

**INDEX OF SHEETS**

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**GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012. (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2016; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS; THE DETAILS ON THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS CONTRACT. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL NOTE ANY CHANGES FROM THESE ENGINEERING PLANS AND SHALL NOTIFY THE RESIDENT ENGINEER IMMEDIATELY OF ANY EXISTING CONDITIONS THAT DEVIATE FROM THE INTENT OF THE ENGINEERING PLANS SUCH AS CHANGES IN DRAINAGE, GEOMETRICS, OR GRADING.
- THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. DEBRIS AND ANY SURPLUS MATERIAL SHALL BE REMOVED FROM THE SITE AND RESTORATION SHALL BE INITIATED AS THE WORK PROGRESSES.
- PRIOR TO BEGINNING ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT "JULIE" AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF ALL BURIED UTILITIES.
- ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, FIRE DEPARTMENTS AND THE CITY OF NAPERVILLE ENGINEERING AND PUBLIC WORKS DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- EXISTING UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM THE LOCAL AGENCIES, OWNERS, FIELD SURVEYS, AND UTILITY COMPANIES. THE ACCURACY AND COMPLETENESS OF SAID INFORMATION IS NOT GUARANTEED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF EXISTING UTILITIES WITHIN THE PROJECT IMPROVEMENT LIMITS.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS AND PROTECTIVE MEASURES NECESSARY TO MAINTAIN AND PROTECT EXISTING UTILITIES THAT ARE TO BE KEPT IN OPERATION DURING CONSTRUCTION.
- THE CONTRACTOR SHALL KEEP EXISTING ADJACENT STREETS CLEAN AND FREE OF DIRT, MUD, AND OTHER DEBRIS AND, WHEN NECESSARY, CLEAN SAID STREETS WHEN DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR THIS WORK.
- WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL USE THE FOLLOWING METHOD TO SUPPRESS DUST AND PREVENT A NUISANCE WITHIN THE LIMITS OF THE PROJECT SITE. DUST SHALL BE CONTROLLED BY THE UNIFORM APPLICATION OF SPRINKLED WATER AND SHALL BE APPLIED ONLY WHEN DIRECTED BY THE ENGINEER, IN A TIMELY MANNER, AND IN A MANNER MEETING THEIR APPROVAL. CALCIUM CHLORIDE SHALL NOT BE USED FOR THIS PURPOSE. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
- WHERE NEW PAVEMENT STRUCTURES ABUT EXISTING PAVEMENT STRUCTURES, A CLEAN AND NEAT FULL DEPTH SAW CUT SHALL BE MADE. SAW CUTTING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
- THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE FLOWS AT ALL TIMES THROUGHOUT THE DURATION OF THE CONTRACT. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. THE COST OF MAINTAINING DRAINAGE FLOWS SHALL BE INCLUDED IN THE COST OF THE VARIOUS DRAINAGE ITEMS.
- THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THIS BRIDGE. THOSE SEEKING HISTORIC AS-BUILT OR OTHER RECORD PLANS SHOULD CONTACT THE OWNER OF RECORD. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION PLEASE CONTACT: RAYMUND FANO, PROJECT MANAGER, CITY OF NAPERVILLE, (630) 305-5534
- THOSE SEEKING THE FULL GEOTECHNICAL REPORT SHOULD CONTACT THE OWNER OF RECORD. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION, PLEASE CONTACT: RAYMUND FANO, PROJECT MANAGER, CITY OF NAPERVILLE, (630) 305-5534
- THOSE SEEKING THE FULL HYDRAULIC REPORT SHOULD CONTACT THE OWNER OF RECORD. TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION, PLEASE CONTACT: RAYMUND FANO, PROJECT MANAGER, CITY OF NAPERVILLE, (630) 305-5534

**HIGHWAY STANDARDS**

DISTRICT ONE STANDARD DETAILS

BD32	BUTT JOINT AND HMA TAPER DETAILS
BD34	DETAILS FOR DEPRESSED CURB & GUTTER AND SHOULDER TREATMENT AT TBT TY. 1 SPL.
TC10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC22	ARTERIAL ROAD INFORMATION SIGN
BE215	LIGHTING CONTROLLER SINGLE DOOR
BE301	LIGHT POLE FOUNDATION 40' (12.192 m) TO 47 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE
BE400	ALUMINUM LIGHT POLE 47'-6" (14.478 m) MOUNTING HEIGHT
BE702	MISC. ELECTRICAL DETAILS SHEET A


I.D.O.T. HIGHWAY STANDARD DRAWINGS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602401-03	MANHOLE TYPE A
602601-03	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604006-05	FRAME AND GRATE TYPE 3
604051-04	FRAME AND GRATE TYPE 11
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-10	STEEL PLATE BEAM GUARDRAIL
630201-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
631031-13	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701101-04	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701426-07	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45 MPH
701431-10	LANE CLOSURE, MULTILANE, UNDIV. WITH CROSSOVER, FOR SPEEDS > 45 MPH TO 55 MPH
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS

CITY OF NAPERVILLE STANDARD DETAILS

290.15	CASTING ADJUSTMENTS FOR STRUCTURES IN PAVED AREAS
290.16	CASTING ADJUSTMENTS FOR STRUCTURES WITHIN THE CURB LINE
290.20	STORM SEWER TRENCH SECTION IN PAVED AREAS
290.21	STORM SEWER TRENCH SECTION IN NON-PAVED AREAS
290.22	GRATING FOR CONCRETE FLARED END SECTION
590.30	SIDEWALK
590.31	SIDEWALK CONSTRUCTION
690.31	TYPICAL TRENCH DETAIL

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	USER NAME = Peter Ross	DESIGNED - JR	REVISED - 2/23/2016	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, HIGHWAY STANDARDS &amp; GENERAL NOTES</b> <b>WASHINGTON STREET</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2.0001" / in.	DRAWN - JR	REVISED -			2552	14-00161-00-BR	WILL	86	2
	PLOT DATE = 2/23/2016 3:16:24 PM	CHECKED - PR	REVISED -			CONTRACT NO. 61C38				
				SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT DPC-M-4003356)				

SPECIALTY ITEM	SPECIAL PROVISION	CODE NUMBER	DESCRIPTION	UNIT	FUNDING	STU	STP-BR	LOCAL	0042 TRAINEES	
					FED/LOCAL	80%/20%	80%/20%	0%/100%		
					TOTAL QUANTITY	0028 SIDEWALK WIDENING	0014 WEARING SURFACE	0043 ELECTRICAL		
*		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	162	162				
*		20101000	TEMPORARY FENCE	FOOT	198	198				
*		20101100	TREE TRUNK PROTECTION	EACH	3	3				
		20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	5	5				
		20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	5	5				
		20200100	EARTH EXCAVATION	CU YD	501	501				
		20400800	FURNISHED EXCAVATION	CU YD	252	252				
		20800150	TRENCH BACKFILL	CU YD	36	36				
		21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	463	463				
*		25000210	SEEDING, CLASS 2A	ACRE	0.3	0.3				
		25000300	SEEDING, CLASS 3	ACRE	0.1	0.1				
		25000312	SEEDING, CLASS 4A	ACRE	0.1	0.1				
*		25000314	SEEDING, CLASS 4B	ACRE	0.1	0.1				
		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	36	36				
		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	36	36				
		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	36	36				
		25100630	EROSION CONTROL BLANKET	SQ YD	1,641	1641				
		25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	1,040	1040				
		25200200	SUPPLEMENTAL WATERING	UNIT	50	50				
*		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	56	56				
*		28000305	TEMPORARY DITCH CHECKS	FOOT	140	140				
*		28000400	PERIMETER EROSION BARRIER	FOOT	1356	1356				
*		28000510	INLET FILTERS	EACH	4	4				
*		28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	2688	2688				
		28100105	STONE RIPRAP, CLASS A3	SQ YD	30	30				
		28100107	STONE RIPRAP, CLASS A4	SQ YD	120	120				
		28200200	FILTER FABRIC	SQ YD	150	150				
		31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	780	780				
		40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	111		111			
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	50		50			
		40600990	TEMPORARY RAMP	SQ YD	394		394			
		40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	155		155			
*		40800027	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	POUND	1068		1068			
		42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	7,022	7022				
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	890	322	568			
		44000600	SIDEWALK REMOVAL	SQ FT	752	752				
		44004250	PAVED SHOULDER REMOVAL	SQ YD	152	152				
		44200132	PAVEMENT PATCHING, TYPE II, 11 INCH	SQ YD	17	17				

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
 WASHINGTON STREET

SCALE: N.T.S. SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 3
CONTRACT NO. 61C38			ILLINOIS FED. AID PROJECT OPC-M-40033561	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NUMBER	DESCRIPTION	UNIT	FUNDING	STU	STP-BR	LOCAL	0042 TRAINEES	
					FED/LOCAL	80%/20%	80%/20%	0%/100%		
					TOTAL QUANTITY	0028 SIDEWALK WIDENING	0014 WEARING SURFACE	0043 ELECTRICAL		
		50102400	CONCRETE REMOVAL	CU YD	208.4	201.0	7.4			
*		50104000	BRIDGE RAIL REMOVAL	FOOT	219	219				
		50200100	STRUCTURE EXCAVATION	CU YD	329.8	329.8				
		50200300	COFFERDAM EXCAVATION	CU YD	124.2	124.2				
	•	50201101	COFFERDAM (TYPE 1) (LOCATION - 1)	EACH	1	1				
	•	50201102	COFFERDAM (TYPE 1) (LOCATION - 2)	EACH	1	1				
	•	50201103	COFFERDAM (TYPE 1) (LOCATION - 3)	EACH	1	1				
		50300225	CONCRETE STRUCTURES	CU YD	324.8	315.0	9.8			
		50300255	CONCRETE SUPERSTRUCTURE	CU YD	62.1	62.1				
		50300260	BRIDGE DECK GROOVING	SQ YD	657		657			
		50300300	PROTECTIVE COAT	SQ YD	985	304	681			
		50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	2,625	2625				
		50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	LSUM	1.0	0.5		0.5		
		50500505	STUD SHEAR CONNECTORS	EACH	493	493				
		50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	54,110	54110				
		50800515	BAR SPLICERS	EACH	110		110			
*		50901720	BICYCLE RAILING	FOOT	452	452				
*		50901750	PARAPET RAILING	FOOT	219	219				
		52000110	PREFORMED JOINT STRIP SEAL	FOOT	176	40	136			
		54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1				
	•	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1				
		550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	33	33				
		550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	14	14				
		550A0640	STORM SEWERS, CLASS A, TYPE 3 12"	FOOT	40	40				
		55100500	STORM SEWER REMOVAL 12"	FOOT	74	74				
		55101200	STORM SEWER REMOVAL 24"	FOOT	40	40				
		58700300	CONCRETE SEALER	SQ FT	1,697	1697				
		59000200	EPOXY CRACK INJECTION	FOOT	113	113				
		59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	310	310				
		60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1	1				
		60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1	1				
		60219300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1				
		60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
		60255500	MANHOLES TO BE ADJUSTED	EACH	3		3			
		60260100	INLETS TO BE ADJUSTED	EACH	1		1			
		60500040	REMOVING MANHOLES	EACH	1	1				
		60500060	REMOVING INLETS	EACH	2	2				
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	447	156	291			

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
 WASHINGTON STREET

SCALE: N.T.S. SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 4
CONTRACT NO. 61C38			ILLINOIS FED. AID PROJECT DPC-N-40033561	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NUMBER	DESCRIPTION	UNIT	FUNDING	STU	STP-BR	LOCAL	0042 TRAINEES	
					FED/LOCAL	80%/20%	80%/20%	0%/100%		
					TOTAL QUANTITY	0028 SIDEWALK WIDENING	0014 WEARING SURFACE	0043 ELECTRICAL		
		60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	457	291	166			
*		63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	600	600				
*		63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4				
*		63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4				
*		63200310	GUARDRAIL REMOVAL	FOOT	958	958				
		67100100	MOBILIZATION	LSUM	1.00	0.83	0.16	0.01		
		70106800	CHANGEABLE MESSAGE SIGN	CAL MO	10	10				
*		70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	3,262	1631	1631			
*		70107007	PAVEMENT MARKING BLACKOUT TAPE, 7"	FOOT	325	162	163			
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,000	500	500			
*		70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	176	88	88			
*		70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	10,485	5242	5243			
*		70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	1,100	550	550			
*		70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	5,735	2867	2868			
*		70400100	TEMPORARY CONCRETE BARRIER	FOOT	325	325				
*		70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	325	325				
*		70600235	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE), TEST LEVEL 2	EACH	2	2				
*		70600320	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 2	EACH	2	2				
*		72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	13	13				
*		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,080		1080			
*		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	24		24			
*		78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	493		493			
*	*	78200410	GUARDRAIL MARKERS, TYPE A	EACH	16	16				
*	*	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4				
*		81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	196	196				
*		81028410	UNDERGROUND CONDUIT, PVC, 6" DIA.	FOOT	381			381		
*		81603045	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	306	306				
*		81800330	AERIAL CABLE, 3-1/C NO. 6 WITH MESSENGER WIRE	FOOT	387	387				
*		83010600	LIGHT POLE, ALUMINUM, 50 FT. M.H., 15 FT. MAST ARM	EACH	2	2				
*		83057405	LIGHT POLE, WOOD, 70 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	1	1				
*		83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	26	26				
*		84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2	2				
*		84200804	REMOVAL OF POLE FOUNDATION	EACH	2	2				
*		84400405	RELOCATE EXISTING WOOD POLES	EACH	1	1				
*	*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	2				
*	*	89502376	REBUILD EXISTING HANDHOLE	EACH	1	1				
*		A2004420	TREE, GINKGO BILOBA (GINKGO), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	3				
*		A2004620	TREE, GLEDITSIA TRIACANTHOS INERMIS (THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2				

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES  
 WASHINGTON STREET**

SCALE: N.T.S. SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	14-00161-00-BR	WILL	86	5
ILLINOIS FED. AID PROJECT DPC-M-4003(356)			CONTRACT NO. 61C38	

SPECIALTY ITEM	SPECIAL PROVISION	CODE NUMBER	DESCRIPTION	UNIT	FUNDING	STU	STP-BR	LOCAL	0042 TRAINEES	
					FED/LOCAL	80%/20%	80%/20%	0%/100%		
					TOTAL QUANTITY	0028 SIDEWALK WIDENING	0014 WEARING SURFACE	0043 ELECTRICAL		
*		A2006520	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	7	7				
*		K0013030	PERENNIAL PLANTS, WETLAND TYPE, 2" DIAMETER BY 4" DEEP PLUG	UNIT	1.1	1.1				
*	*	K1005863	TREE ROOT PRUNING	EACH	10	10				
	*	X0320047	REMOVAL OF EXISTING PRECAST PRESTRESSED CONCRETE DECK BEAMS	SQ FT	875	875				
	*	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	2	2				
	*	X0324455	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	3,633	3633				
	*	X0324456	DRILLING AND SETTING SOLDIER PILES (IN ROCK)	CU FT	796	796				
*	*	X2501700	SEEDING, CLASS 3 (MODIFIED)	ACRE	0.1	0.1				
*	*	X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	0.1	0.1				
*	*	X2510635	HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL	SQ YD	1,048	1048				
*	*	X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	1,641	1641				
	*	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1582		1582			
	*	X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	681		681			
	*	X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	198	198				
	*	X6013600	PIPE UNDERDRAINS 4" (MODIFIED)	FOOT	42	42				
*	*	X6330705	RUB RAIL	FOOT	288	288				
	*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1.0	0.5	0.5			
	*	X8140115	HANDHOLE TO BE ADJUSTED	EACH	1	1				
	*	X8440102	RELOCATE EXISTING LUMINAIRE	EACH	2	2				
	*	X8900010	TEMPORARY TRAFFIC SIGNAL INTERCONNECT	EACH	2	2				
	*	X8950450	REMOVE EXISTING UNDERGROUND CONDUIT	FOOT	131	86		45		
	*	XX006729	PERIMETER EROSION BARRIER, ROLLED EXCELSIOR	FOOT	136	136				
	*	Z0004560	BRIDGE WEARING SURFACE REMOVAL	SQ YD	584		584			
	*	Z0005216	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	SQ YD	352	352				
	*	Z0007118	UNTREATED TIMBER LAGGING	SQ FT	1,678	1678				
	*	Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	36	36				
	*	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	62	62				
	*	Z0013798	CONSTRUCTION LAYOUT	LSUM	1.00	0.83	0.16	0.01		
	*	Z0018900	DRILL AND GROUT DOWEL BARS	EACH	552	552				
	*	Z0026404	FURNISHING SOLDIER PILES (W SECTION)	FOOT	814	814				
	*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51	51				
	*	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	5	5				
	*	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	239	239				
	*	Z0049790	RELOCATING NAME PLATES	EACH	1	1				
	*	Z0076600	TRAINEES	HOUR	500					500
	*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500					500

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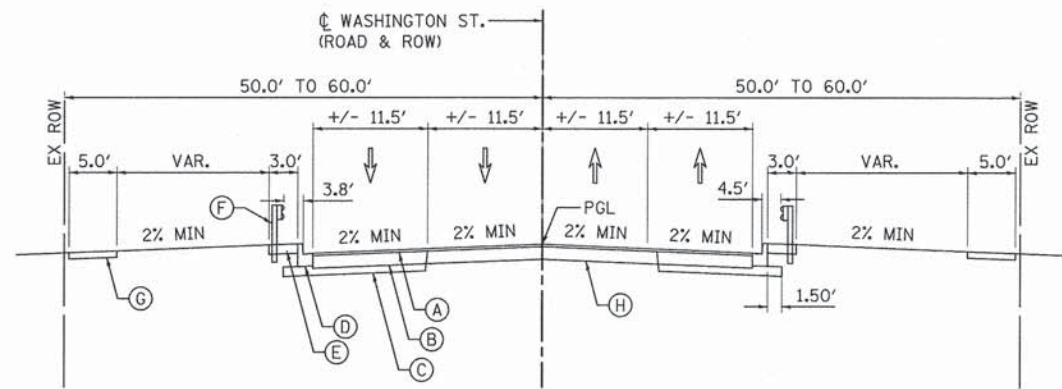


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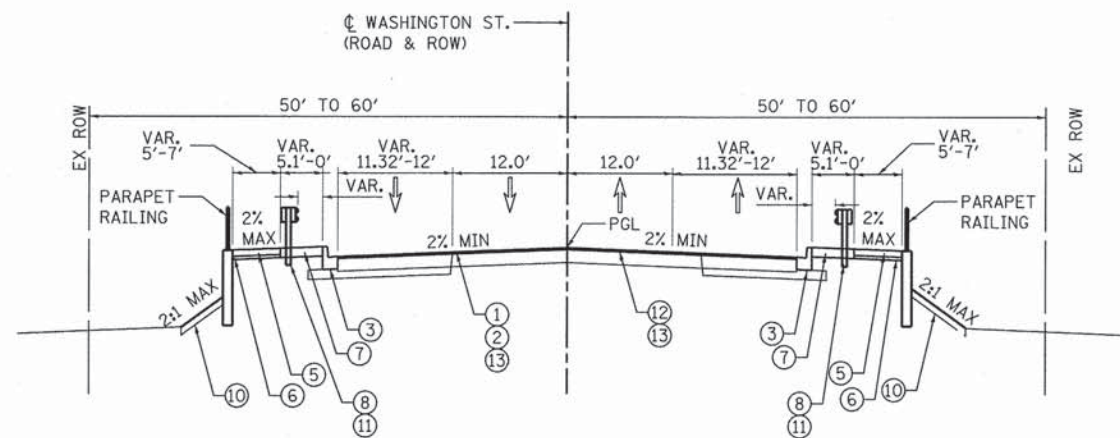
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUMMARY OF QUANTITIES WASHINGTON STREET</b>			
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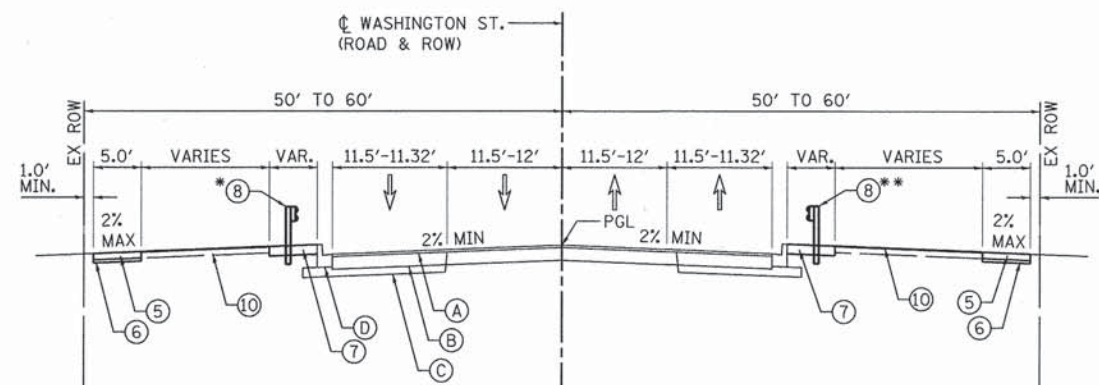
F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 6
			CONTRACT NO. 61C38	
ILLINOIS FED. AID PROJECT DPC-M-4003561				



**EXISTING TYPICAL SECTION**  
 WASHINGTON STREET  
 STA. 96+56.63 TO STA. 99+43.24

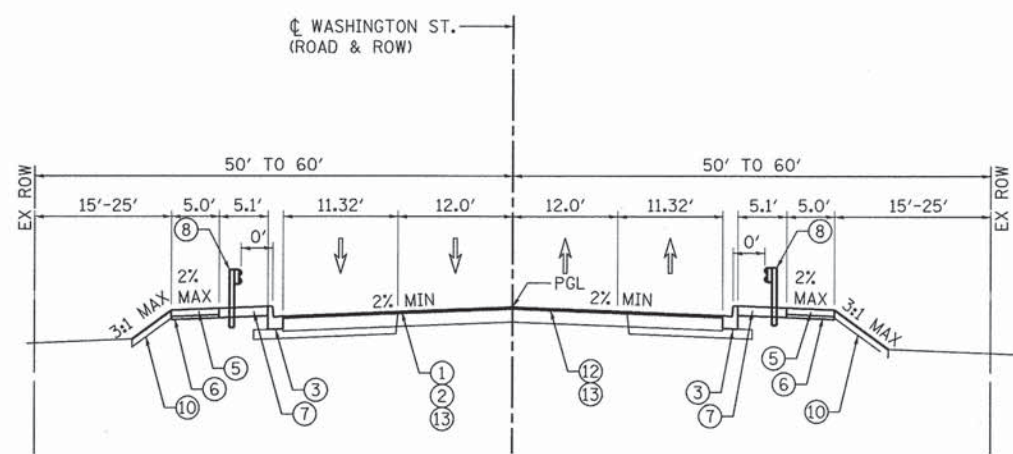


**PROPOSED TYPICAL SECTION**  
 WASHINGTON STREET  
 STA. 98+74.63 LT TO STA. 99+26.31 LT  
 STA. 98+82.79 RT TO STA. 99+64.15 RT



**PROPOSED TYPICAL SECTION**  
 WASHINGTON STREET  
 STA. 96+56.63 TO STA. 98+00.00  
 \* GUARDRAIL BEGINS STA. 96+84.93  
 \*\* GUARDRAIL BEGINS STA. 97+12.72

**BRIDGE OMISSION**  
 WASHINGTON STREET  
 STA. 99+26.31 LT TO STA. 100+36.19  
 STA. 99+64.15 RT TO STA. 100+73.28



**PROPOSED TYPICAL SECTION**  
 WASHINGTON STREET  
 STA. 98+00.00 LT TO STA. 98+74.63 LT  
 STA. 98+00.00 RT TO STA. 98+82.79 RT

**EXISTING LEGEND**

- (A) HMA SURFACE COURSE
- (B) HMA BINDER COURSE
- (C) HMA BASE COURSE
- (D) B-6.12 CC&G
- (E) HMA SHOULDER
- (F) EXIST. GUARDRAIL
- (G) EXIST. PCC SIDEWALK
- (H) PRE-1986 HMA ROADWAY
- (I) SUB-BASE GRANULAR MATERIAL

**PROPOSED LEGEND**

- ① HMA SURF REM VAR DP 0" TO 3" (X4401198)
- ② P HMA SC "E" N70, 1 3/4" (40603565)
- ③ COMB CC&G TB6.12 (60603800)
- ④ COMB CC&G TB6.18 (60604400)
- ⑤ PC CONC SIDEWALK 4 (42400100)
- ⑥ SUB GRAN MAT B 2 (31101180)
- ⑦ HMA STAB 6 AT SPBGR (Z0005216)
- ⑧ SPBGR TY A 6FT POSTS (63000001)
- ⑨ GUARDRAIL REMOV (63200310)
- ⑩ TOPSOIL EXC & PLAC (21101505)
- ⑪ RUB RAIL (X6330705)
- ⑫ LEVELING BINDER (MACHINE METHOD), N70, 1 1/4" (40600635)
- ⑬ POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) (40800027)

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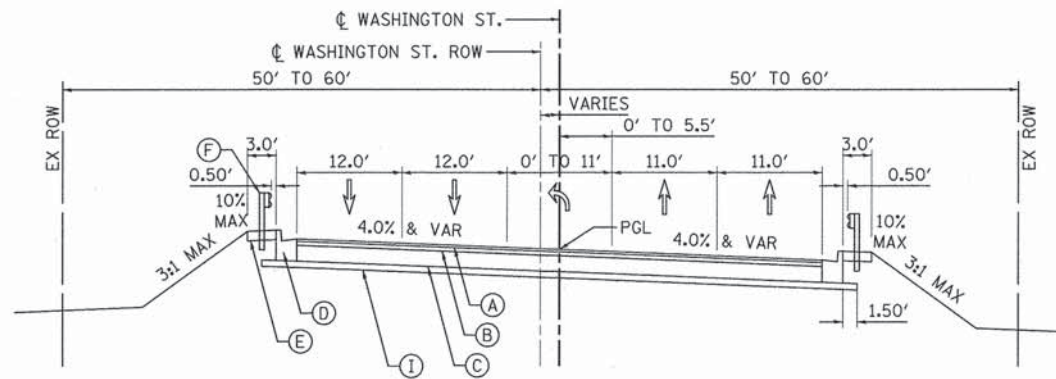
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
 WASHINGTON STREET

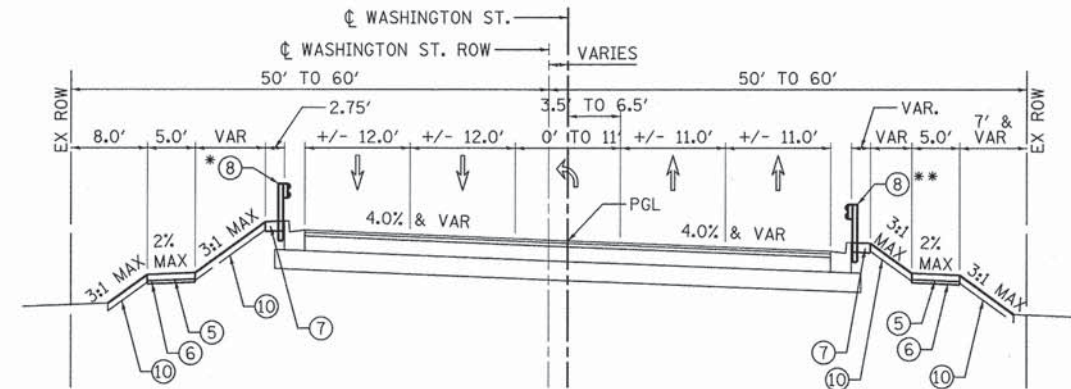
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61C38				
ILLINOIS FED. AID PROJECT DPC-M-4003356				



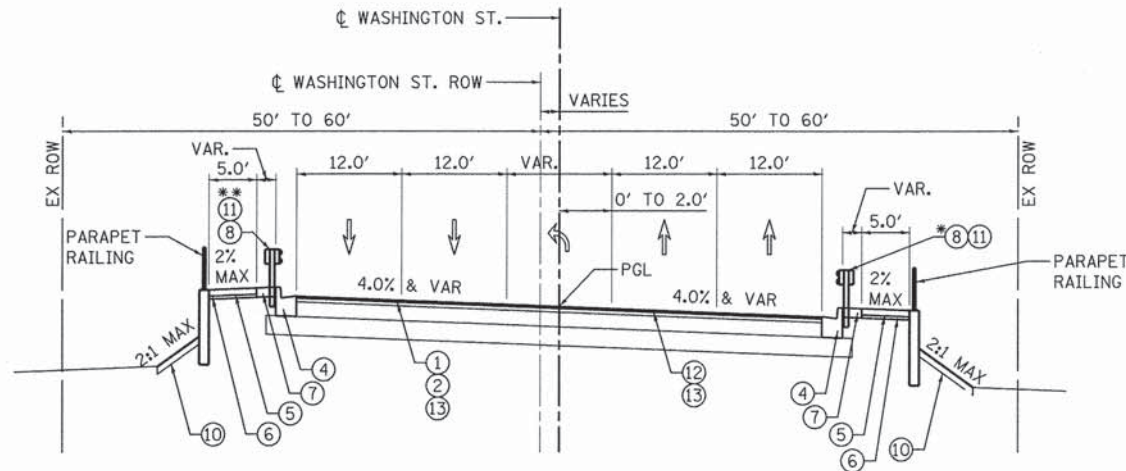
**EXISTING TYPICAL SECTION**

WASHINGTON STREET  
STA. 100+56.77 TO STA. 104+65.81



**PROPOSED TYPICAL SECTION**

WASHINGTON STREET  
STA. 102+00.00 TO STA. 104+65.81  
\* GUARDRAIL ENDS STA. 103+56.18  
\*\* GUARDRAIL ENDS STA. 102+30.39



**PROPOSED TYPICAL SECTION**

WASHINGTON STREET  
STA. 100+36.19 LT TO STA. 100+96.21 LT  
STA. 100+73.28 RT TO STA. 101+43.61 RT  
\* 0' FROM FACE OF GUARDRAIL TO FACE OF CURB  
\*\* 0' FROM FACE OF GUARDRAIL TO FACE OF CURB

**EXISTING LEGEND**

- (A) HMA SURFACE COURSE
- (B) HMA BINDER COURSE
- (C) HMA BASE COURSE
- (D) B-6.12 CC&G
- (E) HMA SHOULDER
- (F) EXIST. GUARDRAIL
- (G) EXIST. PCC SIDEWALK
- (H) PRE-1986 HMA ROADWAY
- (I) SUB-BASE GRANULAR MATERIAL

**PROPOSED LEGEND**

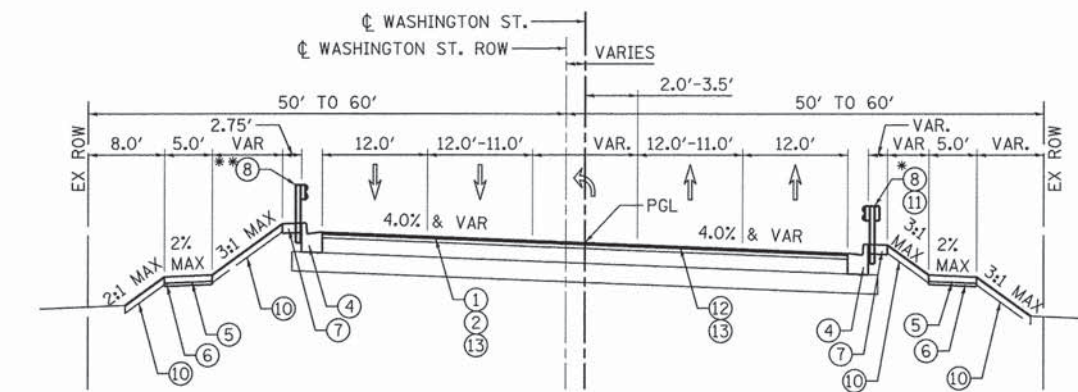
- (1) HMA SURF REM VAR DP 0" TO 3" (X4401198)
- (2) P HMA SC "E" N70, 1 3/4" (40603565)
- (3) COMB CC&G TB6.12 (60603800)
- (4) COMB CC&G TB6.18 (60604400)
- (5) PC CONC SIDEWALK 4 (42400100)
- (6) SUB GRAN MAT B 2 (31101180)
- (7) HMA STAB 6 AT SPBGR (Z0005216)
- (8) SPBGR TY A 6FT POSTS (63000001)
- (9) GUARDRAIL REMOV (63200310)
- (10) TOPSOIL EXC & PLAC (21101505)
- (11) RUB RAIL (X6330705)
- (12) LEVELING BINDER (MACHINE METHOD), N70, 1 1/4" (40600635)
- (13) POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) (40800027)

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

PAY ITEM DESCRIPTION	MIX TYPE	LIFT THICKNESS	AIR VOIDS @ Ndes
<b>HOT-MIX ASPHALT SURFACE COURSE</b>			
P HMA SC "E" N70 (40603565)	IL 9.5 mm	1 3/4"	4% @ 70 GYR.
<b>HOT-MIX ASPHALT LEVELING BINDER</b>			
LEVELING BINDER (MACHINE METHOD), N70 (40600635)	IL 9.5 mm	1 1/4"	4% @ 70 GYR.
<b>HMA STABILIZATION AT SPBGR (Z0005216)</b>			
HMA BINDER COURSE, IL-19.0, N50		2 1/4" Min.	4% @ 50 GYR.
HMA SURFACE COURSE, MIX "D", N50	IL 9.5 mm	1 1/2"	4% @ 50 GYR.

**NOTE:**

- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
- FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.



