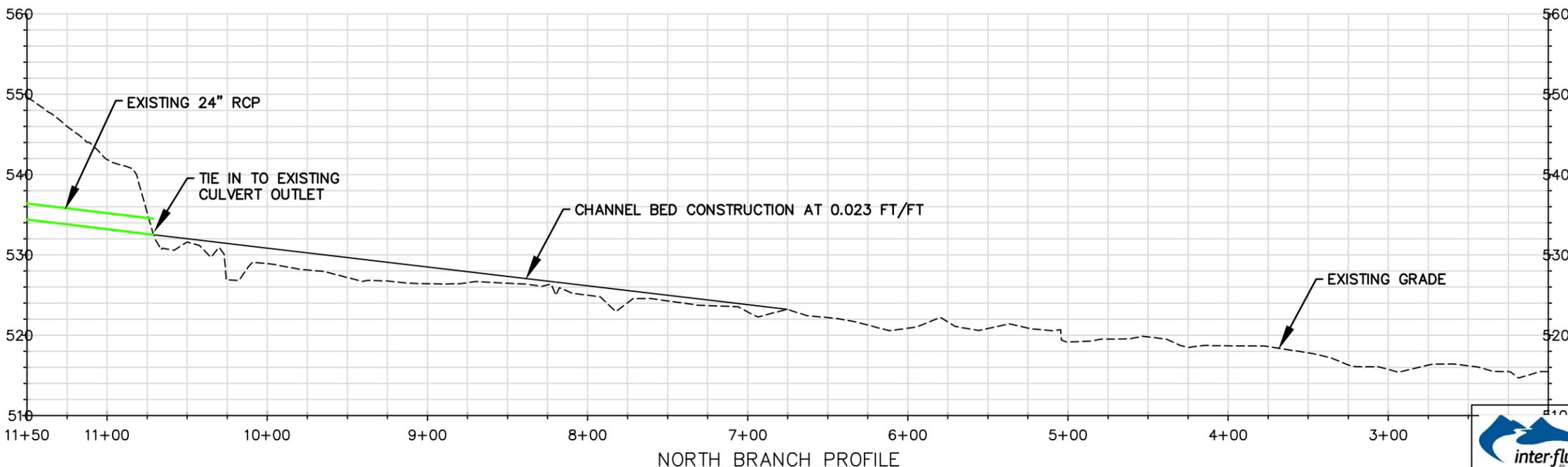


CONTROL POINT #		COORDINATES		DESCRIPTION
ID #	N	E		
941	1069857.9004	793337.3949	CROSS	
936	1069813.8513	793432.1596	CROSS	
935	1069906.899	793106.363	CROSS	
STRUCTURE		COORDINATES		DESCRIPTION
PT #	ID #	N	E	
1002	1002	1069852.8089	793336.7048	CURB INLET
3689	3689	1069750.562	793312.490	END OF PIPE
3932	3932	1069769.631	793017.049	END OF PIPE
4323	4323	1069832.283	792801.749	FLARED END SECTION
1001	1001	1069832.283	792801.749	CURB INLET

PLAN LEGEND

- EXISTING CONTOUR (INTERVAL 2 FT)
- PROPOSED CONTOUR (INTERVAL 2 FT)
- EXISTING MODELED 100-YR FLOOD
- PROPOSED EASEMENT (PDE)
- LIMITS OF DISTURBANCE
- CHANNEL BED CONSTRUCTION TREATMENT
- PROPOSED 100-YEAR FLOOD SURFACE
- PROPOSED 2-YEAR FLOOD BANK
- PROPOSED CHANNEL BOTTOM

