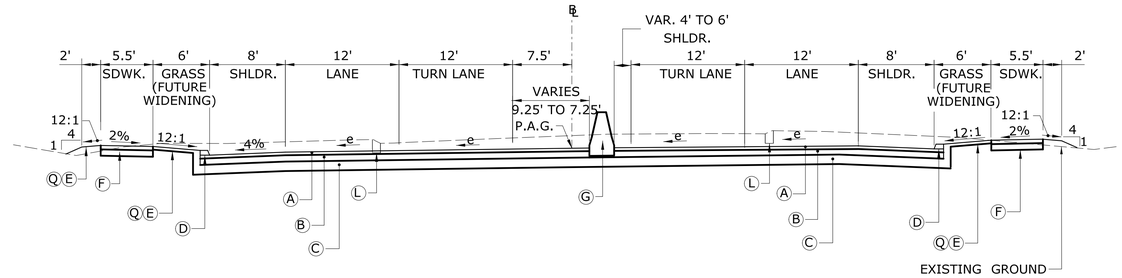
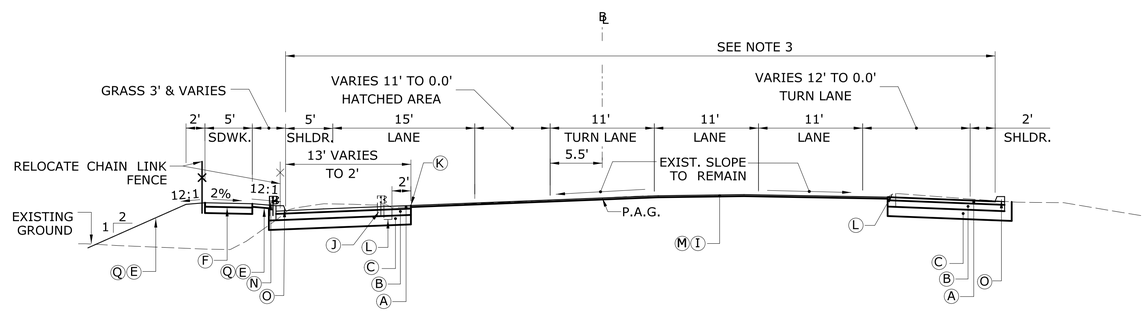
Shaun Suehr
2018.09.25
11:19:12-04'00'



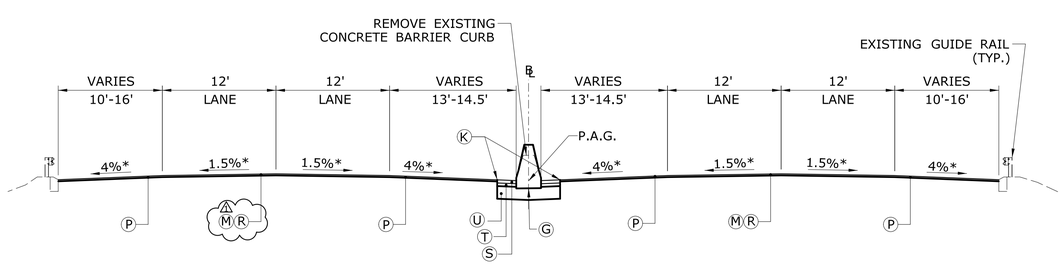
U.S. ROUTE 1 FULL DEPTH RECONSTRUCTION
STA. 12+75 TO STA. 15+15

N.T.S.



U.S. ROUTE 1 MILL AND OVERLAY
STA. 10+15 TO STA. 12+75

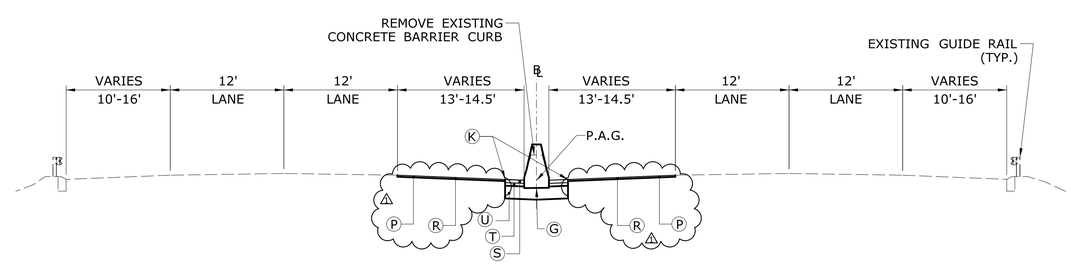
N.T.S.



*MILL AND OVERLAY SECTION SHALL TRANSITION TO MEET EXISTING GRADES.

I-95 MILL & OVERLAY/MEDIAN REPLACEMENT
STA. 224+97 TO STA. 226+21; STA. 227+94 TO STA. 229+19

N.T.S.



I-95 MEDIAN REPLACEMENT
STA. 198+42 TO STA. ~~226+21~~ 224+97; STA. ~~227+94~~ 229+19 TO STA. 253+50

N.T.S.

