



January 4, 2023

BERKS COUNTY
CITY of READING
SR 0183, SECTION 05B
DOT # 592 216N
PUC No. A-2018-3000172
ECMS # 91091

Rosemary Chiavetta , Secretary
Pennsylvania Public Utility Commission
PO Box 3265
Harrisburg, PA 17105-3265

Dear Secretary Chiavetta:

In accordance with ordering paragraph number 2 of PUC Docket No. A-2018-3000172 entered on May 21, 2018, please find attached for your approval the final signed Drawings for Construction of State Route 0183, Section 05B consisting of sheets 1 through 63 of 63 and structure plans S-36195 consisting of sheets 1 through 54 of 54.

The Department of Transportation hereby avers that a complete set of the aforesaid final Drawings for Construction plans are being sent to the following parties of record for examination simultaneously with this submission to the Public Utility Commission:

D. Shawn Starling, Senior Engineer
Norfolk Southern Corporation
1200 Peachtree Street
Atlanta, GA 30309
Douglas.Starling@nscorp.com

Eddie Moran, Mayor
City Hall
815 Washington Street
Reading, PA. 19601
mayor@readingpa.gov

Ms. Julianne Freeman, Esquire
General Attorney
Norfolk Southern Railroad Company
Three Commercial Place
Norfolk, VA 23510-9241
Julianne.Freeman@nscorp.com

Kurt Zielaskowski
UGI Utilities
225 Morgantown Road
Reading, PA 19611
kzielaskowski@ugi.com

Christian Y. Leinbach, Chairman
Berks County Commissioners
633 Court Street, 13th Floor
Reading, PA 19601
commissioners@countyofberks.com

Gary Phillips
Reading Water Authority
1081 Kutztown Road
Reading, PA 19604
phillips@readingareawater.com

Mike Sauer
Metropolitan Edison Co./First Energy
2800 Pottsville Pike
Reading, PA 19612
msauer@firstenergycorp.com

Jeffrey Kramer
Verizon Pennsylvania Inc.
409 Washington Street
Reading, PA 19601
Jeffrey.d.kramer@verizon.com

Robert Gensemer
City of Reading
815 Washington Street
Reading, PA 19601
gensemer@readingpa.gov

Timothy Copeland-Walck
Windstream Communications
2020 East First Street
Birdsboro, PA 19508
walck@windstream.com

Jeff Jacovidis
Comcast Cable Communications, Inc.
400 Riverfront Drive
P.O. Box 107
Reading, PA 19603
jacovidis@comcast.com

Graig Pletz
Frontier Communications
37 Diller Avenue
New Holland, PA 17557
pletz@ftr.com

Luis Rojas
MAW Communications
P.O. Box 978
Reading, PA 19603
luis@mawcom.com

Ron Roads
Crown Castle Fiber
3200 Horizon Drive, Suite 100
King of Prussia, PA 19406
Ron.rhoads@crowncastle.com

Joe Laubach
Zito Media
102 South Main Street
Coudersport, PA 16915
Joe.laubach@zitomedia.com

We respectfully request the approval of these plans and the subsequent issuance of a PUC Order. Should you have any questions or concerns, please feel free to contact me at (610) 871 - 4562.

Sincerely,

Rodney O. Rehnert

Rodney O. Rehnert
District Grade Crossing Administrator
Engineering District 5-0
Department of Transportation

Attachments

cc: Parties of Record

M. J. Chappell, PE - Chief, Utilities and Right-of-Way Section, 7th Floor, CKB

Keren L. Cummings, Office of Chief Counsel, 9th Floor, CKB

W. Sinick, PE, PUC, Rail Safety Division, PUC, 3rd Floor, CKB

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DISTRICT	COUNTY	TOWNSHIP	CITY	ROUTE	SECTION	TOTAL SHEETS
5-0	BERKS		READING	0183	05B	63

ECMS NO. 91091

COMMONWEALTH OF PENNSYLVANIA



DEPARTMENT OF TRANSPORTATION

DRAWINGS

FOR
CONSTRUCTION
OF

STATE ROUTE 0183 SECTION 05B

IN BERKS COUNTY

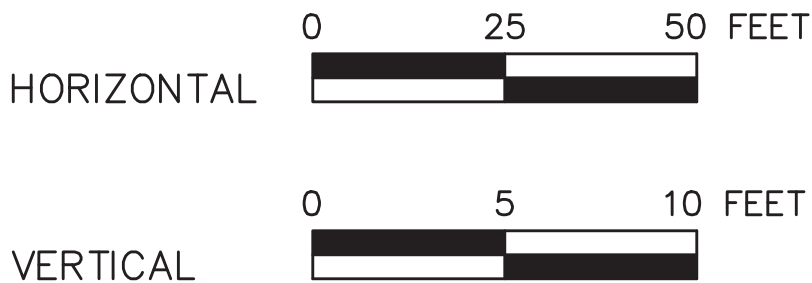
FROM STA 1+40.00 TO STA 8+70.00 LENGTH 630.00 FT 0.119 MI

FROM SEG 0025 OFFSET 1418 TO SEG 0027 OFFSET 0104

ALSO INCLUDED:

- TRAFFIC CONTROL PLAN
SIGNING AND PAVEMENT MARKING PLAN
WATER RELOCATION PLAN
EROSION AND SEDIMENT POLLUTION CONTROL PLAN
STRUCTURE PLAN S-36195
CROSS SECTIONS
POST CONSTRUCTION STORMWATER MANAGEMENT PLAN
- 38 SHEETS
- 4 SHEETS
- 12 SHEETS
- 24 SHEETS
- 54 SHEETS
- 35 SHEETS
- 12 SHEETS

SCALE



DESIGN DESIGNATION
SR 0183

HIGHWAY CLASSIFICATION – URBAN CORE COMMUNITY ARTERIAL
DESIGN SPEED – 25 MPH
PAVEMENT WIDTH – 20’ (2–10’ LANES)
SHOULDER WIDTH – 2’ LT, 8’ RT

TRAFFIC DATA

CURRENT YEAR A.D.T. – 6899 (2022)
DESIGN YEAR A.D.T. – 7458 (2042)
DHV – 597
D – 100%
T – 2%

PREPARED BY:
McTISH, KUNKEL & ASSOCIATES
CONSULTING ENGINEERS
3500 WINCHESTER RD.
SUITE 300
ALLENTOWN, PA

Lisa Martin
Digitally signed by Lisa Martin
DN: cn=Lisa Martin, o=McTish, Kunkel & Associates, c=US
Date: 2022.12.22 15:44:16-05'00'

RECOMMENDED

Michael W. Rebert
Digitally signed by Michael W. Rebert
Date: 2022.12.23 16:50:24 -05'00'

DISTRICT EXECUTIVE

RECOMMENDED

DATE: _____

DEPUTY SECRETARY

APPROVED

DATE: _____

SECRETARY OF TRANSPORTATION
(ON BEHALF OF THE GOVERNOR
AS WELL AS THE SECRETARY)

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SHEET INDEX BLOCK		
DESCRIPTION		SHEET
TITLE SHEET		1
INDEX MAP		2
LOCATION MAP AND GENERAL NOTES		3
TRAVERSE SKETCH AND REFERENCE CIRCLES		4 TO 5
TYPICAL SECTIONS		6 TO 12
ADA DETAILS		13 TO 34
DETAILS		35 TO 42
SUMMARY SHEETS		43 TO 44
TABULATION SHEETS		45 TO 60
PLAN SHEETS		61 TO 62
PROFILE SHEET		63

TABULATION OF SEGMENT EQUALITIES

SEGMENT 0025 OFFSET 2044 =
SEGMENT 0027 OFFSET 0000 =
STATION 7+66

PROPERTY OWNERS

- 7

READING PARKING AUTHORITY
- 8

REYNOSO REAL ESTATE LLC
- 9

JUAN SORIANO
- 10

BENJAMIN L. SPENCER, II
- 11

ANN PHI-PHUNG NGO NGUYEN
- 12

VICTOR RAMOS
- 13

RUDDY MATOS
- 14

MERCEDES LARA MALDONADO
- 15

CARLIXTA DE LA ROSA
- 16

OVERLORD REAL ESTATE HOLDINGS LLC
- 17

FREDY SALINAS

18

SAREK PROPERTIES, LLC, A PENNSYLVANIA LIMITED LIABILITY COMPANY

19

FATMIR DEMIROVIC & HADZIRA DEMIROVIC, H&W

20

EDWARD SANCHEZ

21

PHILLIP SPRADLEY, III & MARY A. SPRADLEY, HIS WIFE

22

ESTERVINA ALCANTARA

23

PEDRO A. CASTRO-SMITH & DAIROBI AYALA

24

CARMEN J. RIVERA

25

EDNA E. VINCENT

26A

26

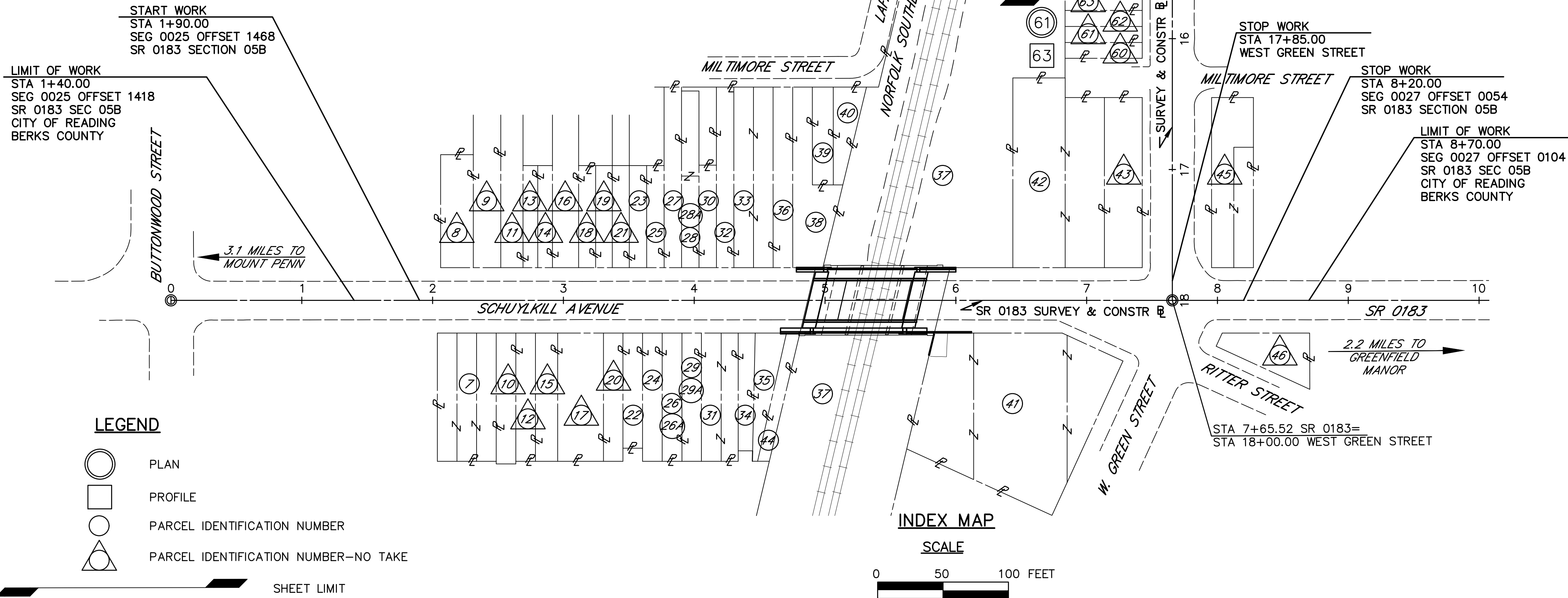
MARITZA ROMAN & BRENDA ROMAN, MOTHER & DAUGHTER

27

NELSON A. MIRANDA & DONNA L. FLICKER

28A

28

HILARIO HERNANDEZ-MERCEDES

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	2 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY

PROPERTY OWNERS:
(CONTINUED)

- 29A

29

JEAN JUNIOR BAZILE & DAVE OLSEN MOUSCARDY
- 30

WILSON LABOY
- 31

EUGENIO A. MIRANDA
- 32

MANNY FORTUNATO
- 33

THE CITY OF READING
- 34

SARA E. KEY
- 35

NEFTALI ORTIZ & ALICIA ORTIZ, HIS WIFE
- 36

MIRIAN TORO
- 37

NORFOLK SOUTHERN RAILWAY COMPANY, SUCCESSOR THROUGH MERGER TO PENNSYLVANIA LINES, LLC
- 38

DAVID CRESPO
- 39

HABITAT FOR HUMANITY OF BERKS COUNTY
- 40

HABITAT FOR HUMANITY OF BERKS COUNTY, INC.
- 41

GOD'S WORSHIP & PRAISE TEMPLE OF SPIRIT & TRUTH MINISTRIES, INC.
- 42

WINDSOR WAY HOLDINGS LLC
- 43

WILLIAM J. GERNERT
- 44

UNKNOWN OWNER
- 60

RIGOBERTO PENA
- 61

ERICK BURGOS GARCIA
- 62

JULIO PADILLA & BERTHA Y. GUZMAN, H/W
- 63

JOSE A. ABREU
- 64

JULIO A. PADILLA-TAPIA
- 65

EDY A. GARCIA-TERRERO
- 66

GUILANA HERNANDEZ-HERNANDEZ
- 67

DENNY MARAI RODRIGUEZ-DE COSTE & RAMON COSTE
- 68

DAVID CHACON-PELAEZ
- 69

ANDRES RAMOS & ANA RAMOS
- 70

ELLIOT VELEZ-SANCHEZ
- 71

THE CITY OF READING



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LIST OF PUBLIC UTILITIES

SR 0183, SECTION 05B
PA ONE CALL
1-(800)-242-1776

SERIAL NO.
20130420767
20141760485
20162592569
20162592584
20201340500
20201340415
20201340554
20210191394

CITY OF READING
BERKS COUNTY

READING AREA WATER AUTHORITY
1801 KUTZTOWN ROAD
READING, PA 19604
610-406-6301
CONTACT: GARY PHILLIPS
GARY.PHILLIPS@READINGAREAWATER.COM

CROWN CASTLE FIBER
3200 HORIZON DRIVE, SUITE 100
KING OF PRUSSIA, PA 19406
610-567-7023
CONTACT: RON RHOADS
RON.RHOADS@CROWNCastle.COM

ZITO MEDIA
102 SOUTH MAIN STREET
COUDERSPORT, PA 16915
814-203-7970
CONTACT: JOE LAUBACH
JOE.LAUBACH@ZITOMEDIA.COM

METROPOLITAN EDISON CO./
FIRST ENERGY
2800 POTTSVILLE PIKE
READING, PA 19612
610-921-6457
CONTACT: MIKE SAUER
MSAUER@FIRSTENERGYCORP.COM

UGI UTILITIES
225 MORGANTOWN ROAD
READING, PA 19611
610-736-5571
CONTACT: KURT ZIELASKOWSKI
KZIELASKOWSKI@UGI.COM

VERIZON PENNSYLVANIA INC.
409 WASHINGTON STREET
READING, PA 19601
610-371-4344
CONTACT: JEFFREY KRAMER
JEFFREY.D.KRAMER@VERIZON.COM

CITY OF READING
815 WASHINGTON STREET
READING, PA 19601
610-655-6008
CONTACT: ROBERT GENSEMER
ROBERT.GENSEMER@READINGPA.GOV

AMERICAN U-TEL
9 ROBBINS TERRACE
HIGHLAND LAKES, NJ 07422
201-919-6632
CONTACT: MIKE WEISS

WINDSTREAM COMMUNICATIONS
202 EAST FIRST STREET
BIRDSBORO, PA 19508
610-404-6234
CONTACT: TIMOTHY COPELAND-WALCK
TIMOTHY.COPELAND-WALCK@WINDSTREAM.COM

COMCAST CABLE COMMUNICATIONS, LLC
400 RIVERFRONT DRIVE
READING, PA 19602
610-985-0690
CONTACT: JEFF JACOVIDIS
JEFF_JACOVIDIS@COMCAST.COM

FRONTIER COMMUNICATIONS
37 DILLER AVENUE
NEW HOLLAND, PA 17557
717-355-7328
CONTACT: CRAIG PLETZ
CRAIG.PLETZ@FTR.COM

MAW COMMUNICATIONS
P.O. BOX 978
READING, PA 19603
610-396-1050
CONTACT: IRVING PEREZ
IRV@MAWCOM.COM

TABULATION OF OVERALL LENGTH

STA 1+40.00 TO STA 8+70.00 = 730.00 FT = 0.138 MI

TABULATION OF CONSTRUCTION LENGTH

STA 1+90.00 TO STA 8+20.00 = 630.00 FT = 0.119 MI

LIST OF EQUALITIES

NONE

GENERAL NOTES

SR 0183 PREVIOUSLY KNOWN AS LR 310

THE LEGAL RIGHT OF WAY ON SR 0183, FORMERLY KNOWN AS LR 310, FROM STA 1+40.00 TO STA 4+46.32 AND FROM STATION 6+43.61 TO STATION 16+00.00 IS 50 FEET AS RECORDED ON MAY 15, 1771 IN ROAD BOOK 1, PAGE 112-15, IN THE BERKS COUNTY RECORDER OF DEEDS OFFICE, AND BASED ON TOPOGRAPHIC MAP OF THE CITY OF READING AS SHOWN ON PLAN NO. 28, 29, AND 5841.

THE LEGAL RIGHT OF WAY ON SR 0183, FROM STATION 4+46.32 TO STATION 6+43.61 IS VARIABLE BASED ON DRAWINGS AUTHORIZING ACQUISITION OF RIGHT OF WAY FOR STATE ROUTE 0183 SECTION 05B R/W, LAST REVISED ON SEPTEMBER 21, 2022, AND RECORDED IN BERKS COUNTY RECORDER OF DEEDS OFFICE IN INSTRUMENT NUMBER 2022037794.

THE LEGAL RIGHT OF WAY ON WEST GREENWICH STREET FROM STA 70+00.00 TO STA 88+00.00 IS 60 FEET BASED ON TOPOGRAPHIC MAP OF THE CITY OF READING AS SHOWN ON PLAN NO. 28, 29, 35 AND 36.

THE LEGAL RIGHT OF WAY ON WEST GREEN STREET FROM STA 0+00.00 TO STA 3+00.00 IS 60 FEET BASED ON TOPOGRAPHIC MAP OF THE CITY OF READING AS SHOWN ON PLAN NO. 29.

THE LEGAL RIGHT OF WAY ON SR 0183, NORTH FRONT STREET FROM STA 22+00.00 TO STA 25+70.00 IS 60 FEET, FROM STA 25+70.00 TO STA 27+20.00 IS 72 FEET, AND FROM STA 27+20.00 TO STA 38+00.00 IS 60 FEET BASED ON TOPOGRAPHIC MAP OF THE CITY OF READING AS SHOWN ON PLAN NO. 29 AND PLAN NO. 6259.

THE LEGAL RIGHT OF WAY ON ROSENTHAL STREET IS 40 FEET BASED ON TOPOGRAPHIC MAP OF THE CITY OF READING AS SHOWN ON PLAN NO. 5841, DATED JANUARY 8, 1976.

THE LEGAL RIGHT OF WAY ON DIVISION STREET IS 60 FEET BASED ON TOPOGRAPHIC MAP OF THE CITY OF READING AS SHOWN ON PLAN NO. 5841, DATED JANUARY 8, 1976.

THE LEGAL RIGHT OF WAY ON WEST BUTTONWOOD STREET FROM STA 50+00.00 TO STA 52+25.00 IS 74 FEET, BASED ON CITY OF READING ORDINANCE 44-1977, PASSED ON OCTOBER 19, 1977, AND SPOTTS, STEVENS AND MCCOY, INC., ENGINEERS PLAN NO. 7067-018 D-003, DATED OCTOBER 13, 1976.

THE LEGAL RIGHT OF WAY ON WEST BUTTONWOOD STREET FROM STA 52+25.00 TO STA 62+00.00 IS 60 FEET, BASED ON TOPOGRAPHIC MAP OF THE CITY OF READING AS SHOWN ON PLAN NO. 5841, DATED JANUARY 8, 1976.

THIS IS A FEDERAL-AID PROJECT AND AS SUCH IS SUBJECT TO INSPECTION BY REPRESENTATIVES OF THE FEDERAL HIGHWAY ADMINISTRATION AND THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION.

THREE TO TEN WORKINGS DAYS PRIOR TO EXCAVATION BASED ON THE COMPLEXITY OF THE PROJECT, THE CONTRACTOR MUST CONTACT THE PA ONE CALL SYSTEM, INC., PHONE 1-800-242-1776, SERIAL NO. _____ FOR THE CITY OF READING. ADDITIONAL INFORMATION IS AVAILABLE AT <https://www.pa1call.org/PA811/Public/>.

THE CONTRACTOR IS REQUIRED TO NOTIFY THE DEPARTMENT AND SUBMIT AN ALLEGED VIOLATION REPORT (AVR) TO THE PA PUBLIC UTILITY COMMISSION THROUGH THE PA ONE CALL SYSTEM, WWW.PA1CALL.ORG, WITHIN TEN (10 BUSINESS DAYS AFTER A UTILITY LINE IS STRUCK, DAMAGED, OR PREVIOUS DAMAGE IS DISCOVERED AS REQUIRED BY PENNSYLVANIA'S UNDERGROUND UTILITY LINE PROTECTION LAW ACT 50 (P.L.852, NO. 287 AMENDED OCT. 30, 2017).

VERTICAL CONTROL FOR THE PROJECT IS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD88 (NGS KV2266).

HORIZONTAL CONTROL IS TIED TO THE PENNSYLVANIA STATE PLANE COORDINATE SYSTEM (SOUTH ZONE). NORTH AMERICAN DATUM, NAD83 (2011).

THE HALF CIRCLED NUMBER INDICATES A SCALED DIMENSION

THE AVERAGE COMBINED SCALE FACTOR IS 0.99995305.

DEMOLISH AND REMOVE BUILDINGS AND STRUCTURES MARKED  AS LUMP SUM ITEMS AT THE LOCATIONS INDICATED.

DO NOT INTERFERE WITH THE OPERATION OF ANY FIRE HYDRANT, FIRE CALL BOX OR POLICE CALL BOX.

EARTHWORK SUMMARY ENTIRE PROJECT

THE INFORMATION ON ESTIMATED AMOUNTS OF EARTHWORK HAS BEEN USED IN THE PRELIMINARY ESTIMATE. DO NOT USE AS A WAIVER OF ANY PROVISIONS OF THE SPECIFICATIONS AND CONTRACTS.

CUBIC YARDS OF EXCAVATION						CUBIC YDS.* OF COMPLETED EMBANKMENT	CUBIC YDS. OF BORROW EXCAVATION	CUBIC YDS. OF SELECT BORROW	CUBIC YDS. OF WASTE
CLASS 1	CLASS 1A	CLASS 1B	CLASS 2	CLASS 3**	CLASS 4				
260	-	90	1916	3477	1076	1017	-	2248	9533

* INCLUDES ALL BORROW ITEMS

** 3477 CY PART OF LUMP SUM STRUCTURE ITEM

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5—0	BERKS	0183	05B	3 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY

GENERAL NOTES (CONT'D)

TEMPORARY CONSTRUCTION EASEMENT. AN EASEMENT TO USE THE LAND AS NECESSARY DURING CONSTRUCTION OF THE PROJECT. THE EASEMENT IS REQUIRED ONLY UNTIL THE CONSTRUCTION OR WORK INDICATED BY THE PLAN IS COMPLETED, UNLESS SOONER RELINQUISHED IN WRITING BY THE DEPARTMENT.

SLOPE EASEMENT. AN EASEMENT FOR THE SUPPORT AND PROTECTION OF THE HIGHWAY, INCLUDING THE RIGHT TO CONSTRUCT, INSPECT, MAINTAIN, REPAIR, RECONSTRUCT, AND ALTER DRAINAGE FACILITIES AND THE CONTOUR OF THE LAND. THE EASEMENT SHALL NOT PREVENT THE PROPERTY OWNER FROM MAKING ANY LEGAL USE OF THE AREA WHICH IS NOT DETRIMENTAL TO THE NECESSARY SUPPORT AND PROTECTION OF THE HIGHWAY RIGHT-OF-WAY AND THE SAFETY OF THE TRAVELING PUBLIC.

DRAINAGE EASEMENT. AN EASEMENT FOR THE CONSTRUCTION, INSPECTION, MAINTENANCE, REPAIR, RECONSTRUCTION AND ALTERATION OF HIGHWAY DRAINAGE FACILITIES. THE EASEMENT SHALL NOT PREVENT THE PROPERTY OWNER FROM MAKING ANY LEGAL USE OF THE AREA WHICH IS NOT DETRIMENTAL TO THE NECESSARY FLOW OF WATER. HOWEVER, NO STRUCTURE OF ANY KIND MAY BE ERECTED IN THE AREA, NOR MAY ANY PIPE OR DITCH BE CONNECTED TO THE DEPARTMENT'S PIPE OR DITCH WITHOUT ADVANCED WRITTEN APPROVAL BY THE DEPARTMENT OF TRANSPORTATION.

WHERE AN AERIAL EASEMENT IS ACQUIRED, IT SHALL INCLUDE AN EASEMENT IN THE AIR FOR THE ACCOMMODATION OF THE ELEVATED HIGHWAY STRUCTURE UNLIMITED IN VERTICAL DIMENSION ABOVE THE STRUCTURE, A SURFACE EASEMENT UNLIMITED IN VERTICAL DIMENSION FOR THE ACCOMMODATION OF PIERS AND OTHER APPURTENANCES AND A TEMPORARY EASEMENT FOR CONSTRUCTION PURPOSES INCLUDING THE STORAGE OF MATERIALS DURING CONSTRUCTION FOR THE ENTIRE AREA. THE FOLLOWING LIMITATIONS SHALL BE IMPOSED ON THE PROPERTY BENEATH THE AREA AFFECTED BY THE AERIAL EASEMENT.

NO USE SHALL BE MADE OF THE PROPERTY WHICH SHALL ENDANGER THE STRUCTURE OR THE HEALTH, SAFETY OR WELFARE OF THE TRAVELING PUBLIC.

NO FLAMMABLE, EXPLOSIVE, DANGEROUS OR HAZARDOUS MATERIAL SHALL BE USED, PLACED OR STORED ON THE PROPERTY.

NO BUILDING OR OTHER FACILITY SHALL BE CONSTRUCTED ON THE PROPERTY WITHOUT PRIOR AUTHORITY OF THE DEPARTMENT OF TRANSPORTATION. IF AND WHEN SUCH AUTHORITY IS GRANTED, THE PLANS FOR THE BUILDING OR FACILITY AND CONSTRUCTION METHODS SHALL BE SUBJECT TO THE APPROVAL OF THE DEPARTMENT OF TRANSPORTATION.

NO INTERFERENCE SHALL BE MADE WITH THE RIGHT OF THE DEPARTMENT OF TRANSPORTATION TO ENTER UPON THE PROPERTY FOR THE PURPOSES OF INSPECTION, MAINTENANCE, REPAIR, PAINTING, RECONSTRUCTION OR ALTERATION OF THE STRUCTURE OR APPURTENANCES. MOVEABLE ITEMS MAY HAVE TO BE REMOVED BY THE OWNER DURING SOME OR ALL OF THE ABOVE OPERATIONS.

ANY SUBSTANTIAL CHANGE IN PROPERTY USE TO BE MADE SUBSEQUENT TO THE ACQUISITION OF THE EASEMENT SHALL BE SUBJECT TO THE APPROVAL OF THE DEPARTMENT OF TRANSPORTATION.

THE NOTES ON THESE DRAWINGS SHALL NOT BE CONSTRUED AS LIMITING OR INTERFERING IN ANY WAY WITH THE PRESENT AND FUTURE OPERATION, USE, MAINTENANCE, REPAIR, RENEWAL, CHANGE, ADDITION, BETTERMENT OR ALTERATION OF THE RAILROAD AND ITS SUPPORTING FACILITIES.

THE DEPARTMENT OF TRANSPORTATION DOES NOT GUARANTEE THE ACCURACY OF THE LOCATIONS OF EXISTING SUBSURFACE UTILITY STRUCTURES SHOWN ON THE PLANS, NOR DOES THE DEPARTMENT GUARANTEE THAT ALL SUBSURFACE STRUCTURES ARE SHOWN.

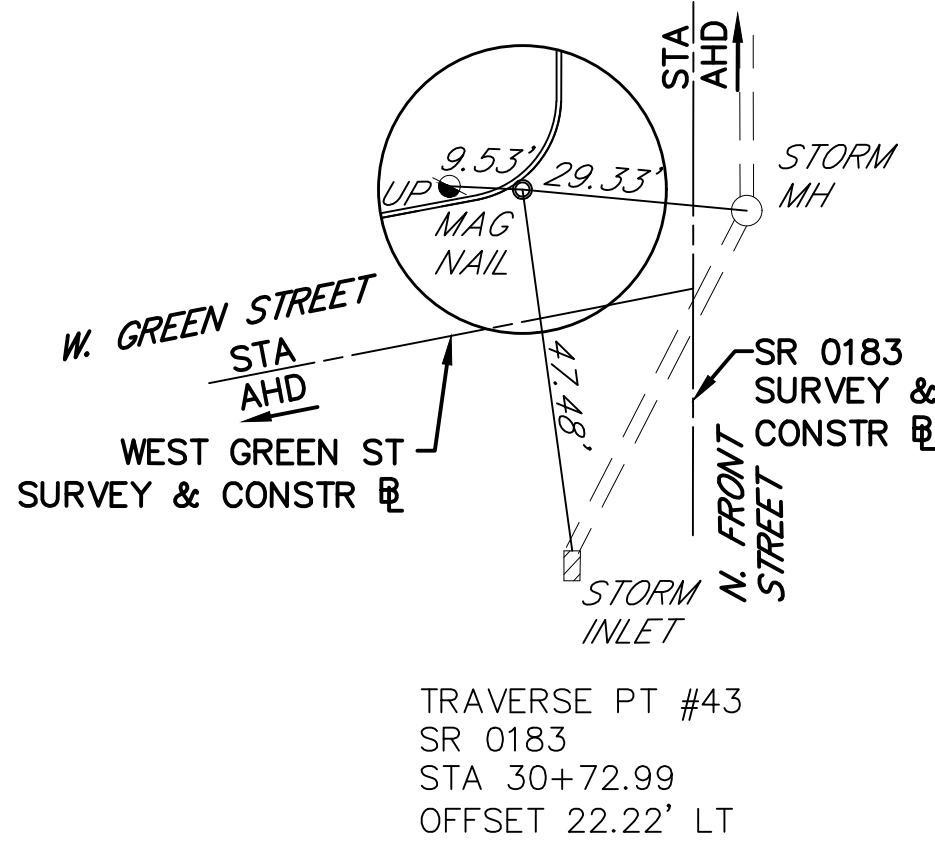
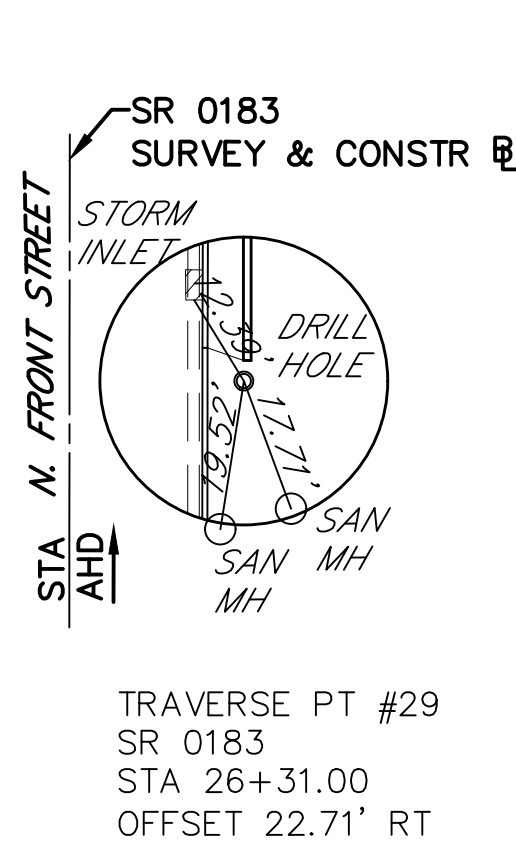
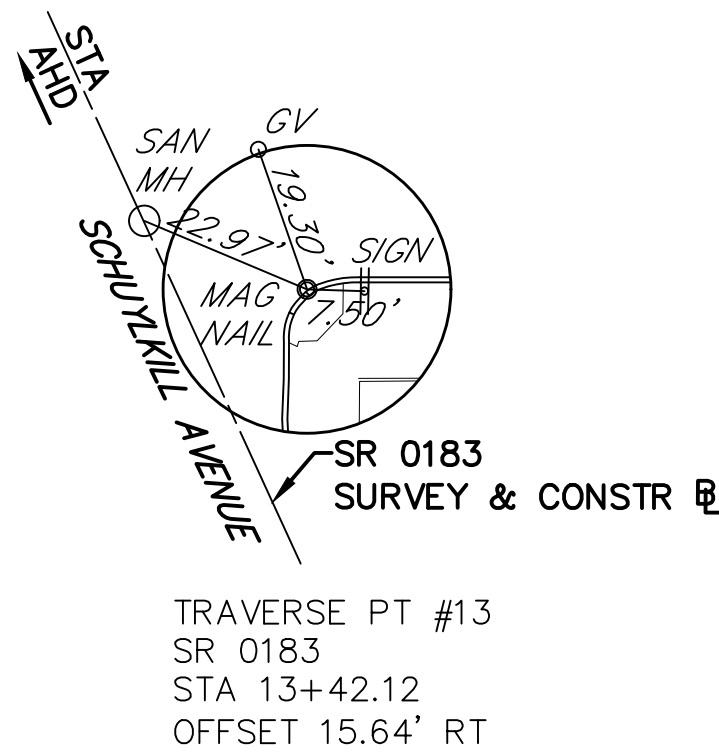
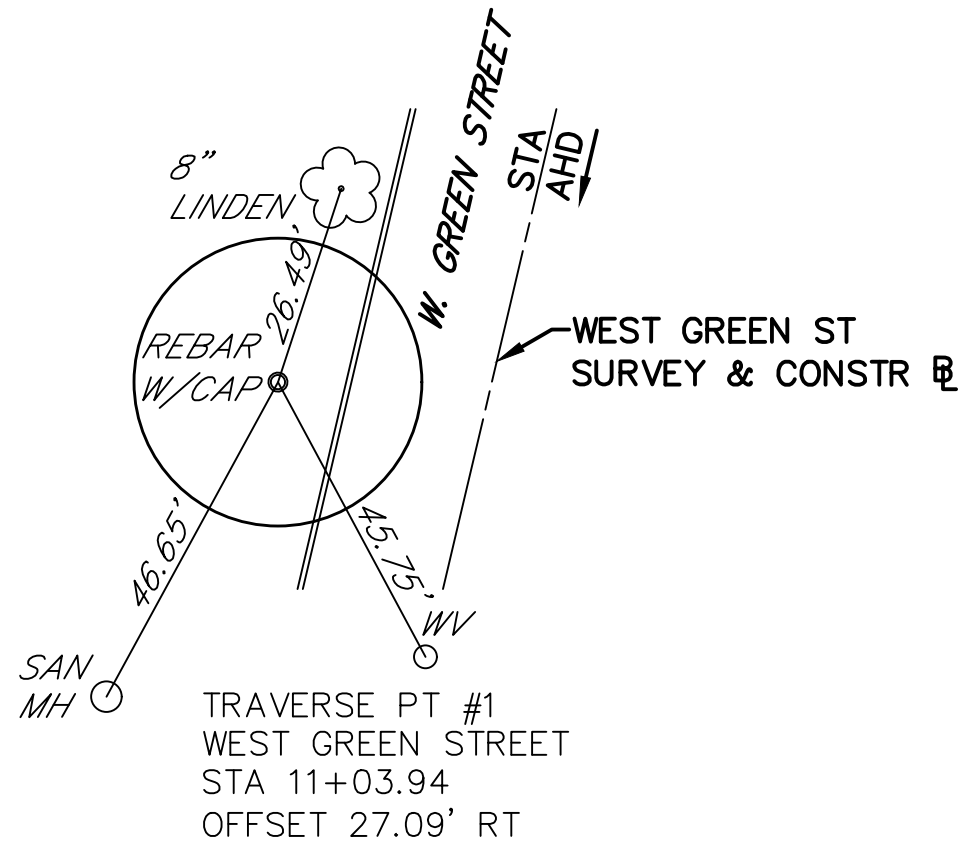
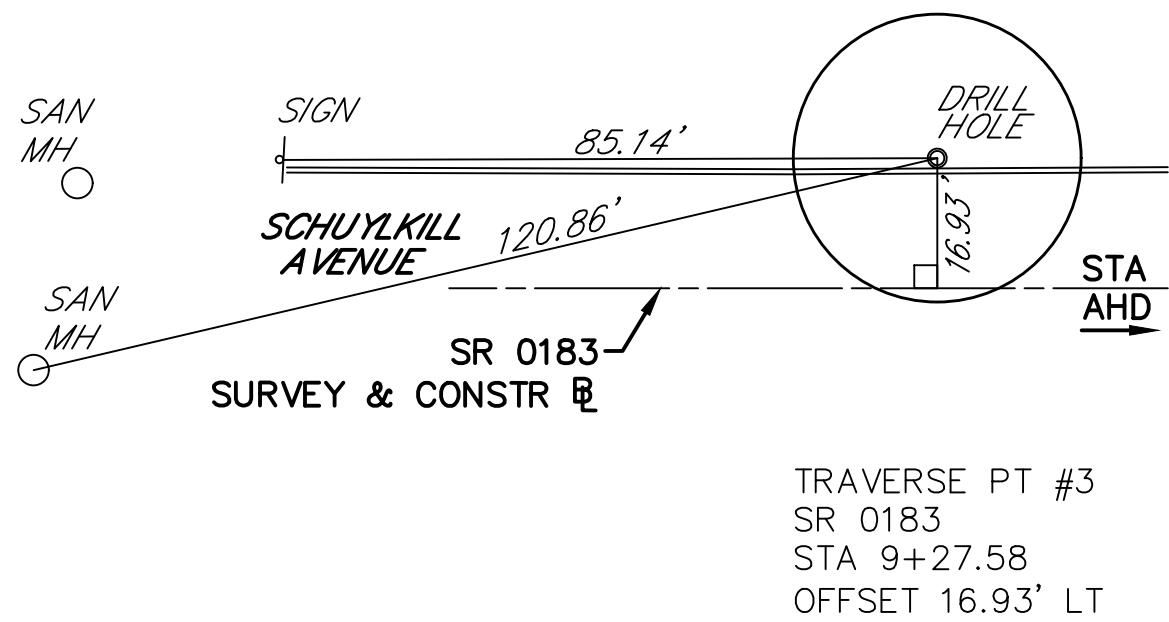
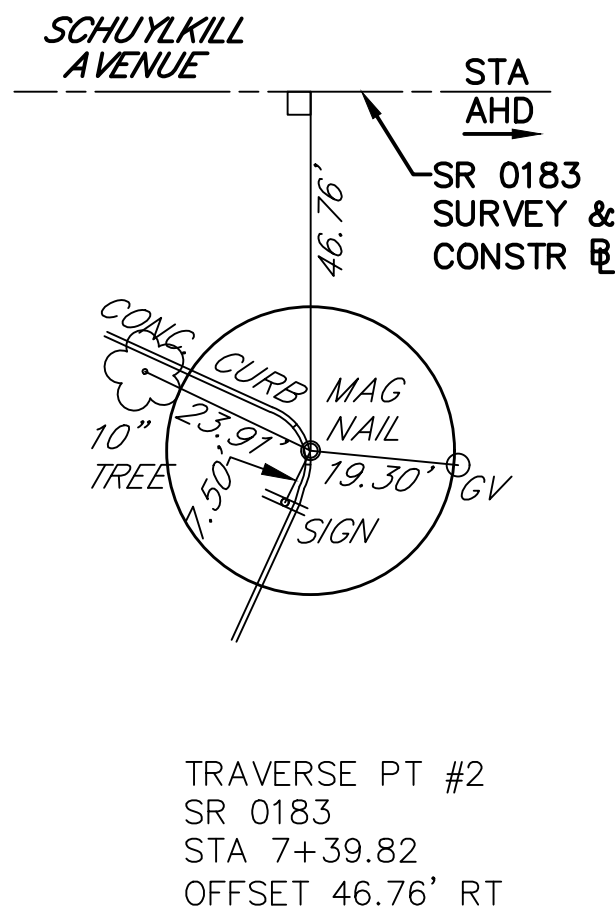
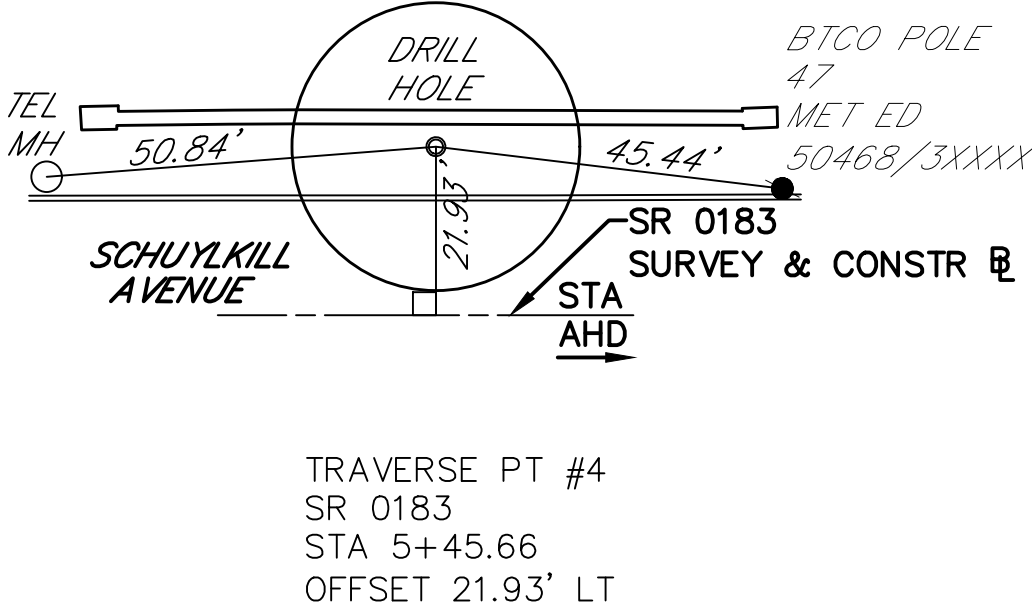
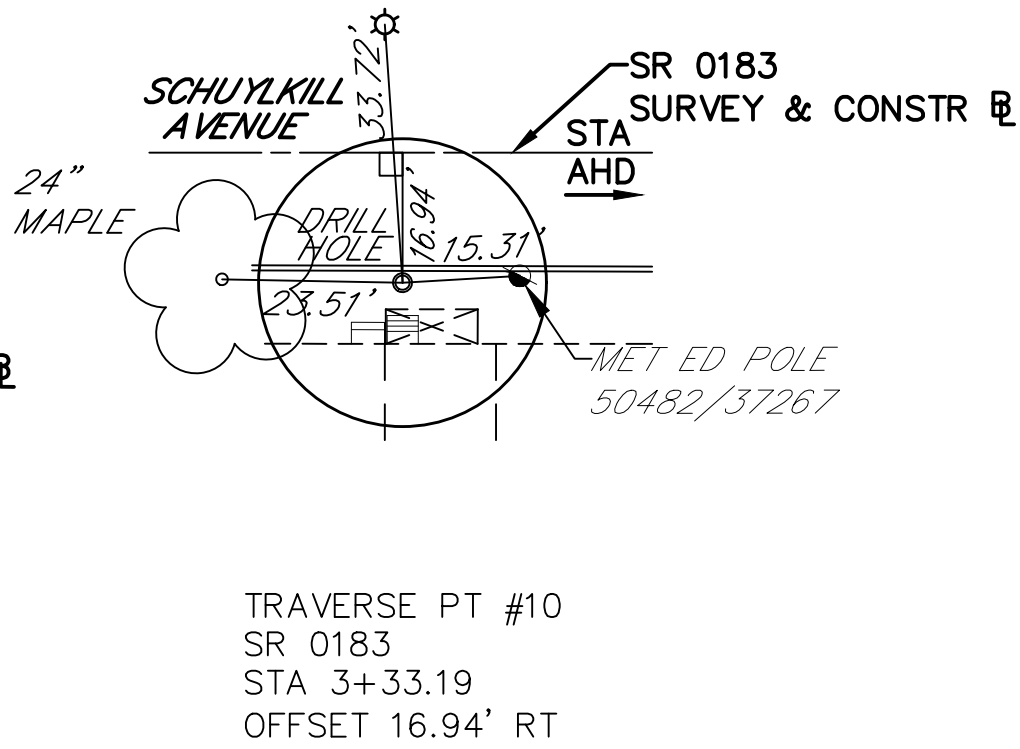
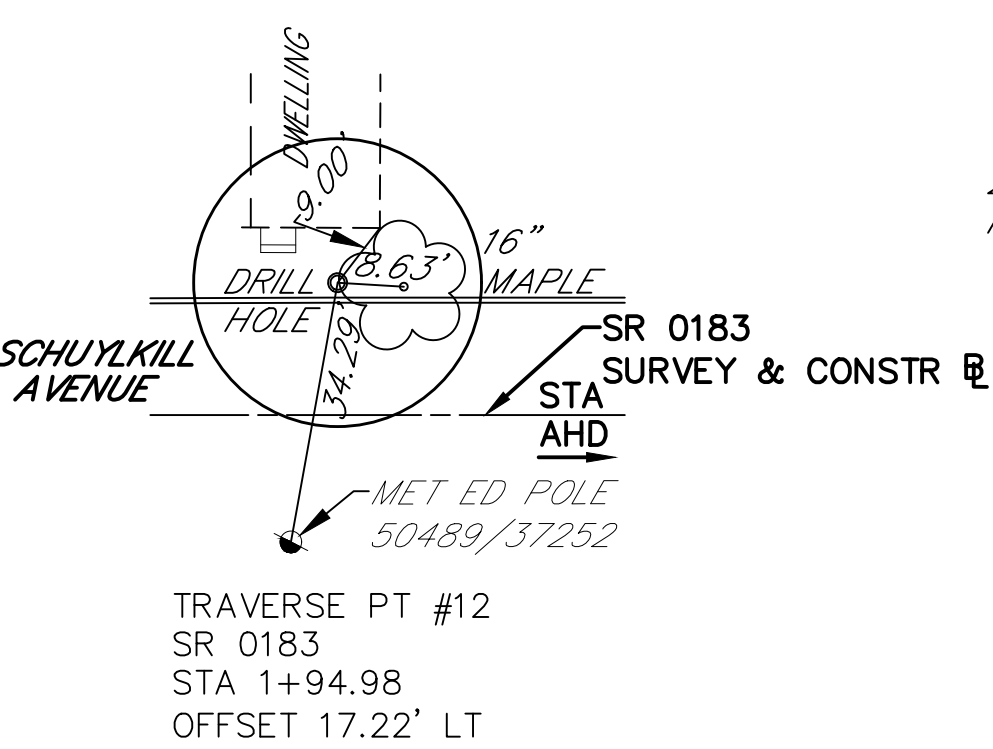
PRIVATE PROPERTY LINES ARE PLOTTED FROM THE DEED OF RECORD, RECORDED SUBDIVISION OR LOT PLANS, EXISTING TOPOGRAPHICAL FEATURES AND LIMITED FIELD DATA. PRIVATE PROPERTY LINES WERE NOT SURVEYED BY THE PROFESSIONAL LAND SURVEYOR RESPONSIBLE FOR THE PROJECT.

DETAILS, OTHER THAN THOSE INDICATED, ARE ON THE FOLLOWING STANDARD DRAWINGS.

RC-10M	JUN. 1, 2010	RC-77M	DEC. 17, 2019
RC-11M	JUN. 1, 2010	RC-91M	DEC. 17, 2019
RC-12M	FEB. 8, 2019	TC-8600	JUN. 13, 2013
RC-13M	JUN. 1, 2010	TC-8604	AUG. 17, 2021
RC-23M	FEB. 8, 2019	TC-8700C	JUN. 13, 2013
RC-24M	FEB. 19, 2021	TC-8702B	JUN. 13, 2013
RC-25M	NOV. 30, 2021	BC-701M	FEB. 19, 2021
RC-28M	FEB. 8, 2019	BC-734M	FEB. 19, 2021
RC-30M	NOV. 30, 2021	BC-735M	SEP. 30, 2016
RC-39M	NOV. 30, 2021	BC-736M	JAN. 31, 2019
RC-40M	FEB. 8, 2019	BC-751M	JAN. 31, 2019
RC-45M	FEB. 19, 2021	BC-752M	FEB. 19, 2021
RC-46M	FEB. 19, 2021	BC-755M	JAN. 31, 2019
RC-58M	AUG. 4, 2017	BC-766M	JAN. 31, 2019
RC-60M	JUN. 1, 2010	BC-775M	SEP. 30, 2016
RC-61M	JUN. 1, 2010	BC-788M	JAN. 31, 2019
RC-64M	FEB. 19, 2021		
RC-67M	FEB. 19, 2021		
RC-70M	FEB. 8, 2019		
RC-72M	FEB. 8, 2019		
RC-73M	FEB. 8, 2019		



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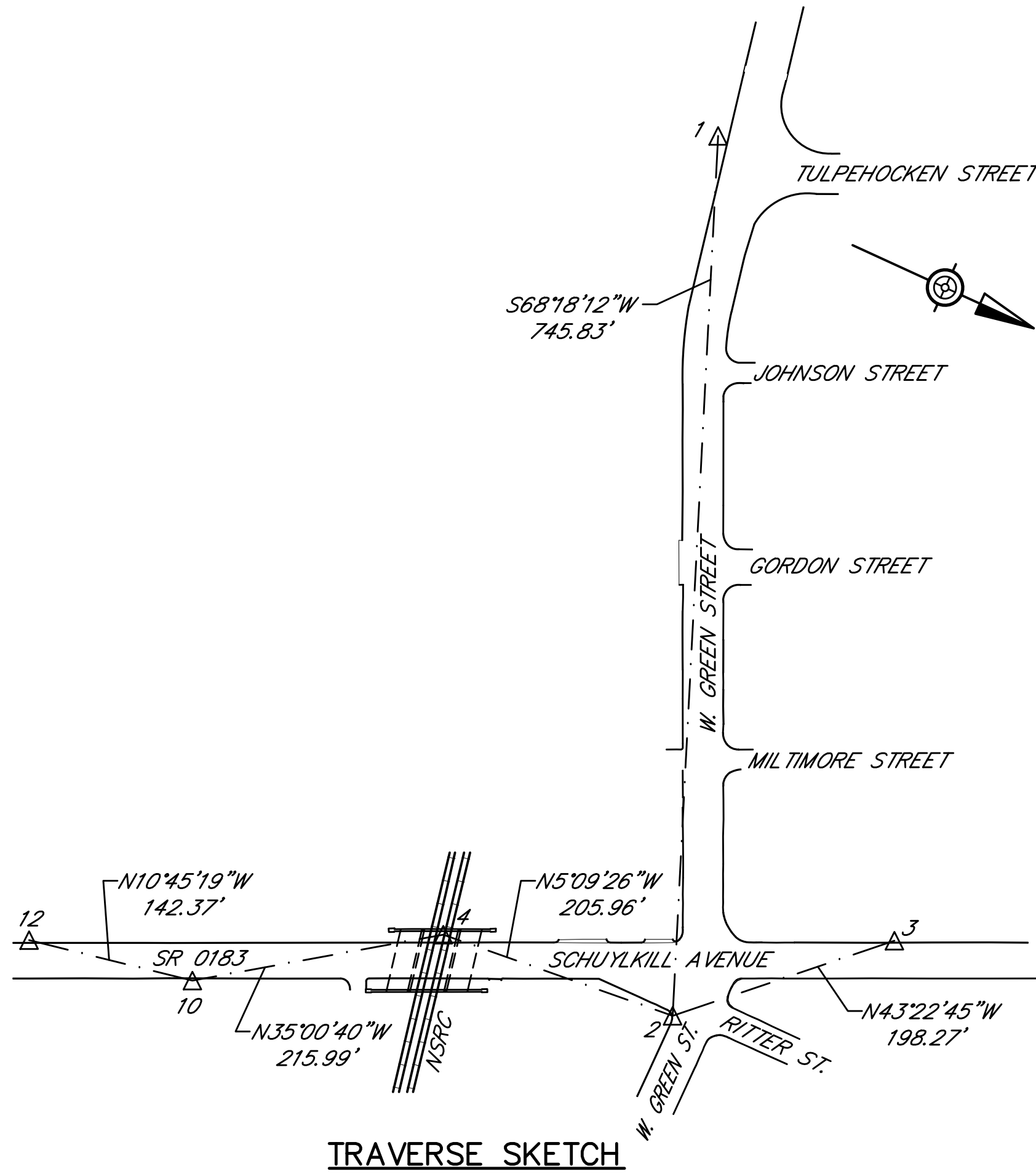


SUMMARY OF TRAVERSE CONTROL POINT COORDINATES
BASED ON PA STATE PLANE COORDINATE SYSTEM
SOUTH ZONE - NAD83 (2011)

POINT NO	DESCRIPTION	COORDINATES		STATION	OFFSET
		NORTH	EAST		
TP#12	DRILL HOLE	372519.4456	2473482.8675	1+94.98	17.22' LT
TP#10	DRILL HOLE	372659.3187	2473456.2982	3+33.19	16.94' RT
TP#4	DRILL HOLE	372836.2273	2473332.3745	5+45.66	21.93' LT
TP#2	MAG NAIL	373041.3493	2473313.8615	7+39.82	46.76' RT
TP#3	DRILL HOLE	373185.4588	2473177.6833	9+27.58	16.93' LT
TP#1	REBAR W/CAP	372765.6224	2472620.8714	11+03.94	27.09' RT
TP#13	MAG NAIL	373575.8243	2473034.4506	13+42.12	15.64' RT
TP#29	DRILL HOLE	372703.2095	2474283.4305	26+31.00	22.71' RT
TP#43	MAG NAIL	373145.2394	2474238.9542	30+72.99	22.22' LT

NOTE: FOUR (4) PLACE COORDINATES ARE USED FOR COMPUTATIONAL PURPOSES ONLY AND DO NOT IMPLY A PRECISION BEYOND TWO (2) DECIMAL PLACES.

(W. GREEN ST.)
(FRONT ST.)
(FRONT ST.)



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	5 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY

SUMMARY OF PROJECT COORDINATES
BASED ON PA STATE PLANE COORDINATE SYSTEM
SOUTH ZONE - NAD83 (2011)

RTE.	STATION	POINT	COORDINATES		BEARING
			NORTH	EAST	
SR 0183 SURVEY & CONSTR E	0+00.00	POT	372349.4071	2473579.8162	N 24°38'29" W
	7+65.52	POT	373045.2114	2473260.6433	N 24°38'29" W
	16+00.00	POT	373803.7028	2472912.7151	

RTE.	STATION	POINT	COORDINATES		BEARING
			NORTH	EAST	
WEST BUTTWOOD ST SURVEY & CONSTR E	50+00.00	POT	372266.3764	2473397.8655	N 65°21'31" E
	52+00.00	POT	372349.4071	2473579.8162	N 65°21'31" E
	56+14.39	PI *	372522.5397	2473956.3076	S 89°56'29" E
	59+18.62	POT	372522.2287	2474260.5389	S 89°56'29" E
	62+00.00	POT	372521.9411	2474541.9156	

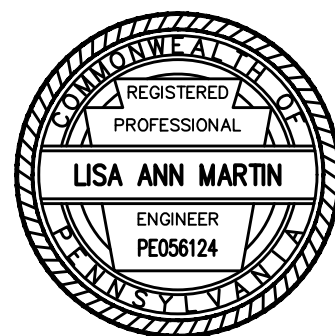
* NO CURVE

RTE.	STATION	POINT	COORDINATES		BEARING
			NORTH	EAST	
SR 0183 NORTH FRONT ST SURVEY & CONSTR E	22+00.00	POT	372272.2289	2474260.2834	N 00°03'31" E
	24+50.00	POT	372522.2287	2474260.5389	N 00°03'31" E
	30+60.12	POT	373132.3437	2474261.1626	N 00°03'31" E
	35+27.05	POT	373599.2736	2474261.6399	N 00°03'31" E
	38+00.00	POT	373872.2280	2474261.9189	

RTE.	STATION	POINT	COORDINATES		BEARING
			NORTH	EAST	
WEST GREENWICH ST SURVEY & CONSTR E	70+00.00	POT	373502.1458	2472831.0048	N 65°21'31" E
	72+00.00	POT	373585.5334	2473012.7918	
	72+00.00	POT	373600.5572	2473005.9002	S 89°56'29" E
	84+55.74	POT	373599.2736	2474261.6399	S 89°56'29" E
	88+00.00	POT	373598.9217	2474605.8994	

RTE.	STATION	POINT	COORDINATES		BEARING
			NORTH	EAST	
WEST GREEN ST SURVEY & CONSTR E	0+00.00	POT	373132.3437	2474261.1626	S 78°57'44" W
	3+00.00	POT	373074.9074	2473966.7121	
	10+00.00	POT	372771.7329	2472513.6344	N 78°39'09" E
	12+35.91	PC	372818.1496	2472744.9317	N 78°39'09" E
	12+73.65	PI	372825.5759	2472781.9371	N 65°21'14" E
	13+11.06	PT	372841.3153	2472816.2420	N 65°21'14" E
	18+00.00	POT	373045.2114	2473260.6433	

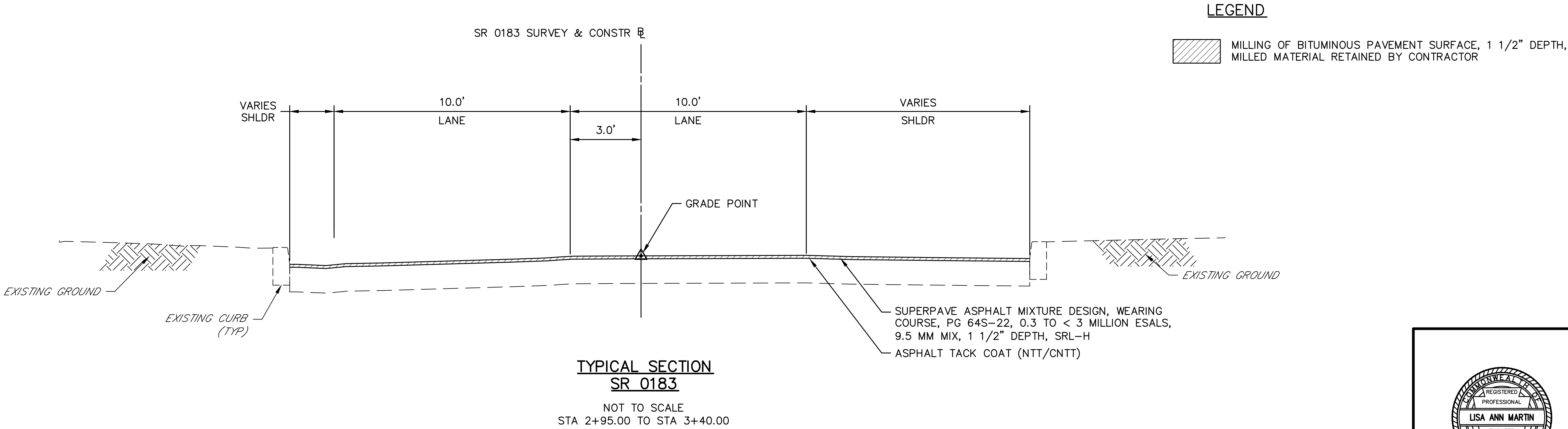
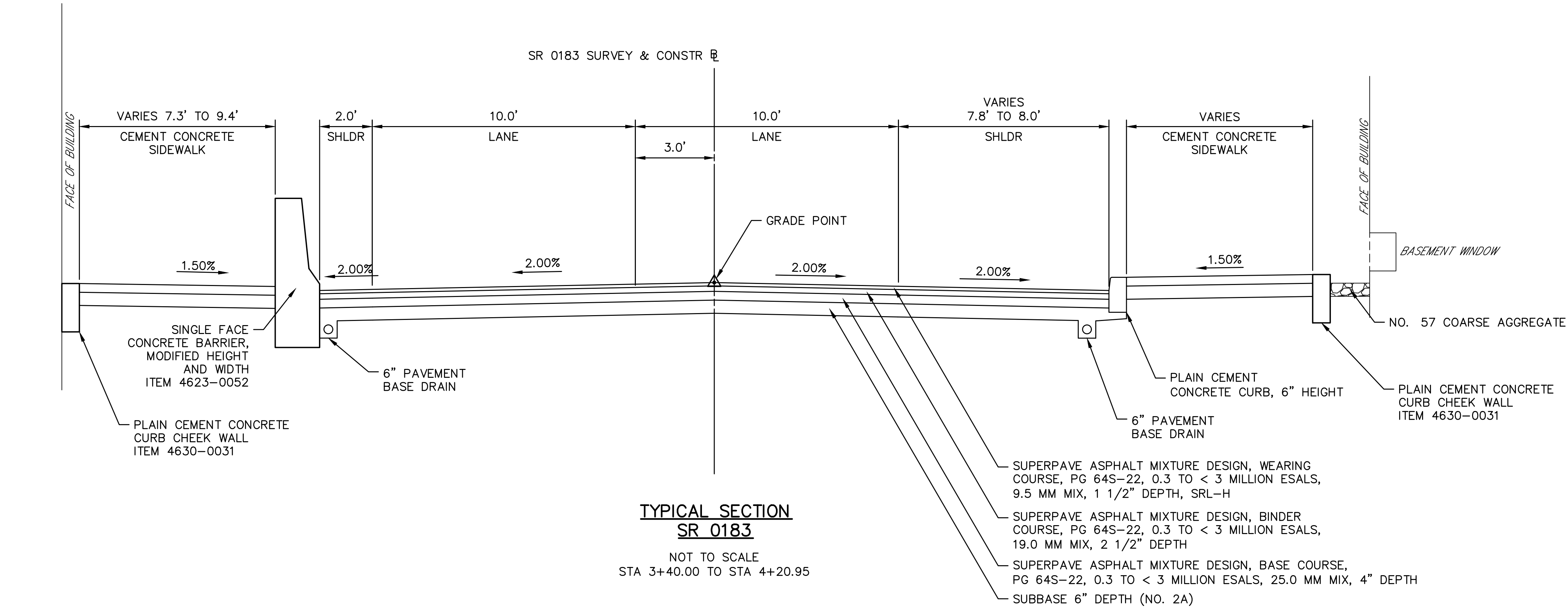
NOTE: FOUR (4) PLACE COORDINATES ARE USED FOR COMPUTATIONAL PURPOSES ONLY AND DO NOT IMPLY A PRECISION BEYOND TWO (2) DECIMAL PLACES.



REFERENCE CIRCLES

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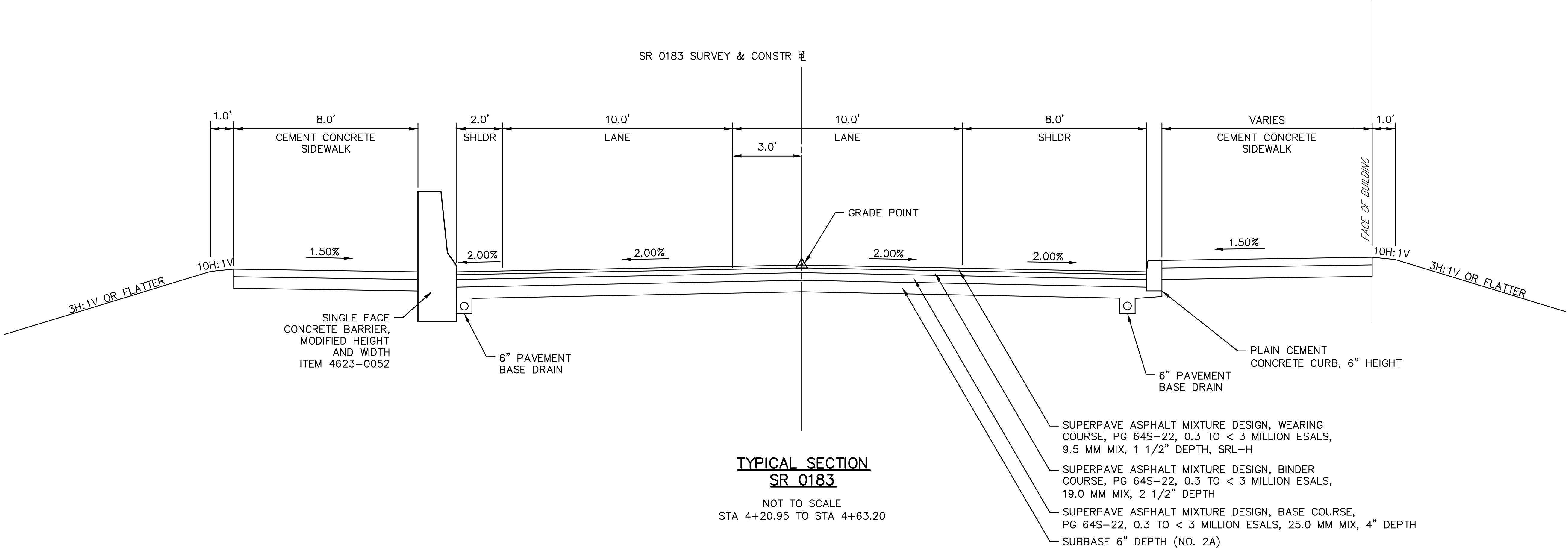
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	6 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY



TYPICAL SECTIONS

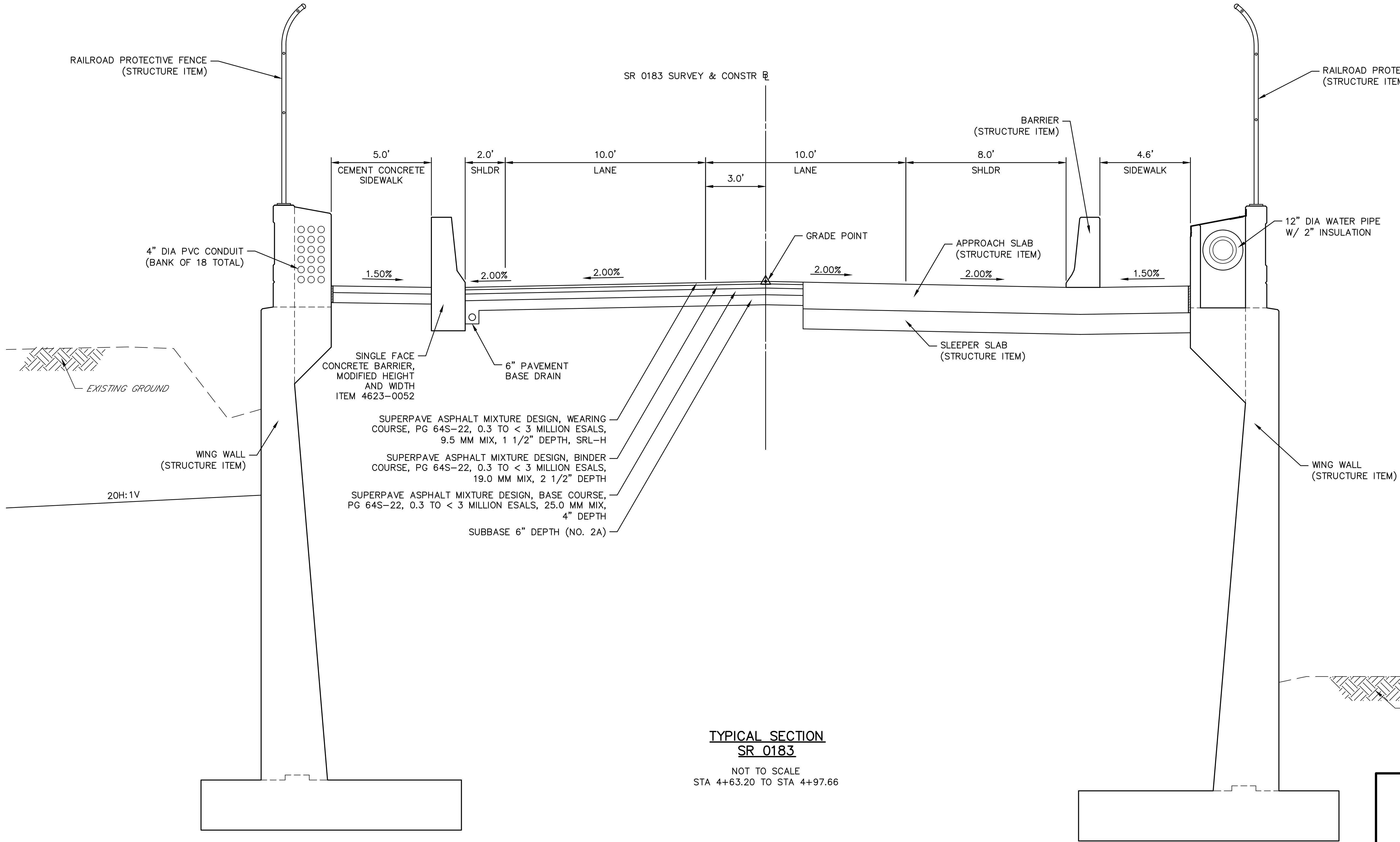


DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	7 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY



TYPICAL SECTIONS

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	8 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY



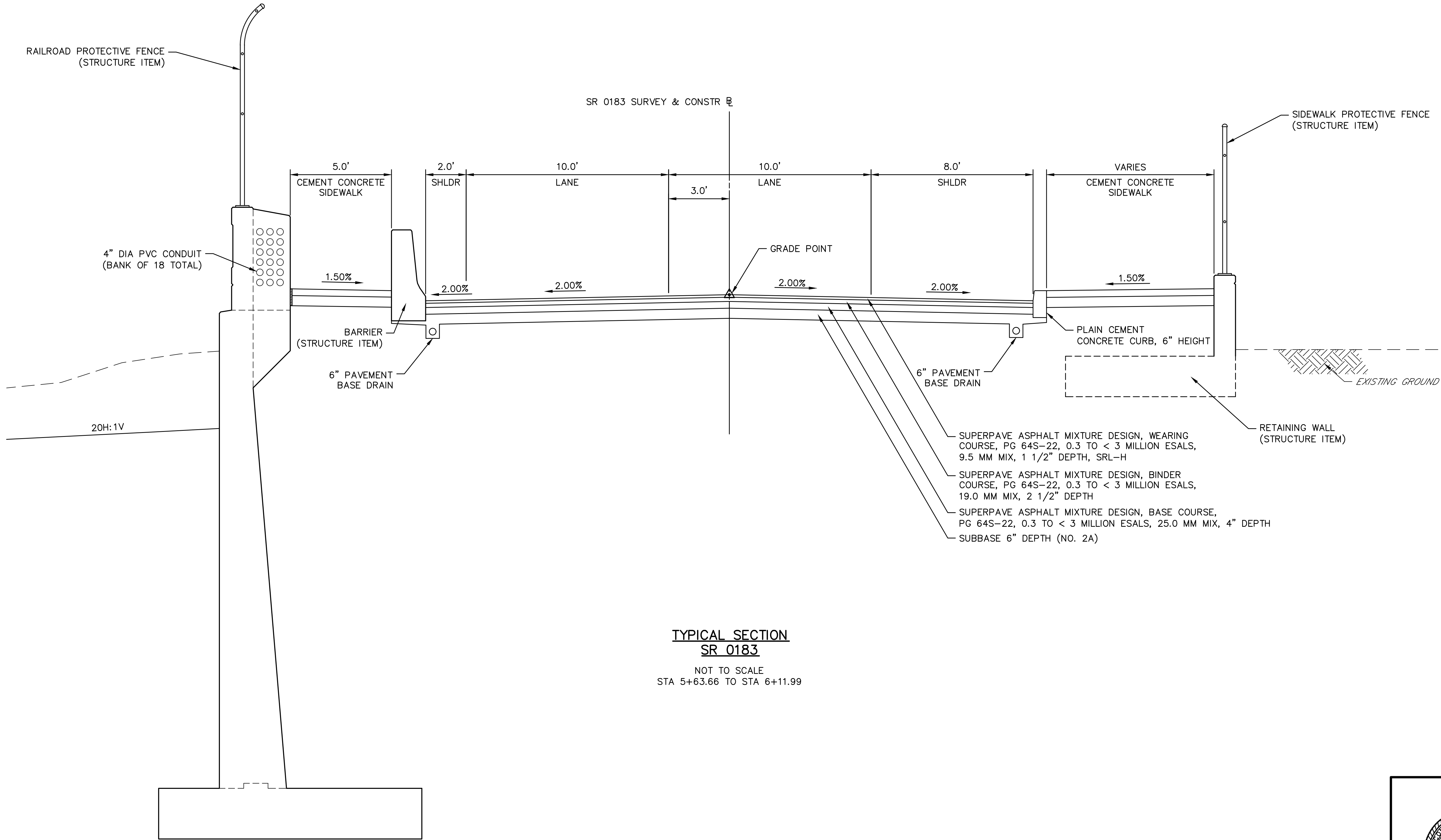
TYPICAL SECTIONS



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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	9 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY



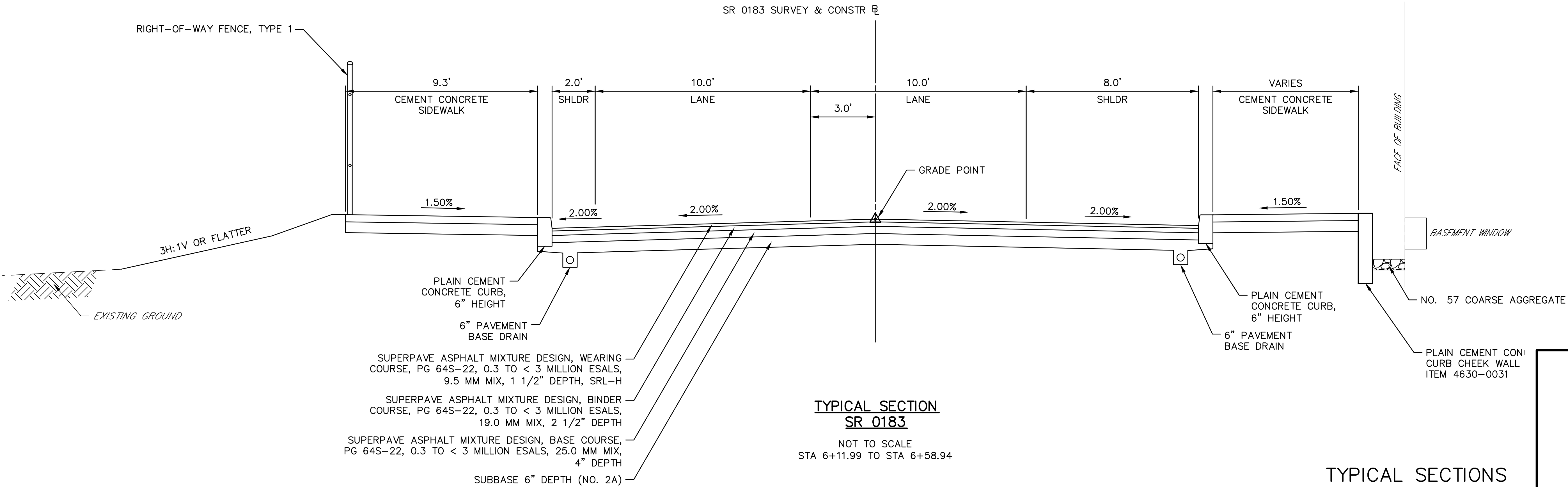
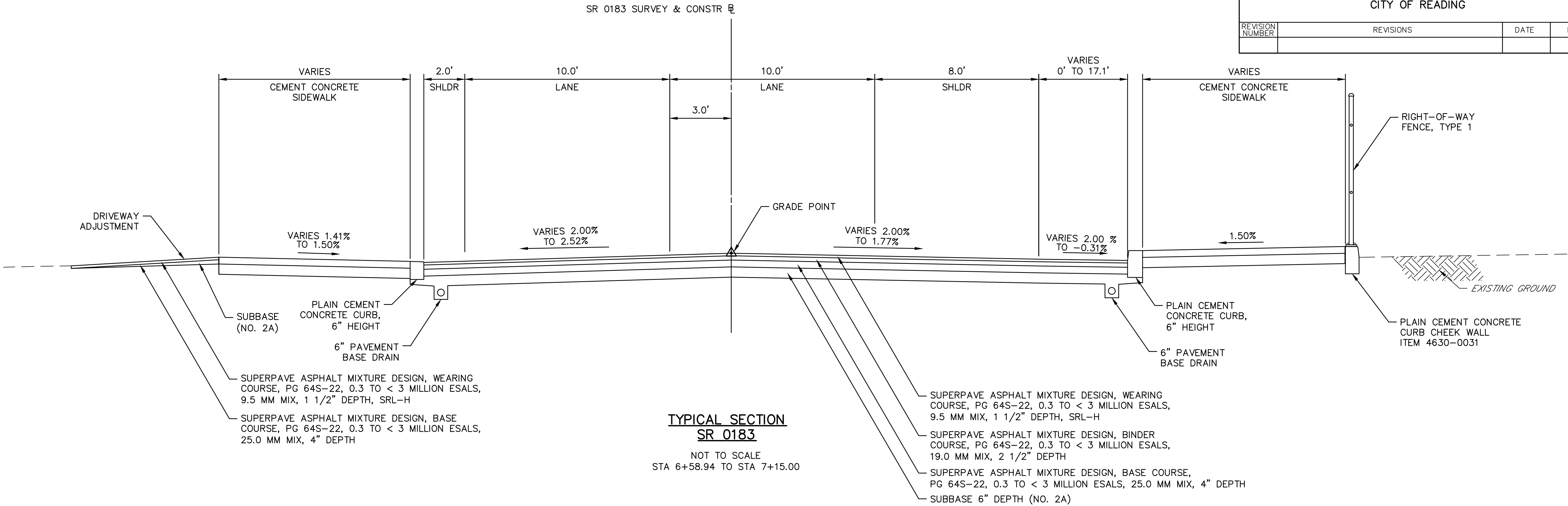
TYPICAL SECTION
SR 0183
NOT TO SCALE
STA 5+63.66 TO STA 6+11.99

TYPICAL SECTIONS



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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	10 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY

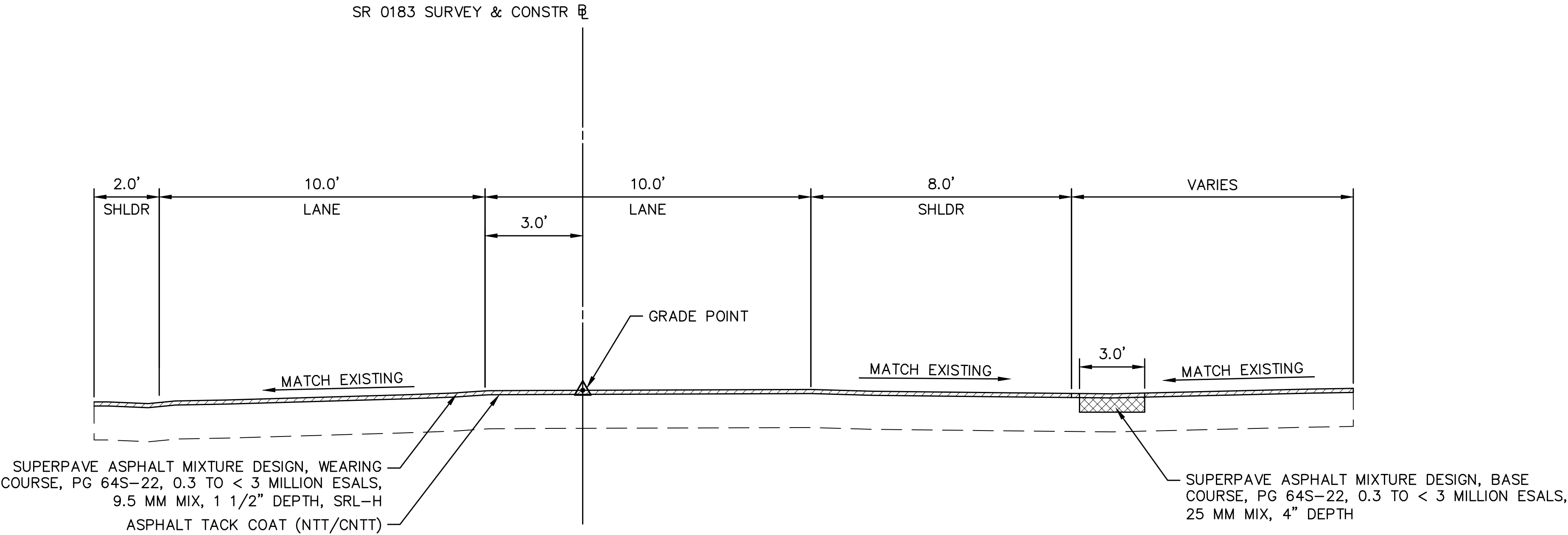


TYPICAL SECTIONS



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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	11 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY



TYPICAL SECTION
SR 0183
NOT TO SCALE
STA 7+15.00 TO STA 8+20.00

LEGEND

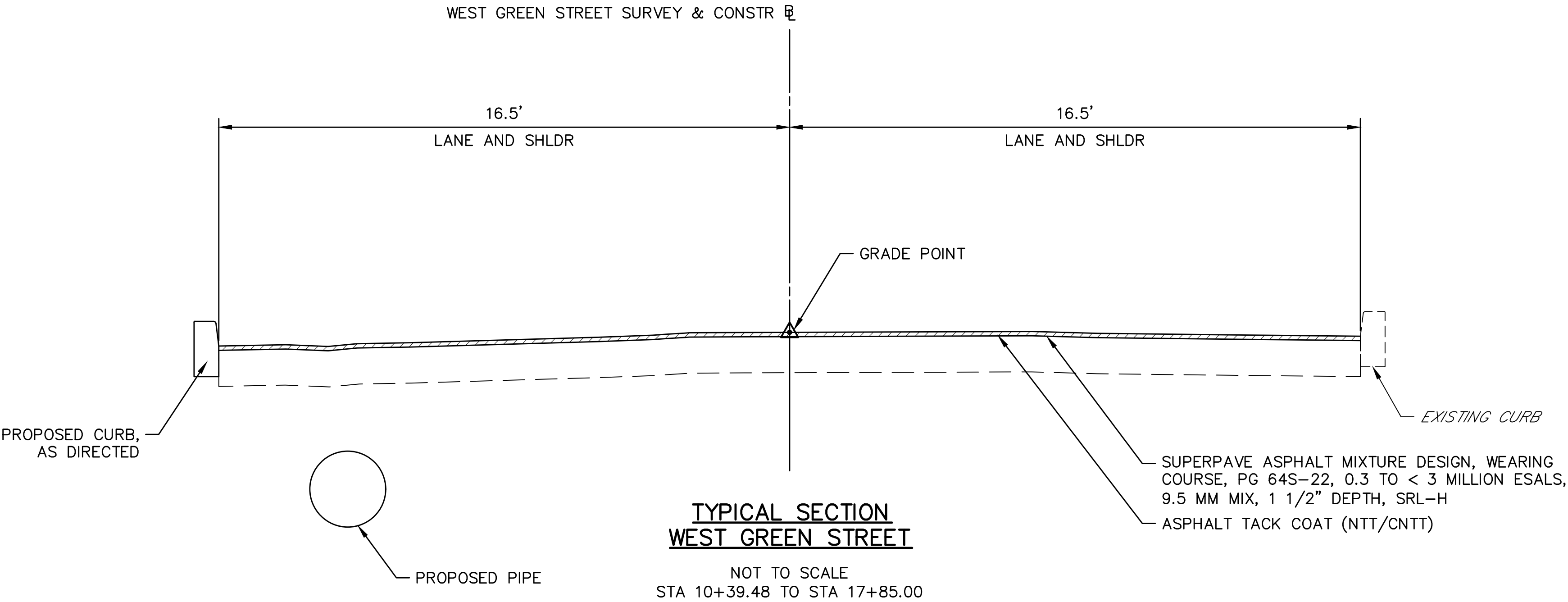
- MILLING OF BITUMINOUS PAVEMENT SURFACE, 1 1/2" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR
- EXISTING BRICKS IN PAVEMENT TO BE REMOVED



TYPICAL SECTIONS

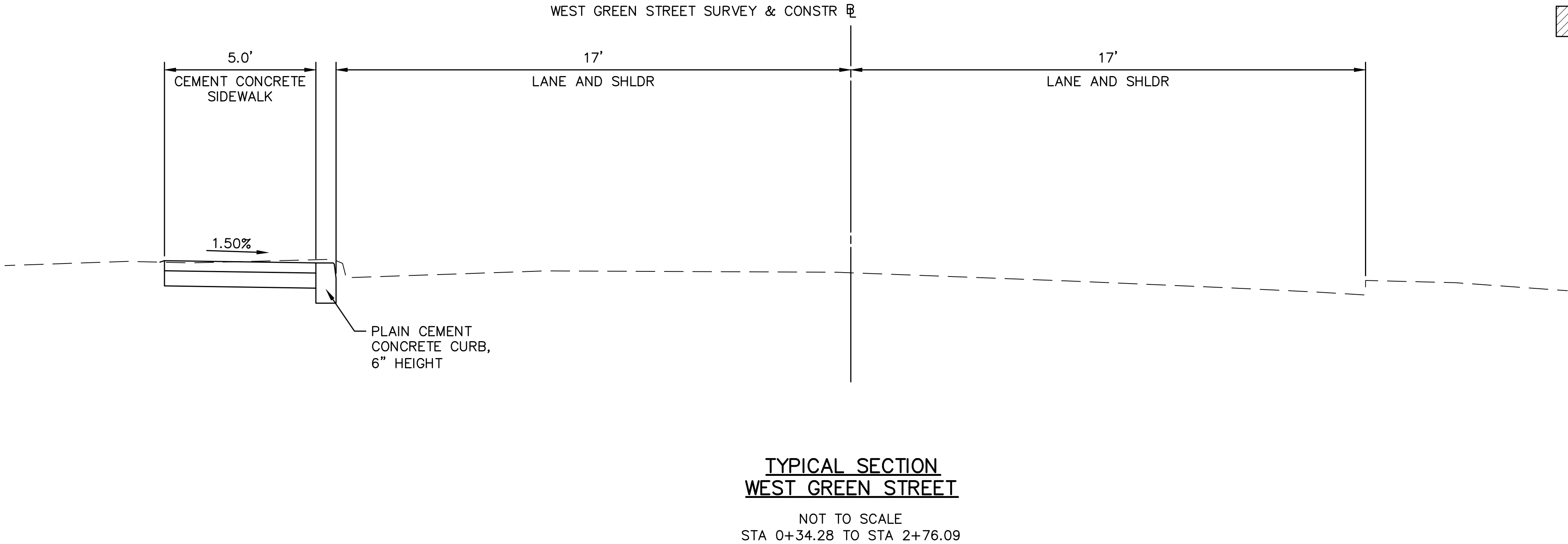
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	12 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY



LEGEND

MILLING OF BITUMINOUS PAVEMENT SURFACE, 1 1/2" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR

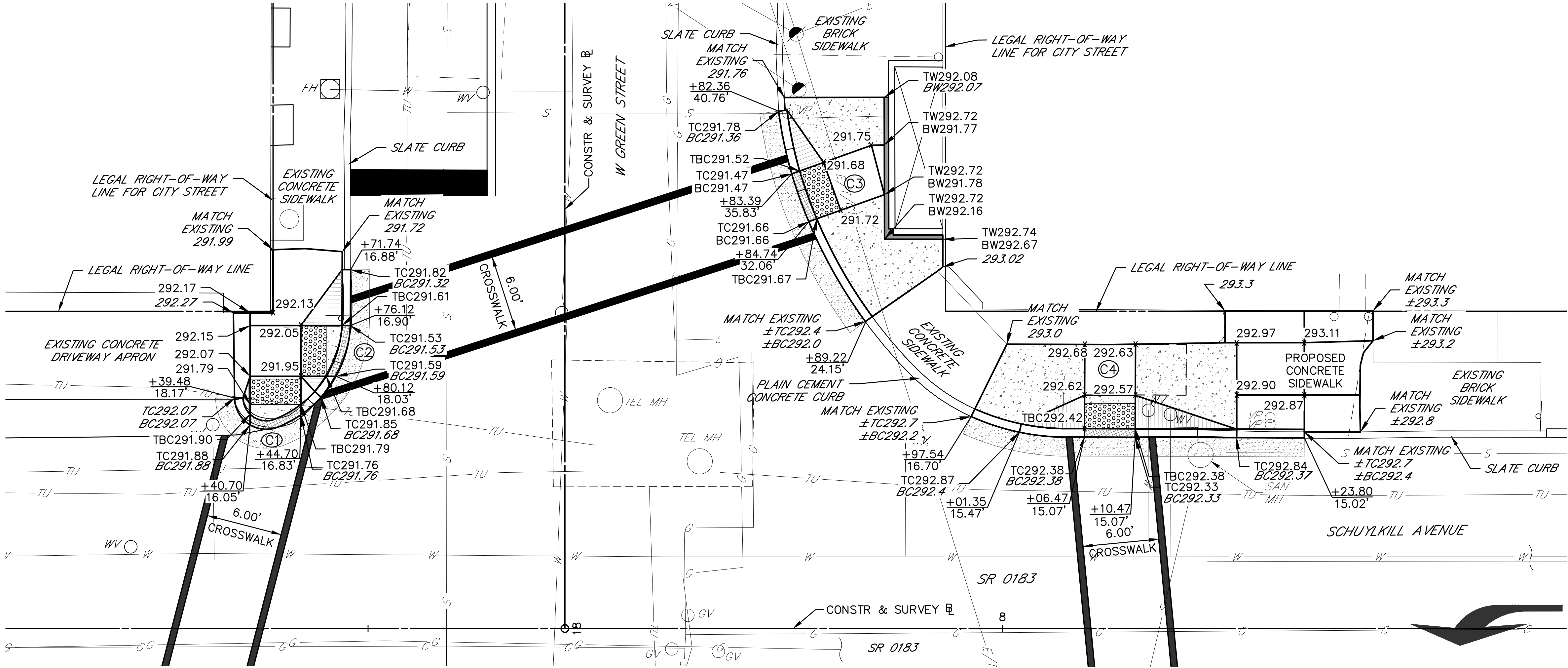


TYPICAL SECTIONS



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	13 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS			DATE BY

CURB RAMP ID	RAMP TYPE	CONSTRUCTION	RAMP @ STATION	RAMP LOCATION
C1	TYPE 1 W/ SHARED LANDING	SR 0183	7+42 LT	17
C2	TYPE 1 WITH SHARED LANDING	SR 0183	7+78 LT	19
C3	TYPE 1	SR 0183	7+84 LT	2
C4	TYPE 1	SR 0183	8+12 LT	4

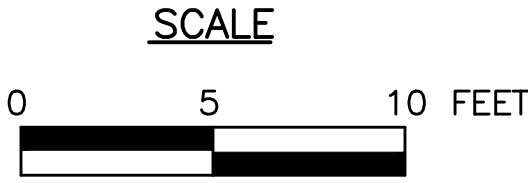


NOTE:

- FULL DWS PANELS ARE TO BE USED WHEREVER POSSIBLE. IN CASES WHERE TRANSITIONAL SLOPES ACROSS THE DWS AREA PREVENT THE USE OF FULL PANELS, DWS ARE TO BE CONSTRUCTED WITH 12"x12" TILES.
- ITALICIZED TEXT DENOTES EXISTING FEATURE, SLOPE, AND/OR DIMENSION.

LEGEND

	PROPOSED CURB RAMP IDENTIFIER		PROPOSED PLAIN CEMENT DEPRESSED CURB
	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CONCRETE RAMP
	PROPOSED LANDING		PROPOSED CHEEKWALL
	PROPERTY LINE PROPOSED SPOT ELEVATION		PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
	PROPOSED TOP CURB/BOTTOM		PEDESTRIAN BUTTON
	PROPOSED TOP CHEEKWALL		EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
	STORM INLET		PROPOSED SLOPE WITH FLOW ARROW
	RAMP SIDE FLARE		PROPOSED DIMENSION
	ROUNDED CONCRETE SURFACE		PROPOSED TRAFFIC SIGNAL SUPPORT TIF REQUIRED
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)		UTILITY POLE



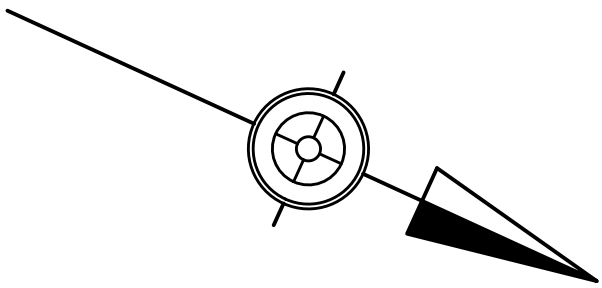
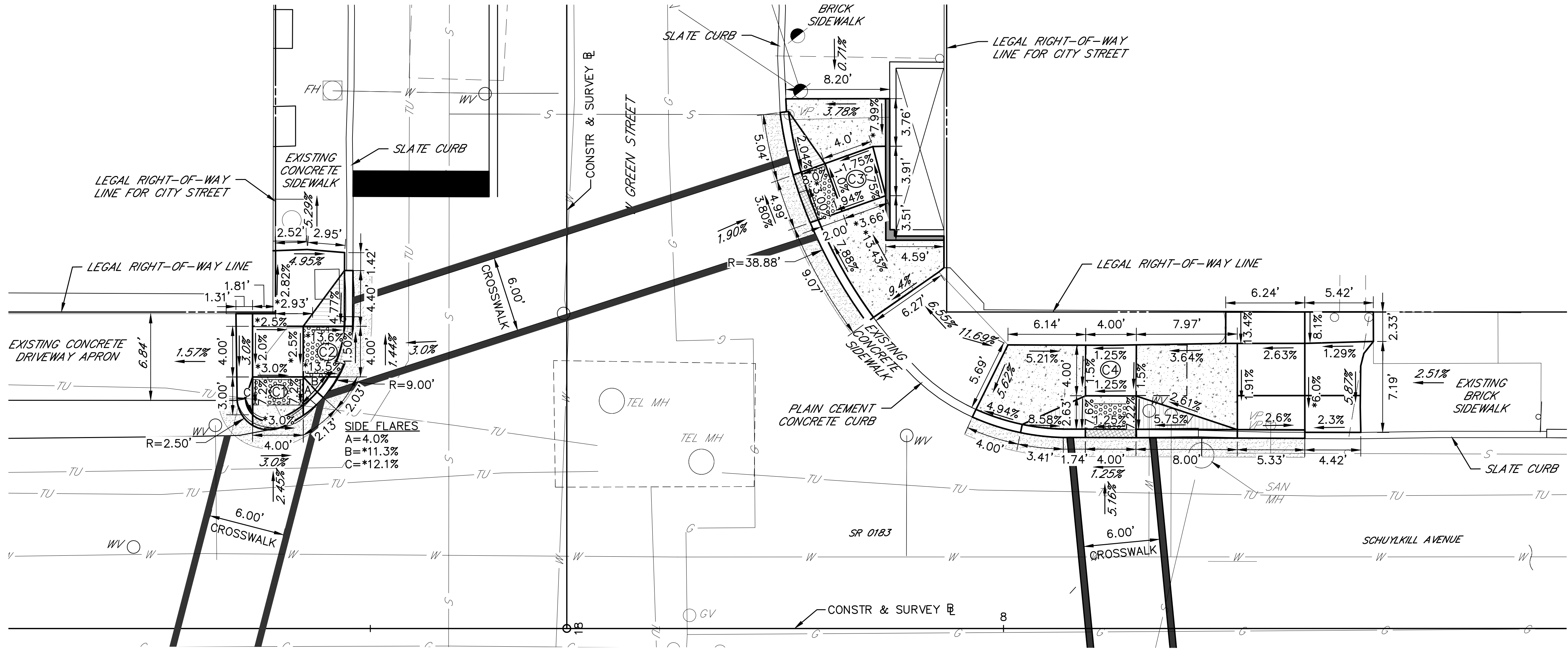
SR 0183 – SCHUYLKILL AND W GREEN
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



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CURB RAMP ID	RAMP TYPE	CONSTRUCTION #	RAMP @ STATION	RAMP LOCATION
C1	TYPE 1 W/ SHARED LANDING	SR 0183	7+42 LT	17
C2	TYPE 1 WITH SHARED LANDING	SR 0183	7+78 LT	19
C3	TYPE 1	SR 0183	7+84 LT	2
C4	TYPE 1	SR 0183	8+12 LT	4

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	14 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS	DATE	BY	

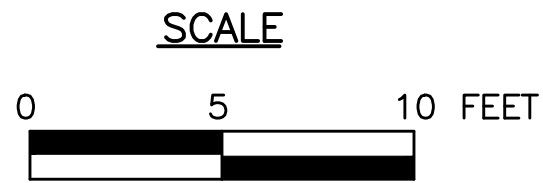


NOTE:

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- ITALICIZED TEXT DENOTES EXISTING FEATURE, SLOPE, AND/OR DIMENSION.

