

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-00030-00-BT	SANGAMON	29	1
* PLUMMER BLVD MULTI-USE TRAIL ILLINOIS			CONTRACT NO. 93579	

29+2 = 31

SHEET NO.	DESCRIPTION
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1	COVER SHEET
2	SUMMARY OF QUANTITIES & GENERAL NOTES
3	TYPICAL SECTIONS
4 - 5	SCHEDULE OF QUANTITIES
6	ALIGNMENT TIES
7 - 8	PLAN & PROFILE
9	EROSION CONTROL PLANS
10A - 10B	DRAINAGE PLANS
11 - 13	INTERSECTION DETAILS
14 - 20B	RETAINING WALL PLANS
21 - 22	LIGHTING AND SECURITY CAMERA PLANS
23	DETAIL SHEET
24 - 29	CROSS SECTIONS

06-15-12 LETTING ITEM 065

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PLANS FOR

PROPOSED LOCAL AGENCY IMPROVEMENTS SURFACE TRANSPORTATION ENHANCEMENT PROJECT

PLUMMER BLVD MULTI-USE TRAIL (PHASE 1)

SECTION 10-00030-00-BT

VILLAGE OF CHATHAM

PROJECT TE-00D6 (109)

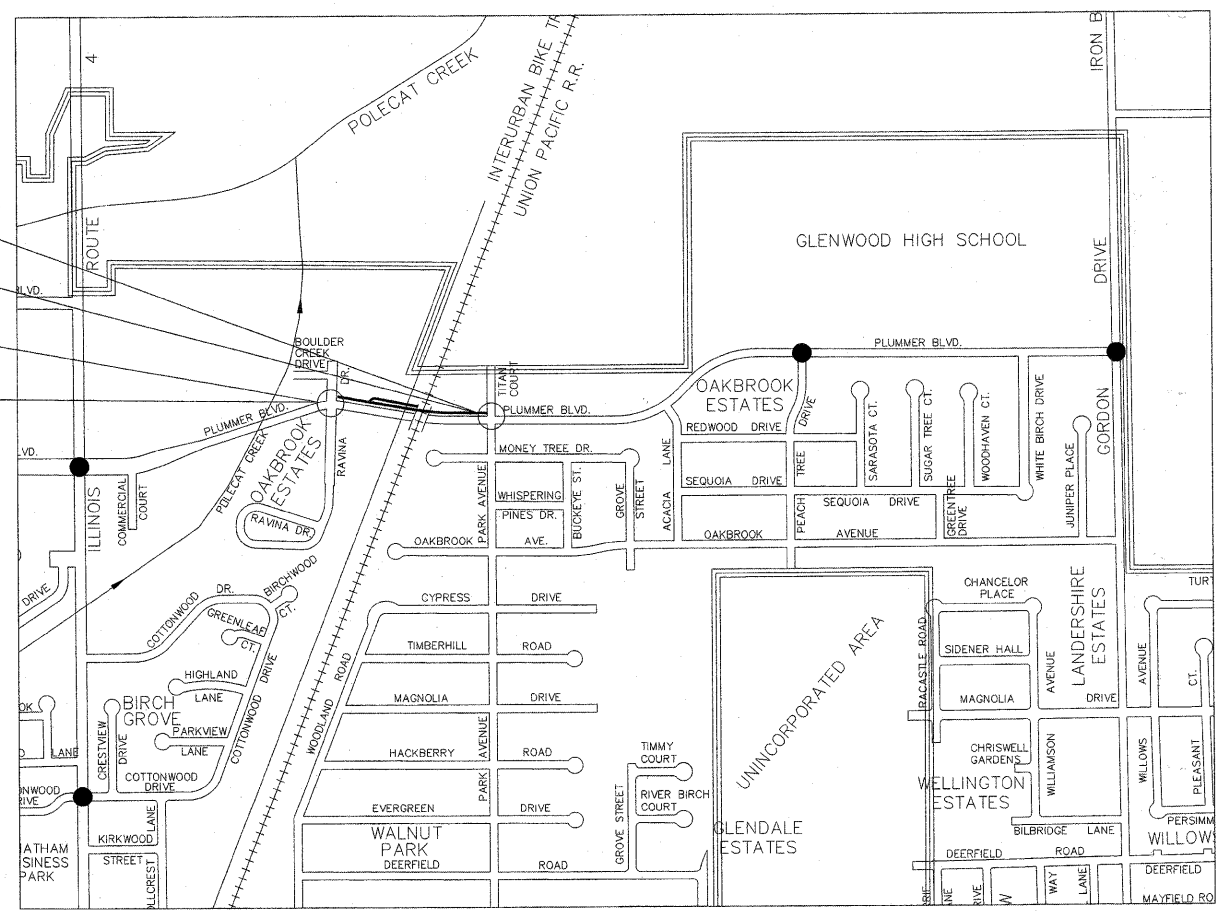
JOB NUMBER C-96-238-12

STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-06	TEMPORARY EROSION CONTROL SYSTEMS
424001-06	PERPENDICULAR CURB RAMPS FOR SIDEWALK
424011	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
542301-03	PRECAST REINFORCED CONCRETE END SECTION
602301-03	INLET - TYPE A
602401-03	MANHOLE - TYPE A
604001-03	FRAME & LIDS --TYPE 1
604036-02	GRATE - TYPE B
606001-04	CONCRETE CURB TYPE B & COMBINATION CONCRETE CURB & GUTTER
664001-02	CHAIN LINK FENCE
701801-05	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
780001-03	TYPICAL PAVEMENT MARKINGS
825011-02	LIGHTING CONTROLLER 240V, PEDESTAL MOUNT

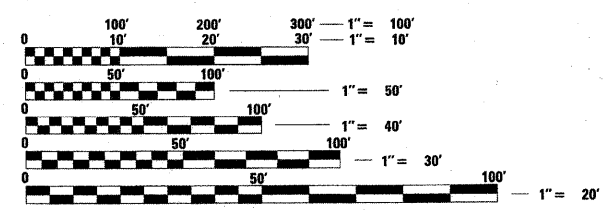


LOCATION OF SECTION INDICATED THIS: -



STA. 9+94.00
END IMPROVEMENTS
SECTION 10-00030-00-BT

STA. 0+23.00
BEGIN IMPROVEMENTS
SECTION 10-00030-00-BT

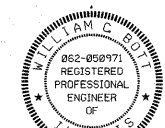


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

DESIGN DESIGNATION
MULTI-USE TRAIL

GROSS LENGTH = 971.00 FT. = 0.184 MILE
NET LENGTH = 971.00 FT. = 0.184 MILE



Willam C. Dett
04/06/2012
EXPIRES: 11/30/13

APPROVED	<i>Thomas A. Gray</i>	4	20 12
VILLAGE PRESIDENT			
PASSED	<i>Terence Fountain</i>	April 13	20 12
DISTRICT SIX ENGINEER OF LOCAL ROADS & STREETS			
PASSED	<i>Ron Buchanan</i>	April 13	20 12
DISTRICT SIX ENGINEER OF CONSTRUCTION			
Releasing For Bid Based on Limited Review	<i>Roger Driskell</i>	April 13	20 12
DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER			
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			

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PROJECT ENGINEER
PROJECT MANAGER

CONTRACT NO. 93579

COMPUTER FILE NO. sht-cover.dgn	PROJECT 10001.22 1/31/12 - AJH
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PLOT DATE = 4/6/2012 9:43:37 AM
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 MODEL SCALE = 1/16" = 1' / 1" = 16'
 PLOT SCALE = 1/16" = 1' / 1" = 16'
 PLOT DRIVER = PLOTDRVS6
 OPERATOR = amandah



UTILITY COMPANIES

AT&T
1220 IROUOIS DR.
SUITE 205
NAPERVILLE, IL. 60563

AMEREN CILCO
ENGINEERING DEPARTMENT
825 N. MACARTHUR BLVD
SPRINGFIELD, IL 62702

MCI
2250 LAKESIDE BLVD.
CUBE #4614
RICHARDSON, TX. 75082

VERIZON
330 W. BEECHER ST.
JACKSONVILLE, IL 62650

NEXTEL
5600 N. RIVER RD.
ROSEMONT, IL. 60018

CWLP
MUNICIPAL CENTER
SPRINGFIELD, IL. 62701

INSIGHT
701 S. DIRKSEN PARKWAY
SPRINGFIELD, IL 62702

VILLAGE OF CHATHAM
116 E. MULBERRY
CHATHAM, IL 62629

GENERAL NOTES

- WHEN SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER OR AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- ALL PLAN ELEVATIONS REPRESENT USGS DATUM.
- THE FOLLOWING APPLICATIONS RATES WERE USED IN THE DEVELOPMENT OF PLAN QUANTITIES:

COARSE AGGREGATE	2.05 TON/CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.08 GAL/SQ YD & 0.40 GAL/SQ YD
HOT-MIX ASPHALT	112 POUNDS/SQ YD/INCH
- THE FOLLOWING MIXTURE REQUIREMENTS SHALL APPLY TO THIS PROJECT:

HOT-MIX ASPHALT MIXTURE REQUIREMENTS			
ITEM	AGGREGATE COMPOSITION	ASPHALT GRADE	VOIDS
HMA SURFACE COURSE	IL-9.5 or 12.5 Mix "C"	PG 64-22	4.0% @ N50

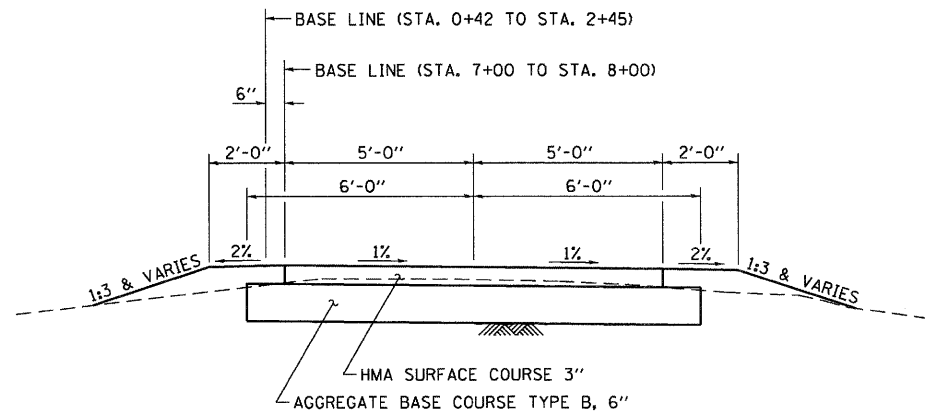
SUMMARY OF QUANTITIES			
PAY ITEM	ITEM	UNIT	QUANTITY
20101000	TEMPORARY FENCE	FOOT	30
20200100	EARTH EXCAVATION	CU YD	430
20800150	TRENCH BACKFILL	CU YD	10
20900110	POROUS GRANULAR BACKFILL	CU YD	403
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50
28000305	TEMPORARY DITCH CHECKS	FOOT	16
28000400	PERIMETER EROSION CONTROL BARRIER	FOOT	594
28000500	INLET AND PIPE PROTECTION	EACH	2
35101400	AGGREGATE BASE COURSE, TYPE B	TON	620
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	354
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	125
42400100	PORTLAND CEMENT CONCRETE SIDEWALK, 4 INCH	SQ FT	7770
42400800	DETECTABLE WARNINGS	SQ FT	64
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	30
44000600	SIDEWALK REMOVAL	SQ FT	3343
50200100	STRUCTURE EXCAVATION	CU YD	1,184
50300225	CONCRETE STRUCTURES	CU YD	121.6
50800105	REINFORCEMENT BARS	POUND	14,520
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	29
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	16
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	173
60100915	PIPE DRAINS 6"	FOOT	47
60107700	PIPE UNDERDRAINS 6"	FOOT	286
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2
60255500	MANHOLES TO BE ADJUSTED	EACH	1
60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1
60260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1
60262900	INLETS TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	50
66400105	CHAIN LINK FENCE 4'	FOOT	422

SUMMARY OF QUANTITIES			
PAY ITEM	ITEM	UNIT	QUANTITY
67100100	MOBILIZATION	L SUM	1
72000100	SIGN PANEL - TYPE 1	SQ FT	43.3
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	77
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	164
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	54
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	985
78300100	PAVEMENT MARKING REMOVAL	SQ FT	80
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	123
81028550	UNDERGROUND CONDUIT, INTERMEDIATE METAL, 2" DIA.	FOOT	5
81104600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA. INTERMEDIATE METAL	FOOT	718
81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6"x6"x4"	EACH	11
81500120	GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	1
81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	353
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	364
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3C	FOOT	32
Z0004002	BOLLARDS	EACH	3
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0033050	COAXIAL CABLE IN CONDUIT	FOOT	1,290
Z0048685	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1
Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH	3
X0322283	VIDEO SURVEILLANCE SYSTEM, COMPLETE	EACH	1
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
XX003308	TRENCH DRAIN	FOOT	20
XX007309	BOLLARD, QUICK RELEASE	EACH	2
XX008115	SEEDING, CLASS 1A SPECIAL	SQ YD	2132
XX008115	TUNNEL LUMINAIRE, INDUCTION, SURFACE MOUNTED, 100 WATT	EACH	5
XX008115	ELECTRIC CABLE IN CONDUIT, CAMERA POWER, NO. 18 2C	FOOT	1,290

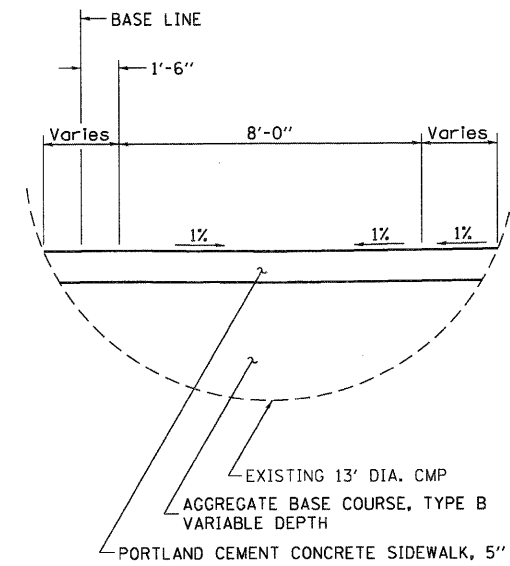
* SPECIAL PROVISION
 Δ SPECIALTY ITEMS

CONSTRUCTION TYPE CODE: 0028

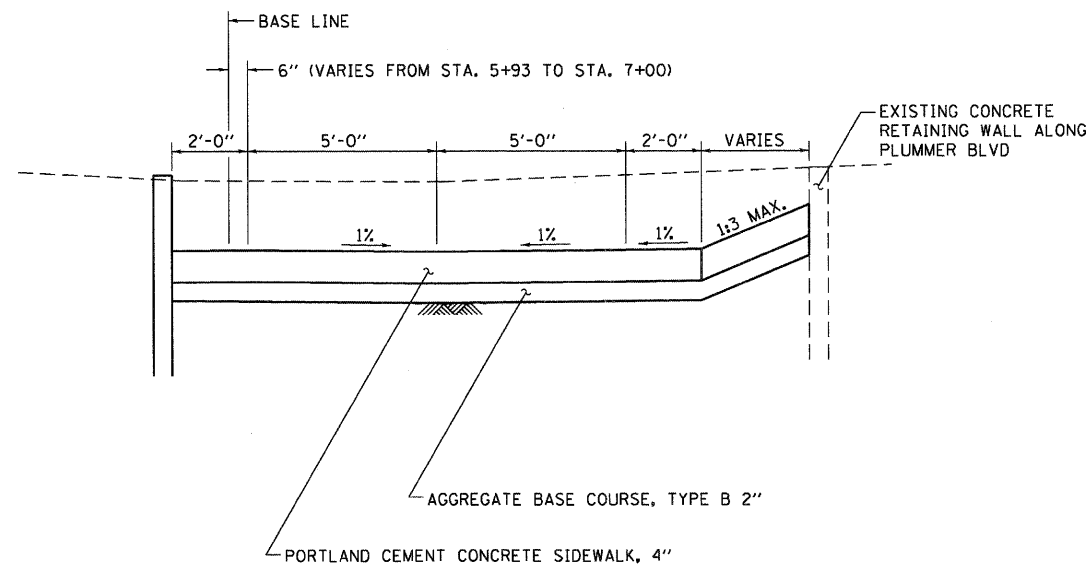




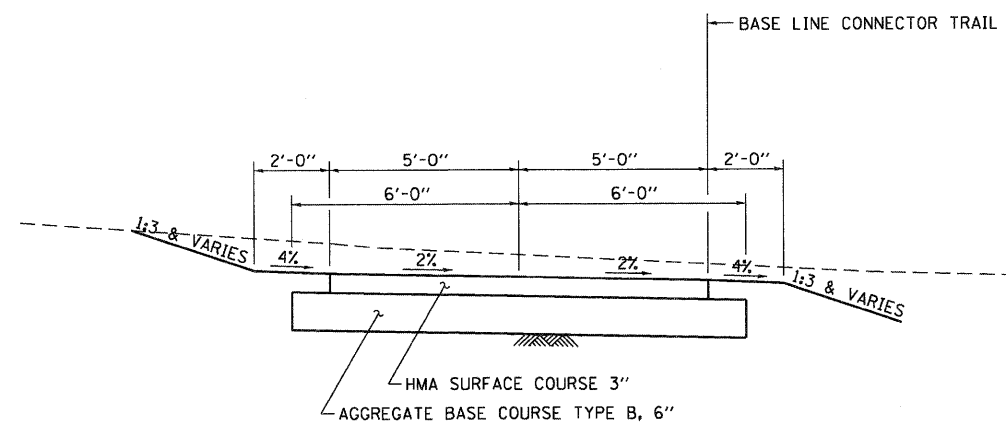
PROPOSED TYPICAL CROSS SECTION
 FROM STA. 0+42 TO STA. 2+40
 FROM STA. 7+00 TO STA. 9+38



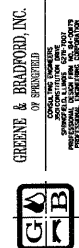
PROPOSED TYPICAL CROSS SECTION
 FROM STA. 3+65.00 TO STA. 5+93.25



PROPOSED TYPICAL CROSS SECTION
 FROM STA. 2+40.00 TO STA. 3+65.00
 FROM STA. 5+93.25 TO STA. 7+00.00



PROPOSED TYPICAL CROSS SECTION
 INTERURBAN TRAIL CONNECTOR
 STA. 49+85 TO STA. 51+94.77



GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 CIVIL ENGINEERS
 1001 N. UNIVERSITY BLVD.
 SPRINGFIELD, ILLINOIS 62761
 (618) 791-8844

FILE NAME = J:\10001.22\CADD\CADD Sheets\sht-typical.dgn	USER NAME = amandah	DESIGNED - WCB	REVISED -
G&B PROJECT: 10001.22	PLOT SCALE = 10.0000' / 1" / 10'	DRAWN - AH	REVISED -
PLOT DRIVER = PLOTTER	PLOT DATE = 4/5/2012	CHECKED - GSK	REVISED -
		DATE - 4/5/2012	REVISED -

**PLUMMER BLVD MULTI-USE TRAIL
 VILLAGE OF CHATHAM**

TYPICAL SECTIONS		SCALE: NTS	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	10-00030-00-BT	SANGAMON	29	3
• PLUMMER BLVD MULTI-USE TRAIL			CONTRACT NO. 93579	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-0006 (109)				

MAINLINE PAVING SCHEDULE								
LOCATION	SIDEWALK REMOVAL (SQ FT)	PORTLAND CEMENT CONCRETE SIDEWALK 4" (SQ FT)	DETECTABLE WARNING (EACH)	BITUMINOUS MATERIALS (PRIME COAT) (GALLON)	AGGREGATE BASE COURSE, TYPE B (TON)	HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50 (TON)	COMBINATION CURB AND GUTTER REMOVAL (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (FOOT)
STA. 0+22.6 TO STA. 0+42.0	302	238					10	10
STA. 0+30.1			20					
STA. 0+37.5			10					
STA. 0+42.0 TO STA. 0+59.1		101						
STA. 0+42.0 TO STA. 2+40.0				106	99	37		
STA. 2+40.0 TO STA. 3+65.0		2523			33			
STA. 3+65.0 TO STA. 5+93.0		2330			242			
STA. 5+93.0 TO STA. 7+00.0		2232			29			
STA. 6+64.5 TO STA. 9+52.0	2634							
STA. 7+00.0 TO STA. 9+38.0				127	114	45		
STA. 8+94.5 TO STA. 9+31.5	320	227						
STA. 9+38.0 TO STA. 9+49.0		119					12	22
STA. 9+44.5			34					
STA. 9+86.5, LT. TO STA. 9+94.0, LT. NE CORNER PLUMMER BLVD/PARK AVE.	87							12
CONNECTOR TO INTERURBAN TRAIL				121	103	43		
TOTALS	3343	7770	64	354	620	125	22	43
USE	3343	7770	64	354	620	125	30	50

