

04-24-2026 LETTING ITEM 044

FOR INDEX OF SHEETS, SEE SHEET NO. 2

Ciorba Group, Inc.

DESIGN FIRM
REGISTRATION NUMBER
184-001016

CONSULTING ENGINEERS
8725 W. HIGGINS RD, SUITE 600
CHICAGO, ILLINOIS 60631 :: (773) 775-4009

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

**FAU 3512 US-14 (NORTHWEST HIGHWAY)
SECTION: 21-00174-00-BR
PROJECT NO: V5IJ(045)
VILLAGE OF MOUNT PROSPECT
COOK COUNTY
C-91-204-23**

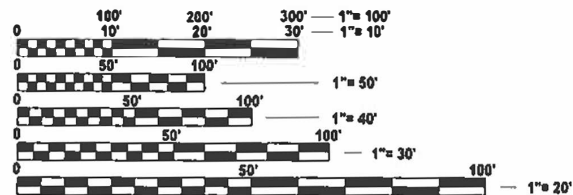
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	1
		ILLINOIS	CONTRACT NO. 61M15	

D-91-142-23



TRAFFIC DATA (NORTHWEST HWY):

MINOR ARTERIAL
CURRENT ADT (2023) = 9,700 VPD
FUTURE ADT (2032) = 16,480 VPD
SPEED LIMIT = 40 MPH
DESIGN SPEED = 40 MPH



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.

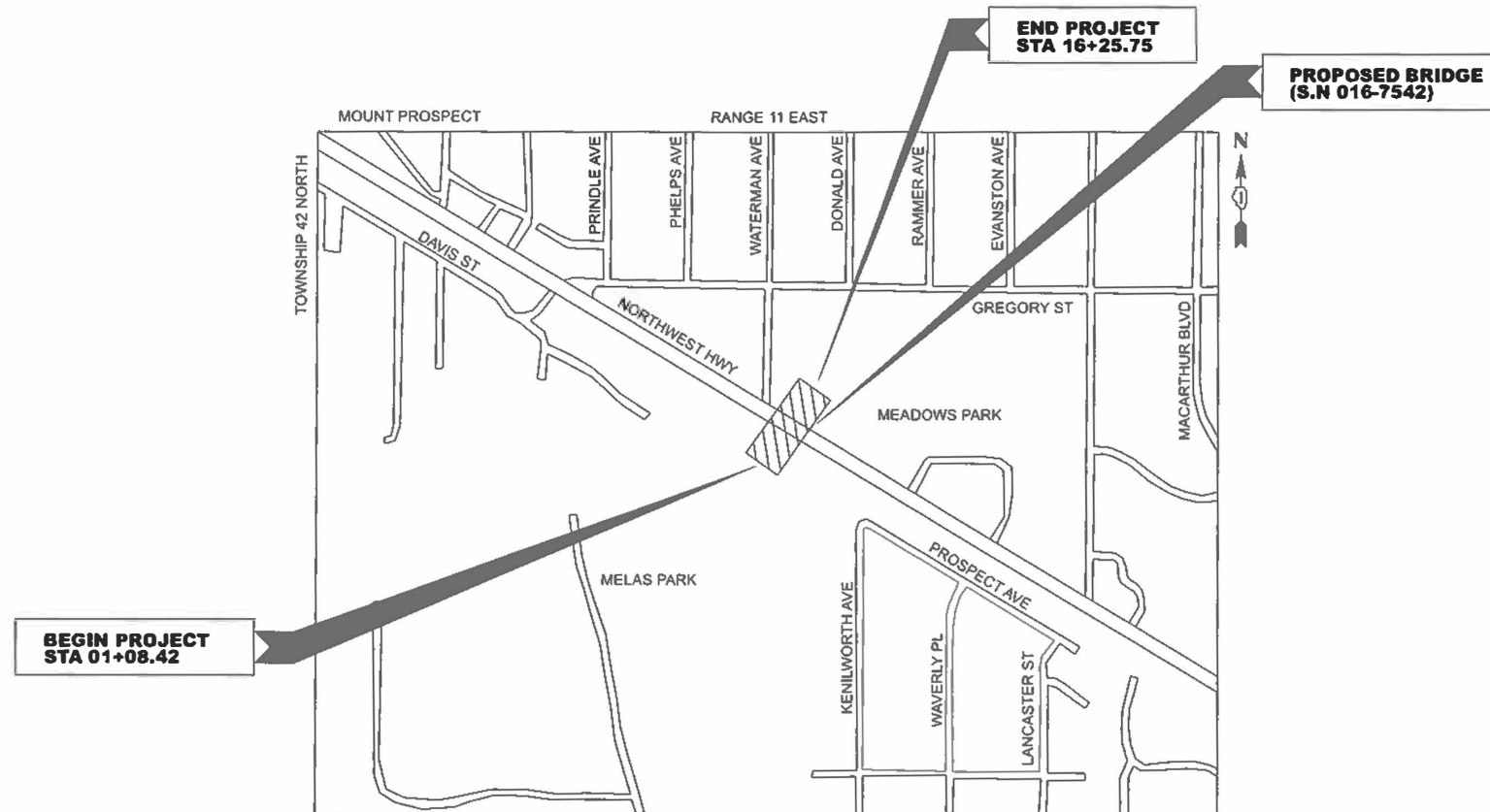
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

Contact the Metropolitan Water Reclamation District of Greater Chicago 2 days before starting work.

P (708) 588-4055
E WMJobStart@mwrdd.org

PROJECT ENGINEER: BRETT W. SAUTER, P.E., S.E.

CONTRACT NO. 61M15



LOCATION MAP (NOT TO SCALE)

GROSS LENGTH = 1,517.33 FT. = 0.29 MILE
NET LENGTH = 1,517.33 FT. = 0.29 MILE

NOTE: SEE SHEET 152 FOR SANITARY SEWER ROUTING MAP.

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAUMBURG, IL

ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED September 26, 2025 [Signature]
MOUNT PROSPECT PARK DISTRICT, EXECUTIVE DIRECTOR

APPROVED September 26, 2025 [Signature]
MOUNT PROSPECT, VILLAGE ENGINEER

PASSED NOV 6, 2025 [Signature]
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW NOV 13, 2025 [Signature]
REGIONAL ENGINEER

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OF THE STATE OF ILLINOIS**

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IDOT HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
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542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602402-03	PRECAST MANHOLE TYPE A 5' DIAMETER
604036-03	GRATE TYPE 8
604091-05	FRAME AND GRATE TYPE 24
606001-09	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
664001-02	CHAIN LINK FENCE
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701427-05	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPER., FOR SPEEDS LESS THAN/EQUAL 40 MPH
701606-10	URBAN SINGLE LANE CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
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DISTRICT 1 STANDARD DETAILS

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TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2022 (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2026; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THESE PLANS; AND THE SPECIAL PROVISIONS IN THE CONTRACT DOCUMENTS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE CONTRACT.
- THE CONTRACTOR SHALL MAINTAIN THE SITE IN AN ORDERLY MANNER. DEBRIS AND SURPLUS MATERIALS SHALL BE FROM REMOVED FROM THE SITE ON A REGULAR BASIS AND DISPOSED OF IN ACCORDANCE WITH ARTICLE 202.3 OF THE STANDARD SPECIFICATIONS. RESTORATION SHALL BE INITIATED AS WORK PROGRESSES TO THE EXTENT CONSIDERED PRACTICAL.
- WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND ELEVATIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ANY REFERENCE TO A STANDARD THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS INCLUDED IN THESE PLANS.
- THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THIS BRIDGE. HISTORICAL AS-BUILT OR OTHER RECORDS PLANS ARE NOT AVAILABLE FOR THE FOLLOWING REASON: THERE WAS NO PRE-EXISTING STRUCTURE.
- THOSE SEEKING THE FULL GEOTECHNICAL REPORT OR PRELIMINARY SITE INVESTIGATION SHOULD CONTACT THE VILLAGE ENGINEER. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION PLEASE CONTACT:
MATT LAWRIE
VILLAGE OF MOUNT PROSPECT
PHONE NUMBER: (847) 870-5640
EMAIL: MLAWRIE@MOUNTPROSPECT.ORG
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE UNION PACIFIC RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE UNION PACIFIC RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 109.05.
- THE VILLAGE WILL PROVIDE A FIELD OFFICE AT THE MOUNT PROSPECT EMERGENCY OPERATIONS CENTER, 1720 WEST CENTRAL ROAD, MOUNT PROSPECT, IL. 60056. THE OFFICE SPACE WILL MEET THE REQUIREMENTS SET IN THE CONTRACT SPECIAL PROVISION FOR ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL).
- THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNANHOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.
- ANY AGGREGATE SUBGRADE CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b,c) OF THE SSRBC WILL NOT BE ALLOWED.

VILLAGE OF MOUNT PROSPECT CONSTRUCTION DETAILS

- FRAMES AND LIDS DETAIL
- INLET DETAIL
- SANITARY MANHOLE DETAIL
- STORM MANHOLE DETAIL
- TRENCH SECTION DETAIL
- GATE VALVE DETAIL

UTILITY AND DRAINAGE NOTES

- ALL CLASS A STORM SEWERS AND PIPE CULVERTS SHALL BE REINFORCED CONCRETE UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, AND CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN A PUMPING PLANT, IF NECESSARY, AND TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE.
- THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES WHEN CONSIDERED NECESSARY BY THE ENGINEER BY METHODS APPROVED BY THE ENGINEER AND HE SHALL BRACE AND SUPPORT THE UTILITIES PROPERLY TO PREVENT THE SETTLEMENT, DISPLACEMENT, OR DAMAGE TO THE UTILITIES.
- THE CONTRACTOR SHALL VERIFY THE INVERTS, SIZES, AND MATERIAL FOR ALL EXISTING STORM SEWERS THAT ARE BEING CONNECTED TO THE PROPOSED STORM SEWER SYSTEM.
- ANY ABANDONED UTILITY OR SEWER ENCOUNTERED DURING CONSTRUCTION OR ANY UTILITY OR SEWER ABANDONED AS PART OF THE CONSTRUCTION THAT IS NOT BEING FILLED WITH CLSM AS PER PLAN, SHALL BE PLUGGED AS DIRECTED BY THE ENGINEER AND ABANDONED IN PLACE.
- DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR OTHER DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE RESIDENT ENGINEER.

COMMITMENTS

- BUSINESSES SHALL BE INFORMED OF PARKING RESTRICTIONS 48 HOURS PRIOR TO TAKING AFFECT.
- VERTICAL CLEARANCE NEEDS TO BE VERIFIED AFTER CONSTRUCTION IS COMPLETED BY EITHER THE CONTRACTOR OR BUREAU OF CONSTRUCTION. ENGINEER SHALL PROVIDE A COPY OF FORM OPER1306 TO SARAH WILSON, sarah.wilson@illinois.gov.



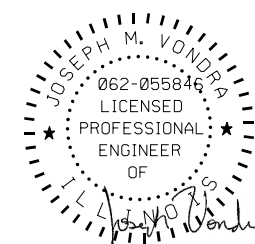
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SEAL EXPIRES: 11/30/2027
SHEETS: 1-18, 21-26, 32, 140-150



DATE: 2/27/2026
SEAL EXPIRES: 11/30/2027
SHEETS: 27-31, 33-41, 151-152



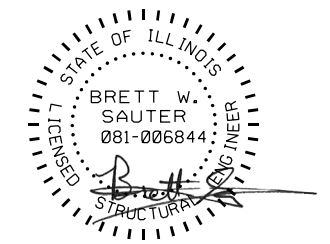
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SHEETS: 19-20, 42-46



DATE: 2/27/2026
SEAL EXPIRES: 11/30/2027
SHEETS: 47-57



DATE: 2/27/2026
SEAL EXPIRES: 11/30/2026
SHEETS: 58-71



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SHEETS: 72-139

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
INDEX, HIGHWAY STANDARDS & GENERAL NOTES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	2
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80% FED / 20% LPA GCPF ELIGIBLE BRIDGE 0008	80% STATE / 20% LPA GCPF ELIGIBLE TRAILS 0028	80% FED / 20% LPA TRAINEES 0042
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	84		84	
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	178		178	
	20101000	TEMPORARY FENCE	FOOT	220		220	
	20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	2		2	
	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	6		6	
	20200100	EARTH EXCAVATION	CU YD	490		490	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	575		575	
	20400800	FURNISHED EXCAVATION	CU YD	1,000		1,000	
	20800150	TRENCH BACKFILL	CU YD	90		90	
	21001000	GEO TECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	181		181	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	6,250		6,250	
△	25000210	SEEDING, CLASS 2A	ACRE	1.5		1.5	
△	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	135		135	
△	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	135		135	
△	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	135		135	
	25100630	EROSION CONTROL BLANKET	SQ YD	6,258		6,258	
	25200200	SUPPLEMENTAL WATERING	UNIT	3.1		3.1	



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
 SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	3
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80% FED / 20% LPA GCPF ELIGIBLE BRIDGE 0008	80% STATE / 20% LPA GCPF ELIGIBLE TRAILS 0028	80% FED / 20% LPA TRAINEES 0042
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	130		130	
	28000305	TEMPORARY DITCH CHECKS	FOOT	100		100	
	28000400	PERIMETER EROSION BARRIER	FOOT	1,255		1,255	
	28000510	INLET FILTERS	EACH	2		2	
	28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	6,258		6,258	
	28100103	STONE RIPRAP, CLASS A2	SQ YD	198		198	
	28200200	FILTER FABRIC	SQ YD	473		473	
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	61		61	
	31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	315		315	
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	848		848	
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1,907		1,907	
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	34		34	
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	143		143	
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	9		9	
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2,712		2,712	
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	75		75	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	70		70	



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
 SUMMARY OF QUANTITIES**

SCALE: SHEET 2 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	4
CONTRACT NO.61M15			ILLINOIS FED. AID PROJECT	

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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80% FED / 20% LPA GCPF ELIGIBLE BRIDGE 0008	80% STATE / 20% LPA GCPF ELIGIBLE TRAILS 0028	80% FED / 20% LPA TRAINEES 0042
	44000600	SIDEWALK REMOVAL	SQ FT	4,886		4,886	
	50200100	STRUCTURE EXCAVATION	CU YD	1,398	1,398		
	50300100	FLOOR DRAINS	EACH	16	16		
	50300225	CONCRETE STRUCTURES	CU YD	682.8	682.8		
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	530.8	530.8		
	50300300	PROTECTIVE COAT	SQ YD	1,566	1,566		
	50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	54.7	54.7		
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	347,520	347,520		
	51200958	FURNISHING METAL SHELL PILES 14" X 0.250"	FOOT	1,001	1,001		
	51202305	DRIVING PILES	FOOT	1,001	1,001		
	51203200	TEST PILE METAL SHELLS	EACH	2	2		
	51500100	NAME PLATES	EACH	1	1		
	52000110	PREFORMED JOINT STRIP SEAL	FOOT	34	34		
	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1,029	1,029		
	52318802	DRAINAGE SYSTEM FOR STRUCTURES	L SUM	1	1		
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1		1	
	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2		2	



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
 SUMMARY OF QUANTITIES**

SCALE: SHEET 3 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	5
CONTRACT NO.61M15			ILLINOIS FED. AID PROJECT	

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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80% FED / 20% LPA GCPF ELIGIBLE BRIDGE 0008	80% STATE / 20% LPA GCPF ELIGIBLE TRAILS 0028	80% FED / 20% LPA TRAINEES 0042
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	15		15	
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	428		428	
	55100300	STORM SEWER REMOVAL 8"	FOOT	44		44	
	55100500	STORM SEWER REMOVAL 12"	FOOT	73		73	
△	56100600	WATER MAIN 6"	FOOT	66		66	
	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	24	24		
	58700300	CONCRETE SEALER	SQ FT	11,149	11,149		
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	34	34		
	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1		1	
	60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	32	32		
	60146305	PIPE UNDERDRAINS FOR STRUCTURES (SPECIAL) 4"	FOOT	16		16	
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4		4	
	60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	5		5	
	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3		3	
	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	1		1	
	60500040	REMOVING MANHOLES	EACH	1		1	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	46		46	



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
 SUMMARY OF QUANTITIES**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	6
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80% FED / 20% LPA GCPF ELIGIBLE BRIDGE 0008	80% STATE / 20% LPA GCPF ELIGIBLE TRAILS 0028	80% FED / 20% LPA TRAINEES 0042
	60605500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (VARIABLE WIDTH GUTTER FLAG)	FOOT	24		24	
	63200310	GUARDRAIL REMOVAL	FOOT	79		79	
△	66400305	CHAIN LINK FENCE, 6'	FOOT	390		390	
△	66402700	CHAIN LINK GATES, 6' X 4' SINGLE	EACH	4		4	
△	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	2,775		2,775	
△	66900530	SOIL DISPOSAL ANALYSIS	EACH	4		4	
△	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1		1	
△	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1		1	
△	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	20		20	
	67100100	MOBILIZATION	L SUM	1		1	
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	400		400	
	70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1		1	
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	112.5		112.5	
	70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	1		1	
△	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2,000		2,000	
△	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	16		16	
△	80400100	ELECTRIC SERVICE INSTALLATION	EACH	2		2	



USER NAME =	DESIGNED - TBH	REVISED -
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PLOT SCALE =	DRAWN - AMS	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
SUMMARY OF QUANTITIES**

SCALE: SHEET 5 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	7
ILLINOIS			FED. AID PROJECT	
			CONTRACT NO. 61M15	

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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80% FED / 20% LPA GCPF ELIGIBLE BRIDGE 0008	80% STATE / 20% LPA GCPF ELIGIBLE TRAILS 0028	80% FED / 20% LPA TRAINEES 0042
△	80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1	
△	81028170	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.	FOOT	130		130	
△	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	350		350	
△	81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	415		415	
△	81100320	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	120		120	
△	81200100	CONDUIT EMBEDDED IN STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	150		150	
△	81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	6		6	
△	81300320	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 8" X 8" X 6"	EACH	2		2	
△	81400100	HANDHOLE	EACH	1		1	
△	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	798		798	
△	81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	2,418		2,418	
△	81702170	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2/0	FOOT	495		495	
△	81702200	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 250MCM	FOOT	945		945	
△	A2000120	TREE, ACER x FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2 1/2" CALIPER, BALLED AND BURLAPPED	EACH	5		5	
△	A2004720	TREE, GLEDITSIA TRICANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2 1/2" CALIPER, BALLED AND BURLAPPED	EACH	4		4	
△	A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	5		5	
△	D2001772	EVERGREEN, PICEA ABIES (NORWAY SPRUCE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	5		5	



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR			
SUMMARY OF QUANTITIES			
SCALE:	SHEET 6	OF 10 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	8
CONTRACT NO. 61M15				
ILLINOIS		FED. AID PROJECT		

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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80% FED / 20% LPA GCPF ELIGIBLE BRIDGE 0008	80% STATE / 20% LPA GCPF ELIGIBLE TRAILS 0028	80% FED / 20% LPA TRAINEES 0042
△	D2001788	EVERGREEN, PICEA ABIES (NORWAY SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	7		7	
△	D2003172	EVERGREEN, PSUEDOTSUGA MENZIESII (DOUGLAS FIR), 6' HEIGHT, BALLED AND BURLAPPED	EACH	6		6	
△	D2003195	EVERGREEN, PSUEDOTSUGA MENZIESII (DOUGLAS FIR), 9' HEIGHT, BALLED AND BURLAPPED	EACH	3		3	
△	D2003872	EVERGREEN, THUJA OCCIDENTALIS TECHNII (TECHNY ARBORVITAE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	9		9	
△	K1001969	GRAVEL MULCH	TON	43		43	
	X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ FT	2,404	2,404		
△	X0326672	PEDESTRIAN BRIDGE LIGHTING SYSTEM	L SUM	1		1	
	X0326806	WASHOUT BASIN	L SUM	1		1	
	X0327777	STAIR AND GRATING SYSTEM	SQ FT	364		364	
	X2800500	INLET PROTECTION (SPECIAL)	EACH	8		8	
	X4421790	CLASS D PATCHES, TYPE II, 12 INCH (SPECIAL)	SQ YD	11		11	
	X5030283	FORM LINER LIMESTONE SURFACE	SQ FT	3,212	3,212		
	X5030290	STAINING CONCRETE STRUCTURES	SQ FT	25,507	25,507		
	X5091725	BICYCLE RAILING (SPECIAL)	FOOT	1,503	1,503		
	X5091730	BRIDGE FENCE RAILING (SPECIAL)	FOOT	654	654		
	X5220092	MECHANICALLY STABILIZED EARTH RETAINING WALL (SPECIAL)	SQ FT	1,027	1,027		
	X5427602	REMOVE EXISTING FLARED END SECTION	EACH	1		1	



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
SUMMARY OF QUANTITIES**

SCALE: SHEET 7 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	9
ILLINOIS			CONTRACT NO.61M15	
FED. AID PROJECT				

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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80% FED / 20% LPA GCPF ELIGIBLE BRIDGE 0008	80% STATE / 20% LPA GCPF ELIGIBLE TRAILS 0028	80% FED / 20% LPA TRAINEES 0042
	X5510012	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	1		1	
△	X5510224	COMBINED SEWER REMOVAL 24"	FOOT	6		6	
△	X5510310	SANITARY SEWER REMOVAL 10"	FOOT	3		3	
△	X5610012	CAP EXISTING WATER MAIN	EACH	1		1	
△	X5610706	WATER MAIN REMOVAL, 6"	FOOT	67		67	
△	X5610748	WATER MAIN LINE STOP 8"	EACH	1		1	
	X6020180	DRAINAGE CONTROL STRUCTURE	EACH	1		1	
	X6020399	CONNECTION TO EXISTING MANHOLE	EACH	1		1	
△	X6022312	DROP SANITARY MANHOLES, WITH TYPE 1 FRAME, CLOSED LID	EACH	1		1	
△	X6022810	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6		6	
△	X6022820	MANHOLES, SANITARY, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3		3	
△	X6026054	SANITARY MANHOLES TO BE REMOVED	EACH	1		1	
	X6640200	TEMPORARY CHAIN LINK FENCE	FOOT	1,730		1,730	
△	X6640298	CHAIN LINK FENCE (SPECIAL)	FOOT	380		380	
△	X6640308	CHAIN LINK GATES (SPECIAL)	EACH	2		2	
△	X6640560	CHAIN LINK FENCE, 6' (SPECIAL)	FOOT	960		960	
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		1	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
SUMMARY OF QUANTITIES

SCALE: SHEET 8 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	10
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80% FED / 20% LPA GCPF ELIGIBLE BRIDGE 0008	80% STATE / 20% LPA GCPF ELIGIBLE TRAILS 0028	80% FED / 20% LPA TRAINEES 0042
	X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	43		43	
△	X7200096	FURNISH AND ERECT SIGN PANEL - LOGO	SQ FT	328		328	
△	X8212031	LUMINAIRE, TYPE A (SPECIAL)	EACH	7		7	
△	X8212032	LUMINAIRE, TYPE B (SPECIAL)	EACH	6		6	
△	X8250505	LIGHTING CONTROLLER (SPECIAL)	EACH	2		2	
△	X8300001	LIGHT POLE (SPECIAL)	EACH	2		2	
△	X8360110	LIGHT POLE FOUNDATION (SPECIAL)	FOOT	58		58	
△	XX003516	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - 8"	EACH	1		1	
△	XX003517	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - 6"	EACH	1		1	
	XX006751	STAIR RAILING	FOOT	242		242	
△	XX007558	GATE VALVE 6" WITH VAULT, 4' DIAMETER	EACH	1		1	
△	XX007788	ORNAMENTAL METAL PANEL	EACH	20		20	
△	XX009135	LIGHT POLE, SPECIAL, TYPE 2	EACH	1		1	
△	XX009528	ABANDON EXISTING SANITARY SEWER, FILL WITH CLSM	FOOT	373		373	
△	XX009742	LIGHT POLE, SPECIAL, TYPE 3	EACH	2		2	
△	XX009743	COMBINED SEWER 24"	FOOT	118		118	
	Z0004002	BOLLARDS	EACH	2		2	



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
SUMMARY OF QUANTITIES**

SCALE: SHEET 9 OF 10 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	11
CONTRACT NO. 61M15			ILLINOIS FED. AID PROJECT	

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SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL	80% FED / 20% LPA GCPF ELIGIBLE BRIDGE 0008	80% STATE / 20% LPA GCPF ELIGIBLE TRAILS 0028	80% FED / 20% LPA TRAINEES 0042
	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	131		131	
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1	
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1	
	Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	45		45	
△	Z0057000	SANITARY SEWER 10"	FOOT	250		250	
△	Z0067500	STEEL CASINGS 16"	FOOT	20		20	
△	Z0068100	STEEL CASINGS 28"	FOOT	23		23	
	Z0076600	TRAINEES	HOOR	1,000			1,000
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOOR	1,000			1,000
	XX009744	STORM SEWER, PVC, 8"	FOOT	23		23	



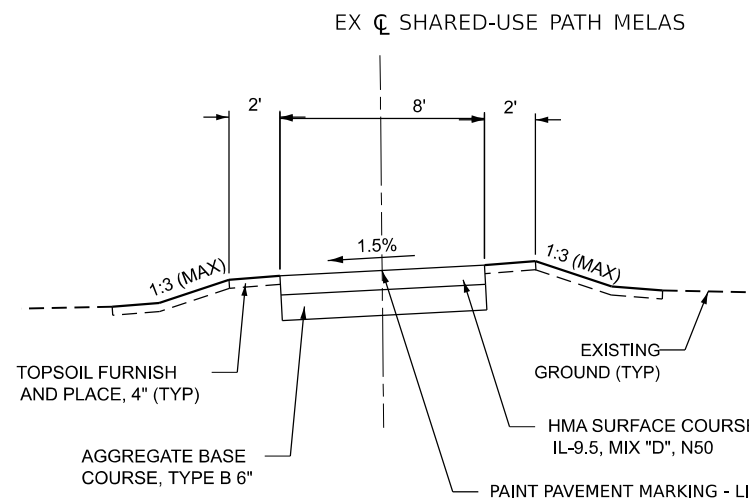
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
 SUMMARY OF QUANTITIES**

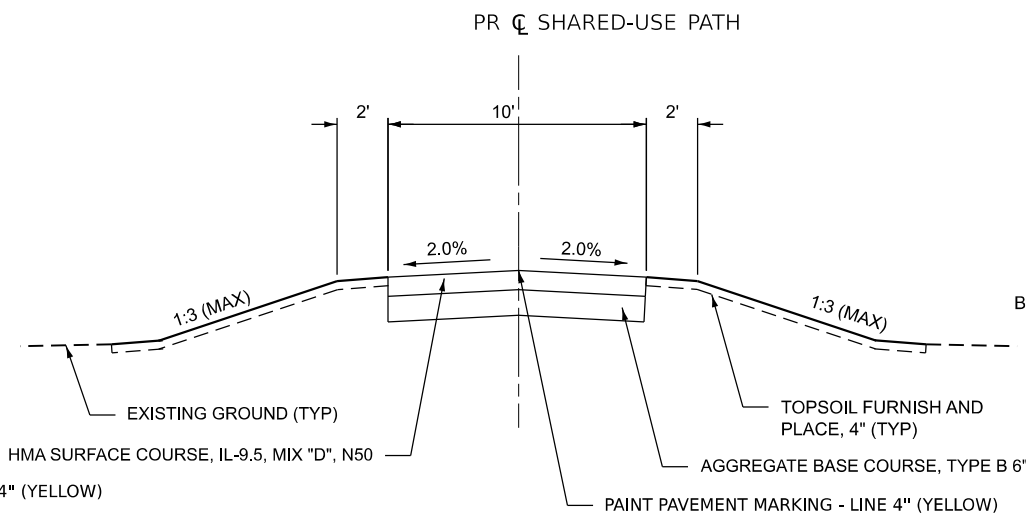
SCALE:	SHEET 10	OF 10	SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	12
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				



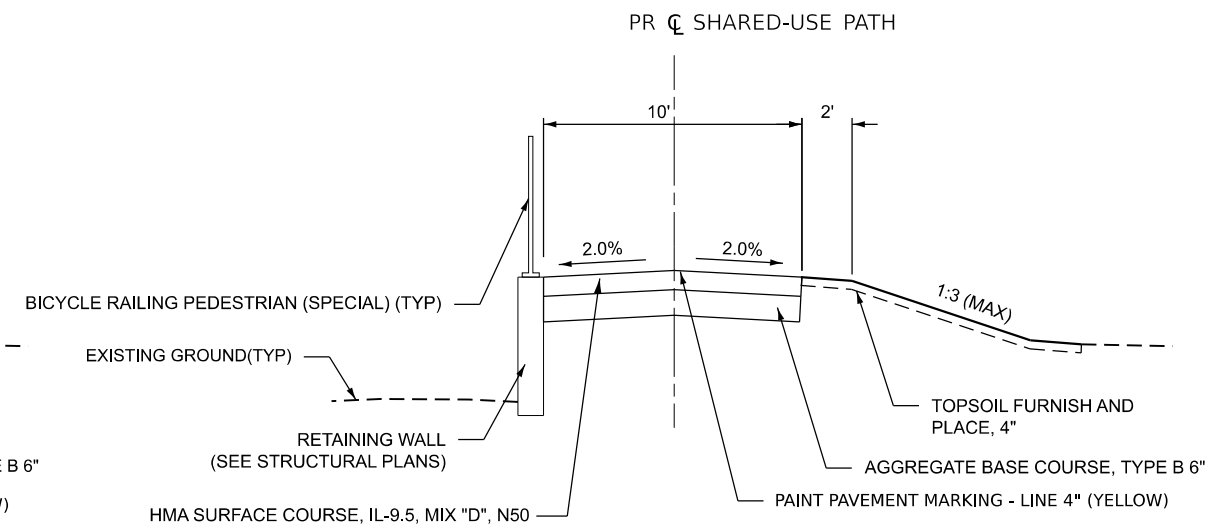
PROPOSED SHARED-USE PATH MELAS

STA 99+60.00 TO STA 103+52.43



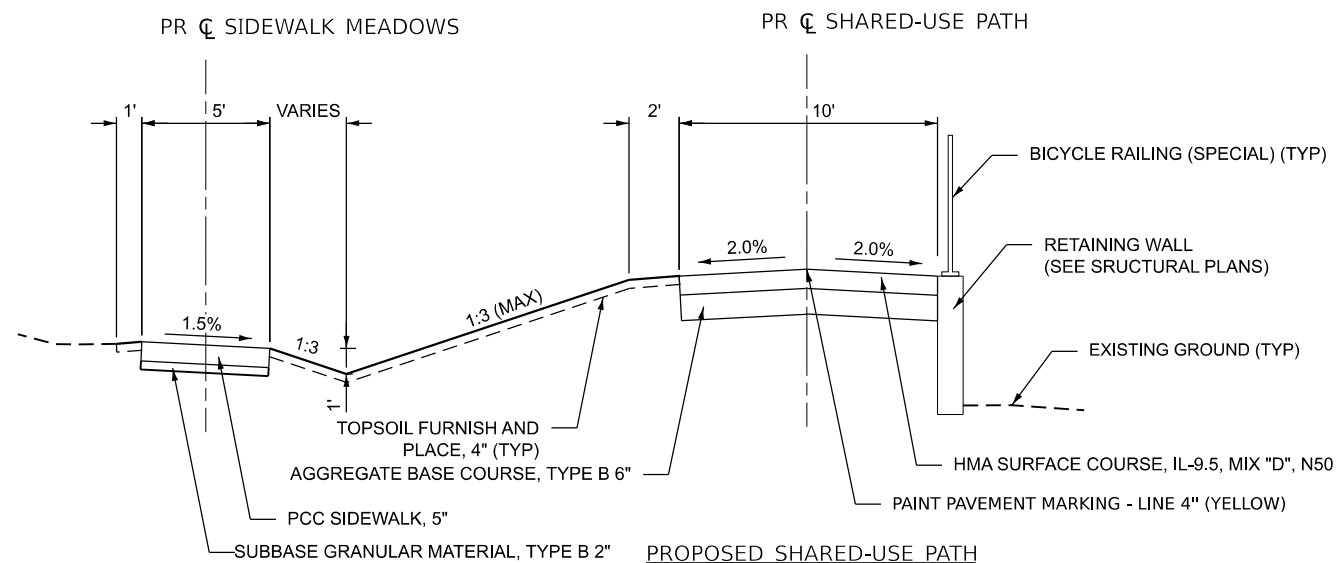
PROPOSED SHARED-USE PATH

STA 1+08.42 TO STA 1+53.00



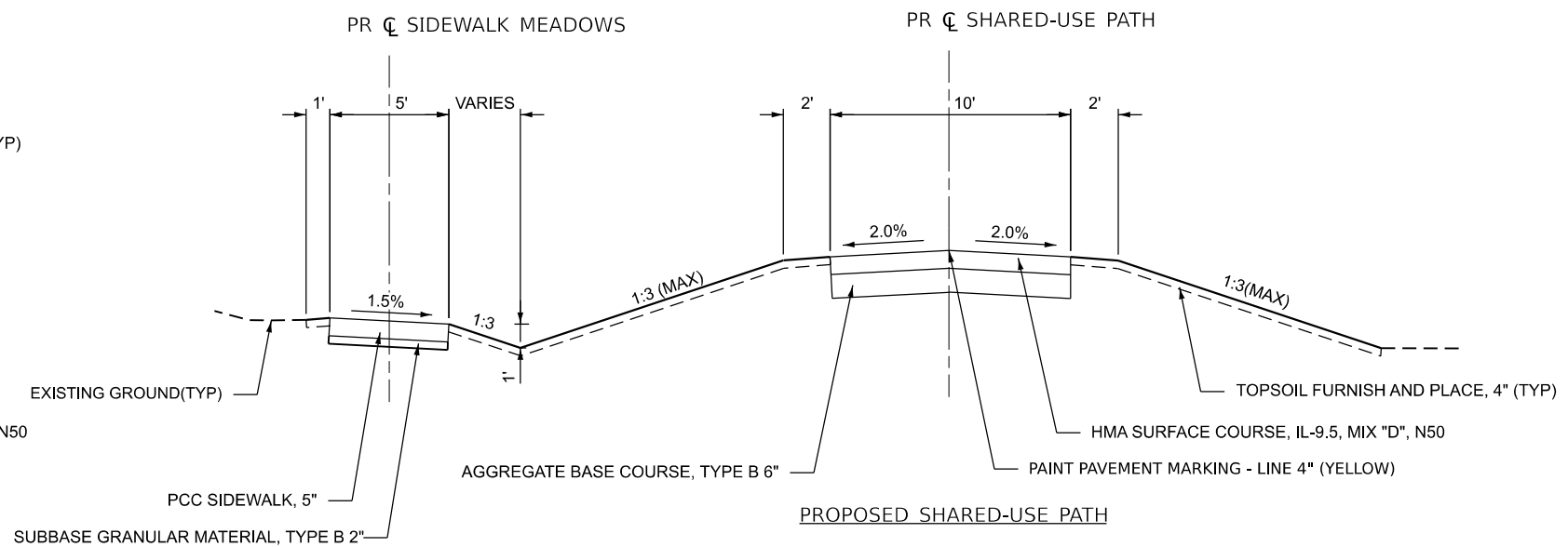
PROPOSED SHARED-USE PATH

STA 1+53.00 TO STA 2+13.84



PROPOSED SHARED-USE PATH

STA 14+15.19 TO STA 14+85.00



PROPOSED SHARED-USE PATH

STA 14+85.00 TO STA 16+25.75

1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

MIXTURE TYPE	PERCENT AIR VOIDS	QMP
SHARED-USE PATH		
HOT-MIX ASPHALT SURFACE COURSE MIX "D" N50 , 3" (2 LIFTS)	4% @ 50 GYR	LR 1030-2
CLASS D PATCHES (SPECIAL)		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 , 2"	4% @ 70 GYR	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 10"	4% @ 70 GYR	LR 1030-2
PAVEMENT REPAIR TO SURFACE		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 , 2"	4% @ 70 GYR	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2.		

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
 TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	13
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

MODEL: \$MODELNAME
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STATION	LENGTH	EARTH EXCAVATION	NON-SPECIAL WASTE DISPOSAL	EARTH EXCAVATION FOR EMBANKMENT ADJUSTED FOR SHRINKAGE (15%) [1]	EMBANKMENT	UNSUITABLE MATERIAL (TOPSOIL REMOVAL AND DISPOSAL)	EARTHWORK BALANCE WASTE () OR SHORTAGE (-) [1]	FURNISHED EXCAVATION	
	(FT)	A (CU YD)	B (CU YD)	C=(A-B)*(1-%) (CU YD)	D (CU YD)	E (CU YD)	F=C-D (CU YD)	G=-F (CU YD)	
MELAS APPROACH									
01+20.0									
01+25.0	5.0	3.1	3.1	2.7	8.4	0.0	-5.8	5.8	
01+50.0	25.0	15.0	15.0	12.8	53.1	0.0	-40.3	40.3	
01+75.0	25.0	14.7	14.7	12.5	68.6	0.0	-56.1	56.1	
02+00.0	25.0	16.8	16.8	14.3	97.0	0.0	-82.7	82.7	
02+25.0	25.0	18.7	18.7	15.9	140.0	0.0	-124.1	124.1	
02+40.0	15.0	11.0	11.0	9.3	72.2	0.0	-62.9	62.9	
MEADOWS APPROACH BRIDGE OMISSION									
13+80.0									
14+00.0	20.0	0.4	0.0	0.4	97.9	20.7	-97.5	97.5	
14+25.0	25.0	0.2	0.0	0.2	208.1	25.9	-207.9	207.9	
14+50.0	25.0	0.1	0.0	0.1	152.9	25.9	-152.8	152.8	
14+75.0	25.0	1.2	0.0	1.0	74.9	25.9	-73.9	73.9	
15+00.0	25.0	1.8	0.0	1.6	28.7	25.9	-27.1	27.1	
15+25.0	25.0	4.2	0.0	3.6	10.0	25.9	-6.4	6.4	
15+50.0	25.0	13.0	0.0	11.0	0.0	25.9	11.0	-11.0	
15+75.0	25.0	24.9	0.0	21.1	0.0	25.9	21.1	-21.1	
16+00.0	25.0	30.6	0.0	26.0	0.0	25.9	26.0	-26.0	
16+15.0	15.0	18.6	0.0	15.8	0.0	15.6	15.8	-15.8	
MELAS PATH RECON									
100+00.0									
100+50.0	50.0	32.5	32.5	27.6	47.6	0.0	-20.0	20.0	
101+00.0	50.0	30.9	30.9	26.3	123.4	0.0	-97.1	97.1	
101+50.0	50.0	35.0	35.0	29.8	148.1	0.0	-118.4	118.4	
102+00.0	50.0	36.5	36.5	31.1	72.3	0.0	-41.3	41.3	
102+50.0	50.0	36.4	36.4	30.9	0.0	0.0	30.9	-30.9	
103+00.0	50.0	39.9	39.9	34.0	0.0	0.0	34.0	-34.0	
103+50.0	50.0	39.8	39.8	33.8	0.1	0.0	33.8	-33.8	
103+52.4	2.4	1.7	1.7	1.5	0.0	0.0	1.5	-1.5	
MEADOWS SIDEWALK									
200+00.0									
200+50.0	50.0	24.4	0.0	20.7	0.0	120.4	20.7	-20.7	
201+00.0	50.0	32.3	0.0	27.5	9.1	120.4	18.4	-18.4	
201+11.0	11.0	2.6	0.0	2.2	6.0	26.4	-3.8	3.8	
STRUCTURAL EXCAVATION									
			1870.0						
STORM SEWER EXCAVATION									
			195.0						
LIGHTING EXCAVATION									
			18.0						
AGG SUBGRADE IMPROVEMENT									
						61.0			
INCIDENTAL EXCAVATION IN IDOT ROW									
			355.0						
TOTAL									
		490.0	2,775.0	415.0	1,420.0	575.0	-1,000.0	1,000.0	

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 3"			
LOCATION			
STATION	STATION	L/R	TON
01+08.42	02+29.04	CL	23.4
99+60.00	103+64.80	CL	77.0
BRIDGE OMISSION			
13+99.75	16+15.87	CL	42.0
ROUNDED TOTAL			143

PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH			
LOCATION			
STATION	STATION	L/R	SQ FT
09+15.50	09+20.53	CL	341.8
16+15.90	16+25.90	CL	430.0
103+19.00	103+26.75	LT	80.0
200+00.00	203+69.16	CL	1860.0
ROUNDED TOTAL			2,712

AGGREGATE BASE COURSE, TYPE B, 6"			
LOCATION			
STATION	STATION	L/R	SQ YD
01+08.42	02+29.04	CL	139.3
99+60.00	103+64.80	CL	458.2
BRIDGE OMISSION			
13+99.75	16+15.87	CL	249.8
ROUNDED TOTAL			848

SUBBASE GRANULAR MATERIAL, TYPE B, 2"			
LOCATION			
STATION	STATION	L/R	SQ YD
Northwest Highway CC&G			
09+15.50	09+20.53	CL	5.6
16+15.90	16+25.90	CL	47.8
103+19.00	103+26.75	LT	8.9
200+00.00	203+69.16	CL	206.7
Prospect CC&G			
Meadows Parking CC&G			
ROUNDED TOTAL			315

CLASS D PATCHES, TYPE II, 12 INCH (SPECIAL)			
LOCATION			
STATION	STATION	L/R	SQ YD
09+05.75	09+09.75	RT	10.6
ROUNDED TOTAL			11

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (VARIABLE WIDTH)				
LOCATION				
STATION	L/R	STATION	L/R	FOOT
09+09.75	35.0 RT	09+09.84	54.9 RT	23.9
ROUNDED TOTAL				24



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

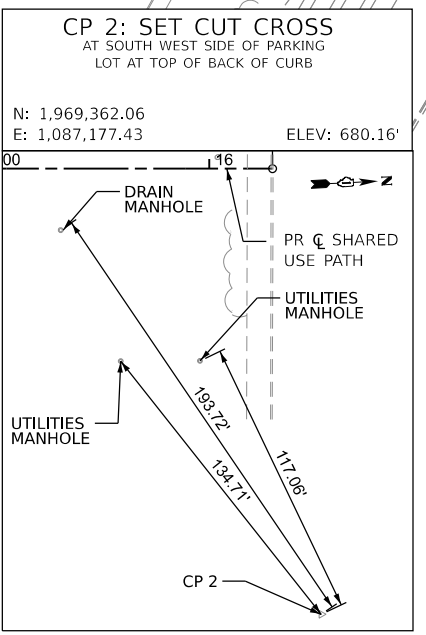
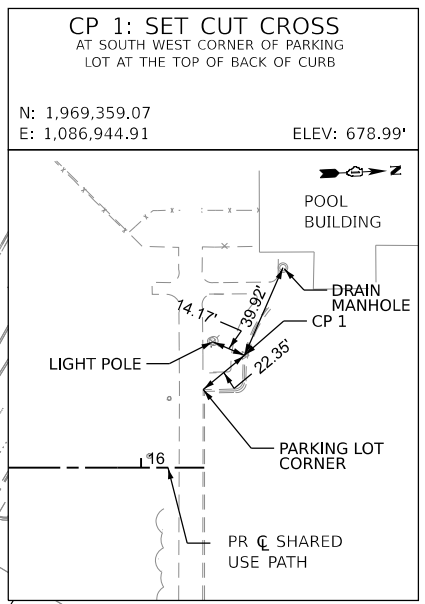
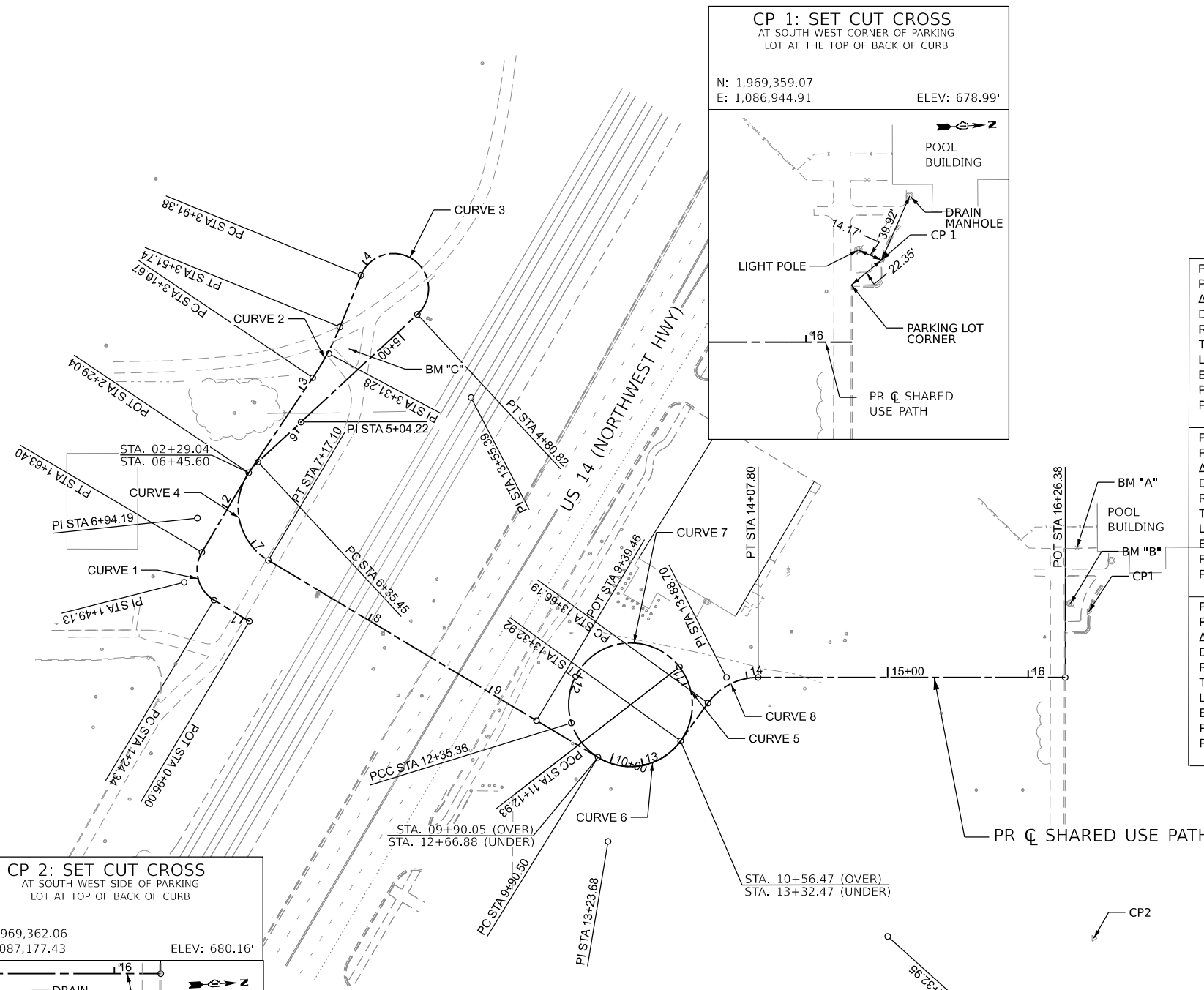
MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
 SCHEDULE OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	14
CONTRACT NO.61M15				
ILLINOIS FED. AID PROJECT				

PROJECT ALIGNMENTS

SHARED-USE PATH - PROPOSED ALIGNMENT			
DESCRIPTION	STATION	NORTHING	EASTING
P.O.T	0+95.00	1,968,761.61	1,086,950.17
P.C.	1+24.34	1,968,736.50	1,086,934.99
P.I.	1+49.13	1,968,725.18	1,086,919.68
P.T.	1+63.40	1,968,727.93	1,086,900.84
P.O.T	2+29.04	1,968,761.42	1,086,844.39
P.C.	3+10.67	1,968,807.20	1,086,776.80
P.I.	3+31.28	1,968,818.76	1,086,759.74
P.T.	3+51.74	1,968,826.60	1,086,740.68
P.C.	3+91.38	1,968,841.67	1,086,704.02
P.T.	4+80.82	1,968,881.74	1,086,731.91
P.I.	5+04.22	1,968,865.07	1,086,747.27
P.C.	6+35.45	1,968,768.03	1,086,836.71
P.I.	6+94.19	1,968,724.84	1,086,876.52
P.T.	7+17.10	1,968,775.18	1,086,906.78
P.O.T	9+39.46	1,968,965.76	1,087,021.33
P.C.	9+90.50	1,969,009.50	1,087,047.63
P.C.C	11+12.93	1,969,067.62	1,086,983.44
P.I.	12+32.95	1,969,215.66	1,087,175.91
P.C.C	12+35.36	1,968,990.66	1,087,023.11
P.I.	13+23.68	1,969,016.45	1,087,107.58
P.T.	13+32.92	1,969,068.35	1,087,036.10
P.I.	13+55.39	1,968,919.84	1,086,791.23
P.C	13+66.19	1,969,087.89	1,087,009.19
P.I.	13+88.70	1,969,101.11	1,086,991.04
P.T.	14+07.80	1,969,123.62	1,086,991.04
P.O.T.	16+26.38	1,969,342.21	1,086,991.65



PR CURVE 1	PR CURVE 2	PR CURVE 3
PI STA = 1+49.13	PI STA = 3+31.28	PI STA = 5+04.22
$\Delta = 89^{\circ}31'32''$ (RT)	$\Delta = 11^{\circ}45'55''$ (LT)	$\Delta = 204^{\circ}59'06''$ (RT)
D = 229'10'59"	D = 28'38'52"	D = 229'10'59"
R = 25.00'	R = 200.00'	R = 25.00'
T = 24.79'	T = 20.61'	T = 112.84'
L = 39.06'	L = 41.07'	L = 89.44'
E = 10.21'	E = 1.06'	E = 90.57'
PC STA = 1+24.34	PC STA = 3+10.67	PC STA = 3+91.38
PT STA = 1+63.40	PT STA = 3+51.74	PT STA = 4+80.82
PR CURVE 4	PR CURVE 5	PR CURVE 6
PI STA = 6+94.19	PI STA = 12+32.95	PI STA = 13+23.68
$\Delta = 106^{\circ}19'26''$ (LT)	$\Delta = 159^{\circ}25'41''$ (LT)	$\Delta = 127^{\circ}01'57''$ (LT)
D = 130'13'03"	D = 130'13'03"	D = 130'13'03"
R = 44.00'	R = 44.00'	R = 44.00'
T = 58.73'	T = 242.45'	T = 88.31'
L = 81.65'	L = 122.43'	L = 97.55'
E = 29.39'	E = 202.41'	E = 54.67'
PC STA = 6+35.45	PC STA = 9+90.50	PC STA = 12+35.36
PT STA = 7+17.10	PT STA = 11+12.93	PT STA = 13+32.92
PR CURVE 7	PR CURVE 8	
PI STA = 13+55.39	PI STA = 13+88.70	
$\Delta = 159^{\circ}25'41''$ (LT)	$\Delta = 54^{\circ}10'28''$ (RT)	
D = 130'13'03"	D = 130'13'04"	
R = 44.00'	R = 44.00'	
T = 242.45'	T = 22.50'	
L = 122.43'	L = 41.60'	
E = 202.41'	E = 5.42'	
PC STA = 11+12.93	PC STA = 13+66.19	
PT STA = 12+35.36	PT STA = 14+07.80	

BENCHMARKS:		ELEV.
BM "A"	SET MARK AT SOUTH FLAG BOLT OF HYDRANT AT SOUTHWEST PARKING LOT IN FRONT OF POOL BUILDING	680.83'
BM "B"	MARK "X" AT SOUTH FACE OF CONCRETE LIGHT POLE FOUNDATION AT SOUTH EAST CORNER OF POOL BUILDING.	680.40'
BM "C"	MWRD MONUMENT APPROXIMATELY 40' NORTH OF PROPOSED PIER 11. (SEE STRUCTURAL PLANS FOR PIER NUMBERS)	678.04'

- NOTES:**
- ALL COORDINATES SHOWN ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, MAP COORDINATES REFLECT NAD 83 (2011 ADJUSTMENT)
 - ALL COORDINATE VALUES SHOWN ARE IN THE U.S. SURVEY FOOT UNITS.
 - ELEVATIONS REFLECT THE NAVD 88 (GEOID12A ADJUSTMENT).
 - SOME OR ALL OF THE CONTROL POINTS AND BENCHMARKS MAY BE DESTROYED DURING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND RELOCATE THESE OUTSIDE OF THE CONSTRUCTION LIMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

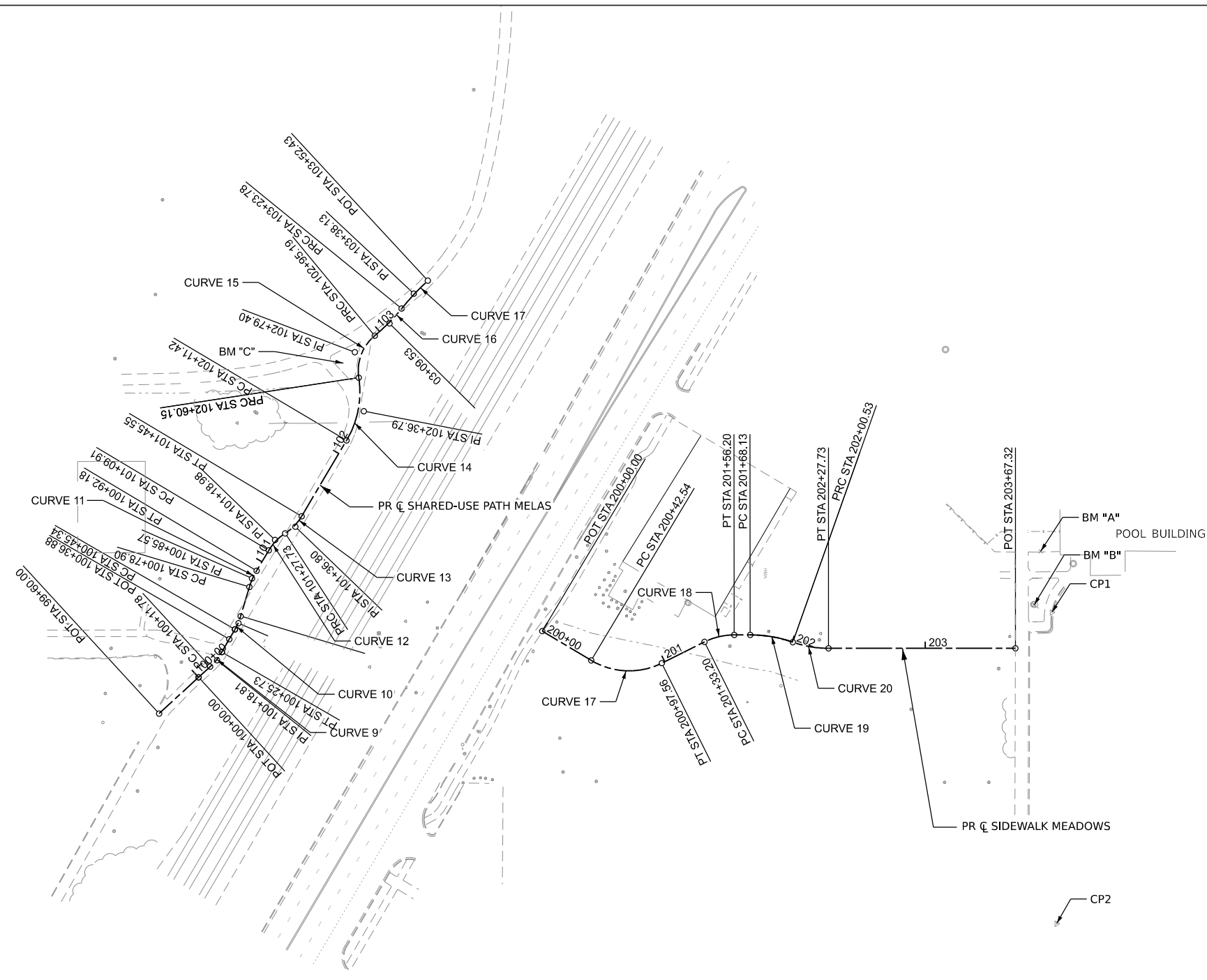
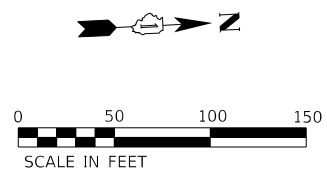
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR ALIGNMENT, TIES, & BENCHMARKS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: 1"=50'	SHEET 1 OF 2 SHEETS	3512	21-00174-00-BR	COOK	154	15
STATIONING: STA. 15+95.00 TO STA. 30+95.00		CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT						



PR CURVE 9 PI STA = 100+18.81 $\Delta = 17^{\circ}22'23''$ (LT) $D = 124^{\circ}33'22''$ $R = 46.00'$ $T = 7.03'$ $L = 13.95'$ $E = 0.53'$ PC STA = 100+11.78 PT STA = 100+25.73	PR CURVE 10 PI STA = 100+50.69 $\Delta = 13^{\circ}16'29''$ (LT) $D = 124^{\circ}33'22''$ $R = 46.00'$ $T = 5.35'$ $L = 10.66'$ $E = 0.31'$ PC STA = 100+45.34 PT STA = 100+55.99	PR CURVE 11 PI STA = 100+85.57 $\Delta = 14^{\circ}05'51''$ (RT) $D = 106^{\circ}06'12''$ $R = 54.00'$ $T = 6.68'$ $L = 13.29$ $E = 0.41'$ PC STA = 100+78.90 PT STA = 100+92.18
PR CURVE 12 PI STA = 101+18.98 $\Delta = 26^{\circ}10'07''$ (RT) $D = 146^{\circ}54'44''$ $R = 39.00'$ $T = 9.06'$ $L = 17.81$ $E = 1.04'$ PC STA = 101+09.91 PT STA = 101+27.73	PR CURVE 13 PI STA = 101+36.80 $\Delta = 26^{\circ}11'05''$ (LT) $D = 146^{\circ}54'44''$ $R = 39.00'$ $T = 9.07'$ $L = 17.82'$ $E = 1.04'$ PC STA = 101+27.73 PT STA = 101+45.55	PR CURVE 14 PI STA = 102+36.79 $\Delta = 39^{\circ}19'22''$ (LT) $D = 80^{\circ}41'54''$ $R = 71.00'$ $T = 25.37'$ $L = 48.73'$ $E = 4.40'$ PC STA = 102+11.42 PT STA = 102+60.15
PR CURVE 15 PI STA = 102+79.40 $\Delta = 59^{\circ}02'18''$ (RT) $D = 168^{\circ}31'01''$ $R = 34.00'$ $T = 19.25'$ $L = 35.03$ $E = 5.07'$ PC STA = 102+60.15 PT STA = 102+95.19	PR CURVE 16 PI STA = 103+09.53 $\Delta = 11^{\circ}13'10''$ (LT) $D = 39^{\circ}14'37''$ $R = 146.00'$ $T = 14.34'$ $L = 28.59'$ $E = 0.70'$ PC STA = 102+95.19 PT STA = 103+23.78	PR CURVE 17 PI STA = 103+38.13 $\Delta = 08^{\circ}02'57''$ (RT) $D = 28^{\circ}05'10''$ $R = 204.00'$ $T = 14.35'$ $L = 28.66$ $E = 0.50'$ PC STA = 103+23.78 PT STA = 103+62.43

PR CURVE 17 PI STA = 200+72.60 $\Delta = 57^{\circ}18'54''$ (LT) $D = 104^{\circ}10'27''$ $R = 55.00'$ $T = 30.06'$ $L = 55.02'$ $E = 7.68'$ PC STA = 200+42.54 PT STA = 200+97.56	PR CURVE 18 PI STA = 201+44.91 $\Delta = 26^{\circ}20'59''$ (RT) $D = 114^{\circ}35'30''$ $R = 50.00'$ $T = 11.70'$ $L = 22.99$ $E = 1.35'$ PC STA = 201+33.20 PT STA = 201+56.20
PR CURVE 19 PI STA = 201+84.49 $\Delta = 19^{\circ}32'42''$ (RT) $D = 60^{\circ}18'41''$ $R = 95.00'$ $T = 16.36'$ $L = 32.41$ $E = 1.40'$ PC STA = 201+68.13 PT STA = 202+00.53	PR CURVE 20 PI STA = 202+14.26 $\Delta = 19^{\circ}28'32''$ (LT) $D = 71^{\circ}37'11''$ $R = 80.00'$ $T = 13.73'$ $L = 27.19'$ $E = 1.17'$ PC STA = 202+00.53 PT STA = 202+27.73

BENCHMARKS:		ELEV.
BM "A"	SET MARK AT SOUTH FLAG BOLT OF HYDRANT AT SOUTH WEST PARKING LOT IN FRONT OF POOL BUILDING	680.83'
BM "B"	MARK " " AT SOUTH FACE OF CONCRETE LIGHT POLE FOUNDATION AT SOUTH EAST CORNER OF POOL BUILDING.	680.40'
BM "C"	MWRD MONUMENT APPROXIMATELY 40' NORTH OF PROPOSED PIER 11.	678.04'

- NOTES:**
- ALL COORDINATES SHOWN ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, MAP COORDINATES REFLECT NAD 83 (2011 ADJUSTMENT)
 - ALL COORDINATE VALUES SHOWN ARE IN THE U.S. SURVEY FOOT UNITS.
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 - SOME OR ALL OF THE CONTROL POINTS AND BENCHMARKS MAY BE DESTROYED DURING CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND RELOCATE THESE OUTSIDE OF THE CONSTRUCTION LIMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

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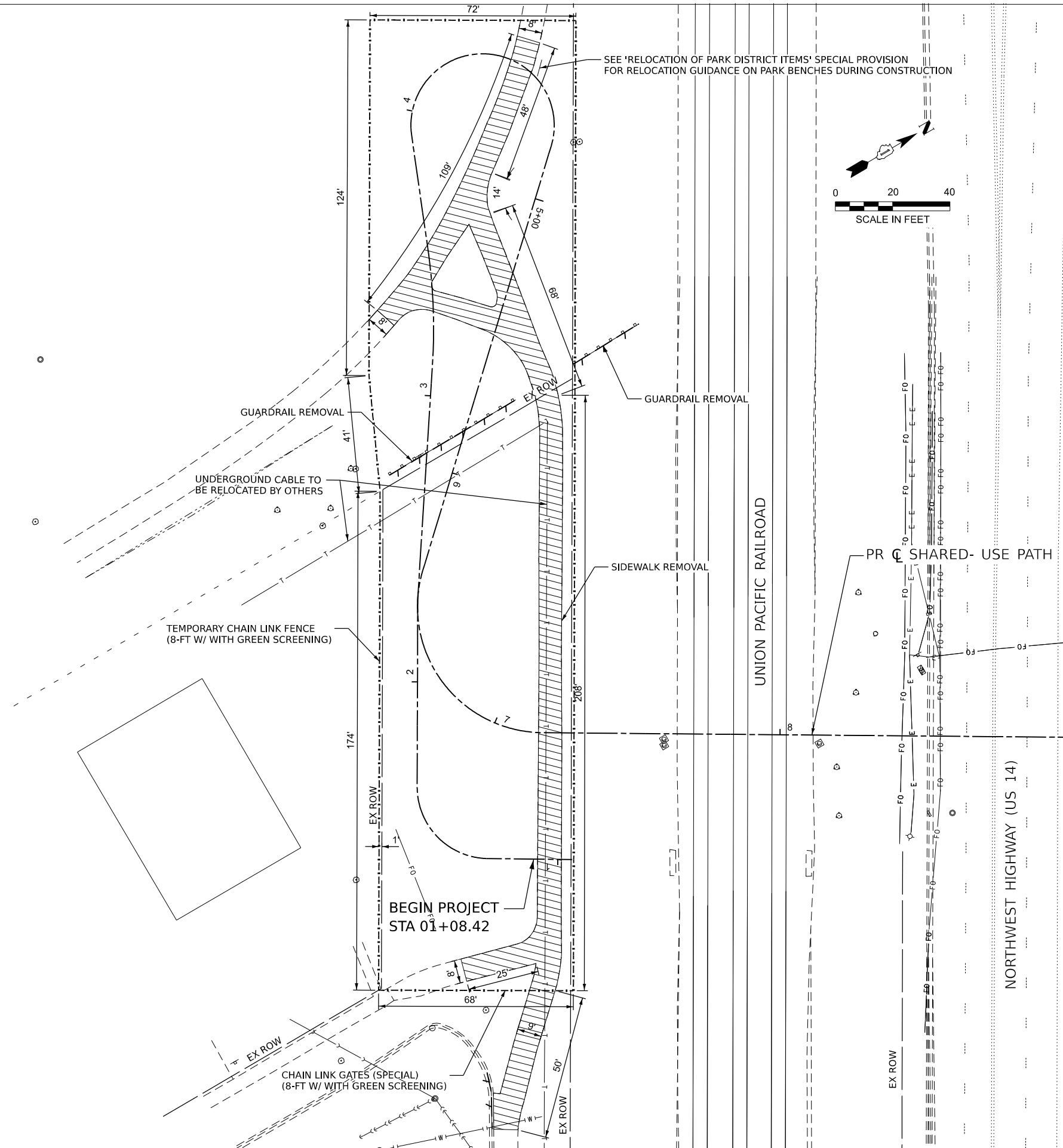
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR ALIGNMENT, TIES, & BENCHMARKS	
SCALE: 1"=50'	SHEET 2 OF 2 SHEETS
STA. 15+95.00	TO STA. 30+95.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	16
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

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SEE 'RELOCATION OF PARK DISTRICT ITEMS' SPECIAL PROVISION FOR RELOCATION GUIDANCE ON PARK BENCHES DURING CONSTRUCTION

MATCHLINE STA. 9+00.00
 SEE SHEET:18

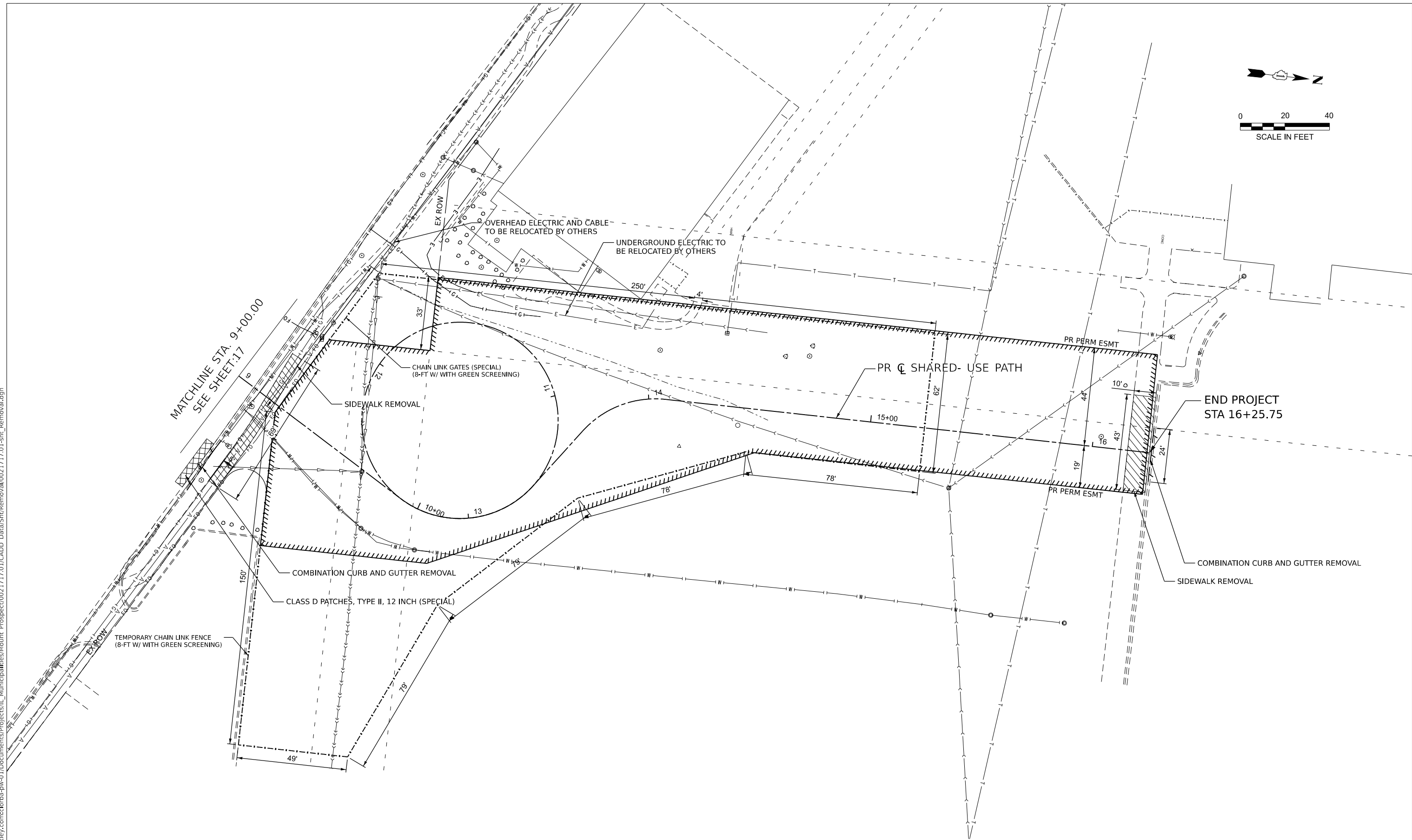
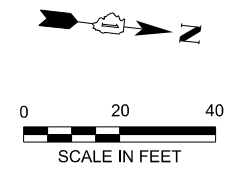
NOTE: SEE TREE PRESERVATION PLANS FOR TREE REMOVAL PLANS.



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
EXISTING CONDITIONS AND REMOVAL PLAN		3512	21-00174-00-BR	COOK	154	17
SCALE: 1"=20'		SHEET 1 OF 2 SHEETS		STA. 0+95.00 TO STA. 9+00.00		CONTRACT NO.61M15
						ILLINOIS FED. AID PROJECT



NOTE: SEE TREE PRESERVATION PLANS FOR TREE REMOVAL PLANS.

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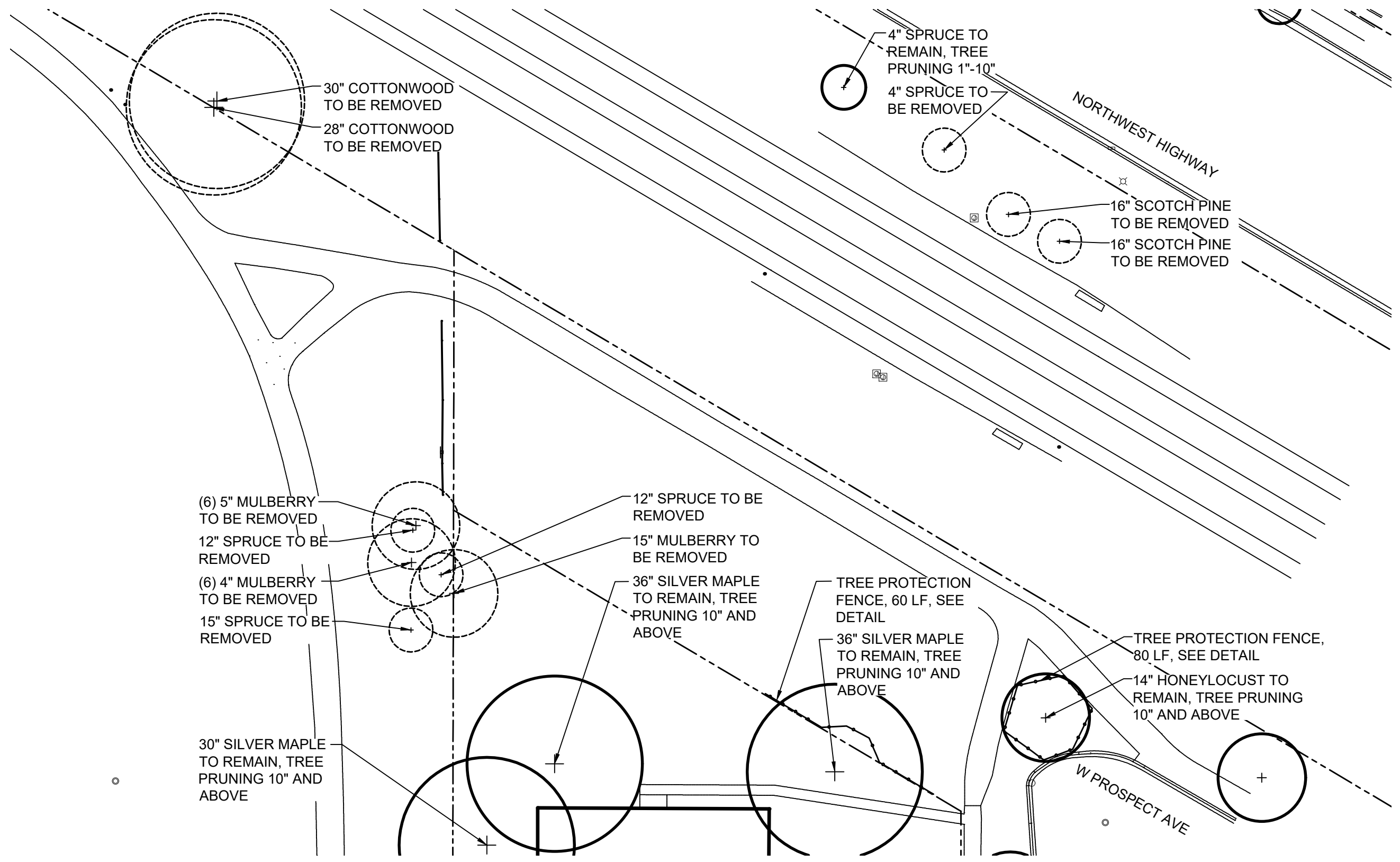
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 P 773.775.4009 | www.ciorba.com

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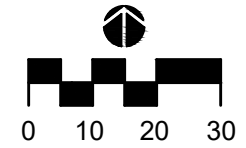
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR EXISTING CONDITIONS AND REMOVAL PLAN	
SCALE: 1"=20'	SHEET 2 OF 2 SHEETS
STA. 9+00.00	TO STA. 16+15.87

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	18
CONTRACT NO.61M15				
ILLINOIS		FED. AID PROJECT		



1 MELAS PARK TREE SURVEY
 SCALE: 1" = 30'-0"



DANIEL WEINBACH & PARTNERS, LTD.
 LANDSCAPE ARCHITECTS
 1142 W. Madison Street, Suite 206, Chicago, IL 60607

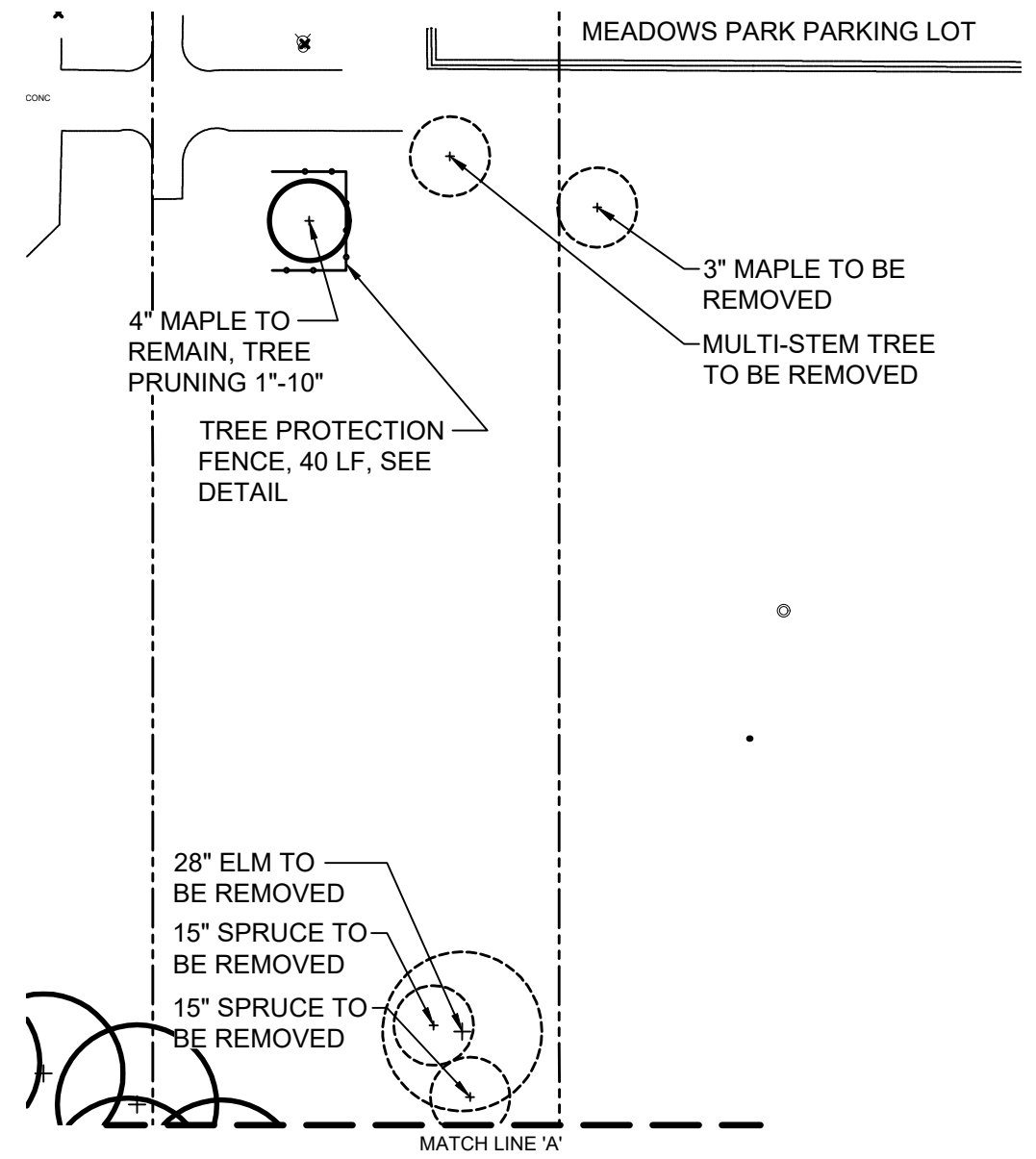
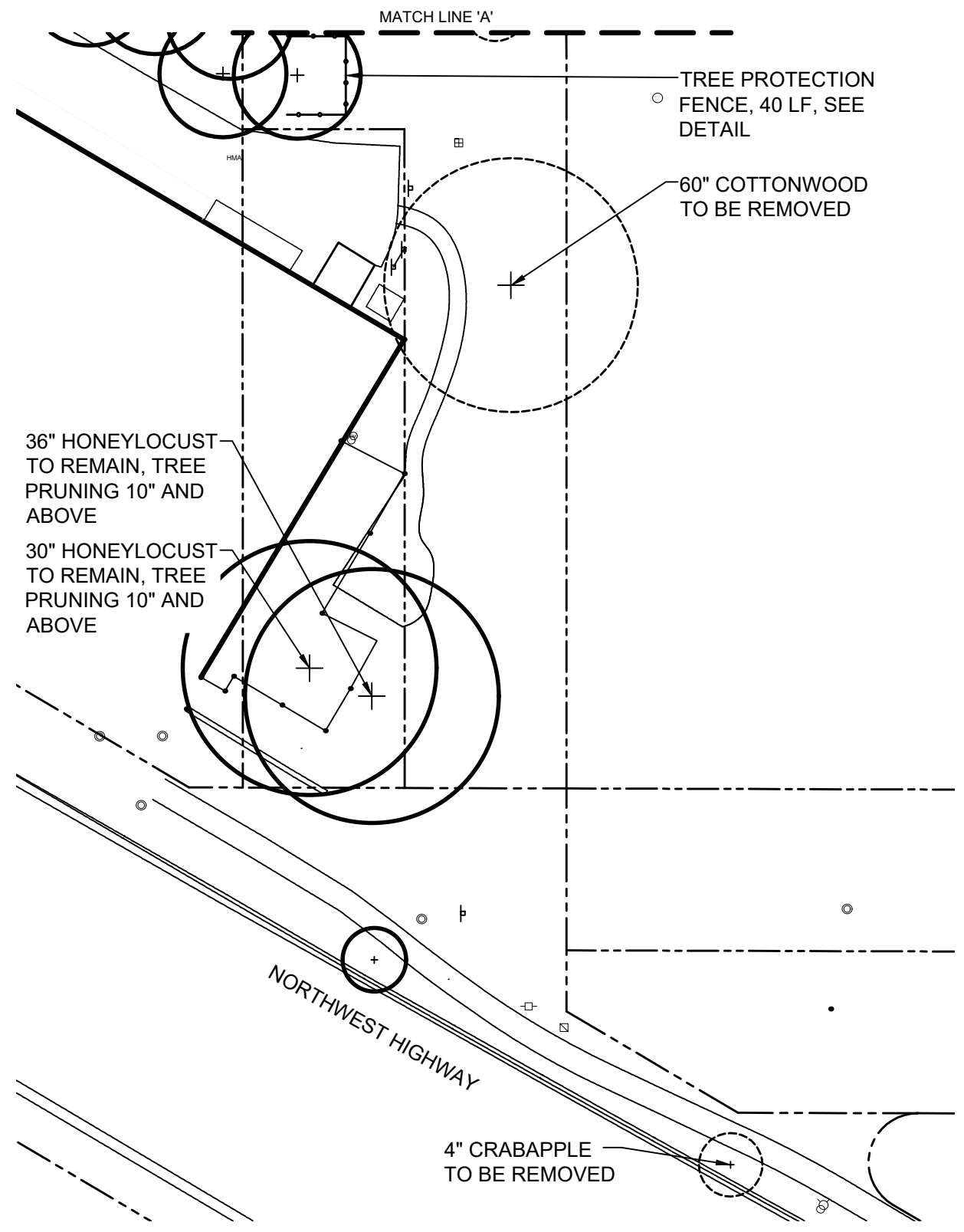
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

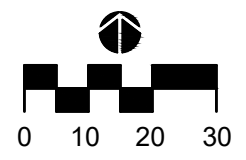
**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
 MELAS PARK TREE PRESERVATION PLAN**

SHEET 1 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	19
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



1 MEADOWS PARK TREE SURVEY
SCALE: 1" = 30'-0"



DANIEL WEINBACH & PARTNERS, LTD.
LANDSCAPE ARCHITECTS
1142 W. Madison Street, Suite 206, Chicago, IL 60607

USER NAME =	DESIGNED - BF	REVISED -
	CHECKED - WS	REVISED -
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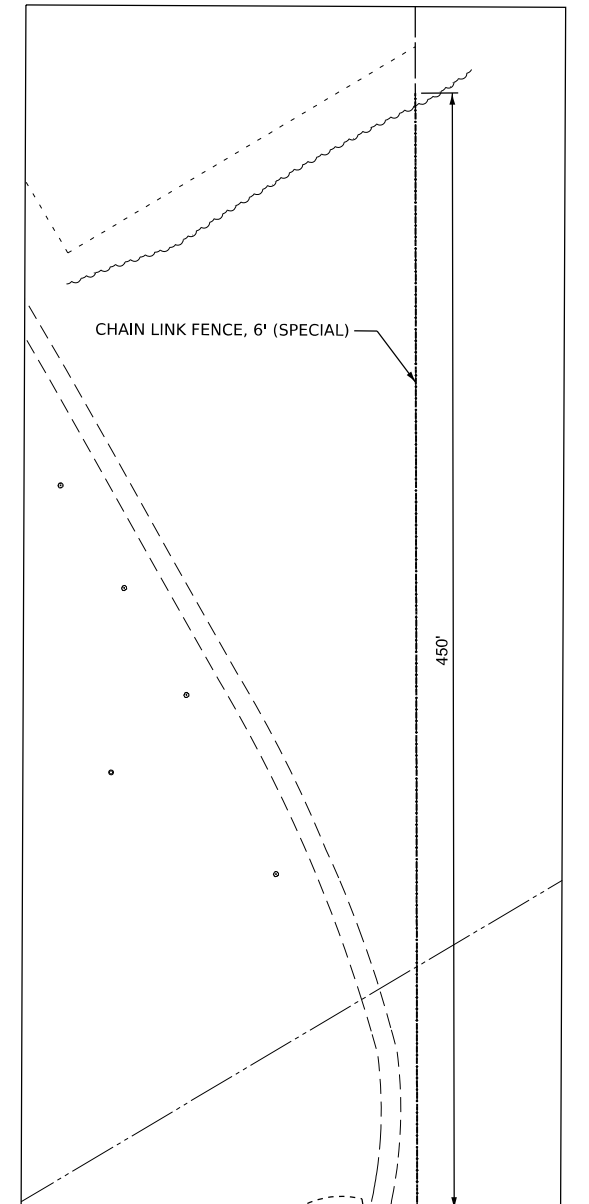
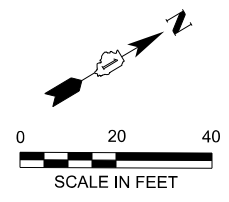
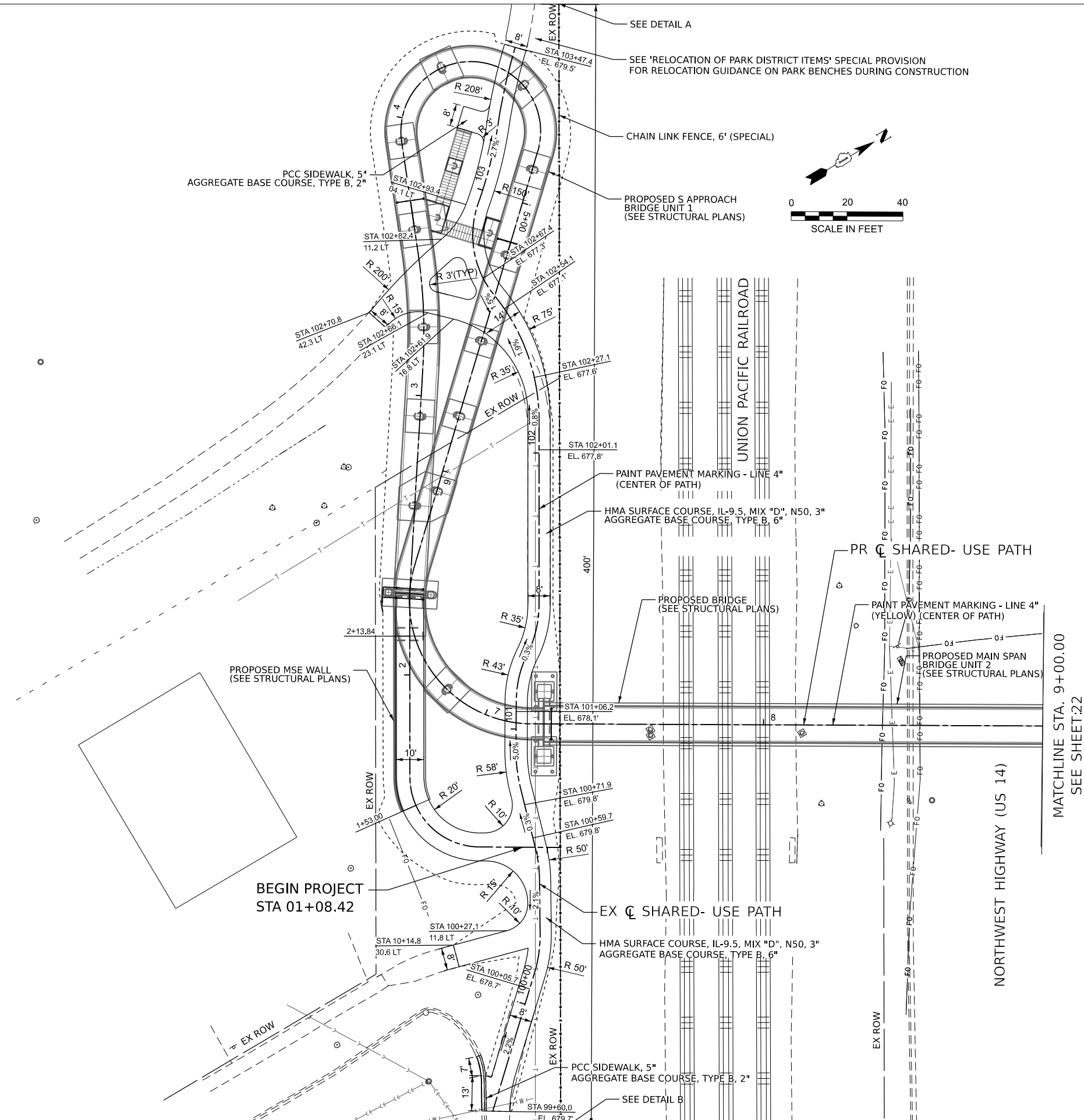
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
MEADOWS PARK TREE PRESERVATION PLAN**

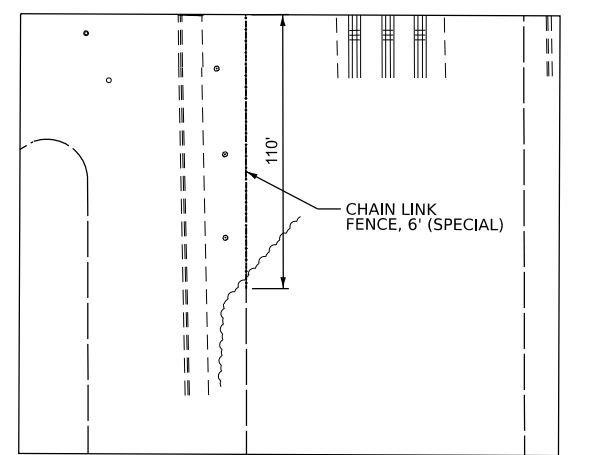
SHEET 2 OF 7 SHEETS

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3512	COOK	154	20
CONTRACT NO.			
ILLINOIS FED. AID PROJECT			

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DETAIL A
(NOT TO SCALE)



DETAIL B
(NOT TO SCALE)



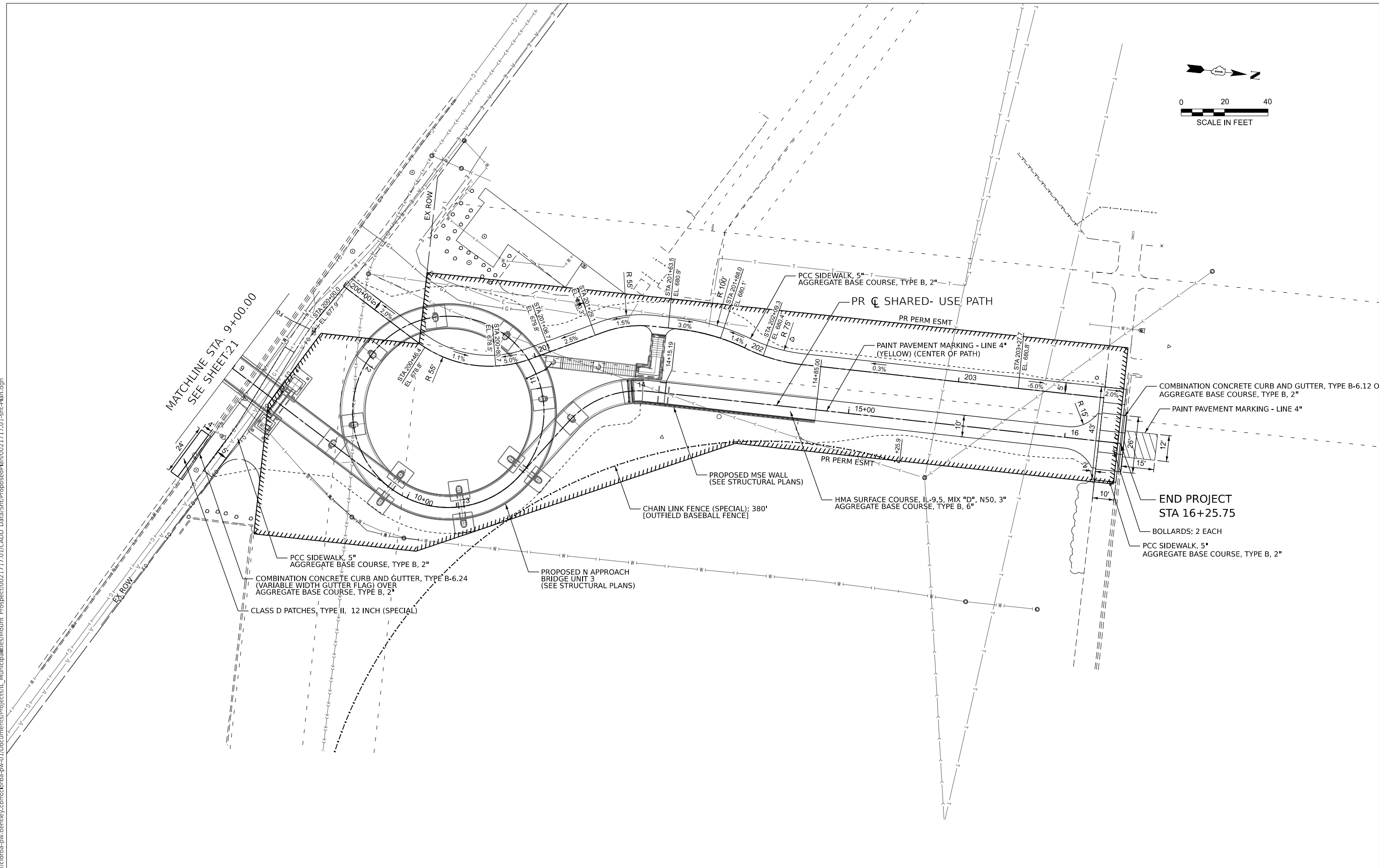
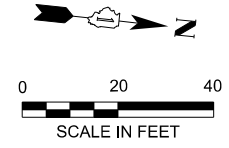
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PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
 PROPOSED SHARED-USE PATH PLAN

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 0+95.00 TO STA. 6+95.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	21
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				



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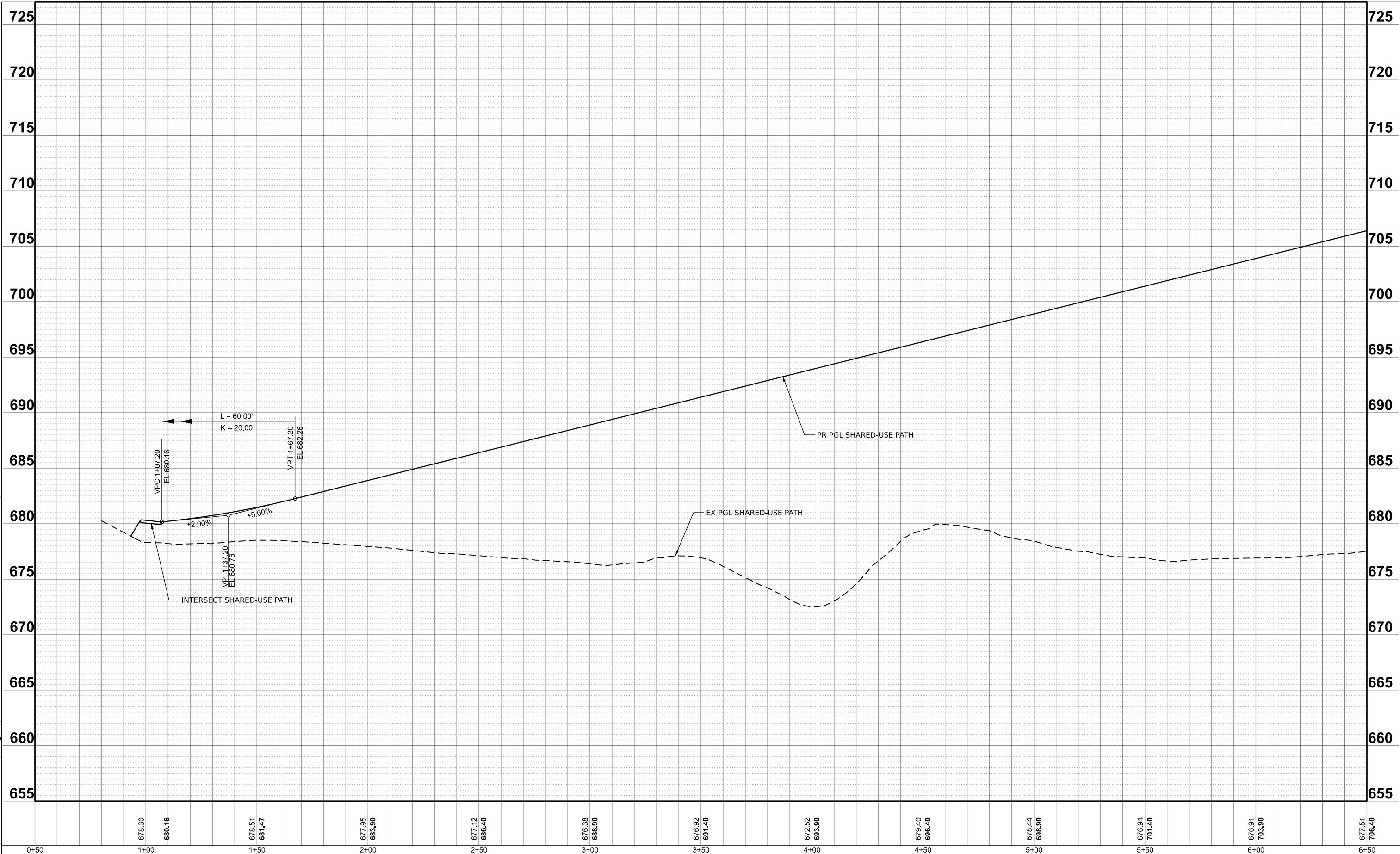
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR PROPOSED SHARED-USE PATH PLAN	
SCALE: 1"=20'	SHEET 2 OF 2 SHEETS
STA. 12+95.00	TO STA. 18+95.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	22
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

PROFILE	SURVEYED	DATE



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

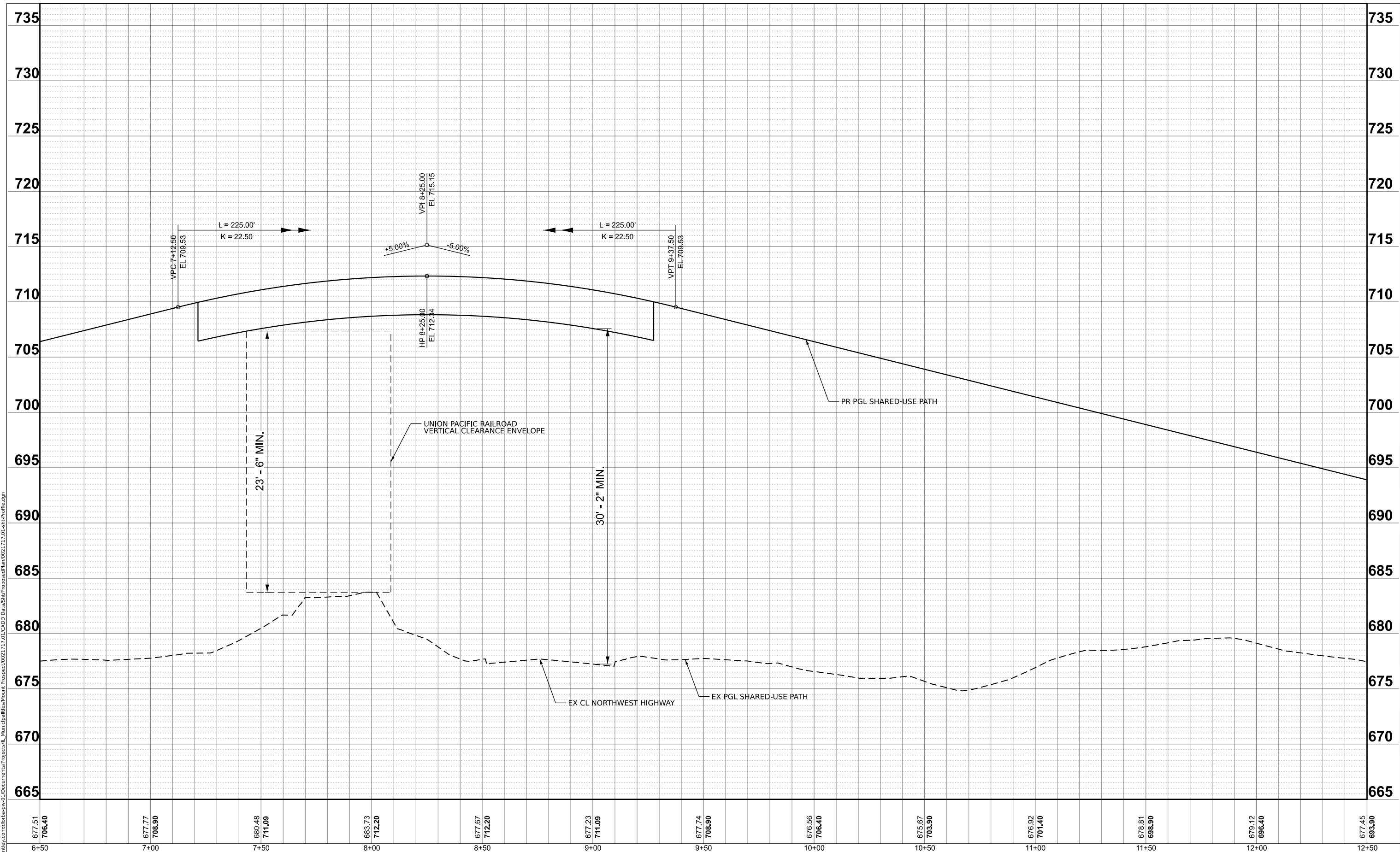
MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
 PROPOSED SHARED-USE PATH PROFILE

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 0+50.00 TO STA. 6+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	23
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

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BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADIS CHECKED	
NOTE BOOK	
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STRUCTURE NOTATION	

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677.51 706.40	677.77 708.90	680.48 711.09	683.73 712.20	677.67 712.20	677.23 711.09	677.74 708.90	676.56 706.40	675.67 703.90	676.92 701.40	678.81 698.90	679.12 696.40	677.45 693.90
6+50	7+00	7+50	8+00	8+50	9+00	9+50	10+00	10+50	11+00	11+50	12+00	12+50

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

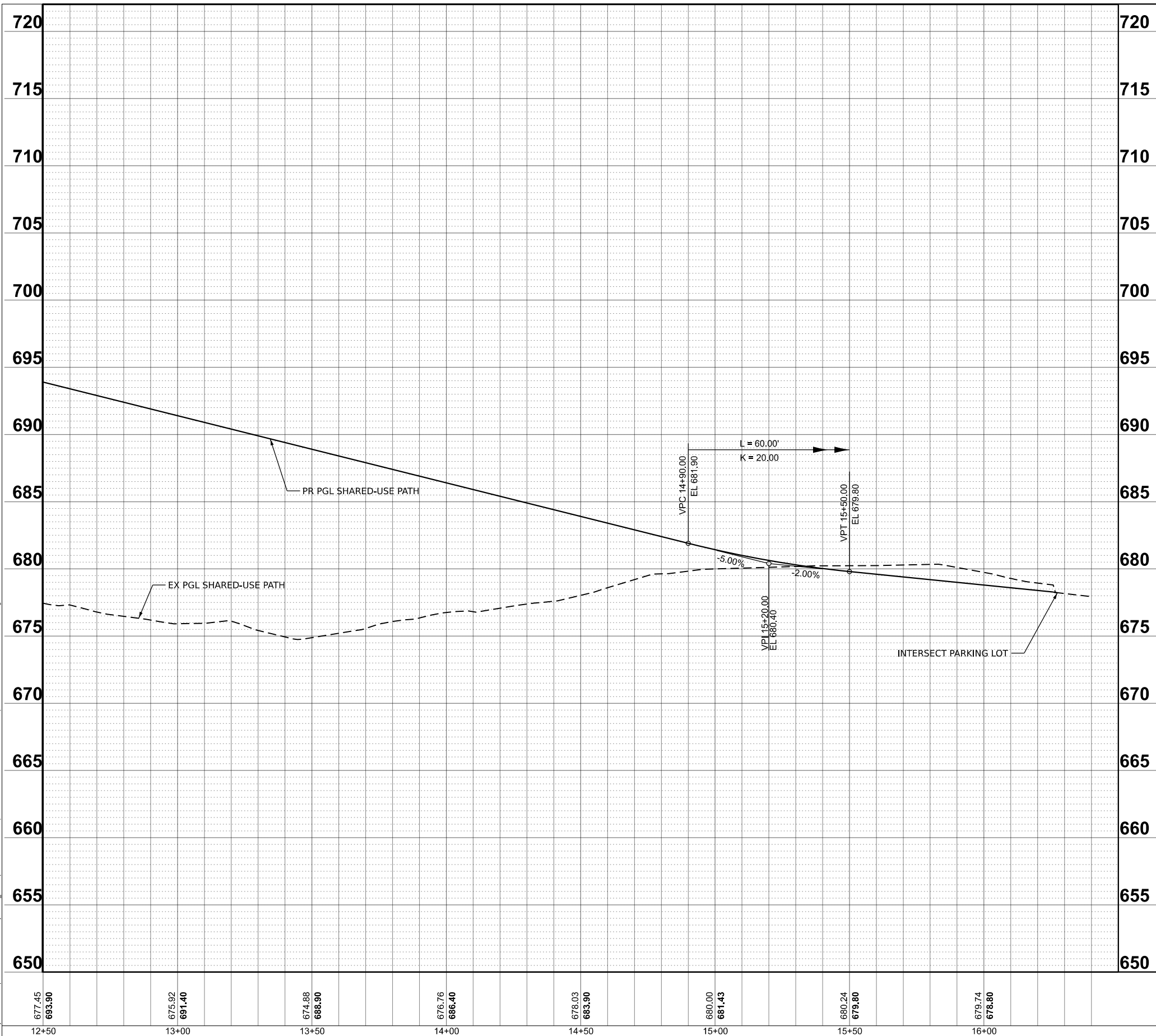
**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
PROPOSED SHARED-USE PATH PROFILE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	24
CONTRACT NO. 61M15				
ILLINOIS		FED. AID PROJECT		

SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 6+50.00 TO STA. 12+50.00

DATE	
BY	
PROFILE	
SUBMITTED	
PLOTTED	
GRADIS CHECKED	
NOTE BOOK	
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STRUCTURE NOTATION	
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677.45 693.90	12+50
675.92 691.40	13+00
674.88 688.90	13+50
676.76 686.40	14+00
678.03 683.90	14+50
680.00 681.43	15+00
680.24 679.80	15+50
679.74 678.80	16+00



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
PROPOSED SHARED-USE PATH PROFILE**

SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. 12+50.00 TO STA. 16+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	25
CONTRACT NO. 61M15				
		ILLINOIS	FED. AID PROJECT	

GENERAL NOTES

NOTES:

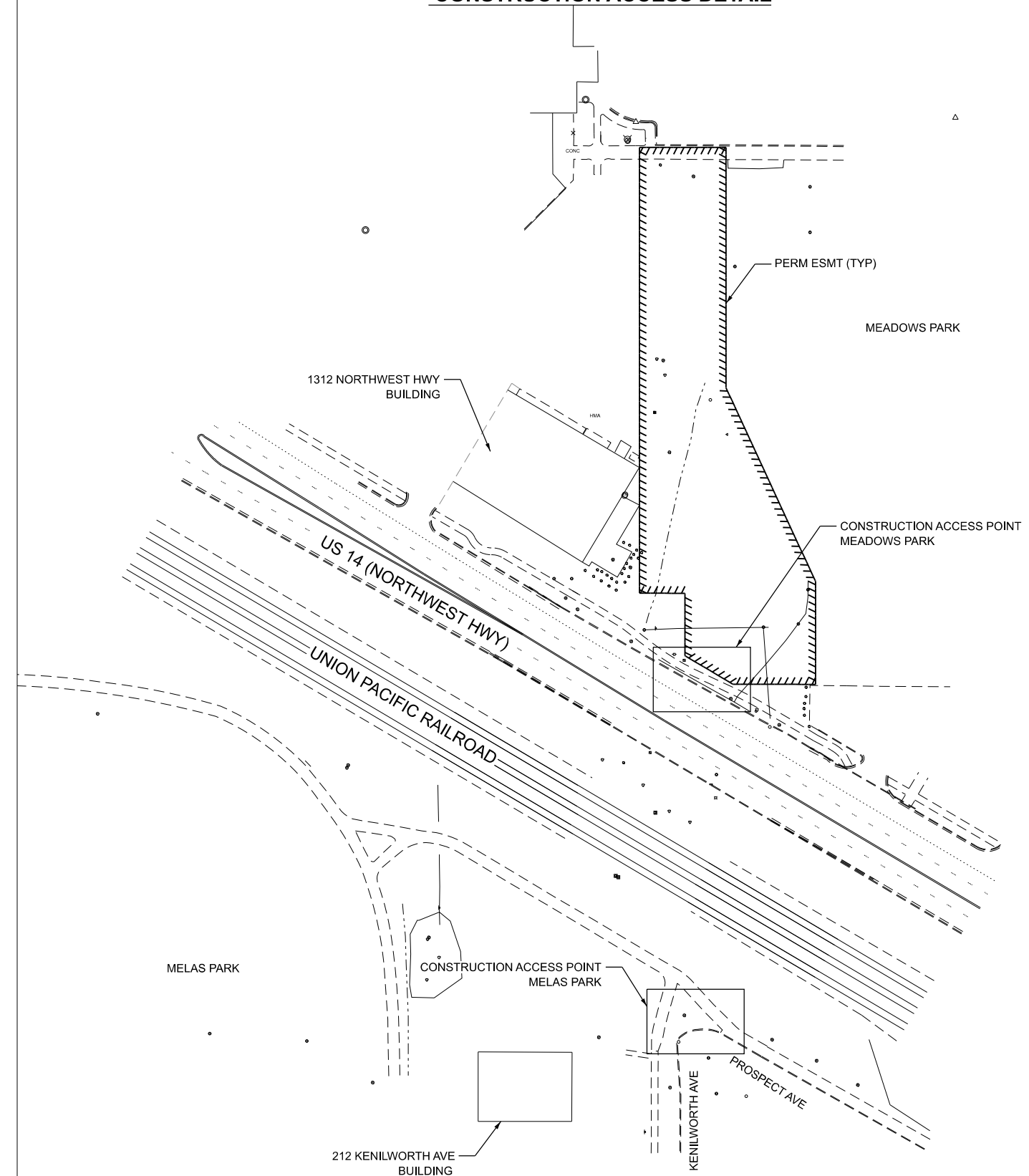
1. THE CONTRACTOR SHALL NOT OBSTRUCT ANY EXISTING SIGN OR PEDESTRIAN SIDEWALK WITH THE PLACEMENT OF TEMPORARY CONSTRUCTION SIGNING. THE CONTRACTOR MUST MAINTAIN A 4-FOOT MINIMUM CLEAR WIDTH ON ALL SIDEWALKS WHEN INSTALLING CONSTRUCTION SIGNS ON OR NEAR SIDEWALKS THAT ARE OPEN TO PEDESTRIANS.
2. DRUMS AND BARRICADES ALONG THE ARTERIAL ROADWAYS SHALL BE PLACED AS FOLLOWS: 25' C-C ALONG TANGENTS, 20' C-C ALONG TAPERS, 10' C-C ALONG RADII/CURVES.
3. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.
4. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO THE INTERMITTENT ROAD CLOSURE ON EACH APPROACH OF THE EFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER. THE SIGN LOCATIONS SHALL BE (DETERMINED BY THE ENGINEER) PLACED AS DIRECTED BY THE ENGINEER NOTIFYING TRAFFIC TO USE ALTERNATE ROUTES. THE SIGN LOCATIONS AND MESSAGES SHALL BE DETERMINED BY THE ENGINEER.
5. ALL TEMPORARY SIGNS, BARRICADES AND DRUMS SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION (SPECIAL).
6. REFER TO IDOT HIGHWAY STANDARD 701426-09 FOR WORKZONE TRAFFIC DURING MATERIAL DELIVERY OF THE PREFABRICATED BRIDGE.
7. REPLACE DAMAGE TO PAVEMENT FROM TEMPORARY CONCRETE BARRIERS WITH ' HOT-MIX ASPHALT SURFACE REMOVAL, 2" ' AND ' HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 ' AT 2".
8. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR, AT KALPANA.KANNANHOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

CONSTRUCTION STAGING

NOTES:

1. RELOCATE WATER MAIN AND SANITARY SEWERS. CONSTRUCT STORM SEWERS.
2. CONSTRUCT APPROACH STRUCTURE ABUTMENTS AND PIERS, AND MAINSPAN ABUTMENTS.
3. CONSTRUCT BASEBALL FENCE UPON COMPLETION OF THE PIER FOOTINGS.
4. INSTALL THE PREFABRICATED TRUSS BRIDGE SECTION OVER NORTHWEST HIGHWAY AND UNION PACIFIC RAILROAD. TRUSS INSTALLATION SHALL OCCUR AT 15 MINUTE INCREMENTS DURING THE ALLOWABLE HOURS AS SPECIFIED IN THE 'KEEPING ARTERIALS OPEN TO TRAFFIC (15 MIN FULL STOPS).'
5. CONSTRUCT APPROACH SUPERSTRUCTURE AND RETAINING WALLS. THIS MAY BE DONE PRIOR TO THE INSTALLATION OF THE PREFABRICATED TRUSS BRIDGE PER CONTRACTOR PREFERENCE.
6. CONSTRUCT GRADING AROUND STRUCTURES. CONSTRUCT SIDEWALKS AND MULTI-USE PATHS BENEATH AND ADJACENT TO THE STRUCTURAL WORK.
7. COMPLETE LANDSCAPING AND RESTORATION WORK.

CONSTRUCTION ACCESS DETAIL



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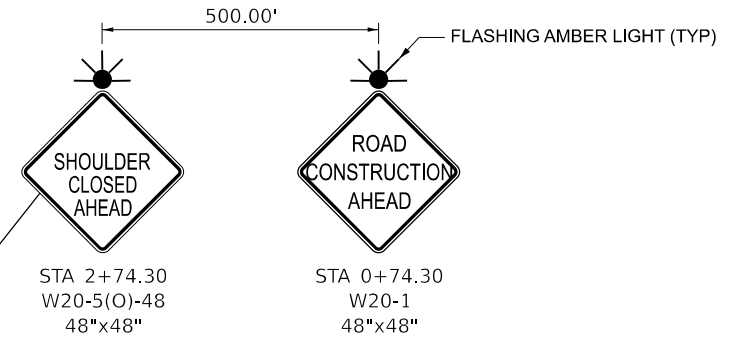
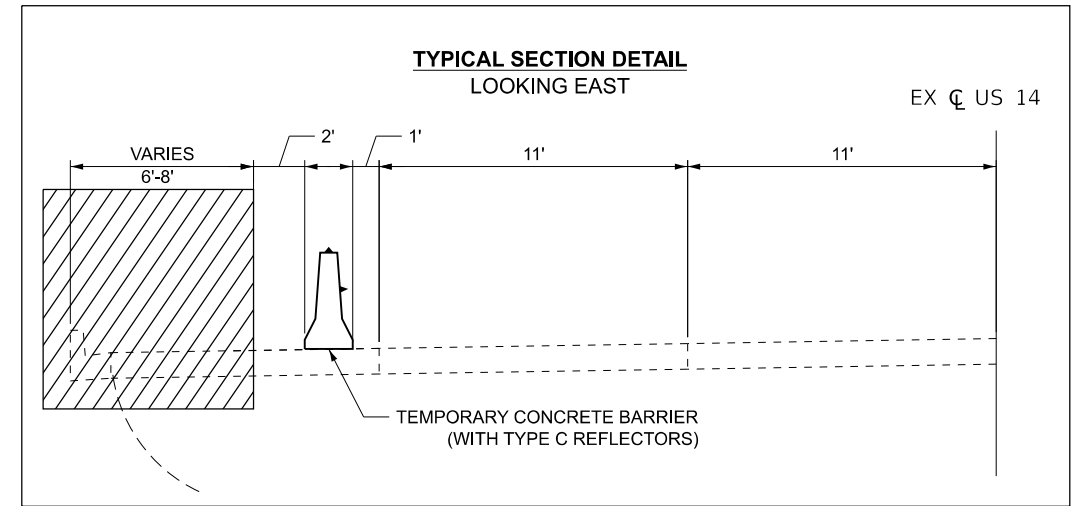
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPR
MAINTENANCE OF TRAFFIC NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	26
ILLINOIS			CONTRACT NO.61M15	
FED. AID PROJECT				



LEGEND	
	DRUMS AT 25' C-C
	TEMPORARY CONCRETE BARRIER
	WORK ZONE
	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2

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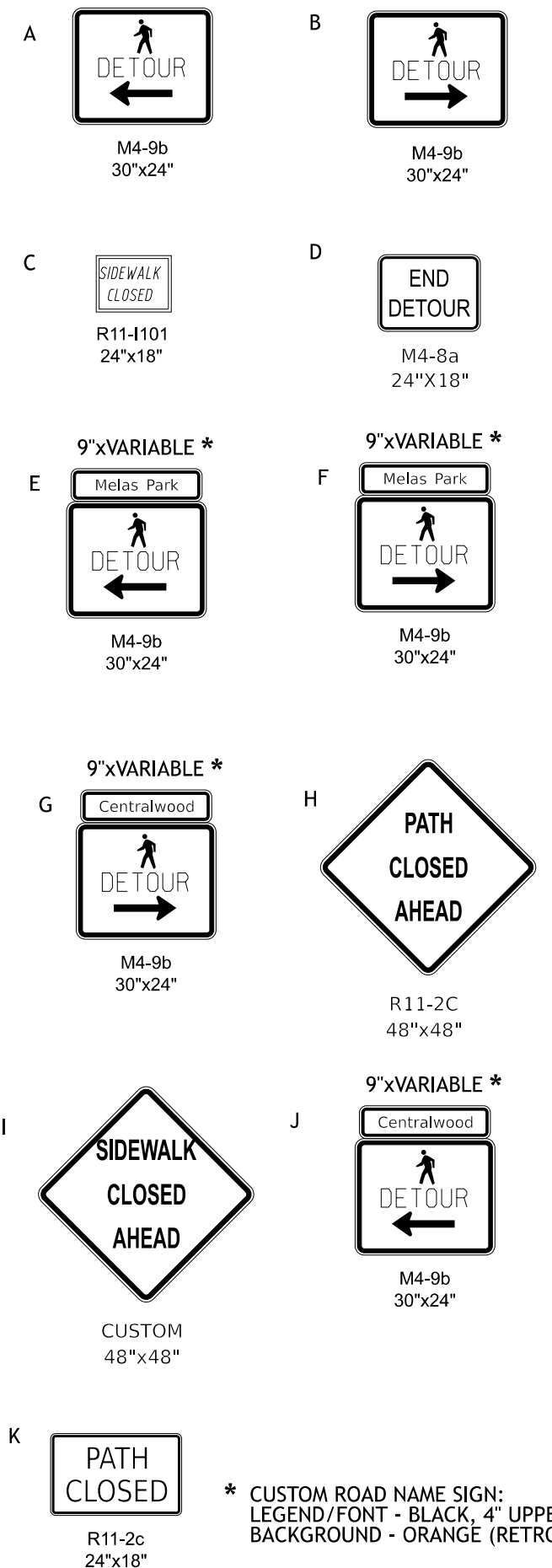
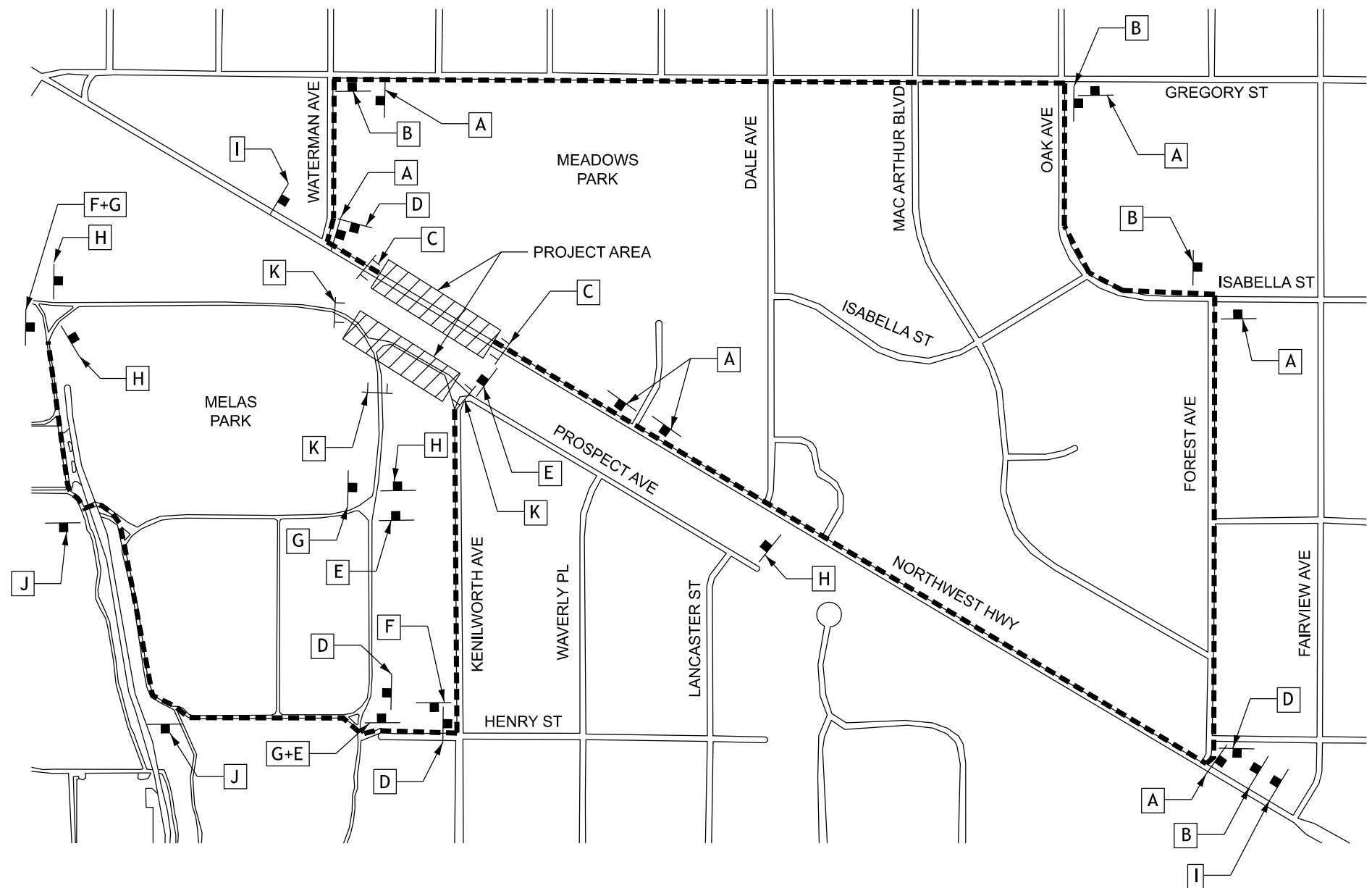
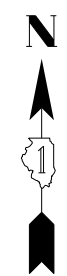
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PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
MAINTENANCE OF TRAFFIC PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	27
CONTRACT NO. 61M15				
		ILLINOIS	FED. AID PROJECT	



LEGEND

- DETOUR ROUTE
- TT DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE
- MAINTENANCE OF TRAFFIC SIGN
- ▨ PROJECT LOCATION

NOTES

- PEDESTRIAN DETOUR TO BE INCLUDED IN THE COST OF 'TRAFFIC CONTROL AND PROTECTION (SPECIAL).'

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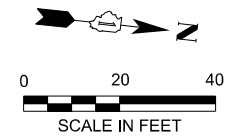
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
MAINTENANCE OF TRAFFIC PEDESTRIAN DETOUR**

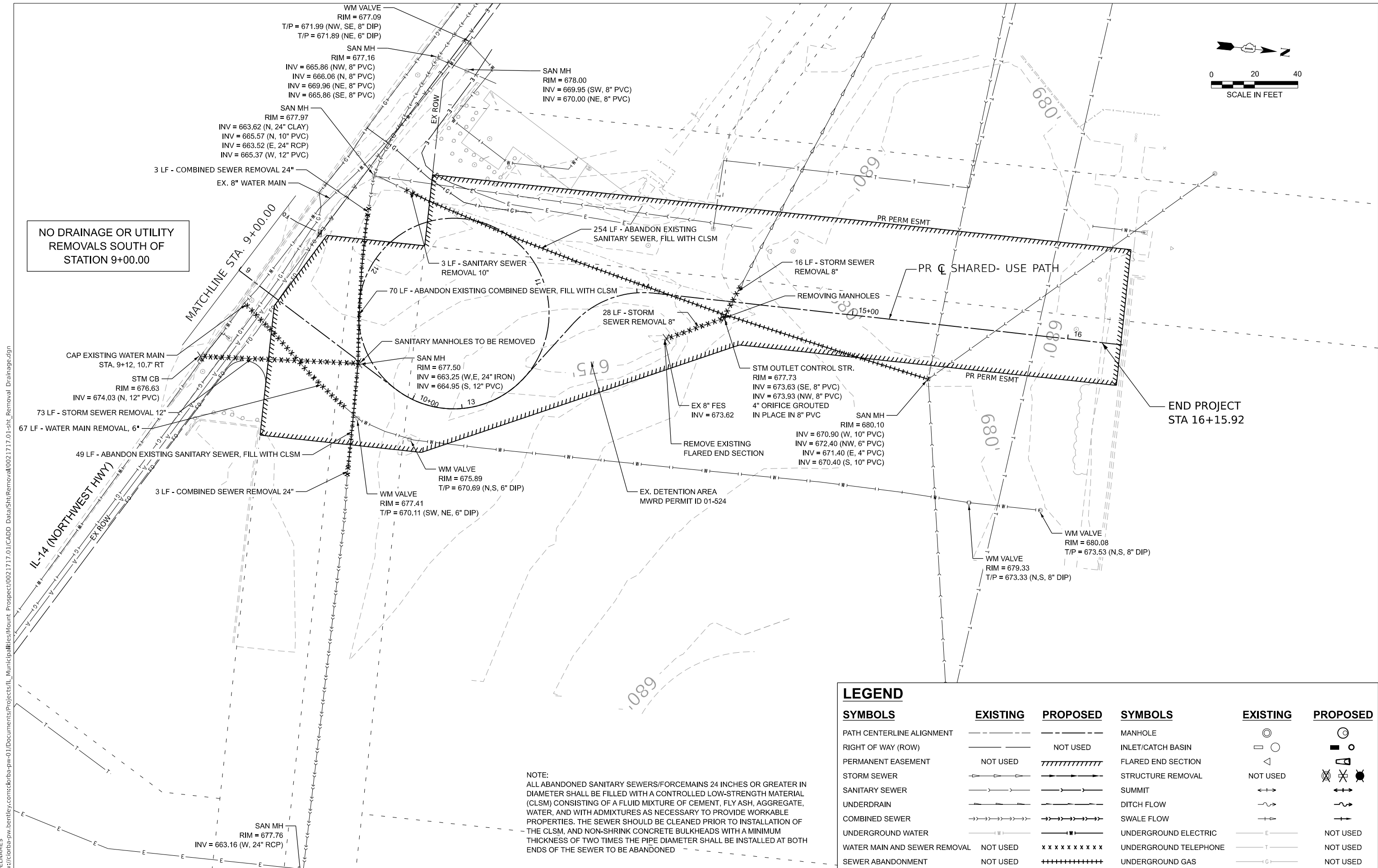
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	28
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

* CUSTOM ROAD NAME SIGN:
LEGEND/FONT - BLACK, 4" UPPER; 3" LOWER
BACKGROUND - ORANGE (RETROFLECTIVE)



NO DRAINAGE OR UTILITY REMOVALS SOUTH OF STATION 9+00.00



NOTE:
ALL ABANDONED SANITARY SEWERS/FORCEMAINS 24 INCHES OR GREATER IN DIAMETER SHALL BE FILLED WITH A CONTROLLED LOW-STRENGTH MATERIAL (CLSM) CONSISTING OF A FLUID MIXTURE OF CEMENT, FLY ASH, AGGREGATE, WATER, AND WITH ADMIXTURES AS NECESSARY TO PROVIDE WORKABLE PROPERTIES. THE SEWER SHOULD BE CLEANED PRIOR TO INSTALLATION OF THE CLSM, AND NON-SHRINK CONCRETE BULKHEADS WITH A MINIMUM THICKNESS OF TWO TIMES THE PIPE DIAMETER SHALL BE INSTALLED AT BOTH ENDS OF THE SEWER TO BE ABANDONED

LEGEND		SYMBOLS		EXISTING	PROPOSED
PATH CENTERLINE ALIGNMENT	---	---	---	---	---
RIGHT OF WAY (ROW)	---	---	---	---	---
PERMANENT EASEMENT	---	---	---	---	---
STORM SEWER	---	---	---	---	---
SANITARY SEWER	---	---	---	---	---
UNDERDRAIN	---	---	---	---	---
COMBINED SEWER	---	---	---	---	---
UNDERGROUND WATER	---	---	---	---	---
WATER MAIN AND SEWER REMOVAL	---	---	---	---	---
SEWER ABANDONMENT	---	---	---	---	---
MANHOLE	⊙	⊙	⊙	⊙	⊙
INLET/CATCH BASIN	⊡	⊡	⊡	⊡	⊡
FLARED END SECTION	◁	◁	◁	◁	◁
STRUCTURE REMOVAL	---	---	---	---	---
SUMMIT	↔	↔	↔	↔	↔
DITCH FLOW	~	~	~	~	~
SWALE FLOW	+	+	+	+	+
UNDERGROUND ELECTRIC	E	E	E	E	---
UNDERGROUND TELEPHONE	T	T	T	T	---
UNDERGROUND GAS	G	G	G	G	---

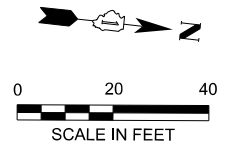
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAINAGE AND UTILITIES REMOVAL PLAN		3512	21-00174-00-BR	COOK	154	29
SCALE: 1"=20'		SHEET OF SHEETS		STA. 9+00.00 TO STA. 16+15.87		CONTRACT NO.61M15
						ILLINOIS FED. AID PROJECT



EX. MWRD RESERVOIR
(CONTRACT NO.
69-308-2F)

NOTES:

1. THE CONTRACTOR SHALL VERIFY THE CLAY LINER IS INTACT AND ENSURE THAT IT IS NOT DAMAGED AS A RESULT OF CONSTRUCTION. THE OUTFALL SHALL EXTEND HORIZONTALLY PAST THE CLAY LINER SO THAT FLOWS DO NOT INFILTRATE BEHIND IT AND CAUSE DAMAGE TO THE LINER.
2. SEE EROSION CONTROL SHEETS FOR PROPOSED RIPRAP AND FILTER FABRIC AT THE OUTFALL STRUCTURE, S-07.

IDOT STANDARD DETAIL 542301-03

EX. 8" UNDERDRAIN, TYP.