LEGEND:

- (A) 4" HMA S0.5 TRAFFIC LEVEL 2 (PLACED IN TWO EQUAL LIFTS)
- (B) 6" HMA S1.0 TRAFFIC LEVEL 2 (PLACED IN TWO EQUAL LIFTS)
- (C) 12" SUBBASE
- (D) BITUMINOUS CONCRETE LIP CURB, (SEE NOTE 1)
- (E) TURF ESTABLISHMENT
- (F) 5" CONCRETE SIDEWALK (SEE NOTE 2)
- (G) F-SHAPE PRECAST CONCRETE BARRIER CURB (30"X45") (SEE NOTE 1)
- (H) 6" CRUSHED STONE
- (I) 2" HMA S0.5 (TRAFFIC LEVEL 2)
- (J) REMOVE MBR (SEE NOTE 1)
- (K) CUT BITUMINOUS CONCRETE PAVEMENT
- (L) EXISTING CURB TO BE REMOVED
- (M) 2" FINE MILLING OF BITUMINOUS CONCRETE PAVEMENT
- (N) METAL BEAM RAIL (R-B MASH)
- (O) BITUMINOUS CONCRETE PARK CURB
- (P) RUMBLE STRIP - AUTOMATED
- (Q) PLACE AND FURNISH 4" TOPSOIL
- (R) 2" PMA S0.5 TRAFFIC LEVEL 3
- (S) 4" PMA S0.5 TRAFFIC LEVEL 3 (PLACED IN TWO EQUAL LIFTS)
- (T) 4" PMA S1.0 TRAFFIC LEVEL 3 (PLACED IN TWO EQUAL LIFTS)
- (U) 12" PROCESSED AGGREGATE

NOTES:

1. FOR LOCATION SEE HIGHWAY PLAN.
2. CONCRETE SIDEWALK SHALL CONSIST OF 5" CONCRETE PAVEMENT ON 8" GRANULAR FILL (PLACED AND COMPACTED IN TWO EQUAL COURSES), SEE HIGHWAY STANDARD SHEET HW-921_01 FOR ADDITIONAL INFORMATION.
3. PAVE 2" OVERLAY CURB-TO-CURB IN CONJUNCTION WITH THE FINAL LIFT OF THE ADJACENT FULL DEPTH WIDENED SECTION.
4. TEMPORARY SHOULDER ASPHALT OVERLAY USED FOR THE I-95 CROSSOVER (SEE TRAFFIC SUBSET) SHALL BE REMOVED (MILLED) AT COMPLETION OF STAGE 4, AND PAID FOR UNDER ITEM NO. 0406275A. AFTER REMOVAL OF TEMPORARY SHOULDER ASPHALT THE SHOULDERS SHALL BE MILLED AN ADDITIONAL 2" AND OVERLAID WITH 2" PMA S0.5 TRAFFIC LEVEL 3. △1

ADDENDUM NO. 1

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
△1	09/10/2018	I-95 SECTION REVISIONS	

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 9/24/2018

DESIGNER/DRAFTER: O. BELGUET
CHECKED BY: S. SUEHR
SCALE AS NOTED

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_0014_0185_TYP-02.dgn

SIGNATURE/BLOCK:

AMMANN & WHITNEY
2500 WESTCHESTER AVENUE
SUITE 305
PURCHASE, NEW YORK

PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 00196 - INTERSTATE 95 OVER U.S. ROUTE 1

