6/25/2020	DATE 06/26/20	REVISIONS		266 - 290							CONTRACT NO. 62B65

IDOT HIGHWAY STANDARDS

STANDARD NO.	TITLE
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-09	PAVEMENT JOINTS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-04	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-05	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375MM) THRU 84" (2100MM) DIAMETER
602001-02	CATCH BASIN, TYPE A
602301-04	INLET, TYPE A
602401-06	PRECAST MANHOLE, TYPE A 4' (1.22M) DIAMETER
602402-02	PRECAST MANHOLE, TYPE A 5' (1.52M) DIAMETER
602406-10	PRECAST MANHOLE, TYPE A 6' (1.8M) DIAMETER
602411-08	PRECAST MANHOLE, TYPE A 7' (2.1M) DIAMETER
602416-08	PRECAST MANHOLE, TYPE A 8' (2.44M) DIAMETER
602426-02	PRECAST MANHOLE, TYPE A 10' (3.05M) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS, TYPE 1
604036-03	GRATE, TYPE 8
604056-04	FRAME AND GRATE, TYPE 11V
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
643001-02	SAND MODULE IMPACT ATTENUATORS
664001-02	CHAIN LINK FENCE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701321-18	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
814001-03	HANDHOLES

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REV-SEP

	USER NAME = JMT\jmt	DESIGNED DGB	REVISED 7/30/2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGHWAY STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:20	CHECKED JWM	REVISIONS			346	(21&21S)-I	LAKE	290	3
	PLOT DATE = 7/28/2020	DATE 06/26/20	REVISIONS			CONTRACT NO. 62B65		ILLINOIS FED. AID PROJECT		
				SCALE:		SHEET 1 OF 1 SHEETS STA. TO STA.				

UNION PACIFIC RAILROAD GENERAL NOTES:

1. WITHIN THESE NOTES, THE UNION PACIFIC RAILROAD SHALL BE REFERRED TO AS THE "RAILROAD".
2. A CONTRACTOR'S RIGHT-OF-ENTRY PERMIT IS REQUIRED BEFORE ANY WORK CAN COMMENCE ON RAILROAD PROPERTY. THE COST TO OBTAIN THIS PERMIT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
3. NO DISRUPTIONS OF RAILROAD OPERATIONS WILL BE PERMITTED.
4. ALL WORK WITHIN 25 FEET OF THE NEAREST TRACK WILL REQUIRE A RAILROAD FLAGMAN. TO SCHEDULE A FLAGMAN FOR WORK ON A COMMUTER LINE, CALL CANDICE MILLER AT (312) 496-4738, A MINIMUM 72 HOURS IN ADVANCE OF START OF WORK. TO SCHEDULE A FLAGMAN FOR WORK ON FREIGHT LINES, CALL DARYL CLARK AT (708) 649-5273, A MINIMUM OF 72 HOURS IN ADVANCE OF START OF WORK.
5. WORK WINDOWS WITHIN THE 25 FOOT ZONE ARE ONLY AVAILABLE FROM 9:00 AM - 3:00 PM, MONDAY THROUGH FRIDAY. NIGHT WORK WINDOWS ARE AVAILABLE FROM 8:00 PM - 4:00 AM. PLEASE PROVIDE AT LEAST 72 HOURS OF ADDITIONAL NOTICE WHEN REQUESTING TO WORK AT NIGHT TO ENSURE APPROPRIATE FLAGGING COVERAGE. EXTENDED WORK WINDOWS MAY BE AVAILABLE ON THE WEEKENDS. NOT WITHSTANDING THE FORGOING, DUE TO INTERSTATE FREIGHT TRAIN AND COMMUTER PASSENGER TRAIN OPERATIONS AND SCHEDULES ALL WORK WINDOWS WITHIN THE TIMES LISTED ABOVE ARE SUBJECT TO ON SITE UNILATERAL ADJUSTMENT OR DENIAL FROM THE RAILROAD'S LOCAL FIELD MANAGER AND/OR CORRIDOR MANAGER. THIS MAY RESULT IN DENIAL OR ADJUSTMENT OF ACCESS FOR ANY AND ALL CONTRACTORS, SUBCONTRACTORS AND MATERIAL MEN DURING WORK WINDOWS.
6. NO UN-USED WORK EQUIPMENT WILL BE ALLOWED TO REMAIN ON THE RAILROAD'S COMMUTER PLATFORM IF PRESENT.
7. RAILROAD UTILITIES ARE NOT INCLUDED UNDER JULIE. CALL CANDICE MILLER AT (312) 496-4738 FOR LOCATES.
8. FIBER OPTICS MAY BE PRESENT IN THIS AREA. CALL (800) 336-9193 TO COORDINATE ANY REQUIRED PROTECTION OR RELOCATION, PRIOR TO CONSTRUCTION.
9. RAILROAD REVIEW AND APPROVAL OF SHORING, DEMOLITION, ERECTION, AND FALSEWORK IS REQUIRED.
10. ERECTION OVER THE RAILROAD'S RIGHT-OF-WAY SHALL BE DESIGNED TO CAUSE NO INTERRUPTIONS TO RAILROAD'S OPERATIONS. ERECTION OVER THE RAILROAD'S TRACK SHALL BE DEVELOPED SUCH THAT IT ENABLES THE TRACK(S) TO REMAIN OPEN TO TRAIN TRAFFIC PER RAILROAD'S REQUIREMENTS.
11. MINIMUM CONSTRUCTION CLEARANCE ENVELOPE OF 21 FEET VERTICAL ABOVE THE PLAN OF TOP-OF-RAIL AND 12 FEET HORIZONTAL AT RIGHT ANGLE FROM CENTERLINE OF TRACK SHALL BE MAINTAINED AT ALL TIME DURING CONSTRUCTION.
12. FALSEWORK CLEARANCE SHALL COMPLY WITH THE RAILROAD'S MINIMUM CONSTRUCTION CLEARANCE ENVELOPE.
13. FOR RAILROAD COORDINATION PLEASE REFER TO THE RAILROAD MINIMUM REQUIREMENTS AS PART OF SPECIAL PROVISIONS.
14. THE CONTRACTOR MUST SUBMIT A PROPOSED METHOD OF EROSION AND SETTLEMENT CONTROL AND HAVE THE METHOD APPROVED BY THE RAILROAD.
15. THE PROPOSED GRADE SEPARATION PROJECT SHALL NOT CHANGE THE QUANTITY AND/OR CHARACTERISTICS OF THE FLOW IN THE RAILROAD DITCHES AND/OR DRAINAGE STRUCTURES.
16. THE ELEVATION OF THE EXISTING TOP-OF-RAIL PROFILE SHALL BE VERIFIED BEFORE BEGINNING CONSTRUCTION. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE RAILROAD PRIOR TO CONSTRUCTION.

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		DRAWN DGB	REVISED -
	PLOT SCALE = 1:20	CHECKED JWM	REVISED -
	PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	5
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
				0005	0044	0044	0013
			TOTAL QUANTITY URBAN	100% STATE	100% STATE	100% STATE	100% STATE
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	742	228	514		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	227	130	97		
20101000	TEMPORARY FENCE	FOOT	5,122	4,802	320		
20101100	TREE TRUNK PROTECTION	EACH	60	42	18		
X 20101400	NITROGEN FERTILIZER NUTRIENT	POUND	122	103	19		
X 20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	122	103	19		
20200100	EARTH EXCAVATION	CU YD	39,671	39,494	177		
20700220	POROUS GRANULAR EMBANKMENT	CU YD	18	18			
20800150	TRENCH BACKFILL	CU YD	4,419	4,254	165		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	6,474	5,486	988		
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	500	500			
X 25000210	SEEDING, CLASS 2A	ACRE	1.50	1.25	0.25		
X 25100115	MULCH, METHOD 2	ACRE	2.50	2.25	0.25		
X 25100630	EROSION CONTROL BLANKET	SQ YD	19,681	17,588	2,093		

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USER NAME = c1199	DESIGNED CEL	REVISED 07/30/2020
DRAWN CEL	DRAWN CEL	REVISED -
PLOT SCALE = 1:2	CHECKED JWM	REVISED -
PLOT DATE = 7/28/2020	DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 1 OF 18 SHEETS STA. TO STA.


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	6
CONTRACT NO. 62B65			ILLINOIS FED. AID PROJECT	

REV-SEP

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
				0005	0044	0044	0013
			TOTAL QUANTITY URBAN	100% STATE	100% STATE	100% STATE	100% STATE
X 25100900	TURF REINFORCEMENT MAT	SQ YD	542	542			
X 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	852	809	43		
28000305	TEMPORARY DITCH CHECKS	FOOT	51	51			
28000400	PERIMETER EROSION BARRIER	FOOT	5,846	5,273	573		
28000510	INLET FILTERS	EACH	80	77	3		
28100107	STONE RIPRAP, CLASS A4	SQ YD	58	58			
28100109	STONE RIPRAP, CLASS A5	SQ YD	68	68			
28200200	FILTER FABRIC	SQ YD	774	646	128		
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	130	130			
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	2,192	1,450	742		
35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	SQ YD	108	108			
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	162	130	32		
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	413		413		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	7,885	7,844	41		

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	PLOT SCALE = 1:2	CHECKED JWM	REVISED -
	PLOT DATE = 7/28/2020	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 2	OF 18 SHEETS	STA. TO STA.


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	7
			CONTRACT NO. 62B65	
ILLINOIS FED. AID PROJECT				

REV-SEP

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
			TOTAL QUANTITY URBAN	100% STATE	100% STATE	100% STATE	100% STATE
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	133	133			
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	115.9	115.9			
40602978	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	TON	26		26		
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1,447.3	1,447.3			
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	15		15		
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	976.1	976.1			
42001300	PROTECTIVE COAT	SQ YD	861	843	18		
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	15	15			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	10,637	9,422	1,215		
42400800	DETECTABLE WARNINGS	SQ FT	134	134			
44000100	PAVEMENT REMOVAL	SQ YD	1,688	1,481	207		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	287	287			
44000600	SIDEWALK REMOVAL	SQ FT	7,380	7,380			
44002206	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 1 1/2"	SQ YD	1,380	1,380			

FILE NAME = L:\7295\CAO\NSheets\General\500\0162805F-sht-50003.dgn

	USER NAME = JMitchel	DESIGNED CEL	REVISED 07/30/2020
		DRAWN CEL	REVISED -
	PLOT SCALE = 1:2	CHECKED JWM	REVISED -
	PLOT DATE = 7/28/2020	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**


SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 3	OF 18 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	8
CONTRACT NO. 62B65			REV-SEP	
ILLINOIS FED. AID PROJECT				

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
			TOTAL QUANTITY URBAN	100% STATE	100% STATE	100% STATE	100% STATE
44004250	PAVED SHOULDER REMOVAL	SQ YD	166	166			
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	566	566			
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	100	100			
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	200	200			
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	200	200			
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	1,411	1,411			
50200100	STRUCTURE EXCAVATION	CU YD	3,773	144	2,540	981	108
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	101			101	
50300225	CONCRETE STRUCTURES	CU YD	790.0		783.0		7.0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	152,600		151,430		1,170
50800515	BAR SPLICERS	EACH	55		55		
50901760	PIPE HANDRAIL	FOOT	291	291			
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	8,650		8,300		350
52200700	PRECAST MODULAR RETAINING WALL	SQ FT	3,400	648		2,752	

FILE NAME = L:\7295\CAO\NSheets\General\500\0162805F-sht-50004.dgn

	USER NAME = JMitchel	DESIGNED CEL	REVISED 07/30/2020
	DRAWN CEL		REVISED -
	CHECKED JWM		REVISED -
	DATE 06/26/20		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 4	OF 18 SHEETS	STA. TO STA.


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	9
CONTRACT NO. 62B65				ILLINOIS FED. AID PROJECT

REV-SEP

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
				0005	0044	0044	0013
			TOTAL QUANTITY URBAN	100% STATE	100% STATE	100% STATE	100% STATE
54210200	PIPE ELBOW, 54"	EACH	1	1			
54261342	CONCRETE END SECTION, STANDARD 542001, 42", 1:3	EACH	2	2			
54261354	CONCRETE END SECTION, STANDARD 542001, 54", 1:3	EACH	1	1			
54261454	CONCRETE END SECTION, STANDARD 542001, 54", 1:4	EACH	1	1			
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	33	33			
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	5	5			
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	10	10			
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	720	720			
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	95	95			
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	215	215			
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	74	74			
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	42	42			
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	295	295			
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	974	974			

FILE NAME = L:\7295\CAO\NSheets\General\500\0162805F-sht-50006.dgn

	USER NAME = JMitchel	DESIGNED CEL	REVISED 07/30/2020
		DRAWN CEL	REVISED -
	PLOT SCALE = 1:2	CHECKED JWM	REVISED -
	PLOT DATE = 7/28/2020	DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 5	OF 18 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	10
CONTRACT NO. 62B65			ILLINOIS FED. AID PROJECT	

REV-SEP

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
				0005	0044	0044	0013
			TOTAL QUANTITY URBAN	100% STATE	100% STATE	100% STATE	100% STATE
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	194	194			
550A0490	STORM SEWERS, CLASS A, TYPE 2 54"	FOOT	211	211			
550A0640	STORM SEWERS, CLASS A, TYPE 3 12"	FOOT	165	165			
550A0710	STORM SEWERS, CLASS A, TYPE 3 24"	FOOT	10	10			
550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	FOOT	145	145			
550A0770	STORM SEWERS, CLASS A, TYPE 3 42"	FOOT	520	520			
550A1320	STORM SEWERS, CLASS A, TYPE 5 36"	FOOT	52	52			
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	9	9			
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	58	58			
550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	11	11			
550A2600	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	FOOT	74	74			
550A2610	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 42"	FOOT	104	104			
550A2630	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 54"	FOOT	242	242			
550A4720	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 54"	FOOT	45	45			

FILE NAME = L:\7295\CAO\NSheets\General\500\0162805F-sht-50006.dgn

	USER NAME = JMitchel	DESIGNED CEL	REVISED 07/30/2020
		DRAWN CEL	REVISED -
	PLOT SCALE = 1:2	CHECKED JWM	REVISED -
	PLOT DATE = 7/28/2020	DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 6	OF 18 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	11
CONTRACT NO. 62B65			ILLINOIS FED. AID PROJECT	

REV-SEP

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
				0005	0044	0044	0013
			TOTAL QUANTITY URBAN	100% STATE	100% STATE	100% STATE	100% STATE
55100200	STORM SEWER REMOVAL 6"	FOOT	241	241			
55100300	STORM SEWER REMOVAL 8"	FOOT	357	357			
55100400	STORM SEWER REMOVAL 10"	FOOT	227	227			
55100500	STORM SEWER REMOVAL 12"	FOOT	258	258			
55100900	STORM SEWER REMOVAL 18"	FOOT	172	172			
55101200	STORM SEWER REMOVAL 24"	FOOT	96	96			
55101400	STORM SEWER REMOVAL 30"	FOOT	110	110			
55101800	STORM SEWER REMOVAL 42"	FOOT	246	246			
X 55201700	STORM SEWERS JACKED IN PLACE, 54"	FOOT	406	406			
56103300	DUCTILE IRON WATER MAIN 12"	FOOT	215		215		
56105200	WATER VALVES 12"	EACH	2		2		
56106400	ADJUSTING WATER MAIN 8"	FOOT	60	60			
56106810	ADJUSTING WATER MAIN 20"	FOOT	30	30			
56200500	WATER SERVICE LINE 1 1/2"	FOOT	73		73		

FILE NAME = L:\7295\CAO\NSheets\General\500\0162805F-sht-50007.dgn

	USER NAME = JMitchel	DESIGNED CEL	REVISED 07/30/2020
	DRAWN CEL		REVISED -
	CHECKED JWM		REVISED -
	DATE 06/26/20		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 7	OF 18 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	12
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

REV-SEP

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
				0005	0044	0044	0013
			TOTAL QUANTITY URBAN	100% STATE	100% STATE	100% STATE	100% STATE
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	236	21		215	
58700300	CONCRETE SEALER	SQ FT	2,070		1,820		250
60108114	PIPE UNDERDRAINS, TYPE 1, 12"	FOOT	94	94			
60200105	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1			
60200205	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2			
60200805	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 8 GRATE	EACH	1	1			
60201110	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 11V FRAME AND GRATE	EACH	1	1			
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	7	7			
60221100	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3			
60223800	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	11	11			
60224446	MANHOLES, TYPE A, 7' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4			
60224459	MANHOLES, TYPE A, 8' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2			
60224469	MANHOLES, TYPE A, 9' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2			
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2	2			

FILE NAME = L:\7295\CAO\NSheets\General\500\0162805F-sht-50008.dgn

	USER NAME = JML\jml	DESIGNED CEL	REVISED 07/30/2020
		DRAWN CEL	REVISED -
	PLOT SCALE = 1:2	CHECKED JWM	REVISED -
	PLOT DATE = 7/28/2020	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 8	OF 18 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	13
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

REV-SEP

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
				0005	0044	0044	0013
			TOTAL QUANTITY URBAN	100% STATE	100% STATE	100% STATE	100% STATE
60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	1	1			
60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
60248900	VALVE VAULTS, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2		2		
60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	2	2			
60255500	MANHOLES TO BE ADJUSTED	EACH	3	3			
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1			
60500040	REMOVING MANHOLES	EACH	8	8			
60500050	REMOVING CATCH BASINS	EACH	13	13			
60500060	REMOVING INLETS	EACH	6	6			
60600605	CONCRETE CURB, TYPE B	FOOT	104	104			
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	424	343	81		
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	281	281			
66400105	CHAIN LINK FENCE, 4'	FOOT	93	93			
X 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	4,850	4,850			

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USER NAME = JMitchel	DESIGNED CEL	REVISED 07/30/2020
DRAWN CEL		REVISED -
PLOT SCALE = 1:2	CHECKED JWM	REVISED -
PLOT DATE = 7/28/2020	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 9	OF 18 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	14
CONTRACT NO. 62B65			ILLINOIS FED. AID PROJECT	

REV-SEP

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
				0005	0044	0044	0013
				100% STATE	100% STATE	100% STATE	100% STATE
				TOTAL QUANTITY URBAN			
X 66900530	SOIL DISPOSAL ANALYSIS	EACH	8	8			
X 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1			
X 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1			
X 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	50	50			
67100100	MOBILIZATION	L SUM	1	1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	90	90			
X 70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1			
X 70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	810	810			
X 70300100	SHORT TERM PAVEMENT MARKING	FOOT	6,012	6,012			
X 70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,503	1,503			
X 70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	78	78			
X 70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	16,221	16,221			
X 70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	150	150			
X 70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	1,705	1,705			

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USER NAME = c1199	DESIGNED CEL	REvised 07/30/2020
PLOT SCALE = 1:2	DRAWN CEL	REvised -
PLOT DATE = 7/28/2020	CHECKED JWM	REvised -
	DATE 06/26/20	REvised -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 10	OF 18 SHEETS	STA. TO STA.


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	15
CONTRACT NO. 62B65			ILLINOIS FED. AID PROJECT	

REV-SEP

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
				100% STATE	100% STATE	100% STATE	100% STATE
				0005	0044	0044	0013
			TOTAL QUANTITY URBAN				
X 70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	15	15			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	925	925			
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	462.5	462.5			
X 70600240	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2	EACH	7	7			
X 70600340	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2	EACH	4	4			
72000100	SIGN PANEL - TYPE 1	SQ FT	81	81			
72000200	SIGN PANEL - TYPE 2	SQ FT	25	25			
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	10	10			
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	5	5			
72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	4	4			
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	138	138			
X 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	254	226	28		
X 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9,368	8,835	533		
X 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	810	810			

FILE NAME = L:\7295\CAO\NSheets\General\500\0162805F-sht-5001.dgn

	USER NAME = JMT	DESIGNED CEL	REVISED 07/30/2020
	PLOT SCALE = 1/2	DRAWN CEL	REVISED -
	DATE = 7/28/2020	CHECKED JWM	REVISED -
		DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 11	OF 18 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	16
CONTRACT NO. 62B65			ILLINOIS FED. AID PROJECT	

REV-SEP

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
				0005	0044	0044	0013
			TOTAL QUANTITY URBAN	100% STATE	100% STATE	100% STATE	100% STATE
X 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	193	188	5		
X 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	854	854			
X 78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	60	60			
78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	28	28			
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1		
X 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1		
81025600	CONDUIT ENCASED, REINFORCED CONCRETE, 4" DIA., PVC 2 WIDE X 1 HIGH	FOOT	125		125		
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	105		105		
81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	265		265		
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	2		2		
81702100	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	810		810		
Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	14	14			
Z0004538	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	SQ YD	424		424		
Z0007120	WELDED WIRE FABRIC 6X6	SQ YD	95		95		

FILE NAME = L:\7295\CAO\NSheets\General\500\0162805F-sht-50012.dgn



USER NAME = JMK	DESIGNED CEL	REVISED 07/30/2020
DRAWN CEL	CHECKED JWM	REVISED -
PLOT SCALE = 1/2	DATE 06/26/20	REVISED -
PLOT DATE = 7/28/2020		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 12	OF 18 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	17
CONTRACT NO. 62B65			ILLINOIS FED. AID PROJECT	

REV-SEP

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
				100% STATE	100% STATE	100% STATE	100% STATE
			TOTAL QUANTITY URBAN				
Z0010605	CLEANING DRAINAGE SYSTEM	L SUM	1				1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
Z0018800	DRAINAGE SYSTEM	L SUM	1				1
Z0018900	DRILL AND GROUT DOWEL BARS	EACH	90	90			
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	220	220			
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	143	143			
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1			
Z0054400	ROCK FILL	CU YD	101			101	
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	98	98			
Z0062456	TEMPORARY PAVEMENT	SQ YD	375	375			
X0301028	PUMP STATION SCADA EQUIPMENT	L SUM	1		1		
X0320033	MAINTENANCE OF EXISTING PUMP STATION DURING CONSTRUCTION	CAL MO	18		18		

FILE NAME = L:\7295\CAO\NSheets\General\500\0162805F-sht-50013.dgn

	USER NAME = JMitche1	DESIGNED CEL	REVISED 07/30/2020
		DRAWN CEL	REVISED -
	PLOT SCALE = 1:2	CHECKED JWM	REVISED -
	PLOT DATE = 7/28/2020	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 13	OF 18 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	18
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B65	

REV-SEP

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
				0005	0044	0044	0013
			TOTAL QUANTITY URBAN	100% STATE	100% STATE	100% STATE	100% STATE
X0320035	LOW FLOW PUMP	EACH	1		1		
X0320036	MAIN PUMPS	EACH	3		3		
X0322121	SHEET WATERPROOFING MEMBRANE SYSTEM	SQ YD	720		720		
X0322924	RETAINING WALL REMOVAL	SQ FT	132	132			
X0324752	STORM SEWER TO BE FILLED	CU YD	85	85			
X0325207	TELEVISION INSPECTION OF SEWER	FOOT	4,361	4,361			
X0325318	LIGHTWEIGHT CELLULAR CONCRETE FILL	CU YD	152		152		
X0326618	ADDRESSABLE FIRE ALARM SYSTEM	L SUM	1		1		
X0326694	PLUG EXISTING STORM SEWERS	CU YD	1	1			
X0327064	ELASTOMERIC CHECK VALVE 24" DIAMETER	EACH	1	1			
X0327394	HEATING AND VENTILATION WORK	L SUM	1		1		
X0327518	ELASTOMERIC CHECK VALVE 12" DIAMETER	EACH	2	2			
X0327779	GAS UTILITY SERVICE CONNECTION	L SUM	1		1		
X0327890	DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	12	12			

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	USER NAME = JMitchel	DESIGNED CEL	REVISED 07/30/2020
	DRAWN CEL		REVISED -
	CHECKED JWM		REVISED -
	DATE 06/26/20		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 14	OF 18 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	19
CONTRACT NO. 62B65			ILLINOIS FED. AID PROJECT	

REV-SEP

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
				0005	0044	0044	0013
			TOTAL QUANTITY URBAN	100% STATE	100% STATE	100% STATE	100% STATE
X X0327979	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	2,340	2,340			
X X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	93	93			
X0335700	PUMP STATION GENERAL WORK	L SUM	1		1		
X0426200	DEWATERING	L SUM	1		1		
X0783300	PUMP STATION ELECTRICAL WORK	L SUM	1		1		
X0783500	PUMP STATION MECHANICAL WORK	L SUM	1		1		
X0900029	TEMPORARY SUPPORT SYSTEM (TO REMAIN IN PLACE)	EACH	8				8
X1200044	TEMPORARY STORM SEWER 12"	FOOT	7	7			
X1400160	PUMP STATION PACKAGE ENGINE GENERATOR SYSTEMS	L SUM	1		1		
X1400162	PUMP STATION MOTOR CONTROL CENTER	L SUM	1		1		
X1400165	GAS DETECTION PANEL	L SUM	1		1		
X1400328	AUTOMATIC TRANSFER SWITCH	EACH	1		1		
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	500	500			
X2800510	INLET FILTER CLEANING	EACH	80	77	3		

FILE NAME = L:\7295\CAO\NSheets\General\500\0162805-111-5015.dgn

	USER NAME = JMitchel	DESIGNED CEL	REVISED 07/30/2020
		DRAWN CEL	REVISED -
	PLOT SCALE = 1:2	CHECKED JWM	REVISED -
	PLOT DATE = 7/28/2020	DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 15 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	20
CONTRACT NO. 62B65			ILLINOIS FED. AID PROJECT	

REV-SEP

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
				100% STATE	100% STATE	100% STATE	100% STATE
			TOTAL QUANTITY URBAN				
X3400002	DEMOLITION OF EXISTING PUMP STATION	L SUM	0005	1	1		
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	0044	2	2		
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	0044	1	1		
X4023000	TEMPORARY ACCESS (ROAD)	EACH	0044	10	10		
X4400220	CURB REMOVAL AND REPLACEMENT	FOOT	0005	1,928	1,928		
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	0005	11,609	11,609		
X4421791	CLASS D PATCHES, TYPE IV, 12 INCH (SPECIAL)	SQ YD	0005	1,367	1,367		
X5537500	STORM SEWERS TO BE CLEANED 6"	FOOT	0005	156	156		
X5537600	STORM SEWERS TO BE CLEANED 8"	FOOT	0005	268	268		
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	0005	1,032	1,032		
X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	0005	86	86		
X5538000	STORM SEWERS TO BE CLEANED 18"	FOOT	0005	235	235		
X5538400	STORM SEWERS TO BE CLEANED 30"	FOOT	0005	819	819		
X5538600	STORM SEWERS TO BE CLEANED 36"	FOOT	0005	1,273	1,273		

FILE NAME = L:\7255\CAON\Sheets\General\500\062805F-ent-50016.dgn

	USER NAME = JMitche1	DESIGNED CEL	REVISED 07/30/2020
		DRAWN CEL	REVISED -
	PLOT SCALE = 1/2	CHECKED JWM	REVISED -
	PLOT DATE = 7/28/2020	DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 16	OF 18 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	21
CONTRACT NO. 62B65			ILLINOIS FED. AID PROJECT	

REV-SEP

X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
				100% STATE	100% STATE	100% STATE	100% STATE
			TOTAL QUANTITY URBAN				
X5538700	STORM SEWERS TO BE CLEANED 42"	FOOT	0005	470	470		
X5610651	ABANDON EXISTING WATER MAIN, FILL WITH CLSM	FOOT		170		170	
X6020297	MANHOLES, TYPE A, 7' -DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH		2	2		
X6022110	MANHOLES, TYPE A, 10' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH		2	2		
X6022712	CATCH BASINS, TYPE A, 4' -DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH		40	40		
X6023508	INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE	EACH		7	7		
X6024875	TEMPORARY INLET	EACH		2	2		
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH		37	37		
X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT		597	597		
X6640300	CHAIN LINK FENCE REMOVAL	FOOT		93	93		
X6640525	CHAIN LINK FENCE, 4' ATTACHED TO STRUCTURE	FOOT		110	110		
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO		24	24		
X X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM		1	1		
X X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT		4,390	4,390		

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	USER NAME = JML\jml	DESIGNED CEL	REVISED 07/30/2020
	DRAWN CEL		REVISED -
	CHECKED JWM		REVISED -
	DATE 06/26/20		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 17	OF 18 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	22
CONTRACT NO. 62B65			ILLINOIS FED. AID PROJECT	

REV-SEP


X - SPECIALTY ITEM

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE	ROADWAY URBAN	PUMP STATION 38 URBAN	RETAINING WALL SN 049-W088	BRIDGE SN 049-0033
			TOTAL QUANTITY URBAN	100% STATE	100% STATE	100% STATE	100% STATE
X X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	297	297			
X1200246	WATER MAIN CASING PIPE	FOOT	20		20		
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	3500	3500			

FILE NAME = L:\7355\CAAD\Sheets\General\500\0162B65-sht-50018.dgn

Ø 0042

REV-SEP

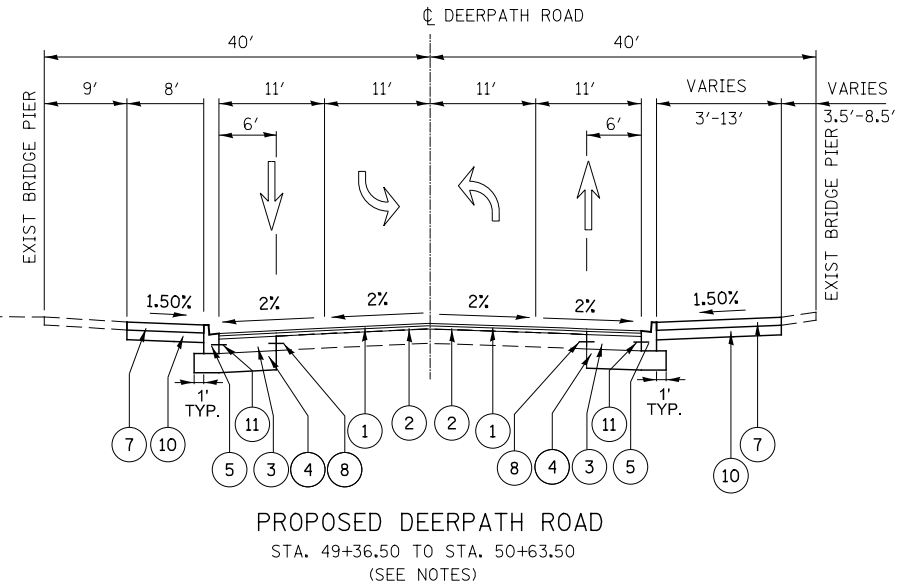
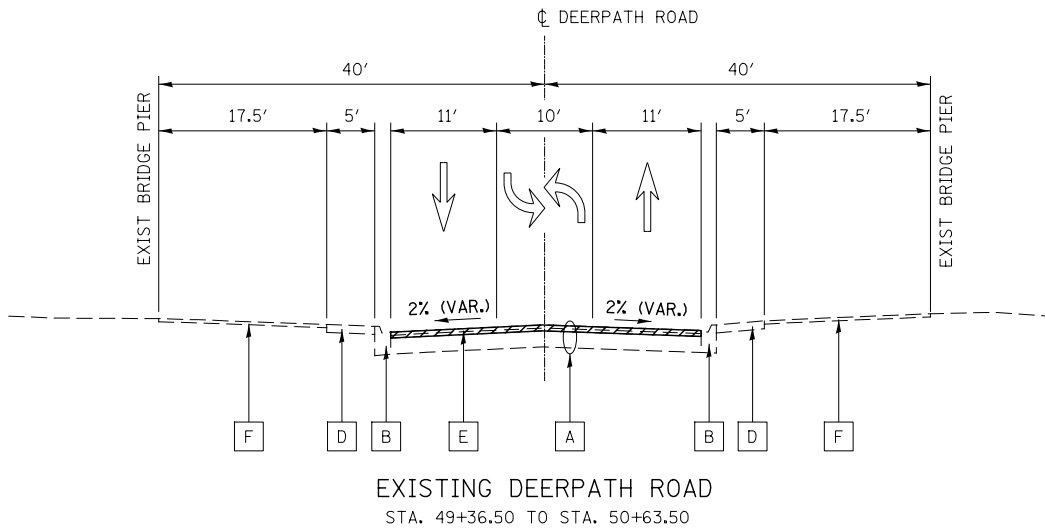
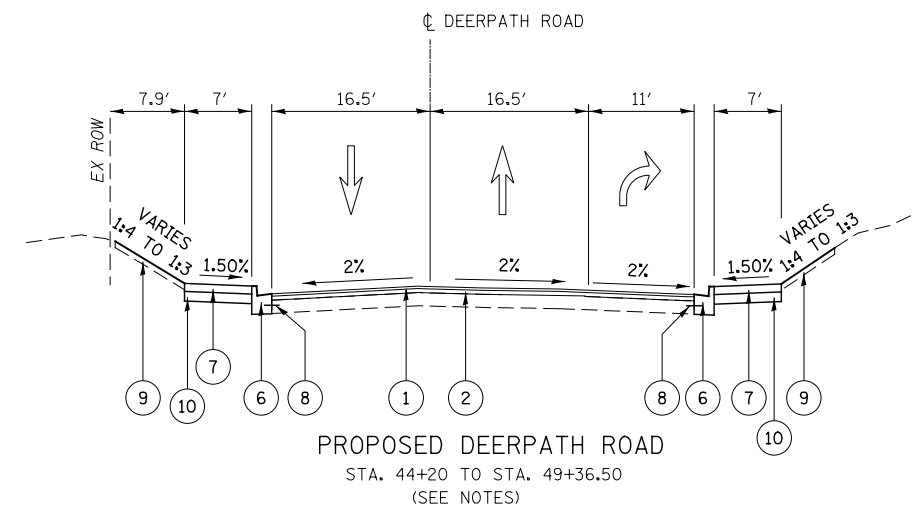
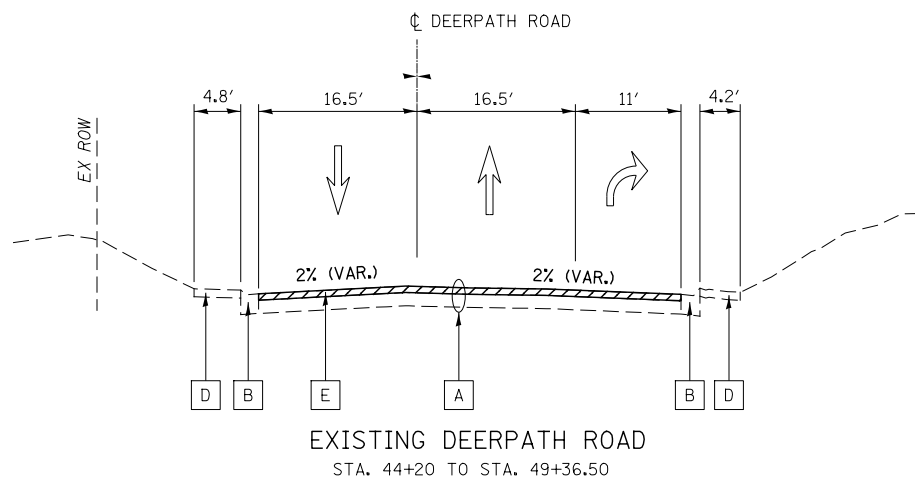
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	PLOT DATE = 7/28/2020	DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 18 OF 18 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B65	



EXISTING LEGEND:

- A EXISTING PAVEMENT (SEE TABLE OF PAVEMENT CORES)
- B EX COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- C EX COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.12
- D EXISTING PCC SIDEWALK, 5"
- E HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- F EXISTING AGGREGATE SURFACE
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (VARIES 3.75" TO 8")

PROPOSED LEGEND:

- 1 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2"
- 2 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- 3 PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"
- 4 AGGREGATE SUBGRADE IMPROVEMENT 12"
- 5 COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18
- 6 CURB REMOVAL AND REPLACEMENT
- 7 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- 8 DRILL AND GROUT DOWEL BARS (#5 BARS 24" LONG @ 30" O.C.)
- 9 TOPSOIL FURNISH AND PLACE, 4"
- 10 SUBBASE GRANULAR MATERIAL, TYPE B 4"
- 11 #5 TIE BARS 24" LONG @ 30" O.C. (INCLUDED IN COST OF CURB REMOVAL AND REPLACEMENT OR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18)
- 12 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2", (IL-9.5mm)
- 13 HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 2 1/2"

TABLE OF PAVEMENT CORINGS

CORE NO.	STATION	OFFSET (feet)	TOTAL PAVEMENT THICKNESS (Inches)	TOTAL ASPHALT THICKNESS (Inches)	TOTAL P.C.C. THICKNESS (Inches)
PC-01	43+46.6	9.3 RT	16.00	8.75	7.25
PC-02	46+31.1	11.7 RT	12.25	4.00	8.25
PC-03	49+44.8	273.2 LT	16.25	16.25	0.00
PC-04	49+79.6	16.8 RT	12.25	2.25	10.00
PC-05	50+19.1	14.2 LT	13.25	3.75	9.50
PC-06	50+45.9	55.8 RT	5.00	5.00	0.00
PC-07	50+60.5	273.5 LT	16.00	6.00	10.00
PC-08	52+36.6	7.0 RT	14.25	14.25	0.00
PC-09	55+55.5	54.3 RT	4.25	4.25	0.00
PC-10	55+76.5	12.8 RT	7.50	7.50	0.00
PC-11	65+29.4	11.8 RT	5.25	5.25	0.00
PC-12	68+91.4	7.3 RT	5.00	5.00	0.00

NOTES

- 1. SEE HMA MIX TABLE FOR HMA MIX DESIGN AND ADDITIONAL NOTES.

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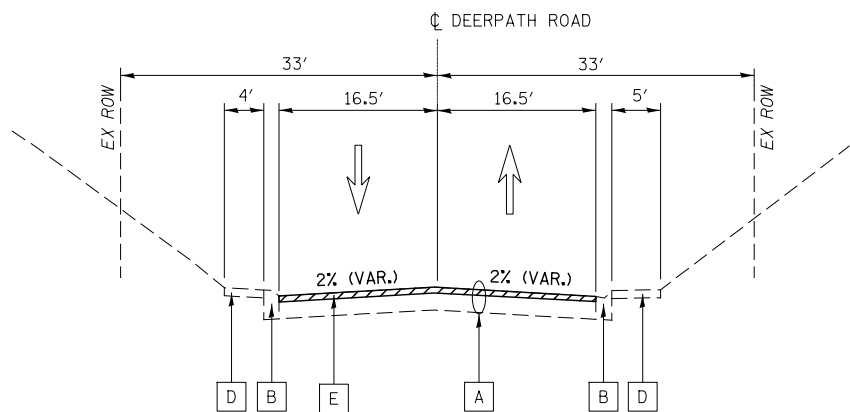


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PLOT SCALE = 1:20	DRAWN RAM	REVISED -
PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -
	DATE 06/26/20	REVISED -

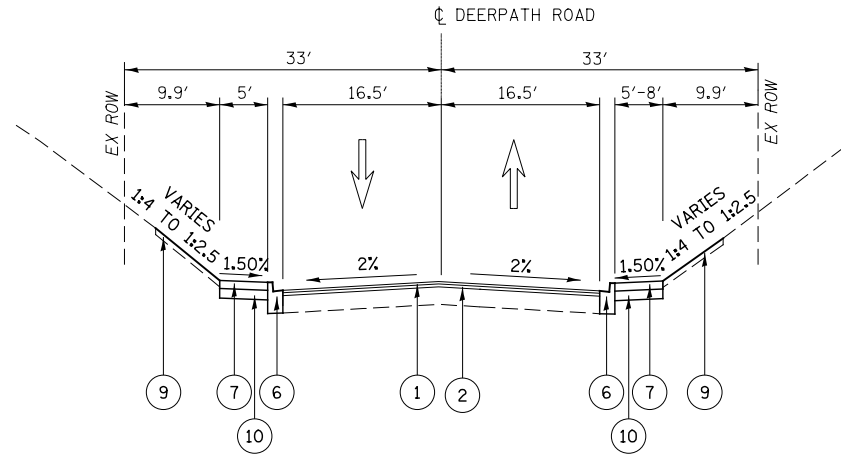
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET 1 OF 2 SHEETS		STA.	TO STA.
		TYPICAL SECTIONS			

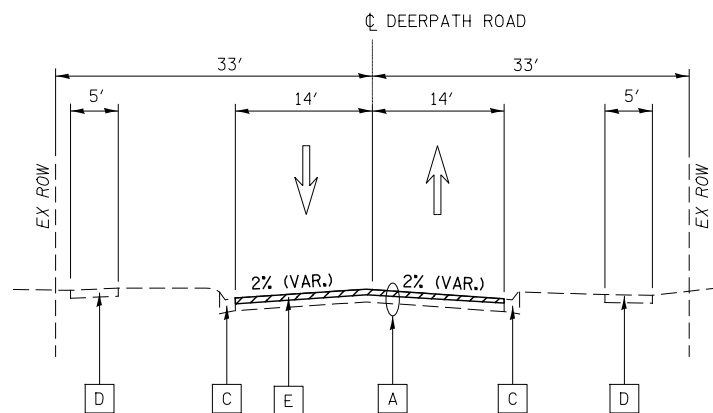
F.A.P. RTE. 346	SECTION (21&215)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 24
			CONTRACT NO. 62B65	
ILLINOIS FED. AID PROJECT				



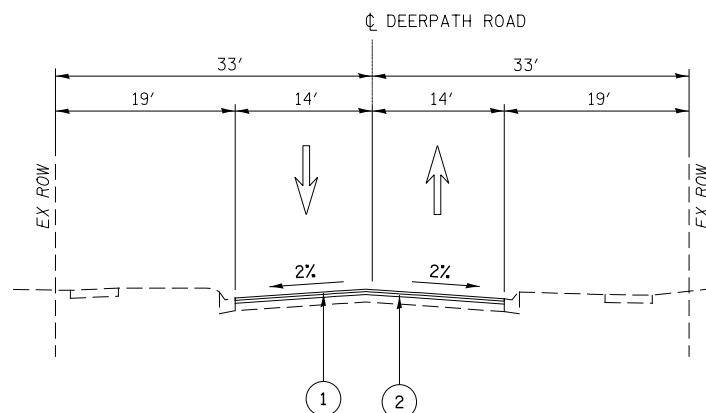
EXISTING DEERPETH ROAD
STA. 50+63.50 TO STA. 56+20



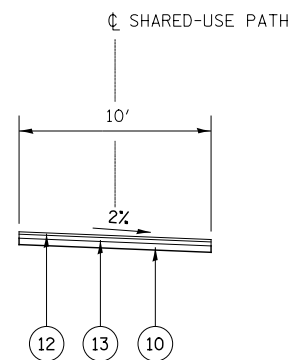
PROPOSED DEERPETH ROAD
STA. 50+63.50 TO STA. 56+20
(SEE NOTES)



EXISTING DEERPETH ROAD
STA. 56+20 TO STA. 73+54



PROPOSED DEERPETH ROAD
STA. 56+20 TO STA. 73+54
(SEE NOTES)



PROPOSED BIKE PATH
(SEE NOTES)

EXISTING LEGEND:

- A EXISTING PAVEMENT (SEE TABLE OF PAVEMENT CORES)
- B EX COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- C EX COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.12
- D EXISTING PCC SIDEWALK, 5"
- E HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- F EXISTING AGGREGATE SURFACE
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (VARIES 3.75" TO 8")

PROPOSED LEGEND:

- 1 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2"
- 2 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- 3 PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"
- 4 AGGREGATE SUBGRADE IMPROVEMENT 12"
- 5 COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18
- 6 CURB REMOVAL AND REPLACEMENT
- 7 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- 8 DRILL AND GROUT DOWEL BARS (#5 BARS 24" LONG @ 30" O.C.)
- 9 TOPSOIL FURNISH AND PLACE, 4"
- 10 SUBBASE GRANULAR MATERIAL, TYPE B 4"
- 11 #5 TIE BARS 24" LONG @ 30" O.C. (INCLUDED IN COST OF CURB REMOVAL AND REPLACEMENT OR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18)
- 12 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2", (IL-9.5mm)
- 13 HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 2 1/2"

NOTES

1. SEE HMA MIX TABLE FOR HMA MIX DESIGN AND ADDITIONAL NOTES.

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USER NAME = c1iss	DESIGNED DGB	REVISED -
DRAWN RAM	REVISIONS	REVISED -
PLOT SCALE = 1:20	CHECKED JWM	REVISED -
PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&215)-I	LAKE	290	25
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
	MIXTURE TYPE	AIR VOIDS N _{DES}	QMP
HOT-MIX ASPHALT PAVEMENT RESURFACING 3¾"	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1½"	4% @ 70 Gyr.	QCQA
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2¼"	4% @ 70 Gyr.	QCQA
COMPOSITE PAVEMENT WIDENING 13¾" (PCC BASE COURSE WIDENING, 10")	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1½"	4% @ 70 Gyr.	QCQA
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2¼"	4% @ 70 Gyr.	QCQA
CLASS D PATCHES, TYPE IV, 12 INCH (SPECIAL) (AT LOCATIONS WITHOUT RESURFACING)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1½"	4% @ 70 Gyr.	QCQA
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 10½"	4% @ 70 Gyr.	QCQA
CLASS D PATCHES, TYPE IV, 12 INCH (AT LOCATIONS WITH RESURFACING)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 12"	4% @ 70 Gyr.	QCQA
CLASS D PATCHES, TYPE IV, 6 INCH (AT LOCATIONS WITH RESURFACING)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 6"	4% @ 70 Gyr.	QCQA
HMA BIKE PATH, 4"	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 1½", (IL-9.5mm)	4% @ 50 Gyr.	QCQA
	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50; 2½"	4% @ 50 Gyr.	QCQA
HMA DRIVEWAY PAVEMENT, 8" (PRIVATE ENTRANCE) 10" (COMMERCIAL ENTRANCE)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 Gyr.	QCQA
	HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0); N50; PE - 6", CE - 8"	4% @ 50 Gyr.	QCQA
TEMPORARY PAVEMENT (SEE NOTE 5)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 2"	4% @ 70 Gyr.	QCQA
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 8"	4% @ 70 Gyr.	QCQA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QCQA); QUALITY CONTROL FOR PERFORMANCE (QCP)			

NOTES

1. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.
2. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
3. THE AC TYPE FOR NON-POLYMERIZED SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
4. FOR USE OF RECYCLED MATERIALS SEE DISTRICT ONE SPECIAL PROVISIONS.
5. ALTERNATE TEMPORARY PAVEMENT:
PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ARTICLE 1020 OF THE STANDARD SPECIFICATIONS, 8" THICK OVER 4" SUBBASE GRANULAR MATERIAL, TYPE 8. TEMPORARY PCC PAVEMENT DOES NOT REQUIRE DOWEL BARS.

FILE NAME = L:\7255\CAD\Sheets\Typical Section\062865-shr-HMA_Mix.dgn



USER NAME = c1iss	DESIGNED DGB	REVISED -
	DRAWN RAM	REVISED -
PLOT SCALE = 1:20	CHECKED JWM	REVISED -
PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS HMA MIXTURE REQUIREMENTS TABLE	
SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	26
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B65	

From Station	Offset	To Station	Offset	Description	Earth Excavation (Cubic Yards)	Embankment (Cubic Yards)	Embankment Adjusted for Shrinkage (15%) (Compacted Cubic Yards)	Earthwork Balance (+) Wastage (-) Shortage (Cubic Yards)	Topsoil Excavation (Cubic Yards)	Topsoil Placement, 4" depth		Topsoil Balance (+) Wastage (-) Shortage (Cubic Yards)
										Area (Square Yards)	Volume Adjusted for Shrinkage (15%) (Compact. Cubic Yards)	
53+15	33' LT	56+73	423' LT	Detention Pond No. 1	18,726	0	0	18,726	1,983	0	0	1,983
65+39	33' LT	69+85	150' LT	Detention Pond No. 2	20,689	313	360	20,329	1,526	461	7	1,519
48+72	28' LT	49+20	182' LT	Regrade/Raise Sidewalk Along US 41 SB Exit Ramp	0	204	235	-235	113	2,250	32	81
49+49	43' RT	50+49	32' RT	Deerpath Road at US Rte. 41 - Widening, North Side	40	0	0	40	0	0	0	0
49+49	32' LT	50+49	32' LT	Deerpath Road at US Rte. 41 - Widening, South Side	39	0	0	39	0	0	0	0
44+20	LT / RT	68+75	LT / RT	Deerpath Rd. and US 41 Ramps - Pkwy. Restoration	0	0	0	0	0	2,834	40	-40
53+75	27' RT	55+40	183' RT	Pump Station 38 Site (Not Incl. Struct. Excav.)	177	150	173	5	183	988	14	169
TOTAL ==>					39,671	667	767	38,904	3,805	6,533	93	3,712

FILE NAME = L:\7355\CAD\ISheets\General\Schedules\162865-Pr_Earthwork_Sched.01.dgn

KNIGHT Engineers & Architects	USER NAME = c1iss	DESIGNED DGB	REVISED -
		DRAWN DGB	REVISED -
	PLOT SCALE = 1:100	CHECKED JWM	REVISED -
	PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF QUANTITIES EARTHWORK ITEMS			
SCALE:	SHEET 1	OF 6 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	27
CONTRACT NO. 62B65			ILLINOIS FED. AID PROJECT	

TREE REMOVAL AND PROTECTION									
TREE NUMBER	STATION	OFFSET LT/RT	STREET	SIZE	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	*TREE REMOVAL (UNDER 6 UNITS DIAMETER)	TEMPORARY FENCE (FT)	TREE TRUNK PROTECTION (EACH)
1	48+31.6	28.5 LT	DEERPATH ROAD	3			3		
2	48+48.5	48.5 LT	DEERPATH ROAD	3			3		
3	48+73.4	185.6 LT	DEERPATH ROAD	24		24			
4	53+17.6	34.4 LT	DEERPATH ROAD	19				20	
5	53+18.2	32.4 LT	DEERPATH ROAD	18				20	1
6	53+33.3	45.4 LT	DEERPATH ROAD	4			4		
7	53+41.1	44.3 LT	DEERPATH ROAD	4			4		
8	53+78.4	31.4 RT	DEERPATH ROAD	3			3		
9	53+79.3	141.3 RT	DEERPATH ROAD	3			3		
10	53+79.9	136.0 RT	DEERPATH ROAD	8	8				
11	53+80.4	55.7 RT	DEERPATH ROAD	9	9				
12	53+81.0	45.9 RT	DEERPATH ROAD	2			2		
13	53+82.0	113.4 RT	DEERPATH ROAD	3			3		
14	53+82.9	138.5 RT	DEERPATH ROAD	3			3		
15	53+83.0	92.3 RT	DEERPATH ROAD	24		24			
16	53+83.4	170.9 RT	DEERPATH ROAD	3			3		
17	53+83.7	38.8 LT	DEERPATH ROAD	18				20	1
18	53+83.8	31.6 RT	DEERPATH ROAD	5			5		
19	53+84.1	177.9 RT	DEERPATH ROAD	3			3		
20	53+84.3	41.6 LT	DEERPATH ROAD	5			5		
21	53+85.3	138.8 RT	DEERPATH ROAD	9	9				
22	53+86.2	66.8 RT	DEERPATH ROAD	3			3		
23	53+86.8	138.4 RT	DEERPATH ROAD	6	6				
24	53+86.9	175.4 RT	DEERPATH ROAD	6					1
25	53+87.4	122.7 RT	DEERPATH ROAD	9	9				
26	53+87.7	165.6 RT	DEERPATH ROAD	5					1
27	53+88.0	72.0 RT	DEERPATH ROAD	2			2		
28	53+88.1	46.8 RT	DEERPATH ROAD	10	10				
29	53+88.1	46.8 RT	DEERPATH ROAD	12	12				
30	53+89.5	40.5 LT	DEERPATH ROAD	5			5		
31	53+90.0	173.6 RT	DEERPATH ROAD	17					1
32	53+91.0	164.4 RT	DEERPATH ROAD	5			5		
33	53+91.1	138.9 RT	DEERPATH ROAD	5			5		
34	53+92.5	176.1 RT	DEERPATH ROAD	3			3		
35	53+92.8	43.4 RT	DEERPATH ROAD	3			3		
36	53+93.7	136.2 RT	DEERPATH ROAD	13	13				
37	53+94.6	132.8 RT	DEERPATH ROAD	3			3		
38	53+95.6	113.4 RT	DEERPATH ROAD	10	10				
39	53+95.8	119.6 RT	DEERPATH ROAD	12	12				
40	53+95.8	128.5 RT	DEERPATH ROAD	11	11				
41	53+96.7	88.4 RT	DEERPATH ROAD	16		16			
42	53+97.9	137.3 RT	DEERPATH ROAD	4			4		
43	53+98.4	107.9 RT	DEERPATH ROAD	12	12				
44	53+99.1	113.9 RT	DEERPATH ROAD	7	7				
45	54+00.8	52.3 RT	DEERPATH ROAD	10	10				
46	54+02.8	167.1 RT	DEERPATH ROAD	7	7				
47	54+02.9	34.9 RT	DEERPATH ROAD	12	12				
48	54+03.3	120.1 RT	DEERPATH ROAD	3			3		

TREE REMOVAL AND PROTECTION									
TREE NUMBER	STATION	OFFSET LT/RT	STREET	SIZE	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	*TREE REMOVAL (UNDER 6 UNITS DIAMETER)	TEMPORARY FENCE (FT)	TREE TRUNK PROTECTION (EACH)
49	54+03.4	128.6 RT	DEERPATH ROAD	8	8				
50	54+04.4	35.3 RT	DEERPATH ROAD	5			5		
51	54+04.7	36.6 LT	DEERPATH ROAD	16				20	1
52	54+04.8	127.6 RT	DEERPATH ROAD	12	12				
53	54+05.6	42.4 RT	DEERPATH ROAD	3			3		
54	54+08.1	120.6 RT	DEERPATH ROAD	10	10				
55	54+09.6	41.1 RT	DEERPATH ROAD	9	9				
56	54+10.3	33.4 RT	DEERPATH ROAD	6	6				
57	54+10.8	130.0 RT	DEERPATH ROAD	8	8				
58	54+11.4	132.8 RT	DEERPATH ROAD	2			2		
59	54+14.6	127.3 RT	DEERPATH ROAD	7	7				
60	54+15.4	87.3 RT	DEERPATH ROAD	8	8				
61	54+15.6	35.5 RT	DEERPATH ROAD	10	10				
62	54+19.5	177.3 RT	DEERPATH ROAD	9	9				
63	54+20.2	127.4 RT	DEERPATH ROAD	5			5		
65	54+22.3	53.8 RT	DEERPATH ROAD	13	13				
66	54+24.1	54.1 RT	DEERPATH ROAD	4			4		
67	54+24.3	35.6 LT	DEERPATH ROAD	14				20	1
68	54+26.3	54.9 RT	DEERPATH ROAD	4			4		
69	54+28.7	53.8 RT	DEERPATH ROAD	21		21			
70	54+29.0	97.4 RT	DEERPATH ROAD	15	15				
71	54+30.1	103.1 LT	DEERPATH ROAD	13	13				
73	54+32.3	79.9 RT	DEERPATH ROAD	5			5		
74	54+33.4	35.7 LT	DEERPATH ROAD	10				20	1
75	54+34.3	38.2 RT	DEERPATH ROAD	14	14				
76	54+34.9	44.0 RT	DEERPATH ROAD	9	9				
77	54+36.7	56.9 RT	DEERPATH ROAD	20		20			
78	54+40.3	36.1 LT	DEERPATH ROAD	13				20	1
79	54+40.9	99.1 RT	DEERPATH ROAD	10	10				
80	54+42.3	142.0 RT	DEERPATH ROAD	12	12				
81	54+42.6	172.3 RT	DEERPATH ROAD	8					1
82	54+43.0	145.7 RT	DEERPATH ROAD	7	7				
83	54+44.0	140.8 RT	DEERPATH ROAD	4			4		
84	54+44.6	158.8 RT	DEERPATH ROAD	14					1
85	54+45.3	161.0 RT	DEERPATH ROAD	4					1
87	54+46.5	148.2 RT	DEERPATH ROAD	12				20	1
88	54+46.5	139.1 RT	DEERPATH ROAD	8	8				
89	54+46.8	35.1 LT	DEERPATH ROAD	15				20	1
90	54+46.8	87.3 RT	DEERPATH ROAD	10	10				
91	54+47.6	59.9 RT	DEERPATH ROAD	8	8				
92	54+49.9	137.0 RT	DEERPATH ROAD	6	6				
93	54+50.1	162.4 RT	DEERPATH ROAD	16					1
94	54+51.5	55.3 RT	DEERPATH ROAD	8	8				
95	54+51.7	33.4 RT	DEERPATH ROAD	4			4		
96	54+52.2	135.6 RT	DEERPATH ROAD	12	12				
97	54+52.4	62.3 RT	DEERPATH ROAD	8	8				
98	54+52.6	72.8 RT	DEERPATH ROAD	4			4		
99	54+53.6	224.8 LT	DEERPATH ROAD	20		20			

*COST INCLUDED IN EARTHWORK, SEE STANDARD SPECIFICATIONS OF ROADWAY AND BRIDGE CONSTRUCTION SECTION 201

FILE NAME = L:\7395\CAO\ISheets\General\Schedules\162865-Pr_Tree Removal_Sched_02.dgn

	USER NAME = c1iss	DESIGNED CEL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:2	CHECKED JWM	REVISED -			346	(21&215)-I	LAKE	290	28
	PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -			CONTRACT NO. 62B65				
						SCALE:	SHEET 2 OF 6 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

TREE REMOVAL AND PROTECTION									
TREE NUMBER	STATION	OFFSET LT/RT	STREET	SIZE	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	*TREE REMOVAL (UNDER 6 UNITS DIAMETER)	TEMPORARY FENCE (FT)	TREE TRUNK PROTECTION (EACH)
100	54+53.7	41.6 RT	DEERPATH ROAD	6	6				
101	54+54.0	151.8 RT	DEERPATH ROAD	16					1
102	54+55.7	147.4 RT	DEERPATH ROAD	14				20	1
103	54+57.7	87.0 RT	DEERPATH ROAD	3			3		
104	54+57.9	191.5 LT	DEERPATH ROAD	13	13				
105	54+57.9	39.4 RT	DEERPATH ROAD	16		16			
106	54+57.9	39.4 RT	DEERPATH ROAD	6	6				
107	54+58.5	164.8 RT	DEERPATH ROAD	21					1
108	54+59.0	143.9 RT	DEERPATH ROAD	5				20	1
109	54+60.8	34.6 LT	DEERPATH ROAD	22				20	1
110	54+61.4	101.2 RT	DEERPATH ROAD	3			3		
111	54+62.0	37.1 RT	DEERPATH ROAD	4			4		
112	54+62.6	30.8 RT	DEERPATH ROAD	4			4		
113	54+64.2	66.3 RT	DEERPATH ROAD	12	12				
114	54+71.5	78.0 RT	DEERPATH ROAD	15	15				
115	54+71.5	34.9 RT	DEERPATH ROAD	3			3		
116	54+72.3	38.4 RT	DEERPATH ROAD	4			4		
117	54+72.6	52.8 RT	DEERPATH ROAD	4			4		
118	54+74.1	33.7 LT	DEERPATH ROAD	25				20	1
119	54+74.6	79.6 RT	DEERPATH ROAD	11	11				
120	54+76.4	79.9 RT	DEERPATH ROAD	15	15				
121	54+76.9	33.1 RT	DEERPATH ROAD	3			3		
122	54+77.0	85.3 RT	DEERPATH ROAD	3			3		
123	54+77.8	59.6 RT	DEERPATH ROAD	3			3		
124	54+80.1	61.1 RT	DEERPATH ROAD	3			3		
125	54+80.8	47.4 RT	DEERPATH ROAD	5			5		
126	54+84.8	32.4 RT	DEERPATH ROAD	3			3		
127	54+88.9	50.0 RT	DEERPATH ROAD	5			5		
128	54+89.8	260.0 LT	DEERPATH ROAD	12	12				
129	54+89.9	53.5 RT	DEERPATH ROAD	12	12				
130	54+90.4	65.8 RT	DEERPATH ROAD	10	10				
131	54+90.5	367.2 LT	DEERPATH ROAD	6	6				
132	54+92.0	112.3 RT	DEERPATH ROAD	8	8				
133	54+94.9	80.9 RT	DEERPATH ROAD	10	10				
134	54+95.9	38.0 RT	DEERPATH ROAD	18				20	1
135	54+98.7	34.3 LT	DEERPATH ROAD	13				20	1
136	55+00.4	56.2 RT	DEERPATH ROAD	4				20	1
137	55+01.3	110.2 RT	DEERPATH ROAD	3			3		
138	55+02.1	55.9 RT	DEERPATH ROAD	9				20	1
139	55+06.7	64.8 RT	DEERPATH ROAD	6	6				
140	55+07.2	44.9 RT	DEERPATH ROAD	3			3		
141	55+07.5	34.6 LT	DEERPATH ROAD	28				20	1
142	55+08.4	148.3 RT	DEERPATH ROAD	10					1
143	55+11.2	54.6 RT	DEERPATH ROAD	4			4		
144	55+11.6	36.3 LT	DEERPATH ROAD	6	6				
145	55+12.2	104.2 RT	DEERPATH ROAD	7	7				
146	55+14.2	45.5 RT	DEERPATH ROAD	16				20	1
147	55+17.0	47.0 LT	DEERPATH ROAD	6	6				

TREE REMOVAL AND PROTECTION									
TREE NUMBER	STATION	OFFSET LT/RT	STREET	SIZE	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	*TREE REMOVAL (UNDER 6 UNITS DIAMETER)	TEMPORARY FENCE (FT)	TREE TRUNK PROTECTION (EACH)
148	55+19.1	56.5 RT	DEERPATH ROAD	4			4		
149	55+21.3	297.7 LT	DEERPATH ROAD	13	13				
150	55+22.1	98.3 RT	DEERPATH ROAD	4			4		
151	55+22.9	37.2 LT	DEERPATH ROAD	6	6				
152	55+24.6	139.7 RT	DEERPATH ROAD	11					1
153	55+27.8	162.4 RT	DEERPATH ROAD	5			5		
154	55+28.2	93.4 RT	DEERPATH ROAD	12	12				
155	55+29.5	37.3 LT	DEERPATH ROAD	8	8				
156	55+30.5	171.4 RT	DEERPATH ROAD	2			2		
157	55+31.7	34.2 LT	DEERPATH ROAD	13				20	1
158	55+34.7	351.0 LT	DEERPATH ROAD	6	6				
159	55+35.0	44.9 LT	DEERPATH ROAD	5			5		
160	55+41.3	35.4 LT	DEERPATH ROAD	7	7				
161	55+41.9	44.6 LT	DEERPATH ROAD	4			4		
162	55+45.3	44.5 LT	DEERPATH ROAD	6	6				
163	55+45.7	418.7 LT	DEERPATH ROAD	7				20	
164	55+49.6	33.4 LT	DEERPATH ROAD	14				20	1
165	55+50.5	44.3 LT	DEERPATH ROAD	6	6				
166	55+52.3	45.1 LT	DEERPATH ROAD	4			4		
167	55+58.6	34.8 LT	DEERPATH ROAD	3				20	1
168	55+60.7	46.1 LT	DEERPATH ROAD	9				20	
169	55+64.7	38.7 LT	DEERPATH ROAD	5			5		
170	55+66.2	33.8 LT	DEERPATH ROAD	22				20	1
171	55+68.1	377.7 LT	DEERPATH ROAD	16				20	1
172	55+70.7	42.1 LT	DEERPATH ROAD	8	8				
173	55+73.0	34.8 LT	DEERPATH ROAD	14				20	1
174	55+81.9	37.8 LT	DEERPATH ROAD	4			4		
175	55+84.4	35.2 LT	DEERPATH ROAD	16				20	1
176	55+87.3	37.8 LT	DEERPATH ROAD	6	6				
177	55+89.7	44.3 LT	DEERPATH ROAD	14				20	
178	55+90.9	34.2 LT	DEERPATH ROAD	3			3		
179	55+90.9	34.2 LT	DEERPATH ROAD	17		17			
180	55+97.0	34.4 LT	DEERPATH ROAD	4			4		
181	55+99.4	46.0 LT	DEERPATH ROAD	8				20	
182	55+99.8	38.7 LT	DEERPATH ROAD	15				20	1
183	56+05.3	37.5 LT	DEERPATH ROAD	3			3		
184	56+12.1	48.4 LT	DEERPATH ROAD	9	9				
185	56+14.9	34.7 LT	DEERPATH ROAD	14	14				
186	56+16.1	51.6 LT	DEERPATH ROAD	10	10				
187	56+26.2	33.8 LT	DEERPATH ROAD	16		16			
188	56+28.2	39.9 LT	DEERPATH ROAD	12	12				
189	56+31.8	240.6 LT	DEERPATH ROAD	33				20	1
190	56+33.0	33.6 LT	DEERPATH ROAD	18		18			
191	56+34.4	47.0 LT	DEERPATH ROAD	9	9				
192	56+38.4	33.7 LT	DEERPATH ROAD	15				20	1
193	56+41.8	43.9 LT	DEERPATH ROAD	8				20	
194	56+45.1	34.3 LT	DEERPATH ROAD	10				20	1
195	56+49.8	33.4 LT	DEERPATH ROAD	12				20	1

*COST INCLUDED IN EARTHWORK, SEE STANDARD SPECIFICATIONS OF ROADWAY AND BRIDGE CONSTRUCTION SECTION 201

FILE NAME = L:\7395\CAO\ISheets\General\Schedules\0162865-Pr_Tree Removal_Sched_03.dgn

	USER NAME = c1iss	DESIGNED CEL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES OF QUANTITIES TREE SCHEDULE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:2	CHECKED JWM	REVISED -			346	(21&215)-I	LAKE	290	29
	PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -			CONTRACT NO. 62B65				
						SCALE:	SHEET 3 OF 6 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

TREE REMOVAL AND PROTECTION										
TREE NUMBER	STATION	OFFSET LT/RT	STREET	SIZE	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	*TREE REMOVAL (UNDER 6 UNITS DIAMETER)	TEMPORARY FENCE (FT)	TREE TRUNK PROTECTION (EACH)	
196	56+50.0	201.6	LT	DEERPATH ROAD	12			20	1	
197	56+70.9	127.8	LT	DEERPATH ROAD	8			20		
198	57+03.4	408.5	LT	DEERPATH ROAD	17			20	1	
199	57+17.4	378.3	LT	DEERPATH ROAD	13			20	1	
200	57+40.7	432.6	LT	DEERPATH ROAD	19			20	1	
201	58+25.7	495.8	LT	DEERPATH ROAD	13			20		
202	59+90.4	564.3	LT	DEERPATH ROAD	7			20	1	
203	60+11.9	605.2	LT	DEERPATH ROAD	12			20	1	
204	60+16.5	615.1	LT	DEERPATH ROAD	12			20	1	
206	66+06.0	22.7	LT	DEERPATH ROAD	3		3			
208	66+64.8	24.3	LT	DEERPATH ROAD	8	8				
209	67+00.3	21.4	LT	DEERPATH ROAD	7	7				
210	67+15.1	357.0	LT	DEERPATH ROAD	6	6				
211	67+34.6	21.7	LT	DEERPATH ROAD	7	7				
212	67+51.1	352.2	LT	DEERPATH ROAD	12	12				
213	67+59.1	127.2	LT	DEERPATH ROAD	4		4			
214	67+76.8	138.9	LT	DEERPATH ROAD	4		4			
215	67+89.4	335.4	LT	DEERPATH ROAD	9			20	1	
216	67+91.3	294.0	LT	DEERPATH ROAD	6	6				
217	67+94.3	187.9	LT	DEERPATH ROAD	4		4			
218	68+06.5	181.8	LT	DEERPATH ROAD	3		3			
219	68+12.5	114.0	LT	DEERPATH ROAD	5		5			
220	68+12.8	138.3	LT	DEERPATH ROAD	6	6				
221	68+23.9	305.7	LT	DEERPATH ROAD	16			20	1	
222	68+36.9	23.4	LT	DEERPATH ROAD	10			20	1	
223	68+37.9	256.6	LT	DEERPATH ROAD	17	17				
224	68+80.4	248.1	LT	DEERPATH ROAD	19			20	1	
225	69+14.7	20.8	LT	DEERPATH ROAD	49			20	1	
226	69+15.3	221.8	LT	DEERPATH ROAD	17			20	1	
227	69+57.8	94.7	LT	DEERPATH ROAD	18	18				
228	62+69.2	578.3	LT	DEERPATH ROAD	6			20	1	
229	62+78.8	570.4	LT	DEERPATH ROAD	6			20	1	
230	62+88.2	579.2	LT	DEERPATH ROAD	14			20	1	
231	63+11.8	565.5	LT	DEERPATH ROAD	18			20	1	
232	63+23.5	609.9	LT	DEERPATH ROAD	12			20	1	
233	63+41.6	608.6	LT	DEERPATH ROAD	8			20	1	
SOUTH SIDE ON PUMP STATION SITE								180		
					TOTALS	742	227	250	1320	60

*COST INCLUDED IN EARTHWORK, SEE STANDARD SPECIFICATIONS OF ROADWAY AND BRIDGE CONSTRUCTION SECTION 201

FILE NAME = L:\7355\CAD\Drawings\General\Schedules\162865-Pr...Tree Removal_Sched_04.dgn

	USER NAME = c1iss	DESIGNED CEL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES OF QUANTITIES TREE SCHEDULE			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:2	DRAWN CEL	REVISED -					346	(21&21S)-I	LAKE	290	30
	PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -					CONTRACT NO. 62B65				
	DATE 06/26/20	DATE 06/26/20	REVISED -					SCALE:	SHEET 4	OF 6	SHEETS	STA.

