

PROJECT DATA			
TOTAL AREA OF PROJECT (RIGHT OF WAY)	227.03 AC.	PRE-CONSTRUCTION RUNOFF COEFFICIENT	0.60
PROJECT EARTH DISTURBING ACTIVITIES	146.50 AC.	POST CONSTRUCTION RUNOFF COEFFICIENT	0.62
CONTRACTOR EARTH DISTURBING ACTIVITIES	1.00 AC.	IMPERVIOUS AREA FOR PRE-CONSTRUCTION	58.67 AC.
NOI EARTH DISTURBING ACTIVITIES	147.50 AC.	IMPERVIOUS AREA FOR POST CONSTRUCTION	67.04 AC.
SOIL DATA		SUMMIT COUNTY SOIL SURVEY (NRCS WEB SOIL SURVEY)	
IMMEDIATE RECEIVING STREAM(S) OR SURFACE WATER(S)		YELLOW CREEK/FURNACE RUN	
SUBSEQUENT RECEIVING STREAM(S) OR SURFACE WATER(S)		CUYAHOGA RIVER	

PROJECT DESCRIPTION

PROJECT CONSISTS OF FULL DEPTH RECONSTRUCTION AND WIDENING OF 4.6 MILES OF I.R. 77 TO SIX LANES, INCLUDING DRAINAGE, LIGHTING, SIGNING, AND SIGNAL IMPROVEMENTS. PROJECT ALSO INCLUDES RECONSTRUCTION OF RAMPS AT THE GHENT ROAD INTERCHANGE AND REST AREA. THIS PROJECT ALSO INCLUDES MINOR REHABILITATION WORK TO TWELVE STRUCTURES.

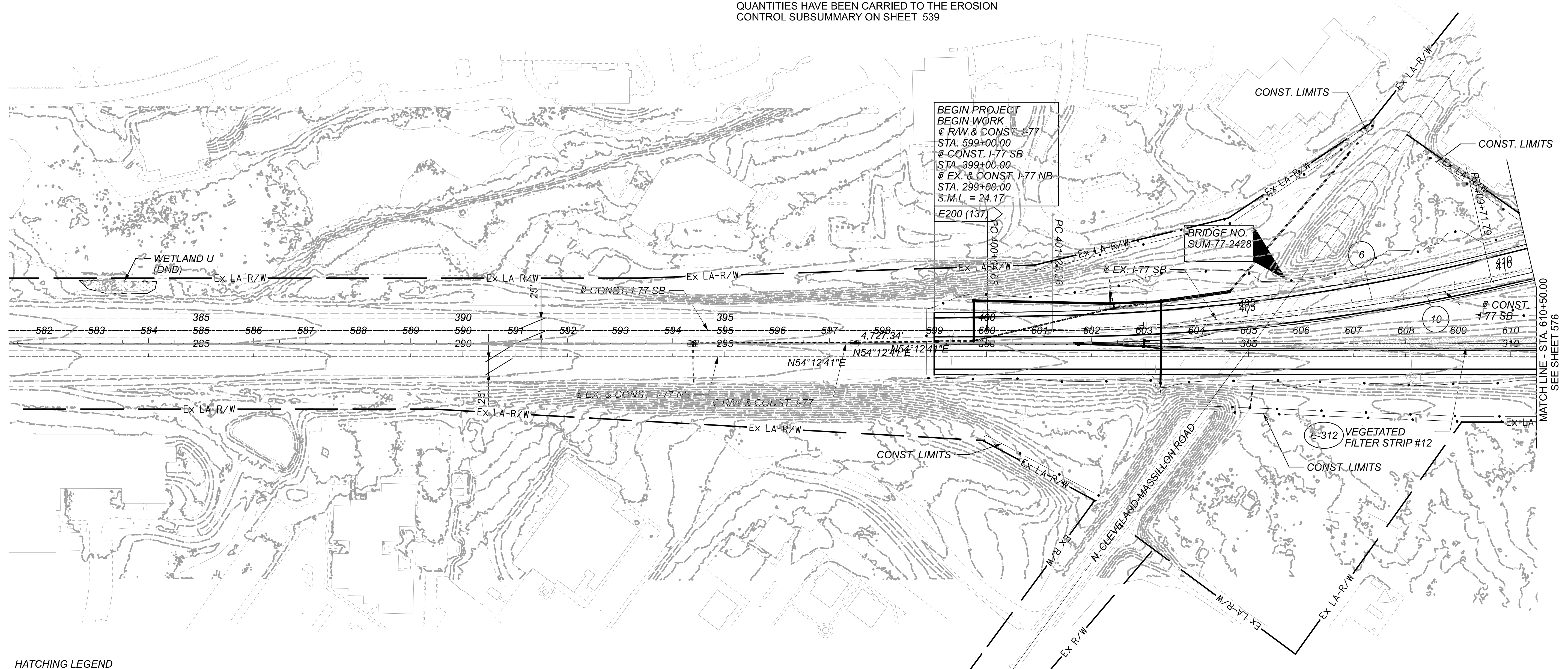
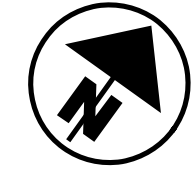
* LONGITUDE: W81° 37' 33.2"
 * LATITUDE: N41° 10' 31.7"

* LONGITUDE AND LATITUDE TO APPROX. CENTER OF PROJECT

ITEM 832 - STORM WATER POLLUTION PREVENTION PLAN = LS
 ITEM 832 - EROSION CONTROL = 1,650,000 EACH
 ITEM 832 - STORM WATER POLLUTION PREVENTION INSPECTIONS = LS
 ITEM 832 - STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE = LS

QUANTITIES HAVE BEEN CARRIED TO THE EROSION CONTROL SUBSUMMARY ON SHEET 539

BMP'S
 POST-CONSTRUCTION STORM WATER BEST MANAGEMENT PRACTICES (BMP) FOR REDEVELOPMENT PROJECTS UTILIZING VEGETATED FILTER STRIPS REQUIRE WATER QUALITY TREATMENT.
 TREATMENT AREA REQUIRED = 0.200 x 145.50 EDA ACRES = 29.10 ACRES
 PROPOSED VEGETATED FILTER STRIPS TREAT A TOTAL AREA OF 29.54 ACRES OF CONTRIBUTING ODOT DRAINAGE AREA.
 SEE SHEET 584 FOR BMP TABLE