TOWN: **BRANFORD**

DRAWING TITLE: **I-95 AND U.S. ROUTE 1 TYPICAL SECTIONS 1**

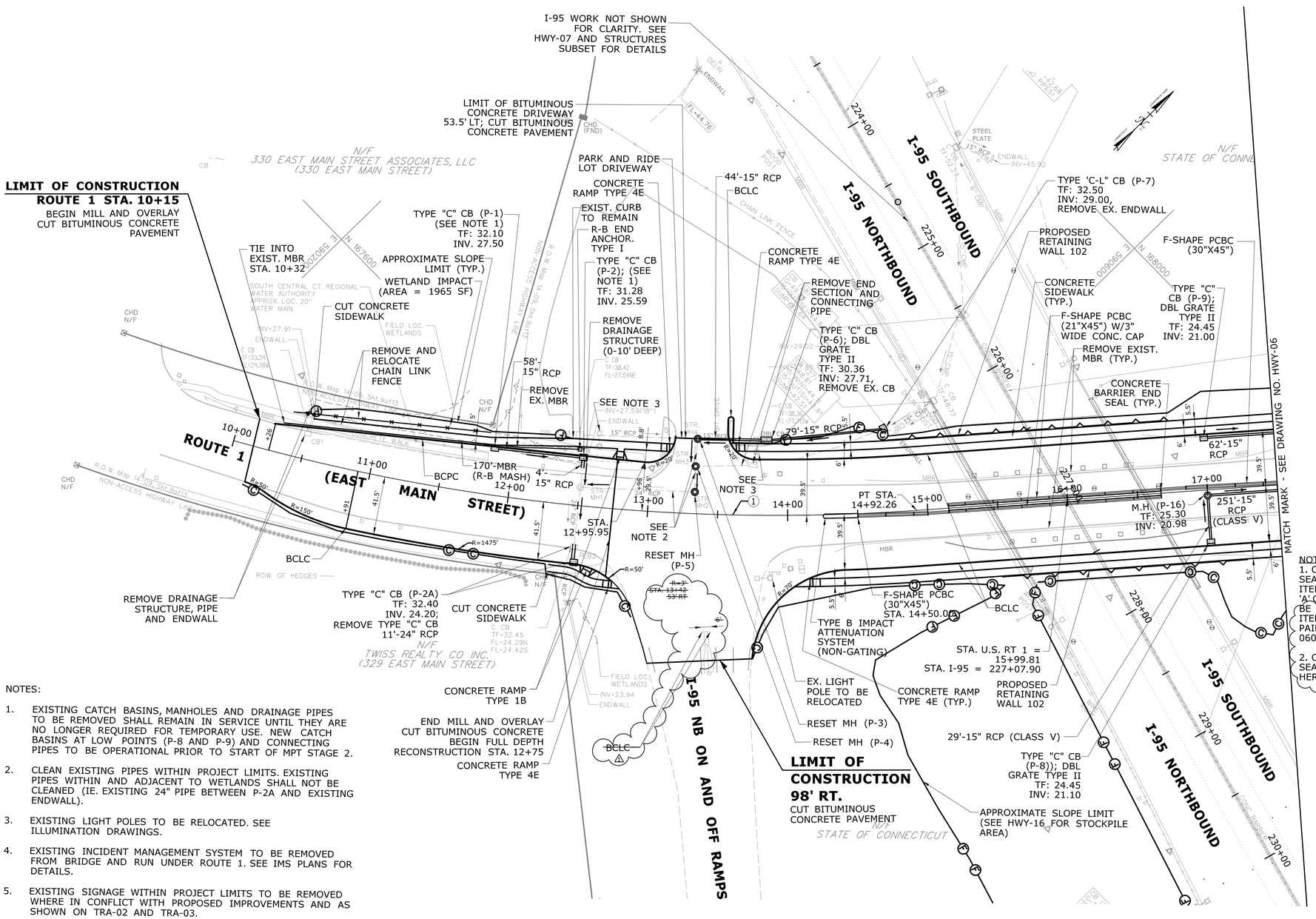
PROJECT NO. **14-185**
DRAWING NO. **HWY-02**
SHEET NO. **03.02.A1**

F-SHAPE PCBC (30"X45")			
BEGIN STATION	END STATION	OFFSET	LENGTH (FT)
14+50	15+15	-	65
16+67	17+50	-	83

F-SHAPE PCBC (21"X45")			
BEGIN STATION	END STATION	OFFSET	LENGTH (FT)
15+15	16+67	LEFT	~~65~~ 152
15+15	16+67	RIGHT	~~80~~ 152

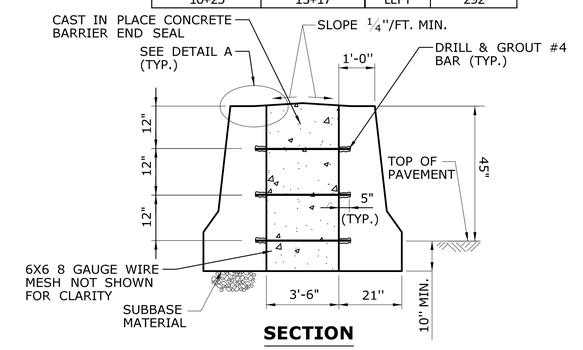
BITUMINOUS CONCRETE LIP CURB			
BEGIN STATION	END STATION	OFFSET	LENGTH (FT)
10+15	13+03	RIGHT	330
13+56	17+50	LEFT	502
13+76	17+50	RIGHT	423

BITUMINOUS CONCRETE PARK CURB			
BEGIN STATION	END STATION	OFFSET	LENGTH (FT)
10+25	13+17	LEFT	292

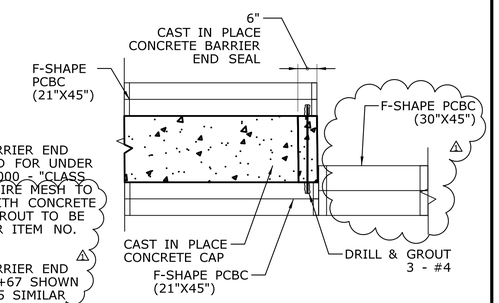


NOTES:

1. EXISTING CATCH BASINS, MANHOLES AND DRAINAGE PIPES TO BE REMOVED SHALL REMAIN IN SERVICE UNTIL THEY ARE NO LONGER REQUIRED FOR TEMPORARY USE. NEW CATCH BASINS AT LOW POINTS (P-8 AND P-9) AND CONNECTING PIPES TO BE OPERATIONAL PRIOR TO START OF MPT STAGE 2.
2. CLEAN EXISTING PIPES WITHIN PROJECT LIMITS. EXISTING PIPES WITHIN AND ADJACENT TO WETLANDS SHALL NOT BE CLEANED (IE. EXISTING 24" PIPE BETWEEN P-2A AND EXISTING ENDWALL).
3. EXISTING LIGHT POLES TO BE RELOCATED. SEE ILLUMINATION DRAWINGS.
4. EXISTING INCIDENT MANAGEMENT SYSTEM TO BE REMOVED FROM BRIDGE AND RUN UNDER ROUTE 1. SEE IMS PLANS FOR DETAILS.
5. EXISTING SIGNAGE WITHIN PROJECT LIMITS TO BE REMOVED WHERE IN CONFLICT WITH PROPOSED IMPROVEMENTS AND AS SHOWN ON TRA-02 AND TRA-03.
6. DRAINAGE PIPES TO BE PAID FOR BY ITEM: "*(DIAMETER)* R.C. PIPE - 0-10' DEEP"