LEGEND

	PROPOSED CURB RAMP IDENTIFIER		PROPOSED PLAIN CEMENT DEPRESSED CURB
	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CONCRETE RAMP
	PROPOSED LANDING		PROPOSED CHEEKWALL
	PROPERTY LINE		PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
	PROPOSED SPOT ELEVATION		PEDESTRIAN BUTTON
	PROPOSED TOP CURB/BOTTOM		EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
	PROPOSED TOP CHEEKWALL		PROPOSED SLOPE WITH FLOW ARROW
	STORM INLET		PROPOSED DIMENSION
	RAMP SIDE FLARE		PROPOSED TRAFFIC SIGNAL SUPPORT
	ROUNDED CONCRETE SURFACE		TIF REQUIRED
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)		UTILITY POLE



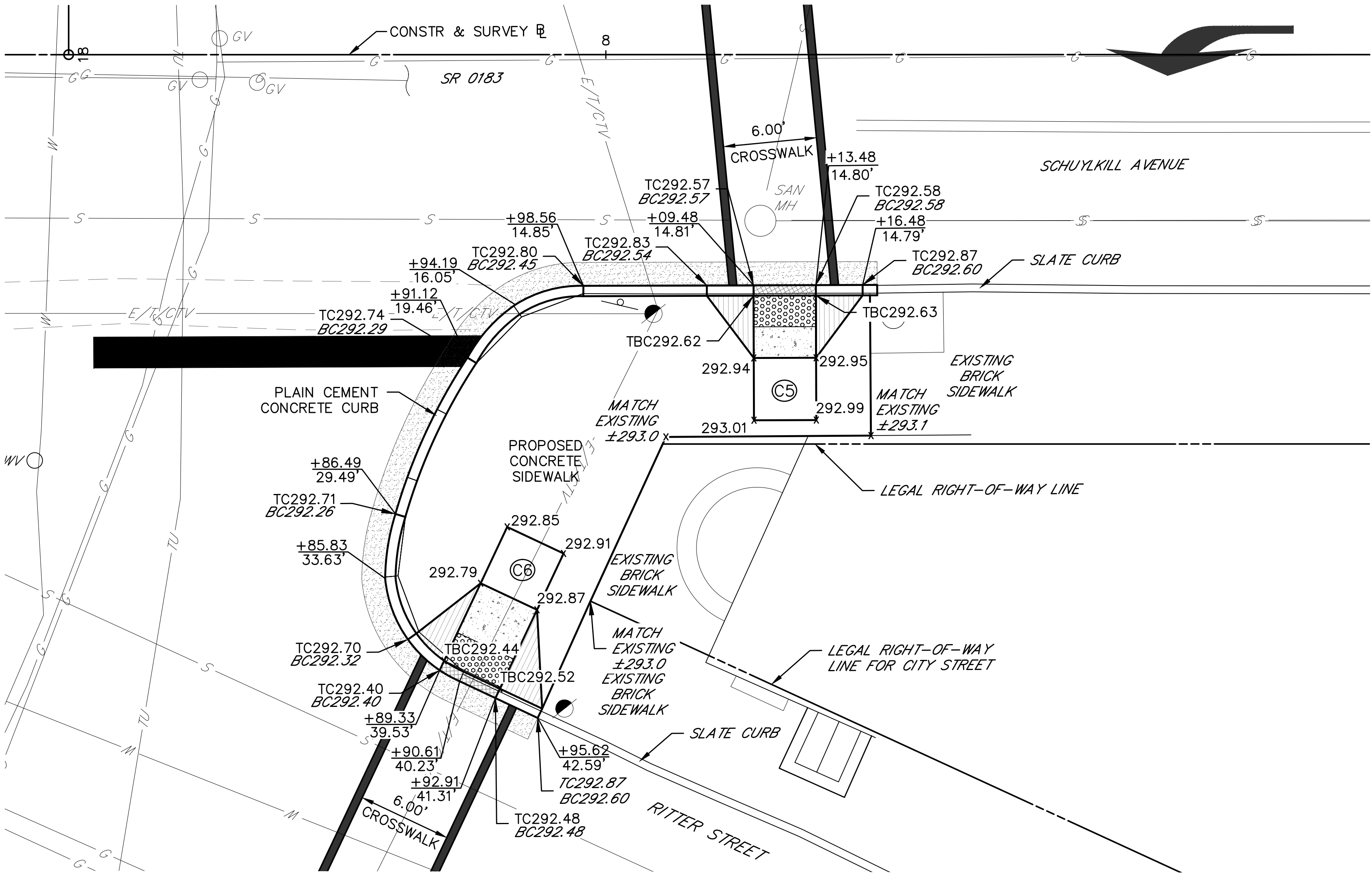
SR 0183 – SCHUYLKILL AND W GREEN
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



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CURB RAMP ID	RAMP TYPE	CONSTRUCTION	RAMP C STATION	RAMP LOCATION
C5	TYPE 1	SR 0183	8+11 RT	7
C6	TYPE 1	SR 0183	7+91 RT	4

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	15 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY

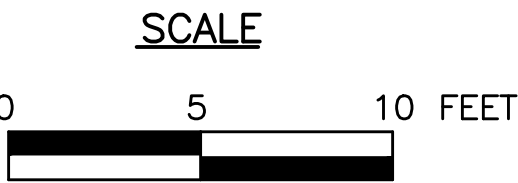


NOTE:

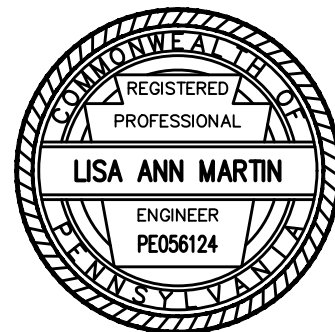
- FULL DWS PANELS ARE TO BE USED WHEREVER POSSIBLE. IN CASES WHERE TRANSITIONAL SLOPES ACROSS THE DWS AREA PREVENT THE USE OF FULL PANELS, DWS ARE TO BE CONSTRUCTED WITH 12"X12" TILES.
- ITALICIZED TEXT DENOTES EXISTING FEATURE, SLOPE, AND/OR DIMENSION.

LEGEND

	PROPOSED CURB RAMP IDENTIFIER		PROPOSED PLAIN CEMENT DEPRESSED CURB
	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CONCRETE RAMP
	PROPOSED LANDING		PROPOSED CHEEKWALL
	PROPERTY LINE		PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
	PROPOSED SPOT ELEVATION		PEDESTRIAN BUTTON
	PROPOSED TOP CURB/BOTTOM		EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
	PROPOSED TOP CHEEKWALL		PROPOSED SLOPE WITH FLOW ARROW
	STORM INLET		PROPOSED DIMENSION
	RAMP SIDE FLARE		PROPOSED TRAFFIC SIGNAL SUPPORT TIF REQUIRED
	ROUNDED CONCRETE SURFACE		UTILITY POLE
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)		

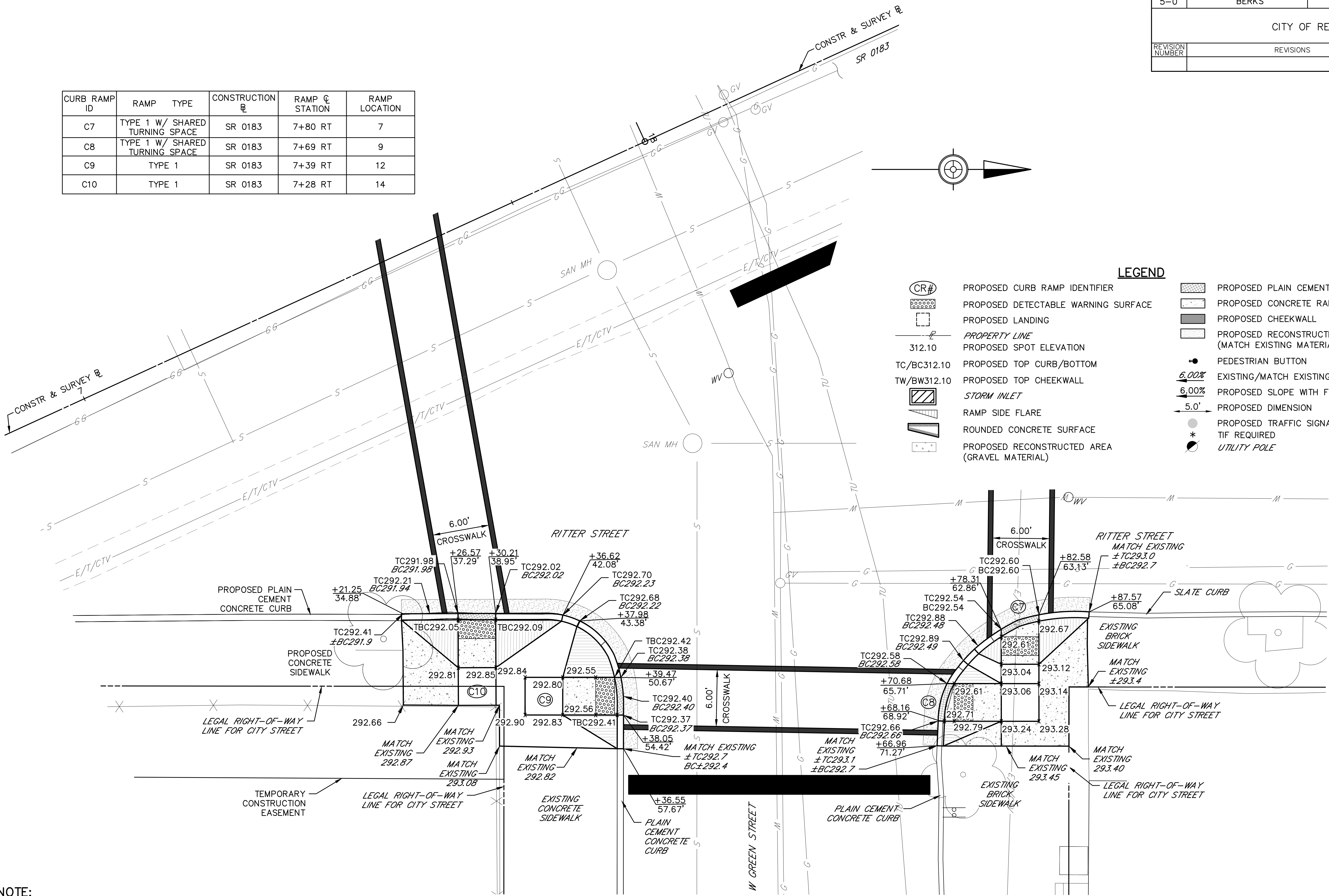


SR 0183 – SCHUYLKILL, W GREEN AND RITTER
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	17 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY

CURB RAMP ID	RAMP TYPE	CONSTRUCTION	RAMP C/STATION	RAMP LOCATION
C7	TYPE 1 W/ SHARED TURNING SPACE	SR 0183	7+80 RT	7
C8	TYPE 1 W/ SHARED TURNING SPACE	SR 0183	7+69 RT	9
C9	TYPE 1	SR 0183	7+39 RT	12
C10	TYPE 1	SR 0183	7+28 RT	14



LEGEND

CR# PROPOSED CURB RAMP IDENTIFIER

PROPOSED DETECTABLE WARNING SURFACE

PROPOSED LANDING

PROPERTY LINE

312.10 PROPOSED SPOT ELEVATION

TC/BC312.10 PROPOSED TOP CURB/BOTTOM

TW/BW312.10 PROPOSED TOP CHEEKWALL

STORM INLET

RAMP SIDE FLARE

ROUNDED CONCRETE SURFACE

PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)

PROPOSED PLAIN CEMENT DEPRESSED CURB

PROPOSED CONCRETE RAMP

PROPOSED CHEEKWALL

PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)

PEDESTRIAN BUTTON

EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW

PROPOSED SLOPE WITH FLOW ARROW

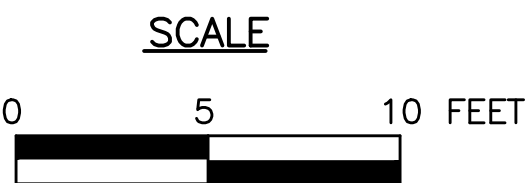
PROPOSED DIMENSION

PROPOSED TRAFFIC SIGNAL SUPPORT

TIF REQUIRED

UTILITY POLE

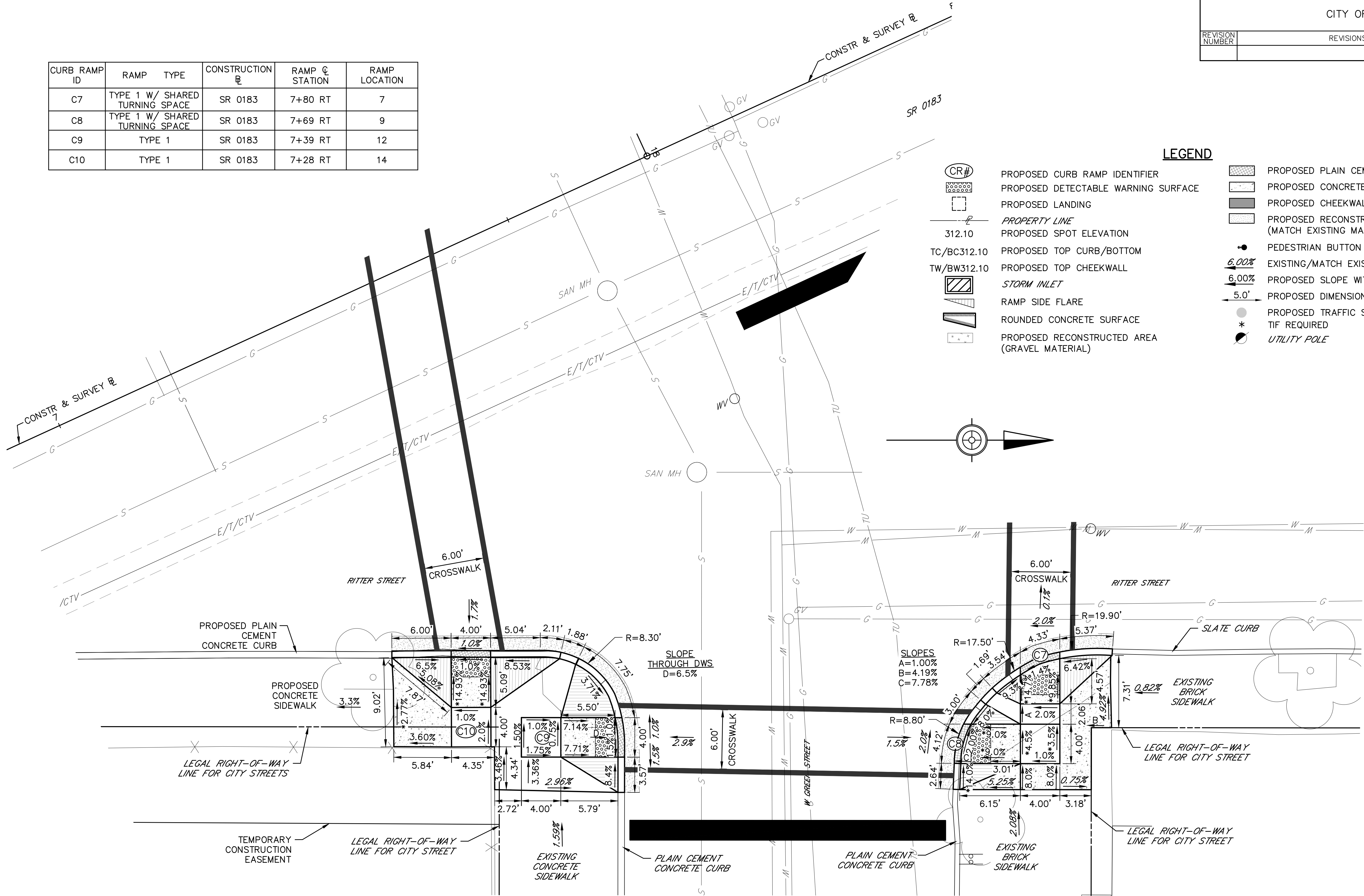
- NOTE:**
- FULL DWS PANELS ARE TO BE USED WHEREVER POSSIBLE. IN CASES WHERE TRANSITIONAL SLOPES ACROSS THE DWS AREA PREVENT THE USE OF FULL PANELS, DWS ARE TO BE CONSTRUCTED WITH 12"x12" TILES.
 - ITALICIZED TEXT DENOTES EXISTING FEATURE, SLOPE, AND/OR DIMENSION.



SR 0183 – W GREEN AND RITTER
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



CURB RAMP ID	RAMP TYPE	CONSTRUCTION	RAMP C STATION	RAMP LOCATION
C7	TYPE 1 W/ SHARED TURNING SPACE	SR 0183	7+80 RT	7
C8	TYPE 1 W/ SHARED TURNING SPACE	SR 0183	7+69 RT	9
C9	TYPE 1	SR 0183	7+39 RT	12
C10	TYPE 1	SR 0183	7+28 RT	14



NOTE:

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- ITALICIZED TEXT DENOTES EXISTING FEATURE, SLOPE, AND/OR DIMENSION.

CR#

PROPOSED CURB RAMP IDENTIFIER

PROPOSED DETECTABLE WARNING SURFACE

PROPOSED LANDING

312.10

PROPOSED SPOT ELEVATION

TC/BC312.10

PROPOSED TOP CURB/BOTTOM

TW/BW312.10

PROPOSED TOP CHEEKWALL

STORM INLET

RAMP SIDE FLARE

ROUNDED CONCRETE SURFACE

PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)

PROPOSED PLAIN CEMENT DEPRESSED CURB

PROPOSED CONCRETE RAMP

PROPOSED CHEEKWALL

PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)

PEDESTRIAN BUTTON

6.00%

EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW

6.00%

PROPOSED SLOPE WITH FLOW ARROW

5.0'

PROPOSED DIMENSION

PROPOSED TRAFFIC SIGNAL SUPPORT TIF REQUIRED

UTILITY POLE

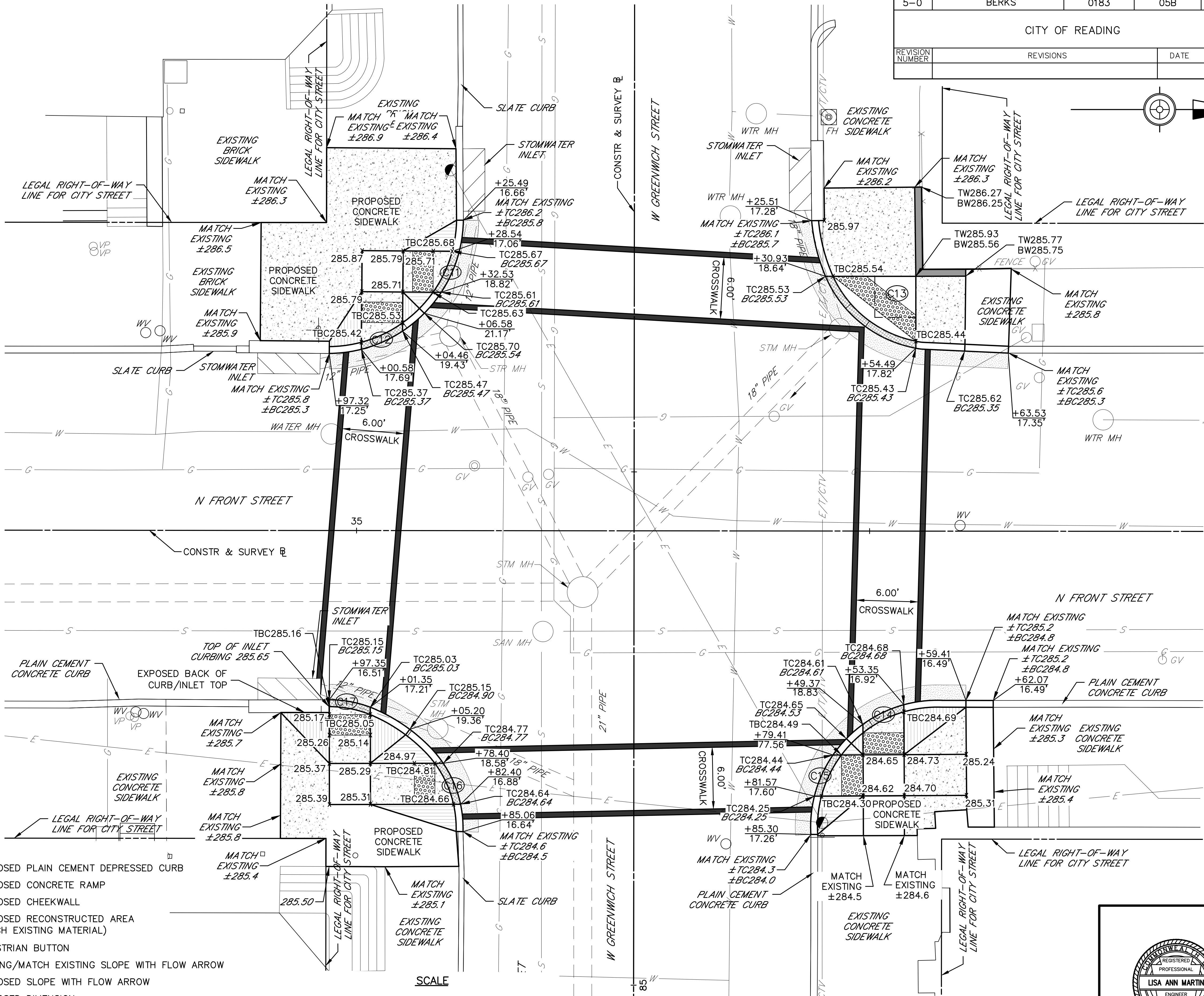
SR 0183 – W GREEN AND RITTER
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



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CURB RAMP ID	RAMP TYPE	CONSTRUCTION @	RAMP @ STATION	RAMP LOCATION
C11	TYPE 1 WITH SHARED TURNING SPACE	W. GREENWICH ST	84+30 RT	19
C12	TYPE 1 WITH SHARED TURNING SPACE	N. FRONT ST	35+02 LT	17
C13	TYPE 1A	N. FRONT ST	35+51 LT	3
C14	TYPE 1 WITH SHARED TURNING SPACE	N. FRONT ST	35+51 RT	7
C15	TYPE 1 WITH SHARED TURNING SPACE	W. GREENWICH ST	84+80 LT	9
C16	TYPE 1 WITH SHARED TURNING SPACE	W. GREENWICH ST	84+80 RT	12
C17	TYPE 1 WITH SHARED TURNING SPACE	N. FRONT ST	34+99 RT	14

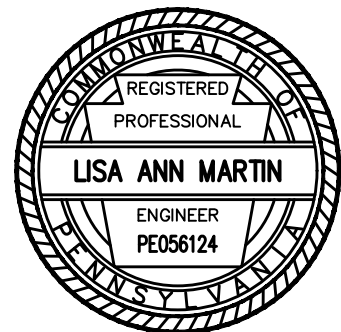
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	19 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS	DATE	BY	



- NOTE:**
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 - ITALICIZED TEXT DENOTES EXISTING FEATURE, SLOPE, AND/OR DIMENSION.

LEGEND	
	PROPOSED CURB RAMP IDENTIFIER
	PROPOSED DETECTABLE WARNING SURFACE
	PROPOSED LANDING
	PROPERTY LINE
312.10	PROPOSED SPOT ELEVATION
TC/BC312.10	PROPOSED TOP CURB/BOTTOM
TW/BW312.10	PROPOSED TOP CHEEKWALL
	STORM INLET
	RAMP SIDE FLARE
	ROUNDED CONCRETE SURFACE
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)
	PROPOSED PLAIN CEMENT DERESSED CURB
	PROPOSED CONCRETE RAMP
	PROPOSED CHEEKWALL
	PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
	PEDESTRIAN BUTTON
	EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
	PROPOSED SLOPE WITH FLOW ARROW
	PROPOSED DIMENSION
	PROPOSED TRAFFIC SIGNAL SUPPORT
	TIF REQUIRED
	UTILITY POLE

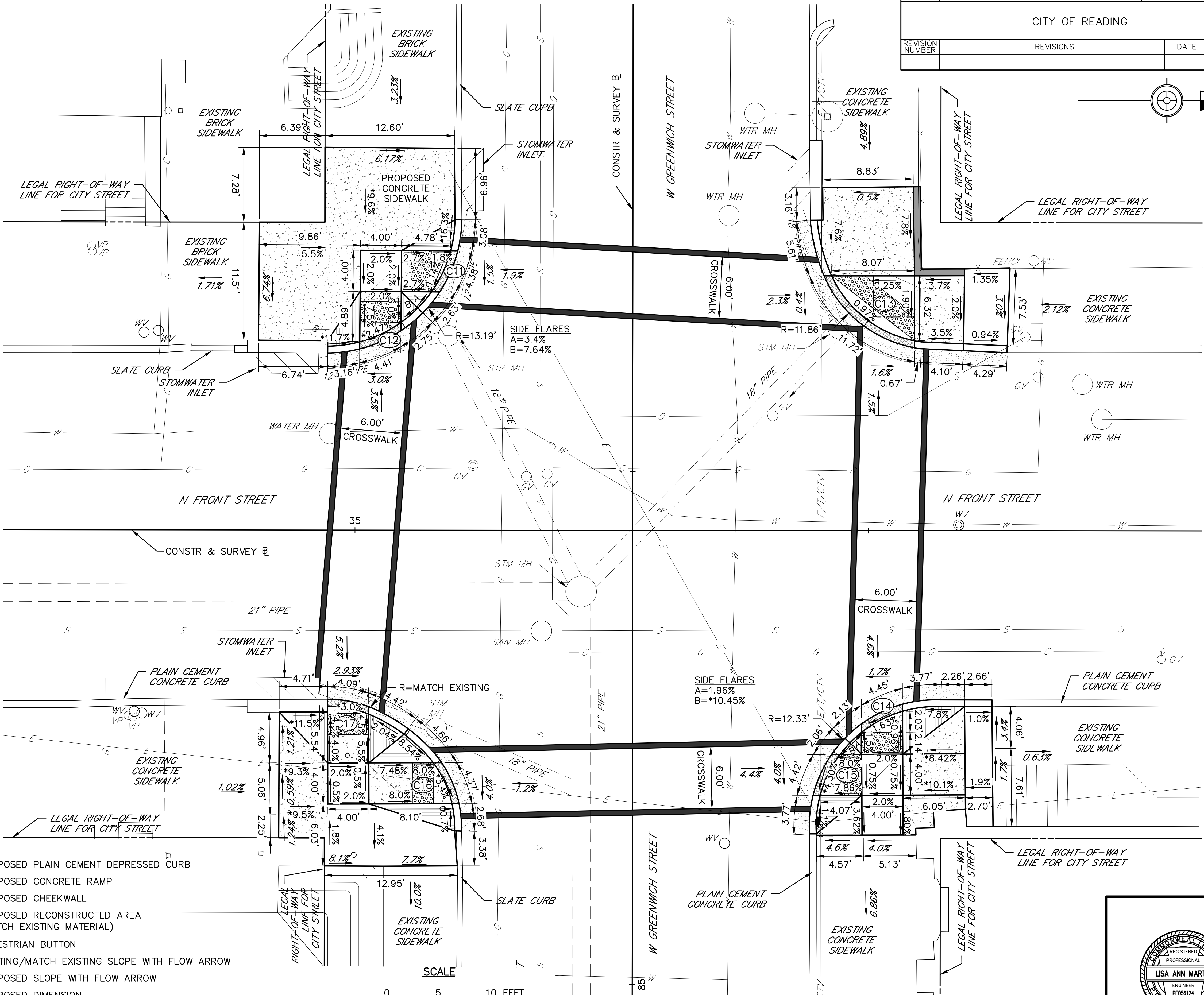
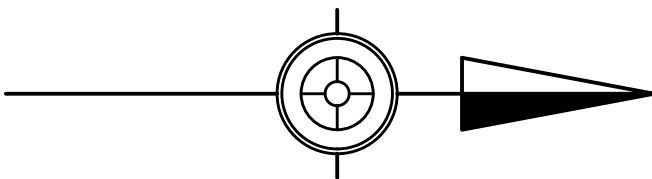
SR 0183 – N FRONT AND W GREENWICH
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



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CURB RAMP ID	RAMP TYPE	CONSTRUCTION	RAMP STATION	RAMP LOCATION
C11	TYPE 1 WITH SHARED TURNING SPACE	W. GREENWICH ST	84+30 RT	19
C12	TYPE 1 WITH SHARED TURNING SPACE	N. FRONT ST	35+02 LT	17
C13	TYPE 1A	N. FRONT ST	35+51 LT	3
C14	TYPE 1 WITH SHARED TURNING SPACE	N. FRONT ST	35+51 RT	7
C15	TYPE 1 WITH SHARED TURNING SPACE	W. GREENWICH ST	84+80 LT	9
C16	TYPE 1 WITH SHARED TURNING SPACE	W. GREENWICH ST	84+80 RT	12
C17	TYPE 1 WITH SHARED TURNING SPACE	N. FRONT ST	34+99 RT	14

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	20 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS	DATE	BY	



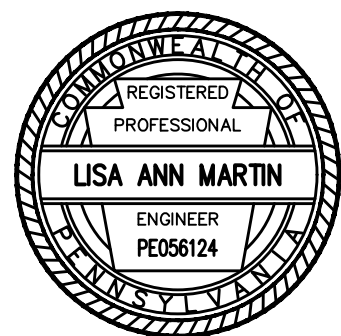
NOTE:

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LEGEND

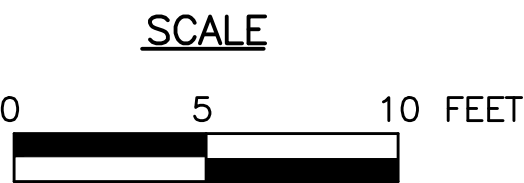
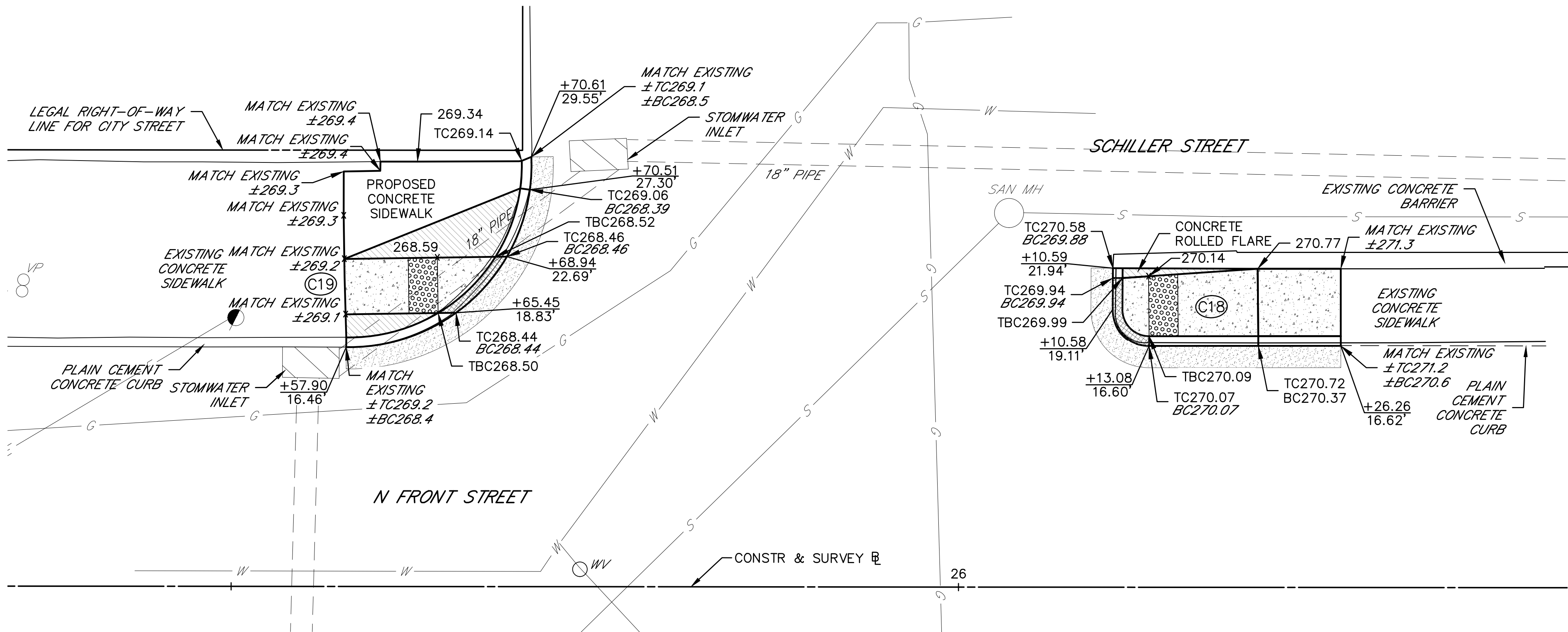
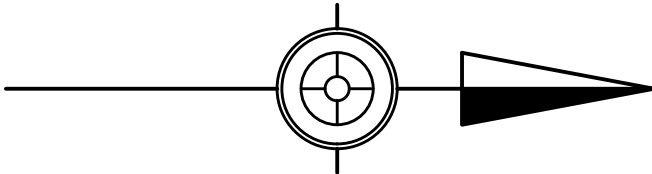
	PROPOSED CURB RAMP IDENTIFIER		PROPOSED PLAIN CEMENT DEPRESSED CURB
	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CONCRETE RAMP
	PROPOSED LANDING		PROPOSED CHEEKWALL
	PROPERTY LINE		PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
	PROPOSED SPOT ELEVATION		PEDESTRIAN BUTTON
TC/BC312.10	PROPOSED TOP CURB/BOTTOM		EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
TW/BW312.10	PROPOSED TOP CHEEKWALL		PROPOSED SLOPE WITH FLOW ARROW
	STORM INLET		PROPOSED DIMENSION
	RAMP SIDE FLARE		PROPOSED TRAFFIC SIGNAL SUPPORT
	ROUNDED CONCRETE SURFACE		TIF REQUIRED
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)		UTILITY POLE

SR 0183 – N FRONT AND W GREENWICH
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



CURB RAMP ID	RAMP TYPE	CONSTRUCTION	RAMP STATION	RAMP LOCATION
C18	TYPE 4A PARALLEL	N. FRONT ST	26+10 LT	2
C19	TYPE 4A PARALLEL	N. FRONT ST	25+84 LT	19

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	21 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS	DATE	BY	



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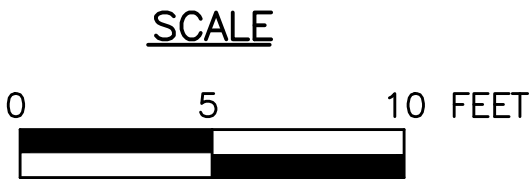
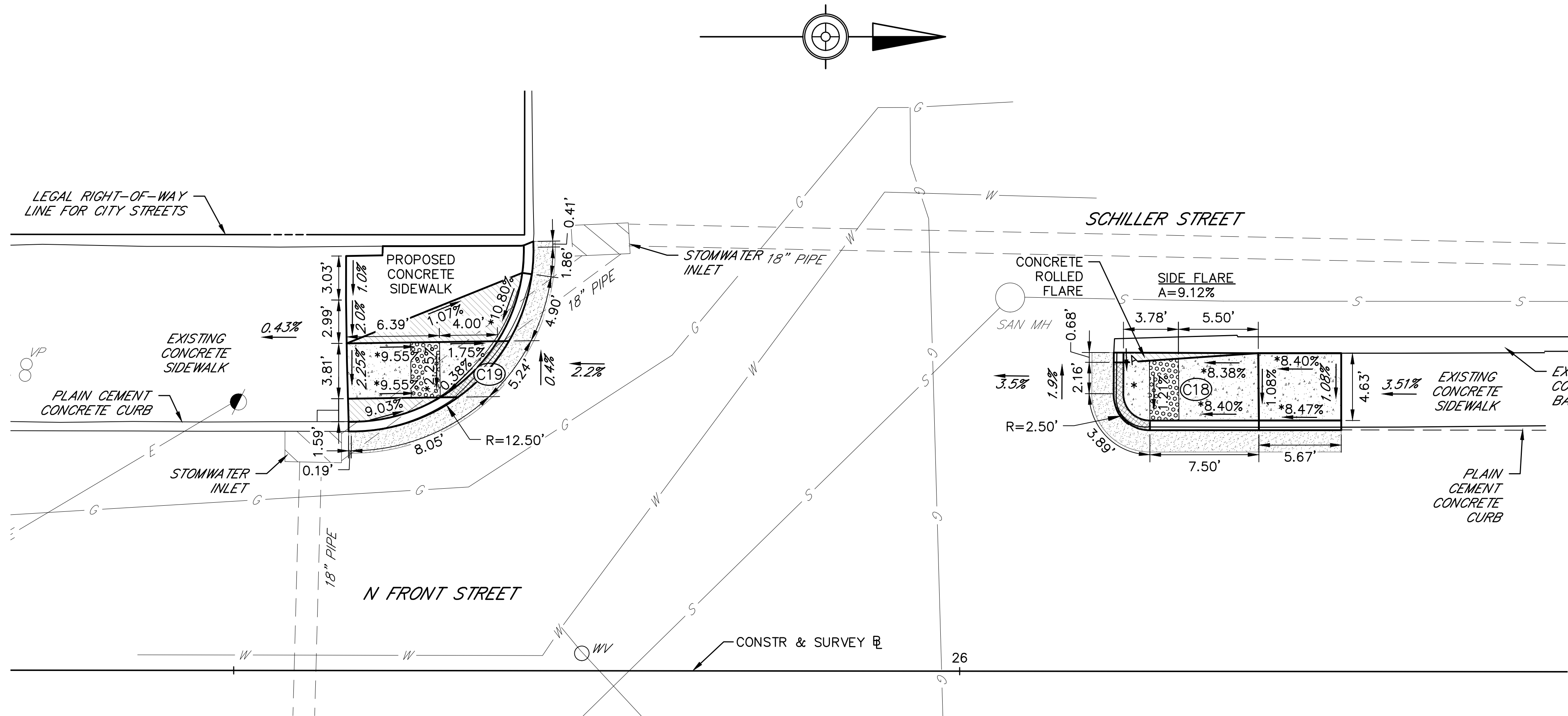
LEGEND	
	PROPOSED CURB RAMP IDENTIFIER
	PROPOSED DETECTABLE WARNING SURFACE
	PROPOSED LANDING
	PROPERTY LINE
312.10	PROPOSED SPOT ELEVATION
TC/BC312.10	PROPOSED TOP CURB/BOTTOM
TW/BW312.10	PROPOSED TOP CHEEKWALL
	STORM INLET
	RAMP SIDE FLARE
	ROUNDED CONCRETE SURFACE
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)
	PROPOSED PLAIN CEMENT DERESSED CURB
	PROPOSED CONCRETE RAMP
	PROPOSED CHEEKWALL
	PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
	PEDESTRIAN BUTTON
	EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
	PROPOSED SLOPE WITH FLOW ARROW
	PROPOSED DIMENSION
	PROPOSED TRAFFIC SIGNAL SUPPORT
	TIF REQUIRED
	UTILITY POLE

SR 0183 – N FRONT AND SCHILLER
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



CURB RAMP ID	RAMP TYPE	CONSTRUCTION	RAMP CL STATION	RAMP LOCATION
C18	TYPE 4A PARALLEL	N. FRONT ST	26+10 LT	2
C19	TYPE 4A PARALLEL	N. FRONT ST	25+84 LT	19

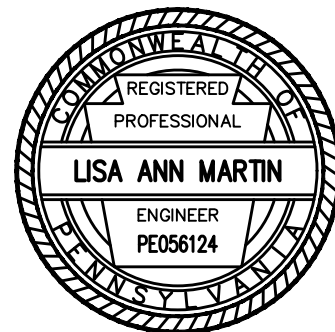
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	22 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY



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LEGEND	
	PROPOSED CURB RAMP IDENTIFIER
	PROPOSED DETECTABLE WARNING SURFACE
	PROPOSED LANDING
	PROPERTY LINE
312.10	PROPOSED SPOT ELEVATION
TC/BC312.10	PROPOSED TOP CURB/BOTTOM
TW/BW312.10	PROPOSED TOP CHEEKWALL
	STORM INLET
	RAMP SIDE FLARE
	ROUNDED CONCRETE SURFACE
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)
	PROPOSED PLAIN CEMENT DEPRESSED CURB
	PROPOSED CONCRETE RAMP
	PROPOSED CHEEKWALL
	PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
	PEDESTRIAN BUTTON
	EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
	PROPOSED SLOPE WITH FLOW ARROW
	PROPOSED DIMENSION
	PROPOSED TRAFFIC SIGNAL SUPPORT
	TIF REQUIRED
	UTILITY POLE

SR 0183 – N FRONT AND SCHILLER
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



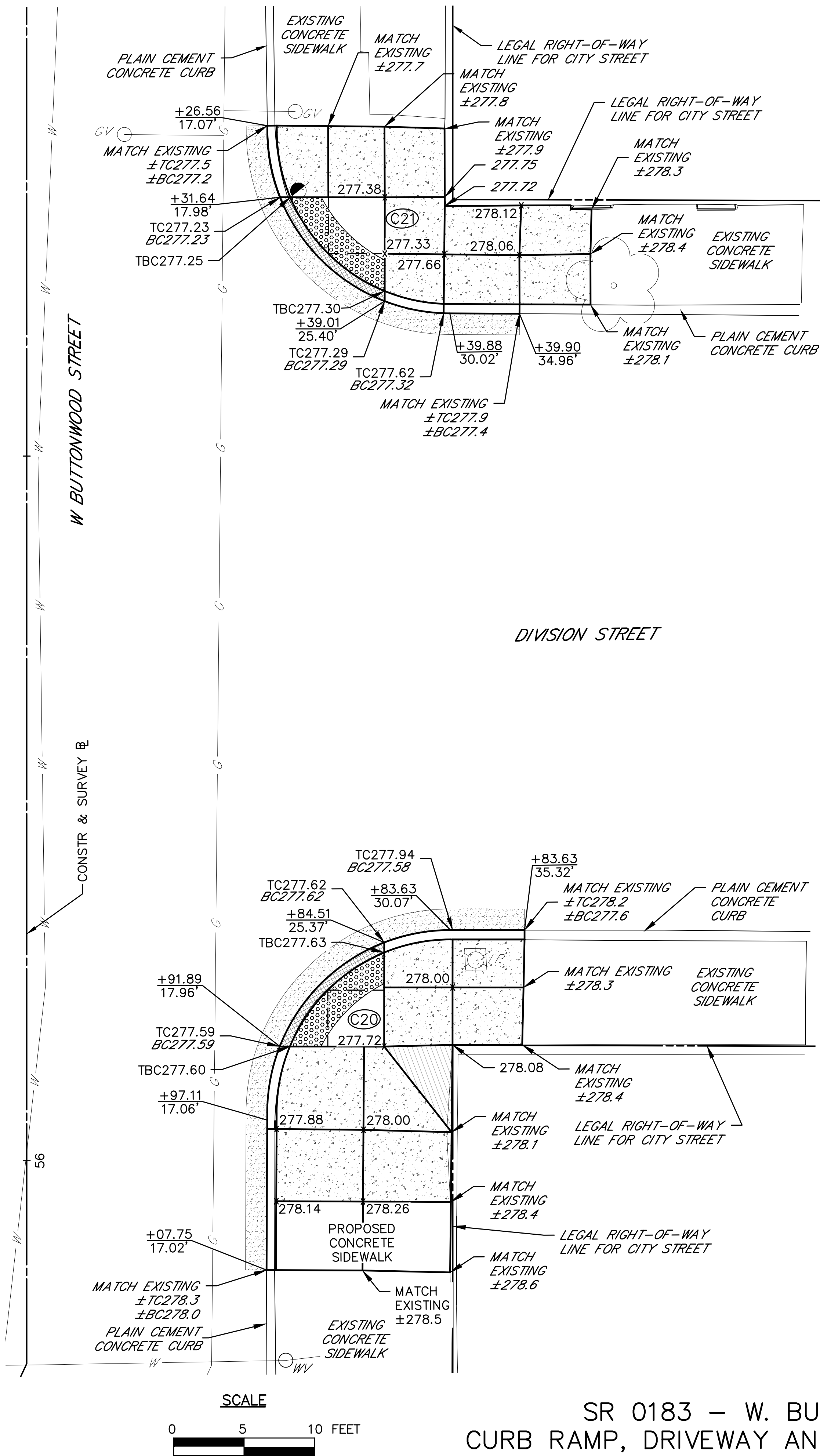
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CURB RAMP ID	RAMP TYPE	CONSTRUCTION @	RAMP @ STATION	RAMP LOCATION
C20	TYPE 1A	W. BUTTONWOOD ST	55+88 LT	8
C21	TYPE 1A	W. BUTTONWOOD ST	55+35 LT	3

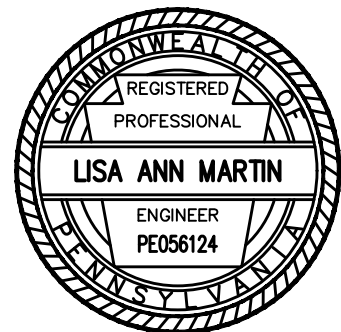
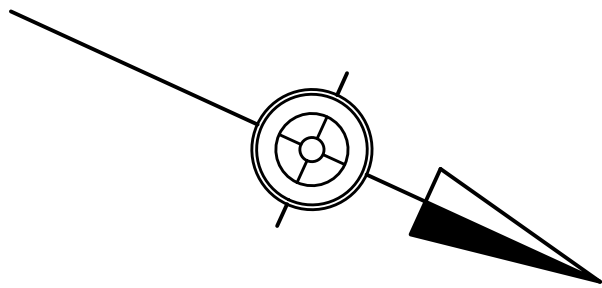
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LEGEND	
	PROPOSED CURB RAMP IDENTIFIER
	PROPOSED DETECTABLE WARNING SURFACE
	PROPOSED LANDING
	PROPERTY LINE
312.10	PROPOSED SPOT ELEVATION
TC/BC312.10	PROPOSED TOP CURB/BOTTOM
TW/BW312.10	PROPOSED TOP CHEEKWALL
	STORM INLET
	RAMP SIDE FLARE
	ROUNDED CONCRETE SURFACE
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)
	PROPOSED PLAIN CEMENT DEPRESSED CURB
	PROPOSED CONCRETE RAMP
	PROPOSED CHEEKWALL
	PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
	PEDESTRIAN BUTTON
6.00%	EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
6.00%	PROPOSED SLOPE WITH FLOW ARROW
5.0'	PROPOSED DIMENSION
	PROPOSED TRAFFIC SIGNAL SUPPORT
	TIF REQUIRED
	UTILITY POLE



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	23 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY



SR 0183 – W. BUTTONWOOD AND DIVISION
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS

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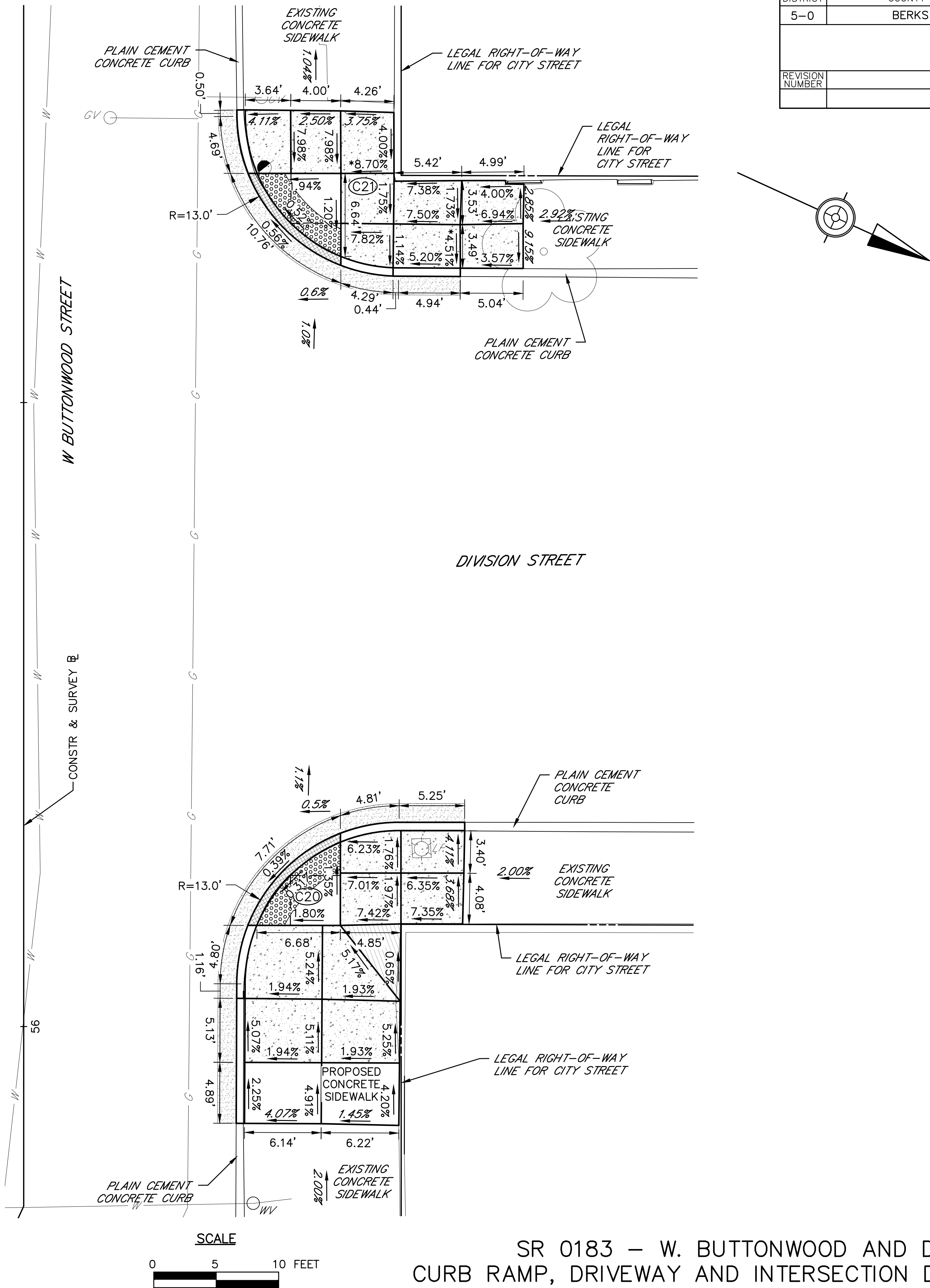
CURB RAMP ID	RAMP TYPE	CONSTRUCTION @	RAMP @ STATION	RAMP LOCATION
C20	TYPE 1A	W. BUTTONWOOD ST	55+88 LT	8
C21	TYPE 1A	W. BUTTONWOOD ST	55+35 LT	3

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LEGEND

	PROPOSED CURB RAMP IDENTIFIER		PROPOSED PLAIN CEMENT DEPRESSED CURB
	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CONCRETE RAMP
	PROPOSED LANDING		PROPOSED CHEEKWALL
	PROPERTY LINE		PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
312.10	PROPOSED SPOT ELEVATION		PEDESTRIAN BUTTON
TC/BC312.10	PROPOSED TOP CURB/BOTTOM		EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
TW/BW312.10	PROPOSED TOP CHEEKWALL		PROPOSED SLOPE WITH FLOW ARROW
	STORM INLET		PROPOSED DIMENSION
	RAMP SIDE FLARE		PROPOSED TRAFFIC SIGNAL SUPPORT
	ROUNDED CONCRETE SURFACE		TIF REQUIRED
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)		UTILITY POLE



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	24 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY

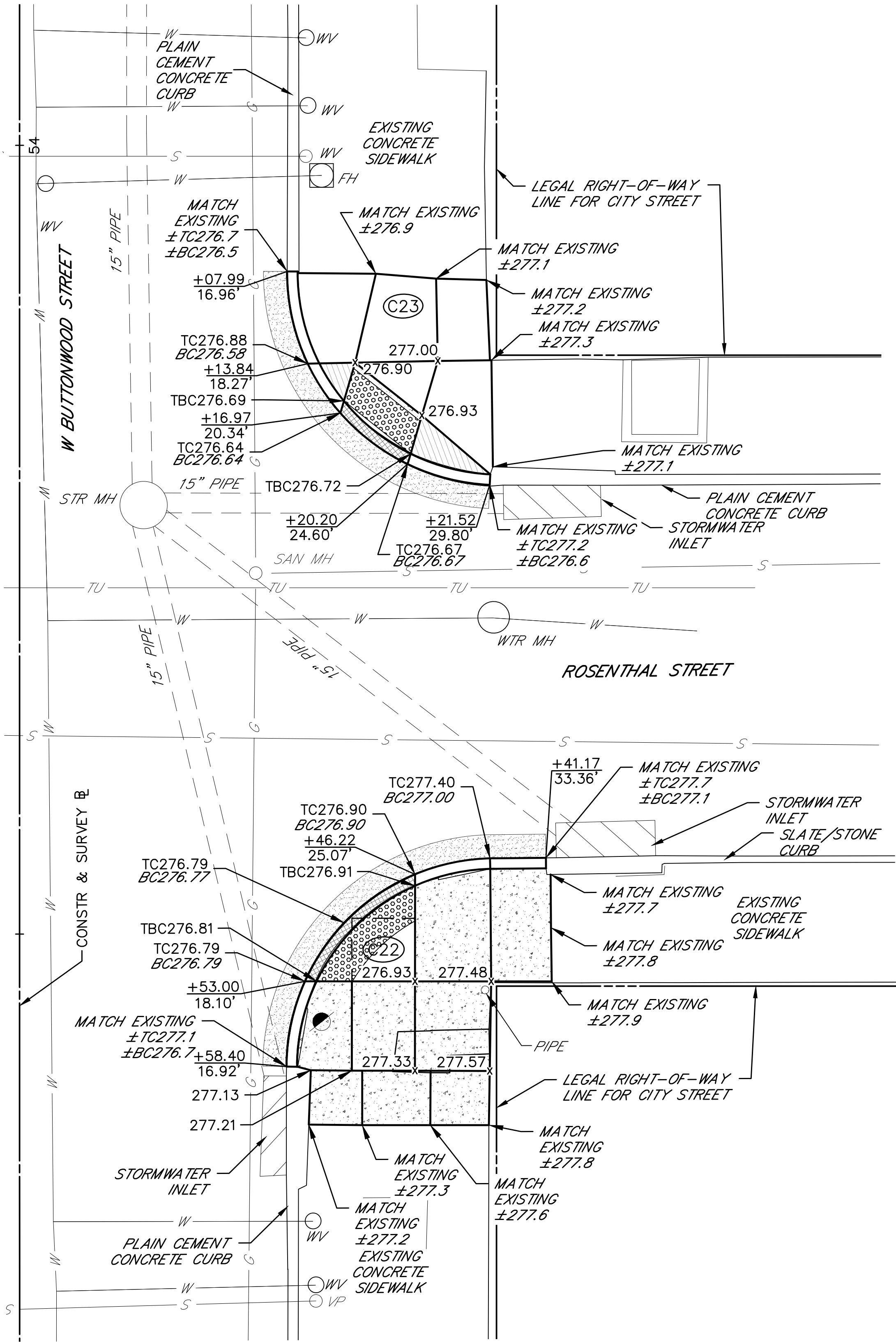
SR 0183 – W. BUTTONWOOD AND DIVISION
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



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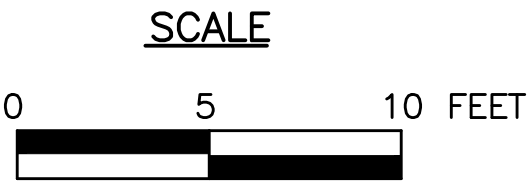
CURB RAMP ID	RAMP TYPE	CONSTRUCTION @	RAMP @ STATION	RAMP LOCATION
C22	TYPE 1A	W. BUTTONWOOD ST	54+89 LT	8
C23	TYPE 1	W. BUTTONWOOD ST	54+22 LT	4

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	25 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS	DATE	BY	



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LEGEND	
	PROPOSED CURB RAMP IDENTIFIER
	PROPOSED DETECTABLE WARNING SURFACE
	PROPOSED LANDING
	PROPERTY LINE
312.10	PROPOSED SPOT ELEVATION
TC/BC312.10	PROPOSED TOP CURB/BOTTOM
TW/BW312.10	PROPOSED TOP CHEEKWALL
	STORM INLET
	RAMP SIDE FLARE
	ROUNDED CONCRETE SURFACE
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)
	PROPOSED PLAIN CEMENT DEPRESSED CURB
	PROPOSED CONCRETE RAMP
	PROPOSED CHEEKWALL
	PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
	PEDESTRIAN BUTTON
	EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
	PROPOSED SLOPE WITH FLOW ARROW
	PROPOSED DIMENSION
	PROPOSED TRAFFIC SIGNAL SUPPORT
	TIF REQUIRED
	UTILITY POLE



SR 0183 – W. BUTTONWOOD AND ROSENTHAL
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



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CURB RAMP ID	RAMP TYPE	CONSTRUCTION @	RAMP C STATION	RAMP LOCATION
C22	TYPE 1A	W. BUTTONWOOD ST	54+89 LT	8
C23	TYPE 1	W. BUTTONWOOD ST	54+22 LT	4

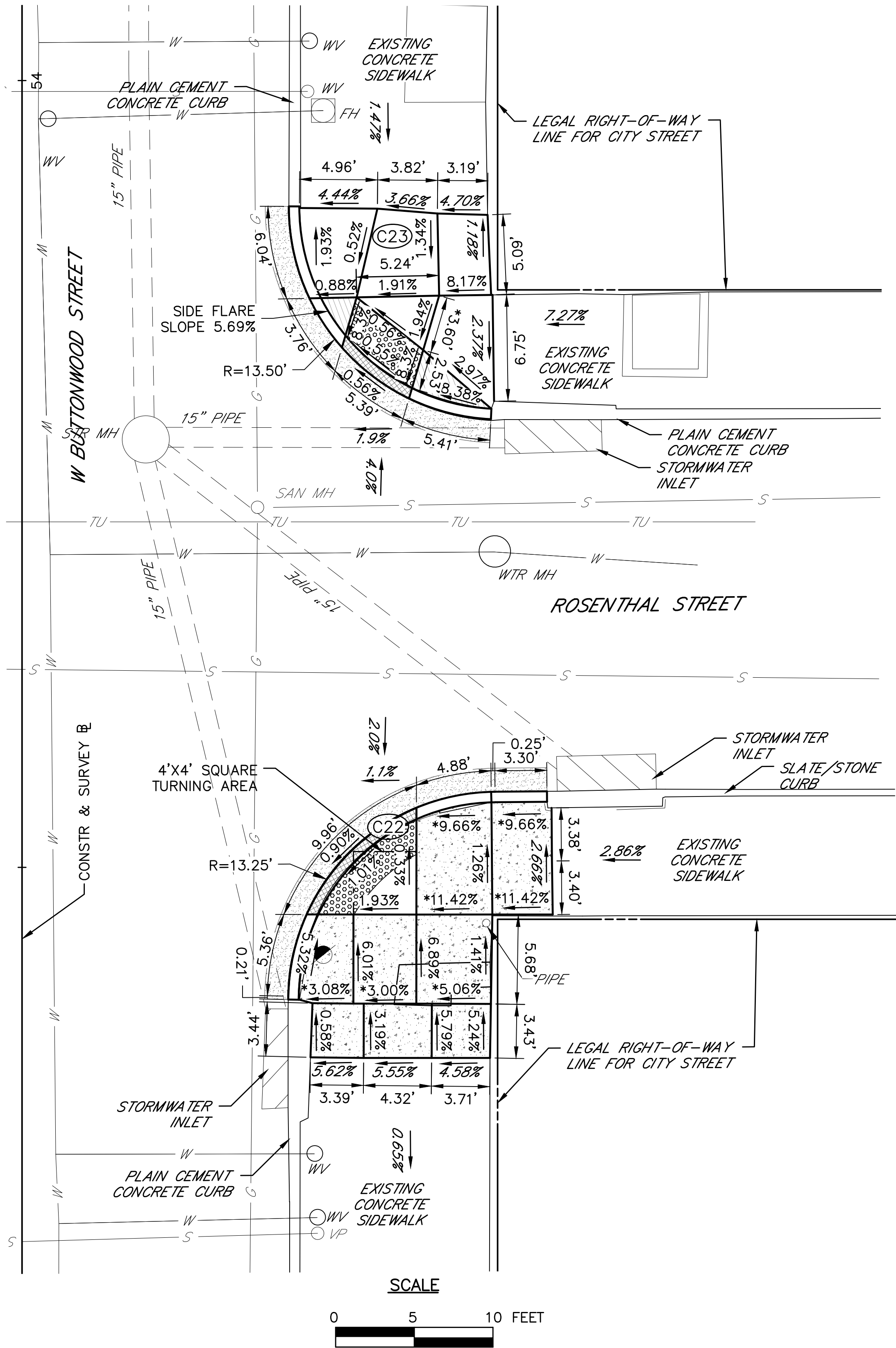
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	26 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS	DATE	BY	

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LEGEND

	PROPOSED CURB RAMP IDENTIFIER		PROPOSED PLAIN CEMENT DEPRESSED CURB
	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CONCRETE RAMP
	PROPOSED LANDING		PROPOSED CHEEKWALL
	PROPERTY LINE		PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
312.10	PROPOSED SPOT ELEVATION		PEDESTRIAN BUTTON
TC/BC312.10	PROPOSED TOP CURB/BOTTOM		EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
TW/BW312.10	PROPOSED TOP CHEEKWALL		PROPOSED SLOPE WITH FLOW ARROW
	STORM INLET		PROPOSED DIMENSION
	RAMP SIDE FLARE		PROPOSED TRAFFIC SIGNAL SUPPORT
	ROUNDED CONCRETE SURFACE		TIF REQUIRED
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)		UTILITY POLE



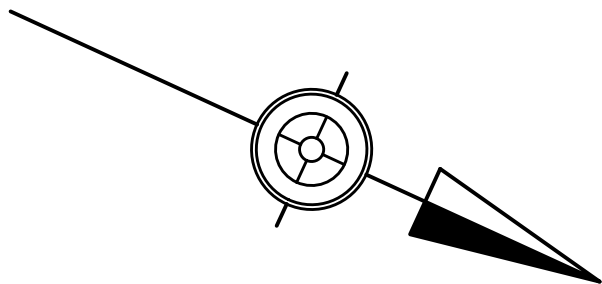
SR 0183 – W. BUTTONWOOD AND ROSENTHAL
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



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CURB RAMP ID	RAMP TYPE	CONSTRUCTION	RAMP STATION	RAMP LOCATION
C24	TYPE 4 (PARALLEL)	W. BUTTONWOOD ST	53+33 LT	7
C25	TYPE 4 (PARALLEL)	W. BUTTONWOOD ST	53+17 LT	4

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	27 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS	DATE	BY	

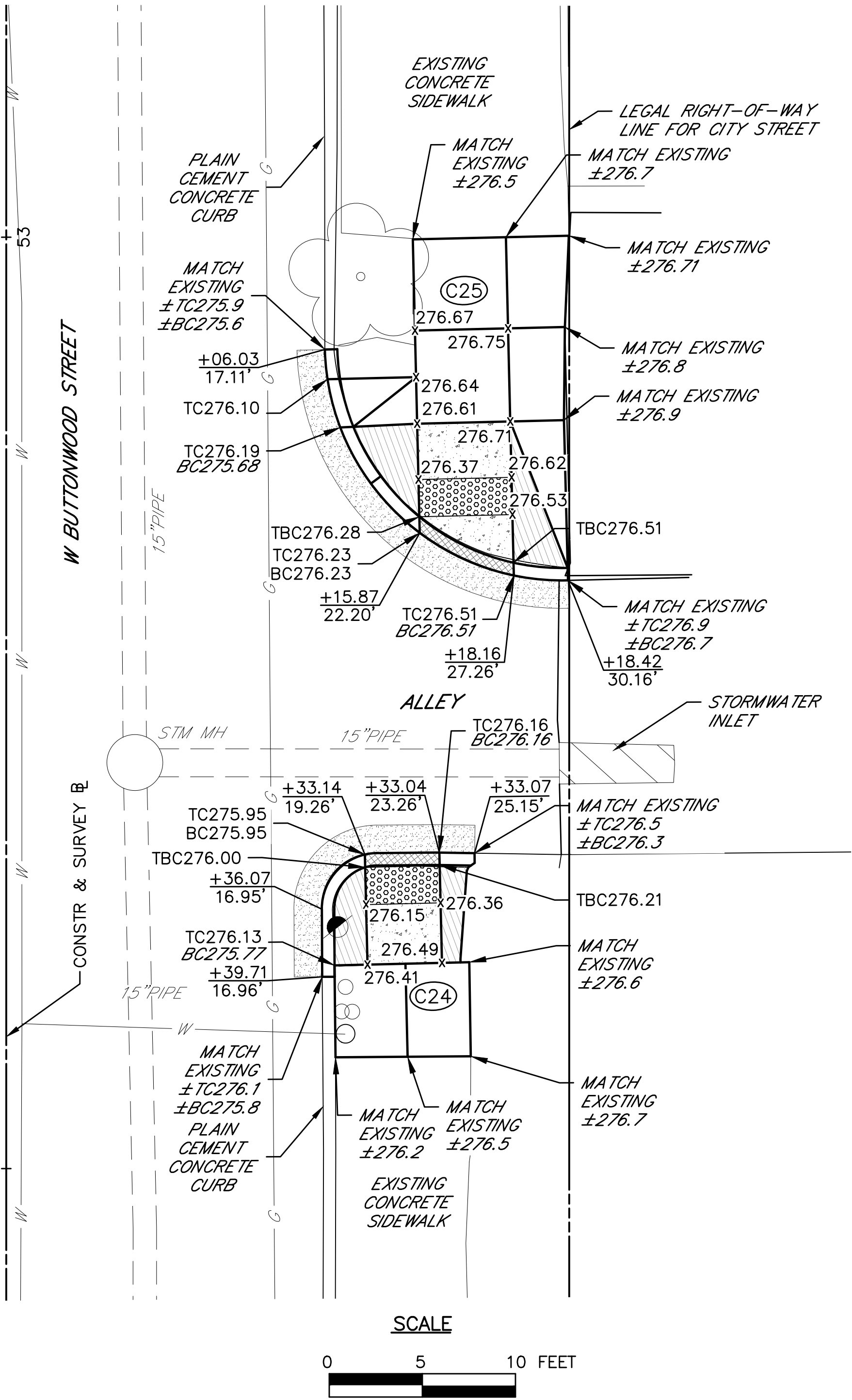


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LEGEND

	PROPOSED CURB RAMP IDENTIFIER		PROPOSED PLAIN CEMENT DEPRESSED CURB
	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CONCRETE RAMP
	PROPOSED LANDING		PROPOSED CHEEKWALL
	PROPOSED SPOT ELEVATION		PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
TC/BC312.10	PROPOSED TOP CURB/BOTTOM		PEDESTRIAN BUTTON
TW/BW312.10	PROPOSED TOP CHEEKWALL		EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
	STORM INLET		PROPOSED SLOPE WITH FLOW ARROW
	RAMP SIDE FLARE		PROPOSED DIMENSION
	ROUNDED CONCRETE SURFACE		PROPOSED TRAFFIC SIGNAL SUPPORT
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)		UTILITY POLE



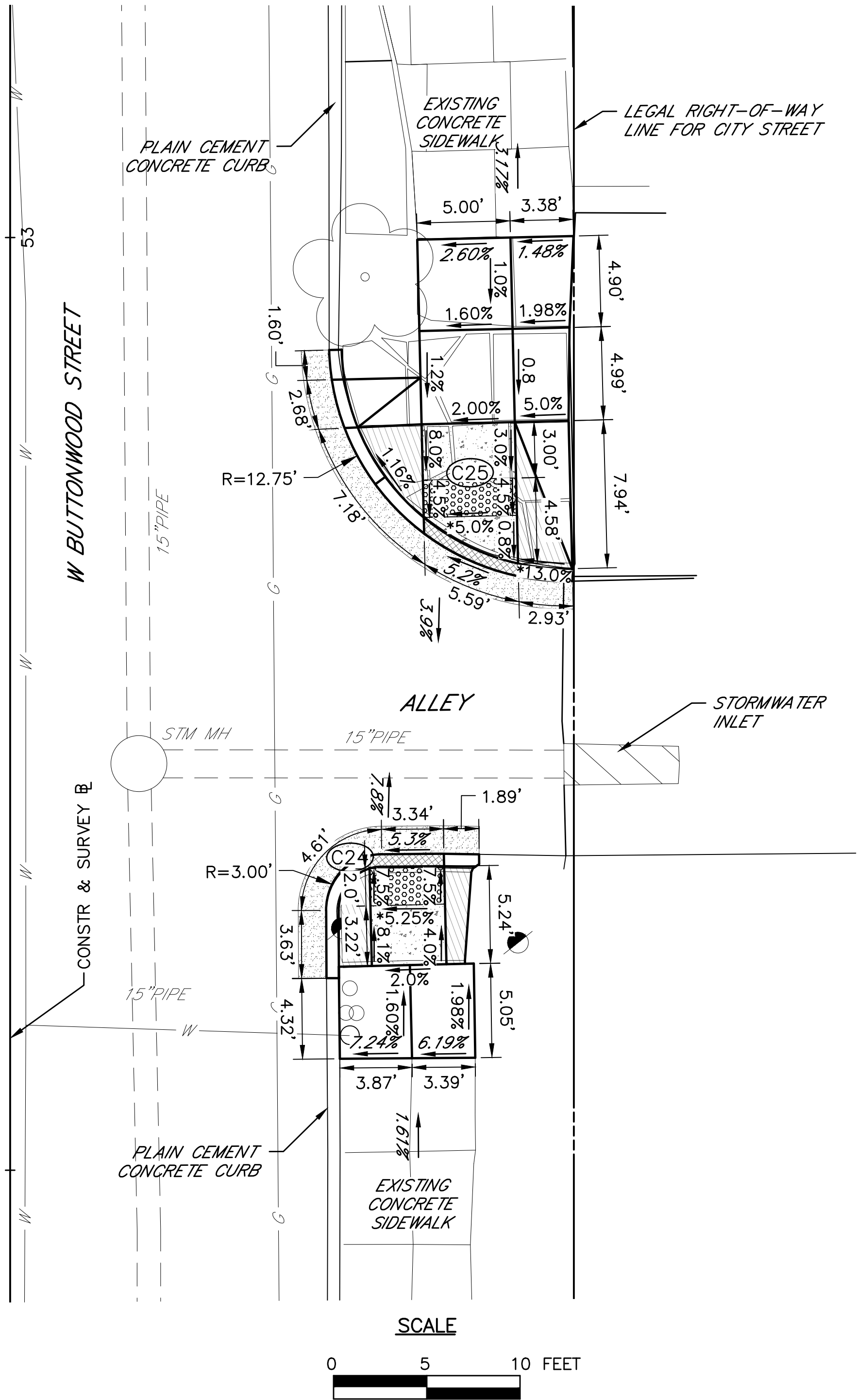
SR 0183 – W. BUTTONWOOD AND ALLEY
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



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CURB RAMP ID	RAMP TYPE	CONSTRUCTION @	RAMP @ STATION	RAMP LOCATION
C24	TYPE 4 (PARALLEL)	W. BUTTONWOOD ST	53+33 LT	7
C25	TYPE 4 (PARALLEL)	W. BUTTONWOOD ST	53+17 LT	4

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	28 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY



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LEGEND

	PROPOSED CURB RAMP IDENTIFIER		PROPOSED PLAIN CEMENT DEPRESSED CURB
	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CONCRETE RAMP
	PROPOSED LANDING		PROPOSED CHEEKWALL
	PROPERTY LINE		PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
	PROPOSED SPOT ELEVATION		PEDESTRIAN BUTTON
	PROPOSED TOP CURB/BOTTOM		EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
	PROPOSED TOP CHEEKWALL		PROPOSED SLOPE WITH FLOW ARROW
	STORM INLET		PROPOSED DIMENSION
	RAMP SIDE FLARE		PROPOSED TRAFFIC SIGNAL SUPPORT
	ROUNDED CONCRETE SURFACE		TIF REQUIRED
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)		UTILITY POLE

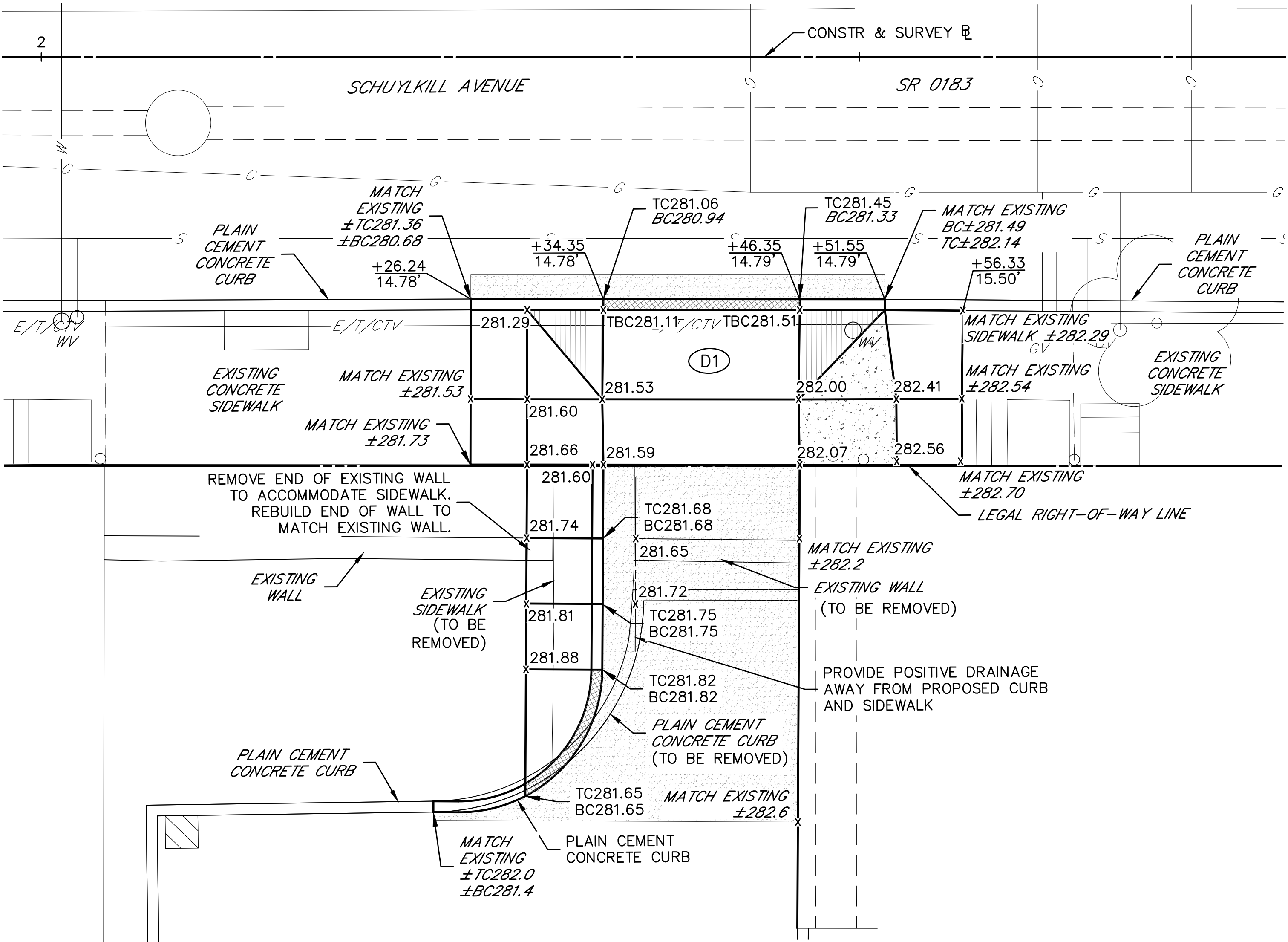
SR 0183 – W. BUTTONWOOD AND ALLEY
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



W:\01\01194\01194-04_SR_0183\DWGS\CD\2012\Const DWG\01194-04-SR0183-05B-C12-ADA Spots sheets.dwg -- Plotted:10/19/2022 3:49 PM -- By:CAMPELL -- Device: AUTOCAD PDF (GENERAL DOCUMENTATION).PC3 -- Plot Style:MK4, FULL, B+W,CTB

CURB RAMP ID	RAMP TYPE	CONSTRUCTION	RAMP STATION	RAMP LOCATION
D1	TYPE 1A DRIVEWAY APRON	SR 0183 (SCHUYLKILL AVE)	2+39 RT	—

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	29 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS	DATE	BY	



NOTE:

- ITALICIZED TEXT DENOTES EXISTING FEATURE, SLOPE, AND/OR DIMENSION.

LEGEND	
	PROPOSED CURB RAMP IDENTIFIER
	PROPOSED DETECTABLE WARNING SURFACE
	PROPOSED LANDING
	PROPERTY LINE
312.10	PROPOSED SPOT ELEVATION
TC/BC312.10	PROPOSED TOP CURB/BOTTOM
TW/BW312.10	PROPOSED TOP CHEEKWALL
	STORM INLET
	RAMP SIDE FLARE
	ROUNDED CONCRETE SURFACE
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)
	PROPOSED PLAIN CEMENT DEPRESSED CURB
	PROPOSED CONCRETE RAMP
	PROPOSED CHEEKWALL
	PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
	PEDESTRIAN BUTTON
	EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
	PROPOSED SLOPE WITH FLOW ARROW
	PROPOSED DIMENSION
	PROPOSED TRAFFIC SIGNAL SUPPORT
	TIF REQUIRED
	UTILITY POLE

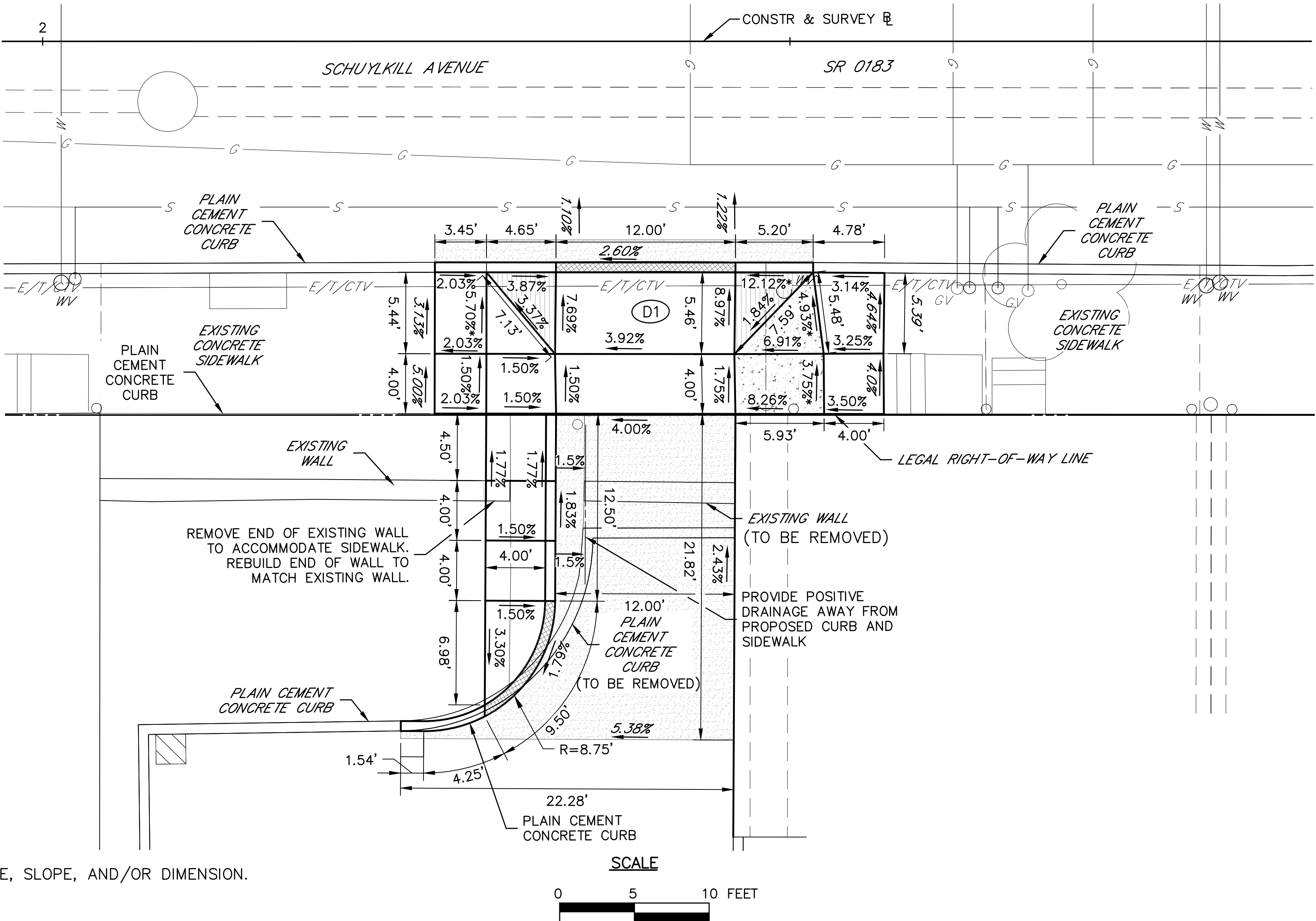
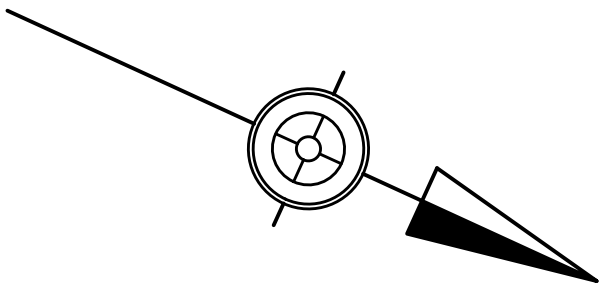
SR 0183 – SCHUYLKILL DRIVEWAY APRON 1 DETAIL
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



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CURB RAMP ID	RAMP TYPE	CONSTRUCTION #	RAMP # STATION	RAMP LOCATION
D1	TYPE 1A DRIVEWAY APRON	SR 0183 (SCHUYLKILL AVE)	2+39 RT	—

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	30 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS	DATE	BY	



- NOTE:**
- ITALICIZED TEXT DENOTES EXISTING FEATURE, SLOPE, AND/OR DIMENSION.

LEGEND	
	PROPOSED CURB RAMP IDENTIFIER
	PROPOSED DETECTABLE WARNING SURFACE
	PROPOSED LANDING
	PROPERTY LINE
	PROPOSED SPOT ELEVATION
	PROPOSED TOP CURB/BOTTOM
	PROPOSED TOP CHEEKWALL
	STORM INLET
	RAMP SIDE FLARE
	ROUNDED CONCRETE SURFACE
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)
	PROPOSED PLAIN CEMENT DEPRESSED CURB
	PROPOSED CONCRETE RAMP
	PROPOSED CHEEKWALL
	PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
	PEDESTRIAN BUTTON
	EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
	PROPOSED SLOPE WITH FLOW ARROW
	PROPOSED DIMENSION
	PROPOSED TRAFFIC SIGNAL SUPPORT
	TIF REQUIRED
	UTILITY POLE

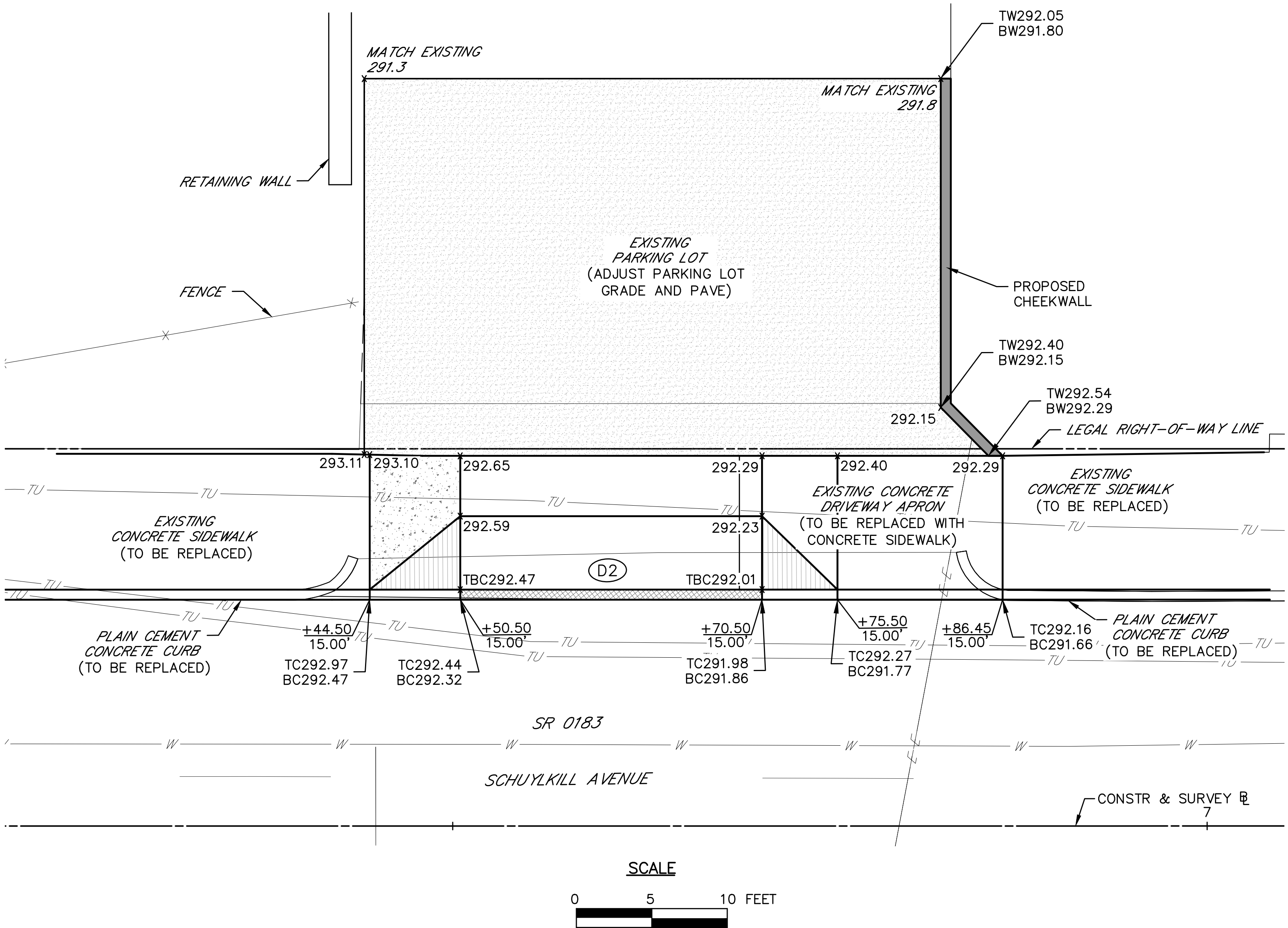
SR 0183 – SCHUYLKILL DRIVEWAY APRON 1 DETAIL
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



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CURB RAMP ID	RAMP TYPE	CONSTRUCTION	RAMP STATION	RAMP LOCATION
D2	TYPE 1A DRIVEWAY APRON	SR 0183 (SCHUYLKILL AVE)	6+60 LT	-

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	31 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS	DATE	BY	



NOTE:

- ITALICIZED TEXT DENOTES EXISTING FEATURE, SLOPE, AND/OR DIMENSION.

LEGEND	
	PROPOSED CURB RAMP IDENTIFIER
	PROPOSED DETECTABLE WARNING SURFACE
	PROPOSED LANDING
	PROPERTY LINE
	PROPOSED SPOT ELEVATION
	PROPOSED TOP CURB/BOTTOM
	PROPOSED TOP CHEEKWALL
	STORM INLET
	RAMP SIDE FLARE
	ROUNDED CONCRETE SURFACE
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)
	PROPOSED PLAIN CEMENT DEPRESSED CURB
	PROPOSED CONCRETE RAMP
	PROPOSED CHEEKWALL
	PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
	PEDESTRIAN BUTTON
	EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
	PROPOSED SLOPE WITH FLOW ARROW
	PROPOSED DIMENSION
	PROPOSED TRAFFIC SIGNAL SUPPORT
	TIF REQUIRED
	UTILITY POLE

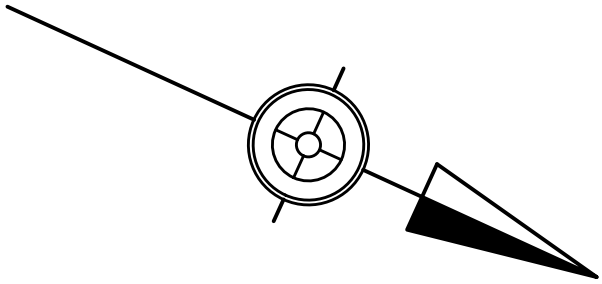
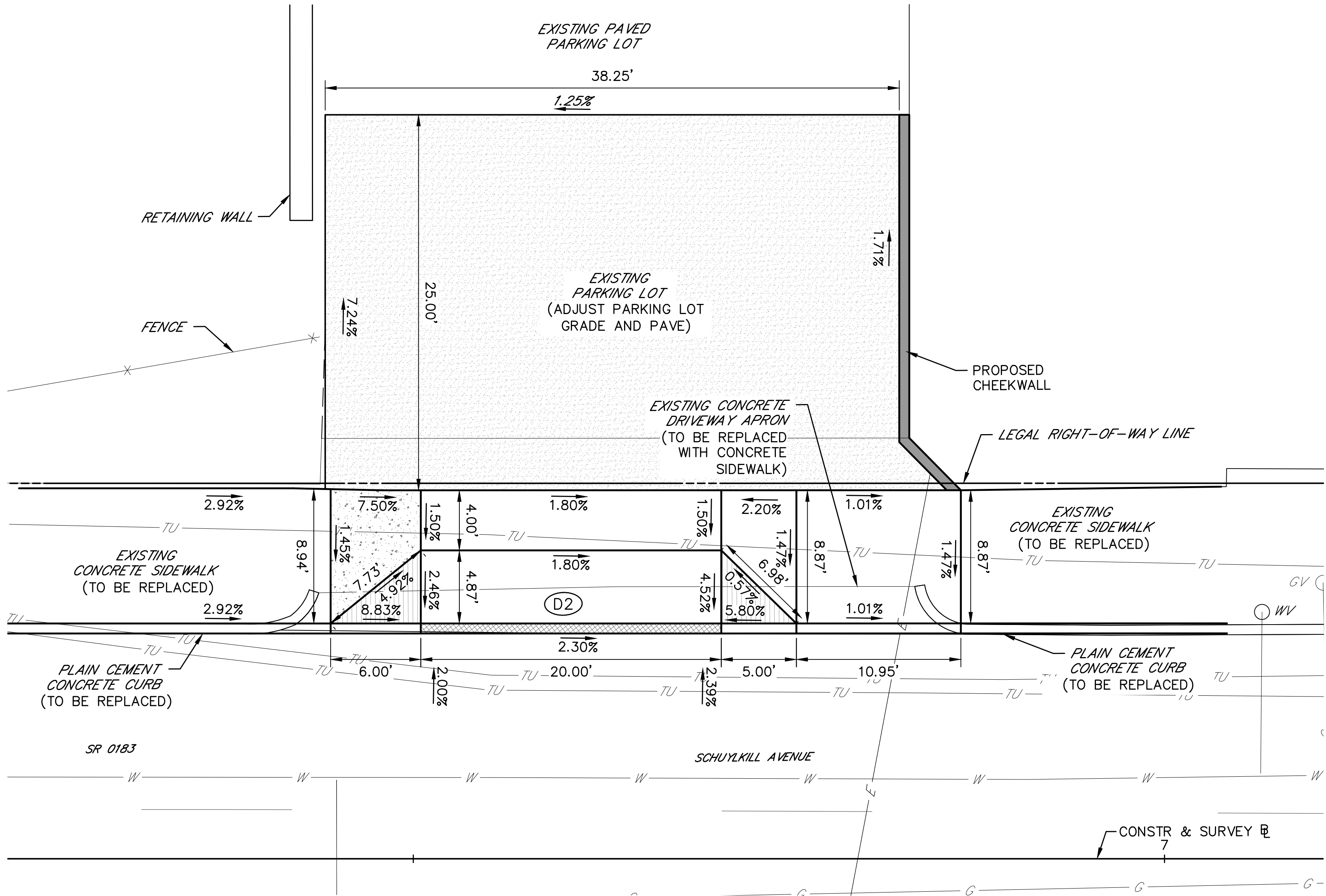
SR 0183 – SCHUYLKILL DRIVEWAY APRON 2 DETAIL
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



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CURB RAMP ID	RAMP TYPE	CONSTRUCTION @	RAMP @ STATION	RAMP LOCATION
D2	TYPE 1A DRIVEWAY APRON	SR 0183 (SCHUYLKILL AVE)	6+60 LT	-

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	32 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS	DATE	BY	



NOTE:

- ITALICIZED TEXT DENOTES EXISTING FEATURE, SLOPE, AND/OR DIMENSION.