APPROX. TOP OF EX. CLAY LINER EL. 671.00

UNDERGROUND CABLE TO BE RELOCATED BY OTHERS

CONNECT PROP. UNDERDRAIN TO ABUTMENT UNDERDRAIN INV. = 675.70

PROPOSED BRIDGE (SEE STRUCTURAL PLANS)

PRC SHARED-USE PATH

MATCHLINE STA. 9+00.00
SEE SHEET:31

BEGIN PROJECT
STA 01+08.42

CHICAGO AND NORTH
WESTERN RAILROAD

- | | |
|--|---|
| S-01
STA. 01+19, O/S 16.6' LT
MH TA 4' DIA T8G
RIM = 678.25
INV = 674.80 (SW) | S-08
STA. 07+21, O/S 21.6' RT
INLETS TA T8G
RIM = 678.27
INV = 674.80 (S) |
| S-02
STA. 01+47, O/S 20.1' RT
MH TA 4' DIA T8G
RIM = 677.97
INV = 674.70 (N)
INV = 674.62 (NE)
INV = 674.52 (NW) | S-09
STA. 02+22, O/S 9.6' LT
INLETS TA T8G
RIM = 677.93
INV = 673.00 (N)
INV = 675.64 (NW) |
| S-03
STA. 06+68, O/S 29.6' LT
MH TA 4' DIA T8G
RIM = 677.36
INV = 674.23 (SE)
INV = 672.80 (W)
INV = 672.80 (S) | P-01
36 LF - STORM SEW CL A T2 15" @ 0.51%
TBF = 2 CY |
| S-04
STA. 06+21, O/S 26.7' LT
MH TA 4' DIA T8G
RIM = 676.77
INV = 672.71 (E)
INV = 672.61 (W) | P-02
57 LF - STORM SEW CL A T2 15" @ 0.51% |
| S-05
STA. 05+63, O/S 11.3' LT
MH TA 4' DIA T1F CL
RIM = 677.17
INV = 672.36 (E)
INV = 672.26 (S) | P-03
21 LF - STORM SEW CL A T2 15" @ 0.44% |
| S-06
STA. 03+09, O/S 14.4' LT
MH TA 4' DIA T1F CL
RIM = 676.26
INV = 672.08 (N)
INV = 671.98 (SW) | P-04
56 LF - STORM SEW CL A T2 15" @ 0.44% |
| S-07
STA. 03+41, O/S 46.4' LT
PRC FLAR END SEC 15"
W/ GRATING FOR PRC FLAR END SEC 15"
INV = 671.80 (NE) | P-05
39 LF - STORM SEW CL A T2 15" @ 0.44% |
| | P-06
40 LF - STORM SEW CL A T2 15" @ 0.44% |
| | P-08
24 LF - STORM SEW CL A T2 15" @ 0.42%
TBF = 2 CY |
| | P-09
38 LF - STORM SEW CL A T2 15" @ 0.53%
TBF = 4 CY |
| | P-50
6 LF - PIPE UNDERDRAINS FOR STRUCTURES (SPECIAL) 4" @ 1.00% |

LEGEND

SYMBOLS		EXISTING	PROPOSED	SYMBOLS	EXISTING	PROPOSED
PATH CENTERLINE ALIGNMENT	---	---	---	MANHOLE	⊙	⊙
RIGHT OF WAY (ROW)	---	---	---	INLET/CATCH BASIN	□ ○	■ ○
PERMANENT EASEMENT	---	---	////	FLARED END SECTION	△	△
STORM SEWER	→→→	→→→	→→→	STRUCTURE REMOVAL	NOT USED	⊗
SANITARY SEWER	→→→	→→→	→→→	SUMMIT	↔	↔
UNDERDRAIN	→→→	→→→	→→→	DITCH FLOW	~	~
COMBINED SEWER	→→→	→→→	→→→	SWALE FLOW	→→	→→
UNDERGROUND WATER	---	---	---	UNDERGROUND ELECTRIC	E	NOT USED
WATER MAIN AND SEWER REMOVAL	---	---	xxxxxx	UNDERGROUND TELEPHONE	T	NOT USED
SEWER ABANDONMENT	---	---	+++++	UNDERGROUND GAS	G	NOT USED

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

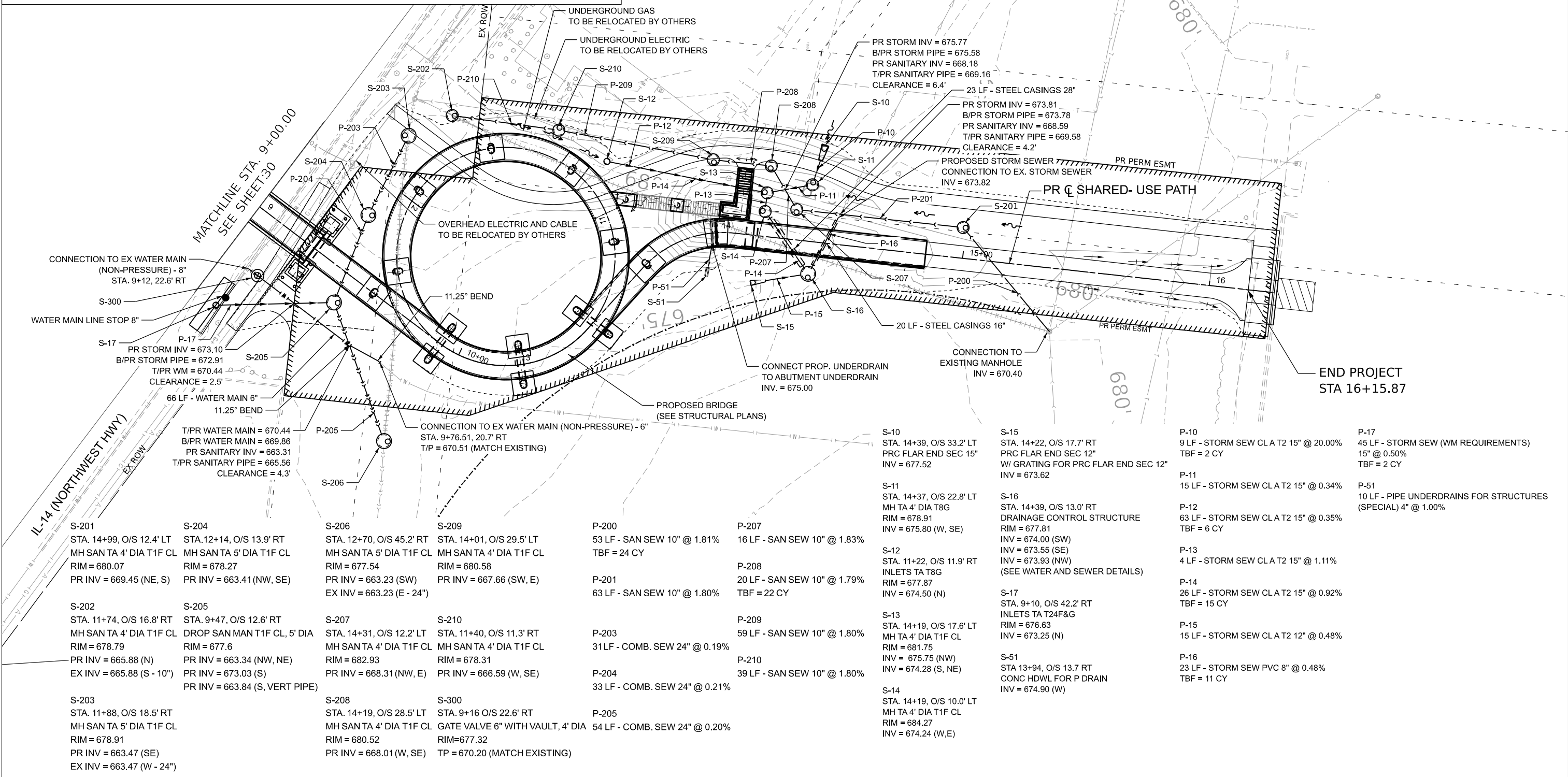
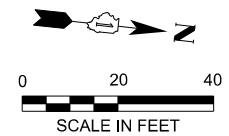
MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
PROPOSED DRAINAGE AND UTILITIES PLAN

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 0+95.00 TO STA. 9+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	30
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

LEGEND

SYMBOLS		EXISTING	PROPOSED	SYMBOLS	EXISTING	PROPOSED
PATH CENTERLINE ALIGNMENT		---	- - - -	MANHOLE	⊙	⊙
RIGHT OF WAY (ROW)		---	NOT USED	INLET/CATCH BASIN	□ ○	■ ○
PERMANENT EASEMENT		NOT USED	////	FLARED END SECTION	△	△
STORM SEWER		→	→	STRUCTURE REMOVAL	NOT USED	⊗
SANITARY SEWER		→	→	SUMMIT	↔	↔
UNDERDRAIN		→	→	DITCH FLOW	~	~
COMBINED SEWER		→	→	SWALE FLOW	→	→
UNDERGROUND WATER		—	—	UNDERGROUND ELECTRIC	E	NOT USED
WATER MAIN AND SEWER REMOVAL		NOT USED	x x x x x x x x	UNDERGROUND TELEPHONE	T	NOT USED
SEWER ABANDONMENT		NOT USED	+++++	UNDERGROUND GAS	G	NOT USED



MODEL: \$MODELNAME\$
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IL-14 (NORTHWEST HWY)
 EX ROW

MATCHLINE STA. 9+00.00
 SEE SHEET 30

END PROJECT
 STA 16+15.87

S-201 STA. 14+99, O/S 12.4' LT MH SAN TA 4' DIA T1F CL RIM = 680.07 PR INV = 669.45 (NE, S)	S-204 STA. 12+14, O/S 13.9' RT MH SAN TA 5' DIA T1F CL RIM = 678.27 PR INV = 663.41 (NW, SE)	S-206 STA. 12+70, O/S 45.2' RT MH SAN TA 5' DIA T1F CL RIM = 677.54 PR INV = 663.23 (SW) EX INV = 663.23 (E - 24")	S-209 STA. 14+01, O/S 29.5' LT MH SAN TA 4' DIA T1F CL RIM = 680.58 PR INV = 667.66 (SW, E)	P-200 53 LF - SAN SEW 10" @ 1.81% TBF = 24 CY	P-207 16 LF - SAN SEW 10" @ 1.83%	S-10 STA. 14+39, O/S 33.2' LT PRC FLAR END SEC 15" INV = 677.52	S-15 STA. 14+22, O/S 17.7' RT PRC FLAR END SEC 12" W/ GRATING FOR PRC FLAR END SEC 12" INV = 673.62	P-10 9 LF - STORM SEW CL A T2 15" @ 20.00% TBF = 2 CY	P-17 45 LF - STORM SEW (WM REQUIREMENTS) 15" @ 0.50% TBF = 2 CY
S-202 STA. 11+74, O/S 16.8' RT MH SAN TA 4' DIA T1F CL RIM = 678.79 PR INV = 665.88 (N) EX INV = 665.88 (S - 10")	S-205 STA. 9+47, O/S 12.6' RT DROP SAN MAN T1F CL, 5' DIA RIM = 677.6 PR INV = 663.34 (NW, NE) PR INV = 673.03 (S) PR INV = 663.84 (S, VERT PIPE)	S-207 STA. 14+31, O/S 12.2' LT MH SAN TA 4' DIA T1F CL RIM = 682.93 PR INV = 668.31 (NW, E)	S-210 STA. 11+40, O/S 11.3' RT MH SAN TA 4' DIA T1F CL RIM = 678.31 PR INV = 666.59 (W, SE)	P-203 31 LF - COMB. SEW 24" @ 0.19%	P-209 59 LF - SAN SEW 10" @ 1.80%	S-11 STA. 14+37, O/S 22.8' LT MH TA 4' DIA T8G RIM = 678.91 INV = 675.80 (W, SE)	S-16 STA. 14+39, O/S 13.0' RT DRAINAGE CONTROL STRUCTURE RIM = 677.81 INV = 674.00 (SW) INV = 673.55 (SE) INV = 673.93 (NW) (SEE WATER AND SEWER DETAILS)	P-11 15 LF - STORM SEW CL A T2 15" @ 0.34%	P-51 10 LF - PIPE UNDERDRAINS FOR STRUCTURES (SPECIAL) 4" @ 1.00%
S-203 STA. 11+88, O/S 18.5' RT MH SAN TA 5' DIA T1F CL RIM = 678.91 PR INV = 663.47 (SE) EX INV = 663.47 (W - 24")		S-208 STA. 14+19, O/S 28.5' LT MH SAN TA 4' DIA T1F CL RIM = 680.52 PR INV = 668.01 (W, SE)	S-300 STA. 9+16 O/S 22.6' RT GATE VALVE 6" WITH VAULT, 4' DIA RIM = 677.32 TP = 670.20 (MATCH EXISTING)	P-204 33 LF - COMB. SEW 24" @ 0.21%	P-210 39 LF - SAN SEW 10" @ 1.80%	S-12 STA. 11+22, O/S 11.9' RT INLETS TA T8G RIM = 677.87 INV = 674.50 (N)	S-17 STA. 9+10, O/S 42.2' RT INLETS TA T24F&G RIM = 676.63 INV = 673.25 (N)	P-12 63 LF - STORM SEW CL A T2 15" @ 0.35% TBF = 6 CY	
				P-205 54 LF - COMB. SEW 24" @ 0.20%		S-13 STA. 14+19, O/S 17.6' LT MH TA 4' DIA T1F CL RIM = 681.75 INV = 675.75 (NW) INV = 674.28 (S, NE)	S-51 STA 13+94, O/S 13.7 RT CONC HDWL FOR P DRAIN INV = 674.90 (W)	P-13 4 LF - STORM SEW CL A T2 15" @ 1.11%	
								P-14 26 LF - STORM SEW CL A T2 15" @ 0.92% TBF = 15 CY	
								P-15 15 LF - STORM SEW CL A T2 12" @ 0.48%	
								P-16 23 LF - STORM SEW PVC 8" @ 0.48% TBF = 11 CY	



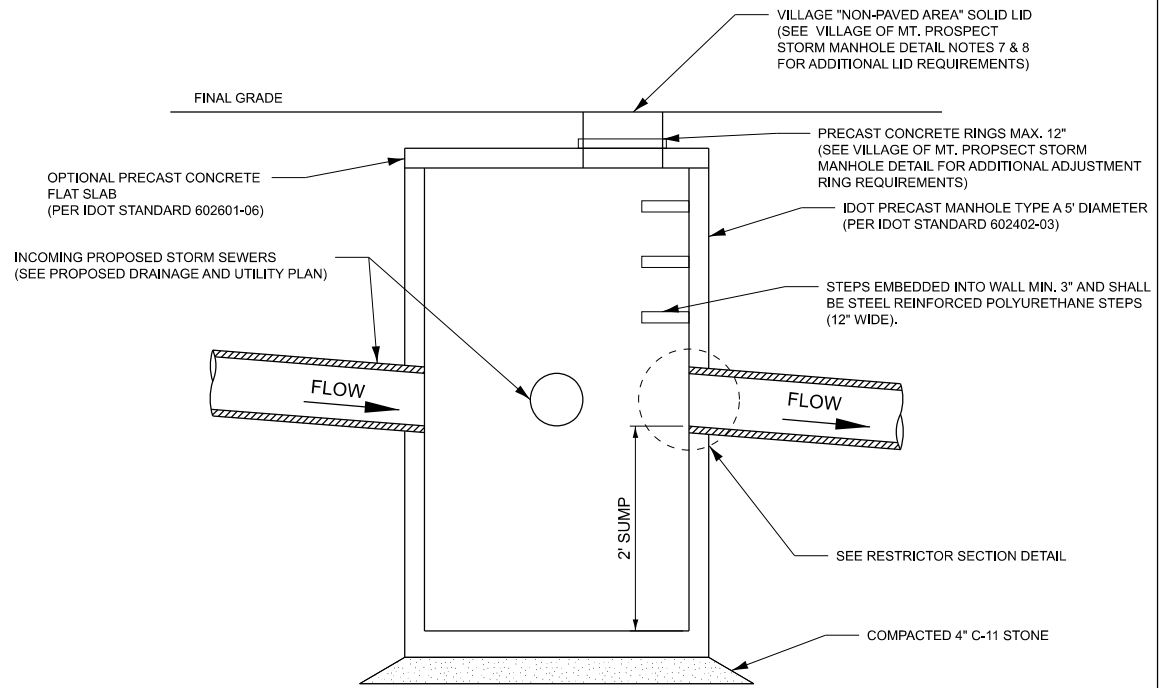
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PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

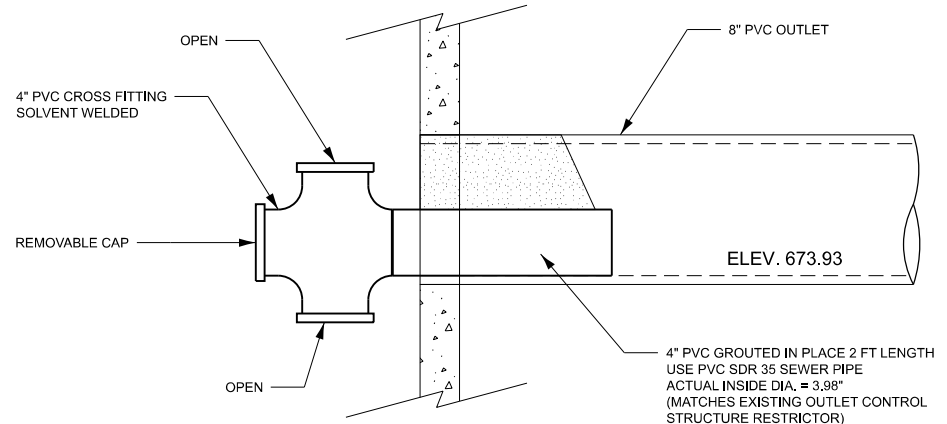
MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
 PROPOSED DRAINAGE AND UTILITIES PLAN
 SCALE: 1"=20'
 SHEET 2 OF 2 SHEETS
 STA. 9+00.00 TO STA. 16+15.87

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	31
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

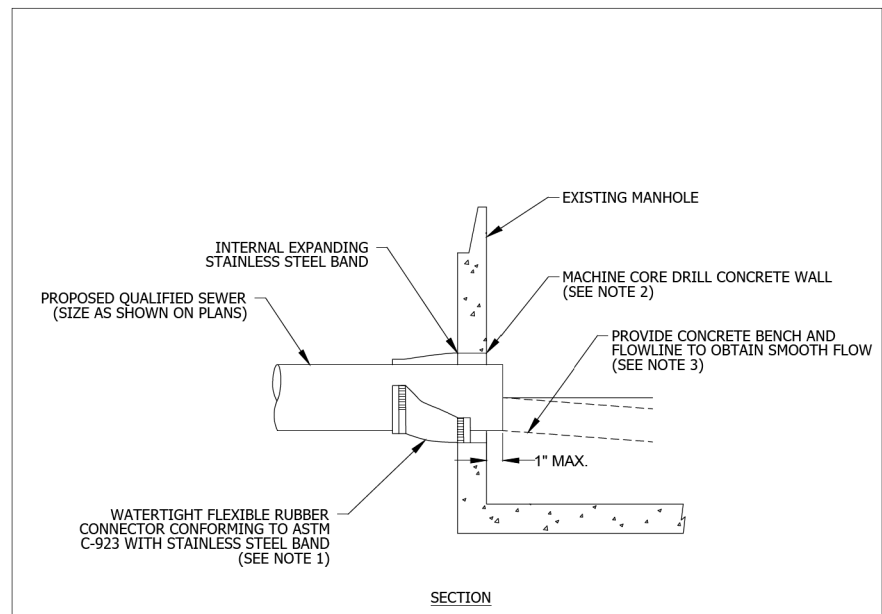
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PROP. DRAINAGE OUTLET CONTROL STRUCTURE S-16



RESTRICTOR SECTION DETAIL

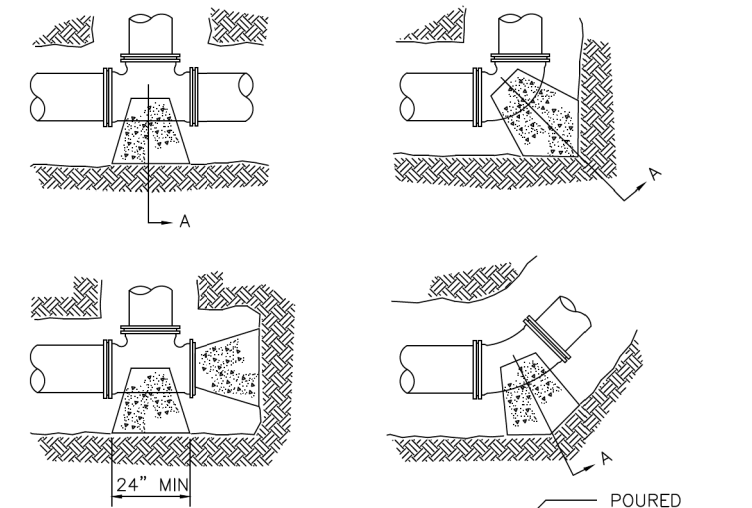


- NOTES:
1. RESILIENT CONNECTOR COMPLYING WITH ASTM STANDARD C-923 (MOST RECENT EDITION) SHALL BE USED.
 2. MACHINE CORE/DRILL CIRCULAR OPENING IN STRUCTURE WALL. OPENING DIAMETER TO FIT THE REQUIRED RESILIENT CONNECTOR PER MANUFACTURER'S RECOMMENDATION.
 3. CUT, SHAPE, AND SLOPE NEW INVERT CHANNEL IN THE EXISTING CONCRETE BENCH FOR SMOOTH FLOW.
 4. CLEAN EXISTING STRUCTURE AND SEWER PIPE OF ANY DIRT, CONCRETE, OR DEBRIS WHICH MAY ACCUMULATE DURING THE CONSTRUCTION PROCESS.
 5. ANY DAMAGE TO THE EXISTING MANHOLE SHALL BE REPAIRED BY THE CONTRACTOR.
 6. REINFORCED CONCRETE COLLAR MAY BE SUBSTITUTED FOR PIPE DIAMETERS LARGER THAN 36-INCHES.

	TECHNICAL GUIDANCE MANUAL	10/02/18
	PIPE TO EXISTING MANHOLE CONNECTION DETAIL	STD. DWG. NO. 42
		PAGE NO. 43

CONNECTION TO EXISTING MANHOLE

THRUST BLOCK INSTALLATION



MINIMUM SQ. FT. AREA OF VERTICAL CROSS SECTION AGAINST 2000 PSF UNDISTURBED EARTH

	6"	8"	10"	12"
90° BEND	5.5	9.4	15.4	21.8
45° BEND	3.0	5.1	8.4	11.9
22.5° BEND	1.5	2.6	4.3	6.1
11.25° BEND	1.5	2.6	4.3	6.1
TEE	3.9	6.7	10.9	15.5

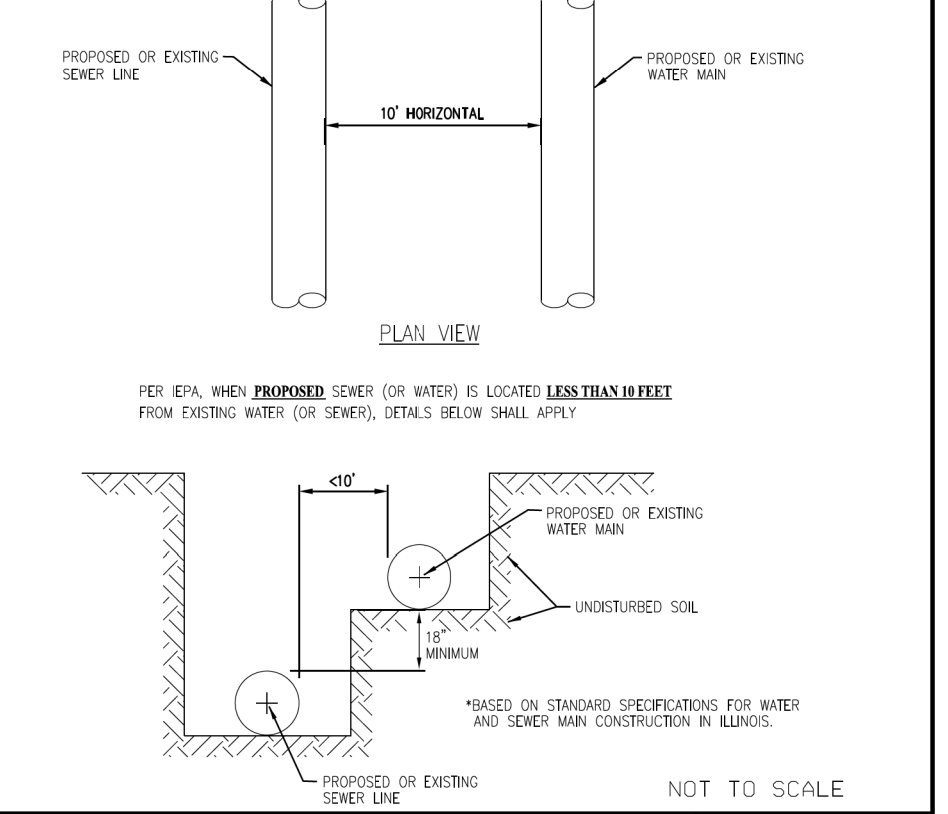
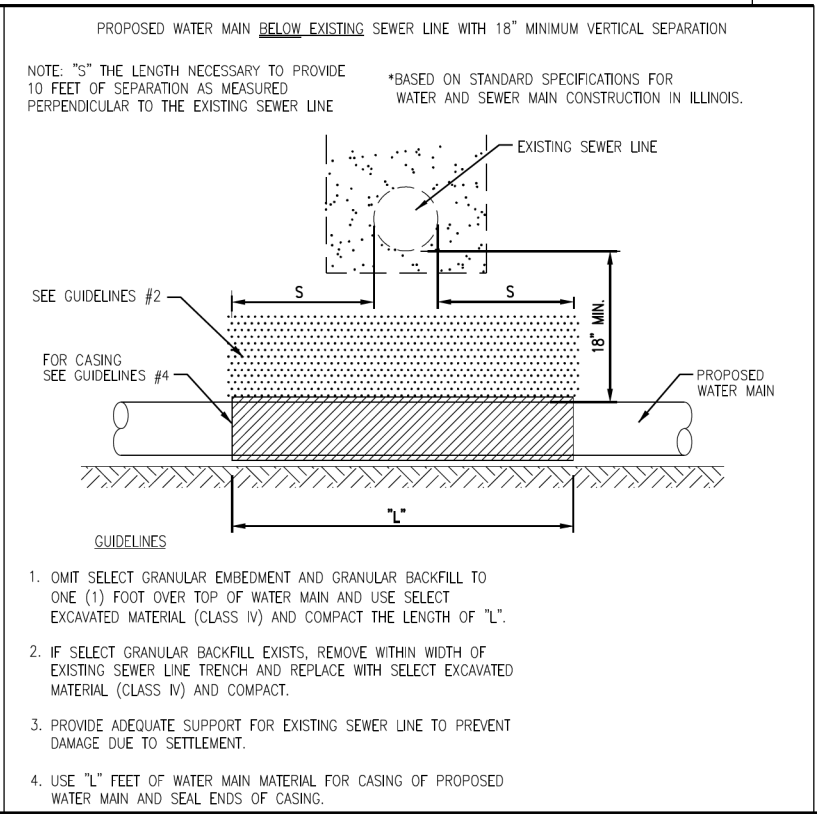
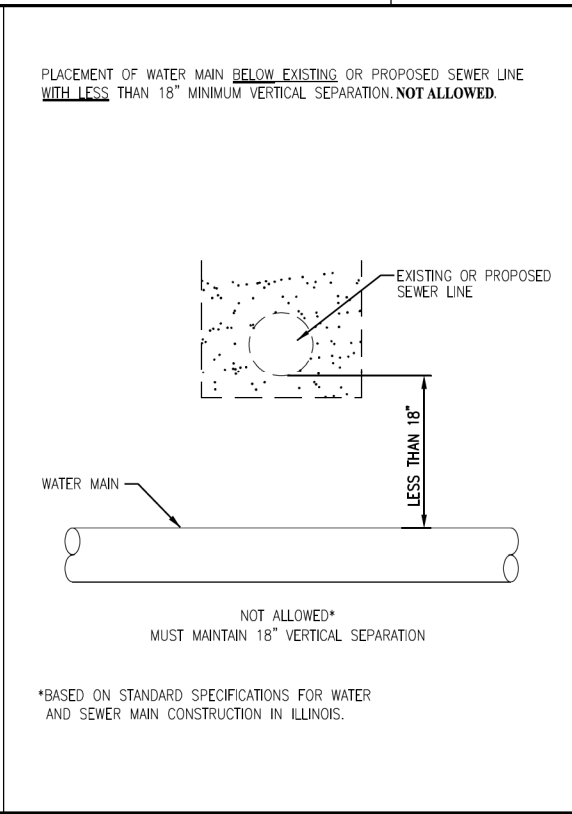
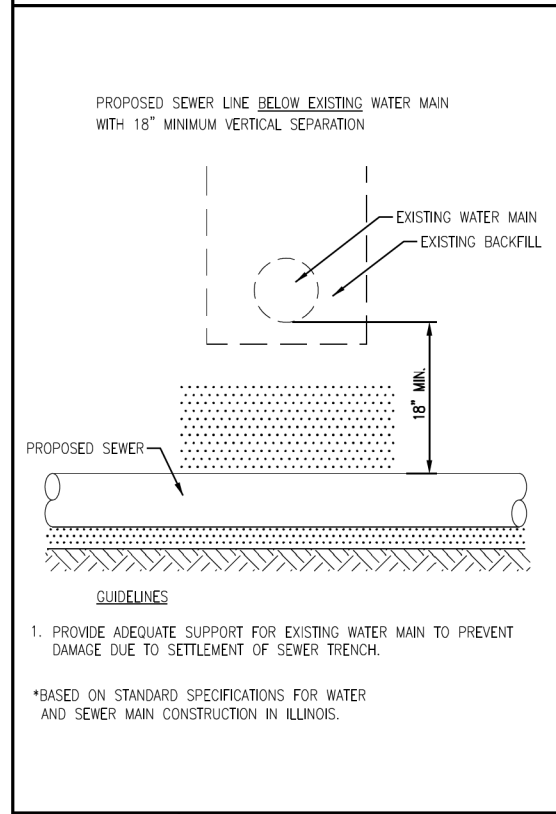
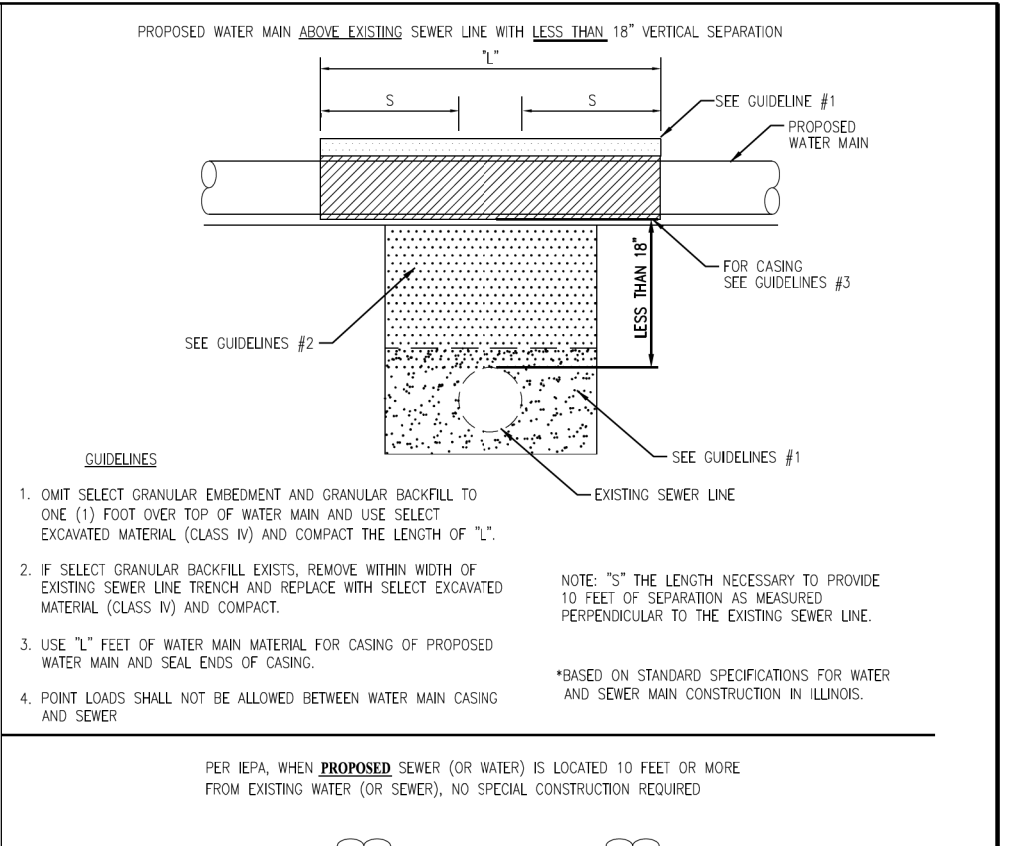
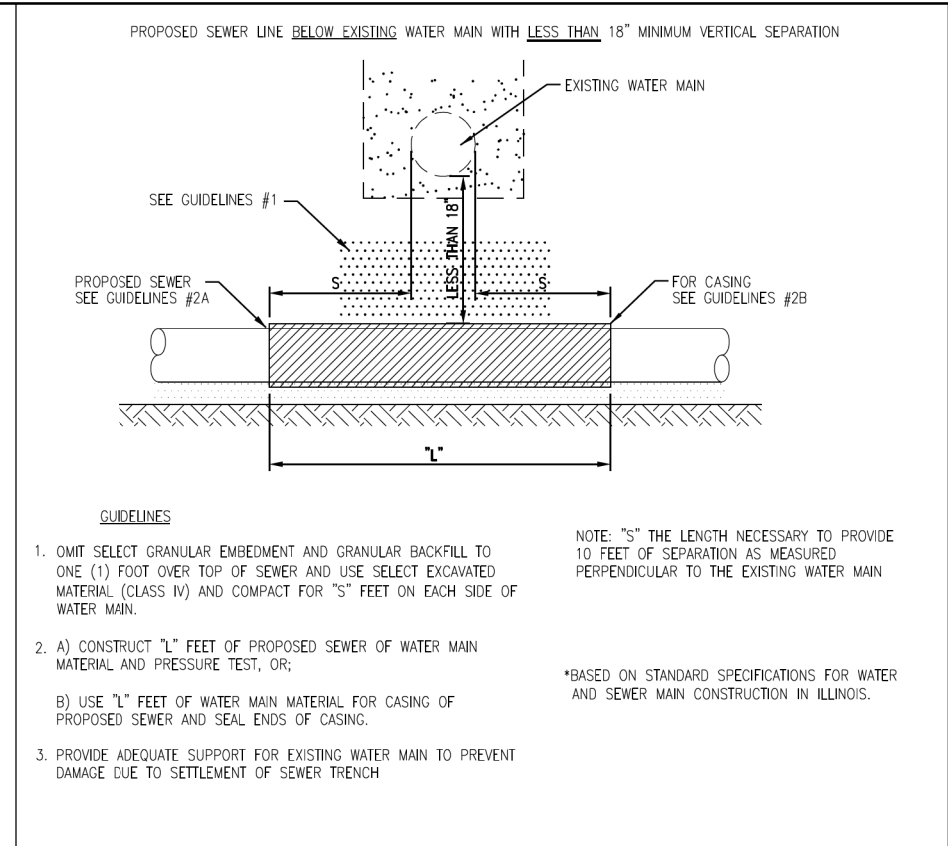
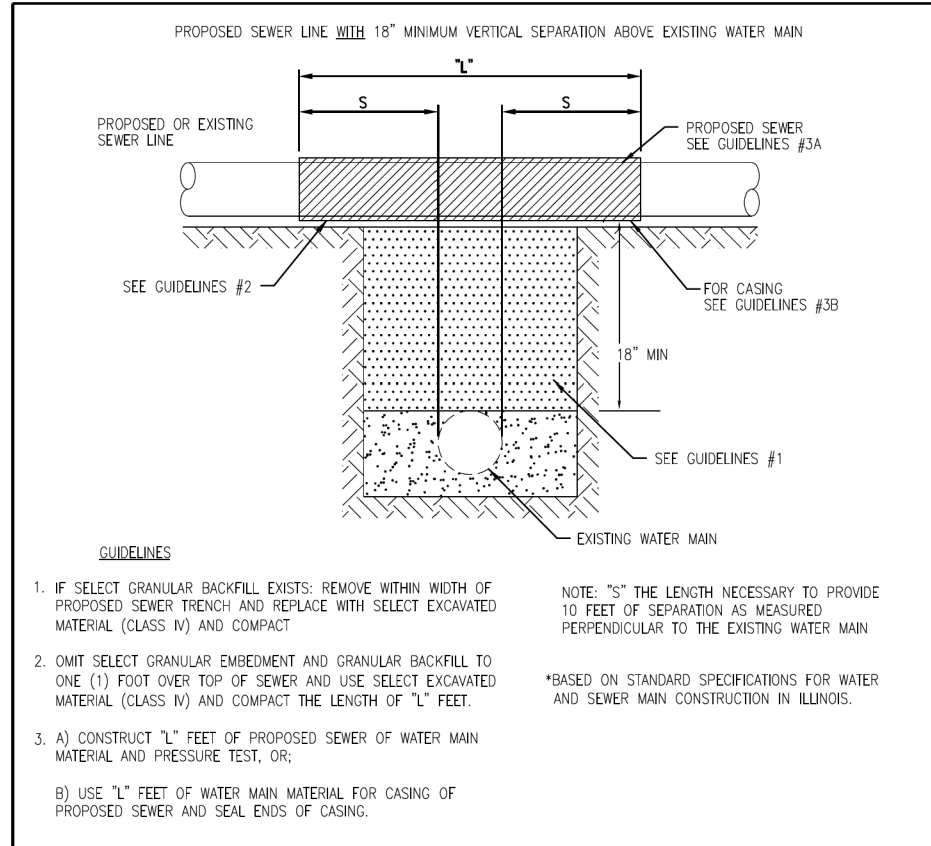
CONCRETE THRUST BLOCKS, AS SHOWN ON THE PLANS AND/OR DIRECTED BY THE ENGINEER, SHALL BE CONSTRUCTED AT BENDS, TEES, CAPS OR PLUGS, VALVES, AND HYDRANTS OF 3000 PSI CONCRETE IN ACCORDANCE WITH SECTION 41-2.10 OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION, AND VILLAGE OF MOUNT PROSPECT STANDARDS. THE CONCRETE THRUST BLOCKS SHALL COMPLETELY FILL THE SPACE BETWEEN THE BENDS OR FITTINGS AND THE WALLS OF THE TRENCH FROM 6 INCHES BELOW THE FITTINGS TO 12 INCHES ABOVE THE FITTING WITH NO POSSIBLE INTERFERENCE WITH THE MAKING OR REMAKING OF THE JOINTS. RESTRAINED JOINTS AND THRUST BLOCKING SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR WATER MAIN.

WATER MAIN THRUST BLOCK DETAIL

USER NAME =	DESIGNED - JG	REVISED -
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PLOT SCALE =	DRAWN - PDB	REVISED -
PLOT DATE =	CHECKED -	REVISED -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	32
CONTRACT NO.61M15				
ILLINOIS FED. AID PROJECT				

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TECHNICAL GUIDANCE MANUAL

WATER AND SEWER SEPARATION REQUIREMENTS (PER IEPA)

7/1/15
STD. DWG. NO. 41
PAGE NO. 42



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PLOT SCALE =	CHECKED - JG	REVISED -
PLOT DATE =	DRAWN - PDB	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR	
WATER AND SEWER DETAILS	
SCALE:	SHEET 1 OF 4 SHEETS STA. TO STA.

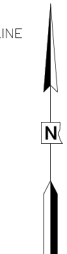
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3512	21-00174-00-BR	COOK	154	33
CONTRACT NO.61M15				
ILLINOIS FED. AID PROJECT				

PLAT OF EASEMENT

OF LOT 1 - MEADOWS PARK PLAT OF CONSOLIDATION COOK COUNTY, ILLINOIS

LEGEND

- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- MEASURED DIMENSION
- RECORD DIMENSION
- + ✕ FOUND MONUMENT AS NOTED



GRAPHIC SCALE
FEET
0 50
SCALE: 1" = 50'

OWNERS CERTIFICATE

STATE OF ILLINOIS)
SS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT

IS THE OWNER OF THE PROPERTY DESCRIBED ABOVE AND AS SUCH OWNER HAS CAUSED THE SAME TO BE PLATTED AS SHOWN HEREON, FOR THE USES AND PURPOSES THEREIN SET FORTH AND AS ALLOWED AND PROVIDED BY STATUTES AND SAID OWNER DOES HEREBY ACKNOWLEDGE AND ADOPT THE SAME UNDER THE STYLE AND TITLE AFORESAID.

DATED AT _____, ILLINOIS
(CITY)

THIS _____ DAY OF _____ AD 20____
(DAY) (MONTH)

BY _____ ATTEST _____
(SIGNATURE) (SIGNATURE)
TITLE: _____ TITLE: _____
(PRINT TITLE) (PRINT TITLE)

NOTARY CERTIFICATE

STATE OF ILLINOIS)
SS)
COUNTY OF COOK)

I, _____, A NOTARY PUBLIC IN AND FOR THE COUNTY AND STATE AFORESAID, DO HEREBY CERTIFY THAT

_____ OF SAID CORPORATION, PERSONALLY KNOWN TO ME TO BE THE SAME PERSONS WHOSE NAMES ARE SUBSCRIBED TO THE FOREGOING INSTRUMENT, APPEARED BEFORE ME THIS DAY IN PERSON AND ACKNOWLEDGE THAT THEY SIGNED AND DELIVERED THE INSTRUMENT AS THEIR OWN FREE AND VOLUNTARY ACT AND AS THE FREE AND VOLUNTARY ACT OF SAID CORPORATION, AS GIVEN UNDER MY HAND AND NOTARIAL SEAL.

THIS _____ DAY OF _____ A.D. _____

NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

VILLAGE OF MOUNT PROSPECT SIGNATURE BLOCKS

STATE OF ILLINOIS)
SS)
COUNTY OF COOK)

ACCEPTED AND APPROVED BY THE PRESIDENT AND BOARD OF TRUSTEES OF THE VILLAGE OF MOUNT PROSPECT, COOK COUNTY, ILLINOIS

THIS _____ DAY OF _____ 20____

BY _____
PRESIDENT

ATTEST: _____
CITY CLERK

VILLAGE ENGINEER CERTIFICATE

STATE OF ILLINOIS)
SS)
COUNTY OF COOK)

APPROVED BY THE VILLAGE ENGINEER OF THE VILLAGE OF MOUNT PROSPECT, COOK COUNTY, ILLINOIS

THIS _____ DAY OF _____ 20____

BY _____
VILLAGE ENGINEER

VILLAGE COLLECTOR CERTIFICATE

STATE OF ILLINOIS)
SS)
COUNTY OF COOK)

APPROVED BY THE VILLAGE COLLECTOR OF THE VILLAGE OF MOUNT PROSPECT, COOK COUNTY, ILLINOIS

THIS _____ DAY OF _____ 20____

BY _____
VILLAGE COLLECTOR

SURVEYORS CERTIFICATE

STATE OF ILLINOIS)
SS)
COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, MARIA MELISSA CONTRERAS, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PROPERTY SHOWN HEREON, THAT THIS SURVEY WAS MADE BY ME OR UNDER MY DIRECT SUPERVISION FOR THE PURPOSE OF GRANTING TO THE VILLAGE OF MOUNT PROSPECT, COOK COUNTY, ILLINOIS A PERMANENT EASEMENT FOR BRIDGE AND PATH PURPOSES AND THAT THE PLAT HEREON DRAWN IS A CORRECT REPRESENTATION OF SAID EASEMENT. DATED THIS 18th DAY OF July, 2025.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-4055
LICENSE EXPIRATION DATE: 11/30/2026

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY BEARINGS AND DISTANCE SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983. (2011 ADJUSTMENT).



LEGAL DESCRIPTION OF PARCEL

LOT 1 IN MEADOWS PARK PLAT OF CONSOLIDATION—PHASE ONE ACCORDING TO THE PLAT THEREOF RECORDED MARCH 3, 2004 AS DOCUMENT 0406339029, COOK COUNTY, ILLINOIS.

PERMANENT TAX NUMBER(S): 03-33-400-020; 03-33-405-021

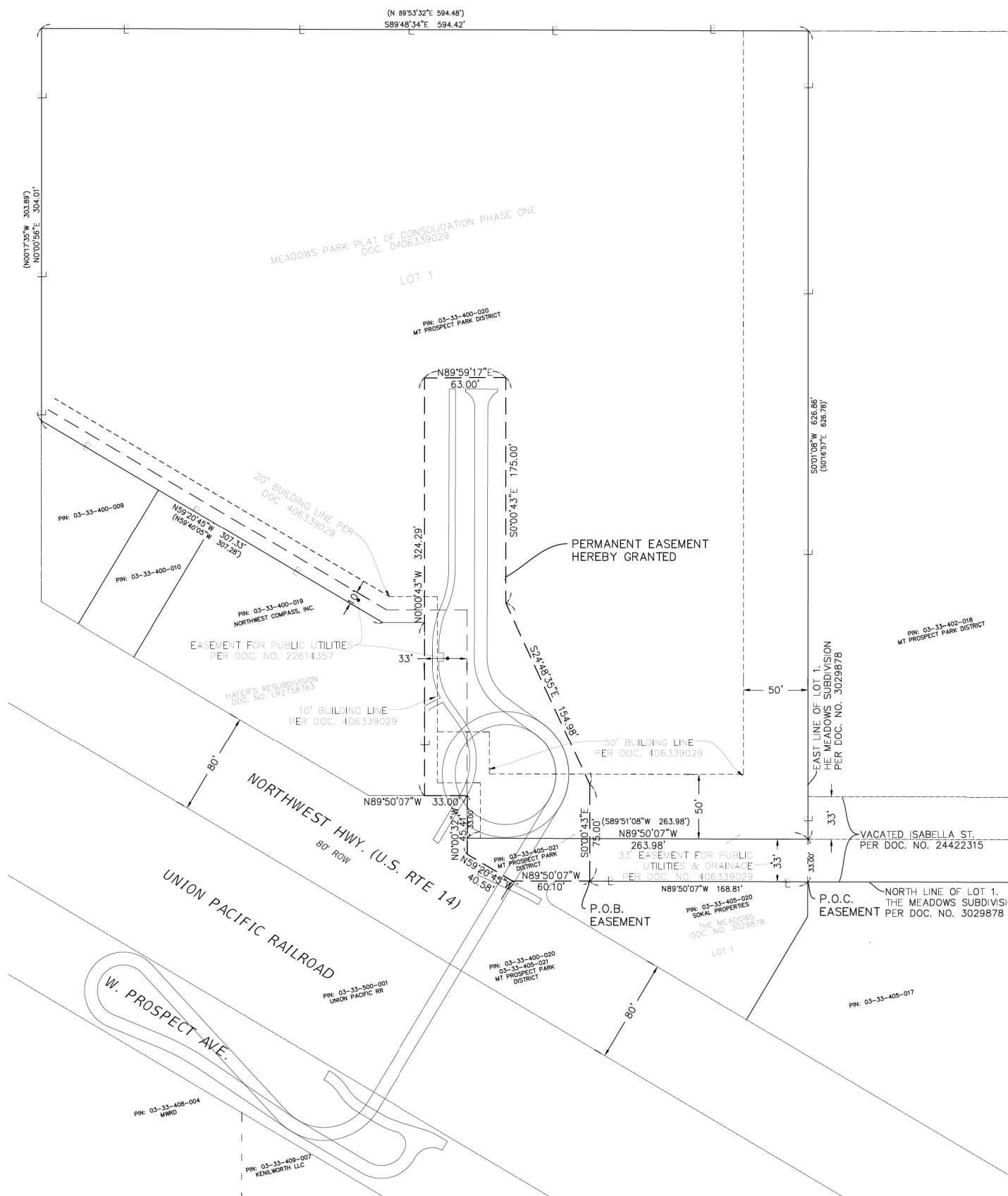
LEGAL DESCRIPTION OF PERMANENT EASEMENT PARCEL

THAT PART OF THE LOT 1, IN MEADOWS PARK PLAT OF CONSOLIDATION—PHASE ONE ACCORDING TO THE PLAT THEREOF RECORDED MARCH 3, 2004 AS DOCUMENT 0406339029, AND THAT PART OF VACATED ISABELLA STREET PER DOCUMENT NO. 24422315 DESCRIBED AS FOLLOWS WITH BEARINGS AND DISTANCES REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NAD 83 (2011). BEGINNING AT THE INTERSECTION OF THE NORTH LINE OF LOT 1 IN THE MEADOWS SUBDIVISION BEING A RESUBDIVISION OF PART OF THE NORTHWEST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 33, TOWNSHIP 42 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF REGISTERED IN THE OFFICE OF THE REGISTRAR OF TITLES OF COOK COUNTY, ON JULY 7, 1978 AS DOCUMENT 3029878, ALSO BEING THE SOUTH LINE OF SAID VACATED ISABELLA STREET, WITH THE SOUTHERLY EXTENSION OF THE EAST LINE OF SAID LOT 1 IN MEADOWS PARK PLAT OF CONSOLIDATION, THENCE NORTH 89 DEGREES 50 MINUTES 07 SECONDS WEST ALONG SAID SOUTH LINE OF VACATED ISABELLA STREET AND SAID NORTH LINE OF LOT 1, 168.81 FEET TO THE POINT OF BEGINNING; THENCE CONTINUING ALONG THE LAST DESCRIBED COURSE, 60.10 FEET, THENCE NORTH 59 DEGREES 20 MINUTES 45 SECONDS WEST, 40.58 FEET, THENCE NORTH 0 DEGREES 0 MINUTES 32 SECONDS WEST 45.41 FEET, THENCE NORTH 89 DEGREES 50 MINUTES 07 SECONDS WEST, 33.00 FEET, THENCE NORTH 0 DEGREES 0 MINUTES 43 SECONDS WEST 324.29 FEET, THENCE NORTH 89 DEGREES 59 MINUTES 17 SECONDS EAST, 63.00 FEET, 24 DEGREES 48 MINUTES 35 SECONDS EAST, 154.98 FEET, THENCE SOUTH 0 DEGREES 0 MINUTES 43 SECONDS EAST, 75.00 FEET TO THE POINT OF BEGINNING, SITUATED IN COOK COUNTY, ILLINOIS.

SAID PARCEL CONTAINING 0.723 ACRES, MORE OR LESS, OR 31,498 SQUARE FEET, MORE OR LESS.

PERMANENT EASEMENT FOR PEDESTRIAN AND BICYCLIST BRIDGE PROVISIONS

A PERMANENT EASEMENT FOR PEDESTRIAN AND BICYCLIST BRIDGE IMPROVEMENTS IS HEREBY GRANTED TO THE VILLAGE OF MOUNT PROSPECT, COOK COUNTY, ITS SUCCESSORS, AND ASSIGNS, A PERPETUAL NON-EXCLUSIVE EASEMENT OVER, ACROSS, UPON, ALONG, UNDER, IN AND THROUGH THAT PART OF THE HEREON CAPTIONED PROPERTY DESIGNATED ON THE PLAT AND MARKED "PERMANENT EASEMENT" WITH FULL AND FREE ENTRY FOR THE PURPOSE OF CONSTRUCTING, DESIGNING, SURVEYING, RECONSTRUCTING, REPAIRING, MAINTAINING, TRAVERSING, AND OBSERVING SAID PUBLIC IMPROVEMENT, INCLUDING ANY APPURTENANCES AS MAY BE DEEMED NECESSARY BY THE GRANTEE, INCLUDING THE RIGHT TO CUT, TRIM, OR REMOVE TREES, BUSHES AND ROOTS, AS WELL AS FOR THE RIGHT OF THE PUBLIC TO USE THE SIDEWALK AND BRIDGE.



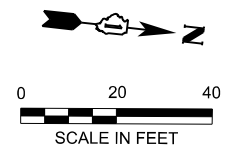
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

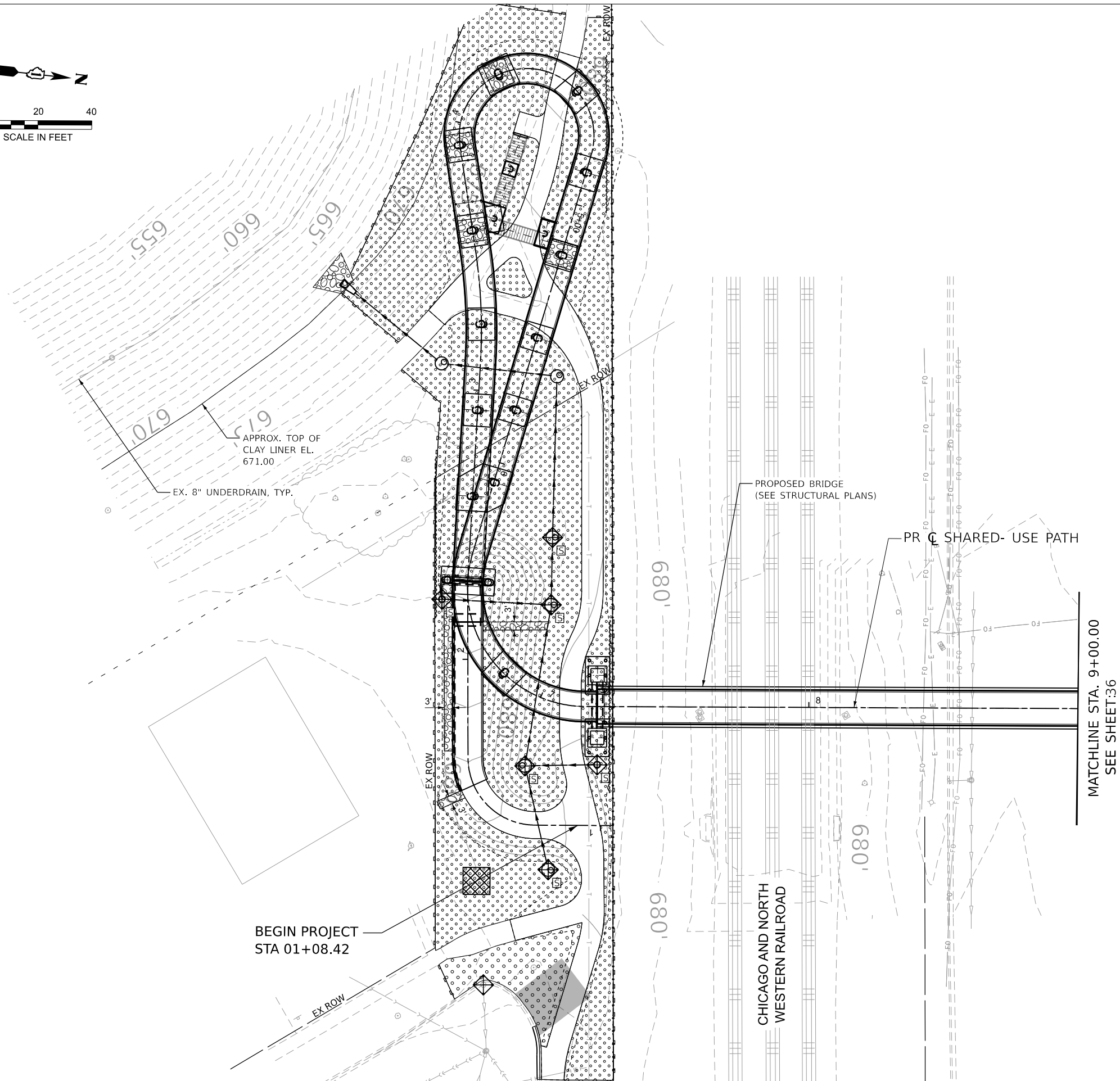
MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
PLAT OF HIGHWAY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	34
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

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EROSION CONTROL LEGEND	
	TEMPORARY EROSION CONTROL SEEDING, TEMPORARY EROSION CONTROL BLANKET
	INLET FILTER
	INLET PROTECTION (SPECIAL)
	PERIMETER EROSION BARRIER
	TEMPORARY DITCH CHECK
	STONE RIPRAP, CLASS A2 W/ FILTER FABRIC
	TEMPORARY CONCRETE WASHOUT BASIN
	STABILIZED CONSTRUCTION ENTRANCE



MODEL: \$MODELNAMES
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8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com









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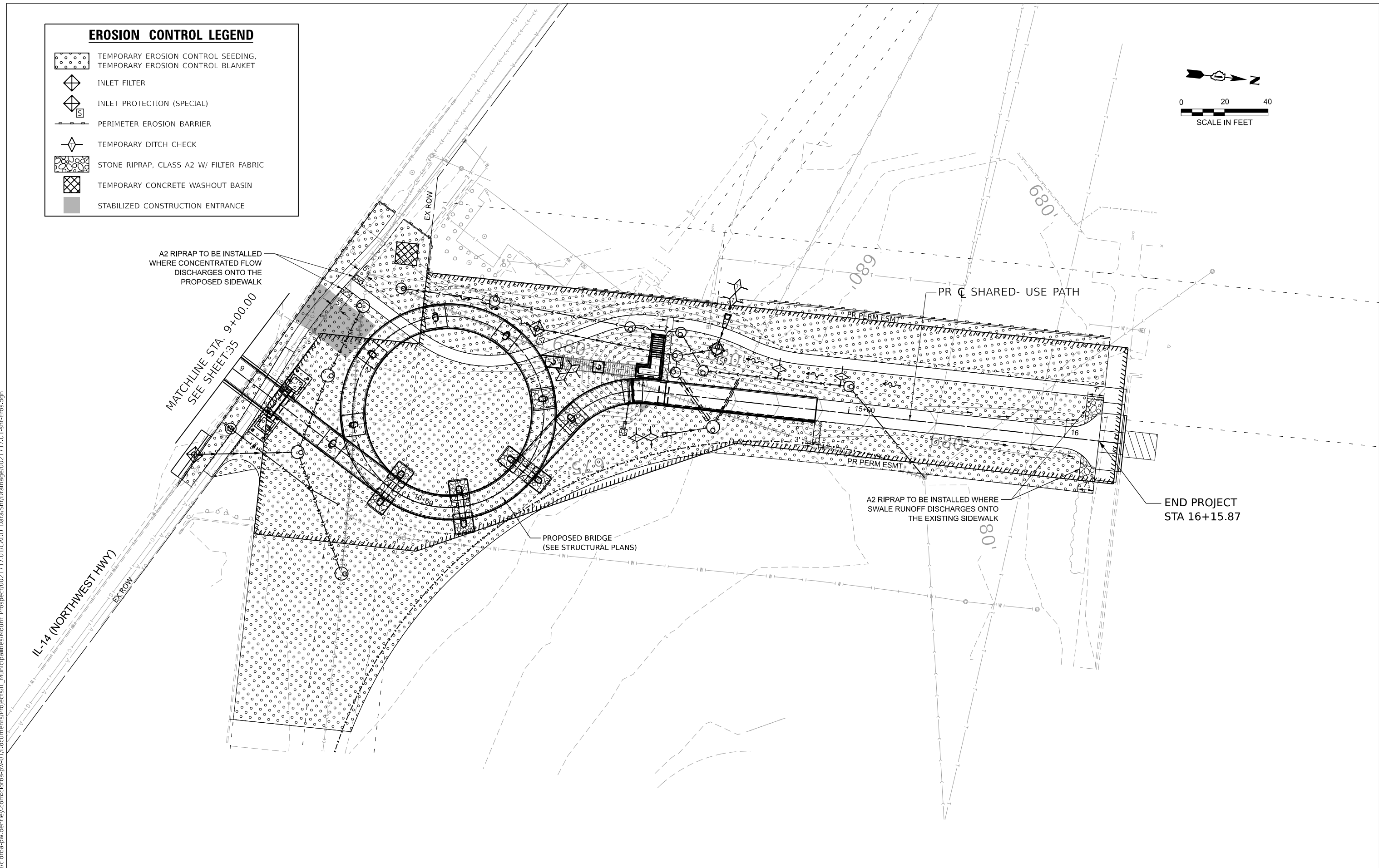
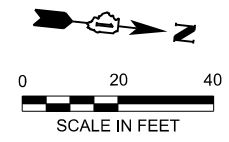
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
EROSION CONTROL PLAN
 SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 0+95.00 TO STA. 9+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	35
CONTRACT NO. 61M15				
ILLINOIS		FED. AID PROJECT		

EROSION CONTROL LEGEND

-  TEMPORARY EROSION CONTROL SEEDING,
TEMPORARY EROSION CONTROL BLANKET
-  INLET FILTER
-  INLET PROTECTION (SPECIAL)
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  STONE RIPRAP, CLASS A2 W/ FILTER FABRIC
-  TEMPORARY CONCRETE WASHOUT BASIN
-  STABILIZED CONSTRUCTION ENTRANCE



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PLOT SCALE =	DRAWN - PDB	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
EROSION CONTROL PLAN

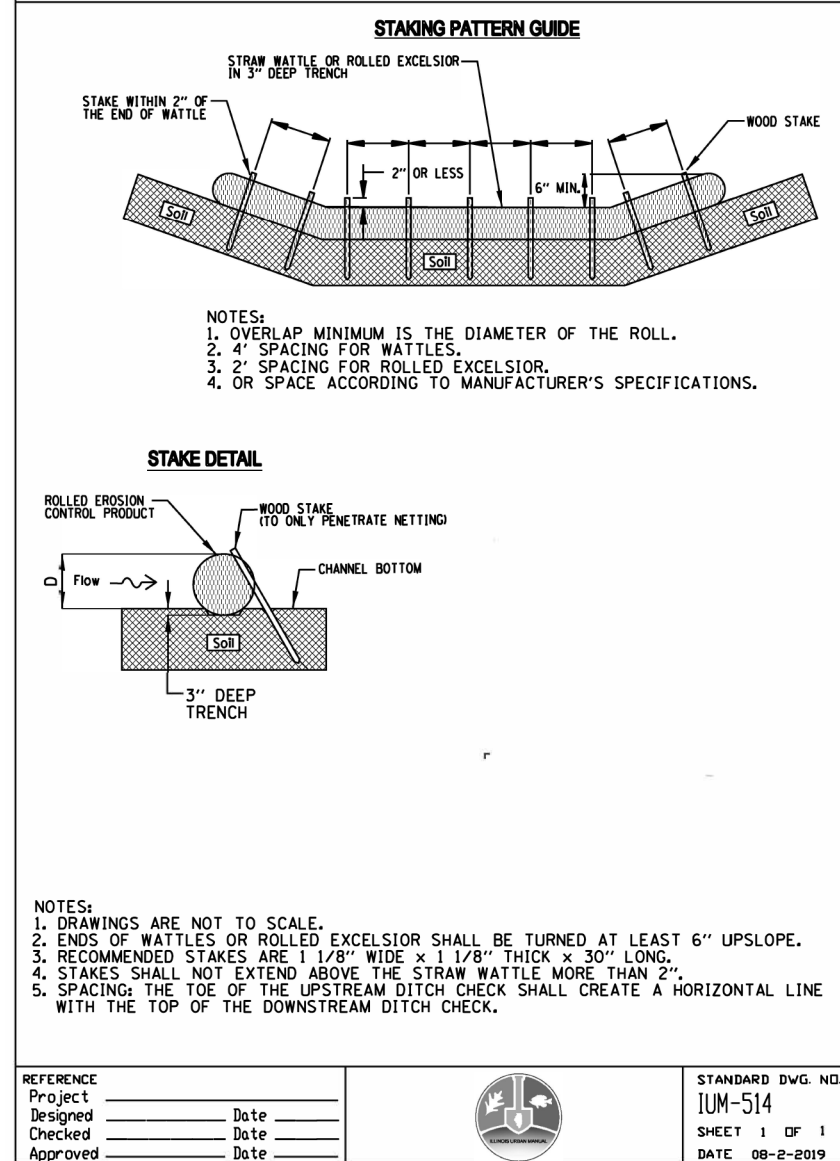
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	36
CONTRACT NO. 61M15				
ILLINOIS		FED. AID PROJECT		

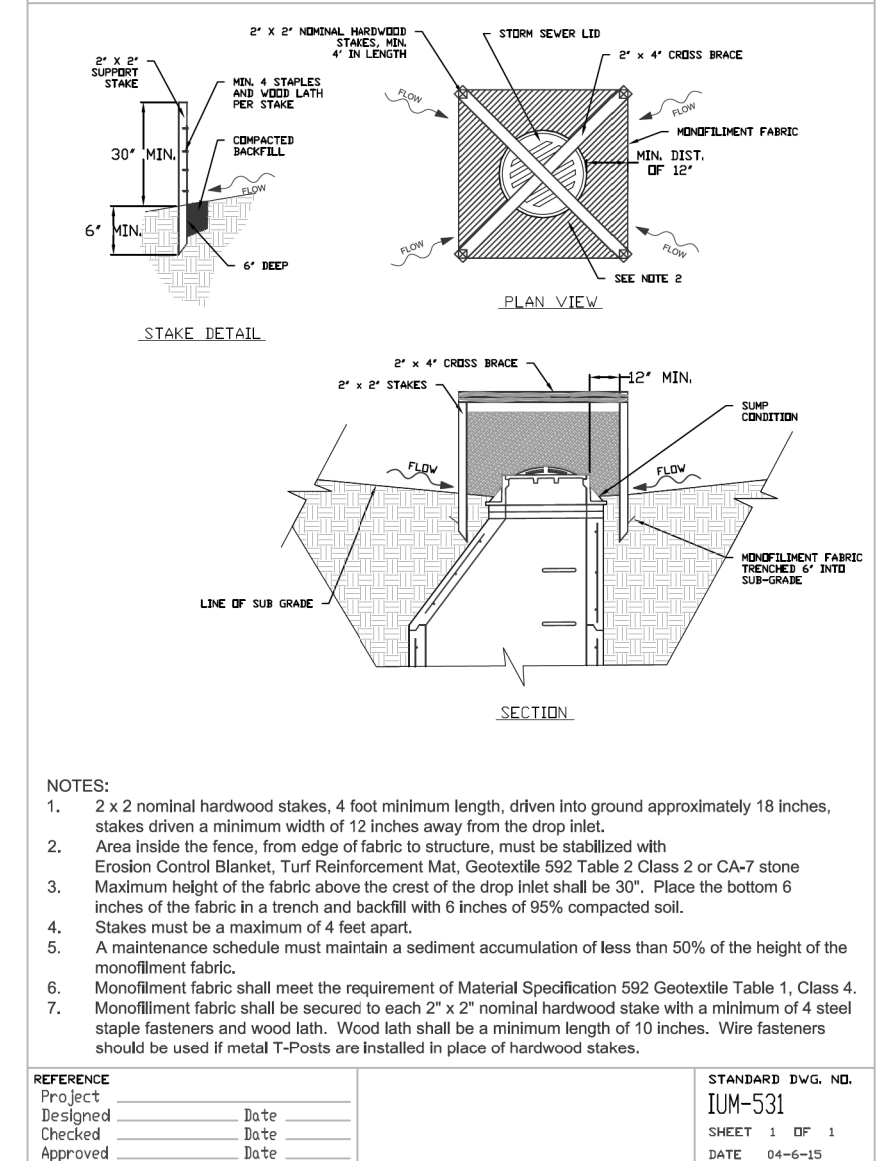
SOIL EROSION AND SEDIMENT CONTROL NOTES

- NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN OR NEAR THE CRITICAL AREAS SHOULD BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW. ONCE WORK IN THIS AREA BEGINS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PERFORMED.
- PROPERTIES AND CHANNELS ADJOINING THE DEVELOPMENT SITE SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION.
- SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURES).
- ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE STABILIZED.
- SOIL STOCKPILES SHALL NOT BE LOCATED IN FLOOD-PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES OR ISOLATED WATERS OF COOK COUNTY.
- CLEANING OF VEHICLES AND EQUIPMENT SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT POSSIBLE.
- ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKY EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
- THE PORTION OF THE SIDE SLOPE THAT IS ABOVE THE OBSERVED WATER ELEVATION SHALL BE STABILIZED AS SPECIFIED IN THE PLANS PRIOR TO ACCEPTING FLOWS. THE SUBSTRATE AND TOE OF SLOPE THAT HAS BEEN DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO PROPOSED OR PRE-CONSTRUCTION CONDITIONS AND FULLY STABILIZED PRIOR TO ACCEPTING FLOWS.
- UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED TO THE STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL, LATEST EDITION.
- THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRDGC) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION MEETING, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- A COPY OF THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE MAINTAINED AT THE SITE AT ALL TIMES.
- PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS, A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED FOR REVIEW BY THE MWRDGC.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE MWRDGC.
- DURING DEWATERING OPERATIONS, WATER WILL BE FILTERED, OR PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO STREAMS, WETLANDS, FIELD TILES, OR STORMWATER STRUCTURES IS PROHIBITED.
- IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S), WHO MAY PERFORM WORK ON THIS SITE/PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND ASSURE COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

ROLLED EROSION CONTROL PRODUCTS



INLET PROTECTION -MONOFILAMENT FABRIC BARRIER FENCE

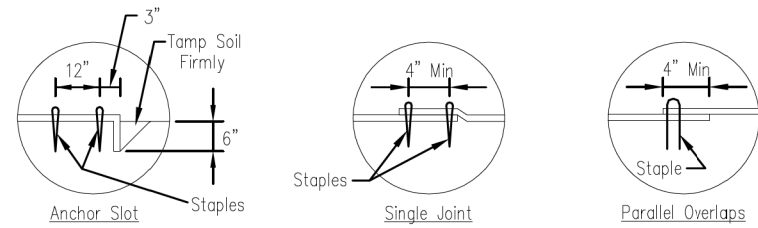
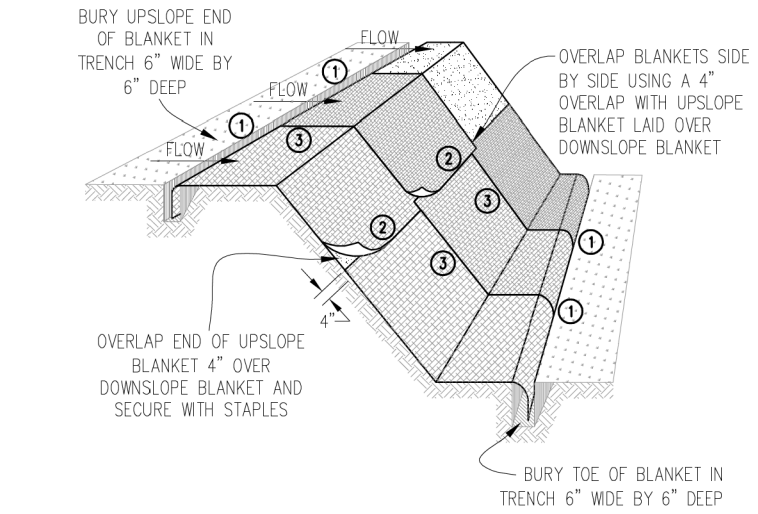


INLET PROTECTION (SPECIAL)

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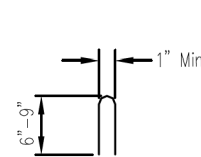
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3512	21-00174-00-BR	COOK	154	37
CONTRACT NO.61M15				
ILLINOIS FED. AID PROJECT				



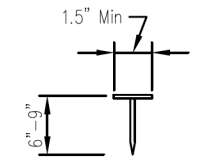
DETAIL 1

DETAIL 2

DETAIL 3



STAPLE DETAIL

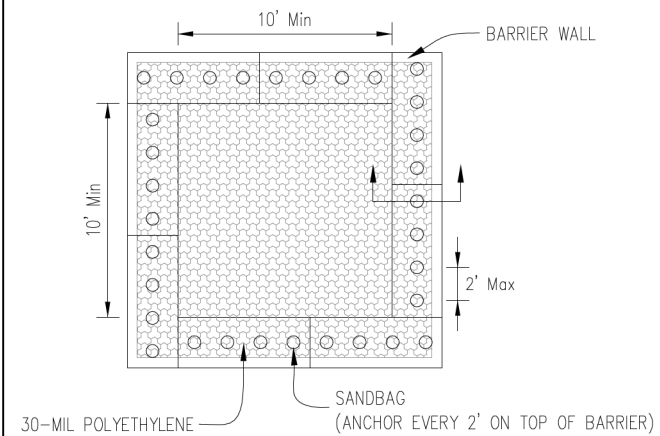


PUSH PIN DETAIL

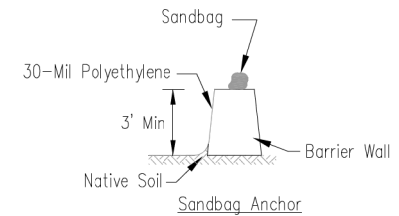
NOTES:

1. Staples shall be placed in a diamond pattern at 2 per s.y. for stiched blankets. Non-stiched shall use 4 staples per s.y. of material. This equates to 200 staples with stiched blanket and 400 stapels with non-stiched blanket per 100 s.y. of material.
2. Staple or push pin lengths shall be selected based on soil type and conditions. (minimum staple length is 6")
3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
4. All anchor slots shall be stapled at approximately 12" intervals.

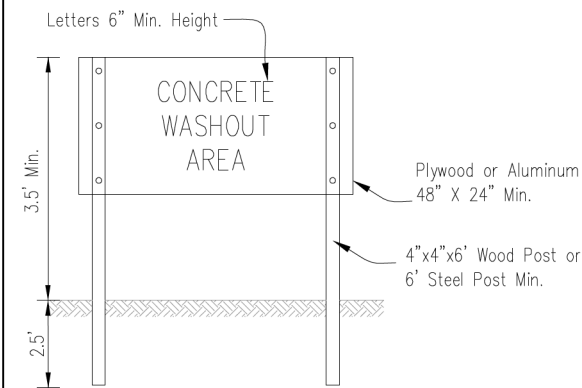
Sheet 1 of 1	Drawn JLM-530	Designed E. JOHNSON	Date 11/08
EROSION CONTROL BLANKET INSTALLATION DETAILS		Checked	Approved



PLAN VIEW



BARRIER WALL ANCHOR SECTION



SIGN DETAIL

NOTES:

1. Maintaining temporary concrete washout facilities shall include removing and disposing of hardend concrete and/or slurry and returning the facilities to a functional condition.
2. Facility shall be cleaned or reconstructed in a new area once washout becomes two-thirds full.

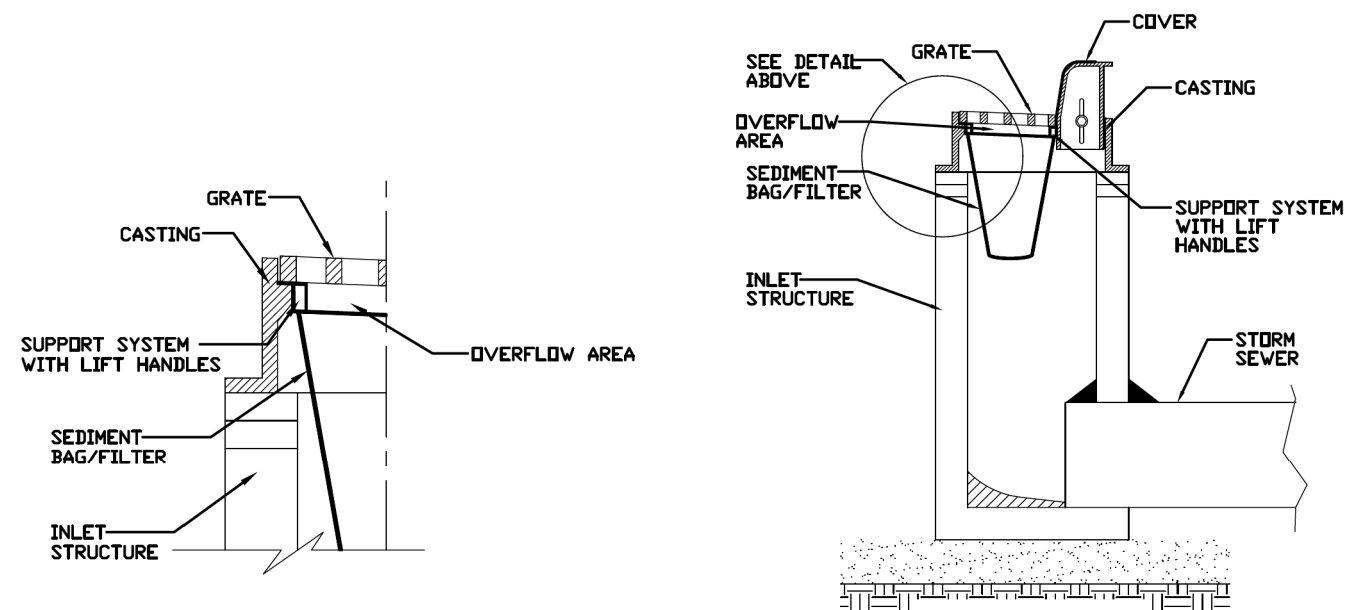
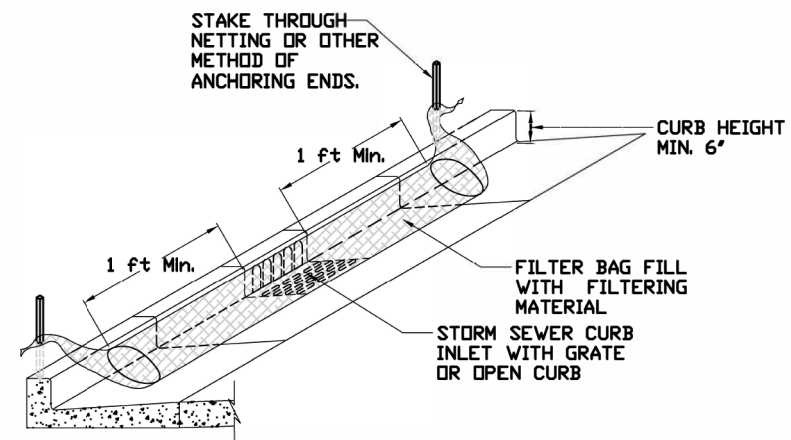
Sheet 3 of 3	Drawn MRS/59-7/11	Designed E. JOHNSON	Date 6/08
TEMPORARY CONCRETE WASHOUT FACILITY - BARRIER WALL		Checked	Approved

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	38
CONTRACT NO. 61M15				
		ILLINOIS	FED. AID PROJECT	

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**INLET FILTER
 PAVED AREAS / DROP PROTECTION**



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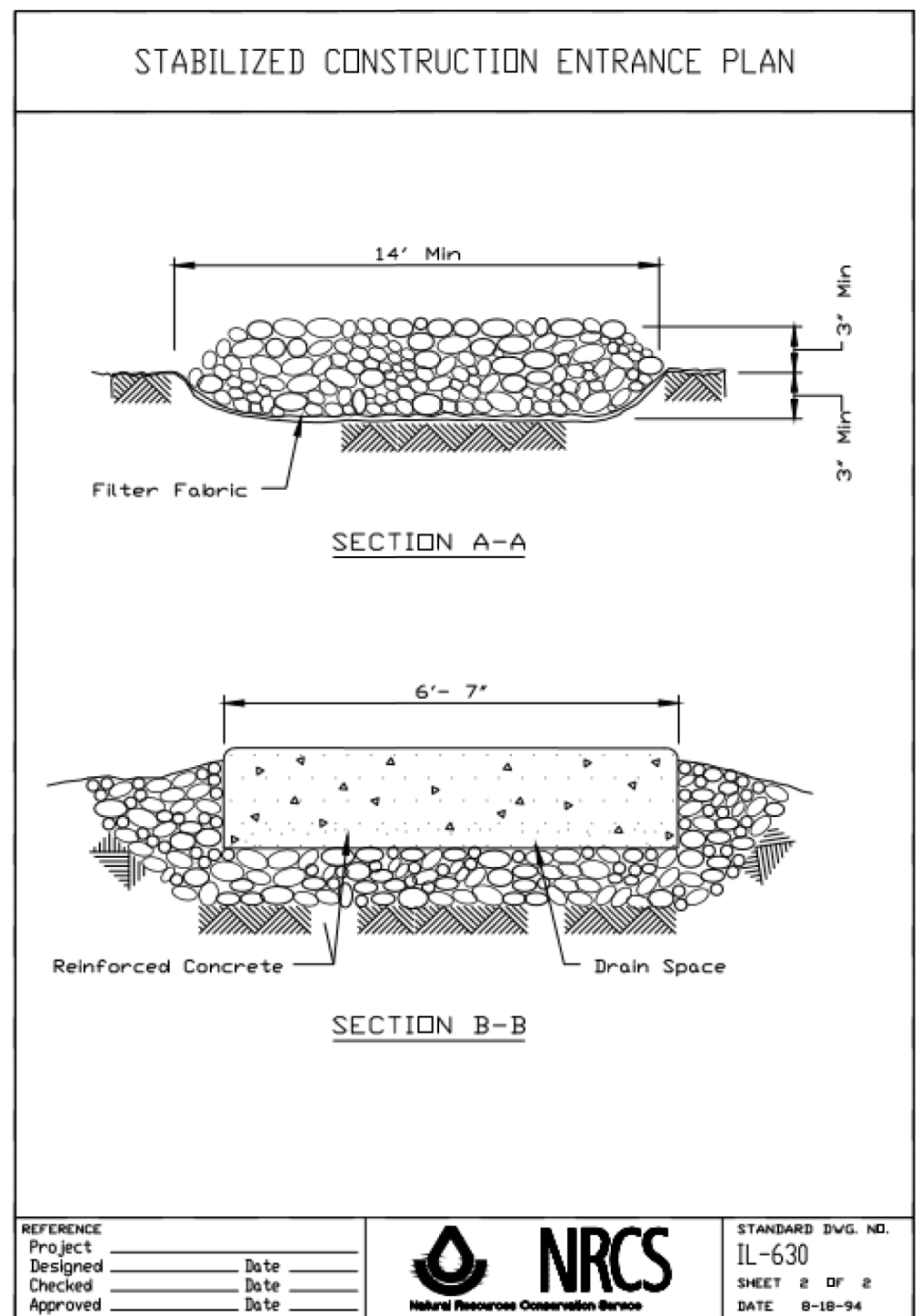
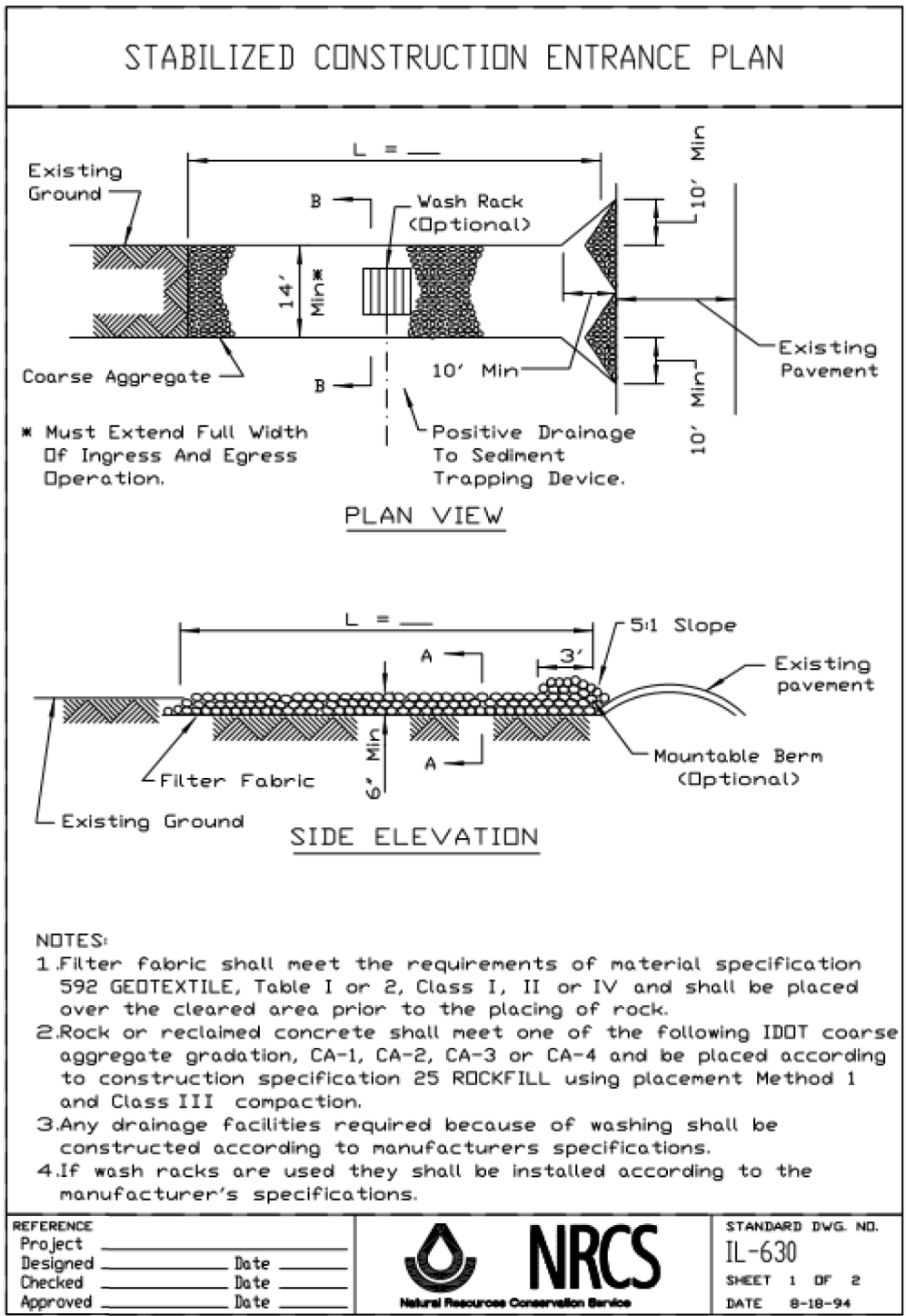
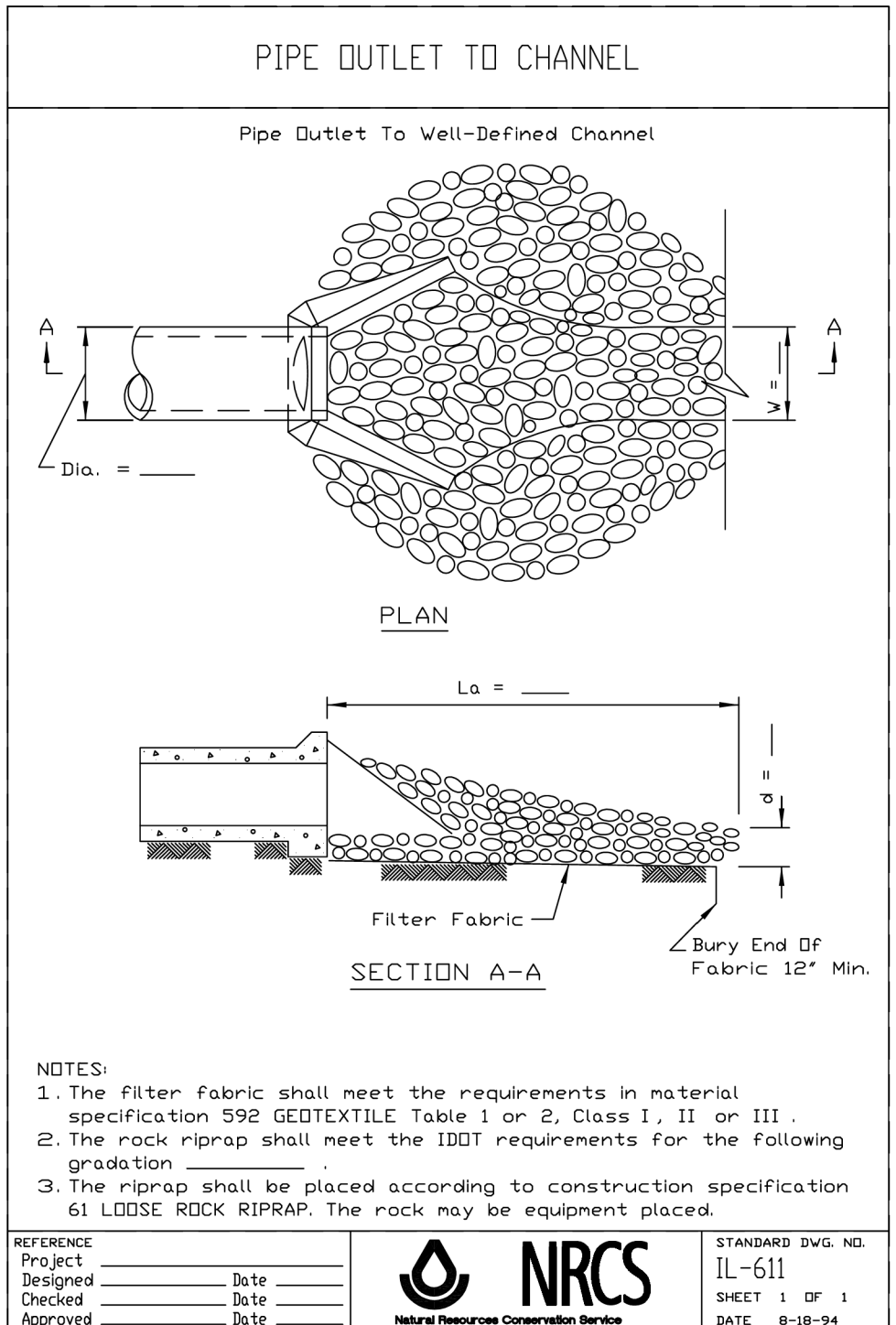
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
 EROSION CONTROL NOTES AND DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	39
CONTRACT NO.61M15				
		ILLINOIS	FED. AID PROJECT	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
EROSION CONTROL NOTES AND DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	40
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

I. SITE DESCRIPTION

- A. THE FOLLOWING IS A DESCRIPTION OF THE PROJECT LOCATION: THE PROJECT CONSISTS OF CONSTRUCTING A PEDESTRIAN BRIDGE OVER ILL-14 AT MELAS AND MEADOWS PARKS IN MOUNT PROSPECT, ILLINOIS.
B. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS SUBJECT OF THIS PLAN: CONSTRUCTION INCLUDES EARTH EXCAVATION, BRIDGE STRUCTURE INSTALLATION, WATER MAIN AND SEWER INSTALLATION, CONSTRUCTING NEW PEDESTRIAN PATH PAVEMENTS, GRADING AND OTHER MISCELLANEOUS ITEMS OF CONSTRUCTION.
C. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS GRUBBING, EXCAVATION AND GRADING:
1. INSTALLATION OF TEMPORARY EROSION CONTROL MEASURES AND TREE PROTECTION.
2. REMOVAL AND RELOCATION OF EXISTING SEWERS AND WATER MAIN. REMOVAL OF EXISTING PAVEMENTS.
3. EARTH EXCAVATION AND INSTALLATION OF PEDESTRIAN BRIDGE STRUCTURES.
4. MASS GRADING.
5. INSTALLATION OF PROPOSED PAVEMENTS.
6. FINAL GRADING, TOPSOIL PLACEMENT, AND INSTALLATION OF PERMANENT STABILIZATION MEASURES.
7. REMOVAL OF TEMPORARY EROSION CONTROL MEASURES AND TREE PROTECTION.
D. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE APPROXIMATELY: +/- 1.15 ACRES, OF WHICH 1.05 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.
E. THE FOLLOWING IS A WEIGHTED AVERAGE OF THE RUNOFF COEFFICIENT FOR THIS PROJECT AFTER CONSTRUCTION ACTIVITY IS COMPLETED: C = 0.80.
F. THE FOLLOWING IS A DESCRIPTION OF THE SOIL TYPES FOUND AT THE PROJECT SITE FOLLOWED BY INFORMATION REGARDING THEIR EROSIIVITY:

PER MAPS OBTAINED FROM THE USDA NRCS WEB SOIL SURVEY. SOILS WITHIN THE PROPOSED LIMITS OF DISTURBANCE ARE CLAYEY SOILS BELONGING TO HYDROLOGIC SOIL GROUPS D, GROUP D SOILS GENERALLY HAVE A SLOW INFILTRATION RATE, AND A SLOW RATE OF WATER TRANSMISSION, WITH VERY HIGH RUNOFF. EROSION CONTROL CLASS 1 IS OBSERVED, WITH LESS THAN 25% OF ORIGINAL SOIL LOST.

G. THE FOLLOWING IS A DESCRIPTION OF POTENTIALLY EROSIIVE AREAS ASSOCIATED WITH THIS PROJECT:

AT PROPOSED STORM SEWER OUTFALLS, AND ALONG SELECT RETAINING WALLS AND PIERS.
H. THE FOLLOWING IS A DESCRIPTION OF SOIL DISTURBING ACTIVITIES, THEIR LOCATIONS, AND THEIR EROSIIVE FACTOR (E.G. STEEPNESS OF SLOPE, LENGTH OF SLOPE, ETC):

THE SOIL DISTURBING ACTIVITIES CONSIST OF GRADING AND GENERAL INFRASTRUCTURE IMPROVEMENTS OVER THE ENTIRE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL DISTURBANCES WITHIN THE SITE, AND SHALL PROTECT ALL OFF-SITE AREAS AS NEEDED.

I. SEE THE ENGINEERING PLANS FOR THIS CONTRACT FOR INFORMATION REGARDING DRAINAGE PATTERS, APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES, LOCATION WHERE VEHICLES ENTER AND EXIT THE SITE AND CONTROLS TO PREVENT OFFSITE SEDIMENT TRACKING (TO BE ADDED AFTER CONTRACTOR IDENTIFIES LOCATIONS), AREA OF SOIL DISTURBANCE, THE LOCATION OF MAJOR STRUCTURAL AND NON -STRUCTURAL CONTROLS IDENTIFIED IN THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS) AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO SURFACE WATER INCLUDING WETLANDS.

J. THE FOLLOWING IS A LIST OF RECEIVING WATER(S) AND THE ULTIMATE RECEIVING WATER(S), AND AERIAL EXTEND OF WETLAND ACREAGE AT THE SITE. THE LOCATION OF THE RECEIVING WATERS CAN BE FOUND ON THE EROSION AND SEDIMENT CONTROL PLAN:

- THE CLOSEST RECEIVING WATER IS WELLER CREEK. THE ULTIMATE RECEIVING WATER IS THE DES PLAINES RIVER
• THE TOTAL AREA OF WETLANDS WITHIN THE PROJECT AREA IS: 0.0. ACRES.
• THERE ARE NO WOUS NEAR THE PROJECT LIMITS.

K. THE FOLLOWING POLLUTANTS OF CONCERN WILL BE ASSOCIATED WITH THIS CONSTRUCTION PROJECT

- COMBINED STAGING AREA—SMALL FUELING ACTIVITIES, MINOR EQUIPMENT MAINTENANCE, SANITARY FACILITIES, WASTE COLLECTION AND HAZARDOUS WASTE STORAGE.
• MATERIALS STORAGE AREA—GENERAL BUILDING MATERIALS, CONCRETE MATERIALS, AGGREGATES, TOPSOIL AND OTHER LANDSCAPING MATERIALS, TRASH.
• CONSTRUCTION ACTIVITY—END SECTION INSTALLATION - CONCRETE POURING/MORTAR/STUCCO, AGGREGATES INSTALLATION, TREE REMOVAL, GRADING.
• CONCRETE WASHOUT AREA

II. CONTROLS

THIS SECTION OF THE PLAN ADDRESSES THE CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN I.C. ABOVE AND FOR ALL THE USE AREAS, BORROW SITES, AND WASTE SITES. FOR EACH MEASURE DISCUSSED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. THE CONTRACTOR SHALL PROVIDE TO THE RESIDENT ENGINEER A PLAN FOR THE IMPLEMENTATION OF THE MEASURES INDICATED. THE CONTRACTOR, AND SUBCONTRACTORS, WILL NOTIFY THE RESIDENT ENGINEER OF ANY PROPOSED CHANGES, MAINTENANCE, OR MODIFICATIONS TO KEEP CONSTRUCTION COMPLIANT WITH THE PERMIT. EACH LISTED CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH ARE ATTACHED TO, AND ARE A PART OF THIS PLANS:

A. EROSION AND SEDIMENT CONTROL.

1. STABILIZED PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES, INCLUDING SITE SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTION OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SODDING, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES. EXCEPT AS PROVIDED BELOW IN II(A)(1)(a) AND II(A)(3) AND AS SPECIFIED IN THE PERMIT, STABILIZATION EFFORTS MUST BE INITIATED WITHIN 1 WORKING DAY OF CESSATION OF CONSTRUCTION ACTIVITIES IF THE PORTION WILL NOT BE DISTURBED FOR AT LEAST 14 CALENDAR DAYS. STABILIZATION EFFORTS MUST BE COMPLETED WITHIN 14 CALENDAR DAYS. A RECORD OF DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, AND WHEN STABILIZATION MEASURES ARE INITIATED MUST BE INCLUDED IN THE SWPPP.

a. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS PRACTICABLE THEREAFTER.

THE FOLLOWING STABILIZATION PRACTICES WILL BE USED FOR THIS PROJECT: TEMPORARY BLANKET & SEEDING, PERMANENT SEEDING AS SHOWN ON THE PLANS.

DESCRIBE HOW THE STABILIZATION PRACTICES LISTED ABOVE WILL BE UTILIZED:

SEE THE EROSION CONTROL PLANS, NOTES, AND DETAILS. THE SWPPP SHALL BE MODIFIED AS NECESSARY BY THE CONTRACTOR DURING CONSTRUCTION TO PREVENT SEDIMENT FROM LEAVING THE SITE OR ENTERING THE OFFSITE STORM WATER.

2. STRUCTURAL PRACTICE: PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES THAT WILL BE IMPLEMENTED, TO THE DEGREE ATTAINABLE, TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: PERIMETER EROSION BARRIER, EARTH DIKES, DRAINAGE SWALES, SEDIMENT TRAPS, DITCH CHECKS, SUBSURFACE DRAINS, PIPE SLOPE DRAINS, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, ROCK OUTLET PROTECTION, REINFORCED SOIL TENSILING SYSTEMS, GABIONS, AND TEMPORARY OR PERMANENT SEDIMENT BASINS. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

THE FOLLOWING STRUCTURAL PRACTICES WILL BE USED FRO THIS PROJECT: PERIMETER EROSION CONTROL (SILT) FENCE, TEMPORARY DITCH CHECKS, STRUCTURE INLET PROTECTION, AND ROCK OUTLET PROTECTION.

DESCRIBE HOW THE STRUCTURAL PRACTICES LISTED ABOVE WILL BE UTILIZED.

SEE THE EROSION CONTROL PLANS, NOTES, AND DETAILS. THE SWPPP SHALL BE MODIFIED AS NECESSARY BY THE CONTRACTOR DURING CONSTRUCTION TO PREVENT SEDIMENT FROM LEAVING THE SITE.

3. STORM WATER MANAGEMENT: PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF THESE DEVICES MA BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: STORM WATER DETENTION STRUCTURES (INCLUDING WET PONDS), STORM WATER RETENTION STRUCTURES, FLOW ATTENUATION BY USE OF OPEN VEGETATED SWALES AND NATURAL DEPRESSIONS, INFILTRATION OF RUNOFF ON SITE, AND SUBSEQUENTIAL SYSTEMS (WHICH COMBINE SEVERAL PRACTICES).

THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF THE TECHNICAL GUIDANCE IN CHAPTER 41 (CONSTRUCTION SITE STORMWATER POLLUTION CONTROL) OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF DESIGN AND ENVIRONMENTAL MANUAL. IF PRACTICES OTHER THAN THOSE DISCUSSED IN CHAPTER 41 ARE SELECTED FOR IMPLEMENTATION OR IF PRACTICES ARE APPLIED TO SITUATIONS DIFFERENT FROM THOSE COVERED IN CHAPTER 41, THE TECHNICAL BASIS FOR SUCH DECISIONS WILL BE EXPLAINED BELOW.

VELOCITY DISSIPATION DEVICES WILL BE PLACED AT DISCHARGES LOCATION AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON -EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G. MAINTAINED AND PROTECTED (E.G. MAINTENANCE OF HYDROLOGIC CONDITIONS SUCH AS THE HYDROPERIOD AND HYDRODYNAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES).

DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS: INSTALLING TEMPORARY DITCH CHECKS ALONG CONCENTRATED FLOW PATHS, AND RIPRAP OUTLET PROTECTION AT SEWER OUTFALLS.

4. OTHER CONTROLS:

a. VEHICLE ENTRANCES AND EXISTS - STABILIZED CONSTRUCTION ENTRANCES AND EXISTS MUST BE CONSTRUCTED TO PREVENT TRACKING OF SEDIMENTS ONTO ROADWAYS.

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN IDENTIFYING THE LOCATION OF STABILIZED ENTRANCES AND EXISTS AND THE PROCEDURES (S)HE WILL USE TO CONSTRUCT AND MAINTAIN THEM.

- b. MATERIAL DELIVERY, STORAGE, AND USE - THE FOLLOWING BMP'S SHALL BE IMPLEMENTED TO HELP PREVENT DISCHARGES OF CONSTRUCTION MATERIALS DURING DELIVERY, STORAGE, AND USE:
• ALL PRODUCTS DELIVERED TO THE PROJECT SITE MUST BE PROPERLY LABELED.
• WATER TIGHT SHIPPING CONTAINERS AND/OR SEMI TRAILERS SHALL BE USED TO STORE HAND TOOLS, SMALL PARTS, AND MOST CONSTRUCTION MATERIALS THAT CAN BE CARRIED BY HAND, SUCH AS PAINT CANS, SOLVENTS, AND GREASE.
• A STORAGE/ CONTAINMENT FACILITY SHOULD BE CHOSEN FOR LARGER ITEMS SUCH AS DRUMS AND ITEMS SHIPPED OR STORED ON PALLETS, SUCH MATERIAL IS TO BE COVERED BY A TIN ROOF OR LARGE SHEETS OF PLASTIC TO PREVENT PRECIPITATION FROM COMING IN CONTACT WITH THE PRODUCTS BEING STORED.
• LARGE ITEMS SUCH AS LIGHT STANDS, FRAMING MATERIALS AND LUMBER SHALL BE STORED IN THE OPEN IN A GENERAL STORAGE AREA. SUCH MATERIAL SHALL BE ELEVATED WITH WOOD BLOCKS TO MINIMIZE CONTACT WITH STORM WATER RUNOFF.
• SPILL CLEAN-UP MATERIALS, MATERIAL SAFETY DATA SHEETS, AN INVENTORY OF MATERIALS, AND EMERGENCY CONTACT NUMBERS SHALL BE MAINTAINED AND STORED IN ONE DESIGNATED AREA AND EACH CONTRACT IS TO INFORM HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER OF THIS LOCATION.
c. STOCKPILE MANAGEMENT - BMP'S SHALL BE IMPLEMENTED TO REDUCE OR ELIMINATE POLLUTION OF STORM WATER FROM STOCKPILES OF SOIL AND PAVING MATERIALS SUCH AS BUT NOT LIMITED TO PORTLAND CEMENT CONCRETE RUBBLE, ASPHALT CONCRETE, ASPHALT CONCRETE RUBBLE. AGGREGATE BASE, AGGREGATE SUB BASE, AND PRE- MIXED AGGREGATE. THE FOLLOWING BMP'S MAY BE CONSIDERED:
• PERIMETER EROSION BARRIER
• TEMPORARY SEEDING
• TEMPORARY EROSION CONTROL BLANKET
• PLASTIC COVERS
• SOIL BINDERS
• STORM DRAIN INLET PROTECTION

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN OF THE PROCEDURES S(HE) WILL USE ON THE PROJECT AND HOW THEY WILL BE MAINTAINED.

d. WASTE DISPOSAL - NO MATERIAL, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED INTO WATERS OF THE US, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

e. THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.

f. THE CONTRACTOR SHALL PROVIDE A WRITTEN AND GRAPHIC PLAN TO THE RESIDENT ENGINEER IDENTIFYING WHERE EACH OF THE ABOVE AREAS WILL BE LOCATED AND HOW THEY ARE TO BE MANAGED.

5. POLLUTION PREVENTION:

THE CONTRACTOR SHALL INSTALL, AND MAINTAIN EFFECTIVE POLLUTION PREVENTION MEASURES TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM CONSTRUCTION ACTIVITIES. AT A MINIMUM, SUCH MEASURES SHOULD:

- a. MINIMIZE THE DISCHARGE OF POLLUTANT FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATER. WASH WATER MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDE EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
b. MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, AND OTHER MATERIALS PRESENT ON THE SITE TO PRECIPITATION AND TO STORM WATER. MINIMIZATION TO EXPOSURE IS NOT REQUIRED FOR ANY PRODUCTS OR MATERIALS WHERE THE EXPOSURE TO PRECIPITATION AND TO STORMWATER WILL NOT RESULT IN A DISCHARGE OF POLLUTANTS, OR WHEN EXPOSURE OF A SPECIFIC MATERIAL OR PRODUCT POSSES LITTLE RISK OF STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).
c. MINIMIZE THE DISCHARGE OF POLLUTANT FROM SPILLS, LEAKS AND VEHICLE AND EQUIPMENT MAINTENANCE AND REPAIR ACTIVITIES AND IMPLEMENT CHEMICAL SPILL AND LEAK PREVENTION PROCEDURES.
d. MINIMIZE THE EXPOSURE OF FUEL, OIL, HYDRAULIC FLUIDS, OTHER PETROLEUM PRODUCTS, AND OTHER CHEMICALS BY STORING IN COVERED AREAS OR CONTAINMENT AREAS. ANY CHEMICAL CONTAINERS WITH A STORAGE OF 55 GALLONS OR MORE MUST BE STORED A MINIMUM OF 50 FEET FROM RECEIVING WATERS, CONSTRUCTED OR NATURAL SITE DRAINAGE FEATURES, AND STORM DRAIN INLETS. IF INFEASIBLE DUE TO SITE CONSTRAINTS, STORE CONTAINERS AS FAR AWAY AS THE SITE PERMITS AND DOCUMENT IN THE SWPPP THE SPECIFIC REASONS WHY THE 50-FOOT SETBACK IS INFEASIBLE AND HOW THE CONTAINERS WILL BE STORED.
e. FOR CONSTRUCTION SITES THAT RECEIVE CONCRETE OR ASPHALT FROM OFF-SITE LOCATIONS, THE SWPPP MUST IDENTIFY AND INCLUDE APPROPRIATE CONTROLS AND MEASURES TO REDUCE OR ELIMINATE DISCHARGES FROM THESE ACTIVITIES.

6. APPROVED STATE AND LOCAL LAWS:

THE MANAGEMENT PRACTICES, CONTROLS AND PROVISIONS CONTAINED IN THIS PLAN WILL BE IN ACCORDANCE WITH IDOT SPECIFICATIONS, WHICH ARE LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S ILLINOIS URBAN MANUAL, 1995. PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS SHALL BE DESCRIBED OR INCORPORATED BY REFERENCE IN THE SPACE PROVIDED BELOW. REQUIREMENTS SPECIFIED IN SEDIMENT AND EROSION SITE PLANS, SITE PERMITS, STORM WATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY LOCAL OFFICIALS THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF AN NOI, TO BE AUTHORIZED TO DISCHARGE UNDER PERMIT ILLR10 INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN.

DESCRIPTION OF PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS:

SEE THE EROSION CONTROL PLANS, NOTES, AND DETAILS. THE SWPPP SHALL BE MODIFIED AS NECESSARY BY THE CONTRACTOR DURING CONSTRUCTION TO PREVENT SEDIMENT FROM LEAVING THE SITE OR ENTERING THE OFFSITE STORM SEWER.

III. MAINTENANCE

THE FOLLOWING IS THE DESCRIPTION OF PROCEDURES THAT WILL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, THE VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN. THE RESIDENT ENGINEER WILL PROVIDE MAINTENANCE GUIDES TO THE CONTRACTOR FOR THE PRACTICES ASSOCIATED WITH THIS PROJECT.

ALL DISTURBED AREA SHALL BE GRADED TO KEEP RUNOFF AND SEDIMENT ON-SITE TO THE GREATEST EXTEND POSSIBLE. SITE SHALL BE GRADED IN SUCH A MATTER TO DIRECT RUNOFF TO STORM STRUCTURE WILL CATCH-ALL INLET PROTECTION. CONTRACTOR SHALL MAINTAIN, REPLACE, CLEAN, AND ADD ADDITIONAL MEASURES AS NEEDED DURING THE PROGRESSION OF CONSTRUCTION TO PREVENT SEDIMENT, DEBRIS, ETC FROM LEAVING THE SITE.

IV. INSPECTIONS

QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT YET BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES AND EQUIPMENT ENTER AND EXIT THE SITE. SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR DISCHARGE DUE TO SNOWFALL. INSPECTIONS MAY BE REDUCED TO ONCE PER MONTH WHEN CONSTRUCTION ACTIVITIES HAVE CEASED DUE TO FROZEN CONDITIONS.

A. DISTURBED AREAS, GENERAL USE AREAS (STORAGE MATERIALS, STOCKPILES, MACHINE MAINTENANCE, FUELING, ETC.), AREAS EXPOSED TO PRECIPITATION AND ALL AREAS WHERE STORMWATER TYPICALLY FLOWS WITHIN THE SITE MUST BE INSPECTED FOR EVIDENCE OF OR THE POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE SWPPP AND CONTRACT PLANS MUST BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. ALL LOCATIONS WHERE STABILIZATION MEASURES HAVE BEEN IMPLEMENTED MUST BE OBSERVED TO ENSURE THAT THEY ARE STILL STABILIZED. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY MUST BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE MUST BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.

B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN SECTION I ABOVE AND POLLUTION PREVENTION MEASURES IDENTIFIED IN SECTION II ABOVE SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. ANY CHANGES TO THIS PLAN RESULTING FROM THE REQUIRED INSPECTIONS SHALL BE IMPLEMENTED WITHIN 1/2 HOUR TO 1 WEEK BASED ON THE URGENCY OF THE SITUATION. THE RESIDENT ENGINEER WILL NOTIFY THE CONTRACTOR OF THE TIME REQUIRED TO IMPLEMENT SUCH ACTIONS THROUGH THE WEEKLY INSPECTION REPORT.

C. IF DEWATERING IS USED, AND INSPECTION MUST BE CONDUCTED DURING THE DISCHARGE, ONE PER DAY ON WHICH THE DISCHARGE OCCURS AND A REPORT MUST BE FILED WITHIN 24 HOURS OF COMPLETION OF INSPECTION. THE REPORT SHALL INCLUDE INSPECTION DATE, PERSONNEL CONDUCTING THE INSPECTION THREE (3) YEARS AFTER THE DATE OF THE INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH POLLUTION OBSERVED AT THE POINT OF DISCHARGE.

D. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION IV(B) SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THIRTY (30) YEARS AFTER THE DATE OF THE INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT. ALL INSPECTION REPORTS MUST BE RETAINED AT THE CONSTRUCTION SITE, ANY FLOODING OR OTHER UNSAFE CONDITIONS THAT DELAY INSPECTIONS MUST BE DOCUMENTED IN THE INSPECTION REPORT.

E. IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE RESIDENT ENGINEER SHALL NOTIFY THE APPROPRIATE IEPA FIELD OPERATIONS SECTION OFFICE BY EMAIL AT: EPA.SWNONCOMP@ILLINOIS.GOV, TELEPHONE OR FAX WITHIN 24 HOURS OF THE INCIDENT. THE RESIDENT ENGINEER SHALL THEN COMPLETE AND SUBMIT AN "INCIDENCE OF NONCOMPLIANCE" (ION) REPORT FOR THE IDENTIFIED VIOLATION WITHIN 5 DAYS OF THE INCIDENT. THE RESIDENT ENGINEER SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT. ALL INSPECTION REPORTS MUST BE RETAINED AT THE CONSTRUCTION SITE. ANY FLOODING OR OTHER UNSAFE CONDITIONS THAT DELAY INSPECTIONS MUST BE DOCUMENTED IN THE INSPECTION REPORT.

THE INCIDENCE OF NON-COMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
TTN: COMPLIANCE ASSURANCE SECTION
1021 NORTH GRAND EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

V. NON-STORM WATER DISCHARGE

WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY ADDRESSED IN THIS PLAN MUST BE DESCRIBED BELOW. APPROPRIATE POLLUTION PREVENTION MEASURES, AS DESCRIBED BELOW, WILL BE IMPLEMENTED FOR THE NON-STORM WATER COMPONENT(S) OF THE DISCHARGE.

A. SPILL PREVENTION AND CONTROL - BMP'S SHALL BE IMPLEMENTED TO CONTAIN AND CLEAN-UP SPILLS AND PREVENT MATERIAL DISCHARGES TO THE STORM DRAIN SYSTEM. THE CONTRACTOR SHALL PRODUCE A WRITTEN PLAN STATING HOW HIS/HER COMPANY WILL PREVENT, REPORT, AND CLEAN UP SPILLS AND PROVIDE A COPY TO ALL OF HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER. THE CONTRACTOR SHALL NOTIFY ALL OF HIS/HER EMPLOYEES ON THE PROPER PROTOCOL FOR REPORTING SPILLS. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER OF ANY SPILLS IMMEDIATELY.

B. CONCRETE RESIDUALS AND WASHOUT WASTES - THE FOLLOWING BMP'S SHALL BE IMPLEMENTED TO CONTROL RESIDUAL CONCRETE, CONCRETE SEDIMENTS, AND RINSE WATER:
• TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED FOR RINSING OUT CONCRETE TRUCKS. SIGNS SHALL BE INSTALLED DIRECTING CONCRETE TRUCK DRIVERS WHERE DESIGNATED WASHOUT FACILITIES ARE LOCATED.
• THE CONTRACTOR SHALL HAVE THE LOCATION OF TEMPORARY CONCRETE WASHOUT FACILITIES APPROVED BY THE RESIDENT ENGINEER.
• ALL TEMPORARY CONCRETE WASHOUT FACILITIES ARE TO BE INSPECTED BY THE CONTRACTOR AFTER EACH USE AND ALL SPILLS MUST BE REPORTED TO THE RESIDENT ENGINEER AND CLEANED UP IMMEDIATELY.
• CONCRETE WASTE SOLIDS/LIQUIDS SHALL BE DISPOSED OF PROPERLY.

C. LITTER MANAGEMENT - A PROPER NUMBER OF DUMPSTERS SHALL BE PROVIDED ON SITE TO HANDLE DEBRIS AND LITTER ASSOCIATED WITH THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING HIS/HER EMPLOYEES PLACE ALL LITTER INCLUDING MARKING PAINT CANS, SODA CANS, FOOD WRAPPERS, WOOD LATHE, MARKING RIBBON, CONSTRUCTION STRIP, AND ALL OTHER CONSTRUCTION RELATED LITTER IN THE PROPER DUMPSTERS.

D.VEHICLE AND EQUIPMENT CLEANING - VEHICLES AND EQUIPMENT ARE TO BE CLEANED IN DESIGNATED AREAS ONLY, PREFERABLY OFF SITE.

E. VEHICLE AND EQUIPMENT FUELING - A VARIETY OF BMP'S CAN BE IMPLEMENTED DURING FUELING OF VEHICLES AND EQUIPMENT TO PREVENT POLLUTION. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER AS TO WHICH BMP'S WILL BE USED ON THE PROJECT. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER HOW (S)HE WILL BE INFORMING HIS/HER EMPLOYEES OF THESE BMP'S (I.E. SIGNS, TRAINING, ETC.). BELOW ARE A FEW EXAMPLES OF THESE BMP'S:
• CONTAINMENT
• SPILL PREVENTION AND CONTROL
• USE OF DRIP PANS AND ABSORBENTS
• AUTOMATIC SHUT-OFF NOZZLES
• TOPPING OFF RESTRICTIONS
• LEAK INSPECTION AND REPAIR

F. VEHICLE AND EQUIPMENT MAINTENANCE - ON SITE MAINTENANCE MUST BE PERFORMED IN ACCORDANCE WITH ALL ENVIRONMENTAL LAWS SUCH AS PROPER STORAGE AND NO DUMPING OF OLD ENGINE OIL OR OTHER FLUIDS ON SITE.

VI. FAILURE TO COMPLY:

FAILURE TO COMPLY WITH ANY PROVISIONS OF THIS STORM WATER POLLUTION PREVENTION PLAN WILL RESULT IN THE IMPLEMENTATION OF AN EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION AGAINST THE CONTRACTOR AND/OR PENALTIES UNDER THE NPDES PERMIT WHICH COULD BE PASSED ONTO THE CONTRACTOR.

VII. CORRECTIVE ACTION:

CORRECTIVE ACTION MUST BE TAKEN WHEN ANY OF THE FOLLOWING CONDITIONS ARE IDENTIFIED: A STORMWATER CONTROL NEEDS REPAIR OR REPLACEMENT; A STORMWATER CONTROL NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT WAS NEVER INSTALLED OR WAS INSTALLED INCORRECTLY; DISCHARGES ARE CAUSING AN EXCEEDANCE OF APPLICABLE WATER QUALITY STANDARDS; OR A PROHIBITED DISCHARGE OCCURRED.

CORRECTIVE ACTION MUST BE COMPLETED AS SOON AS POSSIBLE AND DOCUMENTED WITHIN 7 (SEVEN) DAYS IN AN INSPECTION REPORT OR REPORT OF NONCOMPLIANCE. THE SWPPP MUST BE MODIFIED WITHIN THE SAME 7 CALENDAR DAY TIME FRAME. IF IT IS INFEASIBLE TO COMPLETE THE INSTALLATION OR REPAIR WITHIN 7 CALENDAR DAYS, IT MUST BE DOCUMENTED IN THE RECORDS WHY IT IS INFEASIBLE TO COMPLETE THE INSTALLATION OR REPAIR WITHIN THE 7 DAY TIME FRAME AND DOCUMENT THE SCHEDULE FOR INSTALLING THE STORM WATER CONTROLS AND MAKING IT OPERATIONAL AS SOON AS FEASIBLE AFTER THE 7-DAY TIME FRAME. IN THE EVENT THAT MAINTENANCE IS REQUIRED FOR THE SAME STORM WATER CONTROL AT THE SAME LOCATION THREE OR MORE TIMES, THE CONTROL MUST BE REPAIRED IN A MANNER THAT PREVENTS CONTINUED FAILURE TO THE EXTENT FEASIBLE, AND IT MUST BE DOCUMENTED THE CONDITION AND HOW IT WAS REPAIRED IN THE RECORDS. ALTERNATIVELY, IT MUST BE DOCUMENTED WHY THE SPECIFIC REOCCURENCE OF THIS SAME ISSUE MUST CONTINUE TO BE ADDRESSED AS A ROUTINE MAINTENANCE FIX.

ADDITIONAL EROSION CONTROL NOTES:

1. PRIOR TO COMMENCEMENT OF CONSTRUCTION, ON SITES THAT WILL ULTIMATELY RESULT IN THE DISTURBANCE OF ONE (1) ACRE OR MORE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A COPY OF THE NOTICE OF CHANGE LETTER AND THE IEPA NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT ILLR10 FROM THE OWNER. THE OWNER TOGETHER ALONG WITH THE CONTRACTOR AND/OR OTHER ENTITIES IF SO DESIGNATED BY THE OWNER, SHALL BE RESPONSIBLE FOR ENSURING THAT ALL THE REQUIREMENTS OF THE GENERAL PERMIT AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) INCLUDING BUT NOT LIMITED TO THE INSTALLATION, MAINTENANCE AS WELL AS THE INSTALLATION OF ANY ADDITIONAL MEASURES NECESSARY THAT MAY BE REQUIRED, AND INSPECTIONS OF THE SOIL EROSION AND SEDIMENT CONTROL MEASURES AS WELL AS COMPLETING ALL OF THE NECESSARY APPLICABLE CERTIFICATIONS, REPORTS, LOGS, ETC. INSPECTIONS ARE REQUIRED TO BE PERFORMED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OF RAIN (OR EQUIVALENT SNOWFALL) OR GREATER. THE SWPPP AND ALL THE REQUIRED PAPERWORK SHALL BE KEPT ON-SITE AND BE ORGANIZED AND READY FOR VIEWING.

2. ALL EROSION CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO ANY DEMOLITION, EARTH MOVING ACTIVITIES OR OTHER DISTURBANCE.

3. CONTRACTOR TO ESTABLISH A TEMPORARY STABILIZED CONSTRUCTION ENTRANCE AS WELL AS INSTALL ALL PERIMETER FENCING PRIOR TO THE START OF ANY CLEARING OR GRADING ACTIVITIES.

4. TEMPORARY GRAVEL STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED, ADJUSTED, AND/OR RELOCATED AS NECESSARY TO PREVENT MUD AND OTHER DEBRIS FROM BEING TRACKED ONTO ADJACENT PUBLIC ROADWAYS. ANY MUD OR OTHER DEBRIS THAT IS TRACKED ONTO A PUBLIC ROAD SHALL BE PROPERLY REMOVED AS SOON AS PRACTICAL, BUT BEFORE THE END OF EACH WORKING DAY.
5. DISTURBED AREAS SHALL BE STABILIZED BY SEEDING WITHIN SEVEN (7) CALENDAR DAYS OF THE COMPLETION OF DISTURBANCE. IF CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TO RESUME WITHIN FOURTEEN (14) CALENDAR DAYS OF THE END OF THE LAST DISTURBANCE, THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE BY THE 7TH DAY AFTER THE COMPLETION OF SAID DISTURBANCE. AREAS WITH SLOPES 3H:1V OR GREATER SHALL BE STABILIZED WITH EROSION CONTROL BLANKET OR MAT IN ADDITION TO SEEDING.

6. THE CONTRACTOR SHALL PROVIDE ADEQUATE PLANNING AND SUPERVISION DURING THE PROJECT CONSTRUCTION PERIOD FOR IMPLEMENTING CONSTRUCTION METHODS, PROCESSES AND CLEANUP PROCEDURES NECESSARY TO PREVENT WATER POLLUTION AND CONTROL EROSION.

7. NO SEDIMENT OR DEBRIS SHALL BE ALLOWED TO ENTER THE EXISTING STORM SEWER SYSTEM OR FLOW OFF-SITE.

8. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED, REPAIRED AND/OR REPLACED AS NECESSARY TO ENSURE EFFECTIVE PERFORMANCE. IF REQUIRED, A DESIGNATED EROSION CONTROL INSPECTOR SHALL INSPECT ALL MEASURES EVERY SEVEN (7) CALENDAR DAYS. ON WITHIN TWENTY-FOUR (24) HOURS OF A 0.5-INCH RAIN EVENT OR EQUIVALENT SNOWFALL AND REPORT WHERE ITEMS ARE IN NON-COMPLIANCE. OTHERWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSPECTION AS WELL AS MAINTENANCE OF ALL MEASURES AND SHALL BE SUBJECT TO THE TERMS OF FEDERAL, STATE, AND LOCAL REQUIREMENTS.

9. ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO REMAIN IN PLACE AND BE FUNCTIONING UNTIL FINAL STABILIZATION. AFTER FINAL STABILIZATION, THE CONTRACTOR IS TO REMOVE AND PROPERLY DISPOSE OF ALL EROSION AND SEDIMENTATION MEASURES ACCORDING TO JURISDICTIONAL AGENCY REQUIREMENTS WITHIN THIRTY (30) DAYS. ALL DISTURBED AREAS OR TRAPPED SEDIMENT THAT ACCUMULATES FROM SAID MEASURES SHALL BE PERMANENTLY STABILIZED.

10. TOPSOIL STOCKPILES SHALL NOT BE LOCATED IN FLOOD PRONE AREAS OR BUFFERS PROTECTING WETLANDS, OR WATERS OF THE UNITED STATES OR COUNTY. STOCKPILES SHALL BE PROTECTED FROM EROSION BY INSTALLING SILT FENCE AROUND THE PERIMETER OF THE STOCKPILE(S). STOCKPILES SHALL BE SEEDED WITHIN SEVEN (7) CALENDAR DAYS OF COMPLETION.

11. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (I.E., SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).

12. EXTREME CAUTION SHALL BE TAKEN BY THE CONTRACTOR TO PREVENT EROSION AND SILTATION DURING CONSTRUCTION. THE CONTRACTOR SHALL INSPECT CATCH BASINS AND CLEAN OUT IF NECESSARY. THE CONTRACTOR SHALL USE SILT/EROSION CONTROL FENCE STAKED IN PLACE TO PREVENT SILTATION OF ALL DRAINAGE STRUCTURES.

13. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES DURING AND AFTER CONSTRUCTION. HOWEVER, THE CONTRACTOR SHALL NOT TRANSFER THESE IMPROVEMENTS OR THE PURPOSE OF MAINTENANCE UNTIL THEY HAVE COMPLETED WITH THE ABOVE AND UNTIL THEY HAVE RECEIVED FINAL INSPECTION AND APPROVAL FROM THE JURISDICTIONAL AGENCY OR DESIGNATED EROSION CONTROL INSPECTOR AND A NOTICE OF TERMINATION HAS BEEN FILED (NOT).

14. THE WORK SHALL GENERALLY FOLLOW THE FOLLOWING TYPICAL CONSTRUCTION SEQUENCING:

- a. INSTALLATION OF THE SOIL EROSION AND SEDIMENT CONTROL (SE/SC) MEASURES:
a.1. SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
a.2. SILT FENCE INSTALLATION
a.3. STABILIZED CONSTRUCTION ENTRANCE
b. TREE REMOVAL WHERE NECESSARY
c. STRIP AND STOCKPILE TOPSOIL AND MASS GRADE THE SITE
d. TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND TOE OF SLOPE)
e. CONSTRUCTION OF STORM SEWER SYSTEM AND OTHER UTILITIES, ALONG WITH ASSOCIATED INLET PROTECTION
f. CONSTRUCTION OF CONCRETE STRUCTURES, AND PAVEMENTS,
g. SLOPE GRADING AND SMOOTHING
h. TEMPORARY STABILIZATION OF AREAS THAT HAVE REACHED TEMPORARY GRADE
i. PERMANENTLY STABILIZE SITE WITH TOPSOIL, SEED AND BLANKET
j. REMOVE ALL TEMPORARY SE/SC MEASURES AFTER THE SITE IS STABILIZED WITH VEGETATION

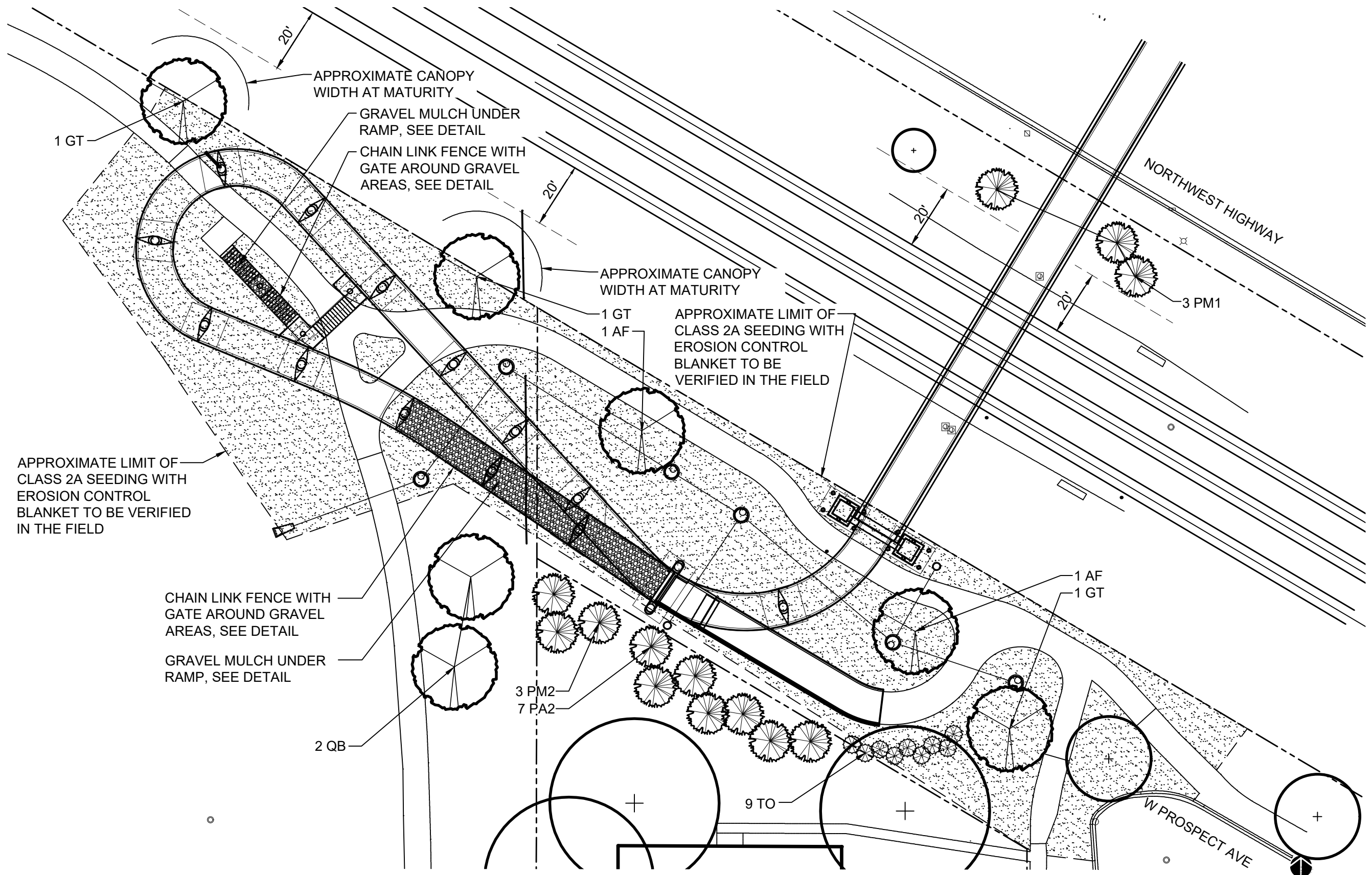
Owner/Contractor Certification Statement
This certification statement is part of the Storm Water Pollution Prevention Plan for the Sunny Acres Farm - Proposed Reception Barn project, in accordance with General NPDES Permit No. _____ issued by the Illinois Environmental Protection Agency.
I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit (ILLR10) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.
In addition, I have read and understand all of the information and requirements stated in the Storm Water Pollution Prevention Plan for the above mentioned project. I have provided all documentation required to be in compliance with the ILLR10 and Storm Water Pollution Prevention Plan and will provide timely updates to these documents as necessary.
Name _____ Signature _____
Title _____ Date _____
Name of Firm/Company _____ Telephone _____
Address _____ City/State/Zip _____
The Owner, and all Contractor's and Sub-Contractor's performing work on this site are required to sign the above illustrated Certification Statement. The signed Certifications shall be maintained on the site with the SWPPP.



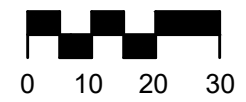
USER NAME =	DESIGNED - JG	REVISED -
	CHECKED - JG	REVISED -
PLOT SCALE =	DRAWN - PDB	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		3512	21-00174-00-BR	COOK	154	41
						CONTRACT NO.61M15
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	
				ILLINOIS	FED. AID PROJECT	



1 MELAS PARK LANDSCAPE PLAN
SCALE: 1" = 30'-0"



DANIEL WEINBACH & PARTNERS, LTD.
LANDSCAPE ARCHITECTS
1142 W. Madison Street, Suite 206, Chicago, IL 60607

USER NAME =	DESIGNED - BF	REVISED -
	CHECKED - WS	REVISED -
PLOT SCALE =	DRAWN - EHB	REVISED -
PLOT DATE =	CHECKED -	REVISED -

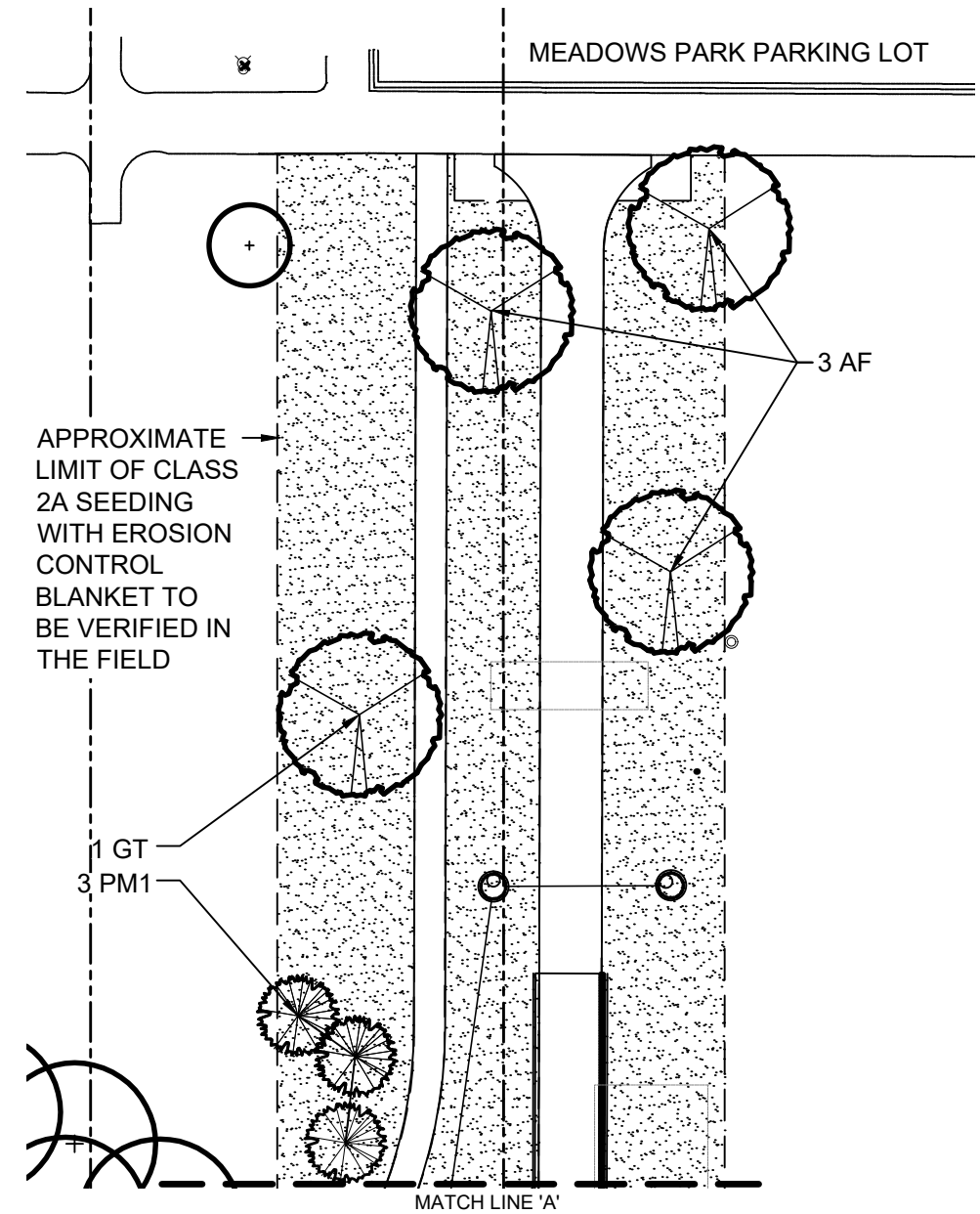
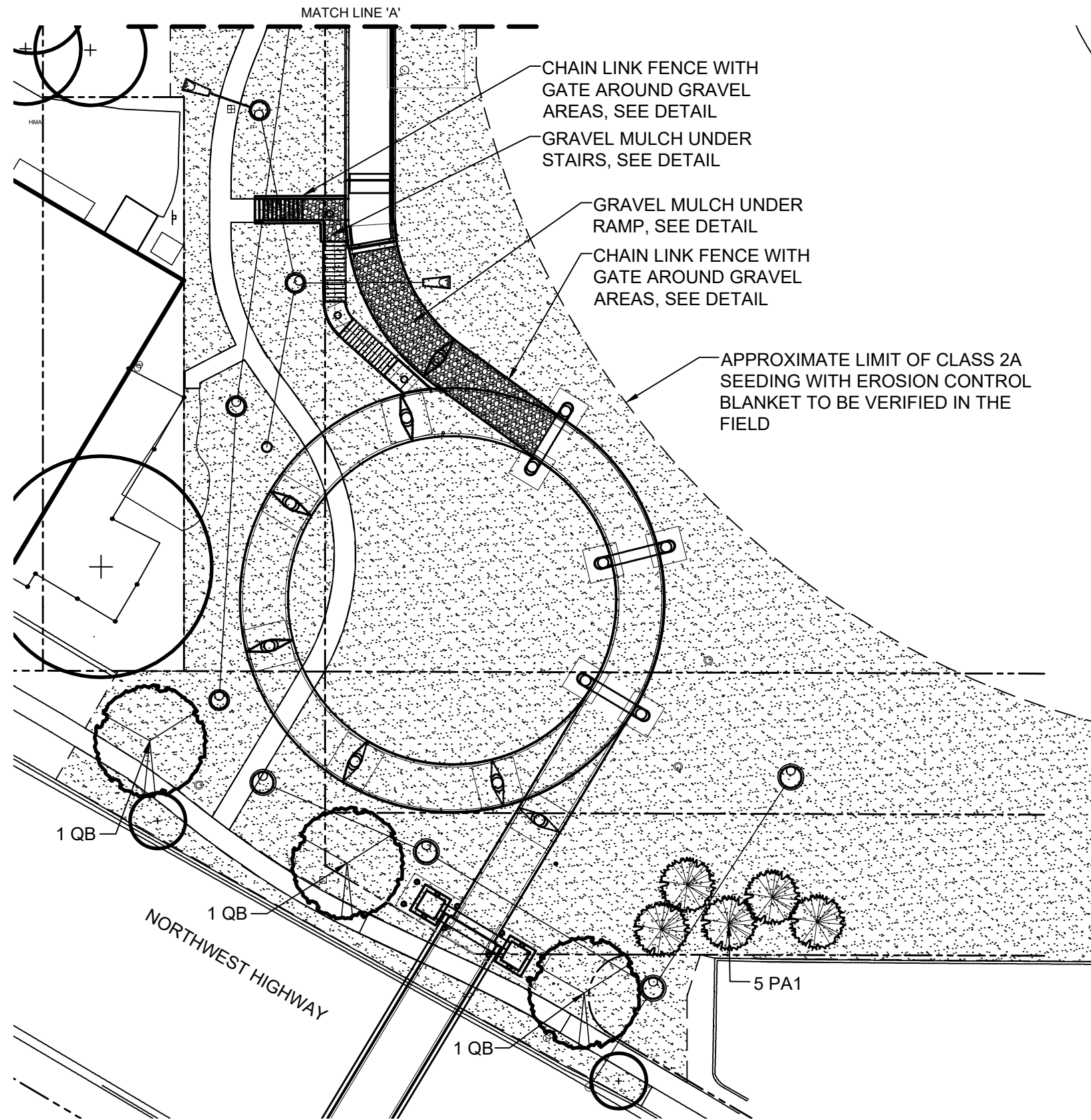
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
MELAS PARK LANDSCAPE PLAN

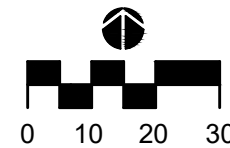
SHEET 3 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	42
CONTRACT NO.				

ILLINOIS FED. AID PROJECT



1 MEADOWS PARK LANDSCAPE PLAN
SCALE: 1" = 30'-0"



DANIEL WEINBACH & PARTNERS, LTD.
LANDSCAPE ARCHITECTS
1142 W. Madison Street, Suite 206, Chicago, IL 60607

USER NAME =	DESIGNED - BF	REVISED -
	CHECKED - WS	REVISED -
PLOT SCALE =	DRAWN - EHB	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
MEADOWS PARK LANDSCAPE PLAN**

SHEET 4 OF 7 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	43
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

PLANT LIST FOR PLANTINGS ON THE MELAS PARK AND MEADOWS PARK LANDSCAPE PLANS

CODE	BOTANICAL NAME	COMMON NAME	SIZE	QTY	ADDITIONAL NOTES
DECIDUOUS TREES - SHADE					
AF	ACER x FREEMANII 'JEFFERSRED'	AUTUMN BLAZE MAPLE	2.5" CALIPER	5	BRANCHED UP 6'
GT	GLEDITSIA T. VAR. INERMIS 'SKYCOLE'	SKYLINE HONEYLOCUST	2.5" CALIPER	4	BRANCHED UP 6'
QB	QUERCUS BICOLOR	SWAMP WHITE OAK	2" CALIPER	5	BRANCHED UP 6'
EVERGREEN TREES					
PA1	PICEA ABIES	NORWAY SPRUCE	6' HT	5	
PA2	PICEA ABIES	NORWAY SPRUCE	8' HT	7	
PM1	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	6' HT	6	
PM2	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	9' HT	3	
TO	THUJA OCCIDENTALIS 'TECHNY'	TECHNY ARBORVITAE	6' HT	9	

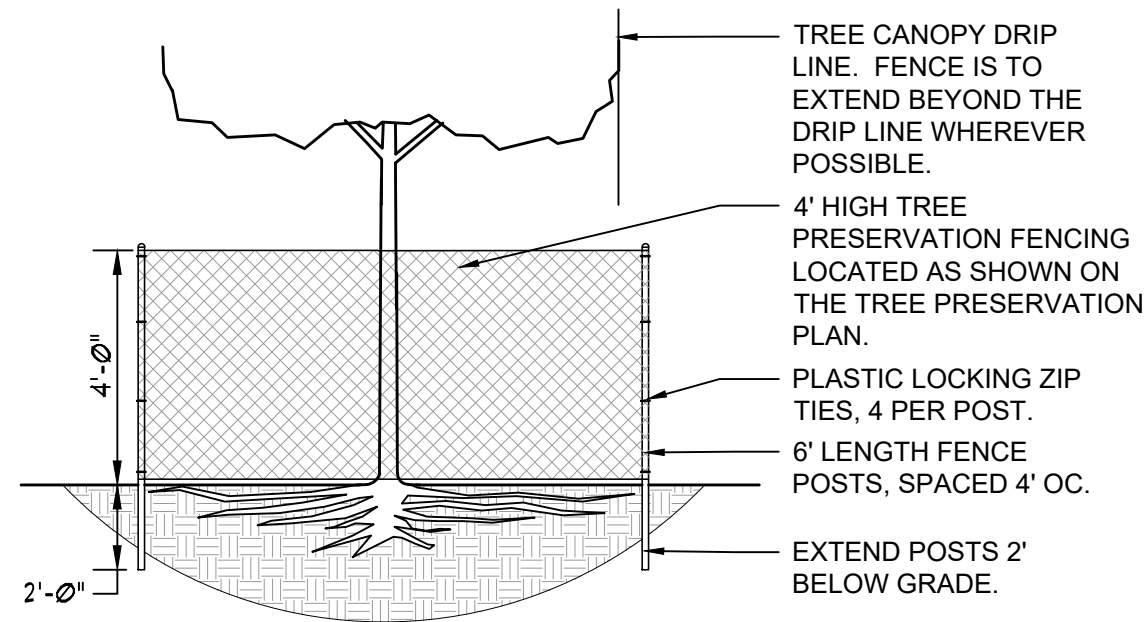
GENERAL NOTES

1. ALL DIMENSIONS AND SITE CONDITIONS ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR. NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO STARTING WORK.
2. ALL OVERHEAD AND UNDERGROUND UTILITIES ARE TO BE LOCATED PRIOR TO DIGGING OR EXCAVATION. IF UTILITIES OR OTHER OBSTRUCTIONS ARE DISCOVERED TO CONFLICT WITH GRADING, PLANT OR MATERIALS PLACEMENT, NOTIFY THE LANDSCAPE ARCHITECT SO THAT ADJUSTMENTS MAY BE MADE PRIOR TO PROCEEDING.

USER NAME =	DESIGNED - BF	REVISED -
	CHECKED - WS	REVISED -
PLOT SCALE =	DRAWN - EHB	REVISED -
PLOT DATE =	CHECKED -	REVISED -

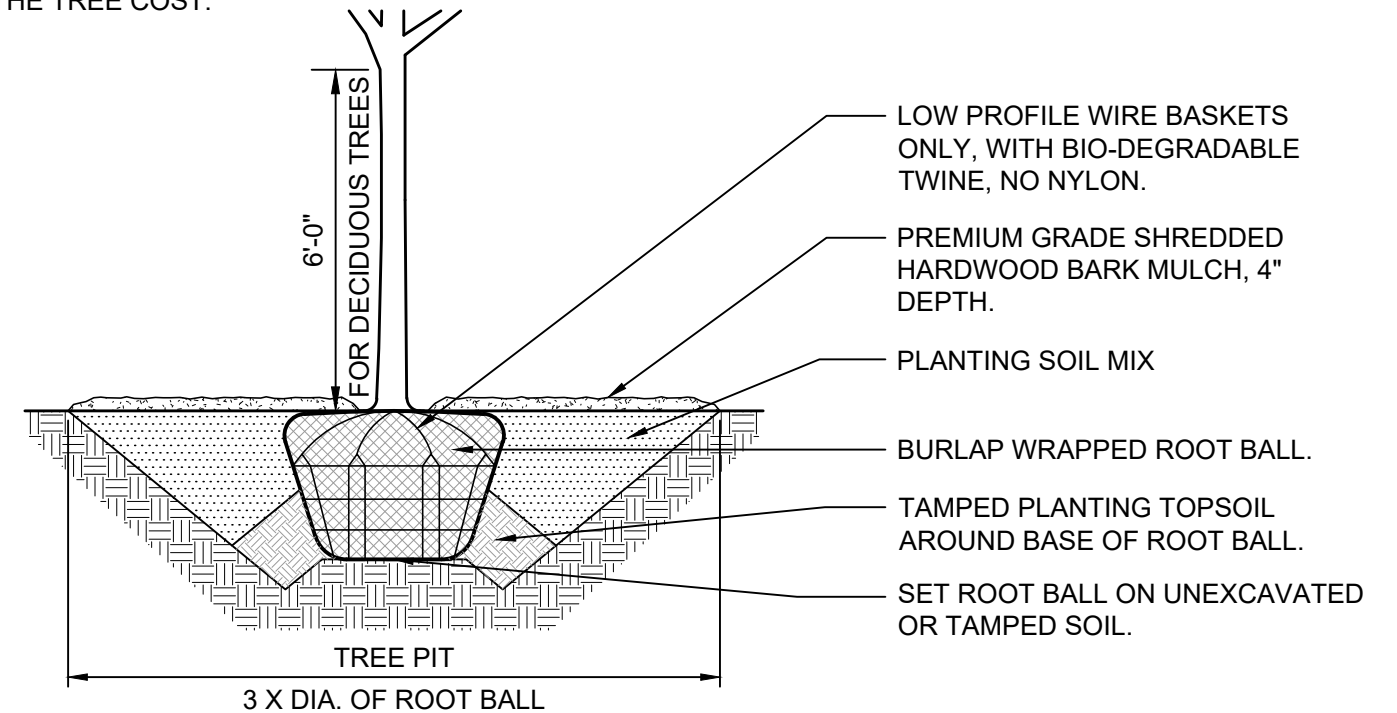
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	44
CONTRACT NO.				
			ILLINOIS FED. AID PROJECT	

FENCING SHALL BE INSTALLED IN LOCATIONS SHOWN ON THE TREE PRESERVATION PLAN. POSTS SHALL BE PLACED 4' ON CENTER. AFTER INSTALLING ALL POSTS, TIGHTLY WRAP THE FABRIC ACROSS THE POSTS TO PREVENT SAGGING. THE FABRIC SHALL BE ATTACHED OUTSIDE THE POSTS, AWAY FROM THE TREE. SAFETY FENCE FABRIC SHALL BE ORANGE CONTRACTOR'S GRADE SMOOTH TOP DIAMOND PLASTIC FENCE. POSTS SHALL BE 6' LONG HEAVY DUTY GALVANIZED STEEL T-POSTS, SET TO A DEPTH OF 2' BELOW GRADE. POST SHALL NOT BE DRIVEN INTO TREE ROOTS OR UTILITY LINES. LOCKING TIES SHALL BE 8" PLASTIC LOCKING ZIP TIES, 4 PER POST. ANY ALTERATIONS TO THE FENCING LAYOUT MUST BE APPROVED BY THE LANDSCAPE ARCHITECT.