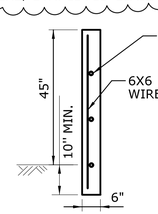


SECTION

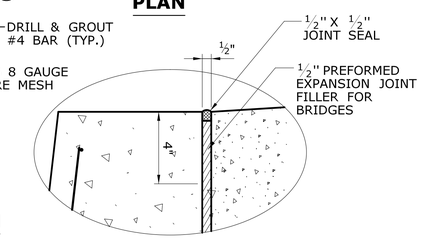


NOTES:
1. CONCRETE BARRIER END SEAL TO BE PAID FOR UNDER ITEM NO. 0601000 - "CLASS 'A' CONCRETE"; WIRE MESH TO BE INCLUDED WITH CONCRETE ITEM; DRILL & GROUT TO BE PAID FOR UNDER ITEM NO. 0602936A.
2. CONCRETE BARRIER END SEAL AT STA. 16+67 SHOWN HERE; STA. 15+15 SIMILAR

PLAN



ELEVATION



DETAIL A

CONCRETE BARRIER END SEAL DETAIL

N.T.S.

ADDENDUM NO. 1

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/10/2018	REMOVAL OF BCLC AT I-95 NB RAMP; REVISED PCBC QUANTITIES	

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 9/25/2018

DESIGNER/DRAFTER: J. TYROS
CHECKED BY: S. SUEHR
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_0014_0185_RDP_PLN-01.DGN