NORTH BRANCH PLAN

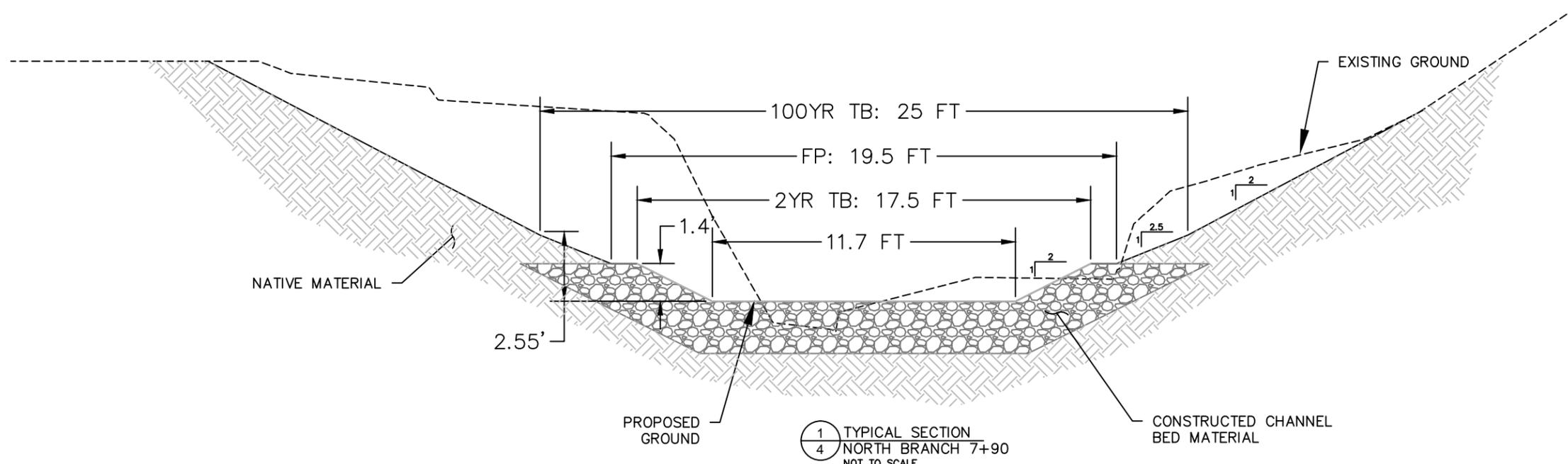


NORTH BRANCH PROFILE

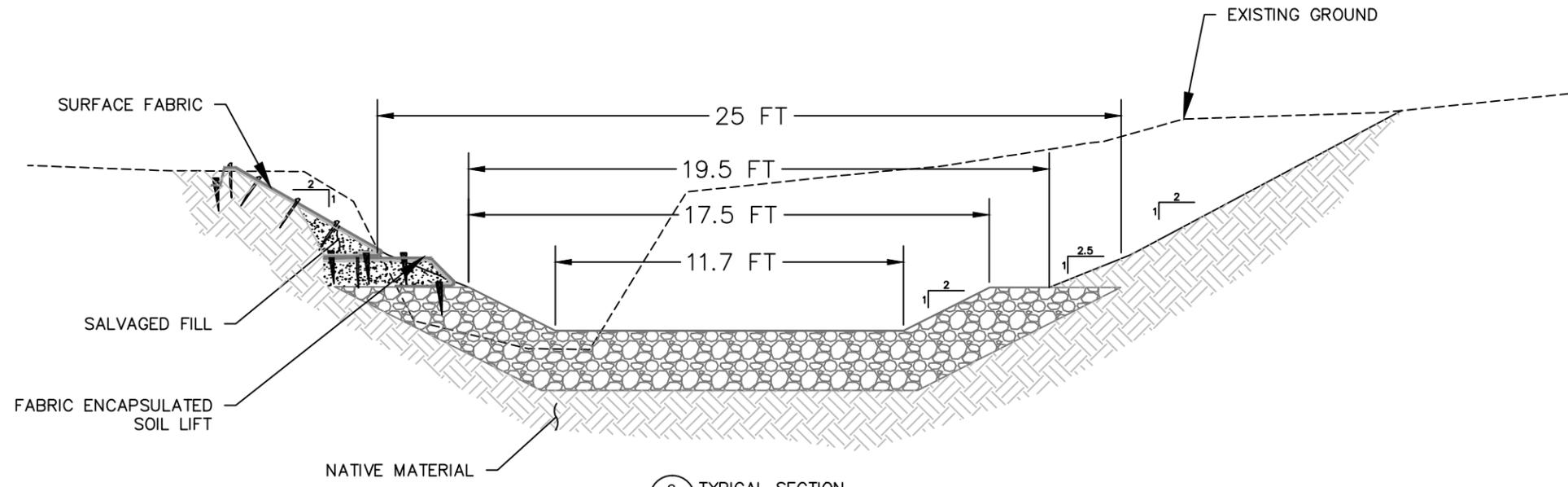
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		PROJECT #P-10 SPRINGWOOD AND CRESCENT HILLS CHANNEL IMPROVEMENTS ST. PETERS, ST. CHARLES COUNTY, MISSOURI		
		Designed	GO, BS	Date
Drawn	EBS, GO	Sheet No	3 of 12	
Checked	MJM, JC			

