

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-P4002-00-BR	SANGAMON	\$TOT\$	\$SHT\$
* TR 1028 A & D				

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES AND COMMITMENTS
- 3-8 SUMMARY OF QUANTITIES
- 9-10 SCHEDULE OF QUANTITIES
- 11-12 TYPICAL SECTIONS
- 13 ALIGNMENT, TIES, AND BENCHMARKS
- 14 MAINTENANCE OF TRAFFIC
- 15 REMOVAL PLAN
- 16-18 PLAN & PROFILE SHEETS
- 19 PAVEMENT MARKING AND SIGNING
- 20-40 BRIDGE PLANS
- 41-44 STORM WATER POLLUTION PREVENTION PLAN
- 45 EROSION CONTROL PLAN
- 46 TEMPORARY DAM DETAIL
- 47-55 CROSS SECTIONS

SPRINGFIELD PARK DISTRICT PROPOSED STRUCTURE REPLACEMENT PLANS

ROUTE TR 1028 A & D (RING ROAD)
SECTION 10-P4002-00-BR
PROJECT BROS-0167 (074)
STRUCTURE REPLACEMENT - WASHINGTON PARK BRIDGES
C-96-229-13

HIGHWAY STANDARDS

000001-06	420401-12	701321-15
001001-02	515001-03	701901-05
001006	701201-04	780001-05
280001-07	701306-03	

BEGIN IMPROVEMENT
NORTH RING ROAD
STA. 119 + 93.20

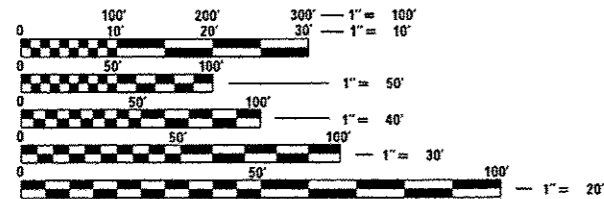
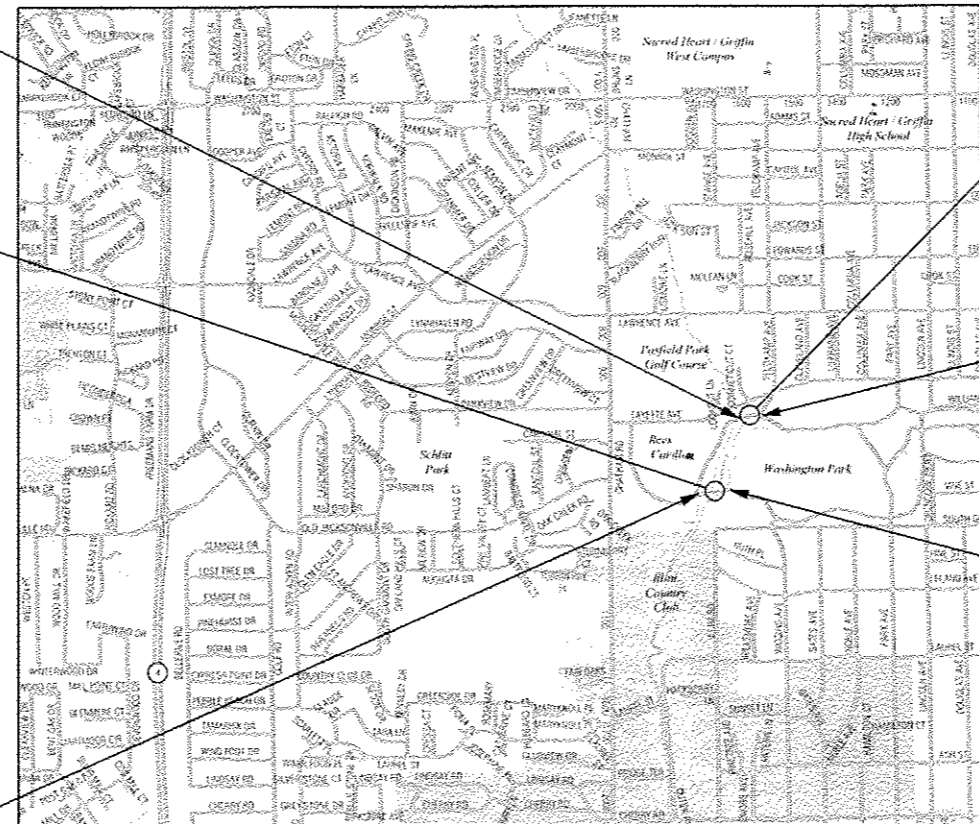
REMOVE EXISTING BRIDGE (SN 084-6010)
AND REPLACE WITH A SINGLE SPAN
PRECAST THREE - SIDED STRUCTURE;
30'-0" OUT TO OUT; 44'-4" LENGTH.
(SN 084-6022)

REMOVE EXISTING BRIDGE (SN 084-6009)
AND REPLACE WITH A SINGLE SPAN
PRECAST THREE - SIDED STRUCTURE;
30'-0" OUT TO OUT; 44'-4" LENGTH.
(SN 084-6021)

END IMPROVEMENT
NORTH RING ROAD
STA. 121 + 74.4

END IMPROVEMENT
SOUTH RING ROAD
STA. 14 + 05.9

BEGIN IMPROVEMENT
SOUTH RING ROAD
STA. 11 + 00.0



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

CALL J.U.L.I.E. (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS)
48 Hours (2 working days) Before You Dig.
TOLL FREE: 1 (800) 892-0123

APPROXIMATE SCALE: 0 0.25 0.50 MI

FAP 745 (IL 104)
FUNCTION CLASS = LOCAL
A.D.T. (2011) 800
SU (2011) 30
MU (2011) 120
PV (2011) 650
GROSS LENGTH = 480.00 FT. = 0.091 MILE
NET LENGTH = 480.00 FT. = 0.091 MILE
DESIGN SPEED = 15 MPH

KNIGHT
Engineers & Architects
993 Clocktower Drive
Suite A
Springfield, IL 62704
Phone: (217) 546-7455

APPROVED *Elton R. McKinley* 2-19-16
SPRINGFIELD, PARK DISTRICT
PASSED *[Signature]* 2/19/16
DISTRICT SIX ENGINEER OF LOCAL ROADS & STREETS
PASSED February 19, 2016
Ron Wehman
DISTRICT SIX ENGINEER OF CONSTRUCTION
RELEASING FOR BID
BASED ON LIMITED REVIEW
2/19/16
[Signature]
REGIONAL ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS
WILLIAM P. MURPHY
081-004491
CHICAGO
DATE: 10/26/2015
LICENSE EXP. 11/30/2016

JEFFREY S. ANTONICCI
062-048904
LICENSED PROFESSIONAL ENGINEER OF
ILLINOIS
DATE: 2/18/2016
LICENSE EXP. 11/30/2017

GENERAL NOTES

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
2. THESE PLANS HAVE BEEN PREPARED USING STANDARD SYMBOLS AS INDICATED IN THESE PLANS, AND THEY SHALL TAKE PRECEDENCE OVER THOSE SHOWN ON STANDARD 000001 IF THERE IS A CONFLICT.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
4. THE CONTRACTOR SHALL PROTECT UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, BY CONTACTING THE UTILITY COMPANY DIRECTLY.

IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN SUBMITTING HIS BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCES CAUSED BY THE SAME.

THE INFORMATION AND DATA SHOWN OR INDICATED ON THESE IMPROVEMENT PLANS WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AND UTILITIES AT OR CONTIGUOUS TO THE SITE IS BASED ON INFORMATION AND DATA FURNISHED BY THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES OR BY OTHERS, FIELD MARKINGS OF FACILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96 HOURS ADVANCE NOTICE TO THE RESIDENT ENGINEER SO THAT UTILITIES CAN BE GIVEN NOTICE. NO GUARANTEE IS IMPLIED AS TO THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA, AND CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, VERIFYING IF ANY CONFLICTS EXIST WITH THE PROPOSED WORK AND UNDERGROUND FACILITIES AND UTILITIES SHOWN OR INDICATED ON THE IMPROVEMENT PLANS, COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES DURING CONSTRUCTION, AND THE SAFETY AND PROTECTION OF ALL SUCH UNDERGROUND FACILITIES AND UTILITIES AND REPAIR ANY DAMAGE THERETO RESULTING FROM THE WORK AT HIS EXPENSE.

COMCAST
701 DIRKSEN PARKWAY
SPRINGFIELD, IL 62703
(217) 788-5659

SPRINGFIELD METRO SANITARY DISTRICT
3000 N. 8TH ST.
SPRINGFIELD, IL 62707
(217) 528-0491

CITY, WATER, LIGHT & POWER
ROOM 101
MUNICIPAL CENTER WEST
300 S. 7TH ST.
SPRINGFIELD, IL 62757
(217) 789-2121

AMEREN ILLINOIS COMPANY
217 N. 9TH ST.
SPRINGFIELD, IL 62702
(217) 523-1792

CITY, WATER, LIGHT & POWER
WATER ENGINEERING
401 N. 11TH ST.
SPRINGFIELD, IL 62702
(217) 789-2323

SPRINGFIELD PARK DISTRICT
2500 S. 11TH ST.
SPRINGFIELD, IL 62703
(217) 544-1751

J.U.L.I.E. 1-800-892-0123

5. ALL UTILITIES TO BE RELOCATED BY OTHERS.
6. FULL DEPTH SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS.
7. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING THE REQUIREMENTS OF AN NPDES STORM WATER PERMIT FOR CONSTRUCTION ACTIVITY FOR THIS PROJECT.
9. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATE BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE A COPY OF THE MANUFACTURER'S RECOMMENDED INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.
10. ALL SIGNS AND DELINEATORS CONFLICTING WITH TRAFFIC CONTROL OR CONSTRUCTION SHALL BE REMOVED AND REPLACED BY THE CONTRACTORS. THIS WORK WILL BE INCLUDED WITH THE COST FOR TRAFFIC CONTROL ON THE PROJECT. IN ADDITION, THE COST TO RELOCATE SIGNS DESIGNATED ON THE PLAN SHEETS WILL ALSO BE INCIDENTAL TO THE TRAFFIC CONTROL FOR THOSE AREAS.

COMMITMENTS
NONE.

RATES OF APPLICATION TABLE	
BITUMINOUS MATERIALS (PRIME COAT)	0.38 GAL/SQ YD
BITUMINOUS SURFACE/BINDER (112 LBS)	0.056 TON/SQ YD • IN
SEEDING AREA	
NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE USE(S):	POLYMERIZED HMA SURFACE COURSE - 1 1/2"	HMA BINDER COURSE - 8"
PG:	SBS PG 64-28	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICITION AGGREGATE:	MIX C	N/A
QUALITY MANAGEMENT:	QC/QA	QC/QA

USER NAME = jloaf	DESIGNED -	REVISED - 12/30/2015	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	GENERAL NOTES AND COMMITMENTS				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1/4" = 1'-0"	DRAWN - BDM	REVISED -						* 10-P4002-00-BR	SANGAMON	55	2	
PLOT DATE = 2/8/2016	CHECKED - JSA	REVISED -		SCALE: NONE	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			
	DATE - 7/15/09	REVISED -										

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				PROJECT & MULTI-USE PATH	NORTH BRIDGE	SOUTH BRIDGE
				0001	0010	0010
				URBAN	S.N.084-6021	S.N.084-6022
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	21		9	12
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	42		42	
20200100	EARTH EXCAVATION	CU YD	54	54		
20300100	CHANNEL EXCAVATION	CU YD	5098	5098		
20400800	FURNISHED EXCAVATION	CU YD	67			67
20800150	TRENCH BACKFILL	CU YD	15		15	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	35	35		
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	240	240		
25000200	SEEDING, CLASS 2	ACRE	0.3	0.3		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	26	26		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	26	26		
25100115	MULCH, METHOD 2	ACRE	0.3	0.3		
25100630	EROSION CONTROL BLANKET	SQ YD	84	84		
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	285	285		

USER NAME = jleaf	DESIGNED -	REVISED -	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	SUMMARY OF QUANTITIES				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = 1/4" = 1'	DRAWN - BDM	REVISED -		SCALE: NONE	SHEET NO.	OF	SHEETS	STA.	TO	STA.	10-P4002-00-BR	SANGAMON	55	3
PLOT DATE = 2/8/2016	CHECKED - JSA	REVISED -		* TR 1028 A & D										
	DATE - 7/15/09	REVISED -		ILLINOIS FED. AID PROJECT										

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				PROJECT & MULTI-USE PATH	NORTH BRIDGE	SOUTH BRIDGE
				ROADWAY	BRIDGE	BRIDGE
				0028 URBAN	0011 S.N.084-6021	0011 S.N.084-6022
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	29	29		
28000400	PERIMETER EROSION BARRIER	FOOT	3285	2260	240	785
28000510	INLET FILTERS	EACH	4		2	2
28100107	STONE RIPRAP, CLASS A4	SQ YD	1061		653	408
28200200	FILTER FABRIC	SQ YD	1114		653	461
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	885	525	360	
31101600	SUBBASE GRANULAR MATERIAL, TYPE B 8"	SQ YD	1292		593	699
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	2082		0.3	0.7
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	416		133.5	282.5
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	164		82	82
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	341		96	245
40603510	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	78		25	53
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	9702	8866	418	418
44000100	PAVEMENT REMOVAL	SQ YD	640		164	476

USER NAME = jloef	DESIGNED -	REVISED - 12/30/2015	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	SUMMARY OF QUANTITIES				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 1/4" = 1'	DRAWN - BDM	REVISED - 02/08/2016		SCALE: NONE	SHEET NO.	OF	SHEETS	STA.	TO STA.	* 10-PA002-00-BR	SANGAMON	55	4
PLOT DATE = 2/8/2016	CHECKED - JSA	REVISED -		* TR 1028 A & D									
DATE = 7/15/09	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT									

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				PROJECT & MULTI-USE PATH	NORTH BRIDGE	SOUTH BRIDGE
				ROADWAY	0011	0011
				0028 URBAN	S.N.084-6021	S.N.084-6022
44000400	GUTTER REMOVAL	FOOT	739		216	523
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1		1	
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1		1	
50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1			1
50104650	SLOPE WALL REMOVAL	SQ YD	241		241	
50157300	PROTECTIVE SHIELD	SQ YD	318		159	159
50200100	STRUCTURE EXCAVATION	CU YD	379		273	106
50200300	COFFERDAM EXCAVATION	CU YD	1430		918	512
50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	43			43
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
50201104	COFFERDAM (TYPE 1) (LOCATION - 4)	EACH	1			1
50300225	CONCRETE STRUCTURES	CU YD	165		112	53

USER NAME = jleaf	DESIGNED -	REVISED - 02/08/2016	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	SUMMARY OF QUANTITIES				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 1/4" = 1'-0"	DRAWN - BDM	REVISED -		SCALE: NONE	SHEET NO.	OF	SHEETS	STA.	TO STA.	* 10-P4002-00-BR	SANGAMON	55	5
PLOT DATE = 2/8/2016	CHECKED - JSA	REVISED -								* TR 1028 A & D			
	DATE - 7/15/09	REVISED -									ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				PROJECT & MULTI-USE PATH	NORTH BRIDGE	SOUTH BRIDGE
				0028	0011	0011
				URBAN	S.N.084-6021	S.N.084-6022
50300300	PROTECTIVE COAT	SQ YD	523		523	
50500505	STUD SHEAR CONNECTORS	EACH	345		345	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	7000		2900	4100
51100300	SLOPE WALL 6 INCH	SQ YD	362		362	0
51201600	FURNISHING STEEL PILES HP12X53	FOOT	598		416	182
51202305	DRIVING PILES	FOOT	598		416	182
51203600	TEST PILE STEEL HP12X53	EACH	3		2	1
51500100	NAME PLATES	EACH	2		1	1
52200010	TEMPORARY SHEET PILING	SQ FT	897	897		
52200015	PERMANENT SHEET PILING	SQ FT	2368		2368	
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1		1	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	17		17	
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	27		27	
55100700	STORM SEWER REMOVAL 15"	FOOT	50		50	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				PROJECT & MULTI-USE PATH ROADWAY	NORTH BRIDGE	SOUTH BRIDGE
				0028	0017	0017
				URBAN	S.N.084-6021	S.N.084-6022
60260100	INLETS TO BE ADJUSTED	EACH	2			2
* 60300350	MANHOLE FRAMES TO BE ADJUSTED	EACH	1	1		
60500060	REMOVING INLETS	EACH	2		2	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6		
67100100	MOBILIZATION	LSUM	1	1		
△ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	49.4		24.7	24.7
△ 78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	450		144	306
△ 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	110		55	55
△ 81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	370		180	190
* X0322881	TREE TRIMMING	EACH	4		3	1
* X0323710	REMOVE CONDUIT ATTACHED TO STRUCTURE	FOOT	90		45	45
* X0327149	RELOCATE BENCH	EACH	1	1		
△ * X1400013	REMOVAL OF CABLE IN CONDUIT	FOOT	110		55	55
△ * X5091765	PIPE HANDRAIL, SPECIAL	FOOT	174		87	87

* = SPECIAL PROVISION △ SPECIALTY ITEMS

USER NAME = jleaf	DESIGNED -	REVISED - 02/08/2016	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	SUMMARY OF QUANTITIES				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 1"=40'	DRAWN - BDM	REVISED -		SCALE: NONE	SHEET NO.	OF	SHEETS	STA.	TO STA.	10-P4002-00-BR	SANGAMON	55	7
PLOT DATE = 2/8/2016	CHECKED - JSA	REVISED -		* TR 1028 A & D									
	DATE - 7/15/09	REVISED -		ILLINOIS FED. AID PROJECT									

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE			
				PROJECT & MULTI-USE PATH	NORTH BRIDGE	SOUTH BRIDGE	
				ROADWAY	0011	0011	
				0028 URBAN	S.N.084-6021	S.N.084-6022	
△ *	X5610706	WATER MAIN REMOVAL, 6"	FOOT	100		100	
*	X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	1464		715	749
*	X6022705	CATCH BASINS, TYPE A, 4'-DIAMETER, WITH SALVAGED FRAME AND GRATE	EACH	1		1	
*	X6023500	INLETS, TYPE A, WITH SALVAGED FRAME AND GRATE	EACH	1		1	
*	X6063000	CONCRETE GUTTER, TYPE B (SPECIAL)	FOOT	739		216	523
*	X7010222	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21 (SPECIAL)	LSUM	1	1		
△ *	X8410102	TEMPORARY LIGHTING SYSTEM	LSUM	1	1		
*	Z0007120	WELDED WIRE FABRIC 6X6	SQ YD	530		530	
*	Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1		
*	Z0033039	DISCONNECT AND RECONNECT ELECTRIC SERVICE	EACH	4		2	2
*	Z0038147	THREE-SIDED PRECAST CONCRETE STRUCTURES 42'X 11'	FOOT	30.1			30.1
*	Z0038148	THREE-SIDED PRECAST CONCRETE STRUCTURES 42'X 9.43'	FOOT	30.1		30.1	
#	Z007400	TRAINNEES	Hour	1,000.00			
#	Z007401	TRAINNEES TAG	Hour	1,000.00			

* = SPECIAL PROVISION
 △ SPECIALTY ITEMS
 # 0042

TREE REMOVAL (6-15 UNITS DIAMETER)			
LOCATION	OFFSET	SIDE	QUANTITY UNIT
120+38	27.0	LT	9
14+12	39.0	LT	12
PROJECT TOTAL			21

TREE REMOVAL (OVER 15 UNITS DIAMETER)			
LOCATION	OFFSET	SIDE	QUANTITY UNIT
120+93	25.0	RT	42
PROJECT TOTAL			42

TRENCH BACKFILL			
FROM		LT/RT	QUANTITY CU YD
120+13		RT	5
120+13		LT	8
120+24		LT	2
PROJECT TOTAL			15

SUBBASE GRANULAR MATERIAL, TYPE B 6"			
FROM	TO	LT/RT	QUANTITY SQ YD
49+24	50+80	LT/RT	191
50+80	54+00	+	142
54+00	57+00	+	67
57+00	59+82	+	125
North Bridge	+	+	360
PROJECT TOTAL			885

SUBBASE GRANULAR MATERIAL, TYPE B 8"			
FROM	TO	LT/RT	QUANTITY SQ YD
120+13	121+44	LT/RT	335
120+44	120+89	LT/RT	133
120+89	121+38	LT/RT	125
11+20	12+17	LT/RT	248
12+17	12+61	LT/RT	133
12+61	13+86	LT/RT	318
PROJECT TOTAL			1,292

EROSION CONTROL BLANKET		
LOCATION		QUANTITY SQ YD
50+50	50+25	8
50+25	50+00	22
50+00	49+75	22
49+75	49+50	21
49+50	49+25	10
PROJECT TOTAL		84

PERIMETER EROSION BARRIER			
FROM	TO	LT/RT	QUANTITY FOOT
NORTH BRIDGE	+	LT	180
NORTH BRIDGE	+	RT	60
SOUTH BRIDGE	+	LT	250
SOUTH BRIDGE	+	RT	185
SOUTH BRIDGE	+	LT	190
SOUTH BRIDGE	+	RT	150
LEVEE SIDEWALK	+	LT/RT	2260
+	+	+	0
+	+	+	0
PROJECT TOTAL			3,285

INLET FILTERS			
FROM		LT/RT	QUANTITY EACH
120+13		LT	1
120+13		RT	1
12+79		RT	1
12+80		LT	1
PROJECT TOTAL			4

FILTER FABRIC	
LOCATION	QUANTITY SQ YD
SOUTH BRIDGE	481
NORTH BRIDGE	653
PROJECT TOTAL	1,114

EARTHWORK SCHEDULE

(1) LOCATION	(2) (Cut) EARTH EXCAVATION (CU YD)	(3) (Cut) ROCK EXCAVATION (CU YD)	(4) EXCAVATION FOR EMBANKMENT ADJUST. FOR SHRINKAGE (CU YD)	(5) (Fill) EMBANKMENT (CU YD)	(6) EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	(7) (Cut) TOPSOIL EXCAVATION & PLACEMENT (CU YD)	(8) (Fill) TOPSOIL EXCAVATION & PLACEMENT (CU YD)	(9) (Balance) TOPSOIL EXCAVATION FURNISH & PLACE 6" (CU YD)	(10) (Cut) CHANNEL EXCAVATION (CU YD)	(11) (Cut) EARTH EXCAVATION FOR EROSION CONTROL (CU YD)
Sta. 10+25 to 14+25	29		22	131	-109					
Sta. 120+00 to 121+25	12		9	20	-11					
Sta. 49+25 to 51+00	13		10	0	10	35	75	-40		
Sta. 49+25 to 57+00									5098	
Sta. 50+00 to 59+00										
Sta. 12+55 to 12+65		43	43		43					285
Sta. 58+40 LT to 58+50 LT										
Total	54	43	84	151	-67	35	75	-40	5098	285

Column (1), (2), (5), (7), (8) & (10) - From Cross Sections
 Column (3) - Rock Excavation to be used in Embankment
 Column (4) - Quantity of Excavation Adjusted for Shrinkage (Earth Ex. 25 % Assumed, Rock Ex. 0% Assumed)
 Column (6) Earthwork Required: (-) = Quantity of Fill or Embankment Needed
 (+) = Quantity to be Wasted
 Column (9) - Topsoil Required: (-) = Quantity of Fill Needed
 (+) = Quantity to be Wasted
 Column (10) - Quantity of Channel Excavation to be Wasted Off Site
 Column (11) - Quantity of Earth Excavation for Erosion Control to be wasted off site.

USER NAME = jleaf	DESIGNED -	REVISED -	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	SCHEDULE OF QUANTITIES				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLLOT SCALE = 1:40	DRAWN - BDM	REVISED -		SCALE: NONE	SHEET NO.	OF SHEETS	STA.	TO STA.	* 10-P4002-00-BR	SANGAMON	55	9
PLLOT DATE = 2/8/2016	CHECKED - JSA	REVISED -							* TR 1028 A & D			
	DATE = 7/15/09	REVISED -										

BITUMINOUS MATERIALS (PRIME COAT)			
FROM	TO	LT/RT	QUANTITY POUND
119+93	121+38	LT/RT	667.4
11+00	14+06	LT/RT	1414.6
PROJECT TOTAL			2,082

PAVEMENT REMOVAL			
FROM	TO	LT/RT	QUANTITY SQ YD
120+13	120+44	LT/RT	64
120+89	121+38	LT/RT	101
11+20	12+17	LT/RT	200
12+61	13+96	LT/RT	276
PROJECT TOTAL			640

CATCH BASINS, TYPE A, 4'-DIAMETER, WITH SALVAGED FRAME AND GRATE			
FROM	TO	LT/RT	QUANTITY EACH
120+13	+	LT	1
+	+	+	0
PROJECT TOTAL			1

STORM SEWERS, CLASS A, TYPE 1 12"			
FROM	TO	LT/RT	QUANTITY FOOT
120+13	+	LT/RT	17
PROJECT TOTAL			17

THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS		
STA	NOTES	QUANTITY SQ FT
120+35	PEDS ONLY	24.7
13+62	PEDS ONLY	24.7
PROJECT TOTAL		49.4

BITUMINOUS MATERIALS (TACK COAT)			
FROM	TO	LT/RT	QUANTITY POUND
119+93	121+38	LT/RT	133.5
11+00	14+06	LT/RT	282.9
PROJECT TOTAL			416

GUTTER REMOVAL			
FROM	TO	LT/RT	QUANTITY FOOT
119+93	120+44	RT	51
119+93	120+44	LT	51
120+89	121+74	RT	85
120+89	121+18	LT	29
11+00	12+17	RT	117
11+00	12+17	LT	117
12+61	14+06	RT	144
12+61	14+06	LT	144
PROJECT TOTAL			739

INLETS, TYPE A, WITH SALVAGED FRAME AND GRATE			
FROM	TO	LT/RT	QUANTITY EACH
120+13	+	RT	1
+	+	+	0
PROJECT TOTAL			1

STORM SEWERS, CLASS A, TYPE 1 15"			
FROM	TO	LT/RT	QUANTITY FOOT
120+13	120+33	LT	27
PROJECT TOTAL			27

THERMOPLASTIC PAVEMENT MARKING - LINE 5"			
FROM	TO	NOTES	QUANTITY FOOT
119+93	121+38	WHITE	144.3
11+00	14+06	WHITE	306.0
PROJECT TOTAL			450.3

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT			
FROM	TO	LT/RT	QUANTITY SQ YD
119+93	120+13	LT/RT	41
121+18	121+38	LT/RT	41
11+00	11+20	LT/RT	41
13+85	14+06	LT/RT	41
PROJECT TOTAL			164

CONCRETE GUTTER, TYPE B (SPECIAL)			
FROM	TO	LT/RT	QUANTITY FOOT
119+93	120+44	RT	51
119+93	120+44	LT	51
120+89	121+74	RT	85
120+89	121+18	LT	29
11+00	12+17	RT	117
11+00	12+17	LT	117
12+61	14+06	RT	144
12+61	14+06	LT	144
PROJECT TOTAL			739

REMOVING INLETS			
FROM	TO	LT/RT	QUANTITY EACH
120+27	+	LT	1
120+27	+	RT	1
PROJECT TOTAL			2

STORM SEWER REMOVAL 15"			
FROM	TO	LT/RT	QUANTITY FOOT
120+26	120+26	LT/RT	25
120+26	120+40	RT	25
PROJECT TOTAL			50

PORTLAND CEMENT CONCRETE SIDEWALK, 6"			
FROM	TO	LT/RT	QUANTITY SQ FT
120+44	120+89	LT/RT	418
12+17	12+61	LT/RT	820
49+24	59+82	+	8464
PROJECT TOTAL			9,702

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50			
FROM	TO	LT/RT	QUANTITY TON
119+93	121+38	LT/RT	25
11+00	14+06	LT/RT	53
PROJECT TOTAL			78

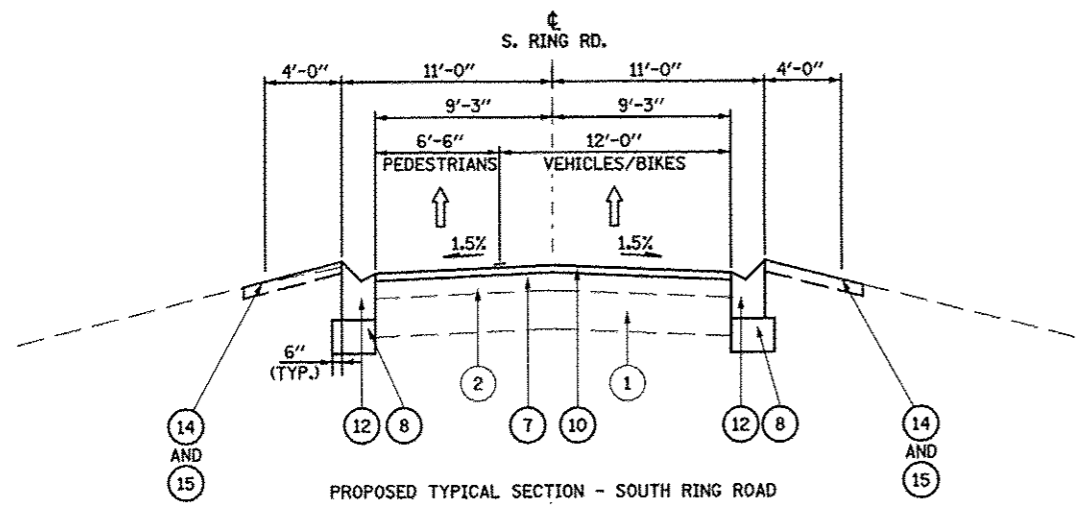
INLETS TO BE ADJUSTED			
FROM	TO	LT/RT	QUANTITY EACH
12+79	+	LT/RT	2
+	+	+	0
PROJECT TOTAL			2

PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"			
FROM	TO	LT/RT	QUANTITY EACH
120+27	+	LT	1
PROJECT TOTAL			1

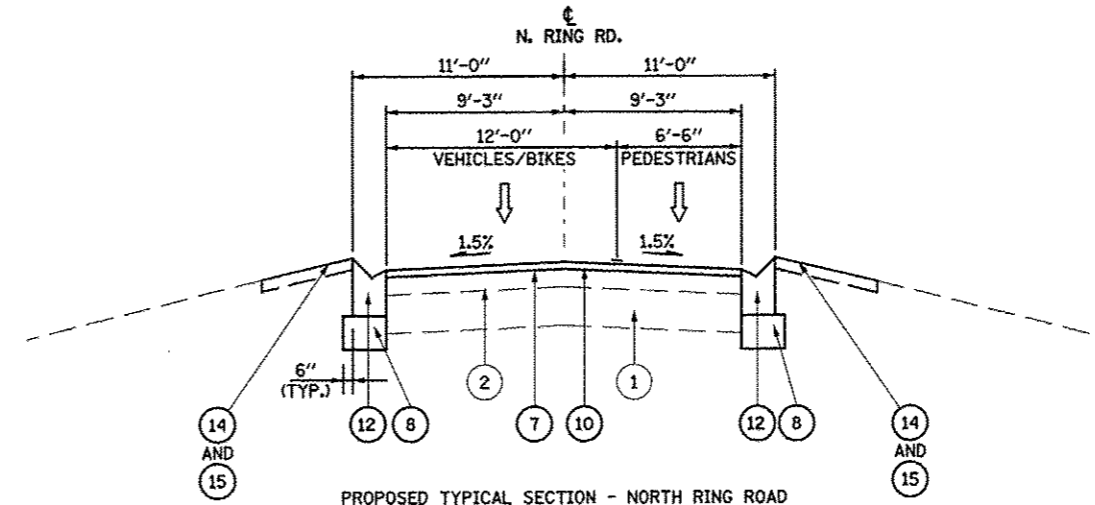
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50			
FROM	TO	LT/RT	QUANTITY TON
120+13	121+18	LT/RT	96
11+20	13+86	LT/RT	245
PROJECT TOTAL			341

MANHOLE FRAMES TO BE ADJUSTED			
FROM	TO	LT/RT	QUANTITY EACH
53+90	+	LT/RT	1
PROJECT TOTAL			1

WATER MAIN REMOVAL, 6"			
FROM	TO	LT/RT	QUANTITY FOOT
120+13	121+13	RT	100
PROJECT TOTAL			100



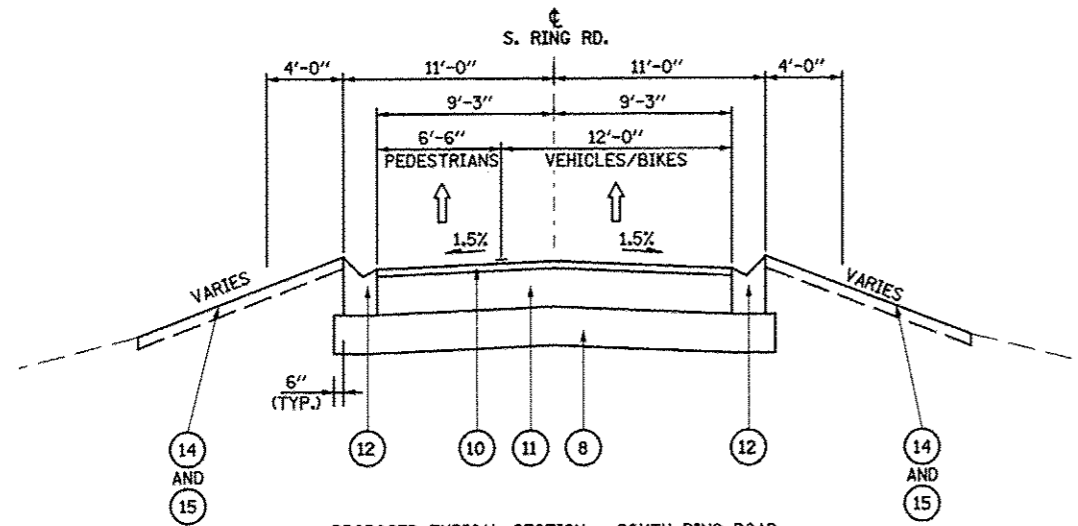
PROPOSED TYPICAL SECTION - SOUTH RING ROAD
 STA. 11+00.00 TO STA. 11+20.00
 STA. 13+85.86 TO STA. 14+05.86



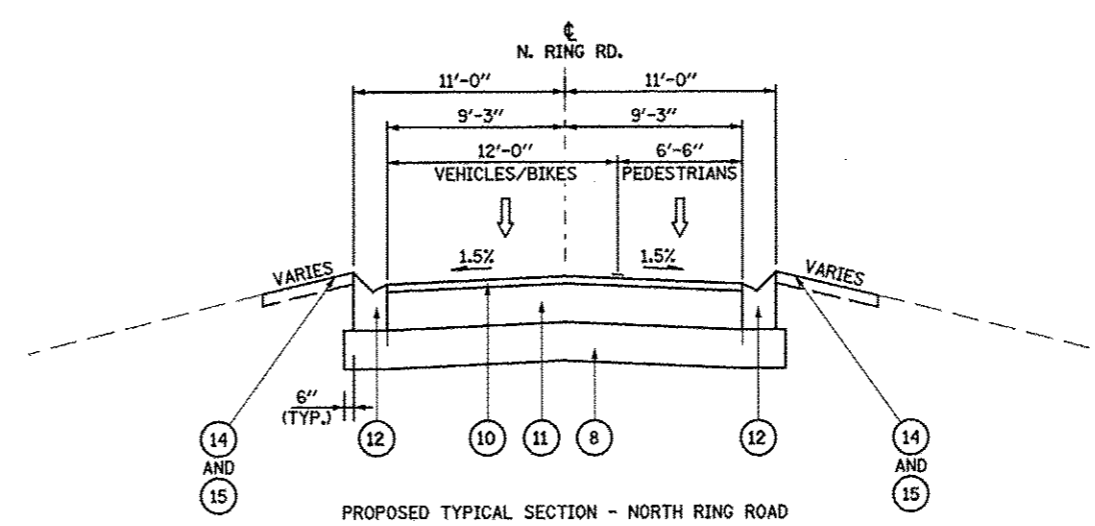
PROPOSED TYPICAL SECTION - NORTH RING ROAD
 STA. 119+93.20 TO STA. 120+13.20
 STA. 121+17.55 TO STA. 121+37.55

EXISTING LEGEND

- ① EXISTING SUBBASE GRANULAR MATERIAL, ±8"
- ② EXISTING HMA RESURFACING, ±4"
- ③ EXISTING TYPE B GUTTER
- ④ EXISTING RIPRAP
- ⑤ EXISTING AGGREGATE SURFACE
- ⑥ EXISTING 60" SANITARY SEWER (RCP)



PROPOSED TYPICAL SECTION - SOUTH RING ROAD
 STA. 11+20.00 TO STA. 12+17.11 (BRIDGE)
 STA. 12+61.44 (BRIDGE) TO STA. 13+85.86



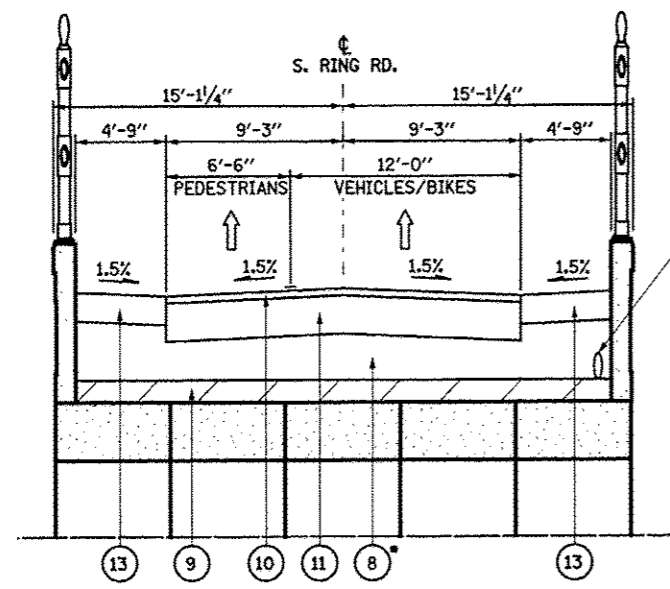
PROPOSED TYPICAL SECTION - NORTH RING ROAD
 STA. 120+13.20 TO STA. 120+44.23 (BRIDGE)
 STA. 120+88.56 (BRIDGE) TO STA. 121+17.55

PROPOSED LEGEND

- ⑦ HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- ⑧ SUB-BASE GRANULAR MATERIAL, TYPE B, 8"
- ⑨ GRANULAR BACKFILL FOR STRUCTURES
- ⑩ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50 1 1/2" (SEE NOTE 1)
- ⑪ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 8" (SEE NOTE 1)
- ⑫ CONCRETE GUTTER, TYPE B (SPECIAL)
- ⑬ PORTLAND CEMENT CONCRETE SIDEWALK, 6"
- ⑭ TOPSOIL FURNISH AND PLACE, 6"
- ⑮ SEEDING, CLASS 2
- ⑯ TRENCH BACKFILL

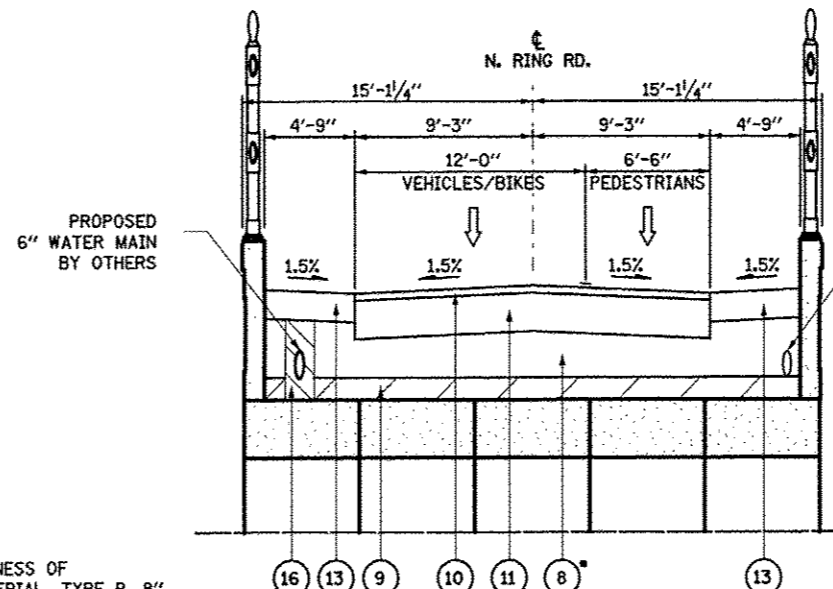
NOTES

- 1. SEE HOT-MIX ASPHALT MIXTURE REQUIREMENTS CHART FOR MIXTURE DESIGN.



