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SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED ACS	CHECKED JDH
P.10	P.11	P.110A	P.111	P.112	P.114	P.115	P.237					01/STR/0 4	02/STR/0 4								
LS												LS		201	11000	LS		ROADWAY			
				1									1	202	20010	1	EACH	CLEARING AND GRUBBING			
						42,055.3						31,367.7	10,687.6	202	23000	42,055.3	SY	HEADWALL REMOVED			
				99								50	49	202	35100	99	FT	PAVEMENT REMOVED			
		737										574	163	202	38000	737	FT	PIPE REMOVED, 24" AND UNDER			
																		GUARDRAIL REMOVED			
		8										8		SPECIAL	20252990	8	EACH	PARKING BLOCK REMOVED		P.11	
		1,094										1,094		202	75000	1,094	FT	FENCE REMOVED			
		1										1		202	98100	1	EACH	REMOVAL MISC.: BIRD BATH		P.11	
		3										3		202	98100	3	EACH	REMOVAL MISC.: FLAG		P.11	
		4,041										4,041		202	98400	4,041	SF	REMOVAL MISC.: LANDSCAPING REMOVAL		P.11	
16,829												12,338	4,491	203	10000	16,829	CY	EXCAVATION			
4,474												3,628	846	203	20000	4,474	CY	EMBANKMENT			
						46,240.1						34,629.1	11,611	204	10000	46,240.1	SY	SUBGRADE COMPACTION			
						380.6						310.5	70.1	204	13000	380.6	CY	EXCAVATION OF SUBGRADE			
23												17	6	204	45000	23	HOUR	PROOF ROLLING			
												1,001	338	206	10500	1,339	TON	CEMENT			
												33,697.4	11,400.8	206	11000	45,098.2	SY	CURING COAT			
						45,098.2						33,697.4	11,400.8	206	15010	45,098.2	SY	CEMENT STABILIZED SUBGRADE, 12 INCHES DEEP			
												LS		206	30000	LS		MIXTURE DESIGN FOR CHEMICALLY STABILIZED SOILS			
						3.23						2.34	0.89	209	72050	3.23	MILE	PREPARING SUBGRADE FOR SHOULDER PAVING			
		287.5										237.5	50	606	15050	287.5	FT	GUARDRAIL, TYPE MGS			
		100										50	50	606	17360	100	FT	GUARDRAIL, TYPE MGS, LONG-SPAN			
		4										3	1	606	26150	4	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)			
		2										1	1	606	26550	2	EACH	ANCHOR ASSEMBLY, MGS TYPE T			
		4										3	1	SPECIAL	69050000	4	EACH	MAILBOX SUPPORT		P.11A	
												LS		878	25000	LS		INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS			
					39.6													EROSION CONTROL			
2,336												27	12.6	601	21050	39.6	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT			
21,040												1,696	640	659	00300	2,336	CY	TOPSOIL			
1,052												15,276	5,764	659	10000	21,040	SY	SEEDING AND MULCHING			
1,052												764	288	659	14000	1,052	SY	REPAIR SEEDING AND MULCHING			
												764	288	659	15000	1,052	SY	INTER-SEEDING			
2.84												2.06	0.78	659	20000	2.84	TON	COMMERCIAL FERTILIZER			
4.35												3.16	1.19	659	31000	4.35	ACRE	LIME			
57												41	16	659	35000	57	MGAL	WATER			
47												34	13	659	40000	47	MSF	MOWING			
				199								45	154	660	25000	199	SY	SODDING STAKED			
				3,233								3,233		670	00500	3,233	SY	SLOPE EROSION PROTECTION			
				1,172								1,172		670	00700	1,172	SY	DITCH EROSION PROTECTION			
				598								598		670	00720	598	SY	DITCH EROSION PROTECTION MAT, TYPE B			
												LS		832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN			
												LS		832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS			
												LS		832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE			
												147,000		832	30000	147,000	EACH	EROSION CONTROL			
				24									24	601	32000	24	CY	ROCK CHANNEL PROTECTION, TYPE A WITH FILTER			
							34					34		601	32100	34	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER			
	10			175								48	137	601	32200	185	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER			
							45					45		601	32004	45	CY	ROCK CHANNEL PROTECTION, TYPE A WITH GEOTEXTILE FABRIC			
				22.6								22.6		602	20000	22.6	CY	CONCRETE MASONRY			
				2									2	602	98300	2	EACH	MASONRY, MISC.: MASONRY COLLAR PER DM-1.1		P.1	
					11,950							11,507	443	605	05100	11,950	FT	4" SHALLOW PIPE UNDERDRAINS			
					12,211							12,211		605	06000	12,211	FT	4" BASE PIPE UNDERDRAINS			
					4,424								4,424	605	11100	4,424	FT	6" SHALLOW PIPE UNDERDRAINS			
	50											25	25	611	00400	50	FT	4" CONDUIT, TYPE E			
	50											25	25	611	00406	50	FT	4" CONDUIT, TYPE F			
					163							147	16	611	00410	163	FT	4" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET			

