

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	1
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

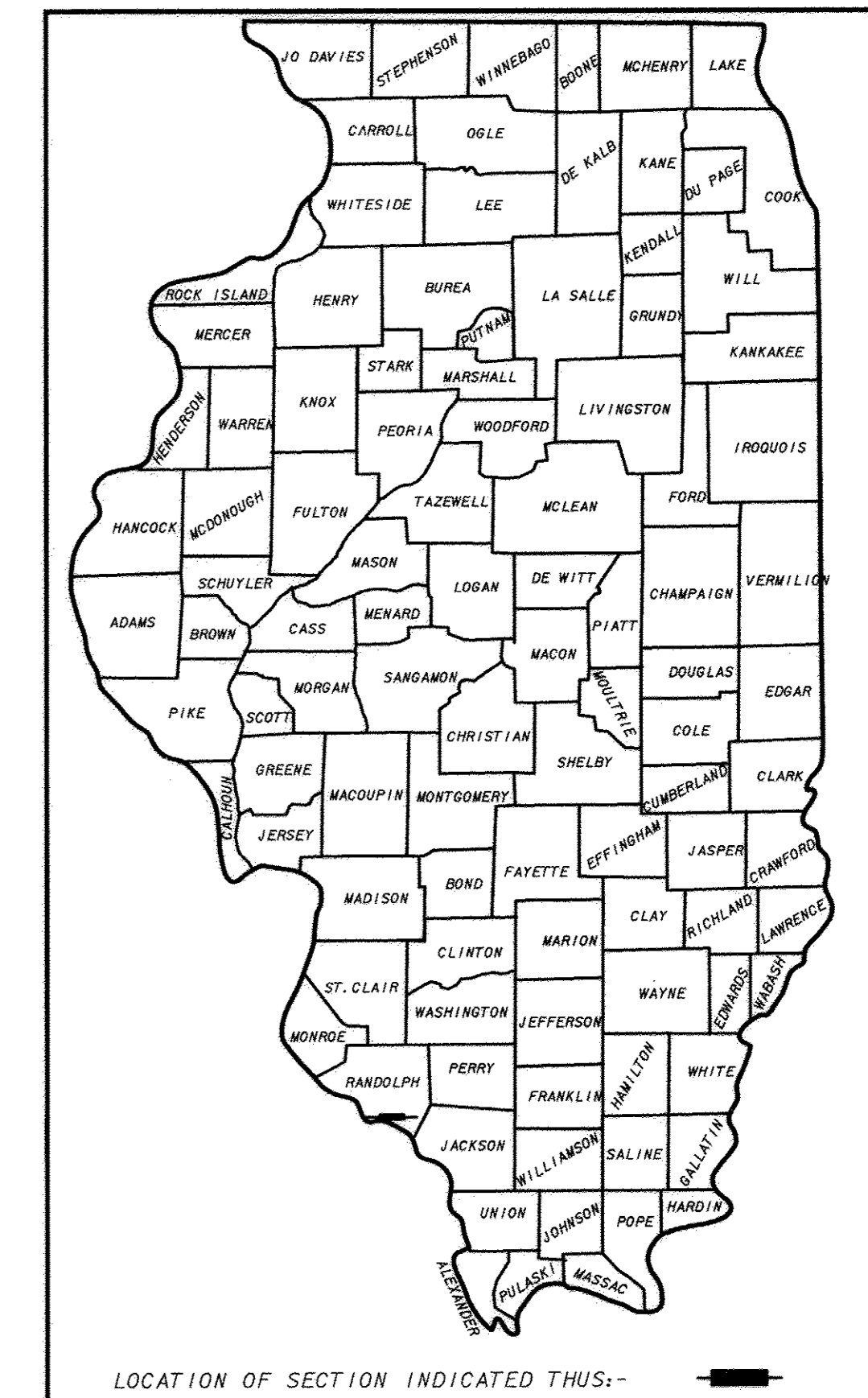
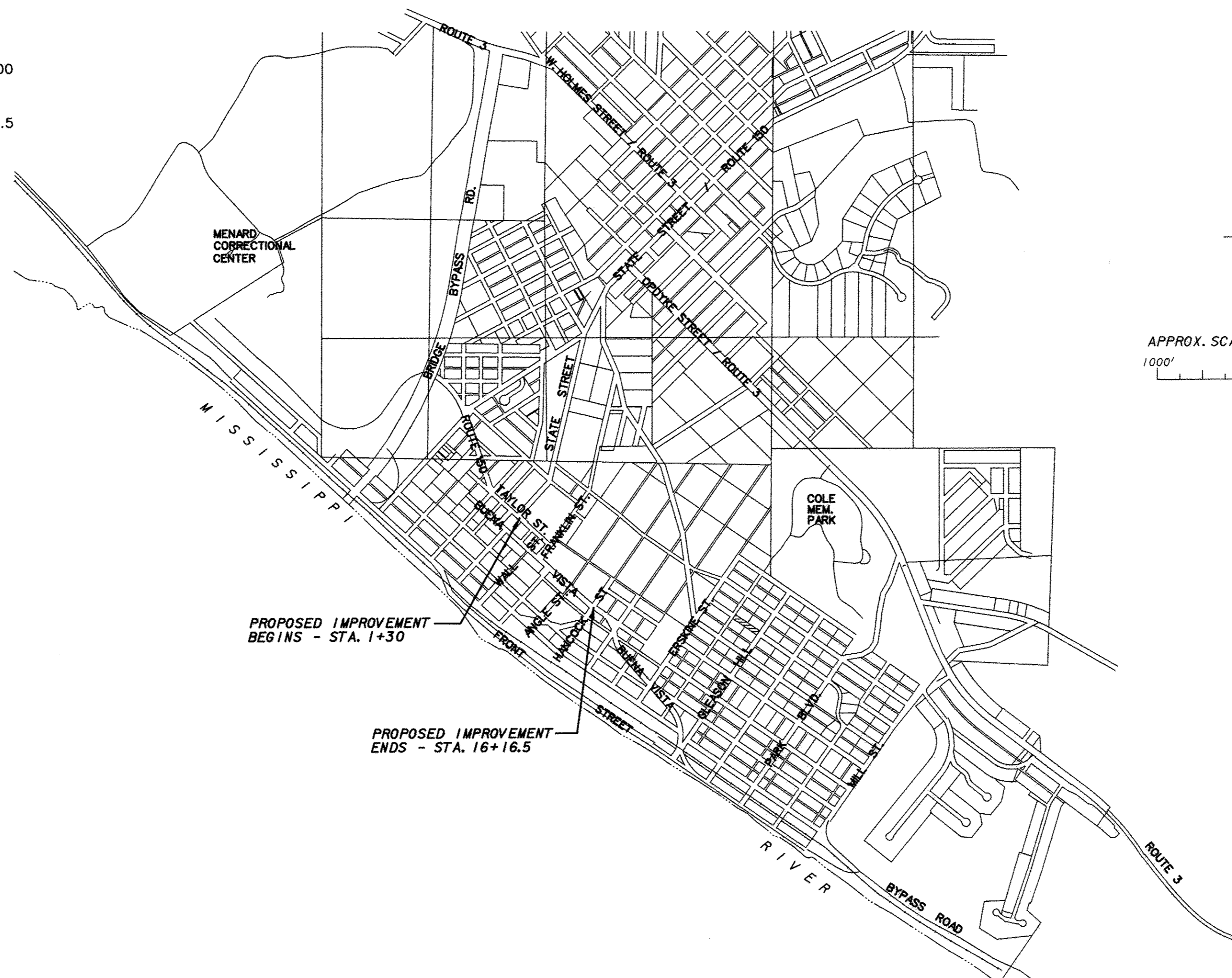
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL - AID URBAN PROJECT
CITY OF CHESTER**

F.A.U. ROUTE 9415
SECTION 09-00055-01-RP
RANDOLPH COUNTY
JOB NO. C-98-316-14
PROJECT NO. M-5014(010)
CONTRACT 97642

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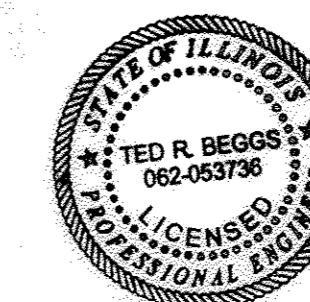
LIST OF HIGHWAY STANDARDS

HIGHWAY STANDARD NO.	TITLE
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-08	PAVEMENT JOINTS
420111-03	PCC PAVEMENT ROUNDOUTS
424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424016-03	MID-BLOCK CURB RAMPS FOR SIDEWALKS
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701901-06	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
B.L.R. 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
B.L.R. 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY) (TWO-LANE TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

CITY OF CHESTER
LENGTH OF PROJECT 0.282 MI. = 1,486.5 FT.

J.U.L.I.E 1-800-892-0123
UTILITIES ON PROJECT
CITY OF CHESTER - GAS, WATER, SEWER
AMEREN ILLINOIS - ELECTRIC
FRONTIER COMMUNICATIONS - TELEPHONE
NEW WAVE COMMUNICATIONS - CABLE T.V.
CLEARWAVE COMMUNICATIONS - FIBER-OPTICS

SCALES
PLAN 1 INCH = 20 FEET
PROFILE 1 INCH = 20 FEET HORIZ.
PROFILE 1 INCH = 10 FEET VERT.
CROSS SECTIONS 1 INCH = 5 FEET HORIZ.
CROSS SECTIONS 1 INCH = 5 FEET VERT.



Ted R. Beggs
TED R. BEGGS, P.E.
REG. NO. 62-053736
DATE 4/13/17
EXPIRES 11-30-17

DESIGN DESIGNATION
ROADWAY CLASSIFICATION - URBAN COLLECTOR
DESIGN A.D.T. - 2,000
DESIGN SPEED - 30 MPH

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	<i>[Signature]</i> 4/17 2017 - MAYOR CITY OF CHESTER
PASSED	<i>[Signature]</i> 2017 - DISTRICT B ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	<i>[Signature]</i> 2017 - REGION FIVE ENGINEER

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SCALE AS SHOWN	PLANS PREPARED BY: J. T. BLANKINSHIP, INC. CONSULTING ENGINEERS 401 S. 17TH STREET MURPHYSBORO, ILLINOIS	BOOK 513-00
DATE		FILE NO. E-9301
DEC. 2016		SHEET NO. 1 OF 40

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	2
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

SUMMARY OF QUANTITIES

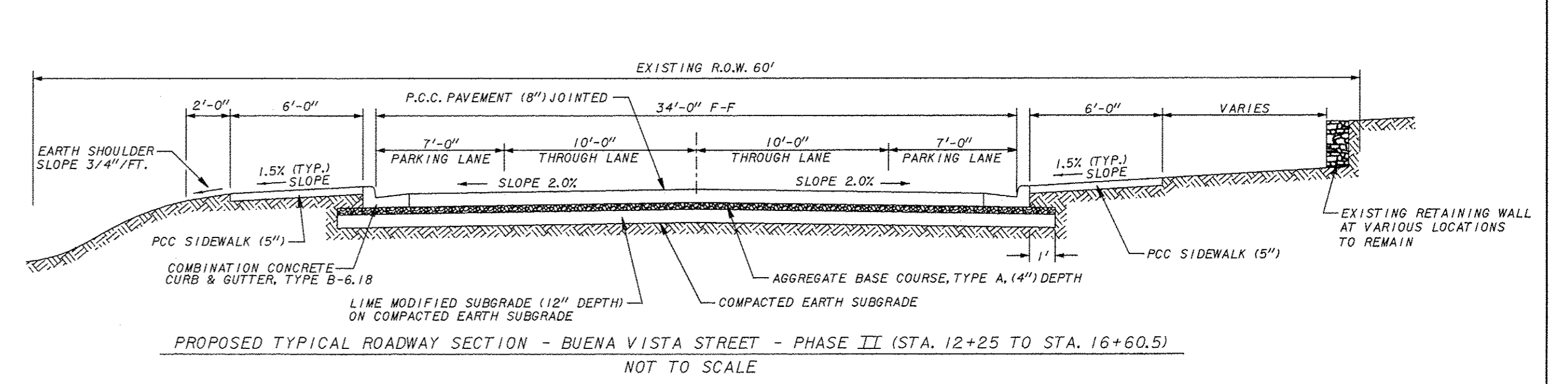
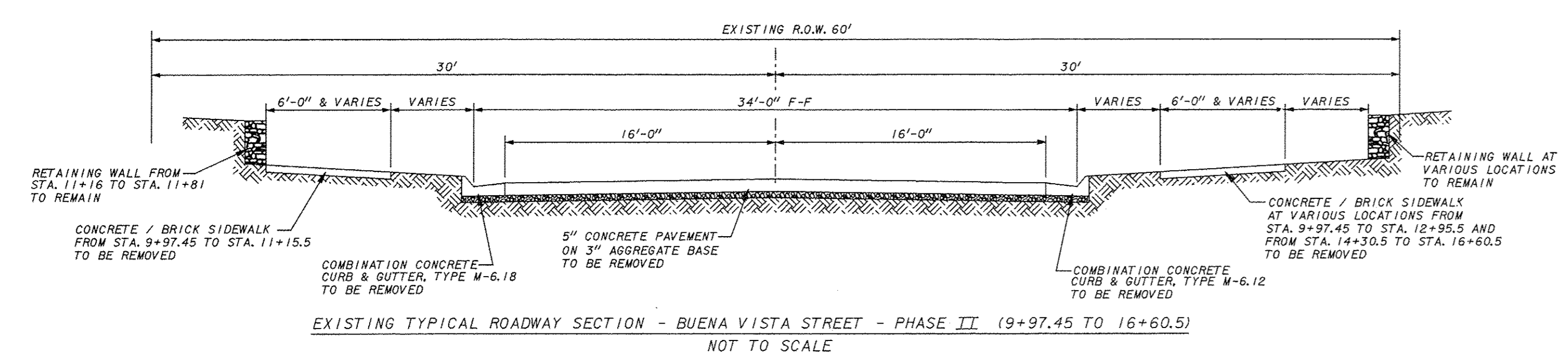
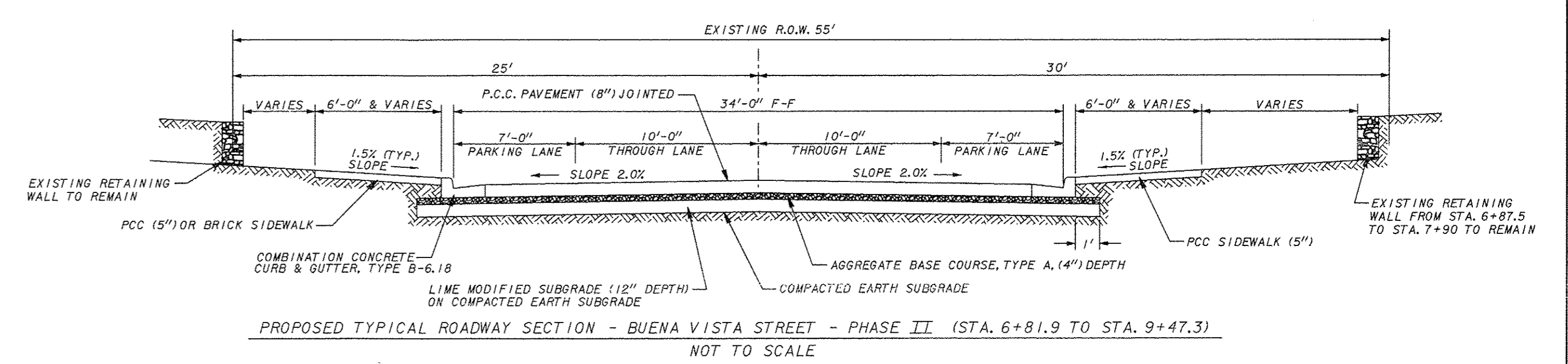
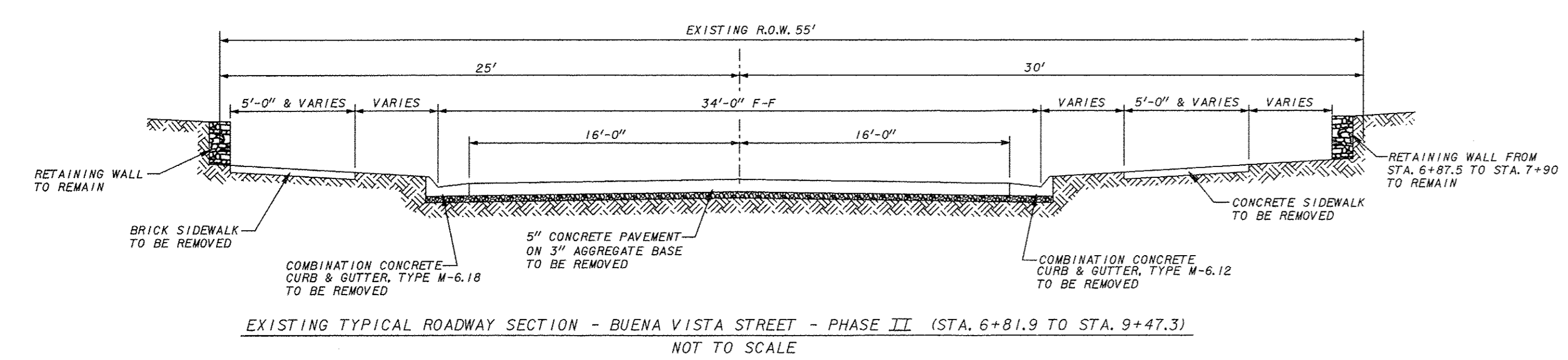
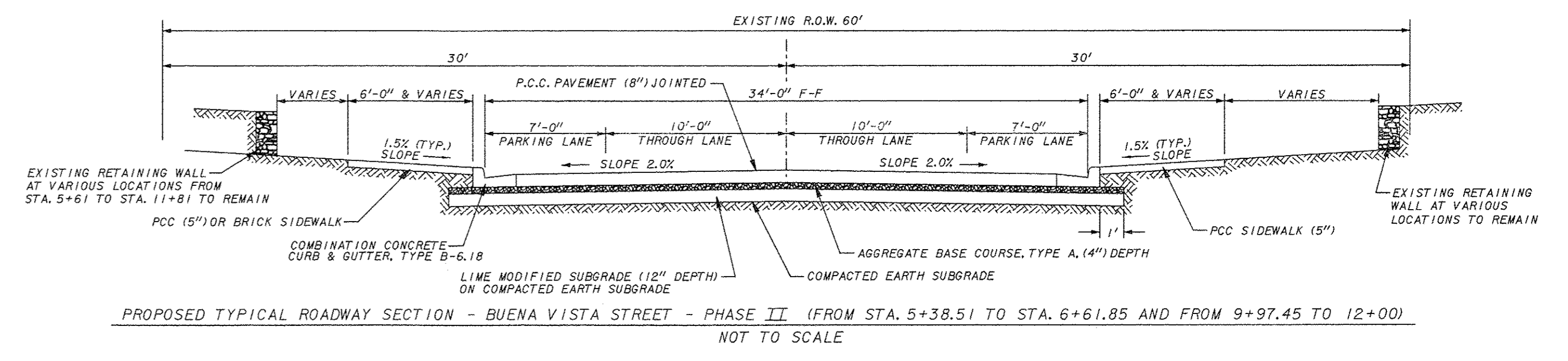
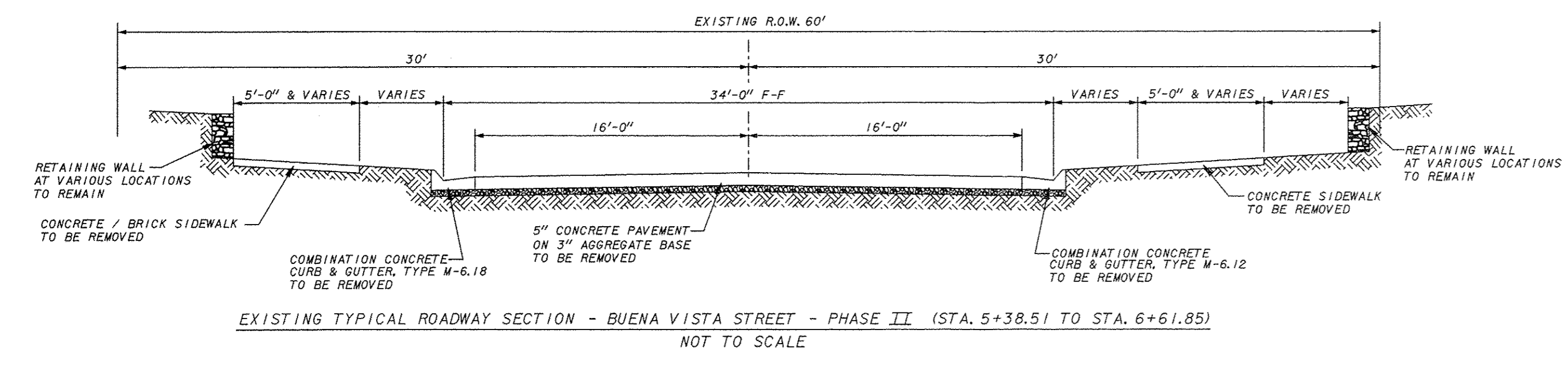
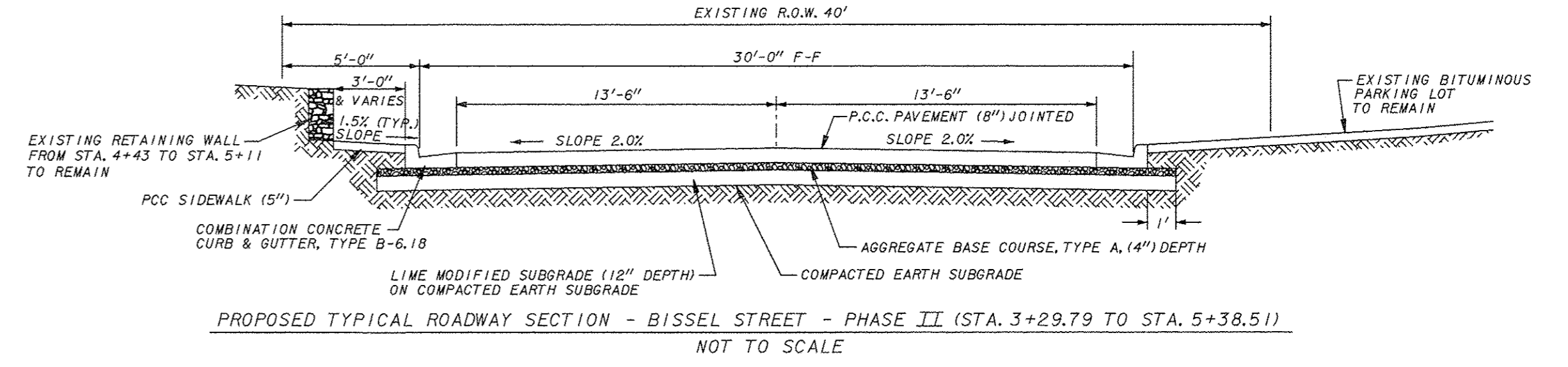
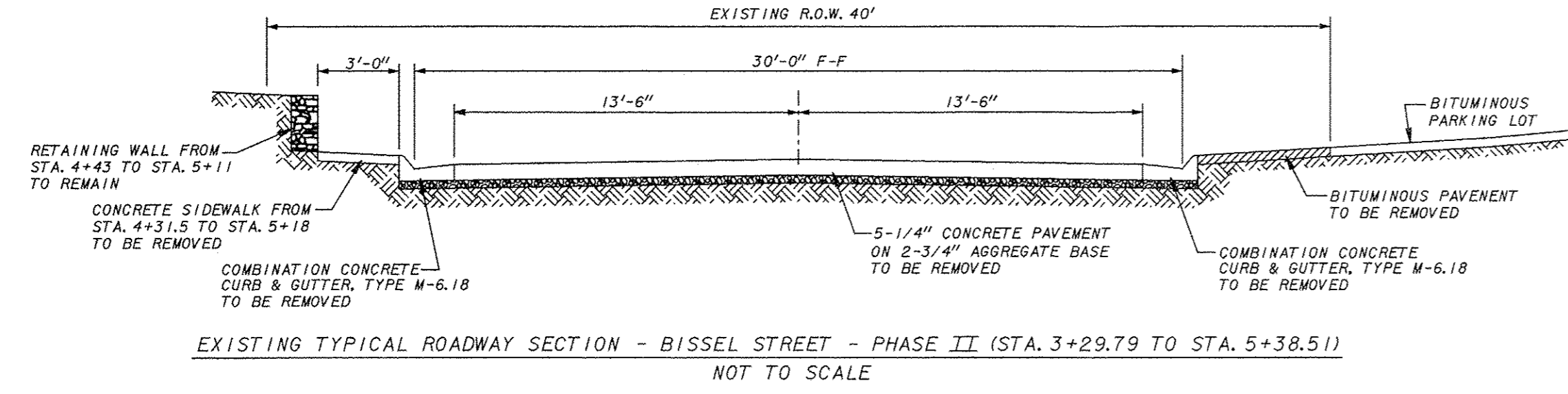
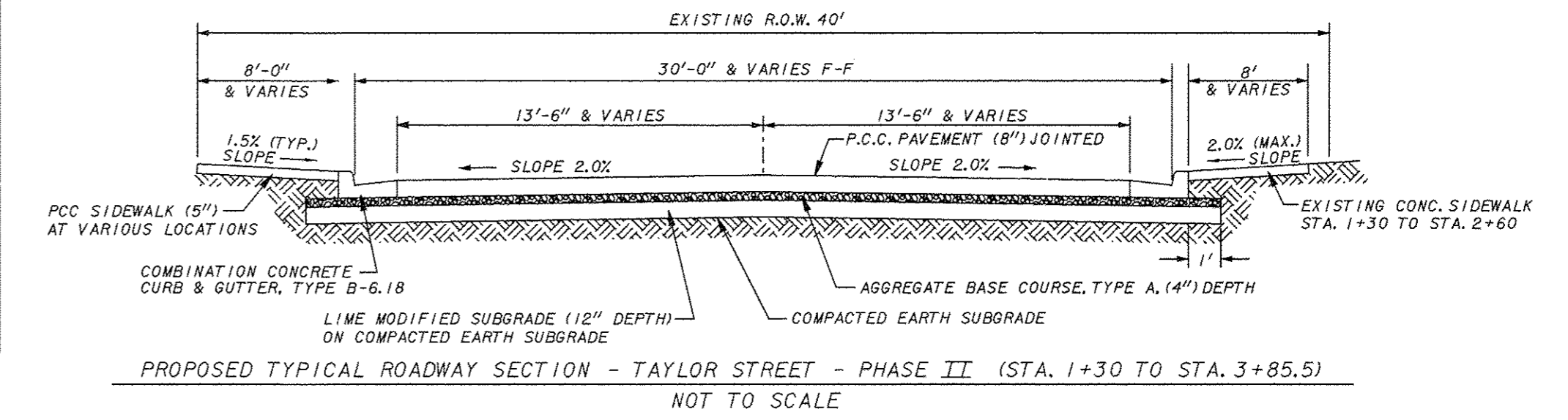
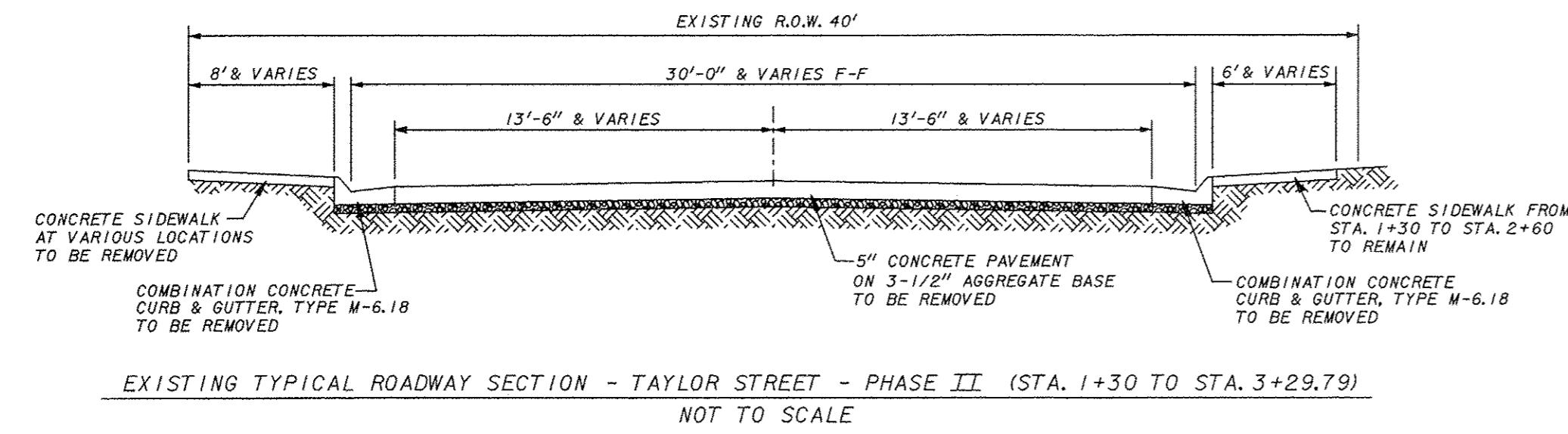
CODE NUMBER	ITEM	UNIT	TOTAL	CODE NUMBER	ITEM	UNIT	TOTAL
20400800	FURNISHED EXCAVATION	CU YD	200	72000100	SIGN PANEL - TYPE 1	SQ FT	123.55
25100630	EROSION CONTROL BLANKET	SQ YD	500	72900200	METAL POST - TYPE B	FOOT	272
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	200	73000100	WOOD SIGN SUPPORT	FOOT	64
28000400	PERIMETER EROSION BARRIER	FOOT	300	Δ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2,905
28000500	INLET AND PIPE PROTECTION	EACH	5	Δ 78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	1,318
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	6,620	Δ 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	47
30201500	LIME	TON	205	X0326863	BRICK SIDEWALK	SQ FT	1,410
35100100	AGGREGATE BASE COURSE, TYPE A	TON	1,700	X0326864	BRICK SIDEWALK REMOVAL	SQ FT	4,516
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	30	Δ X2080250	TRENCH BACKFILL, SPECIAL	CU YD	1,800
42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	5,578	Δ X5620025	WATER SERVICE CONNECTION 3/4"	EACH	16
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	678	Δ X5620030	WATER SERVICE CONNECTION 1"	EACH	2
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	10,693	Δ X5630004	CUT AND CAP EXISTING 4" WATER MAIN	EACH	1
42400800	DETECTABLE WARNINGS	SQ FT	107	Δ X5630010	CUT AND CAP EXISTING 10" WATER MAIN	EACH	1
44000100	PAVEMENT REMOVAL	SQ YD	5,768	Δ X6026622	VALVE VAULTS TO BE REMOVED	EACH	1
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	275	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3,165	Δ Z0056700	SANITARY SEWER 4"	FOOT	100
44000600	SIDEWALK REMOVAL	SQ FT	5,265	Δ Z0067500	STEEL CASINGS	FOOT	40
Δ 56100800	WATER MAIN 10"	FOOT	1260	Δ XX006077	GATE VALVE AND BOX, 6"	EACH	1
Δ 56109000	TAPPING VALVES AND SLEEVES 10"	EACH	1	Δ XX009174	PVC SANITARY FORCE MAIN, 2"	FOOT	140
Δ 56200200	WATER SERVICE LINE 3/4"	FOOT	500	Δ XX009175	STEEL GAS MAIN - FBE COATED - 0.188" WALL, 4"	FOOT	1,005
Δ 56200300	WATER SERVICE LINE 1"	FOOT	40	Δ XX009176	STEEL GAS MAIN - FBE COATED - 0.154" WALL, 2"	FOOT	265
Δ 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	1	Δ XX009177	RECONNECT STEEL GAS SERVICES, 3/4"	EACH	14
Δ 56400820	FIRE HYDRANT WITH AUXILIARY VALE AND VALVE BOX	EACH	3	Δ XX009178	GAS SERVICE PIPE, 3/4"	FOOT	370
60260100	INLETS TO BE ADJUSTED	EACH	4	Δ XX009179	GAS CONNECTION, 2"	EACH	2
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	2	Δ XX009180	GAS CONNECTION, 4"	EACH	1
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	3,175	Δ XX009181	GAS CONNECTION W/ VALVE, 4"	EACH	1
67100100	MOBILIZATION	L SUM	1	Δ XX009182	LINE STOP & CAP, 2"	EACH	1
				Δ SPECIAL ITEMS			

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CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

STRUCTURAL DESIGN DATA

DESIGN PERIOD - 20 YEARS
 STRUCTURAL DESIGN TRAFFIC: YEAR 2026
 PV - 950 SU - 50 MU - 0
 ROAD/STREET CLASSIFICATION: CLASS III
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P - 50% S - 50% M - 50%
 TRAFFIC FACTOR - TF = 0.0662
 MINIMUM SOIL SUPPORT: IBR = 7.1

* USE PCC PAVEMENT 8" (JOINTED) ON AN AGGREGATE BASE COURSE, TYPE A (4")



SIGNAGE SCHEDULE

EXISTING LOCATION STATION, OFFSET	PROPOSED LOCATION STATION, OFFSET	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH		
1+38.5, 23' LT.	1+38.5, 23' LT.	1																			
NA	2+90, 18.5' RT.																				
(TSE) 3+34, 23' LT.	(TSE) 3+34, 23' LT.		1																		
(TSE) 3+86, 15' LT.	(TSE) 3+80, 15' LT.	1																			
3+68.5, 17' LT.	3+68.5, 17.5' LT.				1																
4+26.5, 17' LT.	4+26.5, 17.5' LT.				1																
NA	5+08, 25' RT.																				
NA	(BVSE)4+40, 23' RT.																				
(BVSE)4+71, 21' RT.	(BVSE)4+71, 22.5' RT.						1														
(BVSE)5+07, 26' LT.	(BVSE)5+07, 26.5' LT.						1														
(BVSE)5+12, 20' RT.	(BVSE)5+12, 21.5' RT.	1																			
(BVSE)5+30.5, 20' RT.	(BVSE)5+30.5, 21' RT.		1	1																	
5+77, 21' LT.	5+77, 19.5' LT.							1													
6+47, 20' LT.	6+47, 19.5' LT.							1													
6+47, 20.5' RT.	6+47, 20.25' RT.								1												
6+55, 20' RT.	6+80, 24' RT.									1											
7+95, 31' LT.	7+95, 31' LT.	1																			
9+47, 18.5' LT.	9+50, 24' LT.																				
12+06, 18' RT.	12+07.5, 24.5' RT.																				
13+21, 21' RT.	13+25, 25' RT.																				
13+78.5, 19.5' RT.	13+78.5, 25' RT.																				
14+68, 21' LT.	14+68, 23.5' LT.																				
NA	16+35, 25' RT.																				
TOTALS		4	2	1	2	2	2	1	2	1	2	1	1	4	17	17	3	1	1	2	
TOTAL SIGN FACE AREA (SQ. FT.)		20.8	16.0	3.0	3.0	12.5	3.0	6.25	NA	6.25	2.25	10.0	6.25	5.5	NA	NA	NA	18.75	4	2	4
		TOTAL FOR PROJECT - 123.55 SQ. FT.																			

* These existing signs and posts shall be removed by the Contractor and delivered to the Chester Street Department, 802 Servant Street and shall become the property of the City of Chester. The cost of performing this work shall not be paid for separately, but shall be included in the contract.

PAVEMENT MARKING SCHEDULE

LOCATION (STATION)	OFFSET	FOOT	FOOT	FOOT	FOOT
1+39.5	CENTERLINE TO 19' LT.				19
1+40.5 TO 3+00	CENTERLINE	319			
(TSE) 3+87	CENTERLINE TO 17' LT.				11
3+00 TO 3+60	CENTERLINE	95			
3+60 TO 5+13	CENTERLINE	306			
5+16.8	41' RT. TO 29' LT.			114	
5+13 TO 5+63	CENTERLINE	78			
(BVSE) 4+47	19.7' RT. TO 19.7' LT.			79	
5+11	CENTERLINE TO 17' RT.				17
5+63 TO 16+16.5	CENTERLINE	2107			
16+48	19' RT. TO 17' LT.			69	
16+58 TO 16+99	31' RT.			82	
TOTALS				2905	344

* ALL LOCATION (STATION) AND OFFSETS ARE TO CENTER OF STRIPE

"NO PARKING ZONE" CURB MARKING SCHEDULE

LOCATION (STATION)	OFFSET *	FOOT	FOOT
1+30 TO 2+50.6	21' LT. TO 15' LT.		121
1+46 TO 2+52	21' RT. TO 15' RT.		106
2+94.6 TO (TSE)3+62	15' LT. TO 13' LT.		68
3+45 TO 3+79.5	27.5' LT. TO 15' LT.		41.8
3+45 TO 4+89.77	42' RT. TO 15' RT.		158.7
4+04.5 TO 5+01.70	15' LT.		97.2
(BVSE)4+30 TO (BVSE)4+49.5	20' RT. TO 19.5' RT.		19.5
(BVSE)4+30 TO (BVSE)4+65.5	20' LT. TO 19' LT.		35.5
(BVSE)4+69.5 TO 5+47	19' RT. TO 17.5' RT.		77.5
(BVSE)4+97.5 TO (BVSE)5+23	19' LT. TO 48.5' LT.		41.8
5+53.5 TO 6+59	37' LT. TO 17' LT.		117
5+69 TO 6+59	17' RT.		90
TOTALS			974

DETECTABLE WARNING SCHEDULE

LOCATION (CENTERLINE STATION)	LENGTH	WIDTH	QUANTITY
	FT	FT	SQ FT
(BVSE) 4+46 RT.	4	2	8
(BVSE) 4+48 LT.	4	2	8
(BVSE) 5+05 LT.	15.5	2	31
5+61 LT.	18	2	36
16+48 RT.	4	2	8
16+48 LT.	4	2	8
16+58 RT.	4	2	8
TOTAL			107

DRIVEWAY SCHEDULE

LOCATION (STATION)	LENGTH	WIDTH	SQ YD	SQ YD	SQ YD
	FT	FT			
2+72.6 PEL	4.42	34 TO 44	13.5	19.2	
(TSE) 3+73 PEL	6.92	12 TO 22	12.6	13.1	
3+92 PEL	4.42	15 TO 25	8.6	9.8	
(BVSE) 4+59.5 PER	11	10 TO 20	6.2	18.3	
(BVSE) 4+81.5 PEL	6	22 TO 32	NA	18.0	
5+68 PER	12.6	12 TO 22	NA	23.8	
6+70 PER	12.42	12 TO 22	26.5	23.5	
6+70 PER	10	12 TO 9	11.7	11.7	
6+72 PEL	7.42	16 TO 26	21.6	17.3	
6+72 PEL	10	16	17.8	17.8	
8+03.5 PEL	8.92	16 TO 26	20.5	20.8	
9+75 PEL	12.42	20 TO 40	22.8	41.4	
9+75 PEL	10	20	NA	22.2	
10+40.5 PER	12.42	18 TO 28	27	31.2	
11+08.5 PEL	6	12 TO 22	21.6	11.3	
11+08.5 PEL	6.42	12	NA	8.6	
11+98 PER	10	11 TO 21	8.4	17.8	
12+00 PEL	12.42	24 TO 34	1.7	40	
12+21.5 PER	12.42	20 TO 30	14.5	34.5	
13+10 PER	14.42	17 TO 27	26.8	35	
14+05.5 PER	13.2	16 TO 26	1.7	30.8	
14+32.5 PER	13.4	16 TO 26	1.6	31.3	
14+41 PEL	11.3	24 TO 44	NA	42.7	
14+92 PER	13.9	16 TO 26	1.8	32.4	
15+27.5 PEL	10.6	14 TO 24	1.6	22.4	
15+47 PER	14.4	12 TO 22	2.6	27.2	
15+78 PEL	10.2	20 TO 30	1.8	28.3	
16+08.5 PER	14.6	12 TO 22	2.1	27.6	
TOTALS			275	678	

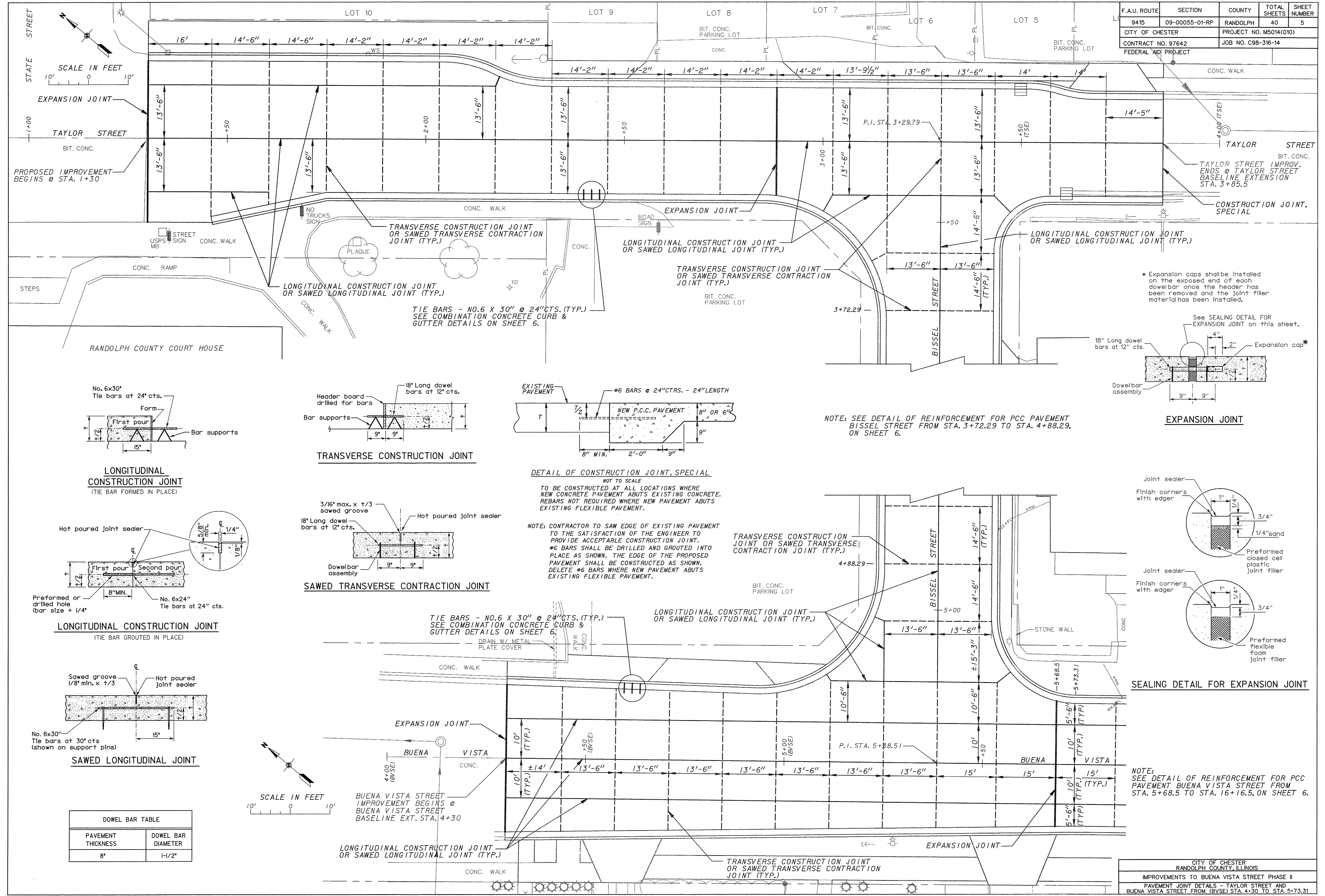
SIDEWALK REMOVAL SCHEDULE

LOCATION (STATION)	OFFSET	WIDTH	SQ FT
1+30 TO 2+30.5	20.8' LT. TO 30' LT.	8.5	854
2+90.5 TO (TSE) 3+50	16' LT. TO 20' LT.	4	238
(TSE) 3+50 TO 3+64.3	14' LT. TO 20' LT.	5	72
(TSE) 3+78 TO 3+85.5	16.5' LT. TO 20' LT.	3.5	26
4+31.5 TO 5+10	15.5' LT. TO 19' LT.	3	235
(BVSE) 4+30 TO 4+45	20.5' LT. TO 24.5' LT.	4	60
(BVSE) 4+45 TO 4+68	20' LT. TO 26' LT.	6	138
(BVSE) 4+33.4 TO 4+37.4	20.5' RT. TO 31.2' RT.	10.7	43
(BVSE) 4+37.4 TO 4+63.7	20.5' RT. TO 31.2' RT.	5	1132
5+59 TO 5+85	21' LT. TO 26' LT.	5	130
5+85 TO 5+89	17.5' LT. TO 26' LT.	8.5	34
5+89 TO 6+64	19' LT. TO 26' LT.	5	375
6+80.5 TO 10+28.5	17.5' RT. TO 23.5' RT.	4	1392
6+81.5 TO 7+11.5	19' LT. TO 24.5' LT.	5.5	165
7+11.5 TO 7+26.5	17.5' LT. TO 24.5' LT.	7	105
7+26.5 TO 7+81.5	18' LT. TO 24' LT.	5	275
7+81.5 TO 7+91.5	18' LT. TO 24' LT.	5.5	55
8+13 TO 9+60	18' LT. TO 23' LT.	4.5	662
9+85 TO 10+52	17.5' LT. TO 23' LT.	5	335
10+52 TO 10+96	17.5' LT. TO 23.5' LT.	5.5	242
10+47.8 TO 10+49.9	17' RT. TO 21.5' RT.	4.5	5
10+49.9 TO 10+82.5	17' RT. TO 23' RT.	5.5	180
10+82.5 TO 12+96	17' RT. TO 29' RT.	4	854
11+32 TO 11+42	18' LT. TO 26' LT.	8	80
13+17 TO 16+60	25.5' RT. TO 30' RT.	6	2058
15+56 TO 15+60	18' LT. TO 25.7' LT.	7.7	31
16+21.5 TO 16+24	21.8' LT. TO 23.58' LT.	1.8	5
TOTAL			5,265

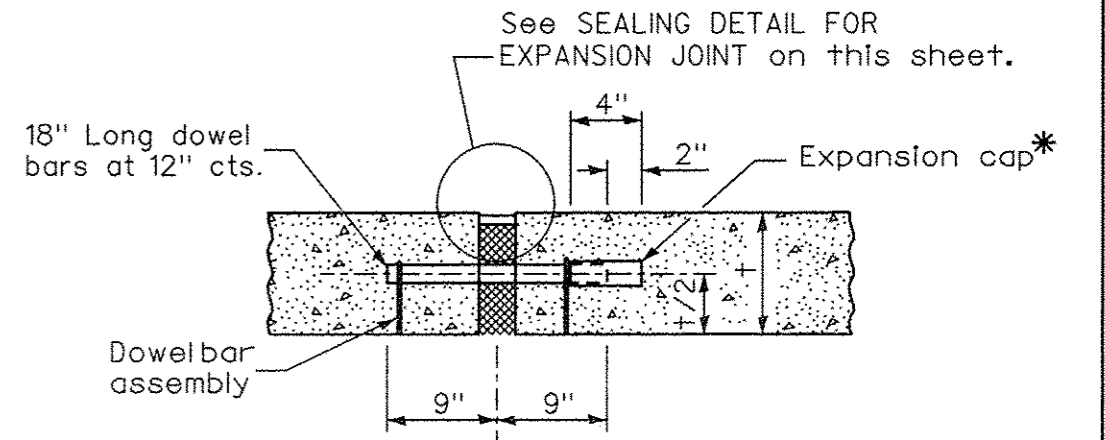
SIDEWALK REPLACEMENT SCHEDULE

LOCATION (STATION)	OFFSET	WIDTH	SQ FT
1+30 TO 2+04.41	21.58' LT. TO 29.58' LT.	8	595
2+04.41 TO 2+30.57	15.58' LT. TO 29.58' LT.	11	288
2+30.57 TO 2+53.1	15.58' LT. TO 20' LT.	4.42	100
2+92 TO (TSE)3+85.2	15.58' LT. TO 20' LT.	4.42	324
(TSE)3+80.3 TO 3+85.5	16.5' LT. TO 20' LT.	3.5	18
4+31.5 TO 5+10	15.58' LT. TO 19' LT.	3	235
(BVSE) 4+30 TO 4+45	20.5' LT. TO 24.5' LT.	4	60
(BVSE) 4+45 TO 4+68	19.75' LT. TO 26.3' LT.	6	138
(BVSE) 4+33.4 TO 4+37.4	20.58' RT. TO 31.2' RT.	10.6	42
(BVSE) 4+37.4 TO 4+43	26.2' RT. TO 31.2' RT.	5	28
(BVSE) 4+43 TO 4+49	20.4' RT. TO 31.2' RT.	10.8	65
(BVSE) 4+49 TO 4+53.4	26' RT. TO 31' RT.	5	22
(BVSE) 4+53.4 TO 5+50.4	23.5' RT. TO 30' RT.	6	505
(BVSE) 4+95 TO 5+04	19.4' LT. TO 25.1' LT.	6	54
5+64 TO 5+75	17.58' LT. TO 26' LT.	8	88
5+75 TO 6+61.3	17.58' LT. TO 26' LT.	8	690
5+65.6 TO 6+40	23.2' RT. TO 29.2' RT.	6	446
6+40 TO 6+61.3	17.58' RT. TO 29' RT.	11.5	245
6+80 TO 7+94.3	17.58' RT. TO 22.58' RT.	5	572
7+94.3 TO 10+27.3	17.58' RT. TO 21.58' RT.	4	932
6+82.5 TO 7+26.5	17.58' LT. TO 25' LT.	7.42	326
7+26.5 TO 7+92.2	17.58' LT. TO 23.58' LT.	6	384
8+15 TO 9+57	17.58' LT. TO 22.58' LT.	5	710
9+92.6 TO 11+00	17.58' LT. TO 23.58' LT.	6	644
10+52 TO 10+82.5	17.58' RT. TO 22.58' RT.	5	153
10+82.5 TO 11+00	17.58' RT. TO 23.58' RT.	5.25	92
11+00 TO 11+89	17.58' RT. TO 23.58' RT.	6	534
11+17 TO 11+84.2	17.58' LT. TO 23.58' LT.	6	403
12+16.2 TO 14+20.8	17.58' LT. TO 21.58' LT.	4	818
12+35.3 TO 12+44.5	17.58' RT. TO 23.58' RT.	6	55
12+44.5 TO			

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	5
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

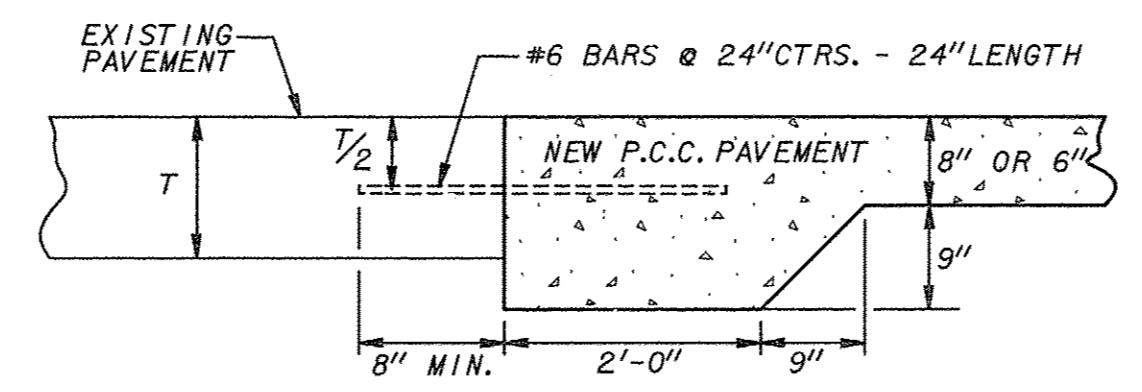


* Expansion caps shall be installed on the exposed end of each dowelbar once the header has been removed and the joint filler material has been installed.