PROPOSED TYPICAL SECTION - SOUTH RING ROAD
 STA. 12+17.11 (BRIDGE) TO STA. 12+61.44 (BRIDGE)

PROPOSED ELECTRICAL CONDUIT



PROPOSED TYPICAL SECTION - NORTH RING ROAD
 STA. 120+44.23 (BRIDGE) TO STA. 120+88.56 (BRIDGE)

PROPOSED ELECTRICAL CONDUIT

ANY VARIATION IN THICKNESS OF SUB-BASE GRANULAR MATERIAL, TYPE B, 8" IS INCLUDED IN THE SQUARE YARD ITEM

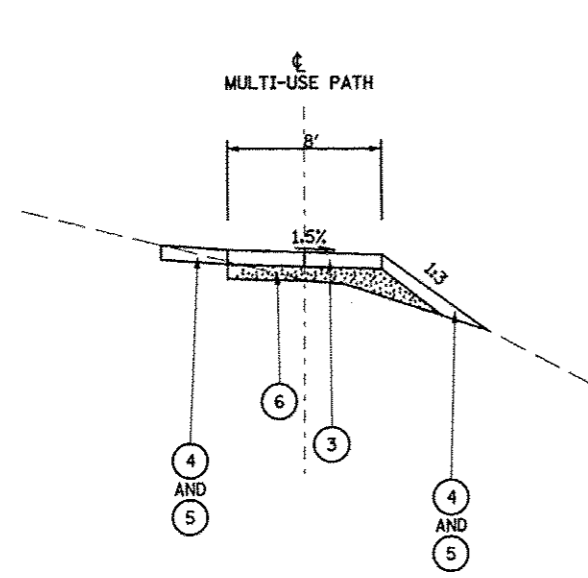
PROPOSED 6" WATER MAIN BY OTHERS

USER NAME = jleef	DESIGNED -	REVISED - 12/30/2015
PLLOT SCALE = 1/8"	DRAWN - BDM	REVISED -
PLLOT DATE = 2/8/2016	CHECKED - JSA	REVISED -
	DATE - 7/15/09	REVISED -

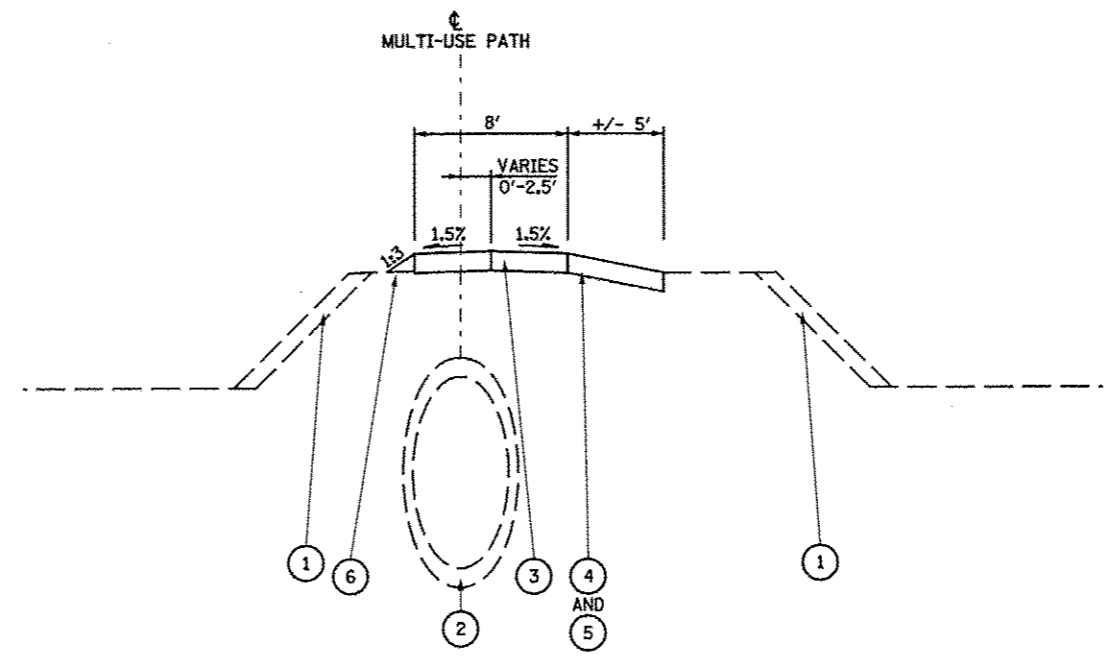
**SPRINGFIELD PARK DISTRICT
 WASHINGTON PARK BRIDGES
 AND SPILLWAY REPLACEMENT**

**PROPOSED TYPICAL SECTIONS
 SOUTH RING ROAD & NORTH RING ROAD**

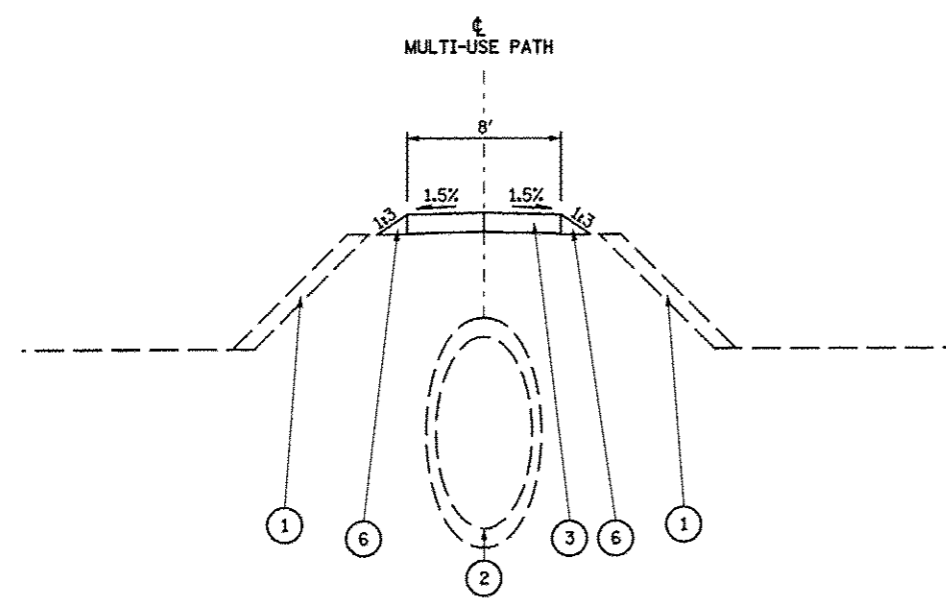
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#	10-P4002-00-BR	SANGAMON	55	11
* TR 1028 A & D				
ILLINOIS FED. AID PROJECT				



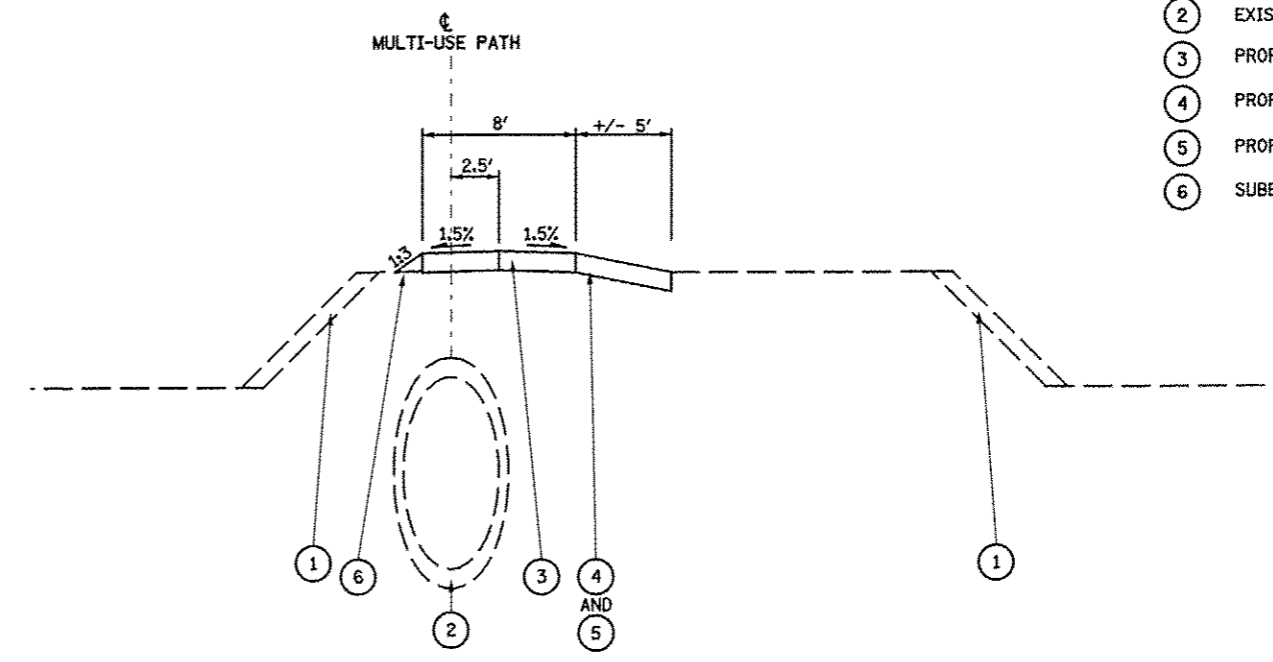
PROPOSED TYPICAL SECTION - MULTI-USE PATH
STA. 49+35 TO STA. 50+80



PROPOSED TYPICAL SECTION - MULTI-USE PATH
STA. 54+00 TO STA. 55+00
STA. 56+00 TO STA. 57+00



PROPOSED TYPICAL SECTION - MULTI-USE PATH
STA. 50+80 TO STA. 54+00
STA. 57+00 TO STA. 59+82



PROPOSED TYPICAL SECTION - MULTI-USE PATH
STA. 55+00 TO STA. 56+00

LEGEND

- ① EXISTING RIPRAP
- ② EXISTING 60" SANITARY SEWER (RCP)
- ③ PROPOSED PCC SIDEWALK, 6"
- ④ PROPOSED TOPSOIL FURNISH AND PLACE, 6"
- ⑤ PROPOSED SEEDING, CLASS 2
- ⑥ SUBBASE GRANULAR MATERIAL, 6"

USER NAME = jloof PLOT SCALE = 1/10 PLOT DATE = 2/8/2016	DESIGNED -	REVISED -	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	PROPOSED TYPICAL SECTIONS - MULTI-USE PATH			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -					* 10-P4002-00-BR	SANGAMON	55	12	
	CHECKED -	REVISED -		SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.			* TR 1028 A & D		ILLINOIS FED. AID PROJECT		
	DATE -	REVISED -									

CURVE DATA

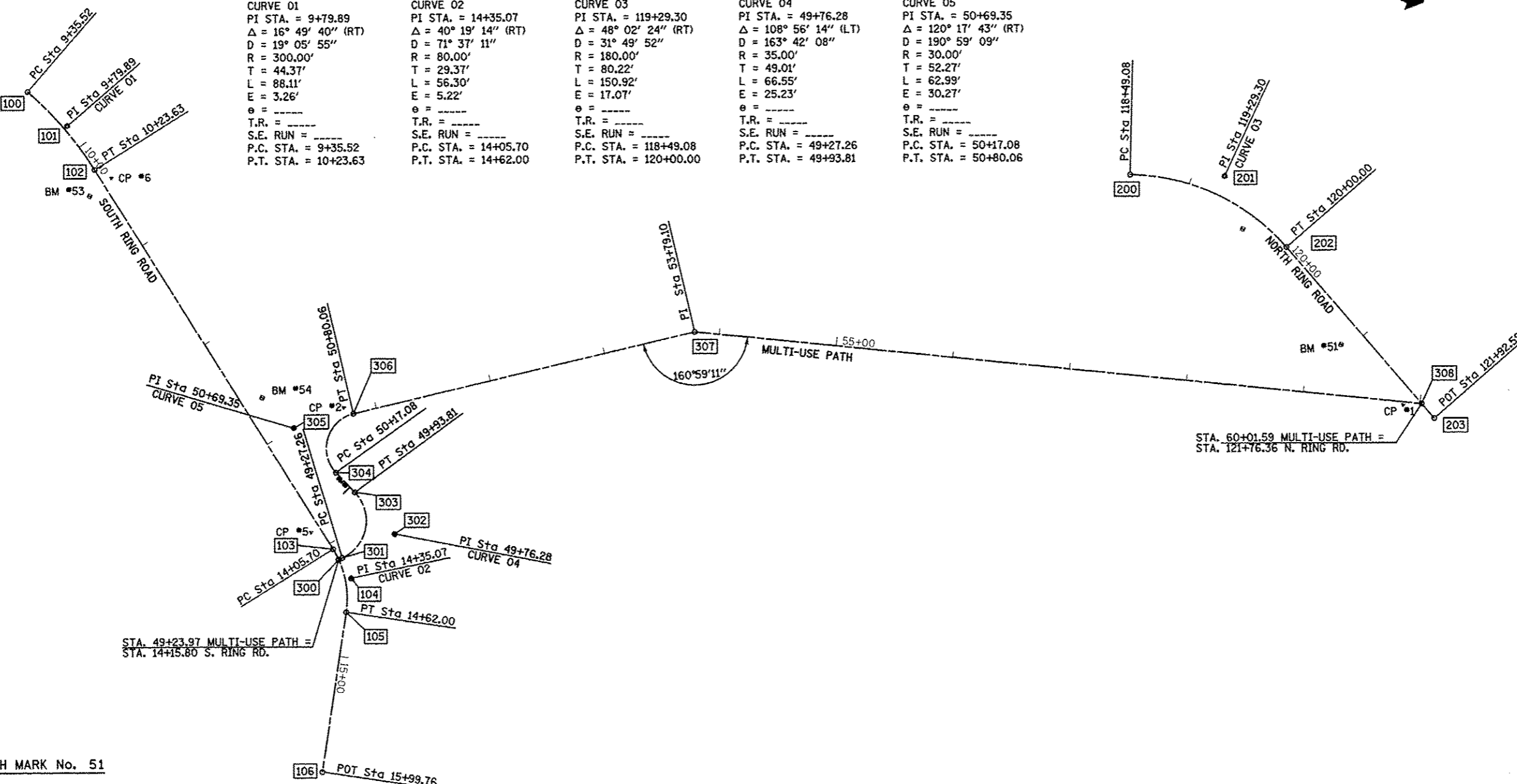
CURVE 01	CURVE 02	CURVE 03	CURVE 04	CURVE 05
PI STA. = 9+79.89	PI STA. = 14+35.07	PI STA. = 119+29.30	PI STA. = 49+76.28	PI STA. = 50+69.35
Δ = 16° 49' 40" (RT)	Δ = 40° 19' 14" (RT)	Δ = 48° 02' 24" (RT)	Δ = 108° 56' 14" (LT)	Δ = 120° 17' 43" (RT)
D = 19° 05' 55"	D = 71° 37' 11"	D = 31° 49' 52"	D = 163° 42' 08"	D = 190° 59' 09"
R = 300.00'	R = 80.00'	R = 180.00'	R = 35.00'	R = 30.00'
T = 44.37'	T = 29.37'	T = 80.22'	T = 49.01'	T = 52.27'
L = 88.11'	L = 56.30'	L = 150.92'	L = 66.55'	L = 62.99'
E = 3.26'	E = 5.22'	E = 17.07'	E = 25.23'	E = 30.27'
θ = -----	θ = -----	θ = -----	θ = -----	θ = -----
T.R. = -----	T.R. = -----	T.R. = -----	T.R. = -----	T.R. = -----
S.E. RUN = -----	S.E. RUN = -----	S.E. RUN = -----	S.E. RUN = -----	S.E. RUN = -----
P.C. STA. = 9+35.52	P.C. STA. = 14+05.70	P.C. STA. = 118+49.08	P.C. STA. = 49+27.26	P.C. STA. = 50+17.08
P.T. STA. = 10+23.63	P.T. STA. = 14+62.00	P.T. STA. = 120+00.00	P.T. STA. = 49+93.81	P.T. STA. = 50+80.06



COORDINATE DATA	
PC 100	N=1136966.65 E=2432379.14
PI 101	N=1136986.99 E=2432418.58
PT 102	N=1136995.05 E=2432462.22
PC 103	N=1136995.05 E=2432462.22
PI 104	N=1137064.39 E=2432837.94
PT 105	N=1137054.94 E=2432892.27
POT 106	N=1136985.98 E=2433011.53

COORDINATE DATA	
PC 200	N=1137813.06 E=2432793.12
PI 201	N=1137887.07 E=2432824.04
PT 202	N=1137913.57 E=2432899.76
POT 203	N=1137977.19 E=2433081.54

COORDINATE DATA	
POT 300	N=1137065.56 E=2432847.97
PC 301	N=1137068.85 E=2432847.80
PI 302	N=1137117.80 E=2432845.19
PT 303	N=1137099.45 E=2432799.74
PC 304	N=1137090.74 E=2432778.17
PI 305	N=1137090.74 E=2432778.17
PT 306	N=1137122.89 E=2432737.25
PI 307	N=1137418.79 E=2432780.48
POT 308	N=1137971.82 E=2433066.22



BENCH MARK No. 51

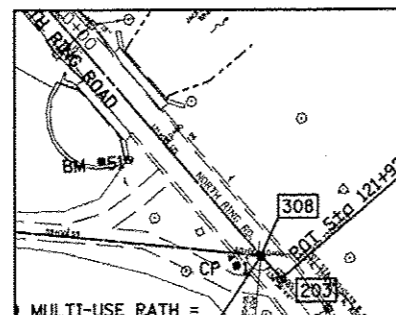
ELEV. 559.22
N=1137926.27
E=2432994.29

BENCH MARK No. 53

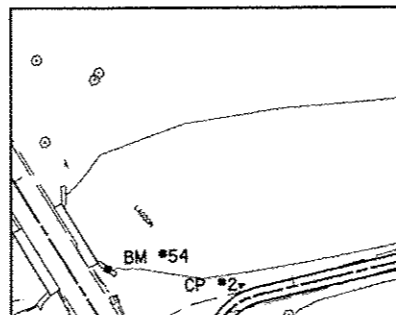
ELEV. 559.66
N=1136982.83
E=2432481.50

BENCH MARK No. 54

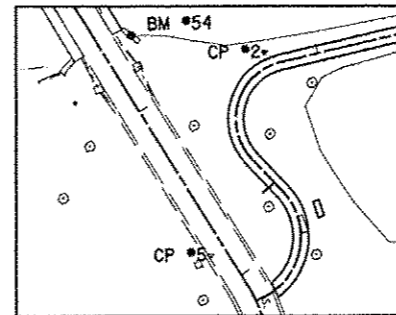
ELEV. 560.09
N=1137055.69
E=2432695.75



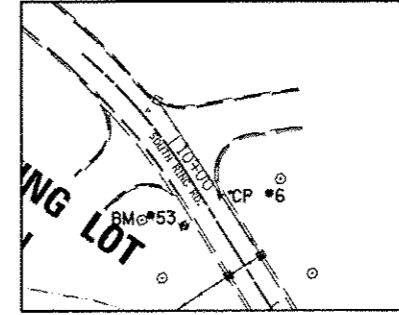
CONTROL POINT No. 1 - NAIL
STA 59+85.96 2.70' RT
N=1137956.70
E=2433061.45
ELEV. 559.26



CONTROL POINT No. 2 - NAIL
STA 50+73.33 6.97' LT
N=1137117.24
E=2432729.38
ELEV. 557.17



CONTROL POINT No. 5 - PK/MAG NAIL
STA 13+83.38 8.32' RT
N=1137052.16
E=2432817.50
ELEV. 565.31



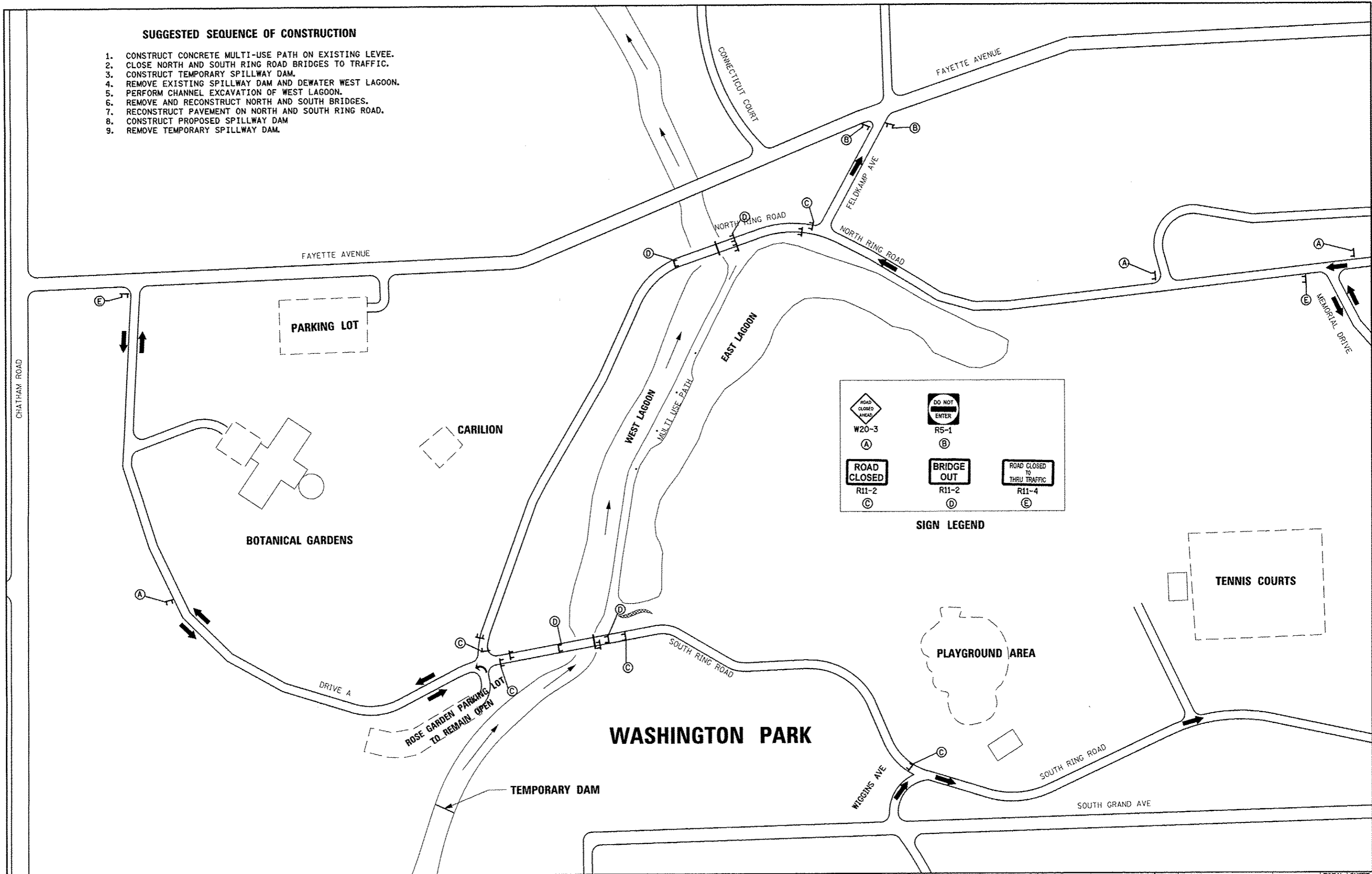
CONTROL POINT No. 6 - PK/MAG NAIL
STA 10+37.21 8.34' LT
N=1137005.71
E=2432474.06
ELEV. 559.71



USER NAME = jleaf	DESIGNED -	REVISED -	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	ALIGNMENT TIES & BENCHMARKS			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1:100	DRAWN - BDM	REVISED -					* 10-P4002-00-BR	SANGAMON	55	13	
PLOT DATE = 2/8/2016	CHECKED - JSA	REVISED -					* TR 1028 A & D	ILLINOIS FED. AID PROJECT			
DATE = 7/15/09	DATE - 7/15/09	REVISED -					SCALE: NONE	SHEET NO.	OF SHEETS	STA. TO STA.	

SUGGESTED SEQUENCE OF CONSTRUCTION

1. CONSTRUCT CONCRETE MULTI-USE PATH ON EXISTING LEVEE.
2. CLOSE NORTH AND SOUTH RING ROAD BRIDGES TO TRAFFIC.
3. CONSTRUCT TEMPORARY SPILLWAY DAM.
4. REMOVE EXISTING SPILLWAY DAM AND DEWATER WEST LAGOON.
5. PERFORM CHANNEL EXCAVATION OF WEST LAGOON.
6. REMOVE AND RECONSTRUCT NORTH AND SOUTH BRIDGES.
7. RECONSTRUCT PAVEMENT ON NORTH AND SOUTH RING ROAD.
8. CONSTRUCT PROPOSED SPILLWAY DAM.
9. REMOVE TEMPORARY SPILLWAY DAM.



W20-3 A	R5-1 B
R11-2 C	R11-2 D
	R11-4 E

SIGN LEGEND

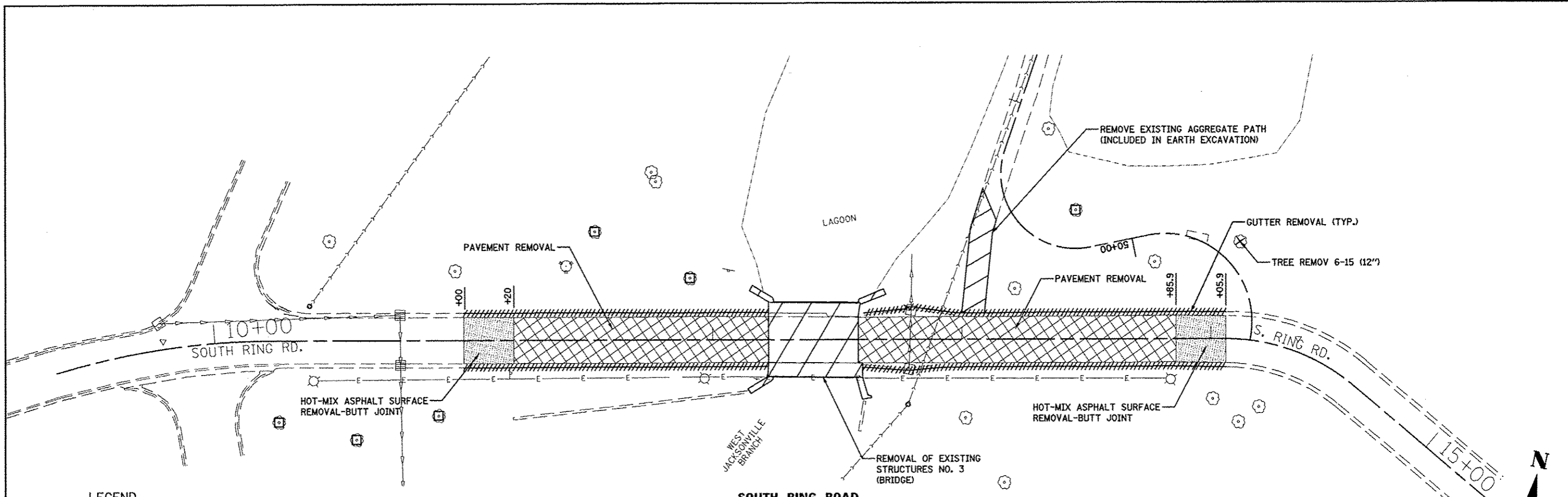
USER NAME = jleof	DESIGNED -	REVISED -
	DRAWN - BDM	REVISED -
PLOT SCALE = 1/200	CHECKED - JSA	REVISED -
PLOT DATE = 2/8/2016	DATE = 7/15/09	REVISED -

**SPRINGFIELD PARK DISTRICT
WASHINGTON PARK BRIDGES
AND SPILLWAY REPLACEMENT**

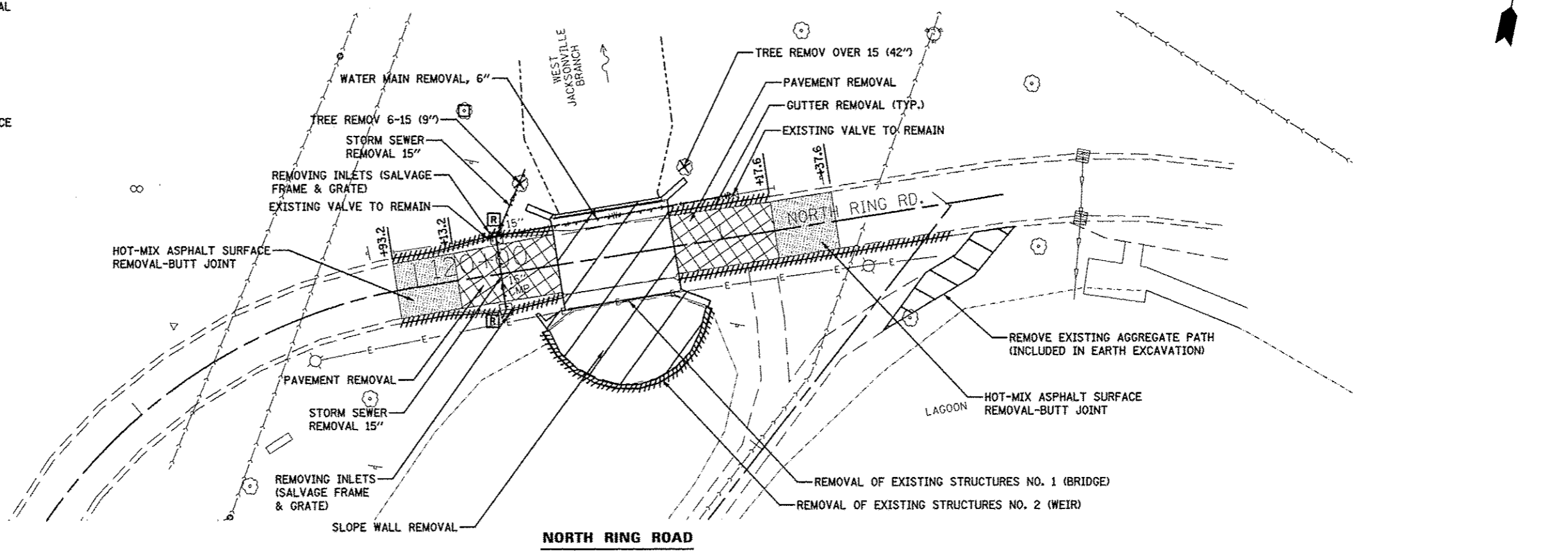
MAINTENANCE OF TRAFFIC

SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

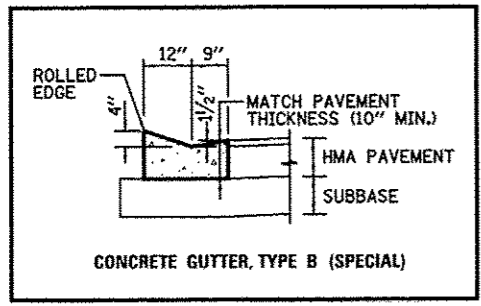
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#	10-P4002-00-BR	SANGAMON	55	14
* TR 102B A & D				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- PAVEMENT REMOVAL
 - HOT-MIX ASPHALT SURFACE REMOVAL
 - CURB AND GUTTER REMOVAL
 - VARIOUS REMOVAL (AS NOTED)
 - TREE REMOVAL
 - TREE PROTECTION/TEMPORARY FENCE

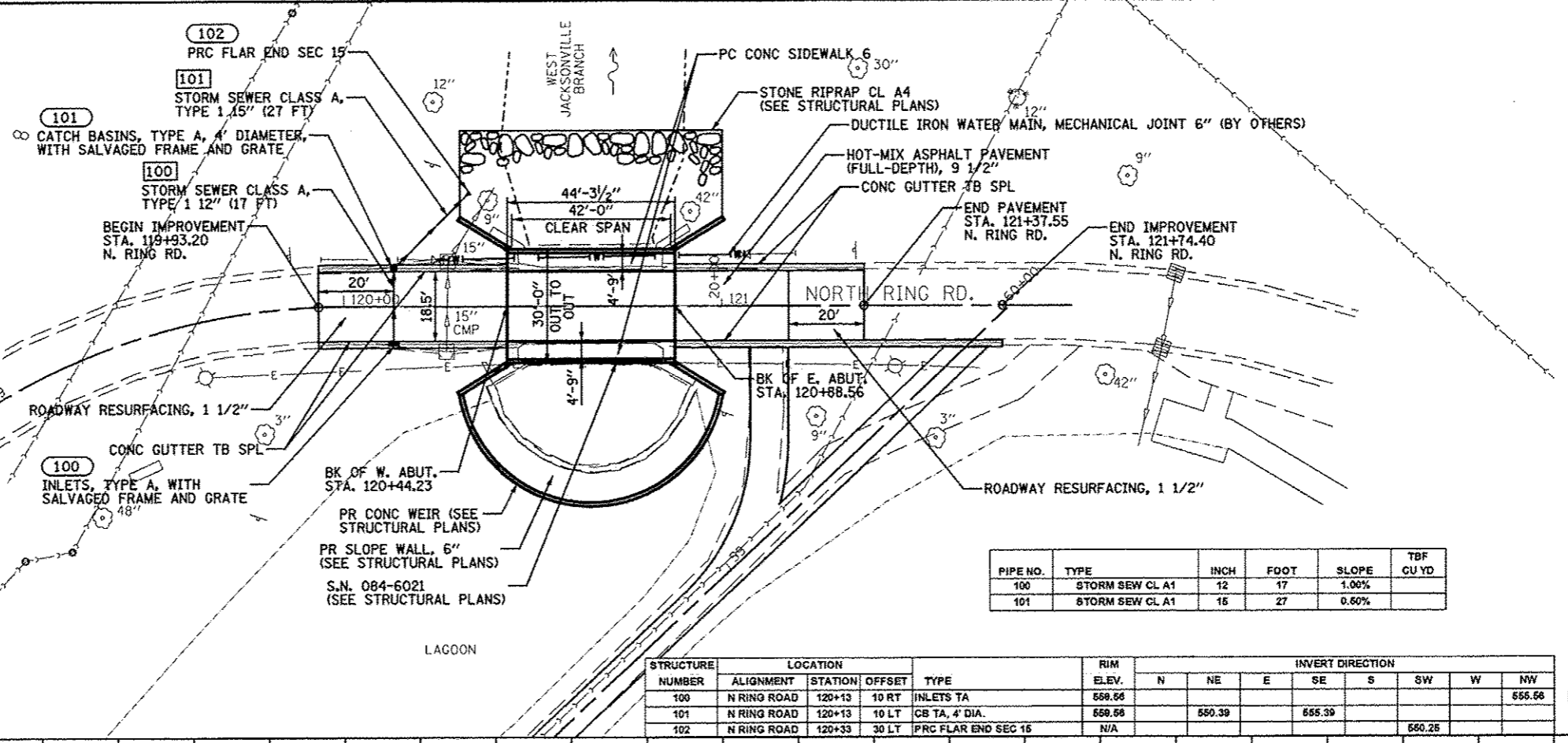


USER NAME = jleaf PLOT SCALE = 1:48 PLOT DATE = 2/8/2016	DESIGNED -	REVISED -	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	REMOVAL PLAN			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - BDM	REVISED -					* 10-P4002-00-BR	SANGAMON	65	15	
	CHECKED - JSA	REVISED -		* TR 1028 A & D			ILLINOIS FED. AID PROJECT				
	DATE - 7/15/09	REVISED -		SCALE: NONE	SHEET NO.	OF SHEETS	STA.	TO STA.			



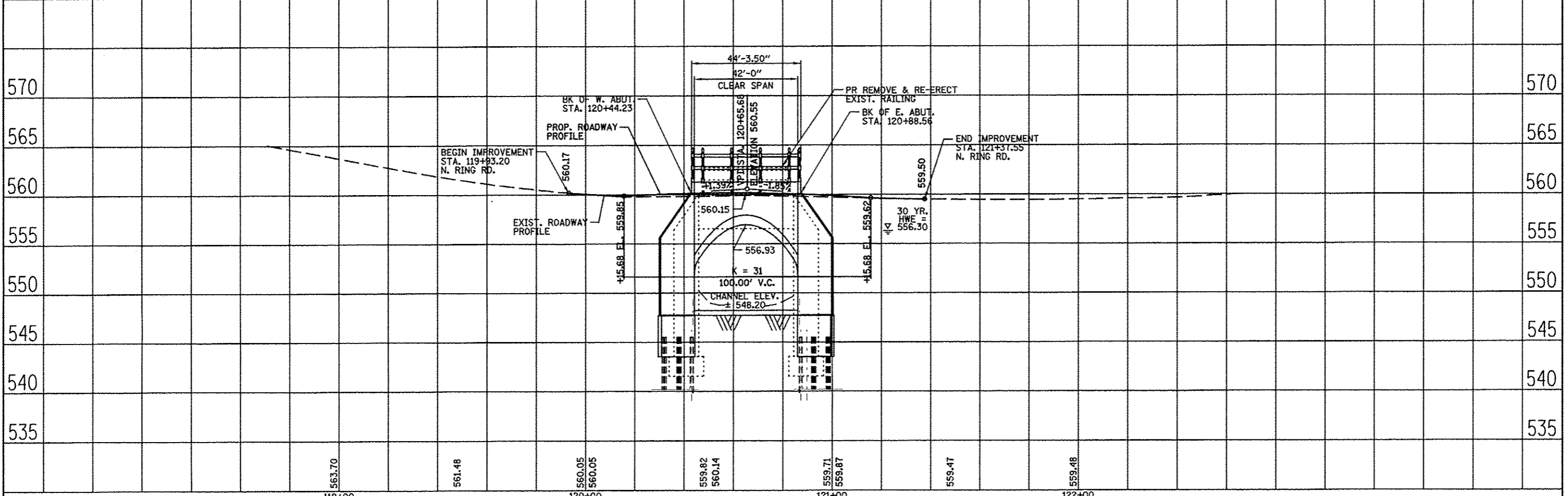
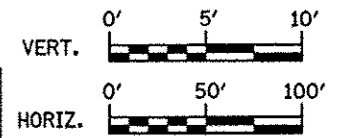
DATE	
BY	
REVISION	
PLANNED	
NOTED	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	

DATE	
BY	
REVISION	
PLANNED	
NOTED	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	
NO.	

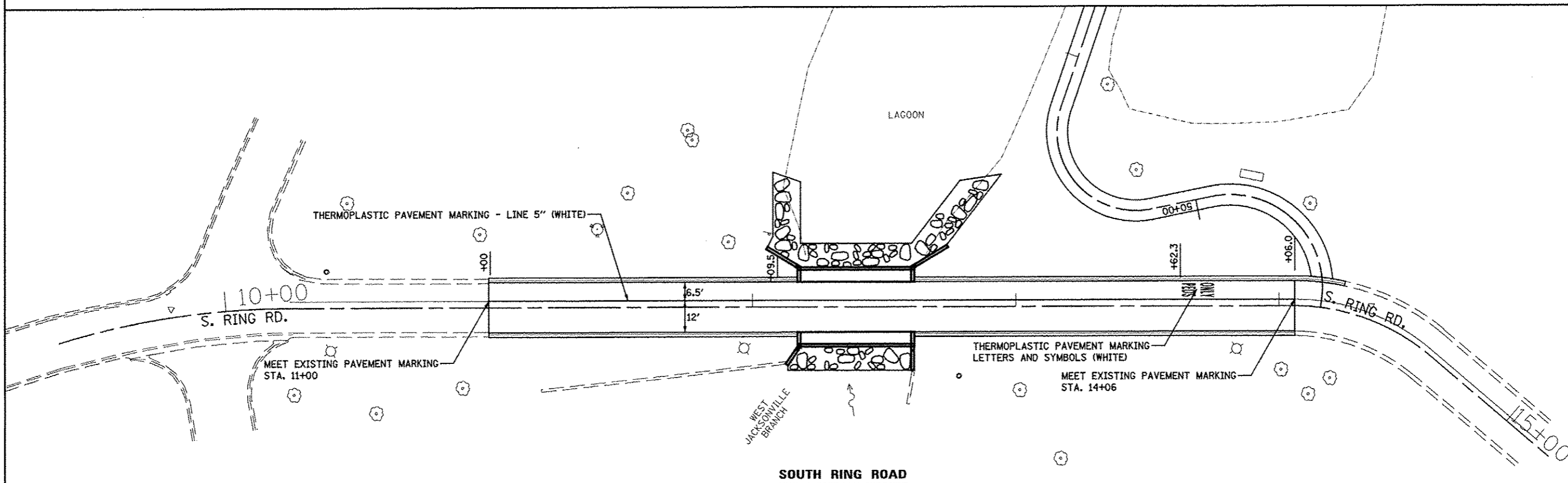
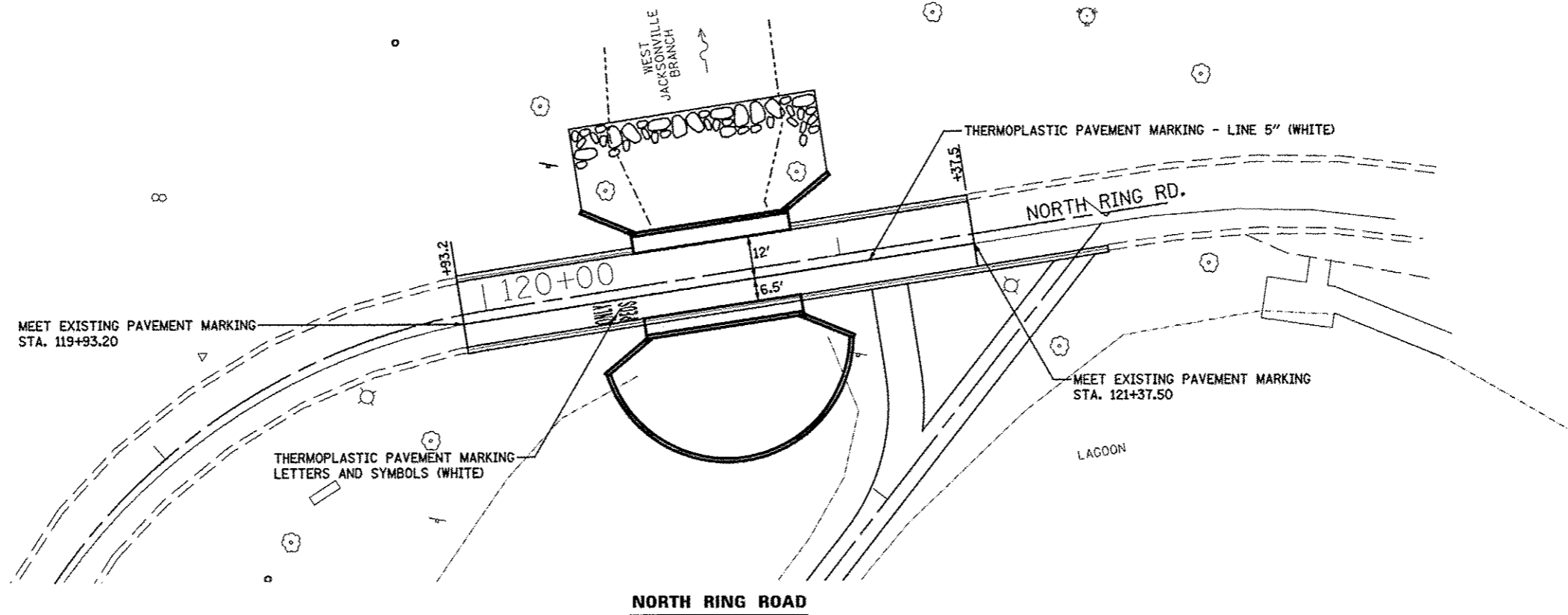


PIPE NO.	TYPE	INCH	FOOT	SLOPE	TBF CU YD
100	STORM SEW CL A1	12	17	1.00%	
101	STORM SEW CL A1	15	27	0.60%	

STRUCTURE NUMBER	LOCATION ALIGNMENT	STATION	OFFSET	TYPE	RIM ELEV.	INVERT DIRECTION								
						N	NE	E	SE	S	SW	W	NW	
100	N RING ROAD	120+13	10 RT	INLETS TA	558.66									555.66
101	N RING ROAD	120+13	10 LT	CB TA, 4' DIA.	558.66		550.39		555.39					
102	N RING ROAD	120+33	30 LT	PRC FLAR END SEC 15	N/A								560.25	



FILE NAME =	USER NAME = jmaaf	DESIGNED -	REVISED -	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	NORTH RING ROAD - PLAN & PROFILE				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Z:\7184\CAD\Drawings\Roadway\Plan Profile\104-akt-00a_PlanProfile.dgn		DRAWN -	REVISED -						* 10-P4002-00-BR	SANGAMON	55	16	
PLOT SCALE = 1/48		CHECKED -	REVISED -						* TR 1028 A & D				
PLOT DATE = 2/8/2016		DATE -	REVISED -						CONTRACT NO.				
SCALE: 1" = 20'					SHEET NO. OF SHEETS STA. 120+13.20 TO STA. 121+17.55				ILLINOIS FED. AID PROJECT				



USER NAME = jleaf PLOT SCALE = 1:48 PLOT DATE = 2/8/2016	DESIGNED -	REVISED -	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	PAVEMENT MARKING AND SIGNING			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - BDM	REVISED -					* 10-P4002-00-BR	SANGAMON	55	19	
	CHECKED - JSA	REVISED -		* TR 1028 A & D			ILLINOIS FED. AID PROJECT				
	DATE - 7/15/09	REVISED -		SCALE: NONE	SHEET NO.	OF SHEETS	STA. TO STA.				

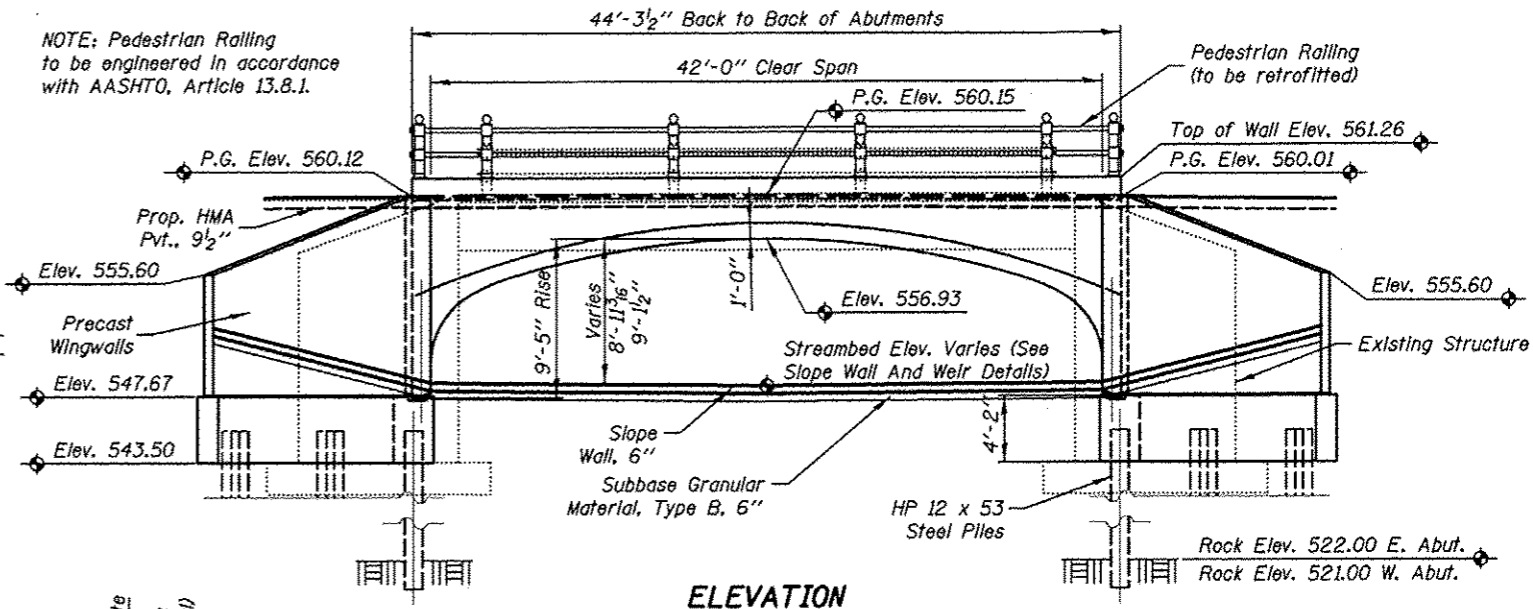
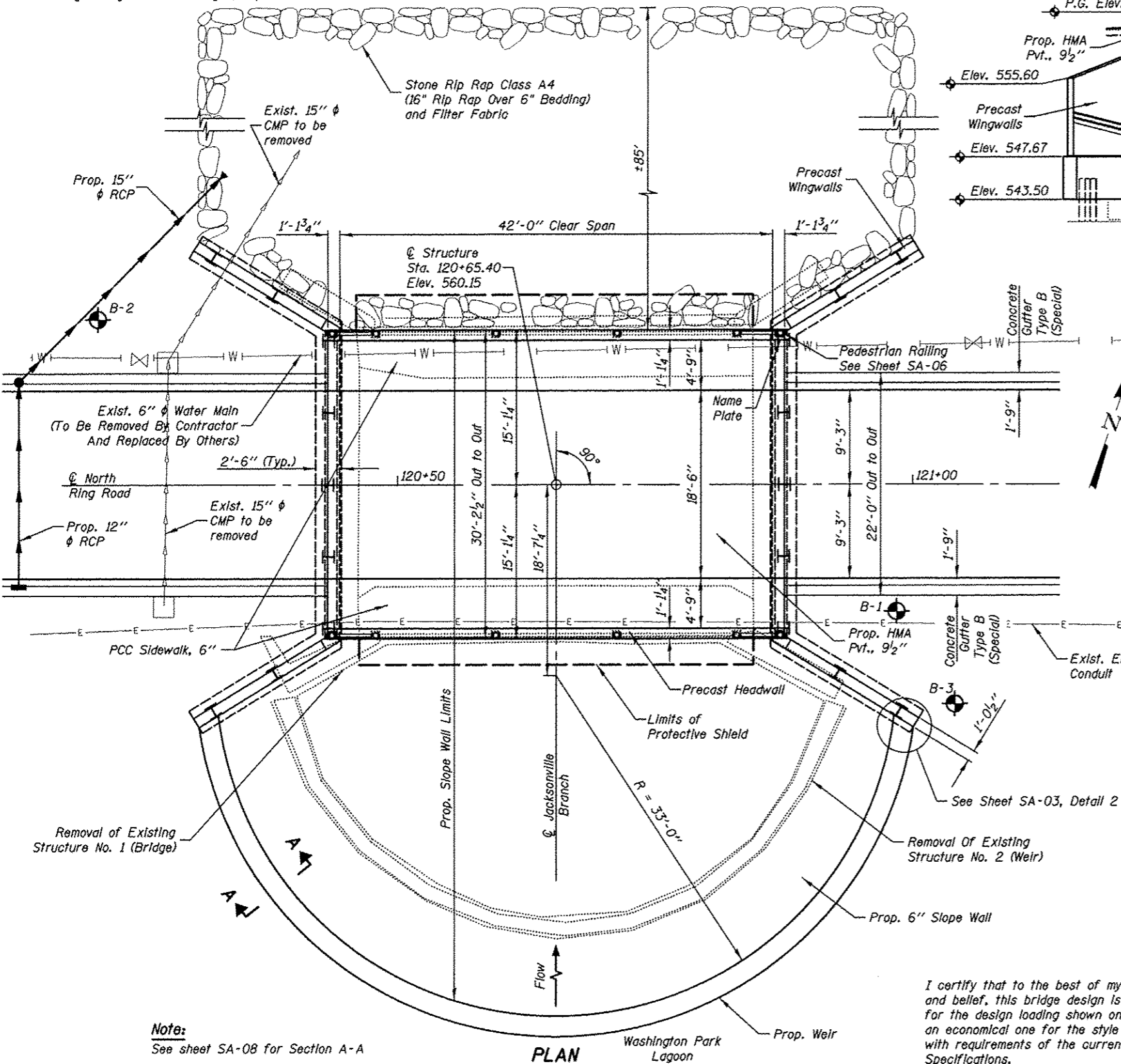
FILE NAME = Z:\7184\CAD\15hopta\Roadway\ Pavement Markings\7184-shr-Pavement Markings and Stationing.dwg

Benchmark #2 : Chiseled "X" on light pole foundation, Sta. 119+60.57, 13.96' Rt., Elev. 561.71

Existing Structure: SN 084-6009 was originally built in 1905 as a single-span, cast-in-place concrete deck on steel stringers, supported by two welded-plate girders. The structure has closed abutments constructed on timber piles. The clear width is 30'-0" out to out, and the clear span is 38'-3". The existing structure has recently been posted for a maximum loading of 13 tons.