1 TREE PROTECTION FENCING - TEMPORARY FENCE
NOT TO SCALE

LOCATE ALL UNDERGROUND UTILITIES PRIOR TO DIGGING. TEST TREE PIT FOR DRAINAGE PRIOR TO INSTALLING TREE. PRUNE OFF ALL DEAD, BROKEN OR SCARRED BRANCHES, AND SHAPE PRUNE AS DIRECTED BY THE LANDSCAPE ARCHITECT. LOCATE ROOT FLARE IN ROOT BALL AND SET TREE HEIGHT SO THAT ROOT FLARE IS FLUSH WITH FINISH GRADE. WATER IN THE PLANTING TOPSOIL AND PLANTING SOIL MIX THOROUGHLY, WHILE KEEPING THE TREE PLUMB. STRAIGHTEN TREE IF SETTLING OCCURS. UN-TIE AND REMOVE TWINE FROM AROUND ROOT FLARE. DECIDUOUS TREES ARE TO BE LIMBED UP TO A 6' HEIGHT. KEEP MULCH AWAY FROM TREE TRUNKS AS SHOWN. COST OF MULCH, DRAINAGE TESTING, PLANTING TOPSOIL, AND PLANTING SOIL MIX WILL BE INCIDENTAL TO THE TREE COST.

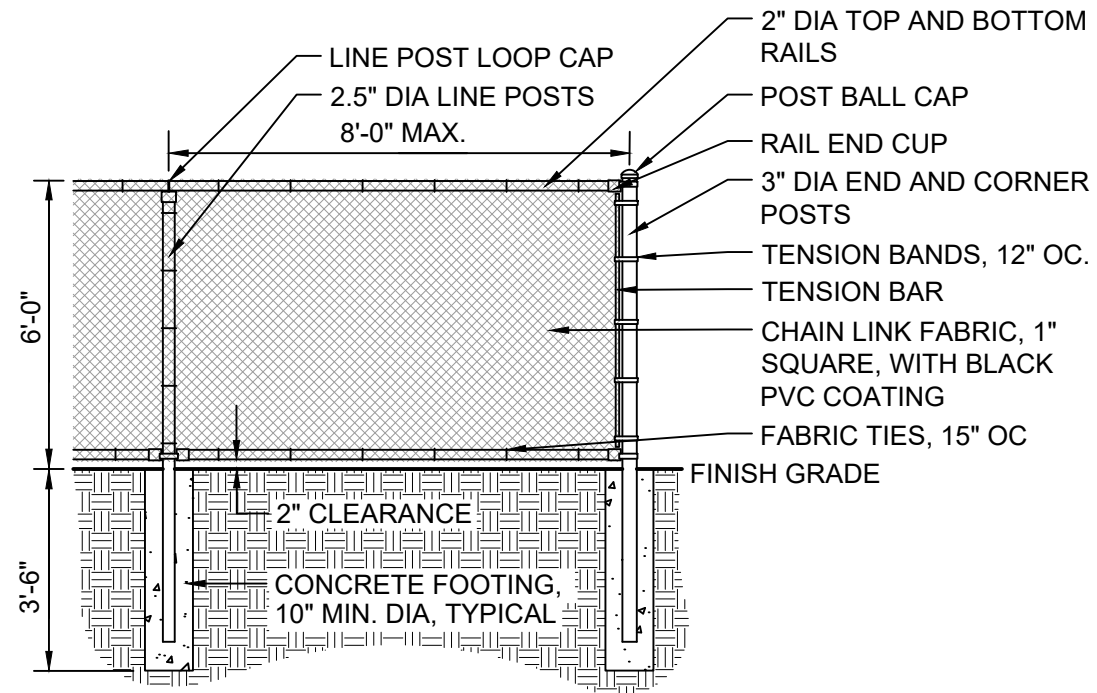


2 DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE

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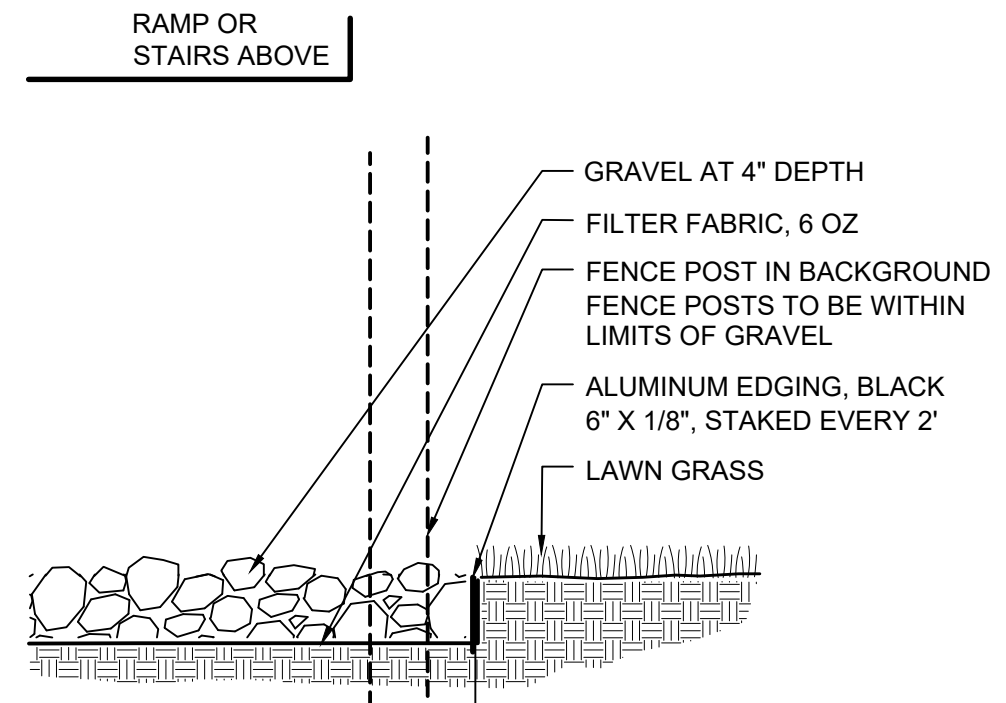
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3512	21-00174-00-BR	COOK	154	45
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

CHAIN LINK FENCE TO HAVE TOP AND BOTTOM RAILS. POSTS, RAILS AND HARDWARE TO BE GALVANIZED WITH BLACK PAINT OR POWDERCOAT FINISH. GALVANIZED FABRIC TO BE 9 GAUGE, 1" MESH, AND HAVE A BLACK PVC COATING. GATES TO BE 4' WIDE AND SHALL MATCH THE FENCE IN STYLE, COLOR AND COMPONENTS. GATES TO HAVE LOCKABLE LATCH. FENCE TO ENCLOSE ALL GRAVEL AREAS, UNDER RAMPS AND STAIRS. EACH FENCE ENCLOSURE TO CONTAIN ONE GATE. FENCE TO BE LOCATED JUST BEYOND THE OUTSIDE LINE OF THE RAMP OR STAIRS ABOVE. MANUFACTURER TO PROVIDE SHOP DRAWINGS WITH SIZES AND DIMENSIONS OF ALL COMPONENTS FOR APPROVAL.



1 CHAIN LINK FENCE AND GATE DETAIL
NOT TO SCALE

GRAVEL MULCH TO BE 2" TO 3" DIAMETER ANGULAR STONE WITHOUT FINES. COLOR TO BE MEDIUM OR DARK GRAY. GRAVEL AREAS TO HAVE FILTER FABRIC UNDERNEATH. FILTER FABRIC TO BE 6 OZ NEEDLE-PUNCHED, NON-WOVEN GEOTEXTILE FABRIC. OVERLAP AND TAPE ALL FILTER FABRIC SEAMS. ALL PERIMETERS OF THE GRAVEL THAT ARE ADJACENT TO LAWN GRASS SHALL HAVE 6" x 1/8" BLACK ALUMINUM EDGING. ALL FENCE POSTS ARE TO BE WITHIN THE GRAVEL AREA.



2 GRAVEL MULCH DETAIL
NOT TO SCALE



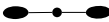













LIGHTING GENERAL NOTES

1. UNDERGROUND SPLICES ARE NOT ALLOWED.
2. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE CONCRETE FOUNDATIONS HAVE CURED.

SUMMARY OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
NON-SPECIAL WASTE DISPOSAL	CU YD	13
ELECTRIC SERVICE INSTALLATION	EACH	2
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.	FOOT	130
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	350
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	415
CONDUIT ATTACHED TO STRUCTURE, 1" DIA., PVC COATED GALVANIZED STEEL	FOOT	120
CONDUIT EMBEDDED IN STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	150
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6" X 6" X 4"	EACH	6
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 8" X 8" X 6"	EACH	2
HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	798
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	2,418
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2/0	FOOT	495
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C 250MCM	FOOT	945
PEDESTRIAN BRIDGE LIGHTING SYSTEM	L SUM	1
LUMINAIRE, TYPE A (SPECIAL)	EACH	7
LUMINAIRE, TYPE B (SPECIAL)	EACH	6
LIGHTING CONTROLLER (SPECIAL)	EACH	2
LIGHT POLE (SPECIAL)	EACH	2
LIGHT POLE FOUNDATION (SPECIAL)	FOOT	58
LIGHT POLE, SPECIAL, TYPE 2	EACH	1
LIGHT POLE, SPECIAL, TYPE 3	EACH	2

LEGEND

-  EXISTING LIGHT POLE AND LUMINAIRE
-  LIGHT POLE, (SPECIAL), WITH LUMINAIRE, TYPE A (SPECIAL)
-  LIGHT POLE, (SPECIAL), WITH (2) LUMINAIRE, TYPE A (SPECIAL)
-  PEDESTRIAN BRIDGE LIGHTING SYSTEM LUMINAIRE
-  LUMINAIRE, TYPE B (SPECIAL)
-  ELECTRIC SERVICE INSTALLATION
-  1 JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE. 6" x 6" x 4" (81300220)
-  2 JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE. 8" x 8" x 6" (81300320)
-  PROPOSED HANDHOLE
-  LIGHTING CONTRIOLLER (SPECIAL)
-  UNDERGROUND CONDUIT. TYPE AND SIZE AS NOTED ON PLANS
-  CONDUIT EMBEDDED IN STRUCTURE. TYPE AND SIZE AS NOTED ON PLANS
-  CONDUIT ATTACHED TO STRUCTURE. TYPE AND SIZE AS NOTED ON PLANS
-  CONTROLLER IDENTIFICATION (TYP.)
-  CIRCUIT NUMBER (TYP.)
-  A1-1 POLE NUMBER (TYP.)

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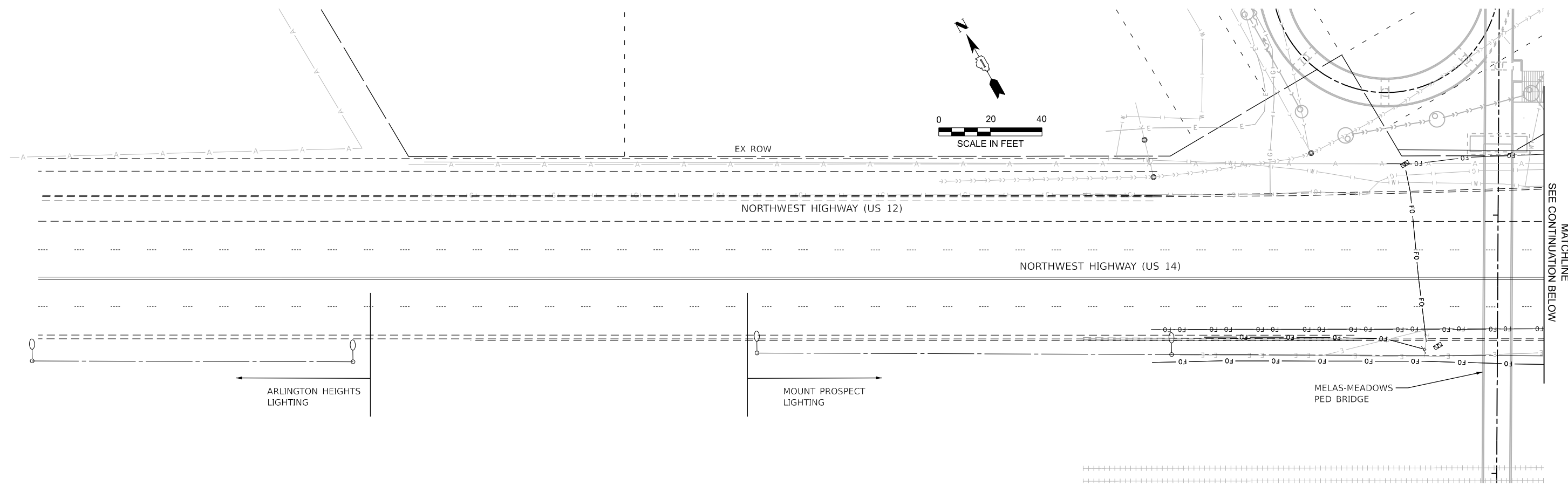
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DEPARTMENT OF TRANSPORTATION**

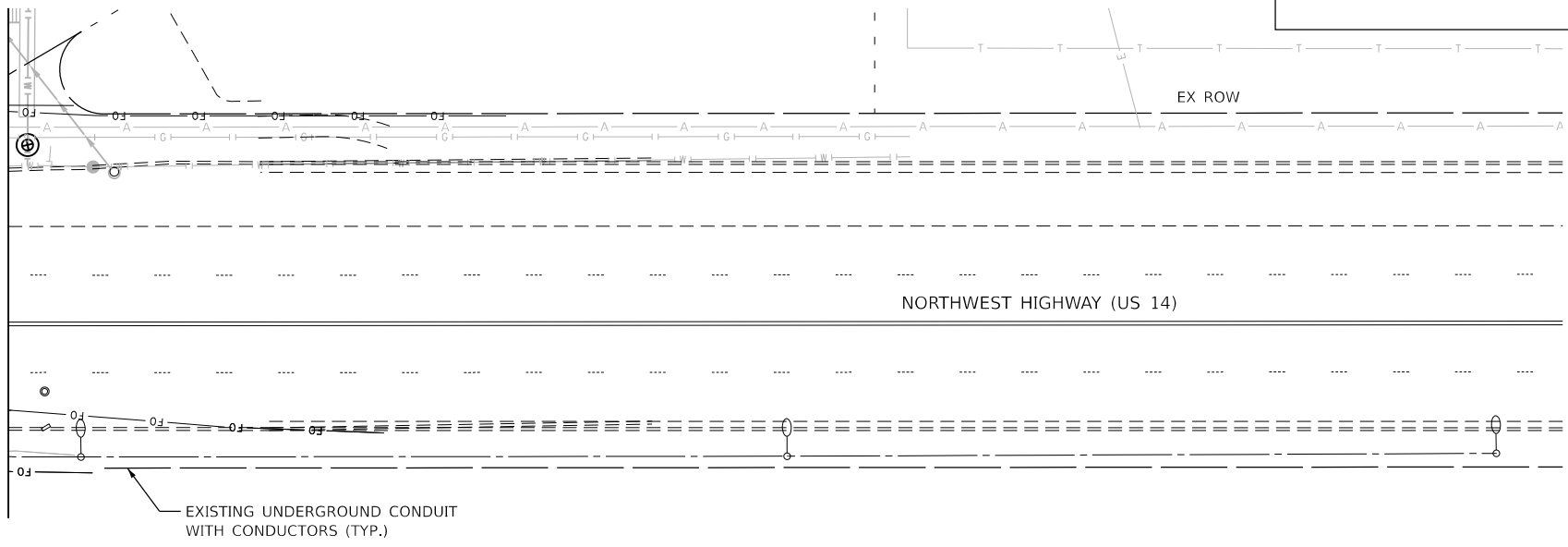
**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
LIGHTING GENERAL NOTES, SUMMARY OF QUANTITIES, AND LEGEND**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	47
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				



NO WORK THIS SHEET



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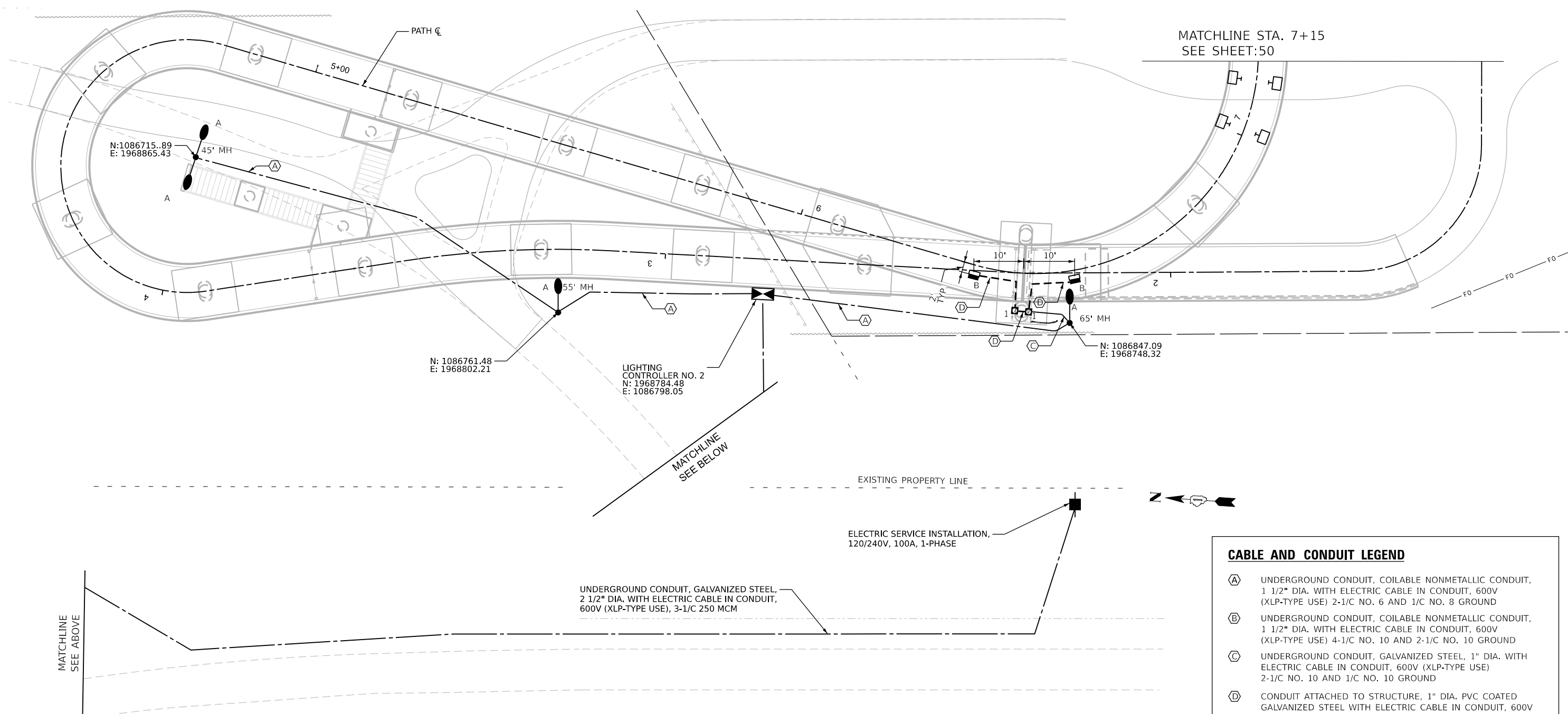
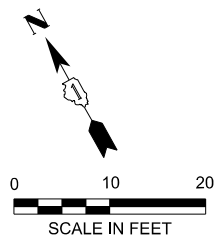


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR NORTHWEST HIGHWAY LIGHTING PLAN			
SCALE: 1"=20'	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	48
CONTRACT NO. 61M15				
ILLINOIS		FED. AID PROJECT		



CABLE AND CONDUIT LEGEND

(A)	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA. WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 6 AND 1/C NO. 8 GROUND
(B)	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA. WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 4-1/C NO. 10 AND 2-1/C NO. 10 GROUND
(C)	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA. WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 10 AND 1/C NO. 10 GROUND
(D)	CONDUIT ATTACHED TO STRUCTURE, 1" DIA. PVC COATED GALVANIZED STEEL WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 10 AND 1/C NO. 10 GROUND

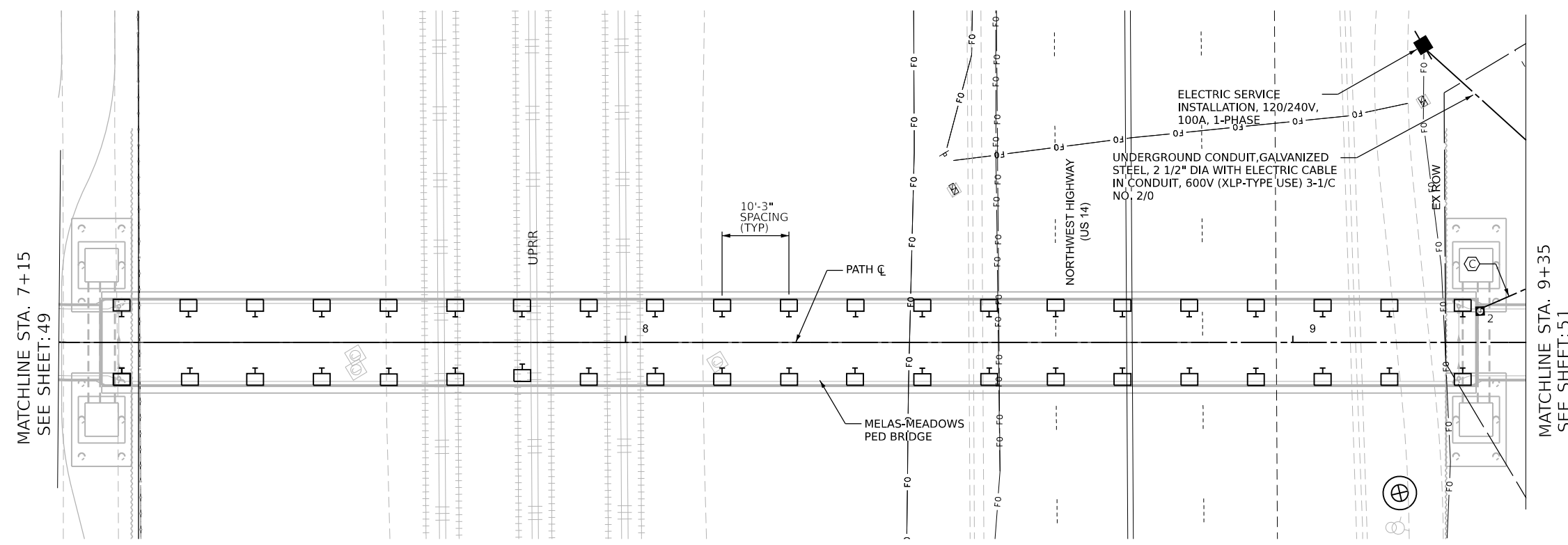
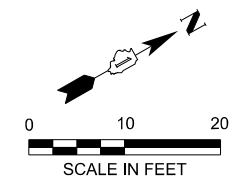
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		3512	21-00174-00-BR	COOK	154	49
		CONTRACT NO.61M15				
SCALE: 1"=10'	SHEET OF SHEETS	STA. 0+00.00	TO STA. 7+50.00			
		ILLINOIS FED. AID PROJECT				



MATCHLINE STA. 7+15
SEE SHEET: 49

MATCHLINE STA. 9+35
SEE SHEET: 51

CABLE AND CONDUIT LEGEND

- (A) UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA. WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 6 AND 1/C NO. 8 GROUND
- (B) UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA. WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 4-1/C NO. 10 AND 2-1/C NO. 10 GROUND
- (C) UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA. WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 10 AND 1/C NO. 10 GROUND
- (D) CONDUIT ATTACHED TO STRUCTURE, 1" DIA. PVC COATED GALVANIZED STEEL WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 10 AND 1/C NO. 10 GROUND

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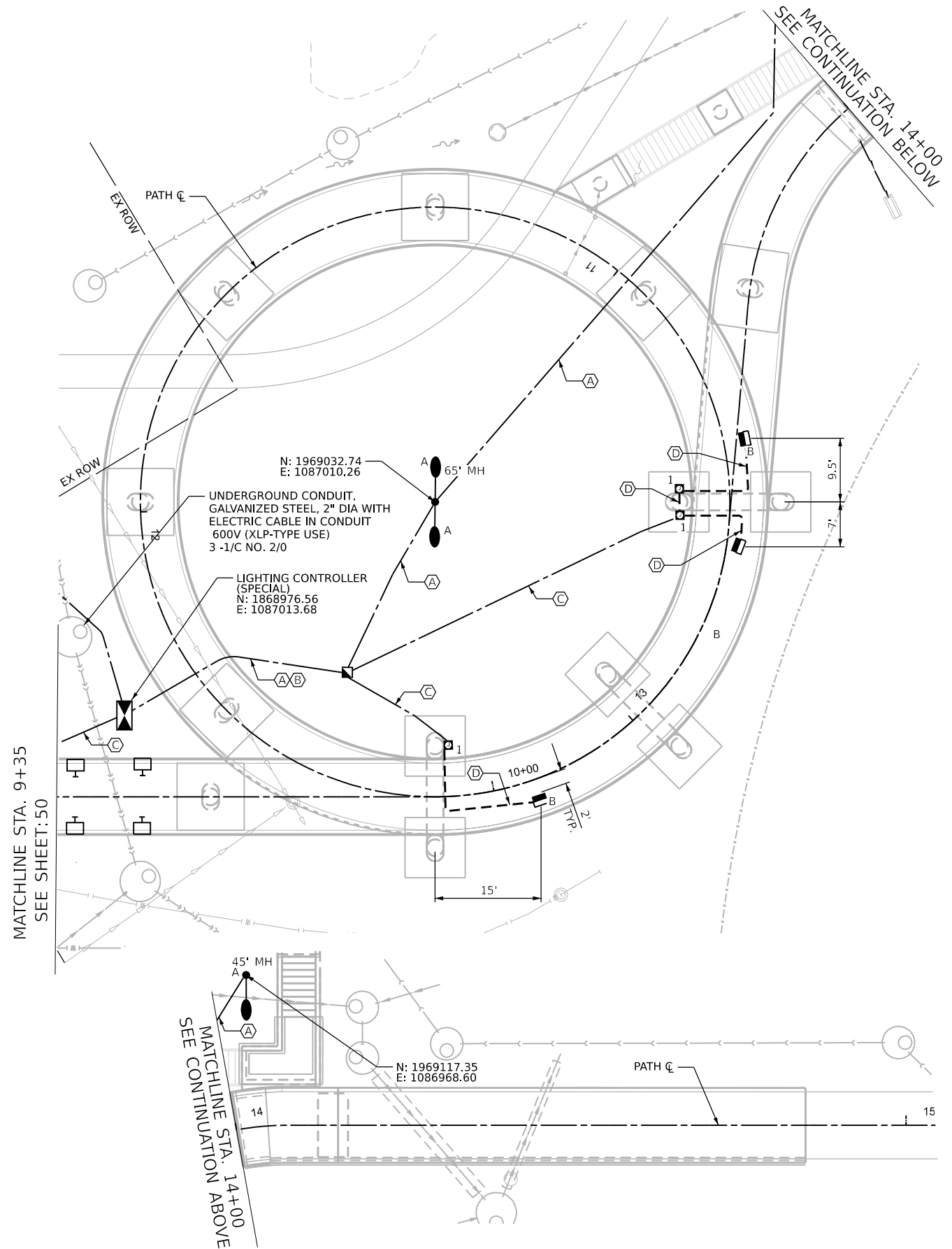
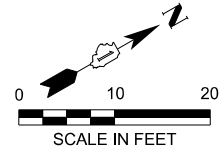
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
TRAIL LIGHTING PLAN**

SCALE: 1"=10' SHEET OF SHEETS STA. 7+50.00 TO STA. 9+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	50
CONTRACT NO. 61M15				
ILLINOIS		FED. AID PROJECT		



CABLE AND CONDUIT LEGEND				
(A)	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA. WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 6 AND 1/C NO. 8 GROUND			
(B)	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA. WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 4-1/C NO. 10 AND 2-1/C NO. 10 GROUND			
(C)	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA. WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 10 AND 1/C NO. 10 GROUND			
(D)	CONDUIT ATTACHED TO STRUCTURE, 1" DIA. PVC COATED GALVANIZED STEEL WITH ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 2-1/C NO. 10 AND 1/C NO. 10 GROUND			

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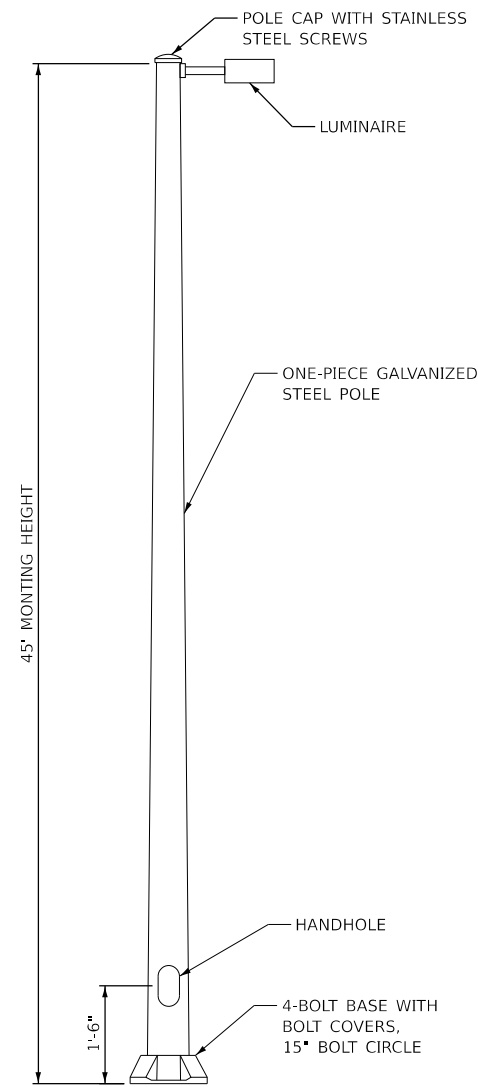
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

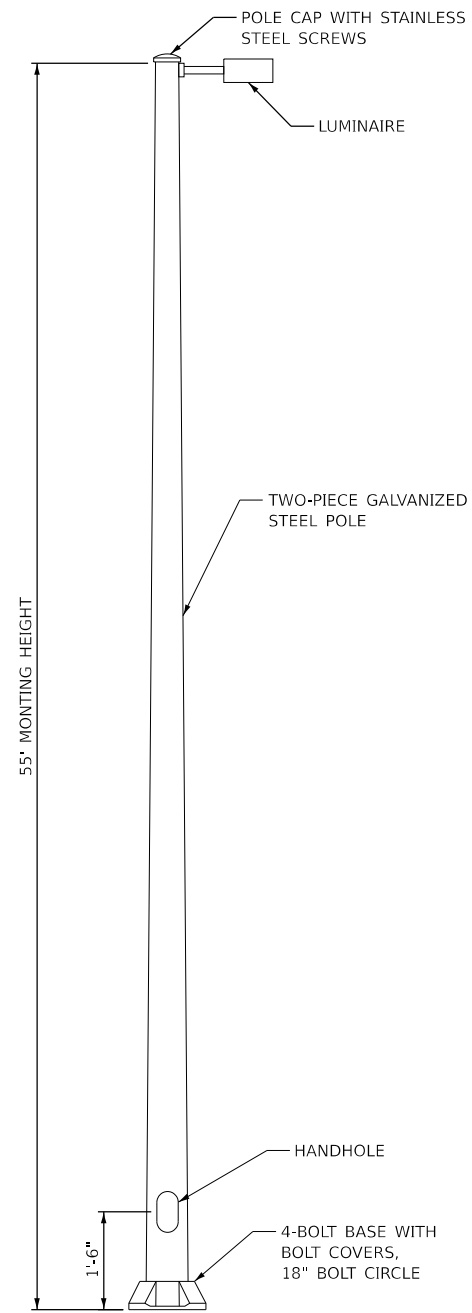
MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR TRAIL LIGHTING PLAN			
SCALE: 1"=10'	SHEET	OF	SHEETS
	STA. 9+25.00		TO STA. 16+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	51
CONTRACT NO. 61M15				
ILLINOIS		FED. AID PROJECT		

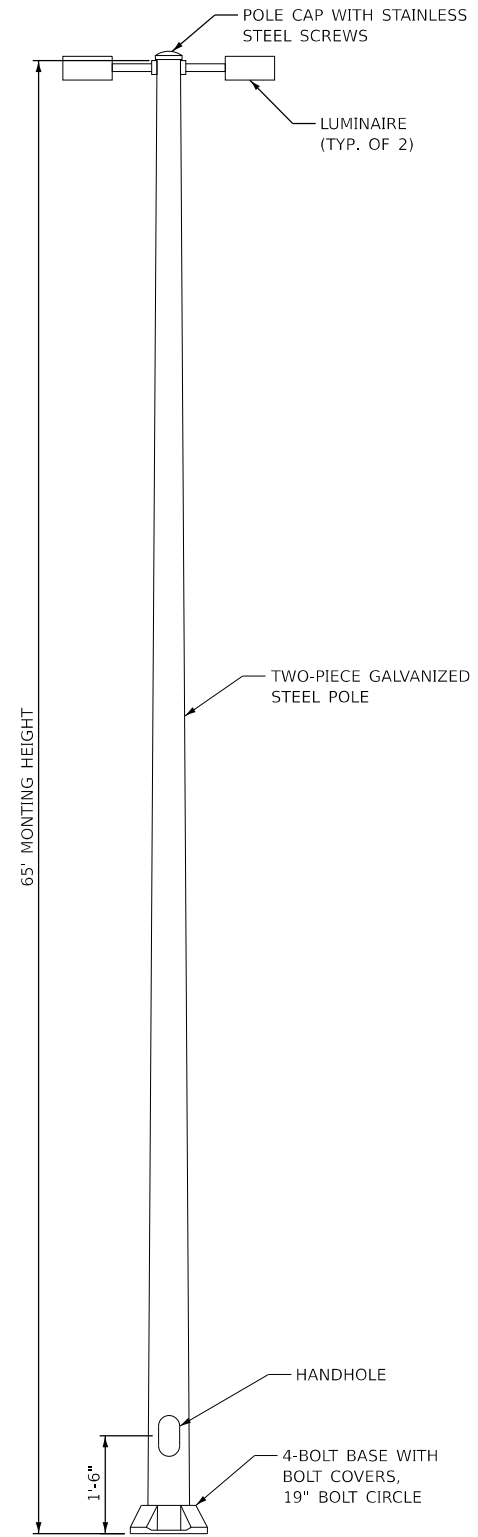
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LIGHT POLE (SPECIAL)
 NOT TO SCALE



LIGHT POLE, SPECIAL, TYPE 2
 NOT TO SCALE



LIGHT POLE, SPECIAL, TYPE 3
 NOT TO SCALE



DECORATIVE CLAMSHELL BASE
 NOT TO SCALE



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	CHECKED - JMV	REVISED -
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PLOT DATE =	CHECKED -	REVISED -

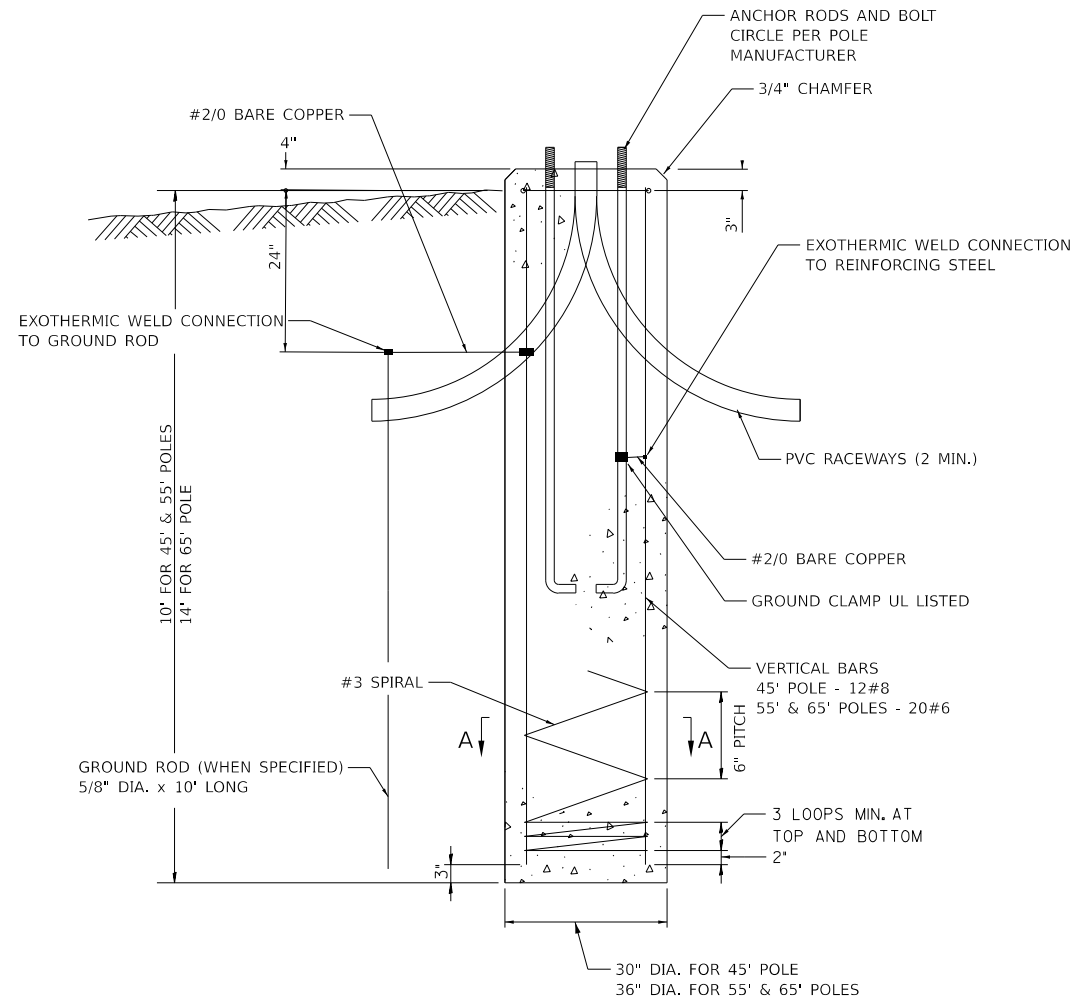
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
 LIGHTING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	52
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

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LIGHT POLE FOUNDATION (SPECIAL)
 NOT TO SCALE

NOTES:

- 1.) ALL DIMENSIONS ARE SHOWN IN INCHES, UNLESS NOTED OTHERWISE.
- 2.) ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE PLACEMENT OF THE CONCRETE.
- 3.) NOT USED.
- 4.) THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER OF THE SAME DIAMETER OF THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- 5.) THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4 INCH.
- 6.) THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- 7.) THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN FOUR TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- 8.) THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F 1554 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- 9.) ANCHOR RODS, NUTS, AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER HOT-DIPPED PROCESS CONFORMING TO AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 6 MILS, OR THE ELECTROLYTIC PROCESS ACCORDING TO AASHTO F 1136.
- 10.) THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES WITH A MINIMUM OF 3 INCHES OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- 11.) ANCHOR RODS SHALL PROJECT 2 3/4" ABOVE THE TOP OF THE FOUNDATION, IF BREAKAWAY COUPLINGS ARE SPECIFIED. THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- 12.) THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" PITCH OR MAY SUBSTITUTE #3 TIES AT 12" ON CENTER WITH APPROVAL OF THE ENGINEER.
- 13.) THE CABLE TRENCHES AND FOUNDATIONS SHALL BE BACKFILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- 14.) THE RACEWAYS SHALL PROJECT 1" ABOVE THE TOP OF THE FOUNDATION.
- 15.) THE CONTRACTOR SHALL VERIFY THE ANCHOR BOLT DIMENSIONS AND THE BOLT CIRCLE WITH THE LIGHT POLE MANUFACTURER.
- 16.) ALL RACEWAYS SHALL BE SEALED TO PREVENT DEBRIS AND MOISTURE FROM ENTERING.



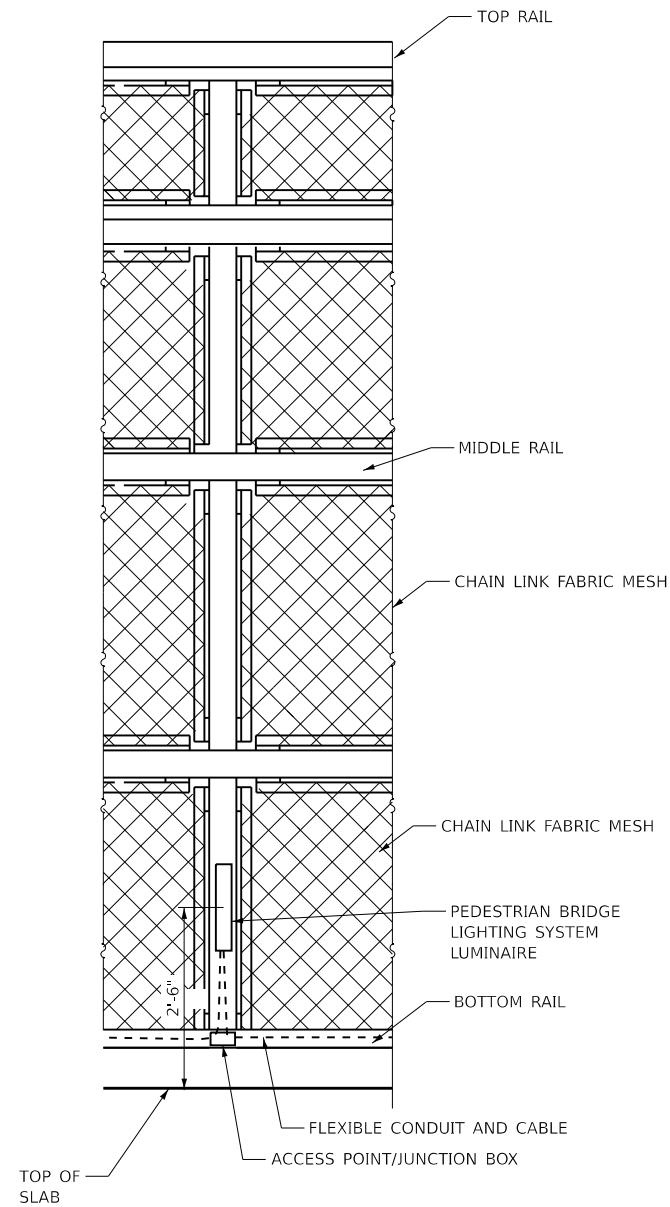
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 DEPARTMENT OF TRANSPORTATION**

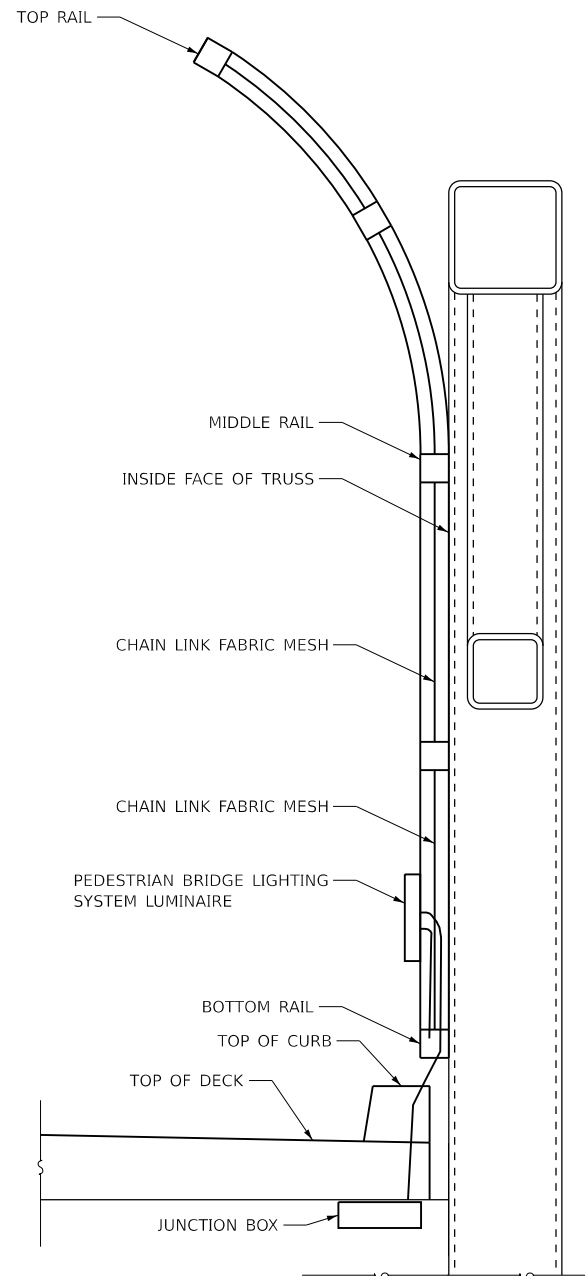
MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR LIGHTING DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	53
CONTRACT NO. 61M15				
ILLINOIS		FED. AID PROJECT		

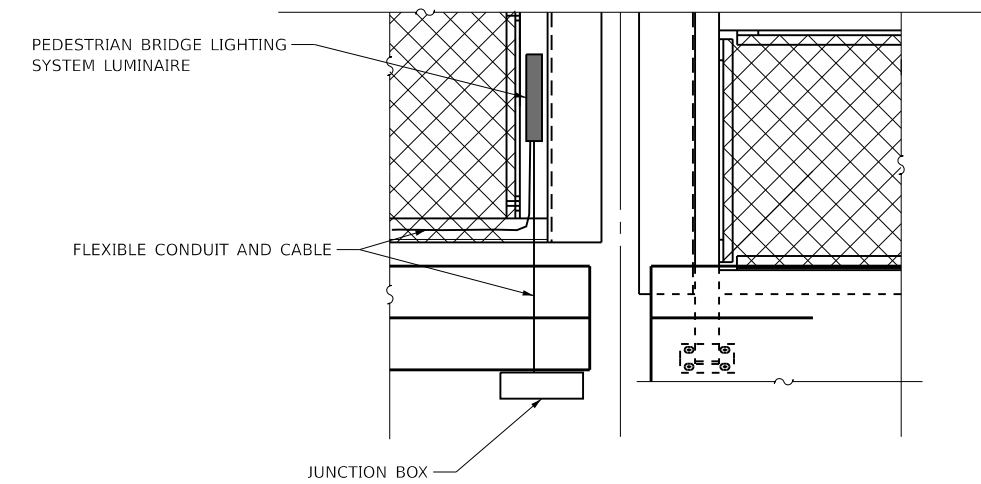
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INSIDE FACE BICYCLE RAILING ELEVATION
 NOT TO SCALE



SECTION OF BICYCLE RAILING AND RAILING TRUSS
 NOT TO SCALE



INSIDE FACE OF BICYCLE RAILING AT ABUTMENT
 NOT TO SCALE

NOTES:

1. THE CONTRACTOR SHALL PROVIDE DETAILS FOR THE ROUTING OF CABLES AND CONDUIT WITHIN THE BICYCLE RAILING FOR REVIEW AND APPROVAL BY THE ENGINEER.



USER NAME =	DESIGNED - DTJ	REVISED -
	CHECKED - JMV	REVISED -
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PLOT DATE =	CHECKED -	REVISED -

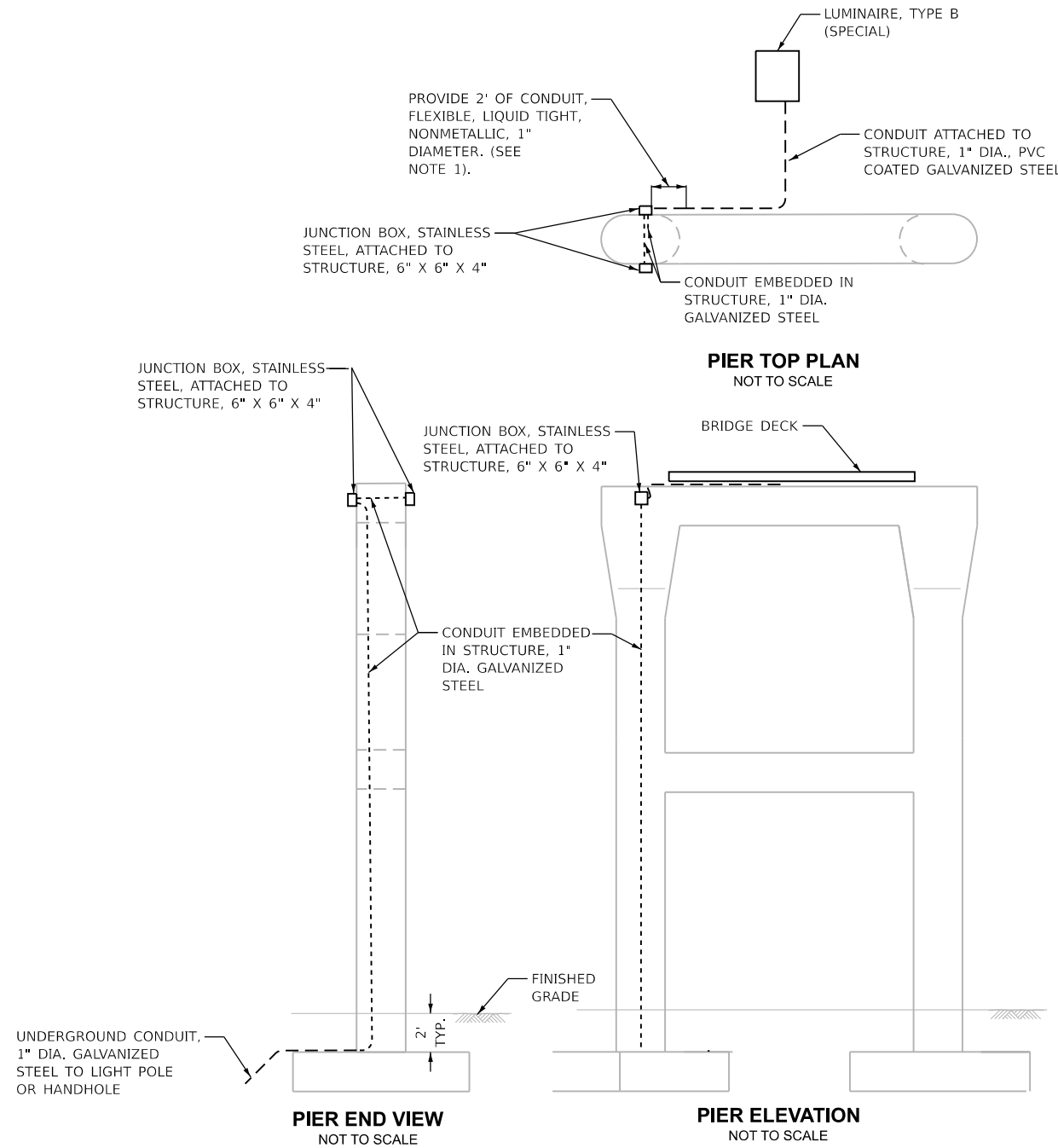
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
 LIGHTING DETAILS**

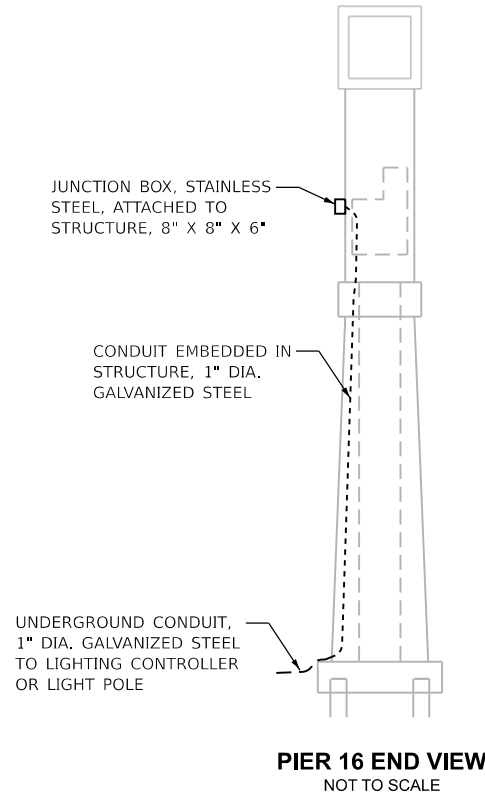
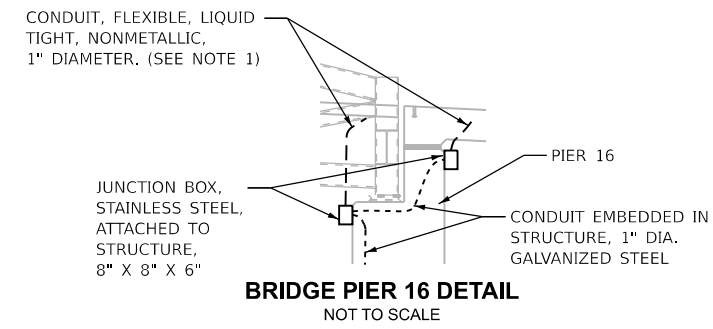
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

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CONDUIT RUN FOR UNDERPASS LUMINAIRES AT DOUBLE DECK PIER



CONDUIT RUN FOR PEDESTRIAN BRIDGE LIGHTING SYSTEM

NOTES:

1. CONDUIT, FLEXIBLE, LIQUID TIGHT, NONMETALLIC, 1" DIAMETER SHALL BE INCLUDED IN THE COST OF CONDUIT ATTACHED TO STRUCTURE, 1" DIA, PVC COATED GALVANIZED STEEL.
2. THE CONTRACTOR SHALL PROVIDE A DRAWING OF THE CONNECTION BETWEEN THE JUNCTION BOX AND THE RAILING FOR REVIEW AND APPROVAL BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF PEDESTRIAN BRIDGE LIGHTING SYSTEM.

BRIDGE LIGHTING DETAILS

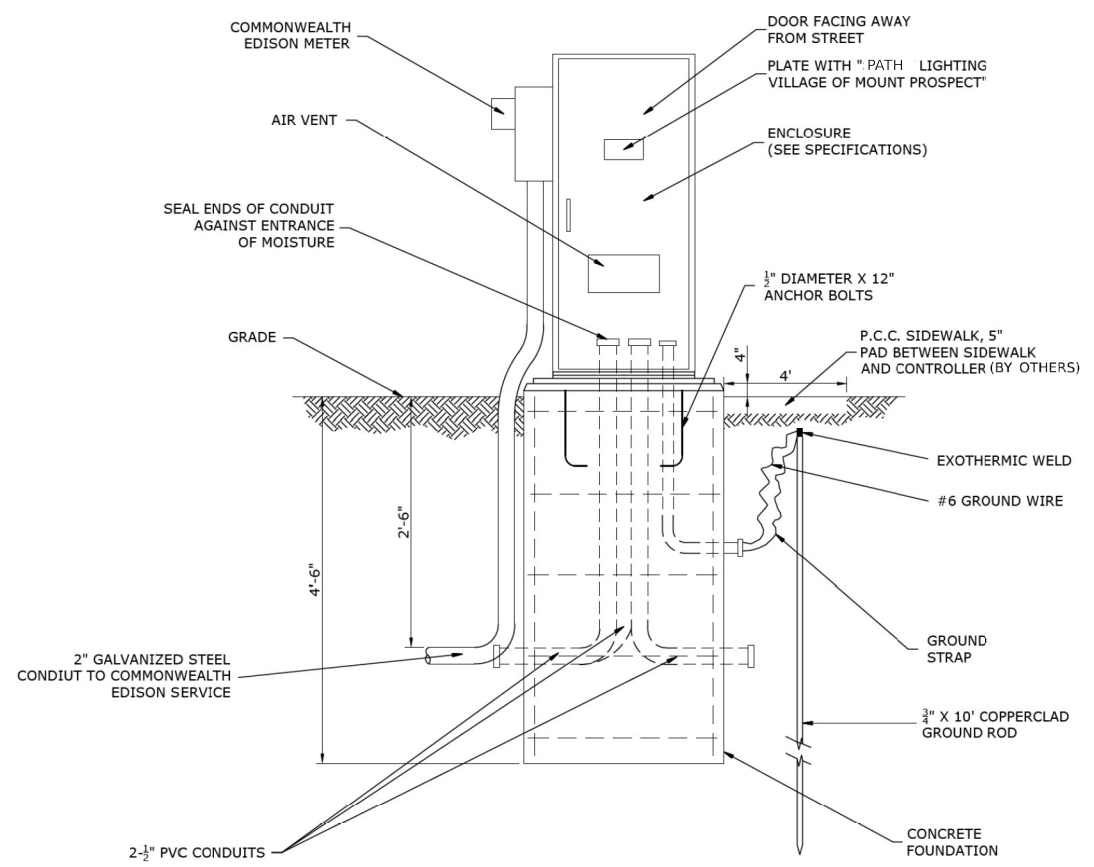


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	CHECKED - JMV	REVISED -
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PLOT DATE =	CHECKED -	REVISED -

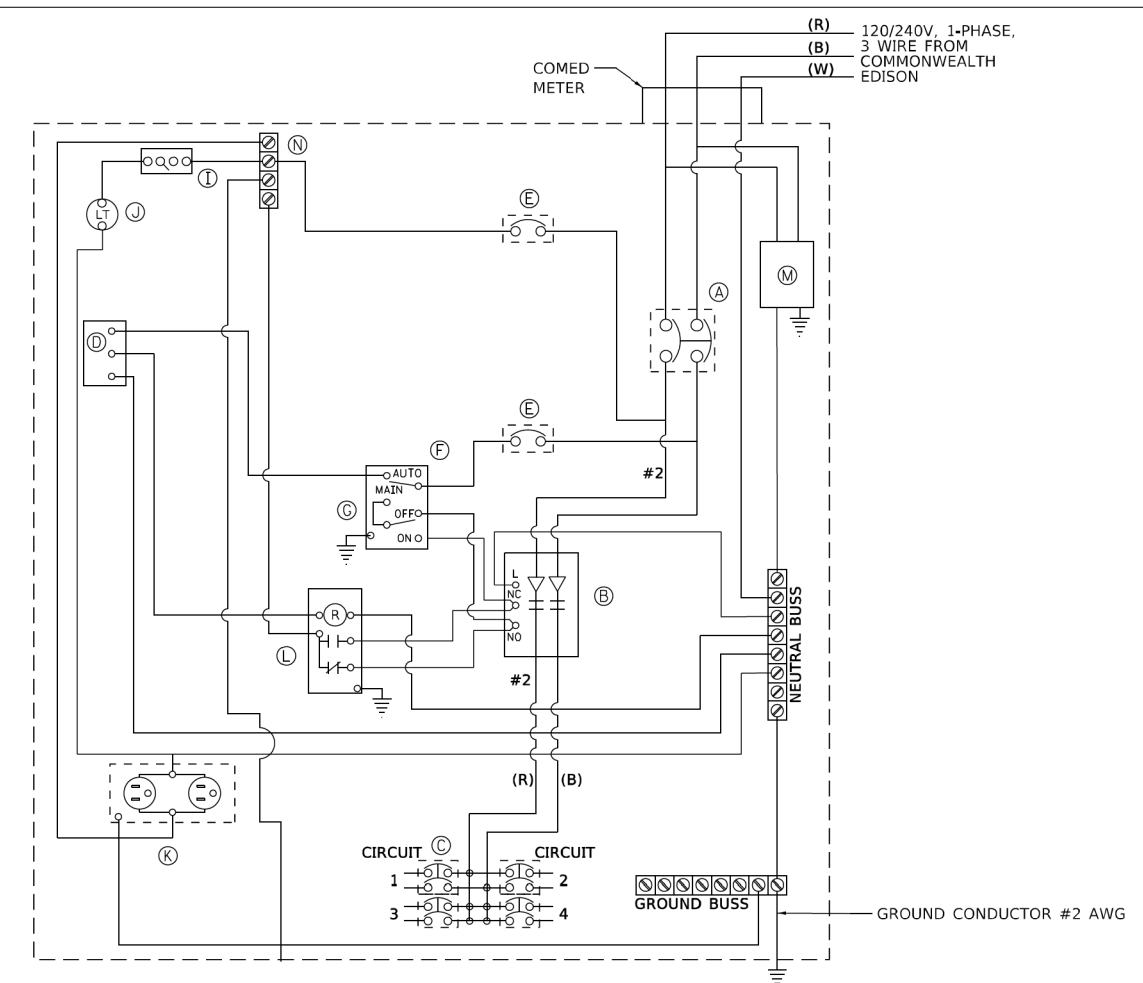
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR LIGHTING DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	55
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				



ELEVATION
LIGHTING CONTROLLER & FOUNDATION



DEVICE SCHEDULE		
QUANTITY	DESCRIPTION	
(A) 1	100 AMP CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, SINGLE THROW, 600V FRAME, NON-INTERCHANGABLE TRIP, BOLT ON TYPE.	
(B) 1	100 AMP, ELECTRICALLY OPERATED AND MECHANICALLY HELD LIGHTING CONTRACTOR, 2-POLE, 600 VOLT WITH 120 V COIL	
(C) 4	120/240 VOLT 1 PHASE PANEL BOARD WITH 100 AMP COPPER MAINS TWO POLE, 30 AMP, 120 VOLT BOLT ON BRANCH CIRCUIT BREAKERS	
(D) 1	TERMINAL BLOCK FOR REMOTE PHOTOCELL	
(E) 2	THERMAL MAGNETIC, MOLDED CASE CIRCUIT BREAKER, 1 POLE, 15 AMP, 120 VOLT BOLT ON TYPE	
(F) 1	CONTROL SWITCH, MOMENTARY CONTACT, SPDT, 15 AMP, 120 VOLT	
(G) 1	CONTROL SWITCH, TOGGLE TYPE, SPDT, 20 AMP, 120 VOLT SPECIAL GRADE	
(I) 1	MICRO SWITCH (MOUNTED WITH ACTUATOR TO SWITCH WHEN DOOR IS OPEN) 120 VOLT, 20 AMP	
(J) 1	LED LIGHT FIXTURE VAPOR TIGHT WITH GLOBE, GUARD, AND MOUNTING BOX	
(K) 1	120 VOLT, 20 AMP RECEPTACLE, SPECIFICATION GRADE IN NEMA 5-15R WEATHER PROOF BOX WITH FLAP-TYPE COVER. OUTLET TO BE GFI-TYPE.	
(L) 1	POWER RELAY WITH 25 AMP CONTACTS RATED FOR CONTRACTOR INRUSH CURRENT - 120 VOLT COIL	
(M) 1	SURGE PROTECTOR, 20kA	
(N) 1	TERMINAL BLOCK, 120 VOLT, 50 AMP MAXIMUM WITH NUMBER OF TERMINALS AS INDICATED	

- NOTES:**
- ALL CIRCUIT BREAKERS SHALL HAVE AN INTERRUPT RATING OF 18,000 AMPS
 - UL LISTED DEVICES/COMPONENTS SHALL BE USED
 - NO SPLICES OF WIRES IN CABINET
 - CONTROL WIRE TO BE #12 MTW
 - POWER WIRE SHALL BE RATED RHH/RHW 600 VOLTS OF SIZE INDICATED
 - LIGHTING CONTROLLER SHALL BE SERVICE ENTRANCE RATED
 - PANEL SHALL BE DEAD FRONT TO ALLOW OPERATION OF HOA SWITCH

120/240 VOLT CONTROLLER PANEL WIRING DIAGRAM

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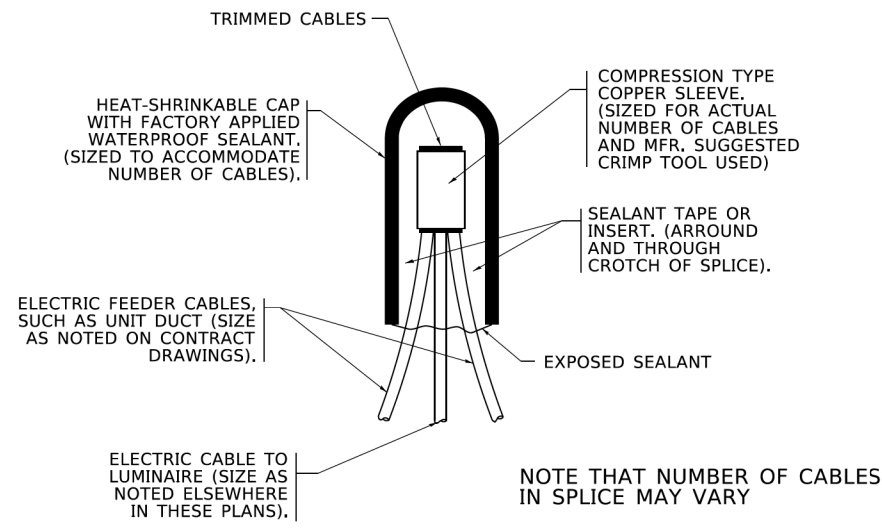
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PLOT DATE =	CHECKED -	REVISED -

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DEPARTMENT OF TRANSPORTATION**

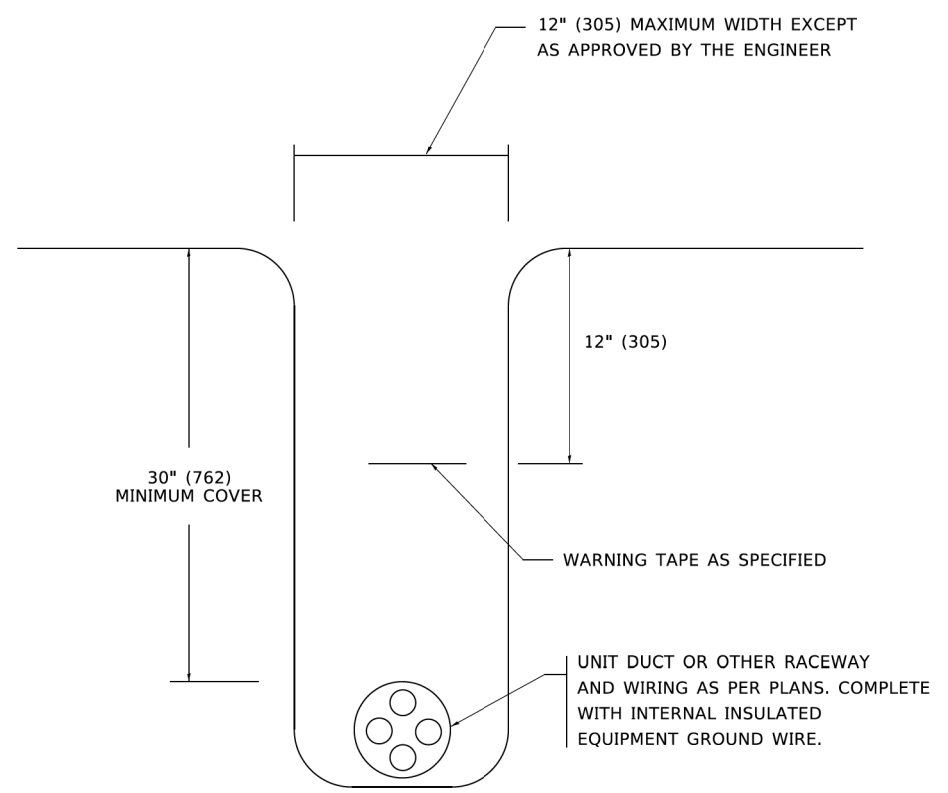
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LIGHTING DETAILS**

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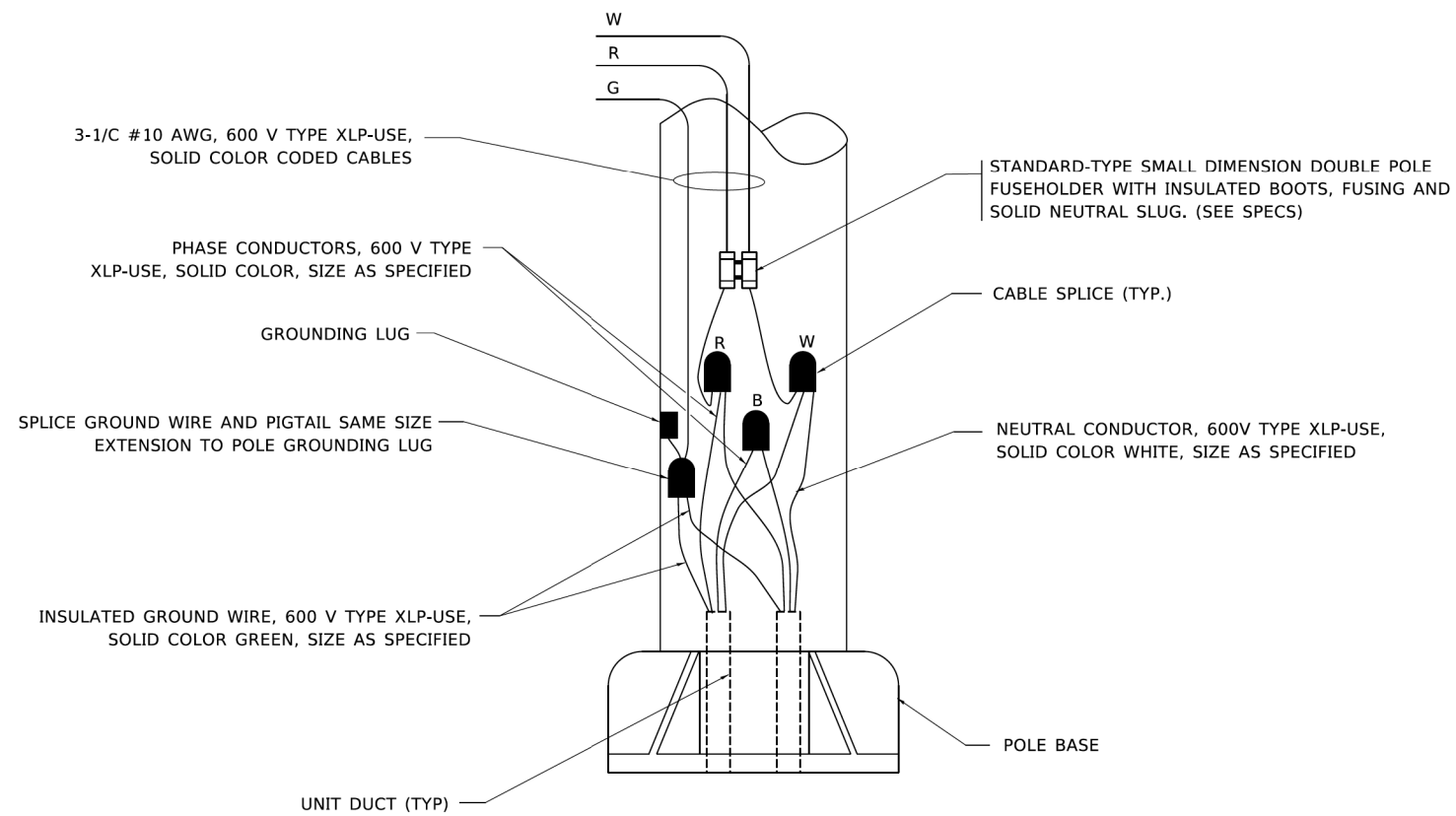
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3512	21-00174-00-BR	COOK	154	56
CONTRACT NO. 61M15				
		ILLINOIS	FED. AID PROJECT	



TYPICAL SPLICE DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

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PLOT DATE = 3/2/2020	CHECKED -	REVISED -
	DATE - 08/08/2003	REVISED -

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DEPARTMENT OF TRANSPORTATION**

**MISC. ELECTRICAL DETAILS
SHEET A**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BE-702		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

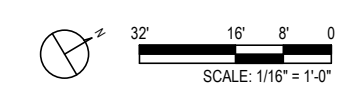
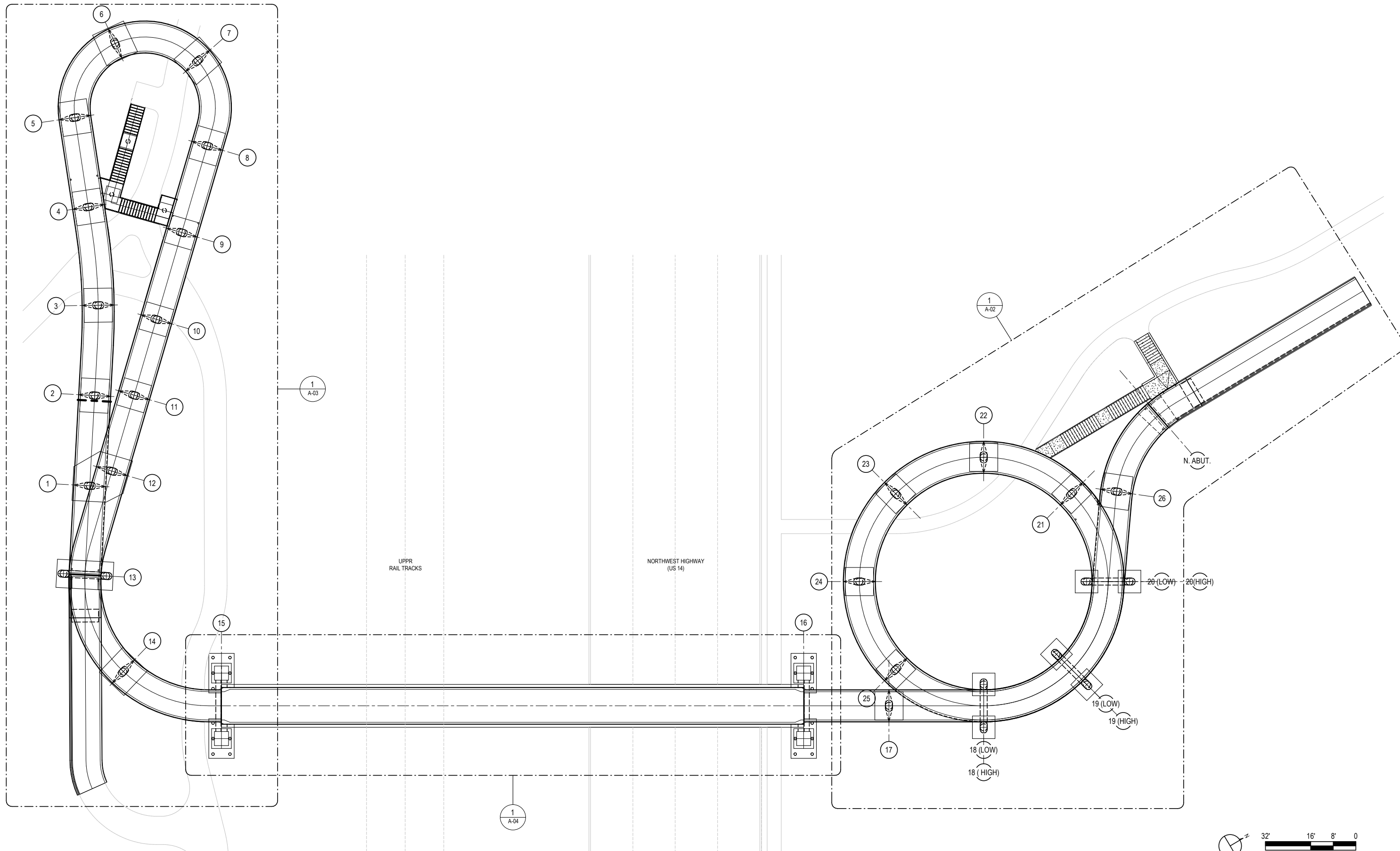
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DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
LIGHTING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	57
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				



1 OVERALL PLAN
1/16" = 1'-0"



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PLOT DATE =	CHECKED -	REVISED -

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OVERALL PLAN
MELIAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR

SCALE: SHEET A-01 OF A-14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	58
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

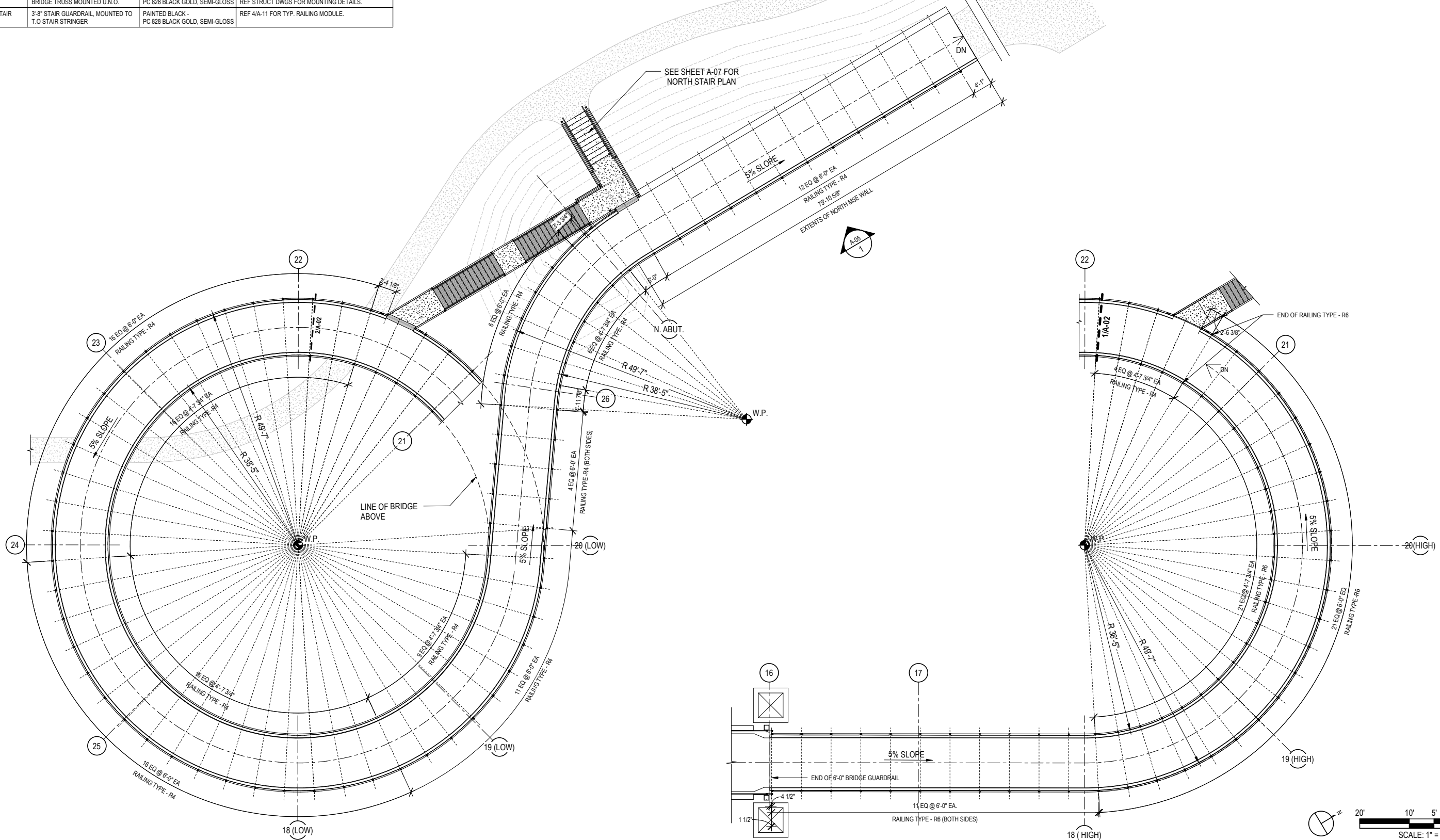
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GUARDRAIL LEGEND			
TYPE	DESCRIPTION	COLOR/FINISH	DWG REFERENCE
R-4	4'-6" BRIDGE GUARDRAIL, SIDE MOUNTED U.N.O.	PAINTED BLACK - PC 828 BLACK GOLD, SEMI-GLOSS	REF 3/A-11 FOR TYP. RAILING MODULE. REF STRUCT DWGS FOR MOUNTING DETAILS.
R-6	6'-0" BRIDGE GUARDRAIL, SIDE MOUNTED U.N.O.	PAINTED BLACK - PC 828 BLACK GOLD, SEMI-GLOSS	REF 2/A-11 FOR TYP. RAILING MODULE. REF STRUCT DWGS FOR MOUNTING DETAILS.
R-9	9'-3 1/8" CURVED BRIDGE GUARDRAIL, BRIDGE TRUSS MOUNTED U.N.O.	PAINTED BLACK - PC 828 BLACK GOLD, SEMI-GLOSS	REF 1/A-11 FOR TYP. RAILING MODULE. REF STRUCT DWGS FOR MOUNTING DETAILS.
STAIR	3'-8" STAIR GUARDRAIL, MOUNTED TO T.O STAIR STRINGER	PAINTED BLACK - PC 828 BLACK GOLD, SEMI-GLOSS	REF 4/A-11 FOR TYP. RAILING MODULE.

NOTES

1. REFER TO STRUCTURAL DWGS FOR ALL PROFILE & PLAN LAYOUT GEOMETRICS.
2. SLOPE OF RAILING TO MATCH SLOPE OF WALKING SURFACE, TYP.
3. RAILING LAYOUT FOR INFORMATION ONLY. FINAL LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AS PART OF THE SHOP DRAWING SUBMITTAL AND REVIEW PROCESS.
4. DIMENSIONS OF RAILINGS IN PLAN ARE LEVEL.
5. RADI OF BRIDGE DECK CURVATURE MEASURED FROM OUTSIDE OF BRIDGE DECK, TYP.
6. ALL RAILING WELDS TO BE SMOOTHED AND GROUND TO CLASS A FINISH, TYP.



1 NORTH APPROACH BRIDGE - RAILING PLAN A
1" = 10'-0"

2 NORTH APPROACH BRIDGE - RAILING PLAN B
1" = 10'-0"



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NORTH APPROACH BRIDGE - RAILING PLAN
MELIAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR

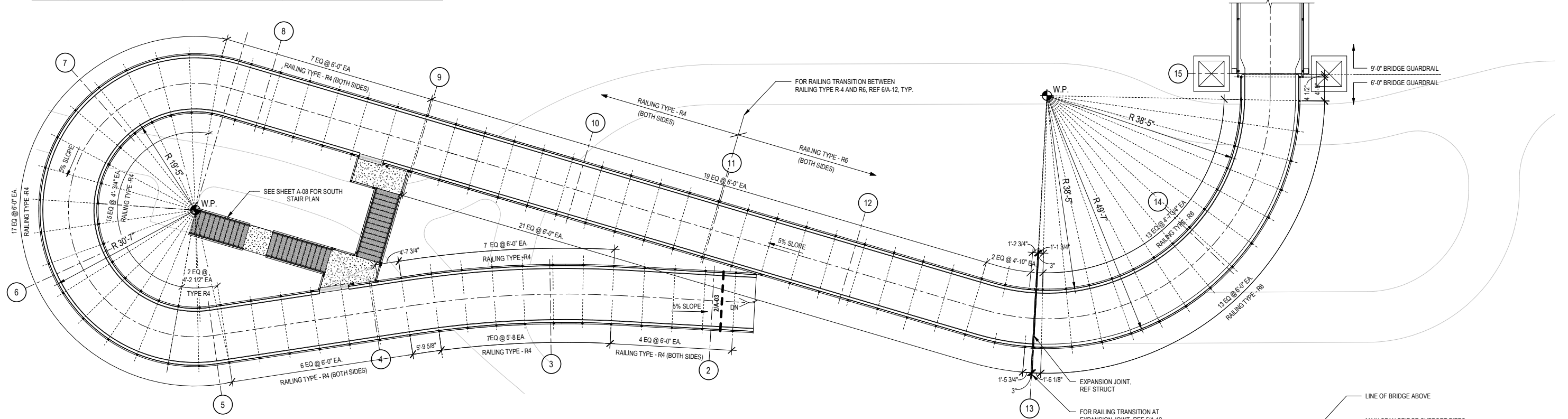
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

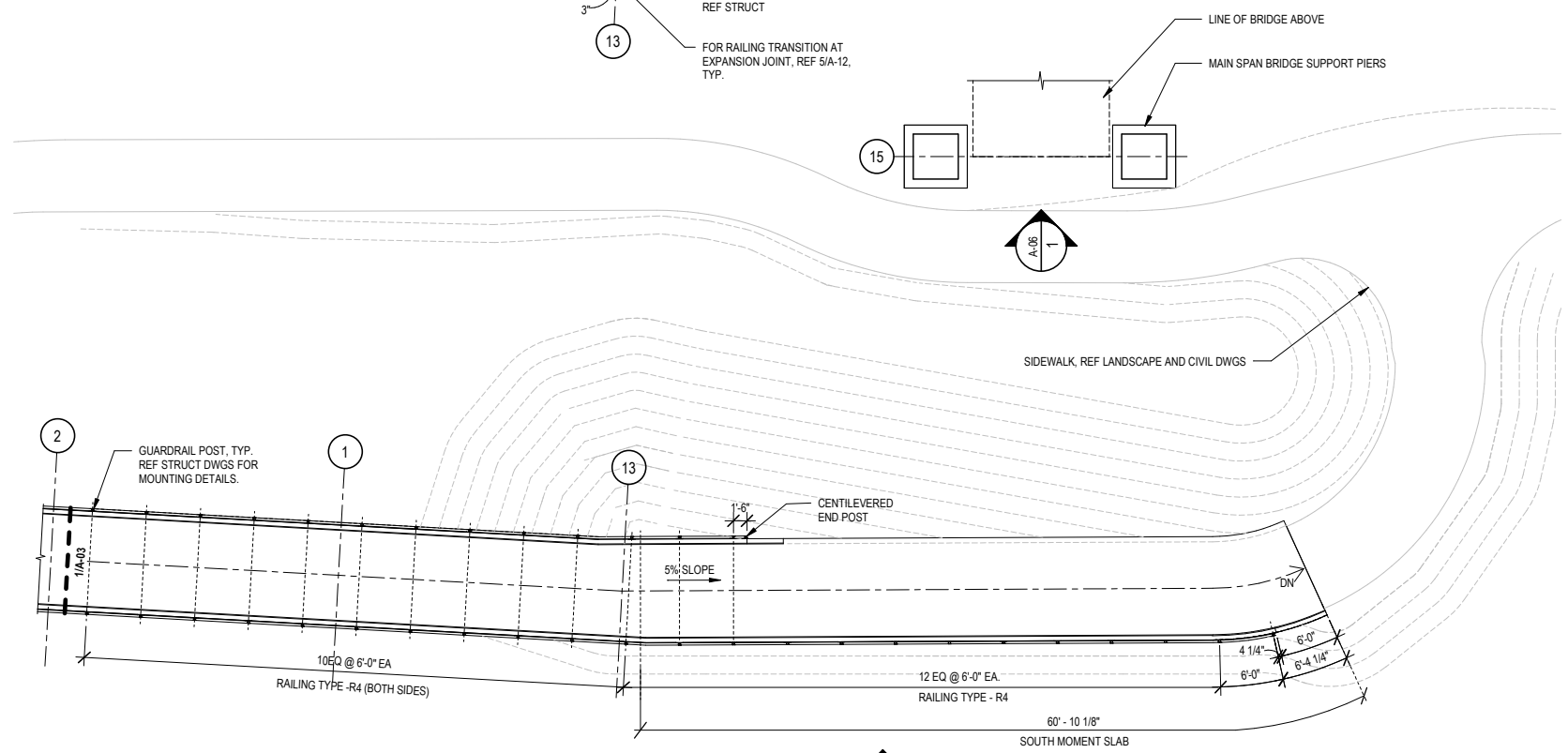
NOTES

1. REFER TO STRUCTURAL DWGS FOR ALL PROFILE & PLAN LAYOUT GEOMETRICS.
2. SLOPE OF RAILING TO MATCH SLOPE OF WALKING SURFACE, TYP.
3. RAILING LAYOUT FOR INFORMATION ONLY. FINAL LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AS PART OF THE SHOP DRAWING SUBMITTAL AND REVIEW PROCESS.
4. DIMENSIONS OF RAILINGS IN PLAN ARE LEVEL.
5. RADI OF BRIDGE DECK CURVATURE MEASURED FROM OUTSIDE OF BRIDGE DECK, TYP.
6. ALL RAILING WELDS TO BE SMOOTHED AND GROUND TO CLASS A FINISH, TYP.

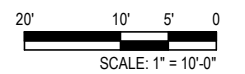
GUARDRAIL LEGEND			
TYPE	DESCRIPTION	COLOR/FINISH	DWG REFERENCE
R-4	4'-6" BRIDGE GUARDRAIL, SIDE MOUNTED U.N.O.	PAINTED BLACK - PC 828 BLACK GOLD, SEMI-GLOSS	REF 3/A-11 FOR TYP. RAILING MODULE. REF STRUCT DWGS FOR MOUNTING DETAILS.
R-6	6'-0" BRIDGE GUARDRAIL, SIDE MOUNTED U.N.O.	PAINTED BLACK - PC 828 BLACK GOLD, SEMI-GLOSS	REF 2/A-11 FOR TYP. RAILING MODULE. REF STRUCT DWGS FOR MOUNTING DETAILS.
R-9	9'-3 1/8" CURVED BRIDGE GUARDRAIL, BRIDGE TRUSS MOUNTED U.N.O.	PAINTED BLACK - PC 828 BLACK GOLD, SEMI-GLOSS	REF 1/A-11 FOR TYP. RAILING MODULE. REF STRUCT DWGS FOR MOUNTING DETAILS.
STAIR	3'-8" STAIR GUARDRAIL, MOUNTED TO T.O STAIR STRINGER	PAINTED BLACK - PC 828 BLACK GOLD, SEMI-GLOSS	REF 4/A-11 FOR TYP. RAILING MODULE.



1 SOUTH APPROACH RAMP - RAILING PLAN A
1" = 10'-0"



2 SOUTH APPROACH BRIDGE - RAILING PLAN B
1" = 10'-0"



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PLOT DATE =	CHECKED -	REVISED -

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SOUTH APPROACH BRIDGE - RAILING PLAN
MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR

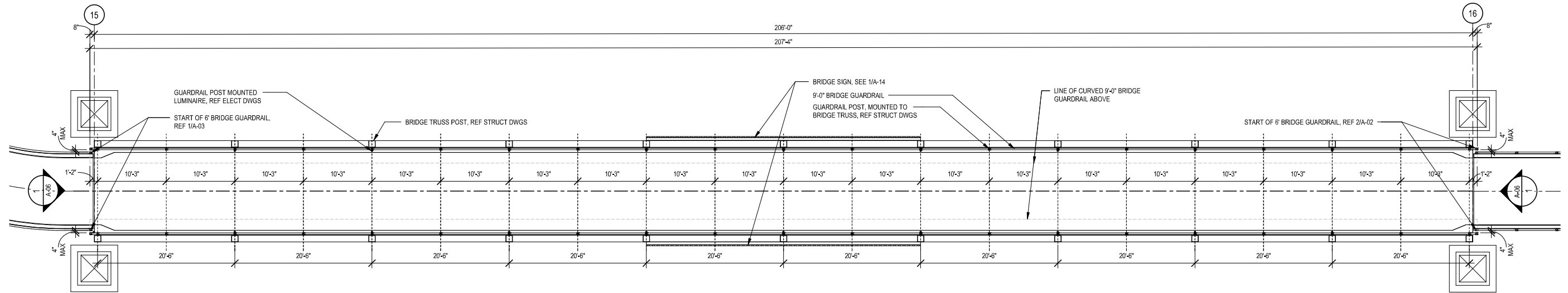
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3512	21-00174-00-BR	COOK	154	60
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET A-03 OF A-14 SHEETS STA. TO STA.

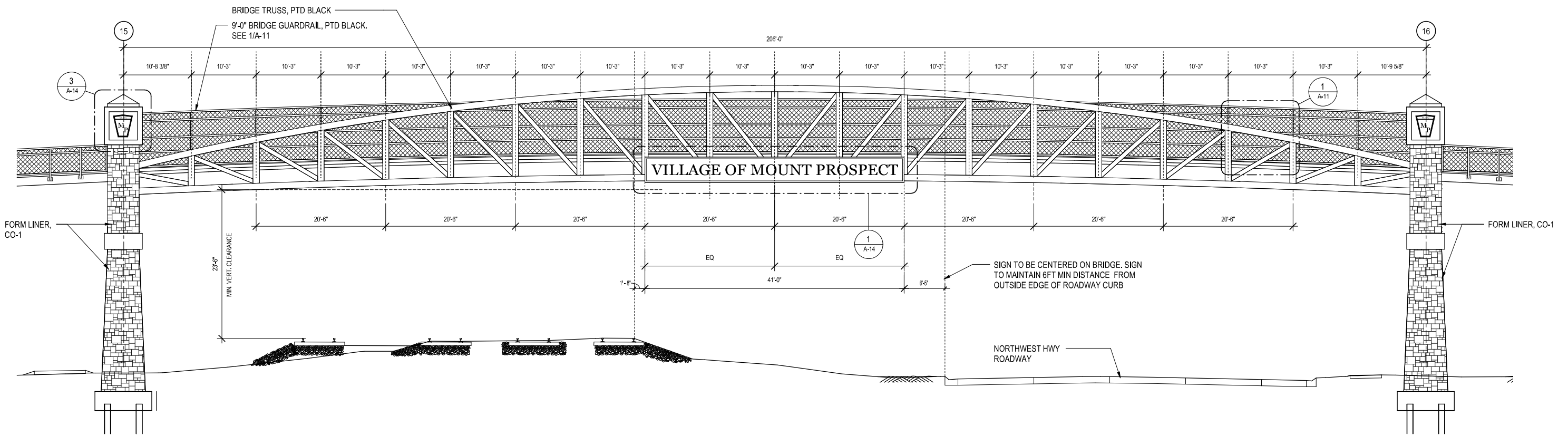
GUARDRAIL LEGEND			
TYPE	DESCRIPTION	COLOR/FINISH	DWG REFERENCE
R-4	4'-6" BRIDGE GUARDRAIL, SIDE MOUNTED U.N.O.	PAINTED BLACK - PC 828 BLACK GOLD, SEMI-GLOSS	REF 3/A-11 FOR TYP, RAILING MODULE, REF STRUCT DWGS FOR MOUNTING DETAILS.
R-6	6'-0" BRIDGE GUARDRAIL, SIDE MOUNTED U.N.O.	PAINTED BLACK - PC 828 BLACK GOLD, SEMI-GLOSS	REF 2/A-11 FOR TYP, RAILING MODULE, REF STRUCT DWGS FOR MOUNTING DETAILS.
R-9	9'-3 1/8" CURVED BRIDGE GUARDRAIL, BRIDGE TRUSS MOUNTED U.N.O.	PAINTED BLACK - PC 828 BLACK GOLD, SEMI-GLOSS	REF 1/A-11 FOR TYP, RAILING MODULE, REF STRUCT DWGS FOR MOUNTING DETAILS.
STAIR	3'-8" STAIR GUARDRAIL, MOUNTED TO T.O STAIR STRINGER	PAINTED BLACK - PC 828 BLACK GOLD, SEMI-GLOSS	REF 4/A-11 FOR TYP, RAILING MODULE.

NOTES

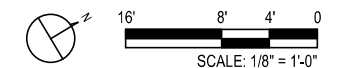
- REFER TO STRUCTURAL DWGS FOR ALL PROFILE & PLAN LAYOUT GEOMETRICS.
- SLOPE OF RAILING TO MATCH SLOPE OF WALKING SURFACE, TYP.
- RAILING LAYOUT FOR INFORMATION ONLY, FINAL LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AS PART OF THE SHOP DRAWING SUBMITTAL AND REVIEW PROCESS.
- DIMENSIONS OF RAILINGS IN PLAN ARE LEVEL.
- RADI OF BRIDGE DECK CURVATURE MEASURED FROM OUTSIDE OF BRIDGE DECK, TYP.
- ALL RAILING WELDS TO BE SMOOTHED AND GROUND TO CLASS A FINISH, TYP.



1 PLAN - MAIN SPAN BRIDGE
1/8" = 1'-0"



2 ELEVATION - MAIN SPAN BRIDGE
1/8" = 1'-0"



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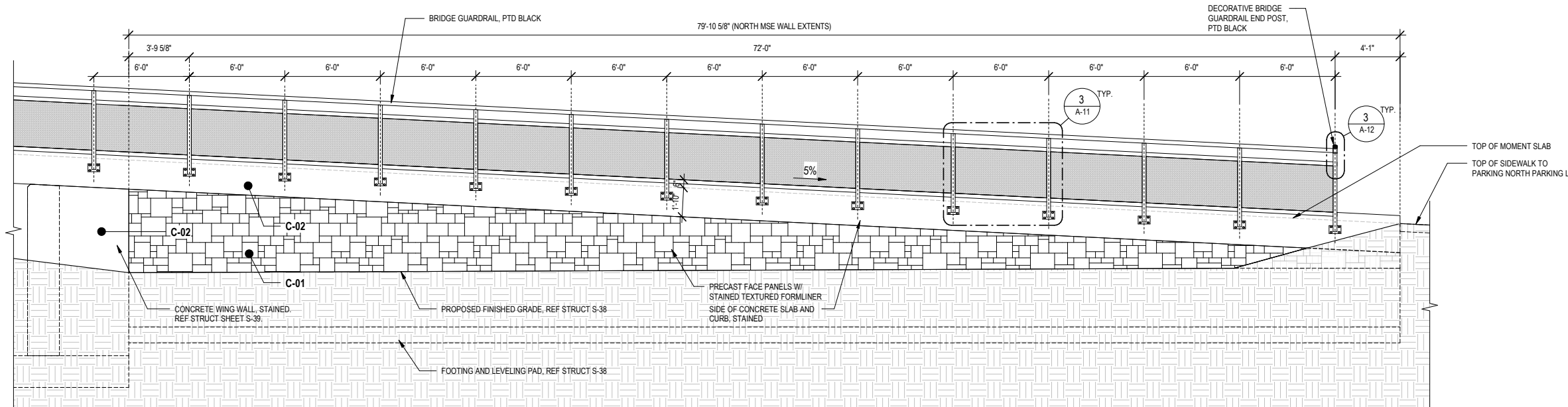
MAIN SPAN BRIDGE PLAN AND ELEVATION
MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
SCALE: SHEET A-04 OF A-14 SHEETS STA. TO STA.

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

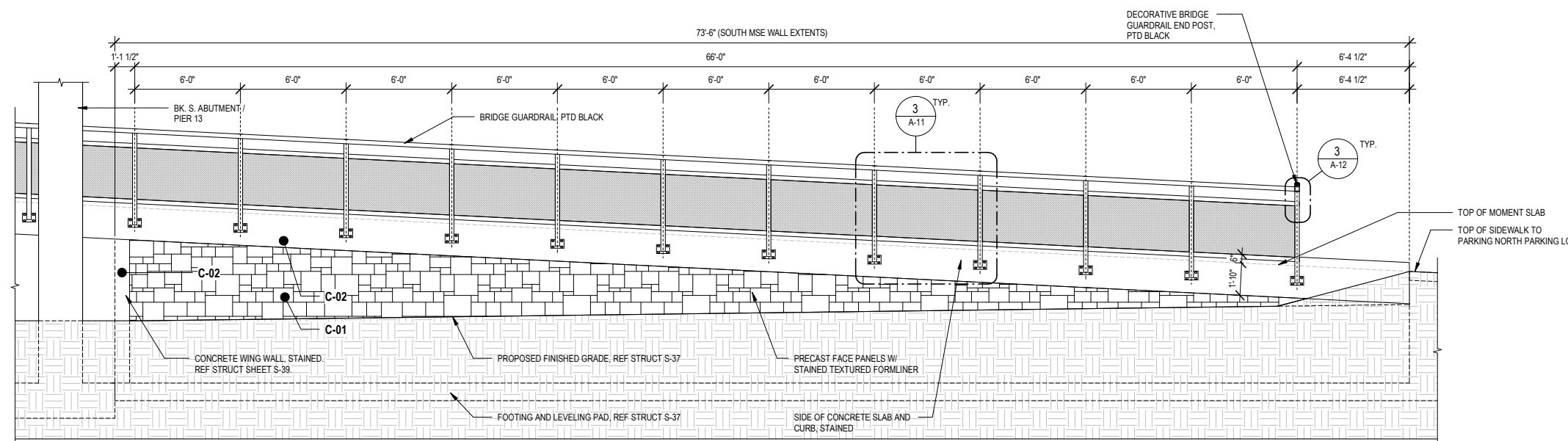
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NOTES

1. REFER TO STRUCTURAL DWGS FOR ALL PROFILE & PLAN LAYOUT GEOMETRICS.
2. SLOPE OF RAILING TO MATCH SLOPE OF WALKING SURFACE, TYP.
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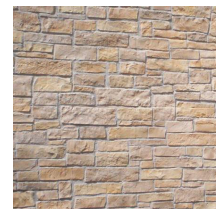


1 ELEVATION - NORTH MSE WALL
1/4" = 1'-0"



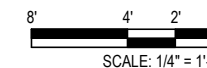
2 ELEVATION - SOUTH MSE WALL
1/4" = 1'-0"

CAST IN PLACE CONCRETE FINISH SCHEDULE			
ABBREVIATION	CONCRETE FORM DESIGN STYLE	COLOR/FINISH	LOCATIONS
C-01	TEXTURED FORM LINER - COURSED STONE PATTERN	MULTI-COLOR STAIN, SEALED (REF EXAMPLE PHOTO)	MAIN SPAN BRIDGE PIERS MSE WALLS
C-02	CAST IN PLACE FORMLINER - NO PATTERN	SINGLE COLOR STAIN, SEALED (CONCRETE COLOR TO MATCH BASE COLOR OF C-01 STAIN)	APPROACH BRIDGE PIERS SIDES OF APPROACH BRIDGE SLAB SIDES OF APPROACH BRIDGE MSE WALL COPING NORTH STAIR RETAINING WALLS STAIR LANDINGS STAIR SUPPORT COLUMNS



C-01: BASIS OF DESIGN COLOR VARIATION FOR MULTI-COLOR STAIN FOR TEXTURED FORM LINER CONCRETE
N.T.S.

- NOTES:
1. REFER TO STRUCTURAL DRAWINGS FOR ALL PROFILE AND PLAN LAYOUT GEOMETRICS.
 2. FORM LINER PATTERN TO EXTEND BELOW GRADE TO TOP OF FOOTING OR LEVELING PAD.



10/28/2025 2:55:42 AM



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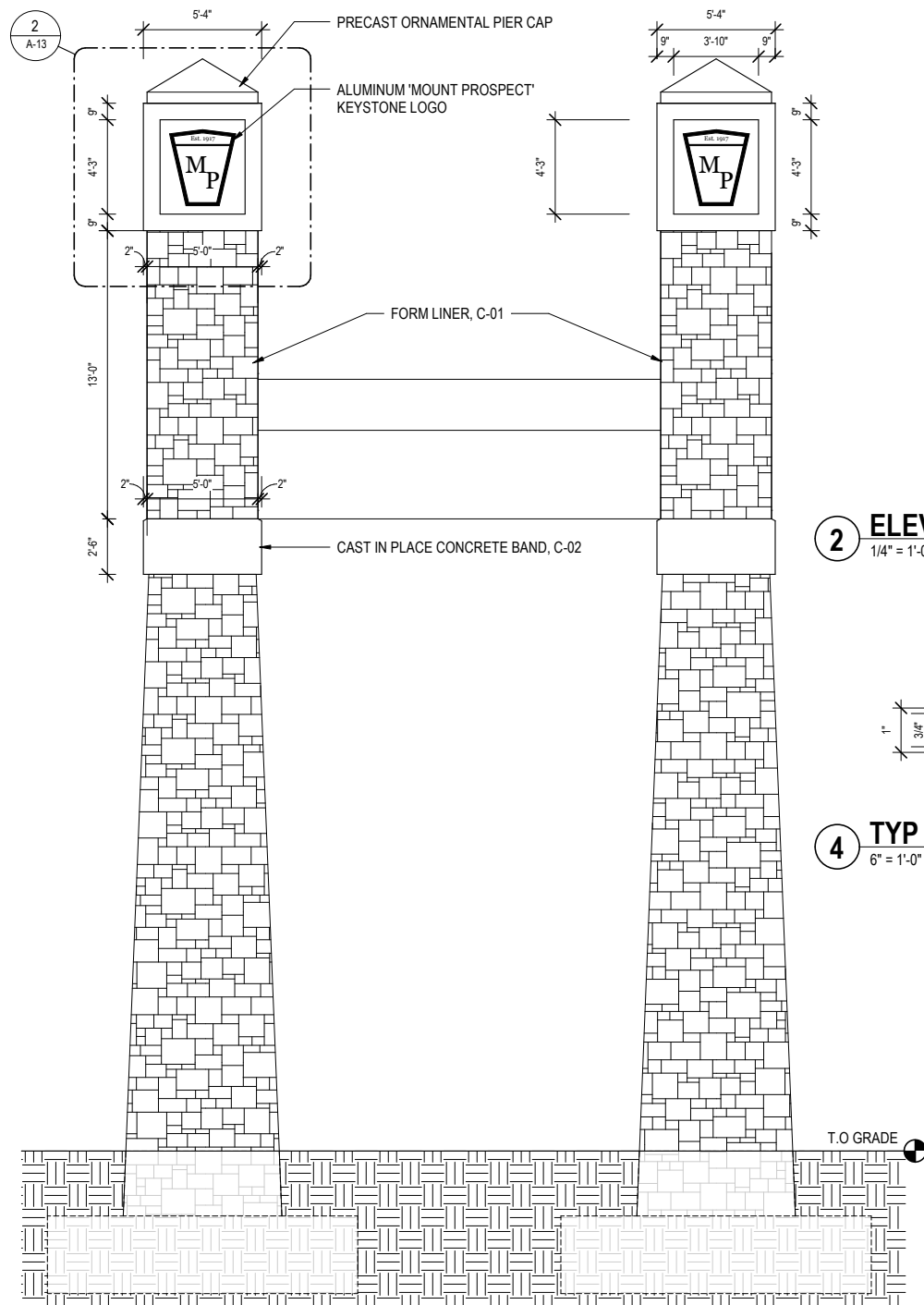
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MSE WALL ELEVATIONS
MELIAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR

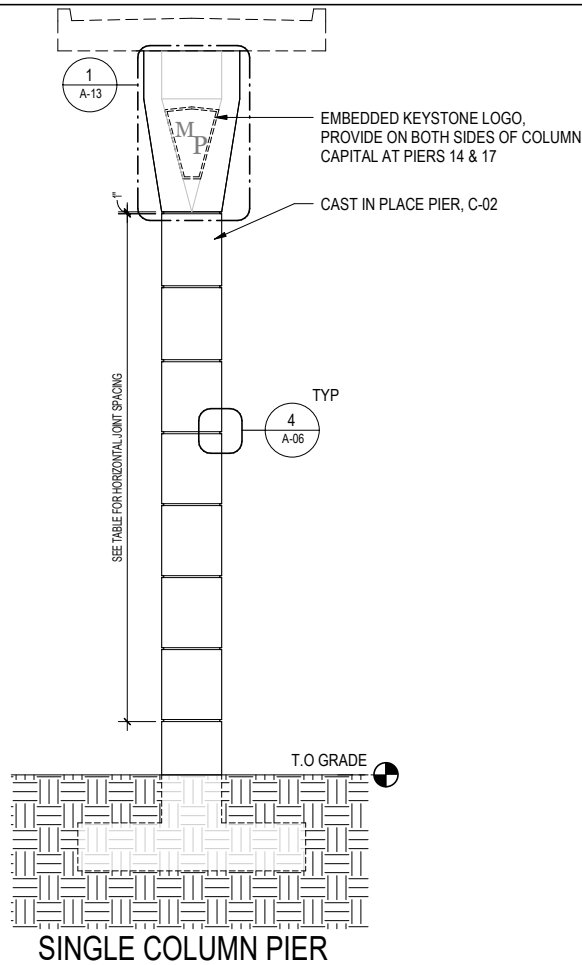
SCALE: SHEET A-05 OF A-14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	62
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

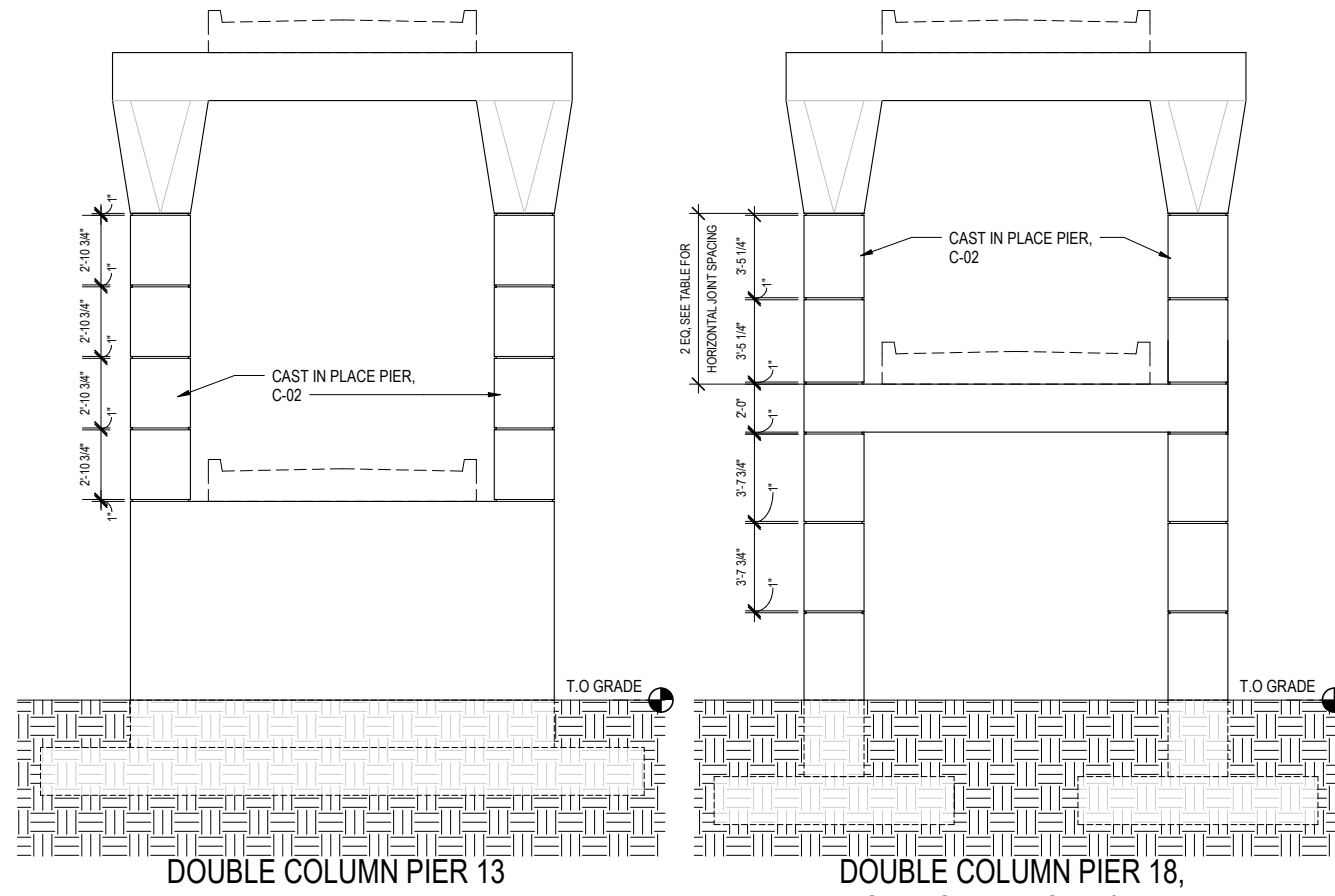
- NOTES:**
1. DETAILED FORM LINER REQUIREMENTS ARE COVERED IN SPECIAL PROVISION FOR FORM LINER.
 2. COORDINATE DETAILED FORM LINER CONCEPTS SHOWN ON THIS SHEET WITH STRUCTURAL SHEETS FOR ASSUMPTIONS AS IT RELATES TO LIMITS OF FORM LINER AND ALLOWANCE FOR DEPTH OF FORM LINER WITHIN STRUCTURAL MEMBER.
 3. FORM LINER PATTERN TO EXTEND BELOW GRADE TO TOP OF FOOTING OR LEVELING PAD.



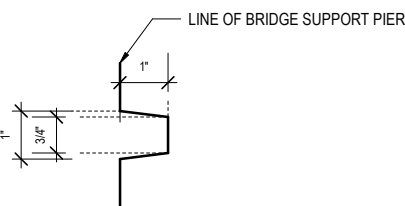
1 ELEVATION - TYPICAL MAIN SPAN BRIDGE PIER
1/4" = 1'-0"



2 ELEVATION - SINGLE COLUMN APPROACH PIER
1/4" = 1'-0"



3 ELEVATION - DOUBLE COLUMN APPROACH PIERS
1/4" = 1'-0"

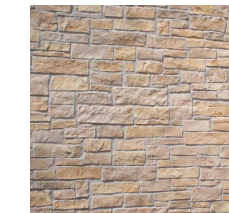


4 TYP HORIZONTAL REVEAL JOINT
6" = 1'-0"

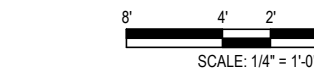
SOUTH BRIDGE PIER COLUMN HORIZONTAL JOINT SPACING			
PIER #	COLUMN HEIGHT (T.O GRADE TO B.O CAPITAL)	INTERVAL BETWEEN JOINTS	NUMBER OF JOINTS
1	2' - 10 8/16"	NA	0
2	4' - 11 1/16"	NA	0
3	6' - 6 1/2"	3' - 0"	2
4	8' - 8 11/16"	3' - 0"	2
5	13' - 3 6/18"	3' - 0"	4
6	16' - 7 11/16"	3' - 0"	5
7	9' - 9 13/16"	3' - 0"	3
8	12' - 5 3/16"	3' - 0"	4
9	15' - 3 7/16"	3' - 0"	5
10	17' - 6 7/8"	3' - 0"	5
11	18' - 8 1/4"	3' - 0"	6
12	20' - 3 5/16"	3' - 0"	6
13	20' - 3 15/16" 12' - 1/2" (TOP) / 6' - 3 7/16" (BOTTOM)	3 EQ JOINTS AT TOP LEVEL / 1 EQ JOINT AT BOTTOM LEVEL	6 TOTAL (4 TOP / 2 BOTTOM)
14	23' - 4 5/8"	3' - 0"	7

NORTH BRIDGE PIER COLUMN HORIZONTAL JOINT SPACING			
PIER #	COLUMN HEIGHT (T.O GRADE TO B.O CAPITAL)	INTERVAL BETWEEN JOINTS	NUMBER OF JOINTS
17	23' - 9 9/16"	3' - 0"	7
18	28' - 1 11/32" 7' - 1 3/8" (TOP) / 11' 2 1/16" (BOTTOM)	2 EQ JOINTS AT TOP LEVEL / 3 EQ JOINTS AT BOTTOM LEVEL	5 TOTAL (2 TOP / 3 BOTTOM)
19	27' - 5 7/16" 7' - 1 3/8" (TOP) / 11' - 7/16" (BOTTOM)	2 EQ JOINTS AT TOP LEVEL / 3 EQ JOINTS AT BOTTOM LEVEL	5 TOTAL (2 TOP / 3 BOTTOM)
20	26' - 7 7/16" 7' - 1 3/8" (TOP) / 10' - 9 9/16" (BOTTOM)	2 EQ JOINTS AT TOP LEVEL / 3 EQ JOINTS AT BOTTOM LEVEL	5 TOTAL (2 TOP / 3 BOTTOM)
21	18' - 3 3/16"	3' - 0"	6
22	14' - 4 9/16"	3' - 0"	4
23	11' - 10 1/4"	3' - 0"	3
24	10' - 3 1/16"	3' - 0"	3
25	9' - 9 7/16"	3' - 0"	3
26	5' - 5 1/8"	2' - 9 1/4"	1

CAST IN PLACE CONCRETE FINISH SCHEDULE			
ABBREVIATION	CONCRETE FORM DESIGN STYLE	COLOR/FINISH	LOCATIONS
C-01	TEXTURED FORM LINER - COURSED STONE PATTERN	MULTI-COLOR STAIN, SEALED (REF EXAMPLE PHOTO)	MAIN SPAN BRIDGE PIERS MSE WALLS
C-02	CAST IN PLACE FORMLINER - NO PATTERN	SINGLE COLOR STAIN, SEALED (CONCRETE COLOR TO MATCH BASE COLOR OF C-01 STAIN)	APPROACH BRIDGE PIERS SIDES OF APPROACH BRIDGE SLAB SIDES OF APPROACH SLAB MSE WALL COPING SIDES OF MOMENT SLAB MSE WALL COPING NORTH STAIR RETAINING WALLS STAIR LANDINGS STAIR SUPPORT COLUMNS



C-01: BASIS OF DESIGN COLOR VARIATION FOR MULTI-COLOR STAIN FOR TEXTURED FORM LINER CONCRETE
N.T.S.



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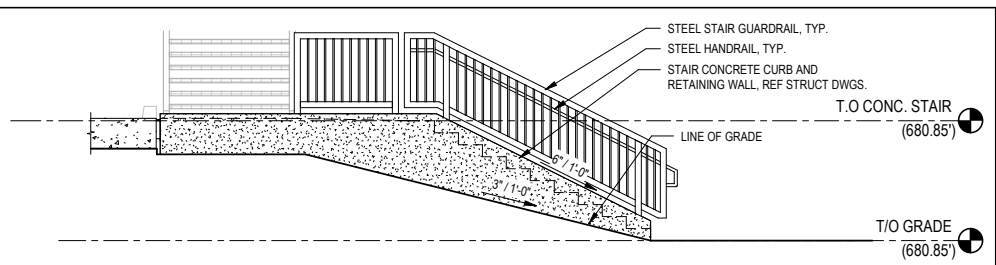
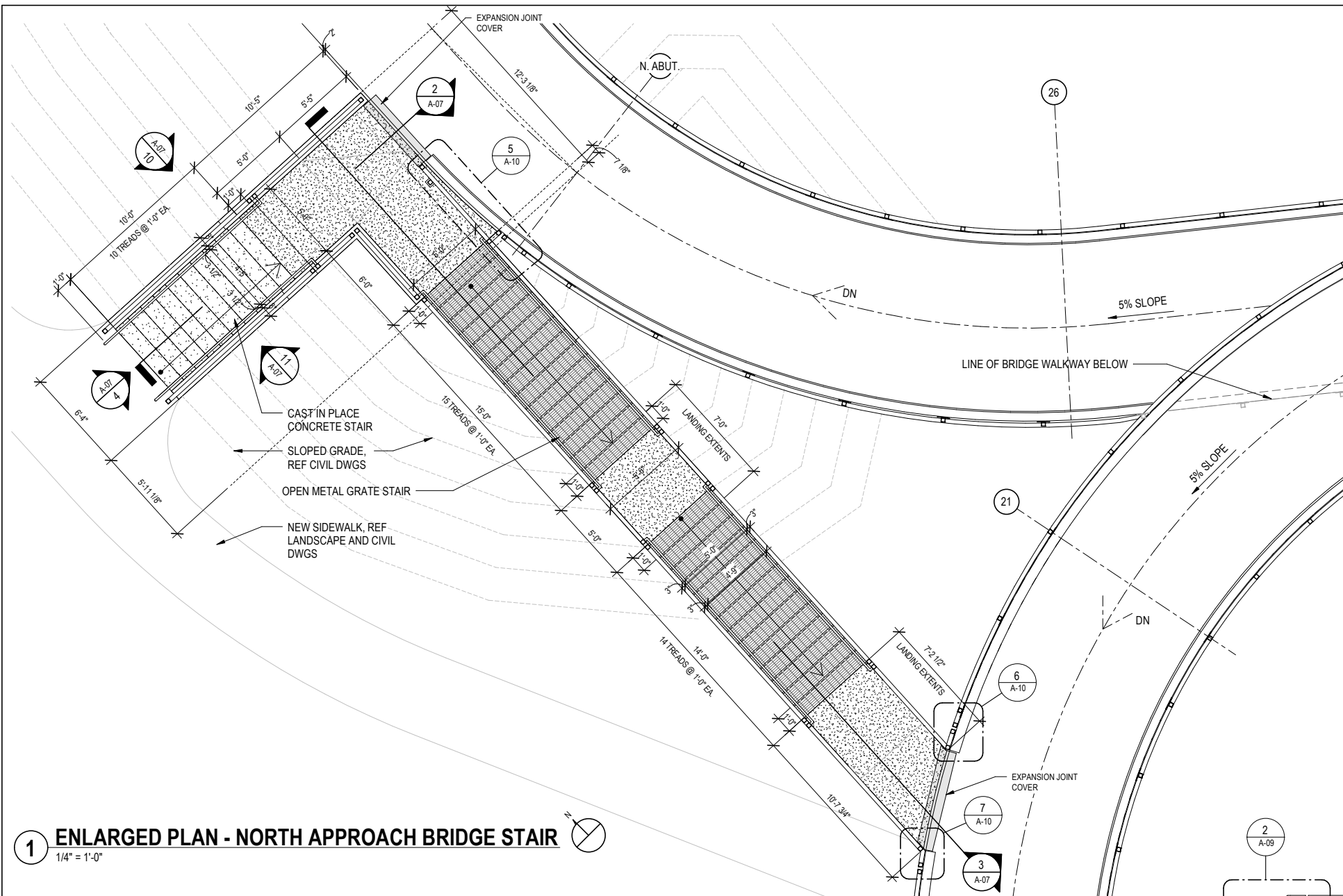
BRIDGE COLUMN ELEVATIONS

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR

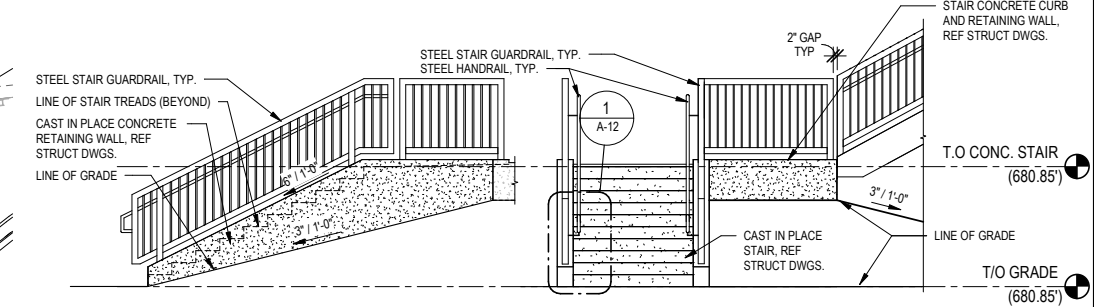
SCALE: SHEET A-06 OF A-14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	63
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

Autodesk Docs://Melias Meadows Pedestrian Bridge/MELIAS MEADOWS PEDESTRIAN BRIDGE_092025.rvt



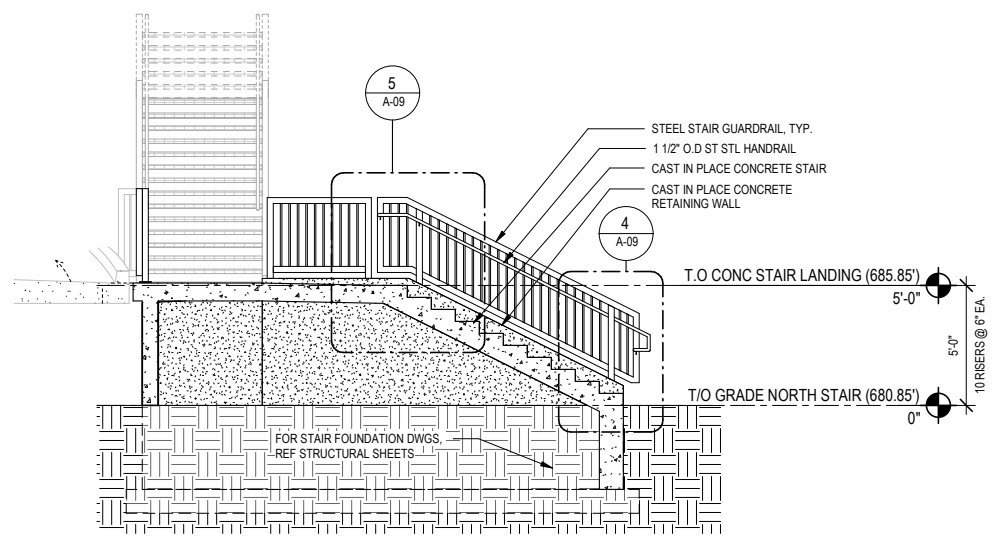
10 NORTH STAIR ELEVATION - FACING SOUTH
1/4" = 1'-0"



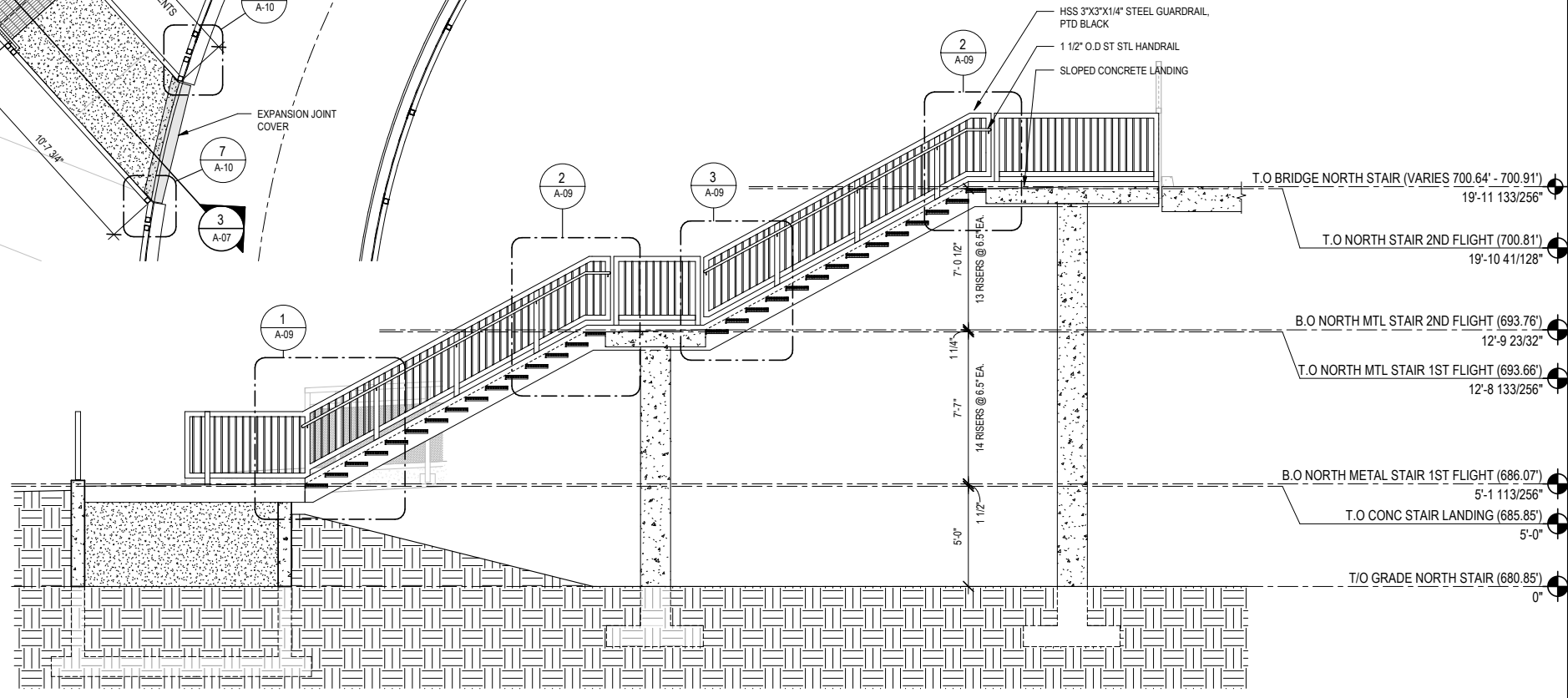
11 NORTH STAIR ELEVATION - FACING NORTH
1/4" = 1'-0"

4 NORTH STAIR ELEVATION - FACING EAST
1/4" = 1'-0"

1 ENLARGED PLAN - NORTH APPROACH BRIDGE STAIR
1/4" = 1'-0"



2 SECTION - NORTH APPROACH BRIDGE CONCRETE STAIR E/W
1/4" = 1'-0"



3 SECTION - NORTH APPROACH BRIDGE METAL STAIR N/S
1/4" = 1'-0"



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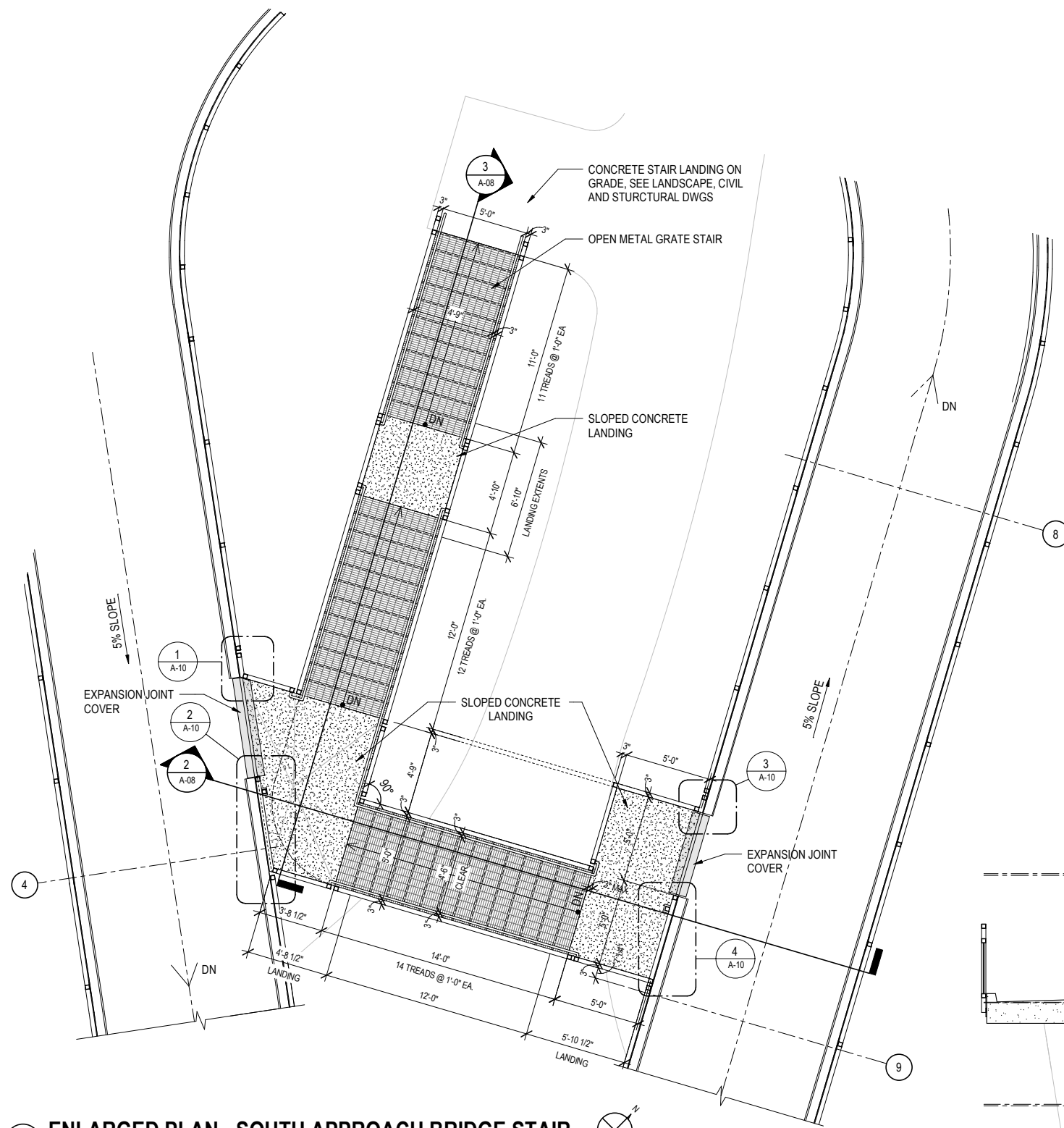
**STATE OF ILLINOIS
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NORTH STAIR PLAN

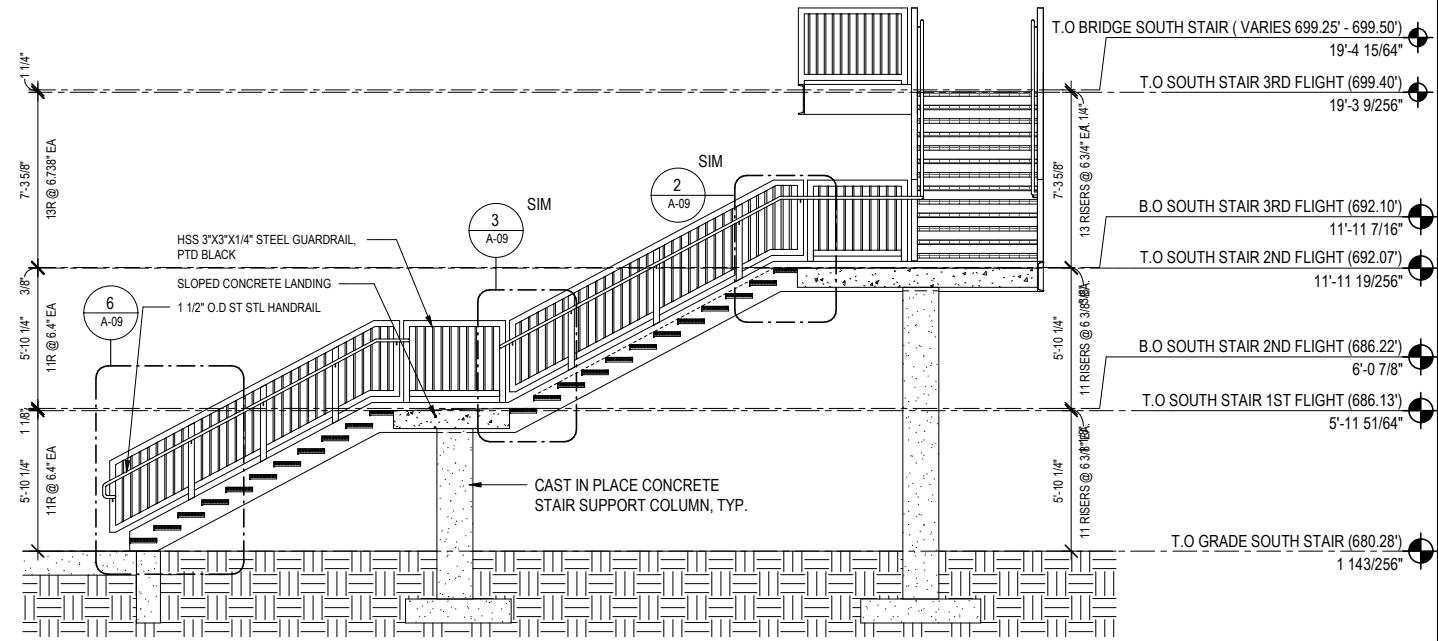
MELIAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR

SCALE: SHEET A-07 OF A-14 SHEETS STA. TO STA.

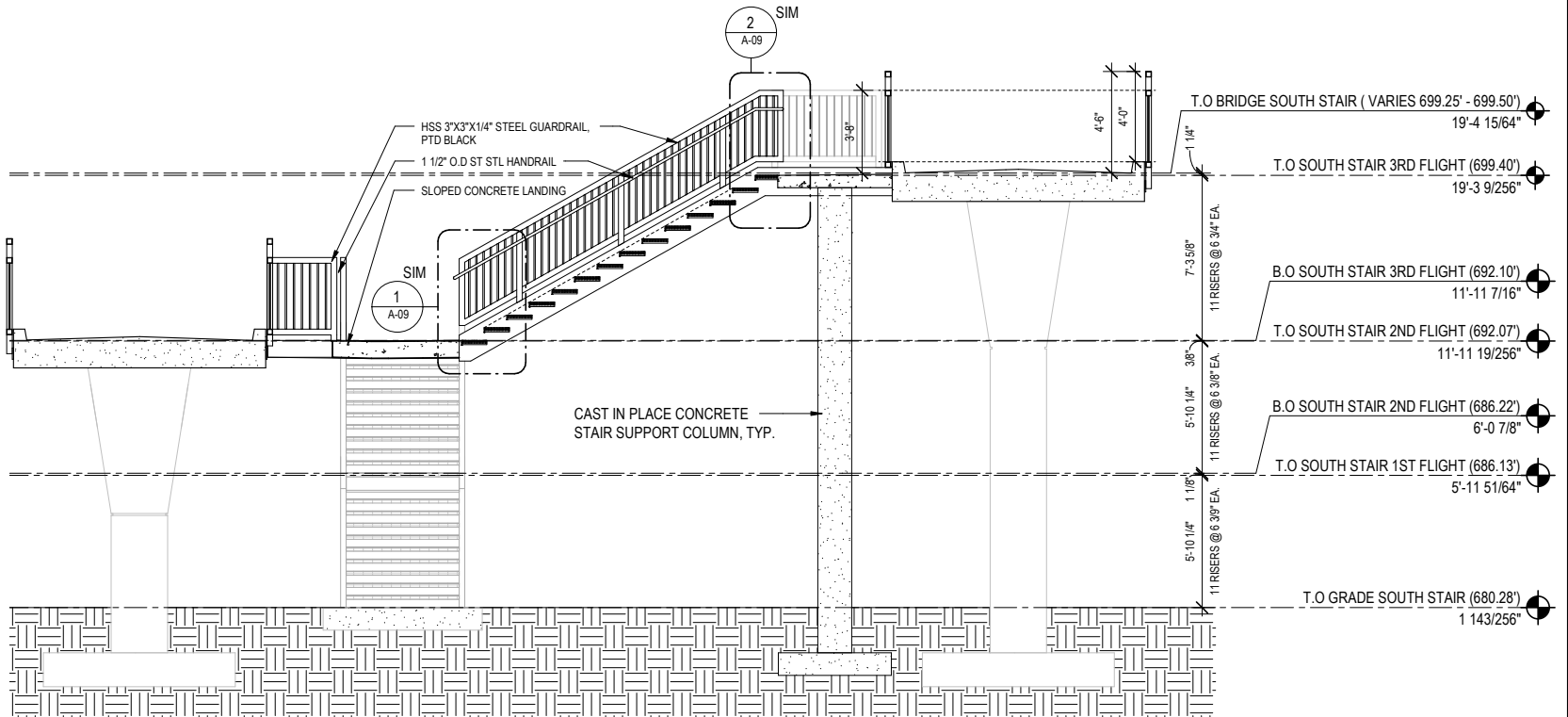
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	64
ILLINOIS FED. AID PROJECT			CONTRACT NO.	