SIGNATURE/BLOCK: STATE OF CONNECTICUT SEAL OF THE STATE No. 20484 LICENSED PROFESSIONAL ENGINEER

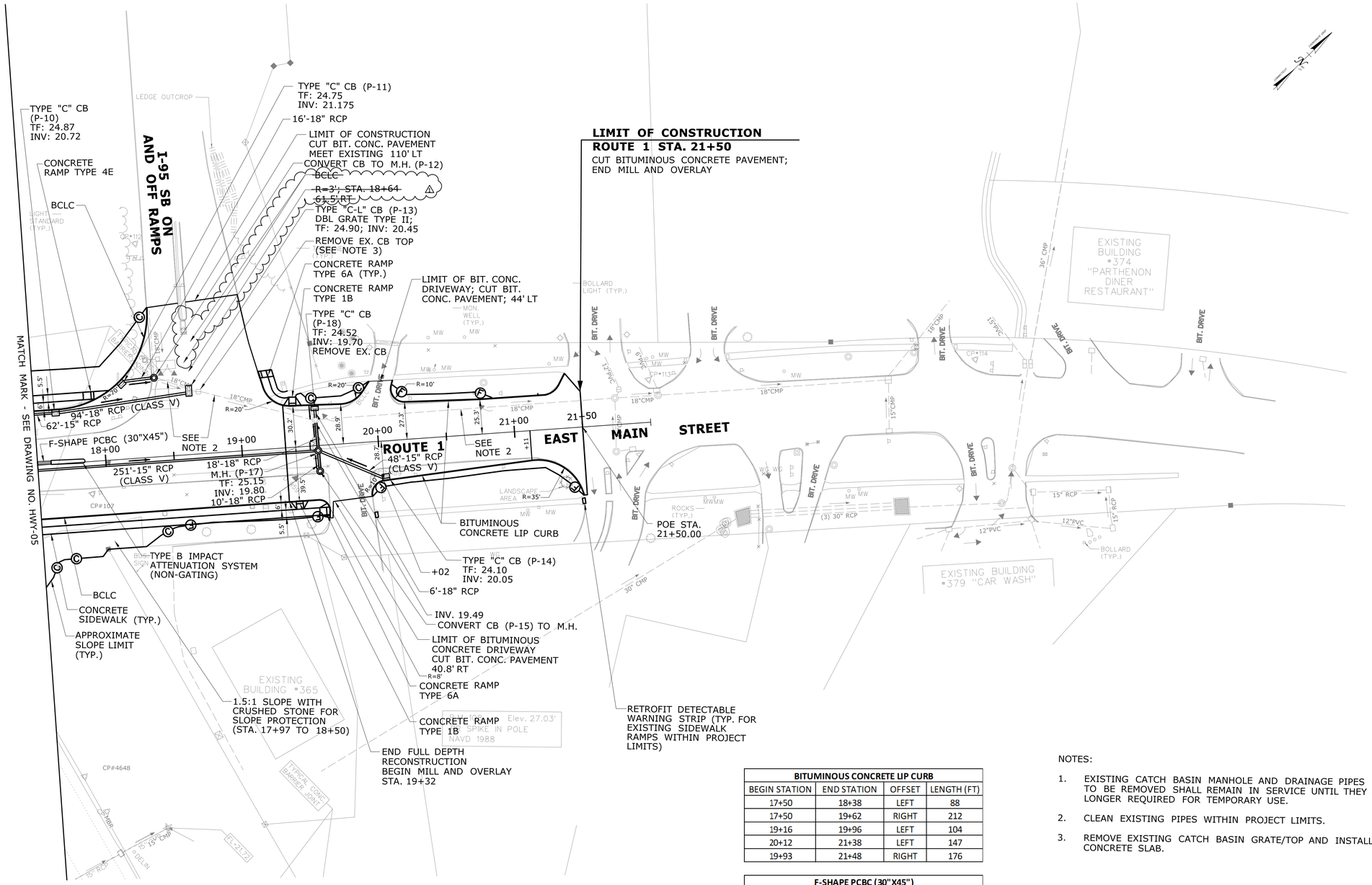
AMMANN & WHITNEY
2500 WESTCHESTER AVENUE
SUITE 305
PURCHASE, NEW YORK

PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 00196 - INTERSTATE 95 OVER U.S. ROUTE 1

TOWN: **BRANFORD**

DRAWING TITLE: **HIGHWAY PLAN - 1**

PROJECT NO. **14-185**
DRAWING NO. **HWY-05**
SHEET NO. **03.05.A1**



BITUMINOUS CONCRETE LIP CURB			
BEGIN STATION	END STATION	OFFSET	LENGTH (FT)
17+50	18+38	LEFT	88
17+50	19+62	RIGHT	212
19+16	19+96	LEFT	104
20+12	21+38	LEFT	147
19+93	21+48	RIGHT	176

F-SHAPE PCBC (30"X45")			
BEGIN STATION	END STATION	OFFSET	LENGTH (FT)
17+50	17+65	-	15

NOTES:

1. EXISTING CATCH BASIN MANHOLE AND DRAINAGE PIPES TO BE REMOVED SHALL REMAIN IN SERVICE UNTIL THEY ARE NO LONGER REQUIRED FOR TEMPORARY USE.
2. CLEAN EXISTING PIPES WITHIN PROJECT LIMITS.
3. REMOVE EXISTING CATCH BASIN GRATE/TOP AND INSTALL CONCRETE SLAB.

ADDENDUM NO. 1

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/10/2018	REMOVAL OF BCLC AT I-95 SB RAMP	

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Plotted Date: 9/24/2018

DESIGNER/DRAFTER: O. BELGUET
CHECKED BY: S. SUEHR
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_0014_0185_RDP_PLN-02.DGN