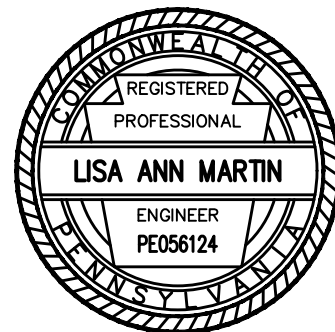
SCALE



LEGEND

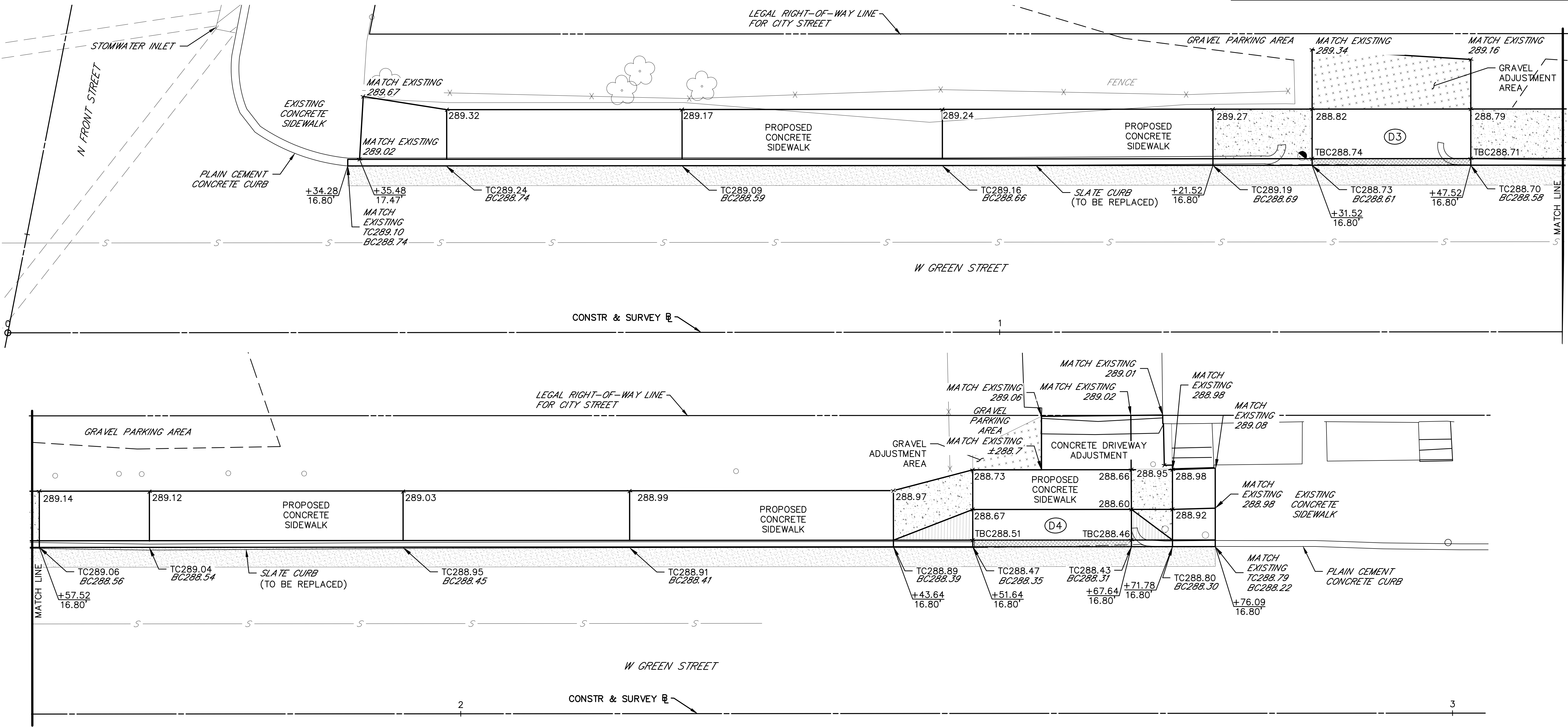
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	PROPOSED DETECTABLE WARNING SURFACE		PROPOSED CONCRETE RAMP
	PROPOSED LANDING		PROPOSED CHEEKWALL
	PROPERTY LINE		PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
	PROPOSED SPOT ELEVATION		PEDESTRIAN BUTTON
	PROPOSED TOP CURB/BOTTOM		EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
	PROPOSED TOP CHEEKWALL		PROPOSED SLOPE WITH FLOW ARROW
	STORM INLET		PROPOSED DIMENSION
	RAMP SIDE FLARE		PROPOSED TRAFFIC SIGNAL SUPPORT
	ROUNDED CONCRETE SURFACE		TIF REQUIRED
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)		UTILITY POLE

SR 0183 – SCHUYLKILL DRIVEWAY APRON 2 DETAIL
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



CURB RAMP ID	RAMP TYPE	CONSTRUCTION	RAMP LOCATION	RAMP LOCATION
D3	TYPE 3A DRIVEWAY APRON	W GREEN ST	1+39 LT	-
D4	TYPE 3 DRIVEWAY APRON	W GREEN ST	2+60 LT	-

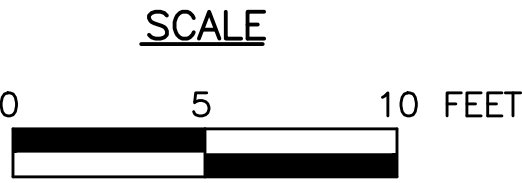
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	33 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS	DATE	BY	



LEGEND	
	PROPOSED CURB RAMP IDENTIFIER
	PROPOSED DETECTABLE WARNING SURFACE
	PROPOSED LANDING
	PROPERTY LINE
	PROPOSED SPOT ELEVATION
	PROPOSED TOP CURB/BOTTOM
	PROPOSED TOP CHEEKWALL
	STORM INLET
	RAMP SIDE FLARE
	ROUNDED CONCRETE SURFACE
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)
	PROPOSED PLAIN CEMENT DEPRESSED CURB
	PROPOSED CONCRETE RAMP
	PROPOSED CHEEKWALL
	PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
	PEDESTRIAN BUTTON
	EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
	PROPOSED SLOPE WITH FLOW ARROW
	PROPOSED DIMENSION
	PROPOSED TRAFFIC SIGNAL SUPPORT
	TIF REQUIRED
	UTILITY POLE

NOTE:

- ITALICIZED TEXT DENOTES EXISTING FEATURE, SLOPE, AND/OR DIMENSION.



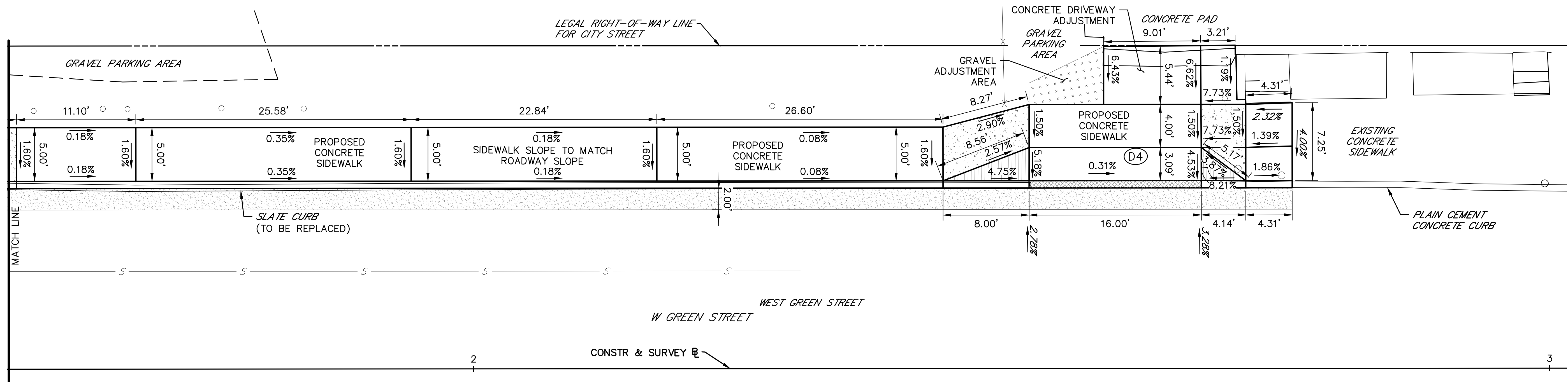
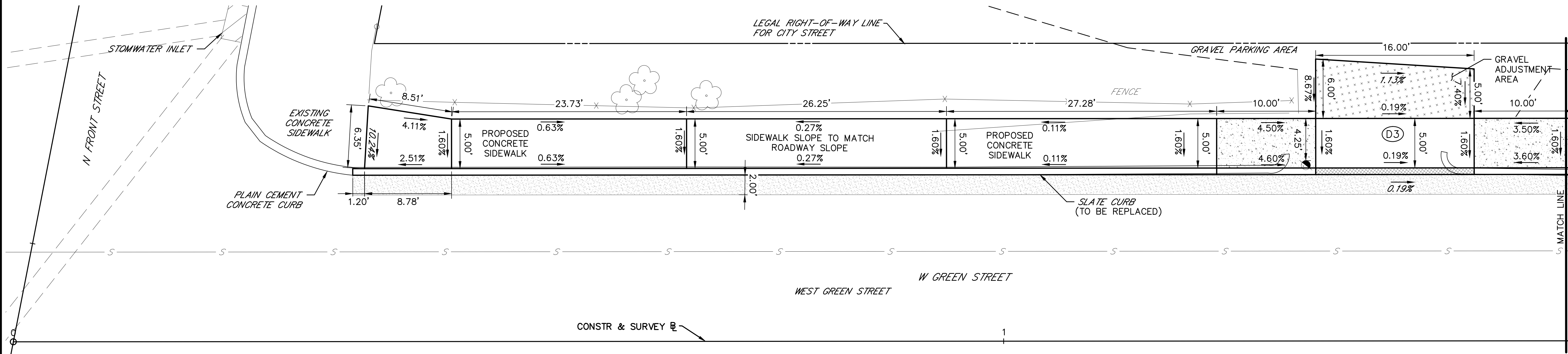
SR 0183 – W GREEN DRIVEWAY APRON DETAIL
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



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CURB RAMP ID	RAMP TYPE	CONSTRUCTION	RAMP LOCATION	RAMP LOCATION
D3	TYPE 3A DRIVEWAY APRON	W GREEN ST	1+39 LT	-
D4	TYPE 3 DRIVEWAY APRON	W GREEN ST	2+60 LT	-

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	34 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS	DATE	BY	

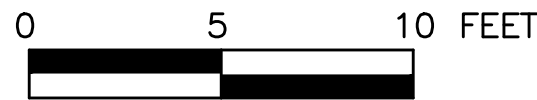


LEGEND	
	PROPOSED CURB RAMP IDENTIFIER
	PROPOSED DETECTABLE WARNING SURFACE
	PROPOSED LANDING
	PROPERTY LINE
312.10	PROPOSED SPOT ELEVATION
TC/BC312.10	PROPOSED TOP CURB/BOTTOM
TW/BW312.10	PROPOSED TOP CHEEKWALL
	STORM INLET
	RAMP SIDE FLARE
	ROUNDED CONCRETE SURFACE
	PROPOSED RECONSTRUCTED AREA (GRAVEL MATERIAL)
	PROPOSED PLAIN CEMENT DEPRESSED CURB
	PROPOSED CONCRETE RAMP
	PROPOSED CHEEKWALL
	PROPOSED RECONSTRUCTED AREA (MATCH EXISTING MATERIAL)
	PEDESTRIAN BUTTON
	EXISTING/MATCH EXISTING SLOPE WITH FLOW ARROW
	PROPOSED SLOPE WITH FLOW ARROW
	PROPOSED DIMENSION
	PROPOSED TRAFFIC SIGNAL SUPPORT
	TIF REQUIRED
	UTILITY POLE

NOTE:

- ITALICIZED TEXT DENOTES EXISTING FEATURE, SLOPE, AND/OR DIMENSION.

SCALE

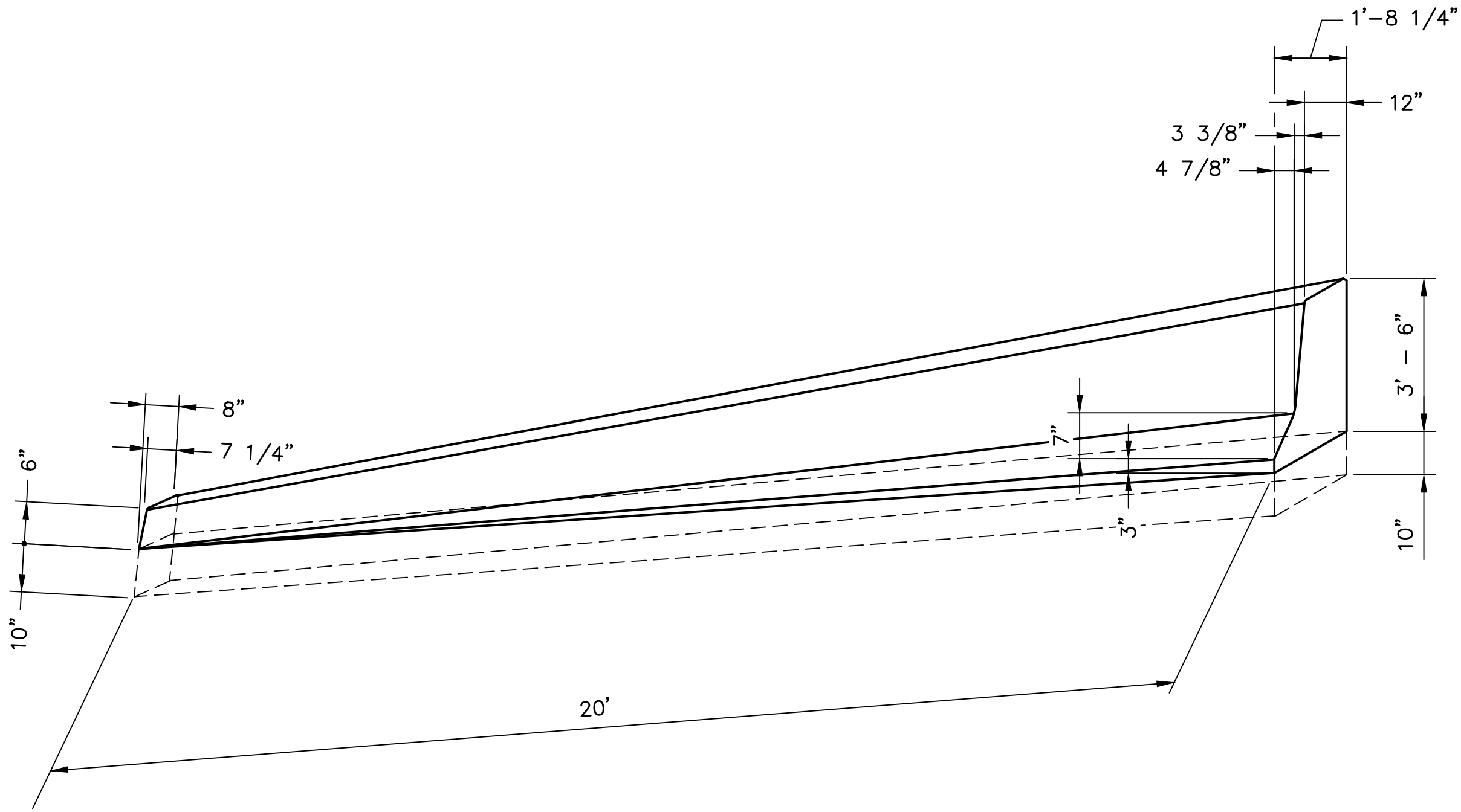


SR 0183 – W GREEN DRIVEWAY APRON DETAIL
CURB RAMP, DRIVEWAY AND INTERSECTION DETAILS



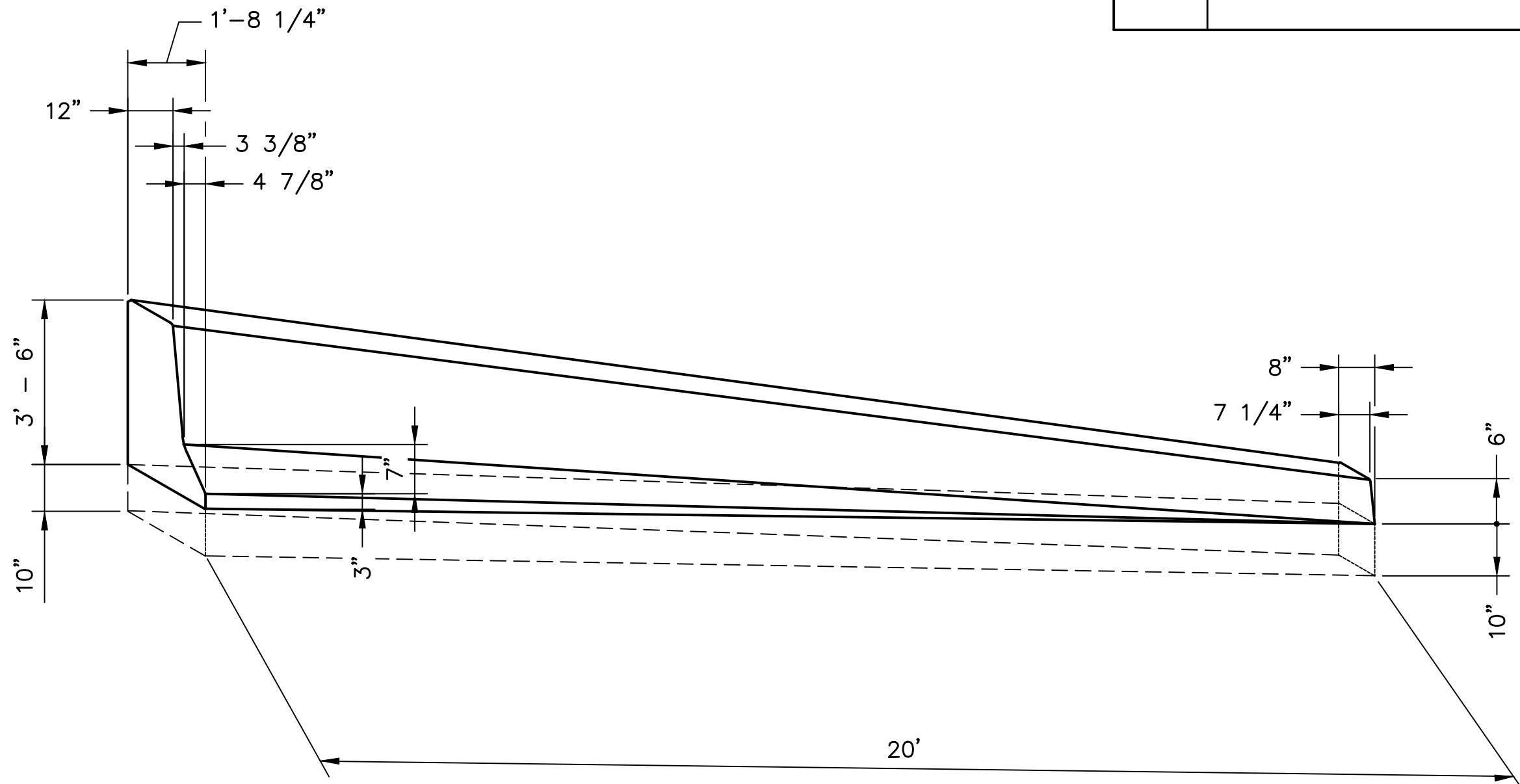
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	35 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY



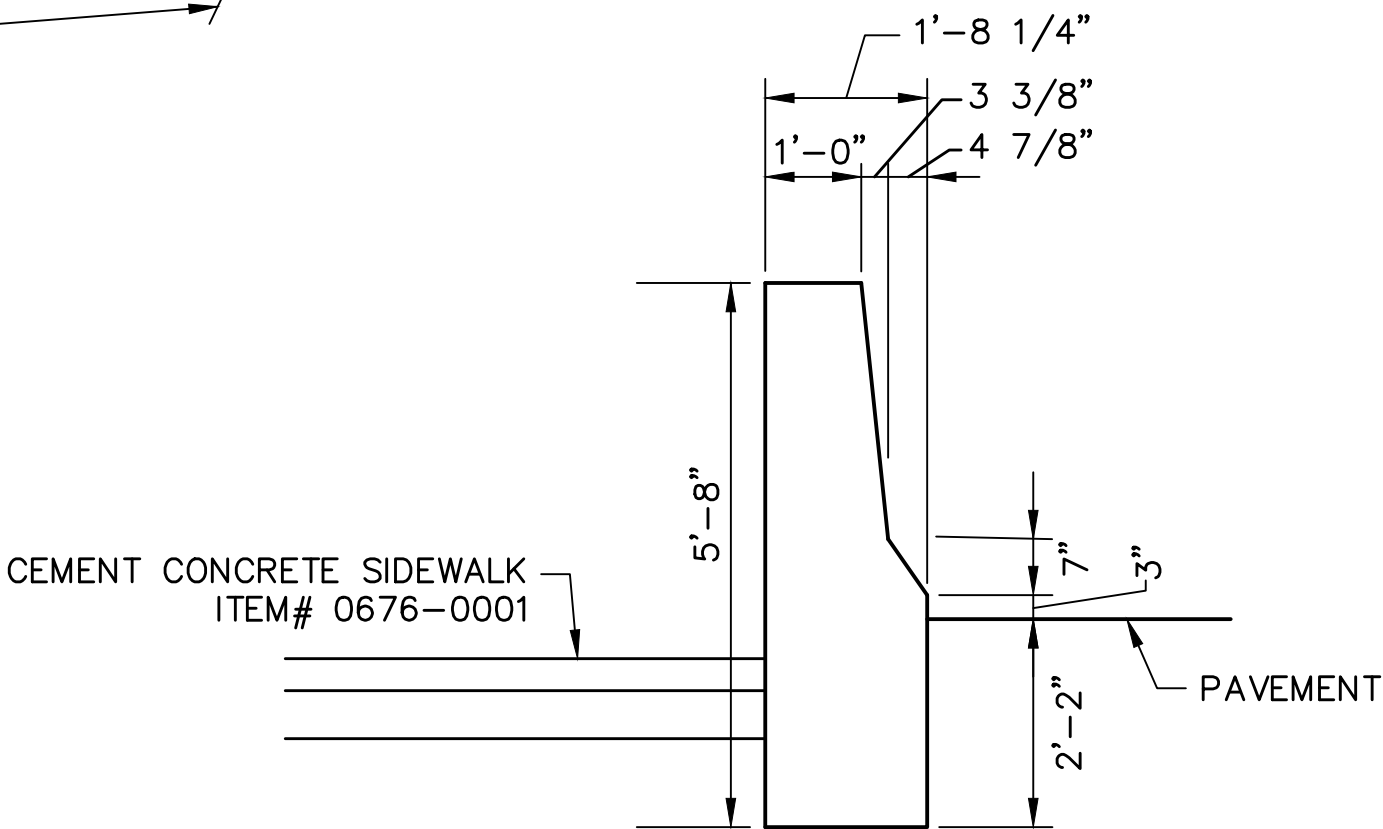
BARRIER TRANSITION 1

NOT TO SCALE
STA 3+63.00 LT TO STA 3+83.00 LT
ITEM 9000-0017 BARRIER TRANSITION 1



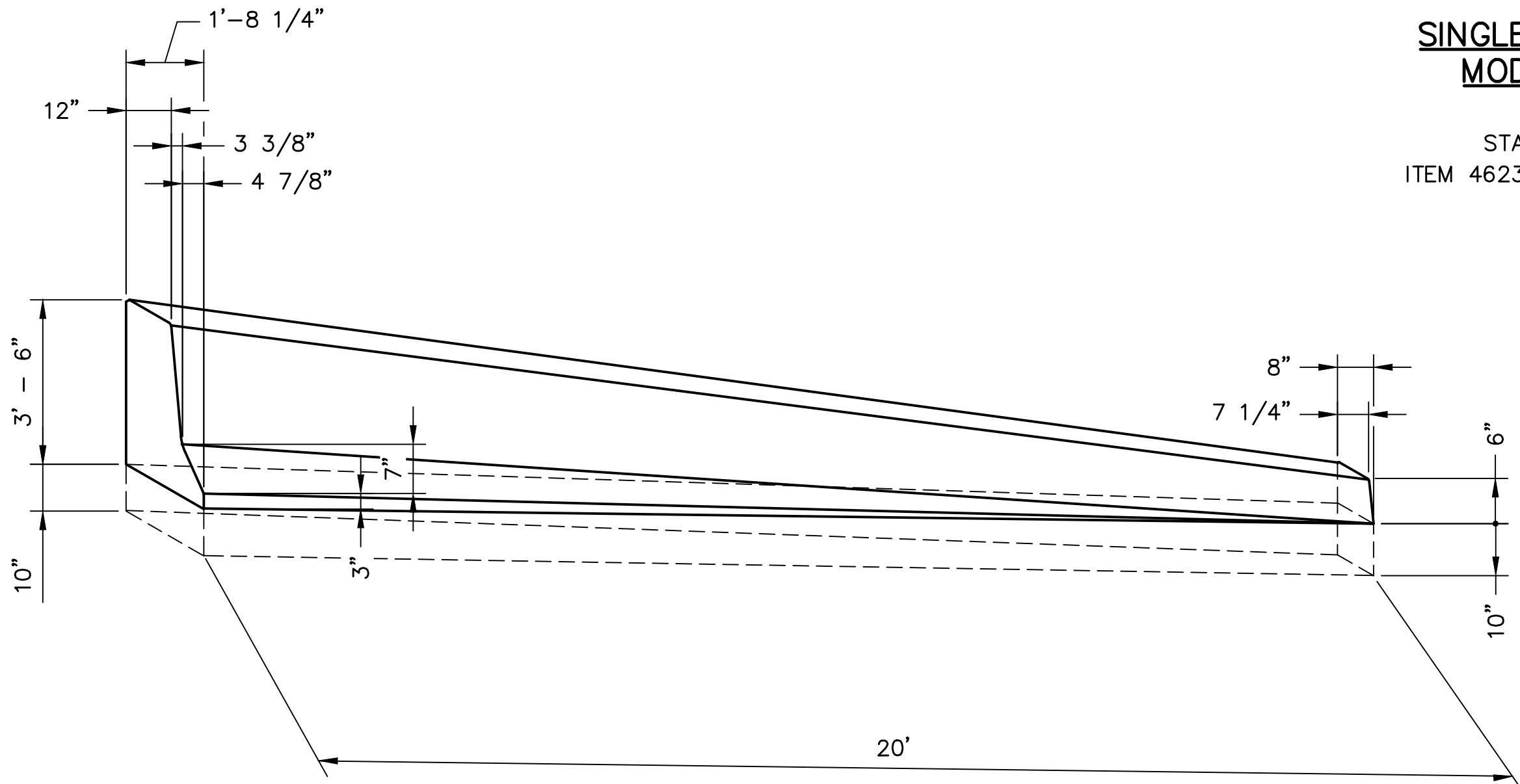
BARRIER TRANSITION 3

NOT TO SCALE
STA 5+79.00 LT TO STA 5+99.00 LT
ITEM 9000-0019 BARRIER TRANSITION 3



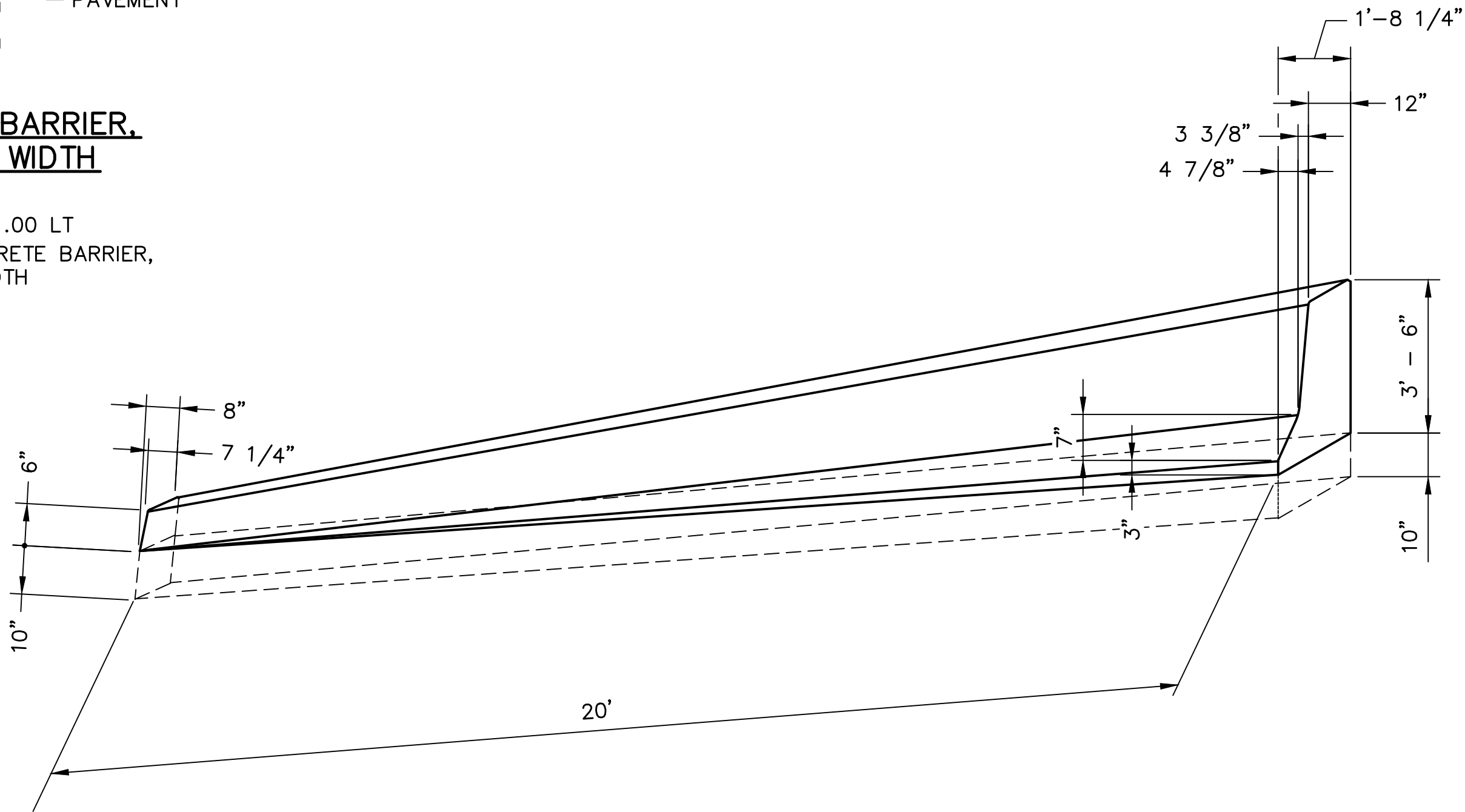
**SINGLE FACE CONCRETE BARRIER,
MODIFIED HEIGHT AND WIDTH**

NOT TO SCALE
STA 3+83.00 LT TO STA 4+91.00 LT
ITEM 4623-0052 SINGLE FACE CONCRETE BARRIER,
MODIFIED HEIGHT AND WIDTH



BARRIER TRANSITION 2

NOT TO SCALE
STA 4+63.00 RT TO STA 4+83.00 RT
ITEM 9000-0018 BARRIER TRANSITION 2



BARRIER TRANSITION 4

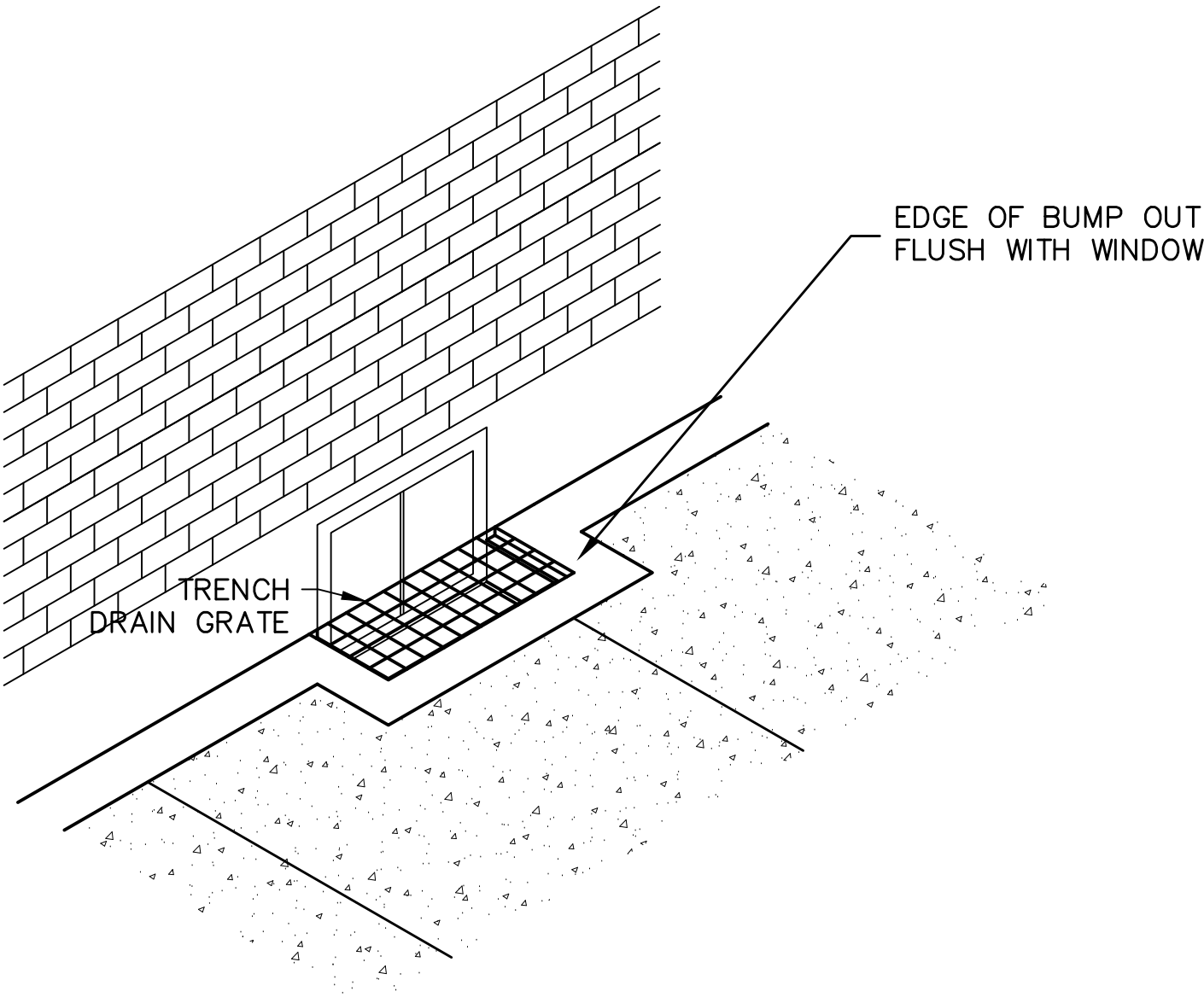
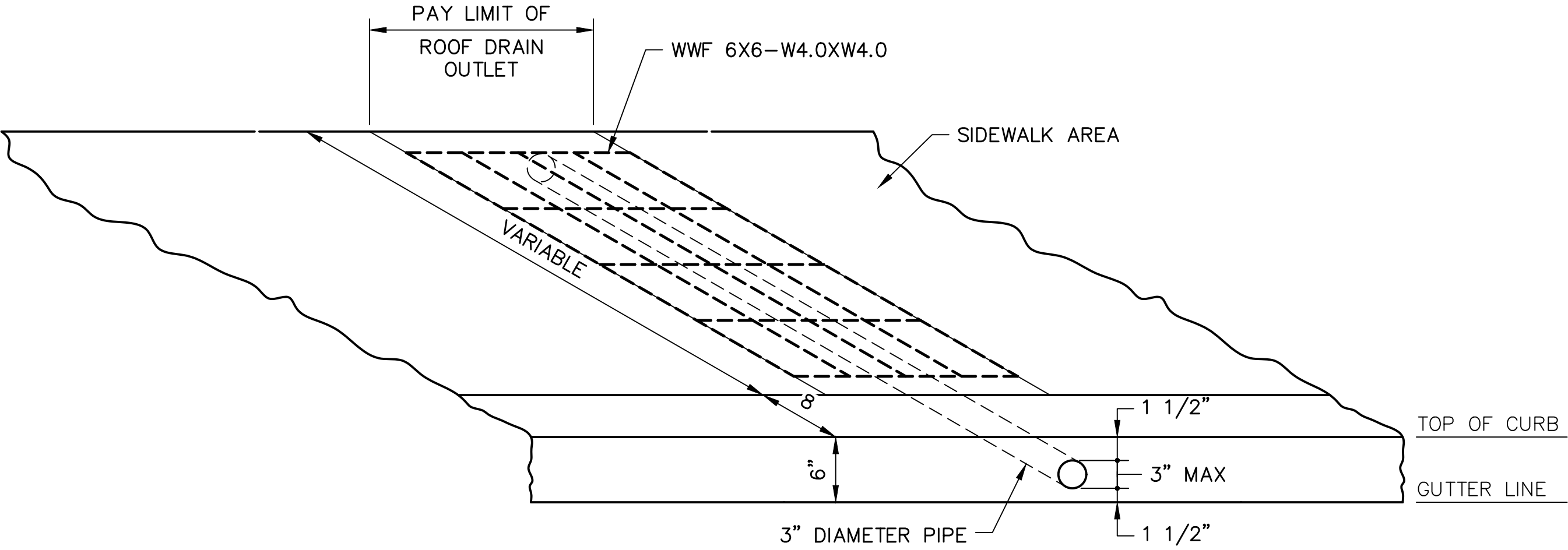
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ITEM 9000-0020 BARRIER TRANSITION 4

DETAILS

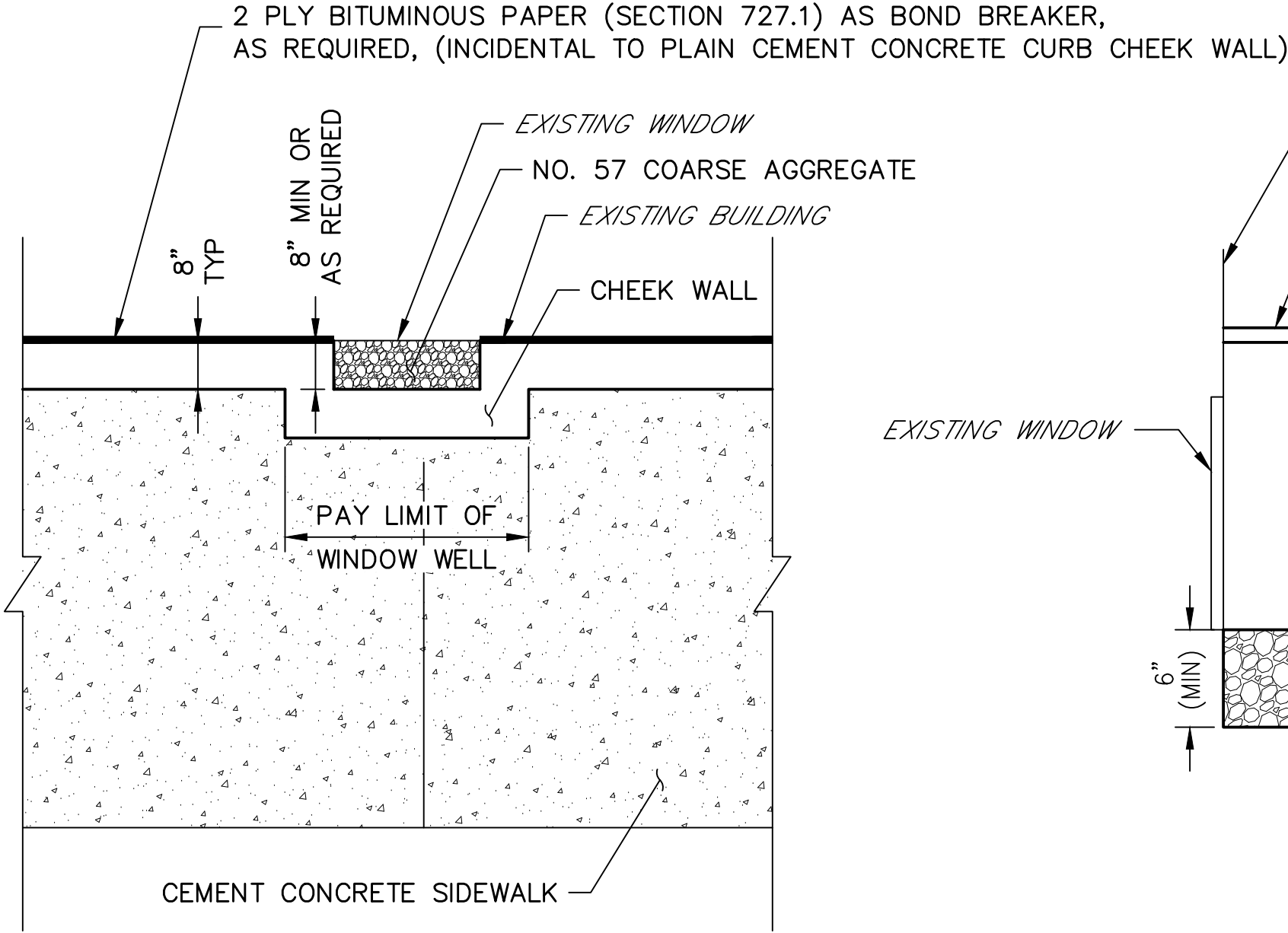
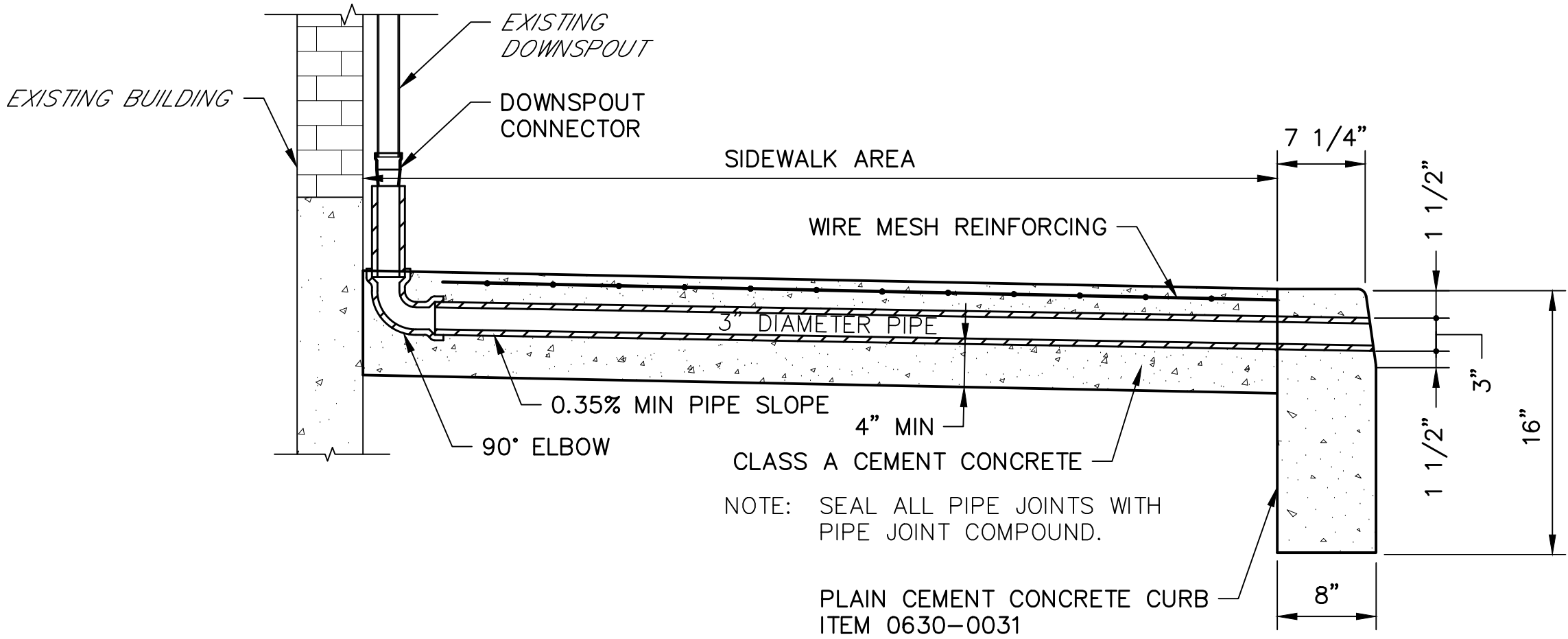


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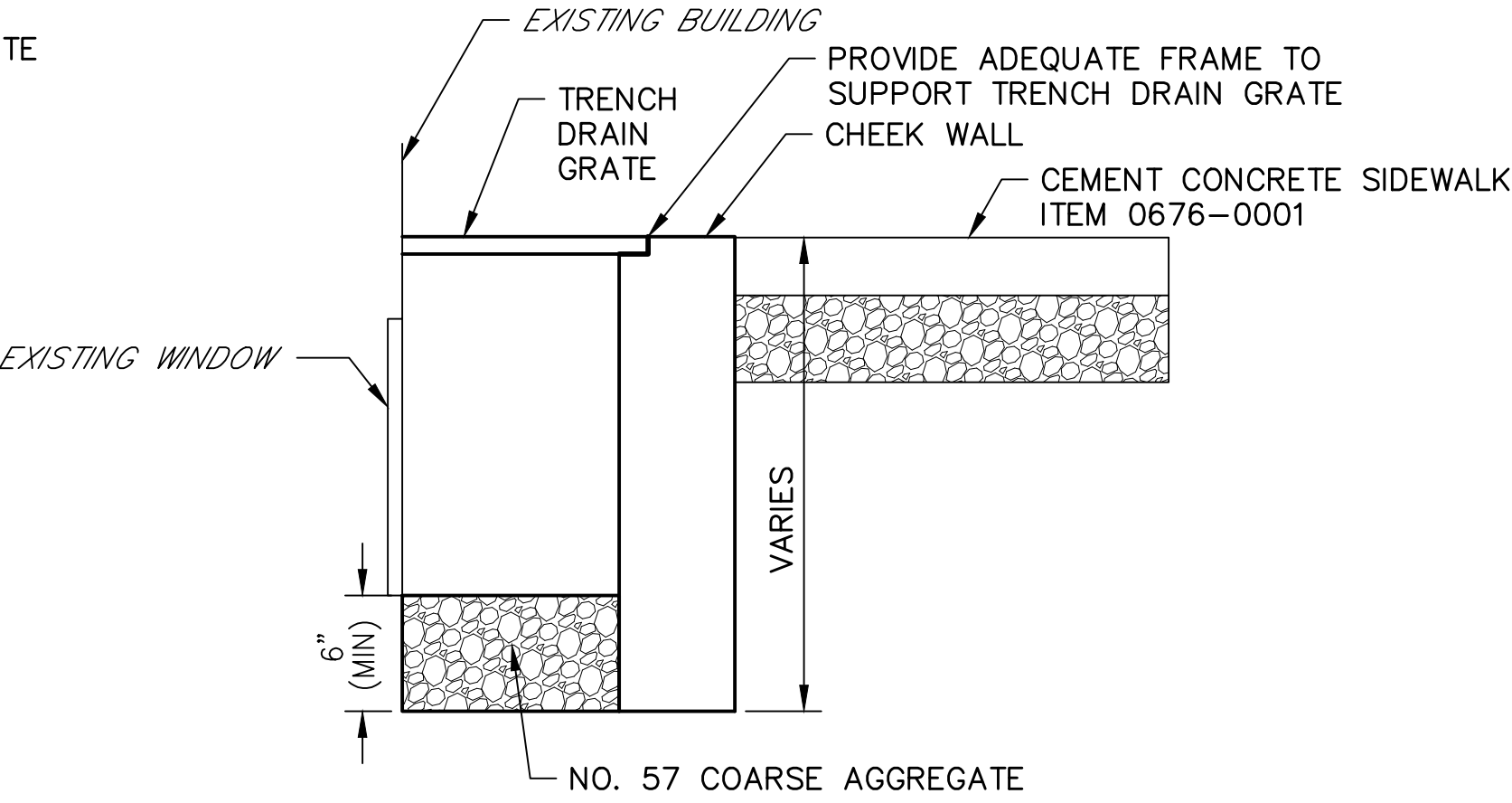
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	36 OF 63
CITY OF READING				
REVISIONS			DATE	BY



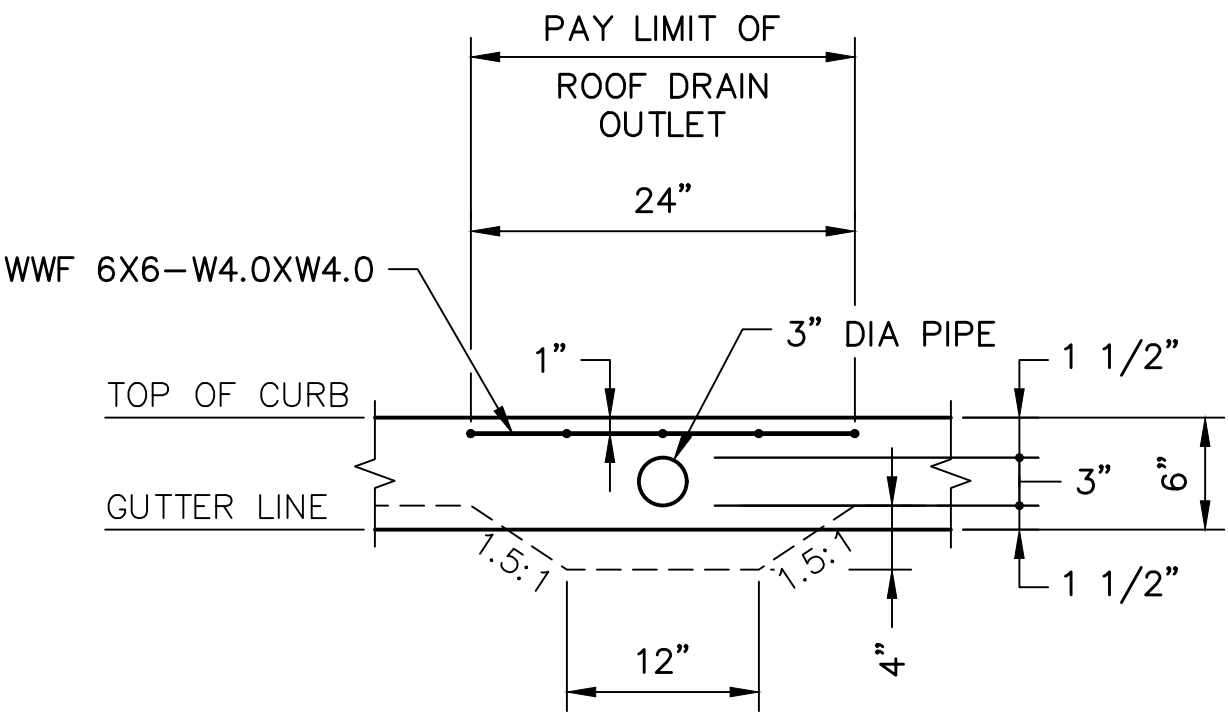
ISOMETRIC VIEW



PLAN VIEW



ELEVATION VIEW



ROOF DRAIN OUTLET

NOT TO SCALE
ITEM 9000-0007

WINDOW WELL

NOT TO SCALE
ITEM 9000-0009

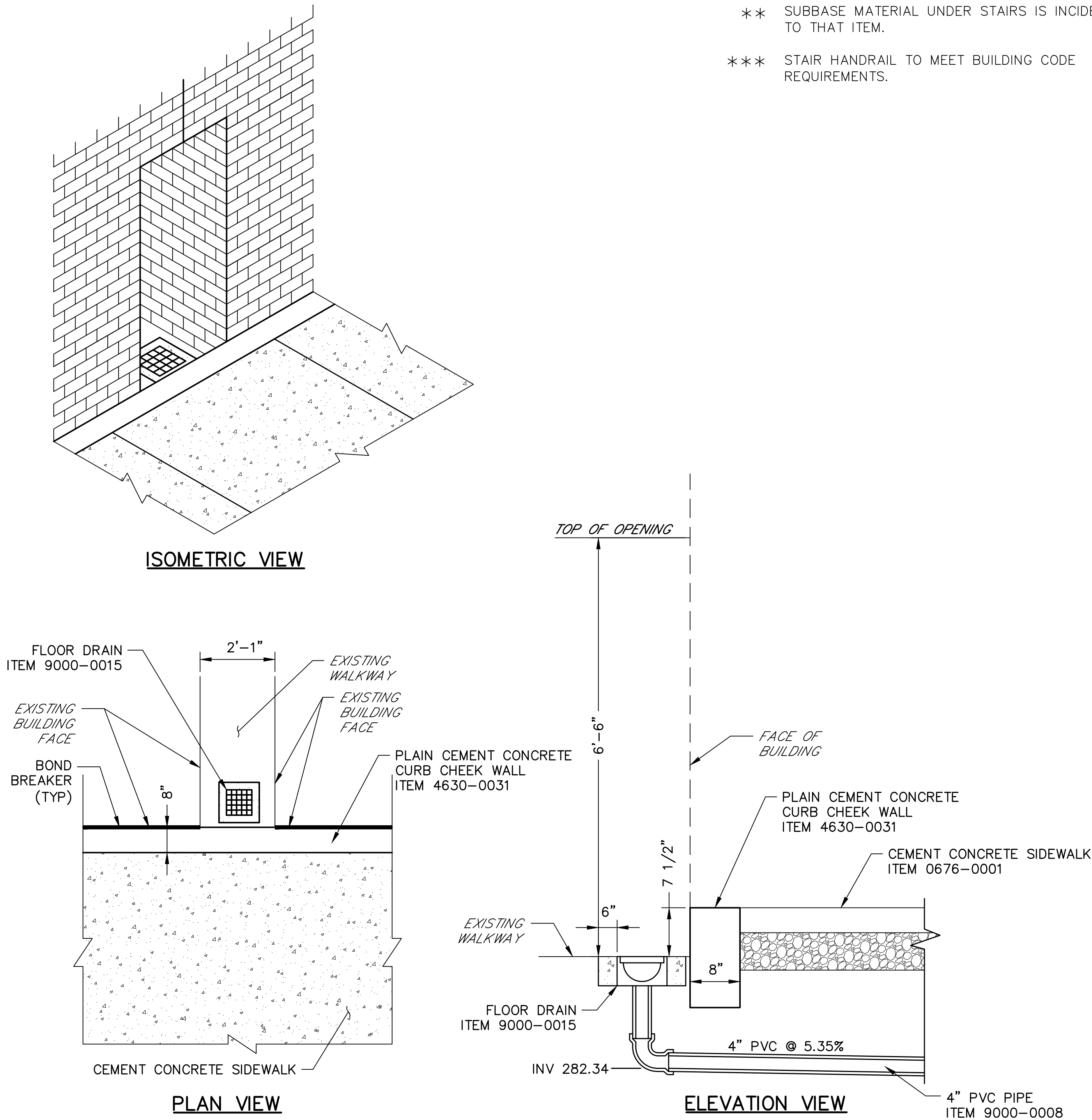
DETAILS



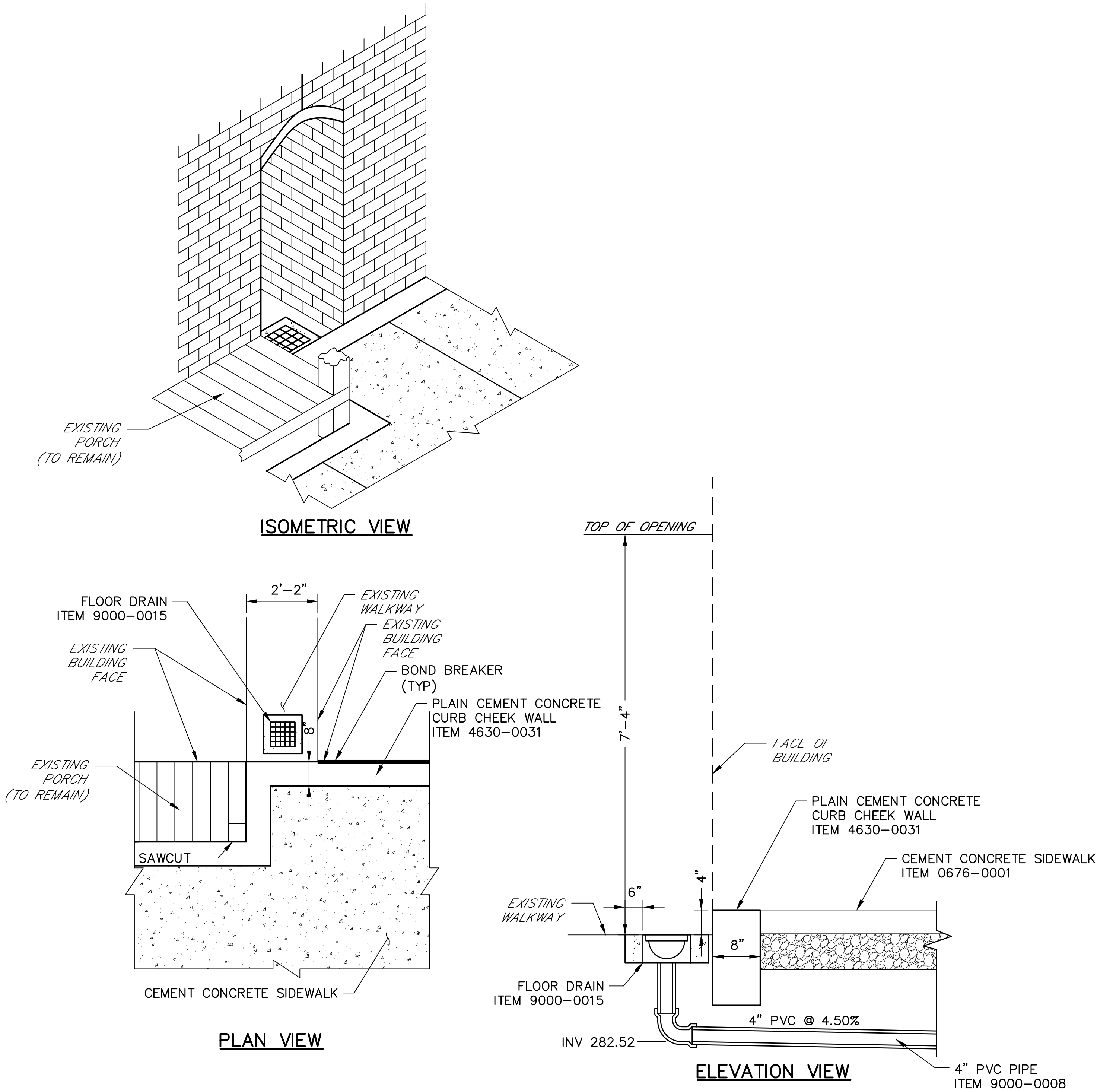
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	37 OF 63
CITY OF READING				
REVISIONS			DATE	BY

- NOTES:**
- * ADJUST RISER(S) AND TREAD(S) AS NECESSARY TO FIT FIELD CONDITIONS IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS. USE UNIFORM RISER AND TREAD DIMENSIONS FOR MULTIPLE STEPS.
 - ** SUBBASE MATERIAL UNDER STAIRS IS INCIDENTAL TO THAT ITEM.
 - *** STAIR HANDRAIL TO MEET BUILDING CODE REQUIREMENTS.



PEDESTRIAN ALLEY ACCESS STA 3+50 LT
NOT TO SCALE



PEDESTRIAN ALLEY ACCESS STA 3+46 RT
NOT TO SCALE

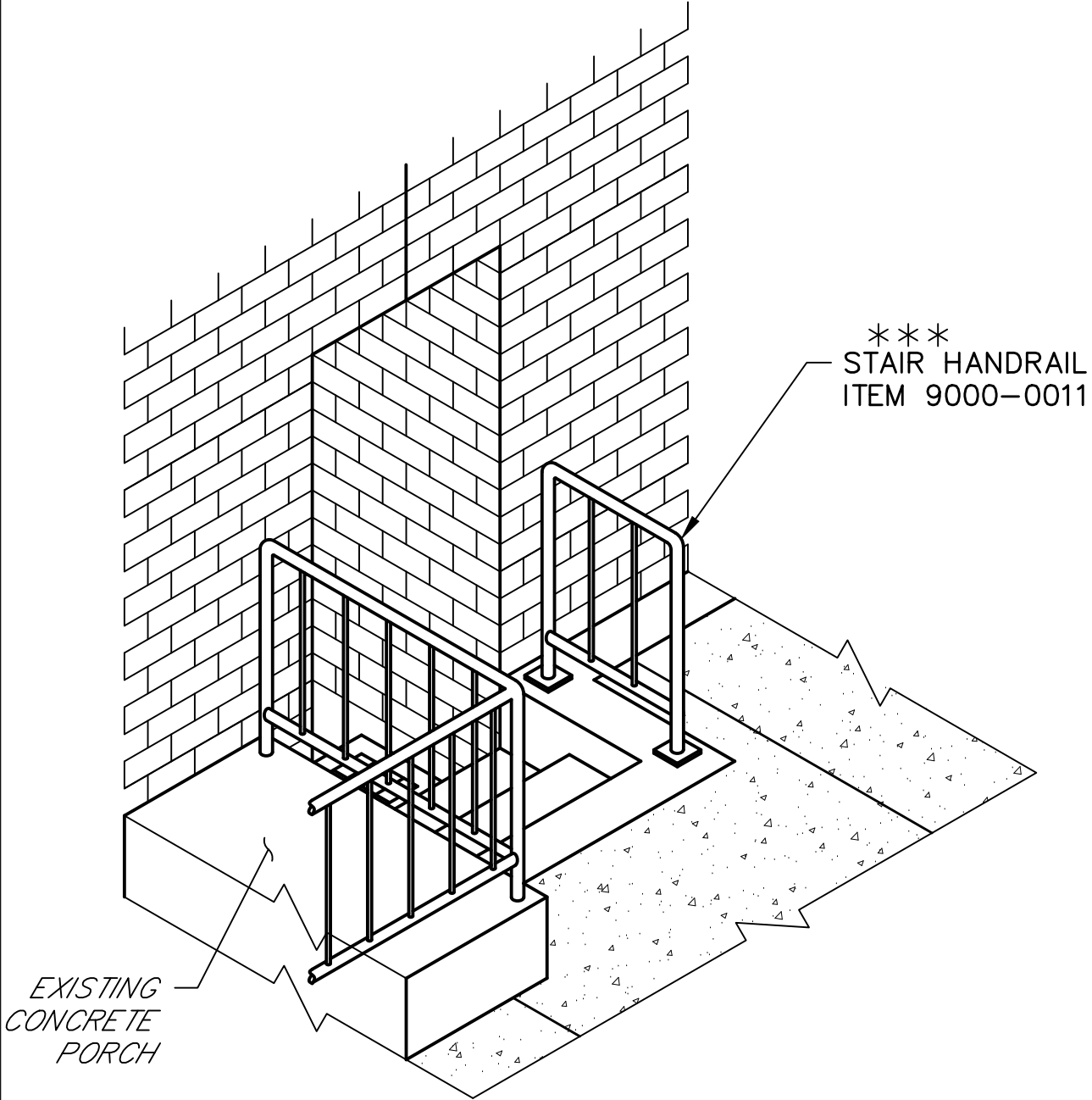
DETAILS



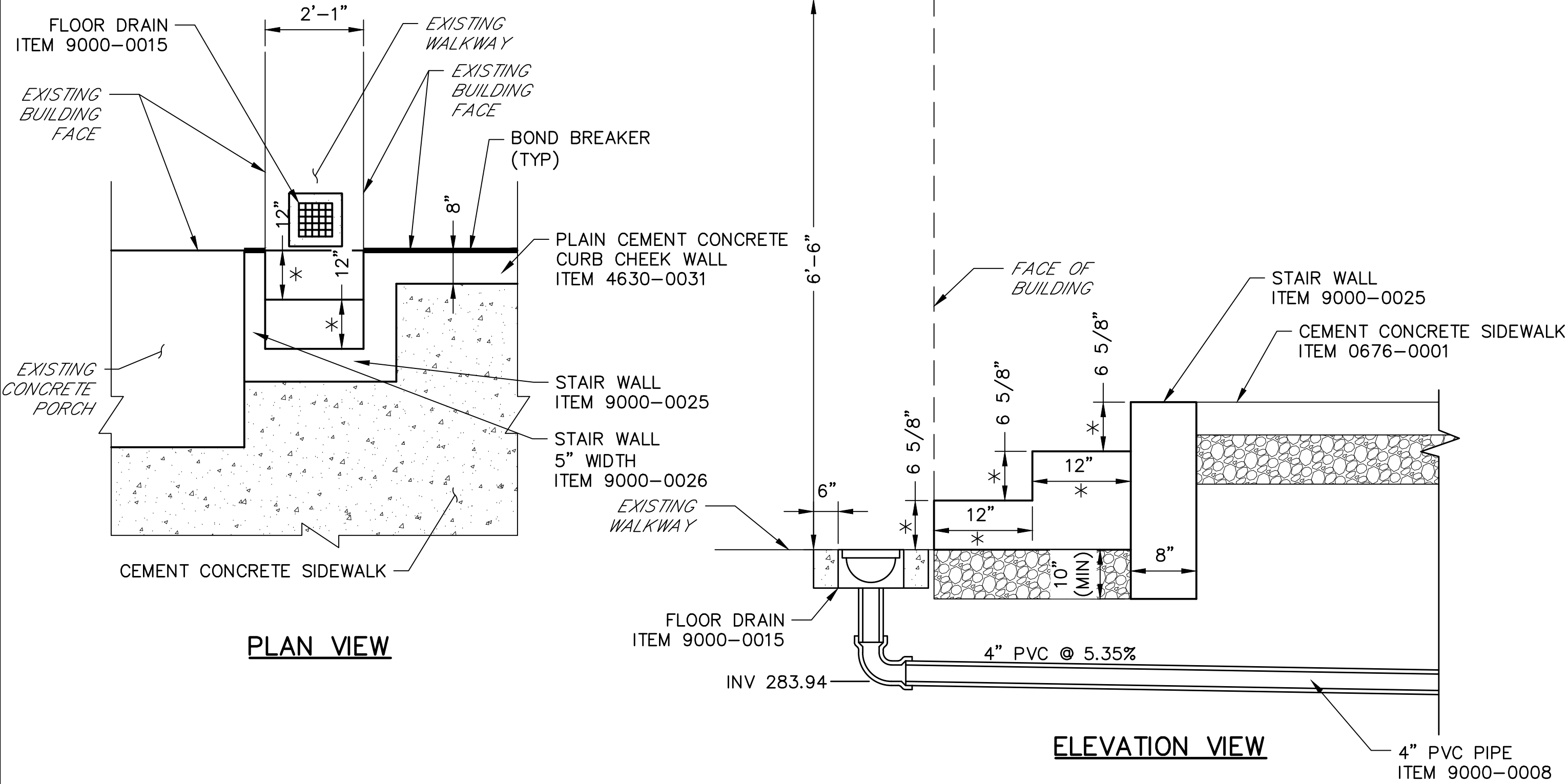
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	38 OF 63
CITY OF READING				
REVISIONS			DATE	BY

- NOTES:**
- * ADJUST RISER(S) AND TREAD(S) AS NECESSARY TO FIT FIELD CONDITIONS IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS. USE UNIFORM RISER AND TREAD DIMENSIONS FOR MULTIPLE STEPS.
 - ** SUBBASE MATERIAL UNDER STAIRS IS INCIDENTAL TO THAT ITEM.
 - *** STAIR HANDRAIL TO MEET BUILDING CODE REQUIREMENTS.

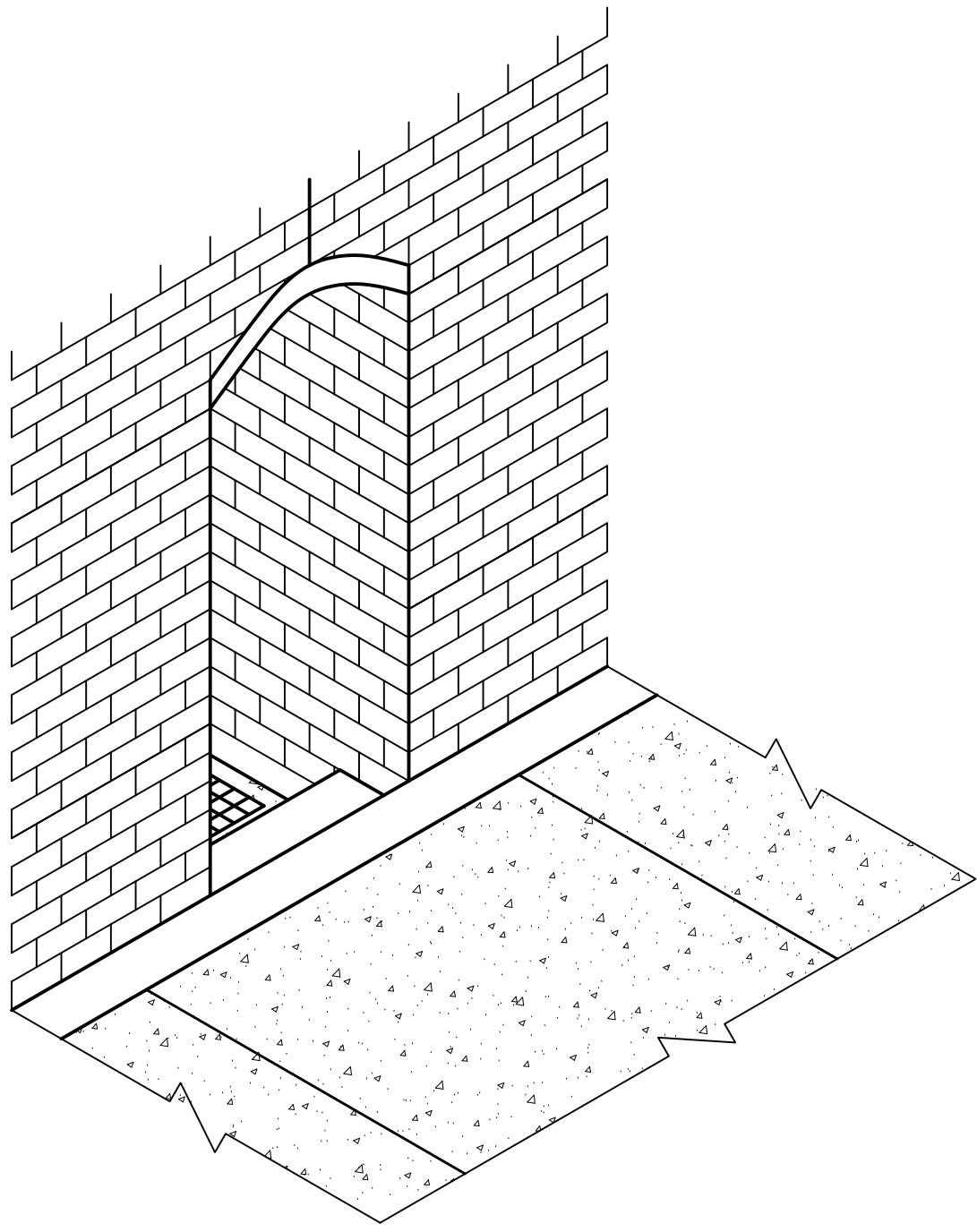


ISOMETRIC VIEW

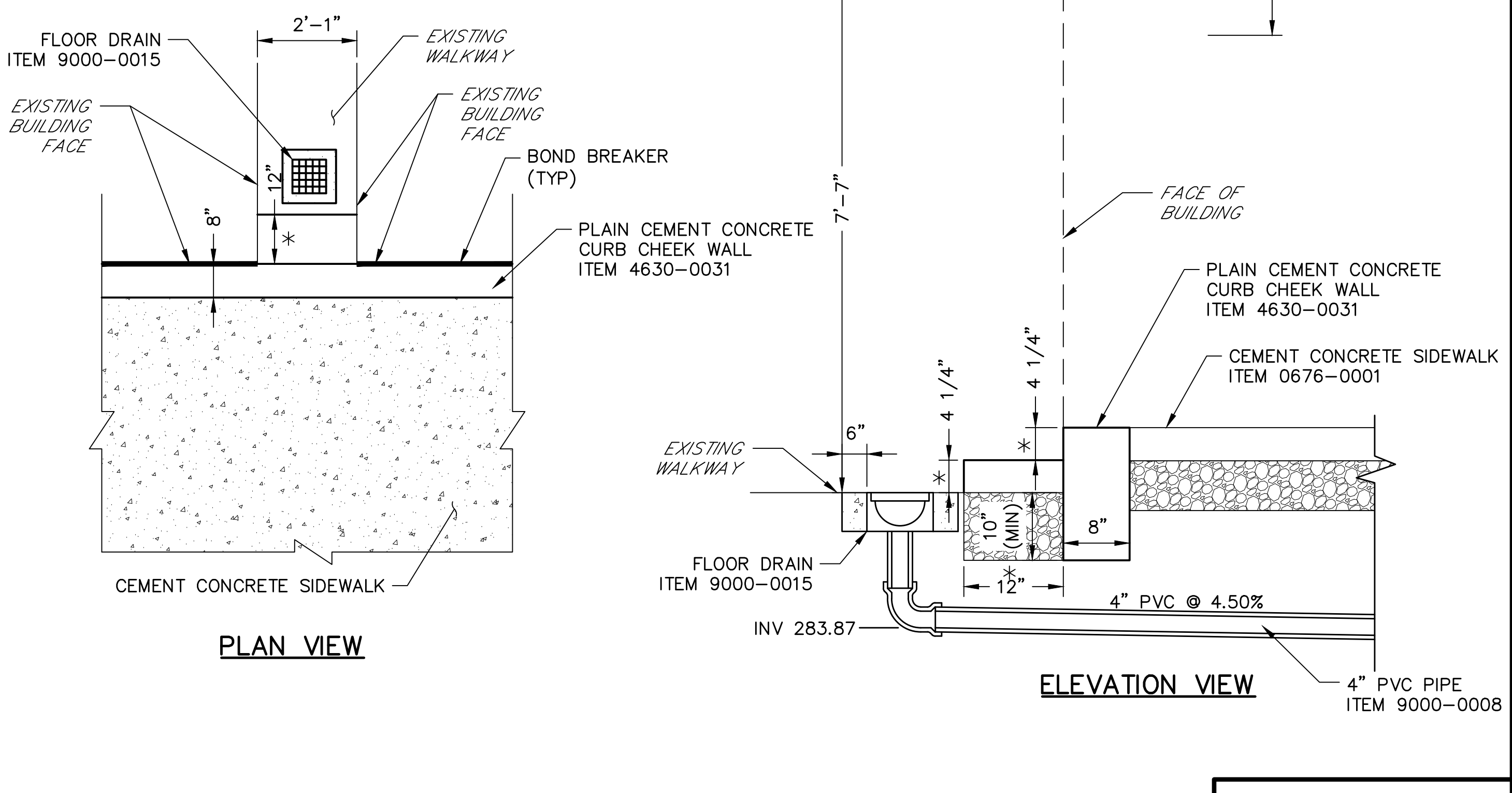


PEDESTRIAN ALLEY ACCESS STA 3+77 LT

NOT TO SCALE



ISOMETRIC VIEW



PEDESTRIAN ALLEY ACCESS STA 3+76 RT

NOT TO SCALE

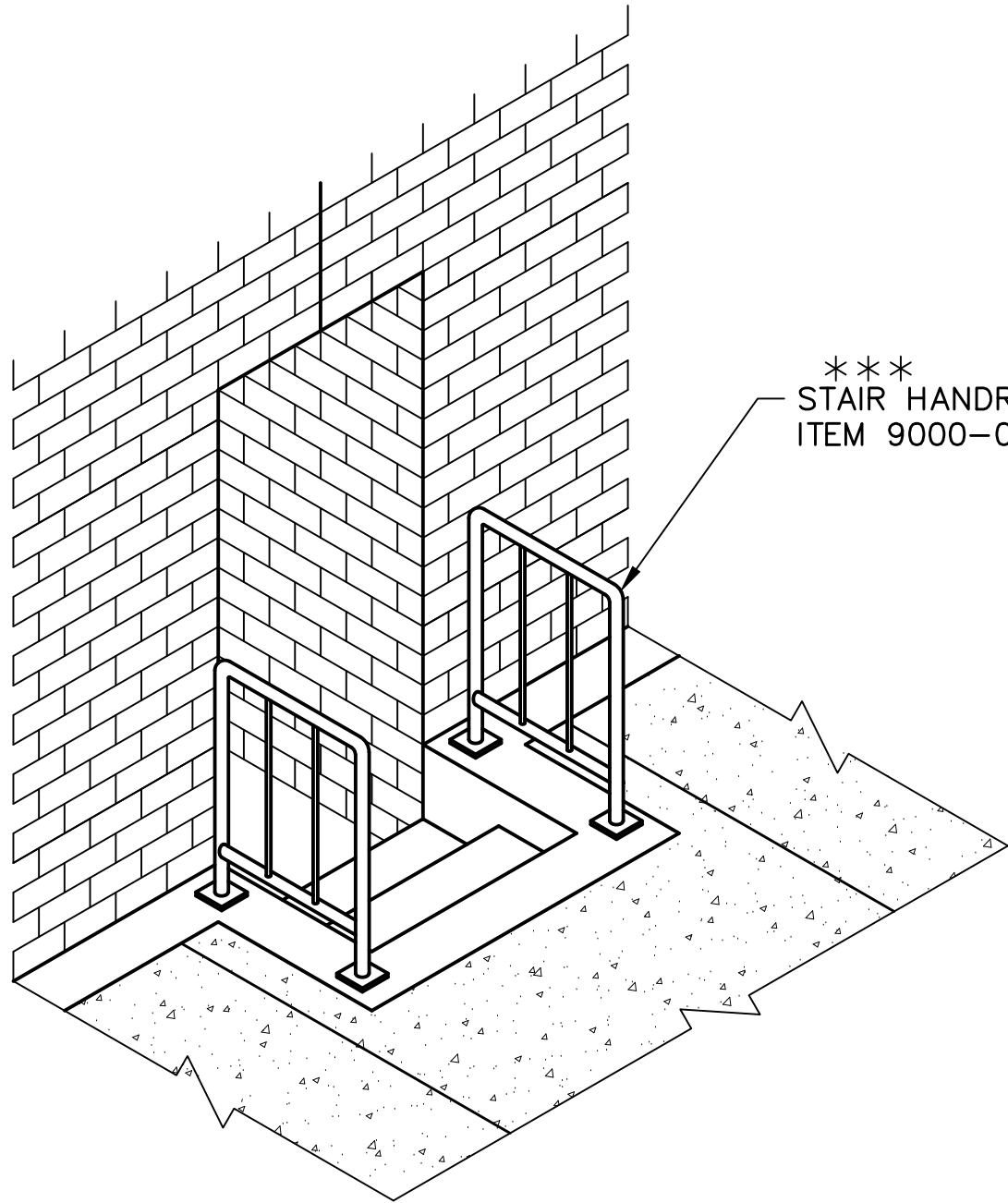


DETAILS

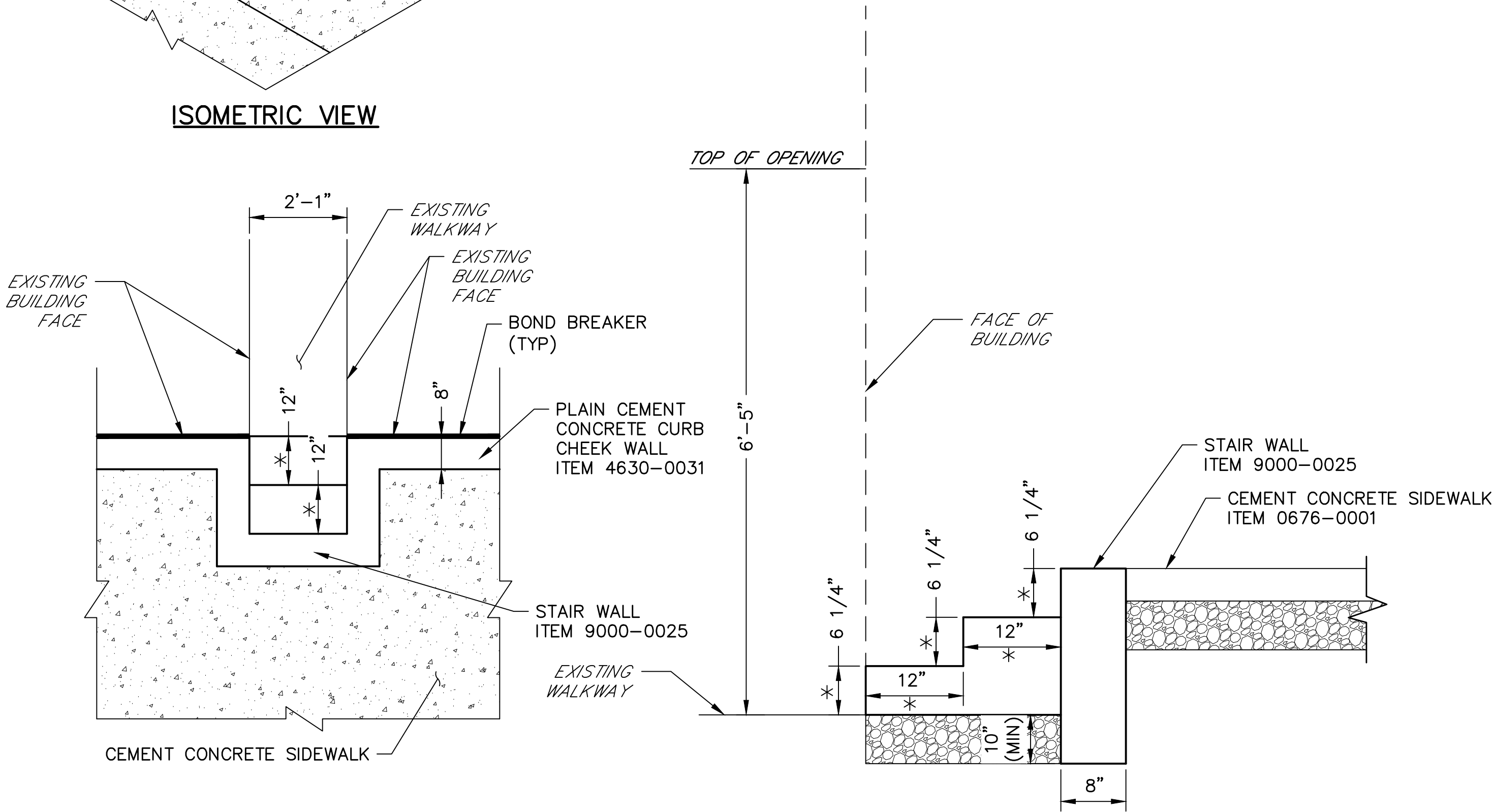
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	39 OF 63
CITY OF READING				
REVISIONS			DATE	BY

- NOTES:**
- * ADJUST RISER(S) AND TREAD(S) AS NECESSARY TO FIT FIELD CONDITIONS IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS. USE UNIFORM RISER AND TREAD DIMENSIONS FOR MULTIPLE STEPS.
 - ** SUBBASE MATERIAL UNDER STAIRS IS INCIDENTAL TO THAT ITEM.
 - *** STAIR HANDRAIL TO MEET BUILDING CODE REQUIREMENTS.



