

DISTRICT	COUNTY	TOWNSHIP	BOROUGH	ROUTE	SECTION	TOTAL SHEETS
1-0	ERIE	CITY OF ERIE		4034	500	30

PLAN PREPARATION  
 DESIGNER: JOHNSON, MIRMIRAN & THOMPSON, INC.  
 PROJECT MANAGER: JEANETTE UHL

# COMMONWEALTH OF PENNSYLVANIA



## DEPARTMENT OF TRANSPORTATION DRAWINGS

### FOR CONSTRUCTION

OF

STATE ROUTE 4034 SECTION S00  
 IN ERIE COUNTY

ALSO INCLUDED:

TRAFFIC CONTROL PLAN	48 SHEETS
SIGNING PLAN	10 SHEETS
PAVEMENT MARKING PLAN	12 SHEETS
TRAFFIC SIGNAL PLAN	20 SHEETS

FROM STA 376+00.00 TO STA 423+44.98 LENGTH 4744.98 FT 0.899 MI.  
 FROM SEG 0090 OFFSET 2484 TO SEG 0084 OFFSET 0091  
 FROM SEG 0091 OFFSET 2482 TO SEG 0085 OFFSET 0104

#### SCALE

HORIZONTAL

VERTICAL

#### DESIGN DESIGNATION

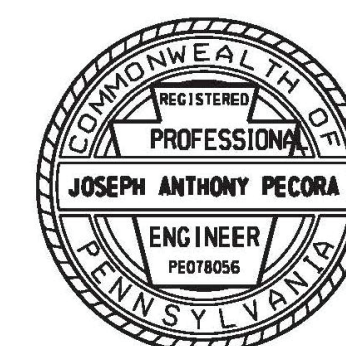
HIGHWAY CLASSIFICATION - URBAN PRINCIPLE ARTERIAL  
 DESIGN SPEED - 35 MPH  
 PAVEMENT WIDTH - 44' (4-11' LANES), 6' MEDIAN  
 SHOULDER WIDTH - 2' (CURB AND GUTTER)

#### TRAFFIC DATA

CURRENT A.D.T. - 6,568 (2021) (EB), 6,490 (2023) (WB)  
 DESIGN YEAR A.D.T. - 6,568 (2041) (EB), 6,490 (2043) (WB)  
 D.H.V. - 531 (EB), 537 (WB)  
 D - 58% (EB), 58% (WB)  
 T - 4% (EB), 3% (WB)



JOHNSON, MIRMIRAN & THOMPSON, INC.  
 5313 CAMPBELLS RUN ROAD  
 SUITE 100  
 PITTSBURGH, PA 15205



*Joseph A. Pecora*

PROJECT MANAGER  
 DATE: 06/26/2023

RECOMMENDED DATE: 2023.07.27 08:42:19 -04'00'  
*B.A. Mulla*

DISTRICT EXECUTIVE

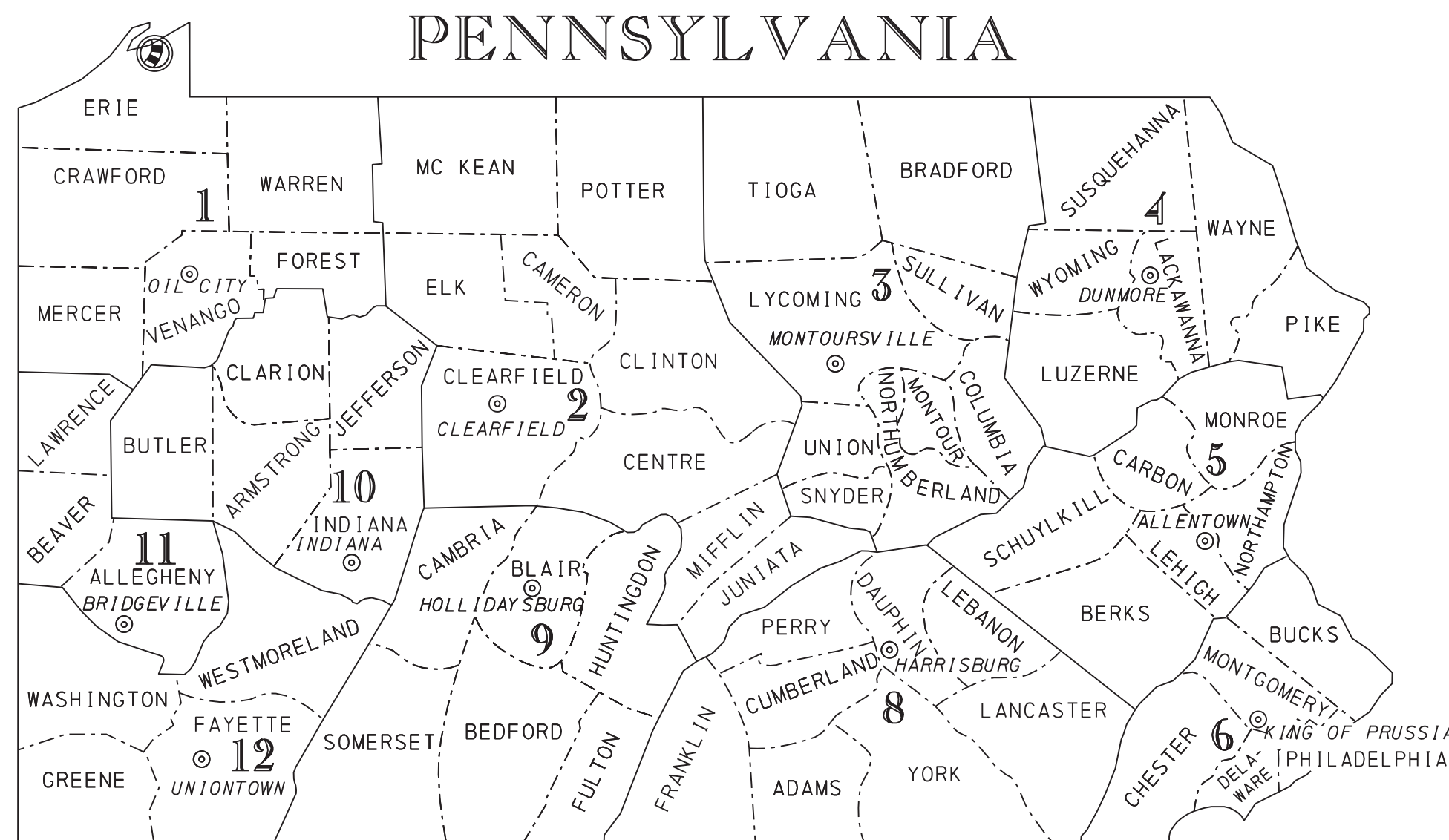
RECOMMENDED DATE: 07-31-2023  
*Neil Cull*

DEPUTY SECRETARY

APPROVED DATE: 07-31-2023  
*Neil Cull*

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

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
1-0	ERIE	4034	500	2 OF 30
CITY OF ERIE				
REV NO	REVISIONS	DATE	BY	APPD



- 1 DISTRICT
- ⊙ DISTRICT OFFICE
- ⊕ PROJECT LOCATION

### INDEX OF DRAWINGS

DESCRIPTION	SHEET
TITLE SHEET	1
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EROSION CONTROL DETAIL	13
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PLAN	24 - 30

### TABULATION OF SEGMENT EQUALITIES

SR 0290 SEG 0010 OFFSET 0199 = SR 0290 SEG 0011 OFFSET 0201 = STA 374+00.00  
 SR 0290 SEG 0010 OFFSET 0000 = SR 0290 SEG 0011 OFFSET 0000 = STA 376+00.00  
 SR 4034 SEG 0090 OFFSET 2482 = SR 4034 SEG 0091 OFFSET 2484 = STA 376+00.00  
 SR 4034 SEG 0090 OFFSET 0000 = SR 4034 SEG 0091 OFFSET 0000 = STA 400+83.00  
 SR 4034 SEG 0084 OFFSET 0091 = SR 4034 SEG 0085 OFFSET 0104 = STA 423+44.98

### TABULATION OF PROPERTY OWNERS

SEE SHEET 3 OF 30

STATE ROUTE	STRAIGHT LINE DIAGRAM DATA		PROPOSED CONSTRUCTION
	LIMITS OF CONSTRUCTION		
	CONSTR STA	SEGMENT / OFFSET	
SR 0290	374+66 TO 376+00	10/0000 TO 10/0199 11/0000 TO 11/0201	54' OF ULTRA-THIN BONDED WEARING COURSE

### RECORD OF EXISTING ROAD TYPES

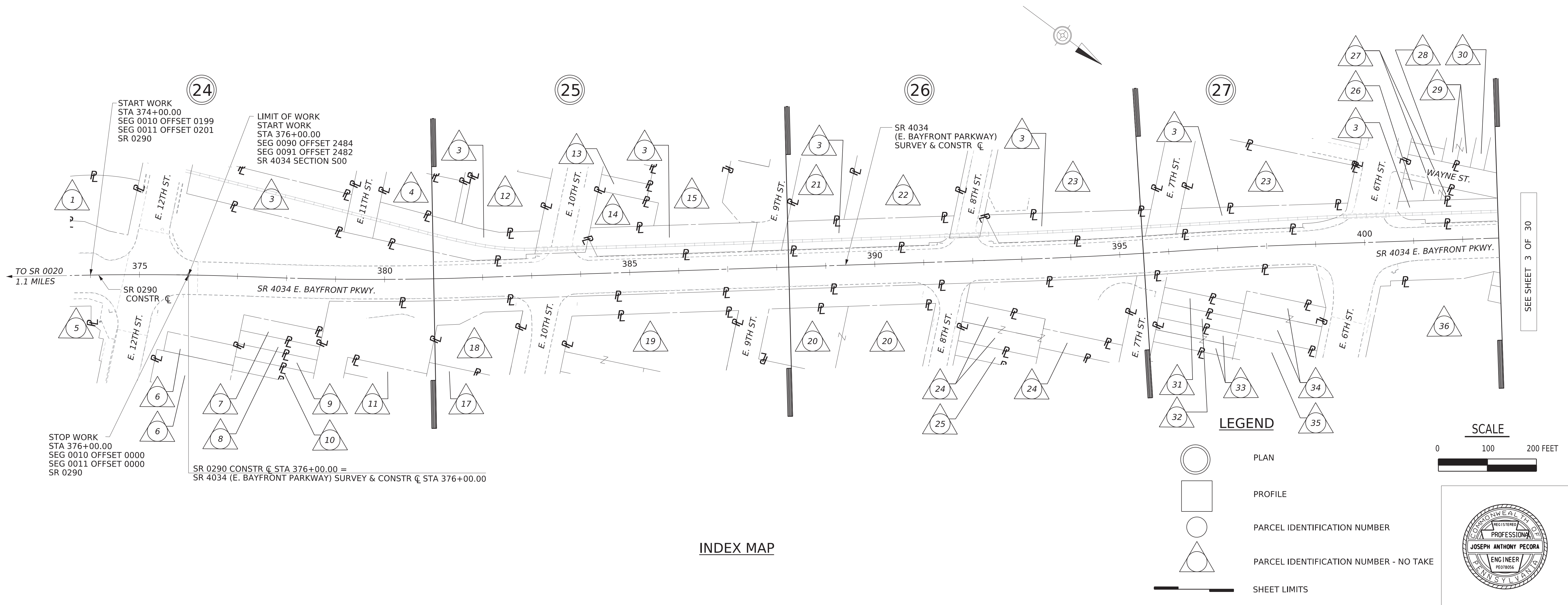
LIMIT OF WORK ADJACENT TO  
 SEG 0010 OFFSET 0199  
 SEG 0011 OFFSET 0201:

(2007) LANE	20'	1.50"	SUPERPAVE, HMA WEARING COURSE, PG 64-22, 9.5 MM, SRL-G
(2007) LANE	20'	2.50"	SUPERPAVE HMA BINDER COURSE, PG 64-22, 19 MM
(2007) LANE	20'	4.00"	SUPERPAVE, HMA BASE COURSE, PG 64-22, 25 MM
(1990) LANE	20'	10.00"	PCCP
(1990) LANE	20'	4.00"	CEMENT TREATED PERMEABLE BASE COURSE
(1990) LANE	20'	4.00"	2A SUBBASE

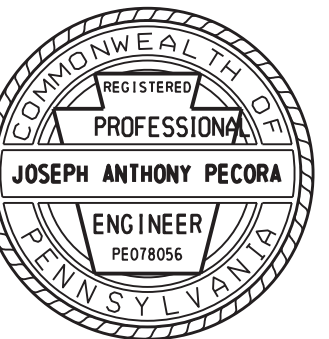
LIMIT OF WORK ADJACENT TO  
 SEG 0084 OFFSET 0091  
 SEG 0085 OFFSET 0104:

(1990) LANE	20'	10.00"	PCCP
(1990) LANE	20'	4.00"	CEMENT TREATED PERMEABLE BASE COURSE
(1990) LANE	20'	4.00"	2A SUBBASE

NOTE: THE DEPTHS OF MATERIAL SHOWN ARE FOR DESIGN PURPOSES ONLY. ANY RISK OF UNANTICIPATED COSTS ASSOCIATED WITH DIFFERENCES BETWEEN THE LISTED DEPTHS AND THE ACTUAL DEPTHS SHALL BE ACCEPTED BY THE CONTRACTOR.

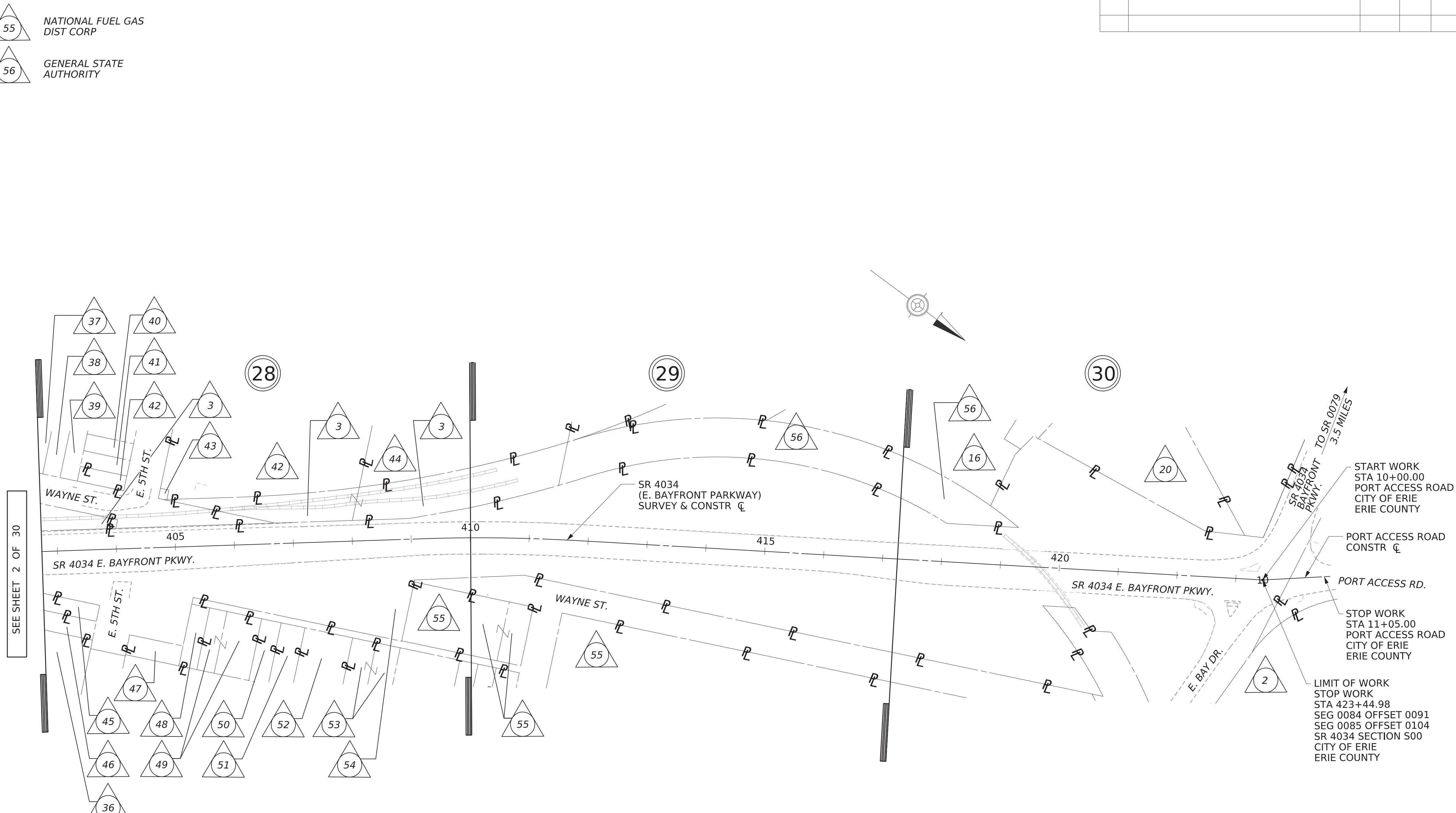


### INDEX MAP



**TABULATION OF PROPERTY OWNERS**



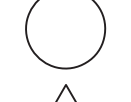
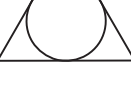

1	CITY OF ERIE	28	ANDREW SEIFERT	55	NATIONAL FUEL GAS DIST CORP
2	ERIE COKE CORPORATION	29	RACHEL B. BURTON	56	GENERAL STATE AUTHORITY
3	CONRAIL	30	TINA MARIE YOUNG AND ANGEL LUIS VERA, SR.		
4	COMMONWEALTH OF PENNSYLVANIA	31	JAMES R. THOMAS AND JACOB J. THOMAS		
5	ERIE M AND P COMPANY, INC	32	WILLIAM L. ANGELOTTI AND CHERYL MCSHANE		
6	ROBERT A BABLACK AND ROSALIE BABLAK	33	ROBERT M. PASKY AND CHRISTINA R. PASKY		
7	JA MOON	34	JESSIE M. FORD		
8	CHRISTOPHER B. KUCH	35	GARY E. LUKE		
9	MLK REALTY, LLC	36	SALEM INVESTMENTS, INC.		
10	MARK NAPIERKOWSKI AND JULIE NAPIERKOWSKI	37	BO NGO AND DAO NGO		
11	JUSTIN REED AND KAITLIN CORORAN	38	TINA YOUNG		
12	PAUL A. GNACINSKI AND KATHLEEN M. GNACINSKI	39	MARY ANN COLON		
13	ROGER W. WETTEKIN	40	J.P. MAGEE		
14	MR PROPERTIES	41	BOBBY A. JOHNSON		
15	R.A.D. BORST, LLC	42	FRONTIER LUMBER, INC.		
16	STATE OF PENNSYLVANIA	43	NATIONAL FUEL GAS		
17	SHELLY A. GAVIN	44	PENNSYLVANIA ELECTRIC CO.		
18	COMMONWEALTH OF PENNSYLVANIA	45	MICHELE ANTHONY		
19	COMMONWEALTH OF PENNSYLVANIA	46	EUGENE M. GOLDSBY AND MICHELE M. WODARSKI		
20	PENNSYLVANIA DEPARTMENT OF TRANSPORTATION	47	EQUITY TRUST CO.		
21	STANLEY A. KOWALSKI AND HELEN R. KOWALSKI	48	SAM COPELAND		
22	823 EAST 8TH STREET ASSOCIATES, LP	49	TRUSTY JONES LLC		
23	SWANSON-ERIE CORPORATION	50	KELVIN NORTON, SR.		
24	EDWARD E. JOHNSON, JR.	51	GORDON M. MITCHELL		
25	DEVERE F. DUNN AND MARY ALICE DUNN	52	TIMOTHY G. NORTON		
26	LAWRENCE A. RILEY	53	THE HOUSING AUTHORITY OF THE CITY OF ERIE		
27	ROBERT R. CURRIE	54	WILLIAM MITCHELL AND MATTIE MITCHELL		



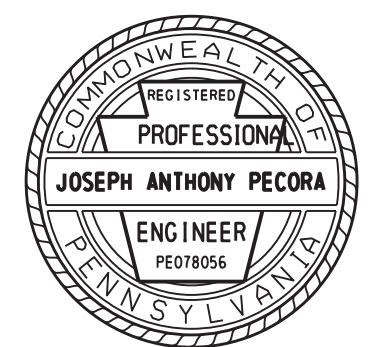
**INDEX MAP**

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
1-0	ERIE	4034	500	3 OF 30
CITY OF ERIE				
REV NO	REVISIONS	DATE	BY	APPD