DRAINAGE ITEMS SCHEDULE										
LOCATION	TRENCH DRAIN (FOOT)	PRECAST REINFORCED CONCRETE FLARD END SECTIONS 12" (EACH)	STORM SEWERS, CLASS A, TYPE 1 12" (FOOT)	STORM SEWERS, CLASS A, TYPE 1 15" (FOOT)	PIPE DRAINS 6" (FOOT)	INLETS, TYPE A, TYPE B GRATE (EACH)	MANHOLES TO BE ADJUSTED (EACH)	MANHOLES TO BE RECONSTRUCTED WITH TYPE 1 FRAME, CLOSED LID (EACH)	INLETS TO BE RECONSTRUCTED WITH TYPE 1 FRAME, OPEN LID (EACH)	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID (EACH)
STA. 0+70.0, 6.0' LT.						1				
STA. 0+70.0, 6.0' LT. TO STA. 0+70.2, 10.1' RT.				16						
STA. 0+70.2, 10.1' RT.								1		
STA. 2+05.0, 7.0' LT.		1								
STA. 2+05.0, 7.0' LT. TO STA. 2+40.0, 5.5' LT.			29							
STA. 2+40.0, 5.5' LT.						1				
STA. 4+51.5, 5.5' RT.										1
STA. 4+51.5, 5.5' RT. TO STA. 4+84.7, 5.5' RT.					33					
STA. 4+84.7, 5.5' RT.	10									
STA. 5+20.0, 5.5' RT.	10									
STA. 5+20.0, 5.5' RT. TO STA. 5+34.4, 5.5' RT.					14					
STA. 5+34.4, 5.5' RT.									1.0	
STA. 9+33.4, 6.0' LT.							1			
TOTALS	20	1	29	16	47	2	1	1	1	1

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 CIVIL ENGINEERS
 1015 S. WASHINGTON ST.
 SPRINGFIELD, ILL. 62761
 TEL: 217-223-8844 FAX: 217-223-8845
 WWW.GREENE-AND-BRADFORD.COM



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PLOT SCALE = 100.0000' / in.	PLOT DATE = 4/6/2012	DRAWN - AJH	REVISED -
		CHECKED - GSK	REVISED -
		DATE - 4/2/2012	REVISED -

**PLUMMER BLVD MULTI-USE TRAIL
VILLAGE OF CHATHAM**

SCHEDULE OF QUANTITIES			
SCALE: NTS	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-00030-00-BT	SANGAMON	29	4
* PLUMMER BLVD MULTI-USE TRAIL		CONTRACT NO. 93579		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	TE-0006 (109)	

SEEDING SCHEDULE									
LOCATION	EARTH EXCAVATION	STRUCTURE EXCAVATION	FILL	TEMPORARY FENCE (TREE)	TEMPORARY DITCH CHECKS	PERIMETER EROSION CONTROL BARRIER	INLET AND PIPE PROTECTION	DISTURBED AREA	SEEDING, CLASS 1 (SPECIAL)
	CU YD	CU YD	CU YD	FOOT	FOOT	FOOT	EACH	SQ FT	SQ YD
ILLINOIS ROUTE 33									
STA. 0+23.0 TO STA. 4+40.0	382	629	60					10,006	1111.8
STA. 0+70.0, 60' LT.							1		
STA. 1+00.0, LT.					8				
STA. 1+50.0, LT.					8				
STA. 2+40.0, 5.5' LT.							1		
STA. 5+90.0 TO STA. 9+48.0	48	555	51					9,060	1006.7
STA. 5+90, LT. TO STA. 9+50, LT.						356			
STA. 7+00, RT. TO STA. 9+25, RT.						222			
STA. 8+89.5, 16.5' LT.				15					
STA. 9+28.7, 20.7' LT.				15					
STA. 9+93.0, 7' LT. TO STA. 9+93.0, 23' LT.						16		120	13.4
TOTALS	430	1184	111	30	16	594	2	19,186	2131.90

STREET SIGNS SCHEDULE	
LOCATION	REMOVING AND RESETTING STREET SIGNS EACH
STATION 0+45.5, 14.8' RT.	1
STATION 6+64.5, 1.6' LT.	1
STATION 9+36.9, 1.6' LT.	1
TOTALS	3

PAVEMENT MARKING SCHEDULE										
LOCATION	DESCRIPTION	SIGN PANEL NUMBER	SIGN PANEL - TYPE 1 (SQ FT)	TELESCOPING STEEL SIGN SUPPORT (FOOT)	PAINT PAVEMENT MARKING REMOVAL (SQ FT)	PAINT PAVEMENT MARKING - LINE 4" (FOOT)	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (FOOT)	THERMOPLASTIC PAVEMENT MARKING - LINE 24" (FOOT)	BOLLARDS (EACH)	BOLLARDS, QUICK RELEASE (EACH)
STA. -20.2, 14.2' RT. TO STA. 0+26.9, 11.9' RT.	(SINGLE SOLID - WHITE)				21		47.5			
STA. -16.5, 3.2' RT. TO STA. 0+20.6, 1.5' RT.	(SINGLE SOLID - WHITE)				18		37.5			
STA. -16.3, 2.4' LT. TO STA. 0+00., 2.4' LT.	(SINGLE SOLID - WHITE)							16		
STA. 0+32.0, 5.5' RT. TO STA. 1+00.0, 5.5' RT.	(SINGLE SOLID - YELLOW)									
STA. 0+33.0, 0.5' RT. TO STA. 0+33, 5.5' RT.	(SINGLE SOLID - WHITE)							5		
STA. 0+35.5, 4.3' LT.	STOP	R1-1	2.25	12.0						
STA. 0+35.5, 4.3' LT.	HANDICAPPED ACCESSIBLE	D9-6	4.00							
STA. 0+35.5, 4.3' LT.	(HARD LEFT ARROW)	M5-1	2.20							
STA. 0+56, 13.5' RT.	NO MOTOR VEHICLES	R5-3	4.00	12.5						
STA. 0+56, 13.5' RT.	HANDICAPPED ACCESSIBLE	D9-6	4.00							
STA. 0+56, 13.5' RT.	(HARD RIGHT ARROW)	M5-1	2.20							
STA. 0+55.0									2	1
STA. 2+14.2, 8.2' LT.	STOP	R1-1	2.25	12.0						
STA. 2+14.2, 8.2' LT.	HANDICAPPED ACCESSIBLE	D9-6	4.00							
STA. 2+14.2, 8.2' LT.	(HARD RIGHT ARROW)	M5-1	2.20							
STA. 2+20.0, 4.5' LT. TO STA. 2+25.0, 4.5' LT.	(SINGLE SOLID - WHITE)							5		
STA. 2+25.0, 3.5' LT. TO STA. 2+41.0, 14.8' LT.	(SINGLE SOLID - YELLOW)					23				
STA. 2+40.0, 0.5' RT. TO STA. 7+00.0, CL.	(SINGLE SOLID - WHITE)					460				
STA. 2+40.0, 5.5' RT. TO STA. 7+00.0, 5.0' RT.	(SINGLE SKIP DASH - YELLOW)									
STA. 2+40.0, 10.5' RT. TO STA. 7+00.0, 10.0' RT.	(SINGLE SOLID - WHITE)					460				
STA. 3+80.0, 15.0' LT. TO STA. 4+22.3, 13.3' LT.	(SINGLE SOLID - YELLOW)					42				
STA. 4+16.7, 4.4' LT.	STOP	R1-1	2.25	10.0						
STA. 4+20.0, 7.3' LT. TO STA. 4+21.3, 13.4' LT.	(SINGLE SOLID - WHITE)							6		
STA. 9+00.0, CL. TO STA. 9+37.0, CL.	(SINGLE SOLID - YELLOW)									
STA. 9+22, 10.0' LT.	NO MOTOR VEHICLES	R5-3	4.00	10.5						
STA. 9+22, 10.0' LT.	HANDICAPPED ACCESSIBLE	D9-6	4.00							
STA. 9+22, 10.0' LT.	(HARD LEFT ARROW)	M5-1	2.20							
STA. 9+25.0									1	1
STA. 9+33.4, 9.5' RT.	STOP	R1-1	2.25	10.0						
STA. 9+36.0, CL. TO STA. 9+36.0, 5.0' RT.	(SINGLE SOLID - WHITE)							5		
STA. 9+52.0, 10.5' LT. TO STA. 9+69.0, 10.5' LT.	(SINGLE SOLID - WHITE)							17		
STA. 9+47.1, 5.25' RT. TO STA. 9+90.6, 5.25' RT.	(SINGLE SOLID - WHITE)				22		43.5			
STA. 9+50.9, 5.75' LT. TO STA. 9+86.4, 5.75' LT.	(SINGLE SOLID - WHITE)				19		35.5			
STA. 10+01.0, CL. TO STA. 10+50.0, 1.8' RT.	(SINGLE SOLID - YELLOW)									
STA. 9+92.0, 18.0' LT.	USE CROSSWALK (LT ARROW)	R9-3b	1.50	10.0						
TOTALS			43.30	77.0	80	985	164	54	3	2
USE			43.30	77.0	80	985	164	54	3	2

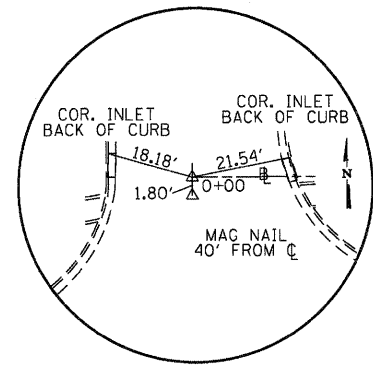
GREENE & BRADFORD, INC.
 6011 719th St.
 ST. LOUIS, MO 63105
 (314) 833-1100
 www.greenebradford.com

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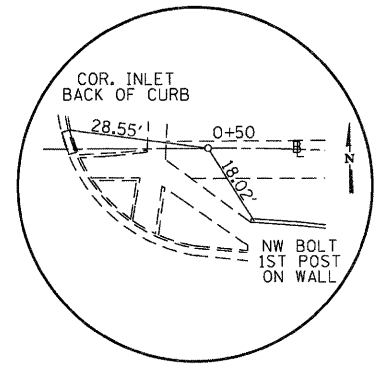
**PLUMMER BLVD MULTI-USE TRAIL
VILLAGE OF CHATHAM**

SCHEDULE OF QUANTITIES			
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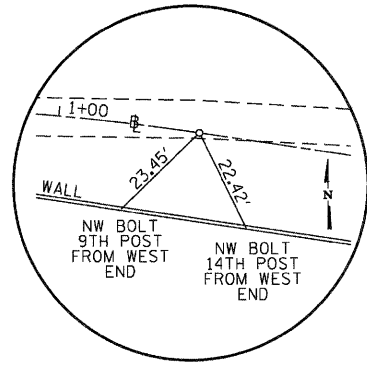
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	10-00030-00-BT	SANGAMON	29	5
PLUMMER BLVD MULTI-USE TRAIL			CONTRACT NO. 93579	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT TE-0006 (109)				



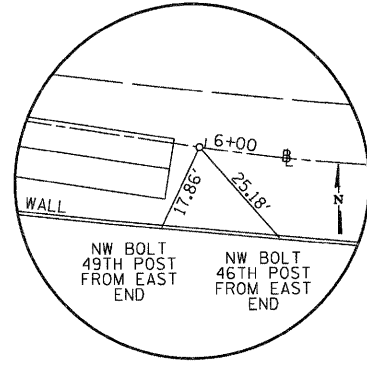
POT STA. 0+00.00
MAG NAIL



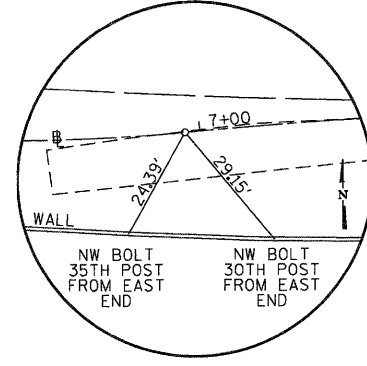
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IRON PIN/CAP



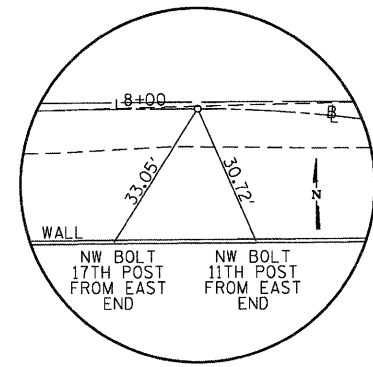
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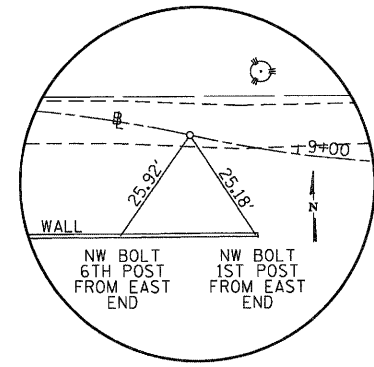
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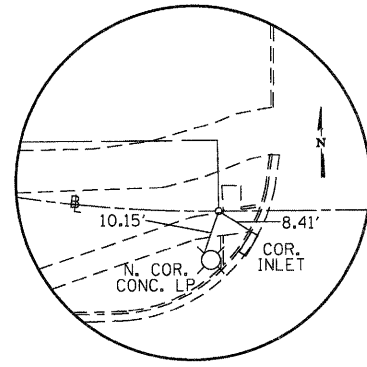
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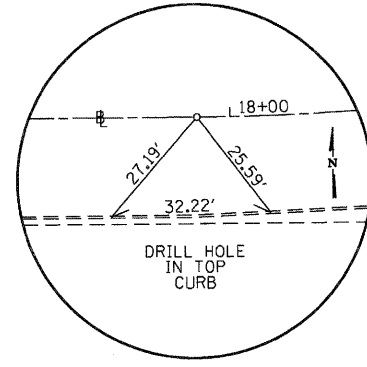
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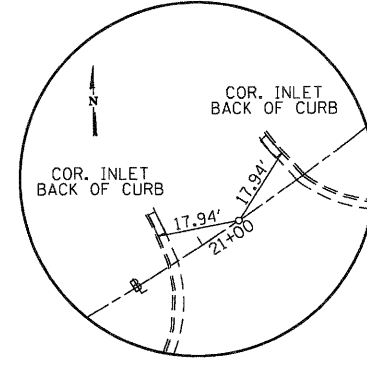
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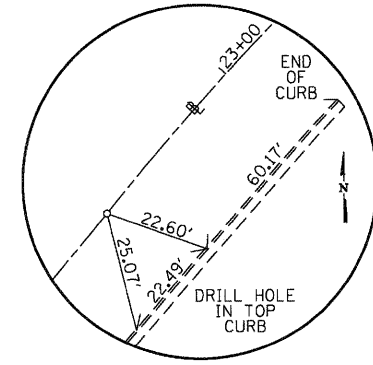
PT STA. 9+38.87
IRON PIPE



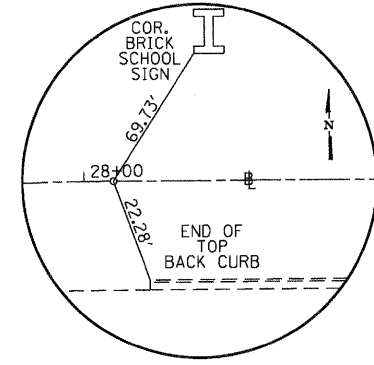
PC STA. 17+92.98
IRON PIPE



PC STA. 21+09.30
MAG NAIL



PRC STA. 22+61.25
IRON PIPE



PT STA. 28+06.20
IRON PIPE

GREENE & BRADFORD, INC.
OF SPRINGFIELD



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PLOT DRIVER = *PLOTTER*

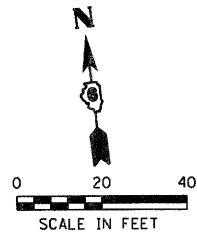
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CHECKED - GSK
DATE - 4/2/2012

REVISED -
REVISED -
REVISED -
REVISED -

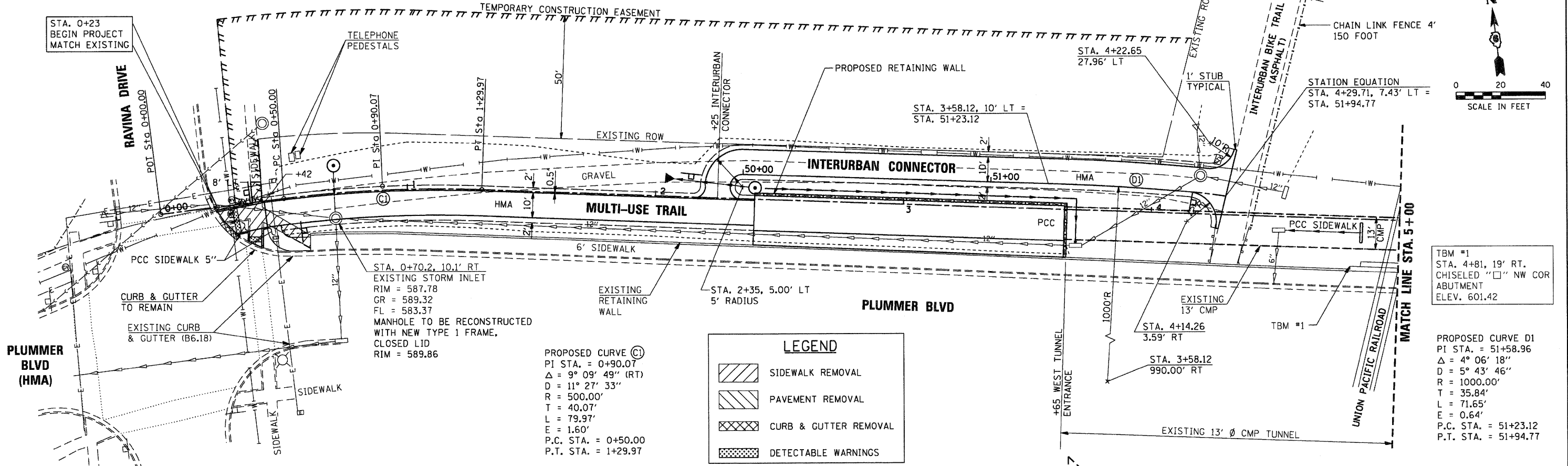
**PLUMMER BLVD MULTI-USE TRAIL
VILLAGE OF CHATHAM**

ALIGNMENT TIES
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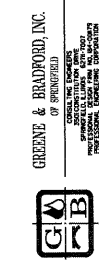
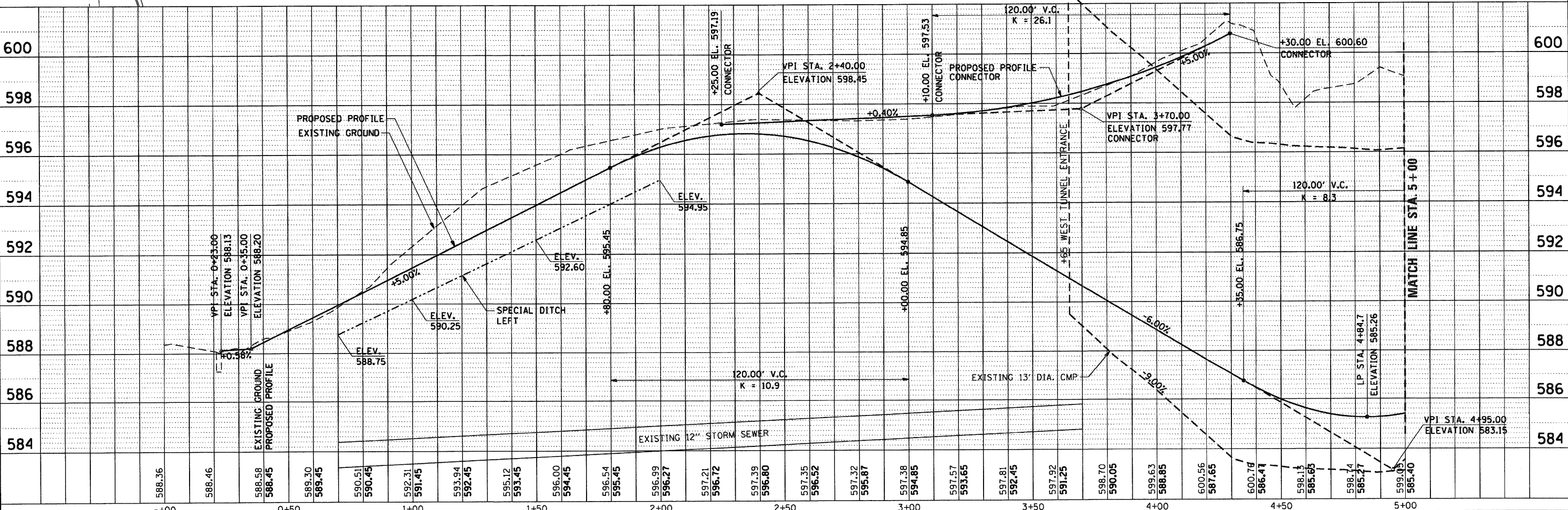
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* PLUMMER BLVD MULTI-USE TRAIL			CONTRACT NO. 93579	
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT TE-0006 11091	



PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	CHECKED	
	RT. OF WAY CHECKED	
	NO. CAD FILE NAME	



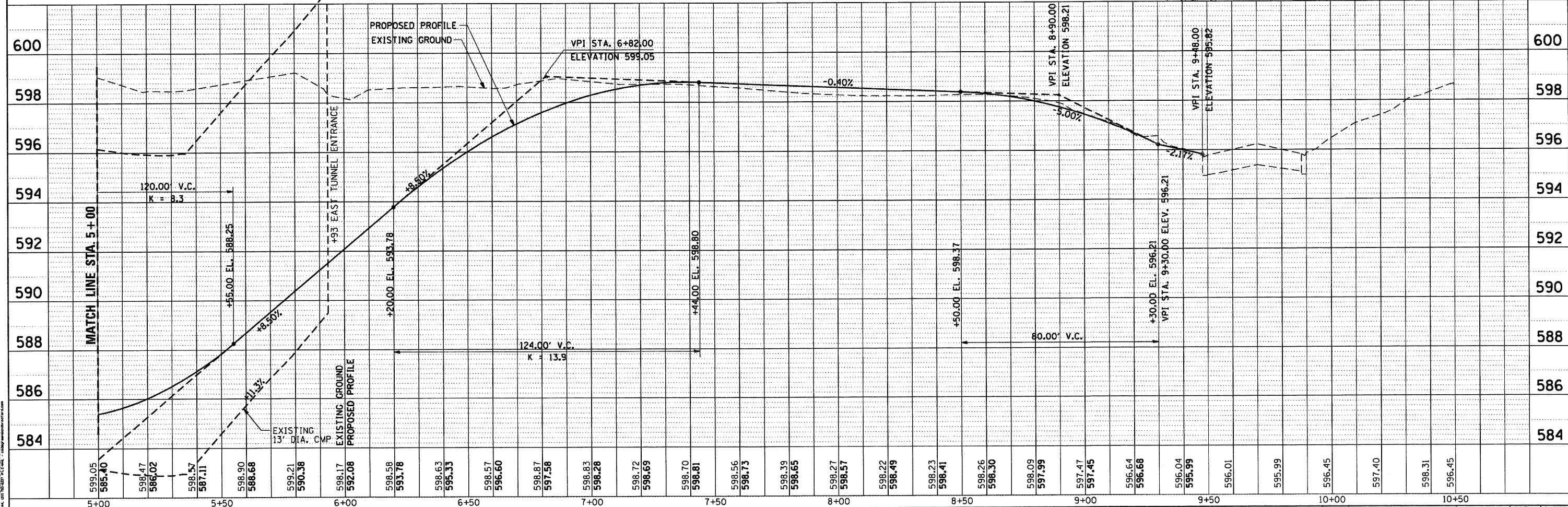
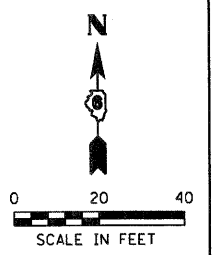
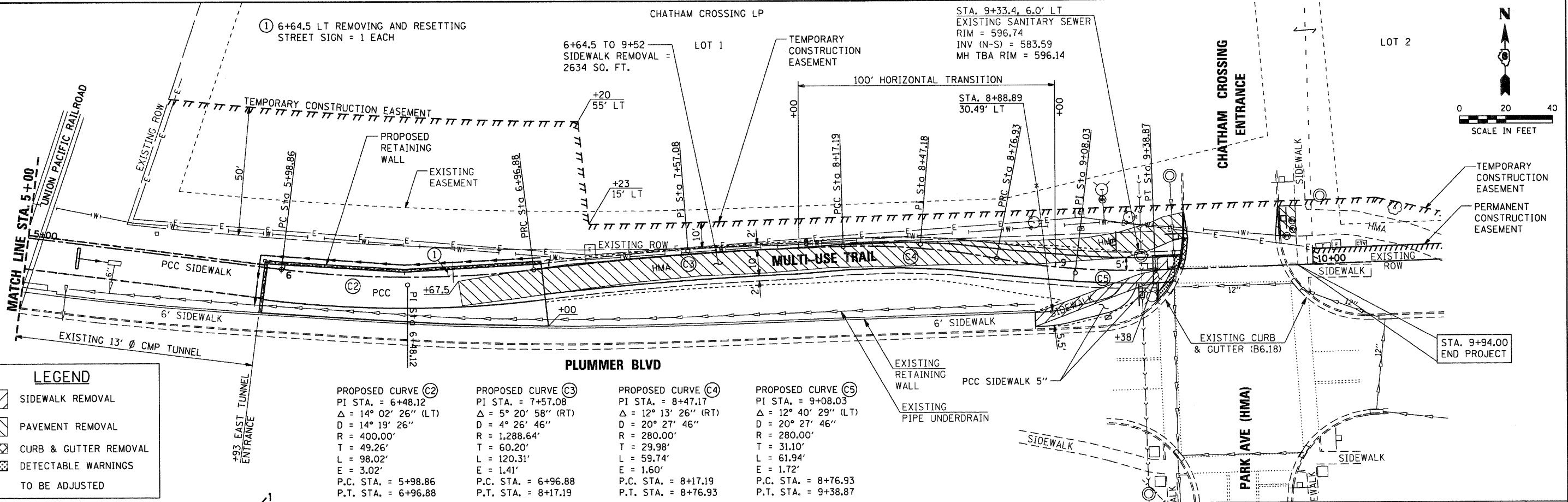
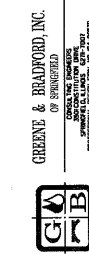
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	PLOTTED	BY
	GRADES CHECKED	
	NO. STRUCTURE NOTATIONS OK'D	



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PLOT SCALE = 40.0000' / in.	CHECKED - GSK	DRAWN - AJH	REVISED -			10-00030-00-BT	SANGAMON	29	7	
PLOT DATE = 4/6/2012	DATE - 4/2/2012	REVISOR -	REVISED -			PLUMMER BLVD MULTI-USE TRAIL	CONTRACT NO. 93579			
							ILLINOIS FED. AID PROJECT TE-0006 (109)			

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	FILE NAME	

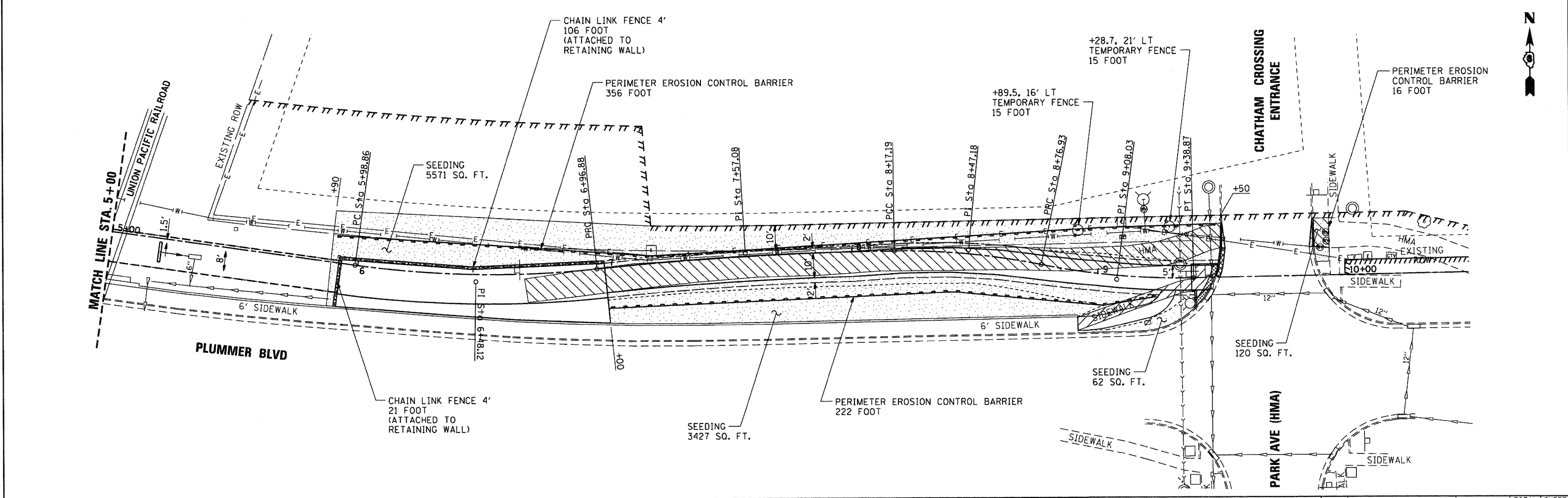
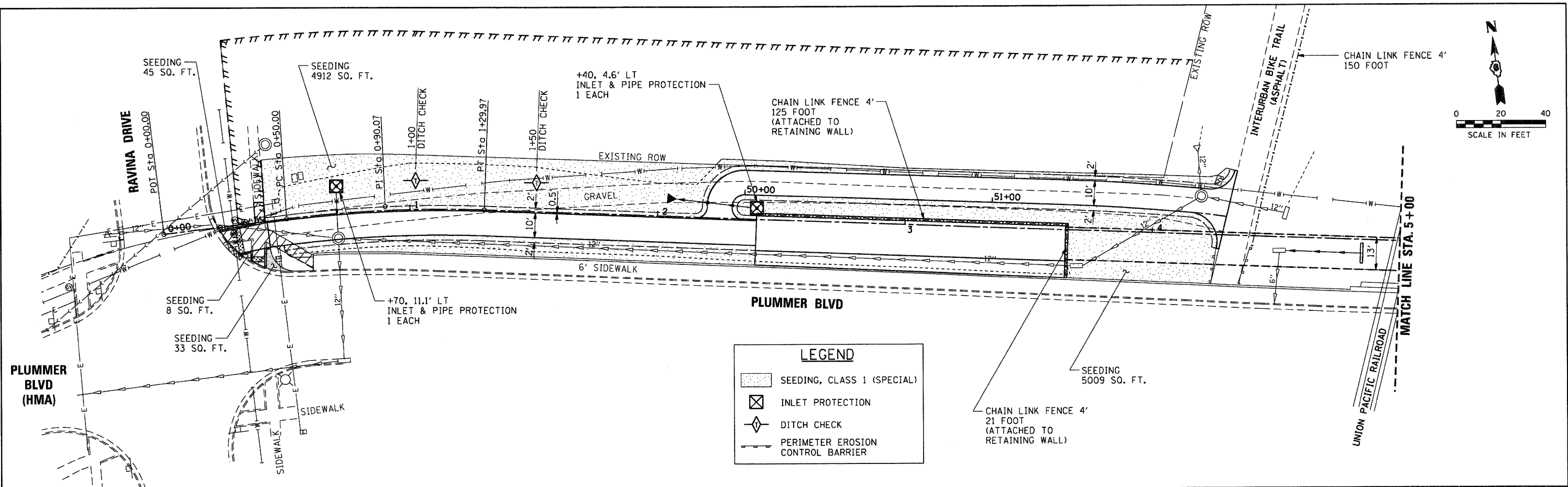
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PLOT DATE = 4/9/2012	DATE - 4/2/2012	REVISED -	* PLUMMER BLVD MULTI-USE TRAIL CONTRACT NO. 93579							
			ILLINOIS FED. AID PROJECT TE-006 (109)							

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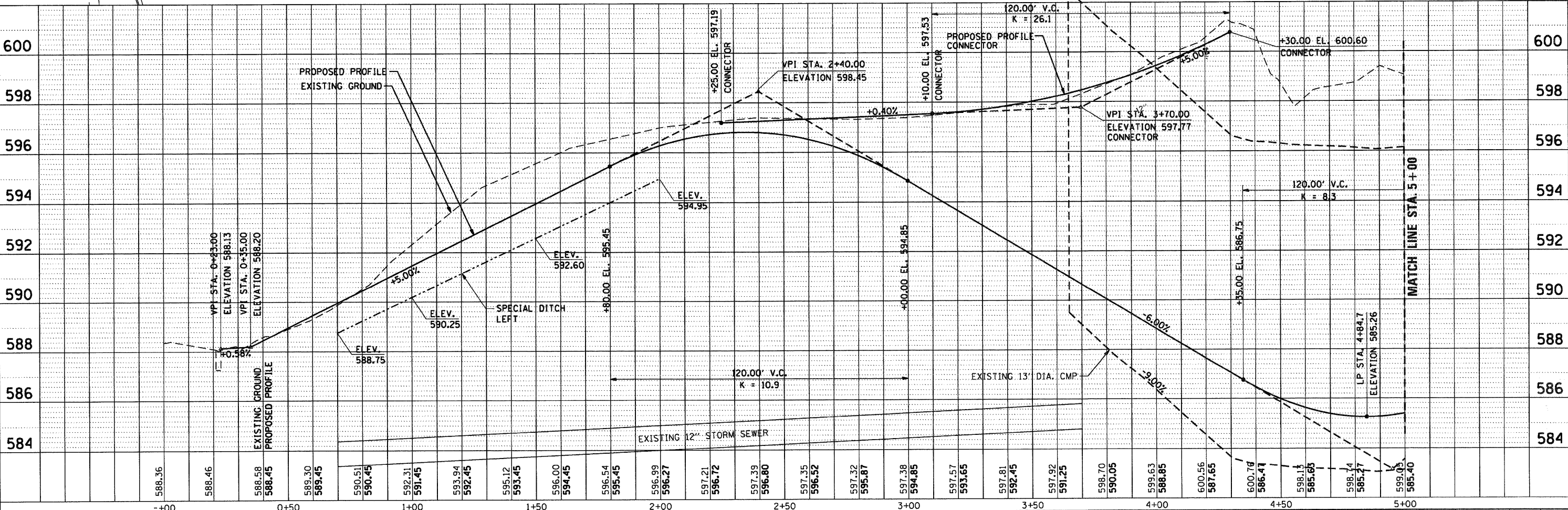
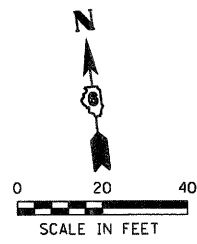
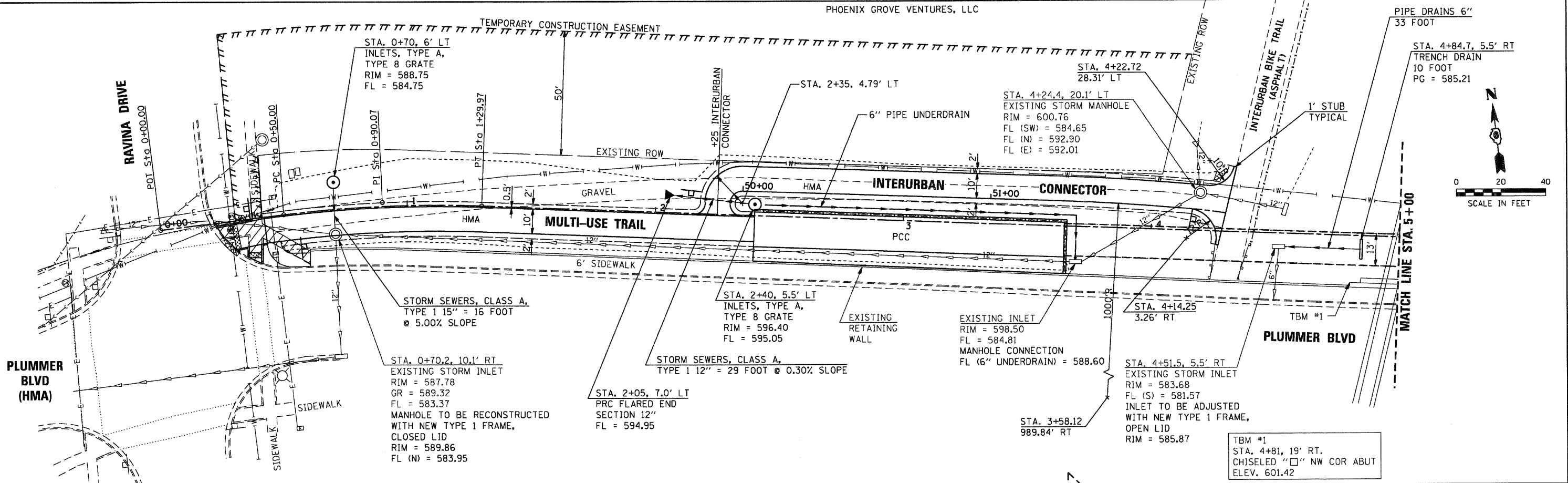
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	BY	
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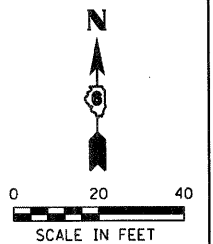
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PLOT SCALE = 40.0000' / 1"	CHECKED - GSK	DATE - 4/2/2012	REVISED -		SCALE: 20 FT/IN	SHEET NO. 1 OF 1 SHEETS	STA. 0+00 TO STA. 10+50	10-00030-00-BT	SANGAMON	29	9
								* PLUMMER BLVD MULTI-USE TRAIL		CONTRACT NO. 93579	
								ILLINOIS FED. AID PROJECT TE-0006 (109)			

PLAN	SURVEYED	DATE
	PLOTTED	
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	BY	
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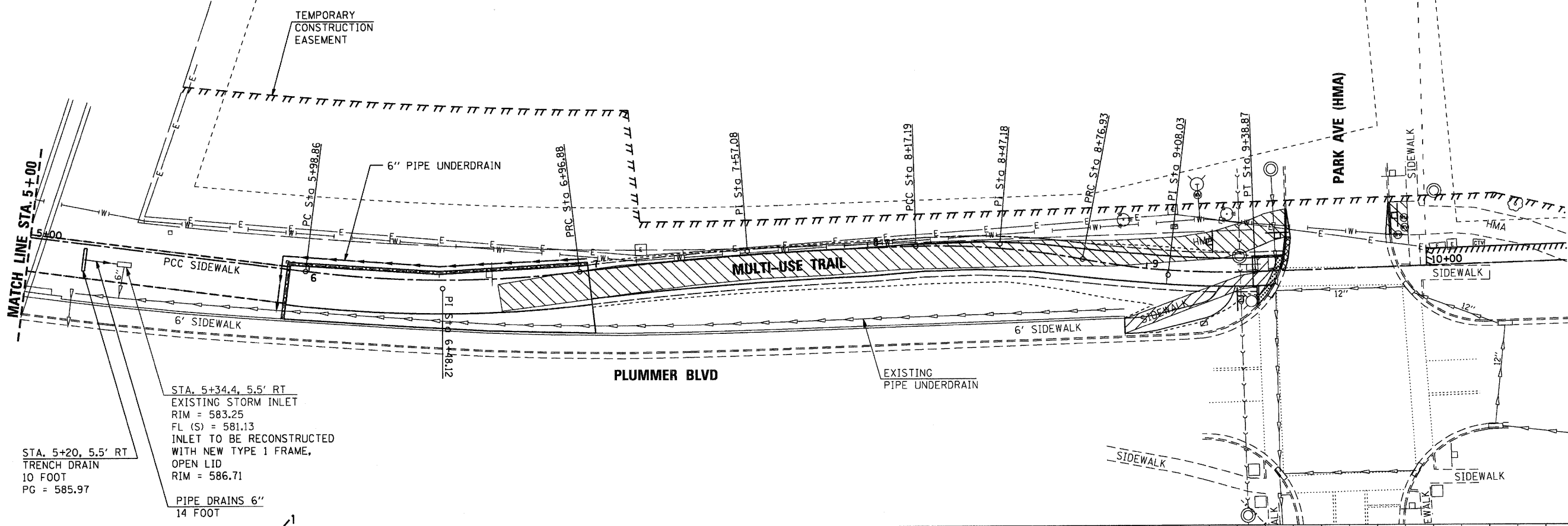
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PLOT DATE = 4/6/2012	DATE - 4/2/2012	REVISED -	PLUMMER BLVD MULTI-USE TRAIL			CONTRACT NO. 9 3 5 7 9				
			ILLINOIS FED. AID PROJECT TE-0006 (109)							