ISOMETRIC VIEW

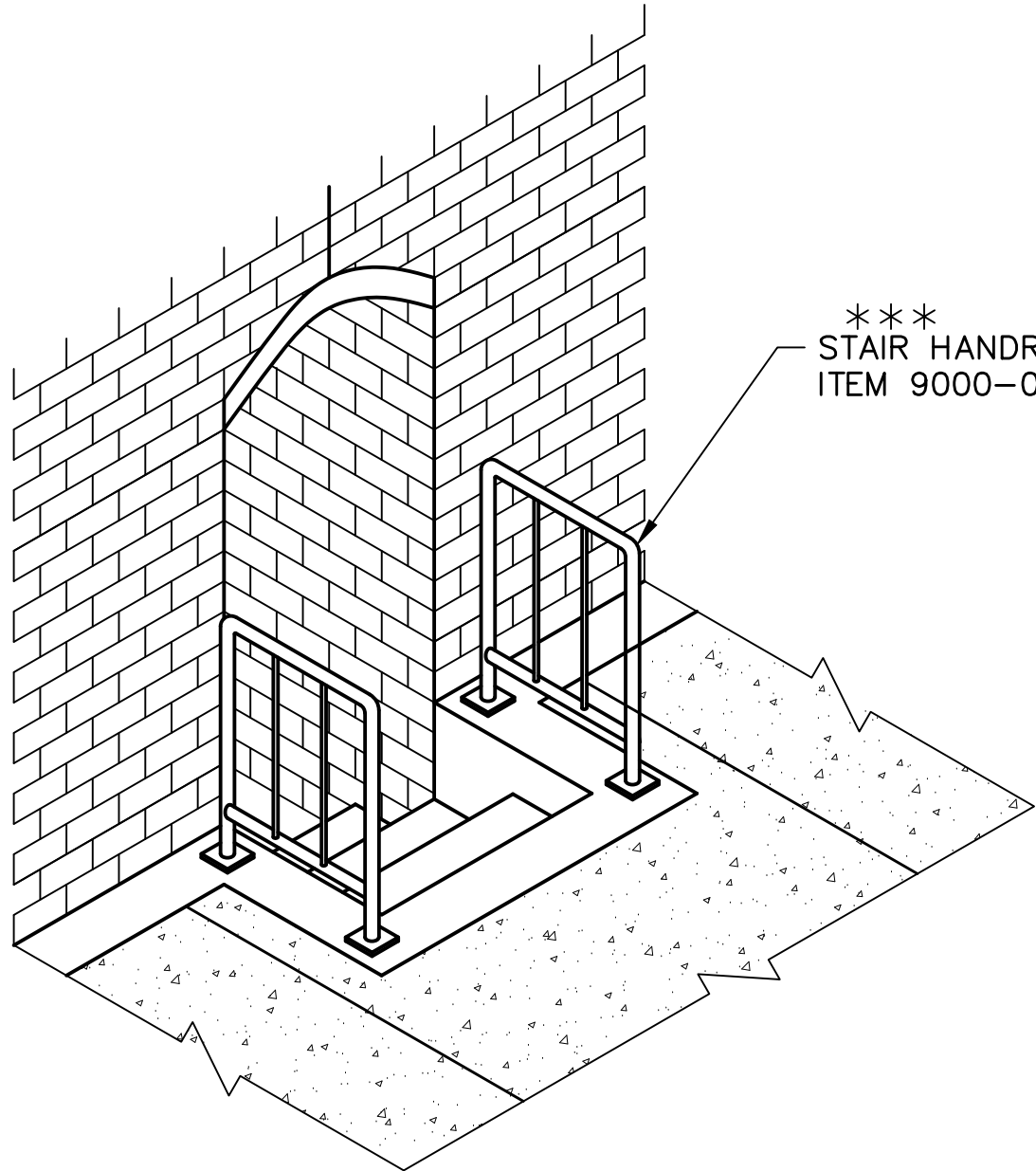


PLAN VIEW

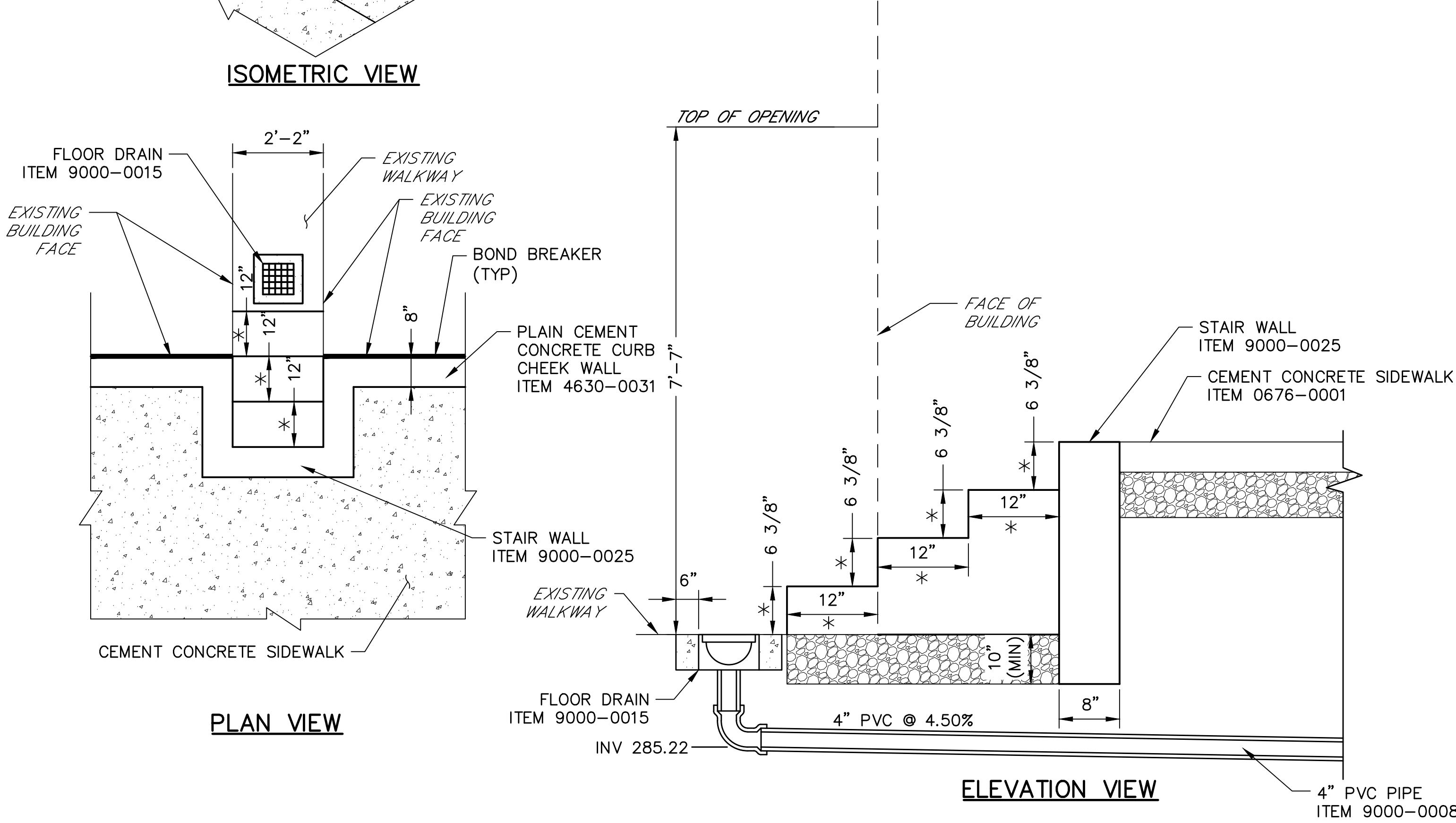
ELEVATION VIEW

PEDESTRIAN ALLEY ACCESS STA 4+04 LT

NOT TO SCALE



ISOMETRIC VIEW



PLAN VIEW

ELEVATION VIEW

PEDESTRIAN ALLEY ACCESS STA 4+06 RT

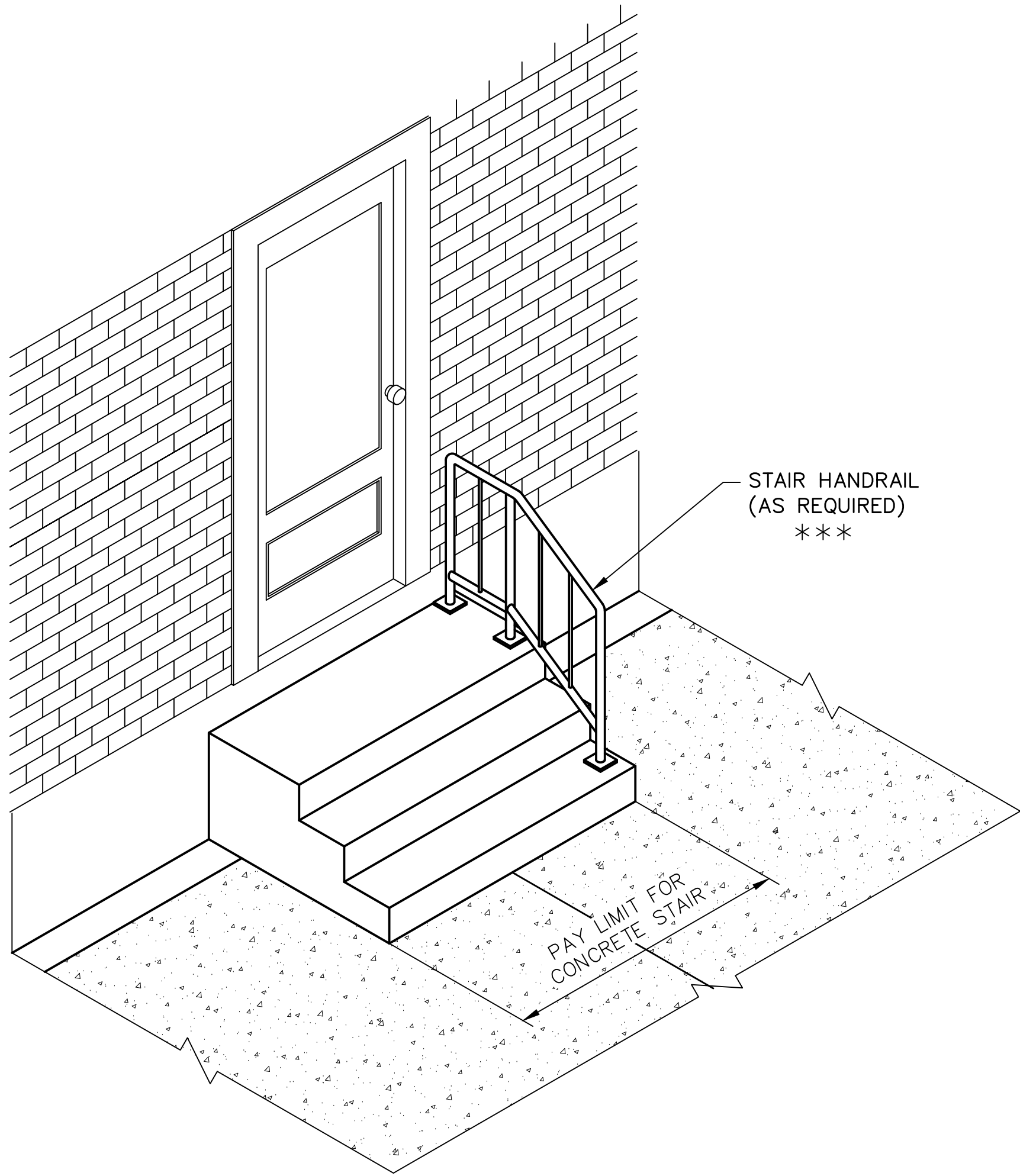
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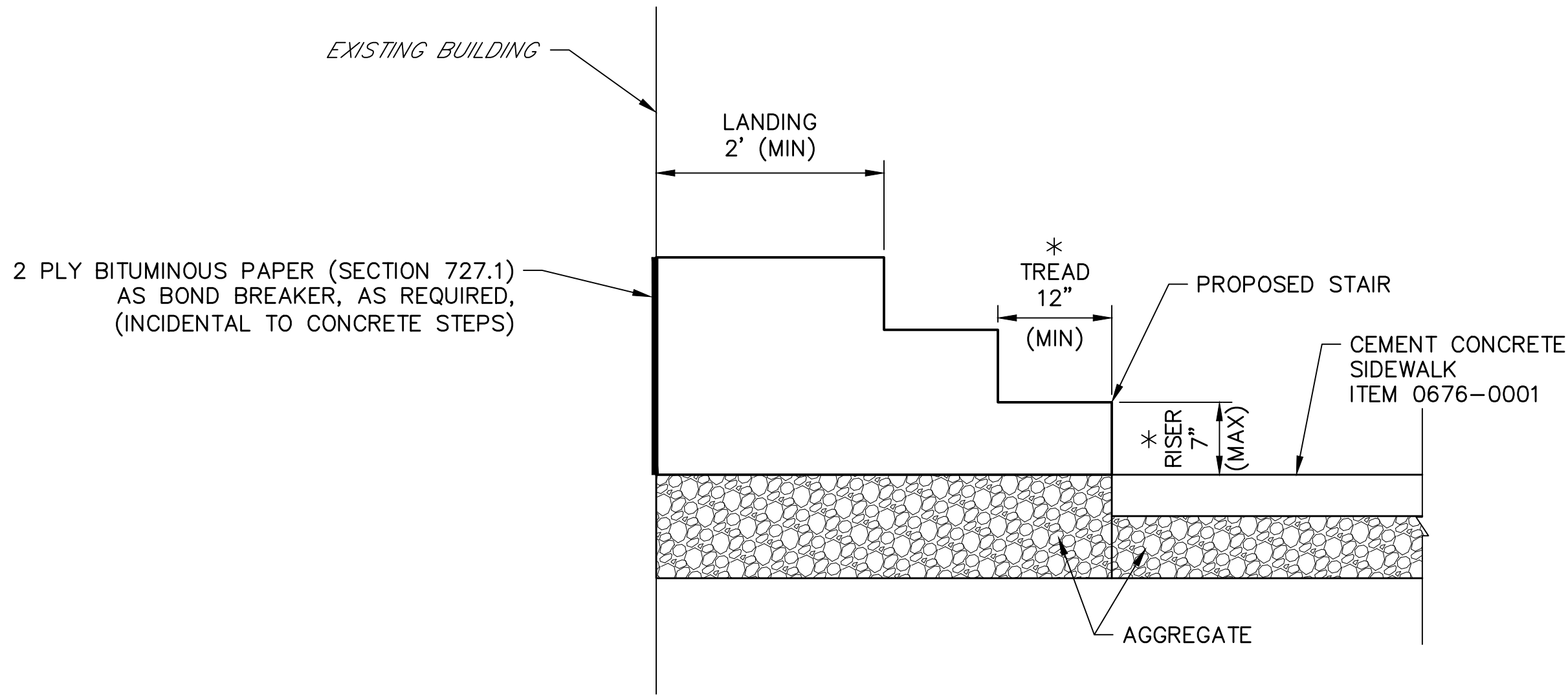
DETAILS

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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	40 OF 63
CITY OF READING				
REVISIONS			DATE	BY



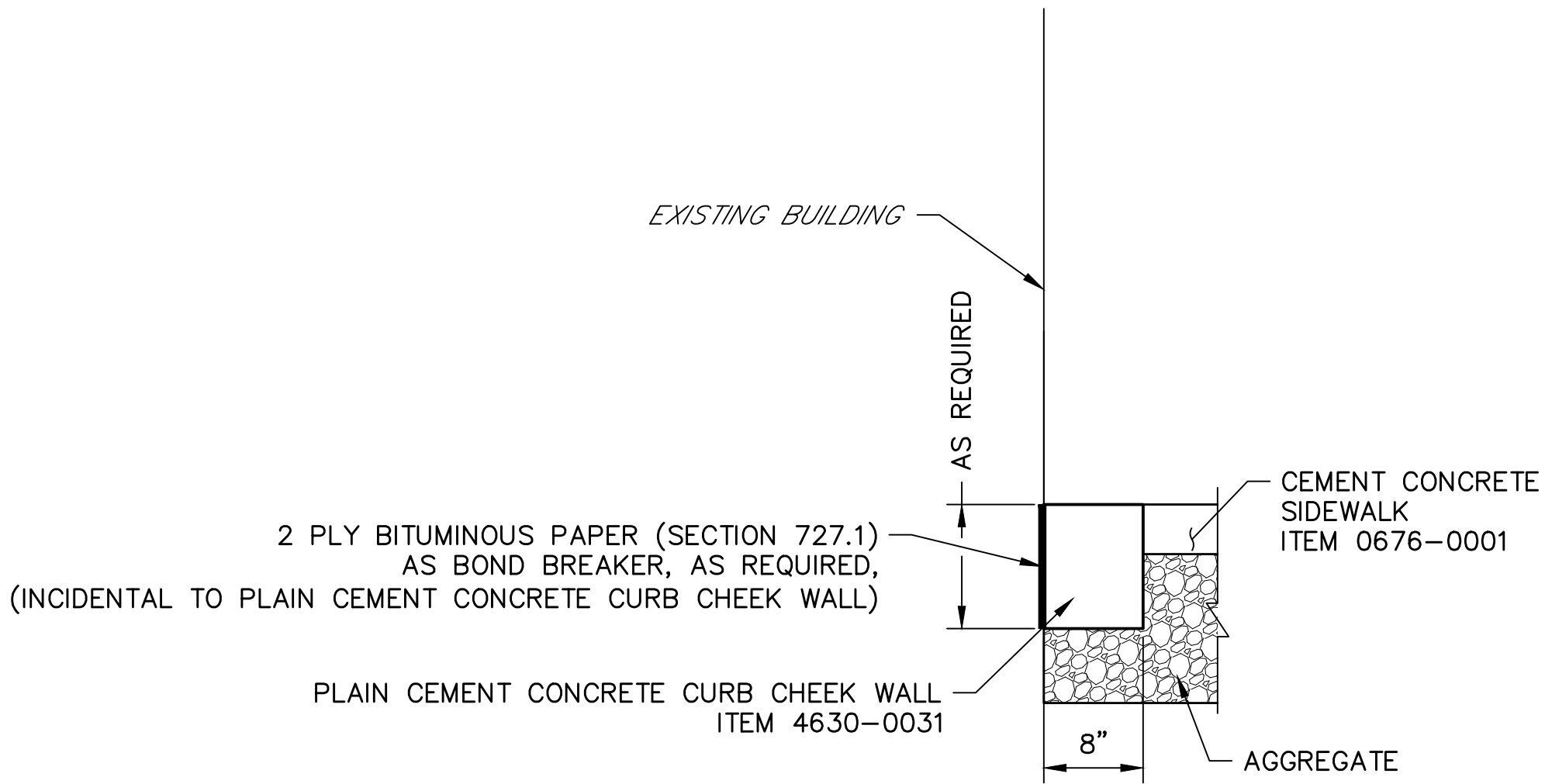
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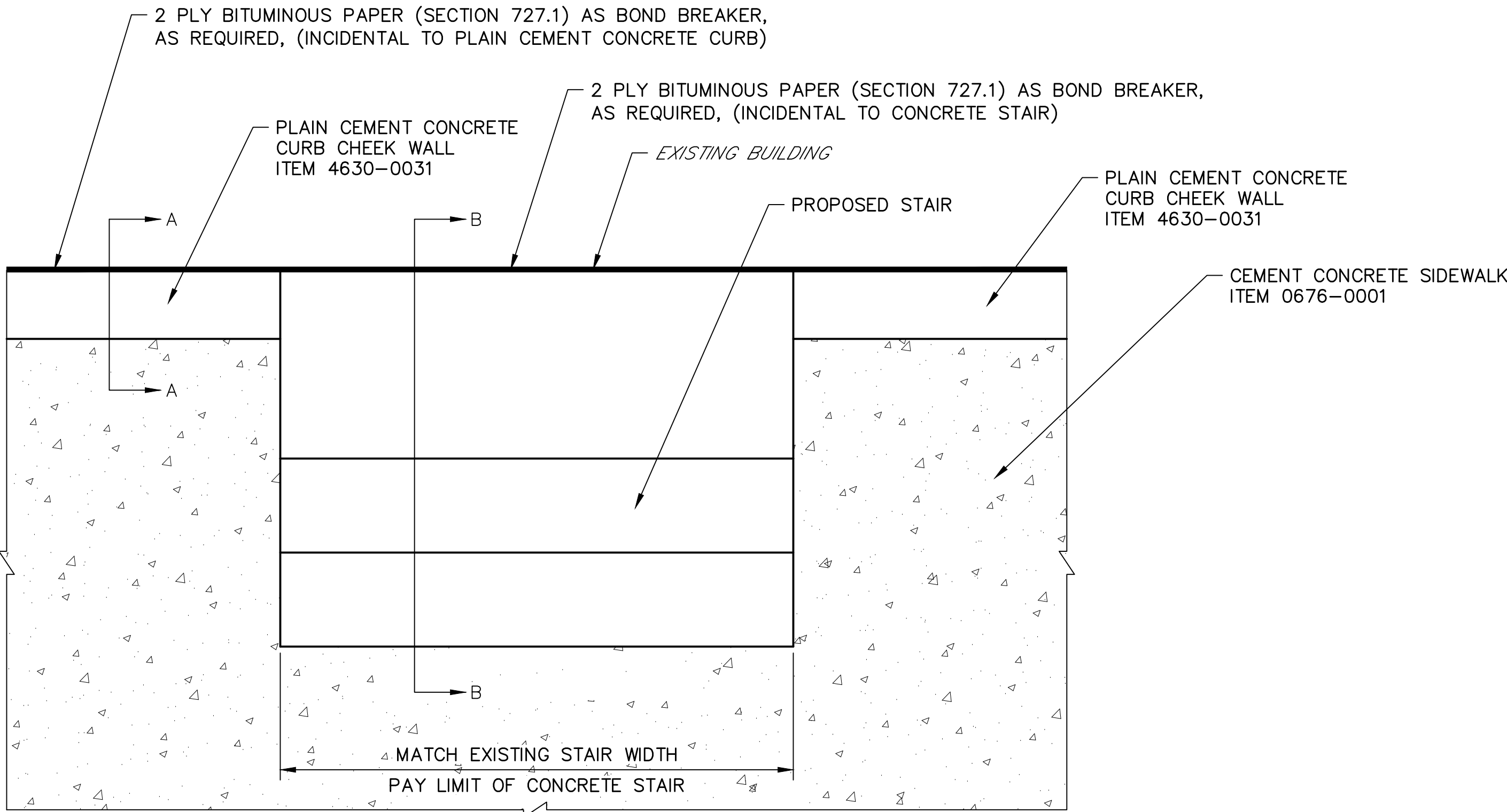
SECTION B-B

NOTES:

- * ADJUST RISER(S) AND TREAD(S) AS NECESSARY TO FIT FIELD CONDITIONS IN ACCORDANCE WITH BUILDING CODE REQUIREMENTS. USE UNIFORM RISER AND TREAD DIMENSIONS FOR MULTIPLE STEPS.
- ** SUBBASE MATERIAL UNDER STAIRS IS INCIDENTAL TO THAT ITEM.
- *** STAIR HANDRAIL TO MEET BUILDING CODE REQUIREMENTS.



SECTION A-A



PLAN VIEW

CONCRETE STAIR

NOT TO SCALE
ITEM 9000-0010

STAIR HANDRAIL

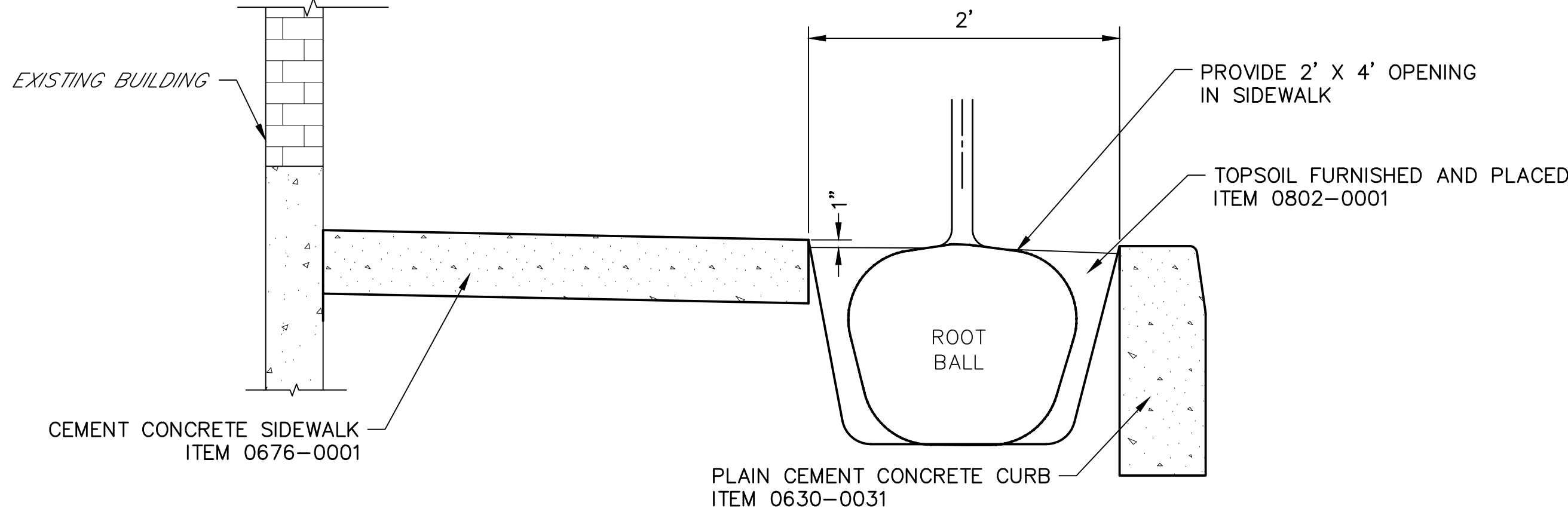
NOT TO SCALE
ITEM 9000-0011

DETAILS

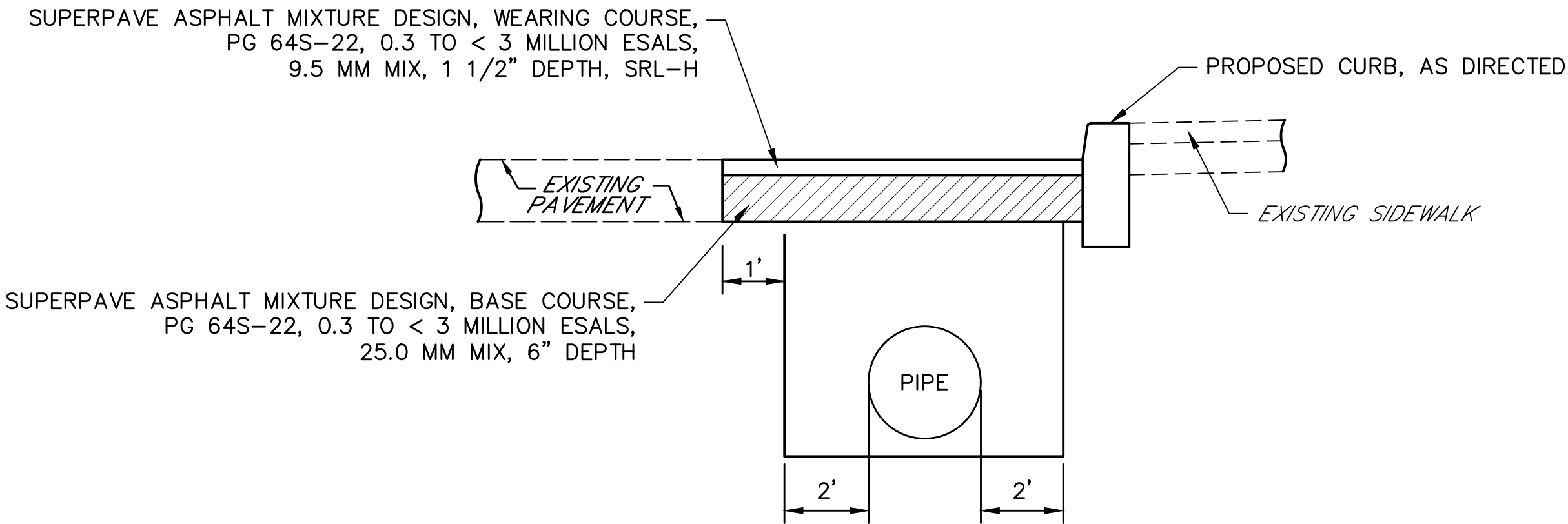


W:\01\0194\0194-04_S\SR_0183\DWGS\CDD2012\Const\DWGS\0194-04-SR0183-05B-C12-DTL.dwg - Plotted: 10/19/2022 3:50 PM - By: CAMPBELL - Device: CANON C3075 UPRIPLOT3 - Plot Style: MKA HALF B+W.CTB

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	41 OF 63
CITY OF READING				
REVISIONS			DATE	BY



TREE PLACEMENT
NOT TO SCALE



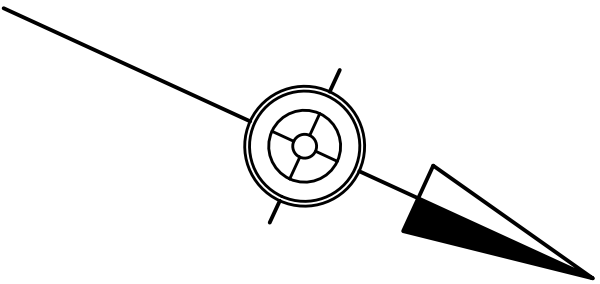
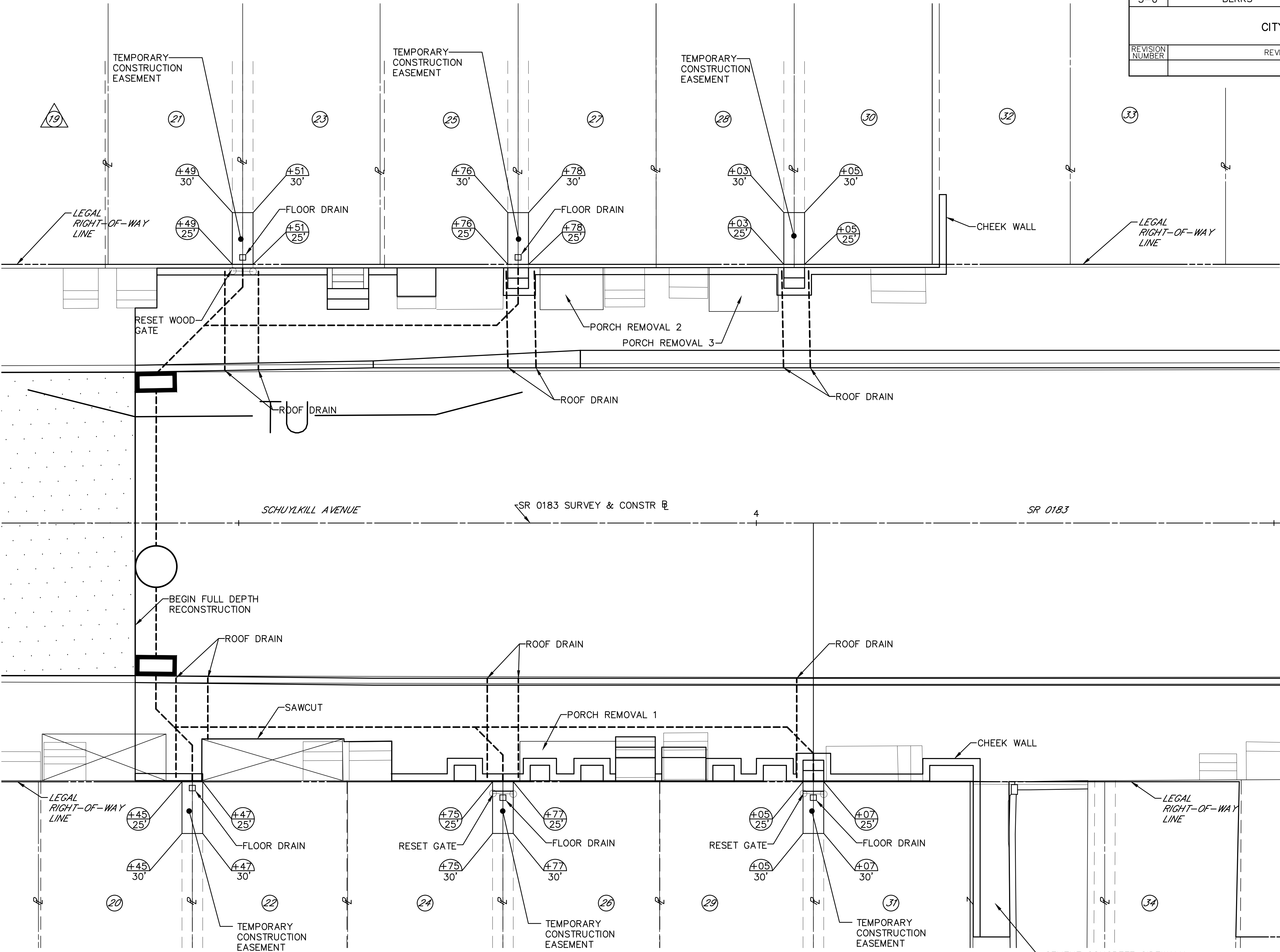
**WEST GREEN STREET
RESTORATION OF PAVEMENT OVER PIPE**
WEST GREEN STREET—STA 10+42.11 TO STA 17+52.84 LT
SR 0183—STA 7+45.45 TO STA 17+52.84 (WEST GREEN STREET) LT
NOT TO SCALE

DETAILS



W:\01\0194\0194-04_Sr_0183\DWGS\CD\2012\Const\DWG\0194-04-SR0183-05B-C12-PLAN.dwg - Plotted: 10/19/2022 3:50 PM - By: CAMPBELL - Device: AUTOCAD PDF (GENERAL DOCUMENTATION) PC3 - Plot Style: MKA_FULL_B-W-CTB

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	42 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY



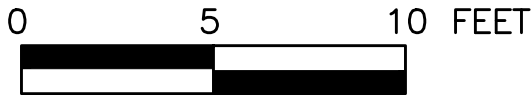
LEGEND

$\frac{+04}{25'}$ SCALED DIMENSION

NOTES:

THE ENLARGEMENT IS FOR THE PURPOSES OF MORE CLEARLY ILLUSTRATING THE TEMPORARY CONSTRUCTION EASEMENTS AND THE PROPOSED STAIR/CHEEK WALL CONSTRUCTION, THEREFORE NOT ALL OF THE EXISTING TOPOGRAPHY IS SHOWN.

SCALE



PEDESTRIAN ALLEY, STAIR, CHEEK WALL DETAILS



TCP-STRUCTURE STR-STRUCTURE SPMP-SIGNING & PAVEMENT MARKING PLAN ◆ - SEE SPECIAL PROVISIONS												SUMMARY												REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
																												05	BERKS	183	05B	43 OF 63
QUANTITY	ITEM NO	DESCRIPTION	DESIGN NO	FOR TAB SEE SHEET	QUANTITY	ITEM NO	DESCRIPTION	DESIGN NO	FOR TAB SEE SHEET	QUANTITY	ITEM NO	DESCRIPTION	DESIGN NO	FOR TAB SEE SHEET	QUANTITY	ITEM NO	DESCRIPTION	DESIGN NO	FOR TAB SEE SHEET													
	UNIT					UNIT					UNIT					UNIT																
	0201 0001 LS	CLEARING AND GRUBBING		NO TAB	OR 72	0601 0560 LF	18" THERMOPLASTIC PIPE, GROUP VII, 12'-2' FILL, SHORE/TRENCH BOX, 100 YEAR DESIGN LIFE	1	53-54	1292	0630 0035 LF	PLAIN CEMENT CONCRETE CURB, 6" HEIGHT, INCLUDING REMOVAL OF EXISTING CURB		55-57		0901 0001 LS	MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION		NO TAB													
	4202 0001 LS	DEMOLITION RESIDENTIAL BUILDING 1		NO TAB	EITHER 35	0601 7517 LF	24" REINFORCED CONCRETE PIPE, TYPE A, 7' - 3' FILL, SHORE/TRENCH BOX, 100 YEAR DESIGN LIFE	2	53-54	1092	0676 0001 SY	CEMENT CONCRETE SIDEWALK		55-57	100	0901 0231 DAY	ADDITIONAL WARNING LIGHTS, TYPE B		TCP													
	4202 0002 LS	DEMOLITION, BLOCK GARAGE		NO TAB	OR 35	0601 0562 LF	24" THERMOPLASTIC PIPE, GROUP VII, 12'-2' FILL, SHORE/TRENCH BOX, 100 YEAR DESIGN LIFE	2	53-54	57	0676 0003 SY	SIDEWALKS AND DRIVEWAY APRONS THROUGH DRIVEWAYS		55-57	100	0901 0240 SF	ADDITIONAL TRAFFIC CONTROL SIGNS		TCP													
	4202 0003 LS	DEMOLITION RESIDENTIAL BUILDING 2		NO TAB	EITHER 38	0601 7518 LF	24" REINFORCED CONCRETE PIPE, TYPE A, 10' - 7' FILL, SHORE/TRENCH BOX, 100 YEAR DESIGN LIFE	3	53-54	2	0677 0001 CY	SELECTED MATERIAL SURFACING		55-57	3770	0901 0320 LF	4" STANDARD PAVEMENT MARKINGS, PAINT & BEADS, YELLOW		TCP													
260	0203 0001 CY	CLASS 1 EXCAVATION		45-52	OR 38	0601 0562 LF	24" THERMOPLASTIC PIPE, GROUP VII, 12'-2' FILL, SHORE/TRENCH BOX, 100 YEAR DESIGN LIFE	3	53-54		0686 0050 LS	CONSTRUCTION SURVEYING, TYPE D		NO TAB	765	0901 0330 LF	4" STANDARD PAVEMENT MARKINGS, PAINT & BEADS, WHITE		TCP													
100	0203 0004 CY	CLASS 1B EXCAVATION		45-52, 55-57	4	0605 2401 SET	MANHOLE FRAME AND COVER		53-54		0689 0005 LS	CPM SCHEDULE, WITH UPDATES		NO TAB	1541	0901 0331 LF	6" STANDARD PAVEMENT MARKINGS, PAINT & BEADS, WHITE		TCP													
1636	0203 0006 LF	SAW CUTTING		45-52, 53-54	1	0605 2761 SET	TYPE D-H LEVEL CONCRETE TOP UNIT AND BICYCLE SAFE GRATES		53-54	1000	0690 0001 DOLLA	INTERNAL FACILITATION		NO TAB	307	0901 0334 LF	24" STANDARD PAVEMENT MARKINGS, PAINT & BEADS, WHITE		TCP													
1916	0204 0001 CY	CLASS 2 EXCAVATION		53-54, 59-60	5	0605 2850 EACH	STANDARD INLET BOX, HEIGHT < />= 10'		53-54	EITHER 302	4695 0003 SF	DETECTABLE WARNING SURFACE, POLYMER CONCRETE, BRICK RED COLOR	4	55-57	112	0931 0001 SF	POST MOUNTED SIGNS, TYPE B		TCP SPMP													
1076	0204 0150 CY	CLASS 4 EXCAVATION		53-54	2	0605 2854 EACH	TYPE 4 INLET BOX, HEIGHT < />= 10'		53-54	OR 302	4695 0004 SF	DETECTABLE WARNING SURFACE, POLYMER COMPOSITE, BRICK RED COLOR	4	55-57	16	0935 0001 SF	POST MOUNTED SIGNS, TYPE F		SPMP													
517	0212 0001 LF	GEOTEXTILE, CLASS 1		53-54	1	0605 2882 EACH	TYPE D-H INLET BOX, HEIGHT < />= 10'		53-54	93	0703 0020 CY	NO. 1 COARSE AGGREGATE		59-60	30	0936 0010 SF	STRUCTURE MOUNTED FLAT SHEET ALUMINUM SIGNS WITH STIFFENERS		TCP													
1350	0212 0014 SY	GEOTEXTILE, CLASS 4, TYPE A		59-60	4	0605 3011 EACH	TYPE 4 MANHOLE, STORM WATER, HEIGHT >5' AND < />= 10'		53-54	972	0703 0024 CY	NO. 2A COARSE AGGREGATE		53-54	15	0936 0200 SF	STRUCTURE MOUNTED FLAT SHEET ALUMINUM SIGNS		TCP													
13	0220 0020 CY	FLOWABLE BACKFILL, TYPE C		53-54	7	0605 5711 SET	TYPE C CONCRETE TOP UNIT, 6" CURB HEIGHT AND BICYCLE SAFE GRATE		53-54	312	0703 0026 CY	NO. 3 COARSE AGGREGATE		59-60	4	0937 0207 EACH	BARRIER MOUNTED DELINEATOR, TOP AND SIDE-MOUNT TYPE R, (Y/B)		SPMP													
1134	0313 0422 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, 0.3 TO < 3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH		45-52, 55-57		0608 0001 LS	MOBILIZATION		NO TAB	447	0802 0001 CY	TOPSOIL FURNISHED AND PLACED		45-52, 59-60	6	0937 0208 EACH	BARRIER MOUNTED DELINEATOR, TOP AND SIDE-MOUNT TYPE R, (W/B)		SPMP													
27	0313 0425 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, 0.3 TO < 3 MILLION ESALS, 25.0 MM MIX, 5 1/2" DEPTH		45-52		0609 0003 LS	INSPECTOR'S FIELD OFFICE AND INSPECTION FACILITIES, TYPE B		NO TAB	27	0804 0001 LB	SEEDING AND SOIL SUPPLEMENTS - FORMULA B, INCLUDING MULCH		59-60	9	0941 0001 EACH	RESET POST MOUNTED SIGNS, TYPE B		SPMP													
160	0313 0426 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, 0.3 TO < 3 MILLION ESALS, 25.0 MM MIX, 6" DEPTH		45-52, 55-57		0609 0009 LS	EQUIPMENT PACKAGE		NO TAB	107	0804 0005 LB	SEEDING AND SOIL SUPPLEMENTS - FORMULA N, INCLUDING MULCH		59-60	4	0945 0001 EACH	RESET POST MOUNTED SIGNS, TYPE F		SPMP													
533	0313 0429 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, 0.3 TO < 3 MILLION ESALS, 25.0 MM MIX, 7 1/2" DEPTH		53-54	517	0610 7002 LF	6" PAVEMENT BASE DRAIN		53-54	265	0804 0014 LB	SEEDING - FORMULA E		59-60	1000	0950 0002 DOLLA	UNFORESEEN TRAFFIC SIGNAL WORK		TCP													
1187	0350 0106 SY	SUBBASE 6" DEPTH (NO. 2A)		45-52, 55-57	108	4623 0052 LF	SINGLE FACE CONCRETE BARRIER, MODIFIED HEIGHT AND WIDTH		45-52	1790	0806 0121 SY	TEMPORARY EXTENDED-TERM, ROLLED EROSION CONTROL PRODUCT, TYPE 3B		59-60	2	0951 0120 EACH	TRAFFIC SIGNAL SUPPORT, 20' MAST ARM		TCP													
8	0350 0120 CY	SUBBASE (NO. 2A)		55-57	377	0624 0001 LF	RIGHT-OF-WAY FENCE, TYPE 1		58	2	0808 3428 EACH	GREEN VASE ZELKOVA - (3" CAL. B&B)		45-52	1	0951 0140 EACH	TRAFFIC SIGNAL SUPPORT, 40' MAST ARM		TCP													
5015	0413 0245 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, 0.3 TO < 3 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H		45-52, 55-57	8	0624 0300 EACH	END POSTS FOR TYPE 1 RIGHT-OF-WAY FENCE		58	5	0810 0052 EACH	SELECTIVE TREE REMOVAL		45-52	1	0951 4010 EACH	TRAFFIC SIGNAL SUPPORT, 10' PEDESTAL		TCP													
995	0413 6045 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64S-22, 0.3 TO < 3 MILLION ESALS, 19.0 MM MIX, 2 1/2" DEPTH		45-52	3	0624 0400 EACH	CORNER POSTS FOR TYPE 1 RIGHT-OF-WAY FENCE		58	850	0811 0003 LF	TEMPORARY PROTECTIVE FENCE		59-60	1	0952 1031 EACH	NEMA TS-2; TYPE 1 CONTROLLER ASSEMBLY, TYPE 2 MOUNTING		TCP													
3721	0460 0003 SY	ASPHALT TACK COAT (NTT/CNTT)		45-52	34	0624 0600 EACH	LINE POSTS FOR TYPE 1 RIGHT-OF-WAY FENCE		58	2	0855 0003 EACH	PUMPED WATER FILTER BAG		59-60	1	0952 3002 EACH	CONTROLLER MODIFICATION		TCP													
3721	0491 0012 SY	MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR		45-52	1	0624 0610 EACH	PEDESTRIAN GATE FOR TYPE 1 RIGHT-OF-WAY FENCE, 4-FOOT OPENING		58	2	0855 0004 EACH	REPLACEMENT PUMPED WATER FILTER BAG		59-60																		
742	0601 0562 LF	24" THERMOPLASTIC PIPE, GROUP VII, 12'-2' FILL, SHORE/TRENCH BOX, 100 YEAR DESIGN LIFE		53-54	416	0630 0031 LF	PLAIN CEMENT CONCRETE CURB, 6" HEIGHT		55-57	19	0860 0002 EACH	INLET FILTER BAG FOR TYPE C INLET		59-60																		
EITHER 72	0601 7509 LF	18" REINFORCED CONCRETE PIPE, TYPE A, 7' - 3' FILL, SHORE/TRENCH BOX, 100 YEAR DESIGN LIFE	1	53-54	228	4630 0031 LF	PLAIN CEMENT CONCRETE CURB, CHEEK WALL		55-57	1719	0867 0018 LF	COMPOST FILTER SOCK, 18" DIAMETER		59-60																		

TCP-TRAFFIC CONTROL PLAN												REVISION NO	REVISIONS		DATE	BY	DISTRICT	COUNTY		ROUTE		SECTION		SHEET		
STR-STRUCTURE																	05	BERKS		183		05B		44 OF 63		
SPMP-SIGNING & PAVEMENT MARKING PLAN																	CITY OF READING									
◆ - SEE SPECIAL PROVISIONS																										
QUANTITY	ITEM NO	DESCRIPTION	DESIGN NO	FOR TAB SEE SHEET	QUANTITY	ITEM NO	DESCRIPTION	DESIGN NO	FOR TAB SEE SHEET	QUANTITY	ITEM NO	DESCRIPTION	DESIGN NO	FOR TAB SEE SHEET	QUANTITY	ITEM NO	DESCRIPTION	DESIGN NO	FOR TAB SEE SHEET							
	UNIT					UNIT					UNIT					UNIT										
11	0954 0012	2 INCH CONDUIT		TCP	144	0962 1004	24" WHITE WATERBORNE PAVEMENT MARKINGS		TCP	75000	9000 0003	REPAIR OF LOCAL ROADS		NO TAB	267	9000 0027	OVEREXCAVATION AND BACKFILLING UNDER FOUNDATION		STR							
	LF					DOLLA					CY															
167	0954 0013	3 INCH CONDUIT		TCP	3102	0962 1005	4" YELLOW WATERBORNE PAVEMENT MARKINGS		SPMP , TCP		9000 0004	VIDEO LOG OF LOCAL ROADS		NO TAB	5000	9000 0028	TRACK MONITORING PROGRAM		STR							
	LF					LS					DOLLA															
21	0954 0152	TRENCH AND BACKFILL, TYPE II		TCP	12	0962 1025	WHITE WATERBORNE PAVEMENT LEGEND, "ONLY", 8'-0"		TCP		9000 0005	INSTALLATION OF READING AREA WATER AUTHORITY WATER LINE FACILITIES		NO TAB		9000 0029	CONSTRUCTION VIBRATION MONITORING		STR							
	LF					LS					LS															
157	0954 0153	TRENCH AND BACKFILL, TYPE III		TCP	1	0962 1060	WHITE WATERBORNE PAVEMENT LEGEND, "STRAIGHT ARROW", 12'-0" X 1'-8"		TCP	14	9000 0006	REBUILD EXISTING SANITARY SEWER MANHOLE		45-52	4	9000 0030	DESIGN OF CONCRETE CURB RAMPS (BY QUADRANT)		NO TAB							
	LF					VF					EACH															
1738	0954 0202	SIGNAL CABLE, 14 AWG, 5 CONDUCTOR		TCP	3	0962 1061	WHITE WATERBORNE PAVEMENT LEGEND, "RIGHT ARROW", 12'-0" X 3'-0"		TCP	110	9000 0007	ROOF DRAIN OUTLET		45-52		9000 0031	SITE WORK PLAN		NO TAB							
	LF					LF					LS															
125	0954 0203	SIGNAL CABLE, 14 AWG, 7 CONDUCTOR		TCP	8	0962 1062	WHITE WATERBORNE PAVEMENT LEGEND, "LEFT ARROW", 12'-0" X 3'-0"		TCP	132	9000 0008	4" PVC PIPE		45-52		9000 0032	HEALTH AND SAFETY PLAN		NO TAB							
	LF					LF					LS															
4	0954 0302	JUNCTION BOX, JB-27		TCP	2	0962 1063	WHITE WATERBORNE PAVEMENT LEGEND, "THRU AND RIGHT ARROW", 20'-0" X 3'-7"		TCP	39	9000 0009	WINDOW WELL		45-52	30000	9000 0033	EXCAVATED MATERIAL HANDLING AND TESTING		NO TAB							
	EACH					LF					DOLLA															
1	0954 0402	ELECTRICAL SERVICE, TYPE B		TCP	248	0963 0001	PAVEMENT MARKING REMOVAL		TCP	9	9000 0010	CONCRETE STAIR		45-52	100000	9000 0034	DISPOSAL OF REGULATED WASTE		NO TAB							
	EACH					SF					DOLLA															
11	0955 3208	VEHICULAR SIGNAL HEAD, THREE 12" SECTIONS		TCP	3677	0963 0004	4" PAVEMENT MARKING REMOVAL		TCP	35	9000 0011	STAIR HANDRAIL		45-52	1974	9000 0035	READING AREA WATER AUTHORITY (RAWA) SERVICE ABANDONMENT FEE		NO TAB							
	EACH					LF					DOLLA															
1	0955 3210	VEHICULAR SIGNAL HEAD, FIVE 12" SECTIONS		TCP	260	0963 0006	6" PAVEMENT MARKING REMOVAL		TCP	14	9000 0012	PRE AND POST CONSTRUCTION SURVEY		STR	13	9000 0036	GRADE ADJUSTMENT OF EXISTING SANITARY SEWER CURB STOP		45-52							
	EACH					LF					EACH															
8	0955 3722	LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, TYPE A		TCP	18	0963 0010	PAVEMENT MARKING REMOVAL (LEGENDS AND SYMBOLS)		TCP	241	9000 0013	FENCE REMOVAL		58	2	9000 0037	RESET GATE		45-52							
	EACH					EACH					EACH															
1	0956 0711	VIDEO DETECTION SYSTEM		TCP	2	0971 0001	REMOVE POST MOUNTED SIGNS, TYPE B		SPMP	10	9000 0014	STAIR REMOVAL		45-52	1	9000 0038	RESET WOOD DOOR		45-52							
	EACH					EACH					EACH															
1	0958 0281	TEMPORARY TIMING ADJUSTMENTS TO EXISTING PERMANENT TRAFFIC SIGNAL CONTROLLER		TCP	2	0975 0001	REMOVE POST MOUNTED SIGNS, TYPE F		SPMP	5	9000 0015	FLOOR DRAIN		45-52		9000 0039	PARTIAL REMOVAL AND REPAIR OF BRICK WALL		45-52							
	EACH					EACH					LS															
1	0958 0282	TEMPORARY TIMING ADJUSTMENTS TO EXISTING PERMANENT TRAFFIC SIGNAL CONTROLLER		TCP		1018 0001	REMOVAL OF EXISTING BRIDGE		STR	4	9000 0016	24' CRASH GATE		59-60	1	9000 9350	POST MOUNTED DELINEATOR (YELLOW) SIGN, TYPE F, HIGH INTENSITY		SPMP							
	EACH					LS					EACH															
1	0958 0361	TEMPORARY MODIFICATIONS TO EXISTING PERMANENT TRAFFIC SIGNAL (4 OR MORE APPROACHES)		TCP	711	1019 0050	PROTECTIVE COATING FOR REINFORCED CONCRETE SURFACES (PENETRATING SEALERS, BRIDGE SUPERSTRUCTURE)		STR	1	9000 0017	BARRIER TRANSITION 1		45-52	3	9000 9351	POST MOUNTED DELINEATOR (RED) SIGN, TYPE F, HIGH INTENSITY		SPMP							
	EACH					SY					EACH															
1	0958 0362	TEMPORARY MODIFICATIONS TO EXISTING PERMANENT TRAFFIC SIGNAL (4 OR MORE APPROACHES)		TCP	500	1091 0335	EPOXY INJECTION CRACK SEAL		STR	1	9000 0018	BARRIER TRANSITION 2		45-52		9203 0101	TEMPORARY EXCAVATION SUPPORT AND PROTECTION SYSTEM		STR							
	EACH					DOLLA					LS															
1604	0960 0005	6" WHITE HOT THERMOPLASTIC PAVEMENT MARKINGS		SPMP , TCP		8020 0001	BRIDGE STRUCTURE, AS DESIGNED, S-36195	5	STR	1	9000 0019	BARRIER TRANSITION 3		45-52												
	LF					LS					EACH															
368	0960 0021	24" WHITE HOT THERMOPLASTIC PAVEMENT MARKINGS		SPMP , TCP	AND 290	1001 0980	MECHANICAL TEXTURING WITH LONGITUDINAL SAWED GROOVES	5	STR	1	9000 0020	BARRIER TRANSITION 4		45-52												
	LF					SY					EACH															
9	0960 0101	WHITE HOT THERMOPLASTIC LEGEND, "ONLY", 8' - 0"		TCP	AND 55861	1002 0001	REINFORCEMENT BARS	5	STR	1	9000 0021	PORCH REMOVAL 1		45-52												
	EACH					LB					EACH															
1	0960 0220	WHITE HOT THERMOPLASTIC LEGEND, "STRAIGHT ARROW", 12' - 0" X 1' - 8"		TCP	AND 49526	1002 0052	REINFORCEMENT BARS, EPOXY COATED	5	STR	1	9000 0022	PORCH REMOVAL 2		45-52												
	EACH					LB					EACH															
4	0960 0222	WHITE HOT THERMOPLASTIC LEGEND, "RIGHT ARROW", 12' - 0" X 3' - 0"		TCP		8000 0001	PRESTRESSED CONCRETE BRIDGE STRUCTURE	5	STR	1	9000 0023	PORCH REMOVAL 3		45-52												
	EACH					LS					EACH															
4	0960 0224	WHITE HOT THERMOPLASTIC LEGEND, "LEFT ARROW", 12' - 0" X 3' - 0"		TCP		8100 0001	STEEL BRIDGE STRUCTURE	5	STR	16	9000 0024	PLAIN CEMENT CONCRETE CURB CHEEK WALL 4" WIDTH		55-57												
	EACH					LS					LF															
1876	0962 1000	4" WHITE WATERBORNE PAVEMENT MARKINGS		SPMP , TCP	1	9000 0001	TEMPORARY TRAFFIC SIGNAL MAINTENANCE		TCP	24	9000 0025	STAIR WALL		55-57												
	LF					EACH					LF															
739	0962 1001	6" WHITE WATERBORNE PAVEMENT MARKINGS		SPMP , TCP	1	9000 0002	TEMPORARY TRAFFIC SIGNAL MAINTENANCE		TCP	3	9000 0026	STAIR WALL 5" WIDTH		55-57												
	LF					EACH					LF															

COMMONWEALTH OF PENNSYLVANIA

REGISTERED PROFESSIONAL

LISA ANN MARTIN

ENGINEER

PD05154

SHEET 2 OF 2

PROJECT ID: 4897

MPMS: 91091

ECMS: 91091

10/27/2022 6:28:11 AM

TABULATION OF QUANTITIES
ROADWAY

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				05	BERKS	183	05B	45 OF 63
				CITY OF READING				

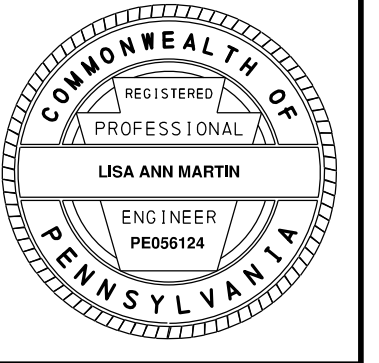
CLASS 1 EXCAVATION			REMARKS	SIDE	STATIONS
0203 0001	CY				
CLASS 1B EXCAVATION			REMARKS	SIDE	STATIONS
0203 0004	CY				
SAW CUTTING			REMARKS	SIDE	STATIONS
0203 0006	LF				
SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, 0.3 TO < 3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH			REMARKS	SIDE	STATIONS
0313 0422	SY				
SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, 0.3 TO < 3 MILLION ESALS, 25.0 MM MIX, 5 1/2" DEPTH			REMARKS	SIDE	STATIONS
0313 0425	SY				
SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, 0.3 TO < 3 MILLION ESALS, 25.0 MM MIX, 6" DEPTH			REMARKS	SIDE	STATIONS
0313 0426	SY				
SUBBASE 6" DEPTH (NO. 2A)			REMARKS	SIDE	STATIONS
0350 0106	SY				
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING MIX, 1 1/2" DEPTH, SRL-H			REMARKS	SIDE	STATIONS
0413 0245	SY				
SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64S-22, 0.3 TO < 3 MILLION ESALS, 19.0 MM MIX, 2 1/2" DEPTH			REMARKS	SIDE	STATIONS
0413 6045	SY				
ASPHALT TACK COAT (NTT/CNTT)			REMARKS	SIDE	STATIONS
0460 0003	SY				
MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR			REMARKS	SIDE	STATIONS
0491 0012	SY				
SINGLE FACE CONCRETE BARRIER, MODIFIED HEIGHT AND WIDTH			REMARKS	SIDE	STATIONS
4623 0052	LF				
TOPSOIL FURNISHED AND PLACED			REMARKS	SIDE	STATIONS
0802 0001	CY				
GREEN VASE ZELKOVA - (3" CAL. B&B)			REMARKS	SIDE	STATIONS
0808 3428	EACH				
SELECTIVE TREE REMOVAL			REMARKS	SIDE	STATIONS
0810 0052	EACH				
REBUILD EXISTING SANITARY SEWER MANHOLE			REMARKS	SIDE	STATIONS
9000 0005	VF				
ROOF DRAIN OUTLET			REMARKS	SIDE	STATIONS
9000 0007	LF				
4" PVC PIPE			REMARKS	SIDE	STATIONS
9000 0008	LF				
WINDOW WELL			REMARKS	SIDE	STATIONS
9000 0009	LF				
CONCRETE STAIR			REMARKS	SIDE	STATIONS
9000 0010	CY				
STAIR HANDRAIL			REMARKS	SIDE	STATIONS
9000 0011	LF				
STAIR REMOVAL			REMARKS	SIDE	STATIONS
9000 0014	EACH				
FLOOR DRAIN			REMARKS	SIDE	STATIONS
9000 0015	EACH				
BARRIER TRANSITION 1			REMARKS	SIDE	STATIONS
9000 0017	EACH				
BARRIER TRANSITION 2			REMARKS	SIDE	STATIONS
9000 0018	EACH				
BARRIER TRANSITION 3			REMARKS	SIDE	STATIONS
9000 0019	EACH				
BARRIER TRANSITION 4			REMARKS	SIDE	STATIONS
9000 0020	EACH				
ITEM NUMBER	UNIT		REMARKS	SIDE	STATIONS
			SR 183 / SCHUYLKILL AVE.		
	2		FULL DEPTH RECONSTRUCTION	RT	2+26.24 to 2+51.56
				RT	2+30.00
		147	MILLING AND OVERLAY	LT / RT	2+95.00 to 3+40.00
260				LT / RT	2+95.00 to 7+15.00
		490	FULL DEPTH RECONSTRUCTION	LT / RT	3+40.00 to 4+91.23
				LT	3+42.00
			FLOOR DRAIN AT STA 3+45.50	RT	3+42.00 to 3+45.50
			FLOOR DRAIN AT STA 3+50.50	LT	3+42.20 to 3+50.50
			FLOOR DRAIN AT STA 3+75.50	RT	3+43.80 to 3+75.50
				RT	3+46.00
	27		SAWCUT SIDEWALK AROUND EXISTING PORCH AND STEPS	RT	3+46.00 to 3+65.00
			FLOOR DRAIN AT STA 3+77.00	LT	3+46.90 to 3+77.00
			ROOF DRAIN	RT	3+47.00 to 3+48.00
			ROOF DRAIN	LT	3+48.70 to 3+52.90
			ROOF DRAIN	RT	3+49.90
				LT	3+50.00
			ROOF DRAIN	LT	3+51.90
				LT	3+58.60 to 3+62.60
				RT	3+59.99
				LT	3+60.55
				RT	3+61.43
			BARRIER TRANSITION 1	LT	3+63.00 to 3+83.00
				LT	3+63.28
				LT	3+65.30 to 3+69.00
				LT	3+65.66
				LT	3+67.17
		4		RT	3+70.14 to 3+73.55



TABULATION OF QUANTITIES

ROADWAY

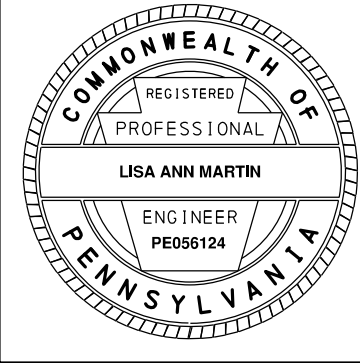
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				05	BERKS	183	05B	46 OF 63
				CITY OF READING				

[illegible]

TABULATION OF QUANTITIES
ROADWAY

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				05	BERKS	183	05B	47 OF 63
				CITY OF READING				

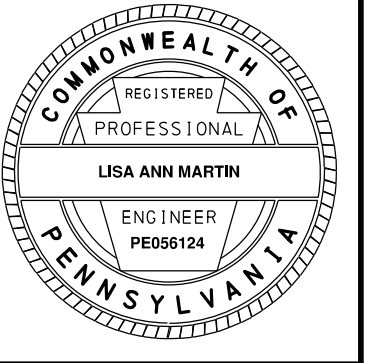
CLASS 1 EXCAVATION			REMARKS	SIDE	STATIONS
0203 0001	CY				
0203 0004	CY				
0203 0006	LF				
CLASS 1B EXCAVATION			REMARKS	SIDE	STATIONS
0203 0004	CY				
0203 0006	LF				
0203 0006	LF				
SAW CUTTING			REMARKS	SIDE	STATIONS
0203 0006	LF				
0203 0006	LF				
0203 0006	LF				
SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, 0.3 TO < 3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH			REMARKS	SIDE	STATIONS
0313 0422	SY				
0313 0425	SY				
0313 0425	SY				
SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, 0.3 TO < 3 MILLION ESALS, 25.0 MM MIX, 5 1/2" DEPTH			REMARKS	SIDE	STATIONS
0313 0426	SY				
0313 0426	SY				
0313 0426	SY				
SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, 0.3 TO < 3 MILLION ESALS, 25.0 MM MIX, 6" DEPTH			REMARKS	SIDE	STATIONS
0350 0106	SY				
0350 0106	SY				
0350 0106	SY				
SUBBASE 6" DEPTH (NO. 2A)			REMARKS	SIDE	STATIONS
0413 0245	SY				
0413 0245	SY				
0413 0245	SY				
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING MIX, 1 1/2" DEPTH, SRL-H			REMARKS	SIDE	STATIONS
0413 6045	SY				
0413 6045	SY				
0413 6045	SY				
SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE, PG 64S-22, 0.3 TO < 3 MILLION ESALS, 19.0 MM MIX, 2 1/2" DEPTH			REMARKS	SIDE	STATIONS
0460 0003	SY				
0460 0003	SY				
0460 0003	SY				
ASPHALT TACK COAT (NTT/CNTT)			REMARKS	SIDE	STATIONS
0491 0012	SY				
0491 0012	SY				
0491 0012	SY				
MILLING OF ASPHALT PAVEMENT SURFACE, 1 1/2" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR			REMARKS	SIDE	STATIONS
4623 0052	LF				
4623 0052	LF				
4623 0052	LF				
SINGLE FACE CONCRETE BARRIER, MODIFIED HEIGHT AND WIDTH			REMARKS	SIDE	STATIONS
0802 0001	CY				
0802 0001	CY				
0802 0001	CY				
TOPSOIL FURNISHED AND PLACED			REMARKS	SIDE	STATIONS
0808 3428	EACH				
0808 3428	EACH				
0808 3428	EACH				
GREEN VASE ZELKOVA - (3" CAL. B&B)			REMARKS	SIDE	STATIONS
0810 0052	EACH				
0810 0052	EACH				
0810 0052	EACH				
SELECTIVE TREE REMOVAL			REMARKS	SIDE	STATIONS
9000 0005	VF				
9000 0005	VF				
9000 0005	VF				
REBUILD EXISTING SANITARY SEWER MANHOLE			REMARKS	SIDE	STATIONS
9000 0007	LF				
9000 0007	LF				
9000 0007	LF				
ROOF DRAIN OUTLET			REMARKS	SIDE	STATIONS
9000 0007	LF				
9000 0007	LF				
9000 0007	LF				
4" PVC PIPE			REMARKS	SIDE	STATIONS
9000 0008	LF				
9000 0008	LF				
9000 0008	LF				
WINDOW WELL			REMARKS	SIDE	STATIONS
9000 0009	LF				
9000 0009	LF				
9000 0009	LF				
CONCRETE STAIR			REMARKS	SIDE	STATIONS
9000 0010	CY				
9000 0010	CY				
9000 0010	CY				
STAIR HANDRAIL			REMARKS	SIDE	STATIONS
9000 0011	LF				
9000 0011	LF				
9000 0011	LF				
STAIR REMOVAL			REMARKS	SIDE	STATIONS
9000 0014	EACH				
9000 0014	EACH				
9000 0014	EACH				
FLOOR DRAIN			REMARKS	SIDE	STATIONS
9000 0015	EACH				
9000 0015	EACH				
9000 0015	EACH				
BARRIER TRANSITION 1			REMARKS	SIDE	STATIONS
9000 0017	EACH				
9000 0017	EACH				
9000 0017	EACH				
BARRIER TRANSITION 2			REMARKS	SIDE	STATIONS
9000 0018	EACH				
9000 0018	EACH				
9000 0018	EACH				
BARRIER TRANSITION 3			REMARKS	SIDE	STATIONS
9000 0019	EACH				
9000 0019	EACH				
9000 0019	EACH				
BARRIER TRANSITION 4			REMARKS	SIDE	STATIONS
9000 0020	EACH				
9000 0020	EACH				
9000 0020	EACH				
ITEM NUMBER	UNIT		REMARKS	SIDE	STATIONS
ITEM NUMBER	UNIT				
ITEM NUMBER	UNIT				
ITEM NUMBER	UNIT				



TABULATION OF QUANTITIES

ROADWAY

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				05	BERKS	183	05B	48 OF 63
				CITY OF READING				

[illegible]

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				05	BERKS	183	05B	49 OF 63
				CITY OF READING				

SHEET 3A OF 4B

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				05	BERKS	183	05B	50 OF 63
				CITY OF READING				

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				05	BERKS	183	05B	50 OF 63
				CITY OF READING				

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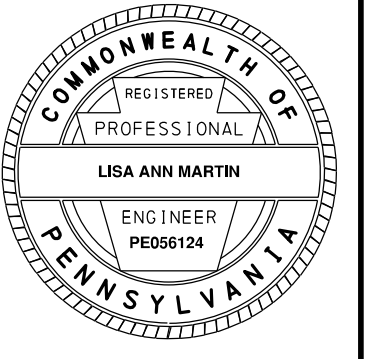
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				05	BERKS	183	05B	51 OF 63
				CITY OF READING				

SHEET 4A OF 4B

TABULATION OF QUANTITIES

ROADWAY

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				05	BERKS	183	05B	52 OF 63
				CITY OF READING				

[illegible]

TABULATION OF QUANTITIES DRAINAGE/PAVEMENT BASE DRAIN	REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
					05	BERKS	183	05B	53 OF 63
					CITY OF READING				

[illegible]

TABULATION OF QUANTITIES

DRAINAGE/PAVEMENT BASE DRAIN

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				05	BERKS	183	05B	54 OF 63
				CITY OF READING				

(+) SEE SUMMARY SHEET FOR COMPLETE ITEM NUMBERS

[illegible]

TABULATION OF QUANTITIES CURB/ADA RAMPS/SIDEWALK/DRIVEWAYS

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				05	BERKS	183	05B	55 OF 63
				CITY OF READING				

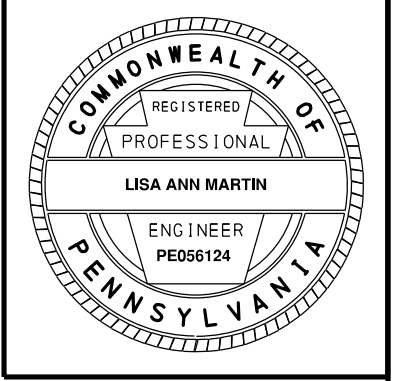
(+) SEE SUMMARY SHEET FOR COMPLETE ITEM NUMBERS

[illegible]

TABULATION OF QUANTITIES CURB/ADA RAMPS/SIDEWALK/DRIVEWAYS	REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
					05	BERKS	183	05B	56 OF 63
					CITY OF READING				

[illegible]

TABULATION OF QUANTITIES CURB/ADA RAMPS/SIDEWALK/DRIVEWAYS (SEE QUANTITY SHEET FOR COMPLETE ITEM NUMBERS)	REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
					05	BERKS	183	05B	57 OF 63
					CITY OF READING				

[illegible]

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				05	BERKS	183	05B	58 OF 63
				CITY OF READING				

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				05	BERKS	183	05B	58 OF 63
				CITY OF READING				

[illegible]

TABULATION OF QUANTITIES

EROSION AND SEDIMENT POLLUTION CONTROL

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				05	BERKS	183	05B	59 OF 63
				CITY OF READING				

[illegible]

TABULATION OF QUANTITIES

EROSION AND SEDIMENT POLLUTION CONTROL

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				05	BERKS	183	05B	60 OF 63
				CITY OF READING				

[illegible]

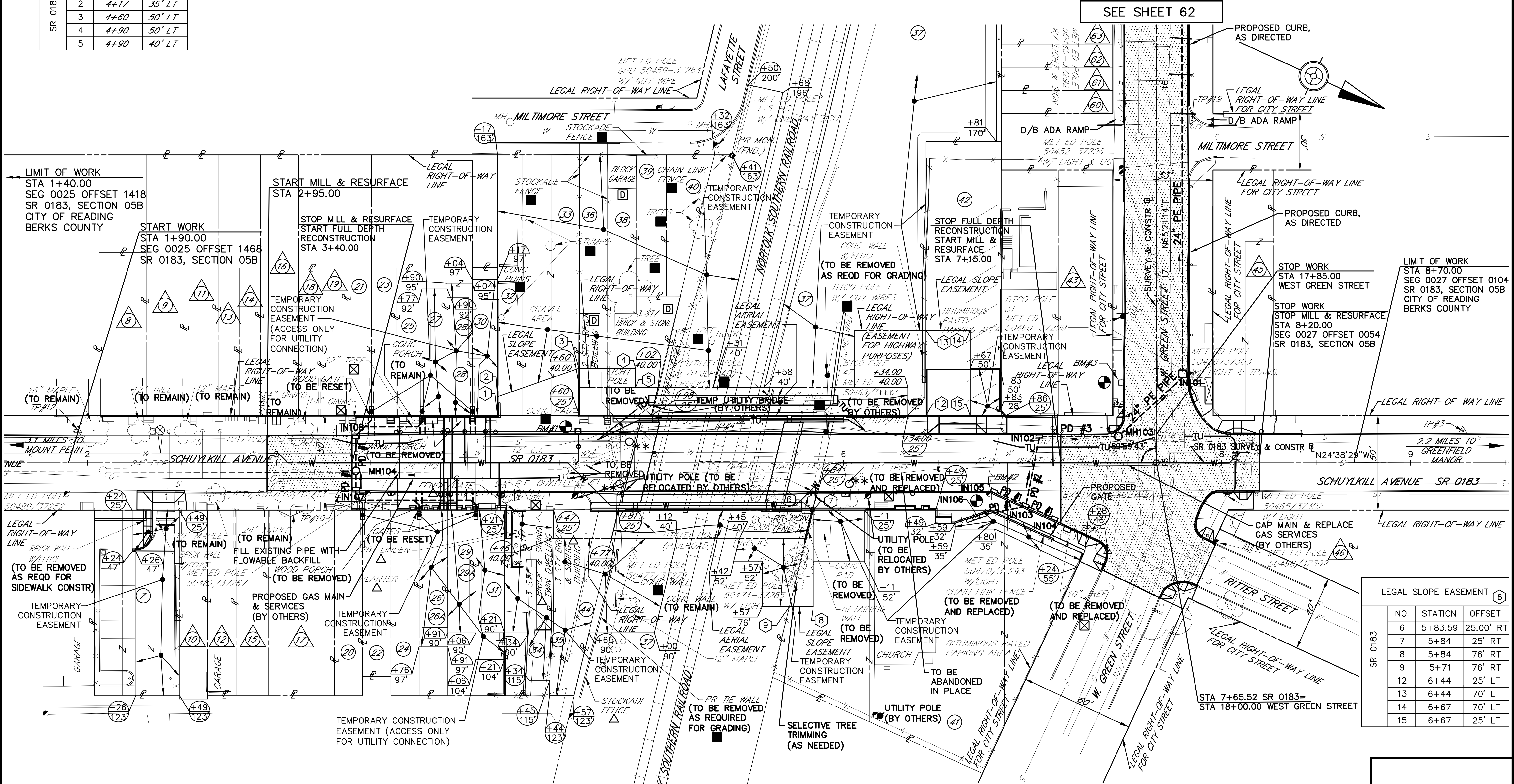
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	61 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS	DATE	BY	

LEGAL SLOPE EASEMENT			
NO.	STATION	OFFSET	
1	4+17	25' LT	
2	4+17	35' LT	
3	4+60	50' LT	
4	4+90	50' LT	
5	4+90	40' LT	

BM#1 = ELEV 290.42
16.7' LT STA 4+60
TOP OF FIRE HYDRANT

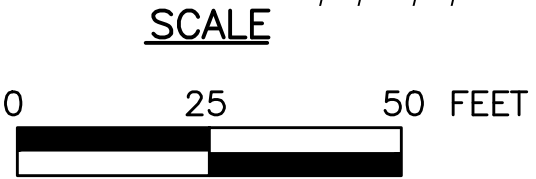
BM#2 = ELEV 291.59
16.0' RT STA 6+77
MAG NAIL SET IN SOUTHWESTERLY BASE OF
MET ED POLE 59470/37293

BM#3 = ELEV 293.55
18.5' RT STA 17+58
TOP OF FIRE HYDRANT



PROPOSED STRUCTURE DATA		
STA. 5+38.14	S-36195	
SINGLE SPAN COMPOSITE CONCRETE		
ADJACENT BOX BEAM BRIDGE		
SKIEW = 76°-37'-28"		
LENGTH = 66'-0" TOTAL LENGTH		
CLEARANCE = 23'-0" OVER RAILROAD		
WIDTH = 30'-0" CURB TO CURB		
49'-7" OUT TO OUT		

EXISTING STRUCTURE DATA		
STA. 5+38		
J-SPAN ENCASED STEEL GIRDER BRIDGE		
SKIEW = 75°-00'-00"		
LENGTH = 78' TOTAL LENGTH		
CLEARANCE = 18'-7" OVER RAILROAD		
WIDTH = 30'-0" CURB TO CURB		
53'-6" OUT TO OUT		



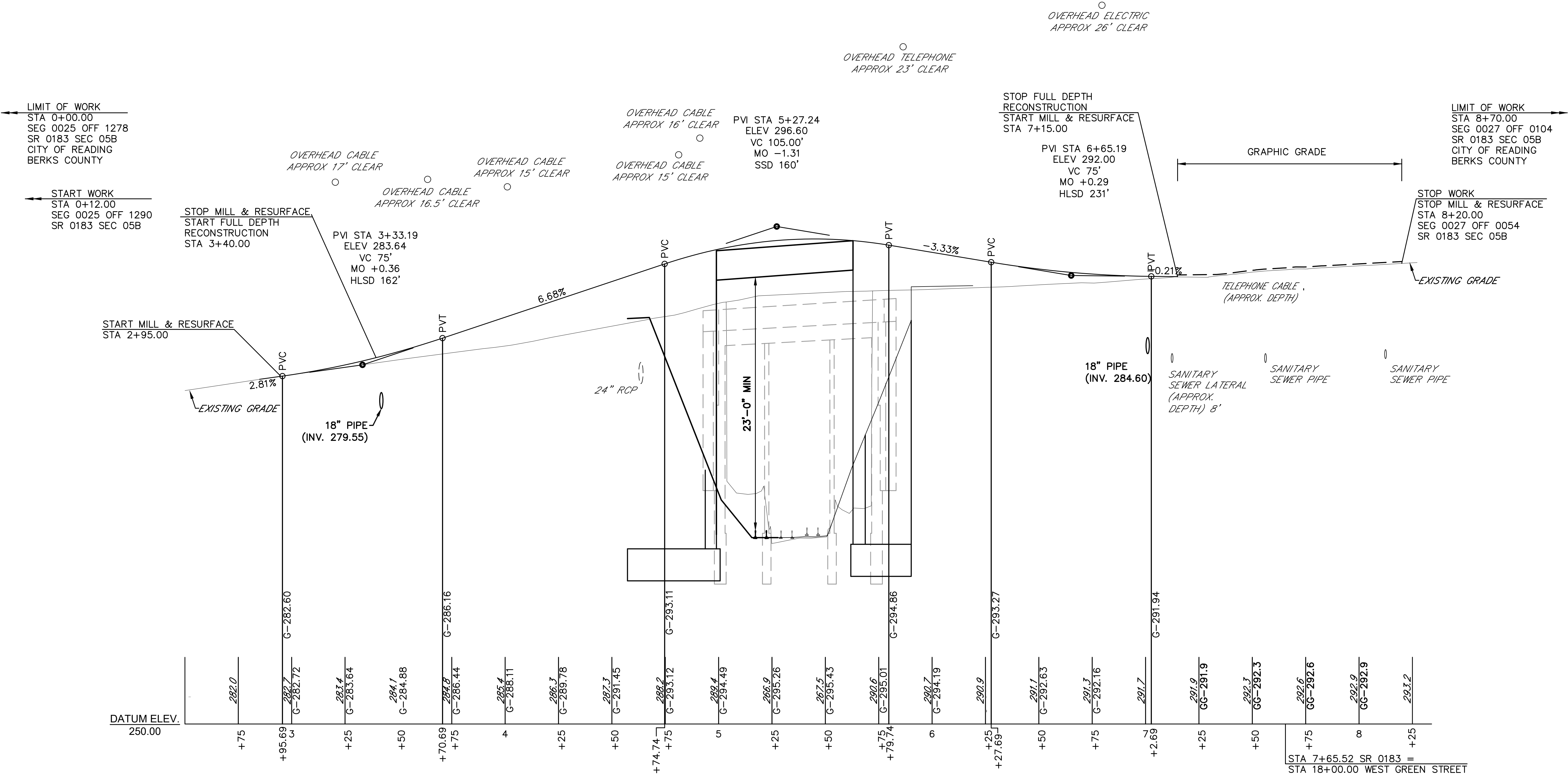
- LEGEND**
- MILL AND OVERLAY
 - SELECTIVE TREE REMOVAL
 - TO BE REMOVED (INCIDENTAL TO ITEM 0201-0001)
 - TO BE REMOVED BY ECMS 118544
 - ** DENOTES SANITARY MANHOLE RISER (RISER PROVIDED BY CITY)

NOTES:
FOR STATION/OFFSETS ASSOCIATED WITH
PEDESTRIAN ALLEY TEMPORARY CONSTRUCTION
EASEMENTS, SEE DETAIL SHEET 42.



W:\01\0194\0194-04_SR_0183\DWGS\CD\2012\Const\DWG\01194-04_SR0183-05B-C12-PRE-NSI.dwg -- Plotted:10/19/2022 3:51 PM -- By:JCAMPBELL -- Device: AUTOCAD PDF (GENERAL DOCUMENTATION).PC3 -- Plot Style:MSA FULL B+W.CTB

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	BERKS	0183	05B	63 OF 63
CITY OF READING				
REVISION NUMBER	REVISIONS		DATE	BY



SR 0183

PROFILE SCALE

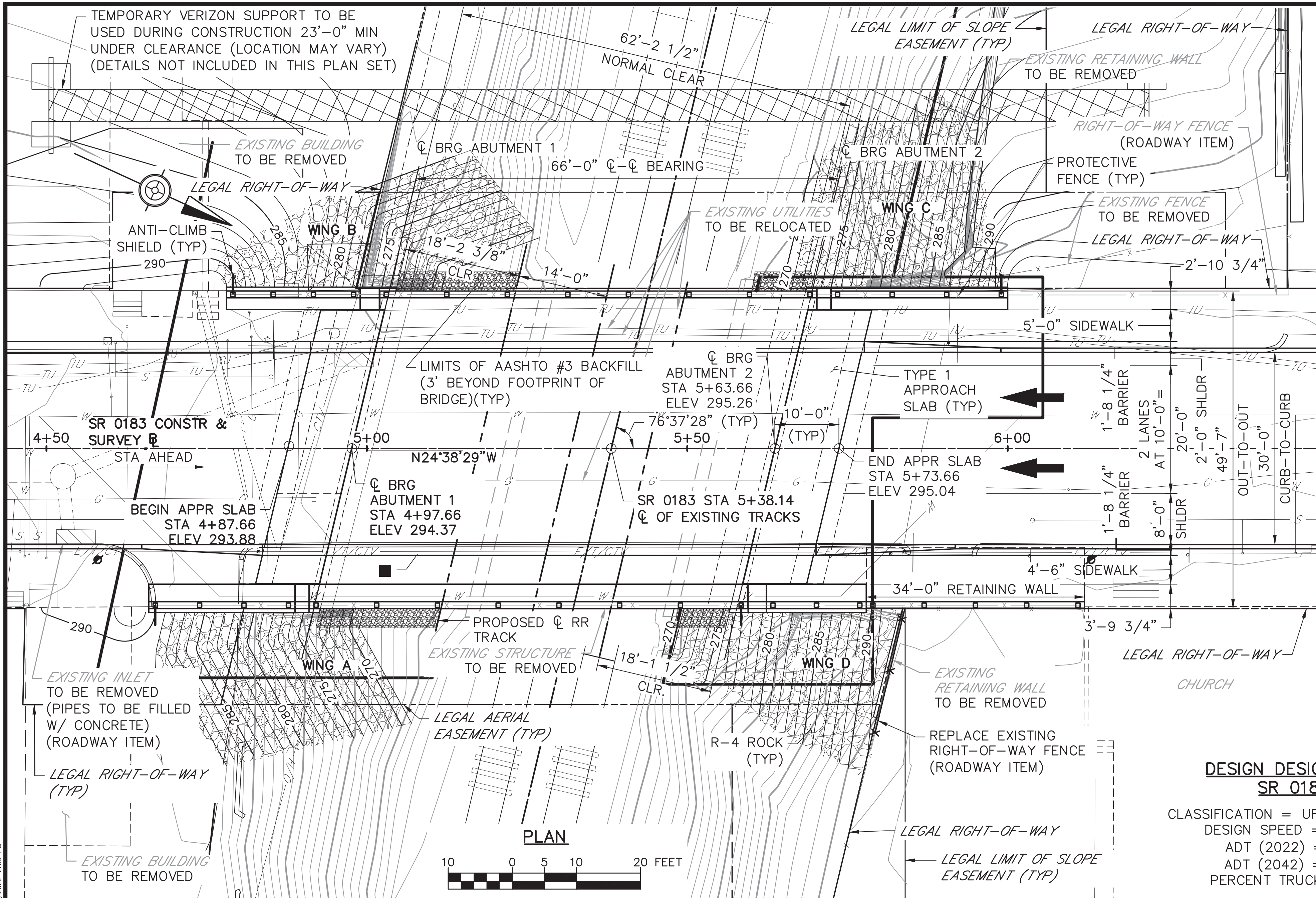


FOR PLAN SEE SHEET 61

SURVEY BOOK NO. 24210



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LEGEND:

- 280 - EXISTING MINOR CONTOURS
- 280 - EXISTING MAJOR CONTOURS
- 280 - PROPOSED MINOR CONTOURS
- 280 - PROPOSED MAJOR CONTOURS
- * MEASURED NORMAL TO RAILROAD TRACKS
- 18'-1 1/2" MINIMUM PROPOSED HORIZONTAL CLEARANCE
- 18'-0" REQUIRED HORIZONTAL CLEARANCE
- 7'-9" MINIMUM EXISTING HORIZONTAL CLEARANCE
- 13'-0" MINIMUM TEMPORARY HORIZONTAL CLEARANCE
- BOTTOM OF FOOTING ELEVATION
- TEMPORARY EXCAVATION SUPPORT AND PROTECTION SYSTEM
- 23'-1 3/8" MINIMUM PROPOSED VERTICAL CLEARANCE,
- 23'-0" REQUIRED VERTICAL CLEARANCE,
- 18'-9" MINIMUM EXISTING VERTICAL CLEARANCE
- 22'-0" MINIMUM TEMPORARY VERTICAL CLEARANCE
- PROPOSED RIGHT-OF-WAY-FENCE
- DIRECTION OF TRAFFIC

VERTICAL CURVE DATA SR 0183

PVI STA = 05+27.24
PVI ELEV = 296.60
VC = 105.00'
MO = -1.31
SSD = 160.0'

+6.68% -3.33%

HORIZONTAL CURVE DATA SR 0183

ON TANGENT

DESIGN REVIEWED BY:
PENNONI ASSOCIATES INC.
672 SOUTH RIVER ROAD, SUITE 313
PLAINS, PA 18705

REVIEW CONSULTANT'S NAME SIGNATURE

DATE

THE DESIGN REVIEW IS FOR GENERAL CONFORMANCE WITH THE DEPARTMENT'S DESIGN AND CONSTRUCTION CRITERIA AND STANDARDS AND IS NOT INTENDED TO RELIEVE THE DESIGNER OF FULL RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS OF THE PLANS.

CLASSIFICATION OF EARTHWORK FOR STRUCTURES	RC-11M	6/1/10
BACKFILL AT STRUCTURES	RC-12M	2/8/19
PROTECTIVE FENCE	BC-701M	2/19/21
ANCHOR SYSTEMS	BC-734M	2/19/21
WALL CONSTRUCTION AND EXPANSION JOINT DETAILS	BC-735M	9/30/16
REINFORCEMENT BAR FABRICATION DETAILS	BC-736M	1/31/19
BRIDGE DRAINAGE	BC-751M	1/31/19
CONCRETE DECK SLAB DETAILS	BC-752M	2/19/21
BEARINGS	BC-755M	1/31/19
PREFORMED NEOPRENE COMPRESSION SEAL JOINT FOR APPROACH SLABS	BC-766M	1/31/19
MISCELLANEOUS PRESTRESS DETAILS	BC-775M	9/30/16
TYPICAL WATERPROOFING & EXPANSION DETAILS	BC-788M	1/31/19

DESCRIPTION	DWG NO	APP DATE
-------------	--------	----------

SUPPLEMENTAL DRAWINGS

Mark	Description	By	Chk'd	Rec'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
GENERAL PLAN & ELEVATION

RECOMMENDED 10 / 27 / 2022

Andrew Trelen
DISTRICT 5-BRIDGE ENGINEER

SHEET 1 OF 54
+ SUPPLEMENTAL
DRAWINGS

S-36195

DESIGN DESIGNATION SR 0183

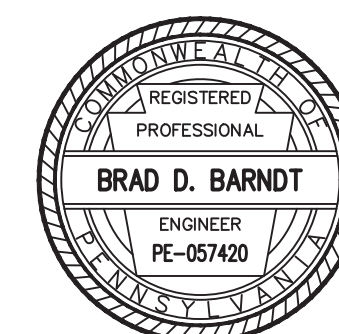
CLASSIFICATION = URBAN ARTERIAL
DESIGN SPEED = 25 MPH
ADT (2022) = 6119
ADT (2042) = 6318
PERCENT TRUCKS = 3%

EXISTING STRUCTURE DATA

- 3 SPAN CONCRETE ENCASED STEEL I-BEAM WITH REINFORCED CONCRETE JACK ARCHES
- ROADWAY: 30'-0" CURB-TO-CURB
- SKEW: 75°
- LENGTH 78.0'
- OUT-TO-OUT 53'-6"
- BRIDGE KEY: 4741

NOTES:

- FOR TYPICAL SECTION & INDEX, SEE SHEET 2.
- FOR GENERAL NOTES, SEE SHEET 3.



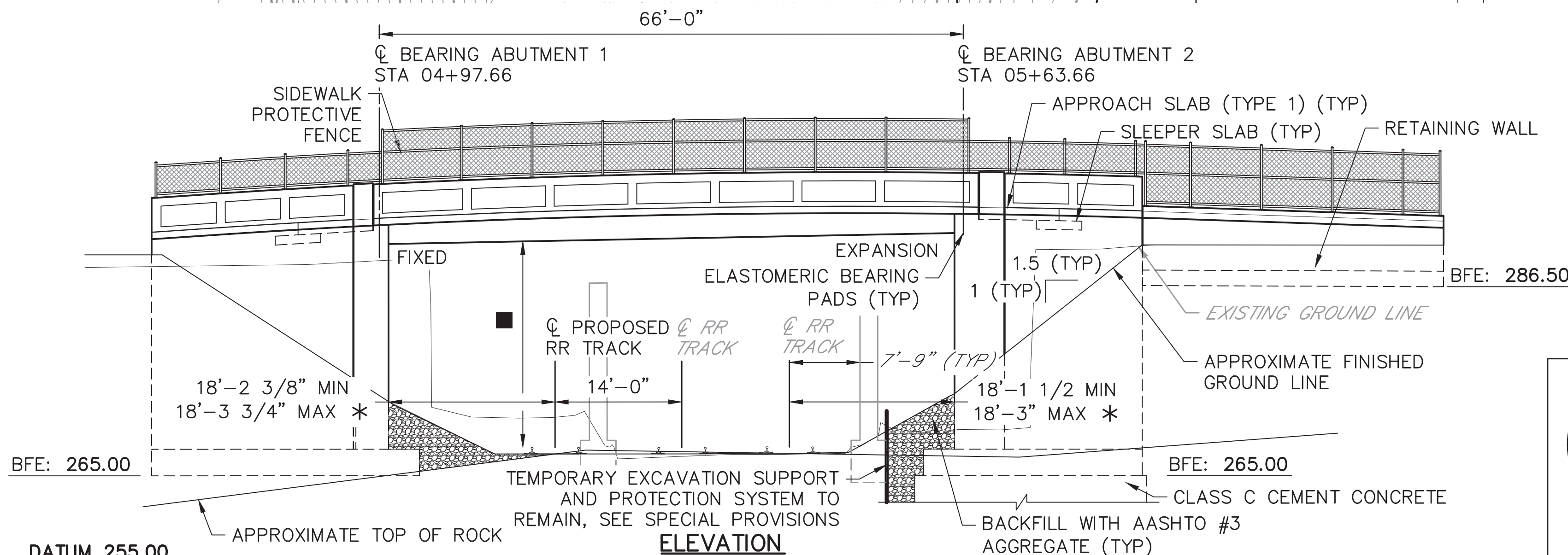
McTISH, KUNKEL & ASSOCIATES

3500 Winchester Road
Suite 300
Allentown, PA 18104
phone:610-841-2700
fax:610-841-2709

Brad D. Barndt

Digitally signed by Brad D. Barndt
Date: 2022.10.26 12:52:02 -04'00'

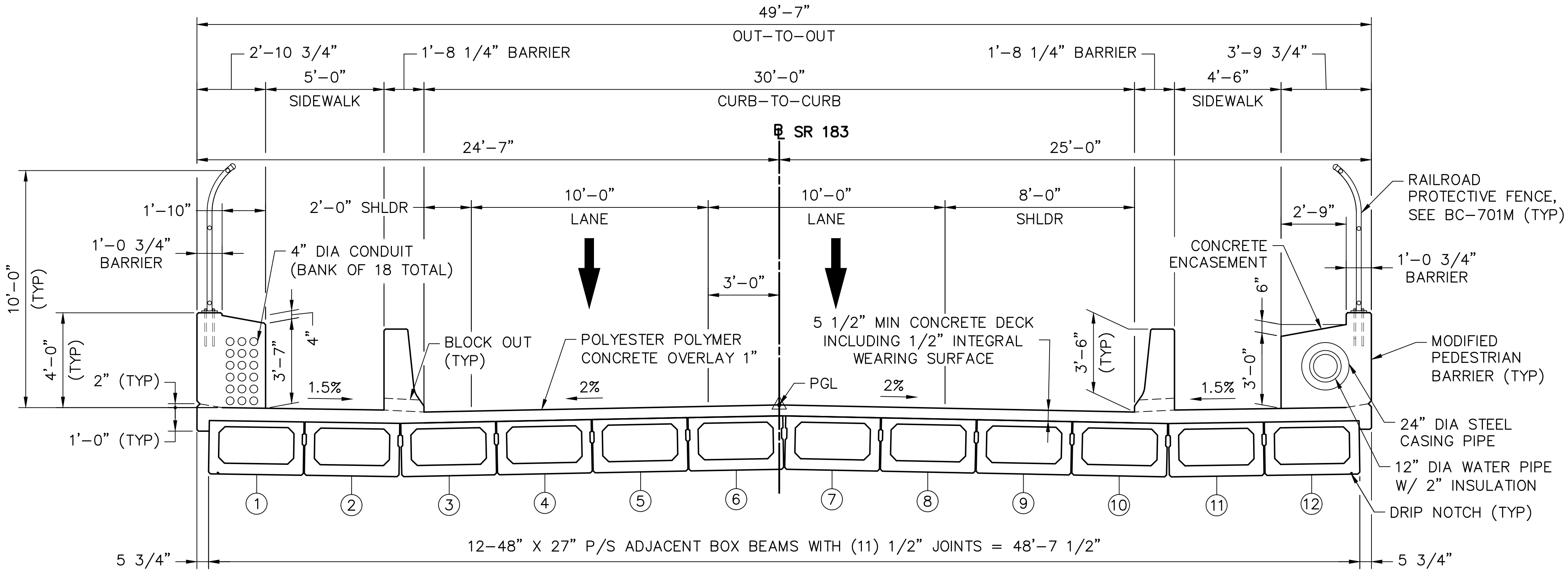
BRAD D. BARNDT P.E. NO 057420



DATUM 255.00

DES: TML	CHK'D: BDB
DWG: JTP	CHK'D: BDB

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PROPOSED BRIDGE SECTION



BRIDGE LOAD RATINGS WITH FUTURE WEARING SURFACE

ADTT (2042): 190

BRIDGE LOAD RATINGS WITHOUT FUTURE WEARING SURFACE

ADTT (2042): 190

SPAN NO 1		48" x 27" P/S ADJACENT BOX BEAMS						
		H20	HS 20	ML-80	TK527	PHL-93	P-82	P2016-13
INVENTORY RATING (IR)	DISTRIBUTION FACTOR	0.336	0.336	0.336	0.336	0.336	—	—
	LOCATION (FT)	0.5 L	0.5 L	0.5 L	0.5 L	0.5 L	—	—
	LIMIT STATE	SERV-IIIIP	SERV-IIIIP	SERV-IIIIP	SERV-IIIIP	SERV-IIIIP	—	—
	RATING FACTOR	1.83 M	1.30 M	1.11 M	1.15 M	1.20 M	—	—
	RESISTANCE	0.268 KSI	0.268 KSI	0.268 KSI	0.268 KSI	0.268 KSI	—	—
	SPAN#/BEAM#	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	—	—
OPERATING RATING (OR)	DISTRIBUTION FACTOR	0.589	0.589	0.589	0.589	0.589	0.589	0.589
	LOCATION (FT)	0.11 L	0.11 L	0.21 L	0.11 L	0.11 L	0.11 L	0.11 L
	LIMIT STATE	STR-II	STR-II	STR-II	STR-II	STR-IA	STR-II	STR-II
	RATING FACTOR	3.13 V	2.30 V	2.06 V	2.04 V	1.86 V	1.24 V	1.20 V
	RESISTANCE	212.5 KIP	212.5 KIP	177.6 KIP	212.5 KIP	212.5 KIP	212.5 KIP	212.5 KIP
	SPAN#/BEAM#	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1

CRITICAL MEMBER : EXTERIOR BEAM 1
MAXIMUM FACTORED FLEXURAL RESISTANCE: 3026 (K-ft)
LOCATION : 19.80 FT
MAXIMUM FACTORED SHEAR RESISTANCE (KIPS): 241 k
LOCATION : 59.40 FT

NOTES:

- "M", "V", AND "SM" DENOTE THAT MOMENT, SHEAR, AND SHEAR/MOMENT INTERACTION CONTROL THE RATING FACTOR, RESPECTIVELY.
- GIVEN DISTRIBUTION FACTOR IS THE VEHICULAR LOAD DISTRIBUTION FACTOR USED TO PRODUCE THE GIVEN RATING.
- LRFD METHOD USED FOR RATINGS.

SPAN NO 1		48" x 27" P/S ADJACENT BOX BEAMS						
		H20	HS 20	ML-80	TK527	PHL-93	P-82	P2016-13
INVENTORY RATING (IR)	DISTRIBUTION FACTOR	0.336	0.336	0.336	0.336	0.336	—	—
	LOCATION (FT)	0.5 L	0.5 L	0.5 L	0.5	0.5 L	—	—
	LIMIT STATE	SERV-IIIIP	SERV-IIIIP	SERV-IIIIP	SERV-IIIIP	SERV-IIIIP	—	—
	RATING FACTOR	2.04 M	1.45 M	1.23 M	1.28 M	1.34 M	—	—
	RESISTANCE	0.268 KSI	0.268 KSI	0.268 KSI	0.268 KSI	0.268 KSI	—	—
	SPAN#/BEAM#	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	—	—
OPERATING RATING (OR)	DISTRIBUTION FACTOR	0.589	0.589	0.589	0.589	0.589	0.589	0.589
	LOCATION (FT)	0.11 L	0.21 L	0.21 L	0.11 L	0.21 L	0.11 L	0.11 L
	LIMIT STATE	STR-II	STR-II	STR-II	STR-II	STR-IA	STR-II	STR-II
	RATING FACTOR	3.23 V	2.37 V	2.12 V	2.10 V	1.92 V	1.29 V	1.24 V
	RESISTANCE	216.1 KIP	179.8 KIP	179.8 KIP	216.1 KIP	179.8 KIP	216.1 KIP	216.1 KIP
	SPAN#/BEAM#	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1

CRITICAL MEMBER : EXTERIOR BEAM 1
MAXIMUM FACTORED FLEXURAL RESISTANCE: 3026 (K-FT)
LOCATION : 19.80 FT
MAXIMUM FACTORED SHEAR RESISTANCE (KIPS): 244 K
LOCATION : 59.40 FT

LEGEND:

- (X) DESIGNATES BEAM NUMBER

NOTES:

1. FOR METAL CURB DRAIN DETAILS, SEE BC-751M.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					



DRAWING INDEX	
SHEET	TITLE
1	GENERAL PLAN & ELEVATION
2	TYPICAL SECTION, RATINGS & DRAWING INDEX
3	GENERAL NOTES
4	QUANTITIES
5	STAKE-OUT PLAN
6	EXCAVATION DETAILS
7	ABUTMENT 1 PLAN
8	ABUTMENT 1 FOOTING PLAN
9	ABUTMENT 1 ELEVATION
10	ABUTMENT 1 TYPICAL SECTION & DOWEL DETAIL
11	ABUTMENT 1 SECTIONS
12	WING A ELEVATION & SECTION
13	WING B ELEVATION & SECTION
14	ABUTMENT 1 BAR SCHEDULE - 1
15	ABUTMENT 1 BAR SCHEDULE - 2
16	ABUTMENT 2 PLAN
17	ABUTMENT 2 FOOTING PLAN
18	ABUTMENT 2 ELEVATION
19	ABUTMENT 2 TYPICAL SECTION
20	ABUTMENT 2 SECTIONS
21	WING C ELEVATIONS & SECTIONS
22	WING D ELEVATIONS & SECTIONS
23	ABUTMENT 2 BAR SCHEDULE - 1
24	ABUTMENT 2 BAR SCHEDULE - 2
25	FRAMING PLAN
26	BEAM DETAILS 1
27	BEAM DETAILS 2
28	BEAM DETAILS 3
29	BEAM DETAILS 4
30	SLAB PLAN
31	TYPICAL SECTION & BARRIER DETAILS
32	ARCHITECTURAL BARRIER DETAILS
33	FENCE PLAN
34	DECK ELEVATIONS @ BREAK-IN-SLOPE
35	DECK ELEVATIONS OVER CENTERLINE OF BEAMS
36	SUPERSTRUCTURE BAR SCHEDULE
37	APPROACH SLAB 1 PLAN
38	APPROACH SLAB 1 SECTION AND DETAILS-1
39	APPROACH SLAB 1 SECTION AND DETAILS-2
40	APPROACH SLAB 1 BAR SCHEDULE
41	APPROACH SLAB 2 PLAN
42	APPROACH SLAB 2 SECTION AND DETAILS
43	APPROACH SLAB 2 BAR SCHEDULE
44	RETAINING WALL
45	RETAINING WALL BAR SCHEDULE
46	VERIZON TEMPORARY UTILITY SUPPORT
47	VERIZON UTILITIES ELEVATION & DETAILS
48	RAWA UTILITIES ELEVATION & DETAILS
49	TEST BORINGS-1
50	TEST BORINGS-2
51	TEST BORINGS-3
52	TEST BORINGS-4
53	TEST BORINGS-5
54	TEST BORINGS-6

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID: 06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
TYPICAL SECTION, RATINGS & DRAWING INDEX

RECOMMENDED 10 / 27 / 2022

SHEET 2 OF 54

S-36195

DES: TML	CHK'D: BDB
DWG: JTP	CHK'D: BDB

DESIGN SPECIFICATIONS

1. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION (2017) AND AS SUPPLEMENTED BY DESIGN MANUAL, PART 4, DECEMBER 2019.
2. LIVE LOAD DISTRIBUTION TO GIRDERS IS BASED UPON DM4 DISTRIBUTION FACTOR METHOD.
3. DESIGN IS IN ACCORDANCE WITH THE LRFD METHOD.

DESIGN LIVE LOADS

1. PHL-93, P-82, AND P2016-13.
2. FATIGUE DESIGN IS BASED ON THE FOLLOWING:
ADTT 190 (2042)
3. MAXIMUM ALLOWABLE TENSILE STRESS IN PRECOMPRESSED TENSILE ZONE:
0.0948 X SQUARE ROOT OF f'c

DEAD LOADS

1. INCLUDES SURFACE AREA DENSITY OF 0.030 ksf FOR FUTURE WEARING SURFACE ON THE DECK SLAB.
2. INCLUDES SURFACE AREA DENSITY OF 0.013 KSF FOR POLYESTER POLYMER CONCRETE OVERLAY ON THE DECK SLAB.
3. INCLUDES 0.022 KIP/FT FOR PROTECTIVE FENCE.
4. INCLUDES 1.670 KIP/FT FOR THE LEFT UTILITY AND UTILITY ENCASEMENT.
5. INCLUDES 1.717 KIP/FT FOR THE RIGHT UTILITY AND UTILITY ENCASEMENT.

GENERAL

1. PROVIDE MATERIALS AND PERFORM WORK IN ACCORDANCE WITH PENNSYLVANIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, PUBLICATION 408 (2020), AASHTO/AWS D1.5M/D1.5:2015 BRIDGE WELDING CODE (2015) AND CONTRACT SPECIAL PROVISIONS. USE AASHTO/AWS D1.1/D1.1M:2015 FOR WELDING NOT COVERED IN AASHTO/AWS D1.5M/D1.5:2015.
2. PROVIDE 2 INCHES OF CONCRETE COVER ON REINFORCEMENT BARS, EXCEPT AS NOTED.
3. USE CLASS AAAP CEMENT CONCRETE IN DECK SLAB.
4. USE CLASS AA CEMENT CONCRETE IN F-SHAPE BARRIERS, APPROACH SLABS, SLEEPER SLABS, CHEEKWALLS AND U-WINGS ABOVE BRIDGE SEAT CONSTRUCTION JOINT.
5. USE CLASS A CEMENT CONCRETE IN ABUTMENTS BELOW BRIDGE SEAT, WINGWALLS, RETAINING WALL, AND FOOTINGS.
6. USE CLASS AA CEMENT CONCRETE, EXCEPT USE NO. 8 COARSE AGGREGATE IN MODIFIED PEDESTRIAN BARRIERS WITH UTILITY ENCASEMENTS.
7. USE CLASS C CEMENT CONCRETE BELOW THE BOTTOMS OF FOOTINGS WHEN SPECIFIED.
8. A HIGHER CLASS CONCRETE MAY BE SUBSTITUTED FOR A LOWER CLASS CONCRETE AT NO ADDITIONAL COST TO THE DEPARTMENT, IF APPROVED BY THE DISTRICT BRIDGE ENGINEER.
9. PROVIDE GRADE 60 REINFORCING STEEL BARS THAT MEET THE REQUIREMENTS OF ASTM A 615/A 615M, A 996/A 996M OR A 706/A 706M. DO NOT WELD GRADE 60 REINFORCING STEEL BARS UNLESS SPECIFIED. GRADE 40 REINFORCING STEEL BARS MAY BE SUBSTITUTED WITH A PROPORTIONAL INCREASE IN CROSS-SECTIONAL AREA, IF APPROVED BY THE CHIEF BRIDGE ENGINEER. DO NOT USE RAIL STEEL A 996/A 996M REINFORCEMENT BARS IN ABUTMENTS, SHEAR BLOCKS, BEAMS, FOOTINGS, PILES, BARRIERS OR WHERE BENDING OR WELDING OF THE REINFORCEMENT BARS IS INDICATED.
10. USE EPOXY-COATED REINFORCEMENT BARS IN THE DECK SLAB, BARRIERS, SIDEWALK, U-WINGS ABOVE THE CONSTRUCTION JOINT, STIRRUPS PROTRUDING FROM PRESTRESSED BEAMS INTO THE DECK SLAB. EPOXY-COAT J-BAR REINFORCEMENT IN SUBSTRUCTURE UNITS AND EPOXY-COAT OTHER SUBSTRUCTURE REINFORCEMENT BARS AS INDICATED.
11. GALVANIZED REINFORCING STEEL BARS MAY BE SUBSTITUTED FOR EPOXY-COATED REINFORCING STEEL BARS AT NO ADDITIONAL COST TO THE DEPARTMENT.
12. RAKE-FINISH ALL HORIZONTAL CONSTRUCTION JOINTS, EXCEPT AS INDICATED.
13. SITE CLASS IS NOT CLASS E.
14. VERIFY ALL DIMENSIONS AND GEOMETRY OF THE EXISTING STRUCTURE IN THE FIELD AS NECESSARY FOR PROPER FIT OF THE PROPOSED CONSTRUCTION.
15. CONSTRUCT DECK SLAB TRANSVERSE CONSTRUCTION JOINTS PARALLEL TO BRIDGE CENTERLINE OF BEARINGS.
16. PLACE CHEEKWALL AFTER BEAMS ARE SET IN POSITION.
17. CHAMFER EXPOSED CONCRETE EDGES 3/4 INCH BY 3/4 INCH, EXCEPT AS NOTED.
18. ALL DIMENSIONS SHOWN ARE HORIZONTAL, EXCEPT AS NOTED.
19. DECK SLAB THICKNESS INCLUDES A 1/2 INCH INTEGRAL WEARING SURFACE.
20. SUPERSTRUCTURE DIMENSIONS SHOWN ARE FOR A NORMAL TEMPERATURE OF 68° F.
21. PROVIDE MINIMUM EMBEDMENT AND SPLICE LENGTHS IN ACCORDANCE WITH STANDARD DRAWING BC-736M, UNLESS OTHERWISE INDICATED.
22. PREPARE BEARING AREAS AS SPECIFIED IN PUBLICATION 408, SECTION 1001.3(k)9.
23. BRIDGE IS NOT WEIGHT RESTRICTED. SEE PUBLICATION 408, SECTION 105.17 FOR CONSTRUCTION LOADING LIMITS.
24. DO NOT USE ADHESIVE ANCHORS IN A TENSION APPLICATION FOR PERMANENT INSTALLATIONS.
25. DO NOT USE ADHESIVE ANCHORS IN A SUSTAINED TENSION APPLICATION FOR TEMPORARY INSTALLATIONS, INCLUDING DURING CONSTRUCTION.