EXPANSION JOINT

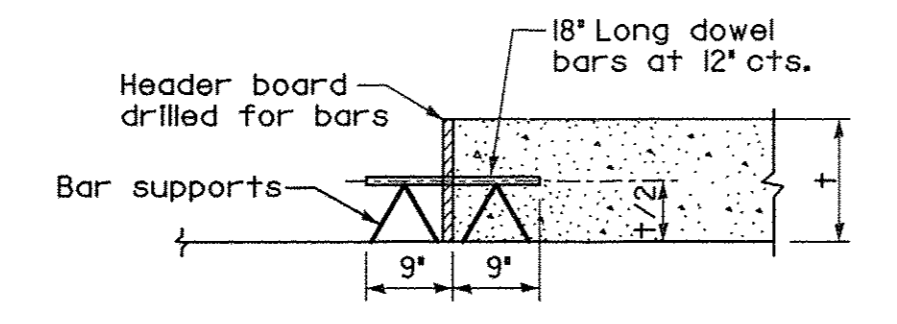
NOTE: SEE DETAIL OF REINFORCEMENT FOR PCC PAVEMENT BISSEL STREET FROM STA. 3+72.29 TO STA. 4+88.29, ON SHEET 6.



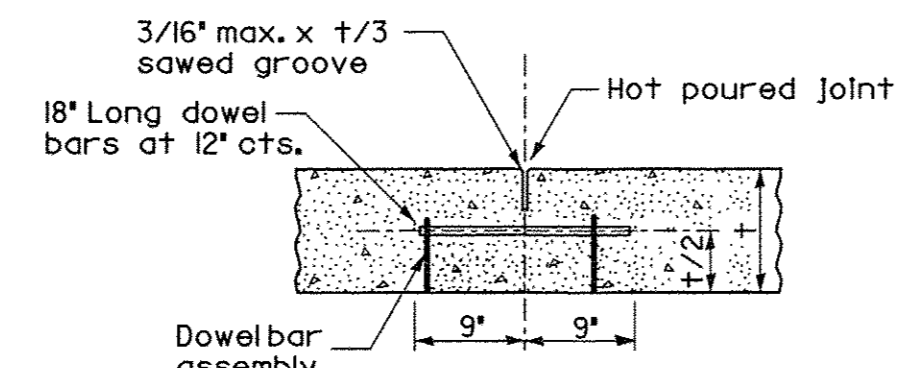
DETAIL OF CONSTRUCTION JOINT, SPECIAL

NOT TO SCALE
TO BE CONSTRUCTED AT ALL LOCATIONS WHERE NEW CONCRETE PAVEMENT ABUTS EXISTING CONCRETE. REBARS NOT REQUIRED WHERE NEW PAVEMENT ABUTS EXISTING FLEXIBLE PAVEMENT.

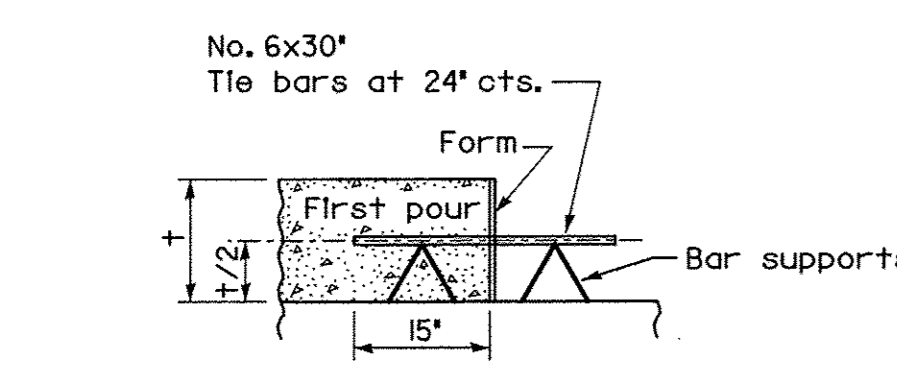
NOTE: CONTRACTOR TO SAW EDGE OF EXISTING PAVEMENT TO THE SATISFACTION OF THE ENGINEER TO PROVIDE ACCEPTABLE CONSTRUCTION JOINT. #6 BARS SHALL BE DRILLED AND GROUTED INTO PLACE AS SHOWN. THE EDGE OF THE PROPOSED PAVEMENT SHALL BE CONSTRUCTED AS SHOWN. DELETE #6 BARS WHERE NEW PAVEMENT ABUTS EXISTING FLEXIBLE PAVEMENT.



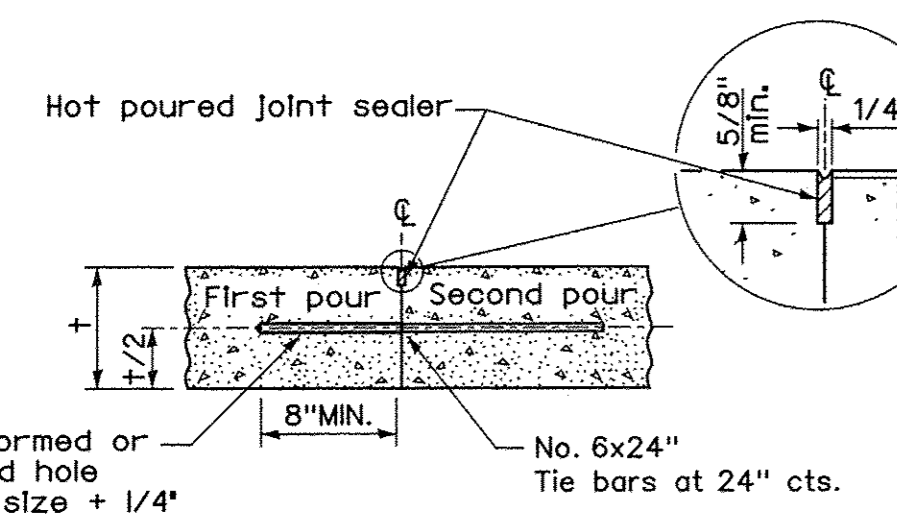
TRANSVERSE CONSTRUCTION JOINT



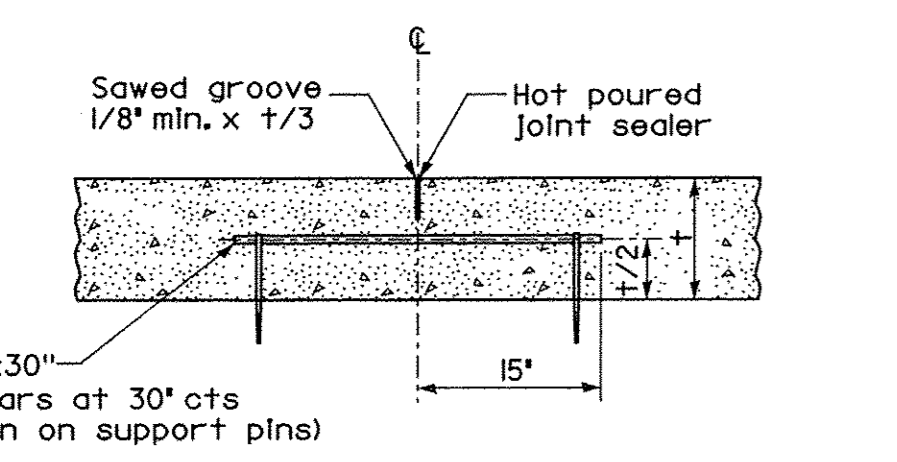
SAWED TRANSVERSE CONTRACTION JOINT



LONGITUDINAL CONSTRUCTION JOINT
(TIE BAR FORMED IN PLACE)

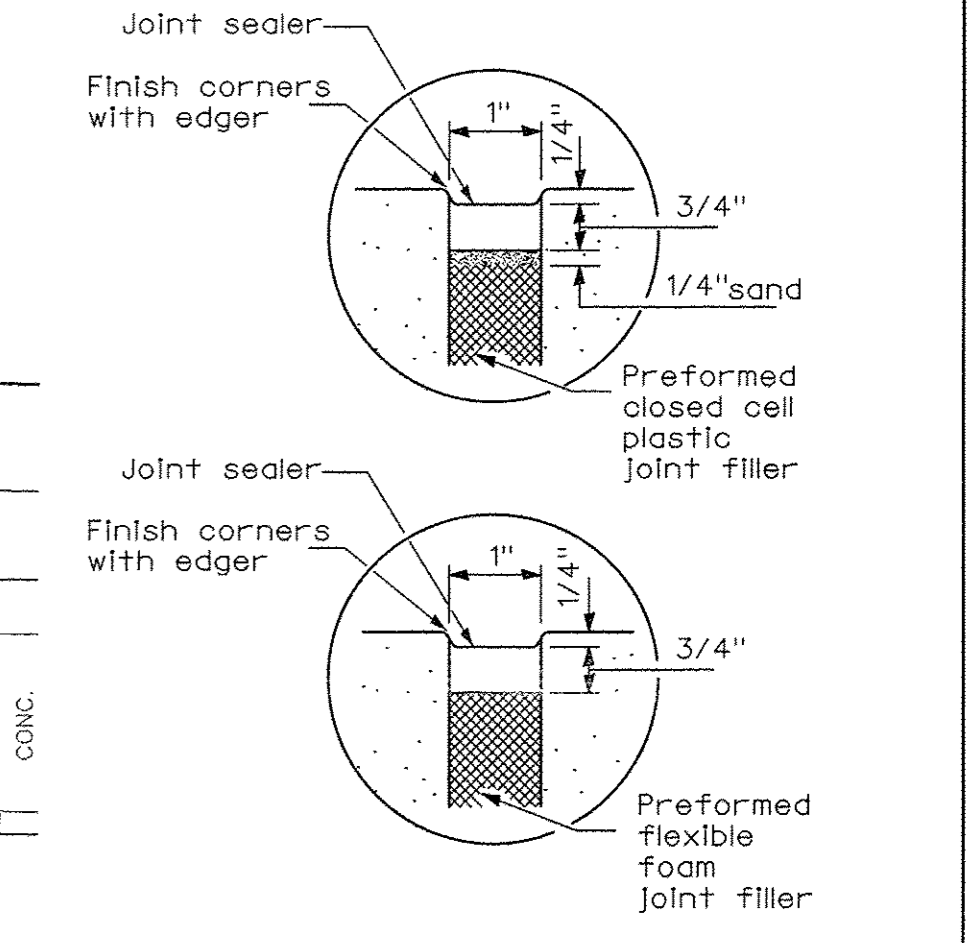


LONGITUDINAL CONSTRUCTION JOINT
(TIE BAR GROUTED IN PLACE)



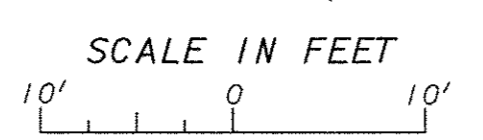
SAWED LONGITUDINAL JOINT

DOWEL BAR TABLE	
PAVEMENT THICKNESS	DOWEL BAR DIAMETER
8"	1-1/2"



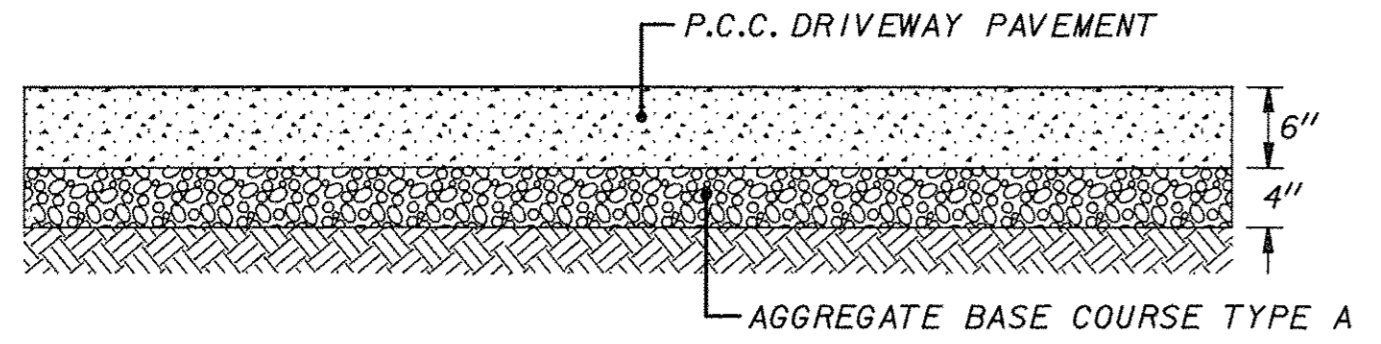
SEALING DETAIL FOR EXPANSION JOINT

NOTE: SEE DETAIL OF REINFORCEMENT FOR PCC PAVEMENT BUENA VISTA STREET FROM STA. 5+68.5 TO STA. 16+16.5, ON SHEET 6.

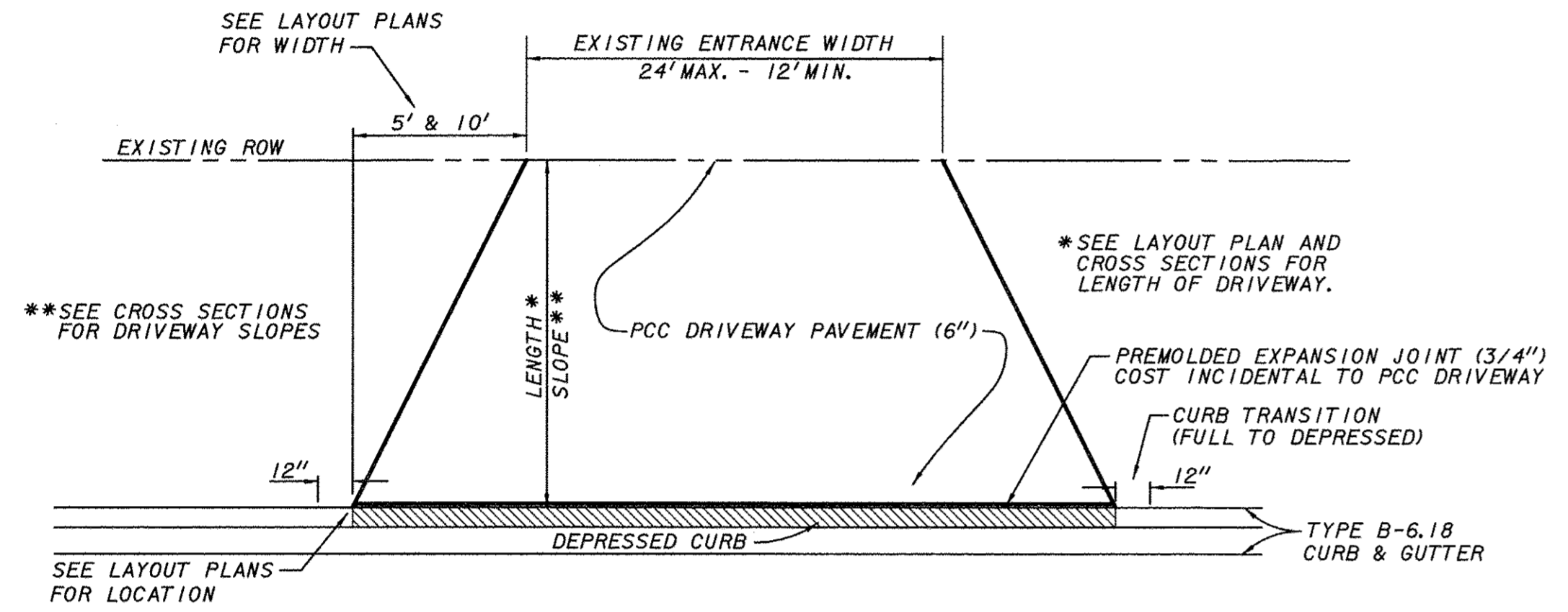


BUENA VISTA STREET IMPROVEMENT BEGINS @ BUENA VISTA STREET BASELINE EXT. STA. 4+30

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	6
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

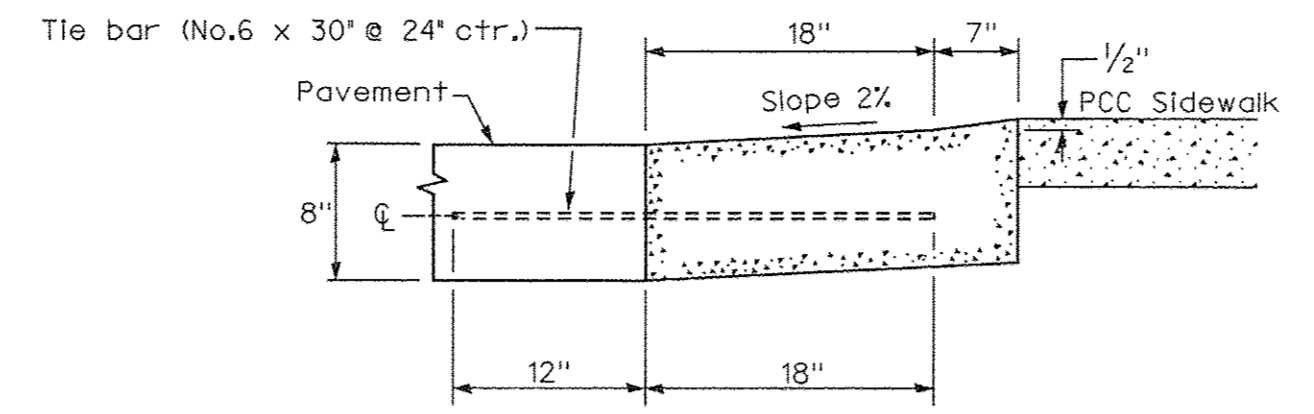


SECTION VIEW

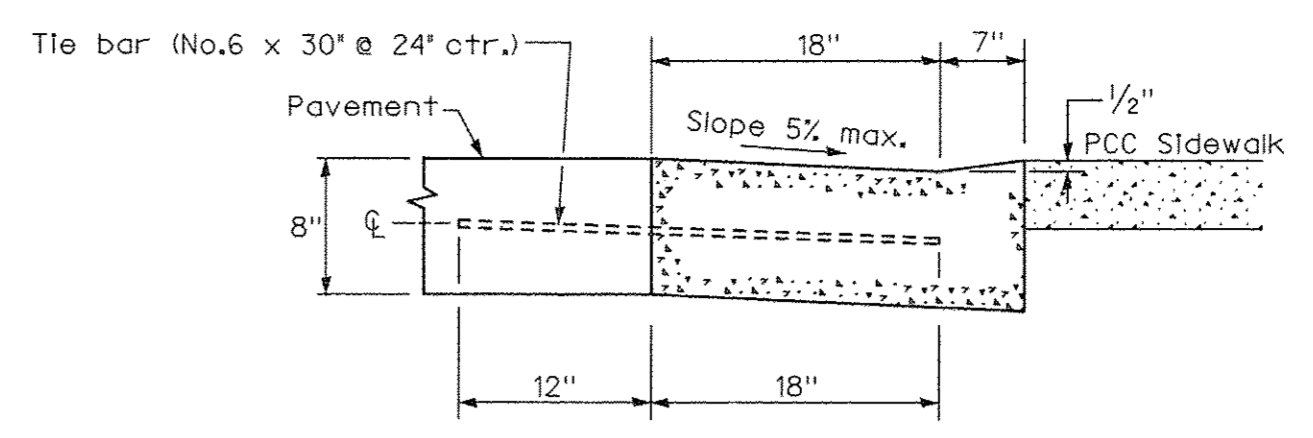


PLAN VIEW

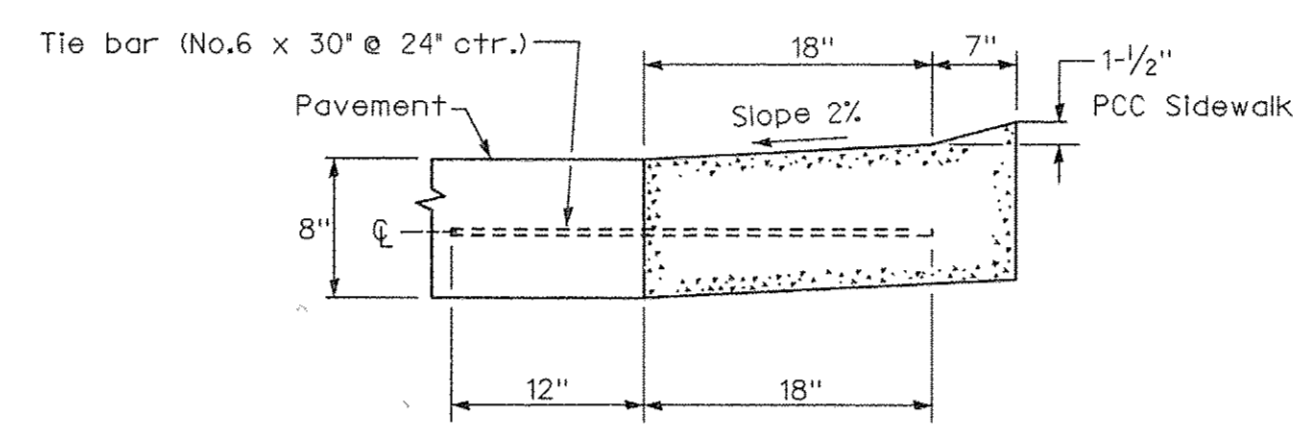
P.C.C. DRIVEWAY PAVEMENT DETAILS
NOT TO SCALE



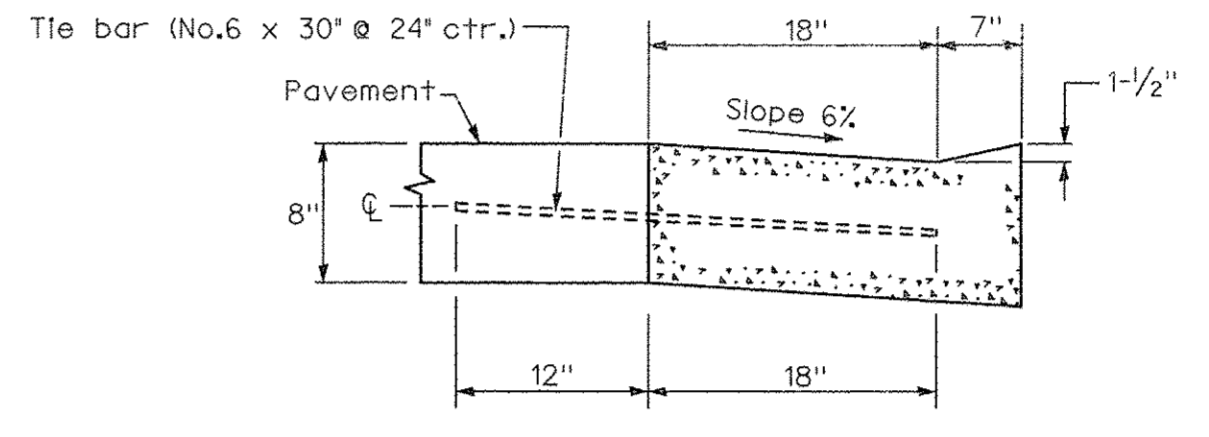
DEPRESSED (DRY CURB)
ADJACENT TO CURB RAMP
ACCESSIBLE TO THE DISABLED



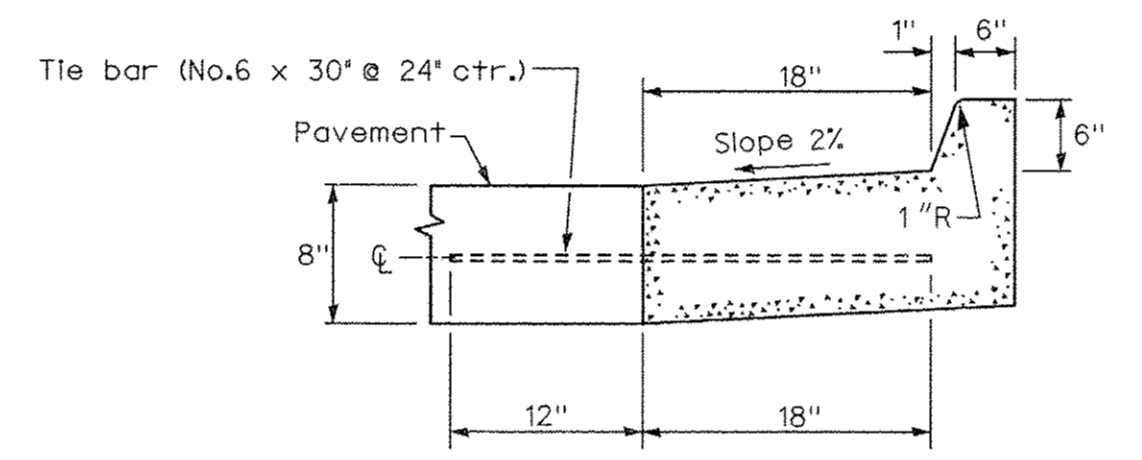
DEPRESSED (WET CURB)
ADJACENT TO CURB RAMP
ACCESSIBLE TO THE DISABLED



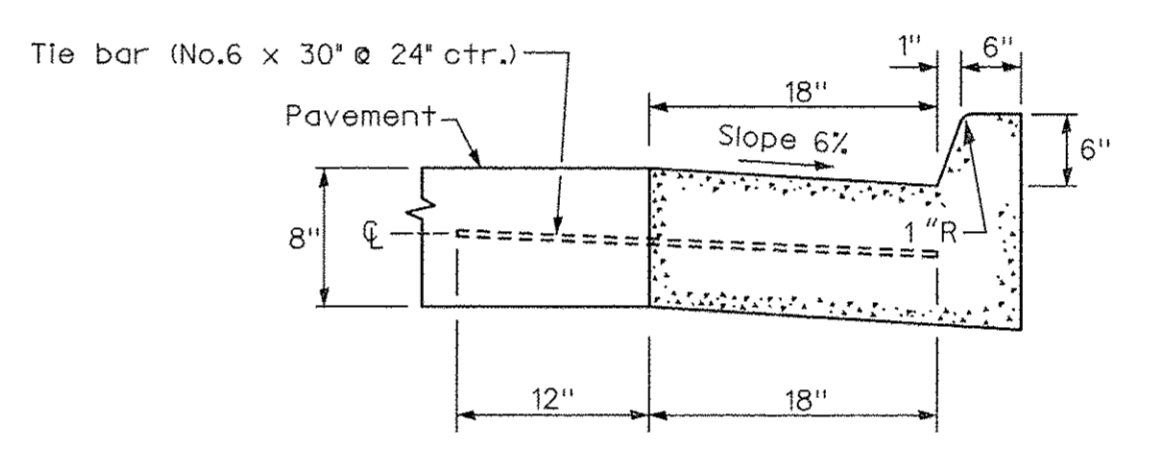
DEPRESSED (DRY CURB)



DEPRESSED (WET CURB)

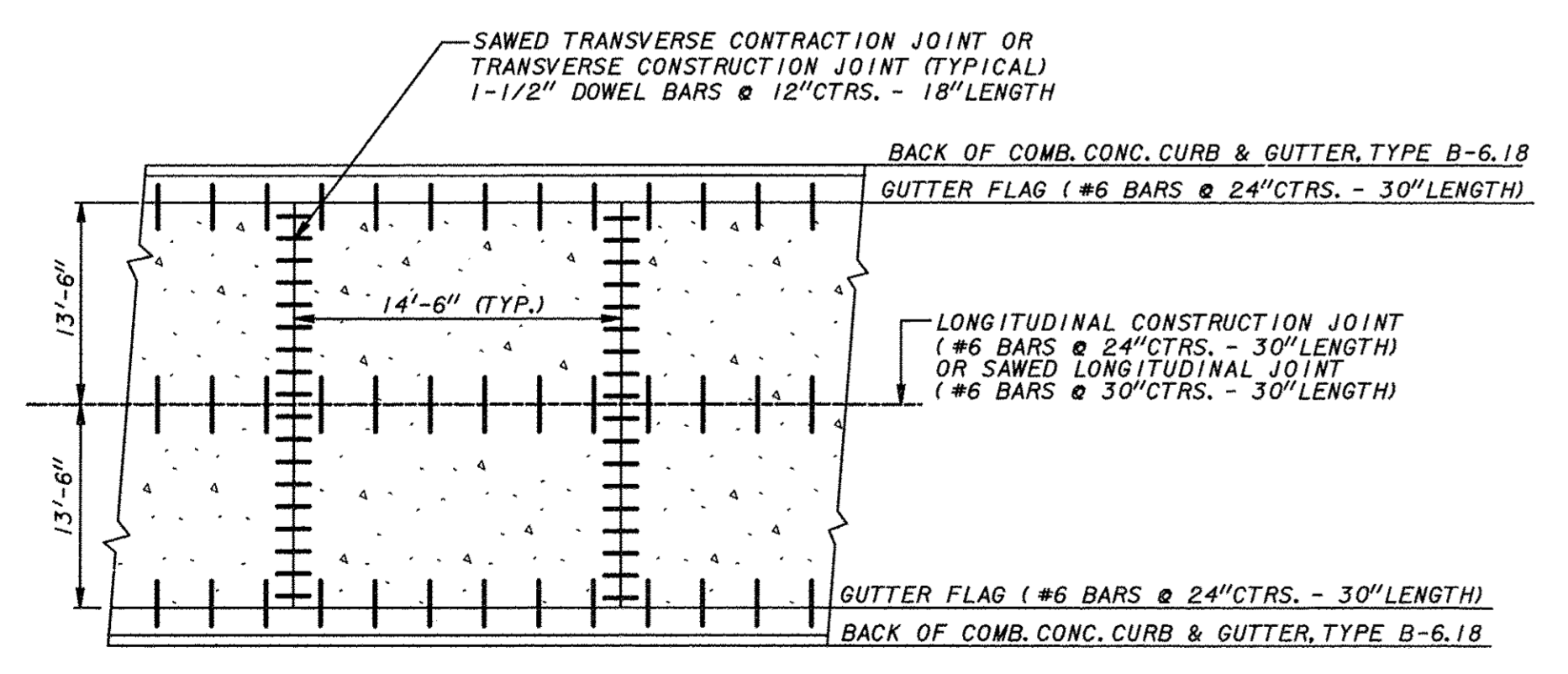


TYPE B-6.18 (DRY CURB)



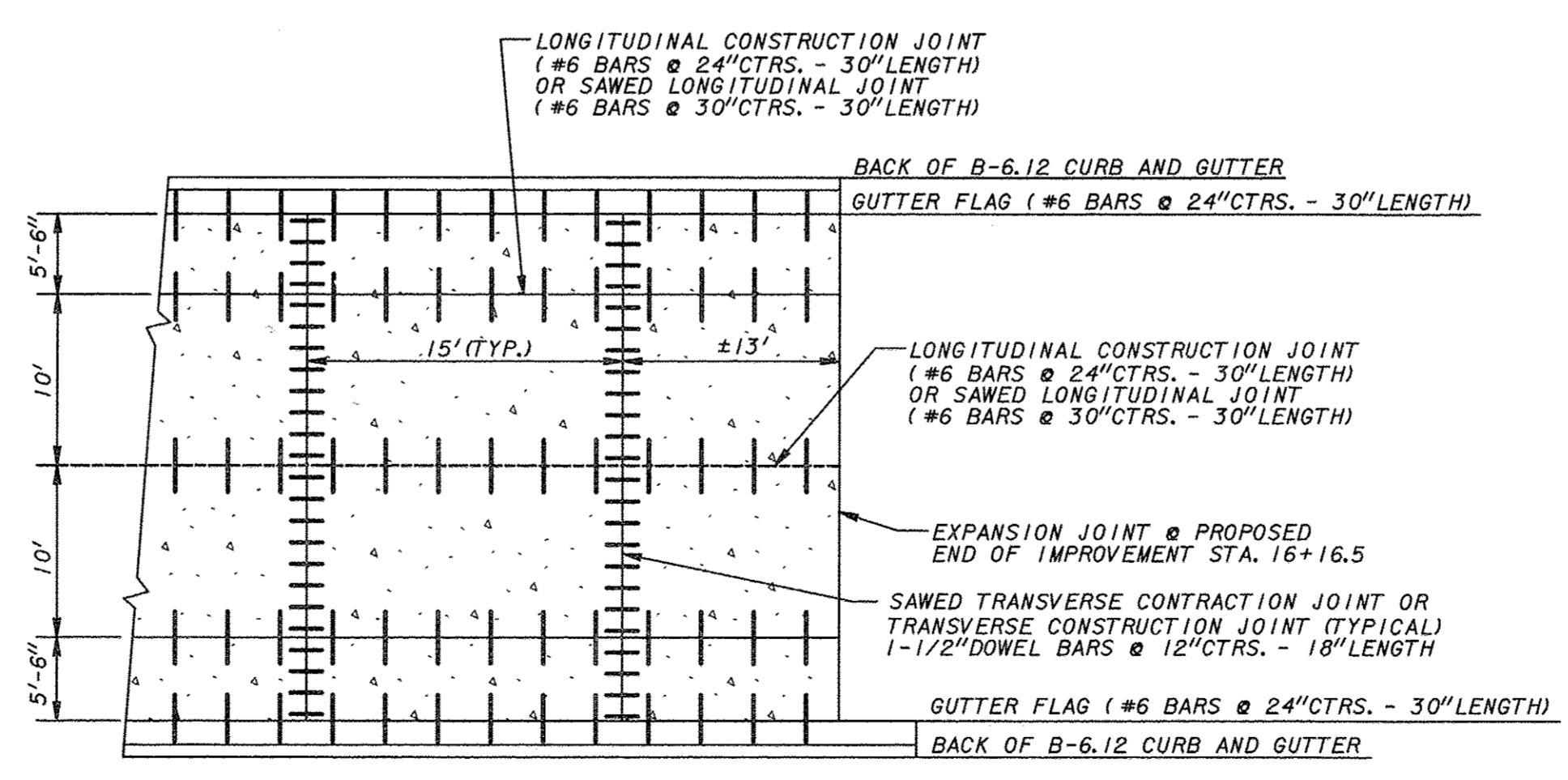
TYPE B-6.18 (WET CURB)

COMBINATION CONCRETE CURB AND GUTTER DETAILS
NOT TO SCALE



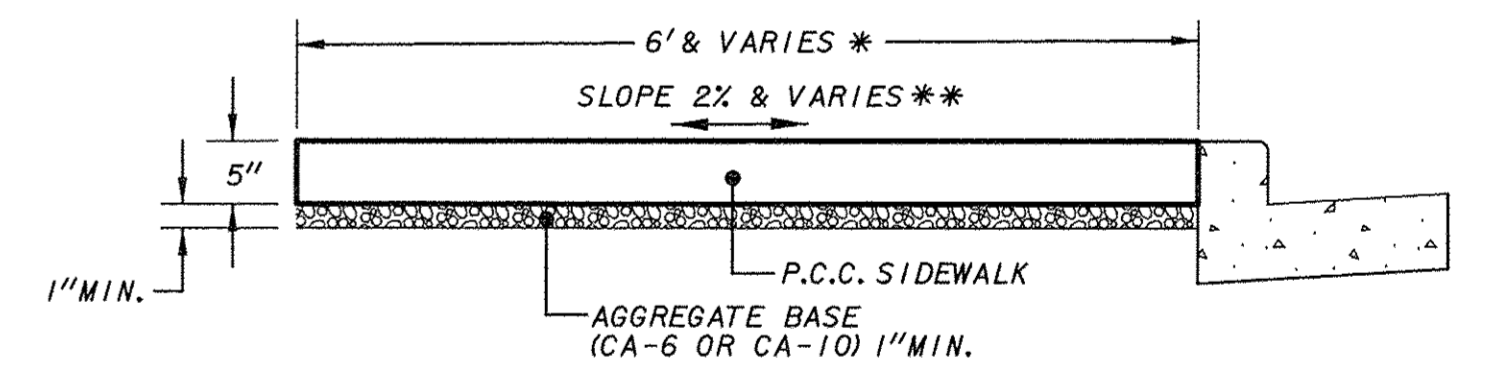
DETAIL OF REINFORCEMENT FOR PCC PAVEMENT
BISSEL STREET FROM STA. 3+72.29 TO STA. 4+88.29
NOT TO SCALE

NOTE: SEE SHEET 5 FOR JOINT DETAILS.
NOTE: TOTAL OF (6) TRANSVERSE JOINTS BETWEEN STA. 3+72.29 AND STA. 4+88.29 INCLUDES EXPANSION JOINT @ STA. 4+30.29.



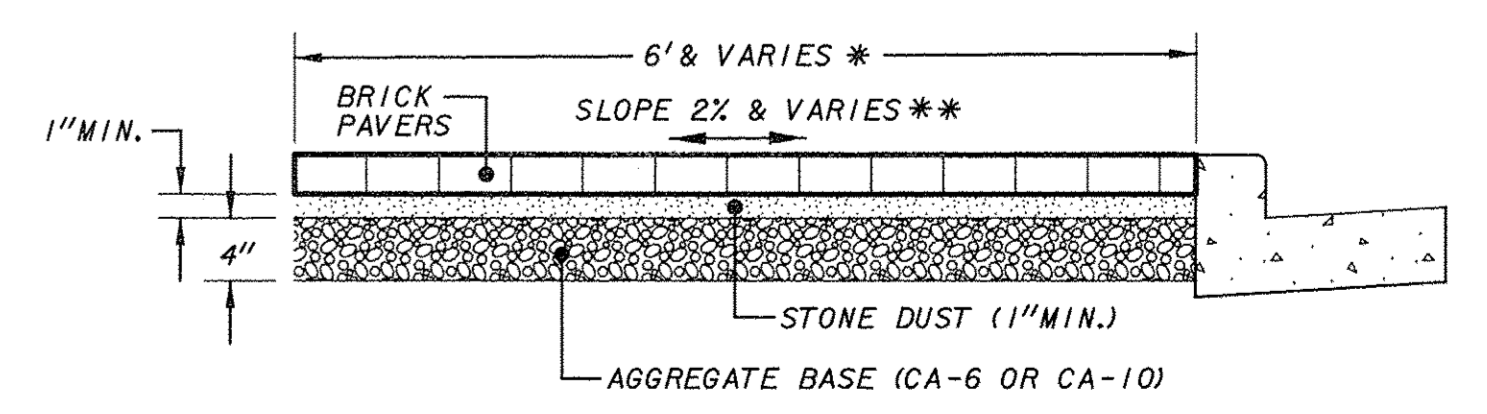
DETAIL OF REINFORCEMENT FOR PCC PAVEMENT
BUENA VISTA STREET FROM STA. 5+68.5 TO STA. 16+16.5
NOT TO SCALE

NOTE: SEE SHEET 5 FOR JOINT DETAILS.
NOTE: TOTAL OF (69) TRANSVERSE JOINTS BETWEEN STA. 5+68.5 AND STA. 16+16.5 INCLUDES EXPANSION JOINTS @ STA. 9+13.5 AND STA. 12+58.5.



PCC SIDEWALK DETAIL
NOT TO SCALE

* SEE LAYOUT PLAN FOR WIDTH OF SIDEWALK.
** SEE CROSS SECTIONS FOR PERCENT AND DIRECTION OF SLOPE.

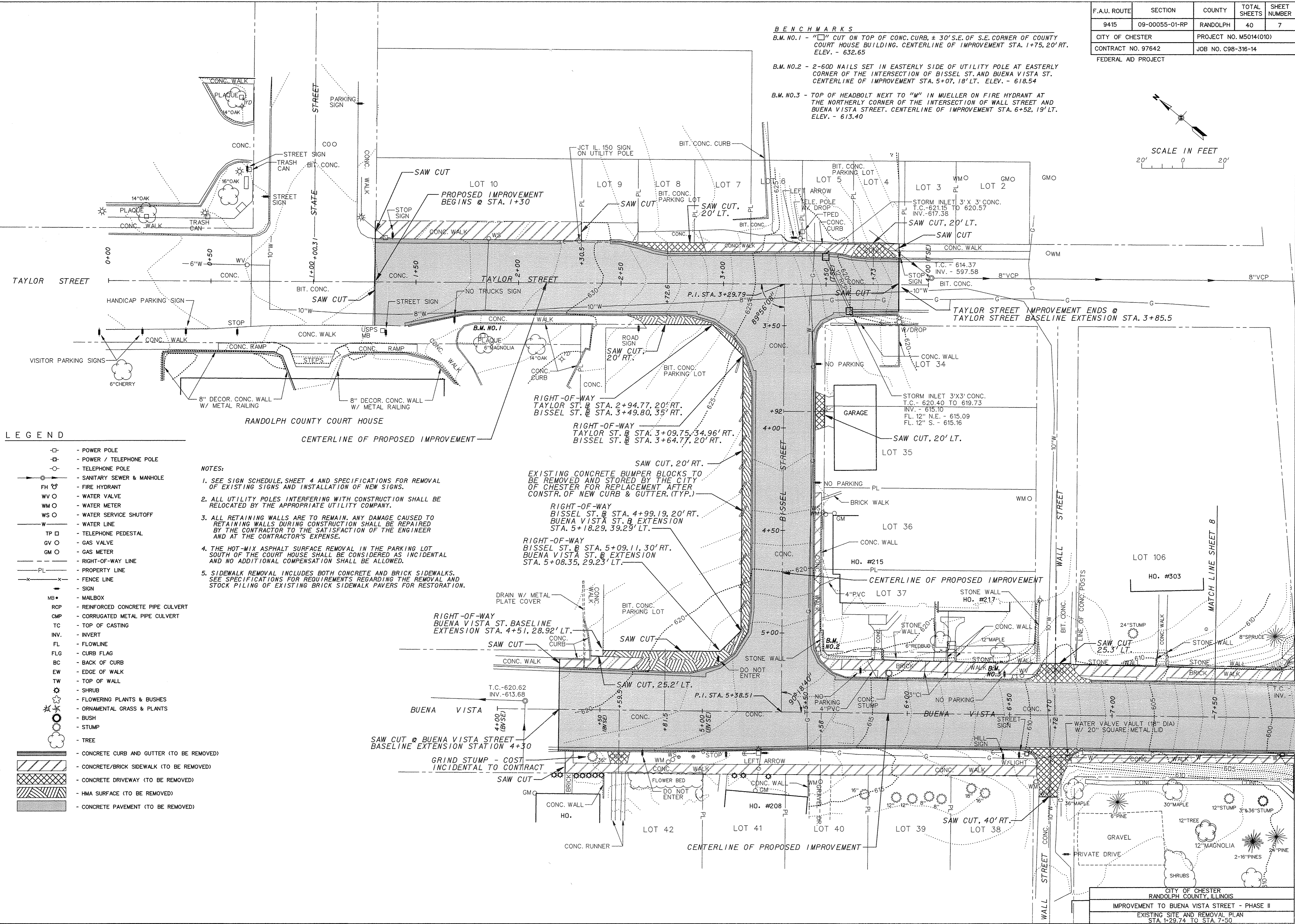
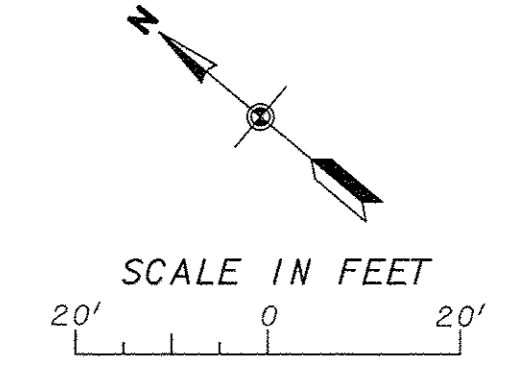


BRICK SIDEWALK DETAIL
NOT TO SCALE

* SEE LAYOUT PLAN FOR WIDTH OF SIDEWALK.
** SEE CROSS SECTIONS FOR PERCENT AND DIRECTION OF SLOPE.