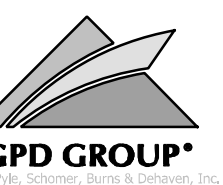


HATCHING LEGEND

- | | | | |
|--|--|--|--|
| | ITEM 601 - ROCK CHANNEL PROTECTION | | ITEM 836 - SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1 |
| | ITEM 601 - TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT | | ITEM 836 - SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 2 |
| | ITEM 670 - DITCH EROSION PROTECTION | | WETLAND |
| | ITEM 670 - SLOPE EROSION PROTECTION (VEGETATED FILTER STRIP W/4" ITEM 659 - TOPSOIL) | | WETLAND AREA NOT TO BE DISTURBED |

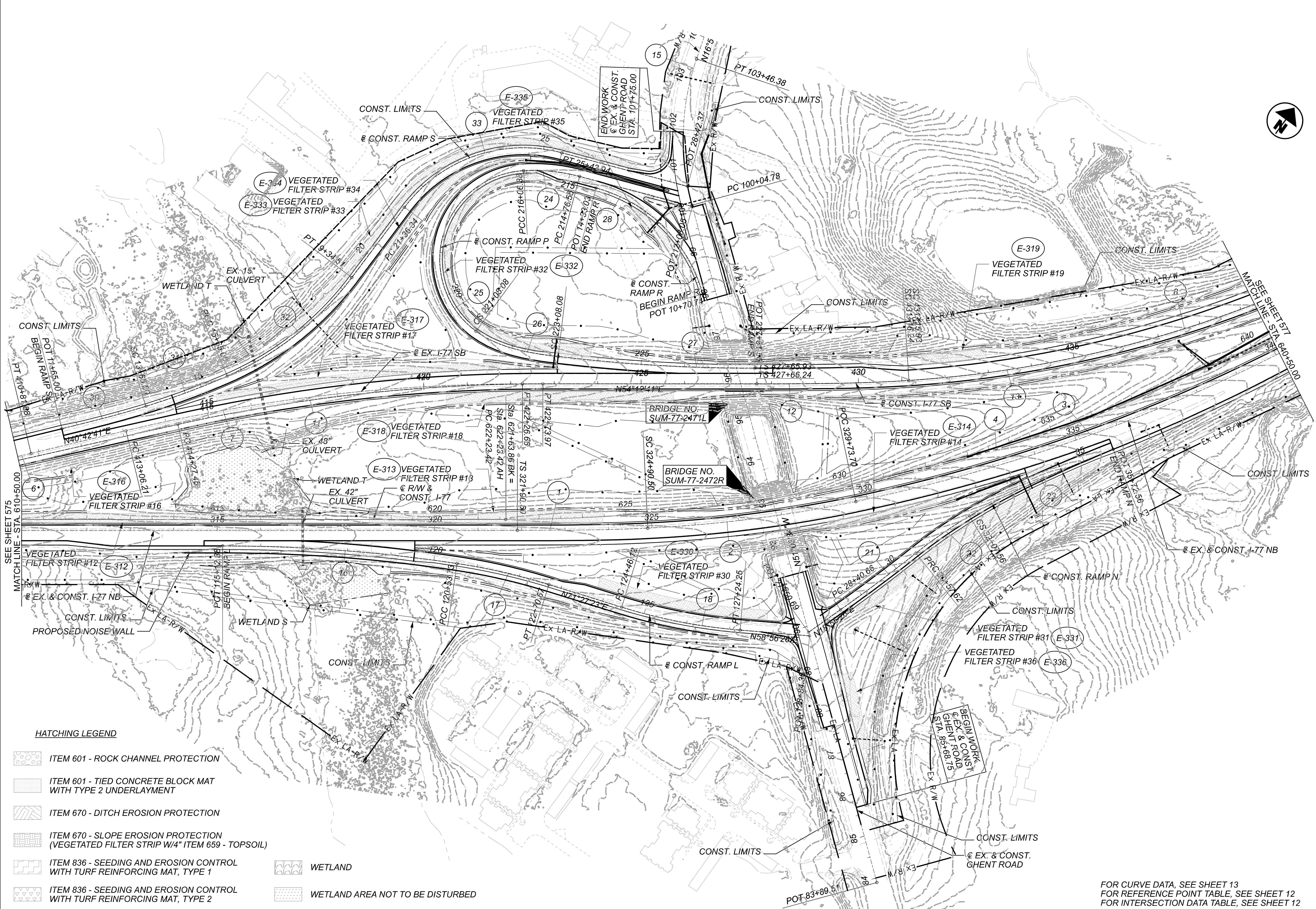
PROJECT SITE PLAN
 BEGIN TO STA. 610+50.00

DESIGN AGENCY



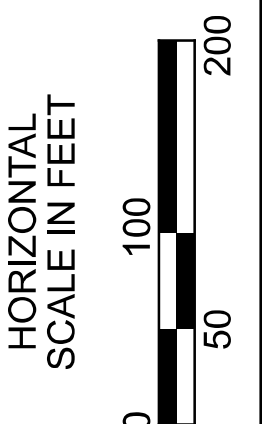
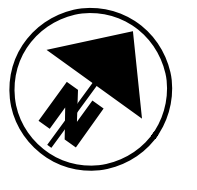
DESIGNER
 ATR
 REVIEWER
 CWL 12-18-23
 PROJECT ID
 111404
 SHEET TOTAL
 P.575 1240

FOR CURVE DATA, SEE SHEET 13
 FOR REFERENCE POINT TABLE, SEE SHEET 12
 FOR INTERSECTION DATA TABLE, SEE SHEET 12



HATCHING LEGEND

- ITEM 601 - ROCK CHANNEL PROTECTION
- ITEM 601 - TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT
- ITEM 670 - DITCH EROSION PROTECTION
- ITEM 670 - SLOPE EROSION PROTECTION (VEGETATED FILTER STRIP W/4" ITEM 659 - TOPSOIL)
- ITEM 836 - SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1
- ITEM 836 - SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 2
- WETLAND
- WETLAND AREA NOT TO BE DISTURBED