GENERAL FOUNDATION NOTES

1. REMOVE THE EXISTING BRIDGE SUBSTRUCTURE AND FOUNDATIONS WHERE THEY INTERFERE WITH CONSTRUCTION IN ACCORDANCE WITH PUBLICATION 408, SECTION 1018. BACKFILL EXCAVATIONS BENEATH THE PROPOSED FOOTINGS WITH CLASS C CONCRETE.
2. UTILIZE SPREAD FOOTINGS BEARING ON CLASS C CONCRETE AND ROCK FOR FOUNDATION SUPPORT. OVEREXCAVATE ANY SOIL AND/OR SOFT OR WEATHERED MATERIAL TO THE TOP OF SOUND BEDROCK AND BACKFILL WITH CLASS C CONCRETE TO BOTTOM OF FOOTING ELEVATION AND AS DIRECTED.
3. VISUALLY INSPECT THE MATERIAL AT THE BOTTOM OF FOOTING ELEVATION. OVEREXCAVATE AND BACKFILL BENEATH THE FOOTING WITH CLASS C CONCRETE AT THE DIRECTION OF THE DISTRICT STRUCTURAL CONTROL ENGINEER (DSCE) OR DSCE REPRESENTATIVE AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
4. NOTIFY THE DEPARTMENT IMMEDIATELY IF SINKHOLES ARE ENCOUNTERED DURING CONSTRUCTION. REPAIR THE SINKHOLES AS DIRECTED BY THE DEPARTMENT IN ACCORDANCE WITH THE REMEDIATION OF SINKHOLES SPECIAL PROVISION.
5. FOUNDATION SUBGRADE MUST BE INSPECTED AND APPROVED BY THE DISTRICT STRUCTURAL CONTROL ENGINEER (DSCE) OR DSCE REPRESENTATIVE. NOTIFY THE REPRESENTATIVE AT LEAST 7 CALENDAR DAYS BEFORE THE NEED FOR THE INSPECTION IS ANTICIPATED. NOTIFY THE REPRESENTATIVE OF A FIRM DATE AND TIME AT LEAST 48 HOURS BEFORE THE REQUESTED DATE AND TIME OF THE INSPECTION OF AN EXCAVATION, BUT GIVE THE NOTICE BETWEEN START OF WORK ON MONDAY AND NOON OF THE FOLLOWING FRIDAY. DO NOT SCHEDULE AN INSPECTION OF A FOUNDATION ON SATURDAYS, SUNDAYS, OR HOLIDAYS WITHOUT THE PRIOR APPROVAL OF THE REPRESENTATIVE.
6. SPREAD FOOTINGS MAY BE ORDERED BY THE DSCE OR DSCE REPRESENTATIVE TO BE AT ANY ELEVATION OR OF ANY DIMENSIONS NECESSARY TO PROVIDE A PROPER FOUNDATION.
7. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING SUFFICIENT DEWATERING SO THAT THE EXCAVATIONS ARE DRY ENOUGH TO BE INSPECTED BY THE DSCE OR DSCE REPRESENTATIVE.
8. BLASTING IS NOT PERMITTED TO BE USED AS A METHOD OF EXCAVATION.
9. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF ALL TEMPORARY EXCAVATED SLOPES. DIRECT SURFACE RUNOFF AWAY FROM THE EXCAVATION. PERFORM ALL EXCAVATIONS IN ACCORDANCE WITH OSHA REQUIREMENTS.
10. PROVIDE TEMPORARY EXCAVATION SUPPORT IN ACCORDANCE WITH TEMPORARY EXCAVATION SUPPORT AND PROTECTION SYSTEM STANDARD SPECIAL PROVISION AND NORFOLK SOUTHERN CORPORATION REQUIREMENTS. USE THE FOLLOWING PARAMETERS FOR THE DESIGN OF THE TEMPORARY EXCAVATION SUPPORT AND PROTECTION SYSTEM:

EFFECTIVE ANGLE OF FRICTION:	29°
MOIST UNIT WEIGHT OF SOIL:	115 PCF
SATURATED UNIT WEIGHT OF SOIL:	120 PCF
EFFECTIVE COHESION:	0.0 PSF
GROUNDWATER ELEVATION:	258 (NEAR TRACKS) 265 (END OF WINGS)
UNDRAINED SHEAR STRENGTH:	N/A
SHEAR STRENGTH OF ROCK MASS:	32.0 KSF

11. TEMPORARY EXCAVATION SUPPORT AND PROTECTION SYSTEM, LOCATED WITHIN 14 FEET OF THE CENTERLINE OF THE RAILROAD TRACKS, WILL NEED TO BE INTERLOCKING. THIS SHORING WILL NEED TO REMAIN IN PLACE AND NOT BE REMOVED. AFTER BACKFILLING, THE SHORING WILL BE CUT OFF 2'-0" BELOW FINISHED GRADE. RAILROAD LIVE LOAD MUST BE CONSIDERED IN THE DESIGN OF TEMPORARY EXCAVATION SUPPORT. SEE SPECIAL PROVISIONS.

PROTECTIVE COATINGS

1. APPLY A PROTECTIVE COATING FOR REINFORCED CONCRETE SURFACES (PENETRATING SEALERS, BRIDGE SUPERSTRUCTURE) IN ACCORDANCE WITH PUBLICATION 408, SECTION 1019.3(c)2, TO THE INSIDE AND TOP SURFACES OF THE BARRIERS.

UTILITY NOTES

1. COORDINATE, LOCATE, AND CONDUCT ALL WORK RELATED TO PUBLIC AND PRIVATE UTILITIES IN ACCORDANCE WITH PUBLICATION 408, SECTIONS 105.06 AND 107.12.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
GENERAL NOTES

RECOMMENDED 10 / 27 / 2022

SHEET 3 OF 54

S-36195



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DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

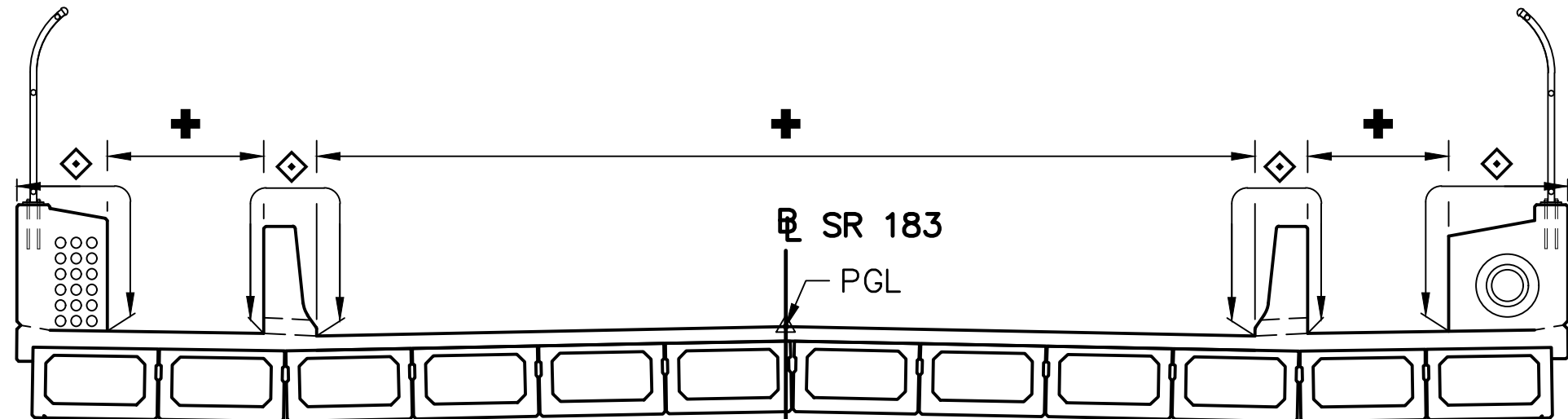
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APPROXIMATE QUANTITIES – BRIDGE STRUCTURE, AS DESIGNED								
ITEM NO.	DESCRIPTION	UNIT	APPROACH SLAB 1	ABUT 1	ABUT 2	APPROACH SLAB 2	SUPERSTRUCTURE	TOTAL
8020–0001	BRIDGE STRUCTURE, AS DESIGNED, S–36195*	LS						LUMP SUM
(1)	CLASS 3 EXCAVATION	CY	–	2158	1319	–	–	3477
(1)	STRUCTURE BACKFILL	CY	–	1037	1211	–	–	2248
(1)	ROCK, CLASS R4	CY	–	75	76	–	–	151
(1)	NO. 3 COARSE AGGREGATE	CY	–	95	94	–	–	189
(1)	NO. 57 COARSE AGGREGATE (3) (8)	CY	–	4	4	2	–	10
(1)	6” STRUCTURE FOUNDATION DRAIN	LF	–	58	58	–	–	116
(1)	MEMBRANE WATERPROOFING SYSTEM INSTALLED ON OTHER SURFACES	SY	–	60	61	–	–	121
(1)	CLASS AAP CEMENT CONCRETE	CY	–	–	–	–	95	95
(1)	CLASS AA CEMENT CONCRETE	CY	33	–	–	33	22	88
(1)	CLASS A CEMENT CONCRETE (8)	CY	–	363	385	28	–	776
(1)	CLASS AA CEMENT CONCRETE, EXCEPT USE NO. 8 COARSE AGGREGATE	CY	22	–	–	21	48	91
(1)	BARRIER PROTECTIVE FENCE, STEEL (4)	LF	49	–	–	49	–	98
(1)	SIDEWALK PROTECTIVE FENCE, STEEL	LF	–	–	–	34	–	34
(1)	RAILROAD PROTECTIVE FENCE, CURVED TOP, STEEL	LF	–	–	–	–	137	137
(1)	PRESTRESSED CONCRETE ADJACENT BOX BEAMS, 48”x27” (5)	LF	–	–	–	–	792	792
(1)	POLYESTER POLYMER CONCRETE OVERLAY, 1”	SY	–	–	–	–	290	290
(1)	24” DIAMETER STEEL CASING PIPE *	LF	5	–	–	5	68	78
(1)	UTILITY ENCASEMENT COVER *	LF	–	23	16	–	–	39
AND								
1001–0980	MECHANICAL TEXTURING WITH LONGITUDINAL SAWED GROOVES (9)	SY					290	290
AND								
1002–0001	REINFORCEMENT BARS (2)	LB	–	27,852	28,009	–	–	55,861
AND								
1002–0052	REINFORCEMENT BARS, EPOXY COATED (2) (6) (8)	LB	6979	8834	8671	9731	15,311	49,526
1018–0001	REMOVAL OF EXISTING BRIDGE	LS	–	–	–	–	–	1
1019–0050	PROTECTIVE COATING FOR REINFORCED CONCRETE SURFACES (PENTRATING SEALERS, BRIDGE SUPERSTRUCTURE)	SY	100	–	–	99	512	711
1091–0335	EPOXY INJECTION CRACK SEAL	DOLLAR	–	–	–	–	500	500
9000–0012	PRE AND POST CONSTRUCTION SURVEY *	EA	–	–	–	–	14	14
9000–0027	OVEREXCAVATION AND BACKFILLING UNDER FOUNDATION* (7)	CY	–	15	252	–	–	267
9000–0028	TRACK MONITORING PROGRAM *	DOLLAR	–	–	–	–	–	5000
9000–0029	CONSTRUCTION VIBRATION MONITORING *	LS	–	–	–	–	–	1
9203–0101	TEMPORARY EXCAVATION SUPPORT AND PROTECTION SYSTEM*	LS	–	–	–	–	–	1

NOTES:

- (*) SEE SPECIAL PROVISIONS.
- (1) ITEMS IN BRIDGE STRUCTURE LUMP SUM ITEM 8020–0001 GIVEN FOR INFORMATION ONLY.
- (2) FOR AS DESIGNED STRUCTURE, INCLUDED IN BRIDGE BID ITEMS. FOR ALTERNATE DESIGNS, INCLUDED IN BRIDGE STRUCTURE LUMP SUM BID ITEM.
- (3) GEOTEXTILE, CLASS 1 IS INCIDENTAL TO THIS ITEM.
- (4) INCLUDES 4 ANTI CLIMB SHIELDS AS PART OF FENCE.
- (5) INCLUDES NEOPRENE BEARING PADS.
- (6) INCLUDES STAINLESS STEEL DOWEL BARS.
- (7) INCLUDES EXCAVATION AND CLASS C CEMENT CONCRETE.
- (8) APPROACH SLAB 2 QUANTITY INCLUDES RETAINING WALL QUANTITY.
- (9) THIS ITEM IS TO BE USED IF THE DECK IS PLACED IN SERVICE BEFORE THE PPC OVERLAY IS INSTALLED.

ALTERNATE STRUCTURE ITEMS			
ITEM NO.	DESCRIPTION	UNIT	TOTAL
8020–0001	BRIDGE STRUCTURE, AS DESIGNED, S–36195*	LS	LUMP SUM
8000–0001	PRESTRESSED CONCRETE BRIDGE STRUCTURE*	LS	LUMP SUM
8100–0001	STEEL BRIDGE STRUCTURE*	LS	LUMP SUM



SUPERSTRUCTURE PROTECTIVE COATING DETAIL
(NOT TO SCALE)

LEGEND:

- + LIMITS OF POLYESTER POLYMER CONCRETE OVERLAY
- ◇ LIMITS OF PROTECTIVE COATING FOR REINFORCED CONCRETE SURFACES

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06–0183–0025–1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183–05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
QUANTITIES

RECOMMENDED 10 / 27 / 2022

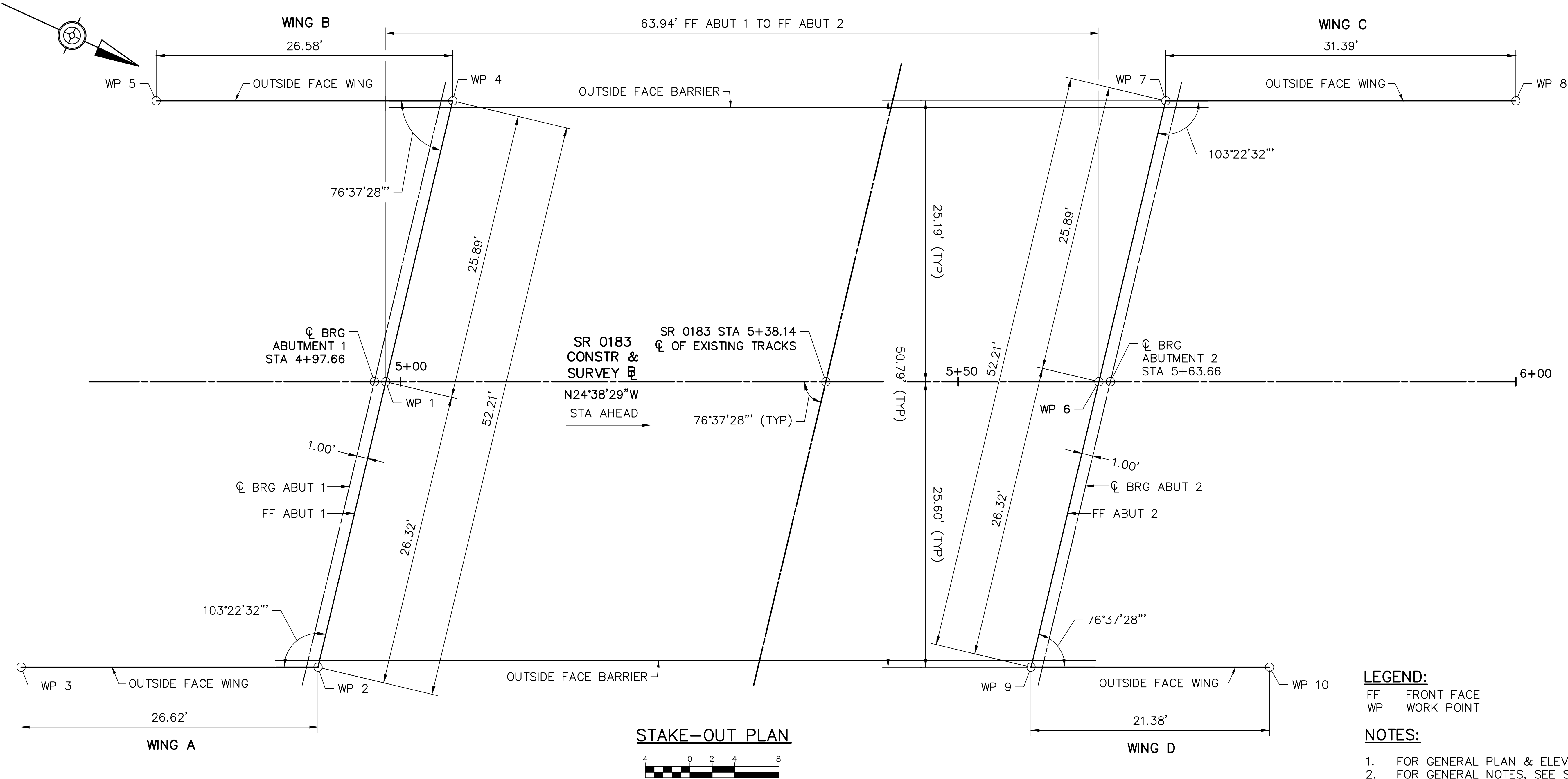
SHEET 4 OF 54

S–36195



DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

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LEGEND:

FF FRONT FACE
WP WORK POINT

NOTES:

- FOR GENERAL PLAN & ELEVATION, SEE SHEET 1.
- FOR GENERAL NOTES, SEE SHEET X.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

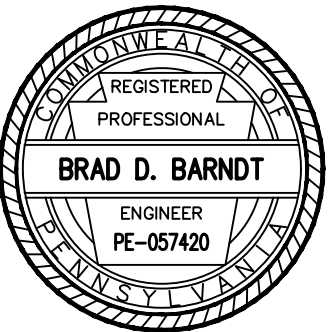
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SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
STAKE-OUT PLAN

RECOMMENDED 10 / 27 / 2022

SHEET 5 OF 54

S-36195



WORK POINT DATA				
WP	COORDINATES		STATION	OFFSET
	NORTHING	EASTING		
1	372802.6819	2473371.8942	4+98.69	0.00'
2	372807.8235	2473397.7052	4+92.60	25.60'
3	372783.6234	2473408.8059	4+65.98	25.60'
4	372797.6241	2473346.5033	5+04.68	-25.19'
5	372773.4617	2473357.5866	4+78.09	-25.19'
6	372860.7982	2473345.2356	5+62.63	0.00'
7	372855.7403	2473319.8446	5+68.62	-25.19'
8	372884.2742	2473306.7558	6+00.01	-25.19'
9	372865.9397	2473371.0466	5+56.54	25.60'
10	372885.3751	2473362.1315	5+77.92	25.60'

DIAGONAL REFERENCE

WP 2 TO WP 7 91.42'
WP 4 TO WP 9 72.59'

REFERENCE COORDINATES

STATION 0+00.00 ~NORTHING 372349.4071
~EASTING 2473579.8162
STATION 8+70.00 ~NORTHING 373140.1804
~EASTING 2473217.0800

NOTES

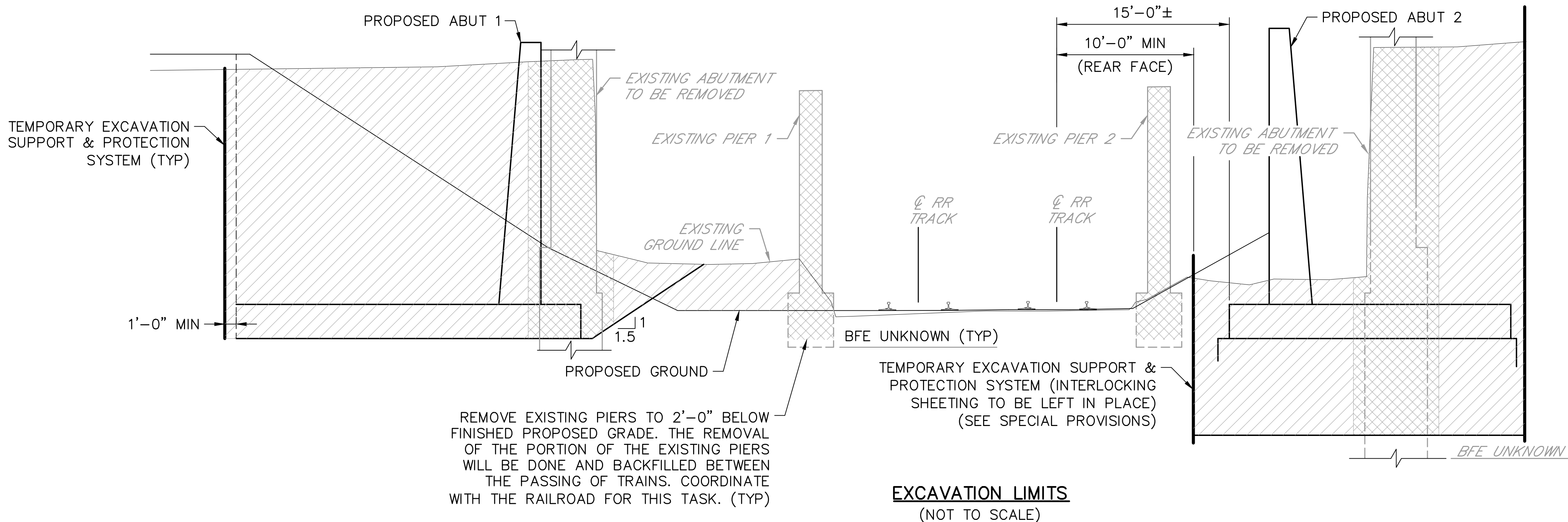
COORDINATES GIVEN TO FOUR DECIMAL PLACES FOR COMPUTATIONAL PURPOSES ONLY AND NOT IMPLY A PRECISION BEYOND TWO DECIMAL PLACES.

COORDINATES BASED ON PENNSYLVANIA STATE COORDINATE SYSTEM.

STATIONS & OFFSETS BASED ON SR 0183 CONSTR & SURVEY B.

DES: TML	CHK'D: BDB
DWG: JTP	CHK'D: BDB

\\VA01\0194\01194-04-SR-0183\DWG3\CD2012\Bridge DWG\01194-04-SR0183-05B-RR-FINAL.dwg - excavation DETAILS - 12/21/2022 9:08 AM



LEGEND:

INCLUDED IN REMOVAL EXISTING BRIDGE

CLASS 3 EXCAVATION

BFE - BOTTOM OF FOOTING

NOTES:

1. FOR GENERAL PLAN, SEE SHEET 1.

2. FOR GENERAL NOTES, SEE SHEET 3.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

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S.R. 0183, SEC. 05B
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OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
EXCAVATION DETAILS

RECOMMENDED 10 / 27 / 2022

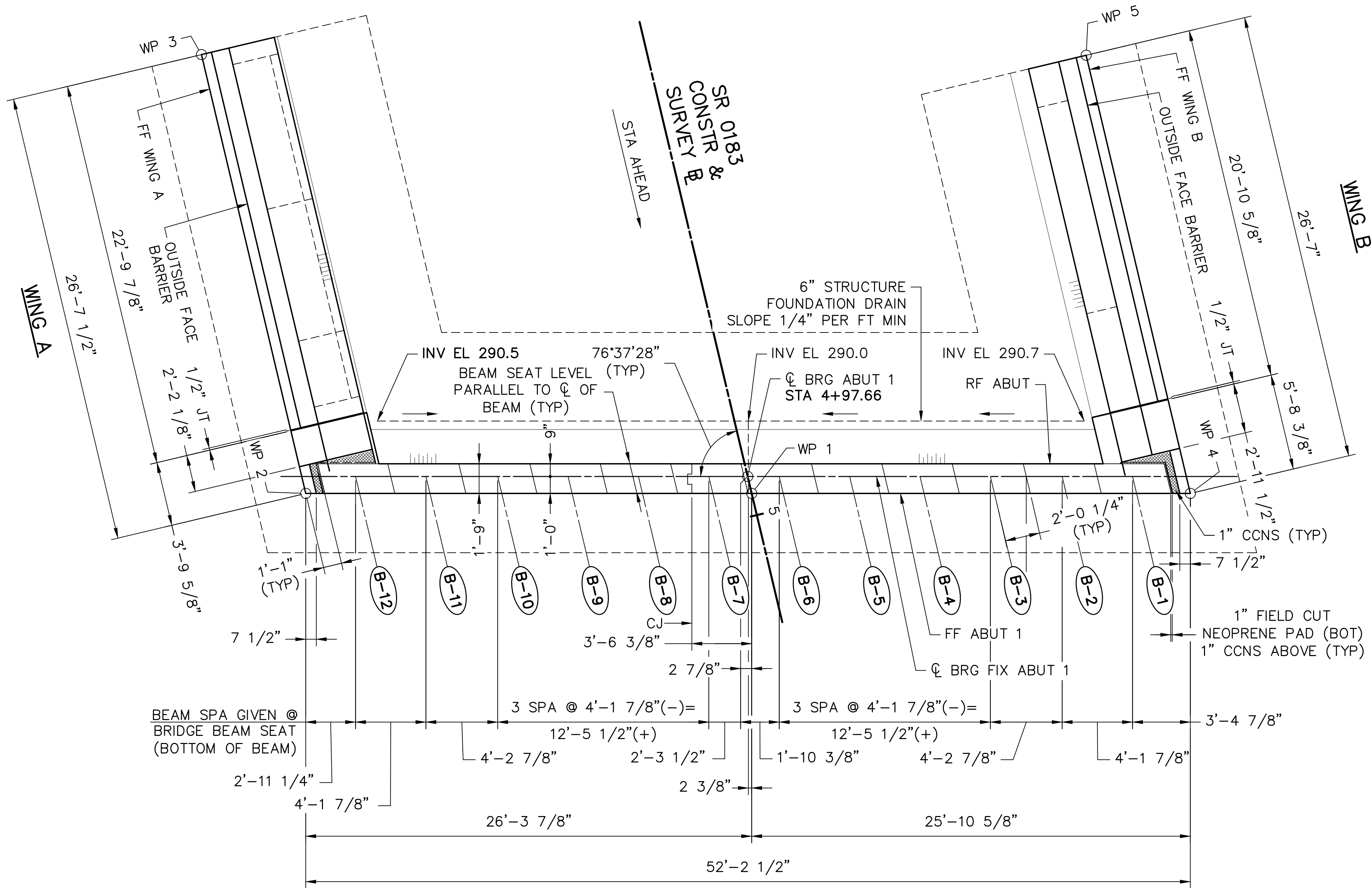
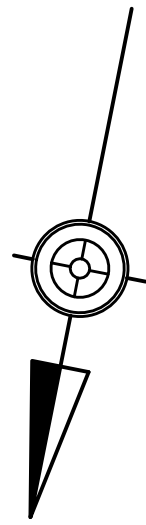
SHEET 6 OF 54

S-36195

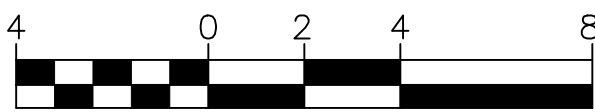


DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

\\VA01\0194\01194-04-SR_0183\DWG\CD2021\Bridge\DWG\01194-04-SR0183-05B-FR-FINAL.dwg - ABUT 1 PLAN - 8/29/2022 2:59 PM



ABUTMENT 1 PLAN

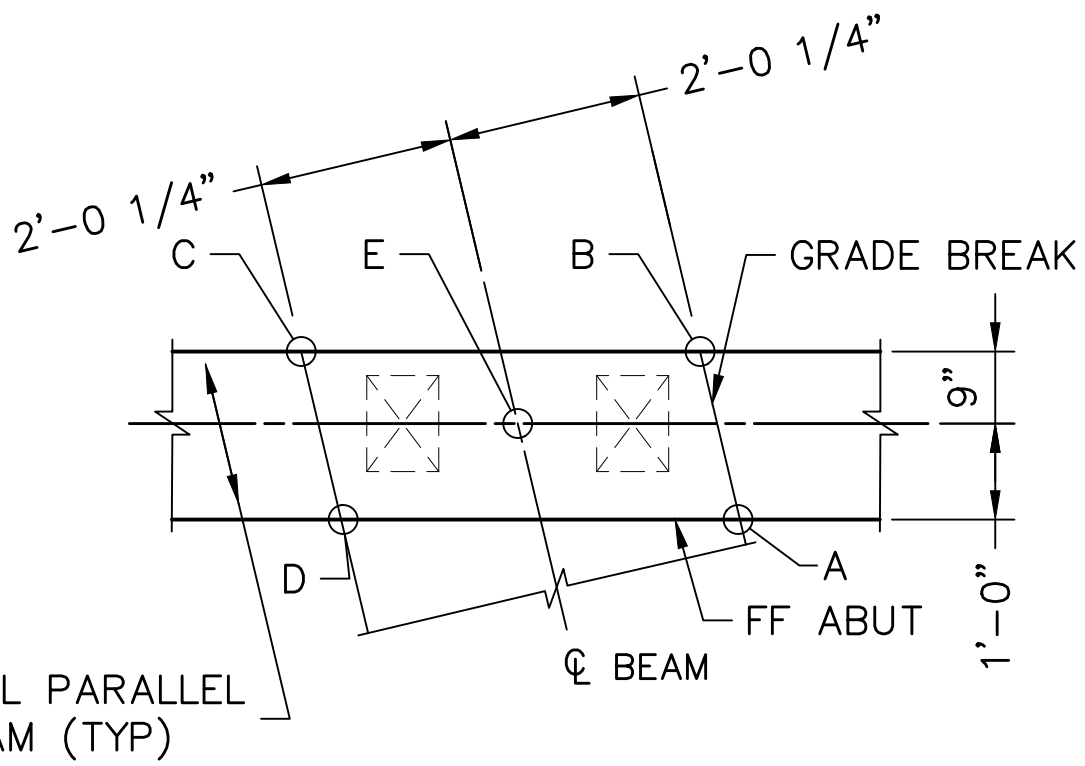


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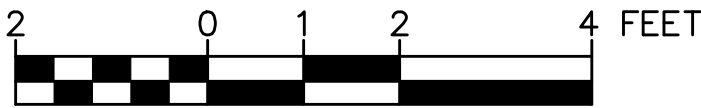
- FF FRONT FACE
RF REAR FACE
WP WORK POINT
CCNS CLOSED CELL NEOPRENE SPONGE
(BX) DESIGNATES BEAM NUMBER

DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

BEARING ELEVATIONS AT ABUTMENT 1					
	ELEVATION				
	A	B	C	D	E
BEAM 1	291.43	291.43	291.37	291.37	291.40
BEAM 2	291.33	291.33	291.27	291.27	291.30
BEAM 3	291.23	291.23	291.31	291.31	291.27
BEAM 4	291.27	291.27	291.35	291.35	291.31
BEAM 5	291.31	291.31	291.39	291.39	291.35
BEAM 6	291.35	291.35	291.43	291.43	291.39
BEAM 7	291.38	291.38	291.30	291.30	291.34
BEAM 8	291.25	291.25	291.17	291.17	291.21
BEAM 9	291.13	291.13	291.04	291.04	291.09
BEAM 10	291.00	291.00	290.92	290.92	290.96
BEAM 11	290.87	290.87	290.93	290.93	290.90
BEAM 12	290.88	290.88	290.94	290.94	290.92



TYPICAL BEARING AREA DETAIL



NOTES:

- FOR GENERAL NOTES, SEE SHEET 3.
- FOR STAKE-OUT PLAN, SEE SHEET 5.
- FOR ADDITIONAL ABUTMENT DETAILS, SEE SHEETS 8-13.
- FOR ABUTMENT 1 REINFORCEMENT SCHEDULE, SEE SHEETS 14 & 15.
- FOR UTILITIES DETAILS, SEE SHEET 47 & 48.

Mark	Description	By	Chk'd	Rec'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
ABUTMENT 1 PLAN

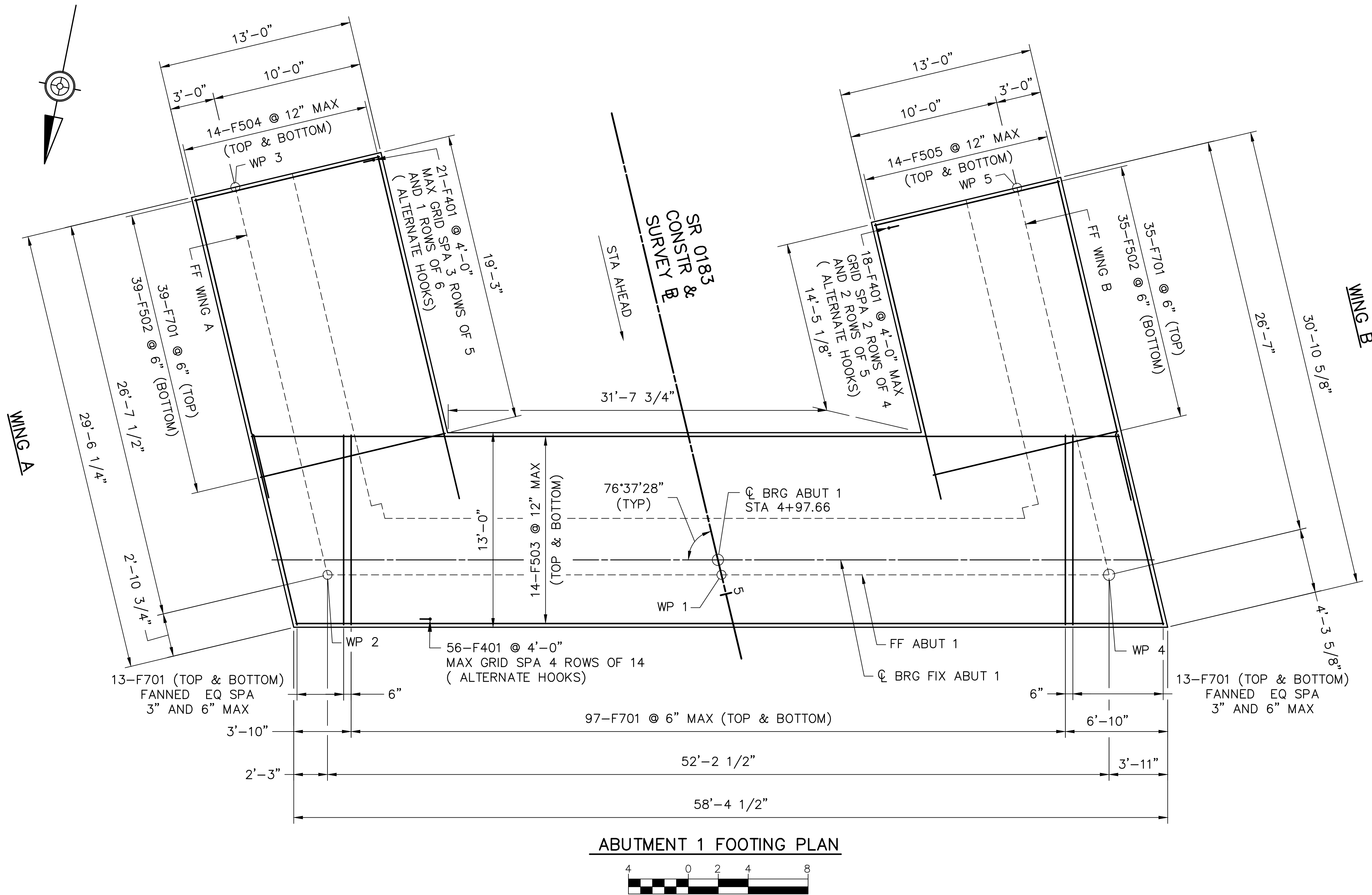
RECOMMENDED 10 / 27 / 2022

SHEET 7 OF 54

S-36195



\\VA01\01194\01194-04-SR 0183\DWG\CD2021\Bridg DWG\01194-04-SR0183-05B-FR-FINAL.dwg - ABUT 1 FOOTING - 8/29/2022 2:59 PM



ABUTMENT 1 FOOTING PLAN

FOUNDATION PRESSURES

ABUTMENT 1

- FACTORED BEARING RESISTANCE @ STRENGTH I = 32.0 KSF
- FACTORED SLIDING RESISTANCE @ STRENGTH I = 41.2 KIP
- MAX. FACTORED BEARING PRESSURE @ STRENGTH I = 13.8 KSF
- MAX. FACTORED HORIZONTAL LOAD @ STRENGTH I = 24.9 KIP

WING A

- FACTORED BEARING RESISTANCE @ STRENGTH I = 32.0 KSF
- FACTORED SLIDING RESISTANCE @ STRENGTH I = 38.6 KIP
- MAX. FACTORED BEARING PRESSURE @ STRENGTH I = 11.8 KSF
- MAX. FACTORED HORIZONTAL LOAD @ STRENGTH I = 26.0 KIP

WING B

- FACTORED BEARING RESISTANCE @ STRENGTH I = 32.0 KSF
- FACTORED SLIDING RESISTANCE @ STRENGTH I = 39.5 KIP
- MAX. FACTORED BEARING PRESSURE @ STRENGTH I = 12.8 KSF
- MAX. FACTORED HORIZONTAL LOAD @ STRENGTH I = 26.6 KIP

LEGEND:

FF FRONT FACE
WP WORK POINT

NOTES:

1. FOR GENERAL NOTES, SEE SHEET 3.
2. FOR STAKE-OUT PLAN, SEE SHEET 5.
3. FOR ADDITIONAL ABUTMENT 1 DETAILS, SEE SHEETS 7 & 9-13.
4. FOR ABUTMENT 1 REINFORCEMENT SCHEDULE, SEE SHEETS 14 & 15.

Mark	Description	By	Chk'd	Rec'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID: 06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY: 69241

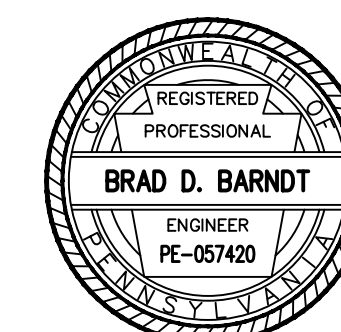
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
ABUTMENT 1 FOOTING PLAN

RECOMMENDED 10 / 27 / 2022

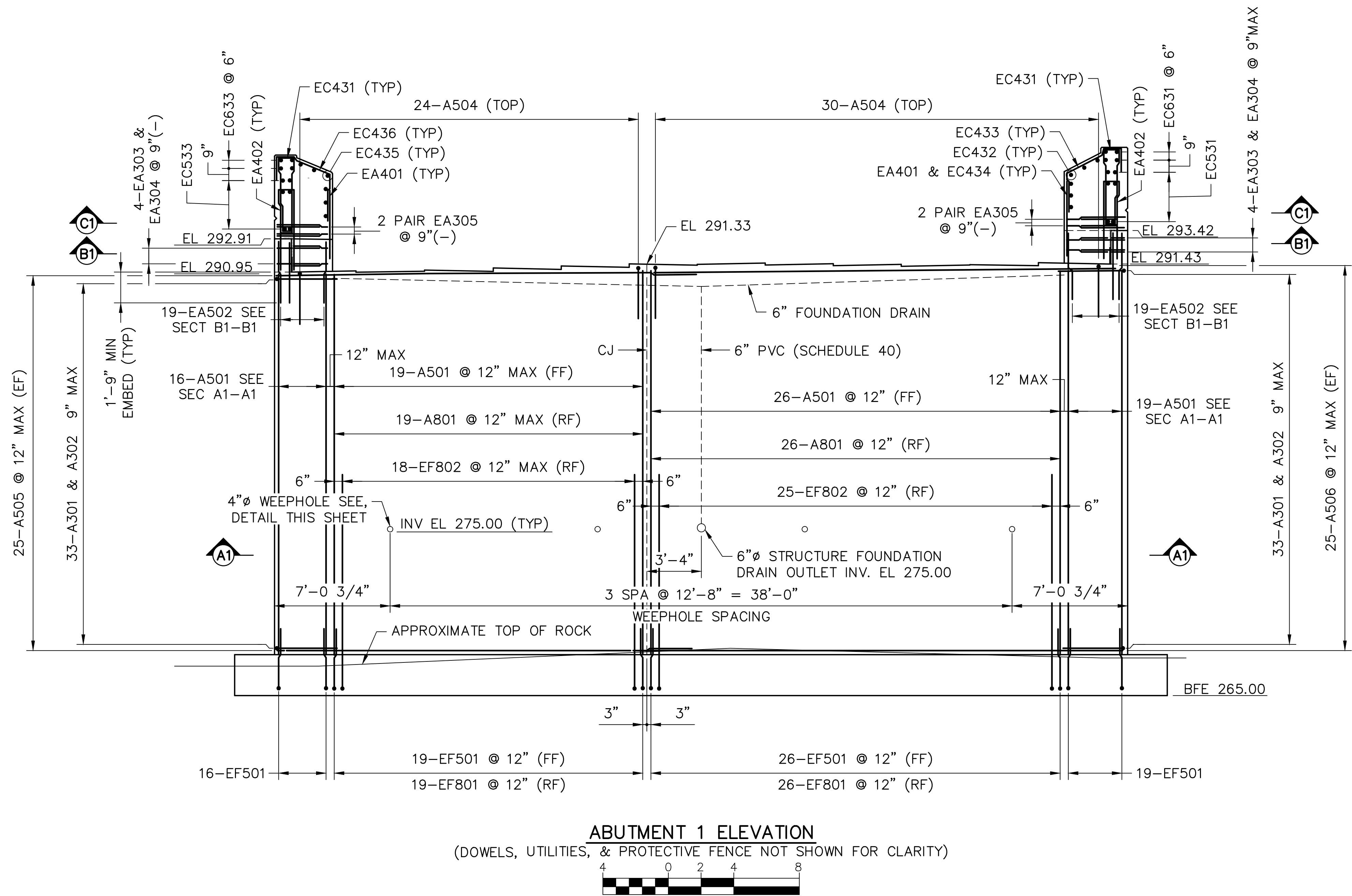
SHEET 8 OF 54

S-36195



DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

\\VA01\0194\0194-04 - SR 0183\DWG3\CD2022\Bridg DWG\0194-04-SR0183-05B-FR-FINAL.dwg - ABUT 1 ELEV - 8/25/2022 2:59 PM



- LEGEND:**
- FF FRONT FACE
 - RF REAR FACE
 - EF EACH FACE
 - CJ CONSTRUCTION JOINT
 - CCNS CLOSED CELL NEOPRENE SPONGE
 - PCP PREFORMED CELLULAR POLYSTYRENE
 - PVC POLYVINYL CHLORIDE PIPE
- NOTES:**
- FOR GENERAL NOTES, SEE SHEET 2.
 - FOR ADDITIONAL ABUT 1 DETAILS, SEE SHEETS 7, 8, & 10-13.
 - FOR ABUTMENT 1 REINFORCEMENT SCHEDULE, SEE SHEETS 14 & 15.
 - FOR UTILITIES DETAILS, SEE SHEETS 47 & 48.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF TRANSPORTATION

BERKS COUNTY

S.R. 0183, SEC. 05B

SEGMENT 0025 OFFSET 1778

S.R. 0183-05B STA. 5+38.14

OVER NORFOLK SOUTHERN RAILROAD

SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE

ABUTMENT 1 ELEVATION

RECOMMENDED

10 / 27 / 2022

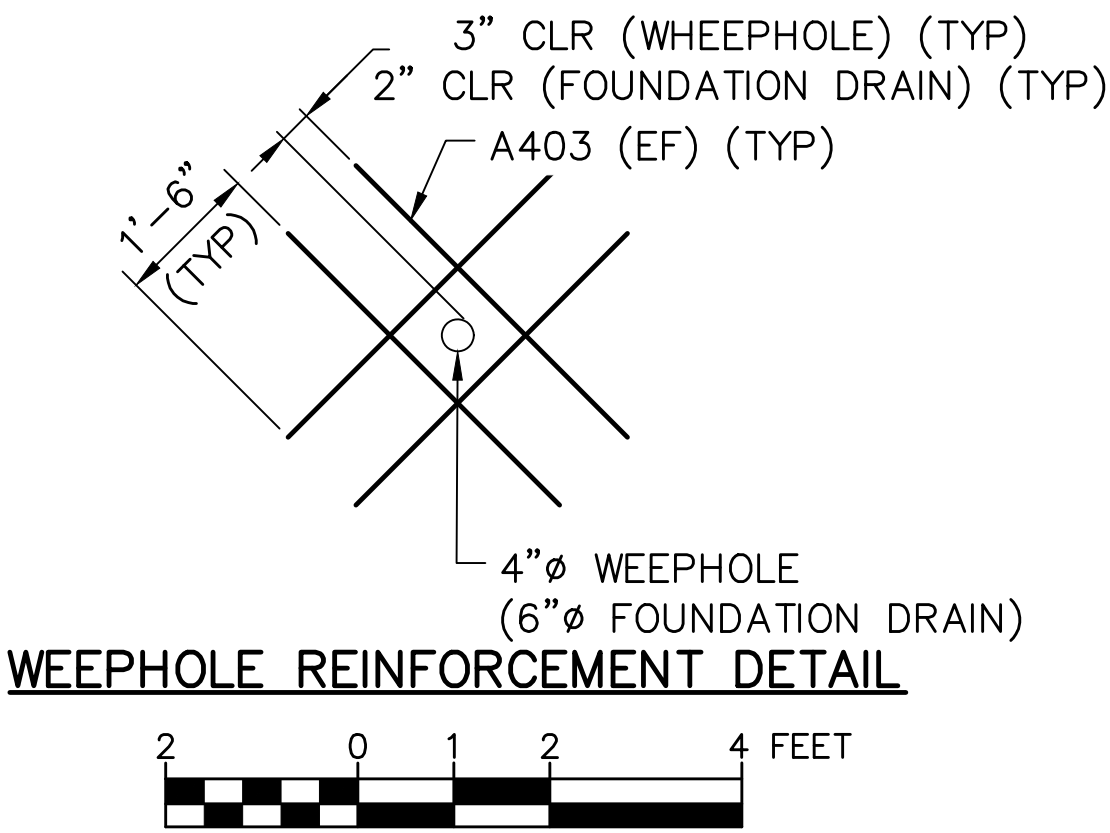
SHEET

9

OF

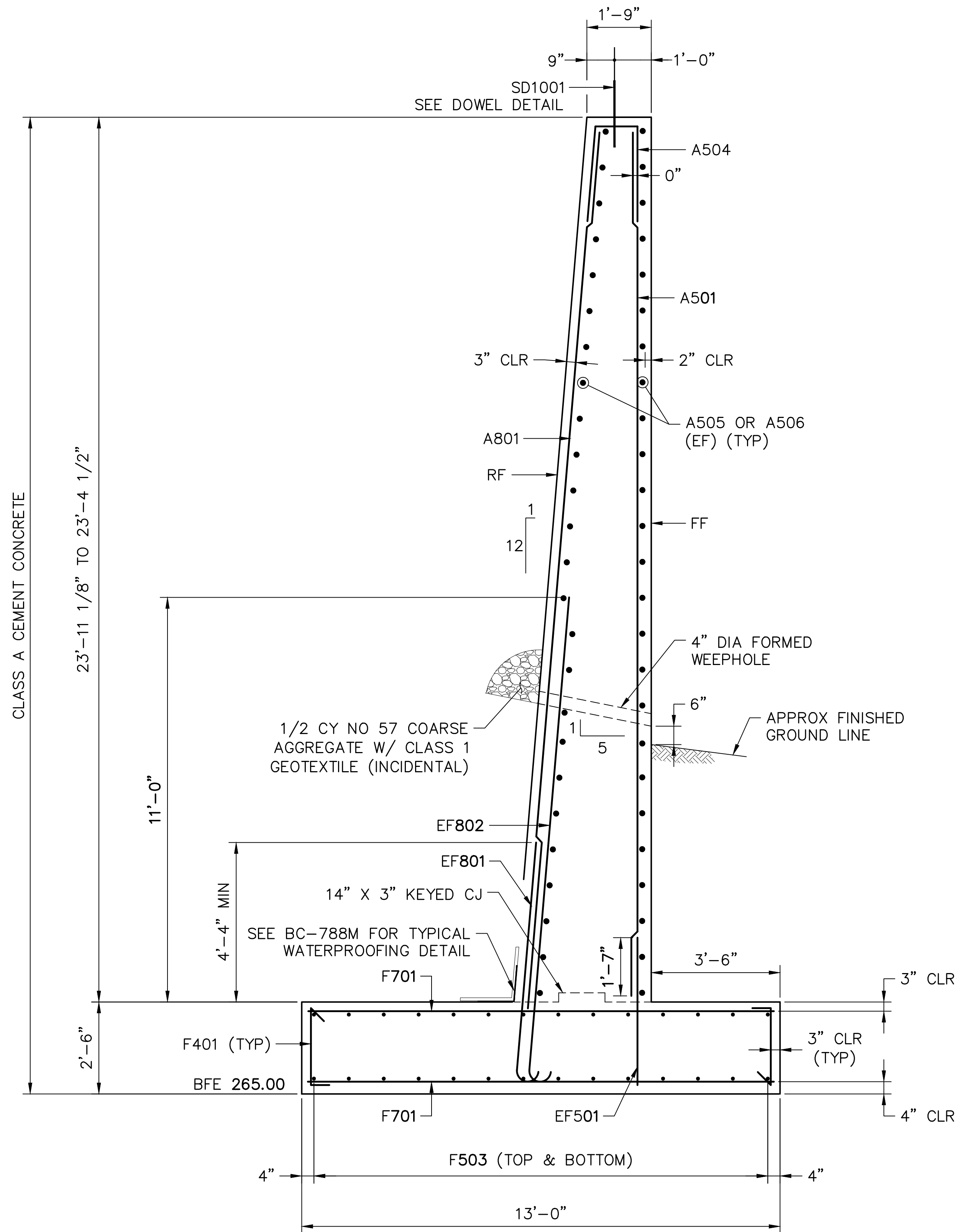
54

S-36195

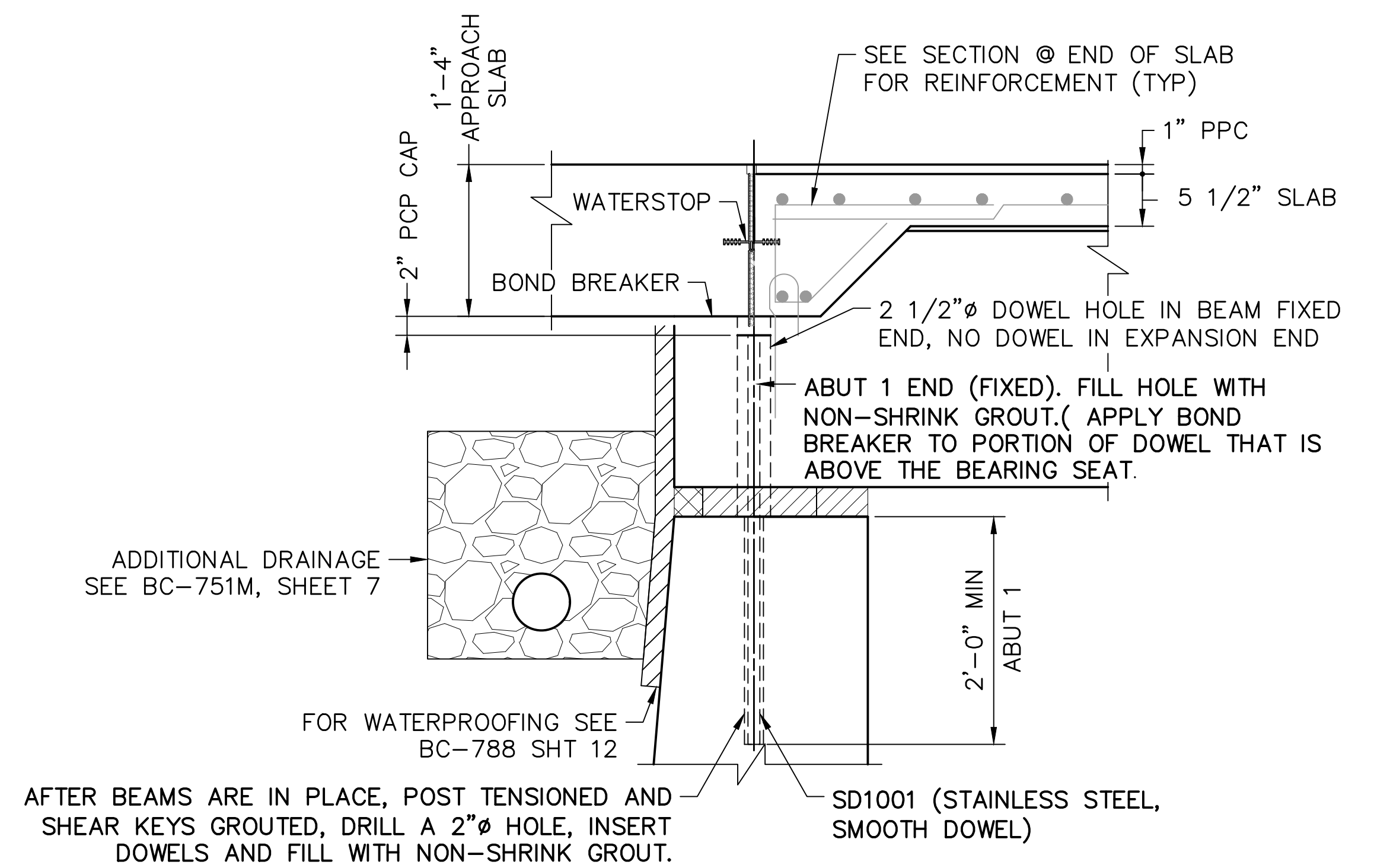
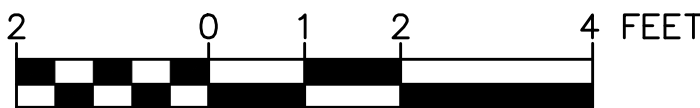


DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

\\VA01\0194\01194-04-SR-0183\DWG\CD\2012\Bridg DWG\01194-04-SR0183-05B-FR-FINAL.dwg - ABUT 1 SECT - 8/29/2022 2:59 PM



ABUTMENT 1 SECTION



DOWEL DETAIL



LEGEND:

- FF FRONT FACE
- RF REAR FACE
- EF EACH FACE
- CJ CONSTRUCTION JOINT
- PCP PERFORMED CELLULAR POLYSTYRENE
- PPC POLYESTER POLYMER CONCRETE

NOTES:

- FOR FOR ADDITIONAL ABUTMENT DETAILS, SEE SHEETS 7 THRU 9, 11 & 12.
- FOR REINFORCEMENT BAR SCHEDULE, SEE SHEETS 13 & 14.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

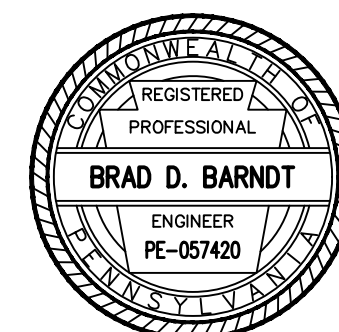
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
ABUTMENT 1 TYPICAL SECTION & DOWEL DETAIL

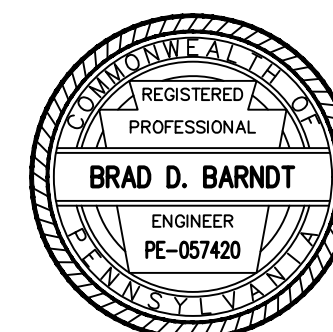
RECOMMENDED 10 / 27 / 2022

SHEET 10 OF 54

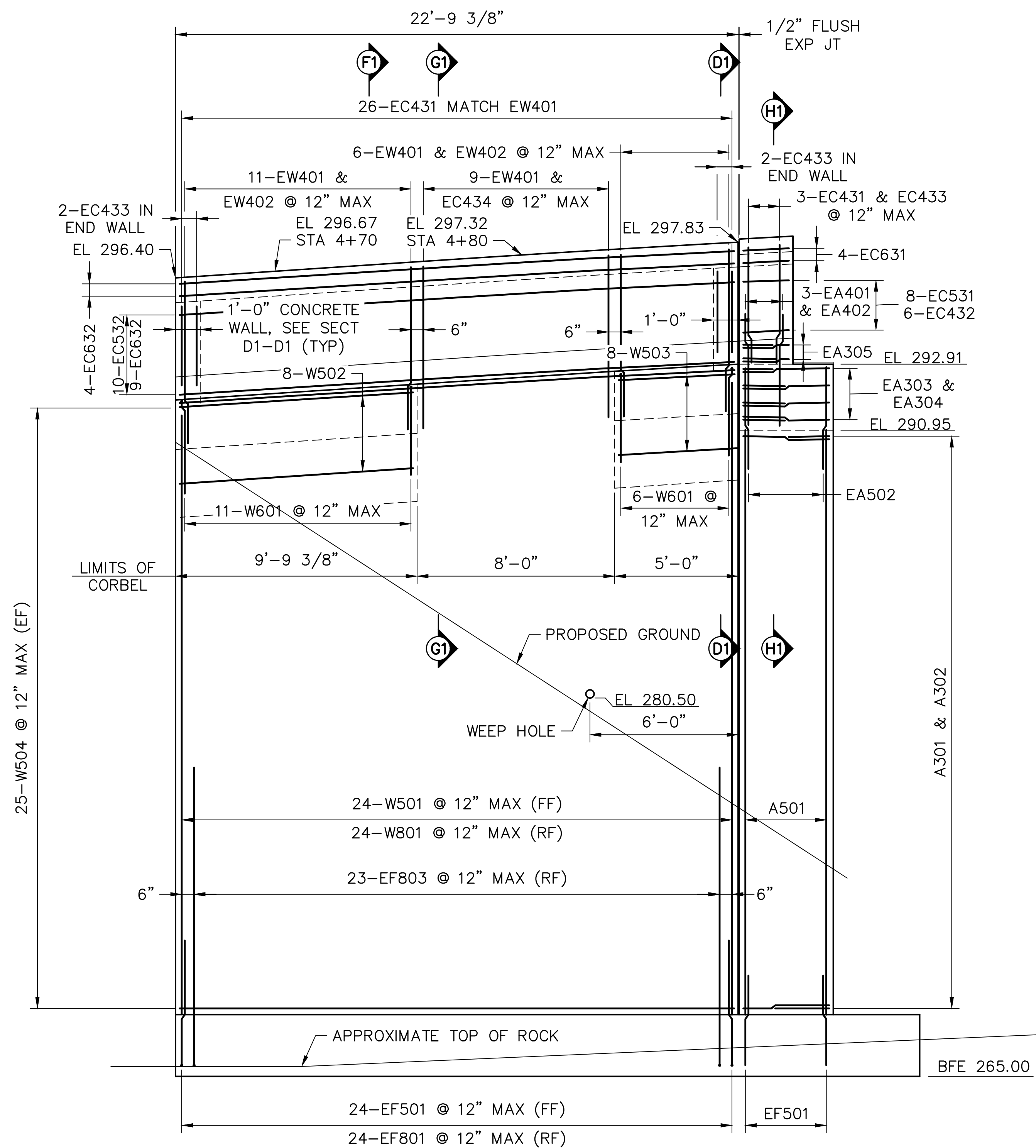
S-36195



DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB



W:\01\0194\01194-04 - SR 0183\DWGS\CD\2012\Bridg DWG\01194-04-SR0183-05B-FR-FINAL.dwg - ABOUT 1 MINOS - 8/29/2022 3:00 PM



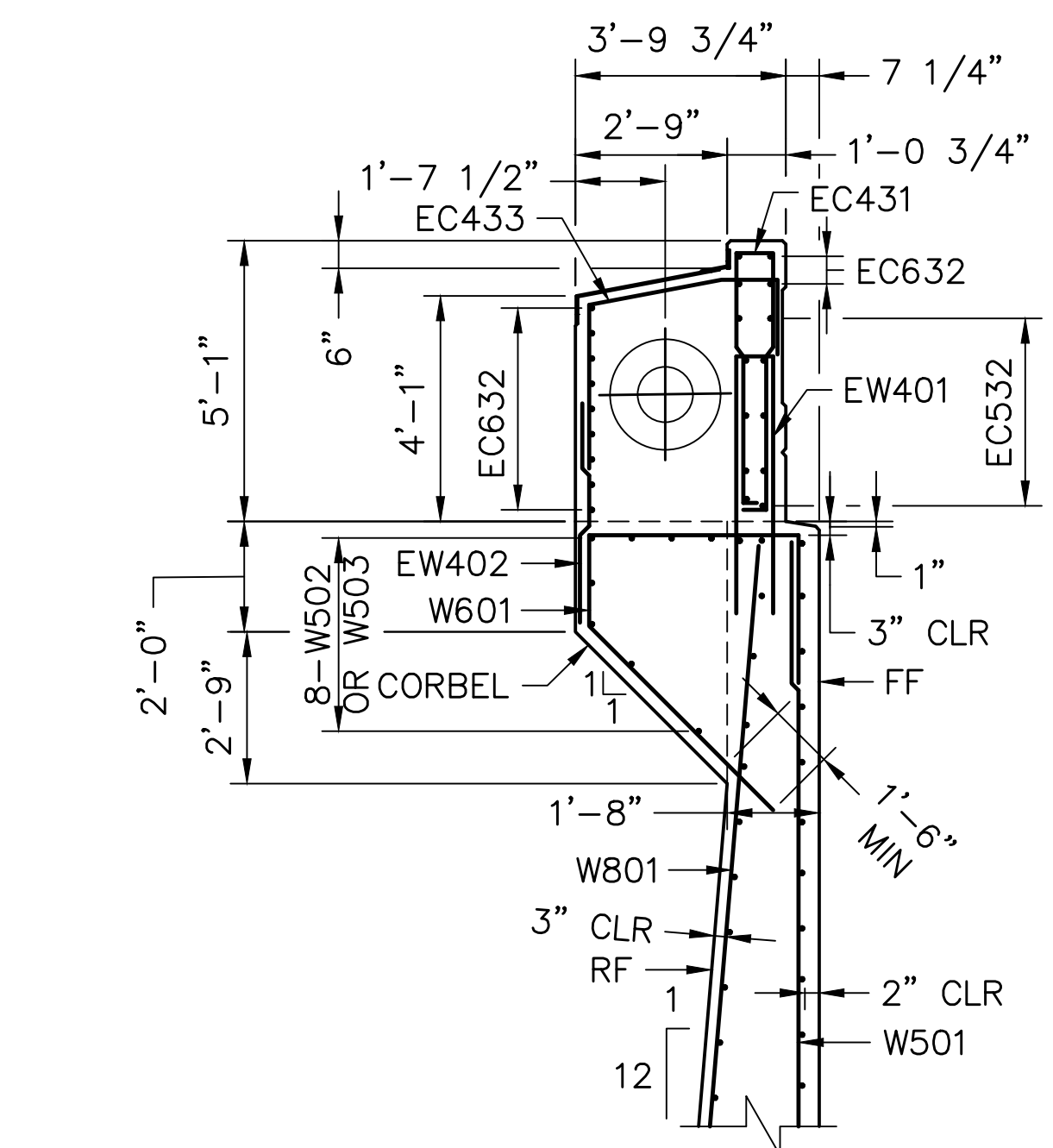
LEGEND:
FF FRONT FACE
RF REAR FACE
EF EACH FACE
CJ CONSTRUCTION JOINT

ELEVATION WING A
(UTILITIES & PROTECTIVE FENCE NOT SHOWN FOR CLARITY)

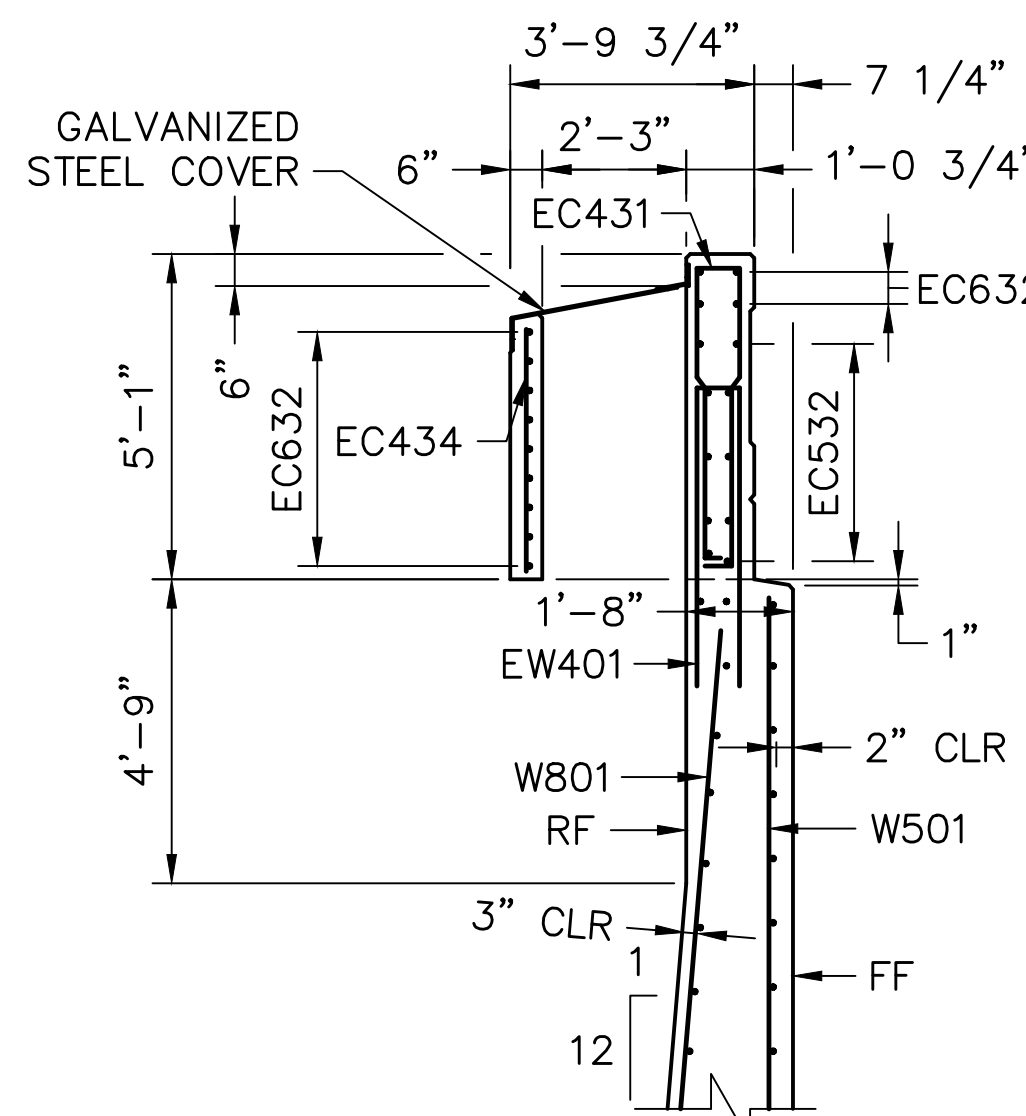


- NOTES:**
- FOR ADDITIONAL ABUT 1 DETAILS, SEE SHEETS 7 THRU 11, & 13.
 - FOR ABUTMENT 1 REINFORCEMENT SCHEDULE, SEE SHEETS 14 & 15.
 - FOR PROTECTIVE FENCE POST SPACING, SEE SHEET 33.

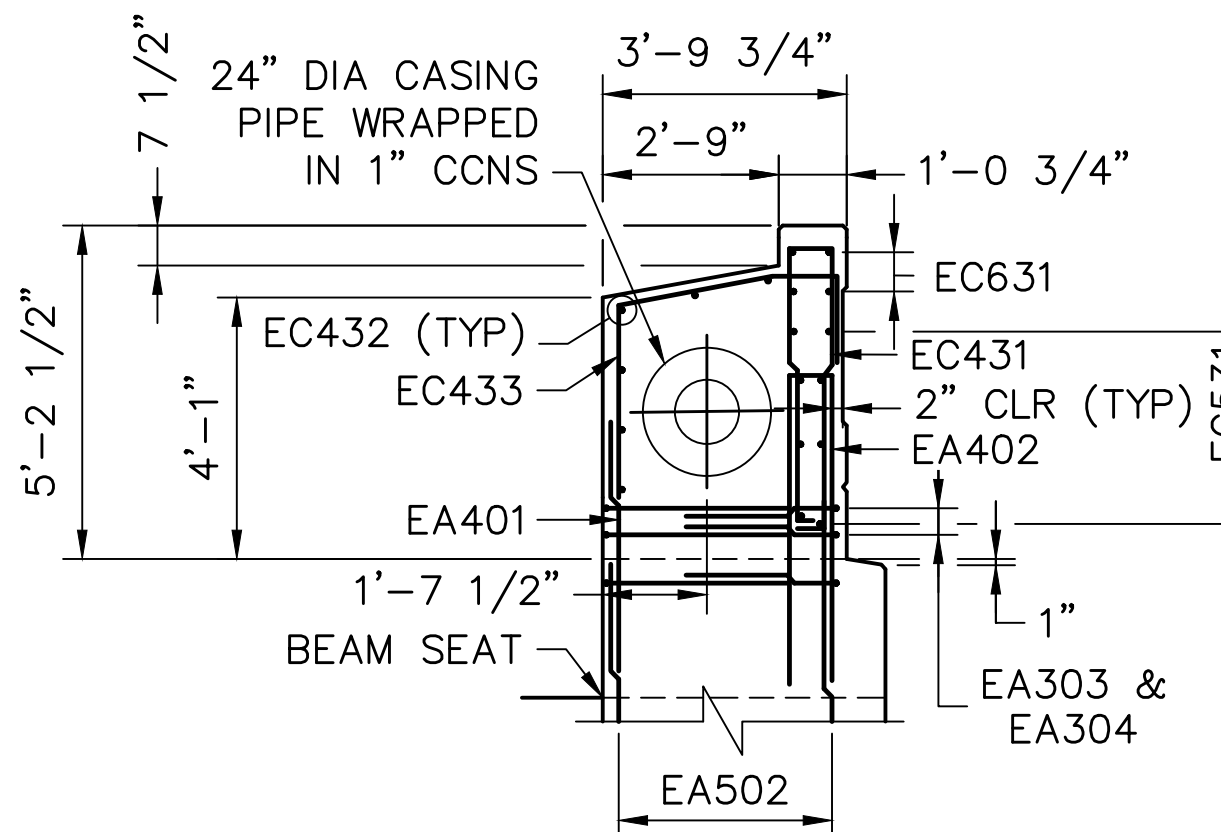
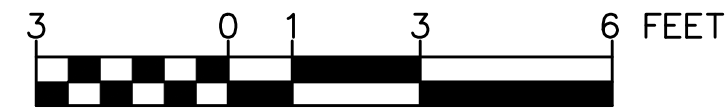
DES: TML CHK'D: BDB
DWG: JTP CHK'D: BDB



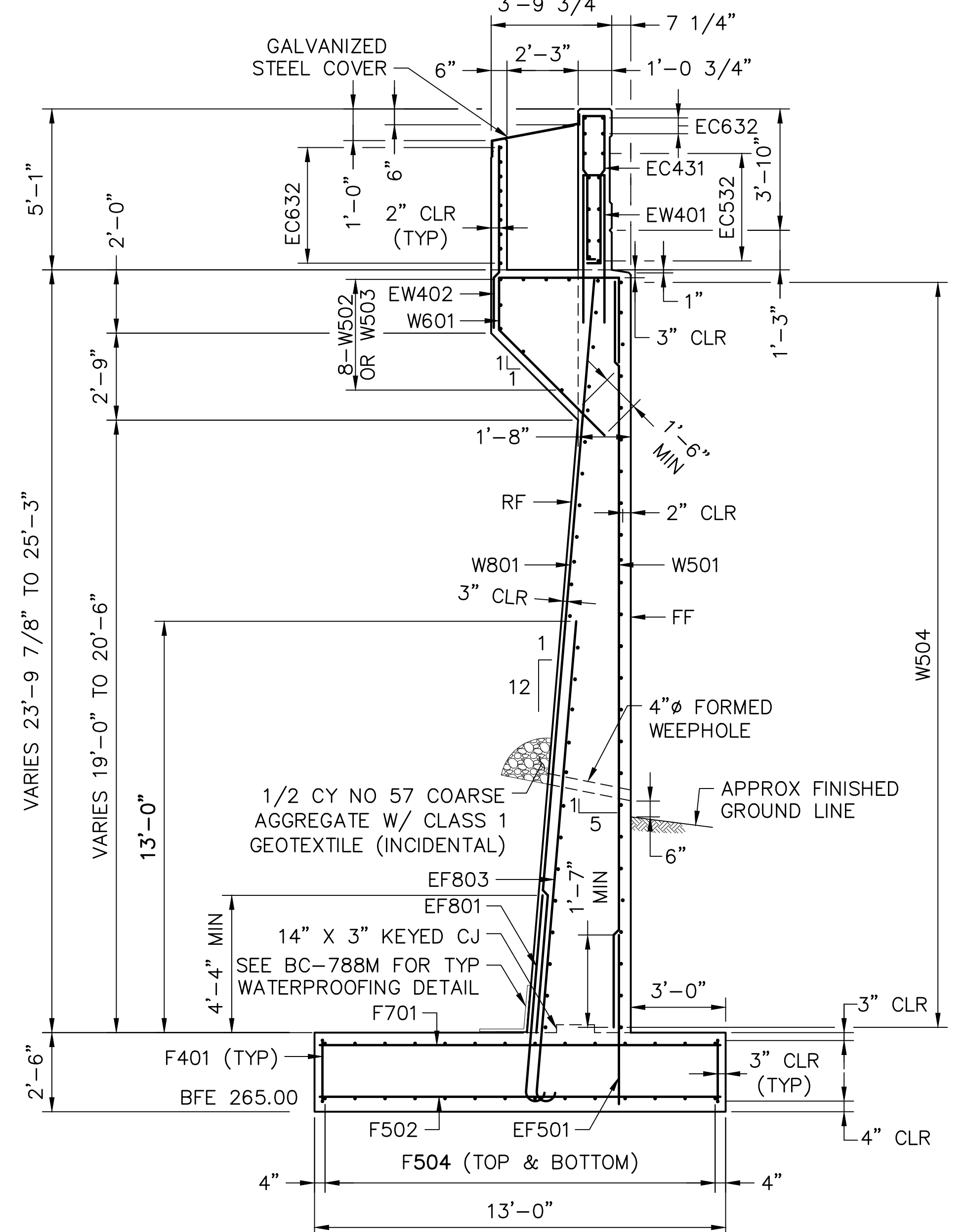
SECTION D1-D1



SECTION G1-G1



SECTION H1-H1



SECTION F1-F1



Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

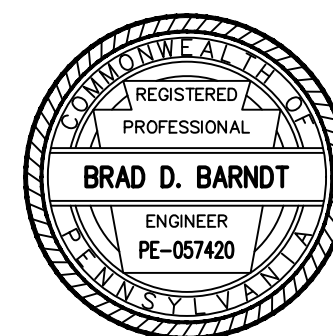
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
WING A ELEVATION & SECTIONS

RECOMMENDED 10 / 27 / 2022

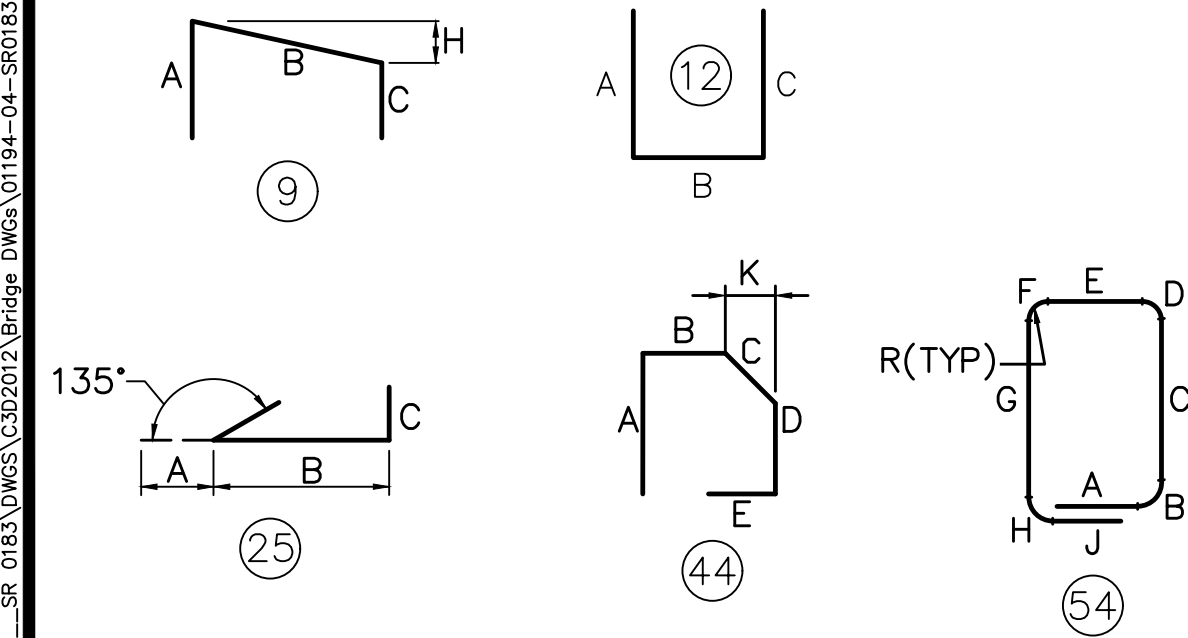
SHEET 12 OF 54

S-36195



\\A01\0119A\0119A-04_SR_0183\DWG\CD\2012\Bridg DWG\A\0119A-04-SR0183-05B-RR-FINAL.dwg - ABOUT 1 BAR SCHEDULE - 8/29/2022 3:00 PM

REINFORCEMENT BAR SCHEDULE																
MARK	SIZE	LENGTH	QTY	TYPE	A	B	C	D	E	F	G	H	J	K	R	REMARKS
A301	3	10'-8"	66	12	3'-1"	4'-2 1/4"	3'-4 3/4"									
A302	3	5'-3"	66	9	1'-8"	3'-7"	0"					3/4"				
EA303	3	7'-1"	8	STR												BEND IN FIELD
EA304	3	10'-6"	8	STR												BEND IN FIELD
EA305	3	7'-9"	8	STR												BEND IN FIELD
EA401	4	5'-2"	7	STR												
EA402	4	11'-0"	7	12	5'-2"	8"	5'-2"									
A403	4	4'-0"	56	STR												
A501	5	23'-0"	80	STR												
EA502	5	4'-10"	38	STR												
A504	5	6'-0"	54	12	2'-4"	1'-4"	2'-4"									
A505	5	26'-5"	50	STR												
A506	5	28'-1"	50	STR												
A801	8	23'-3"	45	STR												
EC431	4	10'-1 1/2"	56	54	3"	4"	4'-9"	4"	3"	4"	4'-9"	4"	5 1/2"			
EC432	4	1'-10"	6	STR												
EC433	4	8'-2 3/4"	7	9	2'-8"	3'-5 3/4"	2'-1"					8 1/2"				
EC434	4	3'-9"	9	STR												
EC435	4	2'-7 1/2"	12	STR										1'-10"		
EC436	4	9'-0 1/2"	27	44	2'-2"	8"	1'-10 1/2"	4'-4"	0"							
EC437	4	20'-6"	12	STR												
EC531	5	1'-10"	8	STR												
EC532	5	22'-5 1/2"	10	STR												
EC533	5	2'-7 1/2"	10	STR												
EC534	5	20'-6"	10	STR												
EC631	6	1'-10"	4	STR												
EC632	6	22'-5 1/2"	13	STR												
EC633	6	2'-7 1/2"	4	STR												
EC634	6	20'-6"	4	STR												
SD1001	10	3'-6"	12	STR												1 1/4" DIA SMOOTH DOWEL, STAINLESS STEEL
F401	4	2'-9"	95	25	4 1/2"	2'-0"	4 1/2"									
EF501	5	4'-6"	126	STR												
F502	5	12'-6"	74	STR												
F503	5	57'-10 1/2"	28	STR												
F504	5	22'-3"	28	STR												
F505	5	20'-6"	28	STR												
F701	7	12'-6"	320	STR												



- E PREFIX INDICATES EPOXY COATED.
- "J" DIMENSIONS ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD HOOKS ARE TO BE USED.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 135° AND 180° HOOKS, AND "R" WHICH IS SHOWN TO THE INSIDE OF THE BAR.
- FOR REINFORCEMENT BAR FABRICATION DETAILS, REFER TO STANDARD DRAWING BC-736M.
- FIGURES IN CIRCLES DENOTE TYPE.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					



SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
ABUTMENT 1 BAR SCHEDULE - 1

RECOMMENDED 10 / 27 / 2022

SHEET 14 OF 54

S-36195

DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

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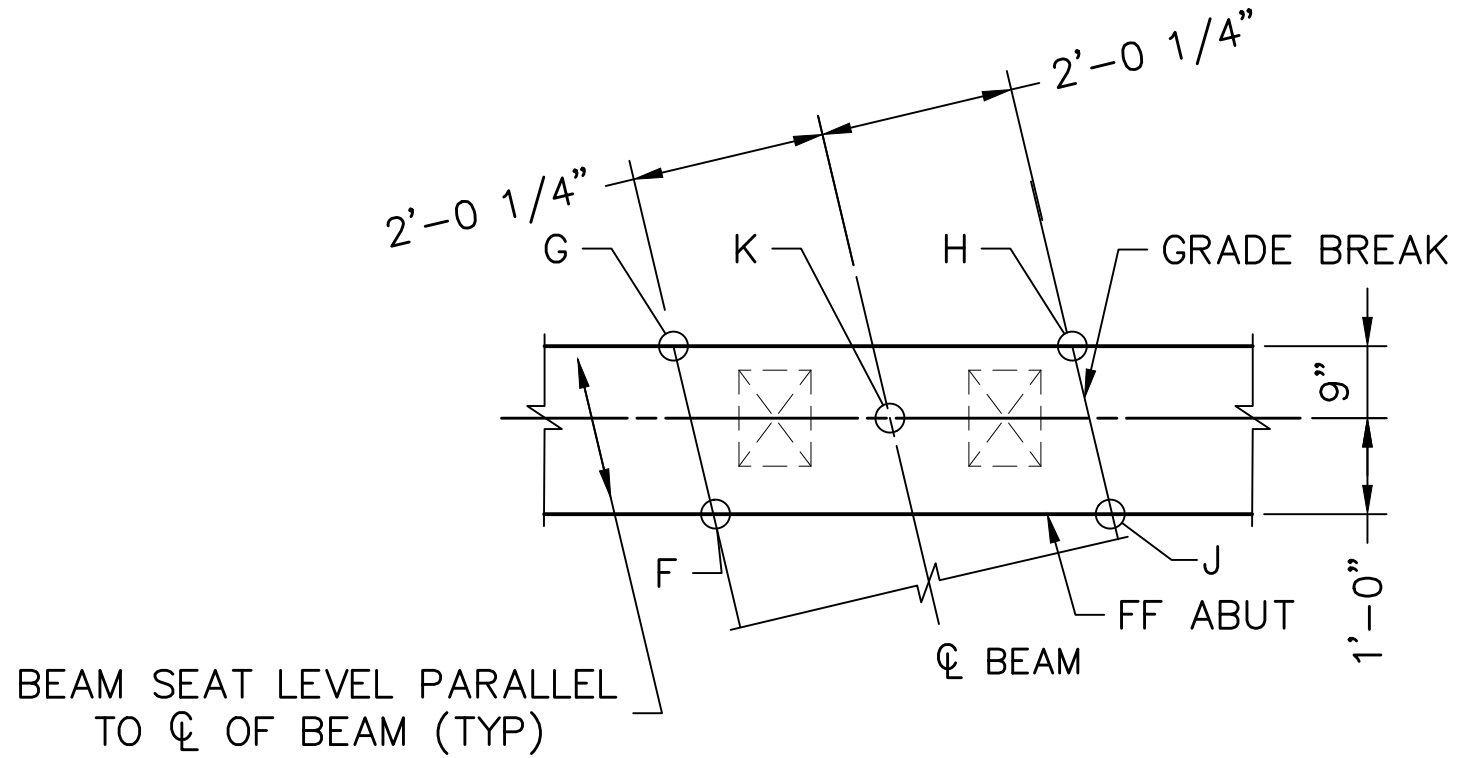
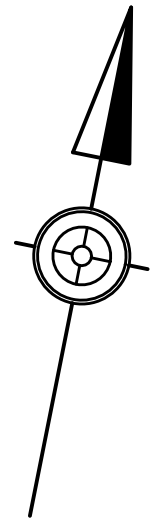
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|-----------|-------------|----|-------|--------|------|
| | | | | | |
| Mark | Description | By | Chk'd | Recm'd | Date |
| REVISIONS | | | | | |



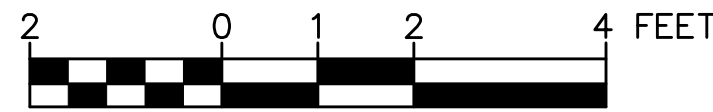
BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
ABUTMENT 1 BAR SCHEDULE - 2

SHEET 15 OF 54

DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB



TYPICAL BEARING AREA DETAIL



BEARING ELEVATIONS AT ABUTMENT 2					
	ELEVATION				
	F	G	H	J	K
BEAM 1	291.91	291.91	291.85	291.85	291.88
BEAM 2	291.87	291.87	291.81	291.81	291.84
BEAM 3	291.83	291.83	291.91	291.91	291.87
BEAM 4	291.93	291.93	292.01	292.01	291.97
BEAM 5	292.03	292.03	292.11	292.11	292.07
BEAM 6	292.13	292.13	292.21	292.21	292.17
BEAM 7	292.22	292.22	292.14	292.14	292.18
BEAM 8	292.16	292.16	292.07	292.07	292.11
BEAM 9	292.09	292.09	292.01	292.01	292.05
BEAM 10	292.02	292.02	291.94	291.94	291.98
BEAM 11	291.96	291.96	292.02	292.02	291.99
BEAM 12	292.03	292.03	292.09	292.09	292.06

LEGEND:

- FF FRONT FACE
RF REAR FACE
WP WORK POINT
CCNS CLOSED CELL NEOPRENE SPONGE
(BX) DESIGNATES BEAM NUMBER

NOTES:

- FOR GENERAL NOTES, SEE SHEET 3.
- FOR STAKE-OUT PLAN, SEE SHEET 5.
- FOR ADDITIONAL ABUT 2 DETAILS, SEE SHEETS 17-22.
- FOR ABUTMENT 2 REINFORCEMENT SCHEDULE, SEE SHEETS 23 & 24.
- FOR FRAMING PLAN, SEE SHEET 25.
- FOR FENCE PLAN, SEE SHEET 33.
- FOR UTILITIES DETAILS, SEE SHEETS 47 & 48.