The existing structure will be removed and replaced with a single, three-sided precast concrete structure. The road will be closed to traffic during construction.

The existing railing shall be salvaged, repainted, and reused.



INDEX OF SHEETS

- SA-01 General Plan & Elevation
- SA-02 Notes and Bill of Material
- SA-03 Bridge Elevation & Section
- SA-04 East and West Abutment Detail
- SA-05 Abutment Reinforcement Detail
- SA-06 Pedestrian Railing
- SA-07 North Bridge Precast Details
- SA-08 Slope Wall and Weir Details
- SA-09 Cofferdams and Granular Backfill for Structures
- SA-10 Soil Boring Logs

DESIGN SPECIFICATIONS
2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES
FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)

PRECAST UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (welded wire fabric)

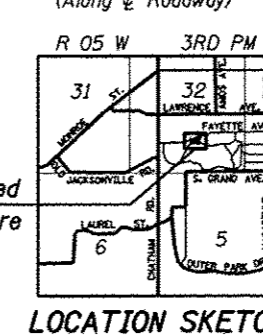
SEISMIC DATA
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.151g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.270g
Soil Site Class = D



Expires 11-30-2016
Date: 10/26/2015
for drawings SA-01 thru SA-09

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans, the design is an economical one for the style of structure and complies with requirements of the current AASHTO Bridge Design Specifications.

PROFILE GRADE
(Along Center Roadway)



GENERAL PLAN & ELEVATION
TR 1028 (PARK ROAD)
(WASHINGTON PARK N. RING RD.)
OVER JACKSONVILLE BRANCH
SANGAMON COUNTY
STA. 120+65.40
STRUCTURE NO. 084-6021

KNIGHT Engineers & Architects	DESIGNED - WPM	REVISED	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	GENERAL PLAN & ELEVATION STRUCTURE NO. 084-6021 SHEET NO. SA-01 OF 10 SHEETS	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED - JSA	REVISED			* 10-P4002-00-BR	SANGAMON	55	20	
SCALE - NONE	DRAWN - JMC	REVISED			* TR 1028 A & D				
DATE - 10/26/2015	CHECKED - JSA	REVISED			ILLINOIS FED. AID PROJECT				

GENERAL NOTES

- 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 will be paid for the quantity actually furnished at the unit price bid for the work.
- The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of materials for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.
- The foundation design is based on the following maximum reactions applied at the top of the footing/pedestal wall:

Exterior footings: 16 K/FT (vertical), 0.25 K/FT (horizontal)

The Contractor shall verify that the selected structure meets these design parameters. If the design parameters are exceeded, a complete foundation design with calculations, details, and the required seals shall be submitted for review and approval.
- The Contractor shall drive two steel test piles to 110% of the nominal required bearing specified in a permanent location at the East and West abutments as directed by the Engineer before ordering the remainder of piles.
- Each precast unit shall be clearly marked by waterproof paint. The following shall be shown on the inside of the vertical leg of the units:
 - Unit span x Rise
 - Date of manufacture
 - Name or trademark of the manufacturer.
- Reinforcement bars designated (E) shall be epoxy coated.
- All exposed concrete edges shall have a 3/4" x 45° chamfer, except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.
- No construction joints except those shown on the plans will be allowed unless approved by the Engineer.
- No concrete cutting will be permitted until the cutting limits have been outlined by the Contractor and approved by the Engineer.
- It shall be the Contractor's responsibility to verify the location of all utilities prior to starting construction. Contact J.U.L.I.E., 800-892-0123.
- The soil boring logs represent point information. Presentation of this information in no way implies that subsurface conditions are the same at locations other than the exact location of the boring.

CONSTRUCTION REQUIREMENTS

- The Three Sided Precast Concrete Structures shall be installed on spread and pile supported cast-in-place concrete footings as detailed in the Plans. The foundation shall be given a smooth float finish and shall reach a compressive strength of 3,500 psi before placement of precast concrete sections. The completed foundation surface shall be constructed in accordance with grades shown on the plans. Precast concrete foundations may not be substituted for cast-in-place foundations.
- The Three Sided Precast Concrete Structures shall be placed as shown on the Plans. Special care shall be taken in setting the precast concrete structures to the true line and grade. The structures shall be set on 6" x 6" masonite or steel shims. A minimum of 1/2 inch gap shall be provided between the foundation and the bottom of the structures vertical legs. The gap shall be filled with cement grout. (Portland cement and water or cement mortar composed of one part Portland cement and three parts of sand, by volume, and water.) See structure manufacturer's instructions.
- The butt joint made by two adjoining structure segments shall be covered with a 7/8" x 1 3/8" (1 1/4" round equivalent) piece of butyl rope and a minimum of a 9-inch wide joint wrap. The surface shall be free of dirt before applying the joint material. A primer compatible with the joint wrap to be used shall be applied for a minimum width of nine inches on each side of the joint. The external wrap shall be either EZ-WRAP RUBBER by PRESS-SEAL GASKET CORPORATION, SEAL WRAP by MAR MAC MANUFACTURING CO. INC. or approved equal. The joint shall be covered continuously from the bottom of one structure segment leg, across the top of the arch and to the opposite structure segment leg. Any laps that result in the joint wrap shall be a minimum of six inches long with the overlap running downhill.
- In addition to the joints between segments, the joint between the end units and the headwalls shall also be sealed. The joint between the end structure segments and the wingwalls shall be sealed with this type of wrap or at the discretion of the Engineer filter fabric may be substituted.
- During the backfilling operation, care shall be taken to keep the joint wrap in its proper location over the joint.
- Backfill shall be considered as all replaced and new embankment adjacent to the Three Sided Precast Concrete Structure units and wingwalls. The IDOT Standard Specifications, which include the specifications for excavation for structures and roadway excavation and embankment construction, shall apply except as modified herein. No backfill shall be placed against any structural elements until they have been approved by the Engineer.
- The backfill volume shall be backfilled with granular material as specified in Article 586.02 and as specified by the three-sided precast concrete structure suppliers design. Mechanic compaction shall be required as specified by the three-sided precast concrete structure suppliers design.
- Lightweight dozers and graders may be operated over the structure having one foot of compacted cover, but heavy earth moving equipment (larger than a D-4 Dozer weighing in excess of 12 tons and having track pressures of eight psi or greater) shall require two feet of cover unless the design cover is less than two feet. In no case shall equipment operating in excess of the design load (HS 20) be permitted over the structure unless approved by the precast structure manufacturer.
- Any additional fill and subsequent excavation required to provide this minimum cover shall be made at no additional cost to the project.
- As a precaution against introducing unbalanced stresses in the three-sided structure when placing backfill, at no time shall the difference between the heights of fill on opposite sides of the structure exceed 24 inches.
- The Protective Shield shall extend the full length of the structure at a minimum of two (2) feet beyond the existing edge of deck.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		653	653
Filter Fabric	Sq. Yd.		653	653
Sub-Base Granular Material, Type B 6"	Sq. Yd.		360	360
Removal of Existing Structures No. 1	Each			1
Removal of Existing Structures No. 2	Each			1
Slope Wall Removal	Sq. Yd.		241	241
Protective Shield	Sq. Yd.	159		159
Structure Excavation	Cu. Yd.		273	273
Cofferdam Excavation	Cu. Yd.		918	918
Cofferdam (Type 1) (Location - 1)	Each		1	1
Cofferdam (Type 1) (Location - 2)	Each		1	1
Concrete Structures	Cu. Yd.		112	112
Protective Coat	Sq. Yd.		523	523
Stud Shear Connectors	Each		345	345
Reinforcement Bars, Epoxy Coated	Pound		2900	2900
Slope Wall 6 Inch	Sq. Yd.		362	362
Furnishing Steel Piles HP12X53	Foot		416	416
Driving Piles	Foot		416	416
Test Pile Steel HP12X53	Each		2	2
Name Plates	Each		1	1
Pipe Handrail, Special	Foot	87		87
Permanent Steel Sheet Piling	Sq. Ft.		2368	2368
Granular Backfill For Structures	Cu. Yd.		715	715
Welded Wire Fabric 6x6	Sq. Yd.		530	530
Three-Sided Precast Concrete Structures 42' x 9.43'	Foot		30.1	30.1

WATERWAY INFORMATION

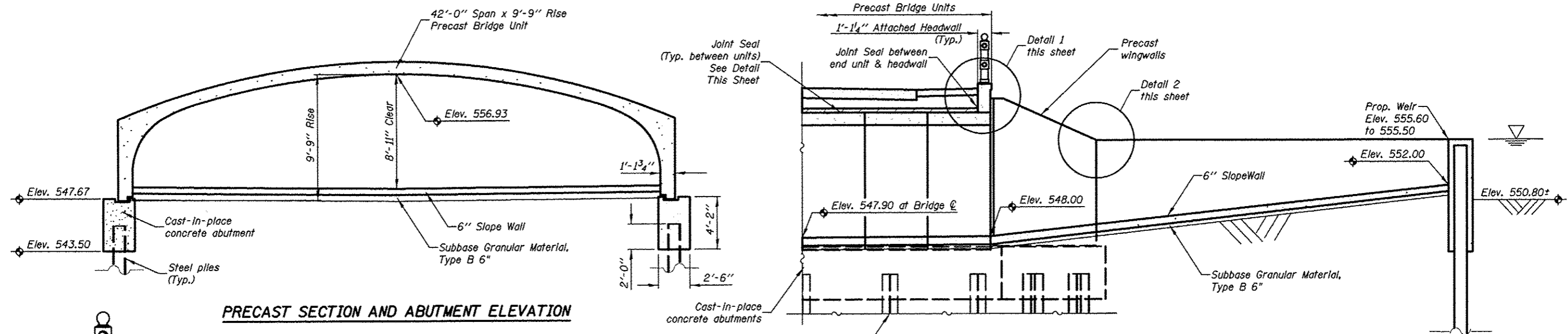
Drainage Area = 8.6 Sq. Mi. Low Grade Elev. 559.50 • Sta. 121+50

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exlst.	Prop.		Exlst.	Prop.	Exlst.	Prop.
	5	2017	212	215	555.0	3.5	2.6	558.5	557.6
Overtopping	10	2510	212	248	555.5	3.6	2.3	559.1	557.8
Design	30	3310	212	281	556.3	4.1	1.9	560.4	558.2
Base	100	4114	212	308	557.1	4.1	1.5	561.2	558.6
Max. Calc.	500								

10 Yr. Velocity through Exist. Bridge = 5.60 fps 10 Yr. Velocity through Prop. Bridge = 10.50 fps

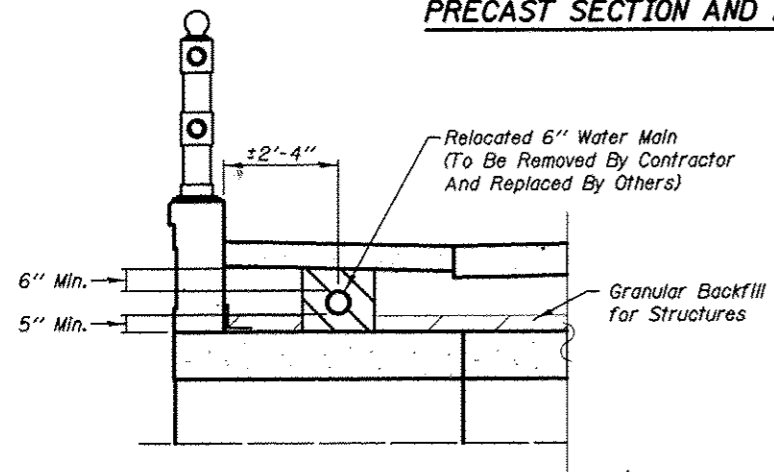
STATION 120+65.40
BUILT 2016 BY
SPRINGFIELD PARK DISTRICT
LOADING HL-93
STRUCTURE NO. 084-6021

NAME PLATES
See Std. 515001

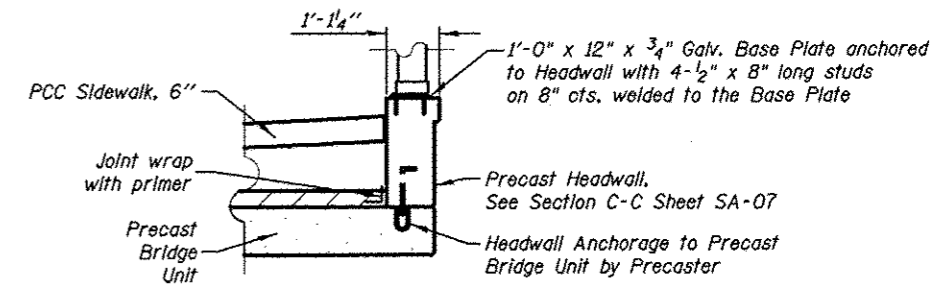


PRECAST SECTION AND ABUTMENT ELEVATION

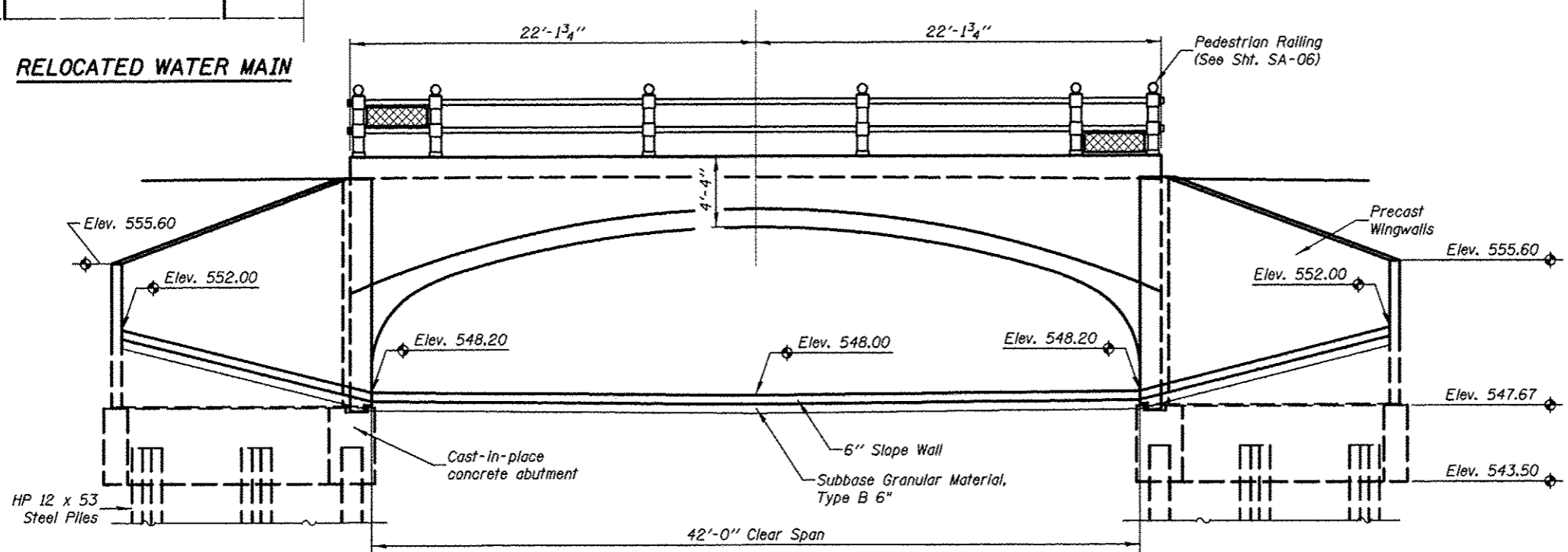
EAST ABUTMENT



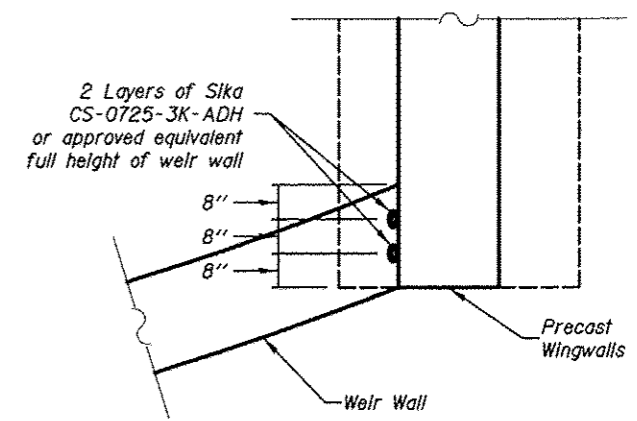
RELOCATED WATER MAIN



DETAIL 1

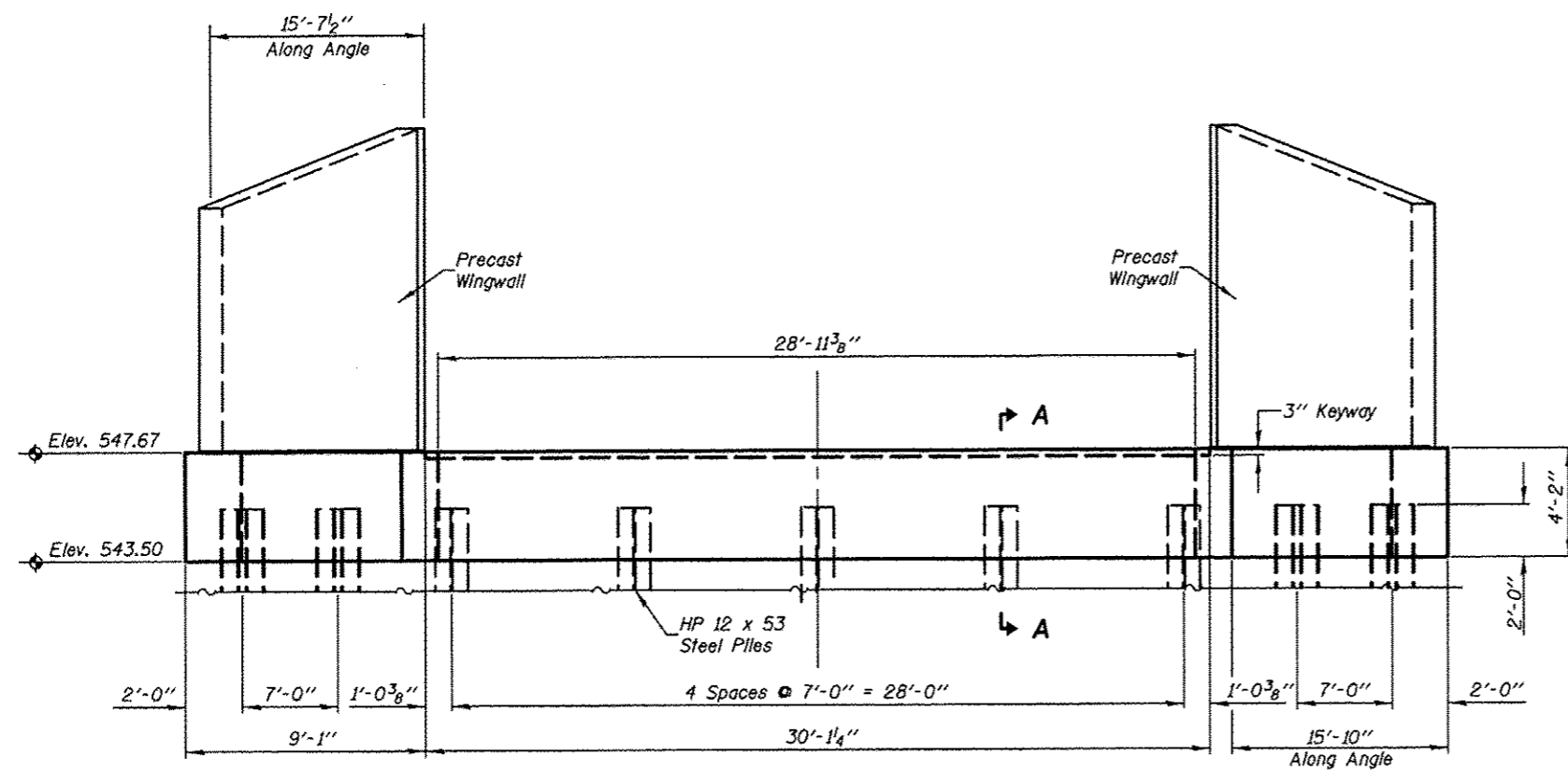


END ELEVATION

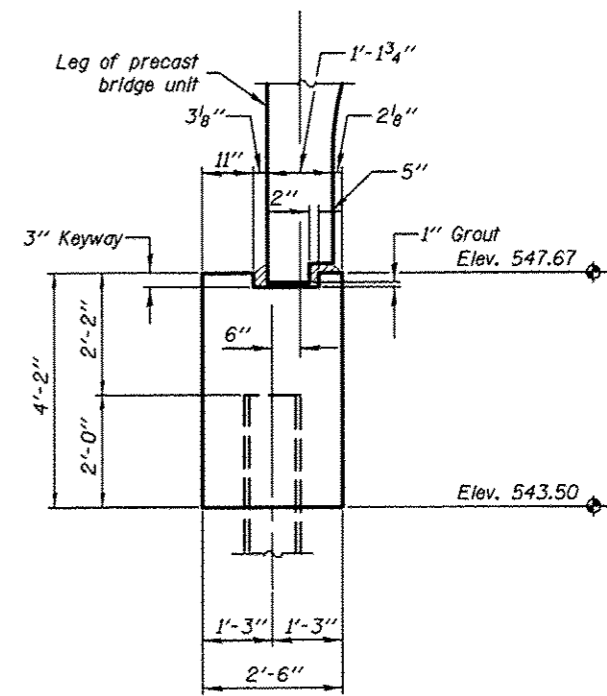


DETAIL 2

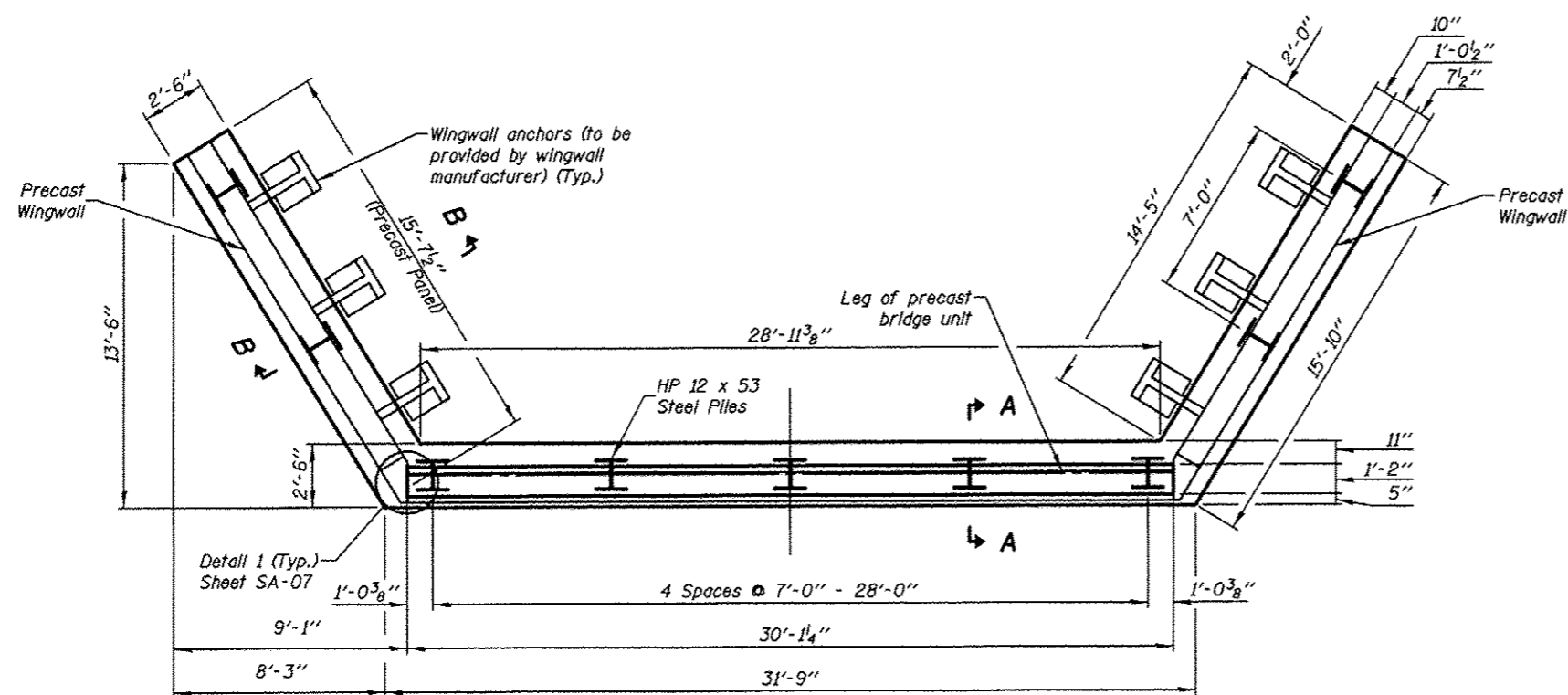
KNIGHT Engineers & Architects	DESIGNED - WPM	REVISED	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	BRIDGE ELEVATION & SECTION STRUCTURE NO. 084-6021 SHEET NO. SA-03 OF 10 SHEETS	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	CHECKED - JSA	REVISED			*	10-P4002-00-BR	SANGAMON	55	22	
	DRAWN - JMC	REVISED			* TR 1028 A & D					
	DATE - 10/26/2015	CHECKED - JSA			REVISED	ILLINOIS FED. AID PROJECT				



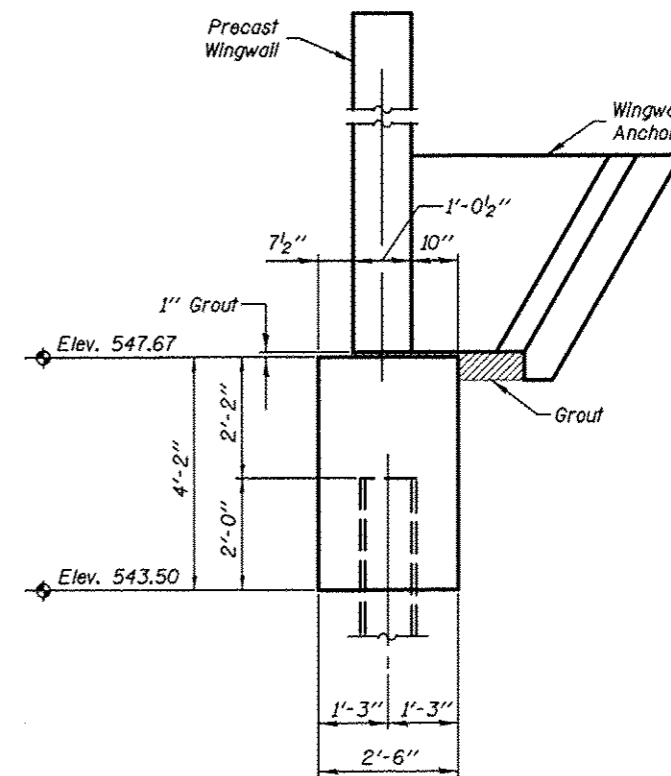
ELEVATION



SECTION A-A



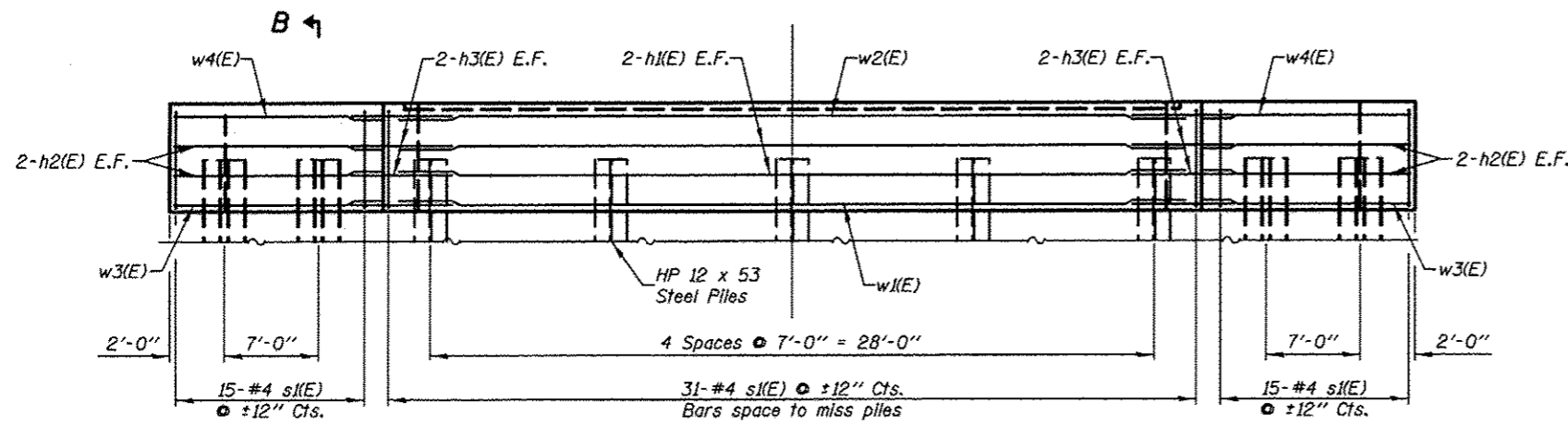
PLAN



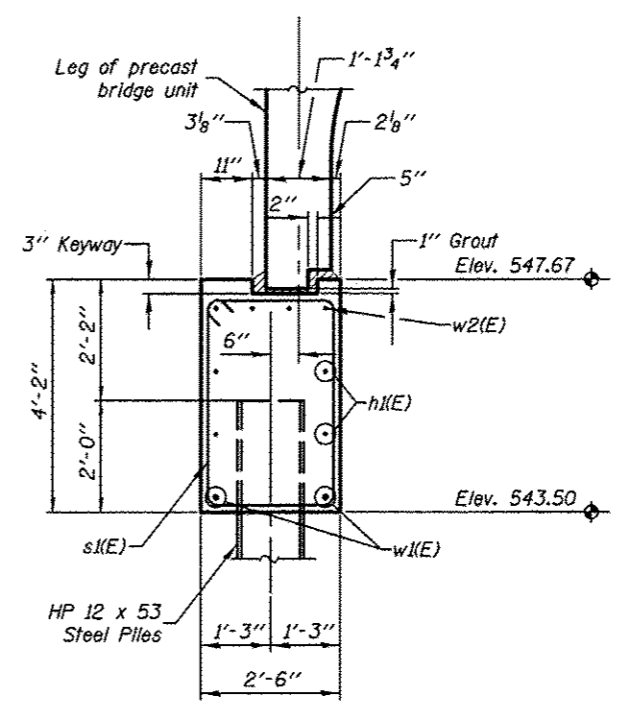
SECTION B-B

Note:
For Abutment Reinforcement
See Sheet SA-05

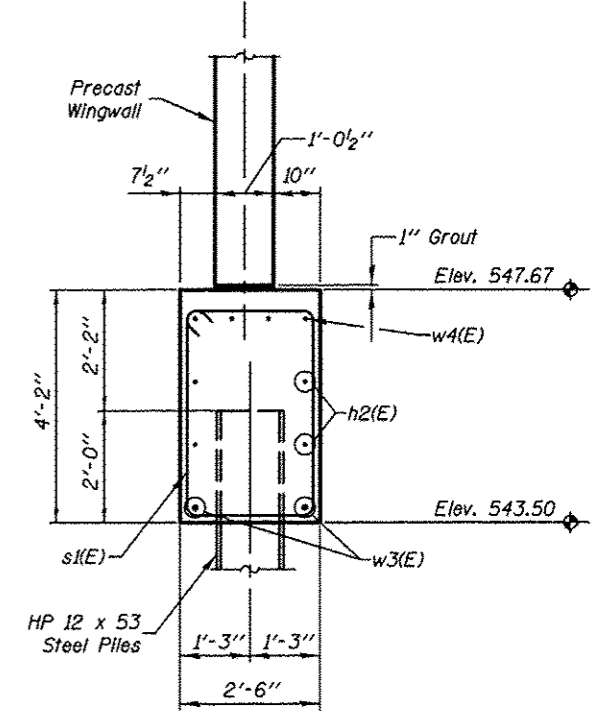
KNIGHT Engineers & Architects	DESIGNED - WPM	REVISED	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	EAST AND WEST ABUTMENT DETAIL STRUCTURE NO. 084-6021 SHEET NO. SA-04 OF 10 SHEETS	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED - JSA	REVISED			* 10-P4002-00-BR	SANGAMON	55	23	
	DRAWN - JMC	REVISED			* TR 1028 A & D				
	DATE - 10/26/2015	CHECKED - JSA			REVISED	[ILLINOIS] FED. AID PROJECT			



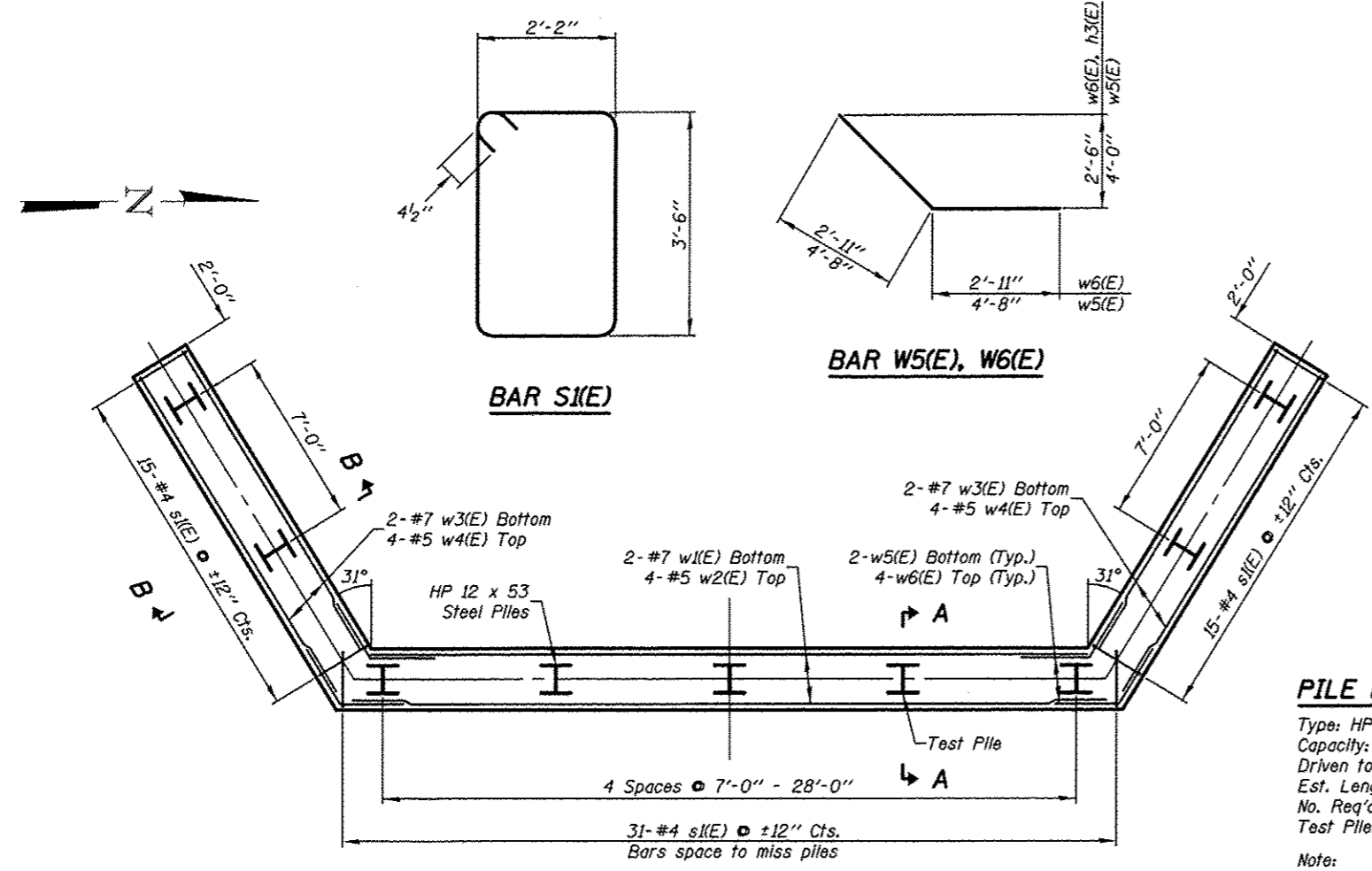
ELEVATION



SECTION A-A



SECTION B-B



PLAN

(West Abutment Shown)
(East Abutment Opp. Hand)

PILE DATA

Type: HP12x53
Capacity: 55T
Driven to: 83T Bearing
Est. Length: 26'
No. Req'd: 8
Test Pile: 1

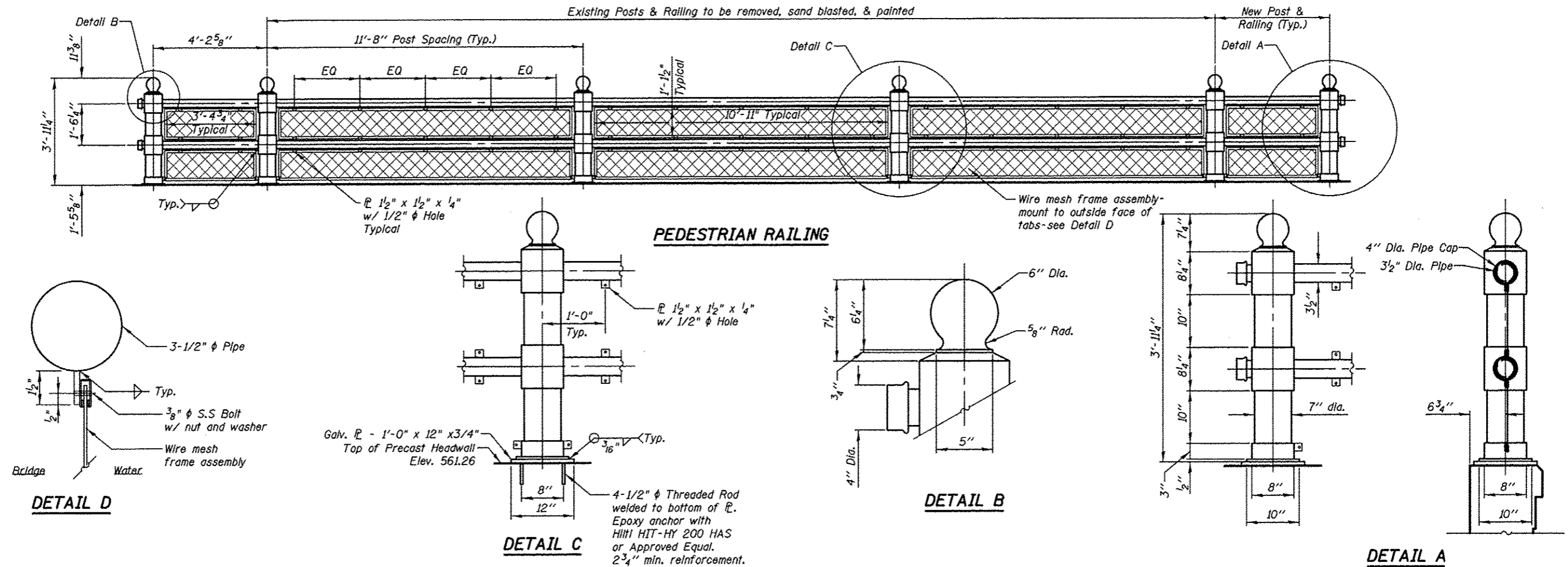
Note:
Test Pile shall be driven to
95 ton bearing

WEST ABUTMENT BILL OF MATERIAL

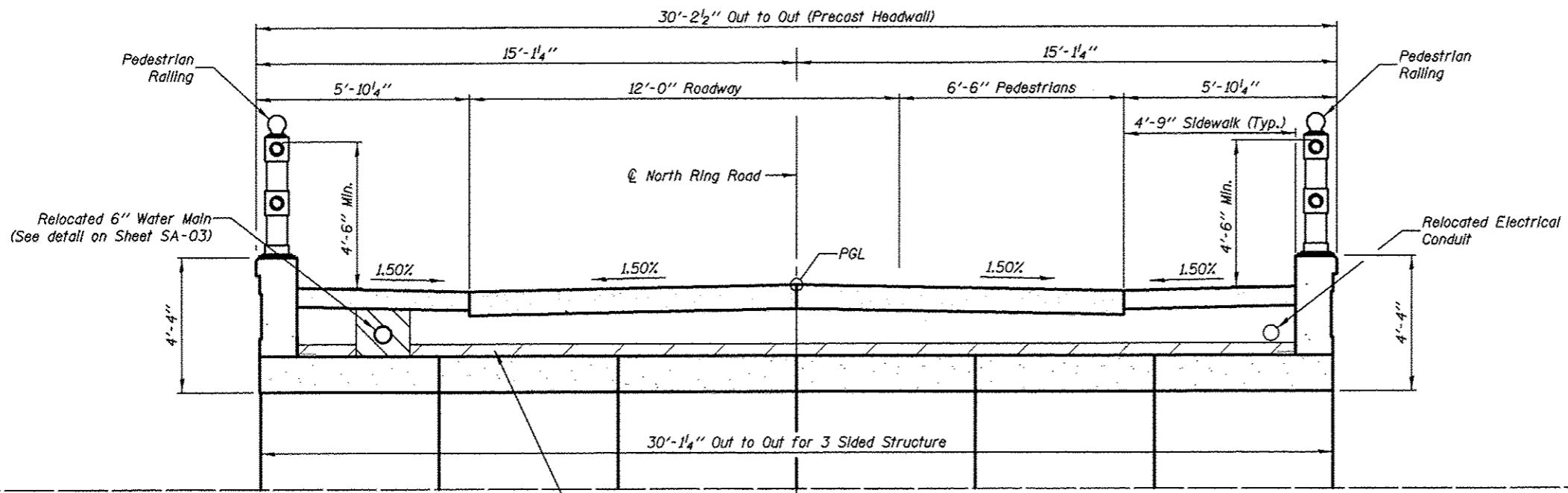
BAR	NO.	SIZE	LENGTH	SHAPE
h1(E)	4	#5	31'-6"	—
h2(E)	8	#5	15'-7"	—
h3(E)	8	#5	5'-10"	—
w1(E)	2	#7	31'-6"	—
w2(E)	4	#5	31'-6"	—
w3(E)	4	#7	15'-7"	—
w4(E)	8	#5	15'-7"	—
w5(E)	4	#7	9'-4"	—
w6(E)	8	#5	5'-10"	—
s1(E)	61	#4	12'-1"	□
ITEM		UNIT	QUANTITY	
Reinforcement Bars, Epoxy Coated		Pound	1,450	
Concrete Structures		Cu. Yd.	25	
Structure Excavation		Cu. Yd.	44	
Furnishing Steel Piles HP 12x53		Foot	208	
Driving Piles		Foot	208	
Test Pile Steel HP 12x53		Each	1	

EAST ABUTMENT BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h1(E)	4	#5	31'-6"	—
h2(E)	8	#5	15'-7"	—
h3(E)	8	#5	5'-10"	—
w1(E)	2	#7	31'-6"	—
w2(E)	4	#5	31'-6"	—
w3(E)	4	#7	15'-7"	—
w4(E)	8	#5	15'-7"	—
w5(E)	4	#7	9'-4"	—
w6(E)	8	#5	5'-10"	—
s1(E)	61	#4	12'-1"	□
ITEM		UNIT	QUANTITY	
Reinforcement Bars, Epoxy Coated		Pound	1,450	
Concrete Structures		Cu. Yd.	25	
Structure Excavation		Cu. Yd.	44	
Furnishing Steel Piles HP 12x53		Foot	208	
Driving Piles		Foot	208	
Test Pile Steel HP 12x53		Each	1	

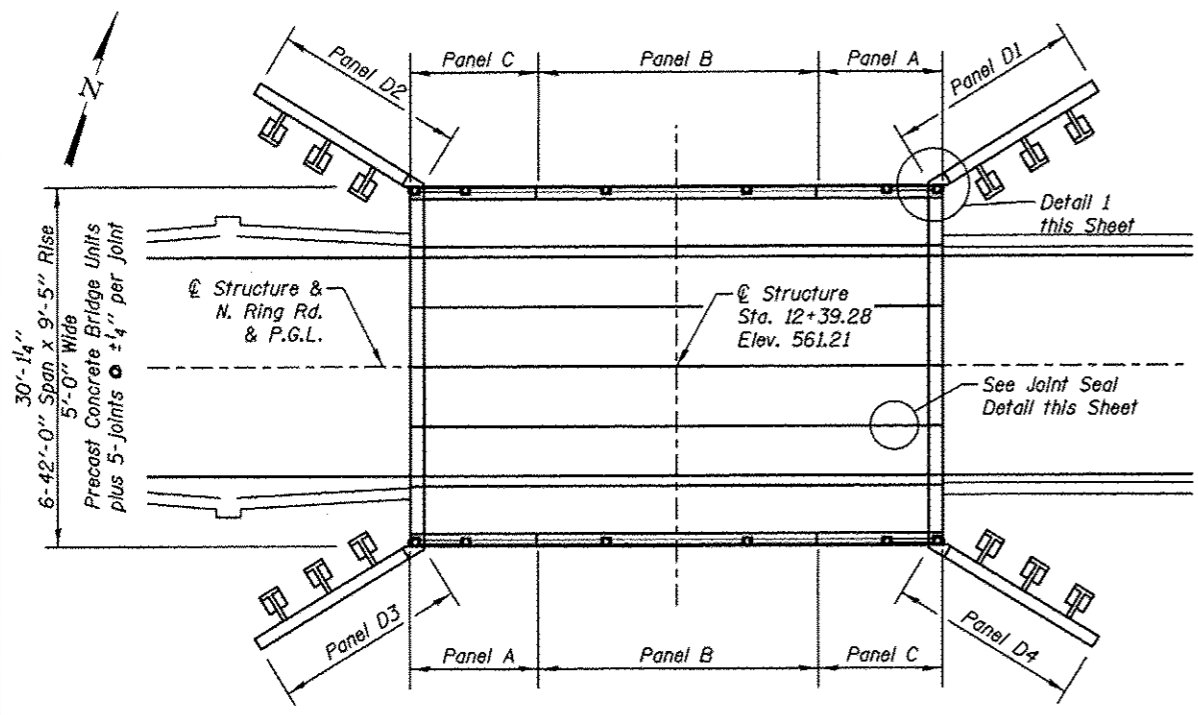


- NOTES:**
- Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the Contract Unit Price per foot for Pedestrian Railing.
 - Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.
 - Hollow steel pipes shall conform to the requirements of ASTM A53 and shall be "standard weight."
 - All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36.
 - All posts, railing, splices, anchor devices, and bent plates shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385. All bolts, nuts, washers, and anchor rods shall be galvanized according to AASHTO M 232 except stainless steel bolts as noted.
 - Vent holes for galvanizing shall be placed in the posts and rails at locations that will not allow the accumulation of moisture in the members.
 - If the option of drilling and epoxy grouting the anchor rods is chosen, the Contractor shall use the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures. The capsule or the adhesive cartridge shall be sealed with premeasured amounts of the adhesive chemical.
 - Space reinforcement to miss anchor rods.