**PROPOSED TYPICAL SECTION**

WASHINGTON STREET  
STA. 100+96.21 LT TO STA. 102+00.00 LT  
STA. 101+43.61 RT TO STA. 102+00.00 RT  
\* 0' FROM FACE OF GUARDRAIL TO FACE OF CURB  
\*\* 0' FROM FACE OF GUARDRAIL TO FACE OF CURB

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS  
WASHINGTON STREET**

SCALE: N.T.S.	SHEET 2 OF 2 SHEETS	STA. - TO STA. -	F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 8
							CONTRACT NO. 61C38
ILLINOIS FED. AID PROJECT DPC-M-4003(356)							





**EROSION AND SEDIMENT CONTROL SCHEDULES**

TEMPORARY FENCE (20101000)		
SHEET	LOCATION	QUANTITY (FOOT)
EROSION CONTROL AND SEDIMENT	WETLAND - NW QUAD	20
EROSION CONTROL AND SEDIMENT	TREE - 102+50.51 LT	12
EROSION CONTROL AND SEDIMENT	TREE - 102+93.61 LT	12
EROSION CONTROL AND SEDIMENT	TREE - 103+29.76 LT	12
EROSION CONTROL AND SEDIMENT	BUSHES - 103+88.67 LT	27
EROSION CONTROL AND SEDIMENT	WETLAND - SE QUAD	102
EROSION CONTROL AND SEDIMENT	WETLAND - NE QUAD	13
TOTAL		198

TREE TRUNK PROTECTION (20101100)				
SHEET	STATION	OFFSET	LT/RT	QUANTITY (EACH)
EROSION CONTROL AND SEDIMENT	102+50.50	52.1	LT	1
EROSION CONTROL AND SEDIMENT	102+93.60	50.6	LT	1
EROSION CONTROL AND SEDIMENT	103+29.76	49.5	LT	1
TOTAL				3

TEMPORARY EROSION CONTROL SEEDING (28000250)		
SHEET	LOCATION	QUANTITY (POUND)
EROSION CONTROL AND SEDIMENT	S. BRIDGE - STAGE 1	11
EROSION CONTROL AND SEDIMENT	N. BRIDGE - STAGE 2	19
EROSION CONTROL AND SEDIMENT	S. BRIDGE - STAGE 2	14
EROSION CONTROL AND SEDIMENT	N. BRIDGE - STAGE 2	12
TOTAL		56

TEMPORARY EROSION CONTROL BLANKET (28001100)		
SHEET	LOCATION	QUANTITY (SQ YD)
EROSION CONTROL AND SEDIMENT	S. BRIDGE - STAGE 1	533
EROSION CONTROL AND SEDIMENT	N. BRIDGE - STAGE 2	911
EROSION CONTROL AND SEDIMENT	S. BRIDGE - STAGE 2	676
EROSION CONTROL AND SEDIMENT	N. BRIDGE - STAGE 2	568
TOTAL		2688

INLET FILTERS (28000510)				
SHEET	STATION FROM	OFFSET	LT/RT	QUANTITY (EACH)
EROSION CONTROL AND SEDIMENT	98+90.27	23.3	LT	1
EROSION CONTROL AND SEDIMENT	100+93.30	25.5	LT	1
EROSION CONTROL AND SEDIMENT	98+90.20	23.3	RT	1
EROSION CONTROL AND SEDIMENT	102+18.68	26.7	RT	1
TOTAL				4

PERIMETER EROSION BARRIER (28000400)		
SHEET	LOCATION	QUANTITY (FOOT)
EROSION CONTROL AND SEDIMENT	S. BRIDGE - STAGE 1	207
EROSION CONTROL AND SEDIMENT	N. BRIDGE - STAGE 1	500
EROSION CONTROL AND SEDIMENT	S. BRIDGE - STAGE 2	277
EROSION CONTROL AND SEDIMENT	N. BRIDGE - STAGE 2	372
TOTAL		1356

PERIMETER EROSION BARRIER, ROLLED EXCELSIOR (XX006729)		
SHEET	LOCATION	QUANTITY (FOOT)
EROSION CONTROL AND SEDIMENT	N. BRIDGE - STAGE 1	20
EROSION CONTROL AND SEDIMENT	S. BRIDGE - STAGE 2	103
EROSION CONTROL AND SEDIMENT	N. BRIDGE - STAGE 2	13
TOTAL		136

STONE RIPRAP, CLASS A3 (28100105)				
SHEET	STATION	OFFSET	LT/RT	QUANTITY (SQ YD)
EROSION CONTROL AND SEDIMENT	98+99.10	54.1	RT	30
TOTAL				30

ADDITIONAL QUANTITY NOTED ON STRUCTURAL PLANS

STONE RIPRAP, CLASS A4 (28100107)				
SHEET	STATION	OFFSET	LT/RT	QUANTITY (SQ YD)
EROSION CONTROL AND SEDIMENT	100+84.78	47.4	RT	38
TOTAL				38

ADDITIONAL QUANTITY NOTED ON STRUCTURAL PLANS

FILTER FABRIC (28200200)				
SHEET	STATION	OFFSET	LT/RT	QUANTITY (SQ YD)
EROSION CONTROL AND SEDIMENT	98+99.10	54.1	RT	30
EROSION CONTROL AND SEDIMENT	100+84.78	47.4	RT	38
TOTAL				68

ADDITIONAL QUANTITY NOTED ON STRUCTURAL PLANS

**DRAINAGE AND UTILITY SCHEDULES**

STORM SEWERS, CLASS A, TYPE 1 12" (550A0050)				
SHEET	STATION FROM	STATION TO	LT/RT	QUANTITY (FOOT)
DRAINAGE AND UTILITIES	98+55.00	98+90.00	RT	33
TOTAL				33

STORM SEWERS, CLASS A, TYPE 2 24" (550A0410)				
SHEET	STATION FROM	STATION TO	LT/RT	QUANTITY (FOOT)
DRAINAGE AND UTILITIES	100+93.00	100+84.80	LT	14
TOTAL				14

STORM SEWERS, CLASS A, TYPE 3 12" (550A0640)				
SHEET	STATION FROM	STATION TO	LT/RT	QUANTITY (FOOT)
DRAINAGE AND UTILITIES	98+55.00	98+99.00	RT	40
TOTAL				40

PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" (54213657)				
SHEET	STATION	OFFSET	LT/RT	QUANTITY (EACH)
DRAINAGE AND UTILITIES	98+99.00	54	RT	1
TOTAL				1

PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" (54213669)				
SHEET	STATION	OFFSET	LT/RT	QUANTITY (EACH)
DRAINAGE AND UTILITIES	100+84.80	48	LT	1
TOTAL				1

MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE (60218500)				
SHEET	STATION	OFFSET	LT/RT	QUANTITY (EACH)
DRAINAGE AND UTILITIES	100+93.00	25.5	LT	1
TOTAL				1

MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE (60219300)				
SHEET	STATION	OFFSET	LT/RT	QUANTITY (EACH)
DRAINAGE AND UTILITIES	98+90.00	23.3	RT	1
TOTAL				1

MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID (60221100)				
SHEET	STATION	OFFSET	LT/RT	QUANTITY (EACH)
DRAINAGE AND UTILITIES	98+55.00	33	RT	1
TOTAL				1

MANHOLES TO BE ADJUSTED (60255500)				
SHEET	STATION	OFFSET	LT/RT	QUANTITY (EACH)
DRAINAGE AND UTILITIES	92+27.97	18.6	RT	1
DRAINAGE AND UTILITIES	101+13.89	19.7	RT	1
DRAINAGE AND UTILITIES	101+93.00	22	LT	1
TOTAL				3

INLETS TO BE ADJUSTED (60260100)				
SHEET	STATION	OFFSET	LT/RT	QUANTITY (EACH)
DRAINAGE AND UTILITIES	98+90.27	23.3	LT	1
TOTAL				1

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA (81028200)				
SHEET	STATION FROM	STATION TO	LT/RT	QUANTITY (FOOT)
ROADWAY DETAILS	99+55.00	99+67.00	RT	12
ROADWAY DETAILS	99+67.00	100+77.00	RT	110
ROADWAY DETAILS	100+77.00	101+51.00	RT	74
TOTAL				196

UNDERGROUND CONDUIT, PVC, 6" DIA (81028410)				
SHEET	STATION FROM	STATION TO	LT/RT	QUANTITY (FOOT)
ROADWAY DETAILS	99+58.00	99+66.00	RT	24
ROADWAY DETAILS	99+66.00	100+75.00	RT	327
ROADWAY DETAILS	100+75.00	100+85.00	RT	30
TOTAL				381

UNIT DUCT, 600V, 3-1C NO.6, 1/2 NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE				
SHEET	STATION FROM	STATION TO	LT/RT	QUANTITY (FOOT)
ROADWAY LIGHTING	97+68.5	99+30.0	RT	167
ROADWAY LIGHTING	100+52.0	101+84.7	LT	139
TOTAL				306

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES  
WASHINGTON STREET

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 10
CONTRACT NO. 61C38				
[ILLINOIS] FED. AID PROJECT DPC-M-4003(356)				

**LANDSCAPING SCHEDULES**

SEEDING, CLASS 2A (25000210)		
SHEET	LOCATION	QUANTITY (ACRE)
PAVEMENT MARKING AND LANDSCAPING	SW BRIDGE	0.09
PAVEMENT MARKING AND LANDSCAPING	NW BRIDGE	0.13
PAVEMENT MARKING AND LANDSCAPING	SE BRIDGE	0.07
PAVEMENT MARKING AND LANDSCAPING	NE BRIDGE	0.06
TOTAL		0.3

SEEDING, CLASS 3 (MODIFIED) (X2501700)		
SHEET	LOCATION	QUANTITY (ACRE)
PAVEMENT MARKING AND LANDSCAPING	SW BRIDGE	0.02
PAVEMENT MARKING AND LANDSCAPING	NW BRIDGE	0.02
PAVEMENT MARKING AND LANDSCAPING	SE BRIDGE	0.03
PAVEMENT MARKING AND LANDSCAPING	NE BRIDGE	0.06
TOTAL		0.1

SEEDING, CLASS 4A (MODIFIED) (X2502014)		
SHEET	LOCATION	QUANTITY (ACRE)
PAVEMENT MARKING AND LANDSCAPING	NW BRIDGE	0.04
PAVEMENT MARKING AND LANDSCAPING	SE BRIDGE	0.04
TOTAL		0.1

SEEDING, CLASS 4B (25000314)		
SHEET	LOCATION	QUANTITY (ACRE)
PAVEMENT MARKING AND LANDSCAPING	NW BRIDGE	0.01
ROUNDED TOTAL		0.1

EROSION CONTROL BLANKET (SPECIAL) (X2511630)		
SHEET	LOCATION	QUANTITY (SQ YD)
PAVEMENT MARKING AND LANDSCAPING	SEEDING, CLASS 2A	1615
PAVEMENT MARKING AND LANDSCAPING	SEEDING, CLASS 4B	26
TOTAL		1641

HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL (X2510635)		
SHEET	LOCATION	QUANTITY (SQ YD)
PAVEMENT MARKING AND LANDSCAPING	SEEDING, CLASS 3	649
PAVEMENT MARKING AND LANDSCAPING	SEEDING, CLASS 4A	399
TOTAL		1048

**PAVEMENT MARKING SCHEDULES**

PAVEMENT MARKING BLACKOUT TAPE, 5" (70107005)				
SHEET	STATION FROM	STATION TO	DESCRIPTION	QUANTITY (FOOT)
PAVEMENT MARKING AND LANDSCAPING	-	95+06.05	SKIP DASH	142
PAVEMENT MARKING AND LANDSCAPING	-	95+23.59	DBL YELLOW	600
PAVEMENT MARKING AND LANDSCAPING	95+85.86	104+60.50	SKIP DASH	210
PAVEMENT MARKING AND LANDSCAPING	95+90.18	96+21.92	DBL YELLOW	64
PAVEMENT MARKING AND LANDSCAPING	103+14.83	104+27.93	DBL YELLOW	226
PAVEMENT MARKING AND LANDSCAPING	-	-	SKIP DASH	160
PAVEMENT MARKING AND LANDSCAPING	95+85.54	BRIDGE	SKIP DASH	86
PAVEMENT MARKING AND LANDSCAPING	96+21.92	BRIDGE	DBL YELLOW	644
PAVEMENT MARKING AND LANDSCAPING	100+45.63	104+61.55	SKIP DASH	104
PAVEMENT MARKING AND LANDSCAPING	100+52.93	103+52.01	DBL YELLOW	600
15% CONTINGENCY				426
TOTAL				3262

PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS (70300510)				
SHEET	LOCATION	DESCRIPTION	QUANTITY (SQ FT)	
PAVEMENT MARKING AND LANDSCAPING	NB LEFT TURN LANE	ONLY	21.1	
PAVEMENT MARKING AND LANDSCAPING	NB LEFT TURN LANE	LT. ARROW	15.2	
PAVEMENT MARKING AND LANDSCAPING	SB THROUGH LANE	ARROW	12.3	
PAVEMENT MARKING AND LANDSCAPING	SB THROUGH LANE	ONLY	21.1	
PAVEMENT MARKING AND LANDSCAPING	SB TURN LANE	ONLY	21.1	
PAVEMENT MARKING AND LANDSCAPING	SB TURN LANE	RT. ARROW	15.2	
PAVEMENT MARKING AND LANDSCAPING	SB THROUGH LANE	ARROW	12.3	
PAVEMENT MARKING AND LANDSCAPING	SB THROUGH LANE	ONLY	21.1	
PAVEMENT MARKING AND LANDSCAPING	SB TURN LANE	ONLY	21.1	
PAVEMENT MARKING AND LANDSCAPING	SB TURN LANE	RT. ARROW	15.2	
TOTAL			176	

PAVEMENT MARKING TAPE, TYPE III 6" (70300540)				
SHEET	STATION FROM	STATION TO	DESCRIPTION	QUANTITY (FOOT)
PAVEMENT MARKING AND LANDSCAPING	103+29.30	104+60.50	SOLID WHT.	129.4
PAVEMENT MARKING AND LANDSCAPING	103+29.30	104+60.50	SOLID WHT.	130.8
PAVEMENT MARKING AND LANDSCAPING	102+00.00	103+29.30	DASHED	31.8
PAVEMENT MARKING AND LANDSCAPING	105+43.51	-	SOLID WHT.	218.4
PAVEMENT MARKING AND LANDSCAPING	105+43.51	-	SOLID WHT.	215.7
PAVEMENT MARKING AND LANDSCAPING	-	-	DASHED	46.3
PAVEMENT MARKING AND LANDSCAPING	102+00.00	103+07.40	DASHED	27.3
PAVEMENT MARKING AND LANDSCAPING	105+43.83	-	SOLID WHT.	186.6
PAVEMENT MARKING AND LANDSCAPING	106+43.42	-	SOLID WHT.	84.0
PAVEMENT MARKING AND LANDSCAPING	-	-	DASHED	29.3
TOTAL				1100

PAVEMENT MARKING BLACKOUT TAPE, 7" (70107007)				
SHEET	STATION FROM	STATION TO	DESCRIPTION	QUANTITY (FOOT)
PAVEMENT MARKING AND LANDSCAPING	101+67.37	103+07.40	DASHED	35
PAVEMENT MARKING AND LANDSCAPING	103+07.40	104+22.05	SLD. WHITE	115
PAVEMENT MARKING AND LANDSCAPING	-	-	DASHED	29
PAVEMENT MARKING AND LANDSCAPING	103+21.49	-	ONLY	42
PAVEMENT MARKING AND LANDSCAPING	103+46.80	-	LT. ARROW	30
PAVEMENT MARKING AND LANDSCAPING	106+43.52	-	DASHED	31
15% CONTINGENCY				43
TOTAL				325

PAVEMENT MARKING TAPE, TYPE III 4" (70300520)				
SHEET	STATION FROM	STATION TO	DESCRIPTION	QUANTITY (FOOT)
PAVEMENT MARKING AND LANDSCAPING	-	95+06.05	DBL. YELLOW	1120.6
PAVEMENT MARKING AND LANDSCAPING	-	94+35.14	DBL. YELLOW	502.2
PAVEMENT MARKING AND LANDSCAPING	95+85.86	104+60.78	DBL. YELLOW	1750.8
PAVEMENT MARKING AND LANDSCAPING	-	95+45.68	SOLID WHT.	413
PAVEMENT MARKING AND LANDSCAPING	95+70.29	104+82.77	SOLID WHT.	991.2
PAVEMENT MARKING AND LANDSCAPING	106+00.47	-	SOLID WHT.	808.6
PAVEMENT MARKING AND LANDSCAPING	-	95+06.05	DBL. YELLOW	586.4
PAVEMENT MARKING AND LANDSCAPING	95+85.54	94+35.14	DBL. YELLOW	1758.4
PAVEMENT MARKING AND LANDSCAPING	-	104+60.78	SOLID WHT.	604.9
PAVEMENT MARKING AND LANDSCAPING	95+70.16	95+45.68	SOLID WHT.	82
PAVEMENT MARKING AND LANDSCAPING	97+55.02	104+82.77	SOLID WHT.	583
PAVEMENT MARKING AND LANDSCAPING	98+00.00	-	SOLID WHT.	668.6
PAVEMENT MARKING AND LANDSCAPING	-	-	SOLID YEL.	615.2
TOTAL				10485

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200)				
SHEET	STATION FROM	STATION TO	DESCRIPTION	QUANTITY (FOOT)
PAVEMENT MARKING AND LANDSCAPING	98+00.00	99+36.87	SKIP-DASH	34.2
PAVEMENT MARKING AND LANDSCAPING	98+00.00	99+53.67	SKIP-DASH	38.4
PAVEMENT MARKING AND LANDSCAPING	100+46.33	102+00.00	SKIP-DASH	38.4
PAVEMENT MARKING AND LANDSCAPING	100+63.12	102+00.00	SKIP-DASH	34.2
PAVEMENT MARKING AND LANDSCAPING	98+00.00	99+45.27	DBL YELL	290.5
PAVEMENT MARKING AND LANDSCAPING	100+54.73	102+00.00	DBL YELL	290.5
PAVEMENT MARKING AND LANDSCAPING	99+00.00	99+62.08	SLD WHT	62.1
PAVEMENT MARKING AND LANDSCAPING	100+71.52	101+75.25	SLD WHT	103.7
PAVEMENT MARKING AND LANDSCAPING	99+00.00	99+28.47	SLD WHT	28.5
PAVEMENT MARKING AND LANDSCAPING	100+37.92	101+97.77	SLD WHT	159.9
TOTAL				1080

EPOXY PAVEMENT MARKING - LINE 4" (78000510)				
SHEET	STATION FROM	STATION TO	DESCRIPTION	QUANTITY (FOOT)
PAVEMENT MARKING AND LANDSCAPING	99+45.27	100+54.73	DBL YELL	218.9
PAVEMENT MARKING AND LANDSCAPING	99+53.67	100+63.13	SKIP-DASH	27.4
PAVEMENT MARKING AND LANDSCAPING	99+36.87	100+46.33	SKIP-DASH	27.4
PAVEMENT MARKING AND LANDSCAPING	99+62.08	100+71.53	SLD WHT	109.5
PAVEMENT MARKING AND LANDSCAPING	99+28.47	100+37.92	SLD WHT	109.5
TOTAL				493

THERMOPLASTIC PAVEMENT MARKING - LINE 6" (78000400)				
SHEET	STATION FROM	STATION TO	DESCRIPTION	QUANTITY (FOOT)
PAVEMENT MARKING AND LANDSCAPING	101+05.48	102+00.00	DASHED	23.6
TOTAL				24

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES  
WASHINGTON STREET**

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 11
CONTRACT NO. 61C38				ILLINOIS FED. AID PROJECT DPC-M-40033561

**STAGE 1 (CONSTRUCTION IN SOUTHBOUND LANES [LEFT SIDE OF ROAD])**

	A	B = A x (1-0.15)	C	D = B - C	E	F	G = E - F	H
LOCATION	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT, ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	TOPSOIL EXCAVATION	TOPSOIL PLACEMENT	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)	NON-STRUCTURAL ROADSIDE EMBANKMENT TO BE FILLED WITH TOPSOIL
	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS
96+50 TO 98+00	9	8	46	-38	37	30	7	0
98+00 TO 100+00	50	43	165	-122	60	53	7	0
100+00 TO 102+00	147	125	148	-23	84	106	-22	0
102+00 TO 104+50	34	29	29	0	74	67	7	0
<b>TOTAL</b>	<b>240</b>	<b>205</b>	<b>388</b>	<b>-183</b>	<b>255</b>	<b>256</b>	<b>-1</b>	<b>0</b>

**STAGE 2 (CONSTRUCTION IN NORTHBOUND LANES [RIGHT SIDE OF ROAD])**

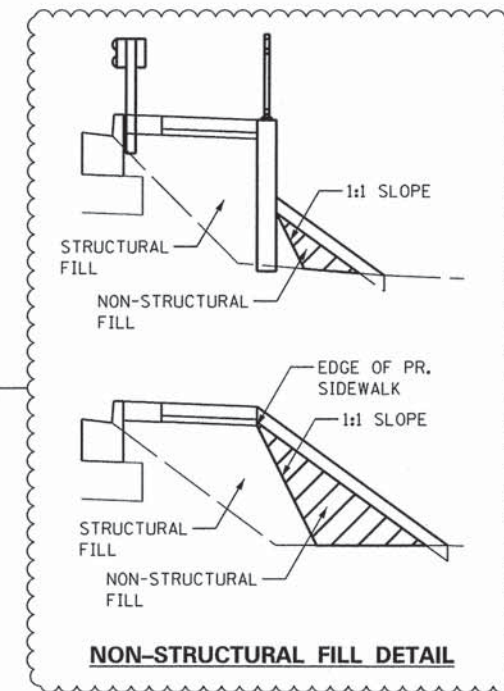
	A	B = A x (1-0.15)	C	D = B - C	E	F	G = E - F	H
LOCATION	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT, ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	TOPSOIL EXCAVATION	TOPSOIL PLACEMENT	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-)	NON-STRUCTURAL ROADSIDE EMBANKMENT TO BE FILLED WITH TOPSOIL
	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS	CUBIC YARDS
96+50 TO 98+00	21	18	3	16	32	9	23	0
98+00 TO 100+00	47	40	100	-60	77	64	13	40
100+00 TO 102+00	71	61	98	-37	90	45	45	42
102+00 TO 104+50	0	0	109	-109	131	55	76	40
<b>TOTAL</b>	<b>139</b>	<b>119</b>	<b>310</b>	<b>-190</b>	<b>330</b>	<b>173</b>	<b>157</b>	<b>122</b>

**PAY ITEM TOTALS**

ITEM	UNIT	QUANTITY	EQUATION
EARTH EXCAVATION	CU YD	501	= A + H
FURNISHED EXCAVATION	CU YD	252	= (-D) - H
TOPSOIL EXCAVATION & PLACEMENT	CU YD	463	= F

**EARTH EXCAVATION NOTES**

- EXCESS EXCAVATION, IF NOT UTILIZED AS EMBANKMENT, SHALL BE COMPLETELY REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF OFF-SITE BY THE CONTRACTOR AND BE CONSIDERED INCLUDED IN THE COST OF "EARTH EXCAVATION" (20200100).
- EXCESS TOPSOIL, IF NOT USED FOR PLACEMENT OR NON-STRUCTURAL EMBANKMENT, SHALL BE COMPLETELY REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF OFF-SITE BY THE CONTRACTOR FOLLOWING IDOT STANDARD AND SUPPLEMENTAL SPECIFICATIONS SECTION 202. THIS SHALL BE INCLUDED IN THE COST OF TOPSOIL EXCAVATION AND PLACEMENT.
- EXCESS TOPSOIL MAY BE USED AS NON-STRUCTURAL EMBANKMENT, AS DEPICTED IN THE DETAIL BELOW.
- CLEARING AND GRUBBING OF ALL LOGS, SHRUBS, BUSHES, SAMPLINGS, GRASS, WEEDS, OTHER VEGETATION AND STUMPS OF A DIAMETER LESS THAN 6 INCHES AS WELL AS THE REMOVAL AND DISPOSAL OF ALL OBSTRUCTIONS TO PROPOSED IMPROVEMENTS INCLUDING BUT NOT LIMITED TO ACCUMULATIONS OF RUBBISH AND EXISTING STRUCTURES NOT SHOWN TO BE REMOVED AS A SEPARATE PAY ITEM SHALL BE INCLUDED IN THE COST OF "EARTH EXCAVATION" (20200100).
- SHRINKAGE FACTOR USED IN CALCULATIONS = 15%
- BASED ON GEOTECHNICAL STUDY AND AS-BUILT PLANS, EXISTING TOPSOIL ASSUMED TO BE SIX INCHES DEEP ON WEST ROADSIDE AND SIX INCHES DEEP ON EAST SIDE, SOUTH OF THE BRIDGE, AND 12 INCHES DEEP ON EAST ROADSIDE, NORTH OF THE BRIDGE. PROPOSED TOPSOIL DEPTH WILL BE EIGHT INCHES, EXCEPT IN THE BIOSWALE AREA WHERE A 12 INCH DEPTH WILL BE USED AS SHOWN ON SHEET 28.



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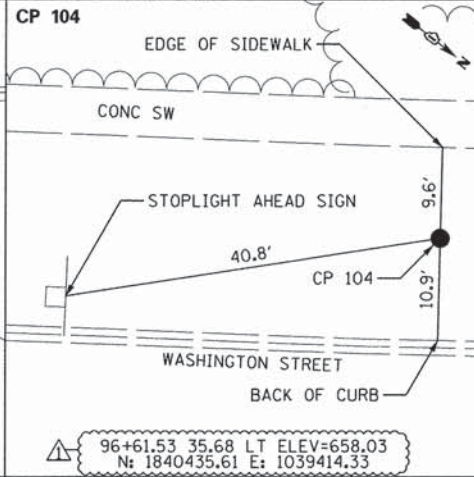
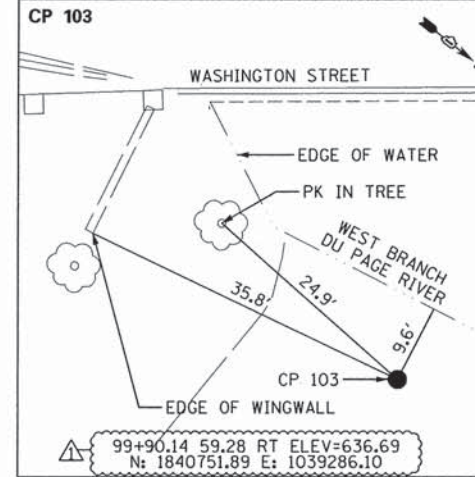
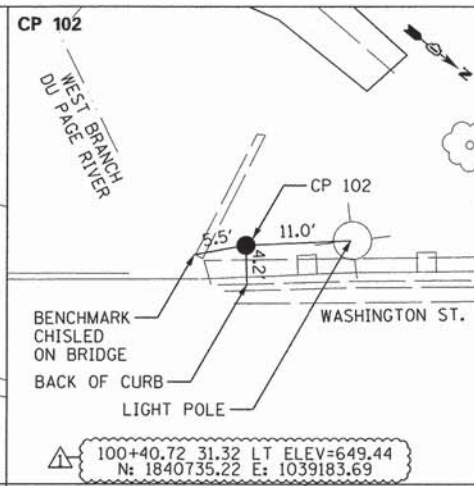
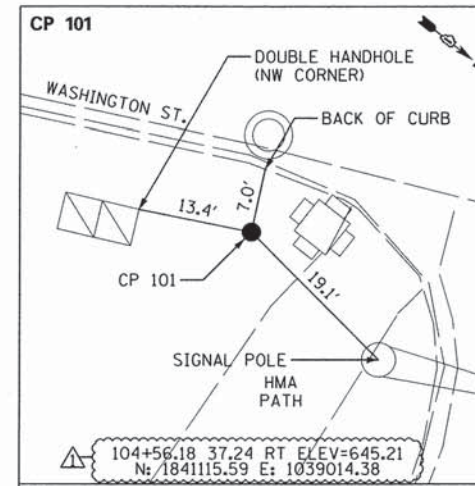
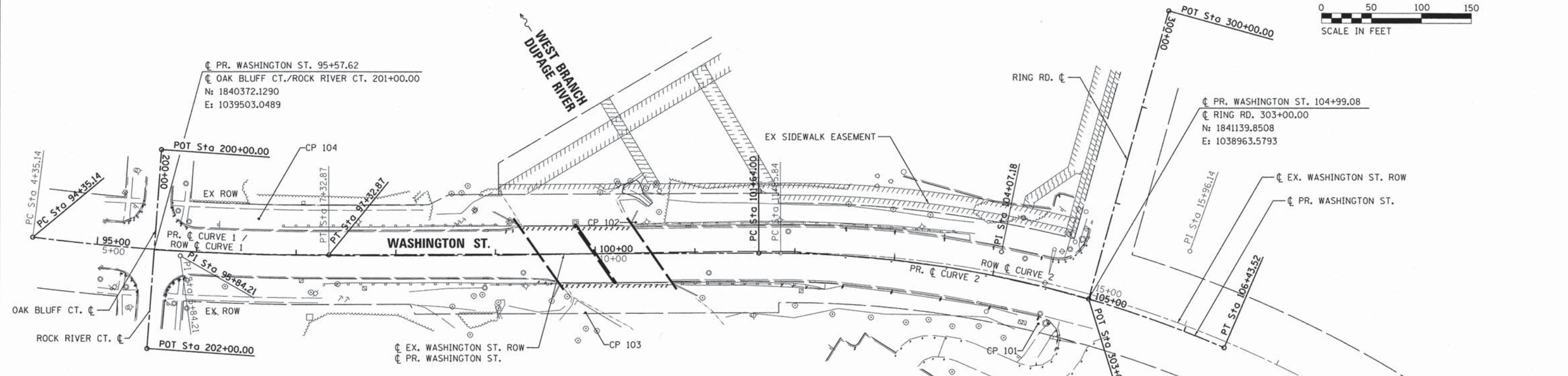
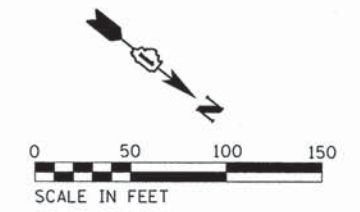


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EARTHWORK SCHEDULE AND EARTHWORK NOTES  
WASHINGTON STREET**  
SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 12
CONTRACT NO. 61C38			[ILLINOIS] FED. AID PROJECT DPC-M-400313561	



**SUPERELEVATION TABLE**

STATION	LEFT EOP ELEV	LEFT X-SLOPE	¢ ELEV	RIGHT X-SLOPE	RIGHT EOP ELEV
98+00.00	MATCH EXISTING ELEVATIONS AND CROSS SLOPES				
98+25.00	653.83	-2.00%	654.30	-1.45%	653.96
98+50.00	653.36	-2.00%	653.83	-2.00%	653.36
98+75.00	652.94	-2.00%	653.40	-2.00%	652.94
99+00.00	652.54	-2.00%	653.01	-2.00%	652.54
99+25.00	BRIDGE	BRIDGE	652.62	-2.00%	652.13
99+50.00	BRIDGE	BRIDGE	652.23	-2.00%	651.71
99+75.00	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE
100+00.00	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE
100+25.00	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE
100+50.00	650.15	-2.00%	650.67	BRIDGE	BRIDGE
100+75.00	649.87	-1.60%	650.28	BRIDGE	BRIDGE
101+00.00	649.71	-0.72%	649.87	-2.00%	649.36
101+25.00	649.54	0.16%	649.50	-2.50%	648.84
101+50.00	649.38	1.04%	649.11	-3.00%	648.32
101+75.00	649.22	-2.43%	648.72	-3.50%	647.79
102+00.00	MATCH EXISTING ELEVATIONS AND CROSS SLOPES				

**SUPERELEVATION NOTES:**

- THIS IMPROVEMENT INTENDS TO MATCH THE EXISTING SUPERELEVATION OF WASHINGTON STREET, WHILE PROVIDING A PROFILE ADJUSTMENT TO ACCOMMODATE A NEW WEARING SURFACE ON THE BRIDGE. THIS INCLUDES MATCHING THE EXISTING ELEVATION AND CROSS SLOPE AT STATIONS 98+00 AND 102+00, AND MAINTAINING THE EXISTING SUPERELEVATION ON THE RESURFACED APPROACHES TO THE BRIDGE. THE TABLE AT LEFT IS PROVIDED AT GUIDANCE TO ACHIEVE THIS INTENT.
- FOR PAVEMENT ELEVATIONS AND CROSS SLOPES ON THE BRIDGE, THE STRUCTURAL PLANS SHALL GOVERN.
- NAPERVILLE SURVEY MONUMENT #233 IS LOCATED ALONG WEST SIDE OF WASHINGTON STREET, SOUTH OF 87TH STREET. SEE THE FOLLOWING WEBSITE FOR ADDITIONAL INFORMATION: WWW.NAPERVILLE.IL.IS/SURVEYMONUMENTS.ASPX

**PROPOSED WASHINGTON STREET CENTERLINE**

REFERENCE POINT	STATION	NORTHING	EASTING
PROP. ¢ CURVE 1 - PC	94+35.14	1840268.8507	1039568.8581
PROP. ¢ CURVE 1 - PI	95+84.21	1840396.6688	1039492.1398
PROP. ¢ CURVE 1 - PT	97+32.87	1840513.4724	1039399.5111
PROP. ¢ CURVE 2 - PC	101+64.00	1840851.2772	1039131.6221
PROP. ¢ CURVE 2 - PI	104+07.18	1841041.8090	1038980.5248
PROP. ¢ CURVE 2 - PT	106+43.52	1841276.7619	1038917.8354

**EXISTING BENCHMARKS**

LOCATION	ELEVATION
CUT SQUARE "□" NW CORNER OF BRIDGE	650.14
CUT SQUARE "□" SE CORNER OF BRIDGE	651.20
NAPERVILLE SURVEY MONUMENT #233 N: 1843570.92 E: 1039522.68	646.77

**EXISTING WASHINGTON STREET ROW CENTERLINE**

REFERENCE POINT	STATION	NORTHING	EASTING
ROW ¢ CURVE 1 - PC	4+35.14	1840268.8507	1039568.8581
ROW ¢ CURVE 1 - PI	5+84.21	1840396.6688	1039492.1398
ROW ¢ CURVE 1 - PT	7+32.87	1840513.4724	1039399.5111
ROW ¢ CURVE 2 - PC	11+85.84	1840868.3876	1039118.0530
ROW ¢ CURVE 2 - PI	15+96.14	1841189.8702	1038863.1080
ROW ¢ CURVE 2 - PT	19+73.51	1841600.0843	1038871.6179

**PROPOSED WASHINGTON STREET CURVES**

PROP. ¢ CURVE 1	PROP. ¢ CURVE 2
PI STA. = 95+84.21	PI STA. = 104+07.18
Δ = 7° 26' 34" (LT)	Δ = 23° 28' 34" (RT)
D = 2° 29' 59"	D = 4° 53' 45"
R = 2,292.01'	R = 1,170.33'
T = 149.07'	T = 243.17'
L = 297.73'	L = 479.52'
E = 4.84'	E = 25.00'
e = 2.4%	e = 4.0%
T.R. = 65.45'	T.R. = 100.30'
S.E. RUN = 54.55'	S.E. RUN = 50.15'
P.C. STA. = 94+35.14	P.C. STA. = 101+64.00
P.T. STA. = 97+32.87	P.T. STA. = 106+43.52

**EXISTING RIGHT-OF-WAY CURVES**

ROW ¢ CURVE 1	ROW ¢ CURVE 2
PI STA. = 5+84.21	PI STA. = 15+96.14
Δ = 7° 26' 34" (LT)	Δ = 39° 36' 14" (RT)
D = 2° 29' 59"	D = 5° 01' 41"
R = 2,292.01'	R = 1,139.54'
T = 149.07'	T = 410.30'
L = 297.73'	L = 787.67'
E = 4.84'	E = 71.62'
P.C. STA. = 4+35.14	P.C. STA. = 11+85.84
P.T. STA. = 7+32.87	P.T. STA. = 19+73.51