PROJECT SITE PLAN
STA. 610+50.00 TO STA. 640+50.00

DESIGN AGENCY



DESIGNER

ATR

REVIEWER

CWL 12-18-23

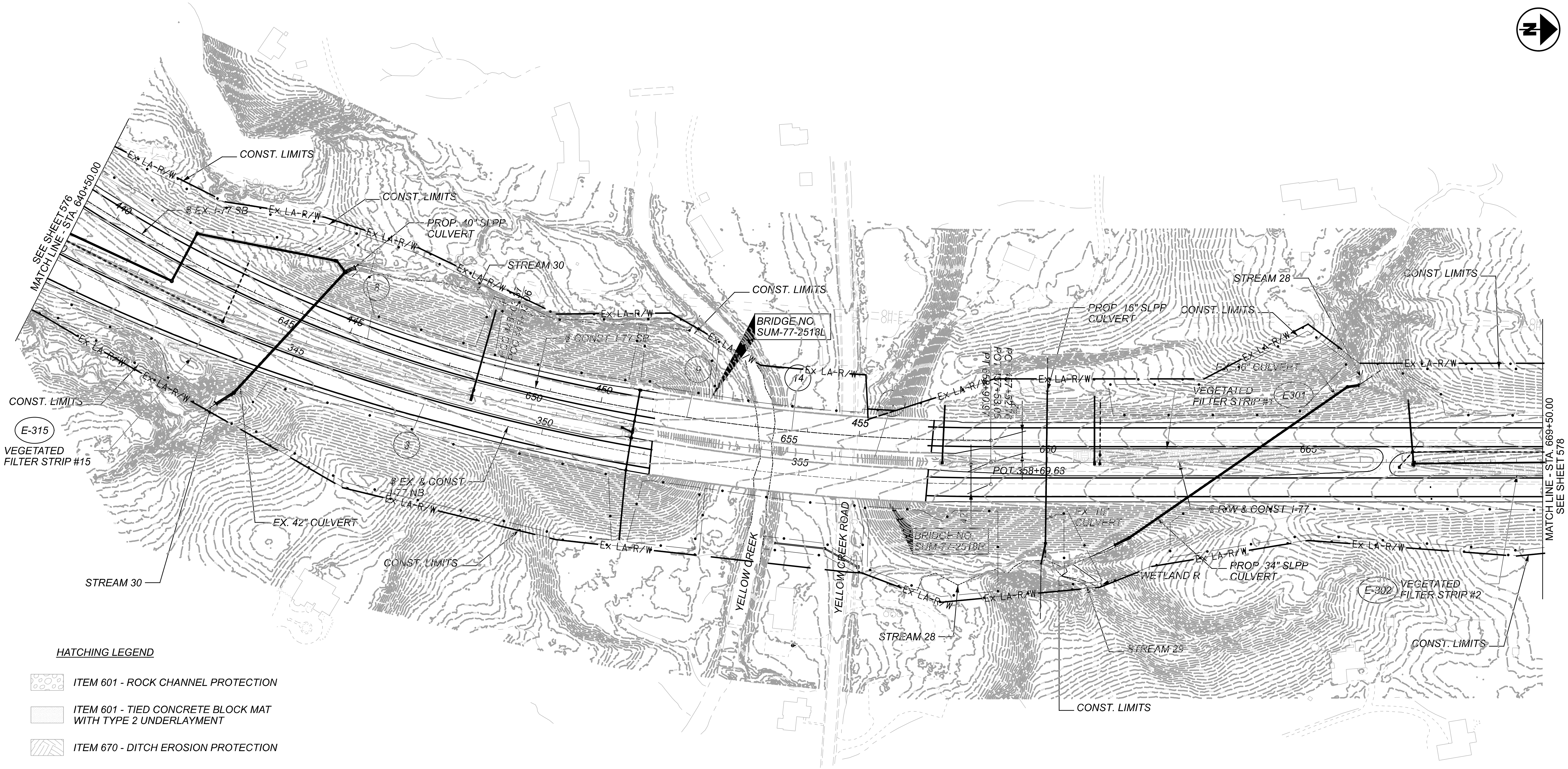
PROJECT ID

111404









SHEET TOTAL

P.576 1240

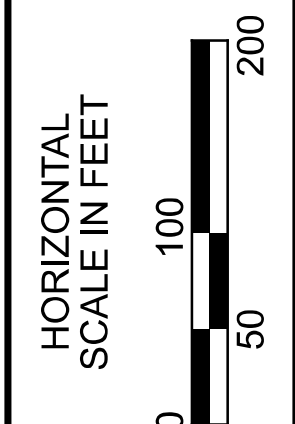
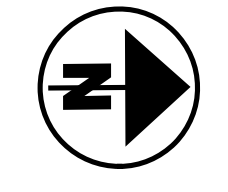
FOR CURVE DATA, SEE SHEET 13
FOR REFERENCE POINT TABLE, SEE SHEET 12
FOR INTERSECTION DATA TABLE, SEE SHEET 12



HATCHING LEGEND

-  ITEM 601 - ROCK CHANNEL PROTECTION
-  ITEM 601 - TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT
-  ITEM 670 - DITCH EROSION PROTECTION
-  ITEM 670 - SLOPE EROSION PROTECTION (VEGETATED FILTER STRIP W/4" ITEM 659 - TOPSOIL)
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-  WETLAND
-  WETLAND AREA NOT TO BE DISTURBED

FOR CURVE DATA, SEE SHEET 13
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 FOR INTERSECTION DATA TABLE, SEE SHEET 12