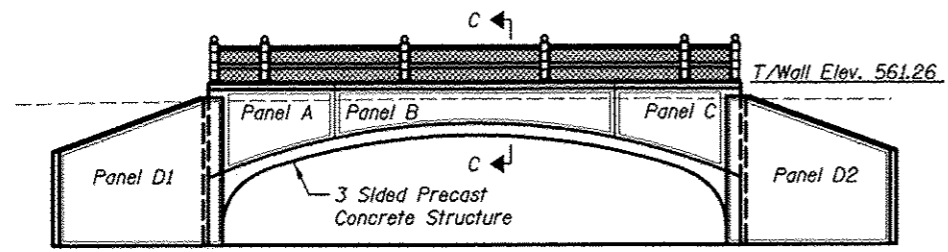
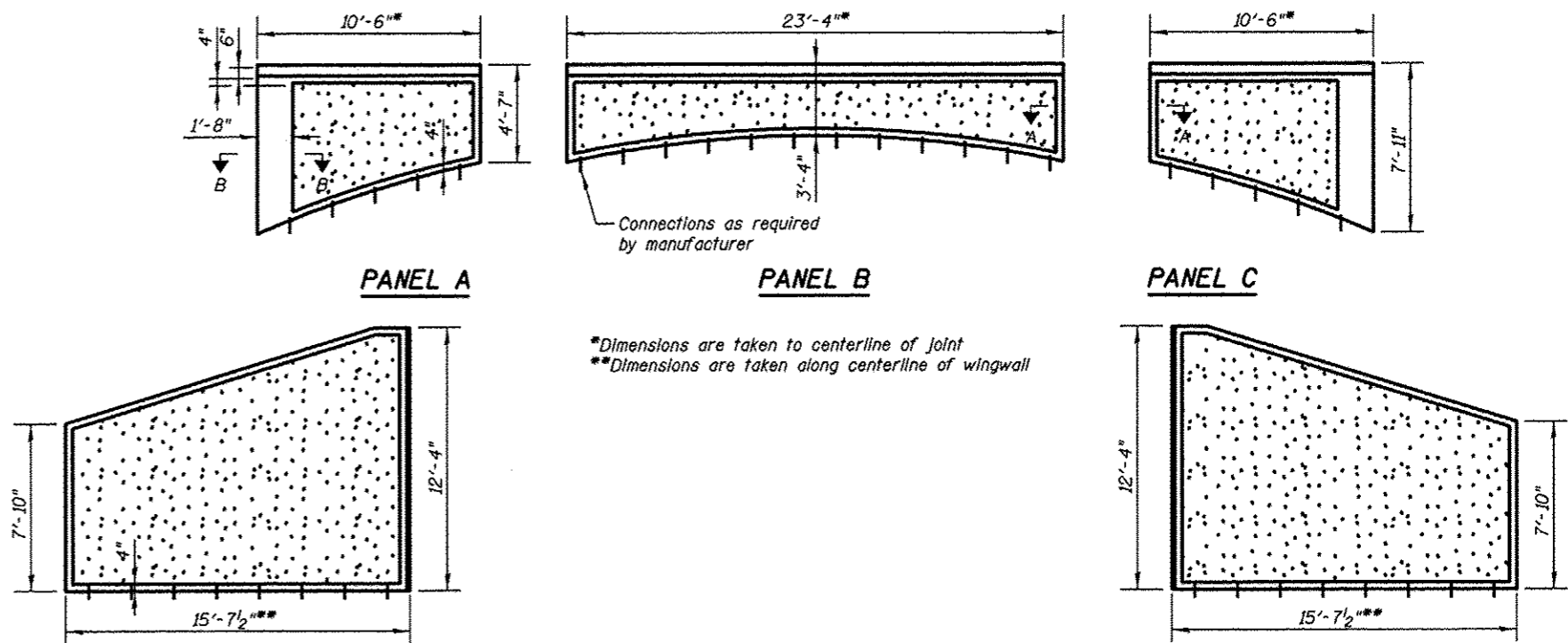


BILL OF MATERIAL

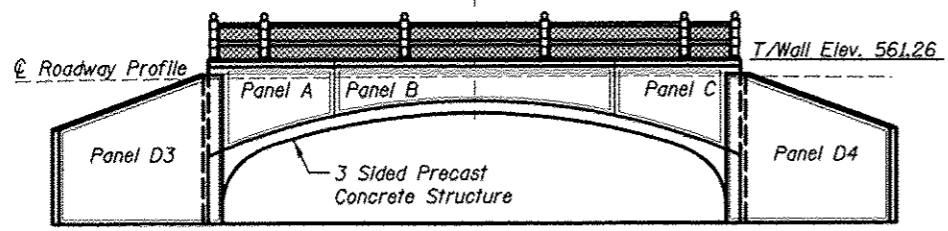
Item	Unit	Quantity
Pipe Handrail, Special	Foot	87



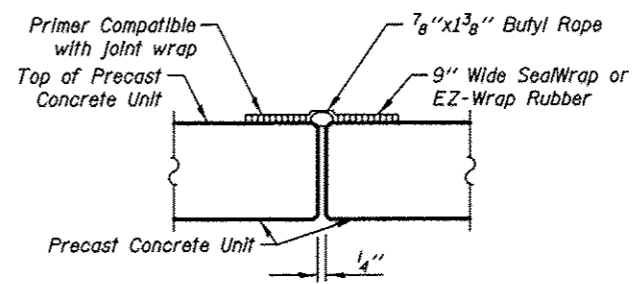
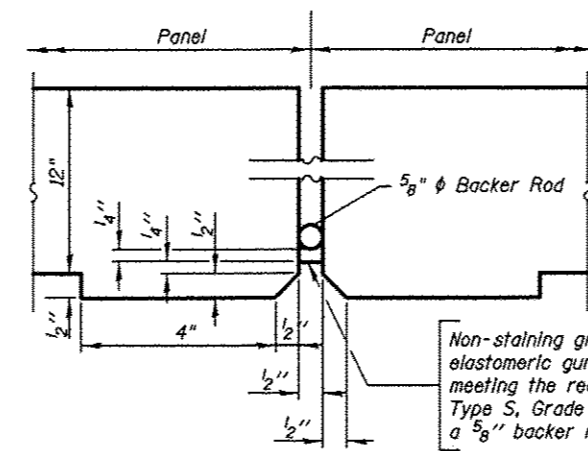
BRIDGE PLAN



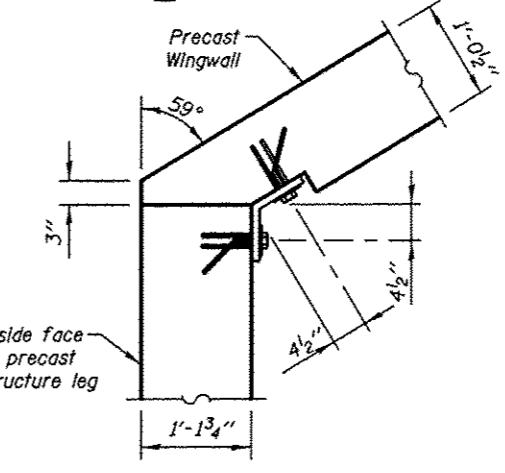
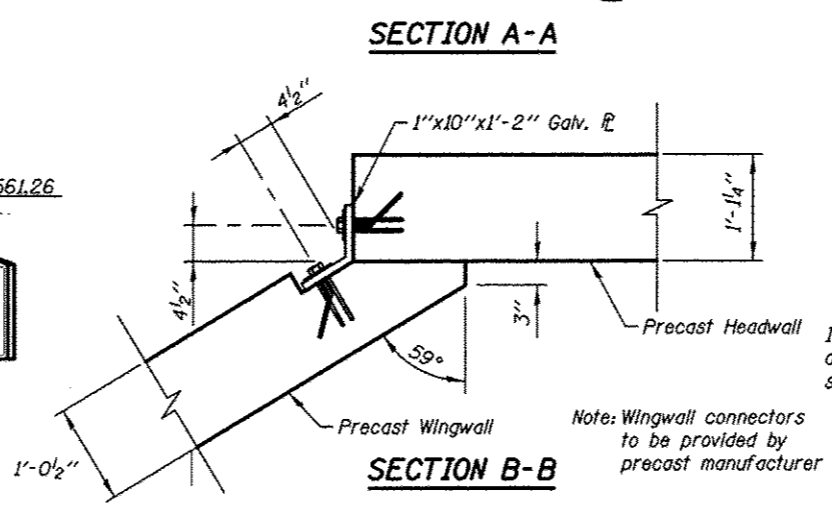
NORTH ELEVATION
Looking South



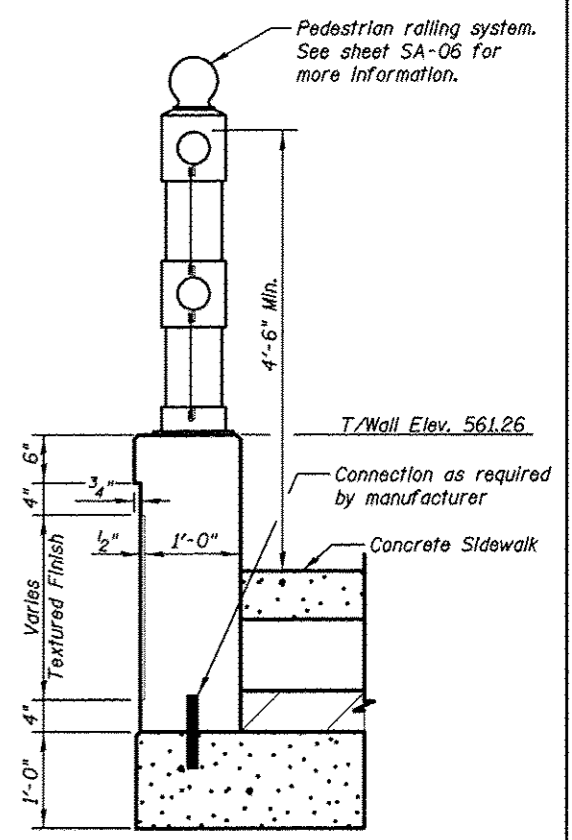
SOUTH ELEVATION
Looking North



JOINT SEAL DETAIL



DETAIL 1



SECTION C-C

KNIGHT
Engineers & Architects

SCALE - NONE
DATE - 10/26/2015

DESIGNED - WPM
CHECKED - JSA
DRAWN - JMC
CHECKED - JSA

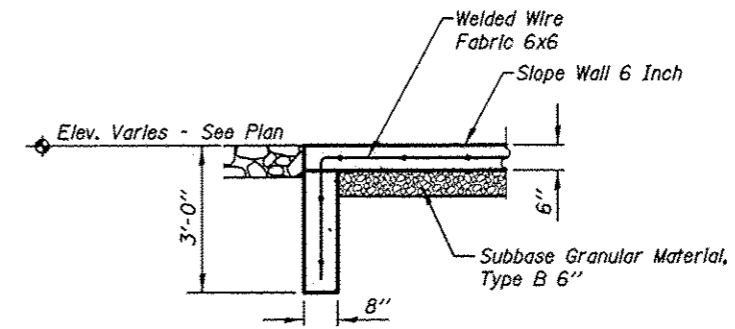
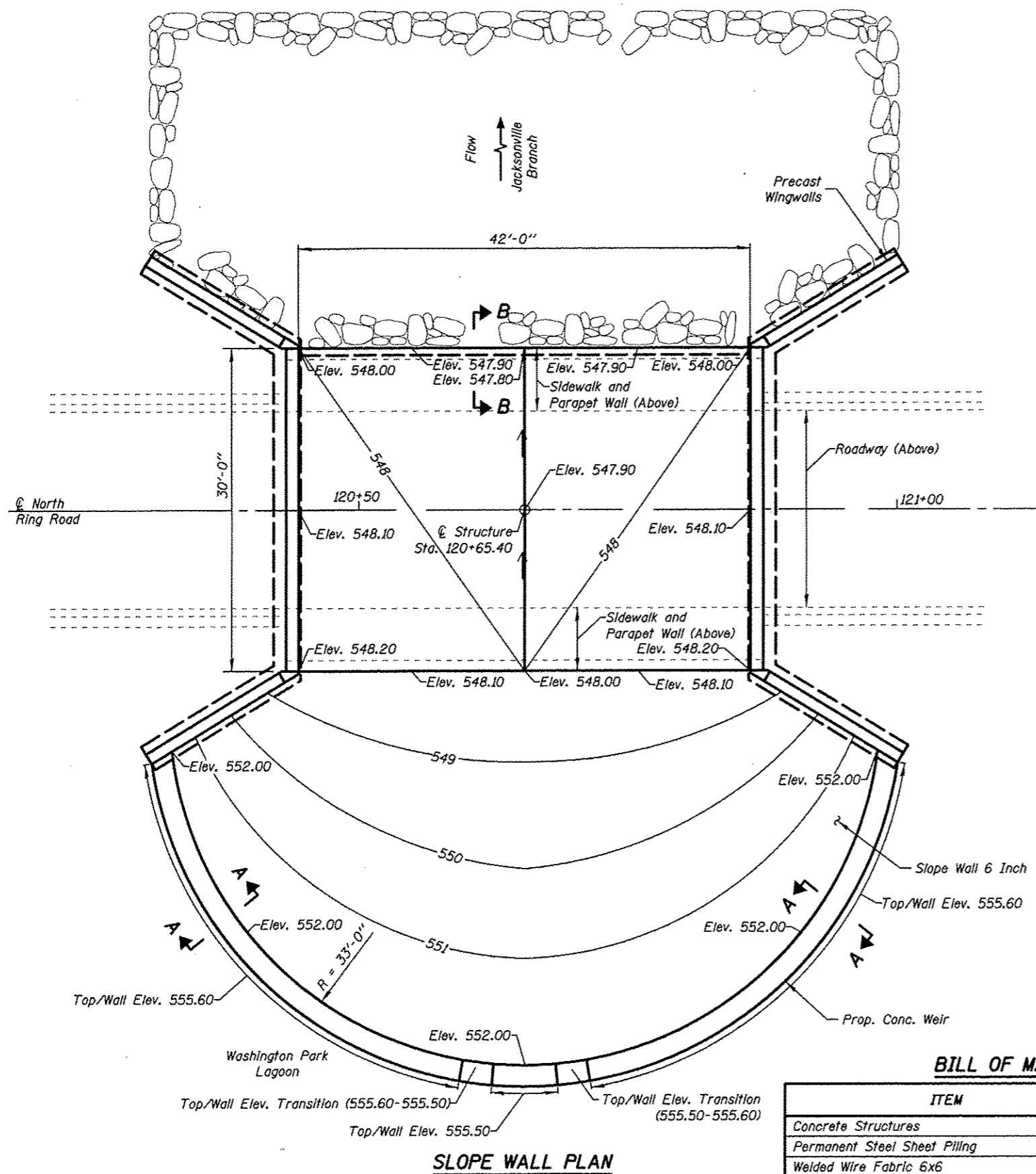
REVISED
REVISED
REVISED
REVISED

**SPRINGFIELD PARK DISTRICT
WASHINGTON PARK BRIDGES
AND SPILLWAY REPLACEMENT**

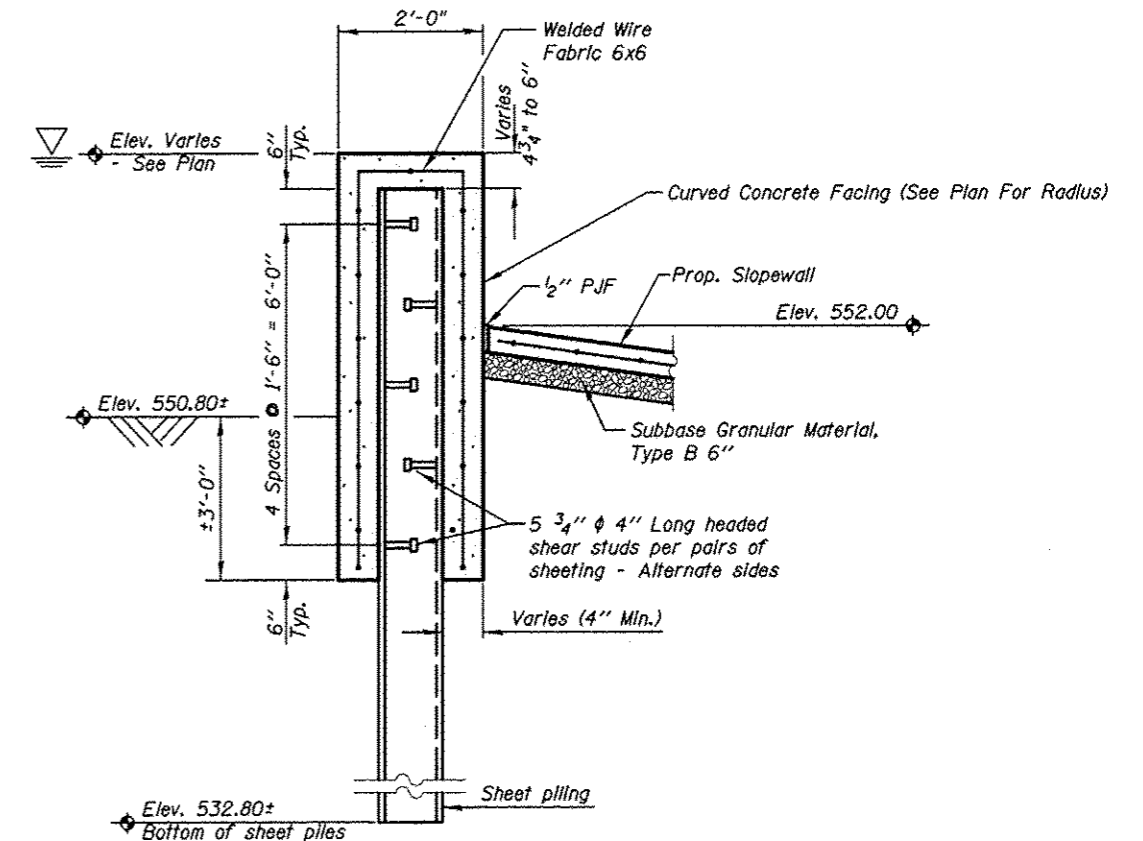
NORTH BRIDGE PRECAST DETAILS
STRUCTURE NO. 084-6021
SHEET NO. SA-07 OF 10 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-P4002-00-BR	SANGAMON	55	26
* TR 1028 A & D				

ILLINOIS FED. AID PROJECT



SECTION B-B



SECTION A-A

Min S_{Req'd} = 19.1 in³/FT

Notes:

Slope wall shall be reinforced with epoxy coated welded wire fabric, 6 in. x 6 in. - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

Weir wall shall be reinforced with epoxy coated welded wire fabric, 6 in. x 6 in. - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

If the Contractor chooses to alter the permanent cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	60
Permanent Steel Sheet Piling	Sq. Ft.	2368
Welded Wire Fabric 6x6	Sq. Yd.	530

KNIGHT
Engineers & Architects

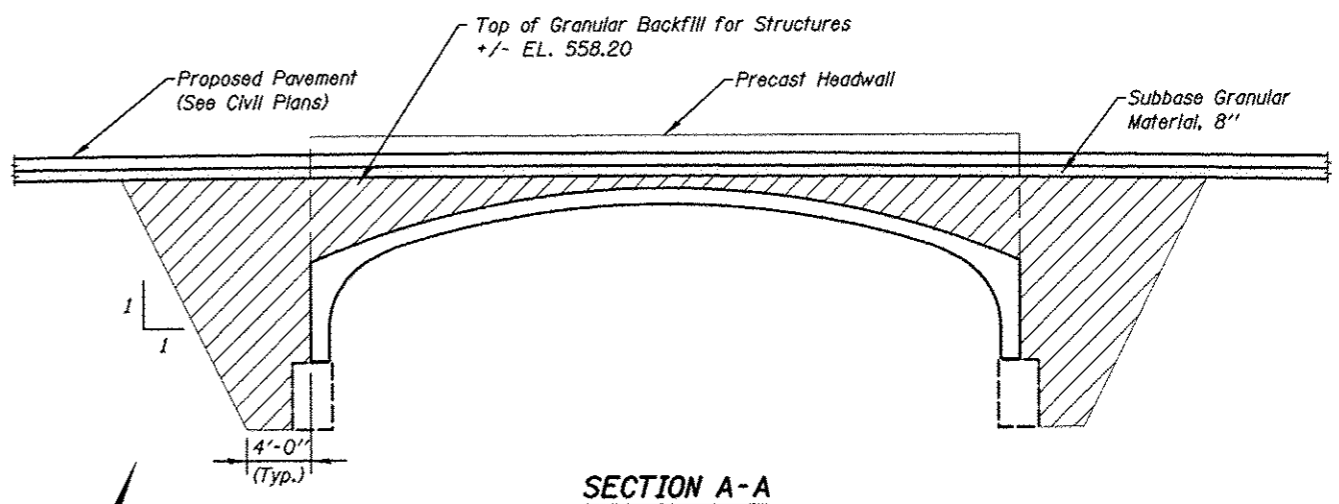
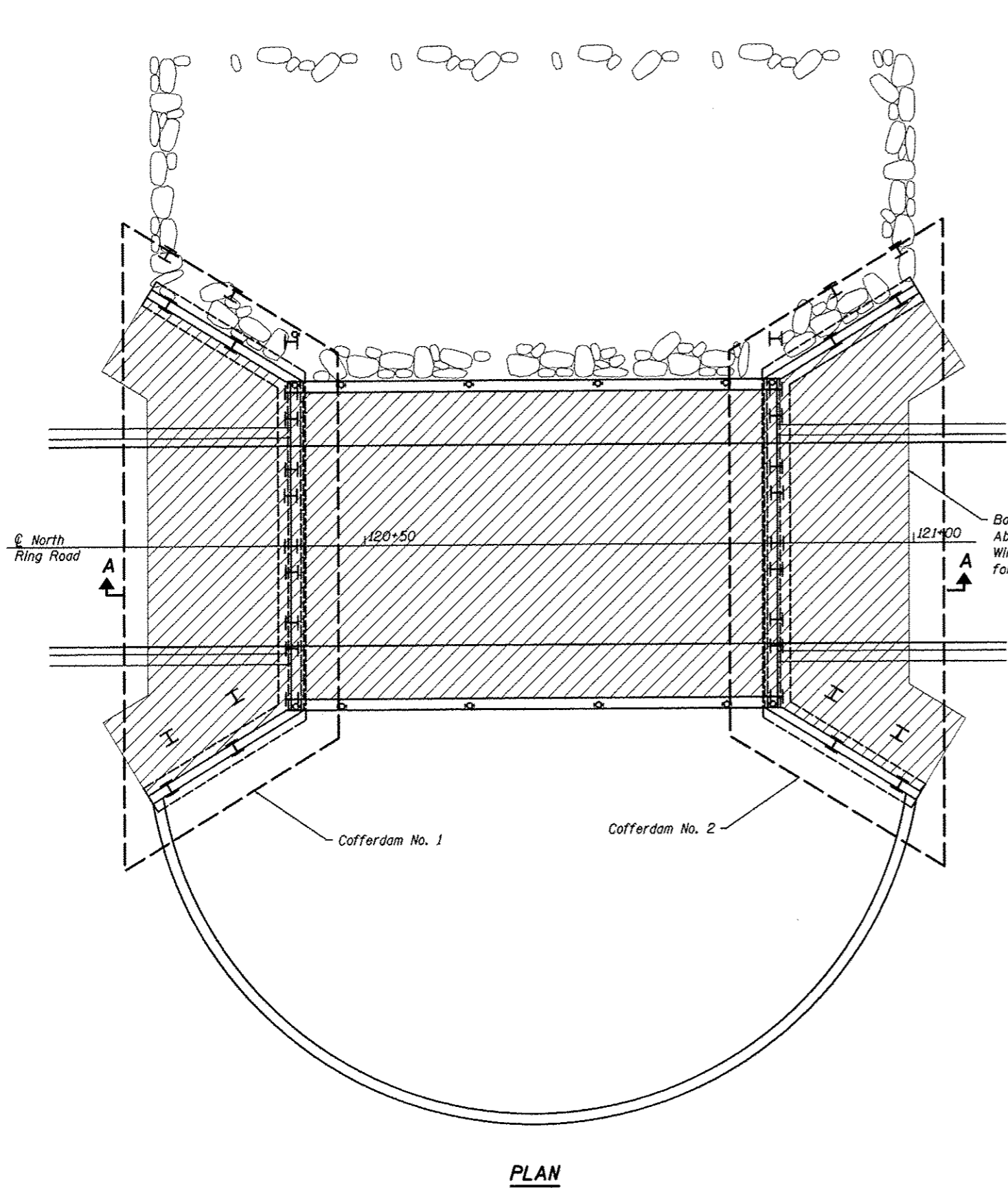
DESIGNED - WPM	REVISIONS
CHECKED - JSA	REVISIONS
DRAWN - JMC	REVISIONS
DATE - 10/26/2015	REVISIONS

**SPRINGFIELD PARK DISTRICT
WASHINGTON PARK BRIDGES
AND SPILLWAY REPLACEMENT**

**SLOPE WALL AND WEIR DETAILS
STRUCTURE NO. 084-6021**

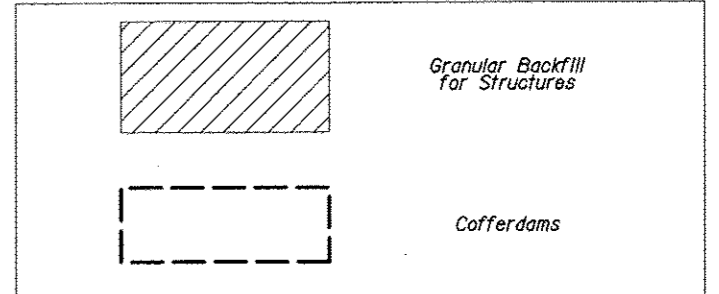
SHEET NO. SA-08 OF 10 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-P4002-00-BR	SANGAMON	55	27
* TR 1028 A & D				
ILLINOIS FED. AID PROJECT				



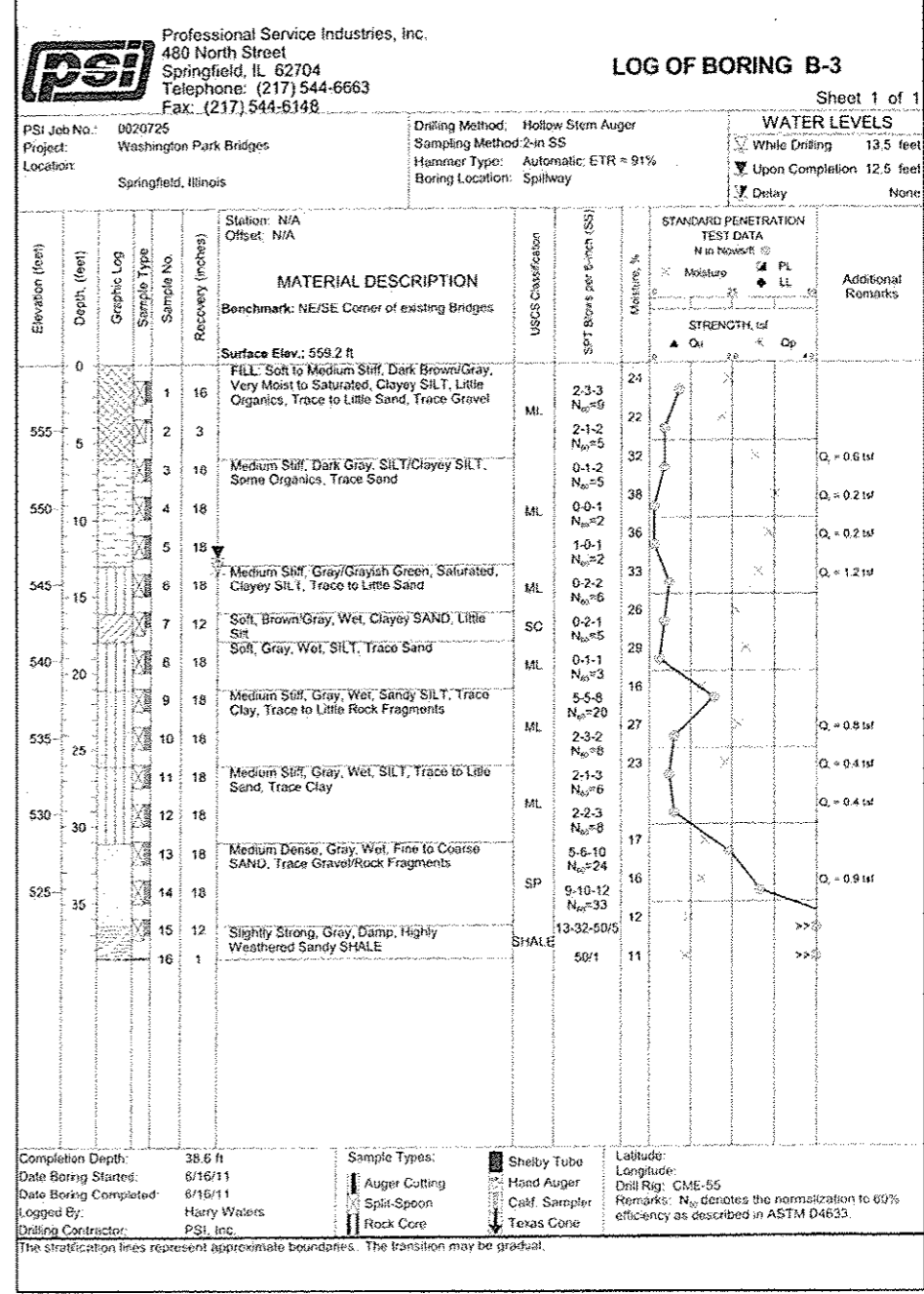
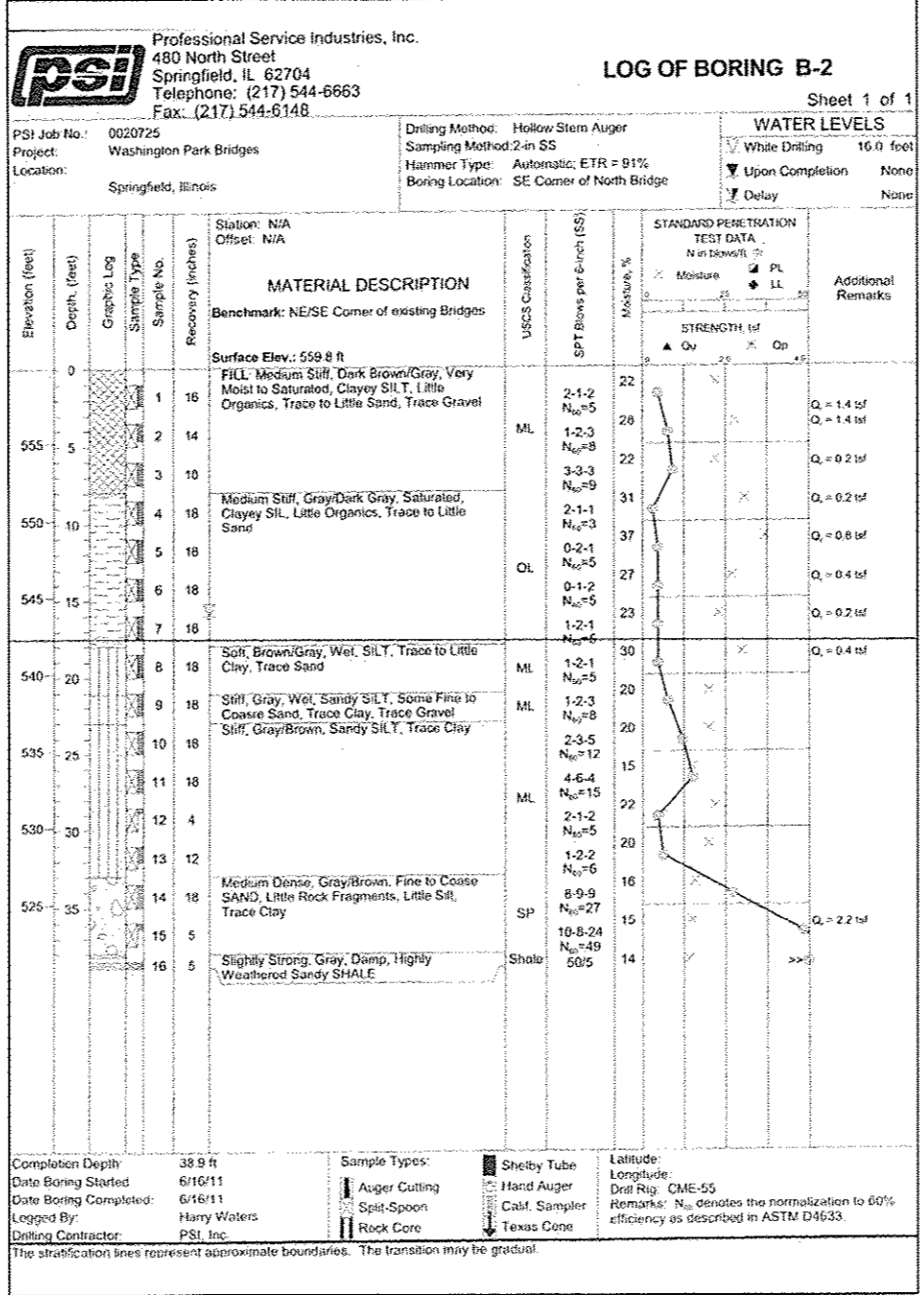
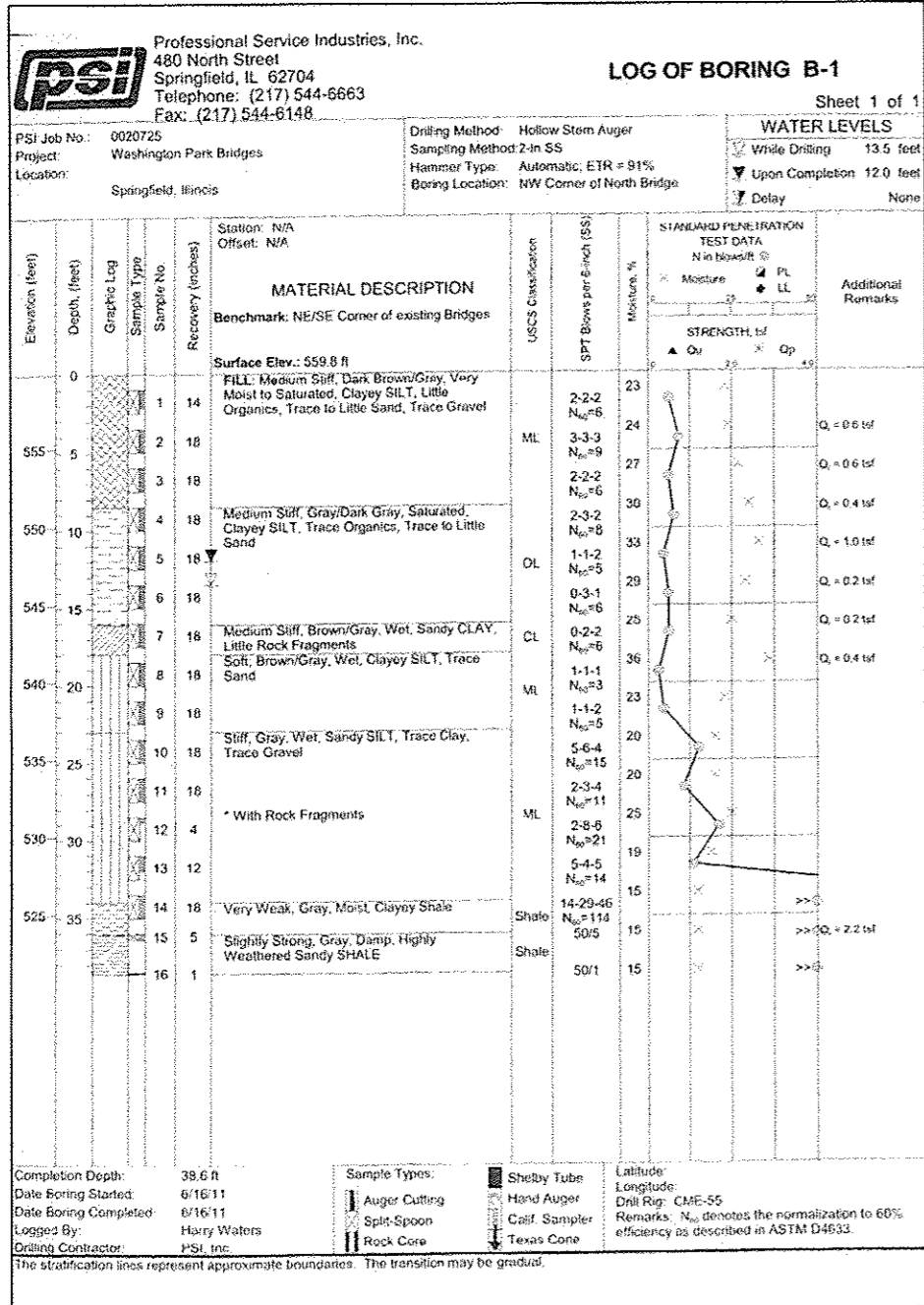
Backfill Bridge Structure, Precast Abutment Walls, and Precast Wingwalls With Granular Backfill for Structures

LEGEND



BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Cofferdam Excavation	Cu. Yd.	918
Cofferdam (Type 1) (Location - 1)	Each	1
Cofferdam (Type 1) (Location - 2)	Each	1



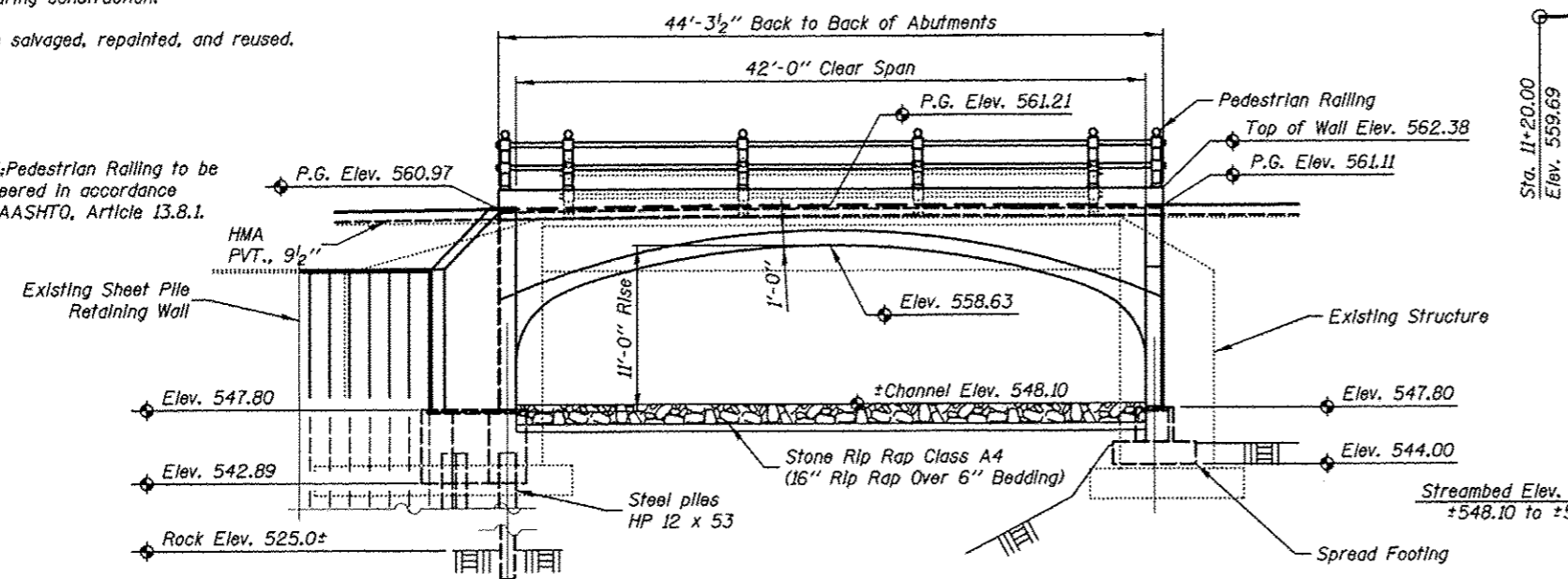
Benchmark #1: Chiseled "X" on light pole foundation, Sta. 10+40.38, 15.51' Ft., Elev. 559.73

Existing Structure: SN 084-6010 was originally built in 1905 as a single-span, cast-in-place concrete deck on steel stringers, supported by two welded-plate girders. The structure has closed abutments constructed on timber piles. The clear width is 30'-0" out to out, and the clear span is 37'-2". The existing structure has recently been posted for a maximum loading of 13 tons.

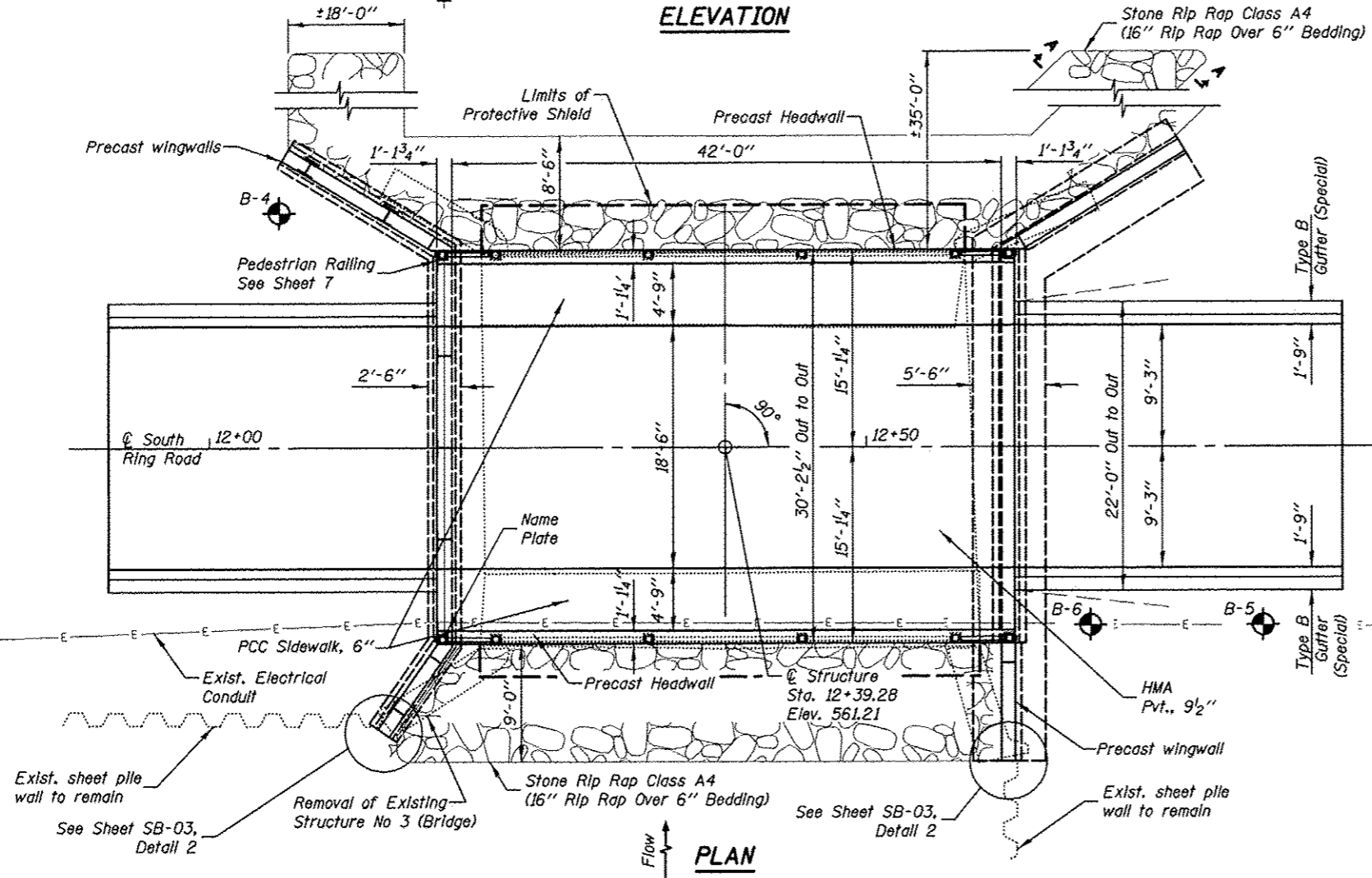
The existing structure will be removed and replaced with a single, three-sided precast concrete structure. The road will be closed to traffic during construction.