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REF. NO.	SHEET NO.	LOCATION		605	605			611	611	611	BENDS AND BRACKETS FOR INFORMATION ONLY											CALCULATED	ACS CHECKED	JDH
				TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	4" SHALLOW PIPE UNDERDRAINS	4" BASE PIPE UNDERDRAINS	6" SHALLOW PIPE UNDERDRAINS	4" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET	PRECAST REINFORCED CONCRETE OUTLET	4" CROSS	6" CROSS	4" END CAP	6" END CAP	4" 45º	4" 90º	6" 90º	4" TEE	6" TEE					
				SQ YD	FT	FT	FT	FT	FT	EACH														
UD-1	P.154	196+82.54		US 42	1.8				10		1													
UD-2	P.154-P.156	196+82.54	205+45.00	US 42		865								1		1	1		1					
UD-3	P.154-P.156	196+82.54	205+45.00	US 42			864							1		1			3					
UD-4	P.155	202+83.24		US 42	1.8		19		10		1													
UD-5	P.155-P.156	202+83.24	205+45.00	US 42			262							1			1							
UD-6	P.156	205+45.00		US 42	1.8		49		10		1													
UD-7	P.156-P.157	205+45.00	210+46.23	US 42			501							1			2							
UD-8	P.156-P.157	205+45.00	210+46.23	US 42		501								1					2					
UD-9	P.156-P.157	205+45.00	210+46.23	US 42		502								1					2					
UD-10	P.156-P.157	205+45.00	210+46.23	US 42			501							1					2					
UD-11	P.157	210+46.23		US 42	1.8		52		10		1													
UD-12	P.157	210+46.23	214+44.54	US 42			399					1		1										
UD-13	P.157	210+46.23	214+44.54	US 42		399						1		1										
UD-14	P.157	210+46.23	214+44.54	US 42			398							1					1					
UD-15	P.157	210+46.23	214+44.54	US 42			398							1					1					
UD-16	P.157	210+46.23	214+44.54	US 42		399						1		1		2								
UD-17	P.157	210+46.23	214+44.54	US 42			398					1		1		2								
UD-18	P.157	214+44.54		US 42	1.8		25		10		1			1										
UD-19	P.157	214+44.54		US 42	1.8		32		10		1			1										
UD-20	P.157-P.158	214+44.54	218+75.00	US 42			429							1										
UD-21	P.157-P.158	214+44.54	218+91.08	US 42		446								1										
UD-22	P.157-P.158	214+44.54	218+91.08	US 42			447							1										
UD-23	P.157-P.158	214+44.54	218+91.08	US 42			446							1										
UD-24	P.157-P.158	214+44.54	219+42.20	US 42		535								1										
UD-25	P.157-P.158	214+44.54	216+05.00	US 42			159							1										
UD-26	P.158	218+75.00	219+46.21	US 42			97							1										
UD-27	P.158	218+75.00	219+37.20	US 42			94							1										
UD-28	P.158-P.159	219+90.11	220+55.02	US 42		96						1		1										
UD-29	P.158-P.159	219+94.84	220+49.00	US 42			81							1										
UD-30	P.159	220+55.02		US 42			74																	
UD-31	P.159-P.160	220+55.02	225+60.00	US 42			504							1			1							
UD-32	P.159-P.160	220+55.02	225+60.00	US 42		504								1					1					
UD-33	P.159-P.160	220+55.02	225+60.00	US 42			505							1					1					
UD-34	P.159-P.160	220+55.02	225+60.00	US 42			505							1					1					
UD-35	P.159-P.160	220+55.02	225+60.00	US 42		506								1					1					
UD-36	P.160	225+60.00		US 42			74																	
UD-37	P.160-P.161	225+60.00	230+16.45	US 42			457							1			1							
UD-38	P.160-P.161	225+60.00	230+16.45	US 42		457								1					1					
UD-39	P.160-P.161	225+60.00	230+16.45	US 42			456							1					1					
UD-40	P.160-P.161	225+60.00	230+16.45	US 42			456							1					1					
UD-41	P.160-P.161	225+60.00	230+16.45	US 42			455							1					1					
UD-42	P.161	230+16.45		US 42			68																	
UD-43	P.161-P.162	230+16.45	236+18.89	US 42			603							1			1							
UD-44	P.161-P.162	230+16.45	236+19.43	US 42		604								1					1					
UD-45	P.161-P.162	230+16.45	238+57.78	US 42			842							1					1					
UD-46	P.161-P.162	230+16.45	238+57.78	US 42			842							1					1					
UD-47	P.161-P.162	230+16.45	236+61.00	US 42		644								1					1					
UD-48	P.161-P.162	231+65.87	236+61.00	US 42		496								2		1			1					
UD-49	P.161-P.162	232+09.39	236+61.00	US 42			453							1		2			2					
UD-50	P.161	235+00.00		US 42	1.8	53			10		1													
SUBTOTALS THIS SHEET					12.6	7008	11945	0.00	70	0	7												P.113 P.347	