**LEGEND**

-  PLAN
-  PROFILE
-  PARCEL IDENTIFICATION NUMBER
-  PARCEL IDENTIFICATION NUMBER - NO TAKE
-  SHEET LIMITS

**SCALE**



## TABULATION OF OVERALL AND CONSTRUCTION LENGTH

### SR 4034 OVERALL

STA 376+00.00 TO STA 423+44.98 = 4744.98 FT = 0.899 MI

### SR 4034 CONSTRUCTION

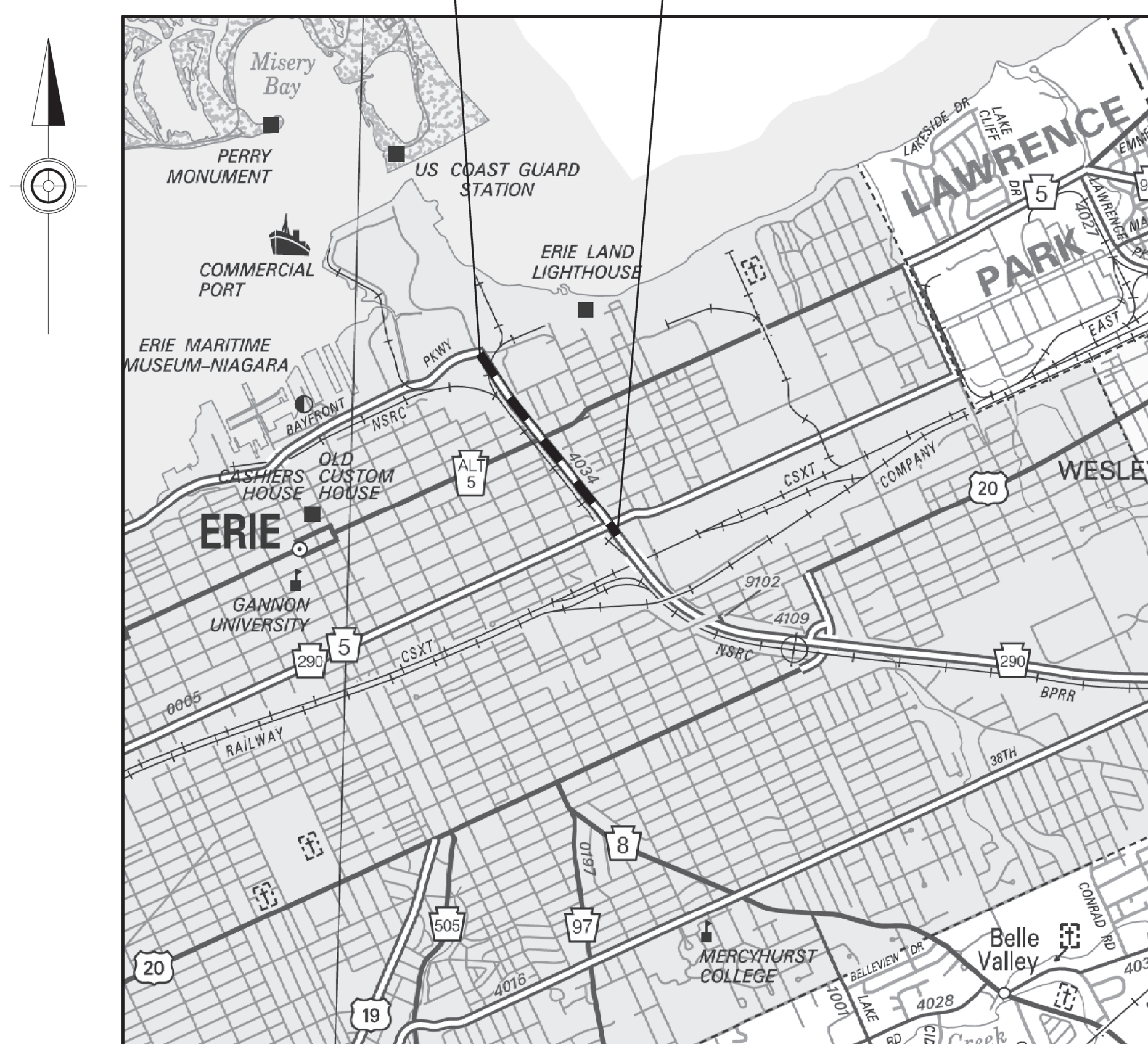
STA 376+00.00 TO STA 423+44.98 = 4744.98 FT = 0.899 MI

## LIST OF EQUALITIES

SR 0290 CONSTR C STA 376+00.00 =  
SR 4034 SURVEY & CONSTR C STA 376+00.00

**LIMIT OF WORK**  
STA 423+44.98  
SEG 0084 OFFSET 0091  
SEG 0085 OFFSET 0104  
SR 4034 SEC S00  
CITY OF ERIE  
ERIE COUNTY

**LIMIT OF WORK**  
STA 376+00.00  
SEG 0090 OFFSET 2484  
SEG 0091 OFFSET 2482  
SR 4034 SEC S00  
CITY OF ERIE  
ERIE COUNTY



LOCATION MAP

### LEGEND

- STATE ROUTE
- MUNICIPAL ROAD
- PROJECT
- - - MUNICIPAL BOUNDARY
- STREAM
- NO DETOUR

### SCALE



## LIST OF PUBLIC UTILITIES

CHARTER COMMUNICATIONS  
DANIEL BANISTER  
2904 STATE ROAD  
ASHTABULA, OH 44004  
TELEPHONE: 330-369-7138  
EMAIL: DANIEL.BANISTER@CHARTER.COM

CITY OF ERIE (SEWER)  
JASON SAYERS  
626 STATE STREET, SUITE 305  
ERIE, PA 16501  
TELEPHONE: 814-870-1397  
EMAIL: JSAYERS@ERIE.PA.US

ERIE WATER WORKS  
CRAIG PALMER  
240 WEST 12TH STREET  
ERIE, PA 16501  
TELEPHONE: 814-870-8000 EXT 208  
EMAIL: CPALMER@ERIEWATERWORKS.ORG

NATIONAL FUEL GAS DISTRIBUTION CORP  
JASON FLEEK  
1100 STATE STREET  
PO BOX 2081  
ERIE, PA 16512  
TELEPHONE: 814-871-8662  
EMAIL: FLEEKJ@NATFUEL.COM

PENNSYLVANIA ELECTRIC COMPANY  
JEANNIE BEELER  
5404 EVANS ROAD  
PO BOX 1101  
ERIE PA, 16558  
TELEPHONE: 814-868-8709  
EMAIL: JBEELE@FIRSTENERGYCORP.COM

VELOCITY NET COMMUNICATIONS, INC.  
MAT KACPROWICZ  
PO BOX 9008  
ERIE, PA 16505  
TELEPHONE: 814-835-2736  
EMAIL: MAT.KACPROWICZ@VELOCITYNETWORK.NET

VERIZON NORTH LLC  
ERIC RODRIGUES  
20 EAST 10TH STREET  
ERIE, PA 16501  
TELEPHONE: 814-871-2317  
EMAIL: ERIC.RODRIGUES@VERIZON.COM

PA ONE CALL SYSTEM, INC., PHONE 1-800-242-1776, SERIAL NO. 20212233300 AND NO. 20212233301.

- CTV —
- S —
- W —
- G —
- E —
- T —
- FO —
- T —
- TU —

## GENERAL NOTES

THE LEGAL RIGHT-OF-WAY ON SR 4034 (BAYFRONT PARKWAY) / SR 0290 FROM STATION 374+00.00 TO STATION 374+38.00 IS VARIABLE, BASED ON PLAN OF SR 4034 SEC A60 R/W ERIE COUNTY, SIGNED BY THE GOVERNOR AUGUST 28, 2001, AND RECORDED IN THE ERIE COUNTY RECORDER OF DEEDS OFFICE ON SEPTEMBER 13, 2001, IN RIGHT-OF-WAY BOOK 16 PAGE 187. AND SUBSEQUENTLY REVISED ON DECEMBER 12, 2002 AND RE-RECORDER ON JANUARY 16, 2003 IN THE ERIE COUNTY RECORDER OF DEEDS OFFICE, IN RIGHT-OF-WAY BOOK 17 PAGE 7

THE LEGAL RIGHT-OF-WAY ON SR 4034 (BAYFRONT PARKWAY) / SR 0290 FROM STATION 374+38.00 TO STATION 381+80.00 IS VARIABLE. STATION 381+80.00 TO STATION 399+20.00 IS 80 FEET BASED ON PLAN OF SR 4034 SEC A51 R/W ERIE COUNTY, SIGNED BY THE GOVERNOR DECEMBER 08, 1999, AND RECORDED IN THE ERIE COUNTY RECORDER OF DEEDS OFFICE ON DECEMBER 29, 1999, IN RIGHT-OF-WAY BOOK 16 PAGE 164. AND SUBSEQUENTLY REVISED ON MARCH 21, 2000 AND RE-RECORDER ON APRIL 27, 2000 IN THE ERIE COUNTY RECORDER OF DEEDS OFFICE, IN RIGHT-OF-WAY BOOK 16 PAGE 170. AND SUBSEQUENTLY REVISED ON JULY 10, 2000 AND RE-RECORDER ON JULY 18, 2000 IN THE ERIE COUNTY RECORDER OF DEEDS OFFICE, IN RIGHT-OF-WAY BOOK 16 PAGE 172, AND SUBSEQUENTLY RE-AUTHORIZED ON MARCH 21, 2002 AND RE-RECORDER ON APRIL 23, 2002 IN THE ERIE COUNTY RECORDER OF DEEDS OFFICE, IN RIGHT-OF-WAY BOOK 16 PAGE 200.

THE LEGAL RIGHT-OF-WAY ON SR 4034 (BAYFRONT PARKWAY) FROM STATION 399+20.00 TO STATION 423+44.98 IS VARIABLE, BASED ON PLAN OF SR 4034 SEC A50 R/W ERIE COUNTY, SIGNED BY THE GOVERNOR APRIL 18, 1997, AND RECORDED IN THE ERIE COUNTY RECORDER OF DEEDS OFFICE ON AUGUST 8, 1997, IN RIGHT-OF-WAY BOOK 16 PAGE 147.

CONSTRUCT PROJECT IN ACCORDANCE WITH PUBLICATION 408 SPECIFICATIONS, DATED 2020.

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.

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

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).

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

HORIZONTAL CONTROL IS BASED ON THE PENNSYLVANIA STATE PLANE COORDINATE SYSTEM (SPCS 83) (NORTH ZONE).

THE AVERAGE COMBINED SCALE FACTOR = 1.0000098512

VERTICAL CONTROL IS BASED ON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88).

ALL CURVE DATA IS BASED ON THE ARC DEFINITION UNLESS OTHERWISE NOTED.

THERE ARE NO NAVIGABLE STREAMS WITHIN THIS PROJECT.

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

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

- RC-10M JUNE 1, 2010
- RC-13M JUNE 1, 2010
- RC-20M NOV 1, 2022
- RC-22M FEB 8, 2019
- RC-27M NOV 30, 2021
- RC-28M NOV 1, 2022
- RC-30M FEB 27, 2023
- RC-32M JUNE 1, 2010
- RC-39M NOV 30, 2021
- RC-45M FEB 19, 2021
- RC-46M FEB 19, 2021
- RC-64M FEB 19, 2021
- RC-67M FEB 19, 2021
- RC-72M FEB 8, 2019
- TC-8600 JUNE 13, 2013
- TC-8602 JUNE 13, 2013
- TC-8604 AUGUST 17, 2021
- TC-8700C JUNE 13, 2013
- TC-8702B JUNE 13, 2013
- TC-8716 JUNE 13, 2013
- TC-8717 JUNE 13, 2013
- TC-8803 DEC 12, 2011
- TC-8804 DEC 12, 2011
- TC-8805 DEC 12, 2011
- TC-8806 DEC 12, 2011

## SUMMARY OF PROJECT COORDINATES

BASED ON PENNSYLVANIA STATE PLANE COORDINATE SYSTEM (SPCS 83) (NORTH ZONE)  
AVERAGE COMBINED SCALE FACTOR = 1.0000098512

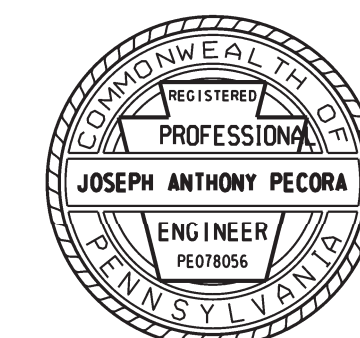
ROUTE	STATION	POINT	COORDINATES		BEARING
			NORTH	EAST	
SR 0290 CONSTR C	373+60.74	PC	723937.0213	1341699.5407	N 38°03'21" W
	375+51.19	PI	724086.9799	1341582.1448	N 34°14'55" W
	376+00.00	POC	724128.4390	1341556.0311	
	376+00.00	POC	724128.4390	1341556.0311	N 38°32'19" W
SR 4034 SURVEY & CONSTR C	377+41.49	PRC	724244.4025	1341474.9651	
	379+56.11	PI	724421.8049	1341354.1824	
	381+70.52	PT	724589.6751	1341220.4676	
	393+06.96	PC	725478.5854	1340512.4179	
	394+48.99	PI	725589.6769	1340423.9294	
	395+90.98	PRC	725697.4023	1340331.3727	
	397+33.01	PI	725805.1264	1340238.8171	
	409+19.75	PC	726733.4053	1339499.4080	
	410+49.99	PI	726835.2798	1339418.2612	
	411+80.06	PT	726944.0972	1339346.6931	
423+44.98	POT	727917.3870	1338706.5704		
PORT ACCESS ROAD CONSTR C	10+00.00	POT	727917.3870	1338706.5704	N 39°37'54" W
	12+00.00	POT	728071.4190	1338579.0002	

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

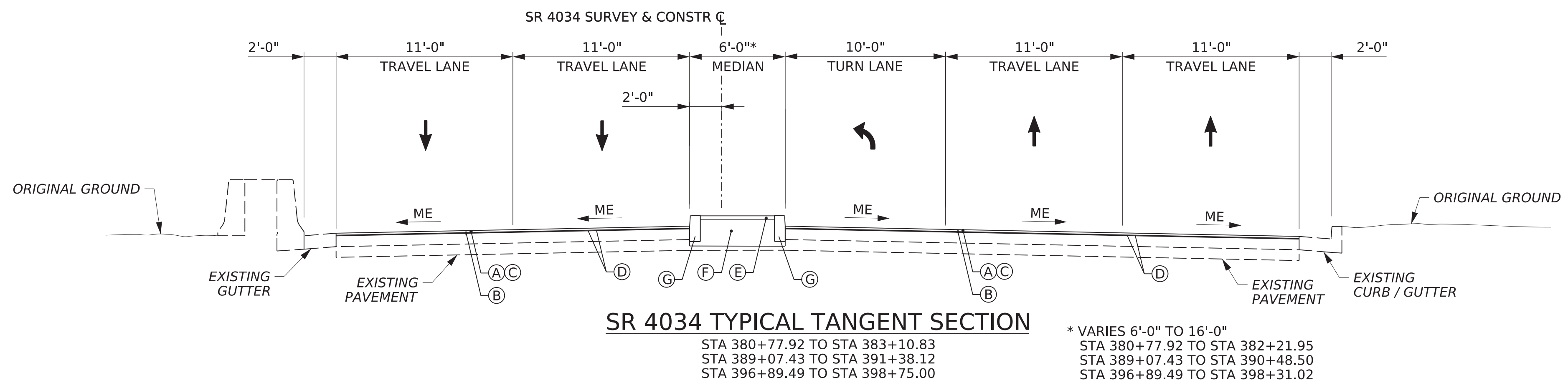
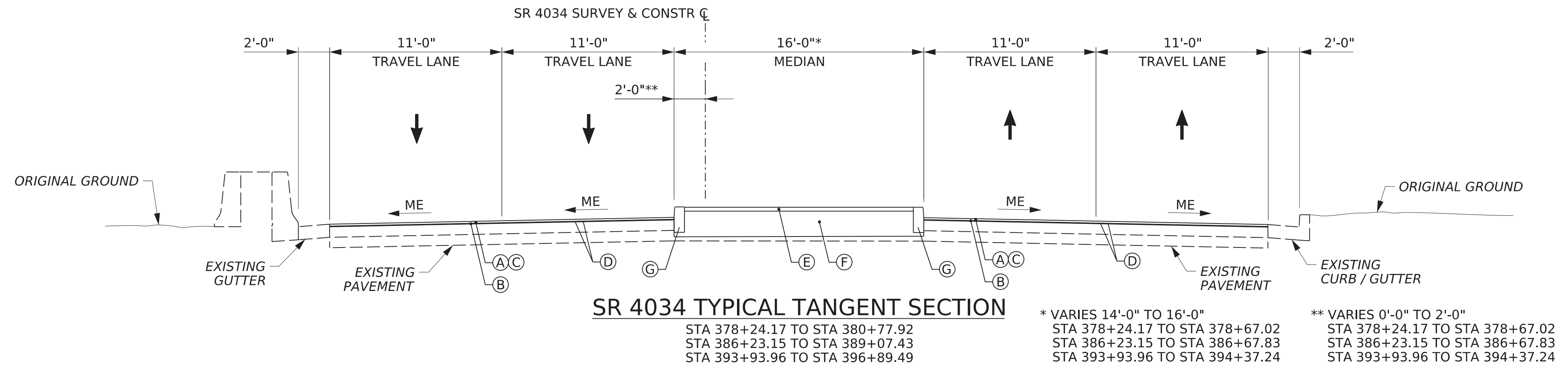
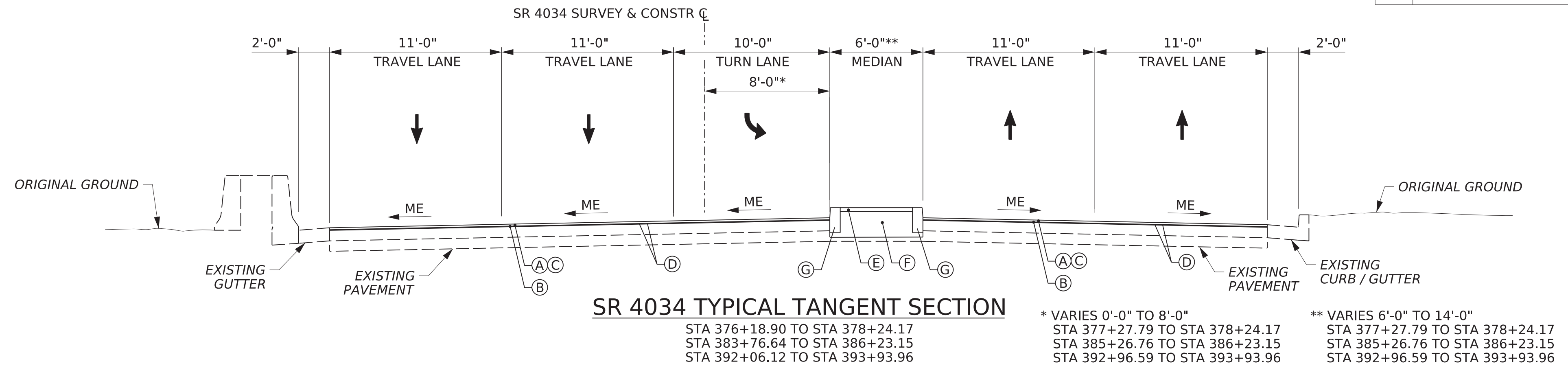
## EARTHWORK SUMMARY ENTIRE PROJECT

CUBIC YARDS OF EXCAVATION							CUBIC YARDS OF COMPLETED EMBANKMENT*	CUBIC YARDS OF COMMON BORROW EXCAVATION	CUBIC YARDS OF SELECTED BORROW EXCAVATION, COARSE AGGREGATE NO. 1	CUBIC YARDS OF WASTE
CLASS 1	CLASS 1A	CLASS 1B	CLASS 1C	CLASS 2	CLASS 3	CLASS 4				
-	-	1125	-	-	-	-	-	-	-	1125

\*INCLUDES ALL BORROW ITEMS



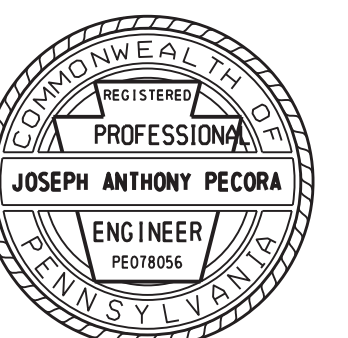
DISTRICT	COUNTY	ROUTE	SECTION	SHEET		
1-0	ERIE	4034	500	5 OF 30		
CITY OF ERIE						
REV NO	REVISIONS			DATE	BY	APPD



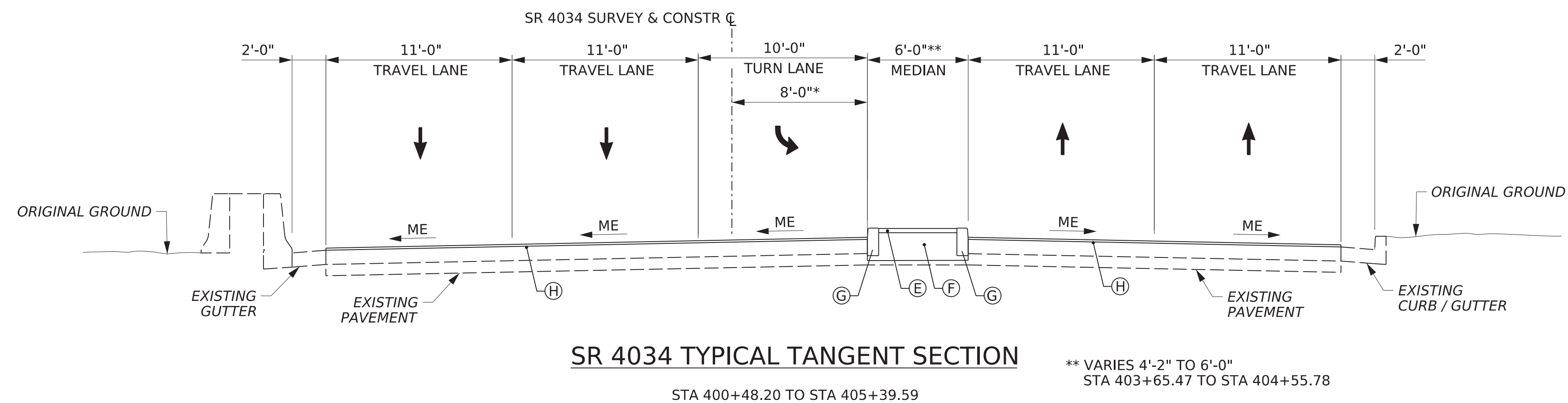
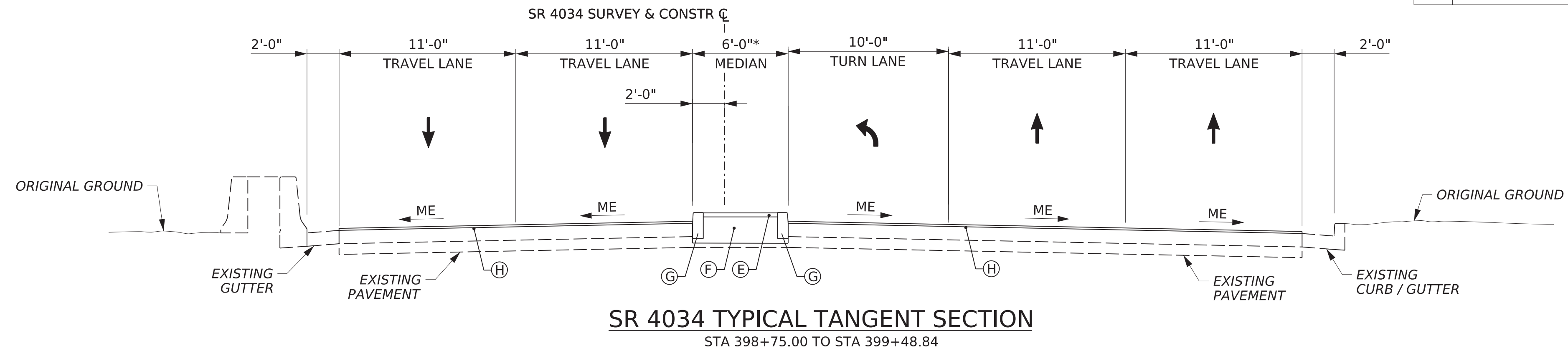
**LEGEND**