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	7
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

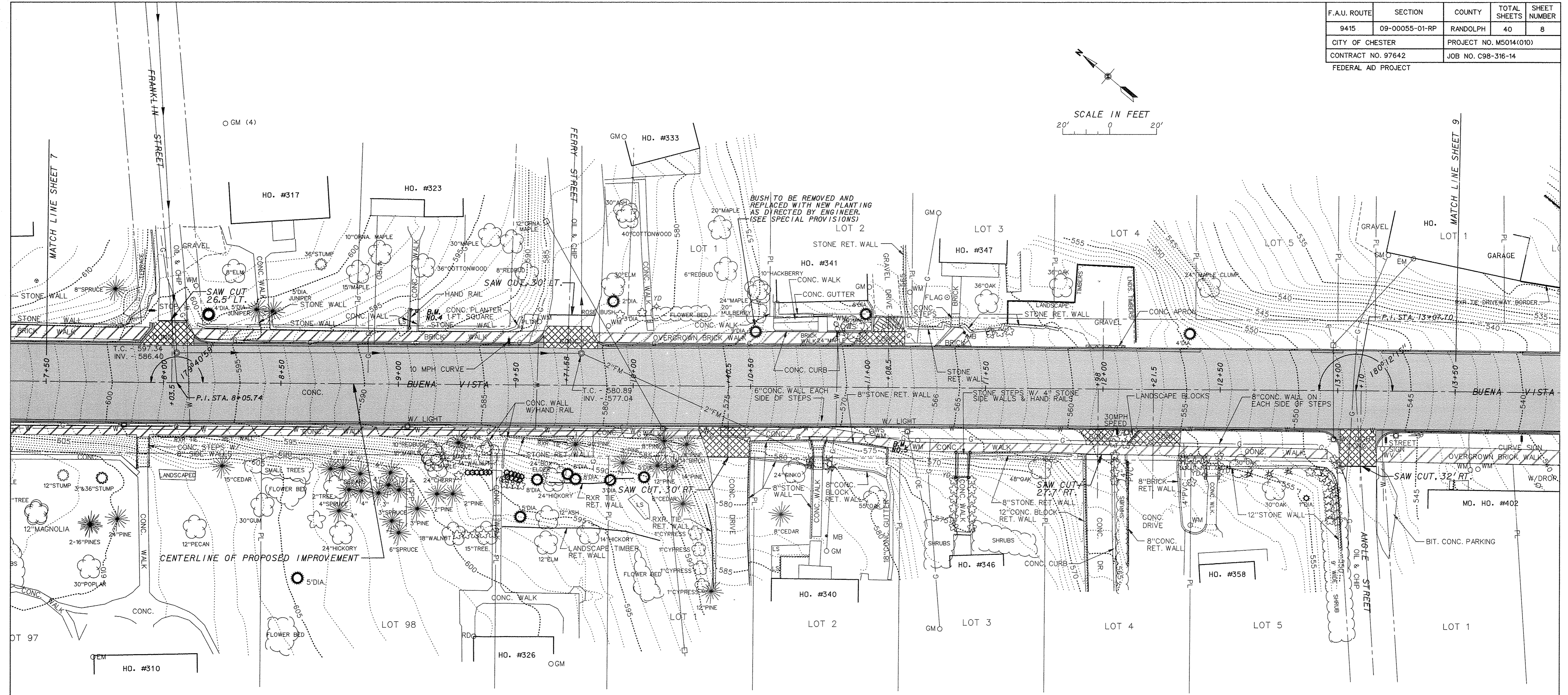
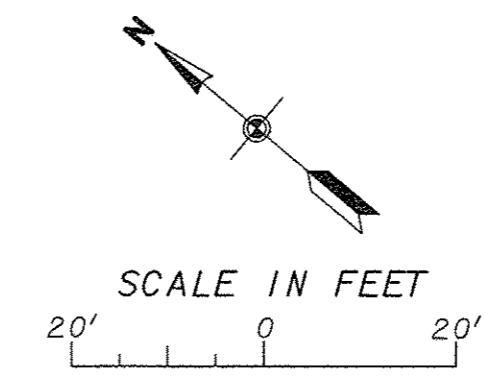
BENCHMARKS
 B.M. NO.1 - 4" CUT ON TOP OF CONC. CURB, ± 30' S.E. OF S.E. CORNER OF COUNTY COURT HOUSE BUILDING. CENTERLINE OF IMPROVEMENT STA. 1+75.20' RT. ELEV. - 632.65
 B.M. NO.2 - 2-600 NAILS SET IN EASTERLY SIDE OF UTILITY POLE AT EASTERLY CORNER OF THE INTERSECTION OF BISSEL ST. AND BUENA VISTA ST. CENTERLINE OF IMPROVEMENT STA. 5+07.18' LT. ELEV. - 618.54
 B.M. NO.3 - TOP OF HEADBOLT NEXT TO "W" IN MUELLER ON FIRE HYDRANT AT THE NORTHERLY CORNER OF THE INTERSECTION OF WALL STREET AND BUENA VISTA STREET. CENTERLINE OF IMPROVEMENT STA. 6+52.19' LT. ELEV. - 613.40



- LEGEND**
- POWER POLE
 - POWER / TELEPHONE POLE
 - TELEPHONE POLE
 - SANITARY SEWER & MANHOLE
 - FH- FIRE HYDRANT
 - WV- WATER VALVE
 - WM- WATER METER
 - WS- WATER SERVICE SHUTOFF
 - W- WATER LINE
 - TP- TELEPHONE PEDESTAL
 - GV- GAS VALVE
 - GM- GAS METER
 - PL- RIGHT-OF-WAY LINE
 - PL- PROPERTY LINE
 - X- FENCE LINE
 - SIGN
 - MB- MAILBOX
 - RCP- REINFORCED CONCRETE PIPE CULVERT
 - CMP- CORRUGATED METAL PIPE CULVERT
 - TC- TOP OF CASTING
 - INV- INVERT
 - FL- FLOWLINE
 - FLG- CURB FLAG
 - BC- BACK OF CURB
 - EW- EDGE OF WALK
 - TW- TOP OF WALL
 - SHRUB
 - FLOWERING PLANTS & BUSHES
 - ORNAMENTAL GRASS & PLANTS
 - BUSH
 - STUMP
 - TREE
 - ▨- CONCRETE CURB AND GUTTER (TO BE REMOVED)
 - ▨- CONCRETE/BRICK SIDEWALK (TO BE REMOVED)
 - ▨- CONCRETE DRIVEWAY (TO BE REMOVED)
 - ▨- HMA SURFACE (TO BE REMOVED)
 - ▨- CONCRETE PAVEMENT (TO BE REMOVED)

- NOTES:**
- SEE SIGN SCHEDULE, SHEET 4 AND SPECIFICATIONS FOR REMOVAL OF EXISTING SIGNS AND INSTALLATION OF NEW SIGNS.
 - ALL UTILITY POLES INTERFERING WITH CONSTRUCTION SHALL BE RELOCATED BY THE APPROPRIATE UTILITY COMPANY.
 - ALL RETAINING WALLS ARE TO REMAIN. ANY DAMAGE CAUSED TO RETAINING WALLS DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE.
 - THE HOT-MIX ASPHALT SURFACE REMOVAL IN THE PARKING LOT SOUTH OF THE COURT HOUSE SHALL BE CONSIDERED AS INCIDENTAL AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
 - SIDEWALK REMOVAL INCLUDES BOTH CONCRETE AND BRICK SIDEWALKS. SEE SPECIFICATIONS FOR REQUIREMENTS REGARDING THE REMOVAL AND STOCK PILING OF EXISTING BRICK SIDEWALK PAVERS FOR RESTORATION.

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	8
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				



LEGEND

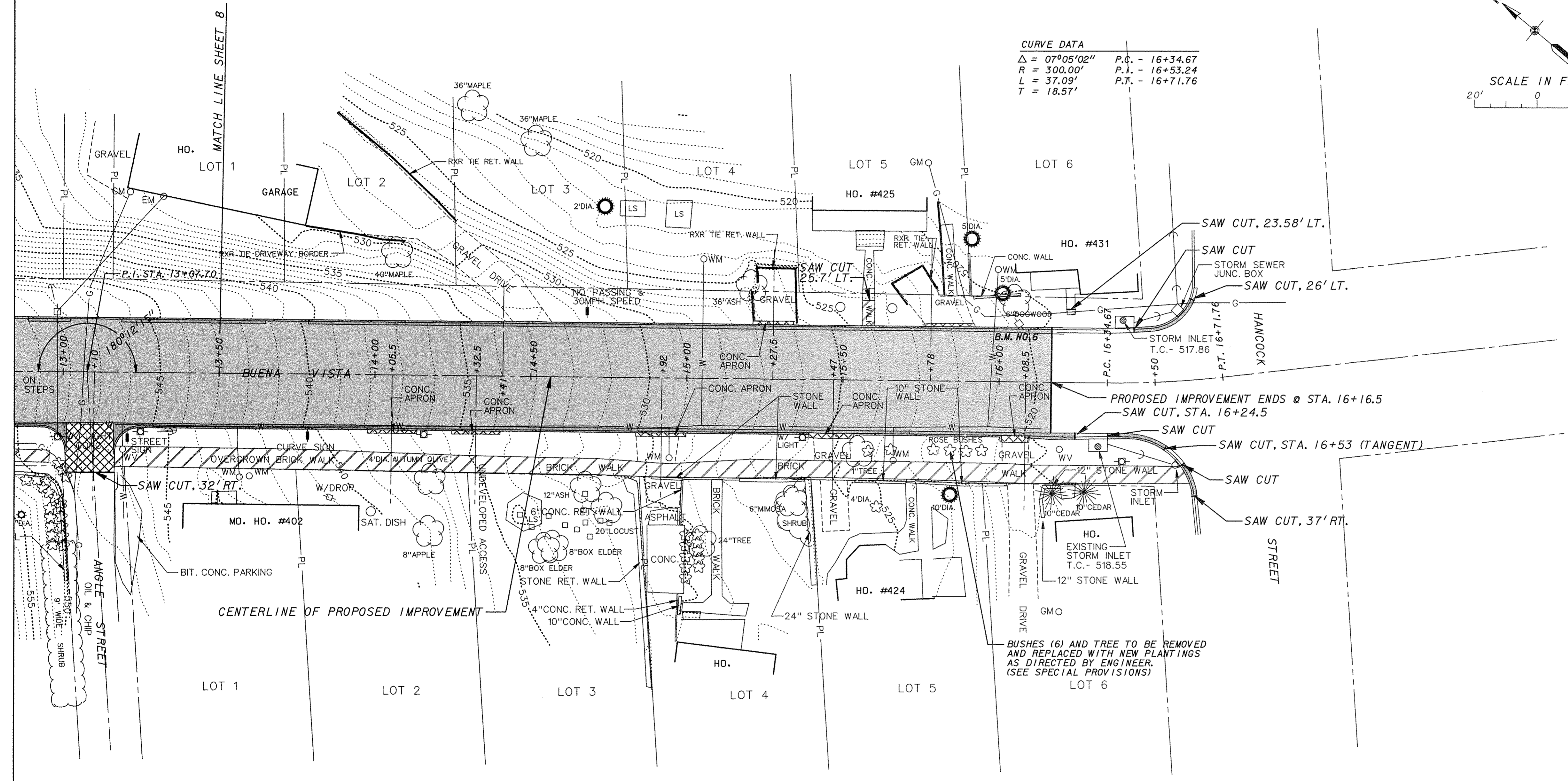
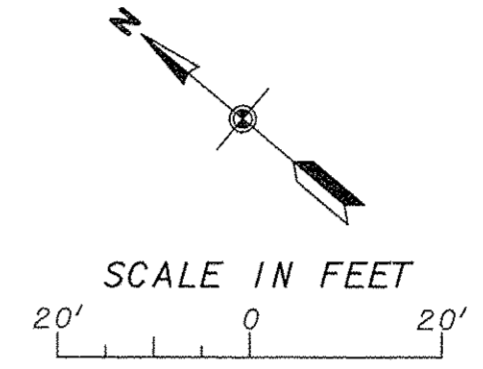
□	- POWER POLE	INV.	- INVERT
□	- POWER / TELEPHONE POLE	FL	- FLOWLINE
○	- TELEPHONE POLE	FLG	- CURB FLAG
○	- SANITARY SEWER & MANHOLE	BC	- BACK OF CURB
FH	- FIRE HYDRANT	EW	- EDGE OF WALK
WV	- WATER VALVE	TW	- TOP OF WALL
WM	- WATER METER	○	- SHRUB
WS	- WATER SERVICE SHUTOFF	○	- FLOWERING PLANTS & BUSHES
W	- WATER LINE	○	- ORNAMENTAL GRASS & PLANTS
TP	- TELEPHONE PEDESTAL	○	- BUSH
GV	- GAS VALVE	○	- STUMP
GM	- GAS METER	○	- TREE
---	- RIGHT-OF-WAY LINE	---	- CONCRETE CURB AND GUTTER (TO BE REMOVED)
---	- PROPERTY LINE	---	- CONCRETE/BRICK SIDEWALK (TO BE REMOVED)
---	- FENCE LINE	---	- CONCRETE DRIVEWAY (TO BE REMOVED)
---	- SIGN	---	- HMA SURFACE (TO BE REMOVED)
MB	- MAILBOX	---	- CONCRETE PAVEMENT (TO BE REMOVED)
RCP	- REINFORCED CONCRETE PIPE CULVERT		
CMP	- CORRUGATED METAL PIPE CULVERT		
TC	- TOP OF CASTING		

- NOTES:**
- SEE SIGN SCHEDULE, SHEET 4 AND SPECIFICATIONS FOR REMOVAL OF EXISTING SIGNS AND INSTALLATION OF NEW SIGNS.
 - ALL UTILITY POLES INTERFERING WITH CONSTRUCTION SHALL BE RELOCATED BY THE APPROPRIATE UTILITY COMPANY.
 - ALL RETAINING WALLS ARE TO REMAIN. ANY DAMAGE CAUSED TO RETAINING WALLS DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE.
 - THE HOT-MIX ASPHALT SURFACE REMOVAL IN THE PARKING LOT SOUTH OF THE COURT HOUSE SHALL BE CONSIDERED AS INCIDENTAL AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
 - SIDEWALK REMOVAL INCLUDES BOTH CONCRETE AND BRICK SIDEWALKS. SEE SPECIFICATIONS FOR REQUIREMENTS REGARDING THE REMOVAL AND STOCK PILING OF EXISTING BRICK SIDEWALK PAVERS FOR RESTORATION.

- BENCHMARKS**
- B.M. NO.3 - TOP OF HEADBOLT NEXT TO "W" IN MUELLER ON FIRE HYDRANT AT THE NORTHERLY CORNER OF THE INTERSECTION OF WALL STREET AND BUENA VISTA STREET. CENTERLINE OF IMPROVEMENT STA. 6+52, 19' LT. ELEV. - 613.40
 - B.M. NO.4 - "I" CUT ON TOP CORNER OF CONC. STEP TO HOUSE ADDRESS NO. 323 ON EASTERLY SIDE OF BUENA VISTA ST., ± 65' NORTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 9+08, 32' LT. ELEV. - 594.34
 - B.M. NO.5 - "I" CUT ON TOP CORNER OF STONE RET. WALL TO HOUSE ADDRESS NO. 340 ON WESTERLY SIDE OF BUENA VISTA ST., ± 140' SOUTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 11+09, 25' RT. ELEV. - 574.58

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	9
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

CURVE DATA
 $\Delta = 07^{\circ}05'02''$ P.C. - 16+34.67
 $R = 300.00'$ P.I. - 16+53.24
 $L = 37.09'$ P.T. - 16+71.76
 $T = 18.57'$



LEGEND

- □ - POWER POLE
- □ - POWER / TELEPHONE POLE
- ○ - TELEPHONE POLE
- ○ - SANITARY SEWER & MANHOLE
- FH ○ - FIRE HYDRANT
- WV ○ - WATER VALVE
- WM ○ - WATER METER
- WS ○ - WATER SERVICE SHUTOFF
- W - WATER LINE
- TP □ - TELEPHONE PEDESTAL
- GV ○ - GAS VALVE
- GM ○ - GAS METER
- --- - RIGHT-OF-WAY LINE
- PL - PROPERTY LINE
- x-x - FENCE LINE
- ● - SIGN
- MB ● - MAILBOX
- RCP - REINFORCED CONCRETE PIPE CULVERT
- CMP - CORRUGATED METAL PIPE CULVERT
- TC - TOP OF CASTING
- INV. - INVERT
- FL - FLOWLINE
- FLG - CURB FLAG
- BC - BACK OF CURB
- EW - EDGE OF WALK
- TW - TOP OF WALL
- * - SHRUB
- * - FLOWERING PLANTS & BUSHES
- * - ORNAMENTAL GRASS & PLANTS
- * - BUSH
- * - STUMP
- * - TREE
- [Hatched] - CONCRETE CURB AND GUTTER (TO BE REMOVED)
- [Diagonal Hatched] - CONCRETE/BRICK SIDEWALK (TO BE REMOVED)
- [Cross-hatched] - CONCRETE DRIVEWAY (TO BE REMOVED)
- [Dotted] - HMA SURFACE (TO BE REMOVED)
- [Solid Grey] - CONCRETE PAVEMENT (TO BE REMOVED)

NOTES:

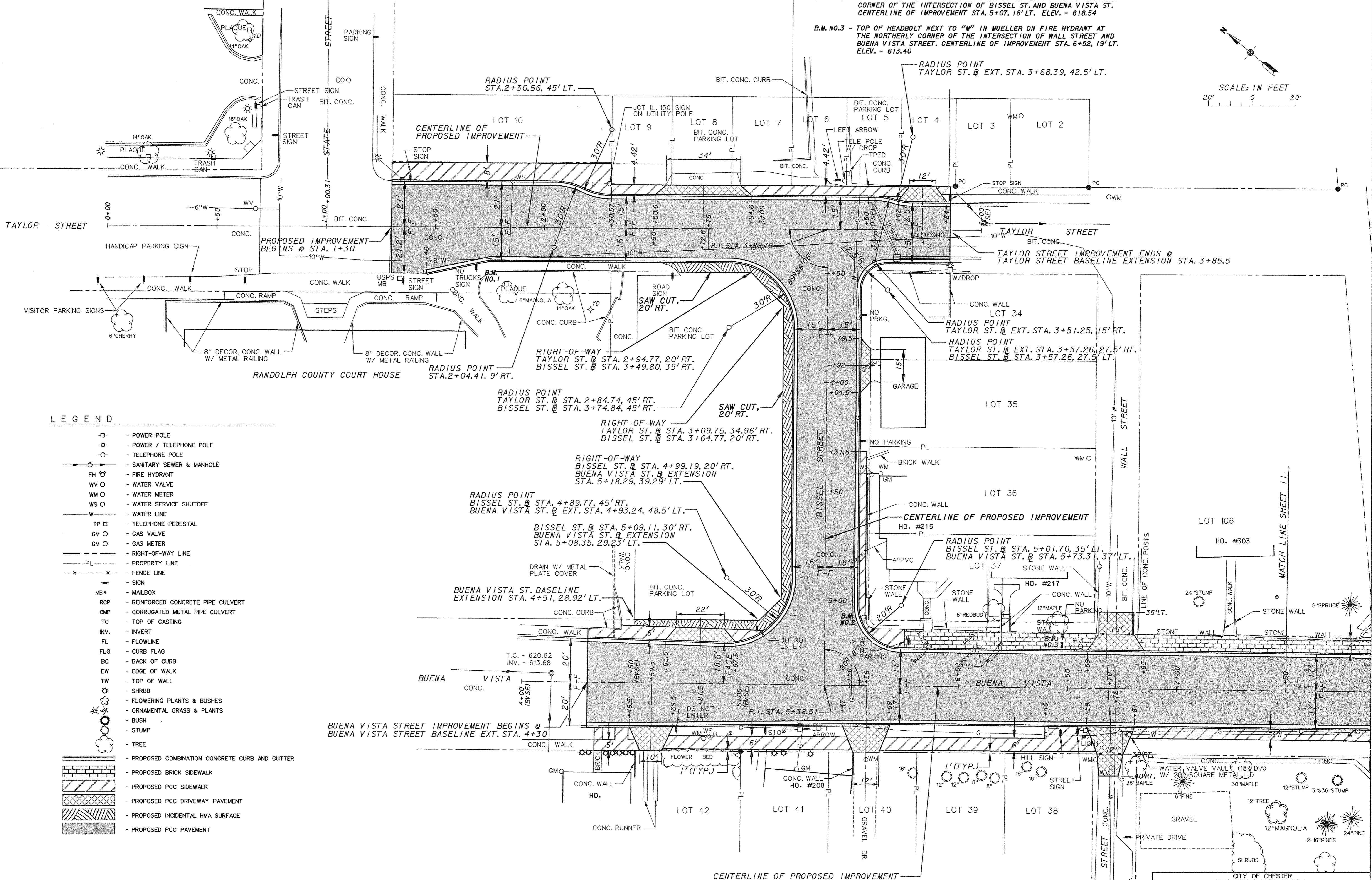
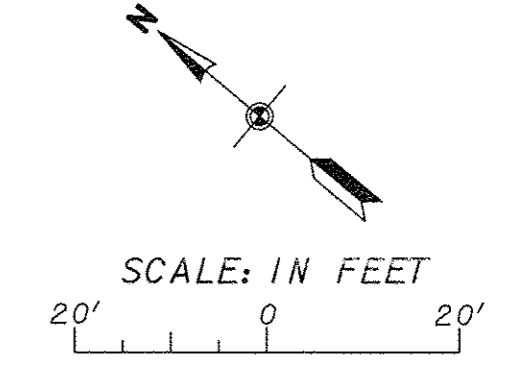
1. SEE SIGN SCHEDULE, SHEET 4 AND SPECIFICATIONS FOR REMOVAL OF EXISTING SIGNS AND INSTALLATION OF NEW SIGNS.
2. ALL UTILITY POLES INTERFERING WITH CONSTRUCTION SHALL BE RELOCATED BY THE APPROPRIATE UTILITY COMPANY.
3. ALL RETAINING WALLS ARE TO REMAIN. ANY DAMAGE CAUSED TO RETAINING WALLS DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE.
4. THE HOT-MIX ASPHALT SURFACE REMOVAL IN THE PARKING LOT SOUTH OF THE COURT HOUSE SHALL BE CONSIDERED AS INCIDENTAL AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
5. SIDEWALK REMOVAL INCLUDES BOTH CONCRETE AND BRICK SIDEWALKS. SEE SPECIFICATIONS FOR REQUIREMENTS REGARDING THE REMOVAL AND STOCK PILING OF EXISTING BRICK SIDEWALK PAVERS FOR RESTORATION.

BENCHMARKS

- B.M. NO. 4 - "I" CUT ON TOP CORNER OF CONC. STEP TO HOUSE ADDRESS NO. 323 ON EASTERLY SIDE OF BUENA VISTA ST., ± 65' NORTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 9+08, 32' LT. ELEV. - 594.34
- B.M. NO. 5 - "I" CUT ON TOP CORNER OF STONE RET. WALL TO HOUSE ADDRESS NO. 340 ON WESTERLY SIDE OF BUENA VISTA ST., ± 140' SOUTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 11+09, 25' RT. ELEV. - 574.58
- B.M. NO. 6 - 2-60D NAILS SET IN WESTERLY SIDE OF POWER POLE ON EASTERLY SIDE OF BUENA VISTA STREET ± 75' NORTH OF HANCOCK STREET. CENTERLINE OF IMPROVEMENT STA. 16+08, 18' LT. ELEV. - 521.41

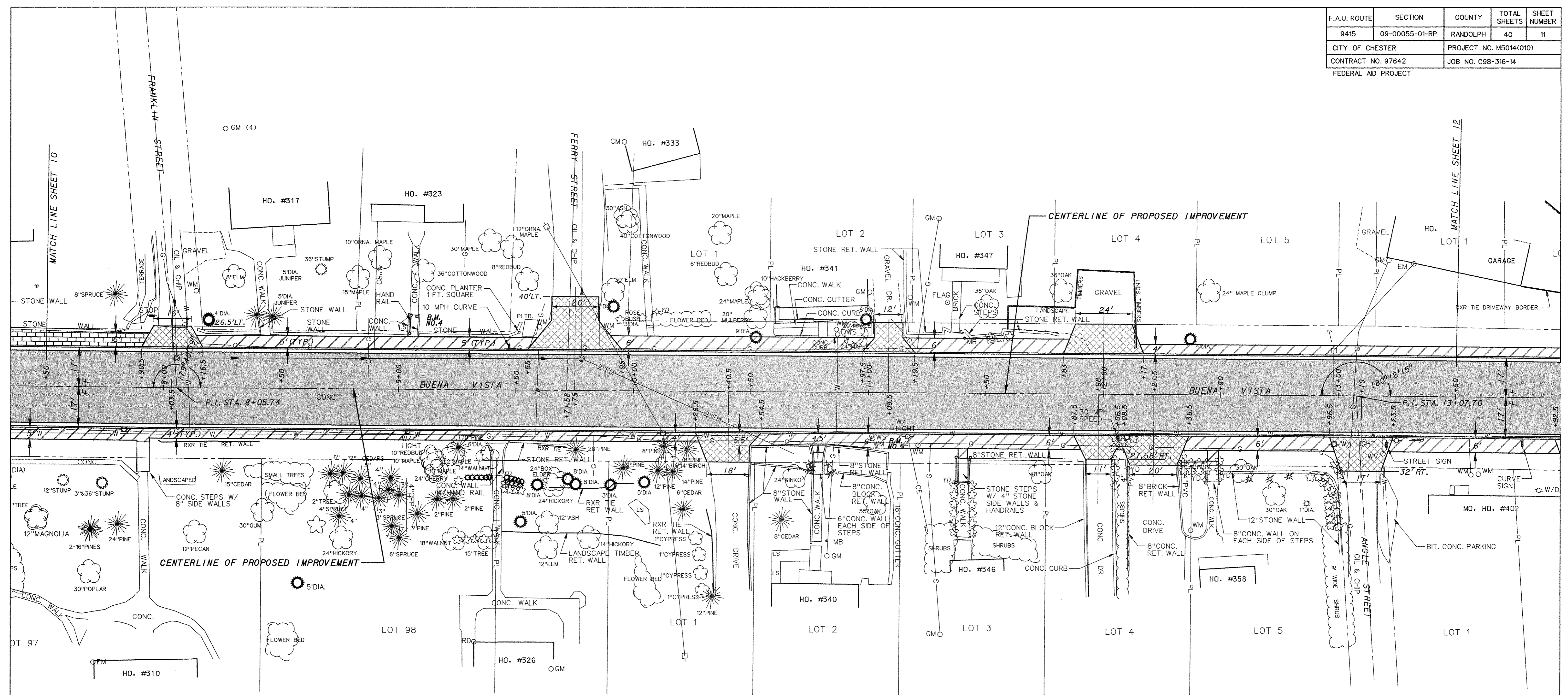
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	10
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

BENCHMARKS
 B.M. NO.1 - 1/4" CUT ON TOP OF CONC. CURB, ± 30' S.E. OF S.E. CORNER OF COUNTY COURT HOUSE BUILDING. CENTERLINE OF IMPROVEMENT STA. 1+75, 20' RT. ELEV. - 632.65
 B.M. NO.2 - 2-60D NAILS SET IN EASTERLY SIDE OF UTILITY POLE AT EASTERLY CORNER OF THE INTERSECTION OF BISSEL ST. AND BUENA VISTA ST. CENTERLINE OF IMPROVEMENT STA. 5+07, 18' LT. ELEV. - 618.54
 B.M. NO.3 - TOP OF HEADBOLT NEXT TO "W" IN MUELLER ON FIRE HYDRANT AT THE NORTHERLY CORNER OF THE INTERSECTION OF WALL STREET AND BUENA VISTA STREET. CENTERLINE OF IMPROVEMENT STA. 6+52, 19' LT. ELEV. - 613.40



- LEGEND**
- POWER POLE
 - POWER / TELEPHONE POLE
 - TELEPHONE POLE
 - SANITARY SEWER & MANHOLE
 - FH ○ - FIRE HYDRANT
 - WV ○ - WATER VALVE
 - WM ○ - WATER METER
 - WS ○ - WATER SERVICE SHUTOFF
 - WATER LINE
 - TP □ - TELEPHONE PEDESTAL
 - GV ○ - GAS VALVE
 - GM ○ - GAS METER
 - RIGHT-OF-WAY LINE
 - PROPERTY LINE
 - FENCE LINE
 - SIGN
 - MB • - MAILBOX
 - RCP - REINFORCED CONCRETE PIPE CULVERT
 - CMP - CORRUGATED METAL PIPE CULVERT
 - TC - TOP OF CASTING
 - INV. - INVERT
 - FL - FLOWLINE
 - FLG - CURB FLAG
 - BC - BACK OF CURB
 - EW - EDGE OF WALK
 - TW - TOP OF WALL
 - SHRUB
 - FLOWERING PLANTS & BUSHES
 - ORNAMENTAL GRASS & PLANTS
 - BUSH
 - STUMP
 - TREE
 - PROPOSED COMBINATION CONCRETE CURB AND GUTTER
 - PROPOSED BRICK SIDEWALK
 - PROPOSED PCC SIDEWALK
 - PROPOSED PCC DRIVEWAY PAVEMENT
 - PROPOSED INCIDENTAL HMA SURFACE
 - PROPOSED PCC PAVEMENT

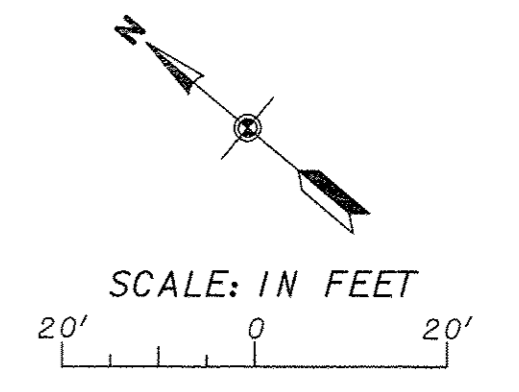
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	11
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				



LEGEND

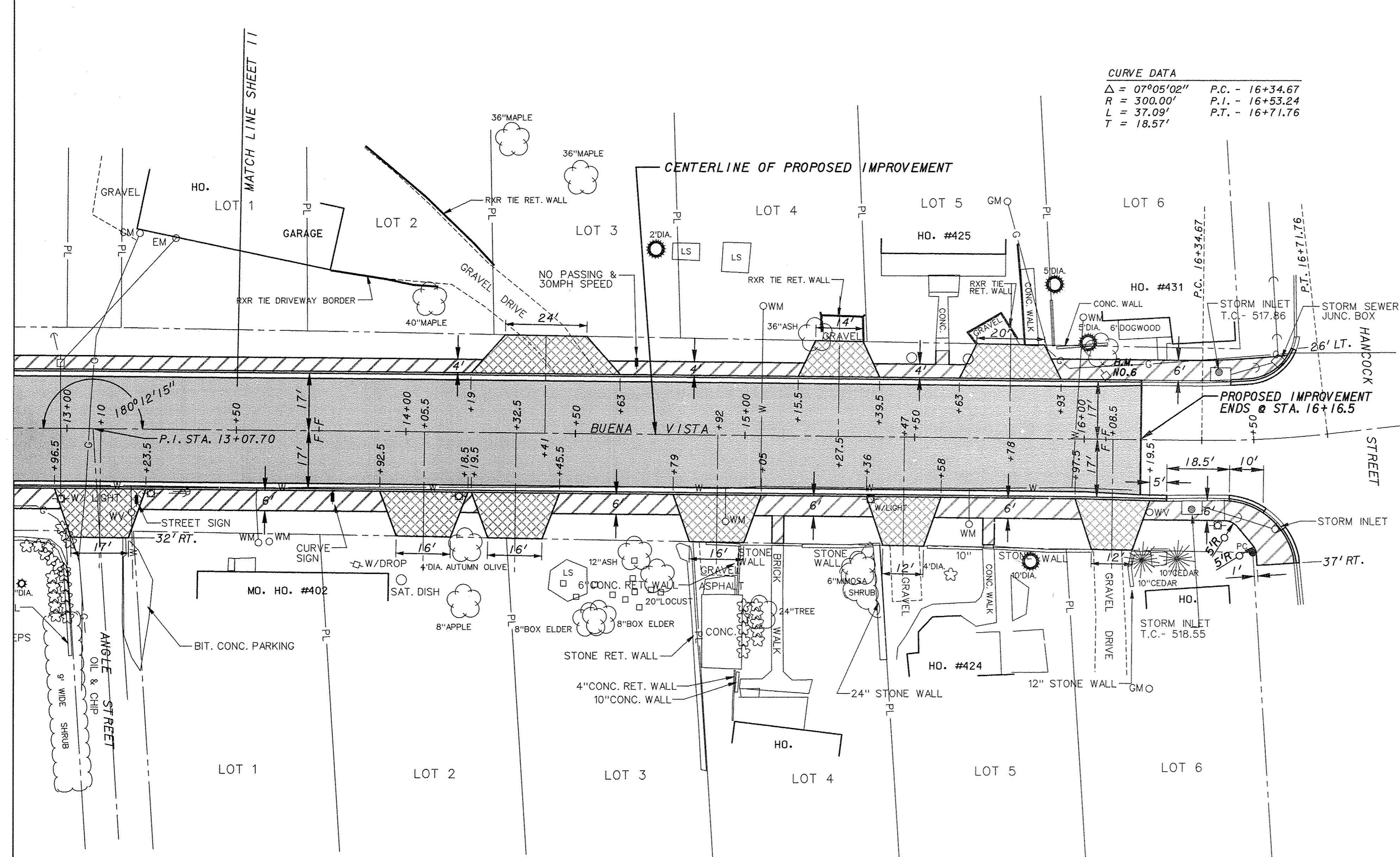
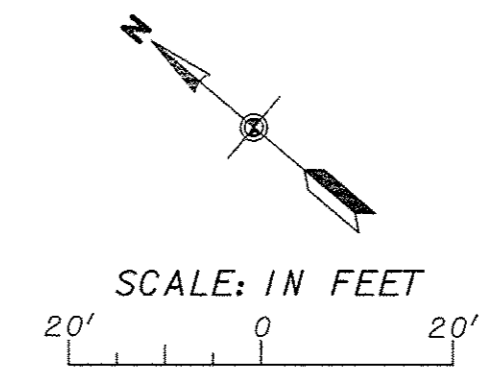
- | | |
|---|---|
| <ul style="list-style-type: none"> □ - POWER POLE □ - POWER / TELEPHONE POLE ○ - TELEPHONE POLE ○ - SANITARY SEWER & MANHOLE FH - FIRE HYDRANT WV - WATER VALVE WM - WATER METER WS - WATER SERVICE SHUTOFF W - WATER LINE TP - TELEPHONE PEDESTAL GV - GAS VALVE GM - GAS METER - - - - - RIGHT-OF-WAY LINE PL - PROPERTY LINE - - - - - FENCE LINE MB - MAILBOX RCP - REINFORCED CONCRETE PIPE CULVERT CMP - CORRUGATED METAL PIPE CULVERT TC - TOP OF CASTING | <ul style="list-style-type: none"> INV. - INVERT FL - FLOWLINE FLG - CURB FLAG BC - BACK OF CURB EW - EDGE OF WALK TW - TOP OF WALL SHRUB - SHRUB FLOR - FLOWERING PLANTS & BUSHES ORNA - ORNAMENTAL GRASS & PLANTS BUSH - BUSH STUMP - STUMP TREE - TREE CONC - PROPOSED COMBINATION CONCRETE CURB AND GUTTER BRICK - PROPOSED BRICK SIDEWALK SIGN - SIGN PCC - PROPOSED PCC SIDEWALK DRIVE - PROPOSED PCC DRIVEWAY PAVEMENT PAV - PROPOSED PCC PAVEMENT |
|---|---|

- BENCHMARKS**
- B.M. NO.3 - TOP OF HEADBOLT NEXT TO "M" IN MUELLER ON FIRE HYDRANT AT THE NORTHERLY CORNER OF THE INTERSECTION OF WALL STREET AND BUENA VISTA STREET. CENTERLINE OF IMPROVEMENT STA. 6+52, 19' LT. ELEV. - 613.40
 - B.M. NO.4 - "I" CUT ON TOP CORNER OF CONC. STEP TO HOUSE ADDRESS NO. 323 ON EASTERLY SIDE OF BUENA VISTA ST., ± 65' NORTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 9+08, 32' LT. ELEV. - 594.34
 - B.M. NO.5 - "I" CUT ON TOP CORNER OF STONE RET. WALL TO HOUSE ADDRESS NO. 340 ON WESTERLY SIDE OF BUENA VISTA ST., ± 140' SOUTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 11+09, 25' RT. ELEV. - 574.58



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	12
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

CURVE DATA
 $\Delta = 07^{\circ}05'02''$ P.C. - 16+34.67
 $R = 300.00'$ P.I. - 16+53.24
 $L = 37.09'$ P.T. - 16+71.76
 $T = 18.57'$



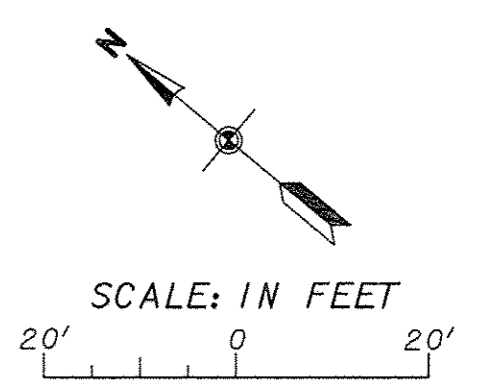
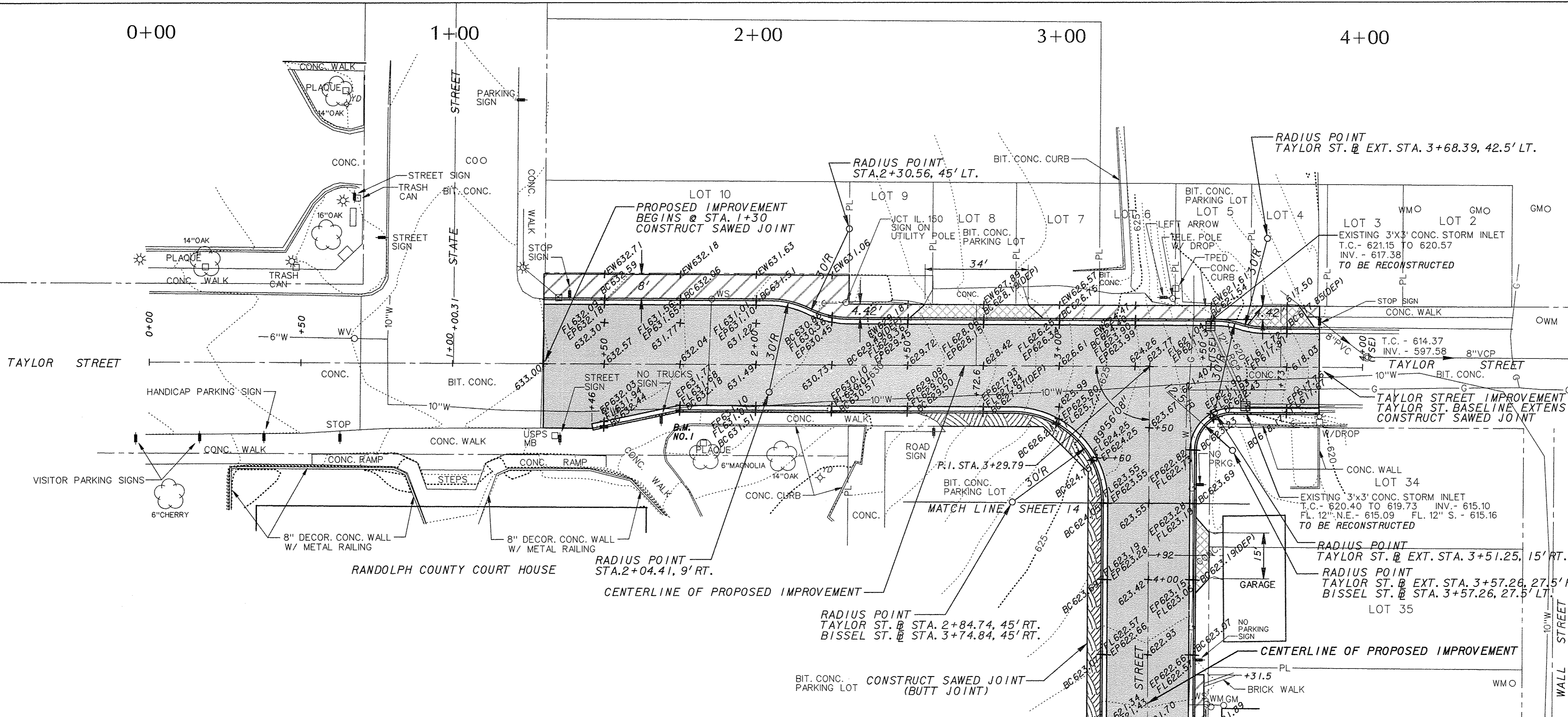
NOTE:
 COMBINATION CONCRETE CURB & GUTTER
 TRANSITION FROM TYPE B-6.18 @ STA. 16+00
 TO TYPE B-6.12 @ STA. 16+16.5 BOTH LEFT
 AND RIGHT OF CENTERLINE.

LEGEND

	- POWER POLE
	- POWER / TELEPHONE POLE
	- TELEPHONE POLE
	- SANITARY SEWER & MANHOLE
	- FIRE HYDRANT
	- WATER VALVE
	- WATER METER
	- WATER SERVICE SHUTOFF
	- WATER LINE
	- TELEPHONE PEDESTAL
	- GAS VALVE
	- GAS METER
	- RIGHT-OF-WAY LINE
	- PROPERTY LINE
	- FENCE LINE
	- SIGN
	- MAILBOX
	- REINFORCED CONCRETE PIPE CULVERT
	- CORRUGATED METAL PIPE CULVERT
	- TOP OF CASTING
	- INVERT
	- FLOWLINE
	- CURB FLAG
	- BACK OF CURB
	- EDGE OF WALK
	- TOP OF WALK
	- SHRUB
	- FLOWERING PLANTS & BUSHES
	- ORNAMENTAL GRASS & PLANTS
	- BUSH
	- STUMP
	- TREE
	- PROPOSED COMBINATION CONCRETE CURB AND GUTTER
	- PROPOSED BRICK SIDEWALK
	- PROPOSED PCC SIDEWALK
	- PROPOSED PCC DRIVEWAY PAVEMENT
	- PROPOSED PCC PAVEMENT

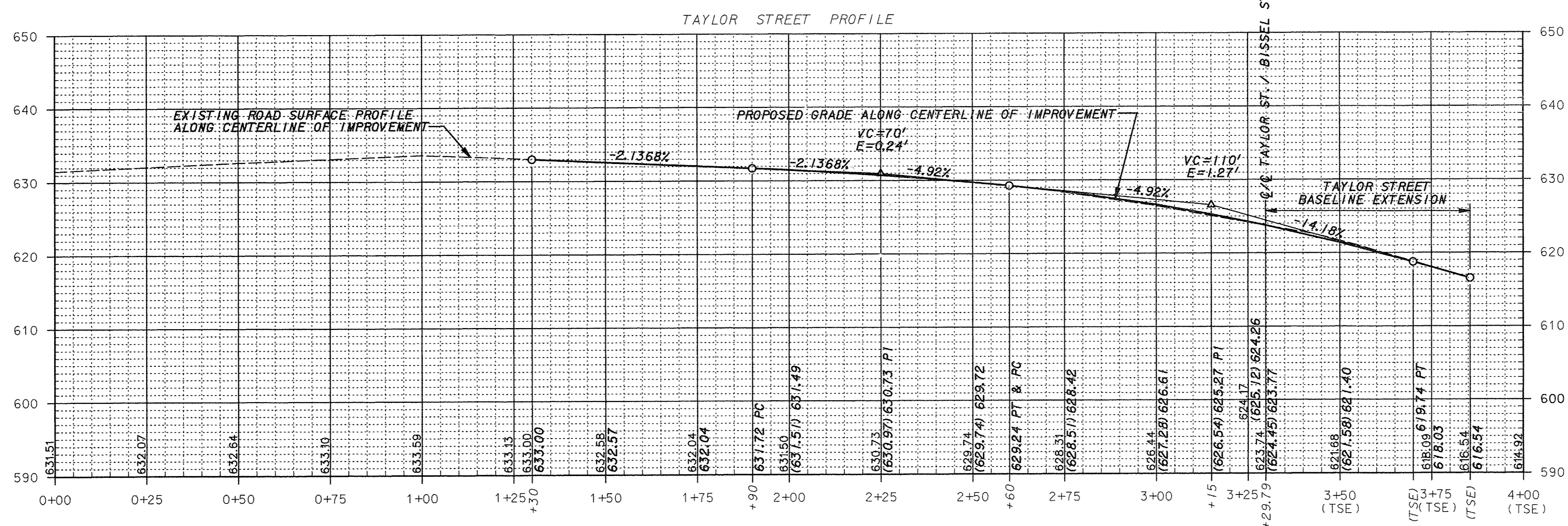
BENCHMARKS
 B.M. NO. 4 - "1" CUT ON TOP CORNER OF CONC. STEP TO HOUSE ADDRESS NO. 323 ON EASTERLY SIDE OF BUENA VISTA ST., ± 65' NORTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 9+08, 32' LT. ELEV. - 594.34
 B.M. NO. 5 - "1" CUT ON TOP CORNER OF STONE RET. WALL TO HOUSE ADDRESS NO. 340 ON WESTERLY SIDE OF BUENA VISTA ST., ± 140' SOUTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 11+09, 25' RT. ELEV. - 574.58
 B.M. NO. 6 - 2-60D NAILS SET IN WESTERLY SIDE OF POWER POLE ON EASTERLY SIDE OF BUENA VISTA STREET ± 75' NORTH OF HANCOCK STREET. CENTERLINE OF IMPROVEMENT STA. 16+08, 18' LT. ELEV. - 521.41

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	13
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

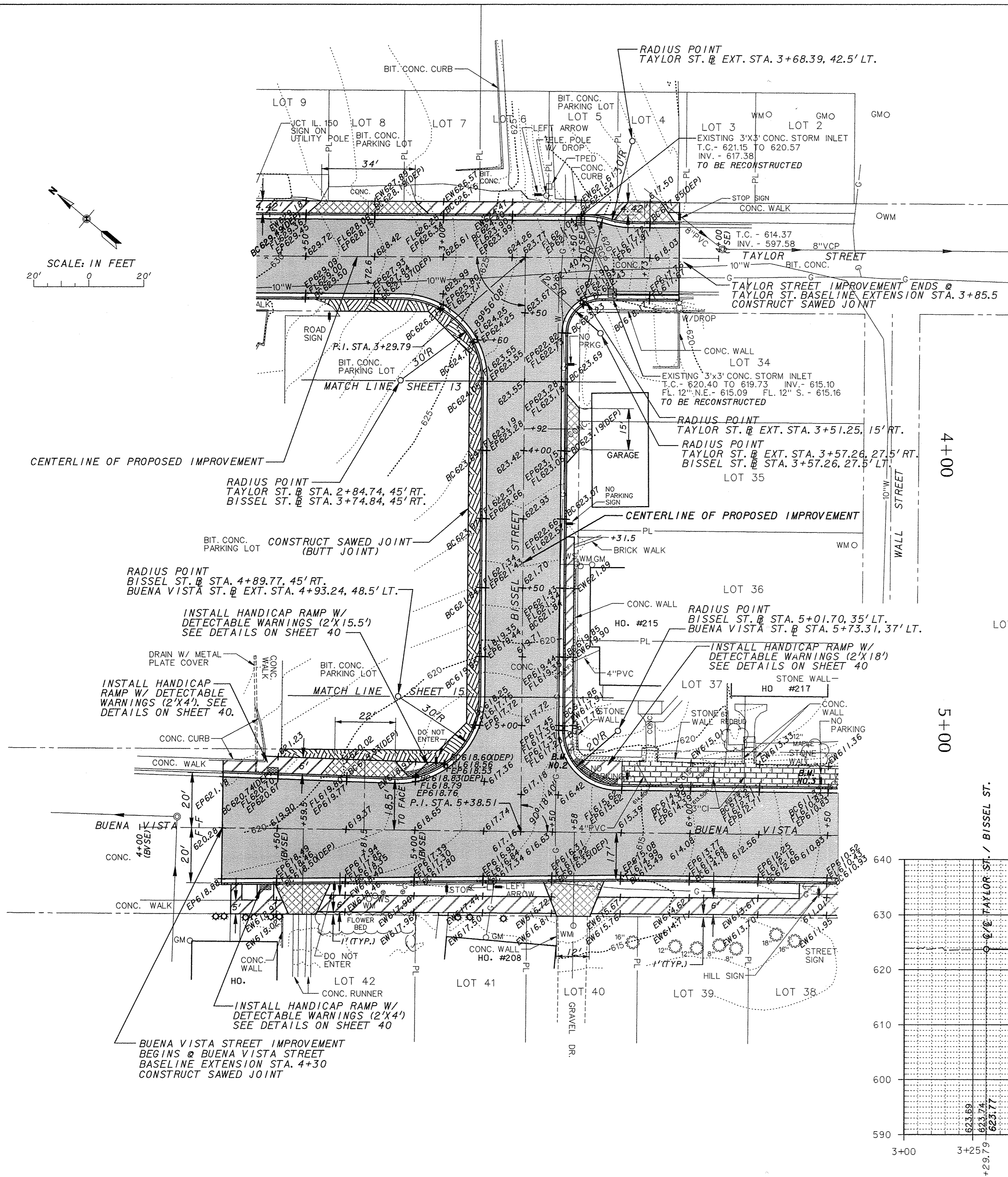
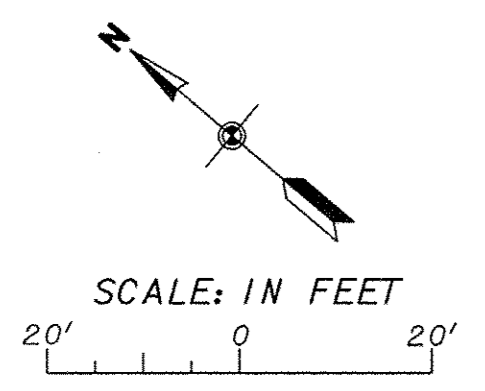