SIGNATURE/BLOCK: STATE OF CONNECTICUT SHAUN SUEHR No. 32484 LICENSED PROFESSIONAL ENGINEER

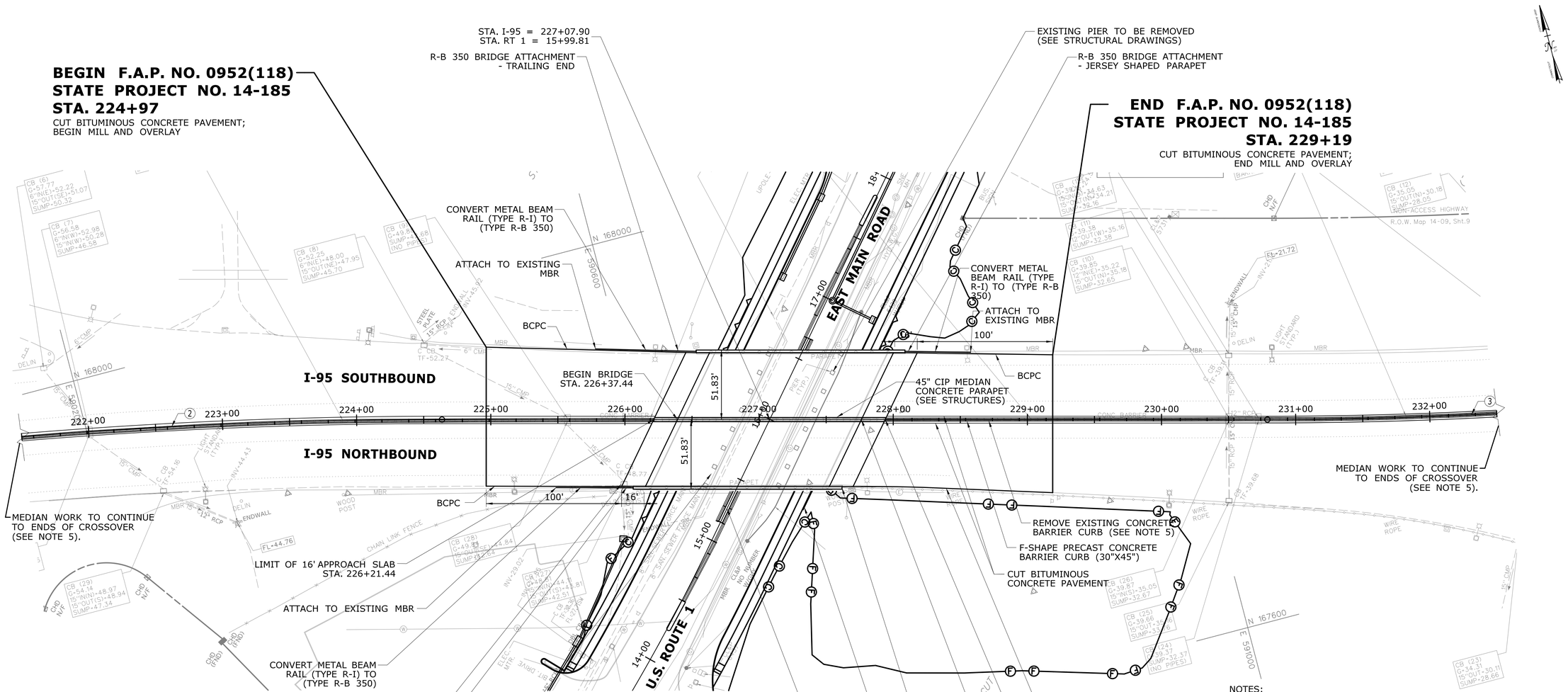
AMMANN & WHITNEY
2500 WESTCHESTER AVENUE
SUITE 305
PURCHASE, NEW YORK

PROJECT TITLE: REHABILITATION OF BRIDGE NO. 00196 - INTERSTATE 95 OVER U.S. ROUTE 1

TOWN: BRANFORD

DRAWING TITLE: HIGHWAY PLAN - 2

PROJECT NO. 14-185
DRAWING NO. HWY-06
SHEET NO. 03.06.A1



BITUMINOUS CONCRETE PARK CURB			
BEGIN STATION	END STATION	OFFSET	LENGTH (FT)
224+97	226+53	LEFT	156
224+97	226+06	RIGHT	109
227+62	229+19	RIGHT	157
228+09	229+19	LEFT	110

F-SHAPE PCBC (30"X45")			
BEGIN STATION	END STATION	OFFSET	LENGTH (FT)
198+42	206+25	-	783*
206+25	226+21.44	-	1996.44
227+94.02	246+00	-	1805.98
246+00	253+50	-	750*

*TO BE INSTALLED AFTER MPT STAGE 4 (WHEN CROSSOVERS ARE NO LONGER IN USE). ALL OTHER MEDIAN WORK TO BE COMPLETED PRIOR TO STAGE 3.

NOTES:

1. FOR WORK ON U.S. ROUTE 1, SEE DRAWING NOS. HWY-05 AND HWY-06.
2. FOR WORK ON PIERS, ABUTMENTS AND RETAINING WALLS OF BRIDGE NO. 00196, SEE SUBSET 04-STRUCTURES.
3. CONTRACTOR SHALL INSTALL RUMBLE STRIPS WHERE REMOVED.
4. EXISTING STANDPIPE LOCATED AT SOUTHERN FACE OF WESTERN PIER TO BE REMOVED AND RESET AT SOUTHERN FACE OF NEW CENTER PIER, SEE DRAWING NO. S-43.
5. THE LIMITS OF THE REMOVAL OF EXISTING CONCRETE BARRIER CURB, CUT BITUMINOUS CONCRETE PAVEMENT, AND F-SHAPE PRECAST CONCRETE BARRIER CURB (30"X45") TO EXTEND TO ENDS OF MPT CROSSOVERS. SEE MPT PLANS (TRA-12 TO TRA-21). JERSEY SHAPE TRANSITION TO F-SHAPE PCBC TO BE CONSTRUCTED AT STATION 198+42 AND 253+50; SEE HW-821_03e FOR DETAIL.
6. A TRANSITION 45" F-SHAPE TO 45" MEDIAN CONCRETE PARAPET SHALL BE CONSTRUCTED AT STA. 226+21.44 AND STA. 227+94.02; AND SHALL BE PAID FOR UNDER ITEM NO. 0821189A CONCRETE BARRIER TRANSITION SECTION ~~0601201 "CLASS 'F' CONCRETE".~~ 1

ADDENDUM NO. 1

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/10/2018	NOTE NO. 6 REVISION	

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Plotted Date: 9/24/2018

DESIGNER/DRAFTER: J. TYROS
CHECKED BY: S. SUEHR
SCALE IN FEET 0 40 80
SCALE 1"=40'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_0014_0185_RDP_PLN-03.DGN