CURB AND GUTTER SCHEDULE						
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (FOOT)	CURB REMOVAL AND REPLACEMENT
44+41	15.5 RT	45+89	32.2 RT			153
44+48	24.7 LT	45+70	16.3 LT			122
47+19	16.0 LT	48+70	18.3 LT			150
47+51	28.0 RT	48+18	27.6 RT			67
48+71	16.8 LT	50+25	63.0 LT	81		
49+24	254.4 LT	49+24	289.1 LT			31
49+48	254.4 LT	49+48	289.1 LT			31
49+48	46.9 LT	50+52	47.0 LT		141	
49+48	50.8 RT	50+52	42.6 RT		140	
51+52	16.1 RT	51+73	16.2 RT			21
51+53	16.0 LT	51+73	16.1 LT			21
52+47	16.2 RT	52+66	16.2 RT			19
52+48	16.0 LT	52+67	16.0 LT			20
53+59	16.2 RT	55+42	99.5 RT			235
54+09	16.2 LT	54+14	16.2 LT			5
54+72	16.1 LT	56+52	14.6 LT			180
55+27	59.6 RT	55+27	77.6 RT	343		
55+64	69.6 RT	55+67	40.6 RT			29
55+70	24.9 RT	55+79	18.4 RT			11
63+34	16.0 LT	69+29	14.1 LT			595
65+32	15.5 RT	67+44	13.9 RT			228
69+13	14.0 RT	69+23	14.0 RT			10
			TOTAL	424	281	1928

PAVED SHOULDER REMOVAL SCHEDULE				
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY (SY)
49+59	28.1 LT	50+41	28.7 LT	79.07
49+59	27.9 RT	50+41	27.2 RT	86.85
			TOTAL	166

DRIVEWAY REMOVAL AND REPLACEMENT SCHEDULE				
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY (SY)
64+52	21.3 LT	64+62	21.2 LT	11.8
			TOTAL	12

PAVEMENT REMOVAL SCHEDULE				
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY (SY)
53+67	421.7 LT	56+96	422.5 LT	1062.2
53+77	156.9 RT	55+38	73.7 RT	206.9
57+72	462.0 LT	58+26	425.9 LT	43.7
63+34	16.0 LT	69+29	14.1 LT	375
			TOTAL	1688

FENCE SCHEDULE					
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	CHAIN LINK FENCE, 4' (FOOT)	CHAIN LINK FENCE REMOVAL (FOOT)
49+20	230.5 LT	49+20	323.5 LT		93
49+20	230.5 LT	49+20	323.5 LT	93	
			TOTAL	93	93

DETECTABLE WARNINGS SCHEDULE		
STATION	OFFSET	QUANTITY (SF)
45+83	28.6 RT	26.8
49+07	29.9 LT	20.8
49+56	29.8 LT	10.0
49+52	40.0 RT	12.0
50+44	29.8 LT	10.0
50+44	29.6 RT	10.0
55+26	21.3 RT	26.4
55+77	22.1 RT	17.0
	TOTAL	134

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH SCHEDULE				
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY (SF)
47+19	18.0 LT	49+10	336.9 LT	3188
49+52	32.1 LT	50+49	32.1 LT	725
51+53	17.6 LT	51+73	17.7 LT	107
52+48	17.5 LT	52+67	17.6 LT	103
54+09	17.7 LT	54+14	17.7 LT	27
54+51	17.7 LT	56+45	23.4 LT	961
67+10	27.1 LT	67+29	32.0 LT	96
67+71	26.9 LT	68+04	31.6 LT	162
68+78	26.6 LT	68+92	31.7 LT	68
44+72	31.0 RT	45+87	32.2 RT	779
49+50	43.0 RT	50+48	32.1 RT	832
51+48	17.7 RT	52+66	17.8 RT	589
53+59	17.8 RT	55+32	89.6 RT	1705
55+73	24.9 RT	55+86	19.9 RT	80
53+91	58.0 RT	54+43	107.0 RT	1215
			TOTAL	10637

PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH		
STATION	OFFSET	QUANTITY (SY)
55+32	69.1 RT	15.0
	TOTAL	15

CURB AND GUTTER REMOVAL SCHEDULE				
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY (FOOT)
49+48	46.9 LT	50+52	47.0 LT	143
49+48	50.8 RT	50+52	42.6 RT	144
			TOTAL	287

CLASS D PATCHES SCHEDULE						
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	CLASS D PATCHES, TYPE IV, 12 INCH (SY)	CLASS D PATCHES, TYPE IV, 6 INCH (SY)	CLASS D PATCHES, TYPE IV, 12 INCH (SPECIAL) (SY)
44+42	15.4 RT	48+34	16.5 LT	858.1		
48+84	27.7 RT	48+89	19.2 RT	26.5		
50+51	41.4 RT	54+14	16.2 RT	526.9		
54+57	16.3 RT	55+97	45.9 LT		171.7	
55+37	46.3 RT	55+67	40.6 RT		25.6	
65+10	16.8 RT	67+60	3.8 RT		293.3	
68+89	14.0 LT	68+98	14.0 LT		74.7	
59+91	510.4 LT	62+69	603.2 LT			1285.7
49+24	248.6 LT	49+48	289.0 LT			81.0
			TOTAL	1411	566	1367

PINNING TEMPORARY CONCRETE BARRIER					
FROM STATION	TO STATION	LT/RT	LENGTH	QUANTITY (EACH)	STAGE
43+94	49+09	RT	275	60	1A
47+61	48+70	RT	112.5	21	1A
50+61	54+83	RT	425	96	1A
152+11	153+13	LT	112.5	21	1A
46+68	47+61	RT	50	6	1B
64+12	68+18	RT	410	93	2
			TOTAL	297	

NOTE: NOMINAL QUANTITIES FOR CLASS D PATCHES, TYPE I, TYPE II, AND TYPE III, 12 INCH HAVE BEEN INCLUDED IN THE SUMMARY OF QUANTITIES.

FILE NAME = L:\7355\QAQ\Drawings\General\Schedules\0162865-Pr_Various_Sched_05.dgn

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	PLOT SCALE = 1:100	DRAWN CEL	REVISED -
	PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -
		DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES REMOVAL AND ROADWAY ITEMS			
SCALE:	SHEET 5 OF 6 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&215)-I	LAKE	290	31
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1.5" SCHEDULE					
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY (SF)	TONS
SHARED-USE PATH					
53+78	156.4 RT	55+32	88.1 RT	1651.0	15.4
			TOTAL	1651.0	15.4

HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 2.5" SCHEDULE					
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY (SF)	TONS
SHARED-USE PATH					
53+78	156.4 RT	55+32	88.1 RT	1651.0	25.7
			TOTAL	1651.0	25.7

HOT-MIX ASPHALT PAVEMENT SURFACE REMOVAL, VARIABLE DEPTH SCHEDULE				
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY (SY)
44+20	0	73+54	0	11609.0
			TOTAL	11609

SIDEWALK REMOVAL SCHEDULE				
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY (SF)
44+73	27.6 RT	45+84	28.5 RT	571.6
47+19	21.7 LT	49+08	337.0 LT	2206.0
49+55	27.1 LT	50+45	27.1 LT	567.1
49+51	34.8 RT	50+45	27.1 RT	590.4
51+33	20.2 LT	51+73	20.3 LT	106.4
51+48	20.1 RT	52+66	20.2 RT	585.7
52+48	20.1 LT	52+67	20.1 LT	103.0
53+59	20.4 RT	55+30	69.8 RT	1117.2
54+09	20.4 LT	54+14	20.4 LT	26.4
54+72	20.3 LT	56+44	25.9 LT	1043.3
55+77	24.8 RT	55+91	19.9 RT	83.0
65+18	20.8 LT	65+23	20.9 LT	55.8
67+09	29.6 LT	67+29	29.5 LT	95.4
67+71	29.3 LT	68+04	29.2 LT	161.6
68+78	29.1 LT	68+92	29.1 LT	67.6
			TOTAL	7380

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2.25" SCHEDULE					
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY (SF)	TONS
HMA RESURFACING					
44+20	0	73+54	0	102415.6	1433.8
COMPOSITE PAVEMENT WIDENING					
49+54	23.3 LT	50+37	18.3 LT	481.3	6.7
49+60	18.8 RT	50+37	17.3 RT	485.2	6.8
			TOTAL	103382.1	1447.3

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1.5" SCHEDULE					
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY (SF)	TONS
HMA RESURFACING					
44+20	0	73+54	0	103614.0	967.1
COMPOSITE PAVEMENT WIDENING					
49+54	23.3 LT	50+37	18.3 LT	481.3	4.5
49+60	18.8 RT	50+37	17.3 RT	485.2	4.5
			TOTAL	104580.5	976.1

PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10" SCHEDULE				
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY (SY)
49+54	23.3 LT	50+37	18.3 LT	53.5
49+60	18.8 RT	50+37	17.3 RT	53.9
			TOTAL	108

SUBBASE GRANULAR MATERIAL, TYPE B 4"				
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY (SY)
TEMPORARY PAVEMENT				
63+34	16.0 LT	6950	16.0 LT	375.0
HMA DRIVEWAY PVT 10"				
54+01	130.5 RT	5531.4	77.6 RT	423.6
HMA DRIVEWAY PVT 8"				
55+32	69.1 RT	5538	69.1 RT	13.5
PCC DRIVEWAY PAVT 8				
55+38	70.0 RT	5542	70.0 RT	15.0
PCC SIDEWALK 5				
47+19	18.0 LT	49+10	336.9 LT	354.2
49+52	32.1 LT	50+49	32.1 LT	80.6
51+53	17.6 LT	51+73	17.7 LT	11.9
52+48	17.5 LT	52+67	17.6 LT	11.4
54+09	17.7 LT	54+14	17.7 LT	3.0
54+51	17.7 LT	56+45	23.4 LT	106.8
67+10	27.1 LT	67+29	32.0 LT	10.7
67+71	26.9 LT	68+04	31.6 LT	18.0
68+78	26.6 LT	68+92	31.7 LT	7.6
44+72	31.0 RT	45+87	32.2 RT	86.6
49+50	43.0 RT	50+48	32.1 RT	92.4
51+48	17.7 RT	52+66	17.8 RT	65.4
53+59	17.8 RT	55+32	89.6 RT	189.4
55+73	24.9 RT	55+86	19.9 RT	8.9
53+91	58.0 RT	54+43	107.0 RT	135.0
HMA BIKE PATH, 4"				
53+78	156.4 RT	5532	8.1 RT	183.4
			TOTAL	2192

TEMPORARY PAVEMENT SCHEDULE				
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY (SY)
63+34	16.0 LT	69+29	14.1 LT	375
			TOTAL	375

HOT-MIX ASPHALT DRIVEWAY PAVEMENT,			
STATION	OFFSET	10 INCH COMMERCIAL ENTRANCE (SY)	8 INCH PRIVATE ENTRANCE (SY)
45+53	18.5 LT		13.5
55+38	68.5 RT	423.6	
	TOTAL	424	14

AGGREGATE SUBGRADE IMPROVEMENT 12 INCH SCHEDULE				
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY (SY)
49+54	23.3 LT	50+37	18.3 LT	64.8
49+60	18.8 RT	50+37	17.3 RT	65.1
			TOTAL	130

BITUMINOUS MATERIAL SCHEDULE						
FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	QUANTITY (SF)	TACK COAT (POUNDS)	PRIME COAT (POUNDS)
HMA RESURFACING - 1 APPLICATION OF TACK AT 0.05 LB/SQ FT AND 1 APPLICATION OF TACK AT 0.025 LB/SQ FT						
44+20	0	73+54	0	103614.0	7771.1	0.0
COMPOSITE PAVEMENT WIDENING - 1 APPLICATION OF TACK AT 0.05 LB/SQ FT AND 1 APPLICATION OF TACK AT 0.025 LB/SQ FT						
49+54	23.3 LT	50+37	18.3 LT	481.3	36.1	0.0
49+60	18.8 RT	50+37	17.3 RT	485.2	36.4	0.0
SHARED USE PATH - 1 APPLICATION OF TACK AT 0.025 LB/SQ FT AND ONE APPLICATION OF PRIME AT 0.25 LB/SQ FT						
53+78	156.4 RT	55+32	88.1 RT	1651	41.3	412.8
			TOTAL	106231	7885	413

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	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF QUANTITIES REMOVAL AND ROADWAY ITEMS			
SCALE:	SHEET	OF	SHEETS
	6	6	

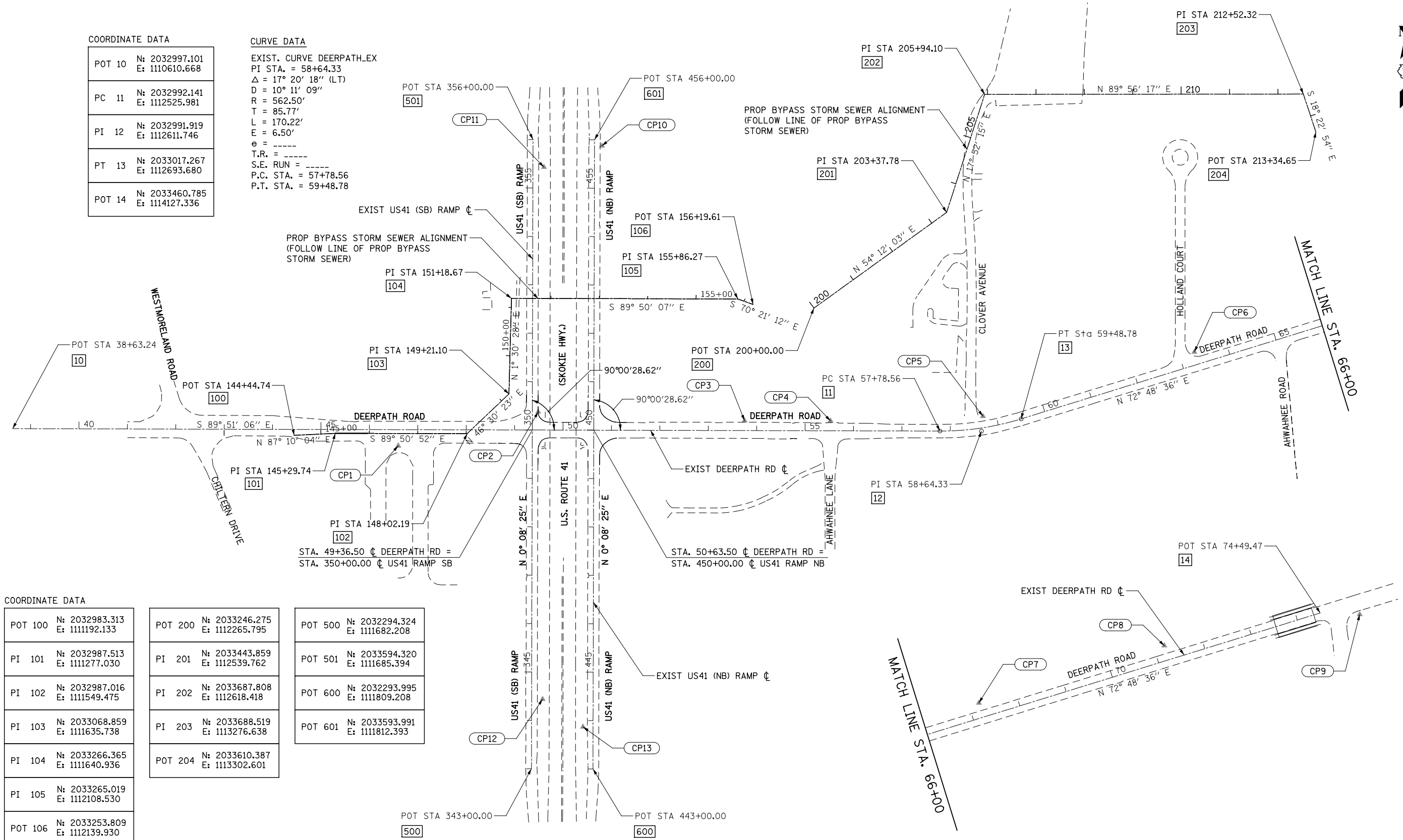
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CONTRACT NO. 62B65				ILLINOIS FED. AID PROJECT

COORDINATE DATA

POT 10	N: 2032997.101 E: 1110610.668
PC 11	N: 2032992.141 E: 1112525.981
PI 12	N: 2032991.919 E: 1112611.746
PT 13	N: 2033017.267 E: 1112693.680
POT 14	N: 2033460.785 E: 1114127.336

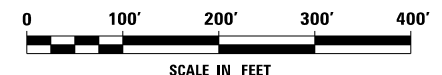
CURVE DATA

EXIST. CURVE DEERPETH.EX
 PI STA. = 58+64.33
 $\Delta = 17^\circ 20' 18''$ (LT)
 D = $10^\circ 11' 09''$
 R = 562.50'
 T = 85.77'
 L = 170.22'
 E = 6.50'
 $e = \text{-----}$
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 57+78.56
 P.T. STA. = 59+48.78



COORDINATE DATA

POT 100	N: 2032983.313 E: 1111192.133	POT 200	N: 2033246.275 E: 1112265.795	POT 500	N: 2032294.324 E: 1111682.208
PI 101	N: 2032987.513 E: 1111277.030	PI 201	N: 2033443.859 E: 1112539.762	POT 501	N: 2033594.320 E: 1111685.394
PI 102	N: 2032987.016 E: 1111549.475	PI 202	N: 2033687.808 E: 1112618.418	POT 600	N: 2032293.995 E: 1111809.208
PI 103	N: 2033068.859 E: 1111635.738	PI 203	N: 2033688.519 E: 1113276.638	POT 601	N: 2033593.991 E: 1111812.393
PI 104	N: 2033266.365 E: 1111640.936	POT 204	N: 2033610.387 E: 1113302.601		
PI 105	N: 2033265.019 E: 1112108.530				
POT 106	N: 2033253.809 E: 1112139.930				



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	DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: AS SHOWN SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&215)-I	LAKE	290	33
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

PROP. CURVE PR_WALL_W088_3
 PI STA. = 400+27.44
 $\Delta = 65^\circ 37' 32''$ (RT)
 $D = 134^\circ 37' 33''$
 $R = 42.56'$
 $T = 27.44'$
 $L = 48.75'$
 $E = 8.08'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 400+00.00
 P.T. STA. = 400+48.75

PROP. CURVE PR_WALL_W088_6
 PI STA. = 400+88.16
 $\Delta = 44^\circ 34' 44''$ (RT)
 $D = 165^\circ 27' 51''$
 $R = 34.63'$
 $T = 14.19'$
 $L = 26.94'$
 $E = 2.80'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 400+73.97
 P.T. STA. = 401+00.91

PROP. CURVE PR_WALL_W088_7
 PI STA. = 401+12.35
 $\Delta = 24^\circ 50' 08''$ (LT)
 $D = 110^\circ 15' 21''$
 $R = 51.97'$
 $T = 11.44'$
 $L = 22.53'$
 $E = 1.24'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 401+00.91
 P.T. STA. = 401+23.43

PROP. CURVE PR_WALL_W088_10
 PI STA. = 401+78.26
 $\Delta = 24^\circ 24' 16''$ (RT)
 $D = 381^\circ 58' 19''$
 $R = 15.00'$
 $T = 3.24'$
 $L = 6.39'$
 $E = 0.35'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 401+75.02
 P.T. STA. = 401+81.41

PROP. CURVE PR_WALL_W088_11
 PI STA. = 401+93.77
 $\Delta = 39^\circ 57' 08''$ (RT)
 $D = 168^\circ 31' 01''$
 $R = 34.00'$
 $T = 12.36'$
 $L = 23.71'$
 $E = 2.18'$
 $e = \text{-----}$
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 $S.E. RUN = \text{-----}$
 P.C. STA. = 401+81.41
 P.T. STA. = 402+05.12

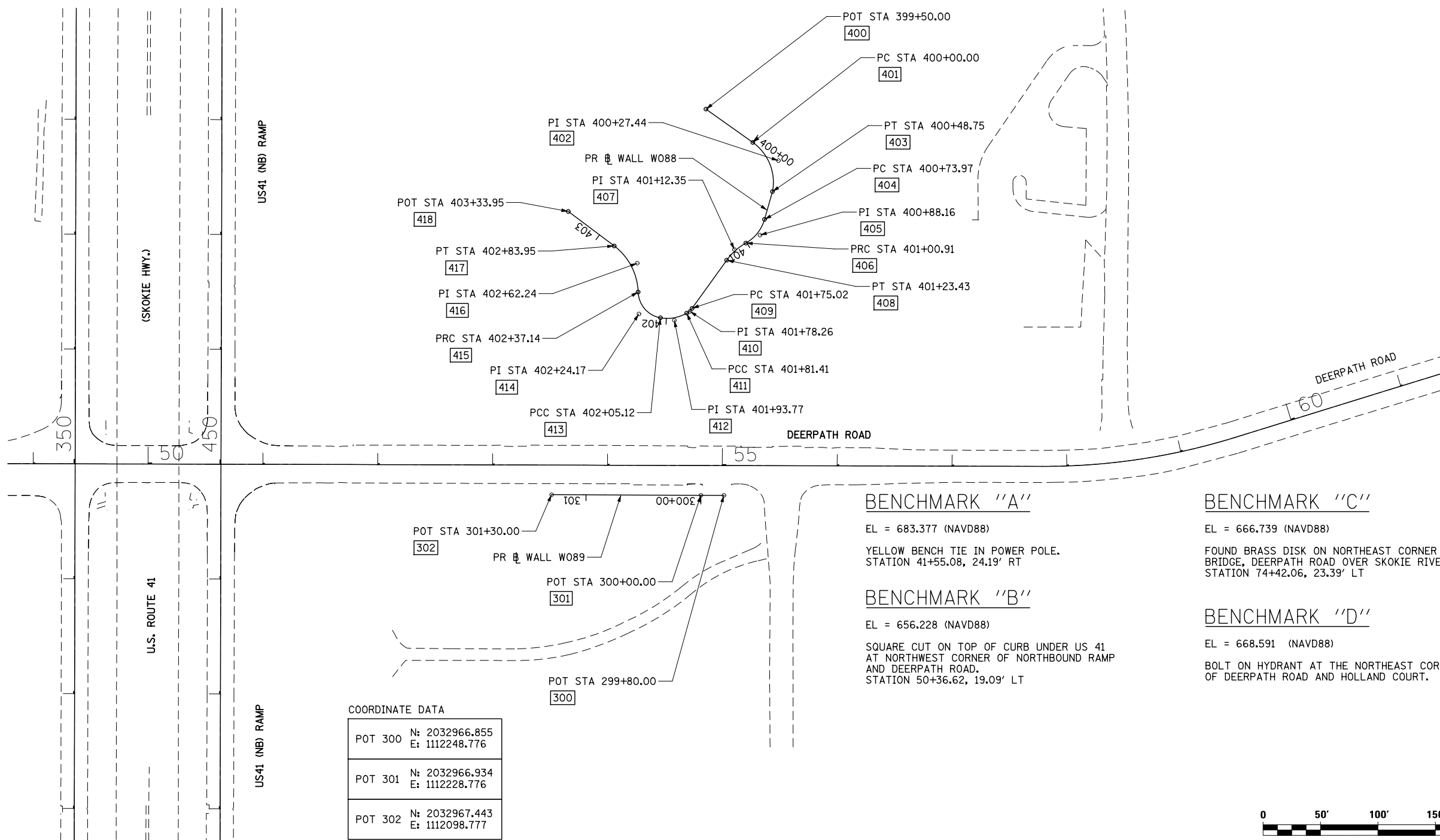
PROP. CURVE PR_WALL_W088_12
 PI STA. = 402+24.17
 $\Delta = 78^\circ 04' 18''$ (RT)
 $D = 243^\circ 48' 43''$
 $R = 23.50'$
 $T = 19.05'$
 $L = 32.02'$
 $E = 6.75'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. RUN = \text{-----}$
 P.C. STA. = 402+05.12
 P.T. STA. = 402+37.14

PROP. CURVE PR_WALL_W088_13
 PI STA. = 402+62.24
 $\Delta = 51^\circ 14' 35''$ (LT)
 $D = 109^\circ 28' 20''$
 $R = 52.34'$
 $T = 25.10'$
 $L = 46.81'$
 $E = 5.71'$
 $e = \text{-----}$
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 $S.E. RUN = \text{-----}$
 P.C. STA. = 402+37.14
 P.T. STA. = 402+83.95



COORDINATE DATA

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PC 401	N: 2033274.176 E: 1112273.930
PI 402	N: 2033258.298 E: 1112296.310
PT 403	N: 2033231.360 E: 1112291.084
PC 404	N: 2033207.117 E: 1112284.136
PI 405	N: 2033193.472 E: 1112280.226
PRC 406	N: 2033186.498 E: 1112267.863
PI 407	N: 2033180.876 E: 1112257.897
PT 408	N: 2033171.588 E: 1112251.214
PC 409	N: 2033129.713 E: 1112221.084
PI 410	N: 2033127.080 E: 1112219.190
PCC 411	N: 2033125.465 E: 1112216.377
PI 412	N: 2033119.312 E: 1112205.658
PCC 413	N: 2033121.477 E: 1112193.491
PI 414	N: 2033124.816 E: 1112174.731
PRC 415	N: 2033143.861 E: 1112174.121
PI 416	N: 2033168.948 E: 1112173.317
PT 417	N: 2033184.026 E: 1112153.250
POT 418	N: 2033214.062 E: 1112113.277



COORDINATE DATA

POT 300	N: 2032966.855 E: 1112248.776
POT 301	N: 2032966.934 E: 1112228.776
POT 302	N: 2032967.443 E: 1112098.777

BENCHMARK "A"

EL = 683.377 (NAVD88)
 YELLOW BENCH TIE IN POWER POLE.
 STATION 41+55.08, 24.19' RT

BENCHMARK "B"

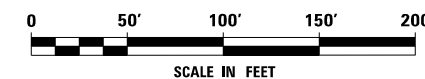
EL = 656.228 (NAVD88)
 SQUARE CUT ON TOP OF CURB UNDER US 41
 AT NORTHWEST CORNER OF NORTHBOUND RAMP
 AND DEERPETH ROAD.
 STATION 50+36.62, 19.09' LT

BENCHMARK "C"

EL = 666.739 (NAVD88)
 FOUND BRASS DISK ON NORTHEAST CORNER OF
 BRIDGE, DEERPETH ROAD OVER SKOKIE RIVER.
 STATION 74+42.06, 23.39' LT

BENCHMARK "D"

EL = 668.591 (NAVD88)
 BOLT ON HYDRANT AT THE NORTHEAST CORNER
 OF DEERPETH ROAD AND HOLLAND COURT.



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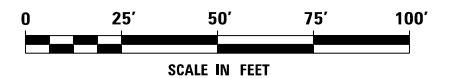
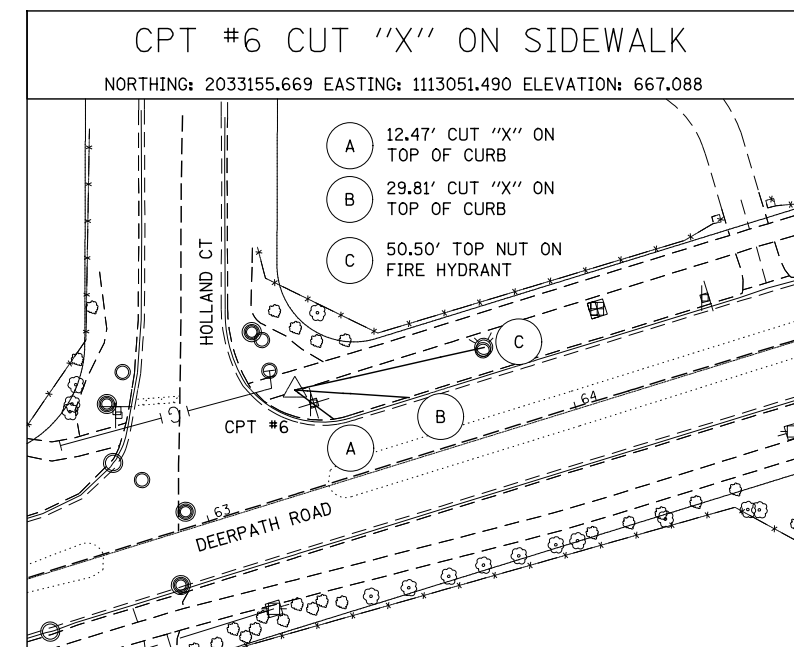
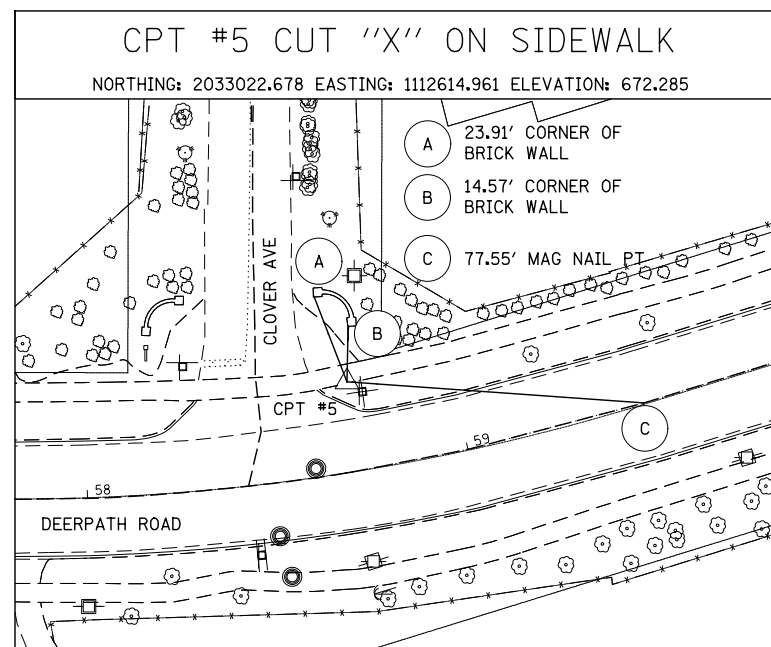
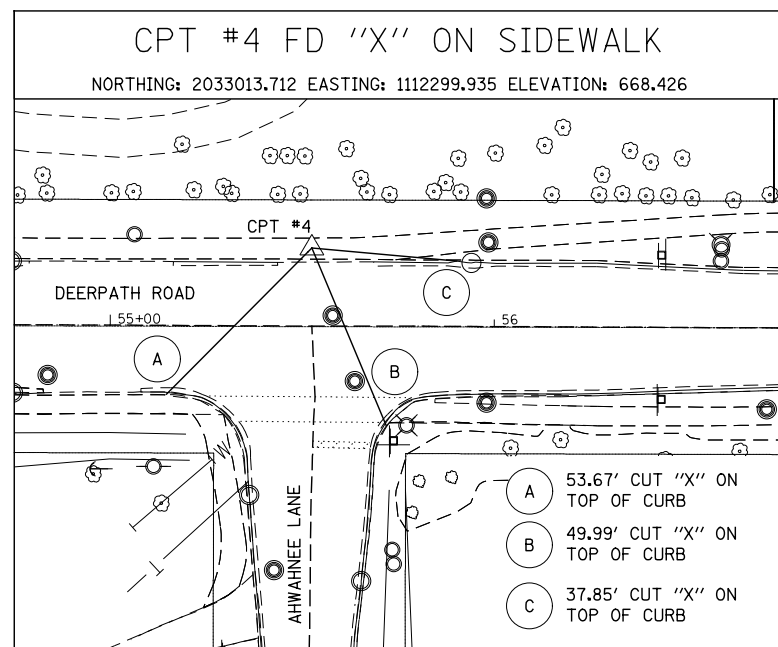
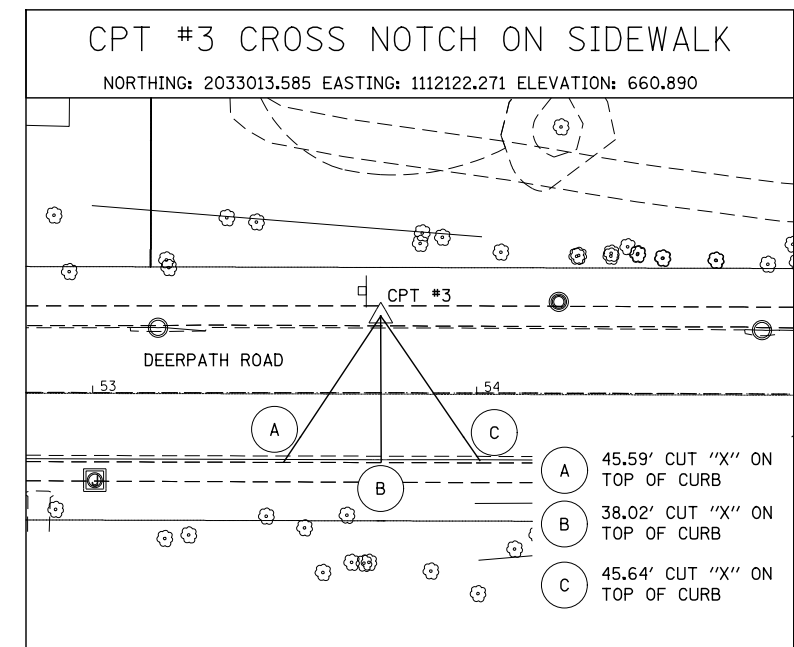
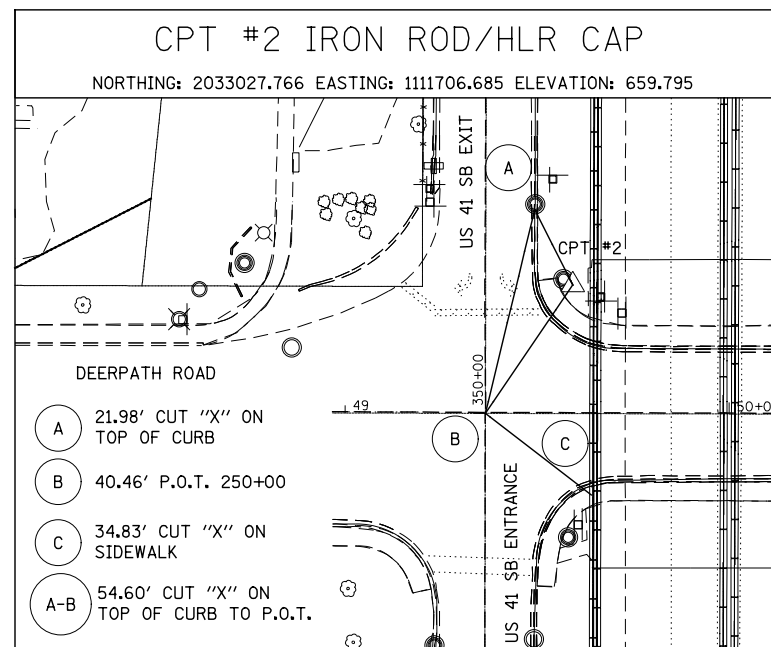
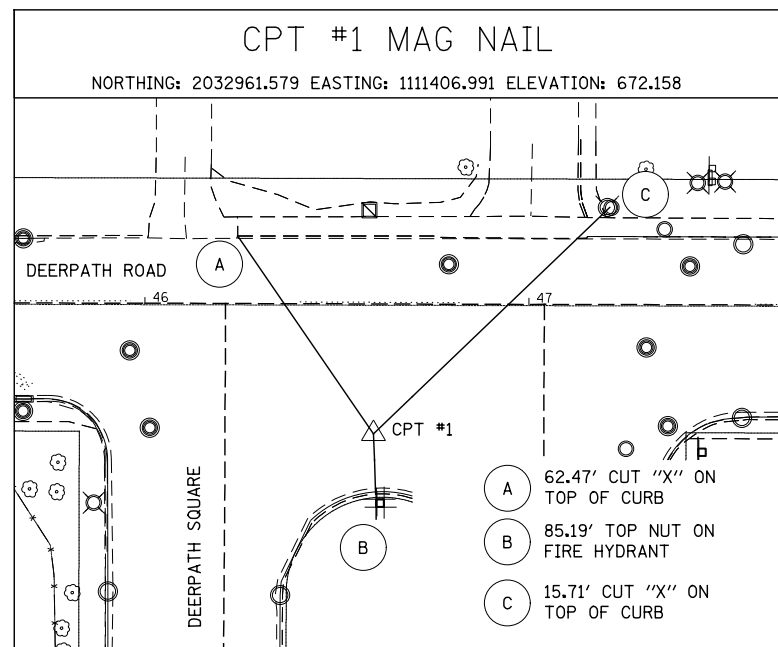
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	DATE 06/26/20	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: AS SHOWN SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE. 346	SECTION (21&215)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 34
CONTRACT NO. 62B65				ILLINOIS FED. AID PROJECT



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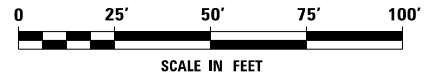
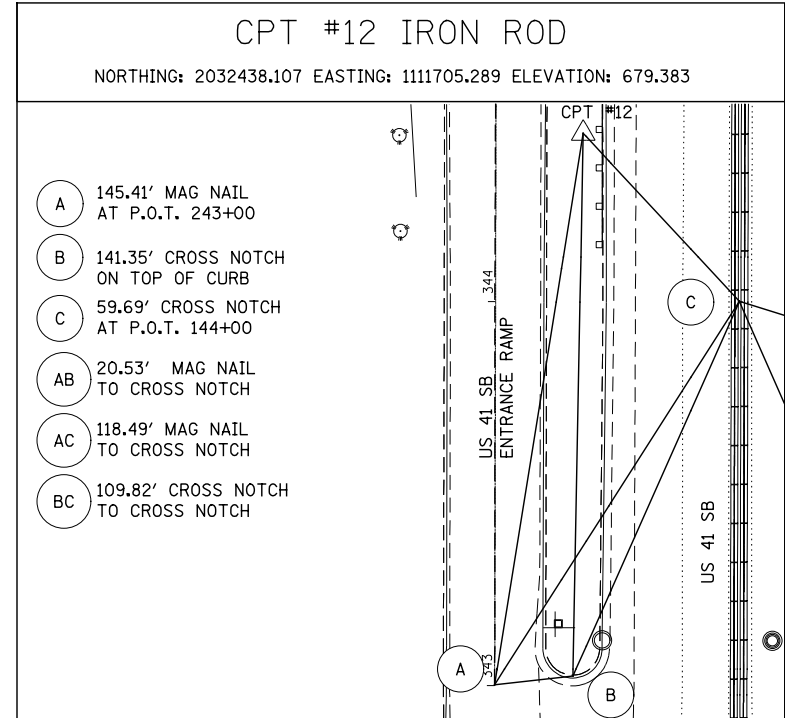
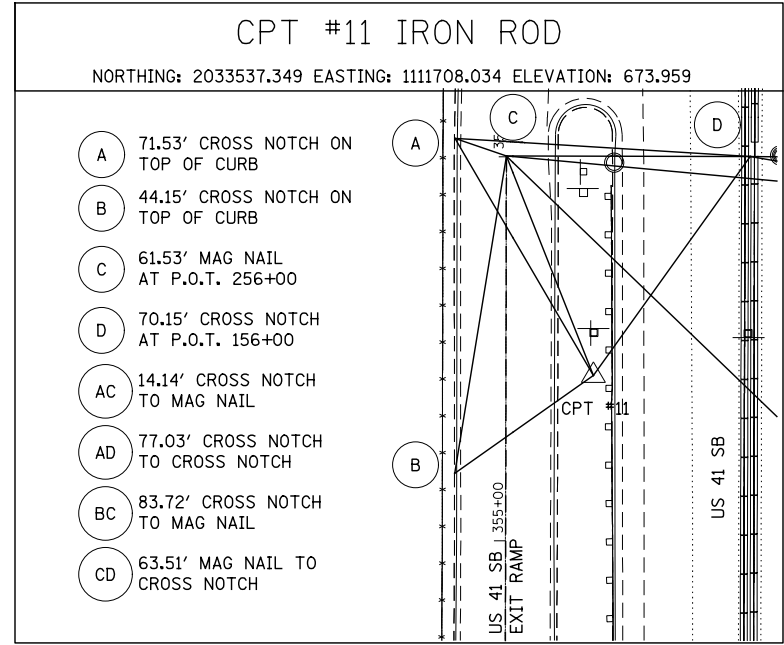
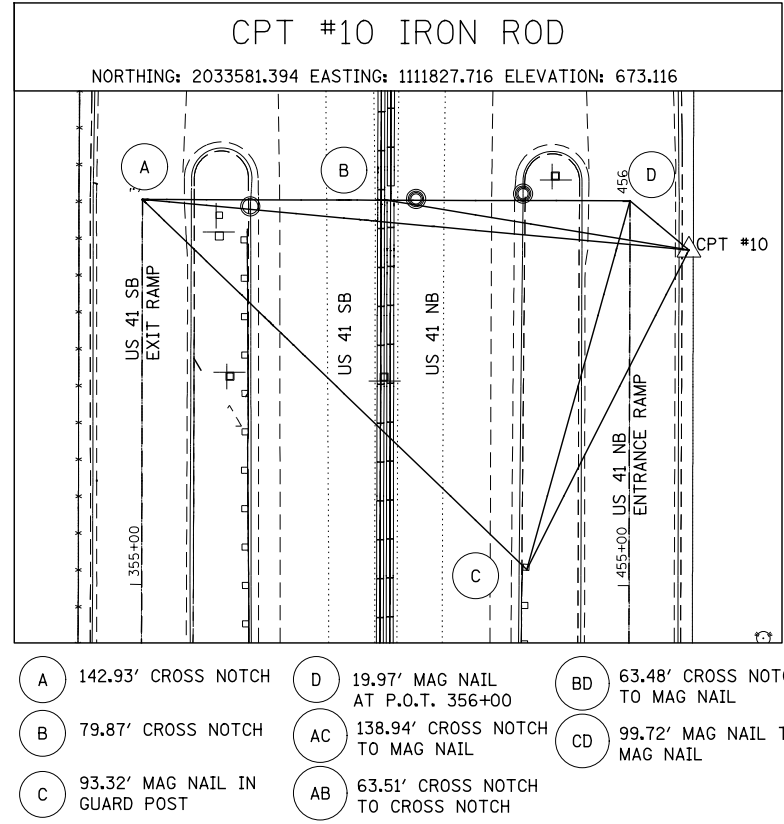
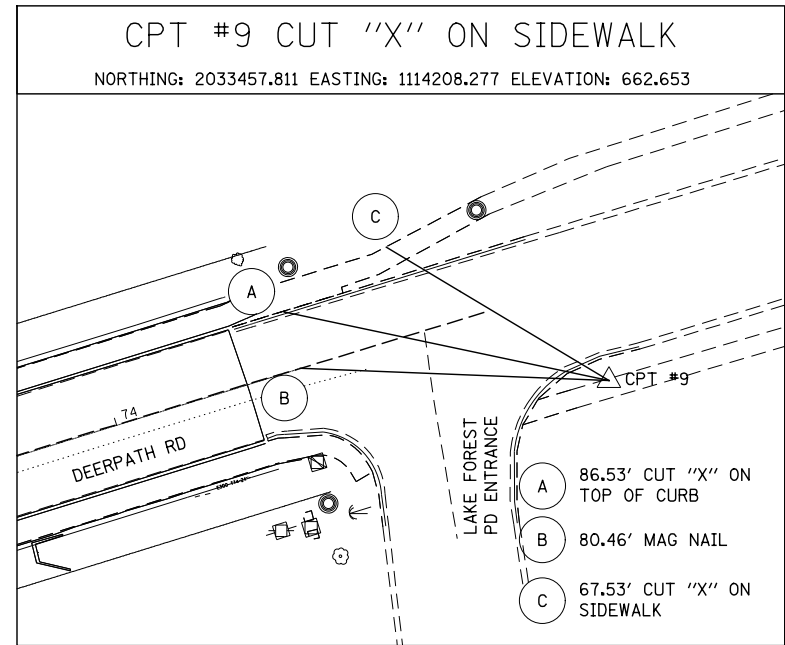
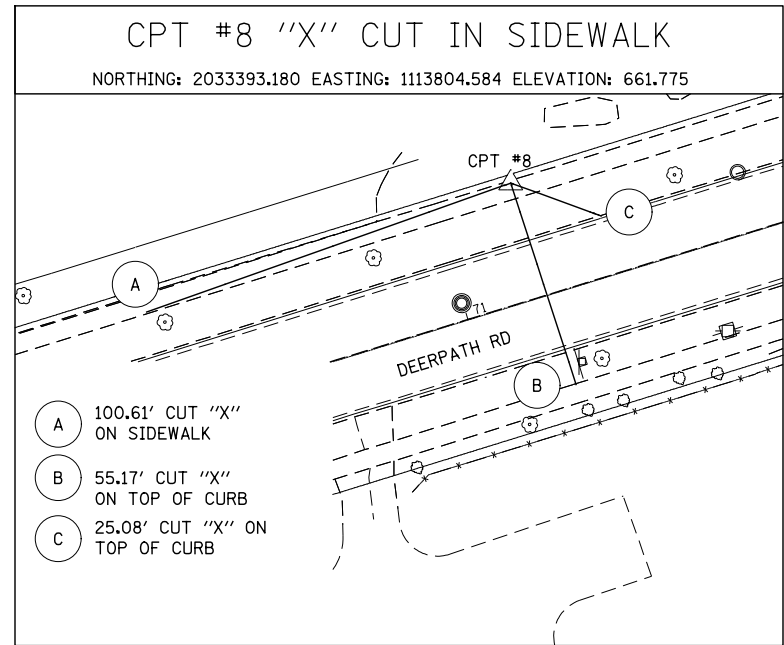
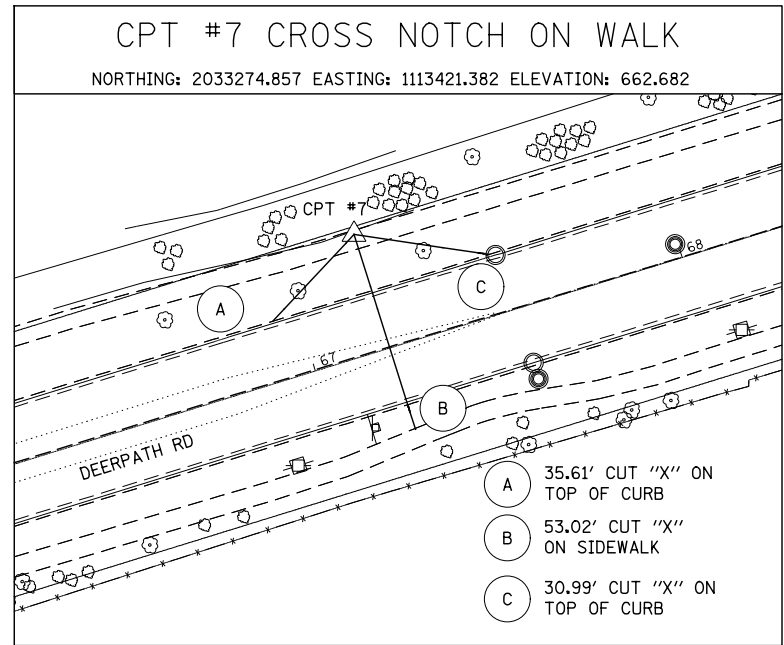


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

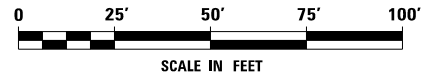
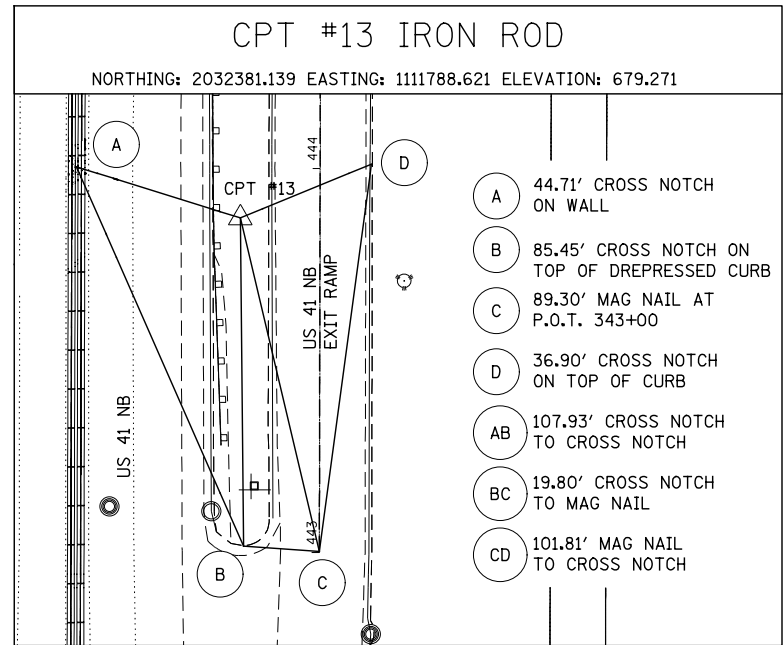
ALIGNMENT, TIES AND BENCHMARKS			
SCALE: AS SHOWN	SHEET 3	OF 5 SHEETS	STA. TO STA.

F.A.P. RTE. 346	SECTION (21&215)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 35
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				



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KNIGHT Engineers & Architects	USER NAME = c11ss	DESIGNED DGB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT, TIES AND BENCHMARKS			F.A.P. RTE. 346	SECTION (21&215)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 36
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PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -	ILLINOIS FED. AID PROJECT									



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



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**



ALIGNMENT, TIES AND BENCHMARKS

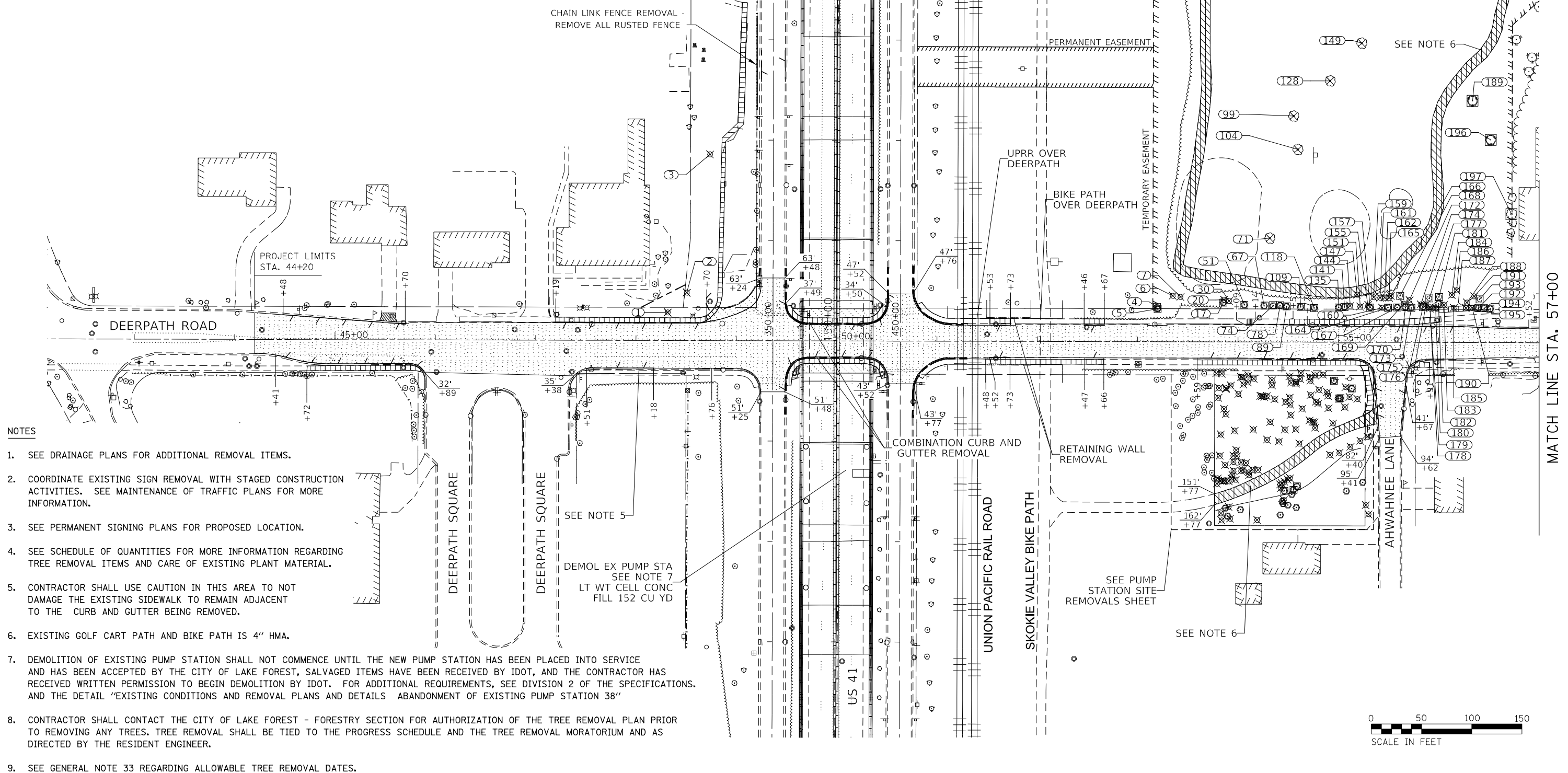
SCALE: AS SHOWN SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	37
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

LEGEND

-  PAVEMENT REMOVAL
-  DRIVEWAY REMOVAL AND REPLACEMENT
-  SIDEWALK REMOVAL
-  HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
-  PAVED SHOULDER REMOVAL
-  CURB REMOVAL AND REPLACEMENT
-  CHAIN LINK FENCE REMOVAL
-  TREE REMOVAL (SEE NOTE 4)

-  TEMPORARY FENCE - SEE DETAIL (SEE NOTE 4)
-  TREE TRUNK PROTECTION (SEE NOTE 4)



NOTES

1. SEE DRAINAGE PLANS FOR ADDITIONAL REMOVAL ITEMS.
2. COORDINATE EXISTING SIGN REMOVAL WITH STAGED CONSTRUCTION ACTIVITIES. SEE MAINTENANCE OF TRAFFIC PLANS FOR MORE INFORMATION.
3. SEE PERMANENT SIGNING PLANS FOR PROPOSED LOCATION.
4. SEE SCHEDULE OF QUANTITIES FOR MORE INFORMATION REGARDING TREE REMOVAL ITEMS AND CARE OF EXISTING PLANT MATERIAL.
5. CONTRACTOR SHALL USE CAUTION IN THIS AREA TO NOT DAMAGE THE EXISTING SIDEWALK TO REMAIN ADJACENT TO THE CURB AND GUTTER BEING REMOVED.
6. EXISTING GOLF CART PATH AND BIKE PATH IS 4" HMA.
7. DEMOLITION OF EXISTING PUMP STATION SHALL NOT COMMENCE UNTIL THE NEW PUMP STATION HAS BEEN PLACED INTO SERVICE AND HAS BEEN ACCEPTED BY THE CITY OF LAKE FOREST, SALVAGED ITEMS HAVE BEEN RECEIVED BY IDOT, AND THE CONTRACTOR HAS RECEIVED WRITTEN PERMISSION TO BEGIN DEMOLITION BY IDOT. FOR ADDITIONAL REQUIREMENTS, SEE DIVISION 2 OF THE SPECIFICATIONS, AND THE DETAIL "EXISTING CONDITIONS AND REMOVAL PLANS AND DETAILS ABANDONMENT OF EXISTING PUMP STATION 38"
8. CONTRACTOR SHALL CONTACT THE CITY OF LAKE FOREST - FORESTRY SECTION FOR AUTHORIZATION OF THE TREE REMOVAL PLAN PRIOR TO REMOVING ANY TREES. TREE REMOVAL SHALL BE TIED TO THE PROGRESS SCHEDULE AND THE TREE REMOVAL MORATORIUM AND AS DIRECTED BY THE RESIDENT ENGINEER.
9. SEE GENERAL NOTE 33 REGARDING ALLOWABLE TREE REMOVAL DATES.