- BENCHMARKS**
- B.M. NO.1 - "X" CUT ON TOP OF CONC. CURB, ± 30' S.E. OF S.E. CORNER OF COUNTY COURT HOUSE BUILDING. CENTERLINE OF IMPROVEMENT STA. 1+75, 20' RT. ELEV. - 632.65
 - B.M. NO.2 - 2-60D NAILS SET IN EASTERLY SIDE OF UTILITY POLE AT EASTERLY CORNER OF THE INTERSECTION OF BISSEL ST. AND BUENA VISTA ST. CENTERLINE OF IMPROVEMENT STA. 5+07, 18' LT. ELEV. - 618.54
 - B.M. NO.3 - TOP OF HEADBOLT NEXT TO "M" IN MUELLER ON FIRE HYDRANT AT THE NORTHERLY CORNER OF THE INTERSECTION OF WALL STREET AND BUENA VISTA STREET. CENTERLINE OF IMPROVEMENT STA. 6+52, 19' LT. ELEV. - 613.40

- LEGEND**
- POWER POLE
 - POWER / TELEPHONE POLE
 - TELEPHONE POLE
 - SANITARY SEWER & MANHOLE
 - FH ○ FIRE HYDRANT
 - WV ○ WATER VALVE
 - WM ○ WATER METER
 - WS ○ WATER SERVICE SHUTOFF
 - W — WATER LINE
 - TP □ TELEPHONE PEDESTAL
 - GV ○ GAS VALVE
 - GM ○ GAS METER
 - — — RIGHT-OF-WAY LINE
 - — — PROPERTY LINE
 - x — FENCE LINE
 - — — SIGN
 - MB • MAILBOX
 - RCP ○ REINFORCED CONCRETE PIPE CULVERT
 - CMP ○ CORRUGATED METAL PIPE CULVERT
 - TC ○ TOP OF CASTING
 - INV. ○ INVERT
 - FL ○ FLOWLINE
 - FLG ○ CURB FLAG
 - BC ○ BACK OF CURB
 - EW ○ EDGE OF WALK
 - TW ○ TOP OF WALL
 - SHRUB
 - FLOWERING PLANTS & BUSHES
 - ORNAMENTAL GRASS & PLANTS
 - BUSH
 - STUMP
 - TREE
 - — — PROPOSED BRICK SIDEWALK
 - — — PROPOSED PCC SIDEWALK
 - — — PROPOSED PCC DRIVEWAY PAVEMENT
 - — — PROPOSED HMA PAVEMENT
 - — — PROPOSED PCC PAVEMENT



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	14
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

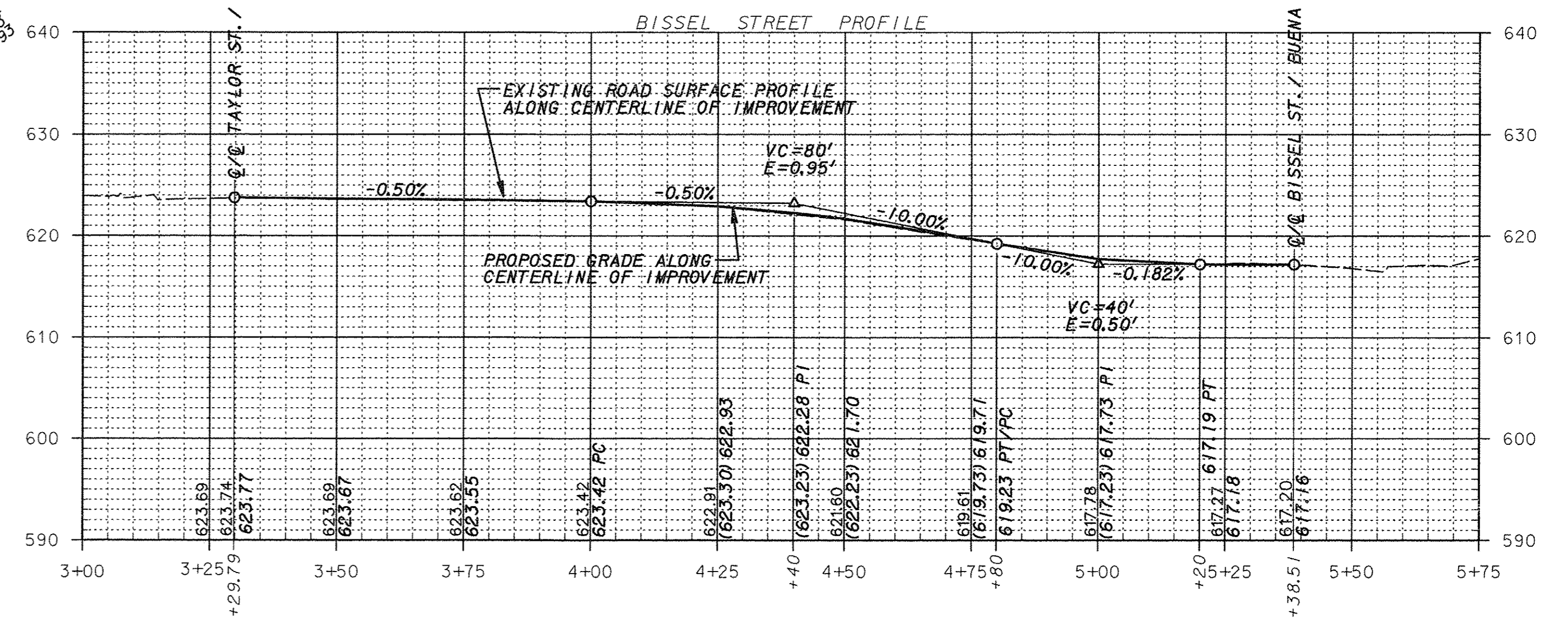


LEGEND

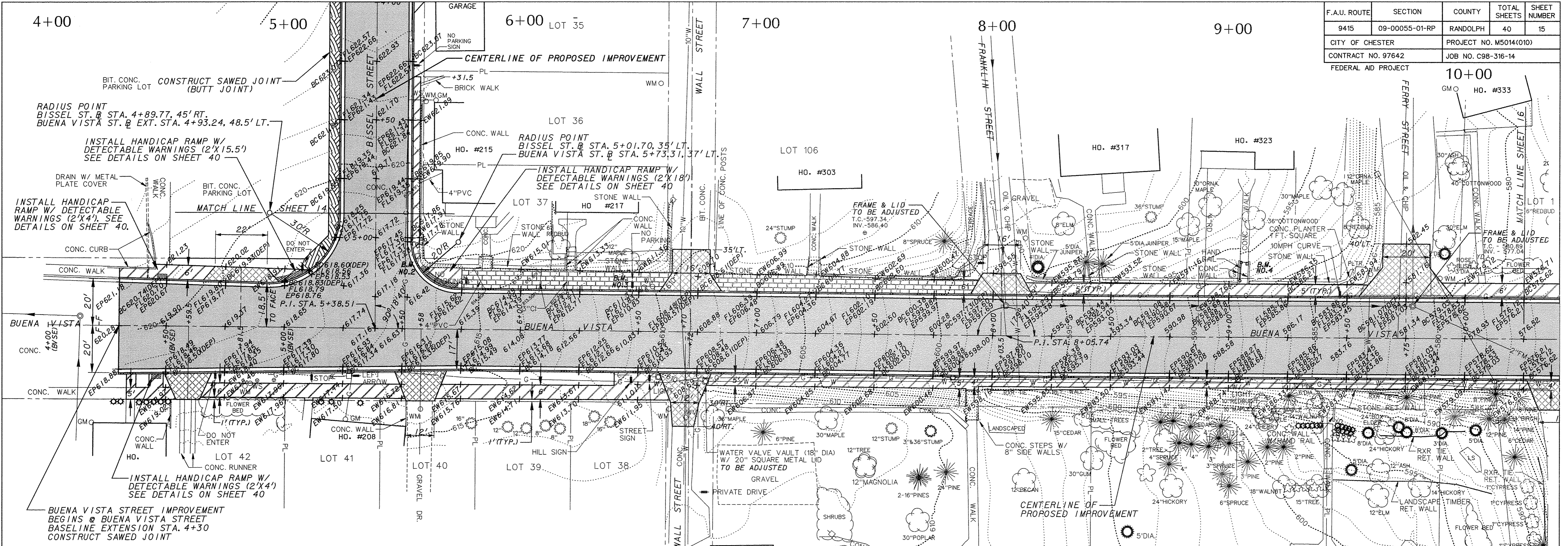
- POWER POLE
- POWER / TELEPHONE POLE
- TELEPHONE POLE
- SANITARY SEWER & MANHOLE
- FH ○ - FIRE HYDRANT
- WV ○ - WATER VALVE
- WM ○ - WATER METER
- WS ○ - WATER SERVICE SHUTOFF
- W- WATER LINE
- TP □ - TELEPHONE PEDESTAL
- GV ○ - GAS VALVE
- GM ○ - GAS METER
- - - RIGHT-OF-WAY LINE
- - - PROPERTY LINE
- - - FENCE LINE
- MB • - MAILBOX
- RCP - REINFORCED CONCRETE PIPE CULVERT
- CMP - CORRUGATED METAL PIPE CULVERT
- TC - TOP OF CASTING
- INV. - INVERT
- FL - FLOWLINE
- FLG - CURB FLAG
- BC - BACK OF CURB
- EW - EDGE OF WALK
- TW - TOP OF WALL
- SHRUB - SHRUB
- FLOR - FLOWERING PLANTS & BUSHES
- ORNG - ORNAMENTAL GRASS & PLANTS
- BUSH - BUSH
- STUMP - STUMP
- TREE - TREE
- [Pattern] - PROPOSED BRICK SIDEWALK
- [Pattern] - PROPOSED PCC SIDEWALK
- [Pattern] - PROPOSED PCC DRIVEWAY PAVEMENT
- [Pattern] - PROPOSED HMA PAVEMENT
- [Pattern] - PROPOSED PCC PAVEMENT

BENCHMARKS

- B.M. NO. 1 - "□" CUT ON TOP OF CONC. CURB, ± 30' S.E. OF S.E. CORNER OF COUNTY COURT HOUSE BUILDING. CENTERLINE OF IMPROVEMENT STA. 1+75, 20' RT. ELEV. - 632.65
- B.M. NO. 2 - 2-60D NAILS SET IN EASTERLY SIDE OF UTILITY POLE AT EASTERLY CORNER OF THE INTERSECTION OF BISSEL ST. AND BUENA VISTA ST. CENTERLINE OF IMPROVEMENT STA. 5+07, 18' LT. ELEV. - 618.54
- B.M. NO. 3 - TOP OF HEADBOLT NEXT TO "W" IN MUELLER ON FIRE HYDRANT AT THE NORTHERLY CORNER OF THE INTERSECTION OF WALL STREET AND BUENA VISTA STREET. CENTERLINE OF IMPROVEMENT STA. 6+52, 19' LT. ELEV. - 613.40
- B.M. NO. 4 - "□" CUT ON TOP CORNER OF CONC. STEP TO HOUSE ADDRESS NO. 323 ON EASTERLY SIDE OF BUENA VISTA ST., ± 65' NORTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 9+08, 32' LT. ELEV. - 594.34
- B.M. NO. 5 - "□" CUT ON TOP CORNER OF STONE RET. WALL TO HOUSE ADDRESS NO. 340 ON WESTERLY SIDE OF BUENA VISTA ST., ± 140' SOUTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 11+09, 25' RT. ELEV. - 574.58
- B.M. NO. 6 - 2-60D NAILS SET IN WESTERLY SIDE OF POWER POLE ON EASTERLY SIDE OF BUENA VISTA STREET ± 75' NORTH OF HANCOCK STREET. CENTERLINE OF IMPROVEMENT STA. 16+08, 18' LT. ELEV. - 521.41



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	15
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

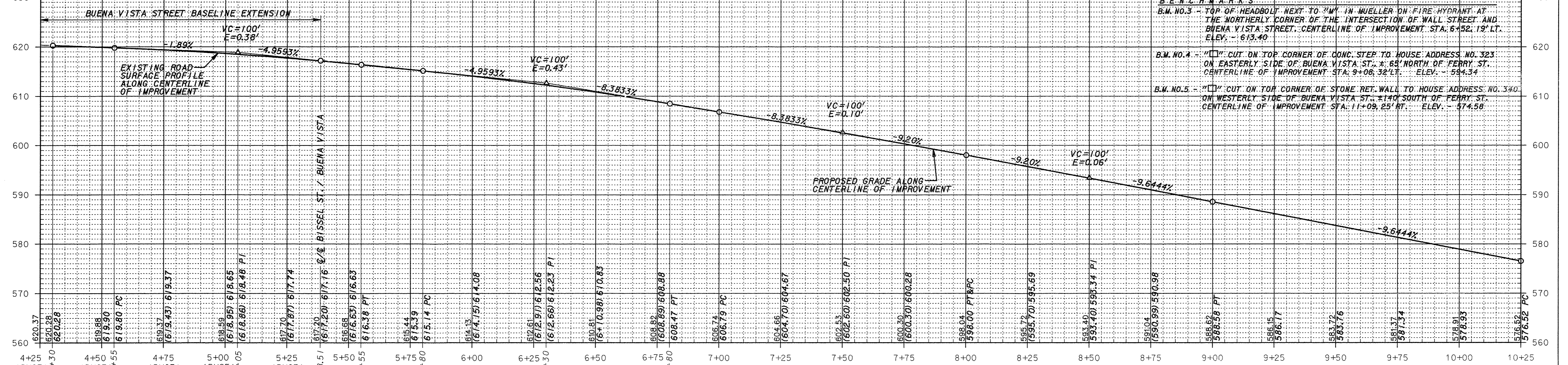


LEGEND

- POWER POLE
- POWER / TELEPHONE POLE
- TELEPHONE POLE
- SANITARY SEWER & MANHOLE
- FIRE HYDRANT
- WATER VALVE
- WATER METER
- WATER SERVICE SHUTOFF
- WATER LINE
- TP □ - TELEPHONE PEDESTAL
- GV ○ - GAS VALVE
- GM ○ - GAS METER
- RIGHT-OF-WAY LINE
- PL - PROPERTY LINE
- FENCE LINE
- MB • - MAILBOX
- ROP - REINFORCED CONCRETE PIPE CULVERT
- OMP - CORRUGATED METAL PIPE CULVERT
- TC - TOP OF CASTING
- INV. - INVERT
- FL - FLOWLINE
- FLG - CURB FLAG
- BC - BACK OF CURB
- EW - EDGE OF WALK
- TW - TOP OF WALL

- PROPOSED BRICK SIDEWALK
- PROPOSED PCC SIDEWALK
- PROPOSED PCC DRIVEWAY PAVEMENT
- PROPOSED HMA PAVEMENT
- PROPOSED PCC PAVEMENT

BUENA VISTA STREET PROFILE



- BENCHMARKS**
- B.M. NO. 3 - TOP OF HEADBOLT NEXT TO 2" W" IN WUELLER DR. FIRE HYDRANT AT THE NORTHERLY CORNER OF THE INTERSECTION OF WALL STREET AND BUENA VISTA STREET. CENTERLINE OF IMPROVEMENT STA. 6+52.19' LT. ELEV. - 613.40
 - B.M. NO. 4 - "I" CUT ON TOP CORNER OF CONC. STEP TO HOUSE ADDRESS NO. 323 ON EASTERLY SIDE OF BUENA VISTA ST. ± 65' NORTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 9+08.32' LT. ELEV. - 594.34
 - B.M. NO. 5 - "I" CUT ON TOP CORNER OF STONE RET. WALL TO HOUSE ADDRESS NO. 340 ON WESTERLY SIDE OF BUENA VISTA ST. ± 140' SOUTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 11+09.25' RT. ELEV. - 574.58

11+00

12+00 LEGEND

13+00

14+00

15+00

BENCHMARKS

B.M. NO. 4 - 1" CUT ON TOP CORNER OF CONC. STEP TO HOUSE ADDRESS NO. 323 ON EASTERLY SIDE OF BUENA VISTA ST., ± 65' NORTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 9+08, 32' LT. ELEV. - 594.34

B.M. NO. 5 - 1" CUT ON TOP CORNER OF STONE RET. WALL TO HOUSE ADDRESS NO. 340 ON WESTERLY SIDE OF BUENA VISTA ST., ± 140' SOUTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 11+09, 25' RT. ELEV. - 574.58

B.M. NO. 6 - 2-600 NAILS SET IN WESTERLY SIDE OF POWER POLE ON EASTERLY SIDE OF BUENA VISTA STREET ± 75' NORTH OF HANCOCK STREET. CENTERLINE OF IMPROVEMENT STA. 16+08, 18' LT. ELEV. - 521.41

- - POWER POLE
- - POWER / TELEPHONE POLE
- - TELEPHONE POLE
- - TELEPHONE POLE
- - SANITARY SEWER & MANHOLE
- FH ○ - FIRE HYDRANT
- WM ○ - WATER VALVE
- WM ○ - WATER METER
- WS ○ - WATER SERVICE SHUTOFF
- W - WATER LINE

- - TELEPHONE PEDESTAL
- GV ○ - GAS VALVE
- GM ○ - GAS METER
- - RIGHT-OF-WAY LINE
- - PROPERTY LINE
- - FENCE LINE
- - SIGN
- MB • - MAILBOX

- RCP - REINFORCED CONCRETE PIPE CULVERT
- CMF - CORRUGATED METAL PIPE CULVERT
- TC - TOP OF CASTING
- INV. - INVERT
- FL - FLOWLINE
- FG - CURB FLAG
- BC - BACK OF CURB
- EW - EDGE OF WALK
- TW - TOP OF WALL

- [Pattern] - PROPOSED BRICK SIDEWALK
- [Pattern] - PROPOSED PCC SIDEWALK
- [Pattern] - PROPOSED PCC DRIVEWAY PAVEMENT
- [Pattern] - PROPOSED HMA PAVEMENT
- [Pattern] - PROPOSED PCC PAVEMENT
- [Pattern] - PROPOSED EROSION CONTROL BLANKET

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	16

CITY OF CHESTER PROJECT NO. M5014(010)

CONTRACT NO. 97642 JOB NO. C98-316-14

FEDERAL AID PROJECT

16+00

CURVE DATA

$\Delta = 07^{\circ}05'02''$ P.C. - 16+34.67

$R = 300.00'$ P.I. - 16+53.24

$L = 37.09'$ P.T. - 16+71.76

$T = 18.57'$

SCALE: IN FEET

INSTALL EROSION CONTROL BLANKET BETWEEN SIDEWALK AND R.O.W. LEFT FROM STA. 12+12 TO STA. 15+20.

INSTALL HANDICAP RAMP W/ DETECTABLE WARNINGS (2'X4') SEE DETAILS ON SHEET 40

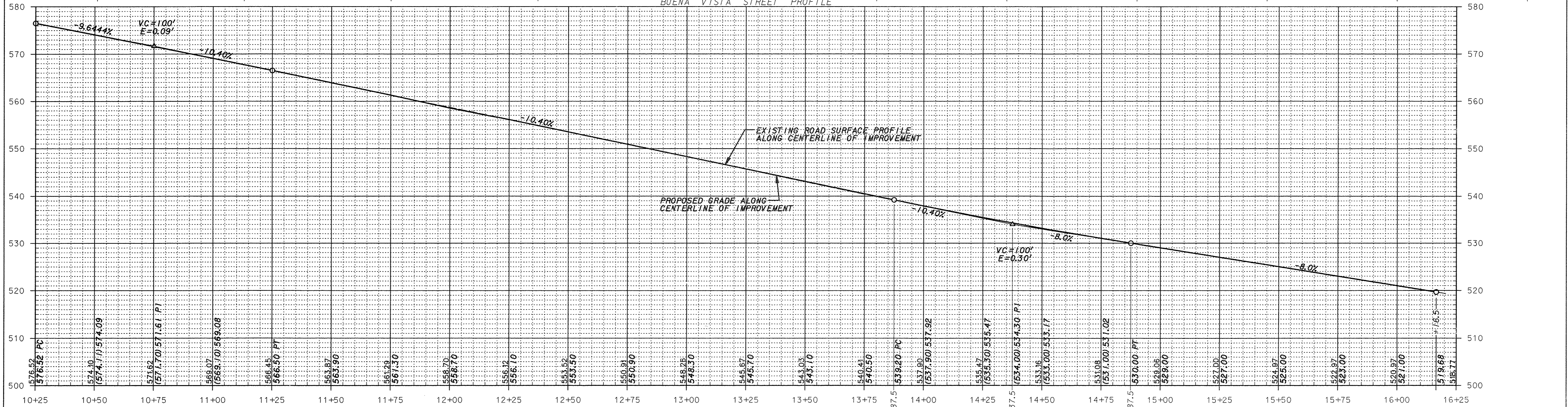
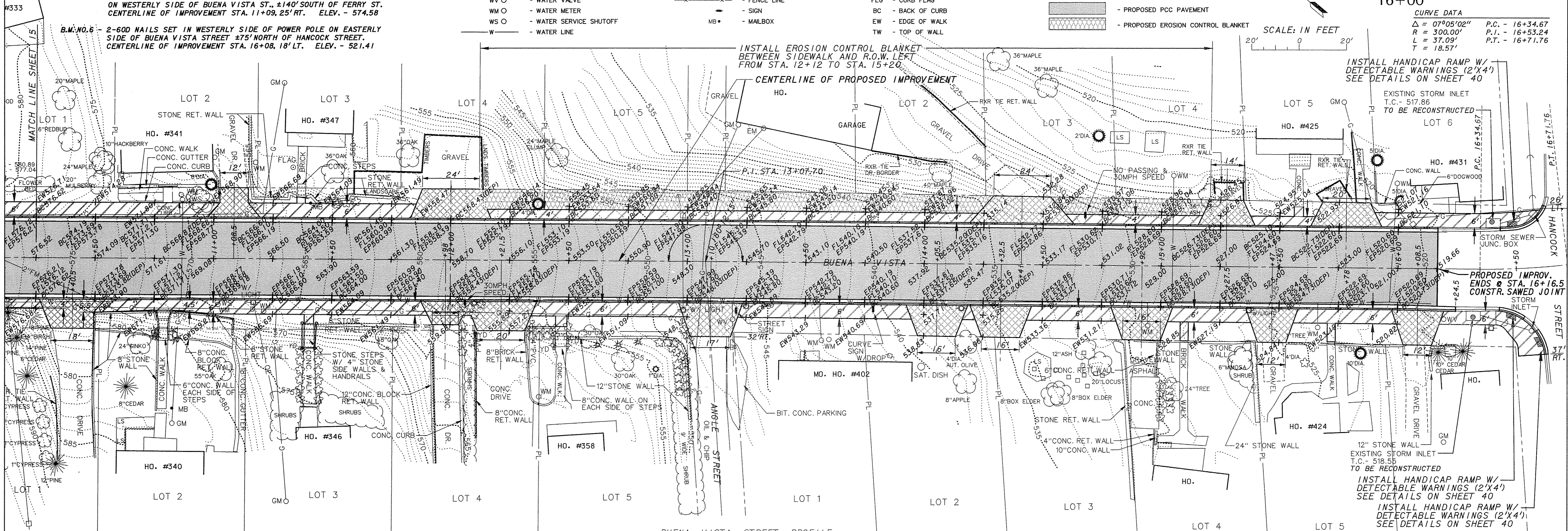
EXISTING STORM INLET T.C. 517.86 TO BE RECONSTRUCTED

PROPOSED IMPROV. ENDS @ STA. 16+16.5 CONSTR. SAWED JOINT STORM INLET

12" STONE WALL EXISTING STORM INLET T.C. 518.55 TO BE RECONSTRUCTED

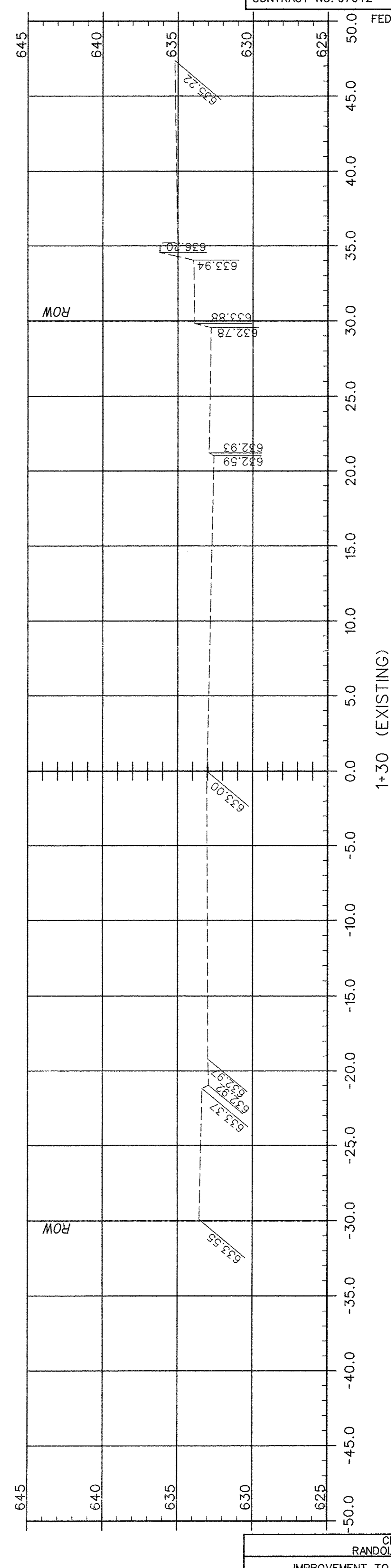
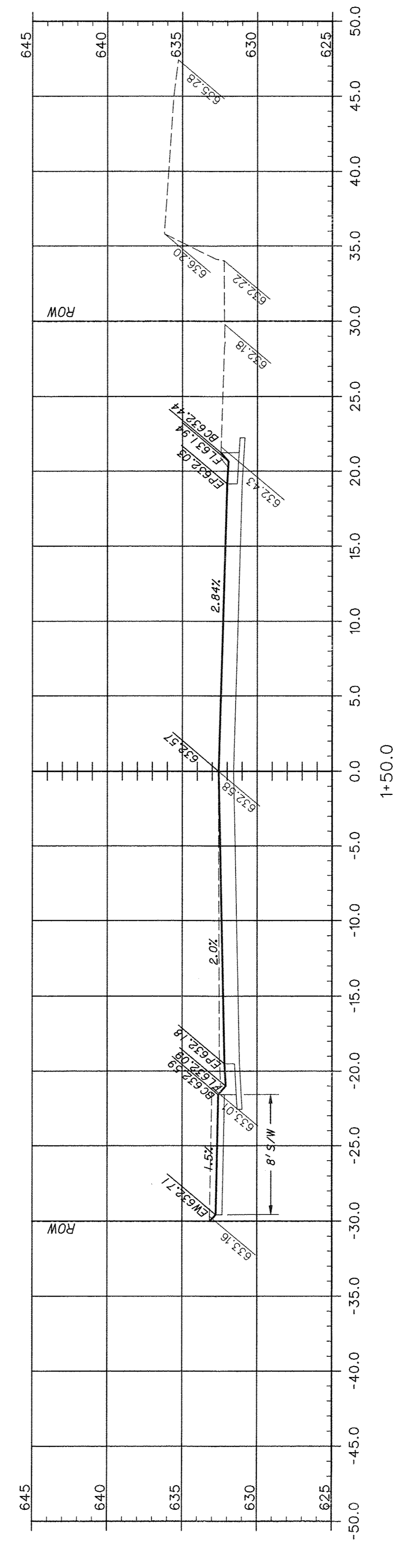
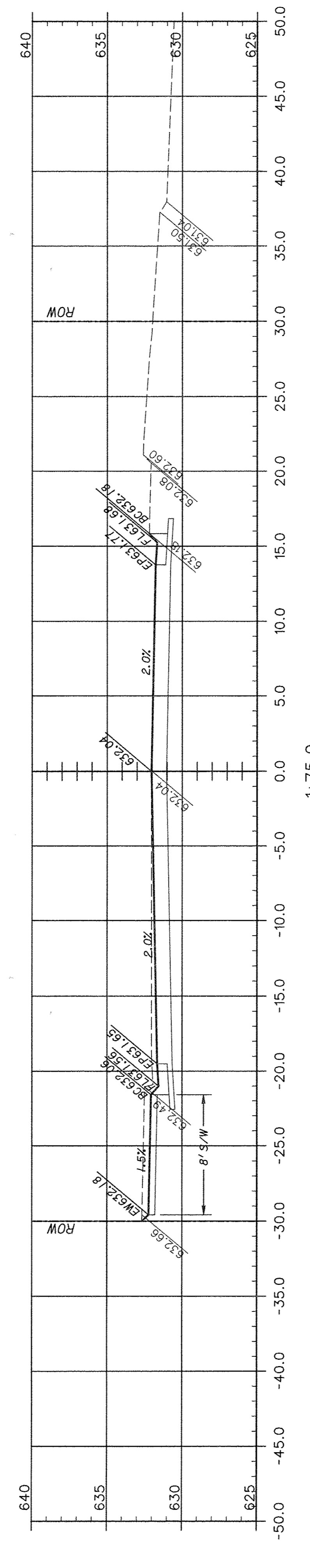
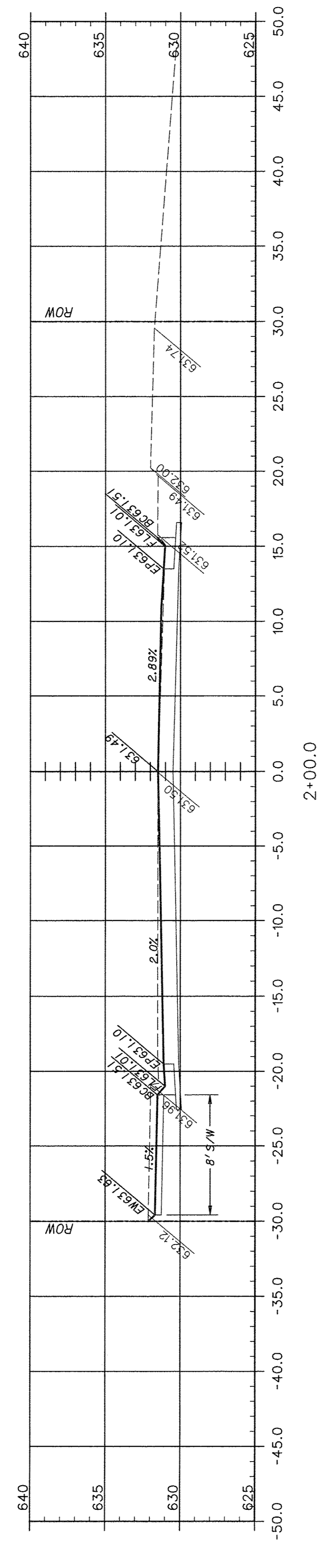
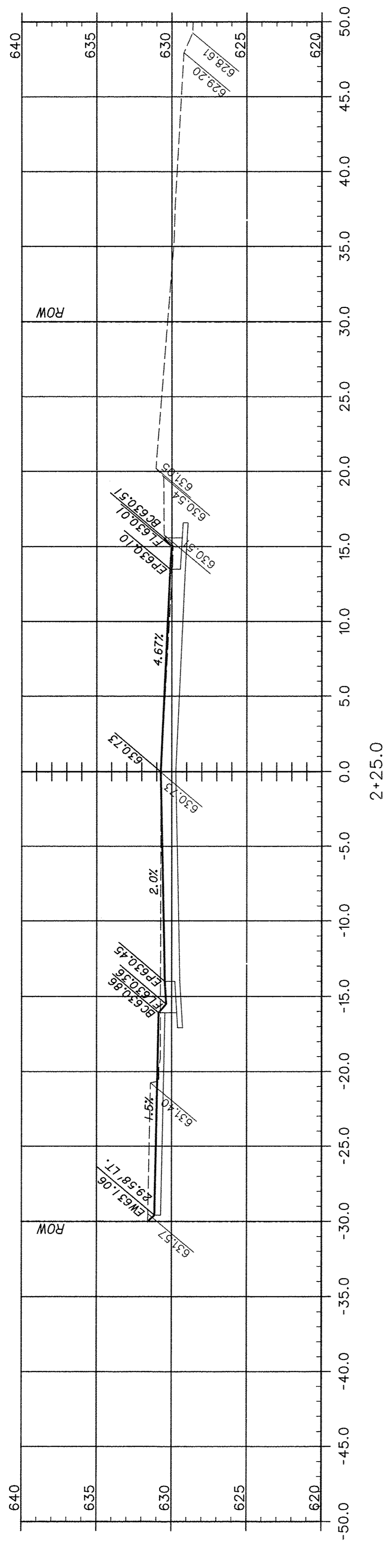
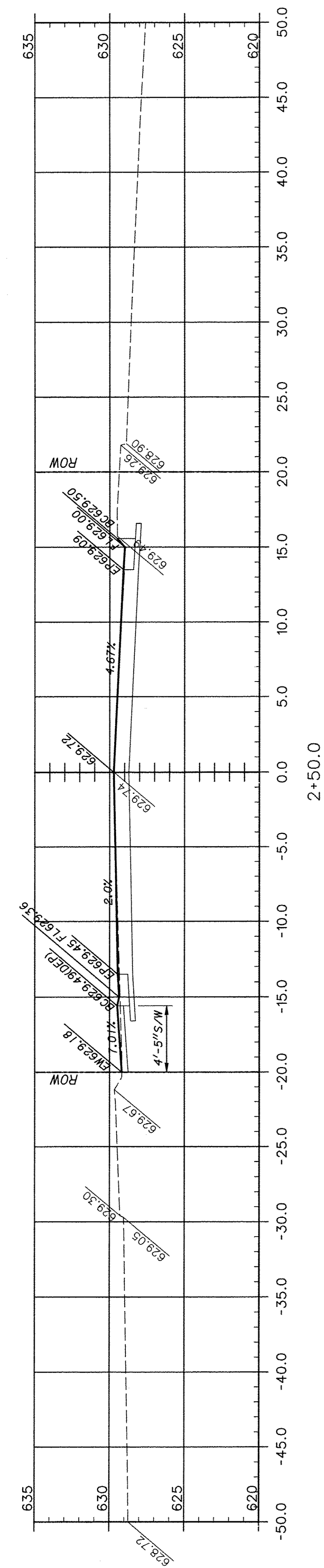
INSTALL HANDICAP RAMP W/ DETECTABLE WARNINGS (2'X4') SEE DETAILS ON SHEET 40

INSTALL HANDICAP RAMP W/ DETECTABLE WARNINGS (2'X4') SEE DETAILS ON SHEET 40

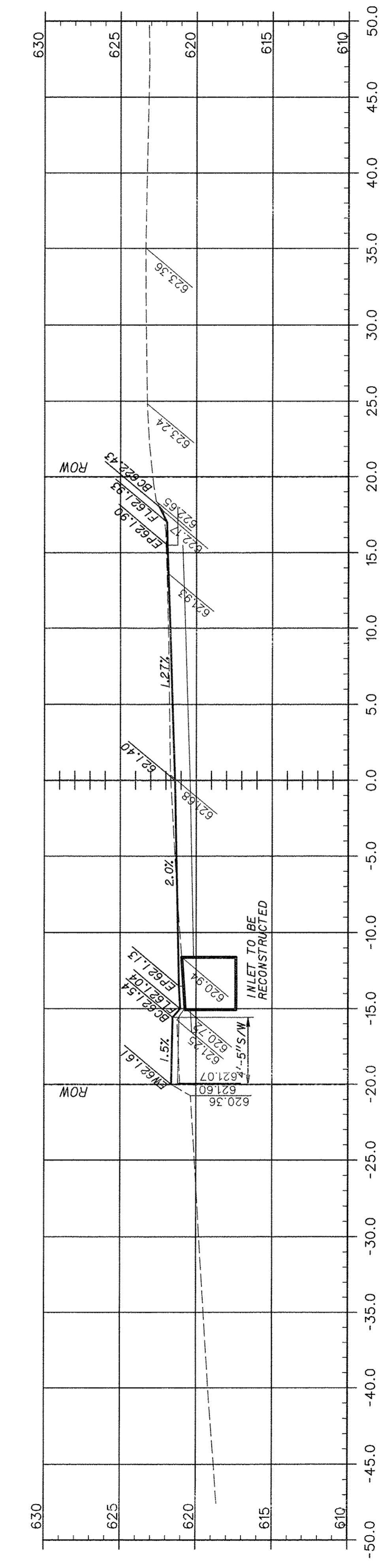
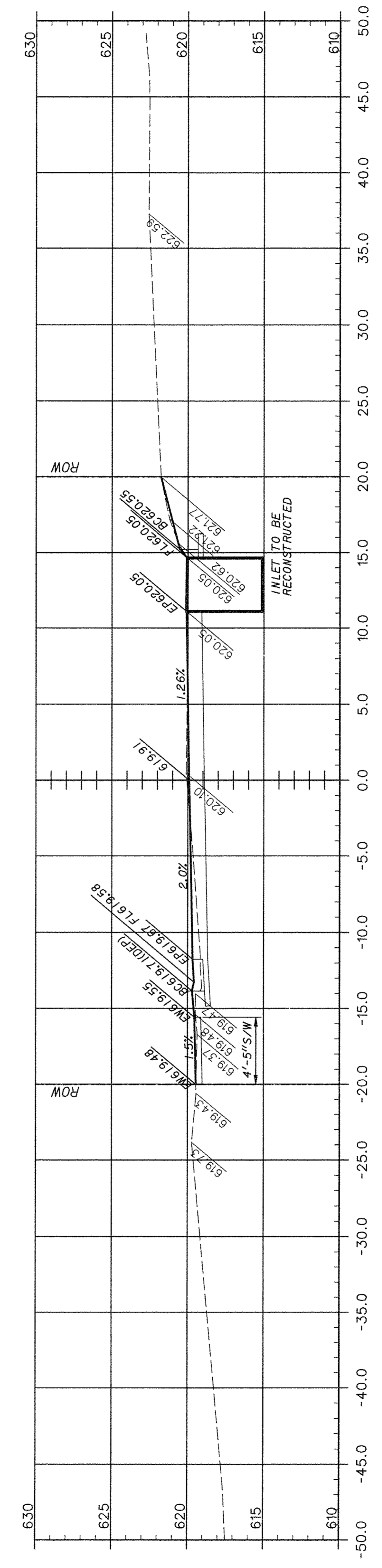
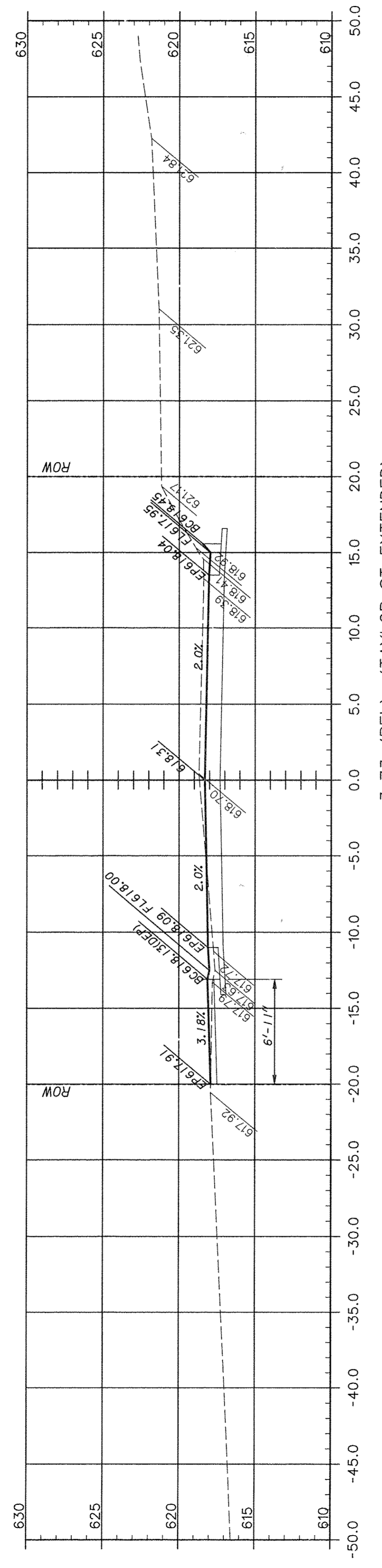
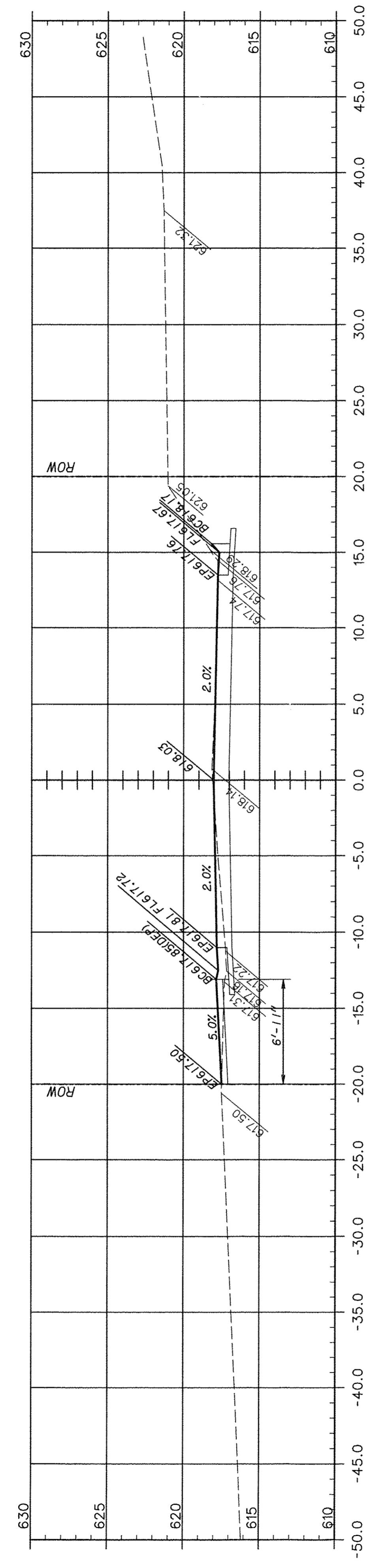
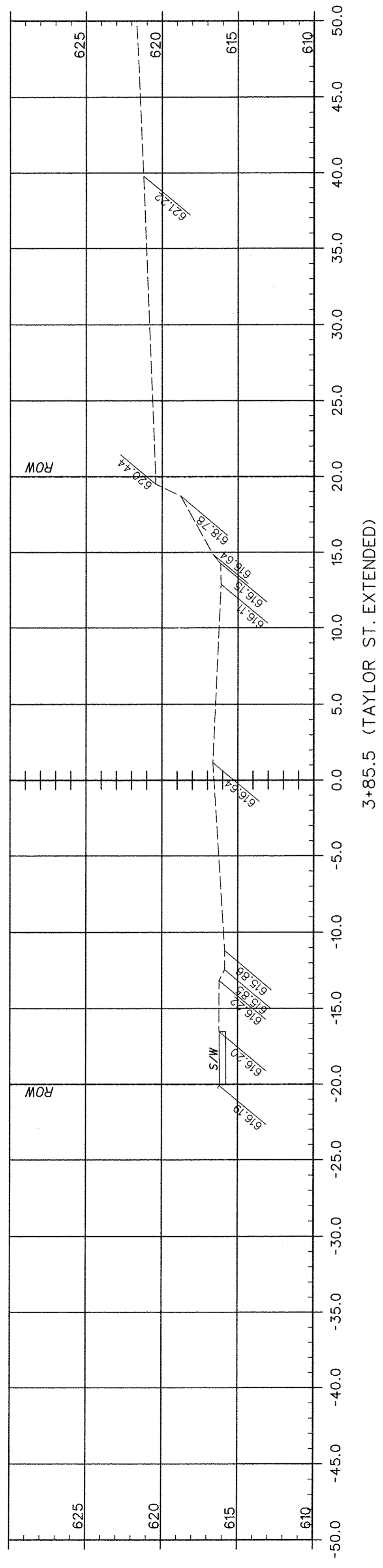


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	17
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		