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1
4 TYPICAL SECTION
NORTH BRANCH 7+90
NOT TO SCALE



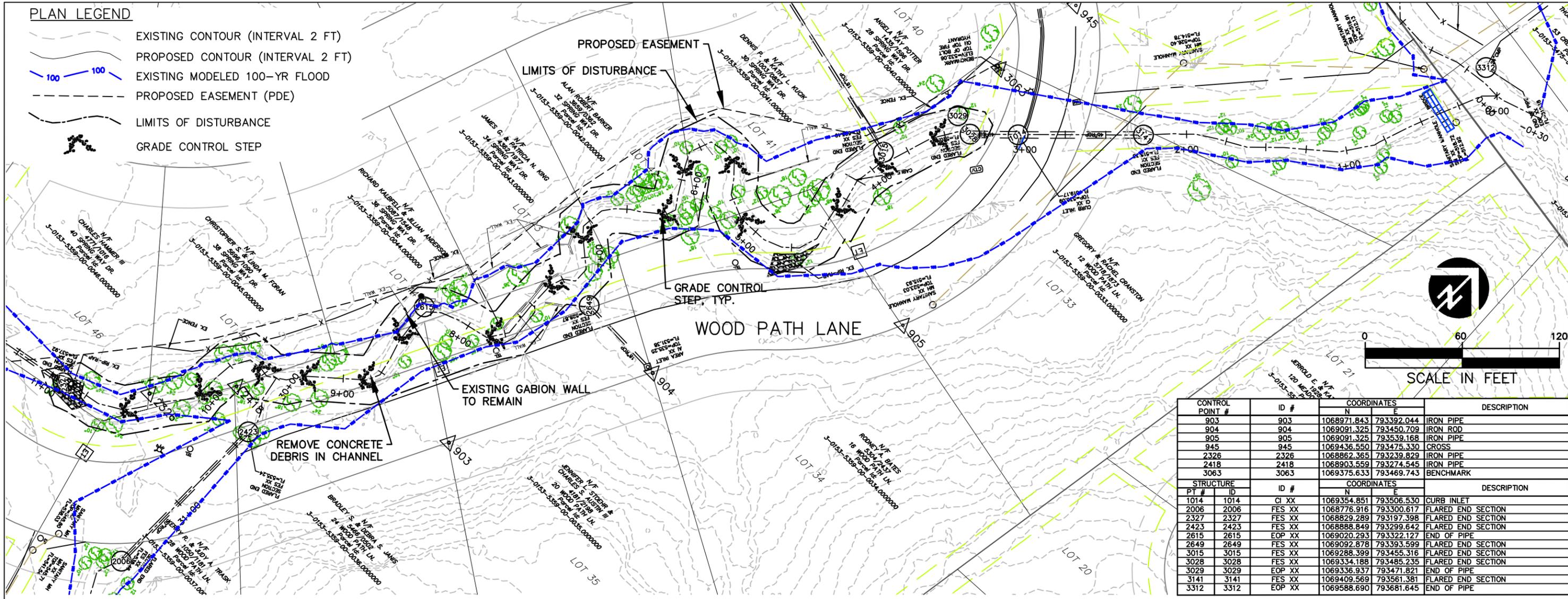
2
4 TYPICAL SECTION
NORTH BRANCH 6+50
NOT TO SCALE

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			Designed	GO, BS	Date	NOVEMBER, 2013
Drawn		EBS, GO				
Checked		MJM, JC	Sheet No. 4 of 12			