PLAN	SURVEYED	BY	DATE
	ALIGNED		
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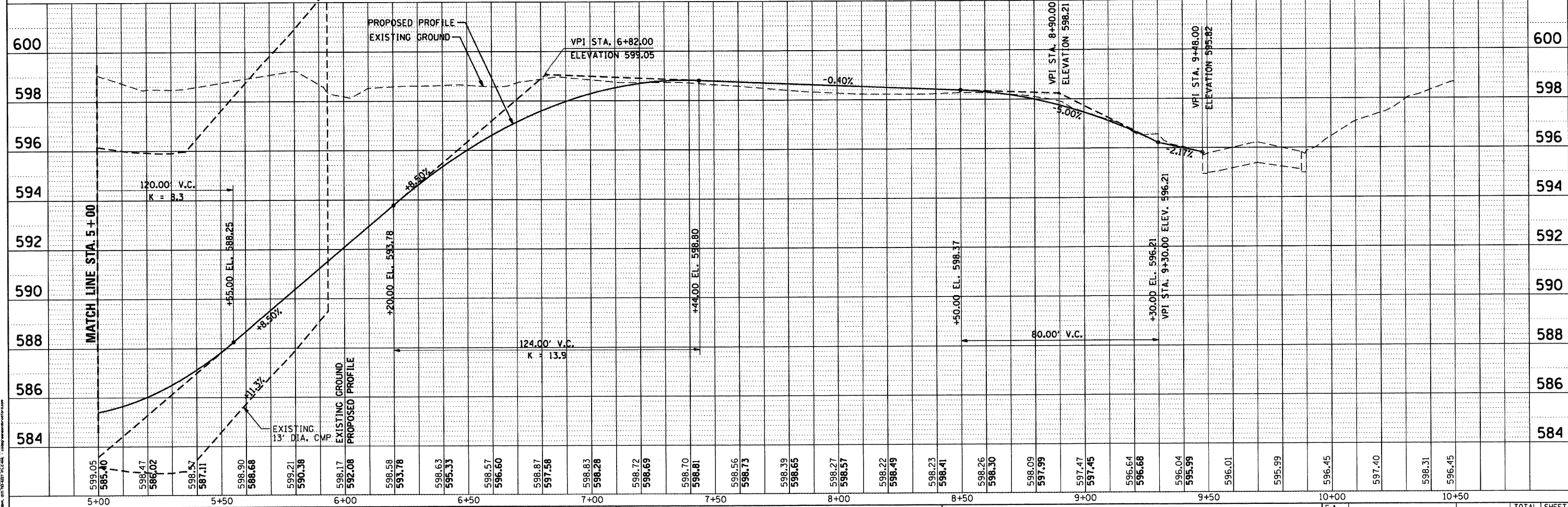


STA. 5+34.4, 5.5' RT
EXISTING STORM INLET
RIM = 583.25
FL (S) = 581.13
INLET TO BE RECONSTRUCTED
WITH NEW TYPE 1 FRAME,
OPEN LID
RIM = 586.71

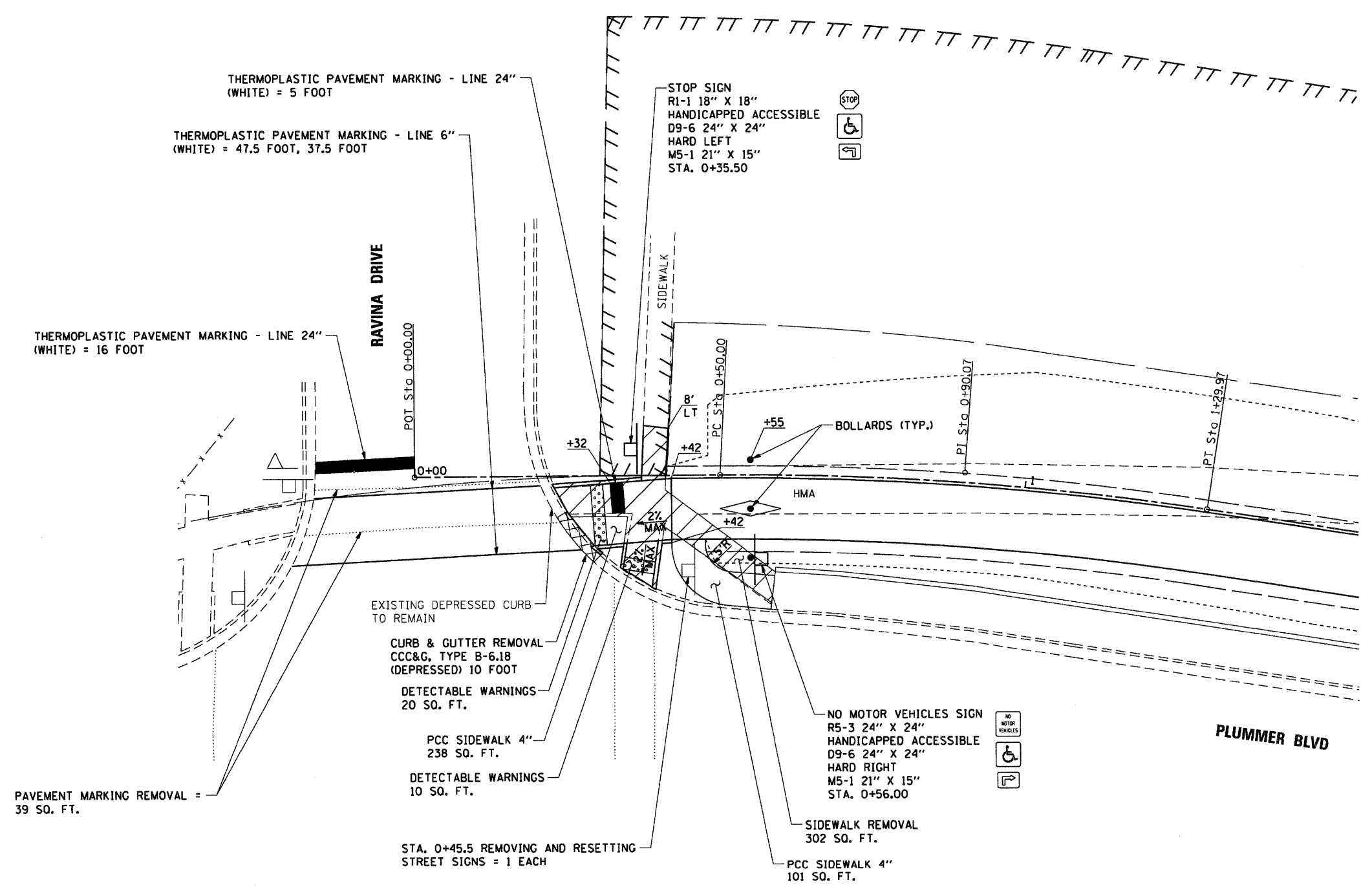
STA. 5+20, 5.5' RT
TRENCH DRAIN
10 FOOT
PG = 585.97

PIPE DRAINS 6"
14 FOOT

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



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PLOT SCALE = 40.0000' / 1in.	CHECKED - GSK	REVISED -	10-00030-00-BT			SANGAMON	29	10B		
PLOT DATE = 4/9/2012	DATE - 4/2/2012	REVISED -	* PLUMMER BLVD MULTI-USE TRAIL CONTRACT NO. 93579							
						ILLINOIS FED. AID PROJECT TE-0006 11091				



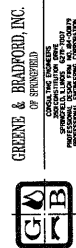
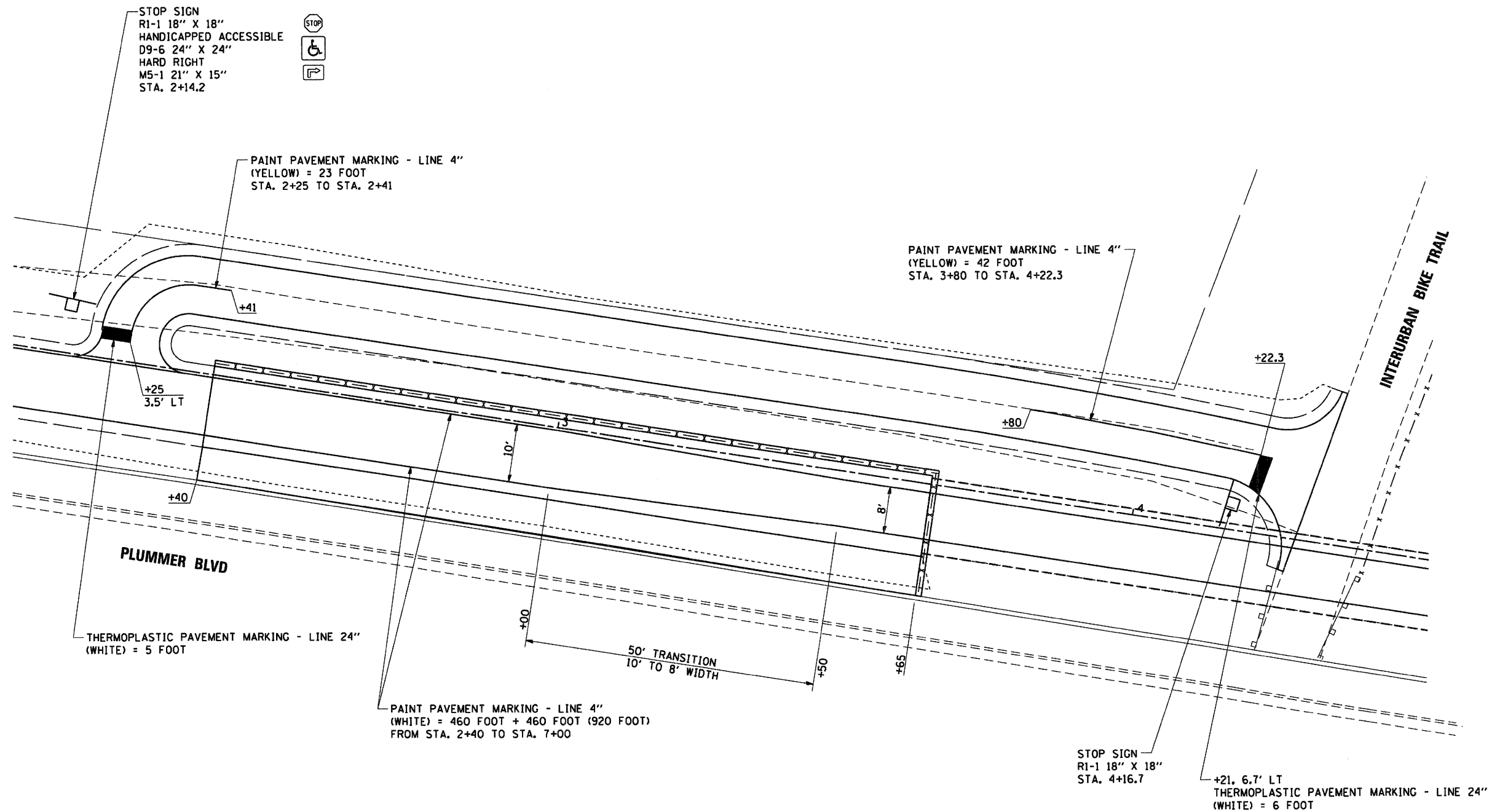
GREENE & BRADFORD, INC.
 CIVIL ENGINEERS
 1000 N. WASHINGTON ST.
 CHAMPAIGN, ILLINOIS 61820
 (309) 735-5844

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PLOT DATE = 4/6/2012	DATE - 4/2/2012		REVISED -

PLUMMER BLVD MULTI-USE TRAIL
VILLAGE OF CHATHAM

INTERSECTION DETAILS - RAVINA DRIVE	
SCALE: 10 FT/IN	SHEET NO. 1 OF 3 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	10-00030-00-BT	SANGAMON	29	11
• PLUMMER BLVD MULTI-USE TRAIL			CONTRACT NO. 3579	
ILLINOIS FED. AID PROJECT TE-0006 (109)				



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PLOT DATE = 4/6/2012	DATE - 4/2/2012		REVISED -

**PLUMMER BLVD MULTI-USE TRAIL
VILLAGE OF CHATHAM**

INTERSECTION DETAILS - CONNECTOR

SCALE: 10 FT/IN SHEET NO. 2 OF 3 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-00030-00-BT	SANGAMON	29	12
* PLUMMER BLVD MULTI-USE TRAIL			CONTRACT NO. 93579	
[ILLINOIS] FED. AID PROJECT TE-0006 (109)				

THERMOPLASTIC PAVEMENT MARKING - LINE 24"
(WHITE) = 17 FOOT

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
10 FOOT (GUTTER PAN WIDTH VARIES FROM 18" TO 0")

STOP SIGN
R1-1 RELOCATED
STA. 9+47.1

PCC SIDEWALK 4"
119 SQ. FT.

BOLLARDS (TYP.)

STA. 9+36.9 REMOVING AND RESETTING
STREET SIGNS = 1 EACH



NO MOTOR VEHICLES SIGN
R5-3 24" X 24"



HANDICAPPED ACCESSIBLE
D9-6 24" X 24"



HARD LEFT
M5-1 21" X 15"

STA. 9+22

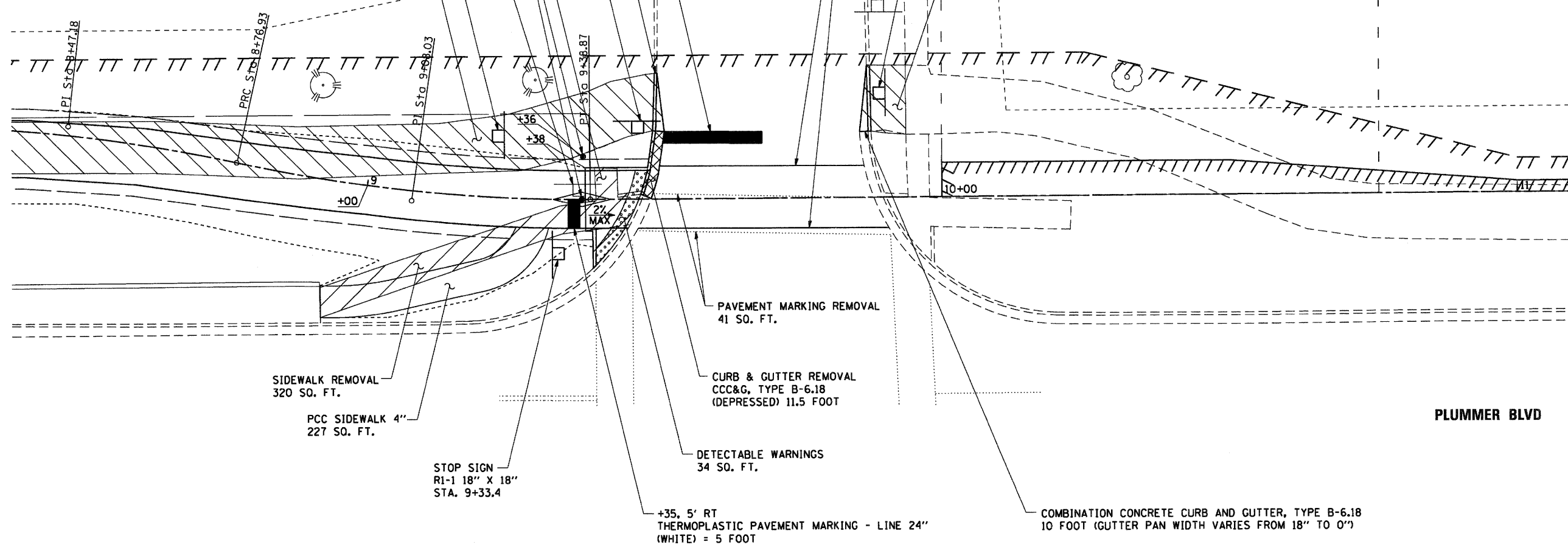
SIDEWALK REMOVAL
2634 SQ. FT.

THERMOPLASTIC PAVEMENT MARKING - LINE 6"
(WHITE) = 35.5 FOOT, 43.5 FOOT

USE CROSSWALK SIGN
R9-3B 18" X 12"
STA. 9+92, 18' LT

SIDEWALK REMOVAL
87 SQ. FT.

PARK AVE



SIDEWALK REMOVAL
320 SQ. FT.

PCC SIDEWALK 4"
227 SQ. FT.

STOP SIGN
R1-1 18" X 18"
STA. 9+33.4

PAVEMENT MARKING REMOVAL
41 SQ. FT.

CURB & GUTTER REMOVAL
CCC&G, TYPE B-6.18
(DEPRESSED) 11.5 FOOT

DETECTABLE WARNINGS
34 SQ. FT.

+35, 5' RT
THERMOPLASTIC PAVEMENT MARKING - LINE 24"
(WHITE) = 5 FOOT

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
10 FOOT (GUTTER PAN WIDTH VARIES FROM 18" TO 0")

PLUMMER BLVD

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
1001 N. WASHINGTON ST., SUITE 100
CHAMPAIGN, ILLINOIS 61820
PHONE: 219.244.1111 FAX: 219.244.1112
WWW.GREENE-AND-BRADFORD.COM



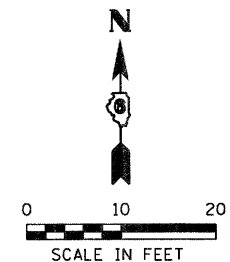
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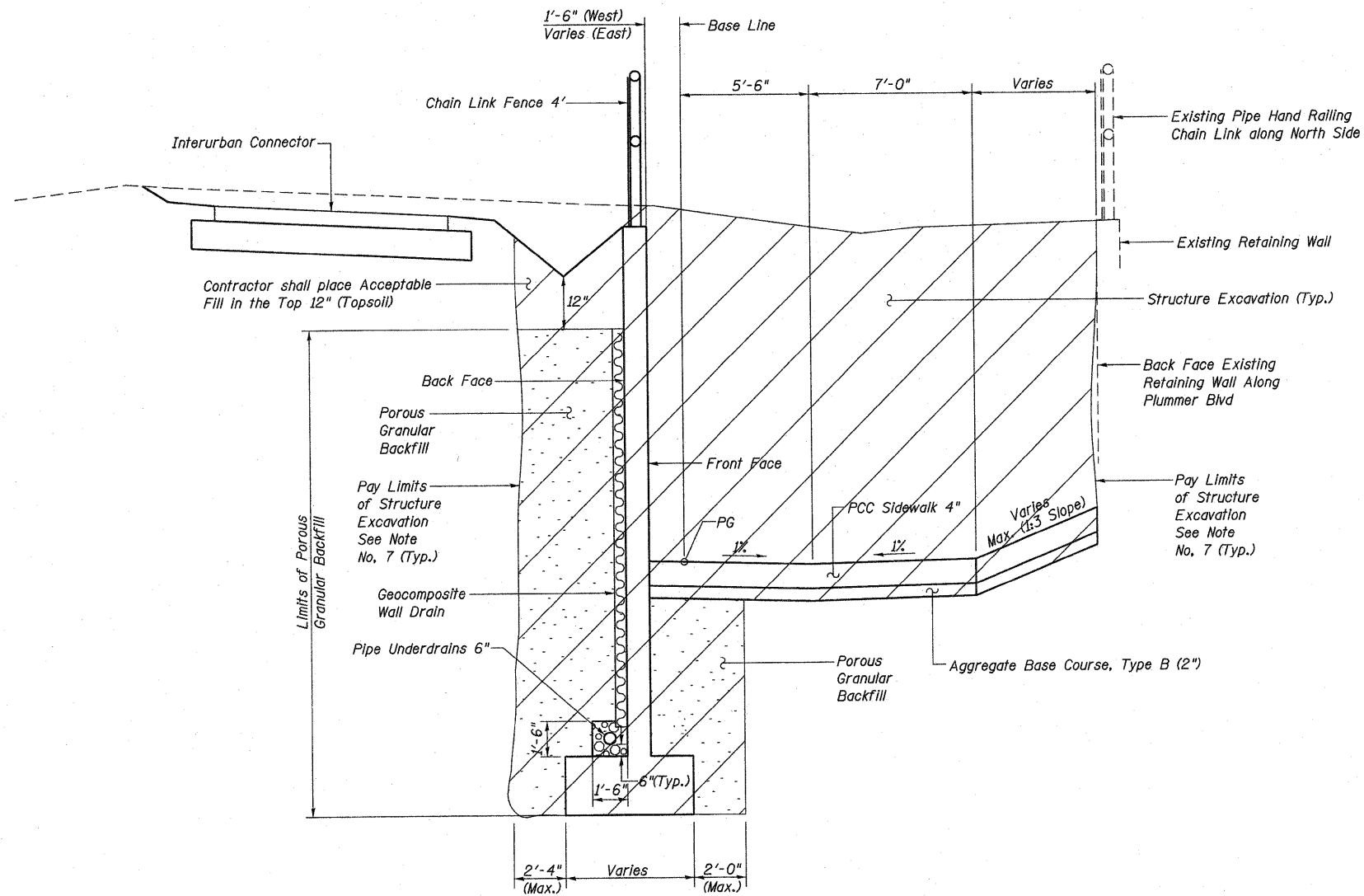
**PLUMMER BLVD MULTI-USE TRAIL
VILLAGE OF CHATHAM**

INTERSECTION DETAILS - PARK AVE

SCALE: 10 FT/IN SHEET NO. 3 OF 3 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-00030-00-BT	SANGAMON	29	13
* PLUMMER BLVD MULTI-USE TRAIL			CONTRACT NO. 9 3 5 7 9	
[ILLINOIS] FED. AID PROJECT TE-0006 (109)				





TYPICAL SECTION THRU WALL
(Showing Backfill)

GENERAL NOTES

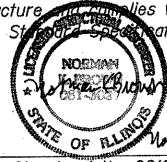
1. Concrete shall conform to the specification for Concrete Class SI as described in the Standard Specifications. Minimum 28 day compressive strength shall be 3500 p.s.i.
2. Reinforcement bars shall conform to the requirements of ASTM A706 Grade 60.
3. Reinforcement bars shall be clean and free of grease and scaling rust.
4. Reinforcement bar bending dimensions are out to out.
5. Porous Granular Backfill shall be placed behind all retaining walls. Material shall conform to Section 209 of the Standard Specifications except the coarse Aggregate Backfill shall be CA6 (Article 1004.05 c(4)). No backfill shall be placed until the concrete has attained its specified strength.
6. Porous Granular Backfill shall not be dumped into place. Backfill shall be placed by mechanical means.
7. It will be the Contractors responsibility to provide excavation protection to maintain limits of Structure Excavation as specified. If slopes are to be laid back, adequate benching detail shall be approved by the engineer. Earth backfill shall be brought up simultaneously with the Porous Granular Backfill. This work will be included in the contract unit price for Structure Excavation and no additional compensation will be allowed.