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 0.3 TO < 3.0 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (SCRATCH), PG 64S-22, 0.3 TO < 3.0 MILLION ESALS, 9.5 MM MIX, SRL-L
- (C) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR
- (D) ASPHALT TACK COAT (NTT/CNTT)
- (E) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (F) SUBBASE 14" DEPTH (NO. 2A)
- (G) PLAIN CEMENT CONCRETE CURB, 8" HEIGHT
- (H) ULTRA-THIN BONDED WEARING COURSE, GRADATION TYPE B, PG 64E-22, SRL-H, EXISTING SURFACE MODIFICATIONS & WEATHER LIMITATIONS (5/8" DEPTH)
- ME MATCH EXISTING CROSS SLOPE

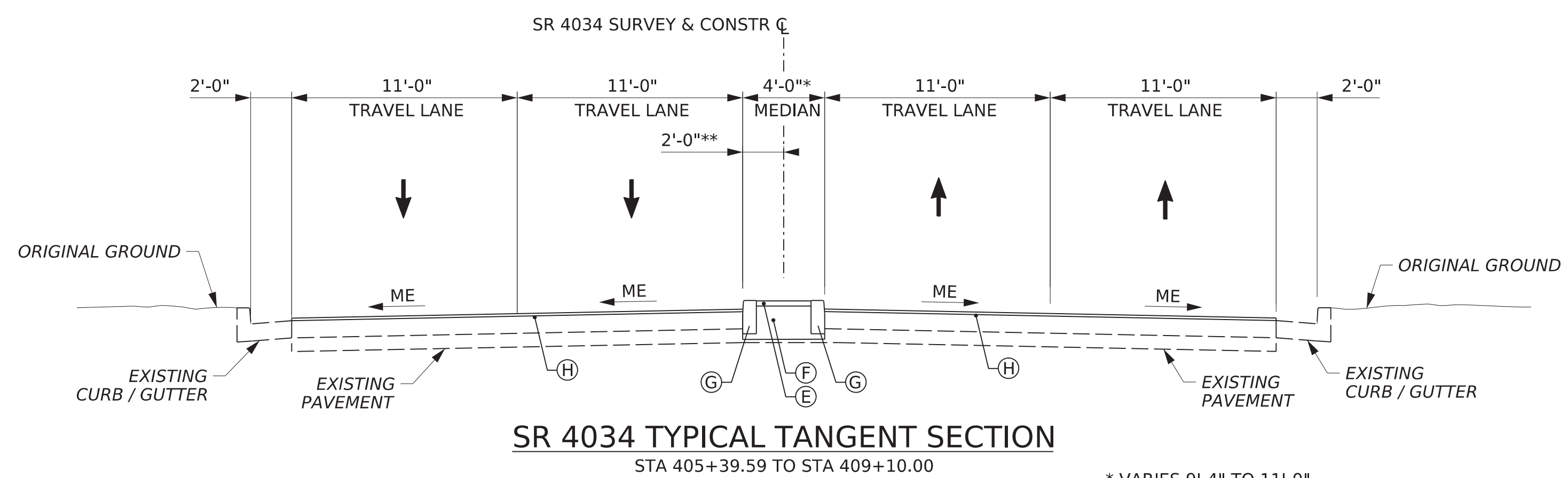
NOT TO SCALE



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
1-0	ERIE	4034	500	6 OF 30
CITY OF ERIE				
REV NO	REVISIONS	DATE	BY	APPD



\*\* VARIES 4'-2" TO 6'-0"  
 STA 403+65.47 TO STA 404+55.78  
 VARIES 4'-2" TO 9'-4"  
 STA 404+55.78 TO STA 405+39.59

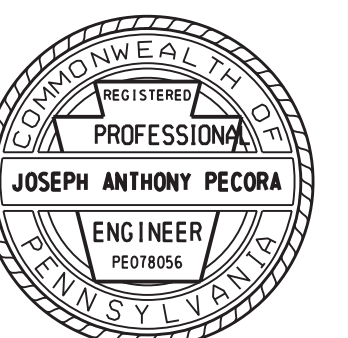


\* VARIES 9'-4" TO 11'-0"  
 STA 405+39.59 TO STA 405+71.68  
 VARIES 4'-0" TO 11'-0"  
 STA 405+71.68 TO STA 408+67.28  
 \*\* VARIES 0'-0" TO 2'-0"  
 STA 405+39.59 TO STA 405+84.27

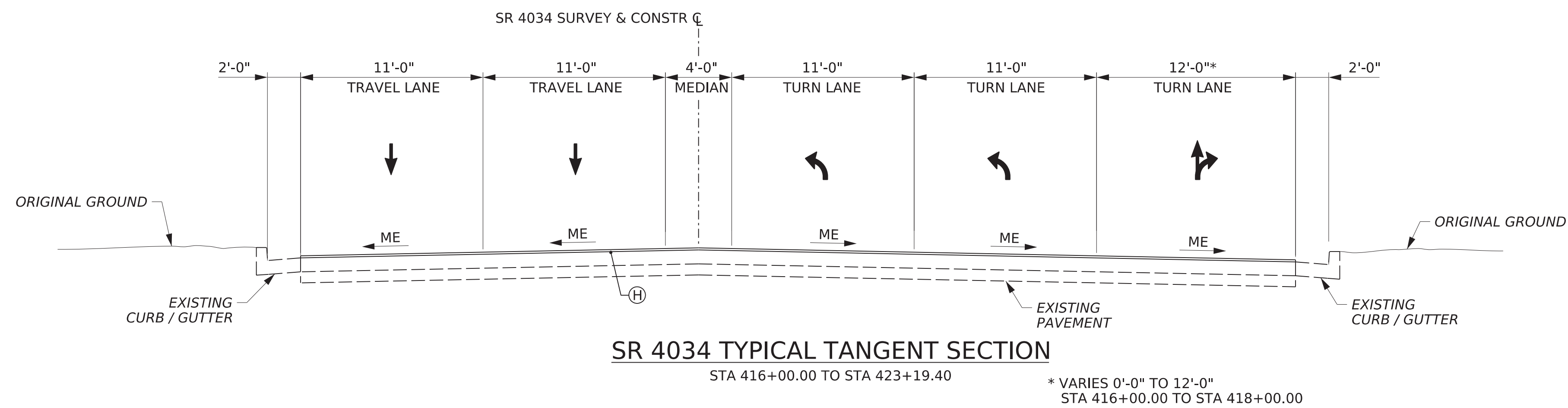
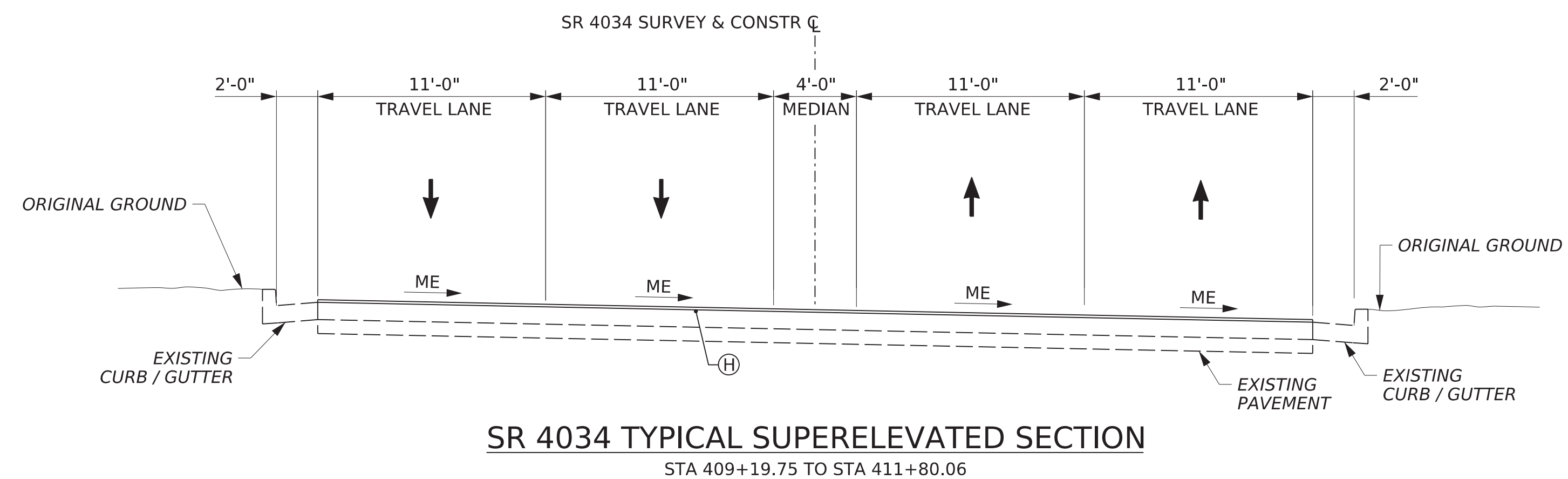
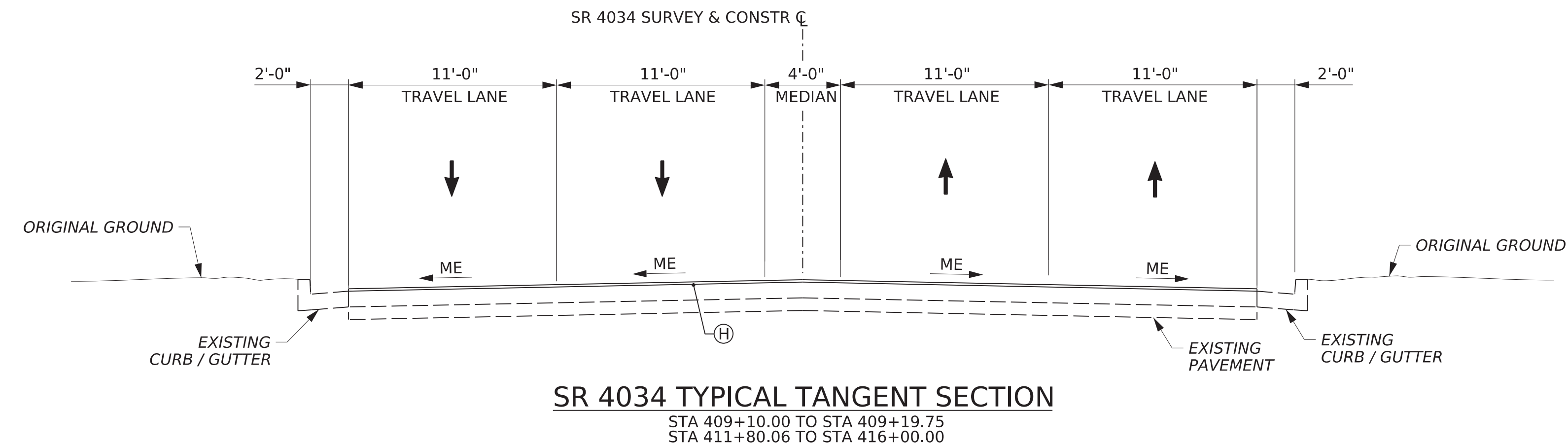
**LEGEND**

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 0.3 TO < 3.0 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (SCRATCH), PG 64S-22, 0.3 TO < 3.0 MILLION ESALS, 9.5 MM MIX, SRL-L
- (C) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR
- (D) ASPHALT TACK COAT (NTT/CNTT)
- (E) PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- (F) SUBBASE 14" DEPTH (NO. 2A)
- (G) PLAIN CEMENT CONCRETE CURB, 8" HEIGHT
- (H) ULTRA-THIN BONDED WEARING COURSE, GRADATION TYPE B, PG 64E-22, SRL-H, EXISTING SURFACE MODIFICATIONS & WEATHER LIMITATIONS (5/8" DEPTH)
- ME MATCH EXISTING CROSS SLOPE

NOT TO SCALE



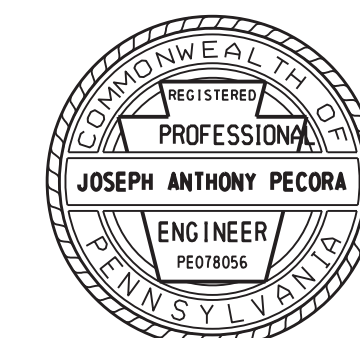
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
1-0	ERIE	4034	500	7 OF 30
CITY OF ERIE				
REV NO	REVISIONS	DATE	BY	APPD



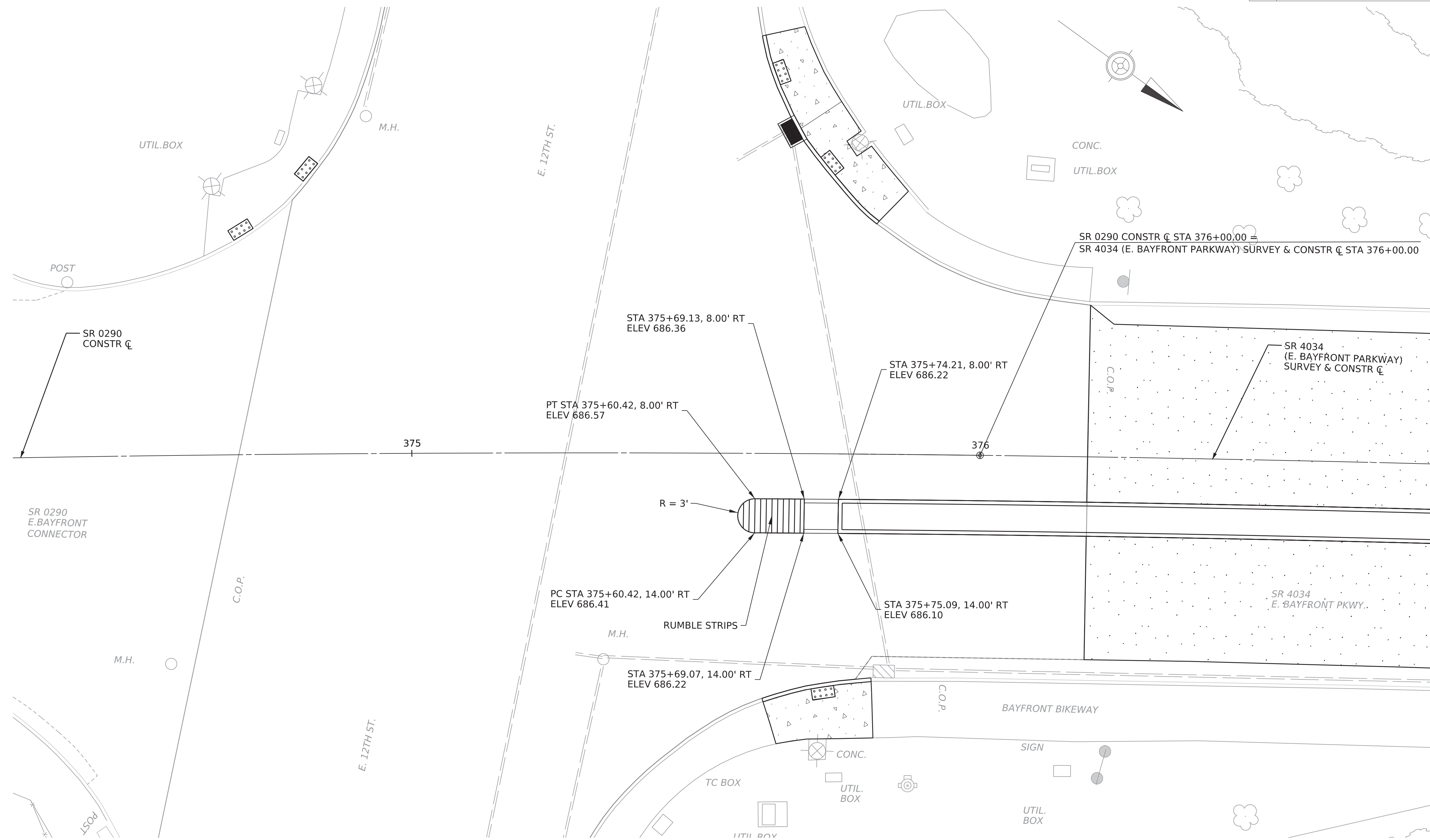
**LEGEND**

- Ⓐ SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 0.3 TO < 3.0 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H
- Ⓑ SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (SCRATCH), PG 64S-22, 0.3 TO < 3.0 MILLION ESALS, 9.5 MM MIX, SRL-L
- Ⓒ MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR
- Ⓓ ASPHALT TACK COAT (NTT/CNTT)
- Ⓔ PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH
- Ⓕ SUBBASE 14" DEPTH (NO. 2A)
- Ⓖ PLAIN CEMENT CONCRETE CURB, 8" HEIGHT
- Ⓗ ULTRA-THIN BONDED WEARING COURSE, GRADATION TYPE B, PG 64E-22, SRL-H, EXISTING SURFACE MODIFICATIONS & WEATHER LIMITATIONS (5/8" DEPTH)
- ME MATCH EXISTING CROSS SLOPE

NOT TO SCALE

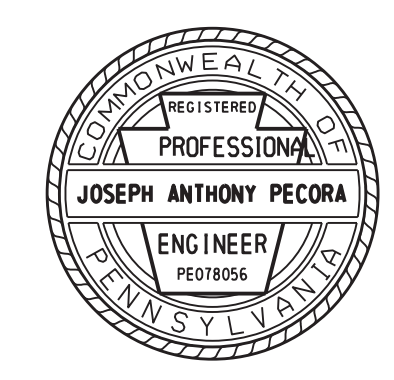


DISTRICT	COUNTY	ROUTE	SECTION	SHEET		
1-0	ERIE	4034	500	8 OF 30		
CITY OF ERIE						
REV NO	REVISIONS			DATE	BY	APPD



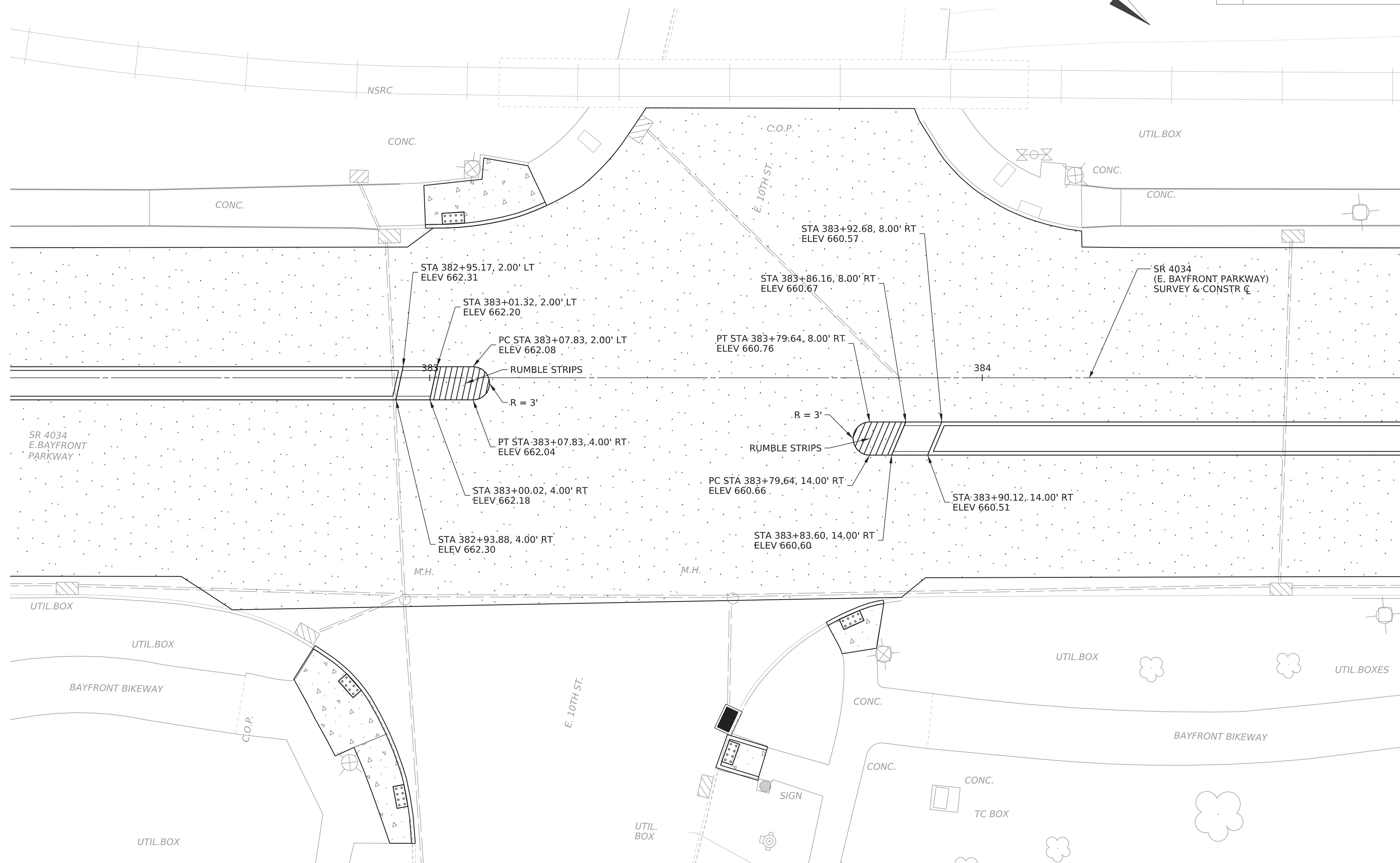
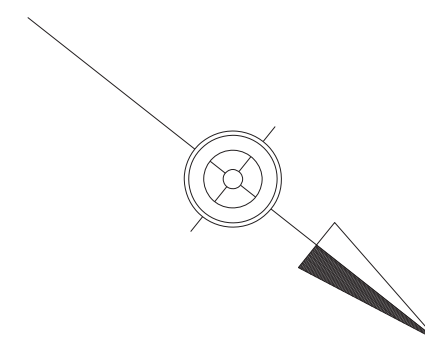
- LEGEND**
- MILL AND INLAY
  - OVERLAY
  - CEMENT CONCRETE
  - DETECTABLE WARNING SURFACE
  - PROPOSED DRAINAGE INLET