Mark	Description	By	Chk'd	Rec'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

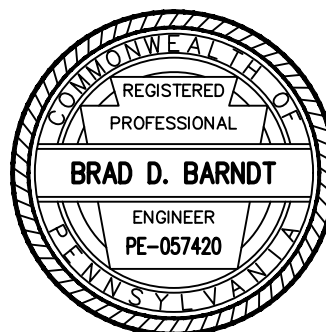
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
ABUTMENT 2 PLAN

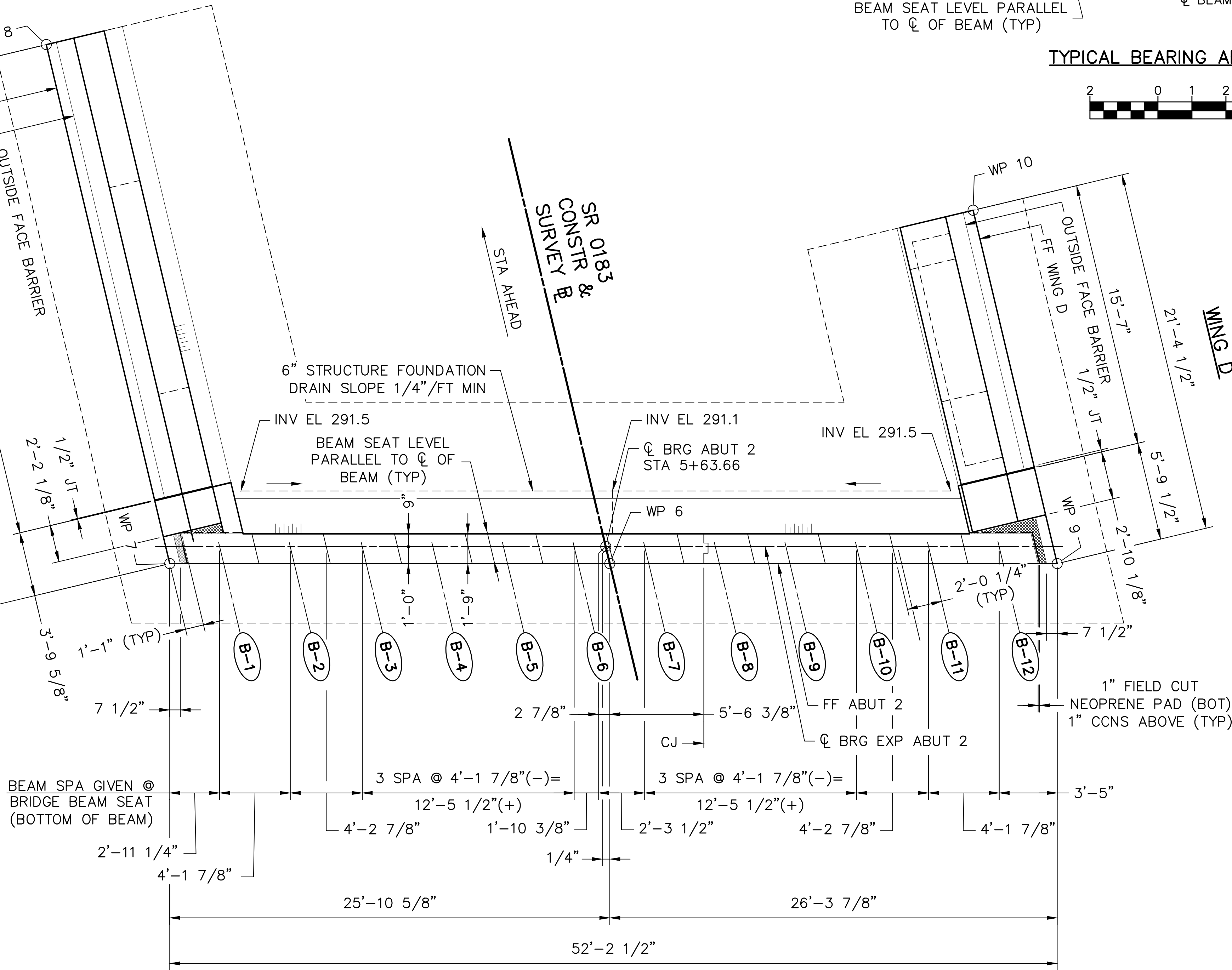
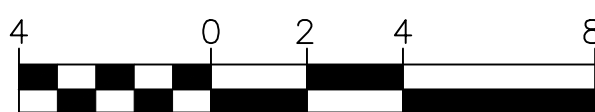
RECOMMENDED 10 / 27 / 2022

SHEET 16 OF 54

S-36195



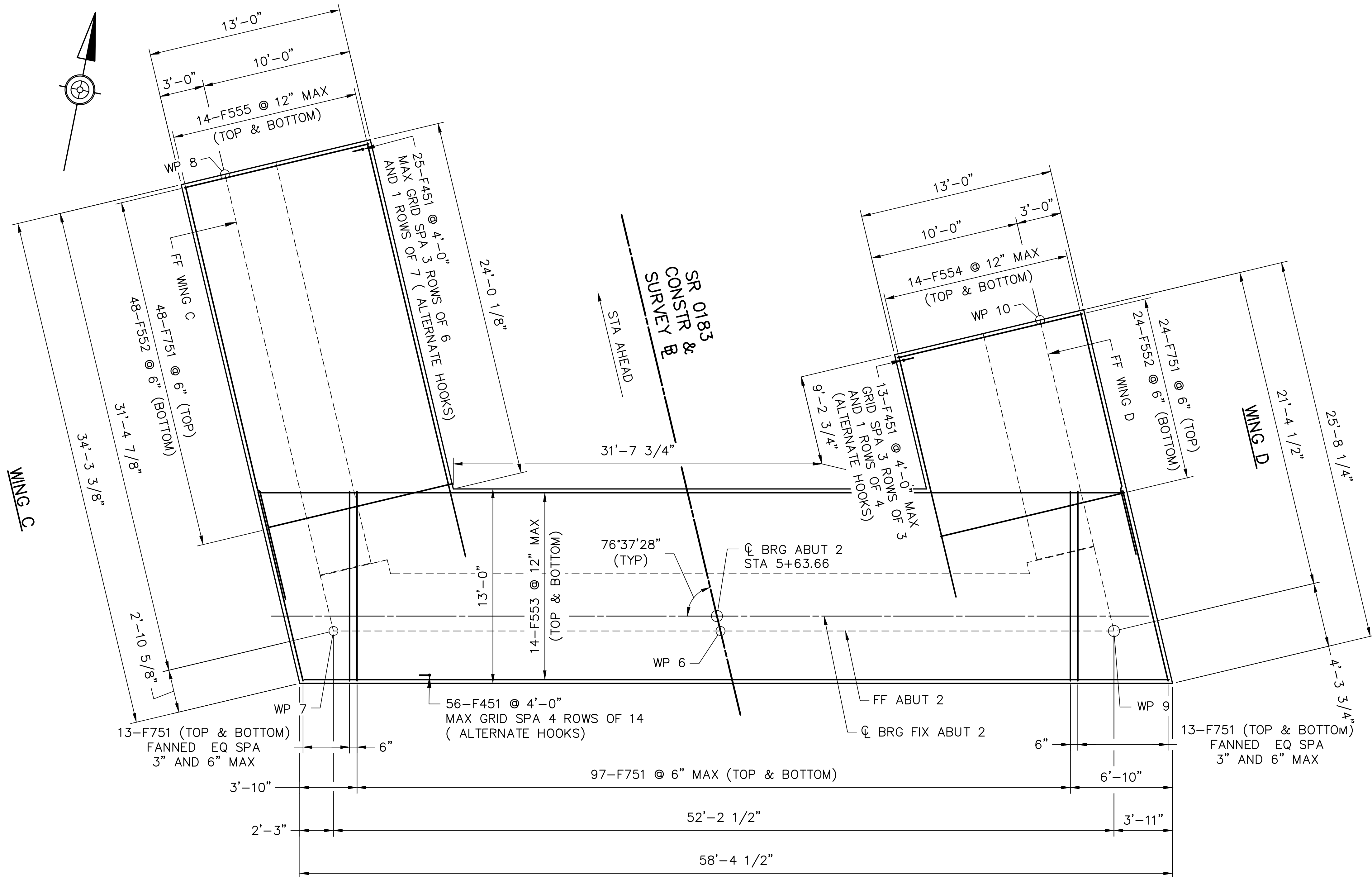
ABUTMENT 2 PLAN



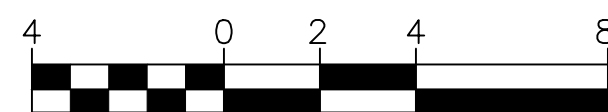
\\s01\0194\0194-04-SR_0183\DWG\CD2021\Bridg DWG\0194-04-SR0183-05B-FR-FINAL.dwg - ABUT 2 PLAN - 8/29/2022 3:00 PM

DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

\\VA01\01194\01194-04-SR 0183\DWG\CD2021\Bridg DWG\01194-04-SR0183-05B-FR-FINAL.dwg - ABUT 2 FOOTING - 8/29/2022 3:00 PM



ABUTMENT 2 FOOTING PLAN



FOUNDATION PRESSURES

ABUTMENT 2

- FACTORED BEARING RESISTANCE @ STRENGTH I = 32.0 KSF
- FACTORED SLIDING RESISTANCE @ STRENGTH I = 43.7 K/FT
- MAX. FACTORED BEARING PRESSURE @ STRENGTH I = 18.0 KSF
- MAX. FACTORED HORIZONTAL LOAD @ STRENGTH I = 30.3 K/FT

WING C

- FACTORED BEARING RESISTANCE @ STRENGTH I = 32.0 KSF
- FACTORED SLIDING RESISTANCE @ STRENGTH I = 39.8 K/FT
- MAX. FACTORED BEARING PRESSURE @ STRENGTH I = 13.5 KSF
- MAX. FACTORED HORIZONTAL LOAD @ STRENGTH I = 28.7 K/FT

WING D

- FACTORED BEARING RESISTANCE @ STRENGTH I = 32.0 KSF
- FACTORED SLIDING RESISTANCE @ STRENGTH I = 41.1 K/FT
- MAX. FACTORED BEARING PRESSURE @ STRENGTH I = 14.9 KSF
- MAX. FACTORED HORIZONTAL LOAD @ STRENGTH I = 28.0 K/FT

LEGEND:

FF FRONT FACE
WP WORK POINT

NOTES:

1. FOR STAKE-OUT PLAN, SEE SHEET 5.
2. FOR ADDITIONAL ABUT 2 DETAILS, SEE SHEETS 17, & 19-23.
3. FOR ABUTMENT 2 REINFORCEMENT SCHEDULE, SEE SHEETS 23 & 24.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID: 06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY: 69241

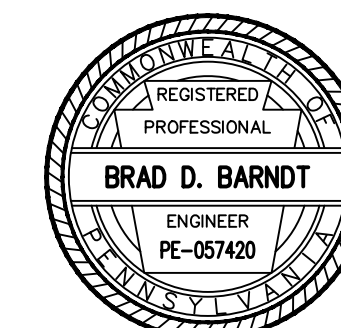
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
ABUTMENT 2 FOOTING PLAN

RECOMMENDED 10 / 27 / 2022

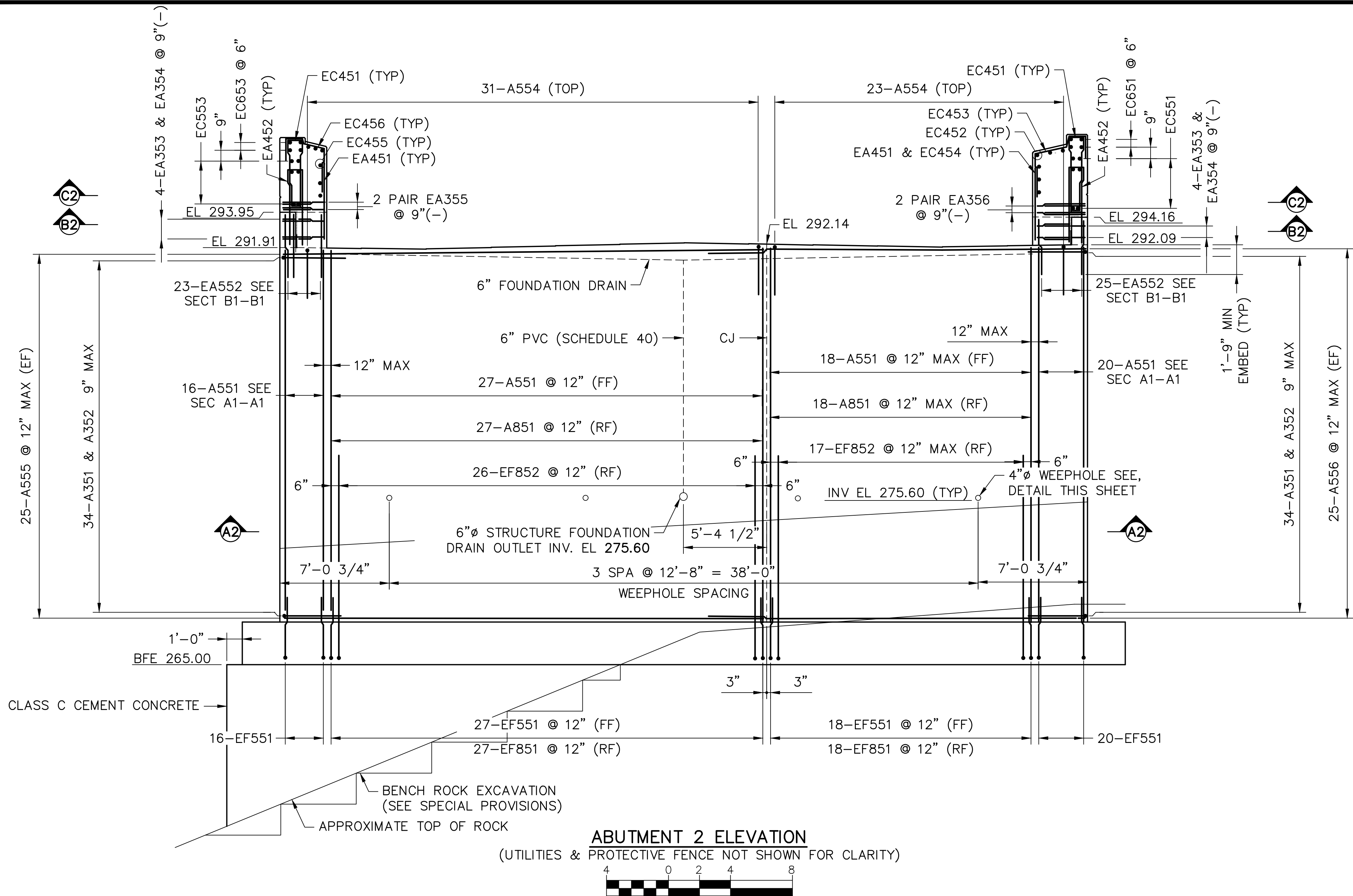
SHEET 17 OF 54

S-36195



DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

\\s01\01194\01194-04 - SR 0183\DWG\CD2021\Bridg DWG\01194-04-SR0183-05B-FR-FINAL.dwg - ABUT 2 ELEV - 8/29/2022 3:00 PM



LEGEND:

- FF FRONT FACE
RF REAR FACE
EF EACH FACE
CJ CONSTRUCTION JOINT
CCNS CLOSED CELL NEOPRENE SPONGE
PCP PREFORMED CELLULAR POLYSTYRENE
PVC POLYVINYL CHLORIDE PIPE

NOTES:

1. FOR STAKE-OUT PLAN, SEE SHEET 5.
2. FOR ADDITIONAL ABUT 2 DETAILS, SEE SHEETS 16, 17, & 19-22.
3. FOR ABUTMENT 2 REINFORCEMENT SCHEDULE, SEE SHEETS 23 & 24.
4. FOR UTILITIES DETAILS, SEE SHEETS 47 & 48.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

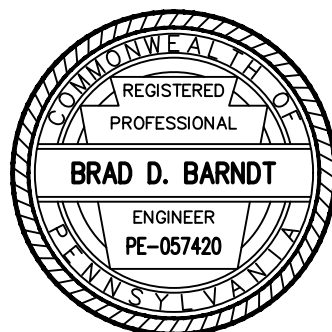
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
ABUTMENT 2 ELEVATION

RECOMMENDED 10 / 27 / 2022

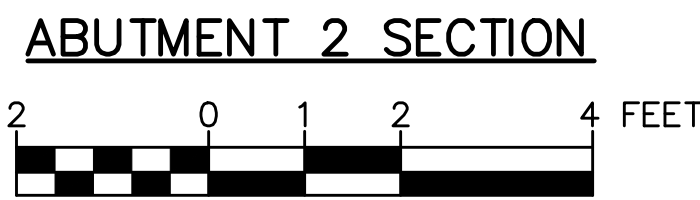
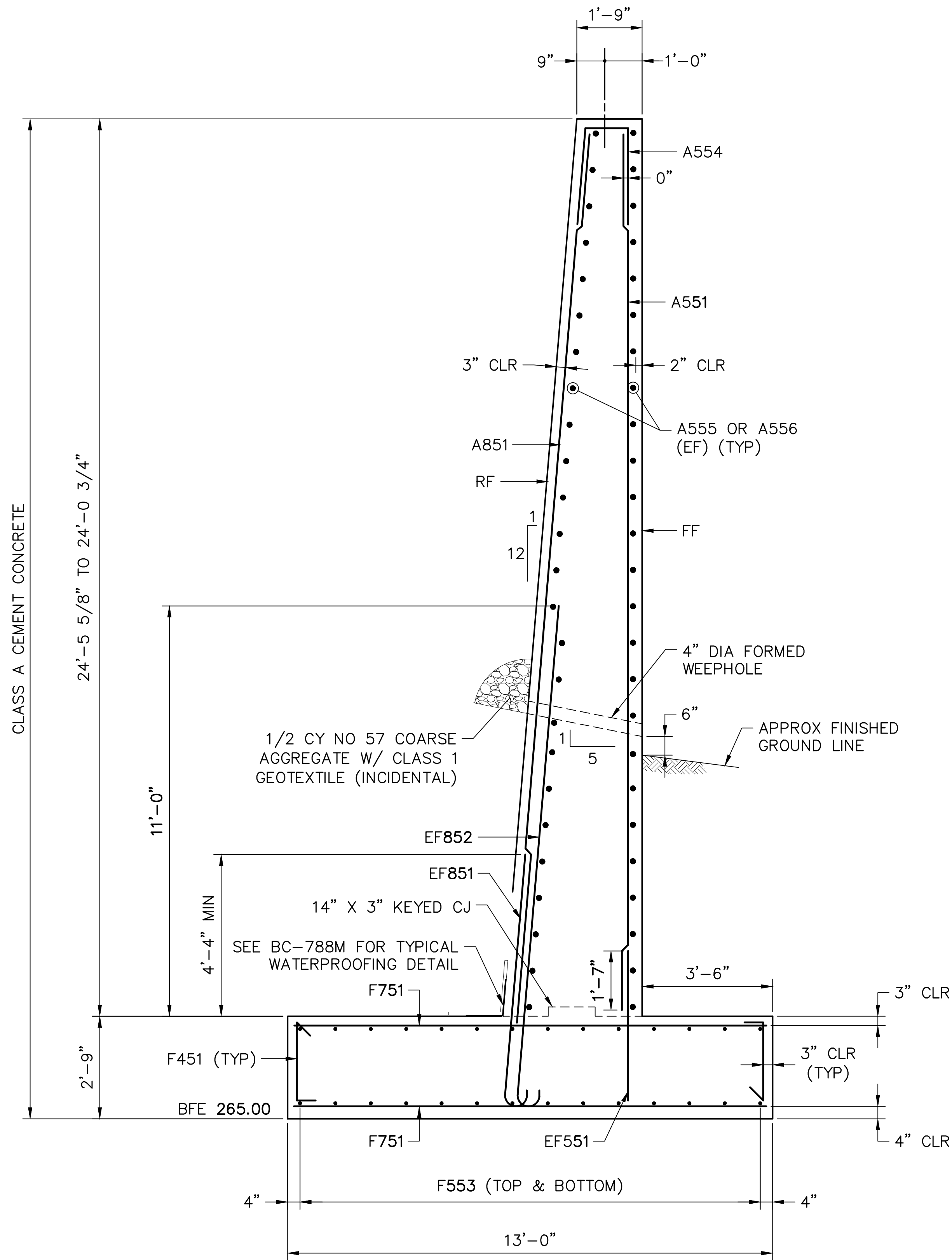
SHEET 18 OF 54

S-36195



DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

\\s01\01194\01194-04-SR_0183\DWG\CD2022\Bridg DWG\01194-04-SR0183-05B-FR-FINAL.dwg - ABUT 2 SECT - 8/28/2022 3:00 PM



LEGEND:

- FF FRONT FACE
RF REAR FACE
EF EACH FACE
CJ CONSTRUCTION JOINT

NOTES:

1. FOR ADDITIONAL ABUT 2 DETAILS, SEE SHEETS 16 THRU 18, 20, 21, & 22.
4. FOR ABUTMENT 2 REINFORCEMENT SCHEDULE, SEE SHEETS 23 & 24.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

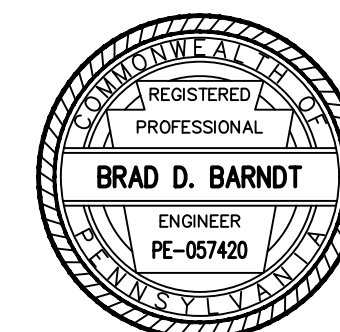
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
ABUTMENT 2 TYPICAL SECTION

RECOMMENDED 10 / 27 / 2022

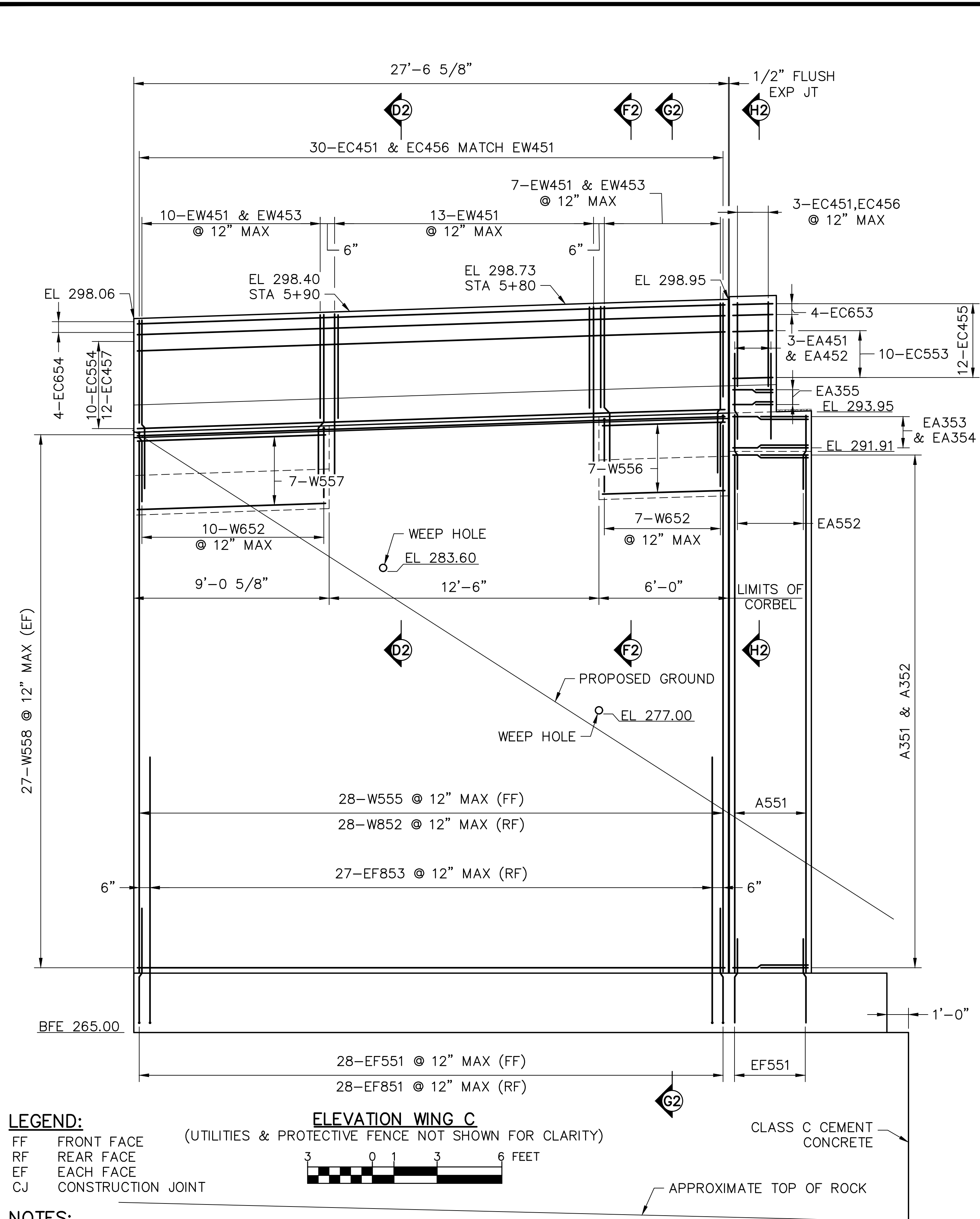
SHEET 19 OF 54

S-36195



DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

\\s01\0194\01194-04 - SR 0183\DWG3\CD2012\Bridg DWG\01194-04-SR0183-05B-FR-FINAL.dwg - WING C - 8/29/2022 3:00 PM



LEGEND:

FF FRONT FACE
RF REAR FACE
EF EACH FACE
CJ CONSTRUCTION JOINT

ELEVATION WING C

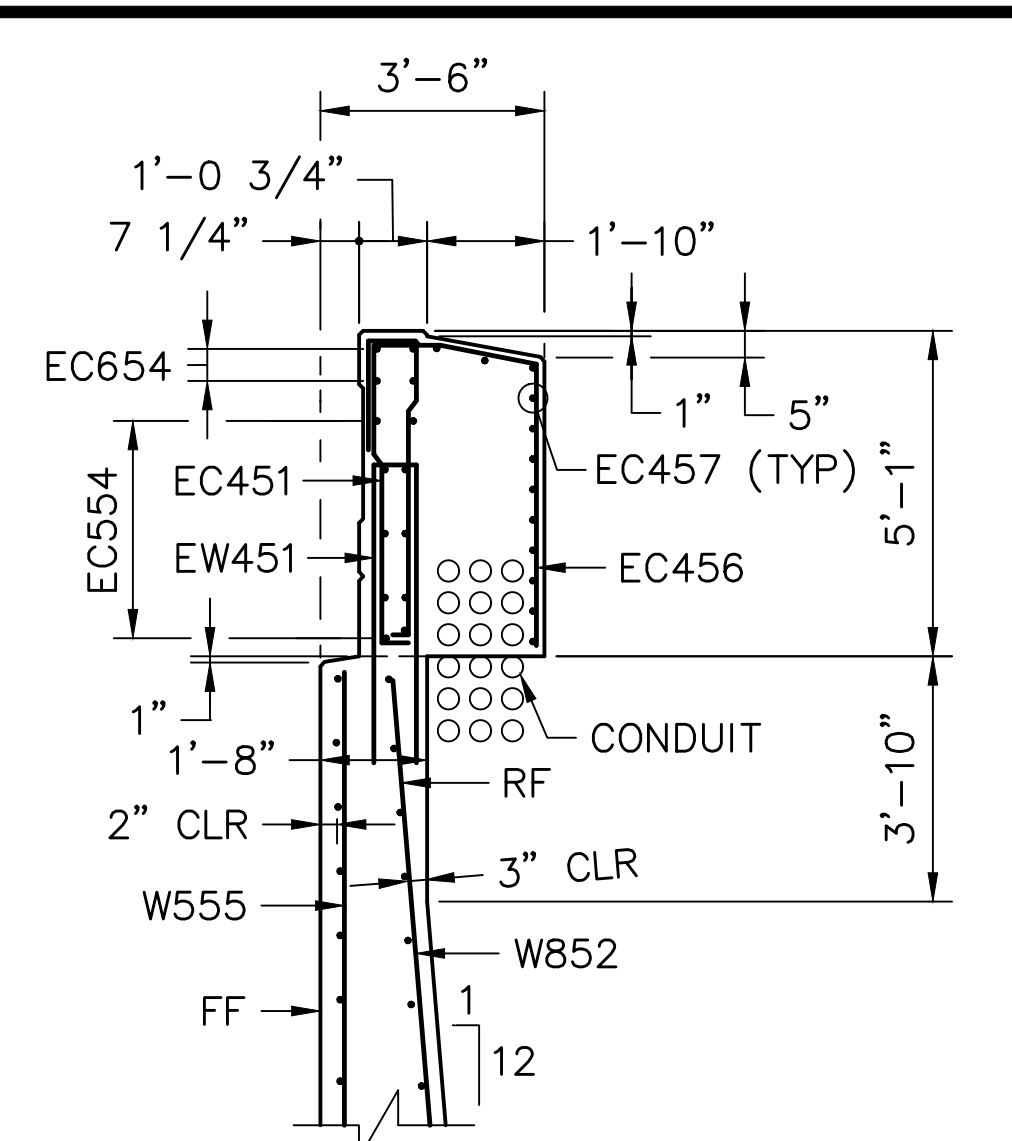
(UTILITIES & PROTECTIVE FENCE NOT SHOWN FOR CLARITY)



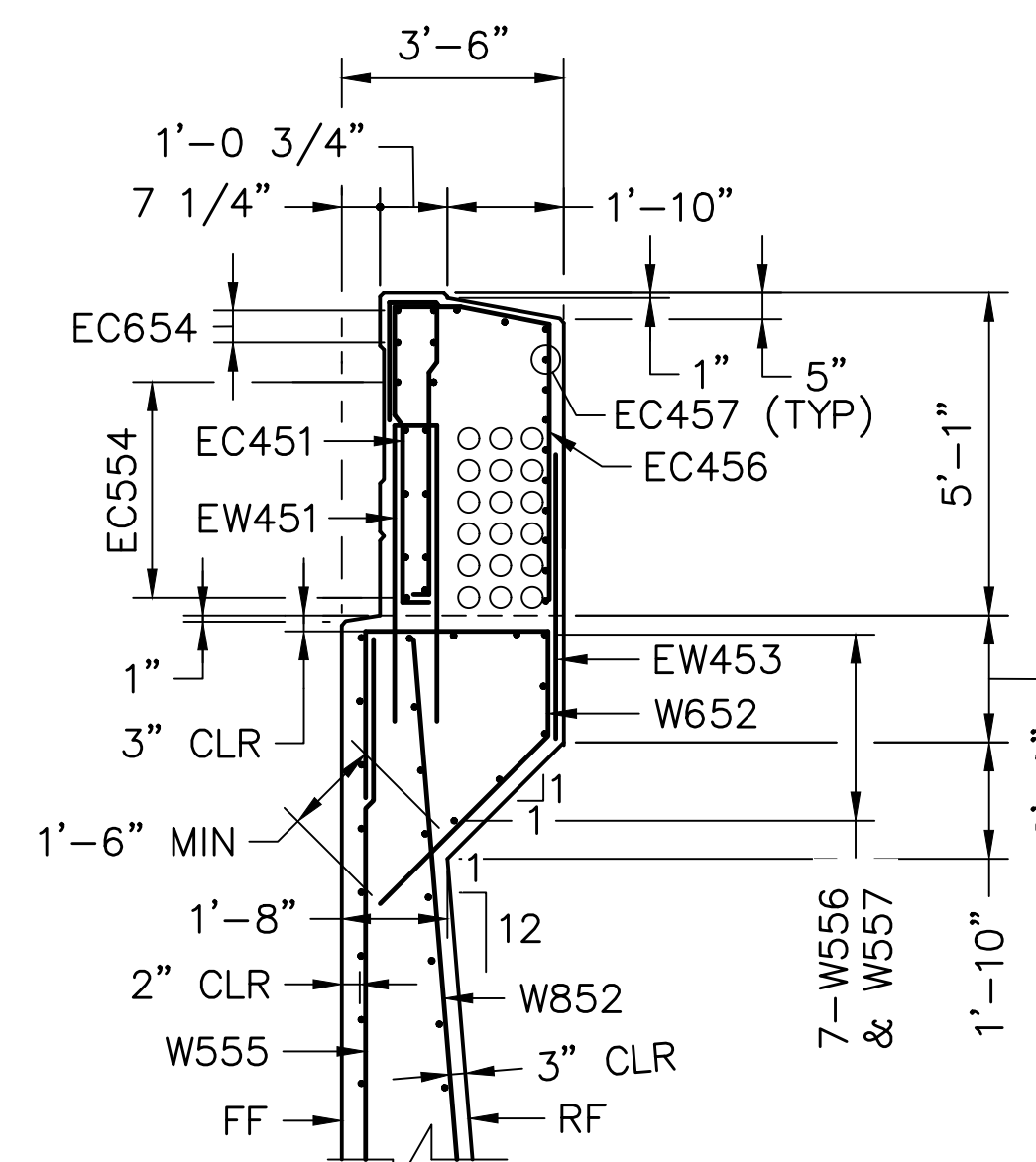
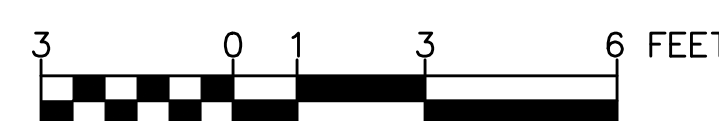
NOTES:

- FOR GENERAL NOTES, SEE SHEET 2.
- FOR ADDITIONAL ABUT 2 DETAILS, SEE SHEETS 16 THRU 20, & 22.
- FOR ABUTMENT 2 REINFORCEMENT SCHEDULE, SEE SHEETS 23 & 24.
- FOR UTILITIES DETAILS, SEE SHEETS 47 & 48.
- FOR PROTECTIVE FENCE POST SPACING, SEE SHEET 33.

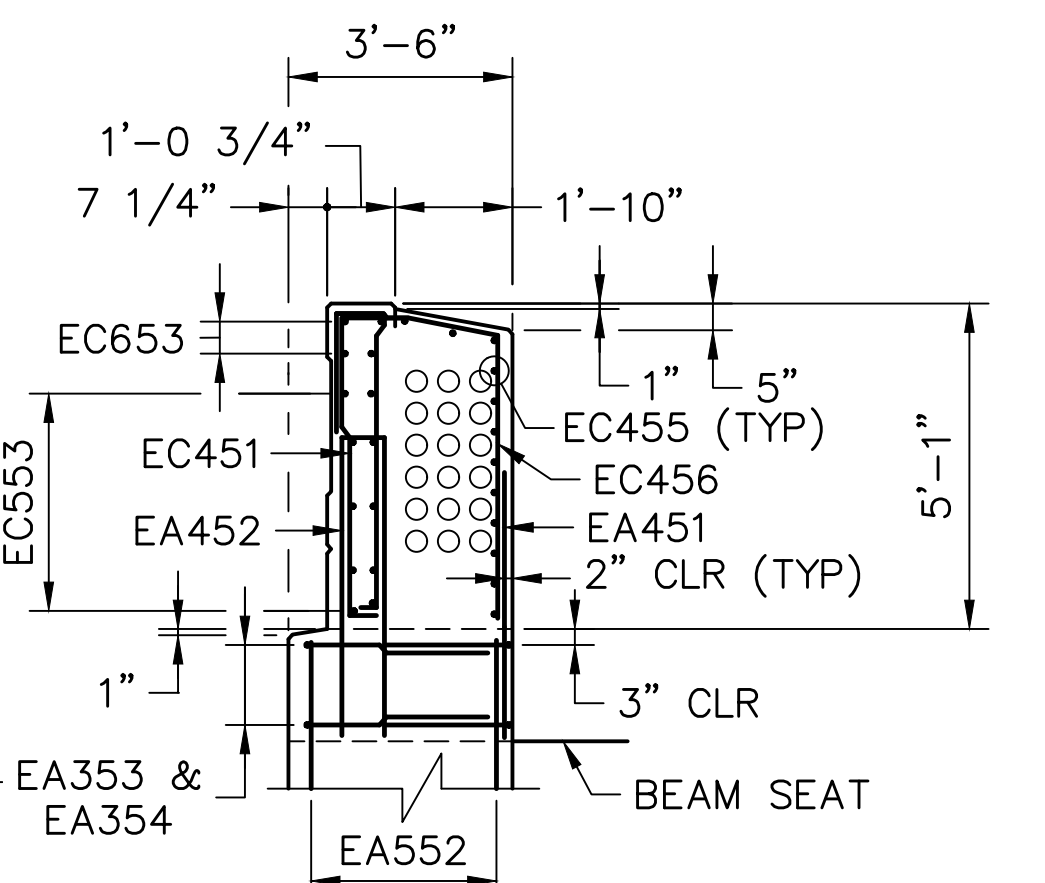
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DWG:	JTP	CHK'D:	BDB



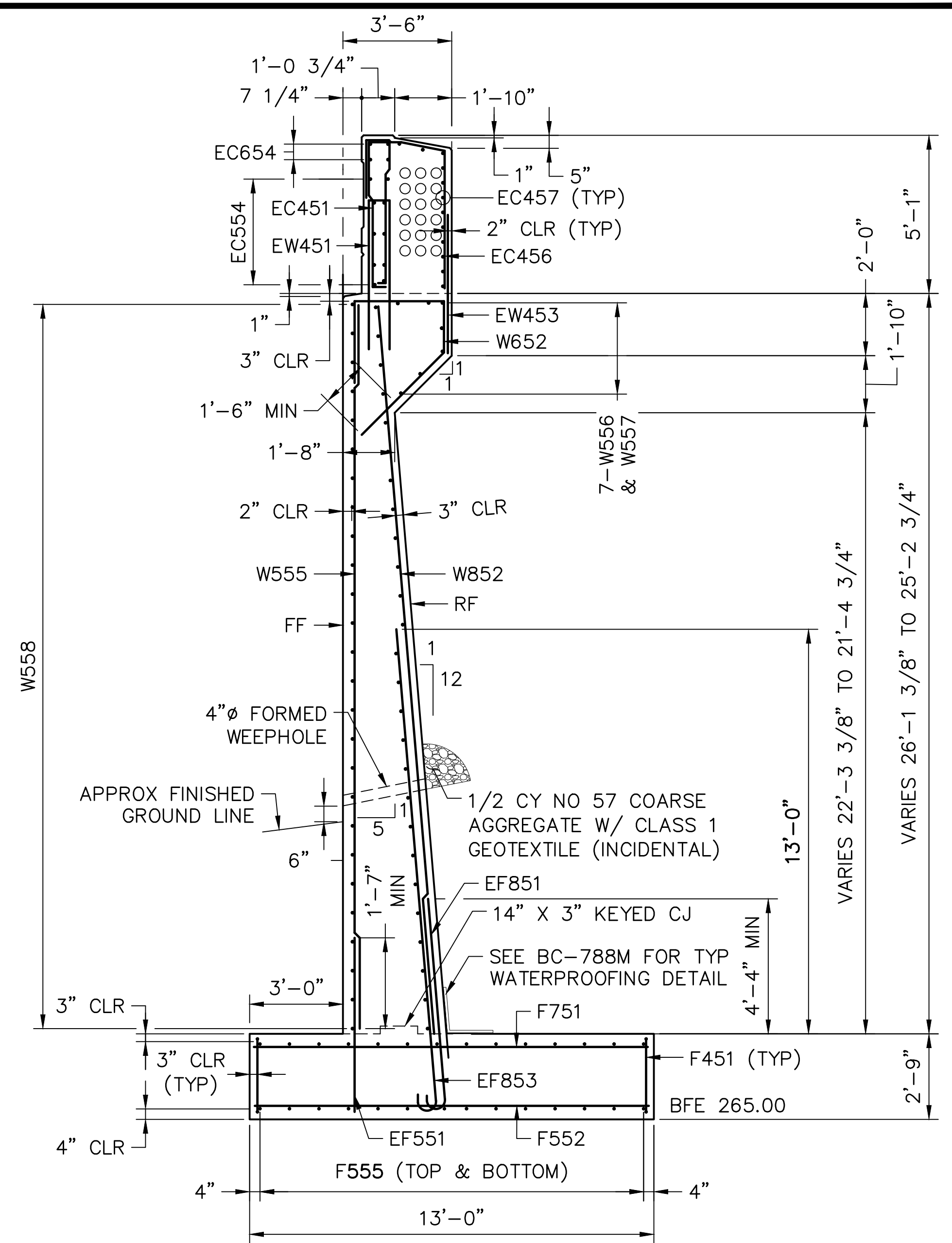
SECTION D2-D2



SECTION F2-F2



SECTION H2-H2



SECTION G2-G2



Mark	Description	By	Chk'd	Rec'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID: 06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY: 69241

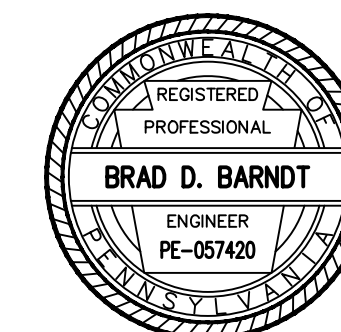
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
WING C ELEVATION & SECTIONS

RECOMMENDED 10 / 27 / 2022

SHEET 21 OF 54

S-36195



DES: TML	CHK'D: BDB
DWG: JTP	CHK'D: BDB



Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
WING D ELEVATION & SECTIONS

RECOMMENDED 10 / 27 / 2022

SHEET 22 OF 54

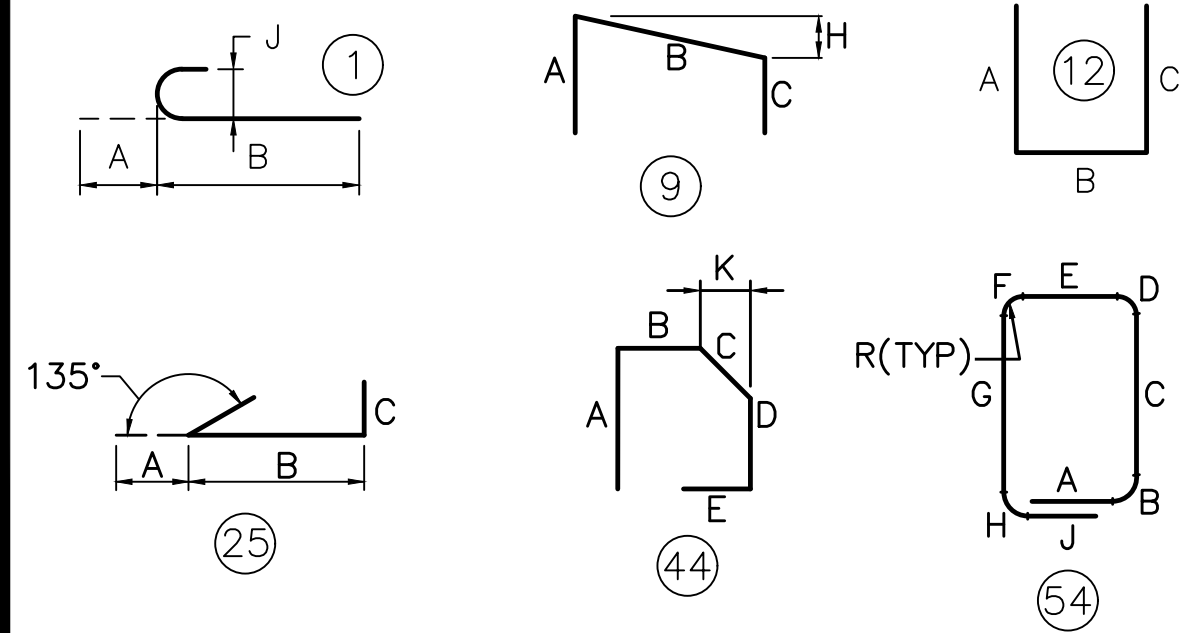
S-36195

\\VA01\01194\01194-04_SR_0183\DWG\CD\2012\Bridg DWG\01194-04-SR0183-05B-RR-FINAL.dwg - ABOUT 2 BAR SCHEDULE - 8/29/2022 3:01 PM

REINFORCEMENT BAR SCHEDULE

MARK	SIZE	LENGTH	QTY	TYPE	A	B	C	D	E	F	G	H	J	K	R	REMARKS
A351	3	10'-7"	68	12	3'-1"	4'-1 1/4"	3'-4 3/4"									
A352	3	5'-4"	68	9	1'-8"	3'-8"	0"					10 3/4"				
EA353	3	9'-9 1/2"	8	STR												BEND IN FIELD
EA354	3	10'-0"	8	STR												BEND IN FIELD
EA355	3	6'-9"	4	STR												BEND IN FIELD
EA356	3	8'-4"	4	STR												BEND IN FIELD
EA451	4	5'-2"	7	STR												
EA452	4	11'-0"	7	12	5'-2"	8"	5'-2"									
A453	4	4'-0"	64	STR												
A551	5	23'-7 1/2"	81	STR												
EA552	5	4'-0"	48	STR												
A554	5	6'-0"	54	12	2'-4"	1'-4"	2'-4"									
A555	5	35'-0"	50	STR												
A556	5	20'-5 1/2"	50	STR												
A851	8	23'-10 1/2"	45	STR												
EC451	4	11'-9 1/2"	55	54	3"	4"	4'-9"	4"	3"	4"	4'-9"	4"	5 1/2"			
EC452	4	2'-6"	6	STR												
EC453	4	8'-2 3/4"	8	9	2'-8"	3'-5 3/4"	2'-1"					8 1/2"				
EC454	4	3'-9"	9	STR												
EC455	4	1'-10"	12	STR											1'-10"	
EC456	4	9'-0 1/2"	33	44	2'-2"	8"	1'-10 1/2"	4'-4"	0"							
EC457	4	27'-2 1/2"	12	STR												
EC551	5	2'-6"	8	STR												
EC552	5	15'-2 1/2"	10	STR												
EC553	5	1'-10"	10	STR												
EC554	5	27'-2 1/2"	10	STR												
EC651	6	2'-6"	4	STR												
EC652	6	15'-2 1/2"	13	STR												
EC653	6	1'-10"	4	STR												
EC654	6	27'-2 1/2"	4	STR												
F451	4	3'-0"	94	25	4 1/2"	2'-3"	4 1/2"									
EF551	5	4'-8"	125	STR												
F552	5	12'-6"	72	STR												
F553	5	57'-10 1/2"	28	STR												
F554	5	15'-2 1/2"	28	STR												
F555	5	27'-2 1/2"	28	STR												
F751	7	12'-6"	318	STR												
EF851	8	8'-2"	89	1	11"	7'-3"							8"		3"	
EF852	8	14'-5"	43	1	11"	13'-6"							8"		3"	
EF853	8	16'-5"	42	1	11"	15'-6"							8"		3"	

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241



- E PREFIX INDICATES EPOXY COATED.
- "J" DIMENSIONS ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD HOOKS ARE TO BE USED.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 135° AND 180° HOOKS, AND "R" WHICH IS SHOWN TO THE INSIDE OF THE BAR.
- FOR REINFORCEMENT BAR FABRICATION DETAILS, REFER TO STANDARD DRAWING BC-736M.
- FIGURES IN CIRCLES DENOTE TYPE.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
ABUTMENT 2 BAR SCHEDULE - 1

RECOMMENDED 10 / 27 / 2022

SHEET 23 OF 54

S-36195

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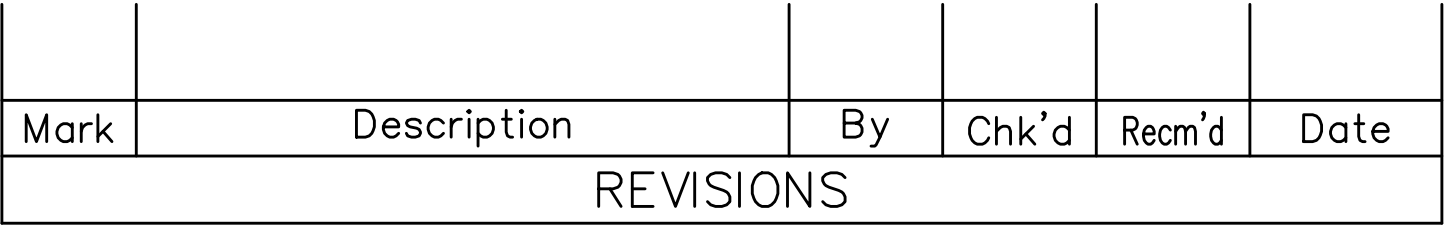
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

RECOMMENDED 10 / 27 / 2022 SHEET 24 OF 54

-
- COMMONWEALTH OF PENNSYLVANIA
REGISTERED PROFESSIONAL
BRAD D. BARNDT
ENGINEER
PE-057420

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

DES: TML	CHK'D: BDB
DWG: JTP	CHK'D: BDB



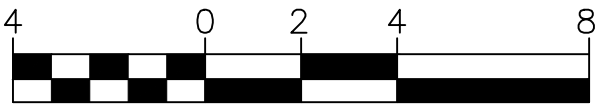
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
FRAMING PLAN

SHEET 25 OF 54

S-36195

FRAMING PLAN



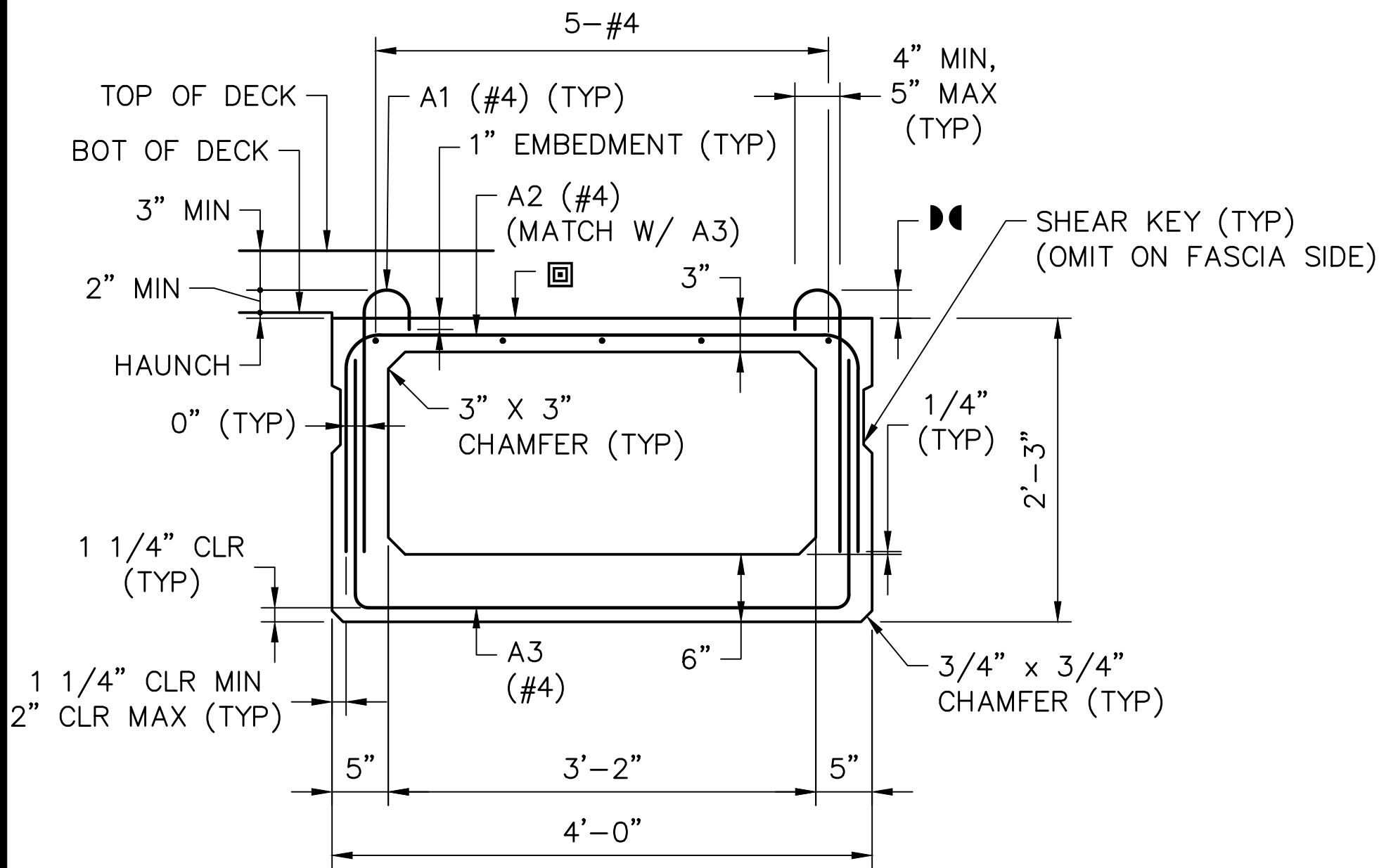
1. FOR GENERAL NOTES, SEE SHEET 3.
2. FOR TYPICAL SECTION, SEE SHEET 2.
3. FOR BEAM DETAILS, SEE SHEETS 26 THRU 29.
4. FOR SLAB PLAN, SEE SHEET 30.



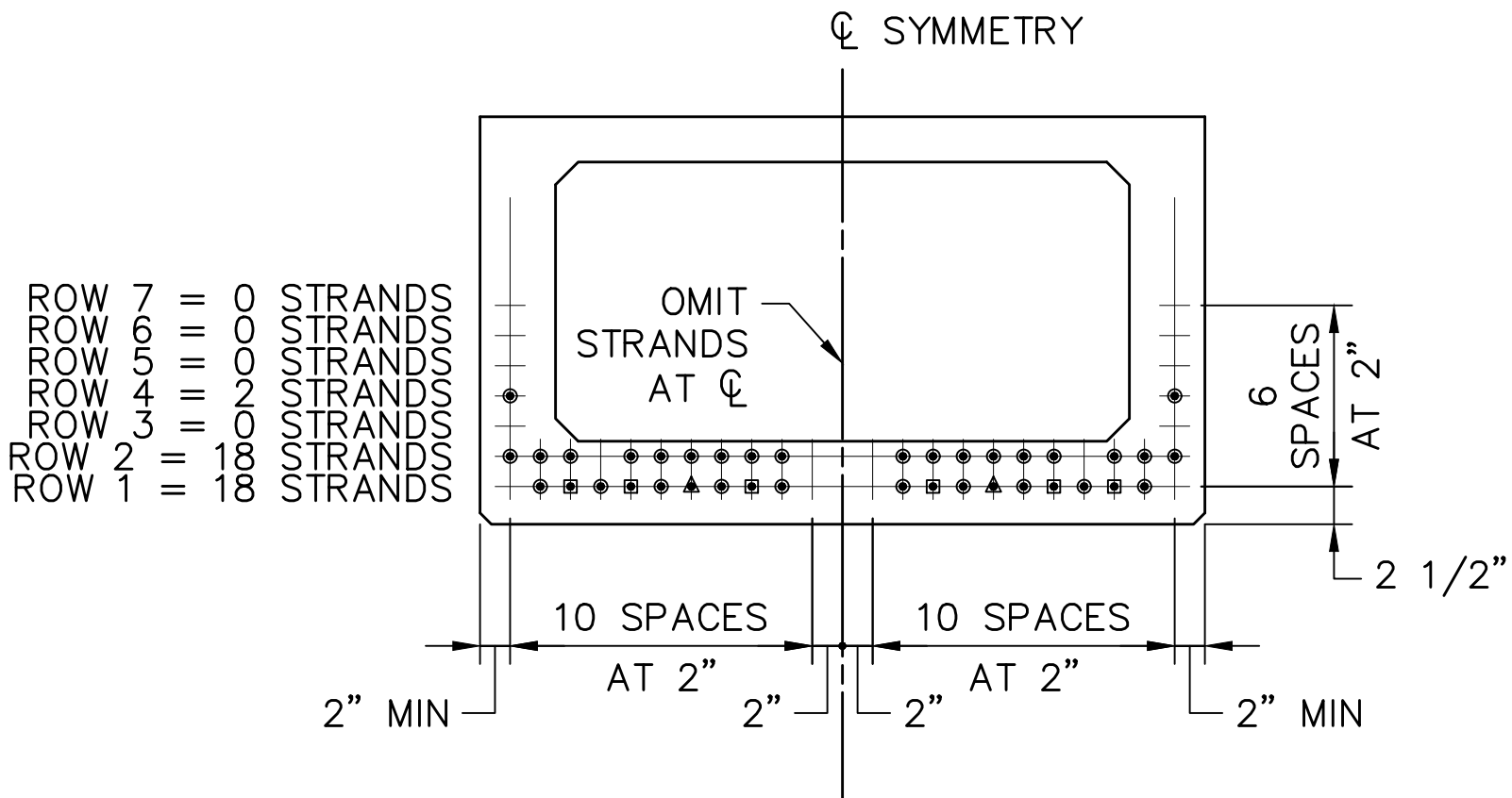
DES: TML	CHK'D: BDB
DWG: JTP	CHK'D: BDB

\\VA01\0194\0194-04-SR-0183\DWGS\CAD\2022\Bridg DWG\0194-04-SR0183-05B-FR-FINAL.dwg - BEAM 1 - 8/29/2022 3:01 PM

BEAM DATA	
CENTER OF GRAVITY OF STRANDS	3.76" MIDSPAN
	4.10" $\bar{C}$ BEARING
f'_{ci}	6.8 KSI
f'_c	8.0 KSI
JACKING FORCE	1285.1 KIP



48/27 TYPICAL BEAM SECTION



48/27 TYPICAL STRAND PATTERN

GENERAL PRESTRESSING NOTES:

- PRESTRESSING STRANDS SHALL BE SPECIAL LOW-RELAXATION OF 270 KSI ULTIMATE STRENGTH 0.520" DIAMETER, 0.167 in² AREA.
- EPOXY COAT ALL REINFORCEMENT FOR A DISTANCE OF 9 FEET FROM BEAM ENDS AND EPOXY COAT ALL REINFORCEMENT WHICH PROTRUDES INTO BRIDGE DECK FROM TOP OF BEAMS.
- END ZONE REINFORCEMENT MAY BE INCREASED BY FABRICATOR TO REFLECT FABRICATOR'S EXPERIENCE AND/OR TO CONTROL CRACKING. WIRE MESH OF EQUIVALENT AREA IS PERMISSIBLE FOR CRACK CONTROL REINFORCEMENT. SHOW ANY ADDITIONAL REINFORCEMENT ON THE SHOP DRAWINGS.
- SHOW THE FOLLOWING DATA ON THE SHOP DRAWINGS:
 - DESIGN AND CASTING LENGTHS.
 - PLAN, ELEVATIONS, SECTIONS AND ALL REINFORCEMENT DETAILS.
 - ANY MODIFICATIONS TO REINFORCEMENT SPLICE AND BENDING DETAILS.
 - SIZE AND LOCATION OF TEMPORARY STORAGE SUPPORTS.
 - TYPE AND LOCATION OF BRACING AND TEMPORARY SUPPORTS USED FOR TRANSPORTATION AND THE ERECTION OF BEAMS.
- END REINFORCEMENT SPACING MAY BE REDUCED AS REQUIRED TO SATISFY SHEAR REINFORCEMENT REQUIREMENTS, BUT DO NOT REDUCE THE MINIMUM AREA TO BE REINFORCED.
- FABRICATOR TO CHECK STABILITY FOR HANDLING AND TRANSPORTATION OF THE MEMBERS.
- MINIMUM COVER ON REINFORCEMENT AS FOLLOWS:
TOP SLAB = 1" (COMPOSITE)
INSIDE VOID = 1"
ELSEWHERE = 2" UNLESS NOTED OTHERWISE
- ENDS OF BEAMS TO BE ERECTED POSITION.
- DEBONDING FOR CRACK CONTROL AS PER PUB 408/2020 HAS NOT BEEN CONSIDERED IN THE DESIGN. FABRICATOR TO INDICATE CRACK CONTROL DETAILS AT THE SHOP DRAWING STAGE.

LEGEND:

- = TO BE DETAILED ON SHOP DRAWINGS
- = TOP SURFACE OF ALL BEAMS SHALL HAVE A "STIFF BROOM" FINISH TRANSVERSELY.
- = MEASURED NORMAL TO $\bar{C}$ BEARING.

STRAND PATTERN LEGEND:

- = FULLY BONDED
- = DEBOND 4'-9" FROM $\bar{C}$ BEARING
- = DEBOND 5'-9" FROM $\bar{C}$ BEARING

NOTES:

- FOR ADDITIONAL BEAM DETAILS, SEE SHEETS 27 THRU 29.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
BEAM DETAILS 1

RECOMMENDED 10 / 27 / 2022

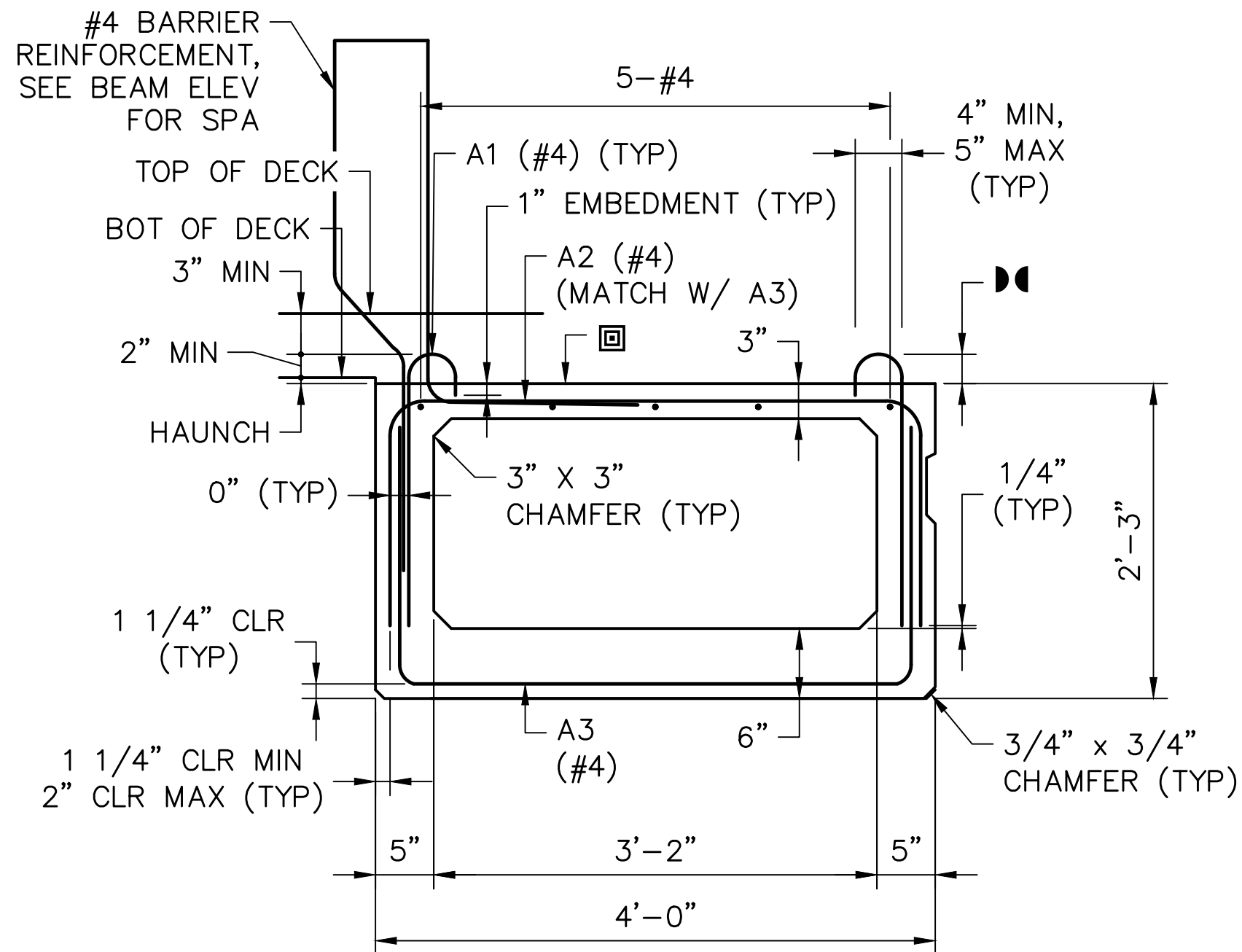
SHEET 26 OF 54

S-36195

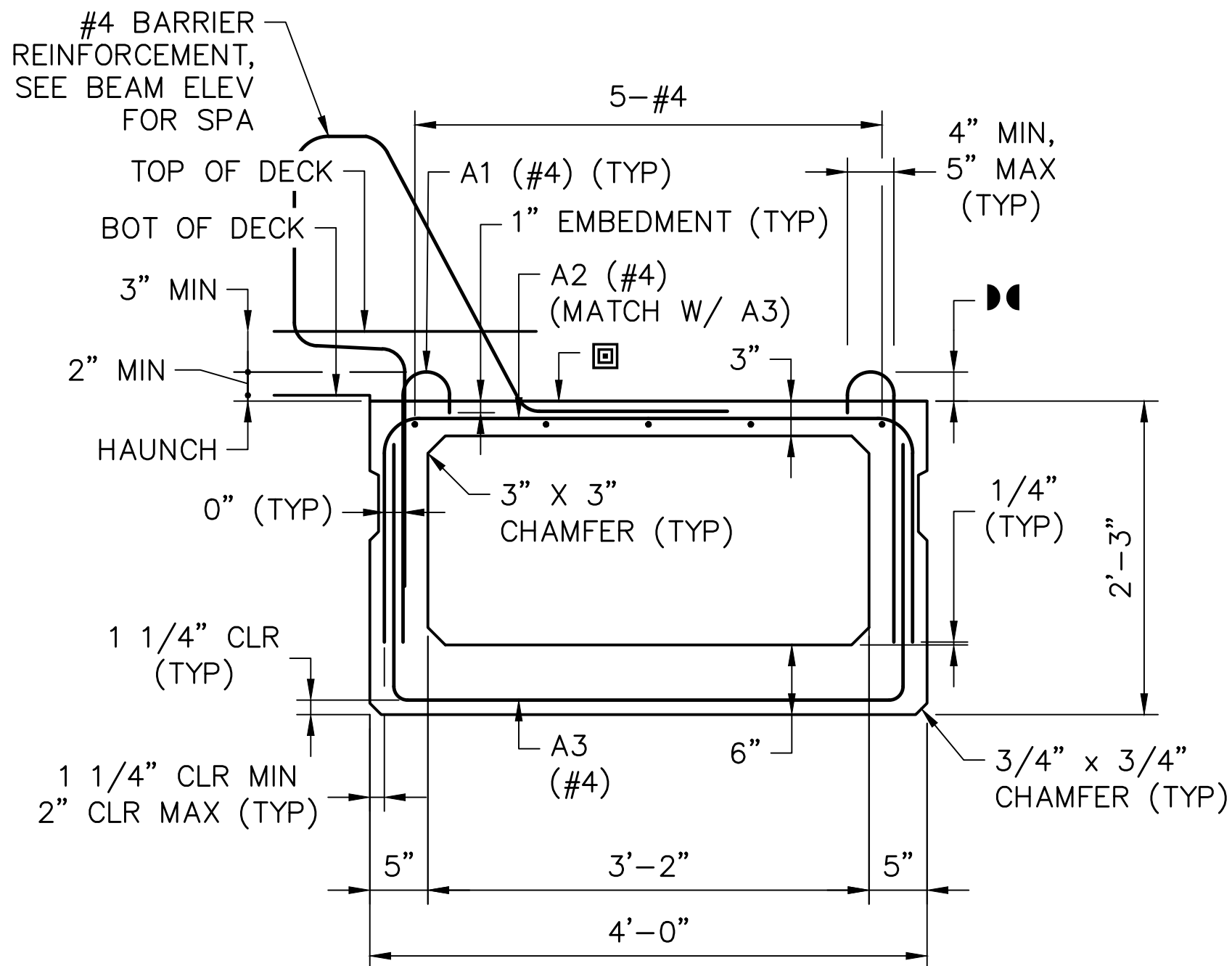


DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

\\s01\01194\01194-04 - SR 0183\DWG3\CD2013\bridge DWG\01194-04-SR0183-05B-FR-FINAL.dwg - BEAM 2 - 8/29/2022 3:01 PM

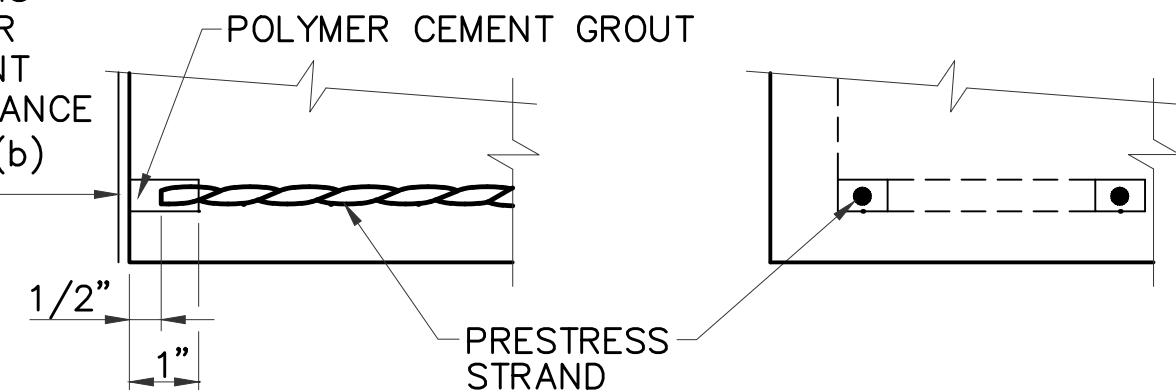


48/27 BEAM 1 SECTION
(BEAM 1 SHOWN; BEAM 12 SAME BUT OPPOSITE HAND)



48/27 BEAM 3
(BEAM 3 SHOWN; BEAM 10 SAME BUT OPPOSITE HAND)

PAINT ENDS OF BEAMS
WITH EPOXY RESIN OR
APPROVED EQUIVALENT
MATERIAL IN ACCORDANCE
WITH SECTION 1019.2(b)
OF PUB. 408.



GROUTED RECESS FOR STRANDS AT BEAM ENDS

SCALE: NONE

NOTES:

- RECESS CAN BE MADE FOR A SINGLE STRAND OR A GROUP OF STRANDS.
- PAINT BEAM ENDS WITH EPOXY RESIN PRIOR TO SHIPMENT OR STORAGE.
- CLEAN THE STRANDS FROM ALL FOREIGN MATERIALS SUCH AS RUST, SLAG, ETC. PRIOR TO APPLICATION OF POLYMER CEMENT GROUT OR EPOXY RESIN.

LEGEND:

- ◀▶ = TO BE DETAILED ON SHOP DRAWINGS
- ◻ = TOP SURFACE OF ALL BEAMS SHALL HAVE A "STIFF BROOM" FINISH TRANSVERSELY.

NOTES:

1. FOR ADDITIONAL BEAM DETAILS, SEE SHEETS 26, 28, & 29.

EXTERIOR BEAM SECTION PROPERTIES			
48" X 27" PRESTRESSED ADJACENT BOX BEAMS	NON-COMPOSITE	COMPOSITE	
		GROSS	TRANSFORMED
DEPTH (INCH)	27.00	—	—
AREA (INCH ²)	617.20	—	—
N.A. (BOTTOM) (INCH)	11.74	16.35	16.26
MOMENT OF INERTIA (INCH ⁴)	57311	110040	110935
SECTION MOD. (TOP OF SLAB) (INCH ³)	—	6565	6584
SECTION MOD. (TOP) (INCH ³)	3756	10333	10331
SECTION MOD. (BOTTOM) (INCH ³)	4881	6730	6822

INTERIOR BEAM SECTION PROPERTIES			
48" X 27" PRESTRESSED ADJACENT BOX BEAMS	NON-COMPOSITE	COMPOSITE	
		GROSS	TRANSFORMED
DEPTH (INCH)	27.00	—	—
AREA (INCH ²)	617.20	—	—
N.A. (BOTTOM) (INCH)	11.74	15.57	15.49
MOMENT OF INERTIA (INCH ⁴)	57311	99645	100431
SECTION MOD. (TOP OF SLAB) (INCH ³)	—	6066	6082
SECTION MOD. (TOP) (INCH ³)	3756	8720	8722
SECTION MOD. (BOTTOM) (INCH ³)	4881	6399	6485

UNFACTORED BEAM SHEARS (KIPS)		
LOAD	INTERIOR	EXTERIOR
NON-COMPOSITE DEAD LOAD (DL1)	39.13	41.68
COMPOSITE DEAD LOAD (DL2)	20.62	20.13
FUTURE WEARING SURFACE (FWS)	3.53	3.53
POSITIVE LIVE LOAD PLUS IMPACT (PHL-93)	54.58	60.82
POSITIVE LIVE LOAD PLUS IMPACT (P-82)	84.04	93.65
POSITIVE LIVE LOAD PLUS IMPACT (P2016-13)	88.02	98.08

UNFACTORED BEAM MOMENTS (KIP-FT)		
LOAD	INTERIOR	EXTERIOR
NON-COMPOSITE DEAD LOAD (DL1)	680.60	723.00
COMPOSITE DEAD LOAD (DL2)	340.30	332.10
FUTURE WEARING SURFACE (FWS)	58.30	58.30
POSITIVE LIVE LOAD PLUS IMPACT (PHL-93)	548.20	549.40
POSITIVE LIVE LOAD PLUS IMPACT (P-82)	667.30	668.70
POSITIVE LIVE LOAD PLUS IMPACT (P2016-13)	814.90	816.70

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

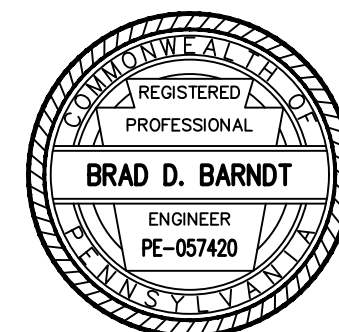
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
BEAM DETAILS 2

RECOMMENDED 10 / 27 / 2022

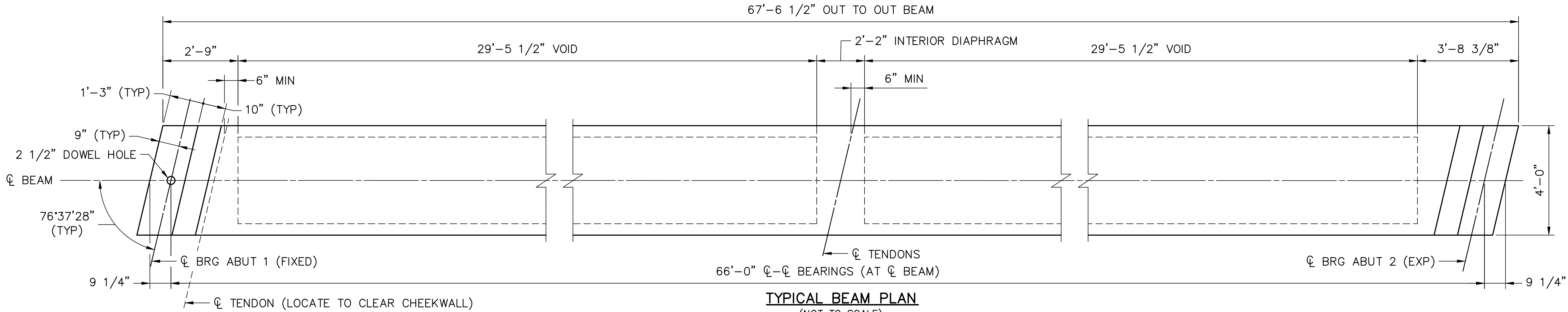
SHEET 27 OF 54

S-36195

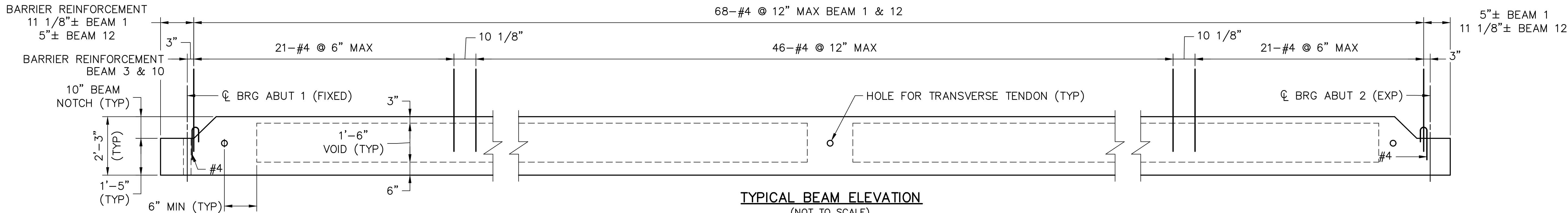


DES:	BDT	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

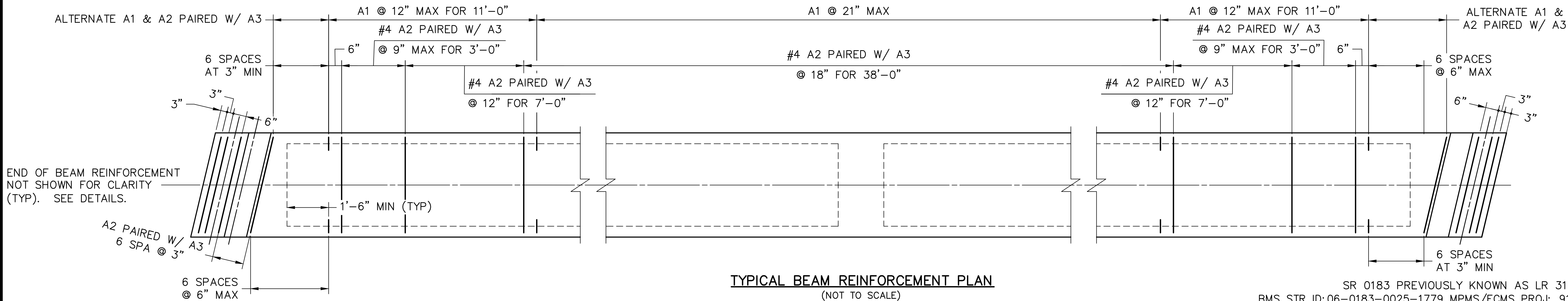
W:\01\0194\01194-04_SR_0183\DWG\CD\2012\Bridge_DWG\01194-04-SR0183-05B-FR-FINAL.dwg - BEAM 3 - 8/29/2022 3:01 PM



TYPICAL BEAM PLAN
(NOT TO SCALE)



TYPICAL BEAM ELEVATION
(NOT TO SCALE)



TYPICAL BEAM REINFORCEMENT PLAN
(NOT TO SCALE)

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
BEAM DETAILS 3

RECOMMENDED 10 / 27 / 2022

SHEET 28 OF 54

S-36195

NOTES:

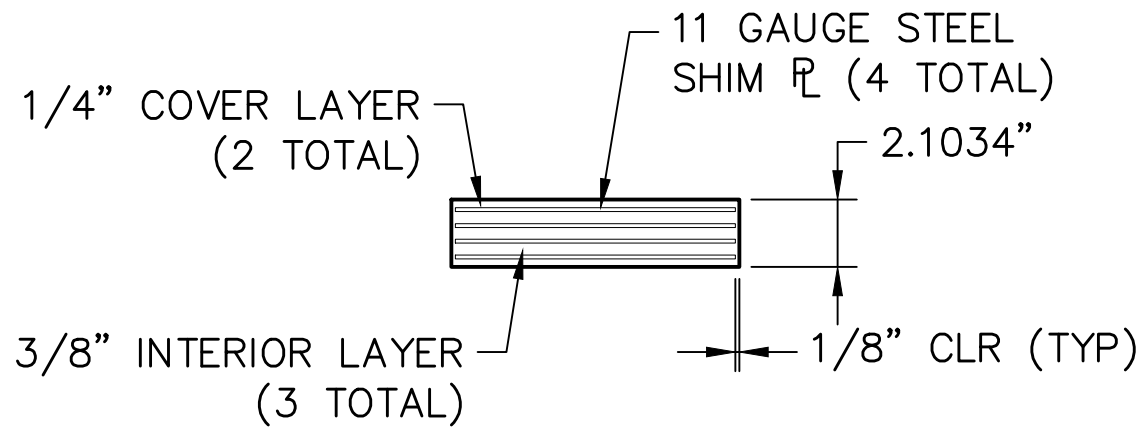
1. FOR ADDITIONAL BEAM DETAILS, SEE SHEETS 26, 27, & 29.

DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

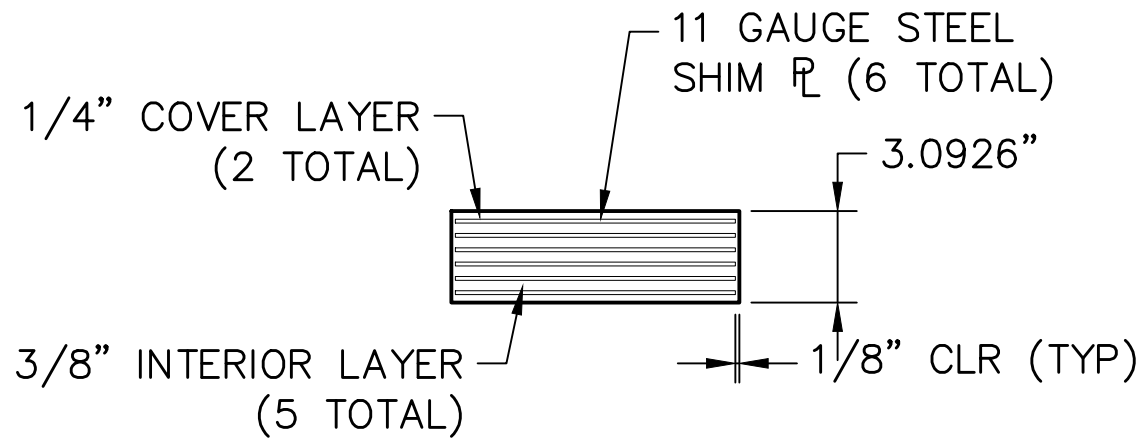
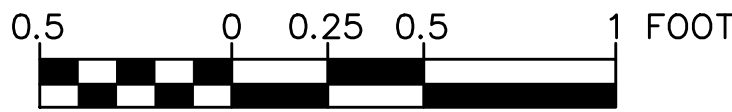
Mark	Description	By	Chk'd	Rec'd	Date
REVISIONS					



\\s01\01194\01194-04_SR_0183\DWG\CD2021\Bridg DWG\01194-04_SR0183-05B-FR-FINAL.dwg - BEAM 4 - 8/29/2022 3:01 PM



ABUTMENT 1 TYPICAL BEARING PAD SECTION
(24 REQUIRED)



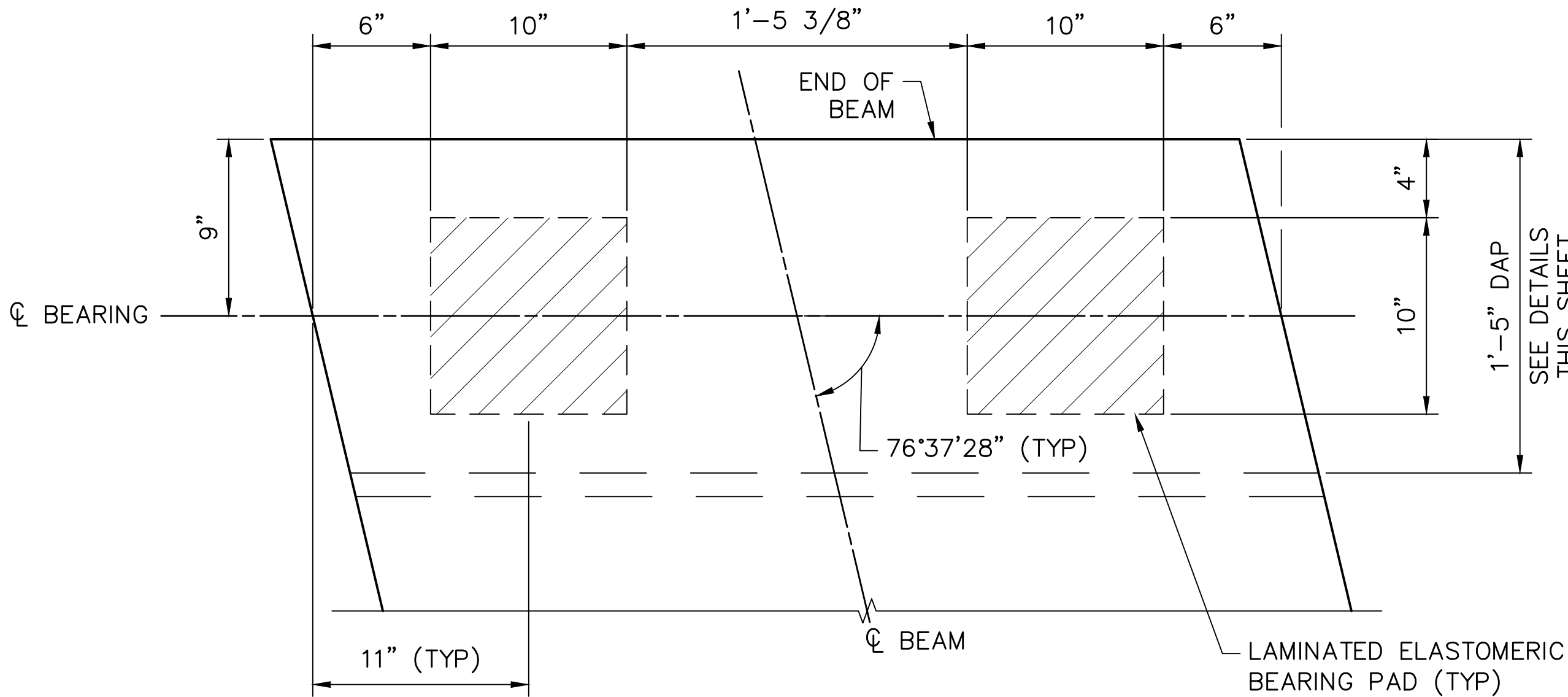
ABUTMENT 2 TYPICAL BEARING PAD SECTION
(24 REQUIRED)



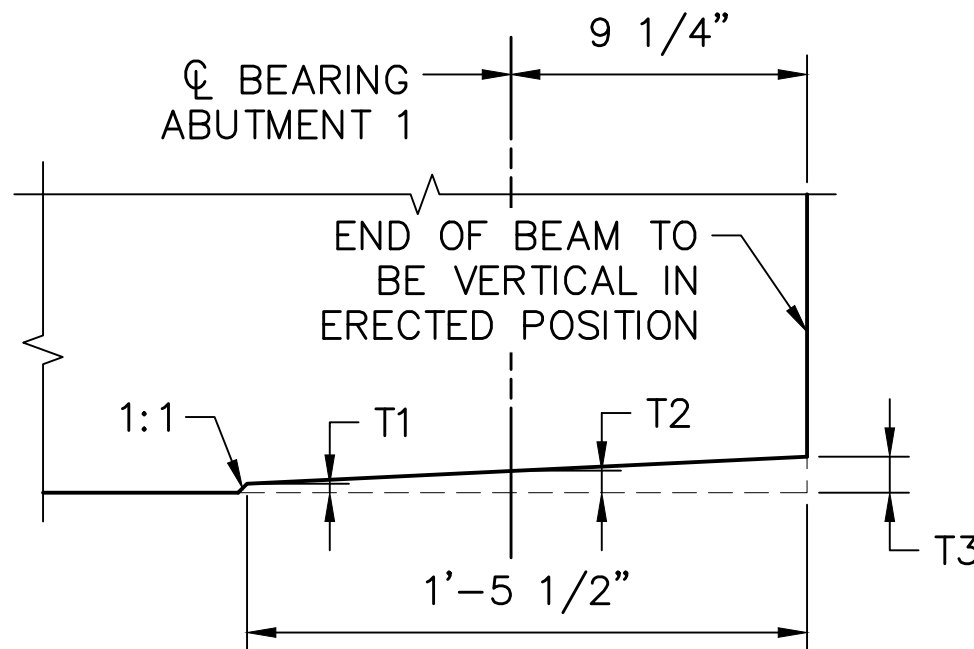
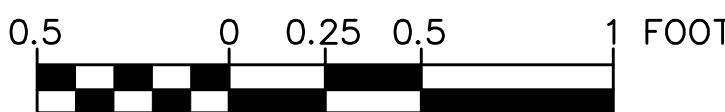
BEARING PAD NOTES:

- ELASTOMERIC BEARINGS DESIGNED & MANUFACTURED IN ACCORDANCE WITH BC-755M DO NOT REQUIRE SHOP DRAWINGS.
- MANUFACTURE ALL BEARINGS IN ACCORDANCE WITH THE COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION PLANS AND SPECIFICATIONS (PUBLICATION 408) SECTION 1113.
- HOLES ARE NOT PERMITTED IN ELASTOMERIC BEARINGS UNLESS INDICATED ON THE DESIGN DRAWINGS.
- PROVIDE NEOPRENE 50 ±5 DUROMETER.
- PROVIDE MINIMUM LOW-TEMPERATURE NEOPRENE GRADE 3.
- ELASTOMERIC BEARING PADS ARE INCIDENTAL TO PRESTRESSED CONCRETE BEAMS.

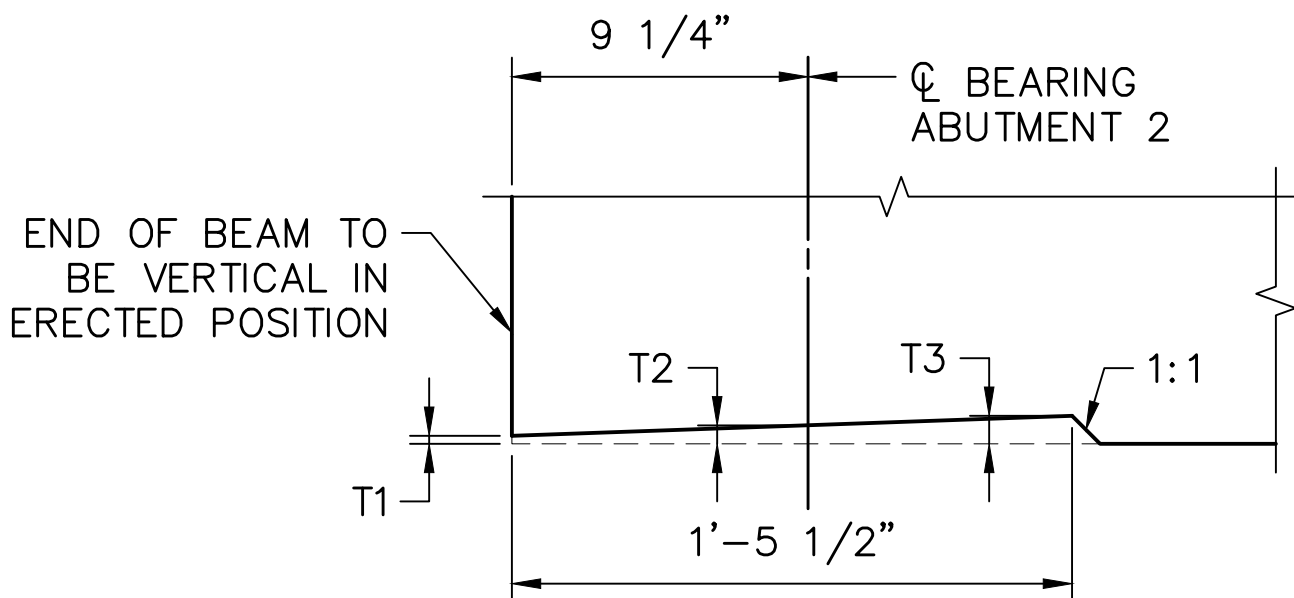
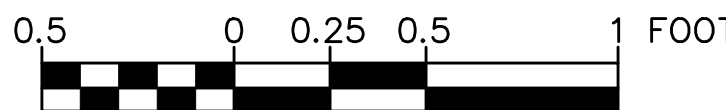
BEAM DAP				
BEAM	DETAILS	T1	T2	T3
B-01	ABUTMENT 1	3/8 IN	1/2 IN	5/8 IN
	ABUTMENT 2	1/2 IN	1/2 IN	1/2 IN
B-02	ABUTMENT 1	3/8 IN	1/2 IN	5/8 IN
	ABUTMENT 2	1/2 IN	1/2 IN	1/2 IN
B-03	ABUTMENT 1	3/8 IN	1/2 IN	5/8 IN
	ABUTMENT 2	7/16 IN	1/2 IN	1/2 IN
B-04	ABUTMENT 1	5/16 IN	1/2 IN	11/16 IN
	ABUTMENT 2	1/2 IN	1/2 IN	1/2 IN
B-05	ABUTMENT 1	5/16 IN	1/2 IN	11/16 IN
	ABUTMENT 2	1/2 IN	1/2 IN	1/2 IN
B-06	ABUTMENT 1	5/16 IN	1/2 IN	11/16 IN
	ABUTMENT 2	1/2 IN	1/2 IN	1/2 IN
B-07	ABUTMENT 1	5/16 IN	1/2 IN	11/16 IN
	ABUTMENT 2	7/16 IN	1/2 IN	1/2 IN
B-08	ABUTMENT 1	5/16 IN	1/2 IN	3/4 IN
	ABUTMENT 2	7/16 IN	1/2 IN	3/4 IN
B-09	ABUTMENT 1	5/16 IN	1/2 IN	3/4 IN
	ABUTMENT 2	7/16 IN	1/2 IN	3/4 IN
B-10	ABUTMENT 1	5/16 IN	1/2 IN	11/16 IN
	ABUTMENT 2	7/16 IN	1/2 IN	3/4 IN
B-11	ABUTMENT 1	5/16 IN	1/2 IN	11/16 IN
	ABUTMENT 2	3/8 IN	1/2 IN	3/4 IN
B-12	ABUTMENT 1	5/16 IN	1/2 IN	3/4 IN
	ABUTMENT 2	3/8 IN	1/2 IN	5/8 IN



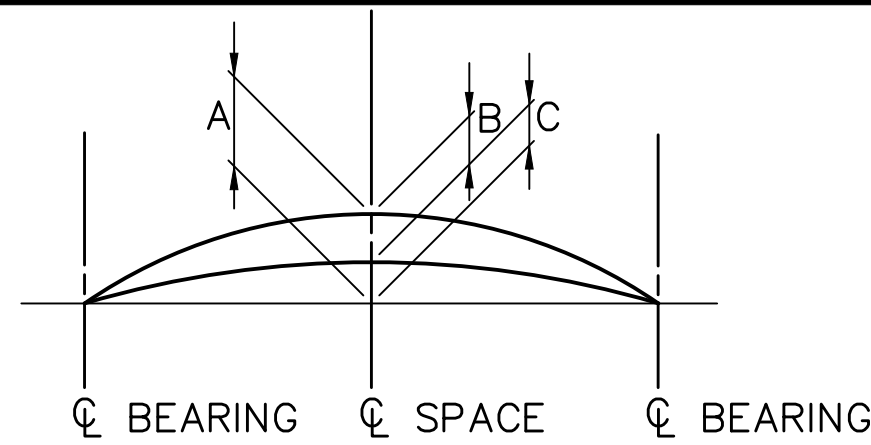
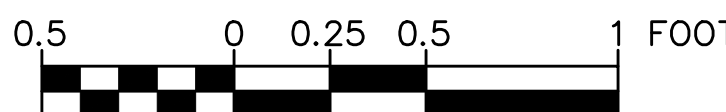
TYPICAL BEARING PAD LAYOUT



TYPICAL DAP DETAIL
(AT ABUTMENT 1)



TYPICAL DAP DETAIL
(AT ABUTMENT 2)



TYPICAL BEAM CAMBER DIAGRAM
(NOT TO SCALE)

BEAM CAMBER EASTBOUND			
BEAM	(A)	(B)	(C)
B-01	2.63	1.47	1.16
B-02	2.62	1.36	1.26
B-03	2.62	1.36	1.26
B-04	2.62	0.85	1.77
B-05	2.63	0.67	1.96
B-06	2.63	0.67	1.96
B-07	2.63	0.67	1.96
B-08	2.63	0.67	1.96
B-09	2.62	0.85	1.77
B-10	2.62	1.37	1.25
B-11	2.62	1.37	1.25
B-12	2.63	1.48	1.15

BEAM CAMBER NOTES:

- A = ESTIMATED PRESTRESS CAMBER LESS DEFLECTION DUE TO DEAD LOAD OF BEAM TIMES CREEP FACTOR. (CHECK IN FIELD).
- B = DEFLECTION DUE TO ALL DEAD LOAD EXCEPT BEAM WEIGHT AND FUTURE WEARING SURFACE.
- C = A - B (NET FINAL CAMBER).

- VARY THE THICKNESS OF THE CONCRETE HAUNCH TO COMPENSATE FOR ANY INACCURACIES IN BEAM CAMBER.
- A, B & C ARE THEORETICAL VALUES AND MAY VARY WITH ACTUAL CONCRETE STRENGTH (AGE), VARIOUS PRESTRESSING CONDITIONS, CREEP FACTOR AND PRESTRESS LOSSES.
- USE A CREEP FACTOR EQUAL TO 1.6 AND PRESTRESS LOSS EQUAL TO 10%.
- BEAM SEAT ELEVATIONS HAVE BEEN CALCULATED CONSIDERING A VALUE "C".