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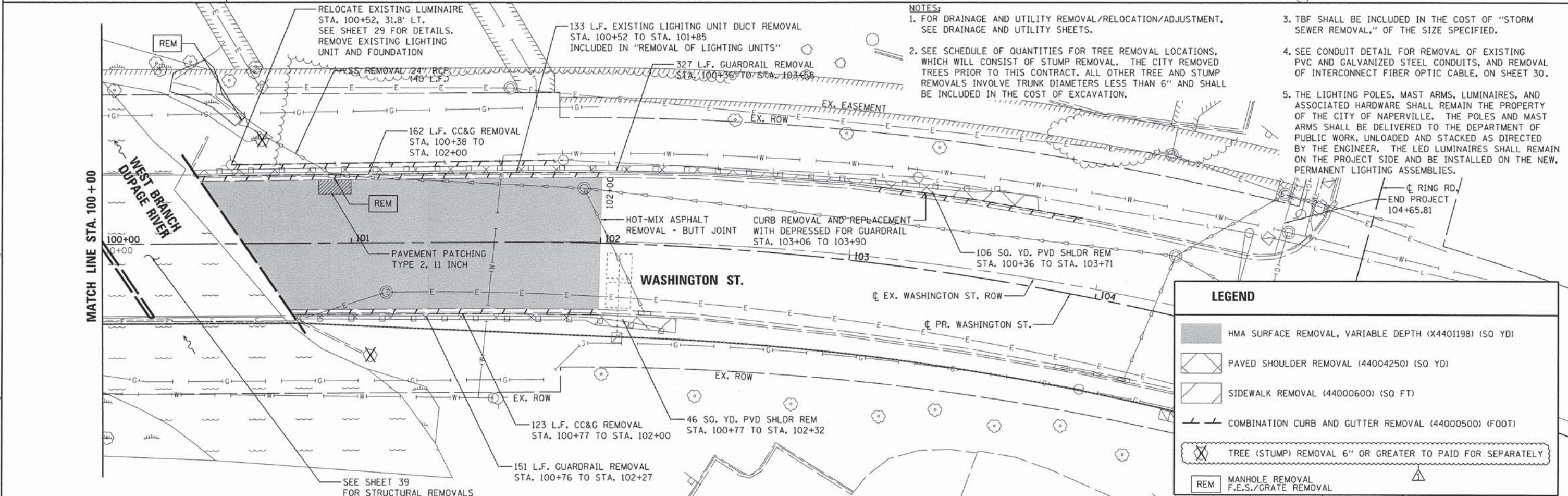
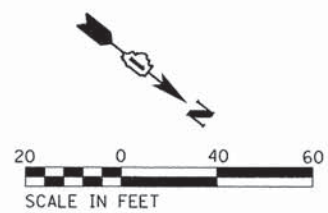
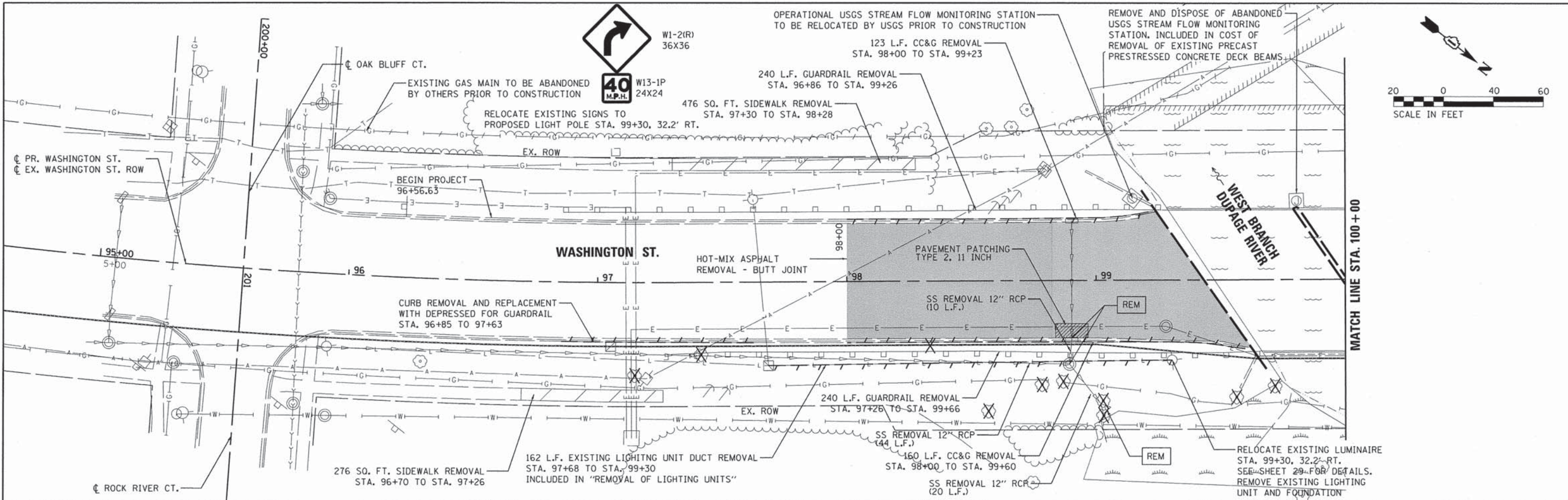
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES & BENCHMARKS  
WASHINGTON STREET

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 94+35.14 TO STA. 106+43.52

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	14-00161-00-BR	WILL	86	13
CONTRACT NO. 61C38				
ILLINOIS FED. AID PROJECT DPC-M-4003(356)				

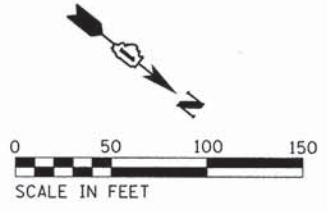
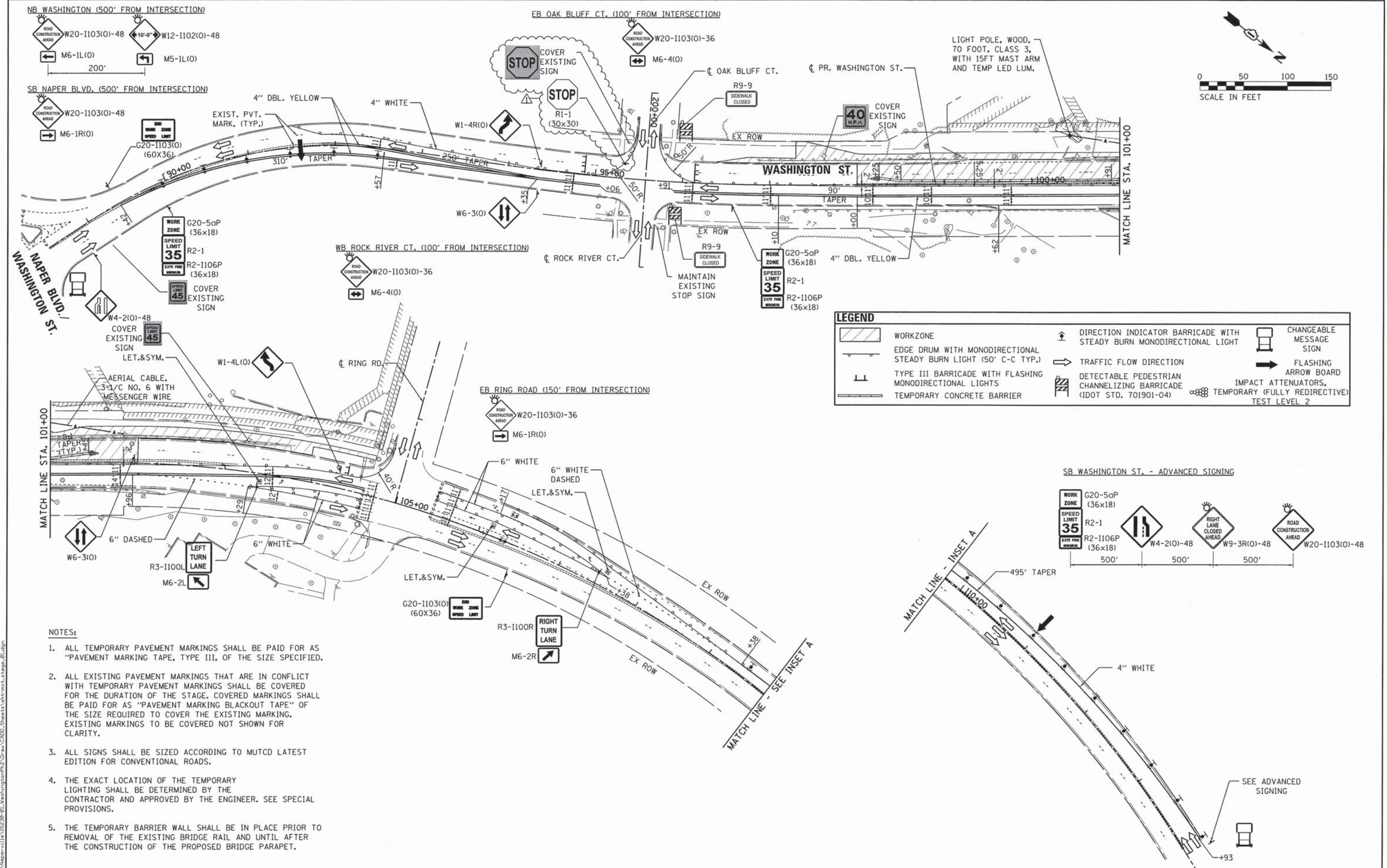


- NOTES:**
- FOR DRAINAGE AND UTILITY REMOVAL/RELOCATION/ADJUSTMENT, SEE DRAINAGE AND UTILITY SHEETS.
  - SEE SCHEDULE OF QUANTITIES FOR TREE REMOVAL LOCATIONS, WHICH WILL CONSIST OF STUMP REMOVAL. THE CITY REMOVED TREES PRIOR TO THIS CONTRACT. ALL OTHER TREE AND STUMP REMOVALS INVOLVE TRUNK DIAMETERS LESS THAN 6" AND SHALL BE INCLUDED IN THE COST OF EXCAVATION.
  - TBF SHALL BE INCLUDED IN THE COST OF "STORM SEWER REMOVAL," OF THE SIZE SPECIFIED.
  - SEE CONDUIT DETAIL FOR REMOVAL OF EXISTING PVC AND GALVANIZED STEEL CONDUITS, AND REMOVAL OF INTERCONNECT FIBER OPTIC CABLE, ON SHEET 30.
  - THE LIGHTING POLES, MAST ARMS, LUMINAIRES, AND ASSOCIATED HARDWARE SHALL REMAIN THE PROPERTY OF THE CITY OF NAPERVILLE. THE POLES AND MAST ARMS SHALL BE DELIVERED TO THE DEPARTMENT OF PUBLIC WORK, UNLOADED AND STACKED AS DIRECTED BY THE ENGINEER. THE LED LUMINAIRES SHALL REMAIN ON THE PROJECT SIDE AND BE INSTALLED ON THE NEW, PERMANENT LIGHTING ASSEMBLIES.

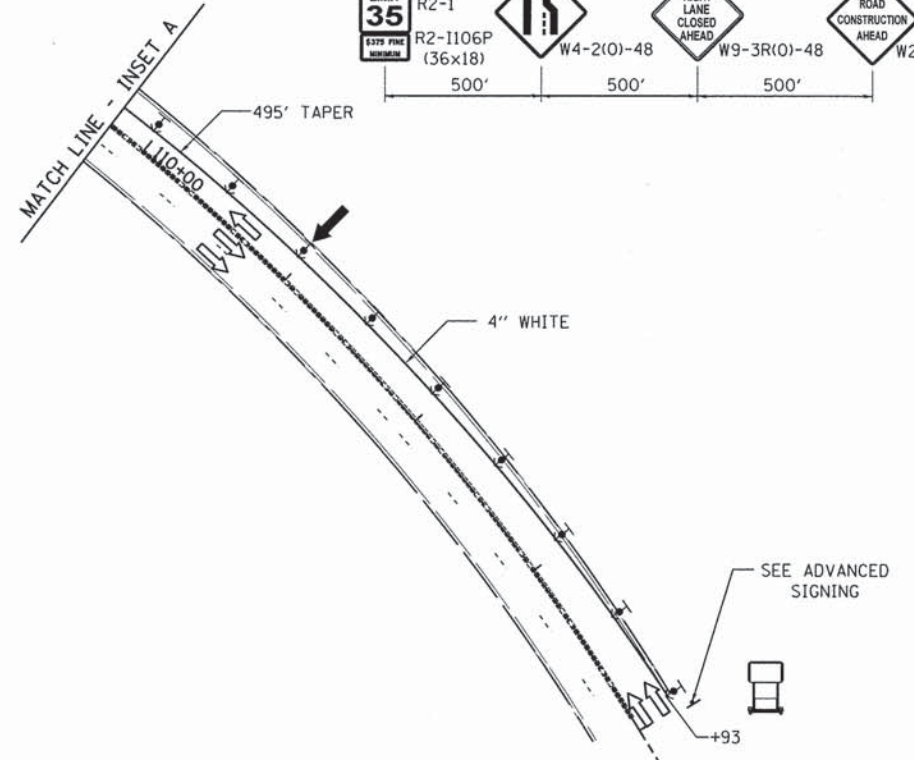
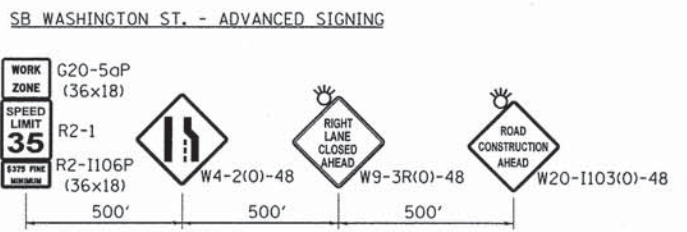
LEGEND	
	HMA SURFACE REMOVAL, VARIABLE DEPTH (X4401198) (SO YD)
	PAVED SHOULDER REMOVAL (44004250) (SO YD)
	SIDEWALK REMOVAL (44000600) (SO FT)
	COMBINATION CURB AND GUTTER REMOVAL (44000500) (FOOT)
	TREE (STUMP) REMOVAL 6" OR GREATER TO PAID FOR SEPARATELY
	MANHOLE REMOVAL F.E.S./GRATE REMOVAL

	USER NAME = Peter Ross	DESIGNED - JR	REVISED - 2/12/2016	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVAL PLAN</b> <b>WASHINGTON STREET</b>	F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 14			
	PLOT SCALE = 20,0000 1" = 100'	CHECKED - PR	REVISED -			SCALE: 1"=20'	SHEET 1 OF 1 SHEETS	STA. 94+35.14	TO STA. 106+43.52	CONTRACT NO. 61C38			
	PLOT DATE = 2/12/2016 3:37:36 PM	DATE - 12/7/2015	REVISED -				ILLINOIS FED. AID PROJECT DPC-M-40033561						

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LEGEND			
	WORKZONE		DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	EDGE DRUM WITH MONODIRECTIONAL STEADY BURN LIGHT (50' C-C TYP.)		TRAFFIC FLOW DIRECTION
	TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS		DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE (DOT STD. 701901-04)
	TEMPORARY CONCRETE BARRIER		CHANGEABLE MESSAGE SIGN
			FLASHING ARROW BOARD
			IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE) TEST LEVEL 2



- NOTES:**
- ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAID FOR AS "PAVEMENT MARKING TAPE, TYPE III, OF THE SIZE SPECIFIED.
  - ALL EXISTING PAVEMENT MARKINGS THAT ARE IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS SHALL BE COVERED FOR THE DURATION OF THE STAGE. COVERED MARKINGS SHALL BE PAID FOR AS "PAVEMENT MARKING BLACKOUT TAPE" OF THE SIZE REQUIRED TO COVER THE EXISTING MARKING. EXISTING MARKINGS TO BE COVERED NOT SHOWN FOR CLARITY.
  - ALL SIGNS SHALL BE SIZED ACCORDING TO MUTCD LATEST EDITION FOR CONVENTIONAL ROADS.
  - THE EXACT LOCATION OF THE TEMPORARY LIGHTING SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. SEE SPECIAL PROVISIONS.
  - THE TEMPORARY BARRIER WALL SHALL BE IN PLACE PRIOR TO REMOVAL OF THE EXISTING BRIDGE RAIL AND UNTIL AFTER THE CONSTRUCTION OF THE PROPOSED BRIDGE PARAPET.

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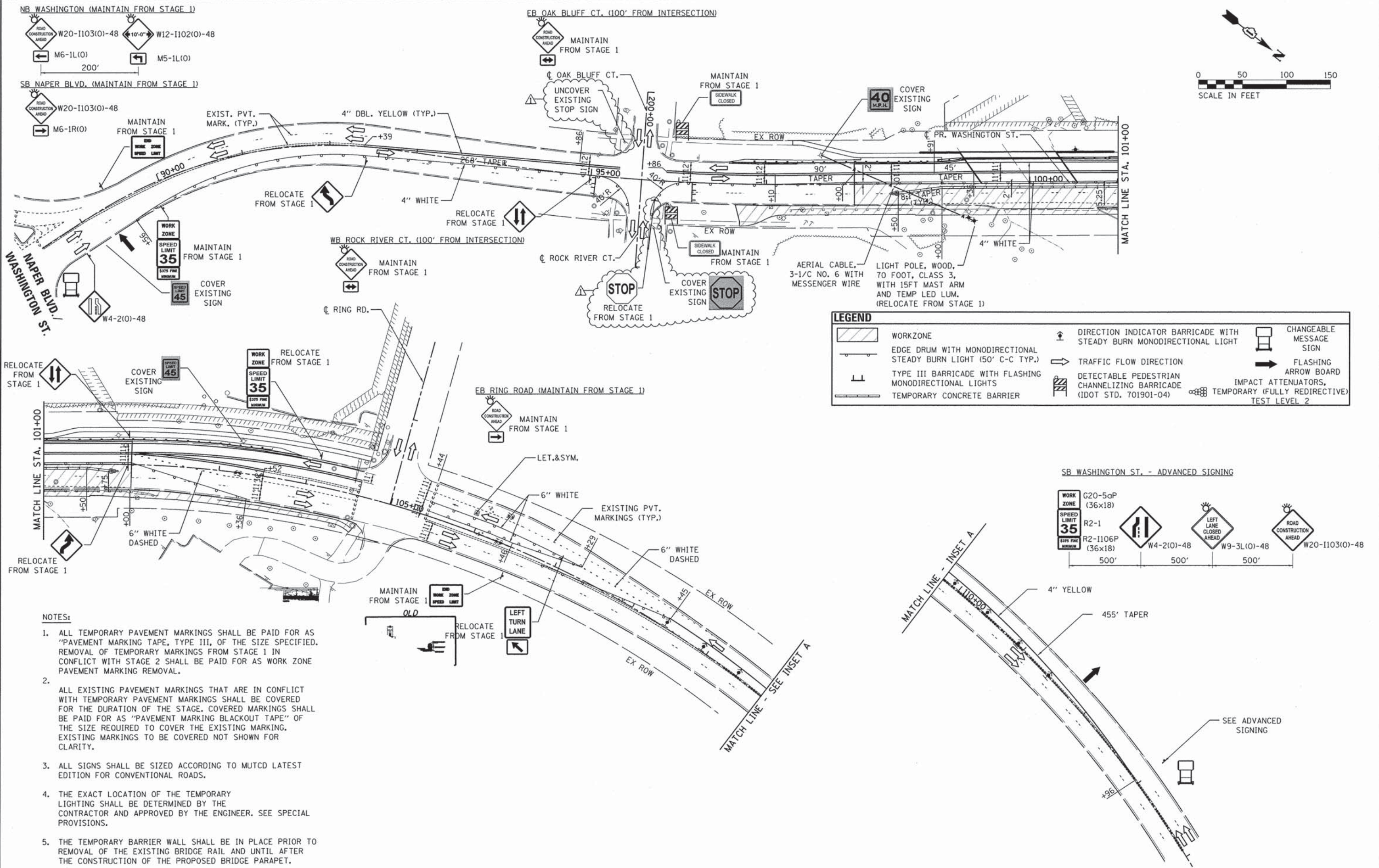
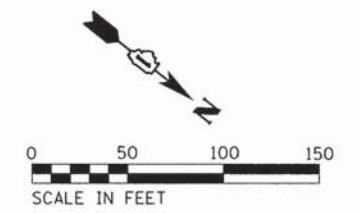


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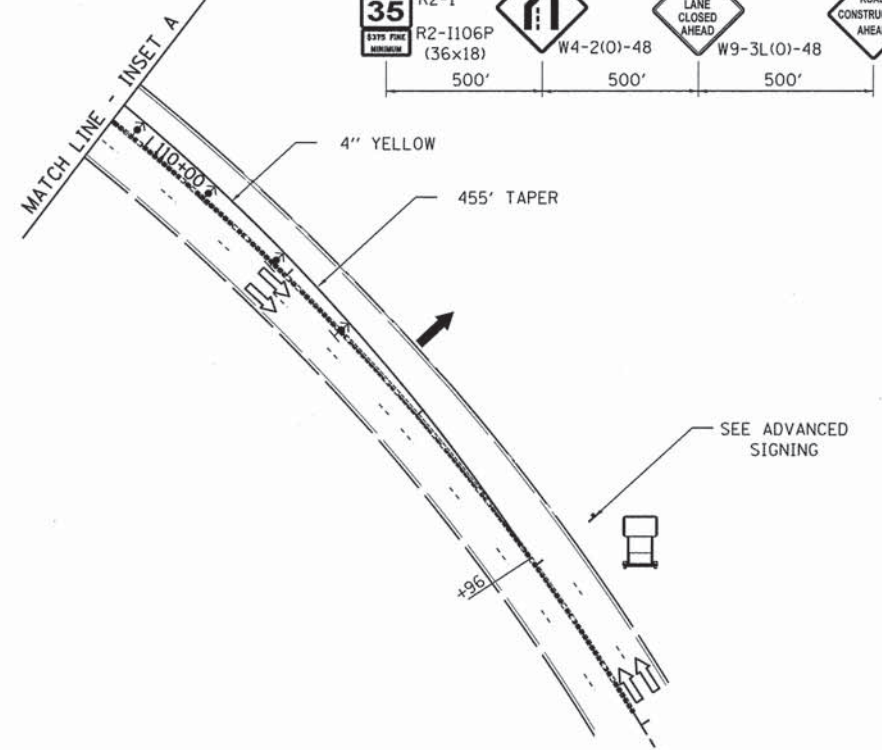
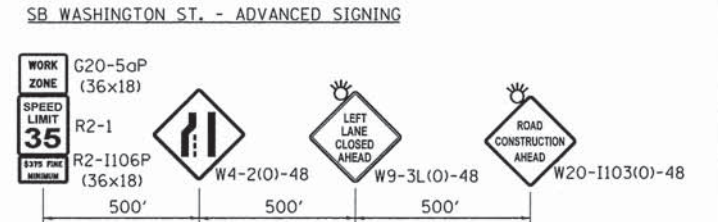
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL			
STAGE 1			
SCALE: 1"=50'	SHEET 2	OF 3 SHEETS	STA. Station From TO STA. Station To

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	14-00161-00-BR	WILL	86	19
CONTRACT NO. 61C38				
ILLINOIS FED. AID PROJECT DPC-M-4003(356)				



LEGEND			
	WORKZONE		DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	EDGE DRUM WITH MONODIRECTIONAL STEADY BURN LIGHT (50' C-C TYP.)		TRAFFIC FLOW DIRECTION
	TYPE III BARRICADE WITH FLASHING MONODIRECTIONAL LIGHTS		DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE (IDOT STD. 701901-04)
	TEMPORARY CONCRETE BARRIER		CHANGEABLE MESSAGE SIGN
			FLASHING ARROW BOARD
			IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE) TEST LEVEL 2



- NOTES:
1. ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAID FOR AS "PAVEMENT MARKING TAPE, TYPE III, OF THE SIZE SPECIFIED. REMOVAL OF TEMPORARY MARKINGS FROM STAGE 1 IN CONFLICT WITH STAGE 2 SHALL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL.
  2. ALL EXISTING PAVEMENT MARKINGS THAT ARE IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS SHALL BE COVERED FOR THE DURATION OF THE STAGE. COVERED MARKINGS SHALL BE PAID FOR AS "PAVEMENT MARKING BLACKOUT TAPE" OF THE SIZE REQUIRED TO COVER THE EXISTING MARKING. EXISTING MARKINGS TO BE COVERED NOT SHOWN FOR CLARITY.
  3. ALL SIGNS SHALL BE SIZED ACCORDING TO MUTCD LATEST EDITION FOR CONVENTIONAL ROADS.
  4. THE EXACT LOCATION OF THE TEMPORARY LIGHTING SHALL BE DETERMINED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. SEE SPECIAL PROVISIONS.
  5. THE TEMPORARY BARRIER WALL SHALL BE IN PLACE PRIOR TO REMOVAL OF THE EXISTING BRIDGE RAIL AND UNTIL AFTER THE CONSTRUCTION OF THE PROPOSED BRIDGE PARAPET.

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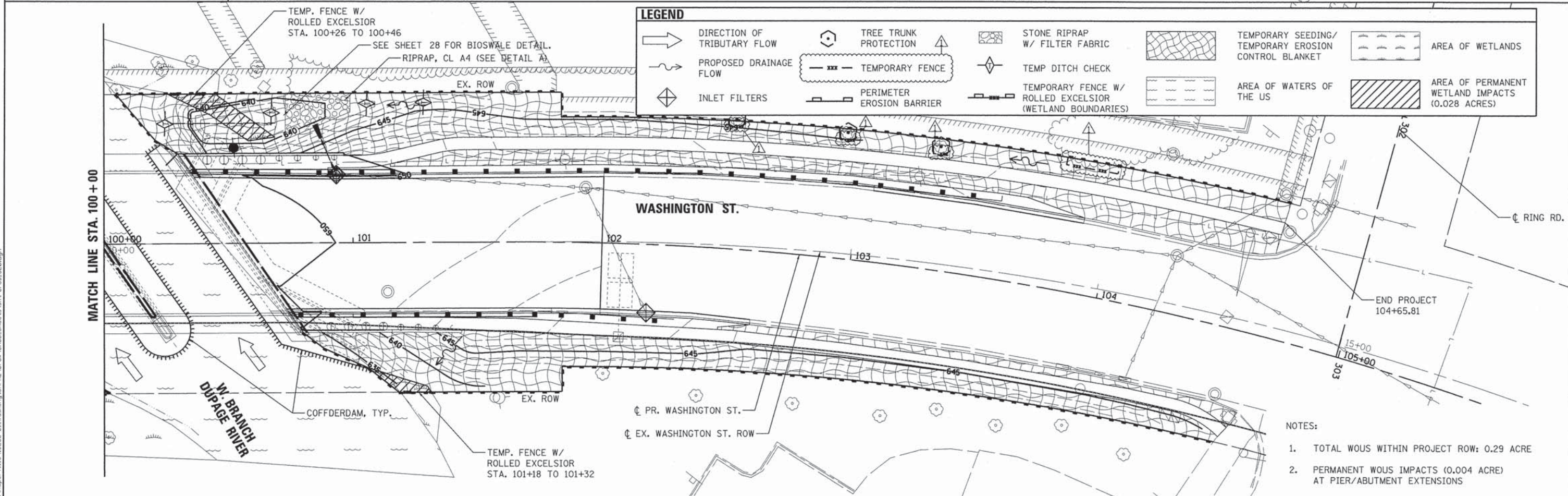
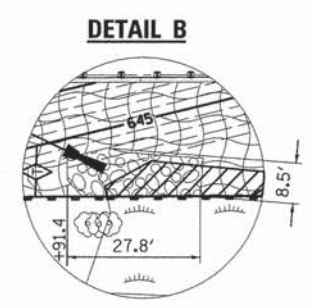
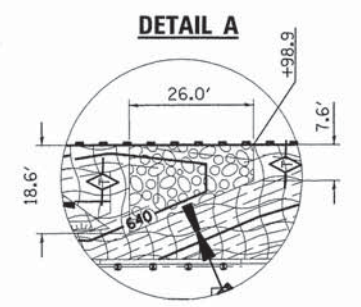
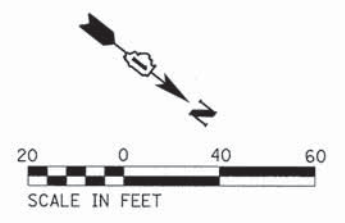
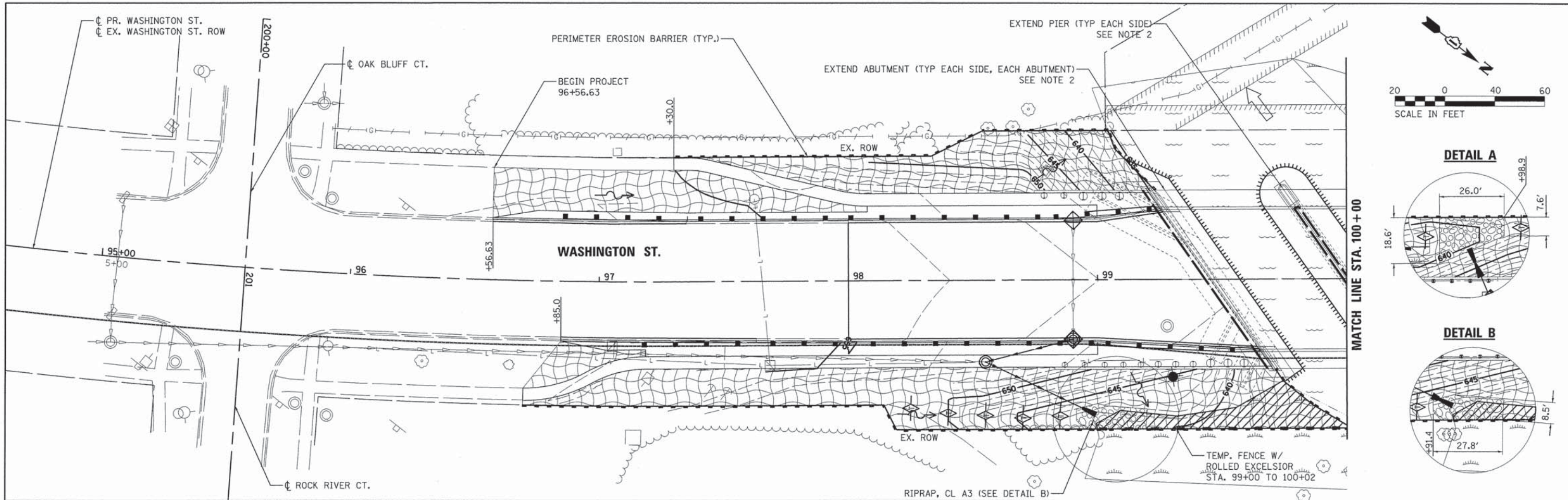


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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION & TRAFFIC CONTROL			
STAGE 2			
SCALE: 1"=50'	SHEET 3	OF 3 SHEETS	STA. Station From TO STA. Station To

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	14-00161-00-BR	WILL	86	20
CONTRACT NO. 61C38				
ILLINOIS FED. AID PROJECT DPC-M-4003356				



LEGEND			
	DIRECTION OF TRIBUTARY FLOW		TREE TRUNK PROTECTION
	PROPOSED DRAINAGE FLOW		TEMPORARY FENCE
	INLET FILTERS		PERIMETER EROSION BARRIER
	STONE RIPRAP W/ FILTER FABRIC		TEMP DITCH CHECK
	TEMPORARY SEEDING/ TEMPORARY EROSION CONTROL BLANKET		TEMPORARY FENCE W/ ROLLED EXCELSIOR (WETLAND BOUNDARIES)
	AREA OF WATERS OF THE US		AREA OF PERMANENT WETLAND IMPACTS (0.028 ACRES)
	AREA OF WETLANDS		

- NOTES:
- TOTAL WOUS WITHIN PROJECT ROW: 0.29 ACRE
  - PERMANENT WOUS IMPACTS (0.004 ACRE) AT PIER/ABUTMENT EXTENSIONS

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

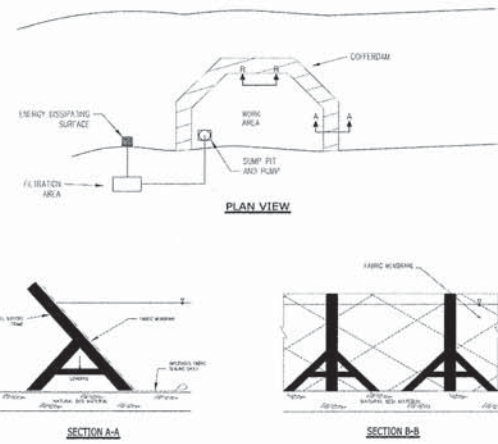
SOIL EROSION AND SEDIMENT CONTROL  
WASHINGTON STREET

SCALE: 1"=20' SHEET 2 OF 5 SHEETS STA. 94+35.14 TO STA. 106+43.52

F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 22
CONTRACT NO. 61C38				ILLINOIS FED. AID PROJECT OPC-M-40033561



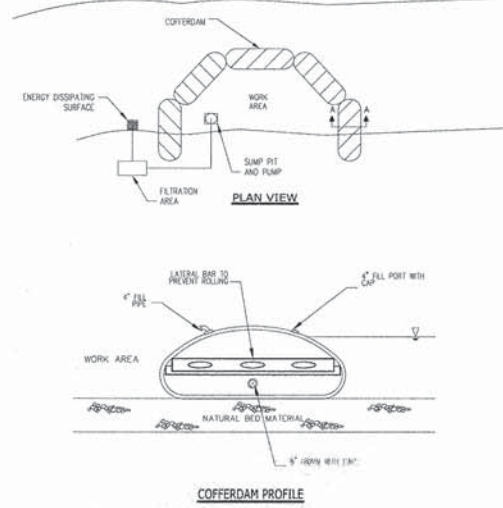
### A-FRAME PARTIAL COFFERDAM



- NOTES:**
1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.
  2. LOCATIONS FOR SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.
  3. A-FRAME SHOULD BE INSTALLED TO MANUFACTURER'S SPECIFICATIONS.