The railing shall be salvaged, repainted, and reused.

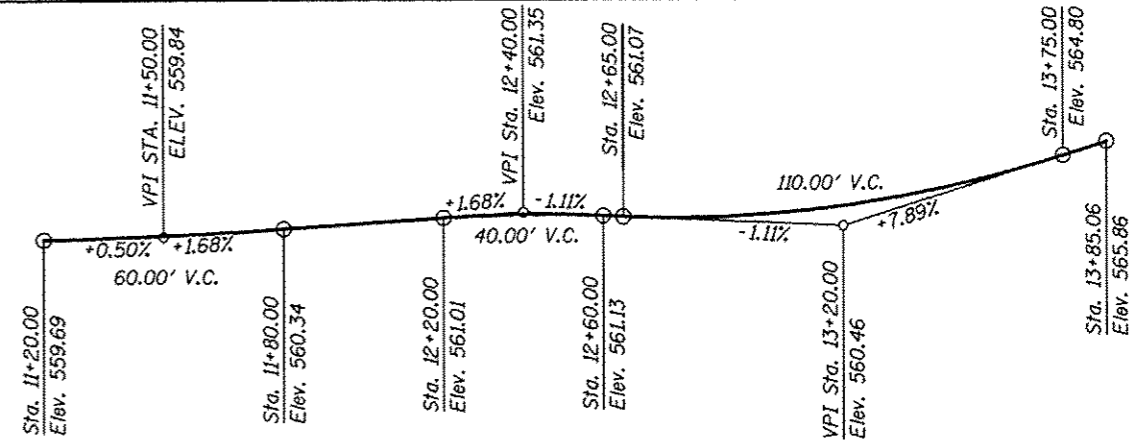
NOTE: Pedestrian Railing to be engineered in accordance with AASHTO, Article 13.8.1.



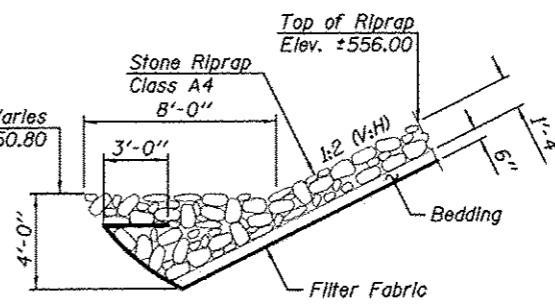
ELEVATION



PLAN



PROFILE GRADE
(Along Centerline of Roadway)



SECTION A-A

DESIGN SPECIFICATIONS
2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES
FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi (reinforcement)

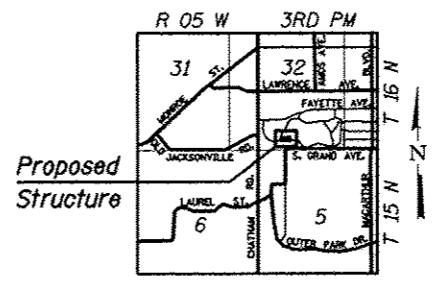
PRECAST UNITS
f_c = 3,500 psi
f_y = 60,000 psi (welded wire fabric)

SEISMIC DATA
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.151g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.270g
Soil Site Class = D

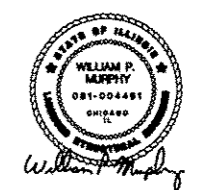
INDEX OF SHEETS

- SB-01 General Plan & Elevation
- SB-02 Notes and Bill of Material
- SB-03 Bridge Elevation & Section
- SB-04 West Abutment Detail
- SB-05 West Abutment Reinforcement Detail
- SB-06 East Abutment Detail
- SB-07 East Abutment Reinforcement Detail
- SB-08 Pedestrian Railing
- SB-09 South Bridge Precast Details
- SB-10 Cofferdams and Granular Backfill for Structures
- SB-11 Soil Boring Logs

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans, the design is an economical one for the style of structure and complies with requirements of the current AASHTO Bridge Design Specifications.



LOCATION SKETCH



Expires 11-30-2016
Date: 10/26/2015
for drawings
SB-01 thru SB-10

GENERAL PLAN & ELEVATION
TR 1028 (PARK ROAD)
(WASHINGTON PARK S. RING RD.)
OVER JACKSONVILLE BRANCH
SANGAMON COUNTY
STA. 12+39.28
STRUCTURE NO. 084-6022

KNIGHT Engineers & Architects	DESIGNED - WPM	REVISOR	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	GENERAL PLAN & ELEVATION STRUCTURE NO. 084-6022 SHEET NO. SB-01 OF 11 SHEETS	SECTION	COUNTY SANGAMON	TOTAL SHEETS	SHEET NO. 55 30
	CHECKED - JSA	REVISOR			SECTION		55	
	DRAWN - JMC	REVISOR			SECTION		30	
	DATE - 10/26/2015	CHECKED - JSA			REVISOR		SECTION	

GENERAL NOTES

- 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 will be paid for the quantity actually furnished at the unit price bid for the work.
- The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of materials for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.
- The foundation design is based on the following maximum reactions applied at the top of the footing/pedestal wall:

Exterior footings: 16 K/FT (vertical), 0.25 K/FT (horizontal)

The Contractor shall verify that the selected structure meets these design parameters. If the design parameters are exceeded, a complete foundation design with calculations, details, and the required seals shall be submitted for review and approval.
- The Contractor shall drive two steel test piles to 110% of the nominal required bearing specified in a permanent location at the East and West abutments as directed by the Engineer before ordering the remainder of piles.
- Each precast unit shall be clearly marked by waterproof paint. The following shall be shown on the inside of the vertical leg of the units:
- Reinforcement bars designated (E) shall be epoxy coated.
- No construction joints except those shown on the plans will be allowed unless approved by the Engineer.
- No concrete cutting will be permitted until the cutting limits have been outlined by the Contractor and approved by the Engineer.
- It shall be the Contractor's responsibility to verify the location of all utilities prior to starting construction. Contact J.U.L.I.E., 800-892-0123.
- The soil boring logs represent point information. Presentation of this information in no way implies that subsurface conditions are the same at locations other than the exact location of the boring.

CONSTRUCTION REQUIREMENTS

- The Three Sided Precast Concrete Structures shall be installed on spread and pile supported cast-in-place concrete footings as detailed in the Plans. The foundation shall be given a smooth float finish and shall reach a compressive strength of 3,500 psi before placement of precast concrete sections. The completed foundation surface shall be constructed in accordance with grades shown on the plans. Precast concrete foundations may not be substituted for cast-in-place foundations.
- The Three Sided Precast Concrete Structures shall be placed as shown on the Plans. Special care shall be taken in setting the precast concrete structures to the true line and grade. The structures shall be set on 6" x 6" masonite or steel shims. A minimum of 1/2 inch gap shall be provided between the foundation and the bottom of the structures vertical legs. The gap shall be filled with cement grout. (Portland cement and water or cement mortar composed of one part Portland cement and three parts of sand, by volume, and water.) See structure manufacturer's instructions.
- The butt joint made by two adjoining structure segments shall be covered with a 7/8" x 1 3/8" (1 1/4" round equivalent) piece of butyl rope and a minimum of a 9-inch wide joint wrap. The surface shall be free of dirt before applying the joint material. A primer compatible with the joint wrap to be used shall be applied for a minimum width of nine inches on each side of the joint. The external wrap shall be either EZ-WRAP RUBBER by PRESS-SEAL GASKET CORPORATION, SEAL WRAP by MAR MAC MANUFACTURING CO. INC. or approved equal. The joint shall be covered continuously from the bottom of one structure segment leg, across the top of the arch and to the opposite structure segment leg. Any laps that result in the joint wrap shall be a minimum of six inches long with the overlap running downhill.
- In addition to the joints between segments, the joint between the end units and the headwalls shall also be sealed. The joint between the end structure segments and the wingwalls shall be sealed with this type of wrap or at the discretion of the Engineer filter fabric may be substituted.
- During the backfilling operation, care shall be taken to keep the joint wrap in its proper location over the joint.
- Backfill shall be considered as all replaced and new embankment adjacent to the Three Sided Precast Concrete Structure units and wingwalls. The IDOT Standard Specifications, which include the specifications for excavation for structures and roadway excavation and embankment construction, shall apply except as modified herein. No backfill shall be placed against any structural elements until they have been approved by the Engineer.
- The backfill volume shall be backfilled with granular material as specified in Article 586.02 and as specified by the three-sided precast concrete structure suppliers design. Mechanic compaction shall be required as specified by the three-sided precast concrete structure suppliers design.
- Mechanical tampers or approved compacting equipment shall be used to compact all backfill and embankment immediately adjacent to each side of the structure and over the top of the structure until it is covered to a minimum depth of one foot. The backfill within four feet of each side of the structure shall be placed in lifts of eight inches or less (loose depth). Heavy compaction equipment shall not be operated in this area or over the structure until it is covered to a depth of one foot. See Backfill Limits Detail this sheet.
- Lightweight dozers and graders may be operated over the structure having one foot of compacted cover, but heavy earth moving equipment (larger than a D-4 Dozer weighing in excess of 12 tons and having track pressures of eight psi or greater) shall require two feet of cover unless the design cover is less than two feet. In no case shall equipment operating in excess of the design load (HS 20) be permitted over the structure unless approved by the precast structure manufacturer.
- Any additional fill and subsequent excavation required to provide this minimum cover shall be made at no additional cost to the project.
- As a precaution against introducing unbalanced stresses in the three-sided structure when placing backfill, at no time shall the difference between the heights of fill on opposite sides of the structure exceed 24 inches.
- The Protective Shield shall extend the full length of the structure at a minimum of two (2) feet beyond the existing edge of deck.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		408	408
Filter Fabric	Sq. Yd.		461	461
Removal of Existing Structures No. 3	Each			1
Protective Shield	Sq. Yd.	159		159
Structure Excavation	Cu. Yd.		106	106
Cofferdam Excavation	Cu. Yd.		512	512
Rock Excavation For Structures	Cu. Yd.		43	43
Cofferdam (Type 1) (Location - 3)	Each		1	1
Cofferdam (Type 1) (Location - 4)	Each		1	1
Concrete Structures	Cu. Yd.		53	53
Reinforcement Bars, Epoxy Coated	Pound		4100	4100
Furnishing Steel Piles HP12X53	Foot		182	182
Driving Piles	Foot		182	182
Test Pile Steel HP12X53	Each		1	1
Name Plates	Each		1	1
Pipe Handrail, Special	Foot	87		87
Granular Backfill For Structures	Cu. Yd.		749	749
Three-Sided Precast Concrete Structures 42' x 11'	Foot		30.1	30.1

WATERWAY INFORMATION

Drainage Area = 7.6 Sq. Mi. Low Grade Elev. 559.81 @ Sta. 11+00									
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exlst.	Prop.		Exlst.	Prop.	Exlst.	Prop.
Overtopping	5	1823	143	248	558.0	3.1	1.9	561.1	559.8
	10	2268	143	248	558.4	3.1	2.3	561.5	560.7
Design	30	3010	143	248	559.3	3.4	2.1	562.7	561.4
Base	100	3740	143	248	560.1	3.6	2.0	563.6	562.1
Max. Calc.	500								

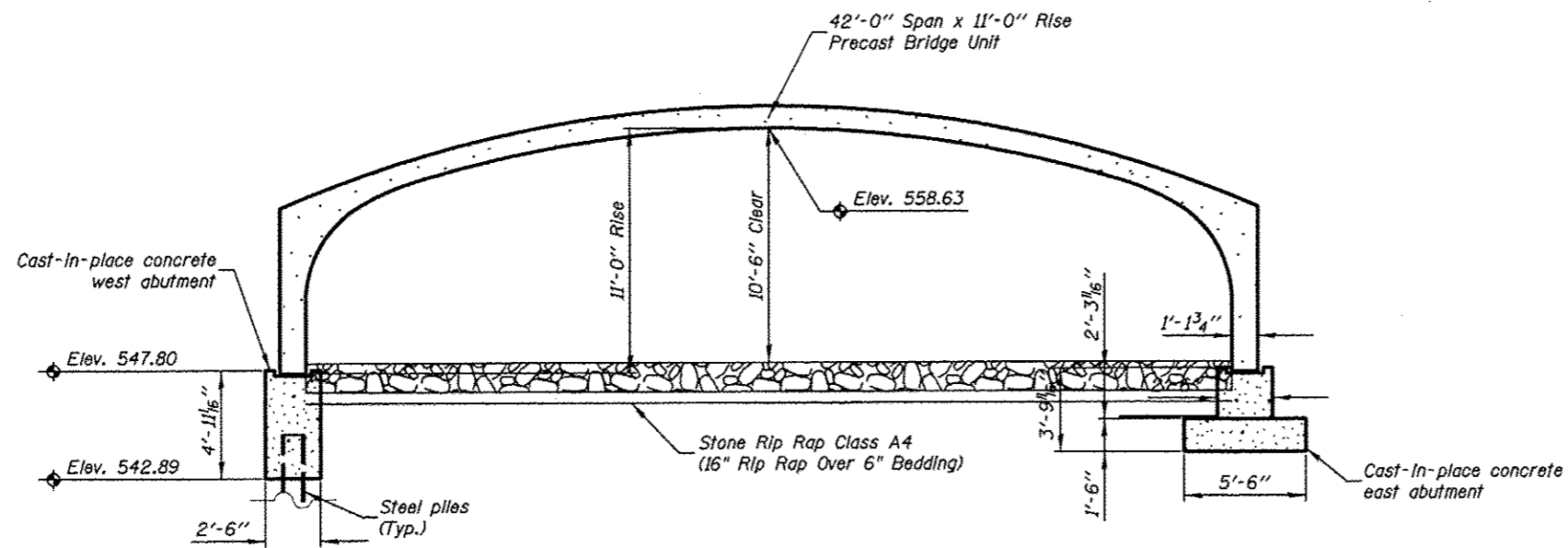
10 Yr. Velocity through Exlst. Bridge = 4.60 fps 10 Yr. Velocity through Prop. Bridge = 7.20 fps

DESIGN SCOUR ELEVATION TABLE

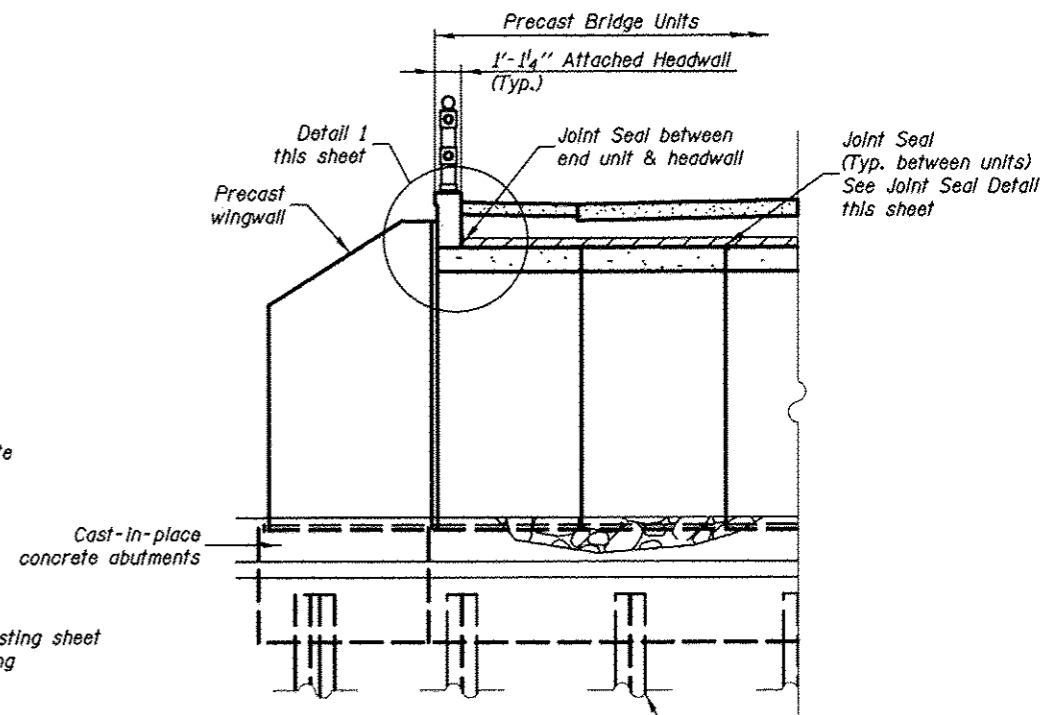
Design Scour Elevation (ft.)	W. Abut.	E. Abut.
	528.8	545.5

STATION 12+39.28
BUILT 2016 BY
SPRINGFIELD PARK DISTRICT
LOADING HL-93
STRUCTURE NO. 084-6022

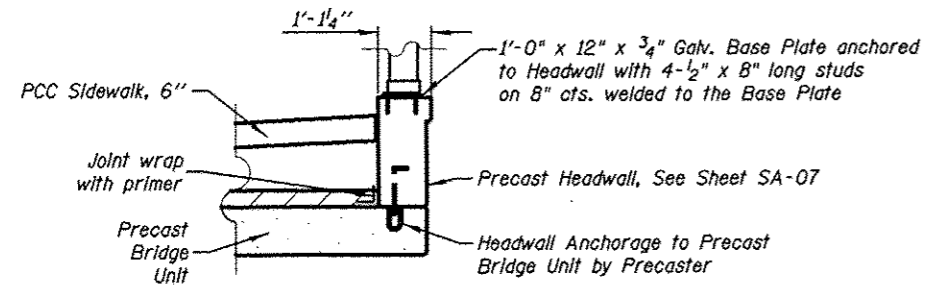
NAME PLATES
See Std. 515001



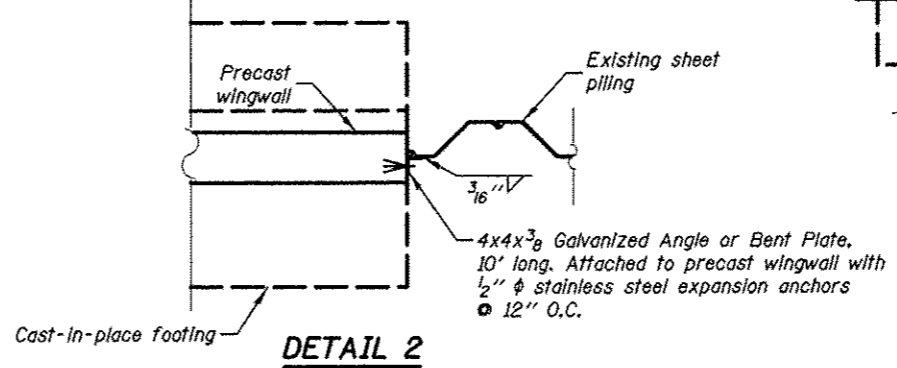
PRECAST SECTION AND ABUTMENT ELEVATION



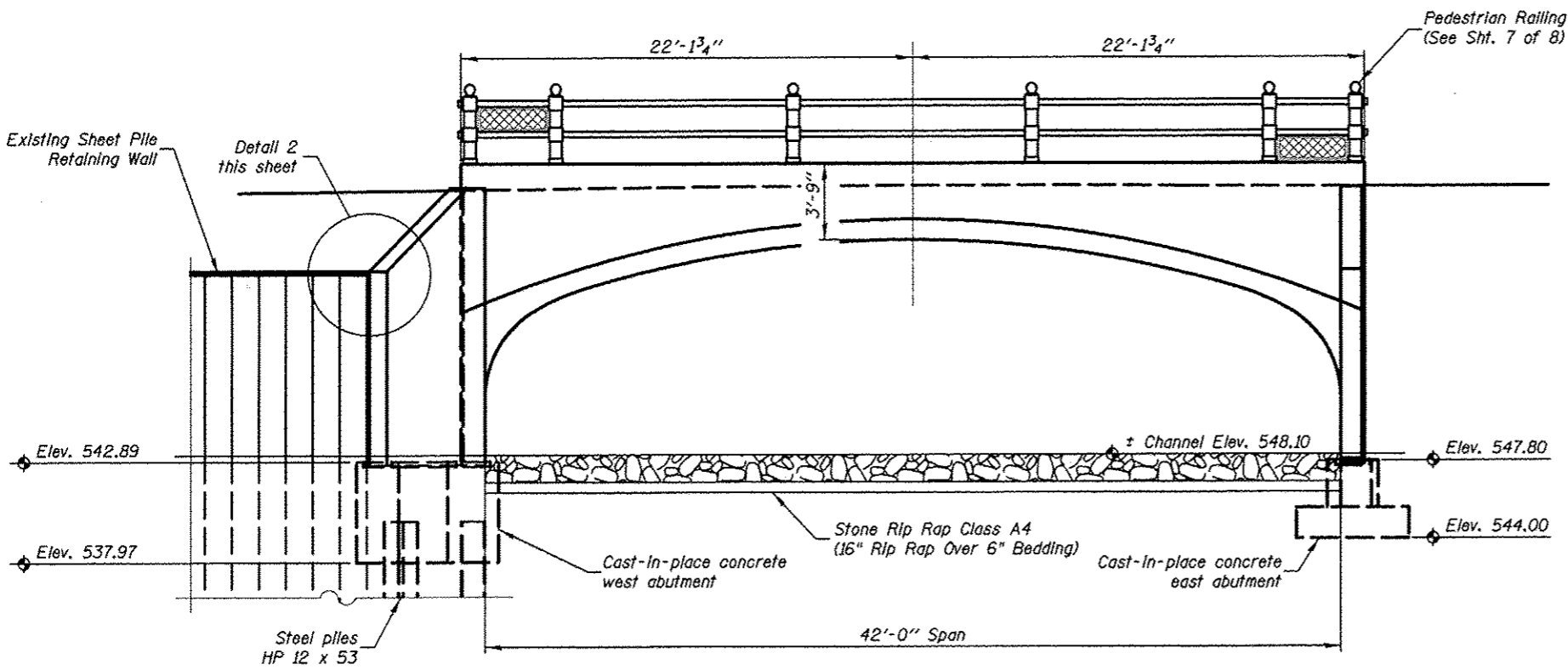
WEST ABUTMENT



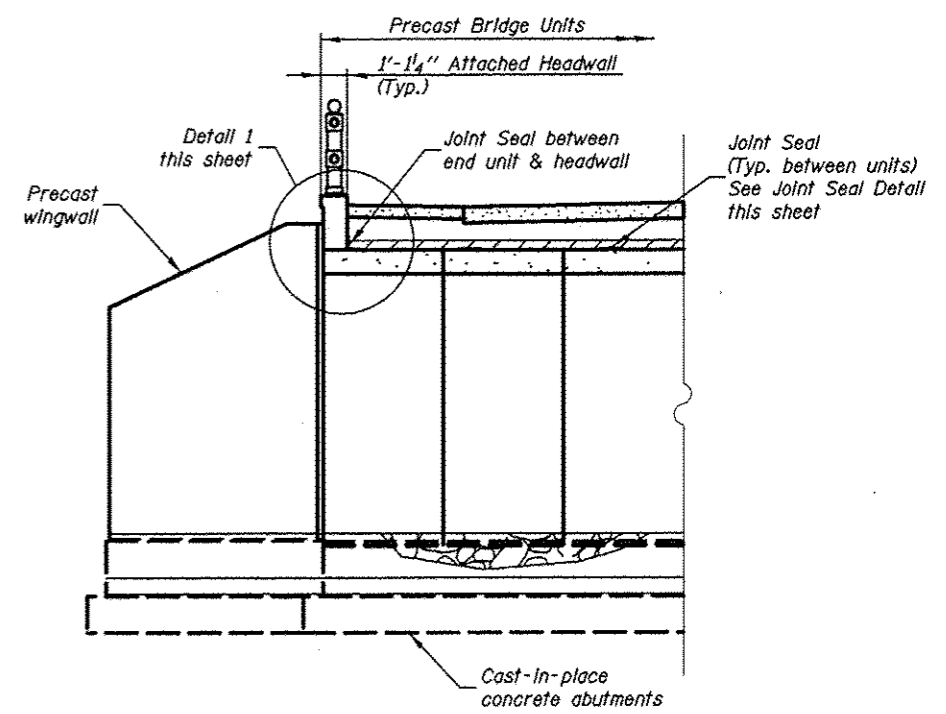
DETAIL 1



DETAIL 2

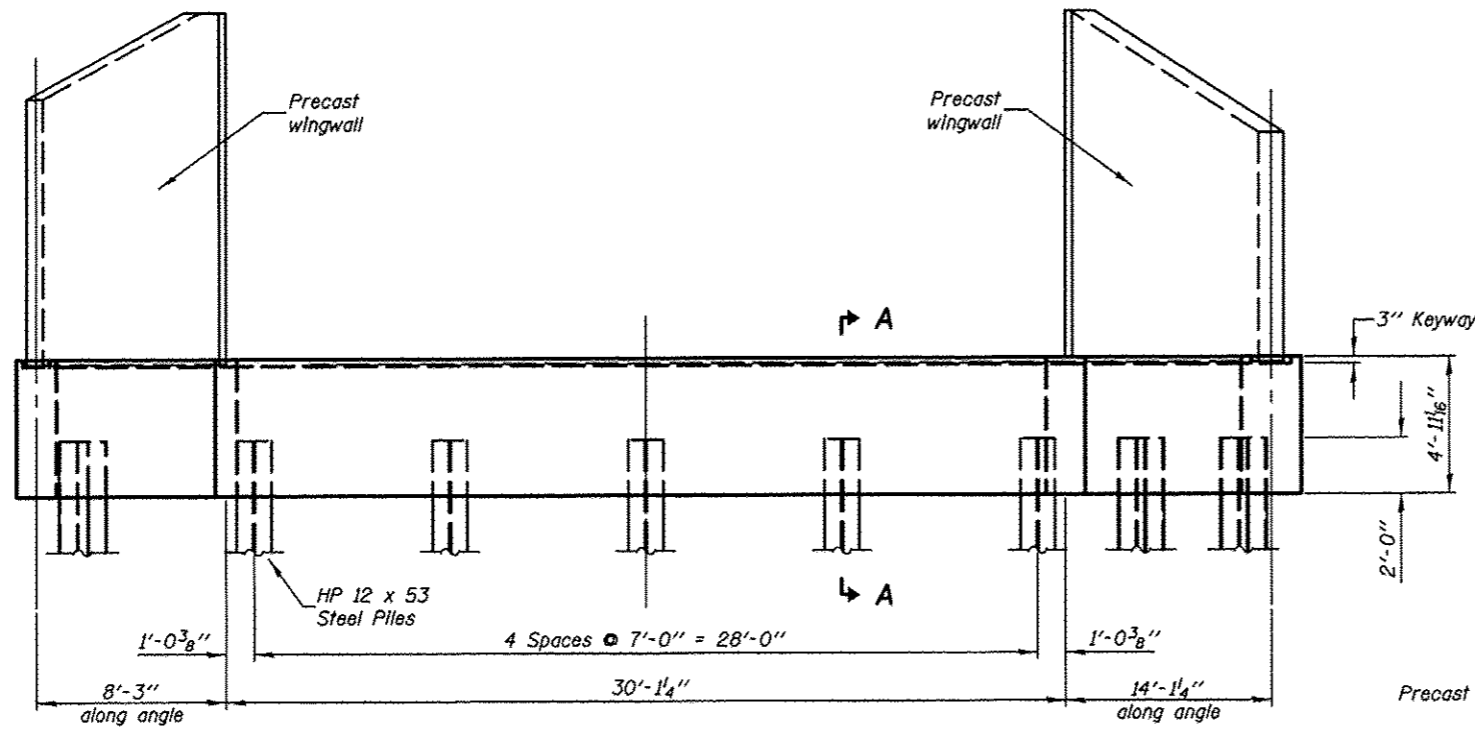


END ELEVATION

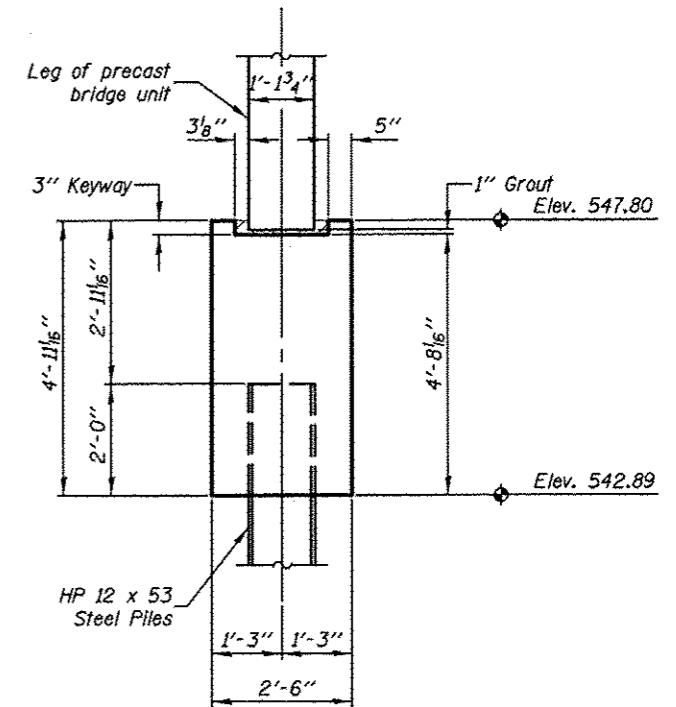


EAST ABUTMENT

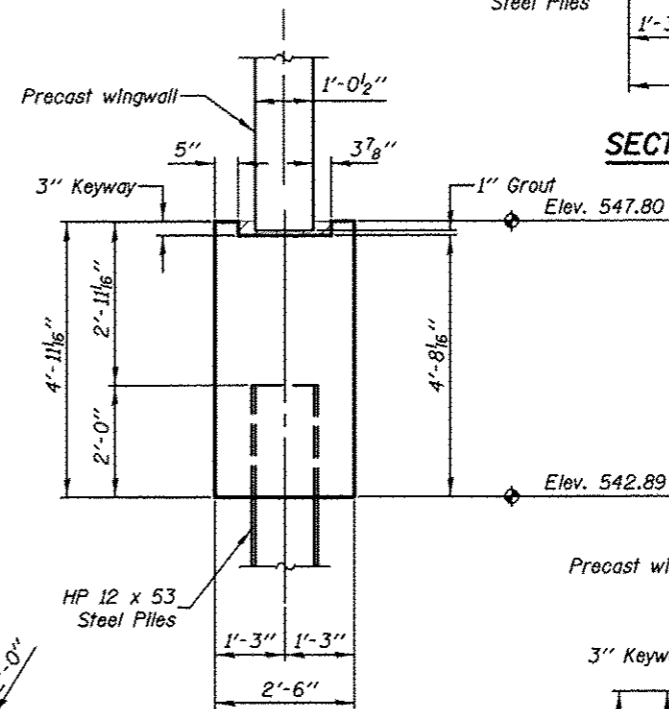
KNIGHT Engineers & Architects	DESIGNED - WPM	REVISED	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	BRIDGE ELEVATION & SECTION STRUCTURE NO. 084-6022 SHEET NO. 5B-03 OF 11 SHEETS	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	CHECKED - JSA	REVISED			*	10-P4002-00-BR	SANGAMON	55	32		
	SCALE - NONE	REVISED			* TR 1028 A & D						
	DATE - 10/26/2015	REVISED			ILLINOIS FED. AID PROJECT						



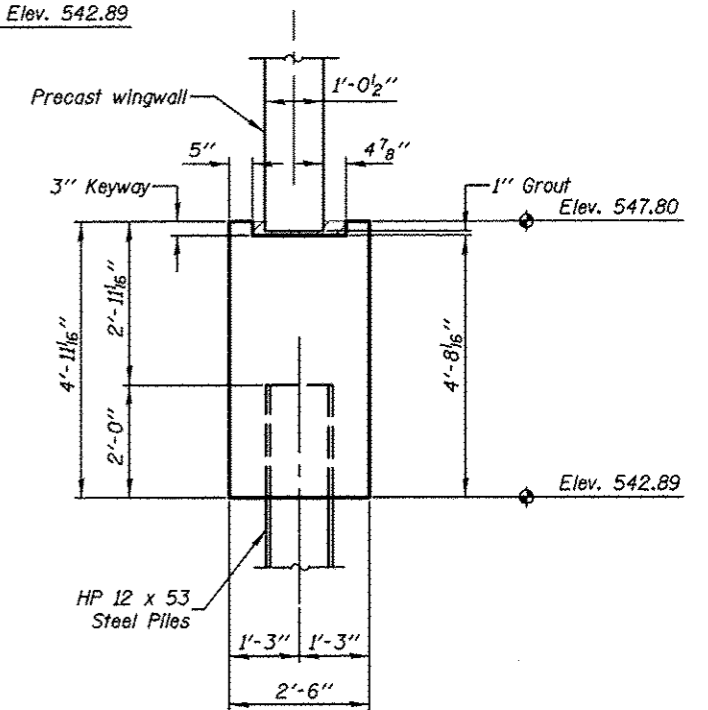
ELEVATION



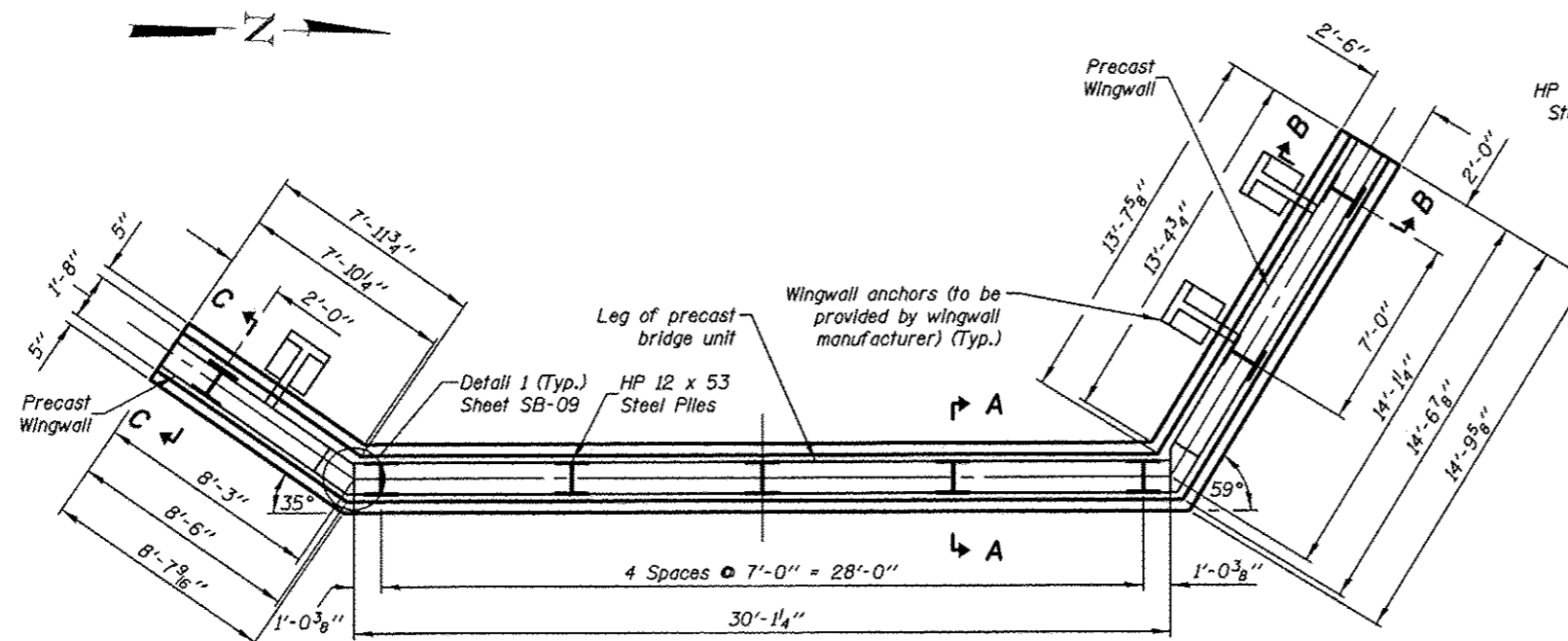
SECTION A-A



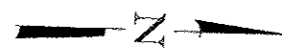
SECTION B-B



SECTION C-C



PLAN



KNIGHT
Engineers & Architects

SCALE - NONE
DATE - 10/26/2015

DESIGNED - WPM
CHECKED - JSA
DRAWN - JMC
CHECKED - JSA

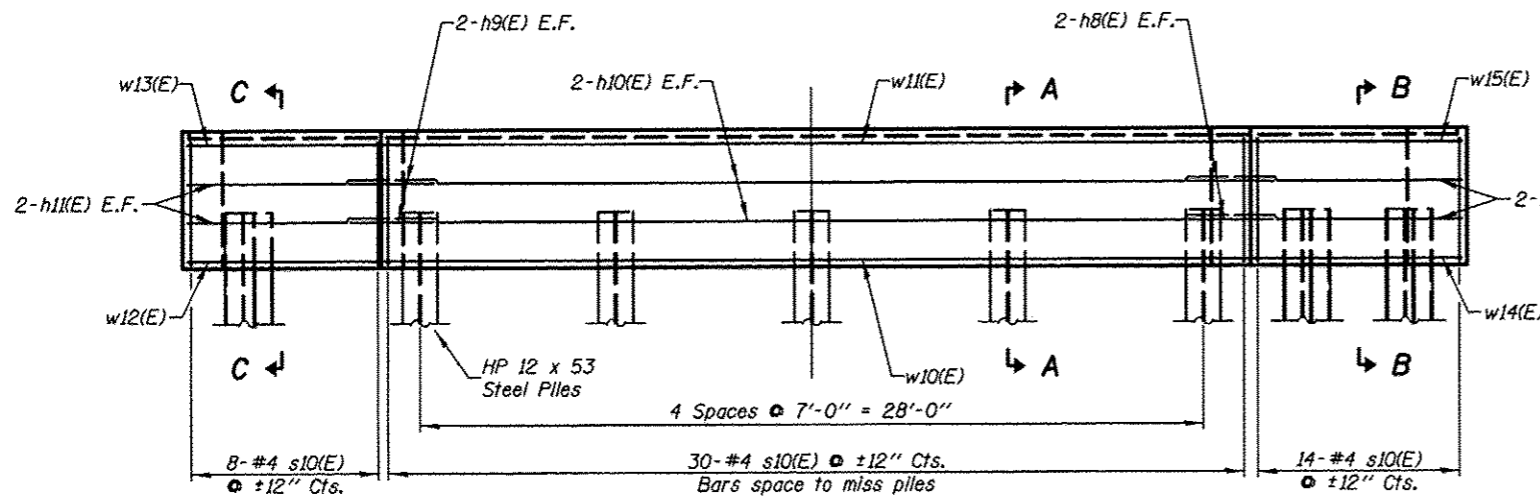
REVISED
REVISED
REVISED
REVISED

**SPRINGFIELD PARK DISTRICT
WASHINGTON PARK BRIDGES
AND SPILLWAY REPLACEMENT**

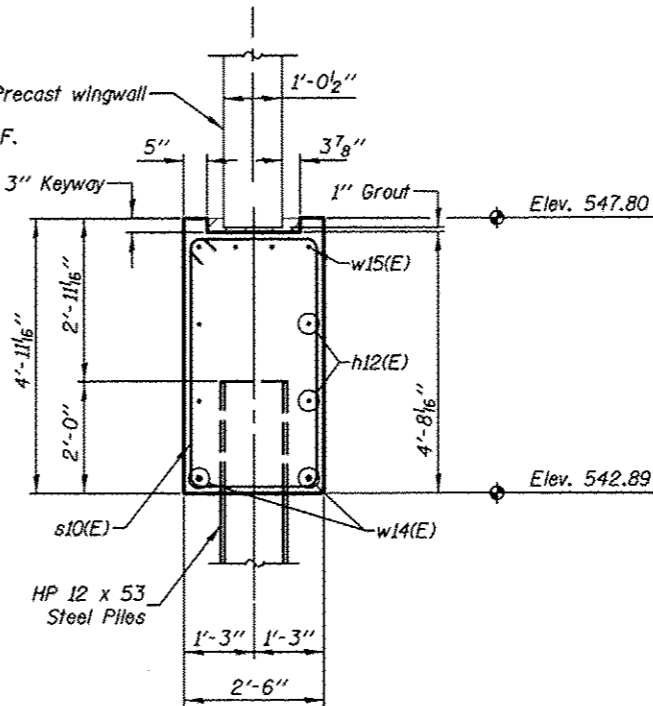
**WEST ABUTMENT DETAIL
STRUCTURE NO. 084-6022**

SHEET NO. SB-04 OF 11 SHEETS

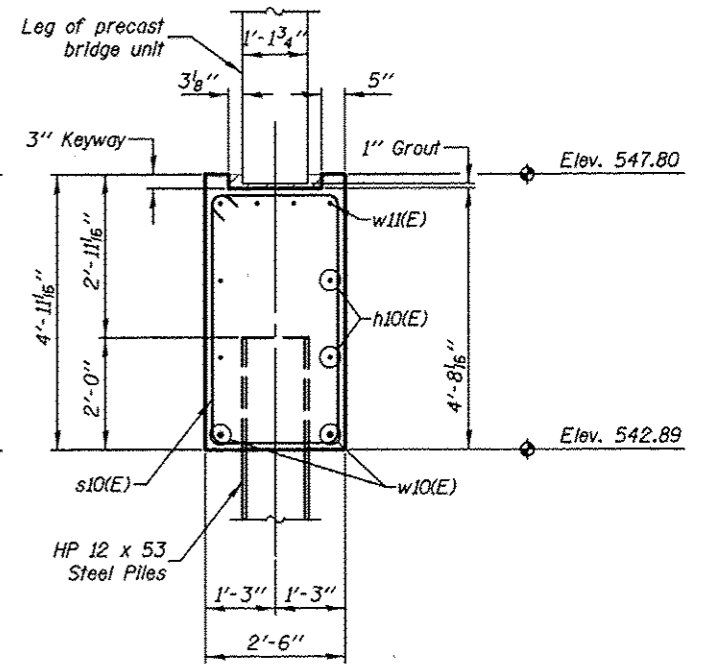
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-P4002-00-BR	SANGAMON	55	33
* TR 1028 A & D				
ILLINOIS FED. AID PROJECT				



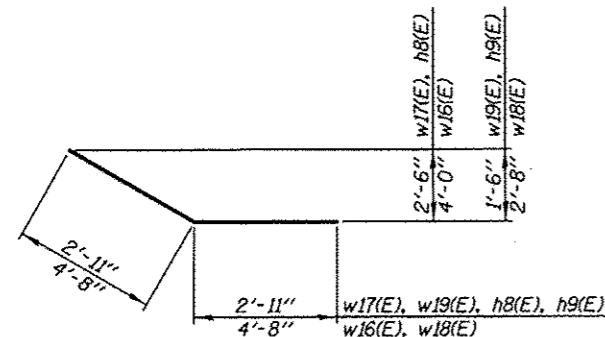
ELEVATION



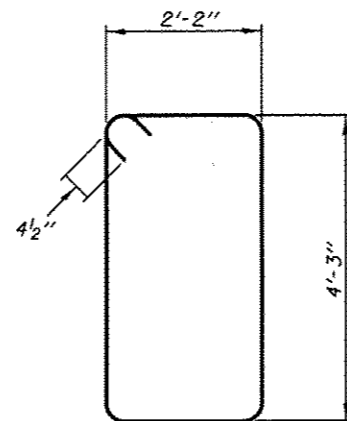
SECTION B-B



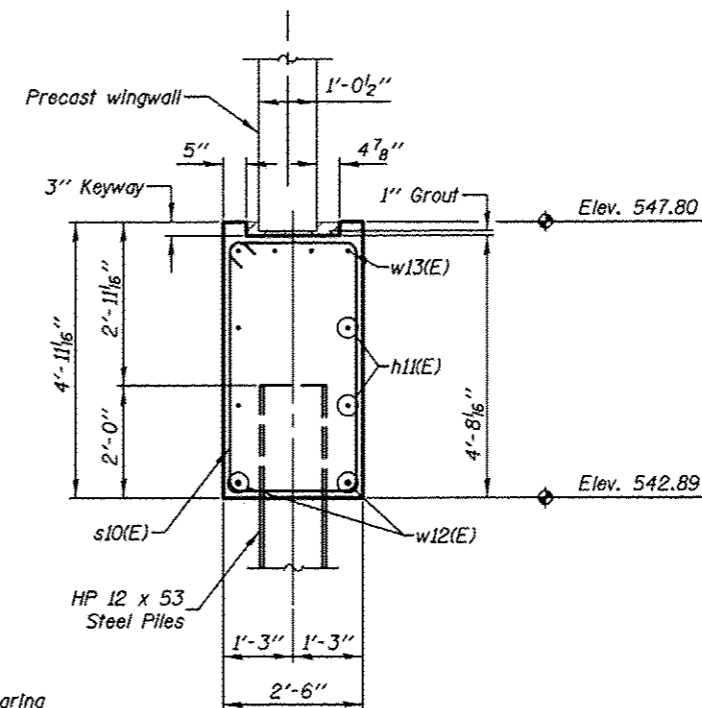
SECTION A-A



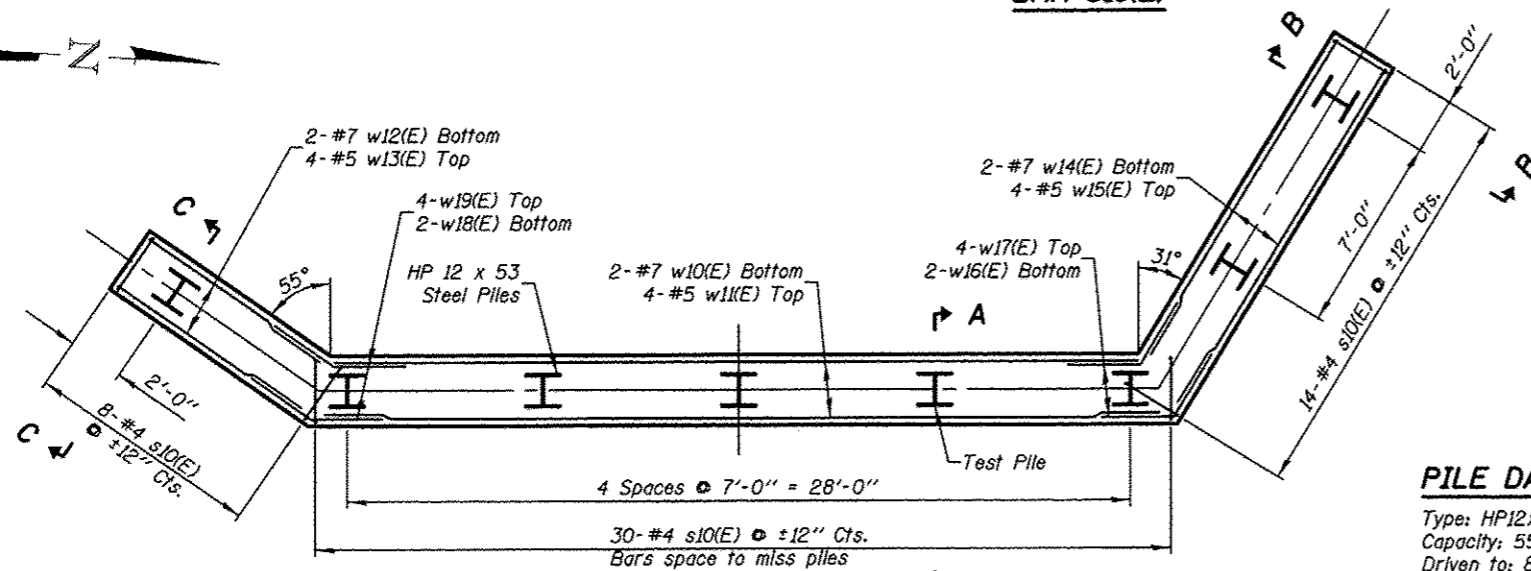
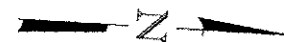
BAR W16(E), W17(E), W18(E), W19(E), H8(E), H9(E)