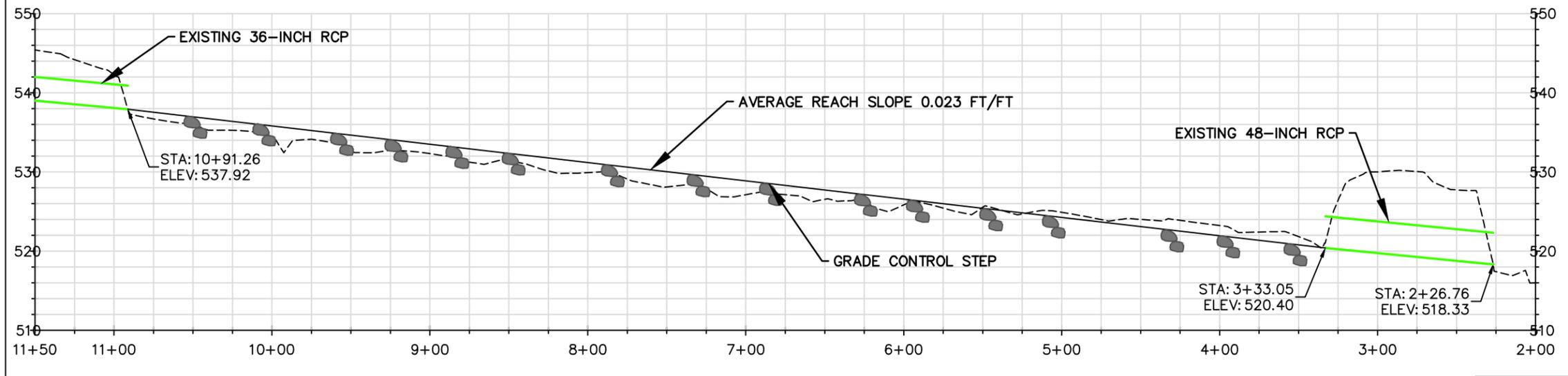
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CONTROL POINT #	ID #	COORDINATES		DESCRIPTION
		N	E	
903	903	1068971.843	793392.044	IRON PIPE
904	904	1069091.325	793450.709	IRON ROD
905	905	1069091.325	793539.168	IRON PIPE
945	945	1069436.550	793475.330	CROSS
2326	2326	1068862.365	793239.829	IRON PIPE
2418	2418	1068903.559	793274.545	IRON PIPE
3063	3063	1069375.633	793469.743	BENCHMARK

STRUCTURE PT #	ID #	ID	COORDINATES		DESCRIPTION
			N	E	
1014	1014	CI XX	1069354.851	793506.530	CURB INLET
2006	2006	FES XX	1068776.916	793300.617	FLARED END SECTION
2327	2327	FES XX	1068829.289	793197.398	FLARED END SECTION
2423	2423	FES XX	1068888.849	793299.642	FLARED END SECTION
2615	2615	EOP XX	1069020.293	793322.127	END OF PIPE
2649	2649	FES XX	1069092.878	793393.599	FLARED END SECTION
3015	3015	FES XX	1069288.399	793455.316	FLARED END SECTION
3028	3028	FES XX	1069334.188	793485.235	FLARED END SECTION
3029	3029	EOP XX	1069336.937	793471.821	END OF PIPE
3141	3141	FES XX	1069409.569	793561.381	FLARED END SECTION
3312	3312	EOP XX	1069588.690	793681.645	END OF PIPE