**INTERSECTION DETAILS**  
**SR 4034 AND E. 12TH STREET**



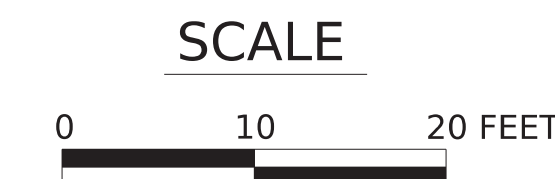


DISTRICT	COUNTY	ROUTE	SECTION	SHEET
1-0	ERIE	4034	500	9 OF 30
CITY OF ERIE				
REV NO	REVISIONS	DATE	BY	APPD

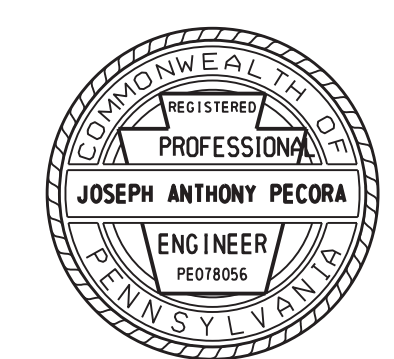


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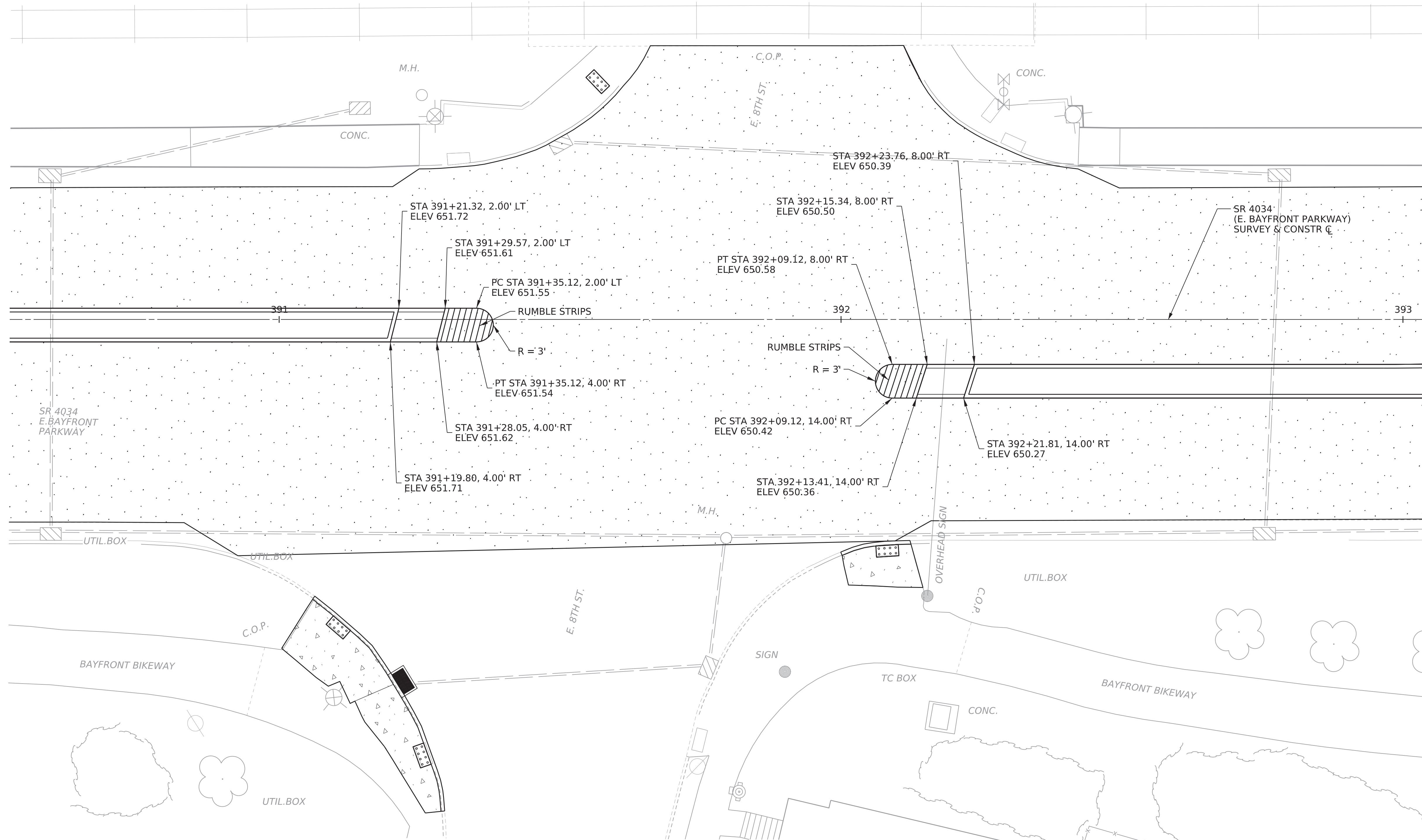
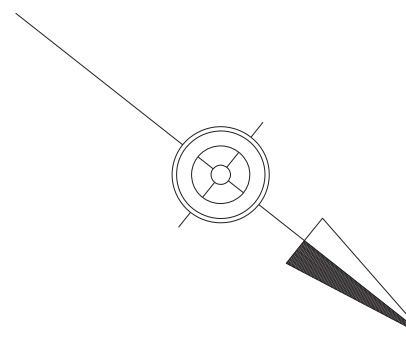
MILL AND INLAY	
OVERLAY	
CEMENT CONCRETE	
DETECTABLE WARNING SURFACE	
PROPOSED DRAINAGE INLET	



**INTERSECTION DETAILS**  
**SR 4034 AND E. 10TH STREET**

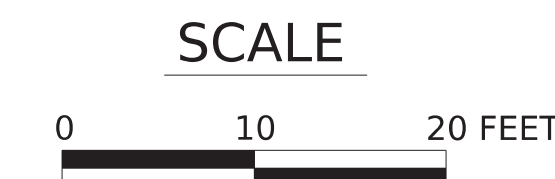


DISTRICT	COUNTY	ROUTE	SECTION	SHEET
1-0	ERIE	4034	500	10 OF 30
CITY OF ERIE				
REV NO	REVISIONS	DATE	BY	APPD

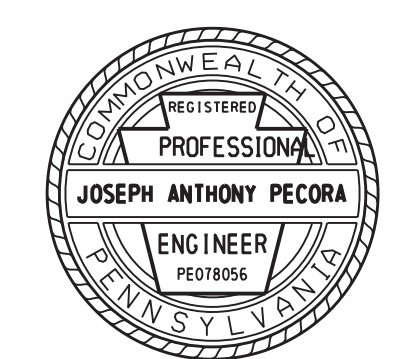


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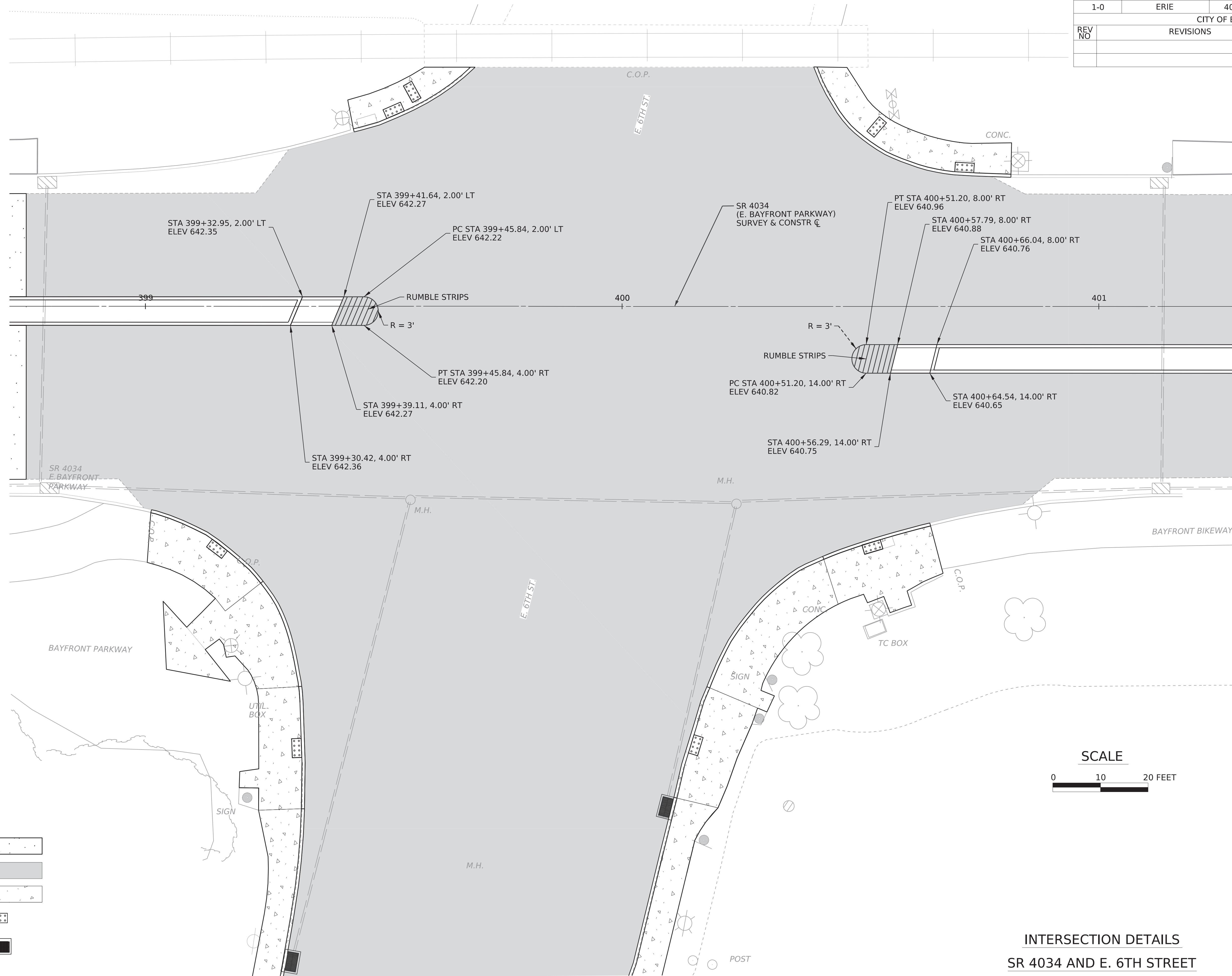
MILL AND INLAY	
OVERLAY	
CEMENT CONCRETE	
DETECTABLE WARNING SURFACE	
PROPOSED DRAINAGE INLET	



**INTERSECTION DETAILS**  
**SR 4034 AND E. 8TH STREET**

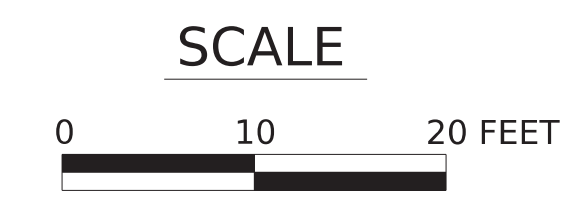


DISTRICT	COUNTY	ROUTE	SECTION	SHEET		
1-0	ERIE	4034	500	11 OF 30		
CITY OF ERIE						
REV NO	REVISIONS			DATE	BY	APPD

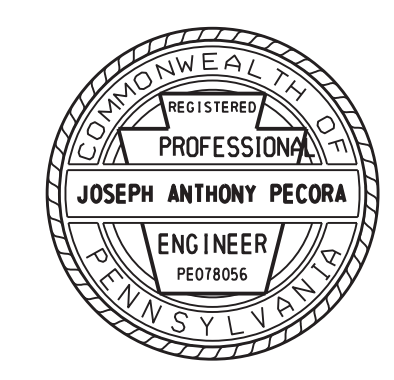


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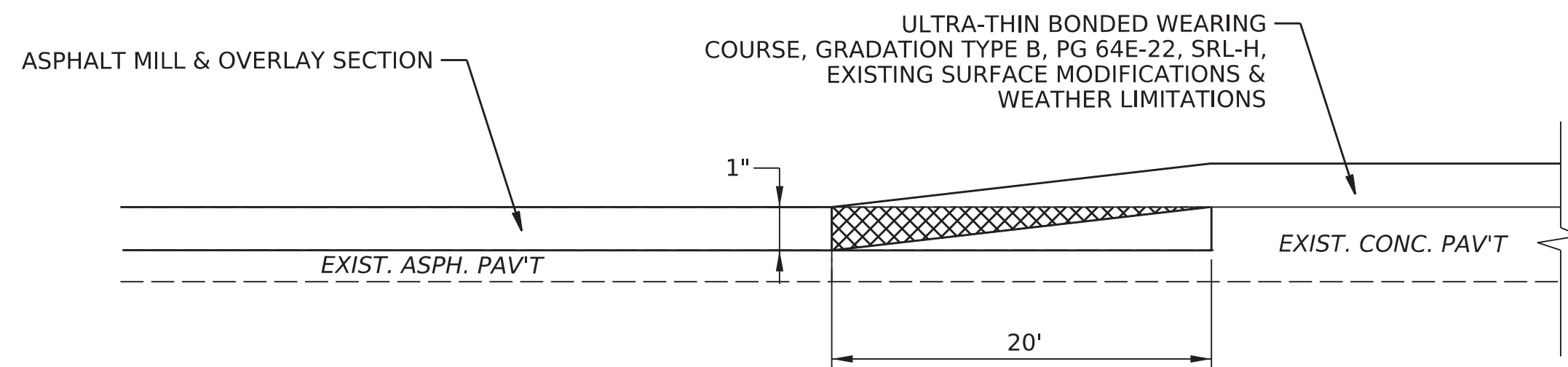
MILL AND INLAY	
OVERLAY	
CEMENT CONCRETE	
DETECTABLE WARNING SURFACE	
PROPOSED DRAINAGE INLET	



**INTERSECTION DETAILS**  
**SR 4034 AND E. 6TH STREET**

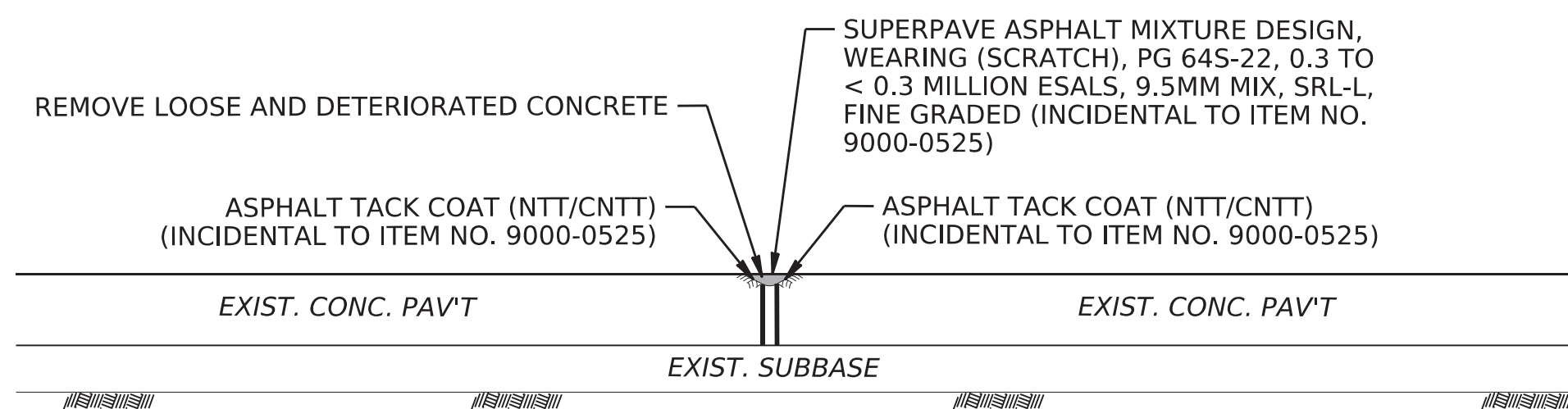


DISTRICT	COUNTY	ROUTE	SECTION	SHEET
1-0	ERIE	4034	500	12 OF 30
CITY OF ERIE				
REV NO	REVISIONS	DATE	BY	APPD



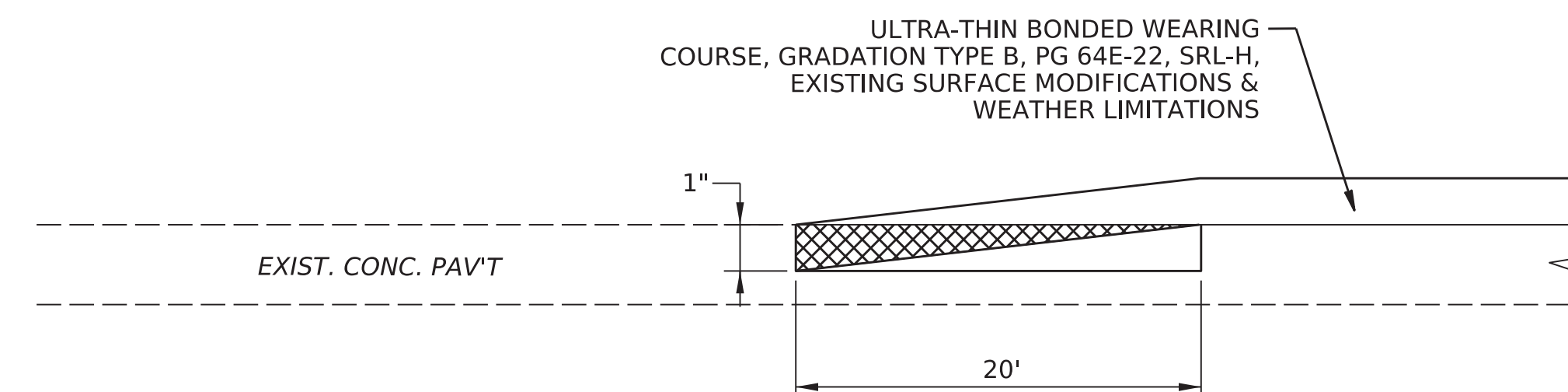
**OVERLAY TRANSITION TO ASPHALT SECTIONS**

OVERLAY TRANSITION INCIDENTAL TO ITEM NO. 4489-1001



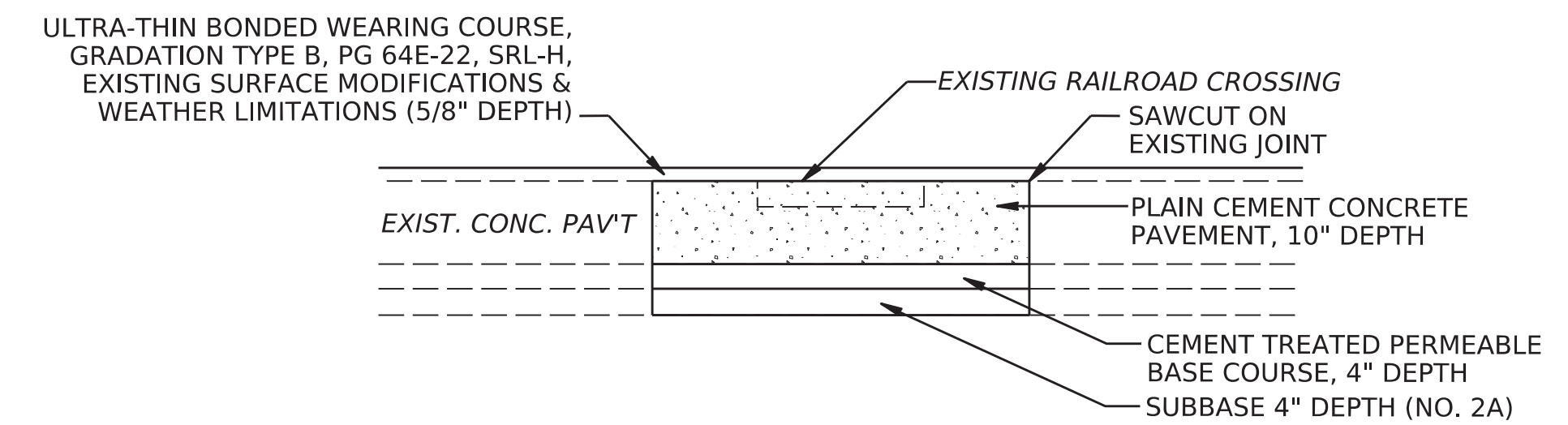
**CONCRETE PAVEMENT SPALL REPAIR DETAIL**