CALCULATED
ACS

CHECKED
JDH

UNDERDRAIN SUBSUMMARY

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REF. NO.	SHEET NO.	LOCATION		601	605			611	611	611	BENDS AND BRACKETS FOR INFORMATION ONLY													CALCULATED ACS CHECKED JDH
				TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	4" SHALLOW PIPE UNDERDRAINS	4" BASE PIPE UNDERDRAINS	6" SHALLOW PIPE UNDERDRAINS	4" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET	PRECAST REINFORCED CONCRETE OUTLET		4" CROSS	6" CROSS	4" END CAP	6" END CAP	4" 45º	6" 45º	4" 90º	6" 90º	4" TEE	6" TEE			
				SQ YD	FT	FT	FT	FT	FT	EACH														
UD-51	P.161	235+00.00	US 42	1.8	59			10		1														
UD-52	P.162	237+48.00	US 42			29																		
UD-53	P.162	237+48.00	238+57.78	US 42		110													1					
UD-54	P.162	237+48.00	238+57.78	US 42		110												1						
UD-55	P.162	238+62.00	US 42			31																		
UD-56	P.162	238+62.00	238+57.78	US 42		96												1						
UD-57	P.162	238+62.00	238+57.78	US 42		96													1					
UD-58	P.164	246+56.14	249+52.87	US 42		296							1					1						
UD-59	P.164	246+57.82	249+52.87	US 42		295							1						1					
UD-60	P.164	247+05.00	249+52.87	US 42		249													1					
UD-61	P.164	247+44.77	249+52.87	US 42		209							1						1					
UD-62	P.164	247+22.00	248+74.04	US 42		152													1					
UD-63	P.164	247+22.00	248+74.04	US 42		152							1					1						
UD-64	P.164	248+74.04	US 42	1.8	21			10		1														
UD-65	P.164-P.165	248+74.04	250+77.00	US 42		205							1		2				1					
UD-66	P.164-P.165	248+74.04	250+77.00	US 42		203							1					1						
UD-67	P.164	249+52.87	US 42	1.8	20			10		1														
UD-68	P.164-P.165	249+52.87	254+19.55	US 42		467							1					1						
UD-69	P.164-P.165	249+52.87	254+19.55	US 42		467							1						1					
UD-70	P.165	250+77.00	US 42	1.8	17			10		1														
UD-71	P.165	250+77.00	254+19.55	US 42		343							1		2				1					
UD-72	P.165	250+77.00	254+19.55	US 42		342							1					1						
UD-73	P.165	254+19.55	US 42	1.8	0			7		1														
UD-74	P.165-P.166	254+28.10	258+59.66	US 42		432							1		1									
UD-75	P.165	254+19.55	US 42	1.8	5			10		1														
UD-76	P.166/P.173	254+27.41	02+63.00	WAT. CAL.		243							1					1						
UD-77	P.173	00+63.00	02+63.00	WAT. CAL.		200							1					1						
UD-78	P.166	255+28.20	258+59.66	US 42		356							1		1									
UD-79	P.166	258+59.66	258+68.77	US 42	1.8	3		10		1														
UD-80	P.166	258+59.66	258+66.73	US 42	1.8	0		10		1														
UD-81	P.168-P.169	106+00.30	111+70.02	INDUSTRIAL			570								1					1				
UD-82	P.168-P.169	106+26.28	111+70.02	INDUSTRIAL			446					1			1		2							
UD-83	P.168-P.169	107+24.17	111+70.02	INDUSTRIAL			497								1					1				
UD-84	P.169	111+70.02	INDUSTRIAL	1.8			13		10	1														
UD-85	P.169	111+70.02	INDUSTRIAL	1.8			28		10	1														
UD-86	P.169-P.170	111+70.02	115+07.00	INDUSTRIAL			338								1									
UD-87	P.169-P.170	111+70.02	115+27.93	INDUSTRIAL			358								1									
UD-88	P.169-P.170	111+70.02	115+14.00	INDUSTRIAL			345								1									
UD-89	P.170	116+45.00	117+50.00	INDUSTRIAL			148												1					
UD-90	P.170	117+50.00	INDUSTRIAL	1.8			1		10	1														
UD-91	P.170-P.171	117+50.00	122+72.83	INDUSTRIAL			523																	
UD-92	P.171-P.171	120+28.92	122+72.90	INDUSTRIAL			244																	
UD-93	P.171	122+79.66	INDUSTRIAL	1.8					10	1														
UD-94	P.171	122+79.66	INDUSTRIAL	1.8					10	1														
UD-95	P.171-P.172	122+79.66	127+33.89	INDUSTRIAL			456								1				1					
UD-96	P.171-P.172	122+79.66	127+33.89	INDUSTRIAL			456								1				1					
UD-97	P.173	02+63.00	WAT. CAL.	1.8				10		1														
UD-98	P.173	02+63.00	WAT. CAL.	1.8				6		1														
SUBTOTALS THIS SHEET				27	4942	266	4424	93	50	15														
SUBTOTALS SHEET P.113				12.6	7008	11945	0	70	0	7														
TOTALS CARRIED TO GENERAL SUMMARY				39.6	11950	12211	4424	163	50	22														