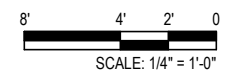
1 ENLARGED PLAN - SOUTH APPROACH BRIDGE STAIR
1/4" = 1'-0"



3 SECTION - SOUTH APPROACH BRIDGE STAIR EW
1/4" = 1'-0"



2 SECTION - SOUTH APPROACH BRIDGE STAIR N/S
1/4" = 1'-0"

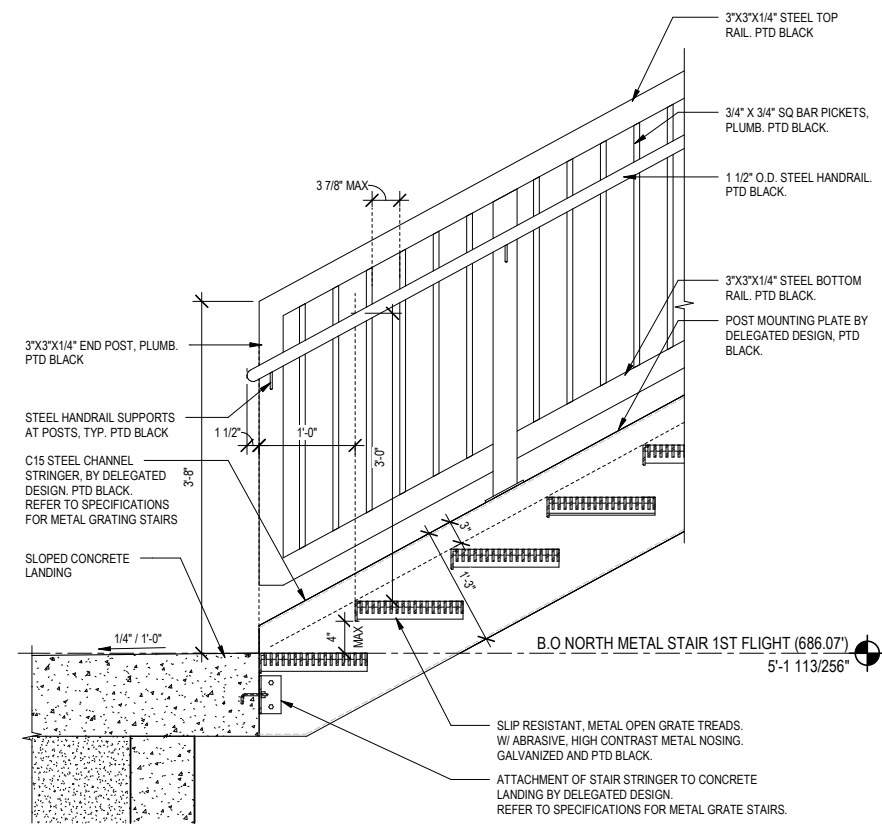


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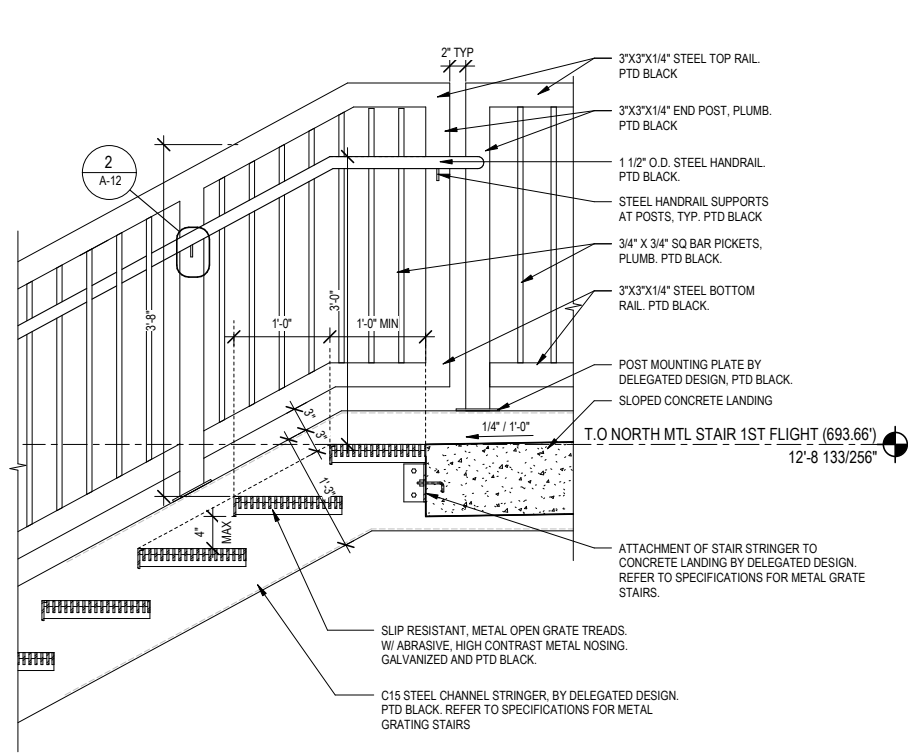
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SOUTH STAIR PLAN
MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
SCALE: SHEET A-08 OF A-14 SHEETS STA. TO STA.

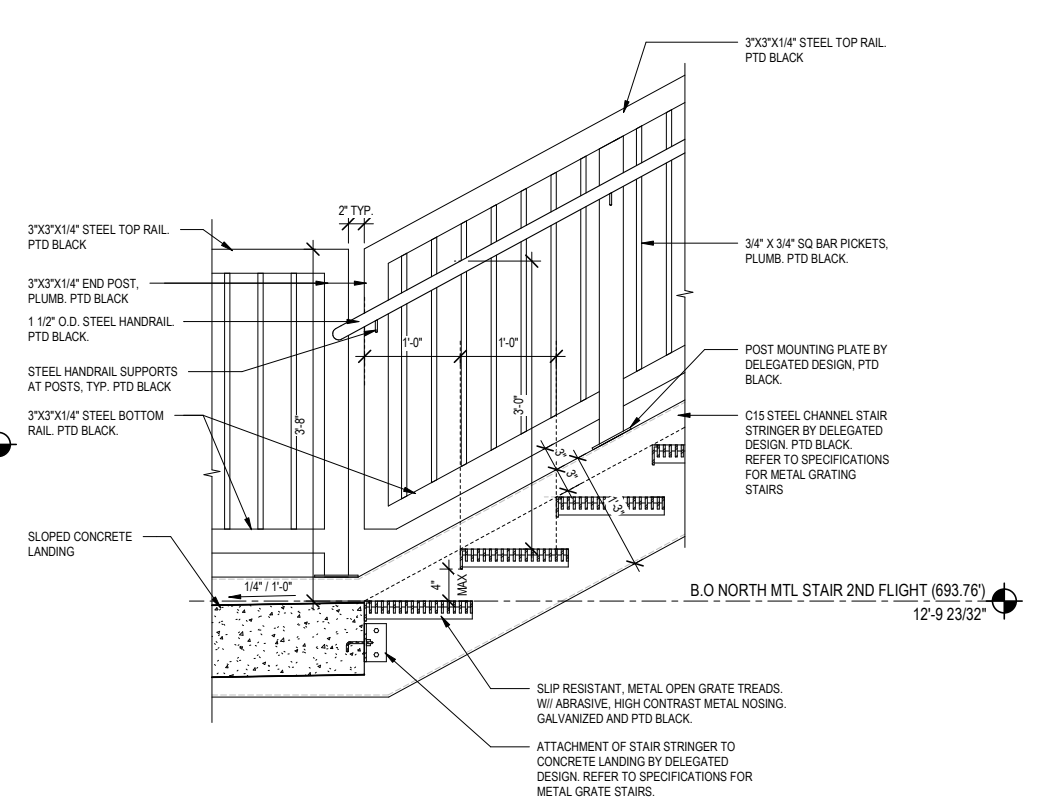
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	65
CONTRACT NO.				
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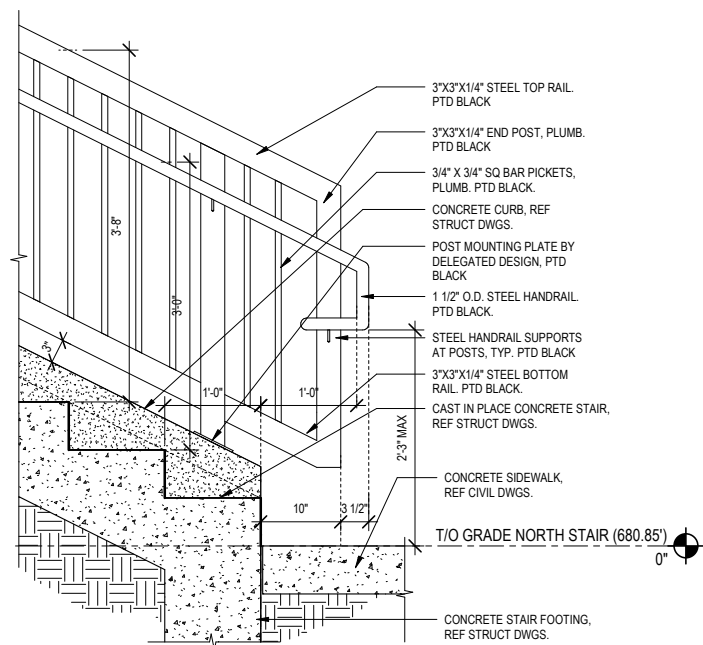
1 B.O NORTH STAIR AT BRIDGE LEVEL
1" = 1'-0"



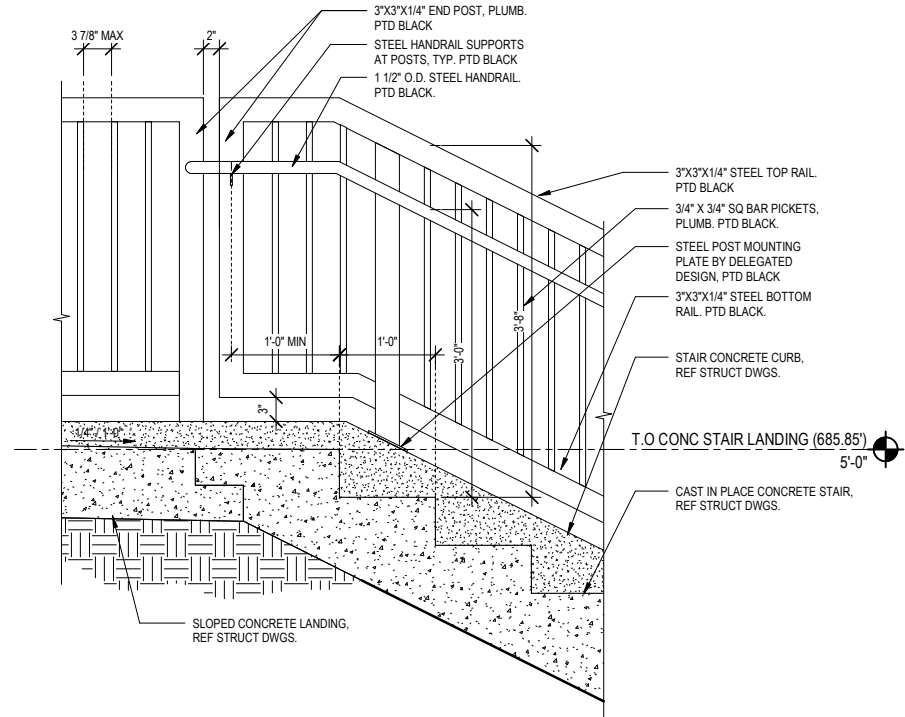
2 T.O NORTH STAIR AT INTERMEDIATE LANDING
1" = 1'-0"



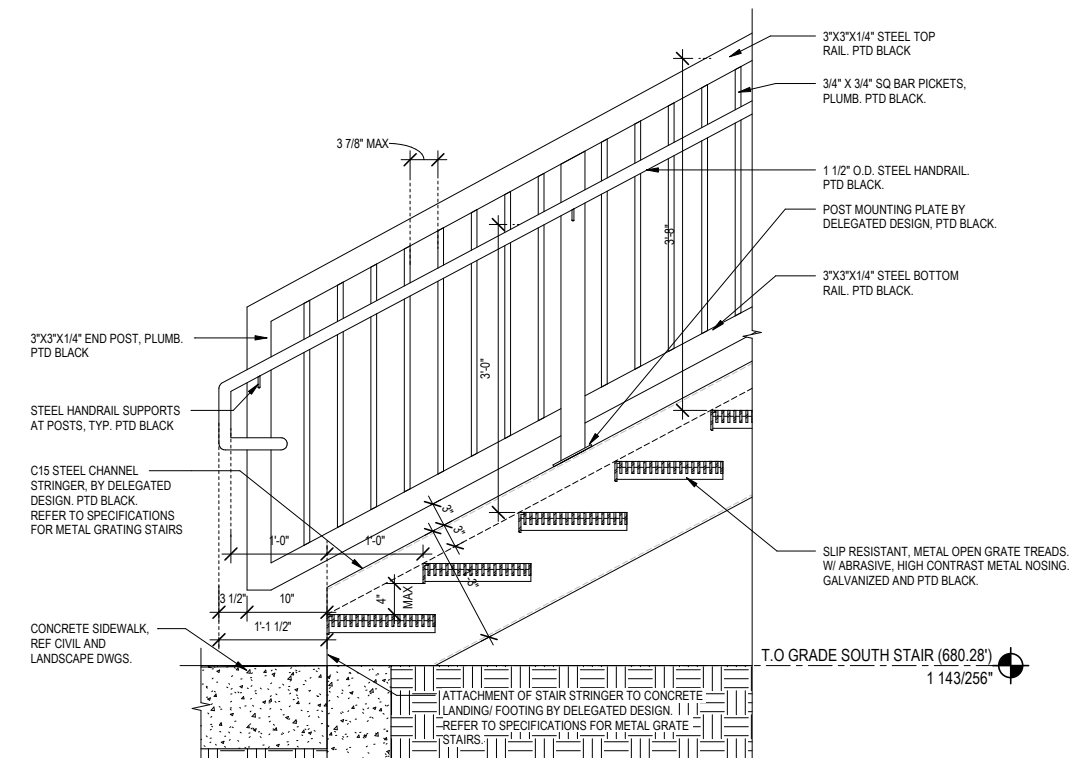
3 B.O NORTH STAIR AT INTERMEDIATE LANDING
1" = 1'-0"



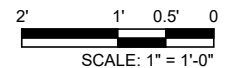
4 B.O NORTH CONCRETE STAIR AT GRADE
1" = 1'-0"



5 T.O NORTH CONCRETE STAIR AT BRIDGE LEVEL
1" = 1'-0"

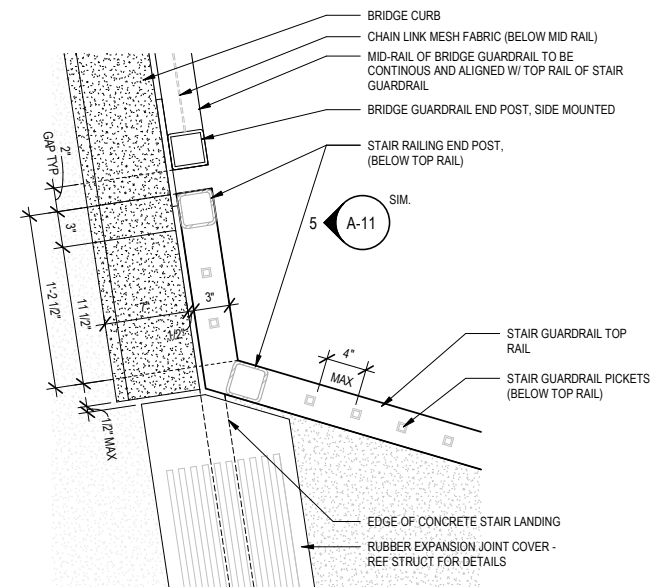


6 B.O SOUTH STAIR AT GRADE
1" = 1'-0"

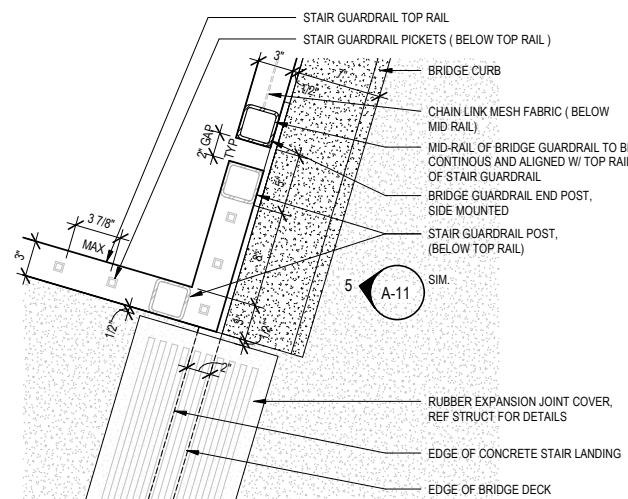


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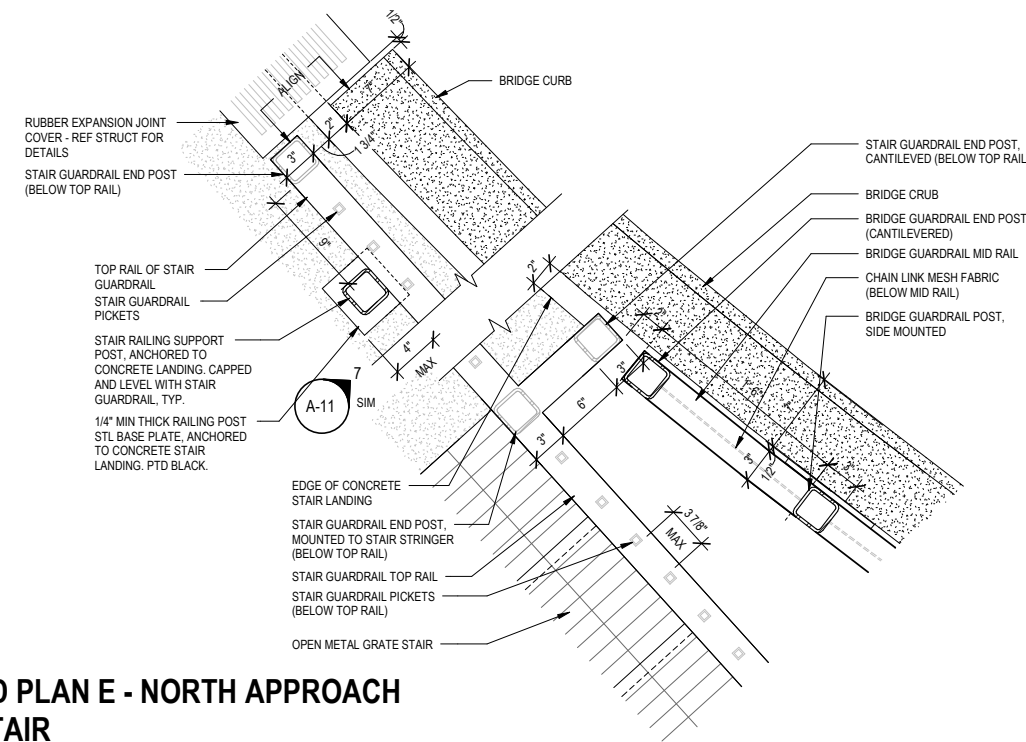
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	66
ILLINOIS FED. AID PROJECT			CONTRACT NO.	



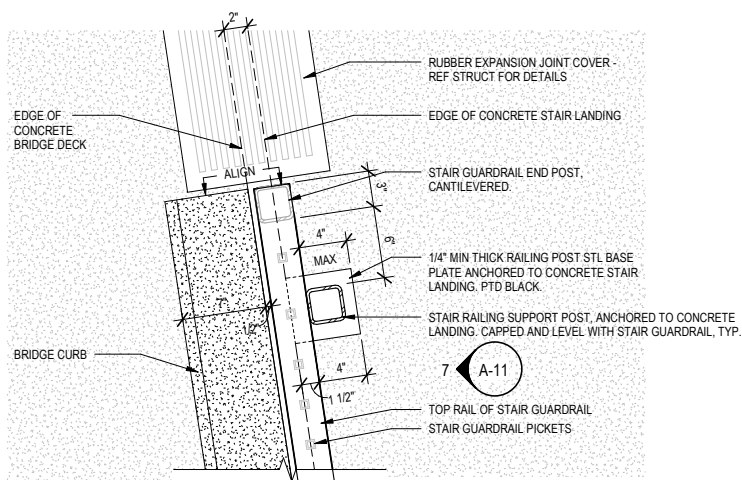
1 RAILING PLAN A - SOUTH STAIR TO BRIDGE
1 1/2" = 1'-0"



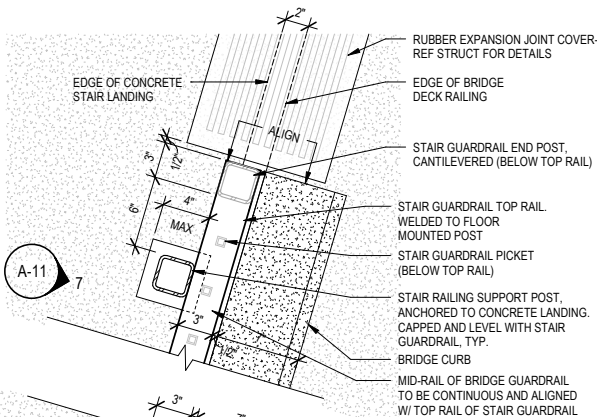
3 RAILING PLAN C - SOUTH STAIR TO BRIDGE
1 1/2" = 1'-0"



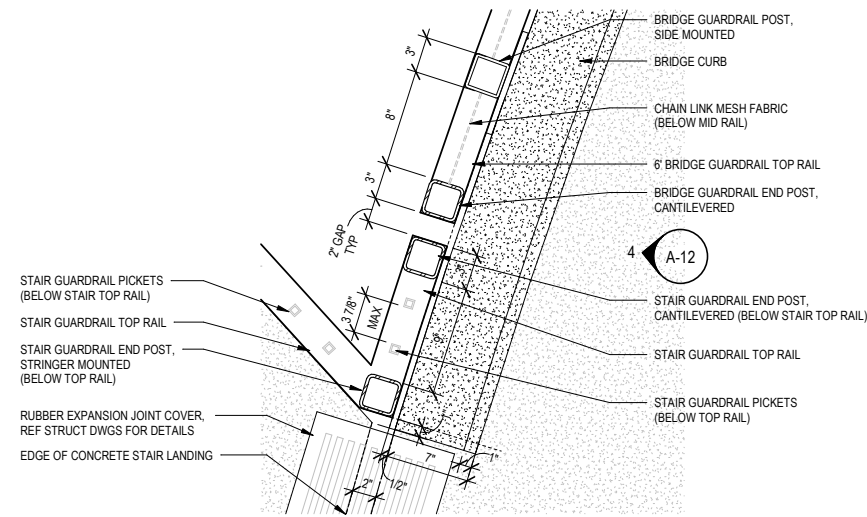
5 ENLARGED PLAN E - NORTH APPROACH BRIDGE STAIR
1 1/2" = 1'-0"



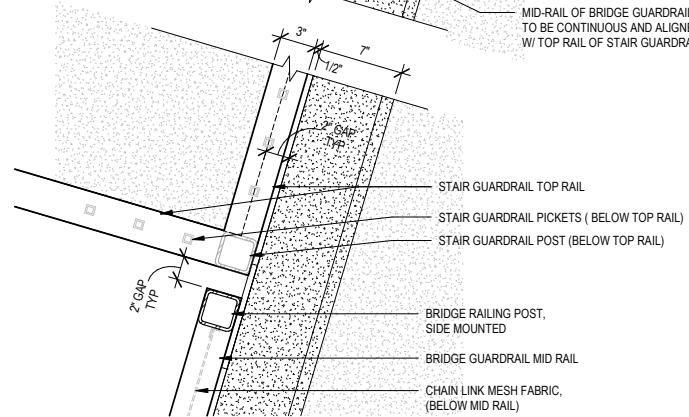
2 RAILING PLAN B - SOUTH STAIR TO BRIDGE
1 1/2" = 1'-0"



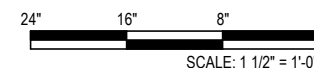
4 RAILING PLAN D - SOUTH STAIR TO BRIDGE
1 1/2" = 1'-0"



6 RAILING PLAN F - NORTH STAIR TO BRIDGE
1 1/2" = 1'-0"

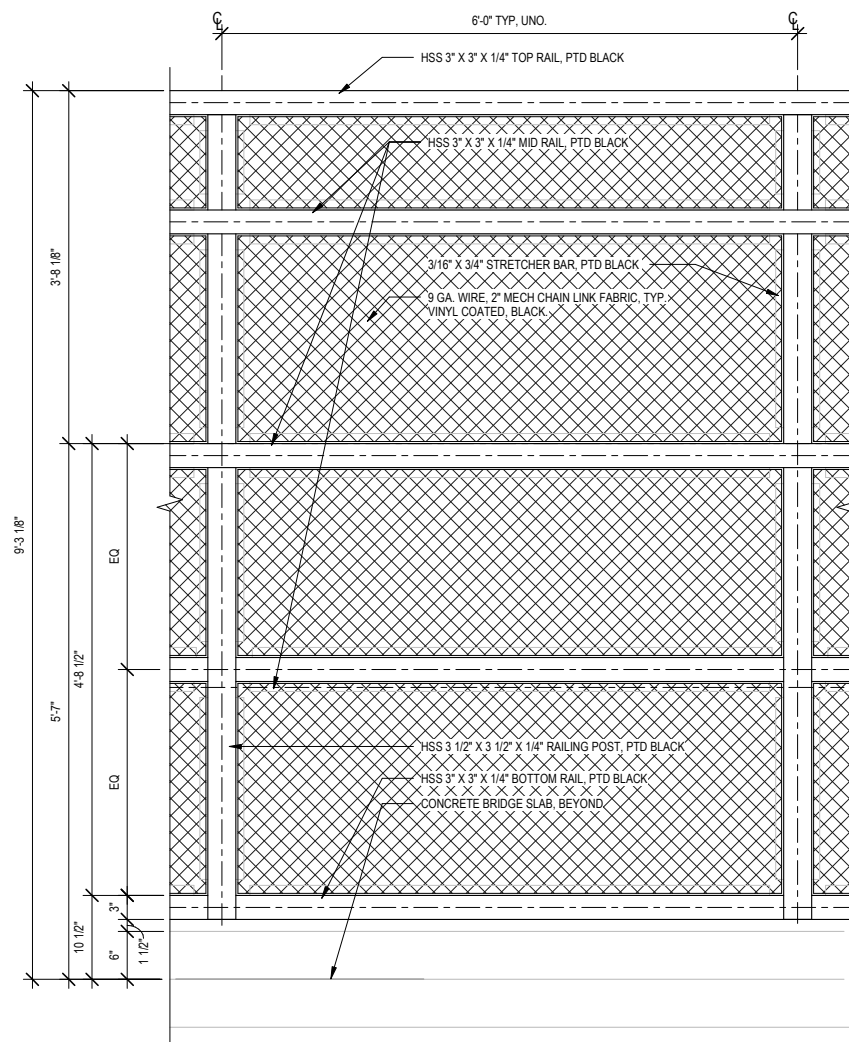


7 RAILING PLAN G - NORTH STAIR TO BRIDGE
1 1/2" = 1'-0"



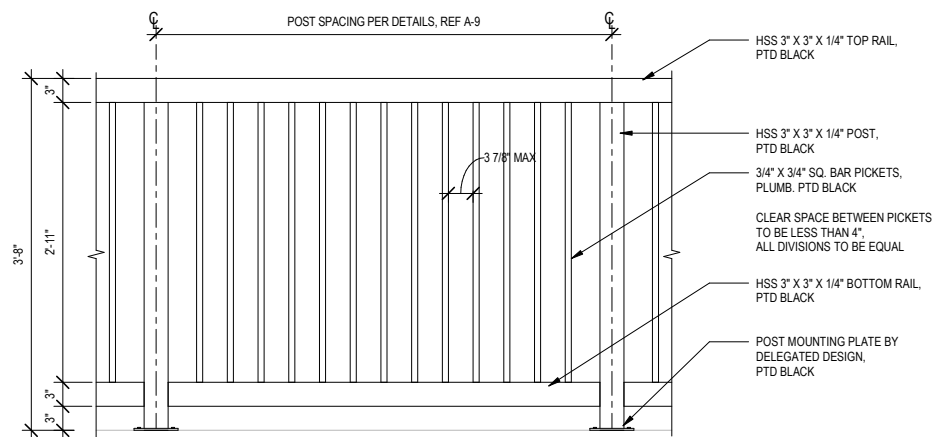
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PLOT SCALE =	DRAWN - MB	REVISED -
PLOT DATE =	CHECKED -	REVISED -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	67
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



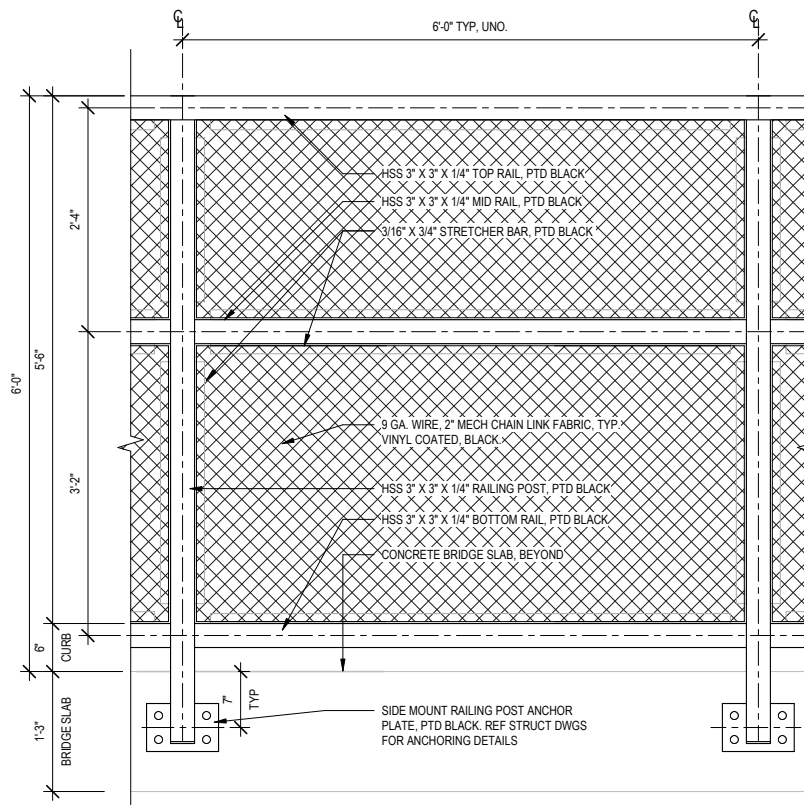
NOTE: REFER TO STRUCT DWGS FOR ALL ASSEMBLY AND ANCHORING DETAILS. ELEVATIONS PROVIDED FOR GEOMETRY AND FINISH ONLY.

1 ELEVATION - TYP. 9'-0" GUARDRAIL MODULE
1" = 1'-0"



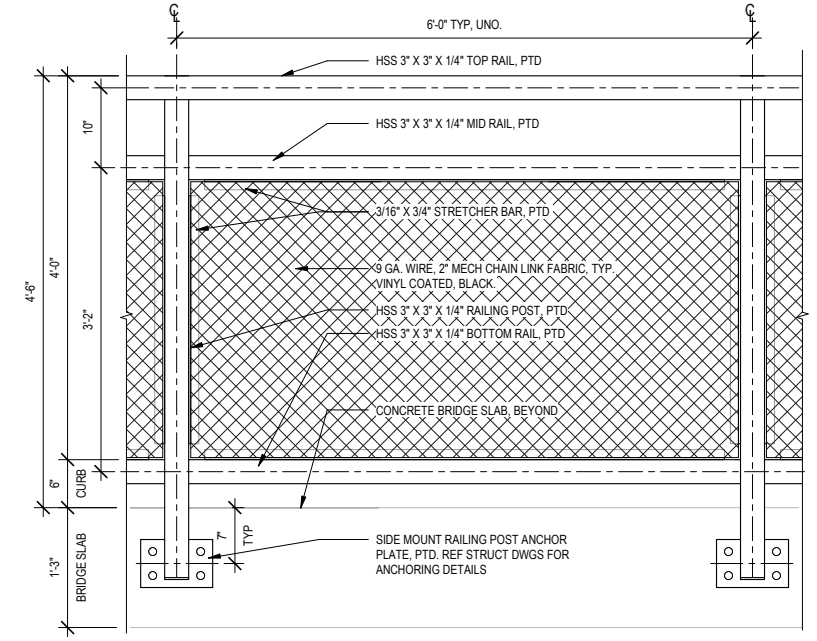
NOTE: ELEVATIONS PROVIDED FOR GEOMETRY AND FINISH ONLY. ASSEMBLY AND ANCHORING BY DELEGATED DESIGN, REFER TO SPECIFICATION FOR STAIR RAILINGS

4 ELEVATION - TYP. STAIR GUARDRAIL MODULE
1" = 1'-0"



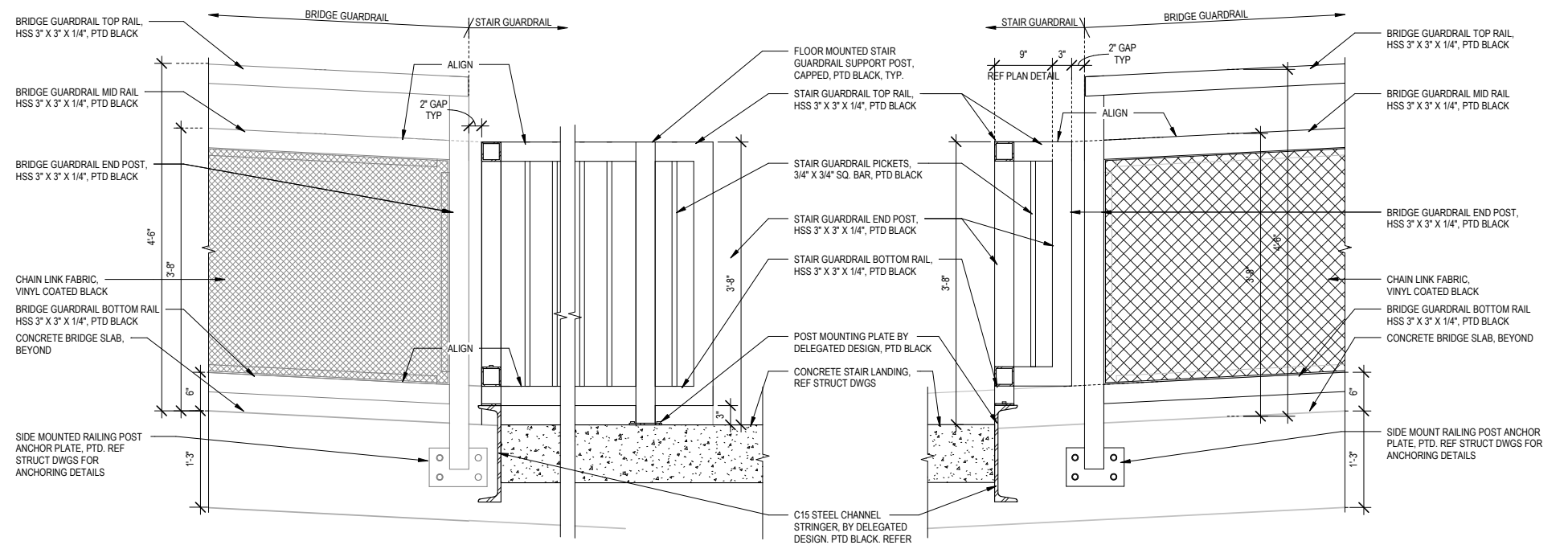
NOTE: REFER TO STRUCT DWGS FOR ALL ASSEMBLY AND ANCHORING DETAILS. ELEVATIONS PROVIDED FOR GEOMETRY AND FINISH ONLY.

2 ELEVATION - TYP. 6'-0" BRIDGE GUARDRAIL MODULE
1" = 1'-0"



NOTE: REFER TO STRUCT DWGS FOR ALL ASSEMBLY AND ANCHORING DETAILS. ELEVATIONS PROVIDED FOR GEOMETRY AND FINISH ONLY.

3 ELEVATION - TYP. 4'-6" BRIDGE GUARDRAIL MODULE
1" = 1'-0"

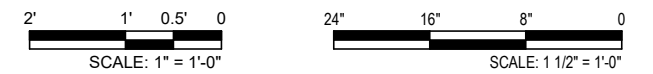


NOTE: ELEVATIONS PROVIDED FOR GEOMETRY AND FINISH ONLY. ASSEMBLY AND ANCHORING BY DELEGATED DESIGN, REFER TO SPECIFICATION FOR STAIR RAILINGS

5 ELEVATION - TYP. TRANSITION FROM STAIR TO BRIDGE GUARDRAIL
1" = 1'-0"

NOTE: ELEVATIONS PROVIDED FOR GEOMETRY AND FINISH ONLY. ASSEMBLY AND ANCHORING BY DELEGATED DESIGN, REFER TO SPECIFICATION FOR STAIR RAILINGS

7 ELEVATION - TRANSITION FROM STAIR TO BRIDGE GUARDRAIL W/ FLOOR POST
1" = 1'-0"



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PLOT SCALE =	DRAWN - MB	REVISED -
PLOT DATE =	CHECKED -	REVISED -

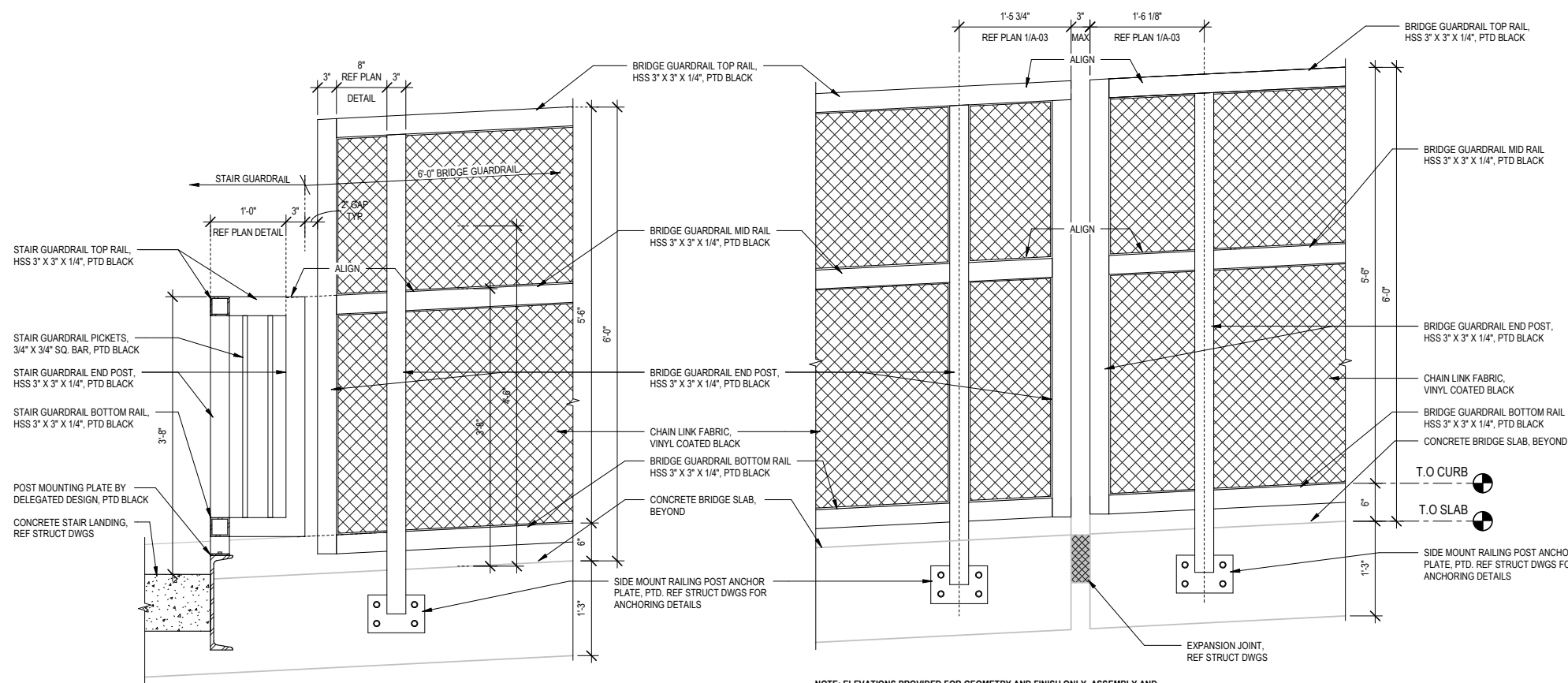
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RAILING DETAILS

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR

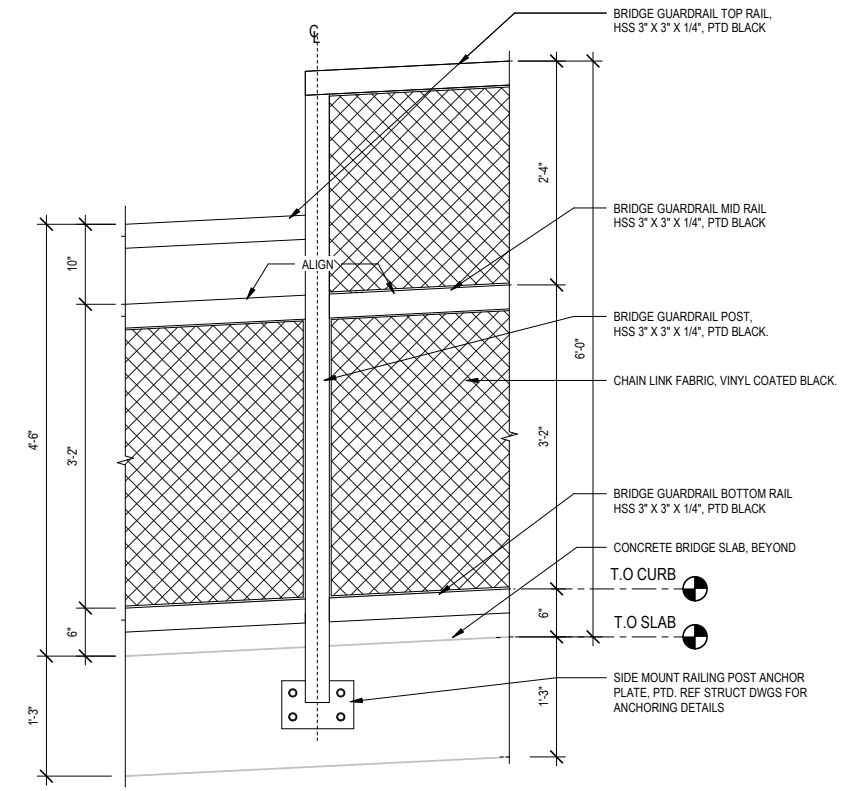
SCALE: SHEET A-11 OF A-14 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	68
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



NOTE: ELEVATIONS PROVIDED FOR GEOMETRY AND FINISH ONLY. ASSEMBLY AND ANCHORING BY DELEGATED DESIGN, REFER TO SPECIFICATION FOR STAIR RAILINGS

NOTE: ELEVATIONS PROVIDED FOR GEOMETRY AND FINISH ONLY. ASSEMBLY AND ANCHORING BY DELEGATED DESIGN, REFER TO SPECIFICATION FOR STAIR RAILINGS

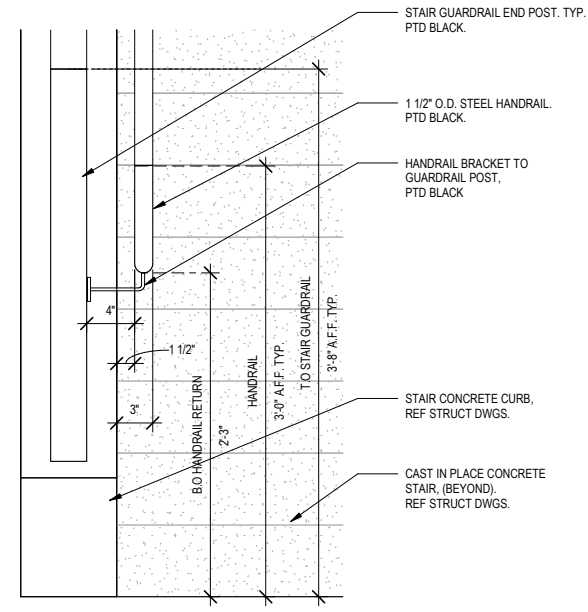


NOTE: ELEVATIONS PROVIDED FOR GEOMETRY AND FINISH ONLY. ASSEMBLY AND ANCHORING BY DELEGATED DESIGN, REFER TO SPECIFICATION FOR STAIR RAILINGS

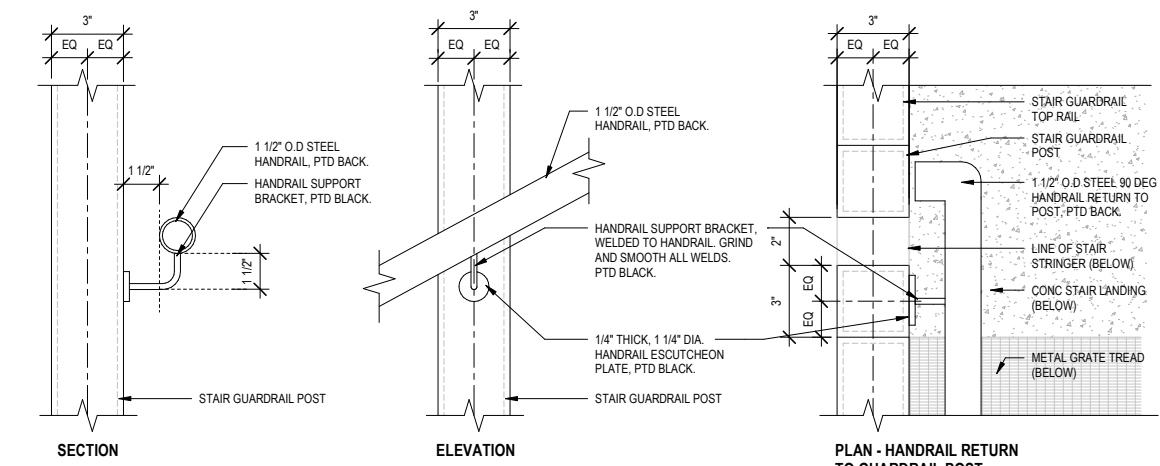
4 ELEVATION - TYP. GUARDRAIL TRANSITION FROM STAIR TO BRIDGE 6'-0" GUARDRAIL
1" = 1'-0"

5 ELEVATION - TYP. GUARDRAIL TRANSITION AT EXPANSION JOINTS
1" = 1'-0"

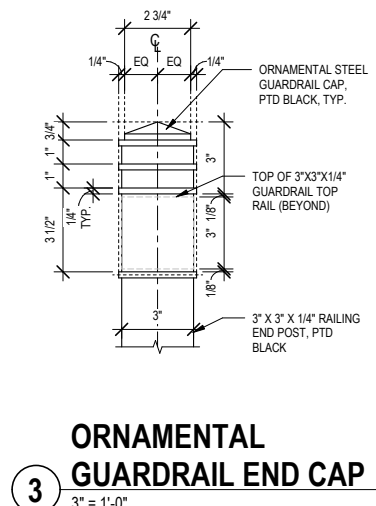
6 ELEVATION - TYP. GUARDRAIL TRANSITION B/W RAIL TYPE R6 & R4
1" = 1'-0"



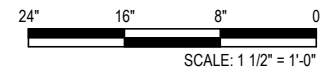
1 TYP. HANDRAIL ATTACHMENT AT NORTH CONCRETE STAIR
1 1/2" = 1'-0"



2 TYP. HANDRAIL ATTACHMENT
3" = 1'-0"

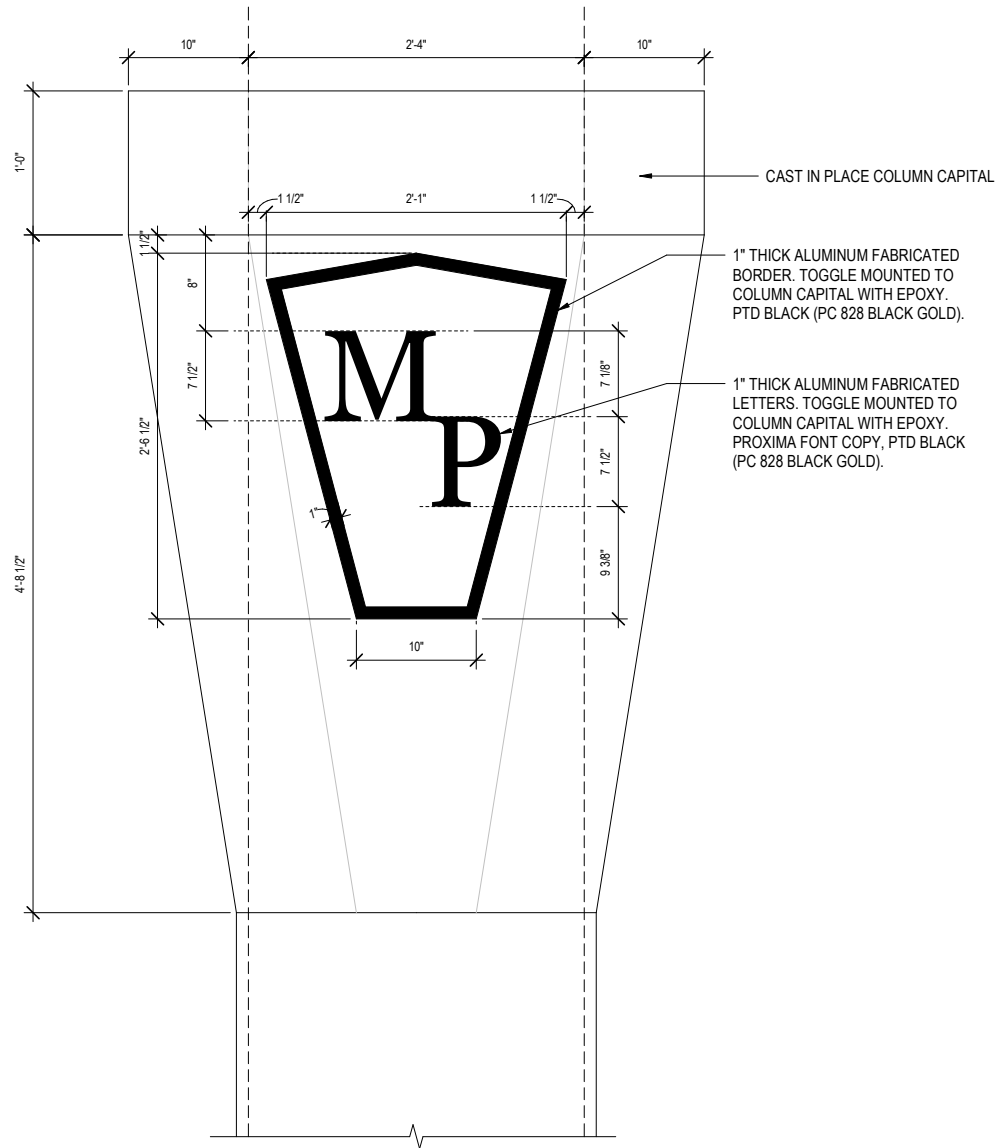


3 ORNAMENTAL GUARDRAIL END CAP
3" = 1'-0"

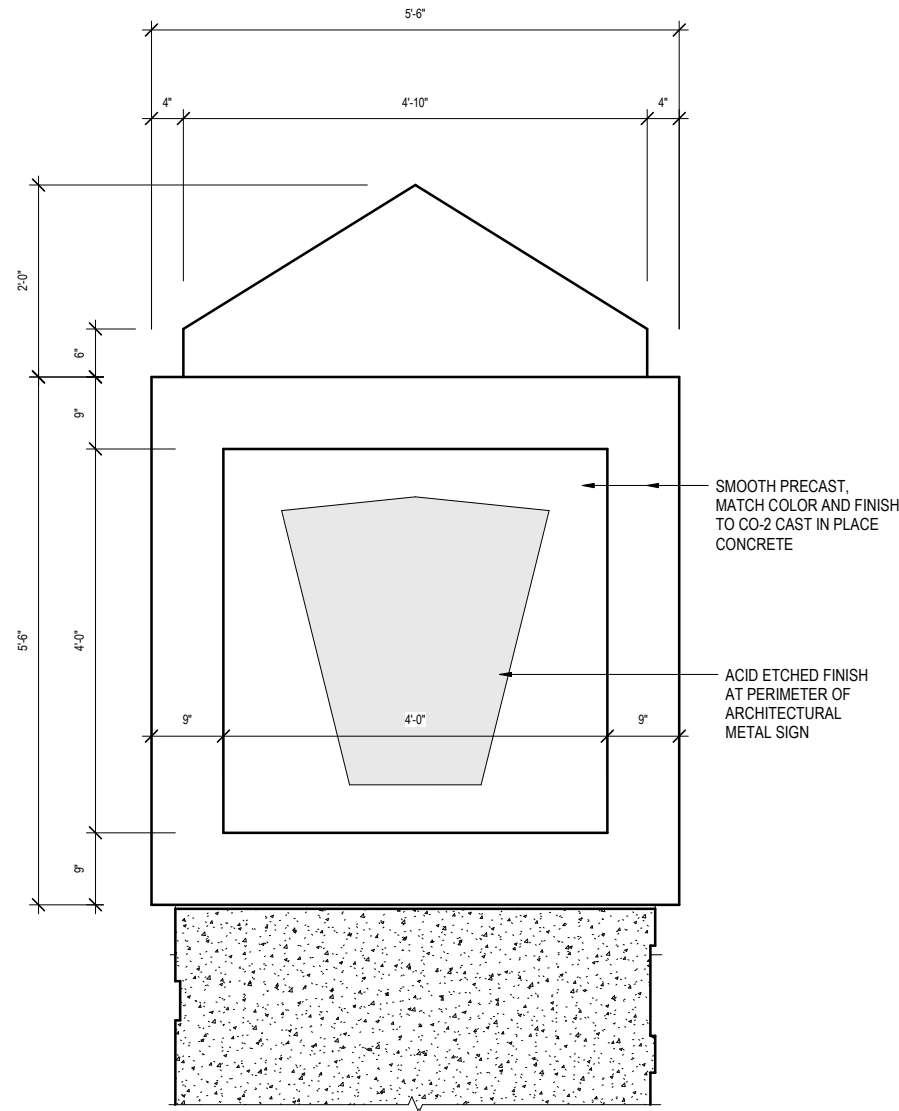


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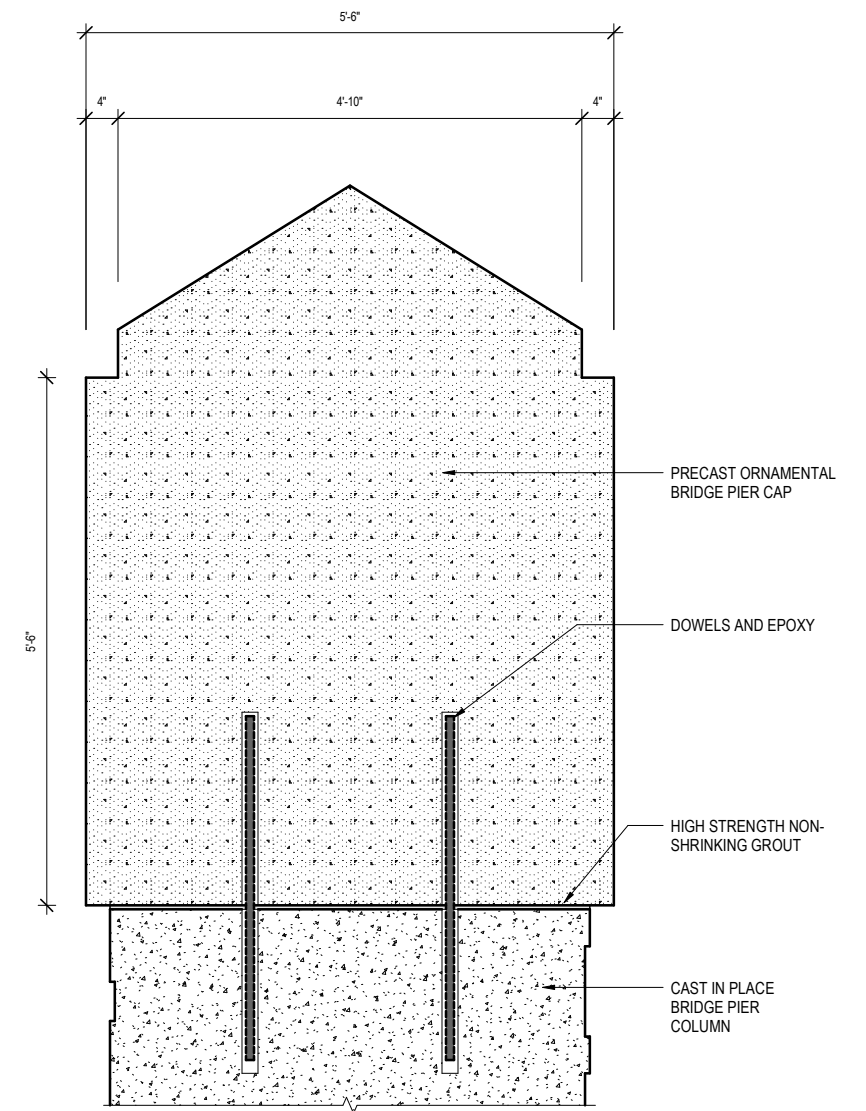
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3512	21-00174-00-BR	COOK	154	69
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



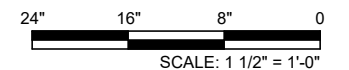
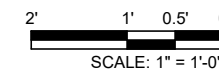
1 ELEVATION - COLUMN CAPITAL SIGN
1 1/2" = 1'-0"



2 ELEVATION - ORNAMENTAL PRECAST CAP
1" = 1'-0"



3 SECTION - ORNAMENTAL PRECAST CAP
1" = 1'-0"



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1 312.432.4180
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PLOT DATE =	CHECKED -	REVISED -

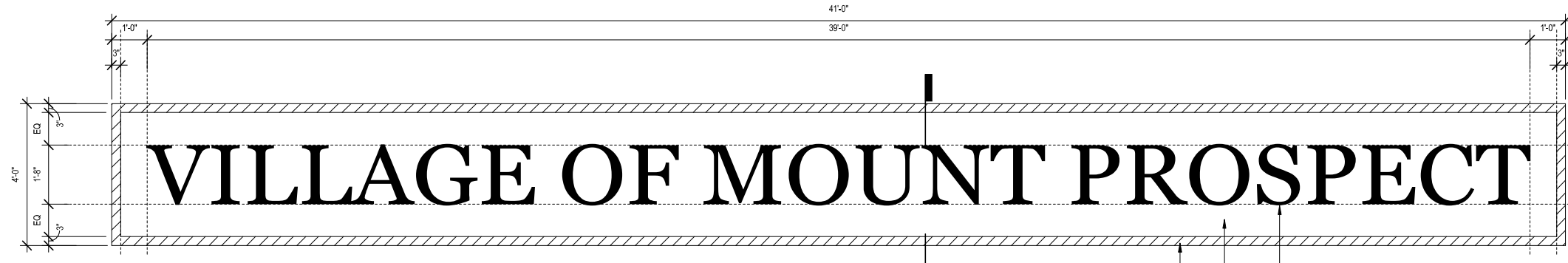
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

COLUMN DETAILS

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR

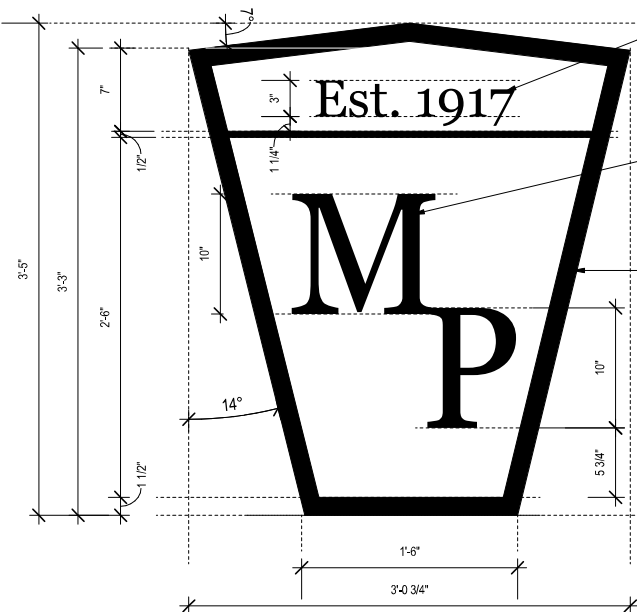
SCALE: SHEET A-13 OF A-14 SHEETS STA. TO STA.

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



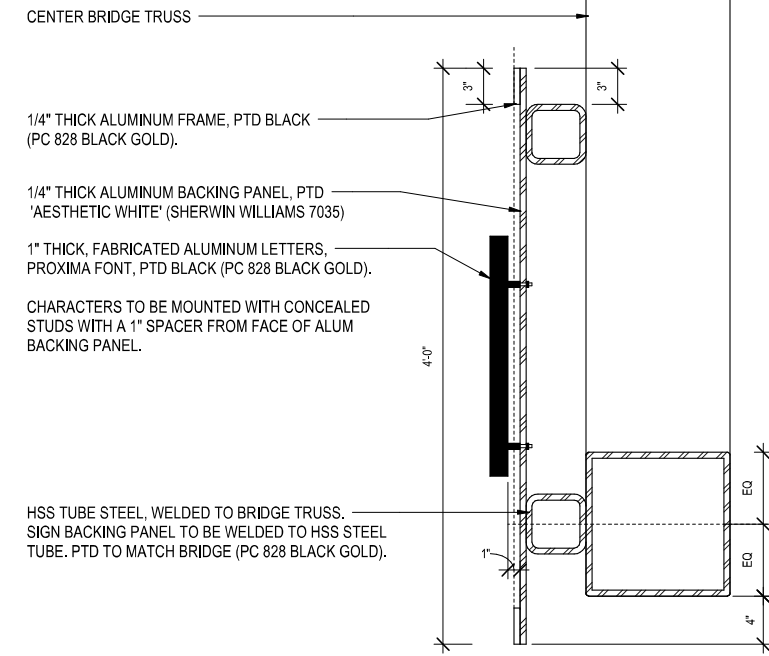
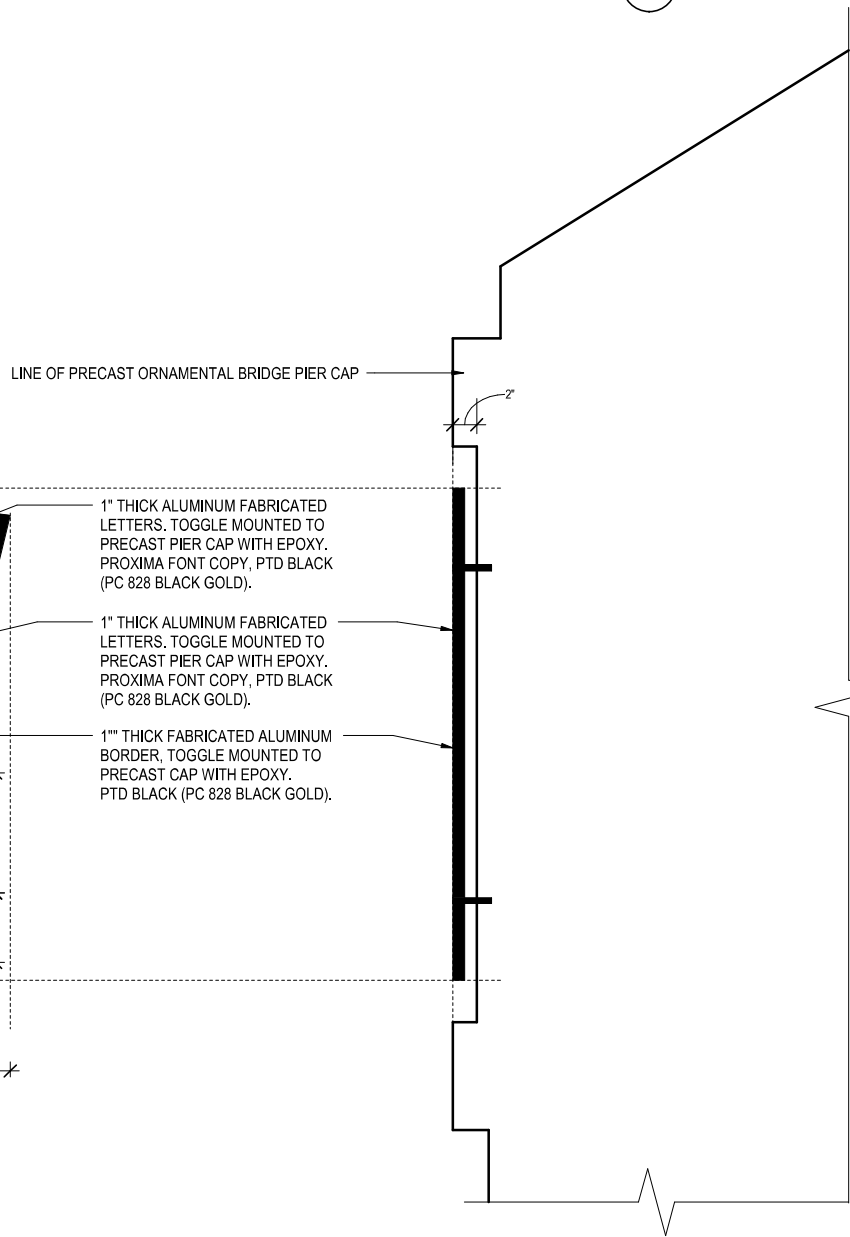
- 1" THICK ALUMINUM FABRICATED LETTERS, TOGGLE MOUNTED TO ALUMINUM BACKING PANEL. PROXIMA FONT COPY, PTD BLACK (PC 828 BLACK GOLD) MANUAL KERNING MAY BE REQUIRED.
- 1/4" THICK ALUMINUM PANEL, PTD 'AESTHETIC WHITE' (SW 7035)
- 1/4" THICK ALUMINUM FRAME, PTD BLACK (PC 828 BLACK GOLD)

1 SIGNAGE - MAIN BRIDGE SPAN SIGN
1/2" = 1'-0"

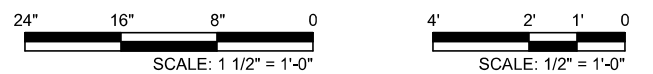


- 1" THICK ALUMINUM FABRICATED LETTERS, TOGGLE MOUNTED TO PRECAST PIER CAP WITH EPOXY. PROXIMA FONT COPY, PTD BLACK (PC 828 BLACK GOLD).
- 1" THICK ALUMINUM FABRICATED LETTERS, TOGGLE MOUNTED TO PRECAST PIER CAP WITH EPOXY. PROXIMA FONT COPY, PTD BLACK (PC 828 BLACK GOLD).
- 1" THICK FABRICATED ALUMINUM BORDER, TOGGLE MOUNTED TO PRECAST CAP WITH EPOXY. PTD BLACK (PC 828 BLACK GOLD).

3 SIGNAGE - MOUNT PROSPECT LOGO
1 1/2" = 1'-0"



2 SECTION - MAIN BRIDGE SPAN SIGN
1 1/2" = 1'-0"



USER NAME =	DESIGNED - DS	REVISED -
	CHECKED - KS	REVISED -
PLOT SCALE =	DRAWN - MB	REVISED -
PLOT DATE =	CHECKED -	REVISED -

SIGNAGE DETAILS			
MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR			
SCALE:	SHEET A-14 OF A-14 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	71
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

BENCHMARK

MWRD monument approximately 40' north of proposed pier 11. Elev. 678.040

EXISTING STRUCTURE

None.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition
2009 AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges, 2nd Edition, with 2015 Interim Revisions

DESIGN STRESSES

FIELD UNITS
 $f_c = 4,000$ psi (Superstructure)
 $f_c = 3,500$ psi (Substructure)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Gr. 50)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.058g
 Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.107g
 Soil Site Class = C

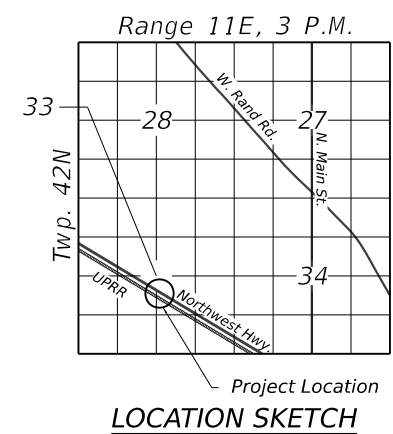
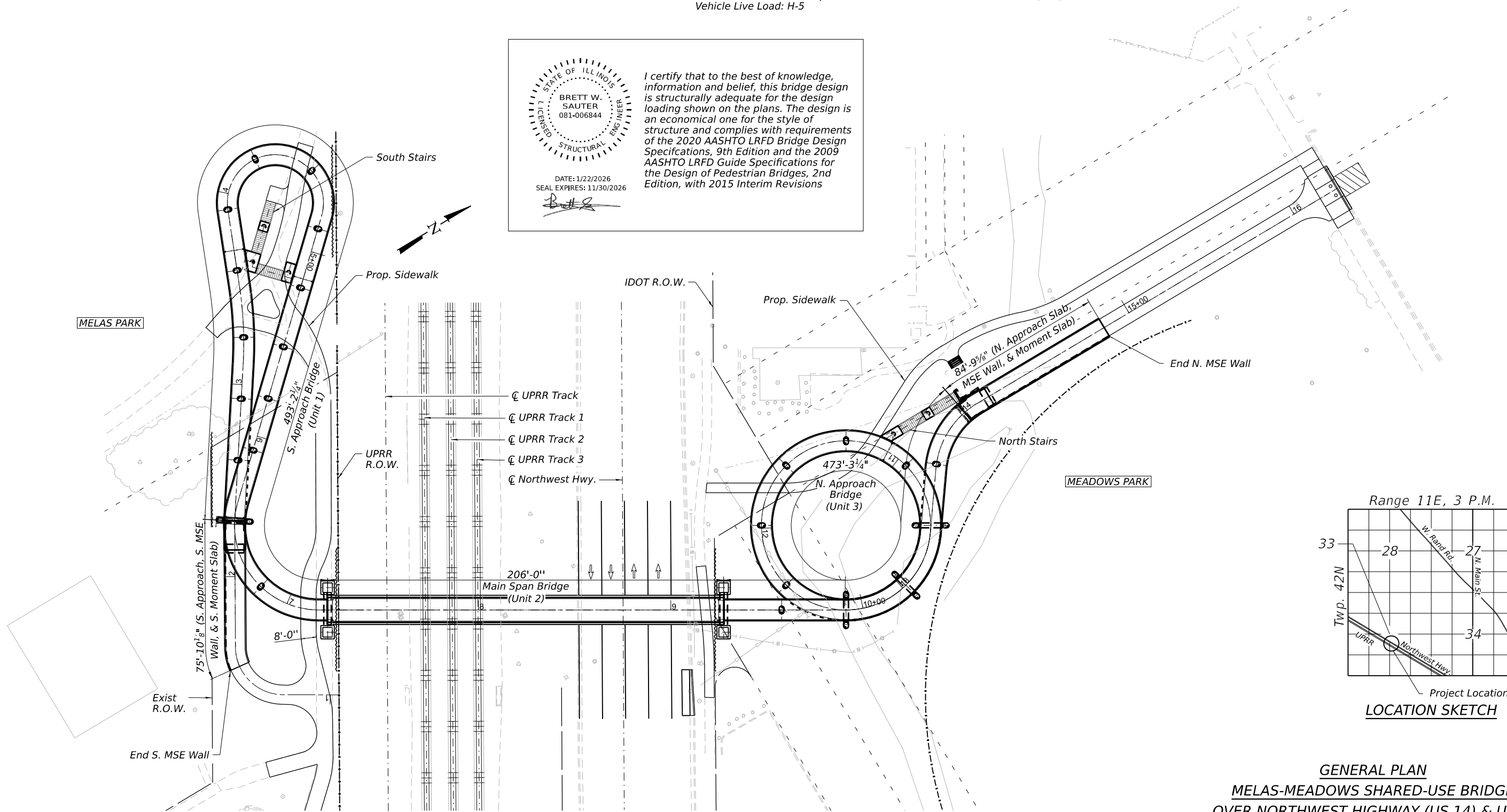
DESIGN LOADING

Pedestrian Live Load: 90 psf
 Vehicle Live Load: H-5

NOTES

- No freefall deck drains are allowed over any portion of the UPRR ROW or within 10ft. of cross arms of a railroad pole line. Discharge shall be directed toward a UPRR ditch or property.
- Dimensions given \perp and \parallel to ϕ Bridge U.N.O.

I certify that to the best of knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the 2020 AASHTO LRFD Bridge Design Specifications, 9th Edition and the 2009 AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges, 2nd Edition, with 2015 Interim Revisions



GENERAL PLAN

GENERAL PLAN
MELAS-MEADOWS SHARED-USE BRIDGE
OVER NORTHWEST HIGHWAY (US 14) & UPRR
SEC. 21-00174-00-BR
COOK COUNTY
STATION 8+24.48
STRUCTURE NO. 016-7542

MODEL: \$MODELNAME\$ FILE NAME: pw://ciorba-pw-bentley.com/ciorba-pw-01/Documents/Projects/IL_Municipalities/Mount Prospect/0021717.01/CADD_Data/Structural/0021717.01-XXXXX-01-GP.dgn



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PLOT DATE =	CHECKED - APD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 5-1 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	72
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

- All new structural steel shall be AASHTO M270 Grade 50.
- Reinforcement bars designated (E) shall be epoxy coated.
- Reinforcement bars shall conform to the requirements ASTM A 706 Gr. 60.
- Slab pour for Unit 2 and slab pour for Unit 3 shall be continuous without the use of transverse construction joints. Slab pour for Unit 1 shall follow the pour sequence shown on Sheet S-22. If the Contractor chooses to deviate from this, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

 - Unit 1 - S. Approach Bridge
 - Unit 2 - Main Span Bridge
 - Unit 3 - N. Approach Bridge
- The Contractor shall make allowance for the deflection of forms, shrinkage, and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.
- Truss Span section details and unfactored Truss Reaction Table shown in these plans are for reference only. Pedestrian truss superstructure manufacturer is responsible for truss superstructure details and design loads to the substructure.
- Truss manufacturer shall provide the reinforced concrete deck design and submit shop drawings for review. Concrete deck to utilize stay-in-place galvanized forms. Reinforcement shall be epoxy coated. Contractor shall place the concrete deck after truss is set. Cost of reinforced concrete deck and associated design and submittals are included with Pedestrian Truss Superstructure.
- All temporary support systems, cribbing, crane platforms, and other temporary works necessary for the erection the superstructure shall be included with the cost of Pedestrian Truss Superstructure. Shop drawings or working drawings for all temporary works shall be submitted to the Engineer for approval.
- Truss manufacturer shall camber the truss as necessary to provide allowance for dead load deflection.
- Bearing seat elevations are subject to revision based on the approved Pedestrian Truss Superstructure shop drawings. Contractor shall verify all dimensions and elevations against final shop drawings.
- The substructure is designed per the 2020 AASHTO LRFD Bridge Design Specifications, 9th Edition and the 2009 AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges, 2nd Edition, with 2015 Interim Revisions, and is based on the assumed unfactored truss reactions shown in the Truss Reaction Table on this sheet. If the manufacturer's design exceeds those loads and/or the substructure needs to be adjusted to accommodate the truss superstructure chosen, then the Contractor shall submit the redesign to the Engineer for review and approval prior to ordering any material or starting construction. All design calculations, shop drawings, and redesigned substructure drawings shall be sealed by a Structural Engineer licensed in the State of Illinois and shall be the responsibility of the Contractor.
- Concrete Sealer shall be applied above finished grade to pier columns, pier caps, abutments, wingwalls, MSE walls, and outside vertical exposed faces of Approach Slabs and Moment Slabs. The Concrete Sealer shall be a "film forming" type for horizontal surfaces.
- Protective Coat shall be applied to top of slab, top of curb, and inside face of curb (Approach Bridges, Approach Slabs, Moment Slabs, Concrete Stair Landings, and Concrete Stairs) and paid for as the Protective Coat pay item.
- Protective Coat shall be applied to top of deck, top of curb, and inside face of curb of Main Span Bridge with cost included in Pedestrian Truss Superstructure pay item.
- Staining shall be applied above finished grade to pier columns, pier caps, abutments, and wingwalls, and paid for as the Staining Concrete Structures pay item.
- Staining shall be applied to the outside vertical exposed faces of Approach Slabs and Moment Slabs and paid for as the Staining Concrete Structures pay item.
- Staining shall be applied to the underside and outside vertical exposed faces of Approach Bridges and paid for as the Staining Concrete Structures pay item.
- Staining shall be applied to MSE wall panels with cost included in Mechanically Stabilized Earth Retaining Wall (Special).
- Staining shall be applied to the underside of concrete stair landings and paid for as the Staining Concrete Structures pay item.

INDEX OF SHEETS

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- S-2 General Notes & Index of Sheets
- S-3 General Plan & Elevation South Approach Bridge
- S-4 General Plan & Elevation Main Span Bridge
- S-5 General Plan & Elevation North Approach Bridge
- S-6 General Data 1
- S-7 General Data 2
- S-8 Foundation Layout - South Approach Bridge
- S-9 Foundation Layout - Main Span Bridge
- S-10 Foundation Layout - North Approach Bridge
- S-11 Top of Slab Elevations 1
- S-12 Top of Slab Elevations 2
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- S-14 Top of Slab Elevations 4
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- S-16 Top of Slab Elevations 6
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- S-44 South Abutment & Pier 13 Details 2
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- S-46 Pier Details 1
- S-47 Pier Details 2
- S-48 Pier Details 3
- S-49 Pier Details 4
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- S-54 South Stairs Details 1
- S-55 South Stairs Details 2
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- S-66 Boring Logs 4
- S-67 Boring Logs 5
- S-68 Boring Logs 6

TRUSS REACTION TABLE

LOAD (+Downward load, -Upward load)	P (LBS)	H (LBS)	L (LBS)
* Dead Load	93,700	-	-
Pedestrian Load	54,091	-	-
Vehicle Load	6,100	-	-
Wind Uplift 20PSF	-19,500 -7,300	-	-
Wind	±19,300	42,000	-
Thermal	-	-	13,200

*Includes weight of concrete
 Bridge reactions shown in table are unfactored.
 "P" - Vertical load each base plate (4 per bridge)
 "H" - Horizontal load each footing (2 per bridge)
 "L" - Longitudinal load each base plate (4 per bridge)
 Bridge lifting weight: 171,000 lbs (without concrete deck)
 Bridge lifting weight: 374,800 lbs (with concrete deck)

RAILROAD NOTES

- The proposed project shall not increase the quantity and/or characteristics of the flow in the Railroad's ditches and/or drainage structures.
- 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.
- The Contractor must submit a proposed method of erosion and sediment control and have the method approved by the Railroad
- All shoring systems that impact the Railroad's operations and/or supports the Railroad's embankment shall be designed and constructed per current Railroad Guidelines for Temporary Shoring. The method of shoring permissible is dependent upon the availability of track windows, if any.
- Erection over the Railroad's right-of-way shall be designed to cause no interruption to the Railroad's operation, enabling the track(s) to remain open to traffic per the Railroad's requirements. The method of erection permissible is dependent upon the availability of track windows, if any.
- Railroad requirements do not allow work within 50 feet of track centerline when a train passes the work site and all personnel must clear the area within 25 feet of the track centerline and secure all equipment.
- False-work clearances shall comply with the Railroad Minimum Construction Clearances.
- All permanent clearances shall be verified before project closing. All discrepancies shall be brought to the attention of the Railroad.
- Call Before You Dig. Prior to excavation, disrupting, or working on the Railroad property the contractor shall locate and protect UPRR facilities by calling the UPRR "Call Before You Dig" (CBYD) phone number: 1-800-336-9193.

NOTICE: All construction submittals shall be reviewed and approved by the Agency prior to the submitting to the Railroad for review and approval. Review times for construction submittals are detailed within Table 3-1 of the current UPRR Guidelines of Railroad Grade Separation Projects.

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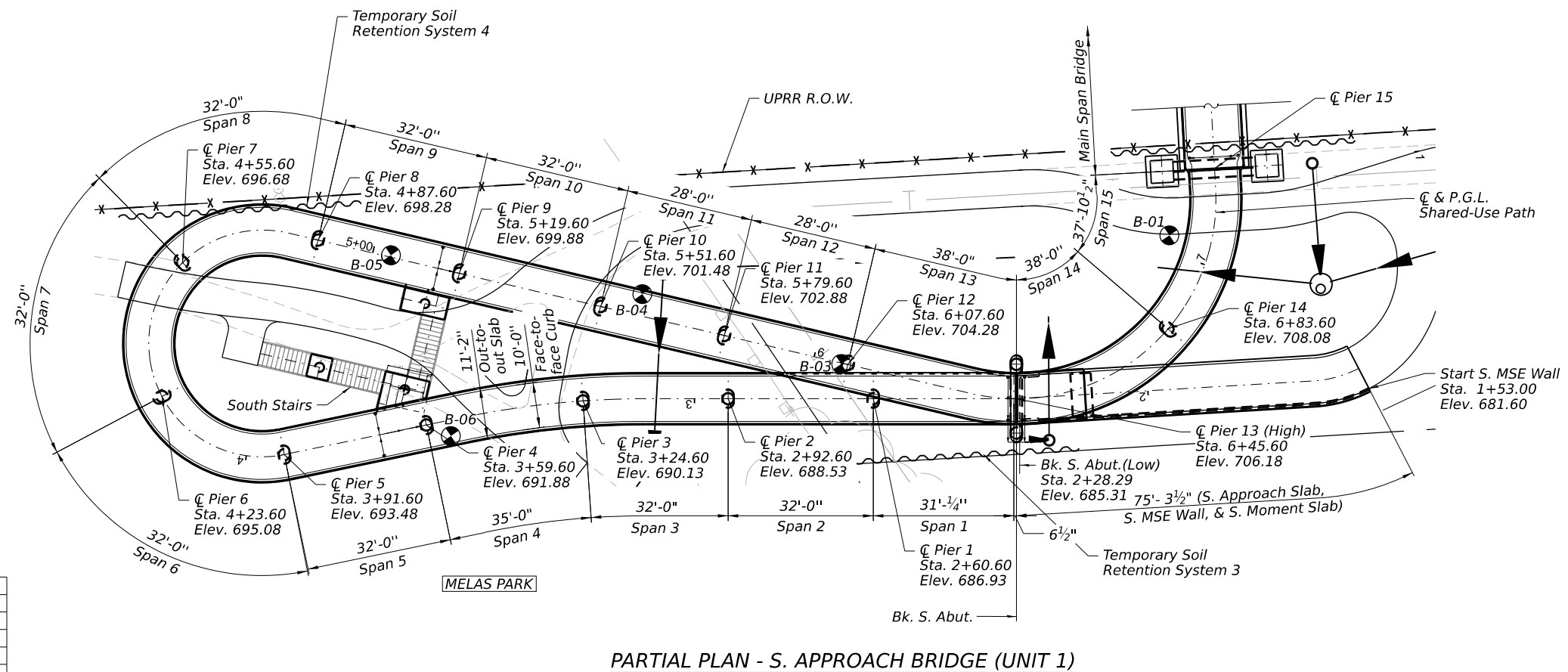
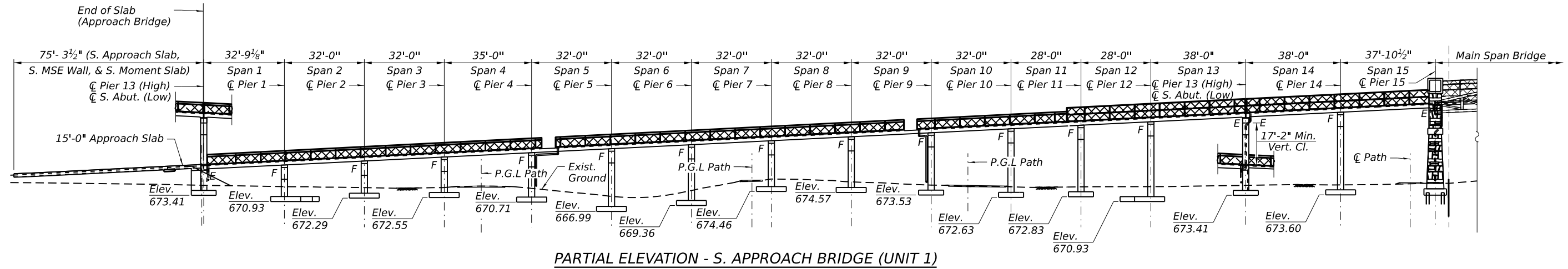
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PLOT DATE =	CHECKED - APD	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES & INDEX OF SHEETS
 STRUCTURE NO. 016-7542**

SHEET 5-2 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	73
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		



LEGEND:

- Exist. Aerial Cable ——— A ———
- Exist. Storm Sewer ———>>>
- Exist. Sanitary Sewer ———>>>
- Exist. Tree (Symbol)
- Exist. Stump (Symbol)
- Exist. Manhole (Symbol)
- Exist. Light Pole (Symbol)
- Exist. Power Pole / Service (Symbol)
- Exist. Fence — x — x —
- Prop. Fence — x — x —
- Soil Boring (Symbol)

FLOOR DRAIN TABLE

ID	Station	Offset
1	2+30.87	4.75' (Rt.)
2	2+30.87	4.75' (Lt.)
3	3+70.09	4.75' (Rt.)
4	3+70.09	4.75' (Lt.)
5	5+14.80	4.75' (Rt.)
6	5+14.80	4.75' (Lt.)
7	6+47.43	4.75' (Rt.)
8	6+47.43	4.75' (Lt.)

See Sheet S-22 for details

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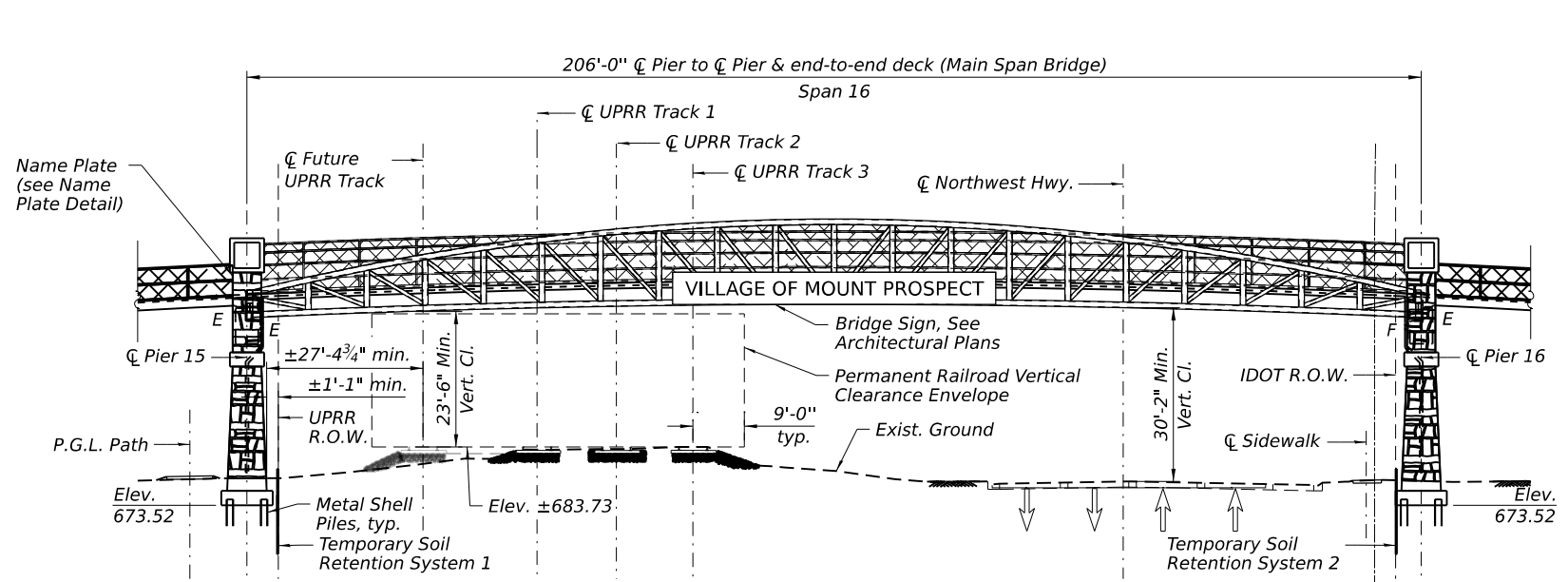
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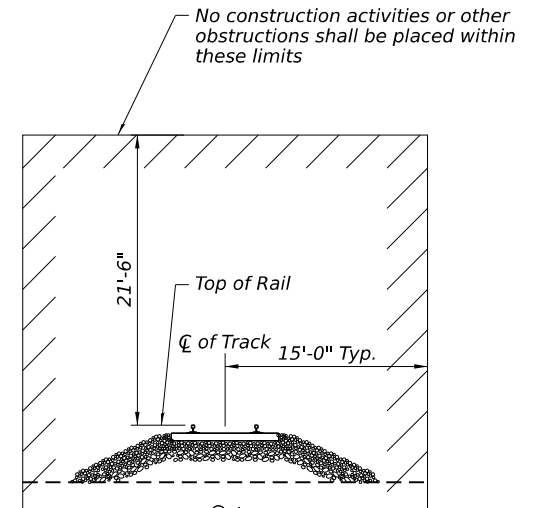
**GENERAL PLAN & ELEVATION SOUTH APPROACH BRIDGE
STRUCTURE NO. 016-7542**

SHEET 5-3 OF 5-68 SHEETS

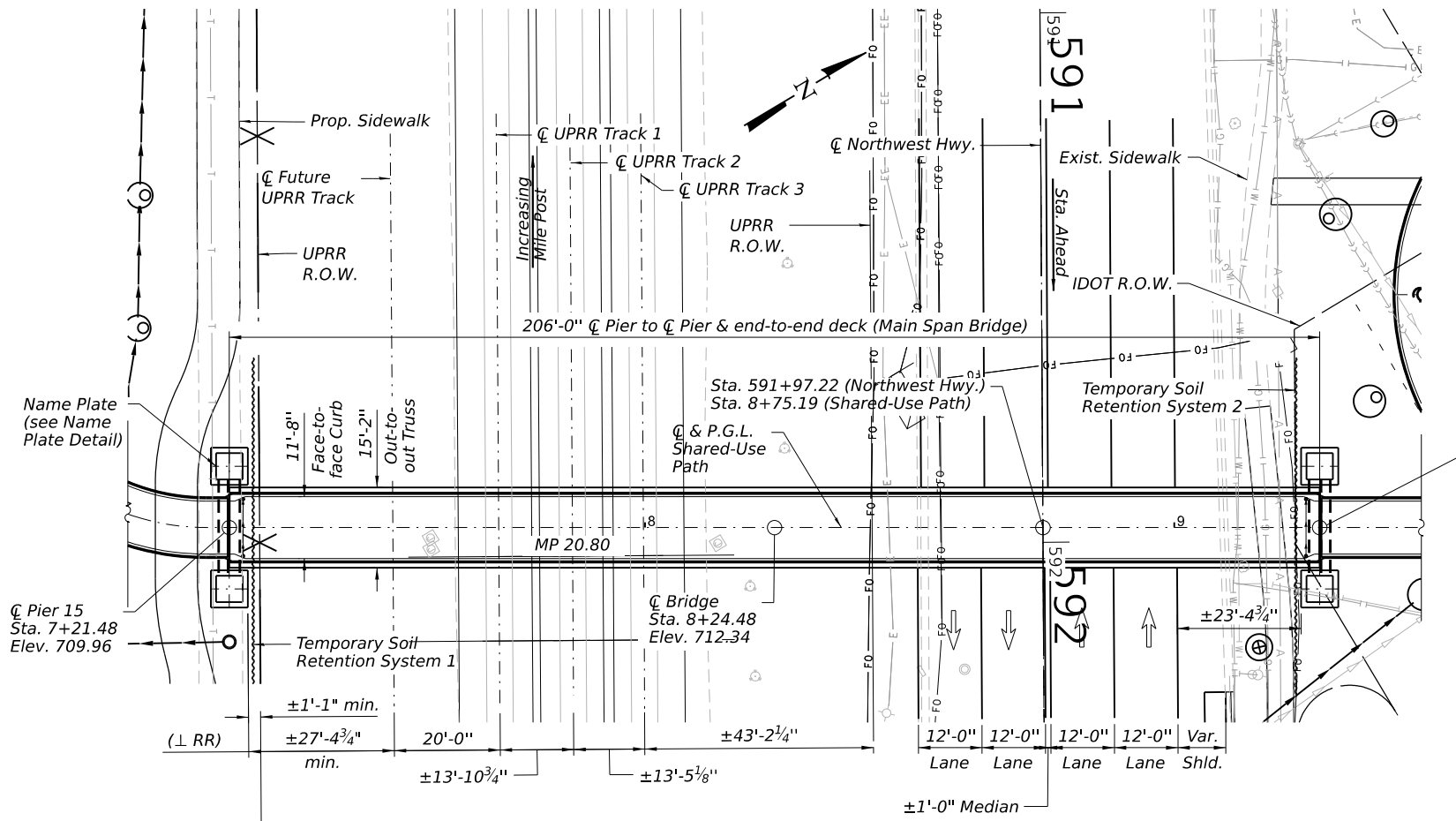
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ILLINOIS FED. AID PROJECT				



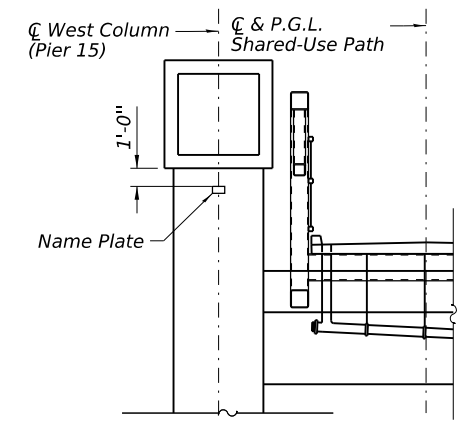
PARTIAL ELEVATION - MAIN SPAN BRIDGE (UNIT 2)



MINIMUM CONSTRUCTION CLEARANCE ENVELOPE (Normal to Railroad)



PARTIAL PLAN - MAIN SPAN BRIDGE (UNIT 2)



NAME PLATE DETAIL Pier 15, Looking Upstation

LEGEND:

- Exist. Aerial Cable — A —
- Exist. Storm Sewer — S —
- Exist. Sanitary Sewer — SS —
- Exist. Tree (Symbol)
- Exist. Stump (Symbol)
- Exist. Manhole (Symbol)
- Exist. Light Pole (Symbol)
- Exist. Power Pole / Service (Symbol)
- Exist. Fence — x — x —
- Prop. Fence — x — x —

FLOOR DRAIN TABLE

ID	Station	Offset
9	7+24.06	5.39' (Rt.)
10	7+24.06	5.39' (Lt.)
11	9+24.90	5.39' (Rt.)
12	9+24.90	5.39' (Lt.)

See Sheet S-22 for details

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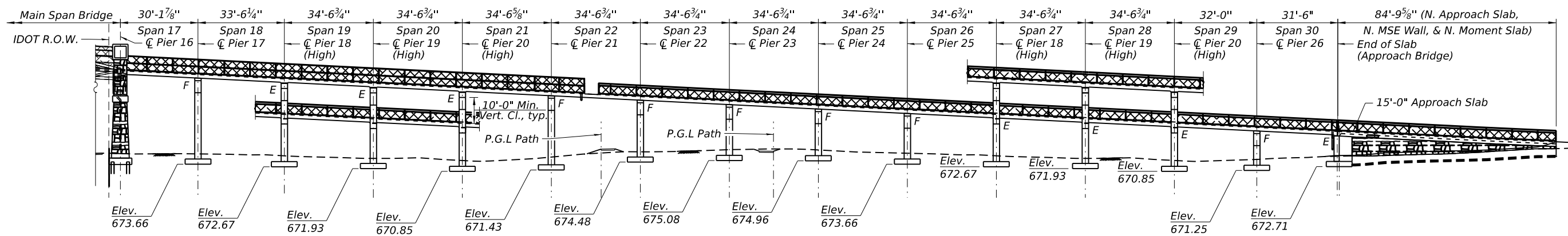
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	CHECKED - APD	REVISED -

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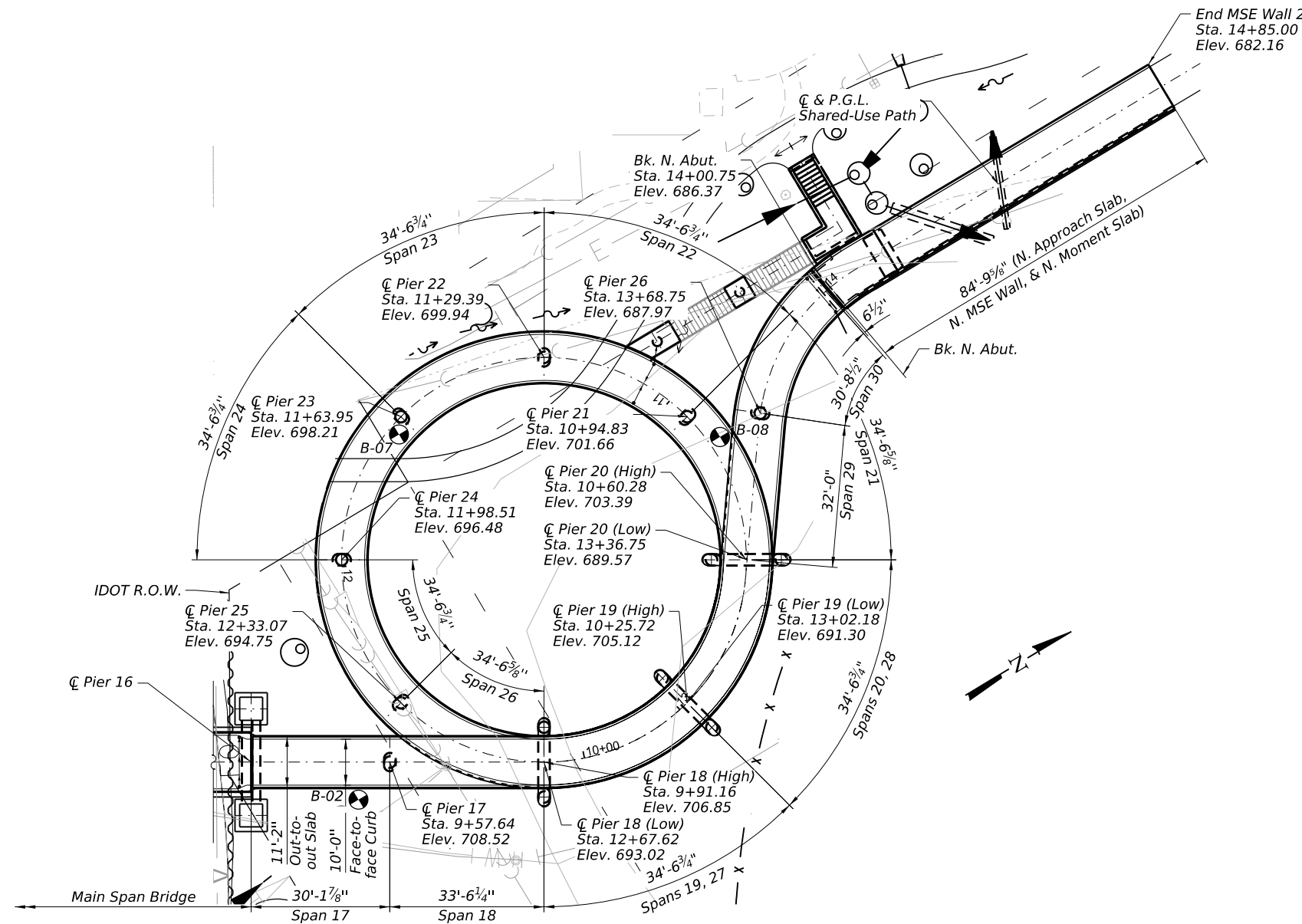
GENERAL PLAN & ELEVATION MAIN SPAN BRIDGE
STRUCTURE NO. 016-7542

SHEET 5-4 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	75
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				



PARTIAL ELEVATION - N. APPROACH BRIDGE (UNIT 3)



PARTIAL PLAN - N. APPROACH BRIDGE (UNIT 3)

LEGEND:

Exist. Aerial Cable	— A —
Exist. Storm Sewer	— >>> —
Exist. Sanitary Sewer	— >>> —
Exist. Tree	⊙ ⊙
Exist. Stump	⊙
Exist. Manhole	⊙
Exist. Light Pole	⊗
Exist. Power Pole / Service	⊠
Exist. Fence	- x - x -
Prop. Fence	- x - x -
Soil Boring	⊙

FLOOR DRAIN TABLE

ID	Station	Offset
13	11+06.76	4.75' (Rt.)
14	11+06.76	4.75' (Lt.)
15	13+98.16	4.75' (Rt.)
16	13+98.16	4.75' (Lt.)

See Sheet S-22 for details

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PLOT DATE =	CHECKED - APD	REVISED -

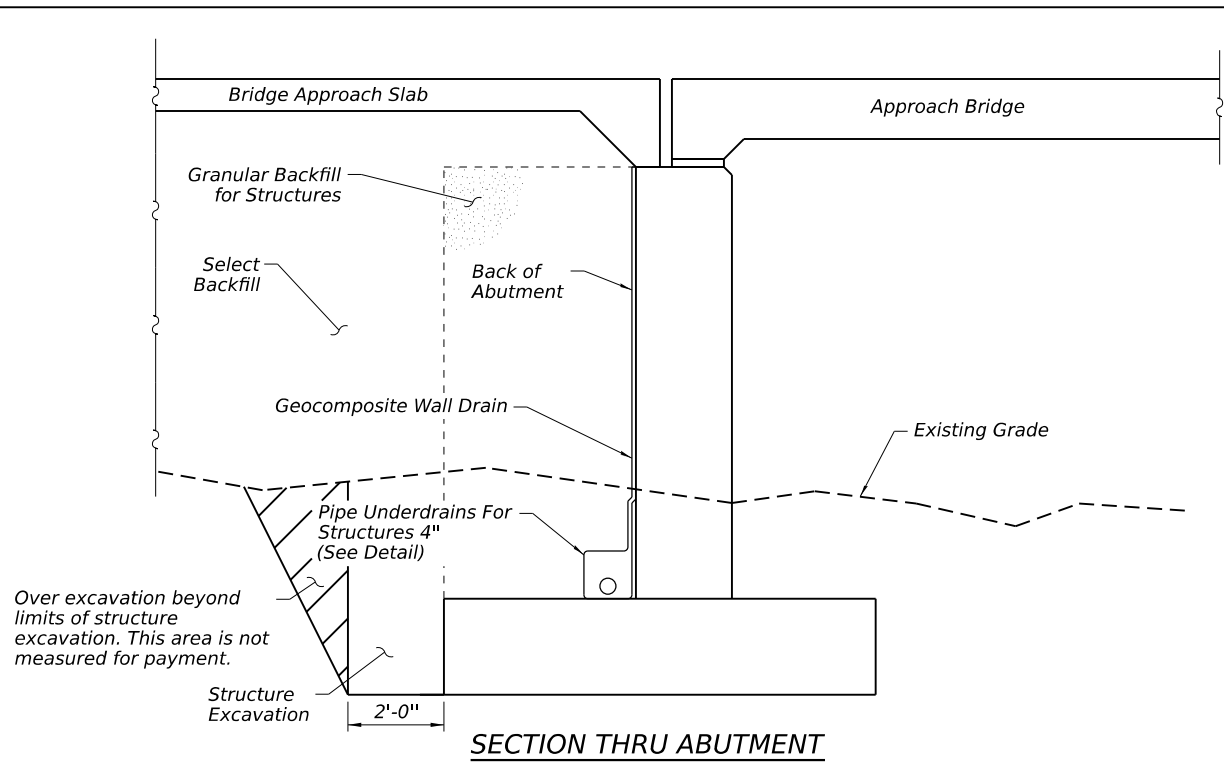
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION NORTH APPROACH BRIDGE
STRUCTURE NO. 016-7542

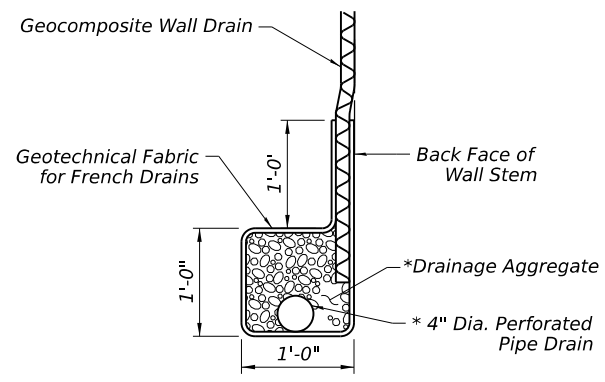
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ILLINOIS		FED. AID PROJECT		

SHEET 5-5 OF 5-68 SHEETS

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SECTION THRU ABUTMENT



PIPE UNDERDRAIN DETAIL

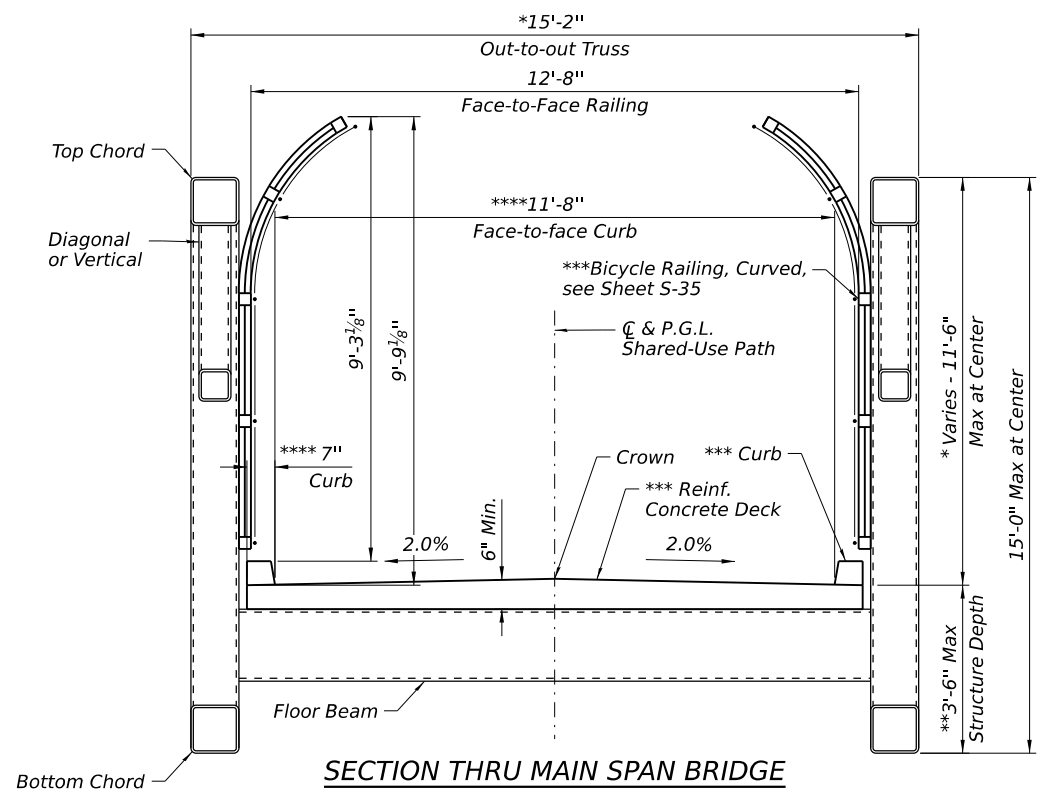
*Included in the cost of "Pipe Underdrains for Structures."

TOTAL BILL OF MATERIAL

DESCRIPTION	UNIT	SP	SUB	SUPER	TOTAL
Structure Excavation	Cu Yd		1,398		1,398
Floor Drains	Each		16		16
Concrete Structures	Cu Yd		682.8		682.8
Concrete Superstructure	Cu Yd			530.8	530.8
Protective Coat	Sq Yd		1,566		1,566
Concrete Superstructure (Approach Slab)	Cu Yd		54.7		54.7
Reinforcement Bars, Epoxy Coated	Pound		113,610	233,910	347,520
Furnishing Metal Shell Piles 14" X 0.250"	Foot		1,001		1,001
Driving Piles	Foot		1,001		1,001
Test Pile Metal Shells	Each		2		2
Name Plates	Each				1
Preformed Joint Strip Seal	Foot			34	34
Temporary Soil Retention System	Sq Ft		1,029		1,029
Drainage System For Structures	L Sum				1
Granular Backfill For Structures	Cu Yd				24
Concrete Sealer	Sq Ft		11,148		11,149
Geocomposite Wall Drain	Sq Yd		34		34
Pipe Underdrains For Structures 4"	Foot				32
Pedestrian Truss Superstructure	Sq Ft	*			2,404
Form Liner Limestone Surface	Sq Ft	*			3,212
Staining Concrete Structures	Sq Ft	*			25,507
Bicycle Railing (Special)	Foot	*			1,503
Bridge Fence Railing (Special)	Foot	*			654
Mechanically Stabilized Earth Retaining Wall (Special)	Sq Ft	*			1,027

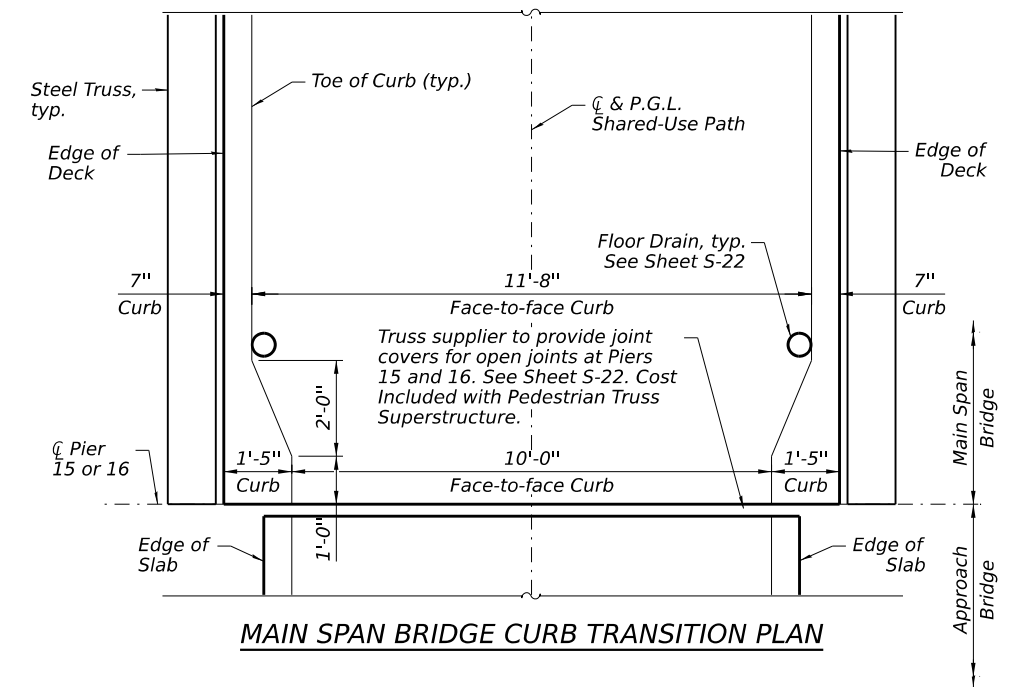
MELAS-MEADOWS SHARED-USE BRIDGE
 BUILT 2027 BY
 VILLAGE OF MOUNT PROSPECT
 SEC. 21-00174-00-BR
 F.A.U. RTE 3512 STATION 591+97.22
 STR. NO. 016-7542 LOADING H-5

NAME PLATE
 See Std. 515001



SECTION THRU MAIN SPAN BRIDGE

* Subject to refinement per Truss Manufacturer.
 ** Structure depth does not include height of bearing.
 *** Cost included with Pedestrian Truss Superstructure.
 **** See Main Span Curb Transition Plan on this sheet.



MAIN SPAN BRIDGE CURB TRANSITION PLAN



USER NAME =	DESIGNED - JMK	REVISED -
	CHECKED - APD	REVISED -
PLOT SCALE =	DRAWN - GUG	REVISED -
PLOT DATE =	CHECKED - APD	REVISED -

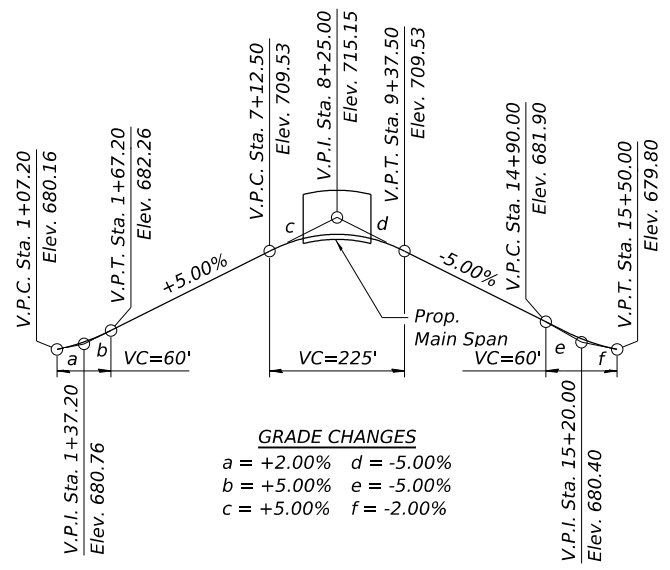
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL DATA 1
 STRUCTURE NO. 016-7542

SHEET 5-6 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	77
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

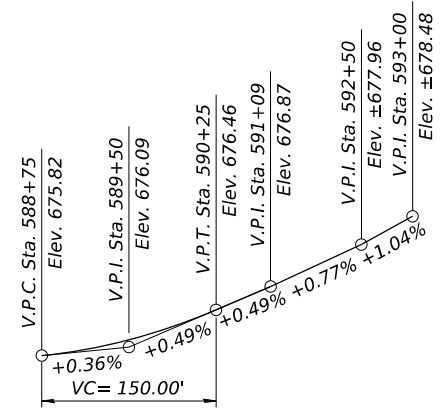
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GRADE CHANGES

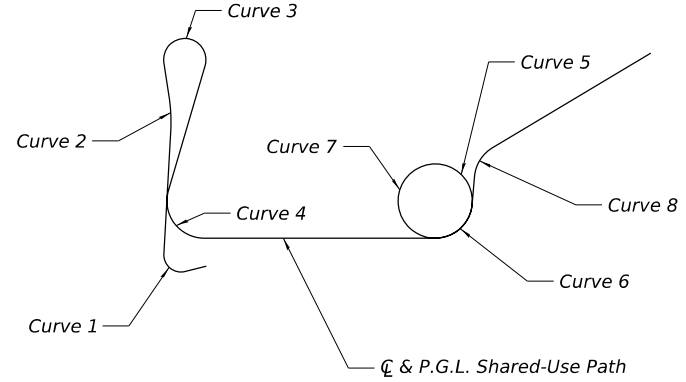
a = +2.00%	d = -5.00%
b = +5.00%	e = -5.00%
c = +5.00%	f = -2.00%

PROFILE GRADE
 (along C Shared-Use Path)



PROFILE GRADE
 (along C Northwest Hwy.)

SHARED USE PATH CURVE DATA



PROP. CURVE 1	PROP. CURVE 2	PROP. CURVE 3	PROP. CURVE 4
P.I. Sta. = 1+49.13	P.I. Sta. = 3+31.28	P.I. Sta. = 5+04.22	P.I. Sta. = 6+94.19
$\Delta = 89^\circ 31' 32''$ (RT)	$\Delta = 11^\circ 45' 55''$ (LT)	$\Delta = 204^\circ 59' 06''$ (RT)	$\Delta = 106^\circ 19' 26''$ (LT)
D = 229°10'59"	D = 28°38'52"	D = 229°10'59"	D = 130°13'03"
R = 25.00'	R = 200.00'	R = 25.00'	R = 44.00'
T = 24.79'	T = 20.61'	T = 112.84'	T = 58.73'
L = 39.06'	L = 41.407'	L = 89.44'	L = 81.65'
E = 10.21'	E = 1.06'	E = 90.57'	E = 29.39'
e = 2%	e = 2%	e = 2%	e = NC
T.R. = N/A	T.R. = N/A	T.R. = 10	T.R. = N/A
S.E. Run = N/A	S.E. Run = N/A	S.E. Run = 5	S.E. Run = N/A
P.C. Sta. = 1+24.34	P.C. Sta. = 3+10.67	P.C. Sta. = 3+91.38	P.C. Sta. = 6+35.45
P.T. Sta. = 1+63.40	P.T. Sta. = 3+51.74	P.T. Sta. = 4+80.82	P.T. Sta. = 7+17.10

PROP. CURVE 5	PROP. CURVE 6	PROP. CURVE 7	PROP. CURVE 8
P.I. Sta. = 12+32.95	P.I. Sta. = 13+23.68	P.I. Sta. = 13+55.39	P.I. Sta. = 13+88.70
$\Delta = 159^\circ 25' 41''$ (LT)	$\Delta = 127^\circ 01' 57''$ (LT)	$\Delta = 159^\circ 25' 41''$ (LT)	$\Delta = 54^\circ 10' 28''$ (RT)
D = 130°13'03"	D = 130°13'03"	D = 130°13'03"	D = 130°13'04"
R = 44.00'	R = 44.00'	R = 44.00'	R = 44.00'
T = 242.45'	T = 88.31'	T = 242.45'	T = 22.50'
L = 122.43'	L = 97.55'	L = 122.43'	L = 41.60'
E = 202.41'	E = 54.67'	E = 202.41'	E = 5.42'
e = NC	e = NC	e = NC	e = NC
T.R. = N/A	T.R. = N/A	T.R. = N/A	T.R. = N/A
S.E. Run = N/A	S.E. Run = N/A	S.E. Run = N/A	S.E. Run = N/A
P.C. Sta. = 9+90.50	P.C. Sta. = 12+35.36	P.C. Sta. = 11+12.93	P.C. Sta. = 13+66.19
P.T. Sta. = 11+12.93	P.T. Sta. = 13+32.92	P.T. Sta. = 12+35.36	P.T. Sta. = 14+07.80



USER NAME =	DESIGNED - JMK	REVISED -
	CHECKED - APD	REVISED -
PLOT SCALE =	DRAWN - GUG	REVISED -
PLOT DATE =	CHECKED - APD	REVISED -

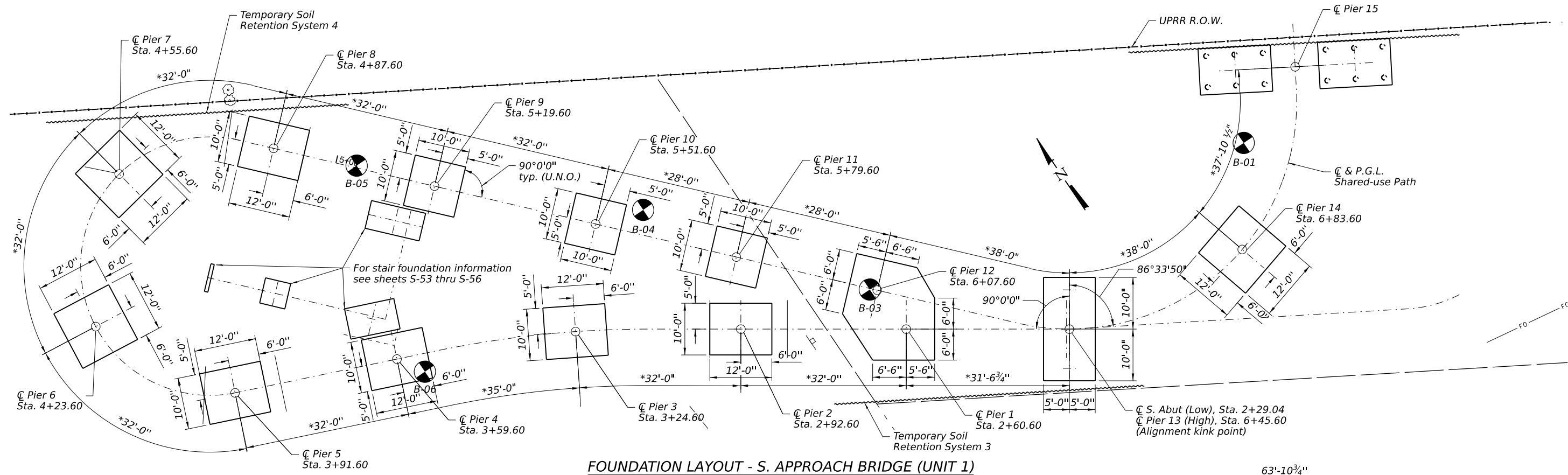
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA 2
 STRUCTURE NO. 016-7542**

SHEET 5-7 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	78
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

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FOUNDATION LAYOUT - S. APPROACH BRIDGE (UNIT 1)

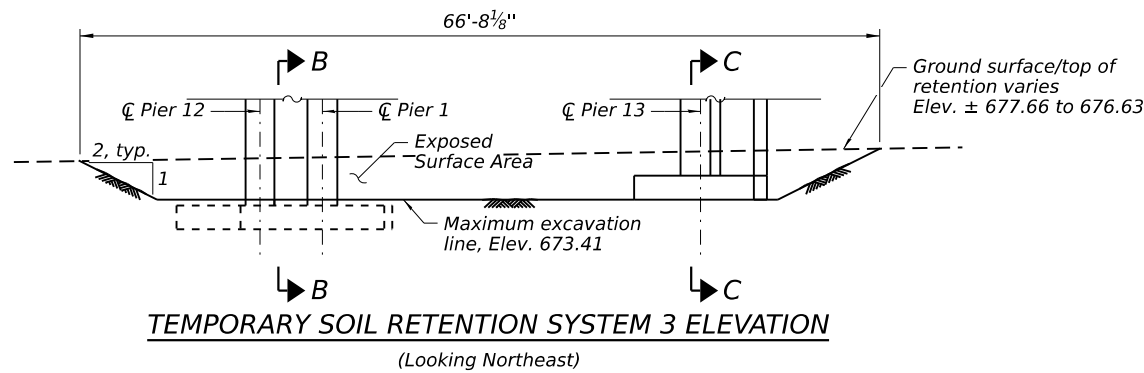
* Measured along C and P.G.L. Shared-use Path

LEGEND:

- Exist. Aerial Cable
- Exist. Storm Sewer
- Exist. Sanitary Sewer
- Exist. Tree
- Exist. Stump
- Exist. Manhole
- Exist. Light Pole
- Exist. Power Pole / Service
- Exist. Fence
- Prop. Fence
- Soil Boring

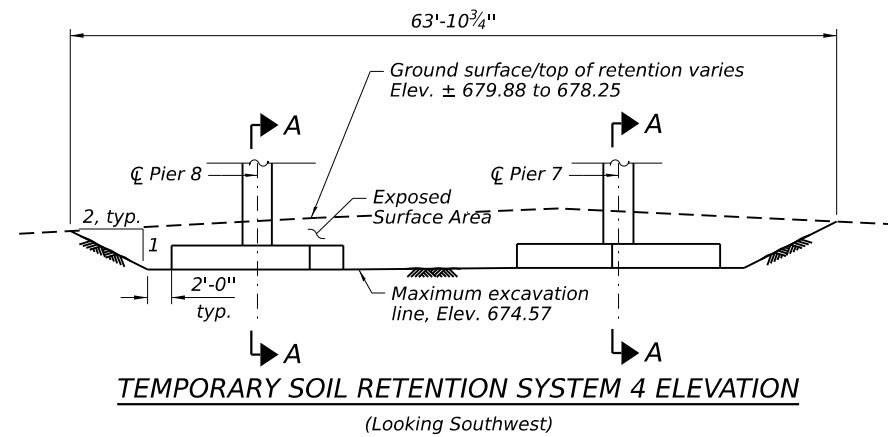
NOTES:

1. The maximum allowable excavation slope is 1:2 (V:H) unless noted.
2. Existing utilities in conflict with new construction shall be abandoned, protected, or relocated according to directions given on the Roadway Plans.
3. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.



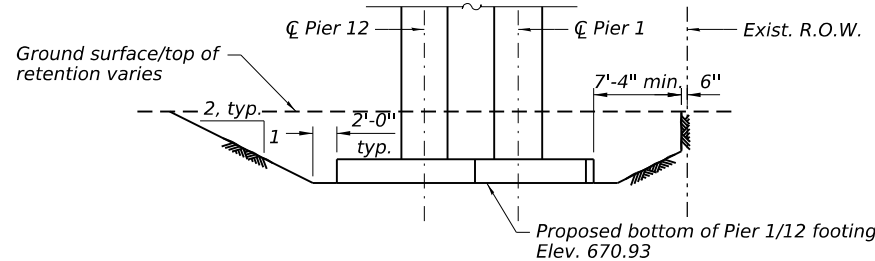
TEMPORARY SOIL RETENTION SYSTEM 3 ELEVATION

(Looking Northeast)

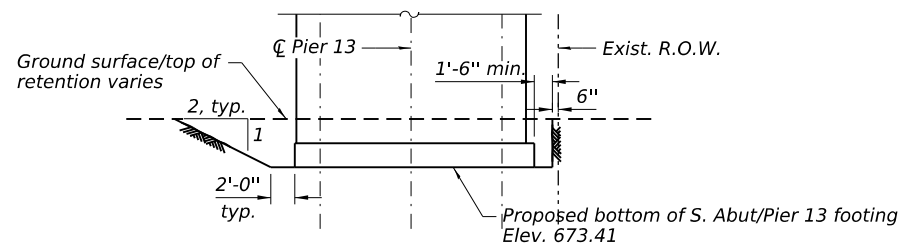


TEMPORARY SOIL RETENTION SYSTEM 4 ELEVATION

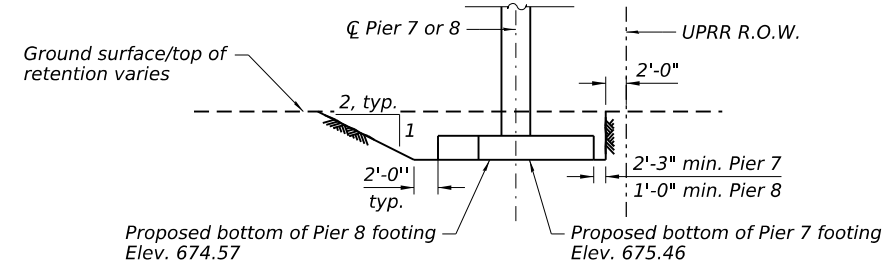
(Looking Southwest)



SECTION B-B



SECTION C-C



SECTION A-A

BILL OF MATERIAL

Item	Unit	Quantity
Temporary Soil Retention System	Sq Ft	512

* Includes Temporary Soil Retention System 3 & 4



USER NAME =	DESIGNED - JMK	REVISED -
PLOT SCALE =	CHECKED - APD	REVISED -
PLOT DATE =	DRAWN - JMK	REVISED -
	CHECKED - APD	REVISED -

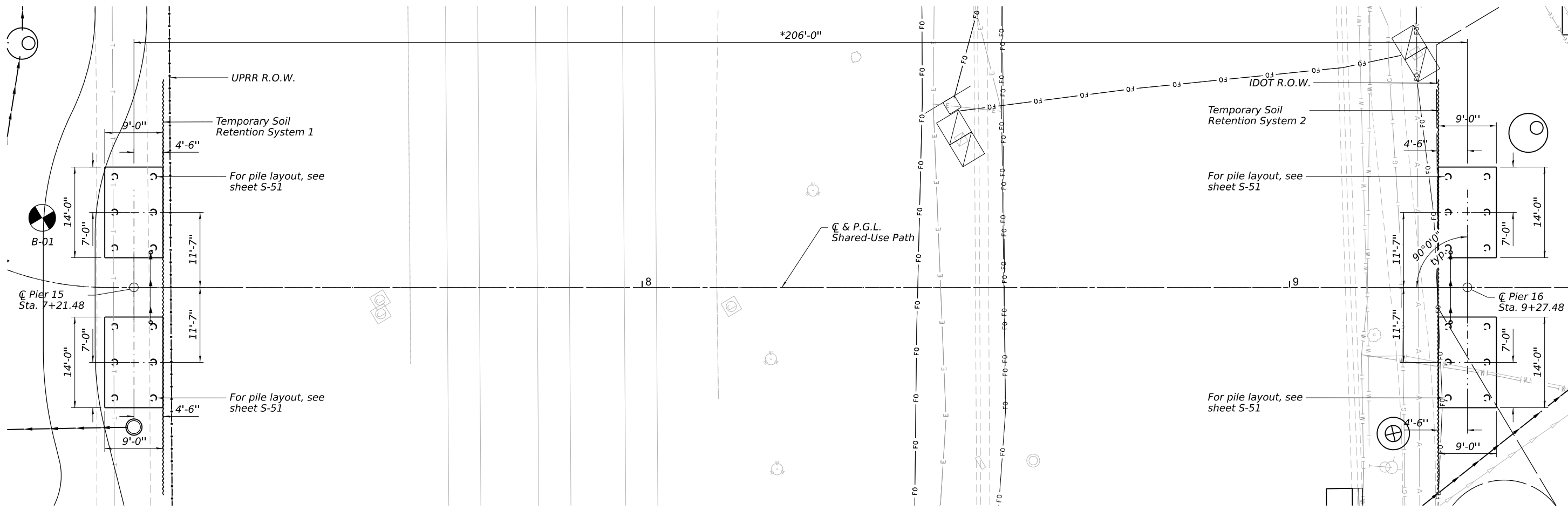
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FOUNDATION LAYOUT - SOUTH APPROACH BRIDGE
STRUCTURE NO. 016-7542**

SHEET 5-8 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	79
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				

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FOUNDATION LAYOUT - MAIN SPAN BRIDGE (UNIT 2)

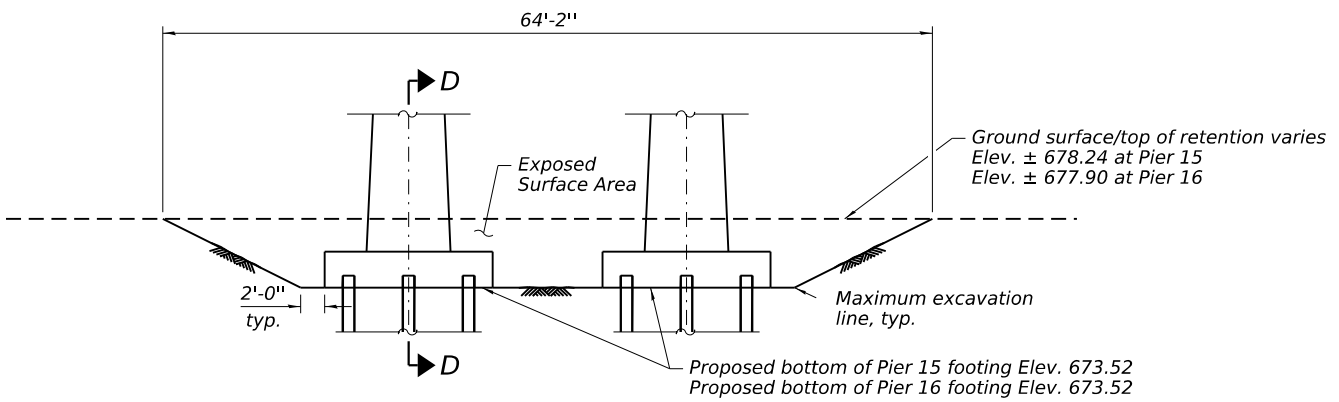
* Measured along \bar{C} and P.G.L. Shared-use Path

LEGEND:

- Exist. Aerial Cable
- Exist. Storm Sewer
- Exist. Sanitary Sewer
- Exist. Tree
- Exist. Stump
- Exist. Manhole
- Exist. Light Pole
- Exist. Power Pole / Service
- Exist. Fence
- Prop. Fence
- Soil Boring

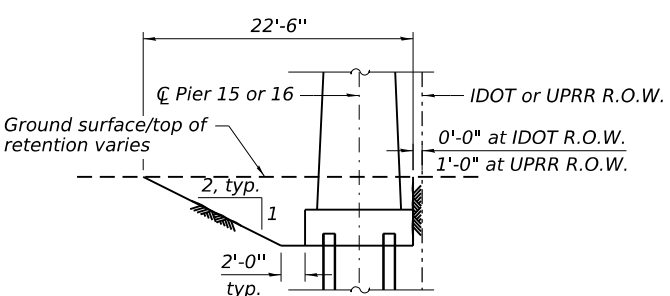
NOTES:

1. The maximum allowable excavation slope is 1:2 (V:H) unless noted.
2. Existing utilities in conflict with new construction shall be abandoned, protected, or relocated according to directions given on the Roadway Plans.
3. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.



TEMPORARY SOIL RETENTION SYSTEM 1 & 2 ELEVATION

(Looking Downstation - Pier 15)
(Looking Upstation - Pier 16)



SECTION D-D

(Looking Northwest - Pier 15)
(Looking Southeast - Pier 16)

BILL OF MATERIAL

Item	Unit	Quantity
* Temporary Soil Retention System	Sq Ft	517

* Includes Temporary Soil Retention System 1 & 2



USER NAME =	DESIGNED - JMK	REVISED -
	CHECKED - APD	REVISED -
PLOT SCALE =	DRAWN - JMK	REVISED -
PLOT DATE =	CHECKED - APD	REVISED -

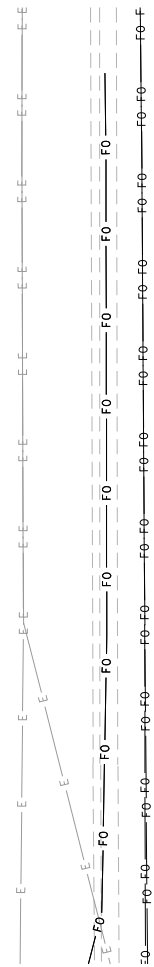
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FOUNDATION LAYOUT - MAIN SPAN BRIDGE
STRUCTURE NO. 016-7542**

SHEET 5-9 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	80
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				

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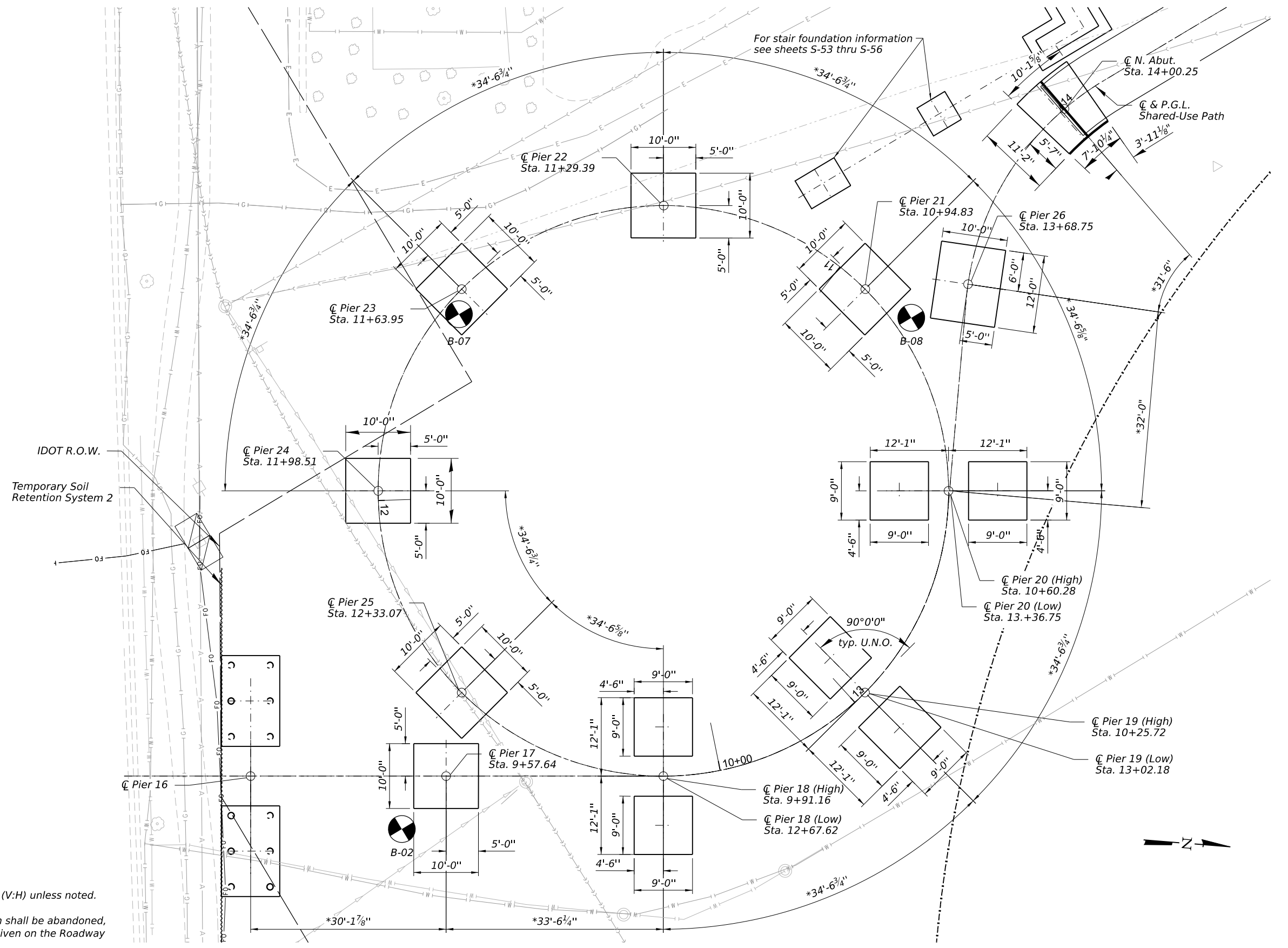


LEGEND:

- Exist. Aerial Cable
- Exist. Storm Sewer
- Exist. Sanitary Sewer
- Exist. Tree
- Exist. Stump
- Exist. Manhole
- Exist. Light Pole
- Exist. Power Pole / Service
- Exist. Fence
- Prop. Fence
- Soil Boring

NOTES:

1. The maximum allowable excavation slope is 1:2 (V:H) unless noted.
2. Existing utilities in conflict with new construction shall be abandoned, protected, or relocated according to directions given on the Roadway Plans.