FILE NAME = L:\7255\CAON\Sheets\Removals\0162865-ahtr-rem-01.dgn

KNIGHT
Engineers & Architects

USER NAME = c1iss	DESIGNED CEL	REVISED -
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PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -
	DATE 06/26/20	REVISED -

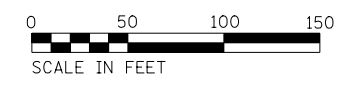
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLANS AND DETAILS

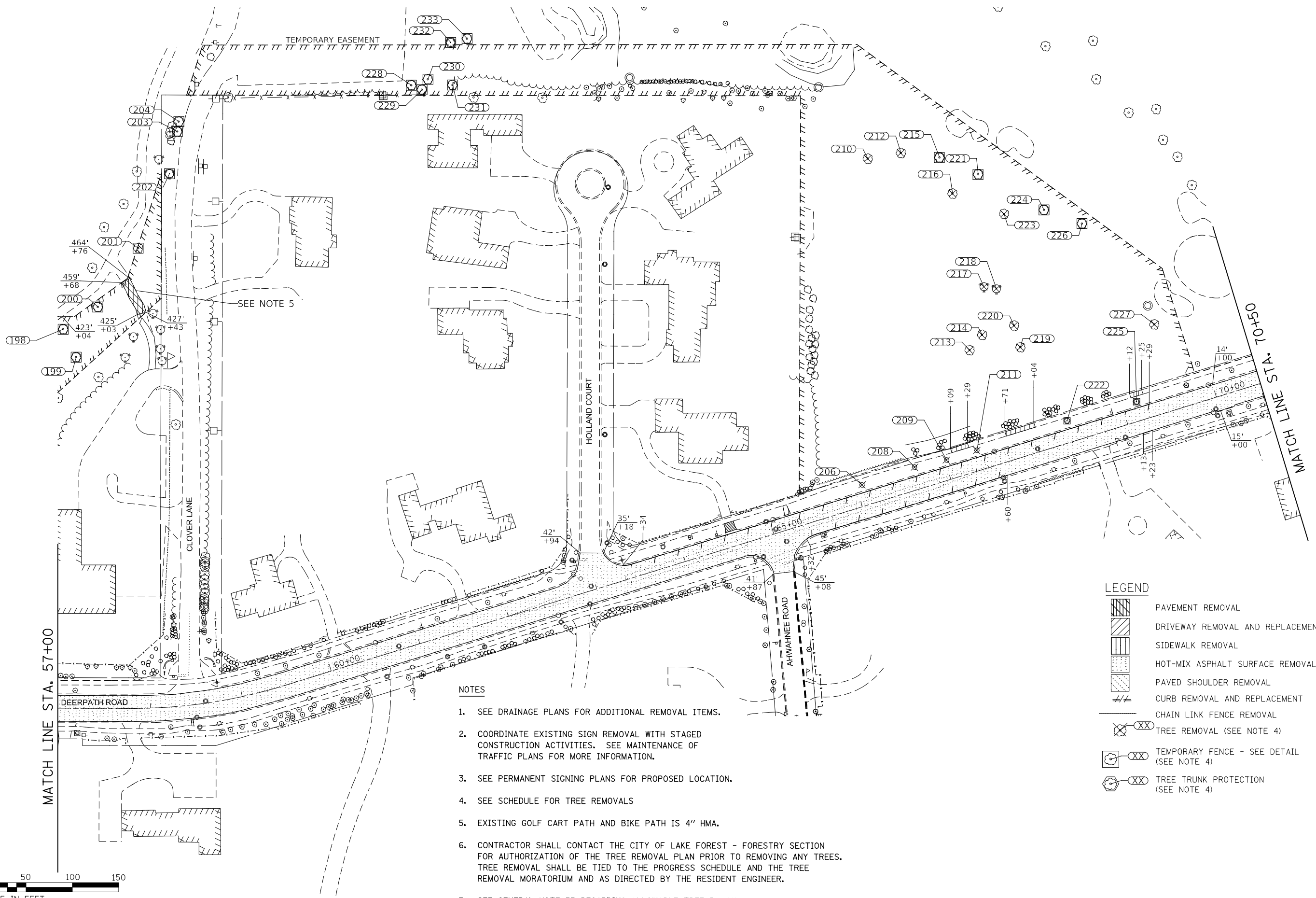
SCALE: 50 SHEET 1 OF 6 SHEETS STA. 44+20 TO STA. 57+00

F.A.P. RTE. 346	SECTION (21&215)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 38
CONTRACT NO. 62B65				

ILLINOIS FED. AID PROJECT				
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MATCH LINE STA. 57+00



SEE NOTE 5

NOTES

1. SEE DRAINAGE PLANS FOR ADDITIONAL REMOVAL ITEMS.
2. COORDINATE EXISTING SIGN REMOVAL WITH STAGED CONSTRUCTION ACTIVITIES. SEE MAINTENANCE OF TRAFFIC PLANS FOR MORE INFORMATION.
3. SEE PERMANENT SIGNING PLANS FOR PROPOSED LOCATION.
4. SEE SCHEDULE FOR TREE REMOVALS
5. EXISTING GOLF CART PATH AND BIKE PATH IS 4" HMA.
6. CONTRACTOR SHALL CONTACT THE CITY OF LAKE FOREST - FORESTRY SECTION FOR AUTHORIZATION OF THE TREE REMOVAL PLAN PRIOR TO REMOVING ANY TREES. TREE REMOVAL SHALL BE TIED TO THE PROGRESS SCHEDULE AND THE TREE REMOVAL MORATORIUM AND AS DIRECTED BY THE RESIDENT ENGINEER.
7. SEE GENERAL NOTE 33 REGARDING ALLOWABLE TREE REMOVAL DATES.

LEGEND

- PAVEMENT REMOVAL
- DRIVEWAY REMOVAL AND REPLACEMENT
- SIDEWALK REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- PAVED SHOULDER REMOVAL
- CURB REMOVAL AND REPLACEMENT
- CHAIN LINK FENCE REMOVAL
- TREE REMOVAL (SEE NOTE 4)
- TEMPORARY FENCE - SEE DETAIL (SEE NOTE 4)
- TREE TRUNK PROTECTION (SEE NOTE 4)



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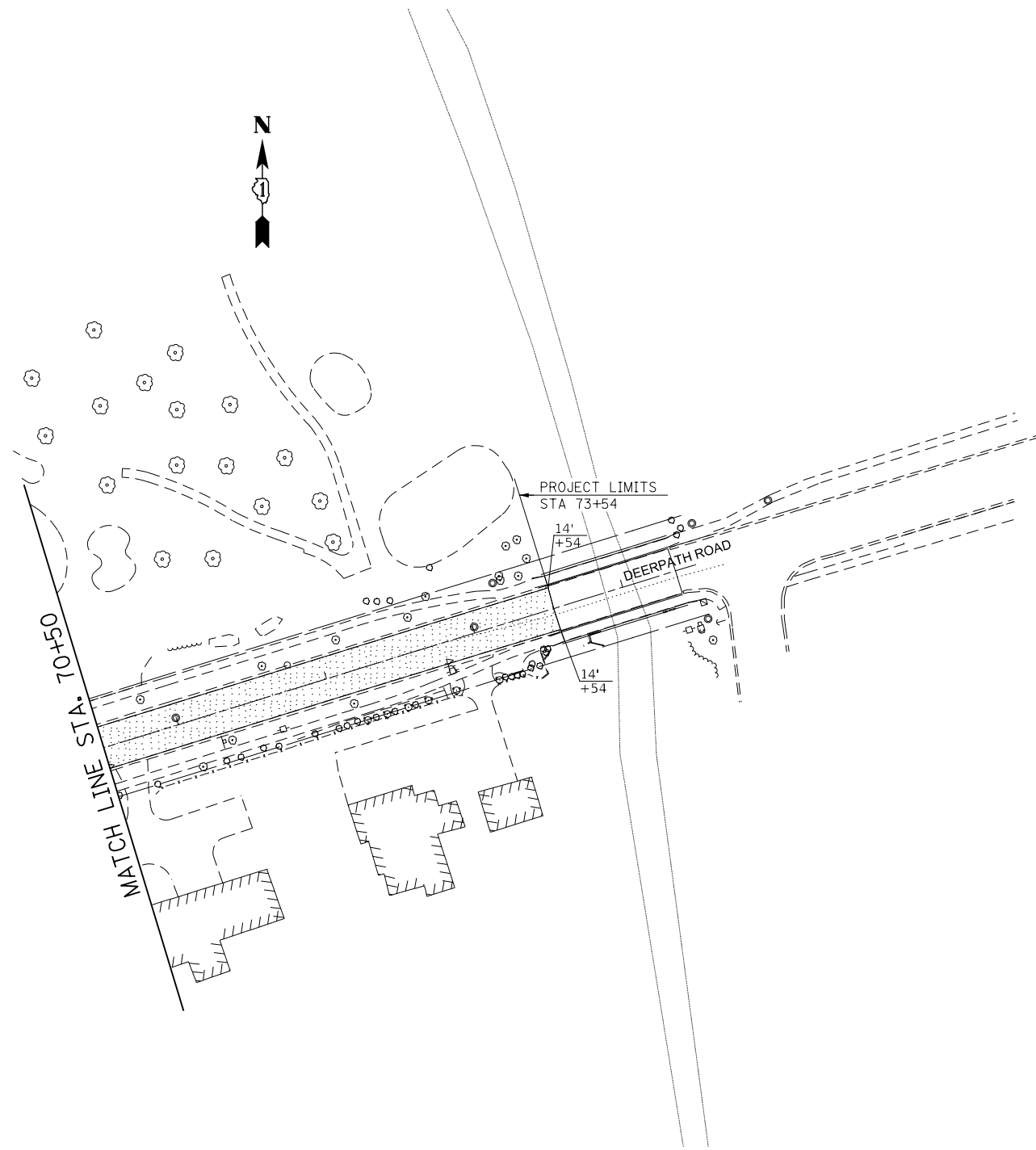
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**











EXISTING CONDITIONS AND REMOVAL PLANS AND DETAILS

SCALE: 50 SHEET 2 OF 6 SHEETS STA. 57+00 TO STA. 70+50

F.A.P. RTE. 346	SECTION (21&215)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 39
				CONTRACT NO. 62B65
ILLINOIS FED. AID PROJECT				



LEGEND

-  PAVEMENT REMOVAL
-  DRIVEWAY REMOVAL AND REPLACEMENT
-  SIDEWALK REMOVAL
-  HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
-  PAVED SHOULDER REMOVAL
-  CURB REMOVAL AND REPLACEMENT
-  CHAIN LINK FENCE REMOVAL
-  TREE REMOVAL (SEE NOTE 4)
-  TEMPORARY FENCE - SEE DETAIL (SEE NOTE 4)
-  TREE TRUNK PROTECTION (SEE NOTE 4)

NOTES

1. SEE DRAINAGE PLANS FOR ADDITIONAL REMOVAL ITEMS.
2. COORDINATE EXISTING SIGN REMOVAL WITH STAGED CONSTRUCTION ACTIVITIES. SEE MAINTENANCE OF TRAFFIC PLANS FOR MORE INFORMATION.
3. SEE PERMANENT SIGNING PLANS FOR PROPOSED LOCATION.
4. SEE SCHEDULE FOR TREE REMOVALS
5. CONTRACTOR SHALL CONTACT THE CITY OF LAKE FOREST - FORESTRY SECTION FOR AUTHORIZATION OF THE TREE REMOVAL PLAN PRIOR TO REMOVING ANY TREES. TREE REMOVAL SHALL BE TIED TO THE PROGRESS SCHEDULE AND THE TREE REMOVAL MORATORIUM AND AS DIRECTED BY THE RESIDENT ENGINEER.
6. SEE GENERAL NOTE 33 REGARDING ALLOWABLE TREE REMOVAL DATES.



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING CONDITIONS AND REMOVAL PLANS AND DETAILS











SCALE: 50 SHEET 3 OF 6 SHEETS STA. 70+50 TO STA. 73+54

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&215)-I	LAKE	290	40
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

DEERPATH ROAD

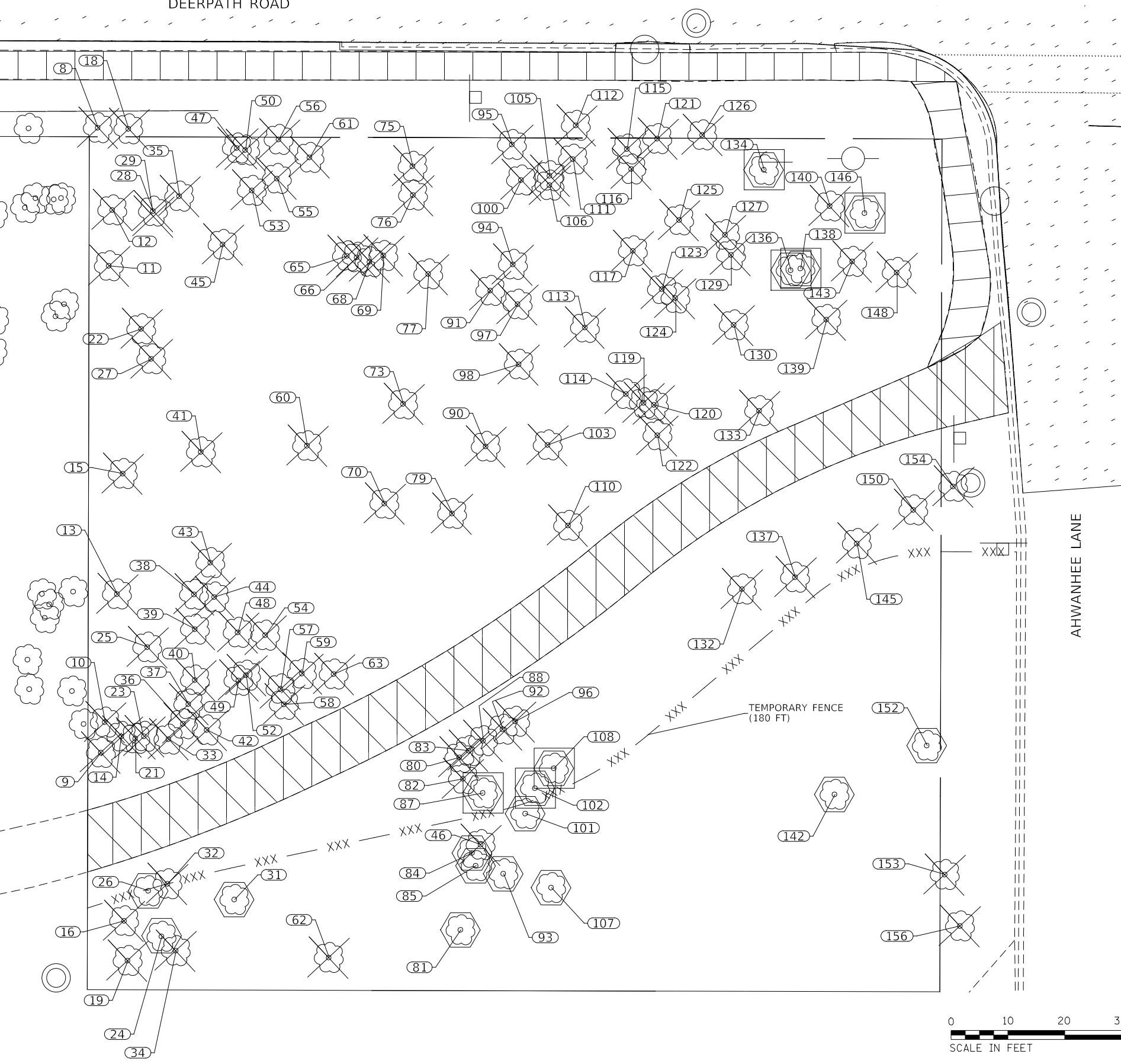


LEGEND

-  PAVEMENT REMOVAL
 -  DRIVEWAY REMOVAL AND REPLACEMENT
 -  SIDEWALK REMOVAL
 -  HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
 -  PAVED SHOULDER REMOVAL
 -  CURB REMOVAL AND REPLACEMENT
 -  CHAIN LINK FENCE REMOVAL
 -  TREE REMOVAL (SEE NOTE 4)
 -  TEMPORARY FENCE - SEE DETAIL (SEE NOTE 4)
 -  TREE TRUNK PROTECTION (SEE NOTE 4)
- xxx - xxx - TEMPORARY FENCE

NOTES

1. SEE DRAINAGE PLANS FOR ADDITIONAL REMOVAL ITEMS.
2. COORDINATE EXISTING SIGN REMOVAL WITH STAGED CONSTRUCTION ACTIVITIES. SEE MAINTENANCE OF TRAFFIC PLANS FOR MORE INFORMATION.
3. SEE PERMANENT SIGNING PLANS FOR PROPOSED LOCATION.
4. SEE SCHEDULE FOR TREE REMOVALS
5. CONTRACTOR SHALL CONTACT THE CITY OF LAKE FOREST - FORESTRY SECTION FOR AUTHORIZATION OF THE TREE REMOVAL PLAN PRIOR TO REMOVING ANY TREES. TREE REMOVAL SHALL BE TIED TO THE PROGRESS SCHEDULE AND THE TREE REMOVAL MORATORIUM AND AS DIRECTED BY THE RESIDENT ENGINEER.
6. ~~SEE GENERAL NOTE 33 REGARDING ALLOWABLE TREE REMOVAL DATES.~~



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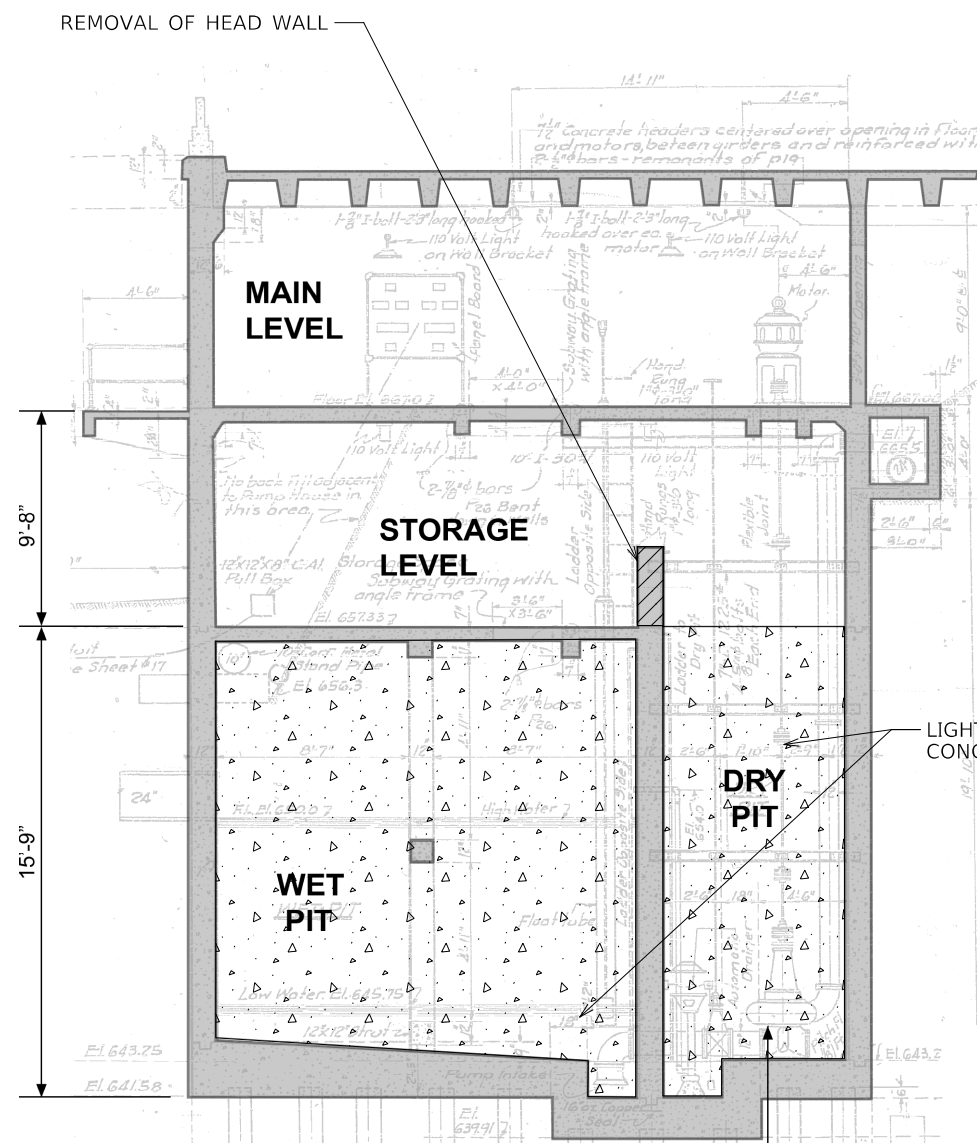
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLANS AND DETAILS
TREE REMOVALS - PUMP STATION SITE

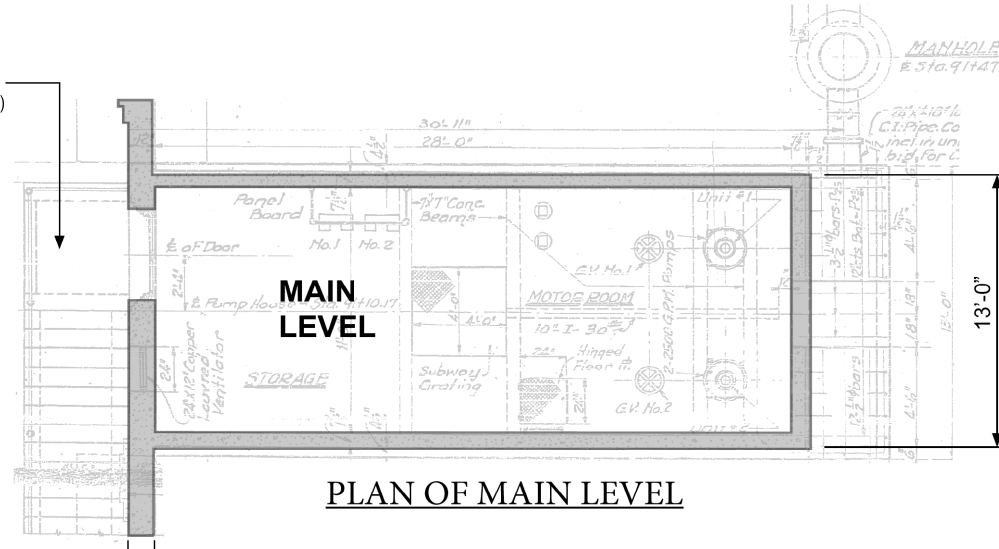
SCALE: 10 SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE. 346	SECTION (21&215)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 41
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

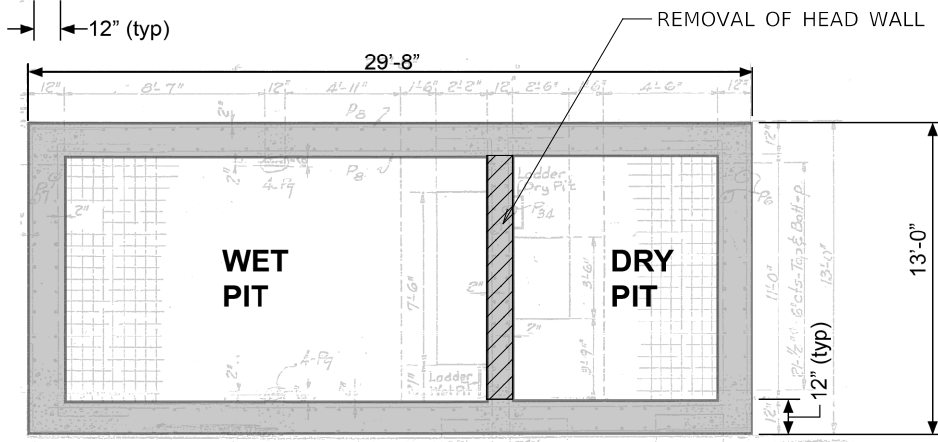


SECTION
NOT TO SCALE

EXISTING
STAIRS
(TO REMAIN)



PLAN OF MAIN LEVEL



PLAN OF STORAGE LEVEL
NOT TO SCALE

LIGHTWEIGHT CELLULAR
CONCRETE FILL 152 CY

SALVAGE BOTH MAIN PUMPS
AND THE DRY PIT HEATER

NOTES:

- ALL WORK WITH THE EXCEPTION OF LIGHTWEIGHT CELLULAR CONCRETE FILL TO BE PAID FOR AS DEMOLITION OF EXISTING PUMP STATION
- DEMOLITION OF EXISTING PUMP STATION SHALL NOT COMMENCE UNTIL THE NEW PUMP STATION HAS BEEN PLACED INTO SERVICE AND HAS BEEN ACCEPTED BY THE CITY OF LAKE FOREST, SALVAGED ITEMS HAVE BEEN RECEIVED BY IDOT, AND THE CONTRACTOR HAS RECEIVED WRITTEN PERMISSION TO BEGIN DEMOLITION BY IDOT.

FILE NAME = LA17355\CAD\NSheets\Removal\0162865-ah-tr-ram-05.dgn



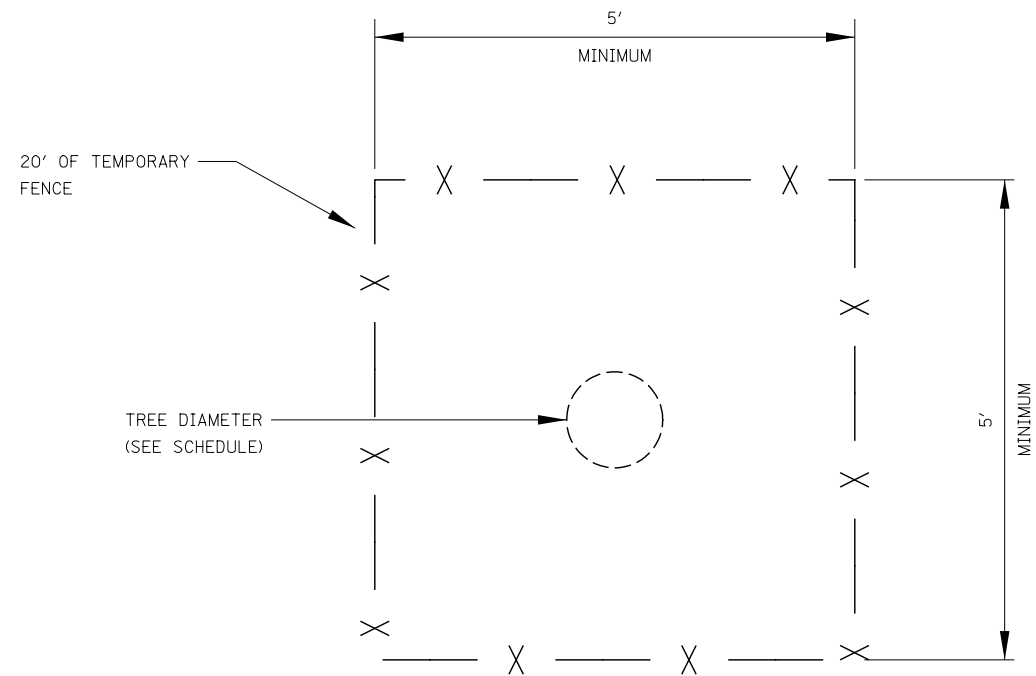
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CONDITIONS AND REMOVAL PLANS AND DETAILS
ABANDONMENT OF EXISTING PUMP STATION 38

SCALE: NTS SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	42
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				



PLAN VIEW

NOTES

1. QUANTITY SCHEDULE ASSUMES A 5'x5' AREA CENTERED ABOUT EACH TREE TRUNK. PAY LIMITS TO BE APPROVED BY ENGINEER AS FIELD CONDITIONS WARRANT.

TEMPORARY FENCE DETAIL

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



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS AND REMOVAL PLANS AND DETAILS
TREE PROTECTION DETAIL**

SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

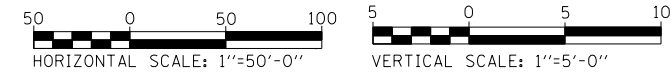
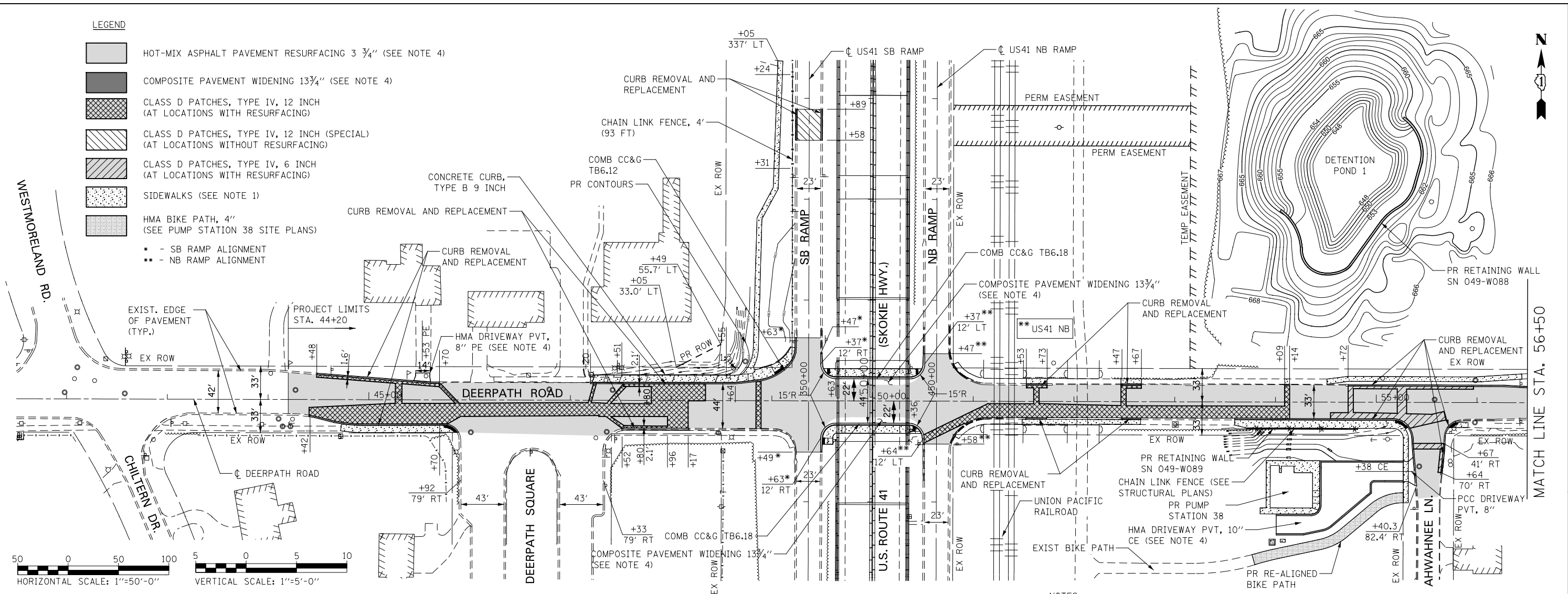
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	43
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B65	

LEGEND

-  HOT-MIX ASPHALT PAVEMENT RESURFACING 3 3/4" (SEE NOTE 4)
-  COMPOSITE PAVEMENT WIDENING 13 3/4" (SEE NOTE 4)
-  CLASS D PATCHES, TYPE IV, 12 INCH (AT LOCATIONS WITH RESURFACING)
-  CLASS D PATCHES, TYPE IV, 12 INCH (SPECIAL) (AT LOCATIONS WITHOUT RESURFACING)
-  CLASS D PATCHES, TYPE IV, 6 INCH (AT LOCATIONS WITH RESURFACING)
-  SIDEWALKS (SEE NOTE 1)
-  HMA BIKE PATH, 4" (SEE PUMP STATION 38 SITE PLANS)
- - SB RAMP ALIGNMENT
- - NB RAMP ALIGNMENT

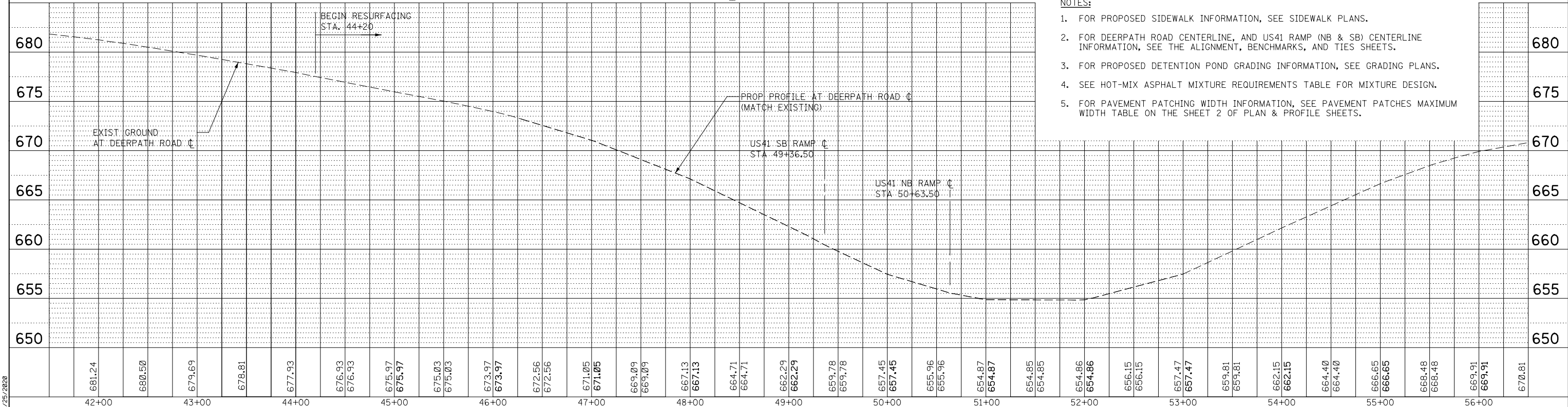
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	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO.	



NOTES:

1. FOR PROPOSED SIDEWALK INFORMATION, SEE SIDEWALK PLANS.
2. FOR DEERPETH ROAD CENTERLINE, AND US41 RAMP (NB & SB) CENTERLINE INFORMATION, SEE THE ALIGNMENT, BENCHMARKS, AND TIES SHEETS.
3. FOR PROPOSED DETENTION POND GRADING INFORMATION, SEE GRADING PLANS.
4. SEE HOT-MIX ASPHALT MIXTURE REQUIREMENTS TABLE FOR MIXTURE DESIGN.
5. FOR PAVEMENT PATCHING WIDTH INFORMATION, SEE PAVEMENT PATCHES MAXIMUM WIDTH TABLE ON THE SHEET 2 OF PLAN & PROFILE SHEETS.



PLOT DATE = 6/25/2020



USER NAME = c11ss	DESIGNED DGB	REVISED -
PLOT SCALE = 1:100	DRAWN DGB	REVISED -
PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -
	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

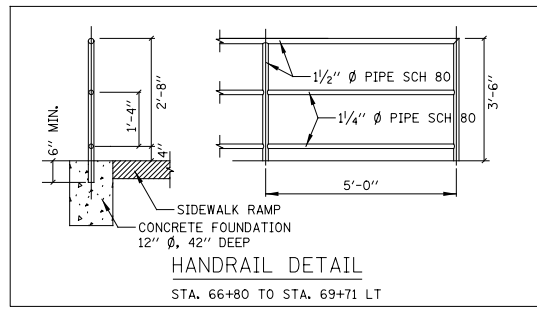
PLAN AND PROFILE DEERPETH ROAD	
SCALE:	SHEET 1 OF 3 SHEETS STA. 44+20 TO STA. 56+50

F.A.P. RTE. 346	SECTION (21&21S)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 44
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B65	

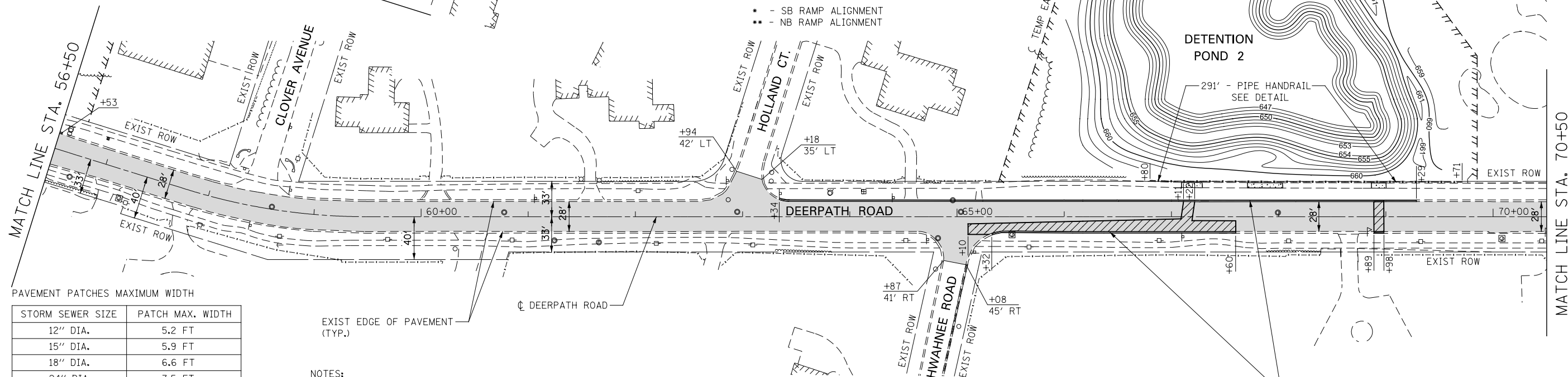
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	PLOTTED	BY
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PLOT DATE = 6/25/2020



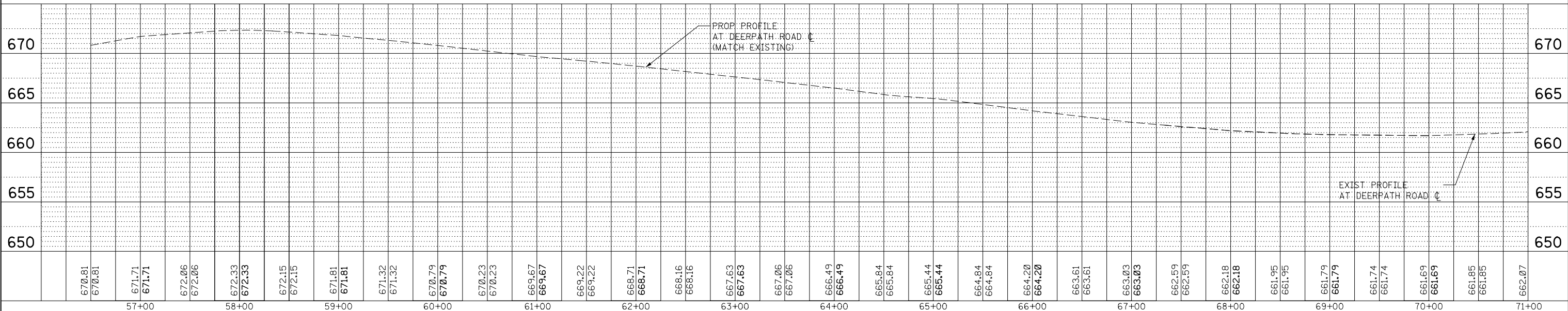
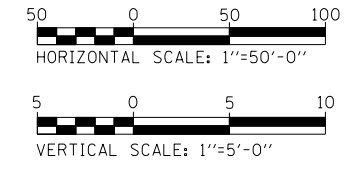
- LEGEND**
- HOT-MIX ASPHALT PAVEMENT RESURFACING 3 3/4" (SEE NOTE 4)
 - COMPOSITE PAVEMENT WIDENING 13 3/4" (SEE NOTE 4)
 - CLASS D PATCHES, TYPE IV, 12 INCH (AT LOCATIONS WITH RESURFACING)
 - CLASS D PATCHES, TYPE IV, 12 INCH (SPECIAL) (AT LOCATIONS WITHOUT RESURFACING)
 - CLASS D PATCHES, TYPE IV, 6 INCH (AT LOCATIONS WITH RESURFACING)
 - SIDEWALKS (SEE NOTE 1)
 - HMA BIKE PATH, 4" (SEE PUMP STATION 38 SITE PLANS)
- - SB RAMP ALIGNMENT
 •• - NB RAMP ALIGNMENT



PAVEMENT PATCHES MAXIMUM WIDTH

STORM SEWER SIZE	PATCH MAX. WIDTH
12" DIA.	5.2 FT
15" DIA.	5.9 FT
18" DIA.	6.6 FT
24" DIA.	7.5 FT
30" DIA.	8.1 FT
36" DIA.	8.7 FT
42" DIA.	9.3 FT
48" DIA.	9.8 FT
54" DIA.	10.3 FT

- NOTES:**
- FOR PROPOSED SIDEWALK INFORMATION, SEE SIDEWALK PLANS.
 - FOR DEERPETH ROAD CENTERLINE, AND US41 RAMP (NB & SB) CENTERLINE INFORMATION, SEE THE ALIGNMENT, BENCHMARKS, AND TIES SHEETS.
 - FOR PROPOSED DETENTION POND GRADING INFORMATION, SEE GRADING PLANS.
 - SEE HOT-MIX ASPHALT MIXTURE REQUIREMENTS TABLE FOR MIXTURE DESIGN.



KNIGHT
Engineers & Architects

USER NAME = c11ss	DESIGNED DGB	REVISED -
PLOT SCALE = 1:100	DRAWN DGB	REVISED -
PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -
	DATE 06/26/20	REVISED -

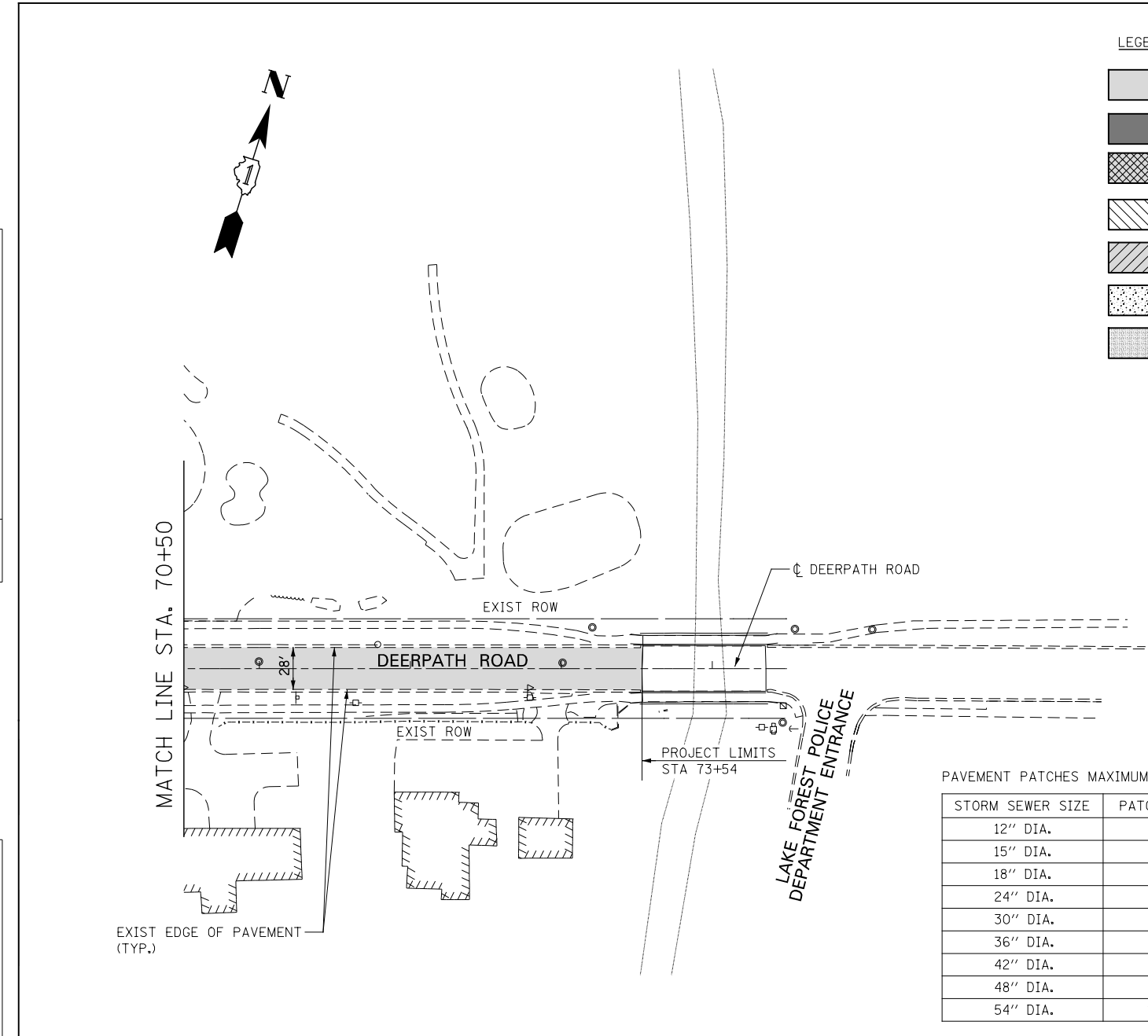
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE	
DEERPETH ROAD	
SCALE:	SHEET 2 OF 3 SHEETS STA. 56+50 TO STA. 70+50

F.A.P. RTE. 346	SECTION (21&21S)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 45
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B65	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
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	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



LEGEND

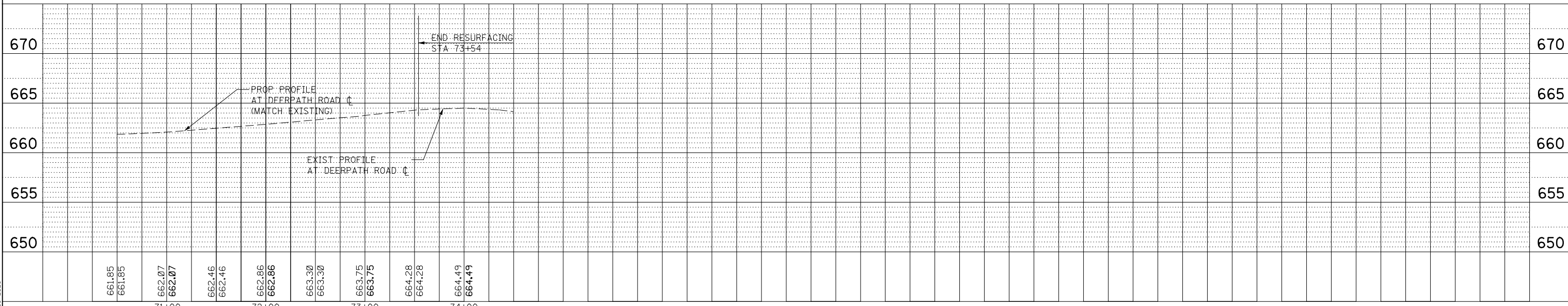
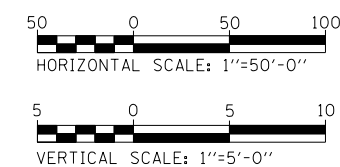
- HOT-MIX ASPHALT PAVEMENT RESURFACING 3 3/4" (SEE NOTE 4)
- COMPOSITE PAVEMENT WIDENING 13 3/4" (SEE NOTE 4)
- CLASS D PATCHES, TYPE IV, 12 INCH (AT LOCATIONS WITH RESURFACING)
- CLASS D PATCHES, TYPE IV, 12 INCH (SPECIAL) (AT LOCATIONS WITHOUT RESURFACING)
- CLASS D PATCHES, TYPE IV, 6 INCH (AT LOCATIONS WITH RESURFACING)
- SIDEWALKS (SEE NOTE 1)
- HMA BIKE PATH, 4" (SEE PUMP STATION 38 SITE PLANS)
- - SB RAMP ALIGNMENT
- - NB RAMP ALIGNMENT

PAVEMENT PATCHES MAXIMUM WIDTH

STORM SEWER SIZE	PATCH MAX. WIDTH
12" DIA.	5.2 FT
15" DIA.	5.9 FT
18" DIA.	6.6 FT
24" DIA.	7.5 FT
30" DIA.	8.1 FT
36" DIA.	8.7 FT
42" DIA.	9.3 FT
48" DIA.	9.8 FT
54" DIA.	10.3 FT

NOTES:

1. FOR PROPOSED SIDEWALK INFORMATION, SEE SIDEWALK PLANS.
2. FOR DEERPATH ROAD CENTERLINE, AND US41 RAMP (NB & SB) CENTERLINE INFORMATION, SEE THE ALIGNMENT, BENCHMARKS, AND TIES SHEETS.
3. FOR PROPOSED DETENTION POND GRADING INFORMATION, SEE GRADING PLANS.
4. SEE HOT-MIX ASPHALT MIXTURE REQUIREMENTS TABLE FOR MIXTURE DESIGN.



PLOT DATE = 6/25/2020



USER NAME = c11ss	DESIGNED DGB	REVISED -
PLOT SCALE = 1:100	DRAWN DGB	REVISED -
PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -
	DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
DEERPATH ROAD

SCALE: SHEET 3 OF 3 SHEETS STA. 70+50 TO STA. 73+54

F.A.P. RTE. 346	SECTION (21&21S)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 46
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A MINIMUM OF ONE 11' THROUGH TRAFFIC LANE IN EACH DIRECTION ON DEERPATH ROAD EXCEPT AS OTHERWISE INDICATED ON THE PLANS. OFF-PEAK PERIOD LANE CLOSURES WILL BE ALLOWED FOR CONSTRUCTION ACTIVITY ONLY AS APPROVED IN ADVANCE BY THE ENGINEER. SEE SPECIAL PROVISIONS FOR ALLOWABLE OFF-PEAK PERIOD LANE CLOSURE TIMES.
2. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV, AND LAKE FOREST PUBLIC WORKS (847) 810-3540. FOR WORK WITHIN THE CITY LIMITS OF LAKE FOREST, A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING OF WORK.
3. ALL DRUMS, VERTICAL PANELS, AND TYPE II BARRICADES SHALL BE SPACED AT 50 FEET CENTER TO CENTER THROUGHOUT THE WORK ZONE, EXCEPT IN TAPER AREAS, GORE AREAS, 10' C-C IN CORNER RADII, WHERE THEY SHALL BE SPACED AT 20 FEET CENTER TO CENTER EXCEPT AS OTHERWISE INDICATED ON THE PLANS.
4. TYPE II BARRICADES SHALL BE USED IN LIEU OF DRUMS IN LOCATIONS WHERE TYPE II MUST BE PLACED IN EXCAVATED AREAS DUE TO LIMITED SPACE. THESE BARRICADES SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOP OF THE BARRICADE IS IN COMPLIANCE WITH IDOT HIGHWAY STANDARD 701901. DRUMS AND BARRICADES SHALL NOT BE PLACED TOGETHER WITHIN AN INDIVIDUAL RUN OF DEVICES.
5. ALL "ROAD CONSTRUCTION AHEAD" WARNING SIGNS SHALL BE EQUIPPED WITH HIGH INTENSITY MONO-DIRECTIONAL FLASHING LIGHTS.
6. LOCATIONS OF EXISTING SIDEWALK CLOSURES SHALL BE DETERMINED BY THE RESIDENT ENGINEER, UNLESS OTHERWISE SHOWN ON THE PLANS, THE CONTRACTOR SHALL CLOSE EXISTING SIDEWALKS WHEN THEY ENTER A WORK ZONE IN ACCORDANCE WITH IDOT STANDARD 701801. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
7. TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS THE ENGINEER SHALL CONTACT CORY JUCIUS, ARTERIAL TRAFFIC OPERATIONS ENGINEER AT (847) 705-4411, WALTER CZARNY, IDOT AREA TRAFFIC FIELD ENGINEER AT Walter.Czarny@Illinois.gov, LAKE FOREST PUBLIC WORKS AT (847) 810-3540 FOR WORK WITHIN THE CITY LIMITS OF LAKE FOREST.
8. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS TO ALL COMMERCIAL AND PRIVATE ENTRANCES. THE FOLLOWING PAY ITEMS ARE INCLUDED: TEMPORARY ACCESS (PRIVATE ENTRANCE), TEMPORARY ACCESS (COMMERCIAL ENTRANCE), TEMPORARY ACCESS (ROAD). SEE IDOT DISTRICT 1 STANDARD TC-26 FOR TEMPORARY INFORMATION SIGNING REQUIREMENTS AT DRIVEWAYS.
9. ALL WORKERS' PERSONAL VEHICLES SHALL BE PROHIBITED FROM PARKING ON AHWAHNEE LANE AT ANYTIME DURING THE PROJECT.

DETOUR NOTES

1. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST FOUR WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER WILL CONTACT THE CITY OF LAKE FOREST AND ALL INTERESTED PARTIES INCLUDING LAKE FOREST HOSPITAL.
2. THE ENGINEER SHALL COORDINATE THE DETOUR WITH LAKE FOREST HOSPITAL.
3. THE ENGINEER SHALL BE NOTIFIED AT LEAST THREE (3) DAYS PRIOR TO THE REMOVAL OF THE DETOUR. THE ENGINEER WILL CONTACT THE CITY OF LAKE FOREST AND ALL INTERESTED PARTIES INCLUDING THE LAKE FOREST HOSPITAL.
4. THE DETOUR WILL ONLY BE ALLOWED BETWEEN THE MONTHS OF JUNE AND AUGUST FOR A TOTAL DURATION OF NO LONGER THAN FOUR WEEKS, AND SHALL COINCIDE WITH THE SUMMER BREAK OF DEER PATH MIDDLE SCHOOL.

THE FOLLOWING WORK MUST BE COMPLETED DURING THE DETOUR PERIOD:

- A) CONSTRUCTION AND RESTORATION OF THE RECEIVING PIT LOCATED IN THE SOUTHBOUND EXIT RAMP FROM US 41 TO DEERPATH ROAD.
 - B) ALL DRAINAGE STRUCTURES AND STORM SEWER WORK WITHIN THE ONE LANE TWO-WAY TRAFFIC CONFIGURATION AREA ON DEERPATH ROAD.
5. CHANGEABLE MESSAGE SIGNS SHALL BE UTILIZED IN ADDITION TO THE SIGNING REQUIREMENTS SHOWN IN IDOT DISTRICT ONE DETAIL TC-08 (RAMP CLOSURES). A MINIMUM OF ONE WEEK IN ADVANCE OF THE RAMP CLOSURES SHALL BE PROVIDED.

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	USER NAME = c1iss	DESIGNED JSA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1:3.12	DRAWN MAL	REVISED -			346	(21&21S)-I	LAKE	290	47
PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -	MOT-1		CONTRACT NO. 62B65					
DATE 06/26/20	DATE 06/26/20	REVISED -	SCALE:		SHEET 1 OF 16 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			

SUGGESTED ROADWAY CONSTRUCTION SEQUENCING

NOTE: WORK THAT IS LOCATED OUTSIDE OF THE ROADWAY BUT IMPACTS TRAFFIC IS LISTED HERE AS OFF ROADWAY WORK. ALL TREE REMOVALS REQUIRED FOR OFF ROADWAY WORK MUST BE REMOVED BETWEEN THE DATES OF OCTOBER 14 AND APRIL 1. SEE GENERAL NOTE 33.

STAGE 1A:

DEERPETH ROAD

CONSTRUCTION TO BE COMPLETED

- INSTALL CURB INLETS, CATCH BASINS, LATERALS AND STORM SEWER - STA. 44+44, RT. TO STA. 46+80 RT., STA. 51+45, RT. TO STA. 54+00, RT., AND STA. 54+85, RT. TO STA. 55+62, RT.
- INSTALL 54" AND 42" STORM SEWER UNDER DEERPETH RD. - 67+18, LT & RT, STA. 68+93, LT. & RT.
- CONSTRUCT PAVEMENT WIDENING ON SOUTH SIDE OF PAVEMENT - STA. 49+60 RT. TO STA. 50+52 RT.
- CONSTRUCT TEMPORARY PAVEMENT & CURB ON N. SIDE OF DEERPETH RD. - STA. 63+34 TO 69+24, LT.
- TWO WAY TRAFFIC WILL BE MAINTAINED ON DEERPETH SQUARE EXIT LANES WHILE STORM SEWER IS INSTALLED ACROSS DEERPETH SQUARE ENTRANCE LANES.
- ADJUST 20" WATERMAIN NEAR STATION 48+75 LT AND 8" WATERMAIN NEAR 69+20 LT

MAINTENANCE OF TRAFFIC

- TRAFFIC WILL BE SHIFTED TO THE NORTH SIDE OF THE ROAD WHILE CONSTRUCTION IS COMPLETED ON THE SOUTH SIDE.
- ONE LANE, TWO-WAY TRAFFIC WILL BE MAINTAINED UNDER THE U.P.R.R. AND SKOKIE VALLEY BIKE PATH UTILIZING PORTABLE TRAFFIC CONTROL SIGNALS - STA. 49+25 TO STA. 56+61.
- TEMPORARY CONCRETE BARRIER WALL WILL BE USED FOR STORM SEWER INSTALLATION - STA. 43+94, RT. TO STA. 46+88, RT., STA. 47+61 TO STA. 49+09, RT., AND STA. 50+61 TO STA. 54+83, RT.
- IDOT TRAFFIC CONTROL & PROTECTION STD 701501 WILL BE USED TO CONSTRUCT STORM SEWER AT 68+90 UNDER ONE-LANE, TWO-WAY OPERATION.

U.S. 41

CONSTRUCTION TO BE COMPLETED

- MODIFICATION TO EXISTING EAST AND WEST SIDES OF THE NORTH ABUTMENT ON U.S. 41 BRIDGE.
- JACKING OF THE 72" CASING PIPE AND 54" STORM SEWER UNDER U.S. 41 AND RECEIVING PIT IN THE SOUTHBOUND EXIT RAMP.
- INSTALL STORM SEWER UNDER SB EXIT RAMP AND MEDIAN - STA. 352+72, LT. & RT.
- INSTALL NEW CURB INLETS - SB EXIT RAMP STA. 352+72, LT & RT.

MAINTENANCE OF TRAFFIC

- SB AND NB EXIT RAMP WILL BE CLOSED.
- IDOT TRAFFIC CONTROL AND PROTECTION DISTRICT ONE DETAIL TC-17 FOR WORK ON THE NB ENTRANCE RAMP.
- TEMPORARY CONCRETE BARRIER WALL WILL BE USED FOR BRIDGE SUBSTRUCTURE REPAIR - STA. 352+39 TO STA. 353+40, LT. AND STA. 452+11 TO STA. 453+12, LT. NOTE, THIS WORK SHALL BE COMPLETE PRIOR TO THE DETOUR AND EXIT RAMP CLOSURES.
- U.S. 41 DETOUR ROUTE TO DEERPETH ROAD WILL BE SETUP PER MOT-15 AND MOT-16.