TOTAL BILL OF MATERIAL

ITEM	UNIT	WEST WALL	EAST WALL	TOTAL
Porous Granular Backfill	Cu. Yd.	192.8	210	402.8
Structure Excavation	Cu. Yd.	629	555	1,184
Concrete Structures	Cu. Yd.	64.1	57.5	121.6
Reinforcement Bars	Lbs.	7,660	6,860	14,520
* Chain Link Fence 4'	Foot	146	126	272
* Pipe Underdrains 6"	Foot	146	140	286
Geocomposite Wall Drain	Sq. Yd.	87.73	85.23	172.96

* See Special Provision

I certify that to the best of knowledge, information and belief, this retaining wall 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 Standard Specifications for Highway Bridges.



Norman K. Brown
Illinois Structural No. 081003027
(Expires 11/30/2012)

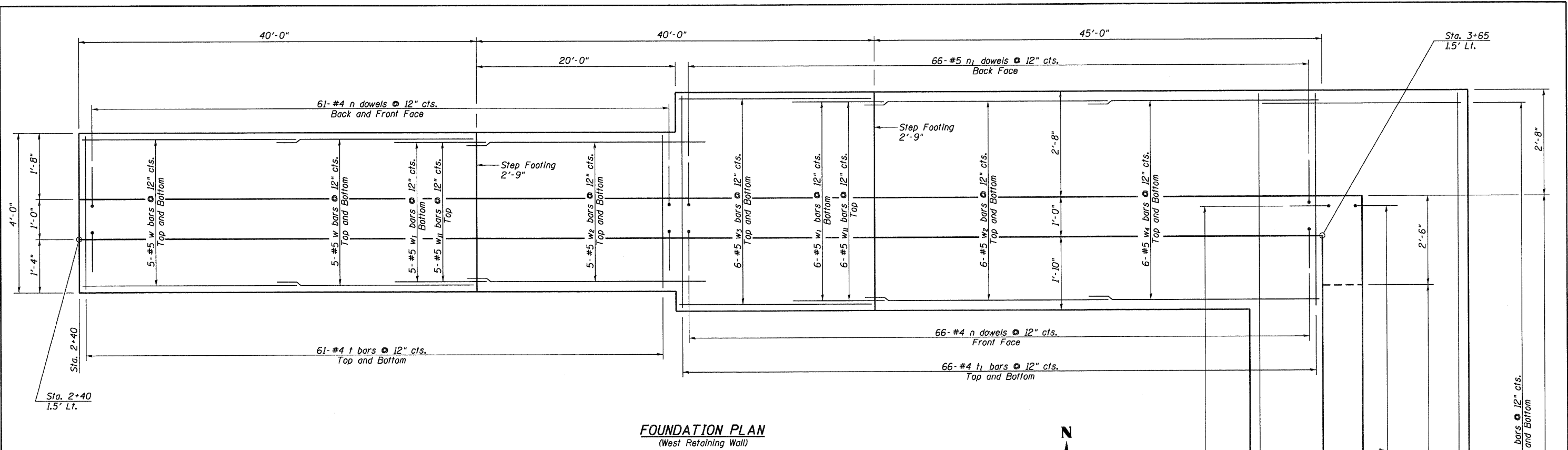
4/9/12
(Date)

RETAINING WALL
GENERAL NOTES AND DETAILS
SECTION 10-00030-00-BT
SANGAMON COUNTY

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
1001 W. MONROE ST., SUITE 100
SPRINGFIELD, ILLINOIS 62761
TEL: 217-223-8800 FAX: 217-223-8801
WWW.GREENE-AND-BRADFORD.COM



FILE NAME = J:\10001.22\CADD\CADD Sheets\Retaining	USER NAME = amandah	DESIGNED - NB	REVISED -	PLUMMER BLVD MULTI-USE TRAIL VILLAGE OF CHATHAM	RETAINING WALLS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	11\plan.dgn	DRAWN - AJH	REVISED -			*	10-00030-00-BT	SANGAMON	29	14	
	PLOT SCALE = 10.0000' / 1"	CHECKED - WCB	REVISED -			* PLUMMER BLVD MULTI-USE TRAIL CONTRACT NO. 93579					
	PLOT DATE = 4/9/2012	DATE - 4/9/12	REVISED -			[ILLINOIS] FED. AID PROJECT TE-0006 (109)					
SCALE: NTS					SHEET NO. 1 OF 8 SHEETS						



FOUNDATION PLAN
(West Retaining Wall)

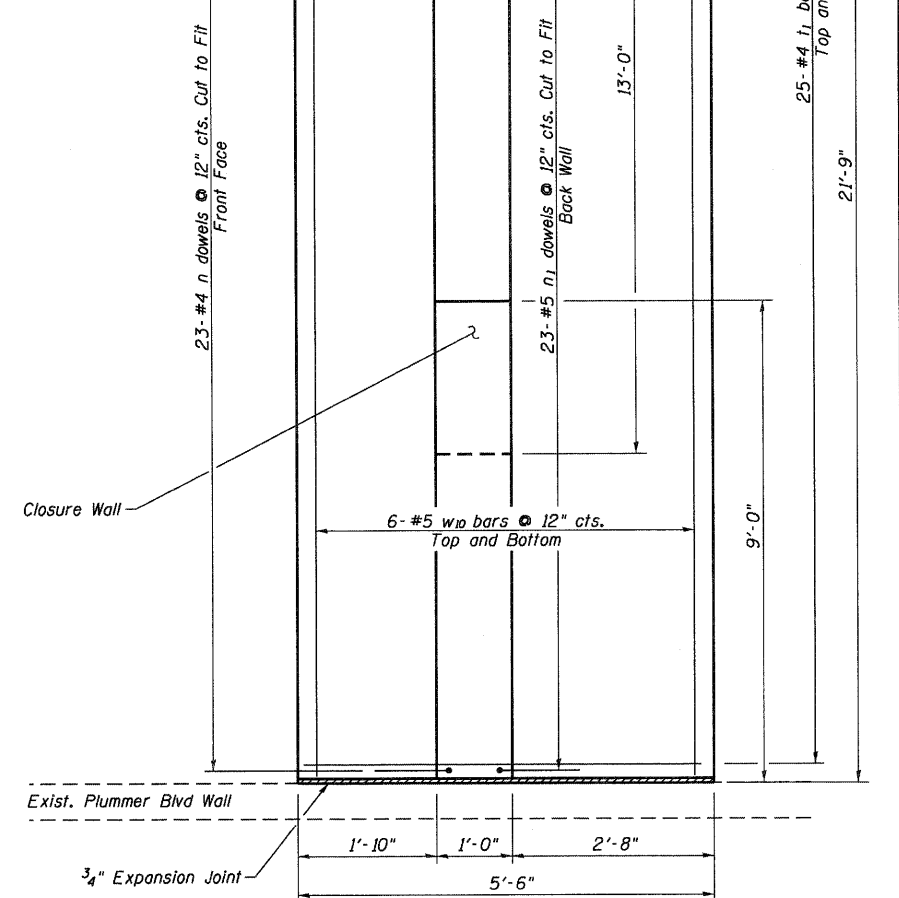


WEST RETAINING WALL
BILL OF MATERIAL

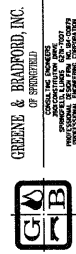
BAR	NO.	SIZE	LENGTH	SHAPE
h	44	#4	21'-4"	—
h ₁	40	#4	23'-10"	—
h ₅	14	#4	21'-5"	—
h ₆	10	#4	25'-2"	—
h ₇	10	#4	24'-2"	—
v	82	#4	3'-5"	—
v ₁	82	#4	6'-2"	—
v ₂	46	#5	8'-11"	—
v ₃	46	#4	8'-11"	—
v ₈	23	#5	15'-4"	—
v ₉	23	#4	15'-4"	—
n	211	#4	3'-9"	—
n ₁	89	#5	4'-3"	—
n ₂	21	#4	1'-0"	—
o	4	#5	24'-6"	⤿
t	122	#4	3'-8"	—
t ₁	182	#4	5'-2"	—

WEST RETAINING WALL
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
w	20	#5	21'-4"	—
w ₁	11	#5	9'-11"	—
w ₂	22	#5	24'-0"	—
w ₃	12	#5	19'-8"	—
w ₄	12	#5	24'-10"	—
w ₁₀	12	#5	24'-1"	—
w ₁₁	11	#5	8'-9"	—
Porous Granular Backfill			Cu. Yd.	192.8
Structure Excavation			Cu. Yd.	629
Concrete Structures			Cu. Yd.	64.1
Reinforcement Bars			Lbs.	7,660
Chain Link Fence 4'			Foot	146
Pipe Underdrains 6"			Lin. Foot	146
Geocomposite Wall Drain			Sq. Yd.	87.73



FOUNDATION PLAN
SECTION 10-00030-00-BT
SANGAMON COUNTY
WEST RETAINING WALL



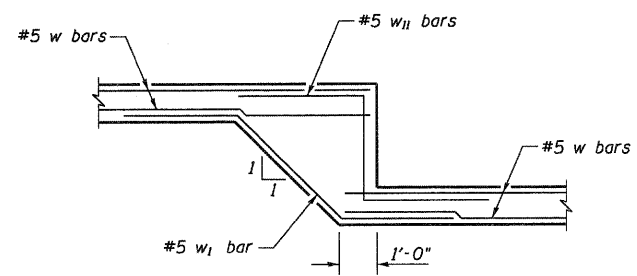
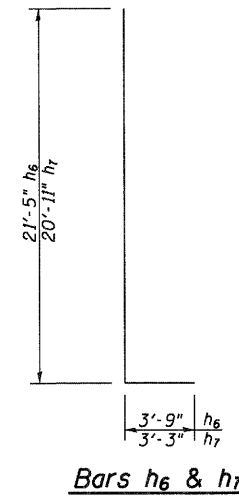
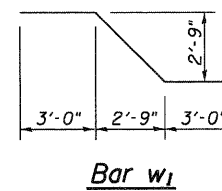
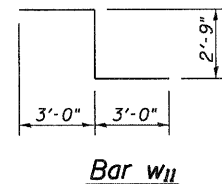
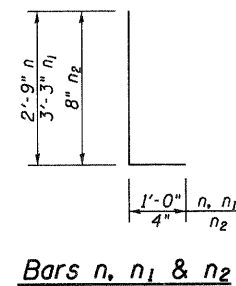
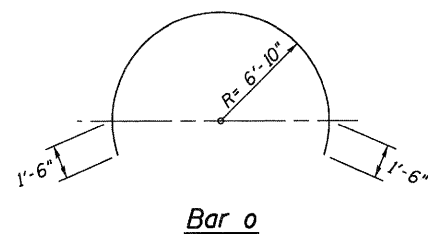
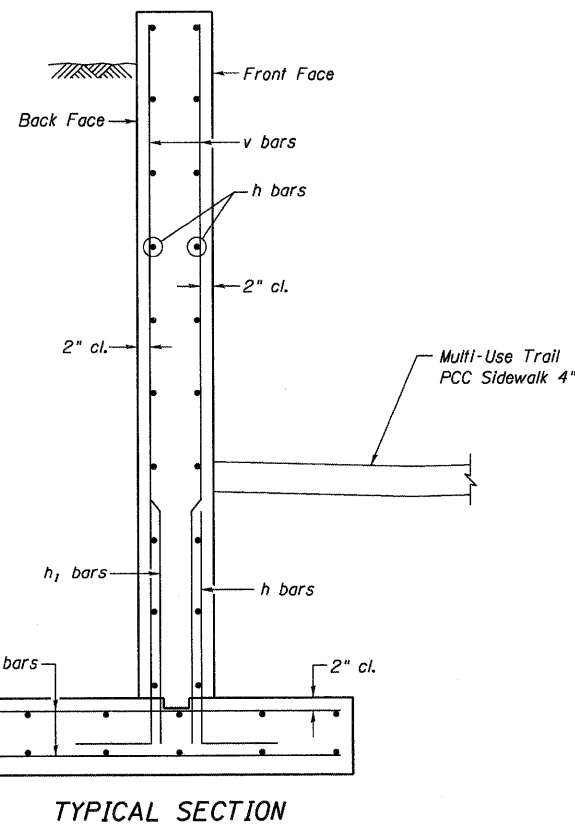
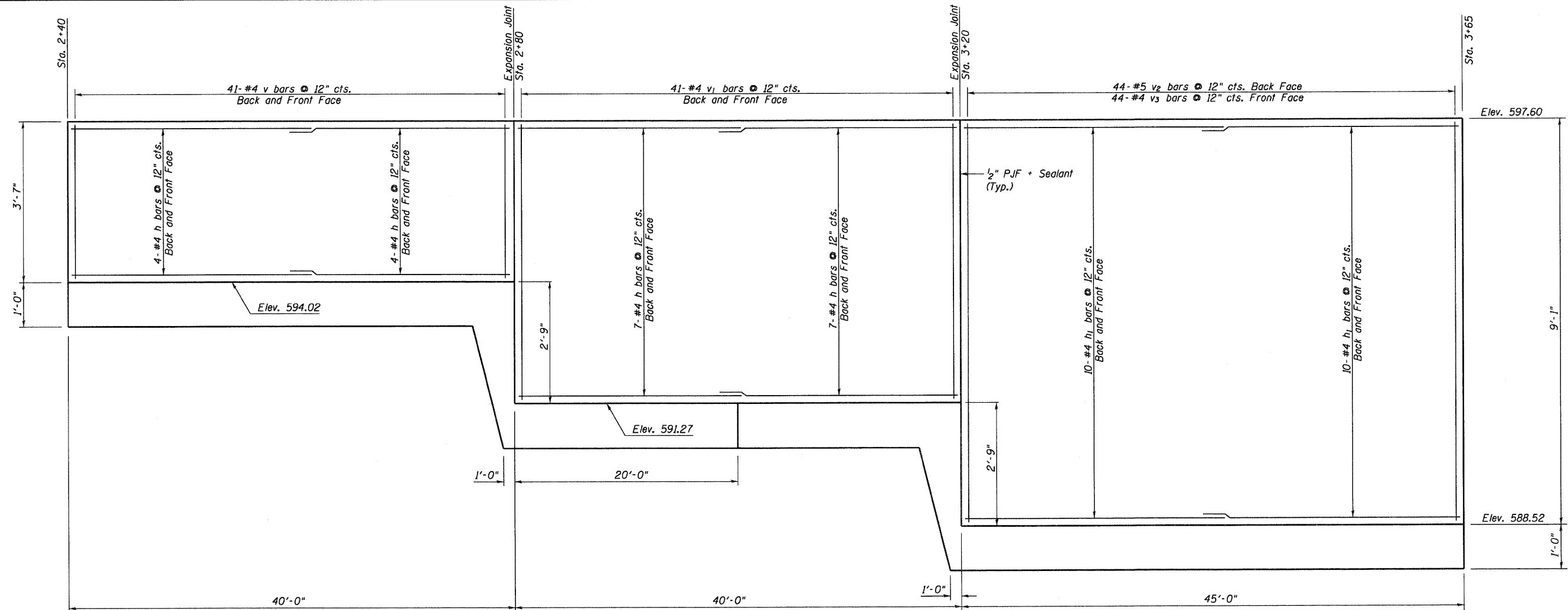
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PLOT DATE = 4/9/2012	DATE = 4/9/12		REVISED -

PLUMMER BLVD MULTI-USE TRAIL
VILLAGE OF CHATHAM

PLAN - WEST RETAINING WALL

SCALE: NTS SHEET NO. 2 OF 8 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-00030-00-BT	SANGAMON	29	15
* PLUMMER BLVD MULTI-USE TRAIL			CONTRACT NO. 93579	
[ILLINOIS] FED. AID PROJECT TE-0006 (109)				



Bar Laps: #4 bar 2'-5" Min.
#5 bar 3'-0" Min.

ELEVATION
(West Retaining Wall)

STEP FOOTING DETAIL

ELEVATION
SECTION 10-00030-00-BT
SANGAMON COUNTY
WEST RETAINING WALL

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
1001 N. WASHINGTON ST., SUITE 200
CHAMPAIGN, ILLINOIS 61820
PHONE: 217/244-1111 FAX: 217/244-1112
WWW.GRENE-AND-BRADFORD.COM

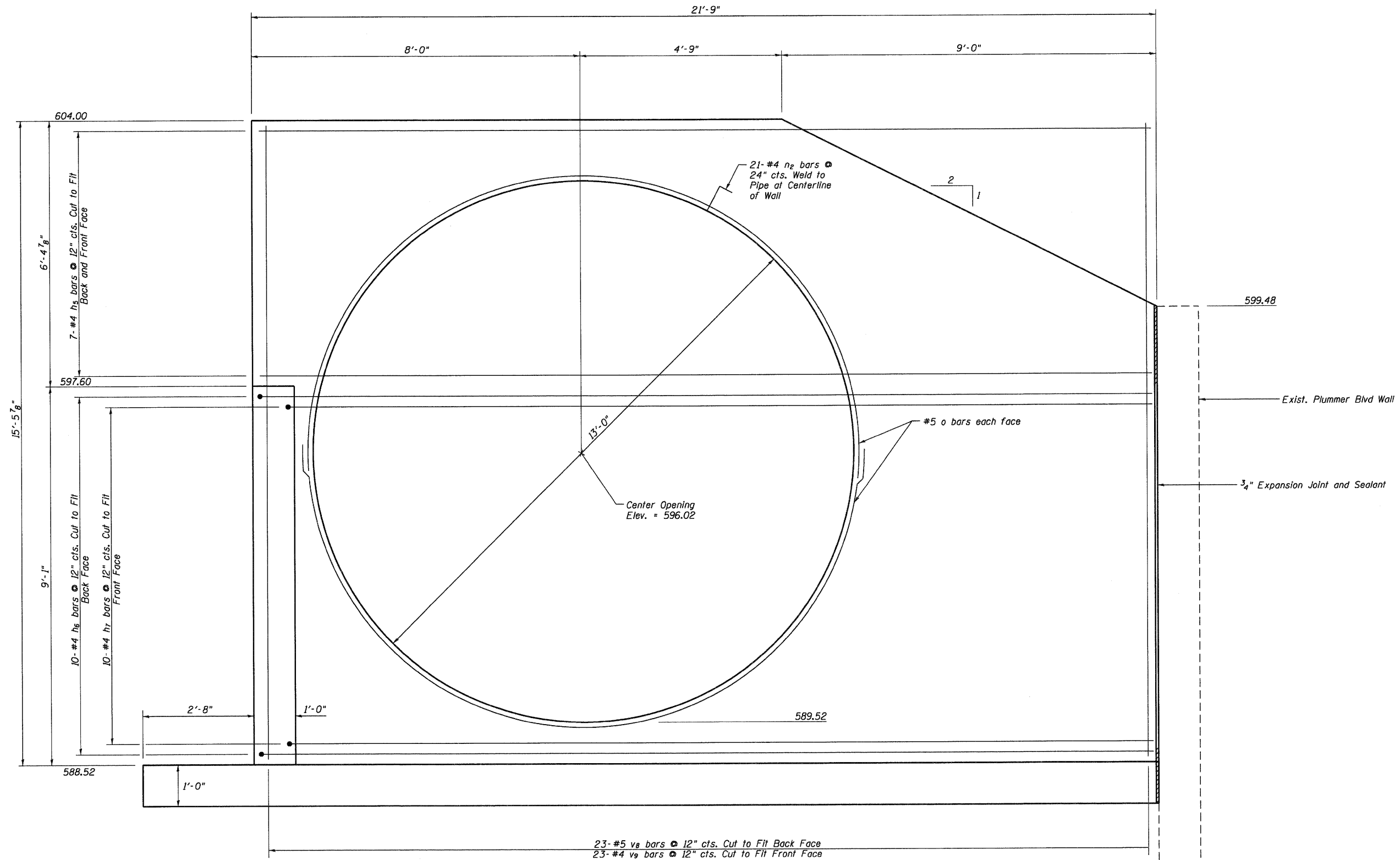
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PLOT DATE = 4/9/2012	DATE - 4/9/12		REVISED -