LEGEND:

FF FRONT FACE

NOTES:

1. FOR ADDITIONAL BEAM DETAILS, SEE SHEETS 26, 27, & 29.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
BEAM DETAILS 4

RECOMMENDED 10 / 27 / 2022

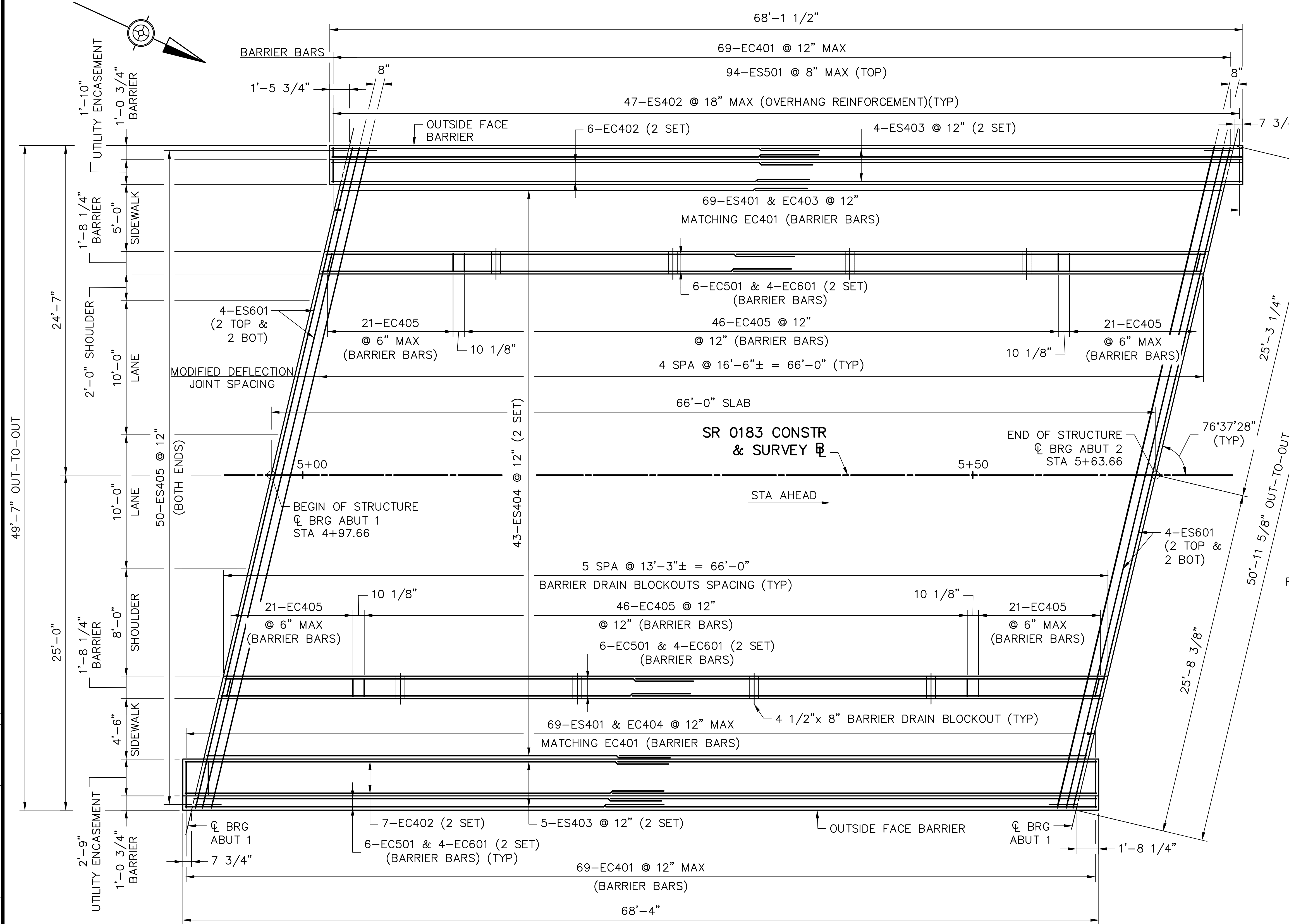
SHEET 29 OF 54

S-36195



DES:	BDT	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

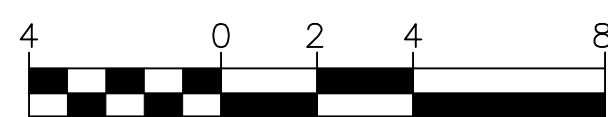
\\VA01\0194\0194-04 - SR 0183\DWG\CD\2012\Bridge\DWG\0194-04-SR0183-05B-FR-FINAL.dwg - SLAB PLAN - 8/29/2022 3:01 PM



MIN LAP SPLICE LENGTH:

- #4-2'-10" BARRIER BAR
- #5-3'-7" BARRIER BAR
- #6-4'-4" BARRIER BAR
- #4-1'-9" SLAB BAR

SLAB PLAN

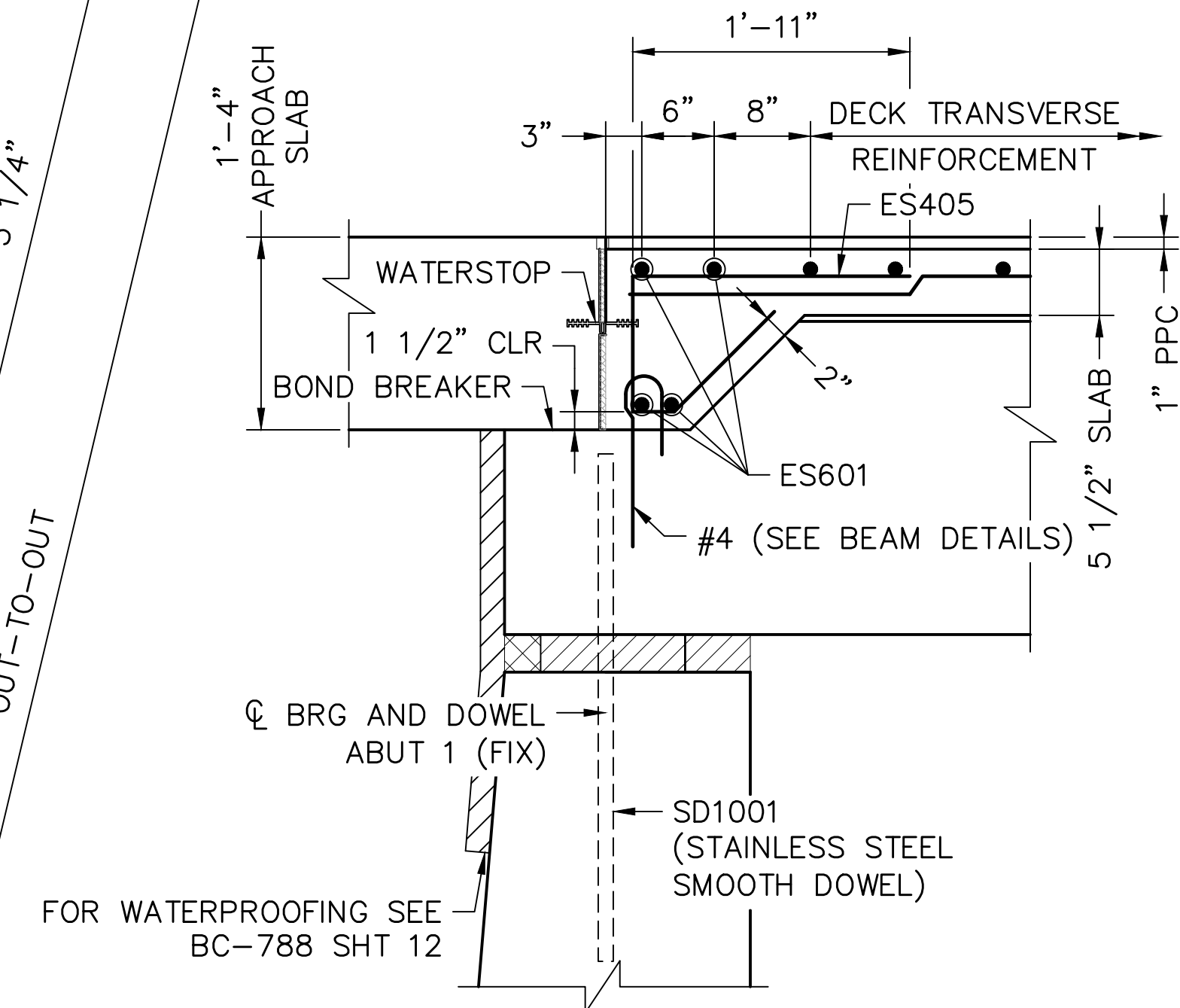
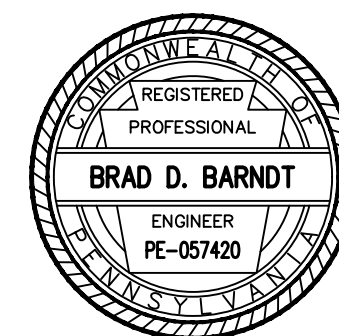


LEGEND:

- PCP PREFORMED CELLULAR POLYSTYRENE OF OUTSIDE FACE
- PPC POLYESTER POLYMER CONCRETE

NOTES:

- FOR GENERAL NOTES, SEE SHEET 2.
- FOR FRAMING PLAN, SEE SHEET 25.
- FOR TYPICAL SECTION, SEE SHEET 31.
- FOR DECK ELEVATIONS, SEE SHEETS 34 & 35.
- FOR REINFORCEMENT SCHEDULE, SEE SHEET 36.



SECTION @ END OF SLAB
(ABUTMENT 2 SIMILAR BUT NO DOWELS)



Mark	Description	By	Chk'd	Rec'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

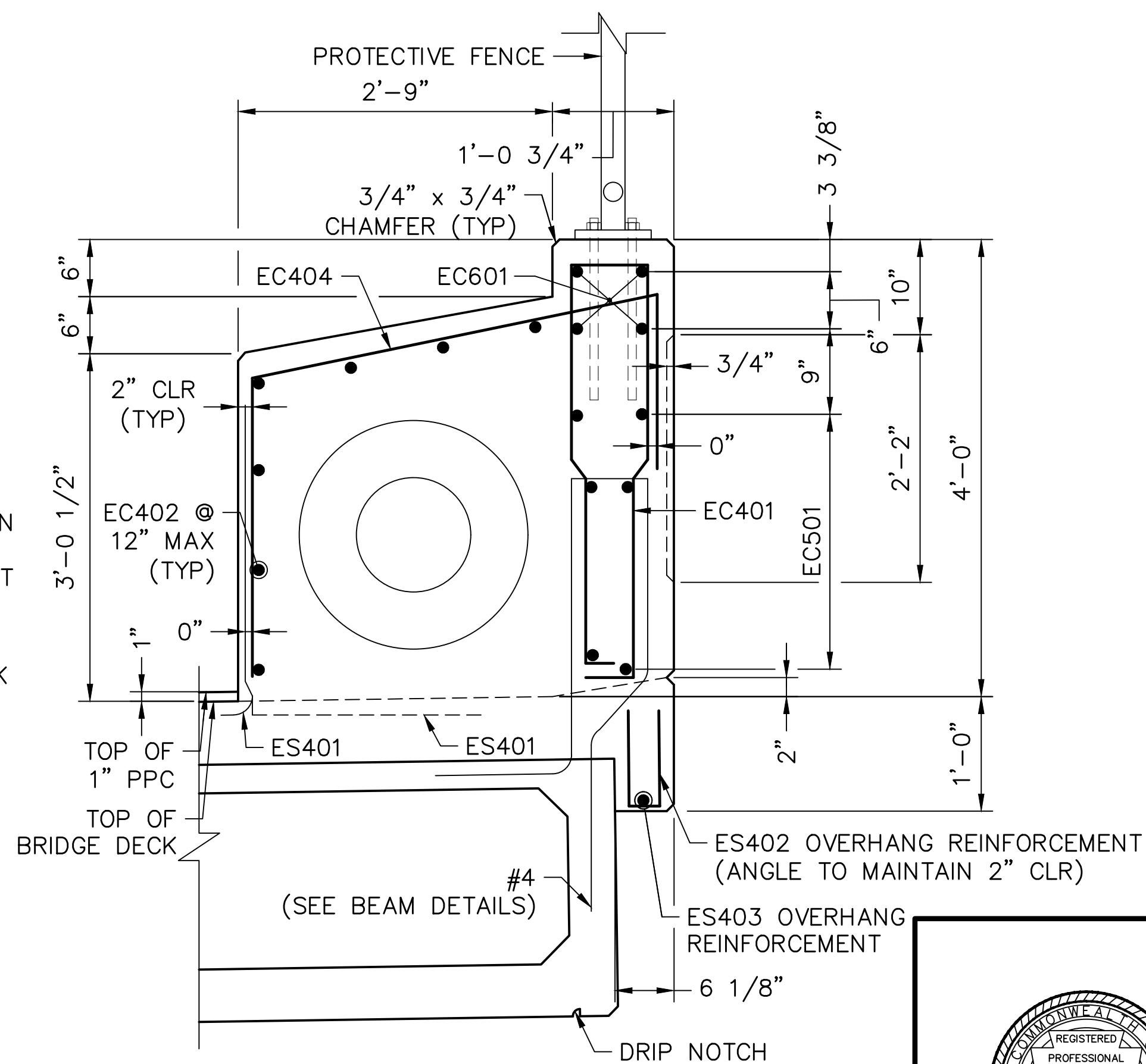
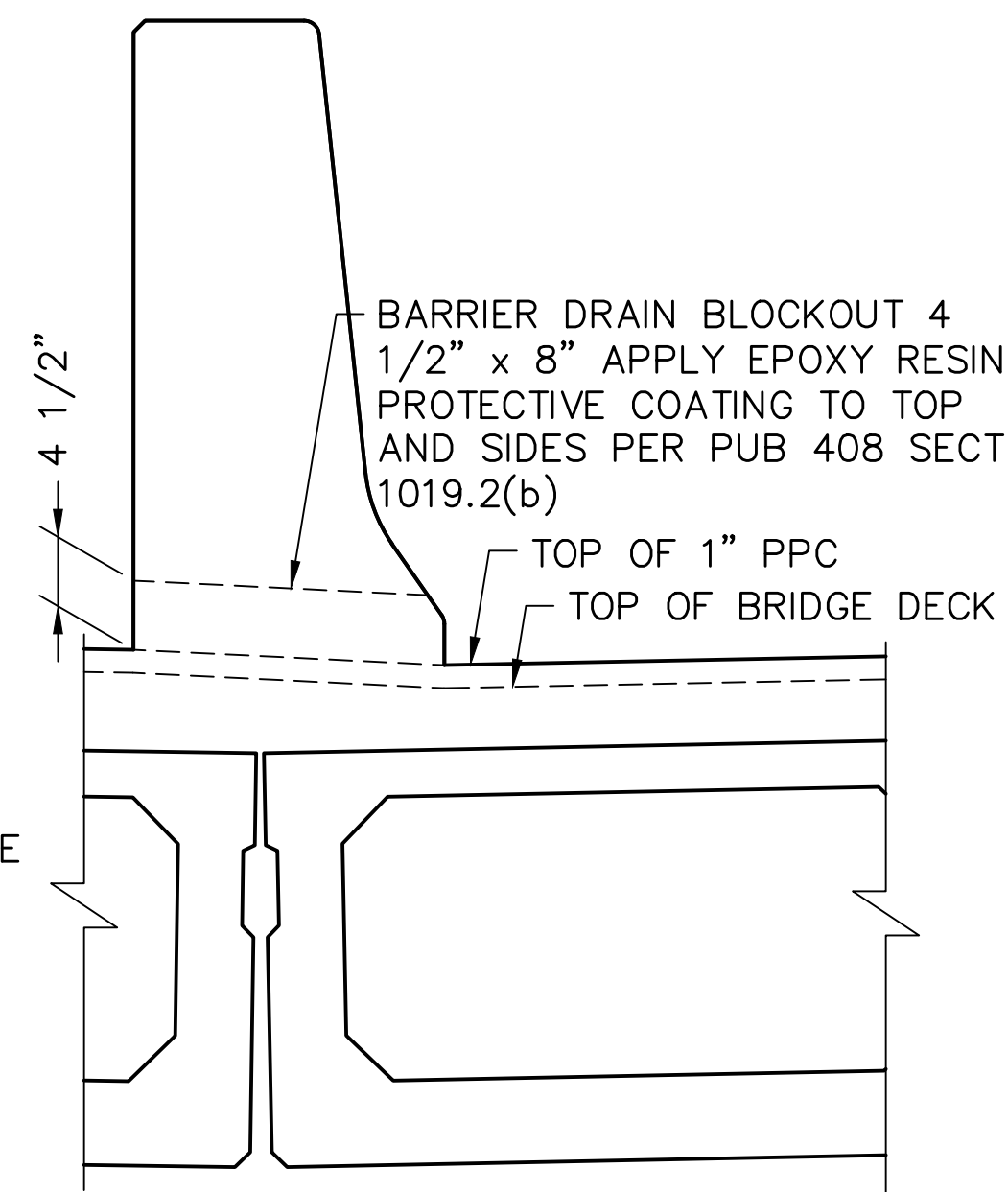
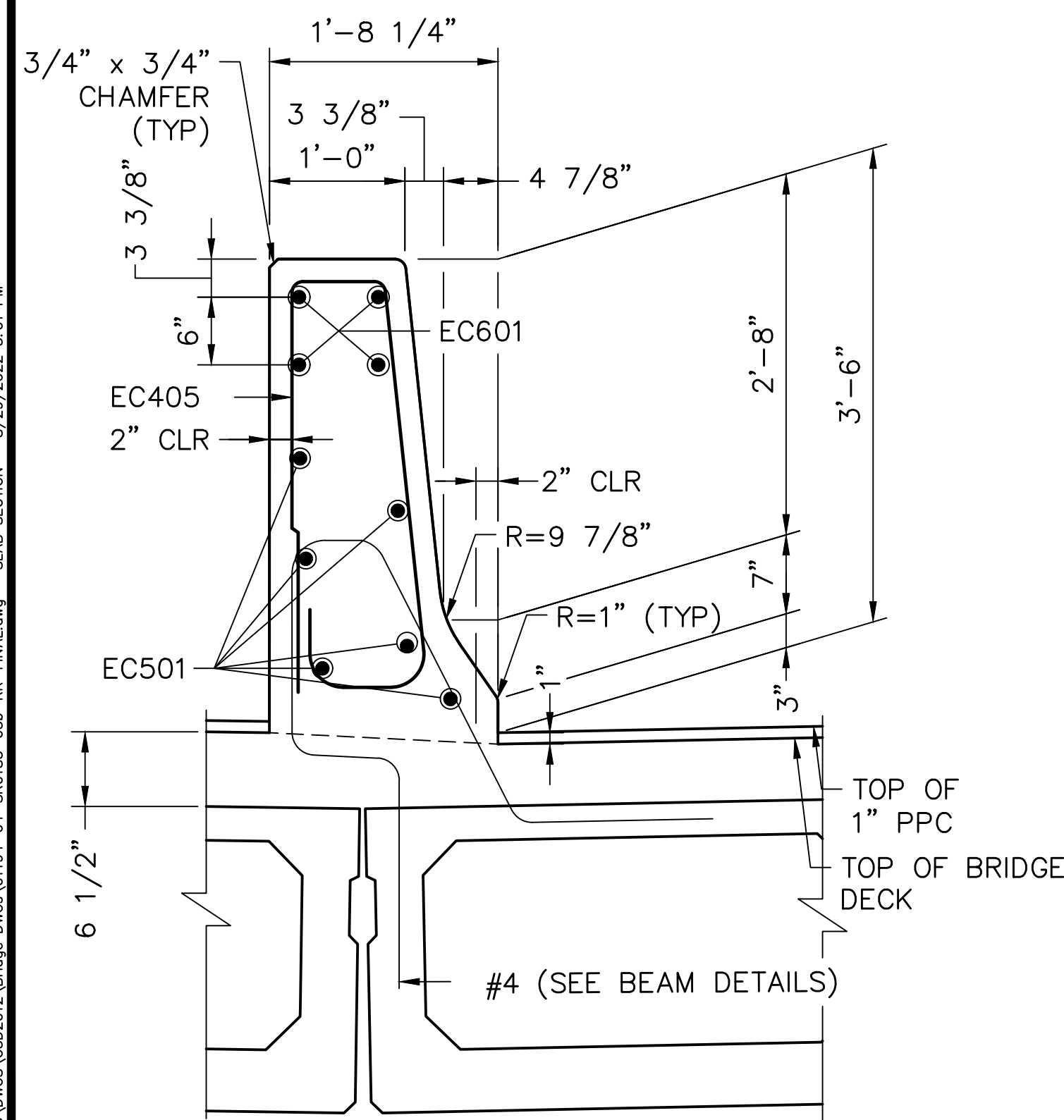
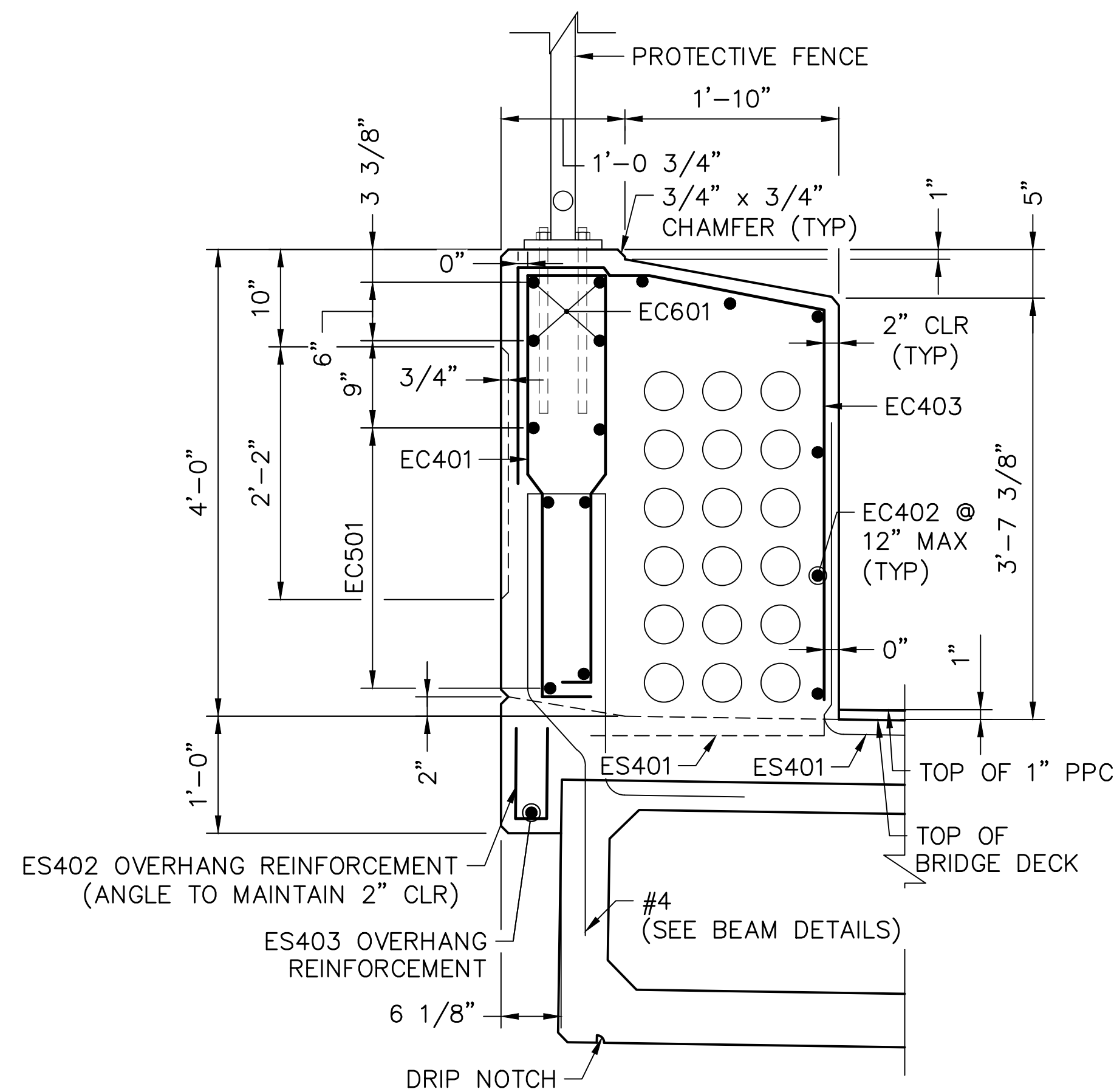
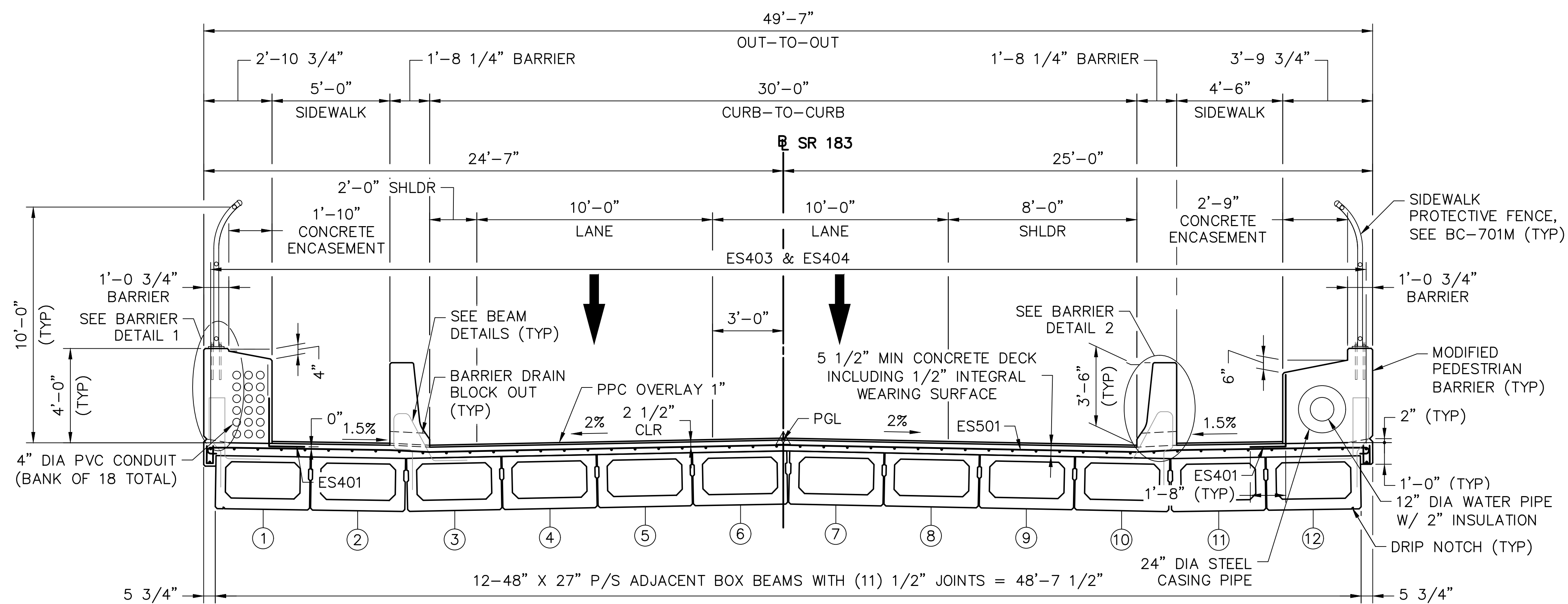
BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
SLAB PLAN

RECOMMENDED 10 / 27 / 2022

SHEET 30 OF 54

S-36195

DES: BDT	CHK'D: BDB
DWG: JTP	CHK'D: BDB



LEGEND:

PPC POLYSTYRENE POLYMER CONCRETE
(X) BEAM NUMBER

NOTES:

1. FOR GENERAL NOTES, SEE SHEET 3.
2. FOR FRAMING PLAN, SEE SHEET 25.
3. FOR SLAB PLAN, SEE SHEET 30.
4. FOR ARCHITECTURAL BARRIER DETAILS, SEE SHEET 32.
5. FOR FENCING PLAN, SEE SHEET 33.
6. FOR REINFORCEMENT SCHEDULE, SEE SHEET 36.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

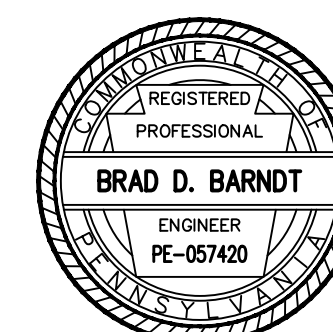
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
TYPICAL SECTION & BARRIER DETAILS

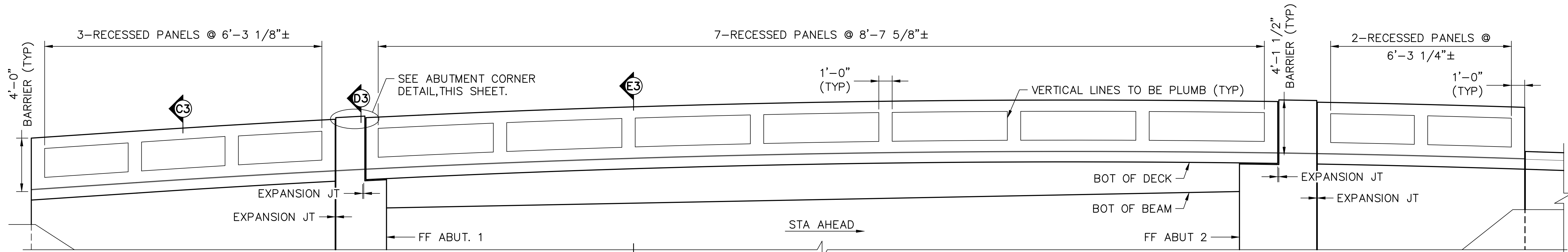
RECOMMENDED 10 / 27 / 2022

SHEET 31 OF 54

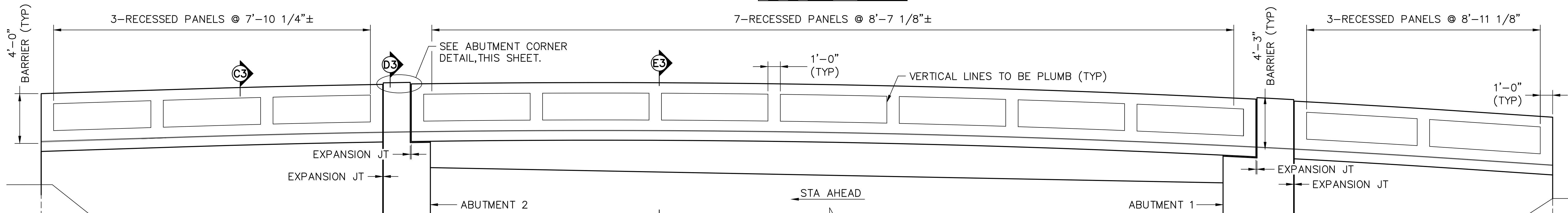
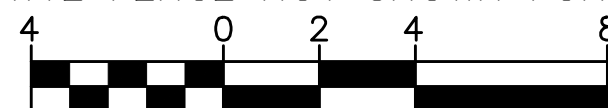
S-36195



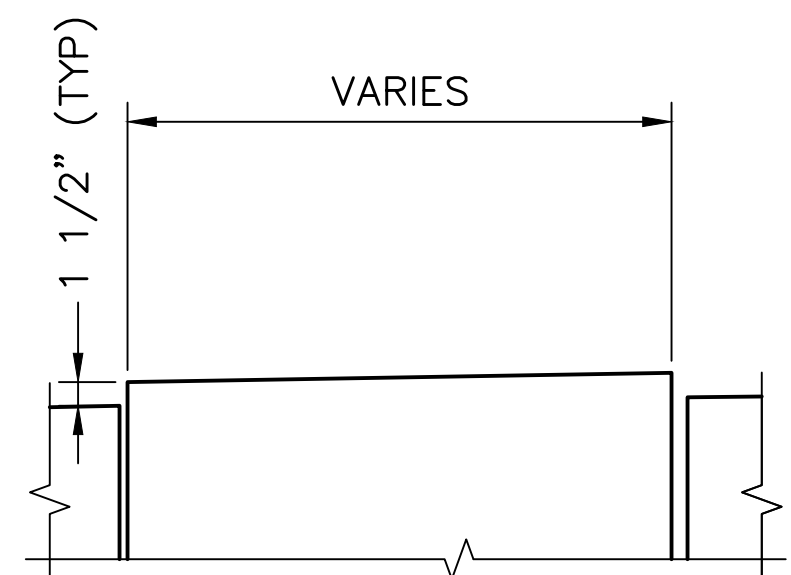
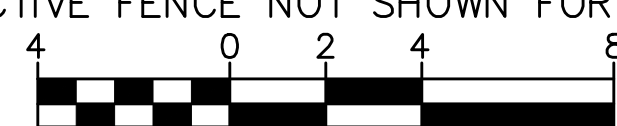
\\s01\0194\0194-04 - SR 0183\DWG\CD2021\Bridg DWG\0194-04-SR0183-05B-FR-FINAL.dwg - BARRIER DETAILS - 8/29/2022 3:01 PM



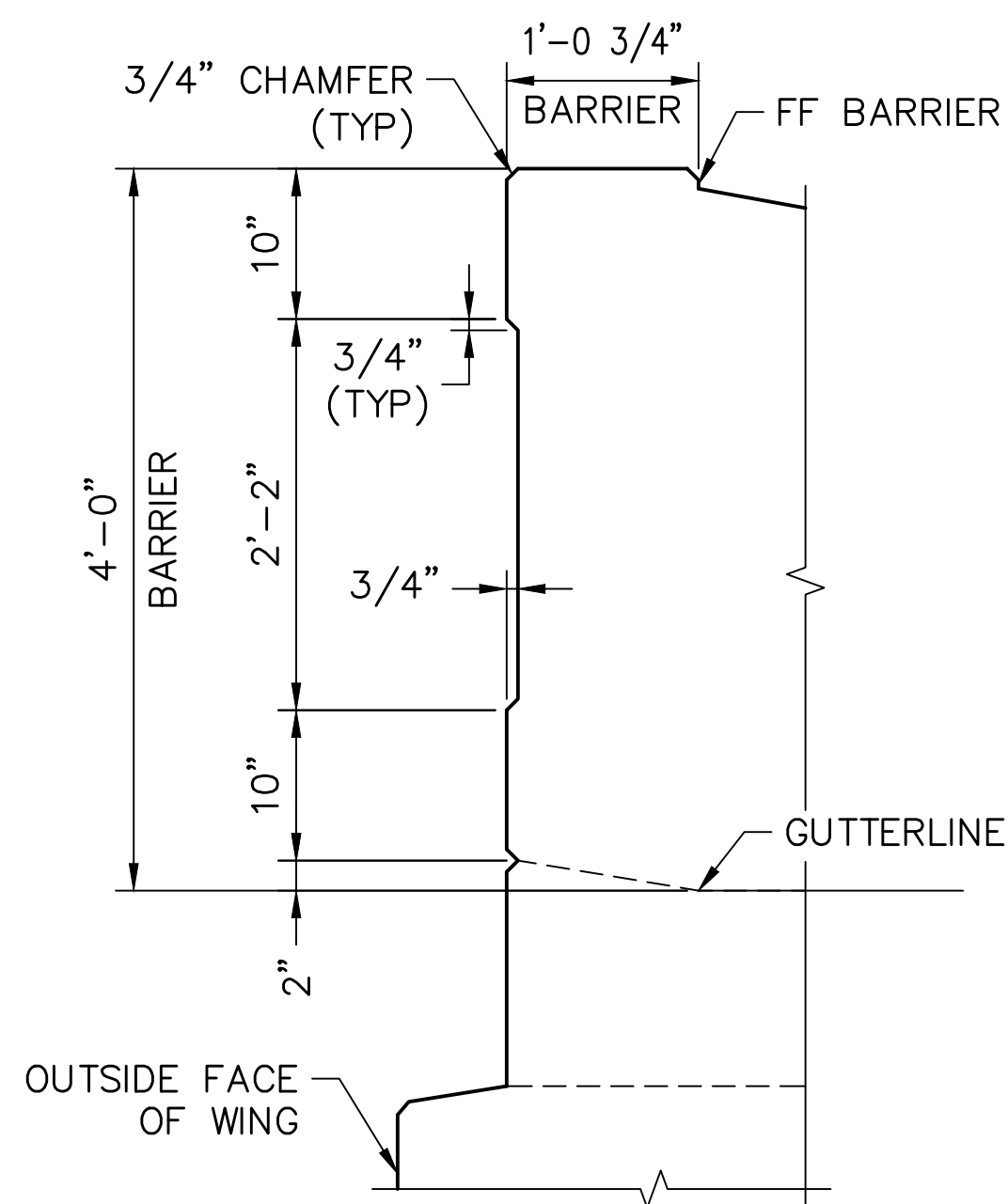
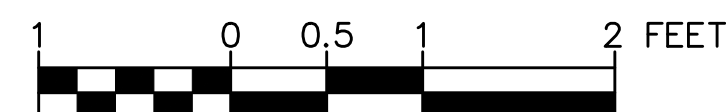
SECTION A3-A3
(ARCHITECTURE DETAIL)
(PROTECTIVE FENCE NOT SHOWN FOR CLARITY)



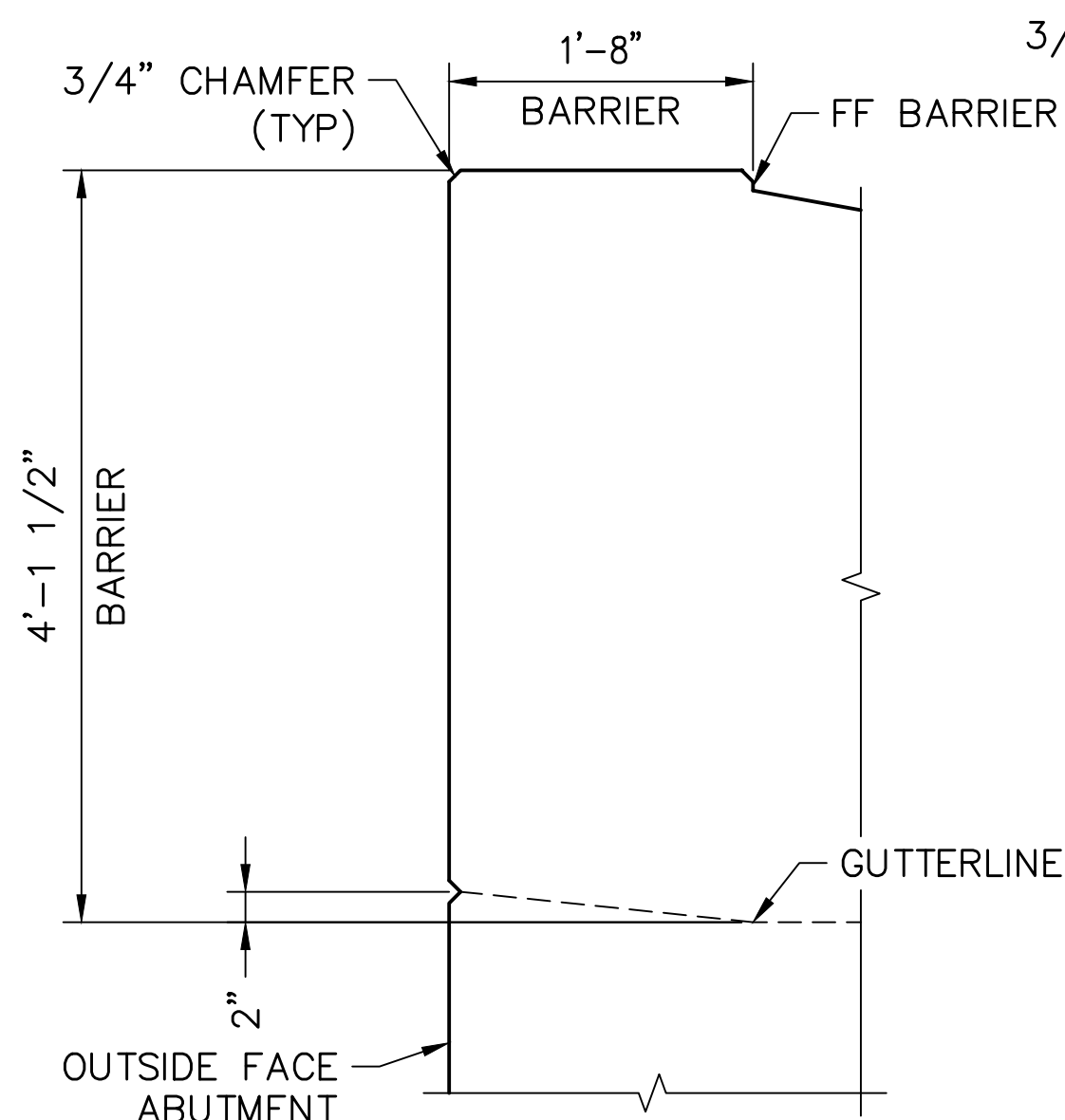
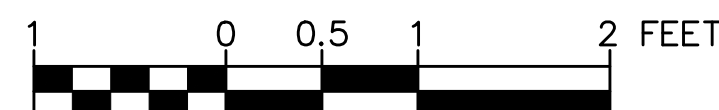
SECTION B3-B3
(ARCHITECTURE DETAIL)
(PROTECTIVE FENCE NOT SHOWN FOR CLARITY)



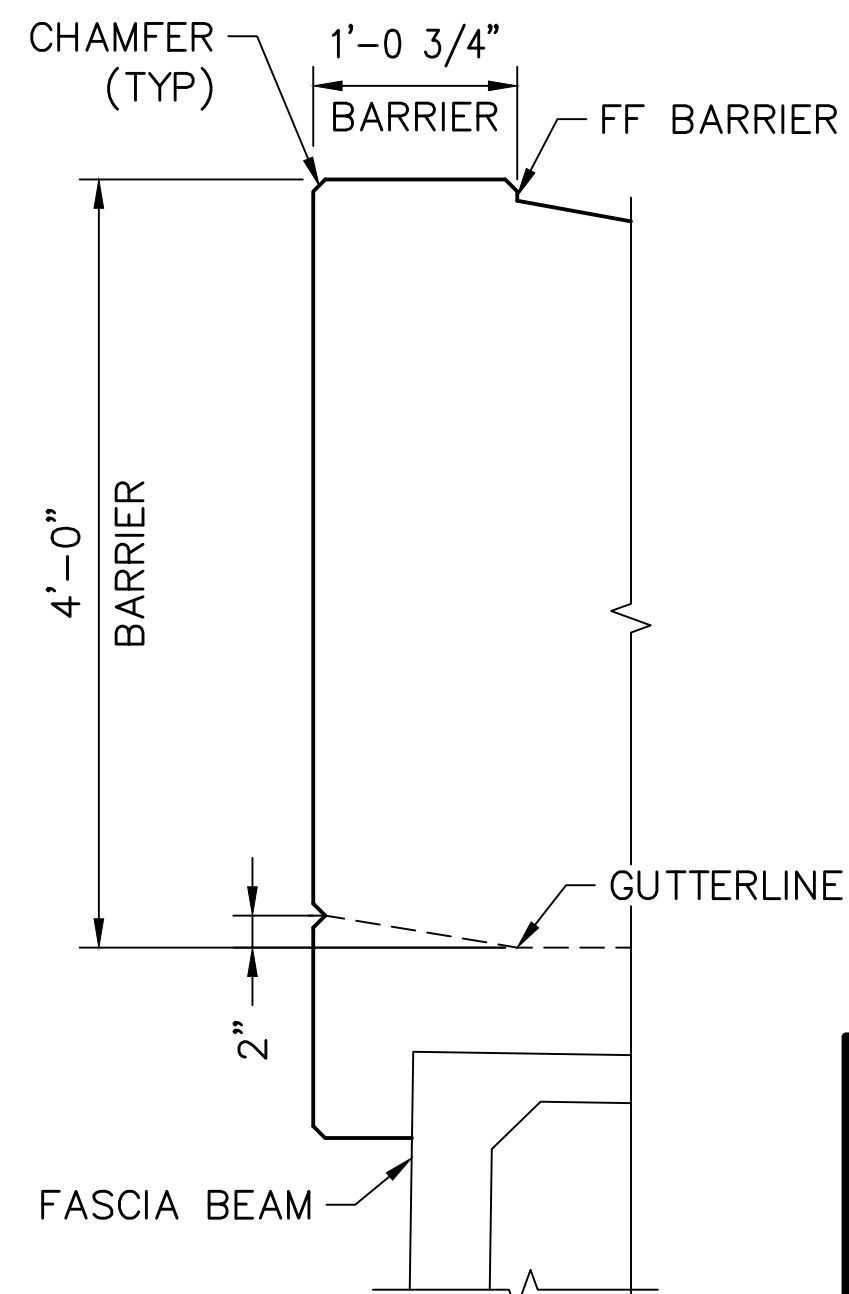
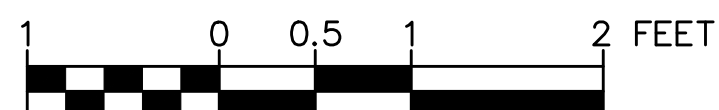
ABUTMENT CORNER DETAIL
(FENCE NOT SHOWN FOR CLARITY)



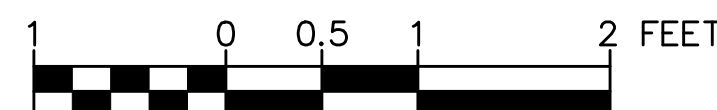
SECTION C3-C3
(FENCE NOT SHOWN FOR CLARITY)



SECTION D3-D3
(FENCE NOT SHOWN FOR CLARITY)



SECTION E3-E3
(FENCE NOT SHOWN FOR CLARITY)



LEGEND:

FF FRONT FACE

NOTES:

- FOR PROTECTIVE FENCE PLAN, SEE SHEET 33.
- FOR SECTION LOCATIONS, SEE SHEET 33.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID: 06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY: 69241

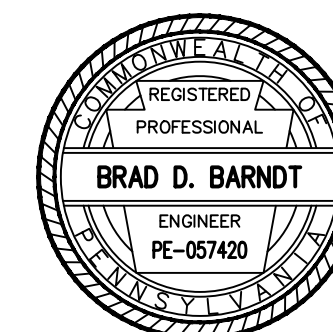
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
ARCHITECTURAL BARRIER DETAILS

RECOMMENDED 10/27/2022

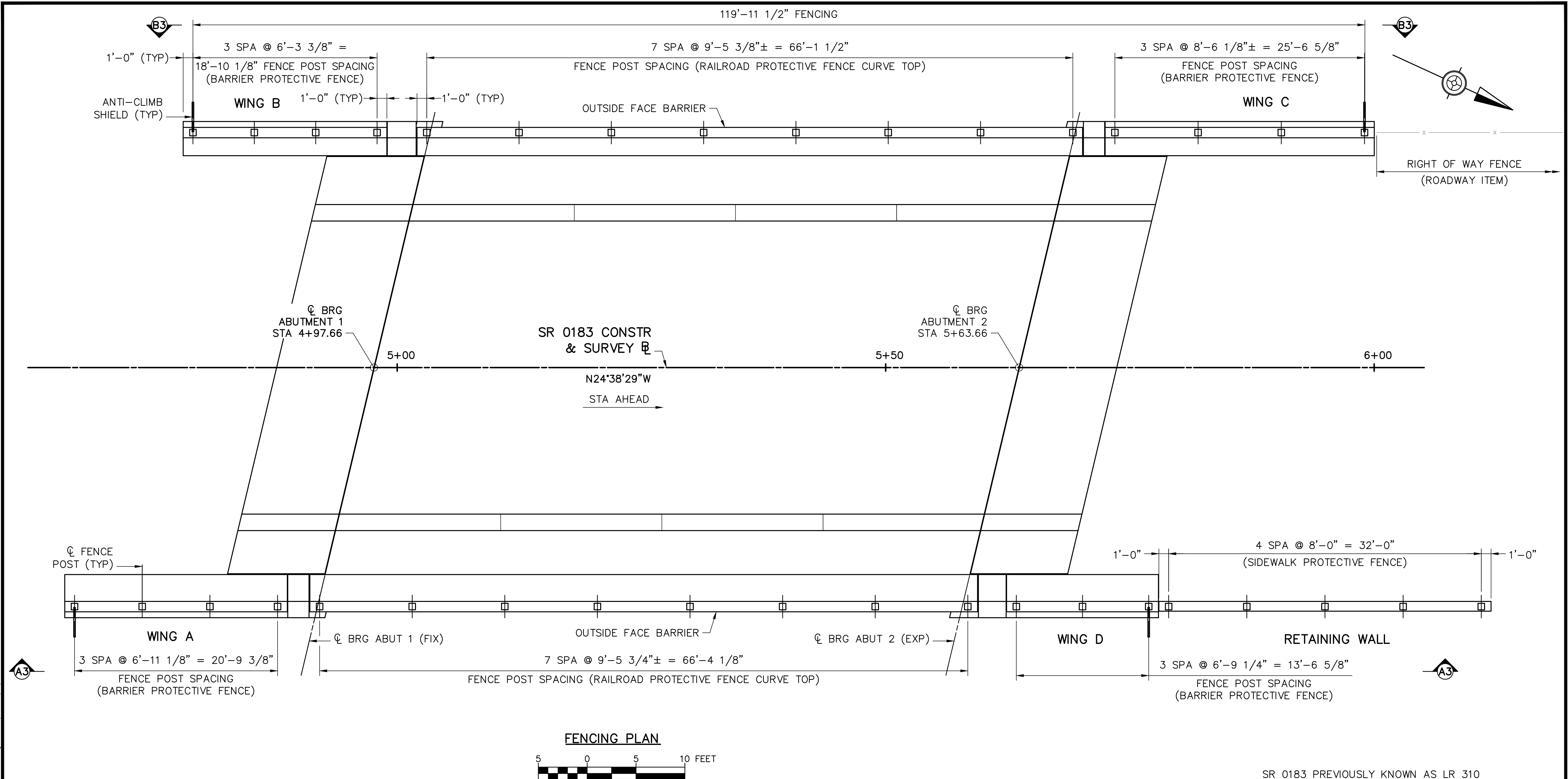
SHEET 32 OF 54

S-36195



DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

\\s01\0194\01194-04_SR_0183\DWG3\CD2021\Bridge_DWG\01194-04-SR0183-05B-FR-FINAL.dwg - fence plan - 8/28/2022 3:01 PM

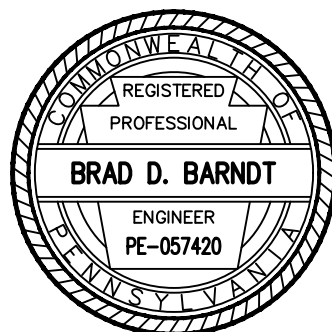


DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

NOTES:

- FOR GENERAL NOTES, SEE SHEET 3.
- FOR TYPICAL SECTION, SEE SHEET 31.
- FOR BEAM DETAILS, SEE SHEETS 26 THRU 29.
- FOR SLAB PLAN, SEE SHEET 30.
- FOR SECTION A3-A3 & B3-B3, SEE SHEET 32.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					



SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

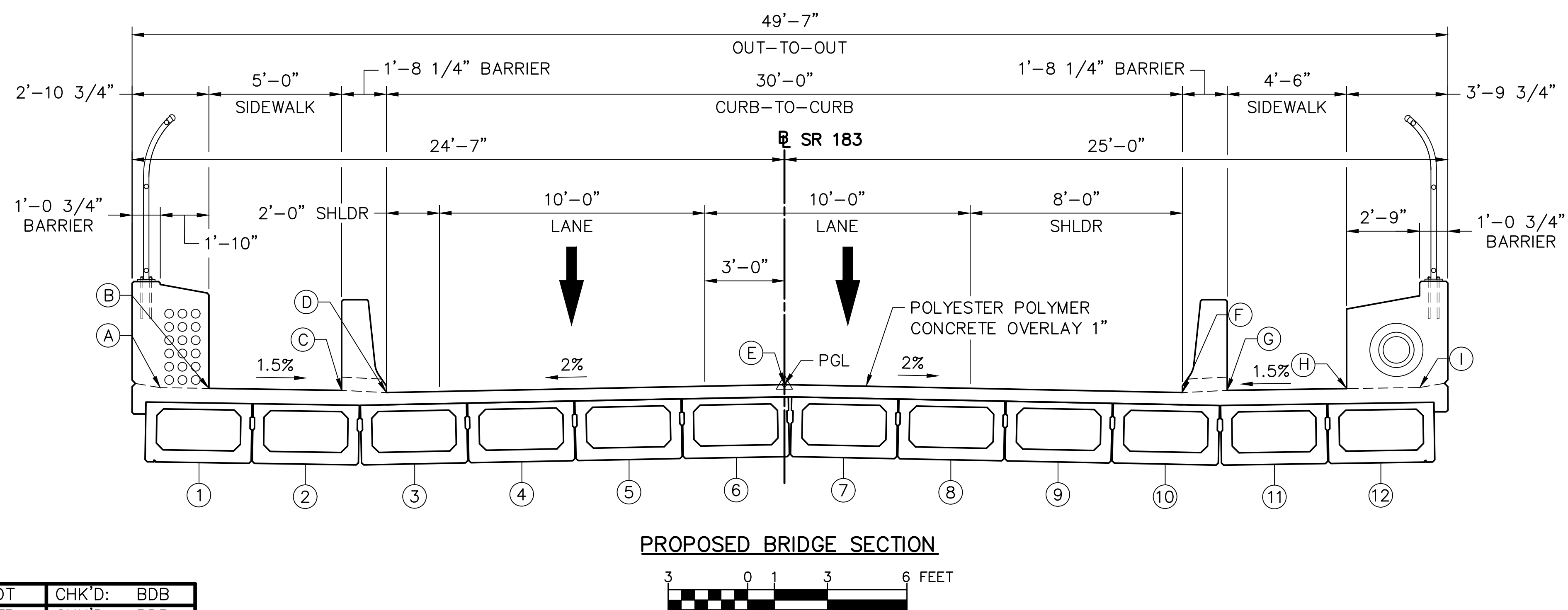
BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
FENCE PLAN

RECOMMENDED 10 / 27 / 2022

SHEET 33 OF 54

S-36195

TOP OF DECK ELEVATIONS @ BREAK-IN-SLOPE (FINAL CONDITION, TOP OF 1" PPC OVERLAY)										
STATION	ELEV (A)	ELEV (B)	ELEV (C)	ELEV (D)	ELEV (E)	ELEV (F)	ELEV (G)	ELEV (H)	ELEV (I)	REMARKS
4+80.00	293.32	293.29	293.21	293.13	293.43	293.13	293.21	293.28	293.32	
4+81.97	293.44	293.41	293.33	293.25	293.55	293.25	293.33	293.40	293.44	BEGIN APPROACH SLAB 1 @ I
4+82.50	293.47	293.44	293.37	293.28	293.58	293.28	293.37	293.43	293.47	BEGIN APPROACH SLAB 1 @ H
4+83.69	293.54	293.51	293.44	293.35	293.65	293.35	293.44	293.50	293.54	BEGIN APPROACH SLAB 1 @ G
4+84.09	293.56	293.53	293.46	293.38	293.68	293.38	293.46	293.53	293.57	BEGIN APPROACH SLAB 1 @ F
4+87.66	293.76	293.73	293.66	293.58	293.88	293.58	293.66	293.73	293.77	BEGIN APPROACH SLAB 1 @ E
4+90.00	293.89	293.86	293.78	293.70	294.00	293.70	293.78	293.85	293.89	
4+91.23	293.95	293.92	293.85	293.76	294.06	293.76	293.85	293.92	293.96	BEGIN APPROACH SLAB 1 @ D
4+91.63	293.97	293.94	293.87	293.79	294.09	293.79	293.87	293.94	293.98	BEGIN APPROACH SLAB 1 @ C
4+91.97	293.99	293.96	293.89	293.80	294.10	293.80	293.89	293.95	293.99	℄ BRG ABUT 1 @ I
4+92.50	294.01	293.99	293.91	293.83	294.13	293.83	293.91	293.98	294.02	℄ BRG ABUT 1 @ H
4+92.82	294.03	294.00	293.93	293.84	294.14	293.84	293.93	294.00	294.04	BEGIN APPROACH SLAB 1 @ B
4+93.25	294.05	294.02	293.95	293.87	294.17	293.87	293.95	294.02	294.06	BEGIN APPROACH SLAB 1 @ A
4+93.69	294.07	294.05	293.97	293.89	294.19	293.89	293.97	294.04	294.08	℄ BRG ABUT 1 @ G
4+94.09	294.09	294.07	293.99	293.91	294.21	293.91	293.99	294.06	294.10	℄ BRG ABUT 1 @ F
4+97.66	294.26	294.23	294.16	294.07	294.37	294.07	294.16	294.22	294.27	℄ BRG ABUT 1 @ E
5+00.00	294.36	294.33	294.26	294.18	294.48	294.18	294.26	294.33	294.37	
5+01.23	294.41	294.39	294.31	294.23	294.53	294.23	294.31	294.38	294.42	℄ BRG ABUT 1 @ D
5+01.63	294.43	294.40	294.33	294.24	294.54	294.24	294.33	294.40	294.44	℄ BRG ABUT 1 @ C
5+02.82	294.48	294.45	294.38	294.29	294.59	294.29	294.38	294.44	294.48	℄ BRG ABUT 1 @ B
5+03.25	294.50	294.47	294.39	294.31	294.61	294.31	294.39	294.46	294.50	℄ BRG ABUT 1 @ A
5+10.00	294.74	294.71	294.64	294.56	294.86	294.56	294.64	294.71	294.75	
5+20.00	295.03	295.00	294.92	294.84	295.14	294.84	294.92	294.99	295.03	
5+30.00	295.21	295.19	295.11	295.03	295.33	295.03	295.11	295.18	295.22	
5+40.00	295.31	295.28	295.21	295.12	295.42	295.12	295.21	295.27	295.31	
5+50.00	295.31	295.28	295.20	295.12	295.42	295.12	295.20	295.27	295.31	
5+57.96	295.24	295.21	295.13	295.05	295.35	295.05	295.13	295.20	295.24	℄ BRG ABUT 2 @ I
5+58.50	295.23	295.20	295.13	295.04	295.34	295.04	295.13	295.19	295.24	℄ BRG ABUT 2 @ H
5+59.69	295.21	295.19	295.11	295.03	295.33	295.03	295.11	295.18	295.22	℄ BRG ABUT 2 @ G
5+60.00	295.21	295.18	295.11	295.02	295.32	295.02	295.11	295.17	295.22	
5+60.09	295.21	295.18	295.11	295.02	295.32	295.02	295.11	295.17	295.21	℄ BRG ABUT 2 @



LEGEND:

NOTES:

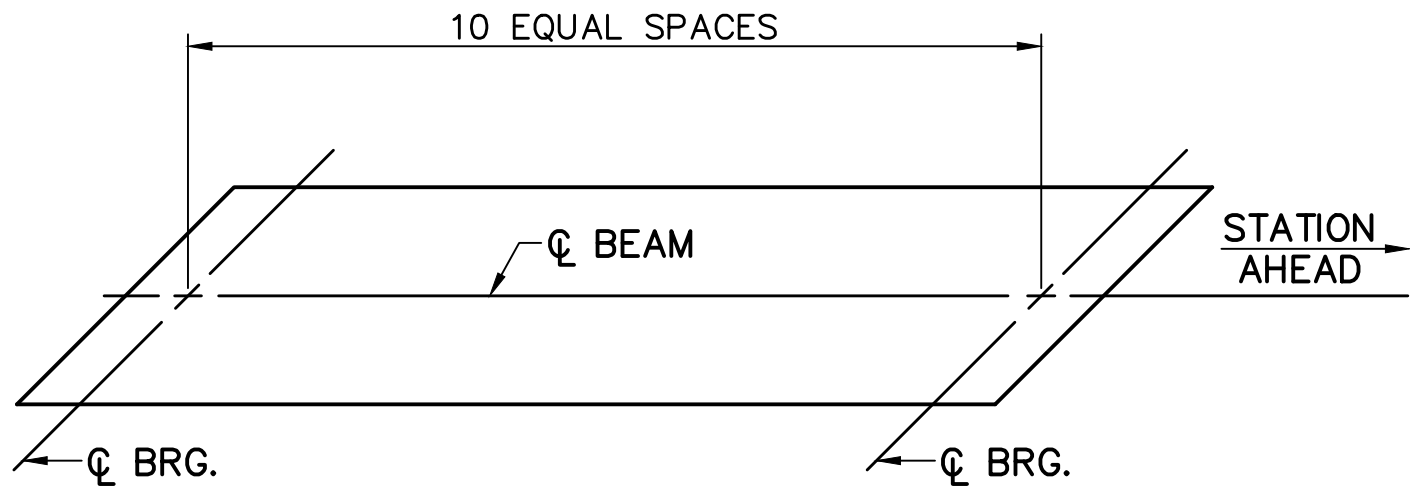
Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

RECOMMENDED 10 / 27 / 2022

\\VA01\01194\01194-04-SR-0183\DWG3\CD2021\Bridg DWG\01194-04-SR0183-05B-FR-FINAL.dwg - 10 TH POINTS - 8/29/2022 3:02 PM

TOP OF DECK ELEVATIONS ALONG CENTERLINE BEAM (FINAL CONDITION, TOP OF 1" PPC OVERLAY)												
	BEAM 1		BEAM 2		BEAM 3		BEAM 4		BEAM 5		BEAM 6	
	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION
☉ BRG. ABUT. 1	5+02.91	294.46	5+01.95	294.36	5+00.98	294.24	5+00.02	294.28	4+99.06	294.32	4+98.10	294.36
0.1L	5+09.51	294.70	5+08.55	294.61	5+07.58	294.49	5+06.62	294.54	5+05.66	294.58	5+04.70	294.63
0.2L	5+16.11	294.90	5+15.15	294.82	5+14.18	294.71	5+13.22	294.76	5+12.26	294.81	5+11.30	294.86
0.3L	5+22.71	295.06	5+21.75	294.98	5+20.78	294.88	5+19.82	294.94	5+18.86	294.99	5+17.90	295.05
0.4L	5+29.31	295.18	5+28.35	295.11	5+27.38	295.01	5+26.42	295.07	5+25.46	295.14	5+24.50	295.20
0.5L	5+35.91	295.26	5+34.95	295.19	5+33.98	295.10	5+33.02	295.17	5+32.06	295.24	5+31.10	295.31
0.6L	5+42.51	295.29	5+41.55	295.23	5+40.58	295.15	5+39.62	295.22	5+38.66	295.30	5+37.70	295.37
0.7L	5+49.11	295.29	5+48.15	295.23	5+47.18	295.15	5+46.22	295.23	5+45.26	295.32	5+44.30	295.40
0.8L	5+55.71	295.24	5+54.75	295.19	5+53.78	295.12	5+52.82	295.20	5+51.86	295.29	5+50.90	295.38
0.9L	5+62.31	295.15	5+61.35	295.11	5+60.38	295.04	5+59.42	295.13	5+58.46	295.23	5+57.50	295.32
☉ BRG. ABUT 2	5+68.91	295.02	5+67.95	294.98	5+66.98	294.92	5+66.02	295.02	5+65.06	295.12	5+64.10	295.22
	BEAM 7		BEAM 8		BEAM 9		BEAM 10		BEAM 11		BEAM 12	
	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION
☉ BRG. ABUT. 1	4+97.12	294.30	4+96.16	294.18	4+95.20	294.05	4+94.24	293.93	4+93.28	293.98	4+92.31	293.99
0.1L	5+03.72	294.58	5+02.76	294.46	5+01.80	294.34	5+00.84	294.22	4+99.88	294.28	4+98.91	294.30
0.2L	5+10.32	294.82	5+09.36	294.71	5+08.40	294.59	5+07.44	294.48	5+06.48	294.54	5+05.51	294.57
0.3L	5+16.92	295.02	5+15.96	294.91	5+15.00	294.80	5+14.04	294.69	5+13.08	294.76	5+12.11	294.79
0.4L	5+23.52	295.17	5+22.56	295.07	5+21.60	294.97	5+20.64	294.87	5+19.68	294.94	5+18.71	294.98
0.5L	5+30.12	295.28	5+29.16	295.19	5+28.20	295.09	5+27.24	295.00	5+26.28	295.08	5+25.31	295.12
0.6L	5+36.72	295.36	5+35.76	295.27	5+34.80	295.18	5+33.84	295.09	5+32.88	295.18	5+31.91	295.22
0.7L	5+43.32	295.39	5+42.36	295.30	5+41.40	295.22	5+40.44	295.14	5+39.48	295.23	5+38.51	295.28
0.8L	5+49.92	295.38	5+48.96	295.30	5+48.00	295.22	5+47.04	295.14	5+46.08	295.24	5+45.11	295.30
0.9L	5+56.52	295.32	5+55.56	295.25	5+54.60	295.18	5+53.64	295.11	5+52.68	295.21	5+51.71	295.28
☉ BRG. ABUT 2	5+63.12	295.23	5+62.16	295.16	5+61.20	295.10	5+60.24	295.03	5+59.28	295.14	5+58.31	295.22



LEGEND:
PPC POLYESTER POLYMER CONCRETE

- NOTES:**
- FOR GENERAL NOTES, SEE SHEET 3.
 - FOR FRAMING PLAN, SEE SHEET 25.
 - FOR SLAB PLAN, SEE SHEET 30.
 - FOR BREAK-IN-SLOPE, SEE SHEET 34.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
DECK ELEVATIONS OVER CENTERLINE BEAMS

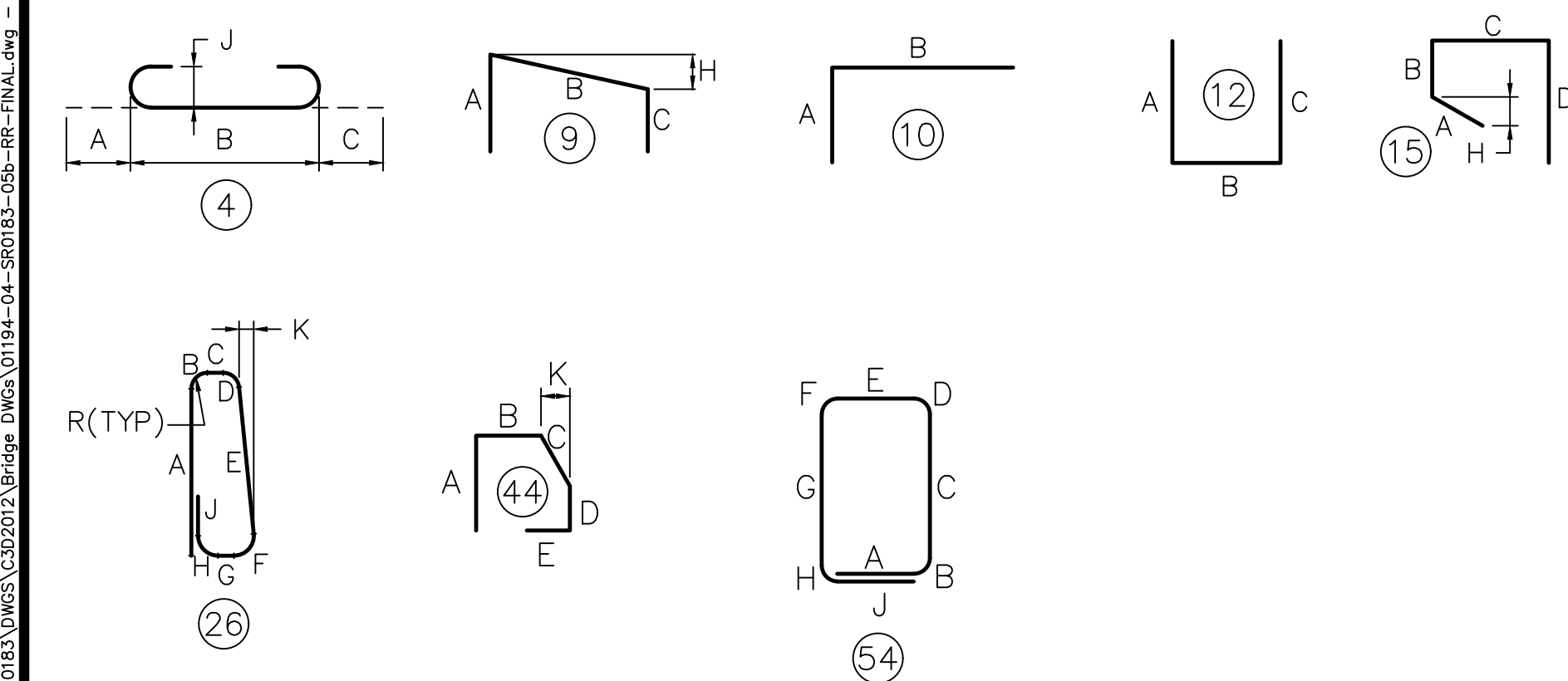
RECOMMENDED 10 / 27 / 2022

SHEET 35 OF 54

S-36195



DES:	BDT	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

[illegible]

- E PREFIX INDICATES EPOXY COATED.
- "J" DIMENSIONS ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD HOOKS ARE TO BE USED.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 135° AND 180° HOOKS, AND "R" WHICH IS SHOWN TO THE INSIDE OF THE BAR.
- FOR REINFORCEMENT BAR FABRICATION DETAILS, REFER TO STANDARD DRAWING BC-736M.
- FIGURES IN CIRCLES DENOTE TYPE.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

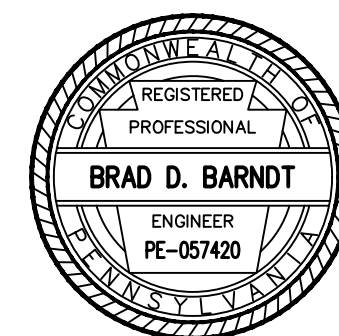
SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
SUPERSTRUCTURE BAR SCHEDULE

RECOMMENDED 10 / 27 / 2022 SHEET 36 OF 54

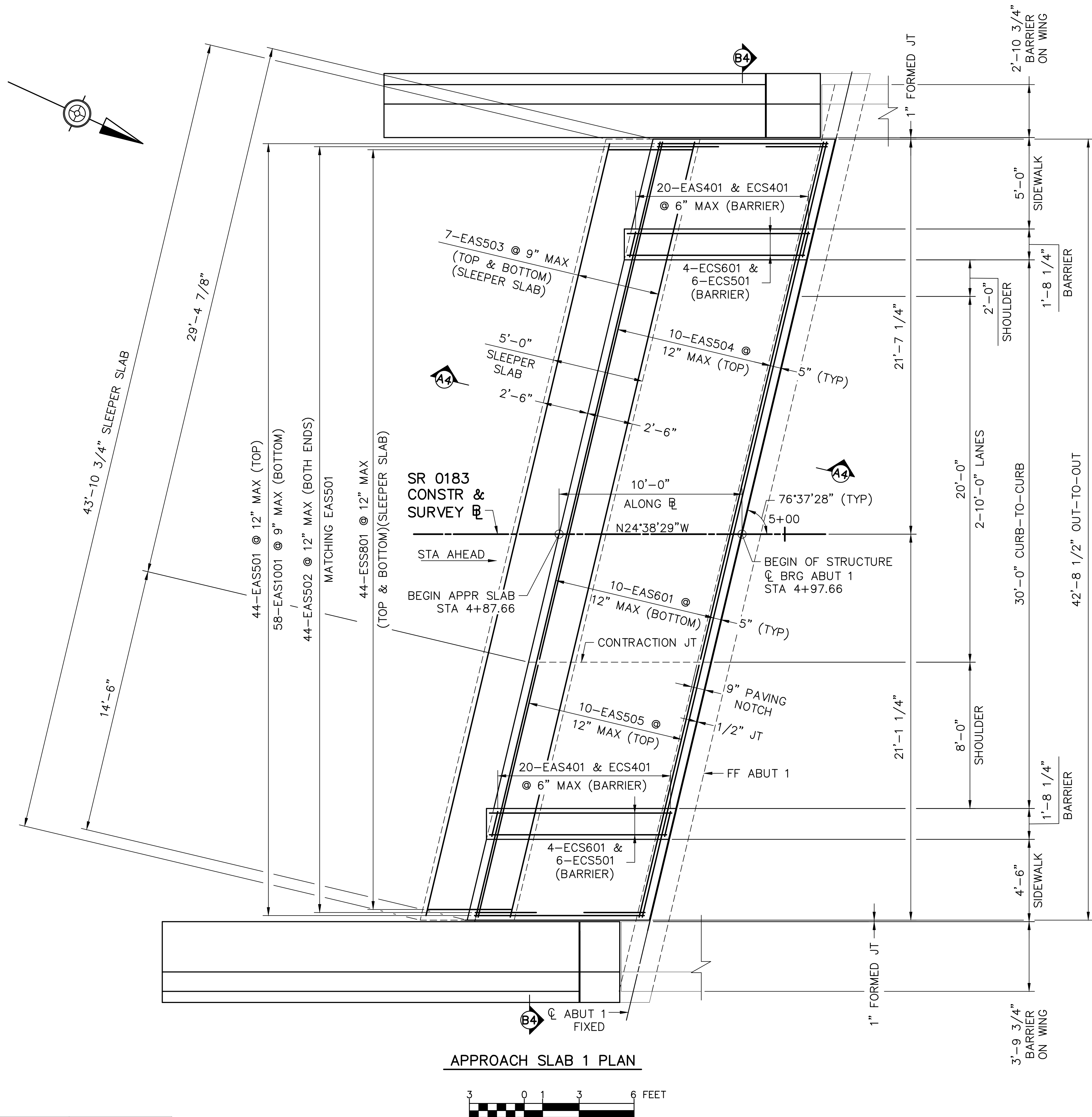
6-36195



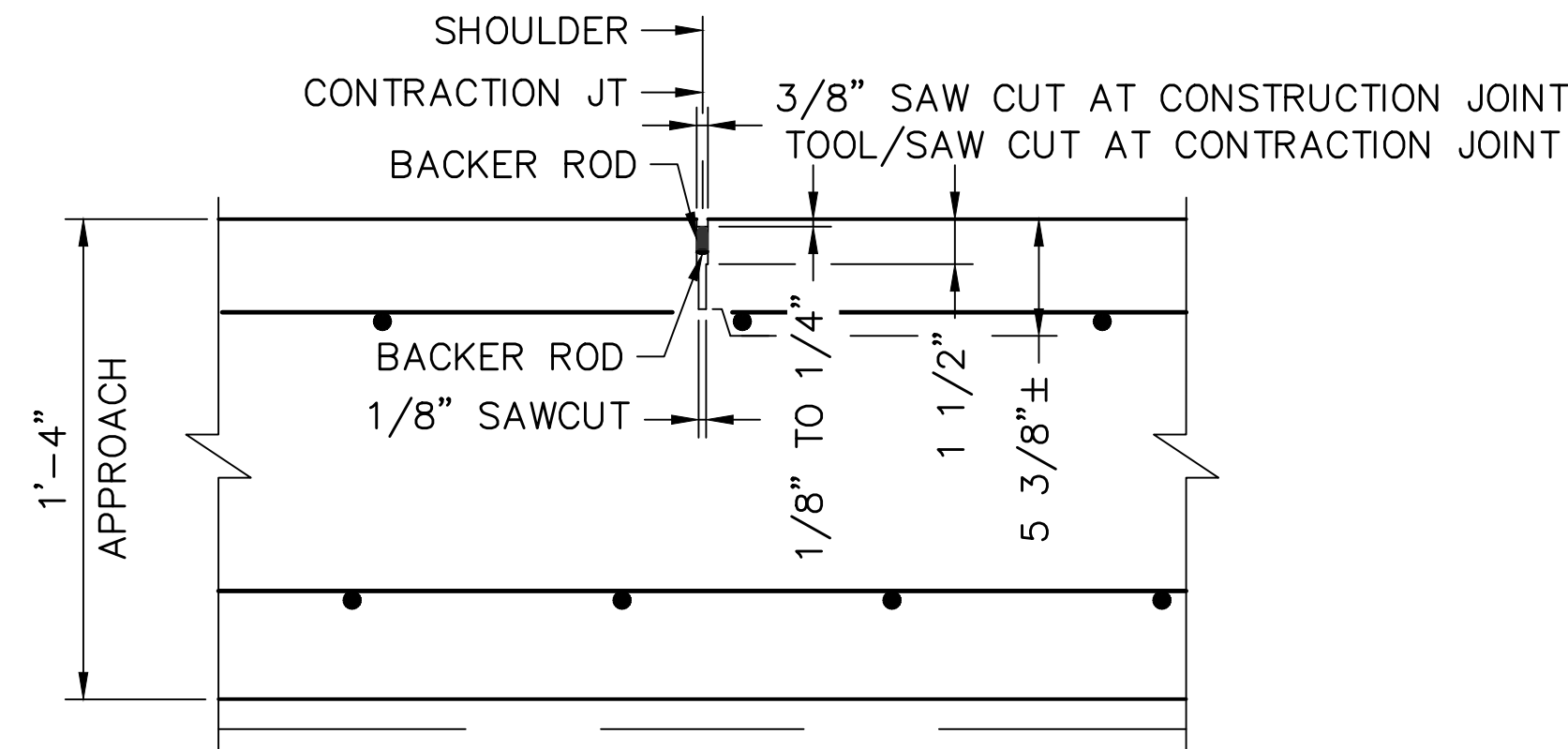
DES:	BDT	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

\\s01\0194\0194-04-SR_0183\DWG\CD\2012\Bridg DWG\0194-04-SR0183-05B-FR-FINAL.dwg - APPROACH SLAB PLAN 1 - 8/29/2022 3:02 PM

DES:	BDT	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB



APPROACH SLAB 1 PLAN



CONTRACTION JOINT SEALING DETAILS
(NOT TO SCALE)

JOINT NOTES:

1. TOP REINFORCEMENT NOT CONTINUOUS THRU JOINT. BOTTOM REINFORCEMENT CONTINUOUS THRU JOINT.
2. FOR JOINT SEALING MATERIAL, REFER TO PUB 408 SECTION 501.2 AND 705.4 (a), (b) OR (d).

LEGEND:

FF FRONT FACE

NOTES:

1. FOR GENERAL NOTES, SEE SHEET 3.
2. FOR SECTION A4-A4 AND FORMING DETAILS, SEE SHEET 38.
3. FOR SECTION B4-B4, SEE SHEET 39.
4. FOR APPROACH SLAB 1 BAR SCHEDULE, SEE SHEET 40.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

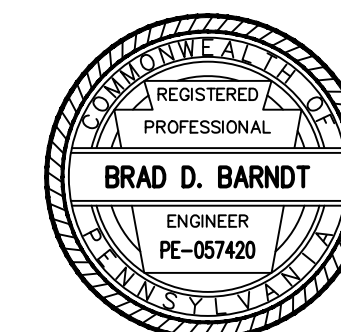
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
APPROACH SLAB 1 PLAN

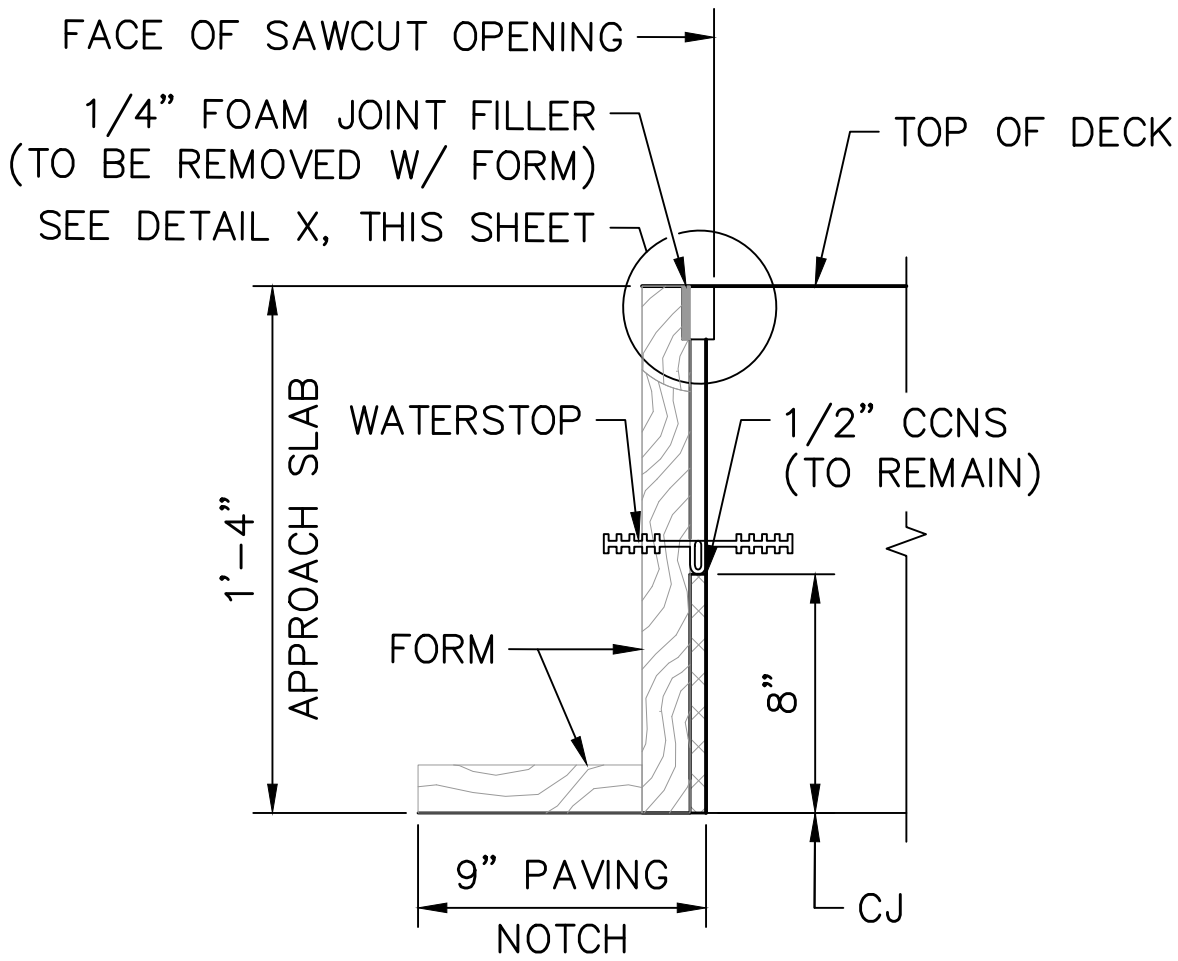
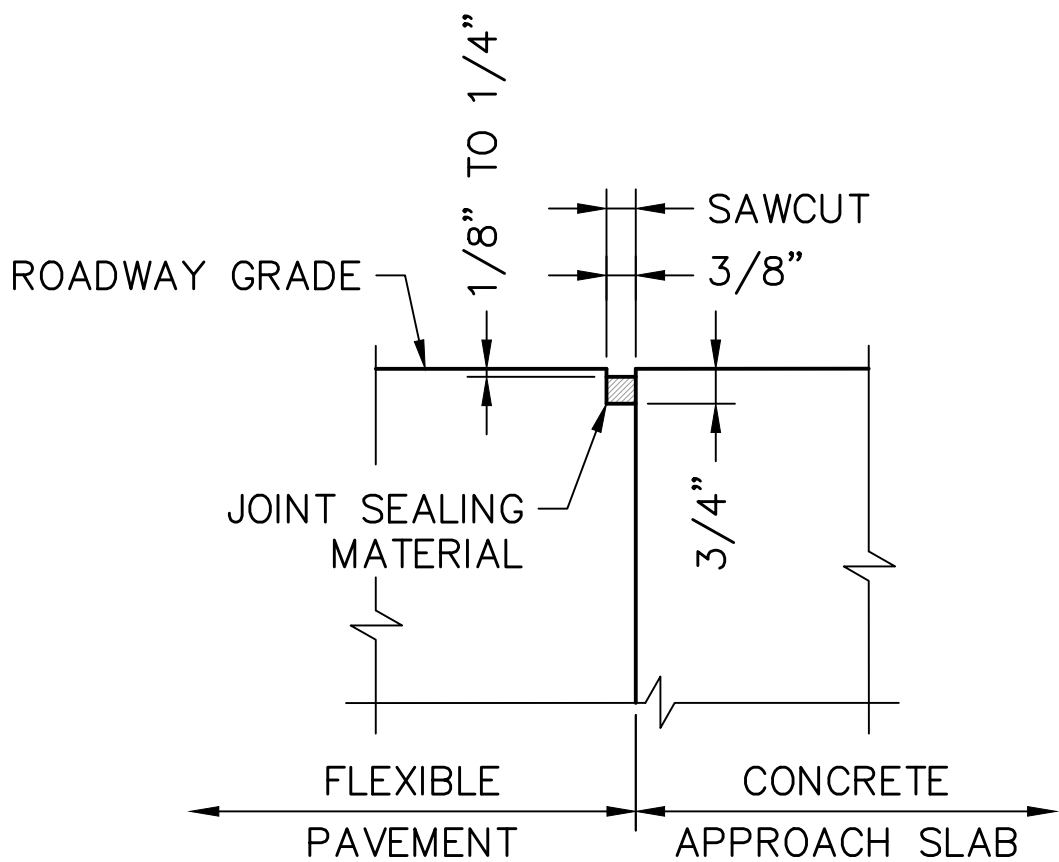
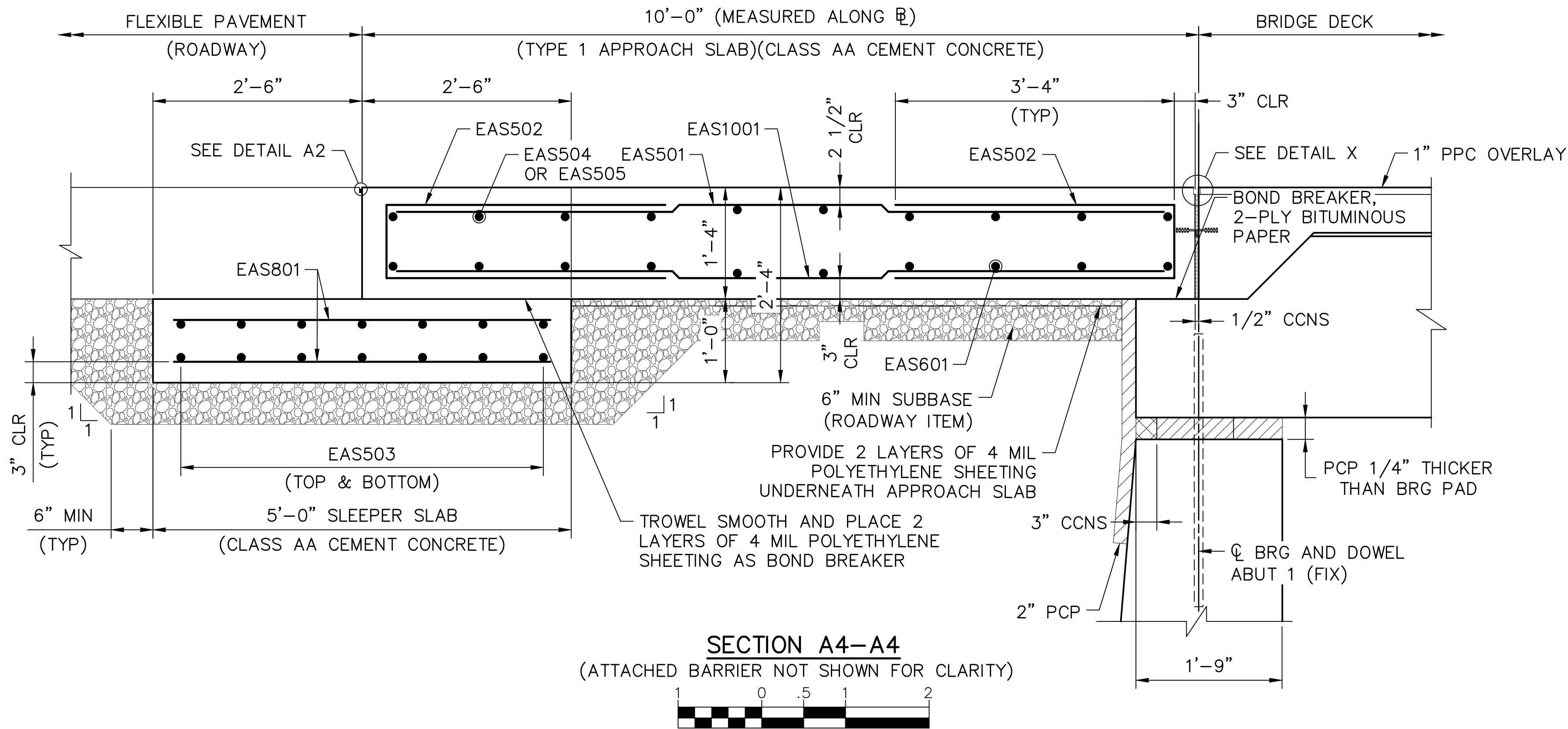
RECOMMENDED 10 / 27 / 2022

SHEET 37 OF 54

S-36195



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TYPE 1 APPROACH SLAB FORMING DETAIL
NOT TO SCALE

JOINT PREPARATION NOTES:

1. THE JOINT OPENING IS TO BE FORMED BY A TWO-STAGE SAWING OPERATION WHERE ACCESSIBLE. WHERE ACCESSIBILITY IS LIMITED, THE JOINT OPENING SHALL BE FORMED. THE FIRST SAW CUT IS DESIGNED TO CONTROL CRACKING. THE SECOND SAW CUT IS MADE USING A DOUBLE-BLADED WATER-COOLED SAW CAPABLE OF HOLDING A TOLERANCE OF $\pm 1/16$ " TO CREATE THE PROPER OPENING FOR THE PREFORMED NEOPRENE COMPRESSION SEAL OR INVERTED V JOINT SEAL.
2. WATER BLAST OPENING IMMEDIATELY FOLLOWING SAW CUTTING OPERATION TO REMOVE ANY RESIDUAL SLURRY BEFORE IT DRIES.
3. THE DEPTH OF THE JOINT OPENING EQUALS THE HEIGHT OF THE SEAL PLUS 1". THE WIDTH OF THE SECOND SAW CUT SHOULD BE ADJUSTED TO ACCOUNT FOR THE CONCRETE SURFACE TEMPERATURE AT THE TIME OF SAWING, SEE MANUFACTURER'S PRODUCT INFORMATION.
4. BEFORE INSTALLING THE SEAL, ABRASIVE BLAST THE BONDING SURFACES TO THOROUGHLY CLEAN THE JOINT OPENING AND REMOVE FOREIGN MATERIAL, INCLUDING BROKEN CONCRETE. USE WATER AND OIL FREE COMPRESSED AIR TO BLOW OUT RESIDUE FROM THE SEAL GROOVE OPENING.
5. PREPARE BONDING SURFACES AND INSTALL JOINT SEAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
6. DO NOT EXCEED 3% ELONGATION OF THE SEAL, IF STRETCHING OCCURS.
7. USE ONLY APPROVED SEALS, AS LISTED IN BULLETIN 15. INSTALL JOINT SEALS TO A UNIFORM DEPTH WITH THE TOP OF THE SEAL FROM 1/4" TO 1/2" BELOW THE LEVEL OF THE CHAMFER. MAKE THE TOP EDGES OF THE CONTACT SURFACES ON BOTH SIDES OF THE SEAL AT THE SAME ELEVATION.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
APPROACH SLAB 1 SECTION AND DETAILS-1

RECOMMENDED 10 / 27 / 2022

SHEET 38 OF 54

S-36195

LEGEND:

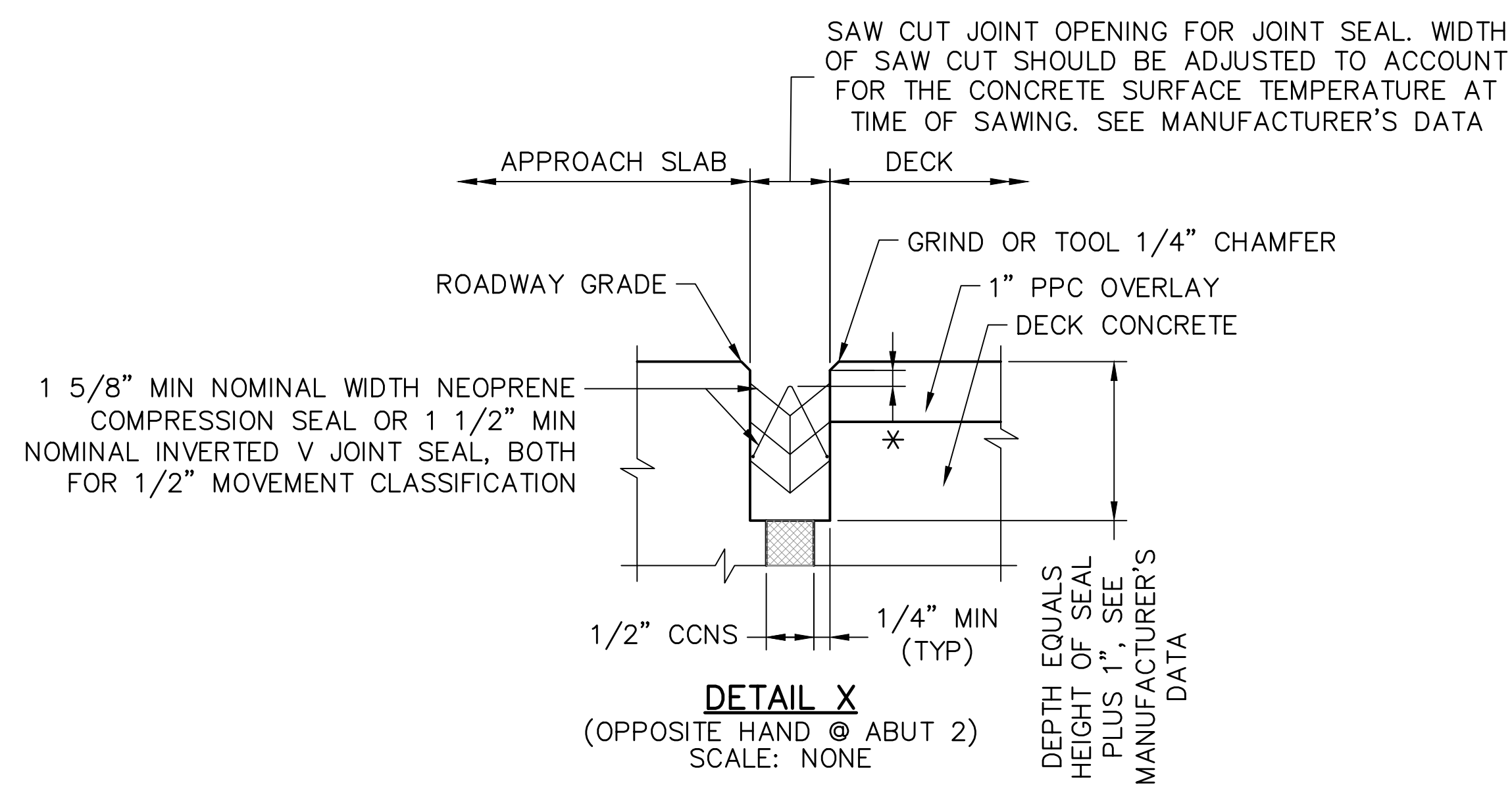
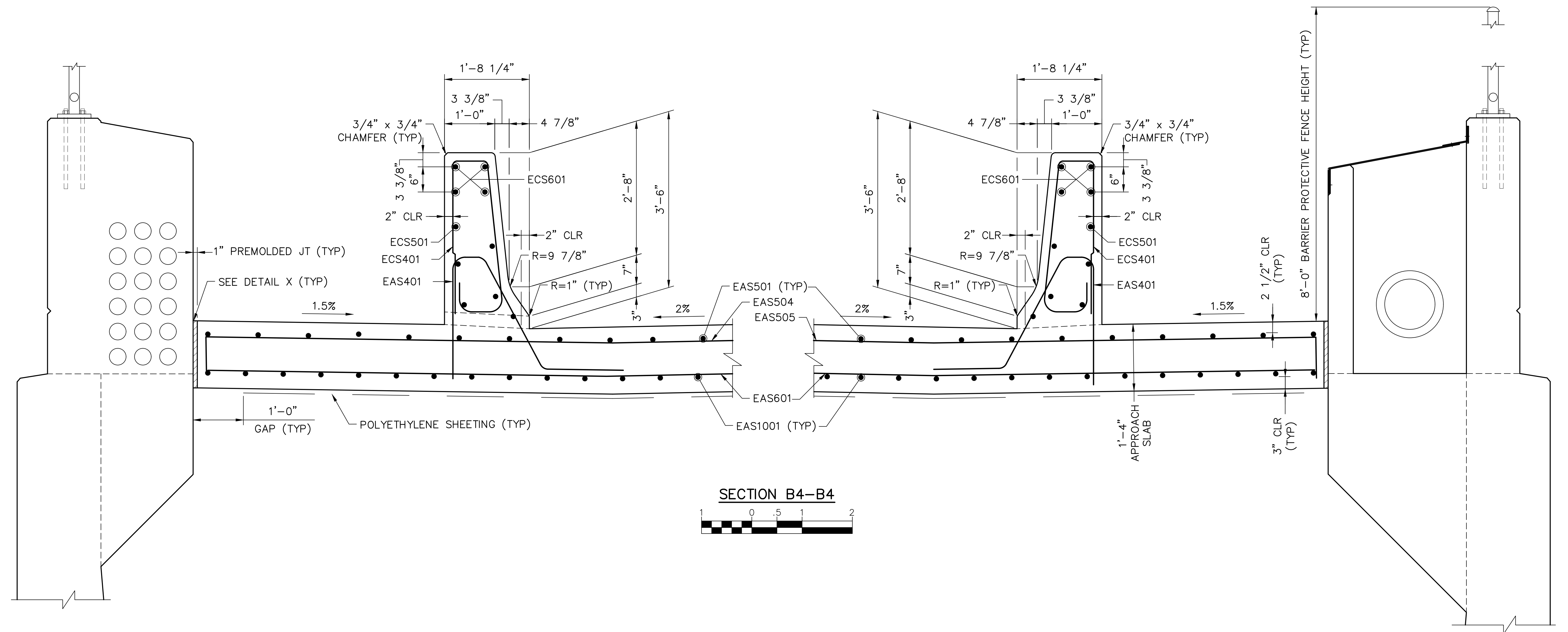
CCNS CLOSED CELL NEOPRENE SPONGE
PCP PREFORMED CELLULAR POLYSTYRENE
CJ CONSTRUCTION JOINT

NOTES:

1. FOR APPROACH SLAB PLAN 1, SEE SHEET 37.
3. FOR DETAIL X, SEE SHEET 39.
4. FOR APPROACH SLAB 1 BAR SCHEDULE, SEE SHEET 40.



DES:	BDT	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB



LEGEND:

- * 1/4" TO 3/8" FOR NEOPRENE COMPRESSION SEAL
3/8" TO 1/2" FOR INVERTED V JOINT SEAL

1. FOR APPROACH SLAB 1 PLAN, SEE SHEET 37.
2. FOR ADDITIONAL APPROACH SLAB DETAILS,
SEE SHEET 38.
3. FOR APPROACH SLAB 1 BAR SCHEDULE, SEE SHEET 40.