OFF ROADWAY WORK

CONSTRUCTION TO BE COMPLETED

- EARTH EXCAVATION FOR DETENTION AT SW AND SE AREAS OF DEERPETH GOLF COURSE INCLUDING EXCAVATION FOR THE JACKING PIT, IN DETENTION POND 1.
- STORM SEWER PIPE AND STRUCTURES AND RELOCATE BIKE TRAIL ACCESS PATH AT THE SW CORNER OF DEERPETH ROAD AND AHWAHNEE LANE.
- CONSTRUCT NEW BIKE PATH CONNECTION ALIGNMENT AT AHWAHNEE LANE. BIKE TRAIL ACCESS SHALL BE MAINTAINED FROM AHWAHNEE LANE AT ALL TIMES DURING CONSTRUCTION.

MAINTENANCE OF TRAFFIC

- ACCESS TO ALL AREAS WILL BE FROM ADJACENT ROADWAYS OR PRIVATE PROPERTIES VIA EASEMENT. FLAGGERS AND CONES AS DIRECTED BY THE ENGINEER SHALL BE USED FOR EQUIPMENT AND TRUCKS TO SAFELY ENTER OR EXIT THE ROADWAY.

STAGE 1B:

CONSTRUCTION TO BE COMPLETED

- INSTALL CURB INLETS, CATCH BASINS, LATERALS AND STORM SEWER - STA. 46+80 RT. TO STA. 47+17 RT.
- TEMPORARY CONCRETE BARRIER WILL BE USED FOR STORM SEWER INSTALLATION - STA. 43+94 TO STA. 45+84, RT., AND STA. 46+68 TO STA. 49+09, RT.

MAINTENANCE OF TRAFFIC

- TWO-WAY TRAFFIC WILL BE MAINTAINED ON DEERPETH SQUARE ENTRANCE LANES WHILE STORM SEWER IS COMPLETED ACROSS DEERPETH SQUARE EXIT LANES.

STAGE 2:

DEERPETH ROAD

CONSTRUCTION TO BE COMPLETED

- INSTALL CURB INLETS AND STORM SEWER ON THE SOUTH SIDE OF DEERPETH ROAD - STA. 44+90 TO STA. 45+73, RT., STA. 47+40 TO STA. 48+85, RT., STA. 51+62, RT., STA. 52+55 TO STA. 55+15, RT., STA. 65+10 TO STA. 67+55, AND STA. 68+90.
- CONSTRUCT A RETAINING WALL ON THE SOUTHSIDE OF DEERPETH ROAD BETWEEN STATIONS 53+71 RT AND 54+81 RT.
- ADJUST 8" WATERMAIN NEAR 67+20 LT

MAINTENANCE OF TRAFFIC

- TEMPORARY PORTABLE BRIDGE TRAFFIC SIGNALS WILL BE REMOVED AND TWO LANE, TWO-WAY TRAFFIC WILL BE REOPENED - STA. 49+54 TO 56+02.

U.S. 41

CONSTRUCTION TO BE COMPLETED

- NONE.

MAINTENANCE OF TRAFFIC

- OPEN SB EXIT RAMP AND UTILIZE IDOT TRAFFIC CONTROL AND PROTECTION, STANDARD 701456 FOR PARTIAL RAMP LANE CLOSURES.
- REMOVE U.S. 41 DETOUR ROUTE SIGNS.

OFF ROADWAY WORK

CONSTRUCTION TO BE COMPLETED

- EARTH EXCAVATION FOR DETENTION AT SW AND SE AREAS OF DEERPETH GOLF COURSE.
- STORM SEWER PIPE AND STRUCTURES AND RELOCATE BIKE TRAIL ACCESS PATH AT THE SW CORNER OF DEERPETH ROAD AND AHWAHNEE LANE.
- EXCAVATION AND FOUNDATION CONSTRUCTION OF THE PUMP STATION SITE.

MAINTENANCE OF TRAFFIC

- ACCESS TO ALL AREAS WILL BE FROM ADJACENT ROADWAYS OR PRIVATE PROPERTIES VIA EASEMENT. FLAGGERS AND CONES AS DIRECTED BY THE ENGINEER SHALL BE USED FOR EQUIPMENT AND TRUCKS TO SAFELY ENTER OR EXIT THE ROADWAY.
- BIKE TRAIL ACCESS SHALL BE MAINTAINED FROM AHWAHNEE LANE AT ALL TIMES DURING CONSTRUCTION. OPEN BIKE TRAFFIC ON NEW ALIGNMENT BEFORE CLOSING EXISTING BIKE PATH CONNECTION AT AHWAHNEE LANE.

STAGE 3:

DEERPETH ROAD

CONSTRUCTION TO BE COMPLETED

- CONSTRUCT ROADWAY WIDENING ON NORTH SIDE OF DEERPETH RD. - STA. 49+60, LT. TO STA. 50+50, LT.
- INSTALL CURB INLETS AND STORM SEWER ON THE NORTH SIDE OF DEERPETH ROAD - STA. 44+50, LT. TO 45+70, LT., STA. 47+45, LT. TO STA. 48+90, LT., STA. 51+35 TO STA. 52+60, STA. 56+00, LT., STA. 56+20, LT., STA. 67+90, LT., STA. 68+80, LT.
- INSTALL NORTH HALF OF STORM SEWER UNDER DEERPETH RD. - STA. 67+20, LT.
- REMOVE TEMPORARY PAVEMENT ON NORTH SIDE OF DEERPETH RD. - STA. 63+34 TO 69+29, LT.
- CONSTRUCT COMB. CONC. CURB & GUTTER TYPE B6.18 - STA. 63+34, LT. TO 69+29, LT.
- PERMANENT PAVEMENT MARKINGS AND SIGNAGE.

MAINTENANCE OF TRAFFIC

- IDOT TRAFFIC CONTROL PROTECTION STANDARD 701501 FOR URBAN LANE CLOSURES WILL BE USED.
- IDOT TRAFFIC CONTR. & PROT. STD 701501 WILL BE USED TO CONSTRUCT STORM SEWER AT STA. 67+20, LT. UNDER ONE-LANE, TWO-WAY OPERATION.

U.S. 41

CONSTRUCTION TO BE COMPLETED

- NO PROPOSED WORK THIS STAGE

MAINTENANCE OF TRAFFIC

- NONE

OFF ROADWAY WORK

CONSTRUCTION TO BE COMPLETED

- EARTH EXCAVATION FOR DETENTION AT SW AND SE AREAS OF DEERPETH GOLF COURSE.
- STORM SEWER PIPE AND STRUCTURES AND RELOCATE BIKE TRAIL ACCESS PATH AT THE SW CORNER OF DEERPETH ROAD AND AHWAHNEE LANE.

MAINTENANCE OF TRAFFIC

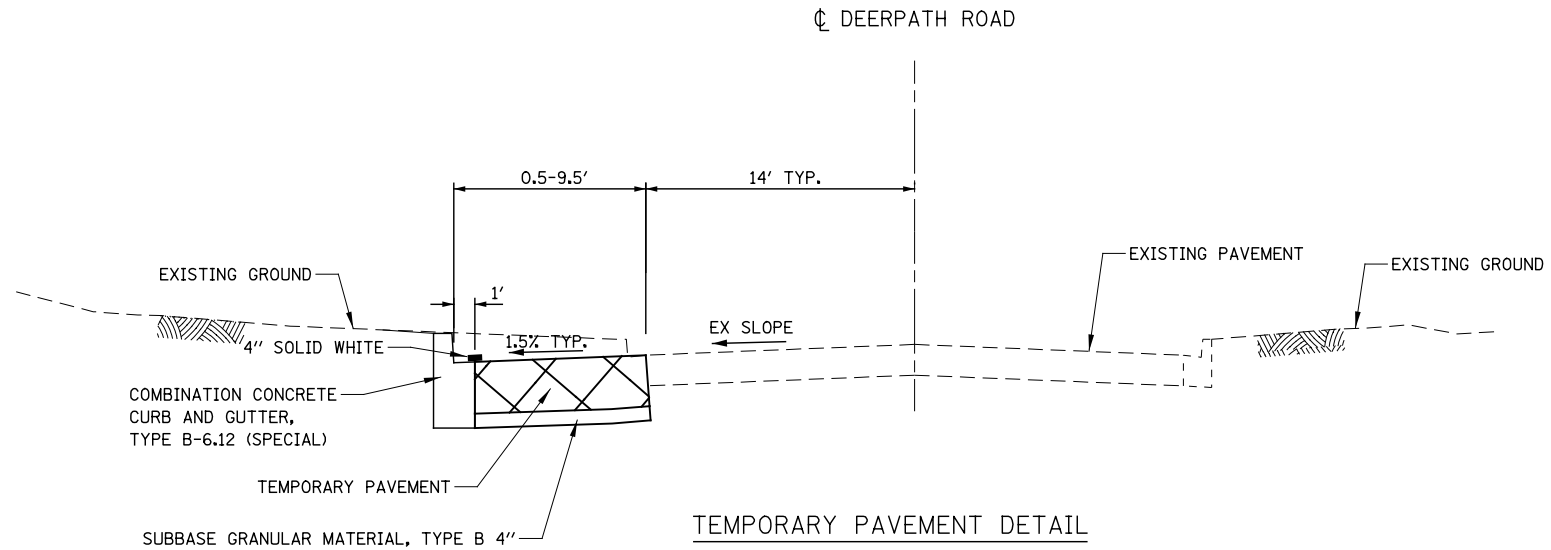
- ACCESS TO ALL AREAS WILL BE FROM ADJACENT ROADWAYS OR PRIVATE PROPERTIES VIA EASEMENT. FLAGGERS AND CONES AS DIRECTED BY THE ENGINEER SHALL BE USED FOR EQUIPMENT AND TRUCKS TO SAFELY ENTER OR EXIT THE ROADWAY.

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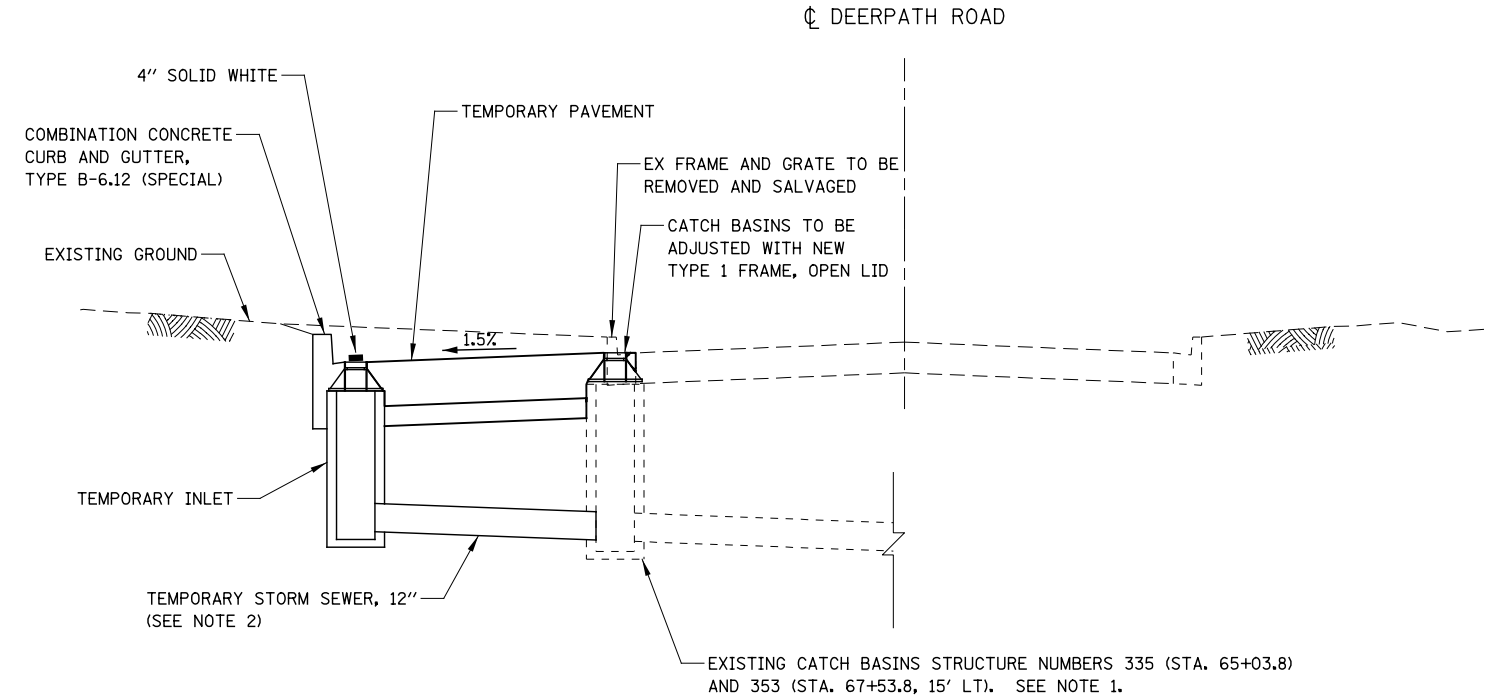
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	PLOT SCALE = 1:4	CHECKED JWM	REVISED -					346	(21&21S)-I	LAKE	290	48
	PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -		SCALE: NONE	SHEET 2 OF 16 SHEETS	STA. TO STA.	MOT-2		CONTRACT NO. 62B65		
								ILLINOIS FED. AID PROJECT				

NOTES

1. EXISTING FRAME AND GRATE TO BE REMOVED AND SALVAGED, INSTALL A TEMPORARY TYPE 1 FRAME AND OPEN LID WHILE TEMPORARY PAVEMENT IS IN USE, THEN REMOVE TYPE 1 FRAME AND OPEN LID AND RE-INSTALL THE SALVAGED FRAME AND GRATE WHEN TEMPORARY PAVEMENT IS REMOVED. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID."
2. CONTRACTOR TO VERIFY EXISTING UTILITIES AND DETERMINE THE BEST ELEVATIONS FOR TEMPORARY LATERALS.



TEMPORARY PAVEMENT DETAIL



TEMPORARY PAVEMENT DETAIL AT EXISTING INLETS

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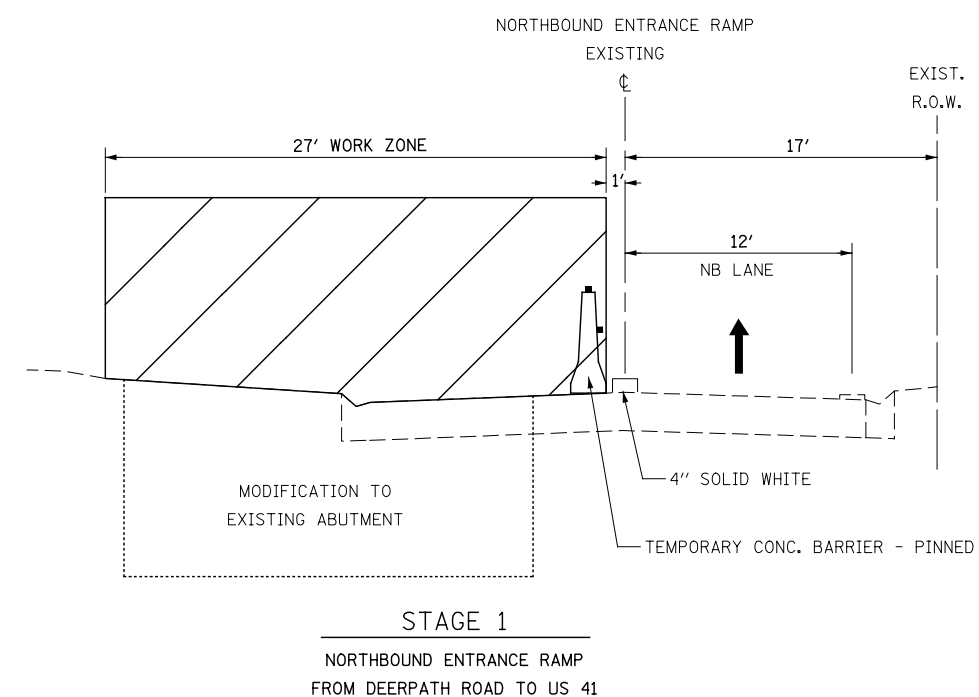
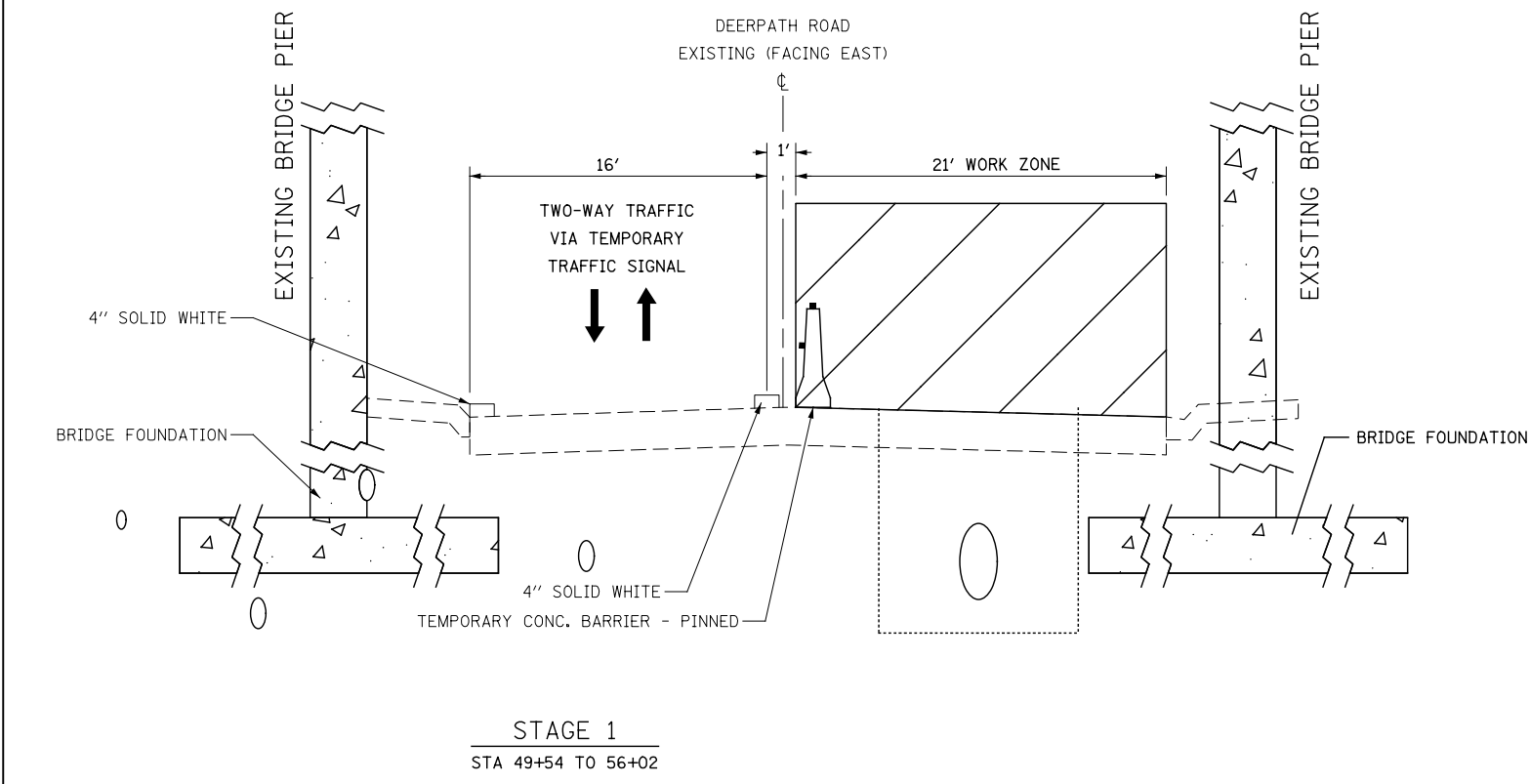
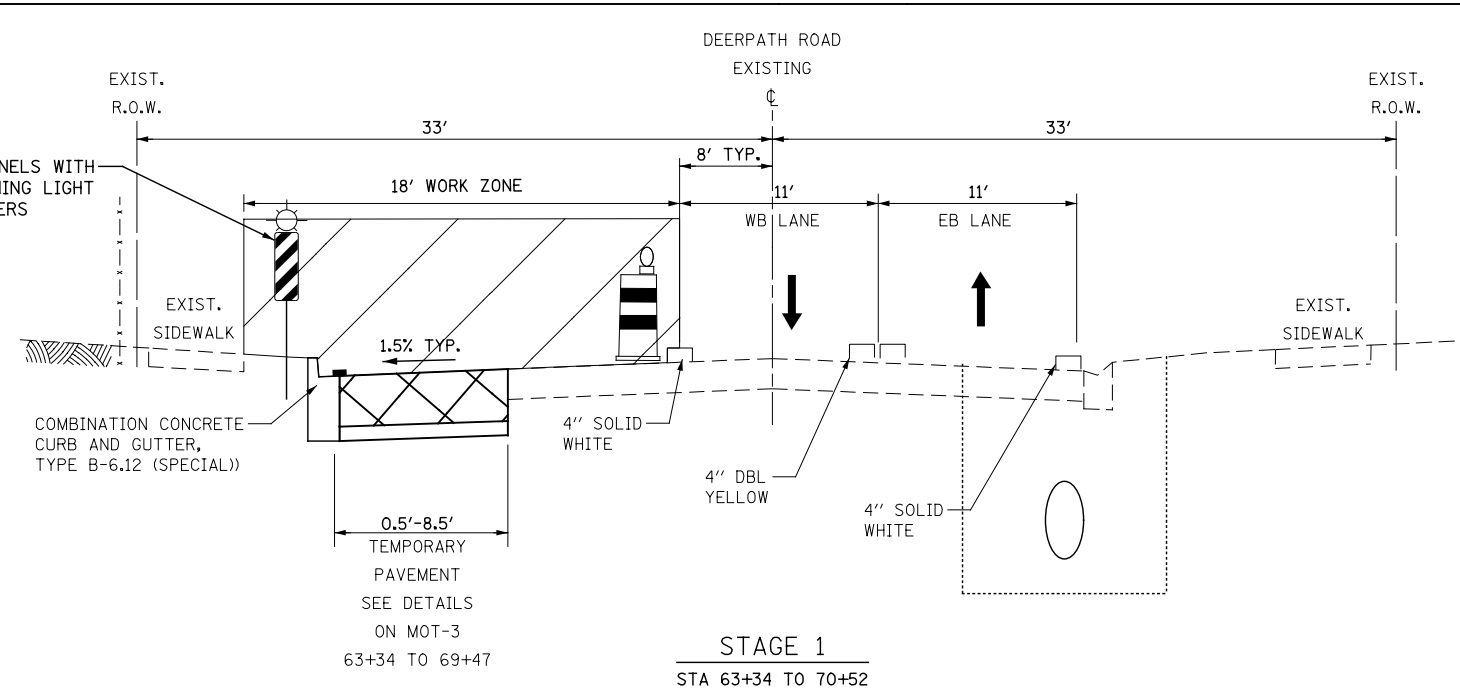
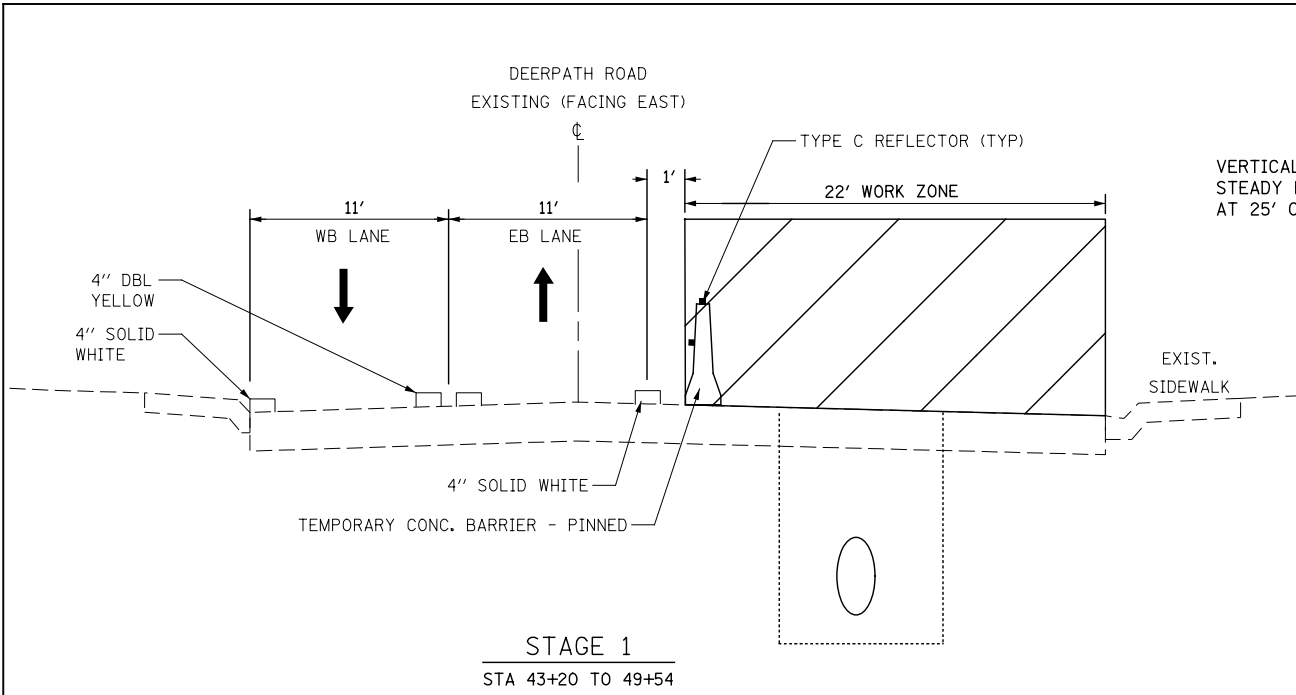


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	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC DETAILS	
SCALE:	SHEET 3 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	49
MOT-3		CONTRACT NO. 62B65		
ILLINOIS FED. AID PROJECT				



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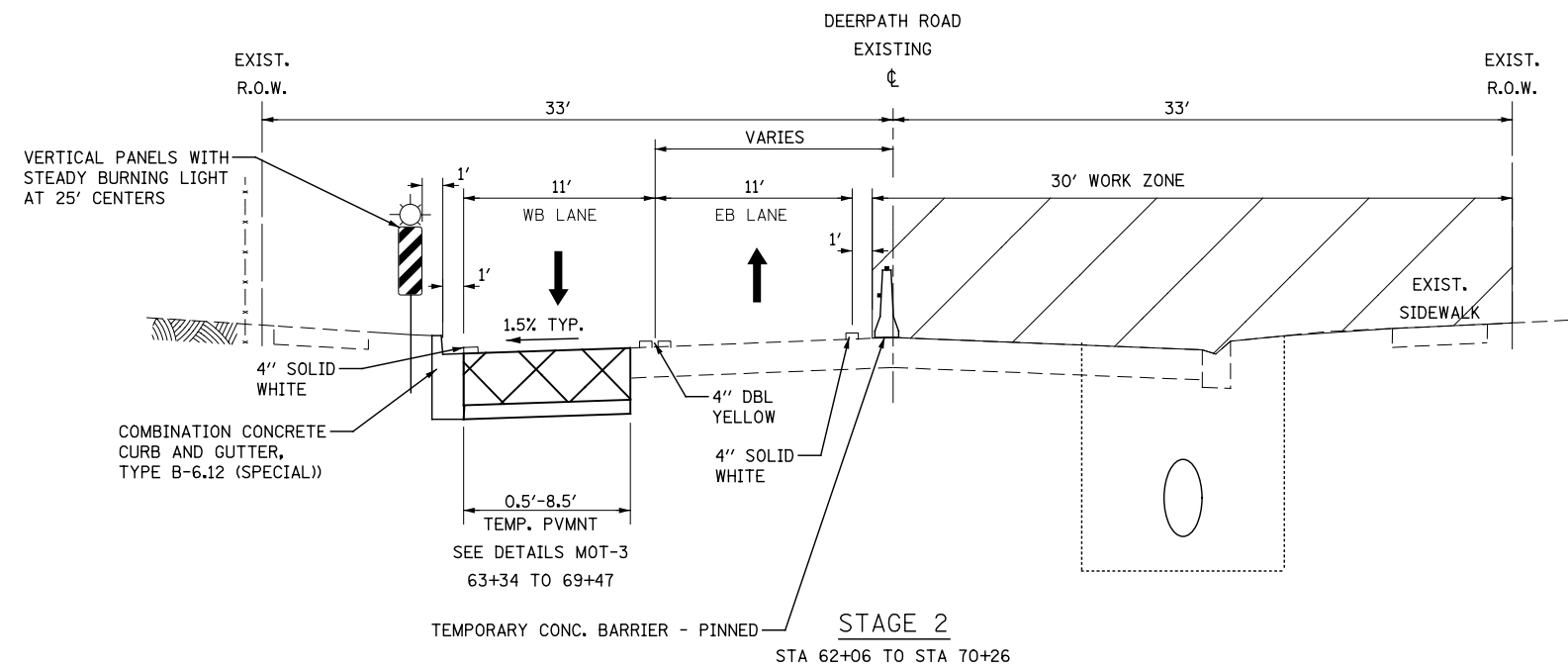
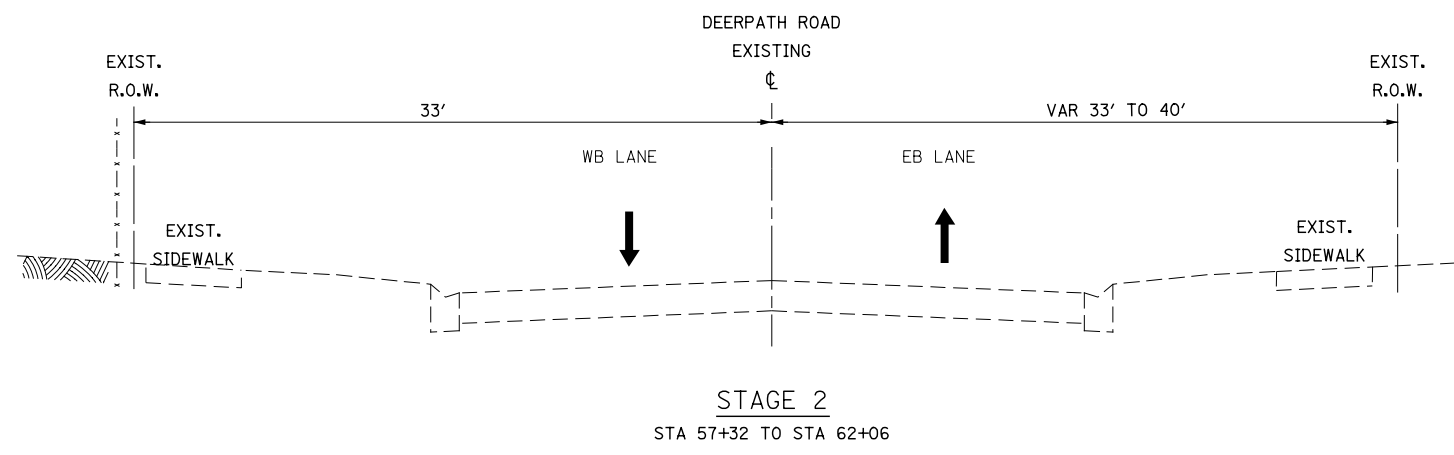
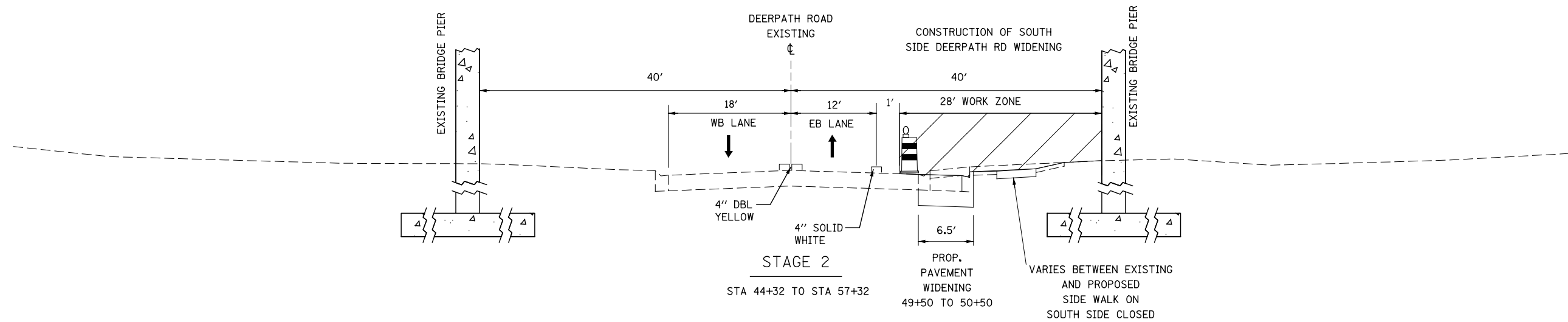
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	DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

SCALE: SHEET 4 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&215)-I	LAKE	290	50
MOT-4		CONTRACT NO. 62B65		
ILLINOIS FED. AID PROJECT				



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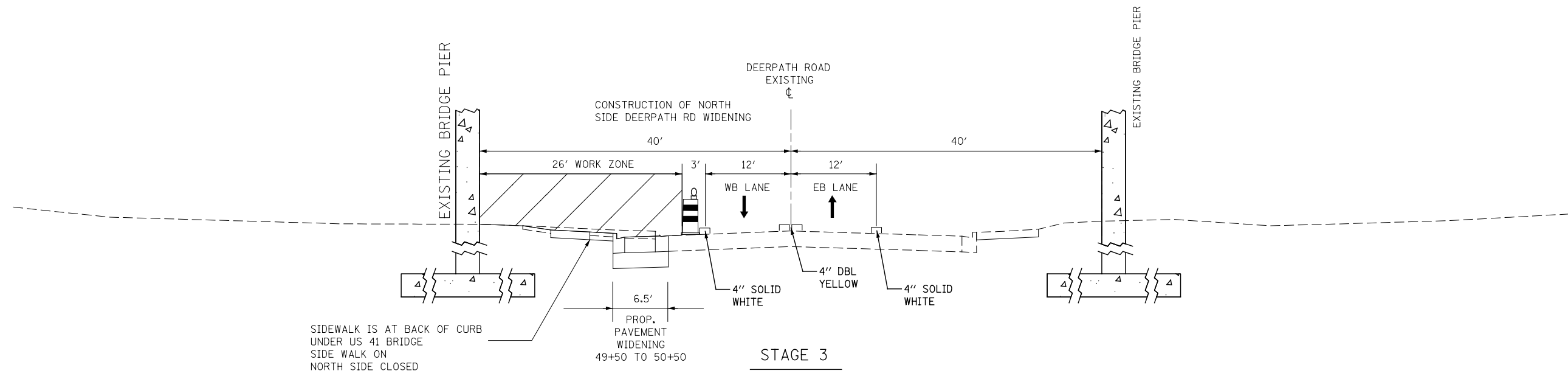
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

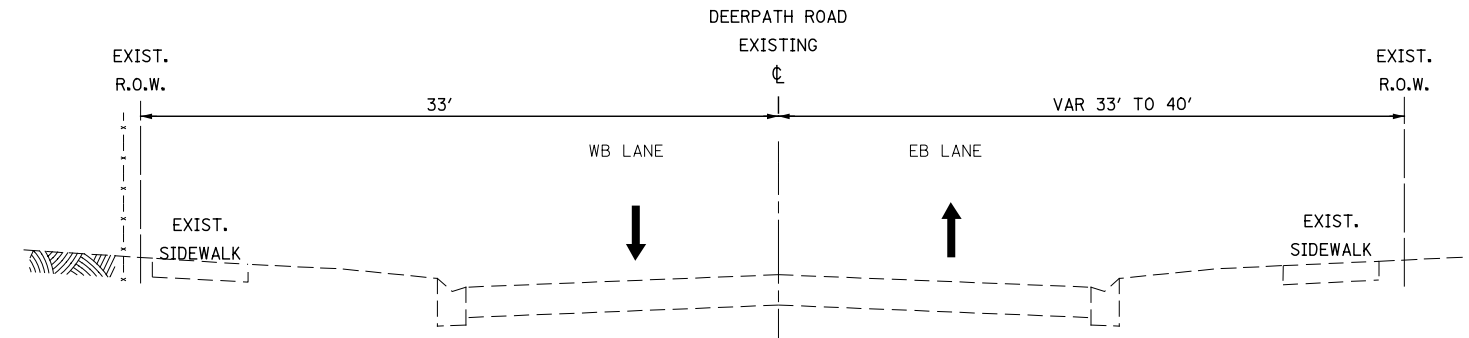
**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS**

SCALE: SHEET 5 OF 16 SHEETS STA. TO STA.

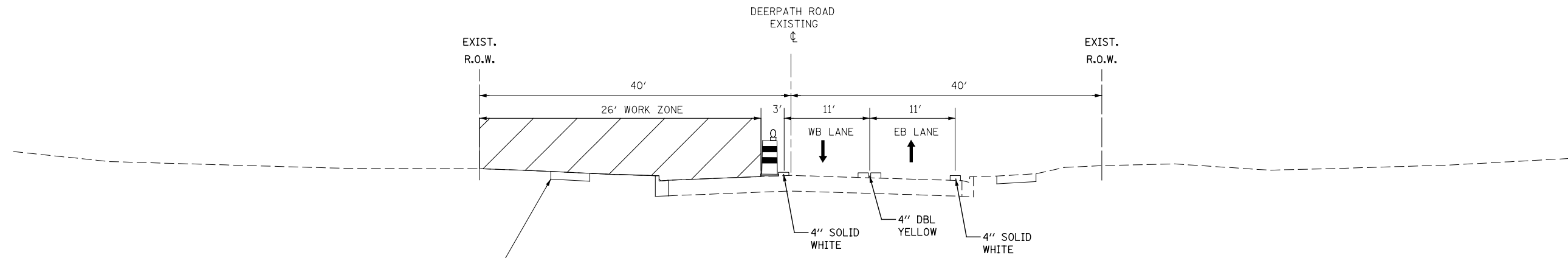
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346	(21&21S)-I	LAKE	290	51
MOT-5			CONTRACT NO. 62B65	
ILLINOIS FED. AID PROJECT				



STAGE 3
STA 43+40 TO STA 56+45



STAGE 3
STA 56+45 TO STA 63+03



STAGE 3
STA 63+03 TO STA 70+32

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS**

SCALE: SHEET 6 OF 16 SHEETS STA. TO STA.

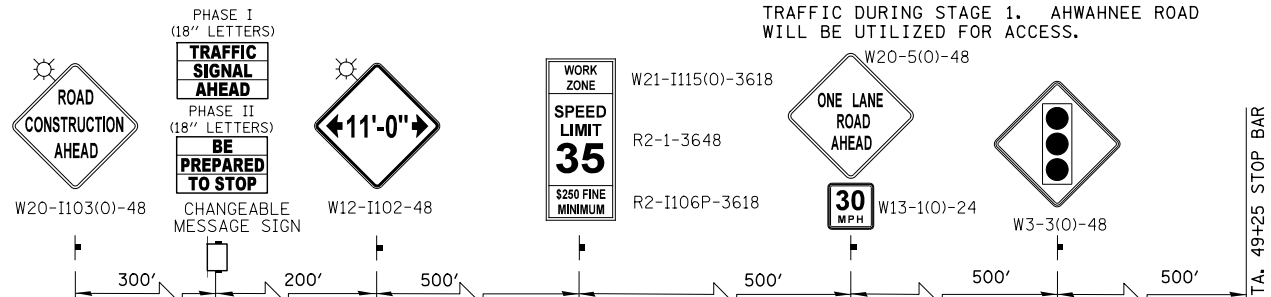
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346	(21&21S)-I	LAKE	290	52
MOT-6		CONTRACT NO. 62B65		
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC - LEGEND

- CONSTRUCTION WORK ZONE
- OFF ROADWAY WORK
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT
- TEMPORARY PORTABLE BRIDGE TRAFFIC SIGNAL
- CONES OR DRUMS AT 20' CTRS.
- TYPE III BARRICADES
- TEMPORARY CONCRETE BARRIER - PINNED
- IMPACT ATTENUATORS (NON-REDIRECTIVE)

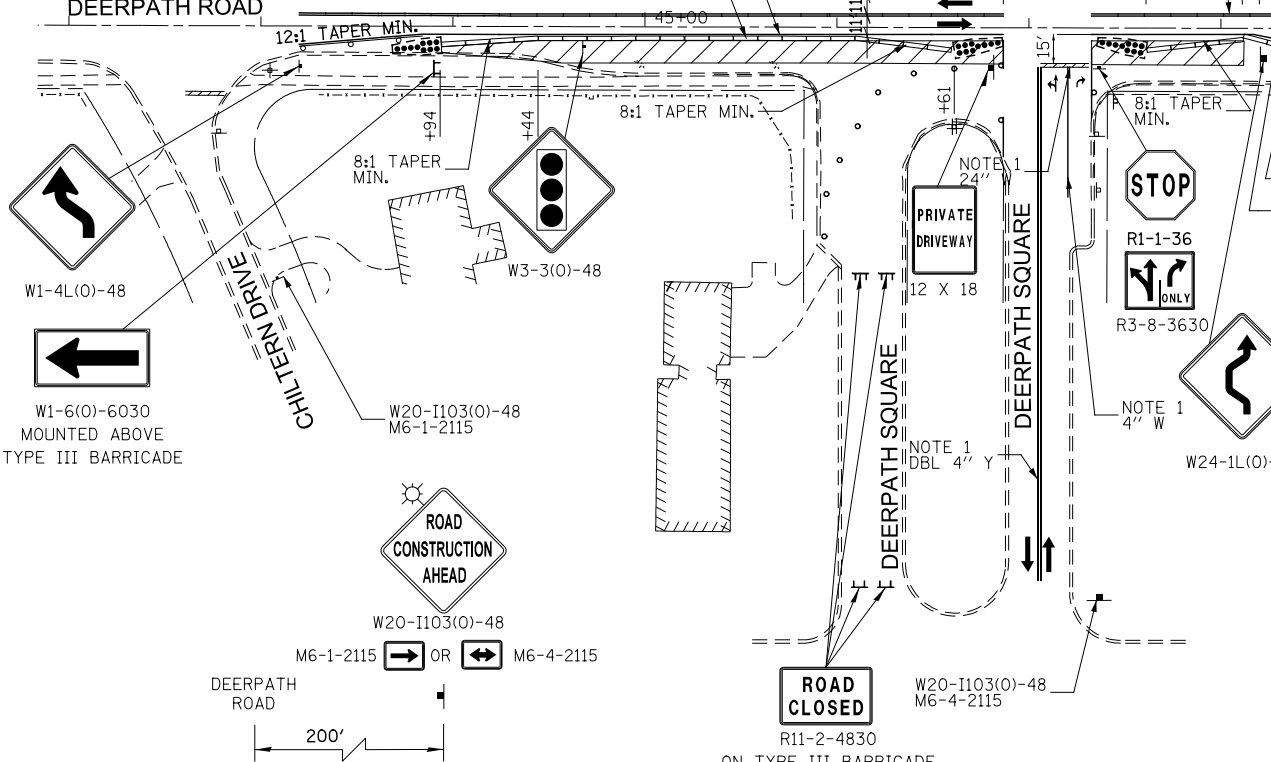
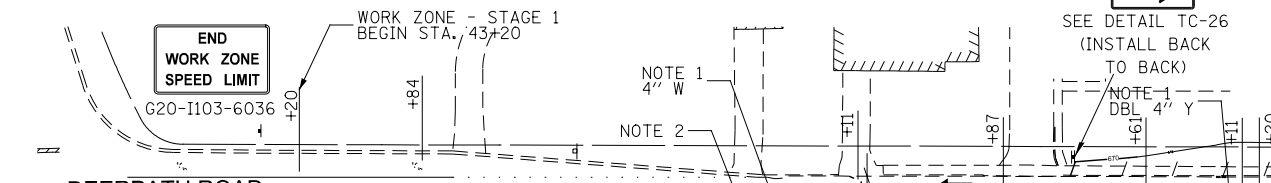
IDOT HIGHWAY STANDARDS

643001-02, 701301-04, 701451-05, 701501-06,
701601-09, 701801-06, 701901-08, 704001-08,
782006



ADVANCE SIGNING FOR EASTBOUND DEERPETH ROAD

(SPACING MAY VARY DUE TO FIELD CONDITIONS)

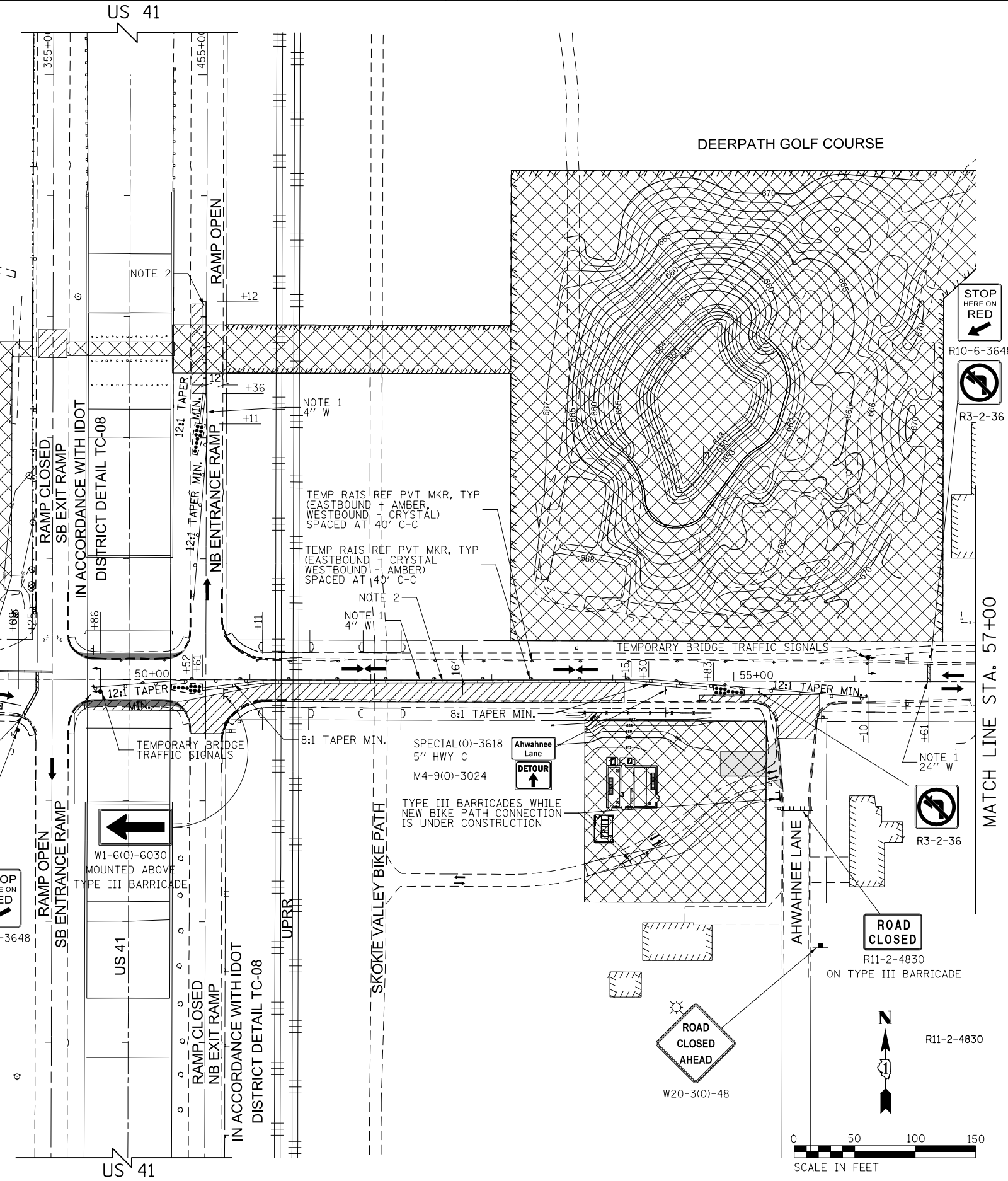


ADVANCE SIGNING FOR CROSS STREETS

(THIS ADVANCED SIGNING TYPICAL FOR ALL CROSS STREET LOCATIONS
SPACING MAY VARY DUE TO FIELD CONDITIONS)

NOTES:

1. CONTRACTOR SHALL USE PAVEMENT MARKING TAPE, TYPE IV, ON EXISTING PAVEMENT SURFACES TO REMAIN SIZE AND COLOR AS INDICATED.
2. TEMPORARY CONC. BARRIER - PINNED
3. CONTRACTOR SHALL UTILIZE APPLICABLE IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS LISTED AND AS MODIFIED ON THIS SHEET.
4. U. S. 41 EXIT RAMP SHALL BE CLOSED DURING STAGE 1 CONSTRUCTION.
5. CONTRACTOR TO COMPLETE STORM SEWER INSTALLATION AT STA. 68+90, LEFT & RIGHT; UTILIZING TRAFFIC CONTROL & PROTECTION STANDARD 701501 PRIOR TO LANE CLOSURE STA. 49+26 TO 56+10.
6. DEERPETH SQUARE WILL BE STAGED DURING STAGE 1 AND TWO-WAY TRAFFIC WILL BE MAINTAINED AT ALL TIMES.
7. AHWAHNEE LANE WILL BE CLOSED TO THROUGH TRAFFIC DURING STAGE 1. AHWAHNEE ROAD WILL BE UTILIZED FOR ACCESS.



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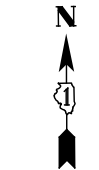
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	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**










**MAINTENANCE OF TRAFFIC - STAGE 1A
DEERPETH ROAD**

F.A.P. RTE. 346	SECTION (21&21S)-1	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 53
MOT-7			CONTRACT NO. 62B65	
ILLINOIS FED. AID PROJECT				

SCALE: 50 SHEET 7 OF 16 SHEETS STA. TO STA.



MAINTENANCE OF TRAFFIC - LEGEND

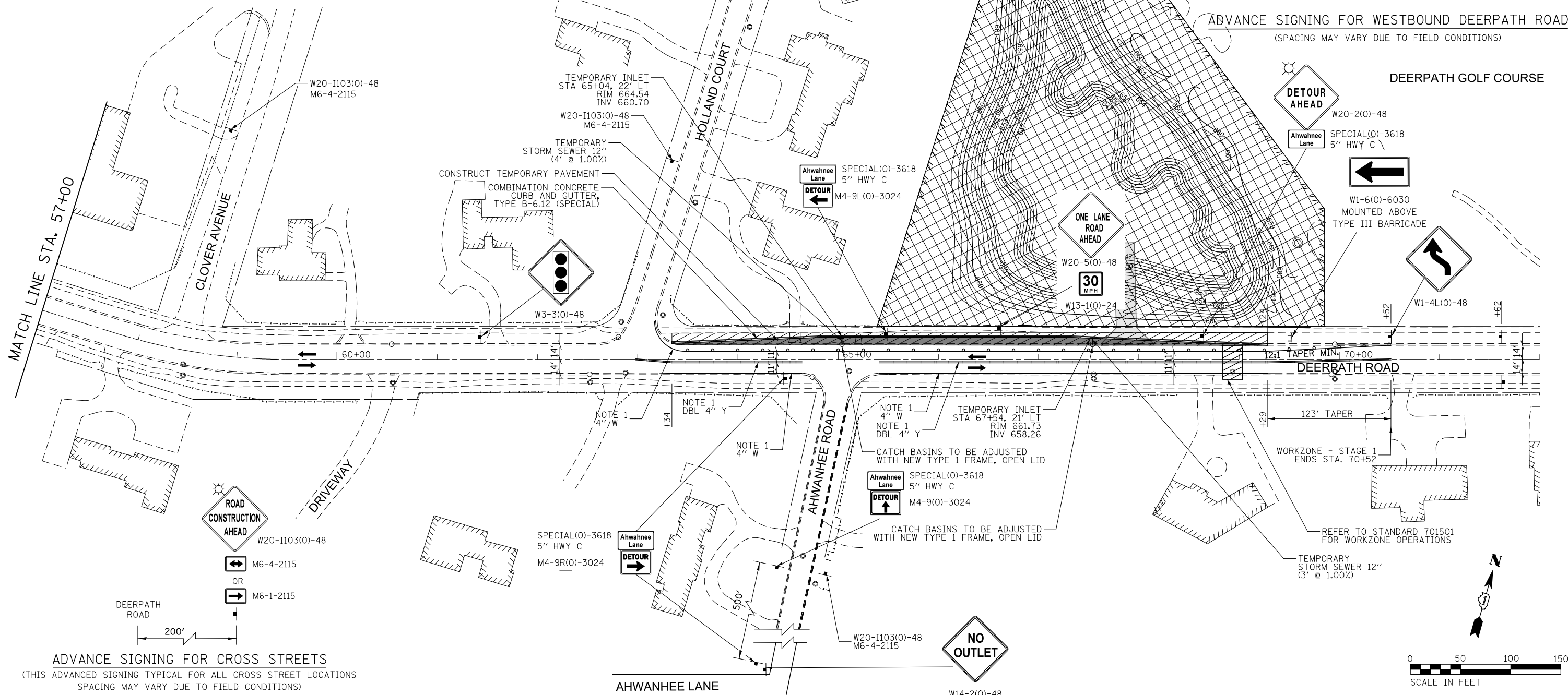
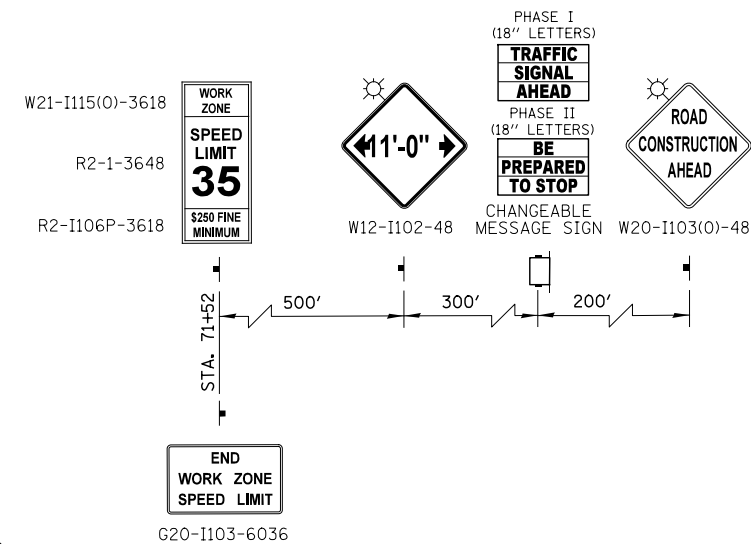
-  CONSTRUCTION WORK ZONE
-  OFF ROADWAY WORK
-  DIRECTION OF TRAFFIC
-  TEMPORARY PAVEMENT
-  TEMPORARY PORTABLE BRIDGE TRAFFIC SIGNAL
-  CONES OR DRUMS AT 20' CTRS.
-  TYPE III BARRICADES
-  TEMPORARY CONCRETE BARRIER - PINNED
-  IMPACT ATTENUATORS (NON-REDIRECTIVE)

IDOT HIGHWAY STANDARDS

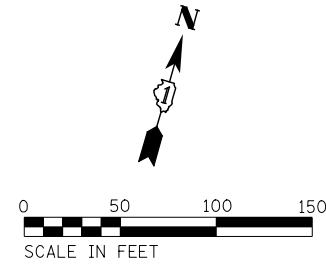
643001-02, 701301-04, 701451-05, 701501-06,
701601-09, 701801-06, 701901-08, 704001-08,
782006

NOTES:

1. CONTRACTOR SHALL USE PAVEMENT MARKING TAPE, TYPE IV, ON EXISTING PAVEMENT SURFACES TO REMAIN SIZE AND COLOR AS INDICATED.
2. TEMPORARY CONC. BARRIER - PINNED
3. CONTRACTOR SHALL UTILIZE APPLICABLE IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS LISTED AND AS MODIFIED ON THIS SHEET.
4. U.S. 41 EXIT RAMP SHALL BE CLOSED DURING STAGE 1 CONSTRUCTION.
5. CONTRACTOR TO COMPLETE STORM SEWER INSTALLATION AT STA. 68+90, LEFT & RIGHT; UTILIZING TRAFFIC CONTROL & PROTECTION STANDARD 701501 PRIOR TO LANE CLOSURE STA. 49+26 TO 56+10.
6. DEERPETH SQUARE WILL BE STAGED DURING STAGE 1 AND TWO-WAY TRAFFIC WILL BE MAINTAINED AT ALL TIMES.
7. AHWAHNEE LANE WILL BE CLOSED TO THROUGH TRAFFIC DURING STAGE 1. AHWAHNEE ROAD WILL BE UTILIZED FOR ACCESS.



ADVANCE SIGNING FOR CROSS STREETS
(THIS ADVANCED SIGNING TYPICAL FOR ALL CROSS STREET LOCATIONS
SPACING MAY VARY DUE TO FIELD CONDITIONS)



FILE NAME = L:\7355\CAO\15\sheet\101_04-Plans\162865-shr-std\taging\0_02a.dgn

KNIGHT Engineers & Architects	USER NAME = c1iss	DESIGNED JSA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE 1A DEERPETH ROAD			F.A.P. RTE. 346	SECTION (21&215)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 54
	PLOT SCALE = 1:100	CHECKED JWM	REVISED -		SCALE: 50	SHEET 8	OF 16 SHEETS	STA. TO STA.	MOT-8	CONTRACT NO. 62B65		
	PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -					ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC - LEGEND

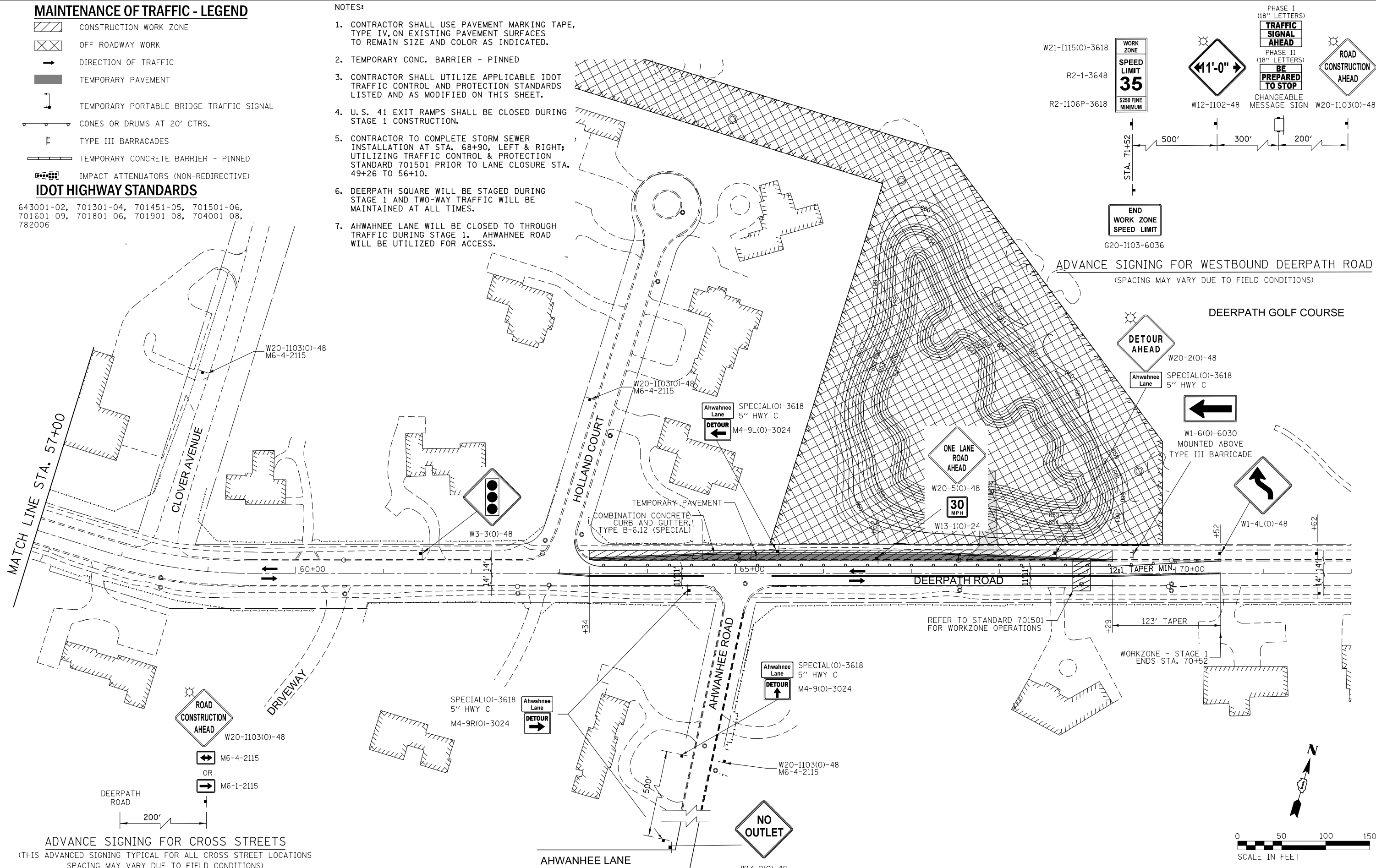
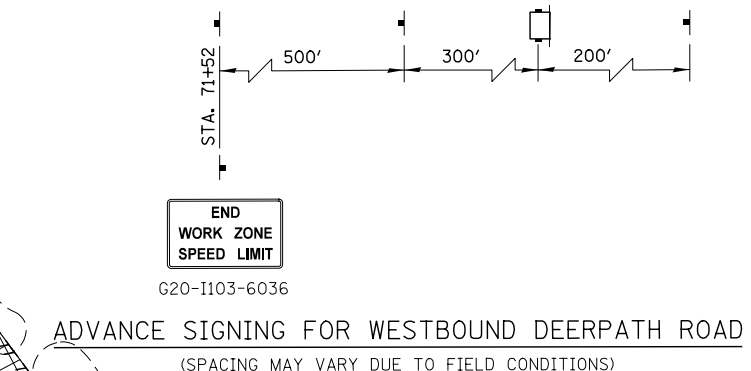
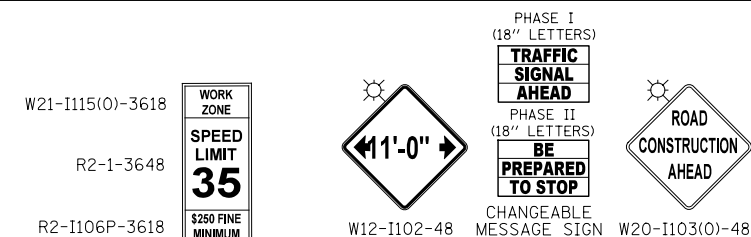
- CONSTRUCTION WORK ZONE
- OFF ROADWAY WORK
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT
- TEMPORARY PORTABLE BRIDGE TRAFFIC SIGNAL
- CONES OR DRUMS AT 20' CTRS.
- TYPE III BARRICADES
- TEMPORARY CONCRETE BARRIER - PINNED
- IMPACT ATTENUATORS (NON-REDIRECTIVE)

IDOT HIGHWAY STANDARDS

643001-02, 701301-04, 701451-05, 701501-06,
701601-09, 701801-06, 701901-08, 704001-08,
782006

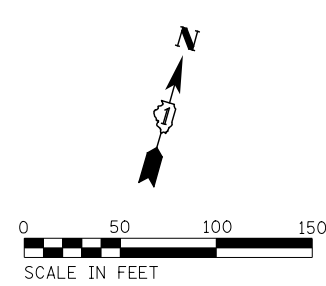
NOTES:

1. CONTRACTOR SHALL USE PAVEMENT MARKING TAPE, TYPE IV, ON EXISTING PAVEMENT SURFACES TO REMAIN SIZE AND COLOR AS INDICATED.
2. TEMPORARY CONC. BARRIER - PINNED
3. CONTRACTOR SHALL UTILIZE APPLICABLE IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS LISTED AND AS MODIFIED ON THIS SHEET.
4. U. S. 41 EXIT RAMP SHALL BE CLOSED DURING STAGE 1 CONSTRUCTION.
5. CONTRACTOR TO COMPLETE STORM SEWER INSTALLATION AT STA. 68+90, LEFT & RIGHT; UTILIZING TRAFFIC CONTROL & PROTECTION STANDARD 701501 PRIOR TO LANE CLOSURE STA. 49+26 TO 56+10.
6. DEERPATH SQUARE WILL BE STAGED DURING STAGE 1 AND TWO-WAY TRAFFIC WILL BE MAINTAINED AT ALL TIMES.
7. AHWAHNEE LANE WILL BE CLOSED TO THROUGH TRAFFIC DURING STAGE 1. AHWAHNEE ROAD WILL BE UTILIZED FOR ACCESS.