PROJECT SITE PLAN
 STA. 640+50.00 TO STA. 669+50.00

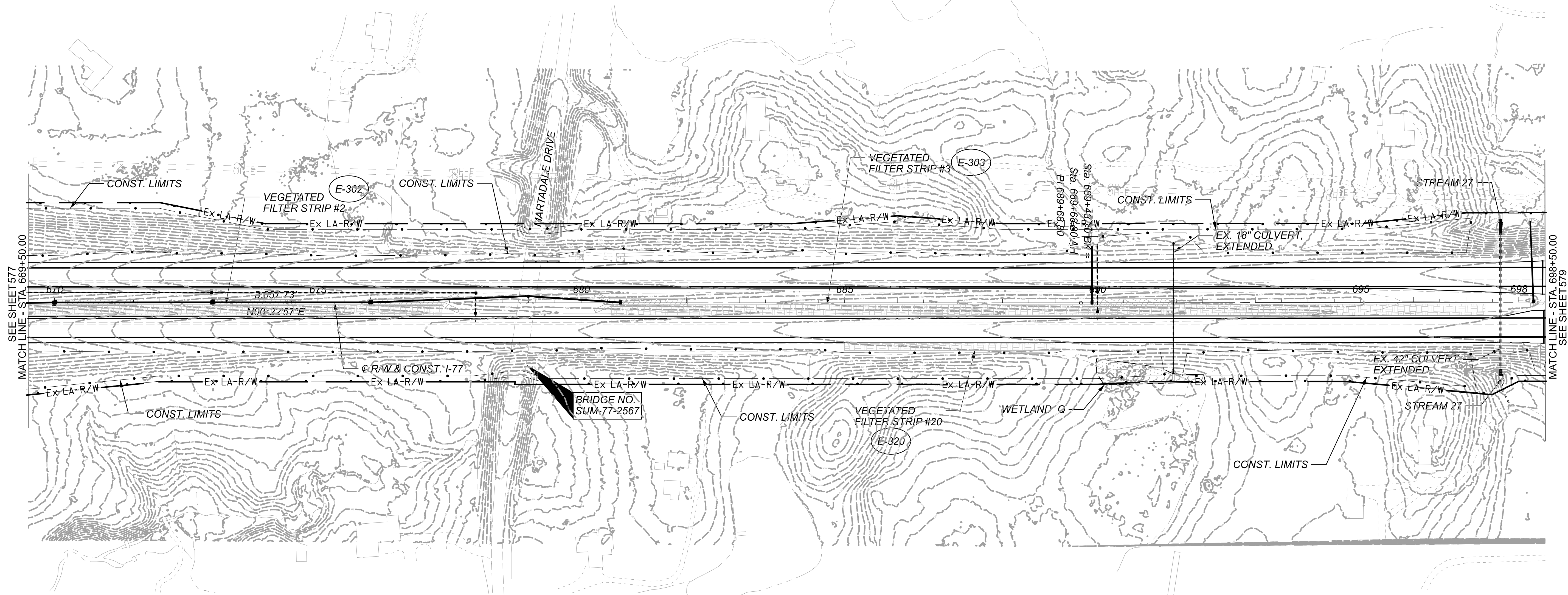
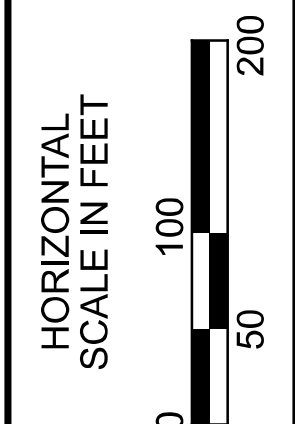
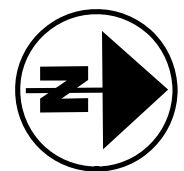
DESIGN AGENCY



DESIGNER	ATR
REVIEWER	CWL
PROJECT ID	111404
SHEET	P.577
TOTAL	1240

HATCHING LEGEND

-  ITEM 601 - ROCK CHANNEL PROTECTION
-  ITEM 601 - TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT
-  ITEM 670 - DITCH EROSION PROTECTION
-  ITEM 670 - SLOPE EROSION PROTECTION (VEGETATED FILTER STRIP W/4" ITEM 659 - TOPSOIL)
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-  WETLAND
-  WETLAND AREA NOT TO BE DISTURBED



PROJECT SITE PLAN
 STA. 669+50.00 TO STA. 698+50.00




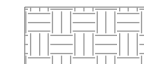




DESIGN AGENCY

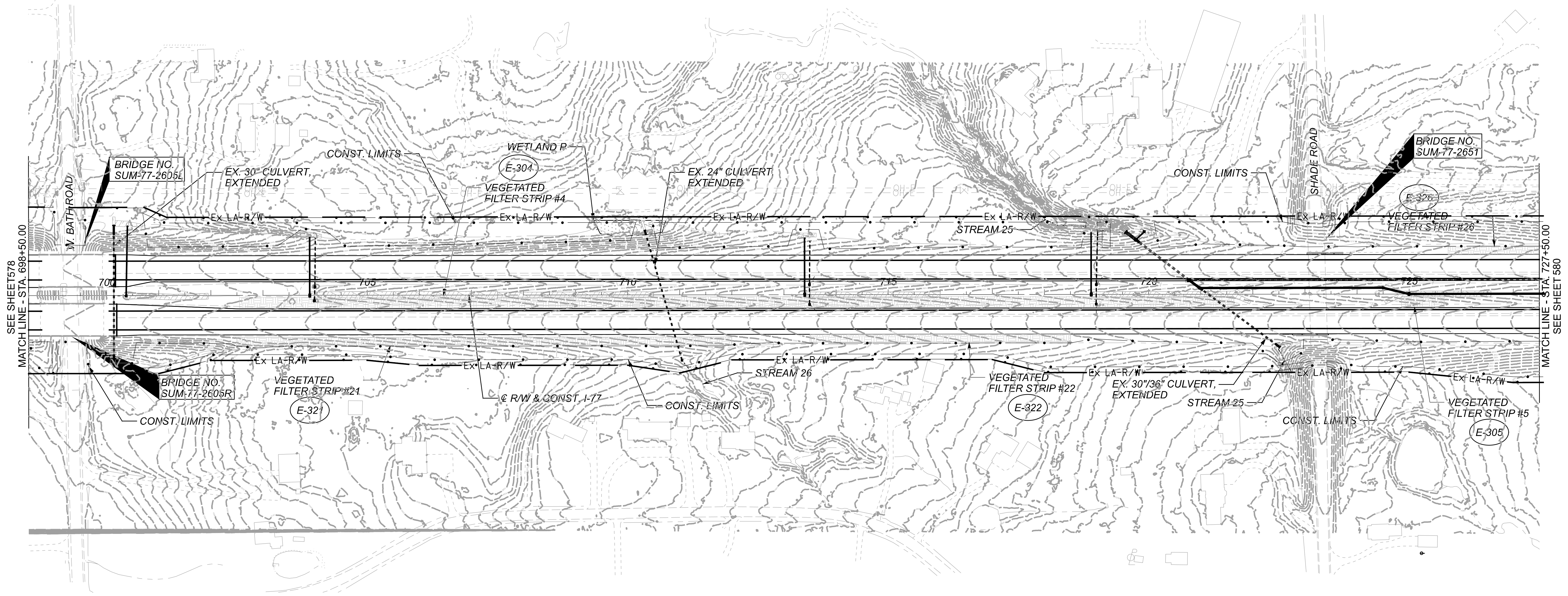
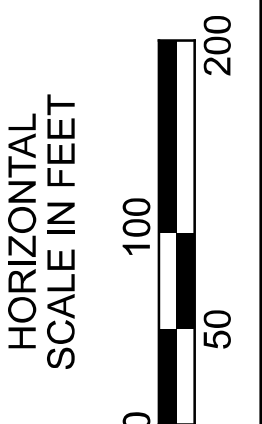
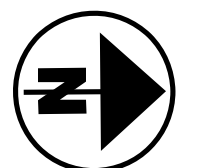