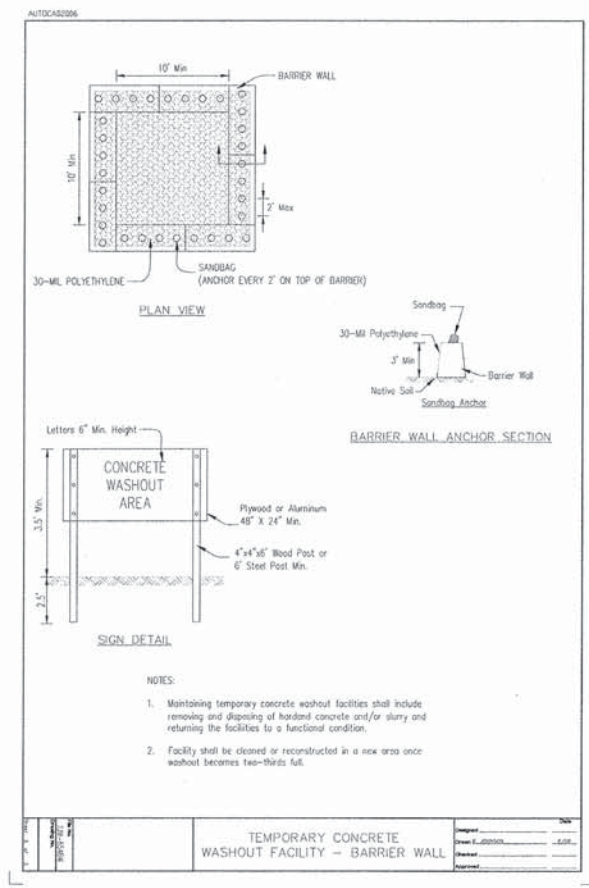
REFERENCE Project	_____	DATE	_____	STANDARD DIV. NO.	ILM-503AP
Designed	_____	Date	_____	SHEET	2 OF 7
Checked	_____	Date	_____	DATE	7-09-2016
Approved	_____	Date	_____		

### BLADDER PARTIAL COFFERDAM



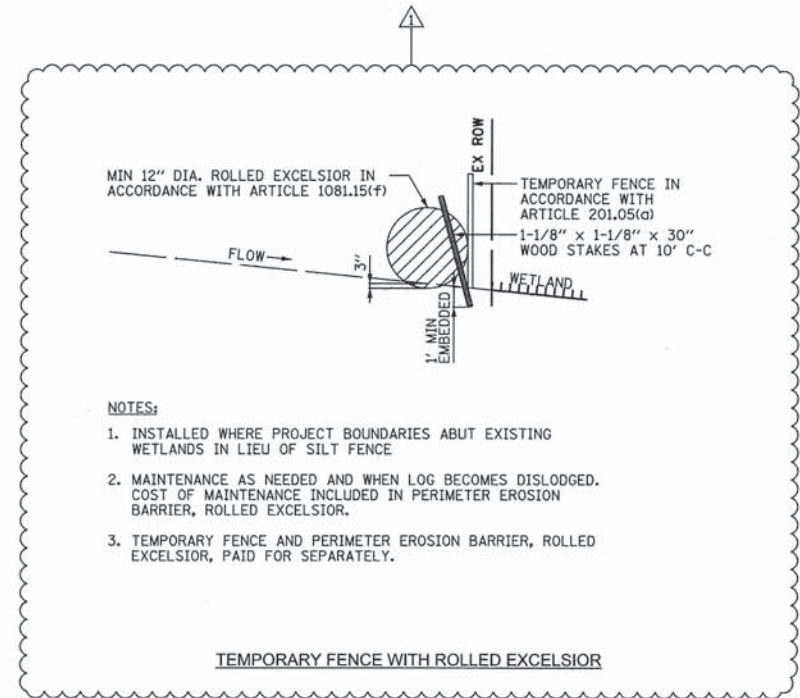
- NOTES:**
1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES.
  2. LOCATIONS FOR THE SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.

REFERENCE Project	_____	DATE	_____	STANDARD DIV. NO.	ILM-503BP
Designed	_____	Date	_____	SHEET	4 OF 7
Checked	_____	Date	_____	DATE	7-09-2016
Approved	_____	Date	_____		



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

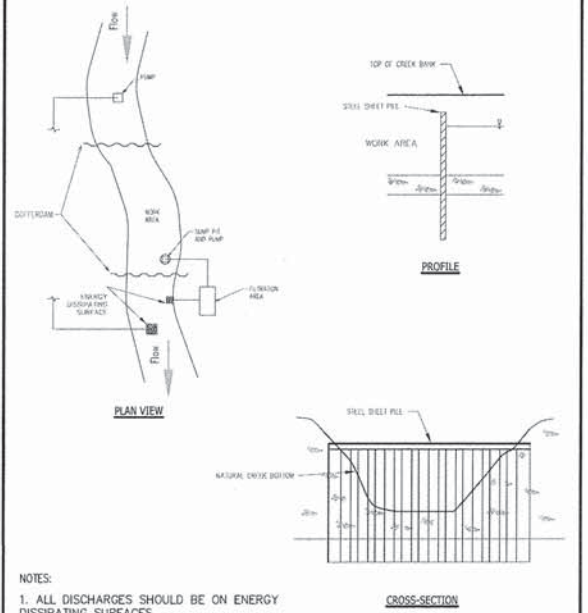
TEMPORARY CONCRETE WASHOUT FACILITY - BARRIER WALL	Project	_____
	Designed	_____
	Checked	_____
	Approved	_____



- NOTES:**
1. INSTALLED WHERE PROJECT BOUNDARIES ABUT EXISTING WETLANDS IN LIEU OF SILT FENCE
  2. MAINTENANCE AS NEEDED AND WHEN LOG BECOMES DISLOGGED. COST OF MAINTENANCE INCLUDED IN PERIMETER EROSION BARRIER, ROLLED EXCELSIOR.
  3. TEMPORARY FENCE AND PERIMETER EROSION BARRIER, ROLLED EXCELSIOR, PAID FOR SEPARATELY.

TEMPORARY FENCE WITH ROLLED EXCELSIOR

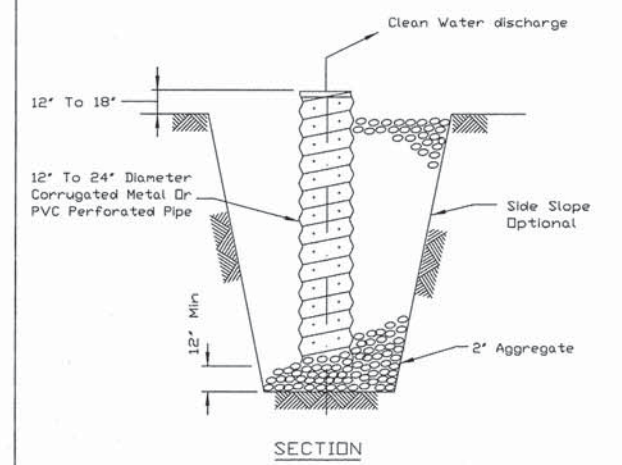
### STEEL SHEET PILE COFFERDAM



- NOTES:**
1. ALL DISCHARGES SHOULD BE ON ENERGY DISSIPATING SURFACES
  2. LOCATION FOR SUMP PIT, FILTRATION AREA, AND ENERGY DISSIPATING SURFACES MAY VARY DEPENDING ON SITE CONDITIONS.

REFERENCE Project	_____	DATE	_____	STANDARD DIV. NO.	ILM-503SS
Designed	_____	Date	_____	SHEET	7 OF 7
Checked	_____	Date	_____	DATE	7-09-2016
Approved	_____	Date	_____		

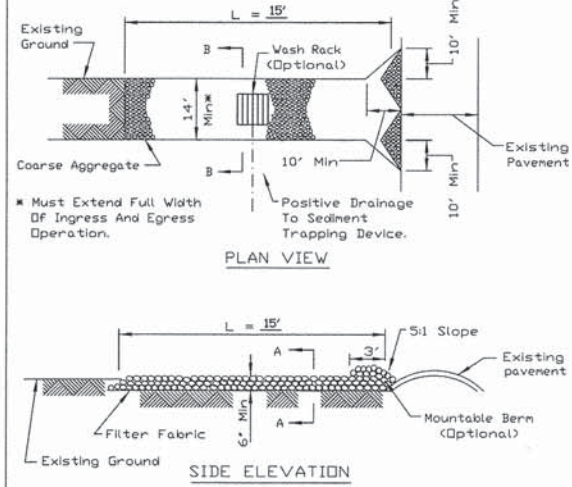
### SUMP PIT PLAN



- NOTES:**
1. Pit dimensions are optional.
  2. The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
  3. A base of 2' aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2' aggregate.
  4. The standpipe will extend 12" to 18" above the lip of the pit.
  5. If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with filter fabric before installation.
  6. If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

REFERENCE Project	_____	DATE	_____	STANDARD DIV. NO.	IL-650
Designed	_____	Date	_____	SHEET	1 OF 1
Checked	_____	Date	_____	DATE	8-11-14
Approved	_____	Date	_____		

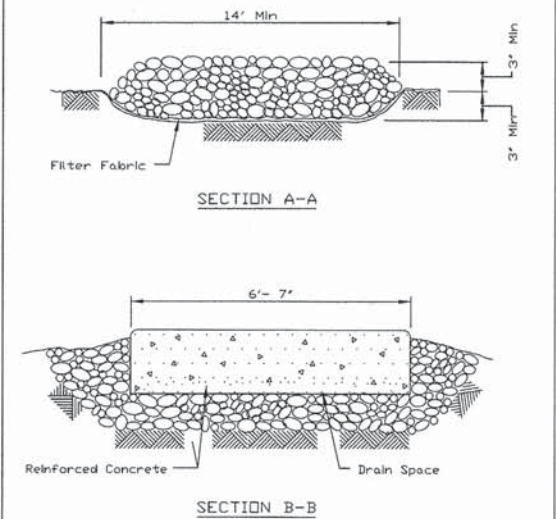
### STABILIZED CONSTRUCTION ENTRANCE PLAN



- NOTES:**
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
  2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
  3. Any drainage facilities required because of washing shall be constructed according to manufacturer's specifications.
  4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE Project	_____	DATE	_____	STANDARD DIV. NO.	IL-630
Designed	_____	Date	_____	SHEET	1 OF 2
Checked	_____	Date	_____	DATE	8-18-14
Approved	_____	Date	_____		

### STABILIZED CONSTRUCTION ENTRANCE PLAN



REFERENCE Project	_____	DATE	_____	STANDARD DIV. NO.	IL-630
Designed	_____	Date	_____	SHEET	2 OF 2
Checked	_____	Date	_____	DATE	8-18-14
Approved	_____	Date	_____		



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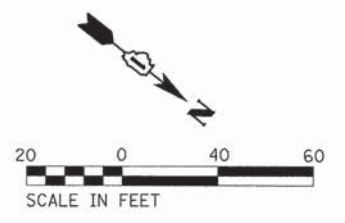
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S. SHEET 4 OF 5 SHEETS STA. TO STA.

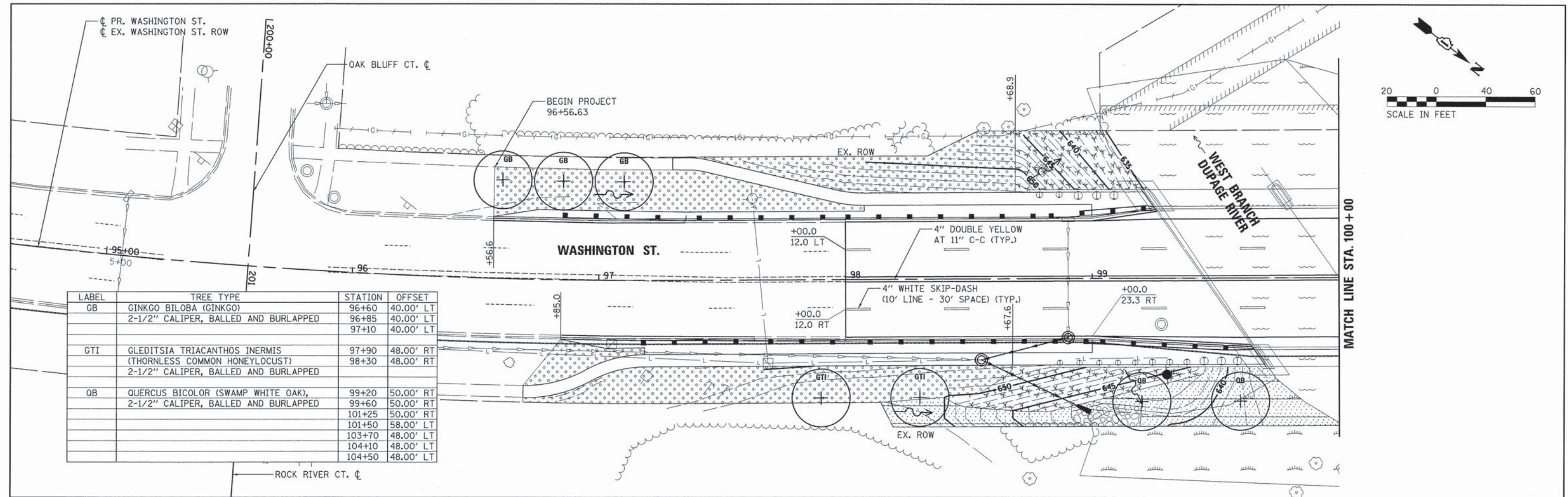
SOIL EROSION AND SEDIMENT CONTROL  
STANDARD DETAILS  
WASHINGTON STREET

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 61C38				
ILLINOIS FED. AID PROJECT OPC-M-4003(356)				

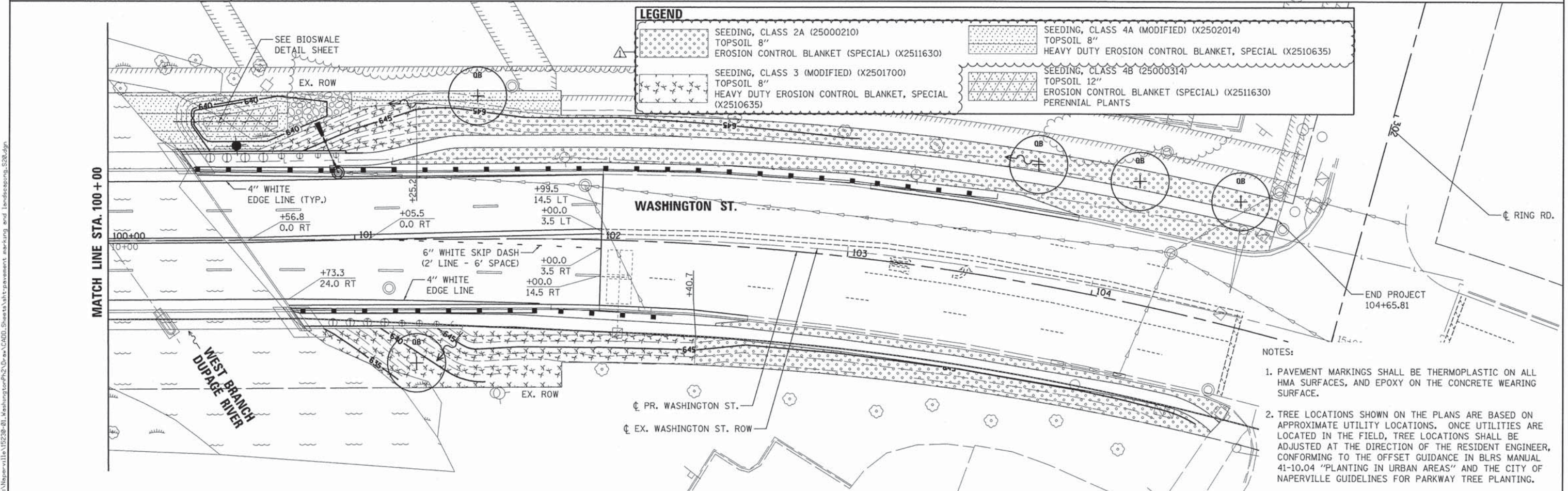
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LABEL	TREE TYPE	STATION	OFFSET
GB	GINKGO BILOBA (GINKGO) 2-1/2" CALIPER, BALLED AND BURLAPPED	96+60 96+85 97+10	40.00' LT 40.00' LT 40.00' LT
GTI	GLEDTISIA TRIACANTHOS INERMIS (THORNLESS COMMON HONEYLOCUST) 2-1/2" CALIPER, BALLED AND BURLAPPED	97+90 98+30	48.00' RT 48.00' RT
QB	QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	99+20 99+60 101+25 101+50 103+70 104+10 104+50	50.00' RT 50.00' RT 50.00' RT 58.00' LT 48.00' LT 48.00' LT 48.00' LT



LEGEND	
	SEEDING, CLASS 2A (25000210) TOPSOIL 8" EROSION CONTROL BLANKET (SPECIAL) (X2511630)
	SEEDING, CLASS 3 (MODIFIED) (X2501700) TOPSOIL 8" HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL (X2510635)
	SEEDING, CLASS 4A (MODIFIED) (X2502014) TOPSOIL 8" HEAVY DUTY EROSION CONTROL BLANKET, SPECIAL (X2510635)
	SEEDING, CLASS 4B (25000314) TOPSOIL 12" EROSION CONTROL BLANKET (SPECIAL) (X2511630) PERENNIAL PLANTS



- NOTES:
- PAVEMENT MARKINGS SHALL BE THERMOPLASTIC ON ALL HMA SURFACES, AND EPOXY ON THE CONCRETE WEARING SURFACE.
  - TREE LOCATIONS SHOWN ON THE PLANS ARE BASED ON APPROXIMATE UTILITY LOCATIONS. ONCE UTILITIES ARE LOCATED IN THE FIELD, TREE LOCATIONS SHALL BE ADJUSTED AT THE DIRECTION OF THE RESIDENT ENGINEER, CONFORMING TO THE OFFSET GUIDANCE IN BLRS MANUAL 41-10.04 "PLANTING IN URBAN AREAS" AND THE CITY OF NAPERVILLE GUIDELINES FOR PARKWAY TREE PLANTING.

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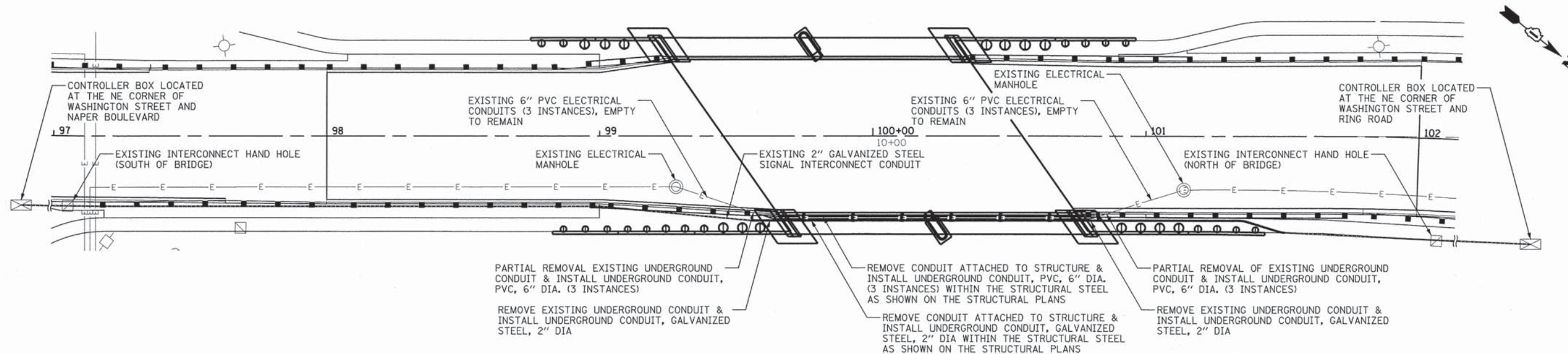


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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND LANDSCAPING  
WASHINGTON STREET  
SCALE: 1"=20'  
SHEET 1 OF 2 SHEETS STA. 94+35.14 TO STA. 106+43.52

F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 27
CONTRACT NO. 61C38				
ILLINOIS FED. AID PROJECT DPC-M-4003(356)				



**SIGNAL CONDUIT NOTES**

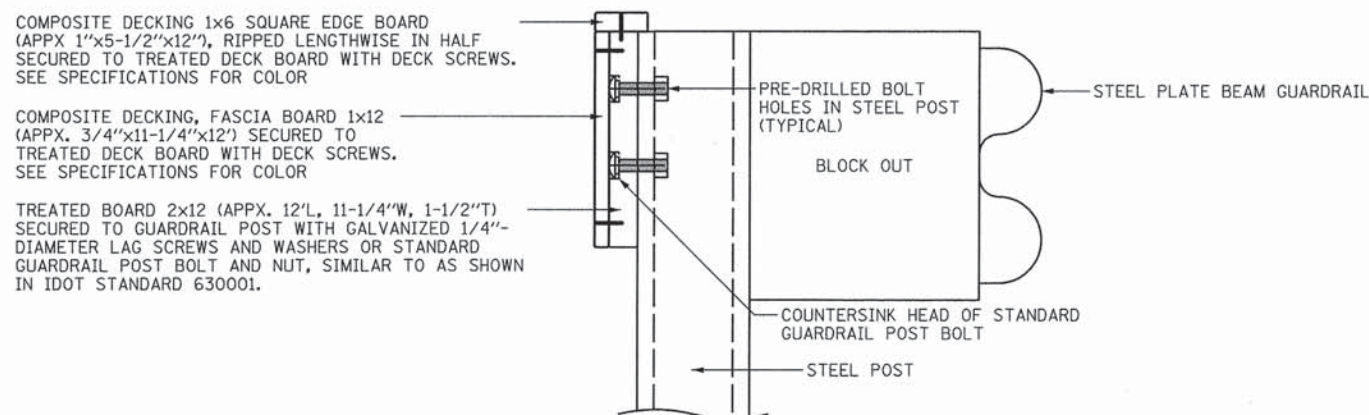
1. REMOVE EXISTING INTERCONNECT FIBER OPTIC CABLE FROM THE RING ROAD CONTROLLER BOX TO THE INTERCONNECT HAND HOLE SOUTH OF THE BRIDGE. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE FIBER OPTIC CABLE DURING CONSTRUCTION. DAMAGED TO THE EXISTING INTERCONNECT FIBER OPTIC CABLE WILL BE ADDRESSED BY THE CONTRACTOR AT NO ADDITIONAL COMPENSATION TO THE CONTRACTOR.
2. INSTALL TEMPORARY TRAFFIC SIGNAL INTERCONNECT, EITHER WIRED USING EXISTING INTERCONNECT FIBER OPTIC CABLE OR WIRELESS, PER THE PROJECT SPECIFICATIONS (TO BE PAID FOR AS TEMPORARY TRAFFIC SIGNAL INTERCONNECT).
3. REMOVE A SUFFICIENT AMOUNT OF EXISTING CONDUIT FROM BELOW THE EMBANKMENT (TO BE PAID FOR AS REMOVE EXISTING UNDERGROUND CONDUIT) TO FACILITE CONDUIT RELOCATION.
4. REMOVE THE EXISTING 2" GALVANIZED STEEL CONDUIT FROM THE BRIDGE (INCLUDED IN COST OF REMOVAL OF EXISTING PRECAST PRESTRESSED CONCRETE DECK BEAMS), WHICH EXTENDS FROM WING WALL TO WING WALL. EXPOSE CONDUIT FROM BELOW THE EMBANKMENT ON THE OPPOSITE SIDE OF THE WING WALLS TO A DISTANCE SUFFICIENT TO REALIGN THE CONDUIT INTO THE PROPOSED LOCATION, AND TO AVOID CONFLICT WITH THE PROPOSED NORTHEAST RETAINING WALL PILES.

5. THE STRUCTURAL PLANS INCLUDE AN OPENING TO ACCOMODATE THE PROPOSED SIGNAL INTERCONNECT CONDUIT THROUGH THE PROPOSED ABUTMENT AND PIER EXTENSIONS, AND TO HANG BELOW THE SECOND BEAM FROM THE EAST FASCIA AND PROTECTED WITH A STEEL PLATE. REFER TO THE STRUCTURAL PLANS FOR DETAILS.
6. LAY NEW CONDUIT IN EMBANKMENT BEHIND THE PROPOSED RETAINING WALL AND FEED NEW CONDUIT THROUGH ABUTMENTS AND PIER TO REST WITHIN THE STRUCTURAL STEEL (EACH TO BE PAID FOR AS UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.). FOLLOW CITY CONDUIT TRENCH STANDARD DETAIL. CONNECTIONS SHALL BE MADE TO THE EXISTING CONDUIT USING BENDS NOT TO EXCEED 18 INCHES IN RADIUS.
7. EXPANSION COUPLINGS SHALL BE INSTALLED NEAR EACH ABUTMENT. COST SHALL BE INCLUDED IN UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.).
8. WHEN THE PROPOSED SIGNAL CONDUIT IS IN PLACE, REINSTALL THE INTERCONNECT FIBER OPTIC CABLE (INCLUDED IN COST OF TEMPORARY TRAFFIC SIGNAL INTERCONNECT) AS DESCRIBED IN THE SPECIFICATIONS.

**ELECTRICAL CONDUIT NOTES**

1. REMOVE THE THREE EXISTING 6" PVC CONDUITS FROM THE BRIDGE, (INCLUDED IN COST OF REMOVAL OF EXISTING PRECAST PRESTRESSED CONCRETE DECK BEAMS) WHICH EXTENDS FROM WING WALL TO WING WALL. EXPOSE CONDUIT FROM BELOW THE EMBANKMENT ON THE OPPOSITE SIDE OF THE WING WALLS TO A DISTANCE SUFFICIENT TO REALIGN THE CONDUIT INTO THE PROPOSED LOCATION.
2. REMOVE A SUFFICIENT AMOUNT OF EXISTING CONDUIT FROM BELOW THE EMBANKMENT (TO BE PAID FOR AS REMOVE EXISTING UNDERGROUND CONDUIT) TO FACILITE CONDUIT RELOCATION.
3. THE STRUCTURAL PLANS INCLUDE OPENINGS TO ACCOMODATE THE PROPOSED 6" PVC CONDUITS THROUGH THE PROPOSED ABUTMENT AND PIER EXTENSIONS, AND STRUCTURAL STEEL TO SUPPORT AND PROTECT THE CONDUITS. REFER TO THE STRUCTURAL PLANS FOR DETAILS.
4. LAY NEW CONDUIT IN EMBANKMENT BEHIND THE PROPOSED RETAINING WALL AND FEED NEW CONDUIT THROUGH ABUTMENTS AND PIER TO REST WITHIN THE STRUCTURAL STEEL (TO BE PAID FOR AS UNDERGROUND CONDUIT, PVC, 6" DIA.). CONNECTIONS SHALL BE MADE TO THE EXISTING CONDUIT USING BENDS NOT TO EXCEED 48 INCHES IN RADIUS. THE TOTAL BENDS SHALL NOT EXCEED 180 DEGREES OF BEND. FOLLOW CITY CONDUIT TRENCH STANDARD DETAIL.
5. EXPANSION COUPLINGS SHALL BE INSTALLED NEAR EACH ABUTMENT. COST SHALL BE INCLUDED IN CONDUIT ATTACHED TO STRUCTURE, 6" DIA., PVC.
6. EXCEPT FOR EXPANSION COUPLINGS, PVC CONDUITS SHALL BE GLUED TOGETHER AT FACTORY BELL FITTINGS OR WITH CENTER STOP COUPLINGS WHEN FACTORY ENDS NEED TO BE CUT TO LENGTH, IN ORDER TO PREVENT SEPARATION, WHERE THE CONDUIT IS TO BE BURIED BELOW GROUND. WITHIN THE STRUCTURAL STEEL, CONDUITS ARE TO BE BUTT-FUSED IN A METHOD TO ALLOW PASSAGE THROUGH THE ABUTMENT AND PIER DURING CONSTRUCTION. BUTT-FUSION MUST BE PERFORMED BY TRAINED AND QUALIFIED PERSONNEL IN THAT PROCESS. (TO BE PAID FOR AS UNDERGROUND CONDUIT, PVC, 6" DIA.).
7. CONDUITS MUST BE MANDRELLED FROM MANHOLE TO MANHOLE WITH A FLEXIBLE MANDRELL NO SMALLER THAN 1/2-INCH LESS THAN THE INNER DIAMETER OF THE CONDUIT (INCLUDED IN THE COST OF THE UNDERGROUND CONDUIT, PVC, 6" DIA. AND CONDUIT ATTACHED TO STRUCTURE, 6" DIA., PVC).
8. A #12 COPPER MARKER CABLE AND A MULE TAPE MUST BE PULLED INTO AND LEFT IN EACH DUCT FROM MANHOLE TO MANHOLE AFTER MANDRELLING.
9. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO PROCURE THE MATERIALS (CONDUIT, COUPLINGS, MARKER CABLE AND MULE TAPE) FROM THE CITY OF NAPERVILLE, DEPARTMENT OF UTILITIES ELECTRIC. THE MATERIALS SHALL BE PICKED UP AND TRANSPORTED TO THE SITE BY THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE DELIVERY AND INSTALLATION ONLY OF THESE ITEMS IN THEIR UNIT COST.

**CONDUIT RELOCATION DETAIL**



**PEDESTRIAN RUB RAIL DETAIL**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY DETAILS  
WASHINGTON STREET**

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

F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 30
CONTRACT NO. 61C38				
ILLINOIS FED. AID PROJECT DPC-M-4003(356)				

**TOTAL BILL OF MATERIAL**

ITEM	DESCRIPTION	UNIT	SUPER	SUB	TOTAL
28100107	Stone Riprap, Class A4	Sq Yd		82	82
28200200	Filter Fabric	Sq Yd		82	82
50102400	Concrete Removal	Cu Yd		208.4	208.4
50104000	Bridge Rail Removal	Foot	219		219
50200100	Structure Excavation	Cu Yd		329.8	329.8
50200300	Cofferdam Excavation	Cu Yd		124.2	124.2
50201101	Cofferdam (Type 1) (Location - 1)	Each		1	1
50201102	Cofferdam (Type 1) (Location - 2)	Each		1	1
50201103	Cofferdam (Type 1) (Location - 3)	Each		1	1
50300225	Concrete Structures	Cu Yd		324.8	324.8
50300255	Concrete Superstructure	Cu Yd	62.1		62.1
50300260	Bridge Deck Grooving	Sq Yd	657		657
50300300	Protective Coat	Sq Yd	985		985
50400505	Precast Prestressed Concrete Deck Beams (27" Depth)	Sq Ft	2,625		2,625
50500105	Furnishing and Erecting Structural Steel	L Sum	1		1
50500505	Stud Shear Connectors	Each		493	493
50800205	Reinforcement Bars, Epoxy Coated	Pound	17,780	36,330	54,110
50800515	Bar Splicers	Each	110		110
50901720	Bicycle Railing	Foot	452		452
50901750	Parapet Railing	Foot	219		219
52000110	Preformed Joint Strip Seal	Foot	176		176
58700300	Concrete Sealer	Sq Ft		1,697	1,697
59000200	Epoxy Crack Injection	Foot		113	113
59100100	Geocomposite Wall Drain	Sq Yd		310	310
** X0320047	Removal of Existing Precast Prestressed Concrete Deck Beams	Sq Ft	875		875
* X0324455	Drilling and Setting Soldier Piles (In Soil)	Cu Ft		3,633	3,633
* X0324456	Drilling and Setting Soldier Piles (In Rock)	Cu Ft		796	796
* X5030305	Concrete Wearing Surface, 5"	Sq Yd	681		681
* X5860110	Granular Backfill For Structures	Cu Yd		198	198
** Z0004560	Bridge Wearing Surface Removal	Sq Yd		584	584
* Z0007118	Untreated Timber Lagging	Sq Ft		1,680	1,680
* Z0012754	Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft		36	36
** Z0018900	Drill and Grout Dowel Bars	Each		552	552
* Z0026404	Furnishing Soldier Piles (W Section)	Foot		814	814
* Z0046304	Pipe Underdrains for Structures, 4"	Foot		239	239
** Z0049790	Relocating Name Plates	Each	1		1

\* Guide Bridge Special Provision Item  
\*\* Special Provision Item

**GENERAL NOTES**

1. Calculated weight of Structural Steel = 7,010 lbs.
2. All structural steel shall conform to the requirements of AASHTO M 270 Grade 36, and shall be galvanized according to AASHTO M 111.
3. Reinforcement bars designated (E) shall be epoxy coated.
4. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
5. Elevations from existing plans have been revised according to NAVD 88 datum. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor shall be paid for the quantity actually furnished at the unit price bid for the work.