SIGNATURE/BLOCK: STATE OF CONNECTICUT SHAUN SUHRE No. 32484 LICENSED PROFESSIONAL ENGINEER

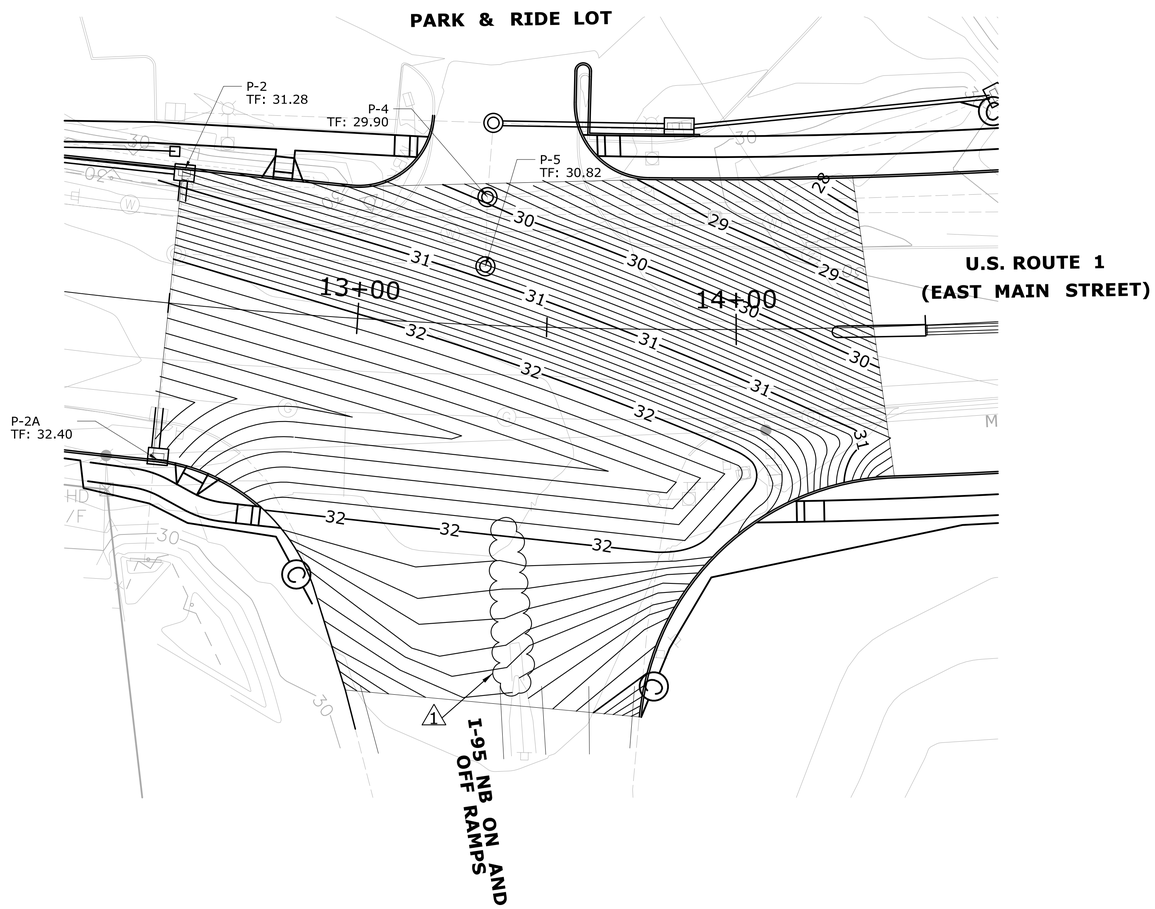
AMMANN & WHITNEY
2500 WESTCHESTER AVENUE
SUITE 305
PURCHASE, NEW YORK

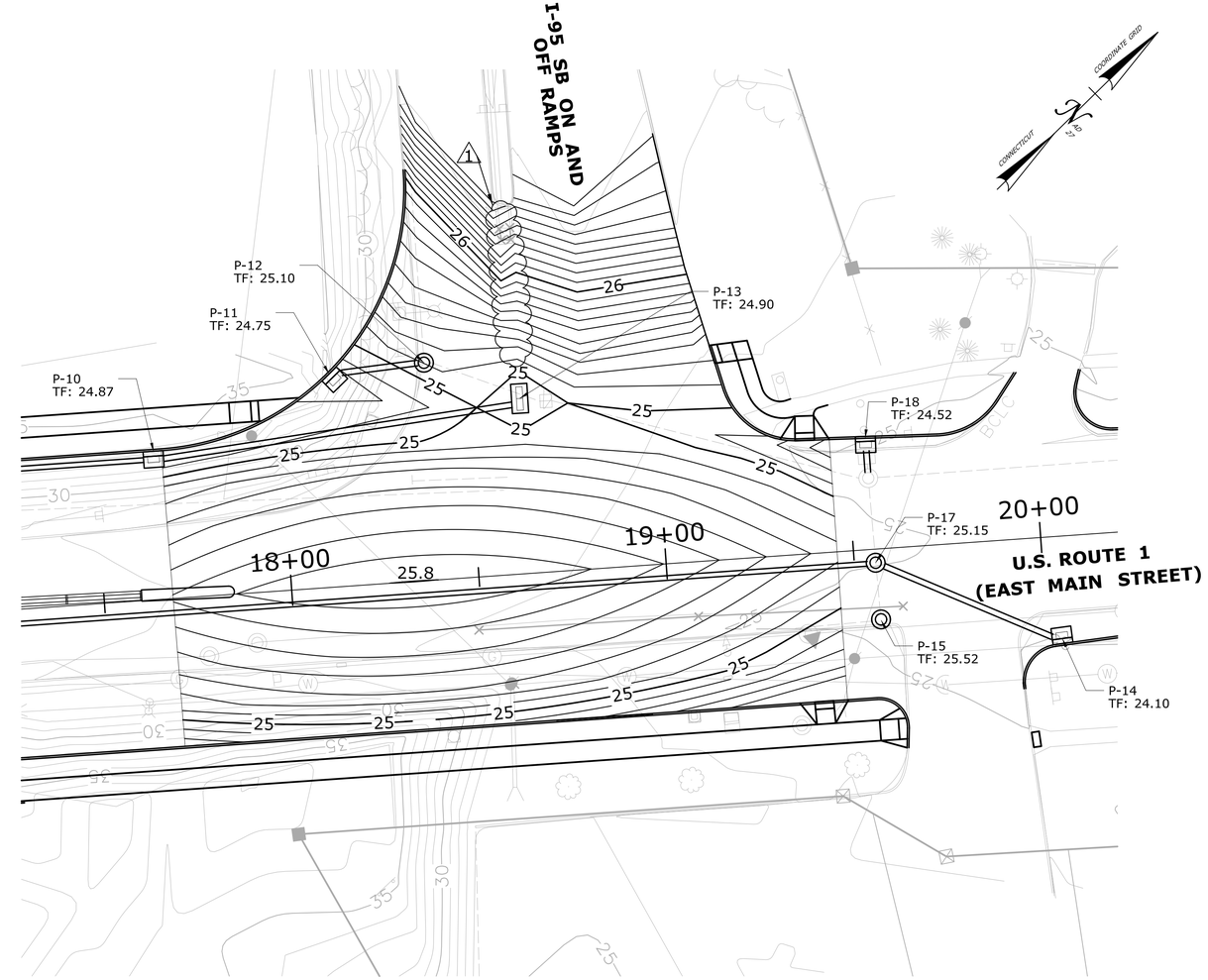
PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 00196 - INTERSTATE 95 OVER U.S. ROUTE 1