DESIGNER	ATR
REVIEWER	CWL
PROJECT ID	111404
SHEET	P.578
TOTAL	1240

FOR CURVE DATA, SEE SHEET 13
 FOR REFERENCE POINT TABLE, SEE SHEET 12
 FOR INTERSECTION DATA TABLE, SEE SHEET 12

HATCHING LEGEND

-  ITEM 601 - ROCK CHANNEL PROTECTION
-  ITEM 601 - TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT
-  ITEM 670 - DITCH EROSION PROTECTION
-  ITEM 670 - SLOPE EROSION PROTECTION (VEGETATED FILTER STRIP W/4" ITEM 659 - TOPSOIL)
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-  WETLAND
-  WETLAND AREA NOT TO BE DISTURBED



PROJECT SITE PLAN
 STA. 698+50.00 TO STA. 727+50.00









DESIGN AGENCY

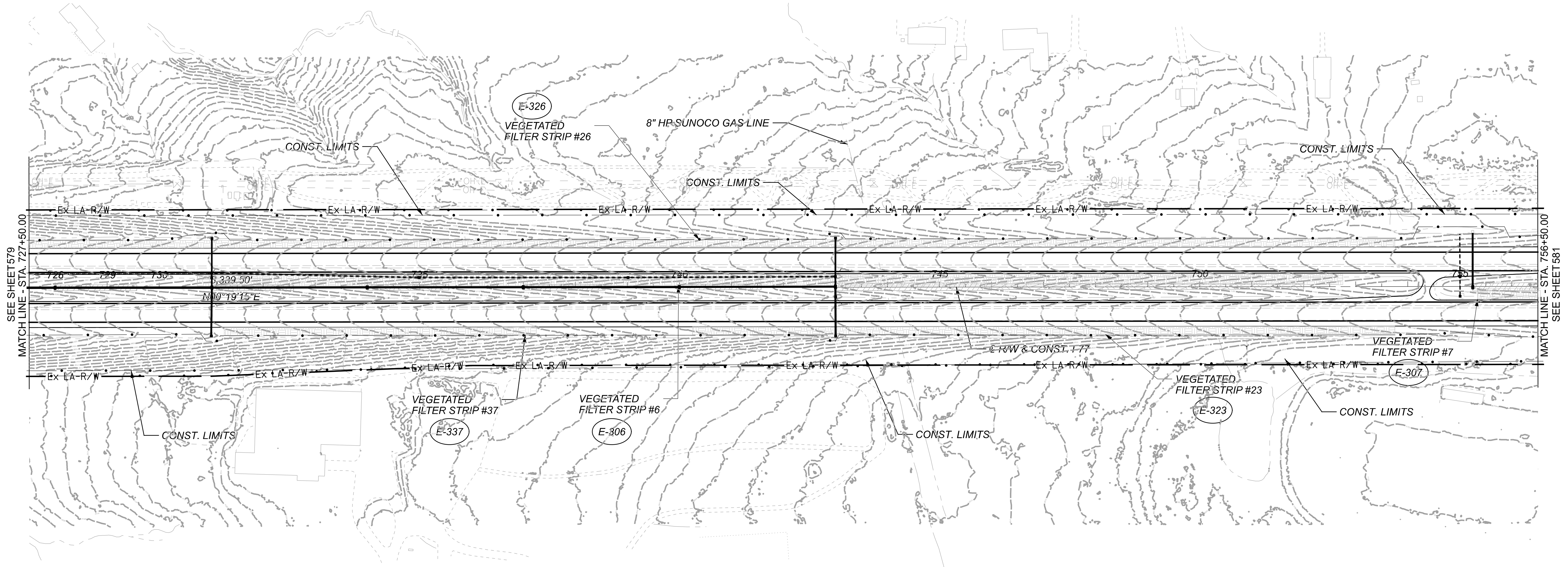


DESIGNER	ATR
REVIEWER	CWL
PROJECT ID	111404
SHEET	P.579
TOTAL	1240

FOR CURVE DATA, SEE SHEET 13
 FOR REFERENCE POINT TABLE, SEE SHEET 12
 FOR INTERSECTION DATA TABLE, SEE SHEET 12

HATCHING LEGEND

-  ITEM 601 - ROCK CHANNEL PROTECTION
-  ITEM 601 - TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT
-  ITEM 670 - DITCH EROSION PROTECTION
-  ITEM 670 - SLOPE EROSION PROTECTION (VEGETATED FILTER STRIP W/4" ITEM 659 - TOPSOIL)
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-  WETLAND
-  WETLAND AREA NOT TO BE DISTURBED