ITEM #9000-0525  
AS DIRECTED



**OVERLAY TRANSITION ON CONCRETE PAVEMENTS**

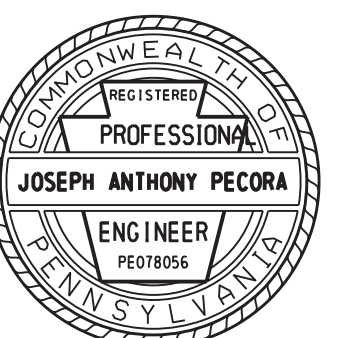
OVERLAY TRANSITION INCIDENTAL TO ITEM NO. 4489-1001



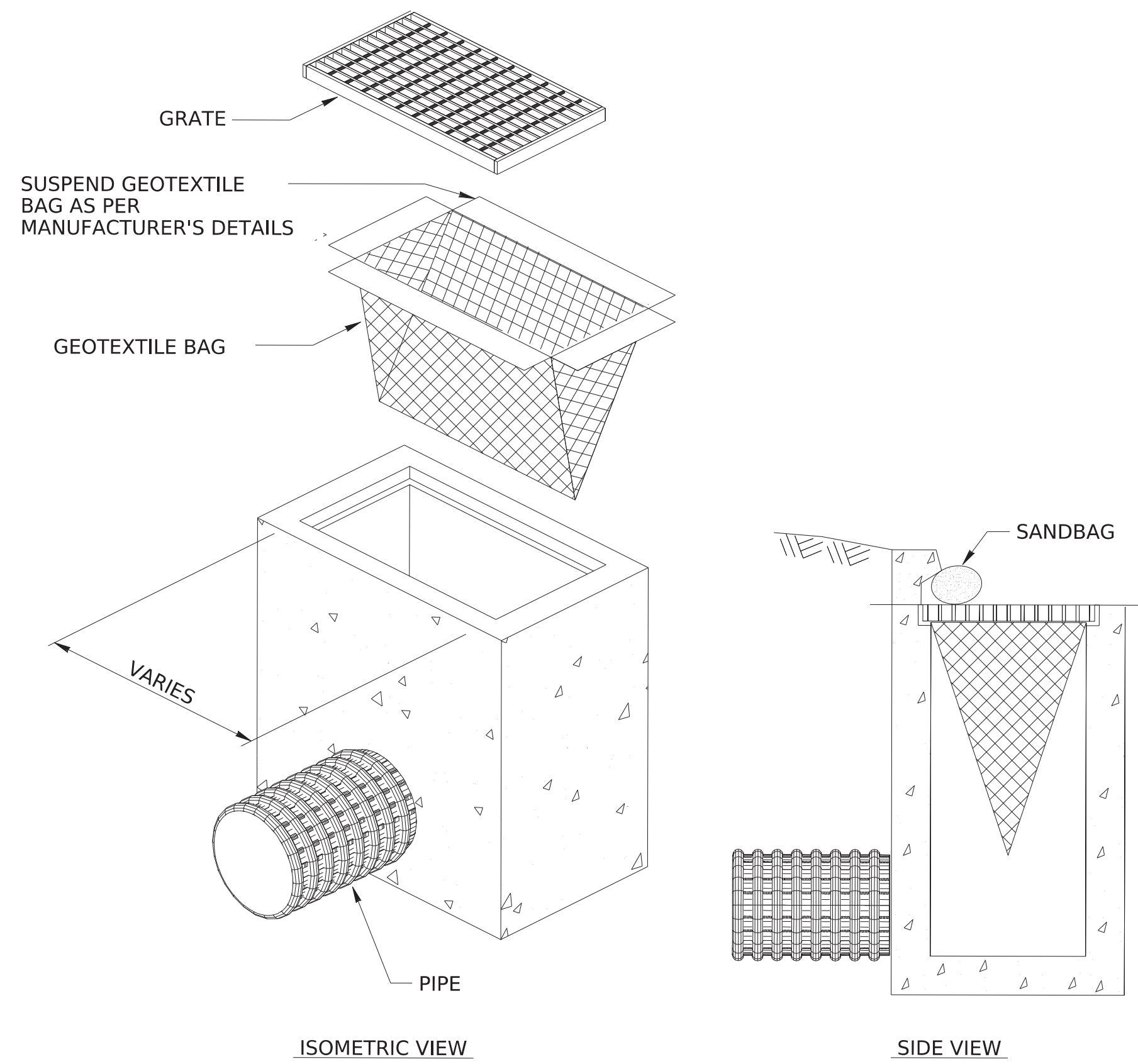
**RAILROAD CROSSING REMOVAL DETAIL**

NOT TO SCALE

SPECIAL DETAILS



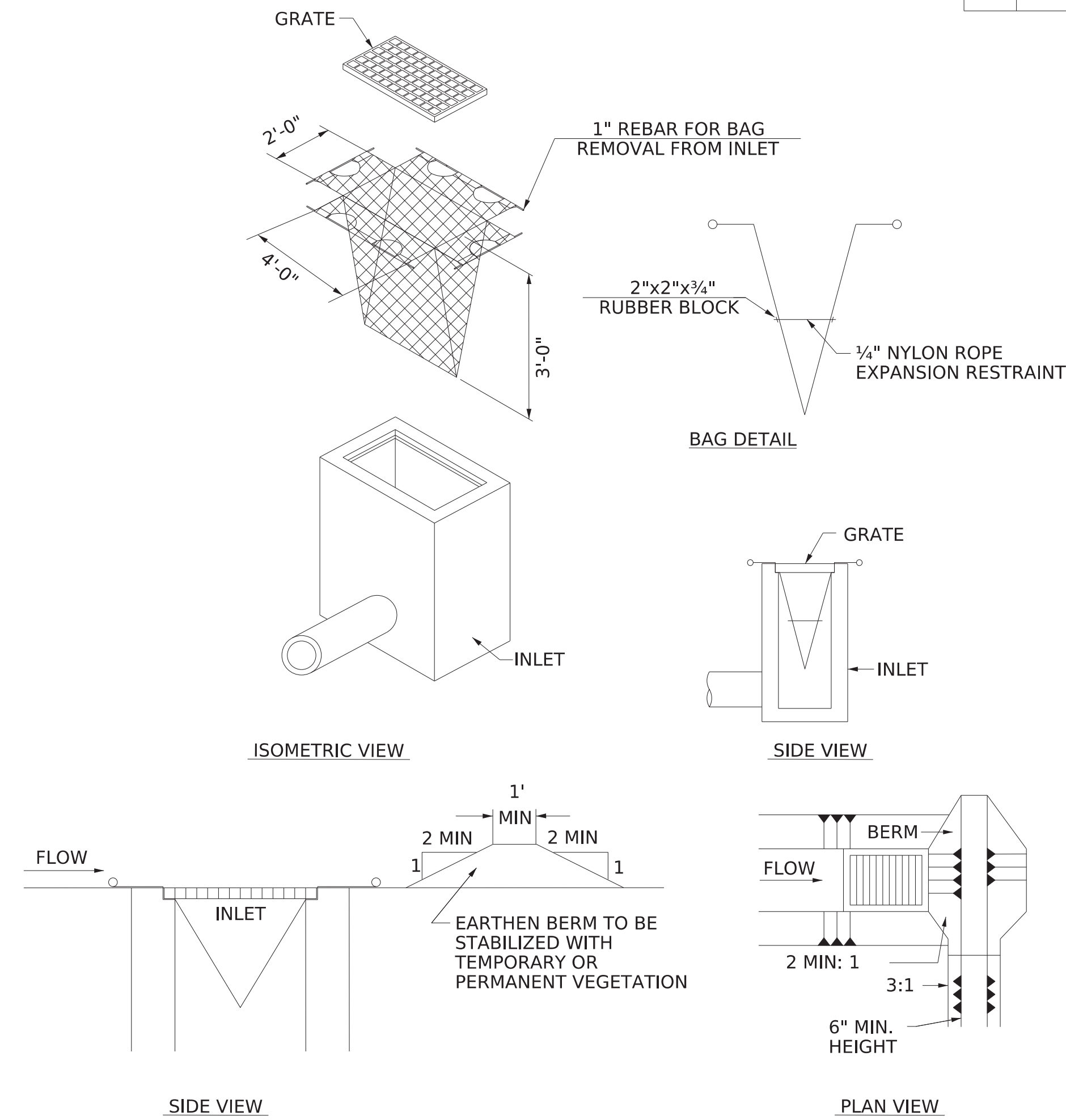
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
1-0	ERIE	4034	500	13 OF 30
CITY OF ERIE				
REV NO	REVISIONS	DATE	BY	APPD



**FILTER BAG INLET PROTECTION - TYPE C**  
NOT TO SCALE

**NOTES:**

1. INSPECT INLET FILTER BAG AFTER EACH RUNOFF EVENT. MAINTAIN AS REQUIRED TO ENSURE PROPER FUNCTIONING OF THE BAG.
2. REMOVE ACCUMULATED SEDIMENT/DEBRIS WHEN THE INLET FILTER REACHES ONE-HALF MAXIMUM CAPACITY.
3. REPLACE FILTER BAG IF RIPPED OR TORN.
4. PROVIDE DOWN GRADIENT BERM AS REQUIRED. DO NOT USE IN SAG/SUMP CONDITIONS.
5. USE SANDBAGS AT TYPE C, 1, 11 OR 12 INLET CURB OPENINGS TO PREVENT BYPASS FLOW.
6. REMOVE AND PROPERLY DISPOSE OF INLET FILTER BAG WHEN NO LONGER NEEDED.

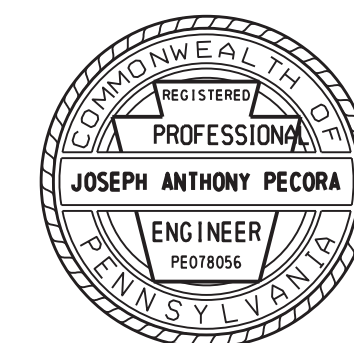


**FILTER BAG INLET PROTECTION - TYPE M**  
NOT TO SCALE

**NOTES:**

1. INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT.
2. INLET FILTER BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN BAG IS 1/2 FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET.
3. DAMAGED OR CLOGGED FILTER BAGS SHALL BE REPLACED IMMEDIATELY. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS.
4. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE.
5. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

**EROSION CONTROL DETAIL**



# SUMMARY

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				01	ERIE	4034	S00	14 OF 30
CITY OF ERIE								

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	EITHER 76 LF	0601 0353 LF	18" THERMOPLASTIC PIPE, GROUP III, 8'-2' FILL	1	22-23	3	0697 0610 EACH	RESET TEMPORARY IMPACT ATTENUATING DEVICE, TYPE V (STANDARD), TEST LEVEL 3		TCP	256	0954 0012 LF	2 INCH CONDUIT		TSP	
1125	0203 0004 CY	CLASS 1B EXCAVATION		16-21	OR 76 LF	0601 7313 LF	18" REINFORCED CONCRETE PIPE, TYPE B, 15' - 1.5' FILL	1	22-23	18	0860 0000 EACH	INLET FILTER BAG FOR TYPE M INLET		22-23	116	0954 0151 LF	TRENCH AND BACKFILL, TYPE I		TSP	
7891	0203 0006 LF	SAW CUTTING		16-21	1	0605 2401 SET	MANHOLE FRAME AND COVER		22-23	58	0860 0002 EACH	INLET FILTER BAG FOR TYPE C INLET		22-23	63	0954 0152 LF	TRENCH AND BACKFILL, TYPE II		TSP	
307	0303 0001 SY	CEMENT TREATED PERMEABLE BASE COURSE, 4" DEPTH		16-21	1	0605 2731 SET	TYPE M CONCRETE TOP UNIT AND BICYCLE SAFE GRATE		22-23		0901 0001 LS	MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION		TCP	2318	0954 0201 LF	SIGNAL CABLE, 14 AWG, 3 CONDUCTOR		TSP	
335	0313 0322 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, < 0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH		16-21	6	0605 2850 EACH	STANDARD INLET BOX, HEIGHT < />= 10'		22-23	4	0901 0203 EACH	ARROW PANEL		TCP	456	0954 0202 LF	SIGNAL CABLE, 14 AWG, 5 CONDUCTOR		TSP	
28	0350 0104 SY	SUBBASE 4" DEPTH (NO. 2A)		16-21	1	0605 3011 EACH	TYPE 4 MANHOLE, STORM WATER, HEIGHT >5' AND < />= 10'		22-23	20	0901 0231 DAY	ADDITIONAL WARNING LIGHTS, TYPE B		TCP	60	4954 0202 LF	SIGNAL CABLE, 14 AWG, 5 CONDUCTOR, TEMPORARY		TCP	
2893	0350 0114 SY	SUBBASE 14" DEPTH (NO. 2A)		16-21	10	0605 5720 SET	TYPE C CONCRETE TOP UNIT, 8" CURB HEIGHT AND GRATE		22-23	100	0901 0240 SF	ADDITIONAL TRAFFIC CONTROL SIGNS		TCP	2195	0954 0203 LF	SIGNAL CABLE, 14 AWG, 7 CONDUCTOR		TSP	
12788	0413 0383 SY	SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 0.3 TO < 3 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H		16-21	2	0606 0050 SET	GRADE ADJUSTMENT OF EXISTING INLETS		22-23	45	0901 0270 EACH	SEQUENTIAL WARNING LIGHTS		TCP	80	4954 0203 LF	SIGNAL CABLE, 14 AWG, 7 CONDUCTOR, TEMPORARY		TCP	
718	0413 1024 TON	SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (SCRATCH), PG 64S-22, 0.3 TO < 3 MILLION ESALS, 9.5 MM MIX, SRL-L		16-21	4	0606 0150 SET	GRADE ADJUSTMENT OF EXISTING MANHOLES		22-23	26058	0901 0320 LF	4" STANDARD PAVEMENT MARKINGS, PAINT & BEADS, YELLOW		TCP	5	0954 0403 EACH	ELECTRICAL SERVICE, TYPE C		TSP	
30000	0413 9999 DOLLA	PERCENT WITHIN LIMITS (PWL) LOT INCENTIVE/DISINCENTIVE		NO TAB		0608 0001 LS	MOBILIZATION		NO TAB	620	0901 0321 LF	6" STANDARD PAVEMENT MARKINGS, PAINT & BEADS, YELLOW		TCP	3	0954 0600 EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS)		TSP	
25548	0460 0003 SY	ASPHALT TACK COAT (NTT/CNTT)		16-21		0609 0003 LS	INSPECTOR'S FIELD OFFICE AND INSPECTION FACILITIES, TYPE B		NO TAB	5444	0901 0331 LF	6" STANDARD PAVEMENT MARKINGS, PAINT & BEADS, WHITE		TCP	6	0955 1503 EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, THREE 12" SECTIONS		TSP	
15957	4489 1001 SY	ULTRA-THIN BONDED WEARING COURSE, GRADATION TYPE B, PG 64E-22, SRL-H, EXISTING SURFACE MODIFICATIONS & WEATHER LIMITATIONS		16-21		0609 0009 LS	EQUIPMENT PACKAGE		NO TAB	611	0901 0334 LF	24" STANDARD PAVEMENT MARKINGS, PAINT & BEADS, WHITE		TCP	3	0955 1504 EACH	OPTICALLY PROGRAMMED SIGNAL HEAD, FOUR 12" SECTIONS		TSP	
12760	0491 0013 SY	MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR		16-21	620	0627 3019 LF	TEMPORARY BARRIER, TEST LEVEL 3, BARRIER DEFLECTION DISTANCE < />=1'		TCP	3	0901 0450 EACH	3-LINE CHANGEABLE MESSAGE SIGN WITH TELECOMMUNICATIONS		TCP	41	0955 3208 EACH	VEHICULAR SIGNAL HEAD, THREE 12" SECTIONS		TSP	
2893	0501 0020 SY	PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH		16-21	780	0628 3019 LF	RESET TEMPORARY BARRIER, TEST LEVEL 3, BARRIER DEFLECTION DISTANCE < />=1'		TCP	299	0931 0001 SF	POST MOUNTED SIGNS, TYPE B		SP	19	0955 3209 EACH	VEHICULAR SIGNAL HEAD, FOUR 12" SECTIONS		TSP	
307	0501 0032 SY	PLAIN CEMENT CONCRETE PAVEMENT, 10" DEPTH		16-21	6804	0630 0041 LF	PLAIN CEMENT CONCRETE CURB, 8" HEIGHT		16-21	24	0931 0002 SF	POST MOUNTED SIGNS, TYPE B, STEEL CHANNEL BAR POST		TSP	1	0955 3210 EACH	VEHICULAR SIGNAL HEAD, FIVE 12" SECTIONS		TSP	
15302	0512 0001 LF	LONGITUDINAL JOINT CLEANING AND SEALING		16-21	42	0641 0005 SY	PLAIN CEMENT CONCRETE CURB GUTTER		16-21	109	0935 0001 SF	POST MOUNTED SIGNS, TYPE F		SP	36	0955 3722 EACH	LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, TYPE A		TSP	
10033	0515 0001 LF	SAWING AND SEALING OF ASPHALT OVERLAYS		16-21	246	4660 0002 LF	MILLED ASPHALT PAVEMENT CENTERLINE RUMBLE STRIPS TYPE 2, MEDIAN NOSE		16-21	165	4936 0010 SF	STRUCTURE MOUNTED FLAT SHEET ALUMINUM SIGNS WITH STIFFENERS, WITH AIRCRAFT WIRE ROPE		TSP	36	4956 0790 EACH	ACCESSIBLE PEDESTRIAN SIGNALS, 2 WIRE SYSTEM		TSP	
586	0516 2007 LF	PATCHING JOINT		16-21	64	4660 0007 LF	MILLED CONCRETE PAVEMENT CENTERLINE RUMBLE STRIPS TYPE 2, MEDIAN NOSE		16-21	58	0937 0301 EACH	FLEXIBLE DELINEATOR POST, SURFACE-MOUNT TYPE SM-1, YELLOW POST WITH YELLOW SHEETING		PMP	1	0958 0321 EACH	TEMPORARY MODIFICATIONS TO EXISTING PERMANENT TRAFFIC SIGNAL (2 APPROACHES)		TCP	
293	0516 2009 LF	NEW PAVEMENT JOINT, NON-SKEWED		16-21	586	4676 0001 SY	CEMENT CONCRETE SIDEWALK, FOR ADA RAMPS		16-21	25000	0950 0002 DOLLA	UNFORESEEN TRAFFIC SIGNAL WORK		NO TAB	1	0958 0322 EACH	TEMPORARY MODIFICATIONS TO EXISTING PERMANENT TRAFFIC SIGNAL (2 APPROACHES)		TCP	
3547	0516 2021 CY	SUBBASE MATERIAL FOR CONCRETE PAVEMENT PATCHING		16-21		0686 0020 LS	CONSTRUCTION SURVEYING, TYPE B		NO TAB	13	4951 4020 EACH	PEDESTRIAN STUB POLE, TYPE B OR E		TSP	1	0958 0323 EACH	TEMPORARY MODIFICATIONS TO EXISTING PERMANENT TRAFFIC SIGNAL (2 APPROACHES)		TCP	
418	0516 3034 SY	ACCELERATED CONCRETE PAVEMENT PATCHING, TYPE A, 10" DEPTH		16-21		0689 0003 LS	CPM SCHEDULE		NO TAB	5	4952 1030 EACH	NEMA TS-2; TYPE 1 CONTROLLER ASSEMBLY, TYPE 1 MOUNTING (ECONOLITE)		TSP	1	0958 0324 EACH	TEMPORARY MODIFICATIONS TO EXISTING PERMANENT TRAFFIC SIGNAL (2 APPROACHES)		TCP	
8688	0521 0001 LF	TRANSVERSE JOINT CLEANING AND SEALING		16-21	1000	0690 0001 DOLLA	INTERNAL FACILITATION		NO TAB		0953 0406 LS	WIRELESS BROADBAND COMMUNICATIONS SYSTEM		TSP						
57	0525 0032 SF	CONCRETE PAVEMENT PARTIAL-DEPTH REPAIR, TYPE 1, RAPID-SET		16-21	224	4695 0004 SF	DETECTABLE WARNING SURFACE, POLYMER COMPOSITE, CITY OF ERIE		16-21	5	0953 0601 EACH	MANAGED NETWORK SWITCH, FIELD SWITCH TYPE B		TSP						
24	0525 0035 SF	CONCRETE PAVEMENT PARTIAL-DEPTH REPAIR, TYPE 2, RAPID-SET		16-21	3	0696 0610 EACH	TEMPORARY IMPACT ATTENUATING DEVICE, TYPE V (STANDARD), TEST LEVEL 3		TCP		0953 0802 LS	UNIFIED COMMAND AND CONTROL (UCC) SYSTEM INTEGRATION		NO TAB						