UNDERDRAIN SUBSUMMARY

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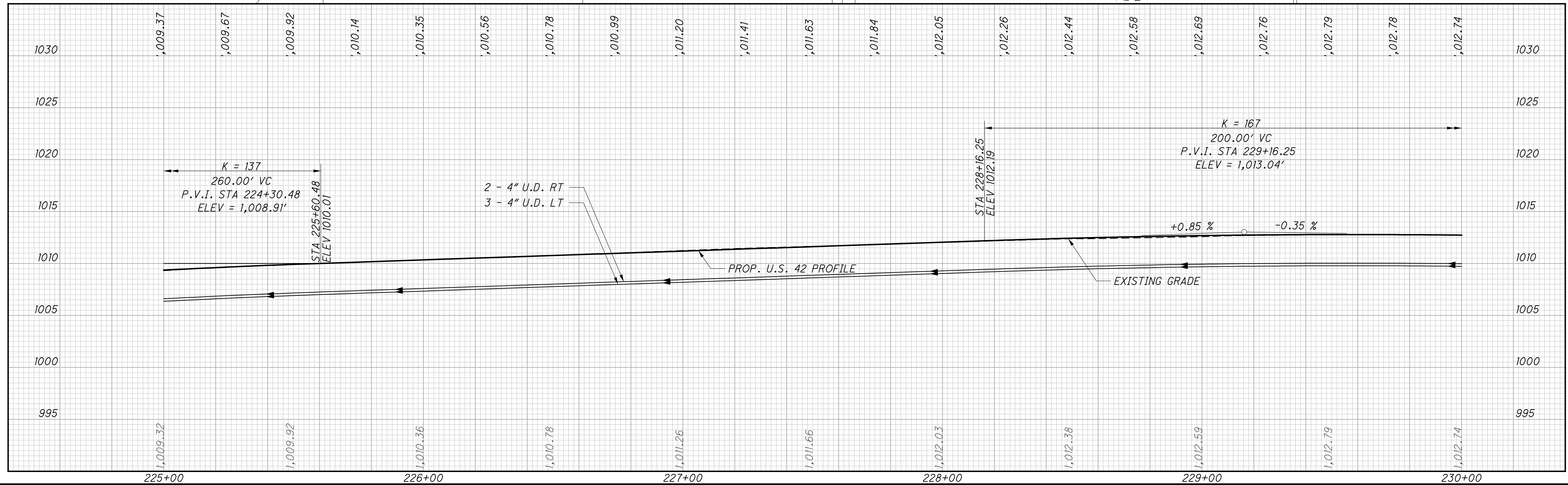
CALCULATED
ACS
CHECKED
JDH

UNDERDRAIN SUBSUMMARY

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NOTE