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ADVANCE SIGNING FOR CROSS STREETS
(THIS ADVANCED SIGNING TYPICAL FOR ALL CROSS STREET LOCATIONS
SPACING MAY VARY DUE TO FIELD CONDITIONS)



<p>KNIGHT Engineers & Architects</p>	USER NAME = c1iss PLOT SCALE = 1:100 PLOT DATE = 6/25/2020	DESIGNED JSA DRAWN MAL CHECKED JWM DATE 06/26/20	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE 1B DEERPATH ROAD	SCALE: 50	SHEET 10 OF 16 SHEETS	STA. TO STA.	F.A.P. RTE. 346 MOT-10	SECTION (21&21S)-I	COUNTY LAKE	TOTAL SHEETS 290 SHEET NO. 56	CONTRACT NO. 62B65
	ILLINOIS FED. AID PROJECT												

MAINTENANCE OF TRAFFIC - LEGEND

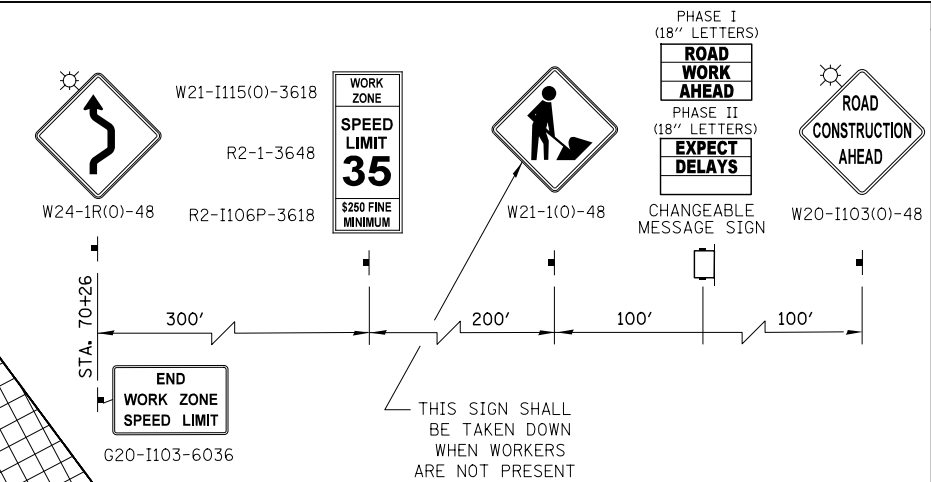
- CONSTRUCTION WORK ZONE
- OFF ROADWAY WORK
- DIRECTION OF TRAFFIC
- TEMPORARY PAVEMENT
- TEMPORARY PORTABLE BRIDGE TRAFFIC SIGNAL
- CONES OR DRUMS AT 20' CTRS.
- TYPE III BARRICADES
- TEMPORARY CONCRETE BARRIER - PINNED
- IMPACT ATTENUATORS (NON-REDIRECTIVE)
- DOUBLE VERTICAL PANEL WITH STEADY BURNING LIGHT

IDOT HIGHWAY STANDARDS

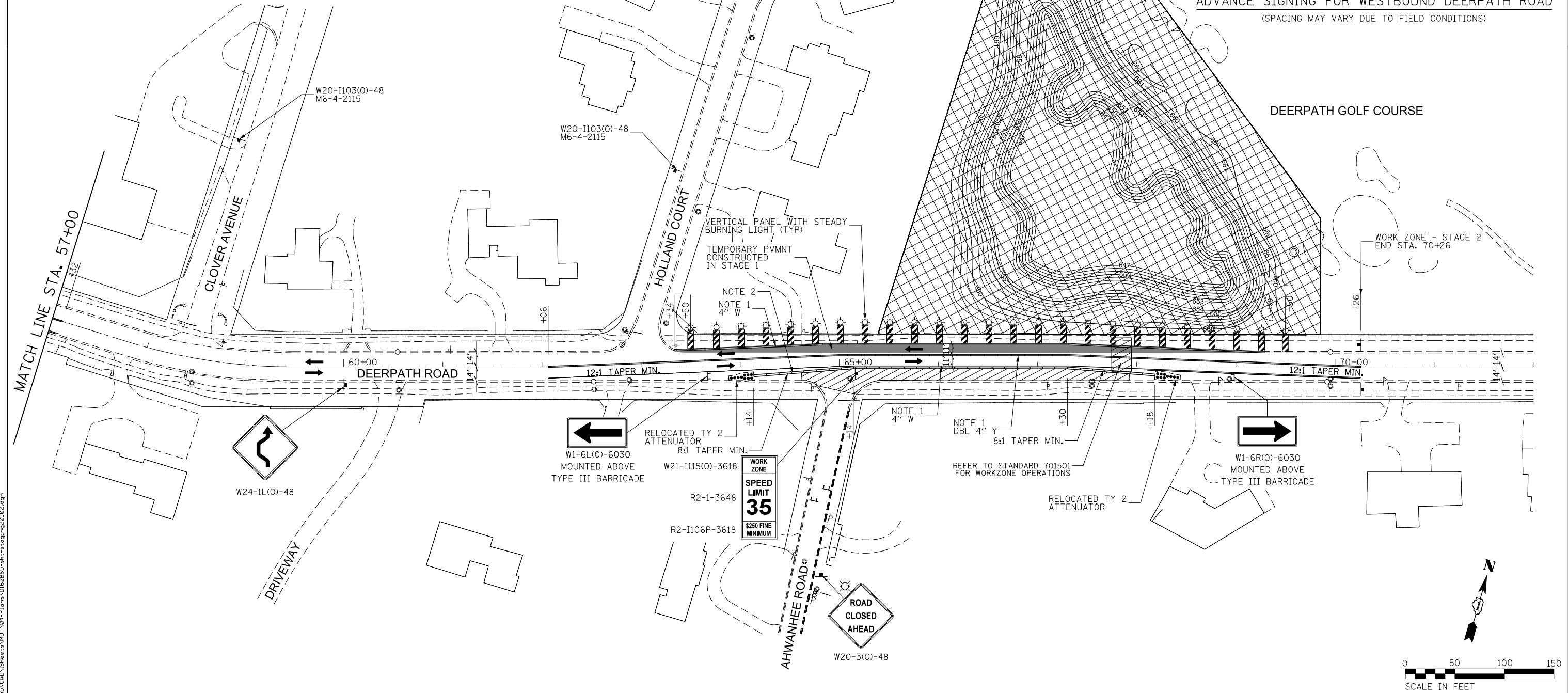
643001-02, 701501-06, 701801-06, 701901-08, 704001-08

NOTES:

1. CONTRACTOR SHALL USE PAVEMENT MARKING TAPE, TYPE IV, ON EXISTING PAVEMENT SURFACES TO REMAIN SIZE AND COLOR AS INDICATED.
2. TEMPORARY CONC. BARRIER - PINNED
3. CONTRACTOR SHALL UTILIZE APPLICABLE IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS LISTED AND AS MODIFIED ON THIS SHEET.



ADVANCE SIGNING FOR WESTBOUND DEERPATH ROAD
(SPACING MAY VARY DUE TO FIELD CONDITIONS)



FILE NAME = L:\7355\CAON\Sheets\MOT_04-P\Jens\0162865-shr-t-staging\20_02.dgn



USER NAME = c1iss	DESIGNED JSA	REVISED -
PLOT SCALE = 1:100	DRAWN MAL	REVISED -
PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -
	DATE 06/26/20	REVISED -









**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - STAGE 2
DEERPATH ROAD**

SCALE: 50 SHEET 12 OF 16 SHEETS STA. TO STA.

F.A.P. RTE. 346	SECTION (21&21S)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 58
MOT-12		CONTRACT NO. 62B65		
ILLINOIS FED. AID PROJECT				

MAINTENANCE OF TRAFFIC - LEGEND

-  CONSTRUCTION WORK ZONE
-  OFF ROADWAY WORK
-  DIRECTION OF TRAFFIC
-  TEMPORARY PAVEMENT
-  TEMPORARY PORTABLE BRIDGE TRAFFIC SIGNAL
-  CONES OR DRUMS AT 20' CTRS.
-  TYPE III BARRICADES
-  TEMPORARY CONCRETE BARRIER - PINNED

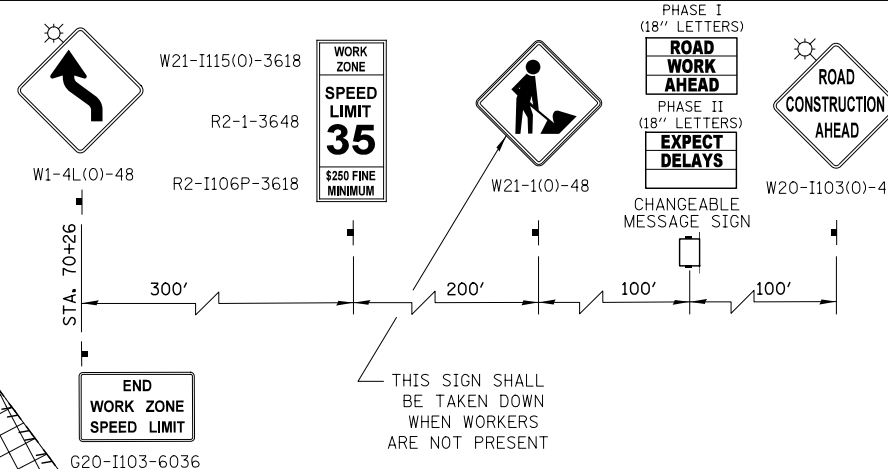
IMPACT ATTENUATORS (NON-REDIRECTIVE)

IDOT HIGHWAY STANDARDS

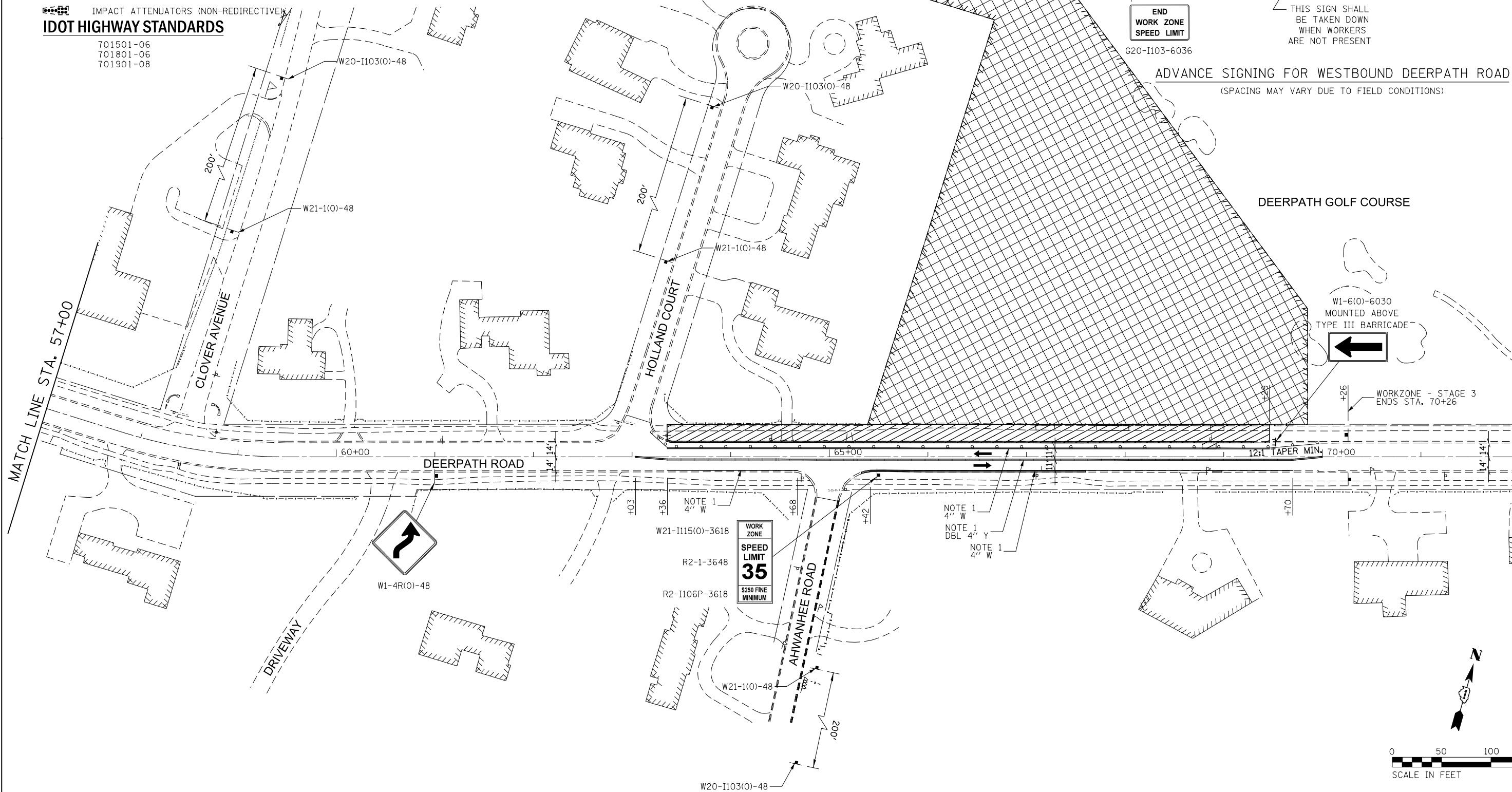
- 701501-06
- 701801-06
- 701901-08

NOTES:

1. CONTRACTOR SHALL USE PAVEMENT MARKING TAPE, TYPE IV, ON EXISTING PAVEMENT SURFACES TO REMAIN SIZE AND COLOR AS INDICATED.
2. TEMPORARY CONC. BARRIER - PINNED
3. CONTRACTOR SHALL UTILIZE APPLICABLE IDOT TRAFFIC CONTROL AND PROTECTION STANDARDS LISTED AND AS MODIFIED ON THIS SHEET.

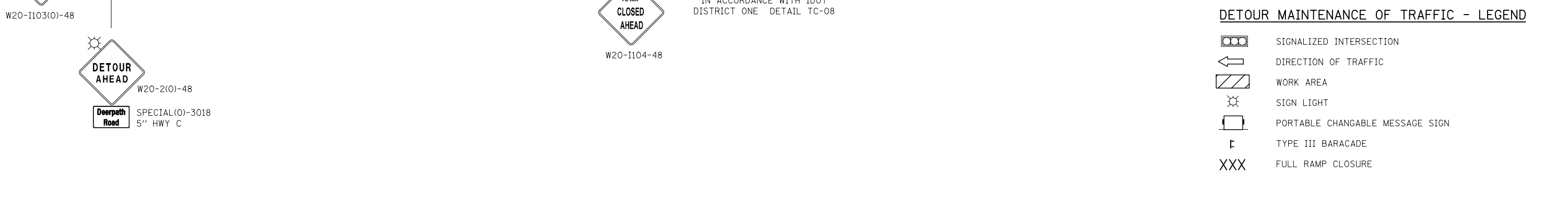
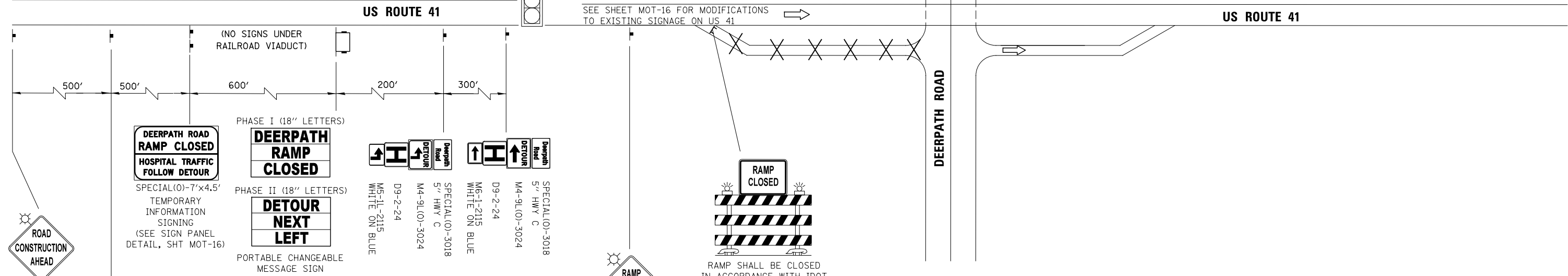
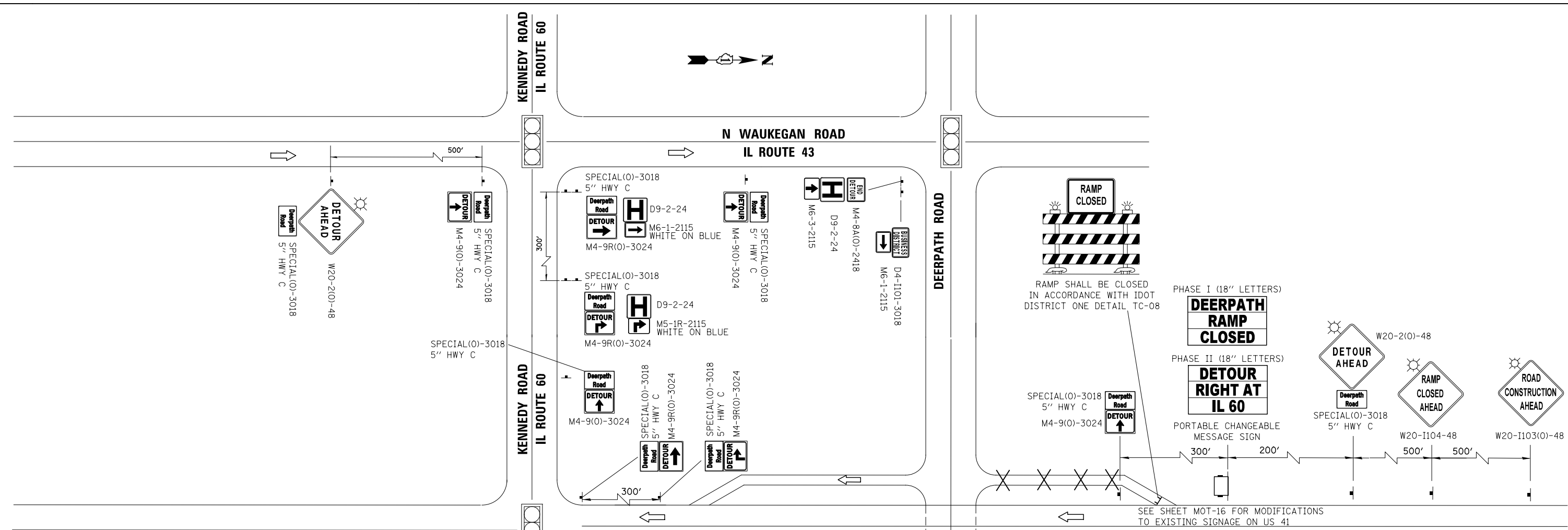
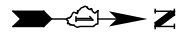


ADVANCE SIGNING FOR WESTBOUND DEERPETH ROAD
(SPACING MAY VARY DUE TO FIELD CONDITIONS)



FILE NAME = L:\7255\CAON\Sheets\MOT_04-Plans\0162865-shr-t-staging\30_02.dgn

 Engineers & Architects	USER NAME = c11ss	DESIGNED JSA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC - STAGE 3 DEERPETH ROAD	SCALE: 50	SHEET 14 OF 16 SHEETS	STA. TO STA.	F.A.P. RTE. 346	SECTION (21&21S)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 60
	PLOT SCALE = 1:100	DRAWN MAL	REVISED -			MOT-14	ILLINOIS FED. AID PROJECT						
PLOT DATE = 6/25/2020	CHECKED JWM	DATE 06/26/20	REVISED -					CONTRACT NO. 62B65					



DETOUR MAINTENANCE OF TRAFFIC - LEGEND

- SIGNALIZED INTERSECTION
- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN LIGHT
- PORTABLE CHANGABLE MESSAGE SIGN
- TYPE III BARCADE
- FULL RAMP CLOSURE

FILE NAME = L:\7355\CAO\15\sheet\15\MOT_04-Plans\0162865-shr-DeTourPl.en.01.dgn

KNIGHT Engineers & Architects	USER NAME = c1iss	DESIGNED JSA	REVISED -
	PLOT SCALE = 1:100	DRAWN	REVISED -
	PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -
		DATE 06/26/20	REVISED -

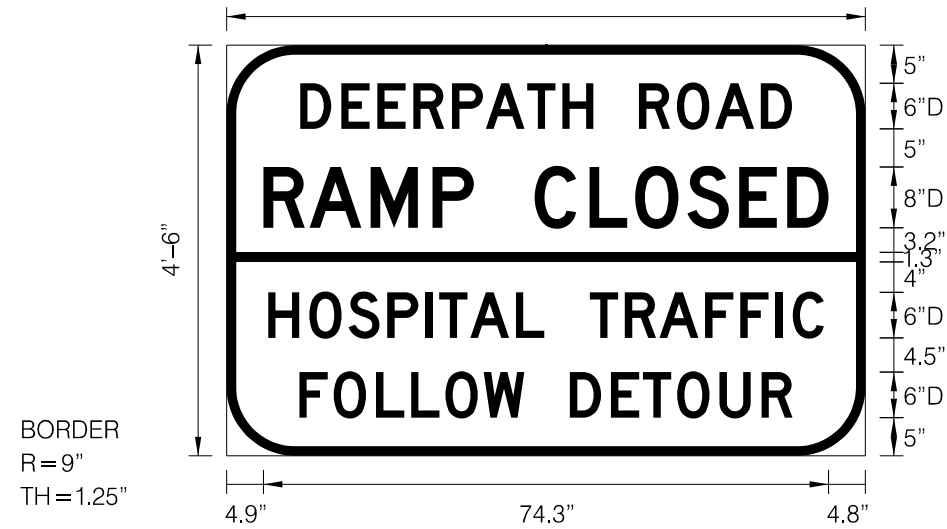
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC DETOUR ROUTE FOR EXIT RAMP CLOSURE	
SCALE:	SHEET 15 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MOT-15	(21&215)-I	LAKE	290	61
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B65	

SIGN DETAIL
1:25

THIS SIGN SHALL BE MEASURED AND PAID FOR SEPARATELY UNDER THE ITEM TEMPORARY INFORMATION SIGNING
7'-0"



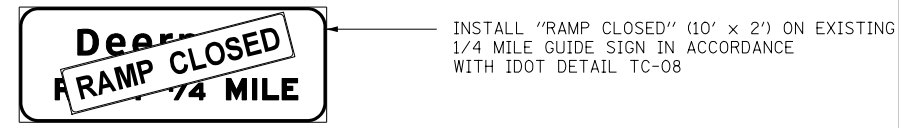
Panel Style: construction_guide OH Dist 1.ssi
Dimensions are in inches.tenths

Letter locations are panel edge to lower left corner

SIGN NUMBER	SPECIAL(O)-DETOUR
WIDTH x HGHT.	7'-0" x 4'-6"
BORDER WIDTH	1.25"
CORNER RADIUS	9"
MOUNTING	Temporary Ground
BACKGROUND	TYPE: AP SHEETING COLOR: Orange
LEGEND/BORDER	TYPE: AP SHEETING COLOR: Black/Black

SYMBOL	ROT	X	Y	WID	HT

LETTER POSITIONS (X)																LENGTH	SERIESIZE
D	E	E	R	P	A	T	H		R	O	A	D					D 2000
9.7	15.1	19.8	24.6	29.7	34.1	39.6	44.2	48.3	54.3	59.2	64.3	70.3					64.7 6
R	A	M	P		C	L	O	S	E	D							D 2000
4.9	10.9	18.9	27.1	32.5	40.5	47.7	53.7	60.6	67.4	73.7							74.3 8
H	O	S	P	I	T	A	L		T	R	A	F	F	I	C		D 2000
5.5	10.9	16	21.1	26.1	28	32.1	38.1	41.8	47.8	52.4	57	63	67.6	72.2	74.5		73.1 6
F	O	L	L	O	W		D	E	T	O	U	R					D 2000
9.6	14.1	19.7	24.3	28.8	33.8	39.2	45.2	50.6	54.8	59.3	64.8	70.4					64.9 6



INSTALL "RAMP CLOSED" (10' x 2') ON EXISTING 1/4 MILE GUIDE SIGN IN ACCORDANCE WITH IDOT DETAIL TC-08



COVER EXISTING HOSPITAL SIGN ASSEMBLY



COVER EXISTING SUPPLEMENTAL GUIDE SIGN



INSTALL "RAMP CLOSED" (10' x 2') ON EXISTING GUIDE SIGN IN ACCORDANCE WITH IDOT DETAIL TC-08



COVER EXISTING EXIT SIGN

NORTHBOUND US 41 EXISTING SIGN MODIFICATIONS DURING RAMP CLOSURE



COVER EXISTING R3-7-36



COVER EXISTING SUPPLEMENTAL GUIDE SIGN



INSTALL "RAMP CLOSED" (10' x 2') ON EXISTING GUIDE SIGN IN ACCORDANCE WITH IDOT DETAIL TC-08



COVER EXISTING EXIT SIGN

SOUTHBOUND US 41 EXISTING SIGN MODIFICATIONS DURING RAMP CLOSURE

FILE NAME = L:\7255\CAON\Sheet\01\04-Plans\0162B65-shr-DetourSigns_02.dgn

KNIGHT Engineers & Architects	USER NAME = c1iss	DESIGNED JSA	REVISED -
	PLOT SCALE = 1:100	DRAWN	REVISED -
	PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -
		DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC DETOUR SIGNS FOR EXIT RAMP CLOSURE	
SCALE:	SHEET 16 OF 16 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	62
MOT-16			CONTRACT NO. 62B65	
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 FOUND ON THE CONSTRUCTION TAB AT: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).
2. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL CHECK ALL EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES 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 SNOWMELT.
4. THE CONTRACTOR SHOULD PROVIDE TO THE 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 EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION.
5. 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.
6. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
7. 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 ENGINEER.
8. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.
9. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
10. THE MAINTENANCE AND REPAIR OR REPLACEMENT OF EROSION CONTROL ITEMS, WHEN DIRECTED BY THE ENGINEER, WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED PAY ITEMS.
11. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MUD AND SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORK DAY BY SHOVELING AND/OR SWEEPING.
12. INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS AND MANHOLES WITH OPEN GRATES.
13. TEMPORARY EROSION CONTROL SEEDING MIXTURE WILL DEPEND ON THE TIME OF YEAR SEED IS TO BE APPLIED AND SHALL BE IN ACCORDANCE WITH ARTICLE 1081.15(G) OF THE STANDARD SPECIFICATIONS. STABILIZATION OF ALL AREAS DISTURBED BY CONSTRUCTION SHALL COMMENCE WITHIN 1 DAY AND BE COMPLETE WITHIN 14 DAYS FOR ANY PORTION OF THE SITE THAT WILL BE IDLE FOR MORE THAN 14 DAYS. IF THAT PORTION OF THE SITE WILL BECOME ACTIVE AGAIN AFTER 14 DAYS, TEMPORARY STABILIZATION MEASURES CAN BE USED.
14. "PROTECTED WETLAND - NO INTRUSION" SIGNAGE SHALL BE PROVIDED AT THE BOUNDARY OF ALL IMPACTED WETLANDS AND/OR WOUS. THE CONTRACTOR SHALL ATTACH A MINIMUM OF 2 SIGNS. THE SIGN(S) SHALL BE ATTACHED TO THE TEMPORARY FENCE BY A METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT LANDSCAPE ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICKUP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171. WHEN WORK HAS BEEN COMPLETED, UNDAMAGED OR REPLACED SIGNS SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY FENCE. THE CONTRACTOR SHALL INCLUDE TEMPORARY FENCING AND WETLAND SIGNAGE WITHIN THE EROSION AND SEDIMENT CONTROL STRATEGY.
15. 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. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
16. BROADCASTING OF THE SEED BY MACHINE, HAND METHODS, HYDRAULIC SEEDING OR OTHER METHODS APPROVED BY THE ENGINEER WILL BE ALLOWED FOR TEMPORARY EROSION CONTROL SEEDING.
17. TOPSOIL AND FERTILIZER NUTRIENTS ARE NOT REQUIRED FOR TEMPORARY EROSION CONTROL SEEDING.
18. SEED BED PREPARATION WILL NOT BE REQUIRED FOR TEMPORARY EROSION CONTROL SEEDING IF THE SOIL IS IN A LOOSE CONDITION. LIGHT DISKING SHALL BE DONE IF THE SOIL IS HARD PACKED OR CAKED.
19. ALL PERIMETER EROSION BARRIER AND TEMPORARY FENCE SHALL BE INSTALLED WITHIN THE TEMPORARY EASEMENT, PROPOSED RIGHT-OF-WAY OR EXISTING RIGHT-OF-WAY.
20. EROSION CONTROL BLANKET SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS AFTER TEMPORARY EROSION CONTROL SEEDING HAS BEEN COMPLETED ON ALL AREAS WITH SLOPES OF 1:3 (V:H) OR STEEPER, AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
21. THE CONSTRUCTION LIMITS WILL BE STAKED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED CONSTRUCTION LIMITS.
22. ANY REQUIRED ADJUSTMENT AND/OR RECONSTRUCTION OF THE PROPOSED STRUCTURE TO FINAL RIM ELEVATION SHALL NOT BE PAID FOR SEPARATELY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT COST FOR THE PROPOSED STRUCTURE.
23. ALL RIM AND INVERTS FOR TEMPORARY DRAINAGE STRUCTURES ARE ESTIMATES AND NEED TO BE FIELD VERIFIED. NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO INSTALLATION. NO EXTRA COMPENSATION WILL BE PROVIDED FOR ANY DISCREPANCIES DETERMINED IN THE FIELD.
24. SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND LIVE STREAMS OR WETLANDS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE, AND STABILIZED IN ACCORDANCE WITH MULCH METHOD 2 IMMEDIATELY WHEN THE TOPSOIL SHALL BE UNDISTURBED FOR 14 DAYS, AND STABILIZATION SHALL BE COMPLETED WITHIN 14 DAYS. THE CONTRACTOR WILL PROVIDE AN ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCK PILE.

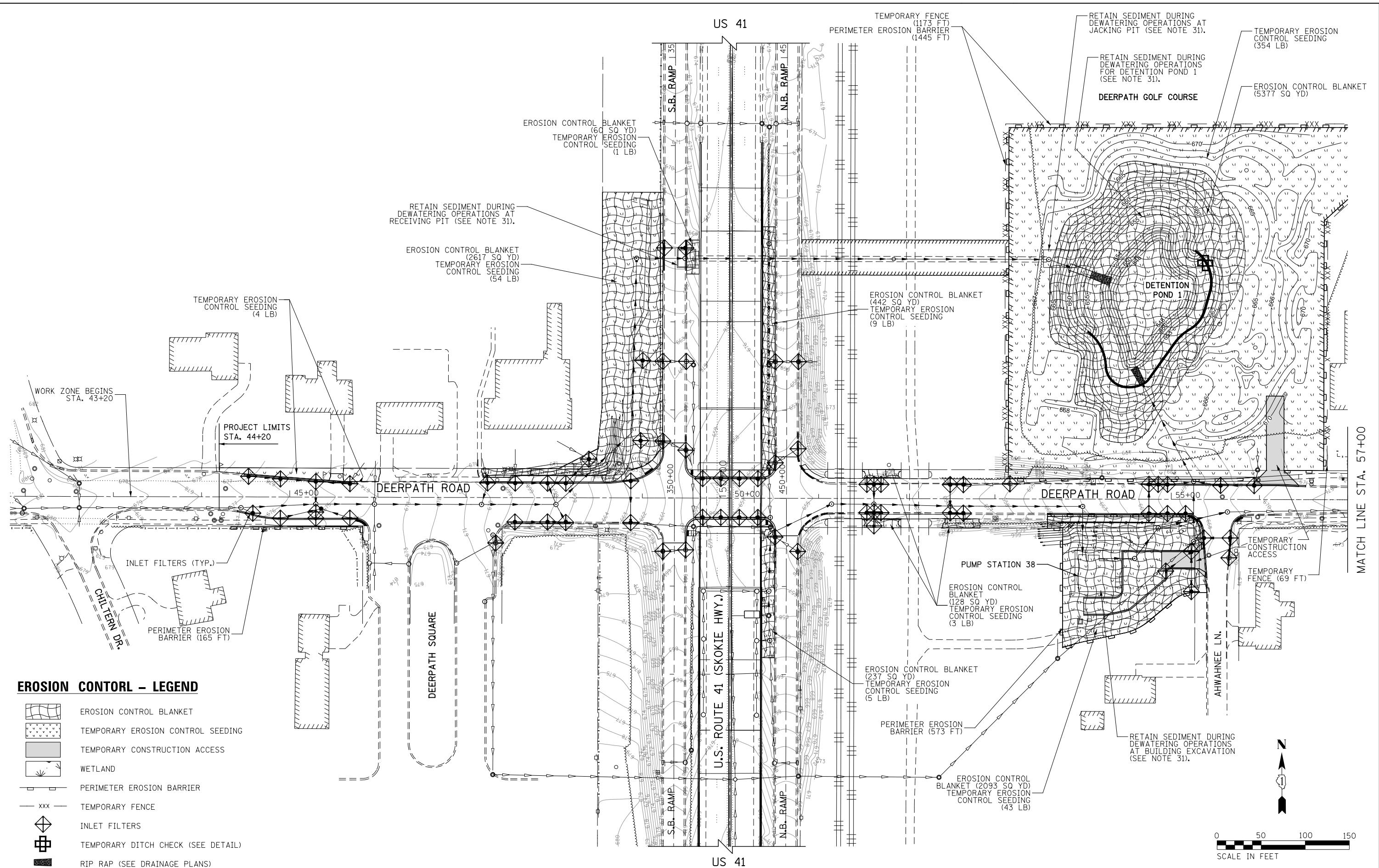
EROSION CONTROL NOTES CONTINUED

25. SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING MEASURE PRIOR TO RELEASE FROM THE SITE.
26. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
27. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDRAULIC DISTURBANCE OF UPLAND AREAS.
28. TEMPORARY CONSTRUCTION ACCESS SHALL BE CONSTRUCTED AT LOCATIONS DESIGNATED BY THE ENGINEER. SEE TEMPORARY CONSTRUCTION ACCESS DETAIL FOR ADDITIONAL INFORMATION.
29. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL SHALL BE PLACED IN STAGE I AND MAINTAINED (IF REQUIRED) IN AN EFFECTIVE WORKING CONDITION THROUGHOUT ALL SUBSEQUENT STAGES.
30. UNLESS OTHERWISE INDICATED, ALL VEGETATION AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL LATEST EDITION.
31. USE PORTABLE SEDIMENT TANK OR TEMPORARY SEDIMENT TRAP TO RETAIN SEDIMENT DURING DEWATERING OPERATIONS. THE COST OF SEDIMENT REMOVAL SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION OR THE COST OF STORM SEWER JACKED IN PLACE, 54". WHERE THERE IS LOW, INTERMITTENT PUMPING ACTIVITY, PUMPS WITH SEDIMENT FILTRATION BAGS ATTACHED TO PUMP DISCHARGES SHALL BE USED.
32. THE PAY ITEM MULCH, METHOD 2 HAS BEEN PROVIDED WITH A QUANTITY OF 1 ACRE FOR THE PURPOSES OF BEING APPLIED TO SLOPES FOR TEMPORARY STABILIZATION PRIOR TO SEASONS WHEN TEMPORARY SEED WILL NOT GERMINATE.










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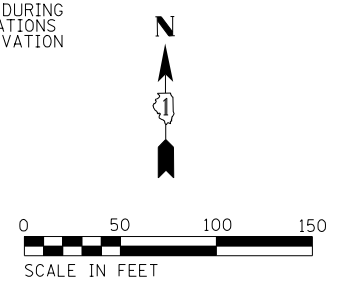
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	PLOT SCALE = 1:100	CHECKED JWM	REVISED -					346	(21&21S)-I	LAKE	290	63
	PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.			CONTRACT NO. 62B65				
								ILLINOIS FED. AID PROJECT				

FILE NAME = L:\7255\CAO\N\Sheets\Erosion Control\162865-sh1-ErosionControl.dwg



EROSION CONTROL - LEGEND

-  EROSION CONTROL BLANKET
-  TEMPORARY EROSION CONTROL SEEDING
-  TEMPORARY CONSTRUCTION ACCESS
-  WETLAND
-  PERIMETER EROSION BARRIER
-  TEMPORARY FENCE
-  INLET FILTERS
-  TEMPORARY DITCH CHECK (SEE DETAIL)
-  RIP RAP (SEE DRAINAGE PLANS)



USER NAME = c1iss	DESIGNED CEL	REVISED -
DRAWN CEL	REVISED -	
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






**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

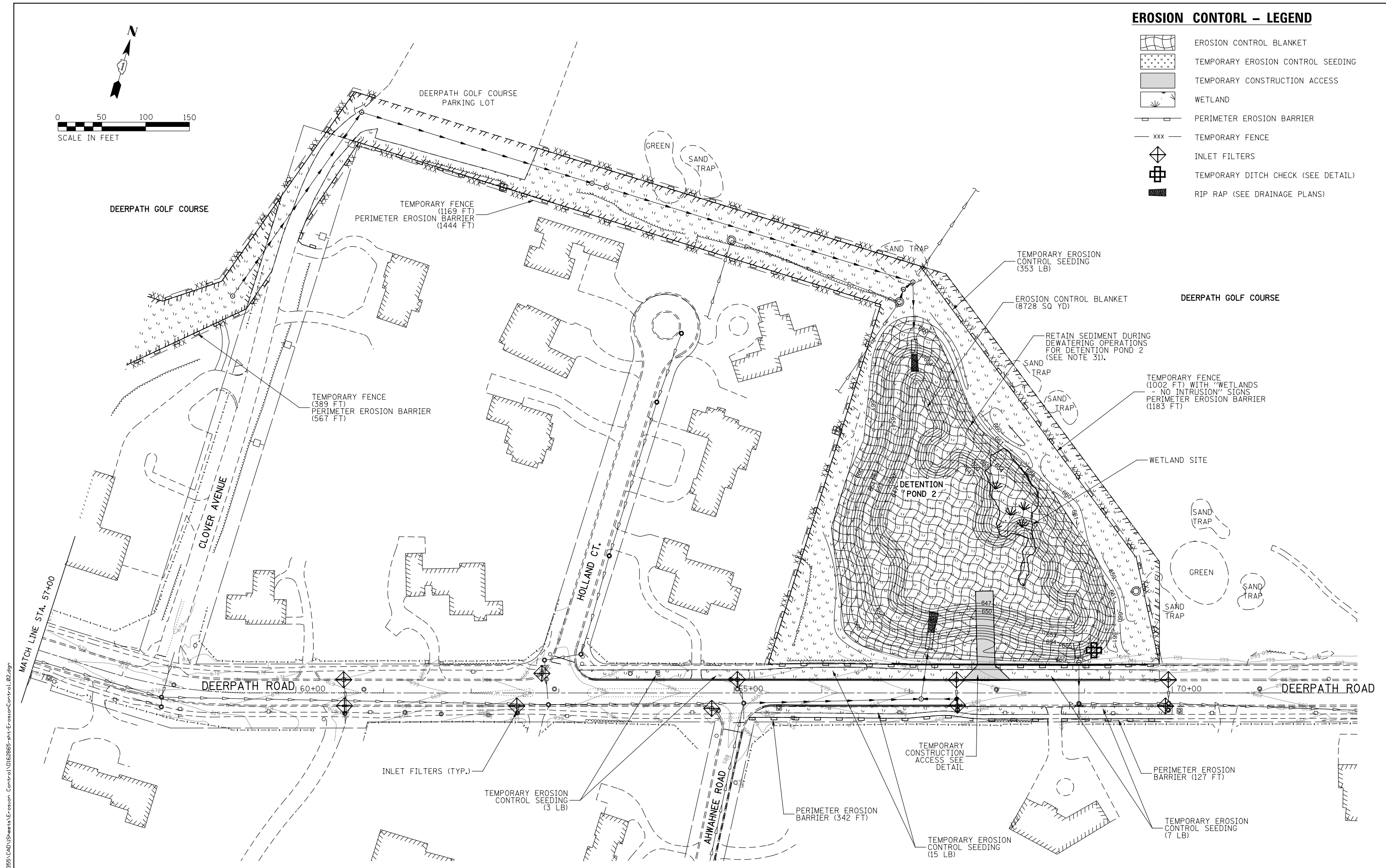
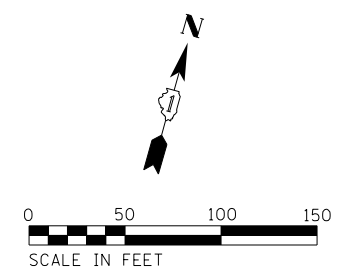
**EROSION AND SEDIMENT CONTROL
DEERPETH ROAD**

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

F.A.P. RTE. 346	SECTION (21&215)-1	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 64
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL - LEGEND

-  EROSION CONTROL BLANKET
-  TEMPORARY EROSION CONTROL SEEDING
-  TEMPORARY CONSTRUCTION ACCESS
-  WETLAND
-  PERIMETER EROSION BARRIER
-  TEMPORARY FENCE
-  INLET FILTERS
-  TEMPORARY DITCH CHECK (SEE DETAIL)
-  RIP RAP (SEE DRAINAGE PLANS)



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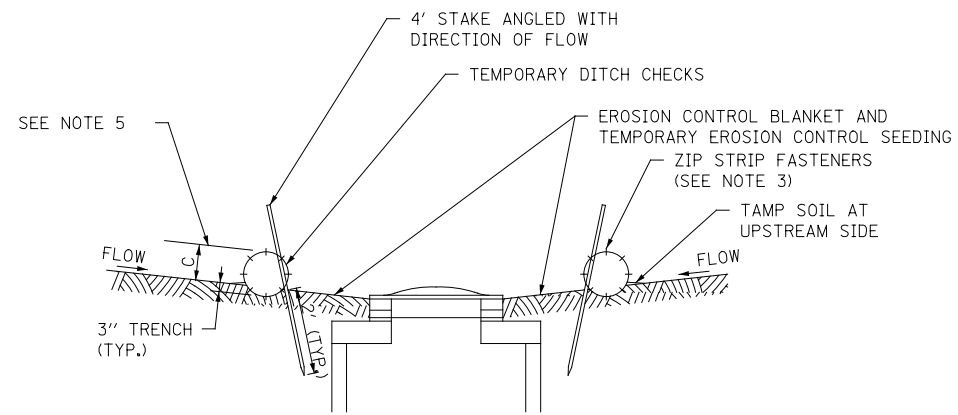
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

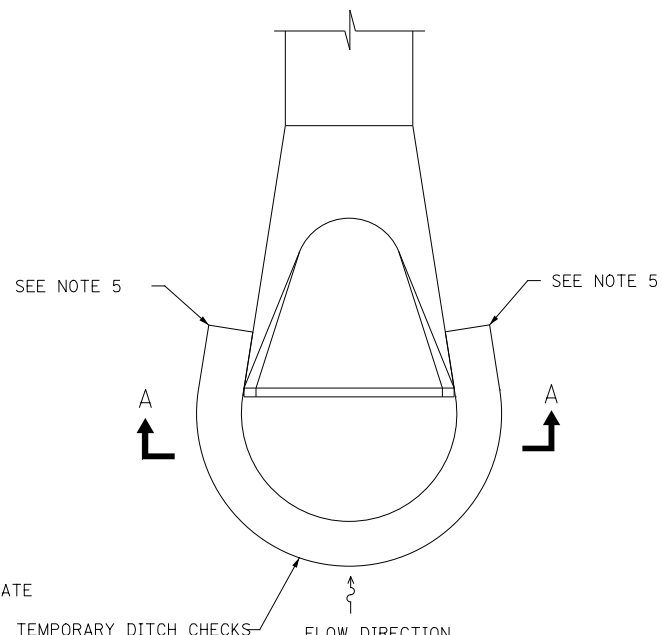
**EROSION AND SEDIMENT CONTROL
DEERPETH ROAD**

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

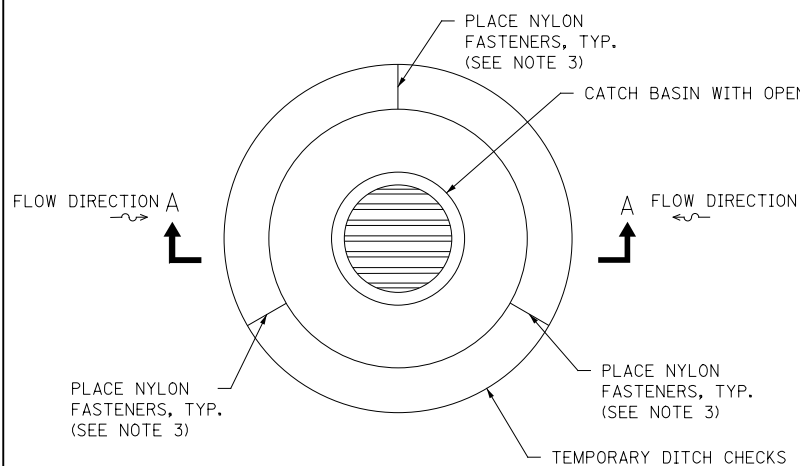
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CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				



SECTION A-A



AT CULVERT INLETS



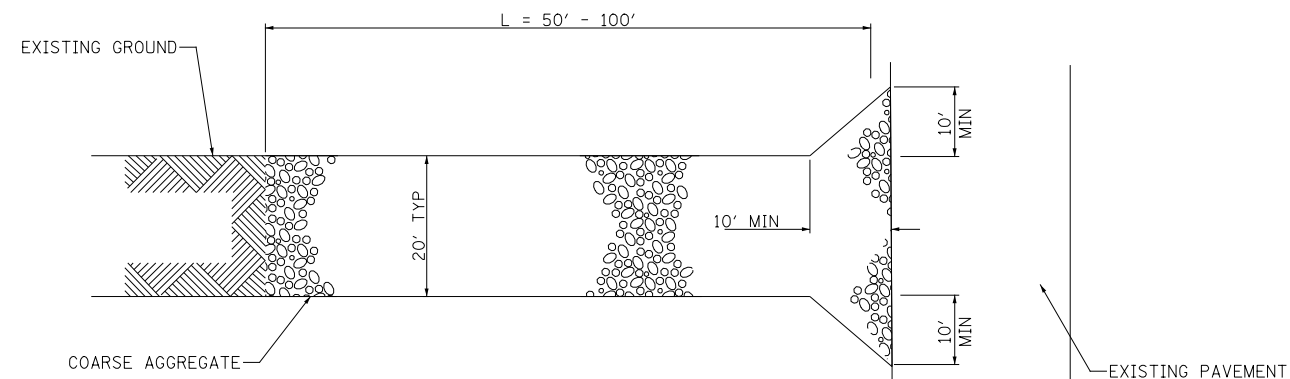
AT INLETS OR CATCH BASINS

NOTES:

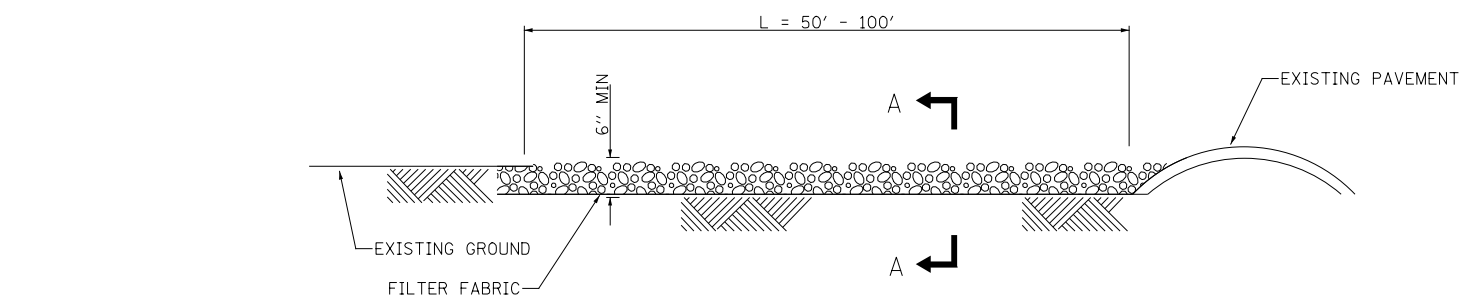
1. EROSION BARRIER SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 3" AND SOIL SHALL BE TAMPED AGAINST THE UPSTREAM SIDE TO ASSURE THAT STORM WATER IS FORCED THROUGH THE BARRIER, RATHER THAN UNDER IT.
2. STAKES SHALL BE 4' LONG, DRIVEN AT A SPACING OF 2' ON CENTER, 2" INTO THE GROUND. STAKES SHALL BE POSITIONED ON THE DOWNSTREAM SIDE AND ANGLED IN THE DIRECTION OF FLOW. WOOD STAKES TO BE A MINIMUM OF 1" SQUARE. METAL STAKES TO BE A MINIMUM OF 1" DIAMETER.
3. WHEN MORE THAN ONE BARRIER IS REQUIRED TO SURROUND THE INLET, BUTT BARRIERS TIGHTLY TOGETHER END TO END AND FASTEN TOGETHER WITH A MINIMUM OF EIGHT EQUALLY SPACED ZIP STRIP NYLON FASTENERS.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT SHALL BE REMOVED WHEN IT REACHES 50% OF BARRIER HEIGHT, THE COST TO COMPLETE THIS WORK SHALL BE CONSIDERED INCIDENTAL. THE BARRIER SHALL BE INSTALLED AND MAINTAINED SUCH THAT THE HEIGHT OF THE DEVICE IS NOT LESS THAN 10".
5. TEMPORARY DITCH CHECKS SHALL BE SUFFICIENTLY LONG ENOUGH THAT THE TOP OF THE DEVICE IN THE MIDDLE OF THE DITCH IS 6" LOWER THAN THE BOTTOM OF THE TERMINATING ENDS OF THE DITCH SIDE SLOPES.

TEMPORARY DITCH CHECK

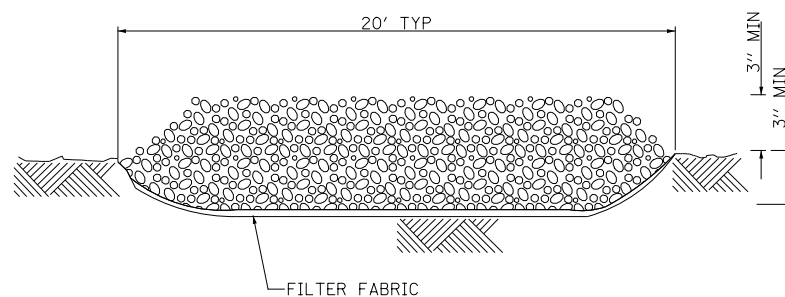
SCALE=N.T.S.



PLAN VIEW



SIDE ELEVATION



SECTION A-A

TEMPORARY CONSTRUCTION ACCESS		
LOCATION	WIDTH (FT)	LENGTH (FT)
DETENTION POND 1	20	100
DETENTION POND 2	20	100
PUMP STATION 38	20	50

TEMPORARY CONSTRUCTION ACCESS

SCALE=N.T.S.

NOTES:

1. THIS WORK SHALL CONSIST OF CONSTRUCTING A STABILIZED CONSTRUCTION ENTRANCE, INCLUDING FURNISHING, INSTALLING, MAINTAINING AND REMOVING A STABILIZED PAD OF AGGREGATE UNDERLAIN WITH FILTER FABRIC, AS SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
2. THE AGGREGATE USED SHALL BE IDOT COARSE AGGREGATE GRADATIONS CA-4, BUT MAY BE SUBSTITUTED FOR CA-1, CA-2, OR CA-3, UPON APPROVAL BY THE ENGINEER. THE AGGREGATE SHALL BE AT LEAST SIX INCHES THICK AND SHALL NOT BE PLACED UNTIL THE ENTRANCE AREA HAS BEEN INSPECTED AND APPROVED BY THE ENGINEER.
4. THE ENTRANCE SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL THE DISTURBED AREA IS STABILIZED. ANY SEDIMENT SPILLED ONTO PUBLIC RIGHT-OF-WAY(S) SHALL BE REMOVED IMMEDIATELY. ALL REMOVED MATERIALS SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY ACCORDING TO ARTICLE 202.03 OF THE "STANDARD SPECIFICATIONS" AND/OR AS DIRECTED BY THE ENGINEER.
5. TEMPORARY CONSTRUCTION ACCESS WILL BE PAID FOR AS "AGGREGATE FOR TEMPORARY ACCESS" AND MEASURED BY TON.

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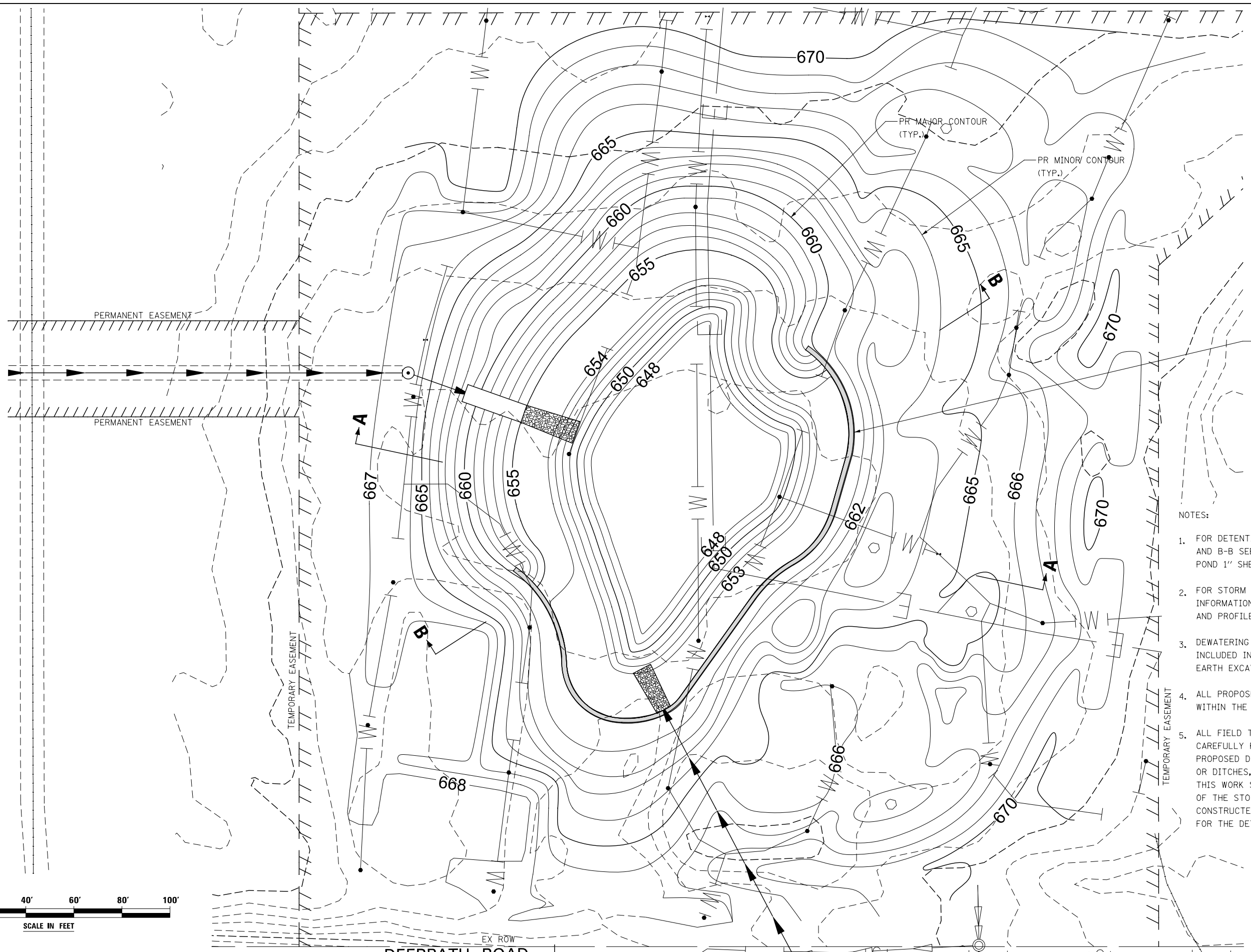
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL
DETAILS**

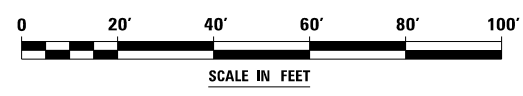
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 346	SECTION (21&215)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 66
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				



NOTES:

1. FOR DETENTION POND CROSS SECTIONS A-A AND B-B SEE "TYPICAL SECTIONS DETENTION POND 1" SHEET.
2. FOR STORM SEWER AND DRAINAGE STRUCTURE INFORMATION SEE PROPOSED DRAINAGE PLAN AND PROFILE.
3. DEWATERING FOR DETENTION POND 1 SHALL BE INCLUDED IN THE COST PER CUBIC YARD OF EARTH EXCAVATION.
4. ALL PROPOSED GRADING SHALL BE CONTAINED WITHIN THE TEMPORARY EASEMENT.
5. ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED AND CONNECTED TO PROPOSED DRAINAGE STRUCTURES, SEWERS, OR DITCHES, AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE STORM SEWER OR STRUCTURE BEING CONSTRUCTED OR IN THE EARTH EXCAVATION FOR THE DETENTION PONDS.