FOUNDATION LAYOUT - N. APPROACH (UNIT 3)
 * Measured along \bar{C} & P.G.L. Shared Path



USER NAME =	DESIGNED - JMK	REVISED -
	CHECKED - APD	REVISED -
PLOT SCALE =	DRAWN - JMK	REVISED -
PLOT DATE =	CHECKED - APD	REVISED -

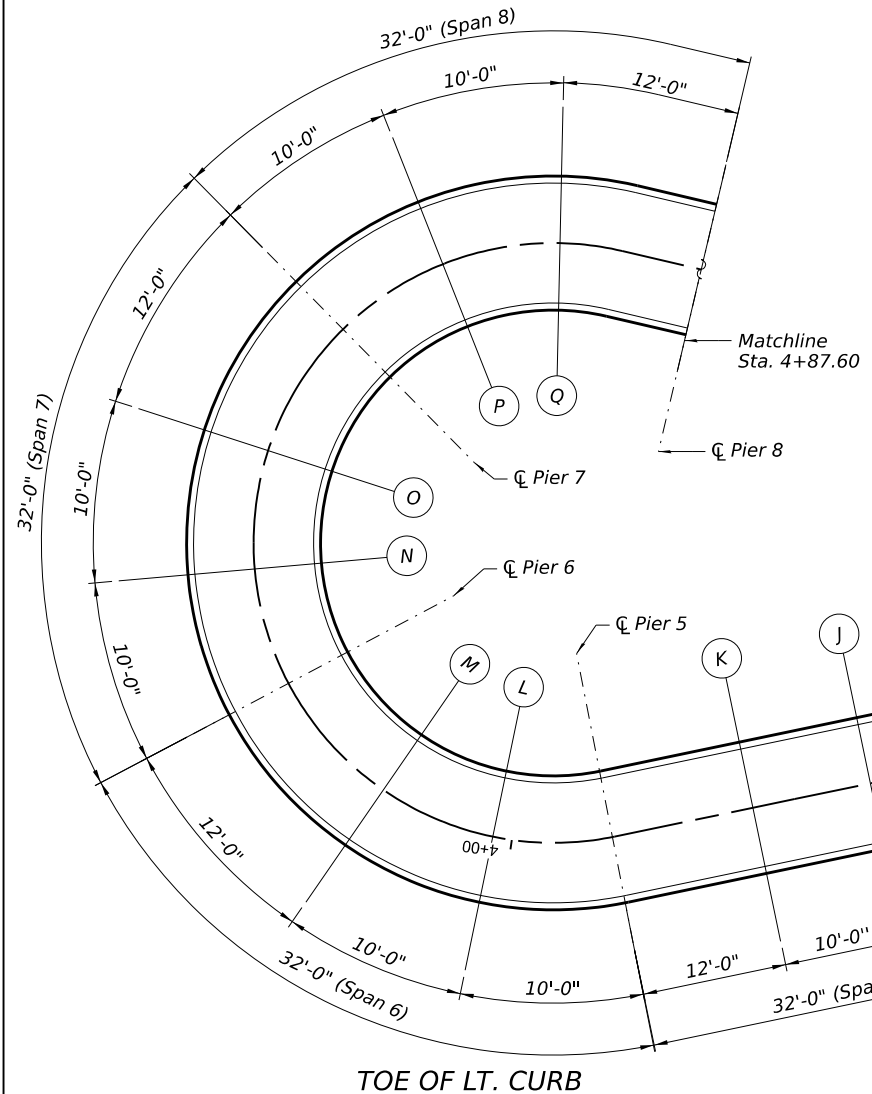
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FOUNDATION LAYOUT - NORTH APPROACH BRIDGE
 STRUCTURE NO. 016-7542**

SHEET 5-10 OF 5-68 SHEETS

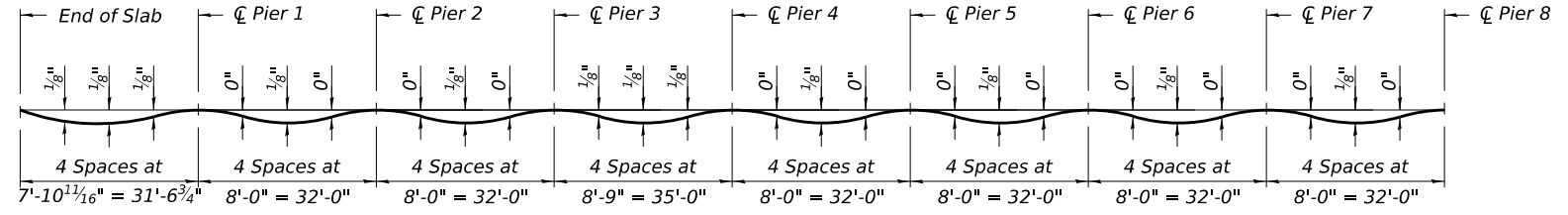
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	81
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				

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TOE OF LT. CURB

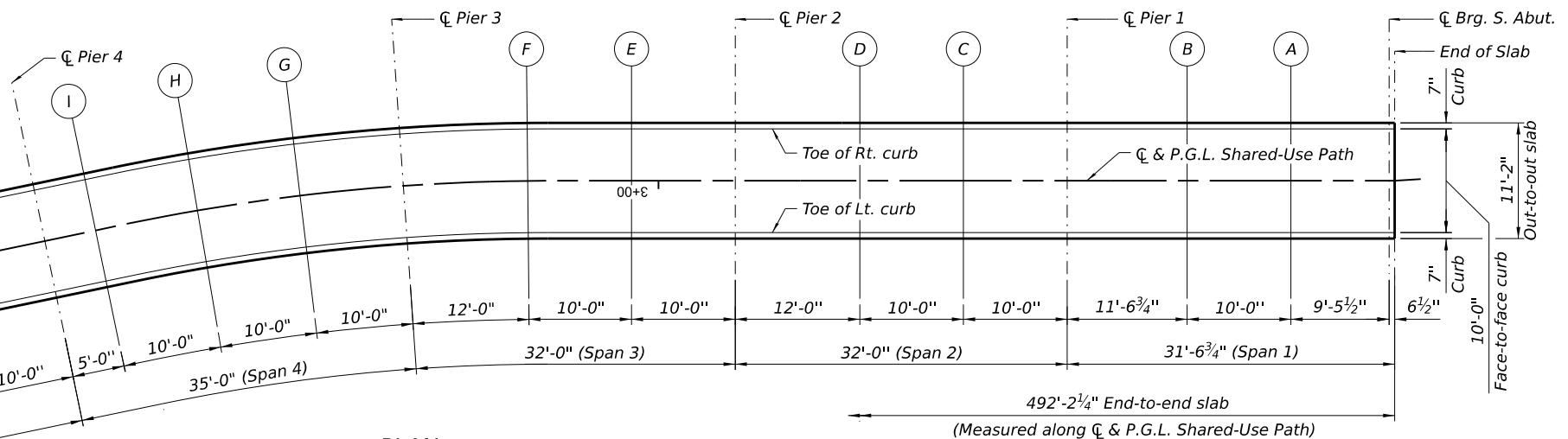
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
End of Slab	02+29.04	5.00 Lt.	685.25	685.25
A	02+39.04	5.00 Lt.	685.75	685.76
B	02+49.04	5.00 Lt.	686.25	686.26
CL Pier 1	02+60.60	5.00 Lt.	686.83	686.83
C	02+70.60	5.00 Lt.	687.33	687.33
D	02+80.60	5.00 Lt.	687.83	687.83
CL Pier 2	02+92.60	5.00 Lt.	688.43	688.43
E	03+02.60	5.00 Lt.	688.93	688.93
F	03+12.60	5.00 Lt.	689.43	689.44
CL Pier 3	03+24.60	5.00 Lt.	690.03	690.03
G	03+34.60	5.00 Lt.	690.53	690.54
H	03+44.60	5.00 Lt.	691.03	691.04
I	03+54.60	5.00 Lt.	691.53	691.53
CL Pier 4	03+59.60	5.00 Lt.	691.78	691.78
J	03+69.60	5.00 Lt.	692.28	692.28
K	03+79.60	5.00 Lt.	692.78	692.79
CL Pier 5	03+91.60	5.00 Lt.	693.38	693.38
L	04+01.60	5.00 Lt.	693.88	693.89
M	04+11.60	5.00 Lt.	694.38	694.39
CL Pier 6	04+23.60	5.00 Lt.	694.98	694.98
N	04+33.60	5.00 Lt.	695.48	695.49
O	04+43.60	5.00 Lt.	695.98	695.99
CL Pier 7	04+55.60	5.00 Lt.	696.58	696.58
P	04+65.60	5.00 Lt.	697.08	697.09
Q	04+75.60	5.00 Lt.	697.58	697.59
CL Pier 8	04+87.60	5.00 Lt.	698.18	698.18



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:
 The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.



PLAN

CL & P.G.L. SHARED-USE PATH

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
End of Slab	02+29.04	0.00	685.35	685.35
A	02+39.04	0.00	685.85	685.86
B	02+49.04	0.00	686.35	686.36
CL Pier 1	02+60.60	0.00	686.93	686.93
C	02+70.60	0.00	687.43	687.43
D	02+80.60	0.00	687.93	687.93
CL Pier 2	02+92.60	0.00	688.53	688.53
E	03+02.60	0.00	689.03	689.03
F	03+12.60	0.00	689.53	689.54
CL Pier 3	03+24.60	0.00	690.13	690.13
G	03+34.60	0.00	690.63	690.64
H	03+44.60	0.00	691.13	691.14
I	03+54.60	0.00	691.63	691.63
CL Pier 4	03+59.60	0.00	691.88	691.88
J	03+69.60	0.00	692.38	692.38
K	03+79.60	0.00	692.88	692.89
CL Pier 5	03+91.60	0.00	693.48	693.48
L	04+01.60	0.00	693.98	693.99
M	04+11.60	0.00	694.48	694.49
CL Pier 6	04+23.60	0.00	695.08	695.08
N	04+33.60	0.00	695.58	695.59
O	04+43.60	0.00	696.08	696.09
CL Pier 7	04+55.60	0.00	696.68	696.68
P	04+65.60	0.00	697.18	697.19
Q	04+75.60	0.00	697.68	697.69
CL Pier 8	04+87.60	0.00	698.28	698.28

TOE OF RT. CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
End of Slab	02+29.04	5.00 Rt.	685.25	685.25
A	02+39.04	5.00 Rt.	685.75	685.76
B	02+49.04	5.00 Rt.	686.25	686.26
CL Pier 1	02+60.60	5.00 Rt.	686.83	686.83
C	02+70.60	5.00 Rt.	687.33	687.33
D	02+80.60	5.00 Rt.	687.83	687.83
CL Pier 2	02+92.60	5.00 Rt.	688.43	688.43
E	03+02.60	5.00 Rt.	688.93	688.93
F	03+12.60	5.00 Rt.	689.43	689.44
CL Pier 3	03+24.60	5.00 Rt.	690.03	690.03
G	03+34.60	5.00 Rt.	690.53	690.54
H	03+44.60	5.00 Rt.	691.03	691.04
I	03+54.60	5.00 Rt.	691.53	691.53
CL Pier 4	03+59.60	5.00 Rt.	691.78	691.78
J	03+69.60	5.00 Rt.	692.28	692.28
K	03+79.60	5.00 Rt.	692.78	692.79
CL Pier 5	03+91.60	5.00 Rt.	693.38	693.38
L	04+01.60	5.00 Rt.	693.88	693.89
M	04+11.60	5.00 Rt.	694.38	694.39
CL Pier 6	04+23.60	5.00 Rt.	694.98	694.98
N	04+33.60	5.00 Rt.	695.48	695.49
O	04+43.60	5.00 Rt.	695.98	695.99
CL Pier 7	04+55.60	5.00 Rt.	696.58	696.58
P	04+65.60	5.00 Rt.	697.08	697.09
Q	04+75.60	5.00 Rt.	697.58	697.59
CL Pier 8	04+87.60	5.00 Rt.	698.18	698.18



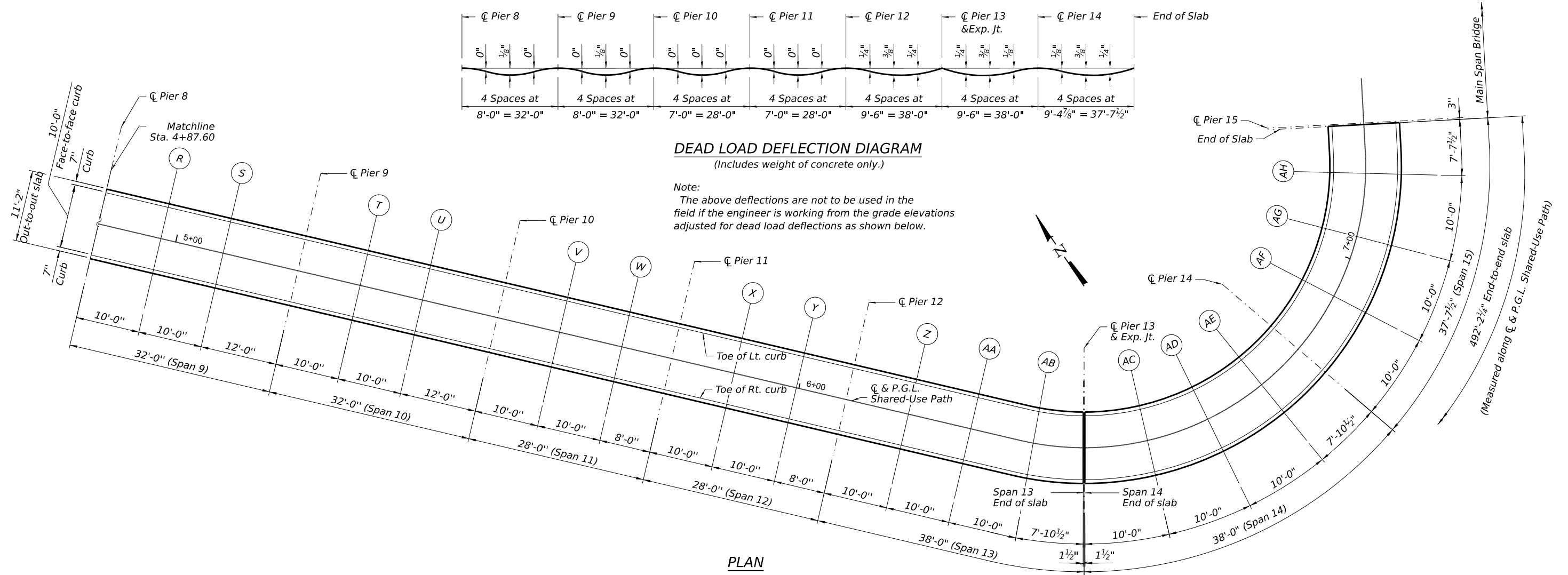
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PLOT DATE =	DRAWN - EJW	REVISED -
	CHECKED - JMK	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS 1
 STRUCTURE NO. 016-7542**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	82
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				

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DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.

TOE OF LT. CURB

CL & P.G.L. SHARED-USE PATH

TOE OF RT. CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
CL Pier 8	04+87.60	5.00 Lt.	698.18	698.18
R	04+97.60	5.00 Lt.	698.68	698.68
S	05+07.60	5.00 Lt.	699.18	699.19
CL Pier 9	05+19.60	5.00 Lt.	699.78	699.78
T	05+29.60	5.00 Lt.	700.28	700.29
U	05+39.60	5.00 Lt.	700.78	700.79
CL Pier 10	05+51.60	5.00 Lt.	701.38	701.38
V	05+61.60	5.00 Lt.	701.88	701.88
W	05+71.60	5.00 Lt.	702.38	702.38
CL Pier 11	05+79.60	5.00 Lt.	702.78	702.78
X	05+89.60	5.00 Lt.	703.28	703.28
Y	05+99.60	5.00 Lt.	703.78	703.78
CL Pier 12	06+07.60	5.00 Lt.	704.18	704.18
Z	06+17.60	5.00 Lt.	704.68	704.70
AA	06+27.60	5.00 Lt.	705.18	705.21
AB	06+37.60	5.00 Lt.	705.68	705.70
Span 13 End of Slab	06+45.48	5.00 Lt.	706.07	706.07
Span 14 End of Slab	06+45.73	5.00 Lt.	706.09	706.09
AC	06+55.73	5.00 Lt.	706.59	706.61
AD	06+65.73	5.00 Lt.	707.09	707.11
AE	06+75.73	5.00 Lt.	707.59	707.60
CL Pier 14	06+83.60	5.00 Lt.	707.98	707.98
AF	06+93.60	5.00 Lt.	708.48	708.49
AG	07+03.60	5.00 Lt.	708.98	709.01
AH	07+13.60	5.00 Lt.	709.48	709.50
End of Slab	07+21.23	5.00 Lt.	709.85	709.85

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
CL Pier 8	04+87.60	0.00	698.28	698.28
R	04+97.60	0.00	698.78	698.78
S	05+07.60	0.00	699.28	699.29
CL Pier 9	05+19.60	0.00	699.88	699.88
T	05+29.60	0.00	700.38	700.39
U	05+39.60	0.00	700.88	700.89
CL Pier 10	05+51.60	0.00	701.48	701.48
V	05+61.60	0.00	701.98	701.98
W	05+71.60	0.00	702.48	702.48
CL Pier 11	05+79.60	0.00	702.88	702.88
X	05+89.60	0.00	703.38	703.38
Y	05+99.60	0.00	703.88	703.88
CL Pier 12	06+07.60	0.00	704.28	704.28
Z	06+17.60	0.00	704.78	704.80
AA	06+27.60	0.00	705.28	705.31
AB	06+37.60	0.00	705.78	705.80
Span 13 End of Slab	06+45.48	0.00	706.17	706.17
Span 14 End of Slab	06+45.73	0.00	706.19	706.19
AC	06+55.73	0.00	706.69	706.71
AD	06+65.73	0.00	707.19	707.21
AE	06+75.73	0.00	707.69	707.70
CL Pier 14	06+83.60	0.00	708.08	708.08
AF	06+93.60	0.00	708.58	708.59
AG	07+03.60	0.00	709.08	709.11
AH	07+13.60	0.00	709.58	709.60
End of Slab	07+21.23	0.00	709.95	709.95

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
CL Pier 8	04+87.60	5.00 Rt.	698.18	698.18
R	04+97.60	5.00 Rt.	698.68	698.68
S	05+07.60	5.00 Rt.	699.18	699.19
CL Pier 9	05+19.60	5.00 Rt.	699.78	699.78
T	05+29.60	5.00 Rt.	700.28	700.29
U	05+39.60	5.00 Rt.	700.78	700.79
CL Pier 10	05+51.60	5.00 Rt.	701.38	701.38
V	05+61.60	5.00 Rt.	701.88	701.88
W	05+71.60	5.00 Rt.	702.38	702.38
CL Pier 11	05+79.60	5.00 Rt.	702.78	702.78
X	05+89.60	5.00 Rt.	703.28	703.28
Y	05+99.60	5.00 Rt.	703.78	703.78
CL Pier 12	06+07.60	5.00 Rt.	704.18	704.18
Z	06+17.60	5.00 Rt.	704.68	704.70
AA	06+27.60	5.00 Rt.	705.18	705.21
AB	06+37.60	5.00 Rt.	705.68	705.70
Span 13 End of Slab	06+45.48	5.00 Rt.	706.07	706.07
Span 14 End of Slab	06+45.73	5.00 Rt.	706.09	706.09
AC	06+55.73	5.00 Rt.	706.59	706.61
AD	06+65.73	5.00 Rt.	707.09	707.11
AE	06+75.73	5.00 Rt.	707.59	707.60
CL Pier 14	06+83.60	5.00 Rt.	707.98	707.98
AF	06+93.60	5.00 Rt.	708.48	708.49
AG	07+03.60	5.00 Rt.	708.98	709.01
AH	07+13.60	5.00 Rt.	709.48	709.50
End of Slab	07+21.23	5.00 Rt.	709.85	709.85



USER NAME =	DESIGNED - EJW	REVISED -
PLOT SCALE =	CHECKED - JMK	REVISED -
PLOT DATE =	DRAWN - EJW	REVISED -
	CHECKED - JMK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS 2
STRUCTURE NO. 016-7542
 SHEET 5-12 OF 5-68 SHEETS

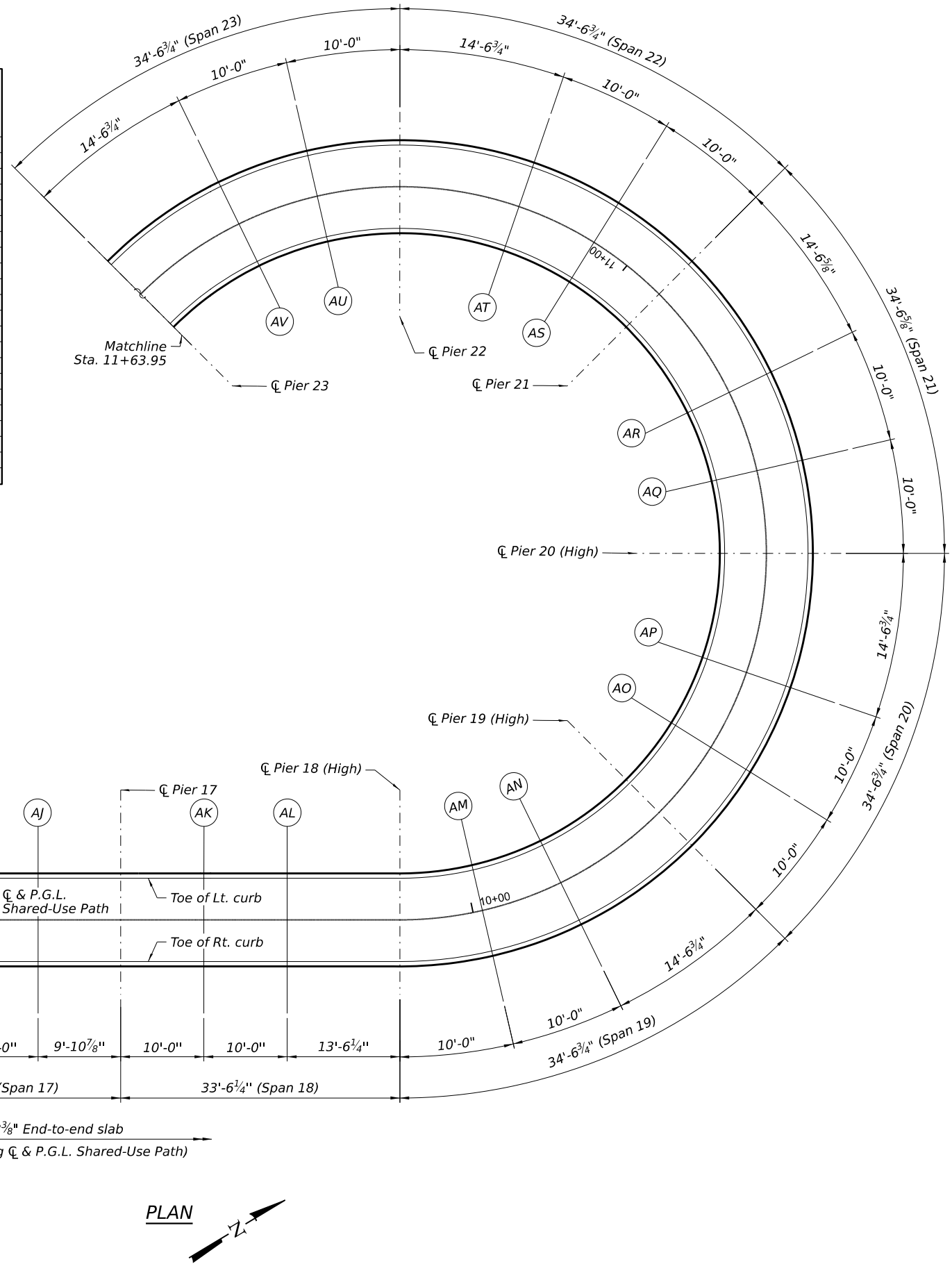
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	83
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

TOE OF LT. CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
End of Slab	09+27.73	5.00 Lt.	709.90	709.90
AJ	09+37.73	5.00 Lt.	709.42	709.43
AJ	09+47.73	5.00 Lt.	708.92	708.93
CL Pier 17	09+57.64	5.00 Lt.	708.42	708.42
AK	09+67.64	5.00 Lt.	707.92	707.93
AL	09+77.64	5.00 Lt.	707.42	707.43
CL Pier 18 (High)	09+91.16	5.00 Lt.	706.75	706.75
AM	10+01.16	5.00 Lt.	706.25	706.26
AN	10+11.16	5.00 Lt.	705.75	705.76
CL Pier 19 (High)	10+25.72	5.00 Lt.	705.02	705.02
AO	10+35.72	5.00 Lt.	704.52	704.53
AP	10+45.72	5.00 Lt.	704.02	704.03
CL Pier 20 (High)	10+60.28	5.00 Lt.	703.29	703.29
AQ	10+70.28	5.00 Lt.	702.79	702.80
AR	10+80.28	5.00 Lt.	702.29	702.30
CL Pier 21	10+94.83	5.00 Lt.	701.56	701.56
AS	11+04.83	5.00 Lt.	701.06	701.07
AT	11+14.83	5.00 Lt.	700.56	700.57
CL Pier 22	11+29.39	5.00 Lt.	699.84	699.84
AU	11+39.39	5.00 Lt.	699.34	699.34
AV	11+49.39	5.00 Lt.	698.84	698.84
CL Pier 23	11+63.95	5.00 Lt.	698.11	698.11

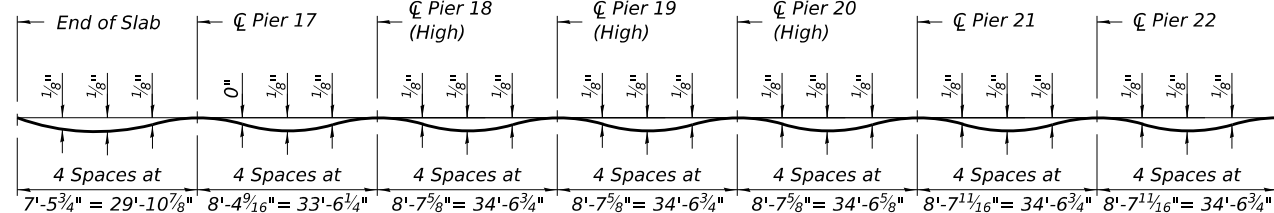
☉ & P.G.L. SHARED-USE PATH

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
End of Slab	09+27.73	0.00	710.00	710.00
AJ	09+37.73	0.00	709.52	709.53
AJ	09+47.73	0.00	709.02	709.03
CL Pier 17	09+57.64	0.00	708.52	708.52
AK	09+67.64	0.00	708.02	708.03
AL	09+77.64	0.00	707.52	707.53
CL Pier 18 (High)	09+91.16	0.00	706.85	706.85
AM	10+01.16	0.00	706.35	706.36
AN	10+11.16	0.00	705.85	705.86
CL Pier 19 (High)	10+25.72	0.00	705.12	705.12
AO	10+35.72	0.00	704.62	704.63
AP	10+45.72	0.00	704.12	704.13
CL Pier 20 (High)	10+60.28	0.00	703.39	703.39
AQ	10+70.28	0.00	702.89	702.90
AR	10+80.28	0.00	702.39	702.40
CL Pier 21	10+94.83	0.00	701.66	701.66
AS	11+04.83	0.00	701.16	701.17
AT	11+14.83	0.00	700.66	700.67
CL Pier 22	11+29.39	0.00	699.94	699.94
AU	11+39.39	0.00	699.44	699.44
AV	11+49.39	0.00	698.94	698.94
CL Pier 23	11+63.95	0.00	698.21	698.21



TOE OF RT. CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
End of Slab	09+27.73	5.00 Rt.	709.90	709.90
AJ	09+37.73	5.00 Rt.	709.42	709.43
AJ	09+47.73	5.00 Rt.	708.92	708.93
CL Pier 17	09+57.64	5.00 Rt.	708.42	708.42
AK	09+67.64	5.00 Rt.	707.92	707.93
AL	09+77.64	5.00 Rt.	707.42	707.43
CL Pier 18 (High)	09+91.16	5.00 Rt.	706.75	706.75
AM	10+01.16	5.00 Rt.	706.25	706.26
AN	10+11.16	5.00 Rt.	705.75	705.76
CL Pier 19 (High)	10+25.72	5.00 Rt.	705.02	705.02
AO	10+35.72	5.00 Rt.	704.52	704.53
AP	10+45.72	5.00 Rt.	704.02	704.03
CL Pier 20 (High)	10+60.28	5.00 Rt.	703.29	703.29
AQ	10+70.28	5.00 Rt.	702.79	702.80
AR	10+80.28	5.00 Rt.	702.29	702.30
CL Pier 21	10+94.83	5.00 Rt.	701.56	701.56
AS	11+04.83	5.00 Rt.	701.06	701.07
AT	11+14.83	5.00 Rt.	700.56	700.57
CL Pier 22	11+29.39	5.00 Rt.	699.84	699.84
AU	11+39.39	5.00 Rt.	699.34	699.34
AV	11+49.39	5.00 Rt.	698.84	698.84
CL Pier 23	11+63.95	5.00 Rt.	698.11	698.11



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.

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USER NAME =	DESIGNED - EJW	REVISED -
PLOT SCALE =	CHECKED - JMK	REVISED -
PLOT DATE =	DRAWN - EJW	REVISED -
	CHECKED - JMK	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS 3
STRUCTURE NO. 016-7542**

SHEET 5-13 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	84
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

TOE OF LT. CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
CL Pier 23	11+63.95	5.00 Lt.	698.11	698.11
AW	11+73.95	5.00 Lt.	697.61	697.61
AX	11+83.95	5.00 Lt.	697.11	697.12
CL Pier 24	11+98.51	5.00 Lt.	696.38	696.38
AY	12+08.51	5.00 Lt.	695.88	695.89
AZ	12+18.51	5.00 Lt.	695.38	695.39
CL Pier 25	12+33.07	5.00 Lt.	694.65	694.65
BA	12+43.07	5.00 Lt.	694.15	694.16
BB	12+53.07	5.00 Lt.	693.65	693.66
CL Pier 18 (Low)	12+67.63	5.00 Lt.	692.92	692.92
BC	12+77.63	5.00 Lt.	692.42	692.43
BD	12+87.63	5.00 Lt.	691.92	691.93
CL Pier 19 (Low)	13+02.18	5.00 Lt.	691.20	691.20
BE	13+12.18	5.00 Lt.	690.70	690.71
BF	13+22.18	5.00 Lt.	690.21	690.21
CL Pier 20 (Low)	13+36.75	5.00 Lt.	689.47	689.47
BG	13+46.75	5.00 Lt.	688.97	688.97
BH	13+56.75	5.00 Lt.	688.47	688.47
CL Pier 26	13+68.75	5.00 Lt.	687.87	687.87
BI	13+78.75	5.00 Lt.	687.37	687.38
BJ	13+88.75	5.00 Lt.	686.87	686.88
End of Slab	14+00.00	5.00 Lt.	686.30	686.30

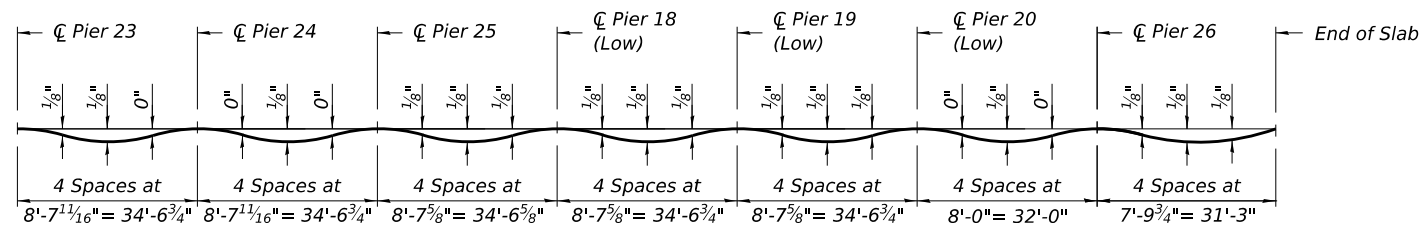
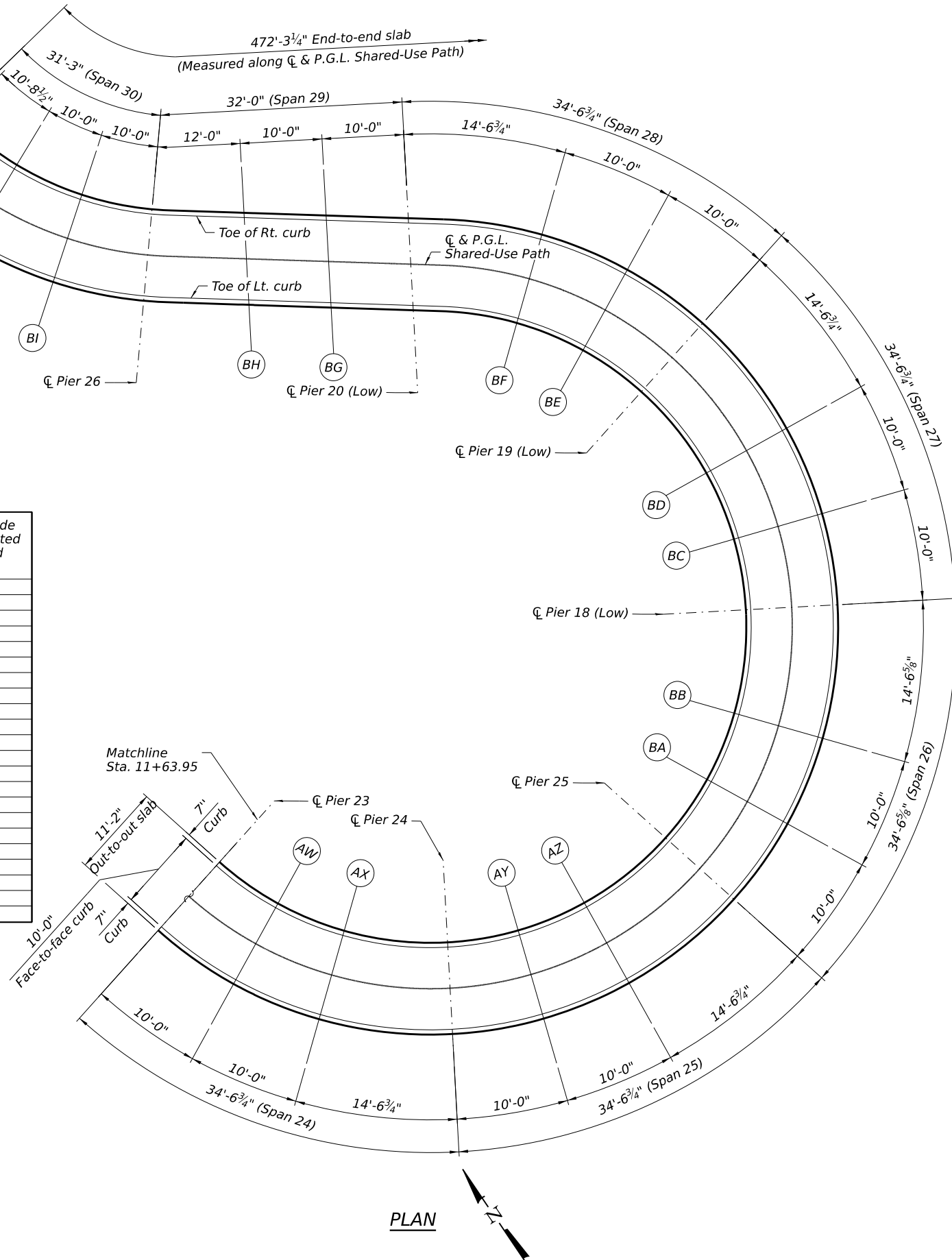
TOE OF RT. CURB

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
CL Pier 23	11+63.95	5.00 Rt.	698.11	698.11
AW	11+73.95	5.00 Rt.	697.61	697.61
AX	11+83.95	5.00 Rt.	697.11	697.12
CL Pier 24	11+98.51	5.00 Rt.	696.38	696.38
AY	12+08.51	5.00 Rt.	695.88	695.89
AZ	12+18.51	5.00 Rt.	695.38	695.39
CL Pier 25	12+33.07	5.00 Rt.	694.65	694.65
BA	12+43.07	5.00 Rt.	694.15	694.16
BB	12+53.07	5.00 Rt.	693.65	693.66
CL Pier 18 (Low)	12+67.63	5.00 Rt.	692.92	692.92
BC	12+77.63	5.00 Rt.	692.42	692.43
BD	12+87.63	5.00 Rt.	691.92	691.93
CL Pier 19 (Low)	13+02.18	5.00 Rt.	691.20	691.20
BE	13+12.18	5.00 Rt.	690.70	690.71
BF	13+22.18	5.00 Rt.	690.21	690.21
CL Pier 20 (Low)	13+36.75	5.00 Rt.	689.47	689.47
BG	13+46.75	5.00 Rt.	688.97	688.97
BH	13+56.75	5.00 Rt.	688.47	688.47
CL Pier 26	13+68.75	5.00 Rt.	687.87	687.87
BI	13+78.75	5.00 Rt.	687.37	687.38
BJ	13+88.75	5.00 Rt.	686.87	686.88
End of Slab	14+00.00	5.00 Rt.	686.30	686.30

CL & P.G.L. SHARED-USE PATH

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
CL Pier 23	11+63.95	0.00	698.21	698.21
AW	11+73.95	0.00	697.71	697.71
AX	11+83.95	0.00	697.21	697.22
CL Pier 24	11+98.51	0.00	696.48	696.48
AY	12+08.51	0.00	695.98	695.99
AZ	12+18.51	0.00	695.48	695.49
CL Pier 25	12+33.07	0.00	694.75	694.75
BA	12+43.07	0.00	694.25	694.26
BB	12+53.07	0.00	693.75	693.76
CL Pier 18 (Low)	12+67.63	0.00	693.02	693.02
BC	12+77.63	0.00	692.52	692.53
BD	12+87.63	0.00	692.02	692.03
CL Pier 19 (Low)	13+02.18	0.00	691.30	691.30
BE	13+12.18	0.00	690.80	690.81
BF	13+22.18	0.00	690.30	690.31
CL Pier 20 (Low)	13+36.75	0.00	689.57	689.57
BG	13+46.75	0.00	689.07	689.07
BH	13+56.75	0.00	688.57	688.57
CL Pier 26	13+68.75	0.00	687.97	687.97
BI	13+78.75	0.00	687.47	687.48
BJ	13+88.75	0.00	686.97	686.98
End of Slab	14+00.00	0.00	686.40	686.40

TOE OF RT. CURB



DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below.

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USER NAME =	DESIGNED - EJW	REVISED -
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PLOT DATE =	DRAWN - EJW	REVISED -
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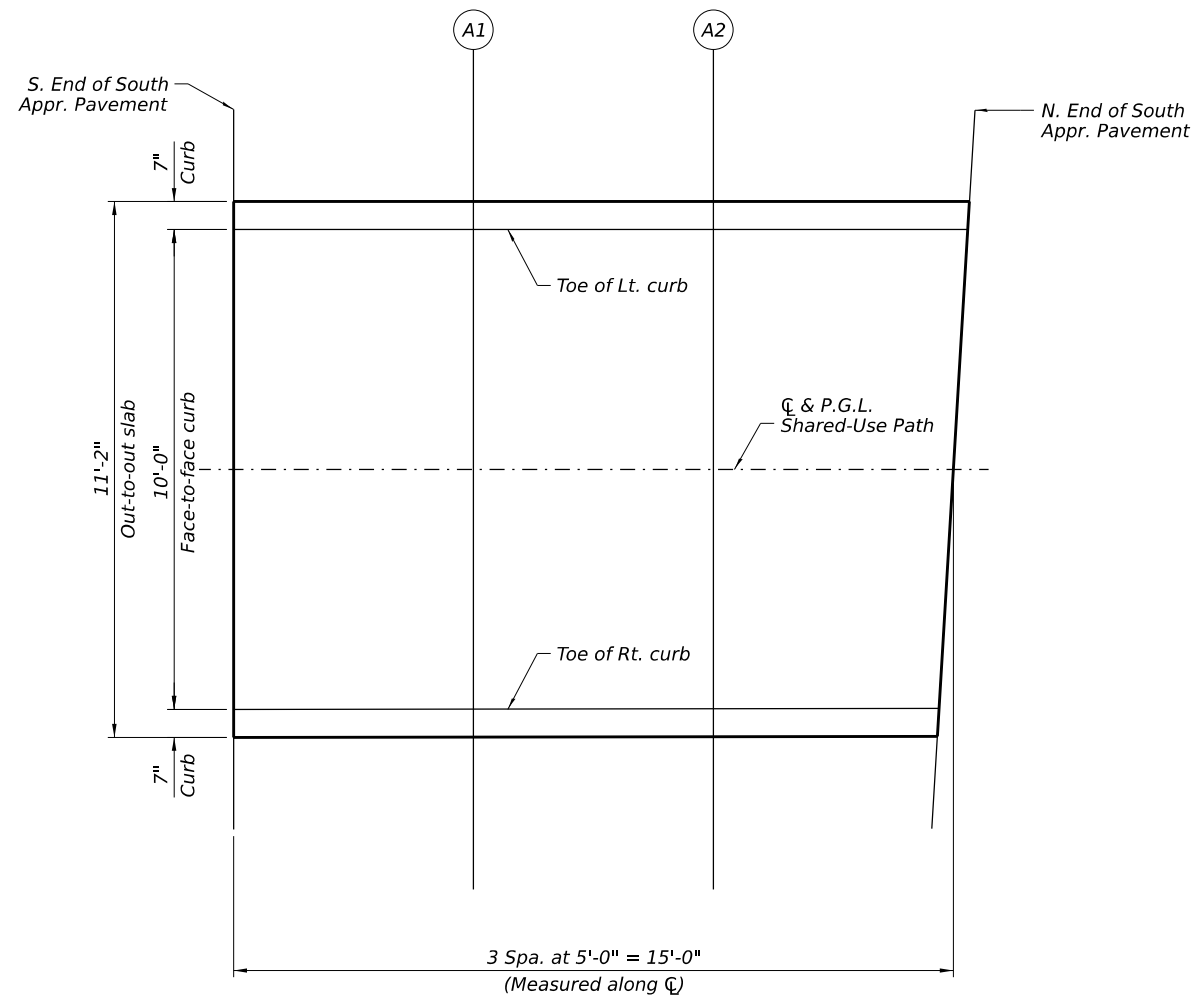
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS 4
STRUCTURE NO. 016-7542

SHEET 5-14 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	85
CONTRACT NO.			61M15	
ILLINOIS			FED. AID PROJECT	

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PLAN

TOE OF LT. CURB

Location	Station	Offset	Theoretical Grade Elevations
S. End of South Appr. Pavement	02+13.84	5.00 Lt.	684.49
A1	02+18.84	5.00 Lt.	684.74
A2	02+23.84	5.00 Lt.	684.99
N. End of South Appr. Pavement	02+28.84	5.00 Lt.	685.24

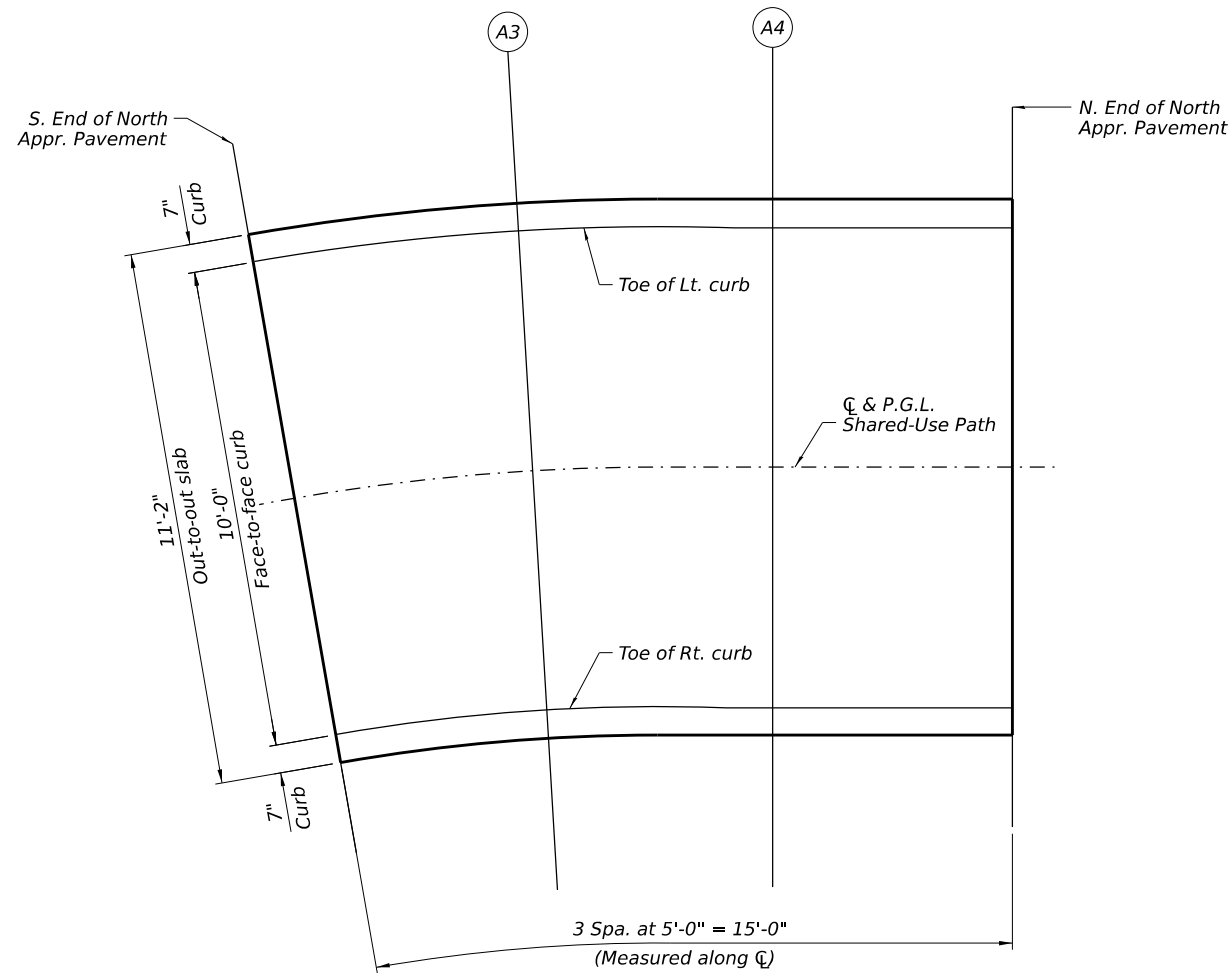
CL & P.G.L. SHARED-USE PATH

Location	Station	Offset	Theoretical Grade Elevations
S. End of South Appr. Pavement	02+13.84	0.00	684.59
A1	02+18.84	0.00	684.84
A2	02+23.84	0.00	685.09
N. End of South Appr. Pavement	02+28.84	0.00	685.34

TOE OF RT. CURB

Location	Station	Offset	Theoretical Grade Elevations
S. End of South Appr. Pavement	02+13.84	5.00 Rt.	684.49
A1	02+18.84	5.00 Rt.	684.74
A2	02+23.84	5.00 Rt.	684.99
N. End of South Appr. Pavement	02+28.84	5.00 Rt.	685.24

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PLAN

TOE OF LT. CURB

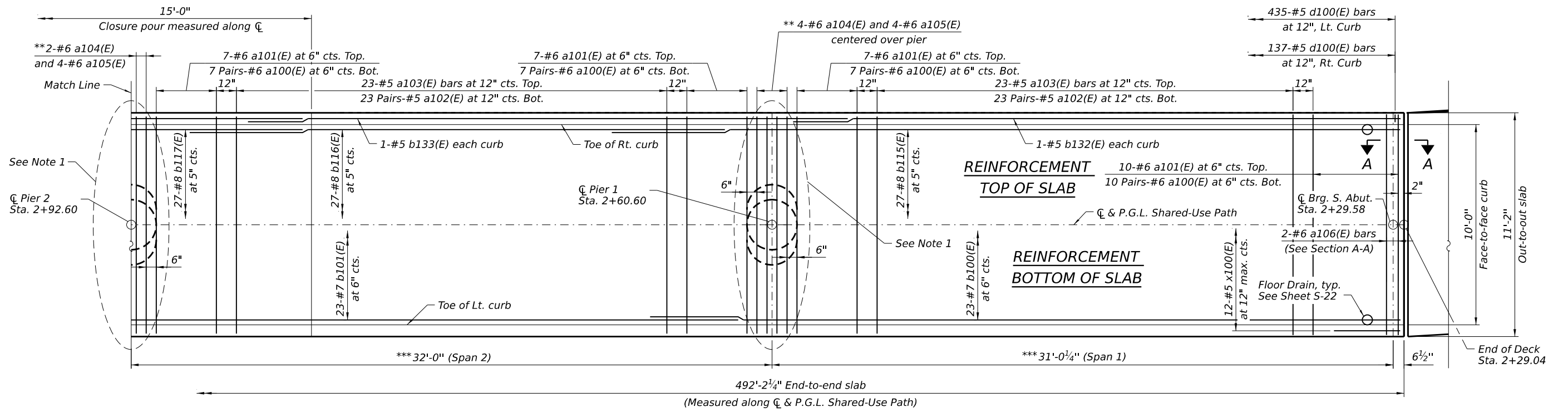
Location	Station	Offset	Theoretical Grade Elevations
S. End of North Appr. Pavement	14+00.19	5.00 Lt.	686.30
A3	14+05.19	5.00 Lt.	686.05
A4	14+10.19	5.00 Lt.	685.80
N. End of North Appr. Pavement	14+15.19	5.00 Lt.	685.55

C & P.G.L. SHARED-USE PATH

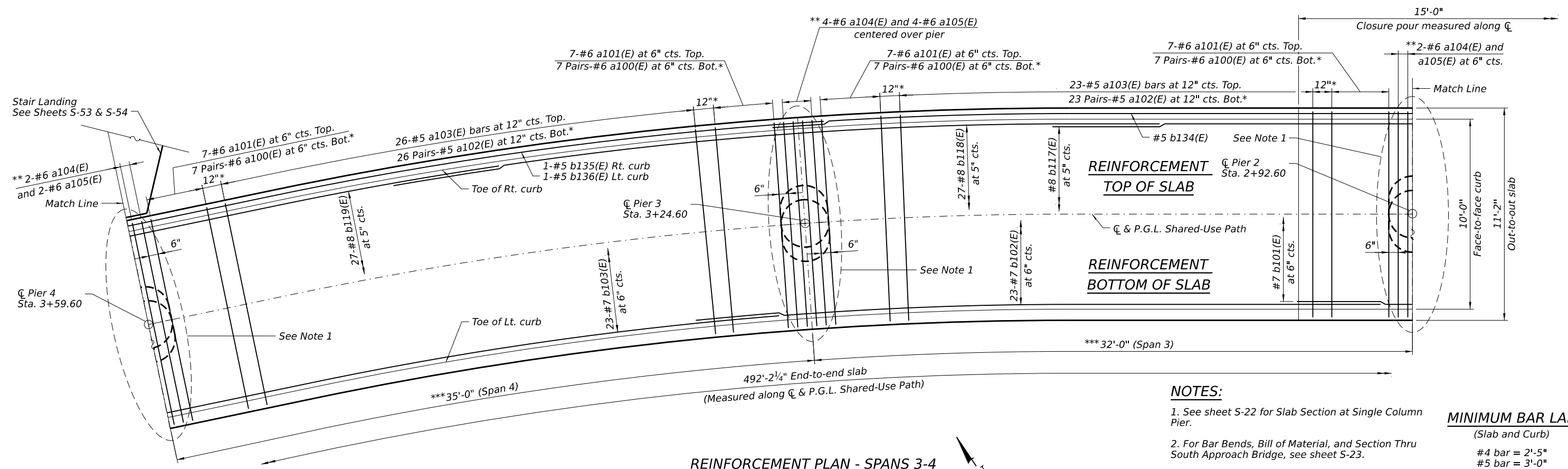
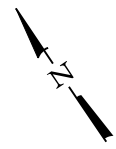
Location	Station	Offset	Theoretical Grade Elevations
S. End of North Appr. Pavement	14+00.19	0.00	686.40
A3	14+05.19	0.00	686.15
A4	14+10.19	0.00	685.90
N. End of North Appr. Pavement	14+15.19	0.00	685.65

TOE OF RT. CURB

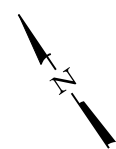
Location	Station	Offset	Theoretical Grade Elevations
S. End of North Appr. Pavement	14+00.19	5.00 Rt.	686.30
A3	14+05.19	5.00 Rt.	686.05
A4	14+10.19	5.00 Rt.	685.80
N. End of North Appr. Pavement	14+15.19	5.00 Rt.	685.55



REINFORCEMENT PLAN - SPANS 1-2



REINFORCEMENT PLAN - SPANS 3-4



* Spacing measured along \bar{C} & P.G.L. Shared-Use Path
 ** Space to miss column reinforcement with a maximum spacing of 7".
 *** (Measured along \bar{C} & P.G.L. Shared-Use Path)

- NOTES:**
- See sheet S-22 for Slab Section at Single Column Pier.
 - For Bar Bends, Bill of Material, and Section Thru South Approach Bridge, see sheet S-23.
 - Bars indicated thus 19x5-#5 etc. indicates 19 lines of bars with 5 legs per line.
 - For Section A-A, see sheet S-21.
- MINIMUM BAR LAP**
 (Slab and Curb)
- #4 bar = 2'-5"
 - #5 bar = 3'-0"
 - #6 bar = 3'-7"
 - #7 bar = 4'-8"
 - #8 bar = 6'-9"
 - #9 bar = 8'-7"

MODEL: \$MODELNAME\$ FILE NAME: p:\ciorba-pw-bentley.com\ciorba-pw-01\Documents\Projects\IL_Municipalities\Mount Prospect\0021717.01-XXXX-17-SlabDetails_1.dgn

CiorbaGroup
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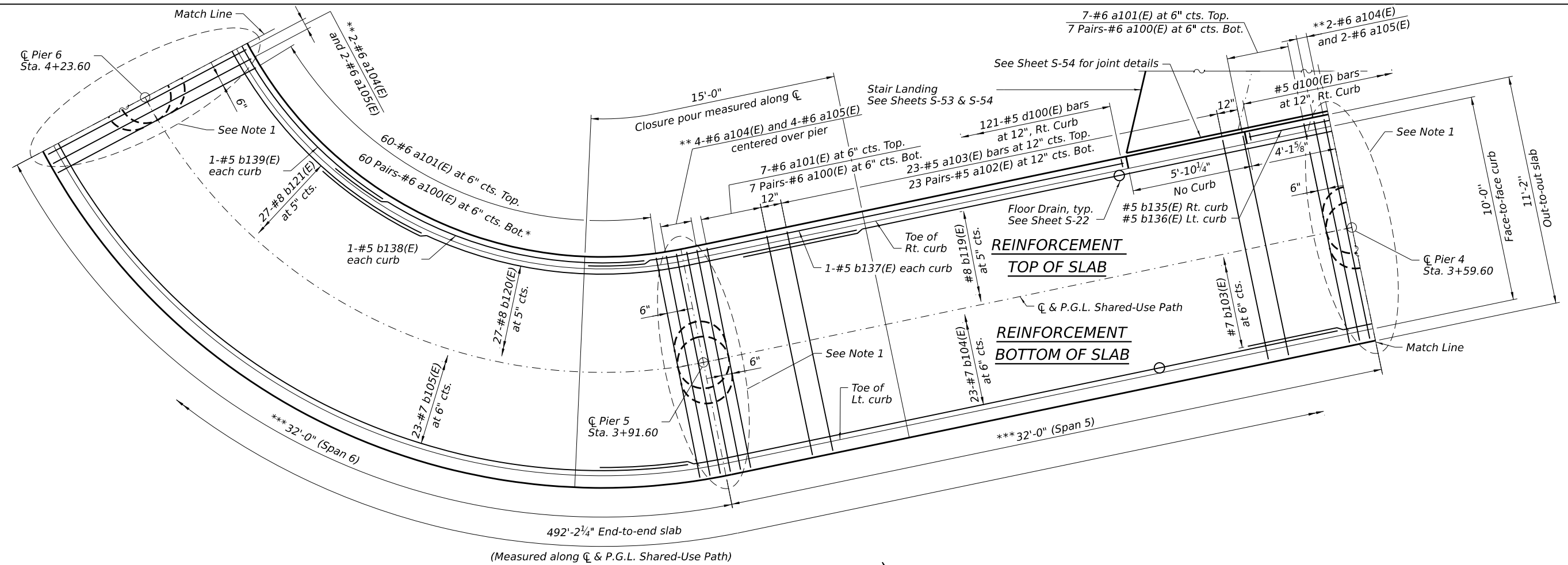
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PLOT DATE =	CHECKED - JMK	REVISED -

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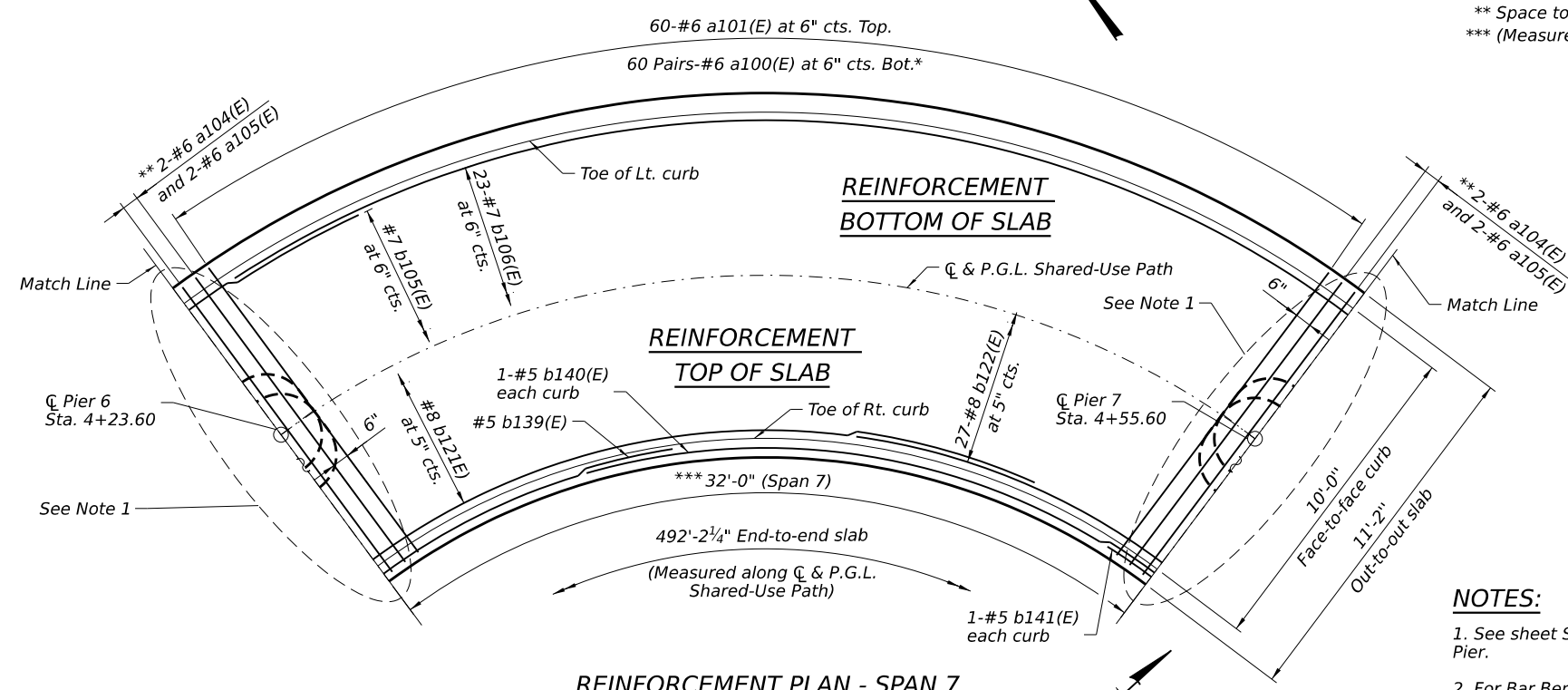
**SLAB DETAILS 1
 STRUCTURE NO. 016-7542**

SHEET 5-17 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	88
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				



REINFORCEMENT PLAN - SPANS 5-6



REINFORCEMENT PLAN - SPAN 7

- * Spacing measured along \bar{C} & P.G.L. Shared-Use Path
- ** Space to miss column reinforcement with a maximum spacing of 7".
- *** (Measured along \bar{C} & P.G.L. Shared-Use Path)

- NOTES:**
1. See sheet S-22 for Slab Section at Single Column Pier.
 2. For Bar Bends, Bill of Material, and Section Thru South Approach Bridge, see sheet S-23.
 3. Bars indicated thus 19x5-#5 etc. indicates 19 lines of bars with 5 legs per line.
- MINIMUM BAR LAP**
(Slab and Curb)
- #4 bar = 2'-5"
 - #5 bar = 3'-0"
 - #6 bar = 3'-7"
 - #7 bar = 4'-8"
 - #8 bar = 6'-9"
 - #9 bar = 8'-7"

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USER NAME =	DESIGNED - EJW	REVISED -
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PLOT DATE =	DRAWN - EJW	REVISED -
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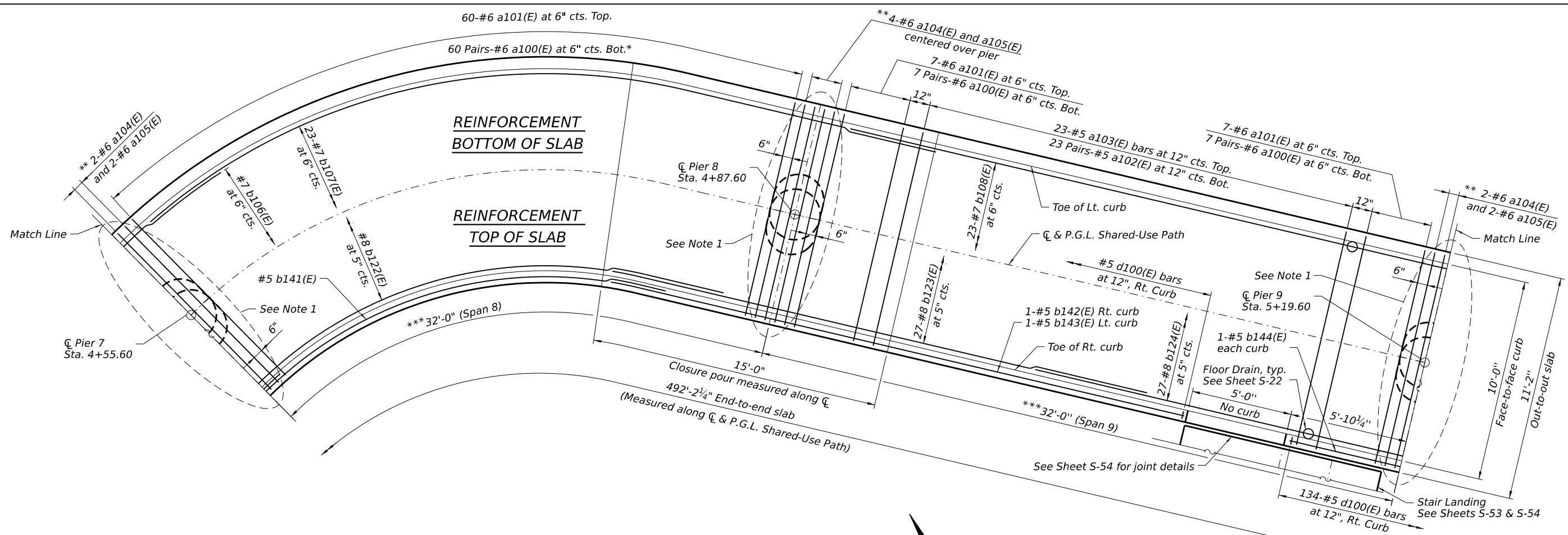
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SLAB DETAILS 2
STRUCTURE NO. 016-7542**

SHEET 5-18 OF 5-68 SHEETS

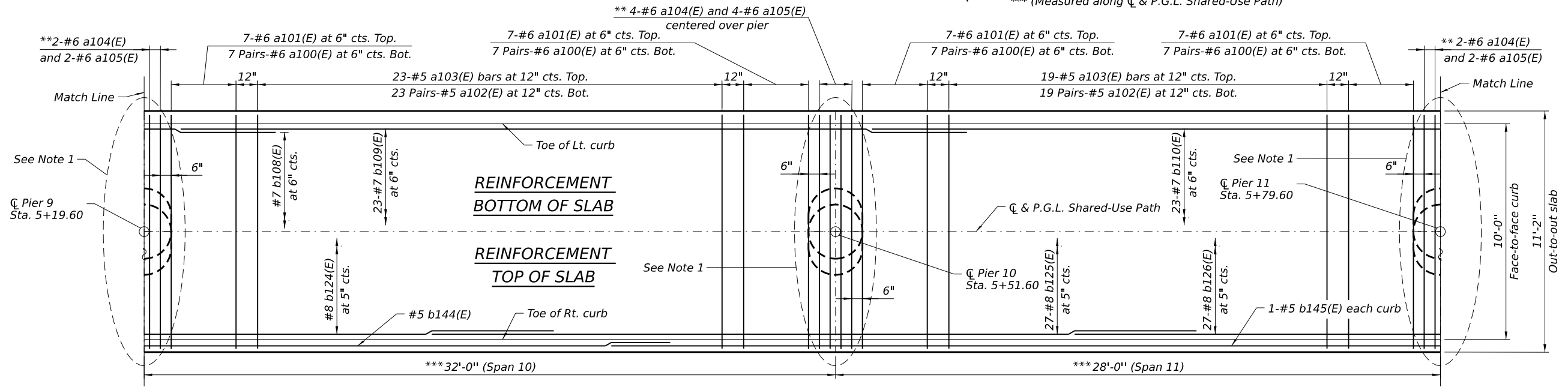
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3512	21-00174-00-BR	COOK	154	89
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

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REINFORCEMENT PLAN - SPANS 8-9

* Spacing measured along \bar{C} & P.G.L. Shared-Use Path
 ** Space to miss column reinforcement with a maximum spacing of 7".
 *** (Measured along \bar{C} & P.G.L. Shared-Use Path)



REINFORCEMENT PLAN - SPAN 10-11

NOTES:
 1. See sheet S-22 for Slab Section at Single Column Pier.
 2. For Bar Bends, Bill of Material, and Section Thru South Approach Bridge, see sheet S-23.
 3. Bars indicated thus 19x5-#5 etc. indicates 19 lines of bars with 5 legs per line.

MINIMUM BAR LAP
 (Slab and Curb)
 #4 bar = 2'-5"
 #5 bar = 3'-0"
 #6 bar = 3'-7"
 #7 bar = 4'-8"
 #8 bar = 6'-9"
 #9 bar = 8'-7"



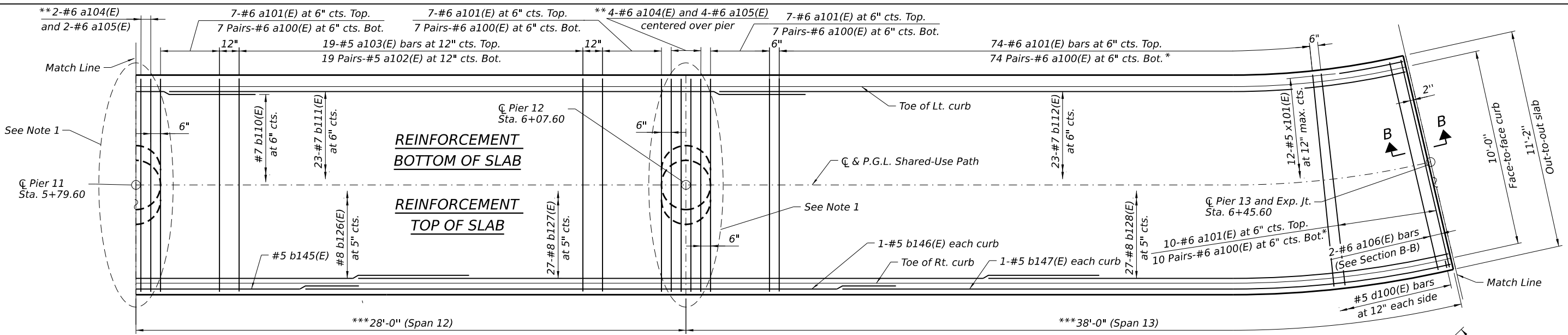
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PLOT SCALE =	CHECKED - JMK	REVISED -
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	CHECKED - JMK	REVISED -

STATE OF ILLINOIS
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SLAB DETAILS 3
 STRUCTURE NO. 016-7542
 SHEET 5-19 OF 5-68 SHEETS

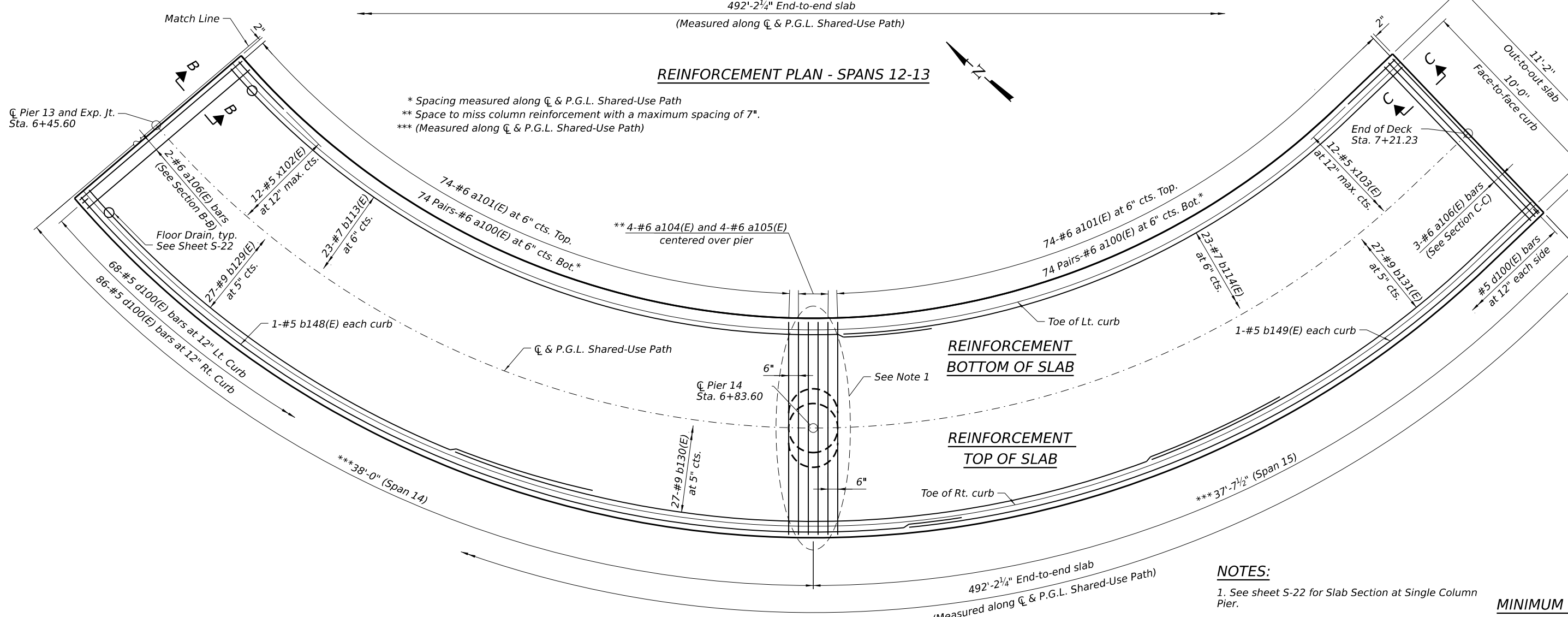
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3512	21-00174-00-BR	COOK	154	90
CONTRACT NO.			61M15	
ILLINOIS			FED. AID PROJECT	

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 1/22/2026 11:23:32 AM



REINFORCEMENT PLAN - SPANS 12-13

- * Spacing measured along \bar{C} & P.G.L. Shared-Use Path
- ** Space to miss column reinforcement with a maximum spacing of 7".
- *** (Measured along \bar{C} & P.G.L. Shared-Use Path)



REINFORCEMENT PLAN - SPAN 14-15

- NOTES:**
- See sheet S-22 for Slab Section at Single Column Pier.
 - For Bar Bends, Bill of Material, and Section Thru South Approach Bridge, see sheet S-23.
 - Bars indicated thus 19x5-#5 etc. indicates 19 lines of bars with 5 legs per line.
 - For Section B-B and C-C, see sheet S-21.
- MINIMUM BAR LAP**
(Slab and Curb)
- #4 bar = 2'-5"
 - #5 bar = 3'-0"
 - #6 bar = 3'-7"
 - #7 bar = 4'-8"
 - #8 bar = 6'-9"
 - #9 bar = 8'-7"



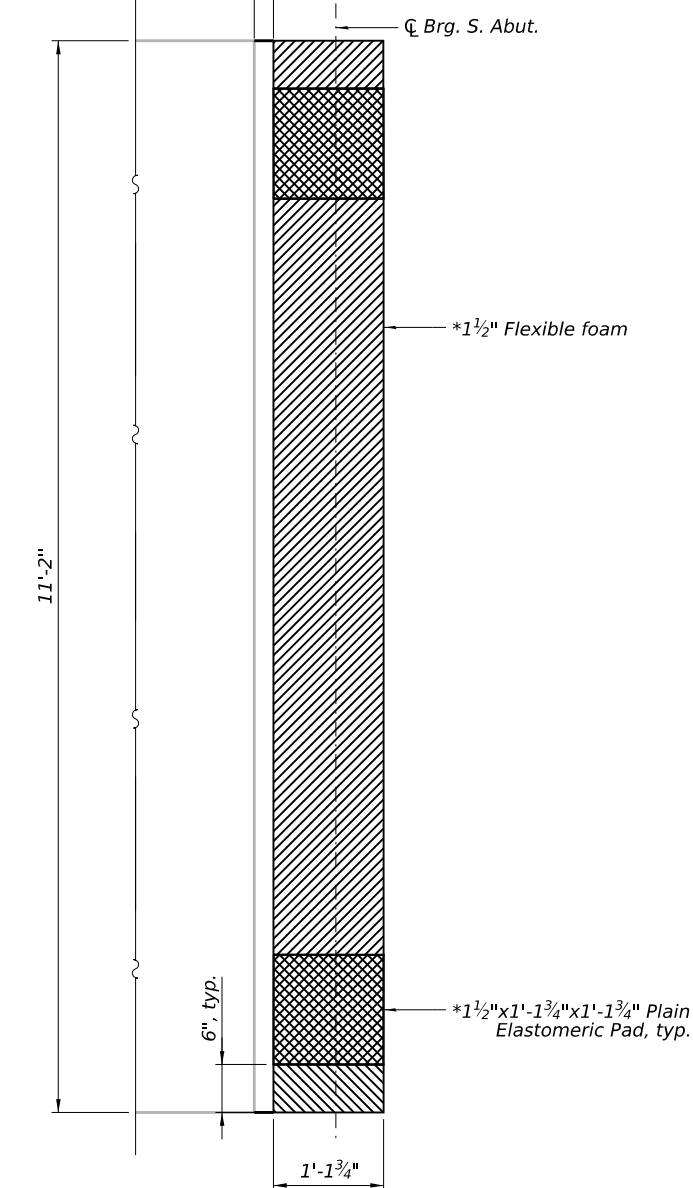
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PLOT DATE =	CHECKED - JMK	REVISED -

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SLAB DETAILS 4
STRUCTURE NO. 016-7542
 SHEET 5-20 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	91
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

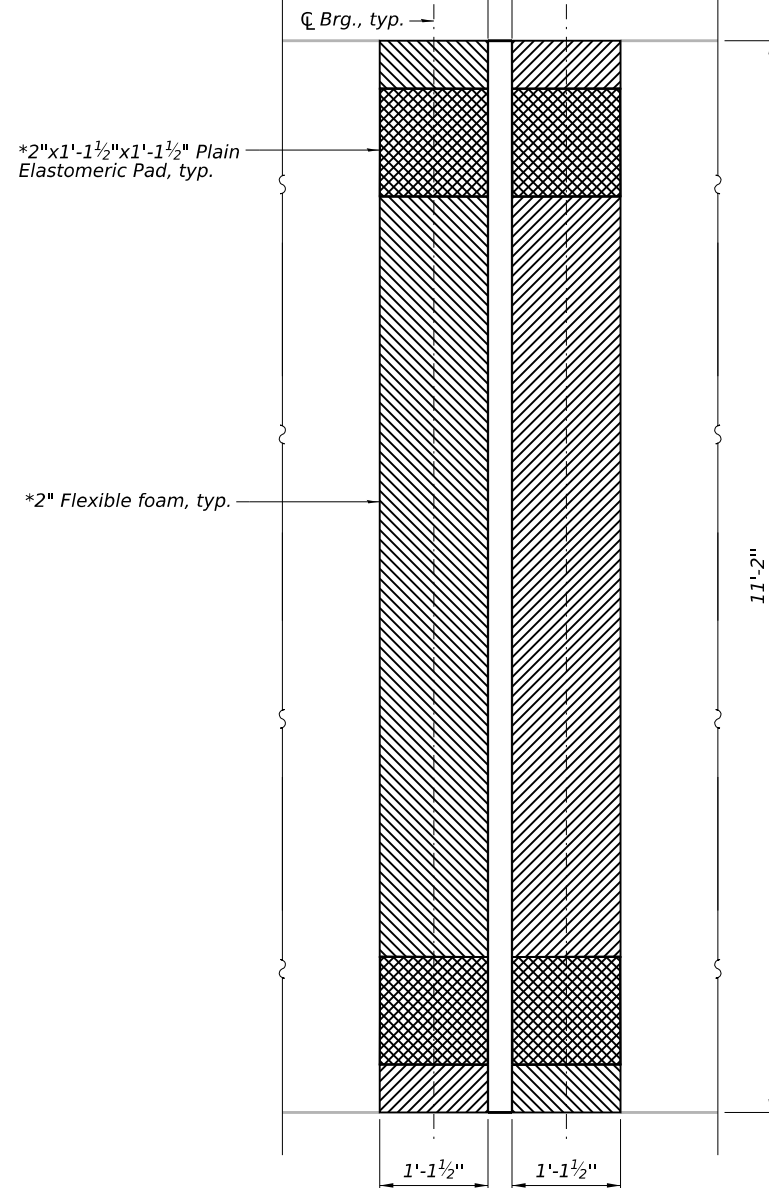
End of Approach Slab End of Approach Bridge



SECTION D-D

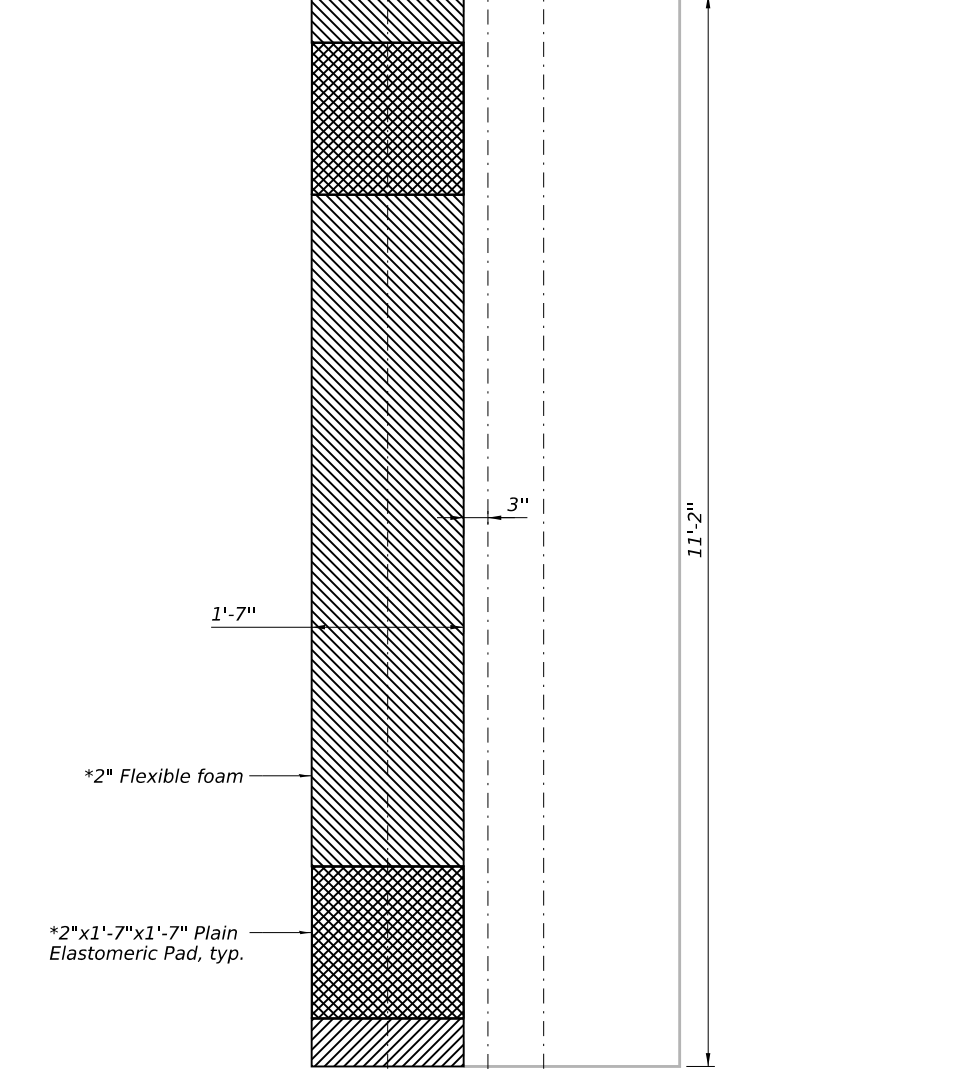
*Cost included with Concrete Superstructures

End of Span 13 End of Span 14

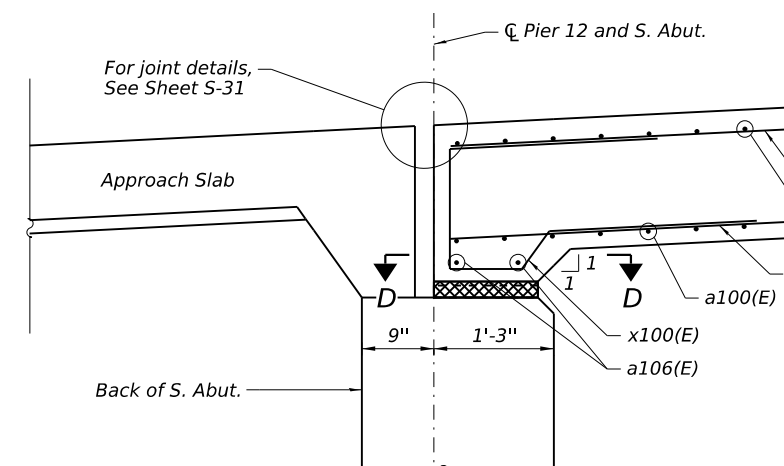


SECTION E-E

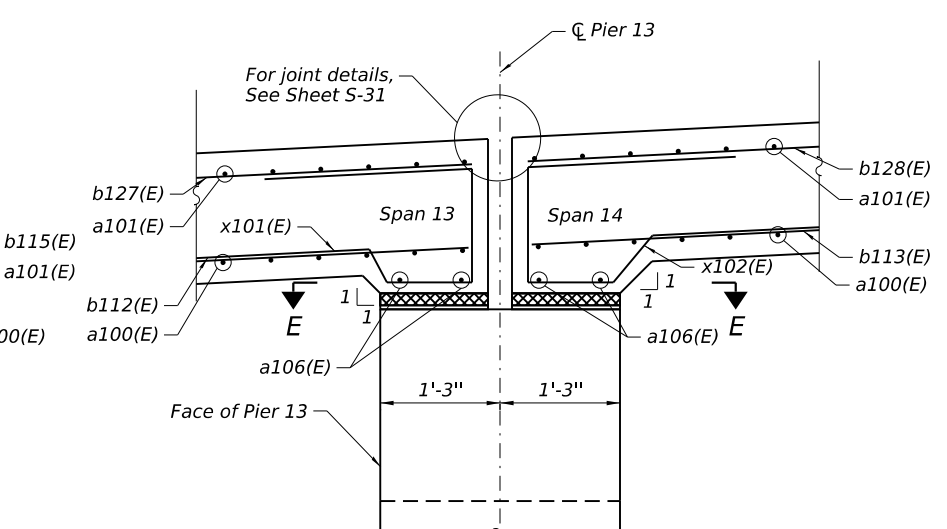
S. Approach Bridge Main Span Bridge (Pedestrian Truss Superstructure)



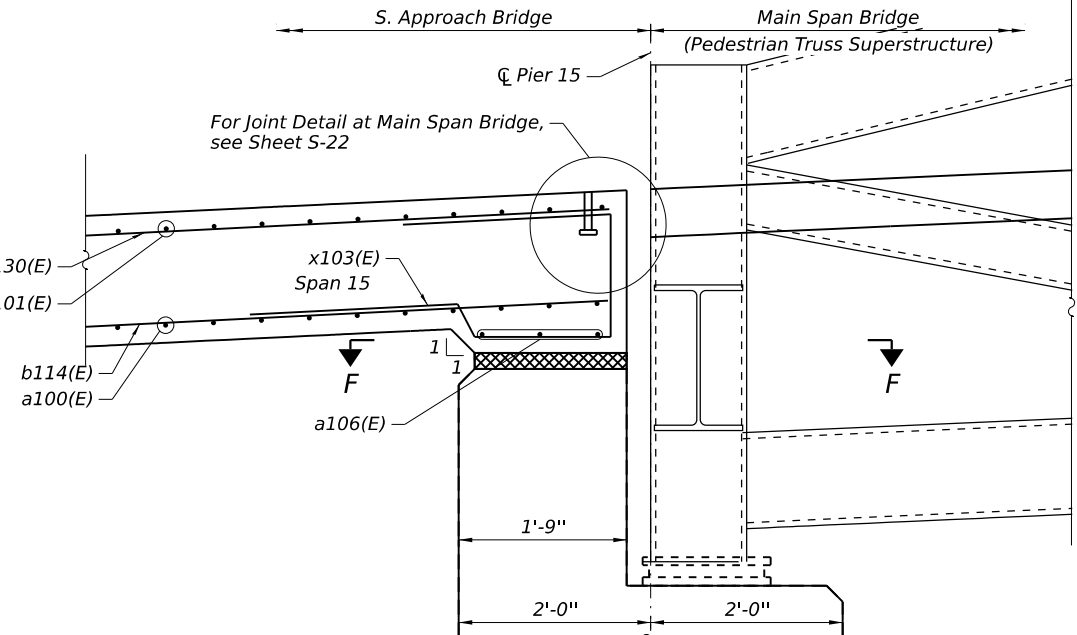
SECTION F-F



SECTION A-A



SECTION B-B



SECTION C-C

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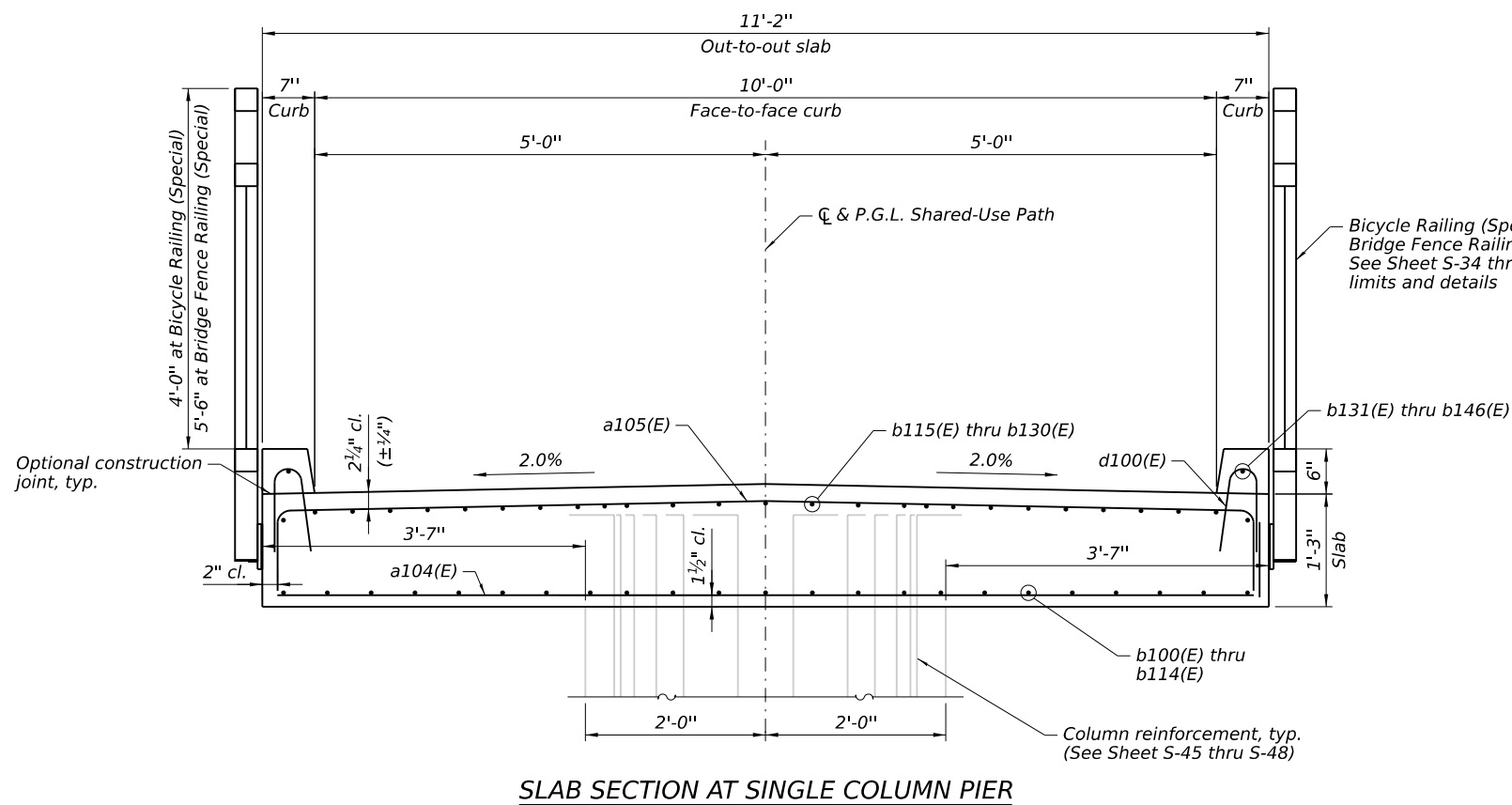
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PLOT SCALE =	CHECKED - JMK	REVISED -
PLOT DATE =	DRAWN - EJW	REVISED -
	CHECKED - JMK	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SLAB DETAILS 5
STRUCTURE NO. 016-7542**
SHEET S-21 OF S-68 SHEETS

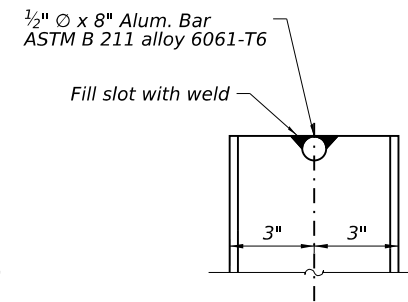
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	92
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

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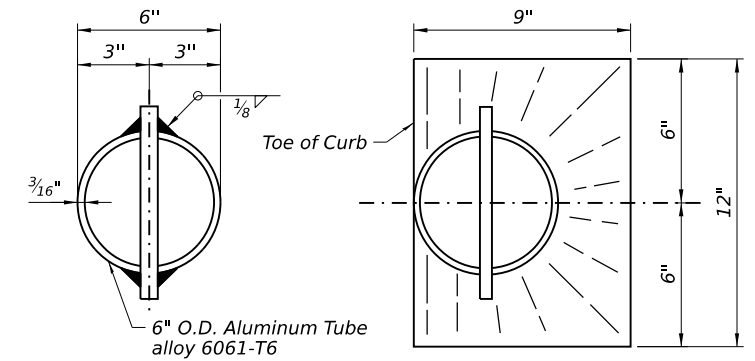


SLAB SECTION AT SINGLE COLUMN PIER

#7 b150(E) or #7 b151(E) (S. Appr. Bridge)
 #7 b241(E) or #7 b242(E) (N. Appr. Bridge)
 bars top and bottom
 4 total per drain



ALUMINUM TUBE

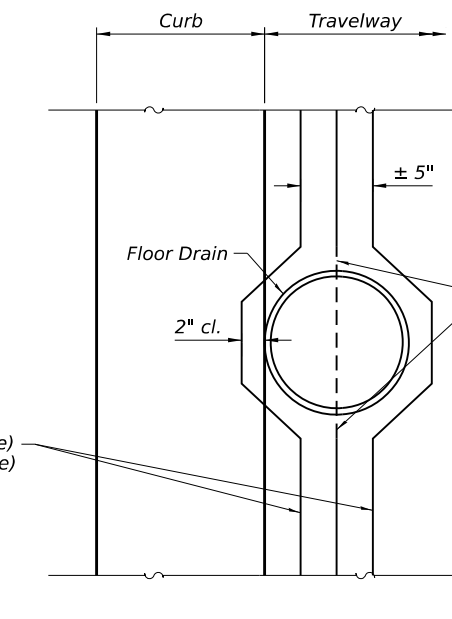


TOP PLAN

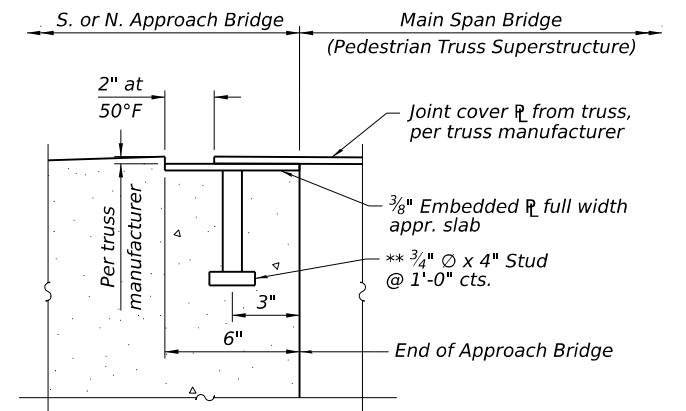
TOP PLAN

NOTES:

1. The exterior surfaces of the fiberglass floor drains shall be pigmented by the manufacturer with a color that matches the stained concrete.
2. The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.

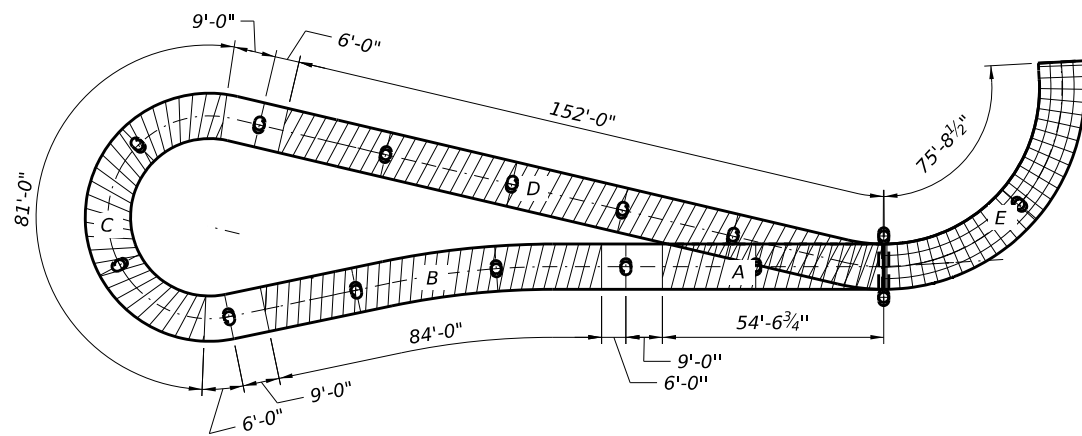


FLOOR DRAIN REINFORCEMENT DETAIL



JOINT DETAIL AT MAIN SPAN BRIDGE

Studs and plates included in the cost of Concrete Superstructure
 ** Granular or solid flux filled headed studs conforming to Article 100632 of the Std. Specs., automatically end welded.



DECK POUR SEQUENCE

DECK POUR SEQUENCE NOTES:

1. Forms shall support the weight of the concrete slab during the deck pour. Forms shall not be stripped until all slab pours are completed and concrete has attained the mix design strength.
2. Slab pours A, B, C, & D may be poured in any order. Closure pours between these pours shall not be poured until 10 days after the last of pours A, B, C, or D is completed.
3. Slab pour E may be poured at any time with respect to pours A, B, C, & D and their closure pours.
4. See Reinforcement Plan (Sheets S-17 thru S-20) for closure pours details.
5. If the Contractor wishes to alter the slab pouring sequence from the sequence shown, the Contractor shall submit a proposed deck pouring sequence to the Engineer for review and acceptance.
6. Longitudinal dimensions are measured along C Multi-Use Path U.N.O.



USER NAME =	DESIGNED - EJW	REVISED -
CHECKED - JMK	REVISED -	
PLOT SCALE =	DRAWN - EJW	REVISED -
PLOT DATE =	CHECKED - JMK	REVISED -

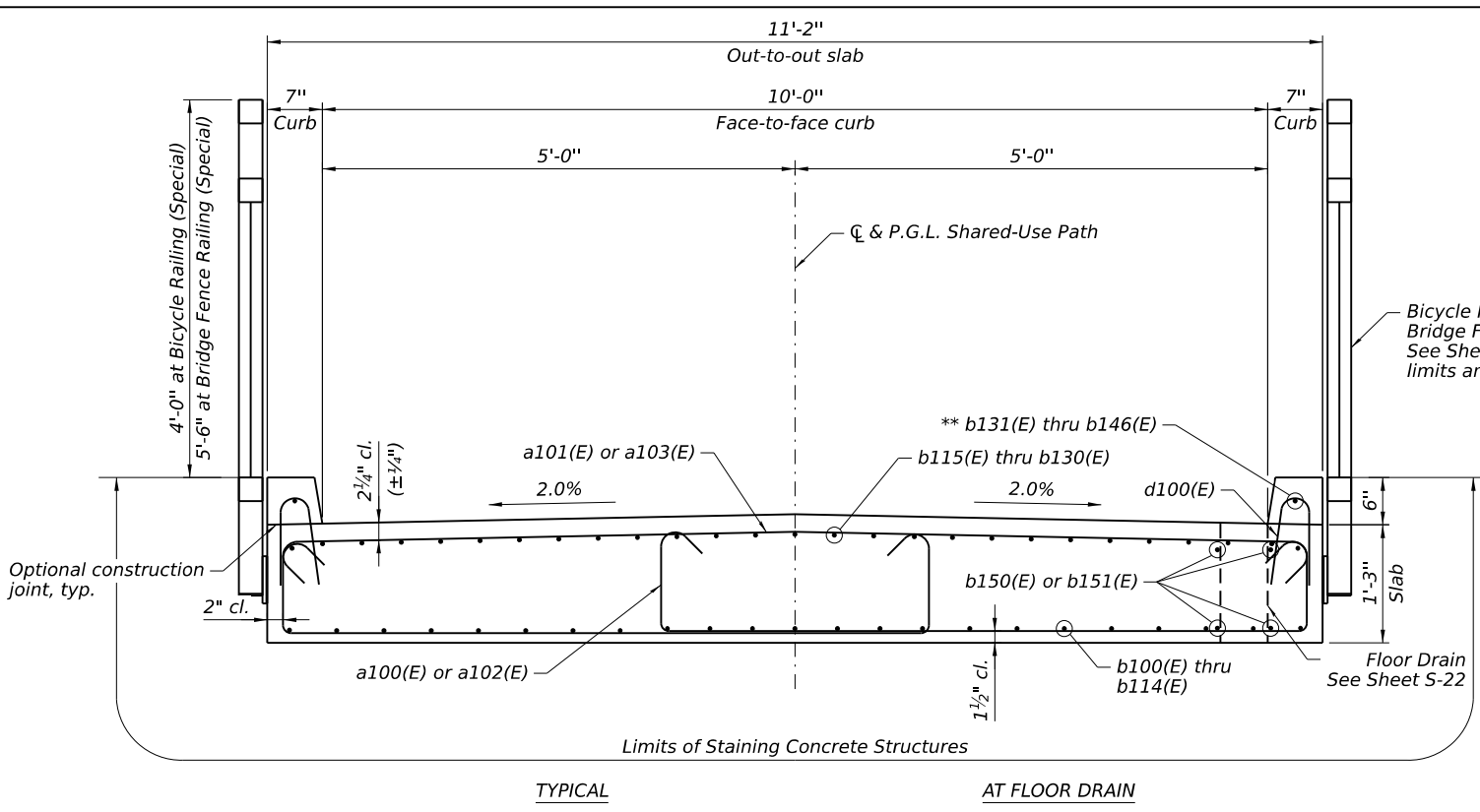
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SLAB DETAILS 6
 STRUCTURE NO. 016-7542**

SHEET 5-22 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	93
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				

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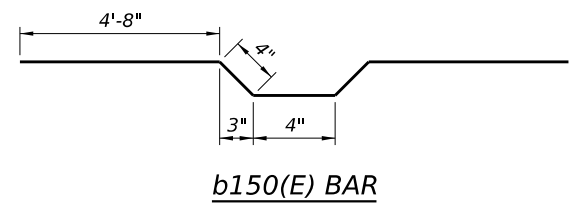
TYPICAL AT FLOOR DRAIN
TYPICAL SLAB SECTION THRU SOUTH APPROACH BRIDGE

** #5 curb bars (b131(E) thru b146(E)) shall be sprung into place to account for the radius of the bridge

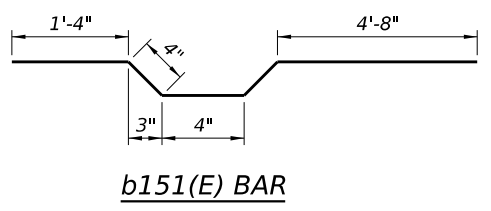
FLOOR DRAIN BAR TABLE

Floor Drain ID	Bar
1	b151(E)
2	b151(E)
3	b150(E)
4	b150(E)
5	b150(E)
6	b150(E)
7	b151(E)
8	b151(E)

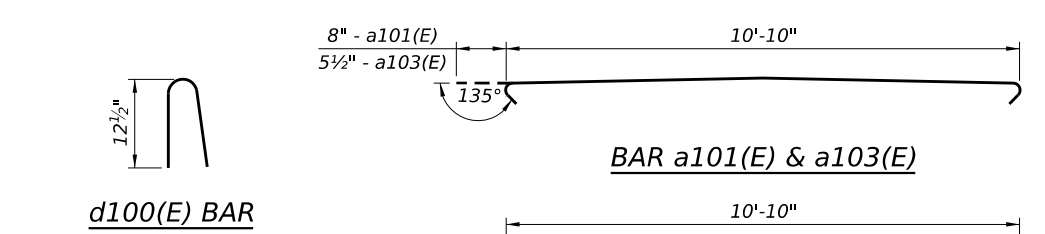
See Sheet S-3 for Floor Drain ID



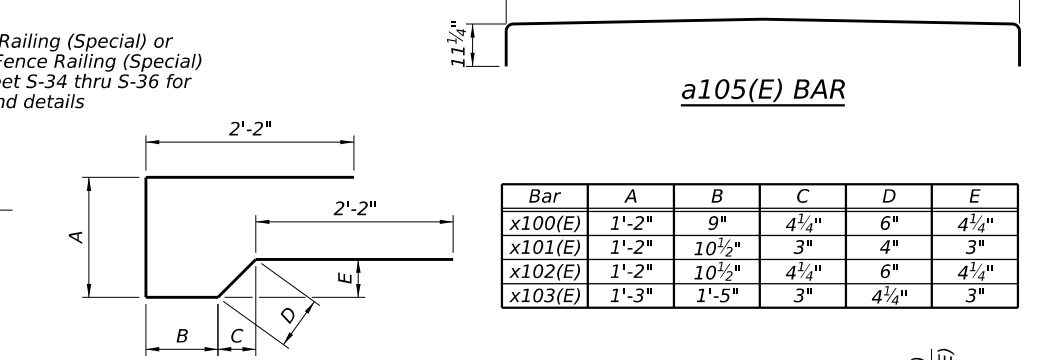
b150(E) BAR



b151(E) BAR



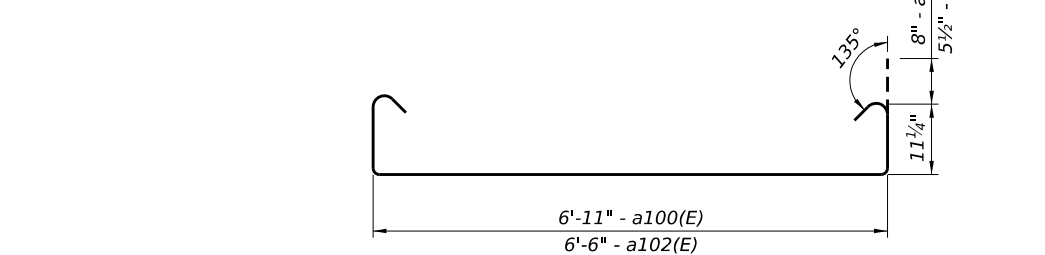
d100(E) BAR



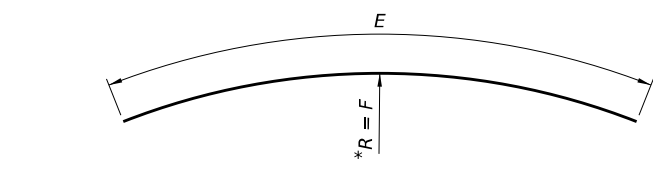
a105(E) BAR

Bar	A	B	C	D	E
x100(E)	1'-2"	9"	4 1/4"	6"	4 1/4"
x101(E)	1'-2"	10 1/2"	3"	4"	3"
x102(E)	1'-2"	10 1/2"	4 1/4"	6"	4 1/4"
x103(E)	1'-3"	1'-5"	3"	4 1/4"	3"

BAR x100(E), x101(E), x102(E), x103(E)



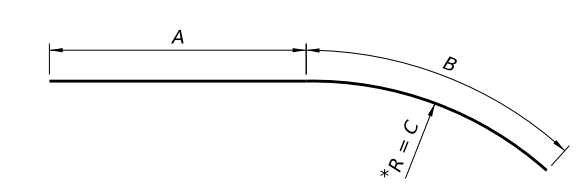
BAR a100(E) & a102(E)



BAR b105(E), b106(E), b113(E), b121(E), b129(E), b130(E), b138(E), b139(E), b140(E), & b141(E)

Bar	E	F
b105(E)	43'-11"	25'-0"
b106(E)	43'-11"	25'-0"
b113(E)	50'-0"	44'-0"
b121(E)	50'-0"	25'-0"
b129(E)	31'-5"	44'-0"
b130(E)	46'-0"	44'-0"
b138(E)	23'-5"	25'-0"
b139(E)	31'-1"	25'-0"
b140(E)	30'-6"	25'-0"
b141(E)	34'-4"	25'-0"

* The bend radius corresponds to the bridge centerline. The bar radius will vary across the width of the bridge.



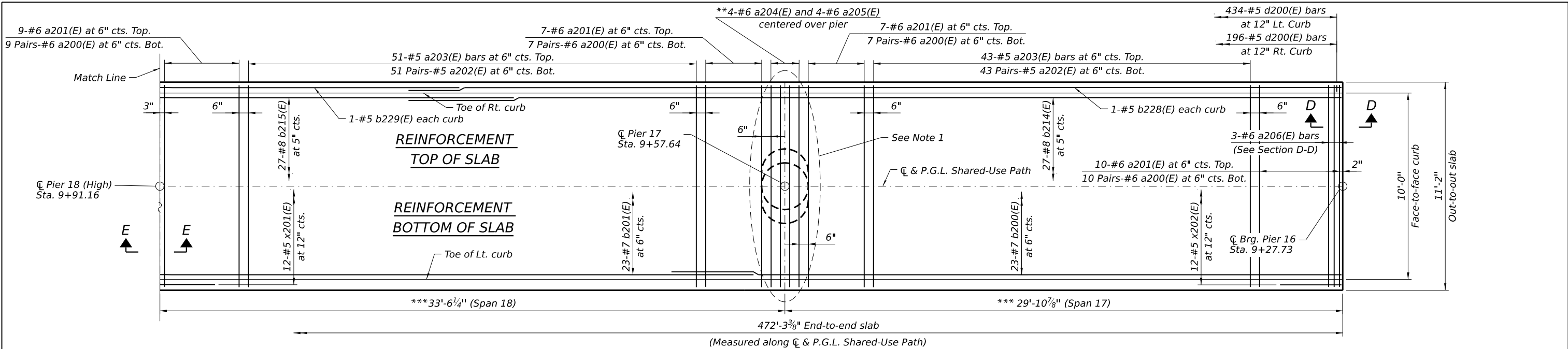
BAR b104(E), b107(E), b112(E), b114(E), b120(E), b122(E), b123(E), b128(E), b131(E), b137(E), b142(E), & b143(E)

Bar	A	B	C
b104(E)	30'-5"	6'-5"	25'-0"
b107(E)	12'-10"	29'-4"	25'-0"
b112(E)	26'-5"	11'-4"	44'-0"
b114(E)	4'-1"	36'-3"	44'-0"
b120(E)	8'-8"	27'-2"	25'-0"
b122(E)	4'-3"	45'-9"	25'-0"
b123(E)	25'-9"	2'-7"	25'-0"
b128(E)	13'-7"	11'-2"	44'-0"
b131(E)	4'-1"	21'-0"	44'-0"
b137(E)	22'-2"	7'-5"	25'-0"
b142(E)	27'-10"	2'-7"	25'-0"
b143(E)	36'-3"	2'-7"	25'-0"

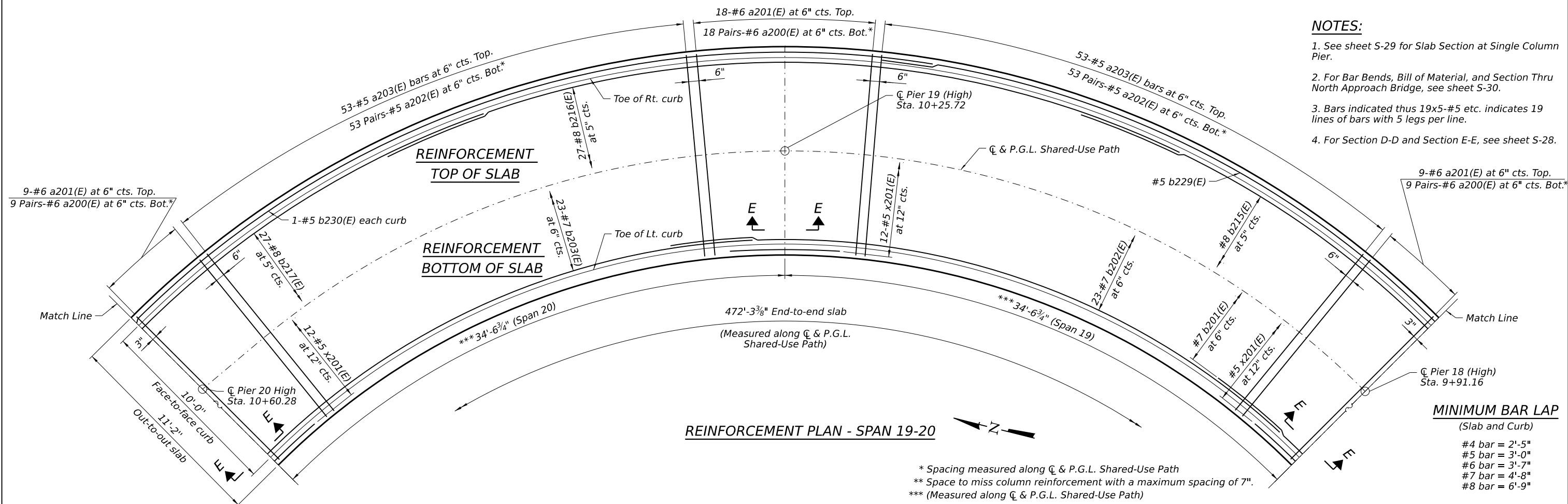
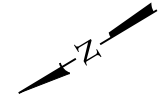
* The bend radius corresponds to the bridge centerline. The bar radius will vary across the width of the bridge.

BILL OF MATERIAL

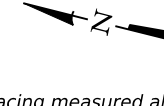
Bar	No.	Size	Length	Shape
a100(E)	1096	#6	10'-2"	U
a101(E)	548	#6	12'-2"	U
a102(E)	404	#5	9'-4"	U
a103(E)	202	#5	11'-9"	U
a104(E)	52	#6	10'-10"	U
a105(E)	52	#6	12'-9"	U
a106(E)	9	#6	10'-10"	U
b100(E)	23	#7	37'-7"	U
b101(E)	23	#7	36'-9"	U
b102(E)	23	#7	37'-4"	U
b103(E)	23	#7	40'-5"	U
b104(E)	23	#7	36'-10"	U
b105(E)	23	#7	43'-11"	U
b106(E)	23	#7	43'-11"	U
b107(E)	23	#7	42'-2"	U
b108(E)	23	#7	36'-9"	U
b109(E)	23	#7	36'-9"	U
b110(E)	23	#7	32'-9"	U
b111(E)	23	#7	32'-9"	U
b112(E)	23	#7	37'-9"	U
b113(E)	23	#7	50'-0"	U
b114(E)	23	#7	40'-4"	U
b115(E)	27	#8	40'-2"	U
b116(E)	27	#8	27'-10"	U
b117(E)	27	#8	27'-10"	U
b118(E)	27	#8	42'-8"	U
b119(E)	27	#8	50'-0"	U
b120(E)	27	#8	35'-10"	U
b121(E)	27	#8	50'-0"	U
b122(E)	27	#8	50'-0"	U
b123(E)	27	#8	28'-4"	U
b124(E)	27	#8	38'-9"	U
b125(E)	27	#8	36'-6"	U
b126(E)	27	#8	35'-0"	U
b127(E)	27	#8	38'-10"	U
b128(E)	27	#8	24'-9"	U
b129(E)	27	#9	31'-5"	U
b130(E)	27	#9	46'-0"	U
b131(E)	27	#9	25'-1"	U
b132(E)	2	#5	30'-3"	U
b133(E)	2	#5	30'-3"	U
b134(E)	2	#5	42'-7"	U
b135(E)	1	#5	41'-5"	U
b136(E)	1	#5	50'-0"	U
b137(E)	2	#5	29'-7"	U
b138(E)	2	#5	23'-5"	U
b139(E)	2	#5	31'-1"	U
b140(E)	2	#5	30'-6"	U
b141(E)	2	#5	34'-4"	U
b142(E)	1	#5	30'-5"	U
b143(E)	1	#5	38'-10"	U
b144(E)	1	#5	30'-0"	U
b145(E)	2	#5	50'-0"	U
b146(E)	2	#5	30'-5"	U
b147(E)	2	#5	31'-4"	U
b148(E)	2	#5	50'-0"	U
b149(E)	2	#5	37'-2"	U
b150(E)	16	#7	10'-4"	U
b151(E)	16	#7	7'-0"	U
d100(E)	981	#5	2'-1"	U
x100(E)	12	#5	6'-9"	U
x101(E)	12	#5	6'-9"	U
x102(E)	12	#5	6'-11"	U
x103(E)	12	#5	7'-5"	U
Concrete Superstructure		Cu. Yd.	266	
Protective Coat		Sq. Yd.	666	
Reinforcement Bars, Epoxy Coated		Pound	114,250	
Staining Concrete Structures		Sq. Ft.	7,219	



REINFORCEMENT PLAN - SPANS 17-18



REINFORCEMENT PLAN - SPAN 19-20



- NOTES:**
1. See sheet S-29 for Slab Section at Single Column Pier.
 2. For Bar Bends, Bill of Material, and Section Thru North Approach Bridge, see sheet S-30.
 3. Bars indicated thus 19x5-#5 etc. indicates 19 lines of bars with 5 legs per line.
 4. For Section D-D and Section E-E, see sheet S-28.

MINIMUM BAR LAP
(Slab and Curb)

#4 bar	= 2'-5"
#5 bar	= 3'-0"
#6 bar	= 3'-7"
#7 bar	= 4'-8"
#8 bar	= 6'-9"

* Spacing measured along \bar{C} & P.G.L. Shared-Use Path
 ** Space to miss column reinforcement with a maximum spacing of 7"
 *** (Measured along \bar{C} & P.G.L. Shared-Use Path)

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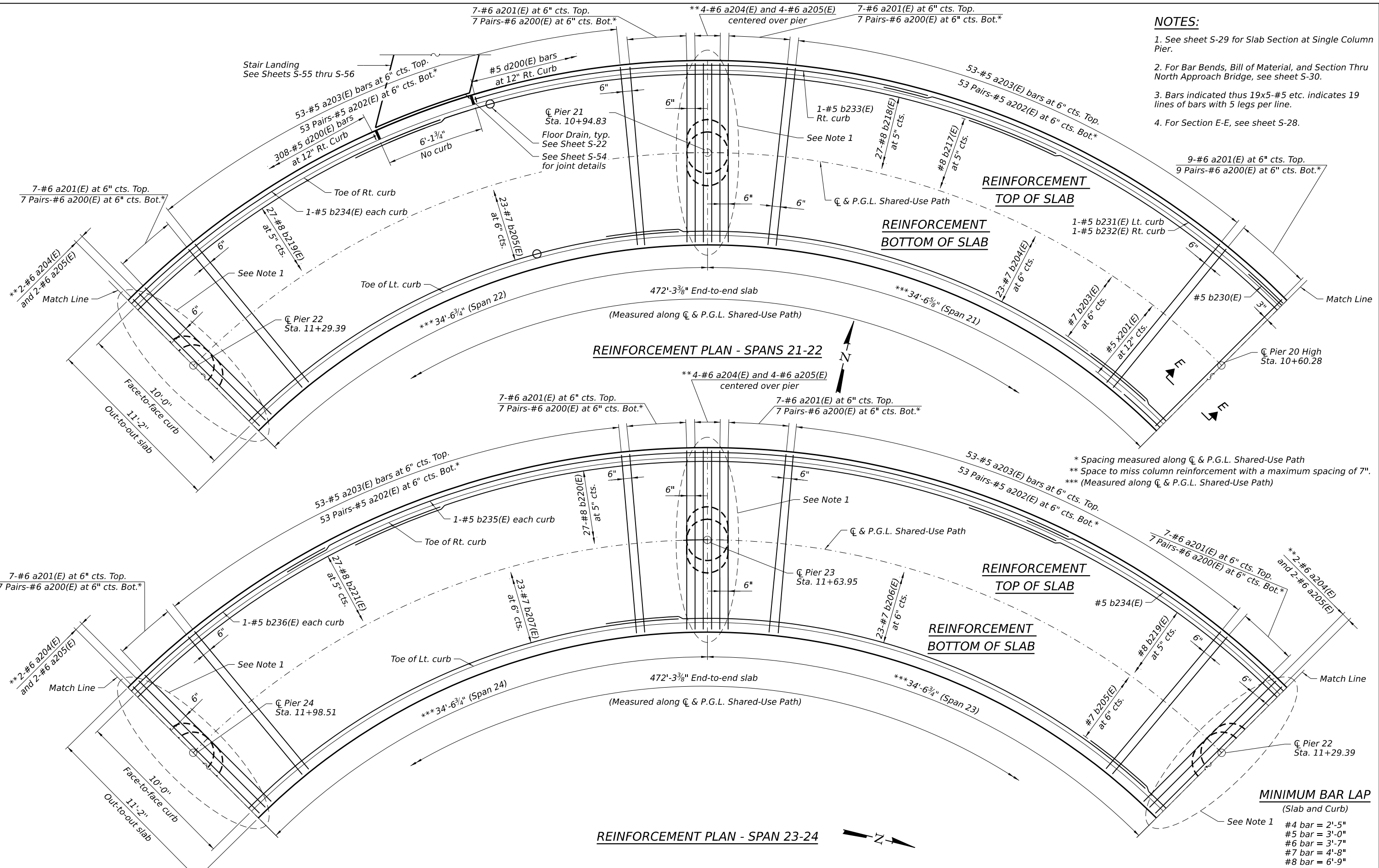
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SLAB DETAILS 8
 STRUCTURE NO. 016-7542
 SHEET 5-24 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	95
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				

NOTES:

1. See sheet S-29 for Slab Section at Single Column Pier.
2. For Bar Bends, Bill of Material, and Section Thru North Approach Bridge, see sheet S-30.
3. Bars indicated thus 19x5-#5 etc. indicates 19 lines of bars with 5 legs per line.
4. For Section E-E, see sheet S-28.



* Spacing measured along \bar{C} & P.G.L. Shared-Use Path
 ** Space to miss column reinforcement with a maximum spacing of 7".
 *** (Measured along \bar{C} & P.G.L. Shared-Use Path)

MINIMUM BAR LAP
(Slab and Curb)

See Note 1

#4 bar	= 2'-5"
#5 bar	= 3'-0"
#6 bar	= 3'-7"
#7 bar	= 4'-8"
#8 bar	= 6'-9"

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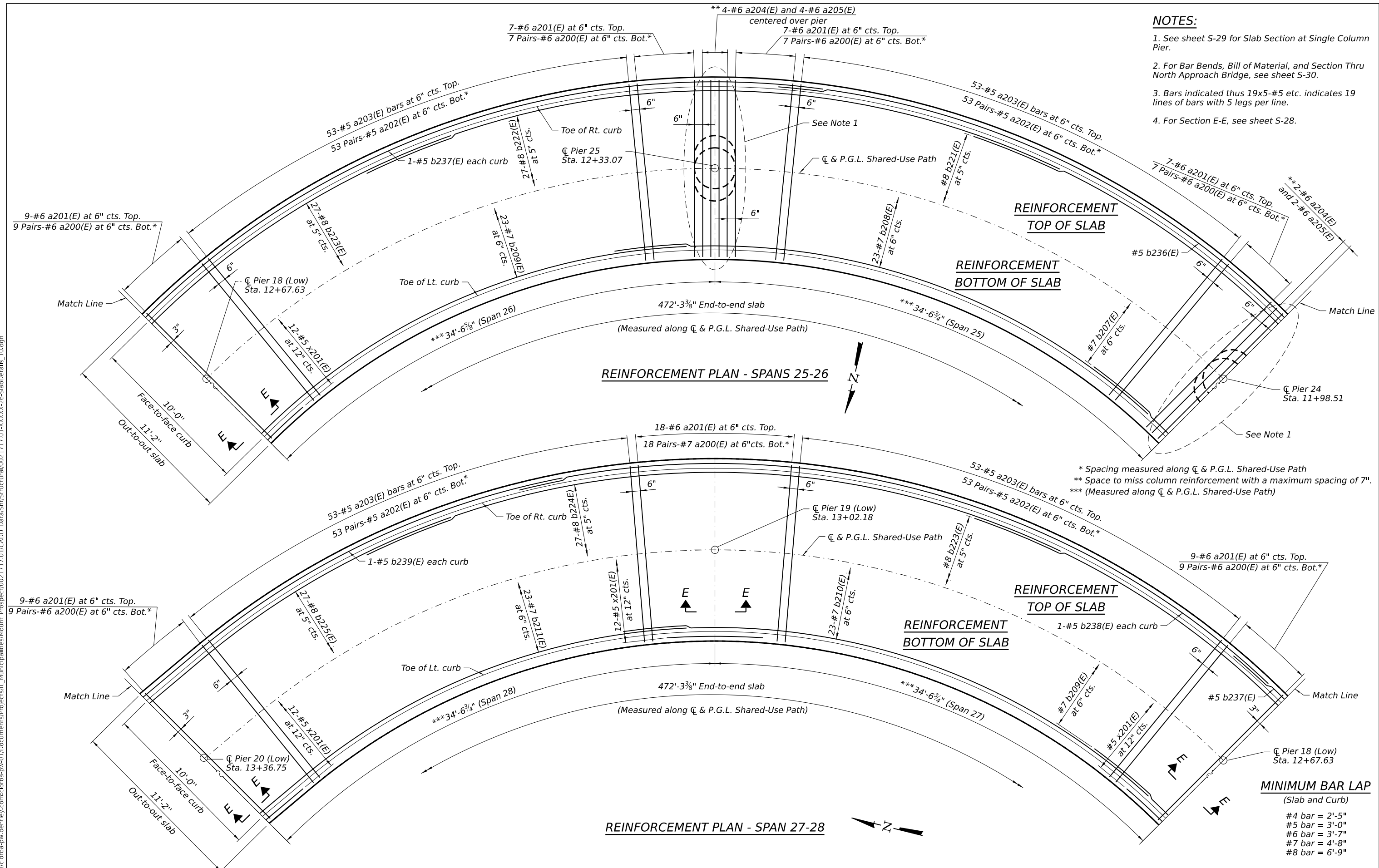
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SLAB DETAILS 9
STRUCTURE NO. 016-7542
 SHEET S-25 OF S-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	96
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				

NOTES:

1. See sheet S-29 for Slab Section at Single Column Pier.
2. For Bar Bends, Bill of Material, and Section Thru North Approach Bridge, see sheet S-30.
3. Bars indicated thus 19x5-#5 etc. indicates 19 lines of bars with 5 legs per line.
4. For Section E-E, see sheet S-28.



* Spacing measured along \bar{C} & P.G.L. Shared-Use Path
 ** Space to miss column reinforcement with a maximum spacing of 7\"/>

MINIMUM BAR LAP
(Slab and Curb)

#4 bar	= 2'-5"
#5 bar	= 3'-0"
#6 bar	= 3'-7"
#7 bar	= 4'-8"
#8 bar	= 6'-9"

MODEL: \$MODELNAMES
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CiorbaGroup
 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631
 P 773.775.4009 | www.ciorba.com

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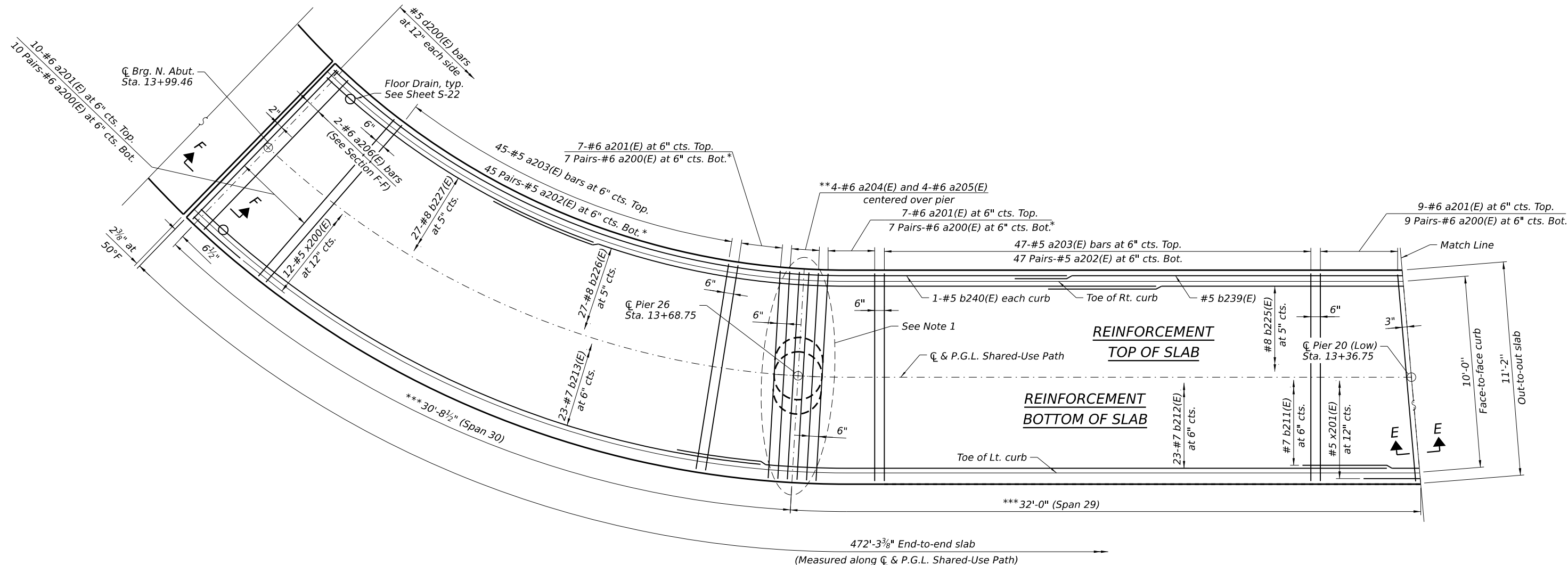
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SLAB DETAILS 10
 STRUCTURE NO. 016-7542**

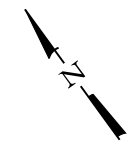
SHEET 5-26 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	97
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				

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REINFORCEMENT PLAN - SPANS 29-30



- * Spacing measured along \bar{C} & P.G.L. Shared-Use Path
- ** Space to miss column reinforcement with a maximum spacing of 7".
- *** (Measured along \bar{C} & P.G.L. Shared-Use Path)

NOTES:

1. See sheet S-29 for Slab Section at Single Column Pier.
2. For Bar Bends, Bill of Material, and Section Thru North Approach Bridge, see sheet S-30.
3. Bars indicated thus 19x5-#5 etc. indicates 19 lines of bars with 5 legs per line.
4. For Section E-E and Section F-F, see sheet S-28.

MINIMUM BAR LAP
(Slab and Curb)

- #4 bar = 2'-5"
- #5 bar = 3'-0"
- #6 bar = 3'-7"
- #7 bar = 4'-8"
- #8 bar = 6'-9"



USER NAME =	DESIGNED - EJW	REVISED -
	CHECKED - JMK	REVISED -
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PLOT DATE =	CHECKED - JMK	REVISED -

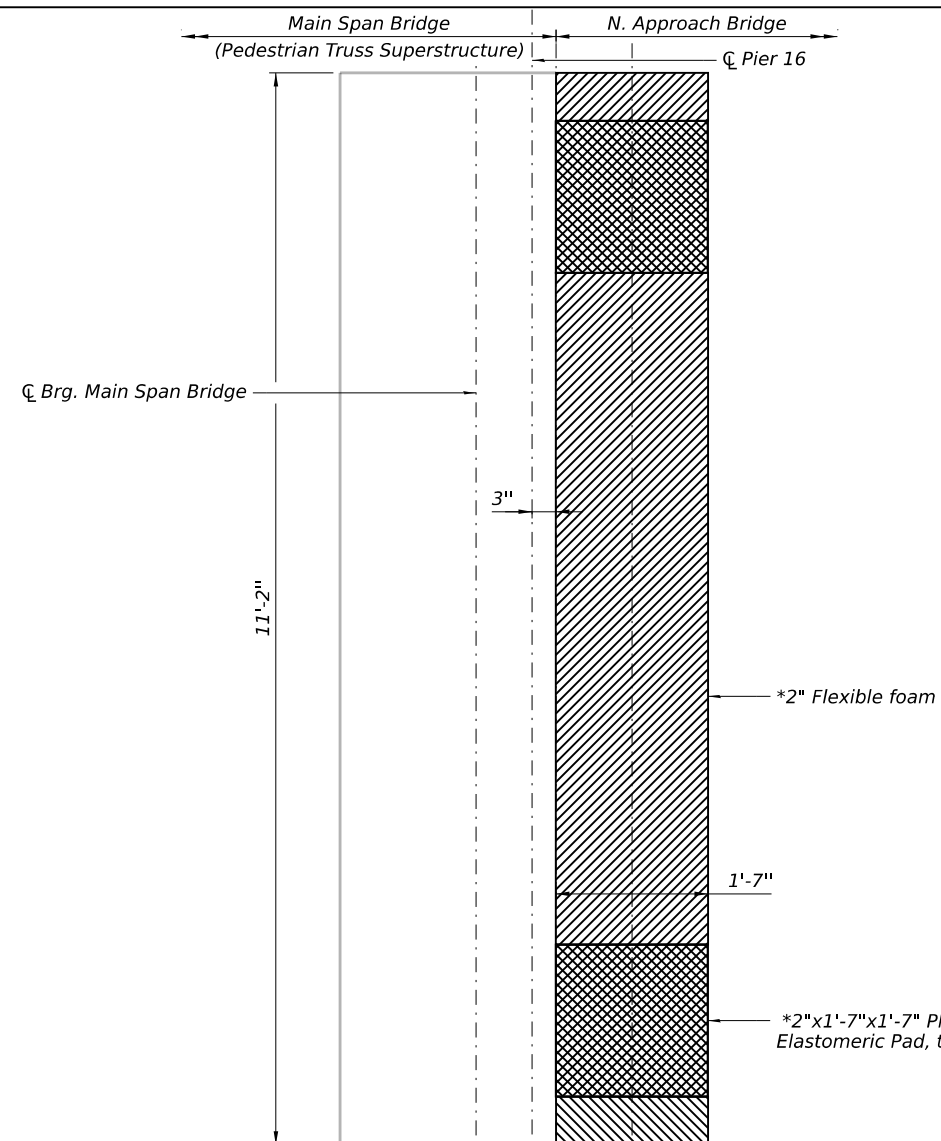
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SLAB DETAILS 11
STRUCTURE NO. 016-7542**

SHEET 5-27 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	98
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

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 1/22/2026 11:25:50 AM



SECTION I-I

*1½" x 2'-6" x 2'-6" Plain Elastomeric Pad, typ.

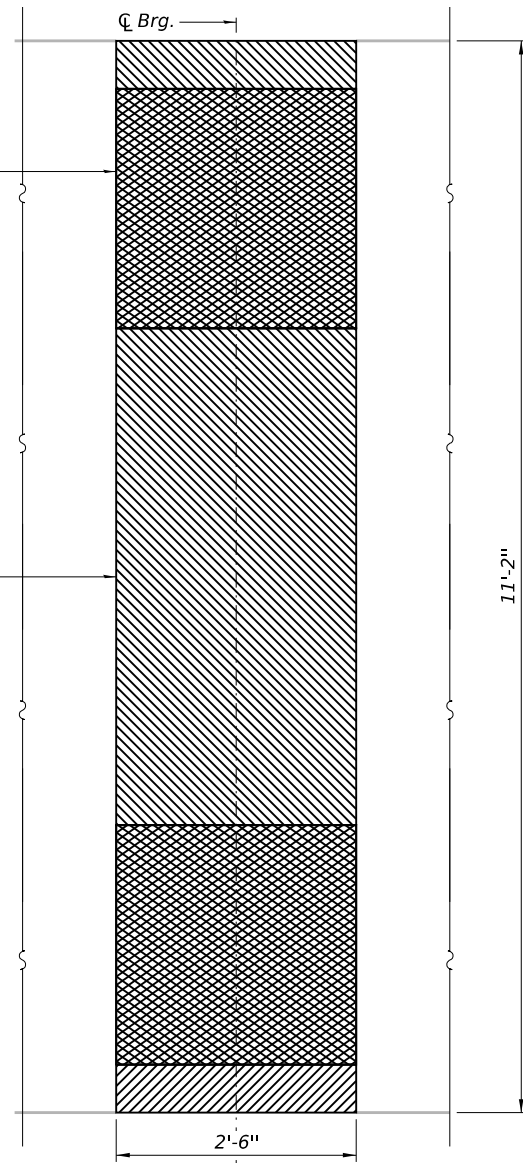
*1½" Flexible foam, typ.

*2" Flexible foam

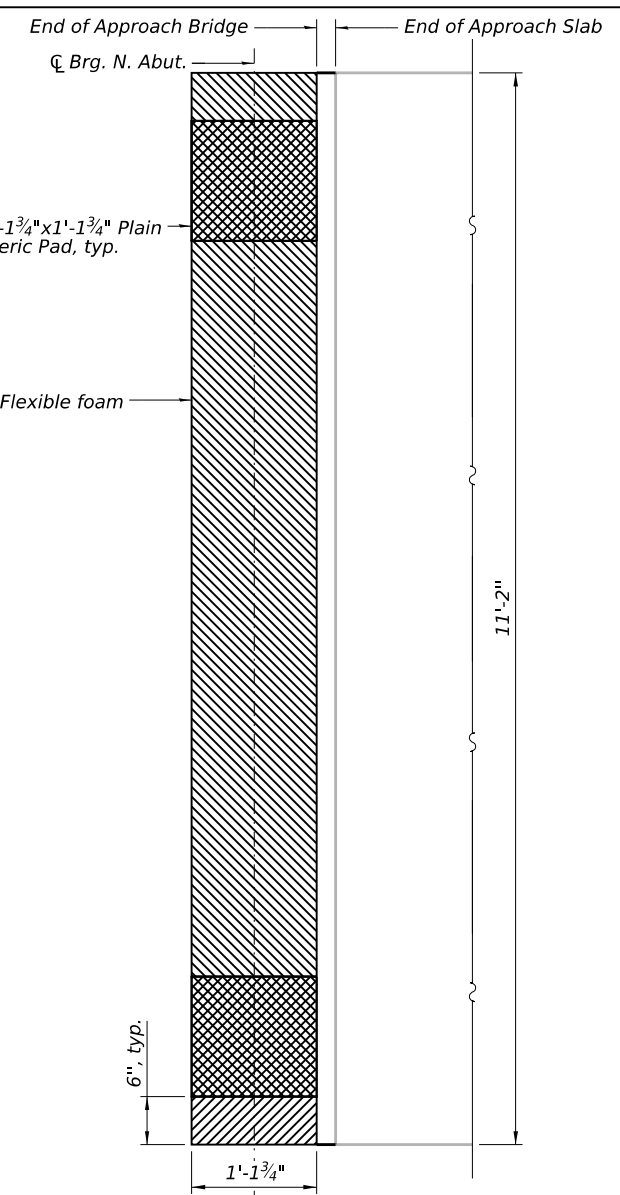
1'-7"

*2" x 1'-7" x 1'-7" Plain Elastomeric Pad, typ.