**INDEX OF SHEETS**

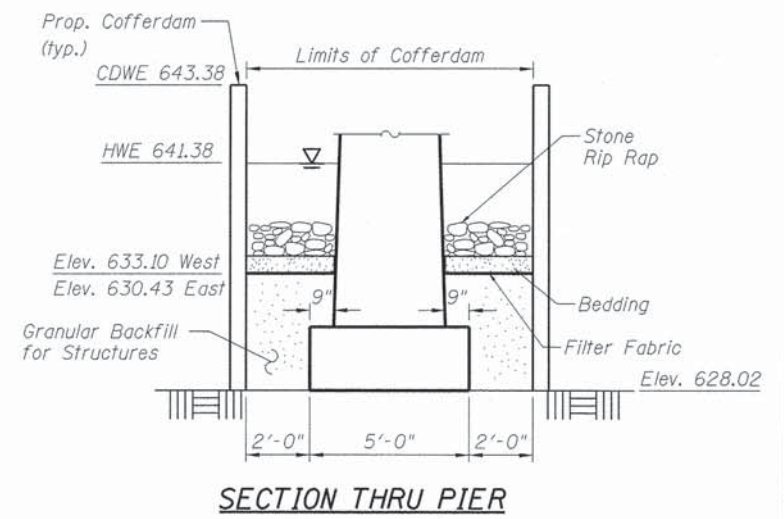
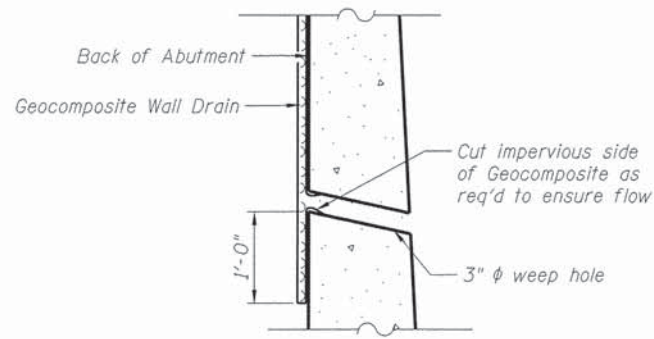
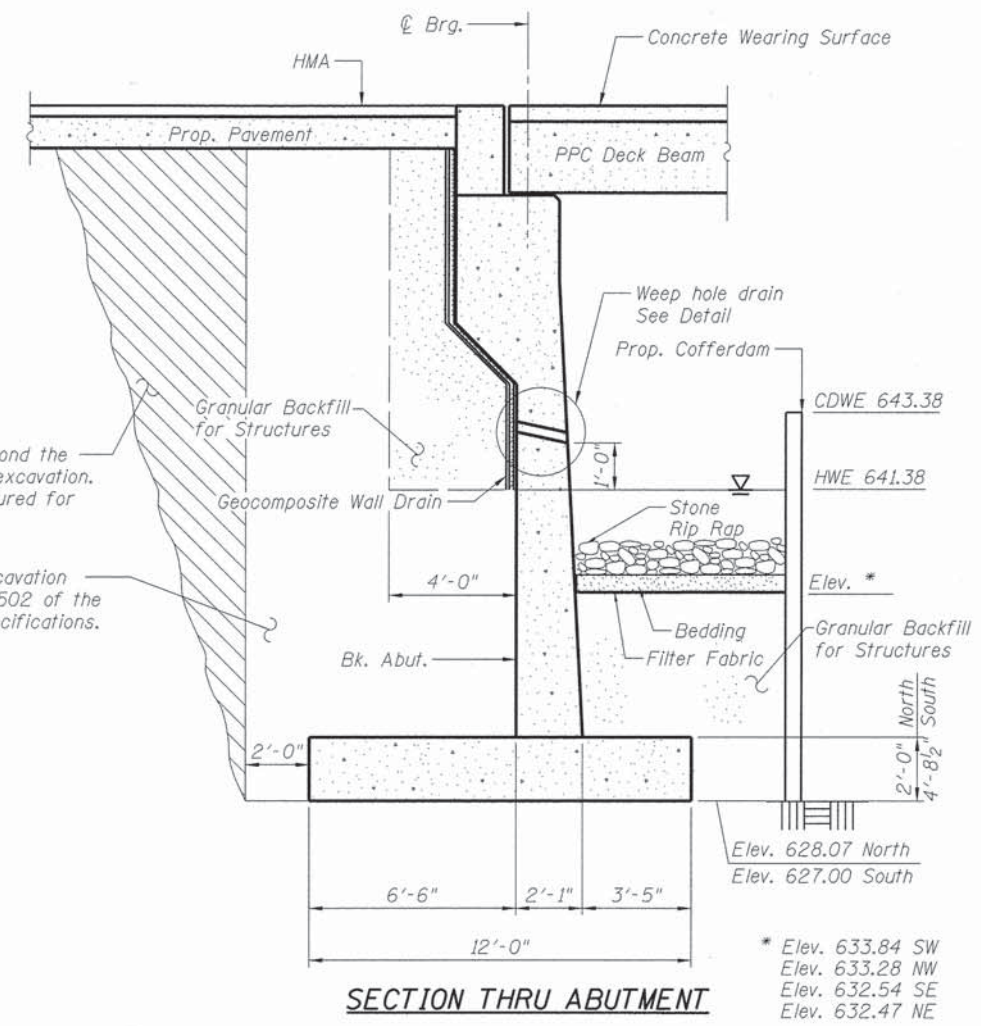
- S-1 General Plan
- S-2 General Notes & Bill of Material
- S-3 Substructure Layout
- S-4 Staging Details
- S-5 Deck Elevations - I
- S-6 Deck Elevations - II
- S-7 Deck Plan & Cross Section
- S-8 Superstructure Details - I
- S-9 Superstructure Details - II
- S-10 Superstructure Details - III
- S-11 27"x48" PPC Deck Beam Details - I
- S-12 27"x48" PPC Deck Beam Details - II
- S-13 Railing Details
- S-14 South Abutment
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- S-18 Pier Details
- S-19 Southeast Wall
- S-20 Northeast Wall
- S-21 Northwest Wall
- S-22 Southwest Wall
- S-23 Soldier Pile Wall Details - I
- S-24 Soldier Pile Wall Details - II
- S-25 Temporary Concrete Barrier Details
- S-26 Bar Splicer Assembly Details
- S-27 Pile Details
- S-28 Boring Logs

**WATERWAY INFORMATION**

Drainage Area = 123 Sq. Mi. Existing Overtopping Elev. 646.41 @ Sta. 104+00  
Proposed Overtopping Elev. 646.41 @ Sta. 104+00

Flood	Freq. Yr.	Q C.F.S.	Opening - Sq. Ft.		Natural H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	3510	746	746	640.48	0.4	0.4	640.88	640.88
Base	100	5600	936	936	641.77	0.8	0.9	642.57	642.67
Scour Design Check									
Overtop Existing	N/A	N/A	-	-	-	-	-	-	-
Overtop Proposed	N/A	N/A	-	-	-	-	-	-	-
Max. Calc.	500	7500	1033	1033	642.67	1.3	1.3	643.97	643.97

10 Year Velocity Through Existing Bridge = 4.7 ft/s  
10 Year Velocity Through Proposed Bridge = 4.7 ft/s



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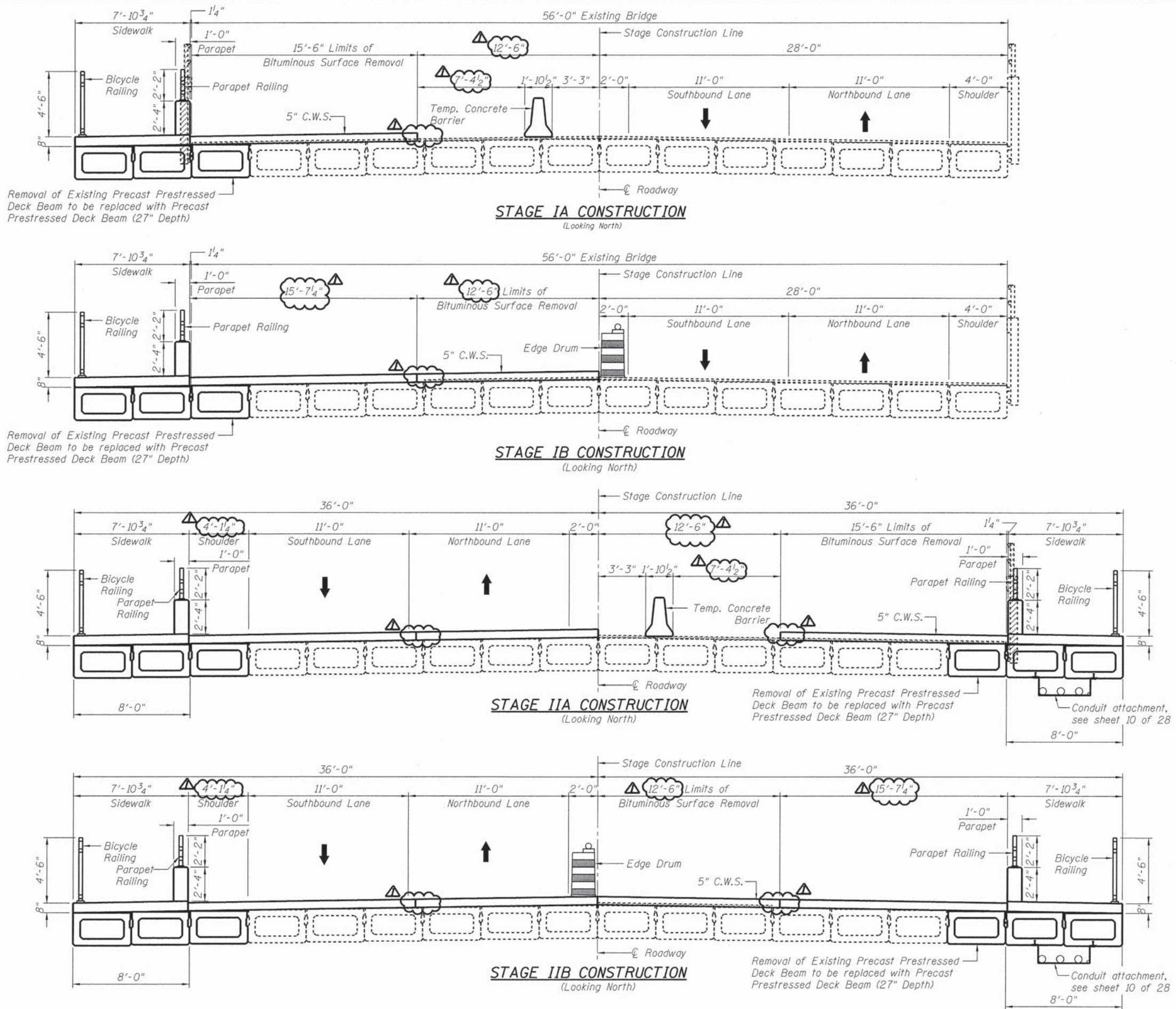
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & BILL OF MATERIAL  
WASHINGTON STREET

SCALE: SHEET 2 OF 28 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	14-00161-00-BR	WILL	86	38
CONTRACT NO. 61C38				
[ILLINOIS] FED. AID PROJECT DPC-M-4003(356)				



Removal of Existing Precast Prestressed Deck Beam to be replaced with Precast Prestressed Deck Beam (27" Depth)

Removal of Existing Precast Prestressed Deck Beam to be replaced with Precast Prestressed Deck Beam (27" Depth)

Removal of Existing Precast Prestressed Deck Beam to be replaced with Precast Prestressed Deck Beam (27" Depth)

Removal of Existing Precast Prestressed Deck Beam to be replaced with Precast Prestressed Deck Beam (27" Depth)

**LEGEND**

- Existing Precast Prestressed Deck Beams (27" Depth) to remain
- Proposed Precast Prestressed Deck Beams (27" Depth)

**NOTES**

1. Edge Drum barricade and Temporary Concrete Barrier are paid as roadway items.

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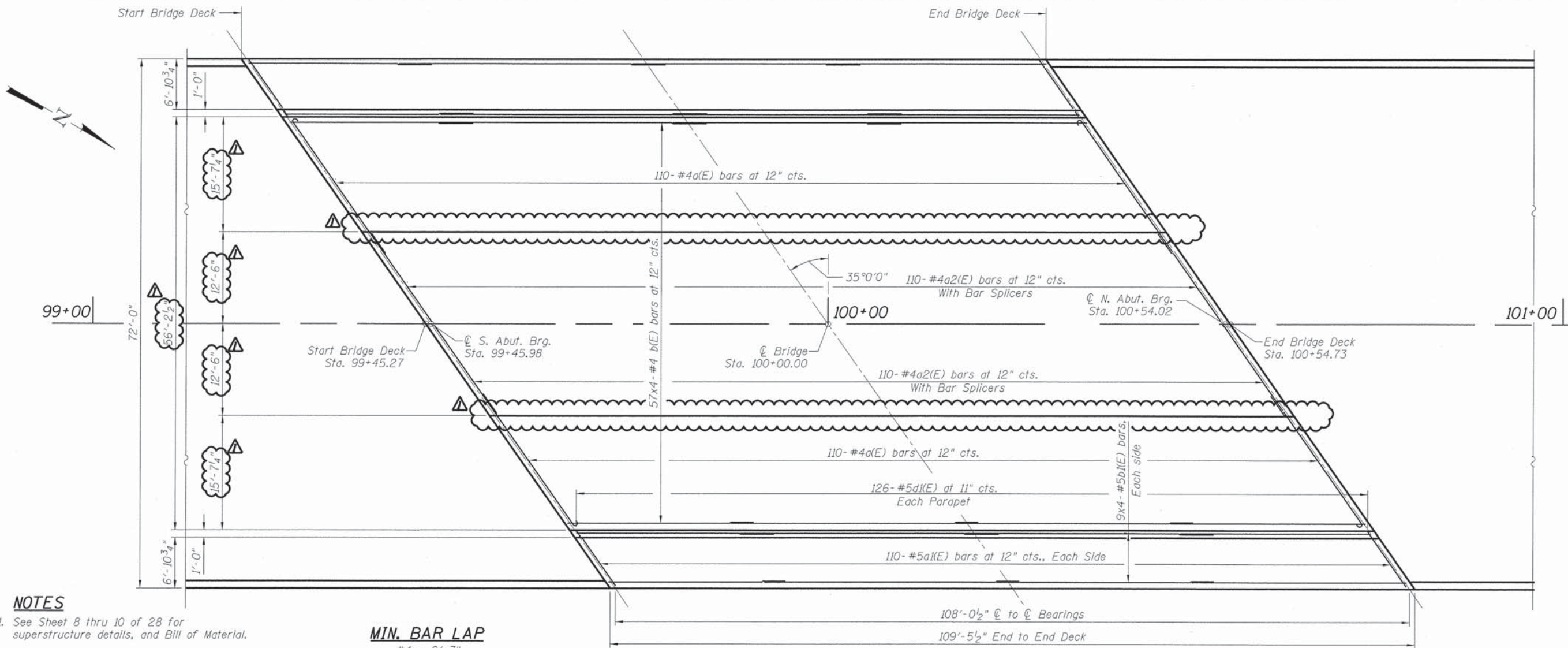
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGING DETAILS  
WASHINGTON STREET**

SCALE: SHEET 4 OF 28 SHEETS STA. TO STA.

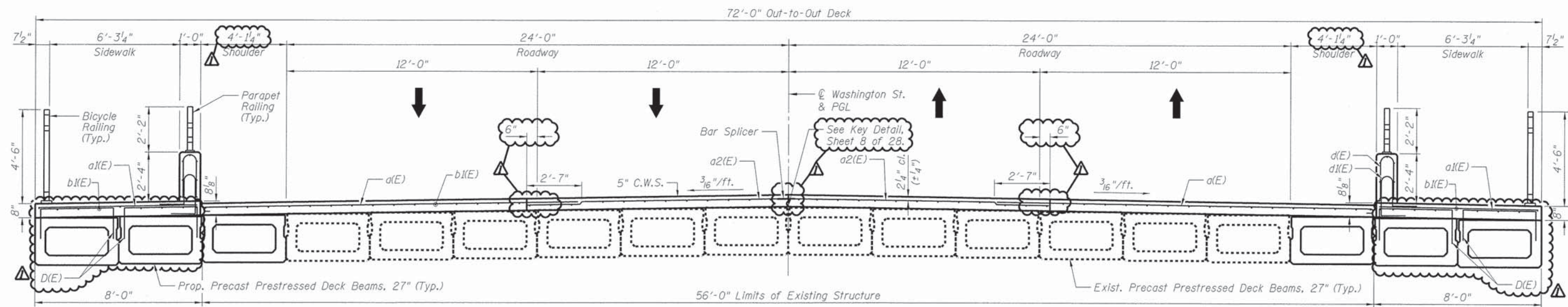
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CONTRACT NO. 61C38				
ILLINOIS FED. AID PROJECT DPC-M-40033561				



- NOTES**
- See Sheet 8 thru 10 of 28 for superstructure details, and Bill of Material.
  - Bars indicated thus 4x3-#5 etc. indicates 4 lines of bars with 3 lengths per line.

**MIN. BAR LAP**  
 #4 = 2'-7"  
 #5 = 3'-3"

**DECK PLAN**



**DECK CROSS SECTION**  
 (Looking North)

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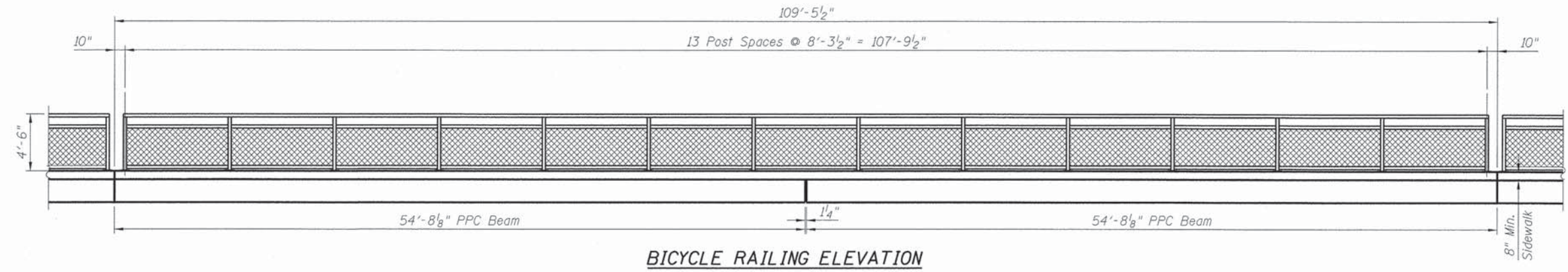


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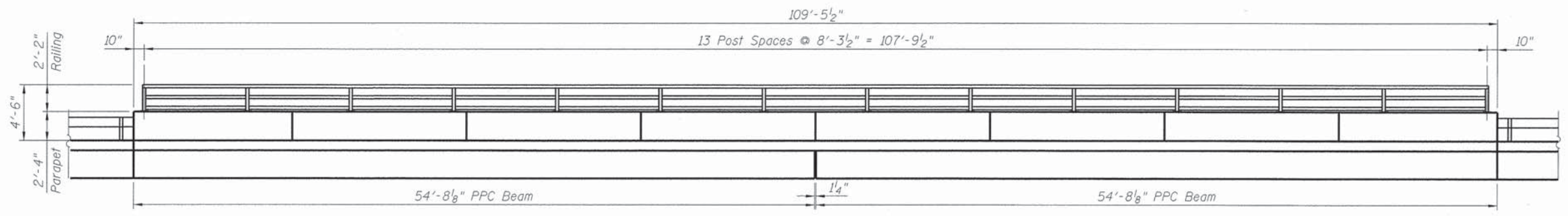
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>DECK PLAN &amp; CROSS SECTION</b>		
<b>WASHINGTON STREET</b>		
SCALE:	SHEET 7	OF 28 SHEETS STA. TO STA.

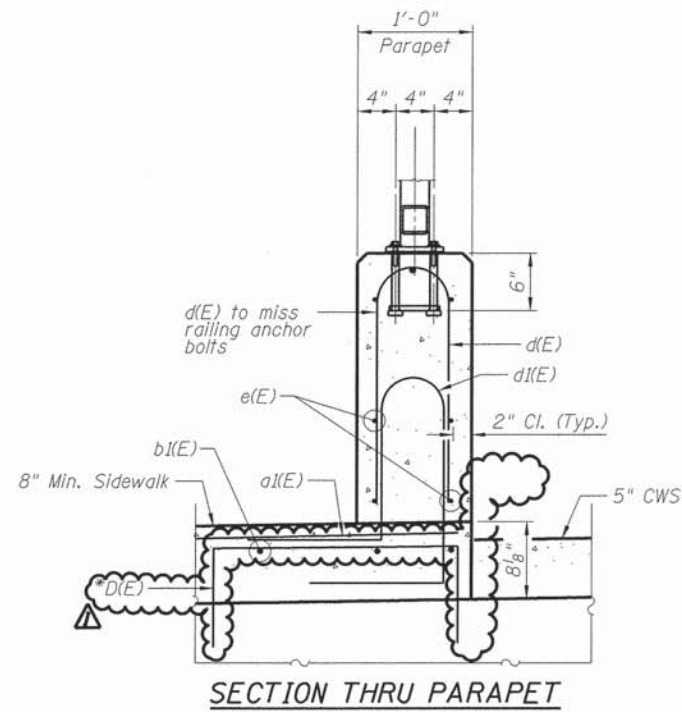
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CONTRACT NO. 61C38				
ILLINOIS FED. AID PROJECT DPC-M-4003(356)				



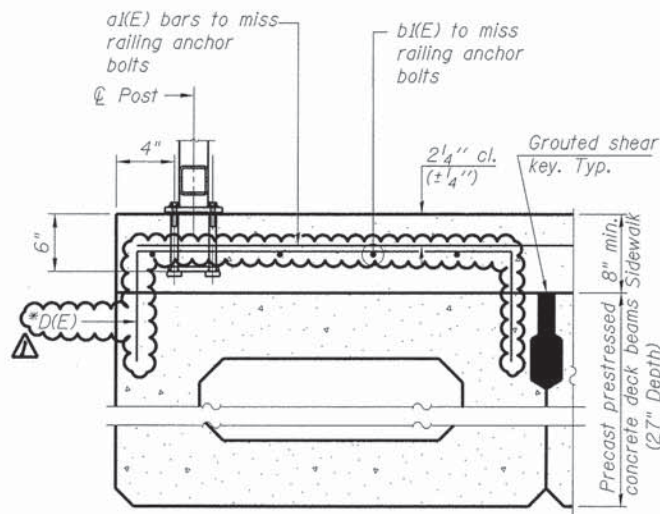
**BICYCLE RAILING ELEVATION**



**PARAPET RAILING ELEVATION**

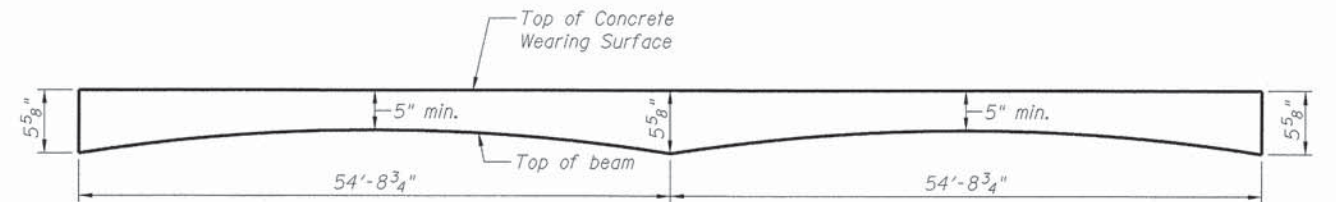


**SECTION THRU PARAPET**



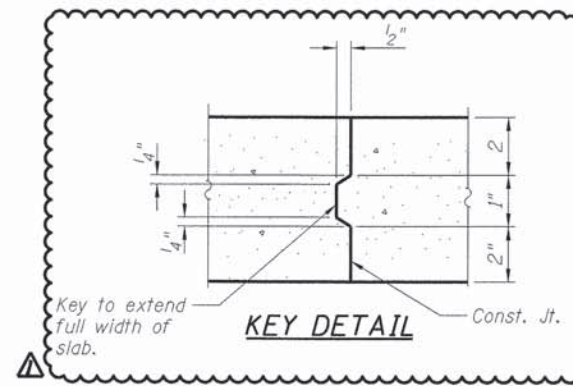
**SECTION THRU EDGE FASCIA BEAM**

\* Place #4 D(E) bars at 9" cts. in beams under sidewalk only. D(E) bar included in cost of beam.



**ANTICIPATED CONCRETE WEARING SURFACE PROFILE**

(For information only)



**KEY DETAIL**

Key to extend full width of slab. Const. Jt.

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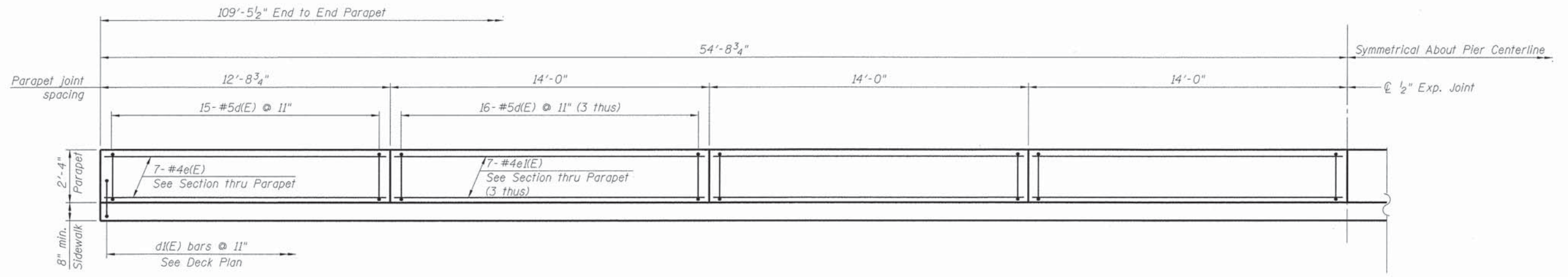
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

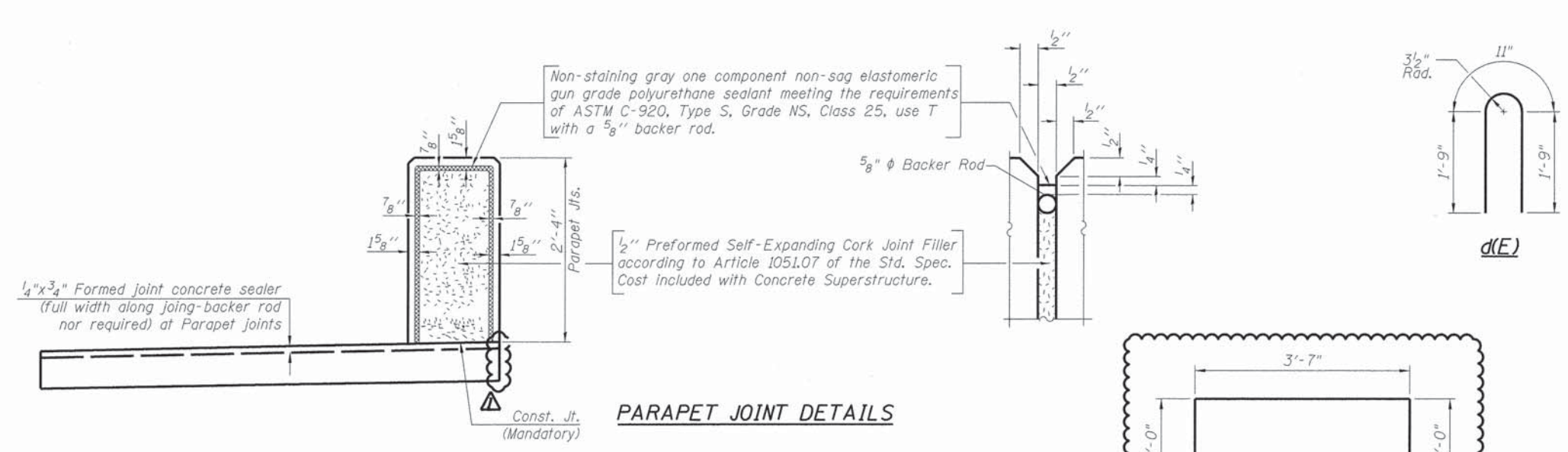
**SUPERSTRUCTURE DETAILS - I  
 WASHINGTON STREET**

SCALE: SHEET 8 OF 28 SHEETS STA. TO STA.

F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 44
CONTRACT NO. 61C38				
ILLINOIS FED. AID PROJECT DPC-M-4003(356)				



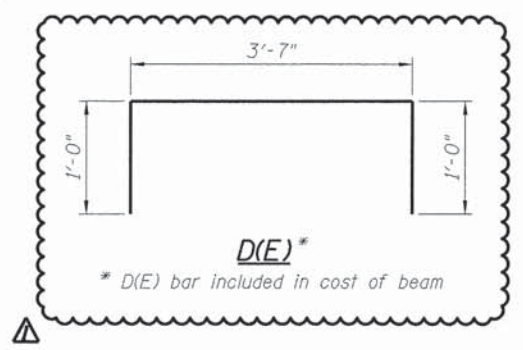
**INSIDE ELEVATION OF WEST PARAPET**  
(East Parapet Elevation Similar)



**PARAPET JOINT DETAILS**

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a(E)	220	#4	21'-11"	
a1(E)	220	#5	9'-5"	
a2(E)	220	#4	14'-10"	
b(E)	228	#4	29'-3"	
b1(E)	72	#5	29'-7"	
d(E)	252	#5	4'-5"	
d1(E)	252	#5	5'-3"	
e(E)	28	#4	12'-5"	
e1(E)	84	#4	13'-8"	
Bridge Deck Grooving		Sq. Yd.	657	
Concrete Superstructure		Cu. Yd.	62.1	
Protective Coat		Sq. Yd.	985	
Reinforcement Bars, Epoxy Coated		Pound	17,780	
Bar Splicers		Each	110	
Concrete Wearing Surface, 5"		Sq. Yd.	681	



**NOTE:**  
1. See Sheet 13 of 28 for Railing Details.

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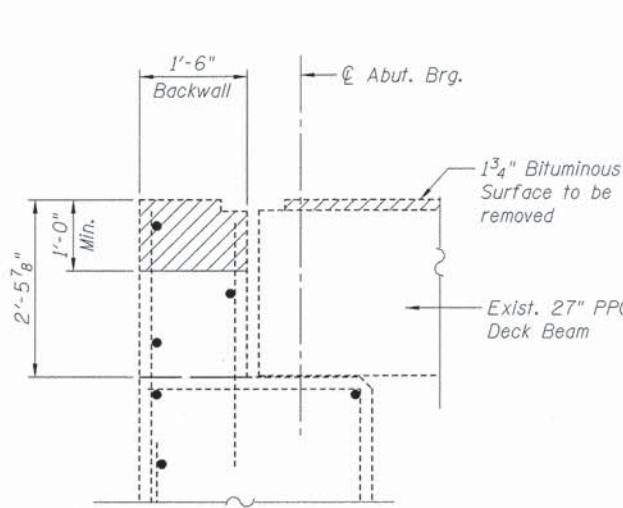
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS - II  
WASHINGTON STREET

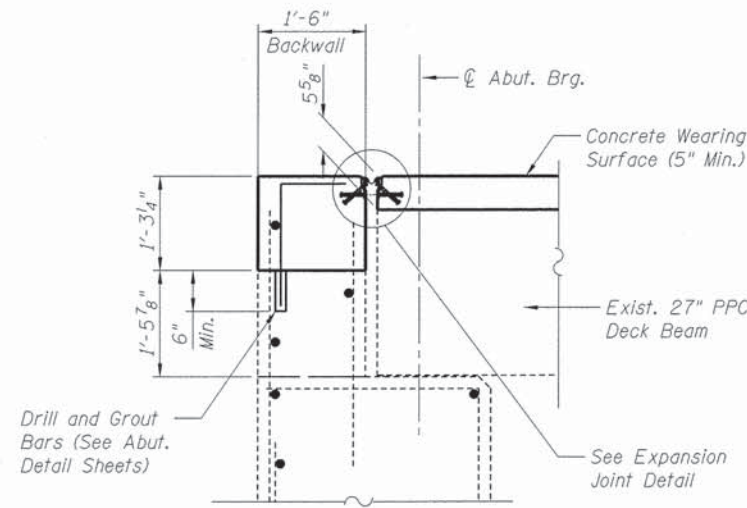
SCALE: SHEET 9 OF 28 SHEETS STA. TO STA.

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CONTRACT NO. 61C38			ILLINOIS FED. AID PROJECT DPC-M-40033561	



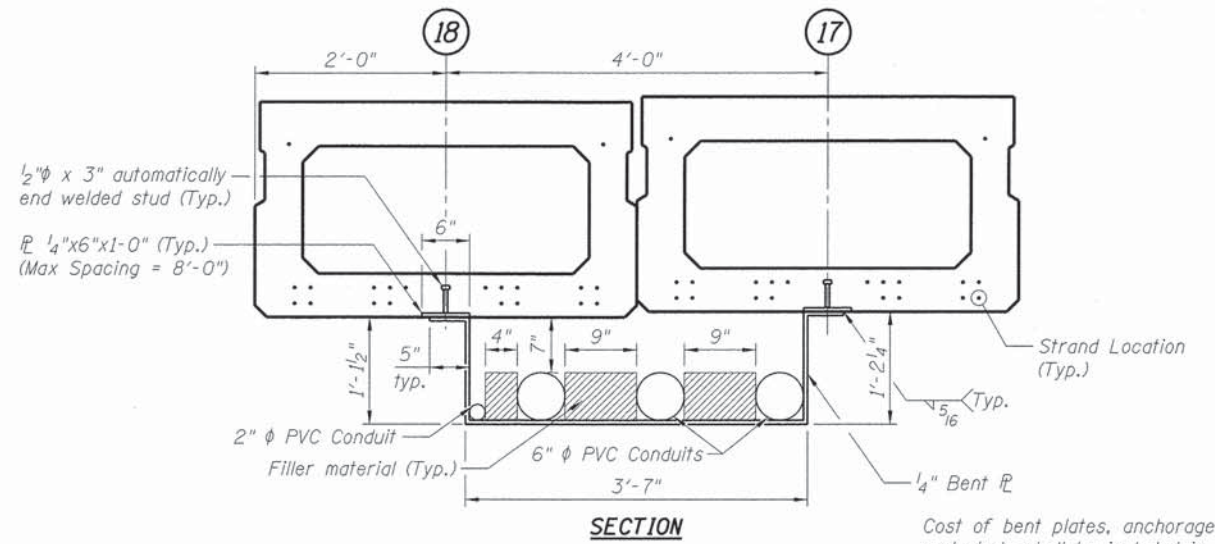


**LIMITS OF REMOVAL**



**RECONSTRUCTION**

**SECTION AT EXISTING ABUTMENT**



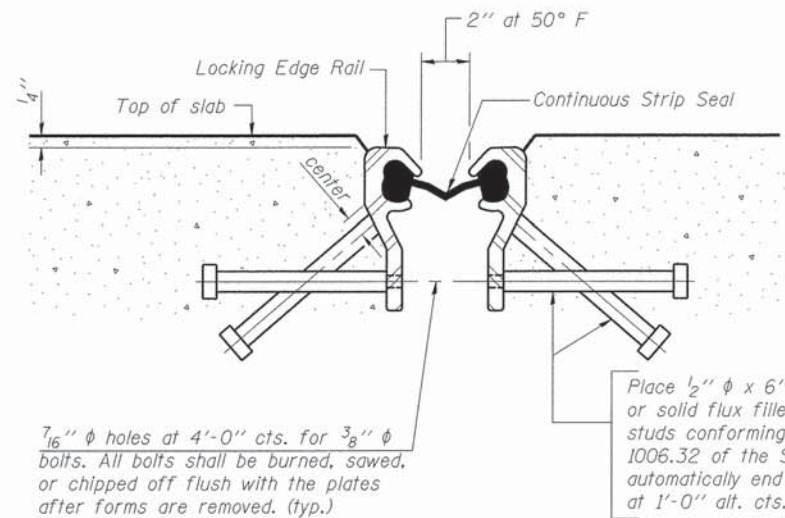
**SECTION**

**PLAN**

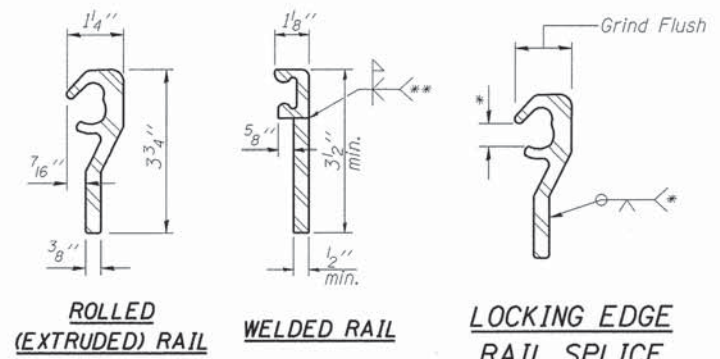
**CONDUIT ATTACHMENT DETAIL**

\*\*\* Filler material shall be provided by the Contractor to prevent lateral movement of the conduits. The material shall be called polypropylene based foam or equivalent. The cost of furnishing and installing the material shall be incidental to Furnishing and Erecting Structural Steel.

Cost of bent plates, anchorage plates and studs shall be included in Furnishing and Erecting Structural Steel.  
 IDOT approved zinc-rich paint system shall be applied at welds.  
 1/2" φ drain holes shall be provided in the steel plate. These shall be located 1' minimum from south face of pier and front face of north abutment.