FEDERAL AID PROJECT

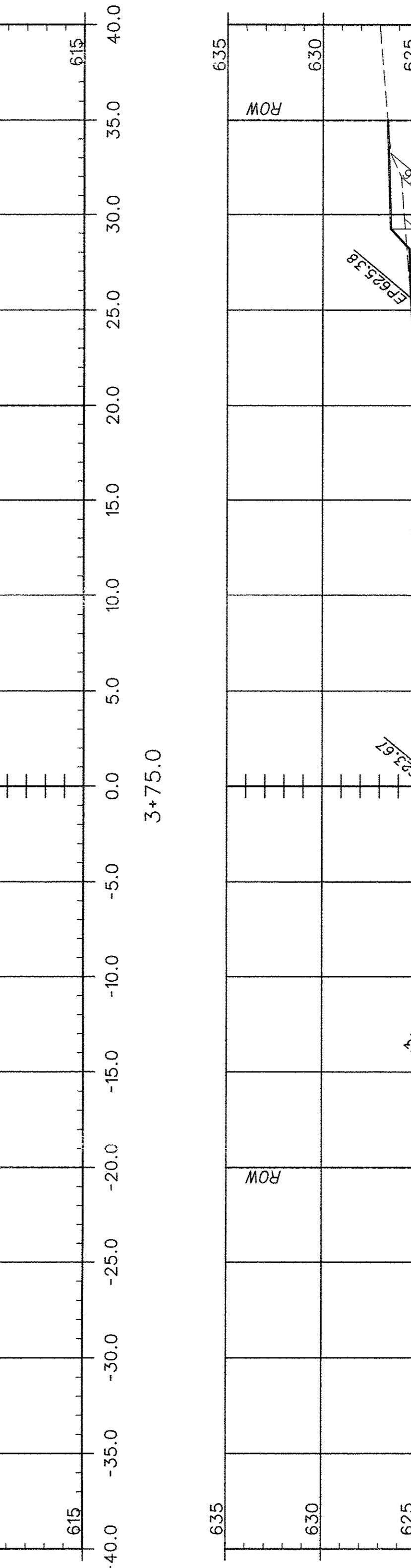
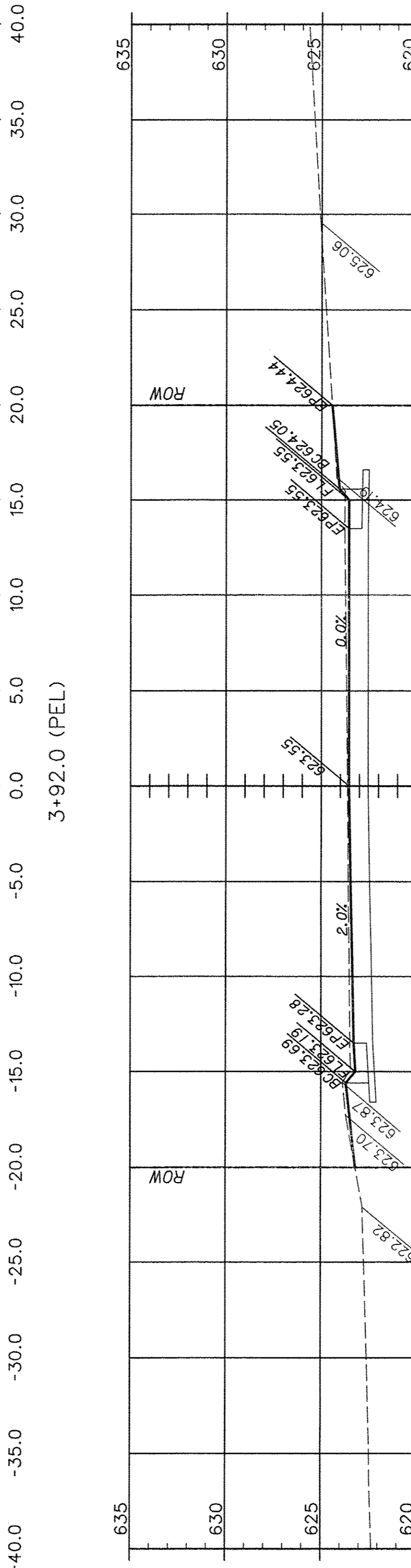
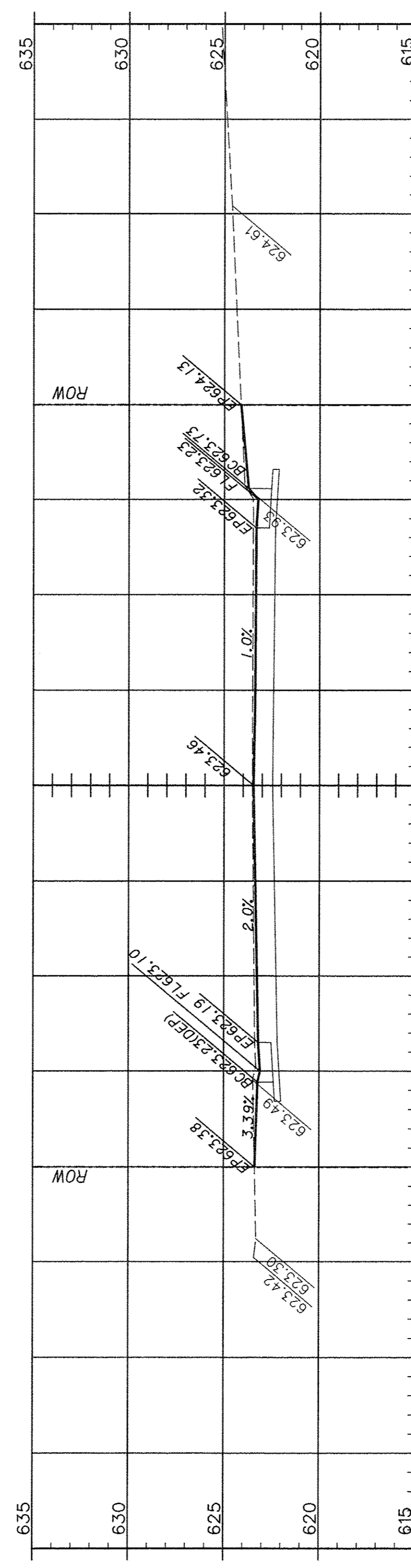
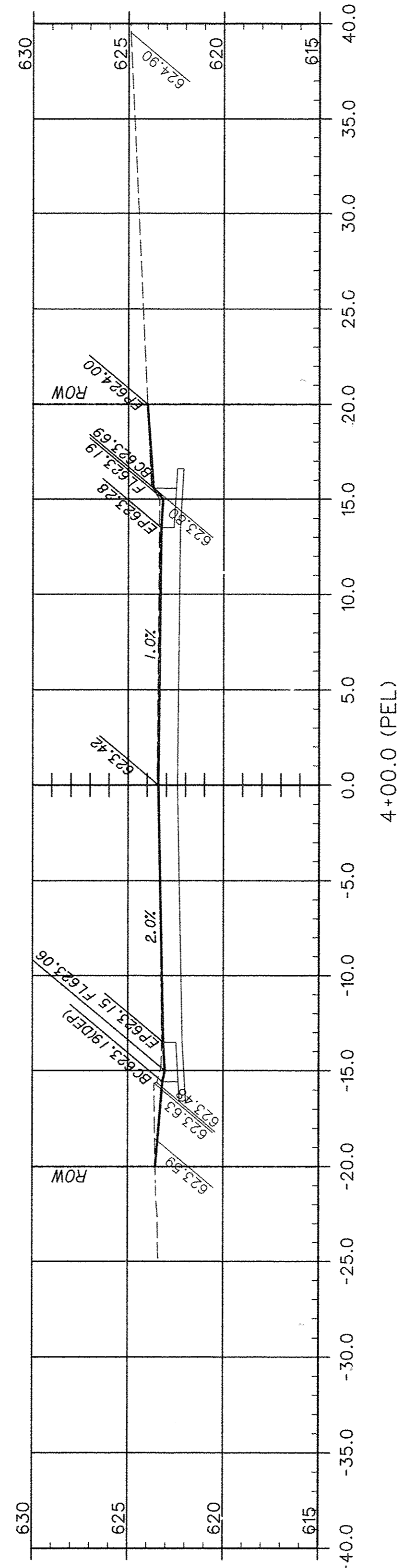
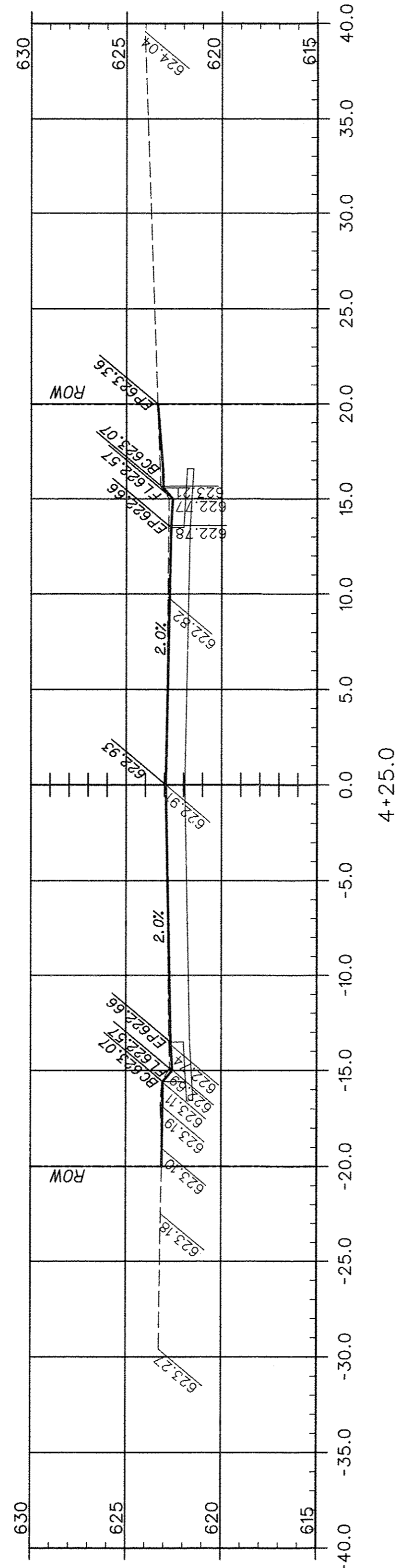
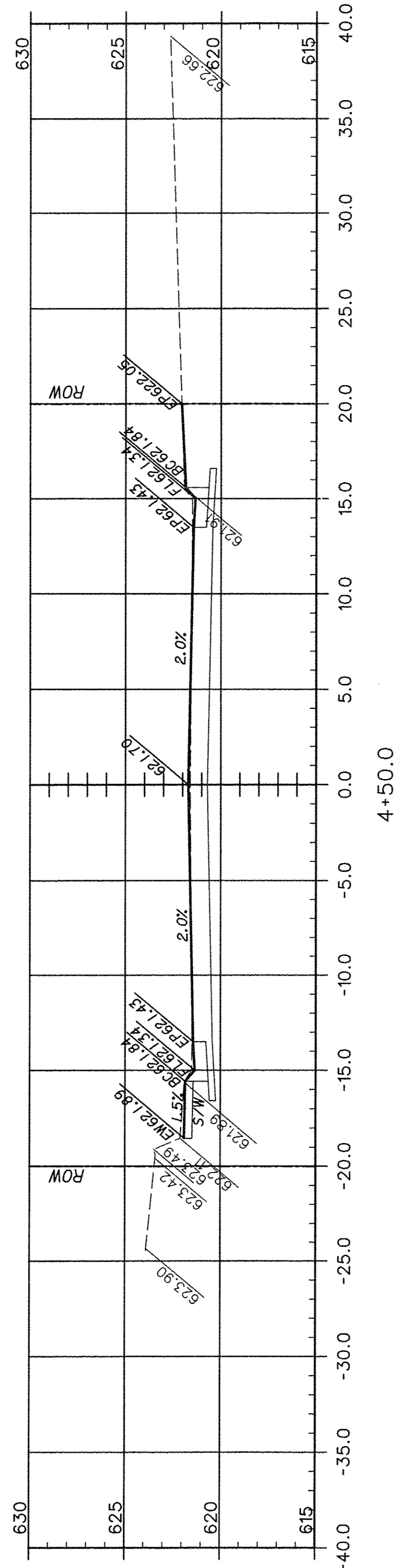


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	19
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

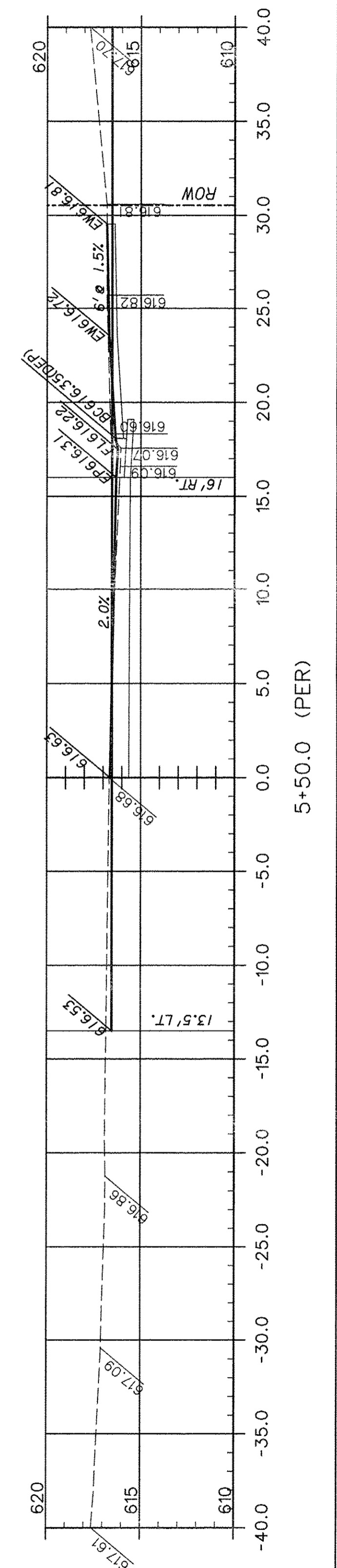
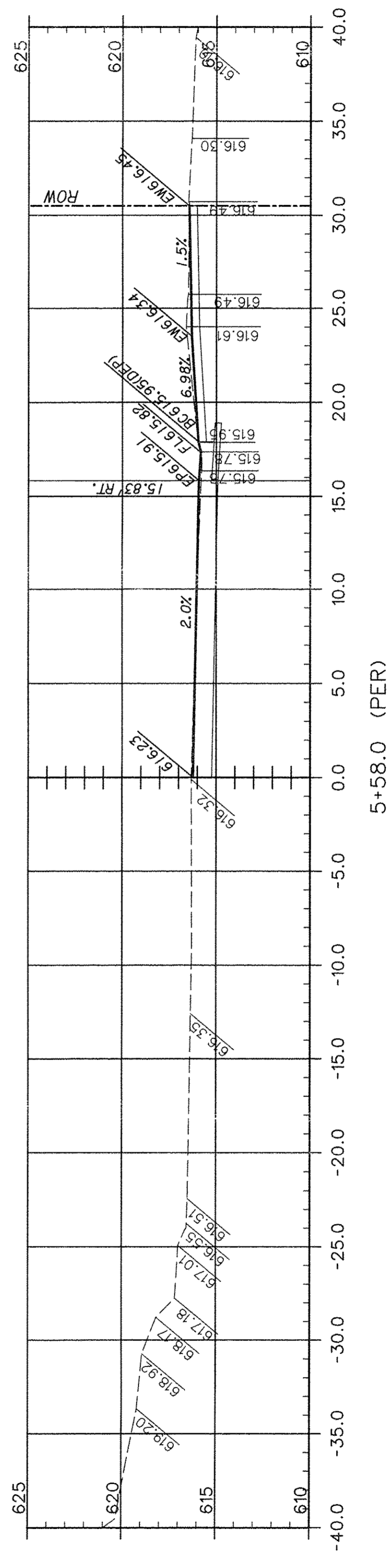
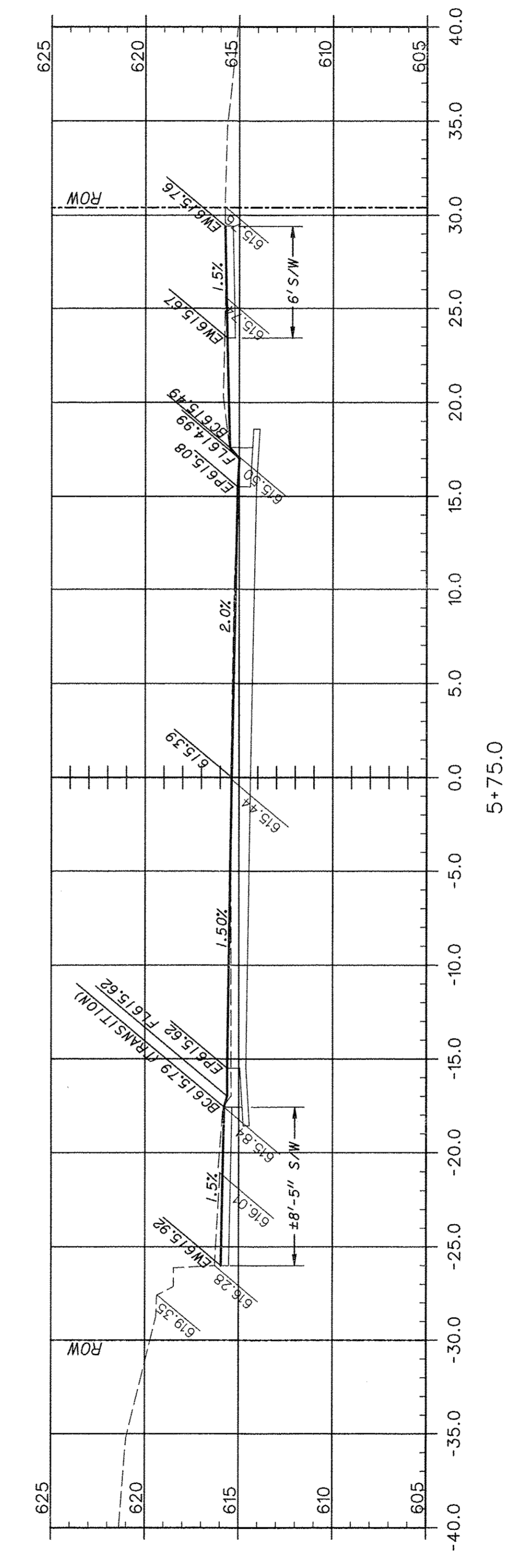
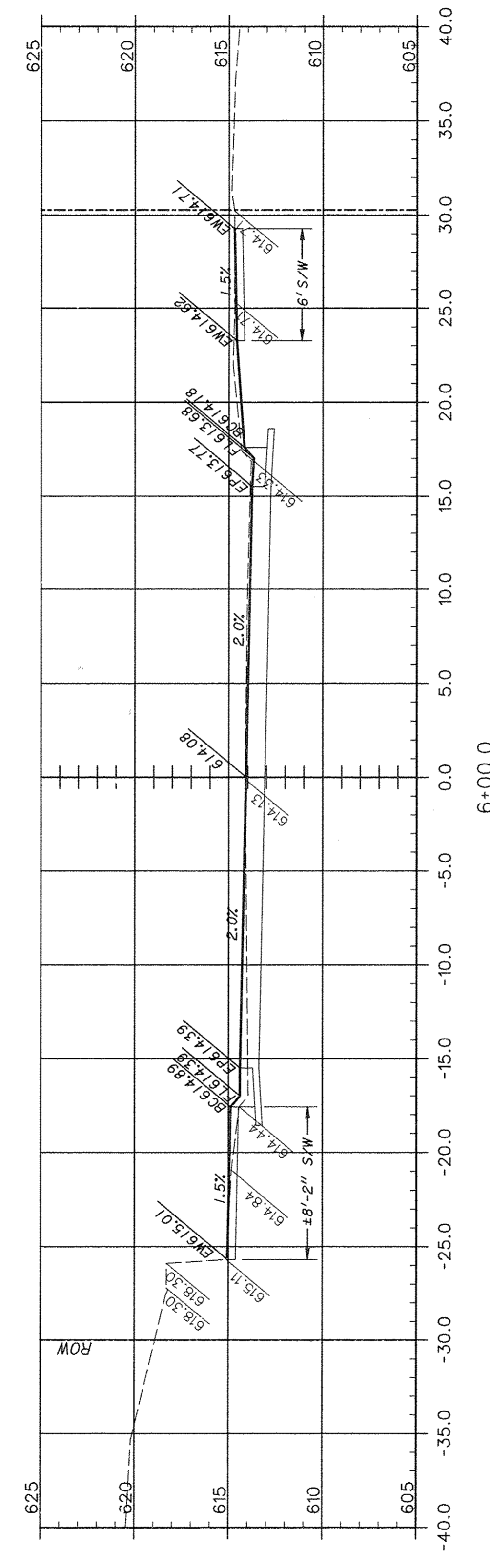
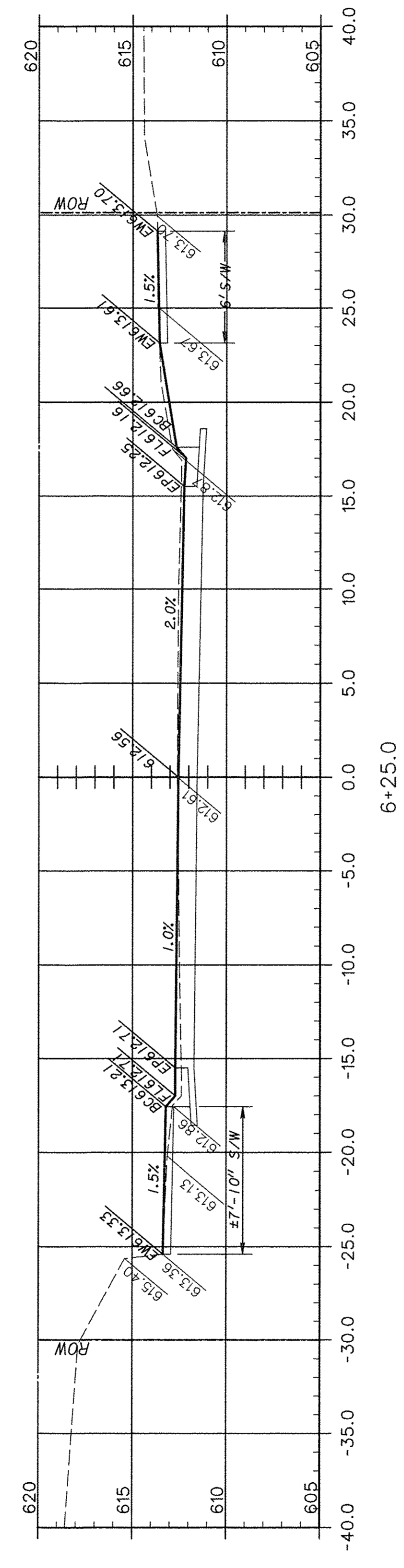
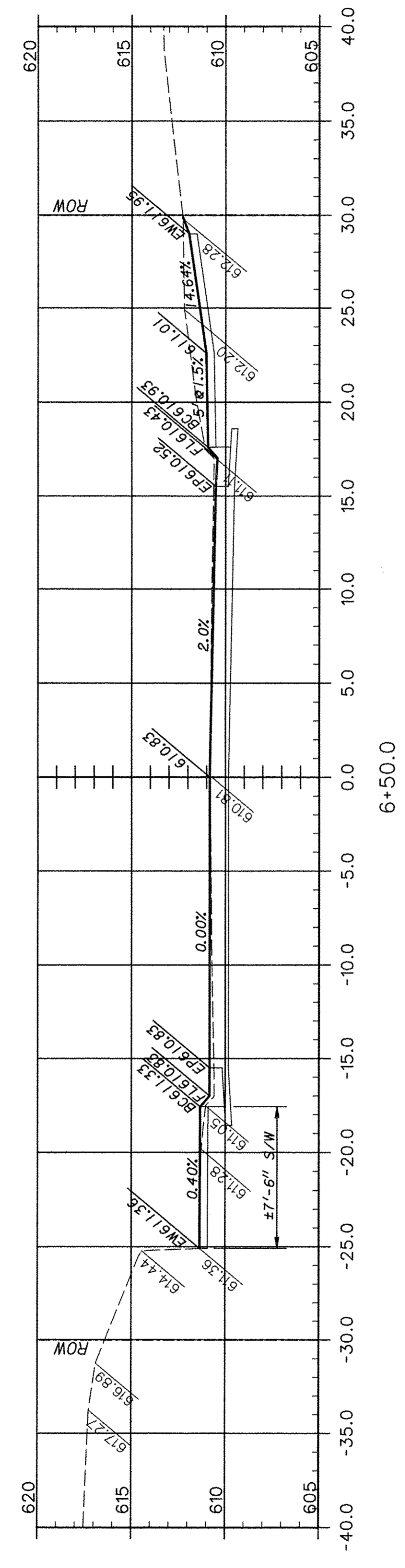
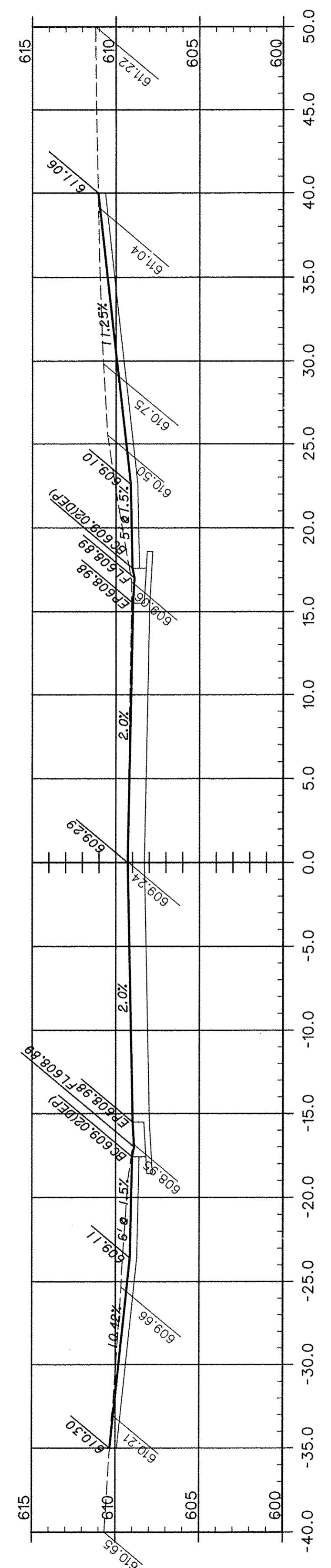


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	20
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		

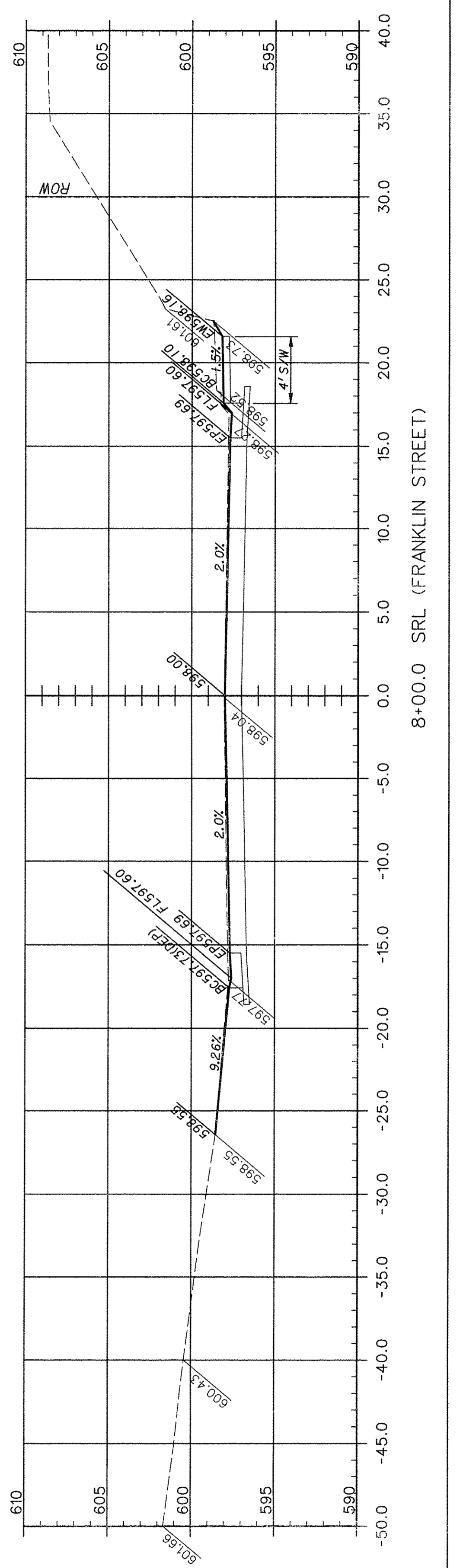
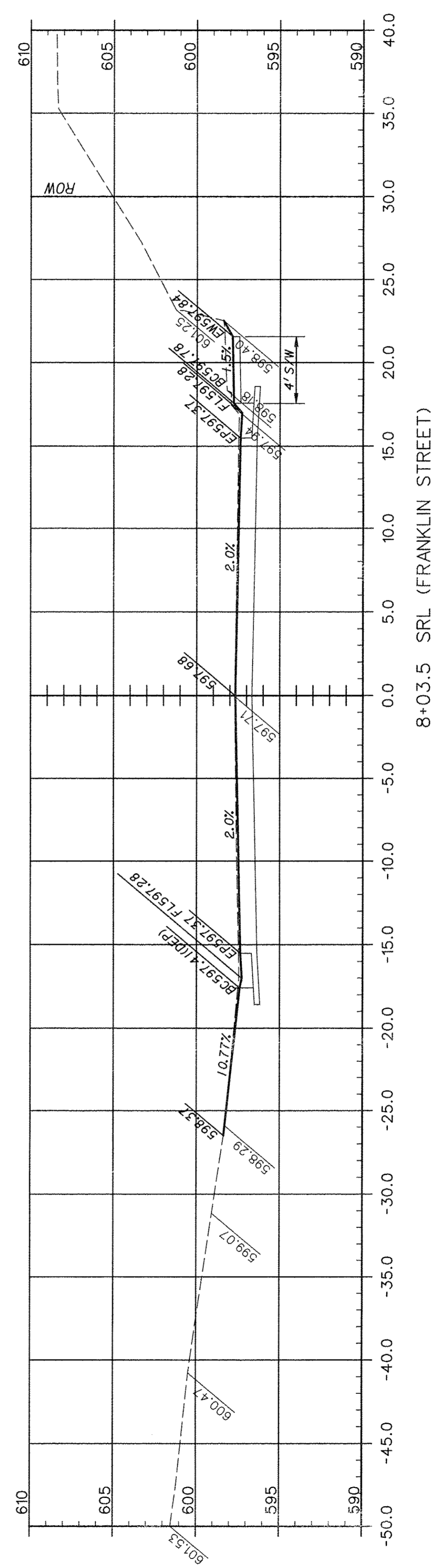
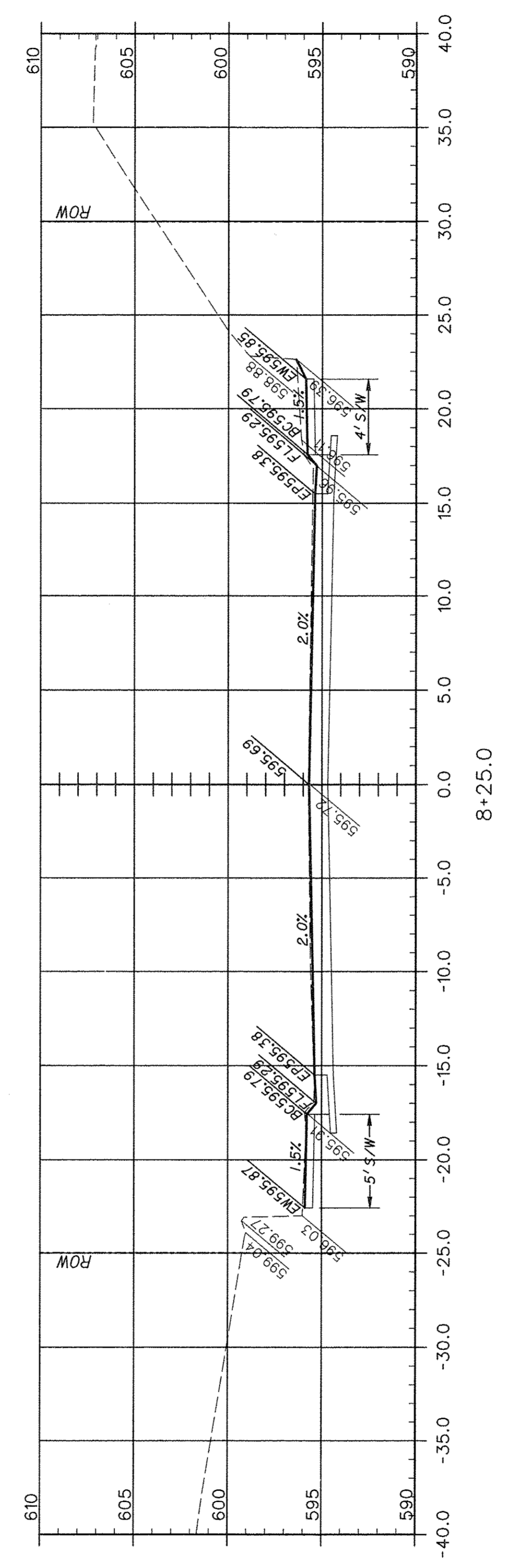
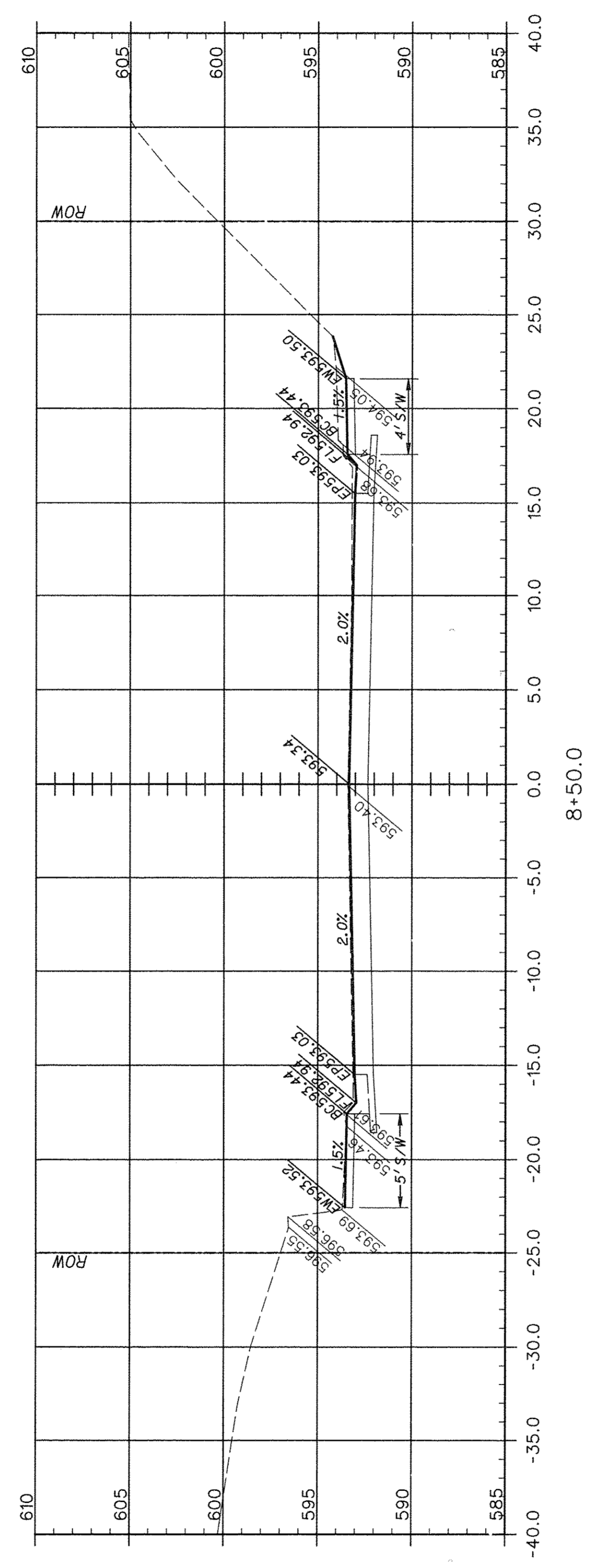
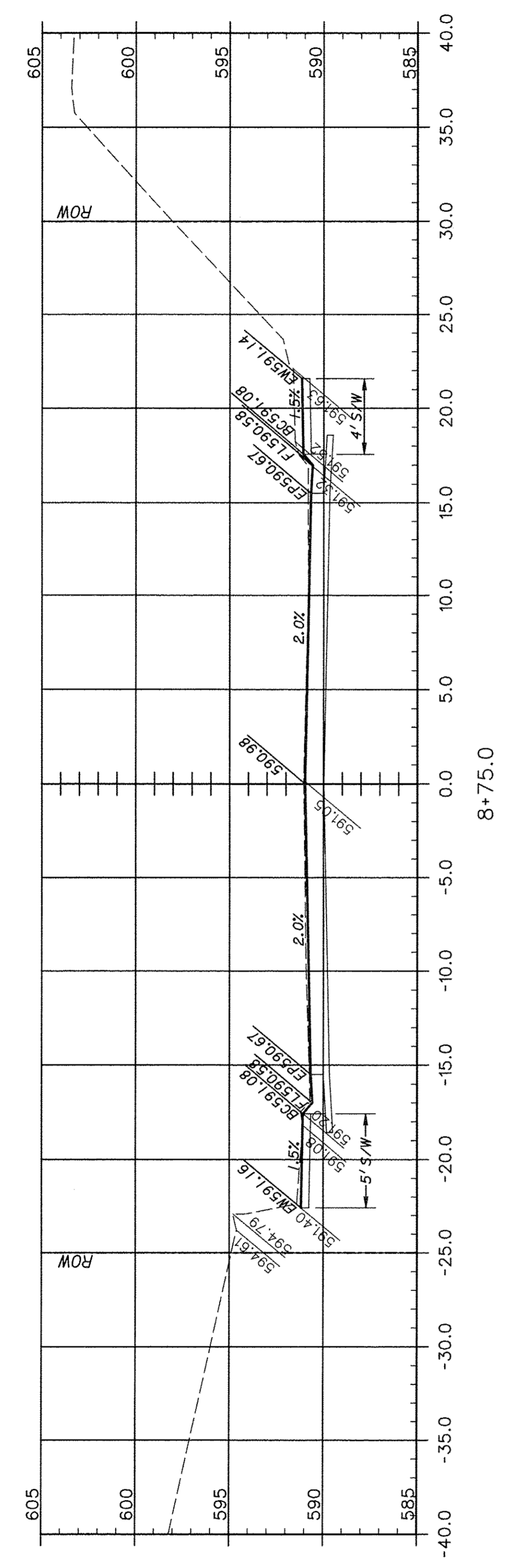
FEDERAL AID PROJECT



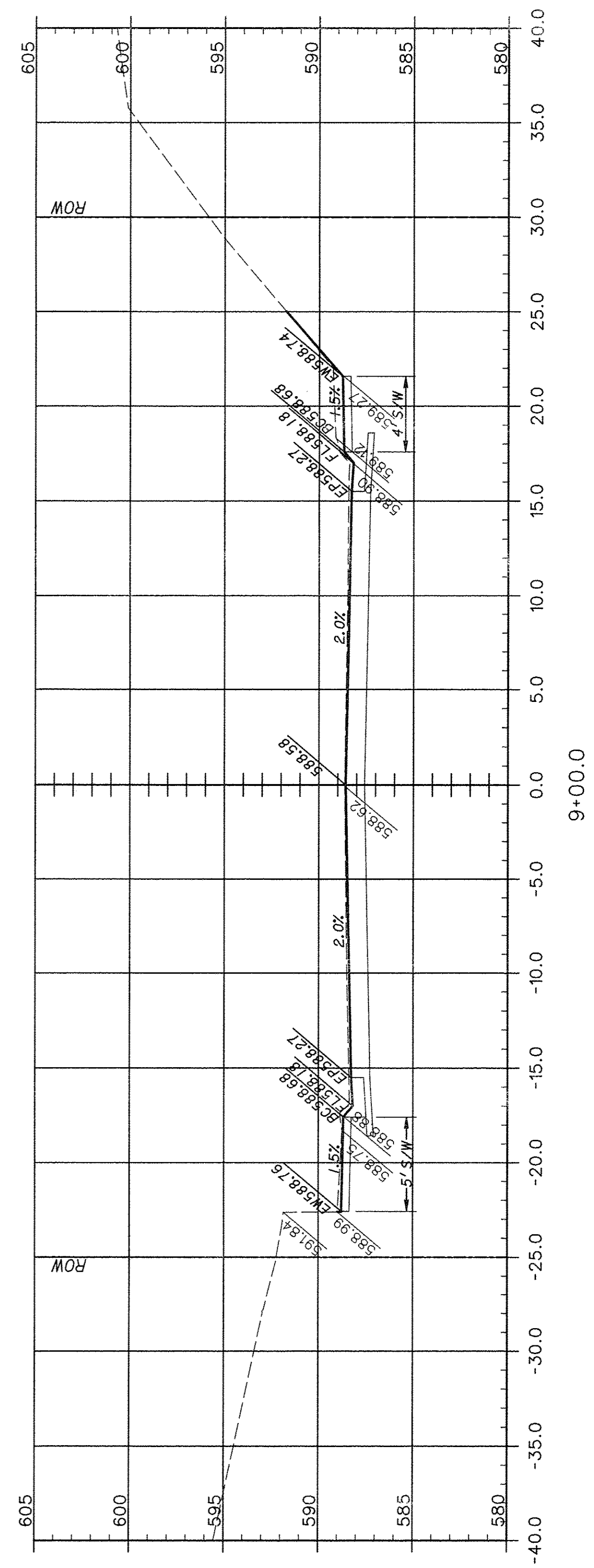
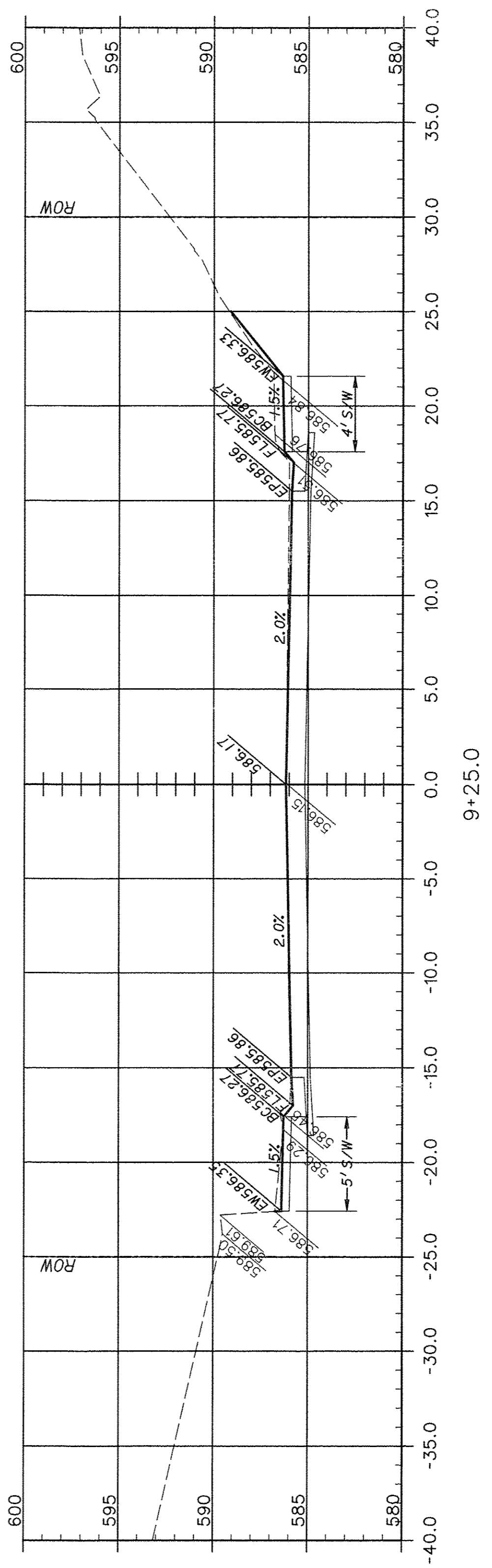
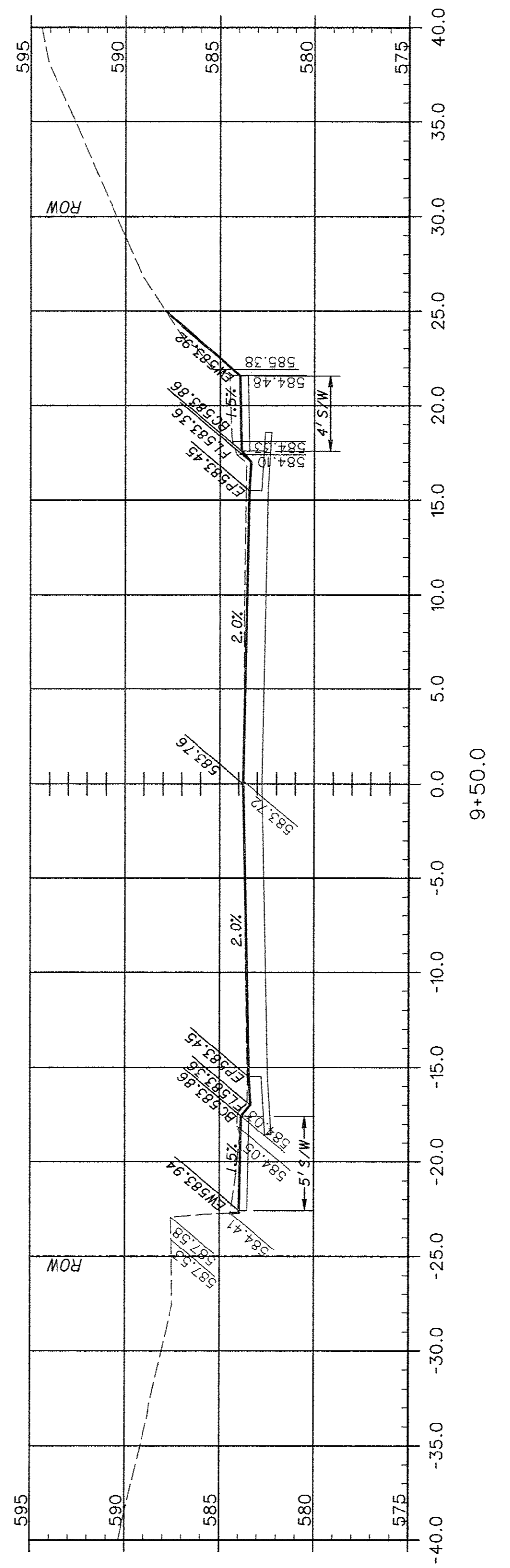
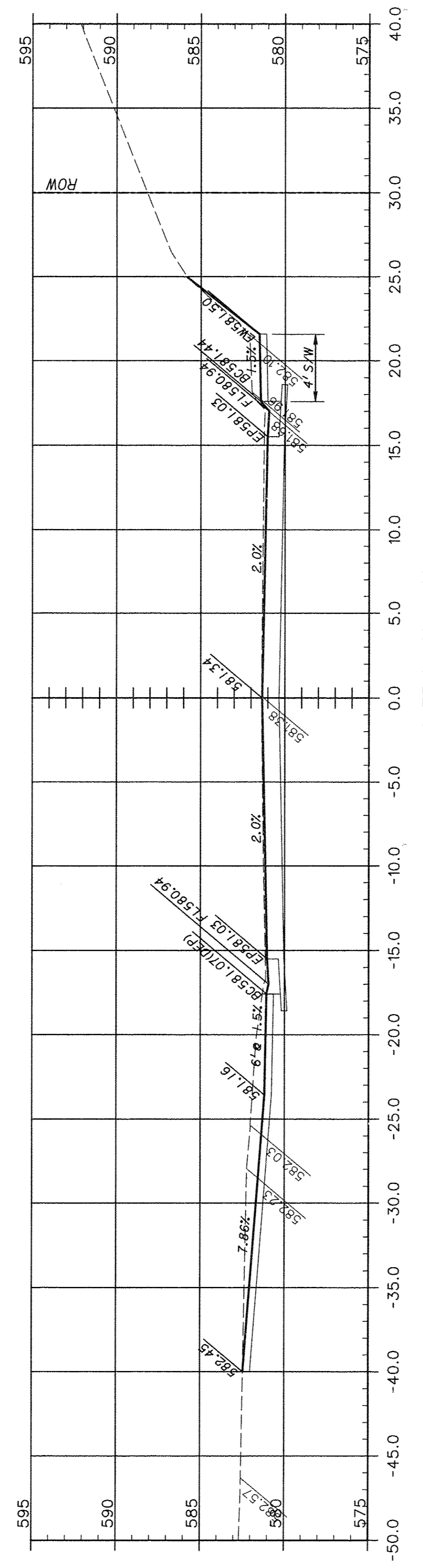
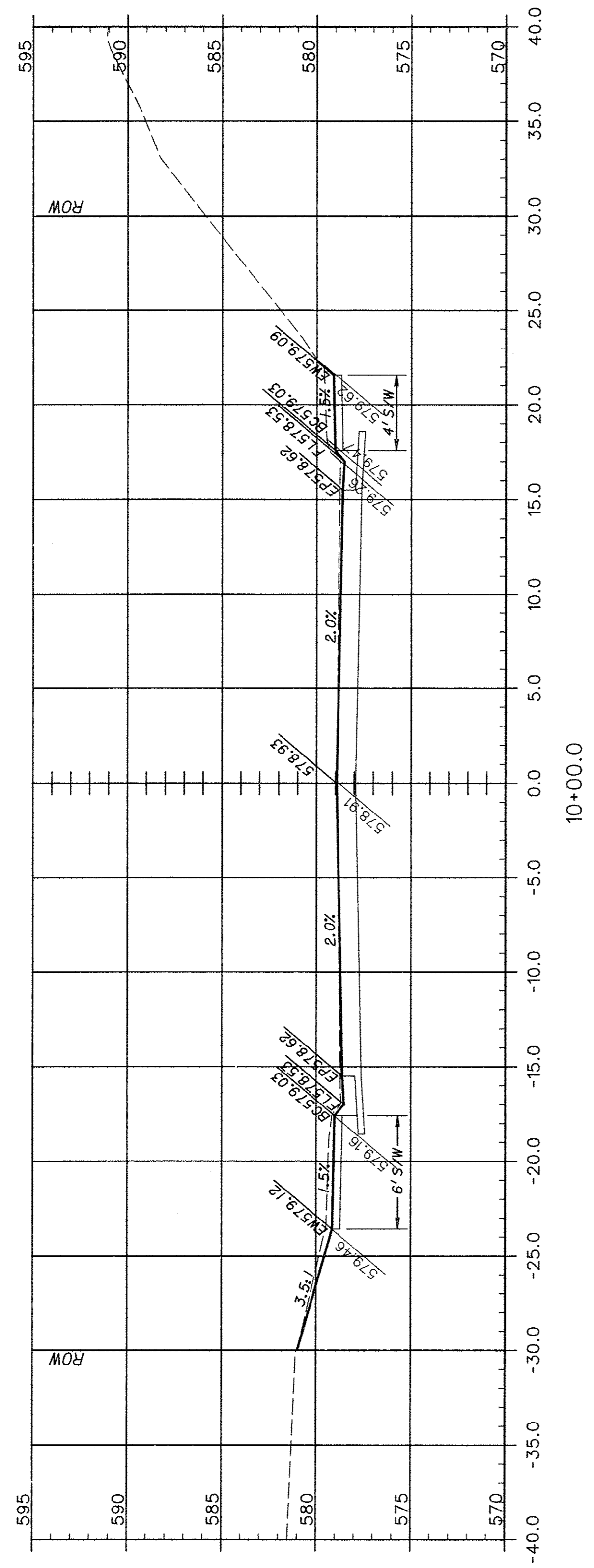
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	23
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				