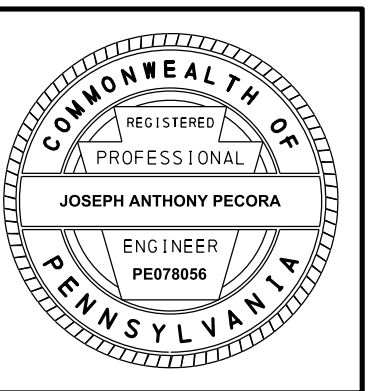


# SUMMARY

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				01	ERIE	4034	S00	15 OF 30
CITY OF ERIE								

◆ - SEE SPECIAL PROVISIONS

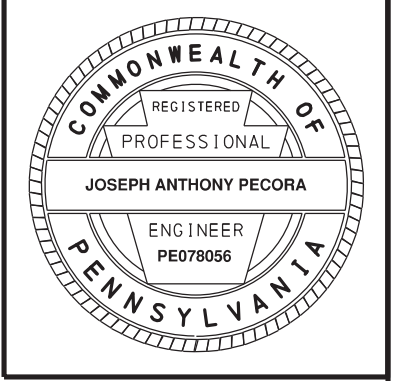
QUANTITY	ITEM NO	DESCRIPTION	DESIGN NO	FOR TAB SEE SHEET	QUANTITY	ITEM NO	DESCRIPTION	DESIGN NO	FOR TAB SEE SHEET	QUANTITY	ITEM NO	DESCRIPTION	DESIGN NO	FOR TAB SEE SHEET	QUANTITY	ITEM NO	DESCRIPTION	DESIGN NO	FOR TAB SEE SHEET
	UNIT					UNIT					UNIT					UNIT			
12	0962 1062 EACH	WHITE WATERBORNE PAVEMENT LEGEND, "LEFT ARROW", 12'-0" X 3'-0"		TCP	21	9000 5001 EACH	PREPARATION OF WORKING DRAWINGS FOR CONCRETE CURB RAMPS		16-21										
10929	0963 0001 SF	PAVEMENT MARKING REMOVAL		TCP	X	9000 5101 LS	ELECTRONIC TICKETING (E-TICKETING) FOR CONSTRUCTION AGGREGATE		NO TAB										
8707	0964 0001 LF	4" WHITE EPOXY PAVEMENT MARKINGS		PMP	X	9000 5102 LS	ELECTRONIC TICKETING (E-TICKETING) FOR CONSTRUCTION ASPHALT		NO TAB										
11675	0964 0002 LF	4" YELLOW EPOXY PAVEMENT MARKINGS		PMP	X	9000 5103 LS	ELECTRONIC TICKETING (E-TICKETING) FOR CONSTRUCTION CONCRETE		NO TAB										
4091	4964 0005 LF	6" WHITE EPOXY PAVEMENT MARKINGS, RECESSED		PMP															
2653	0964 0008 LF	8" WHITE EPOXY PAVEMENT MARKINGS		PMP															
3207	0964 0021 LF	24" WHITE EPOXY PAVEMENT MARKINGS		PMP															
18	0964 0224 EACH	WHITE EPOXY LEGEND, "LEFT ARROW", 12' - 0" X 3' - 0"		PMP															
3	0964 0226 EACH	WHITE EPOXY LEGEND, "THRU AND RIGHT ARROW", 20' - 0" X 3' - 7"		PMP															
218	0966 0017 EACH	SNOWPLOWABLE RAISED PAVEMENT MARKER TWO WAY HOLDER WITH REFLECTOR (Y/B)		PMP															
60	9000 0001 SF	TEMPORARY SIGN COVER		TCP															
53	9000 0003 SF	CLOTH OVERLAY SIGN, REFLECTORIZED		TCP															
5	9000 0007 EACH	RADIO TRAFFIC SYSTEMS PREEMPTION SYSTEM		TSP															
X	9000 0008 LS	REMOVAL OF EXISTING SIGNAL INTERCONNECT		NO TAB															
5000	9000 0100 DOLLA	WASTE MANAGEMENT PLAN		NO TAB															
12	9000 0101 EACH	SOLIDS SAMPLING AND TESTING		16-21															
205	9000 0102 CY	TRANSPORTATION AND DISPOSAL OF SOLID WASTE		16-21															
X	9000 0103 LS	CONSTRUCTION OF WASTE MANAGEMENT STOCKPILE AREA, DECONTAMINATION AREA AND LIQUID COLLECTION SYSTEM		NO TAB															
205	9000 0104 CY	SPECIAL EXCAVATION		16-21															
25000	9000 0107 DOLLA	LIQUID HANDLING, STORAGE, TRANSPORTATION AND DISPOSAL		NO TAB															
5000	9000 0108 DOLLA	LIQUIDS SAMPLING AND TESTING		NO TAB															
6	9000 0525 TON	CONCRETE PAVEMENT SPALL REPAIR		16-21															
5	9000 0700 EACH	VIDEO DETECTOR, GRIDSMART		TSP															
23	9000 0795 EACH	MAST ARM MITIGATION DEVICE INSTALLATION		TSP															



# TABULATION OF QUANTITIES

## ROADWAY

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				01	ERIE	4034	S00	16 OF 30



CLASS	ITEM NUMBER	UNIT	QUANTITY	REMARKS	SIDE	STATIONS
CLASS 1B EXCAVATION	0203 0004	CY				
SAW CUTTING	0203 0006	LF				
CEMENT TREATED PERMEABLE BASE COURSE, 4" DEPTH	0303 0001	SY				
SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, < 0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH	0313 0322	SY				
SUBBASE 4" DEPTH (NO. 2A)	0350 0104	SY				
SUBBASE 14" DEPTH (NO. 2A)	0350 0114	SY				
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 0.3 TO < 3 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H	0413 0383	SY				
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (SCRATCH), PG 64S-22, 0.3 TO < 3 MILLION ESALS, 9.5 MM MIX, SRL-L	0413 1024	TON				
ASPHALT TACK COAT (NTT/CNTT)	0460 0003	SY				
ULTRA-THIN BONDED WEARING COURSE, GRADATION TYPE B, PG 64E-22, SRL-H, EXISTING SURFACE MODIFICATIONS & WEATHER LIMITATIONS	4489 1001	SY				
MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR	0491 0013	SY				
PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH	0501 0020	SY				
PLAIN CEMENT CONCRETE PAVEMENT, 10" DEPTH	0501 0032	SY				
LONGITUDINAL JOINT CLEANING AND SEALING	0512 0001	LF				
SAWING AND SEALING OF ASPHALT OVERLAYS	0515 0001	LF				
PATCHING JOINT	0516 2007	LF	586			
NEW PAVEMENT JOINT, NON-SKEWED	0516 2009	LF	293			
SUBBASE MATERIAL FOR CONCRETE PAVEMENT PATCHING	0516 2021	CY	3547			
ACCELERATED CONCRETE PAVEMENT PATCHING, TYPE A, 10" DEPTH	0516 3034	SY	418			
TRANSVERSE JOINT CLEANING AND SEALING	0521 0001	LF				
CONCRETE PAVEMENT PARTIAL-DEPTH REPAIR, TYPE 1, RAPID-SET	0525 0032	SF		57		
CONCRETE PAVEMENT PARTIAL-DEPTH REPAIR, TYPE 2, RAPID-SET	0525 0035	SF		24		
PLAIN CEMENT CONCRETE CURB, 8" HEIGHT	0630 0041	LF				
PLAIN CEMENT CONCRETE CURB GUTTER	0641 0005	SY				
MILLED ASPHALT PAVEMENT CENTERLINE RUMBLE STRIPS TYPE 2, MEDIAN NOSE	4660 0002	LF				
MILLED CONCRETE PAVEMENT CENTERLINE RUMBLE STRIPS TYPE 2, MEDIAN NOSE	4660 0007	LF				
CEMENT CONCRETE SIDEWALK, FOR ADA RAMPS	4676 0001	SY				
				SR 4034 / SR 0290		
	970			ENTIRE PROJECT		374+40.00 to 423+44.98
				AS DIRECTED		374+40.00 to 423+44.98
					LT	374+70.00
					LT	374+83.00
	1445				LT / RT	375+57.42 to 383+10.83
				1/2" SCRATCH COURSE	LT / RT	375+60.00 to 398+75.00
	4	96			LT	375+61.00 to 375+75.00
	5	56			RT	375+62.00 to 375+82.00
	5				LT	375+67.00 to 375+87.00
					RT	375+69.00 to 375+75.00
	5	116			RT	382+75.00 to 382+93.00
	3				RT	382+86.00 to 382+97.00
					LT / RT	382+94.00 to 383+01.00
	5	73			LT	382+99.00 to 383+21.00
					LT / RT	383+00.02 to 383+10.83
					RT	383+25.00
	1	29			RT	383+52.00 to 383+62.00
	2	33			RT	383+72.00 to 383+82.00
					LT / RT	383+76.64 to 383+79.64
					LT / RT	383+76.64 to 391+38.12
					RT	383+84.00 to 383+93.00
		1464			LT / RT	383+90.12 to 391+21.32
	6	126			RT	391+00.00 to 391+20.00
	4				RT	391+13.00 to 931+30.00
					LT / RT	391+20.00 to 391+30.00
					LT / RT	391+28.05 to 391+38.12
					LT	391+50.00

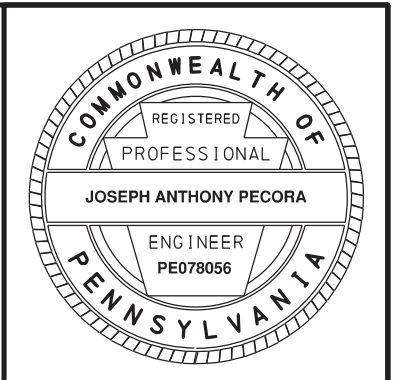




# TABULATION OF QUANTITIES

## ROADWAY

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				01	ERIE	4034	S00	18 OF 30

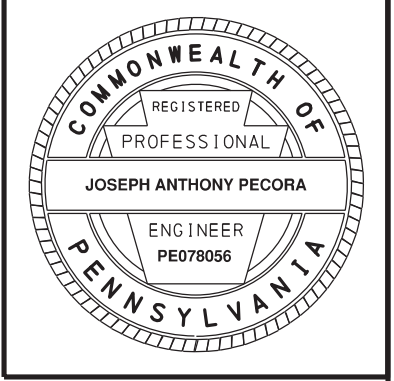


CLASS	ITEM NUMBER	UNIT	DESCRIPTION	REMARKS	SIDE	STATIONS																				
							0203 0004 CY	0203 0006 LF	0303 0001 SY	0313 0322 SY	0350 0104 SY	0350 0114 SY	0413 0383 SY	0413 1024 TON	0460 0003 SY	4489 1001 SY	0491 0013 SY	0501 0020 SY	0501 0032 SY	0512 0001 LF	0515 0001 LF	0516 2007 LF	0516 2009 LF	0516 2021 CY	0516 3034 SY	0521 0001 LF
3	40		CLASS 1B EXCAVATION		RT	392+00.00 to 392+15.00																				
			SAW CUTTING		LT / RT	392+06.12 to 392+15.34																				
			CEMENT TREATED PERMEABLE BASE COURSE, 4" DEPTH		LT / RT	392+06.12 to 399+48.84																				
			SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, < 0.3 MILLION ESALS, 25.0 MM MIX, 4" DEPTH		RT	392+13.00 to 392+24.00																				
			SUBBASE 4" DEPTH (NO. 2A)		LT / RT	392+21.81 to 399+32.11																				
			SUBBASE 14" DEPTH (NO. 2A)		LT / RT	398+75.00 to 423+37.00																				
			SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 0.3 TO < 3 MILLION ESALS, 9.5 MM MIX, 1 1/2" DEPTH, SRL-H		RT	399+01.00 to 399+25.00																				
			SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (SCRATCH), PG 64S-22, 0.3 TO < 3 MILLION ESALS, 9.5 MM MIX, SRL-L		RT	399+04.00 to 399+33.00																				
			ASPHALT TACK COAT (NTT/CNTT)		RT	399+20.00 to 399+33.00																				
			ULTRA-THIN BONDED WEARING COURSE, GRADATION TYPE B, PG 64E-22, SRL-H, EXISTING SURFACE MODIFICATIONS & WEATHER LIMITATIONS		LT / RT	399+30.00 to 399+42.00																				
			MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR		LT / RT	399+39.11 to 399+48.84																				
			PLAIN CEMENT CONCRETE PAVEMENT, 4" DEPTH		LT	399+43.00 to 399+69.00																				
			PLAIN CEMENT CONCRETE PAVEMENT, 10" DEPTH		LT	399+50.00																				
			LONGITUDINAL JOINT CLEANING AND SEALING		RT	400+01.00 to 400+20.00																				
			SAWING AND SEALING OF ASPHALT OVERLAYS		RT	400+11.00 to 400+28.00																				
			PATCHING JOINT		RT	400+18.00 to 400+45.00																				
			NEW PAVEMENT JOINT, NON-SKEWED		LT	400+40.00 to 400+82.00																				
			SUBBASE MATERIAL FOR CONCRETE PAVEMENT PATCHING		RT	400+42.00 to 400+64.00																				
			ACCELERATED CONCRETE PAVEMENT PATCHING, TYPE A, 10" DEPTH		LT / RT	400+48.20 to 400+57.88																				
			TRANSVERSE JOINT CLEANING AND SEALING		RT	400+55.00																				
			CONCRETE PAVEMENT PARTIAL-DEPTH REPAIR, TYPE 1, RAPID-SET		RT	400+56.00 to 400+66.00																				
			CONCRETE PAVEMENT PARTIAL-DEPTH REPAIR, TYPE 2, RAPID-SET		LT / RT	400+64.58 to 409+10.00																				
			PLAIN CEMENT CONCRETE CURB, 8" HEIGHT		RT	400+56.00 to 400+66.00																				
			PLAIN CEMENT CONCRETE CURB GUTTER		LT / RT	400+64.58 to 409+10.00																				
			MILLED ASPHALT PAVEMENT CENTERLINE RUMBLE STRIPS TYPE 2, MEDIAN NOSE		RT	400+56.00 to 400+66.00																				
			MILLED CONCRETE PAVEMENT CENTERLINE RUMBLE STRIPS TYPE 2, MEDIAN NOSE		RT	400+56.00 to 400+66.00																				
			CEMENT CONCRETE SIDEWALK, FOR ADA RAMPS		RT	400+56.00 to 400+66.00																				
					LT / RT	400+48.20 to 400+57.88																				
					LT / RT	400+48.20 to 409+10.00																				
					LT	400+55.00																				
					RT	400+56.00 to 400+66.00																				
					LT / RT	400+64.58 to 409+10.00																				
					LT / RT	418+90.00 to 420+41.00																				
					RT	419+94.00 to 420+20.00																				
11	83		CLASS 1B EXCAVATION		RT	422+32.00 to 422+64.00																				

# TABULATION OF QUANTITIES

## ROADWAY

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				01	ERIE	4034	S00	19 OF 30



4695 0004 SF	9000 0101 EACH	9000 0102 CY	9000 0104 CY	9000 0525 TON	9000 5001 EACH	DETECTABLE WARNING SURFACE, POLYMER COMPOSITE, CITY OF ERIE	SOLIDS SAMPLING AND TESTING	TRANSPORTATION AND DISPOSAL OF SOLID WASTE	SPECIAL EXCAVATION	CONCRETE PAVEMENT SPALL REPAIR	PREPARATION OF WORKING DRAWINGS FOR CONCRETE CURB RAMPS	REMARKS	SIDE	STATIONS
8					1							CURB RAMP	RT	392+00.00 to 392+15.00
													LT / RT	392+06.12 to 392+15.34
													LT / RT	392+06.12 to 399+48.84
													RT	392+13.00 to 392+24.00
													LT / RT	392+21.81 to 399+32.11
													LT / RT	398+75.00 to 423+37.00
8					1							CURB RAMP	RT	399+01.00 to 399+25.00
												SIDEWALK	RT	399+04.00 to 399+33.00
8					1							CURB RAMP	RT	399+20.00 to 399+33.00
												SIDEWALK	RT	399+24.00 to 399+33.00
													LT / RT	399+30.00 to 399+42.00
													LT / RT	399+39.11 to 399+48.84
8					1							CURB RAMP	LT	399+43.00 to 399+69.00
8													LT	399+50.00
												DRIVEWAY	RT	399+95.00 to 400+08.00
												SIDEWALK	RT	400+01.00 to 400+20.00
8					1							CURB RAMP	RT	400+11.00 to 400+28.00
												SIDEWALK	RT	400+18.00 to 400+45.00
8					1							CURB RAMP	LT	400+40.00 to 400+82.00
8					1							CURB RAMP	RT	400+42.00 to 400+64.00
													LT / RT	400+48.20 to 400+57.88
													LT / RT	400+48.20 to 409+10.00
8													LT	400+55.00
													RT	400+56.00 to 400+66.00
													LT / RT	400+64.58 to 409+10.00
	12	205	205									RAILROAD CROSSING REMOVAL	LT / RT	418+90.00 to 420+41.00
												TRAIL PAVING	RT	419+94.00 to 420+20.00
8					1							CURB RAMP	RT	422+32.00 to 422+64.00





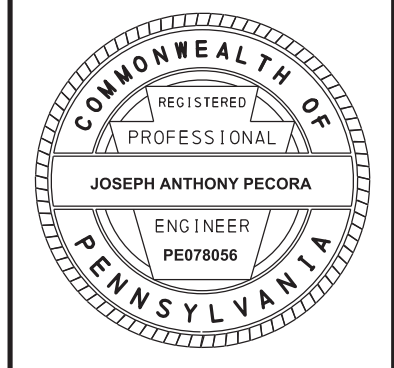
# TABULATION OF QUANTITIES DRAINAGE

REVISION NO	REVISIONS	DATE	BY	DISTRICT	COUNTY	ROUTE	SECTION	SHEET
				01	ERIE	4034	S00	22 OF 30

(+) SEE SUMMARY SHEET FOR COMPLETE ITEM NUMBERS

DESIGN NO. 1	MANHOLE FRAME AND COVER	TYPE M CONCRETE TOP UNIT AND BICYCLE SAFE GRATE	STANDARD INLET BOX, HEIGHT < />= 10'	TYPE 4 MANHOLE, STORM WATER, HEIGHT >5' AND < />= 10'	TYPE C CONCRETE TOP UNIT, 8" CURB HEIGHT AND GRATE	GRADE ADJUSTMENT OF EXISTING INLETS	GRADE ADJUSTMENT OF EXISTING MANHOLES	INLET FILTER BAG FOR TYPE M INLET	INLET FILTER BAG FOR TYPE C INLET	REMARKS	SIDE	STATIONS
0601 (+) LF	0605 2401 SET	0605 2731 SET	0605 2850 EACH	0605 3011 EACH	0605 5720 SET	0606 0050 SET	0606 0150 SET	0860 0000 EACH	0860 0002 EACH	ITEM NUMBER UNIT		
										SR 4034 / SR 0290		
							1			SSMH, OFFSET 36.0'	RT	375+34.00
		1						1		I-11, OFFSET 57.2'	LT	375+67.00
								1			RT	375+83.00
								1			LT	377+49.00
								1			RT	377+49.00
			1		1			1		I-1, OFFSET 7.5'	RT	377+49.00
								1			LT	379+48.00
								1			RT	379+50.00
								1			RT	380+69.00
								1			RT	381+49.00
								1			LT	381+50.00
								1			RT	382+34.00
								1			RT	382+77.00
								1			LT	382+93.00
								1			LT	383+37.00
								1			RT	383+51.00
					1			1		I-7, OFFSET 62.6'	RT	383+55.00
								1			RT	384+54.00
								1			LT	384+56.00
								1			RT	385+98.00
			1		1			1		I-2, OFFSET 2.8'	RT	385+99.00
								1			LT	386+00.00
								1			RT	387+49.00
								1			LT	387+50.00
								1			RT	388+99.00
								1			LT	389+00.00
								1			LT	390+59.00