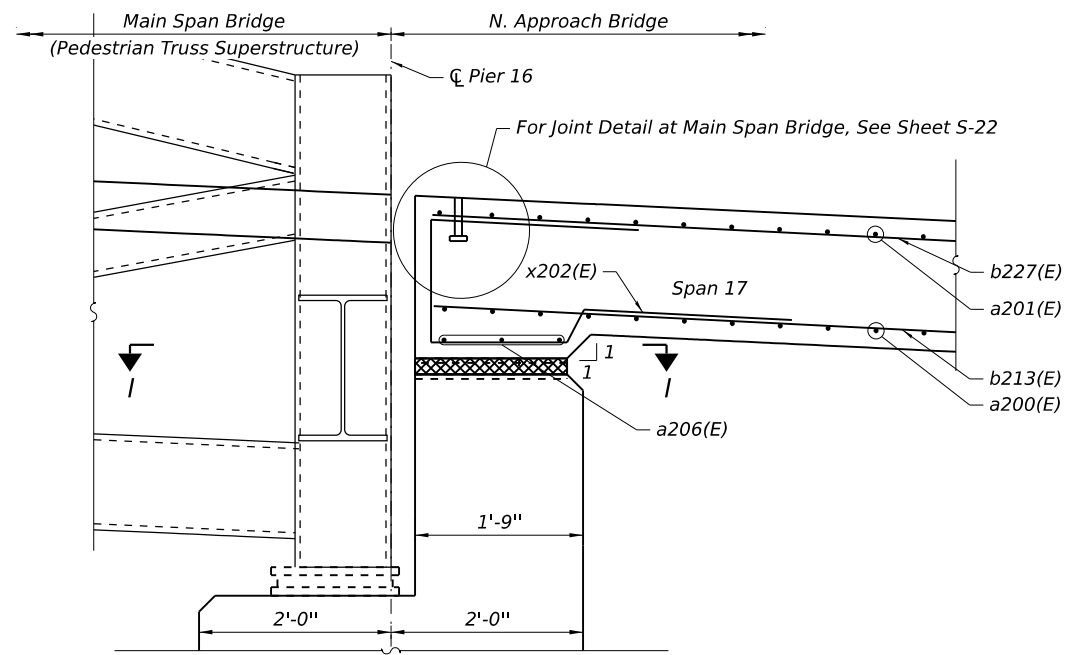
*Cost included with Concrete Superstructures



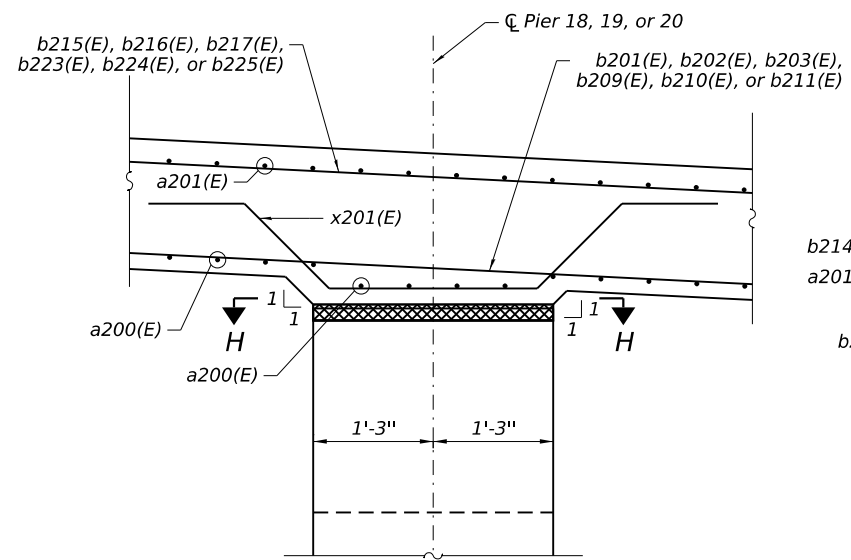
SECTION H-H



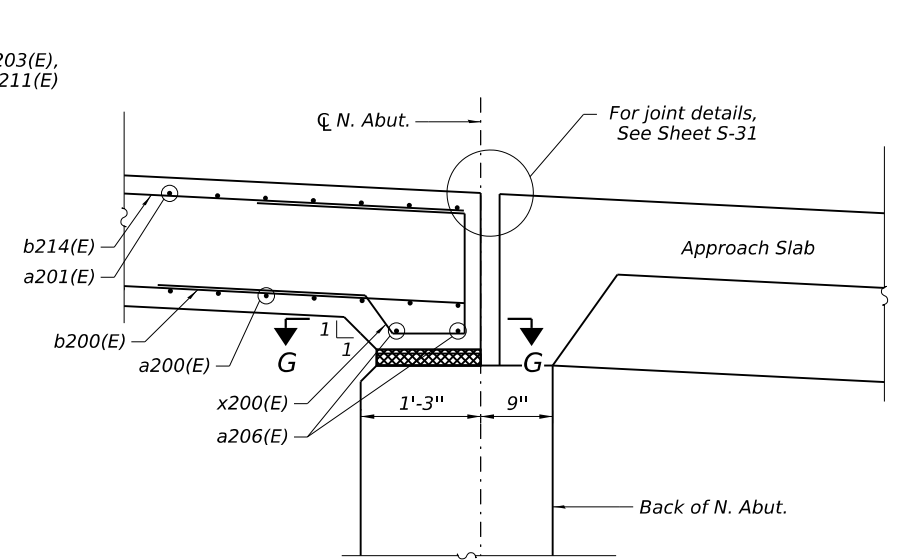
SECTION G-G



SECTION D-D



SECTION E-E



SECTION F-F



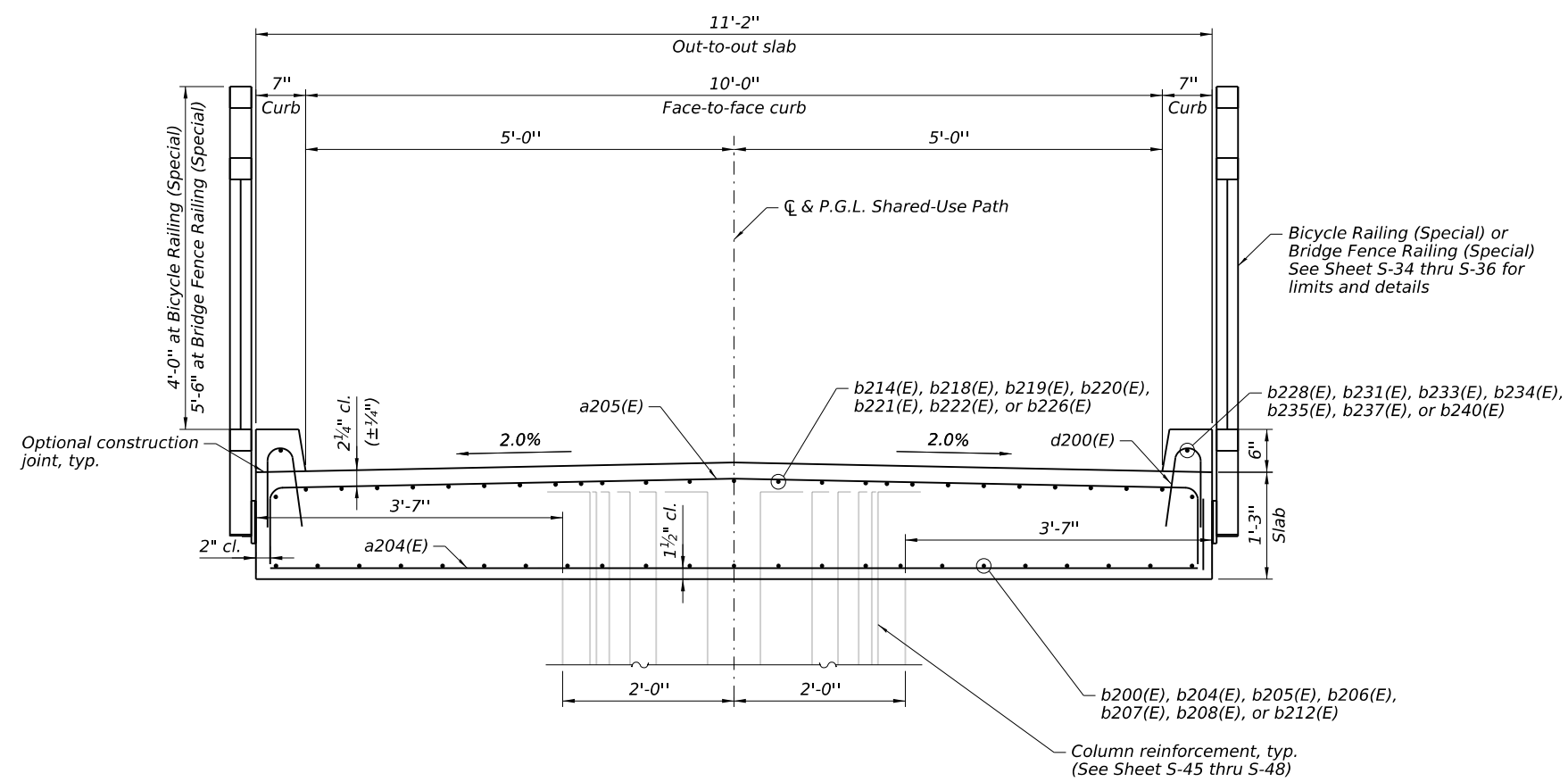
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SLAB DETAILS 12
STRUCTURE NO. 016-7542

SHEET 5-28 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	99
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		



SLAB SECTION AT SINGLE COLUMN PIER

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

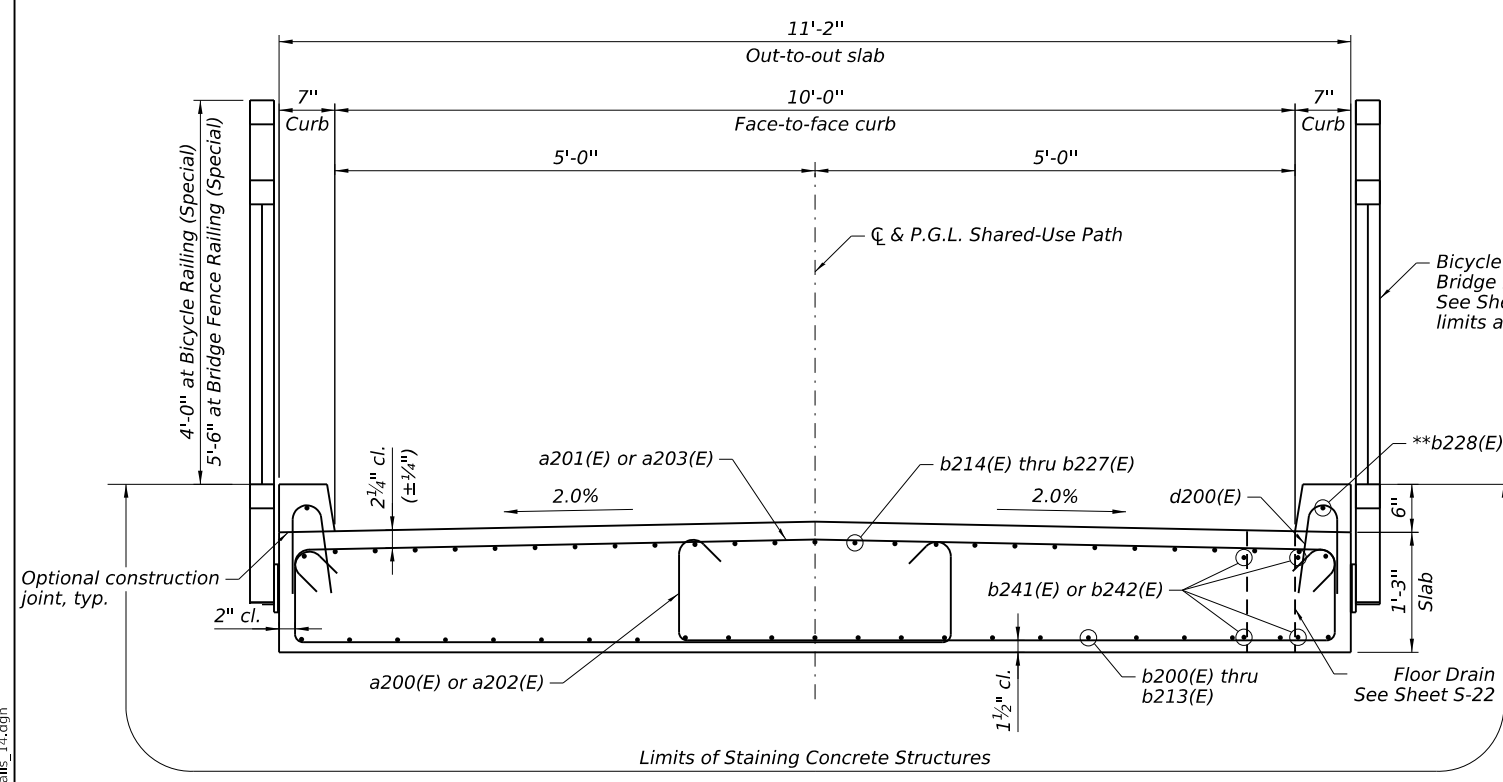
**SLAB DETAILS 13
 STRUCTURE NO. 016-7542**

SHEET 5-29 OF 5-68 SHEETS

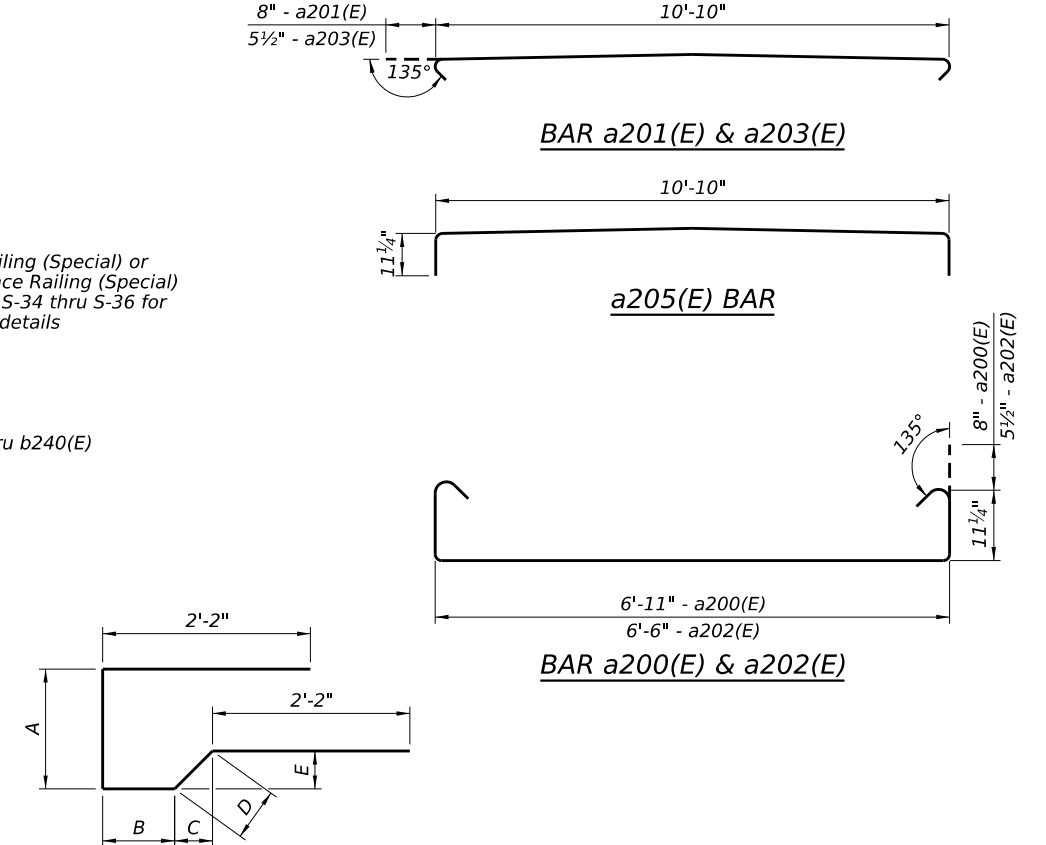
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3512	21-00174-00-BR	COOK	154	100
CONTRACT NO.				61M15
ILLINOIS		FED. AID PROJECT		

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a200(E)	452	#6	10'-2"	[]
a201(E)	226	#6	12'-2"	[]
a202(E)	1432	#5	9'-4"	[]
a203(E)	716	#5	11'-9"	[]
a204(E)	28	#6	10'-10"	[]
a205(E)	28	#6	12'-9"	[]
a206(E)	5	#6	10'-10"	[]
b200(E)	23	#7	35'-11"	[]
b201(E)	23	#7	38'-3"	[]
b202(E)	23	#7	43'-9"	[]
b203(E)	23	#7	43'-9"	[]
b204(E)	23	#7	43'-9"	[]
b205(E)	23	#7	43'-9"	[]
b206(E)	23	#7	43'-9"	[]
b207(E)	23	#7	43'-9"	[]
b208(E)	23	#7	43'-9"	[]
b209(E)	23	#7	43'-9"	[]
b210(E)	23	#7	43'-9"	[]
b211(E)	23	#7	43'-9"	[]
b212(E)	23	#7	37'-6"	[]
b213(E)	23	#7	33'-7"	[]
b214(E)	27	#8	50'-0"	[]
b215(E)	27	#8	42'-6"	[]
b216(E)	27	#8	45'-10"	[]
b217(E)	27	#8	45'-10"	[]
b218(E)	27	#8	45'-10"	[]
b219(E)	27	#8	45'-10"	[]
b220(E)	27	#8	45'-10"	[]
b221(E)	27	#8	45'-10"	[]
b222(E)	27	#8	45'-10"	[]
b223(E)	27	#8	45'-10"	[]
b224(E)	27	#8	45'-10"	[]
b225(E)	27	#8	41'-9"	[]
b226(E)	27	#8	40'-9"	[]
b227(E)	27	#8	21'-1"	[]
b228(E)	2	#5	50'-0"	[]
b229(E)	2	#5	50'-0"	[]
b230(E)	2	#5	50'-0"	[]
b231(E)	1	#5	49'-6"	[]
b232(E)	1	#5	28'-4"	[]
b233(E)	2	#5	28'-4"	[]
b234(E)	2	#5	37'-1"	[]
b235(E)	2	#5	50'-0"	[]
b236(E)	2	#5	50'-0"	[]
b237(E)	2	#5	50'-0"	[]
b238(E)	2	#5	50'-0"	[]
b239(E)	2	#5	50'-0"	[]
b240(E)	2	#5	49'-7"	[]
b241(E)	8	#7	10'-4"	[]
b242(E)	8	#7	7'-0"	[]
d200(E)	938	#5	2'-1"	[]
x200(E)	12	#5	6'-10"	[]
x201(E)	72	#5	6'-8"	[]
x202(E)	12	#5	7'-5"	[]
Concrete Superstructure		Cu. Yd.	255.3	
Protective Coat		Sq. Yd.	639	
Reinforcement Bars, Epoxy Coated		Pound	110,250	
Staining Concrete Structures		Sq. Ft.	6,927	



TYPICAL SLAB SECTION THRU NORTH APPROACH BRIDGE
 ** #5 curb bars (b228(E) thru b240(E)) shall be sprung into place to account for the radius of the bridge



BAR x200(E), x201(E), x202(E)

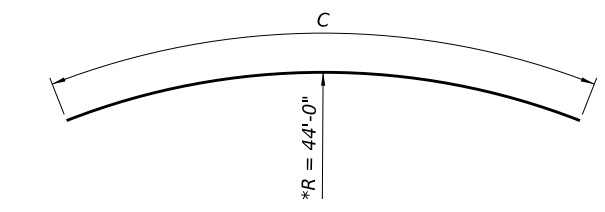
Bar	A	B	C	D	E
x200(E)	1'-2"	10"	4"	5 3/4"	4"
x202(E)	1'-3"	1'-5"	3"	4 1/4"	3"

Bar	C
b202(E)	43'-9"
b203(E)	43'-9"
b204(E)	43'-9"
b205(E)	43'-9"
b206(E)	43'-9"
b207(E)	43'-9"
b208(E)	43'-9"
b209(E)	43'-9"
b210(E)	43'-9"
b213(E)	33'-7"
b216(E)	45'-10"
b217(E)	45'-10"
b218(E)	45'-10"
b219(E)	45'-10"
b220(E)	45'-10"
b221(E)	45'-10"
b222(E)	45'-10"
b223(E)	45'-10"
b224(E)	45'-10"
b227(E)	21'-1"

FLOOR DRAIN BAR TABLE

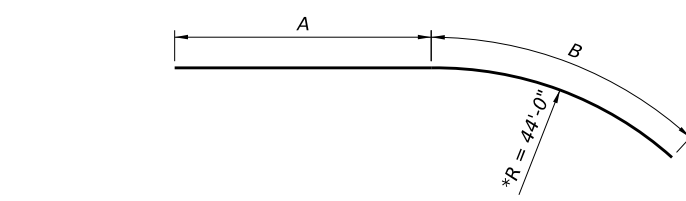
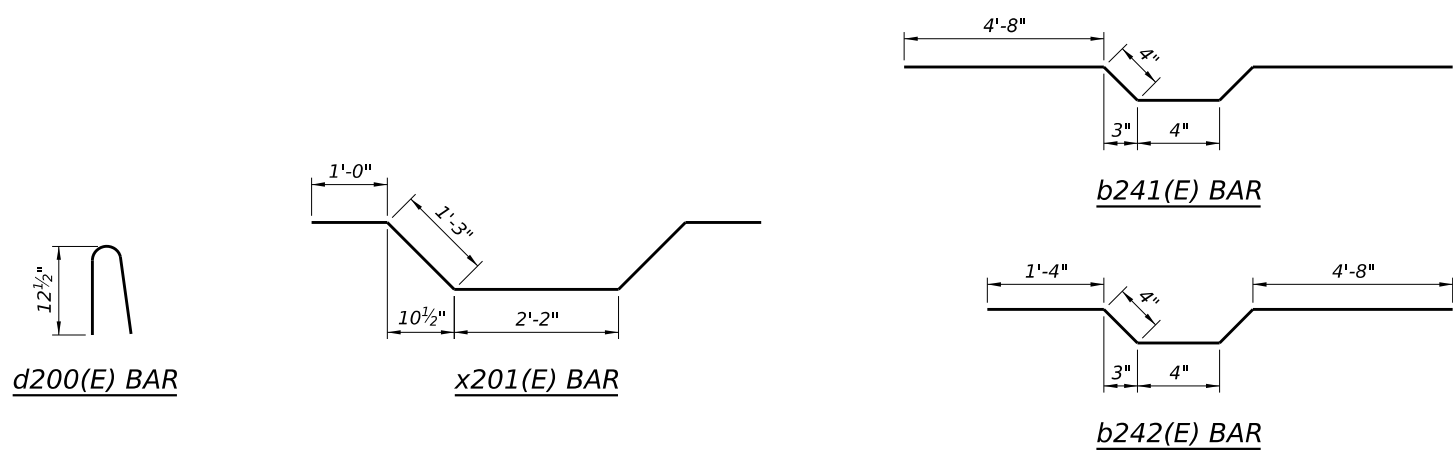
Floor Drain ID	Bar
13	b241(E)
14	b241(E)
15	b242(E)
16	b242(E)

See Sheet S-5 for Floor Drain ID



BAR b202(E), b203(E), b204(E), b205(E), b206(E), b207(E), b208(E), b209(E), b210(E), b213(E), b216(E), b217(E), b218(E), b219(E), b220(E), b221(E), b222(E), b223(E), b224(E), & b227(E)

* The bend radius corresponds to the bridge centerline. The bar radius will vary across the width of the bridge.



BAR b201(E), b211(E), b212(E), b215(E), b225(E), & b226(E)

* The bend radius corresponds to the bridge centerline. The bar radius will vary across the width of the bridge.

Bar	A	B
b201(E)	31'-5"	6'-10"
b211(E)	10'-6"	33'-3"
b212(E)	28'-6"	9'-0"
b215(E)	19'-5"	23'-1"
b225(E)	22'-10"	18'-11"
b226(E)	17'-3"	23'-6"

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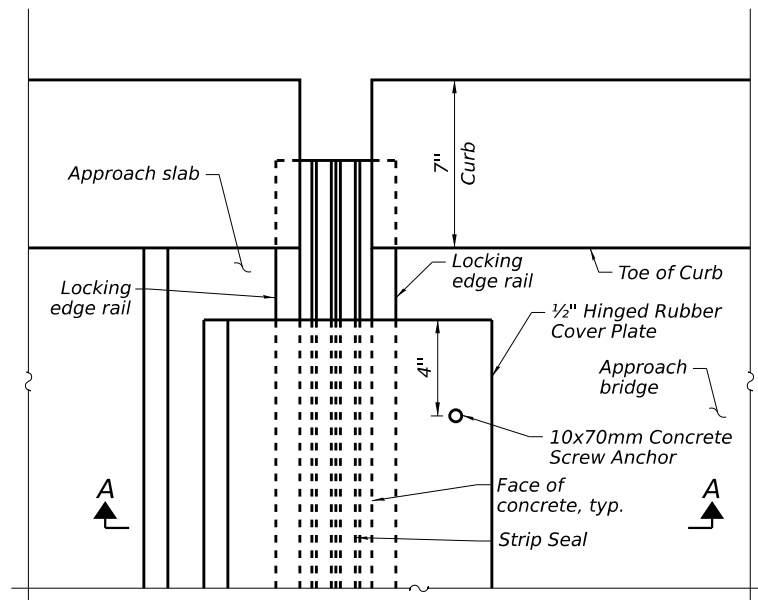


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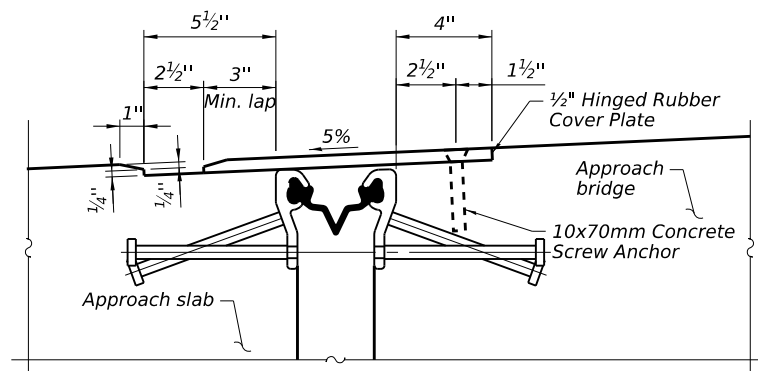
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SLAB DETAILS 14
STRUCTURE NO. 016-7542**
SHEET 5-30 OF 5-68 SHEETS

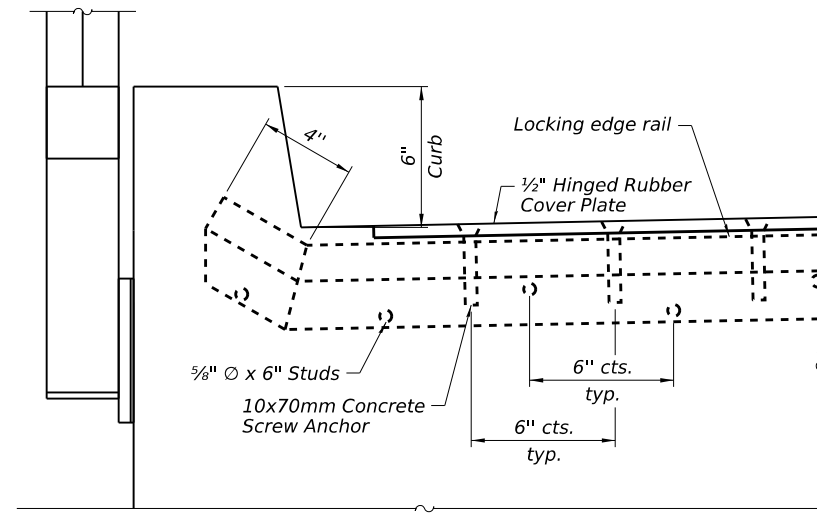
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3512	21-00174-00-BR	COOK	154	101
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				



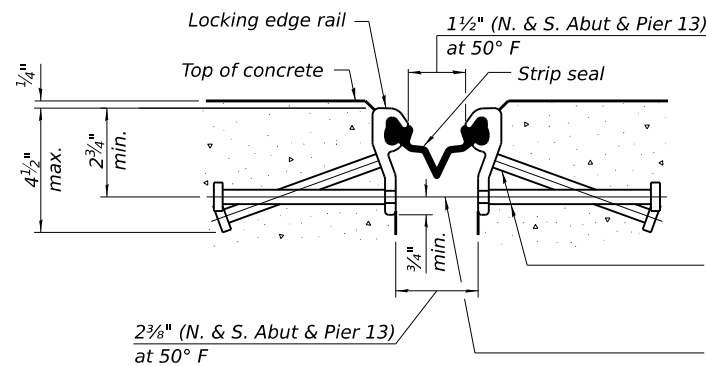
PLAN AT ABUTMENT



SECTION A-A



SECTION AT EDGE OF DECK



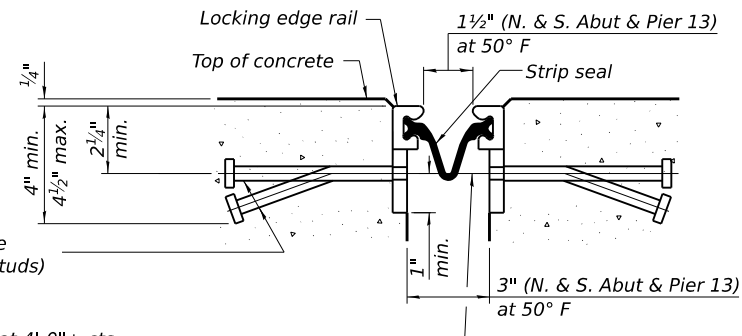
SHOWING ROLLED RAIL JOINT

* 5/8" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

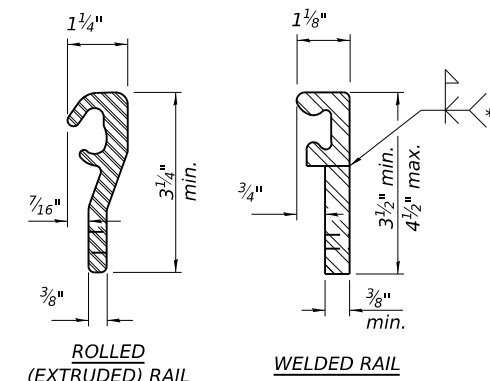
3/8" Ø threaded rods in 7/16" Ø holes at 4'-0"± cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

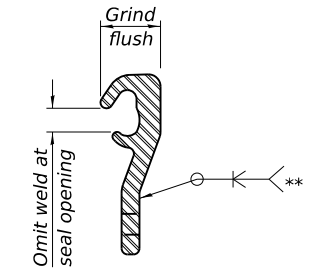


SHOWING WELDED RAIL JOINT



LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

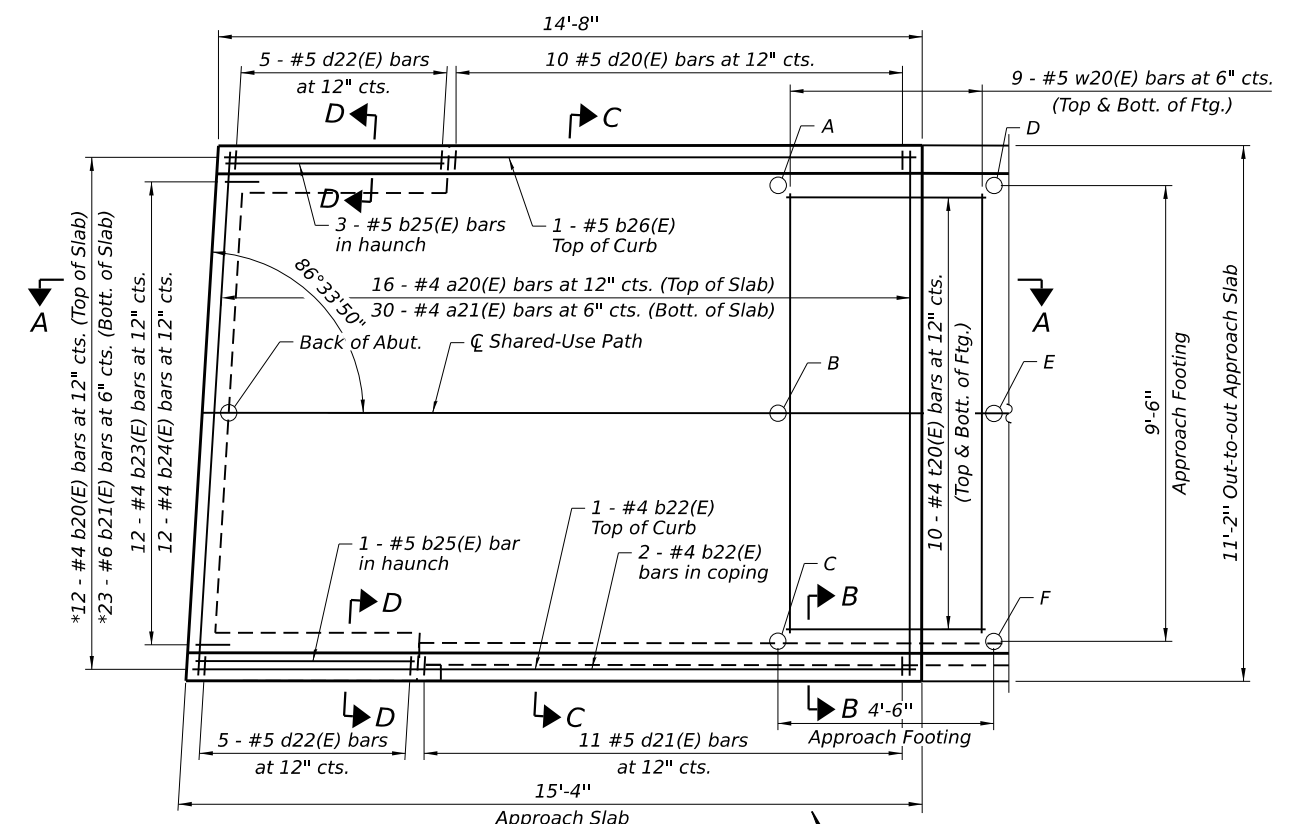
ITEM	UNIT	TOTAL
Preformed Joint Strip Seal	Foot	34

Notes:
 The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches. The strip seal expansion joint provided shall withstand a minimum transverse displacement of ±1".
 The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4 1/2" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.
 The manufacturer's recommended installation methods shall be followed.
 All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.
 The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.
 The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required.
 Cost of Hinged Rubber Cover Plate, embedded plates, anchorage studs and expansion anchors included with Preformed Joint Strip Seal.

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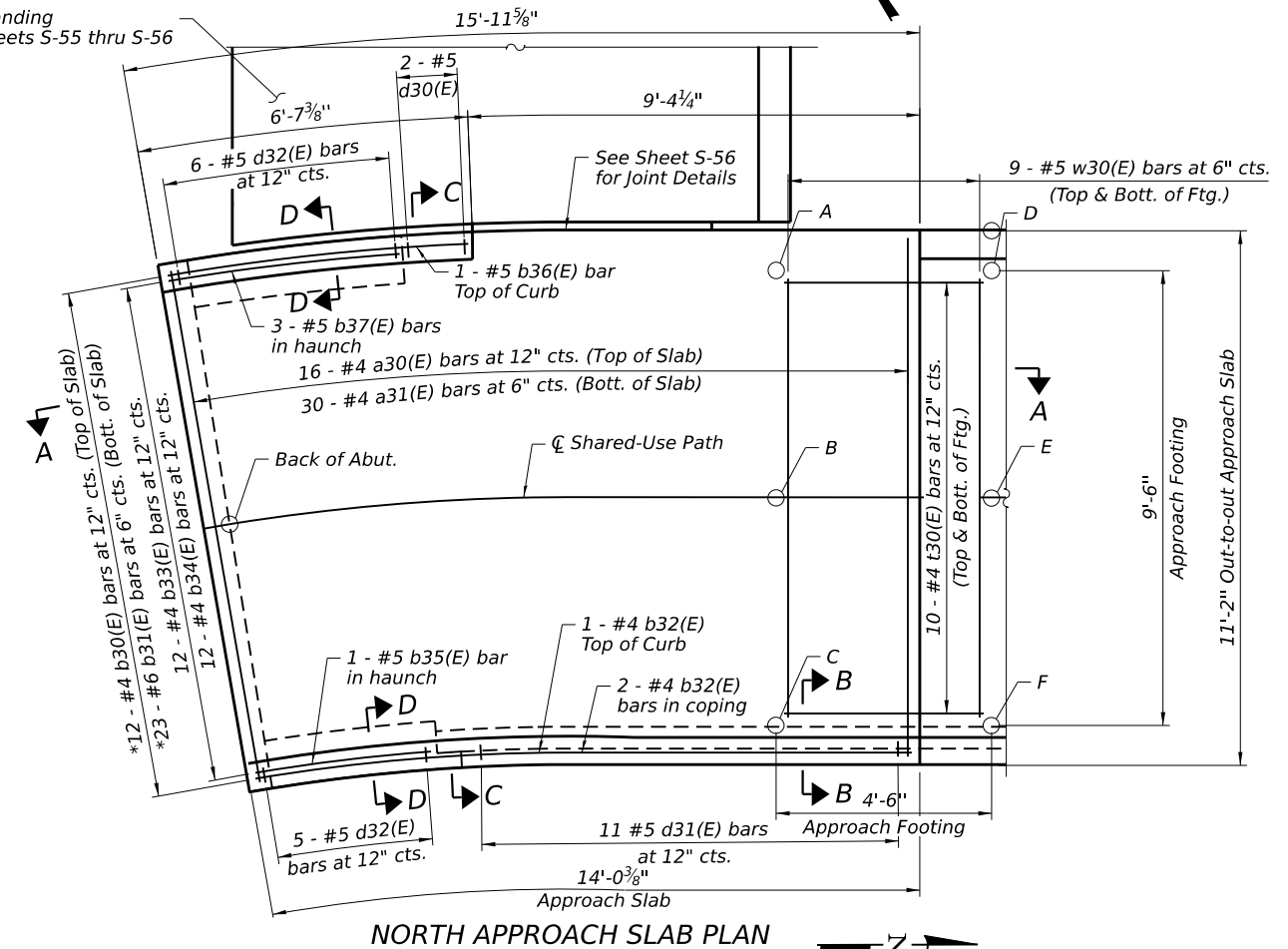
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PLOT DATE =	DRAWN - GUG	REVISED -
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				



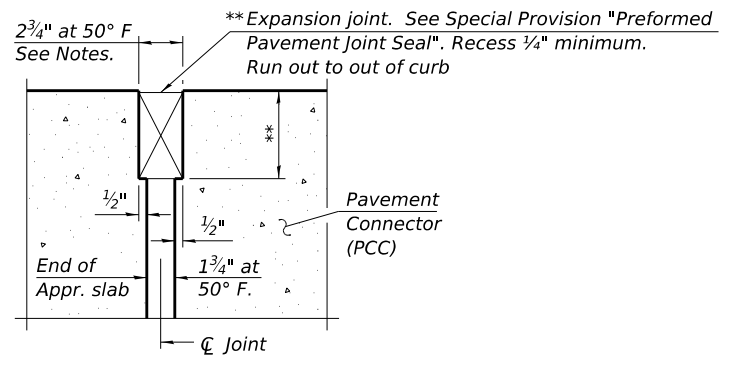
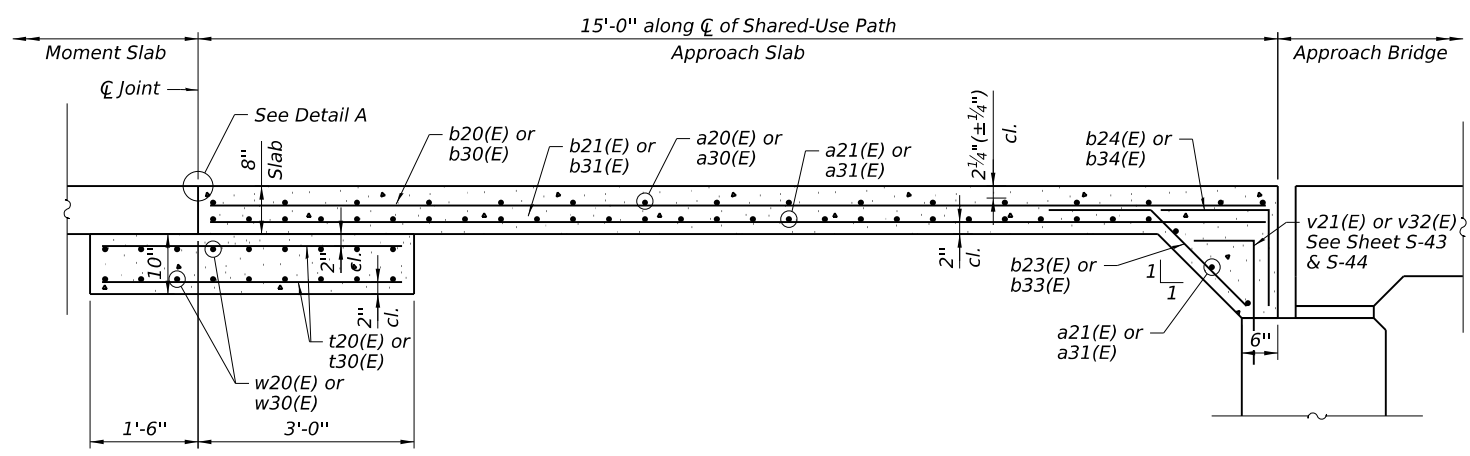
*Cut in field to fit

Stair Landing
See Sheets S-55 thru S-56



TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

Point	South Approach		North Approach	
	Top	Bottom	Top	Bottom
A	683.98	683.15	685.03	684.20
B	684.08	683.24	685.13	684.30
C	683.98	683.15	685.03	684.20
D	683.76	682.92	684.81	683.98
E	683.85	683.02	684.90	684.07
F	683.76	682.92	684.81	683.98



** Cost included with Concrete Superstructure (Approach Slab).

- NOTES**
1. For Sections B-B, C-C, D-D, and E-E see Sheet S-33
 2. Bars are to be provided straight and are to be sprung and tied at required radius in field.

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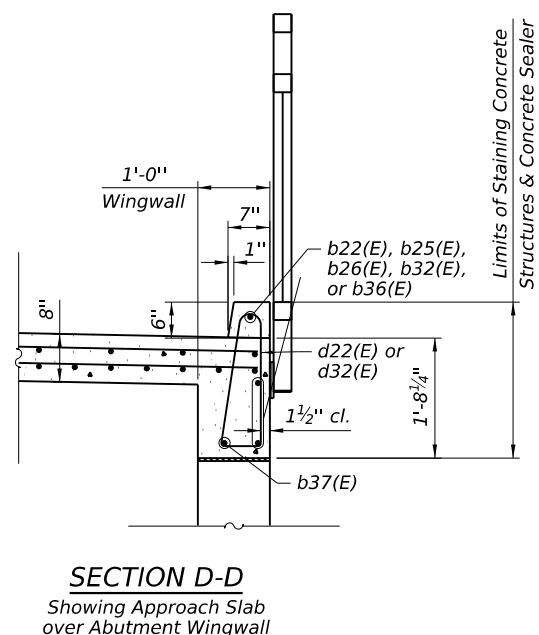
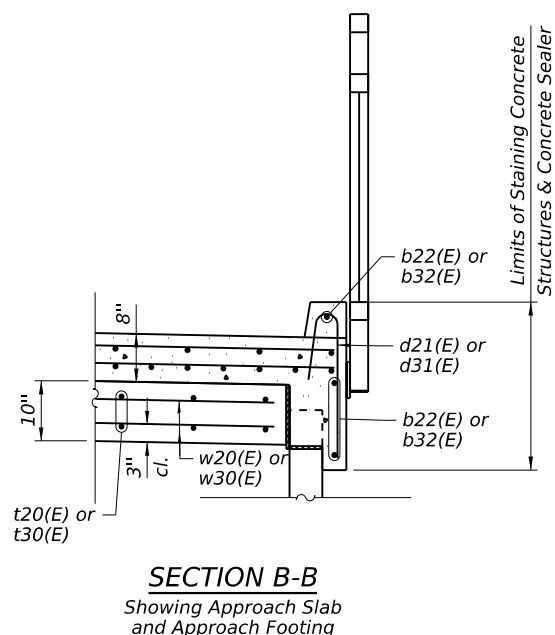
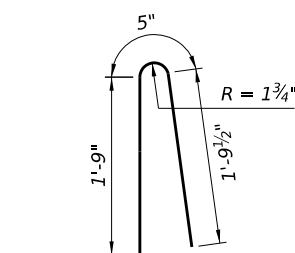
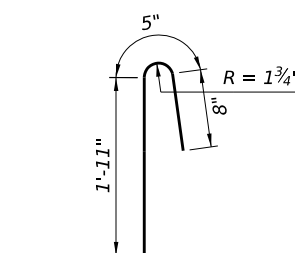
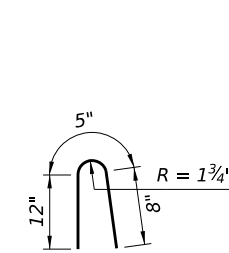
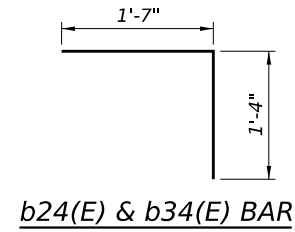
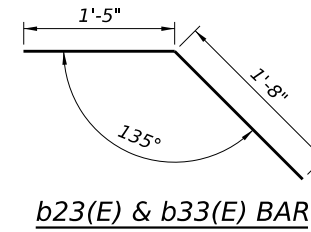
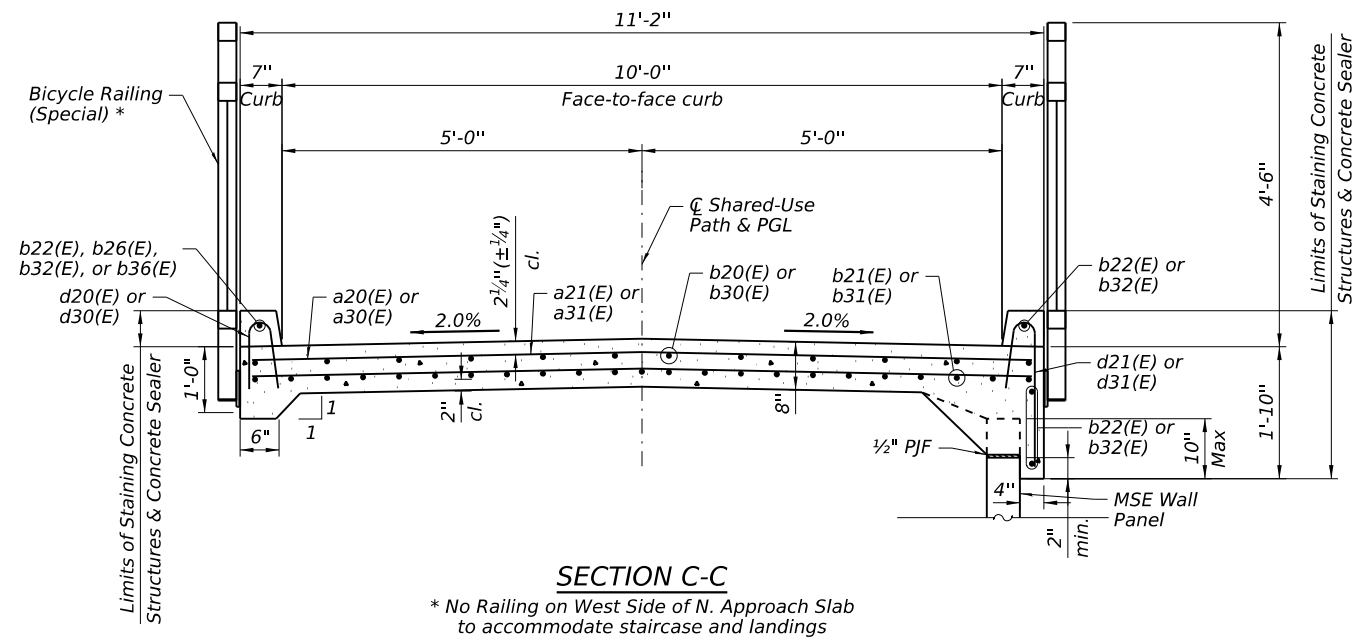
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**APPROACH SLAB DETAILS 1
STRUCTURE NO. 016-7542**

SHEET 5-32 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	103
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				

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BILL OF MATERIAL (SOUTH APPROACH SLAB)

Bar	No.	Size	Length	Shape
a20(E)	16	#4	10'-10"	—
a21(E)	30	#4	10'-10"	—
b20(E)	12	#4	15'-0"	—
b21(E)	23	#6	15'-0"	—
b22(E)	3	#5	15'-0"	—
b23(E)	12	#4	3'-1"	└
b24(E)	12	#4	2'-11"	└
b25(E)	4	#5	4'-5"	—
b26(E)	1	#5	14'-4"	—
d20(E)	10	#5	2'-1"	U
d21(E)	11	#5	3'-0"	U
d22(E)	10	#5	4'-5"	U
t20(E)	20	#4	4'-2"	—
w20(E)	18	#5	10'-10"	—
Concrete Superstructure (Approach Slab)		Cu. Yd.	5.6	
Concrete Structures		Cu. Yd.	1.3	
Reinforcement Bars, Epoxy Coated		Pound	1,470	
Protective Coat		Sq. Yd.	21	
Concrete Sealer		Sq. Ft.	43	
Staining Concrete Structures		Sq. Ft.	43	

BILL OF MATERIAL (NORTH APPROACH SLAB)

Bar	No.	Size	Length	Shape
a30(E)	16	#4	10'-10"	—
a31(E)	30	#4	10'-10"	—
b30(E)	12	#4	15'-7"	—
b31(E)	23	#6	15'-7"	—
b32(E)	3	#5	13'-8"	—
b33(E)	12	#4	3'-1"	└
b34(E)	12	#4	2'-11"	└
b35(E)	1	#5	3'-8"	—
b36(E)	1	#5	6'-2"	—
b37(E)	3	#5	4'-9"	—
d30(E)	2	#5	2'-1"	U
d31(E)	11	#5	3'-0"	U
d32(E)	11	#5	4'-5"	U
t30(E)	20	#4	4'-2"	—
w30(E)	18	#5	10'-10"	—
Concrete Superstructure (Approach Slab)		Cu. Yd.	5.5	
Concrete Superstructure		Cu. Yd.	1.3	
Reinforcement Bars, Epoxy Coated		Pound	1,470	
Protective Coat		Sq. Yd.	21	
Concrete Sealer		Sq. Ft.	36	
Staining Concrete Structures		Sq. Ft.	36	

NOTES

- Approach Slab and Curb Paid for as Concrete Superstructure (Approach Slab).
- Approach Footing paid for as Concrete Structures



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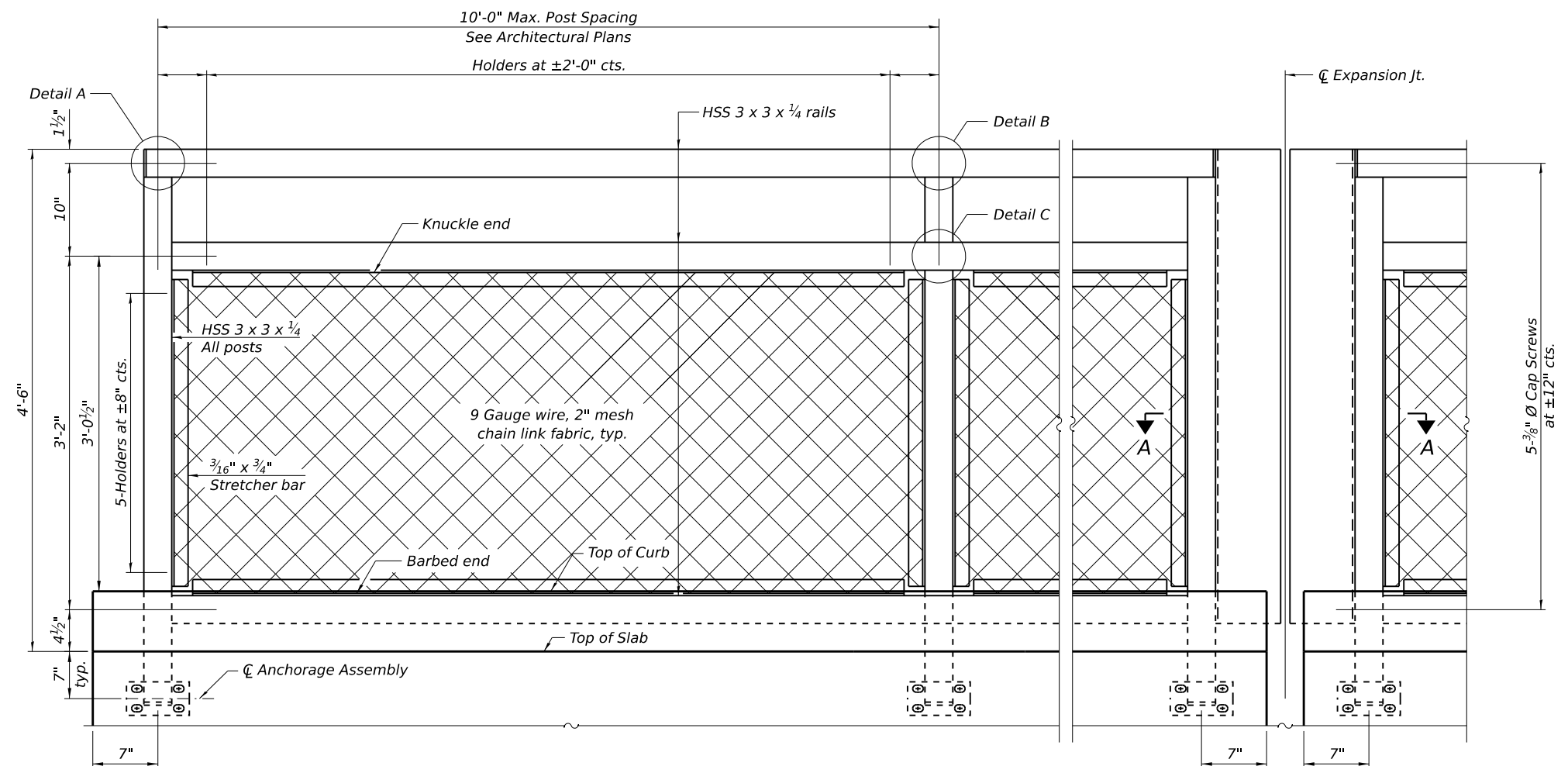
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**APPROACH SLAB DETAILS 2
 STRUCTURE NO. 016-7542**

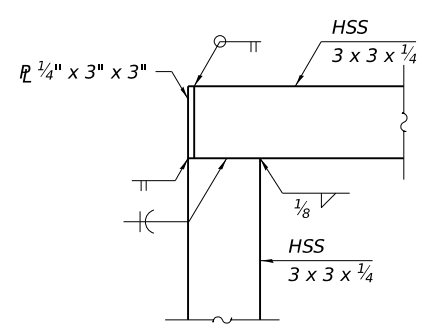
SHEET 5-33 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

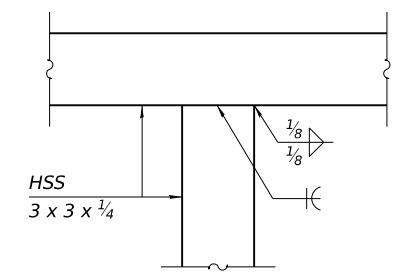
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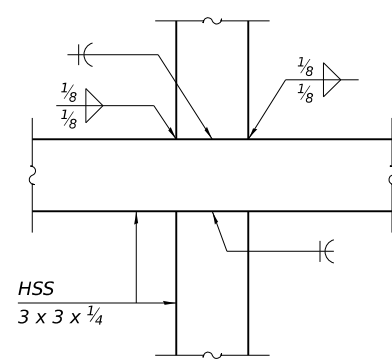
ELEVATION BICYCLE RAILING (SPECIAL)
 (Inside face)



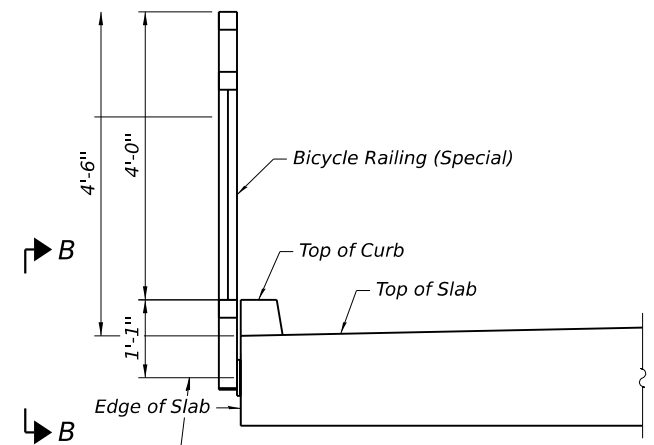
DETAIL A



DETAIL B



DETAIL C



SECTION THRU SLAB
 Sta. 1+26.14 to 5+73.83 (Lt.)
 Sta. 11+06.51 to 14+15.20 (Lt.)
 Sta. 2+13.84 to 5+08.75 (Rt.)
 Sta. 5+13.75 to 5+73.83 (Rt.)
 Sta. 11+13.12 to 14+15.20 (Rt.)
 Sta. 14+15.20 to 15+04.48 (Rt.)

- NOTES:**
- For View B-B and Section A-A, see Sheet S-36.
 - For Anchorage Assembly details, see Sheet S-36. Cost of Anchorage Assembly is included with Bicycle Railing (Special).



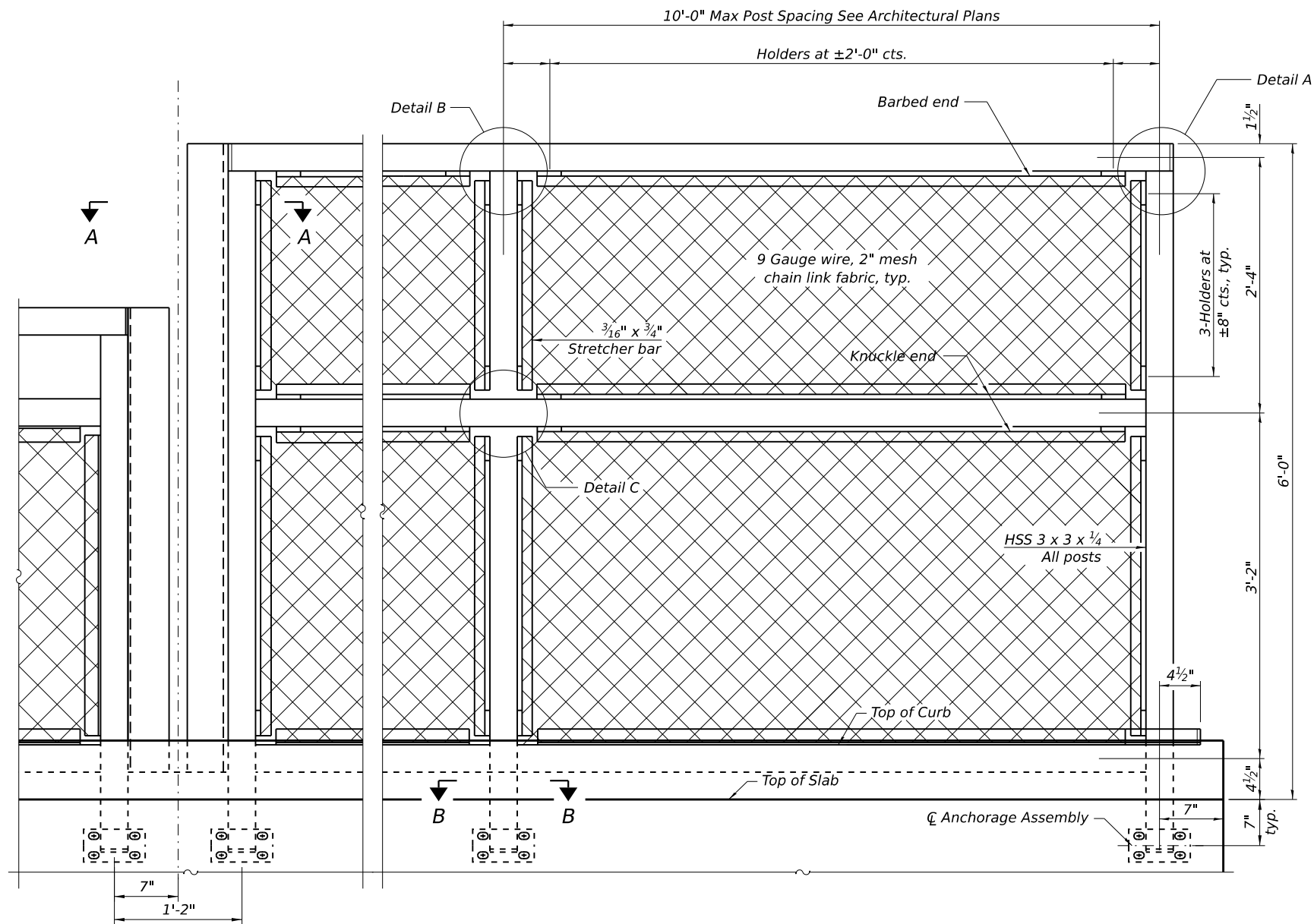
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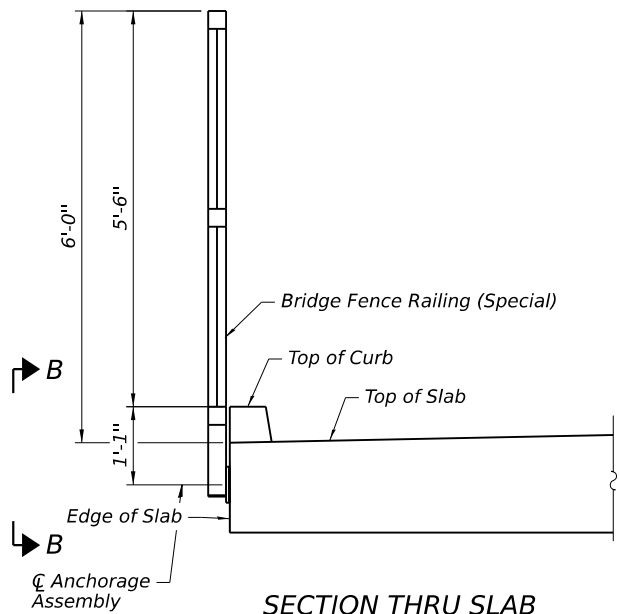
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 STRUCTURE NO. 016-7542**

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CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

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ELEVATION BRIDGE FENCE RAILING (SPECIAL)
 (Inside Face)



SECTION THRU SLAB
 Sta. 5+73.83 to 7+21.48 (Lt. & Rt.)
 Sta. 9+27.48 to 11+06.51 (Lt. & Rt.)

- NOTES:**
1. See Sheet S-34 for Details A, B, & C.
 2. For View B-B and Section A-A, see Sheet S-36.
 3. For Anchorage Assembly details, see Sheet S-36. Cost of Anchorage Assembly is included with Bicycle Railing (Special).



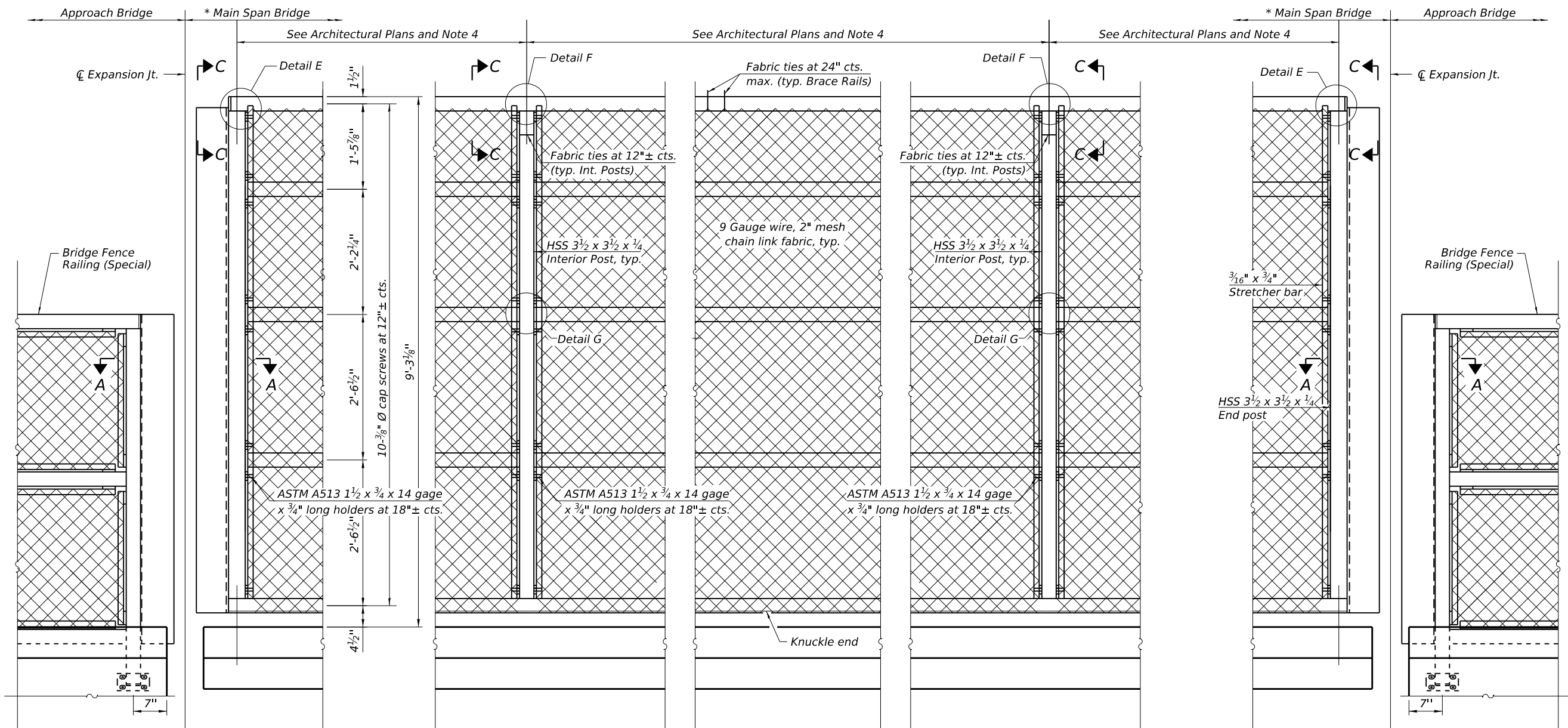
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RAILING DETAILS 2
STRUCTURE NO. 016-7542

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

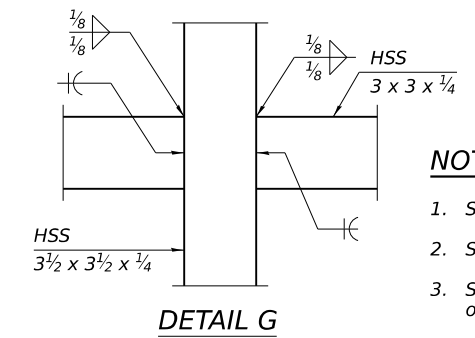
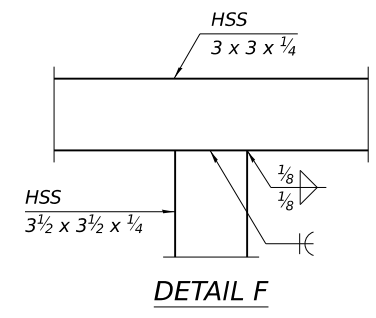
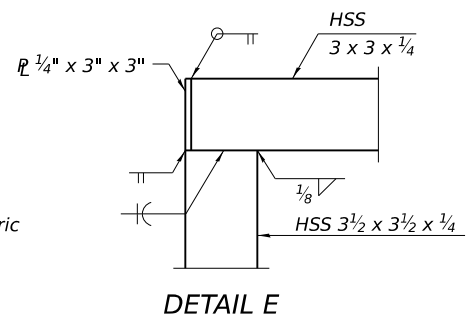
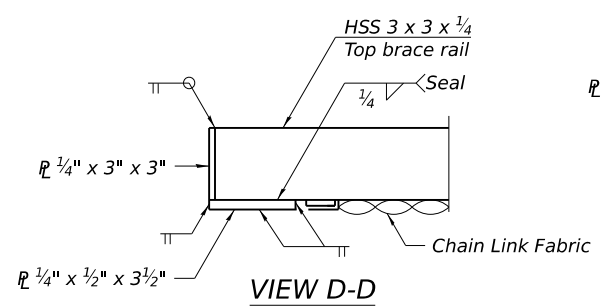
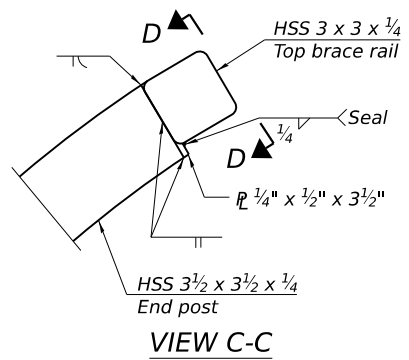
SHEET 5-35 OF 5-68 SHEETS



ELEVATION BRIDGE FENCE RAILING

(Inside face)

* Cost of Bicycle Railing, Curved within the limits shown is included with Pedestrian Truss Superstructure



NOTES:

1. See Sheet S-36 for Section A-A.
2. See Sheet S-36 for Section Thru Railing at Truss.
3. See Lighting Plans for Conduit and Cable Routing on Main Span Bridge.
4. Railing connections to the Pedestrian Truss Superstructure shall be designed by the truss manufacturer and detailed on the shop drawings. Connection design shall follow the same design specifications as the truss superstructure.

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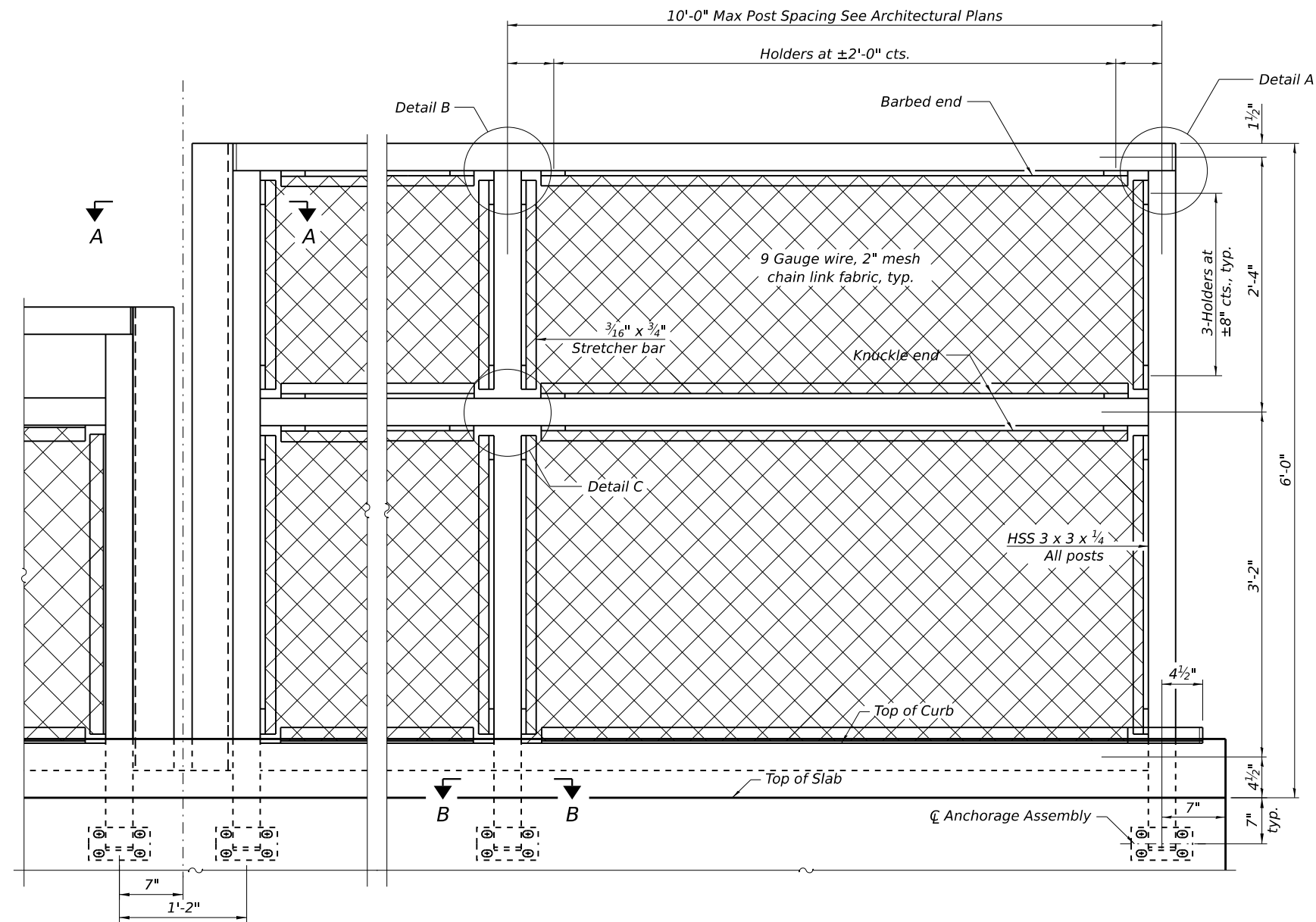
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**RAILING DETAILS 3
STRUCTURE NO. 016-7542**

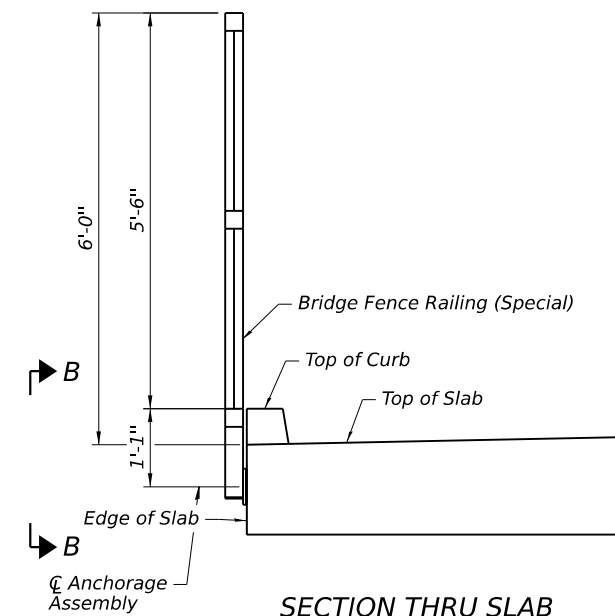
SHEET 5-36 OF 5-68 SHEETS

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ELEVATION BRIDGE FENCE RAILING (SPECIAL)
 (Inside Face)



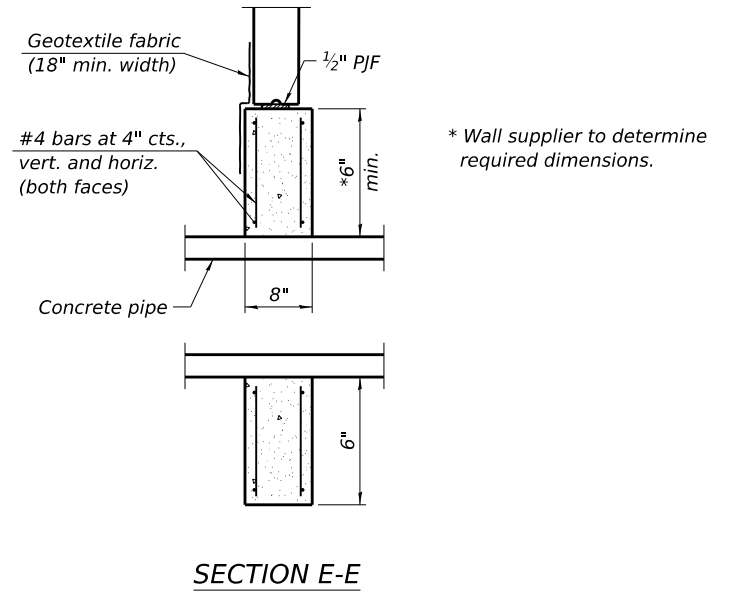
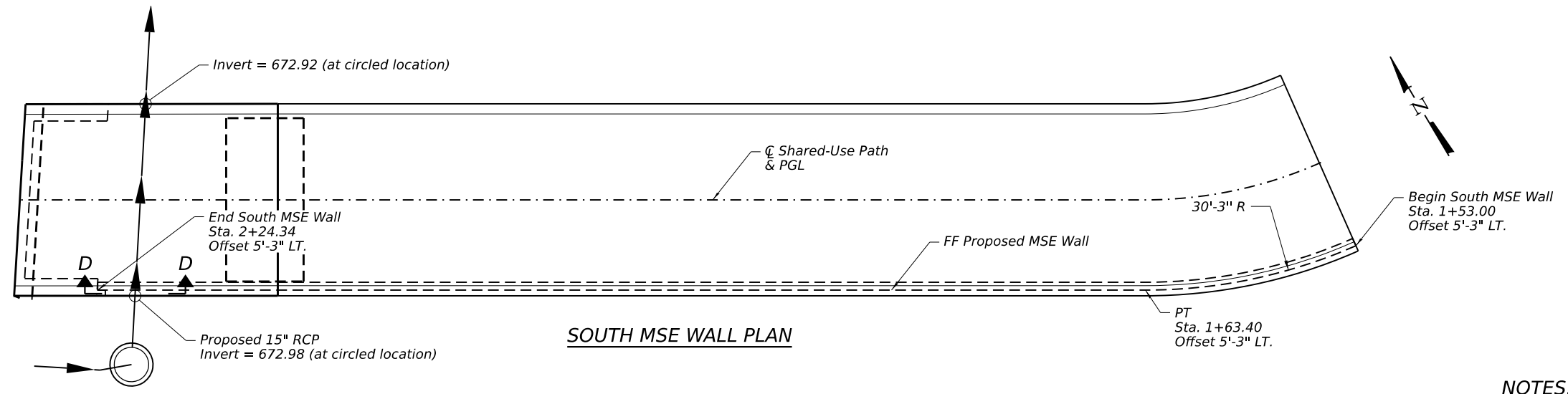
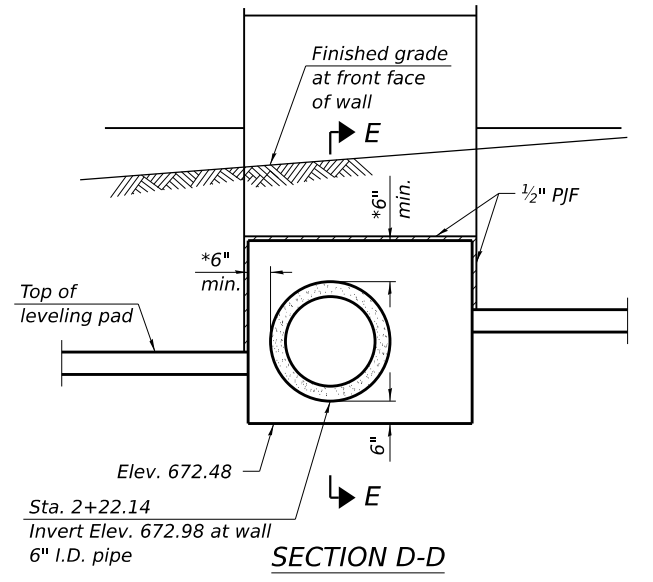
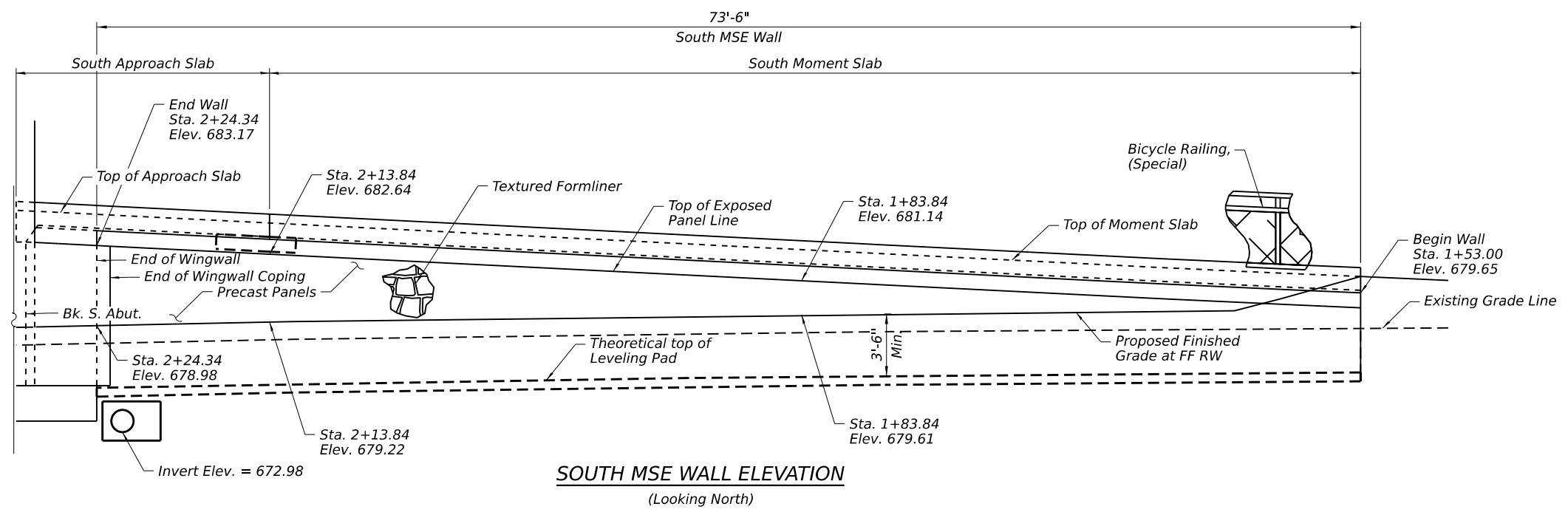
SECTION THRU SLAB
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 Sta. 9+27.48 to 11+06.51 (Lt. & Rt.)

NOTES:

1. See Sheet S-34 for Details A, B, & C.
2. For View B-B and Section A-A, see Sheet S-36.
3. For Anchorage Assembly details, see Sheet S-36. Cost of Anchorage Assembly is included with Bicycle Railing (Special).

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CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		



- NOTES:**
1. Textured formliner for precast panels shall not be paid separately but shall be included in the cost of "Mechanically Stabilized Earth Retaining Wall, Special".
 2. For formliner details for precast panels, see Architectural Plans.
 3. Dimensions and Offsets are measured at the front face of MSE Wall Panels.
 4. See Sheet S-39 for MSE wall details.

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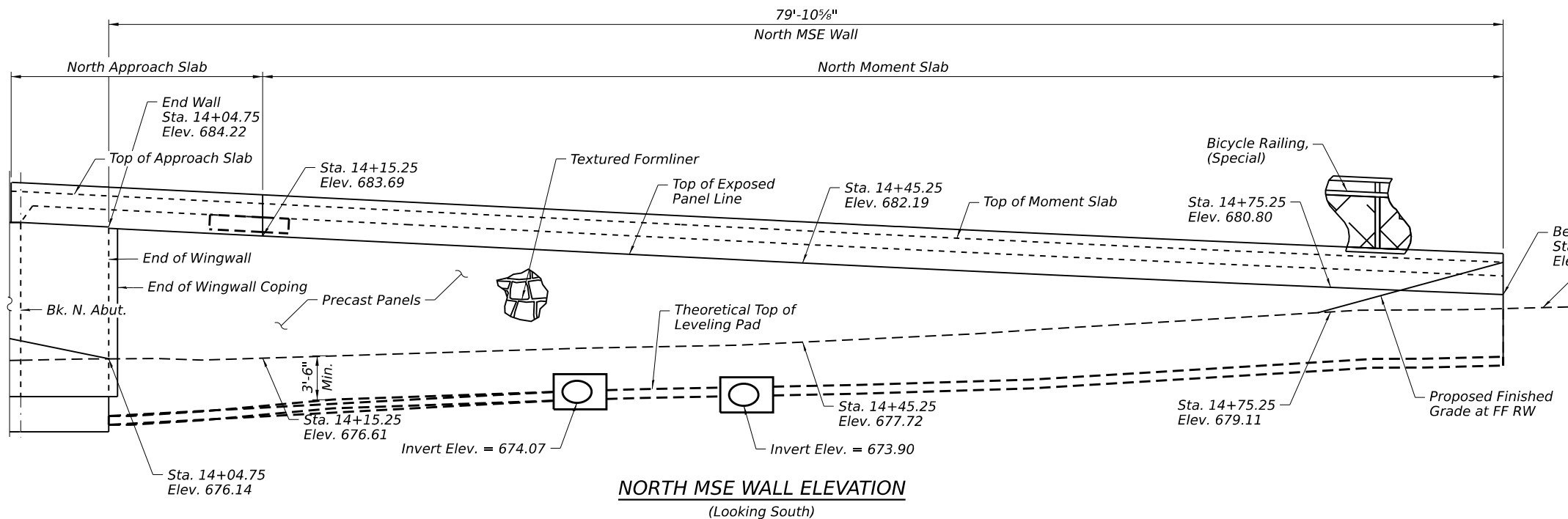
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOUTH MSE WALL
STRUCTURE NO. 016-7542**

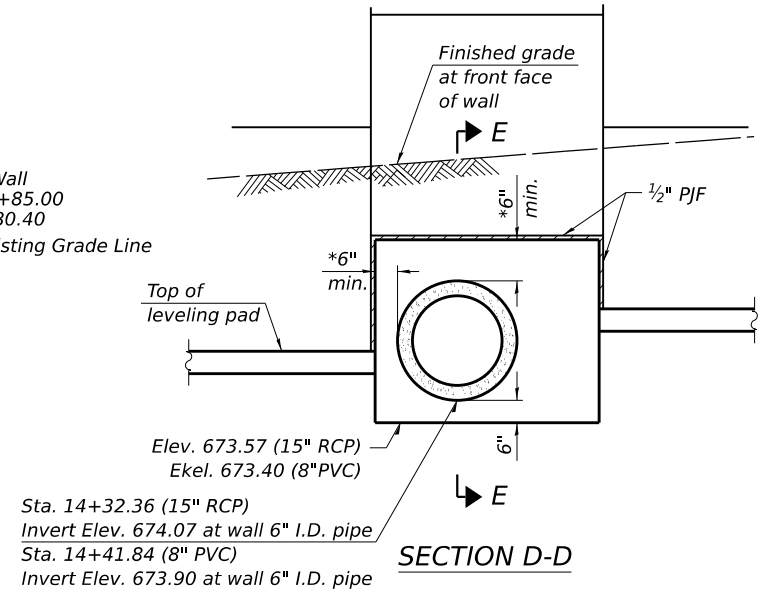
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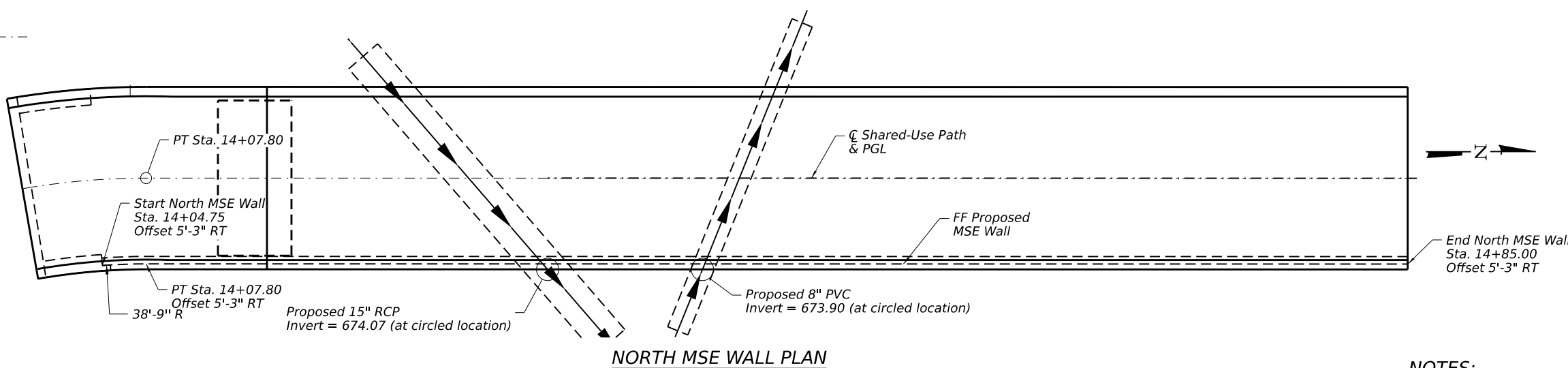
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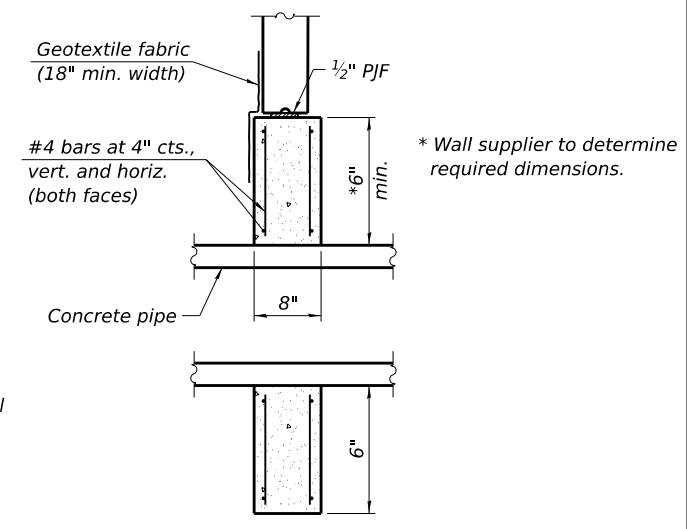
NORTH MSE WALL ELEVATION
(Looking South)



SECTION D-D



NORTH MSE WALL PLAN



SECTION E-E

NOTES:

1. Textured formliner for precast panels shall not be paid separately but shall be included in the cost of "Mechanically Stabilized Earth Retaining Wall, Special".
2. For formliner details for precast panels, see Architectural Plans.
3. Dimensions and Offsets are measured at the front face of MSE Wall Panels.
4. See Sheet S-39 for MSE wall details.



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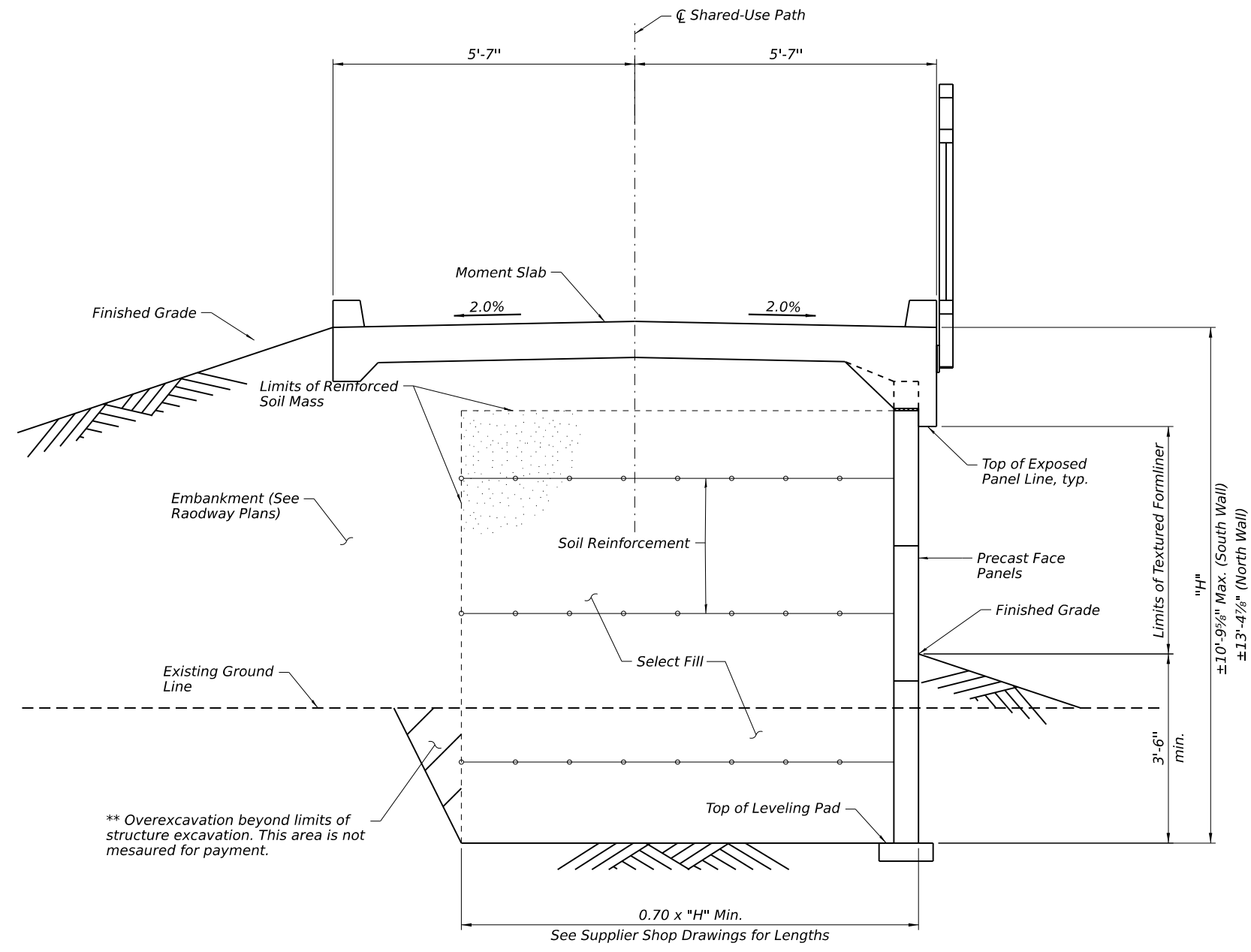
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**NORTH MSE WALL
 STRUCTURE NO. 016-7542**

SHEET 5-39 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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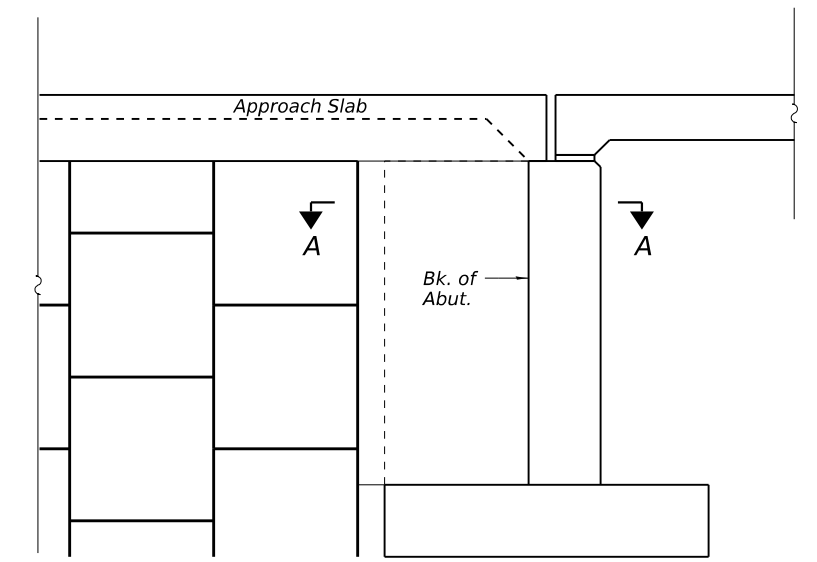
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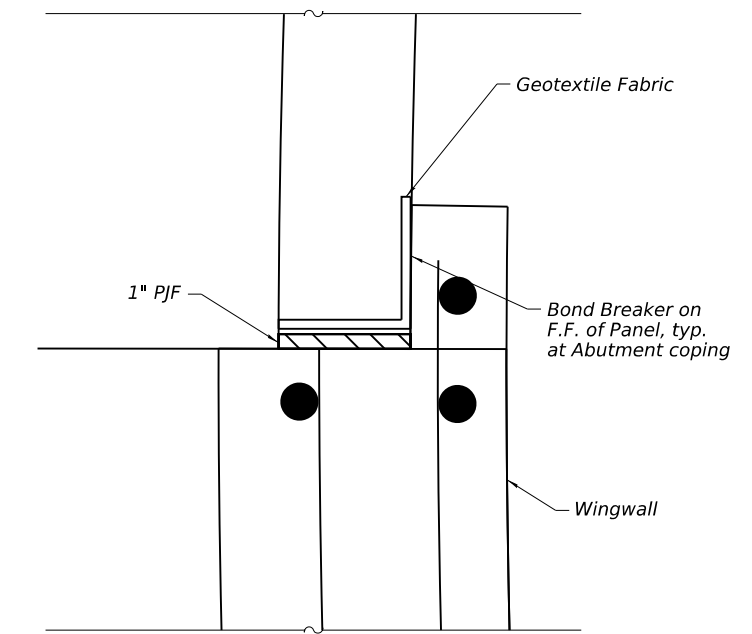
SECTION THRU MSE WALL
 Looking Sta. Back (South Wall)
 Looking Sta. Ahead (North Wall)

BILL OF MATERIAL (SOUTH MSE WALL)

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	96
Concrete Sealer	Sq. Ft.	138
Mechanically Stabilized Earth Retaining Wall (Special)	Sq. Ft.	396



END VIEW OF MSE WALL AT ABUTMENT



SECTION A-A

BILL OF MATERIAL (NORTH MSE WALL)

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	105
Concrete Sealer	Sq. Ft.	351
Mechanically Stabilized Earth Retaining Wall (Special)	Sq. Ft.	631

** Backfill overexcavation with same material as used for select fill.



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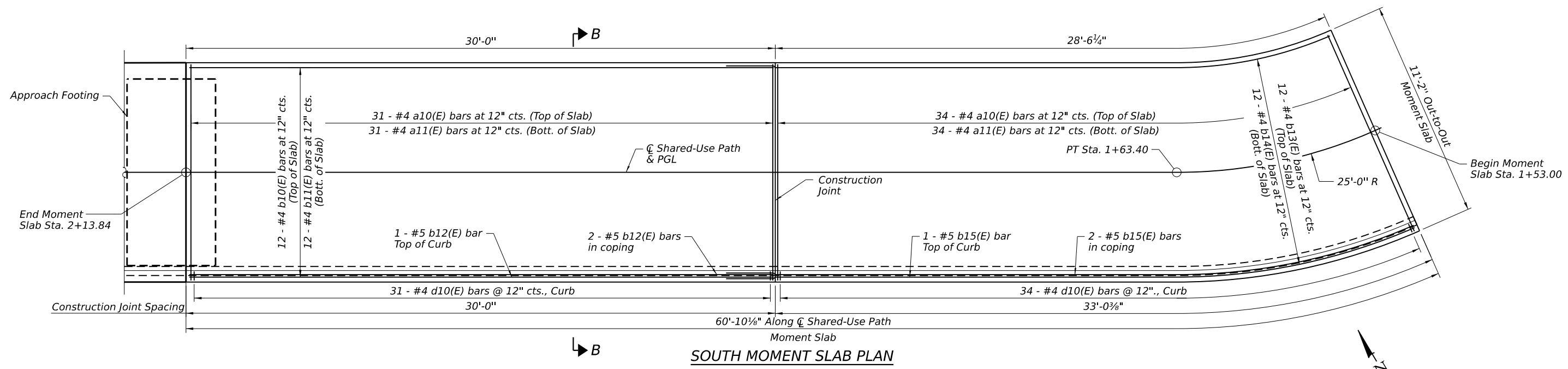
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**MSE WALL DETAILS
 STRUCTURE NO. 016-7542**

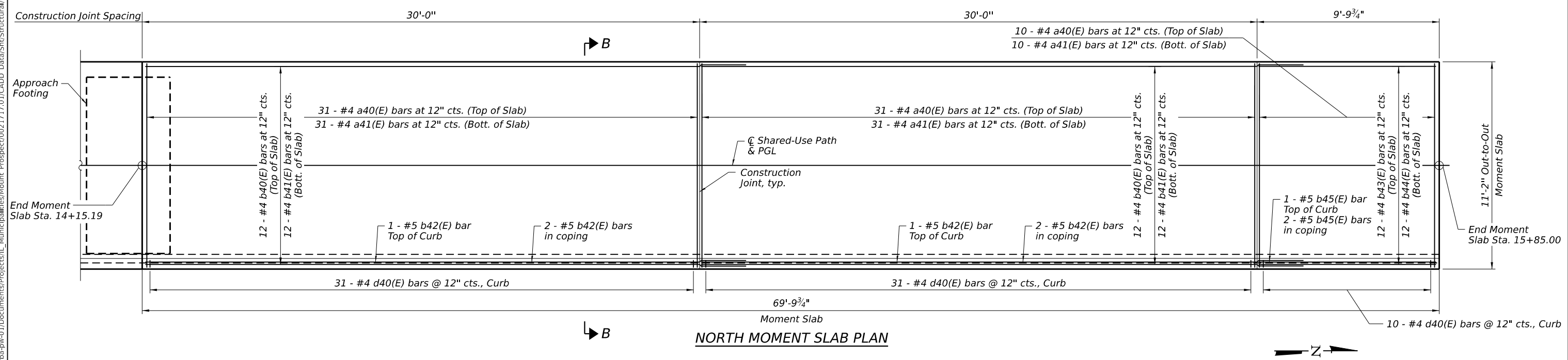
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			CONTRACT NO. 61M15	
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SOUTH MOMENT SLAB PLAN



NORTH MOMENT SLAB PLAN

MINIMUM BAR LAP
 (Moment Slab and Curb)
 #4 bar = 2'-5"
 #5 bar = 3'-0"



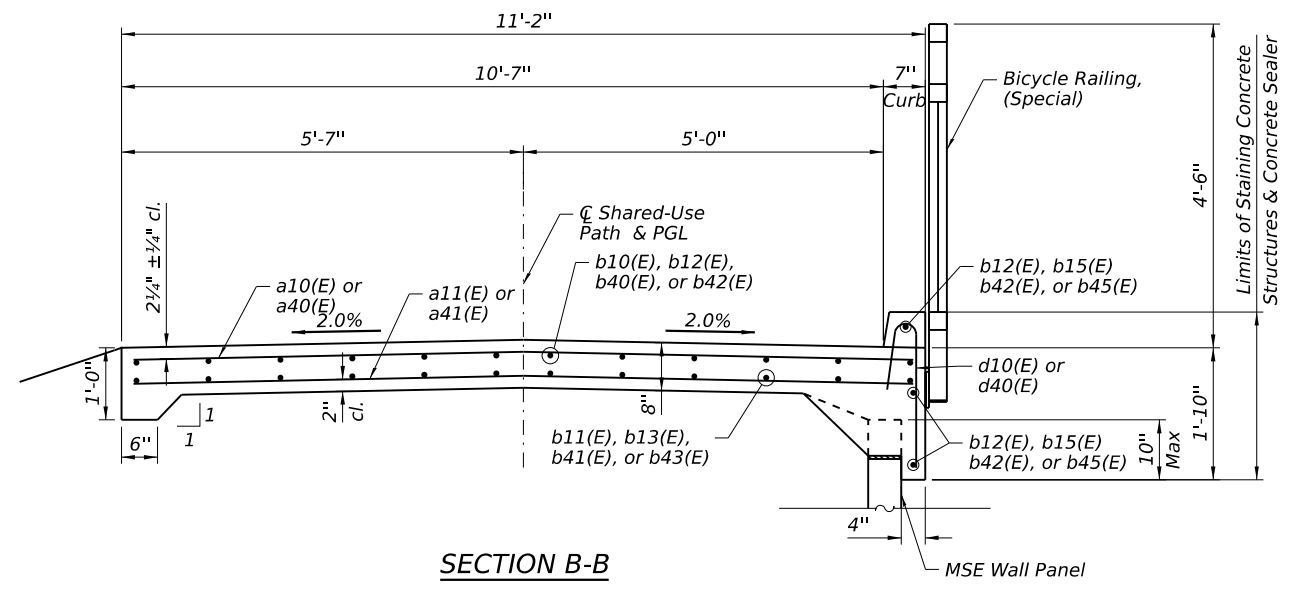
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STATE OF ILLINOIS
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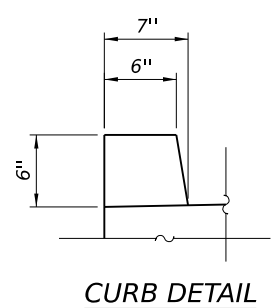
MOMENT SLAB DETAILS 1
STRUCTURE NO. 016-7542
 SHEET 5-41 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	112
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

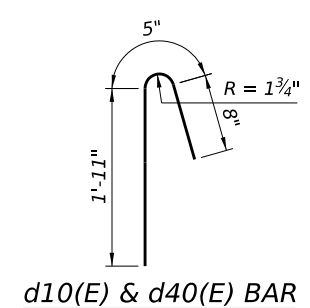
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SECTION B-B



CURB DETAIL



d10(E) & d40(E) BAR

BILL OF MATERIAL (SOUTH MOMENT SLAB)

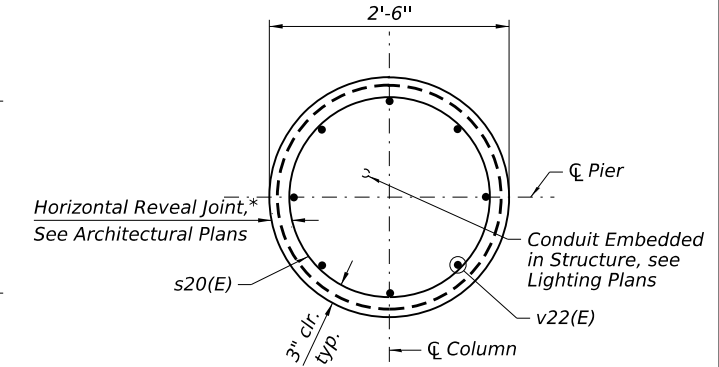
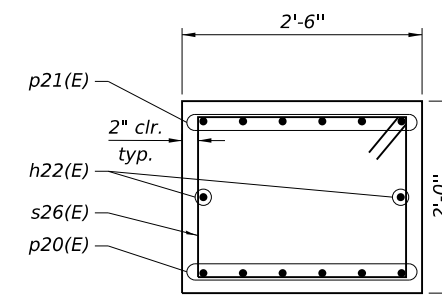
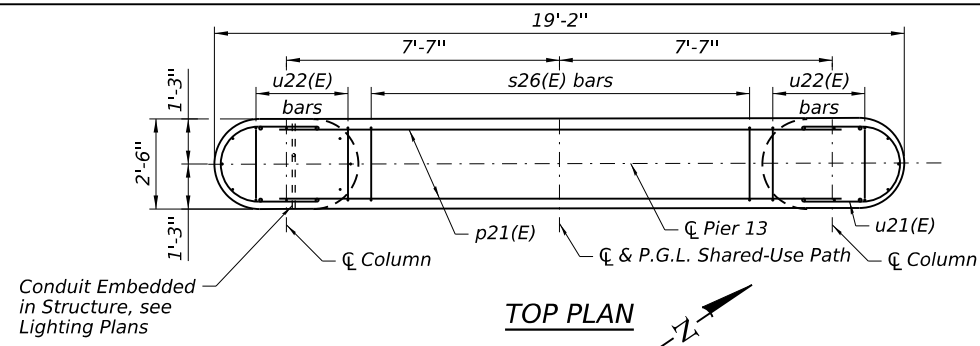
Bar	No.	Size	Length	Shape
a10(E)	65	#4	10'-10"	▬
a11(E)	65	#4	10'-10"	▬
b10(E)	12	#4	29'-8"	▬
b11(E)	12	#4	29'-8"	▬
b12(E)	3	#5	29'-8"	▬
b13(E)	12	#4	35'-6"	▬
b14(E)	12	#4	35'-6"	▬
b15(E)	3	#5	35'-6"	▬
d10(E)	65	#4	3'-0"	↑
Concrete Superstructure (Approach Slab)		Cu. Yd.	20.3	
Reinforcement Bars, Epoxy Coated		Pound	2,320	
Protective Coat		Sq. Yd.	83	
Concrete Sealer		Sq. Ft.	147	
Staining Concrete Structures		Sq. Ft.	147	

BILL OF MATERIAL (NORTH MOMENT SLAB)

Bar	No.	Size	Length	Shape
a40(E)	72	#4	10'-10"	▬
a41(E)	72	#4	10'-10"	▬
b40(E)	24	#4	32'-5"	▬
b41(E)	24	#4	32'-5"	▬
b42(E)	6	#5	32'-5"	▬
b43(E)	12	#4	9'-5"	▬
b44(E)	12	#4	9'-5"	▬
b45(E)	3	#5	9'-5"	▬
d40(E)	72	#5	3'-0"	↑
Concrete Superstructure (Approach Slab)		Cu. Yd.	23.3	
Reinforcement Bars, Epoxy Coated		Pound	2,700	
Protective Coat		Sq. Yd.	95	
Concrete Sealer		Sq. Ft.	163	
Staining Concrete Structures		Sq. Ft.	163	

NOTES:

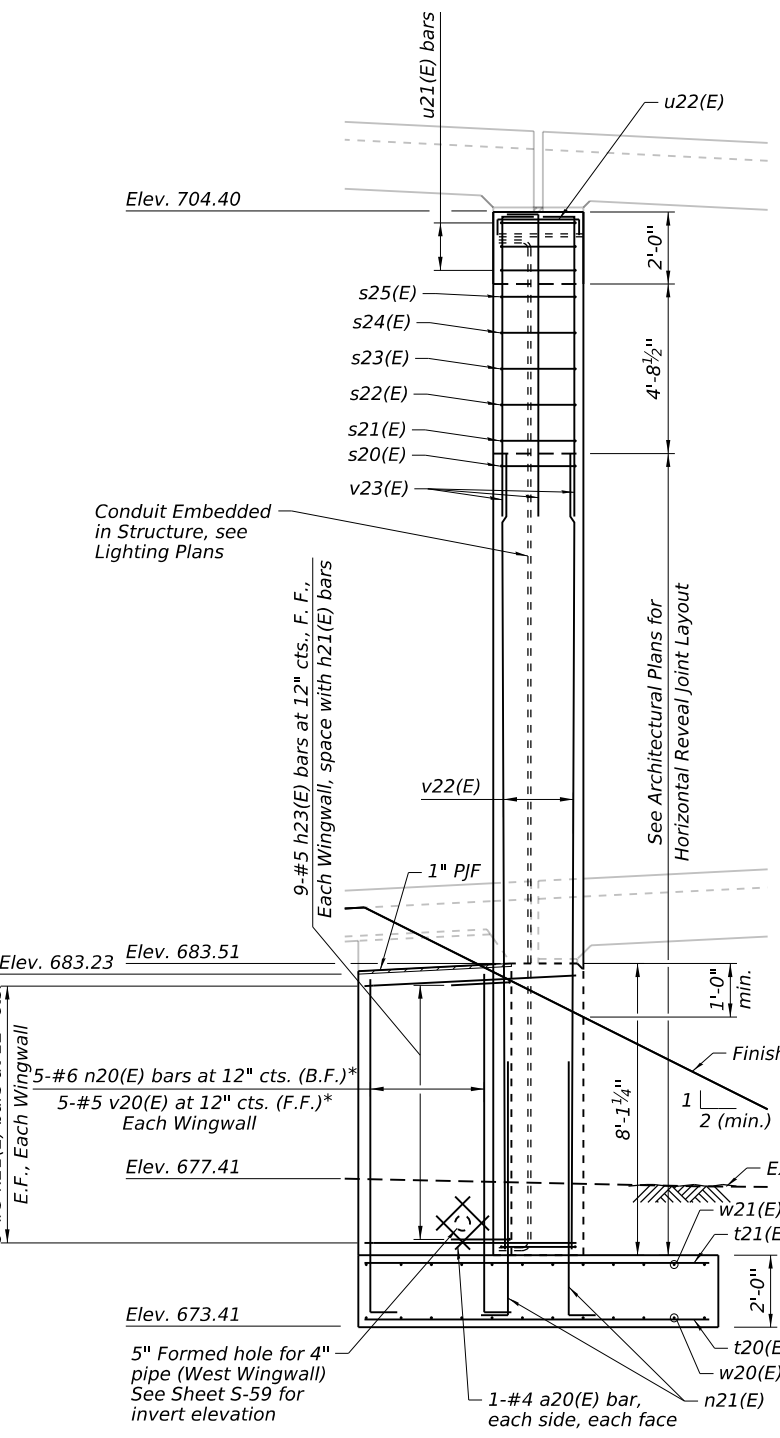
1. For details of Staining Concrete Structures, see Architectural Plans.
2. See Sheet S-43 for Detail A and Sections D-D and E-E.



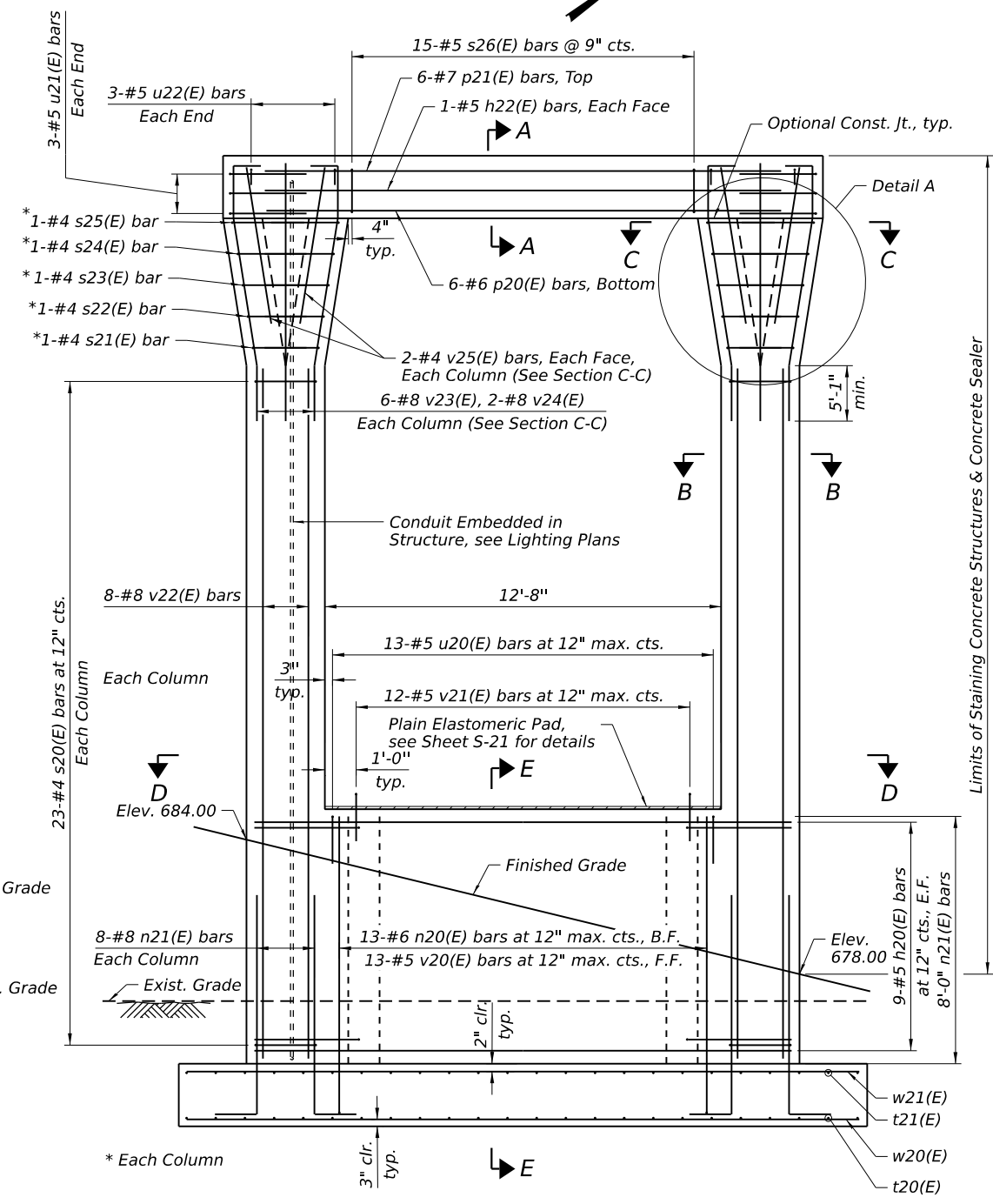
SECTION A-A

SECTION B-B

* Cost of Horizontal Reveal Joint included in Concrete Structures.

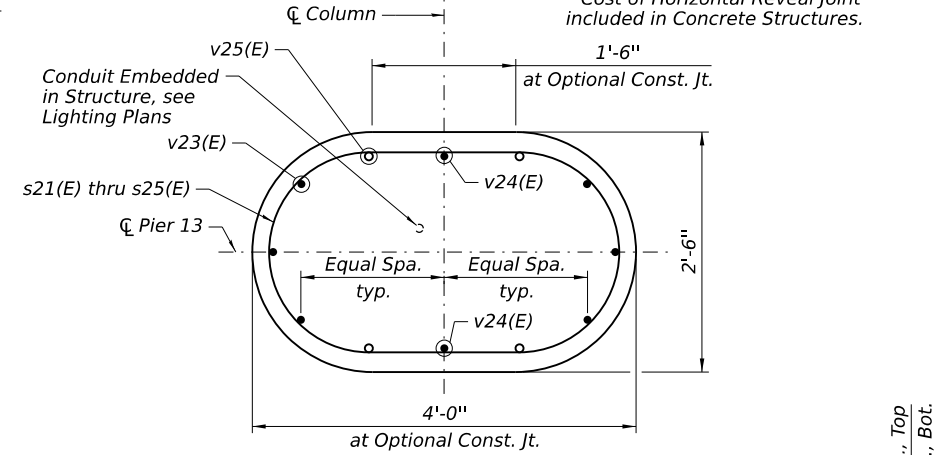


END VIEW AND WINGWALL ELEVATION

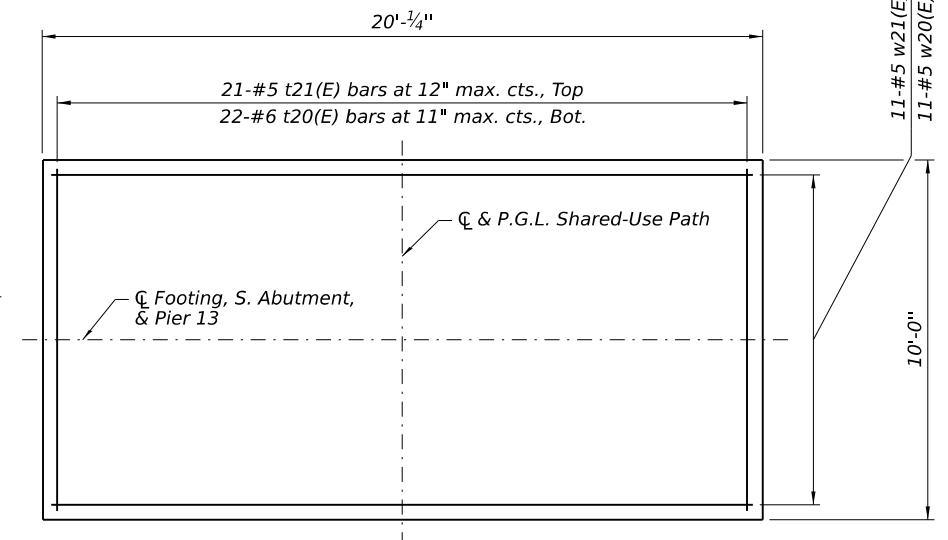


ELEVATION

Max. applied service bearing pressure $Q_{max} = 2.78$ ksf



SECTION C-C



FOOTING PLAN

MINIMUM BAR LAP

(Abutment & Pier Column)
#8 bar = 5'-1"

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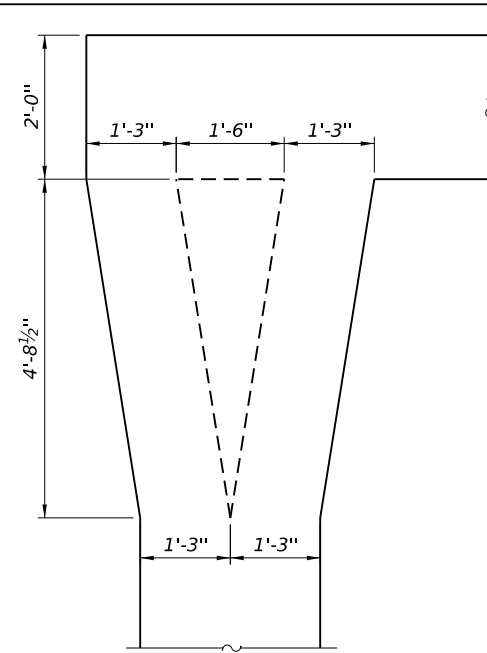
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

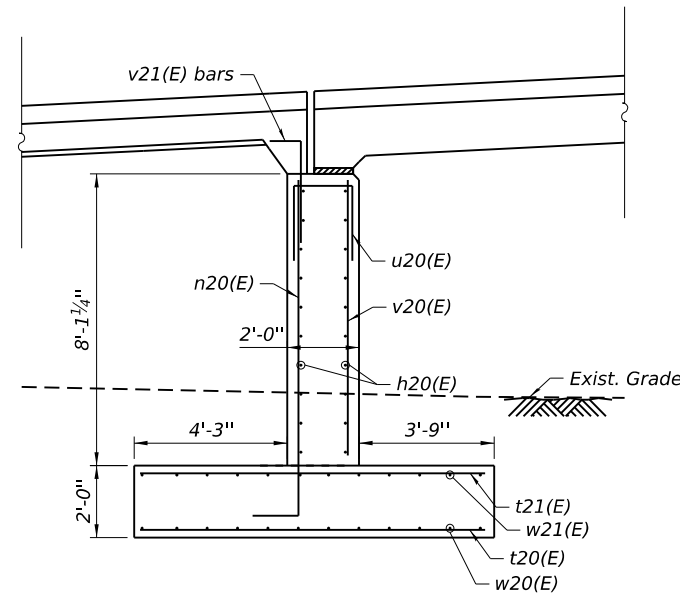
**SOUTH ABUTMENT & PIER 13 DETAILS 1
STRUCTURE NO. 016-7542**

SHEET S-43 OF S-68 SHEETS

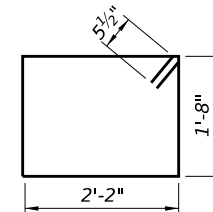
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3512	21-00174-00-BR	COOK	154	114
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				



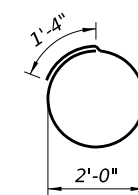
DETAIL A



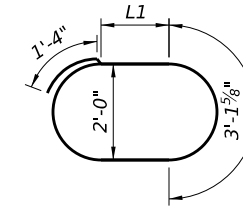
SECTION E-E



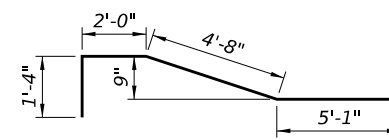
BAR s26(E)



BAR s20(E)

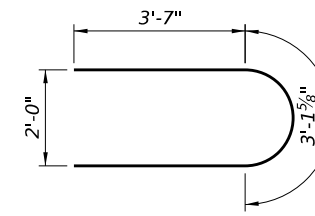


BARS s21(E) THRU s25(E)



BAR v23(E)

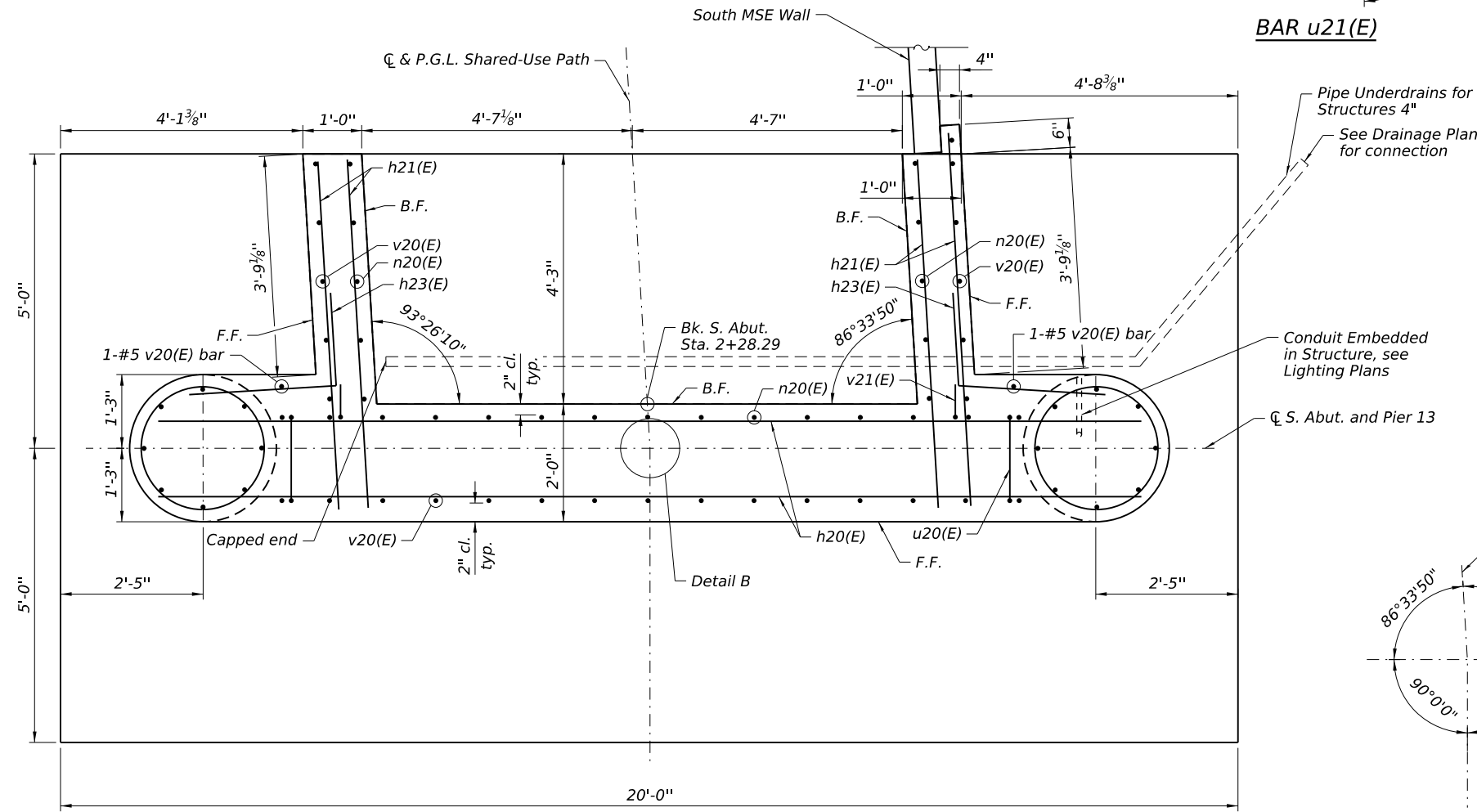
Bar	L1
s21(E)	3"
s22(E)	6"
s23(E)	9"
s24(E)	12"
s25(E)	15"



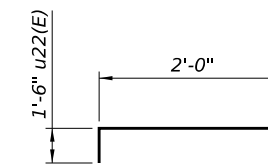
BAR u21(E)

BARS n20(E), n21(E), v21(E), & h23(E)

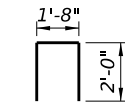
Bar	A	B
n20(E)	1'-0"	9'-7"
n21(E)	1'-4"	7'-0"
v21(E)	10"	3'-6"
h23(E)	1'-7"	2'-6"



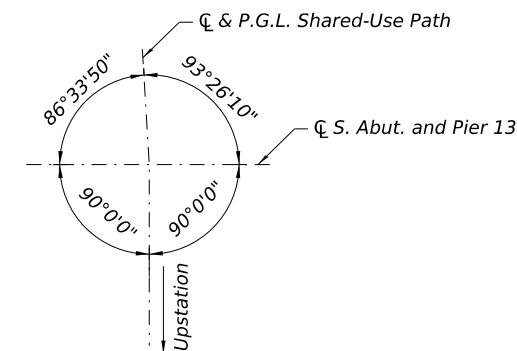
SECTION D-D



BARS u22(E)



BAR u20(E)



DETAIL B

Bar	No.	Size	Length	Shape
a20(E)	8	#4	1'-4"	—
h20(E)	18	#5	15'-8"	—
h21(E)	36	#5	5'-9"	—
h22(E)	2	#5	16'-4"	—
h23(E)	18	#5	4'-1"	—
n20(E)	23	#6	10'-7"	—
n21(E)	16	#8	8'-4"	—
p20(E)	6	#6	16'-4"	—
p21(E)	6	#7	16'-4"	—
s20(E)	46	#4	8'-3"	—
s21(E)	2	#4	8'-2"	—
s22(E)	2	#4	8'-8"	—
s23(E)	2	#4	9'-2"	—
s24(E)	2	#4	9'-8"	—
s25(E)	2	#4	10'-2"	—
s26(E)	15	#5	8'-7"	—
t20(E)	22	#6	9'-6"	—
t21(E)	21	#5	9'-6"	—
u20(E)	13	#5	5'-8"	—
u21(E)	6	#5	10'-4"	—
u22(E)	6	#5	5'-0"	—
v20(E)	25	#5	7'-7"	—
v21(E)	12	#5	4'-4"	—
v22(E)	16	#8	22'-2"	—
v23(E)	12	#8	13'-1"	—
v24(E)	4	#8	11'-3"	—
v25(E)	8	#4	5'-3"	—
w20(E)	11	#5	19'-6"	—
w21(E)	11	#5	19'-6"	—
Structure Excavation			Cu. Yd.	50
Concrete Structures			Cu. Yd.	51.2
Reinforcement Bars, Epoxy Coated			Pound	5,060
Granular Backfill for Structures			Cu. Yd.	12
Concrete Sealer			Sq. Ft.	676
Geocomposite Wall Drain			Sq. Yd.	16
Pipe Underdrains for Structures, 4"			Foot	16
Staining Concrete Structures			Sq. Ft.	676

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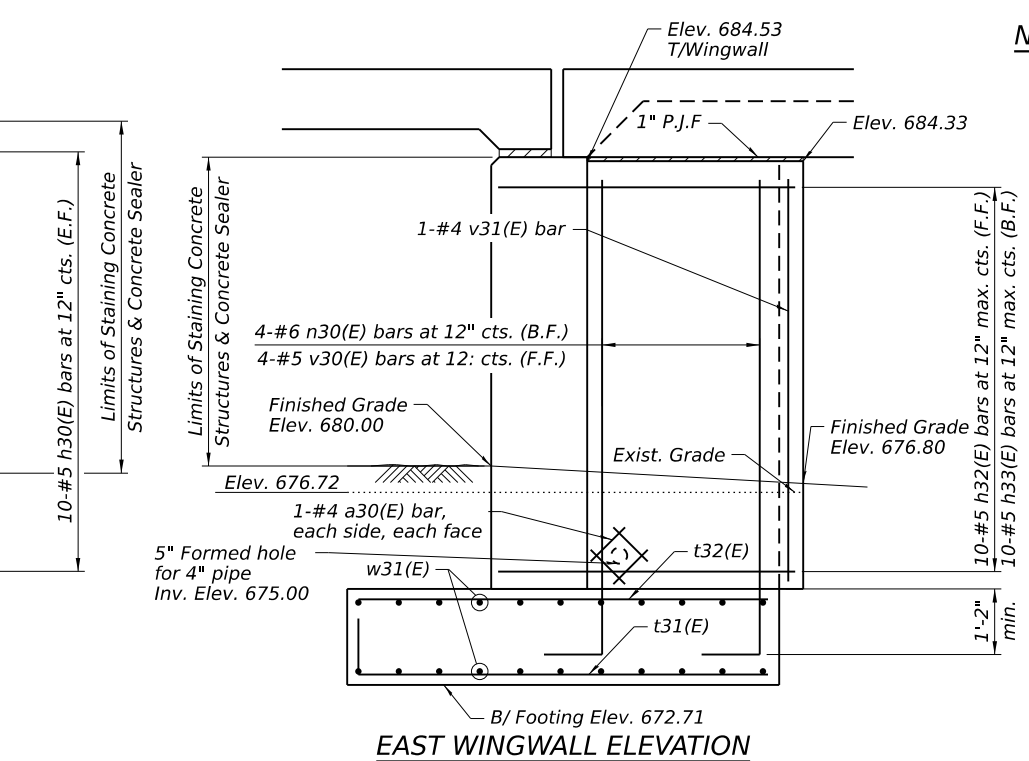
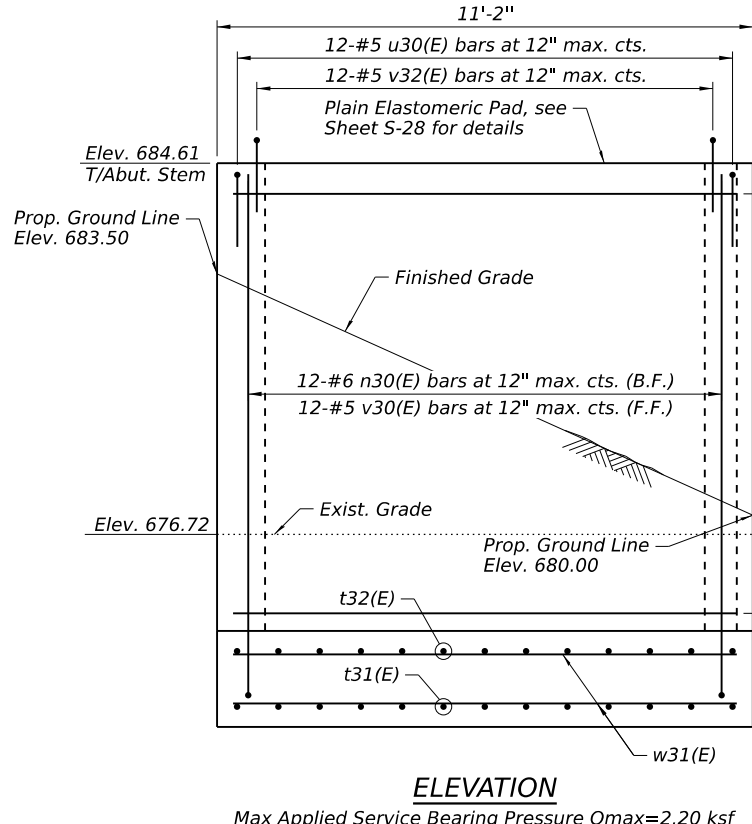
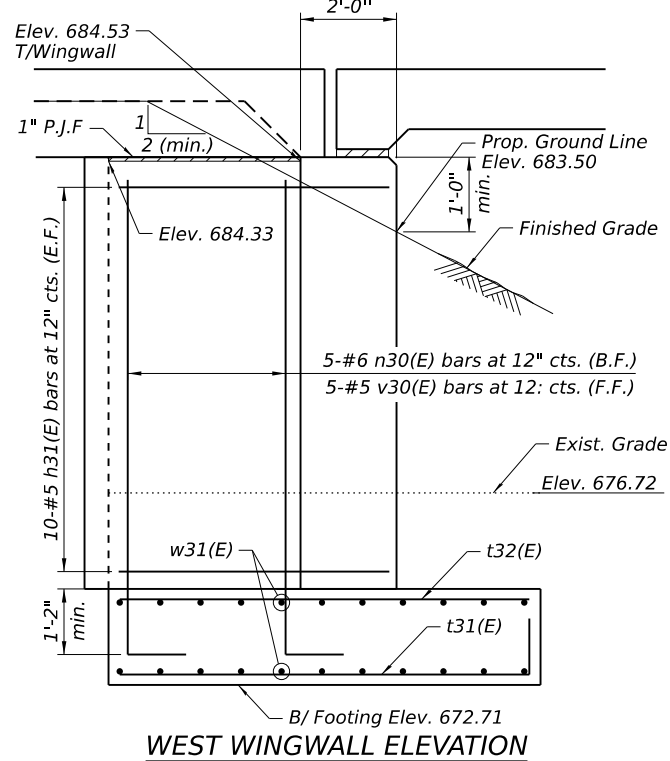
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT & PIER 13 DETAILS 2
 STRUCTURE NO. 016-7542

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	115
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				

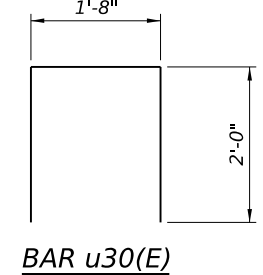
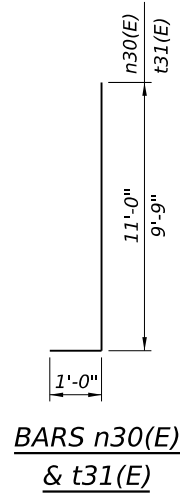
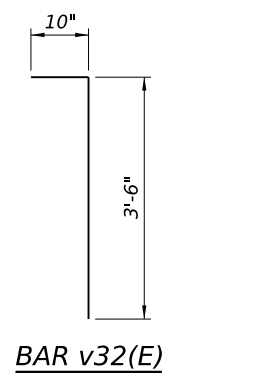
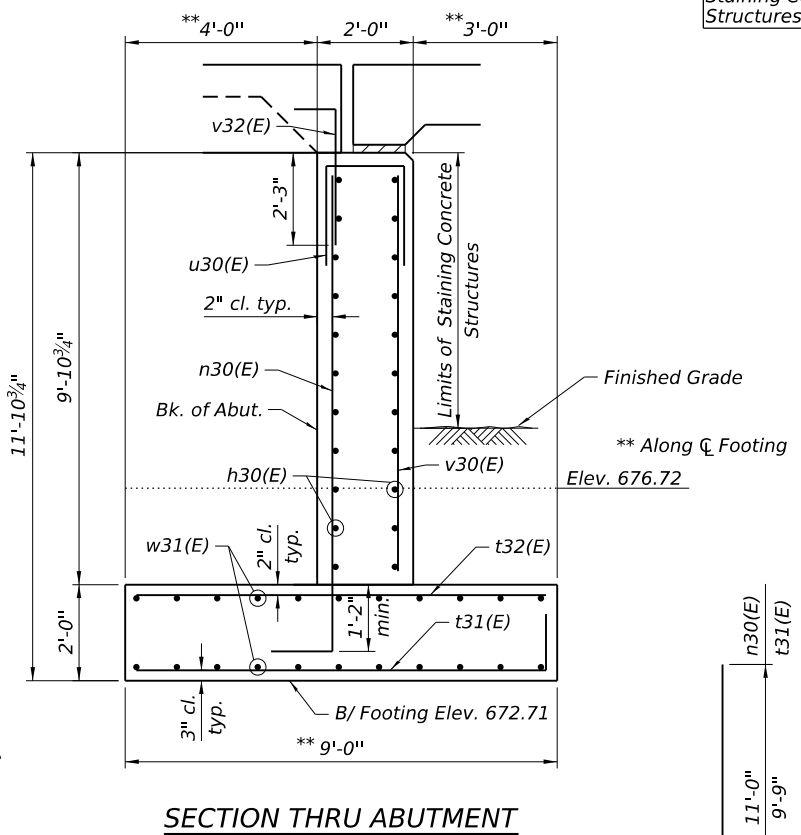
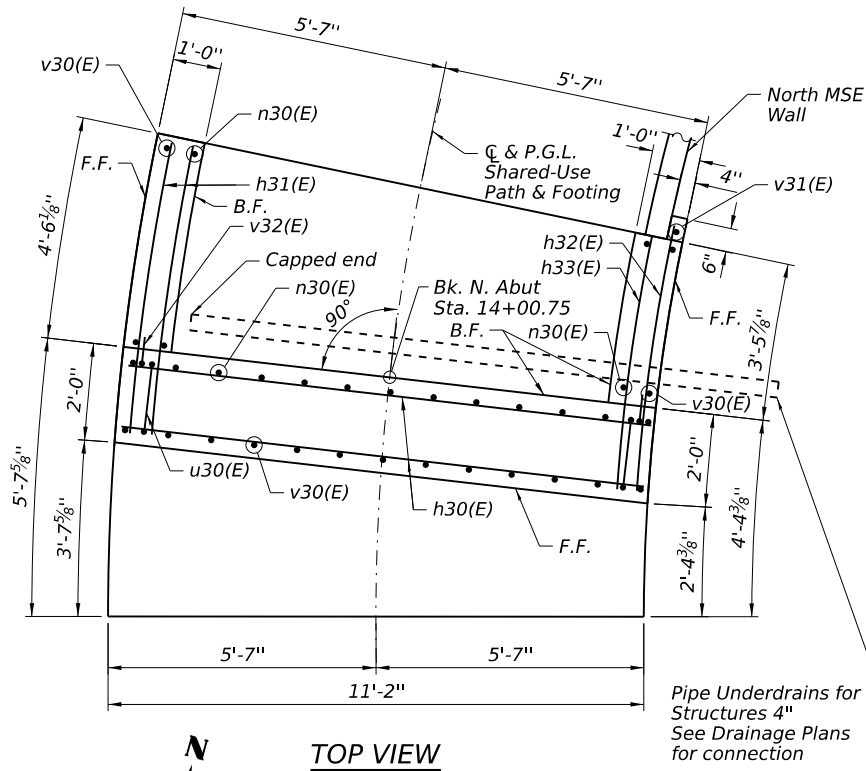
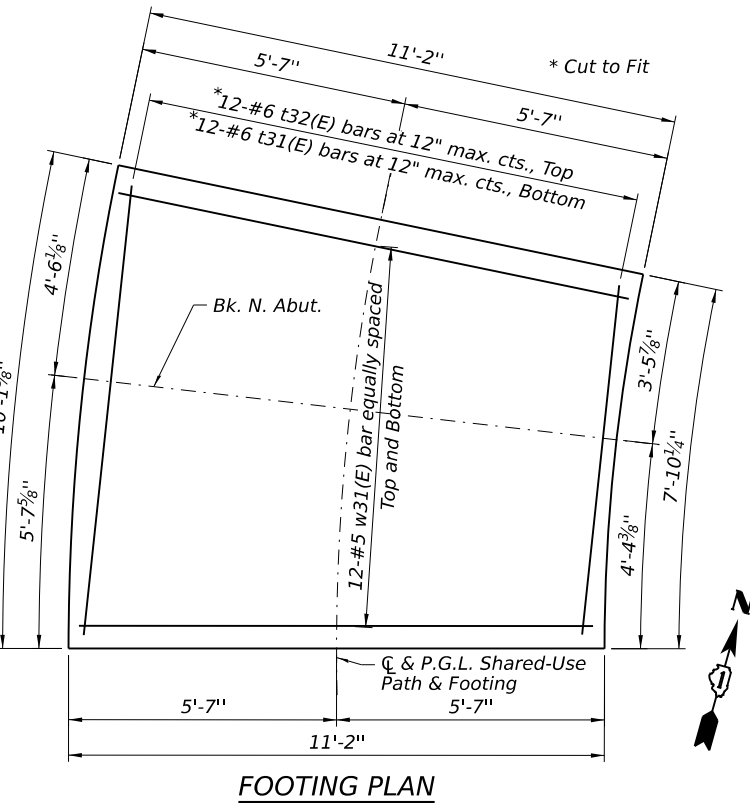
SHEET 5-44 OF 5-68 SHEETS

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NORTH ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a30(E)	8	#4	1'-4"	
h30(E)	20	#5	10'-10"	
h31(E)	20	#5	6'-2"	
h32(E)	10	#5	5'-7"	
h33(E)	10	#5	5'-1"	
n30(E)	21	#6	12'-0"	
t31(E)	12	#6	10'-9"	
t32(E)	12	#6	9'-9"	
u30(E)	12	#5	5'-8"	
v30(E)	21	#5	9'-3"	
v31(E)	1	#4	9'-3"	
v32(E)	12	#5	4'-4"	
w31(E)	24	#5	10'-10"	
Structure Excavation			Cu. Yd.	29
Concrete Structures			Cu. Yd.	18.6
Reinforcement Bars, Epoxy Coated			Pound	1,830
Granular Backfill for Structures			Cu. Yd.	12
Concrete Sealer			Sq. Ft.	68
Geocomposite Wall Drain			Sq. Yd.	18
Pipe Underdrains for Structures, 4"			Foot	16
Staining Concrete Structures			Sq. Ft.	68



USER NAME =	DESIGNED - APD	REVISED -
CHECKED - JMK	REVISED -	
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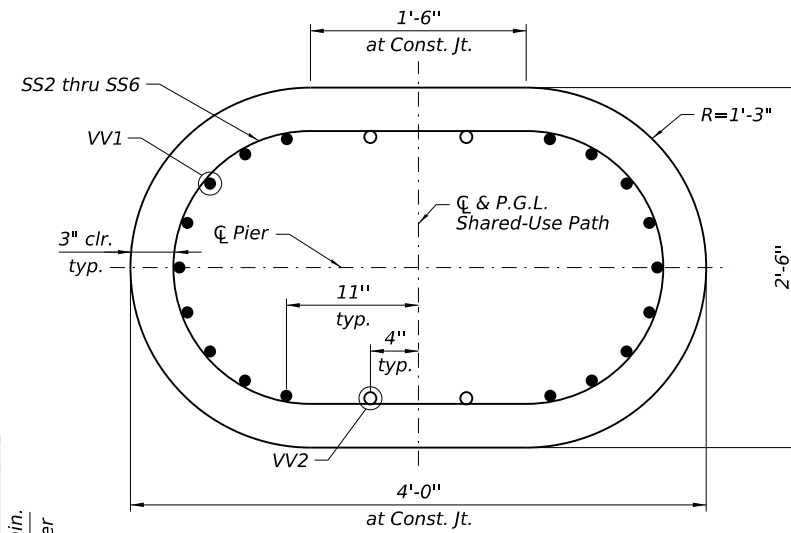
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT DETAILS
 STRUCTURE NO. 016-7542

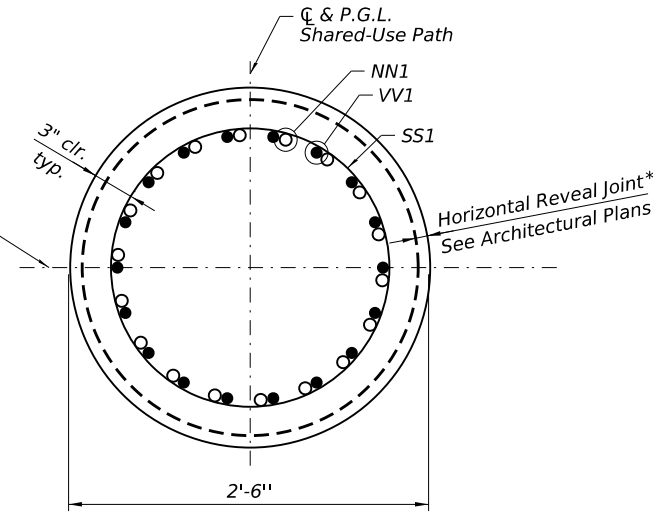
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	116
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				

PIER ELEVATION TABLE

Pier	Elevation A	Elevation B	Elevation C
2	687.17	676.54	672.29
3	688.77	676.55	672.55
4	690.52	676.21	670.71
5	692.12	672.99	666.99
6	693.72	675.36	669.36
7	695.32	679.96	675.46
8	696.92	678.82	674.57
9	698.52	677.53	673.53
10	700.12	676.88	672.63
11	701.52	676.83	672.83
14	706.72	677.60	673.60
17	707.16	677.66	673.66
21	700.30	676.43	671.43
22	698.57	678.48	674.48
23	696.85	679.33	675.08
24	695.12	679.21	674.96
25	693.39	677.91	673.66
26	686.61	675.50	671.25

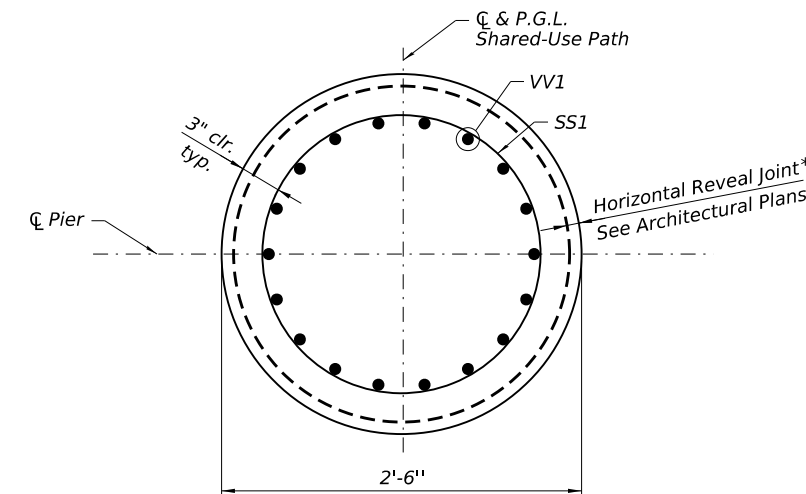


SECTION A-A



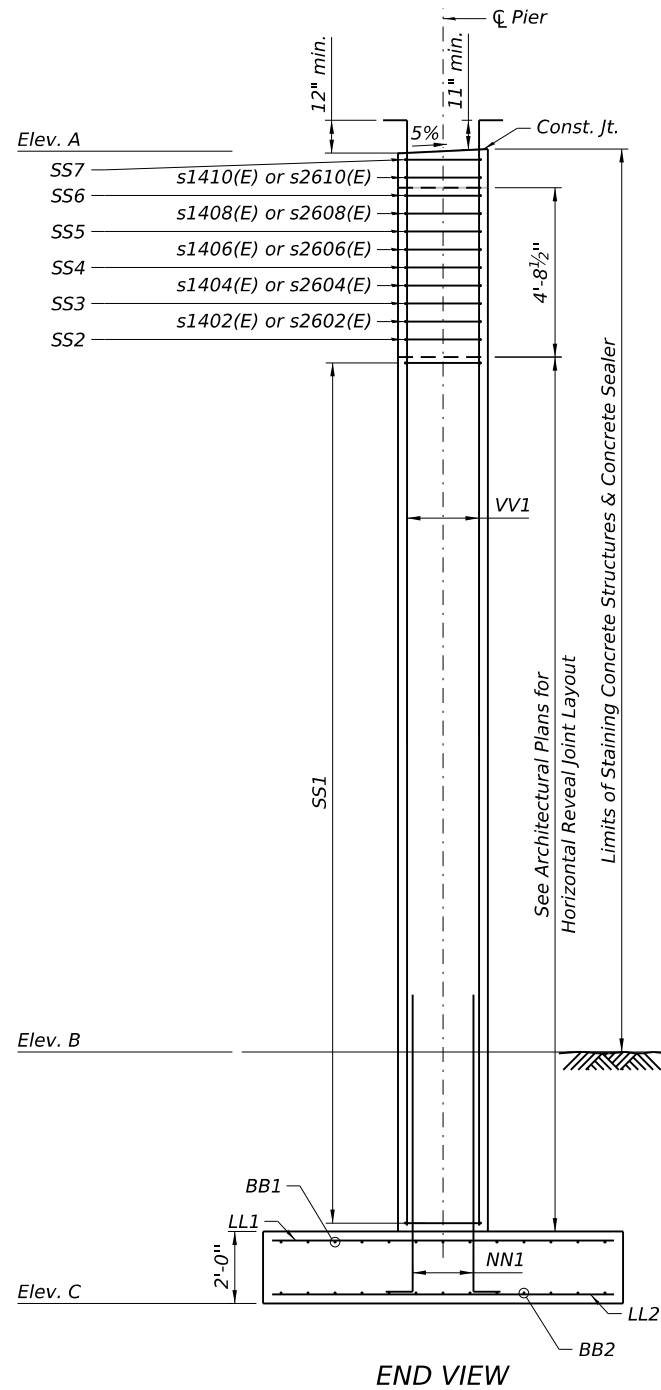
SECTION C-C

* Cost of Horizontal Joint Reveal included in Concrete Structures

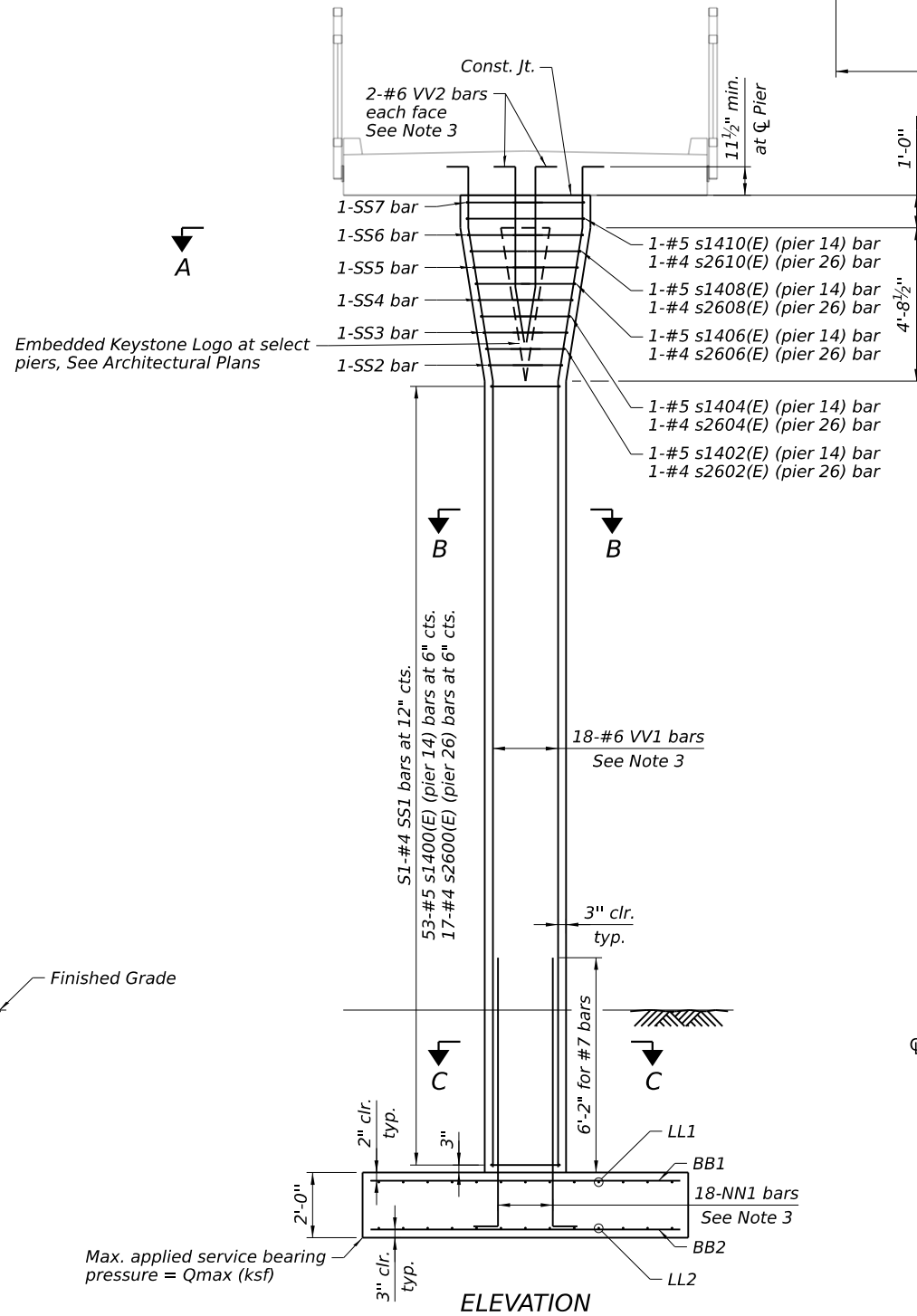


SECTION B-B

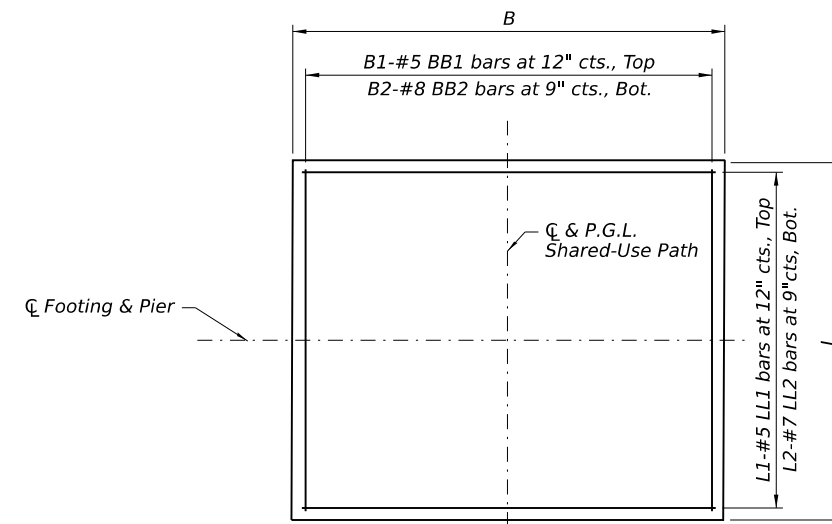
* Cost of Horizontal Joint Reveal included in Concrete Structures



END VIEW



ELEVATION



FOOTING PLAN

MINIMUM BAR LAP

(Pier Column)
 #4 bar = 1'-4"
 #7 bar = 6'-0"

NOTES:

- For details of Staining Concrete Structures, see Architectural Plans.
- For Dimensions B and L, bearing pressure Q, and for Reinforcement, see Table 1 on Sheet S-47.
- Column vertical bars are arranged to minimize conflicts with the slab reinforcement and shall be placed as shown in Sections A-A, B-B, & C-C with respect to pier and bridge centerlines.