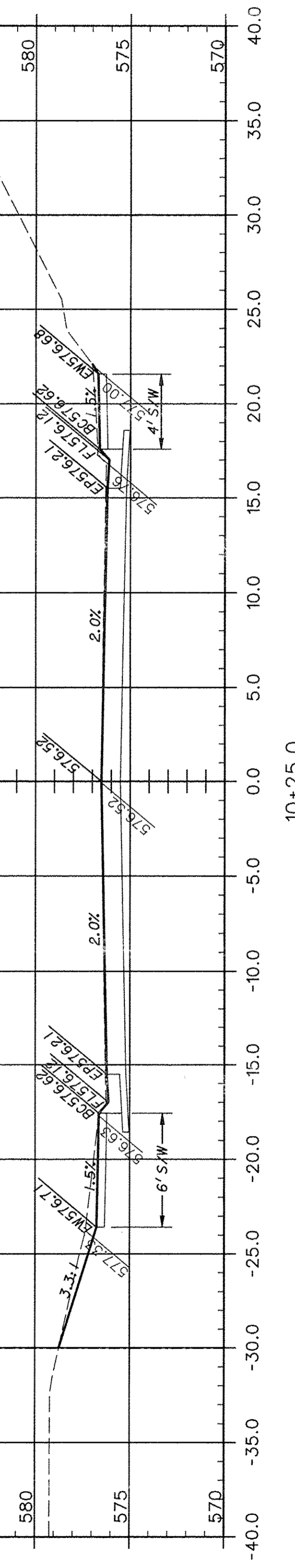
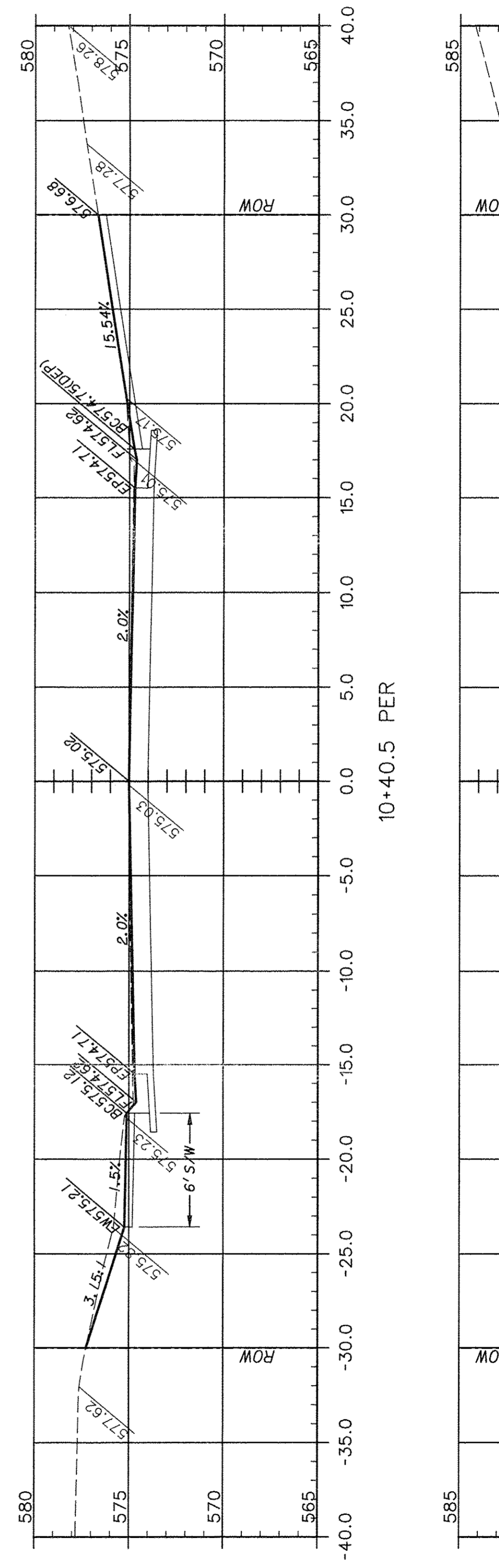
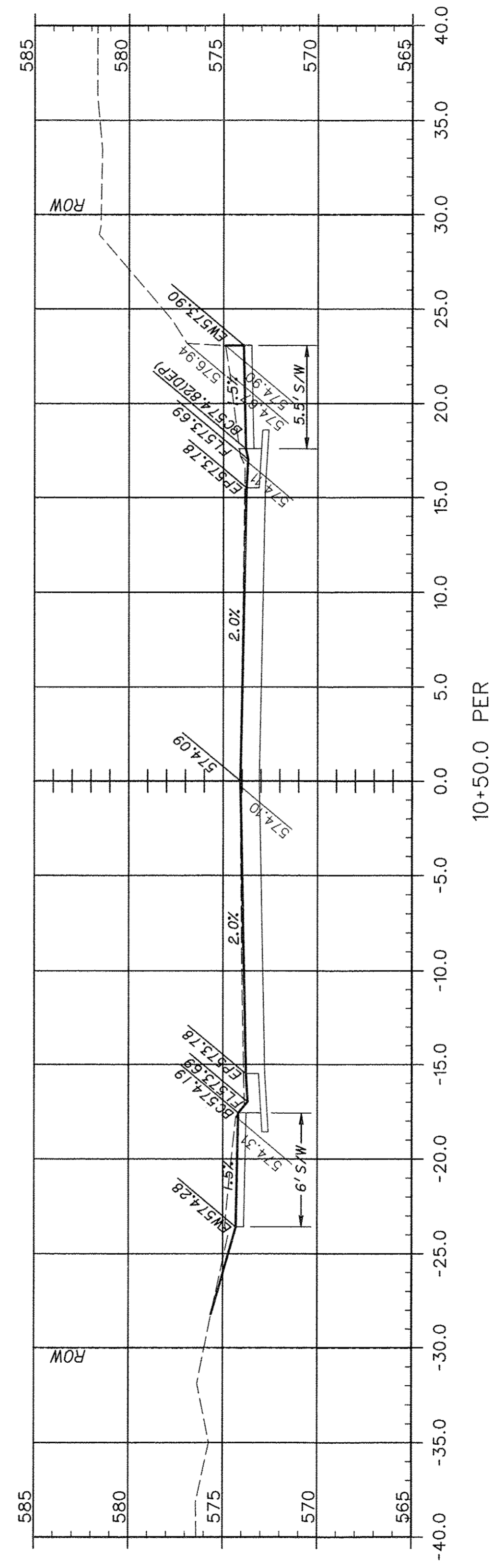
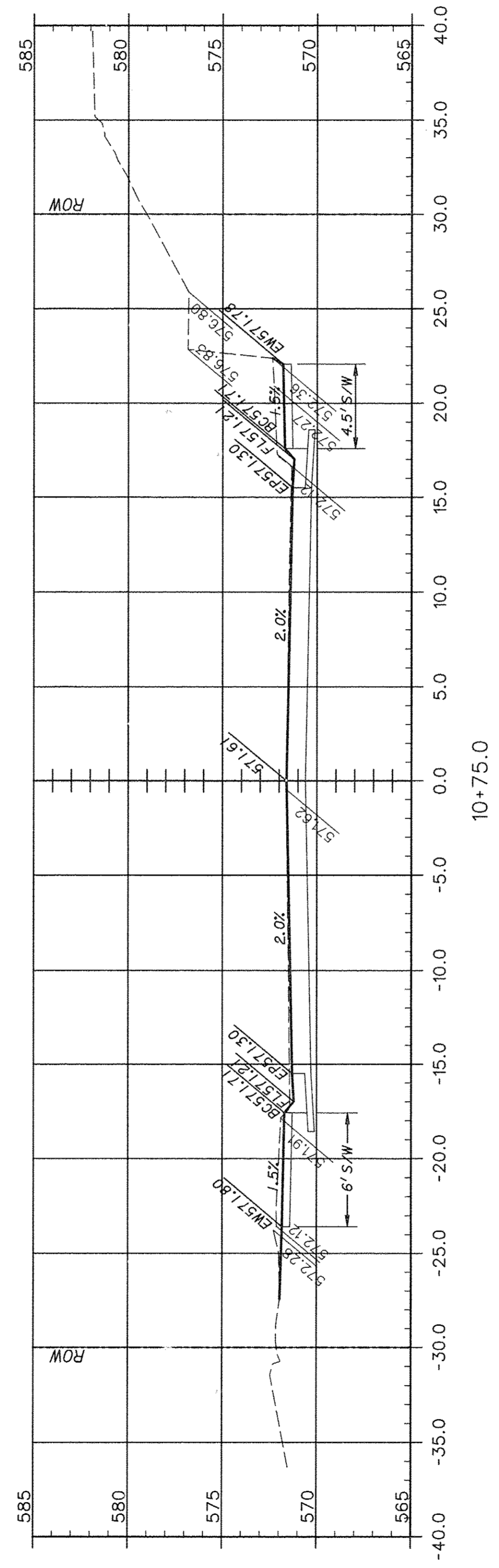
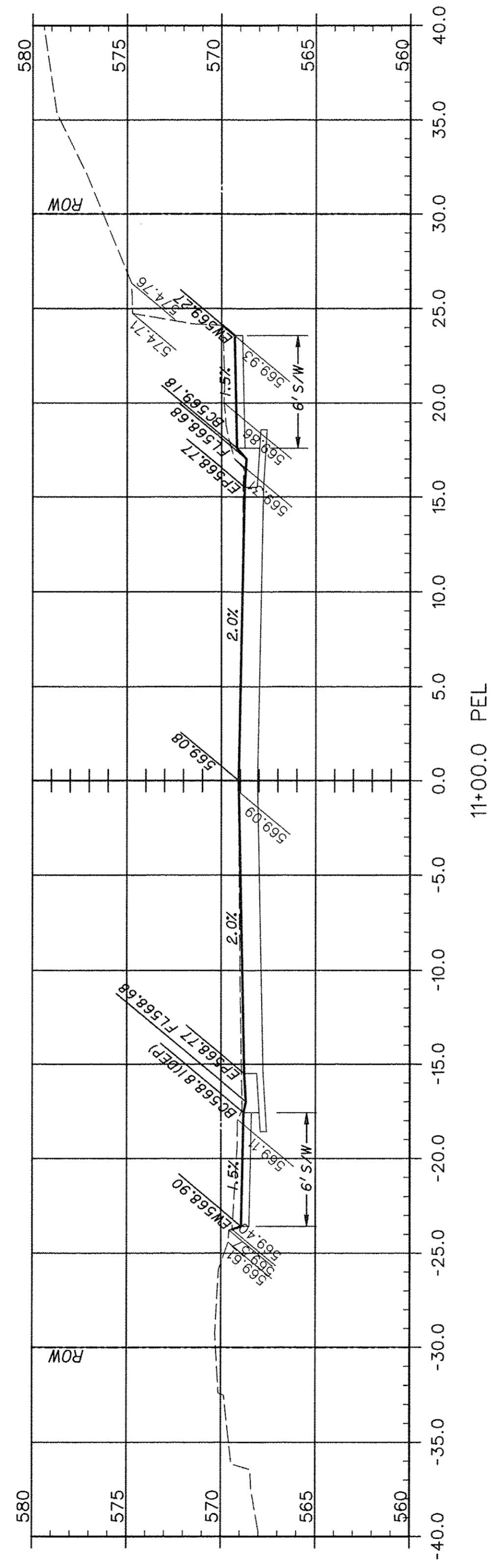
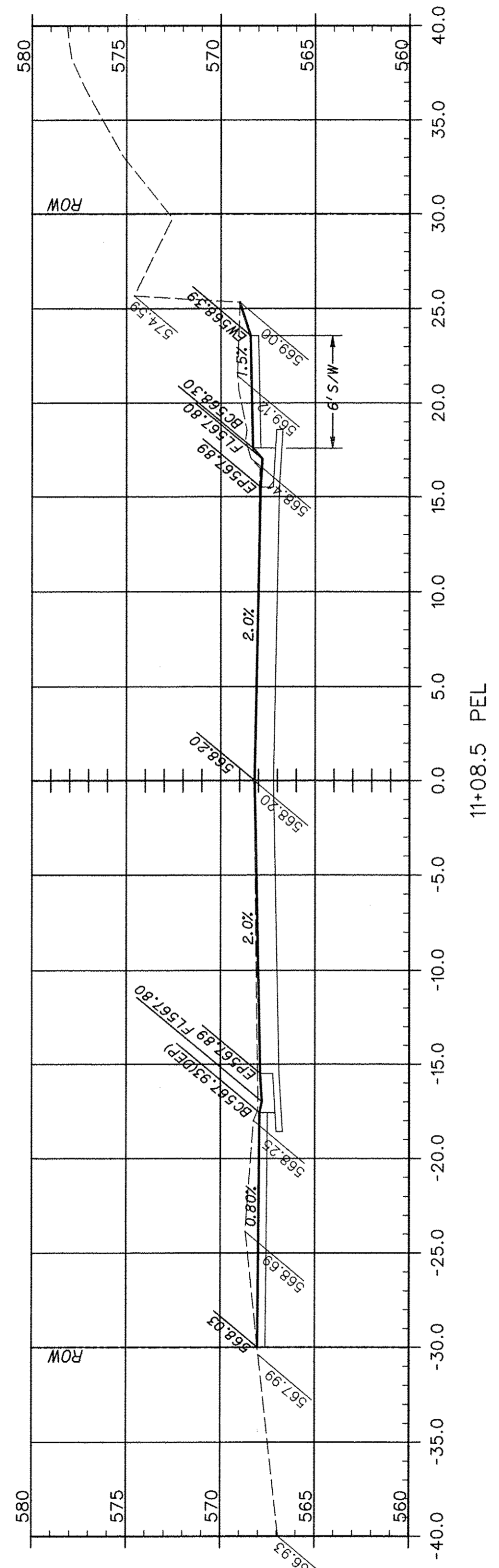
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	25
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				



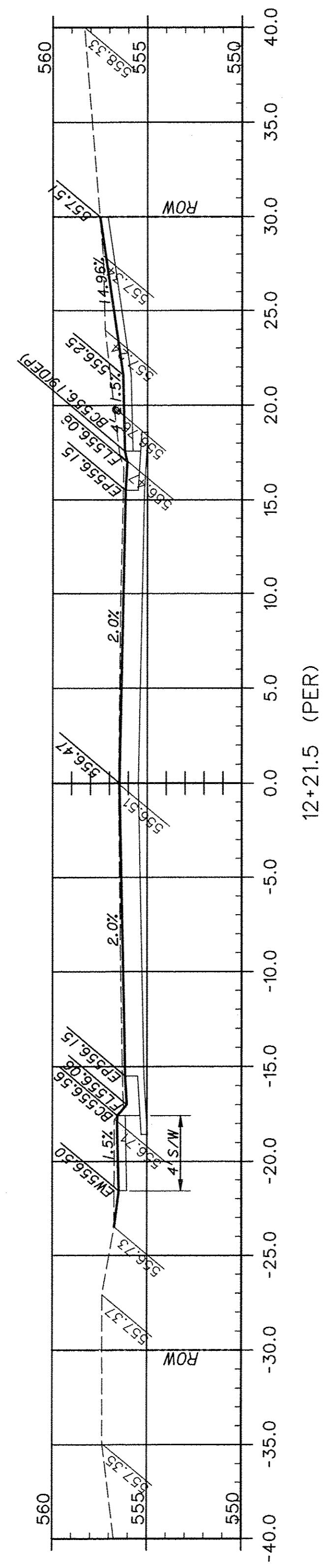
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	26
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				



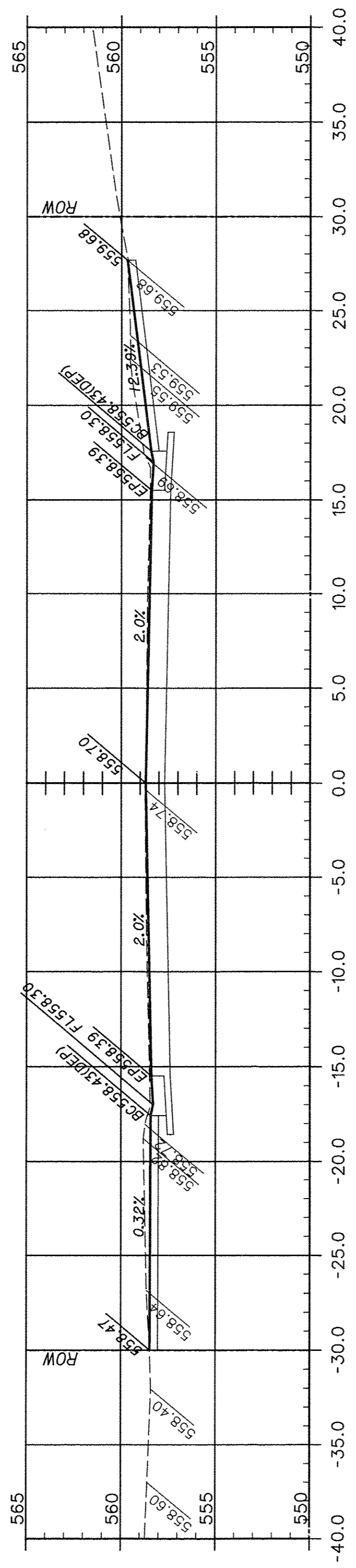
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	27
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				



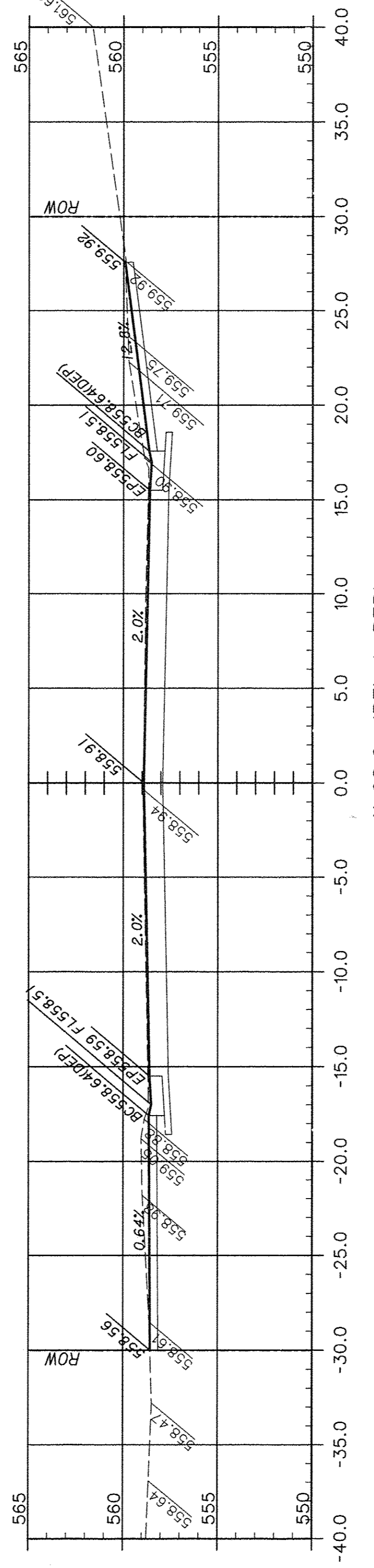
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	28
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				



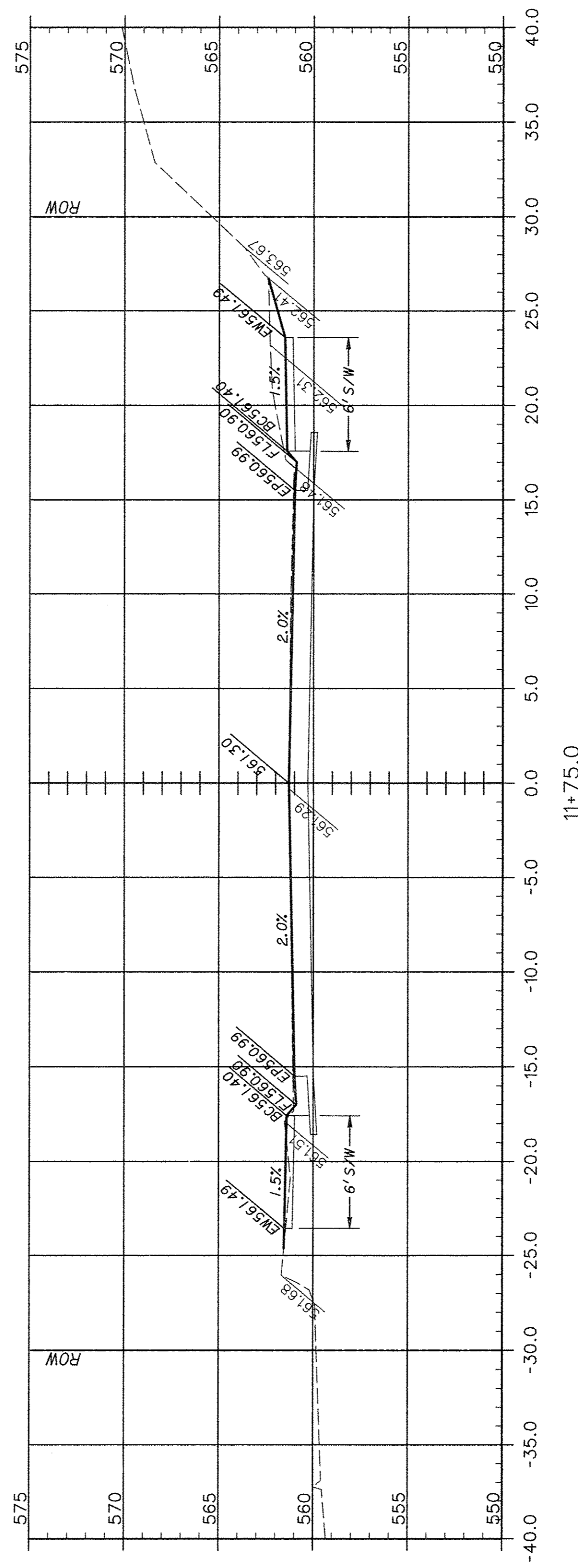
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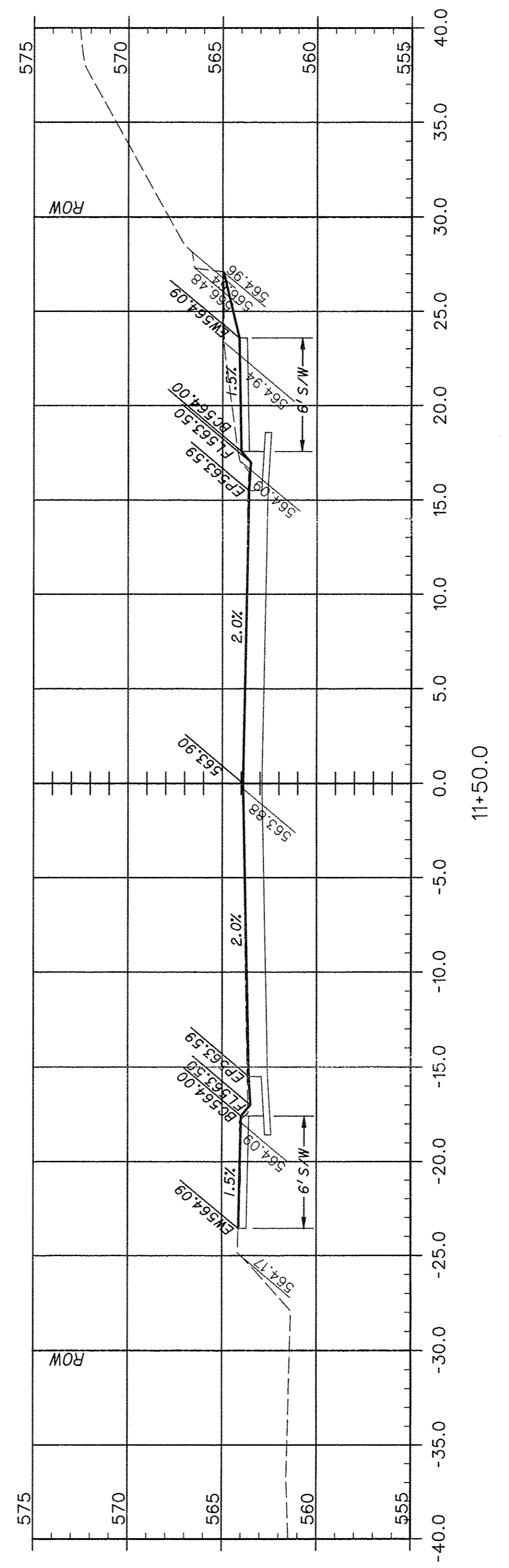
12+00.0 (PER & PEL)



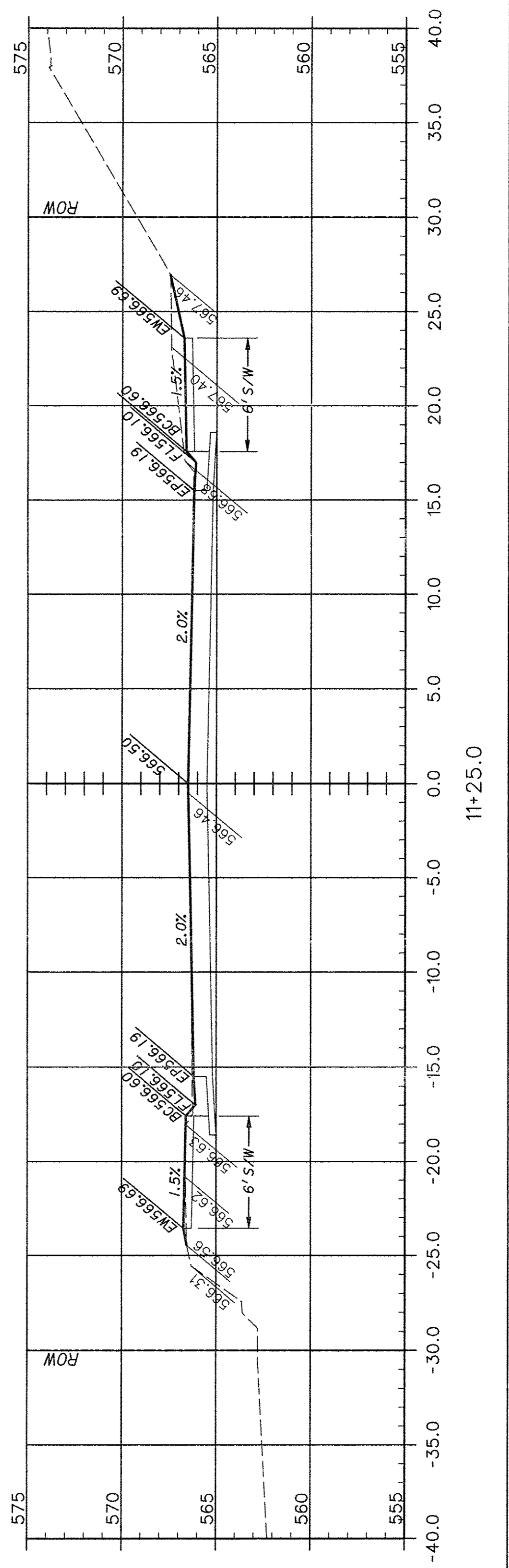
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11+75.0

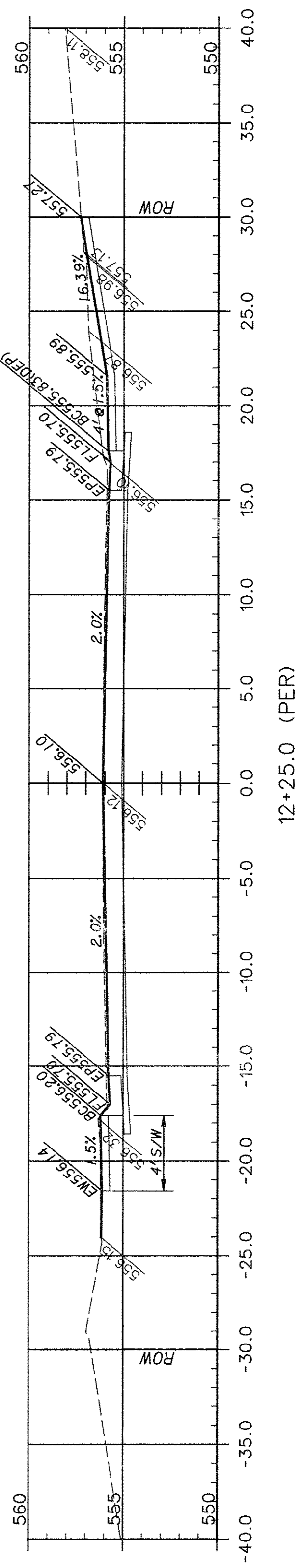
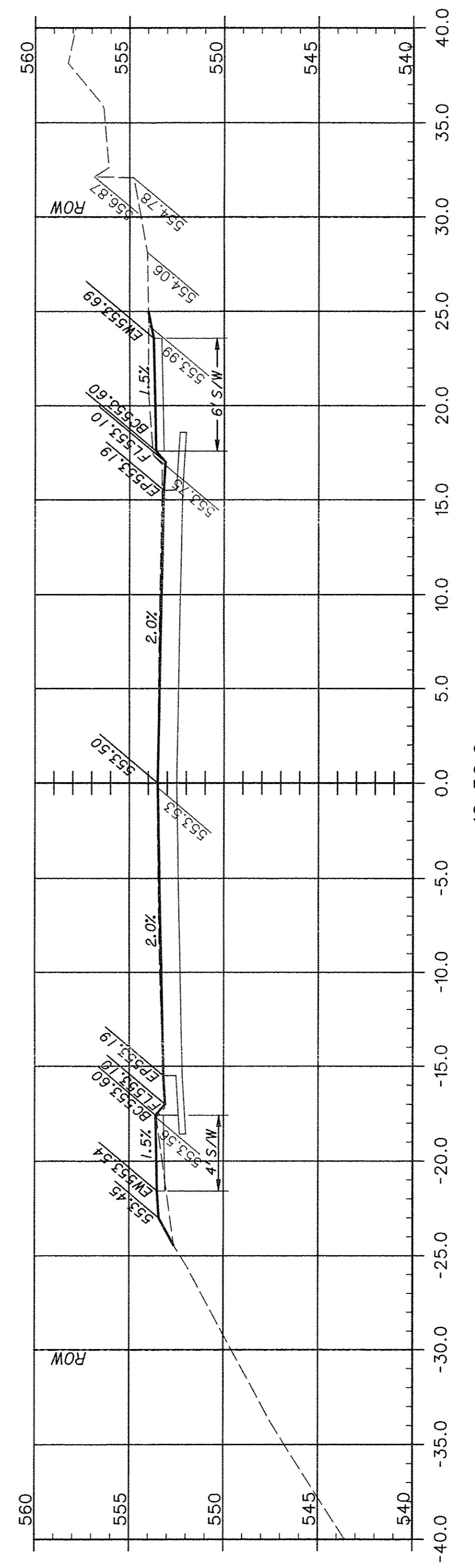
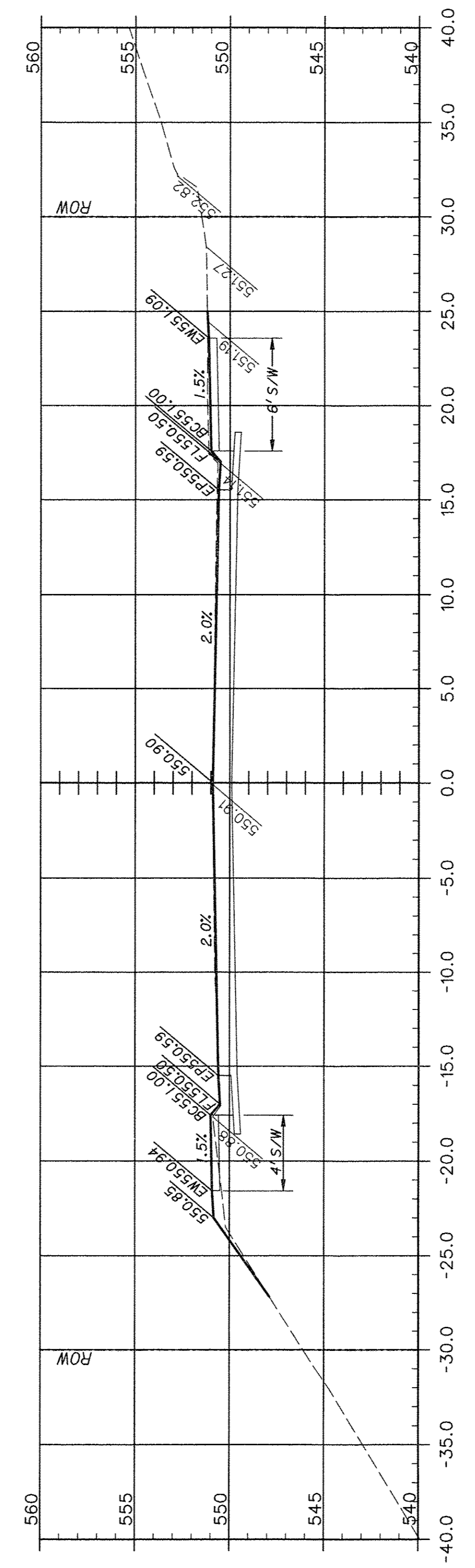
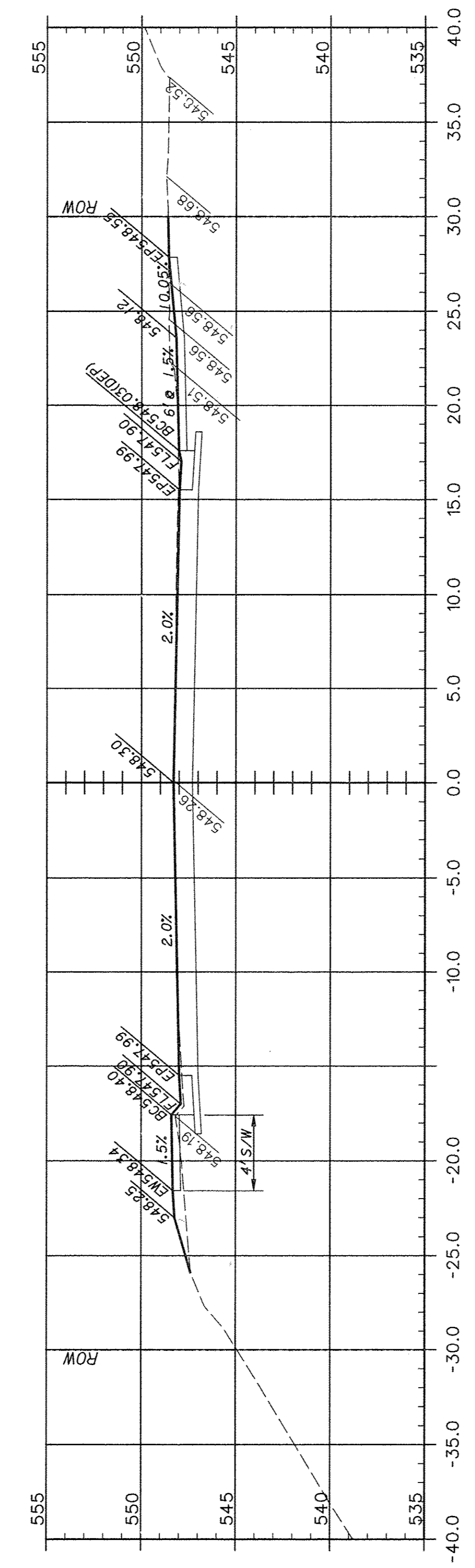
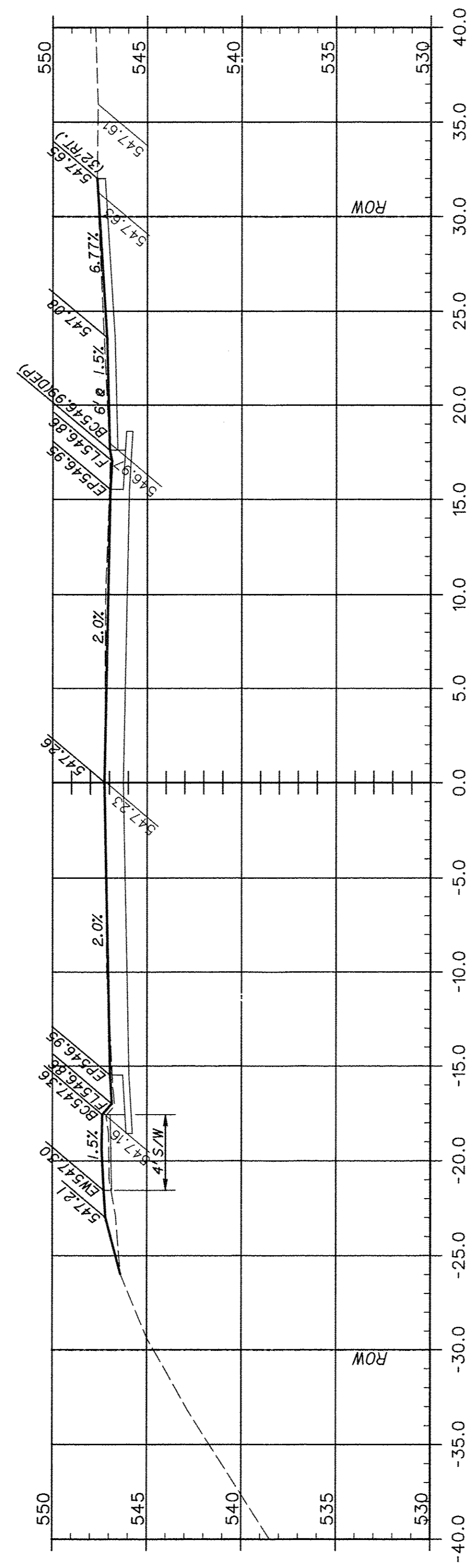
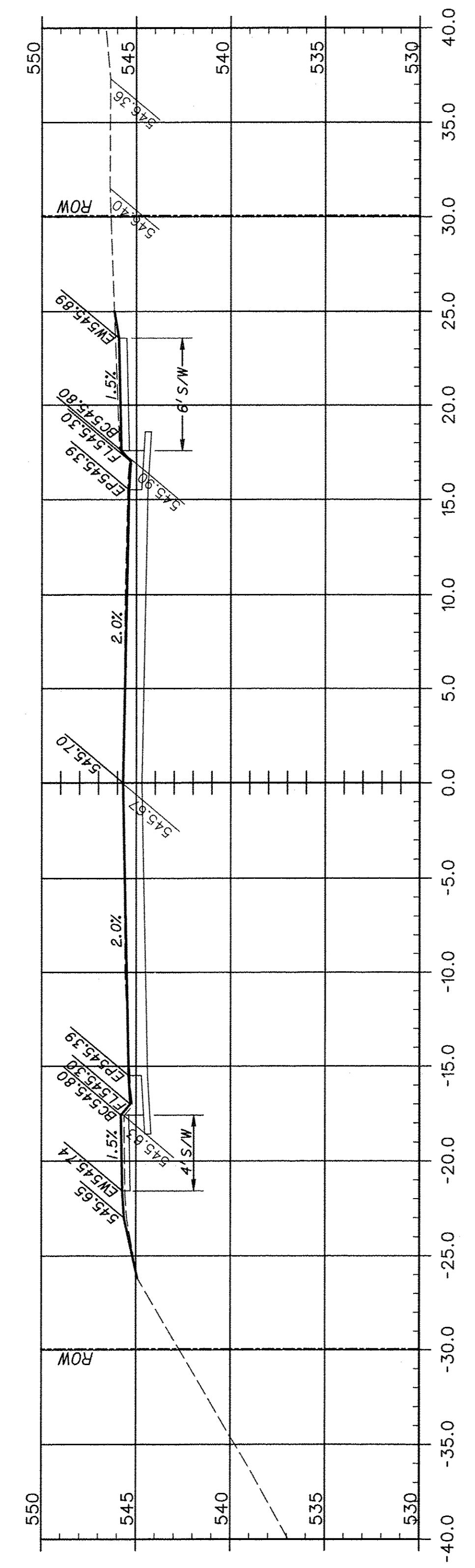


11+50.0

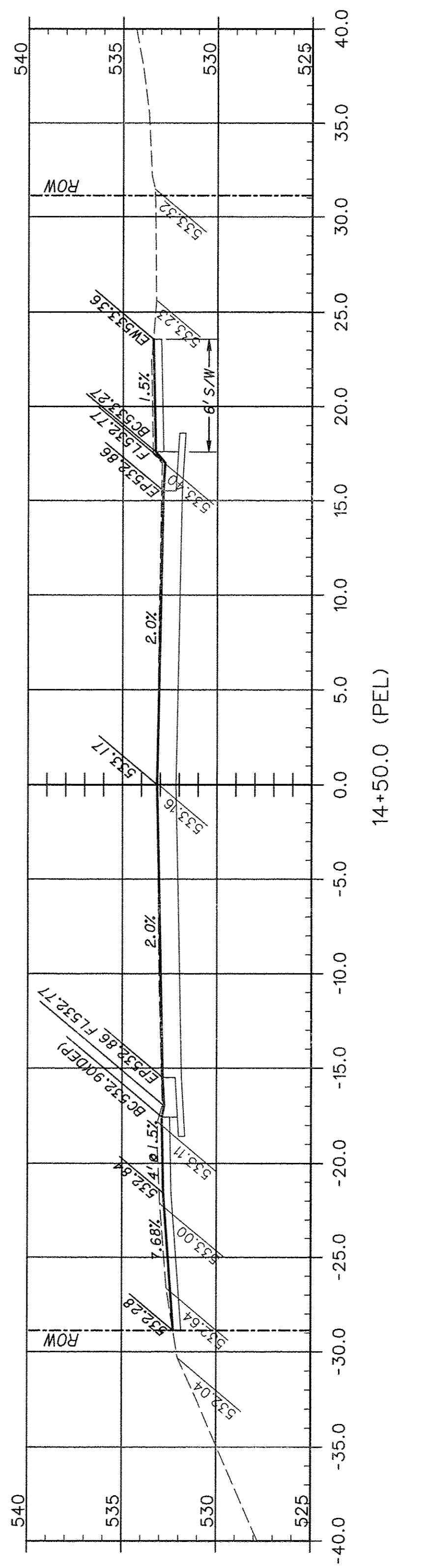
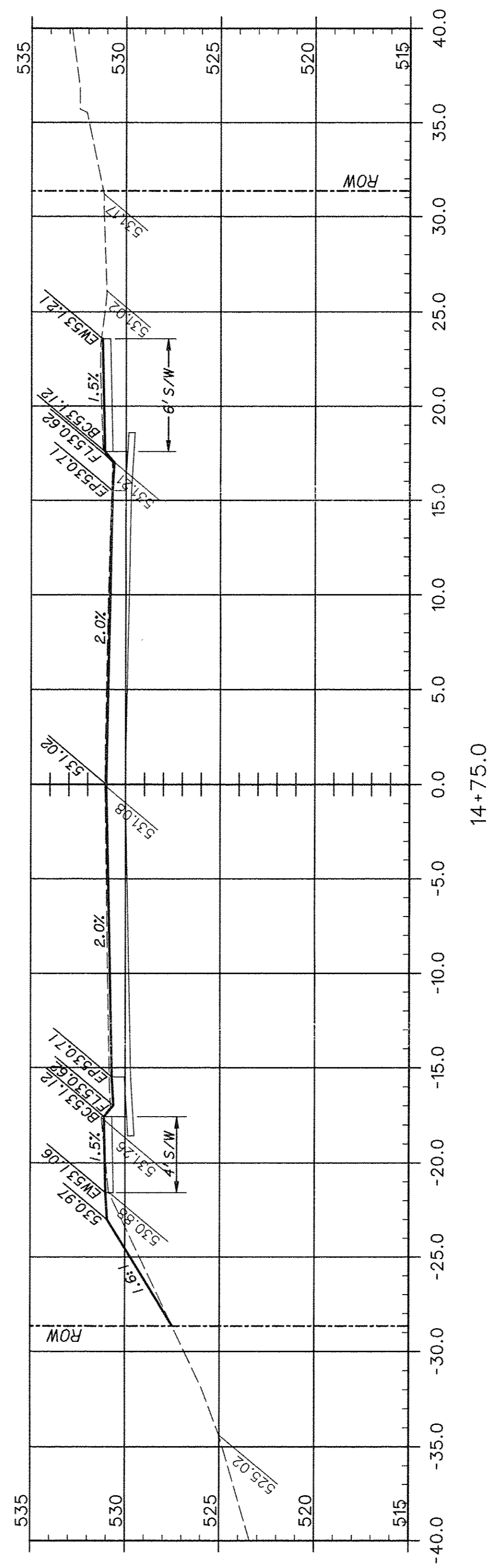
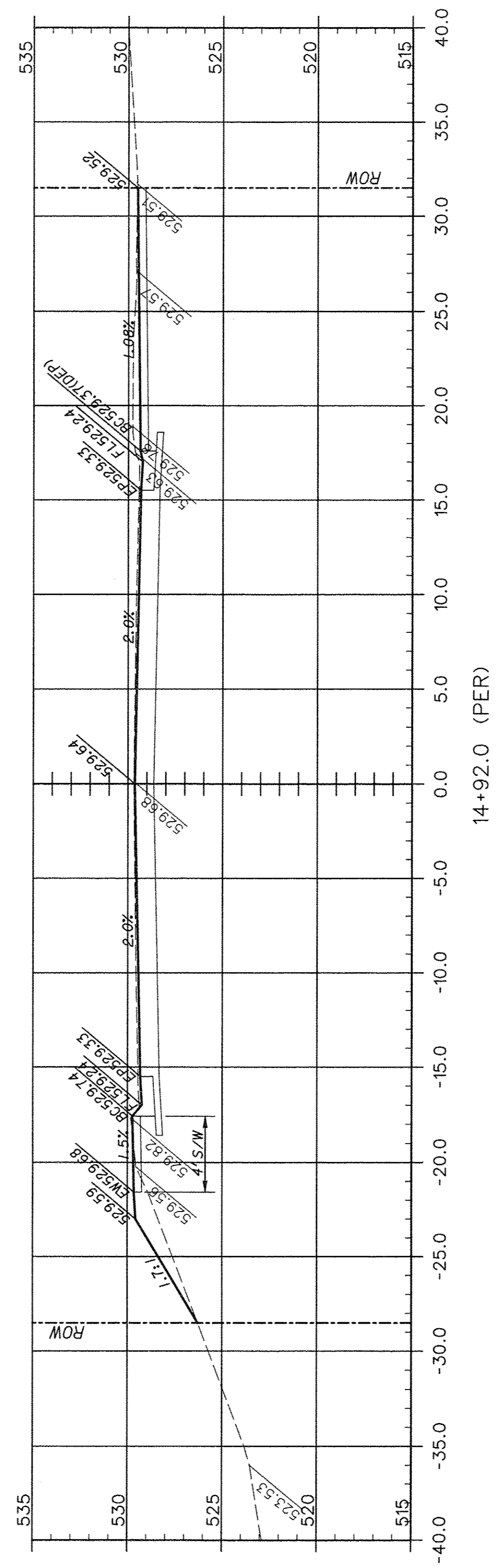
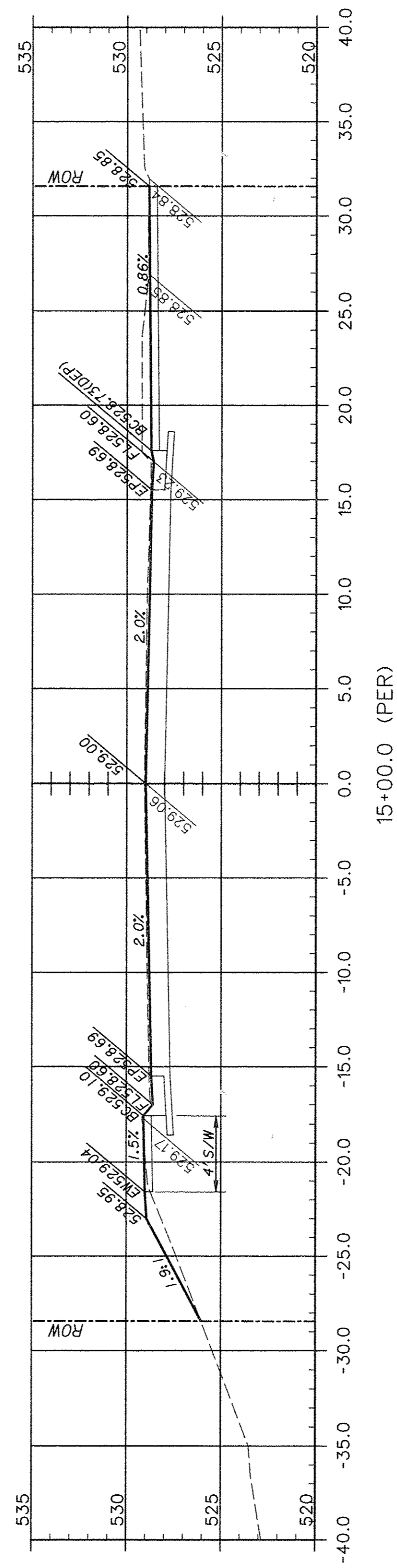
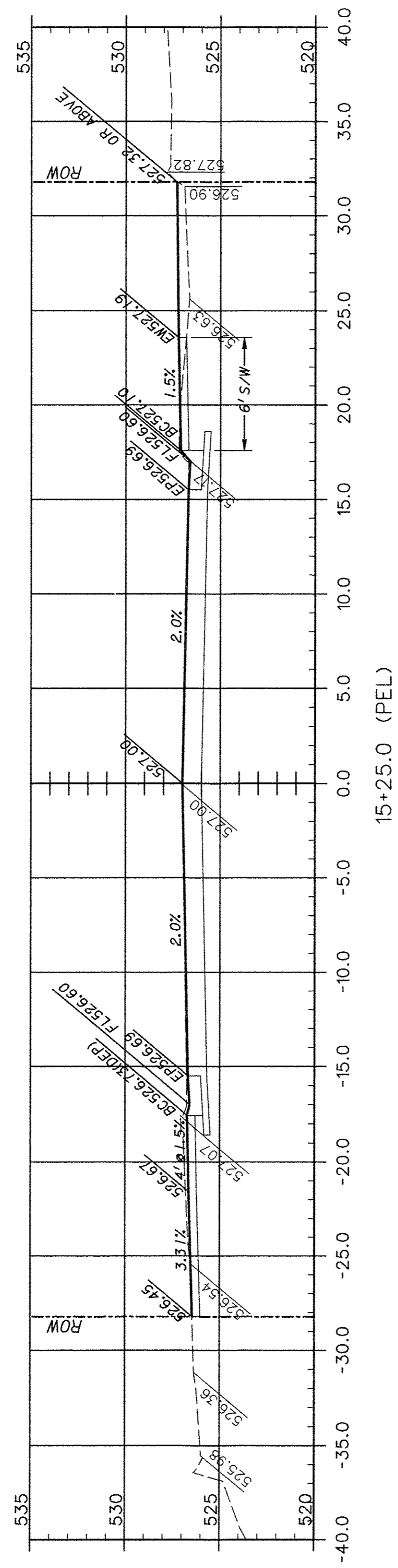
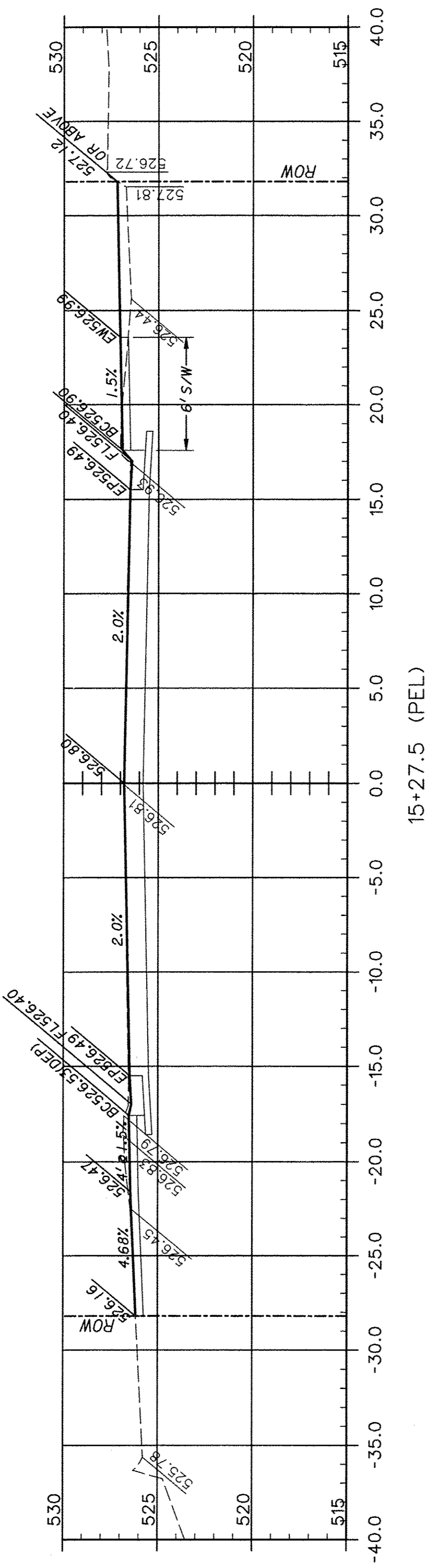