PROJECT SITE PLAN
 STA. 727+50.00 TO STA. 756+50.00









DESIGN AGENCY

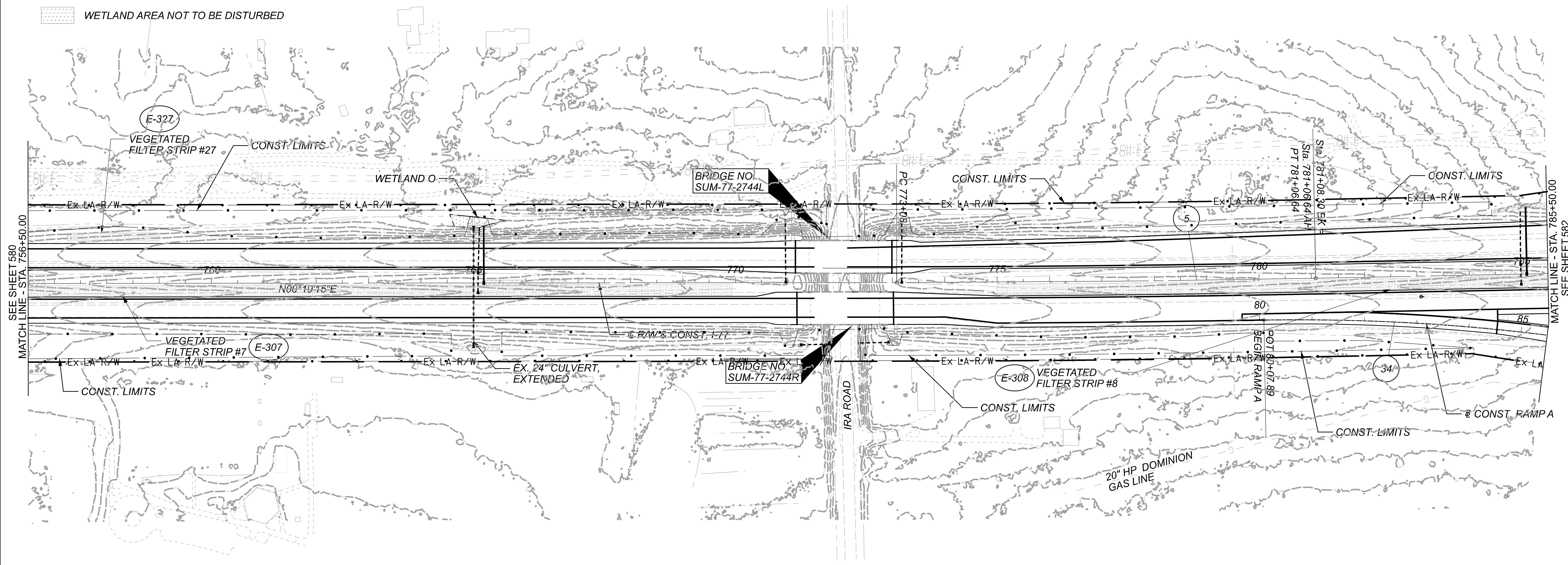
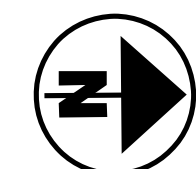
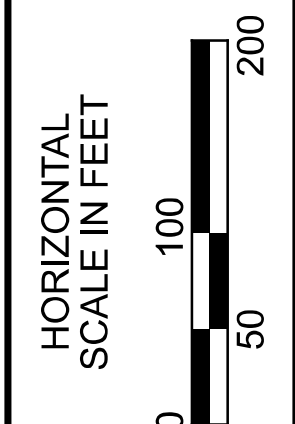


DESIGNER	ATR
REVIEWER	CWL
PROJECT ID	111404
SHEET	P.580
TOTAL	1240

FOR CURVE DATA, SEE SHEET 13
 FOR REFERENCE POINT TABLE, SEE SHEET 12
 FOR INTERSECTION DATA TABLE, SEE SHEET 12

HATCHING LEGEND

-  ITEM 601 - ROCK CHANNEL PROTECTION
-  ITEM 601 - TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT
-  ITEM 670 - DITCH EROSION PROTECTION
-  ITEM 670 - SLOPE EROSION PROTECTION (VEGETATED FILTER STRIP W/4" ITEM 659 - TOPSOIL)
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-  WETLAND
-  WETLAND AREA NOT TO BE DISTURBED



PROJECT SITE PLAN
 STA. 756+50.00 TO STA. 785+50.00









DESIGN AGENCY

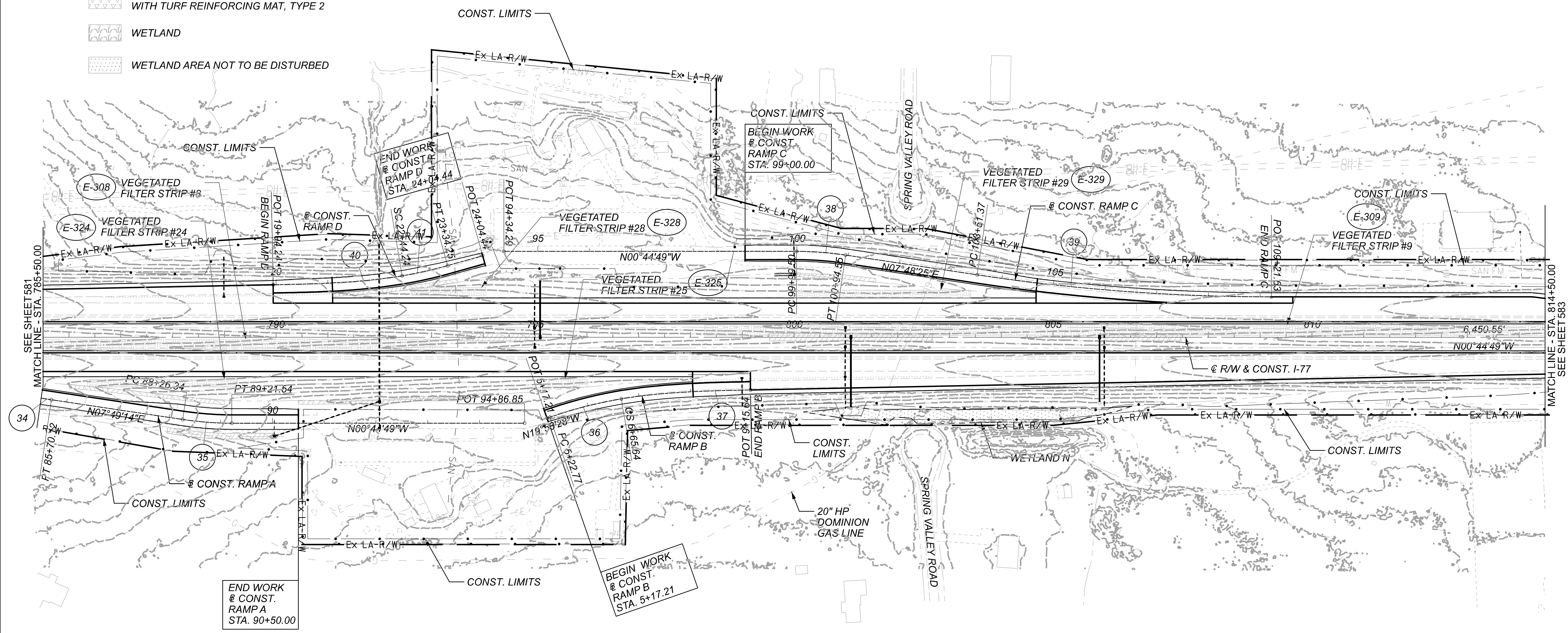
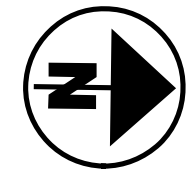
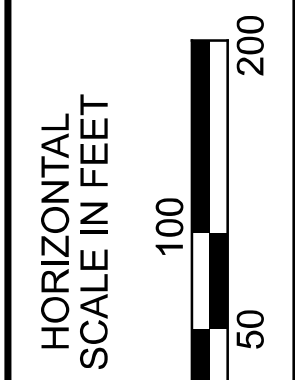