BAR S10(E)



SECTION C-C



PLAN

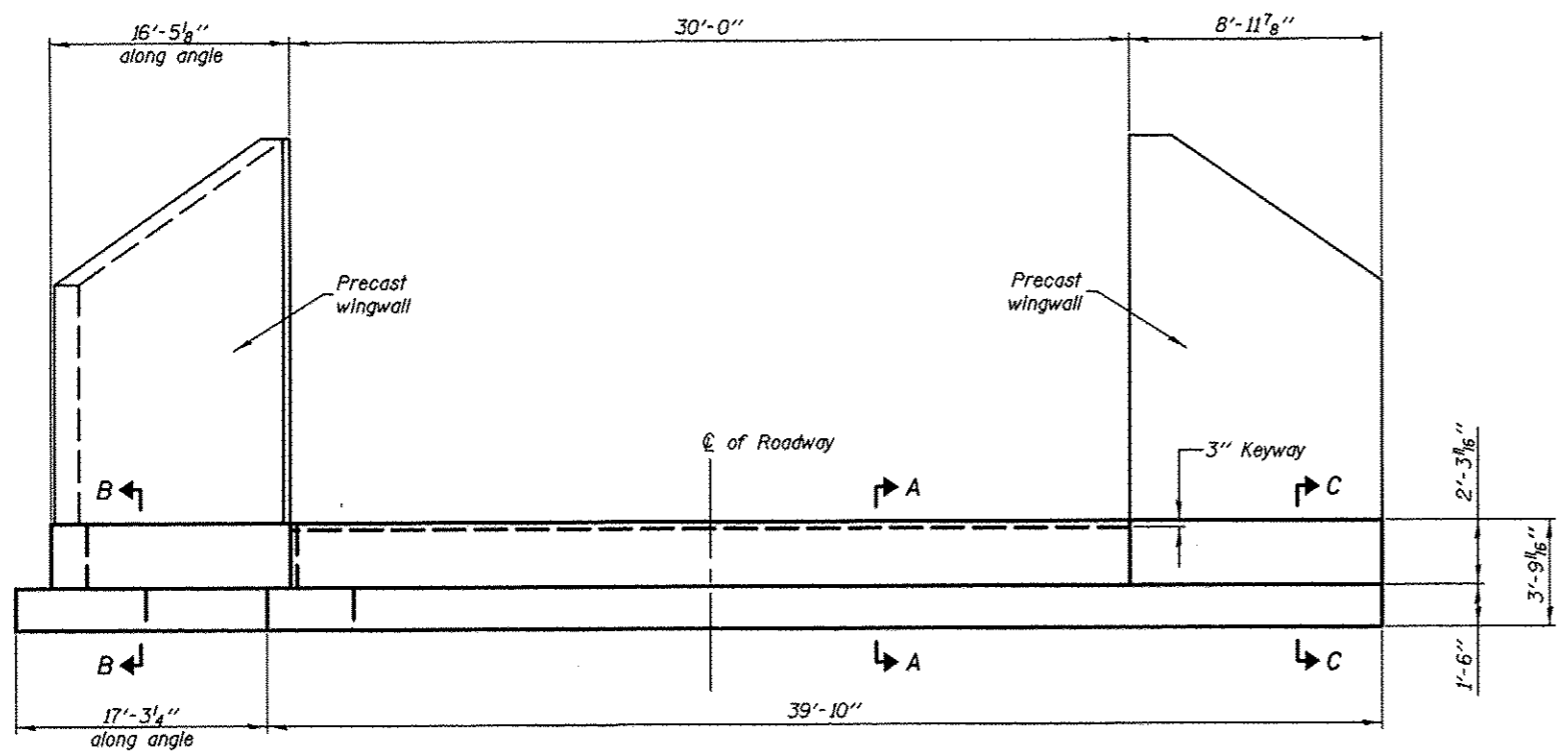
PILE DATA

Type: HP12x53
Capacity: 55T
Driven to: 83T Bearing
Est. Length: 26'
No. Req'd: 7
Test Pile: 1

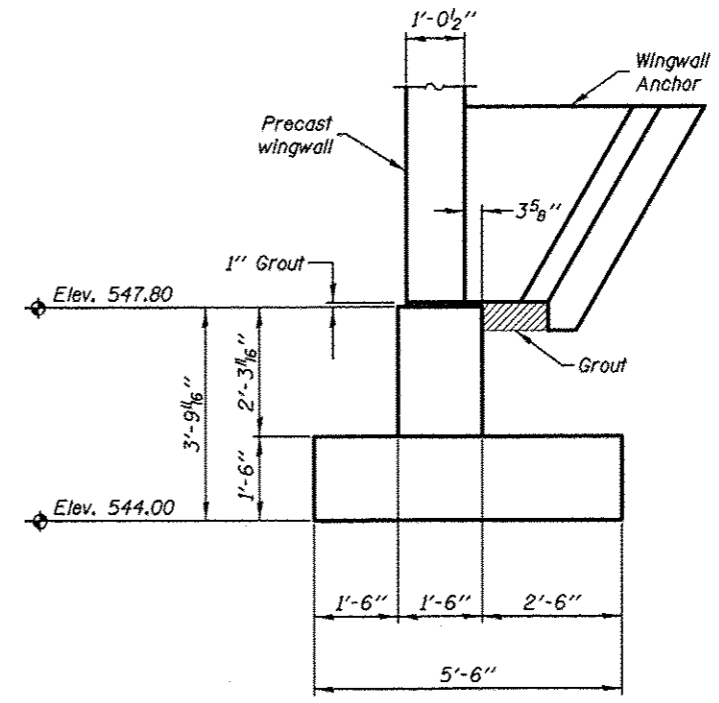
Note:
Test Pile shall be driven to
95 ton bearing

BILL OF MATERIAL

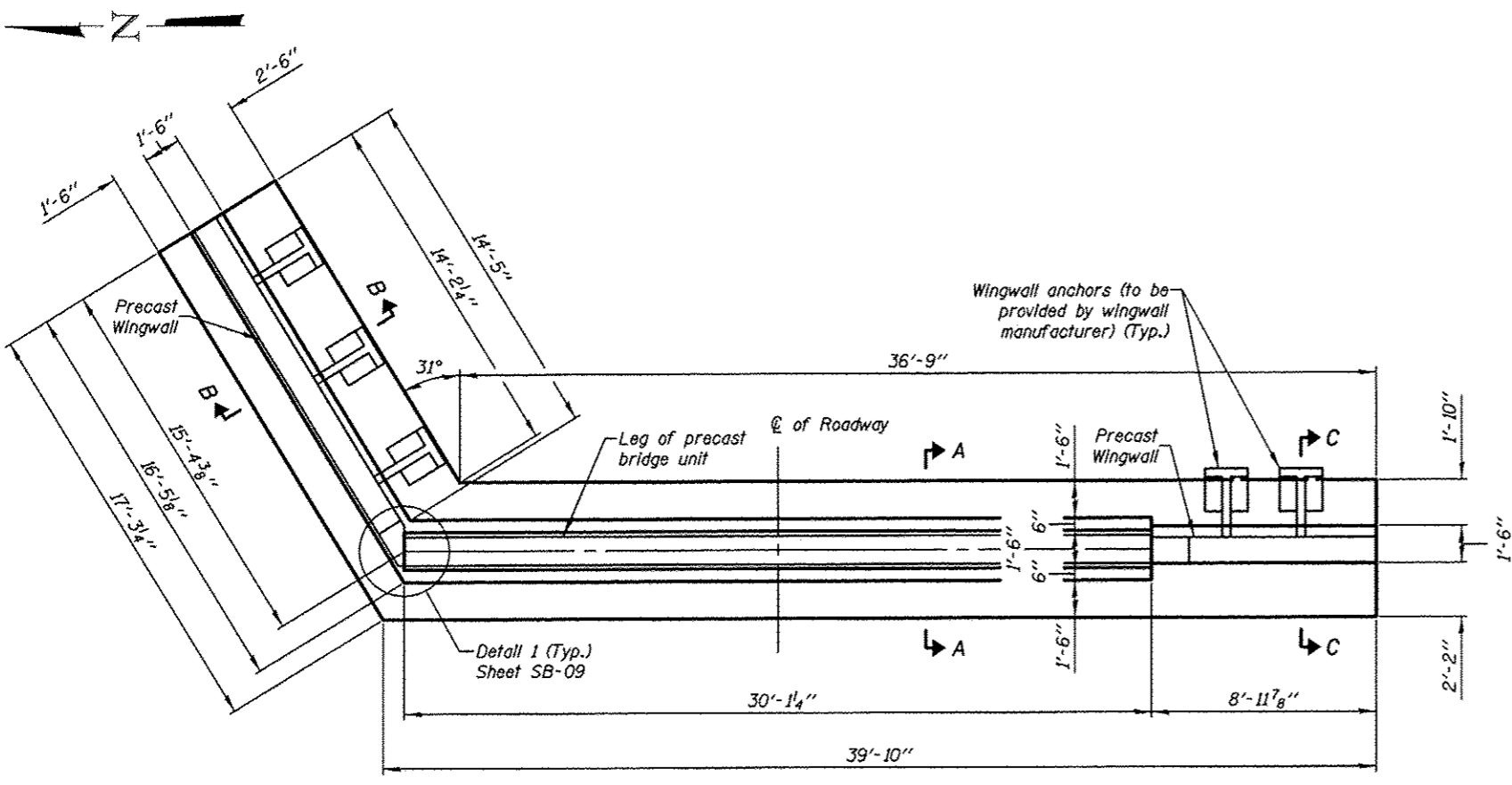
BAR	NO.	SIZE	LENGTH	SHAPE
h8(E)	4	#5	5'-10"	
h9(E)	4	#5	5'-10"	
h10(E)	4	#5	29'-8"	
h11(E)	4	#5	8'-4"	
h12(E)	4	#5	14'-6"	
w10(E)	2	#7	30'-6"	
w11(E)	4	#5	30'-6"	
w12(E)	2	#7	8'-6"	
w13(E)	4	#5	8'-6"	
w14(E)	2	#7	14'-8"	
w15(E)	4	#5	14'-8"	
w16(E)	2	#7	9'-4"	
w17(E)	4	#5	5'-10"	
w18(E)	2	#7	9'-4"	
w19(E)	4	#5	5'-10"	
s10(E)	52	#4	13'-7"	
Reinforcement Bars, Epoxy Coated			Pound	1310
Concrete Structures			Cu. Yd.	25
Structure Excavation			Cu. Yd.	45
Furnishing Steel Piles HP 12x53			Foot	182
Driving Piles			Foot	182
Test Pile Steel HP 12x53			Each	1



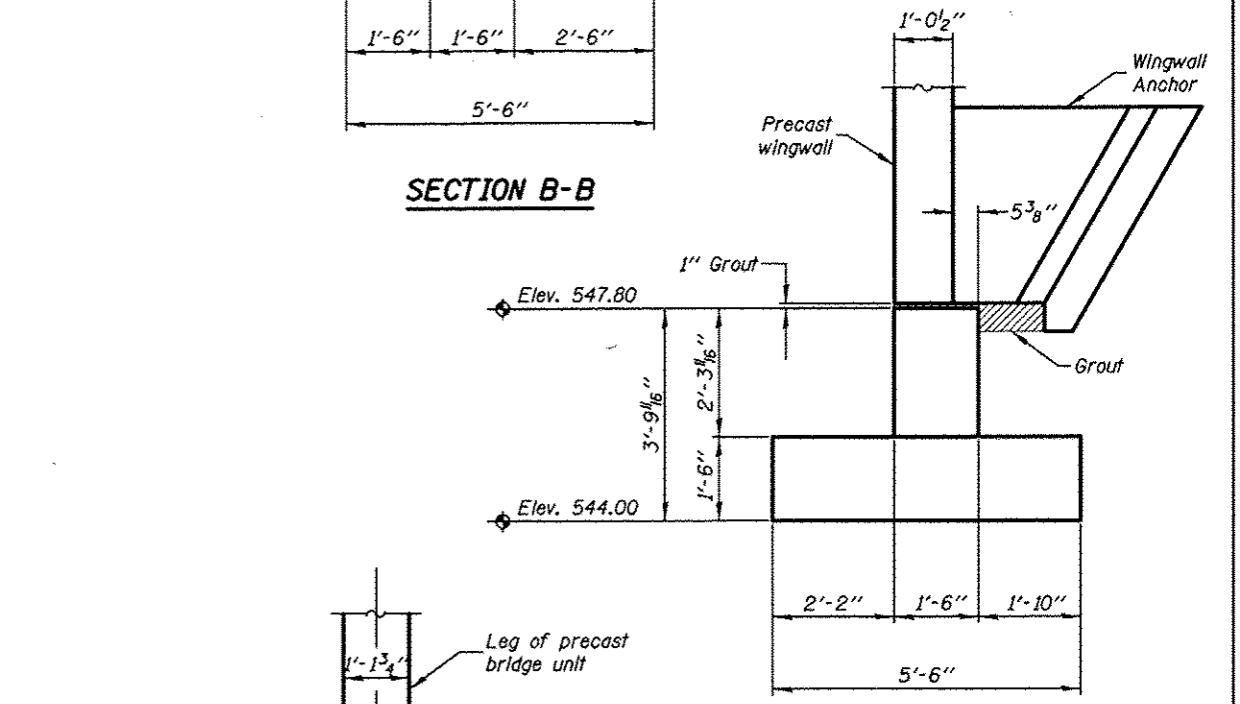
ELEVATION



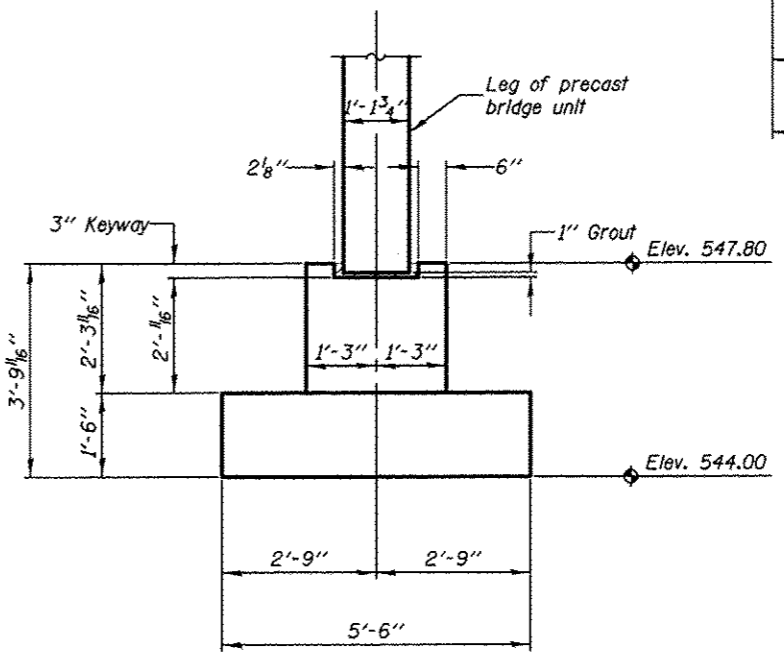
SECTION B-B



PLAN



SECTION C-C



SECTION A-A

KNIGHT
Engineers & Architects

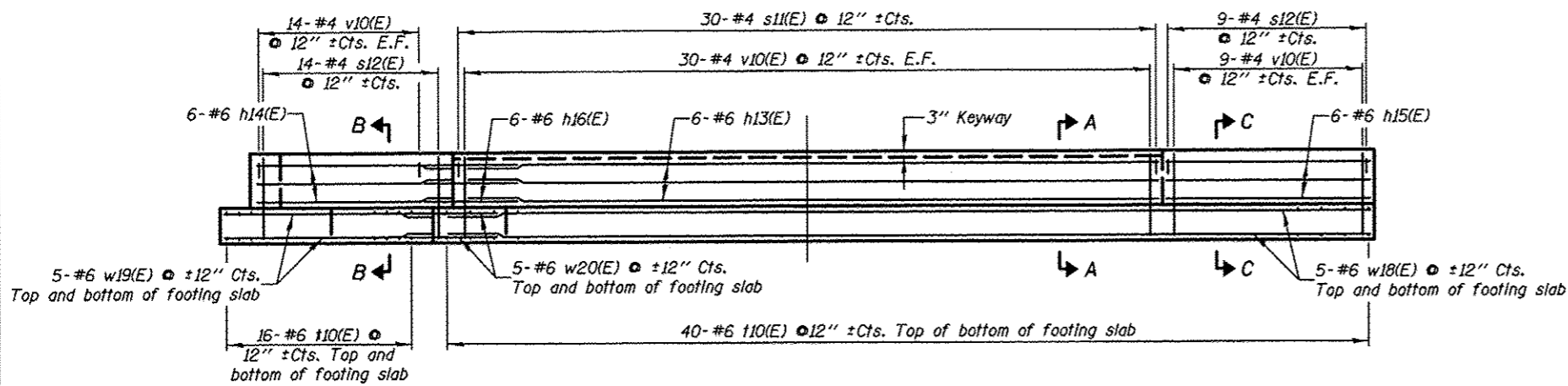
SCALE - NONE
DATE - 10/26/2015

DESIGNED - WPM	REVISED
CHECKED - JSA	REVISED
DRAWN - JMC	REVISED
CHECKED - JSA	REVISED

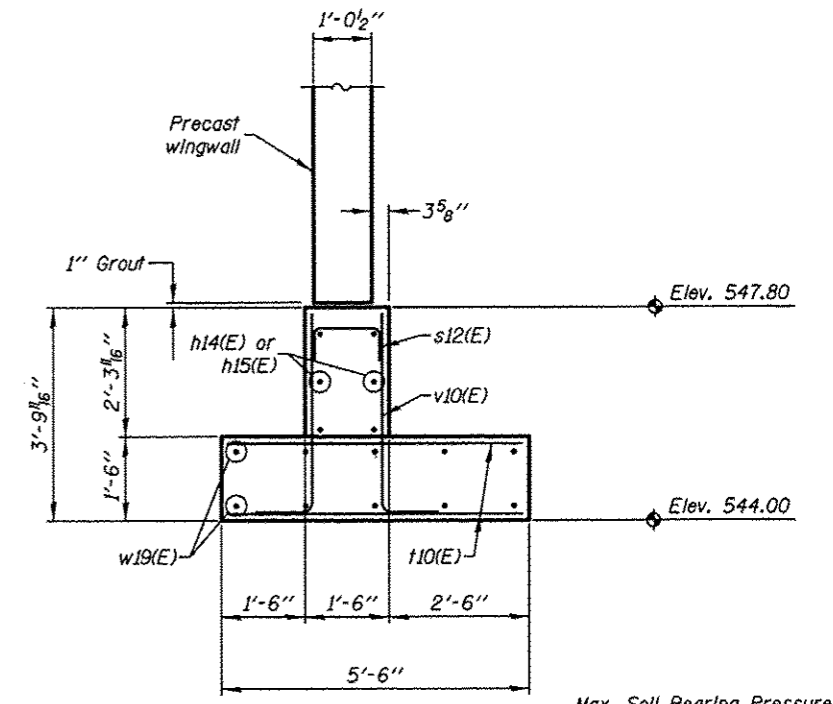
**SPRINGFIELD PARK DISTRICT
WASHINGTON PARK BRIDGES
AND SPILLWAY REPLACEMENT**

**EAST ABUTMENT DETAIL
STRUCTURE NO. 084-6022**
SHEET NO. SB-06 OF 11 SHEETS

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-P4002-00-BR	SANGAMON	55	35
* TR 1028 A & D				
ILLINOIS FED. AID PROJECT				

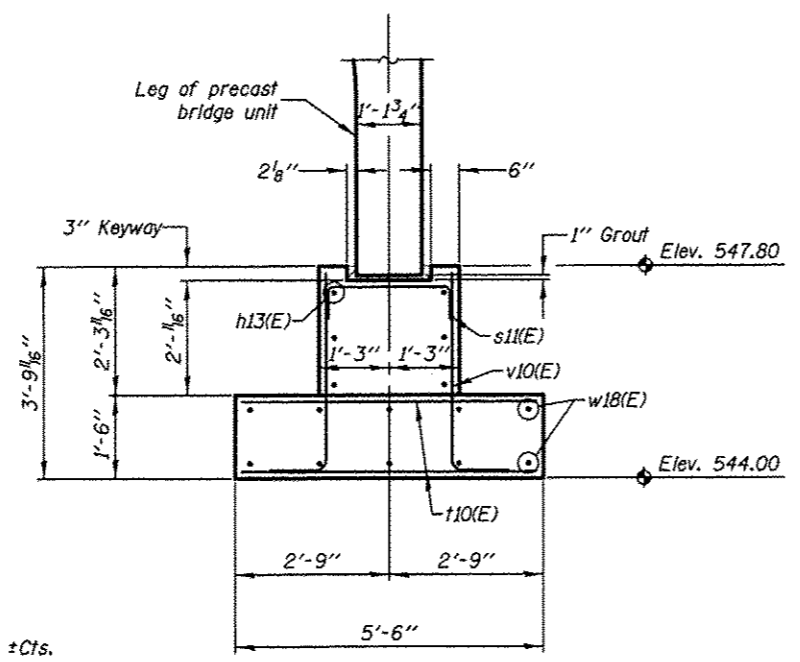


ELEVATION

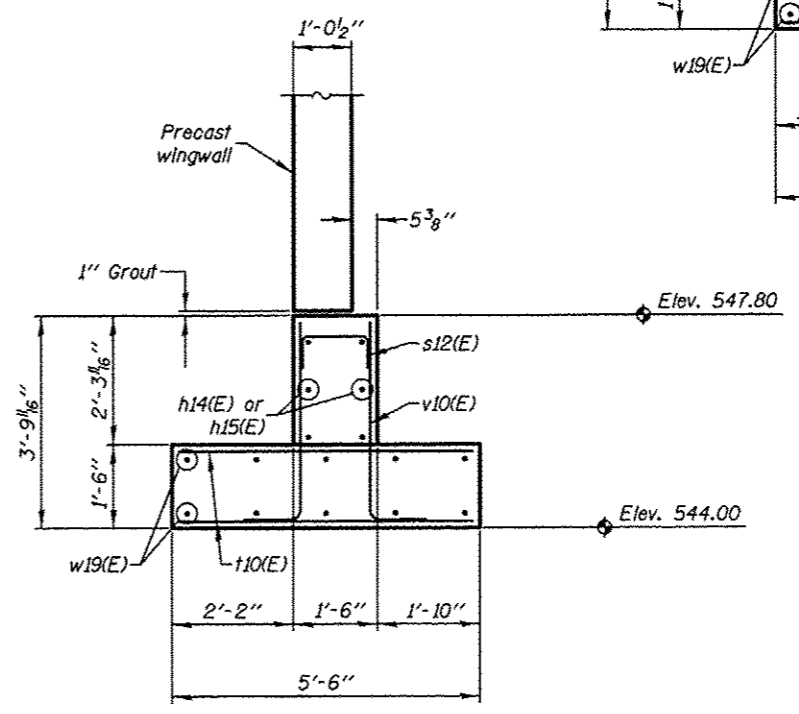


SECTION B-B

Max. Soil Bearing Pressure is 3.0 KSF



SECTION A-A



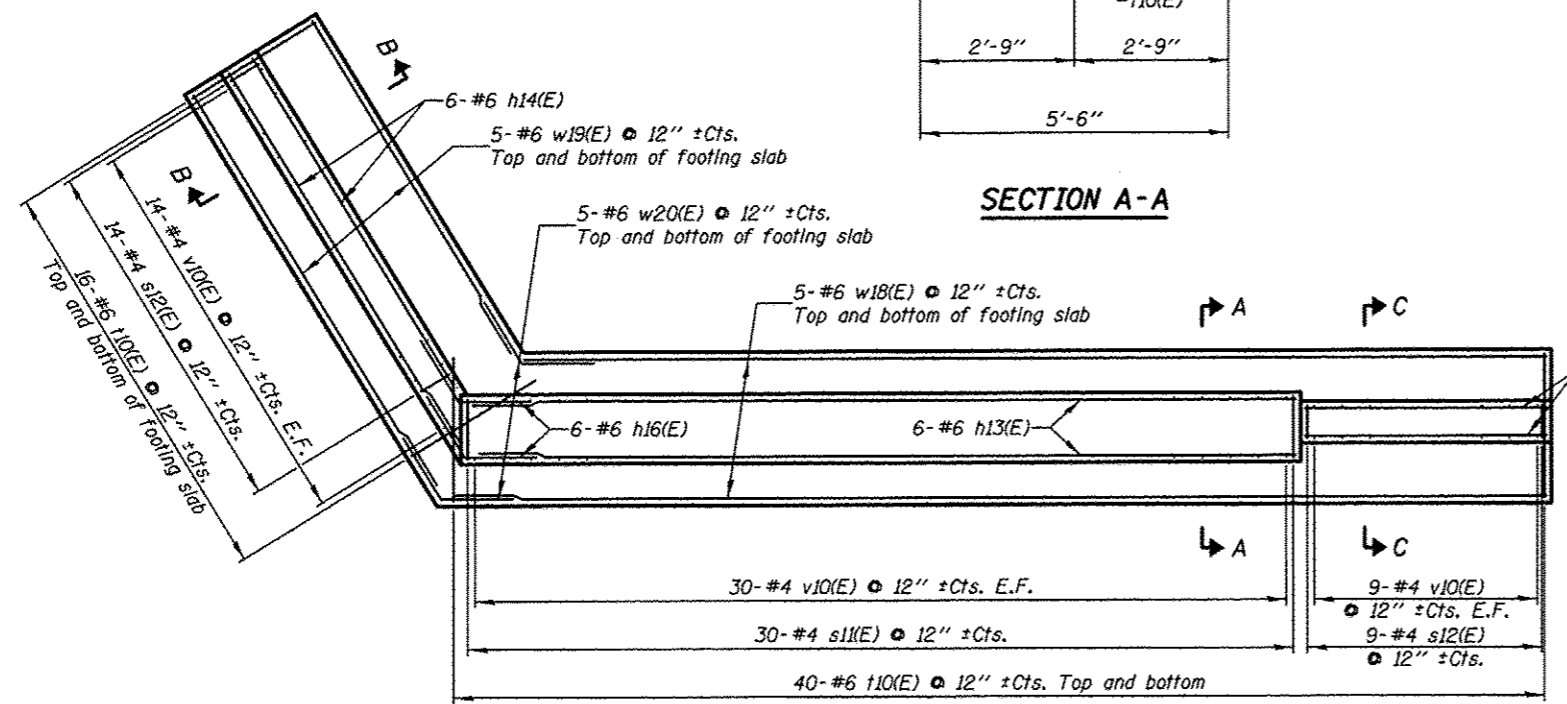
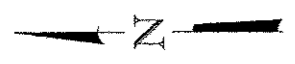
SECTION C-C

LEGEND
E.F. Each Face

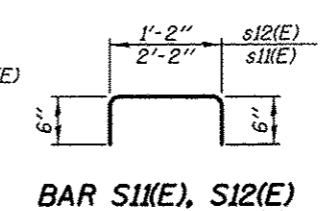
Note
Allowable Soil Bearing Pressure $Q_{allow} = 4.0$ KSF

BILL OF MATERIAL

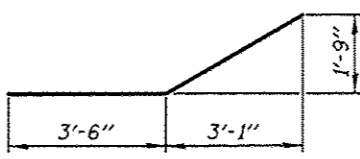
BAR	NO.	SIZE	LENGTH	SHAPE	
h13(E)	6	#6	29'-8"	—	
h14(E)	6	#6	16'-1"	—	
h15(E)	6	#6	8'-8"	—	
h16(E)	6	#6	7'-0"	—	
s11(E)	30	#4	3'-2"	□	
s12(E)	23	#4	2'-2"	□	
h10(E)	112	#6	5'-2"	—	
v10(E)	106	#4	4'-5"	—	
w18(E)	10	#6	39'-8"	—	
w19(E)	10	#6	16'-11"	—	
w20(E)	10	#6	7'-0"	—	
Reinforcement Bars, Epoxy Coated				Pound	2790
Concrete Structures				Cu. Yd.	28
Structure Excavation				Cu. Yd.	61



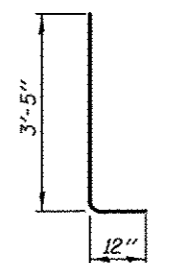
PLAN



BAR S11(E), S12(E)



BAR H16(E), W20(E)



BAR V10(E)

KNIGHT
Engineers & Architects

SCALE NONE
DATE 10/26/2015

DESIGNED - WPM
CHECKED - JSA
DRAWN - JMC
CHECKED - JSA

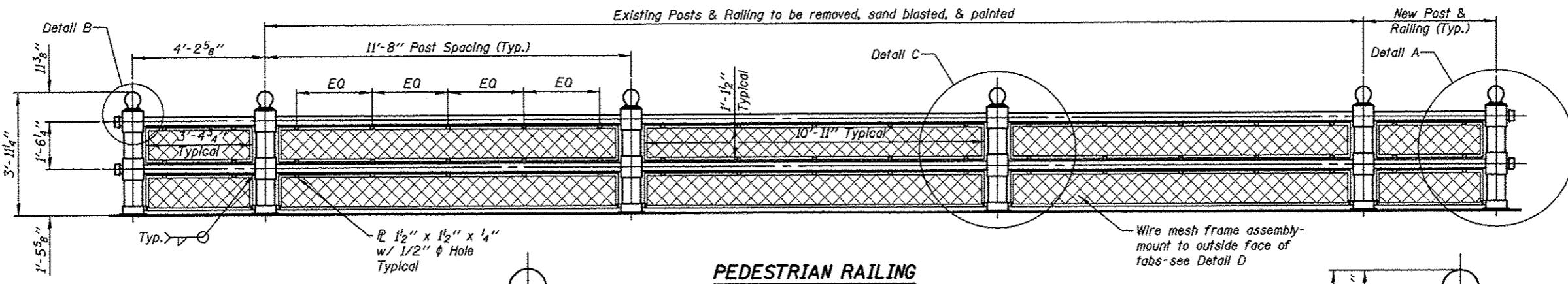
REVISED
REVISED
REVISED
REVISED

**SPRINGFIELD PARK DISTRICT
WASHINGTON PARK BRIDGES
AND SPILLWAY REPLACEMENT**

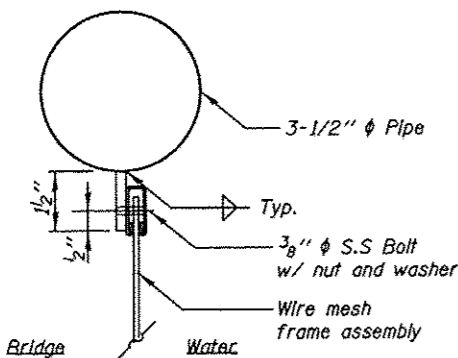
**EAST ABUTMENT REINFORCEMENT DETAIL
STRUCTURE NO. 084-6022**

SHEET NO. SB-07 OF 11 SHEETS

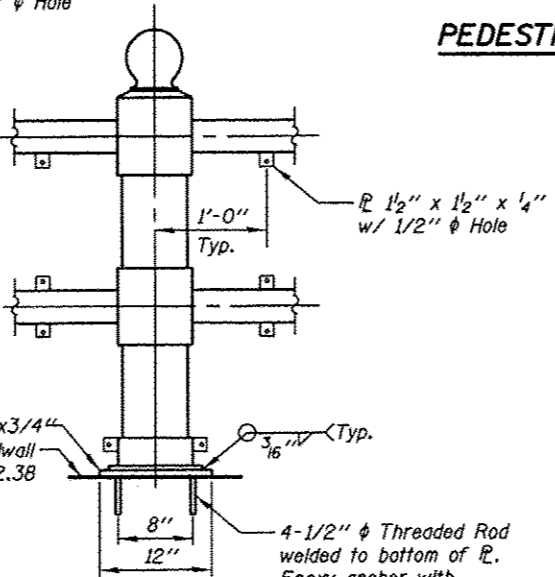
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-P4002-00-BR	SANGAMON	55	36
* TR 1028 A & D				
[ILLINOIS] FED. AID PROJECT				



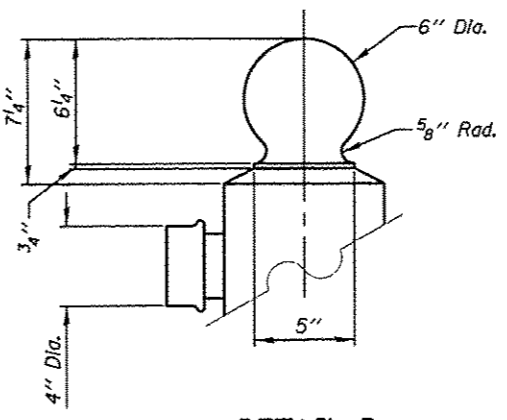
PEDESTRIAN RAILING



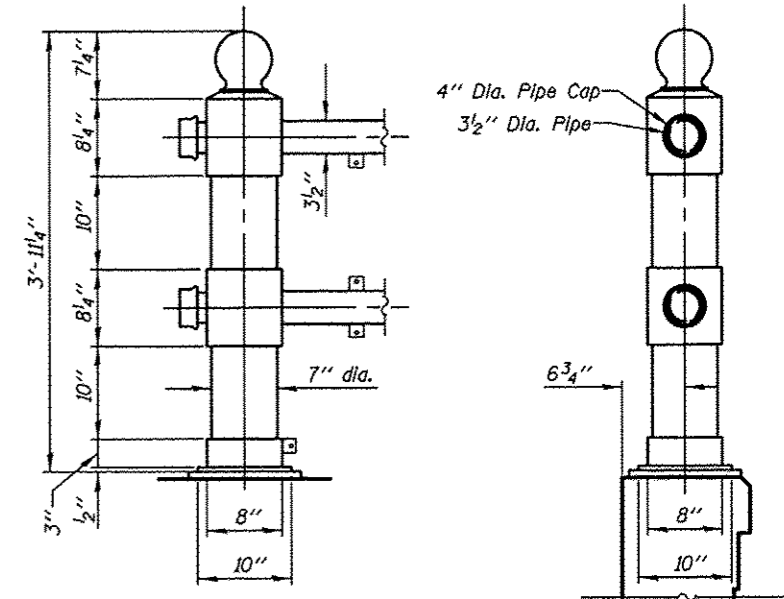
DETAIL D



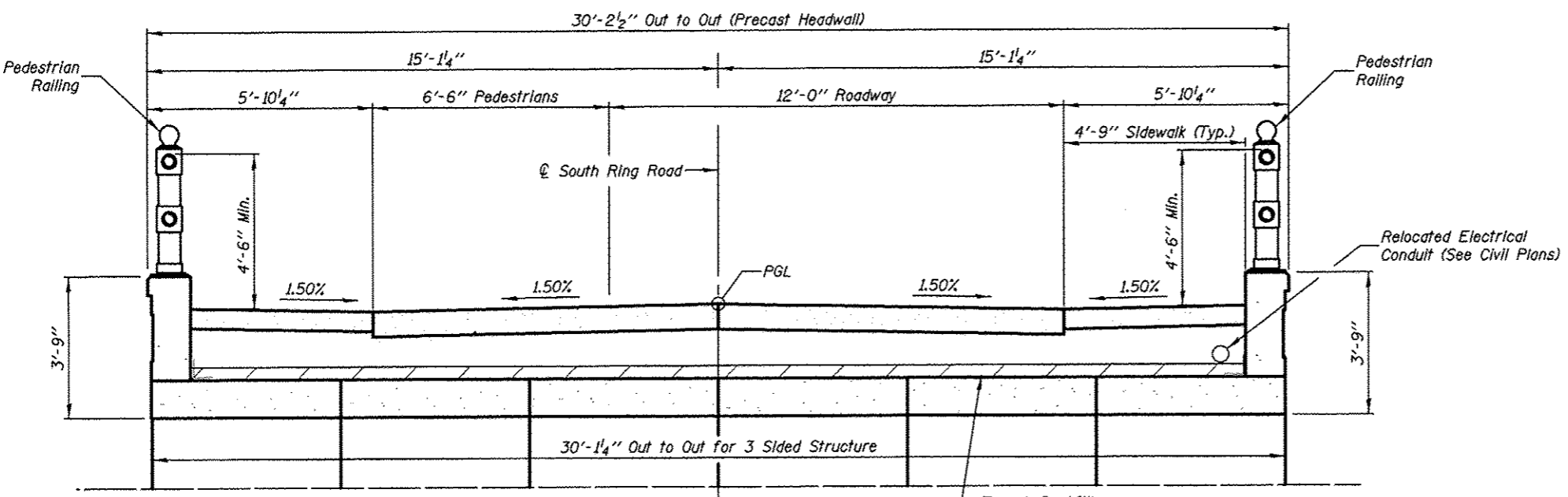
DETAIL C



DETAIL B



DETAIL A



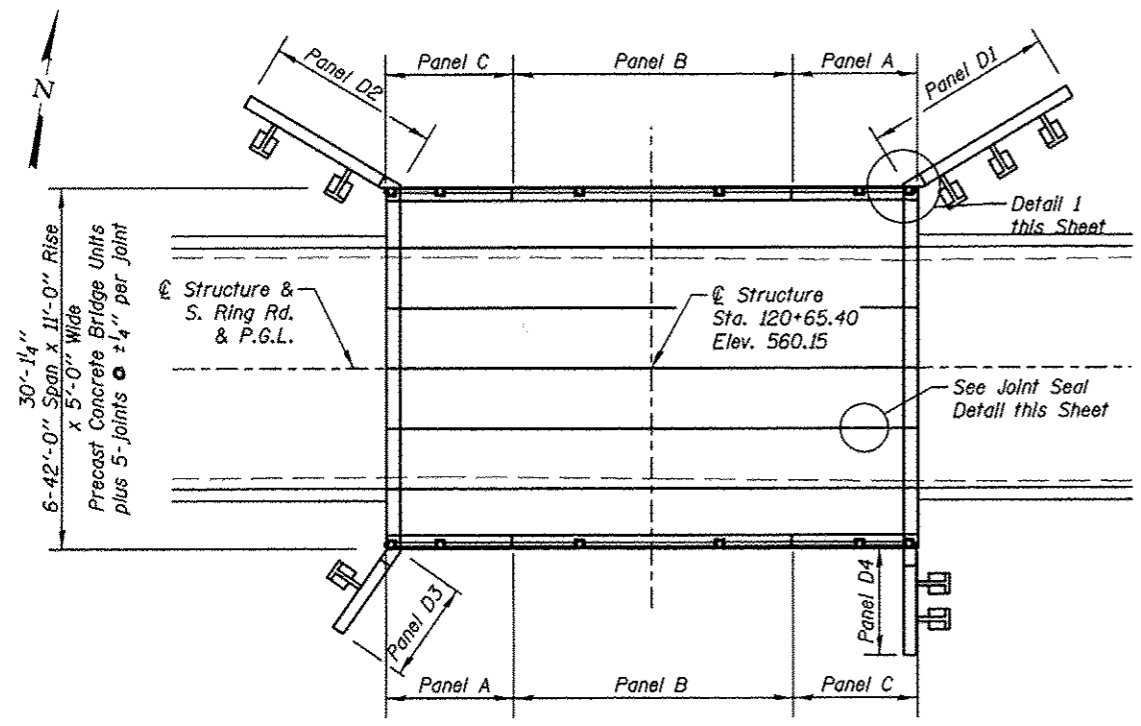
SECTION THRU ROADWAY AT BRIDGE

BILL OF MATERIAL

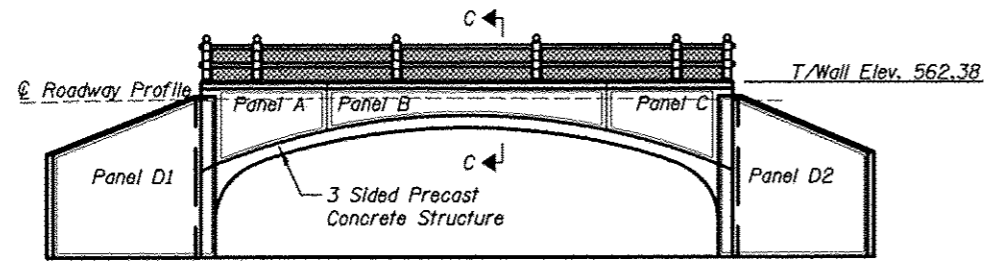
Item	Unit	Quantity
Pipe Handrail, Special	Foot	87

NOTES:

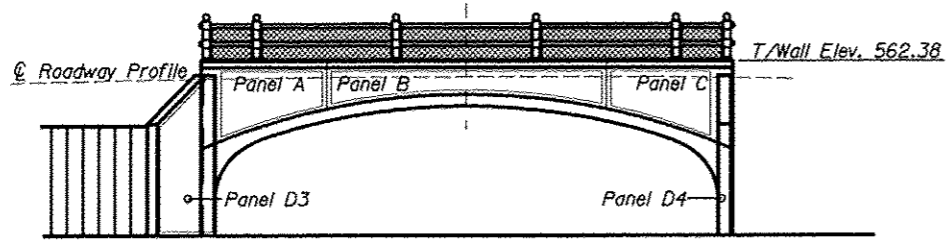
1. Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the Contract Unit Price per foot for Pedestrian Railing.
2. Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.
3. Hollow steel pipes shall conform to the requirements of ASTM A53 and shall be "standard weight."
4. All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36.
5. All posts, railing, splices, anchor devices, and bent plates shall be galvanized after shop fabrication according to AASHTO M 111 and ASTM A 385. All bolts, nuts, washers, and anchor rods shall be galvanized according to AASHTO M 232 except stainless steel bolts as noted.
6. Vent holes for galvanizing shall be placed in the posts and rails at locations that will not allow the accumulation of moisture in the members.
7. If the option of drilling and epoxy grouting the anchor rods is chosen, the Contractor shall use the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures. The capsule or the adhesive cartridge shall be sealed with premeasured amounts of the adhesive chemical.
8. Space reinforcement to miss anchor rods.



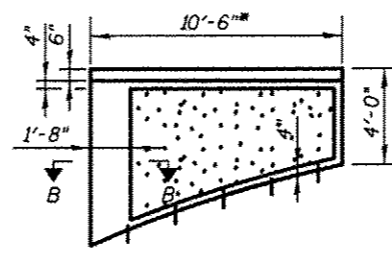
BRIDGE PLAN



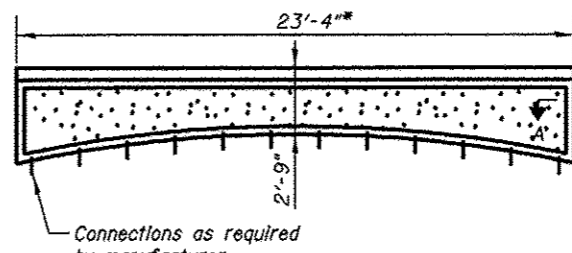
NORTH ELEVATION
Looking South



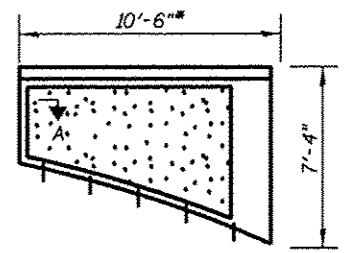
SOUTH ELEVATION
Looking North



PANEL A



PANEL B

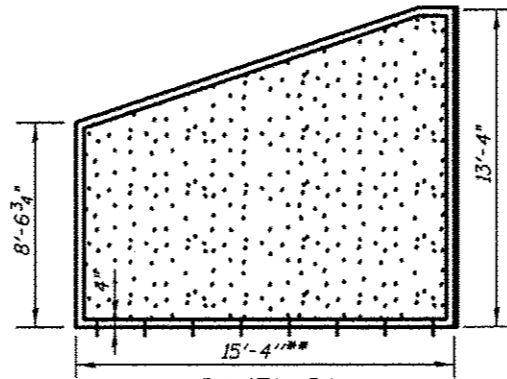


PANEL C

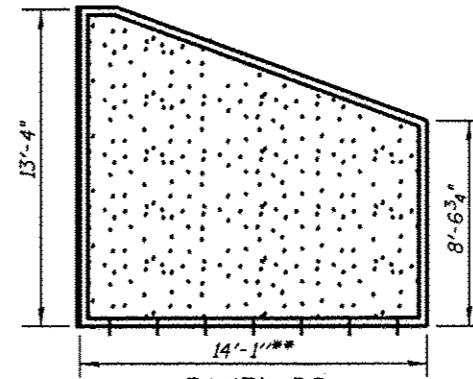
*Dimensions are taken to centerline of joint
**Dimensions are taken along centerline of wingwall

General Notes:

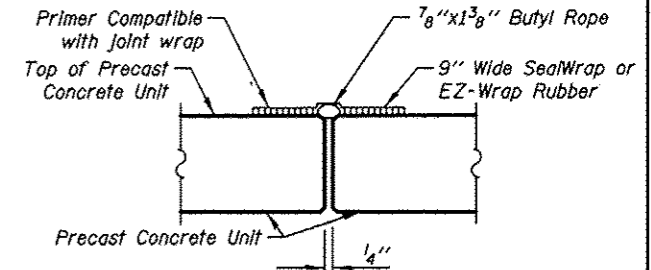
- No connections from panel to panel or panel to structure shall be visible.
- All precast architectural panels to have an edge chamfer of 1/2".