PLUMMER BLVD MULTI-USE TRAIL
VILLAGE OF CHATHAM

ELEVATION - WEST RETAINING WALL

SCALE: NTS SHEET NO. 3 OF 8 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00030-00-BT	SANGAMON	29	16
PLUMMER BLVD MULTI-USE TRAIL			CONTRACT NO. 93579	
[ILLINOIS] FED. AID PROJECT TE-0006 (109)				



WEST CLOSURE WALL
(Looking East)

SECTION 10-00030-00-BT
SANGAMON COUNTY
WEST CLOSURE WALL

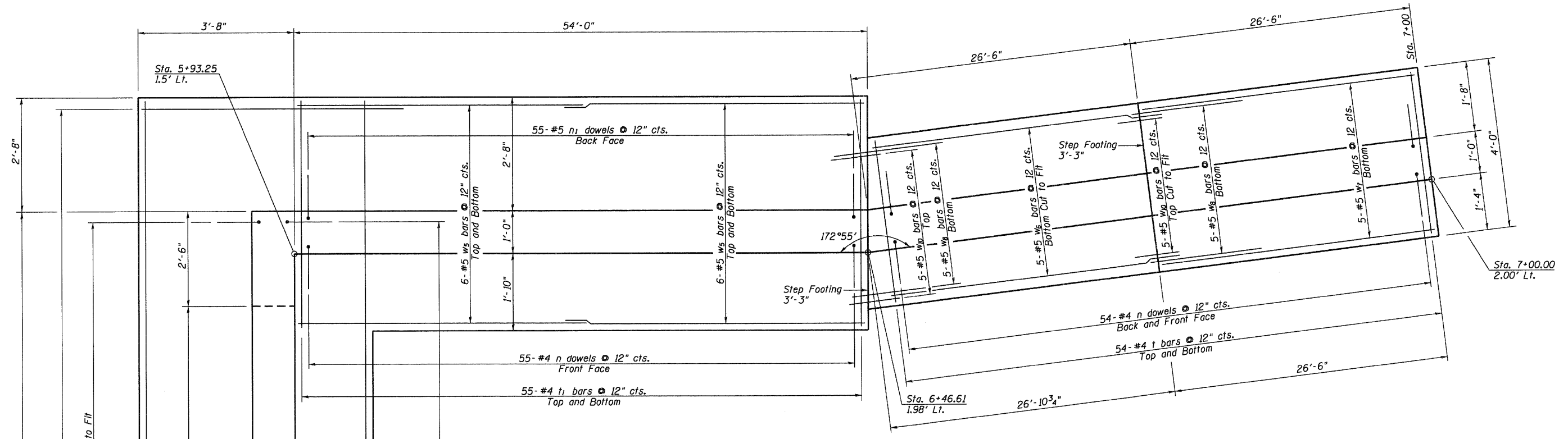
GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
1001 W. MONROE ST. SUITE 200
SPRINGFIELD, IL 62761
TEL: 217-223-1100
WWW.GRENEANDBRADFORD.COM

FILE NAME = J:\10001.22\CADD\CADD Sheets\Retaining Wall\plan.dgn	USER NAME = amandah	DESIGNED - NB	REVISED -
PLOT SCALE = 10.0000 / 1"	CHECKED - WCB	DRAWN - AJH	REVISED -
PLOT DATE = 4/9/2012	DATE - 4/9/12		REVISED -

PLUMMER BLVD MULTI-USE TRAIL
VILLAGE OF CHATHAM

END WALL - WEST RETAINING WALL
SCALE: NTS SHEET NO. 4 OF 8 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-00030-00-BT	SANGAMON	29	17
* PLUMMER BLVD MULTI-USE TRAIL			CONTRACT NO. 93579	
[ILLINOIS] FED. AID PROJECT TE-0006 (109)				



FOUNDATION PLAN
(East Retaining Wall)

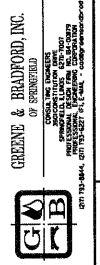
EAST RETAINING WALL
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h ₂	40	#4	28'-2"	—
h ₃	14	#4	26'-7"	—
h ₄	8	#4	26'-2"	—
h ₈	12	#4	19'-10"	—
h ₉	10	#4	23'-7"	—
h ₁₀	10	#4	22'-7"	—
v ₄	55	#5	9'-5"	—
v ₅	55	#4	9'-5"	—
v ₆	54	#4	6'-2"	—
v ₇	54	#4	2'-11"	—
v ₁₀	21	#5	14'-10"	—
v ₁₁	21	#4	14'-10"	—
n	184	#4	3'-9"	—
n ₁	76	#5	4'-3"	—
n ₂	21	#4	1'-0"	—
o	4	#5	24'-6"	—
t	108	#4	3'-8"	—
t ₁	158	#4	5'-2"	—

EAST RETAINING WALL
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
w ₅	24	#5	28'-11"	—
w ₆	10	#5	27'-8"	—
w ₇	10	#5	26'-2"	—
w ₈	10	#5	10'-7"	—
w ₉	12	#5	22'-6"	—
w ₁₀	10	#5	9'-3"	—
Porous Granular Backfill			Cu. Yd.	210
Structure Excavation			Cu. Yd.	555
Concrete Structures			Cu. Yd.	57.5
Reinforcement Bars			Lbs.	6,860
Chain Link Fence 4'			Foot	126
Pipe Underdrains 6"			Lin. Foot	140
Geocomposite Wall Drain			Sq. Yd.	85.23

FOUNDATION PLAN
SECTION 10-00030-00-BT
SANGAMON COUNTY
EAST RETAINING WALL



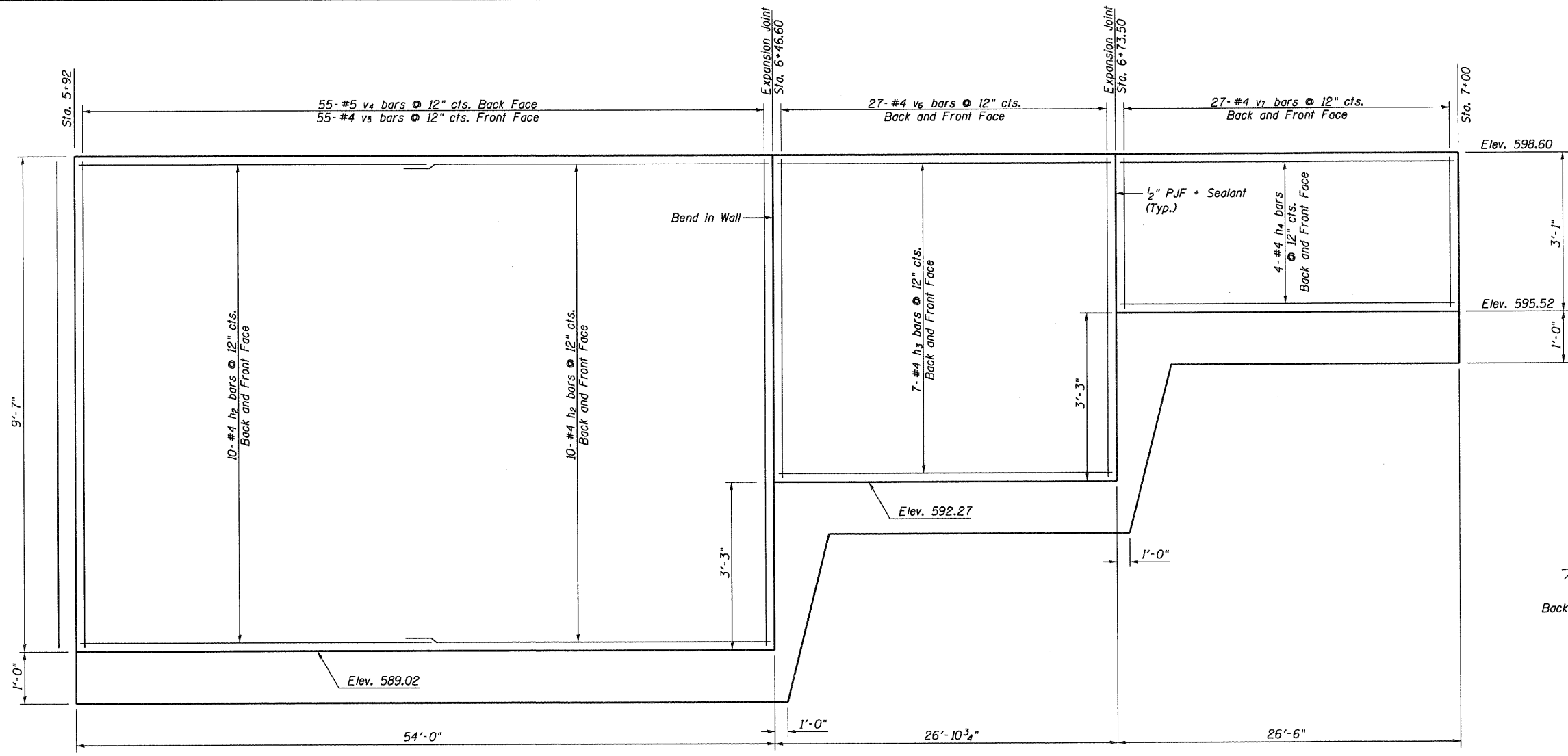
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		DATE - 4/9/12	REVISED -

PLUMMER BLVD MULTI-USE TRAIL
VILLAGE OF CHATHAM

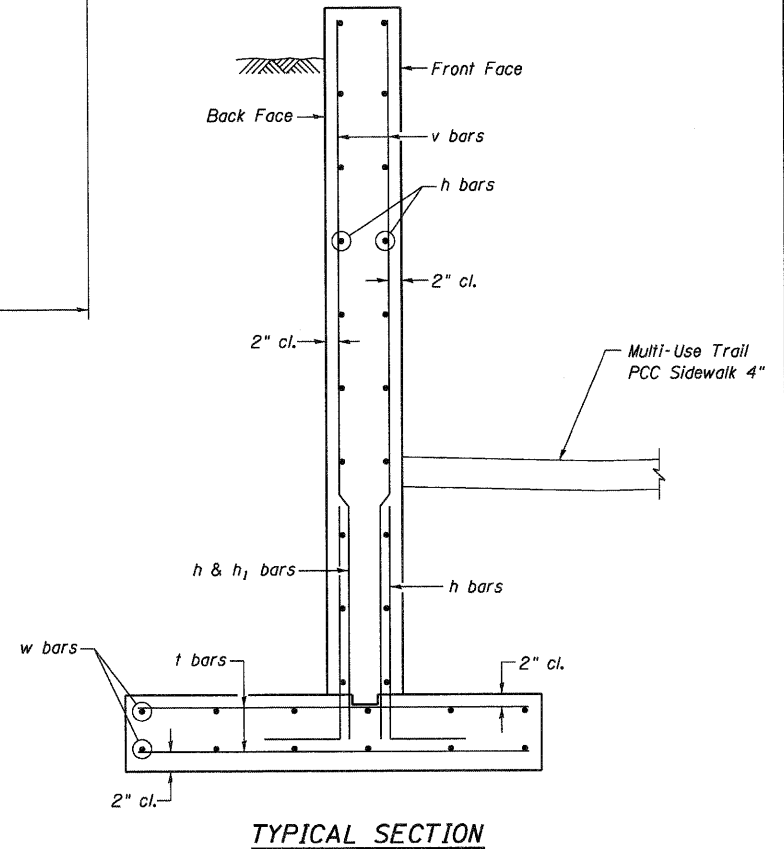
PLAN - EAST RETAINING WALL

SCALE: NTS SHEET NO. 5 OF 8 SHEETS

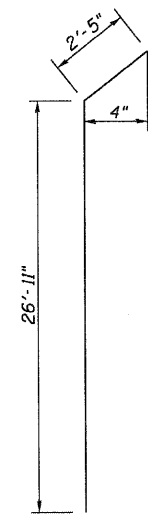
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•	10-00030-00-BT	SANGAMON	29	18
• PLUMMER BLVD MULTI-USE TRAIL			CONTRACT NO. 93578	
ILLINOIS FED. AID PROJECT TE-0006 (109)				



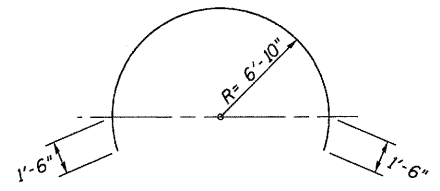
ELEVATION
(East Retaining Wall)



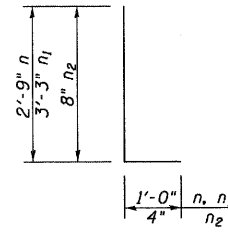
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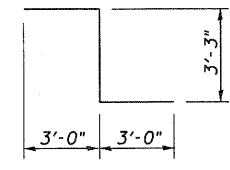
Bar h4



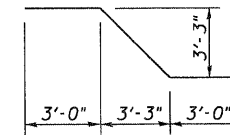
Bar o



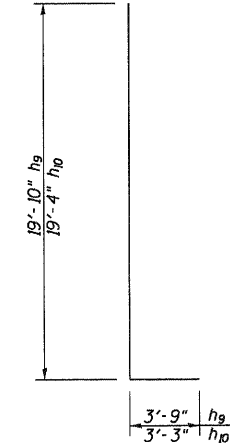
Bars n, n1 & n2



Bar w10



Bar w8



Bars h9 & h10

ELEVATION
SECTION 10-00030-00-BT
SANGAMON COUNTY
EAST RETAINING WALL

GREENE & BRADFORD, INC.
OF BRADFORD

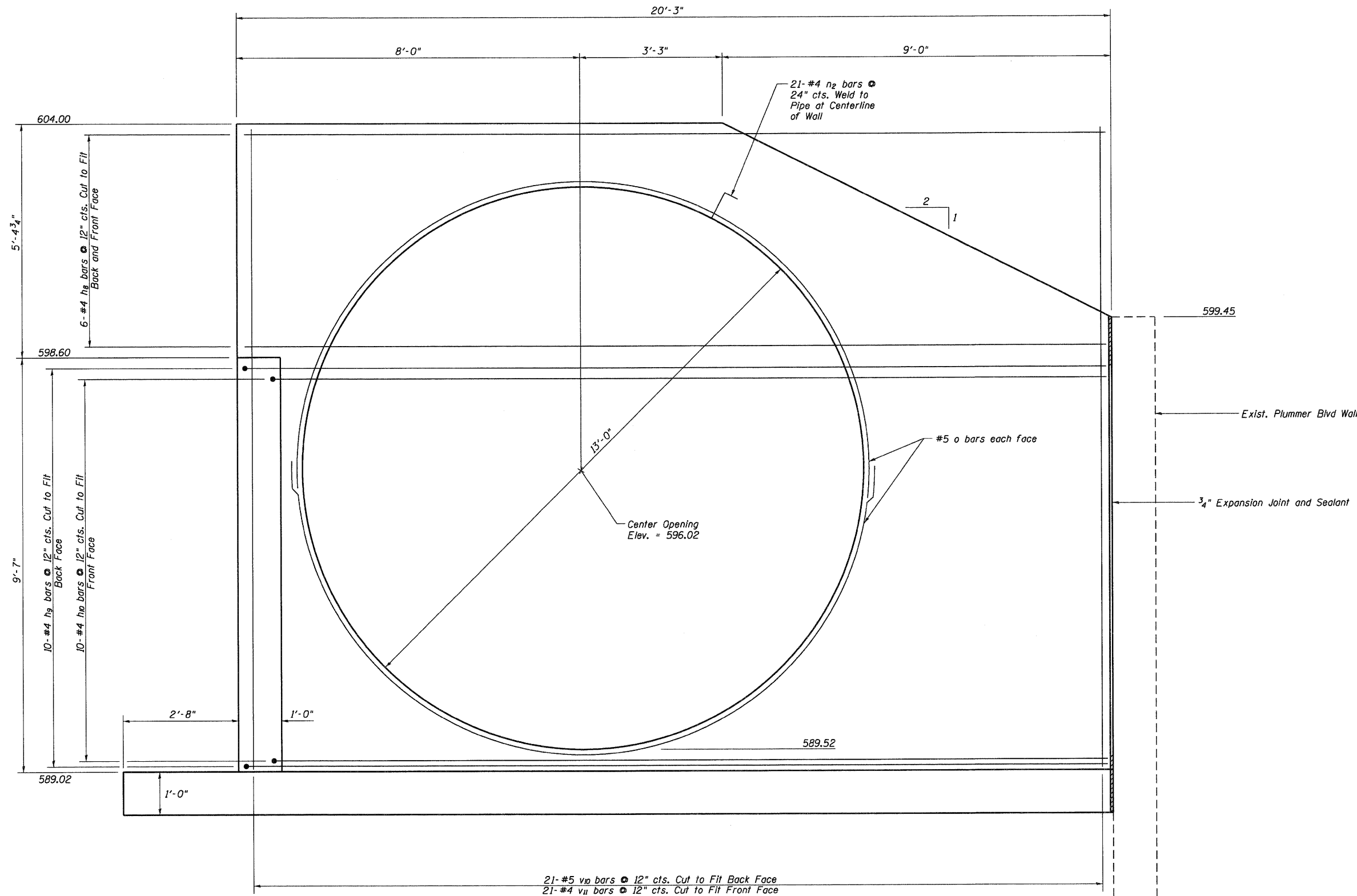
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PLOT DATE = 4/9/2012	DATE - 4/9/12		REVISED -

PLUMMER BLVD MULTI-USE TRAIL
VILLAGE OF CHATHAM

ELEVATION - EAST RETAINING WALL

SCALE: NTS SHEET NO. 6 OF 8 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-00030-00-BT	SANGAMON	29	19
* PLUMMER BLVD MULTI-USE TRAIL			CONTRACT NO. 93579	
ILLINOIS FED. AID PROJECT TE-0006 (109)				



EAST CLOSURE WALL
(Looking East)

SECTION 10-00030-00-BT
SANGAMON COUNTY
EAST CLOSURE WALL

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
1001 W. MONROE ST.
SPRINGFIELD, ILL. 62761
TEL: 217-223-8444 FAX: 217-223-8445



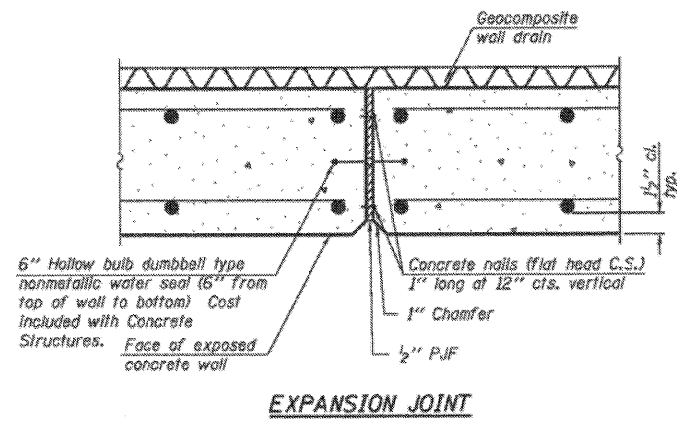
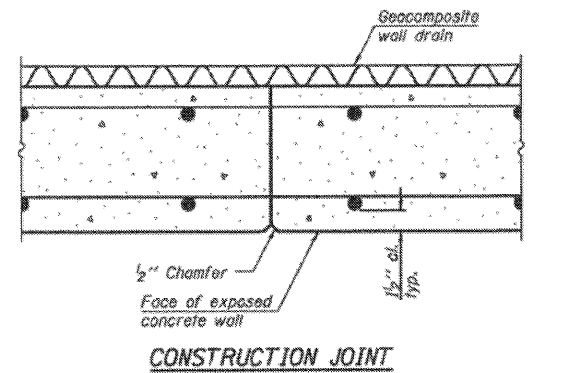
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PLOT DATE = 4/9/2012	DATE - 4/9/12		REVISED -

PLUMMER BLVD MULTI-USE TRAIL
VILLAGE OF CHATHAM

END WALL - EAST RETAINING WALL

SCALE: NTS SHEET NO. 7 OF 8 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	10-00030-00-BT	SANGAMON	29	20A
• PLUMMER BLVD MULTI-USE TRAIL			CONTRACT NO. 03578	
ILLINOIS FED. AID PROJECT TE-0006 (109)				