DESIGNER	ATR
REVIEWER	CWL
PROJECT ID	111404
SHEET	P.581
TOTAL	1240

FOR CURVE DATA, SEE SHEET 13
 FOR REFERENCE POINT TABLE, SEE SHEET 12
 FOR INTERSECTION DATA TABLE, SEE SHEET 12

HATCHING LEGEND

-  ITEM 601 - ROCK CHANNEL PROTECTION
-  ITEM 601 - TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT
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-  ITEM 670 - SLOPE EROSION PROTECTION (VEGETATED FILTER STRIP W/4" ITEM 659 - TOPSOIL)
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-  WETLAND
-  WETLAND AREA NOT TO BE DISTURBED



PROJECT SITE PLAN
 STA. 785+50.00 TO STA. 814+50.00

DESIGN AGENCY



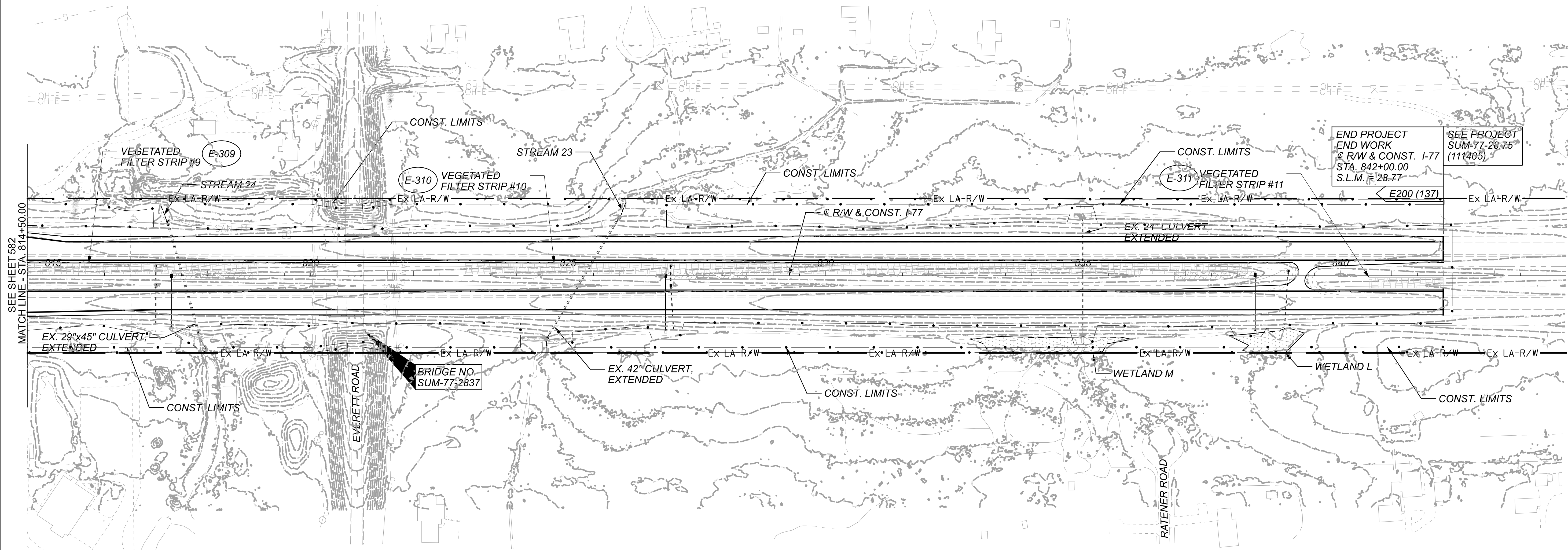
DESIGNER
 ATR

REVIEWER
 CWL 12-18-23

PROJECT ID
 111404

SHEET	TOTAL
P.582	1240

FOR CURVE DATA, SEE SHEET 13
 FOR REFERENCE POINT TABLE, SEE SHEET 12
 FOR INTERSECTION DATA TABLE, SEE SHEET 12




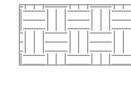






SEE SHEET 582
 MATCH LINE - STA. 814+50.00

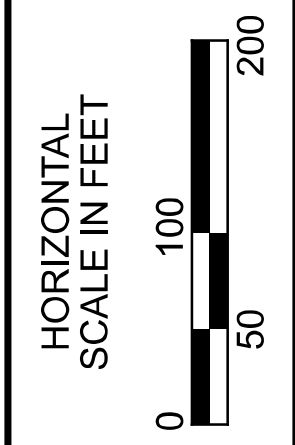
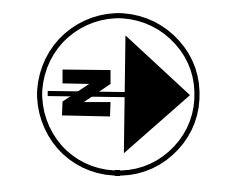
END PROJECT
 END WORK
 @ R/W & CONST. I-77
 STA. 842+00.00
 S.L.M. = 28.77

SEE PROJECT
 SUM-77-26.75
 (111405)

HATCHING LEGEND

-  ITEM 601 - ROCK CHANNEL PROTECTION
-  ITEM 601 - TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT
-  ITEM 670 - DITCH EROSION PROTECTION
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-  ITEM 836 - SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 2
-  WETLAND
-  WETLAND AREA NOT TO BE DISTURBED