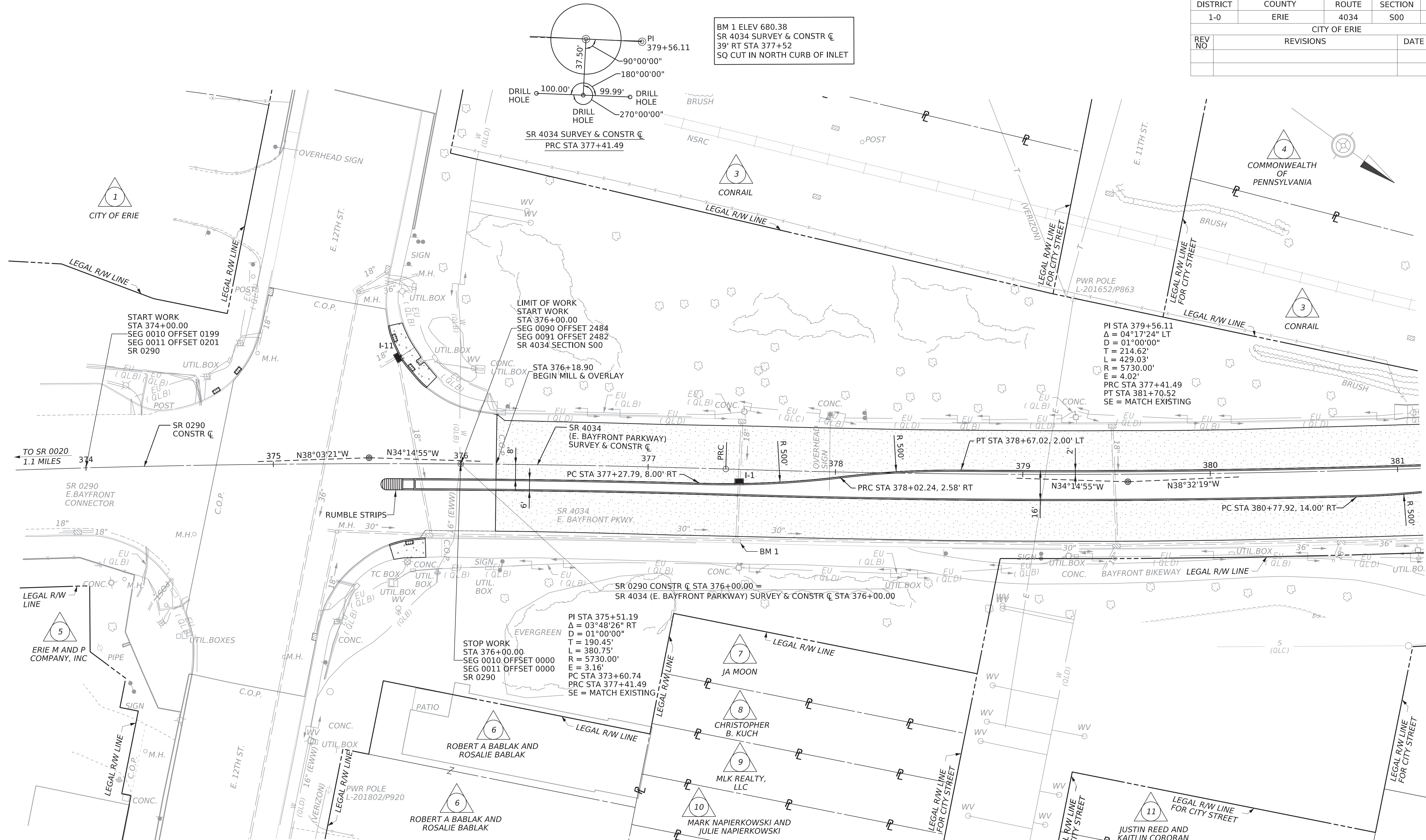
DESIGN NO. 1	MANHOLE FRAME AND COVER	TYPE M CONCRETE TOP UNIT AND BICYCLE SAFE GRATE	STANDARD INLET BOX, HEIGHT < />= 10'	TYPE 4 MANHOLE, STORM WATER, HEIGHT >5' AND < />= 10'	TYPE C CONCRETE TOP UNIT, 8" CURB HEIGHT AND GRATE	GRADE ADJUSTMENT OF EXISTING INLETS	GRADE ADJUSTMENT OF EXISTING MANHOLES	INLET FILTER BAG FOR TYPE M INLET	INLET FILTER BAG FOR TYPE C INLET	REMARKS	SIDE	STATIONS
0601 (+) LF	0605 2401 SET	0605 2731 SET	0605 2850 EACH	0605 3011 EACH	0605 5720 SET	0606 0050 SET	0606 0150 SET	0860 0000 EACH	0860 0002 EACH	ITEM NUMBER UNIT		
									1		RT	390+59.00
					1					I-10, OFFSET 65.0'	RT	391+21.00
									1		LT	391+49.00
									1		RT	392+75.00
								1			LT	392+78.00
									1		RT	393+72.00
76										I-3, OFFSET 2.6'	RT	393+72.00
										I-3 TO MH-1	RT	393+72.00 to 394+50.00
									1		RT	394+48.00
								1			LT	394+50.00
	1									MH-1, OFFSET 2.7'	RT	394+50.00
									1		RT	394+98.00
									1		RT	395+99.00
								1			LT	396+01.00
									1		RT	397+48.00
								1			LT	397+49.00
									1		LT	398+79.00
									1		RT	398+80.00
									1		RT	399+30.00
								1			RT	399+56.00
								1			RT	399+72.00
									1		RT	400+10.00
									1		RT	400+24.00
									1		LT	401+13.00
									1		RT	401+13.00
								1			LT	402+97.00
									1		RT	402+97.00
									1		RT	402+97.00
									1		RT	404+38.00





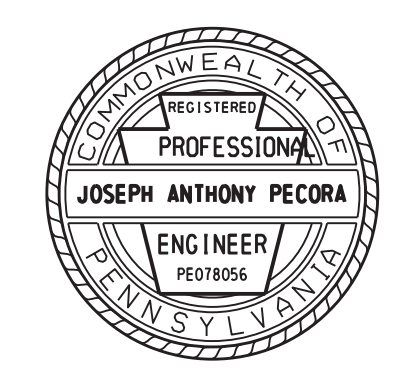
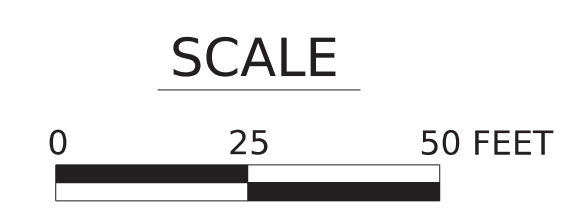
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
1-0	ERIE	4034	500	24 OF 30
CITY OF ERIE				
REV NO	REVISIONS	DATE	BY	APPD

BM 1 ELEV 680.38  
 SR 4034 SURVEY & CONSTR C  
 39' RT STA 377+52  
 SQ CUT IN NORTH CURB OF INLET



**LEGEND**

MILL AND INLAY	
OVERLAY	
CEMENT CONCRETE	
DETECTABLE WARNING SURFACE	
PROPOSED DRAINAGE INLET	



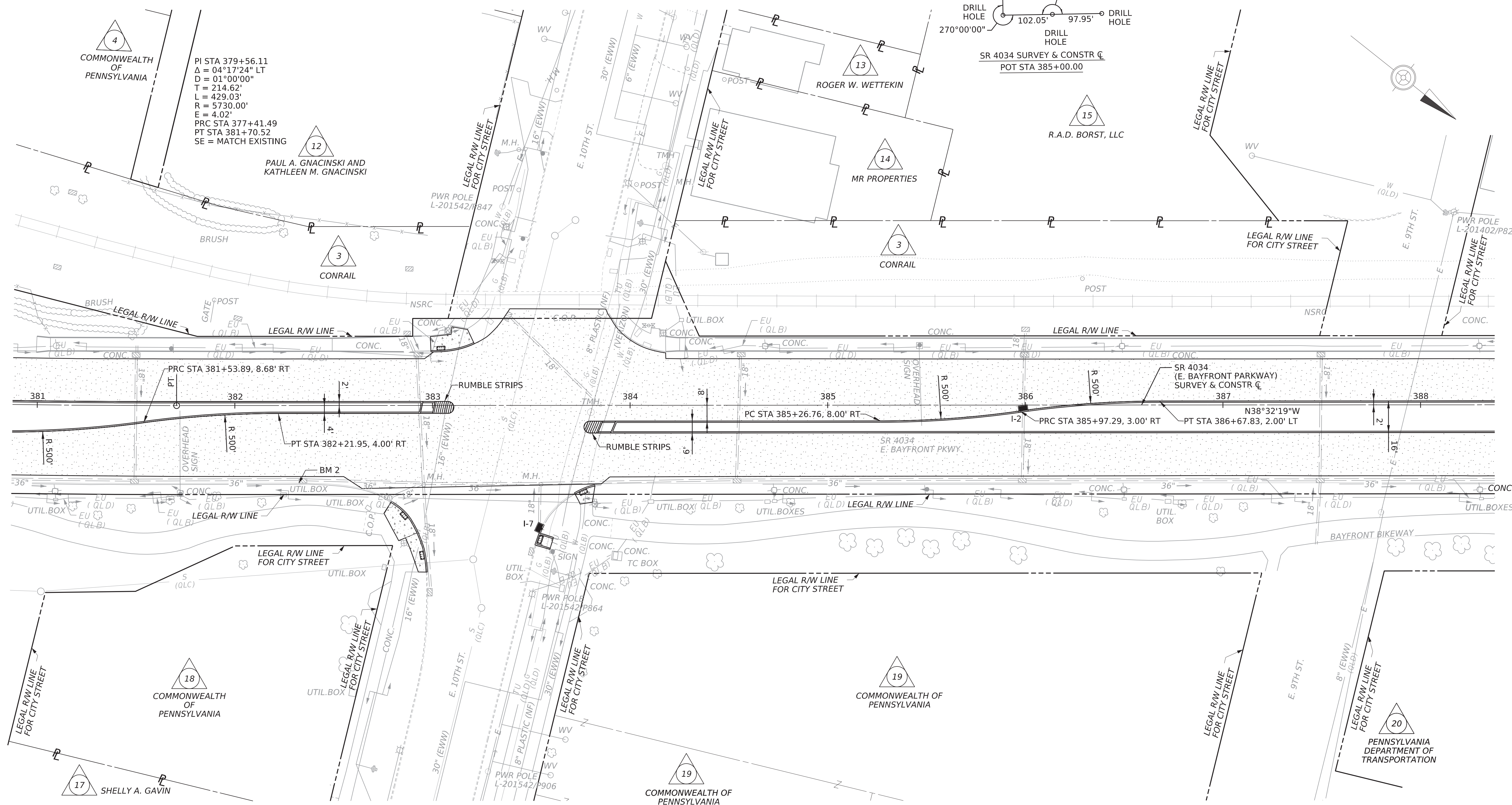
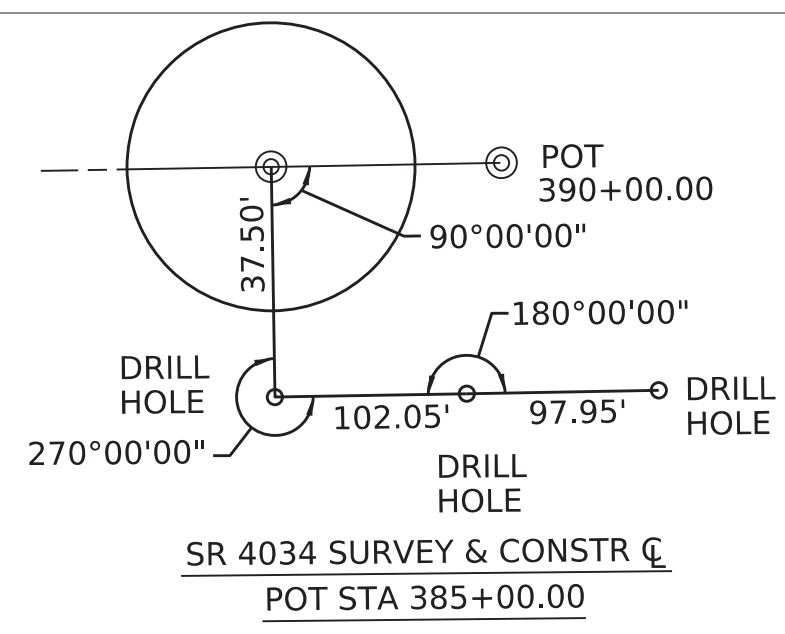
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SEE SHEET 25 OF 30



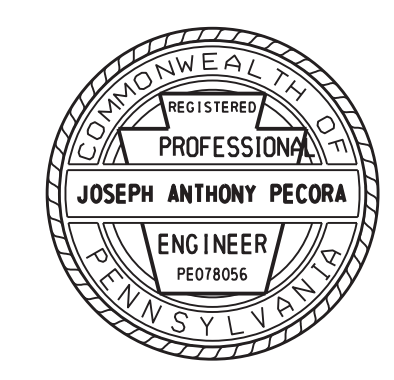
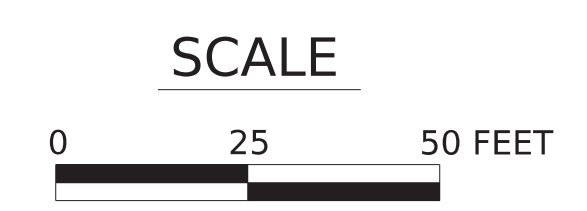
BM 2 ELEV 663.65  
SR 4034 SURVEY & CONSTR C  
39' RT STA 382+32  
SQ CUT IN SOUTH CURB OF INLET

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
1-0	ERIE	4034	500	25 OF 30	
CITY OF ERIE					
REV NO	REVISIONS		DATE	BY	APPD



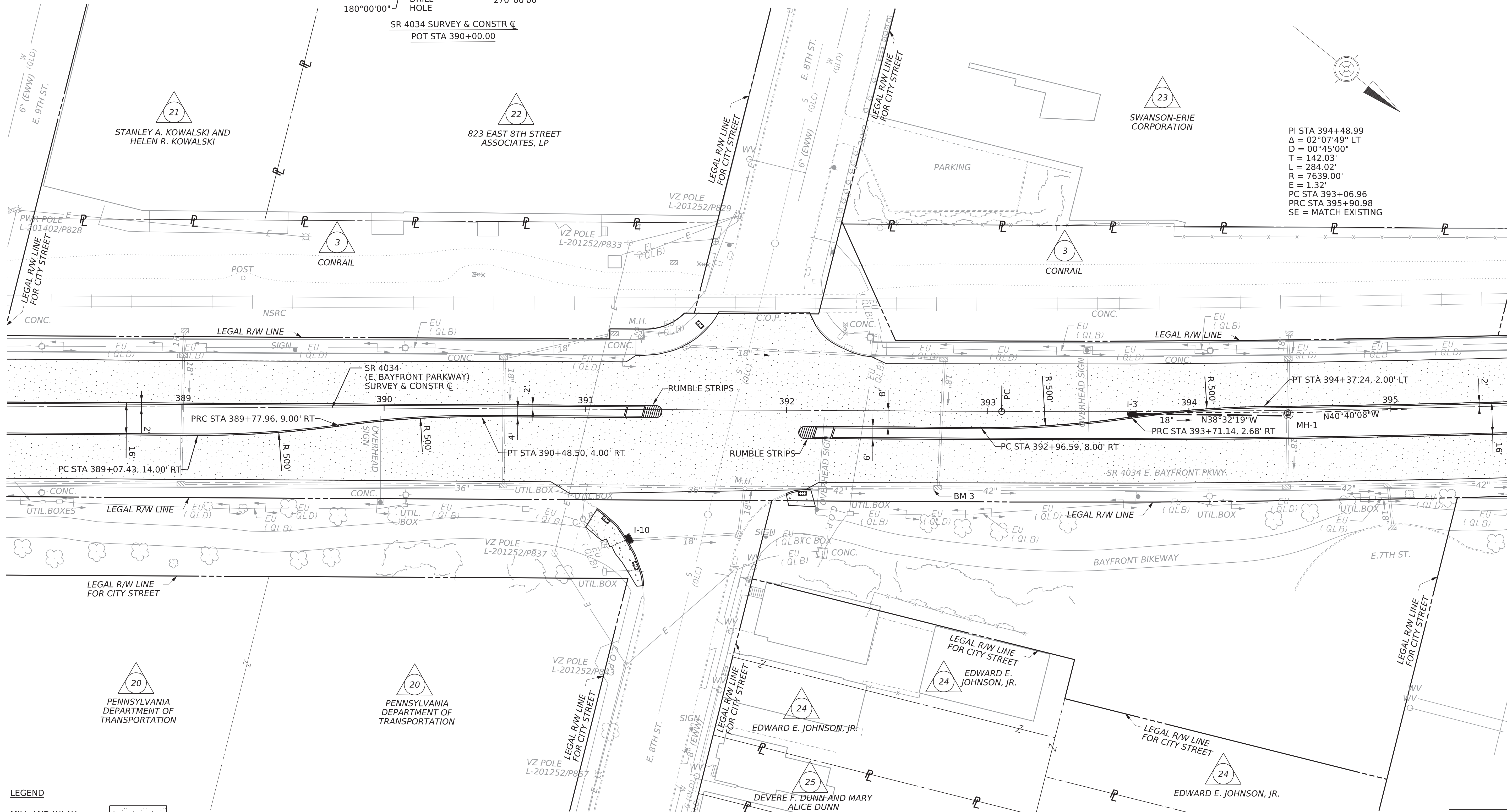
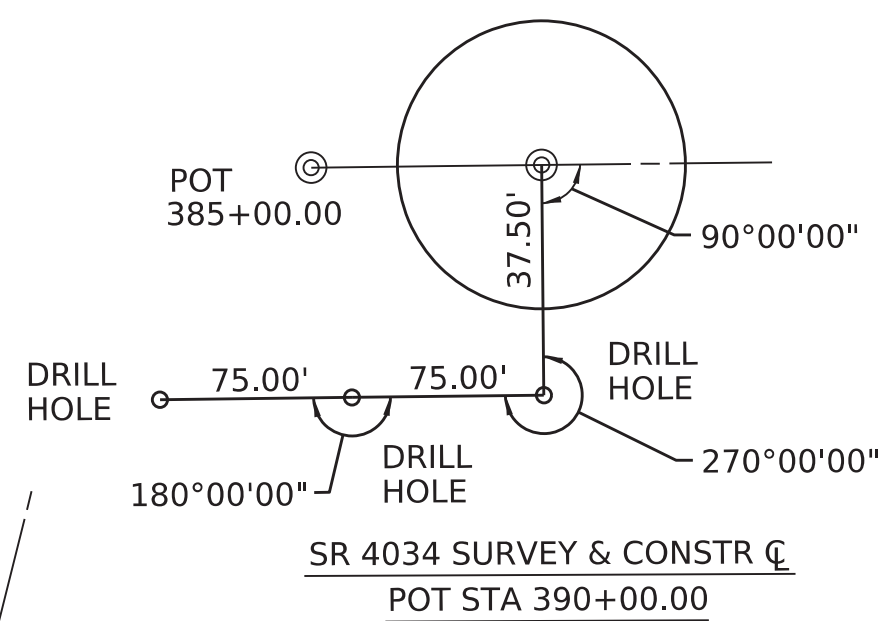
**LEGEND**

MILL AND INLAY	
OVERLAY	
CEMENT CONCRETE	
DETECTABLE WARNING SURFACE	
PROPOSED DRAINAGE INLET	



DISTRICT	COUNTY	ROUTE	SECTION	SHEET		
1-0	ERIE	4034	500	26 OF 30		
CITY OF ERIE						
REV NO	REVISIONS			DATE	BY	APPD

BM 3 ELEV 649.45  
 SR 4034 SURVEY & CONSTR C  
 39' RT STA 392+73  
 SQ CUT IN CURB OF INLET



PI STA 394+48.99  
 $\Delta = 02^\circ 07' 49''$  LT  
 $D = 00^\circ 45' 00''$   
 $T = 142.03'$   
 $L = 284.02'$   
 $R = 7639.00'$   
 $E = 1.32'$   
 PC STA 393+06.96  
 PRC STA 395+90.98  
 SE = MATCH EXISTING

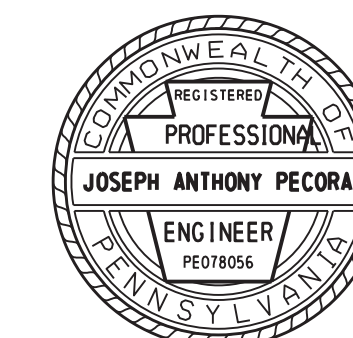
SEE SHEET 25 OF 30

SEE SHEET 27 OF 30

LEGEND

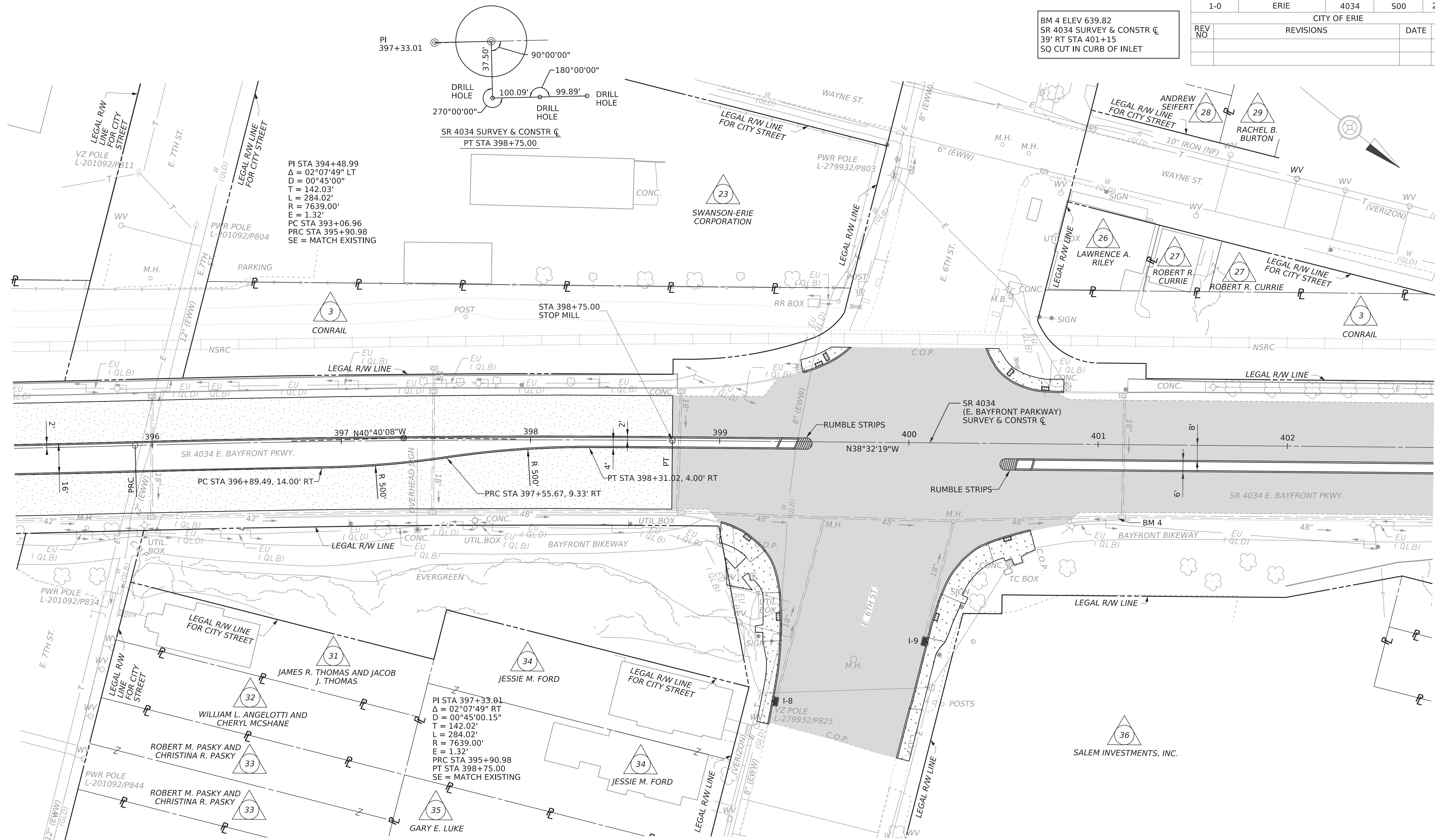
- MILL AND INLAY
- OVERLAY
- CEMENT CONCRETE
- DETECTABLE WARNING SURFACE
- PROPOSED DRAINAGE INLET