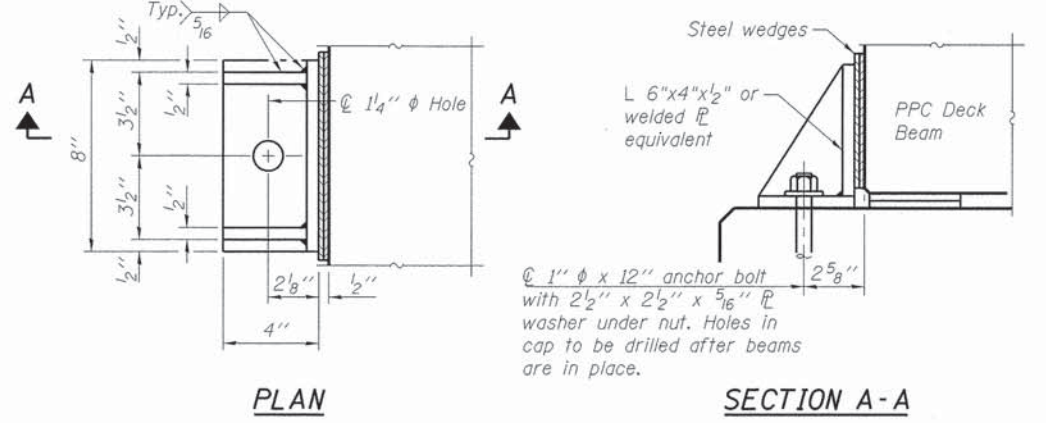


**SECTION THRU EXPANSION STRIP SEAL JOINT**



**ROLLING EDGE RAIL**  
**LOCKING EDGE RAIL**

\* Omit weld at seal opening.  
 \*\* Back gouge not required if complete joint penetration is verified by mock-up.

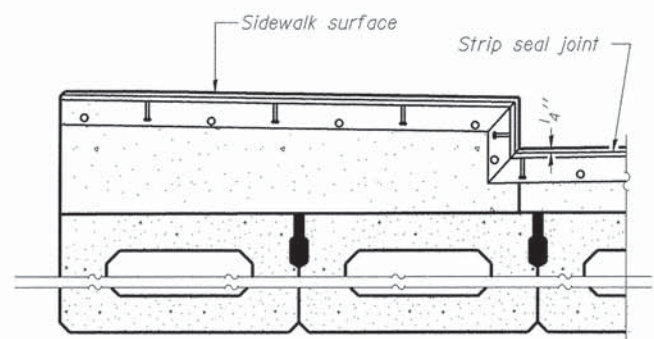


**SIDE RETAINERS AT ABUTMENT**

**NOTES**  
 1. Cost of retainers, anchors and accessories are included with Precast Prestressed Concrete Deck Beams.  
 2. Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.  
 3. The side retainers and steel wedges shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM 385.  
 4. Anchor bolts and plate washers shall be galvanized according to AASHTO M 232. After the notch or concrete overlay are poured and cured, the steel wedges shall be removed.

**BILL OF MATERIAL**

Item	Unit	Total
Preformed Joint Strip Seal	Foot	176



**TYPICAL END TREATMENTS FOR STRIP SEAL**

**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.
- The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed.
- The inside of the Locking Edge Rail groove shall be free of weld residue.
- Locking Edge Rails may be spliced at slope discontinuities and stage construction joints.
- 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.
- Maximum space between rail segments at stage lines shall be 3/16", sealed with a suitable sealant.
- The joint opening and deck dimensions detailed on the superstructure are based on a preformed joint seal. If the contractor elects to use the alternate strip seal joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State.



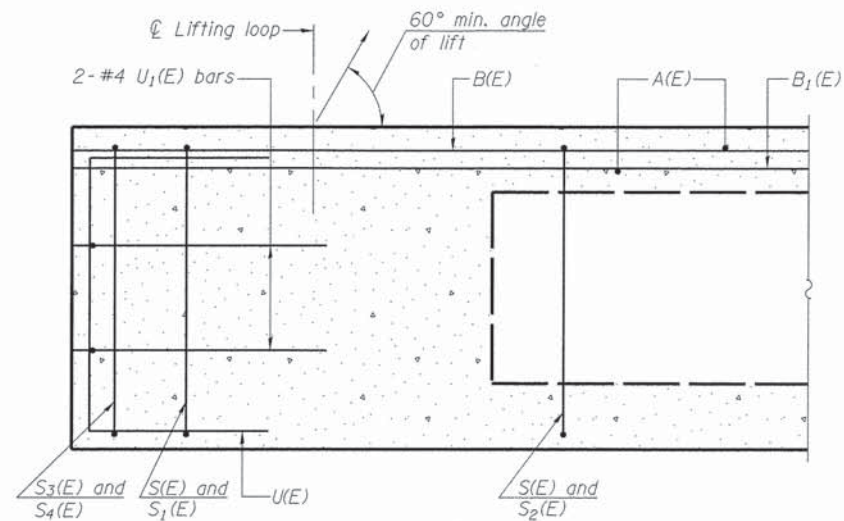
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

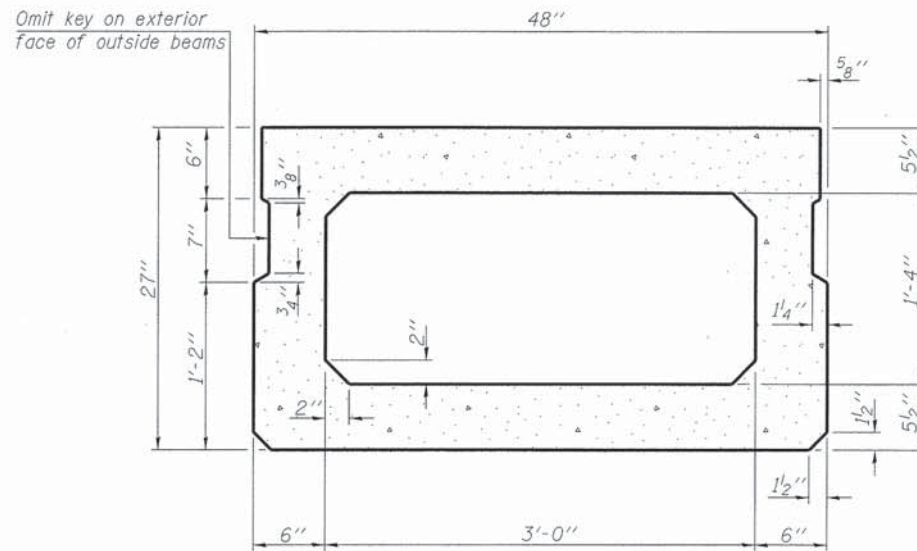
<b>SUPERSTRUCTURE DETAILS - III    WASHINGTON STREET</b>	
SCALE:	SHEET 10 OF 28 SHEETS STA. TO STA.

F.A.J. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 46
CONTRACT NO. 61C38			ILLINOIS FED. AID PROJECT DPC-M-4003(356)	

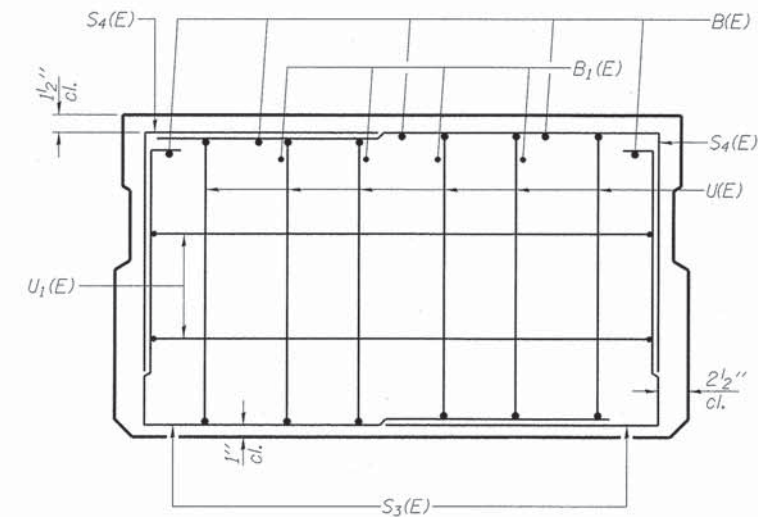
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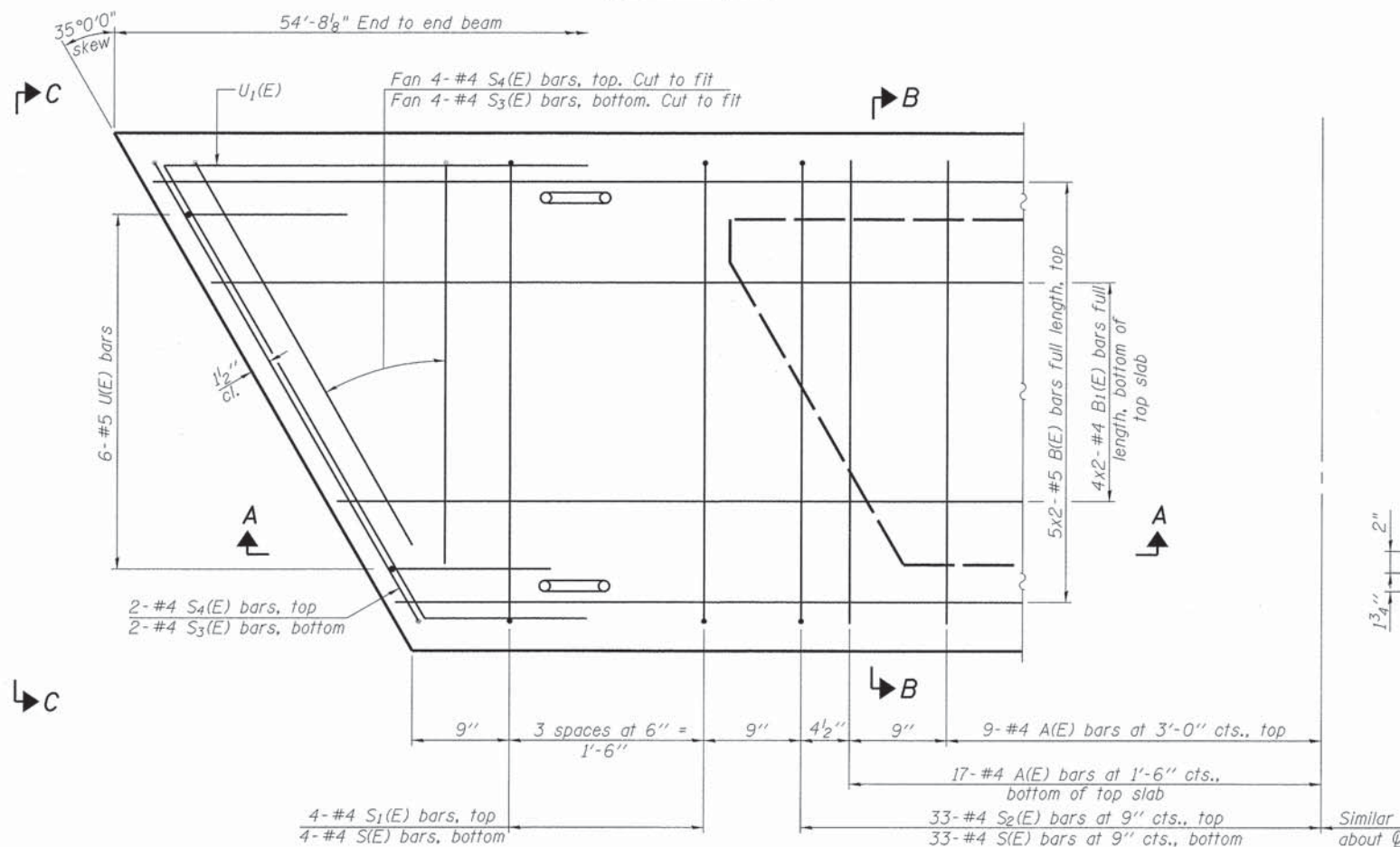
**SECTION A-A**



**SECTION B-B**  
(Showing dimensions)

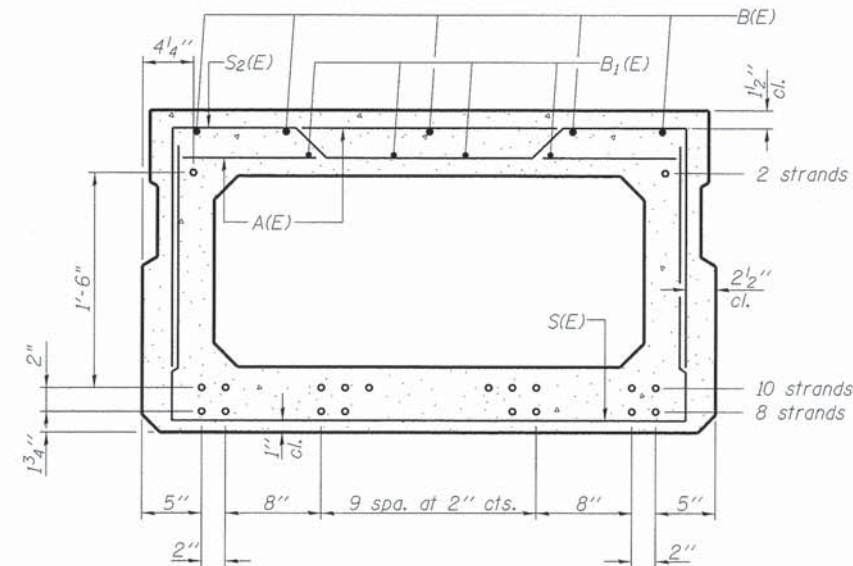


**VIEW C-C**



**PLAN VIEW**

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



**SECTION B-B**

(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

**BAR LIST**  
**ONE BEAM ONLY**  
(For Information Only)

Bar	No.	Size	Length	Shape
A(E)	52	#4	3'-7"	—
B(E)	20	#5	28'-5"	—
B1(E)	16	#4	28'-2"	—
D(E)	588	#4	5'-7"	□
S(E)	74	#4	8'-5"	□
S1(E)	8	#4	6'-11"	□
S2(E)	66	#4	7'-2"	□
S3(E)	12	#4	5'-9"	□
S4(E)	12	#4	5'-0"	□
U(E)	12	#5	4'-6"	□
U1(E)	4	#4	9'-3"	□

Note: See sheet 12 of 28 for additional details and Bill of Material.

\* At beams under sidewalk only.  
See sheets 7 thru 9 of 28.

**MINIMUM BAR LAP**

#4 bar = 1'-11"  
#5 bar = 2'-6"

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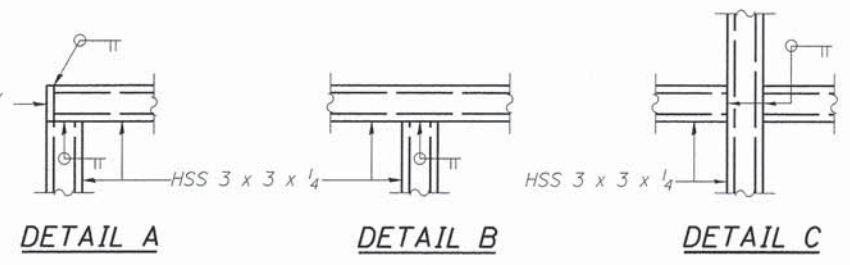
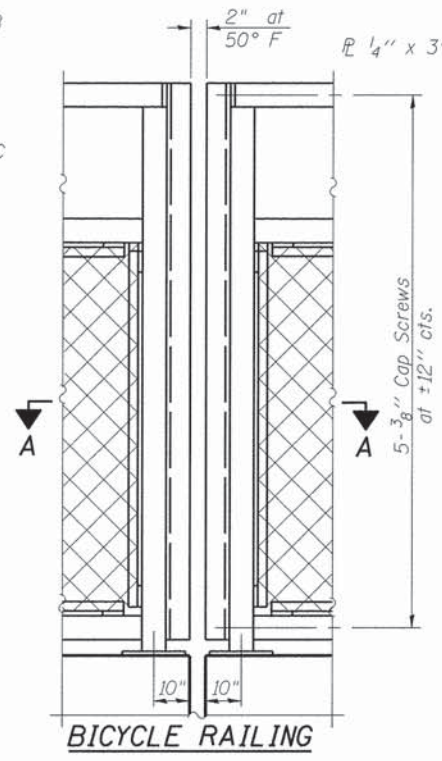
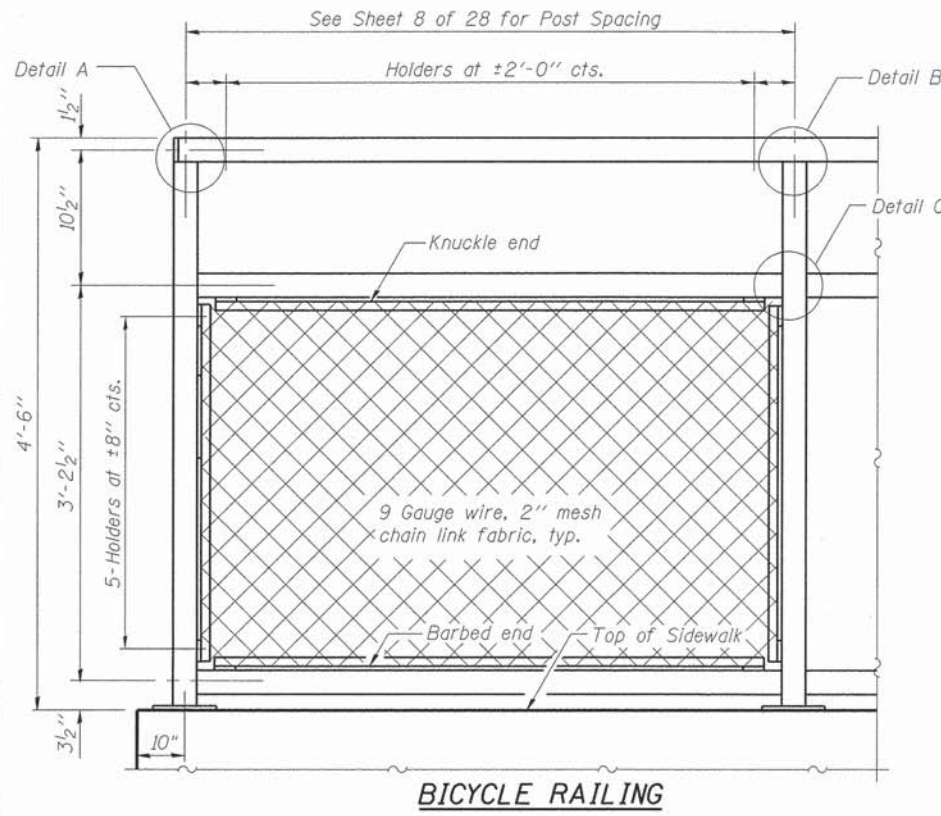
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

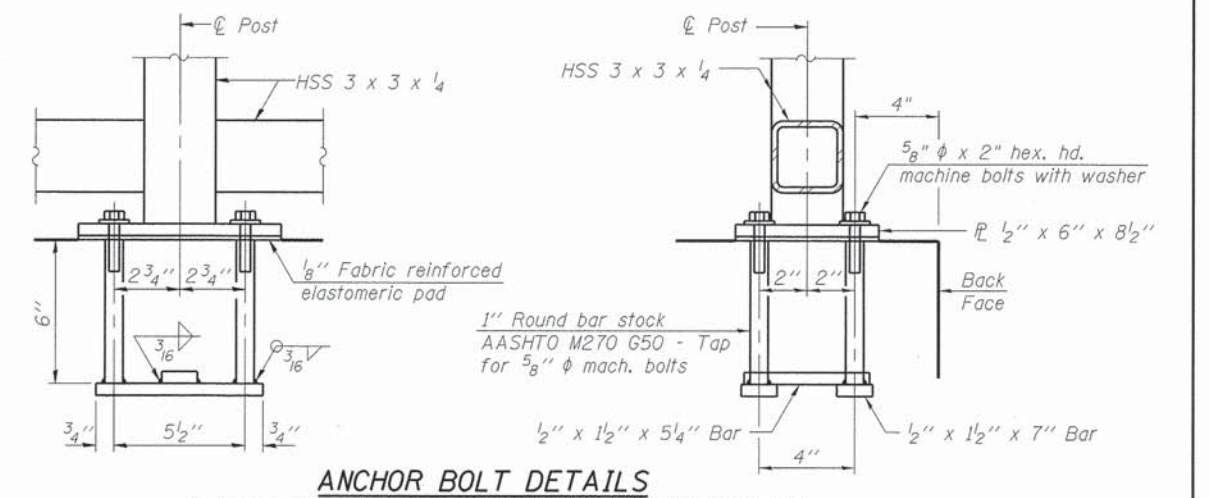
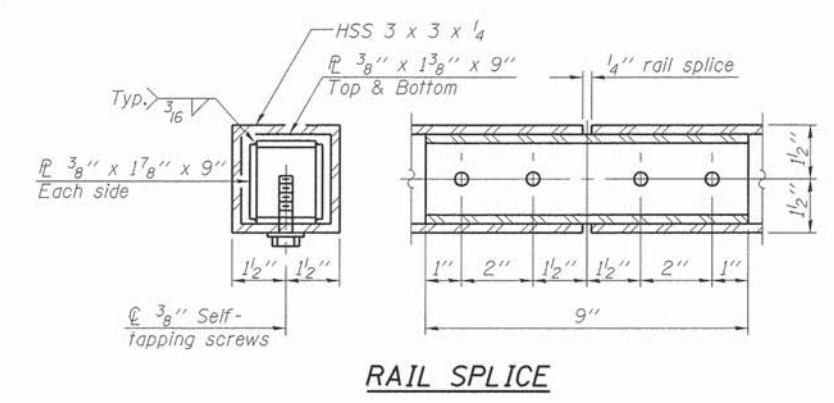
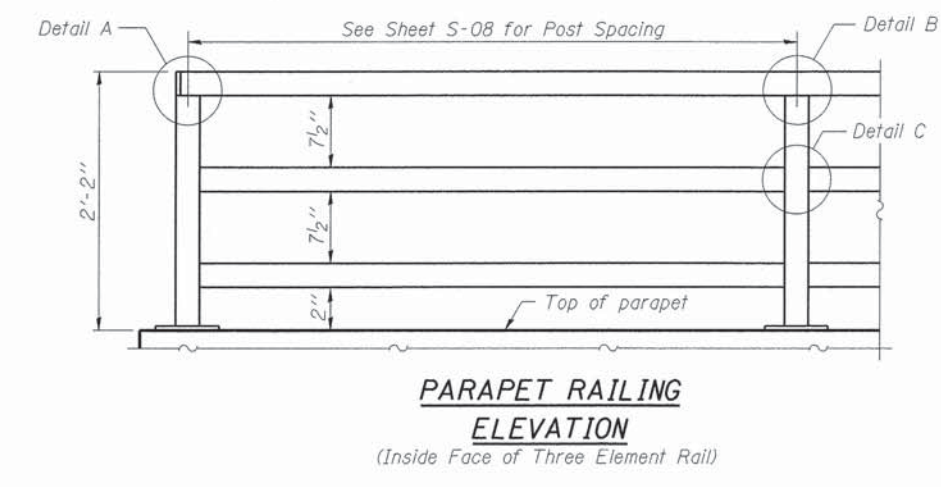
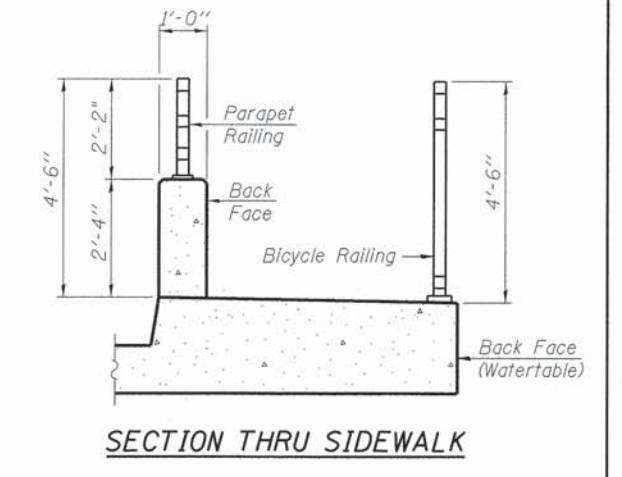
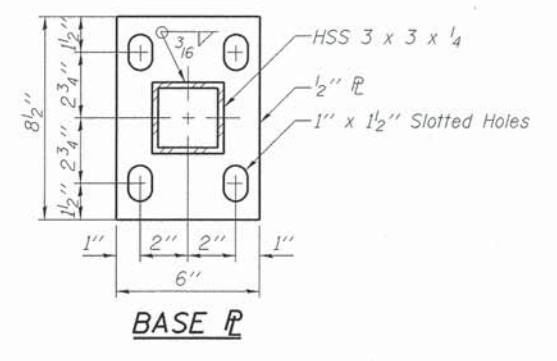
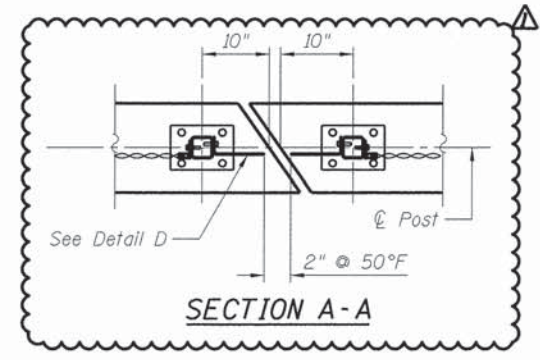
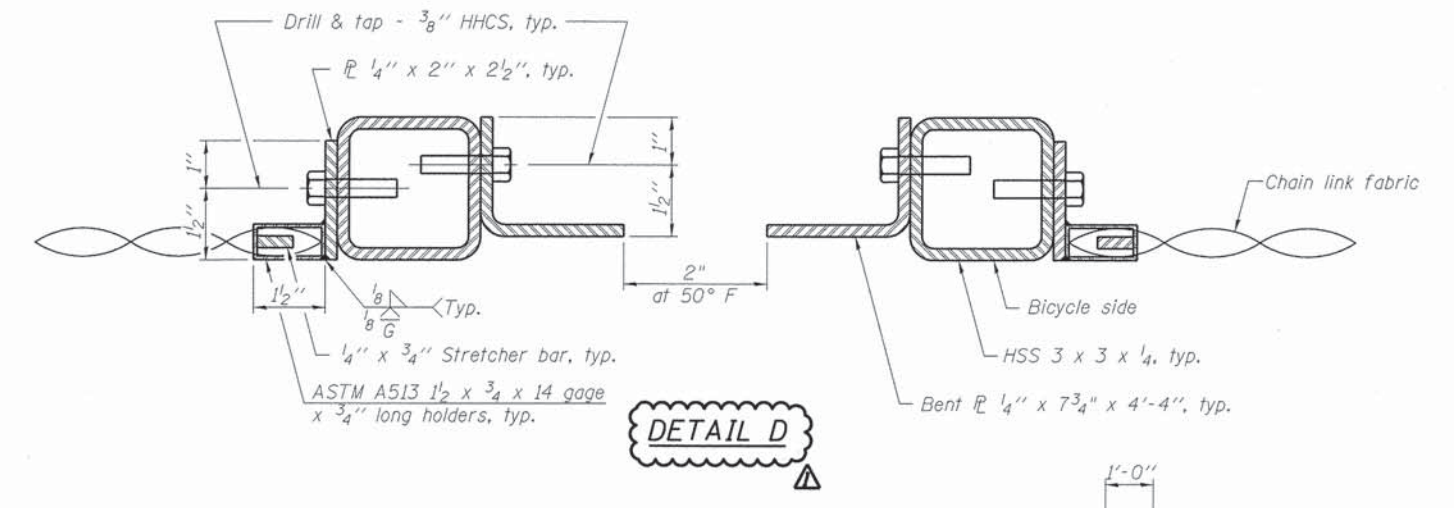
**27"x48" PPC DECK BEAM DETAILS - I**  
**WASHINGTON STREET**

SCALE: SHEET 11 OF 28 SHEETS STA. TO STA.

F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 47
			CONTRACT NO. 61C38	
[ILLINOIS] FED. AID PROJECT DPC-M-4003(356)				



Note:  
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" φ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

**BILL OF MATERIAL**

Item	Unit	Quantity
Bicycle Railing	Foot	452
Parapet Railing	Foot	219

FILE NAME = L:\Maperv\15228-01\WashingtonSt\13 Railing Detail.dgn

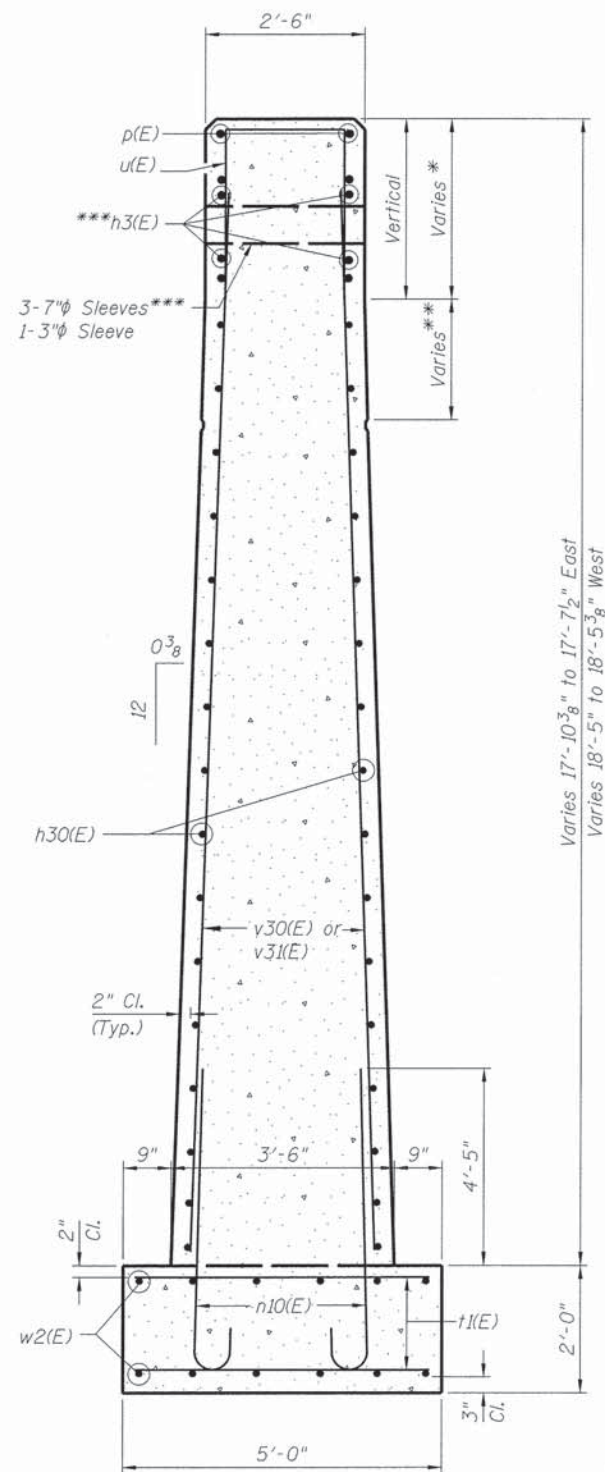


USER NAME = Peter Ross	DESIGNED - PA	REVISED - 2/12/2016
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PLOT DATE = 2/12/2016 3:39:41 PM	CHECKED - PA	REVISED -
	DATE - 12/7/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

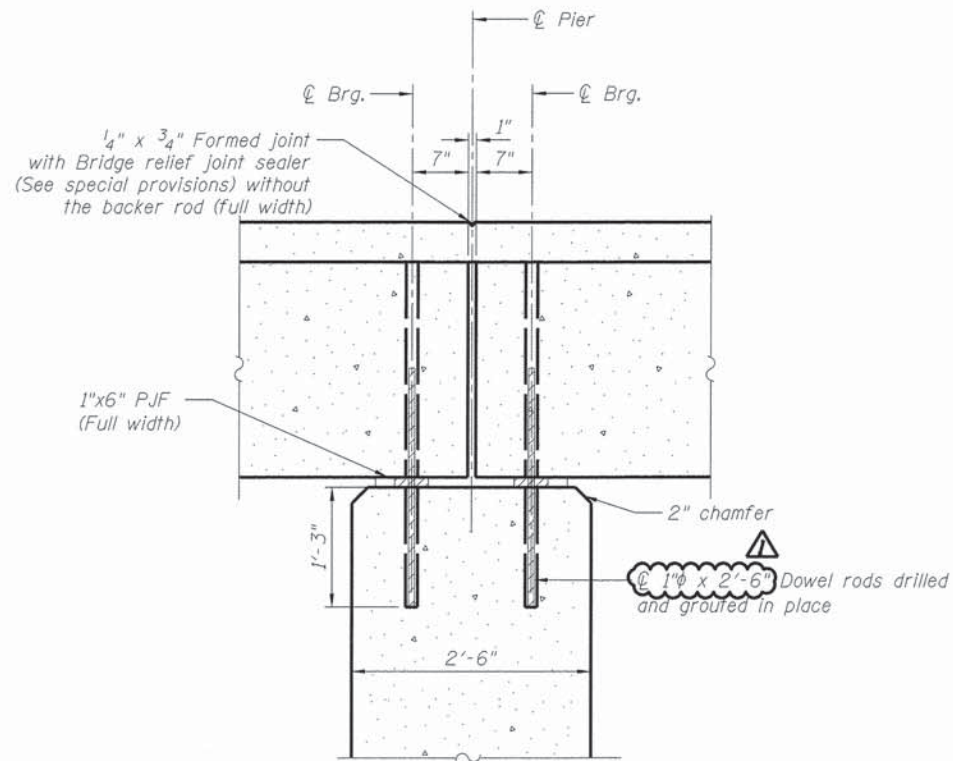
RAILING DETAILS WASHINGTON STREET			
SCALE:	SHEET 13	OF 28 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	14-00161-00-BR	WILL	86	49
CONTRACT NO. 61C38				
ILLINOIS FED. AID PROJECT DPC-M-4003356				



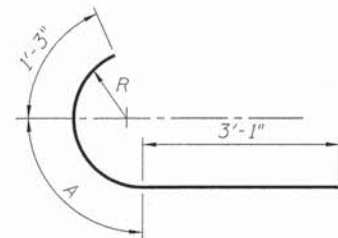
SECTION THRU PIER

\* 2'-6 1/2" to 2'-7 1/4" East  
 2'-11 3/8" to 3'-1/8" West  
 \*\* 1'-5 1/2" to 1'-6" East  
 1'-9 1/8" to 1'-9 3/4" West  
 \*\*\* At north end only

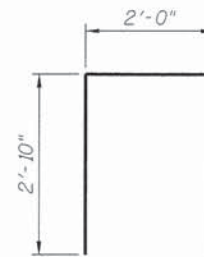


PIER DETAIL

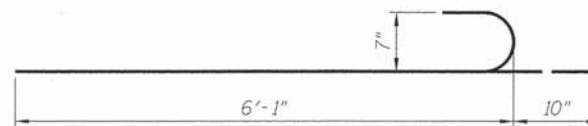
BAR	A	R
h31(E)	1'-8 3/8"	1'-1"
h32(E)	1'-11 1/2"	1'-3"
h33(E)	2'-2 3/4"	1'-5"
h34(E)	2'-5 7/8"	1'-7"



BARS h31(E) THRU h34(E)



BAR u(E)



BAR n10(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d10(E)	98	#5	2'-0"	—
h3(E)	4	#5	7'-6"	—
h30(E)	62	#5	9'-8"	—
h31(E)	20	#5	6'-0"	U
h32(E)	20	#5	6'-4"	U
h33(E)	18	#5	6'-8"	U
h34(E)	16	#5	6'-10"	U
n10(E)	38	#7	6'-11"	U
p(E)	12	#7	9'-8"	—
u(E)	44	#5	4'-8"	—
v30(E)	23	#7	17'-4"	—
v31(E)	23	#7	16'-8"	—
w2(E)	24	#5	9'-6"	—
Structure Excavation	Cu. Yd.	55.2		
Cofferdam Excavation	Cu. Yd.	33.8		
Concrete Structures	Cu. Yd.	51.9		
Concrete Removal	Cu. Yd.	4.9		
Reinforcement Bars, Epoxy Coated	Pound	4,320		
Granular Backfill for Structures	Cu. Yd.	42		
Concrete Sealer	Sq. Ft.	15		
Epoxy Crack Injection	Foot	53		
Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq. Ft.	15		
Drill and Grout Dowel Bars	Each	98		

FILE NAME = L:\Mapserver\11a\15238-01\WashingtonPh2\Dr-sw\CA00\_Sheets\S-18\_Pier\_Details.dgn



USER NAME = Peter Ross  
 PLOT SCALE = 1,500' 1" / in.  
 PLOT DATE = 2/12/2016 3:39:45 PM

DESIGNED - PA  
 DRAWN - DH  
 CHECKED - PA  
 DATE - 12/7/2015

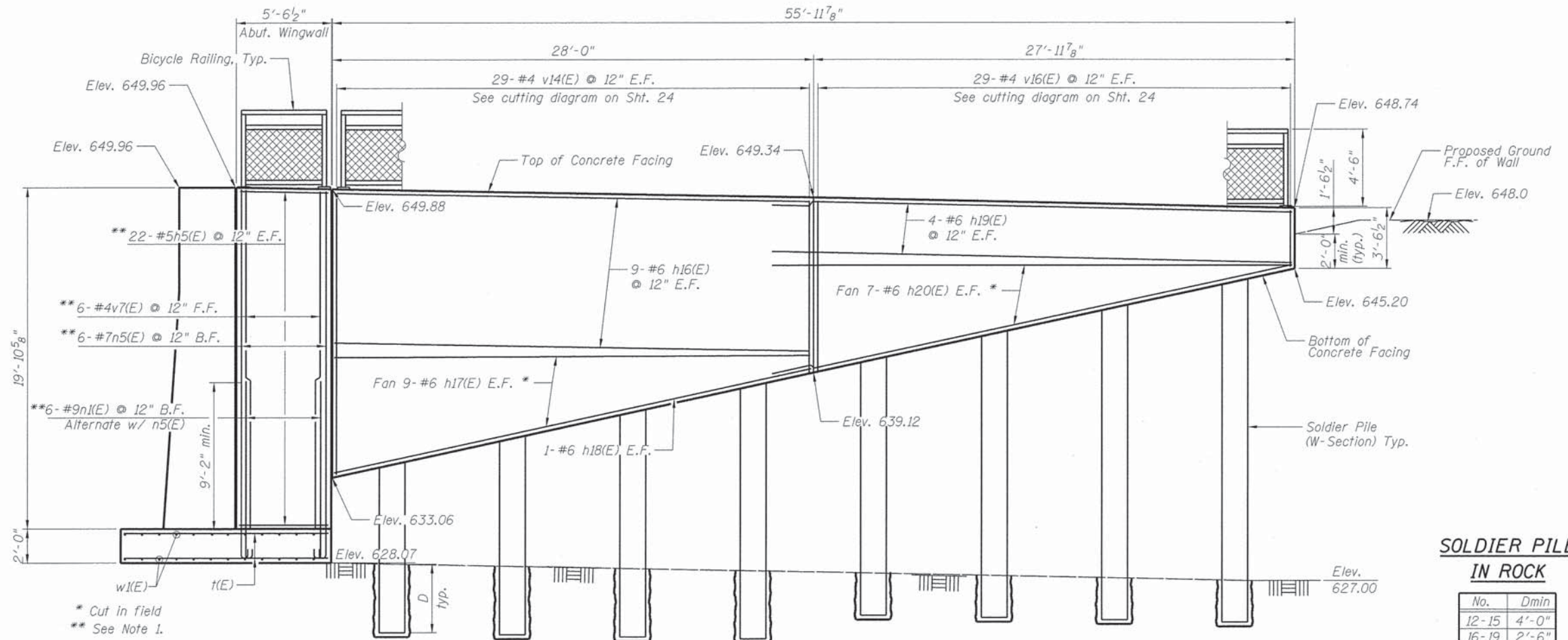
REVISED - 2/12/2016  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PIER DETAILS  
 WASHINGTON STREET

SCALE: SHEET 18 OF 28 SHEETS STA. TO STA.