RETAINING WALL DETAILS
SECTION 10-00030-00-BT
SANGAMON COUNTY

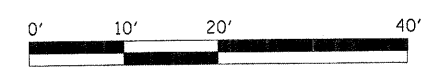
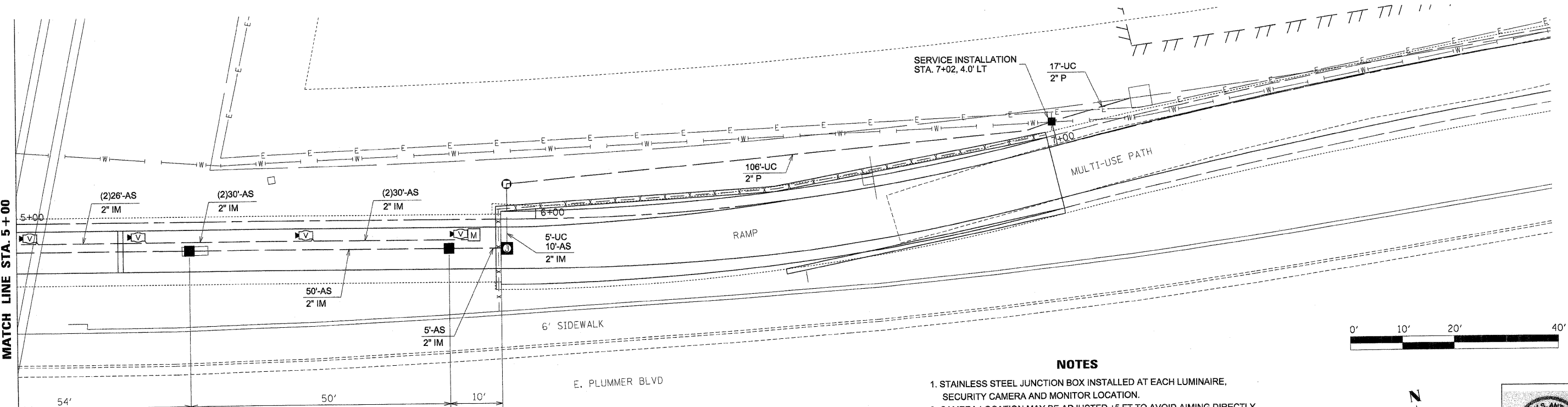
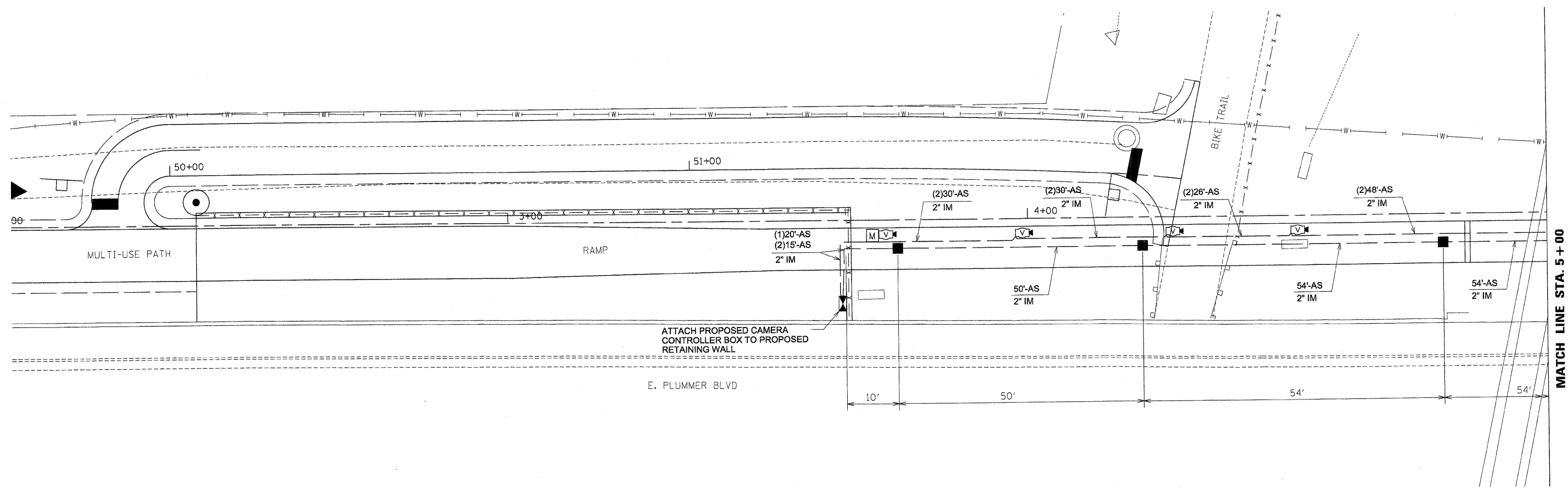
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PLOT DATE = 4/9/2012	DATE - 4/9/12		REVISED -

PLUMMER BLVD MULTI-USE TRAIL
VILLAGE OF CHATHAM

RETAINING WALLS

SCALE: NTS SHEET NO. 8 OF 8 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	10-00030-00-BT	SANGAMON	29	20B
• PLUMMER BLVD MULTI-USE TRAIL			CONTRACT NO. 93579	
ILLINOIS FED. AID PROJECT TE-006(09B)				



NOTES

1. STAINLESS STEEL JUNCTION BOX INSTALLED AT EACH LUMINAIRE, SECURITY CAMERA AND MONITOR LOCATION.
2. CAMERA LOCATION MAY BE ADJUSTED ±5 FT TO AVOID AIMING DIRECTLY AT LUMINAIRE.
3. MONITOR LOCATION AS RECOMMENDED BY SURVEILLANCE SYSTEM SUPPLIER.
4. SURVEILLANCE SYSTEM SUPPLIER TO INSTALL CAMERAS MONITORS, LOW VOLTAGE WIRING FOR CAMERAS AND MONITORS, AND SECURITY CONTROL SYSTEM IN CABINET. ALL OTHER WORK BY ELECTRICAL CONTRACTOR.

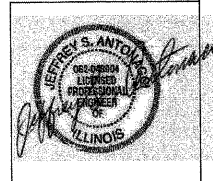
LEGEND

- 100 WATT LIGHT FIXTURE
- (with circle) STAINLESS STEEL JUNCTION BOX, 6" X 6" X 4"
- (with cross) GULFBOX JUNCTION, COMPOSITE CONCRETE
- (with square) CAMERA CONTROL
- (with 'V') CAMERA
- (with 'M') MONITOR

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

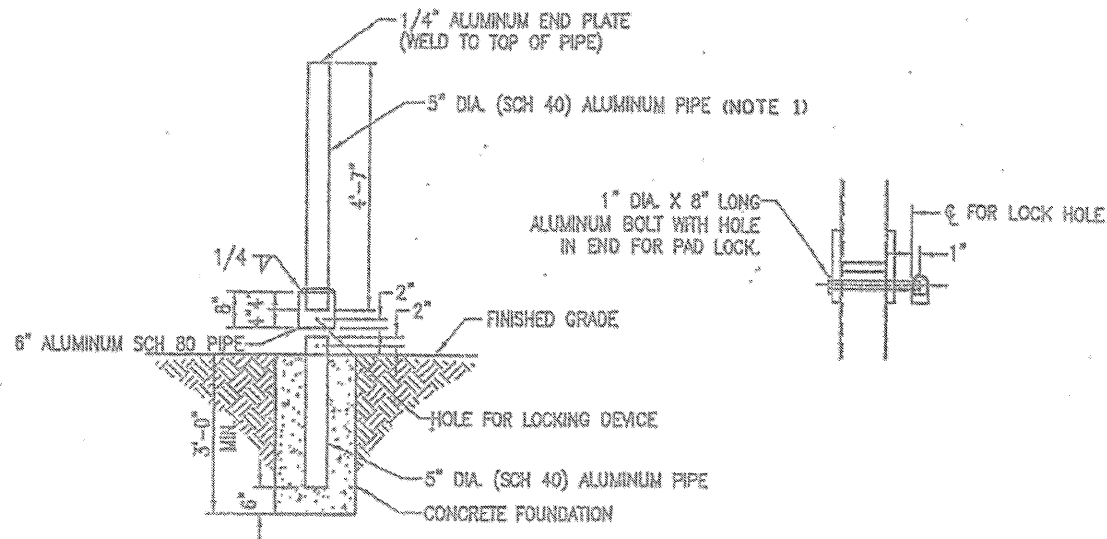
**SECURITY LIGHTING AND
WIRING PLAN**

SCALE: 1"=10' SHEET OF SHEETS STA. TO STA.

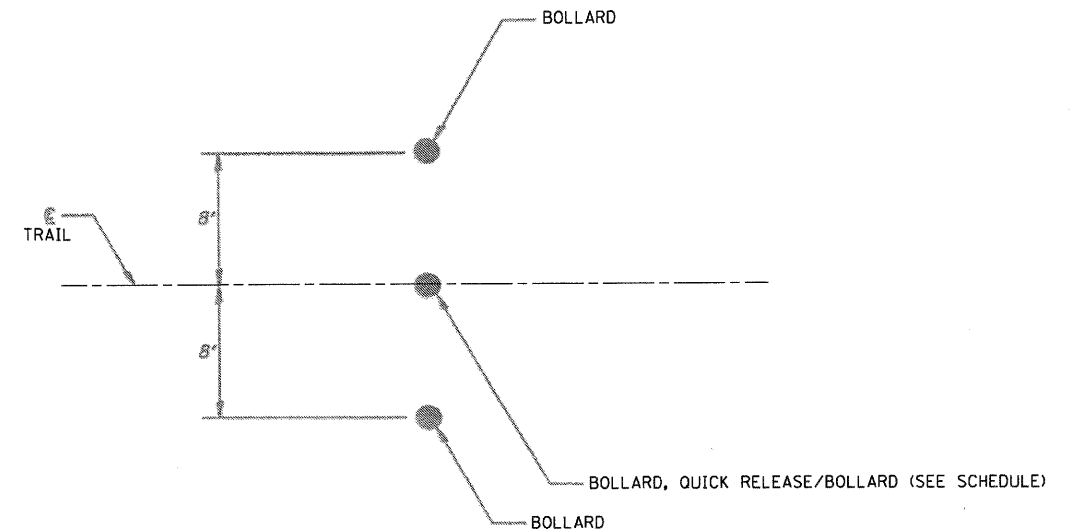


DATE: 02/03/2012
EXP: 11/30/2013

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		CHECKED -	REVISED -			10-00030-00-BT	SANGAMON	29	21	
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PLOT DATE = 2/10/2012										

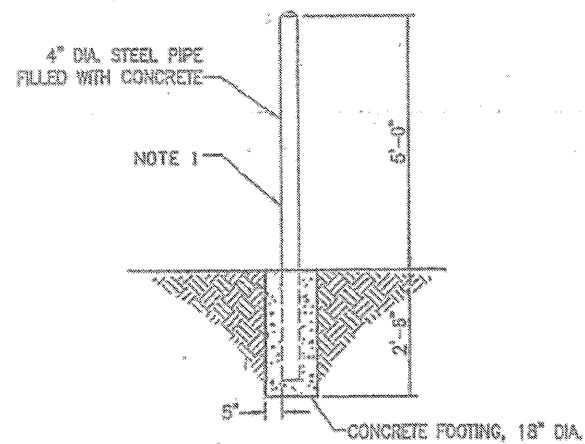


BOLLARD, QUICK RELEASE

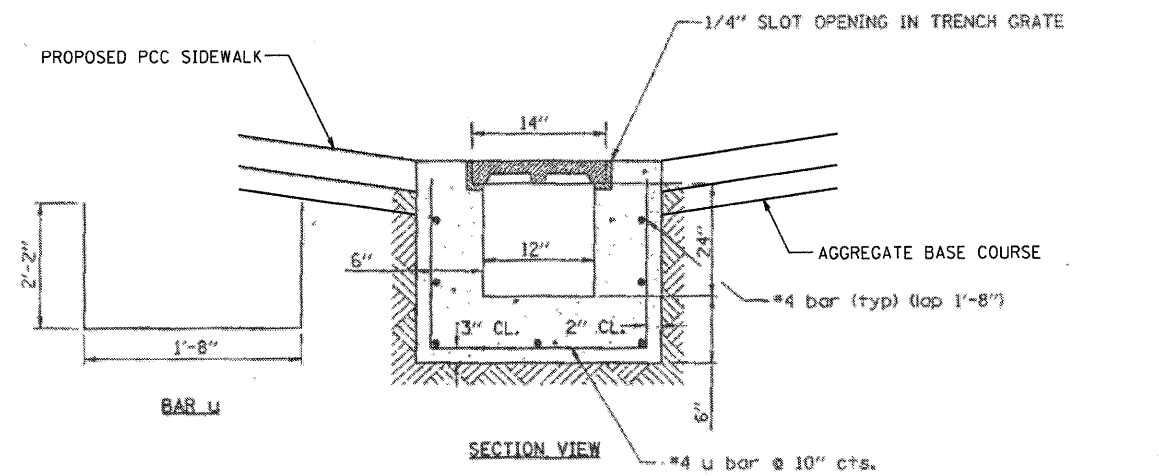


BOLLARD LAYOUT

NOTE 1:
ALUMINUM PIPE AND STEEL PIPE SHALL BE COVERED WITH YELLOW RETROREFLECTIVE SHEETING MEETING THE REQUIREMENTS OF ARTICLE 1106.01 OF THE STANDARD SPECIFICATIONS



BOLLARDS



SECTION VIEW

NOTE - TRENCH DRAIN TO MATCH DRIVEWAY SLOPE

TRENCH DRAIN DETAIL

ALL EXCAVATION, BACKFILL, CONCRETE AND REFLECTIVE SHEETING IS INCIDENTAL TO THE COST OF THE BOLLARD AND BOLLARD, QUICK RELEASE.



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**PLUMMER BLVD MULTI-USE TRAIL
VILLAGE OF CHATHAM**

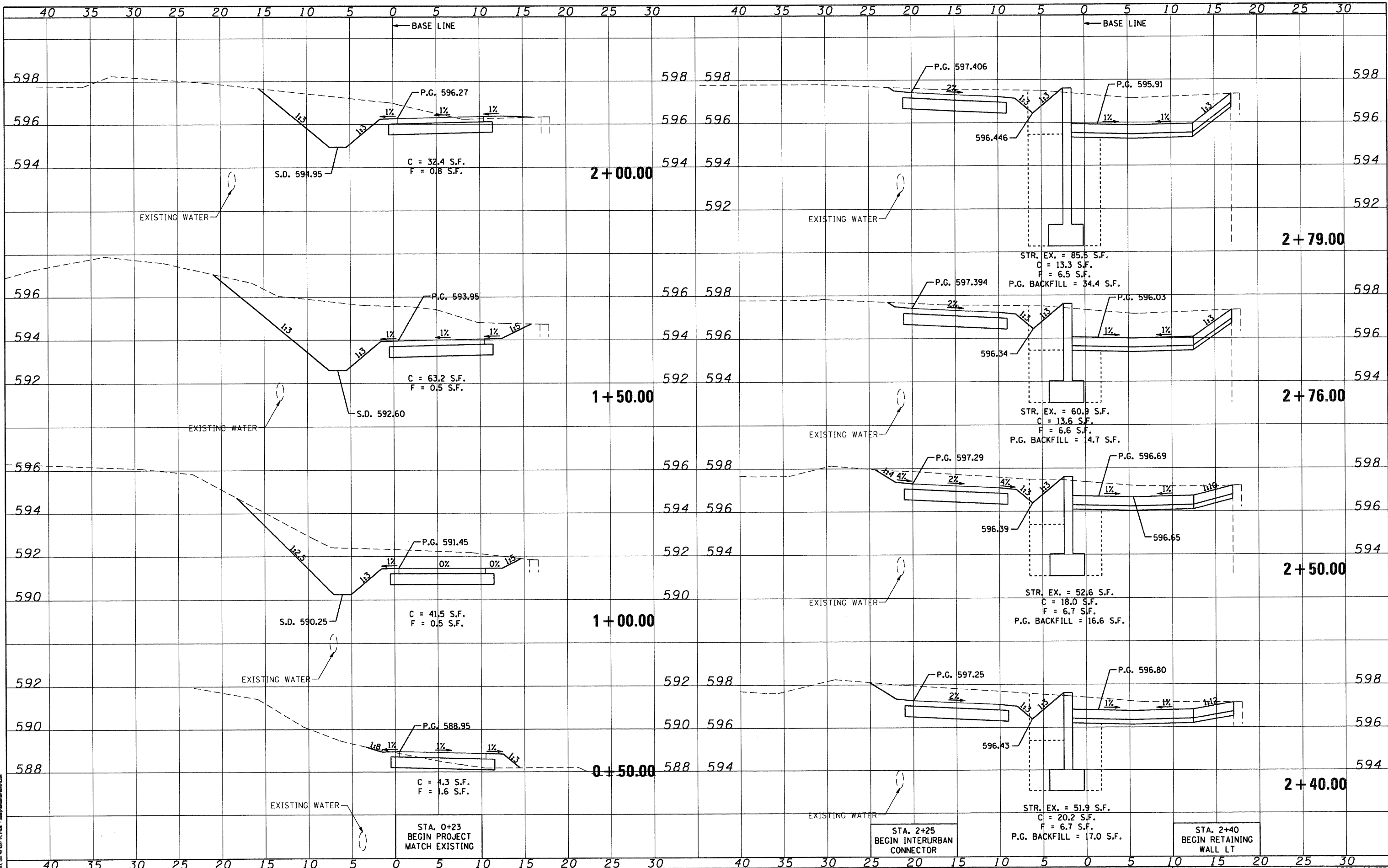
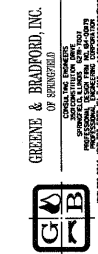
BOLLARD DETAILS

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	10-00030-00-BT	SANGAMON	29	23
•	PLUMMER BLVD TRAIL		CONTRACT NO. 9 3 5 7 9	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT TE-0006 (109)		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



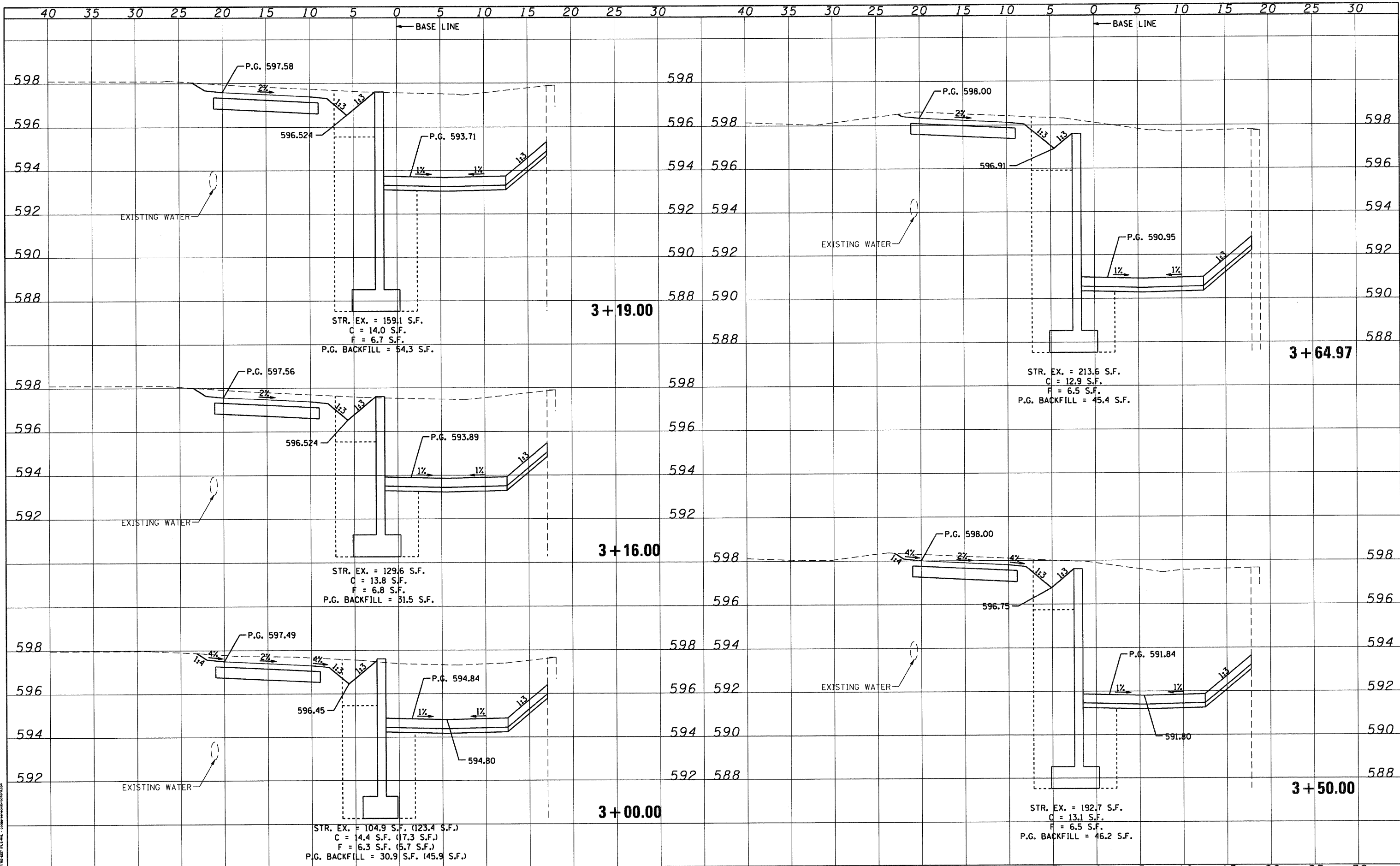
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PLOT SCALE = 10.0000' / 1" =	CHECKED - GSK	DRAWN - AJH	REVISED -		SCALE: 5 FT/1IN	SHEET NO. 1 OF 6 SHEETS	STA. 0+50.00	TO STA. 2+50.00	10-00030-00-BT	SANGAMON	29	24
PLOT DATE = 4/9/2012	DATE - 04/02/2012	REVISOR -	REVISED -						* PLUMMER BLVD MULTI-USE TRAIL			
C&B PROJECT: 10001.22	PLOT DRIVER = \$PLOTTER\$								CONTRACT NO. 93579			