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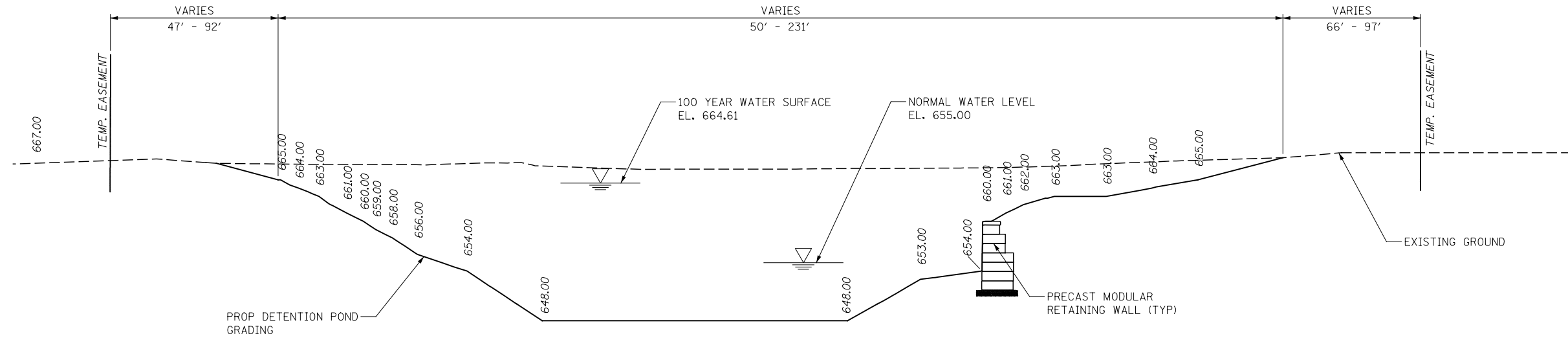
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	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

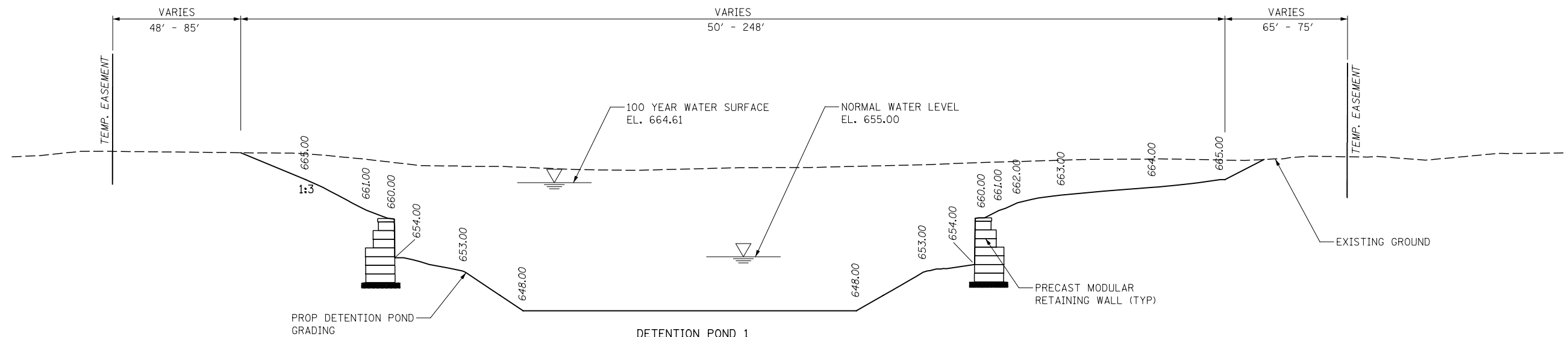
**DETENTION POND DETAILS
GRADING PLAN - DETENTION POND 1**

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

F.A.P. RTE. 346	SECTION (21&215)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 67
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				



DETENTION POND 1
SECTION A-A



DETENTION POND 1
SECTION B-B

NOTE:
1. SEE "ALIGNMENT, TIES AND BENCHMARKS" SHEETS FOR ELEVATION DATUM.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

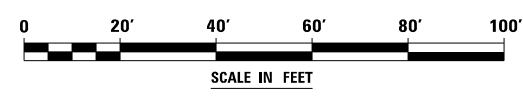
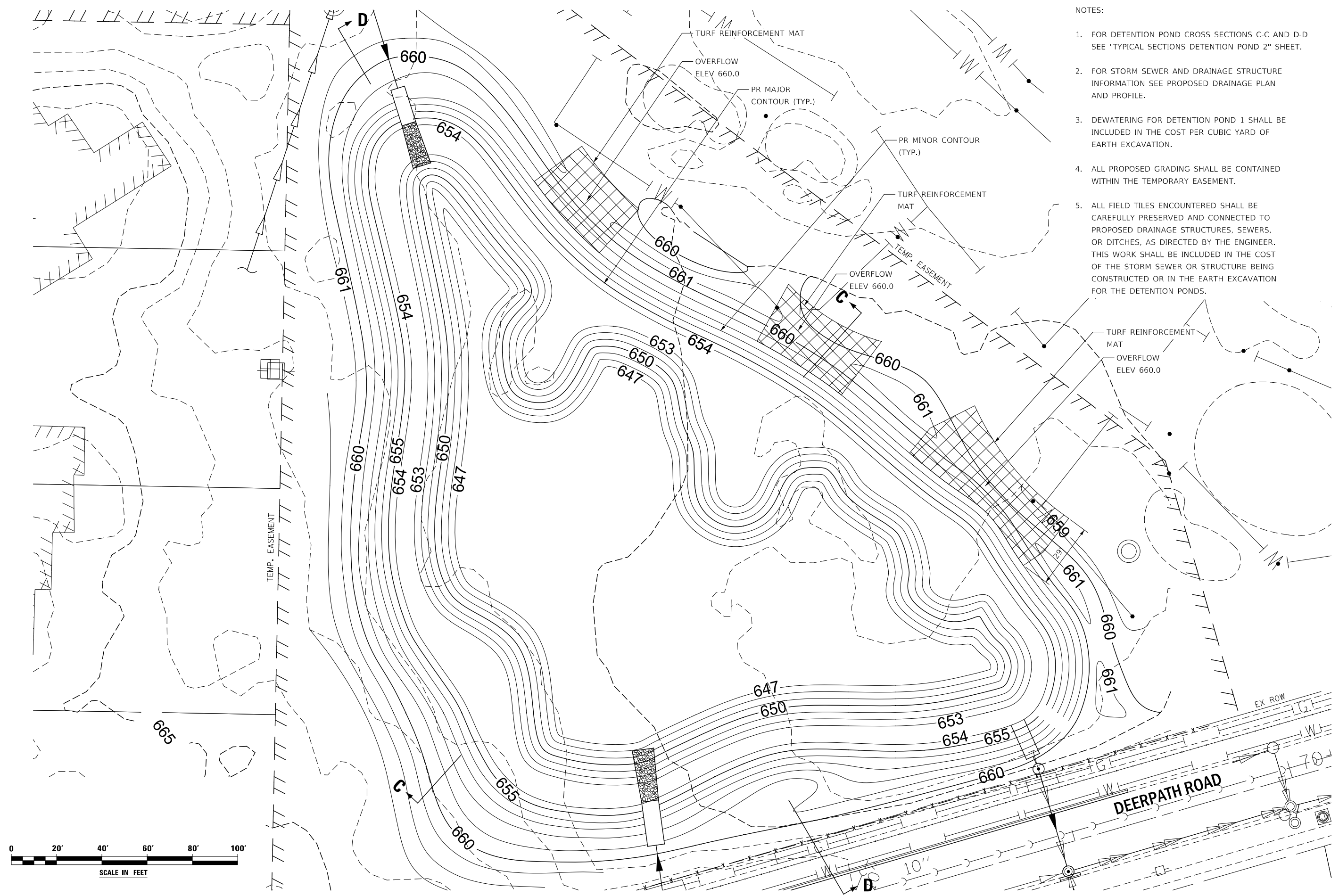
DETENTION POND DETAILS
TYPICAL SECTION - DETENTION POND 1

SCALE: NONE SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	68
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				



- NOTES:
- FOR DETENTION POND CROSS SECTIONS C-C AND D-D SEE "TYPICAL SECTIONS DETENTION POND 2" SHEET.
 - FOR STORM SEWER AND DRAINAGE STRUCTURE INFORMATION SEE PROPOSED DRAINAGE PLAN AND PROFILE.
 - DEWATERING FOR DETENTION POND 1 SHALL BE INCLUDED IN THE COST PER CUBIC YARD OF EARTH EXCAVATION.
 - ALL PROPOSED GRADING SHALL BE CONTAINED WITHIN THE TEMPORARY EASEMENT.
 - ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED AND CONNECTED TO PROPOSED DRAINAGE STRUCTURES, SEWERS, OR DITCHES, AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE STORM SEWER OR STRUCTURE BEING CONSTRUCTED OR IN THE EARTH EXCAVATION FOR THE DETENTION PONDS.



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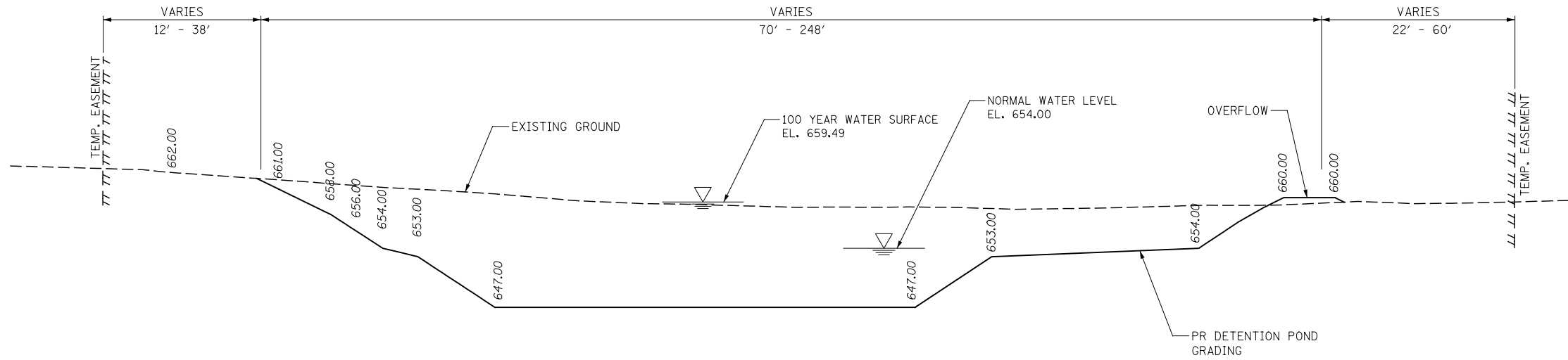
KNIGHT
Engineers & Architects

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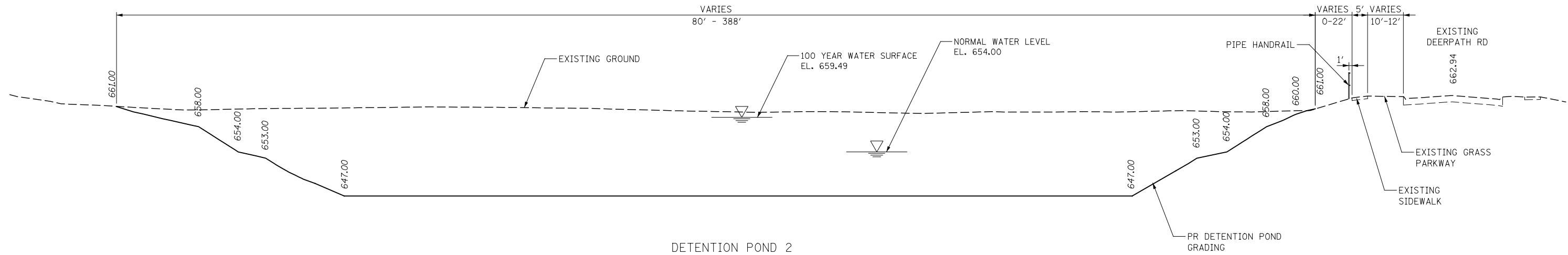
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETENTION POND DETAILS	
GRADING PLAN - DETENTION POND 2	
SCALE:	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 346	SECTION (21&215)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 69
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				



DETENTION POND 2
SECTION C-C



DETENTION POND 2
SECTION D-D

NOTE:
1. SEE "ALIGNMENT, TIES AND BENCHMARKS" SHEETS FOR ELEVATION DATUM.

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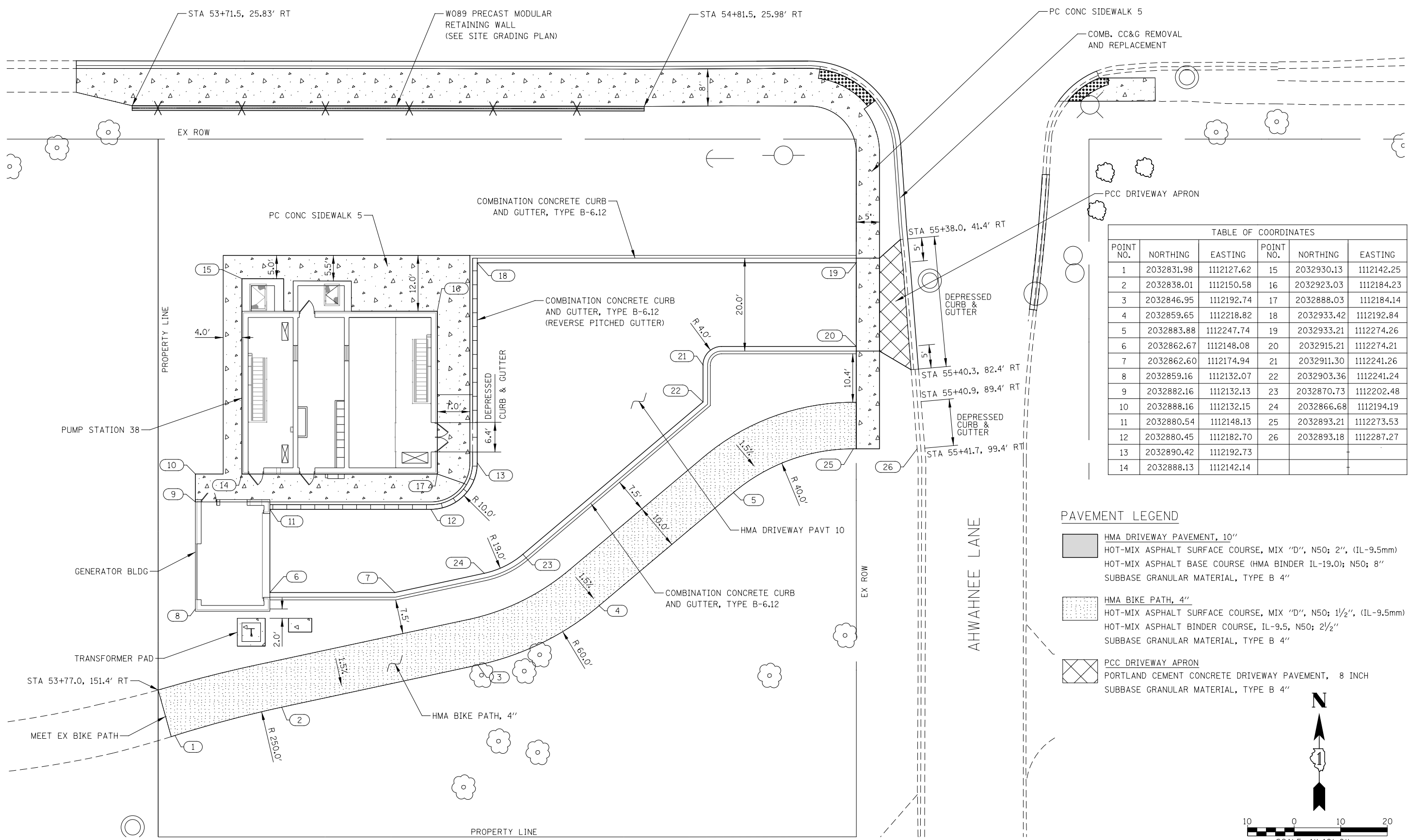
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETENTION POND DETAILS			
TYPICAL SECTION - DETENTION POND 2			
SCALE:	SHEET 2	OF 2 SHEETS	STA. TO STA.

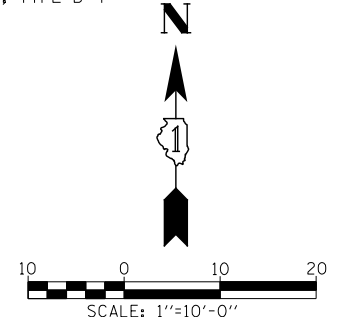
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346	(21&21S)-I	LAKE	290	70
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

54 DEERPATH ROAD 55+00 56



POINT NO.	NORTHING	EASTING	POINT NO.	NORTHING	EASTING
1	2032831.98	1112127.62	15	2032930.13	1112142.25
2	2032838.01	1112150.58	16	2032923.03	1112184.23
3	2032846.95	1112192.74	17	2032888.03	1112184.14
4	2032859.65	1112218.82	18	2032933.42	1112192.84
5	2032883.88	1112247.74	19	2032933.21	1112274.26
6	2032862.67	1112148.08	20	2032915.21	1112274.21
7	2032862.60	1112174.94	21	2032911.30	1112241.26
8	2032859.16	1112132.07	22	2032903.36	1112241.24
9	2032882.16	1112132.13	23	2032870.73	1112202.48
10	2032888.16	1112132.15	24	2032866.68	1112194.19
11	2032880.54	1112148.13	25	2032893.21	1112273.53
12	2032880.45	1112182.70	26	2032893.18	1112287.27
13	2032890.42	1112192.73			
14	2032888.13	1112142.14			

	HMA DRIVEWAY PAVEMENT, 10"
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2", (IL-9.5mm)
	HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0); N50; 8"
	SUBBASE GRANULAR MATERIAL, TYPE B 4"
	HMA BIKE PATH, 4"
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 1 1/2", (IL-9.5mm)
	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50; 2 1/2"
	SUBBASE GRANULAR MATERIAL, TYPE B 4"
	PCC DRIVEWAY APRON
	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH
	SUBBASE GRANULAR MATERIAL, TYPE B 4"



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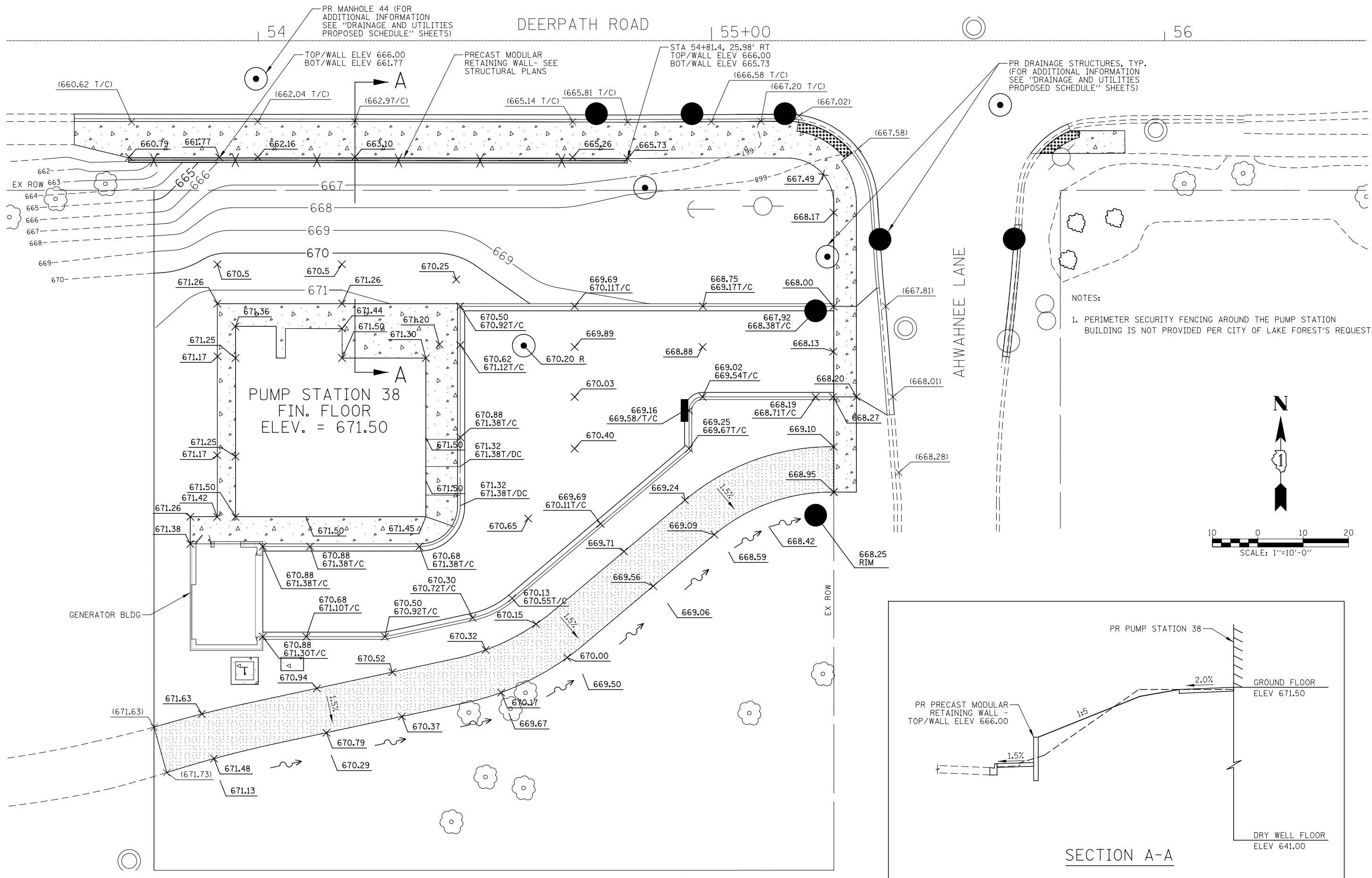
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

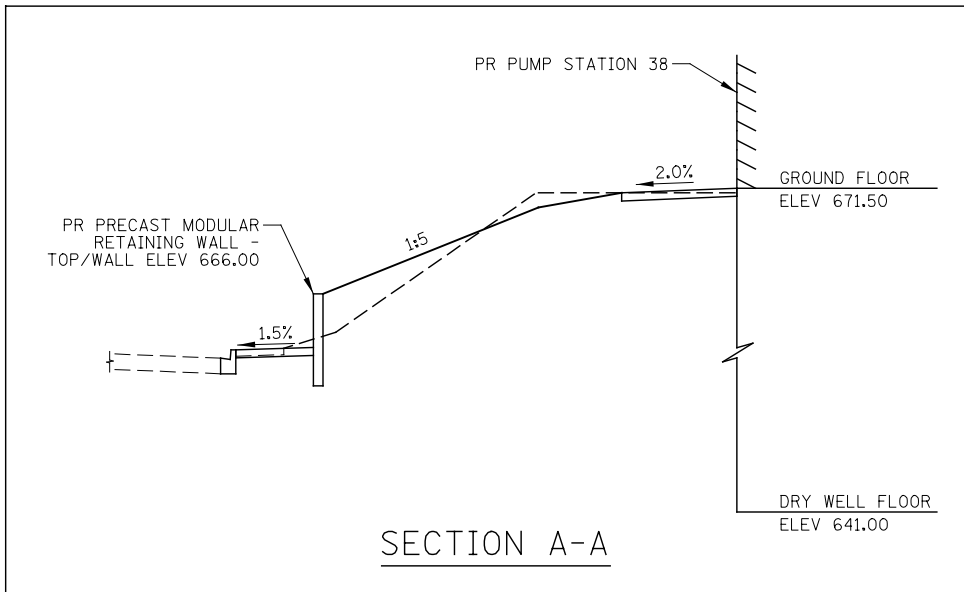
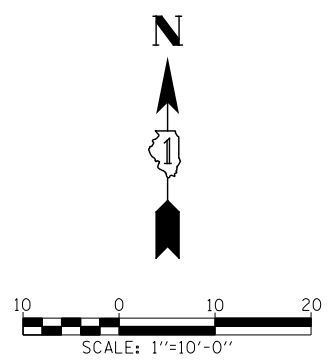
PUMP STATION 38 SITE PLANS
SITE GEOMETRICS PLAN

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 346	SECTION (21&21S)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 71
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				



NOTES:
 1. PERIMETER SECURITY FENCING AROUND THE PUMP STATION BUILDING IS NOT PROVIDED PER CITY OF LAKE FOREST'S REQUEST.



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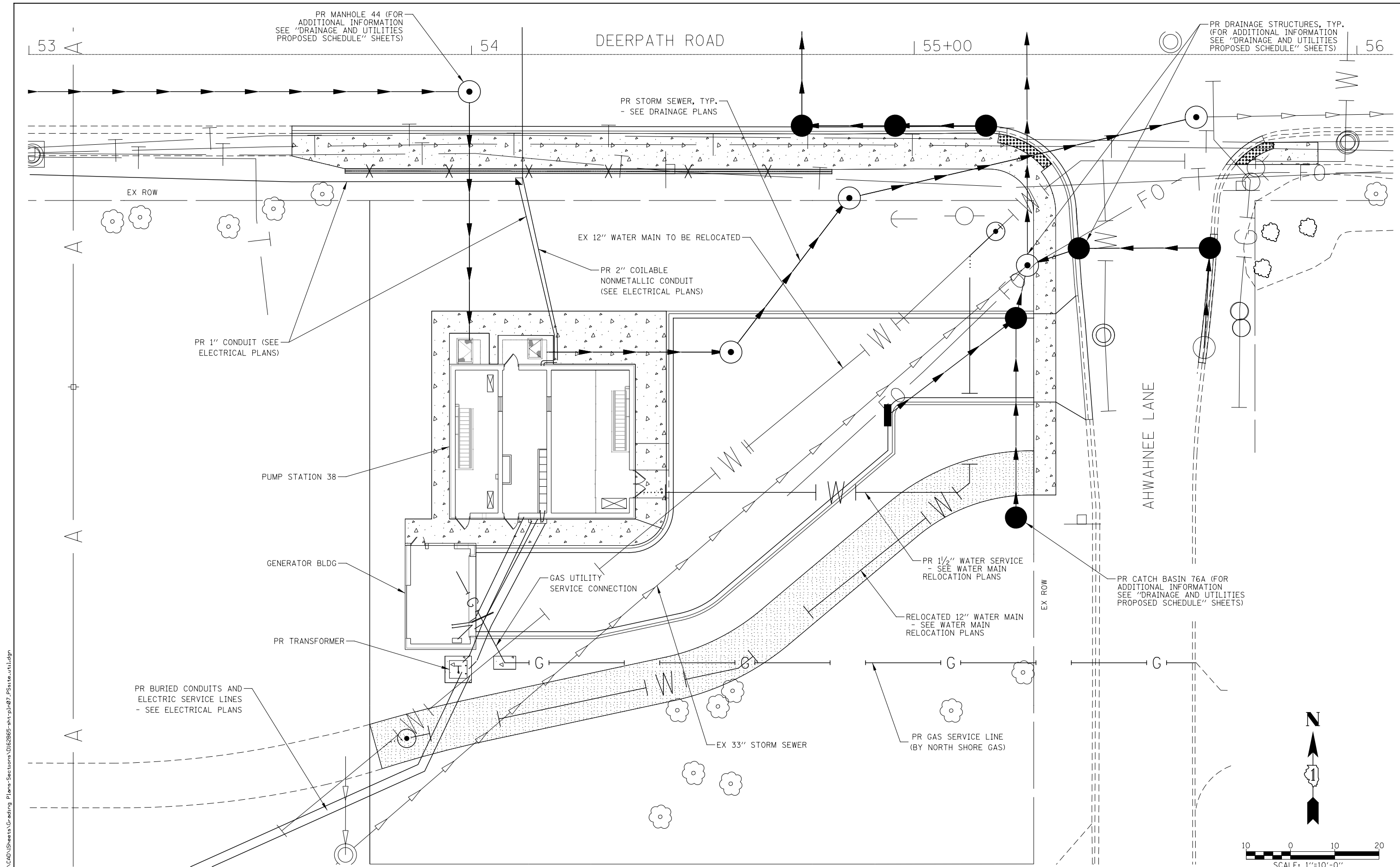
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	DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PUMP STATION 38 SITE PLANS
GRADING PLAN

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE. 346	SECTION (21&21S)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 72
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				



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KNIGHT
Engineers & Architects

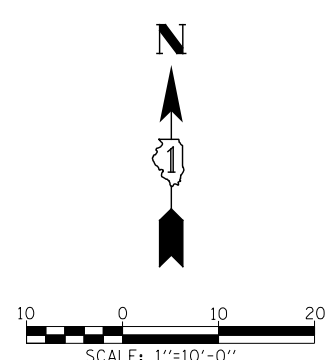
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	DATE 06/26/20	REVISED -

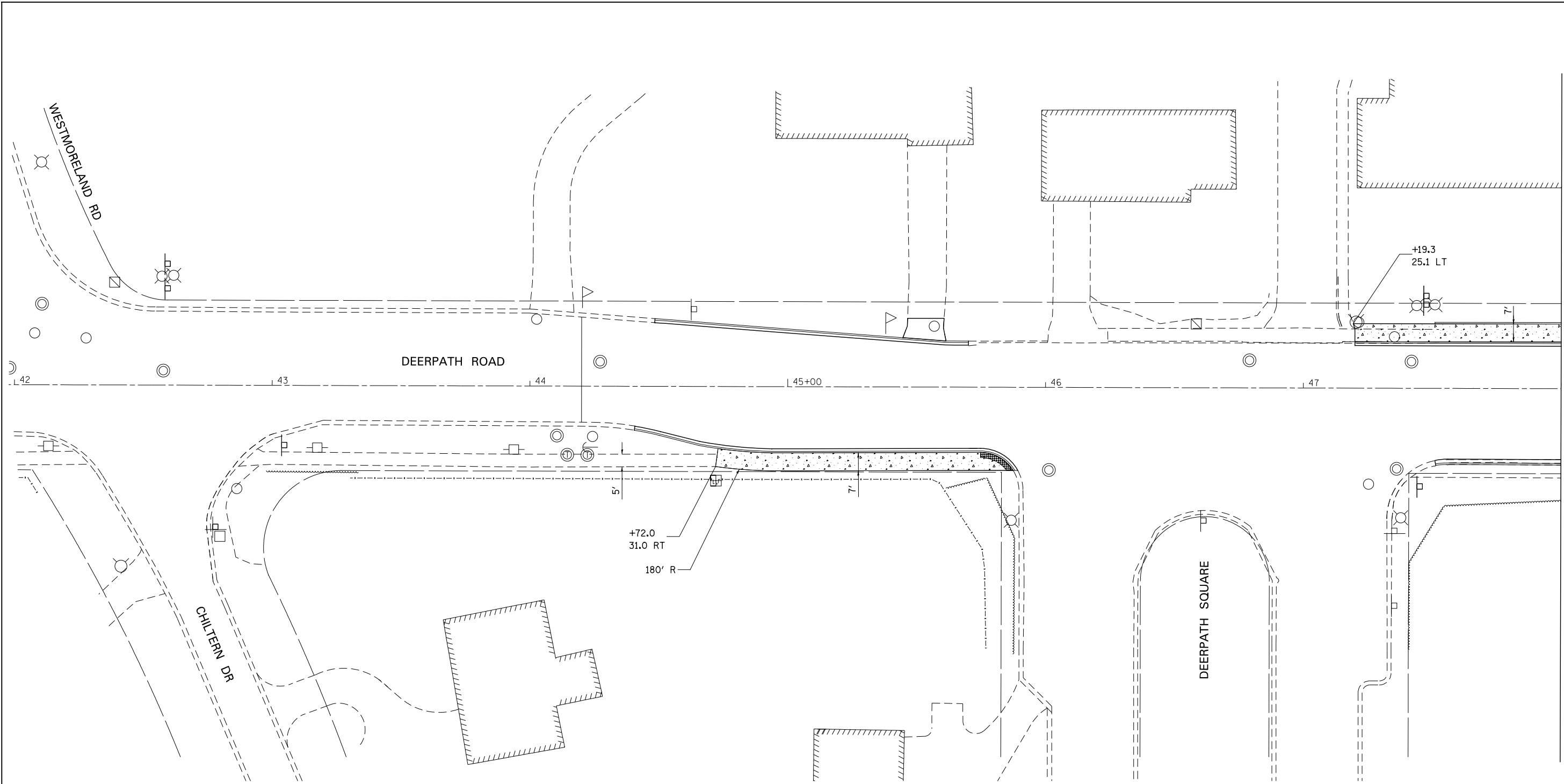
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PUMP STATION 38 SITE PLANS
UTILITY PLAN

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

F.A.P. RTE. 346	SECTION (21&21S)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 73
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				





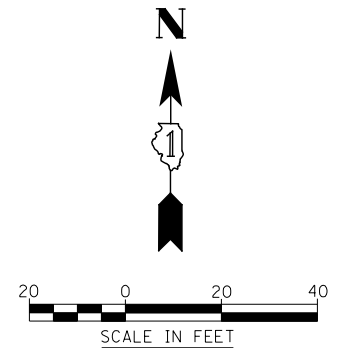
MATCHLINE STA. 48+00

NOTES

1. FOR PROPOSED PAVEMENT, AND CURB & GUTTER INFORMATION SEE PLAN / PROFILE SHEETS.
2. FOR PROPOSED PAVEMENT MARKING & SIGNAGE INFORMATION SEE PAVEMENT MARKING AND SIGNING SHEETS.
3. THE VARIABLE SIDE CURB ADJACENT TO SIDEWALK RAMPs SHALL BE INCLUDED IN THE MEASURED AREA FOR PAYMENT FOR "PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH." THE VARIABLE SIDE CURB SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARDS 424001 & 424006.
4. FOR PROPOSED HMA BIKE PATH PAVEMENT, SEE TYPICAL SECTION DETAILS - BIKE PATH.
5. SEE ADA RAMP DETAILS FOR LAYOUT AT CORNERS.

SIDEWALK PLAN LEGEND

- DETECTABLE WARNINGS
- PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- HMA BIKE PATH, 4"



FILE NAME = L:\7255\CAD\Drawings\Sidewalk\162865-shr-SDMK-01.dgn



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DRAWN CEL	REVISED -	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

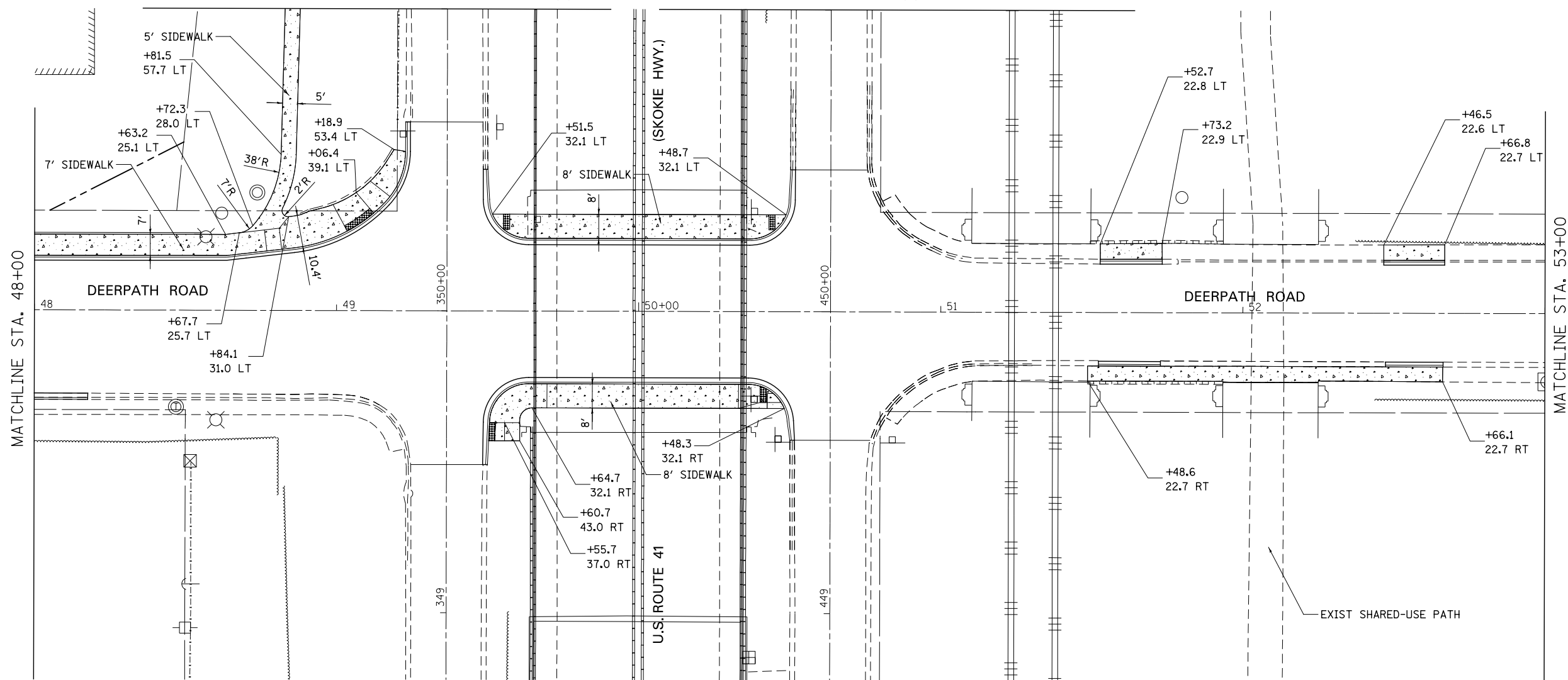
SIDEWALK PLANS

SCALE: AS SHOWN SHEET 1 OF 5 SHEETS STA. 44+20 TO STA. 48+00




F.A.P. RTE. 346	SECTION (21&21S)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 74
CONTRACT NO. 62B65			ILLINOIS FED. AID PROJECT	

US41 SB EXIT RAMP
MATCHLINE STA. 351+00

US41 NB ENTRANCE RAMP
MATCHLINE STA. 451+00

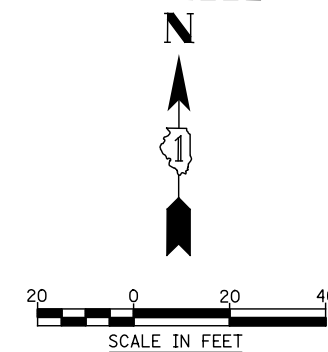


SIDEWALK PLAN LEGEND

-  DETECTABLE WARNINGS
-  PORTLAND CEMENT CONCRETE SIDEWALK, 5"
-  HMA BIKE PATH, 4"

NOTES

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4. FOR PROPOSED HMA BIKE PATH PAVEMENT, SEE TYPICAL SECTION DETAILS - BIKE PATH.
5. SEE ADA RAMP DETAILS FOR LAYOUT AT CORNERS.



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	DATE 06/26/20	REVISED -

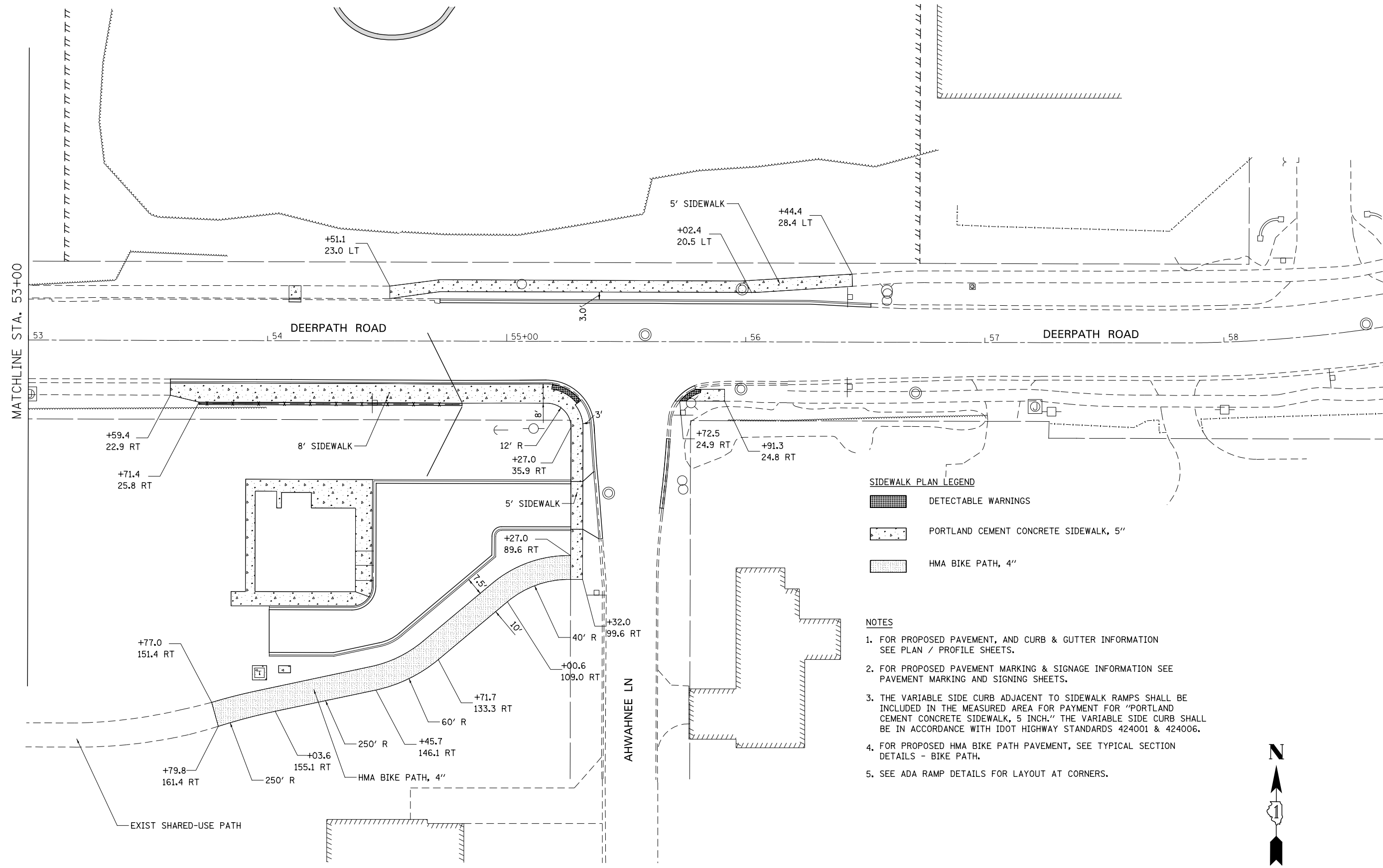
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK PLANS




SCALE: AS SHOWN SHEET 2 OF 5 SHEETS STA. 48+00 TO STA. 53+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&215)-I	LAKE	290	75
CONTRACT NO. 62B65				

ILLINOIS FED. AID PROJECT

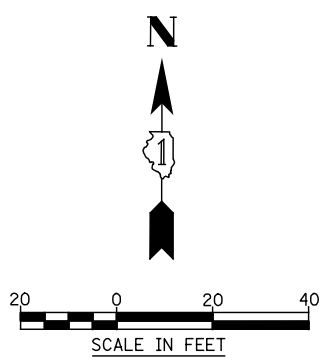


SIDEWALK PLAN LEGEND

-  DETECTABLE WARNINGS
-  PORTLAND CEMENT CONCRETE SIDEWALK, 5"
-  HMA BIKE PATH, 4"

NOTES

1. FOR PROPOSED PAVEMENT, AND CURB & GUTTER INFORMATION SEE PLAN / PROFILE SHEETS.
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4. FOR PROPOSED HMA BIKE PATH PAVEMENT, SEE TYPICAL SECTION DETAILS - BIKE PATH.
5. SEE ADA RAMP DETAILS FOR LAYOUT AT CORNERS.



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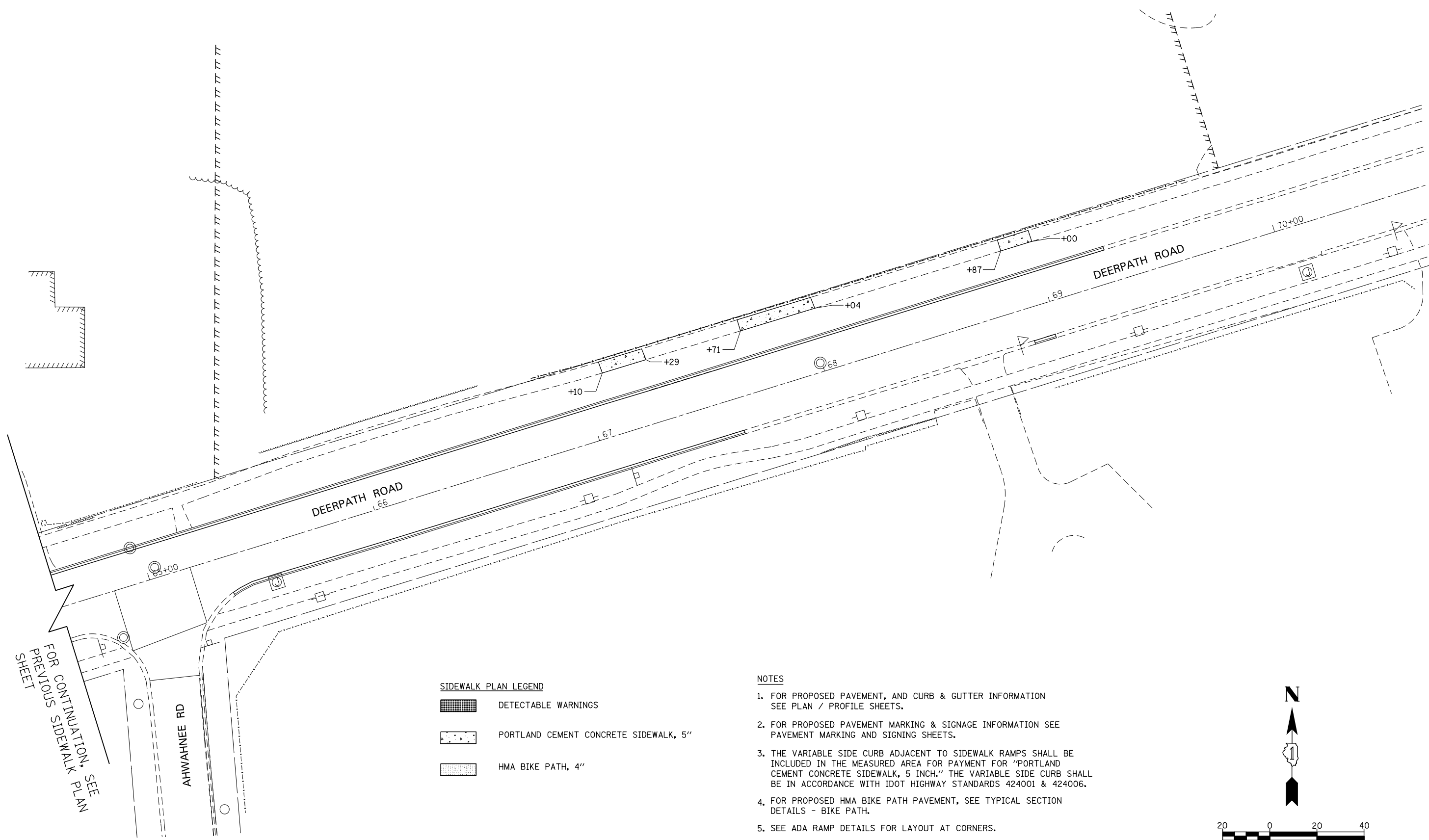
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK PLANS

SCALE: AS SHOWN SHEET 3 OF 5 SHEETS STA. 48+00 TO STA. 53+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&215)-I	LAKE	290	76
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				




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FOR CONTINUATION, SEE PREVIOUS SIDEWALK PLAN SHEET

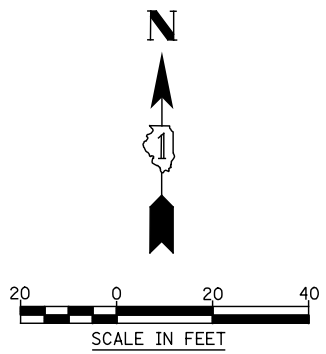
AHWAHNEE RD

SIDEWALK PLAN LEGEND

-  DETECTABLE WARNINGS
-  PORTLAND CEMENT CONCRETE SIDEWALK, 5"
-  HMA BIKE PATH, 4"

NOTES

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5. SEE ADA RAMP DETAILS FOR LAYOUT AT CORNERS.



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Engineers & Architects

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	DRAWN CEL	REVISED -
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PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK PLANS




SCALE: AS SHOWN SHEET 4 OF 5 SHEETS STA. TO STA.

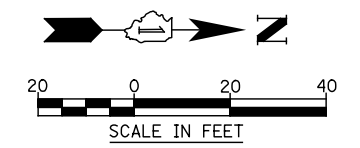
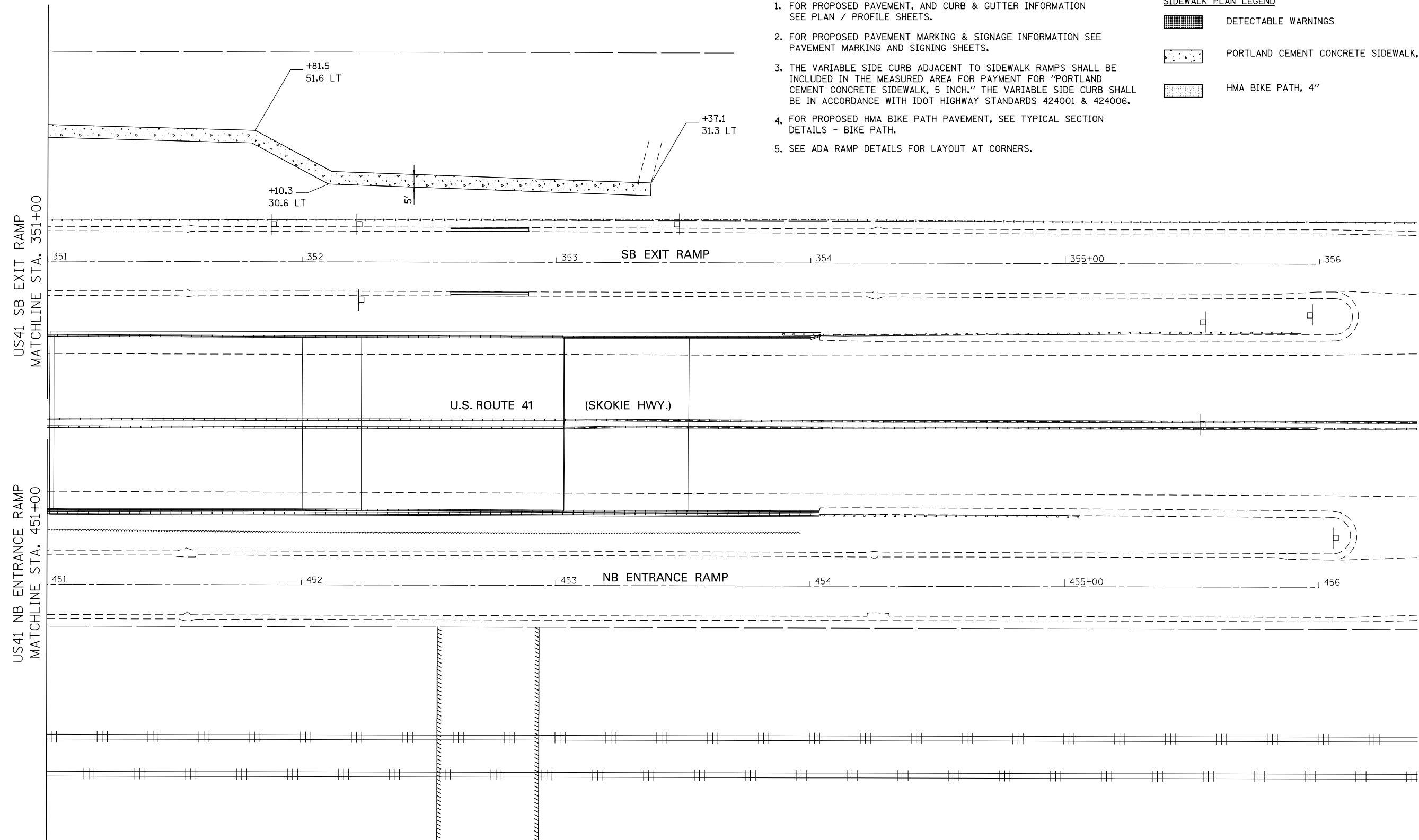
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	77
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

NOTES

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5. SEE ADA RAMP DETAILS FOR LAYOUT AT CORNERS.