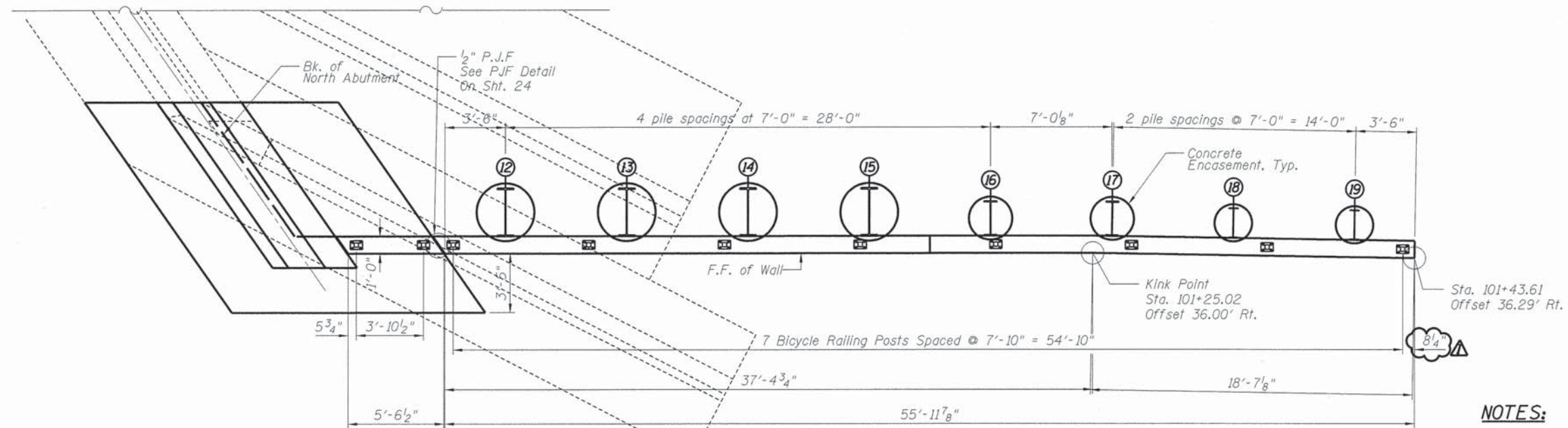
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	14-00161-00-BR	WILL	86	54
CONTRACT NO. 61C38				
ILLINOIS FED. AID PROJECT DPC-M-4003(356)				



**SOLDIER PILE  
IN ROCK**

No.	Dmin
12-15	4'-0"
16-19	2'-6"

**NORTHEAST WALL ELEVATION**  
(Looking South at Front Face of Wall)



**NORTHEAST WALL PLAN**

**MIN. LAP**  
#6 Bars = 4'-4"

**NOTES:**

- For abutment wingwall bar details and Bill of Materials see sheet 16 of 28.
- Offsets are measured from  $\text{C.R.}$  Rdwy. Dimensions are along the F.F. of the Wall.

FILE NAME = L:\Maperv11\152238-01-WashingtonPh2\Dr-aa\CADD-Sheets\5-28 NE Wall.dgn



USER NAME = Peter Ross	DESIGNED - PA	REVISED - $\Delta$ 2/12/2016
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

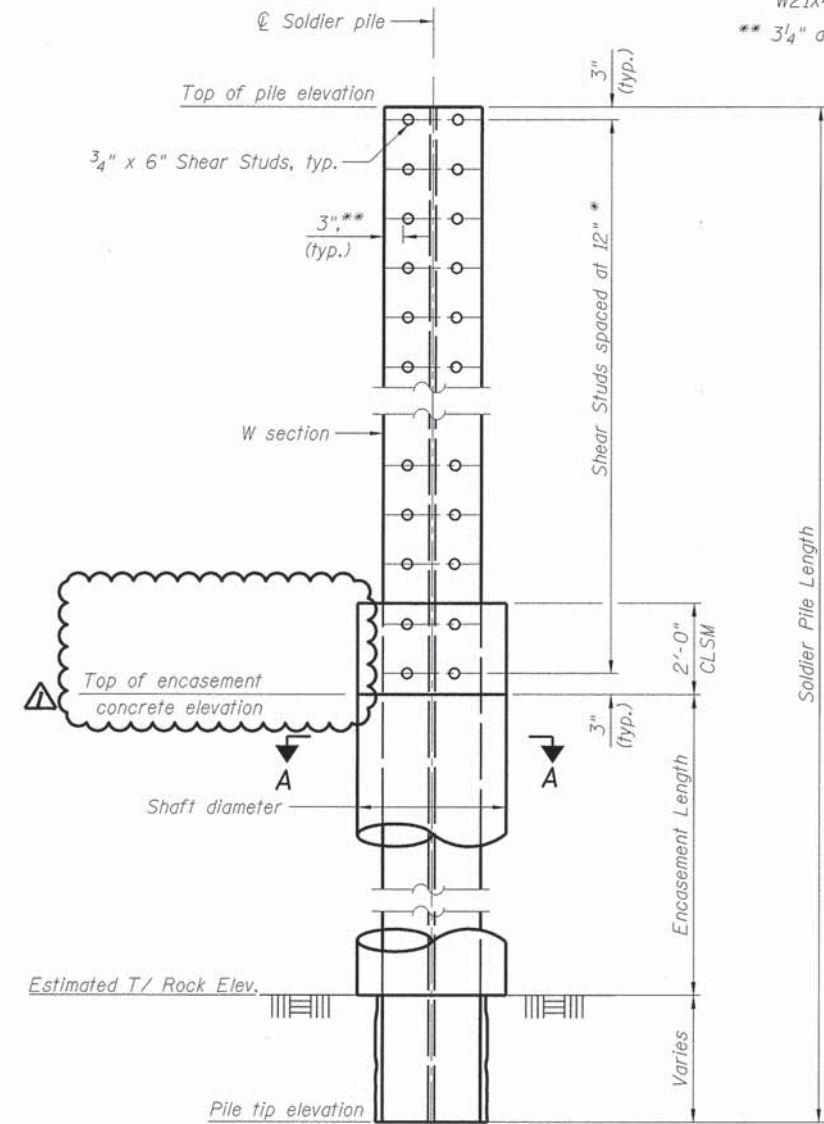
**NORTHEAST WALL  
WASHINGTON STREET**

SCALE: SHEET 20 OF 28 SHEETS STA. TO STA.

F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 56
				CONTRACT NO. 61C38
ILLINOIS FED. AID PROJECT DPC-M-4003(356)				

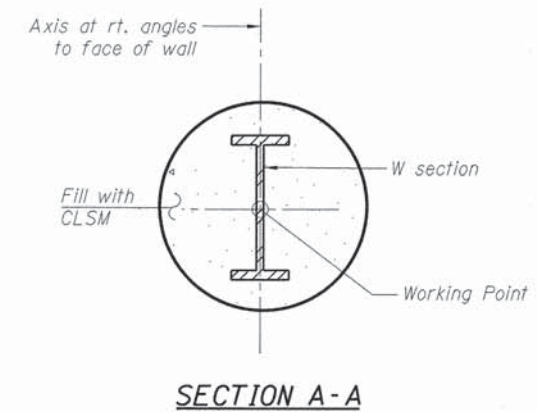
**SOLDIER PILE DATA**

LOCATION	SOLDIER PILE DESIGNATION	STATION	PILE SIZE	OFFSET TO WORKING POINT	TOP OF PILE ELEVATION	ESTIMATED LENGTH OF SOLDIER PILE (FT)	NUMBER OF SHEAR CONNECTORS	ENCASEMENT DIAMETER (IN.)	TOP OF ENCASEMENT CONCRETE ELEVATION	ENCASEMENT LENGTH (FT)
Southeast Wall	1	98+86.79	W21x44	34.14' RT.	650.82	26.32	3	30	649.25	22.25
	2	98+94.79	W21x44	34.14' RT.	650.70	26.20	3	30	648.31	21.31
	3	99+02.79	W21x44	34.14' RT.	650.57	26.07	4	30	647.37	20.37
	4	99+10.29	W21x44	34.14' RT.	650.46	25.96	5	30	646.49	19.49
	5	99+17.29	W21x44	34.14' RT.	650.35	25.85	6	30	645.66	18.66
	6	99+24.29	W24x84	33.40' RT.	650.24	25.74	12	30	644.84	17.84
	7	99+31.29	W24x84	33.40' RT.	650.13	25.63	14	30	644.01	17.01
	8	99+38.29	W24x84	33.40' RT.	650.02	25.52	16	30	642.53	15.53
	9	99+45.29	W33x141	33.61' RT.	649.91	26.91	22	42	640.38	13.38
	10	99+52.29	W33x141	33.61' RT.	649.80	26.80	26	42	638.23	11.23
	11	99+58.79	W33x141	33.61' RT.	649.70	26.70	28	42	636.22	9.22
Northeast Wall	12	100+91.12	W33x141	33.61' RT.	647.65	23.58	30	42	633.88	5.81
	13	100+98.12	W33x141	33.61' RT.	647.52	23.60	26	42	635.39	7.47
	14	101+05.12	W33x141	33.61' RT.	647.39	23.63	22	42	636.89	9.13
	15	101+12.12	W33x141	33.61' RT.	647.26	23.65	20	42	638.40	10.79
	16	101+19.12	W24x84	34.00' RT.	647.12	22.16	16	30	639.90	12.44
	17	101+26.15	W24x84	34.01' RT.	646.97	22.16	14	30	641.41	14.10
	18	101+33.14	W21x44	34.27' RT.	646.82	22.16	5	30	642.91	15.76
	19	101+40.14	W21x44	34.38' RT.	646.66	22.16	3	30	644.42	17.42
Northwest Wall	20	100+92.52	W21x44	34.14' LT.	647.87	23.37	3	30	645.81	18.81
	21	100+85.14	W21x44	34.14' LT.	647.92	23.26	5	30	644.19	17.04
	22	100+77.77	W24x84	34.00' LT.	647.97	23.16	12	30	642.57	15.26
	23	100+70.39	W24x84	34.00' LT.	648.02	23.05	16	30	640.95	13.49
	24	100+63.02	W40x149	33.41' LT.	648.10	24.48	18	48	639.64	12.02
	25	100+55.64	W40x149	33.41' LT.	648.20	24.43	22	48	638.63	10.86
	26	100+48.27	W40x149	33.41' LT.	648.31	24.38	24	48	637.63	9.70
	27	100+41.50	W40x149	33.41' LT.	648.42	24.35	26	48	636.75	8.68
Southwest Wall	28	99+08.88	W33x141	33.61' LT.	650.48	27.48	28	42	637.26	10.26
	29	99+01.88	W33x141	33.61' LT.	650.58	27.58	24	42	639.79	12.79
	30	98+94.38	W33x141	33.61' LT.	650.70	27.70	18	42	642.48	15.48
	31	98+86.63	W24x84	34.00' LT.	650.82	26.32	14	30	645.22	18.22
	32	98+78.63	W24x84	34.00' LT.	650.94	26.44	8	30	648.11	21.11



\* Two rows of shear studs shown. Only one row of shear studs at W21X44 Piles.  
 \*\* 3/4" at W21X44 Piles

**SOLDIER PILE ELEVATION AND SHEAR STUD CONNECTION DETAILS**



**SECTION A-A**

FILE NAME = L:\Neperv\11\15238-01\WashingtonPh2\Dr-m\CADD\_Sheets\15-23 Soldier\_Pile Wall Details\_1.dgn



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PLOT DATE = 2/12/2016 3:39:49 PM	CHECKED - PA	REVISED -
DATE - 12/7/2015	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

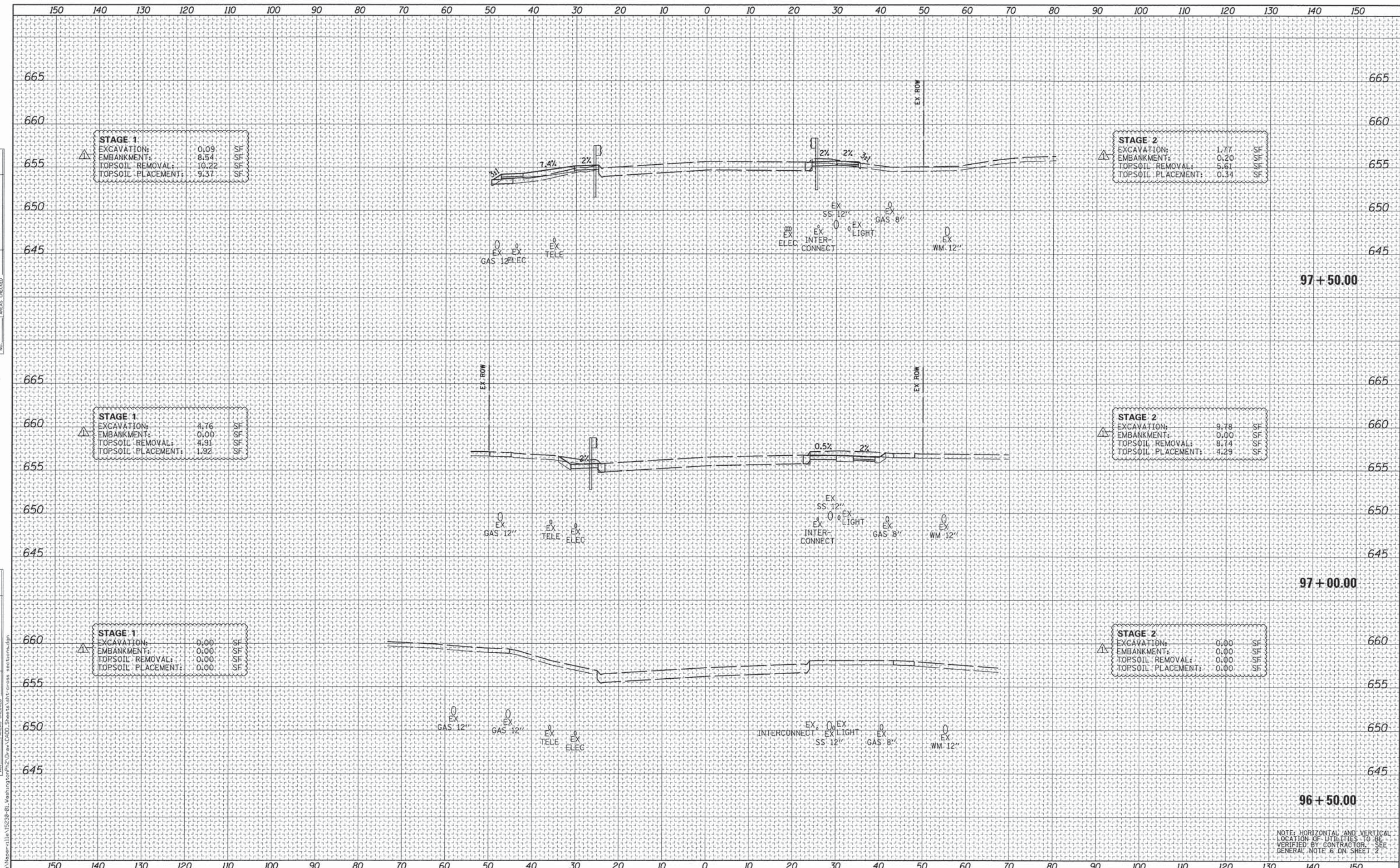
**SOLDIER PILE WALL DETAILS - I  
WASHINGTON STREET**

SCALE: SHEET 23 OF 28 SHEETS STA. TO STA.

F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 59
CONTRACT NO. 61C38				
[ILLINOIS] FED. AID PROJECT DPC-M-4003(356)				

DATE	
BY	
FINAL SURVEY	
NOTED BOOK	
NO.	

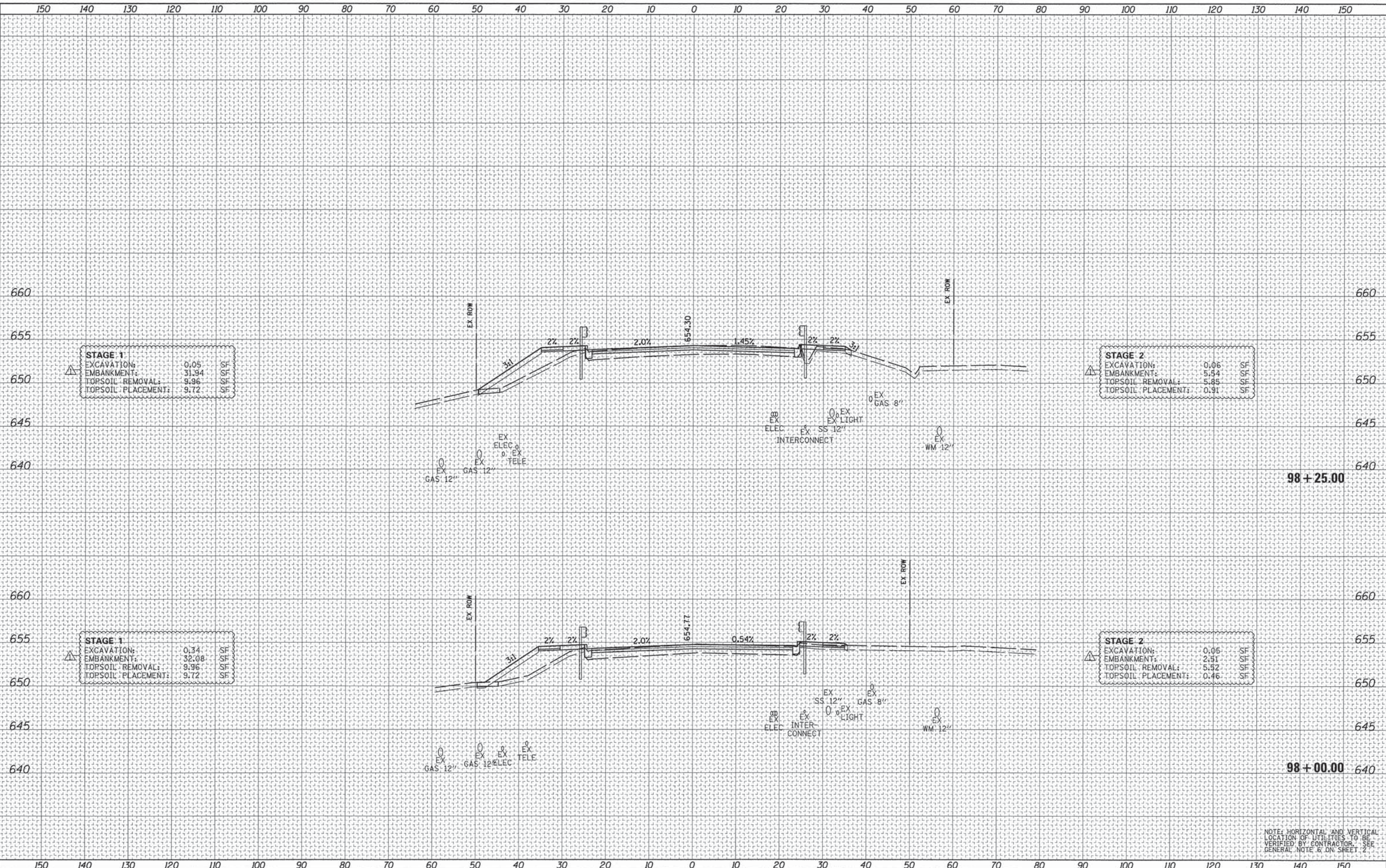
DATE	
BY	
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NOTED BOOK	
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DATE	
BY	
FINISHED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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

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**STAGE 1**

EXCAVATION:	0.05	SF
EMBANKMENT:	31.94	SF
TOPSOIL REMOVAL:	9.96	SF
TOPSOIL PLACEMENT:	9.72	SF

**STAGE 2**

EXCAVATION:	0.06	SF
EMBANKMENT:	5.54	SF
TOPSOIL REMOVAL:	5.85	SF
TOPSOIL PLACEMENT:	0.91	SF

**STAGE 1**

EXCAVATION:	0.34	SF
EMBANKMENT:	32.08	SF
TOPSOIL REMOVAL:	9.96	SF
TOPSOIL PLACEMENT:	9.72	SF

**STAGE 2**

EXCAVATION:	0.05	SF
EMBANKMENT:	2.51	SF
TOPSOIL REMOVAL:	5.52	SF
TOPSOIL PLACEMENT:	0.46	SF

NOTE: HORIZONTAL AND VERTICAL LOCATION OF UTILITIES TO BE VERIFIED BY CONTRACTOR. SEE GENERAL NOTE 6 ON SHEET 2.



USER NAME = Pater Ross	DESIGNED - PFR	REVISED - 2/12/2016
PLLOT SCALE = 10.0005' / 1in.	DRAWN - PFR	REVISED -
PLLOT DATE = 2/12/2016 3:48:16 PM	CHECKED - PFR	REVISED -
	DATE - 12/7/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
WASHINGTON STREET

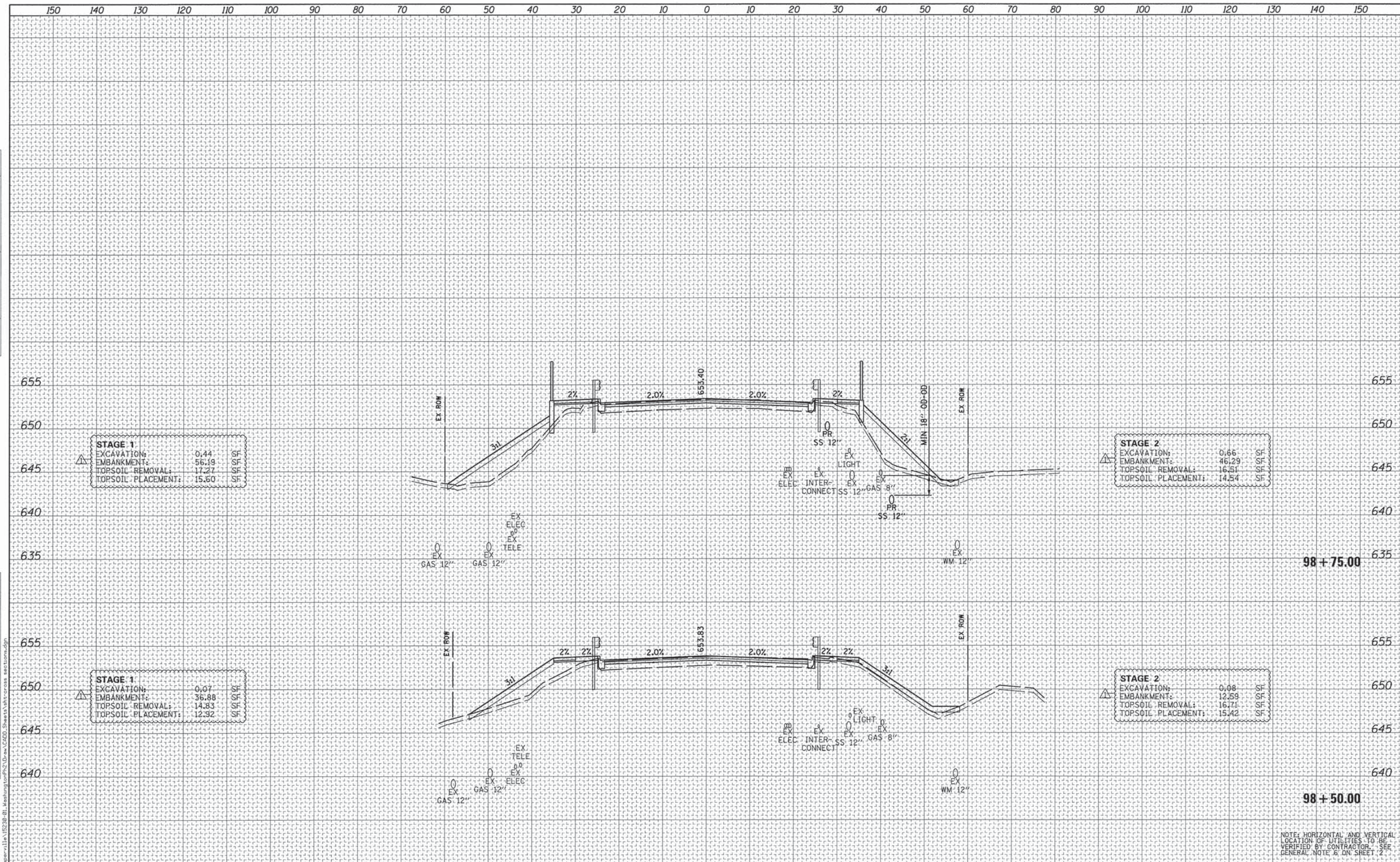
SCALE: 1"=10'/5' SHEET 2 OF 11 SHEETS STA. 98+00.00 TO STA. 98+25.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	14-00161-00-BR	WILL	86	77
				CONTRACT NO. 61C38
ILLINOIS FED. AID PROJECT DPC-M-4003(356)				



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

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



<b>STAGE 1</b>		
EXCAVATION:	0.44	SF
EMBANKMENT:	56.19	SF
TOPSOIL REMOVAL:	17.27	SF
TOPSOIL PLACEMENT:	15.60	SF

<b>STAGE 2</b>		
EXCAVATION:	0.66	SF
EMBANKMENT:	46.29	SF
TOPSOIL REMOVAL:	16.51	SF
TOPSOIL PLACEMENT:	14.54	SF

<b>STAGE 1</b>		
EXCAVATION:	0.07	SF
EMBANKMENT:	36.88	SF
TOPSOIL REMOVAL:	14.83	SF
TOPSOIL PLACEMENT:	12.92	SF

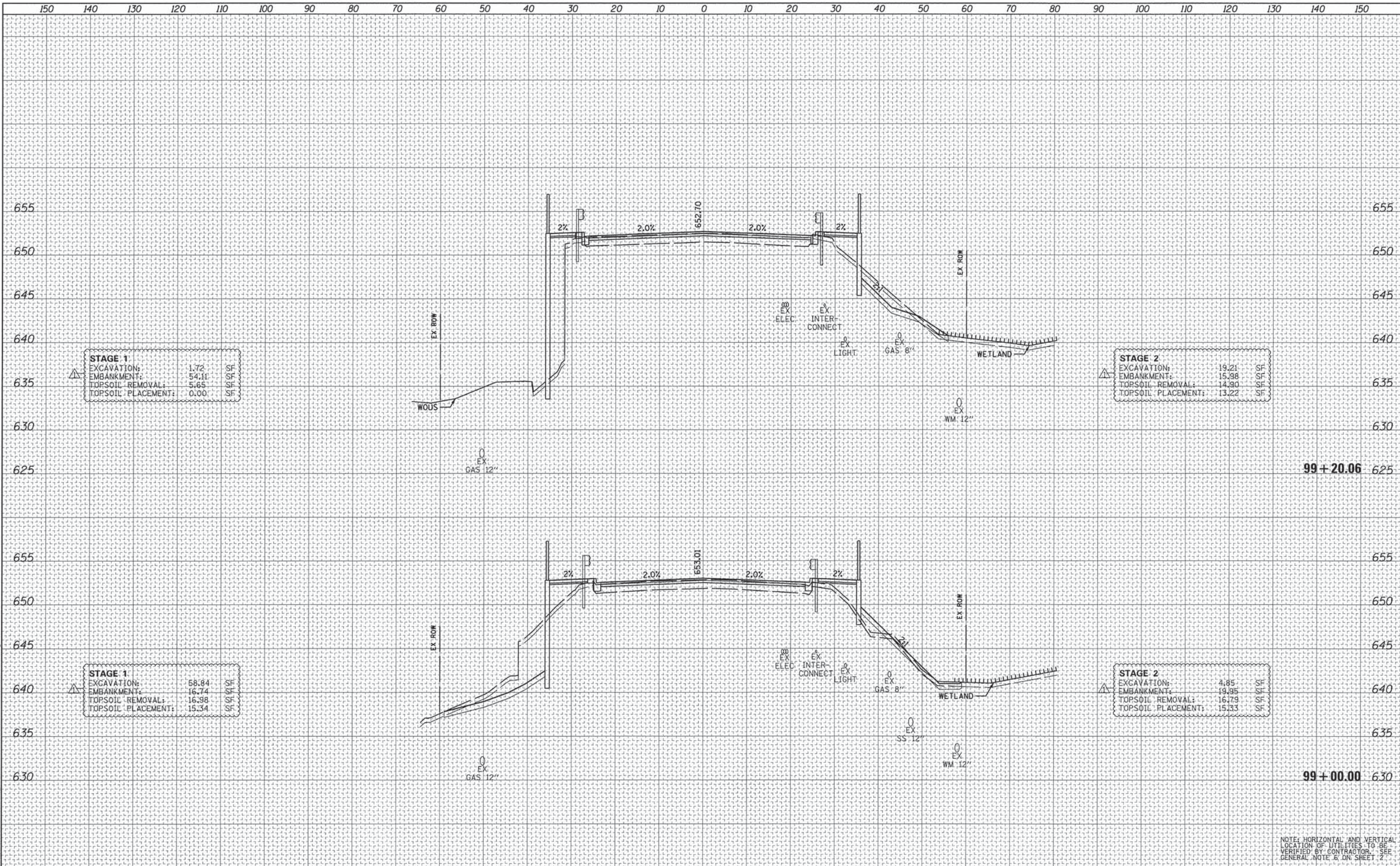
<b>STAGE 2</b>		
EXCAVATION:	0.08	SF
EMBANKMENT:	12.59	SF
TOPSOIL REMOVAL:	16.71	SF
TOPSOIL PLACEMENT:	15.42	SF

NOTE: HORIZONTAL AND VERTICAL LOCATION OF UTILITIES TO BE VERIFIED BY CONTRACTOR. SEE GENERAL NOTE 6 ON SHEET 2

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

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

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**STAGE 1**  
EXCAVATION: 1.72 SF  
EMBANKMENT: 54.11 SF  
TOPSOIL REMOVAL: 5.65 SF  
TOPSOIL PLACEMENT: 0.00 SF

**STAGE 2**  
EXCAVATION: 19.21 SF  
EMBANKMENT: 15.98 SF  
TOPSOIL REMOVAL: 14.90 SF  
TOPSOIL PLACEMENT: 13.22 SF

**STAGE 1**  
EXCAVATION: 58.84 SF  
EMBANKMENT: 16.74 SF  
TOPSOIL REMOVAL: 16.98 SF  
TOPSOIL PLACEMENT: 15.34 SF

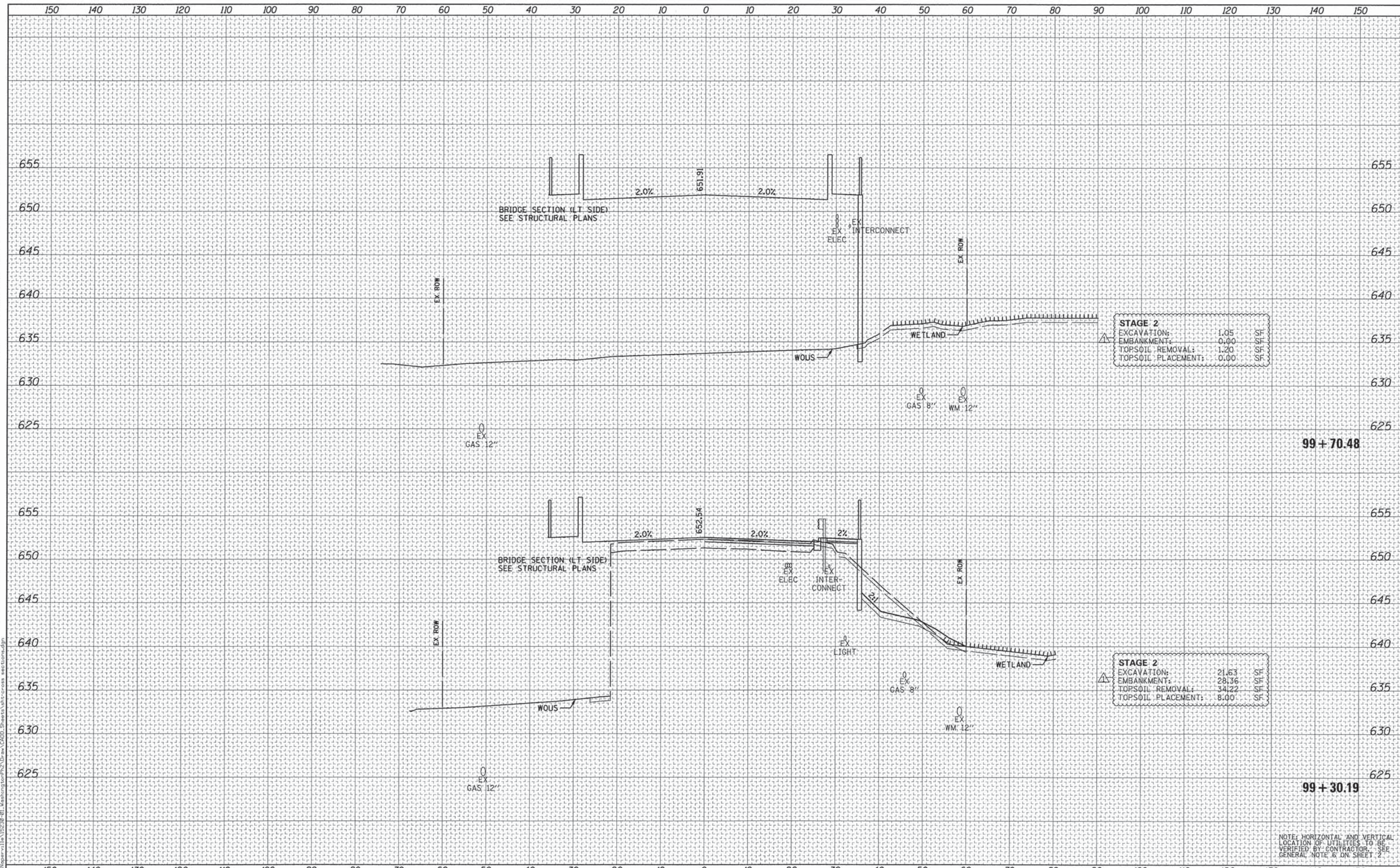
**STAGE 2**  
EXCAVATION: 4.85 SF  
EMBANKMENT: 19.95 SF  
TOPSOIL REMOVAL: 16.79 SF  
TOPSOIL PLACEMENT: 15.33 SF

NOTE: HORIZONTAL AND VERTICAL LOCATION OF UTILITIES TO BE VERIFIED BY CONTRACTOR. SEE GENERAL NOTE 6 ON SHEET 2.