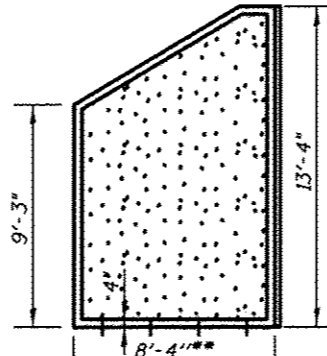
PANEL D1



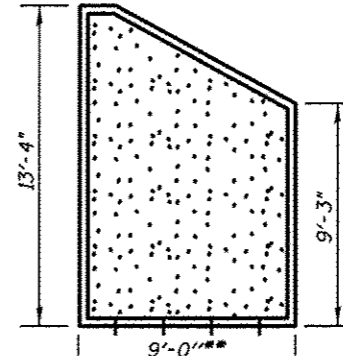
PANEL D2



JOINT SEAL DETAIL



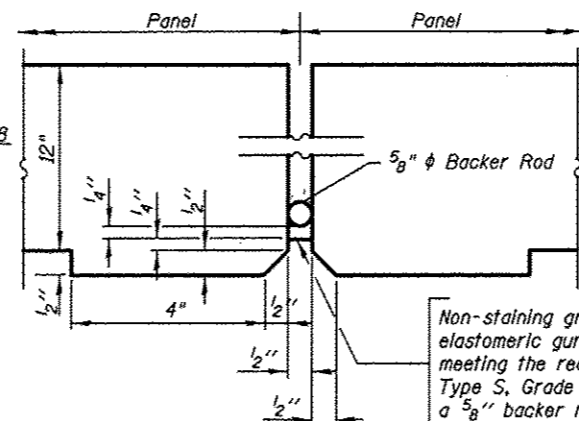
PANEL D3



PANEL D4

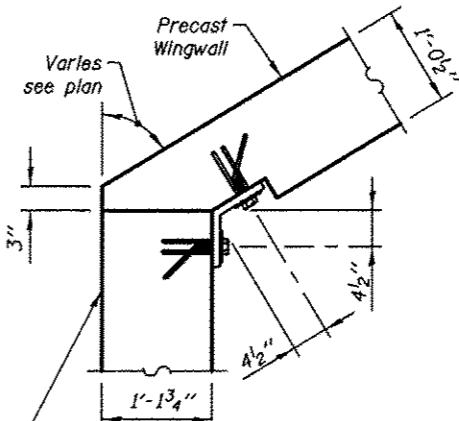
Pedestrian railing system. See sheet SB-08 for more information.

Framed mesh system infill to existing and new pedestrian railing system. See sheet SB-08 for more information.

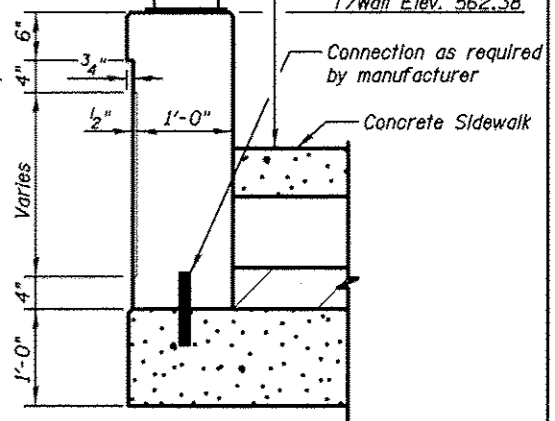


SECTION A-A

Note: Wingwall connectors to be provided by precast manufacturer.
Non-staining gray one component non-sag elastomeric gun grade polyurethane sealant meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25, use T with a 5/8" backer rod.



DETAIL 1



SECTION C-C

KNIGHT
Engineers & Architects

SCALE - NONE
DATE - 10/26/2015

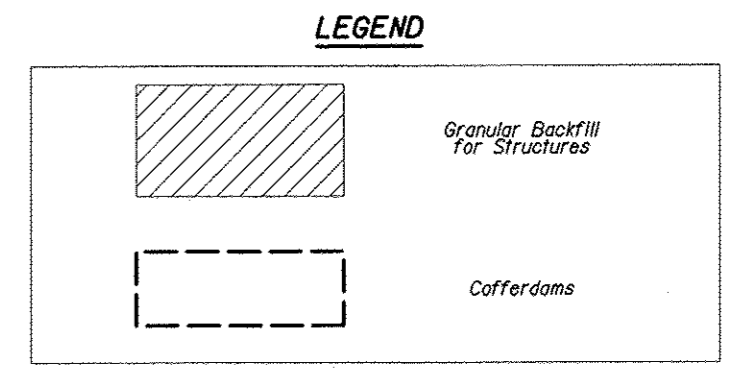
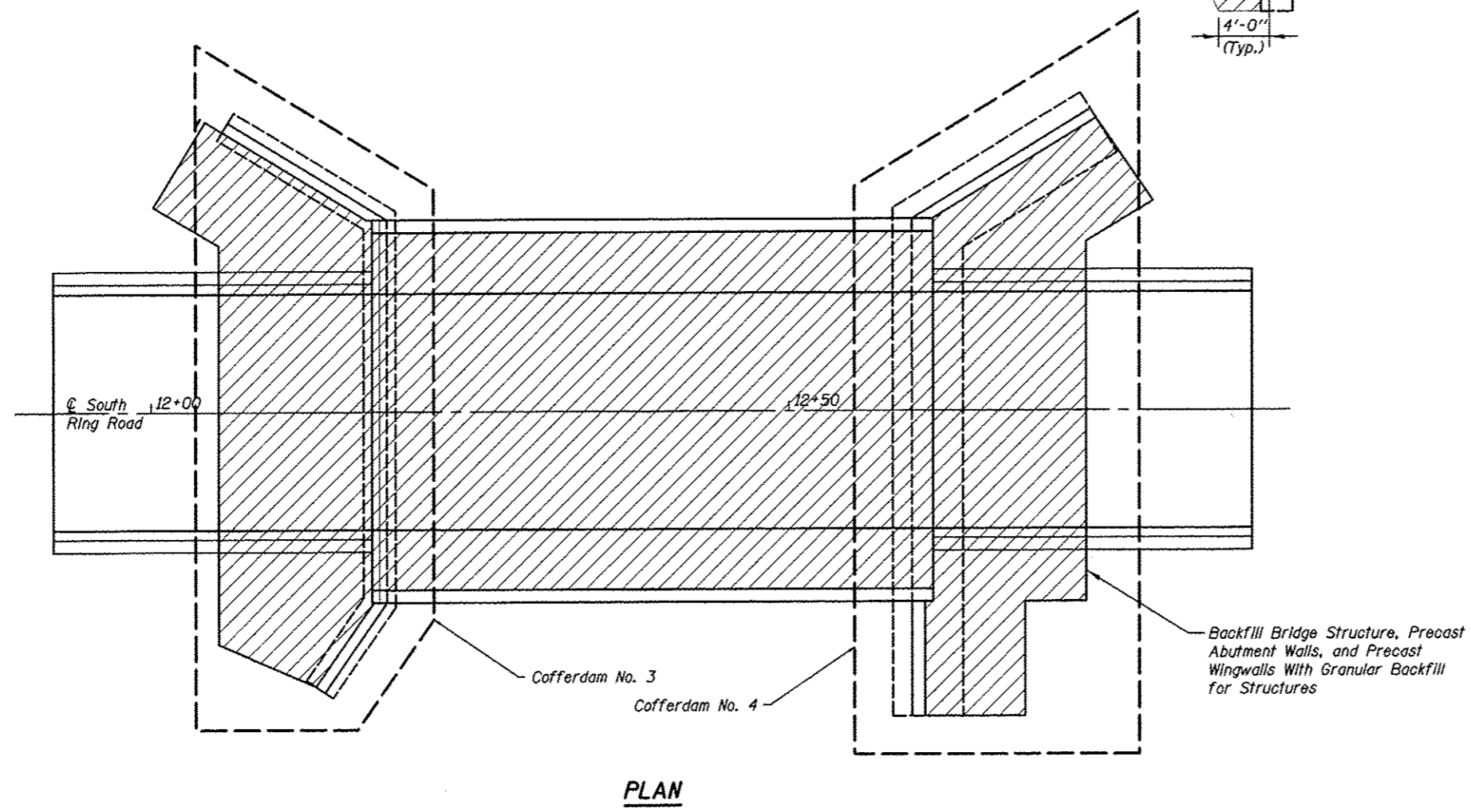
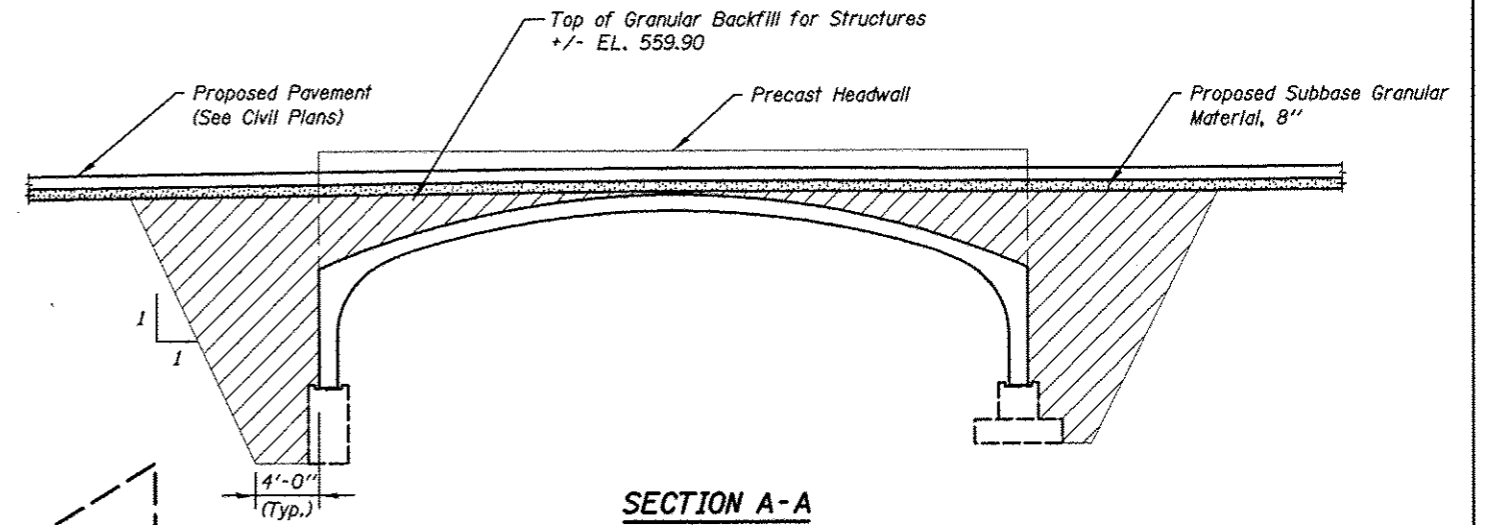
DESIGNED - WPM
CHECKED - JSA
DRAWN - JMC
CHECKED - JSA

REVISED
REVISED
REVISED
REVISED

**SPRINGFIELD PARK DISTRICT
WASHINGTON PARK BRIDGES
AND SPILLWAY REPLACEMENT**

**SOUTH BRIDGE PRECAST DETAILS
STRUCTURE NO. 084-6022**
SHEET NO. SB-09 OF 11 SHEETS

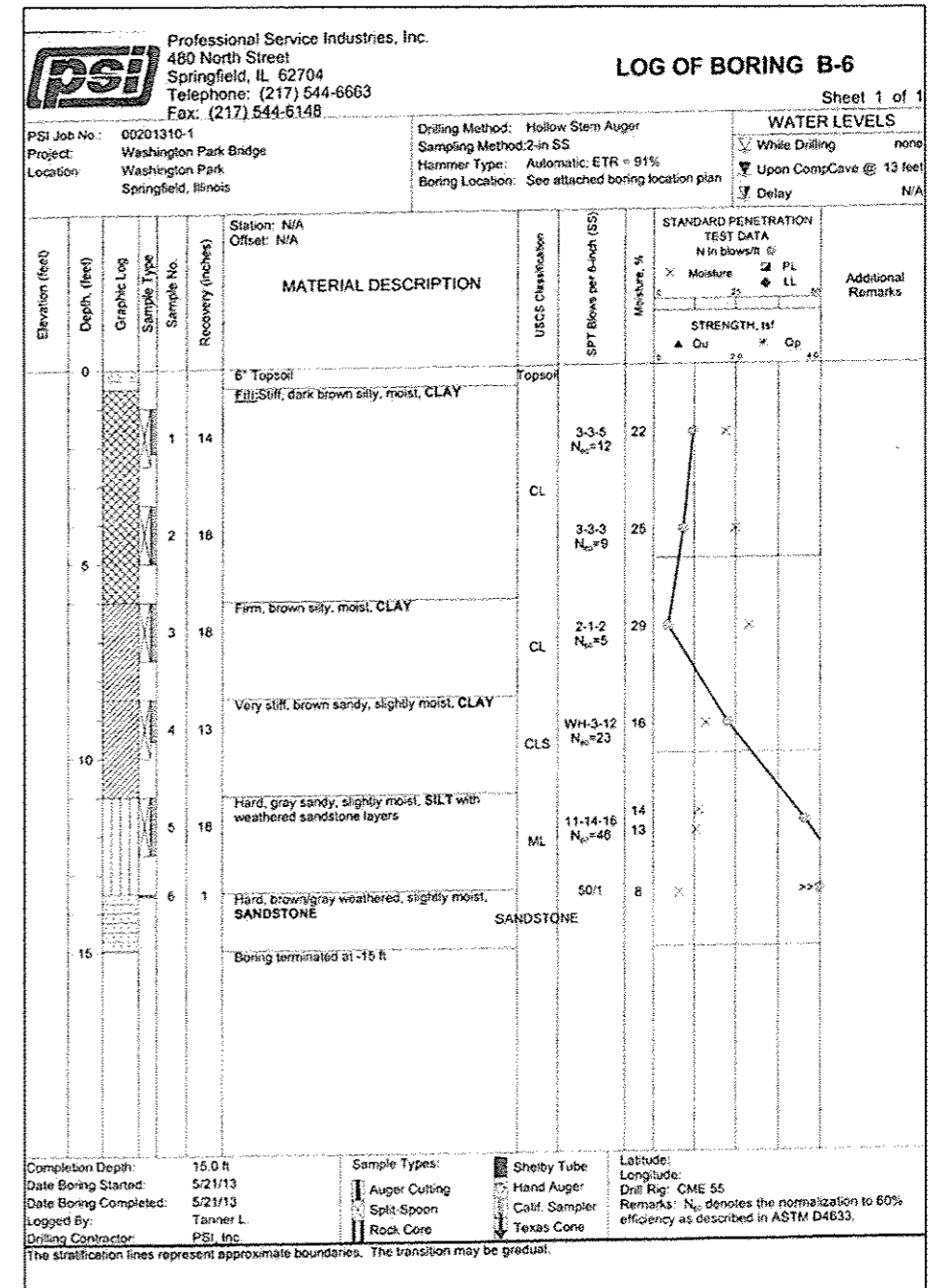
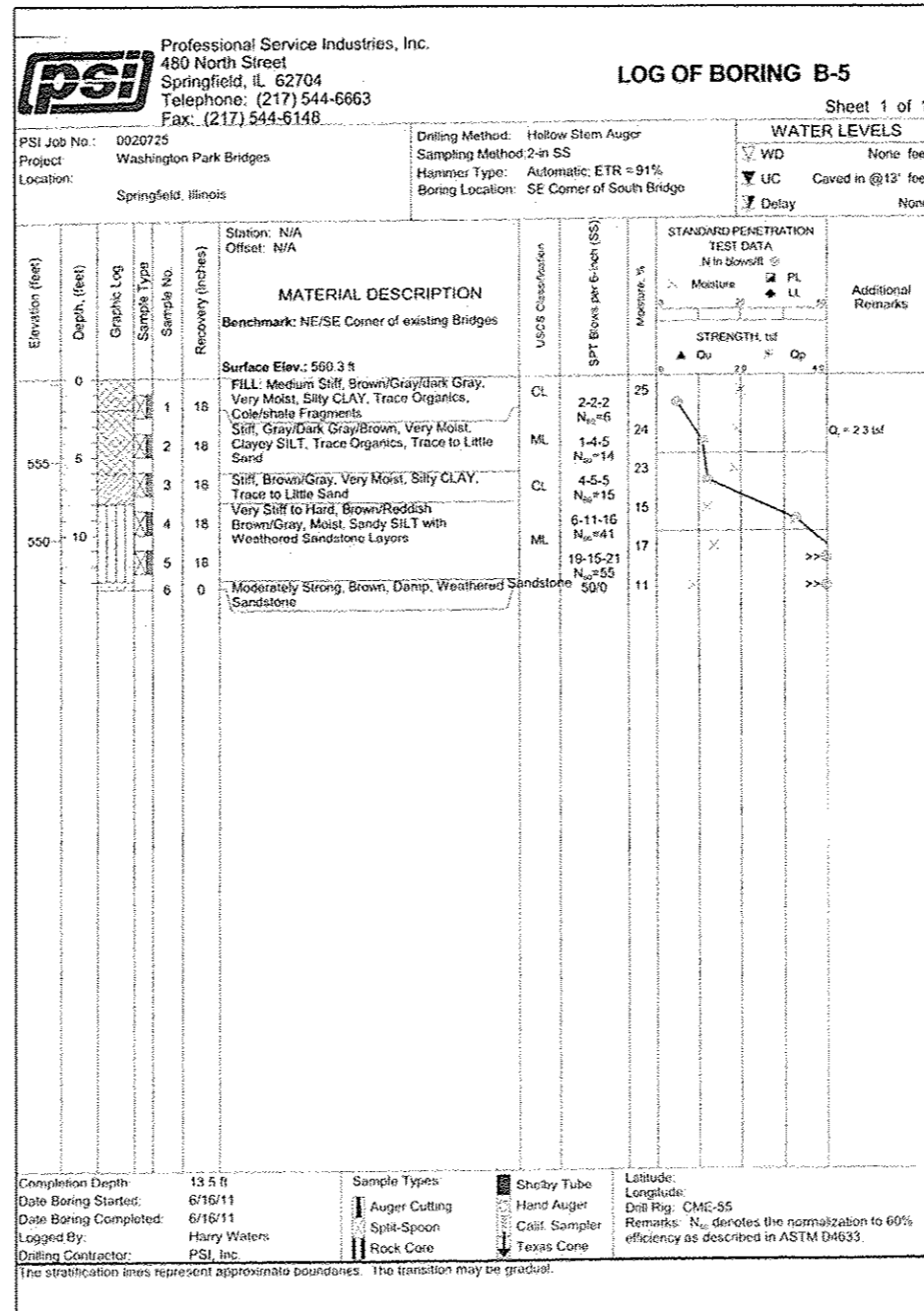
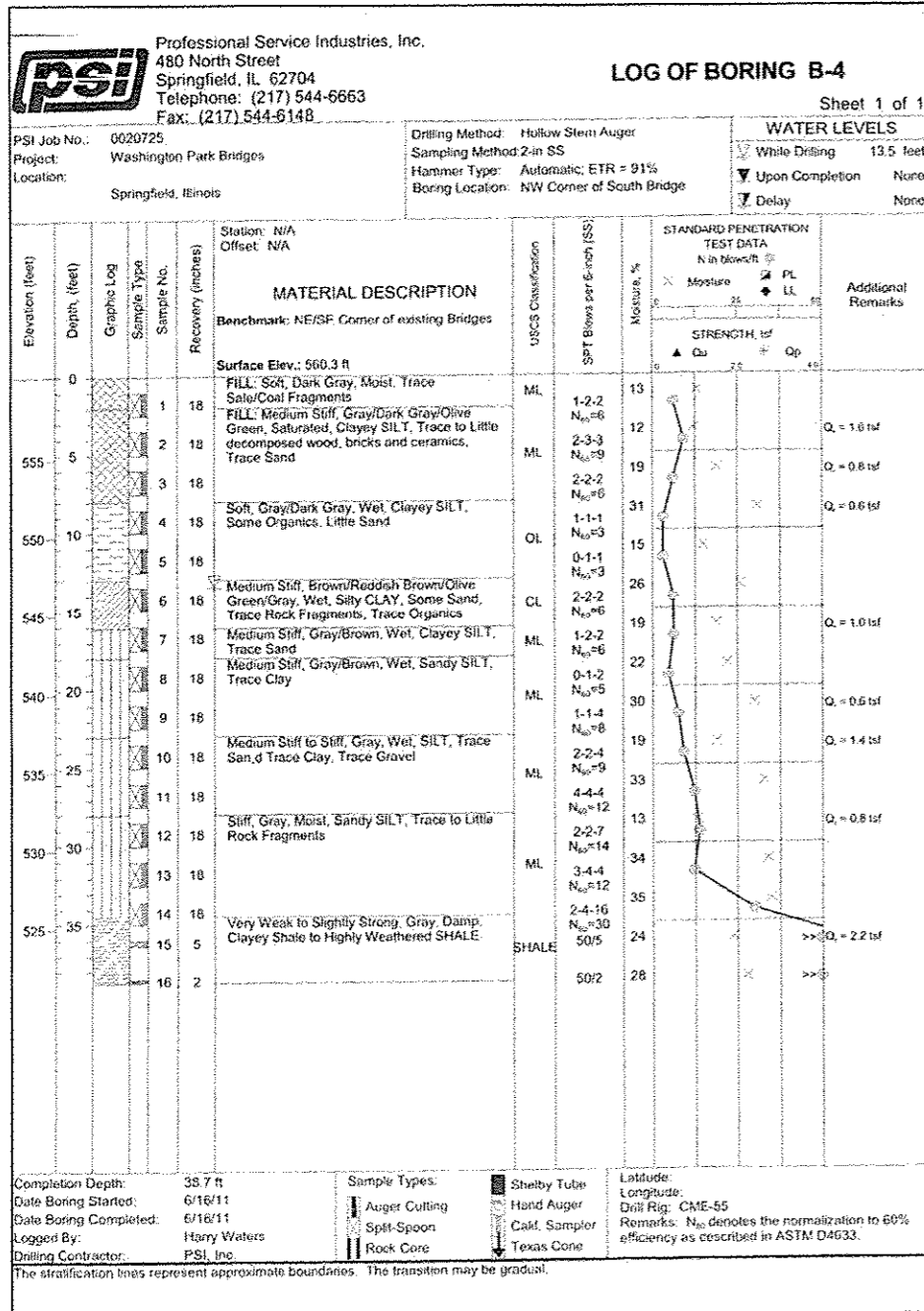
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-P4002-00-BR	SANGAMON	55	38
* TR 1028 A & O				
ILLINOIS FED. AID PROJECT				



Backfill Bridge Structure, Precast Abutment Walls, and Precast Wingwalls With Granular Backfill for Structures

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Cofferdam Excavation	Cu. Yd.	512
Cofferdam (Type 1) (Location - 3)	Each	1
Cofferdam (Type 1) (Location - 4)	Each	1



STORM WATER POLLUTION PREVENTION PLAN

Route: TR 1028 A & D Marked: WASHINGTON PARK NORTH & SOUTH RING ROAD
 Section: 10-P4002-00-BR Project No.:
 County: SANGAMON Contract No.:

This plan has been prepared to comply with the provision of the NPDES Permit Number ILR10 _____ issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

(Signature)

(Date)

(Title)

Note: The above boxed in area will be filled out by Springfield Park District after the award of the contract to obtain the required NPDES permit.

The following plan was established and included in these plans to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES. The Contractor shall abide to all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items, as shown in this plan and referenced by the legend, shall be placed by the Contractor at the beginning of construction. Other items shall be placed by the Contractor as directed by the Engineer on a case by case situation resulting from the Contractor's sequence of activities, time of the year, and expected weather conditions.

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore, reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary erosion control systems and temporary seeding. The Engineer will determine if temporary erosion control systems shown in the plan can be deleted, the size of the proposed ditch checks, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer and as shown in special details and in IDOT Standard 280001 of the plans.

The provisions for Temporary Erosion Control Seeding additionally supplements this plan.

All disturbed areas having high potential for erosion, as determined by the Engineer, shall be temporarily seeded or permanently seeded by October 1st of each construction year and shall not be reopened until after the winter shutdown period.

SITE DESCRIPTION

Description of Construction Activity:

1. The proposed project consists of removing the existing two bridges and spillway dam and replacing with two three-sided structures and new spillway dam at the west lagoon (Jacksonville Branch) in Washington Park, Springfield, IL.
2. Construction consists of channel excavation, earth excavation, structure excavation, aggregate base, HMA pavement, three-sided, precast concrete structures, sheet piling, granular backfill for structures, stone riprap, and other miscellaneous work to complete improvements to the proposed roadways.

Description of Intended Sequence of Major Construction Activities Which Will Disturb Earth and Lead to Possible Erosion for Major Portions of the Construction Site:

1. Tree removal will be completed to clear approximately 0.0 acres of wooded land.
2. Excavation will be completed along the entire length to grade out for proposed roadway, gutter, and structure removal. Channel excavation between both proposed structures will be completed.
3. Embankment will be completed in fill areas to raise the existing ground elevation to meet the proposed roadway foreslope and backslope.
4. Drainage structures will be installed before and/or during the construction of the excavation and embankment to allow proper drainage across the proposed two lane facility.
5. Two three-sided precast structures will be constructed and backfilled with granular backfill for structures. A sheet piling and concrete spillway dam will be constructed and a sedimentation basin will be used to collect and pump channel flows around the construction area.
6. Placement, maintenance, removal and proper clean-up of temporary erosion control, such as erosion control fence, hay or straw bale ditch checks, riprap ditch checks, sediment basins, temporary seeding, etc.
7. Final grading, paving and other miscellaneous items.

Area of Construction Site:

The total drainage area entering and including the construction site is estimated to be approx. 8.6 sq miles in which 2.5 acres will be disturbed by excavation, grading or other activities.

Other Reports, Studies and Plans which Aid in the Development of this Storm Water Pollution Prevention Plan as Referenced Documents:

1. Estimated run-off coefficients are contained in the project drainage study which were utilized for proposed placement of the temporary erosion control systems.
2. Information on the soils within the site was obtained from field reviews which were utilized for proposed placement of the temporary erosion control systems.
3. Site maps including drainage patterns and approximate slopes were contained in the project design report, USGS drainage maps, project drainage study, and project plan documents were all utilized for proposed placement of the temporary erosion control systems.

Drainage Tributaries Receiving Water from this Construction Site:

Jacksonville Branch

USER NAME = jleef	DESIGNED -	REVISED -	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	STORM WATER POLLUTION PREVENTION PLAN			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - BDM	REVISED -		#	10-P4002-00-BR	SANGAMON	55	41			
PLOT SCALE = 1:48	CHECKED - JSA	REVISED -		* TR 1028 A & D			ILLINOIS FED. AID PROJECT				
PLOT DATE = 2/8/2016	DATE = 7/15/09	REVISED -		SCALE: NONE	SHEET NO.	OF SHEETS	STA.	TO STA.			

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

Description of Stabilization Practices at the Beginning of Construction:

1. The area between the existing and proposed right-of-way/temporary easement boundaries and limits of the project will be improved and managed for the purposes of controlling erosion within the area, reducing water flow by temporary diversion and minimizing siltation into the construction zone, and establishing vegetative cover which will become permanent vegetation and act as an erosion barrier. Work at the beginning of construction will consist of the following:
 - (a) Areas of existing vegetation (woods and grasslands) outside the proposed construction slope limits shall be identified for preserving and shall be protected from mowing, brush cutting, tree removal and other activities which would be detrimental to their maintenance and development.
 - (b) Dead, diseased, or unsuitable vegetation within the site shall be removed as directed by the Engineer, along with required tree removal.
 - (c) As soon as reasonable access is available (such as trees cleared) to all locations where water drains away from the project, sediment basins, riprap ditch checks, temporary ditch checks, and/or erosion control fence shall be installed as called out in this plan and directed by the Engineer.
 - (d) Bare and sparsely vegetated ground in highly erodible areas as determined by the Engineer shall be temporarily seeded at the beginning of construction where no construction activities are immediately expected as stated in the special provision "Temporary Erosion Control Seeding".
 - (e) Immediately after tree removal is completed in certain areas which are highly erodible areas as determined by the Engineer, the areas shall be temporarily seeded where no construction activities are immediately expected as stated in the special provision "Temporary Erosion Control Seeding".
 - (f) At locations where a significant amount of water drains into the construction zone from outside areas (adjacent landowners), erosion control fence, temporary ditch checks, or riprap ditch checks will be utilized to locally divert water, reduce flow rates, and collect outside siltation inside the right-of-way line. Erosion control items will not be allowed to be installed to cause flooding to upstream private property which could cause crop damages or other undesirable conditions.
2. Establishment of these temporary erosion control measures will have additional benefits to the project. Desirable grass seed will become established in these areas and will spread seeds onto the construction site until permanent seeding/mowing and overseeding can be complete.
3. A third benefit of these filter areas is that they will begin to provide a screen and buffer. They will help protect the construction site from winds and excess sun and mitigate construction noise and dust.

Description of Stabilization Practices During Construction:

1. During roadway construction, areas outside the construction slope limits as outlined previous herein shall be protected from damaging effects of construction. The Contractor shall not use this area for staging (except as designated on the plans or directed by the Engineer), parking of vehicles or construction equipment, storage of materials, or other construction related activities.
 - (a) Within the construction zone, critical areas which have high flows of water as determined by the Engineer shall remain undisturbed until full scale construction is underway to prevent unnecessary soil erosion.
 - (b) Top soil and earth stockpiles shall be temporarily seeded if they are to remain unused for more than fourteen days.
 - (c) As the Contractor constructs a portion of roadway in a fill section, he/she shall follow the following steps as directed by the Engineer:
 - i. Place temporary erosion control systems at locations where water leaves and enters the construction zone
 - ii. Temporary seed highly erodible areas outside the construction slope limits
 - iii. Construct roadside ditches and provide temporary erosion control systems
 - iv. Temporary divert water around proposed culvert locations
 - v. Build necessary embankment at culvert locations and then excavate and place culvert
 - vi. Continue building up the embankment to the proposed grade while at the same time place permanent erosion control such as riprap ditch lining and conduct final shaping to the slopes
 - (d) The Contractor shall immediately follow major earth moving operations with final grading equipment. After the major earth spread operation has moved to a new location, final grading shall be completed within fourteen days. If grading is not completed within fourteen days, all major earth moving operations will be stopped, as directed by the Engineer, until disturbed areas are final graded and seeded.
 - (e) Excavated areas and embankments shall be permanently seeded when final graded. If not, they shall be temporarily seeded as stated in the special provision "Temporary Erosion Control Seeding".

- (f) Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or pollution run-off in compliance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.
- (g) The Resident Engineer shall inspect the project daily during activities and weekly or after large rains during the winter shutdown period. The project shall additionally be inspected by the Construction Field Engineer on a bi-weekly basis to determine that erosion control efforts are in place and effective and if other control work is necessary.
- (h) Sediment collected during construction by the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer. The cost of this maintenance will be paid for in accordance with Article 109.04 of the Standard Specifications.
- (i) The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The costs of this removal shall be included in the unit bid price for the temporary erosion control system. No additional compensation will be allowed.

Description of Structural Practices After Final Grading:

1. Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas seeded and established with a proper stand.
2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up, and disturbed turf reseeded. Temporary riprap ditch checks will be allowed to remain in place where approved by the Engineer.

Maintenance after Construction:

1. Construction is complete after acceptance is received at the final inspection.
2. Areas will be inspected on a regular basis by the Engineer.
3. Maintenance crews will perform regular mowings to aid in keeping weeds down and establishing a good roadside seed stand.
4. Maintenance crews will also aid in any ditch lining maintenance or in any drainage problems.
5. All maintenance will be conducted at times when weather conditions will not cause site damage.

DOCUMENTATION

1. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with Section 4.b. shall be made and retained as part of the plan for at least three years after the date of inspection. The report shall be signed in accordance with part VI.G of the general permit.
2. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incident of Noncompliance (ION)" report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI.G. of the general permit. The report of noncompliance shall be mailed to the following address:

Illinois Environmental Protection Agency
 Division of Water Pollution Control
 1021 North Grand Ave. East
 Springfield, IL 62702
 Attn: Compliance Assurance Section

USER NAME = jloaf	DESIGNED -	REVISED -	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	STORM WATER POLLUTION PREVENTION PLAN				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - BDM	REVISED -		SCALE: NONE				#	10-P4002-00-BR	SANGAMON	55	42
PLOT SCALE = 1/4" = 1'-0"	CHECKED - JSA	REVISED -		SHEET NO. OF SHEETS STA. TO STA.				# TR 102B A & D				
PLOT DATE = 2/8/2015	DATE - 7/15/09	REVISED -		ILLINOIS FED. AID PROJECT								

CONTRACTOR CERTIFICATION STATEMENT

This certification statement is part of the Storm Water Pollution Plan for the project described below in accordance with NPDES Permit No. ILR10 _____, issued by the Illinois Environmental Protection Agency on _____.

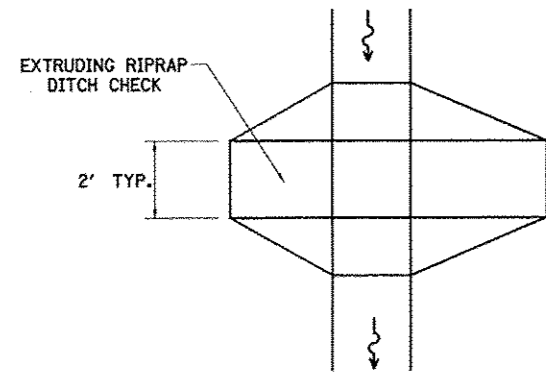
Route: _____ Marked: _____
 Section: _____ Project No.: _____
 County: _____ Contract No.: _____

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

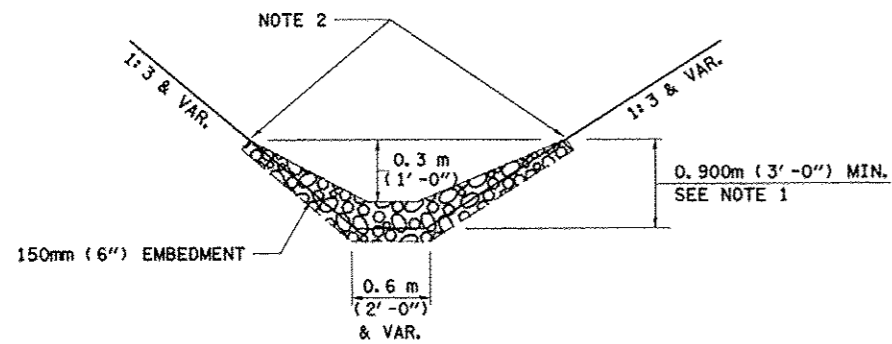
Signature _____ Date _____
 Title _____
 Name of Firm _____
 Street Address _____
 City, State, Zip _____
 Phone Number _____

Note: The above boxed in area shall be filled out by the Contractor after the award of the contract to obtain the required NPDES Permit from IEPA. This is a requirement for this contract.

USER NAME = jleaf	DESIGNED -	REVISED -	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	STORM WATER POLLUTION PREVENTION PLAN				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = 1/4" = 1'	DRAWN - BDM	REVISED -		SCALE: NONE	SHEET NO.	OF	SHEETS	STA.	TO STA.	*	10-P4002-00-BR	SANGAMON	55	43
PLOT DATE = 2/8/2016	CHECKED - JSA	REVISED -		* TR 1028 A & D										
DATE = 7/15/09	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT										

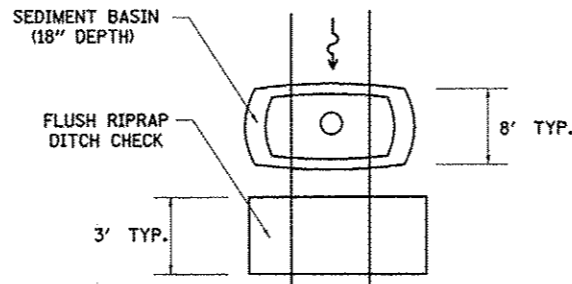


PLAN

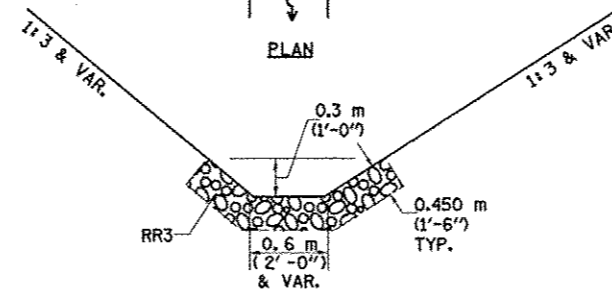


ELEVATION

OPTION 1
(EXTRUDING DITCH CHECK)
RECOMMENDED FOR AREAS
W/ RIPRAP DITCH LINING



PLAN



ELEVATION

OPTION 2
(FLUSH DITCH CHECK)
RECOMMENDED FOR AREAS
W/O RIPRAP DITCH LINING

STONE DUMPED RIPRAP DITCH CHECK
(TYPICAL & OPTIONS 1 & 2
AS DIRECTED BY THE ENGINEER)

NOTE 1: RIPRAP SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 0.3m (1') OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE RIPRAP.

NOTE 2: ENDS SHALL BE TIED INTO SLOPES.

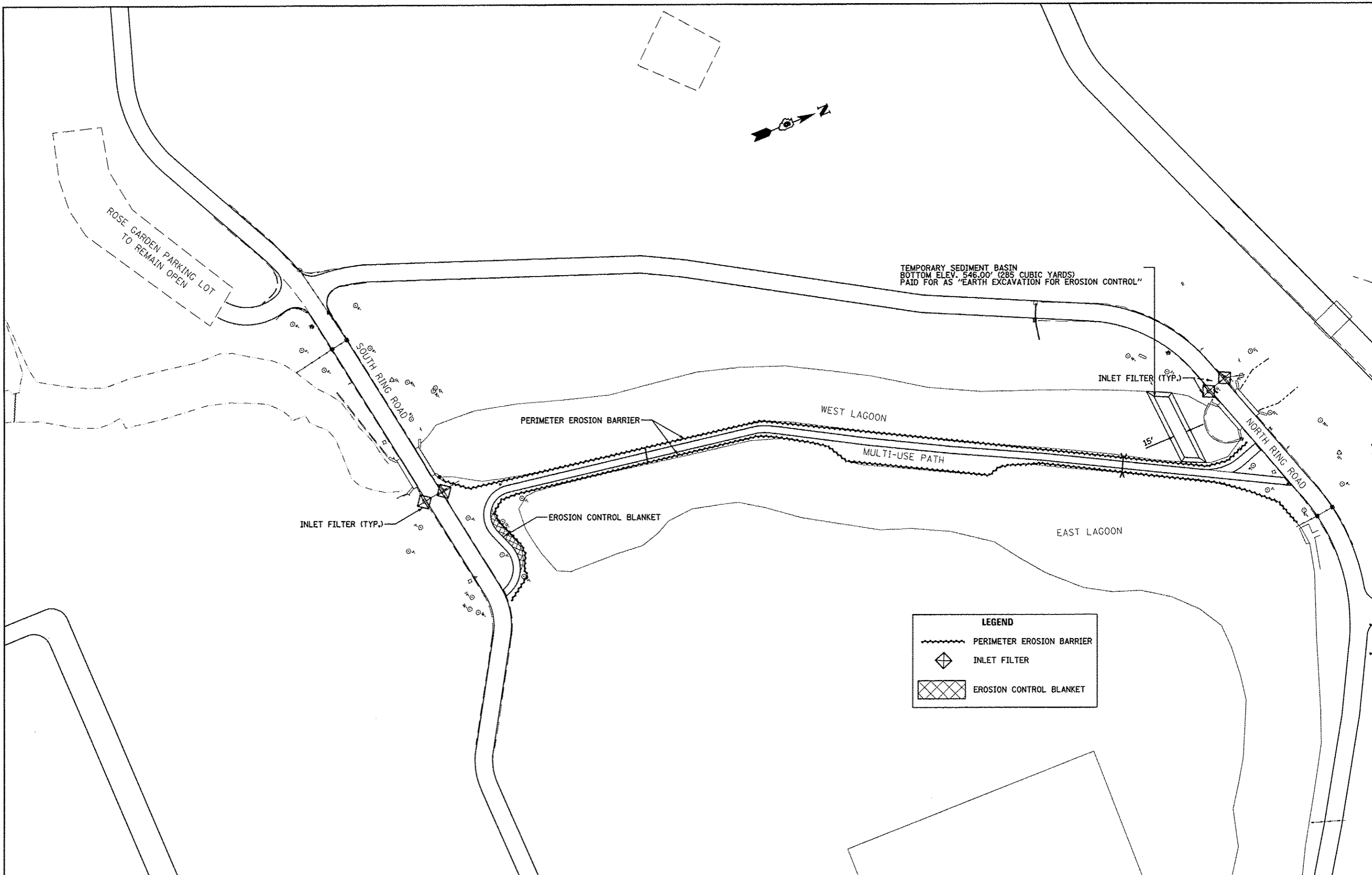
ITEM	SYMBOL
AGGREGATE (EROSION CONTROL) [STONE DUMPED RIPRAP DITCH CHECKS: Height = 0.6m (2')]	
TEMPORARY DITCH CHECKS	
INLET PIPE PROTECTION (I&PP)	
EROSION CONTROL FENCE	
EARTH EXCAVATION FOR EROSION CONTROL (SEDIMENT BASINS)	
PRESERVE EXISTING TREES, WOODLANDS, AND UNDERSTORY (OUTSIDE CONSTRUCTION LIMITS)	
ITEM PLACED AT BEGINNING OF CONSTRUCTION (Requirement)	* [ITEM] *
ITEM PLACED AS DIRECTED BY ENGINEER (When required by situation)	[ITEM]
DIRECTION OF OVERLAND FLOW	

GENERAL NOTES:
All items shall be constructed as shown on this sheet, on Standard 280001, and as directed by the Engineer.

The symbology on the STORM WATER POLLUTION PREVENTION PLAN sheets does not represent the size or quantity of bales, for number of bales refer to details and notes shown on this sheet and/or as directed by the Engineer.




THE CONTRACTOR SHALL INSTALL DITCH CHECKS AS DIRECTED BY THE ENGINEER. IF THE ENGINEER ELECTS TO UTILIZE FLUSH RIPRAP DITCH CHECKS IN LIEU OF TEMPORARY DITCH CHECKS AS SHOWN ON THE FOLLOWING PLAN SHEETS, THE SPACING SHOULD BE DOUBLED.

USER NAME = jleaf PLOT SCALE = 1/48 PLOT DATE = 2/8/2016	DESIGNED -	REVISED -	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	STORM WATER POLLUTION PREVENTION PLAN				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - BDM	REVISED -						* 10-P4002-00-BR	SANGAMON	55	44	
	CHECKED - JSA	REVISED -						* TR 1028 A & D				
	DATE - 7/15/09	REVISED -						ILLINOIS FED. AID PROJECT				
SCALE: NONE				SHEET NO.	OF	SHEETS	STA.	TO STA.				