SIDEWALK PLAN LEGEND

-  DETECTABLE WARNINGS
-  PORTLAND CEMENT CONCRETE SIDEWALK, 5"
-  HMA BIKE PATH, 4"



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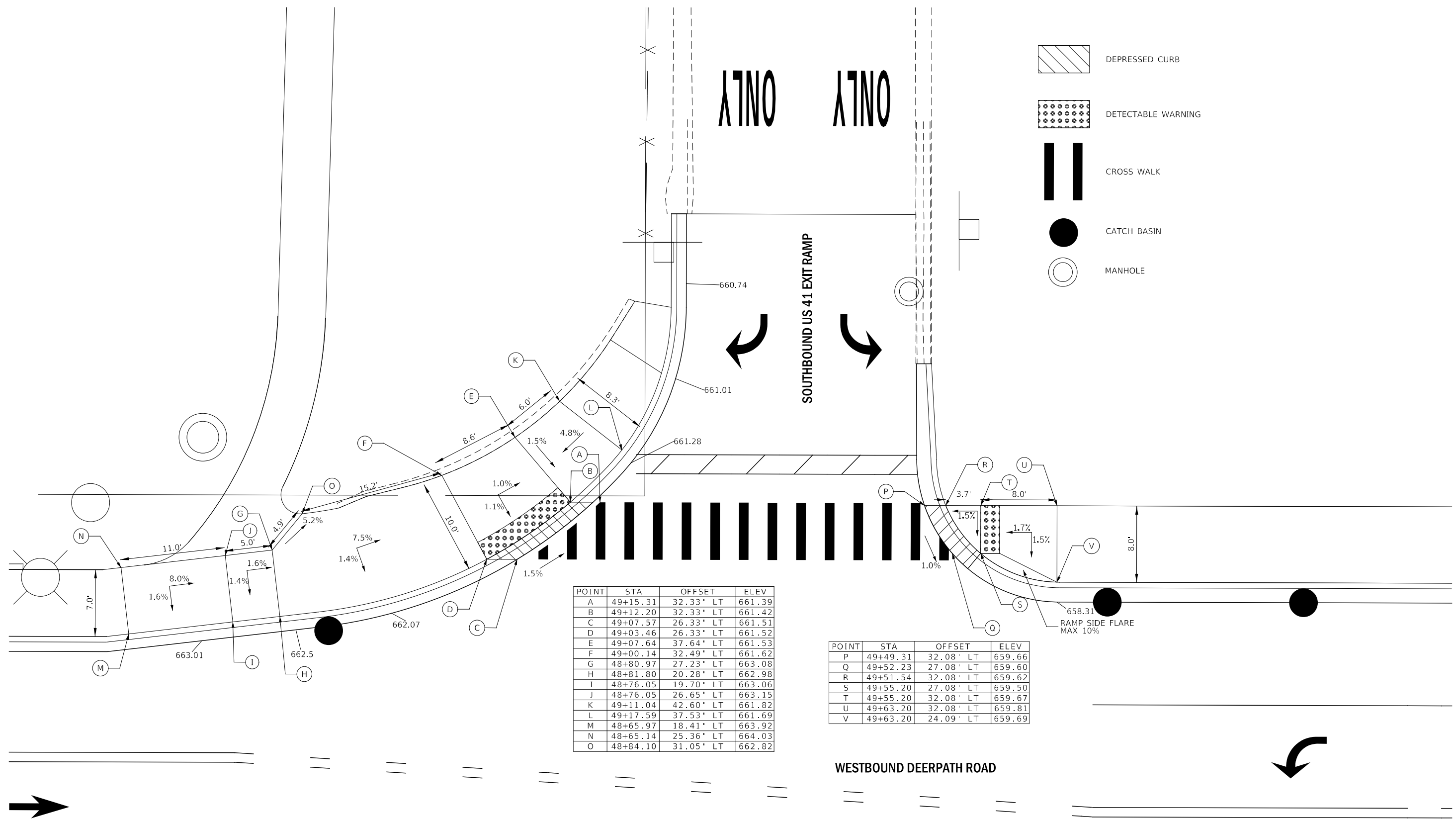
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIDEWALK PLANS

SCALE: AS SHOWN SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&215)-I	LAKE	290	78
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

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POINT	STA	OFFSET	ELEV
A	49+15.31	32.33' LT	661.39
B	49+12.20	32.33' LT	661.42
C	49+07.57	26.33' LT	661.51
D	49+03.46	26.33' LT	661.52
E	49+07.64	37.64' LT	661.53
F	49+00.14	32.49' LT	661.62
G	48+80.97	27.23' LT	663.08
H	48+81.80	20.28' LT	662.98
I	48+76.05	19.70' LT	663.06
J	48+76.05	26.65' LT	663.15
K	49+11.04	42.60' LT	661.82
L	49+17.59	37.53' LT	661.69
M	48+65.97	18.41' LT	663.92
N	48+65.14	25.36' LT	664.03
O	48+84.10	31.05' LT	662.82

POINT	STA	OFFSET	ELEV
P	49+49.31	32.08' LT	659.66
Q	49+52.23	27.08' LT	659.60
R	49+51.54	32.08' LT	659.62
S	49+55.20	27.08' LT	659.50
T	49+55.20	32.08' LT	659.67
U	49+63.20	32.08' LT	659.81
V	49+63.20	24.09' LT	659.69






KNIGHT
Engineers & Architects

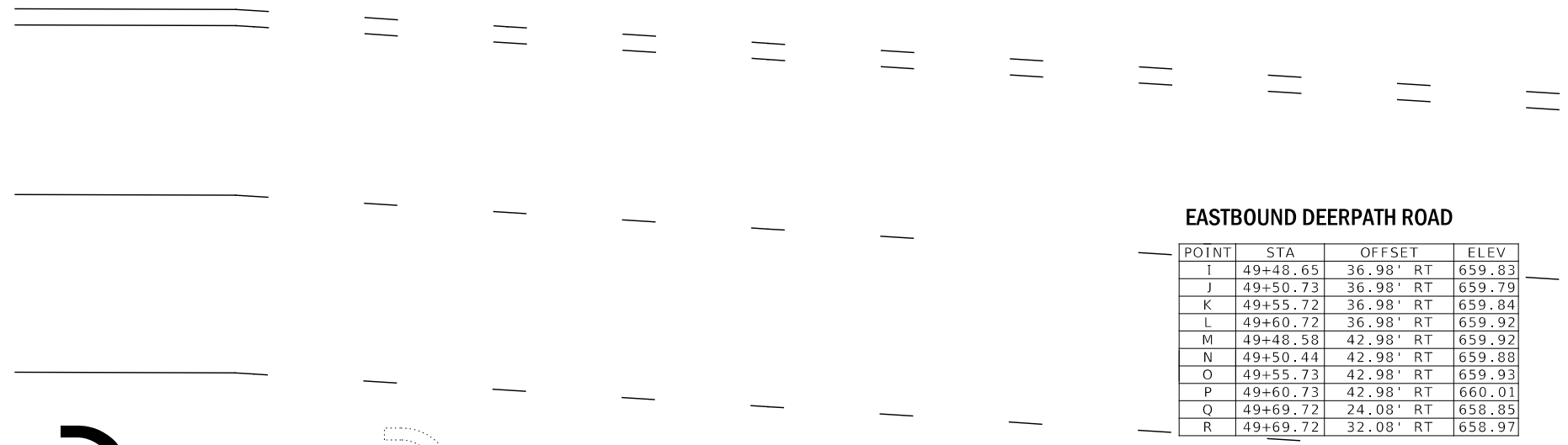
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PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -
	DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
DEERPETH ROAD & US 41 SB EXIT RAMP
SCALE: 1" = 5' SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.P. RTE. 346	SECTION (21&21S)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 80
CONTRACT NO. 62B65			ILLINOIS FED. AID PROJECT	

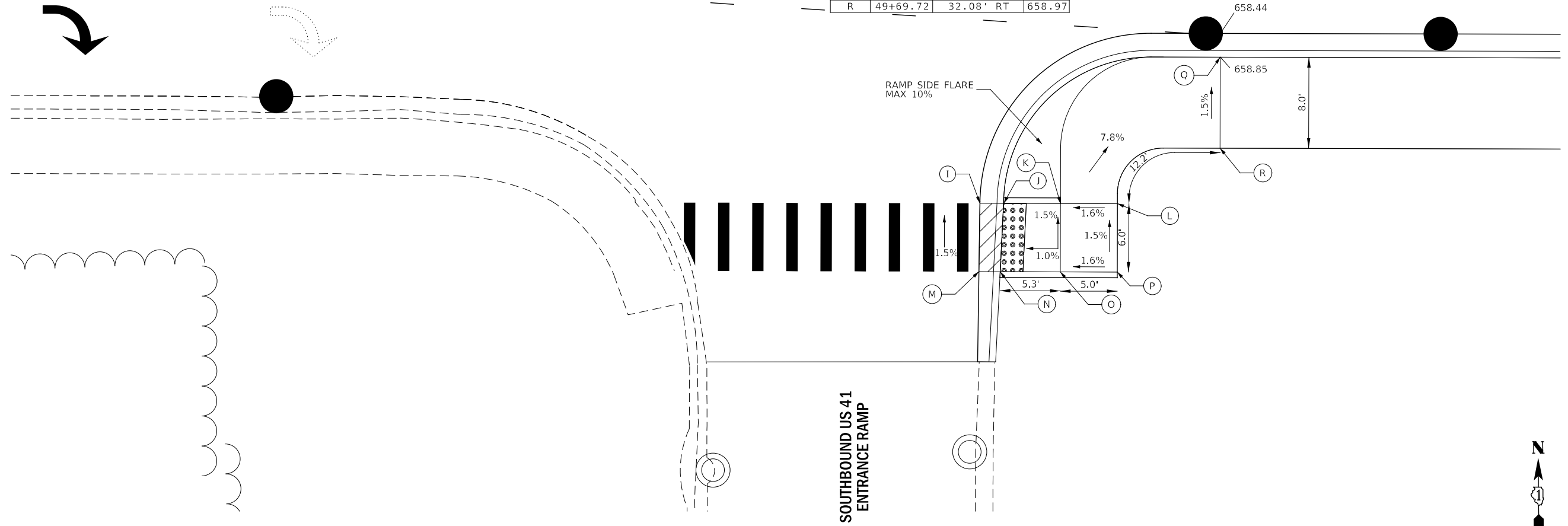
-  DEPRESSED CURB
-  DETECTABLE WARNING
-  CROSS WALK
-  CATCH BASIN
-  MANHOLE



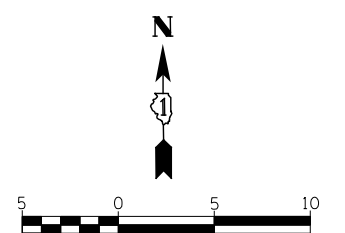
EASTBOUND DEERPETH ROAD

POINT	STA	OFFSET	ELEV
I	49+48.65	36.98' RT	659.83
J	49+50.73	36.98' RT	659.79
K	49+55.72	36.98' RT	659.84
L	49+60.72	36.98' RT	659.92
M	49+48.58	42.98' RT	659.92
N	49+50.44	42.98' RT	659.88
O	49+55.73	42.98' RT	659.93
P	49+60.73	42.98' RT	660.01
Q	49+69.72	24.08' RT	658.85
R	49+69.72	32.08' RT	658.97

ONLY



**SOUTHBOUND US 41
ENTRANCE RAMP**



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

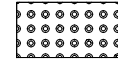
**ADA RAMP DETAILS
DEERPETH ROAD & US 41 SB ENTRANCE RAMP**

SCALE: 1" = 5' SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	81
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				



DEPRESSED CURB



DETECTABLE WARNING



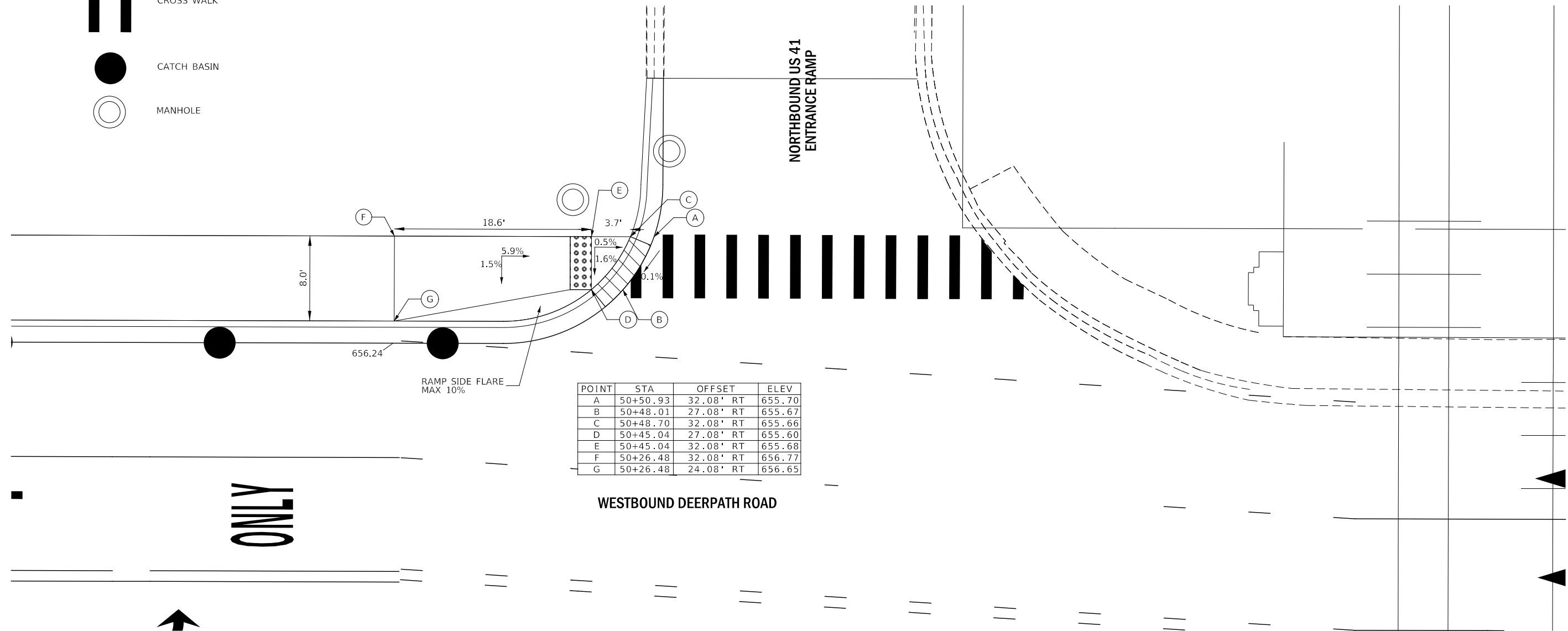
CROSS WALK



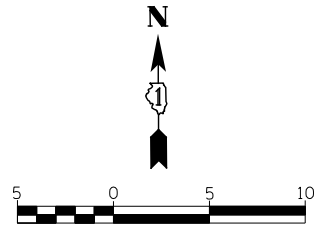
CATCH BASIN



MANHOLE



POINT	STA	OFFSET	ELEV
A	50+50.93	32.08' RT	655.70
B	50+48.01	27.08' RT	655.67
C	50+48.70	32.08' RT	655.66
D	50+45.04	27.08' RT	655.60
E	50+45.04	32.08' RT	655.68
F	50+26.48	32.08' RT	656.77
G	50+26.48	24.08' RT	656.65



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PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
DEERPETH ROAD & US 41 NB ENTRANCE RAMP**

SCALE: 1" = 5' SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE. 346	SECTION (21&215)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 82
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

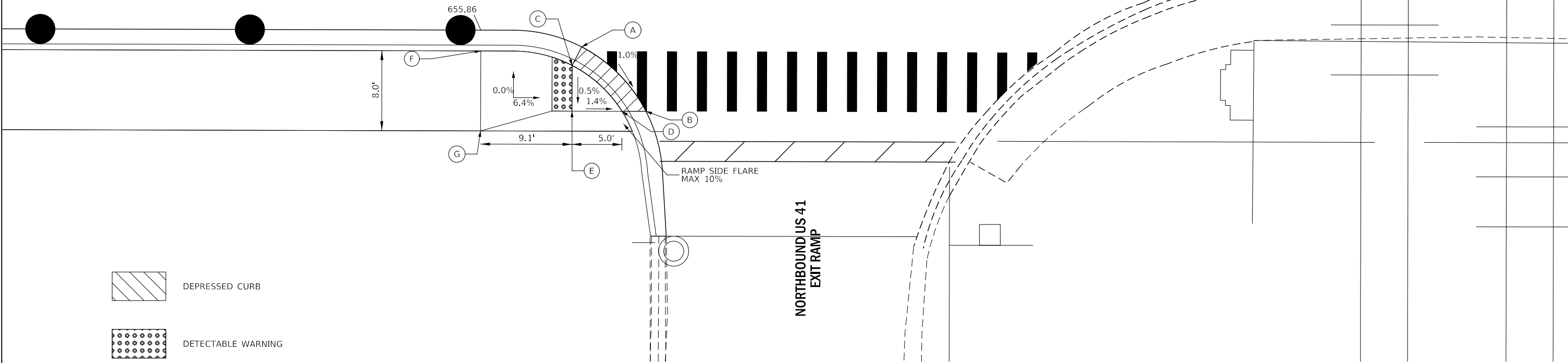


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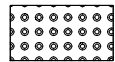


EASTBOUND DEERPETH ROAD

POINT	STA	OFFSET	ELEV
A	50+43.20	23.66' RT	655.73
B	50+49.64	30.08' RT	655.64
C	50+42.24	25.51' RT	655.69
D	50+47.24	30.08' RT	655.60
E	50+42.42	30.08' RT	655.67
F	50+33.11	24.08' RT	656.27
G	50+33.11	32.08' RT	656.27



DEPRESSED CURB



DETECTABLE WARNING



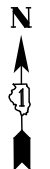
CROSS WALK



CATCH BASIN



MANHOLE



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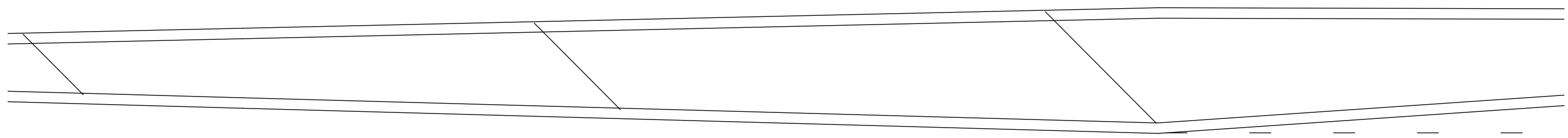
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
DEERPETH ROAD & US 41 NB EXIT RAMP

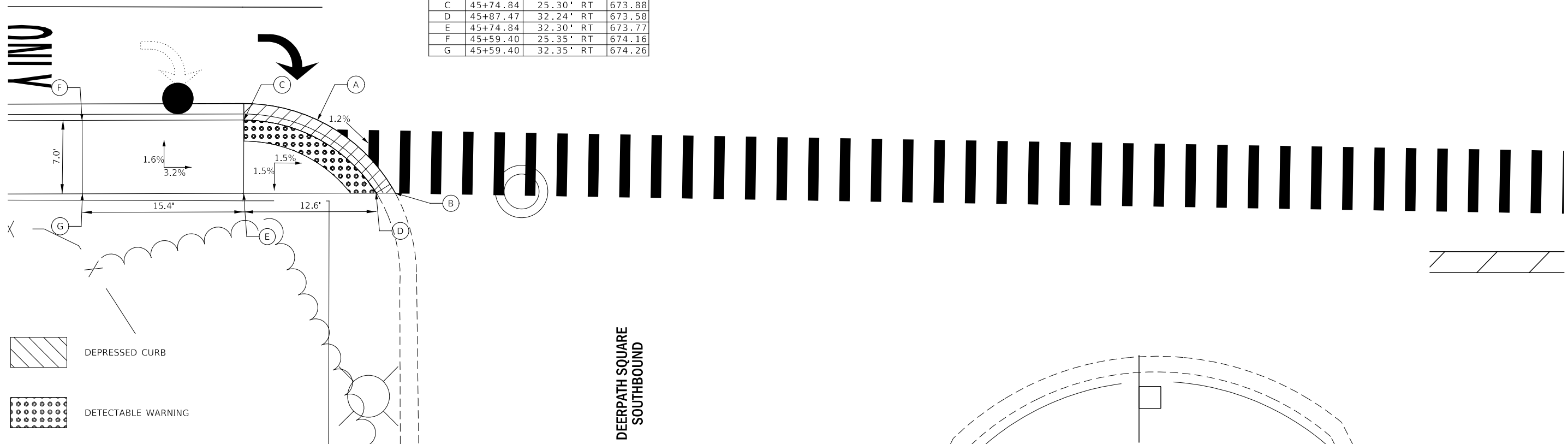
SCALE: 1" = 5' SHEET 4 OF 6 SHEETS STA. TO STA.



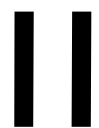


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	83
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				



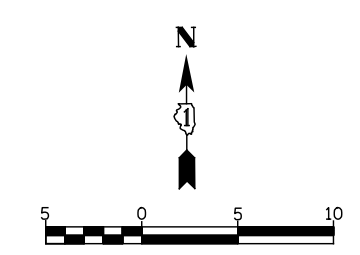
EASTBOUND DEERPETH ROAD

POINT	STA	OFFSET	ELEV
A	45+81.87	25.28' RT	673.76
B	45+89.31	32.33' RT	673.64
C	45+74.84	25.30' RT	673.88
D	45+87.47	32.24' RT	673.58
E	45+74.84	32.30' RT	673.77
F	45+59.40	25.35' RT	674.16
G	45+59.40	32.35' RT	674.26



-  DEPRESSED CURB
-  DETECTABLE WARNING
-  CROSS WALK
-  CATCH BASIN
-  MANHOLE

DEERPETH SQUARE
SOUTHBOUND



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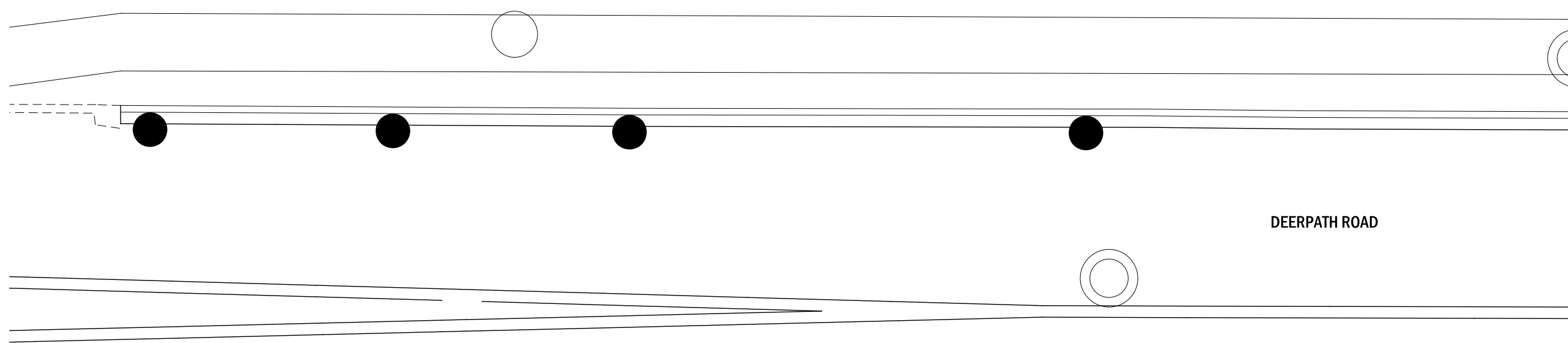
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	PLOT SCALE = 1:10	DRAWN CEL	REVISED -
	PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -
		DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
DEERPETH ROAD & DEERPETH SQUARE**

SCALE: 1" = 5' SHEET 5 OF 6 SHEETS STA. TO STA.

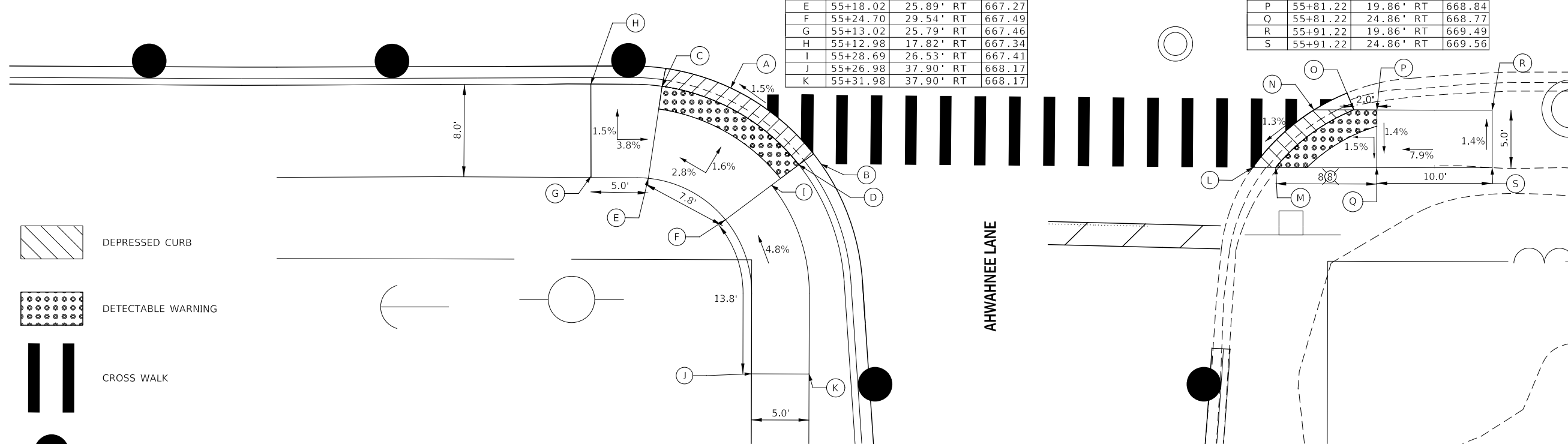
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&21S)-I	LAKE	290	84
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				



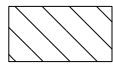

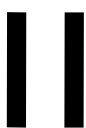


DEERPETH ROAD

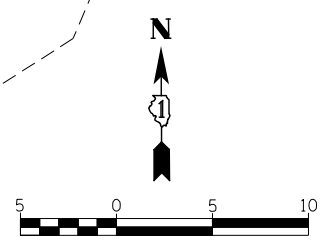
POINT	STA	OFFSET	ELEV
A	55+25.12	18.10' RT	667.28
B	55+32.98	24.68' RT	667.43
C	55+19.17	17.97' RT	667.15
D	55+31.06	24.74' RT	667.37
E	55+18.02	25.89' RT	667.27
F	55+24.70	29.54' RT	667.49
G	55+13.02	25.79' RT	667.46
H	55+12.98	17.82' RT	667.34
I	55+28.69	26.53' RT	667.41
J	55+26.98	37.90' RT	668.17
K	55+31.98	37.90' RT	668.17

POINT	STA	OFFSET	ELEV
L	55+70.47	24.86' RT	668.70
M	55+72.45	24.86' RT	668.66
N	55+75.75	19.86' RT	668.80
O	55+79.22	19.86' RT	668.81
P	55+81.22	19.86' RT	668.84
Q	55+81.22	24.86' RT	668.77
R	55+91.22	19.86' RT	669.49
S	55+91.22	24.86' RT	669.56



AHWAHNEE LANE

-  DEPRESSED CURB
-  DETECTABLE WARNING
-  CROSS WALK
-  CATCH BASIN
-  MANHOLE




FILE NAME = L:\7355\CAD\IS\Sheets\ADA Ramp Details\7355-ah-ADA06.dgn

 KNIGHT Engineers & Architects	USER NAME = c1iss	DESIGNED CEL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS DEERPETH ROAD & DEERPETH SQUARE		F.A.P. RTE. 346	SECTION (21&21S)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 85	
	PLOT SCALE = 1:10	CHECKED JWM	REVISED -		SCALE: 1" = 5'	SHEET 6 OF 6 SHEETS	STA. TO STA.	CONTRACT NO. 62B65				
	PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -		ILLINOIS FED. AID PROJECT							

DRAINAGE NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT.
2. DURING CONSTRUCTION OPERATIONS, WHENEVER LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC., SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIAL CREATED AS A RESULT THEREOF.
3. EXISTING DRAINAGE STRUCTURE LOCATION AND INVERTS SHALL BE VERIFIED IN THE FIELD PRIOR TO INSTALLATION OF THE PROPOSED DRAINAGE ITEMS.
4. INVERT ELEVATIONS FOR EXISTING PIPES HAVE BEEN SHOWN ON THE PLANS WHEN SURVEY INFORMATION WAS AVAILABLE. THE CONTRACTOR SHALL VERIFY THE INVERT ELEVATIONS FOR EXISTING PIPES IN THE FIELD AT THE TIME OF CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
5. THE CONTRACTOR SHALL DETERMINE WHEN FLAT SLAB TOPS ARE REQUIRED ON INLETS, MANHOLES, AND CATCH BASINS. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THE USE OF FLAT SLAB TOPS.
6. FRAMES AND GRATES FOR NEW DRAINAGE STRUCTURES LOCATED WITHIN THE RESURFACED PAVEMENT ON DEERPATH ROAD SHALL BE CONSTRUCTED TO THE MILLED PAVEMENT ELEVATION AND COVERED ACCORDING TO DETAIL BD-08 "FRAMES AND LIDS ADJUSTMENT WITH MILLING." THE ADJUSTMENT OF FRAMES ON ALL NEW STRUCTURES WILL BE PAID FOR SEPARATELY AS FRAMES AND LIDS TO BE ADJUSTED (SPECIAL). INLETS AND CATCH BASINS LOCATED IN THE GUTTER SHALL BE CONSTRUCTED TO THE FINAL GRADE ELEVATION.
7. THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE, AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR.
8. THE STATION, OFFSET, AND ELEVATION NOTED FOR DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. ALL OTHER DRAINAGE STRUCTURES STATIONS AND OFFSETS ARE TO THE CENTER OF THE STRUCTURE.
9. ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED AND CONNECTED TO PROPOSED DRAINAGE STRUCTURES, SEWERS, OR DITCHES, AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE STORM SEWER OR STRUCTURE BEING CONSTRUCTED OR IN THE EARTH EXCAVATION FOR THE DETENTION PONDS.
10. ALL ABANDONED SEWER INVERTS SHALL BE PLUGGED WITH BRICK AND CLASS SI CONCRETE TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE STORM SEWER BEING REMOVED.
11. CONNECTION OF EXISTING STORM SEWER INTO PROPOSED STORM SEWER STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STORM SEWER STRUCTURE. ANY ADDITIONAL STORM SEWER PIPE REQUIRED TO MAKE THE CONNECTION SHALL BE OF THE SAME SIZE AND MATERIAL TYPE AS THE EXISTING STORM SEWER AND SHALL BE INCLUDED IN THE COST OF THE DRAINAGE STRUCTURE.
12. THE COST OF MAKING STORM SEWER CONNECTIONS TO EXISTING OR PROPOSED SEWER OR DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STORM SEWER BEING CONNECTED.
13. THE COST OF MAKING UNDERDRAIN CONNECTIONS TO DRAINAGE STRUCTURES, SHALL BE INCLUDED IN THE COST OF THE PROPOSED UNDERDRAIN.
14. THE PAY ITEM EXPLORATION TRENCH 52" DEPTH HAS BEEN PROVIDED WITH A QUANTITY OF 500 FEET FOR PURPOSES OF LOCATING EXISTING UTILITIES WHICH MAY BE IN CONFLICT WITH THE PROPOSED STORM SEWER AND DRAINAGE STRUCTURES. CONTRACTOR SHALL USE THIS ITEM ONLY FOR LOCATING EXISTING UTILITIES.
15. IN THE AREA OF PROPOSED PIPE JACKING, EAST OF US 41, EQUIPMENT WITHIN THE COMED EASEMENT SHALL MAINTAIN OSHA CLEARANCES TO THE ELECTRIC LINES. CONTRACTOR SHALL MONITOR AND PROTECT ALL COMED EQUIPMENT DURING CONSTRUCTION.
16. CONTRACTOR IS TO BE MADE AWARE OF THE CITY OF LAKE FOREST'S FIBER OPTIC LINE WHICH RUNS ALONG THE NORTH PARKWAY OF DEERPATH ROAD. CONTRACTOR SHALL IDENTIFY THE LOCATION OF THIS UTILITY AND PROTECT IT FROM DAMAGE DURING CONSTRUCTION.

FILE NAME = L:\7355\CAD\Drawings\Drainage\00_General_Notes\0162865-Dr...Gen_Notes.dwg

	USER NAME = c1iss	DESIGNED DGB	REVISED -
		DRAWN DGB	REVISED -
	PLOT SCALE = 1:20	CHECKED JWM	REVISED -
	PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES
GENERAL NOTES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&215)-I	LAKE	290	86
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

FILE NAME = L:\7355\CAD\Drawings\Drainage\01.Ex Drainage Schedule\0162865-Ex-Dr_Sched_01.dgn

STRUCTURE NUMBER	LOCATION		RIM ELEVATION	INVERT								DESCRIPTION
	STATION	OFFSET		N	NE	E	SE	S	SW	W	NW	
201	45+96.1	11.9 RT	673.85	663.50		663.00		663.40	667.40	663.00	667.40	REMOV MANHOLES
202	45+68.5	24.6 RT	673.91					671.81				REMOV INLETS
203	45+68.4	27.8 RT	674.46	672.46	668.51							REMOV MANHOLES
208	42+61.3	12.7 RT	680.17	668.92		667.92		668.42		667.97		MH INFO ONLY
212	47+67.7	62.9 LT	665.05									TRENCH DRAIN
213	47+80.1	62.9 LT	664.97									TRENCH DRAIN
214	48+03.2	64.2 LT	665.15									TRENCH DRAIN
215	45+68.3	17.2 LT	674.03		668.23		667.98			669.08		REMOV CATCH BAS
218	47+55.8	16.1 LT	668.44	664.94					662.84			REMOV CATCH BAS
219	48+86.0	17.0 LT	662.66					657.46		658.16	658.41	REMOV CATCH BAS
221	48+86.8	29.0 RT	662.39	657.34		656.99				658.14		REMOV CATCH BAS
222	47+55.6	29.1 RT	668.45								662.90	REMOV CATCH BAS
224	47+30.7	10.8 RT	669.85	662.95	663.40		663.65	662.40		662.40		REMOV MANHOLES
225	47+33.9	51.4 RT	669.26							666.16		CB INFO ONLY
226	46+89.6	74.5 RT	671.04		666.04							CB INFO ONLY
227	46+35.4	75.5 RT	672.88							666.93		CB INFO ONLY
228	45+90.5	74.7 RT	673.22			667.82						CB INFO ONLY
229	50+06.2	319.2 RT	669.93	653.03		652.38		660.68		652.38		MH INFO ONLY
265	49+65.3	425.2 LT	674.30			665.20				665.80		CB INFO ONLY
267	49+23.3	426.2 LT	671.33			667.08				667.33		INLET INFO ONLY
268	49+49.7	425.2 LT	671.26			665.61				---		CB INFO ONLY
269	50+34.6	425.2 LT	674.11				663.81			665.11		CB INFO ONLY
270	50+43.4	151.6 LT	659.20	653.00	653.20			653.00				MH INFO ONLY
271	50+50.5	155.0 LT	659.05			653.35			653.35			CB INFO ONLY
272	50+76.7	155.1 LT	658.65			656.65				653.95		INLET INFO ONLY
273	50+76.2	425.6 LT	670.73							666.43		INLET INFO ONLY
274	50+50.6	425.1 LT	670.92			664.92				---		CB INFO ONLY
275	50+24.5	16.9 RT	656.21				650.26					REMOV CATCH BAS
276	50+45.5	32.7 RT	655.99	649.54	649.74		650.84	649.49		650.59	650.54	MH INFO ONLY
277	50+50.7	44.0 RT	655.56				649.71				650.86	CB INFO ONLY
278	50+76.5	60.4 RT	655.12								651.62	INLET INFO ONLY
279	51+58.7	16.9 RT	654.00			650.70	650.65			650.65	650.65	REMOV CATCH BAS
280	51+66.1	17.1 RT	654.10							650.80		REMOV INLETS
281	51+66.2	17.0 LT	654.07							651.22		REMOV INLETS
282	51+58.7	17.1 LT	654.00			650.35		651.35	649.05	650.40		REMOV CATCH BAS
283	51+49.9	7.0 LT	654.44	---	650.14	650.19	650.04			650.09		REMOV MANHOLES
284	50+76.5	56.2 LT	655.62							651.37		INLET INFO ONLY
285	50+50.7	40.3 LT	655.64		650.64					650.64		CB INFO ONLY
286	50+43.3	35.6 LT	656.12	649.97	650.67			649.97		650.47	651.12	MAN ADJUST
287	50+25.0	17.0 LT	656.22		649.87							REMOV CATCH BAS
288	50+43.8	133.3 RT	658.23	649.18				644.23		649.08		MH INFO ONLY
289	49+49.3	58.8 RT	660.15			654.99				655.19		CB INFO ONLY
290	49+23.4	60.4 RT	660.59			655.44				656.29		INLET INFO ONLY
291	49+22.9	64.4 LT	660.47				655.82			656.92		INLET INFO ONLY
291A	48+86.8	65.2 LT	661.60									REMOV INLETS
292	49+49.4	154.3 LT	659.95				653.65				655.20	CB INFO ONLY
293	49+57.6	151.1 LT	662.32					655.57			656.27	INLET INFO ONLY
294	49+49.5	155.1 LT	661.91				654.91			655.76		CB INFO ONLY
295	49+22.9	154.9 LT	661.82			657.17				658.52		MH INFO ONLY
295A	48+88.4	154.3 LT	662.40									REMOV INLETS
296	50+50.6	300.5 RT	665.66	659.31		660.86						CB INFO ONLY
297	50+76.7	300.1 RT	665.50							661.10		INLET INFO ONLY

STRUCTURE NUMBER	LOCATION		RIM ELEVATION	INVERT								DESCRIPTION
	STATION	OFFSET		N	NE	E	SE	S	SW	W	NW	
298	50+77.8	315.3 RT	666.39				660.79	663.94			660.79	MH INFO ONLY
299	49+56.3	286.1 RT	667.50	660.90						660.90		MH INFO ONLY
300	54+74.3	16.9 LT	665.28					660.68				REMOV INLETS
301	54+74.7	17.4 RT	665.09	660.44	659.29							REMOV CATCH BAS
302	54+83.7	12.8 RT	665.67				660.07			660.12	660.07	REMOV MANHOLES
303	55+36.3	43.9 RT	667.62					663.77			663.02	REMOV CATCH BAS
304	55+63.7	14.2 RT	668.70		661.70	658.95		659.60	658.95	659.00		REMOV MANHOLES
306	55+94.0	16.7 LT	669.13						662.93			REMOV CATCH BAS
308	55+97.9	33.5 LT	670.19	---						666.19		MH INFO ONLY
313	55+65.5	66.2 RT	667.93								664.58	CB INFO ONLY
314	55+32.2	93.5 RT	668.70	---								REMOV CATCH BAS
315	58+50.4	24.8 RT	672.57	662.42						665.12		CB INFO ONLY
316	58+48.6	13.9 RT	671.77	659.27	657.77		664.97		657.82			MH INFO ONLY
319	60+55.8	23.3 RT	670.01	665.81			665.91				666.91	MH INFO ONLY
320	60+55.4	14.6 RT	669.49					667.44				INLET INFO ONLY
321	60+54.6	15.2 LT	669.44						665.79			CB INFO ONLY
324	62+52.6	22.8 RT	667.92	663.82							665.17	CB INFO ONLY
325	62+52.0	14.8 RT	667.62					665.62				INLET INFO ONLY
326	62+88.1	13.3 RT	667.32			655.97			655.97		657.32	MH INFO ONLY
328	62+80.7	22.3 LT	666.92					663.47				CB INFO ONLY
329	62+83.6	37.4 LT	667.89			657.54		657.49				MH INFO ONLY
330	63+25.2	44.2 LT	667.20	657.70					657.60			MH INFO ONLY
331	64+74.4	17.7 RT	664.48					660.73				CB INFO ONLY
333	65+11.0	11.7 RT	665.18			654.83		654.83	658.38	654.83	654.98	MH INFO ONLY
335	65+03.8	15.2 LT	664.66					660.66				CB INFO ONLY
337	47+31.2	314.4 RT	677.28	661.58		661.58	673.43	672.03	664.98		673.48	MH INFO ONLY
338	54+21.3	24.2 LT	663.34	661.94		660.24				660.24		REMOV MANHOLES
339	53+17.0	17.1 LT	657.69			654.84				652.49		CB INFO ONLY
340	52+49.2	14.3 LT	655.59			650.89		651.89		650.74	651.89	REMOV MANHOLES
347	69+95.5	15.0 LT	660.86					657.26		657.26		CB INFO ONLY
348	69+92.3	14.6 RT	660.95					658.80				INLET INFO ONLY
349	69+95.5	19.5 RT	661.28			656.58					658.63	MH INFO ONLY
350	69+95.7	12.0 RT	661.12			653.17			653.17		656.02	MH INFO ONLY
351	68+93.4	12.3 RT	661.31			653.51		655.11	653.51		655.21	MH INFO ONLY
353	67+53.8	15.0 LT	661.83					658.23				CB INFO ONLY
354	67+54.9	19.1 RT	662.28	656.28							659.48	MH INFO ONLY
355	67+54.9	14.7 RT	661.84					659.59				CB INFO ONLY
358	66+88.7	446.4 LT	662.31			659.26			659.31	659.21		MH INFO ONLY
359	49+58.1	32.2 RT	659.67	652.07		651.27		651.87		654.67		MAN ADJUST
360	49+56.7	35.0 LT	659.69	652.69				652.49			654.19	MAN ADJUST
361	50+43.1	421.4 LT	672.87			665.27		665.07			665.37	MH INFO ONLY
362	53+71.5	180.7 RT	671.72	669.72	659.72			659.72				MH INFO ONLY
401	52+37.4	316.2 RT	672.97			660.37				660.37		MH INFO ONLY
402	48+73.6	39.0 LT	664.70									VV ADJUST

EXISTING DRAINAGE STRUCTURE SCHEDULE SUMMARY			
PAY ITEM	PAY ITEM ABBREVIATION FROM SCHEDULE	TOTAL QUANTITY	UNITS
MANHOLES TO BE ADJUSTED	MAN ADJUST	3	EACH
REMOVING MANHOLES	REMOV MANHOLES	8	EACH
REMOVING CATCH BASINS	REMOV CATCH BAS	13	EACH
REMOVING INLETS	REMOV INLETS	6	EACH
VALVE VAULTS TO BE ADJUSTED	VV ADJUST	1	EACH



USER NAME = c1iss	DESIGNED DGB	REVISED -
	DRAWN DGB	REVISED -
PLOT SCALE = 1:2	CHECKED JWM	REVISED -
PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES EXISTING STRUCTURE SCHEDULE	
SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 346	SECTION (21&215)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 87
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

PIPE NUMBER	PIPE DIAMETER (INCH)	PIPE LENGTH (FOOT)	STORM SEWER REMOVAL (FOOT)	TRENCH BACKFILL (CU YD)	TV INSPECT OF SEWER (FOOT)	STORM SEWER TO BE CLEANED (FOOT)	STORM SEWER TO BE FILLED (CU YD)	COMMENTS
201	24	130					15	
201A	12	91						INFO ONLY
201B	12	51						INFO ONLY
202	8	2	2					
203	8	27	27	22				
208	18	330	63	101	152	152	5	
208A	12	19						INFO ONLY
214	8	94	52		42	42		
215	10	36	36	29				
215A	6	25						INFO ONLY
215B	10	32	33	26				
218	8	32	32	25				
219	8	42	42	19				
219A	6	29			29	52		
221	12	67			67	67		
221A	6	29						INFO ONLY
222	8	27	27	21				
224	30	290	8	10	282	282		
224A	12	54			54	54		
225	12	2			2	2		
226	8	45			45	45		
227	12	37			37	37		
228	8	3			3	3		
229	30	67			67	67		
265	12	65			66	66		
267	6	23			23	23		
267A	12	13			13	13		
268	12	11			11	11		
269	12	5			5	5		
270	12	111	111					
271	8	3			3	3		
272	8	22			22	22		
272A	8	19			19	19		
273	8	20			20	20		
274	12	4			4	4		
275	8	22	22	18				
276	24	96	96					
277	8	8	8	6				
278	8	26			26	26		
279	10	21	21	6				
279A	8	13	13					
279B	6	14	14					
280	8	3	3	1				
281	6	3	3	1				
282	10	9	9	18				
282A	8	12	12					
283	18	109	109	50				
284	8	10			10	10		

* UPSTREAM AND DOWNSTREAM DRAINAGE STRUCTRES SHALL BE CLEANED DURING STORM SEWER CLEANING OPERATIONS.

PIPE NUMBER	PIPE DIAMETER (INCH)	PIPE LENGTH (FOOT)	STORM SEWER REMOVAL (FOOT)	TRENCH BACKFILL (CU YD)	TV INSPECT OF SEWER (FOOT)	STORM SEWER TO BE CLEANED (FOOT)	STORM SEWER TO BE FILLED (CU YD)	COMMENTS
285	8	5			5	5		
286	12	64	11	10	53	53		
287	8	21	21	18				
288	24	40					5	
288A	24	184						INFO ONLY
289	6	7			7	7		
290	6	21			21	21		
290A	6	11			11	11		
291	8	24	11		13	13		
291A	8	31			31	31		
292	12	17			17	17		
293	12	110			110	110		
294	8	4			4	4		
295	8	24			24	24		
295A	8	31	11		20	20		
296	12	163			163	163		
297	8	23			23	23		
298	36	154			154	154		
299	12	249			249	249		
300	8	30	30	12				
301	10	5	5	2				
302	30	75	75	55				
302A	30	27	27	20				
303	6	21	21	6				
304	36	281			281	281		
306	8	39					1	
308	6	172	172	44				
308A	6	23						INFO ONLY
313	10	5	5	1				
314	6	26	26	9				
315	10	6						INFO ONLY
315A	10	33						INFO ONLY
316	36	436			436	436		
319	8	13						INFO ONLY
319A	12	10						INFO ONLY
320	12	6						INFO ONLY
321	8	22						INFO ONLY
324	8	8						INFO ONLY
325	8	4						INFO ONLY
326	36	217			217	217		
328	12	12						INFO ONLY
329	12	46						INFO ONLY
330	12	38						INFO ONLY
330A	12	369						INFO ONLY
331	10	3						INFO ONLY
333	42	376	246	417			46	
333A	12	16						INFO ONLY
333B	30	291						INFO ONLY

FILE NAME = L:\7355\CAON\Sheets\Drainage\01.Ex Drainage Schedule\0162865-Ex-Dr_Sched_02.dgn

KNIGHT Engineers & Architects	USER NAME = c1iss	DESIGNED DGB	REVISED -
	PLOT SCALE = 1:2	DRAWN DGB	REVISED -
	PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -
		DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES EXISTING PIPE SCHEDULE	
SCALE:	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 346	SECTION (21&215)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 88
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B65	

PIPE NUMBER	PIPE DIAMETER (INCH)	PIPE LENGTH (FOOT)	STORM SEWER REMOVAL (FOOT)	TRENCH BACKFILL (CU YD)	TV INSPECT OF SEWER (FOOT)	STORM SEWER TO BE CLEANED (FOOT)	STORM SEWER TO BE FILLED (CU YD)	COMMENTS
335	6	24						INFO ONLY
337	30	270			270	270		
337A	24	25						INFO ONLY
337B	8	26						INFO ONLY
337C	6	20						INFO ONLY
337D	6	17						INFO ONLY
338	6	100					1	
339	10	68	15		53	53		
340	10	95	95	27				
340A	10	8	8	43				
347	12	22						INFO ONLY
347A	10	17						INFO ONLY
348	8	2						INFO ONLY
349	8	6						INFO ONLY
350	42	372			372	372		
351	42	98			98	98		
351A	10	22						INFO ONLY
351B	10	54					1	
353	6	25	5					
354	6	6		1				
355	8	2						INFO ONLY
358	8	44	44					
359	18	83			83	83		
360	15	63			63	63		
361	12	265	137		128	128		
362	30	248			200	200	11	
362A	15	23			23	23		
401	36	185			185	185		

EXISTING STORM SEWER SCHEDULE SUMMARY			
PAY ITEM	PAY ITEM ABBREVIATION FROM SCHEDULE	TOTAL QUANTITY	UNITS
TRENCH BACKFILL	TRENCH BACKFILL	1018	CU YD
STORM SEWER REMOVAL 6"	STORM SEWER REM 6	241	FOOT
STORM SEWER REMOVAL 8"	STORM SEWER REM 8	357	FOOT
STORM SEWER REMOVAL 10"	STORM SEWER REM 10	227	FOOT
STORM SEWER REMOVAL 12"	STORM SEWER REM 12	259	FOOT
STORM SEWER REMOVAL 18"	STORM SEWER REM 18	172	FOOT
STORM SEWER REMOVAL 24"	STORM SEWER REM 24	96	FOOT
STORM SEWER REMOVAL 30"	STORM SEWER REM 30	110	FOOT
STORM SEWER REMOVAL 42"	STORM SEWER REM 42	246	FOOT
STORM SEWER TO BE FILLED	STORM SEWER FILLED	85	CU YD
TELEVISION INSPECTION OF SEWER	TV INSPECT OF SEWER	4316	FOOT
STORM SEWERS TO BE CLEANED 6"	SS CLEANED 6	156	FOOT
STORM SEWERS TO BE CLEANED 8"	SS CLEANED 8	268	FOOT
STORM SEWERS TO BE CLEANED 12"	SS CLEANED 12	1032	FOOT
STORM SEWERS TO BE CLEANED 15"	SS CLEANED 15	86	FOOT
STORM SEWERS TO BE CLEANED 18"	SS CLEANED 18	235	FOOT
STORM SEWERS TO BE CLEANED 30"	SS CLEANED 30	819	FOOT
STORM SEWERS TO BE CLEANED 36"	SS CLEANED 36	1273	FOOT
STORM SEWERS TO BE CLEANED 42"	SS CLEANED 42	470	FOOT

* UPSTREAM AND DOWNSTREAM DRAINAGE STRUCTRES SHALL BE CLEANED DURING STORM SEWER CLEANING OPERATIONS.

FILE NAME = L:\7355\CAO\ISheets\Drainage\01.Ex Drainage Schedule\162865-Ex-Dr... Sched_03.dgn



USER NAME = c1iss	DESIGNED DGB	REVISED -
	DRAWN DGB	REVISED -
PLOT SCALE = 1:2	CHECKED JWM	REVISED -
PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -

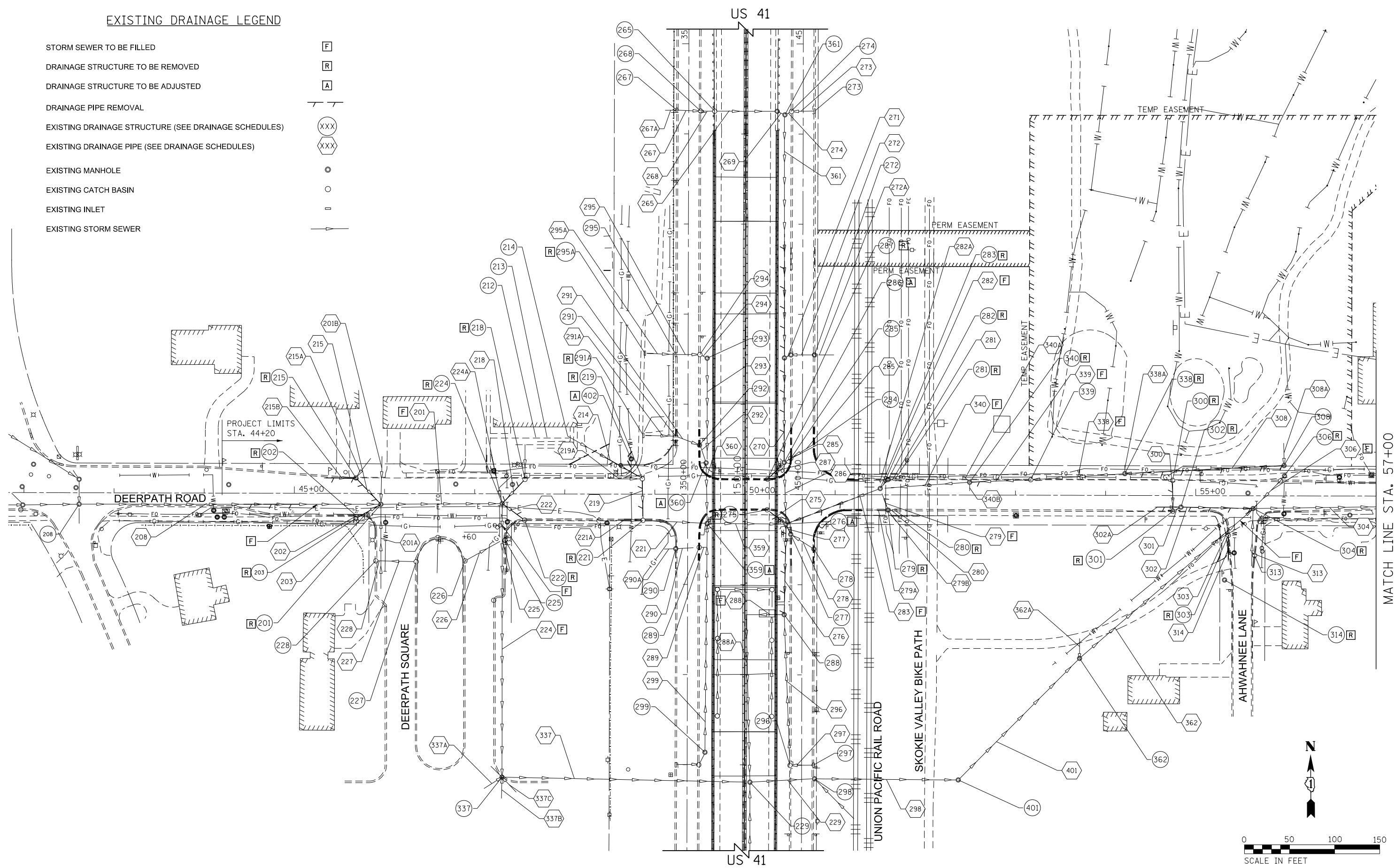
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES EXISTING PIPE SCHEDULE	
SCALE:	SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	(21&215)-I	LAKE	290	89
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

EXISTING DRAINAGE LEGEND

- STORM SEWER TO BE FILLED F
- DRAINAGE STRUCTURE TO BE REMOVED R
- DRAINAGE STRUCTURE TO BE ADJUSTED A
- DRAINAGE PIPE REMOVAL ---
- EXISTING DRAINAGE STRUCTURE (SEE DRAINAGE SCHEDULES) XXX
- EXISTING DRAINAGE PIPE (SEE DRAINAGE SCHEDULES) XXX
- EXISTING MANHOLE ○
- EXISTING CATCH BASIN ○
- EXISTING INLET =
- EXISTING STORM SEWER ---



FILE NAME = L:\7355\CAO\ISheets\Drainage\02.Ex.Drainage.Plans\0162865-shs-drain-Deerpath.dgn



USER NAME = c1iss	DESIGNED DGB	REVISED -
PLOT SCALE = 1:100	DRAWN DGB	REVISED -
PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -
	DATE 06/26/20	REVISED -

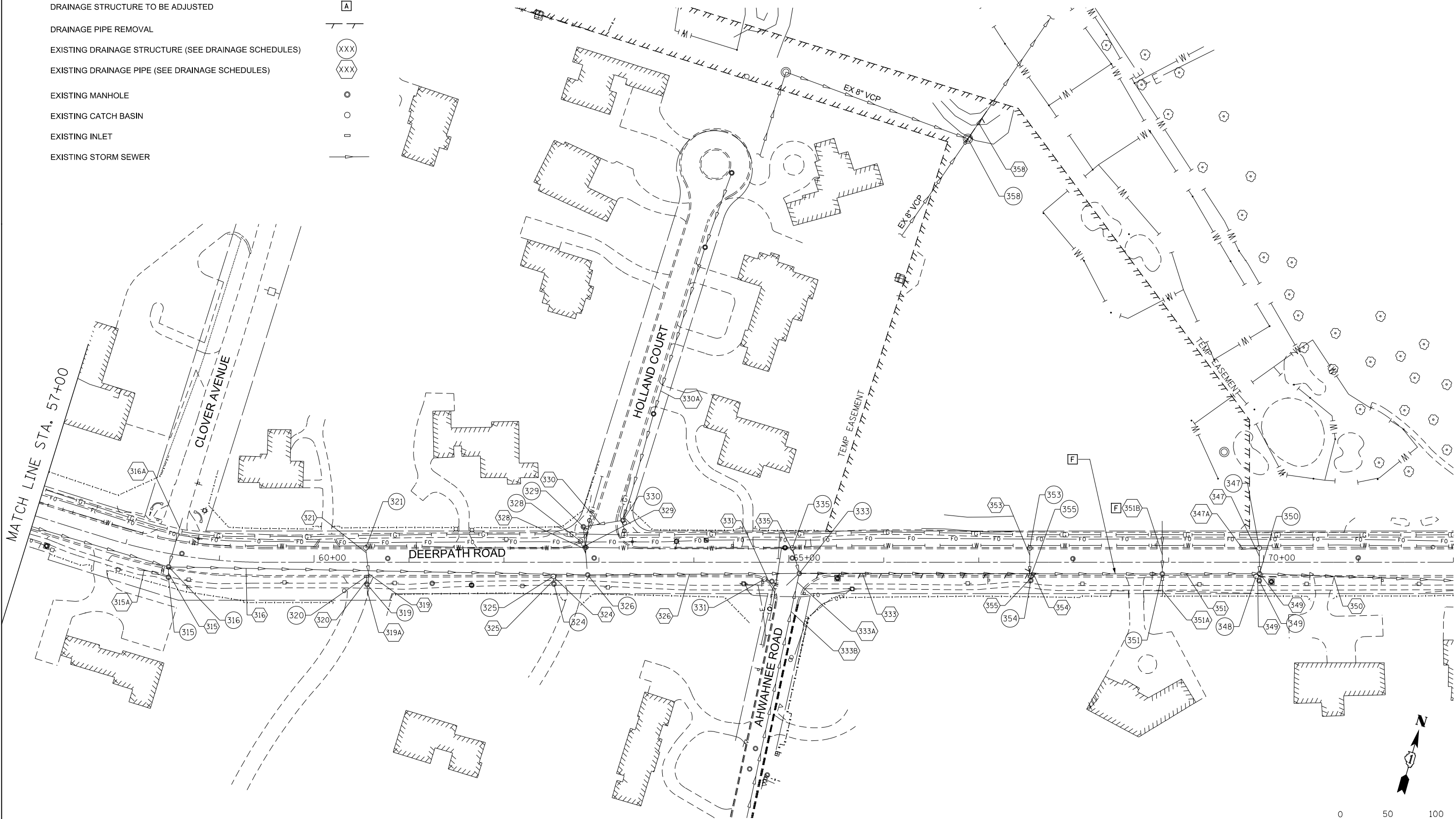
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES EXISTING PLAN - PUMP STATION 38			
SCALE:	SHEET 1	OF 2 SHEETS	STA. TO STA.

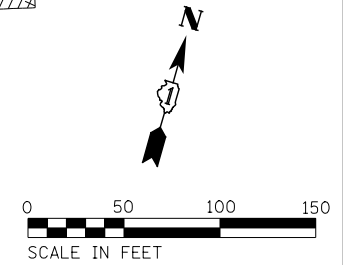
F.A.P. RTE. 346	SECTION (21&215)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 90
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

EXISTING DRAINAGE LEGEND

- STORM SEWER TO BE FILLED [F]
- DRAINAGE STRUCTURE TO BE REMOVED [R]
- DRAINAGE STRUCTURE TO BE ADJUSTED [A]
- DRAINAGE PIPE REMOVAL ---
- EXISTING DRAINAGE STRUCTURE (SEE DRAINAGE SCHEDULES) (XXX)
- EXISTING DRAINAGE PIPE (SEE DRAINAGE SCHEDULES) (XXX)
- EXISTING MANHOLE ●
- EXISTING CATCH BASIN ○
- EXISTING INLET ┆
- EXISTING STORM SEWER —▶



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USER NAME = c1iss	DESIGNED DGB	REVISED -
PLOT SCALE = 1:100	DRAWN DGB	REVISED -
PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -
	DATE 06/26/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE AND UTILITIES EXISTING PLAN - PUMP STATION 38			
SCALE:	SHEET 2 OF 2 SHEETS	STA. TO STA.	

F.A.P. RTE. 346	SECTION (21&215)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 91
CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

FILE NAME = L:\7255\CAO\1\Sheets\Drainage\Schedule\03.Pr_Drainage_Schedule\0162865-Pr...Dr...Schud.01.dgn

STRUCTURE NUMBER	LOCATION			RIM ELEVATION	INVERT								STRUCTURE TYPE	COMMENTS
	ALIGNMENT	STATION	OFFSET		N	NE	E	SE	S	SW	W	NW		
1	DEERPATH RD	44+44.7	12.3 RT	676.77			664.77	669.77			665.23		MAN TA 5 DIA T1F CL	W INV EX 18" DIA.
2	DEERPATH RD	44+53.3	24.3 LT	677.09			672.92						CB TA 4 DIA W/SPL F&G	
3	DEERPATH RD	44+89.5	21.6 LT	676.04			671.28				672.28		CB TA 4 DIA W/SPL F&G	
4	DEERPATH RD	45+29.6	17.6 LT	675.05			669.56		668.56		670.56		CB TA 4 DIA W/SPL F&G	
5	DEERPATH RD	44+57.9	19.3 RT	676.32								669.99	CB TA 4 DIA W/SPL F&G	
6	DEERPATH RD	44+89.5	24.0 RT	675.64			672.22						INLETS TA W/SPL F&G	
7	DEERPATH RD	45+29.6	24.0 RT	674.87		671.46							INLETS TA W/SPL F&G	
7A	DEERPATH RD	45+35.7	13.1 RT	675.08				670.42		671.42	670.42	669.22	CB TA 4 DIA T1F CL	
8	DEERPATH RD	45+29.6	7.9 RT	675.28	668.34		664.59	669.19			664.69		MAN TA 6 DIA T1F CL	
9	DEERPATH RD	45+68.3	15.3 LT	674.22							669.91		CB TA 4 DIA W/SPL F&G	
10	DEERPATH RD	45+68.3	23.8 RT	674.14								670.73	INLETS TA W/SPL F&G	
11	DEERPATH RD	45+96.2	7.9 RT	673.92	663.50		660.53		663.40		664.53		MAN TA 6 DIA T1F CL	N & S INV EX 12" DIA.
12	DEERPATH RD	47+17.7	7.9 RT	670.34		662.36	657.86				660.41		MAN TA 6 DIA T1F CL	
13	DEERPATH RD	47+55.8	16.5 LT	668.44	664.94		663.12						CB TA 4 DIA W/SPL F&G	N INV EX 6" DIA.
13A	DEERPATH RD	47+24.4	16.5 LT	669.55						662.56		663.0+/-	CB TA 4 DIA W/SPL F&G	NW INV EX 12" DIA.
14	DEERPATH RD	47+92.5	16.5 LT	667.14			658.38	658.13			662.13		CB TA 4 DIA W/SPL F&G	
15	DEERPATH RD	48+13.2	16.5 LT	666.24		658.58					658.48	658.03	CB TA 4 DIA W/SPL F&G	N INV EX 8" DIA.
15A	DEERPATH RD	48+39.3	43.9 LT	671.20						658.74		658.9+/-	CB TA 4 DIA T1F OL	w/ELAST CHK VAL 12; NW INV EX 8";
16	DEERPATH RD	47+55.7	27.5 RT	668.53			663.96						CB TA 4 DIA W/SPL F&G	
17	DEERPATH RD	47+92.5	27.5 RT	666.96			662.47				662.97		CB TA 4 DIA W/SPL F&G	
18	DEERPATH RD	48+13.2	27.6 RT	666.00							661.96	659.96	CB TA 4 DIA W/SPL F&G	
19	DEERPATH RD	48+02.0	7.7 RT	666.90		655.78		659.78			657.78		MAN TA 9 DIA T1F CL	BOLTED LID
20	DEERPATH RD	48+86.8	19.3 LT	662.64					657.67		658.16		CB TA 4 DIA W/SPL F&G	W INV EX 6"
21	DEERPATH RD	48+86.8	27.9 RT	662.44	657.24		656.99				658.14		CB TA 4 DIA W/SPL F&G	E INV EX 12" DIA; W INV EX 6"
22	DEERPATH RD	49+68.5	22.2 LT	658.28			654.28						CB TA 4 DIA W/SPL F&G	
23	DEERPATH RD	49+89.1	22.2 LT	657.45			653.20				654.20		CB TA 4 DIA W/SPL F&G	
24	DEERPATH RD	50+10.1	22.2 LT	656.68			652.12				653.12		CB TA 4 DIA W/SPL F&G	
25	DEERPATH RD	50+31.1	22.2 LT	656.04		650.54					652.04		CB TA 4 DIA W/SPL F&G	
26	DEERPATH RD	49+68.5	21.8 RT	658.44			654.18						CB TA 4 DIA W/SPL F&G	
27	DEERPATH RD	49+89.0	21.8 RT	657.55			653.10				654.10		CB TA 4 DIA W/SPL F&G	
28	DEERPATH RD	50+10.0	21.8 RT	656.67			652.02				653.02		CB TA 4 DIA W/SPL F&G	
29	DEERPATH RD	50+31.0	21.8 RT	655.97			650.44				651.94		CB TA 4 DIA W/SPL F&G	
29A	DEERPATH RD	50+45.2	21.8 RT	655.75	649.61				648.57		650.39		MAN TA 4 DIA T1F CL	N INV EX 12" DIA.
30	DEERPATH RD	50+45.5	32.7 RT	655.99	648.54				648.49		650.59			EX MANHOLE; W INV EX 18" DIA.
30A	DEERPATH RD	50+43.8	45.5 RT	656.57	648.48	647.63		648.68	648.63				MAN TA 7 DIA T1F CL	
30B	DEERPATH RD	50+43.8	105.5 RT	657.58	648.88				648.98		652.88		MAN TA 4 DIA T1F CL	
30C	DEERPATH RD	50+50.7	44.0 RT	655.62				649.71				648.70		EX CATCH BASIN; SE INV EX 8" DIA.
30D	DEERPATH RD	50+43.8	133.3 RT	658.23	649.08				649.23		649.08			EX MH; S INV EX 12"; W INV EX 24"
30E	DEERPATH RD	50+44.9	161.6 RT	659.99	650.92				650.92		654.92		MAN TA 4 DIA T1F CL	S & N INV EX 12" DIA.
30F	DEERPATH RD	50+30.1	105.5 RT	657.58			652.93				654.20			EX CATCH BASIN; W INV EX 8" DIA.
30G	DEERPATH RD	50+30.1	161.6 RT	660.67			654.98		656.30					EX CATCH BASIN; S INV EX 8" DIA.
31	DEERPATH RD	51+14.7	6.4 RT	654.63			647.24			647.34			MAN TA 5 DIA T1F CL	
32	DEERPATH RD	51+54.7	16.1 LT	654.14			651.97						INLETS TA W/SPL F&G	
33	DEERPATH RD	51+70.7	16.1 LT	654.22							650.47		INLETS TA W/SPL F&G	
34	DEERPATH RD	51+62.7	16.1 LT	654.09			650.45		649.45		651.95		CB TA 4 DIA W/SPL F&G	
35	DEERPATH RD	51+62.9	6.4 RT	654.51	649.36		646.96		649.36		647.06		MAN TA 6 DIA T1F CL	
36	DEERPATH RD	51+62.7	16.0 RT	654.13	649.39		650.22		650.39		649.39		CB TA 4 DIA W/SPL F&G	
36A	DEERPATH RD	51+62.7	31.2 RT	657.80	650.63								INLETS TB T1F CL	W/ FLOODED PAVEMENT SENSOR
37	DEERPATH RD	51+54.7	16.0 RT	654.19			649.41						CB TA 4 DIA W/SPL F&G	
38	DEERPATH RD	51+70.7	16.0 RT	654.25							650.24		INLETS TA W/SPL F&G	
39	DEERPATH RD	52+49.2	8.4 RT	655.96	648.42		646.62		649.42		646.62		MAN TA 5 DIA T1F CL	
40	DEERPATH RD	52+49.2	15.9 LT	655.73			651.52			648.52			CB TA 4 DIA W/SPL F&G	

PIPE NUMBER	PIPE LENGTH (FOOT)	PIPE TYPE AND SIZE	PIPE SLOPE	TRENCH BACKFILL	COMMENTS
				(CU YD)	
1	80	STORM SEW CL A 2 36	0.10%	159	
2	32	STORM SEW CL A 2 12	2.00%	8	
3	36	STORM SEW CL A 2 12	2.00%	11	
4	22	STORM SEW CL A 2 18	1.00%	19	
5	11	STORM SEW CL A 2 12	2.00%	9	
6	45	STORM SEW WM REQ 12	4.00%	11	
7	9	SS RG CL A 1 12	0.50%	2	
7A	3	SS RG CL A 2 15	1.00%	3	
8	61	STORM SEW CL A 2 36	0.10%	102	
9	35	STORM SEW CL A 2 12	1.00%	12	
10	31	STORM SEW WM REQ 12	1.00%	8	
11	116	STORM SEW CL A 2 42	0.10%	248	
12	78	SS RG CL A 2 54	0.10%	151	
13	33	STORM SEW CL A 2 12	3.00%	12	
13A	20	STORM SEW CL A 2 12	1.00%	19	
14	19	STORM SEW CL A 2 15	0.50%	22	
15	20	STORM SEW CL A 2 12	0.50%	22	
15A	32	STORM SEW CL A 3 12	0.50%	44	
16	33	STORM SEW CL A 2 12	3.00%	9	
17	17	STORM SEW CL A 2 12	3.00%	5	
18	18	STORM SEW CL A 2 15	1.00%	15	
19	112	SS RG CL A 2 54	0.10%	81	
20	43	STORM SEW CL A 2 12	1.00%	16	
0			0.00%	-	
22	16	STORM SEW CL A 1 12	0.50%	4	
23	16	STORM SEW CL A 2 12	0.50%	4	
24	16	STORM SEW CL A 2 12	0.50%	5	
25	14	STORM SEW CL A 2 12	0.50%	9	
26	16	STORM SEW CL A 2 12	0.50%	4	
27	16	STORM SEW CL A 2 12	0.50%	4	
28	16	STORM SEW CL A 2 12	0.50%	5	
29	10	STORM SEW CL A 2 12	0.50%	4	
29A	7	STORM SEW CL A 2 15	0.50%	7	
30	2	STORM SEW CL A 2 24	0.40%	3	
30A	72	STORM SEW CL A 2 24	0.40%	-	
30B	60	STORM SEW CL A 2 18	0.42%	-	
30C	4	STORM SEW CL A 2 12	0.50%	-	
30D	24	STORM SEW CL A 2 18	0.42%	-	
0			0.00%	-	
30F	11	STORM SEW WM REQ 12	0.50%	-	
30G	11	STORM SEW WM REQ 12	0.50%	-	
31	42	STORM SEW CL A 2 30	0.42%	44	
32	4	STORM SEW CL A 1 12	0.50%	1	
33	4	STORM SEW CL A 1 12	0.50%	1	
34	18	STORM SEW CL A 2 18	0.50%	7	
35	82	STORM SEW CL A 2 36	0.42%	105	
36	5	STORM SEW CL A 1 24	0.50%	2	
36A	12	STORM SEW CL A 2 12	2.00%	3	
37	4	STORM SEW CL A 2 18	0.50%	2	
38	4	STORM SEW CL A 1 12	0.50%	1	
39	145	STORM SEW CL A 3 36	0.42%	334	
40	20	STORM SEW CL A 2 15	0.50%	19	

	USER NAME = c1iss	DESIGNED DGB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITIES PROPOSED SCHEDULE	F.A.P. RTE. 346	SECTION (21&21S)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 92
	PLOT SCALE = 1:2	CHECKED JWM	REVISED -			CONTRACT NO. 62B65				
	PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -			ILLINOIS FED. AID PROJECT				
	SCALE:		SHEET 1 OF 3 SHEETS			STA. TO STA.				