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	10-00030-00-BT	SANGAMON	29	24
* PLUMMER BLVD MULTI-USE TRAIL				
CONTRACT NO. 93579				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-0006 (109)				

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

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

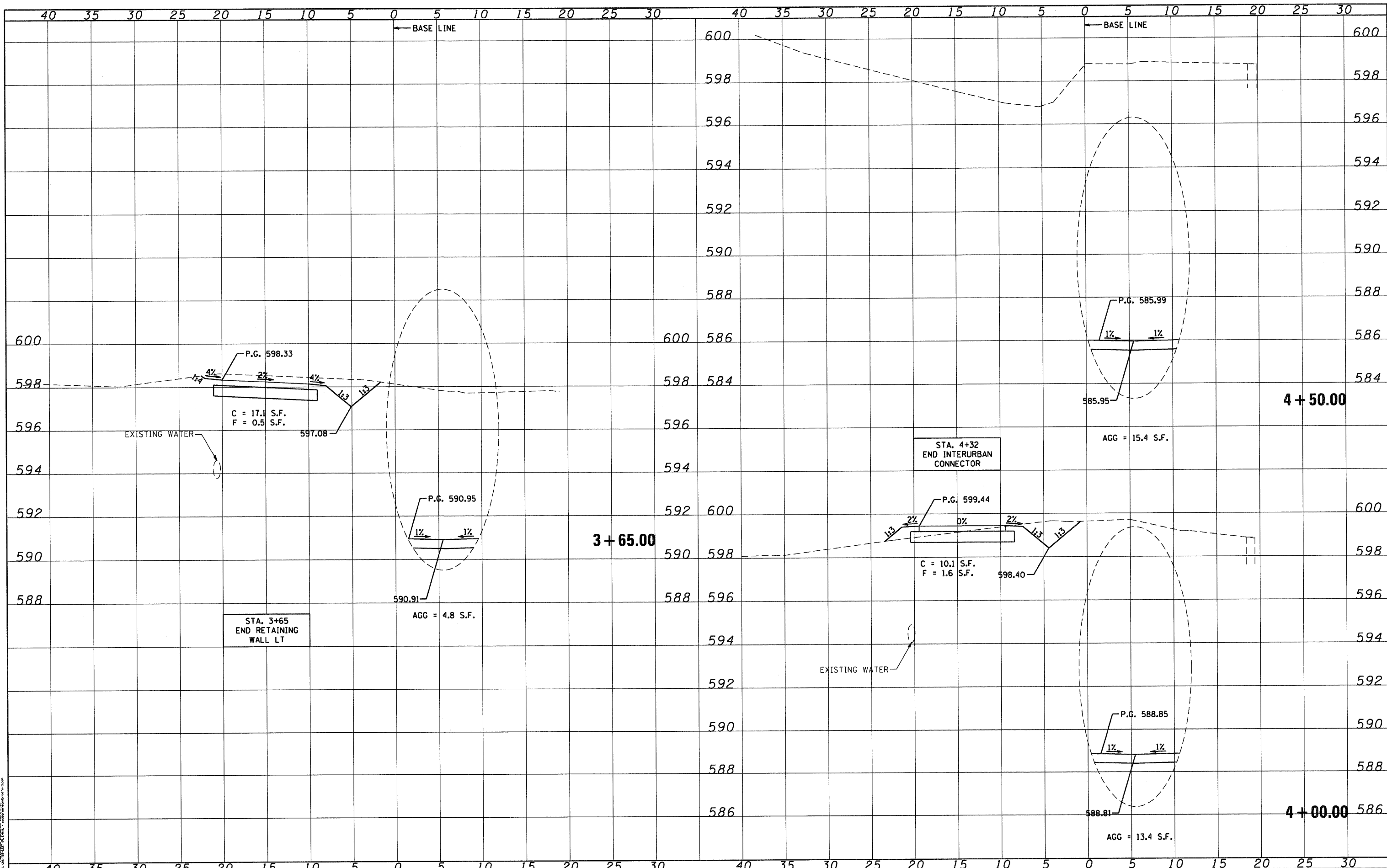
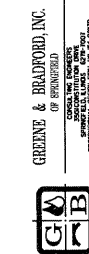
GREENE & BRADFORD, INC.
 CONSULTING ENGINEERS
 1000 N. WASHINGTON ST., SUITE 200
 CHICAGO, ILLINOIS 60610
 TEL: (773) 399-1000
 FAX: (773) 399-1001
 WWW.GREENE-AND-BRADFORD.COM



FILE NAME = J:\10001.22\CADD\CADD Sheets\shht-ssht.dgn	USER NAME = amandeh	DESIGNED - WCB	REVISED -	PLUMMER BLVD MULTI-USE TRAIL VILLAGE OF CHATHAM	CROSS SECTIONS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 10.0000' / 1" =	PLOT DATE = 4/9/2012	DRAWN - AJH	REVISED -		SCALE: 5 FT/IN	SHEET NO. 2 OF 6 SHEETS	STA. 2+76.00	TO STA. 3+16.00	10-00030-00-BT	SANGAMON	29	25
G&B PROJECT: 10001.22	DATE - 04/02/2012	CHECKED - GSK	REVISED -					* PLUMMER BLVD MULTI-USE TRAIL		CONTRACT NO. 93579		
PLOT DRIVER = PLOTTER								FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT TE-0006 (109)		

DATE	
BY	
FINAL SURVEY	
NOTED	
PLANNED	
DESIGNED	
CHECKED	
DRAWN	
DATE	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
PLANNED	
DESIGNED	
CHECKED	
DRAWN	
DATE	

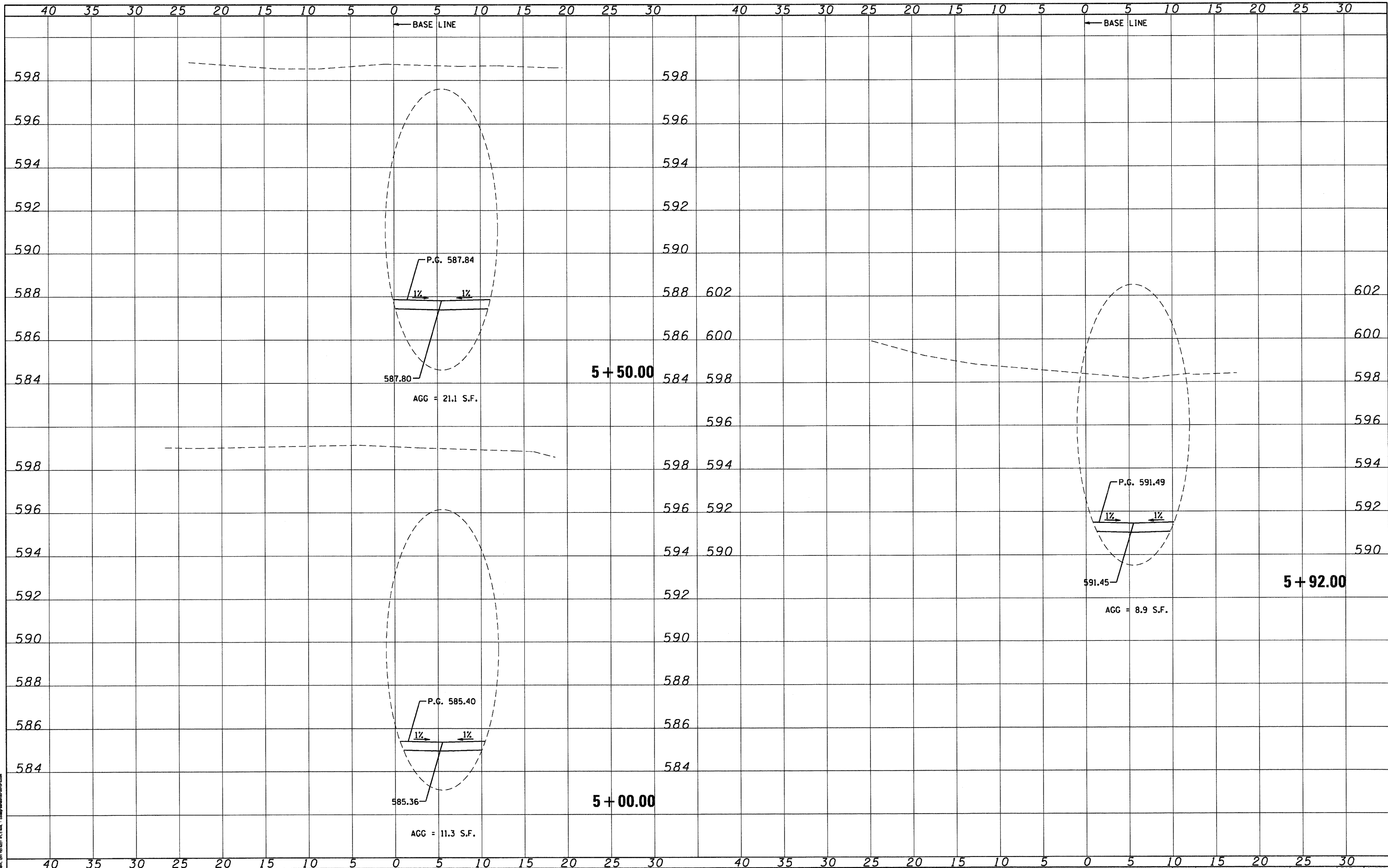


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G&B PROJECT: 10001.22	PLOT SCALE = 10,0000' / 1"	DRAWN - AJH	REVISED -		SCALE: 5 FT/IN	SHEET NO. 3 OF 6 SHEETS	STA. 3+19.00	TO STA. 3+64.97	10-00030-00-BT	SANGAMON	29	26	
PLOT DATE = 4/6/2012	DATE = 04/02/2012	CHECKED - GSK	REVISED -		PLUMMER BLVD MULTI-USE TRAIL CONTRACT NO. 93579								
PLOT DRIVER = *PLOTTER*	DATE = 04/02/2012	DATE = 04/02/2012	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-006 (109)								

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

GREENE & BRADWOOD, INC.
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FILE NAME = J:\10001.22\CADD\CADD Sheets\sh-t-xssht.dgn
 USER NAME = amandah
 PLOT SCALE = 10.0000' / 1" / 31.7
 PLOT DATE = 4/6/2012
 G&B PROJECT: 10001.22
 PLOT DRIVER = #PLOTTER#

DESIGNED -	WCB	REVISED -	
DRAWN -	AJH	REVISED -	
CHECKED -	GSK	REVISED -	
DATE -	04/02/2012	REVISED -	

**PLUMMER BLVD MULTI-USE TRAIL
 VILLAGE OF CHATHAM**

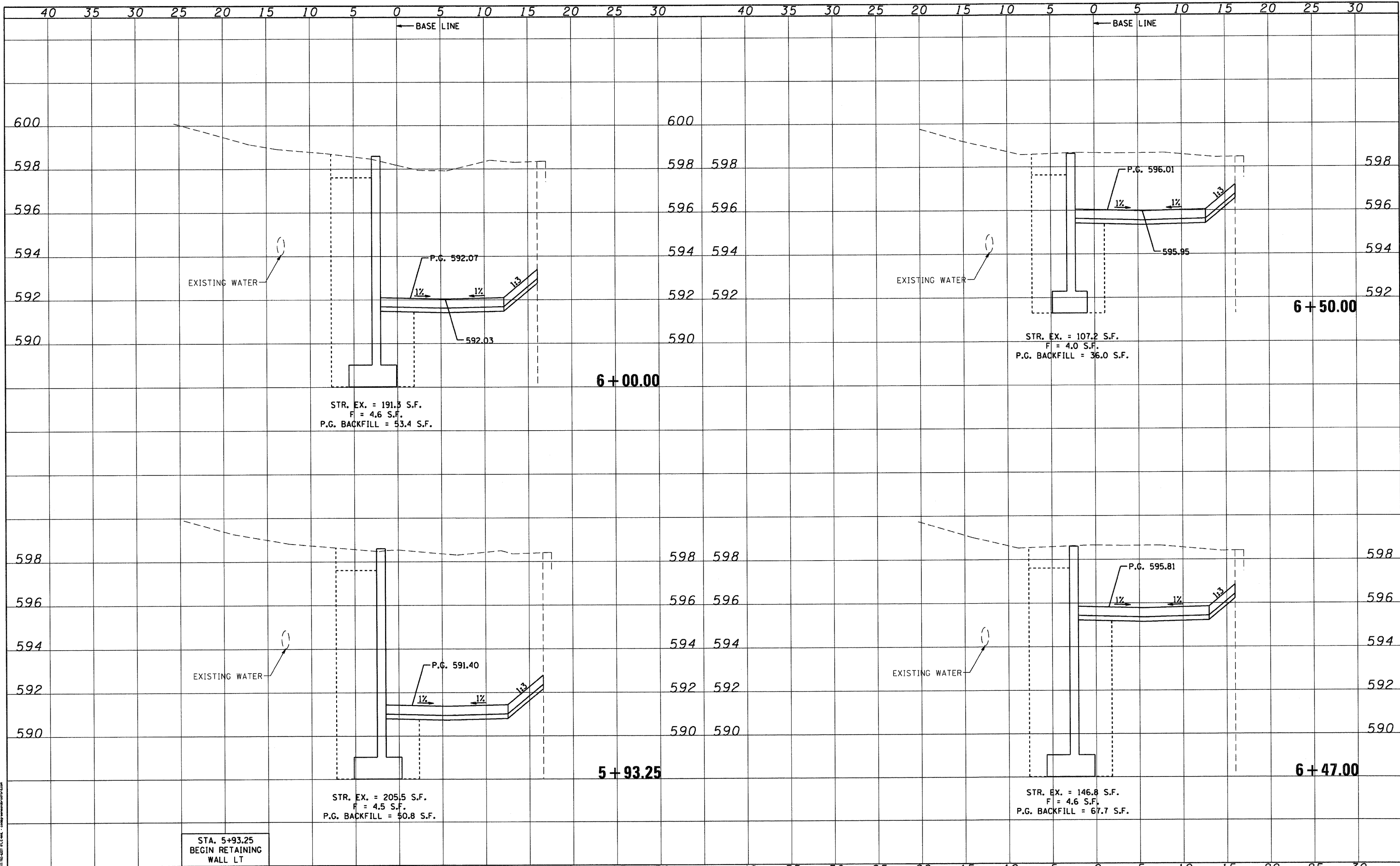
CROSS SECTIONS

SCALE: 5 FT/IN SHEET NO. 4 OF 6 SHEETS STA. 5+00.00 TO STA. 5+92.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	10-00030-00-BT	SANGAMON	29	27
* PLUMMER BLVD MULTI-USE TRAIL			CONTRACT NO. 93579	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT TE-0006 (109)		

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

DATE	
BY	
ORIGINAL SURVEY	
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TEMPLATE	
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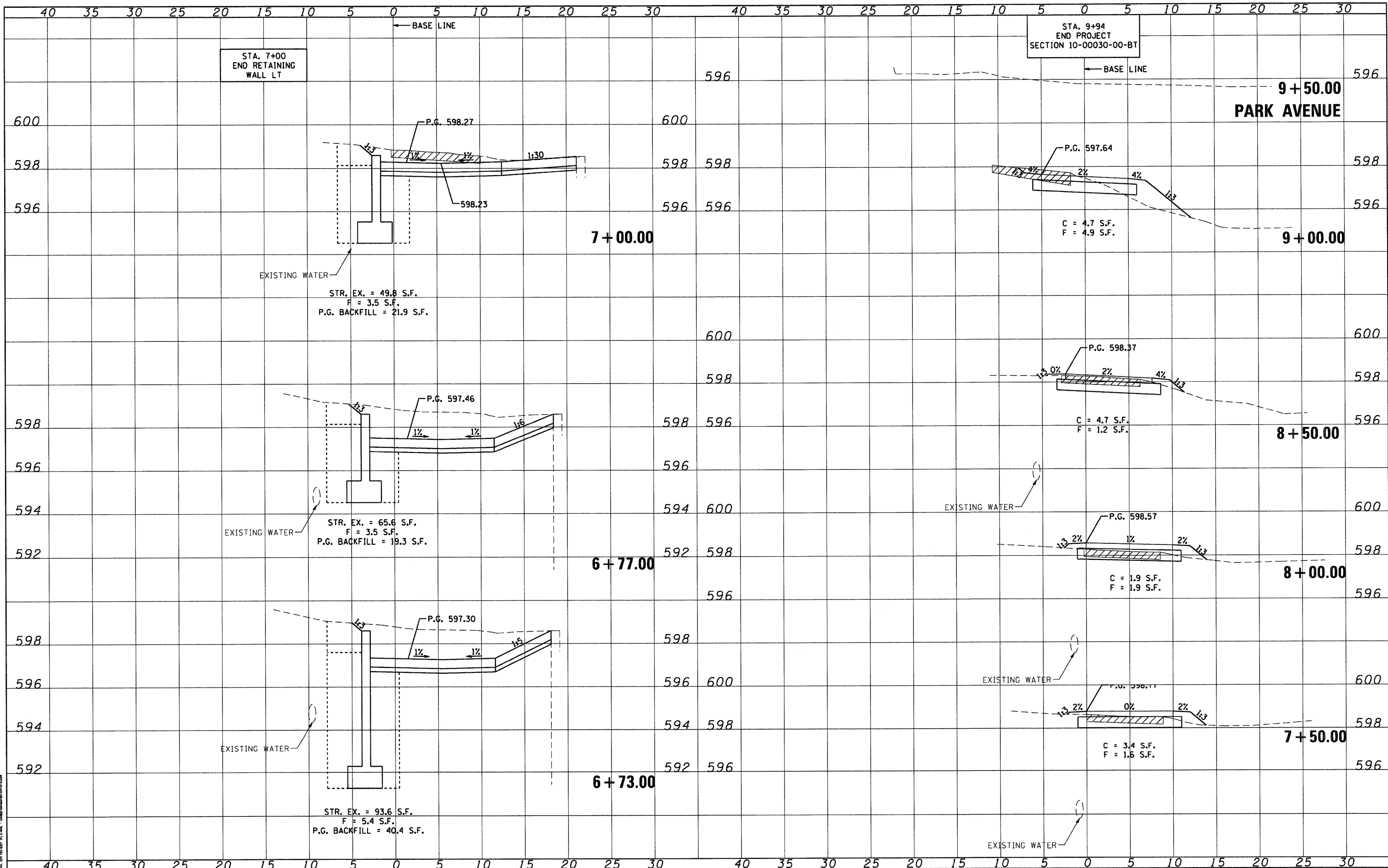


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C&B PROJECT: 10001.22	PLOT SCALE = 10.0000' / 1"	DRAWN - AJH	REVISED -		SCALE: 5 FT/IN	SHEET NO. 5 OF 6 SHEETS	STA. 5+00.00	TO STA. 5+92.00	10-00030-00-BT	SANGAMON	29	28
PLOT DATE = 4/9/2012	DATE - 04/02/2012	CHECKED - GSK	REVISED -		CONTRACT NO. 93579							
PLOT DRIVER = *PLOTTER*		DATE - 04/02/2012	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-0006 (109)							

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

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FILE NAME = J:\10001.22\CADD\CADD Sheets\shht-ssht.dgn
 USER NAME = amandah
 PLOT SCALE = 10.0000' / 1" = 100
 PLOT DATE = 4/9/2012

DESIGNED - WCB
 DRAWN - AJH
 CHECKED - GSK
 DATE - 04/02/2012

REVISED -
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**PLUMMER BLVD MULTI-USE TRAIL
 VILLAGE OF CHATHAM**

CROSS SECTIONS
 SCALE: 5 FT/IN SHEET NO. 6 OF 6 SHEETS STA. 5+93.25 TO STA. 6+50.11

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	10-00030-00-BT	SANGAMON	29	29
• PLUMMER BLVD MULTI-USE TRAIL			CONTRACT NO. 9 3 5 7 9	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT TE-0006 (109)	

C&B PROJECT: 10001.22
 PLOT DRIVER = PLOTTER