TOWN: **BRANFORD**

DRAWING TITLE: **HIGHWAY PLAN - 3**

PROJECT NO. **14-185**
DRAWING NO. **HWY-07**
SHEET NO. **03.07.A1**





DRAINAGE STRUCTURES TABLE

STRUCTURE NO.	STATION	OFFSET	TYPE	TOP OF FRAME	INVERTS				SUMP DEPTH
					NORTH	SOUTH	WEST	EAST	
P-1	11+86	34.39 L	"C" CB	32.10	27.50				4.00
P-2	12+51	22.79 L	"C" CB	31.28				25.59	4.00
P-2A	12+51	41.28 R	"C" CB	32.40				24.20	4.00
P-3	13+34	53.41 L	RESET M.H.	31.60					
P-4	13+33	33.77 L	RESET M.H.	29.90					
P-5	13+33	15.49 L	RESET M.H.	30.82					
P-6	13+85	51.85 L	"C" CB, DBL GRATE, TYPE II	30.36		27.71			4.00
P-7	14+74	45.69 L	"C-L" CB	32.50		29.00			4.00
P-8	17+00	39.50 R	"C" CB, DBL GRATE, TYPE II	24.45				21.10	4.00
P-9	17+00	39.50 L	"C" CB, DBL GRATE, TYPE II	24.45	21.00				4.00
P-10	17+66	39.50 L	"C" CB	24.87	20.72				4.00
P-11	18+20	62.20 L	"C" CB	24.75	21.18				4.00
P-12	18+39	58.00 L	CONVERT CB TO M.H.	25.10					
P-13	18+69	45.56 L	"C-L" CB, DBL GRATE, TYPE II	24.90	20.45		20.45		4.00
P-14	20+04	28.7 R	"C" CB	24.10		20.05			4.00
P-15	19+56	19.01 R	CONVERT CB TO M.H.	25.52					
P-16	17+00	4.00 R	M.H.	25.30	20.98			20.98	
P-17	19+56	4.00 R	M.H.	25.15	19.80	19.80	19.80	19.80	
P-18	19+55	30.13 L	"C" CB	24.52				19.70	4.00

ADDENDUM NO. 1

REV.	DATE	REVISION DESCRIPTION	SHEET NO.
1	09/10/2018	REMOVAL OF BCLC AT I-95 NB/SB RAMPS	

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Plotted Date: 9/12/2018

DESIGNER/DRAFTER: O. BELGUET
CHECKED BY: S. SUEHR
SCALE IN FEET 0 20 40
SCALE 1"=20'

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

Filename: ...\HW_MSH_0014_0185_IGP_PLN-01.DGN.dgn

SIGNATURE/BLOCK: STATE OF CONNECTICUT SHAUN SUEHR No. 32184 LICENSED PROFESSIONAL ENGINEER

AMMANN & WHITNEY
2500 WESTCHESTER AVENUE
SUITE 305
PURCHASE, NEW YORK

PROJECT TITLE:
REHABILITATION OF BRIDGE NO. 00196 - INTERSTATE 95 OVER U.S. ROUTE 1

TOWN: **BRANFORD**

DRAWING TITLE: **INTERSECTION GRADING PLAN & DRAINAGE TABLE**

PROJECT NO. **14-185**
DRAWING NO. **HWY-10**
SHEET NO. **03.10.A1**