CHK'D:	BDB
CHK'D:	BDB

DWG:	JTP
------	-----

CHK'D:	BDB
--------	-----

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
APPROACH SLAB 1 SECTION AND DETAILS-2

RECOMMENDED 10 / 27 / 2022

SHEET 39 OF 54

6-36195

REINFORCEMENT BAR SCHEDULE

[illegible]

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

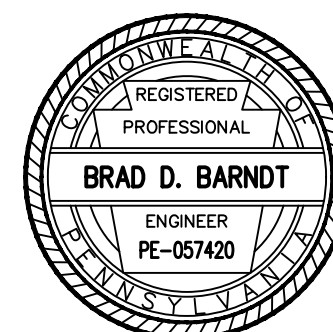
SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

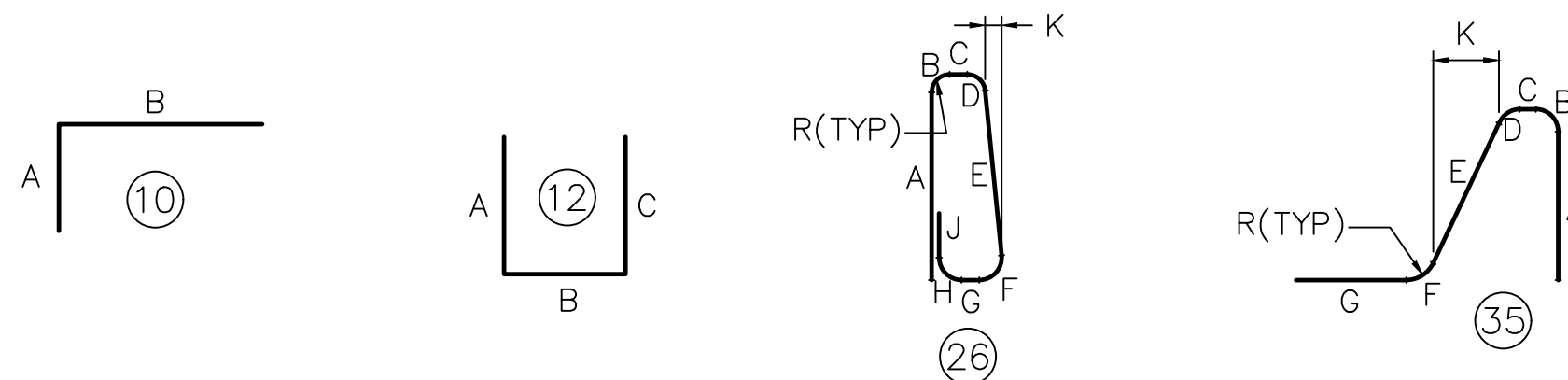
BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
APPROACH SLAB 1 BAR SCHEDULE

RECOMMENDED 10 / 27 / 2022 SHEET 40 OF 54

S-36195

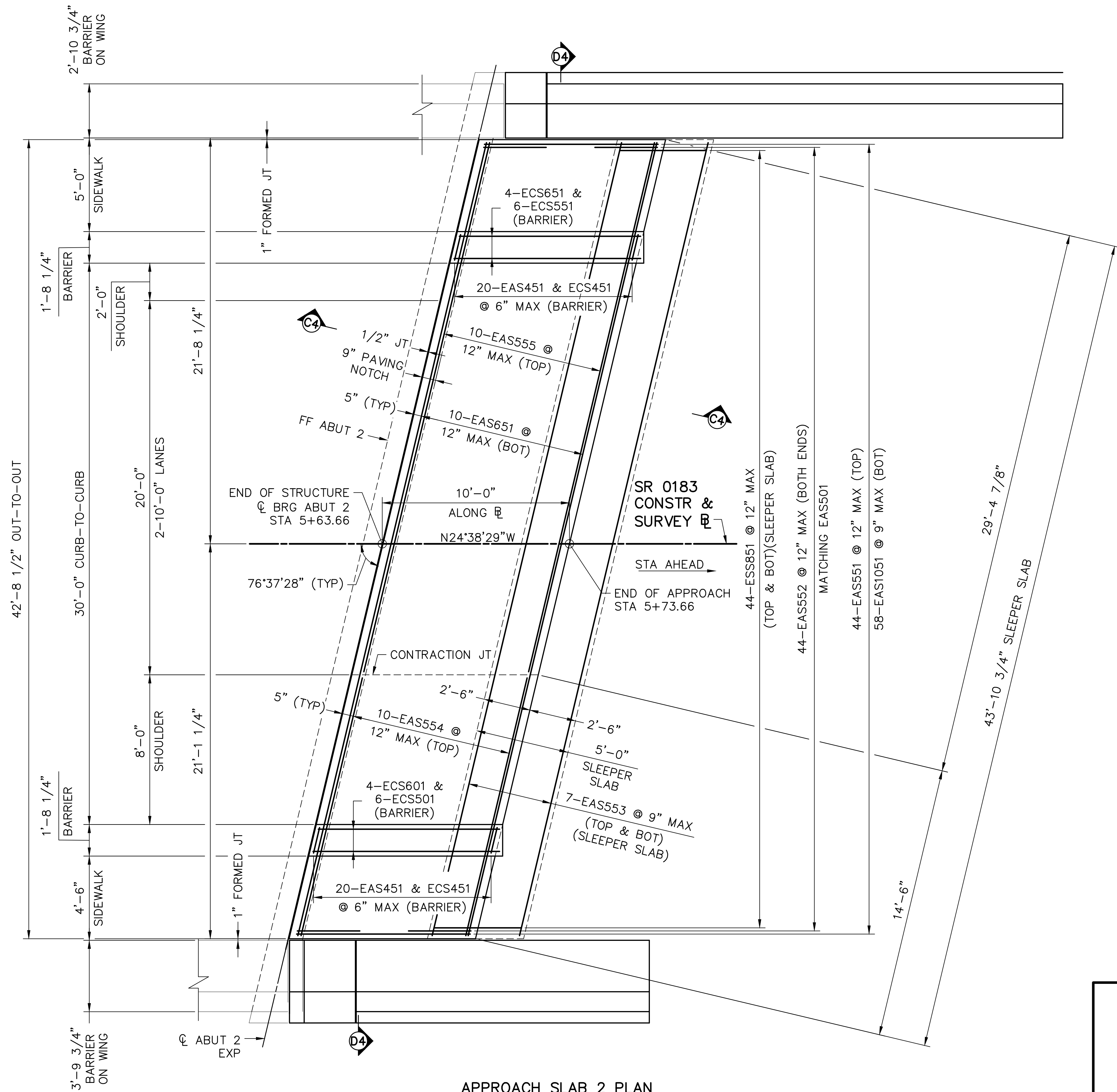


- E PREFIX INDICATES EPOXY COATED.
- "J" DIMENSIONS ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD HOOKS ARE TO BE USED.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 135° AND 180° HOOKS, AND "R" WHICH IS SHOWN TO THE INSIDE OF THE BAR.
- FOR REINFORCEMENT BAR FABRICATION DETAILS, REFER TO STANDARD DRAWING BC-736M.
- FIGURES IN CIRCLES DENOTE TYPE.



DES:	BDT	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

\\VA01\0194\0194-04-SR_0183\DWG3\CD\2012\Bridg DWG\0194-04-SR0183-05B-FR-FINAL.dwg - APPROACH SLAB PLAN 2 - 8/29/2022 3:02 PM



APPROACH SLAB 2 PLAN



LEGEND:

FF FRONT FACE

NOTES:

1. FOR CONTRACTION JOINT DETAILS, SEE SHEET 37.
2. FOR JOINT FORMING DETAIL, SEE SHEET 38.
3. FOR SECTION C4-C4 AND B4-B4, SEE SHEET 42.
4. FOR APPROACH SLAB 2 BAR SCHEDULE, SEE SHEET 43.

Mark	Description	By	Chk'd	Rec'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

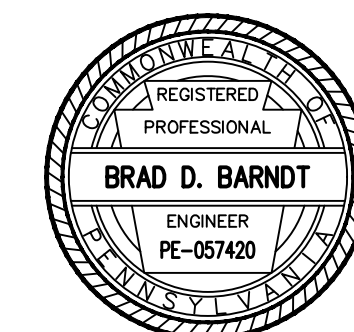
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
APPROACH SLAB 2 PLAN

RECOMMENDED 10 / 27 / 2022

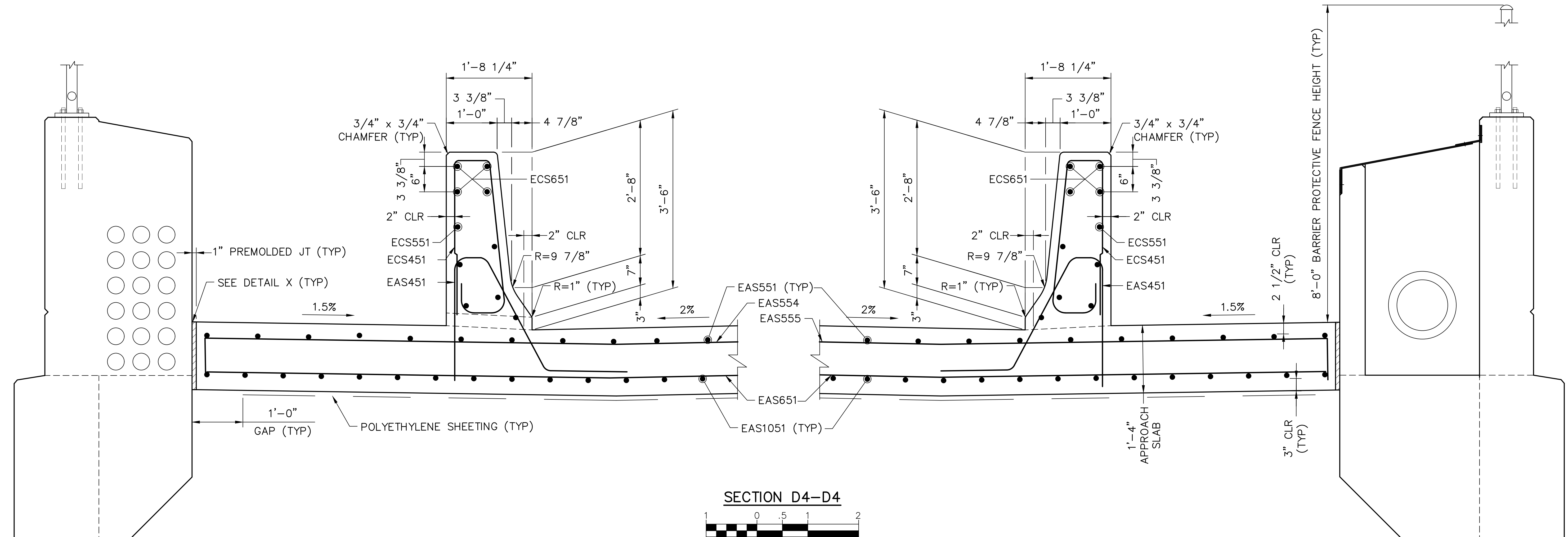
SHEET 41 OF 54

S-36195



DES:	BDT	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

\\VA01\01194\01194-04 - SR 0183\DWG3\CD2013\bridge\DWG\01194-04-SR0183-05B-FR-FINAL.dwg - APPR 2 DETAILS - 8/29/2023 3:02 PM

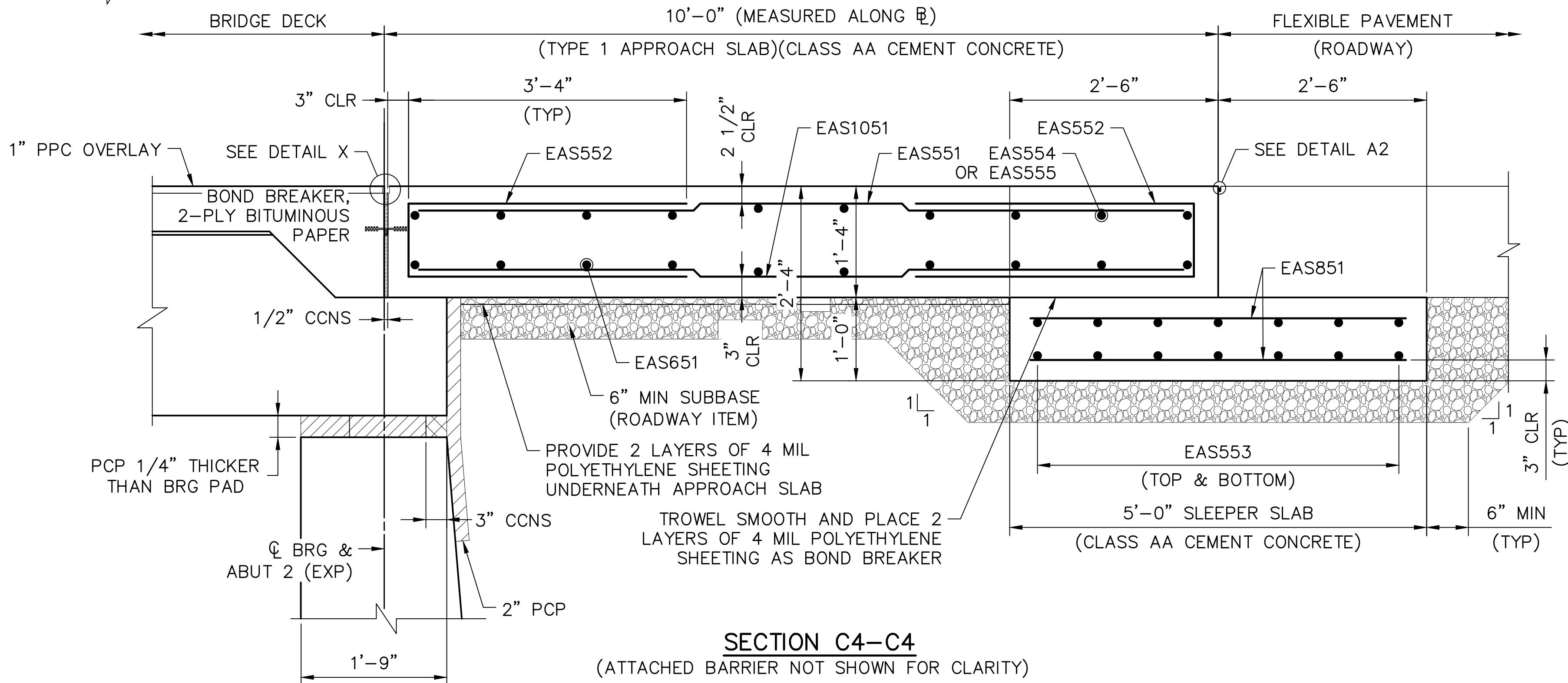


LEGEND:

FF FRONT FACE
CCNS CLOSED CELL NEOPRENE SPONGE
PCP PREFORMED CELLULAR POLYSTYRENE

NOTES:

1. FOR DETAIL A2, SEE SHEET 38.
2. FOR DETAIL X, SEE SHEET 39.
3. FOR APPROACH SLAB 2 PLAN & SECTION LOCATION, SEE SHEET 41.
4. FOR APPROACH SLAB 2 BAR SCHEDULE, SEE SHEET 43.



Mark	Description	By	Chk'd	Rec'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
APPROACH SLAB 2 SECTION AND DETAILS

RECOMMENDED 10 / 27 / 2022

SHEET 42 OF 54

S-36195



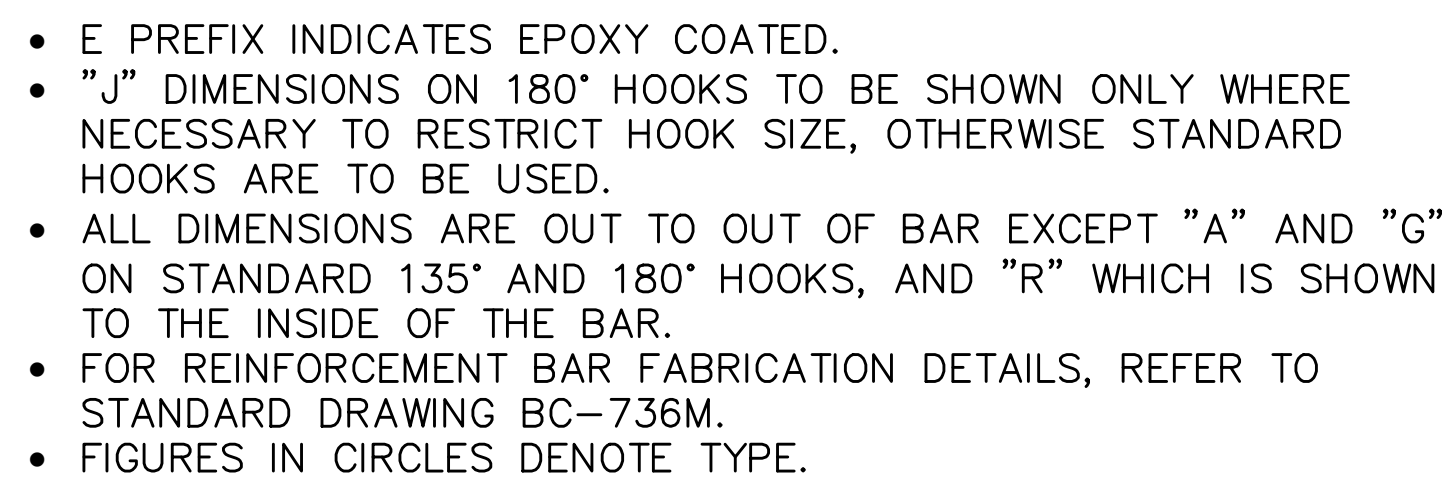
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DWG:	JTP	CHK'D:	XXX

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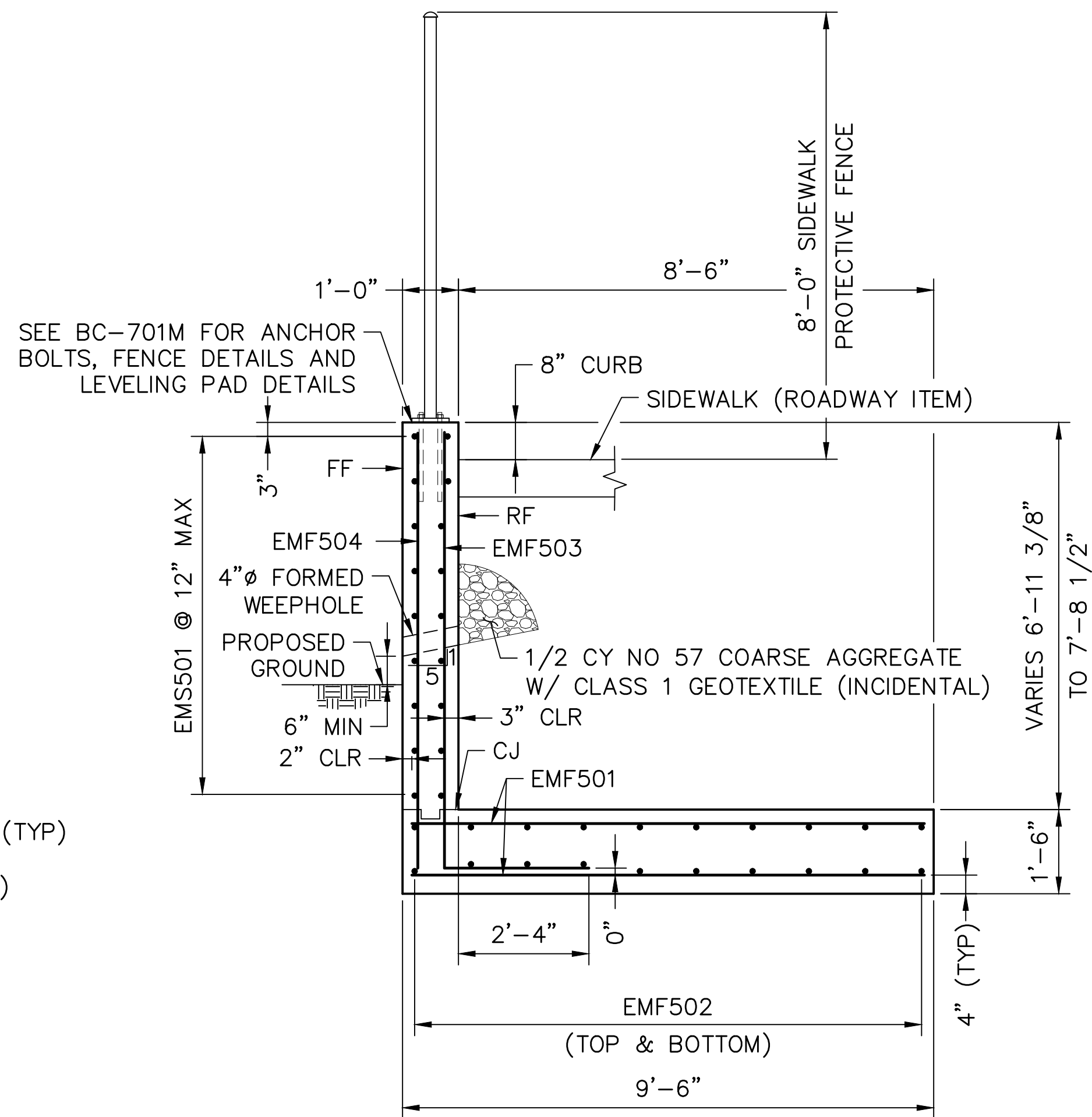
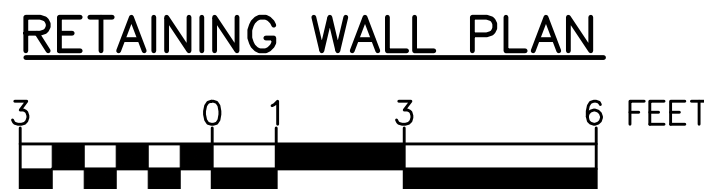
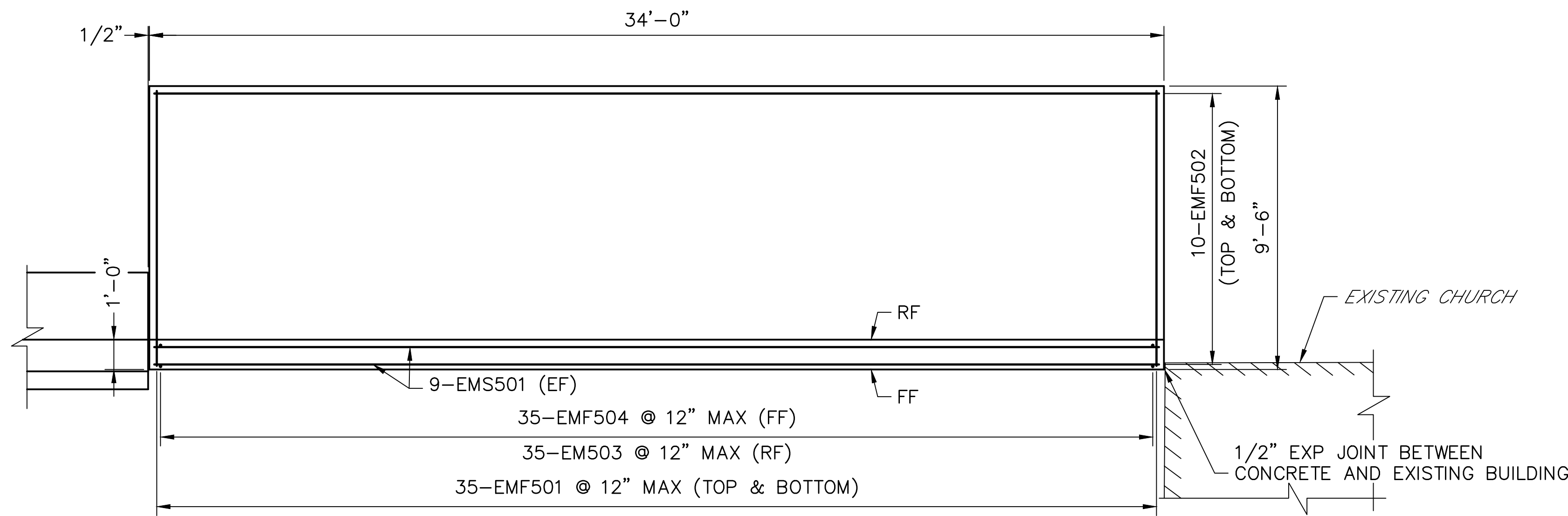
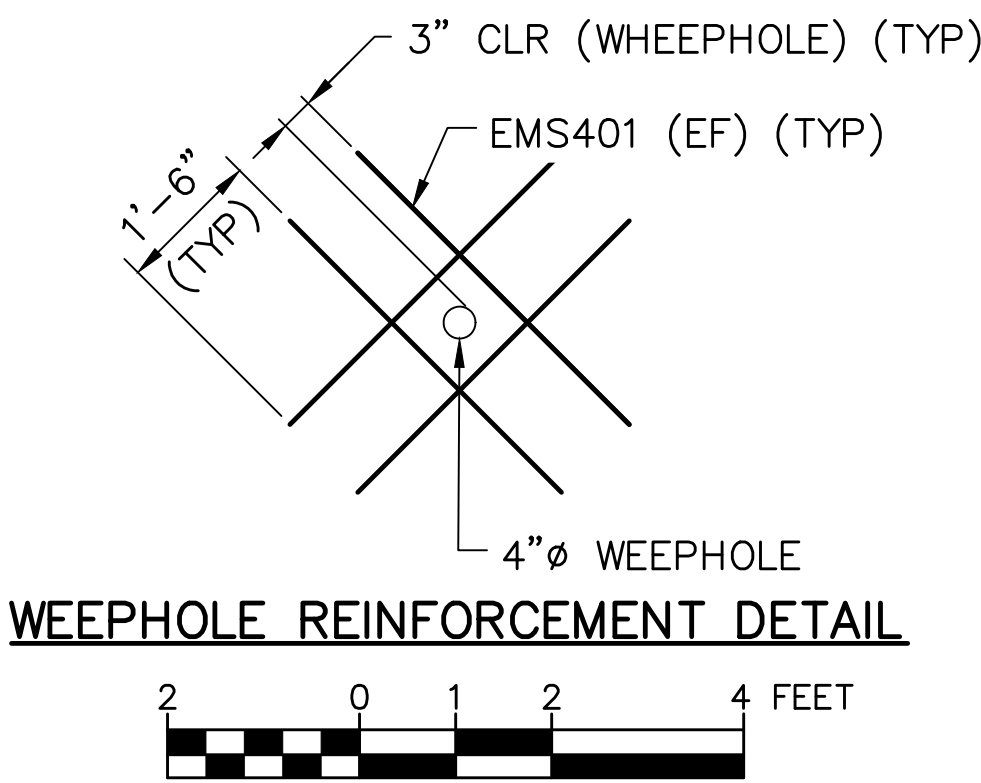
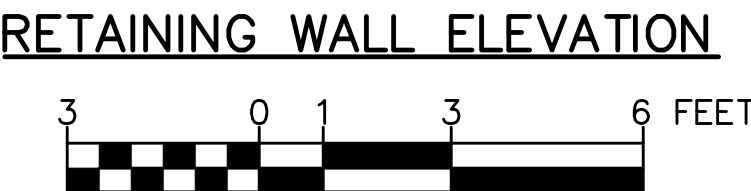
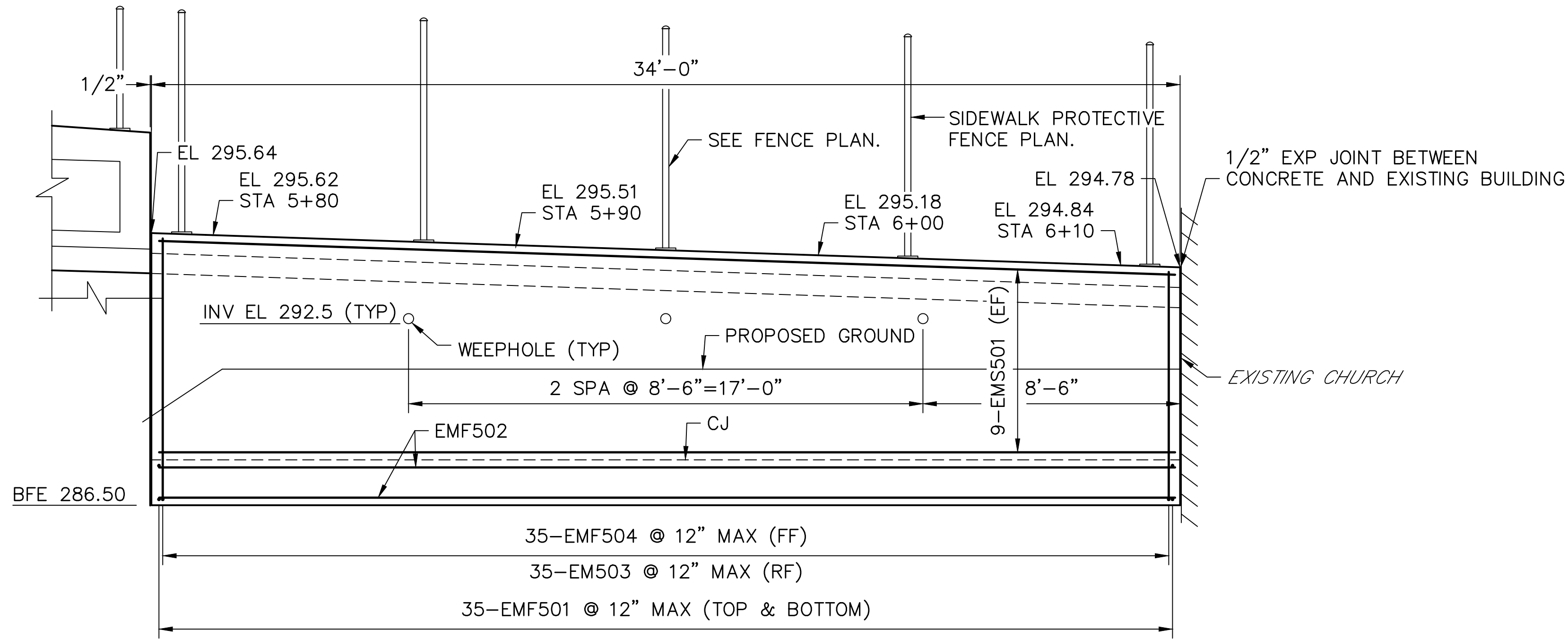
SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
APPROACH SLAB 2 BAR SCHEDULE

COMMONWEALTH OF
PENNSYLVANIA
REGISTERED
PROFESSIONAL
BRAD D. BARNDT
ENGINEER
PE-057420



W:\01\01194\01194-04__SR 0183\DWGS\C3D2012\Bridge DWGs\01194-04-SR0183-05b-RR-FINAL.dwg - APPR 2 REINF - 8/29/2022 3:02 PM



- LEGEND:**
- FF FRONT FACE
 - RF REAR FACE
 - EF EACH FACE
 - CJ CONSTRUCTION JOINT

- NOTES:**
- FOR GENERAL PLAN, SEE SHEET 1.
 - FOR GENERAL NOTES, SEE SHEET 3.
 - FOR FENCE PLAN, SEE SHEET 33.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

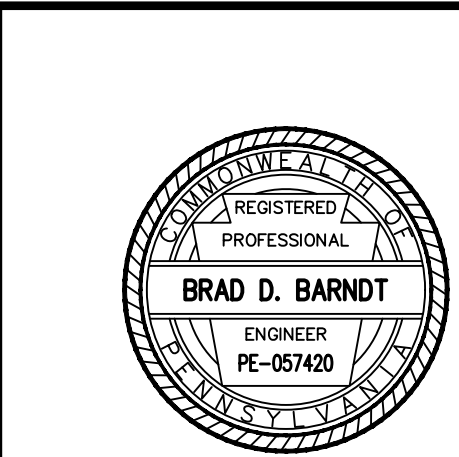
SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
RETAINING WALL

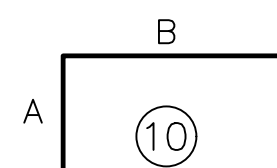
RECOMMENDED 10 / 27 / 2022

SHEET 44 OF 54
S-36195



\\s01\0194\0194-04-SR 0183\DWG3\CD2022\Bridge DWG\0194-04-SR0183-05B-FR-FINAL.dwg - moment.sld - 8/25/2022 3:03 PM

DES:	TML	CHK'D:	BDB
DWG:	JTP	CHK'D:	BDB

[illegible]

- E PREFIX INDICATES EPOXY COATED.
- "J" DIMENSIONS ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD HOOKS ARE TO BE USED.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 135° AND 180° HOOKS, AND "R" WHICH IS SHOWN TO THE INSIDE OF THE BAR.
- FOR REINFORCEMENT BAR FABRICATION DETAILS, REFER TO STANDARD DRAWING BC-736M.
- FIGURES IN CIRCLES DENOTE TYPE.

DES: BDT	CHK'D: BDB
DWG: JTP	CHK'D: BDB

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

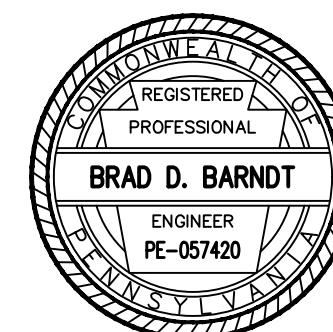
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

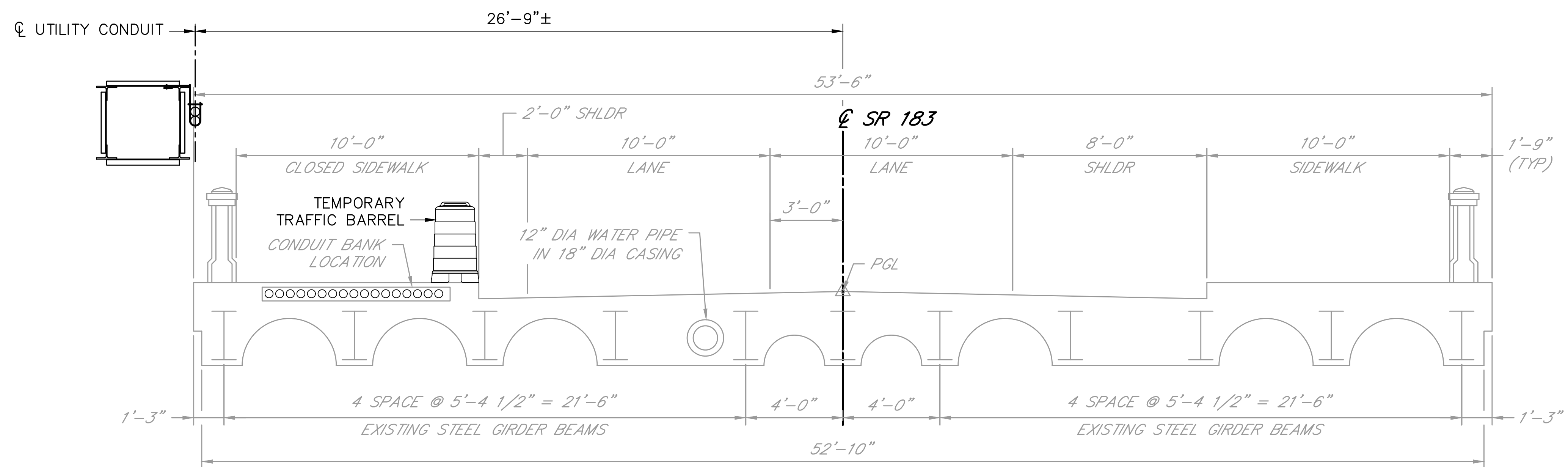
BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
RETAINING WALL BAR SCHEDULE

RECOMMENDED 10 / 27 / 2022

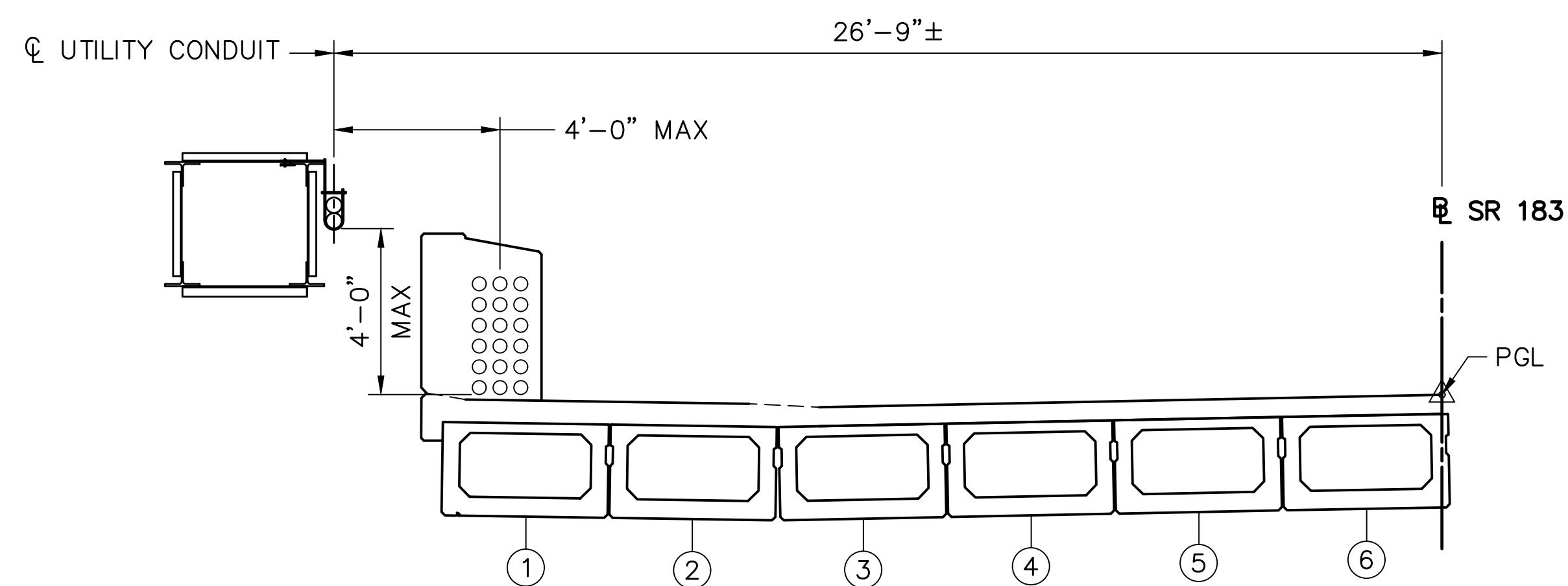
SHEET 45 OF 54

S-36195





EXISTING TYPICAL SECTION



TEMPORARY UTILITY SUPPORT DETAIL



LEGEND:

⊗ BEAM NUMBER

NOTES:

1. WORK THIS PLAN WITH VERIZON UTILITY RELOCATION PLANS AND DETAILS, SEE ROADWAY DRAWINGS.
2. UTILITY BRIDGE TO BE INSTALLED BY VERIZON.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

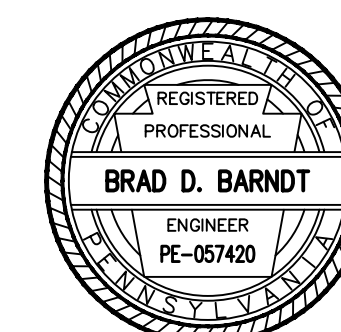
SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
VERIZON TEMPORARY UTILITY SUPPORT

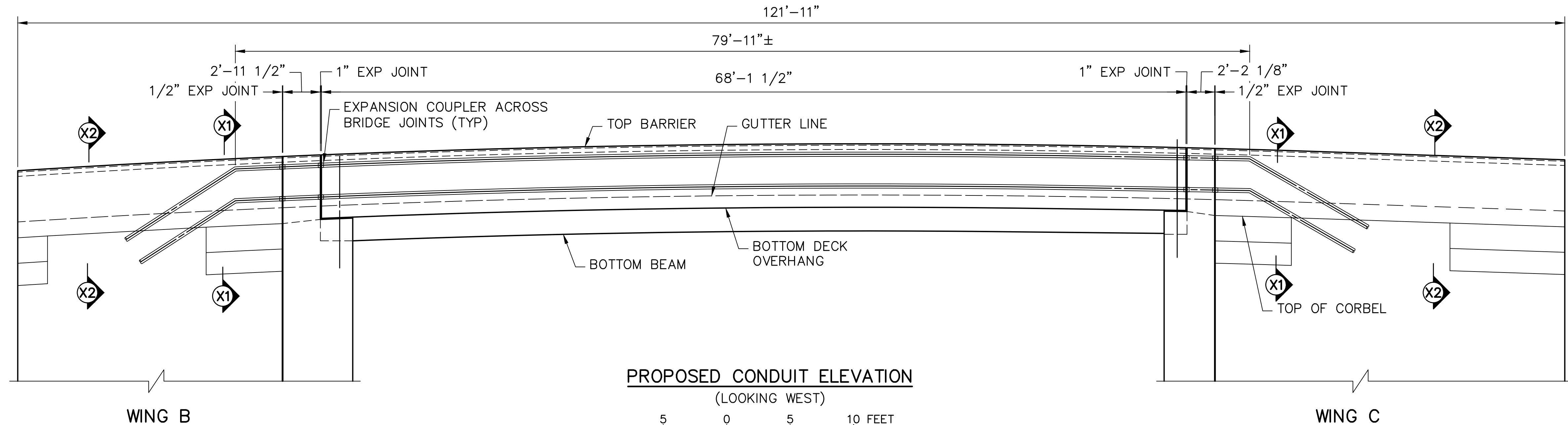
RECOMMENDED 10 / 27 / 2022SHEET 46 OF 54

S-36195

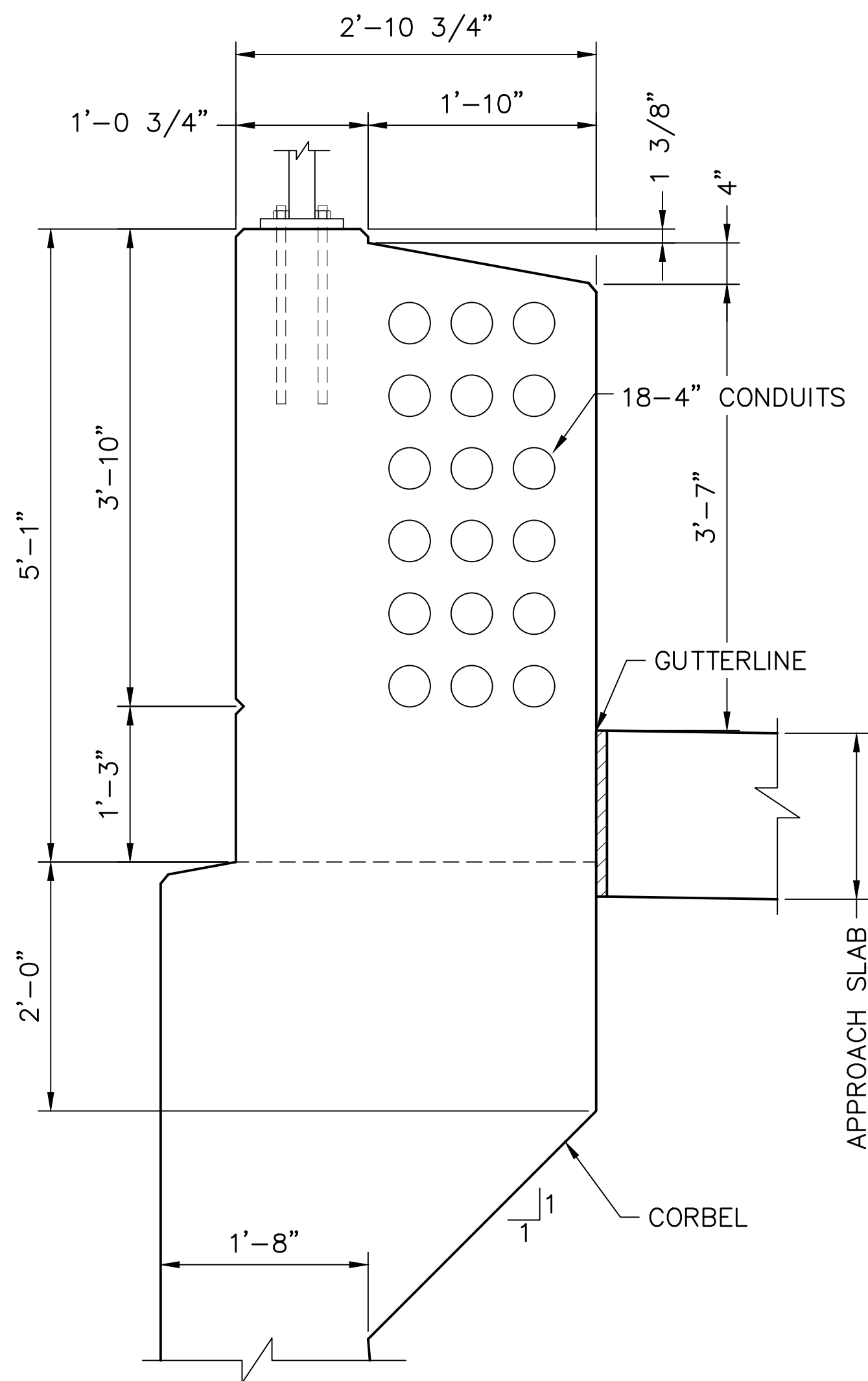


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DWG:	JTP	CHK'D:	BDB

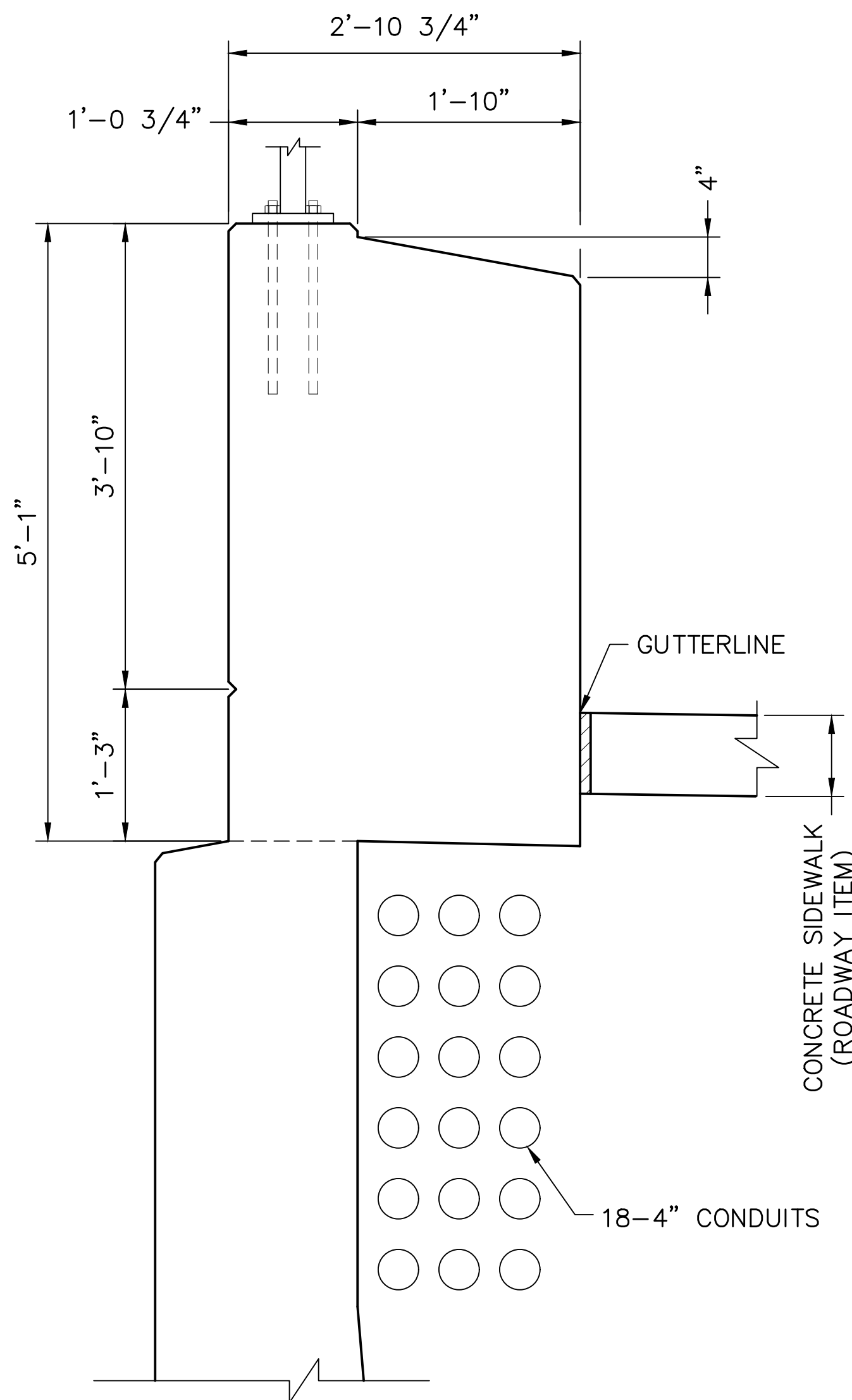
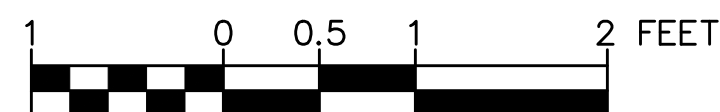
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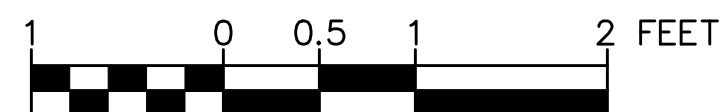
PROPOSED CONDUIT ELEVATION
(LOOKING WEST)



SECTION X1-X1



SECTION X2-X2



NOTES:

1. WORK THIS PLAN WITH VERIZON UTILITY RELOCATION PLANS AND DETAILS, SEE ROADWAY DRAWINGS.
2. UTILITY BRIDGE TO BE INSTALLED BY VERIZON.

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID: 06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

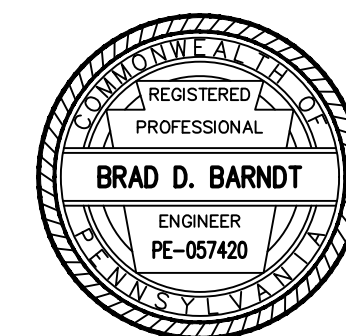
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
VERIZON UTILITIES ELEVATION & DETAILS

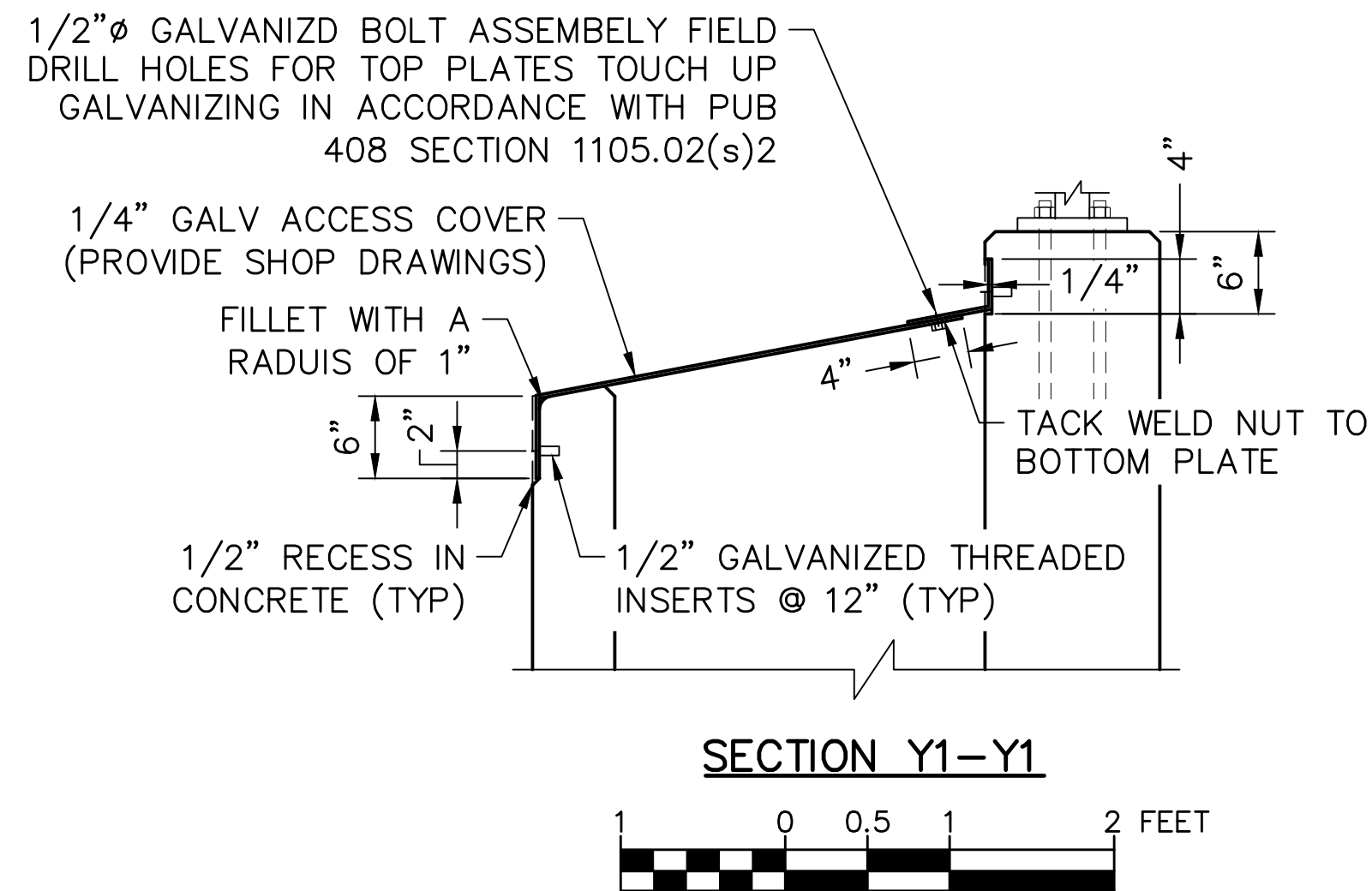
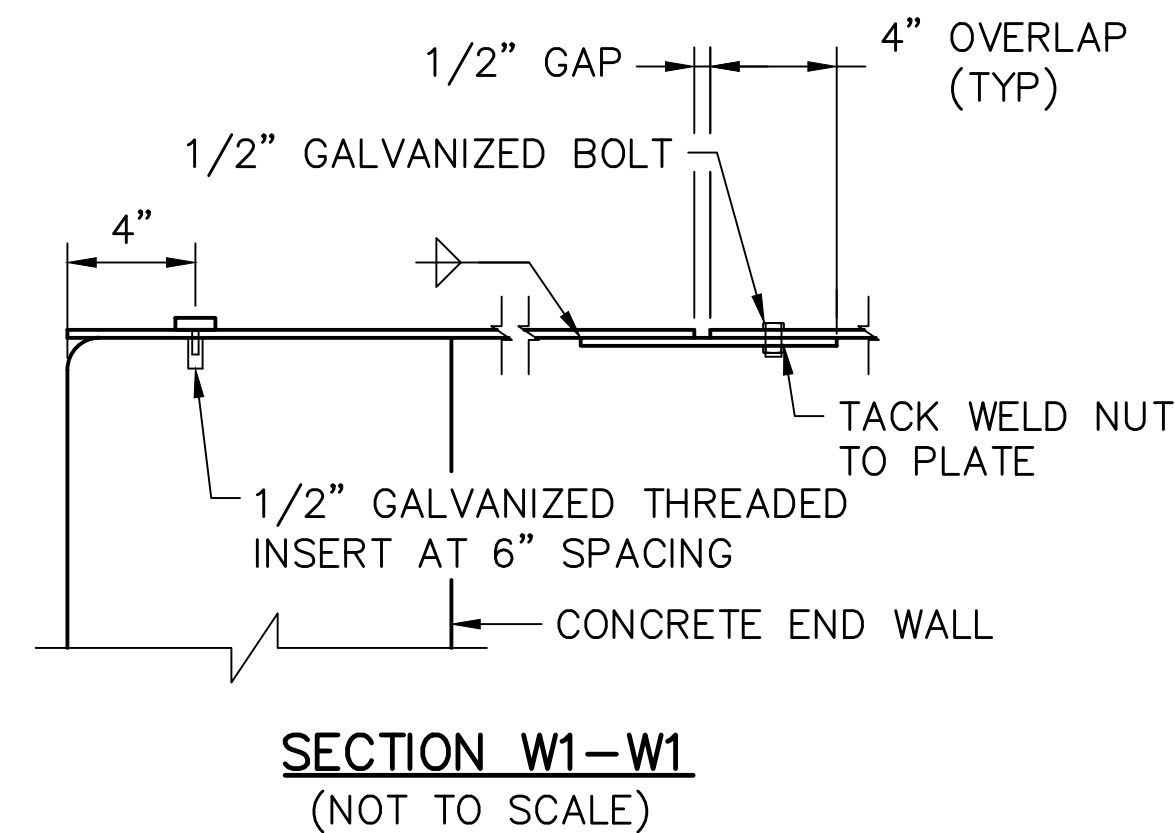
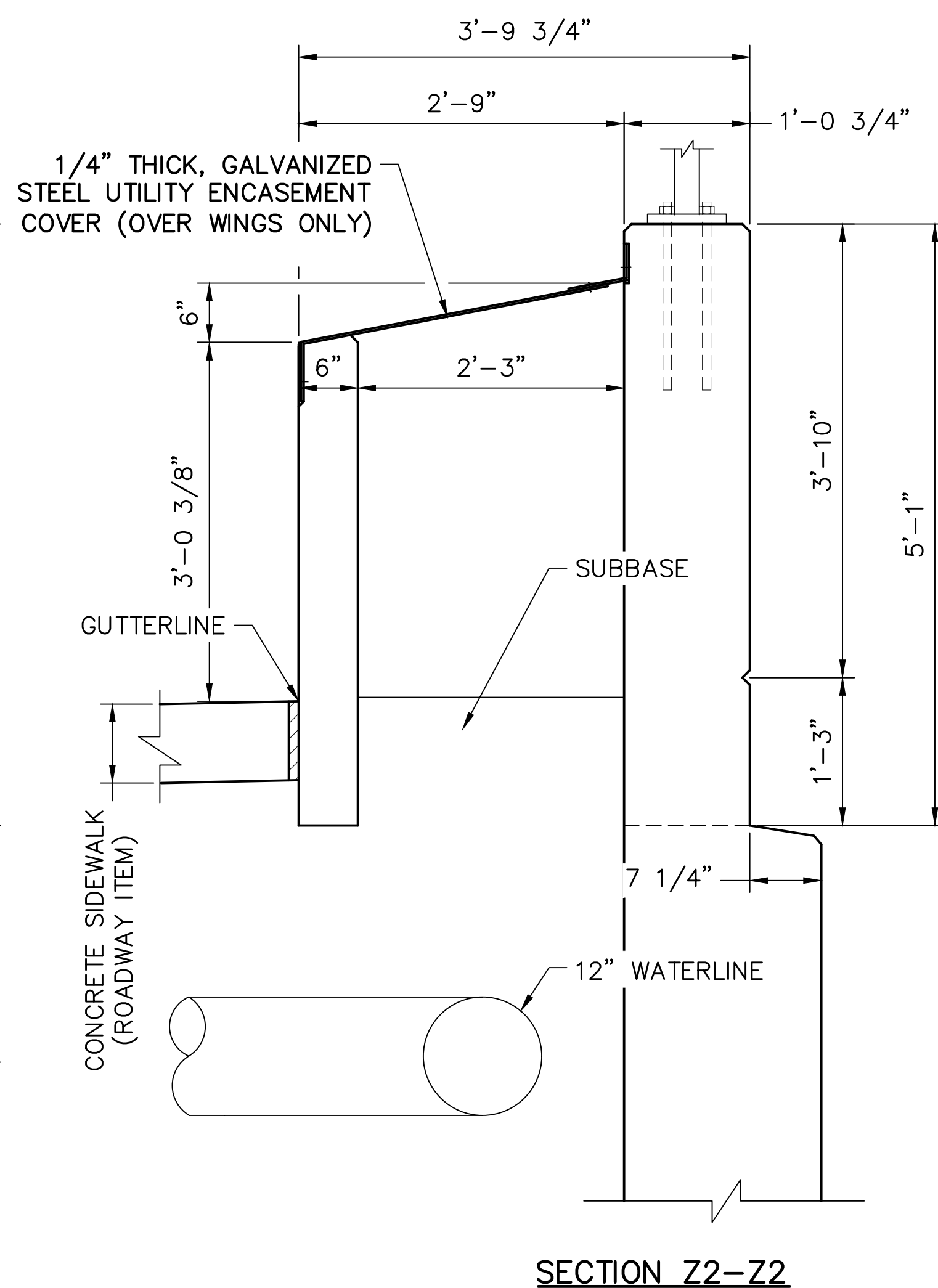
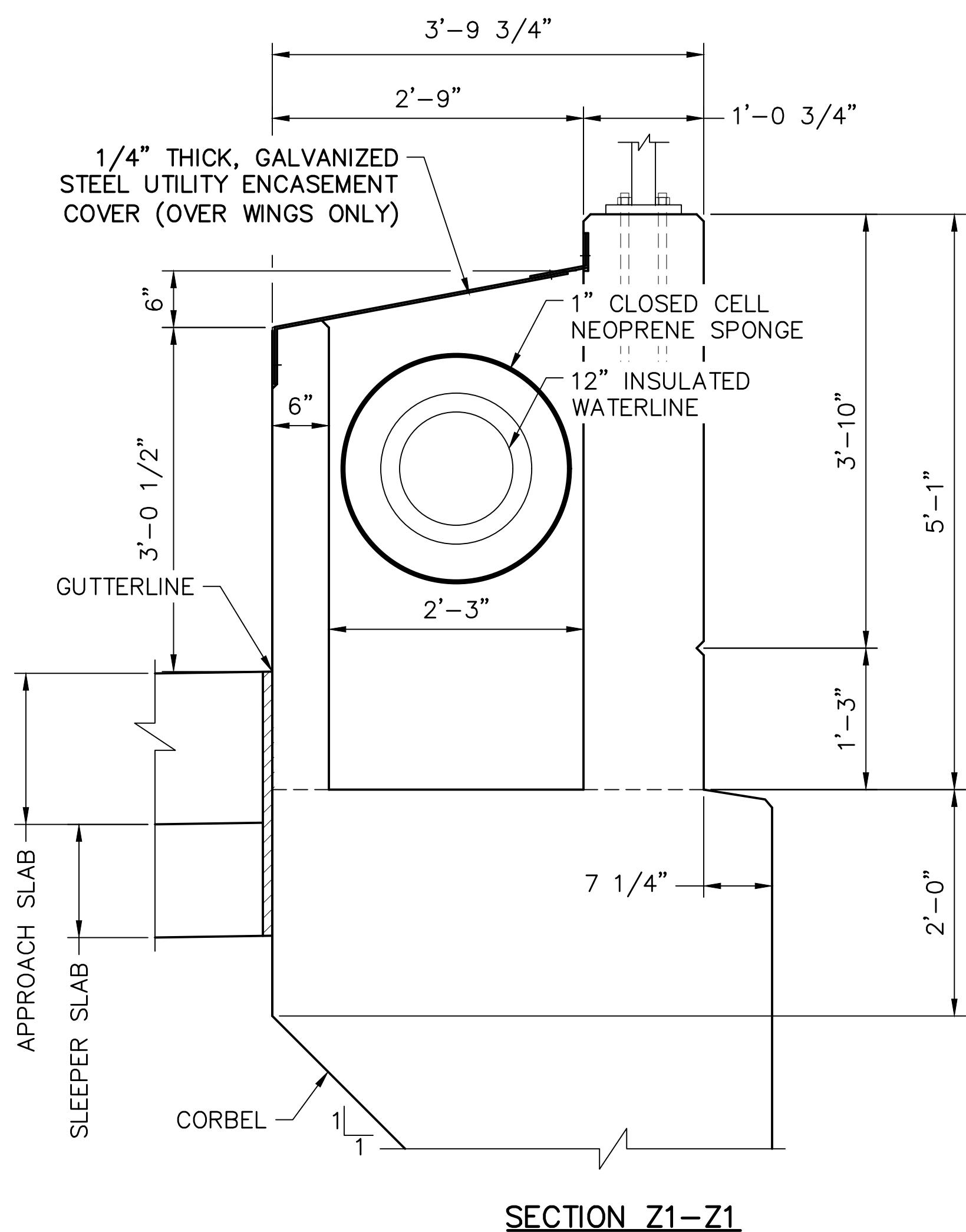
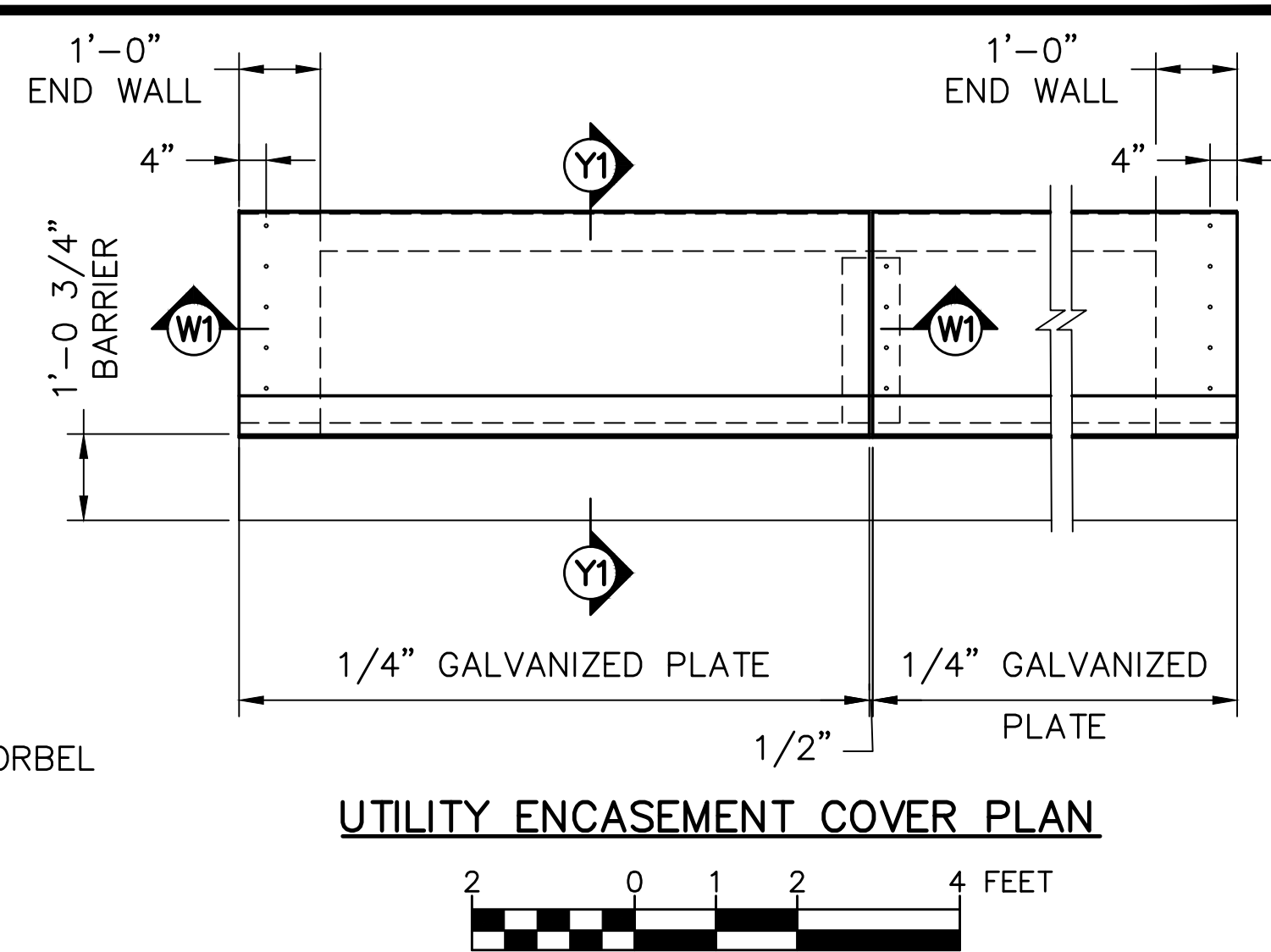
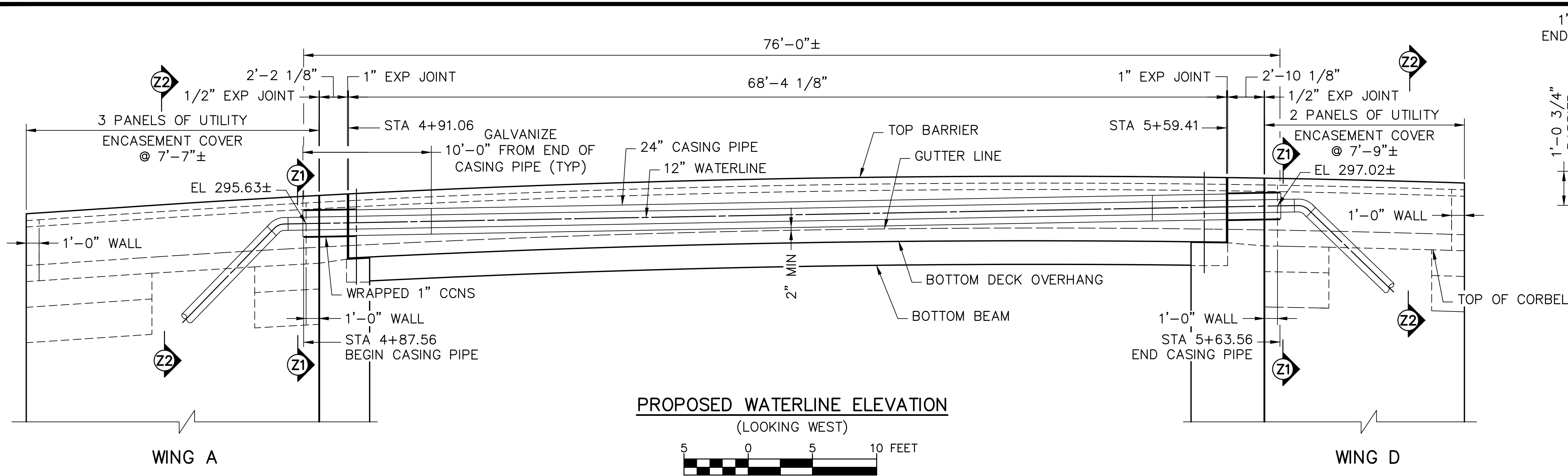
RECOMMENDED 10 / 27 / 2022

SHEET 47 OF 54

S-36195



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Mark	Description	By	Chk'd	Rec'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID:06-0183-0025-1779 MPMS/ECMS PROJ: 91091 BRKY:69241

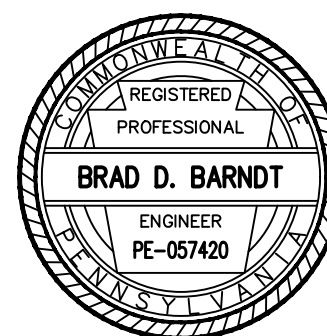
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
RAWA UTILITIES ELEVATION & DETAILS

RECOMMENDED 10 / 27 / 2022

SHEET 48 OF 54

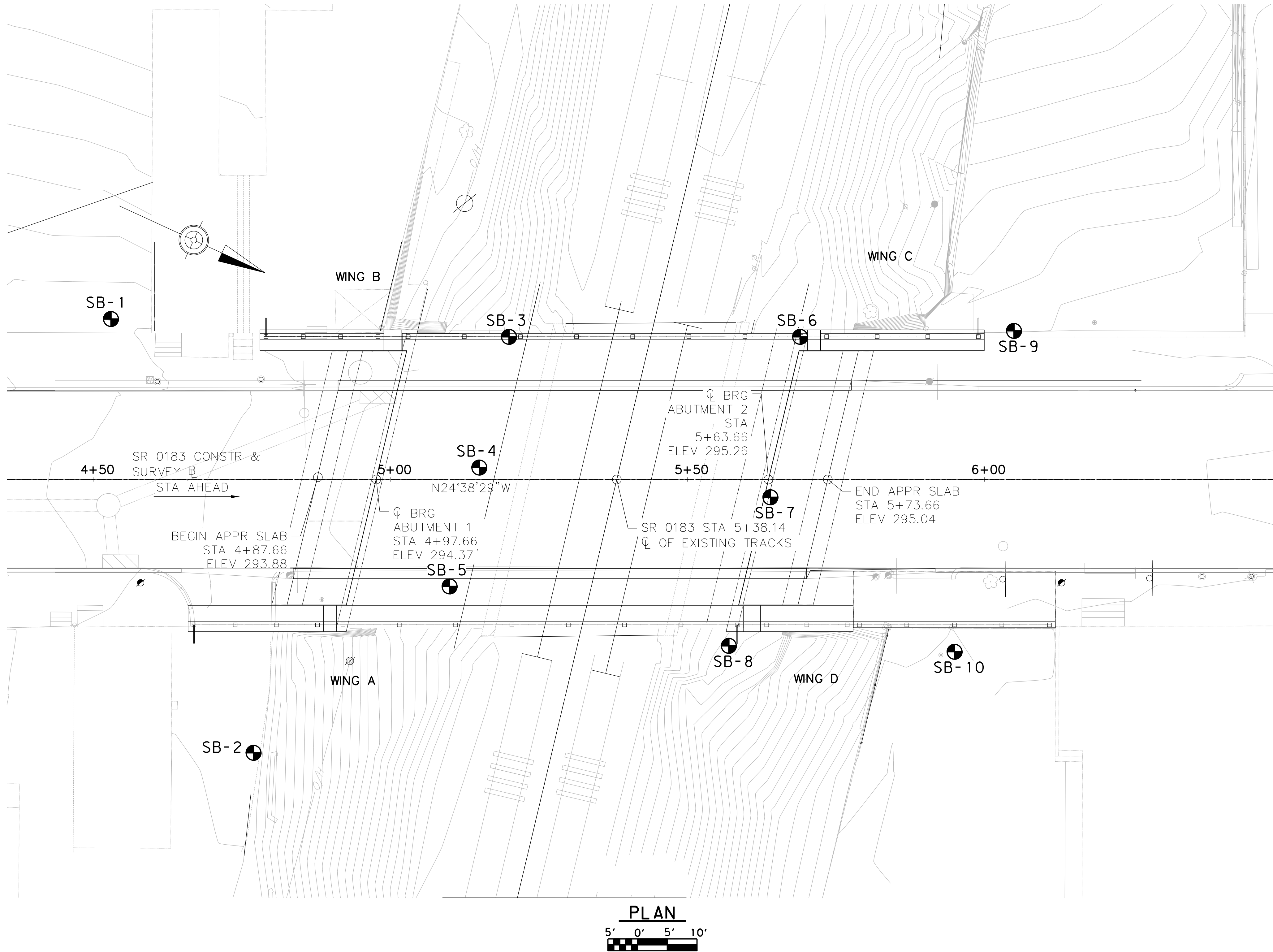
S-36195



- NOTES:**
- WORK THIS PLAN WITH RAWA UTILITY RELOCATION PLANS AND DETAILS, SEE ROADWAY DRAWINGS.

D-9012 CADD 02/90 REV/ISED (10-04)

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GENERAL NOTES

COLUMN A - PROFILE DEPTH IN FEET
COLUMN B - SAMPLE NUMBER AND TYPE OR RUN NUMBER
COLUMN C - NUMBER OF BLOWS FOR EVERY 0.5' (EXCEPT AS NOTED)
ON SPOON SAMPLER FOR SPT
COLUMN D - AMOUNT OF RECOVERY IN FEET FOR ROCK AND SOIL
COLUMN E - % OF SPT RECOVERY OR % OF NX CORE RECOVERY AND
ROCK QLTY. DESIGNATION
(RQD) PERCENTAGES SHOWN AS % RECOVERY / % RQD
COLUMN F - POCKET PENETROMETER OR TORVANE PRESSURE IN TSF
COLUMN G - USCS AND AASHTO CLASSIFICATION
COLUMN H - MOISTURE CONTENT

FOR ADDITIONAL GENERAL NOTES AND LEGEND,
AND SOIL AND ROCK DESCRIPTION REFER TO BC-795M (2010)

▽ ELEV. GROUND WATER ELEVATION IN FEET
HR. HOUR OF READING
DATE DATE OF READING

SE - SURFACE ELEVATION IN FEET
TRE - TOP OF ROCK ELEVATION IN FEET
BFE - BOTTOM OF FOOTING ELEVATION IN FEET
BCC - ESTIMATED BOTTOM OF CLASS C CONCRETE ELEVATION IN FEET

● - TEST BORING LOCATION

THE CLASSIFICATIONS OF THE MATERIAL ENCOUNTERED
HAVE BEEN VERIFIED.

INITIAL

THE INFORMATION, AS SUBMITTED, ACCURATELY REPRESENTS THE
CONDITIONS ENCOUNTERED BY THE TEST BORING PROGRAM, INCLUDING
BORING LOGS, EARTH SAMPLES, ROCK CORES, CLASSIFICATION OF
MATERIALS, AND DEPTH OF BORINGS.

9/15/17
GEOTECHNICAL ENGINEER/ENGINEERING GEOLOGIST

THIS SHEET IS INCLUDED FOR THE CONVENIENCE
OF THE DEPARTMENT. REFER TO PUBLICATION 408
SECTION 102.05 FOR FURTHER INFORMATION.

Mark	Description	By	Chk'd	Rec'd	Date
REVISIONS					

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BMS STR ID: XX-XXXX-XXXX-XXXX MPMS/ECMS PROJ: 91091 BRKY:XXXX

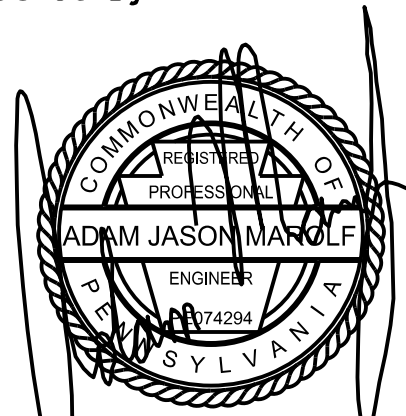
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
TEST BORINGS (1 OF 6)

SHEET 49 OF 54

S-36195

Prepared By:



AMERICAN GEOTECHNICAL &
ENVIRONMENTAL SERVICES, INC.

PLT: RJE CKD: YZ QA/QC: AJM

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310

BMS STR ID: XX-XXXX-XXXX-XXXX MPMS/ECMS PROJ: 91091 BRKY: XXXX

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF TRANSPORTATION

BERKS COUNTY

S.R. 0183, SEC. 05B

SEGMENT 0025 OFFSET 1778

S.R. 0183-05B STA. 5+38.14

OVER NORFOLK SOUTHERN RAILROAD

SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE

TEST BORINGS (2 OF 6)

SHEET 50 OF 54

S-36195

D-9012 CADD 02/90 REV/SED (10-04)

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300
290
280
270
260
250
240
230

ABUTMENT 1 / WINGWALL B

BORING NO. SB-3
STA. 5+20, 24 FT LT
ELEV. 271.0'

EL. 271.0	A	B	C	D	E	F	G	H	DESCRIPTION	EL. 271.0	REMARKS
SE	1.5	S-1	2-2-3	0.3	20	-	sm	M	0.0 TO 3.5 SILTY SAND WITH GRAVEL (sm), BROWN TO ORANGE, MOIST, LOOSE, HOMOGENEOUS, (FILL)	EL. 267.5	*BORING GROUTED UPON COMPLETION
EL. 267.3	3.0	S-2	3-3-5	0.5	33	-	a-2-4	M		EL. 267.3	
TRE	3.7	S-3	2-50/0.2	0.7	100	-	gw	M	3.5 TO 3.7 WELL-GRADED GRAVEL (gw), GRAY, MOIST, VERY DENSE, HOMOGENEOUS, (RESIDUAL)	EL. 267.3	
EL. 265.0	5.5	R-1		1.0	33		a-1-b		3.7 TO 29.0 DOLOMITE, DARK GRAY TO GRAY, HARD TO VERY HARD, MODERATELY WEATHERED TO FRESH, MEDIUM TO THICKLY BEDDED (RD=70-75), CLOSE TO WIDELY JOINTED (RD=15-20, 70-75), BROKEN TO MASSIVE, (RQD=71%) (RMR: D=3, S=4, R=3-5, I=0-6, W=3-6)		TOP OF ROCK @ 3.7 FT
BFE	7.5	R-2		2.0	30				CALCITE VEINS THROUGHOUT JOINT (RD=70), 11.2' SOFT INFILLING (<0.5mm)		
	10.0	R-3		2.4	0						
	12.5	R-4		2.2	80						
	17.0	R-5		4.5	93						
EL. 253.5					100						
0 HR 12-9-14											
	22.5	R-6		5.5	95						
					100						
	27.5	R-7		5.0	86						
	29.0	R-8		1.0	67	67					
									BOTTOM OF BORING 29.0 FT.	EL. 242.0	LOST RETURN WATER @ 28.5 FT

WATER LEVEL: 0-HRS: 17.5 FT
24-HRS: *BORING GROUTED UPON COMPLETION

DRILLING DATES: START: 12-8-14
FINISH: 12-9-14

DRILLER: P. ISHMAN / L.G. HETAGER DRILLING, INC.
DRILLING METHOD: HSA, FJC, SPLIT INNER BARREL, NX WIRELINE WITH WATER
EQUIPMENT USED: HH-75, TRACK MOUNT RIG WITH SAFETY HAMMER
INSPECTOR: S. YUAN / Y. ZHANG

ABUTMENT 1

BORING NO. SB-4
STA. 5+15, 2 FT LT
ELEV. 271.3'

EL. 271.3	A	B	C	D	E	F	G	H	DESCRIPTION	EL. 271.3	REMARKS
SE	1.5	S-1	3-3-3	0.6	40	-	sm	M	0.0 TO 3.0 SILTY SAND WITH GRAVEL (sm), DARK BROWN, MOIST, LOOSE TO MEDIUM DENSE, HOMOGENEOUS, (FILL)	EL. 268.3	
EL. 267.9	3.0	S-2	3-5-6	0.8	53	-	a-2-4	M		EL. 267.9	
TRE	3.4	S-3	50/0.4	0.4	100	-	gw	M	3.0 TO 3.4 WELL-GRADED GRAVEL WITH SAND (gw), DARK GRAY, MOIST, VERY DENSE, HOMOGENEOUS, (RESIDUAL)	EL. 267.9	TOP OF ROCK @ 3.4 FT
EL. 265.0	5.4	R-1		1.5	0		a-1-a		3.4 TO 29.0 DOLOMITE, DARK GRAY TO GRAY, HARD TO VERY HARD, MODERATELY WEATHERED TO FRESH, MEDIUM TO THICKLY BEDDED (RD=70-75), CLOSE TO WIDELY JOINTED (RD=0-20, 70-75, 80-85), BROKEN TO MASSIVE, (RQD=60%) (RMR: D=3, S=1-6, R=1-3, I=2, W=3-6)		
BFE	7.4	R-2		2.0	20						
	10.0	R-3		2.4	92						
	12.5	R-4		2.5	88						
EL. 257.9					100						
0 HR 12-5-14											
EL. 253.3	17.5	R-5		5.0	64						
24 HR 12-8-14					67						
	20.2	R-6		1.8	30				COMPLETELY WEATHERED, 18.2-18.4'		
	22.5	R-7		2.2	43				JOINT (RD=80-85), 20.2-20.6' CLAY INFILLING (<1 mm)		
					98						
	27.5	R-8		4.9	86						
	29.0	R-9		1.5	100	73					
									BOTTOM OF BORING 29.0 FT.	EL. 242.3	

WATER LEVEL: 0-HRS: 13.4 FT
24-HRS: 18.0 FT

DRILLING DATES: START: 12-4-14
FINISH: 12-5-14

DRILLER: P. ISHMAN / L.G. HETAGER DRILLING, INC.
DRILLING METHOD: HSA, FJC, SPLIT INNER BARREL, NX WIRELINE WITH WATER
EQUIPMENT USED: HH-75, TRACK MOUNT RIG WITH SAFETY HAMMER
INSPECTOR: S. YUAN

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID: XX-XXXX-XXXX-XXXX MPMS/ECMS PROJ: 91091 BRKY: XXXX

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
TEST BORINGS (3 OF 6)

SHEET 51 OF 54

S-36195

SEE TEST BORING (1 OF 6) FOR BORING LOCATION LAYOUT,
GENERAL NOTES, AND LEGEND

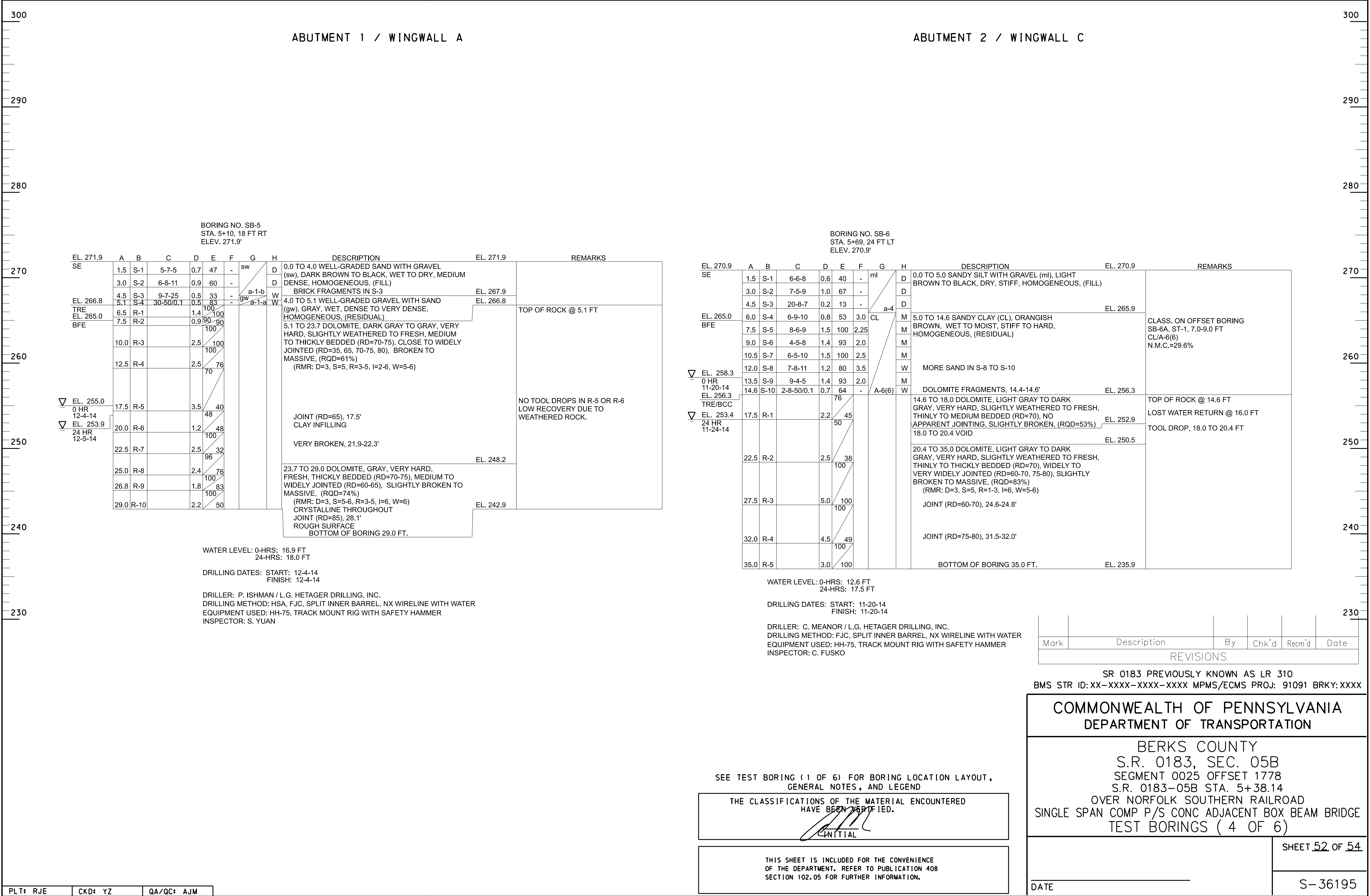
THE CLASSIFICATIONS OF THE MATERIAL ENCOUNTERED
HAVE BEEN VERIFIED.

INITIAL

THIS SHEET IS INCLUDED FOR THE CONVENIENCE
OF THE DEPARTMENT. REFER TO PUBLICATION 408
SECTION 102.05 FOR FURTHER INFORMATION.

D-9012 CADD 02/90 REV/ISED (10-04)

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D-9012 CAD 02/90 REV/SED (10-04)

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300
290
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260
250
240
230

ABUTMENT 2

BORING NO. SB-7
STA. 5+64, 3 FT RT
ELEV. 269.2'

EL.	A	B	C	D	E	F	G	H	DESCRIPTION	EL.	REMARKS
EL. 269.2										EL. 269.2	
SE	1.5	S-1	5-11-12	0.8	53	-	gp	D	0.0 TO 2.1 POORLY-GRADED GRAVEL WITH SILT (gp). BROWN TO GRAY, DRY, MEDIUM DENSE TO VERY DENSE, HOMOGENEOUS, (FILL)	EL. 267.1	AUGER REFUSAL @ 2.1 FT; SWITCHED TO CASING. CASING REFUSAL @ 2.1 FT
EL. 269.2	2.1	S-2	40-50/0.1	0.6	90	-	a-1-a	D	2.1 TO 29.0 DOLOMITE, LIGHT GRAY TO DARK GRAY, VERY HARD, SLIGHTLY WEATHERED TO FRESH, THINLY TO THICKLY BEDDED (RD=70), MEDIUM TO WIDELY JOINTED (RD=30-40, 50-60, 65, 70-80, 85), SLIGHTLY BROKEN TO MASSIVE, (RQD=51%) (RMR: D=3, S=4-6, R=0-3, I=4, W=5-6)		TOP OF ROCK @ 2.1 FT
0 HR											
11-20-14	4.1	R-1		1.8	0						
EL. 267.1					100						
TRE											
EL. 265.0	7.0	R-2		2.9	34						
BFE					100						
EL. 258.2	12.0	R-3		5.0	48						
24 HR					94						
11-24-14											
	17.0	R-4		4.7	56						
					100						
	22.0	R-5		5.0	76						
					96						
	27.0	R-6		4.8	52						
					100						
	29.0	R-7		2.0	60						

WATER LEVEL: 0-HRS: 0.0 FT
24-HRS: 11.0 FT

DRILLING DATES: START: 11-18-14
FINISH: 11-20-14

DRILLER: C. MEANOR / L.G. HETAGER DRILLING, INC.
DRILLING METHOD: HSA, FJC, SPLIT INNER BARREL, NX WIRELINE WITH WATER
EQUIPMENT USED: HH-75, TRACK MOUNT RIG WITH SAFETY HAMMER
INSPECTOR: C. FUSKO

ABUTMENT 2 / WINGWALL D

BORING NO. SB-8
STA. 5+57, 28 FT RT
ELEV. 272.1'

EL.	A	B	C	D	E	F	G	H	DESCRIPTION	EL.	REMARKS
EL. 272.1										EL. 272.1	
SE	1.5	S-1	5-7-18	0.6	40	-	ml	D	0.0 TO 3.2 SANDY SILT WITH GRAVEL (ml), DARK BROWN TO BLACK, DRY, VERY STIFF TO HARD, HOMOGENEOUS, (FILL)	EL. 268.9	*BORING GROUTED UPON COMPLETION
EL. 268.9	2.8	S-2	18-19-50/0.3	0.6	46	-	a-4	D	DOLOMITE FRAGMENTS, 2.8-3.2'		CASING REFUSAL @ 3.2 FT
TRE	3.2	S-3	50/0.2	0.2	100	-		D			TOP OF ROCK @ 3.2 FT
	5.0	R-1		1.8	0				3.2 TO 30.0 DOLOMITE, LIGHT GRAY TO DARK GRAY, VERY HARD, SLIGHTLY WEATHERED TO FRESH, THINLY TO THICKLY BEDDED (RD=70), CLOSELY TO VERY WIDELY JOINTED (RD=60-70, 75, 80-85), SLIGHTLY BROKEN TO MASSIVE, (RQD=62%) (RMR: D=3, S=4-5, R=1-3, I=4, W=4-6)		
EL. 265.0	7.5	R-2		2.5	60				VERY BROKEN, 3.2-5.0'		
BFE					100						
	12.5	R-3		5.0	60						
					100						
EL. 255.6	17.5	R-4		5.0	70				VERY BROKEN, HIGHLY WEATHERED, 16.3-16.8' CALCITE VEINS THROUGHOUT, 16.3-18.3'		
0 HR					100						
11-24-14											
	22.5	R-5		5.0	84						
					96				SLICKENSIDED JOINT, (RD=60), 22.5-22.6' HIGHLY WEATHERED, 23.5-24.1'		
	27.5	R-6		4.8	52						
					100						
	30.0	R-7		2.5	76				BOTTOM OF BORING 30.0 FT.	EL. 242.1	

WATER LEVEL: 0-HRS: 16.5 FT
24-HRS: *BORING GROUTED UPON COMPLETION

DRILLING DATES: START: 11-24-14
FINISH: 11-24-14

DRILLER: C. MEANOR / L.G. HETAGER DRILLING, INC.
DRILLING METHOD: FJC, SPLIT INNER BARREL, NX WIRELINE WITH WATER
EQUIPMENT USED: HH-75, TRACK MOUNT RIG WITH SAFETY HAMMER
INSPECTOR: C. FUSKO

Mark	Description	By	Chk'd	Recm'd	Date
REVISIONS					

SR 0183 PREVIOUSLY KNOWN AS LR 310
BMS STR ID: XX-XXXX-XXXX-XXXX MPMS/ECMS PROJ: 91091 BRKY: XXXX

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

BERKS COUNTY
S.R. 0183, SEC. 05B
SEGMENT 0025 OFFSET 1778
S.R. 0183-05B STA. 5+38.14
OVER NORFOLK SOUTHERN RAILROAD
SINGLE SPAN COMP P/S CONC ADJACENT BOX BEAM BRIDGE
TEST BORINGS (5 OF 6)

SHEET 53 OF 54

DATE

S-36195

SEE TEST BORING (1 OF 6) FOR BORING LOCATION LAYOUT,
GENERAL NOTES, AND LEGEND

THE CLASSIFICATIONS OF THE MATERIAL ENCOUNTERED
HAVE BEEN VERIFIED.

INITIAL

THIS SHEET IS INCLUDED FOR THE CONVENIENCE
OF THE DEPARTMENT. REFER TO PUBLICATION 408
SECTION 102.05 FOR FURTHER INFORMATION.

SEE TEST BORING (1 OF 6) FOR BORING LOCATION LAYOUT,
GENERAL NOTES, AND LEGEND

THE CLASSIFICATIONS OF THE MATERIAL ENCOUNTERED
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