FOR INDUSTRIAL PARKWAY DETAILS
SEE SHEET P.170



SEE SHEETS P.234-P.235 FOR
STORM AND DRAINAGE ITEMS

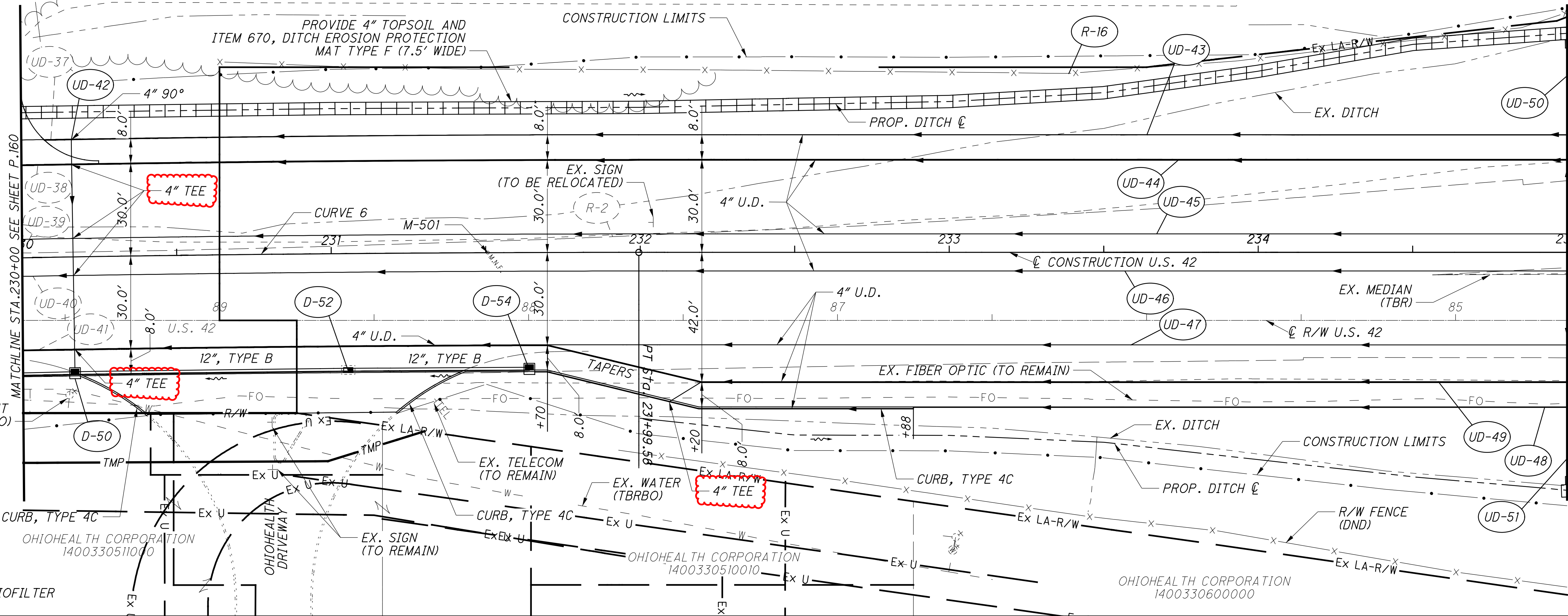
JEROME TOWNSHIP LLC & ETALS.
1400080010000