LOWER MAIN BRANCH PLAN



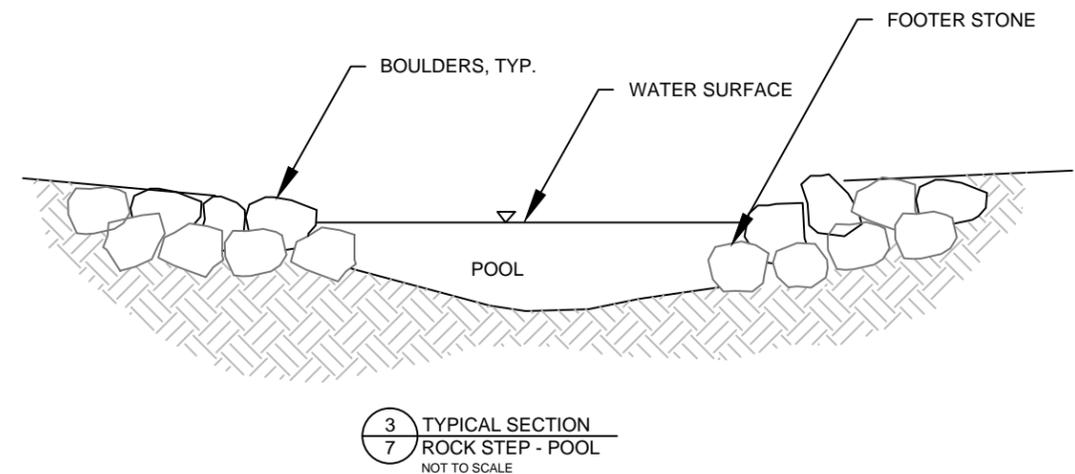
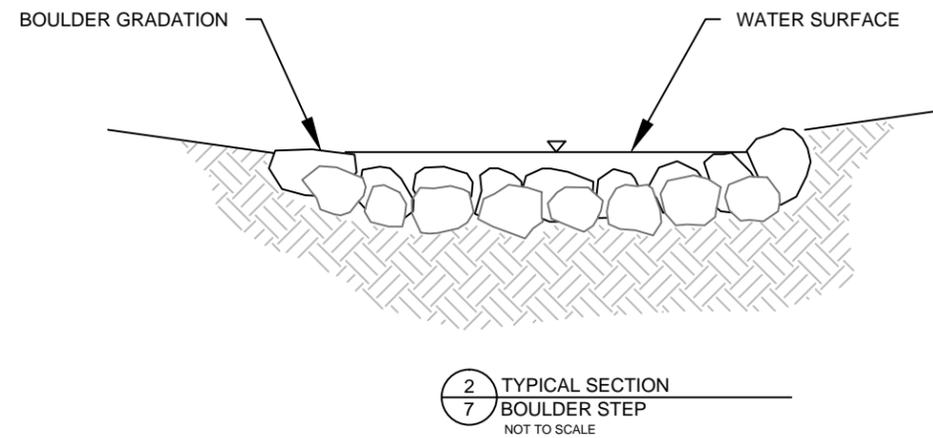
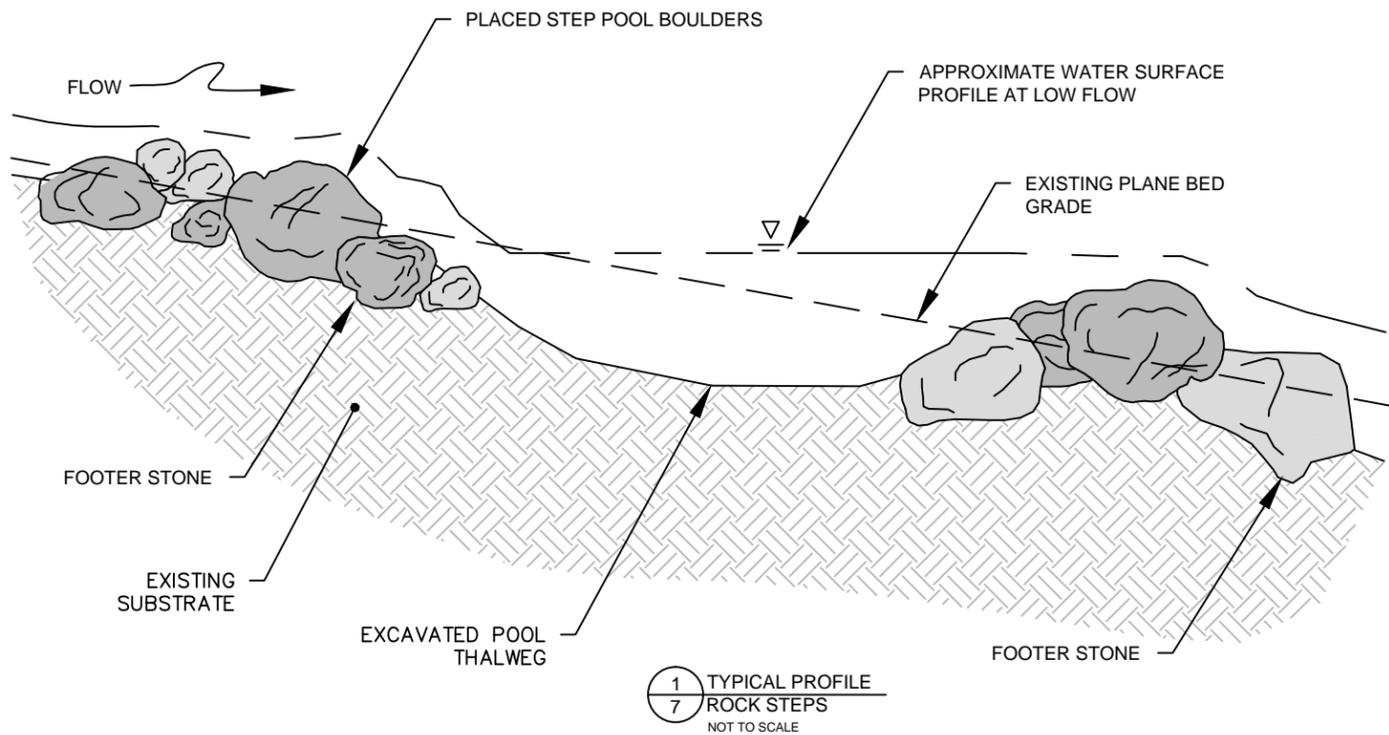
LOWER MAIN BRANCH PROFILE