SCALE



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
1-0	ERIE	4034	500	27 OF 30
CITY OF ERIE				
REV NO	REVISIONS	DATE	BY	APPD

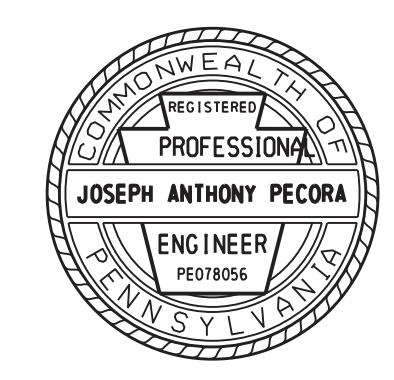
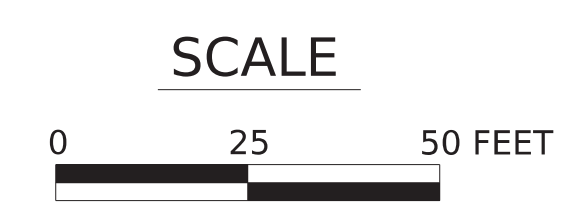
BM 4 ELEV 639.82  
 SR 4034 SURVEY & CONSTR C  
 39' RT STA 401+15  
 SQ CUT IN CURB OF INLET



SEE SHEET 26 OF 30

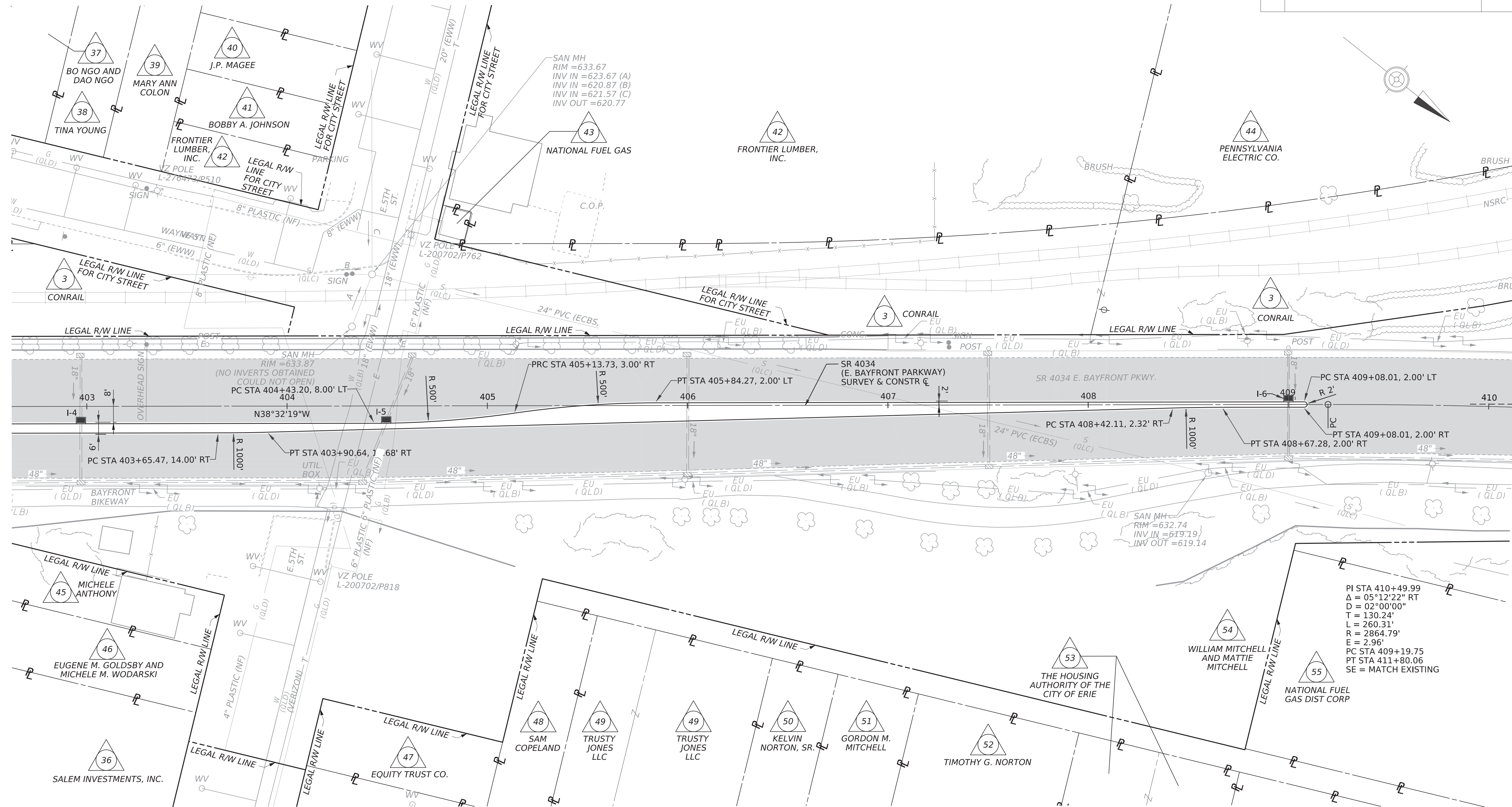
SEE SHEET 28 OF 30

- LEGEND**
- MILL AND INLAY
  - OVERLAY
  - CEMENT CONCRETE
  - DETECTABLE WARNING SURFACE
  - PROPOSED DRAINAGE INLET



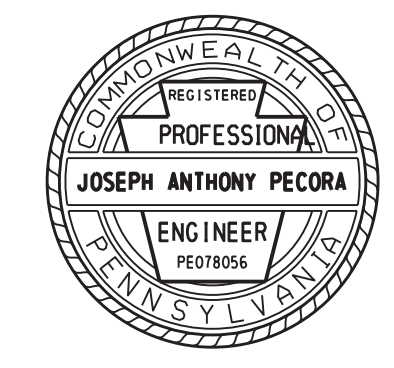
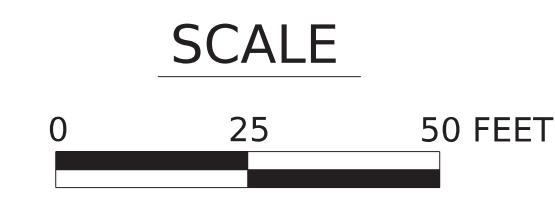
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET		
1-0	ERIE	4034	500	28 OF 30		
CITY OF ERIE						
REV NO	REVISIONS			DATE	BY	APPD

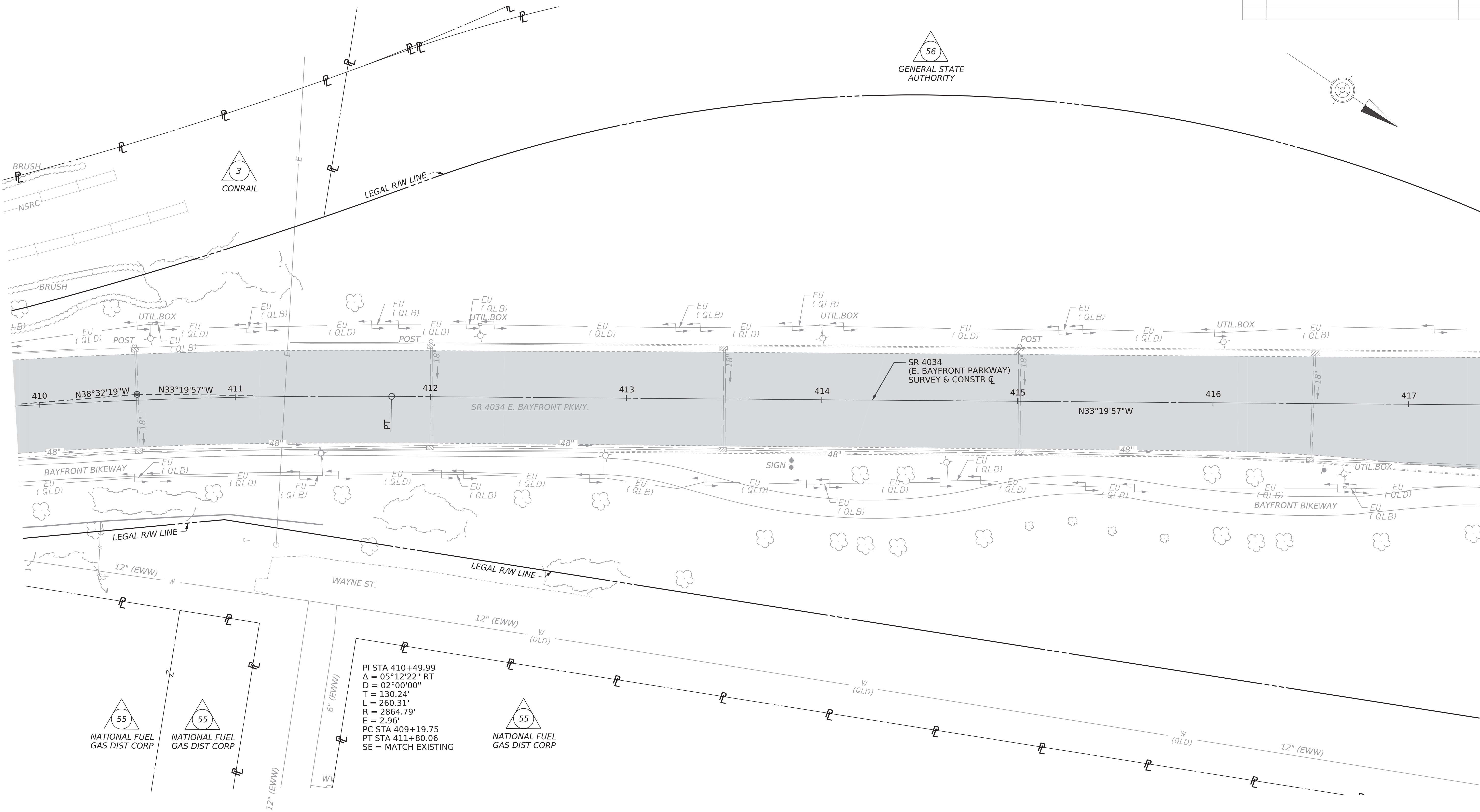
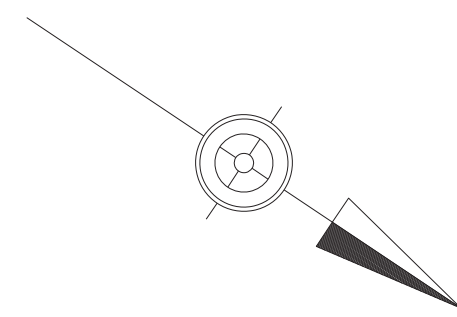


**LEGEND**

OVERLAY	
CEMENT CONCRETE	
DETECTABLE WARNING SURFACE	
PROPOSED DRAINAGE INLET	



DISTRICT	COUNTY	ROUTE	SECTION	SHEET		
1-0	ERIE	4034	500	29 OF 30		
CITY OF ERIE						
REV NO	REVISIONS			DATE	BY	APPD

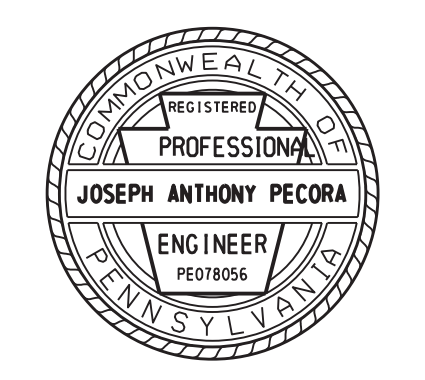
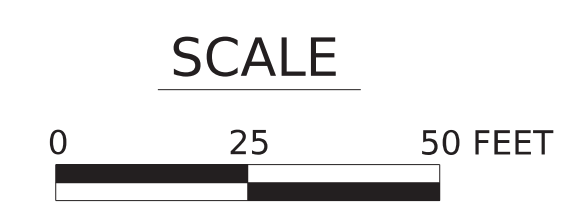


SEE SHEET 28 OF 30

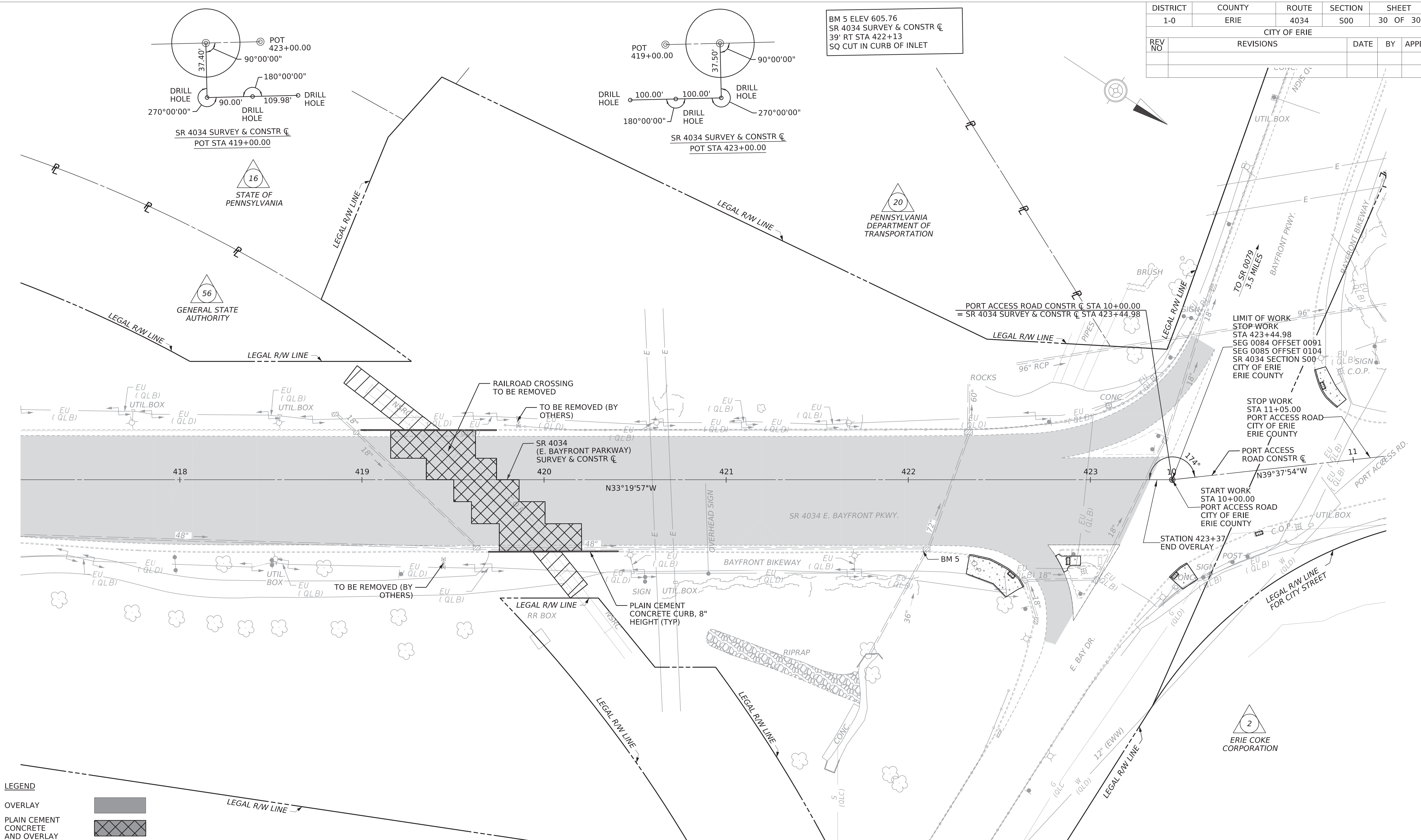
SEE SHEET 30 OF 30

LEGEND

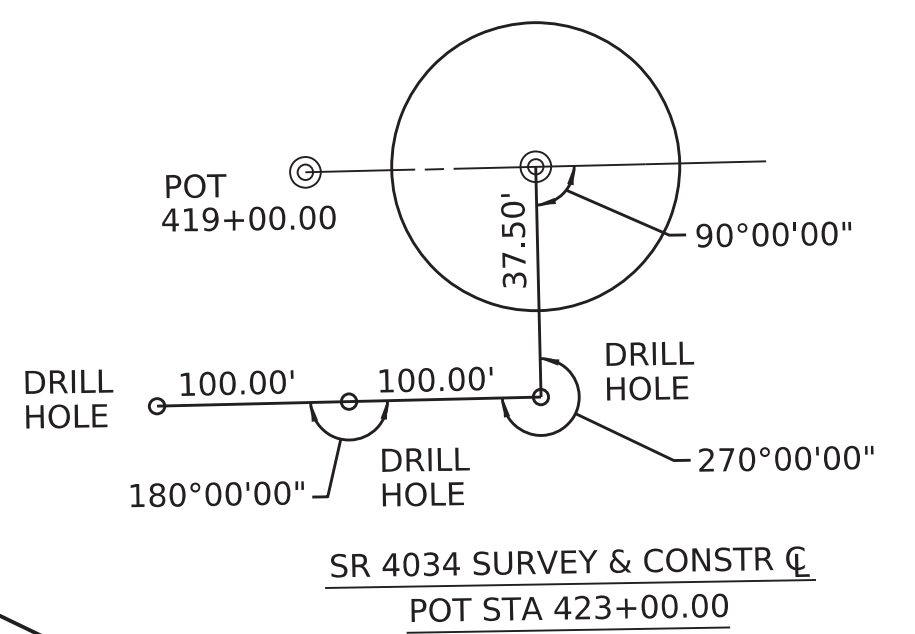
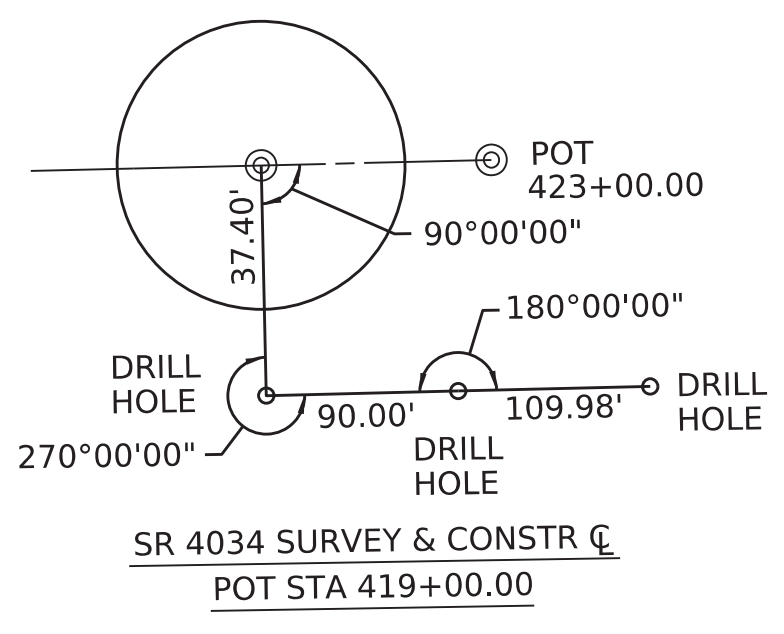
- OVERLAY
- CEMENT CONCRETE
- DETECTABLE WARNING SURFACE
- PROPOSED DRAINAGE INLET



DISTRICT	COUNTY	ROUTE	SECTION	SHEET		
1-0	ERIE	4034	500	30 OF 30		
CITY OF ERIE						
REV NO	REVISIONS			DATE	BY	APPD



BM 5 ELEV 605.76  
 SR 4034 SURVEY & CONSTR C  
 39' RT STA 422+13  
 SQ CUT IN CURB OF INLET



- LEGEND**
- OVERLAY
  - PLAIN CEMENT CONCRETE AND OVERLAY
  - RAILROAD REMOVAL
  - CEMENT CONCRETE
  - DETECTABLE WARNING SURFACE
  - PROPOSED DRAINAGE INLET