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USER NAME =	DESIGNED - EJW	REVISED -
PLOT SCALE =	CHECKED - JMK	REVISED -
PLOT DATE =	DRAWN - EJW	REVISED -
	CHECKED - JMK	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PIER DETAILS 1
 STRUCTURE NO. 016-7542**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	117
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				

SHEET 5-46 OF 5-68 SHEETS

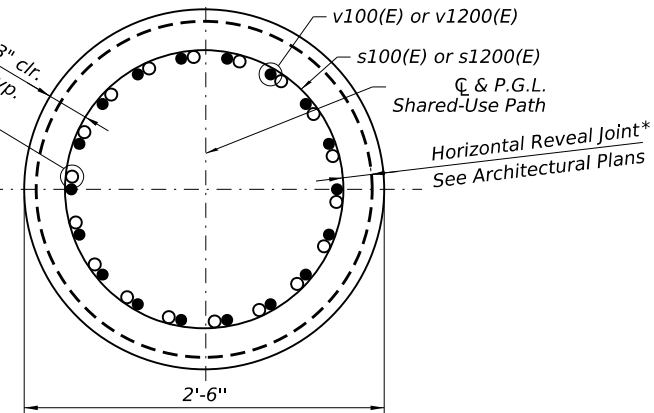
MINIMUM BAR LAP

(Pier Column)
 #4 bar = 1'-4"
 #7 bar = 6'-0"
 #8 bar = 7'-10"

NOTES:

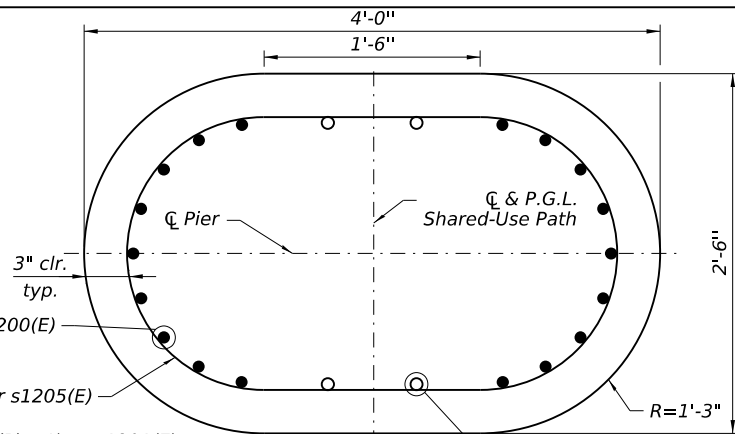
1. For details of Staining Concrete Structures, see Architectural Plans.

2. Vertical "n" bars are arranged to minimize conflicts with the slab reinforcement and shall be placed as shown in Sections A-A and B-B with respect to pier and bridge centerlines.

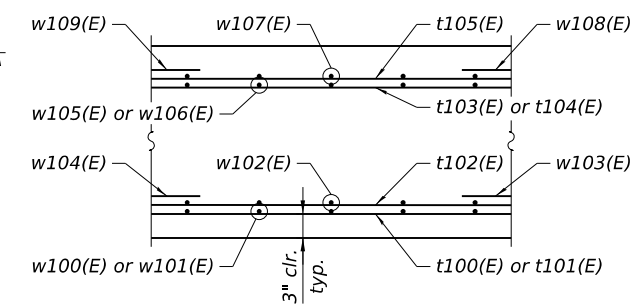


SECTION B-B

* Cost of Horizontal Reveal Joint included in Concrete Structures.



SECTION A-A



REINFORCEMENT PLACEMENT DETAIL

(Looking Upstation at Pier 1)

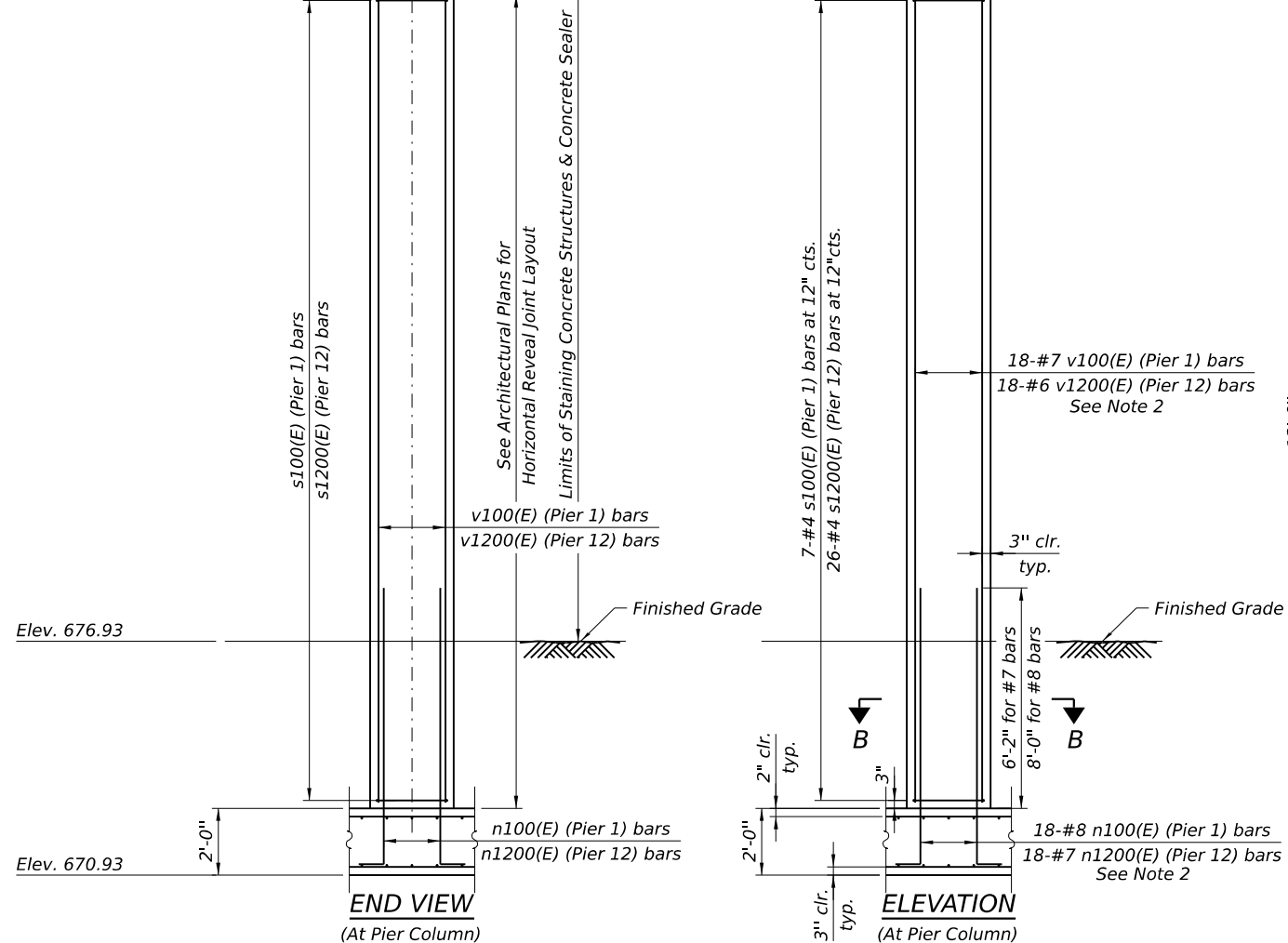
REINFORCEMENT PLACEMENT

1. Place bott. trans. t100(E) & t101(E) bars.
2. Place bott. long. w100(E) & w101(E) bars.
3. Place bott. trans. t102(E) bars.
4. Place bott. long. w102(E) bars.
5. Place bott. long. w103(E) & w104(E) bars.
6. Place top trans. t103(E) & t104(E) bars.
7. Place top long. w105(E) & w106(E) bars.
8. Place top trans. t105(E) bars.
9. Place top long. w107(E) bars.
10. Place top long. w109(E) & w108(E) bars.

Pier 1 Elev. 685.57
 Pier 12 Elev. 702.92

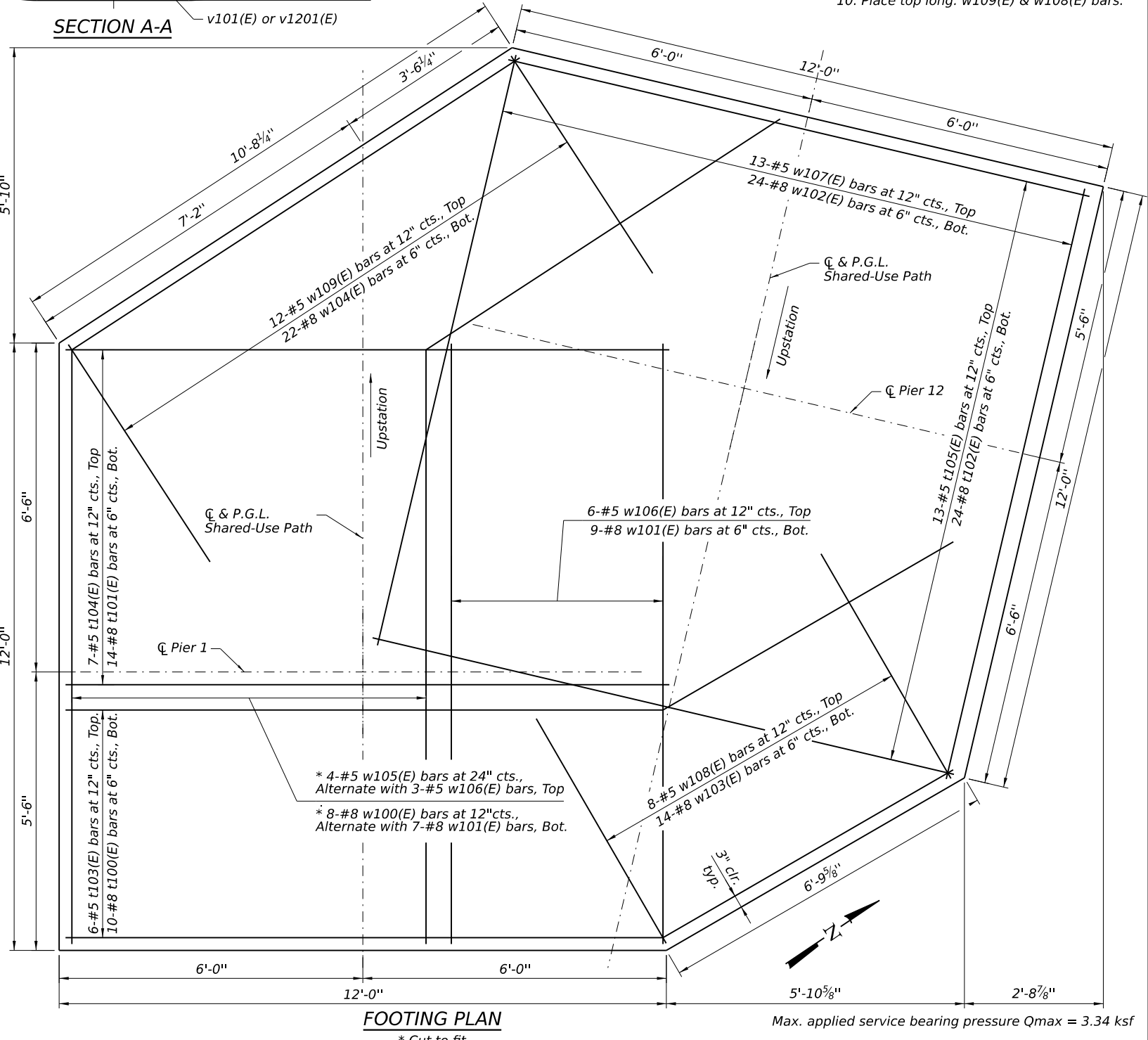
- s106(E) (Pier 1) or s1206(E) (Pier 12)
- s105(E) (Pier 1) or s1205(E) (Pier 12)
- s104(E) (Pier 1) or s1204(E) (Pier 12)
- s103(E) (Pier 1) or s1203(E) (Pier 12)
- s102(E) (Pier 1) or s1202(E) (Pier 12)
- s101(E) (Pier 1) or s1201(E) (Pier 12)

- 1-#4 s106(E) or s1206(E) bar
- 1-#4 s105(E) or s1205(E) bar
- 1-#4 s104(E) or s1204(E) bar
- 1-#4 s103(E) or s1203(E) bar
- 1-#4 s102(E) or s1202(E) bar
- 1-#4 s101(E) or s1201(E) bar



END VIEW
(At Pier Column)

ELEVATION
(At Pier Column)



FOOTING PLAN

* Cut to fit

Max. applied service bearing pressure $Q_{max} = 3.34$ ksf

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USER NAME =	DESIGNED - EJW	REVISED -
PLOT SCALE =	CHECKED - JMK	REVISED -
PLOT DATE =	DRAWN - EJW	REVISED -
	CHECKED - JMK	REVISED -

STATE OF ILLINOIS
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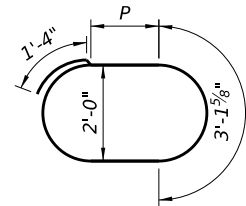
PIER DETAILS 2
STRUCTURE NO. 016-7542

SHEET 5-47 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	118
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

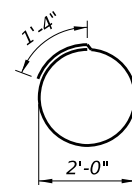
TABLE 1

Pier	Dimension "B"	Dimension "L"	B1	BB1	B2	BB2	L1	LL1	L2	LL2	NN1	VV1	VV2	S1	SS1	SS2	SS3	SS4	SS5	SS6	SS7	Qmax (ksf)
2	10'-0"	12'-0"	11	t201(E)	14	t200(E)	13	w201(E)	16	w200(E)	n200(E)	v200(E)	v201(E)	8	s200(E)	#4 s201(E)	#4 s202(E)	#4 s203(E)	#4 s204(E)	#4 s205(E)	#4 s206(E)	3.07
3	10'-0"	12'-0"	11	t301(E)	14	t300(E)	13	w301(E)	16	w300(E)	n300(E)	v300(E)	v301(E)	10	s300(E)	#4 s301(E)	#4 s302(E)	#4 s303(E)	#4 s304(E)	#4 s305(E)	#4 s306(E)	3.07
4	10'-0"	12'-0"	11	t401(E)	14	t400(E)	13	w401(E)	16	w400(E)	n400(E)	v400(E)	v401(E)	14	s400(E)	#4 s401(E)	#4 s402(E)	#4 s403(E)	#4 s404(E)	#4 s405(E)	#4 s406(E)	3.07
5	10'-0"	12'-0"	11	t501(E)	14	t500(E)	13	w501(E)	16	w500(E)	n500(E)	v500(E)	v501(E)	19	s500(E)	#4 s501(E)	#4 s502(E)	#4 s503(E)	#4 s504(E)	#4 s505(E)	#4 s506(E)	3.07
6	12'-0"	12'-0"	13	t601(E)	16	t600(E)	13	w601(E)	16	w600(E)	n600(E)	v600(E)	v601(E)	18	s600(E)	#4 s601(E)	#4 s602(E)	#4 s603(E)	#4 s604(E)	#4 s605(E)	#4 s606(E)	2.64
7	12'-0"	12'-0"	13	t701(E)	16	t700(E)	13	w701(E)	16	w700(E)	n700(E)	v700(E)	v701(E)	14	s700(E)	#4 s701(E)	#4 s702(E)	#4 s703(E)	#4 s704(E)	#4 s705(E)	#4 s706(E)	2.64
8	10'-0"	12'-0"	11	t801(E)	14	t800(E)	13	w801(E)	16	w800(E)	n800(E)	v800(E)	v801(E)	16	s800(E)	#4 s801(E)	#4 s802(E)	#4 s803(E)	#4 s804(E)	#4 s805(E)	#4 s806(E)	3.07
9	10'-0"	10'-0"	11	t901(E)	14	t900(E)	11	w901(E)	14	w900(E)	n900(E)	v900(E)	v901(E)	19	s900(E)	#4 s901(E)	#4 s902(E)	#4 s903(E)	#4 s904(E)	#4 s905(E)	#4 s906(E)	2.89
10	10'-0"	10'-0"	11	t1001(E)	14	t1000(E)	11	w1001(E)	14	w1000(E)	n1000(E)	v1000(E)	v1001(E)	21	s1000(E)	#4 s1001(E)	#4 s1002(E)	#4 s1003(E)	#4 s1004(E)	#4 s1005(E)	#4 s1006(E)	2.89
11	10'-0"	10'-0"	11	t1101(E)	14	t1100(E)	11	w1101(E)	14	w1100(E)	n1100(E)	v1100(E)	v1101(E)	22	s1100(E)	#4 s1101(E)	#4 s1102(E)	#4 s1103(E)	#4 s1104(E)	#4 s1105(E)	#4 s1106(E)	2.89
14	12'-0"	12'-0"	13	t1401(E)	16	t1400(E)	13	w1401(E)	16	w1400(E)	n1400(E)	v1400(E)	v1401(E)	53	-	#5 s1401(E)	#5 s1403(E)	#5 s1405(E)	#5 s1407(E)	#5 s1409(E)	#5 s1410(E)	2.64
17	10'-0"	10'-0"	11	t1701(E)	14	t1700(E)	11	w1701(E)	14	w1700(E)	n1700(E)	v1700(E)	v1701(E)	27	s1700(E)	#4 s1701(E)	#4 s1702(E)	#4 s1703(E)	#4 s1704(E)	#4 s1705(E)	#4 s1706(E)	2.89
21	10'-0"	10'-0"	11	t2101(E)	14	t2100(E)	11	w2101(E)	14	w2100(E)	n2100(E)	v2100(E)	v2101(E)	22	s2100(E)	#4 s2101(E)	#4 s2102(E)	#4 s2103(E)	#4 s2104(E)	#4 s2105(E)	#4 s2106(E)	2.89
22	10'-0"	10'-0"	11	t2201(E)	14	t2200(E)	11	w2201(E)	14	w2200(E)	n2200(E)	v2200(E)	v2201(E)	18	s2200(E)	#4 s2201(E)	#4 s2202(E)	#4 s2203(E)	#4 s2204(E)	#4 s2205(E)	#4 s2206(E)	2.89
23	10'-0"	10'-0"	11	t2301(E)	14	t2300(E)	11	w2301(E)	14	w2300(E)	n2300(E)	v2300(E)	v2301(E)	15	s2300(E)	#4 s2301(E)	#4 s2302(E)	#4 s2303(E)	#4 s2304(E)	#4 s2305(E)	#4 s2306(E)	2.89
24	10'-0"	10'-0"	11	t2401(E)	14	t2400(E)	11	w2401(E)	14	w2400(E)	n2400(E)	v2400(E)	v2401(E)	14	s2400(E)	#4 s2401(E)	#4 s2402(E)	#4 s2403(E)	#4 s2404(E)	#4 s2405(E)	#4 s2406(E)	2.89
25	10'-0"	10'-0"	11	t2501(E)	14	t2500(E)	11	w2501(E)	14	w2500(E)	n2500(E)	v2500(E)	v2501(E)	13	s2500(E)	#4 s2501(E)	#4 s2502(E)	#4 s2503(E)	#4 s2504(E)	#4 s2505(E)	#4 s2506(E)	2.89
26	10'-0"	12'-0"	11	t2601(E)	14	t2600(E)	13	w2601(E)	16	w2600(E)	n2600(E)	v2600(E)	v2601(E)	17	-	#4 s2601(E)	#4 s2603(E)	#4 s2605(E)	#4 s2607(E)	#4 s2609(E)	#4 s2610(E)	3.07

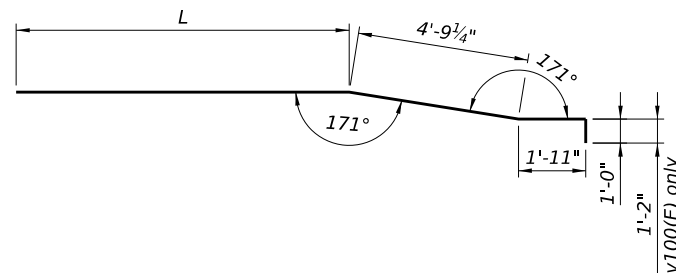


Bar	P
SS2	3"
s1402(E), s2602(E)	4 1/2"
SS3	6"
s1404(E), s2604(E)	7 1/2"
SS4	9"
s1406(E), s2606(E)	10 1/2"
SS5	12"
s1408(E), s2608(E)	13 1/2"
SS6	15"
SS7	18"

BARS s101(E) thru s106(E), s201(E) thru s206(E), s301(E) thru s306(E), s401(E) thru s406(E), s501(E) thru s506(E), s601(E) thru s606(E), s701(E) thru s706(E), s801(E) thru s806(E), s901(E) thru s906(E), s1001(E) thru s1006(E), s1101(E) thru s1106(E), s1201(E) thru s1206(E), s1401(E) thru s1410(E), s1701(E) thru s1706(E), s2101(E) thru s2106(E), s2201(E) thru s2206(E), s2301(E) thru s2306(E), s2401(E) thru s2406(E), s2501(E) thru s2506(E), & s2601(E) thru s2610(E)

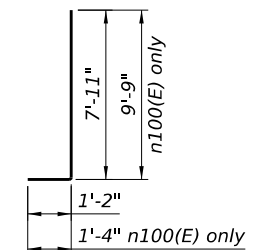
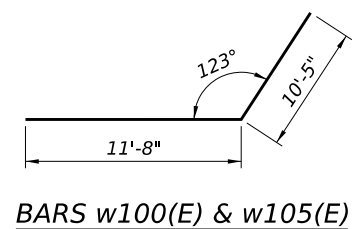
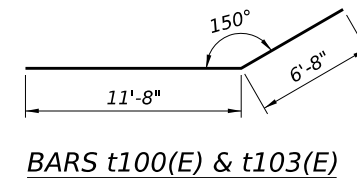


BARS s100(E), s200(E), s300(E), s400(E), s500(E), s600(E), s700(E), s800(E), s900(E), s1000(E), s1100(E), s1200(E), s1400(E), s1700(E), s2100(E), s2200(E), s2300(E), s2400(E), s2500(E), & s2600(E)



BARS v100(E), v200(E), v300(E), v400(E), v500(E), v600(E), v700(E), v800(E), v900(E), v1000(E), v1100(E), v1200(E), v1400(E), v1700(E), v2100(E), v2200(E), v2300(E), v2400(E), v2500(E), & v2600(E)

Bar	L
v100(E)	6'-10"
v200(E)	7'-1"
v300(E)	8'-4"
v400(E)	11'-11"
v500(E)	17'-3"
v600(E)	16'-6"
v700(E)	12'-0"
v800(E)	14'-6"
v900(E)	17'-2"
v1000(E)	19'-7"
v1100(E)	20'-10"
v1200(E)	24'-2"
v1400(E)	25'-3"
v1700(E)	25'-8"
v2100(E)	21'-0"
v2200(E)	16'-3"
v2300(E)	13'-11"
v2400(E)	12'-4"
v2500(E)	11'-11"
v2600(E)	7'-6"



BARS v101(E), v201(E), v301(E), v401(E), v501(E), v601(E), v701(E), v801(E), v901(E), v1001(E), v1101(E), v1201(E), v1401(E), v1701(E), v2101(E), v2201(E), v2301(E), v2401(E), v2501(E), & v2601(E)

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PLOT SCALE =	CHECKED - JMK	REVISED -
PLOT DATE =	DRAWN - EJW	REVISED -
	CHECKED - JMK	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIER DETAILS 3
 STRUCTURE NO. 016-7542

SHEET 5-48 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	119
CONTRACT NO.			61M15	
ILLINOIS			FED. AID PROJECT	

PIER 1 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n100(E)	18	#8	11'-1"	—
s100(E)	8	#4	7'-8"	○
s101(E)	1	#4	8'-2"	○
s102(E)	1	#4	8'-8"	○
s103(E)	1	#4	9'-2"	○
s104(E)	1	#4	9'-8"	○
s105(E)	1	#4	10'-2"	○
s106(E)	1	#4	10'-5"	○
t100(E)	10	#8	18'-4"	—
t101(E)	14	#8	11'-9"	—
t102(E)	24	#8	11'-8"	—
t103(E)	6	#5	18'-4"	—
t104(E)	7	#5	11'-9"	—
t105(E)	13	#5	11'-8"	—
v100(E)	18	#7	14'-9"	—
v101(E)	4	#6	6'-5"	—
w100(E)	8	#8	22'-1"	—
w101(E)	9	#8	11'-8"	—
w102(E)	24	#8	11'-8"	—
w103(E)	14	#8	5'-0"	—
w104(E)	22	#8	5'-0"	—
w105(E)	4	#5	22'-1"	—
w106(E)	6	#5	11'-8"	—
w107(E)	13	#5	11'-8"	—
w108(E)	8	#5	5'-0"	—
w109(E)	12	#5	5'-0"	—
Structure Excavation			Cu. Yd.	98
Concrete Structures			Cu. Yd.	24.3
Reinforcement Bars, Epoxy Coated			Pound	5,640
Concrete Sealer			Sq. Ft.	78
Staining Concrete Structures			Sq. Ft.	78

PIER 2 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n200(E)	18	#7	9'-1"	—
s200(E)	8	#4	7'-8"	○
s201(E)	1	#4	8'-2"	○
s202(E)	1	#4	8'-8"	○
s203(E)	1	#4	9'-2"	○
s204(E)	1	#4	9'-8"	○
s205(E)	1	#4	10'-2"	○
s206(E)	1	#4	10'-5"	○
t200(E)	14	#8	11'-6"	—
t201(E)	11	#5	11'-6"	—
v200(E)	18	#6	14'-10"	—
v201(E)	4	#6	6'-5"	—
w200(E)	16	#7	9'-6"	—
w201(E)	13	#5	9'-6"	—
Structure Excavation			Cu. Yd.	35
Concrete Structures			Cu. Yd.	11.7
Reinforcement Bars, Epoxy Coated			Pound	1,860
Concrete Sealer			Sq. Ft.	94
Staining Concrete Structures			Sq. Ft.	94

PIER 8 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n800(E)	18	#7	9'-1"	—
s800(E)	16	#4	7'-8"	○
s801(E)	1	#4	8'-2"	○
s802(E)	1	#4	8'-8"	○
s803(E)	1	#4	9'-2"	○
s804(E)	1	#4	9'-8"	○
s805(E)	1	#4	10'-2"	○
s806(E)	1	#4	10'-5"	○
t800(E)	14	#8	11'-6"	—
t801(E)	11	#5	11'-6"	—
v800(E)	18	#6	22'-3"	—
v801(E)	4	#6	6'-5"	—
w800(E)	16	#7	9'-6"	—
w801(E)	13	#5	9'-6"	—
Structure Excavation			Cu. Yd.	35
Concrete Structures			Cu. Yd.	13.1
Reinforcement Bars, Epoxy Coated			Pound	2,100
Concrete Sealer			Sq. Ft.	152
Staining Concrete Structures			Sq. Ft.	152

PIER 3 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n300(E)	18	#7	9'-1"	—
s300(E)	10	#4	7'-8"	○
s301(E)	1	#4	8'-2"	○
s302(E)	1	#4	8'-8"	○
s303(E)	1	#4	9'-2"	○
s304(E)	1	#4	9'-8"	○
s305(E)	1	#4	10'-2"	○
s306(E)	1	#4	10'-5"	○
t300(E)	14	#8	11'-6"	—
t301(E)	11	#5	11'-6"	—
v300(E)	18	#6	16'-1"	—
v301(E)	4	#6	6'-5"	—
w300(E)	16	#7	9'-6"	—
w301(E)	13	#5	9'-6"	—
Structure Excavation			Cu. Yd.	33
Concrete Structures			Cu. Yd.	11.9
Reinforcement Bars, Epoxy Coated			Pound	1,900
Concrete Sealer			Sq. Ft.	106
Staining Concrete Structures			Sq. Ft.	106

PIER 9 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n900(E)	18	#7	9'-1"	—
s900(E)	19	#4	7'-8"	○
s901(E)	1	#4	8'-2"	○
s902(E)	1	#4	8'-8"	○
s903(E)	1	#4	9'-2"	○
s904(E)	1	#4	9'-8"	○
s905(E)	1	#4	10'-2"	○
s906(E)	1	#4	10'-5"	○
t900(E)	14	#8	9'-6"	—
t901(E)	11	#5	9'-6"	—
v900(E)	18	#6	24'-11"	—
v901(E)	4	#6	6'-5"	—
w900(E)	14	#7	9'-6"	—
w901(E)	11	#5	9'-6"	—
Structure Excavation			Cu. Yd.	29
Concrete Structures			Cu. Yd.	12.1
Reinforcement Bars, Epoxy Coated			Pound	2,030
Concrete Sealer			Sq. Ft.	175
Staining Concrete Structures			Sq. Ft.	175

PIER 4 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n400(E)	18	#7	9'-1"	—
s400(E)	14	#4	7'-8"	○
s401(E)	1	#4	8'-2"	○
s402(E)	1	#4	8'-8"	○
s403(E)	1	#4	9'-2"	○
s404(E)	1	#4	9'-8"	○
s405(E)	1	#4	10'-2"	○
s406(E)	1	#4	10'-5"	○
t400(E)	14	#8	11'-6"	—
t401(E)	11	#5	11'-6"	—
v400(E)	18	#6	19'-8"	—
v401(E)	4	#6	6'-4"	—
w400(E)	16	#7	9'-6"	—
w401(E)	13	#5	9'-6"	—
Structure Excavation			Cu. Yd.	46
Concrete Structures			Cu. Yd.	12.6
Reinforcement Bars, Epoxy Coated			Pound	2,020
Concrete Sealer			Sq. Ft.	122
Staining Concrete Structures			Sq. Ft.	122

PIER 10 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n1000(E)	18	#7	9'-1"	—
s1000(E)	21	#4	7'-8"	○
s1001(E)	1	#4	8'-2"	○
s1002(E)	1	#4	8'-8"	○
s1003(E)	1	#4	9'-2"	○
s1004(E)	1	#4	9'-8"	○
s1005(E)	1	#4	10'-2"	○
s1006(E)	1	#4	10'-5"	○
t1000(E)	14	#8	9'-6"	—
t1001(E)	11	#5	9'-6"	—
v1000(E)	18	#6	27'-4"	—
v1001(E)	4	#6	6'-5"	—
w1000(E)	14	#7	9'-6"	—
w1001(E)	11	#5	9'-6"	—
Structure Excavation			Cu. Yd.	31
Concrete Structures			Cu. Yd.	12.5
Reinforcement Bars, Epoxy Coated			Pound	2,110
Concrete Sealer			Sq. Ft.	193
Staining Concrete Structures			Sq. Ft.	193

PIER 5 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n500(E)	18	#7	9'-1"	—
s500(E)	19	#4	7'-8"	○
s501(E)	1	#4	8'-2"	○
s502(E)	1	#4	8'-8"	○
s503(E)	1	#4	9'-2"	○
s504(E)	1	#4	9'-8"	○
s505(E)	1	#4	10'-2"	○
s506(E)	1	#4	10'-5"	○
t500(E)	14	#8	11'-6"	—
t501(E)	11	#5	11'-6"	—
v500(E)	18	#6	25'-0"	—
v501(E)	4	#6	6'-5"	—
w500(E)	16	#7	9'-6"	—
w501(E)	13	#5	9'-6"	—
Structure Excavation			Cu. Yd.	50
Concrete Structures			Cu. Yd.	13.6
Reinforcement Bars, Epoxy Coated			Pound	2,190
Concrete Sealer			Sq. Ft.	160
Staining Concrete Structures			Sq. Ft.	160

PIER 11 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n1100(E)	18	#7	9'-1"	—
s1100(E)	22	#4	7'-8"	○
s1101(E)	1	#4	8'-2"	○
s1102(E)	1	#4	8'-8"	○
s1103(E)	1	#4	9'-2"	○
s1104(E)	1	#4	9'-8"	○
s1105(E)	1	#4	10'-2"	○
s1106(E)	1	#4	10'-5"	○
t1100(E)	14	#8	9'-6"	—
t1101(E)	11	#5	9'-6"	—
v1100(E)	18	#6	28'-7"	—
v1101(E)	4	#6	6'-5"	—
w1100(E)	14	#7	9'-6"	—
w1101(E)	11	#5	9'-6"	—
Structure Excavation			Cu. Yd.	29
Concrete Structures			Cu. Yd.	12.7
Reinforcement Bars, Epoxy Coated			Pound	2,150
Concrete Sealer			Sq. Ft.	204
Staining Concrete Structures			Sq. Ft.	204

PIER 6 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n600(E)	18	#7	9'-1"	—
s600(E)	18	#4	7'-8"	○
s601(E)	1	#4	8'-2"	○
s602(E)	1	#4	8'-8"	○
s603(E)	1	#4	9'-2"	○
s604(E)	1	#4	9'-8"	○
s605(E)	1	#4	10'-2"	○
s606(E)	1	#4	10'-5"	○
t600(E)	16	#8	11'-6"	—
t601(E)	13	#5	11'-6"	—
v600(E)	18	#6	24'-3"	—
v601(E)	4	#6	6'-5"	—
w600(E)	16	#7	11'-6"	—
w601(E)	13	#5	11'-6"	—
Structure Excavation			Cu. Yd.	57
Concrete Structures			Cu. Yd.	15.2
Reinforcement Bars, Epoxy Coated			Pound	2,340
Concrete Sealer			Sq. Ft.	154
Staining Concrete Structures			Sq. Ft.	154

PIER 12 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n1200(E)	18	#7	9'-1"	—
s1200(E)	26	#4	7'-8"	○
s1201(E)	1	#4	8'-2"	○
s1202(E)	1	#4	8'-8"	○
s1203(E)	1	#4	9'-2"	○
s1204(E)	1	#4	9'-8"	○
s1205(E)	1	#4	10'-2"	○
s1206(E)	1	#4	10'-5"	○
v1200(E)	18	#6	31'-11"	—
v1201(E)	4	#6	6'-5"	—
Concrete Structures			Cu. Yd.	5.9
Reinforcement Bars, Epoxy Coated			Pound	1,410
Concrete Sealer			Sq. Ft.	214
Staining Concrete Structures			Sq. Ft.	214

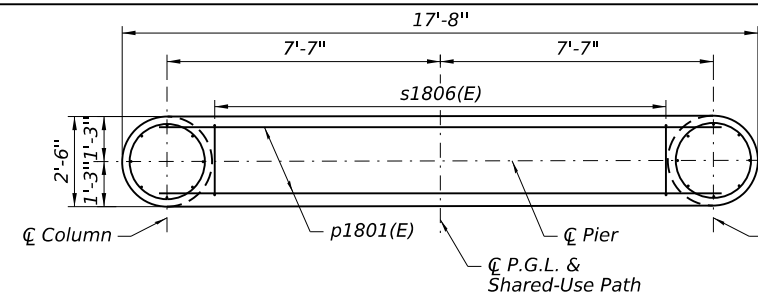
PIER 7 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n700(E)	18	#7	9'-1"	—
s700(E)	14	#4	7'-8"	○
s701(E)	1	#4	8'-2"	○
s702(E)	1	#4	8'-8"	○
s703(E)	1	#4	9'-2"	○
s704(E)	1	#4	9'-8"	○
s705(E)	1	#4	10'-2"	○
s706(E)	1	#4	10'-5"	○
t700(E)	16	#8	11'-6"	—
t701(E)	13	#5	11'-6"	—
v700(E)	18	#6	19'-8"	—
v701(E)	4	#6	6'-5"	—
w700(E)	16	#7	11'-6"	—
w701(E)	13	#5	11'-6"	—
Structure Excavation			Cu. Yd.	43
Concrete Structures			Cu. Yd.	14.4
Reinforcement Bars, Epoxy Coated			Pound	2,200
Concrete Sealer			Sq. Ft.	131
Staining Concrete Structures			Sq. Ft.	131

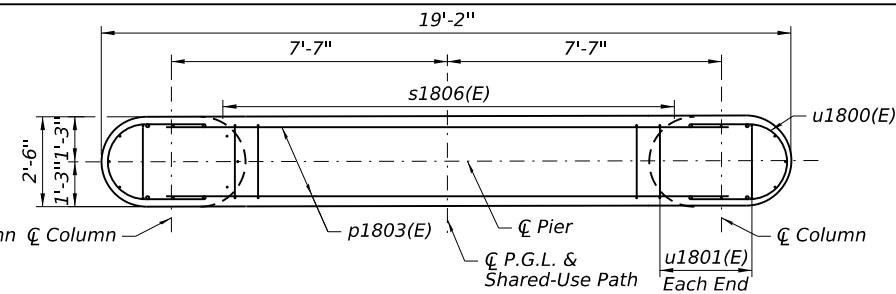
PIER 14 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
n1400(E)	18	#7	9'-1"	—
s1400(E)	53	#5	7'-8"	○
s1401(E)	1	#5	8'-2"	○
s1402(E)	1	#5	8'-5"	○
s1403(E)	1	#5	8'-8"	○
s1404(E)	1	#5	8'-11"	○
s1405(E)	1	#5	9'-2"	○
s1406(E)	1	#5	9'-5"	○
s1407(E)	1	#5	9'-8"	○
s1408(E)	1	#5	9'-11"	○
s1409(E)	1	#5	10'-2"	○
s1410(E)	2	#5	10'-5"	○
t1400(E)	16	#8	11'-6"	—
t1401(E)	13	#5	11'-6"	—
v1400(E)	18	#6	33'-0"	—
v1401(E)	4	#6	6'-5"	—
w1400(E)	16	#7	11'-6"	—
w1401(E)	13	#5	11'-6"	—
Structure Excavation			Cu. Yd.	38
Concrete Structures			Cu. Yd.	16.8
Reinforcement Bars, Epoxy Coated			Pound	2,980
Concrete Sealer			Sq. Ft.	239
Staining Concrete Structures			Sq. Ft.	239

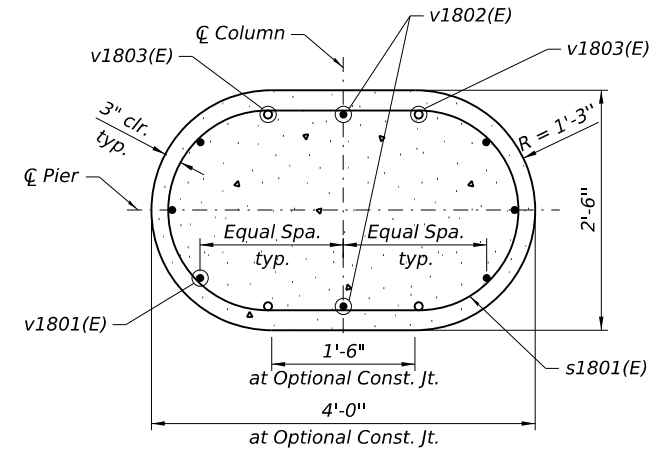
PIER 17



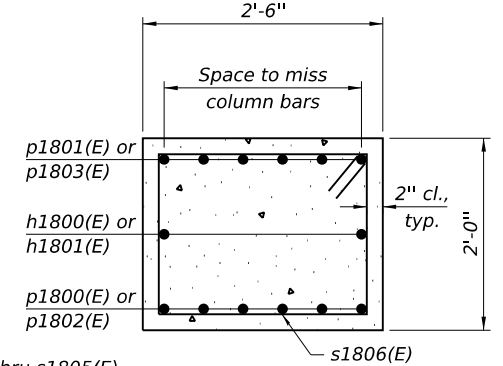
VIEW A-A



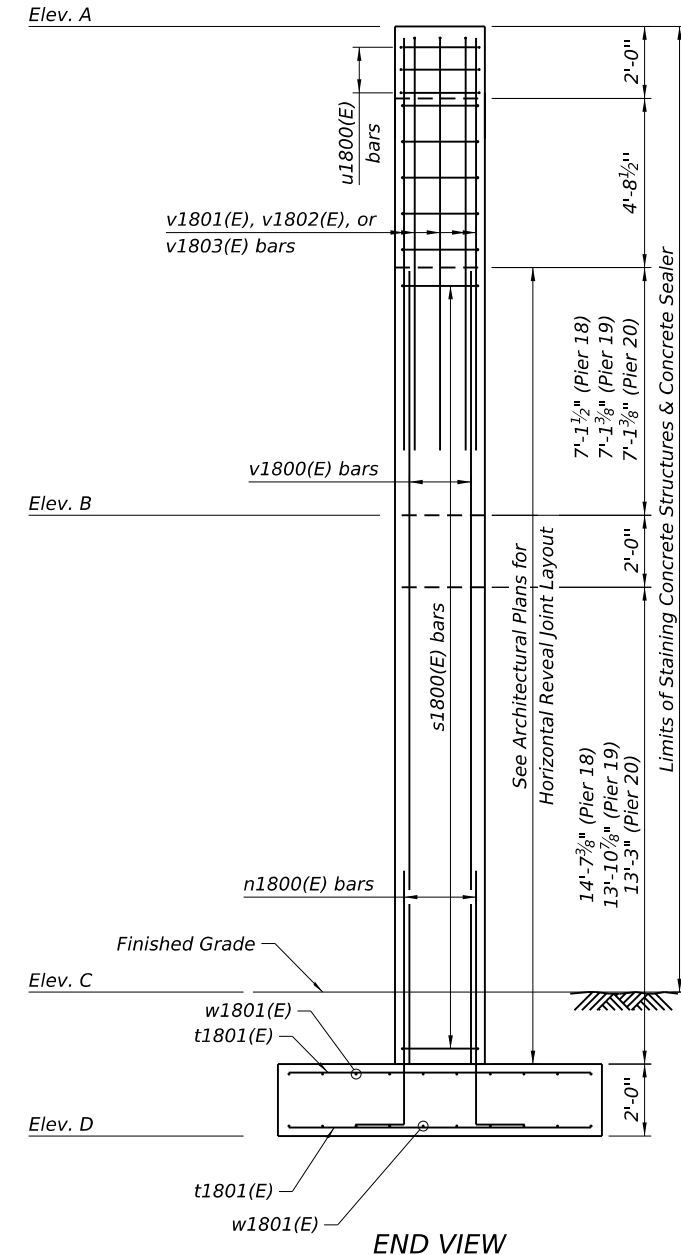
TOP PLAN



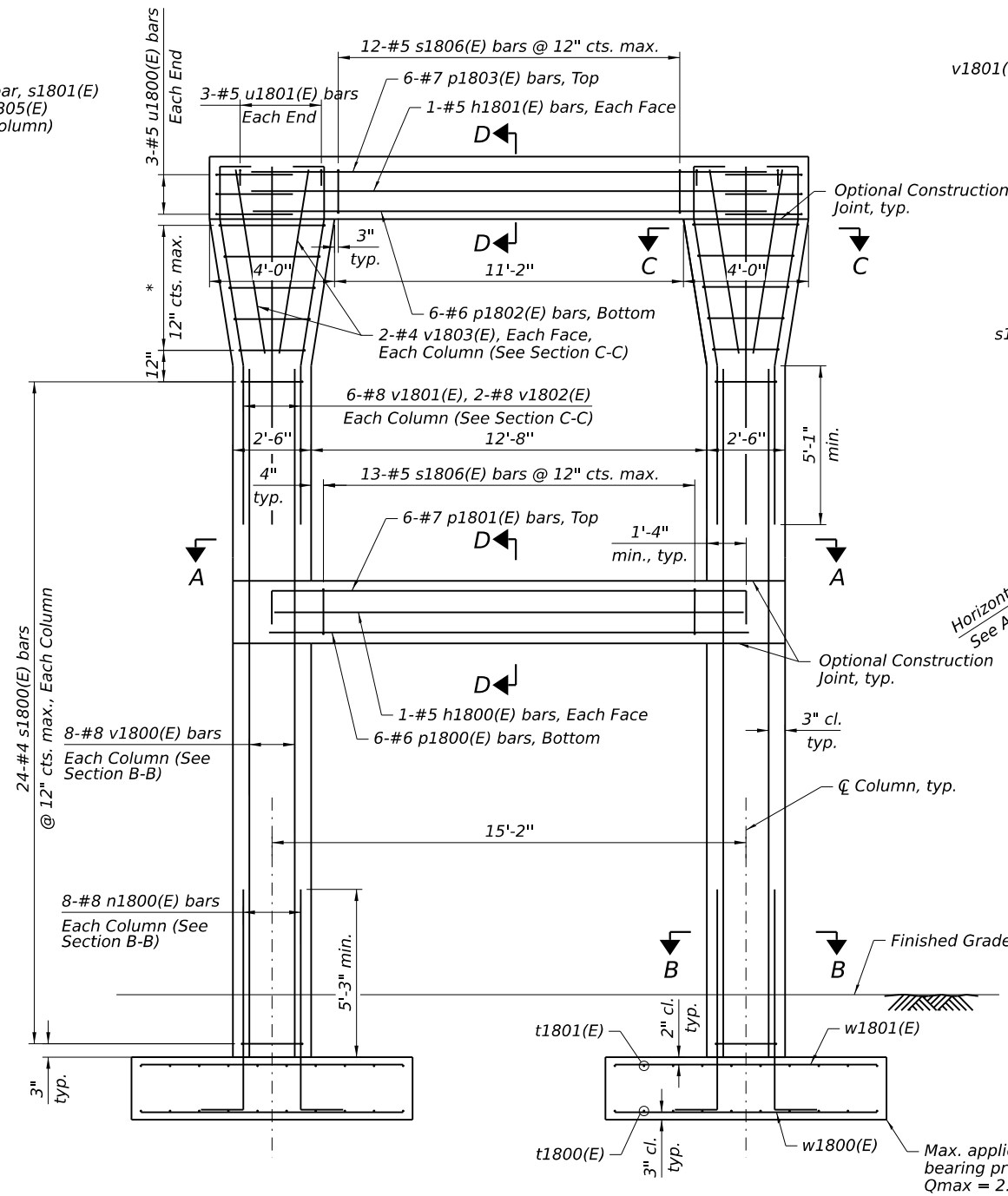
SECTION C-C



SECTION D-D



END VIEW

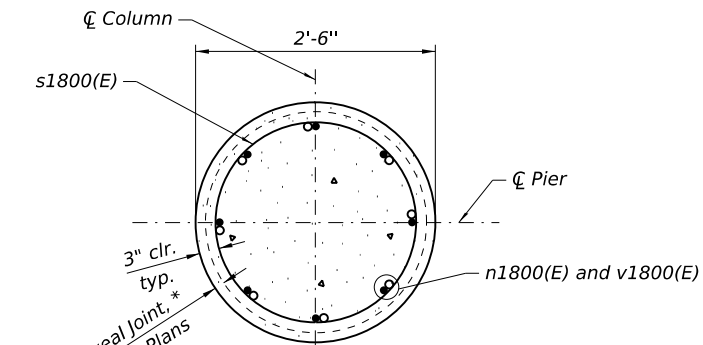


ELEVATION

NOTES:

(Pier 18 shown, Piers 19 & 20 similar)

- For details of Staining Concrete Structures, see Architectural Plans.
- Bar marks labeled 18XX(E) represent reinforcement in Pier 18. For Piers 19 & 20, these bars are substituted with equivalent 19XX(E) and 20XX(E) bars, respectively.

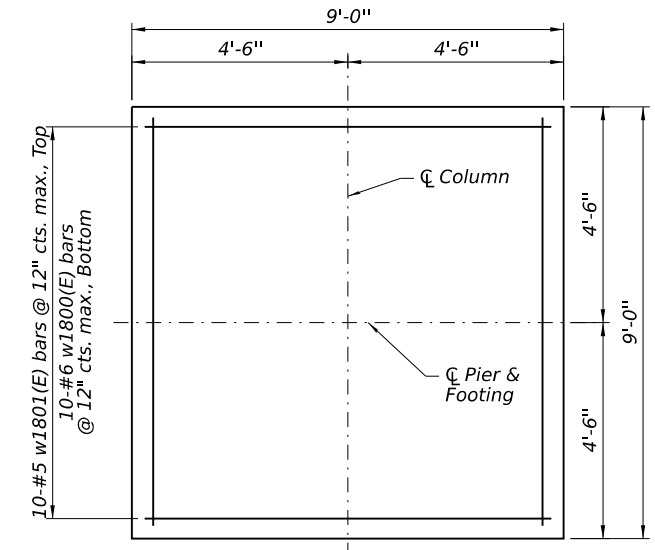


SECTION B-B

*Cost of Horizontal Reveal Joint included in Concrete Structures

PIER ELEVATION TABLE

Pier	Elevation A	Elevation B	Elevation C	Elevation D
18	705.11	691.28	676.92	672.67
19	703.38	689.56	675.93	671.93
20	701.65	687.83	675.10	670.85



FOOTING PLAN

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 1/22/2026 11:33:57 AM



USER NAME =	DESIGNED - APD	REVISED -
PLOT SCALE =	CHECKED - JMK	REVISED -
PLOT DATE =	DRAWN - APD	REVISED -
	CHECKED - JMK	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIER DETAILS 5
 STRUCTURE NO. 016-7542
 SHEET 5-50 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	121
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

PIER 18 BILL OF MATERIAL

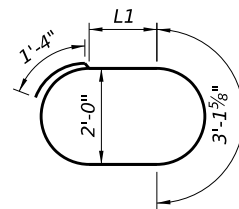
Bar	No.	Size	Length	Shape
h1800(E)	2	#5	14'-10"	—
h1801(E)	2	#5	16'-4"	—
n1800(E)	16	#8	8'-2"	—
p1800(E)	6	#6	14'-10"	—
p1801(E)	6	#7	17'-8"	—
p1802(E)	6	#6	16'-4"	—
p1803(E)	6	#7	16'-4"	—
s1800(E)	48	#4	7'-8"	○
s1801(E)	2	#4	8'-2"	—
s1802(E)	2	#4	8'-8"	—
s1803(E)	2	#4	9'-2"	—
s1804(E)	2	#4	9'-8"	—
s1805(E)	2	#4	10'-2"	—
s1806(E)	25	#5	8'-7"	—
t1800(E)	20	#6	8'-8"	—
t1801(E)	20	#5	8'-8"	—
u1800(E)	6	#5	10'-4"	—
u1801(E)	6	#5	5'-0"	—
v1800(E)	16	#8	23'-9"	—
v1801(E)	12	#8	13'-1"	—
v1802(E)	4	#8	11'-8"	—
v1803(E)	8	#4	7'-0"	—
w1800(E)	20	#6	8'-8"	—
w1801(E)	20	#5	8'-8"	—
Structure Excavation		Cu. Yd.	53	
Concrete Structures		Cu. Yd.	29.6	
Reinforcement Bars, Epoxy Coated		Pound	4,220	
Concrete Sealer		Sq. Ft.	775	
Staining Concrete Structures		Sq. Ft.	775	

PIER 19 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1900(E)	2	#5	14'-10"	—
h1901(E)	2	#5	16'-4"	—
n1900(E)	16	#8	8'-2"	—
p1900(E)	6	#6	14'-10"	—
p1901(E)	6	#7	17'-8"	—
p1902(E)	6	#6	16'-4"	—
p1903(E)	6	#7	16'-4"	—
s1900(E)	48	#4	7'-8"	○
s1901(E)	2	#4	8'-2"	—
s1902(E)	2	#4	8'-8"	—
s1903(E)	2	#4	9'-2"	—
s1904(E)	2	#4	9'-8"	—
s1905(E)	2	#4	10'-2"	—
s1906(E)	25	#5	8'-7"	—
t1900(E)	20	#6	8'-8"	—
t1901(E)	20	#5	8'-8"	—
u1900(E)	6	#5	10'-4"	—
u1901(E)	6	#5	5'-0"	—
v1900(E)	16	#8	23'-1"	—
v1901(E)	12	#8	13'-1"	—
v1902(E)	4	#8	11'-8"	—
v1903(E)	8	#4	7'-0"	—
w1900(E)	20	#6	8'-8"	—
w1901(E)	20	#5	8'-8"	—
Structure Excavation		Cu. Yd.	50	
Concrete Structures		Cu. Yd.	29.3	
Reinforcement Bars, Epoxy Coated		Pound	4,190	
Concrete Sealer		Sq. Ft.	764	
Staining Concrete Structures		Sq. Ft.	764	

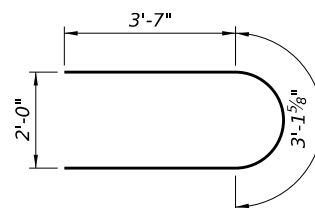
PIER 20 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h2000(E)	2	#5	14'-10"	—
h2001(E)	2	#5	16'-4"	—
n2000(E)	16	#8	8'-2"	—
p2000(E)	6	#6	14'-10"	—
p2001(E)	6	#7	17'-8"	—
p2002(E)	6	#6	16'-4"	—
p2003(E)	6	#7	16'-4"	—
s2000(E)	48	#4	7'-8"	○
s2001(E)	2	#4	8'-2"	—
s2002(E)	2	#4	8'-8"	—
s2003(E)	2	#4	9'-2"	—
s2004(E)	2	#4	9'-8"	—
s2005(E)	2	#4	10'-2"	—
s2006(E)	25	#5	8'-7"	—
t2000(E)	20	#6	8'-8"	—
t2001(E)	20	#5	8'-8"	—
u2000(E)	6	#5	10'-4"	—
u2001(E)	6	#5	5'-0"	—
v2000(E)	16	#8	22'-5"	—
v2001(E)	12	#8	13'-1"	—
v2002(E)	4	#8	11'-8"	—
v2003(E)	8	#4	7'-0"	—
w2000(E)	20	#6	8'-8"	—
w2001(E)	20	#5	8'-8"	—
Structure Excavation		Cu. Yd.	53	
Concrete Structures		Cu. Yd.	29.0	
Reinforcement Bars, Epoxy Coated		Pound	4,160	
Concrete Sealer		Sq. Ft.	750	
Staining Concrete Structures		Sq. Ft.	750	

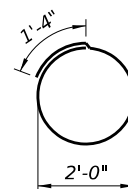


**BARS s1801(E) THRU s1805(E),
s1901(E) THRU s1905(E),
s2001(E) THRU s2005(E)**

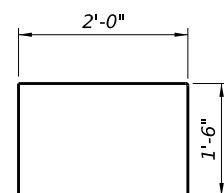
Bar	L1
s1801(E), s1901(E), s2001(E)	3"
s1802(E), s1902(E), s2002(E)	6"
s1803(E), s1903(E), s2003(E)	9"
s1804(E), s1904(E), s2004(E)	12"
s1805(E), s1905(E), s2005(E)	15"



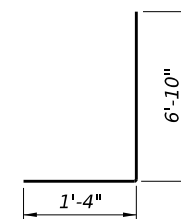
BARS u1800(E), u1900(E), u2000(E)



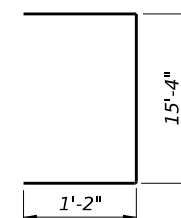
BARS s1800(E), s1900(E), s2000(E)



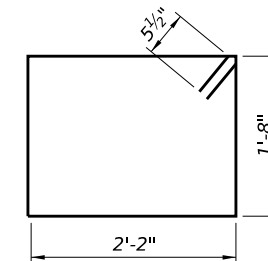
BARS u1801(E), u1901(E), u2001(E)



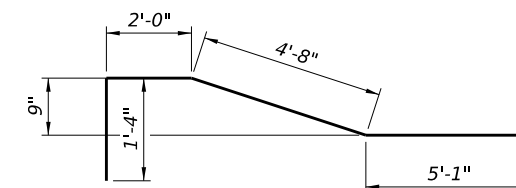
BARS n1800(E), n1900(E), n2000(E)



BARS p1801(E), p1901(E), p2001(E)



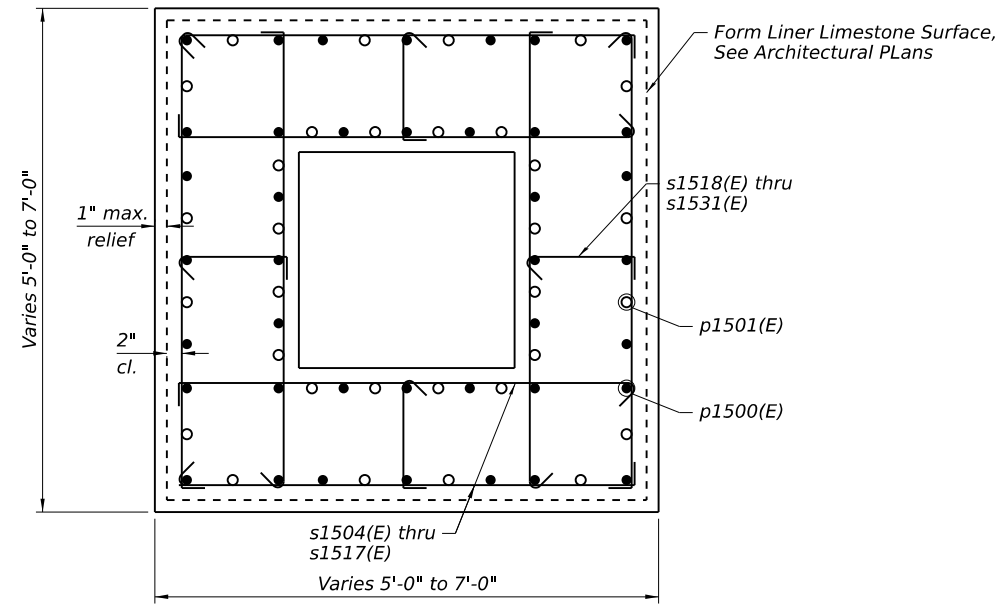
BARS s1806(E), s1906(E), s2006(E)



BARS v1801(E), v1901(E), v2001(E)

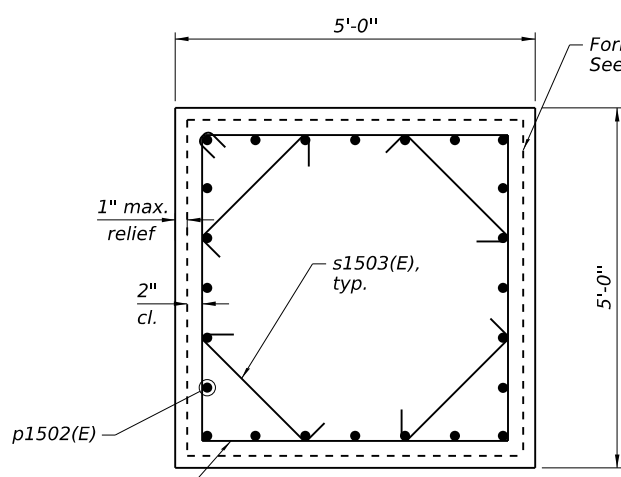
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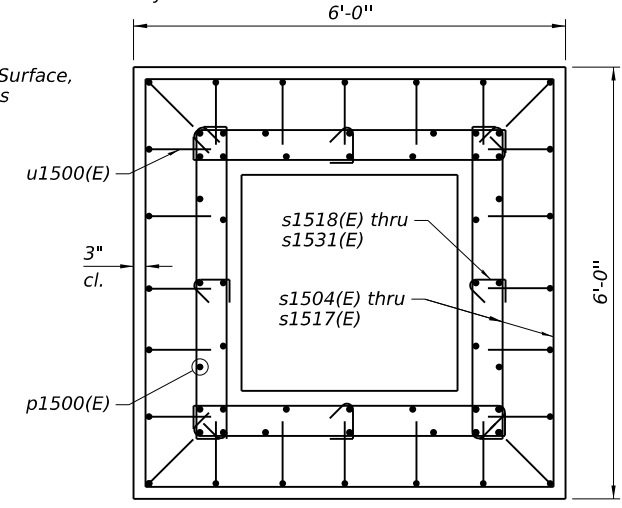
SECTION B-B

Alternate 90 and 135 degree hooks vertically



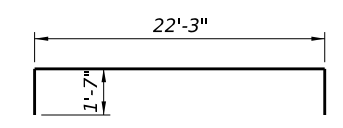
SECTION C-C

Alternate 90 and 135 degree hooks vertically

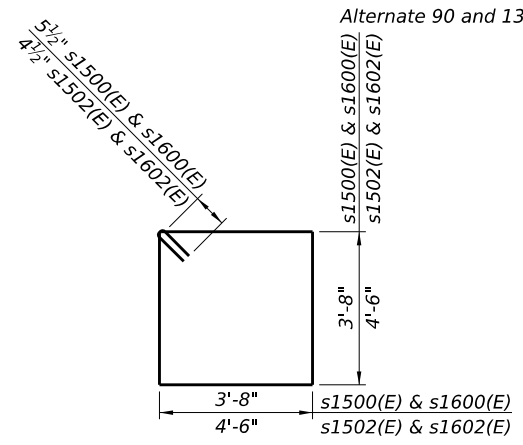


SECTION D-D

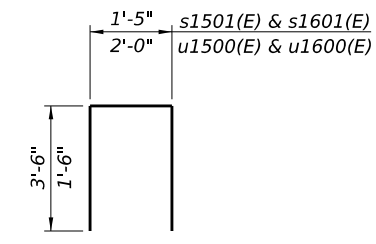
Alternate 90 and 135 degree hooks vertically



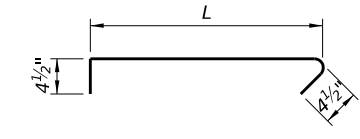
BARS p1501(E), p1601(E)



BARS s1500(E), s1502(E), s1600(E), s1602(E)



BARS s1501(e), s1601(E), u1500(E), u1600(E)



BARS s1505(E) thru s1531(E), s1605(E) thru s1631(E)

PIER 15 BILL OF MATERIAL

s1523(E)	16	#4	5'-9"	
s1524(E)	16	#4	5'-8"	
s1525(E)	16	#4	5'-7"	
s1526(E)	16	#4	5'-6"	
s1527(E)	16	#4	5'-5"	
s1528(E)	16	#4	5'-4"	
s1529(E)	16	#4	5'-3"	
s1530(E)	16	#4	5'-3"	
s1531(E)	16	#4	5'-3"	
s1532(E)	8	#4	2'-4"	
s1533(E)	8	#4	2'-3.5"	
s1534(E)	8	#4	2'-3"	
s1535(E)	8	#4	2'-2.5"	
s1536(E)	8	#4	2'-2"	
s1537(E)	8	#4	2'-1.5"	
s1538(E)	8	#4	2'-1"	
s1539(E)	8	#4	2'-0.5"	
s1540(E)	8	#4	2'-0"	
s1541(E)	8	#4	1'-11.5"	
s1542(E)	8	#4	1'-11"	
s1543(E)	8	#4	1'-10.5"	
s1544(E)	8	#4	1'-10"	
s1545(E)	8	#4	1'-9.5"	
s1546(E)	8	#4	1'-9"	
s1547(E)	8	#4	1'-8.5"	
s1548(E)	8	#4	1'-8"	
s1549(E)	8	#4	1'-7.5"	
s1550(E)	8	#4	1'-7"	
s1551(E)	8	#4	1'-6.5"	
s1552(E)	8	#4	1'-6"	
s1553(E)	8	#4	1'-5.5"	
s1554(E)	8	#4	1'-5"	
s1555(E)	8	#4	1'-4.5"	
s1556(E)	8	#4	1'-4"	
s1557(E)	8	#4	1'-4"	
s1558(E)	8	#4	1'-4"	
sp1500(E)	12	#4	10'-0"	
t1500(E)	58	#5	8'-8"	
u1500(E)	40	#4	5'-0"	
u1501(E)	24	#4	6'-8"	
v1500(E)	56	#8	16'-2"	
w1500(E)	24	#7	13'-8"	
w1501(E)	20	#5	13'-8"	
Structure Excavation			Cu. Yd.	38
Concrete Structures			Cu. Yd.	112.9
Reinforcement Bars, Epoxy Coated			Pound	22,580
Concrete Sealer			Sq. Ft.	2037
Staining Concrete Structures			Sq. Ft.	2037
Furnishing Metal Shell Piles 14" X 0.250"			Foot	572
Driving Piles			Foot	572
Test Piles			Each	1

PIER 16 BILL OF MATERIAL

s2601(E)	1	#4	8'-2"	
s2602(E)	1	#4	8'-5"	
s2603(E)	1	#4	8'-8"	
s2604(E)	1	#4	8'-11"	
s2605(E)	1	#4	9'-2"	
s2606(E)	1	#4	9'-5"	
s2607(E)	1	#4	9'-8"	
s2608(E)	1	#4	9'-11"	
s2609(E)	1	#4	10'-2"	
s2610(E)	2	#4	10'-5"	
t2600(E)	14	#8	11'-6"	
t2601(E)	11	#5	11'-6"	
v2600(E)	18	#6	15'-6"	
v2601(E)	4	#6	6'-5"	
w2600(E)	16	#7	9'-6"	
w2601(E)	13	#5	9'-6"	
Structure Excavation			Cu. Yd.	35
Concrete Structures			Cu. Yd.	118
Reinforcement Bars, Epoxy Coated			Pound	1,950
Concrete Sealer			Sq. Ft.	97
Staining Concrete Structures			Sq. Ft.	97

Pier 15

Bar	No.	Size	Length	Shape
h1500(E)	9	#5	22'-3"	
n1500(E)	80	#8	33'-8"	
n1501(E)	64	#8	19'-10"	
n1502(E)	132	#7	10'-6"	
p1500(E)	7	#7	22'-3"	
p1501(E)	7	#7	25'-5"	
s1500(E)	19	#5	15'-7"	
s1501(E)	19	#5	8'-5"	
s1502(E)	30	#4	18'-9"	
s1503(E)	120	#4	2'-9"	
s1504(E)	6	#4	22'-9"	
s1505(E)	16	#4	7'-3"	
s1506(E)	16	#4	7'-2"	
s1507(E)	16	#4	7'-1"	
s1508(E)	16	#4	7'-0"	
s1509(E)	16	#4	6'-11"	
s1510(E)	16	#4	6'-10"	
s1511(E)	16	#4	6'-9"	
s1512(E)	16	#4	6'-8"	
s1513(E)	16	#4	6'-7"	
s1514(E)	16	#4	6'-6"	
s1515(E)	16	#4	6'-5"	
s1516(E)	16	#4	6'-4"	
s1517(E)	16	#4	6'-3"	

Line	Bar	L
Line 1	s1505(E)	6'-6"
	s1532(E)	1'-7"
Line 2	s1506(E)	6'-5"
	s1533(E)	1'-6.5"
Line 3	s1507(E)	6'-4"
	s1534(E)	1'-6"
Line 4	s1508(E)	6'-3"
	s1535(E)	1'-5.5"
Line 5	s1509(E)	6'-2"
	s1536(E)	1'-5"
Line 6	s1510(E)	6'-1"
	s1537(E)	1'-4.5"
Line 7	s1511(E)	6'-0"
	s1538(E)	1'-4"
Line 8	s1512(E)	5'-11"
	s1539(E)	1'-3.5"
Line 9	s1513(E)	5'-10"
Line 10	s1514(E)	5'-9"
	s1541(E)	1'-2.5"
Line 11	s1515(E)	5'-8"
	s1542(E)	1'-2"
Line 12	s1516(E)	5'-7"
	s1543(E)	1'-1.5"
Line 13	s1517(E)	5'-6"
	s1544(E)	1'-1"
Line 14	s1518(E)	5'-5"
	s1545(E)	1'-0.5"



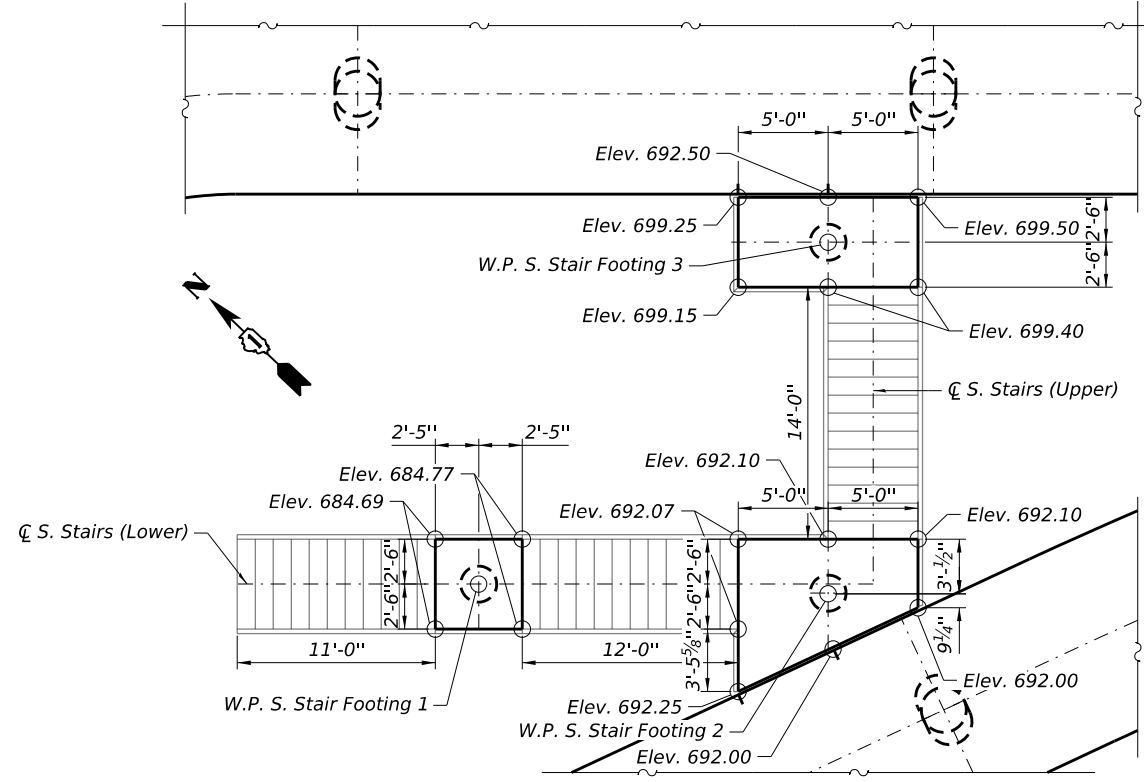
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CHECKED -	REVISIONS -	
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

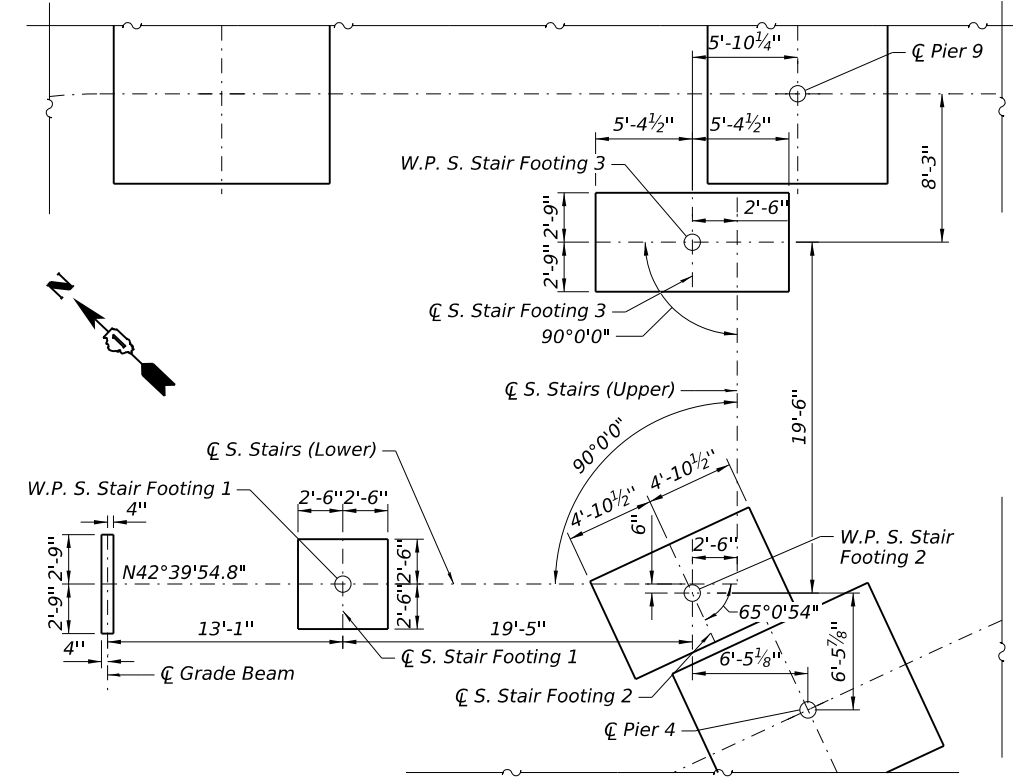
**PIER DETAILS 8
 STRUCTURE NO. 016-7542**

SHEET 5-53 OF 5-68 SHEETS

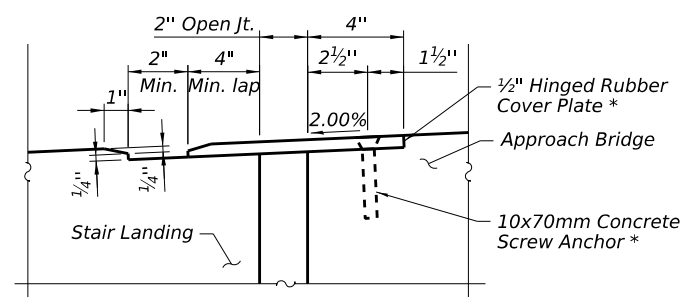
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	124
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				



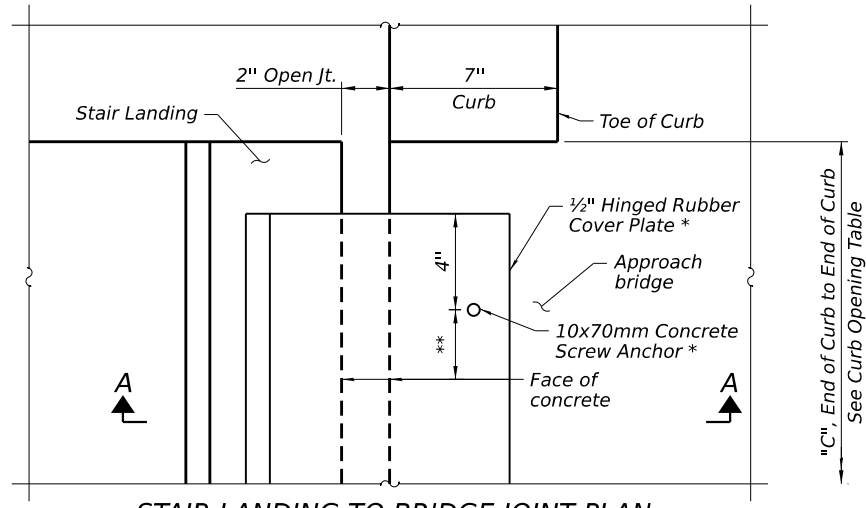
SOUTH STAIRCASE LANDING PLAN
Elevations shown are at Top of Concrete Landing
Dimensions shown are to Edge of Concrete Landing



SOUTH STAIRCASE FOOTING PLAN



SECTION A-A

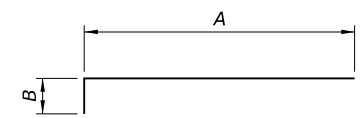


STAIR LANDING TO BRIDGE JOINT PLAN

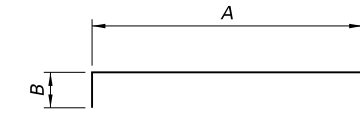
* Cost included in Concrete Superstructures
** Spacing according to Hinged Rubber Cover Plate manufacturer

CURB OPENING TABLE

Location	C
S. Landing 2	5'-10 1/4"
S. Landing 3	5'-0"
N. Conc. Staircase	5'-0"
N. Landing 2	6'-1 3/4"



Bar	A	B
v3001(E)	9'-0"	8"
v3002(E)	12'-8"	8"



Bar	A	B
a3000(E)	4'-8"	5"
a3002(E)	11'-6"	5"
a3004(E)	4'-8"	5"
b3000(E)	4'-8"	5"
b3002(E)	9'-8"	5"
b3004(E)	10'-0"	5"
b3006(E)	10'-8"	5"
b3008(E)	9'-8"	5"
v3000(E)	9'-5"	8"

HOOKED REINFORCEMENT DETAIL 1 HOOKED REINFORCEMENT DETAIL 2

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a3000(E)	7	#5	5'-6"	□
a3001(E)	5	#4	4'-8"	□
a3002(E)	11	#5	12'-4"	□
a3003(E)	6	#4	11'-6"	□
a3004(E)	14	#5	5'-6"	□
a3005(E)	11	#4	4'-8"	□
b3000(E)	7	#5	5'-4"	□
b3001(E)	6	#4	4'-6"	□
b3002(E)	8	#5	10'-6"	□
b3003(E)	5	#4	9'-8"	□
b3004(E)	5	#5	10'-10"	□
b3005(E)	3	#4	10'-0"	□
b3006(E)	1	#5	11'-6"	□
b3007(E)	1	#4	10'-8"	□
b3008(E)	11	#5	10'-6"	□
b3009(E)	6	#4	9'-8"	□
h3000(E)	5	#4	5'-2"	□
s3000(E)	55	#4	7'-6"	○
t3001(E)	12	#4	4'-8"	□
t3002(E)	11	#4	5'-8"	□
t3003(E)	14	#4	5'-8"	□
t3004(E)	24	#4	5'-2"	□
v3000(E)	23	#4	10'-9"	□
v3001(E)	46	#4	9'-8"	□
v3002(E)	46	#4	13'-4"	□
v3003(E)	6	#4	4'-2"	□
w3001(E)	12	#4	4'-8"	□
w3002(E)	7	#4	9'-5"	□
w3003(E)	8	#5	9'-5"	□
w3004(E)	6	#4	10'-5"	□
w3005(E)	8	#5	10'-5"	□
Structure Excavation		Cu. Yd.	60	
Concrete Structures		Cu. Yd.	13.4	
Concrete Superstructure		Cu. Yd.	3.8	
Protective Coat		Sq. Yd.	19.0	
Reinforcement Bars, Epoxy Coated		Pound	2,480	
Concrete Sealer		Sq. Ft.	217	
Staining Concrete Structures		Sq. Ft.	374	

MODEL: \$MODELNAME\$
FILE NAME: p:\ciorba-pw-bentley.com\ciorba-pw-01\Documents\Projects\IL_Municipalities\Mount Prospect\0021717.01-XXXX-54-South Stairs 1.dgn
1/22/2026 11:36:19 AM



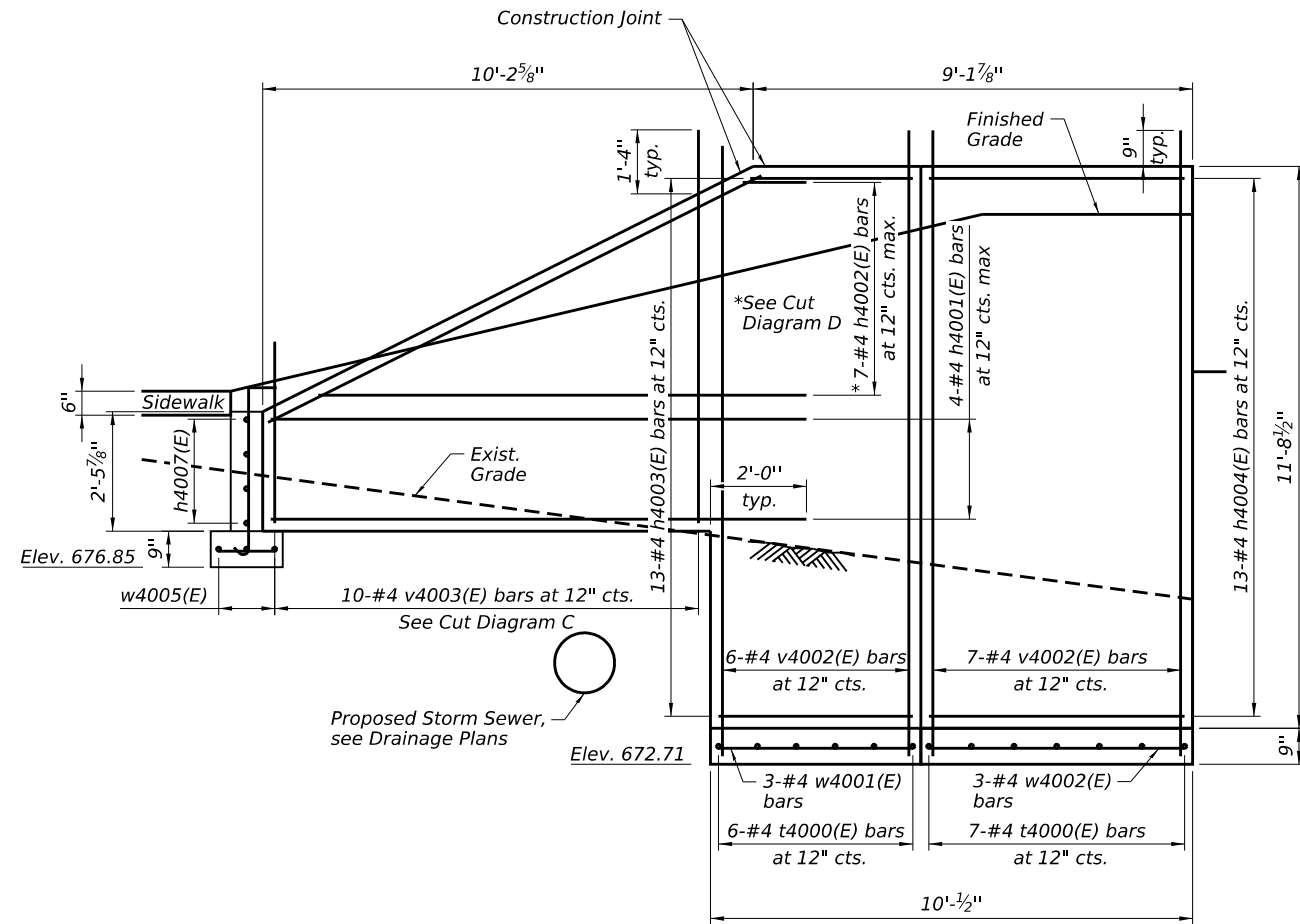
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	CHECKED -	JMK	REVISD -
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PLOT DATE =	CHECKED -	JMK	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

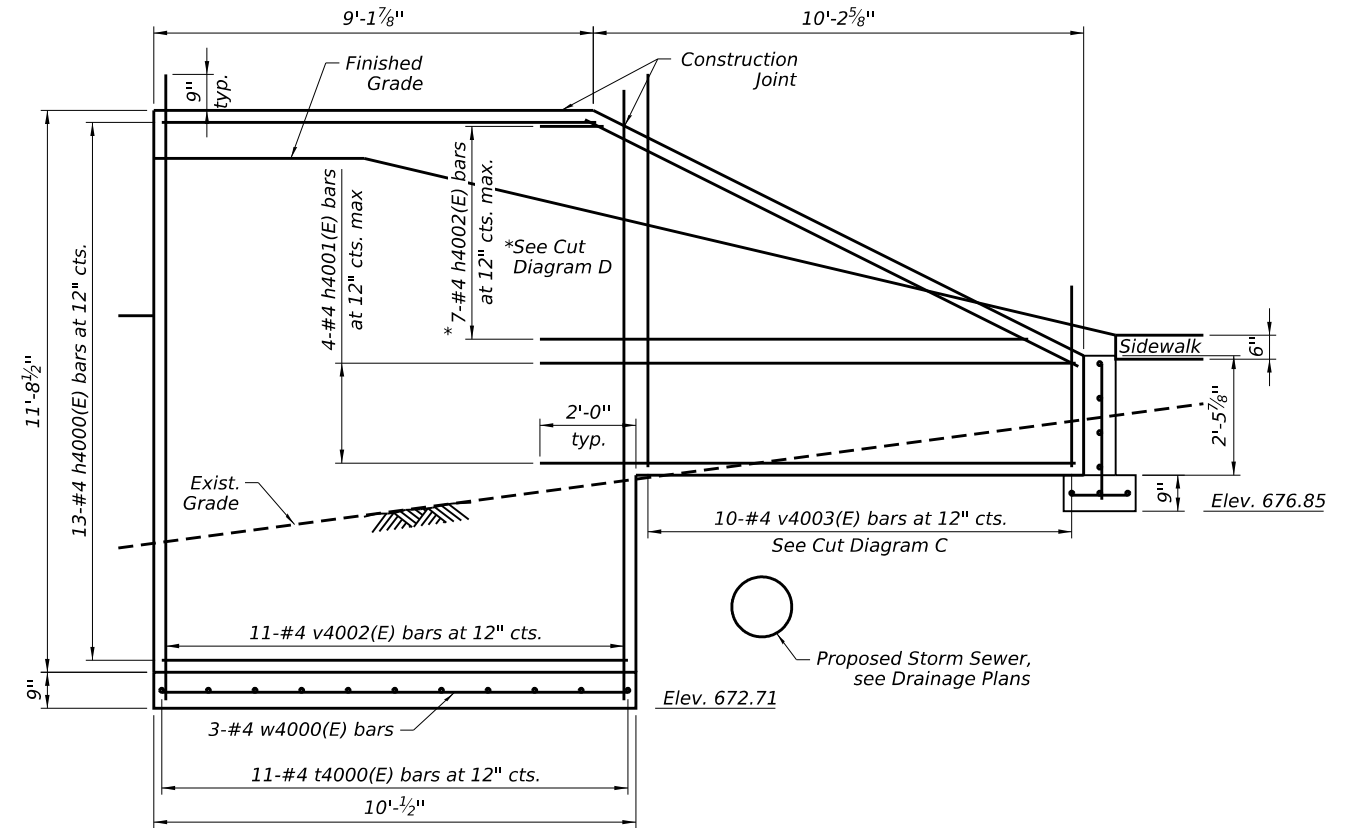
**SOUTH STAIR DETAILS 1
STRUCTURE NO. 016-7542**
SHEET 5-54 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	125
CONTRACT NO.				61M15
ILLINOIS FED. AID PROJECT				

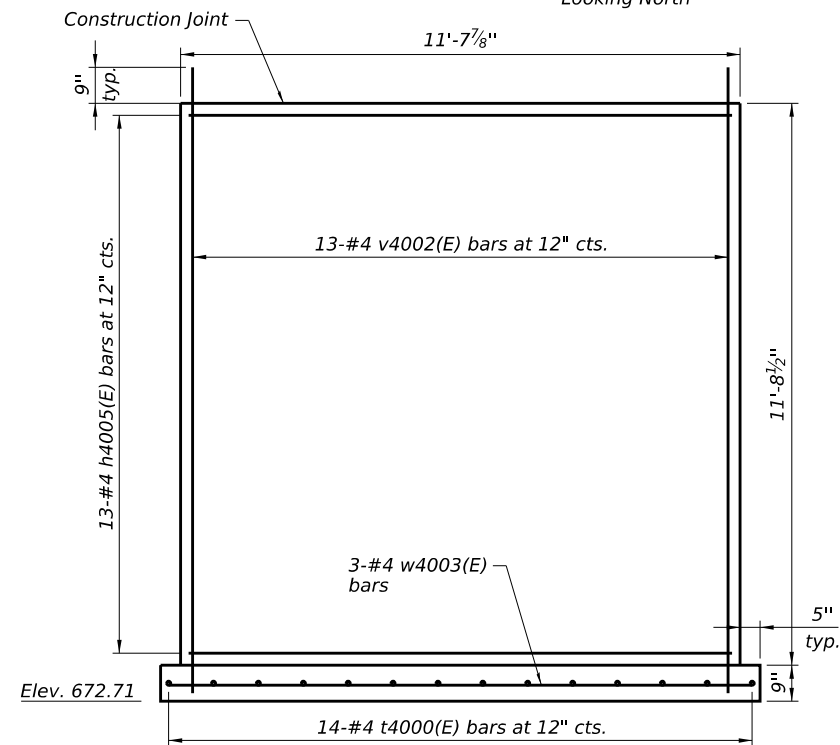
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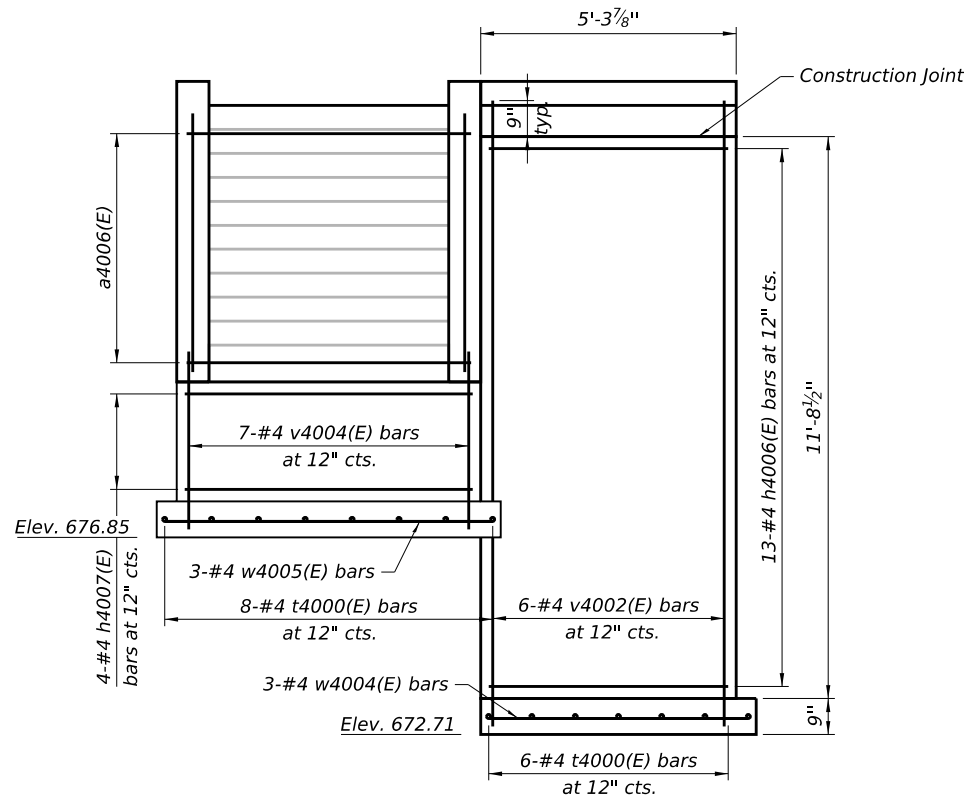
VIEW E-E, SOUTH ELEVATION
 Looking North



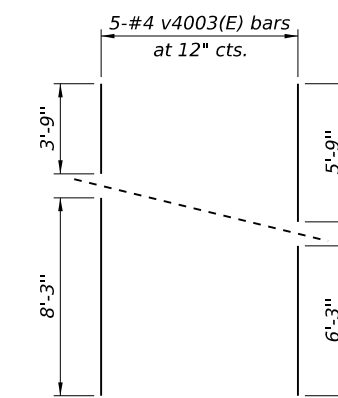
VIEW F-F, NORTH ELEVATION
 Looking South



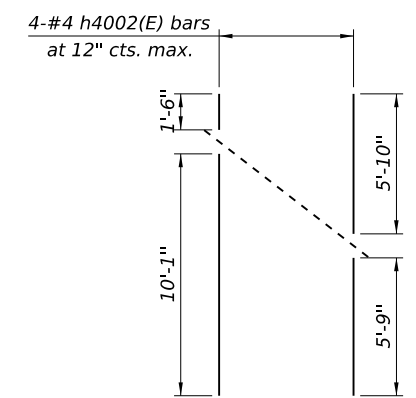
VIEW D-D, EAST ELEVATION
 Looking West



VIEW C-C, WEST ELEVATION
 Looking East



CUT DIAGRAM C



CUT DIAGRAM D

BEARING PRESSURE TABLE

Stair Footing #	Qmax (ksf)
Grade Beam	2.00
Strip Footing	2.50



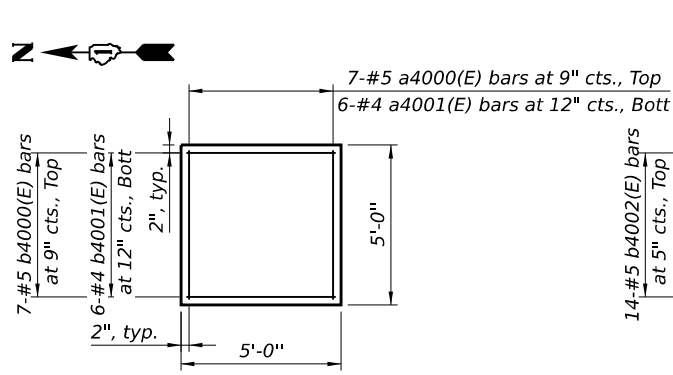
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PLOT SCALE =	CHECKED - JMK	REVISED -
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**STATE OF ILLINOIS
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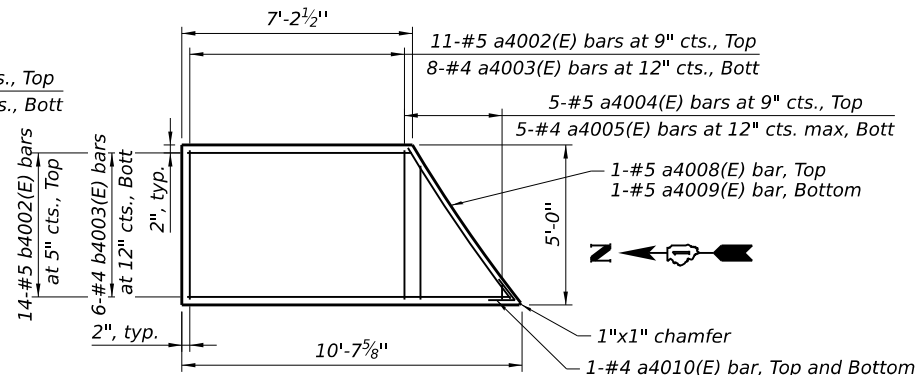
**NORTH STAIR DETAILS 2
 STRUCTURE NO. 016-7542**

SHEET 5-57 OF 5-68 SHEETS

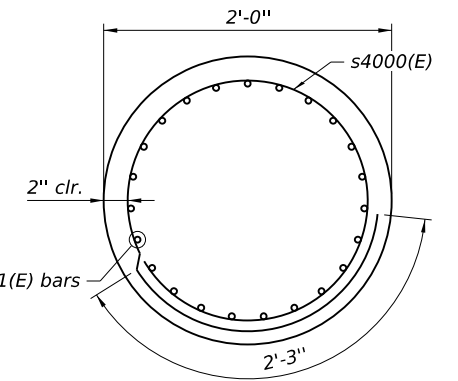
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	128
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				



STAIR LANDING 2 PLAN



STAIR LANDING 3 PLAN



SECTION B-B

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a4000(E)	7	#5	5'-6"	□
a4001(E)	6	#4	4'-8"	□
a4002(E)	11	#5	5'-6"	□
a4003(E)	8	#4	4'-8"	□
a4004(E)	3	#5	4'-9"	□
a4005(E)	3	#4	4'-9"	□
a4006(E)	17	#4	6'-0"	□
a4007(E)	6	#4	11'-4"	□
a4008(E)	1	#5	5'-9"	□
a4009(E)	1	#5	5'-9"	□
a4010(E)	1	#4	1'-8"	△

b4000(E)	7	#5	5'-6"	□
b4001(E)	6	#4	4'-8"	□
b4002(E)	7	#5	17'-11"	□
b4003(E)	3	#4	17'-1"	□
b4004(E)	7	#4	12'-0"	□
b4005(E)	7	#4	10'-2"	□
b4006(E)	6	#4	6'-3"	□

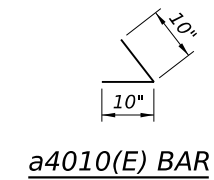
h4000(E)	13	#4	9'-8"	□
h4001(E)	8	#4	11'-2"	□
h4002(E)	8	#4	11'-7"	□
h4003(E)	13	#4	4'-0"	□
h4004(E)	13	#4	5'-4"	□
h4005(E)	13	#4	11'-3"	□
h4006(E)	13	#4	5'-0"	□
h4007(E)	4	#4	6'-0"	□

s4000(E)	43	#4	7'-6"	○
t4000(E)	52	#4	1'-2"	□
t4001(E)	28	#4	4'-8"	□

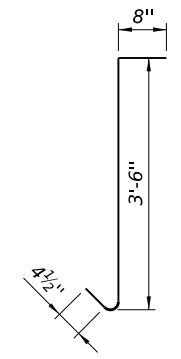
v4000(E)	46	#4	11'-10"	□
v4001(E)	46	#4	16'-7"	□
v4002(E)	43	#4	12'-11"	□
v4003(E)	10	#4	12'-0"	□
v4004(E)	7	#4	4'-7"	□

w4000(E)	3	#4	9'-8"	□
w4001(E)	3	#4	4'-0"	□
w4002(E)	3	#4	5'-4"	□
w4003(E)	3	#4	12'-2"	□
w4004(E)	3	#4	5'-4"	□
w4005(E)	3	#4	6'-10"	□
w4006(E)	12	#4	4'-8"	□
w4007(E)	6	#4	6'-8"	□
w4008(E)	7	#4	6'-8"	□

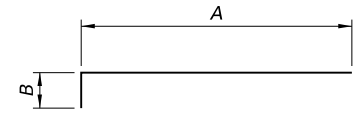
Structure Excavation	Cu. Yd.	77
Concrete Structures	Cu. Yd.	22.6
Concrete Superstructure	Cu. Yd.	5.7
Protective Coat	Sq. Yd.	22.0
Reinforcement Bars, Epoxy Coated	Pound	2,980
Concrete Sealer	Sq. Ft.	251
Staining Concrete Structures	Sq. Ft.	329



a4010(E) BAR

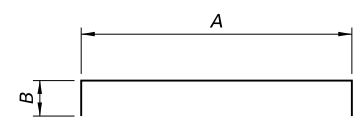


v4004(E) BAR



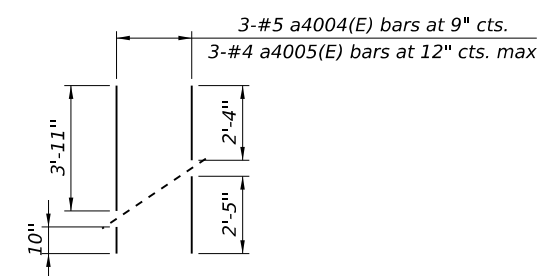
Bar	A	B
v4000(E)	11'-2"	8"
v4001(E)	15'-11"	8"

HOOKED REINFORCEMENT DETAIL 1

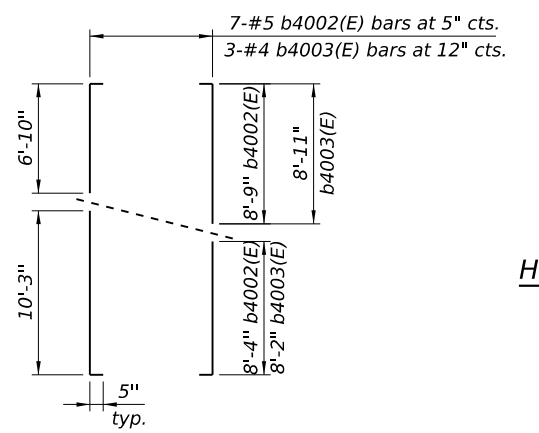


Bar	A	B
a4000(E)	4'-8"	5"
a4002(E)	4'-8"	5"
b4000(E)	4'-8"	5"
b4002(E)	9'-8"	5"

HOOKED REINFORCEMENT DETAIL 2



CUT DIAGRAM A

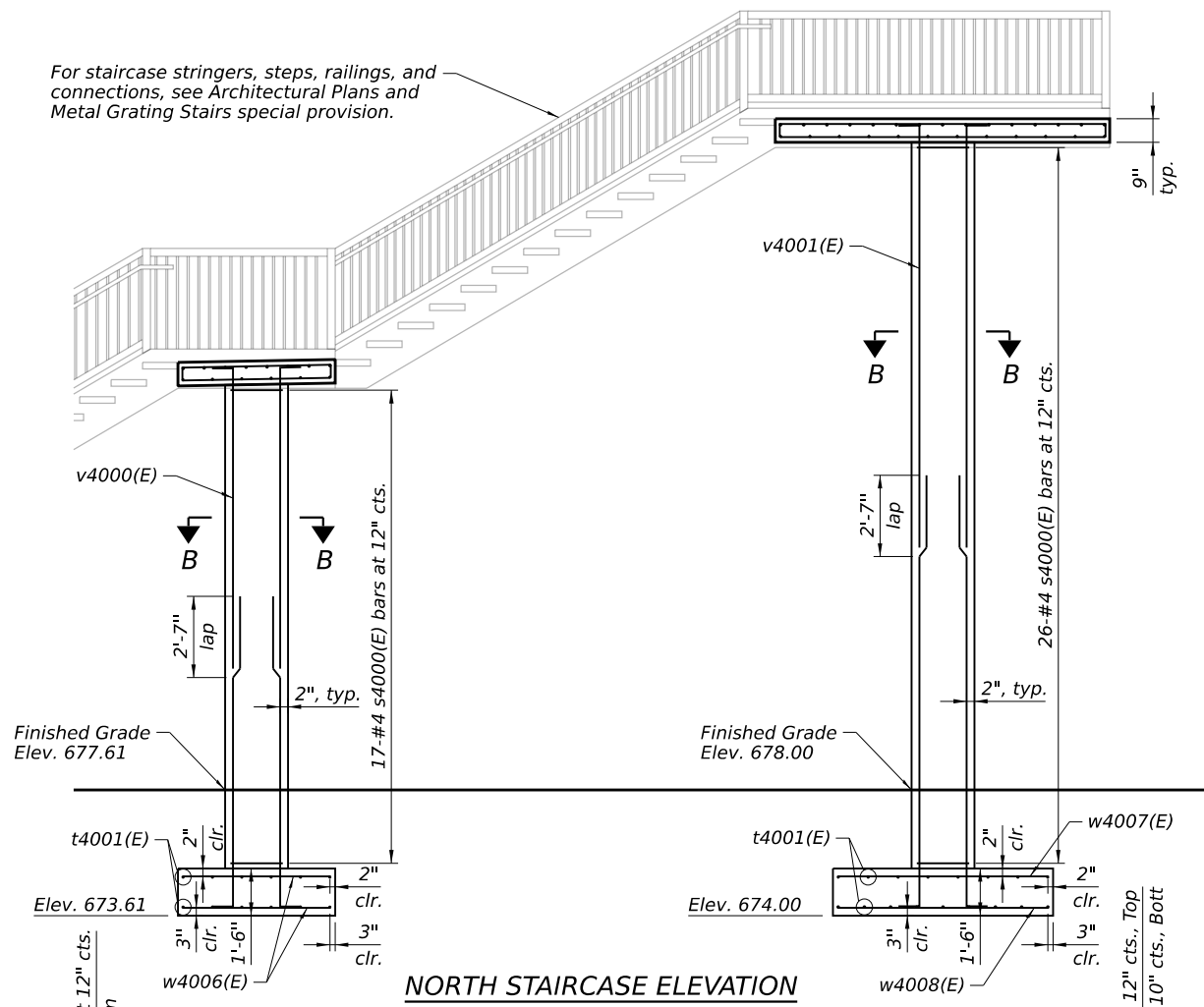


CUT DIAGRAM B

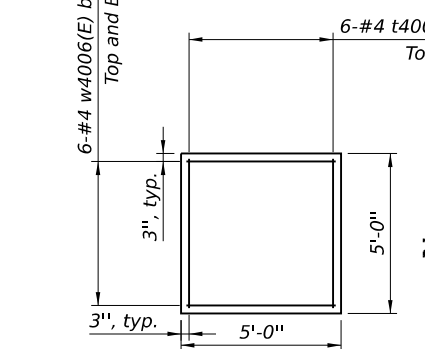
Note: 5" Hook for b4002(E) bars only

BEARING PRESSURE TABLE

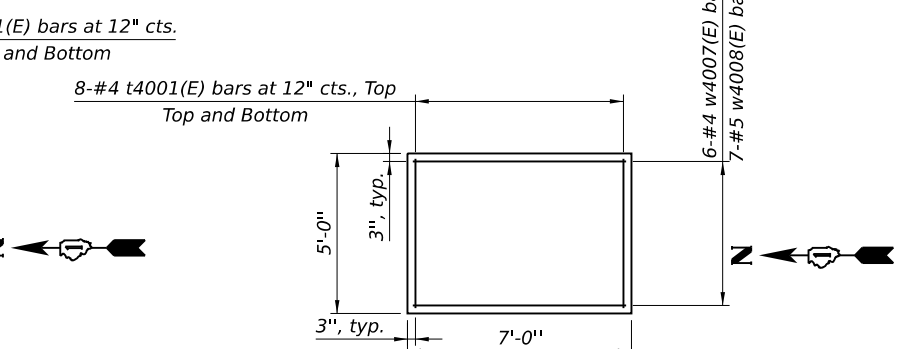
Stair Footing #	Qmax (ksf)
2	2.21
3	2.32



NORTH STAIRCASE ELEVATION



STAIR FOOTING 2 PLAN



STAIR FOOTING 3 PLAN

MODEL: \$MODELNAMES
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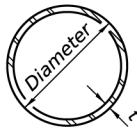


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PLOT SCALE =	CHECKED - JMK	REVISED -
PLOT DATE =	DRAWN - ETK	REVISED -
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STATE OF ILLINOIS
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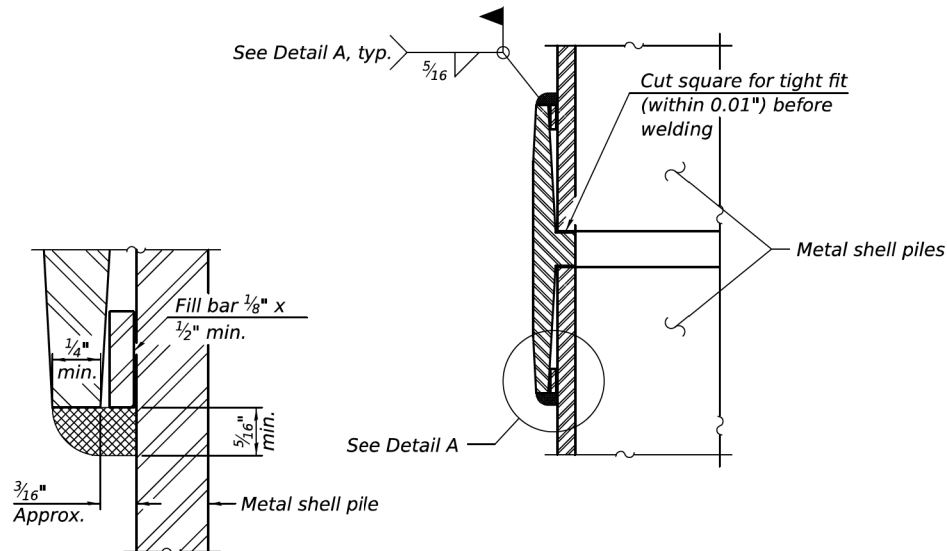
NORTH STAIR DETAILS 3
STRUCTURE NO. 016-7542
SHEET 5-58 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	129
CONTRACT NO. 61M15			ILLINOIS FED. AID PROJECT	

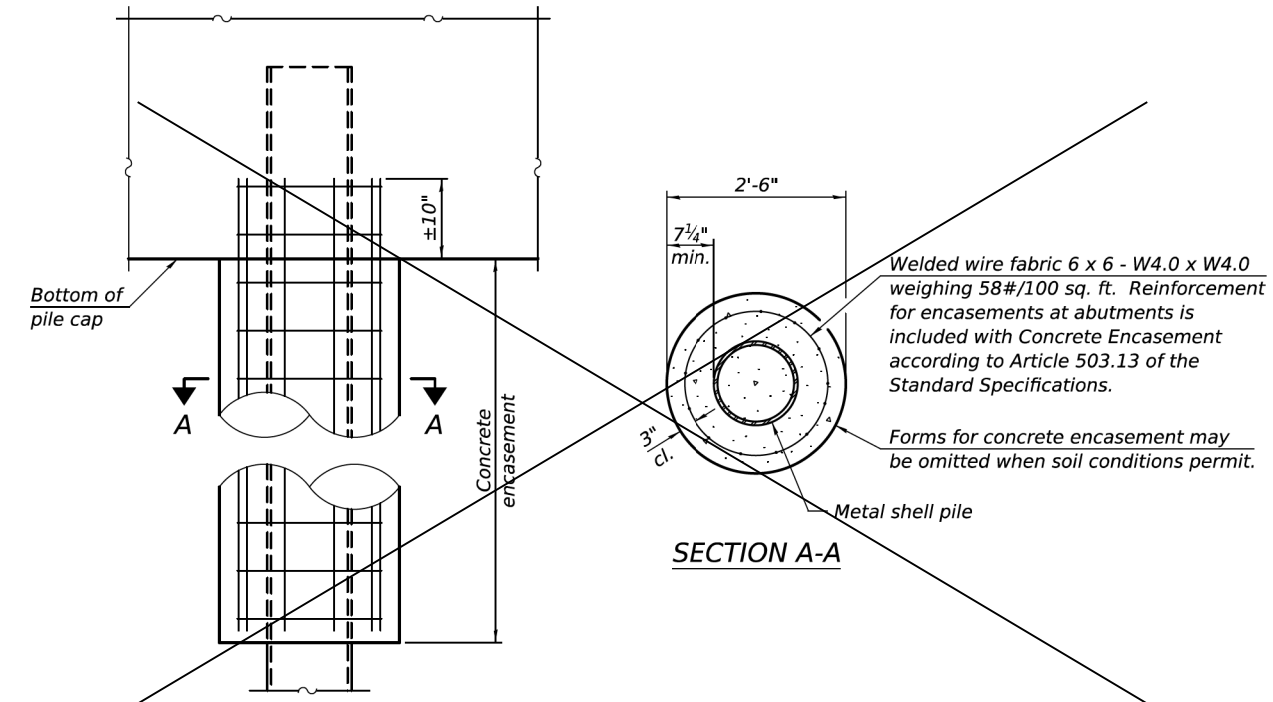


METAL SHELL PILE TABLE

Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.250"	31.40	0.0267
PP14	0.250"	36.75	0.0368
PP14	0.312"	45.65	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470



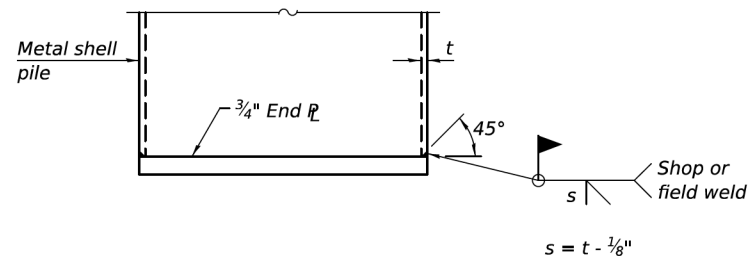
DETAIL A



ELEVATION

SECTION A-A

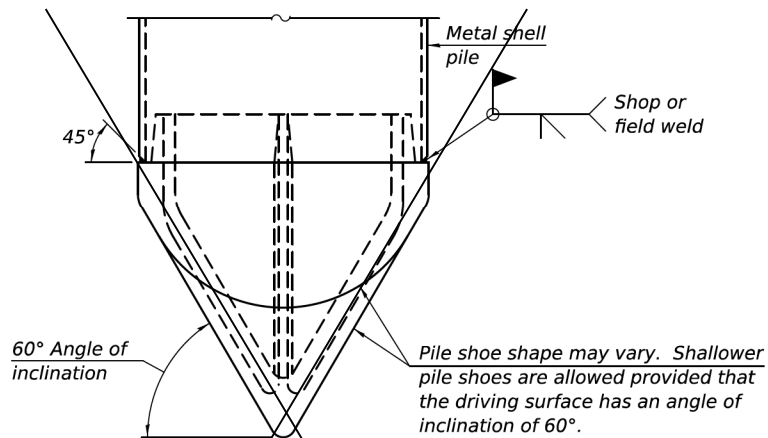
INDIVIDUAL PILE CONCRETE ENCASEMENT
(When specified)



END PLATE ATTACHMENT

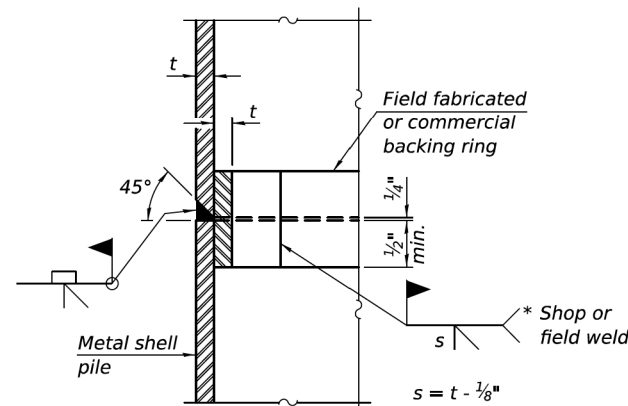
WELDED COMMERCIAL SPLICE

Notes:
The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.



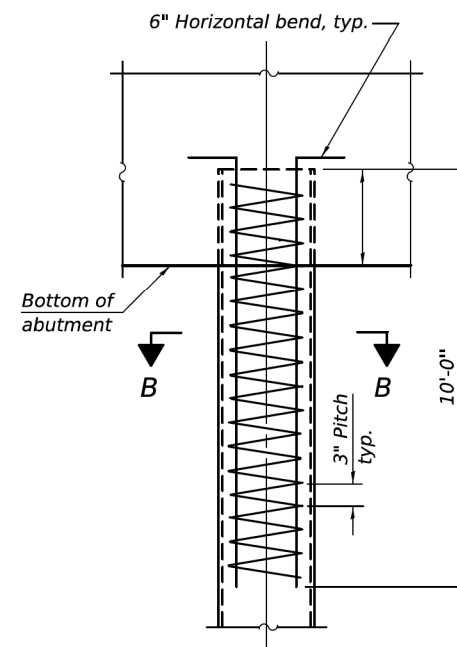
PILE SHOE ATTACHMENT

(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80-50 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).