FOR CURVE DATA, SEE SHEET 13
 FOR REFERENCE POINT TABLE, SEE SHEET 12
 FOR INTERSECTION DATA TABLE, SEE SHEET 12



PROJECT SITE PLAN
 STA. 814+50.00 TO END

DESIGN AGENCY



DESIGNER	ATR
REVIEWER	CWL
PROJECT ID	111404
SHEET	P.583
TOTAL	1240

BMP TYPE	SEE SHEET	LOCATION	SIDE	FILTER STRIP WIDTH	STATION	LENGTH (FT)	LATITUDE	LONGITUDE	EDA CREDITS (ACRES)
FILTER STRIP 1	577	I-77 SB	LT	20.5	660+50	403	41.158599	-81.625474	0.47
					664+53		41.159706	-81.625449	
FILTER STRIP 2	577 - 578	I-77 NB	RT	20.5	668+11	925	41.160686	-81.625328	1.07
					677+36		41.163223	-81.625272	
FILTER STRIP 3	578	I-77 NB	RT	20.5	680+57	1679	41.164107	-81.625252	1.92
					697+36		41.168659	-81.625155	
FILTER STRIP 4	579	I-77 NB	RT	20.5	702+55	1909	41.170082	-81.625125	2.21
					721+64		41.175320	-81.625017	
FILTER STRIP 5	579	I-77 NB	RT	20.5	724+85	83	41.176203	-81.624999	0.10
					725+68		41.176429	-81.624994	
FILTER STRIP 6	580	I-77 SB	LT	20.5	730+73	2202	41.177818	-81.625065	2.55
					752+75		41.183860	-81.624940	
FILTER STRIP 7	580 - 581	I-77 NB	RT	20.5	755+34	1460	41.184570	-81.624825	1.69
					769+94		41.188576	-81.624743	
FILTER STRIP 8	581 - 582	I-77 NB	RT	20.5	775+00	1820	41.189965	-81.624715	2.11
					793+20		41.194967	-81.624719	
FILTER STRIP 9	582 - 583	I-77 SB	LT	20.5	798+27	2073	41.196358	-81.624825	2.40
					819+00		41.202047	-81.624848	
FILTER STRIP 10	583	I-77 SB	LT	20.5	823+00	1520	41.203145	-81.624852	1.76
					838+20		41.207317	-81.624868	
FILTER STRIP 11	583	I-77 NB	RT	20.5	840+56	144	41.207964	-81.624771	0.17
					842+00		41.208360	-81.624773	
FILTER STRIP 12	575 - 576	I-77 NB	LT	20.5	307+00	1000	41.147277	-81.635782	1.16
					317+00		41.148860	-81.632816	
FILTER STRIP 13	576	I-77 NB	LT	20.5/25	318+50	537	41.149097	-81.632371	0.69
					323+87		41.149955	-81.630786	
FILTER STRIP 14	576	I-77 NB	RT	15	329+00	254	41.150728	-81.629207	0.15
					331+54		41.151249	-81.628580	
FILTER STRIP 15	577	I-77 NB	RT	15	342+61	109	41.153818	-81.626366	0.08
					343+70		41.154098	-81.626213	
FILTER STRIP 16	576	I-77 SB	RT	20.5	411+08	92	41.148179	-81.634831	0.10
					412+00		41.148362	-81.634598	
FILTER STRIP 17	576	I-77 SB	LT	15	415+27	653	41.149161	-81.633993	0.37
					421+80		41.150361	-81.632200	
FILTER STRIP 18	576	I-77 SB	RT	25/20.5	420+50	525	41.149987	-81.632414	0.74
					425+75		41.150834	-81.630882	
FILTER STRIP 19	576	I-77 SB	LT	25	431+50	150	41.151928	-81.629364	0.24
					433+00		41.152195	-81.628962	

BMP TYPE	SEE SHEET	LOCATION	SIDE	FILTER STRIP WIDTH	STATION	LENGTH (FT)	LATITUDE	LONGITUDE	EDA CREDITS (ACRES)
FILTER STRIP 20	578	I-77 NB	RT	15	685+00	400	41.165318	-81.624969	0.34
					689+00		41.166416	-81.624944	
FILTER STRIP 21	579	I-77 NB	RT	15	702+50	950	41.170065	-81.624854	0.92
					712+00		41.172673	-81.624800	
FILTER STRIP 22	579	I-77 NB	RT	15	713+50	500	41.173084	-81.624810	0.42
					718+50		41.174457	-81.624781	
FILTER STRIP 23	580	I-77 NB	RT	15	740+25	1350	41.180426	-81.624658	1.15
					753+75		41.184130	-81.624581	
FILTER STRIP 24	582	I-77 NB	RT	15	786+36	289	41.193089	-81.624440	0.28
					789+25		41.193882	-81.624444	
FILTER STRIP 25	582	I-77 NB	RT	15	795+25	77	41.195529	-81.624450	0.07
					796+02		41.195740	-81.624451	
FILTER STRIP 26	579 - 580	I-77 SB	LT	15	725+75	2800	41.176453	-81.625347	2.38
					753+75		41.184138	-81.625188	
FILTER STRIP 27	581	I-77 SB	LT	15	757+25	175	41.185098	-81.625186	0.17
					759+00		41.185579	-81.625176	
FILTER STRIP 28	582	I-77 SB	LT	15	792+62	143	41.194806	-81.625090	0.14
					794+05		41.195198	-81.625092	
FILTER STRIP 29	582	I-77 SB	LT	15	800+00	341	41.196831	-81.625080	0.29
					803+41		41.197767	-81.625084	
FILTER STRIP 30	576	Ramp L	LT	20.5	123+80	404	41.149605	-81.630494	0.47
					127+84		41.150048	-81.629186	
FILTER STRIP 31	576	Ramp N	RT	22/20.5/18.5/15	28+72	654	41.150396	-81.628584	0.71
					35+26		41.152023	-81.627658	
FILTER STRIP 32	576	Ramp P	LT	15/17/25	215+75	808	41.151466	-81.632867	0.78
					223+83		41.150766	-81.631661	
FILTER STRIP 33	576	Ramp S	LT	15	17+37	963	41.149757	-81.633831	0.65
					27+00		41.151871	-81.632301	
FILTER STRIP 34	576	Ramp S	RT	15	20+35	263	41.150549	-81.633532	0.22
					22+98		41.151217	-81.633380	
FILTER STRIP 35	576	Ramp R	RT	15	12+00	126	41.151596	-81.631601	0.12
					13+26		41.151638	-81.632071	
FILTER STRIP 36	576	Ghent Rd	RT	25	86+94	178	41.149716	-81.627875	0.28
					88+72		41.150035	-81.628362	
FILTER STRIP 37	580	I-77 NB	RT	15	731+25	600	41.177956	-81.624709	0.51
					737+25		41.179602	-81.624675	
TREATMENT PROVIDED									29.88
TREATMENT REQUIRED									29.10