FILE NAME = L:\7255\CAO\Sheet\Drainage\Schedule\03.Pr_Drainage_Schedule\0162865-Pr...Dr...Schud_02.dgn

STRUCTURE NUMBER	LOCATION			RIM ELEVATION	INVERT								STRUCTURE TYPE	COMMENTS	PIPE NUMBER	PIPE LENGTH (FOOT)	PIPE TYPE AND SIZE	PIPE SLOPE	TRENCH BACKFILL (CU YD)	COMMENTS
	ALIGNMENT	STATION	OFFSET		N	NE	E	SE	S	SW	W	NW								
41	DEERPATH RD	52+64.2	16.0 LT	656.20			651.90				651.62		CB TA 4 DIA W/SPL F&G	E INV EX 10" DIA.	41	10	STORM SEW CL A 2 12	1.00%	3	
42	DEERPATH RD	52+49.2	16.1 RT	655.80	649.43		651.43						CB TA 4 DIA W/SPL F&G		42	3	STORM SEW CL A 2 15	0.50%	3	
43	DEERPATH RD	52+64.2	16.3 RT	656.14							651.73		CB TA 4 DIA W/SPL F&G		43	10	STORM SEW CL A 2 12	3.00%	3	
44	DEERPATH RD	54+02.5	8.4 RT	661.88					646.01	656.96	646.01		MAN TA 6 DIA T1F CL	SW INV PR 4" PIPE UNDERDRAIN	44	52	STORM SEW CL A 5 36	0.50%	31	
44A	DEERPATH RD	54+02.5	67.3 RT	671.36	645.75								PIPE/WALL CONNECTION	PUMP STATION 38 INLET	0			0.00%	-	
45	DEERPATH RD	55+16.2	16.1 RT	666.92							662.33		CB TA 4 DIA W/SPL F&G		45	16	STORM SEW CL A 2 12	2.00%	5	
46	DEERPATH RD	54+95.7	16.1 RT	666.12			662.01				661.91		CB TA 4 DIA W/SPL F&G		46	16	STORM SEW CL A 2 12	2.00%	4	
47	DEERPATH RD	54+74.6	16.1 RT	665.19	660.59		661.59						CB TA 4 DIA W/SPL F&G		47	28	STORM SEW CL A 2 15	0.60%	10	
48	DEERPATH RD	54+74.6	16.9 LT	665.30			659.42		660.42				CB TA 4 DIA W/SPL F&G		48	7	STORM SEW CL A 2 18	0.50%	6	
49	DEERPATH RD	54+85.2	16.9 LT	665.72			659.28				659.38		CB TA 4 DIA W/SPL F&G		49	7	STORM SEW CL A 2 18	0.50%	6	
50	DEERPATH RD	54+95.7	16.8 LT	666.15		658.25					659.25		CB TA 4 DIA W/SPL F&G		50	25	STORM SEW CL A 2 18	0.50%	31	
51	DEERPATH RD	55+25.4	20.4 LT	667.51			658.12		655.12	658.12		655.12	MAN TA 6 DIA T1F CL		51	122	STORM SEW CL A 2 42	0.10%	-	
52	DEERPATH RD	55+55.9	15.8 LT	668.35			661.68				658.68		CB TA 4 DIA W/SPL F&G		52	28	STORM SEW CL A 2 12	2.00%	36	
53	DEERPATH RD	55+94.0	15.8 LT	669.29		665.34					662.34		CB TA 4 DIA W/SPL F&G		53	33	STORM SEW CL A 2 12	2.00%	28	
53A	DEERPATH RD	55+97.9	33.5 LT	670.19	666.19						665.62			EX MANHOLE; N INV EX 6" DIA.	53A	14	STORM SEW CL A 2 12	2.00%	3	
54	DEERPATH RD	55+63.7	14.2 RT	668.70			658.95				659.95		MAN TA 6 DIA T1F CL	E INV EX 33" DIA.	0			0.00%	-	
55	DEERPATH RD	54+85.3	32.5 RT	667.71			660.21				663.18		MAN TA 6 DIA T1F CL		55	74	SS RG CL A 2 36	0.35%	89	
55A	DEERPATH RD	54+58.6	67.3 RT	670.20		663.53					663.63		MAN TA 6 DIA T1F CL		55A	35	STORM SEW CL A 2 36	1.00%	20	
55B	DEERPATH RD	54+17.0	67.3 RT	671.47			664.00						PIPE/WALL CONNECTION	PUMP STATION 38 OUTLET	55B	37	STORM SEW CL A 2 36	1.00%	35	
56	DEERPATH RD	67+21.7	49.8 LT	660.33				654.00					CONC ES 542001 54 1:3	WITH RIPRAP - SEE DETAIL	0			0.00%	-	
57	DEERPATH RD	67+13.4	6.8 RT	662.64		656.15				654.15	654.15		MAN TA 9 DIA T1F CL		57	52	SS RG CL A 2 54	0.28%	28	
57A	DEERPATH RD	65+11.0	11.7 RT	665.17		654.83				654.83				EX MANHOLE; SW INV EX 36" DIA.	57A	194	STORM SEW CL A 2 48	0.35%	296	
57B	DEERPATH RD	67+53.7	6.9 RT	662.27				659.49		656.49	656.80		CB TA 4 DIA T1F CL	NW INV EX 6" DIA. (APPROX)	57B	34	STORM SEW CL A 2 12	1.00%	25	
57C	DEERPATH RD	67+54.9	14.7 RT	661.84							659.59			EX INLET	57C	5	STORM SEW CL A 1 12	2.00%	1	
58	DEERPATH RD	68+92.6	41.0 LT	659.25				654.00					CONC ES 542001 42 1:3		58	3	STORM SEW CL A 2 42	0.50%	-	
59	DEERPATH RD	68+93.4	35.0 LT	661.20				653.81			653.98		MH TA 7D W/2 T1FCL RP	W/ RESTRICTOR - SEE DETAILS	59	40	SS RG CL A 2 42	0.50%	41	
60	DEERPATH RD	68+93.4	12.3 RT	661.31		653.51		655.11		653.51	653.61		MAN TA 8 DIA T1F CL	NE & SW INV EX 42"; SE INV EX 12"	0			0.00%	-	
61	DEERPATH RD	50+43.4	151.6 LT	659.20	650.53	653.20			650.43				MAN TA 4 DIA T1F CL	NE INV EX 12" DIA.	61	92	STORM SEW CL A 2 12	0.50%	-	
62	NORTH BYPASS	149+21.1	0.0 LT	663.60	655.67					655.67			PIPE ELBOW 54	45 DEGREE BEND	62	189	STORM SEW CL A 2 54	0.10%	118	
62A	NORTH BYPASS	149+21.1	13.5 RT	664.50			660.60						INLETS TA T8G	E INV EX 8" DIA.	0			0.00%	-	
62B	NORTH BYPASS	150+03.0	10.0 RT	663.20			659.40						INLETS TA T8G	E INV EX 8" DIA.	0			0.00%	-	
63	NORTH BYPASS	151+18.7	0.0 LT	669.83			655.28		655.48				MAN TA 10 DIA T1F CL	BOLTED LID	63	45	P CUL CL A 1 EQRS 54	0.06%	59	
63A	NORTH BYPASS	151+73.7	0.0 LT	667.00	662.26		655.26				655.26		MAN TA 10 DIA T1F CL	BOLTED LID	63A	406	STORM SEWERS JKD 54	0.06%	-	
63B	NORTH BYPASS	151+73.9	11.9 LT	666.93					662.29		662.54		CB TA 4 DIA T11V F&G		63B	6	STORM SEW CL A 2 12	0.50%	2	
63C	NORTH BYPASS	151+50.3	11.9 LT	666.74			662.64						INLETS TA T11V F&G		63C	21	STORM SEW CL A 2 12	0.50%	6	
64	NORTH BYPASS	152+68.9	16.9 LT	667.15	659.14				651.20				MAN TA 4 DIA T1F CL	N INV EX 12" DIA.	64	133	STORM SEW CL A 3 12	0.50%	-	
65	NORTH BYPASS	155+86.3	0.0 LT	667.11				655.01			655.01		MAN TA 7 DIA T1F CL	BOLTED LID	65	22	STORM SEW CL A 2 54	0.06%	32	
66	NORTH BYPASS	156+11.3	0.0 LT	661.33							655.00		CONC ES 542001 54 1:4	WITH RIPRAP - SEE DETAIL	0			0.00%	-	
67	INTERCONNECT	200+25.0	0.0 LT	660.00		655.00							PIPE/WALL CONNECTION		67	310	STORM SEW CL A 2 42	0.08%	-	
68	INTERCONNECT	203+37.8	0.0 LT	668.52		654.76				654.76			MH TA 7D W/2 T1FCL RP	W/ RESTRICTOR - SEE DETAILS	68	250	STORM SEW CL A 3 42	0.08%	318	
69	INTERCONNECT	205+94.1	0.0 LT	669.77			654.56			654.56			MAN TA 7 DIA T1F CL		69	270	STORM SEW CL A 3 42	0.08%	188	
70	INTERCONNECT	208+69.1	0.0 LT	667.14		661.31	654.35				654.35		MAN TA 6 DIA T1F CL		70	10	STORM SEW CL A 3 24	0.08%	-	
70A	INTERCONNECT	208+86.1	0.0 LT	666.72			654.34	652.34	INV MH)	661.30	654.34		MAN TA 7 DIA T1F CL	W/ ELAST CHK VAL 24-SEE DETAILS	70-1	10	STORM SEW CL A 1 36	0.08%	-	
71	INTERCONNECT	212+52.3	0.0 LT	662.10				654.05		657.55	654.05		MAN TA 8 DIA T1F CL		70A	359	STORM SEW CL A 2 42	0.08%	-	
71A	INTERCONNECT	212+66.5	11.2 RT	663.53		657.59			657.59				MAN TA 4 DIA T1F CL	W/ ELAST CHK VAL 12	71	64	STORM SEW CL A 2 42	0.08%	-	
71B	INTERCONNECT	212+60.4	15.9 RT	662.31	657.65					659.31	659.21			EX MH; SW INV EX 8"; W INV EX 8"	71A	8	STORM SEW CL A 2 12	0.50%	-	
72	INTERCONNECT	213+18.3	0.0 LT	659.25							654.00		CONC ES 542001 42 1:3	WITH RIPRAP - SEE DETAIL	71B	11	STORM SEW CL A 2 12	0.50%	-	
73	DEERPATH RD	55+65.5	66.2 RT	667.93	663.24									EX CATCH BASIN	0			0.00%	-	
74	DEERPATH RD	55+25.6	47.7 RT	668.10	655.35	659.35			659.35	659.14			MAN TA 6 DIA T1F CL	SW INV EX 33" DIA.	73	21	STORM SEW CL A 2 12	0.50%	7	
75	DEERPATH RD	55+37.2	43.8 RT	667.73			659.89			659.39			CB TA 4 DIA W/SPL F&G		74	64	SS RG CL A 2 42	0.35%	152	
															75	8	SS RG CL A 2 15	0.50%	10	

STRUCTURE NUMBER	LOCATION			RIM ELEVATION	INVERT								STRUCTURE TYPE	COMMENTS
	ALIGNMENT	STATION	OFFSET		N	NE	E	SE	S	SW	W	NW		
76	DEERPATH RD	55+23.0	59.6 RT	667.92	659.38				661.38	663.38			CB TA 4 DIA W/SPL F&G	
76A	DEERPATH RD	55+23.0	104.7 RT	668.25	661.59								CB TA 4 DIA T8G	6 IN ADJUSTING RINGS TO BE USED
76B	DEERPATH RD	54+95.1	81.6 RT	669.16		663.71							INLETS TA W/SPL F&G	
77	DEERPATH RD	55+66.8	43.7 RT	668.22				663.14		660.14			CB TA 4 DIA W/SPL F&G	
78	DEERPATH RD	47+30.7	42.6 RT	669.49				662.31					MAN TA 4 DIA T1F CL	S INV EX 30" DIA.
79	DEERPATH RD	54+66.8	131.5 LT	660.00				655.00					PIPE/WALL CONNECTION	WITH RIPRAP - SEE DETAIL

PIPE NUMBER	PIPE LENGTH (FOOT)	PIPE TYPE AND SIZE	PIPE SLOPE	TRENCH BACKFILL	COMMENTS
				(CU YD)	
76	7	STORM SEW CL A 2 18	0.50%	9	
76A	41	STORM SEW CL A 2 18	0.50%	35	
76B	33	SS RG CL A 2 12	1.00%	12	
77	25	SS RG CL A 2 12	1.00%	26	
0				-	
0				-	

PROPOSED DRAINAGE STRUCTURE SCHEDULE SUMMARY			
PAY ITEM	PAY ITEM ABBREVIATION FROM SCHEDULE	TOTAL QUANTITY	UNITS
PIPE ELBOW, 54"	PIPE ELBOW 54	1	EACH
CONCRETE END SECTION, STANDARD 542001, 42", 1:3	CONC ES 542001 42 1:3	2	EACH
CONCRETE END SECTION, STANDARD 542001, 54", 1:3	CONC ES 542001 54 1:3	1	EACH
CONCRETE END SECTION, STANDARD 542001, 54", 1:4	CONC ES 542001 54 1:4	1	EACH
CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	CB TA 4 DIA T1F OL	1	EACH
CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	CB TA 4 DIA T1F CL	2	EACH
CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	CB TA 4 DIA T8G	1	EACH
CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	CB TA 4 DIA T11V F&G	1	EACH
MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	MAN TA 4 DIA T1F CL	7	EACH
MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	MAN TA 5 DIA T1F CL	3	EACH
MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	MAN TA 6 DIA T1F CL	11	EACH
MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	MAN TA 7 DIA T1F CL	4	EACH
MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	MAN TA 8 DIA T1F CL	2	EACH
MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	MAN TA 9 DIA T1F CL	2	EACH
INLETS, TYPE A, TYPE 8 GRATE	INLETS TA T8G	2	EACH
INLETS, TYPE A, TYPE 11V FRAME AND GRATE	INLETS TA T11V F&G	1	EACH
INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	INLETS TB T1F CL	1	EACH
MANHOLES, TYPE A, 10'-DIAMETER, TYPE 1 FRAME, CLOSED LID	MAN TA 10 DIA T1F CL	2	EACH
CATCH BASINS, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE	CB TA 4 DIA W/SPL F&G	40	EACH
INLETS, TYPE A, WITH SPECIAL FRAME AND GRATE	INLETS TA W/SPL F&G	7	EACH
PLUG EXISTING STORM SEWERS	PLUG EX STORM SEWERS	0.4	CU YD
MANHOLES, TYPE A, 7'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	MH TA 7D W/2 T1FCL RP	2	EACH

PROPOSED STORM SEWER SCHEDULE SUMMARY			
PAY ITEM	PAY ITEM ABBREVIATION FROM SCHEDULE	TOTAL QUANTITY	UNITS
TRENCH BACKFILL	TRENCH BACKFILL	3234	CU YD
STORM SEWERS, CLASS A, TYPE 1 12"	STORM SEW CL A 1 12	33	FOOT
STORM SEWERS, CLASS A, TYPE 1 24"	STORM SEW CL A 1 24	5	FOOT
STORM SEWERS, CLASS A, TYPE 1 36"	STORM SEW CL A 1 36	10	FOOT
STORM SEWERS, CLASS A, TYPE 2 12"	STORM SEW CL A 2 12	720	FOOT
STORM SEWERS, CLASS A, TYPE 2 15"	STORM SEW CL A 2 15	95	FOOT
STORM SEWERS, CLASS A, TYPE 2 18"	STORM SEW CL A 2 18	215	FOOT
STORM SEWERS, CLASS A, TYPE 2 24"	STORM SEW CL A 2 24	74	FOOT
STORM SEWERS, CLASS A, TYPE 2 30"	STORM SEW CL A 2 30	42	FOOT
STORM SEWERS, CLASS A, TYPE 2 36"	STORM SEW CL A 2 36	295	FOOT
STORM SEWERS, CLASS A, TYPE 2 42"	STORM SEW CL A 2 42	974	FOOT
STORM SEWERS, CLASS A, TYPE 2 48"	STORM SEW CL A 2 48	194	FOOT
STORM SEWERS, CLASS A, TYPE 2 54"	STORM SEW CL A 2 54	211	FOOT
STORM SEWERS, CLASS A, TYPE 3 12"	STORM SEW CL A 3 12	165	FOOT
STORM SEWERS, CLASS A, TYPE 3 24"	STORM SEW CL A 3 24	10	FOOT
STORM SEWERS, CLASS A, TYPE 3 36"	STORM SEW CL A 3 36	145	FOOT
STORM SEWERS, CLASS A, TYPE 3 42"	STORM SEW CL A 3 42	520	FOOT
STORM SEWERS, CLASS A, TYPE 5 36"	STORM SEW CL A 5 36	52	FOOT
STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	SS RG CL A 1 12	9	FOOT
STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	SS RG CL A 2 12	58	FOOT
STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	SS RG CL A 2 15	11	FOOT
STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	SS RG CL A 2 36	74	FOOT
STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 42"	SS RG CL A 2 42	104	FOOT
STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 54"	SS RG CL A 2 54	242	FOOT
STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 54"	P CUL CL A 1 EQRS 54	45	FOOT
STORM SEWERS JACKED IN PLACE, 54"	STORM SEWERS JKD 54	406	FOOT
STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	STORM SEW WM REQ 12	98	FOOT

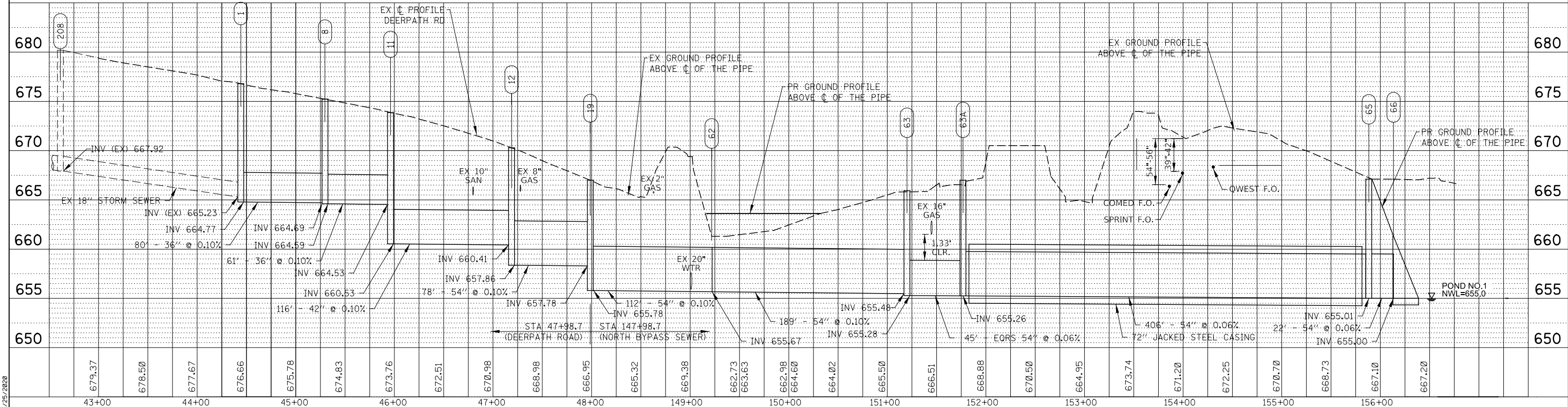
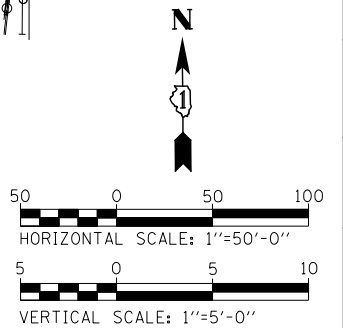
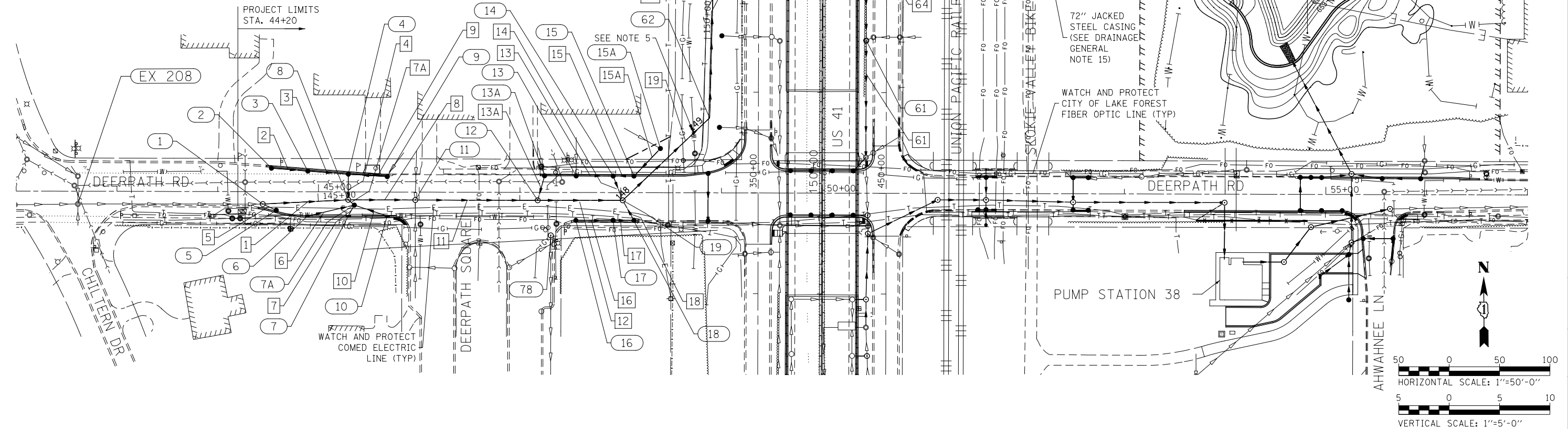
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	USER NAME = c11ss	DESIGNED DGB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITIES PROPOSED SCHEDULE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN DGB	REVISOR -	346			(21&215)-I	LAKE	290	94	
	PLOT SCALE = 1:2	CHECKED JWM	REVISED -			CONTRACT NO. 62B65				
	PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -			SCALE:	SHEET 3 OF 3 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

- NOTE:
- JACKING ALIGNMENT IS BASED ON THE DESIGN PLAN PILE LOCATIONS UNDER THE US 41 BRIDGE. ALIGNMENT SHALL BE VERIFIED AND ADJUSTED IF NECESSARY AFTER PILE LOCATIONS ARE EXPOSED AND STRUCTURAL WORK ON THE BRIDGE IS COMPLETED.
 - DEWATERING FOR JACKING AND RECEIVING PITS SHALL BE INCLUDED IN THE COST PER FOOT OF STORM SEWER JACKED IN PLACE, 54".
 - GOLF COURSE IRRIGATION AS SHOWN IS APPROXIMATE AND FOR INFORMATION ONLY, THE PAY ITEM EXPLORATION TRENCH, SPECIAL HAS BEEN PROVIDED FOR PURPOSES OF LOCATING EXISTING UTILITY SYSTEMS.
 - ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED AND CONNECTED TO PROPOSED DRAINAGE STRUCTURES, SEWERS, OR DITCHES, AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE STORM SEWER OR STRUCTURE BEING CONSTRUCTED OR IN THE EARTH EXCAVATION FOR THE DETENTION PONDS.
 - 20" DIA. WATER MAIN TO BE ADJUSTED. SEE VILLAGE OF LAKE FOREST WATERMAIN RELOCATION DETAILS SHEET.

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
	NO.		

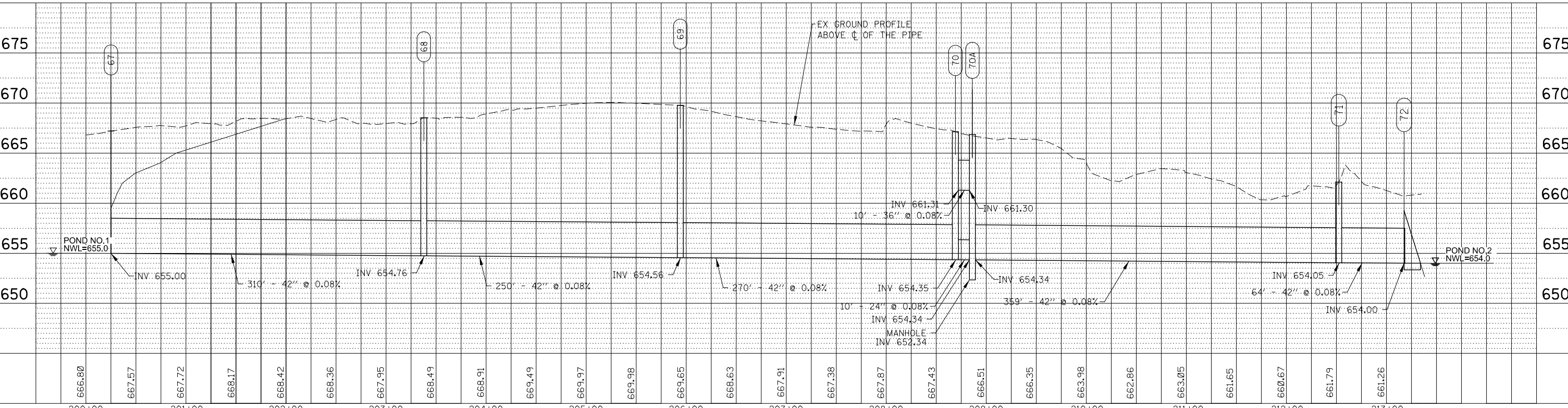
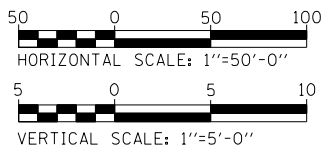
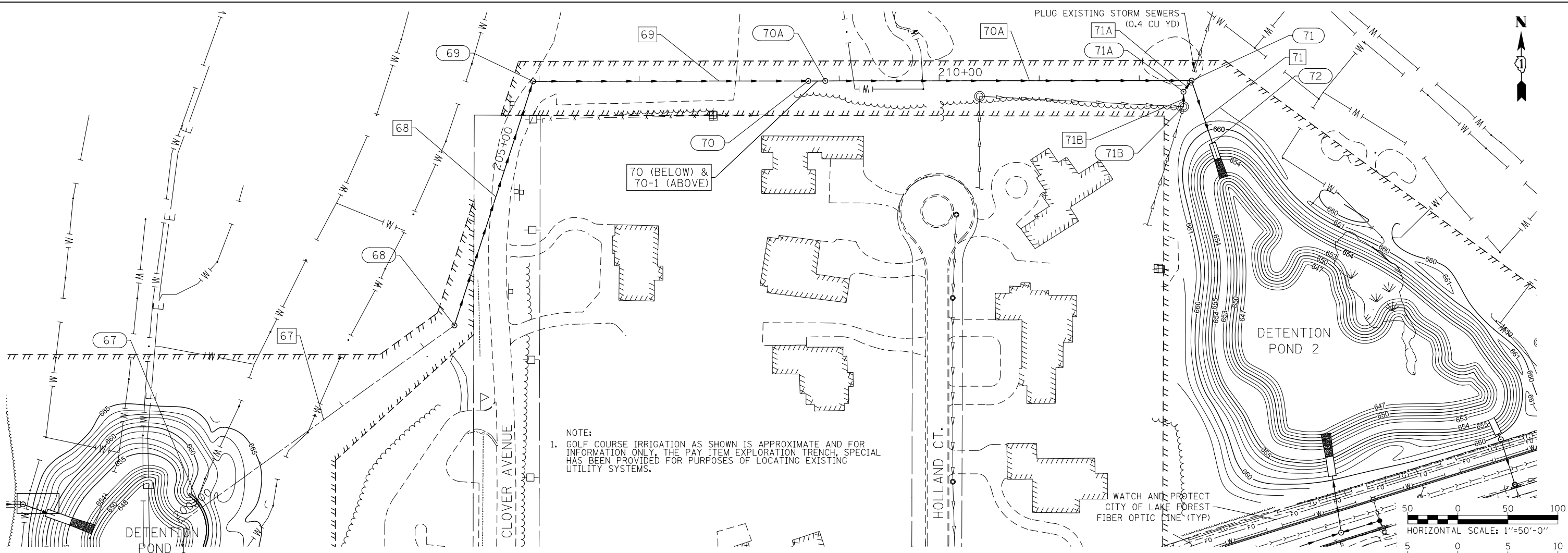


PLOT DATE = 6/25/2020

KNIGHT Engineers & Architects	USER NAME = c11ss	DESIGNED DGB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE AND UTILITIES PROPOSED PLAN AND PROFILE - NORTH BYPASS STORM SEWER	F.A.P. RTE. 346	SECTION (21&21S)-I	COUNTY LAKE	TOTAL SHEETS 290	SHEET NO. 95			
	PLOT SCALE = 1:100	CHECKED JWM	REVISED -			SCALE:	SHEET 1 OF 4 SHEETS	STA.	TO STA.	CONTRACT NO. 62B65			
	PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -			ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	CADD FILE NAME		



PLOT DATE = 6/25/2020



USER NAME = c1iss	DESIGNED DGB	REVISED -
PLOT SCALE = 1:100	DRAWN DGB	REVISED -
PLOT DATE = 6/25/2020	CHECKED JWM	REVISED -
	DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

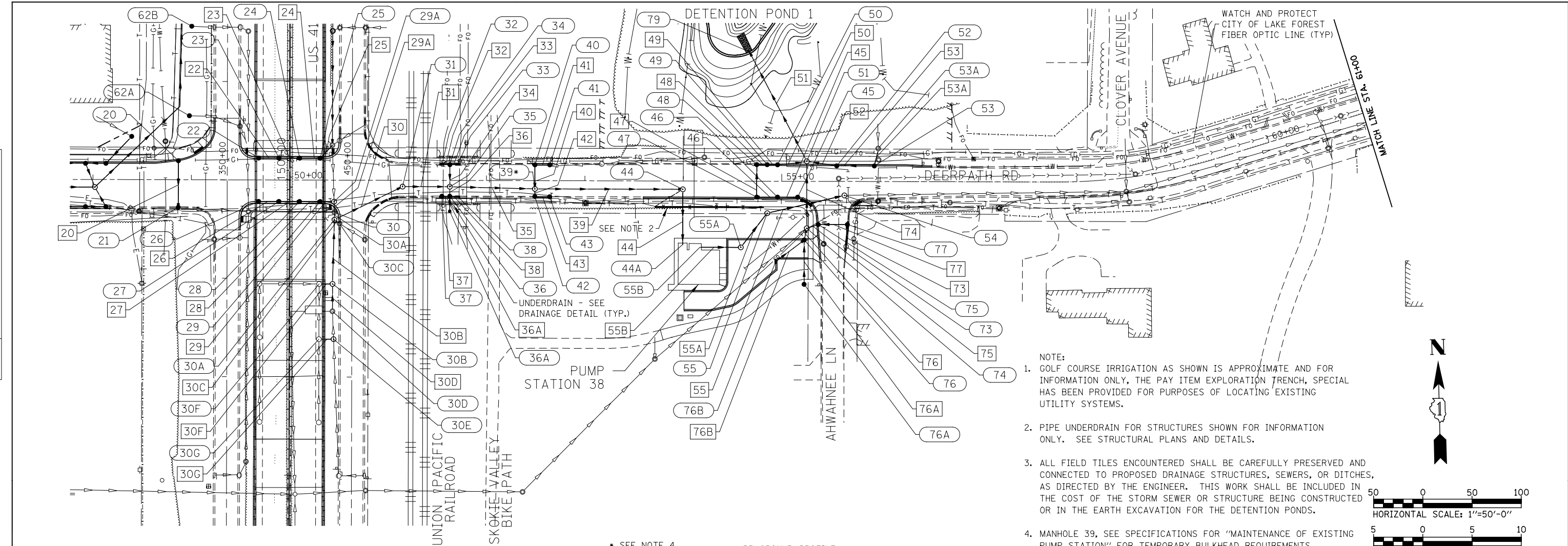
DRAINAGE AND UTILITIES
PROPOSED PLAN AND PROFILE-POND INTERCONNECTION STORM SEWER

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

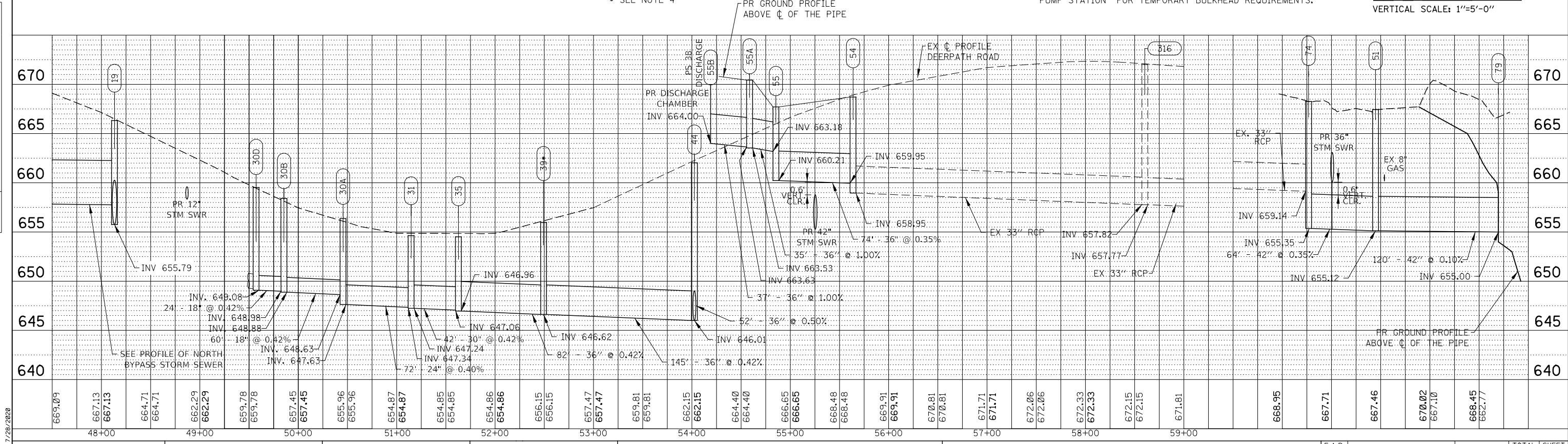
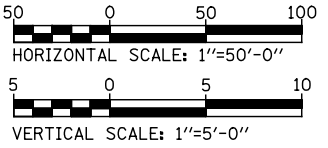
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 62B65	

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PROFILE	SURVEYED	DATE
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	FILE NAME	



- NOTE:
- GOLF COURSE IRRIGATION AS SHOWN IS APPROXIMATE AND FOR INFORMATION ONLY. THE PAY ITEM EXPLORATION TRENCH, SPECIAL HAS BEEN PROVIDED FOR PURPOSES OF LOCATING EXISTING UTILITY SYSTEMS.
 - PIPE UNDERDRAIN FOR STRUCTURES SHOWN FOR INFORMATION ONLY. SEE STRUCTURAL PLANS AND DETAILS.
 - ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED AND CONNECTED TO PROPOSED DRAINAGE STRUCTURES, SEWERS, OR DITCHES, AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE STORM SEWER OR STRUCTURE BEING CONSTRUCTED OR IN THE EARTH EXCAVATION FOR THE DETENTION PONDS.
 - MANHOLE 39, SEE SPECIFICATIONS FOR "MAINTENANCE OF EXISTING PUMP STATION" FOR TEMPORARY BULKHEAD REQUIREMENTS.



KNIGHT
Engineers & Architects

USER NAME = J.Mitchel	DESIGNED DGB	REVISED 7/30/2020
PLLOT SCALE = 1:100	DRAWN DGB	REVISED -
PLLOT DATE = 7/28/2020	CHECKED JWM	REVISED -
	DATE 06/26/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

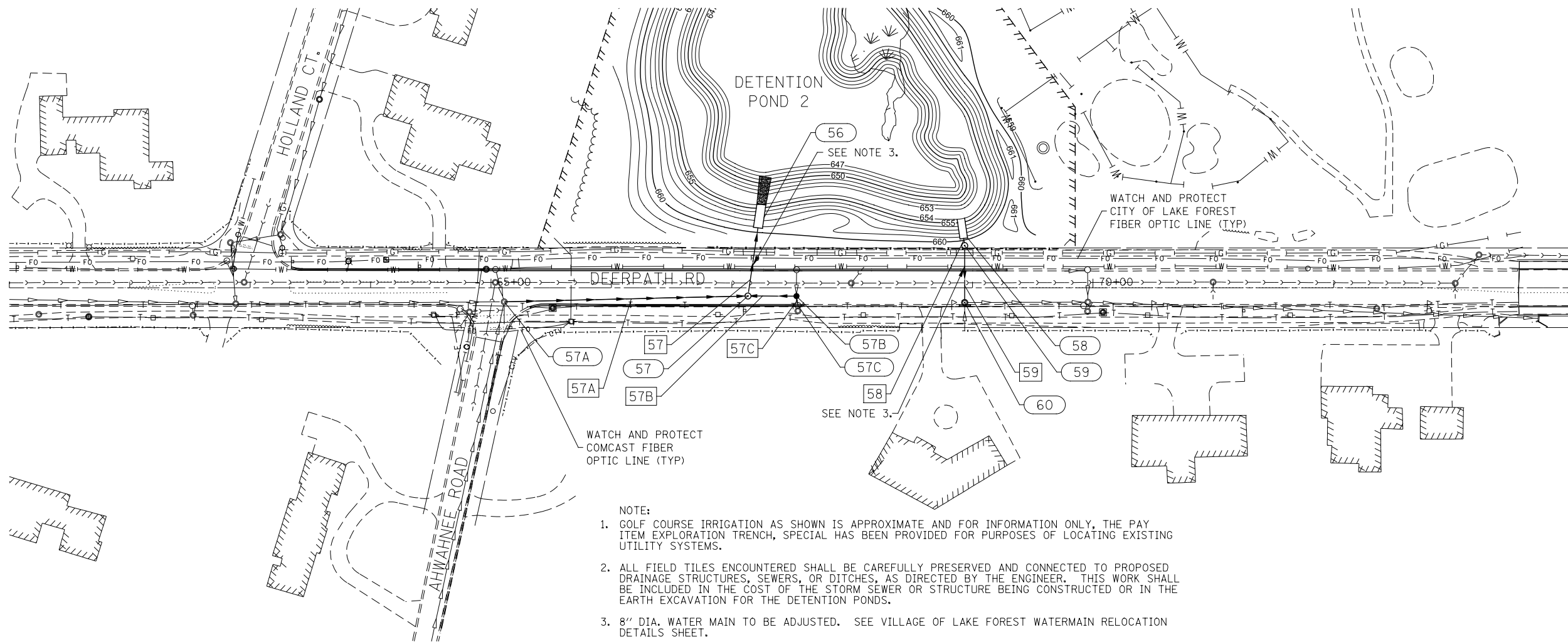
DRAINAGE AND UTILITIES
PROPOSED PLAN AND PROFILE - DEERPATH ROAD

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

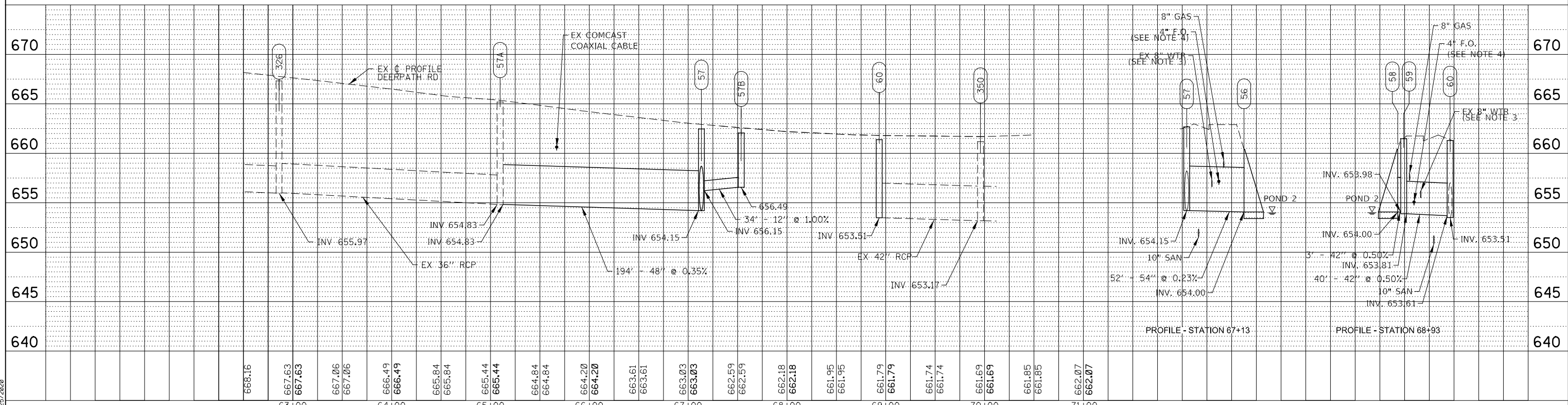
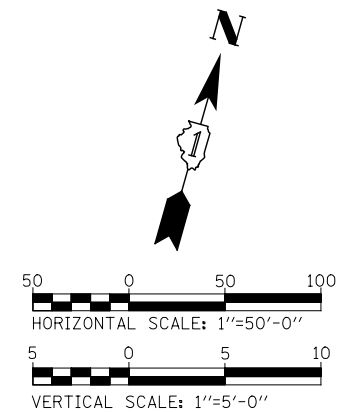
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CONTRACT NO. 62B65				
ILLINOIS FED. AID PROJECT				

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PROFILE	SURVEYED	DATE
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	STRUCTURE NOTATIONS CHKD	
	NOTE BOOK NO.	
	CADD FILE NAME	



- NOTE:
- GOLF COURSE IRRIGATION AS SHOWN IS APPROXIMATE AND FOR INFORMATION ONLY. THE PAY ITEM EXPLORATION TRENCH, SPECIAL HAS BEEN PROVIDED FOR PURPOSES OF LOCATING EXISTING UTILITY SYSTEMS.
 - ALL FIELD TILES ENCOUNTERED SHALL BE CAREFULLY PRESERVED AND CONNECTED TO PROPOSED DRAINAGE STRUCTURES, SEWERS, OR DITCHES, AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE STORM SEWER OR STRUCTURE BEING CONSTRUCTED OR IN THE EARTH EXCAVATION FOR THE DETENTION PONDS.
 - 8" DIA. WATER MAIN TO BE ADJUSTED. SEE VILLAGE OF LAKE FOREST WATERMAIN RELOCATION DETAILS SHEET.
 - COORDINATE WITH THE CITY OF LAKE FOREST REGARDING POSSIBLE ADJUSTMENT OF THE 4" FIBER OPTIC (F.O.) LINES DURING THE STORM SEWER INSTALLATION, AT STATIONS 67+18 & 69+18.



PLOT DATE = 6/25/2020

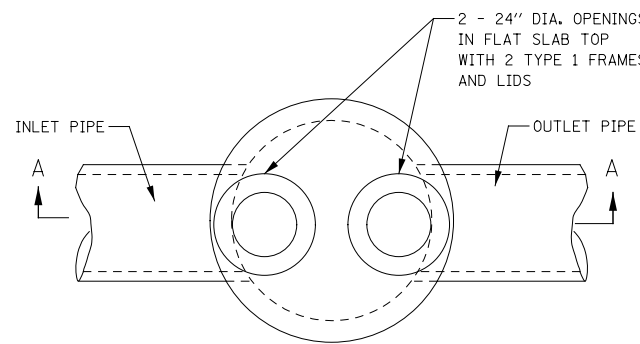


USER NAME = c11ss	DESIGNED DGB	REVISED -
	DRAWN DGB	REVISED -
PLOT SCALE = 1:100	CHECKED JWM	REVISED -
PLOT DATE = 6/25/2020	DATE 06/26/20	REVISED -

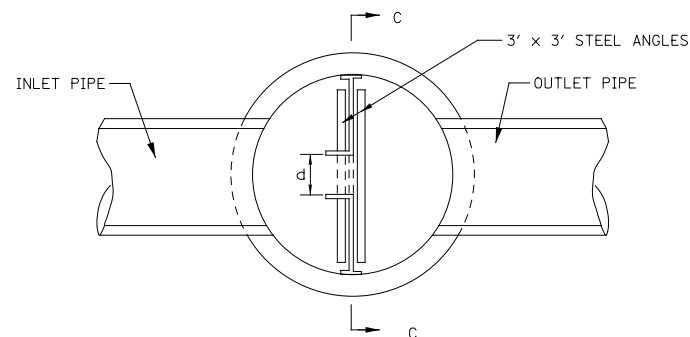
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES
PROPOSED PLAN AND PROFILE - DEERPETH ROAD
SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

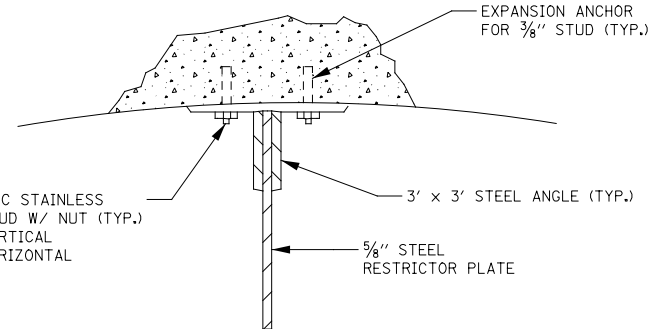
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CONTRACT NO. 62B65				ILLINOIS FED. AID PROJECT



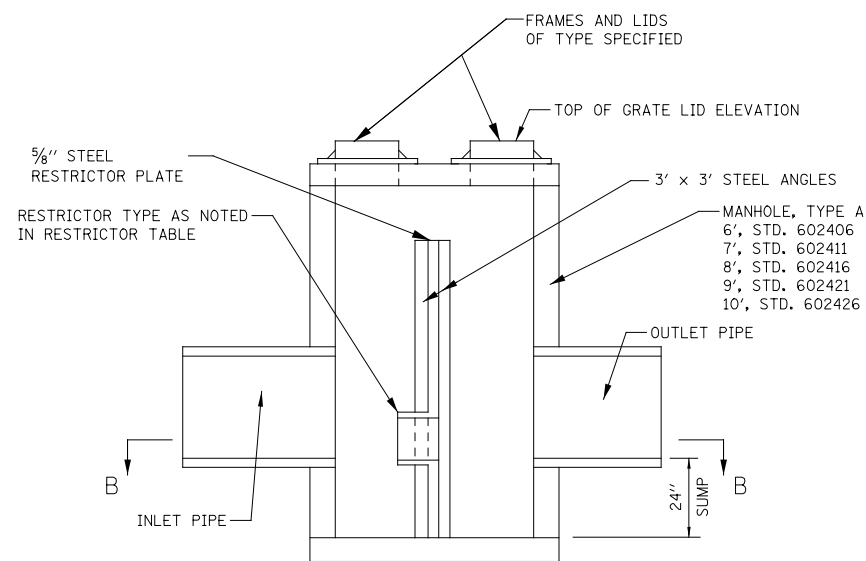
PLAN



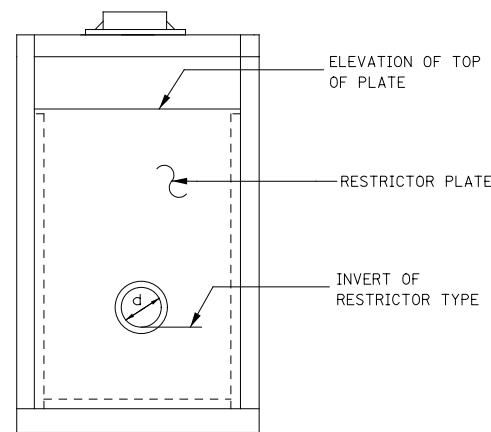
SECTION B-B



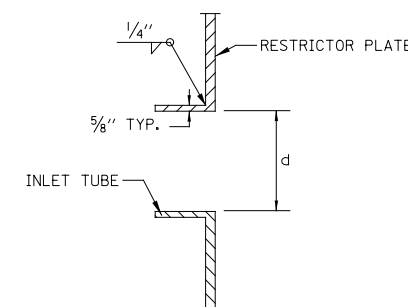
ANGLE FASTENER DETAIL



SECTION A-A



SECTION C-C



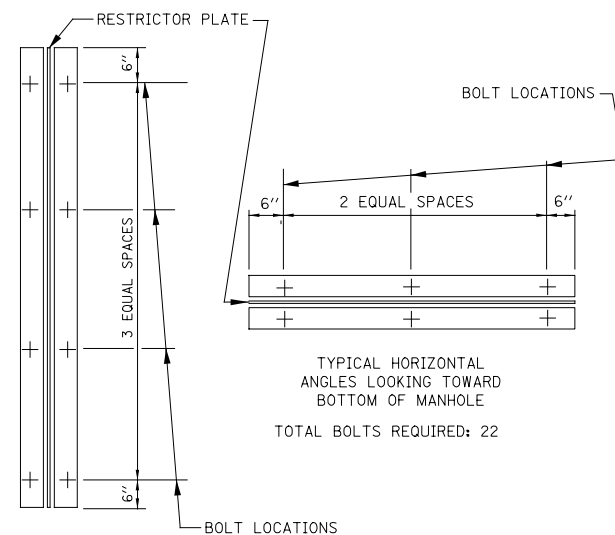
INLET TUBE DETAIL

NOTES:

1. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
2. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.
3. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
4. BASIS OF PAYMENT: "MANHOLES, WITH RESTRICTOR PLATE" WILL BE PAID FOR AS EACH. THE PAY ITEM SHALL INCLUDE THE CONCRETE MANHOLE, THE FRAMES AND LIDS, THE RESTRICTOR PLATE AND ALL ANGLES AND HARDWARE SHOWN IN THIS DRAWING.

STR NO.*	PAY ITEM	MANHOLE DIAMETER	FRAME AND LID	RESTRICTOR TYPE	RESTRICTOR DIAMETER (d)	INVERT OF RESTRICTOR	ELEVATION OF TOP OF PLATE OVERFLOW
68 (POND 1)	MH TA 7D W/2 T1FCL RP	7'	2-T1-CL	2	23"	654.76	664.61
59 (POND 2)	MH TA 7D W/2 T1FCL RP	7'	2-T1-CL	2	36"	654.00	659.50

- * REFER TO PROPOSED STRUCTURE SCHEDULE FOR STRUCTURE STATION, OFFSET, RIM ELEVATION, AND INVERTS.
- ** NOT USED.
- *** ALL UNDERDRAIN OUTLETING TO "MANHOLE WITH RESTRICTOR PLATE OF THE TYPE SPECIFIED" SHALL BE CONNECTED DOWNSTREAM OF RESTRICTOR.



TYPICAL VERTICAL ANGLES LOOKING TOWARD MANHOLE WALL

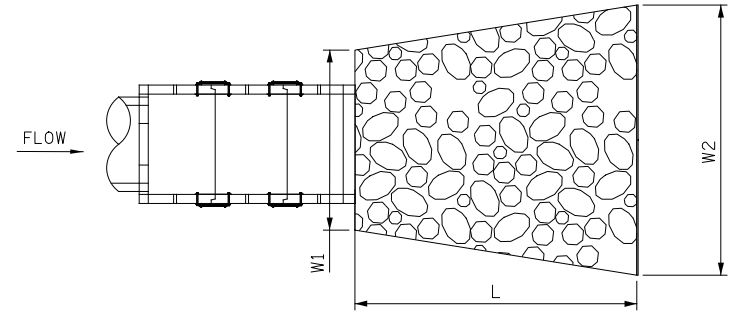
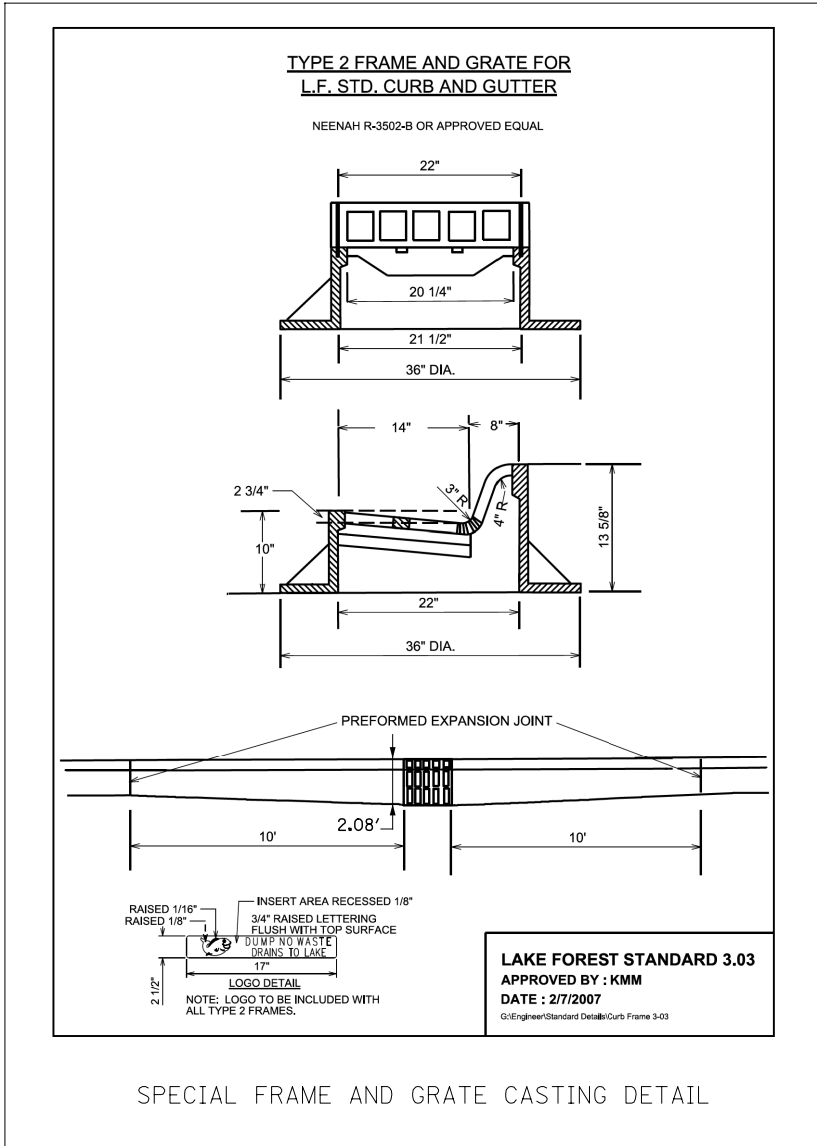
STEEL ANGLE BOLTING DETAILS

STR. 802 FRAME AND LID SHALL MEET THE MATERIAL AND CONSTRUCTION REQUIREMENTS OF A TYPE 1 FRAME AND LID AS SPECIFIED IN SECTION 604 OF THE STANDARD SPECIFICATIONS.

1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGES	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH 1/2 TO 1 DIA.		LENGTH 1 TO 2 DIA.	LENGTH 2-1/2 DIA.	LENGTH 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

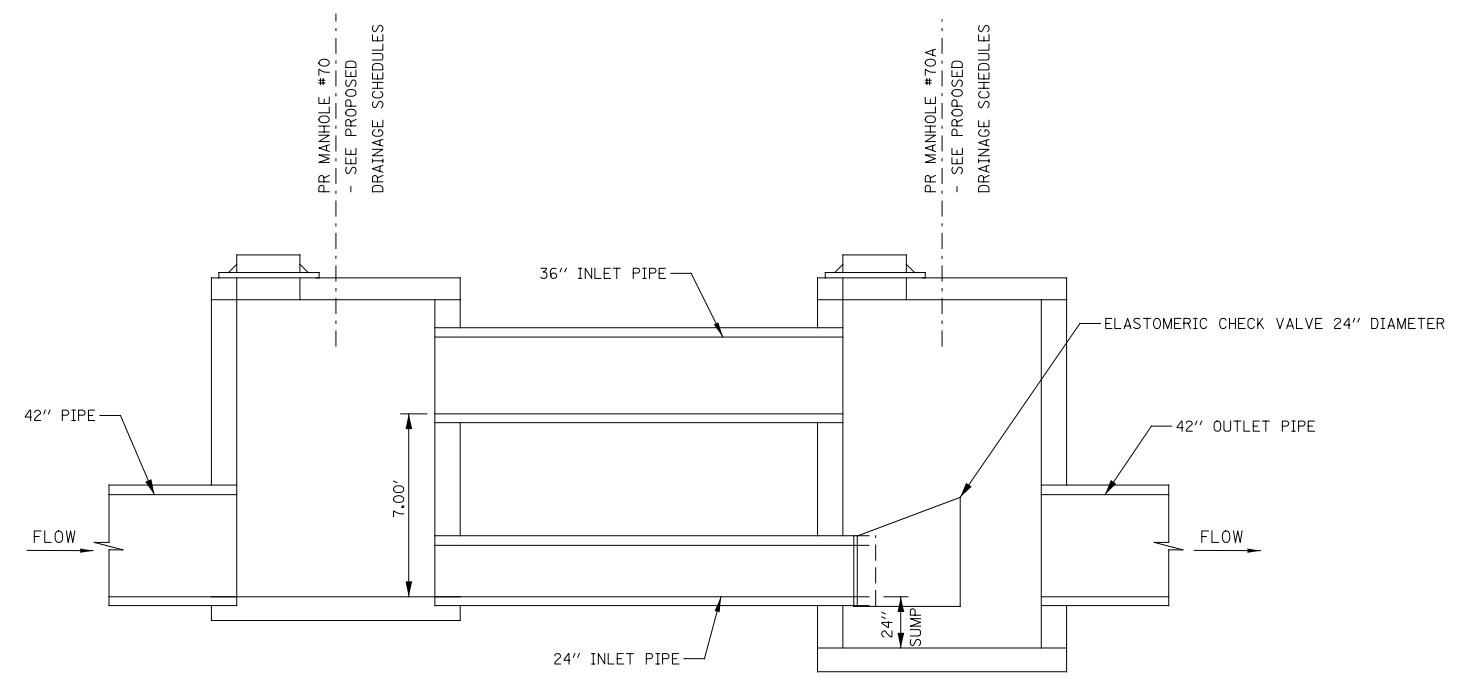
VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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STRUCTURE NUMBER	SEWER DIAMETER	L (FEET)	W1 (FEET)	W2 (FEET)	RIPRAP CLASS			FILTER FABRIC (SQ YD)
					A3 (SQ YD)	A4 (SQ YD)	A5 (SQ YD)	
66	54"	26	6.5	16.9			34	34
56	54"	26	6.5	16.9			34	34
72	42"	24	6.0	15.6		29		29
79	42"	24	6.0	15.6		29		29

STONE RIPRAP



SECTION - ELASTOMERIC CHECK VALVE INSTALLATION AT STATION 64+54.1, 576.8' LT

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