DATE	
BY	
FINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

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<b>STAGE 2</b>		
EXCAVATION:	1.05	SF
EMBANKMENT:	0.00	SF
TOPSOIL REMOVAL:	1.20	SF
TOPSOIL PLACEMENT:	0.00	SF

<b>STAGE 2</b>		
EXCAVATION:	21.63	SF
EMBANKMENT:	28.36	SF
TOPSOIL REMOVAL:	34.22	SF
TOPSOIL PLACEMENT:	8.00	SF

NOTE: HORIZONTAL AND VERTICAL LOCATION OF UTILITIES TO BE VERIFIED BY CONTRACTOR. SEE GENERAL NOTE 6 ON SHEET 2.



USER NAME = Peter Ross	DESIGNED - PFR	REVISED - 2/12/2016
PLOT SCALE = 10,000'S / 1"	DRAWN - PFR	REVISED -
PLOT DATE = 2/12/2016 3:48:17 PM	CHECKED - PFR	REVISED -
	DATE - 12/7/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

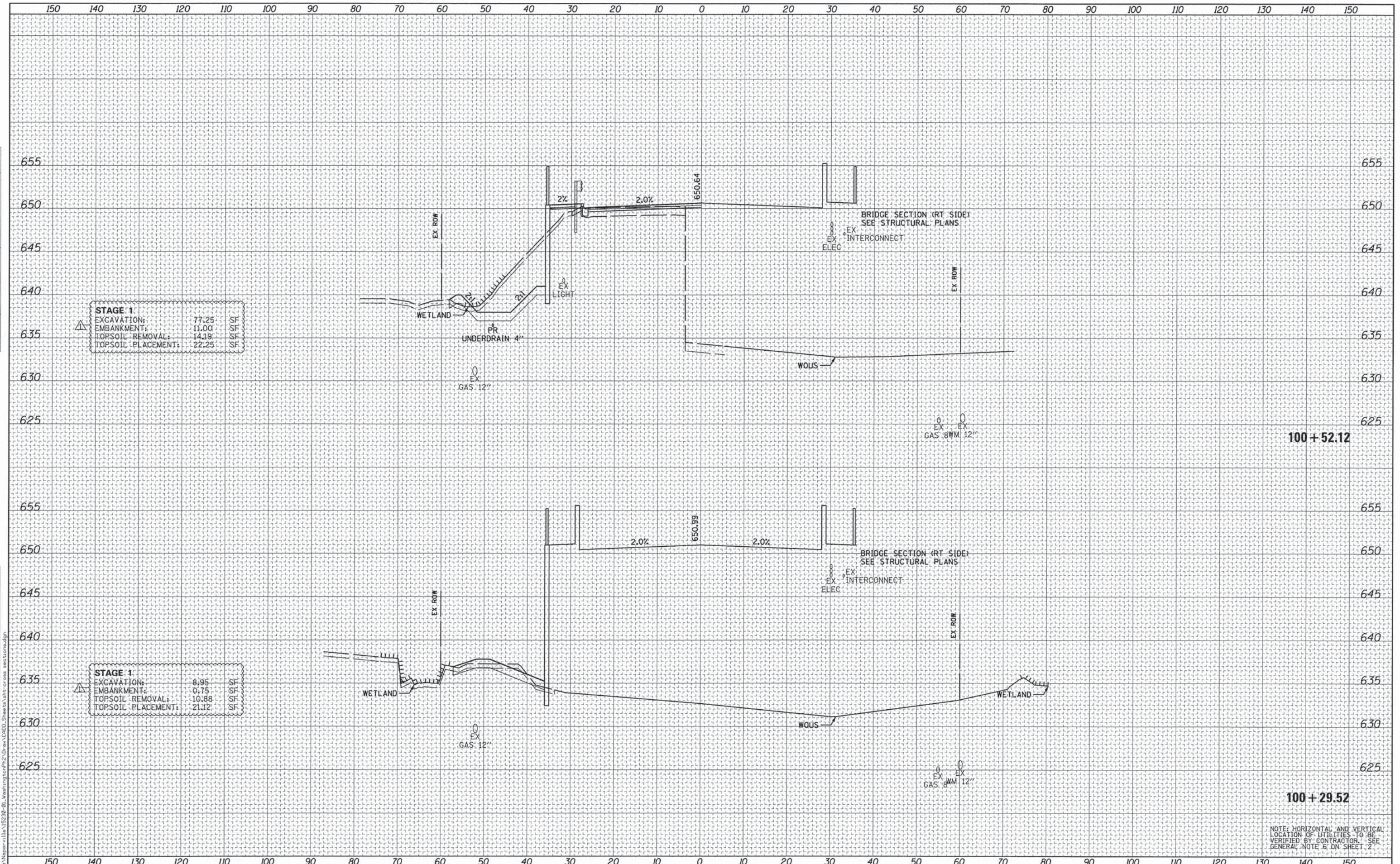
CROSS SECTIONS  
WASHINGTON STREET

SCALE: 1"=10'/5' SHEET 5 OF 11 SHEETS STA. 99+30.19 TO STA. 99+70.48

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	14-00161-00-BR	WILL	86	80
CONTRACT NO. 61C38				
[ILLINOIS] FED. AID PROJECT DPC-M-4003(356)				

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



**STAGE 1**  
 EXCAVATION: 77.25 SF  
 EMBANKMENT: 11.00 SF  
 TOPSOIL REMOVAL: 14.19 SF  
 TOPSOIL PLACEMENT: 22.25 SF

**STAGE 1**  
 EXCAVATION: 8.95 SF  
 EMBANKMENT: 0.75 SF  
 TOPSOIL REMOVAL: 10.88 SF  
 TOPSOIL PLACEMENT: 21.12 SF

NOTE: HORIZONTAL AND VERTICAL LOCATION OF UTILITIES TO BE VERIFIED BY CONTRACTOR. SEE GENERAL NOTE 6 ON SHEET 2.



USER NAME = Peter Ross	DESIGNED - PFR	REVISED - 2/12/2016
PLLOT SCALE = 10.0005' / in.	DRAWN - PFR	REVISED -
PLLOT DATE = 2/12/2016 3:40:17 PM	CHECKED - PFR	REVISED -
	DATE - 12/7/2015	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

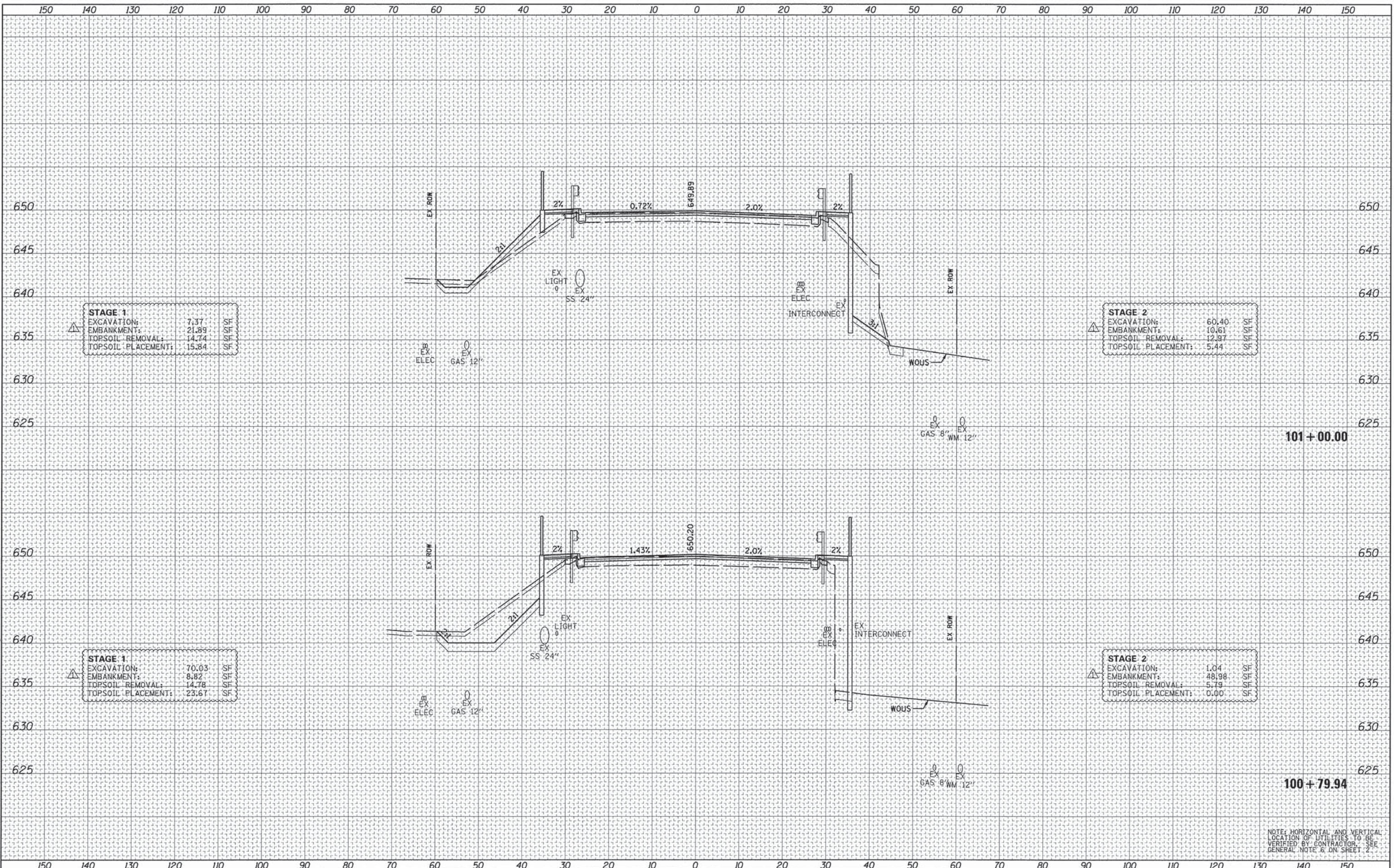
CROSS SECTIONS WASHINGTON STREET		
SCALE: 1"=10'/5'	SHEET 6	OF 11 SHEETS
STA. 100+29.52 TO STA. 100+52.12		

F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 81
CONTRACT NO. 61C38			ILLINOIS FED. AID PROJECT DPC-M-40033561	

DATE	
BY	
FINAL SURVEY	
REVISIONS	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
REVISIONS	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

FILE NAME = L:\Mapgen\111\152208-01\_Washington\111\152208-01\_CADD\_Sheets\111\cross\_sections\111.dgn



**STAGE 1**

EXCAVATION:	7.37	SF
EMBANKMENT:	21.89	SF
TOPSOIL REMOVAL:	14.74	SF
TOPSOIL PLACEMENT:	15.84	SF

**STAGE 2**

EXCAVATION:	60.40	SF
EMBANKMENT:	10.61	SF
TOPSOIL REMOVAL:	12.97	SF
TOPSOIL PLACEMENT:	5.44	SF

**STAGE 1**

EXCAVATION:	70.03	SF
EMBANKMENT:	8.82	SF
TOPSOIL REMOVAL:	14.78	SF
TOPSOIL PLACEMENT:	23.67	SF

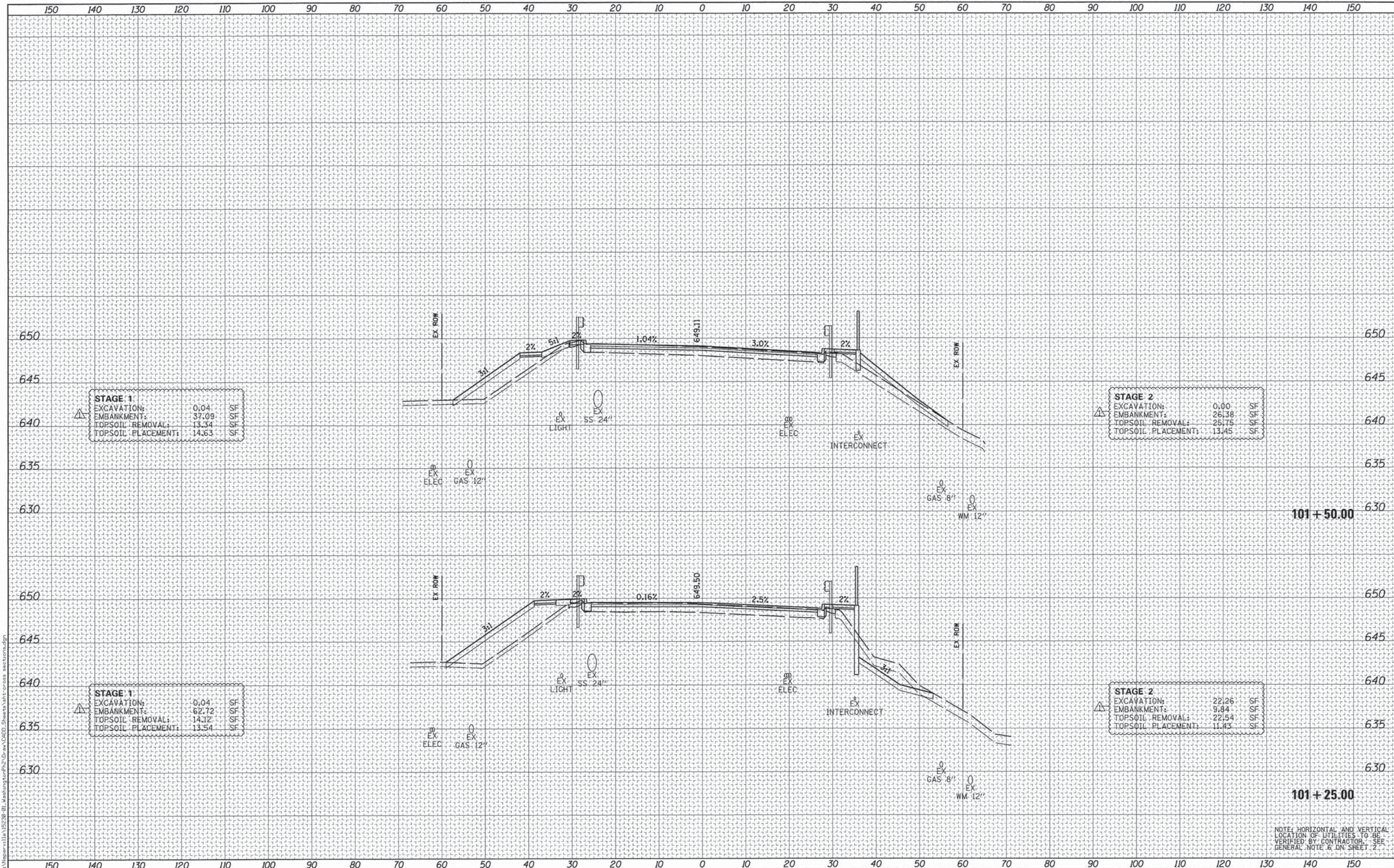
**STAGE 2**

EXCAVATION:	1.04	SF
EMBANKMENT:	48.98	SF
TOPSOIL REMOVAL:	5.79	SF
TOPSOIL PLACEMENT:	0.00	SF

NOTE: HORIZONTAL AND VERTICAL LOCATION OF UTILITIES TO BE VERIFIED BY CONTRACTOR. SEE GENERAL NOTE 6 ON SHEET 2.

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



<b>STAGE 1</b>			
EXCAVATION:	0.04	SF	
EMBANKMENT:	37.09	SF	
TOPSOIL REMOVAL:	13.34	SF	
TOPSOIL PLACEMENT:	14.63	SF	

<b>STAGE 2</b>			
EXCAVATION:	0.00	SF	
EMBANKMENT:	26.38	SF	
TOPSOIL REMOVAL:	25.75	SF	
TOPSOIL PLACEMENT:	13.45	SF	

<b>STAGE 1</b>			
EXCAVATION:	0.04	SF	
EMBANKMENT:	62.72	SF	
TOPSOIL REMOVAL:	14.12	SF	
TOPSOIL PLACEMENT:	13.54	SF	

<b>STAGE 2</b>			
EXCAVATION:	22.26	SF	
EMBANKMENT:	9.84	SF	
TOPSOIL REMOVAL:	22.54	SF	
TOPSOIL PLACEMENT:	11.43	SF	

NOTE: HORIZONTAL AND VERTICAL LOCATION OF UTILITIES TO BE VERIFIED BY CONTRACTOR - SEE GENERAL NOTE 6 ON SHEET 2



USER NAME = Peter Ross	DESIGNED - PFR	REVISED - 2/12/2016
PLLOT SCALE = 10.0005' / 1"	DRAWN - PFR	REVISED -
PLLOT DATE = 2/12/2016 3:40:18 PM	CHECKED - PFR	REVISED -
	DATE - 12/7/2015	REVISED -

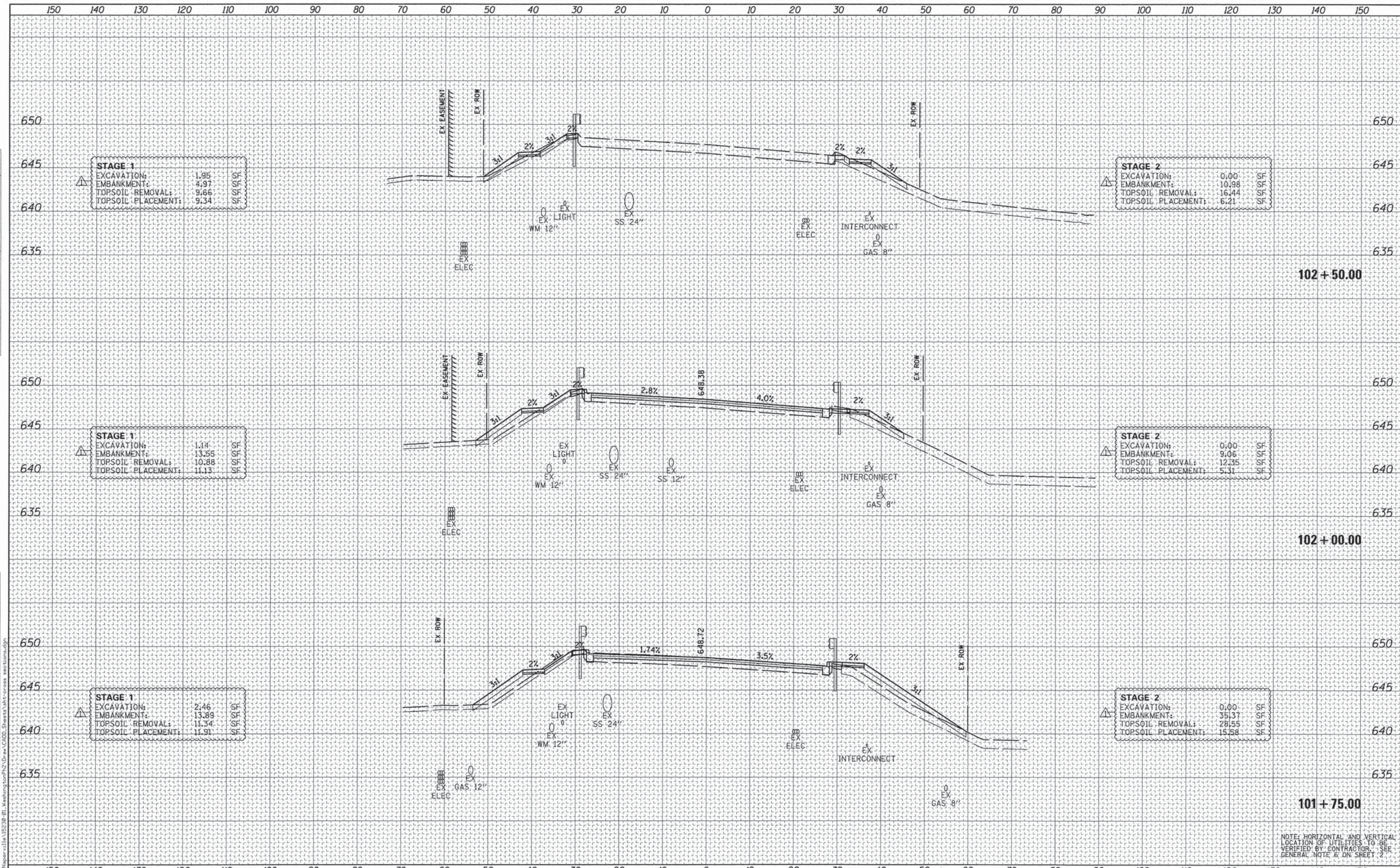
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>CROSS SECTIONS</b>			
<b>WASHINGTON STREET</b>			
SCALE: 1"=10'/5'	SHEET 8	OF 11 SHEETS	STA. 101+25.00 TO STA. 101+50.00

F.A.U. RTE. 2552	SECTION 14-00161-00-BR	COUNTY WILL	TOTAL SHEETS 86	SHEET NO. 83
				CONTRACT NO. 61C38
[ILLINOIS] FED. AID PROJECT DPC-M-4003(356)				

DATE	
BY	
REVIEWED	
PLANNED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
REVIEWED	
PLANNED	
FINAL SURVEY	
NOTE BOOK	
NO.	

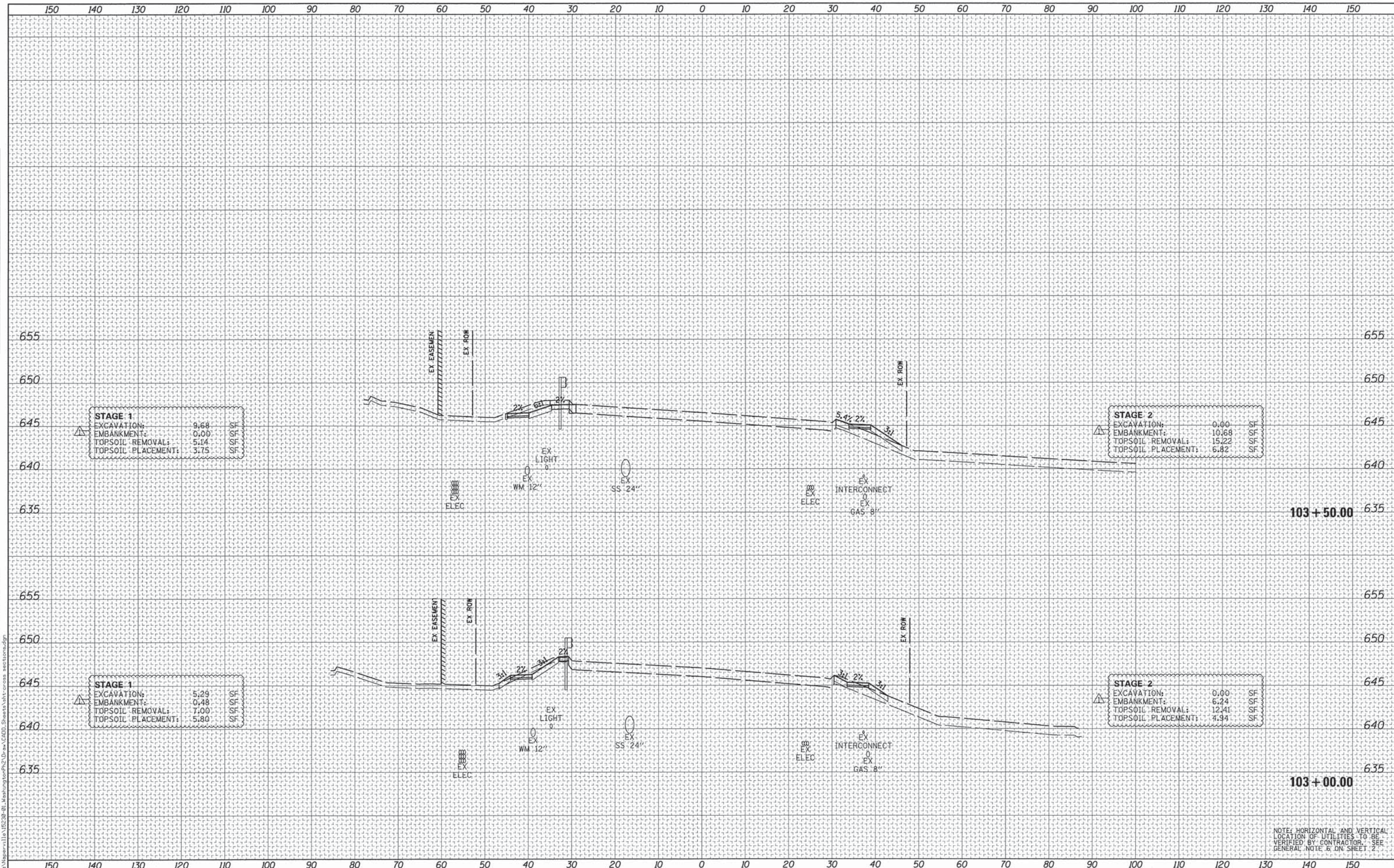


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NOTE: HORIZONTAL AND VERTICAL LOCATION OF UTILITIES TO BE VERIFIED BY CONTRACTOR. SEE GENERAL NOTE 6 ON SHEET 2

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

DATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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NOTE: HORIZONTAL AND VERTICAL LOCATION OF UTILITIES TO BE VERIFIED BY CONTRACTOR. SEE GENERAL NOTE 6 ON SHEET 2.



USER NAME = Pator Ross	DESIGNED - PFR	REVISED - 2/12/2016
	DRAWN - PFR	REVISED -
PLOT SCALE = 10.0005' / in.	CHECKED - PFR	REVISED -
PLOT DATE = 2/12/2016 3:40:19 PM	DATE - 12/7/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
WASHINGTON STREET

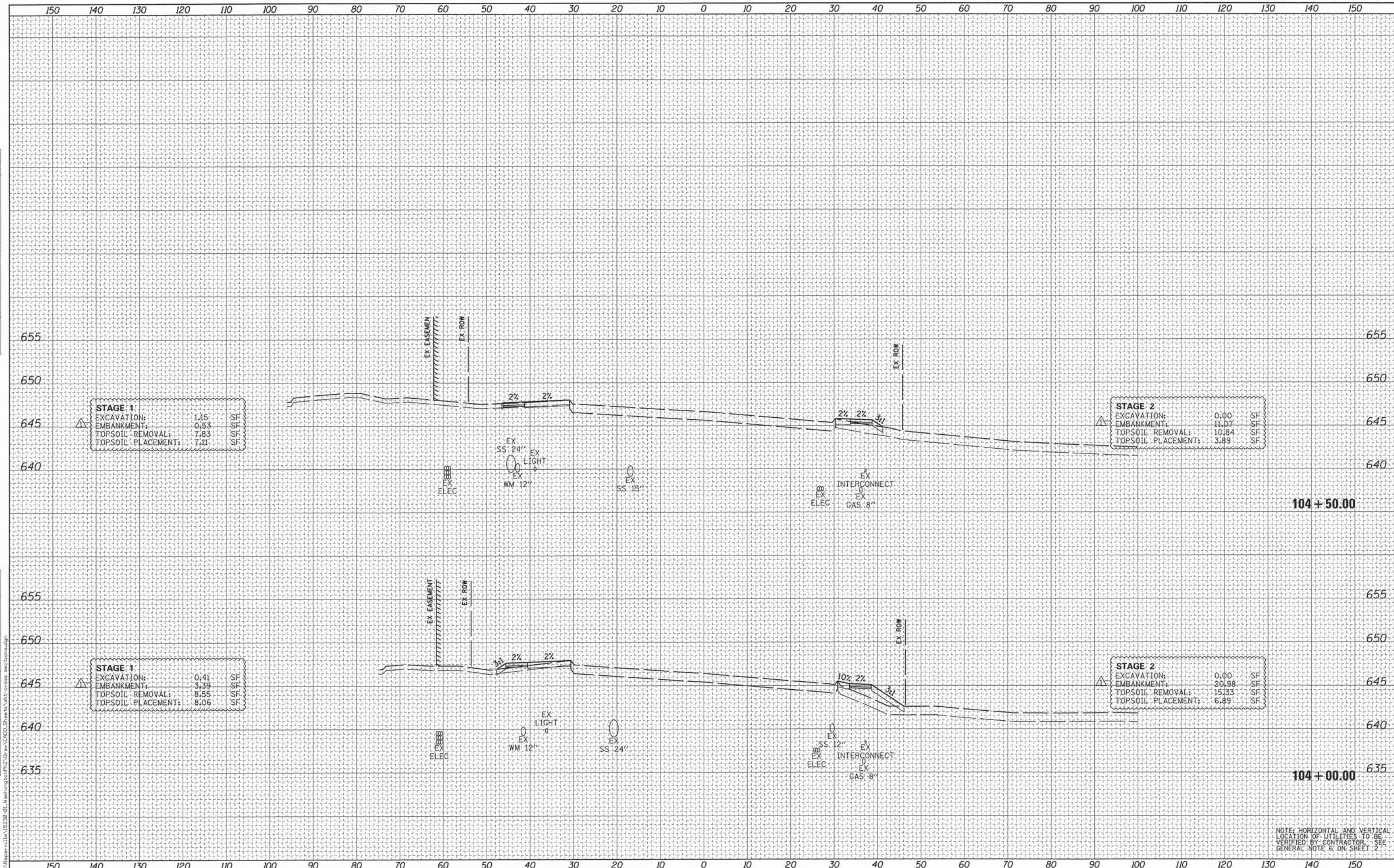
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	14-00161-00-BR	WILL	86	85
				CONTRACT NO. 61C38
ILLINOIS FED. AID PROJECT DPC-M-4003(356)				



DATE	
BY	
SURVEYED	
PLOTTED	
NOTE DATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE DATE	
AREAS CHECKED	
NO.	



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NOTE: HORIZONTAL AND VERTICAL LOCATION OF UTILITIES TO BE VERIFIED BY CONTRACTOR. SEE GENERAL NOTE 6 ON SHEET 2



USER NAME = Peter Ross	DESIGNED - PFR	REVISED - 2/12/2016
PLOT SCALE = 10.0005' / 1"	DRAWN - PFR	REVISED -
PLOT DATE = 2/12/2016 3:48:19 PM	CHECKED - PFR	REVISED -
	DATE - 12/7/2015	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
WASHINGTON STREET

SCALE: 1"=10'/5' SHEET 11 OF 11 SHEETS STA. 104+00.00 TO STA. 104+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2552	14-00161-00-BR	WILL	86	86
				CONTRACT NO. 61C38
ILLINOIS FED. AID PROJECT DPC-M-40033561				