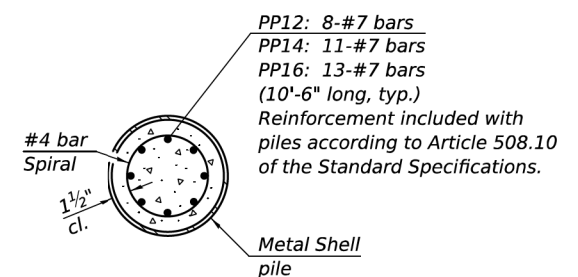


COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



ELEVATION



SECTION B-B

REINFORCEMENT AT ABUTMENTS PIERS 15 & 16
(Omit when concrete encasement is specified)

Note:
The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

MODEL: \$MODELNAME\$
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F-MS 4-4-2025



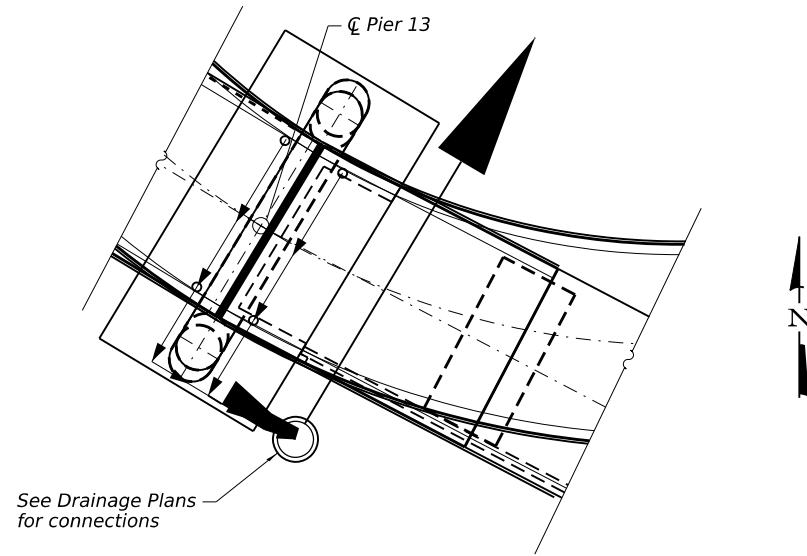
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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PILE DETAILS
STRUCTURE NO. 016-7542**

SHEET 5-59 OF 5-68 SHEETS

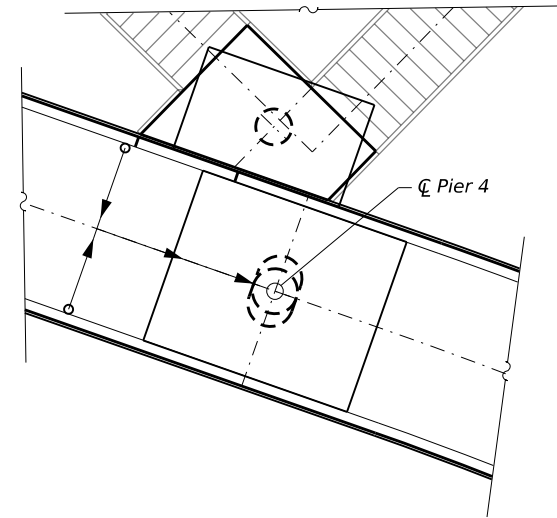
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	130
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		



See Drainage Plans for connections

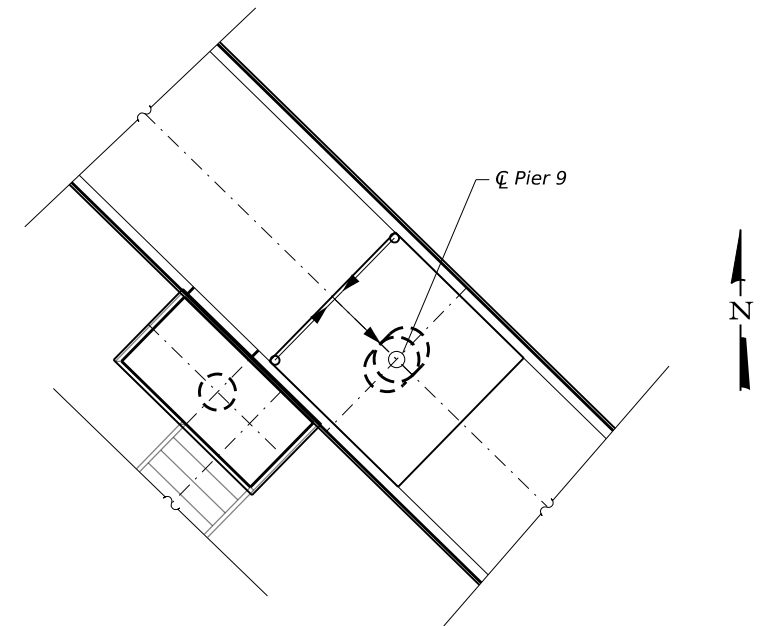
DRAINAGE PLAN (S. ABUT. & PIER 13)

(Drains at Sta. 2+30.87 & 6+47.43)



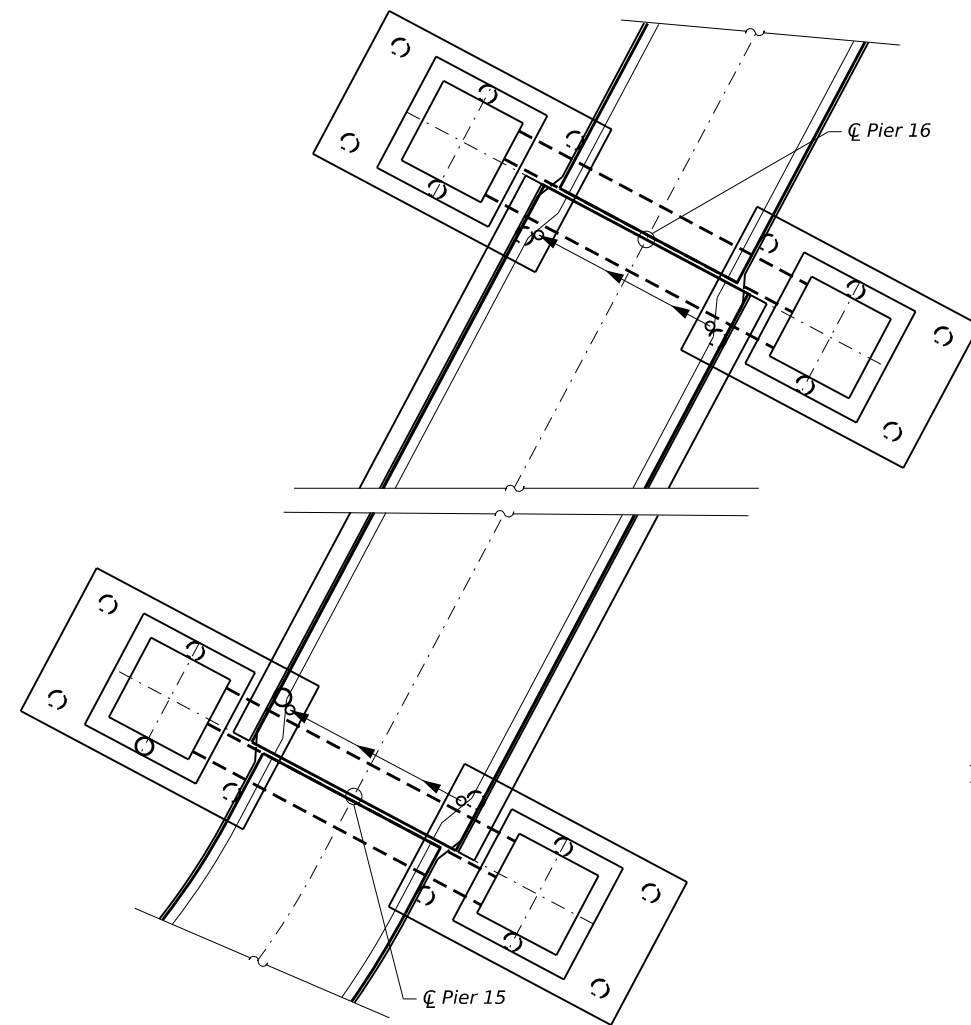
DRAINAGE PLAN (PIER 4)

(Drains at Sta. 3+70.09)



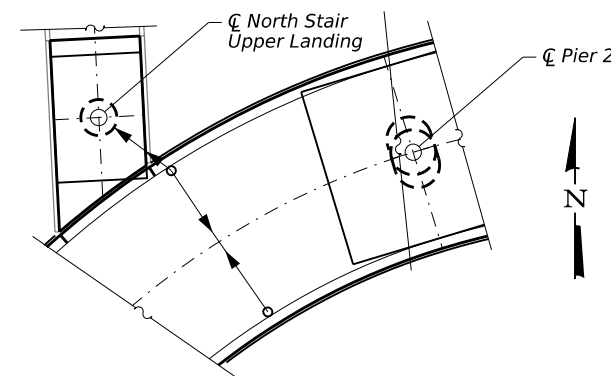
DRAINAGE PLAN (PIER 9)

(Drains at Sta. 5+14.80)



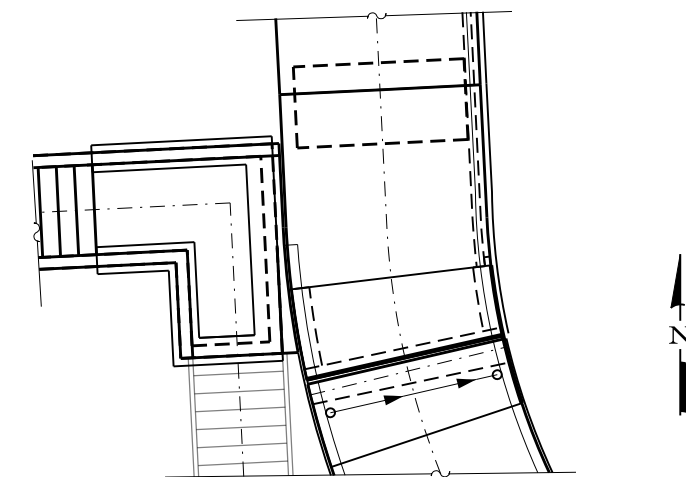
DRAINAGE PLAN (PIER 15 & 16)

(Drains at Sta. 7+24.06 & 9+24.90)



DRAINAGE PLAN (BETWEEN PIER 21 & 22)

(Drains at Sta. 11+06.76)



DRAINAGE PLAN (N. ABUT.)

(Drains at Sta. 13+98.16)

LEGEND:

6" Dia. Floor Drain

Pipe for Drainage System on bridge, arrow indicates direction of flow

NOTES:

1. For drainage system notes, see sheet S-60

MODEL: \$MODELNAME\$ FILE NAME: p:\ciorba-pw-bentley.com\ciorba-pw-01\Documents\Projects\IL_Municipalities\Mount Prospect\0021717.01\CADD_Data\Structural\0021717.01-XXXX-60-Drainage_System_1.dgn



USER NAME =	DESIGNED - EMA	REVISED -
	CHECKED - JMK	REVISED -
PLOT SCALE =	DRAWN - EMA	REVISED -
PLOT DATE =	CHECKED - JMK	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

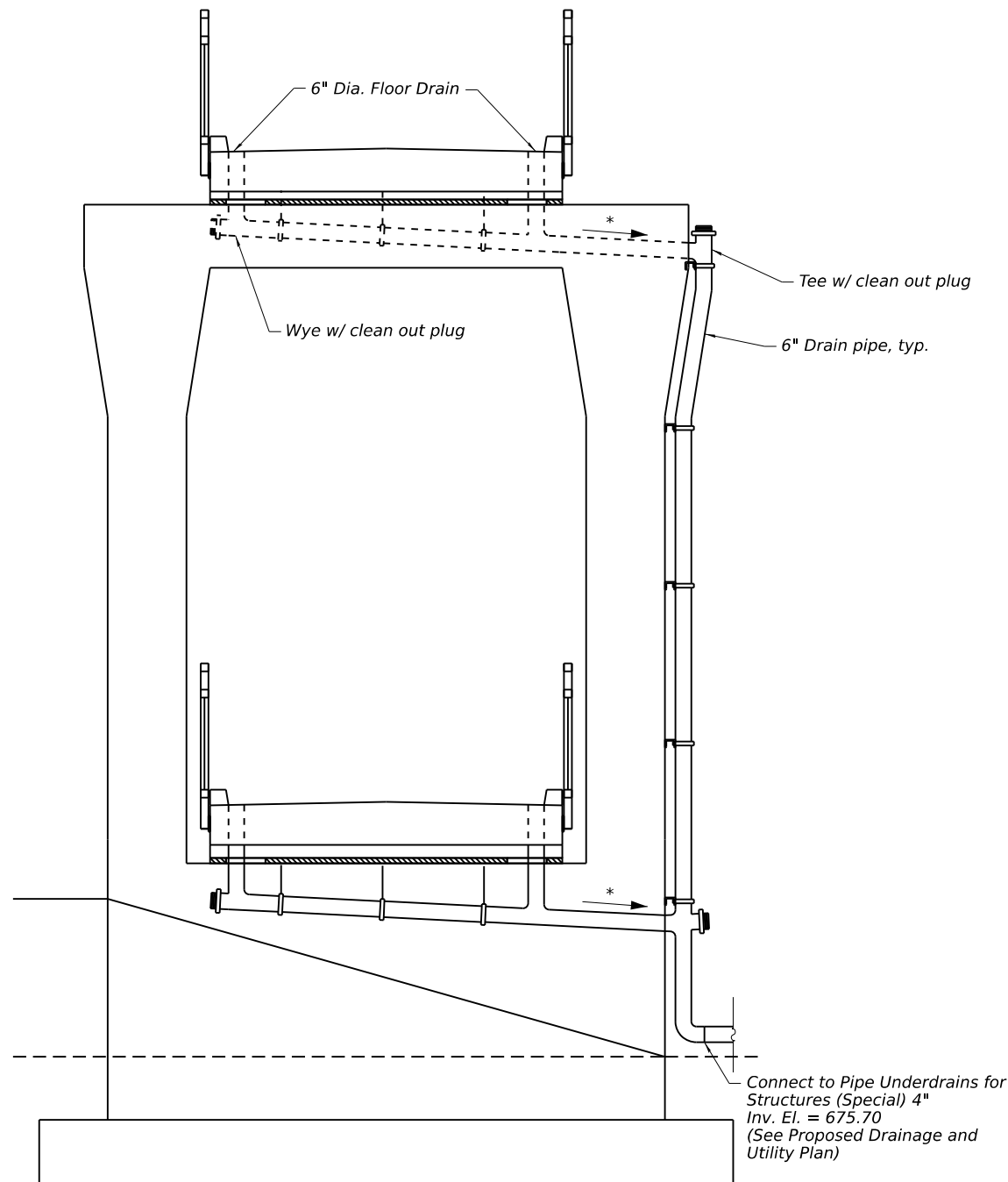
**DRAINAGE SYSTEM 1
STRUCTURE NO. 016-7542**

SHEET 5-60 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	131
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

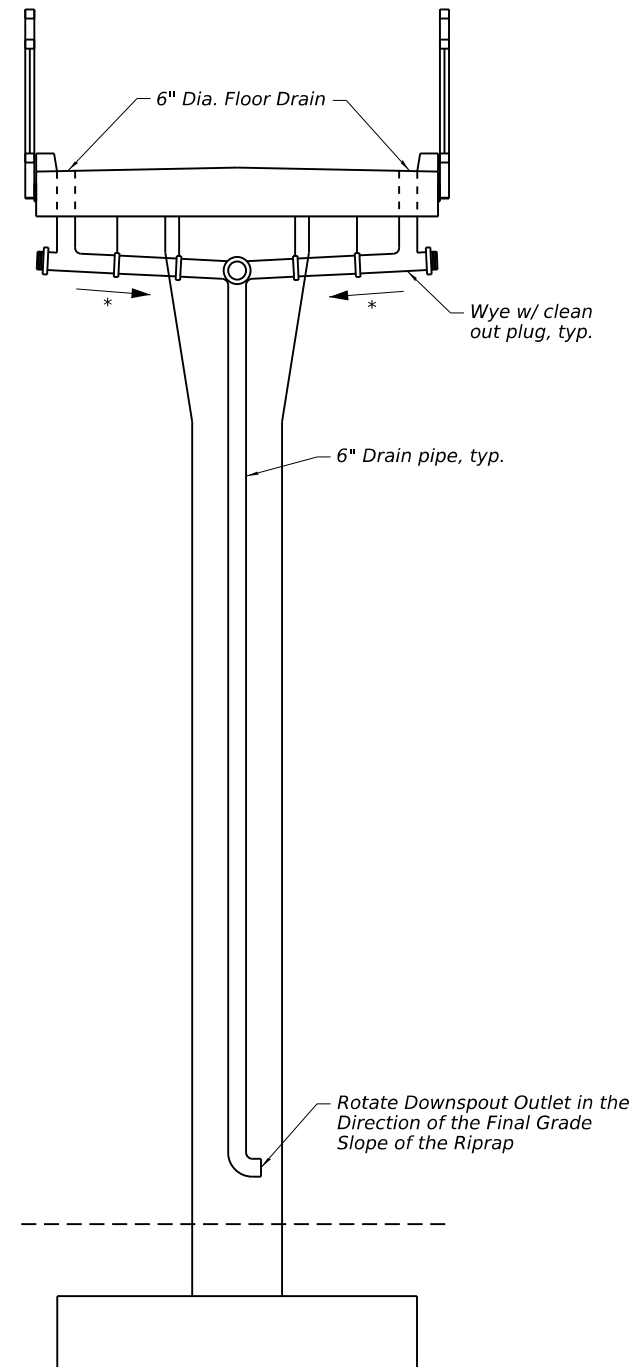
NOTES:

1. For drainage system notes, see Sheet S-60



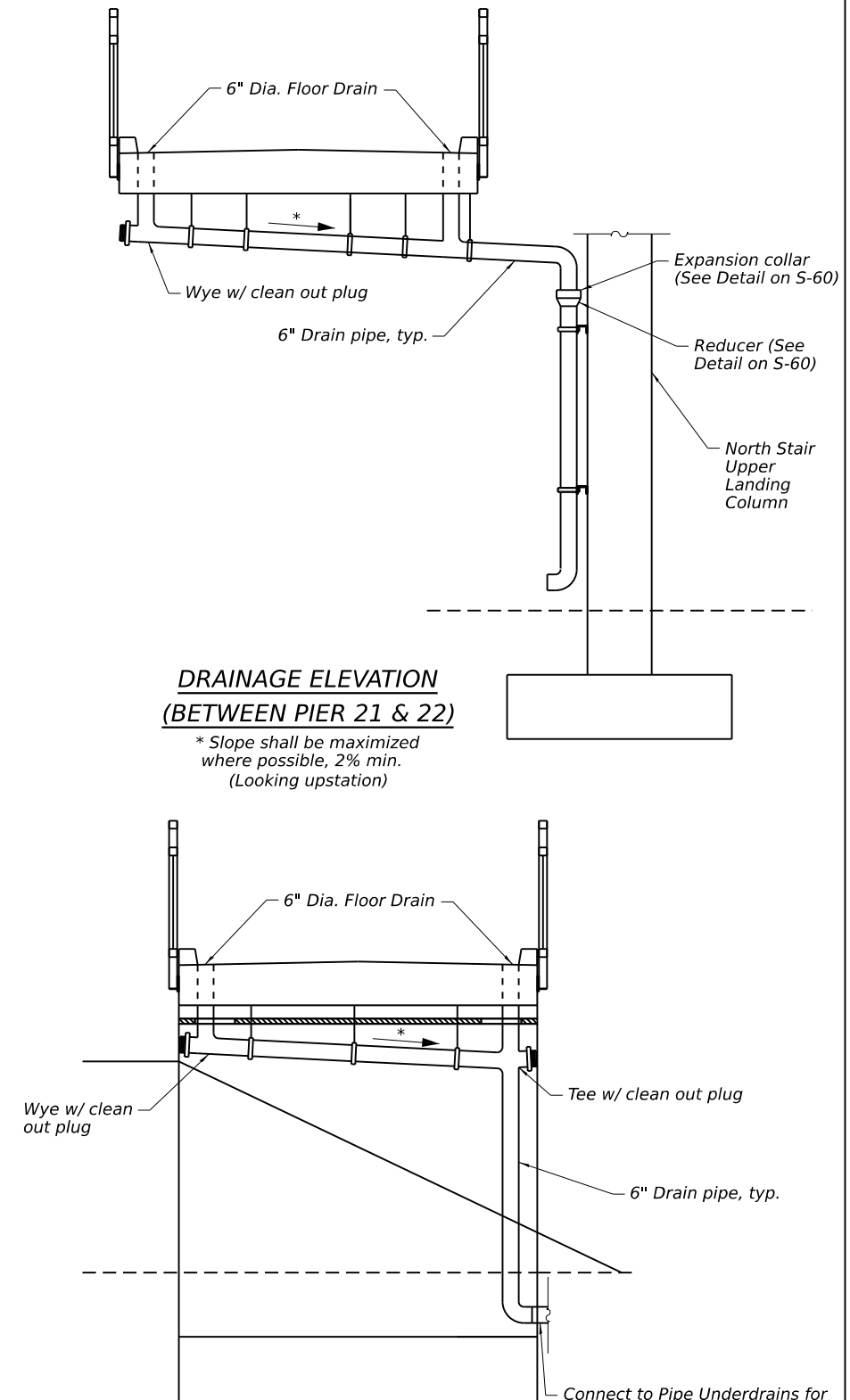
**DRAINAGE ELEVATION
(S. ABUT. & PIER 13)**

* Slope shall be maximized where possible, 2% min. (Looking downstation)



**DRAINAGE ELEVATION
(PIER 4 & 9)**

* Slope shall be maximized where possible, 2% min. (Looking downstation, Pier 4) (Looking upstation, Pier 9) (Looking upstation, Pier 21)



**DRAINAGE ELEVATION
(BETWEEN PIER 21 & 22)**

* Slope shall be maximized where possible, 2% min. (Looking upstation)

**DRAINAGE ELEVATION
(N. ABUT.)**

* Slope shall be maximized where possible, 2% min. (Looking upstation)

MODEL: \$MODELNAME\$
FILE NAME: p:\ciorba-pw-bentley.com\ciorba-pw-01\Documents\Projects\IL_Municipalities\Mount Prospect\0021717.01\CADD_Data\Struct\0021717.01-XXXX-61-Drainage_System_2.dgn



USER NAME =	DESIGNED - EMA	REVISED -
	CHECKED - JMK	REVISED -
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PLOT DATE =	CHECKED - JMK	REVISED -

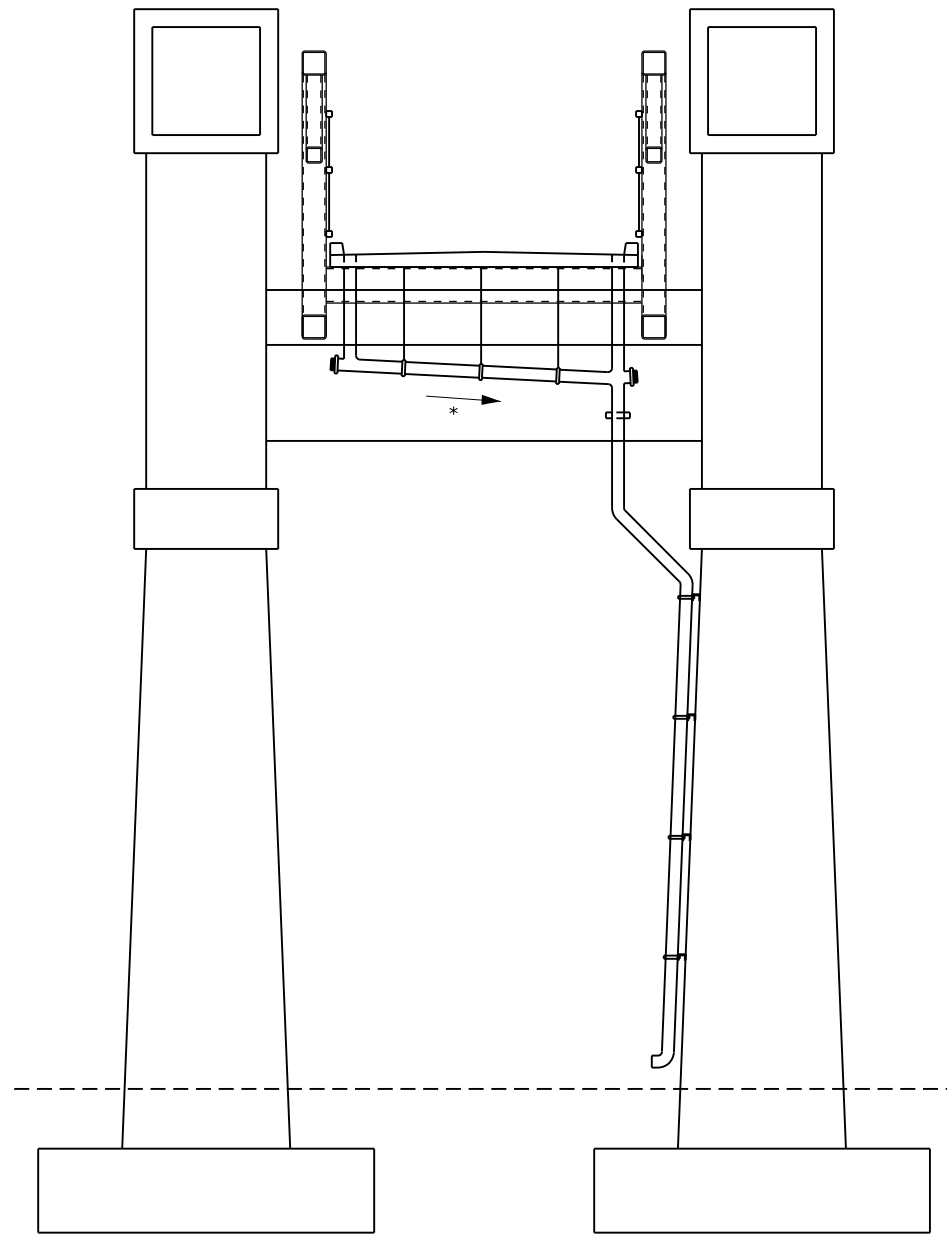
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE SYSTEM 2
STRUCTURE NO. 016-7542**

SHEET 5-61 OF 5-68 SHEETS

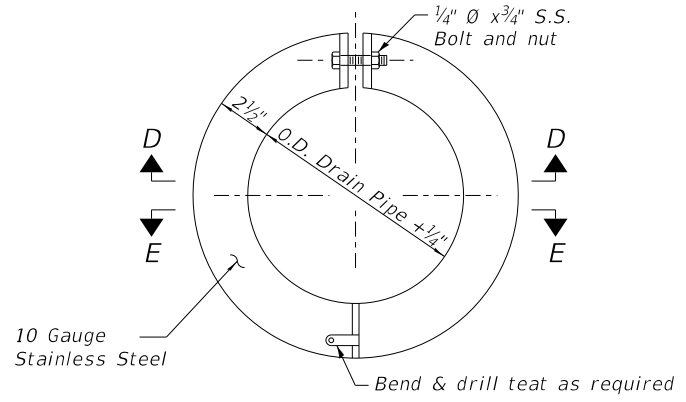
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CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

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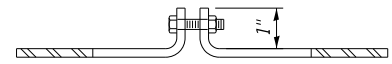


**DRAINAGE ELEVATION
(PIER 15 & PIER 16)**

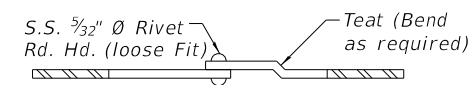
*Slope shall be maximized where possible, 2% min.
 (Looking downstation, Pier 15)
 (Looking upstation, Pier 16)



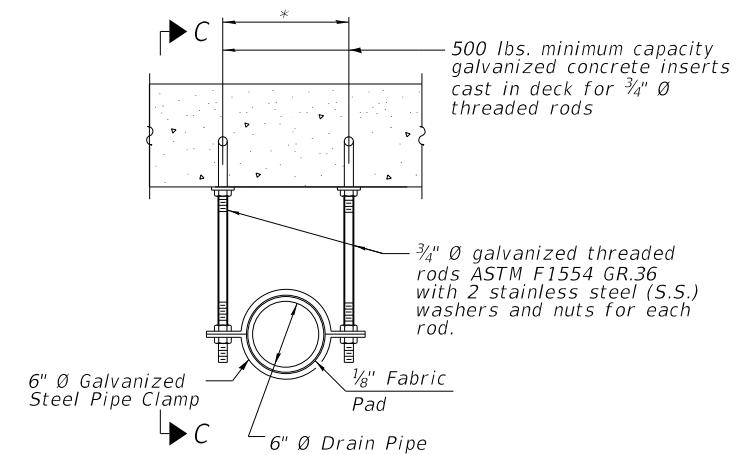
DETAIL OF EXPANSION COLLAR



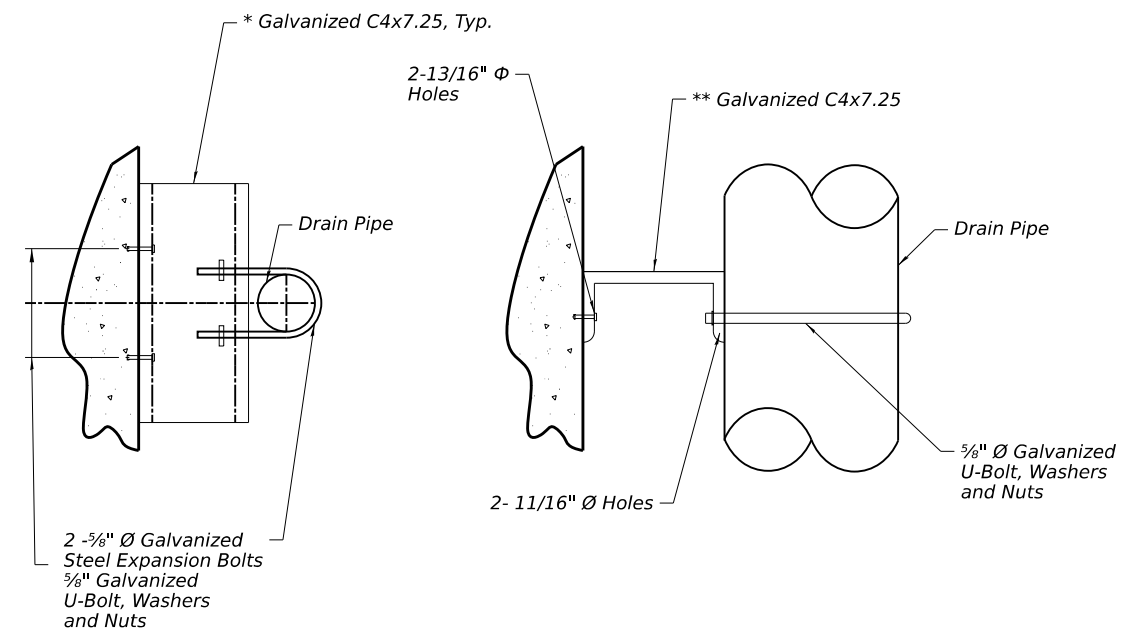
SECTION D-D



SECTION E-E

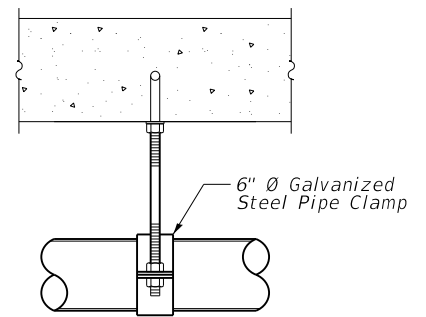


COLLECTOR PIPE HANGER DETAIL

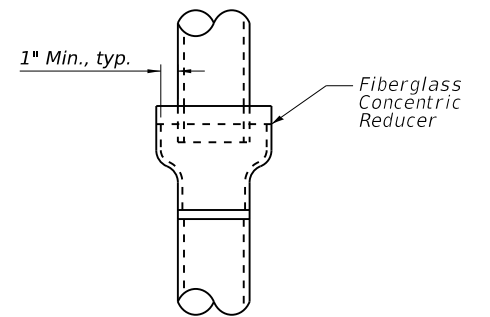


PIPE SUPPORT DETAIL

* Provide curved galvanized C6x8.2 to fit Round Pier Columns where needed



VIEW C-C



REDUCER DETAIL

NOTES:

1. S.S. denotes stainless steel.
2. Provide structural support from proposed deck slab for drain pipe per Manufacturer's recommendations, not to exceed 5' cts. Cost included with Drainage System for Structures.
3. All pipes, pipe fittings, collars, inserts, brackets, and other miscellaneous hardware shall be included with the cost of Drainage System for Structures.
4. The drainage system shall be painted with a finish coat of black. Cost included with Drainage System for Structures.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Drainage System For Structures	L Sum	1

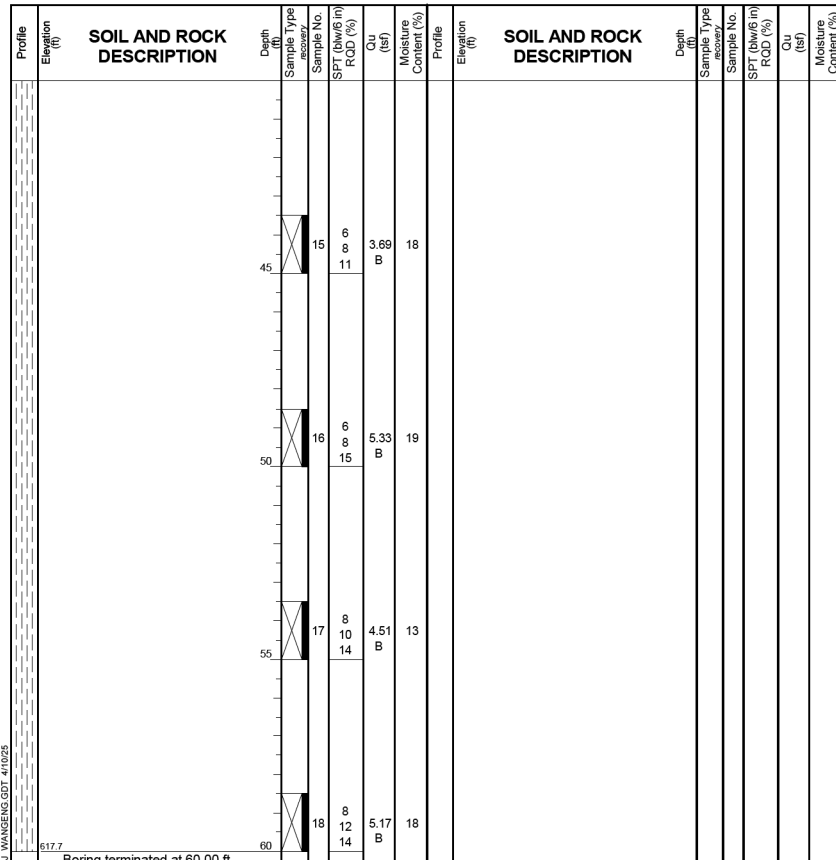
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Wang Engineering
 wangeng@wangeng.com
 Telephone: _____
 Fax: _____

BORING LOG B-02
 WEI Job No.: KE235294
 Client: **Ciorba Group, Inc.**
 Project: **Melas-Meadows Shared-Use Bridge**
 Location: **Mt. Prospect, Cook County, Illinois**

Datum: NAVD 88
 Elevation: 677.67 ft
 North: 1968971.28 ft
 East: 1087034.18 ft
 Station: 9+50.81
 Offset: 8.116 RT

Page 2 of 2



GENERAL NOTES
 Begin Drilling: 04-05-2021 Complete Drilling: 04-05-2021
 Drilling Contractor: Wang Testing Services Drill Rig: 13CME55T [85%]
 Driller: R&J Logger: I. Nenn Checked by: J. Bensen
 Drilling Method: 3.25" ID HSA; boring backfilled upon completion

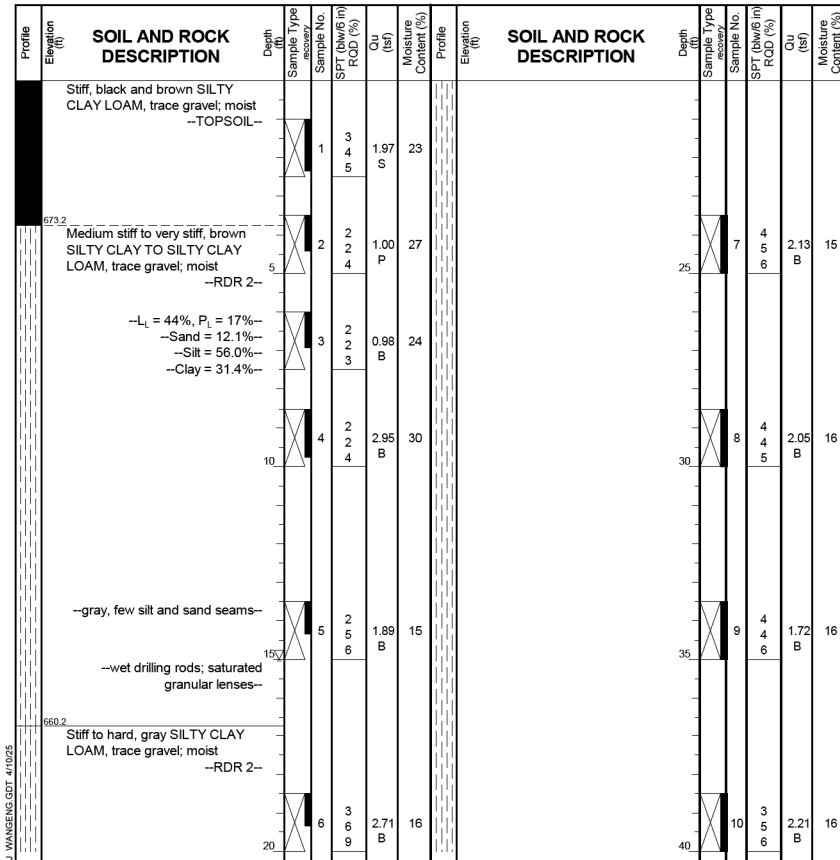
WATER LEVEL DATA
 While Drilling: 10.50 ft
 At Completion of Drilling: DRY
 Time After Drilling: NA
 Depth to Water: NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

Wang Engineering
 wangeng@wangeng.com
 Telephone: _____
 Fax: _____

BORING LOG B-03
 WEI Job No.: KE235294
 Client: **Ciorba Group, Inc.**
 Project: **Melas-Meadows Shared-Use Bridge**
 Location: **Mt. Prospect, Cook County, Illinois**

Datum: NAVD 88
 Elevation: 676.91 ft
 North: 1968789.42 ft
 East: 1086816.71 ft
 Station: 6+06.17
 Offset: 0.208 RT

Page 1 of 2



GENERAL NOTES
 Begin Drilling: 07-17-2024 Complete Drilling: 07-17-2024
 Drilling Contractor: Wang Testing Services Drill Rig: 20CME55T [81%]
 Driller: GT&AP Logger: A. Scifers Checked by: M. Snider
 Drilling Method: 3.25" ID HSA; backfilled upon completion

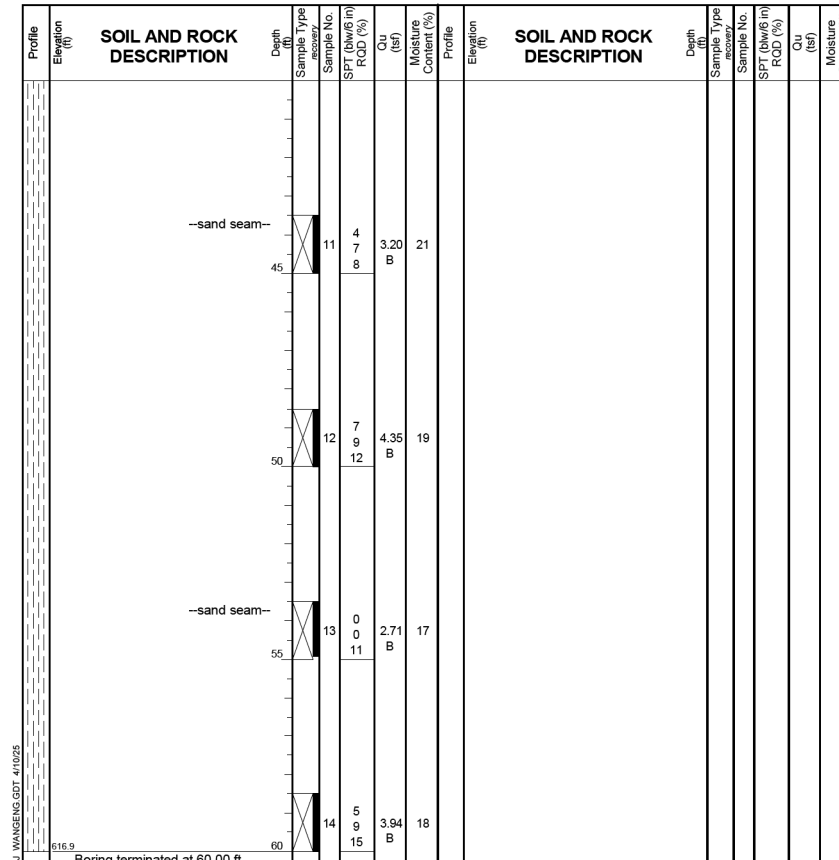
WATER LEVEL DATA
 While Drilling: 15.00 ft
 At Completion of Drilling: Dry
 Time After Drilling: NA
 Depth to Water: NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

Wang Engineering
 wangeng@wangeng.com
 Telephone: _____
 Fax: _____

BORING LOG B-03
 WEI Job No.: KE235294
 Client: **Ciorba Group, Inc.**
 Project: **Melas-Meadows Shared-Use Bridge**
 Location: **Mt. Prospect, Cook County, Illinois**

Datum: NAVD 88
 Elevation: 676.91 ft
 North: 1968789.42 ft
 East: 1086816.71 ft
 Station: 6+06.17
 Offset: 0.208 RT

Page 2 of 2



GENERAL NOTES
 Begin Drilling: 07-17-2024 Complete Drilling: 07-17-2024
 Drilling Contractor: Wang Testing Services Drill Rig: 20CME55T [81%]
 Driller: GT&AP Logger: A. Scifers Checked by: M. Snider
 Drilling Method: 3.25" ID HSA; backfilled upon completion

WATER LEVEL DATA
 While Drilling: 15.00 ft
 At Completion of Drilling: Dry
 Time After Drilling: NA
 Depth to Water: NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOG 2
 STRUCTURE NO. 016-7542
 SHEET 5-64 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	134
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

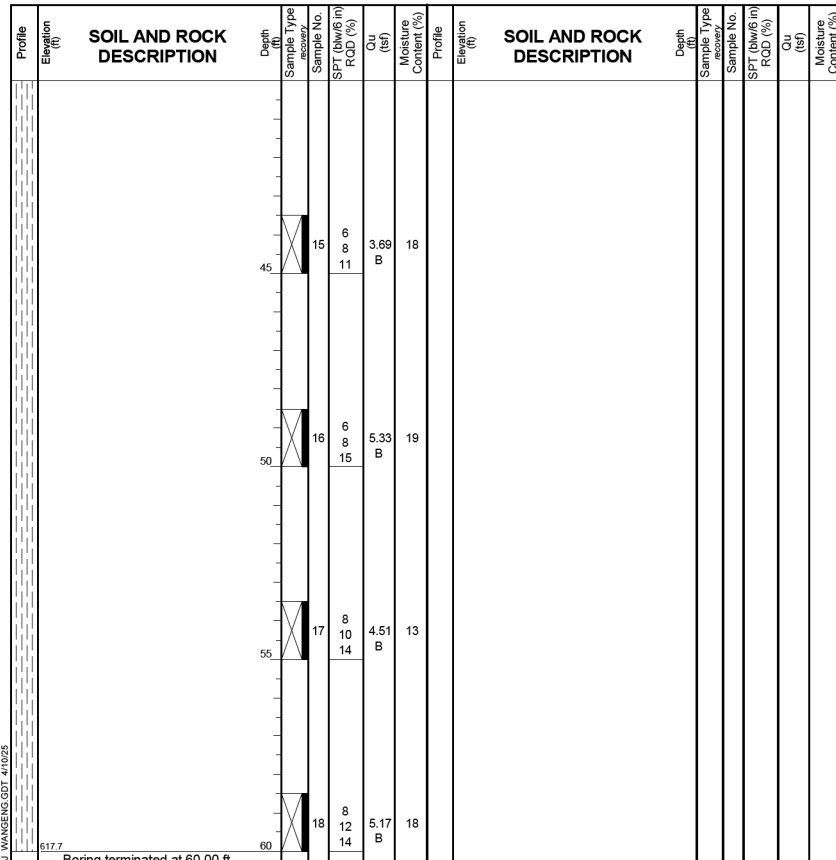
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 1/22/2026 11:38:38 AM

Wang Engineering
 wangeng@wangeng.com
 Telephone: _____
 Fax: _____

BORING LOG B-02
 WEI Job No.: KE235294
 Client: **Ciorba Group, Inc.**
 Project: **Melas-Meadows Shared-Use Bridge**
 Location: **Mt. Prospect, Cook County, Illinois**

Datum: NAVD 88
 Elevation: 677.67 ft
 North: 1968971.28 ft
 East: 1087034.18 ft
 Station: 9+50.81
 Offset: 8.116 RT

Page 2 of 2



GENERAL NOTES
 Begin Drilling: 04-05-2021 Complete Drilling: 04-05-2021
 Drilling Contractor: Wang Testing Services Drill Rig: 13CME55T [85%]
 Driller: R&J Logger: I. Nenn Checked by: J. Bensen
 Drilling Method: 3.25" ID HSA; boring backfilled upon completion

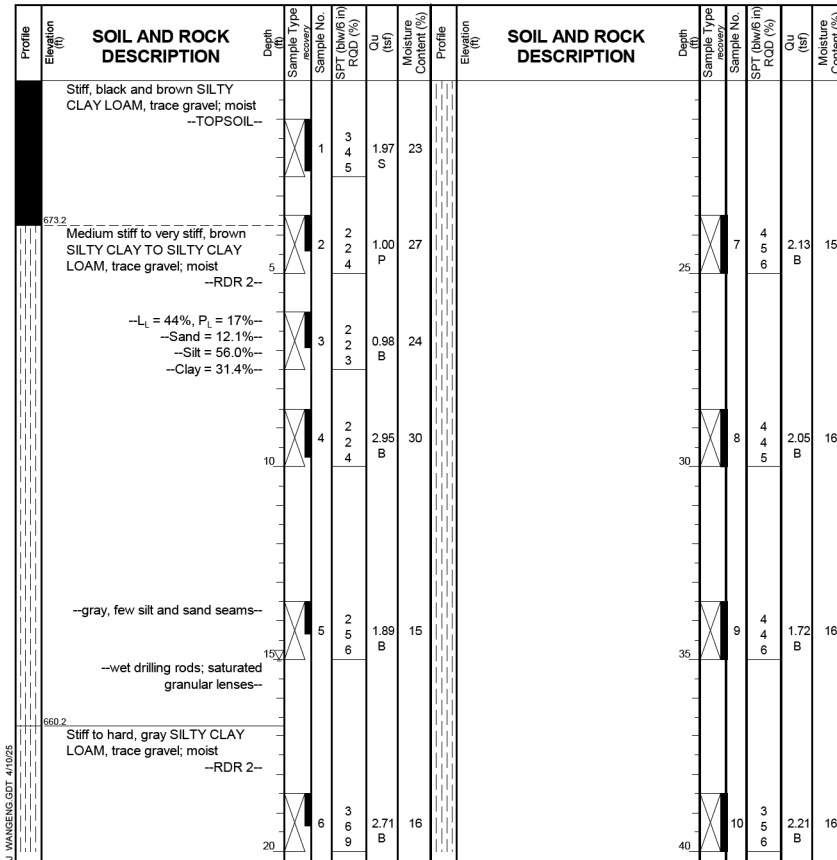
WATER LEVEL DATA
 While Drilling: 10.50 ft
 At Completion of Drilling: DRY
 Time After Drilling: NA
 Depth to Water: NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

Wang Engineering
 wangeng@wangeng.com
 Telephone: _____
 Fax: _____

BORING LOG B-03
 WEI Job No.: KE235294
 Client: **Ciorba Group, Inc.**
 Project: **Melas-Meadows Shared-Use Bridge**
 Location: **Mt. Prospect, Cook County, Illinois**

Datum: NAVD 88
 Elevation: 676.91 ft
 North: 1968789.42 ft
 East: 1086816.71 ft
 Station: 6+06.17
 Offset: 0.208 RT

Page 1 of 2



GENERAL NOTES
 Begin Drilling: 07-17-2024 Complete Drilling: 07-17-2024
 Drilling Contractor: Wang Testing Services Drill Rig: 20CME55T [81%]
 Driller: GT&AP Logger: A. Scifers Checked by: M. Snider
 Drilling Method: 3.25" ID HSA; backfilled upon completion

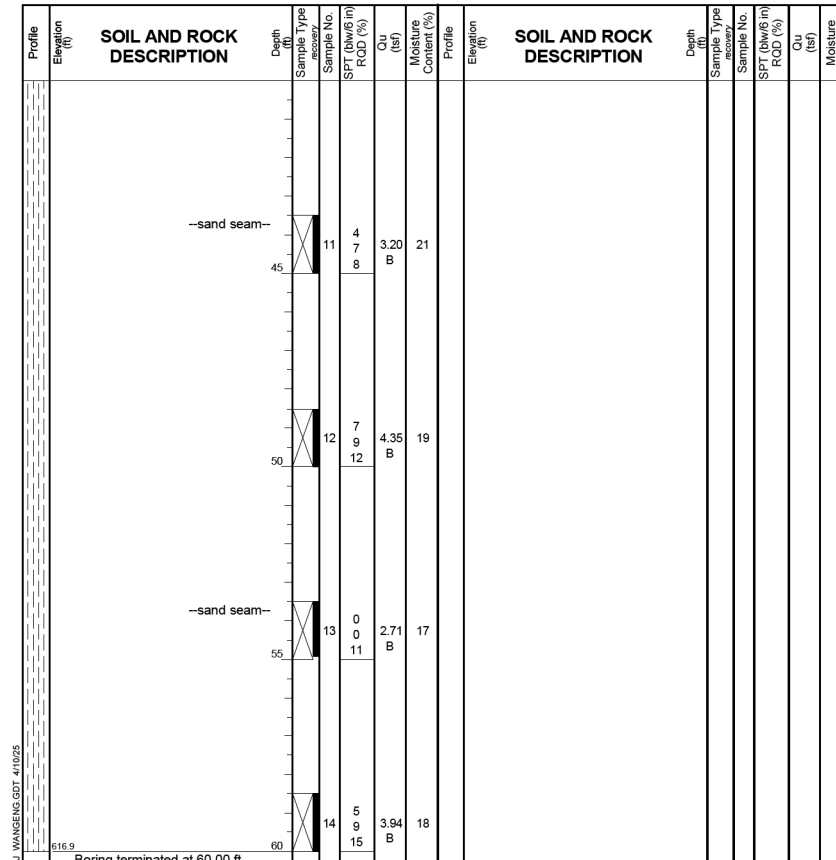
WATER LEVEL DATA
 While Drilling: 15.00 ft
 At Completion of Drilling: Dry
 Time After Drilling: NA
 Depth to Water: NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

Wang Engineering
 wangeng@wangeng.com
 Telephone: _____
 Fax: _____

BORING LOG B-03
 WEI Job No.: KE235294
 Client: **Ciorba Group, Inc.**
 Project: **Melas-Meadows Shared-Use Bridge**
 Location: **Mt. Prospect, Cook County, Illinois**

Datum: NAVD 88
 Elevation: 676.91 ft
 North: 1968789.42 ft
 East: 1086816.71 ft
 Station: 6+06.17
 Offset: 0.208 RT

Page 2 of 2



GENERAL NOTES
 Begin Drilling: 07-17-2024 Complete Drilling: 07-17-2024
 Drilling Contractor: Wang Testing Services Drill Rig: 20CME55T [81%]
 Driller: GT&AP Logger: A. Scifers Checked by: M. Snider
 Drilling Method: 3.25" ID HSA; backfilled upon completion

WATER LEVEL DATA
 While Drilling: 15.00 ft
 At Completion of Drilling: Dry
 Time After Drilling: NA
 Depth to Water: NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOG 2
 STRUCTURE NO. 016-7542
 SHEET 5-64 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	135
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

MODEL: \$MODELNAME
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Wang Engineering
 wangeng@wangeng.com

BORING LOG B-04
 WEI Job No.: KE235294

Datum: NAVD 88
 Elevation: 676.82 ft
 North: 1968626.77 ft
 East: 1096789.04 ft
 Station: 5+59.95
 Offset: 4.753 LT

Client: **Ciorba Group, Inc.**
 Project: **Melas-Meadows Shared-Use Bridge**
 Location: **Mt. Prospect, Cook County, Illinois**

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT (blows/ft)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT (blows/ft)	Moisture Content (%)
676.5	TOPSOIL					655.1	Stiff, gray SILTY CLAY LOAM, some gravel, moist				
	Very stiff to hard, brown, black, and gray SILTY CLAY LOAM, some gravel; damp	1	21	4.10	17		3-inch thick SILT layer	7	4	3	12
		2	6	2.05	26		Medium stiff, gray SILTY CLAY LOAM, trace gravel, few silt seams; moist	8	4	3	13
		3	5	2.05	22		Hard, gray SILTY CLAY, trace gravel, moist	9	5	5	20
		4	3	0.82	23			10	3	5	16
		5	6	2.87	16			11	6	12	15
658.8	Medium stiff to very stiff, gray SILTY CLAY LOAM, trace gravel, few silt seams; moist					650.1	Stiff to hard, gray SILTY CLAY, trace gravel; moist				
		6	7	4.51	22			12	8	12	15
		7	4	1.64	23			13	3	4	6
		8	3	0.90	13			14	8	12	15
		9	5	N/A	20			15	4	6	6
		10	5	1.64	16			16	5	9	9
		11	6	4.51	22			17	6	12	15
		12	7	1.64	23			18	7	11	11
		13	4	0.90	13			19	8	12	15
		14	3	0.90	13			20	9	11	11
		15	5	N/A	20			21	10	10	10
		16	6	4.51	22			22	11	10	10
		17	4	1.64	23			23	12	9	9
		18	3	0.90	13			24	13	8	8
		19	5	1.64	16			25	14	7	7
		20	6	4.51	22			26	15	6	6

GENERAL NOTES
 Begin Drilling: 07-26-2024
 Complete Drilling: 07-26-2024
 Drilling Contractor: Wang Testing Services
 Drill Rig: 20CME55T[81%]
 Driller: KS&AP
 Logger: L. Corral
 Checked by: M. Snider
 Drilling Method: 2.25" ID HSA to 10', mud rotary thereafter; backfilled upon completion

WATER LEVEL DATA
 While Drilling: DRY
 At Completion of Drilling: MUD
 Time After Drilling: NA
 Depth to Water: NA

The stratification lines represent the approximate boundary between soil boxes. The actual transition may be gradual.

Wang Engineering
 wangeng@wangeng.com

BORING LOG B-04
 WEI Job No.: KE235294

Datum: NAVD 88
 Elevation: 676.82 ft
 North: 1968626.77 ft
 East: 1096789.04 ft
 Station: 5+59.95
 Offset: 4.753 LT

Client: **Ciorba Group, Inc.**
 Project: **Melas-Meadows Shared-Use Bridge**
 Location: **Mt. Prospect, Cook County, Illinois**

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT (blows/ft)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT (blows/ft)	Moisture Content (%)
616.8	Boring terminated at 60.00 ft										

GENERAL NOTES
 Begin Drilling: 07-26-2024
 Complete Drilling: 07-26-2024
 Drilling Contractor: Wang Testing Services
 Drill Rig: 20CME55T[81%]
 Driller: KS&AP
 Logger: L. Corral
 Checked by: M. Snider
 Drilling Method: 2.25" ID HSA to 10', mud rotary thereafter; backfilled upon completion

WATER LEVEL DATA
 While Drilling: DRY
 At Completion of Drilling: MUD
 Time After Drilling: NA
 Depth to Water: NA

The stratification lines represent the approximate boundary between soil boxes. The actual transition may be gradual.

Wang Engineering
 wangeng@wangeng.com

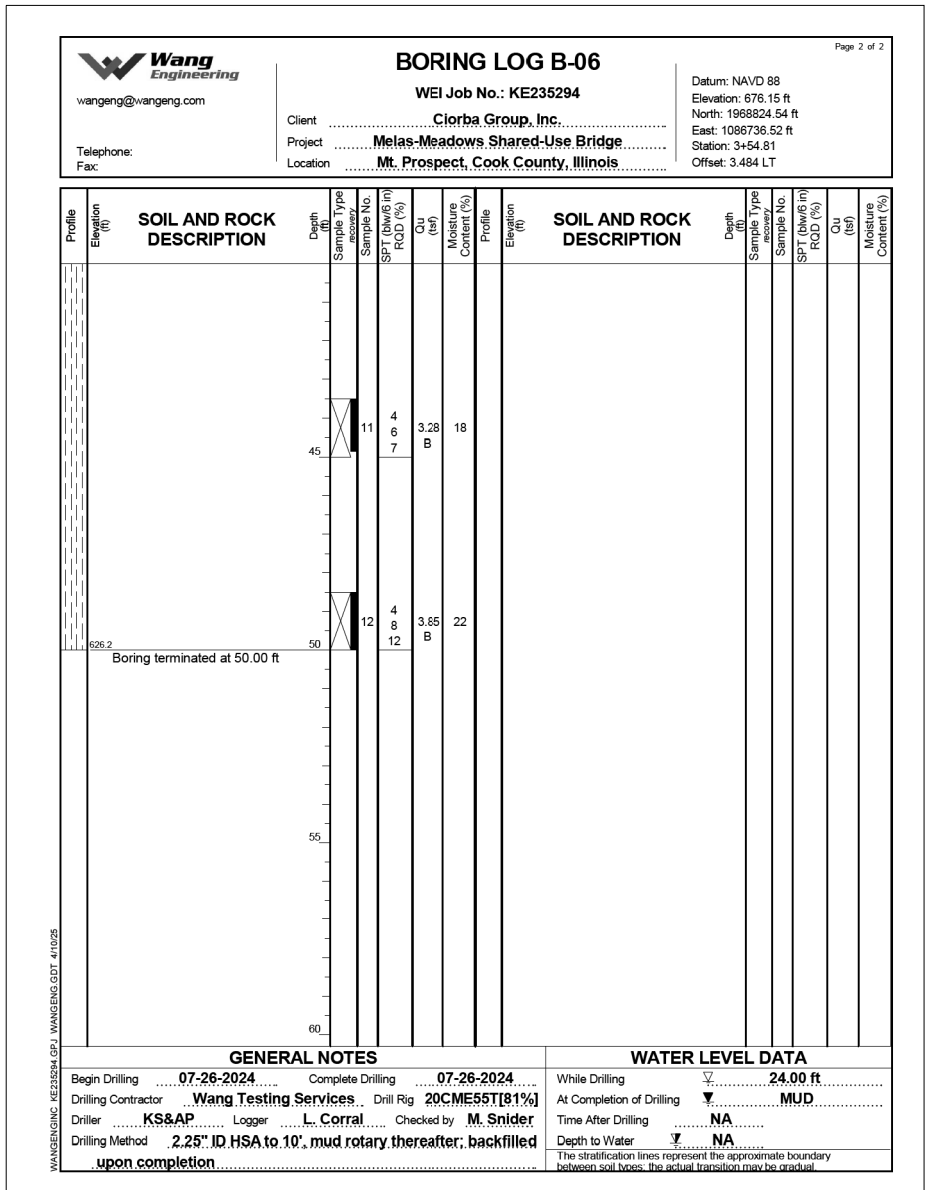
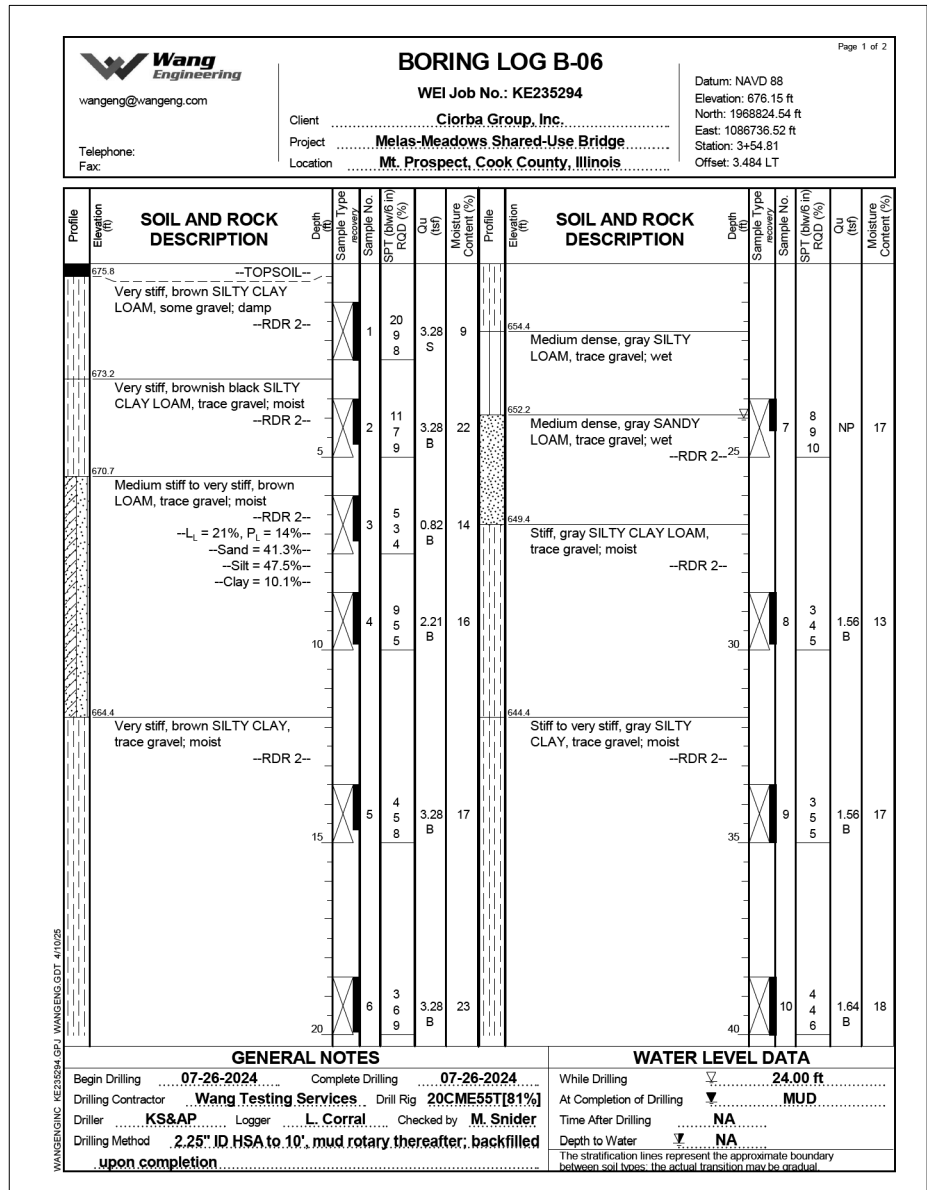
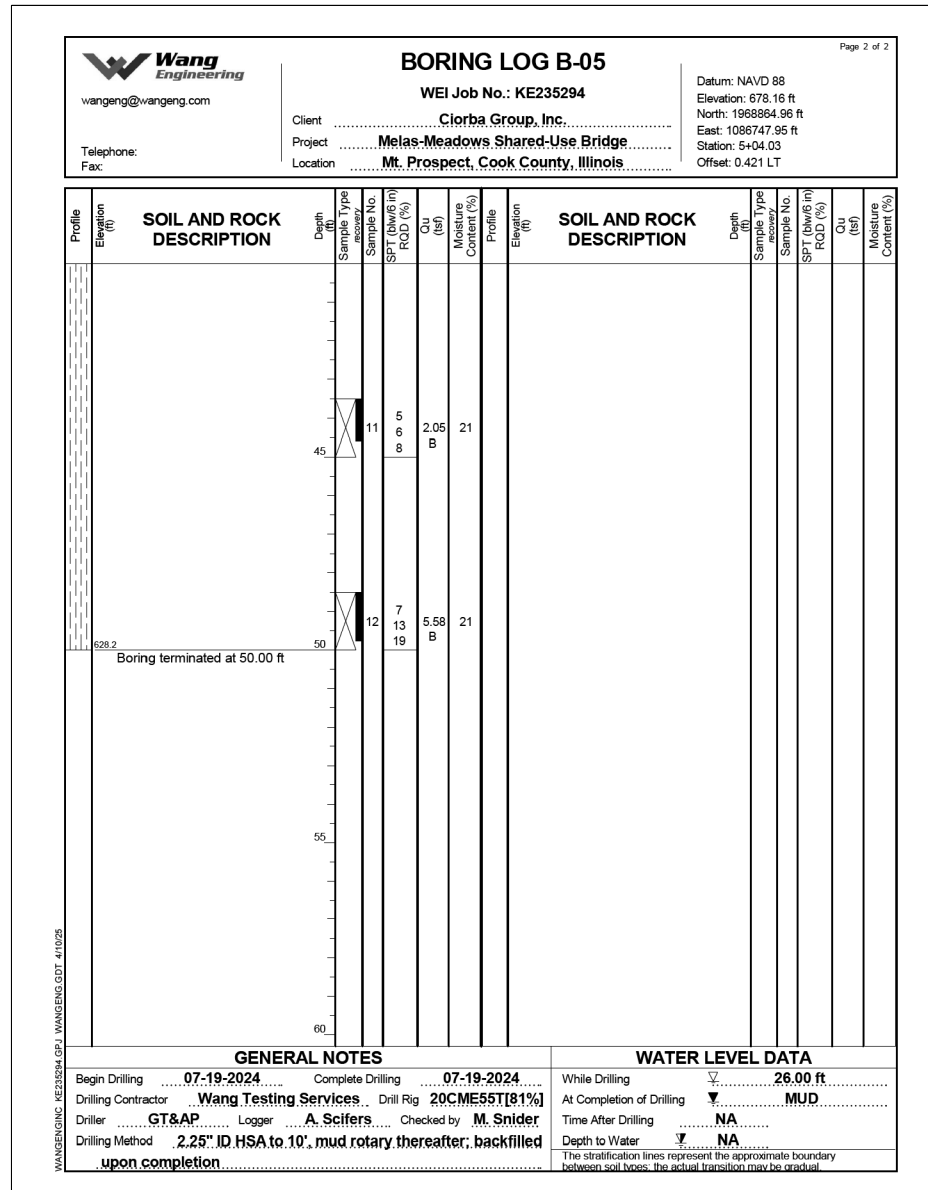
BORING LOG B-05
 WEI Job No.: KE235294

Datum: NAVD 88
 Elevation: 673.16 ft
 North: 1968684.95 ft
 East: 1096747.95 ft
 Station: 5+04.03
 Offset: 0.421 LT

Client: **Ciorba Group, Inc.**
 Project: **Melas-Meadows Shared-Use Bridge**
 Location: **Mt. Prospect, Cook County, Illinois**

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT (blows/ft)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT (blows/ft)	Moisture Content (%)
676.7	17-inch thick, black SILTY CLAY LOAM					653.8	Medium stiff, gray SILTY CLAY LOAM, trace gravel; moist				
	TOPSOIL						Stiff, black SILTY CLAY				
	Very stiff, black and gray SILTY CLAY LOAM, some gravel, brick, and glass fragments; moist	1	8	3.00	10		BURIED TOPSOIL				
		2	9	2.00	11		Stiff to very stiff, brown to gray SILTY CLAY LOAM to SILTY CLAY, trace gravel; moist				
		3	3	1.00	26						
		4	4	1.64	19						
		5	4	1.64	19						
		6	5	2.79	24						
		7	4	1.64	19						
		8	4	1.64	19						
		9	4	1.64	19						
		10	4	1.64	19						
		11	5	2.79	24						
		12	6	4.51	22						
		13	7	4.51	22						
		14	8	4.51	22						
		15	9	4.51	22						
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		38	32	4.51	22						
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		65	59	4.51	22						
		66	60	4.51	22						
		67	61	4.51	22						
		68	62	4.51	22						
		69	63	4.51	22						
		70	64	4.51	22						
		71	65	4.51	22						
		72	66	4.51	22						
		73	67	4.51	22						
		74	68	4.51	22						
		75	69	4.51	22						
		76	70	4.51	22						
		77	71	4.51	22						
		78	72	4.51	22						
		79	73	4.51	22						
		80	74	4.51	22						
		81	75	4.51	22						
		82	76	4.51	22						
		83	77	4.51	22						
		84	78	4.51	22						
		85	79	4.51	22						
		86	80	4.51	22						
		87	81	4.51	22						
		88	82	4.51	22						
		89	83	4.51	22						
		90	84	4.51	22						
		91	85	4.51	22						
		92	86	4.51	22						
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USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BORING LOGS 4
 STRUCTURE NO. 016-7542**

SHEET 5-66 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	137
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		

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 1/22/2026 11:39:15 AM

Wang Engineering
 wangeng@wangeng.com
 Telephone: _____ Fax: _____

BORING LOG B-07
 WEI Job No.: KE235294
 Client: **Ciorba Group, Inc.**
 Project: **Melas-Meadows Shared-Use Bridge**
 Location: **Mt. Prospect, Cook County, Illinois**

Datum: NAVD 88
 Elevation: 679.29 ft
 North: 1969019.74 ft
 East: 1086970.67 ft
 Station: 11+67.16
 Offset: 2.327 LT

Page 1 of 2

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT (blows/ft) ROD (%)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT (blows/ft) ROD (%)	Qu (tsf)	Moisture Content (%)
677.8	18-inch thick, black SILTY CLAY LOAM --TOPSOIL--	0					677.5	Very stiff, gray SILTY LOAM, trace gravel; moist	0				
	Very stiff to hard, brown SILTY CLAY LOAM, trace gravel, few sand and silt seams; moist --RDR 2--	1	12	10	6.31	21			1	7	4	5	18
		2	5	5	3.00	17			2	8	5	6	18
		3	9	4	2.21	19			3	8	6	8	19
		4	6	7	2.62	21			4	8	6	11	21
		5	3	3	0.74	14			5	5	6	9	16
657.5	Medium stiff, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel, few sand seams; moist --RDR 2--	15					652.5	Stiff to very stiff, gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; moist --RDR 2-- --sand seam--	35				
		6	6	6	NP	19			6	5	11	10	16
652.5	Medium dense, gray, coarse SAND, trace gravel; saturated --RDR 2--	20							7	5	11	10	16
		10	7	8	NP	16			8	5	11	10	16
		15	8	7	NP	16			9	4	7	9	19

GENERAL NOTES
 Begin Drilling 07-22-2024 Complete Drilling 07-22-2024
 Drilling Contractor Wang Testing Services Drill Rig 20CME55T[81%]
 Driller KS> Logger A. Scifers Checked by M. Snider
 Drilling Method 2.25" ID HSA to 10', mud rotary thereafter; backfilled upon completion

WATER LEVEL DATA
 While Drilling 16.75 ft
 At Completion of Drilling MUD
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual

Wang Engineering
 wangeng@wangeng.com
 Telephone: _____ Fax: _____

BORING LOG B-07
 WEI Job No.: KE235294
 Client: **Ciorba Group, Inc.**
 Project: **Melas-Meadows Shared-Use Bridge**
 Location: **Mt. Prospect, Cook County, Illinois**

Datum: NAVD 88
 Elevation: 679.29 ft
 North: 1969019.74 ft
 East: 1086970.67 ft
 Station: 11+67.16
 Offset: 2.327 LT

Page 2 of 2

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT (blows/ft) ROD (%)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT (blows/ft) ROD (%)	Qu (tsf)	Moisture Content (%)
635.5	Medium dense, gray SAND, trace gravel; moist	45					634.5	Very stiff, gray SILTY CLAY, trace gravel; moist --RDR 2--	45				
		11	7	11	NP	19			11	8	13	15	21
		12	8	13	2.50	21			12	8	13	15	21
629.3	Boring terminated at 50.00 ft	50							13	5	11	10	16

GENERAL NOTES
 Begin Drilling 07-22-2024 Complete Drilling 07-22-2024
 Drilling Contractor Wang Testing Services Drill Rig 20CME55T[81%]
 Driller KS> Logger A. Scifers Checked by M. Snider
 Drilling Method 2.25" ID HSA to 10', mud rotary thereafter; backfilled upon completion

WATER LEVEL DATA
 While Drilling 16.75 ft
 At Completion of Drilling MUD
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual

Wang Engineering
 wangeng@wangeng.com
 Telephone: _____ Fax: _____

BORING LOG B-08
 WEI Job No.: KE235294
 Client: **Ciorba Group, Inc.**
 Project: **Melas-Meadows Shared-Use Bridge**
 Location: **Mt. Prospect, Cook County, Illinois**

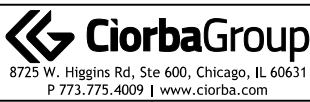
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 North: 1969079.27 ft
 East: 1087007.10 ft
 Station: 10+87.07
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Page 1 of 2

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT (blows/ft) ROD (%)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT (blows/ft) ROD (%)	Qu (tsf)	Moisture Content (%)
675.4	44-inch thick, black SILTY CLAY LOAM --TOPSOIL--	0					675.0	8-inch thick, brown SILTY CLAY LOAM	0				
	Soft to stiff, brown LOAM to SANDY LOAM, trace gravel; moist --RDR 2--	1	5	3	1.31	23			1	8	3	4	18
		2	3	3	0.25	18			2	6	6	8	19
		3	6	6	2.13	19			3	5	6	5	14
670.2	Very stiff, brown SILTY CLAY LOAM, trace gravel; moist --RDR 2--	6					666.6	Medium dense, gray SILTY LOAM, trace gravel; moist --RDR 2--	10				
		6	8	8	2.50	14			10	7	8	7	16
		7	8	7	NP	11			11	4	7	9	19
		8	10	10	NP	11	646.5	Stiff to very stiff, gray SILTY CLAY, trace gravel; moist --RDR 2--	30				
		9	6	5	1.39	18			35	6	5	7	18
		10	4	7	2.38	19			40	4	7	9	19

GENERAL NOTES
 Begin Drilling 07-22-2024 Complete Drilling 07-22-2024
 Drilling Contractor Wang Testing Services Drill Rig 20CME55T[81%]
 Driller KS> Logger A. Scifers Checked by M. Snider
 Drilling Method 2.25" ID HSA to 10', mud rotary thereafter; backfilled upon completion

WATER LEVEL DATA
 While Drilling Dry to 10'
 At Completion of Drilling MUD
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual



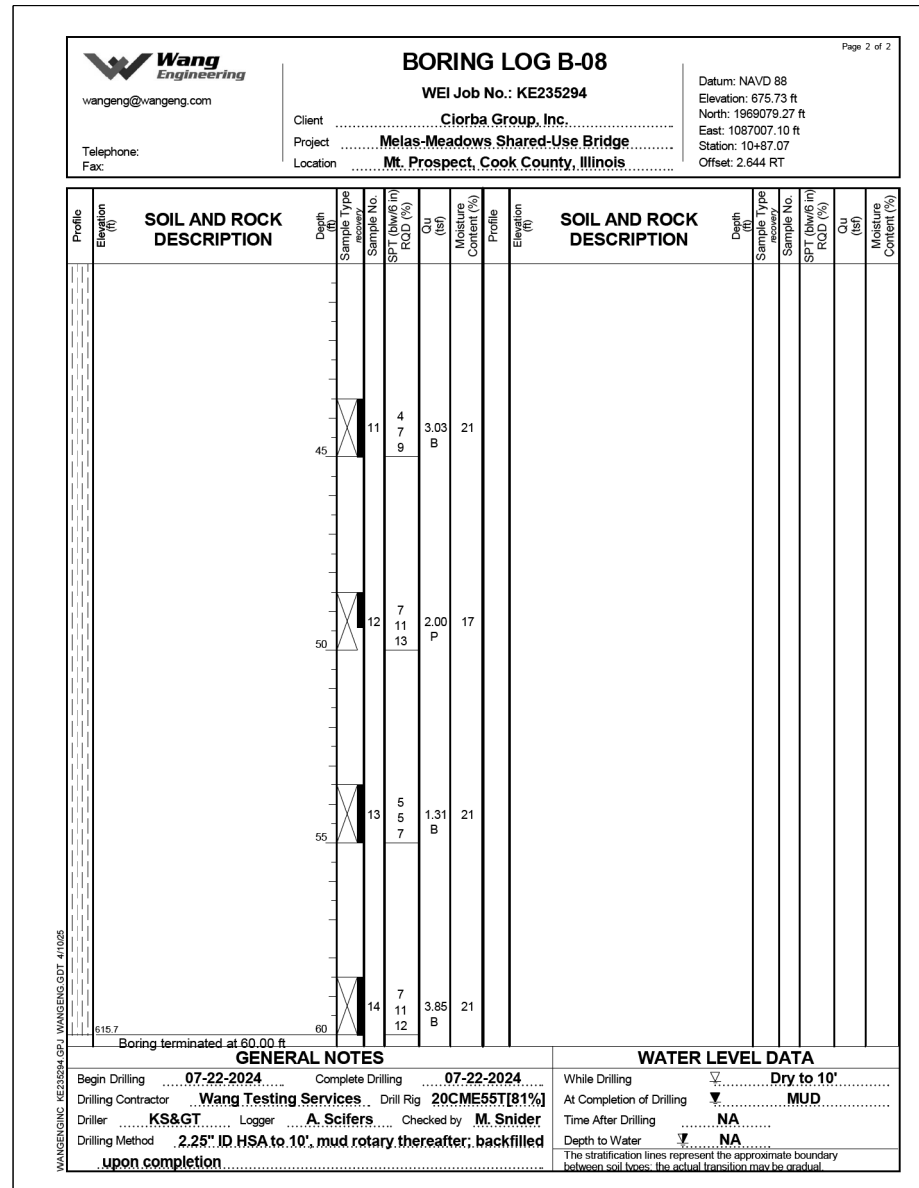
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOG 5
 STRUCTURE NO. 016-7542
 SHEET 5-67 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	138
CONTRACT NO.			61M15	
ILLINOIS FED. AID PROJECT				

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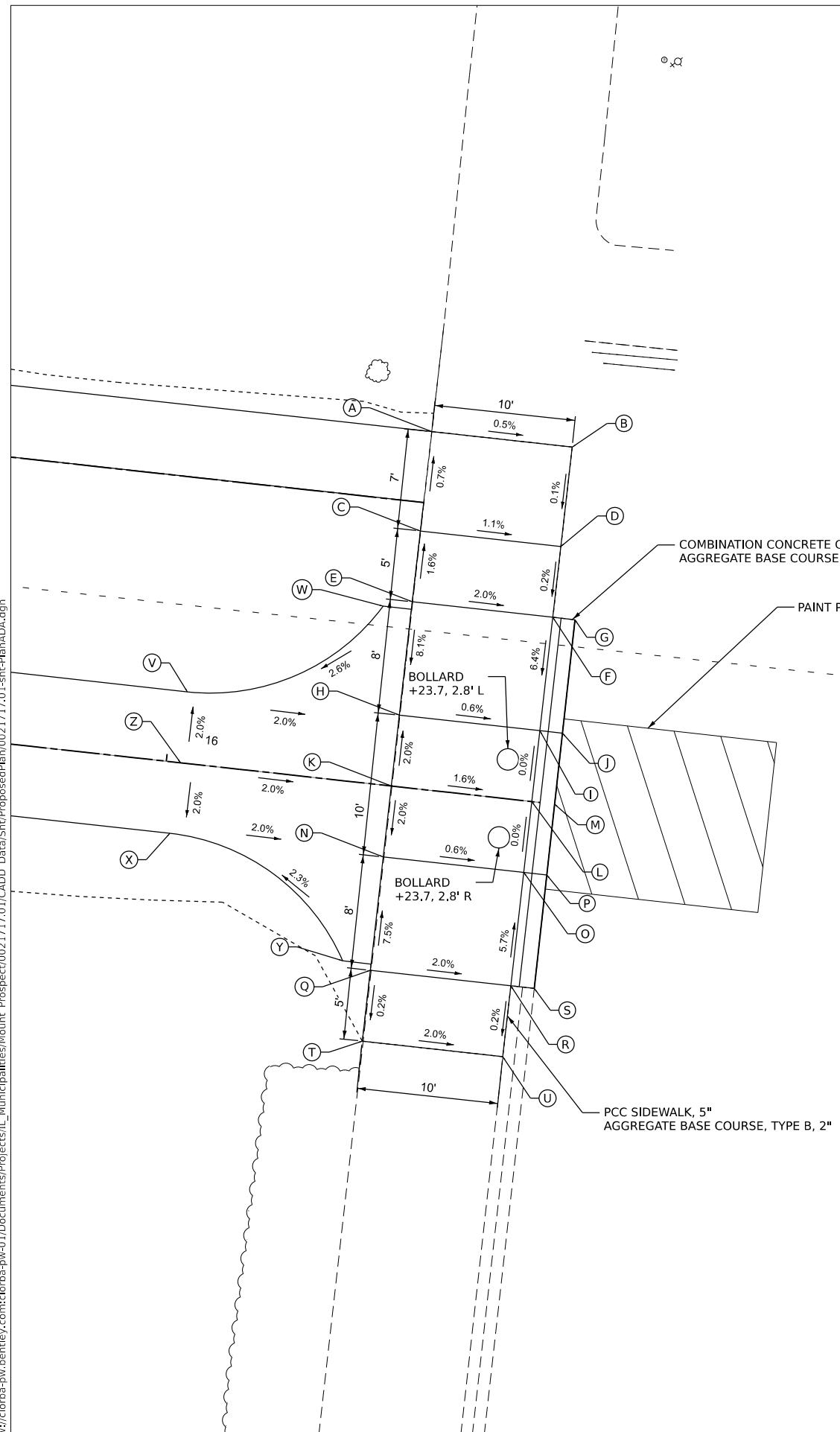
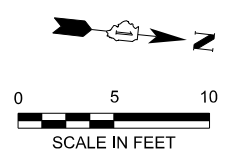
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PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOG 6
STRUCTURE NO. 016-7542

SHEET 5-68 OF 5-68 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	139
CONTRACT NO.			61M15	
ILLINOIS		FED. AID PROJECT		



COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 OVER AGGREGATE BASE COURSE, TYPE B, 2"

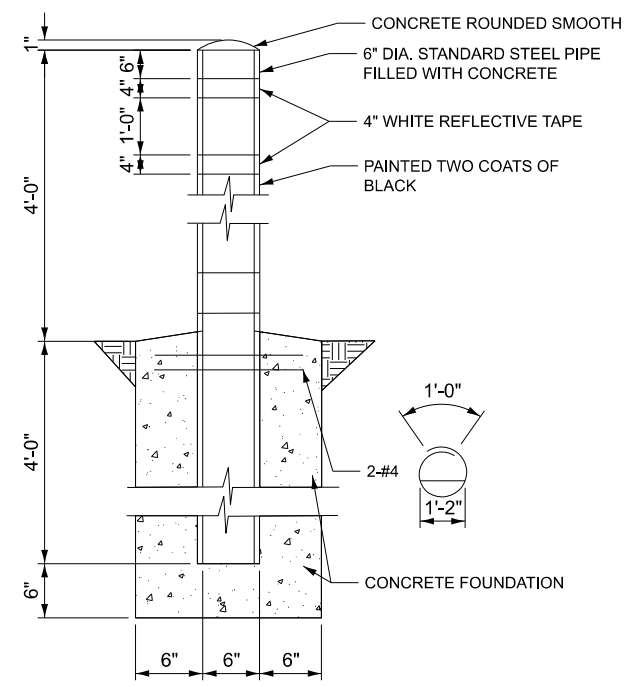
PAINT PAVEMENT MARKING - LINE 4"

BOLLARD
+23.7, 2.8' L

BOLLARD
+23.7, 2.8' R

PCC SIDEWALK, 5"
AGGREGATE BASE COURSE, TYPE B, 2"

MELAS-MEADOWS - PARKING LOT RAMP				
POINT	STATION	OFFSET	SIDE	ELEVATION
A	16+15.96	25.00	LT	678.90
B	16+25.86	25.00	LT	678.85
C	16+15.93	18.00	LT	678.95
D	16+25.84	18.00	LT	678.84
E	16+15.92	13.00	LT	679.03
F	16+25.83	13.00	LT	678.83
G	16+27.39	13.00	LT	678.26
H	16+15.89	5.00	LT	678.38
I	16+25.80	5.00	LT	678.32
J	16+27.39	5.00	LT	678.26
K	16+15.87	0.00	RT	678.48
L	16+25.78	0.00	RT	678.32
M	16+27.39	0.00	RT	678.26
N	16+15.85	5.00	RT	678.38
O	16+25.78	5.00	RT	678.32
P	16+27.39	5.00	RT	678.26
Q	16+15.82	13.00	RT	678.98
R	16+25.73	13.00	RT	678.78
S	16+27.39	13.00	RT	678.25
T	16+15.80	18.00	RT	678.97
U	16+25.72	18.00	RT	678.77
V	16+00.94	5.00	RT	678.68
W	16+13.91	12.48	RT	679.07
X	16+00.80	5.00	LT	678.68
Y	16+13.82	12.56	LT	679.02
Z	16+01.00	0.00	RT	678.78



SECTION

BOLLARD DETAIL

NTS

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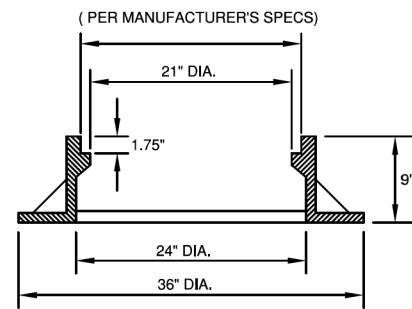
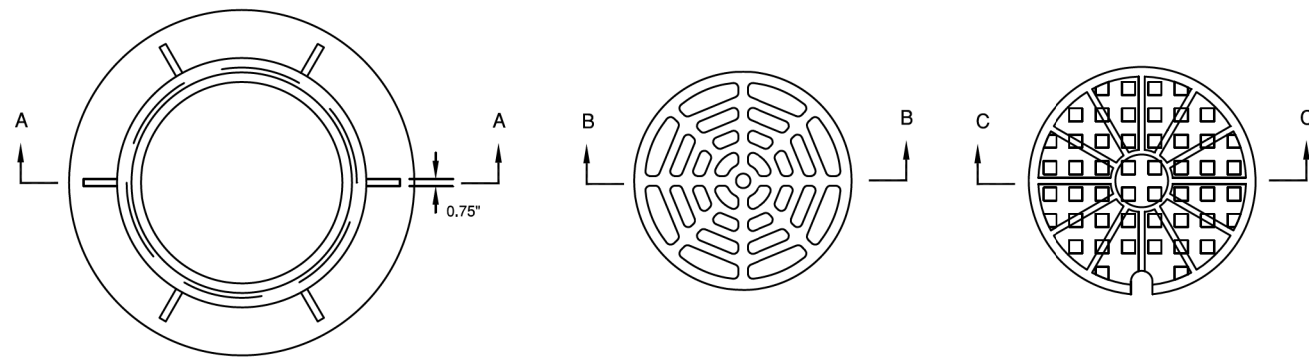
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
ADA AND BOLLARD DETAILS
SCALE: 1"=5'

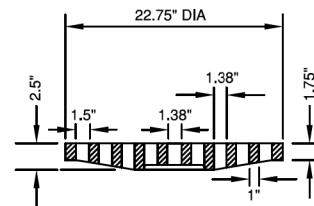
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3512	21-00174-00-BR	COOK	154	140
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

SHEET 1 OF 1 SHEETS STA. 16+00.00 TO STA. 18+95.00

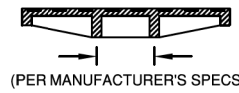
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**SECTION A-A
CAST FRAME**



**SECTION B-B
CAST OPEN LID**



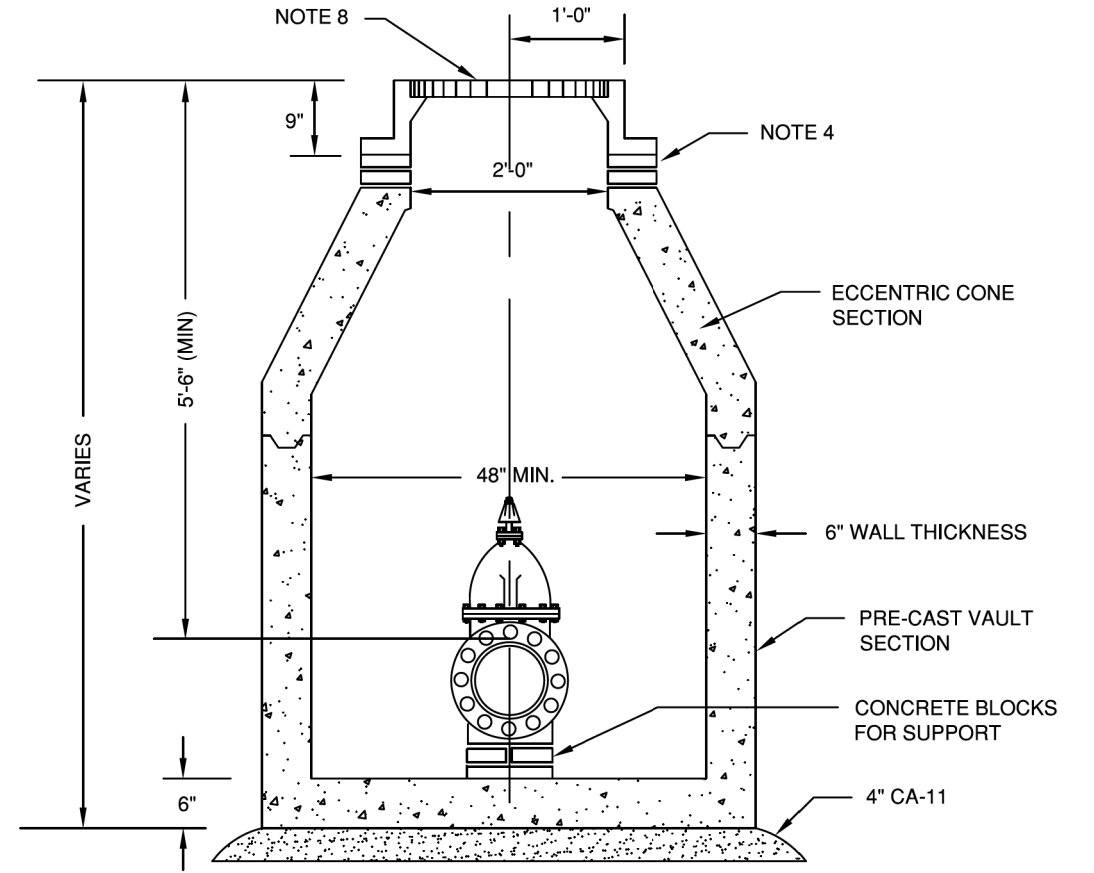
**SECTION C-C
CAST SOLID LID**

NOTES:

- APPROVED MANUFACTURER'S PRODUCT NUMBERS FOR FRAMES AND LIDS:
 - PAVED AREAS (SOLID LID): EAST JORDAN 1050, EXTRA HEAVY DUTY, TYPE A SOLID COVER
 - PAVED AREAS (OPEN LID): EAST JORDAN 1050, EXTRA HEAVY DUTY, TYPE 1020M1 GRATE
 - NON-PAVED AREAS (SOLID LID): EAST JORDAN 1050, MEDIUM DUTY, TYPE A SOLID COVER
 - NON-PAVED AREAS (OPEN LID): EAST JORDAN 1050, MEDIUM DUTY, TYPE 01 BEEHIVE GRATE
- SANITARY FRAMES AND COVERS FOR MANHOLES LOCATED WITHIN FLOODPLAIN AREAS AND HAVING A RIM ELEVATION BELOW THE FLOOD PROTECTION ELEVATION SHALL BE WATER TIGHT, LOCK TYPE COVERS- NEENAH NO. R-1755-B OR APPROVED EQUAL.
- ALL SANITARY LIDS MUST BE GASKET TYPE WITH CONCEALED PICKHOLES.
- SOLID LIDS FOR VILLAGE OWNED STRUCTURES MUST HAVE THE WORDS "VILLAGE OF MOUNT PROSPECT" AND HAVE THE NAME OF THE UTILITY (WATER-SANITARY-STORM) CAST INTO THE LID.
- OPEN LIDS MUST HAVE THE WORDS "DUMP NO WASTE, DRAINS TO WATERWAYS" CAST INTO THE LID.
- ~~OTHER MANUFACTURER'S PRODUCTS OF EQUAL SPECIFICATION MAY BE SUBSTITUTED AT THE APPROVAL OF THE VILLAGE ENGINEER.~~

Village of Mount Prospect
 Public Works Department
 1700 W. Central Rd.
FRAMES AND LIDS
 Last Revised: 8-09

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8" WATERMAIN & SMALLER

NOTES:

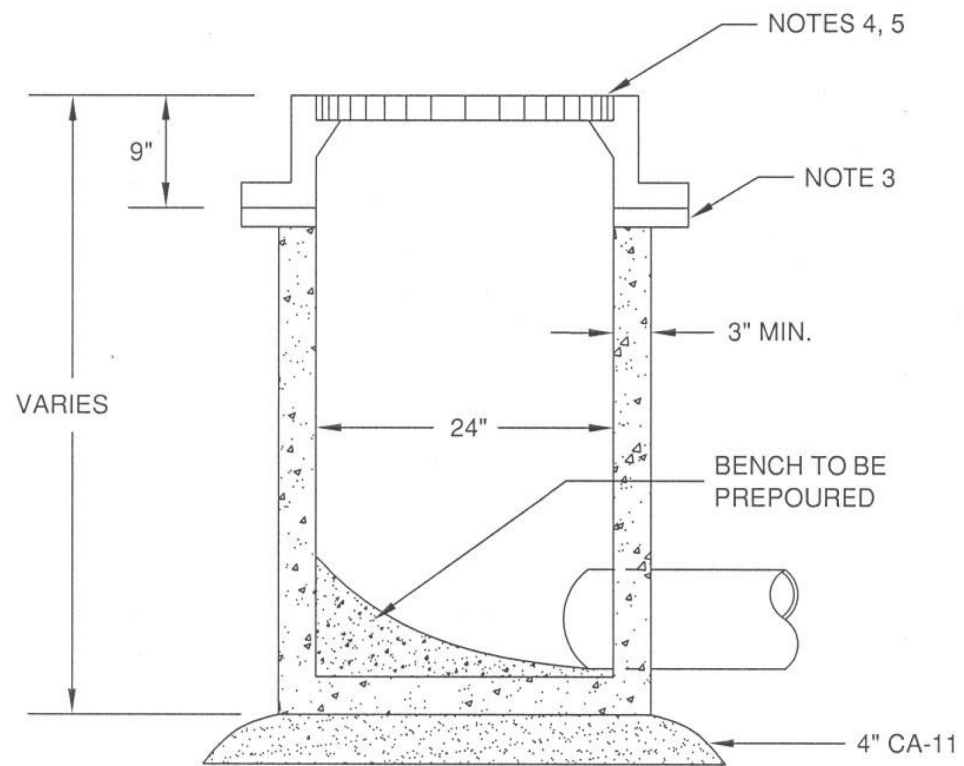
- VALVES 8" AND SMALLER SHALL BE MUELLER RESILIENT WEDGE VALVES, #A-2360-20, NONRISING STEM GATE VALVES CONFORMING TO AWWA C-500. VALVES SHALL OPEN COUNTERCLOCKWISE.
- PRECAST SECTIONS SHALL BE JOINED WITH TONGUE AND GROOVE JOINTS SEALED WITH MASTIC TYPE BITUMINOUS JOINTING COMPOUND.
- PRECAST CONCRETE BARREL SECTION ASTM C-478 AND ASTM C-443.
- PRECAST CONCRETE RING CONSTRUCTION ASTM C-478-64T ADJUSTMENT TO 12" MAXIMUM, USING THE MINIMUM NEEDED TO ACHIEVE THE DESIRED ELEVATION - 3 RINGS MAXIMUM. RUBBER NOISE RINGS SHALL BE USED IN ALL TRAFFIC AREAS.
- PIPE OPENINGS TO BE CAST INTO WALL.
- ALL VAULTS ARE TO HAVE CONES INSTALLED SO THAT CENTER OF COVER IS DIRECTLY ABOVE VALVE OPERATOR.
- 1" MUELLER H-15000 CORPORATION STOP MUST BE TAPPED DIRECTLY INTO MAIN AT EACH VALVE VAULT(TWO TAPS MAY BE REQUIRED AT THE DIRECTION OF THE VILLAGE).
- APPROVED MANUFACTURER'S PRODUCT NUMBERS FOR FRAMES AND LIDS:
 - PAVED AREAS: EAST JORDAN 1050, EXTRA HEAVY DUTY, TYPE A SOLID COVER
 - NON-PAVED AREAS: EAST JORDAN 1050, MEDIUM DUTY, TYPE A SOLID COVER

Village of Mount Prospect
 Public Works Department
 1700 W. Central Rd.
GATE VALVE DETAIL
 Last Revised: 8-09

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USER NAME =	DESIGNED - JG	REVISED -
	CHECKED - JG	REVISED -
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PLOT DATE =	CHECKED -	REVISED -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	141
CONTRACT NO.61M15				
ILLINOIS FED. AID PROJECT				

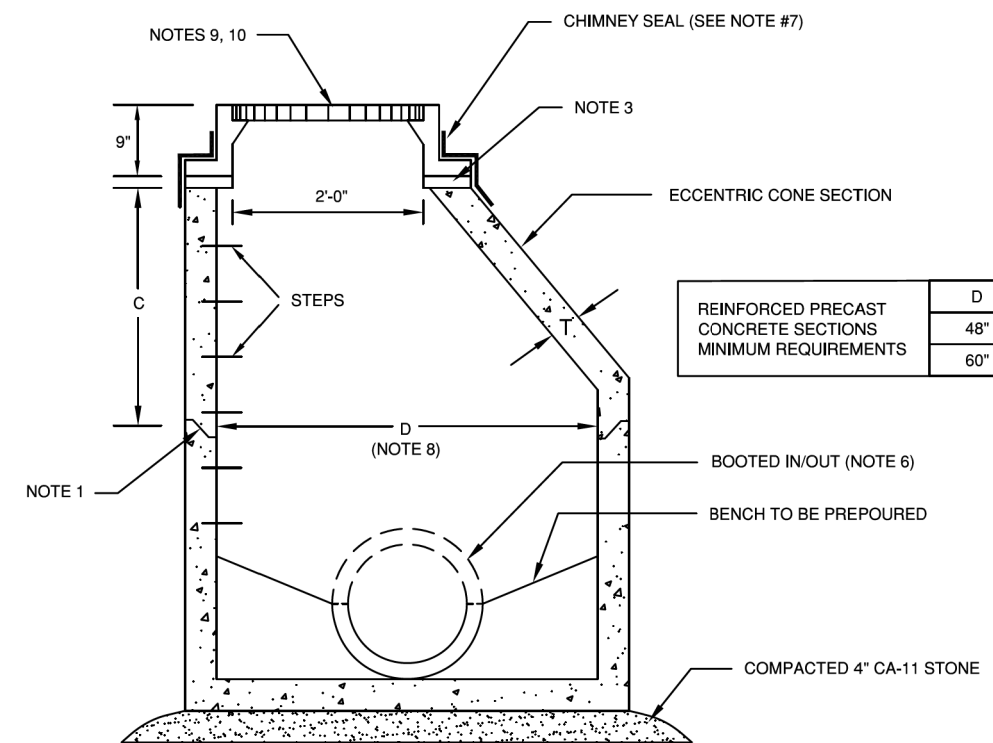


NOTES:

1. PRECAST SECTIONS TO BE JOINED WITH TONGUE AND GROOVE JOINTS SEALED WITH MASTIC TYPE BITUMINOUS JOINTING COMPOUND.
2. PRECAST CONCRETE BARREL SECTION ASTM C-478 AND ASTM C-443.
3. PRECAST CONCRETE RING CONSTRUCTION ASTM C-478-64T ADJUSTMENT TO 12" MAXIMUM, USING THE MINIMUM NEEDED TO ACHIEVE THE DESIRED ELEVATION - 3 RINGS MAXIMUM. RUBBER NOISE RINGS SHALL BE USED IN ALL TRAFFIC AREAS.
4. APPROVED MANUFACTURER'S PRODUCT NUMBERS FOR FRAMES AND LIDS:
 - PAVED AREAS: EAST JORDAN 1050, EXTRA HEAVY DUTY, TYPE 1020M1 GRATE
 - NON-PAVED AREAS: EAST JORDAN 1050, MEDIUM DUTY TYPE 01 BEEHIVE GRATE
5. OPEN LIDS MUST HAVE THE WORDS "DUMP NO WASTE, DRAINS TO WATERWAYS" CAST INTO THE LID.
6. A FACTORY INSTALLED "RUBBER BOOT SEAL" SHALL BE PRECAST INTO ALL PIPE OPENINGS WHEN CATCH BASINS ARE TIED INTO COMBINED SEWER SYSTEM. (RESILIENT WATERTIGHT CONNECTION PER ASTM C-923)

Village of Mount Prospect	
Public Works Department 1700 W Central Rd	
INLET DETAIL	
Scale: None	Last Revised: 12-11

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REINFORCED PRECAST CONCRETE SECTIONS MINIMUM REQUIREMENTS	D	C	T
	48"	30"	4"
	60"	45"	5"

NOTES:

1. PRECAST SECTIONS SHALL BE JOINED WITH TONGUE AND GROOVE JOINTS SEALED WITH TWO (2) STRIPS BUTYL RUBBER.
2. PRECAST CONCRETE BARREL SECTION ASTM C-478 AND ASTM C-443.
3. PRECAST CONCRETE RING CONSTRUCTION ASTM C-478-64T ADJUSTMENT TO 12" MAXIMUM, USING THE MINIMUM NEEDED TO ACHIEVE THE DESIRED ELEVATION - 3 RINGS MAXIMUM. RUBBER NOISE RINGS SHALL BE USED IN ALL TRAFFIC AREAS.
4. STEPS SHALL BE EMBEDDED INTO WALL A MINIMUM OF 3 INCHES AND SHALL BE STEEL REINFORCED POLYURETHANE STEPS (12" WIDE) AND 12" BETWEEN EACH STEP.
5. FOR OPTIONAL PRECAST CONCRETE FLAT SLAB TOP REFER TO IDOT STANDARD 602601.
6. A FACTORY INSTALLED "RUBBER BOOT SEAL" SHALL BE PRECAST INTO MANHOLES AT ALL PIPE OPENINGS (SANITARY ONLY) - ASTM C923
7. FOR ALL RENOVATED/NEW MANHOLES, USE EITHER THE CRETEX INTERNAL/EXTERNAL CHIMNEY SEAL OR THE ADAPTOR INC. EXTERNAL CHIMNEY SEAL.
8. MINIMUM DIAMETER (D) SHALL BE AS FOLLOWS:
 48" FOR 8" - 18" PIPE
 60" FOR 21" - 36" PIPE
 72" FOR 39" - 60" PIPE
9. APPROVED MANUFACTURER'S PRODUCT NUMBERS:
 - PAVED AREAS (SOLID LID): EAST JORDAN 1050, EXTRA HEAVY DUTY, TYPE A SOLID COVER
 - NON-PAVED AREAS (SOLID LID): EAST JORDAN 1050, MEDIUM DUTY, TYPE A SOLID COVER
10. ADDITIONAL DETAILS FOR SANITARY FRAMES AND LIDS:
 - FRAMES AND COVERS FOR MANHOLES LOCATED WITHIN FLOODPLAIN AREAS AND HAVING A RIM ELEVATION BELOW THE FLOOD PROTECTION ELEVATION SHALL BE WATER TIGHT, LOCK TYPE COVERS- NEENAH NO. R-1755-B OR APPROVED EQUAL
 - ALL SANITARY LIDS MUST BE GASKET TYPE WITH CONCEALED PICKHOLES.
 - SOLID LIDS FOR VILLAGE OWNED STRUCTURES MUST HAVE THE WORDS "VILLAGE OF MOUNT PROSPECT" AND HAVE THE NAME OF THE UTILITY (SANITARY) CAST INTO THE LID.

Village of Mount Prospect	
Public Works Department 1700 W. Central Rd.	
SANITARY MANHOLE DETAIL	
Last Revised: 8-09	

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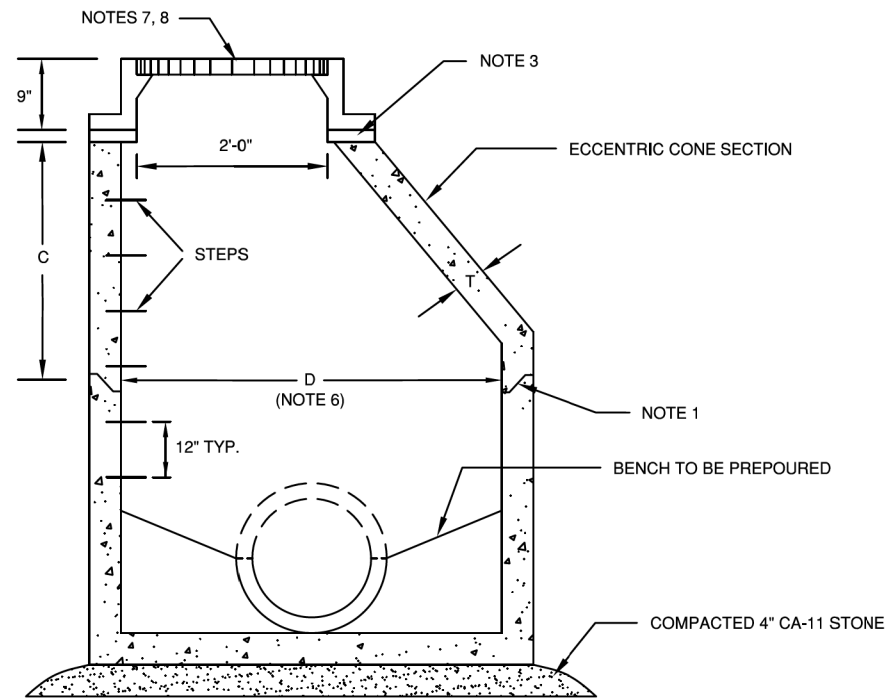


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	CHECKED - JG	REVISED -
PLOT SCALE =	DRAWN - PDB	REVISED -
PLOT DATE =	CHECKED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR VILLAGE OF MT. PROSPECT CONSTRUCTION DETAILS			
SCALE:	SHEET 2	OF 4 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	142
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				



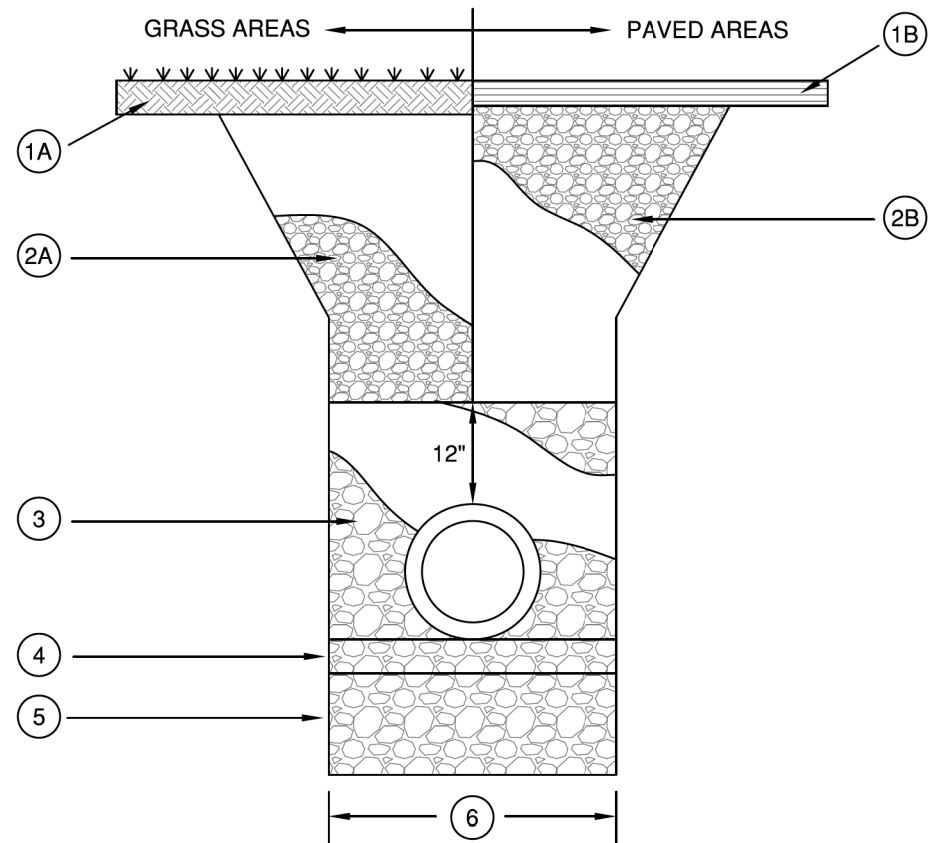
REINFORCED PRECAST CONCRETE SECTIONS MINIMUM REQUIREMENTS	D	C	T
	48"	30"	4"
	60"	45"	5"

NOTES:

- PRECAST SECTIONS SHALL BE JOINED WITH TONGUE AND GROOVE JOINTS SEALED WITH TWO (2) STRIPS BUTYL RUBBER.
- PRECAST CONCRETE BARREL SECTION ASTM C-478 AND ASTM C-443.
- PRECAST CONCRETE RING CONSTRUCTION ASTM C-478-64T ADJUSTMENT TO 12" MAXIMUM, USING THE MINIMUM NEEDED TO ACHIEVE THE DESIRED ELEVATION - 3 RINGS MAXIMUM. RUBBER NOISE RINGS SHALL BE USED IN ALL TRAFFIC AREAS.
- STEPS SHALL BE EMBEDDED INTO WALL A MINIMUM OF 3 INCHES AND SHALL BE STEEL REINFORCED POLYURETHANE STEPS (12" WIDE).
- FOR OPTIONAL PRECAST CONCRETE FLAT SLAB TOP REFER TO IDOT STANDARD 602601.
- MINIMUM DIAMETER (D) SHALL BE AS FOLLOWS:
 48" FOR 8" - 18" PIPE
 60" FOR 21" - 36" PIPE
 72" FOR 39" - 60" PIPE
- APPROVED MANUFACTURER'S PRODUCT NUMBERS:
 - PAVED AREAS (SOLID LID): EAST JORDAN 1050, EXTRA HEAVY DUTY, TYPE A SOLID COVER
 - PAVED AREAS (OPEN LID): EAST JORDAN 1050, EXTRA HEAVY DUTY, TYPE 1020M1 GRATE
 - NON-PAVED AREAS (SOLID LID): EAST JORDAN 1050, MEDIUM DUTY, TYPE A SOLID COVER
 - NON-PAVED AREAS (OPEN LID): EAST JORDAN 1050, MEDIUM DUTY, TYPE 01 BEEHIVE GRATE
- ADDITIONAL DETAILS FOR STORM FRAMES AND LIDS:
 - SOLID LIDS FOR VILLAGE OWNED STRUCTURES MUST HAVE THE WORDS "VILLAGE OF MOUNT PROSPECT" AND HAVE THE NAME OF THE UTILITY (STORM) CAST INTO THE LID.
 - OPEN LIDS MUST HAVE THE WORDS "DUMP NO WASTE, DRAINS TO WATERWAYS" CAST INTO THE LID.
 - OTHER MANUFACTURER'S PRODUCTS OF EQUAL SPECIFICATION MAY BE SUBSTITUTED AT THE APPROVAL OF THE VILLAGE ENGINEER.

Village of Mount Prospect
 Public Works Department
 1700 W. Central Rd.
STORM MANHOLE DETAIL
 Last Revised: 8-09

H:\Engineering\Reference\Details\VillageStandards\STORM MANHOLE DETAIL.dwg



NOTES:

- 1A GRASS AREAS IN R.O.W. MUST BE RESTORED WITH 4" OF TOP SOIL AND SOD
- 1B SEE PAVEMENT RESTORATION DETAIL FOR PATCHING REQUIREMENTS
- 2A UNDER GRASS AREAS BACKFILL WITH EXCAVATED MATERIAL PLACED AND COMPACTED IN 12" LIFTS
- 2B UNDER, AND WITHIN 2' OF PAVEMENT, CURB & GUTTER, AND SIDEWALK, BACKFILL WITH CA-6 MATERIAL IN 9" LIFTS COMPACTED TO 95% MAX. DENSITY
- 3 CA-11 STONE BACKFILL PLACED AND COMPACTED IN 6" LIFTS
- 4 CA-11 STONE BEDDING. MINIMUM THICKNESS = 1/4 OF THE OUTSIDE DIAMETER OF THE PIPE, BUT NO LESS THAN 4"
- 5 UNSUITABLE MATERIAL TO BE REMOVED AT THE DIRECTION OF VILLAGE ENGINEER, AND REPLACED WITH COMPACTED CA-11 STONE
- 6 THE TRENCH WIDTH SHALL BE AT LEAST 18" WIDER THAN THE OUTSIDE DIAMETER OF THE PIPE

Village of Mount Prospect
 Public Works Department
 1700 W. Central Rd.
TRENCH SECTION DETAIL
 Last Revised: 8-09

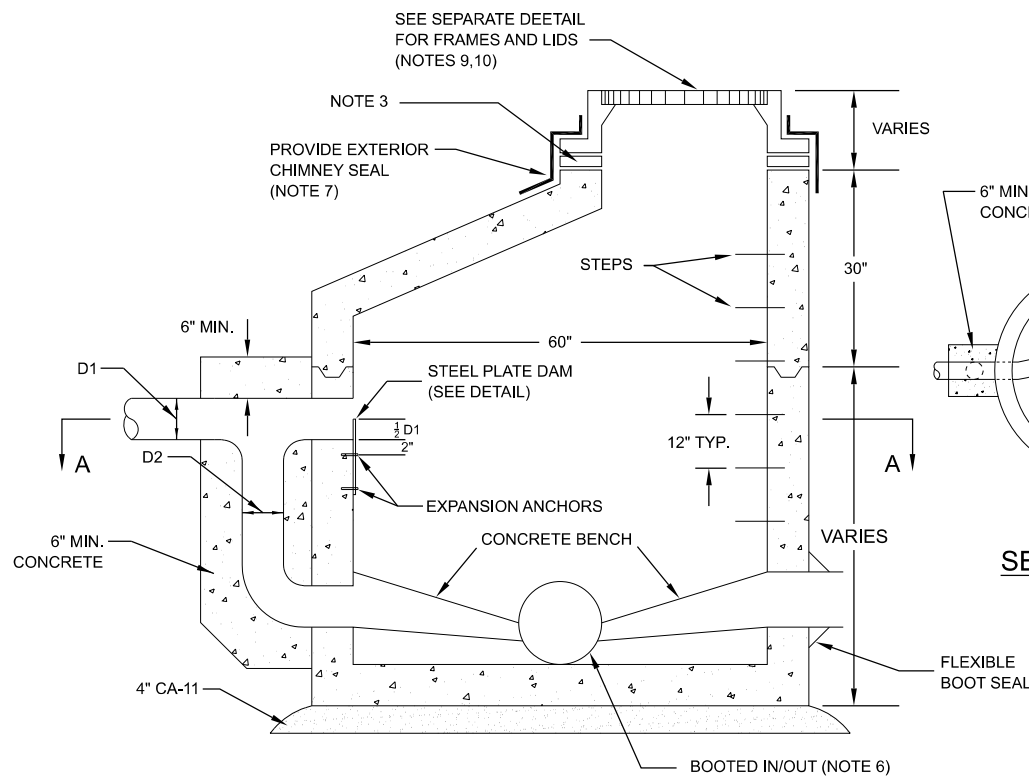
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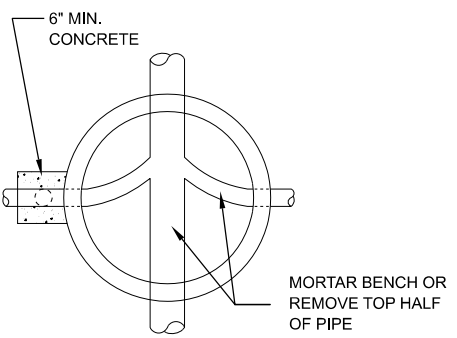
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	143
CONTRACT NO. 61M15				
		ILLINOIS	FED. AID PROJECT	

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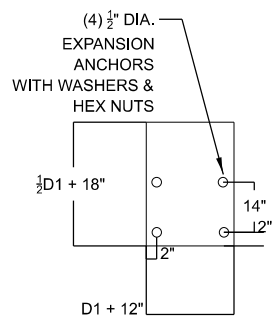


SANITARY - COMBINED DROP MANHOLE
 NOT TO SCALE

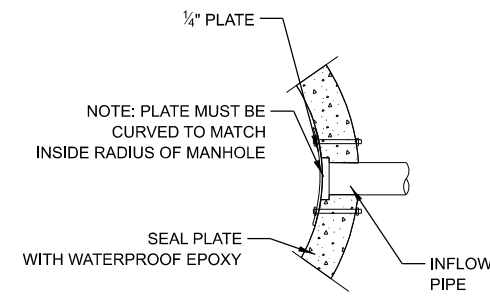


SECTION A-A

DIAMETER (INCHES)	
D1	D2
6	8
8	8
10	8
12	8
15	10
18	12
21	15
24	18



STEEL PLATE DAM
 NOT TO SCALE



- NOTES:**
1. PLATE AND FASTENERS MUST BE FABRICATED IN STAINLESS STEEL, DUCTILE IRON, OR EQUIVALENT WATERPROOF/WEATHER PROOF MATERIALS.
 2. BOLTS TACK WELDED TO PLATE.
 3. ANCHOR EMBEDMENT: 3" MIN.

NOTES:

1. PRECAST SECTIONS SHALL BE JOINED WITH TONGUE AND GROOVE JOINTS SEALED WITH TWO (2) STRIPS BUTYL RUBBER.
2. PRECAST CONCRETE BARREL SECTION ASTM C-478 AND ASTM C-443.
3. PRECAST CONCRETE RING CONSTRUCTION ASTM C-478-64T ADJUSTMENT TO 12" MAXIMUM, USING THE MINIMUM NEEDED TO ACHIEVE THE DESIRED ELEVATION - 3 RINGS MAXIMUM. RUBBER NOISE RINGS SHALL BE USED IN ALL TRAFFIC AREAS.
4. STEPS SHALL BE EMBEDDED INTO WALL A MINIMUM OF 3 INCHES AND SHALL BE STEEL REINFORCED POLYURETHANE STEPS (12" WIDE) AND 12" BETWEEN EACH STEP.
5. FOR OPTIONAL PRECAST CONCRETE FLAT SLAB TOP REFER TO IDOT STANDARD 602601.
6. A FACTORY INSTALLED "RUBBER BOOT SEAL" SHALL BE PRECAST INTO MANHOLES AT ALL PIPE OPENINGS (SANITARY ONLY) - ASTM C923
7. FOR ALL RENOVATED/NEW MANHOLES, USE EITHER THE CRETEX INTERNAL/EXTERNAL CHIMNEY SEAL OR THE ADAPTOR INC. EXTERNAL CHIMNEY SEAL.
8. MINIMUM DIAMETER (D) SHALL BE AS FOLLOWS:
 48" FOR 8" - 18" PIPE
 60" FOR 21" - 36" PIPE
 72" FOR 39" - 60" PIPE
9. APPROVED MANUFACTURER'S PRODUCT NUMBERS:
 - PAVED AREAS (SOLID LID): EAST JORDAN 1050, EXTRA HEAVY DUTY, TYPE A SOLID COVER
 - NON-PAVED AREAS (SOLID LID): EAST JORDAN 1050, MEDIUM DUTY, TYPE A SOLID COVER
10. ADDITIONAL DETAILS FOR SANITARY FRAMES AND LIDS:
 - FRAMES AND COVERS FOR MANHOLES LOCATED WITHIN FLOODPLAIN AREAS AND HAVING A RIM ELEVATION BELOW THE FLOOD PROTECTION ELEVATION SHALL BE WATER TIGHT, LOCK TYPE COVERS- NEENAH NO. R-1755-B OR APPROVED EQUAL.
 - ALL SANITARY LIDS MUST BE GASKET TYPE WITH CONCEALED PICKHOLES.
 - SOLID LIDS FOR VILLAGE OWNED STRUCTURES MUST HAVE THE WORDS "VILLAGE OF MOUNT PROSPECT" AND HAVE THE NAME OF THE UTILITY (SANITARY) CAST INTO THE LID.



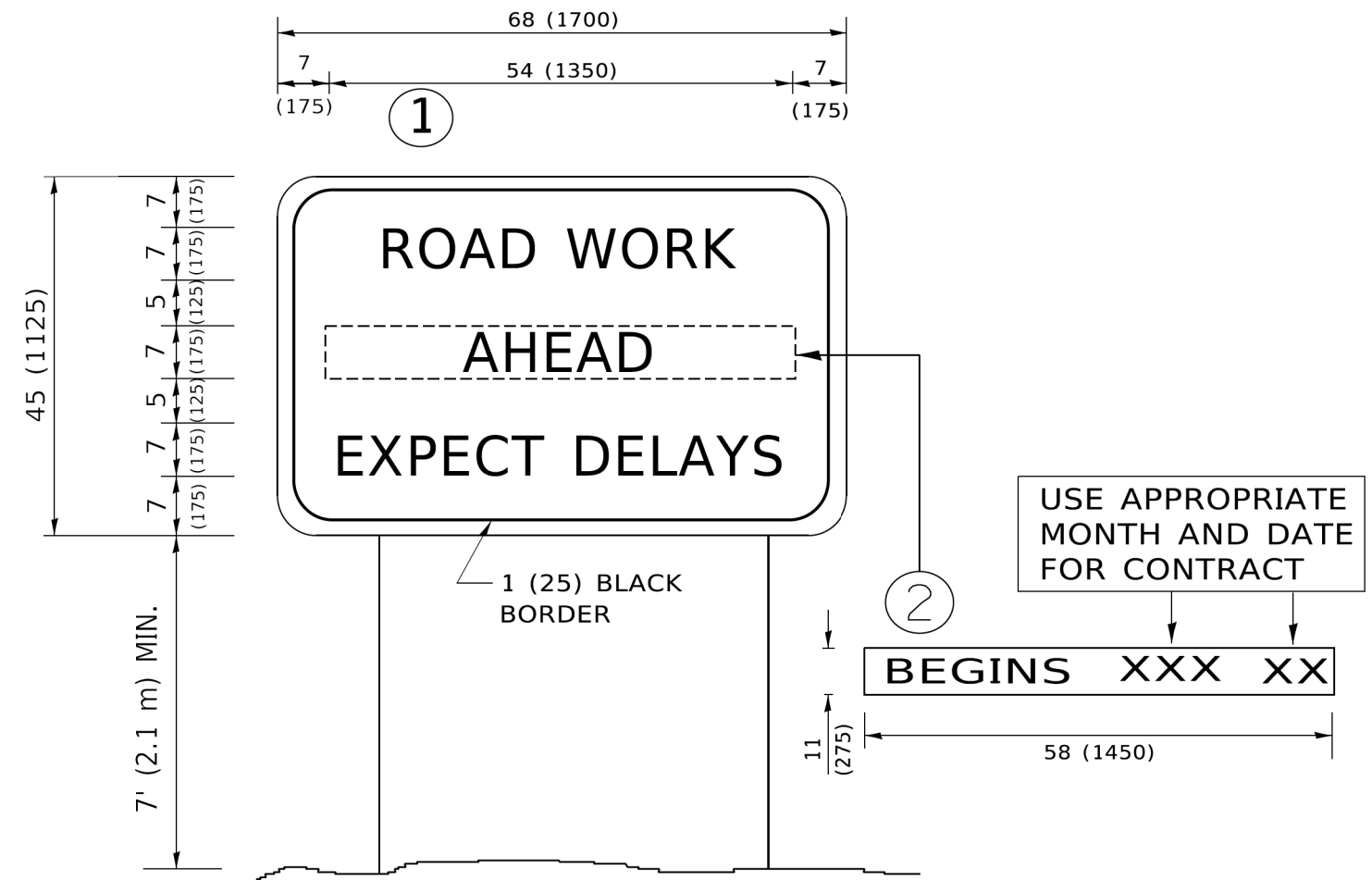
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
 VILLAGE OF MT. PROSPECT CONSTRUCTION DETAILS**

SCALE:	SHEET 4	OF 4	SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	144
CONTRACT NO.61M15				
ILLINOIS FED. AID PROJECT				



NOTES:

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

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

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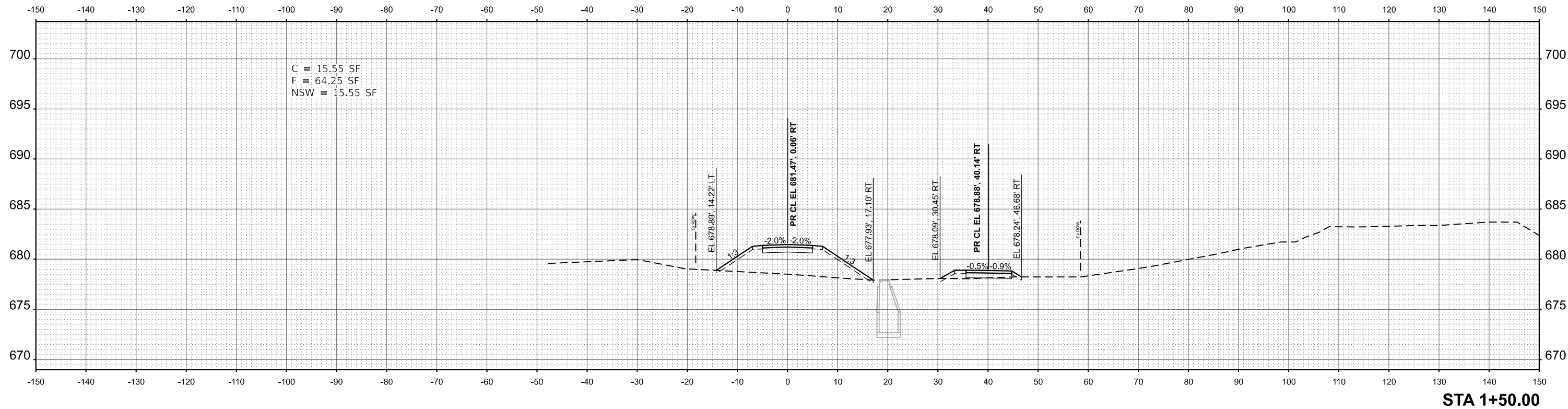
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

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

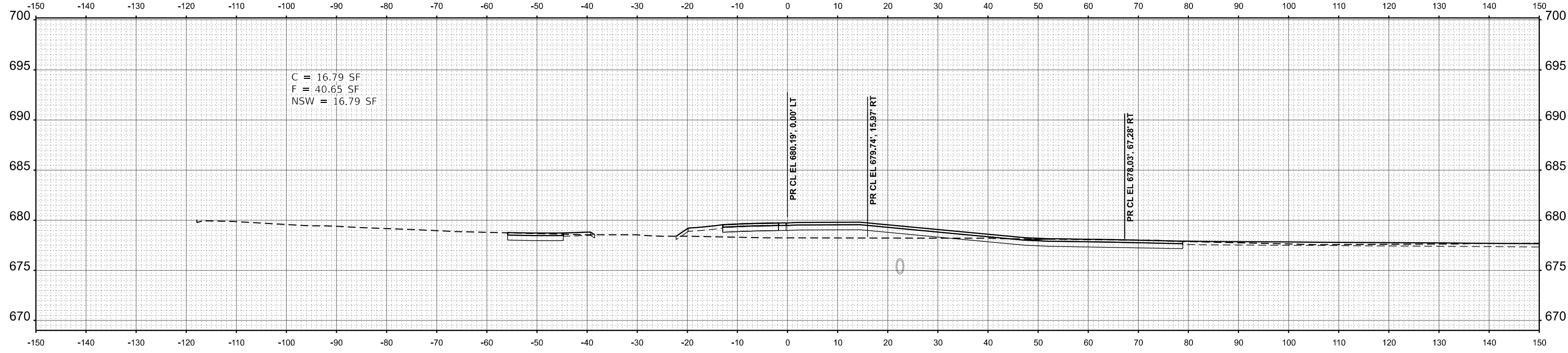
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3512	21-00174-00-BR	COOK	154	145
TC-22			CONTRACT NO. 61M15	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED
	AREAS
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STA 1+50.00

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS
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	AREAS
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STA 1+08.42

NOTE: PLEASE REFERENCE THE PROPOSED SHARED-USE PATH PLAN FOR TIE-IN GRADING.

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

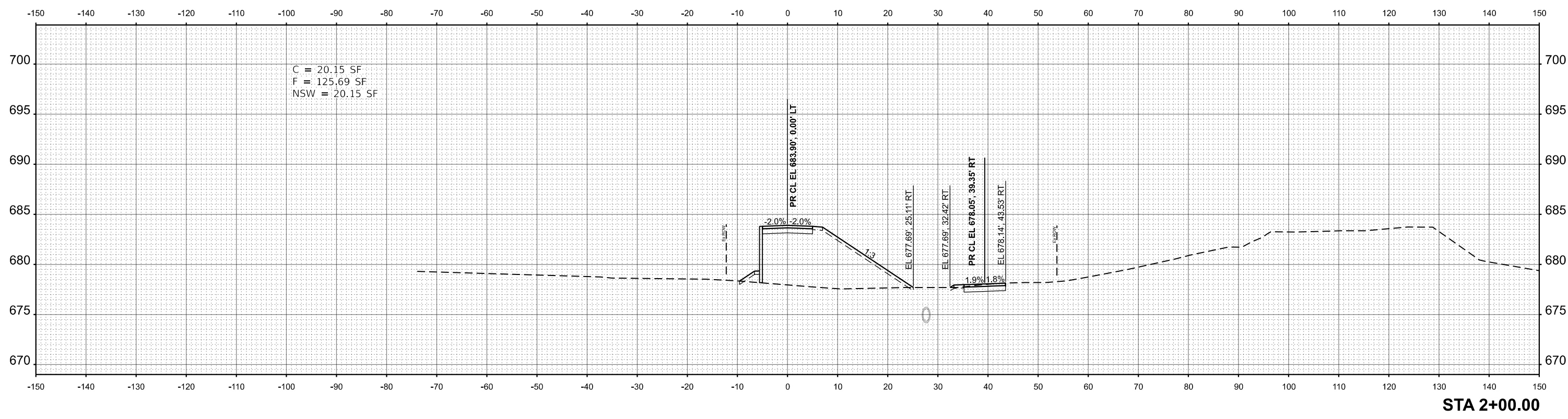
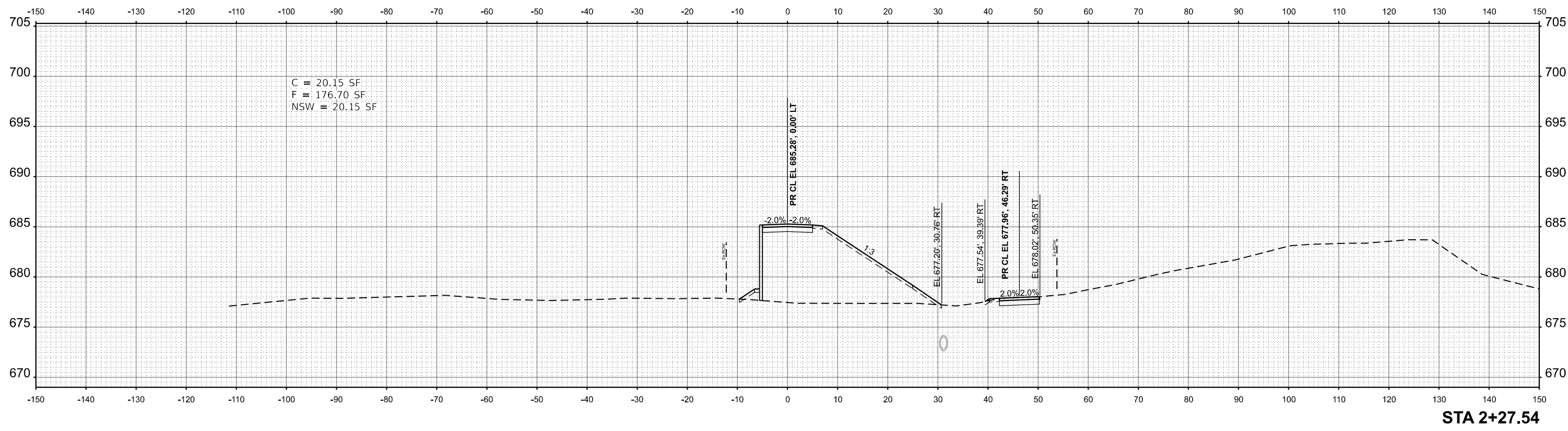
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 CROSS SECTIONS
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	146
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

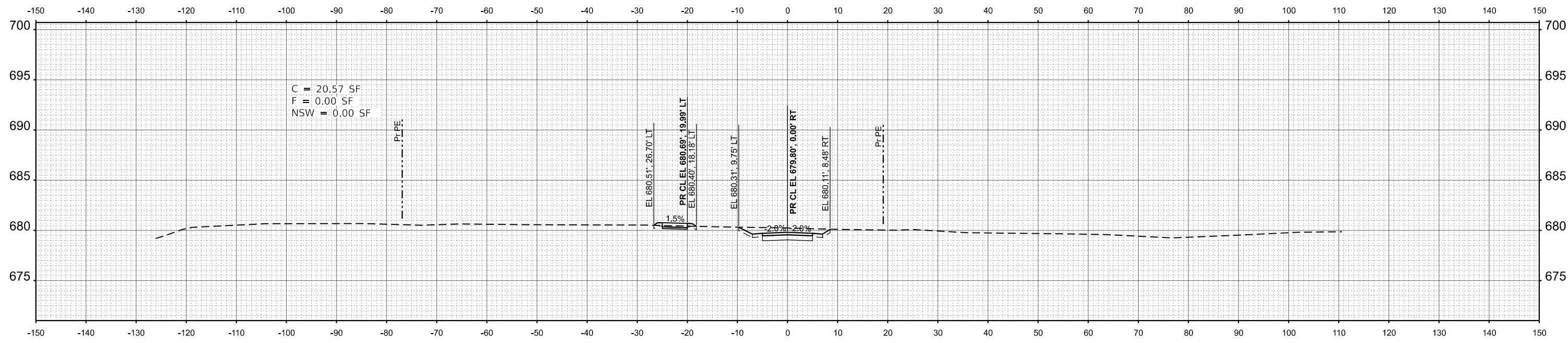
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 CROSS SECTIONS
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	147
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				

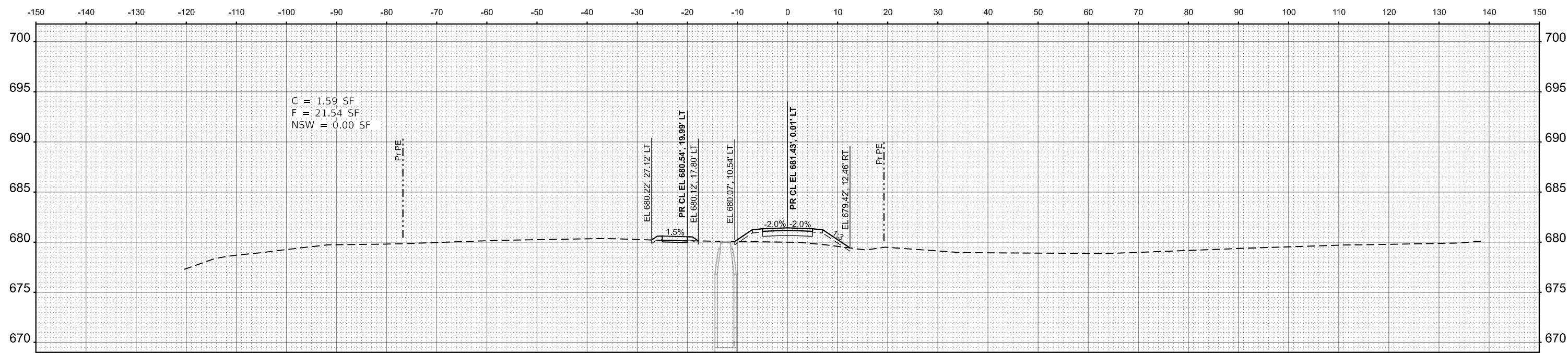
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STA 15+50.00



STA 15+00.00



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
CROSS SECTIONS
SCALE: 1"=10' SHEET OF SHEETS STA. 15+00.00 TO STA. 15+50.00

F.A. RTE. 3512	SECTION 21-00174-00-BR	COUNTY COOK	TOTAL SHEETS 154	SHEET NO. 149
CONTRACT NO. 61M15				ILLINOIS FED. AID PROJECT

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A. REFERENCED SPECIFICATIONS

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
 * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
 * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
 * VILLAGE OF MOUNT PROSPECT MUNICIPAL CODE;
 * THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
 * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

- THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055 OR SEND EMAIL NOTIFICATION WITH PROJECT NAME, LOCATION AND PERMIT NUMBER TO WMOJOBSTART@MWRD.ORG).
- THE VILLAGE OF MOUNT PROSPECT ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES

- ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88). CONVERSION FACTOR IS NAVD88 = CCD + 579.6 FT.
- MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
- THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
- THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
- THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
- ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
- THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
- ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
- RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWER

- THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
- A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
- DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
- ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
- ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
- ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
- ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE 6-INCH TO 15-INCH DIAMETER SDR 26 18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM D-3034 ASTM F-679	ASTM D-3212 ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)	ASTM D-3350 ASTM D-3035	ASTM D-3261,F-2620 (HEAT FUSION) ASTM D-3212,F-477 (GASKETED)
WATER MAIN QUALITY PVC 4-INCH TO 36-INCH 4-INCH TO 12-INCH 14-INCH TO 48-INCH	ASTM D-2241 AWWA C900 AWWA C905	ASTM D-3139 ASTM D-3139 ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D3212, F-477
8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE ¼ " TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO ¼ THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.		
9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.		
10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.		
11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED: a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SHEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE. b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION. c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.		
12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMANS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.		
13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.		
14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.		
15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.		
16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.		
17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.		
18. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.		

E. EROSION AND SEDIMENT CONTROL

- THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
- ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
 b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
- MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
- TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
- DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
- ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
- VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
- EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
- STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
- THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMANS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
- ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
- THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

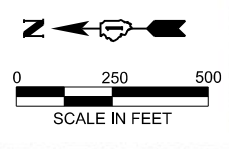


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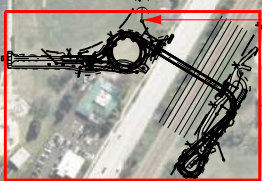
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR			
MWRD NOTES			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	151
CONTRACT NO.61M15				
ILLINOIS FED. AID PROJECT				



MODEL: \$MODELNAMES
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PROPOSED SANITARY CONNECTION TO EXISTING 24" COMBINED SEWER
PROJECT LOCATION

NOTE: COMBINED SEWER IS OWNED BY THE VILLAGE OF MOUNT PROSPECT

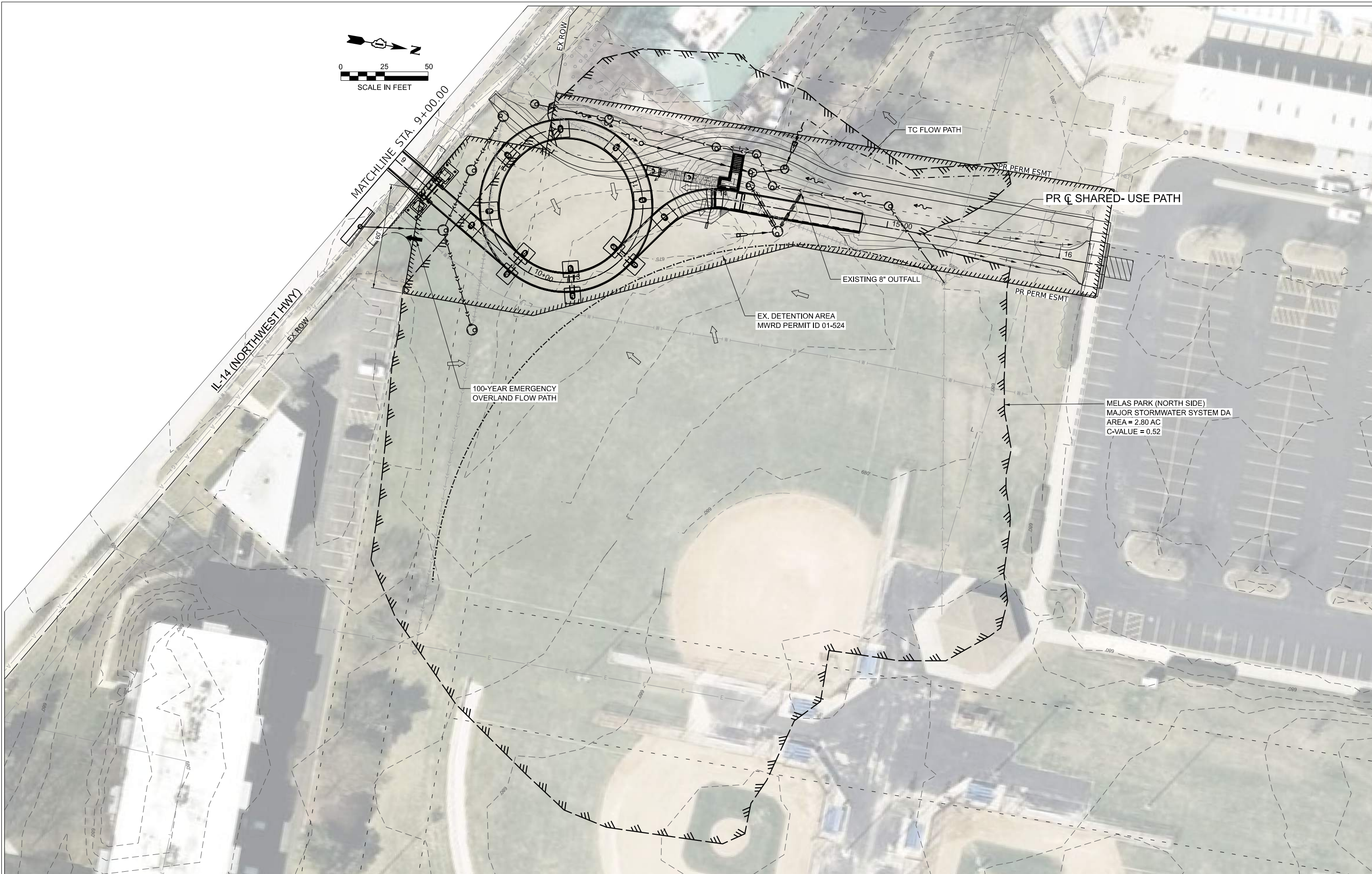
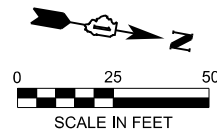


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR			
SANITARY SEWER ROUTING MAP			
SCALE: 1"=500'	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	152
CONTRACT NO.61M15				
ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MELAS-MEADOWS PED BRIDGE OVER NORTHWEST HWY (US 14) & UPRR
 PROPOSED HYDROLOGY EXHIBIT**

SCALE: 1"=25' SHEET 2 OF 2 SHEETS STA. 9+00.00 TO STA. 16+15.87

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3512	21-00174-00-BR	COOK	154	154
CONTRACT NO. 61M15				
ILLINOIS FED. AID PROJECT				