PROVIDE 4" TOPSOIL AND
ITEM 670, DITCH EROSION PROTECTION
MAT TYPE F (7.5' WIDE)

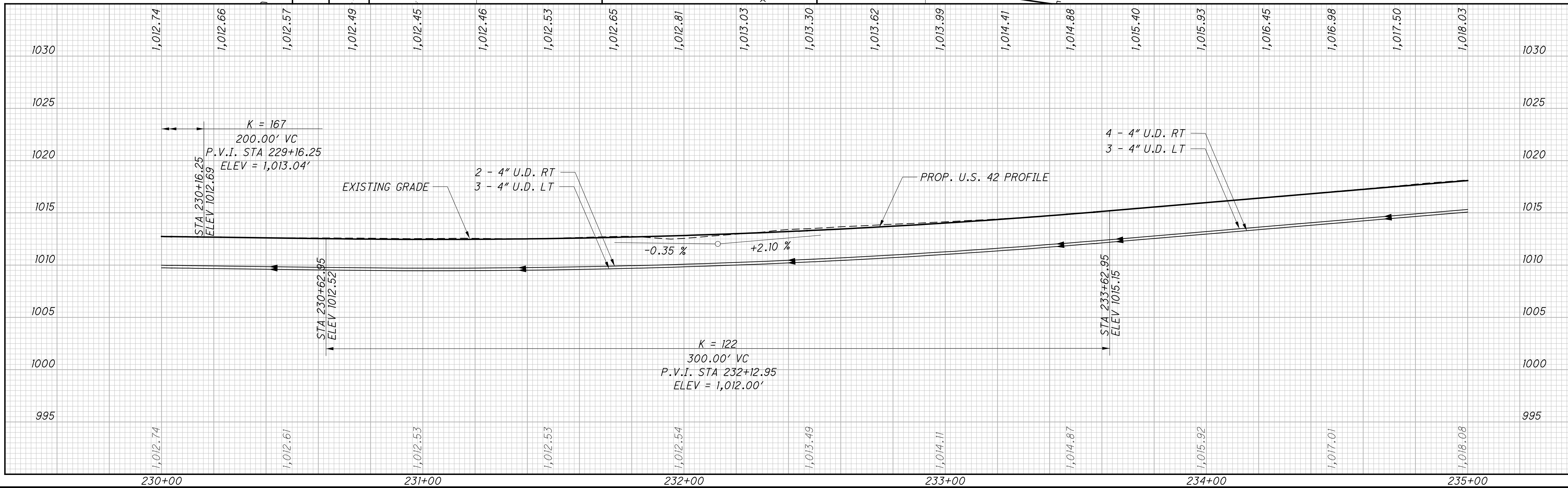
CONSTRUCTION LIMITS

PROP. DITCH ϕ

EX. DITCH



VEGETATED BIOFILTER



CALCULATED
JTO
CHECKED
JDH

PLAN AND PROFILE - U.S. 42
STA. 230+00.00 TO STA. 235+00.00

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