11+25.0

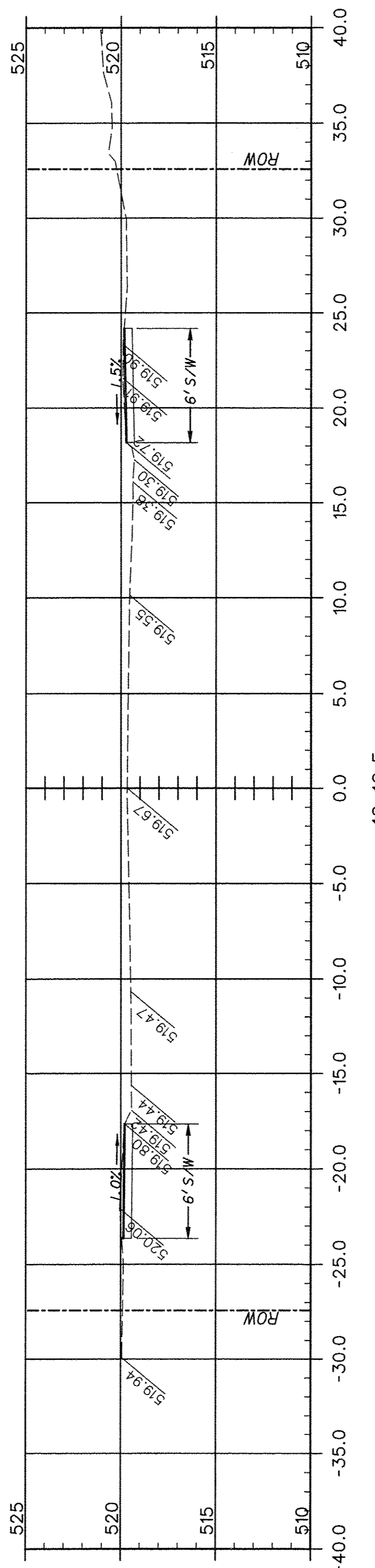
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	29
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				



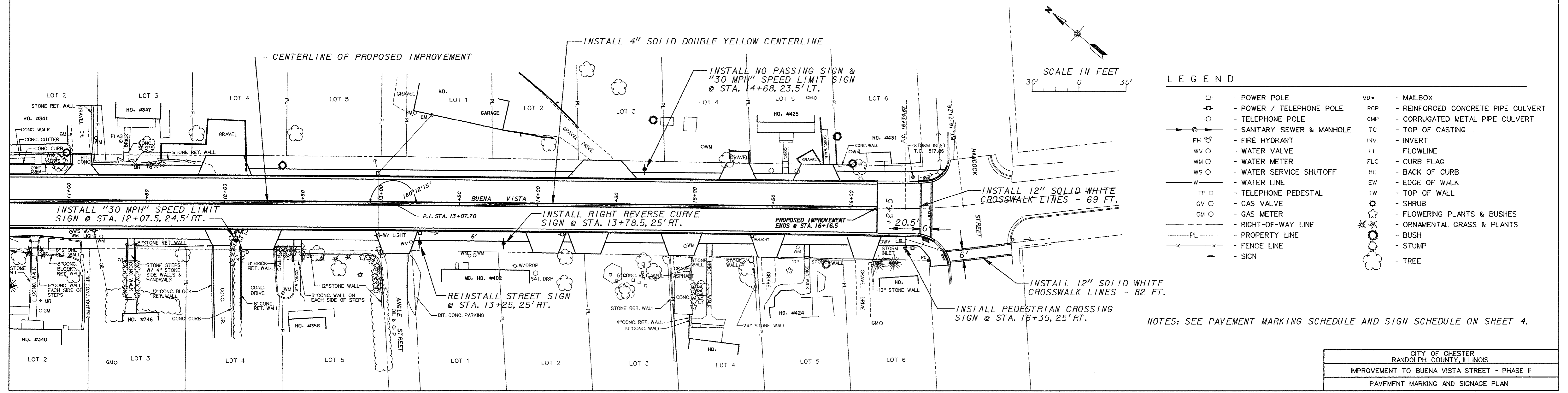
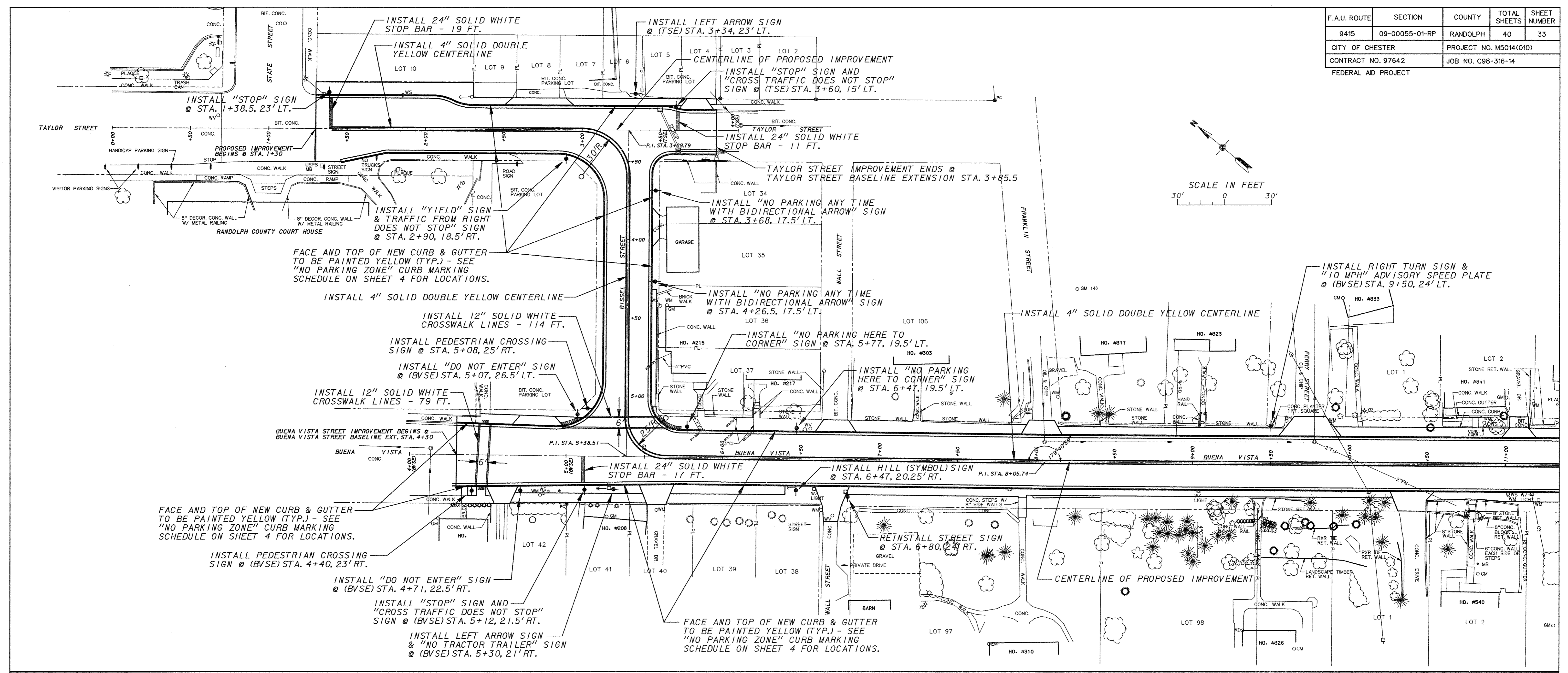
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	31
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	32
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				



F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	33
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				



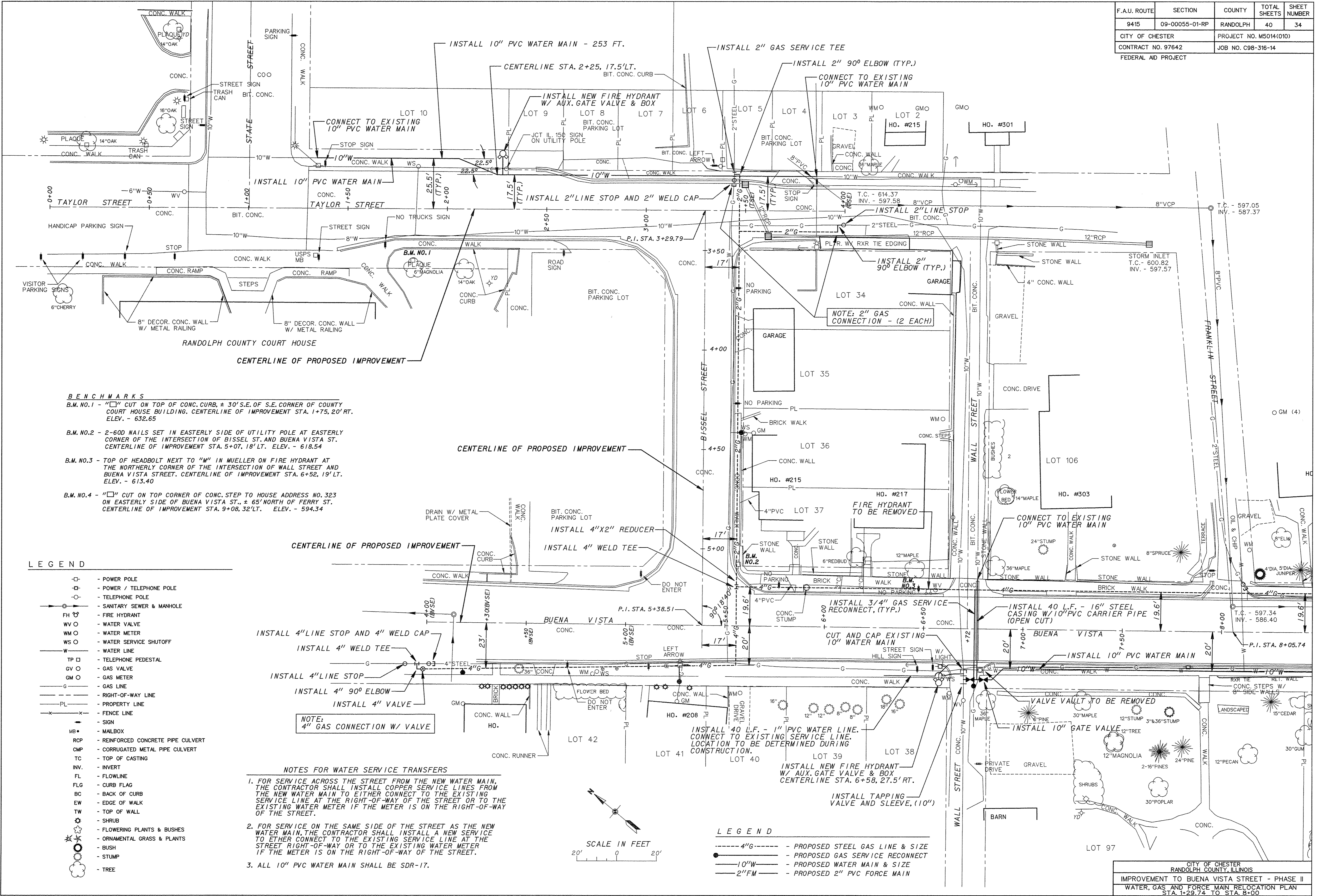
LEGEND

□	- POWER POLE	MB	- MAILBOX
○	- POWER / TELEPHONE POLE	RCP	- REINFORCED CONCRETE PIPE CULVERT
○	- TELEPHONE POLE	CMP	- CORRUGATED METAL PIPE CULVERT
○	- SANITARY SEWER & MANHOLE	TC	- TOP OF CASTING
FH	- FIRE HYDRANT	INV.	- INVERT
WV	- WATER VALVE	FL	- FLOWLINE
WM	- WATER METER	FLG	- CURB FLAG
WS	- WATER SERVICE SHUTOFF	BC	- BACK OF CURB
W	- WATER LINE	EW	- EDGE OF WALK
TP	- TELEPHONE PEDESTAL	TW	- TOP OF WALL
GV	- GAS VALVE	SR	- SHRUB
GM	- GAS METER	FP	- FLOWERING PLANTS & BUSHES
—	- RIGHT-OF-WAY LINE	OR	- ORNAMENTAL GRASS & PLANTS
—	- PROPERTY LINE	B	- BUSH
—	- FENCE LINE	S	- STUMP
—	- SIGN	T	- TREE

NOTES: SEE PAVEMENT MARKING SCHEDULE AND SIGN SCHEDULE ON SHEET 4.

CITY OF CHESTER RANDOLPH COUNTY, ILLINOIS	
IMPROVEMENT TO BUENA VISTA STREET - PHASE II	
PAVEMENT MARKING AND SIGNAGE PLAN	

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	34
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

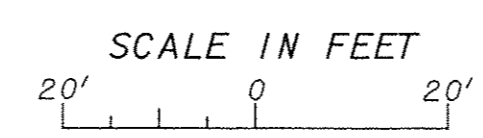


- BENCHMARKS**
- B.M. NO.1 - "1" CUT ON TOP OF CONC. CURB, ± 30' S.E. OF S.E. CORNER OF COUNTY COURT HOUSE BUILDING. CENTERLINE OF IMPROVEMENT STA. 1+75, 20' RT. ELEV. - 632.65
 - B.M. NO.2 - 2-60D NAILS SET IN EASTERLY SIDE OF UTILITY POLE AT EASTERLY CORNER OF THE INTERSECTION OF BISSEL ST. AND BUENA VISTA ST. CENTERLINE OF IMPROVEMENT STA. 5+07, 18' LT. ELEV. - 618.54
 - B.M. NO.3 - TOP OF HEADBOLT NEXT TO "M" IN MUELLER ON FIRE HYDRANT AT THE NORTHERLY CORNER OF THE INTERSECTION OF WALL STREET AND BUENA VISTA STREET. CENTERLINE OF IMPROVEMENT STA. 6+52, 19' LT. ELEV. - 613.40
 - B.M. NO.4 - "1" CUT ON TOP CORNER OF CONC. STEP TO HOUSE ADDRESS NO. 323 ON EASTERLY SIDE OF BUENA VISTA ST., ± 65' NORTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 9+08, 32' LT. ELEV. - 594.34

LEGEND

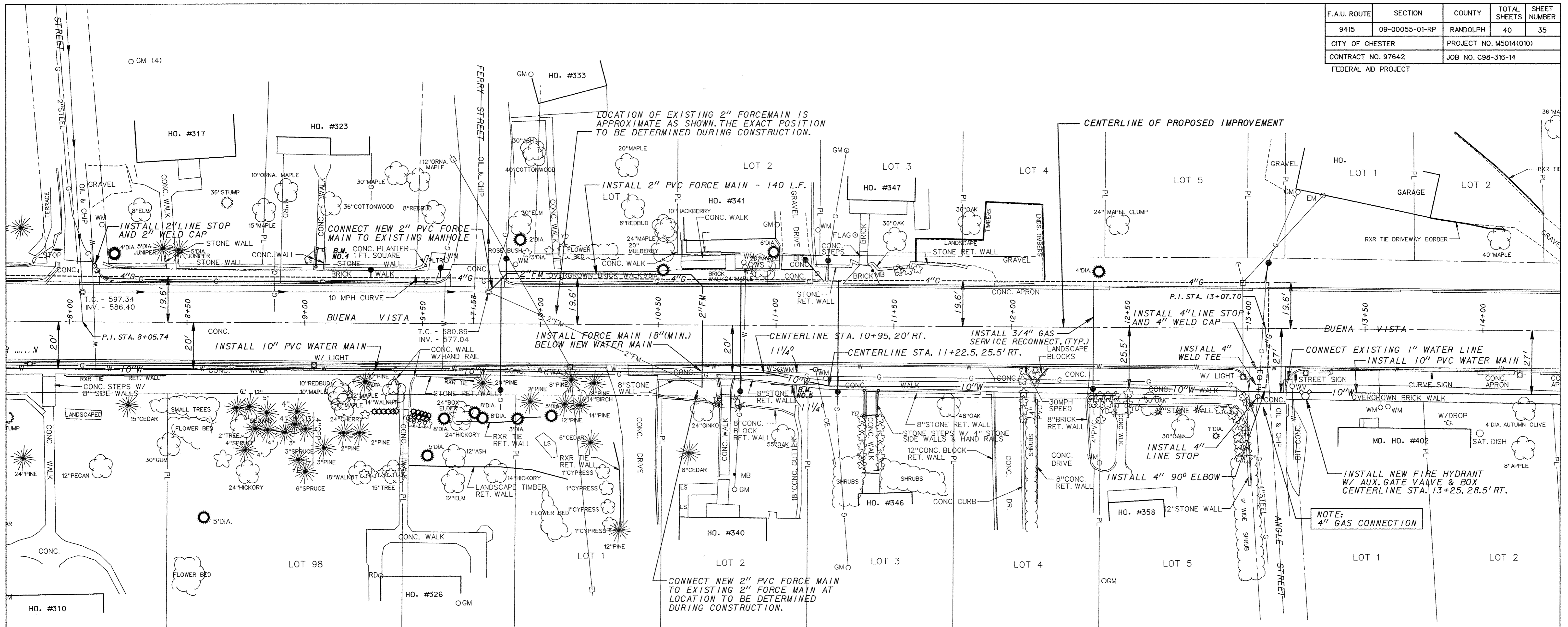
- ⊕ - POWER POLE
- ⊕ - POWER / TELEPHONE POLE
- - TELEPHONE POLE
- ⊕ - SANITARY SEWER & MANHOLE
- FH ⊕ - FIRE HYDRANT
- WV ○ - WATER VALVE
- WM ○ - WATER METER
- WS ○ - WATER SERVICE SHUTOFF
- W - WATER LINE
- TP ⊕ - TELEPHONE PEDESTAL
- GV ○ - GAS VALVE
- GM ○ - GAS METER
- G - GAS LINE
- — — - RIGHT-OF-WAY LINE
- PL - PROPERTY LINE
- - - - - FENCE LINE
- — — - SIGN
- MB • - MAILBOX
- RCP - REINFORCED CONCRETE PIPE CULVERT
- CMP - CORRUGATED METAL PIPE CULVERT
- TC - TOP OF CASTING
- INV. - INVERT
- FL - FLOWLINE
- FLG - CURB FLAG
- BC - BACK OF CURB
- EW - EDGE OF WALK
- TW - TOP OF WALL
- - SHRUB
- ✿ - FLOWERING PLANTS & BUSHES
- ✿ - ORNAMENTAL GRASS & PLANTS
- ✿ - BUSH
- ⊕ - STUMP
- ⊕ - TREE

- NOTES FOR WATER SERVICE TRANSFERS**
- FOR SERVICE ACROSS THE STREET FROM THE NEW WATER MAIN, THE CONTRACTOR SHALL INSTALL COPPER SERVICE LINES FROM THE NEW WATER MAIN TO EITHER CONNECT TO THE EXISTING SERVICE LINE AT THE STREET RIGHT-OF-WAY OR TO THE EXISTING WATER METER IF THE METER IS ON THE RIGHT-OF-WAY OF THE STREET.
 - FOR SERVICE ON THE SAME SIDE OF THE STREET AS THE NEW WATER MAIN, THE CONTRACTOR SHALL INSTALL A NEW SERVICE TO EITHER CONNECT TO THE EXISTING SERVICE LINE AT THE STREET RIGHT-OF-WAY OR TO THE EXISTING WATER METER IF THE METER IS ON THE RIGHT-OF-WAY OF THE STREET.
 - ALL 10" PVC WATER MAIN SHALL BE SDR-17.



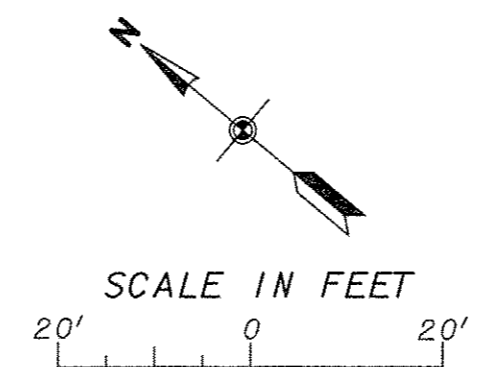
- LEGEND**
- 4" G --- PROPOSED STEEL GAS LINE & SIZE
 - 10" W --- PROPOSED GAS SERVICE RECONNECT
 - 10" W --- PROPOSED WATER MAIN & SIZE
 - 2" FM --- PROPOSED 2" PVC FORCE MAIN

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	35
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				



LEGEND

⊕	- POWER POLE
⊕	- POWER / TELEPHONE POLE
⊕	- TELEPHONE POLE
⊕	- SANITARY SEWER & MANHOLE
FH ⊕	- FIRE HYDRANT
WV ⊕	- WATER VALVE
WM ⊕	- WATER METER
WS ⊕	- WATER SERVICE SHUTOFF
—	- WATER LINE
TP ⊕	- TELEPHONE PEDESTAL
GV ⊕	- GAS VALVE
GM ⊕	- GAS METER
—	- GAS LINE
—	- RIGHT-OF-WAY LINE
—	- PROPERTY LINE
—	- FENCE LINE
—	- SIGN
MB •	- MAILBOX
RCP	- REINFORCED CONCRETE PIPE CULVERT
CMP	- CORRUGATED METAL PIPE CULVERT
TC	- TOP OF CASTING
INV.	- INVERT
FL	- FLOWLINE
FLG	- CURB FLAG
BC	- BACK OF CURB
EW	- EDGE OF WALK
TW	- TOP OF WALL
⊕	- SHRUB
⊕	- FLOWERING PLANTS & BUSHES
⊕	- ORNAMENTAL GRASS & PLANTS
⊕	- BUSH
⊕	- STUMP
⊕	- TREE



LEGEND

----- 4" G -----	- PROPOSED STEEL GAS LINE & SIZE
●-----	- PROPOSED GAS SERVICE RECONNECT
— 10" W —	- PROPOSED WATER MAIN & SIZE
— 2" FM —	- PROPOSED 2" PVC FORCE MAIN

BENCHMARKS

- B.M. NO.3 - TOP OF HEADBOLT NEXT TO "M" IN MUELLER ON FIRE HYDRANT AT THE NORTHERLY CORNER OF THE INTERSECTION OF WALL STREET AND BUENA VISTA STREET. CENTERLINE OF IMPROVEMENT STA. 6+52, 19' LT. ELEV. - 613.40
- B.M. NO.4 - "1" CUT ON TOP CORNER OF CONC. STEP TO HOUSE ADDRESS NO. 323 ON EASTERLY SIDE OF BUENA VISTA ST., ± 65' NORTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 9+08, 32' LT. ELEV. - 594.34
- B.M. NO.5 - "1" CUT ON TOP CORNER OF STONE RET. WALL TO HOUSE ADDRESS NO. 340 ON WESTERLY SIDE OF BUENA VISTA ST., ± 140' SOUTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 11+09, 25' RT. ELEV. - 574.58
- B.M. NO.6 - 2-60D NAILS SET IN WESTERLY SIDE OF POWER POLE ON EASTERLY SIDE OF BUENA VISTA STREET ± 75' NORTH OF HANCOCK STREET. CENTERLINE OF IMPROVEMENT STA. 16+08, 18' LT. ELEV. - 521.41

NOTES FOR WATER SERVICE TRANSFERS

1. FOR SERVICE ACROSS THE STREET FROM THE NEW WATER MAIN, THE CONTRACTOR SHALL INSTALL COPPER SERVICE LINES FROM THE NEW WATER MAIN TO EITHER CONNECT TO THE EXISTING SERVICE LINE AT THE RIGHT-OF-WAY OF THE STREET OR TO THE EXISTING WATER METER IF THE METER IS ON THE RIGHT-OF-WAY OF THE STREET.
2. FOR SERVICE ON THE SAME SIDE OF THE STREET AS THE NEW WATER MAIN, THE CONTRACTOR SHALL INSTALL A NEW SERVICE TO EITHER CONNECT TO THE EXISTING SERVICE LINE AT THE STREET RIGHT-OF-WAY OR TO THE EXISTING WATER METER IF THE METER IS ON THE RIGHT-OF-WAY OF THE STREET.
3. ALL 10" PVC WATER MAIN SHALL BE SDR-17.

CITY OF CHESTER RANDOLPH COUNTY, ILLINOIS	
IMPROVEMENT TO BUENA VISTA STREET - PHASE II WATER, GAS AND FORCE MAIN RELOCATION PLAN STA. 8+00 TO STA. 14+00	

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	36
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

NOTES FOR WATER SERVICE TRANSFERS

- FOR SERVICE ACROSS THE STREET FROM THE NEW WATER MAIN, THE CONTRACTOR SHALL INSTALL COPPER SERVICE LINES FROM THE NEW WATER MAIN TO EITHER CONNECT TO THE EXISTING SERVICE LINE AT THE RIGHT-OF-WAY OF THE STREET OR TO THE EXISTING WATER METER IF THE METER IS ON THE RIGHT-OF-WAY OF THE STREET.
- FOR SERVICE ON THE SAME SIDE OF THE STREET AS THE NEW WATER MAIN, THE CONTRACTOR SHALL INSTALL A NEW SERVICE TO EITHER CONNECT TO THE EXISTING SERVICE LINE AT THE STREET RIGHT-OF-WAY OR TO THE EXISTING WATER METER IF THE METER IS ON THE RIGHT-OF-WAY OF THE STREET.
- ALL 10" PVC WATER MAIN SHALL BE SDR-17.

GENERAL NOTES FOR WATER MAIN

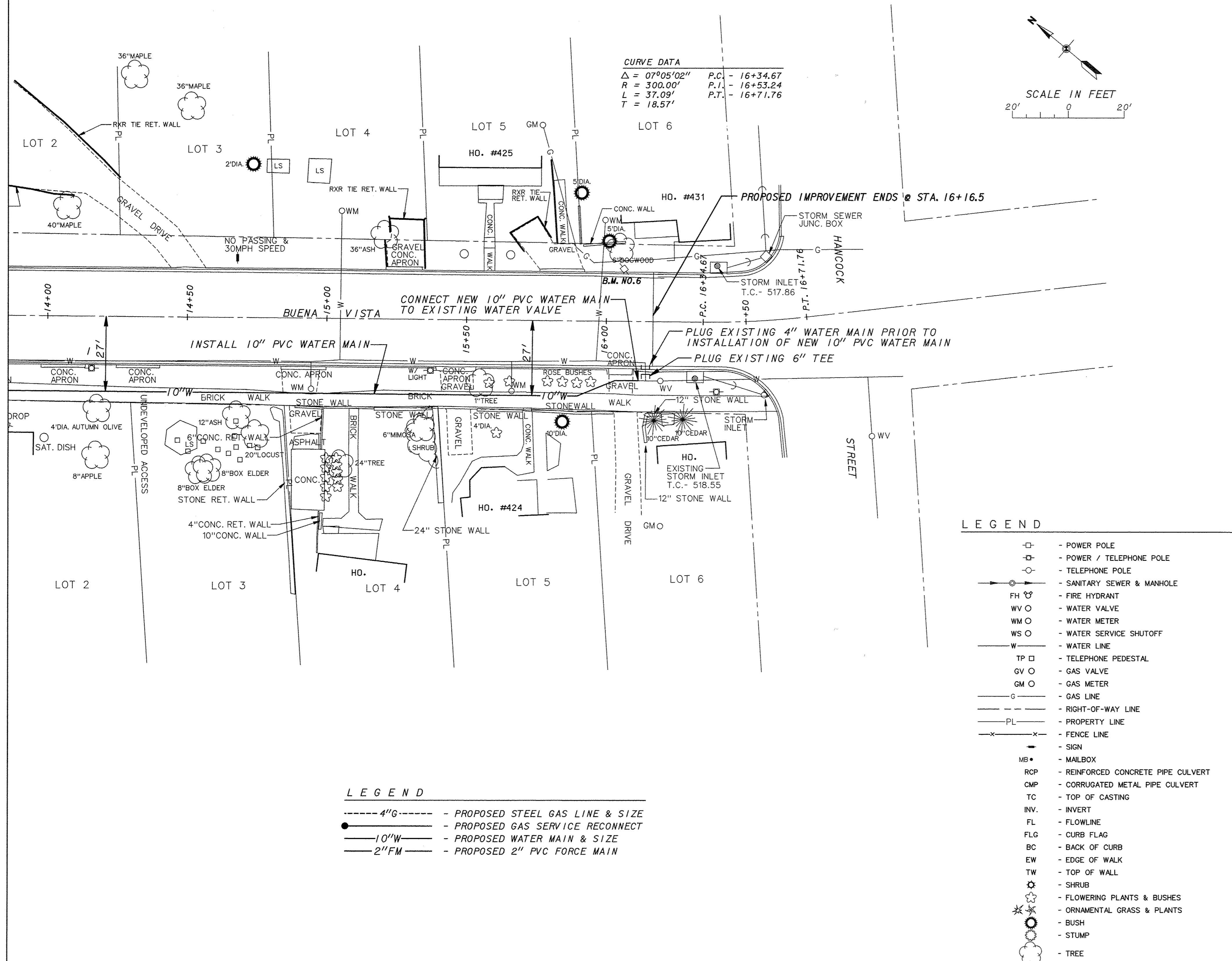
- OPENING AND CLOSING OF EXISTING VALVES AND/OR STARTUP OR SHUTDOWN OF EXISTING SYSTEM SHALL BE DONE ONLY BY THE ENGINEER OR OWNER'S AUTHORIZED REPRESENTATIVE SO THAT EXISTING FACILITIES ARE NOT DAMAGED OR UNDULY INTERRUPTED.
- NOT ALL OF THE EXISTING WATER, SEWER, GAS, POWER AND/OR TELEPHONE LINES WHETHER ABOVE OR BELOW GROUND SURFACE HAVE BEEN SHOWN ON THE PLANS. THE LOCATION OF EXISTING UNDERGROUND UTILITIES HAS BEEN DETERMINED FROM THE BEST AVAILABLE INFORMATION AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR MUST ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER SHOWN OR NOT SHOWN, AND MUST REALIZE THAT THE ACTUAL LOCATION OF THE UTILITIES SHOWN ON THE PLANS MAY BE DIFFERENT FOR THE LOCATION INDICATED.
- ALL EXISTING UTILITIES ENCOUNTERED IN THE WORK SHALL BE MAINTAINED IN SERVICE BY THE CONTRACTOR. ANY UTILITY WHICH CAN BE MOVED WITHOUT UNDUE INTERRUPTION OF SERVICE DURING CONSTRUCTION TO CLEAR THE WORK, MAY BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE, UPON RECEIPT OF WRITTEN PERMISSION OF THE UTILITY OWNER. THE CONTRACTOR SHALL NOTIFY AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION THE OWNERS OF UTILITIES AND SHALL COORDINATE WITH THE UTILITY OWNERS TO PREVENT DAMAGE TO THEIR FACILITIES (J.U.L.I.E. 1-800-892-0123).
- WHEN PROPERTY, RIGHT-OF-WAY, BENCHMARKS AND LANDMARKS ARE ENCOUNTERED IN THE WORK, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE DISTURBING MONUMENTS, ALL MARKERS AND MONUMENTS SHALL BE PROTECTED UNTIL THE ENGINEER, LAND SURVEYOR, OR REPRESENTATIVE THEREOF HAS WITNESSED AND REFERENCED THEIR LOCATION. THEY SHALL BE REPLACED BY AN ILL. REG. LAND SURVEYOR.
- ALL WATER MAIN SHALL HAVE 42" MINIMUM COVER OVER TOP OF PIPE UNLESS OTHERWISE SPECIFIED
- FURNISH AND INSTALL READY MIX CONCRETE THRUST BLOCKS AT ALL BENDS, PIPE ENDS, CHANGES IN PIPE DIRECTIONS AND AS NOTED. CONTRACTOR SHALL PROVIDE 600 SQ. IN. OF CONCRETE THRUST BLOCKS.
- ALL DUCTILE IRON FITTINGS SHALL BE CEMENT MORTAR LINED IN ACCORDANCE WITH AWWA C104/A21.4
- WATER MAIN SHALL BE PRESSURE TESTED IN ACCORDANCE WITH SPECIFICATIONS PRIOR TO FINAL ACCEPTANCE, IN THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE. PRESSURE TEST AT 200 P.S.I. (SDR 17).
- THE CONTRACTOR SHALL DISINFECT THE PROPOSED WATER MAIN IN ACCORDANCE WITH THE SPECIFICATIONS PRIOR TO FINAL ACCEPTANCE BACTERIOLOGICAL SAMPLES SHALL BE TAKEN IN THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE.
- ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESEED IN ACCORDANCE WITH THE SPECIFICATIONS.
- WHERE PLUGS OR COUPLINGS ARE REMOVED FROM EXISTING MAINS, THEY SHALL BE TAGGED AND LOCATION IDENTIFIED AND TURNED OVER TO THE ENGINEER.
- COST FOR FITTINGS (SUCH AS TEES, ELBOWS, REDUCERS, CROSSES, ETC) SHALL BE INCLUDED WITH COST OF WATER MAINS AND SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.
- ANY TYPE PAVEMENT, SIDEWALK, CURB, OR OTHER RELATED ITEMS, OR ANY PROPERTY REMOVED OR DAMAGED, SHALL BE REPAIRED OR REPLACED WITHIN A REASONABLE LENGTH OF TIME. COST FOR ITEMS, OTHER THAN SPECIFIC BID ITEMS CONSIDERED INCIDENTAL WITH NO ADDITIONAL COMPENSATION ALLOWED.
- WATER MAIN PIPE MATERIALS SHALL BE POLYVINYL CHLORIDE (PVC) SDR-17 WITH 250 P.S.I. RATED WORKING PRESSURE AND SDR 21 WITH 200 PSI RATED WORKING PRESSURE, COMPLYING WITH ASTM D-2241 WITH PUSH-ON JOINTS COMPLYING WITH ASTM D-3139. CONTRACTOR SHALL INSTALL A NO. 10 SOLID COPPER WIRE ALONG THE TOP OF THE WATER MAIN CONTINUOUS INTO ALL VALVE BOXES. COST TO BE INCLUDED WITH THE UNIT PRICE OF THE WATER MAIN.
- ALL WATER MAIN CONSTRUCTION SHALL BE UPON PUBLIC RIGHT-OF-WAY OR PRIVATE EASEMENTS AS SHOWN.
- SELECT GRANULAR BACKFILL, TYPE A, SHALL BE PLACED AT FULL TRENCH DEPTH WHERE WATER MAIN CROSSES DRIVEWAYS, ROADWAYS AND/OR ORDERED BY THE ENGINEER. CASE V BACKFILL SHALL APPLY AT OTHER LOCATIONS.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH LATEST EDITION OF "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS," UNLESS OTHERWISE INDICATED BY CONTRACT DOCUMENTS.
- WATER & SEWER SEPARATION TO CONFORM TO 35 ILL. ADM. CODE, SEC. 653.119.
- WATER MAINS SHALL BE SEPARATED FROM SEPTIC TANKS, DISPOSAL FIELDS, AND SEEPAGE BEDS BY A MINIMUM OF 25 FEET.
- IN SOME CASES WATER MAIN PROFILES SHOWN ARE ALONG SURVEY BASELINE. ACTUAL LOCATIONS OF WATER MAIN MAY BE LOCATED OFF SURVEY BASELINE AS SHOWN ON THE PLANS.

BENCHMARKS

- B.M. NO. 4 - 1" CUT ON TOP CORNER OF CONC. STEP TO HOUSE ADDRESS NO. 323 ON EASTERLY SIDE OF BUENA VISTA ST., ± 65' NORTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 9+08.32' LT. ELEV. - 594.34
- B.M. NO. 5 - 1" CUT ON TOP CORNER OF STONE RET. WALL TO HOUSE ADDRESS NO. 340 ON WESTERLY SIDE OF BUENA VISTA ST., ± 140' SOUTH OF FERRY ST. CENTERLINE OF IMPROVEMENT STA. 11+09.25' RT. ELEV. - 574.58
- B.M. NO. 6 - 2-60D NAILS SET IN WESTERLY SIDE OF POWER POLE ON EASTERLY SIDE OF BUENA VISTA STREET ± 75' NORTH OF HANCOCK STREET. CENTERLINE OF IMPROVEMENT STA. 16+08.18' LT. ELEV. - 521.41

CURVE DATA
 $\Delta = 07^{\circ}05'02''$ P.C. - 16+34.67
 $R = 300.00'$ P.T. - 16+53.24
 $L = 37.09'$ P.T. - 16+71.76
 $T = 18.57'$

SCALE IN FEET
 20' 0 20'

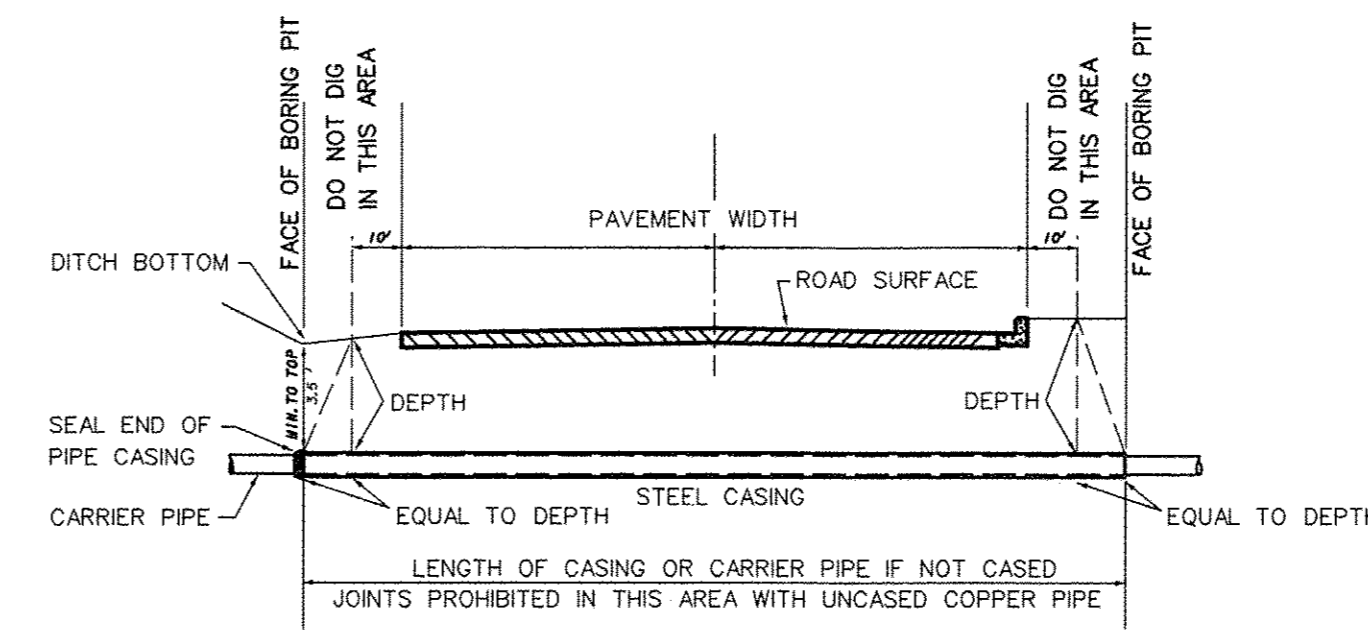


LEGEND
 - - - - - 4" G - - - - - PROPOSED STEEL GAS LINE & SIZE
 ● - - - - - PROPOSED GAS SERVICE RECONNECT
 — 10" W — - - - - PROPOSED WATER MAIN & SIZE
 — 2" FM — - - - - PROPOSED 2" PVC FORCE MAIN

LEGEND
 □ - POWER POLE
 □ - POWER / TELEPHONE POLE
 ○ - TELEPHONE POLE
 ○ - SANITARY SEWER & MANHOLE
 FH ○ - FIRE HYDRANT
 WV ○ - WATER VALVE
 WM ○ - WATER METER
 WS ○ - WATER SERVICE SHUTOFF
 W - WATER LINE
 TP □ - TELEPHONE PEDESTAL
 GV ○ - GAS VALVE
 GM ○ - GAS METER
 G - GAS LINE
 - - - - - RIGHT-OF-WAY LINE
 - - - - - PROPERTY LINE
 - - - - - FENCE LINE
 - - - - - SIGN
 MB ● - MAILBOX
 RCP - REINFORCED CONCRETE PIPE CULVERT
 CMP - CORRUGATED METAL PIPE CULVERT
 TC - TOP OF CASTING
 INV. - INVERT
 FL - FLOWLINE
 FLG - CURB FLAG
 BC - BACK OF CURB
 EW - EDGE OF WALK
 TW - TOP OF WALL
 ○ - SHRUB
 ○ - FLOWERING PLANTS & BUSHES
 ○ - ORNAMENTAL GRASS & PLANTS
 ○ - BUSH
 ○ - STUMP
 ○ - TREE

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	37
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

TYPICAL CROSS SECTION OF PIPELINE BORING UNDER STATE HIGHWAY

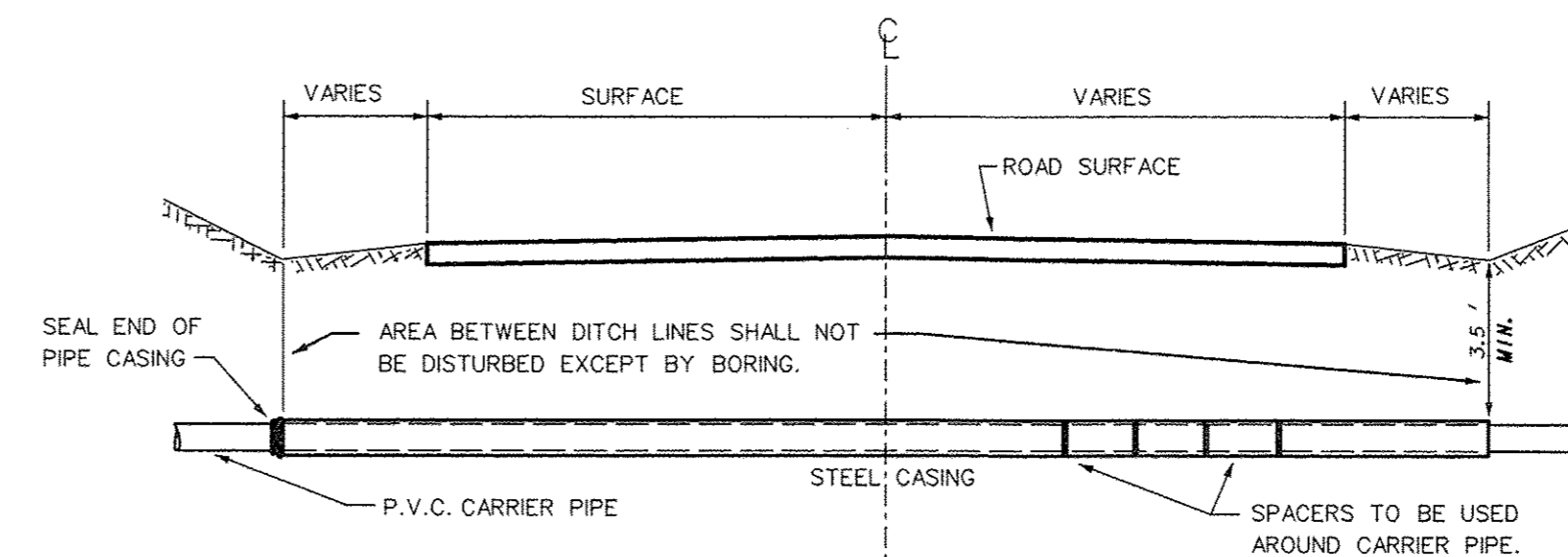


WATER LINES OF 1 3/4 INCH DIAMETER AND SMALLER CAN BE INSTALLED WITHOUT CASING USING TYPE "K" COPPER OR P.V.C. SCHEDULE 40 PIPE WITH LIQUID WELD JOINTS. ALL WATER LINES GREATER THAN 1 3/4 INCH DIAMETER SHALL BE CASED.