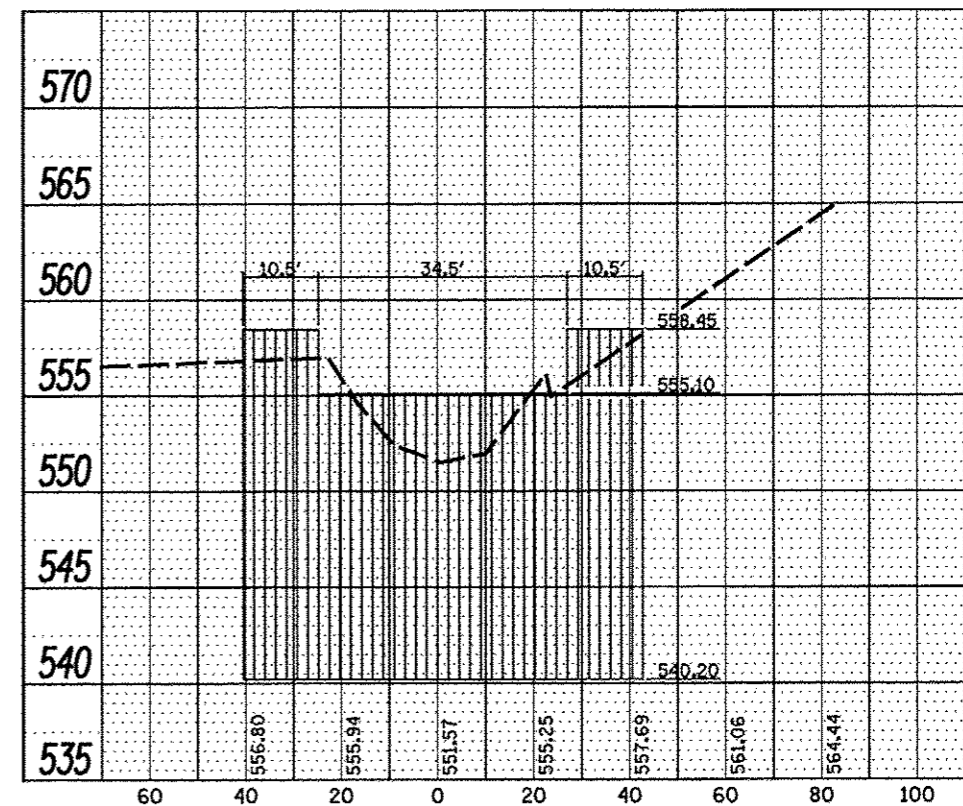
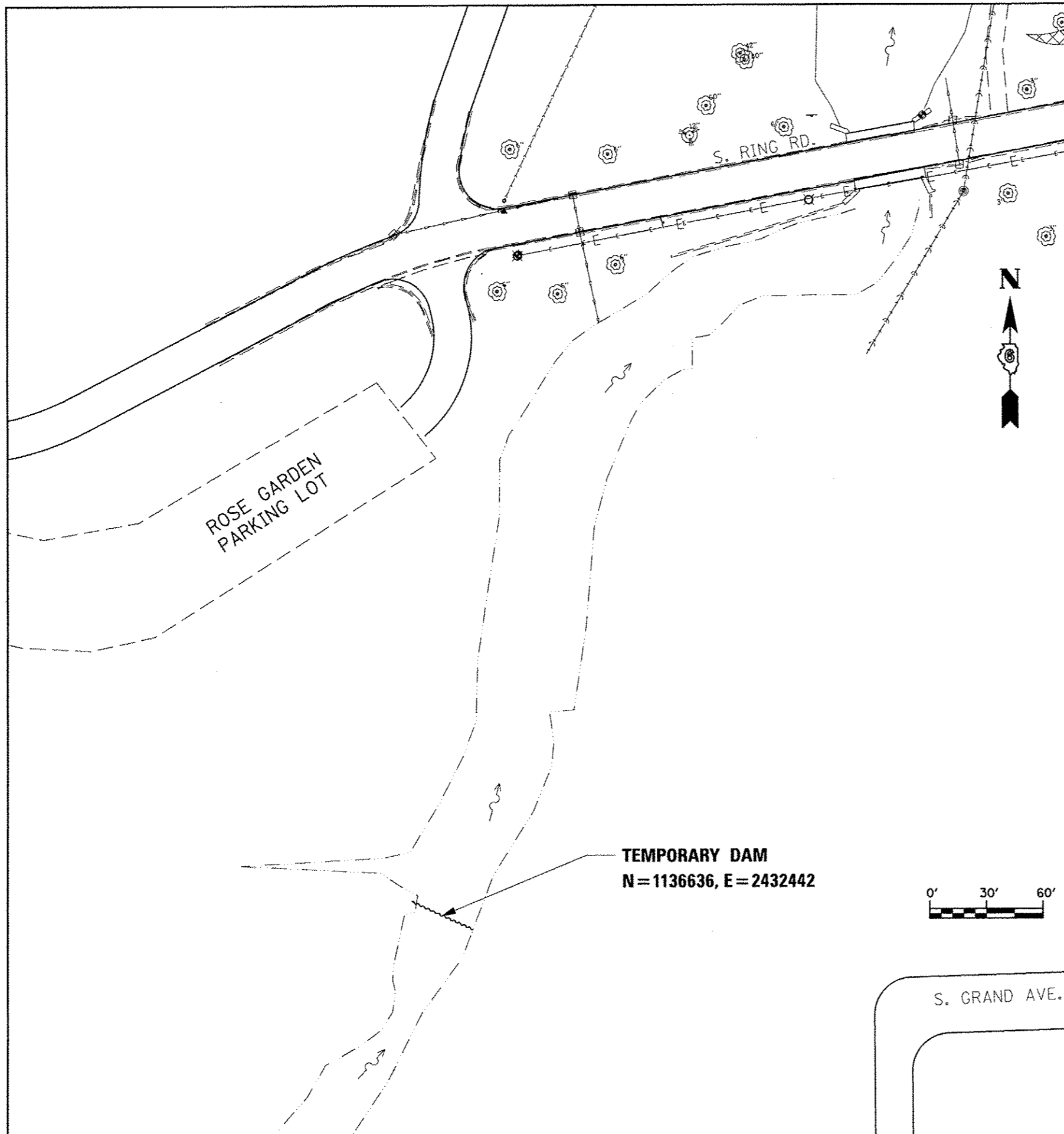
TEMPORARY SEDIMENT BASIN
 BOTTOM ELEV. 546.00' (285 CUBIC YARDS)
 PAID FOR AS "EARTH EXCAVATION FOR EROSION CONTROL"

LEGEND

-  PERIMETER EROSION BARRIER
-  INLET FILTER
-  EROSION CONTROL BLANKET

USER NAME = jleaf	DESIGNED -	REVISED -	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	EROSION CONTROL PLAN				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
PLOT SCALE = 1:1000	DRAWN - BDM	REVISED -		SCALE: NONE	SHEET NO.	OF	SHEETS	STA.	TO STA.	#	10-P4002-00-BR	SANGAMON	55	45
PLOT DATE = 2/8/2016	CHECKED - JSA	REVISED -		# TR 1028 A & D										
	DATE - 7/15/09	REVISED -											ILLINOIS FED. AID PROJECT	

FILE NAME = z:\7184\cad\15sheets\Roadway\Erosion Control\7184-sht-11a ErosionControl.dgn



CHANNEL CROSS SECTION AT
TEMPORARY SHEET PILING

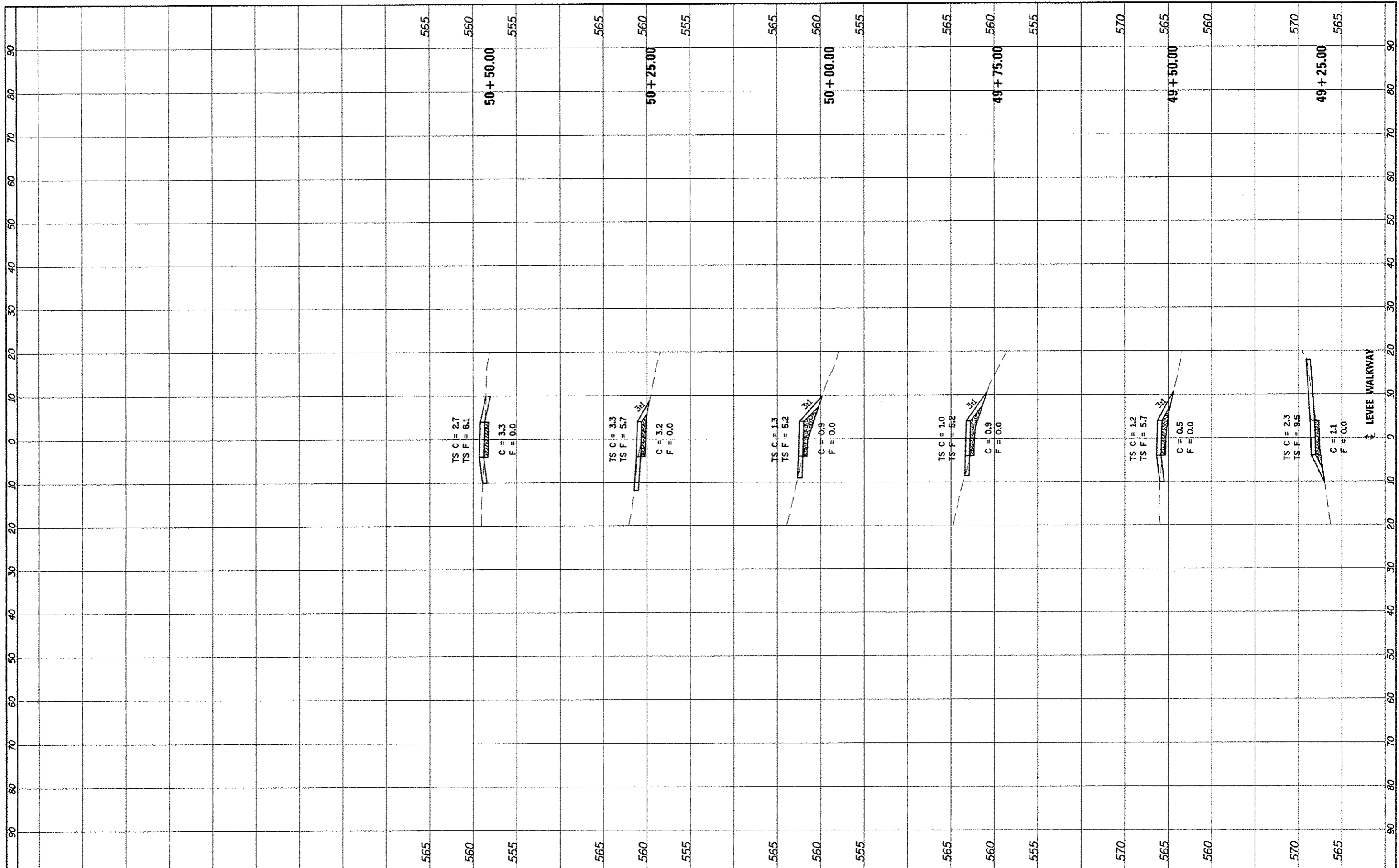
NOTES:

1. THE TOP OF TEMPORARY DAM ELEVATION IS 555.10 AND THE BOTTOM ELEVATION OF THE SHEETING IS 540.20.
2. THE SECTION MODULUS OF THE SHEET PILING IS $S_{req} = 4.6 \text{ In}^3$

USER NAME = jloof	DESIGNED -	REVISED -	SPRINGFIELD PARK DISTRICT WASHINGTON PARK BRIDGES AND SPILLWAY REPLACEMENT	TEMPORARY DAM DETAIL			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 1:60	DRAWN - BDW	REVISED -		SCALE: NONE	SHEET NO.	OF SHEETS	STA.	TO STA.	10-P4002-00-BR	SANGAMON	55	46
PLOT DATE = 2/8/2016	CHECKED - JSA	REVISED -							* TR 1028 A & D			
	DATE - 7/15/09	REVISED -							ILLINOIS FED. AID PROJECT			

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

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



FILE NAME >
Z:\7184\CAO\IShanta\Road\oy\XSec\7184-sht-13a.dgn

USER NAME = jloaf
PLOT SCALE = 1:20
PLOT DATE = 2/8/2016

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

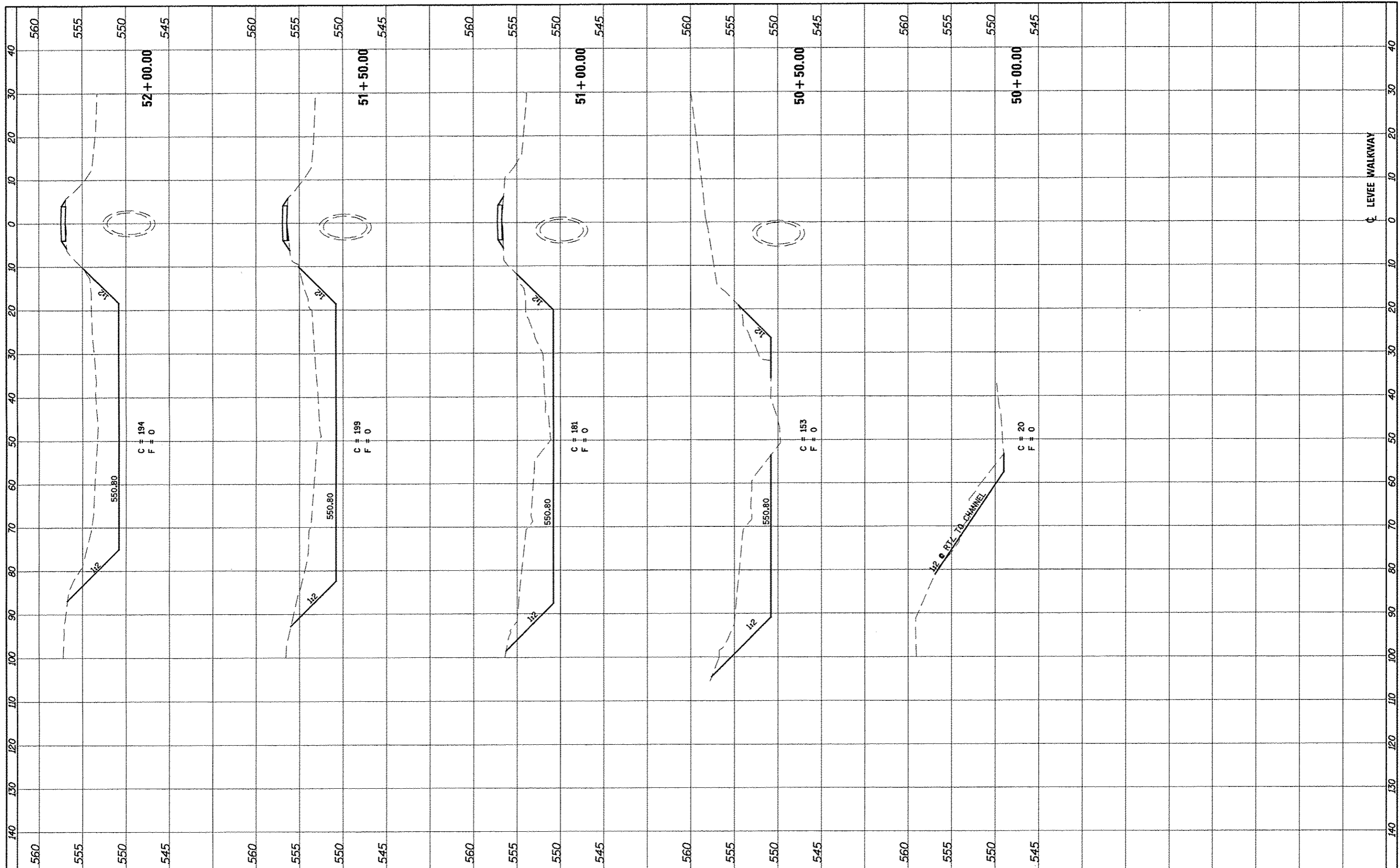
**SPRINGFIELD PARK DISTRICT
WASHINGTON PARK BRIDGES
AND SPILLWAY REPLACEMENT**

**CROSS SECTIONS
MULTI-USE PATH**
SCALE: SHEET OF SHEETS STA. 49+25.00 TO STA. 50+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-P4002-00-BR	SANGAMON	55	47
* TR 1028 A & D		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = Z:\7184\CAD\15\Sheets\Floodway\XSec\7184-ht-13a.dgn
 USER NAME = jleaf
 PLOT SCALE = 1:20
 PLOT DATE = 2/8/2016

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**SPRINGFIELD PARK DISTRICT
 WASHINGTON PARK BRIDGES
 AND SPILLWAY REPLACEMENT**

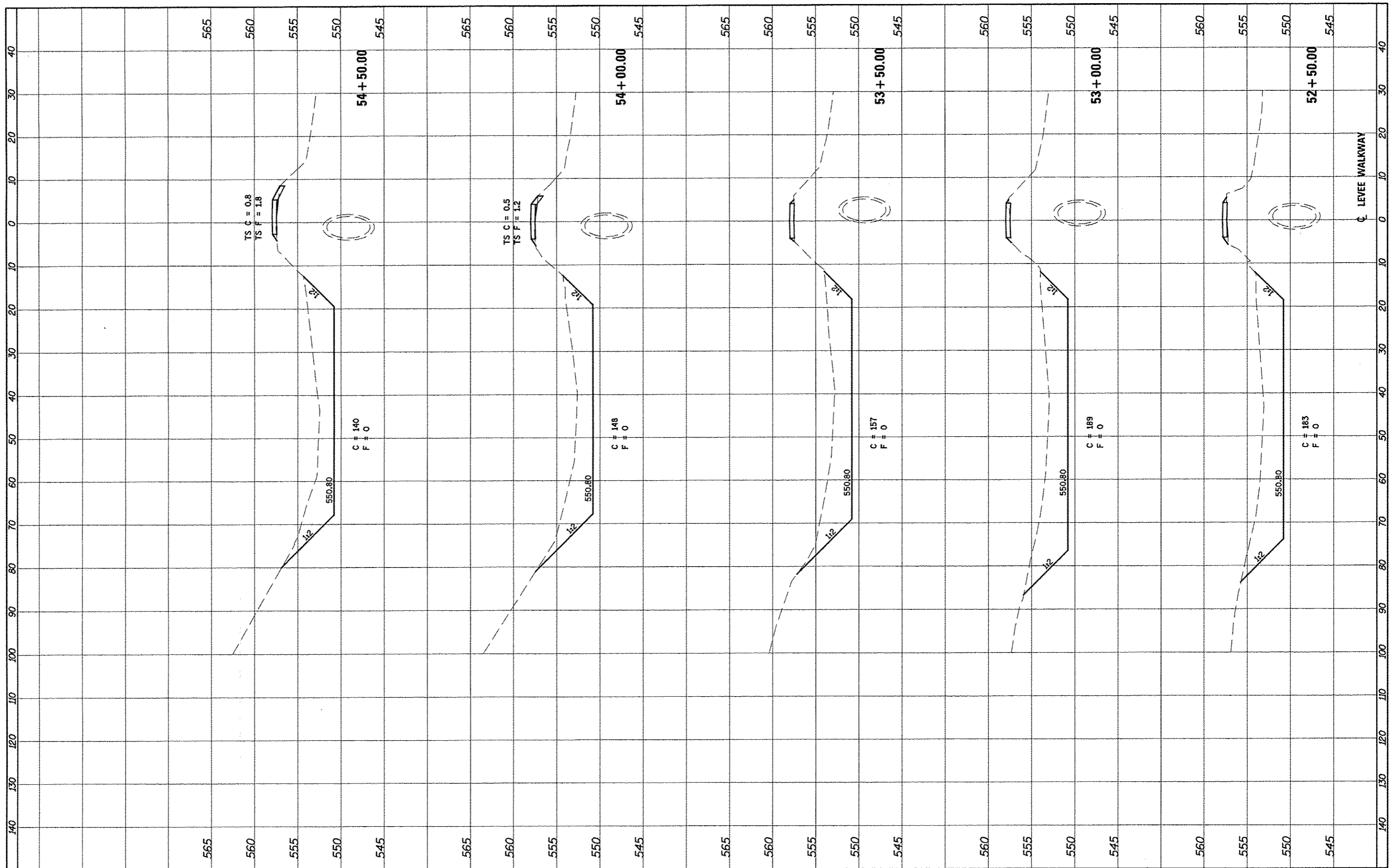
SCALE: SHEET OF SHEETS STA. 50+00.00 TO STA. 52+00.00

**CROSS SECTIONS
 WEST LAGOON & MULTI-USE PATH**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-P4002-00-BR	SANGAMON	95	48
* TR 1028 A & D			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = Z:\7184\CAD\Drawings\Roadway\XSec\7184-sht-13a.dgn
 USER NAME = jloef
 PLOT SCALE = 1:20
 PLOT DATE = 2/9/2016

DESIGNED	-	REVISOR	-
DRAWN	-	REVISION	-
CHECKED	-	REVISION	-
DATE	-	REVISION	-

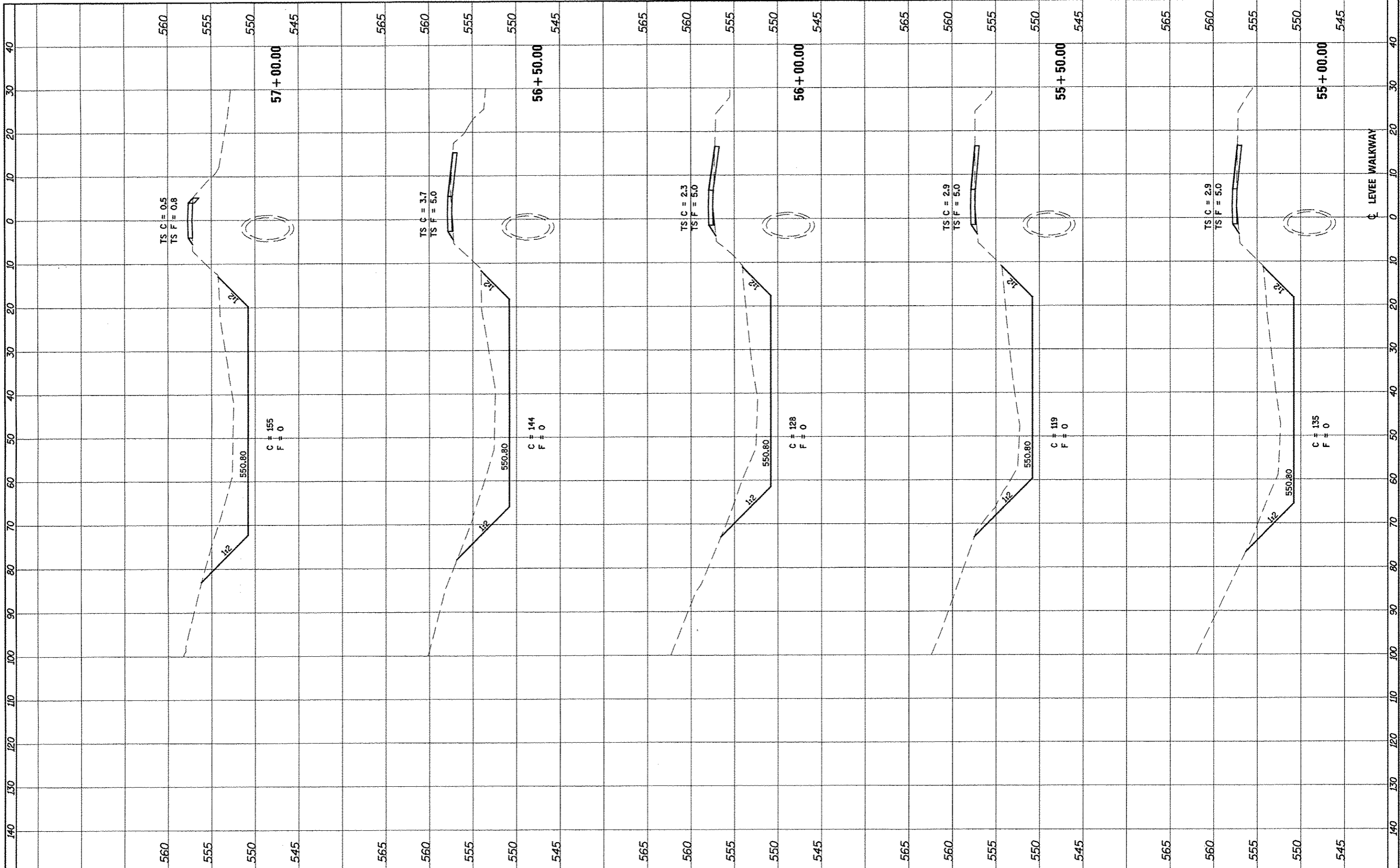
**SPRINGFIELD PARK DISTRICT
 WASHINGTON PARK BRIDGES
 AND SPILLWAY REPLACEMENT**

**CROSS SECTIONS
 WEST LAGOON & MULTI-USE PATH**
 SCALE: SHEET OF SHEETS STA. 52+50.00 TO STA. 54+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-P4002-00-BR	SANGAMON	55	49
* TR 1028 A & D		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

FINAL	DATE
SURVEY	BY
NOTED	
PLOTTED	
TEMPLATE	
NO. AREAS CHECKED	

ORIGINAL	DATE
SURVEY	BY
NOTED	
PLOTTED	
TEMPLATE	
NO. AREAS CHECKED	



FILE NAME = 2:\7184\CAD\1\Sheet\Roadway\XSec\7184-sht-13o...
 USER NAME = jleaf
 PLOT SCALE = 1:28
 PLOT DATE = 2/8/2016

DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-
CHECKED	-	REVISED	-
DATE	-	REVISED	-

**SPRINGFIELD PARK DISTRICT
 WASHINGTON PARK BRIDGES
 AND SPILLWAY REPLACEMENT**

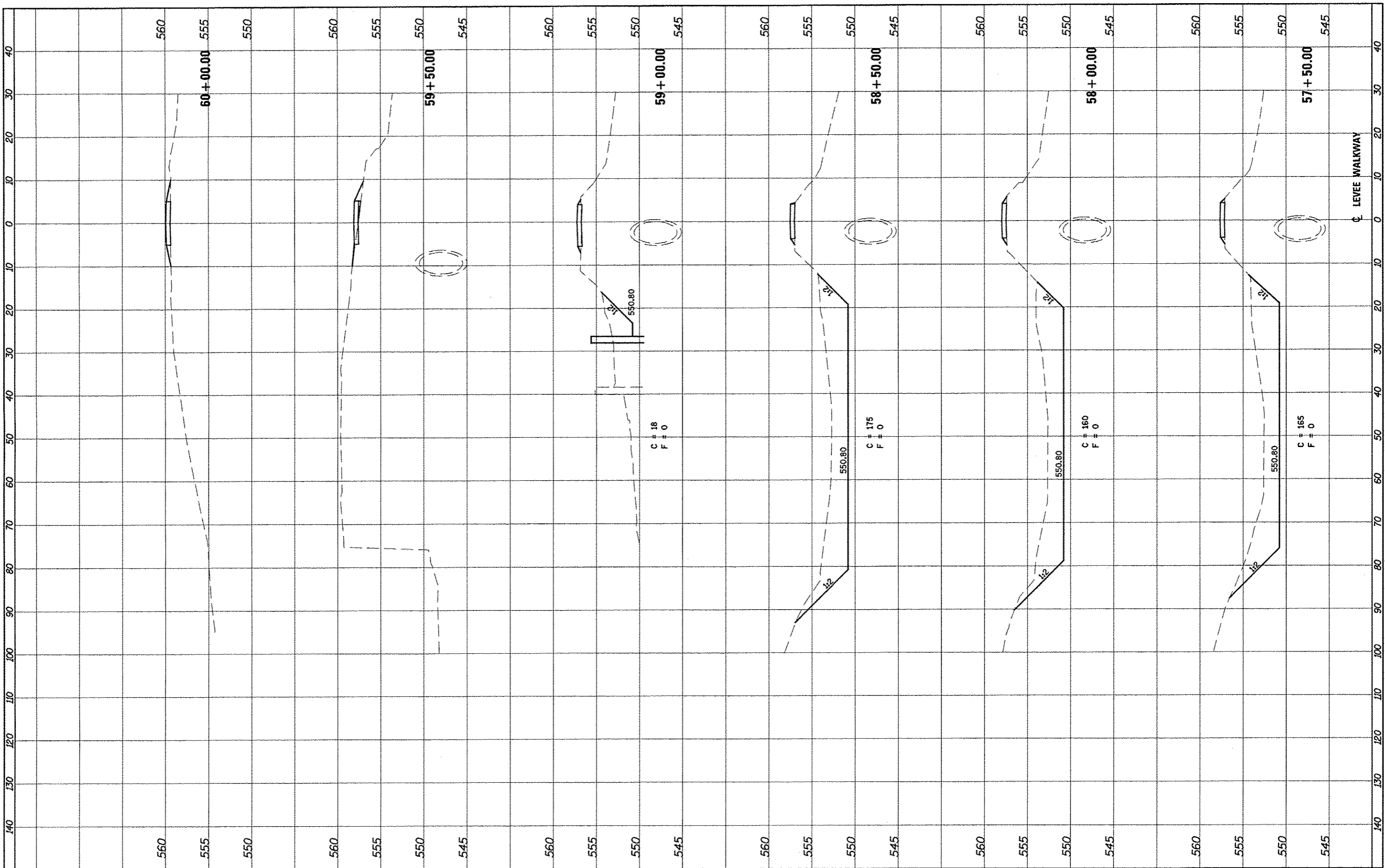
**CROSS SECTIONS
 WEST LAGOON & MULTI-USE PATH**

SCALE: SHEET OF SHEETS STA. 55+00.00 TO STA. 57+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-P4002-00-BR	SANGAMON	55	50
* TR 1028 A & D			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

FINISH	SURVEYED	DATE
SURVEY	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

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



FILE NAME = 2:\7184\CAO\1\Sheets\Roadway\KSoo\7184-sht-13a.dgn
 USER NAME = jleaf
 PLOT SCALE = 1/20
 PLOT DATE = 2/8/2016

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

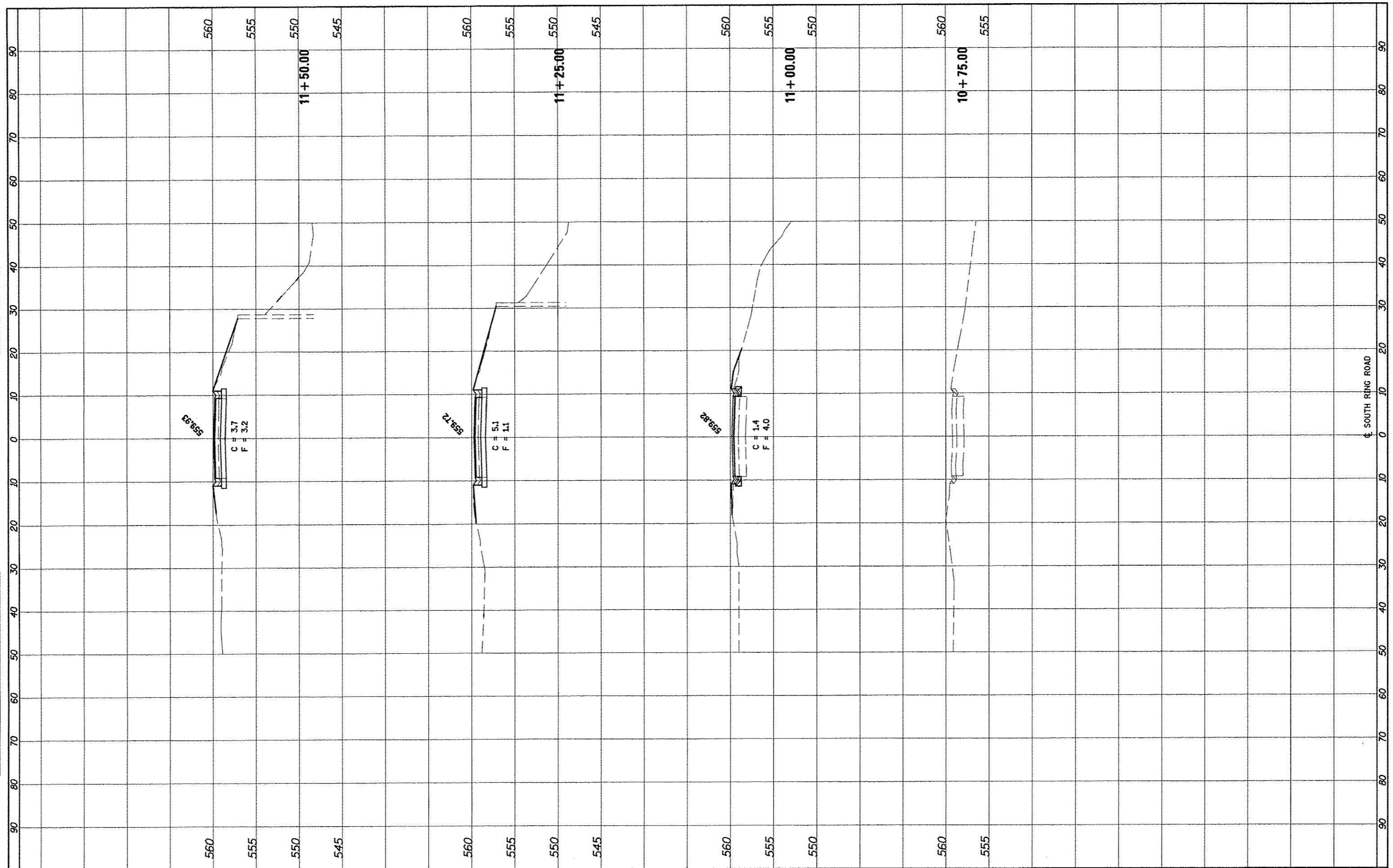
**SPRINGFIELD PARK DISTRICT
 WASHINGTON PARK BRIDGES
 AND SPILLWAY REPLACEMENT**

**CROSS SECTIONS
 WEST LAGOON & MULTI-USE PATH**
 SCALE: SHEET OF SHEETS STA. 57+50.00 TO STA. 60+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-P4002-00-BR	SANGAMON	55	51
* TR 1028 A & D		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

FINAL	SCISSOR	DATE
SURVEY	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

ORIGINAL	DATE
SURVEY	
NOTE BOOK	
NO.	



FILE NAME : Z:\7184\CAD\Shote\Roadway\XSec\7184-sh1-13b.dgn
 USER NAME : jloof
 PLT SCALE = 1/20
 PLT DATE = 2/8/2016

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

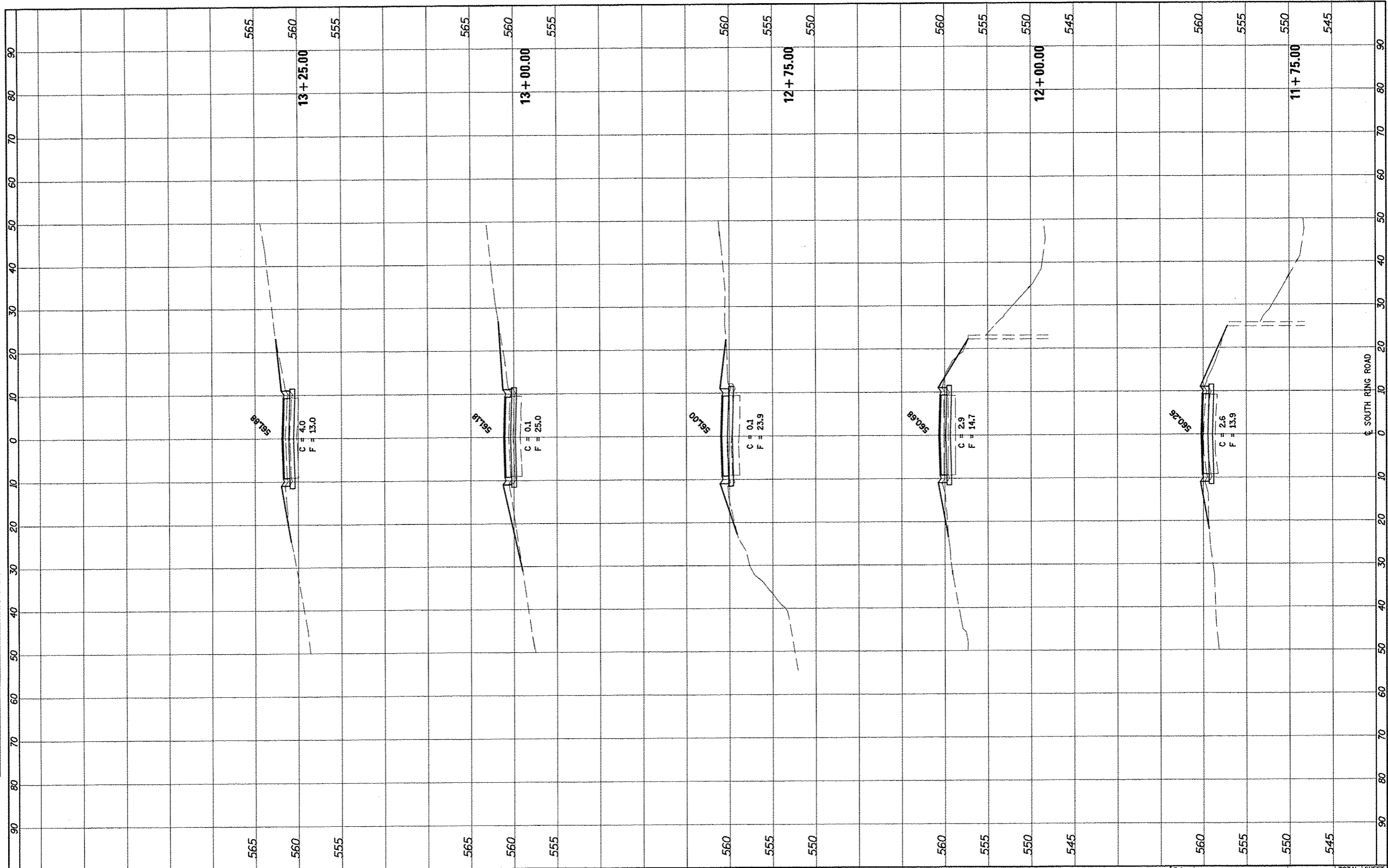
**SPRINGFIELD PARK DISTRICT
 WASHINGTON PARK BRIDGES
 AND SPILLWAY REPLACEMENT**

**CROSS SECTIONS
 SOUTH RING ROAD**
 SCALE: SHEET OF SHEETS STA. 10+25.00 TO STA. 11+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-P4002-00-BR	SANGAMON	55	52
* TR 1028 A & D		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				

FINN	DATE
SAVED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL	DATE
SAVED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME c:
2:\7184\CAD\Sheets\Roadway\XSec\7184-sh-13d

USER NAME = jleaf
*.ec.dgn
PLOT SCALE = 1:20
PLOT DATE = 2/8/2016

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**SPRINGFIELD PARK DISTRICT
WASHINGTON PARK BRIDGES
AND SPILLWAY REPLACEMENT**

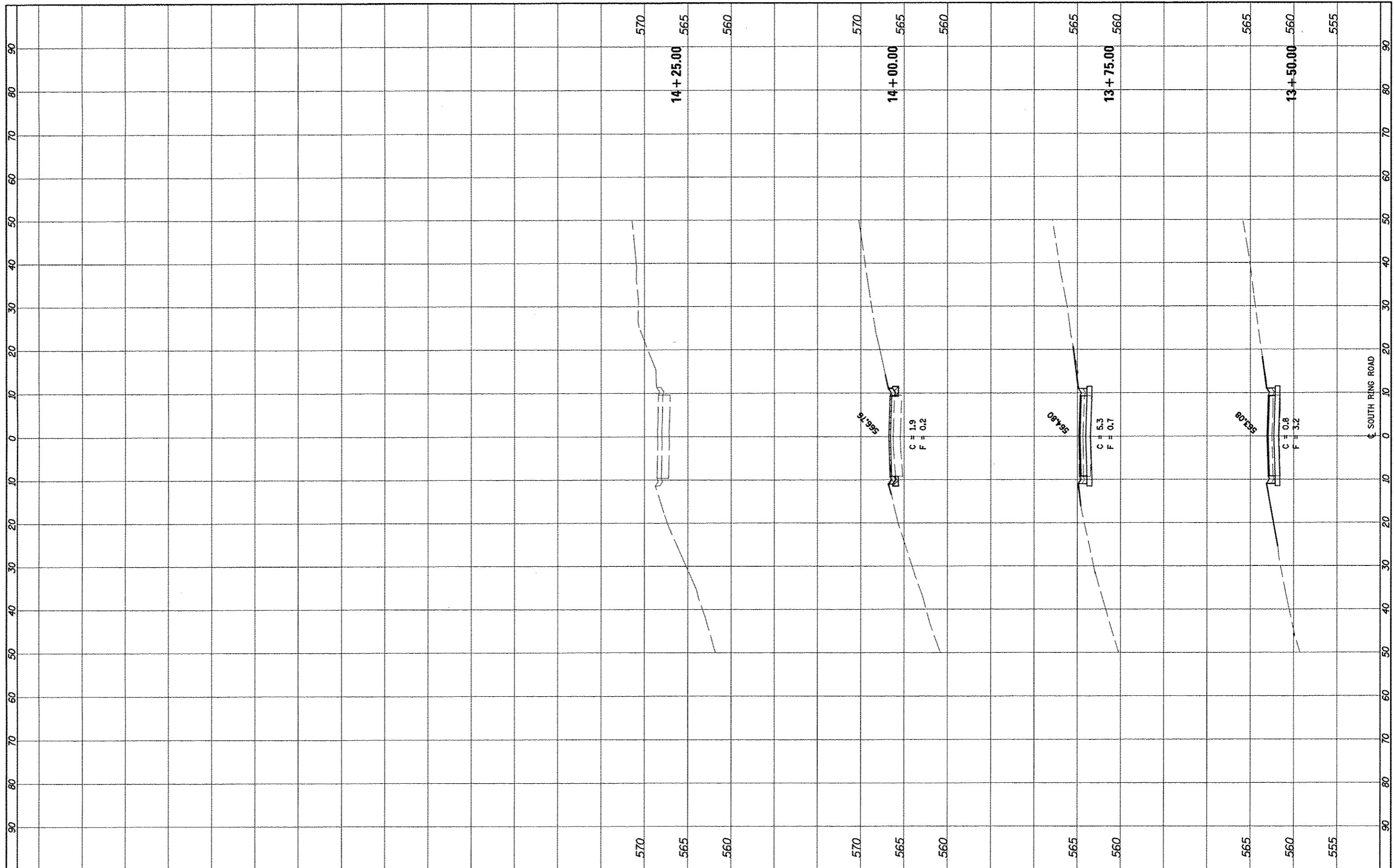
**CROSS SECTIONS
SOUTH RING ROAD**

SCALE: SHEET OF SHEETS STA. 11+75.00 TO STA. 12+75.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#	10-P4002-00-BR	SANGAMON	55	53
* TR 1028 A & D			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = Z:\7184\CAO\Sheets\Roadway\XSec\7184-sht-13b.dgn
 USER NAME = jleaf
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

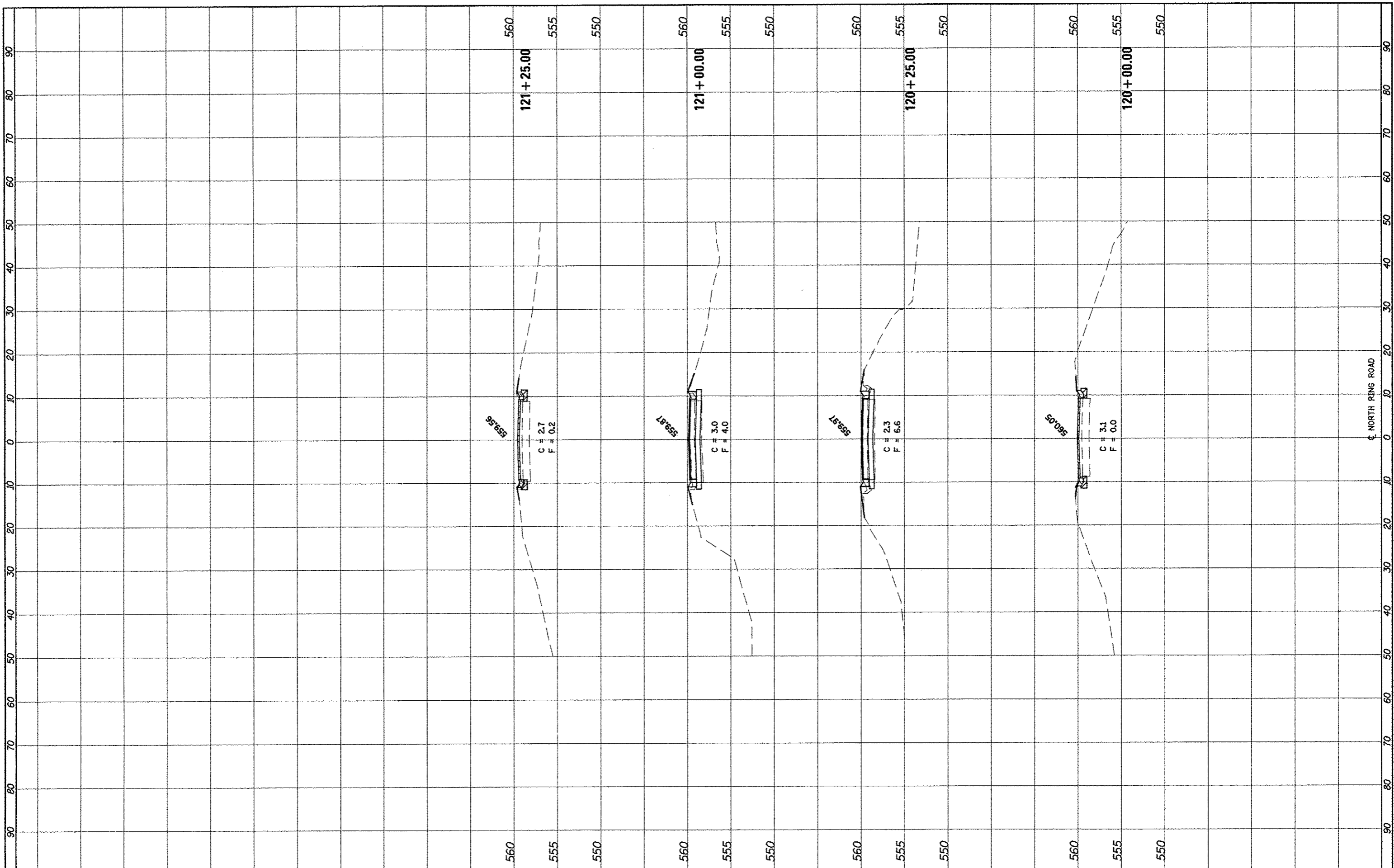
**SPRINGFIELD PARK DISTRICT
 WASHINGTON PARK BRIDGES
 AND SPILLWAY REPLACEMENT**

**CROSS SECTIONS
 SOUTH RING ROAD**
 SCALE: SHEET OF SHEETS STA. 13+00.00 TO STA. 14+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-P4002-00-BR	SANGAMON	55	54
* TR 1028 A & D			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME = 2:\7184\CD\1\Sheets\Floodway\XSec\7184-ah-13b.dgn
 USER NAME = jloof
 PLOT SCALE = 1:20
 PLOT DATE = 2/8/2016

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**SPRINGFIELD PARK DISTRICT
 WASHINGTON PARK BRIDGES
 AND SPILLWAY REPLACEMENT**

**CROSS SECTIONS
 NORTH RING ROAD**
 SCALE: SHEET OF SHEETS STA. 120+00.00 TO STA. 121+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-P4002-00-BR	SANGAMON	55	55
* TR 1028 A & D			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				