STEEL CASING SHALL HAVE 1/4 INCH WALL THICKNESS AND THE CASING SECTIONS SHALL BE JOINED TOGETHER BY EITHER WELDING OR THREADED COUPLINGS. (SPACERS TO BE USED AROUND CARRIER PIPE INSIDE CASING FOR PIPE SUPPORT.)

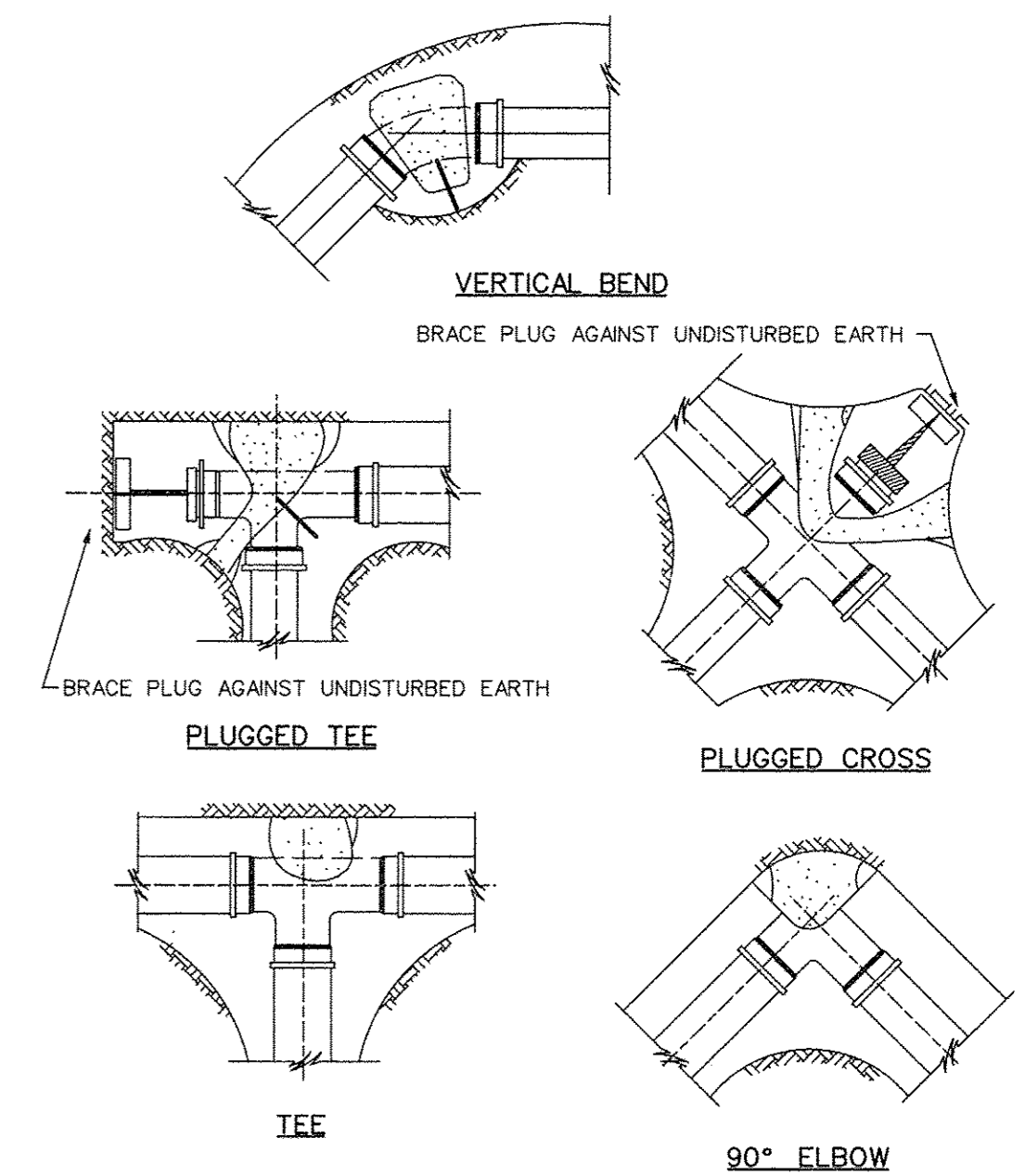
THE WATER SERVICE LINE SHALL BE PLACED UNDER THE PAVEMENT AND SHOULDER AREA BY JACKING OR BY DRY AUGERING A HOLE SLIGHTLY LARGER THAN THE PIPE AND THE PIPE PUSHED THROUGH. TUNNELING IS PROHIBITED. THE WATER LINE SHALL BE BURED AT LEAST THREE (3) FEET BELOW THE BOTTOM OF THE DITCHES EACH SIDE OF THE ROAD.

PIPELINE CROSSING UNDER COUNTY ROAD OR CITY STREET



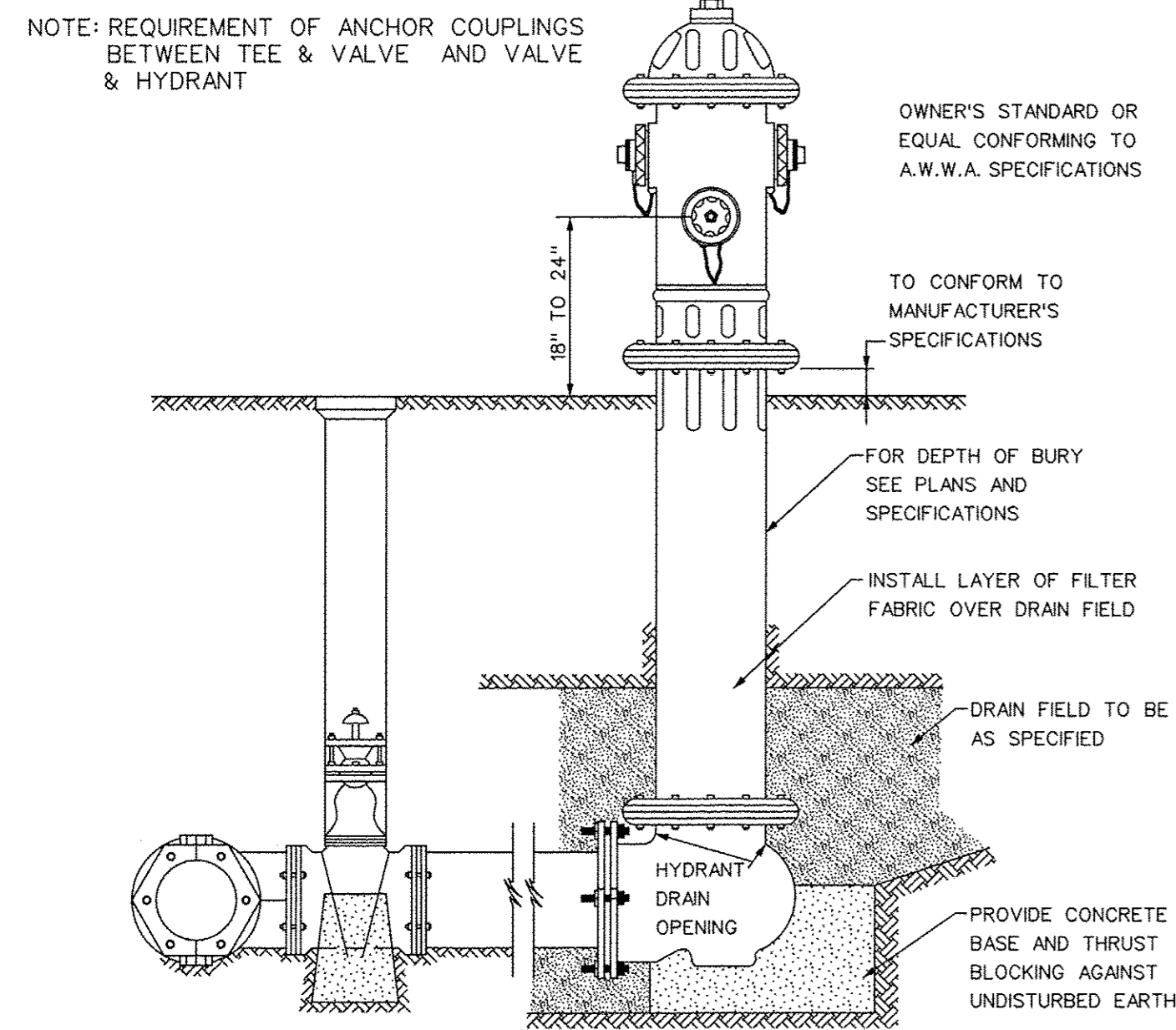
NOTE:
CARRIER PIPE TO BE BORED & PUSHED UNDER ROAD WITH STEEL PIPE CASING. LENGTH & DIAMETER OF CASING IS ON PLAN SHEETS.

TYPICAL THRUST BLOCK INSTALLATIONS



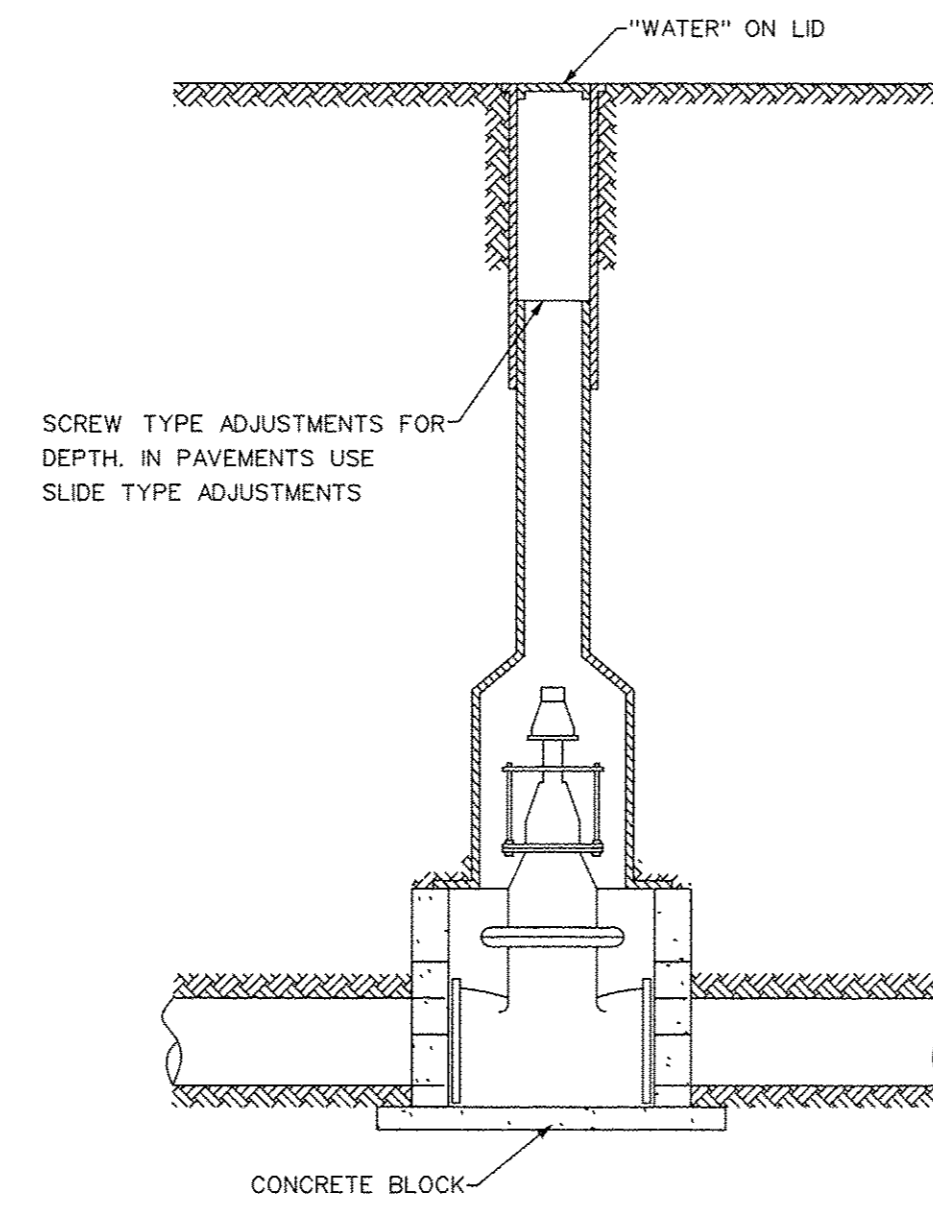
NOTE: ALL BLOCKS BEAR AGAINST UNDISTURBED EARTH. ARROWS INDICATE DIRECTION OF THRUST. ALL BLOCKS TO BE 3000 P.S.I. CONCRETE. ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

TYPICAL HYDRANT INSTALLATION



NOTE: CONCRETE BASE AND BLOCKING MATERIAL SHALL NOT BLOCK NOR OBSTRUCT HYDRANT DRAIN AS SHOWN IN AWWA MANUAL M 17

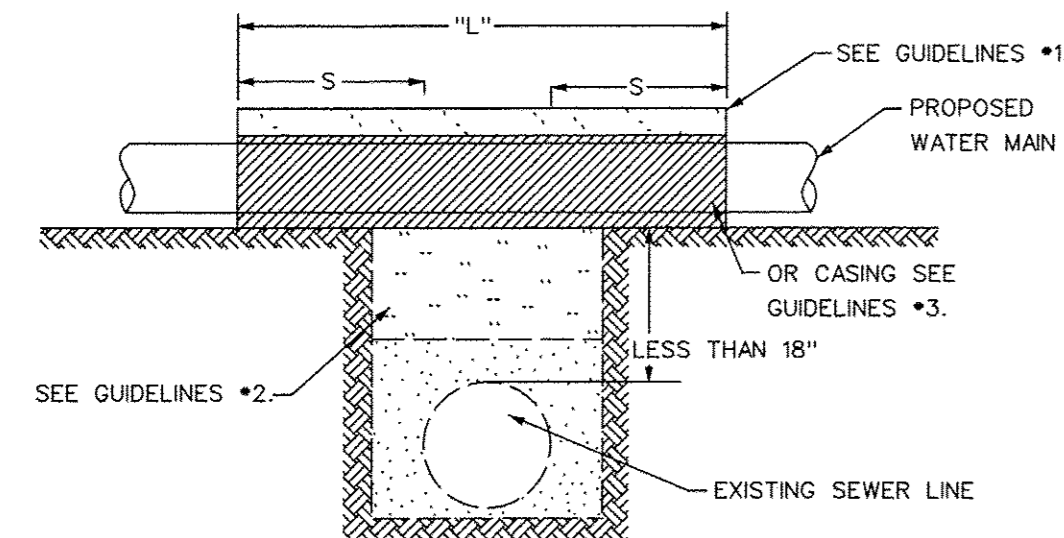
TYPICAL VALVE BOX INSTALLATION



WATER AND SEWER SEPARATION REQUIREMENTS (VERTICAL SEPARATION)

PROPOSED WATER MAIN ABOVE EXISTING SEWER LINE WITH LESS THAN 18" VERTICAL SEPARATION

NOTE: COMPACTION REQUIREMENTS REFER TO 20 - 2.20B

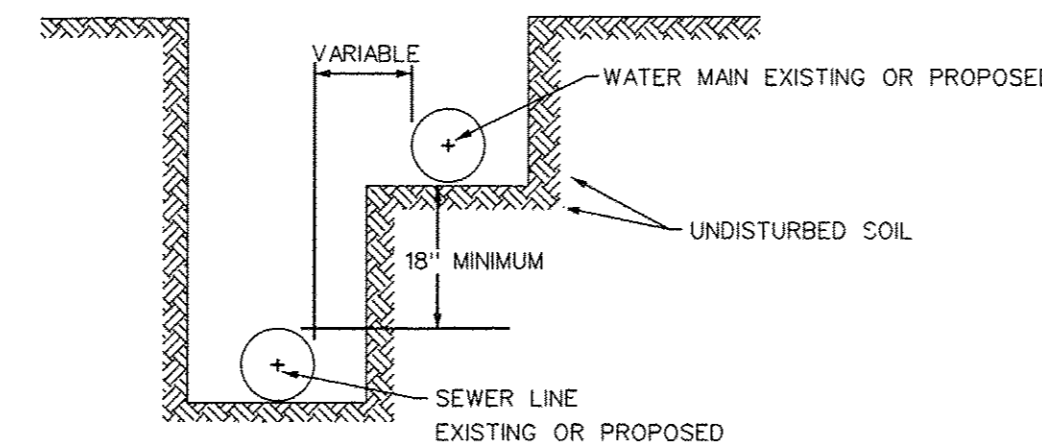


NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AS MEASURED PERPENDICULAR TO EXISTING SEWER LINE.

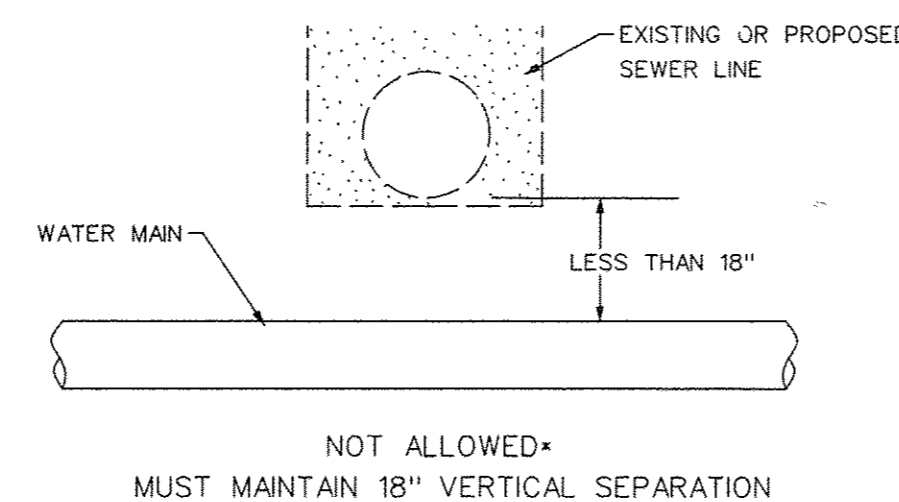
GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L"
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER.

WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY. SEE SECTION 41-2.01B 2)

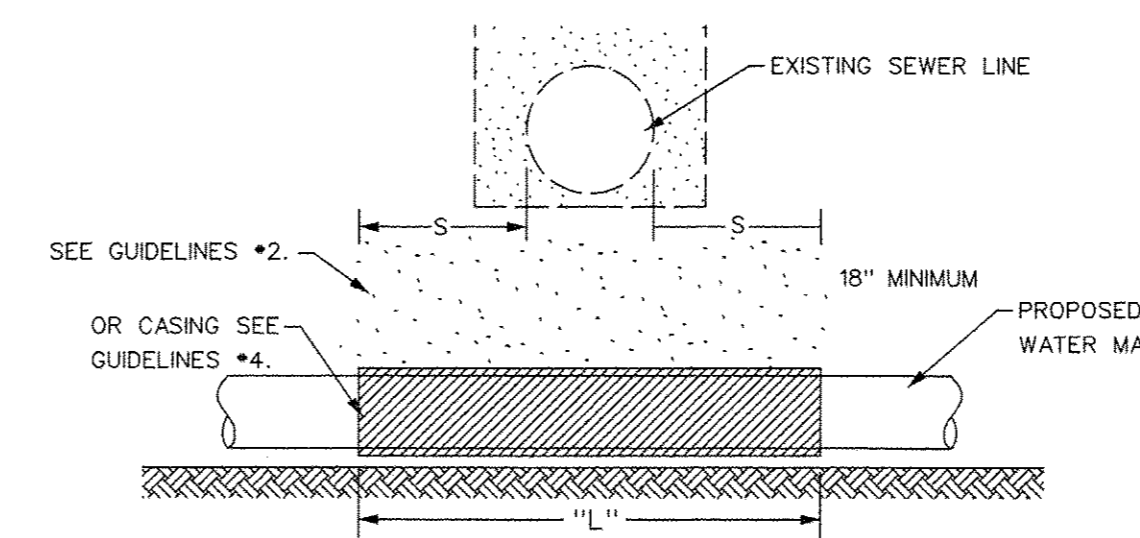


PLACEMENT OF WATER MAIN BELOW EXISTING OR PROPOSED SEWER LINE WITH LESS THAN 18" MINIMUM VERTICAL SEPARATION. NOT ALLOWED*



PROPOSED WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM VERTICAL SEPARATION.

NOTE: COMPACTION REQUIREMENTS REFER TO 20-2.20B



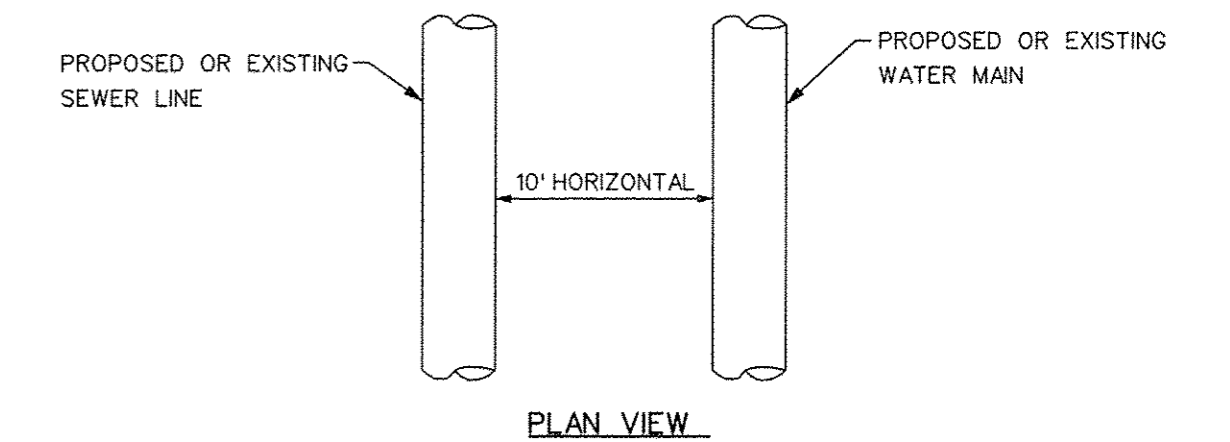
NOTE: "S" THE LENGTH NECESSARY TO PROVIDE 10 FEET OF SEPARATION AND MEASURED PERPENDICULAR TO EXISTING SEWER LINE.

GUIDELINES

1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.

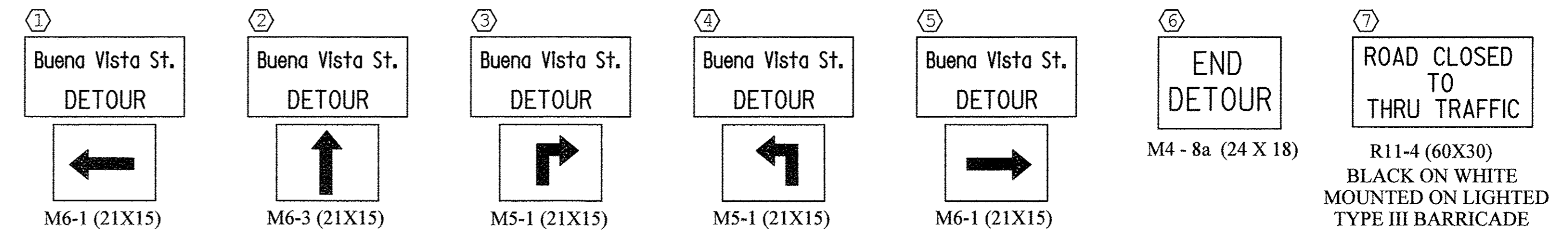
WATER AND SEWER SEPARATION REQUIREMENTS

WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED. SEE SECTION 41-2.01B (1)

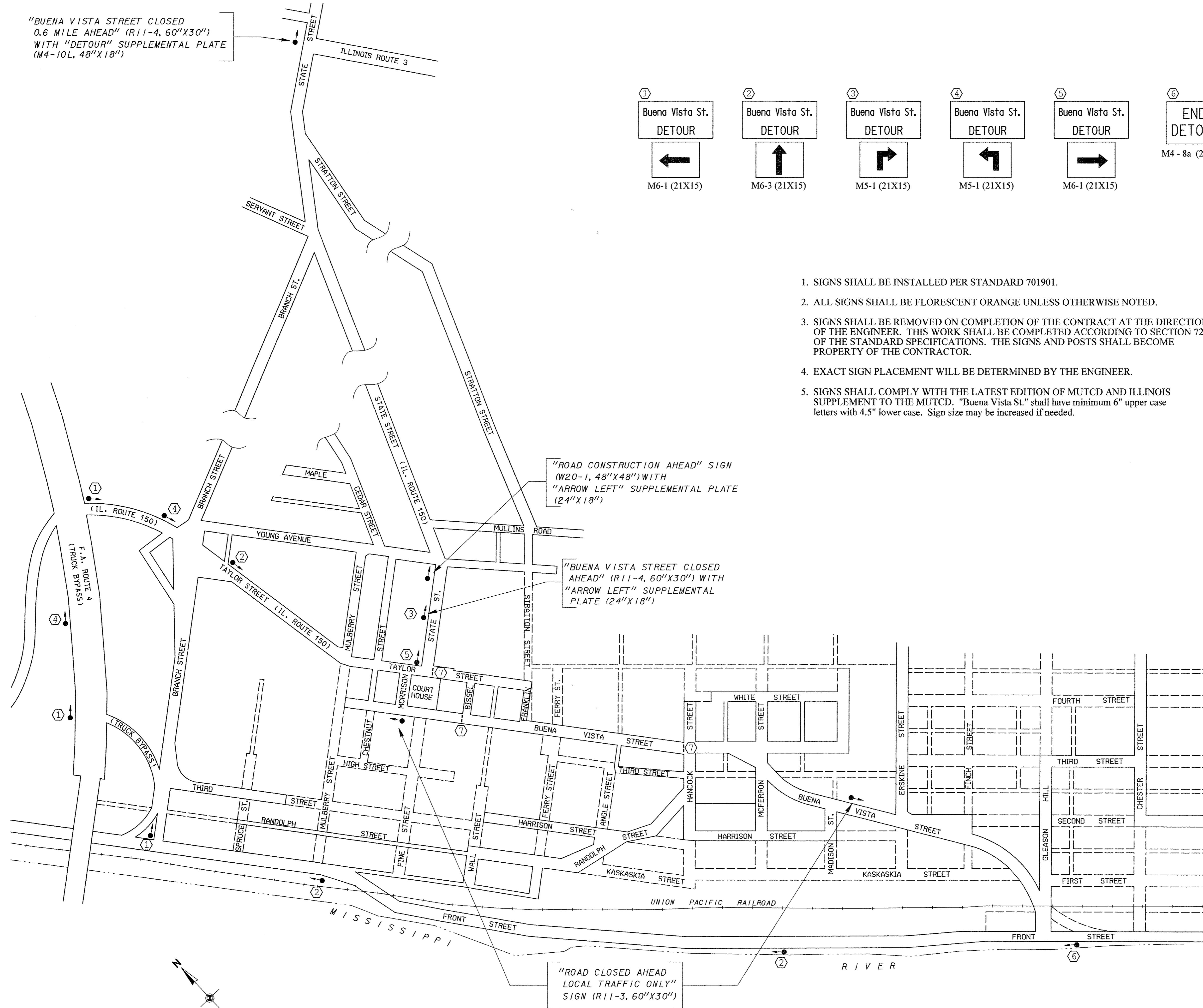


F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	38
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				

"BUENA VISTA STREET CLOSED
0.6 MILE AHEAD" (R11-4, 60"X30")
WITH "DETOUR" SUPPLEMENTAL PLATE
(M4-10L, 48"X18")



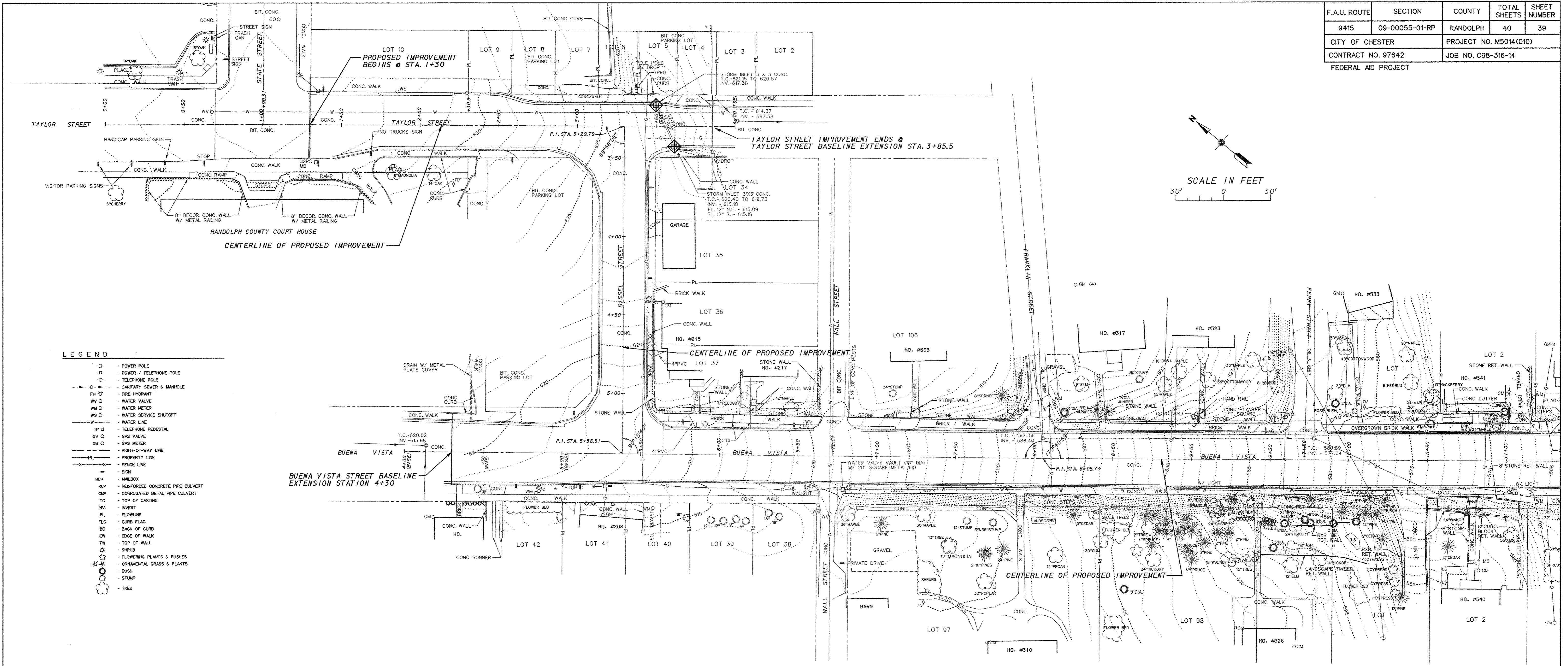
- SIGNS SHALL BE INSTALLED PER STANDARD 701901.
- ALL SIGNS SHALL BE FLORESCENT ORANGE UNLESS OTHERWISE NOTED.
- SIGNS SHALL BE REMOVED ON COMPLETION OF THE CONTRACT AT THE DIRECTION OF THE ENGINEER. THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 724 OF THE STANDARD SPECIFICATIONS. THE SIGNS AND POSTS SHALL BECOME PROPERTY OF THE CONTRACTOR.
- EXACT SIGN PLACEMENT WILL BE DETERMINED BY THE ENGINEER.
- SIGNS SHALL COMPLY WITH THE LATEST EDITION OF MUTCD AND ILLINOIS SUPPLEMENT TO THE MUTCD. "Buena Vista St." shall have minimum 6" upper case letters with 4.5" lower case. Sign size may be increased if needed.



TRAFFIC CONTROL AND DETOUR ROUTE PLAN
NOT TO SCALE

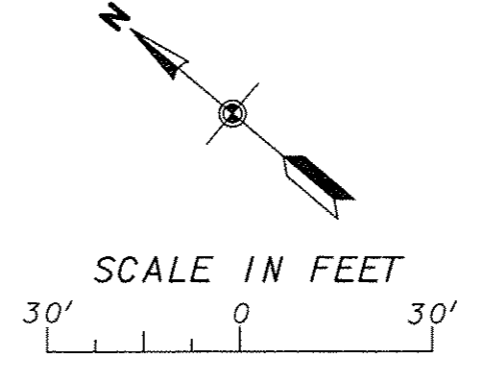
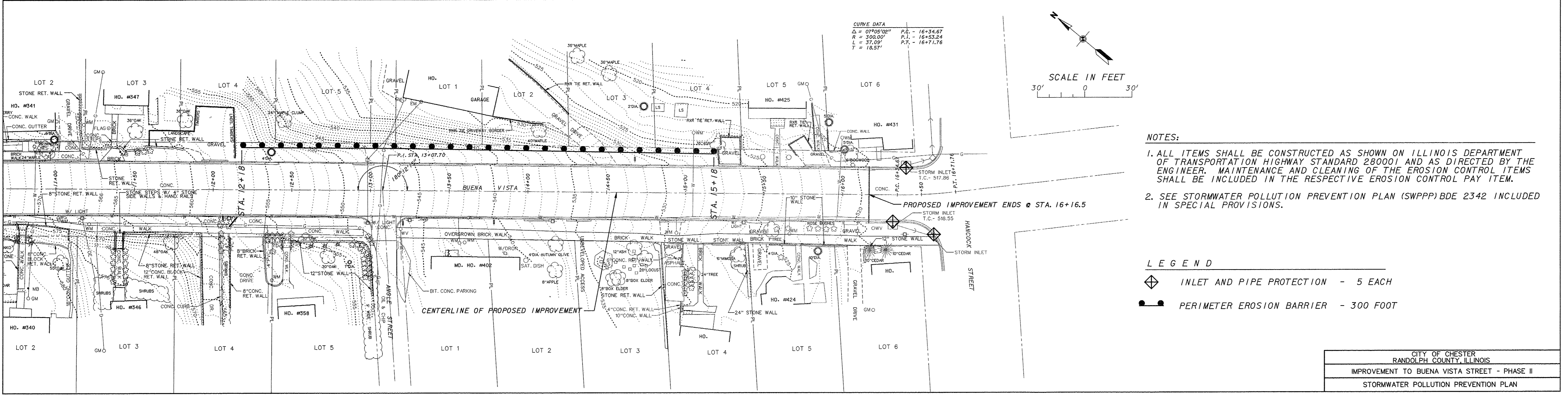
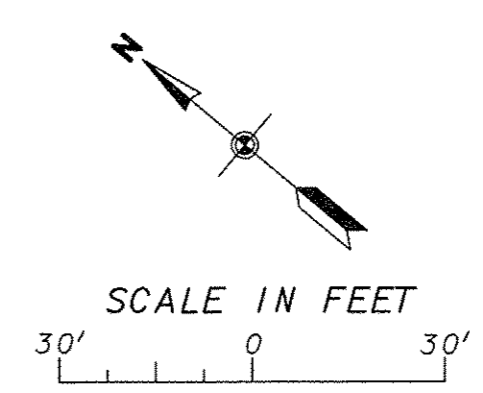
CITY OF CHESTER RANDOLPH COUNTY, ILLINOIS	
IMPROVEMENTS TO BUENA VISTA STREET - PHASE II	
TRAFFIC CONTROL AND DETOUR ROUTE PLAN	

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	39
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				



LEGEND

- - POWER POLE
- ⊕ - POWER / TELEPHONE POLE
- ⊖ - TELEPHONE POLE
- ⊙ - SANITARY SEWER & MANHOLE
- ⊕ - FIRE HYDRANT
- WV ○ - WATER VALVE
- WM ○ - WATER METER
- WS ○ - WATER SERVICE SHUTOFF
- W - WATER LINE
- TP ○ - TELEPHONE PEDESTAL
- GV ○ - GAS VALVE
- GM ○ - GAS METER
- - RIGHT-OF-WAY LINE
- - PROPERTY LINE
- - FENCE LINE
- - SIGN
- MB - MAILBOX
- ROP - REINFORCED CONCRETE PIPE CULVERT
- CMP - CORRUGATED METAL PIPE CULVERT
- TC - TOP OF CASTING
- INV. - INVERT
- FL - FLOWLINE
- FLD - CURB FLAG
- BC - BACK OF CURB
- EW - EDGE OF WALK
- TW - TOP OF WALL
- - SHRUB
- - FLOWERING PLANTS & BUSHES
- - ORNAMENTAL GRASS & PLANTS
- - BUSH
- - STUMP
- - TREE

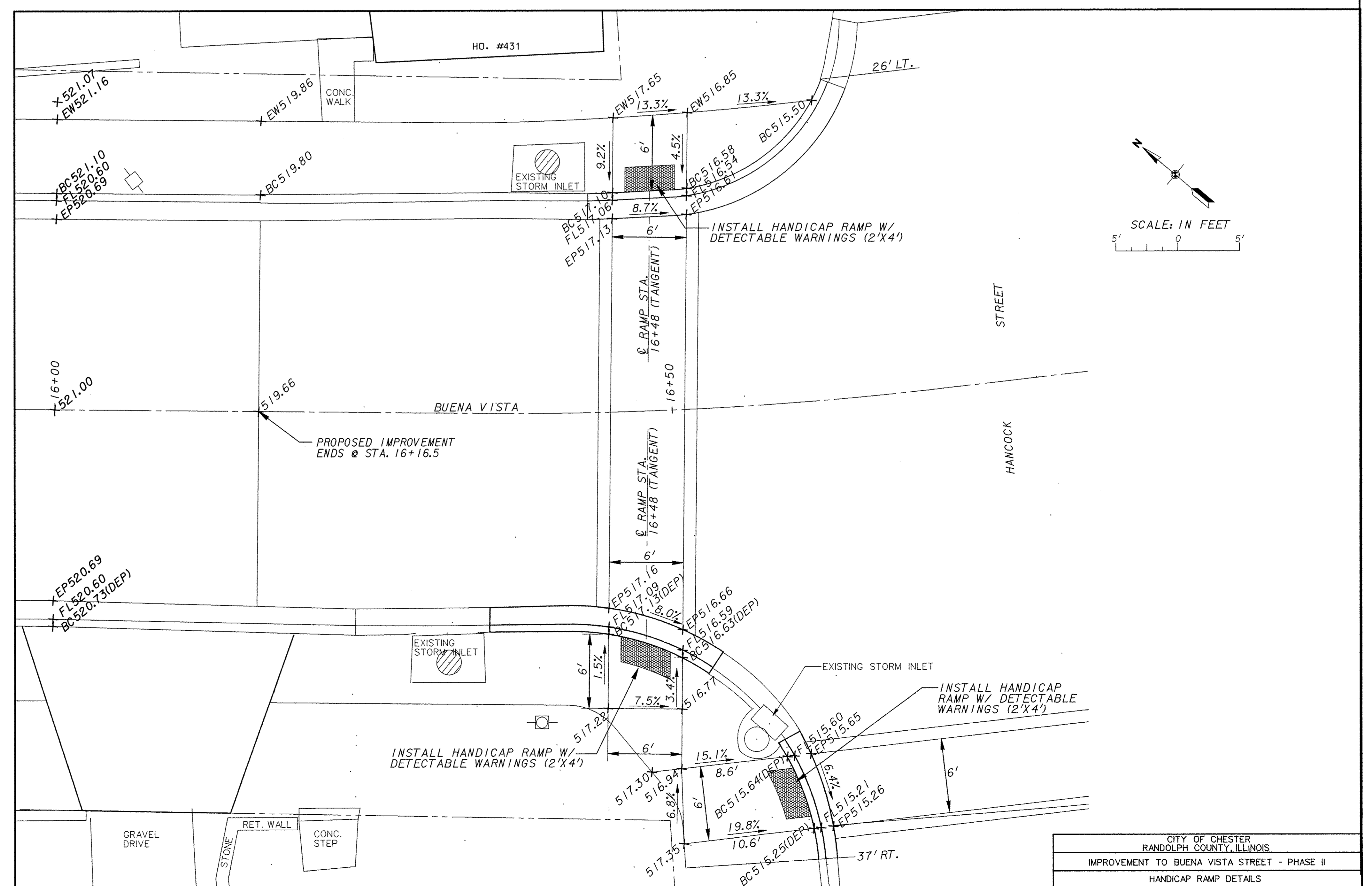
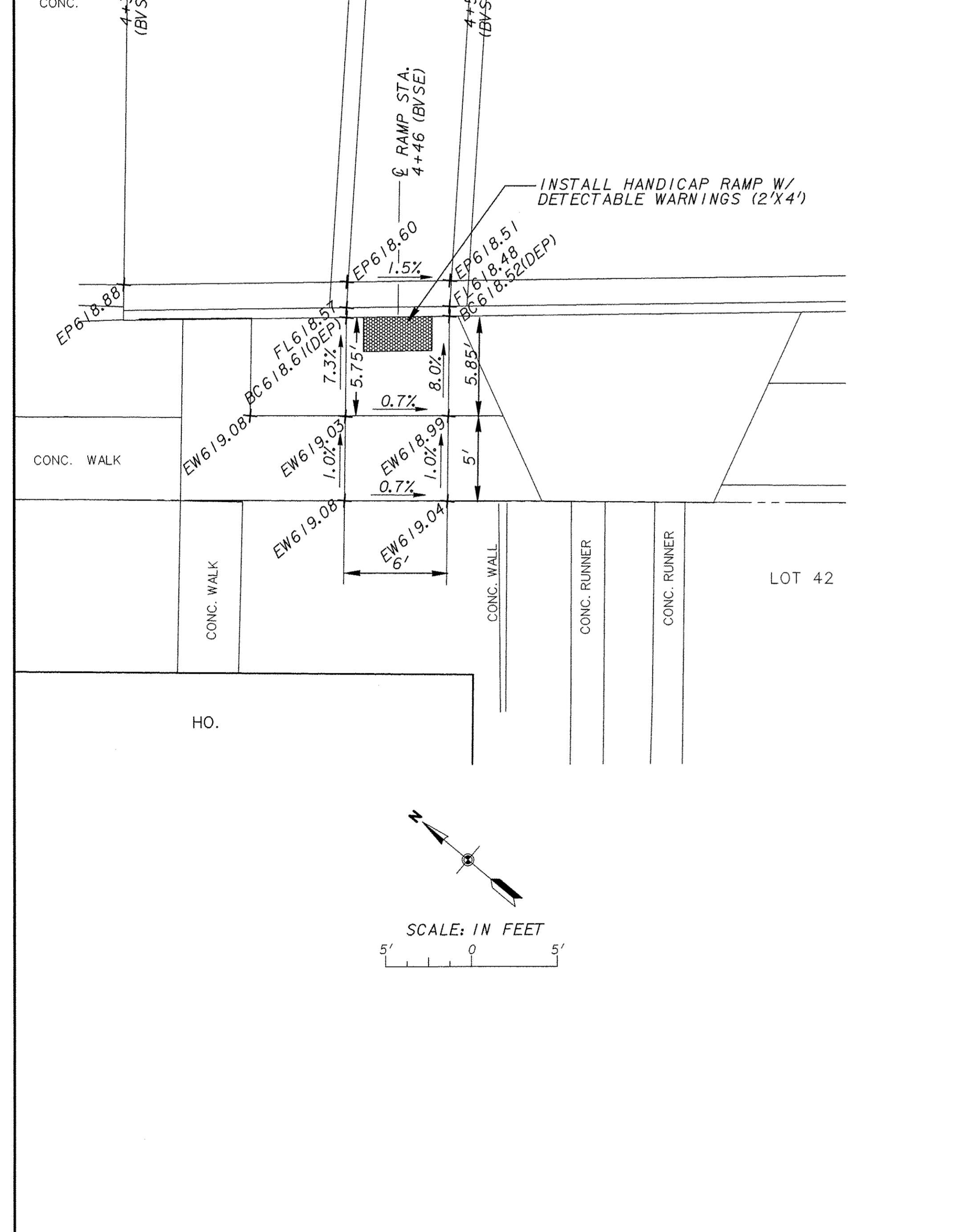
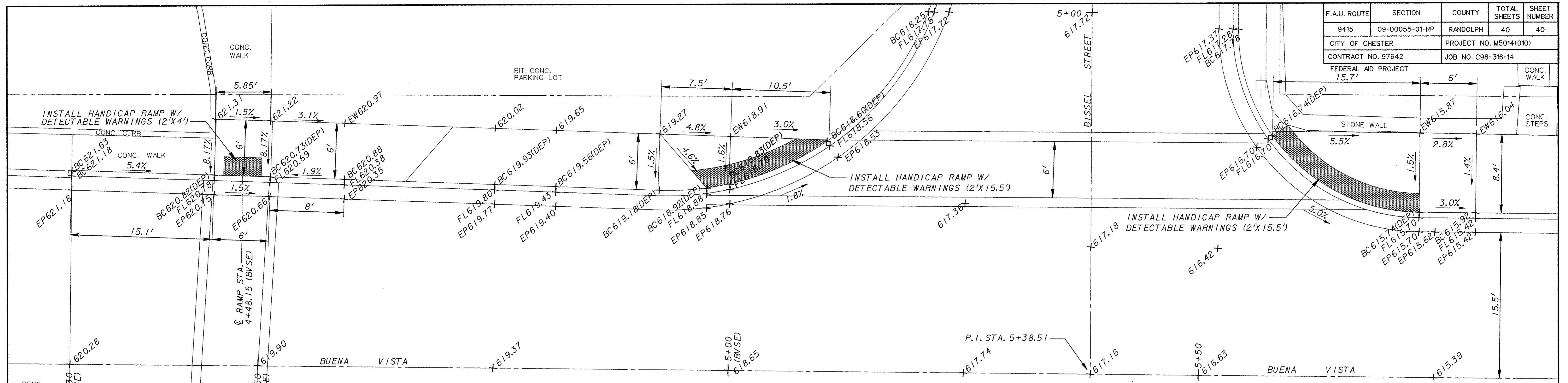


- NOTES:**
- ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON ILLINOIS DEPARTMENT OF TRANSPORTATION HIGHWAY STANDARD 280001 AND AS DIRECTED BY THE ENGINEER. MAINTENANCE AND CLEANING OF THE EROSION CONTROL ITEMS SHALL BE INCLUDED IN THE RESPECTIVE EROSION CONTROL PAY ITEM.
 - SEE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) BDE 2342 INCLUDED IN SPECIAL PROVISIONS.

LEGEND

- ⊕ INLET AND PIPE PROTECTION - 5 EACH
- PERIMETER EROSION BARRIER - 300 FOOT

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
9415	09-00055-01-RP	RANDOLPH	40	40
CITY OF CHESTER		PROJECT NO. M5014(010)		
CONTRACT NO. 97642		JOB NO. C98-316-14		
FEDERAL AID PROJECT				CONC. WALK
15.7'				CONC. STEPS



CITY OF CHESTER	
RANDOLPH COUNTY, ILLINOIS	
IMPROVEMENT TO BUENA VISTA STREET - PHASE II	
HANDICAP RAMP DETAILS	