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	Designed	GO, BS	Date	NOVEMBER, 2013
Drawn	EBS, GO	Checked	MJM, JC	Sheet No. 6 of 12



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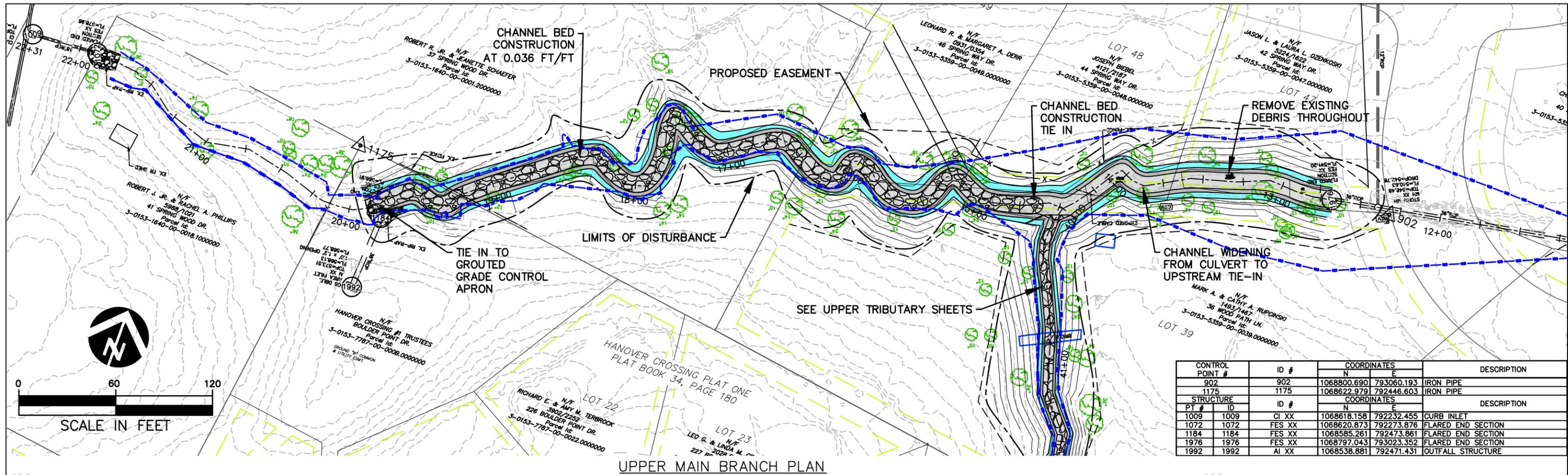
LOWER MAIN BRANCH TYPICAL DETAILS

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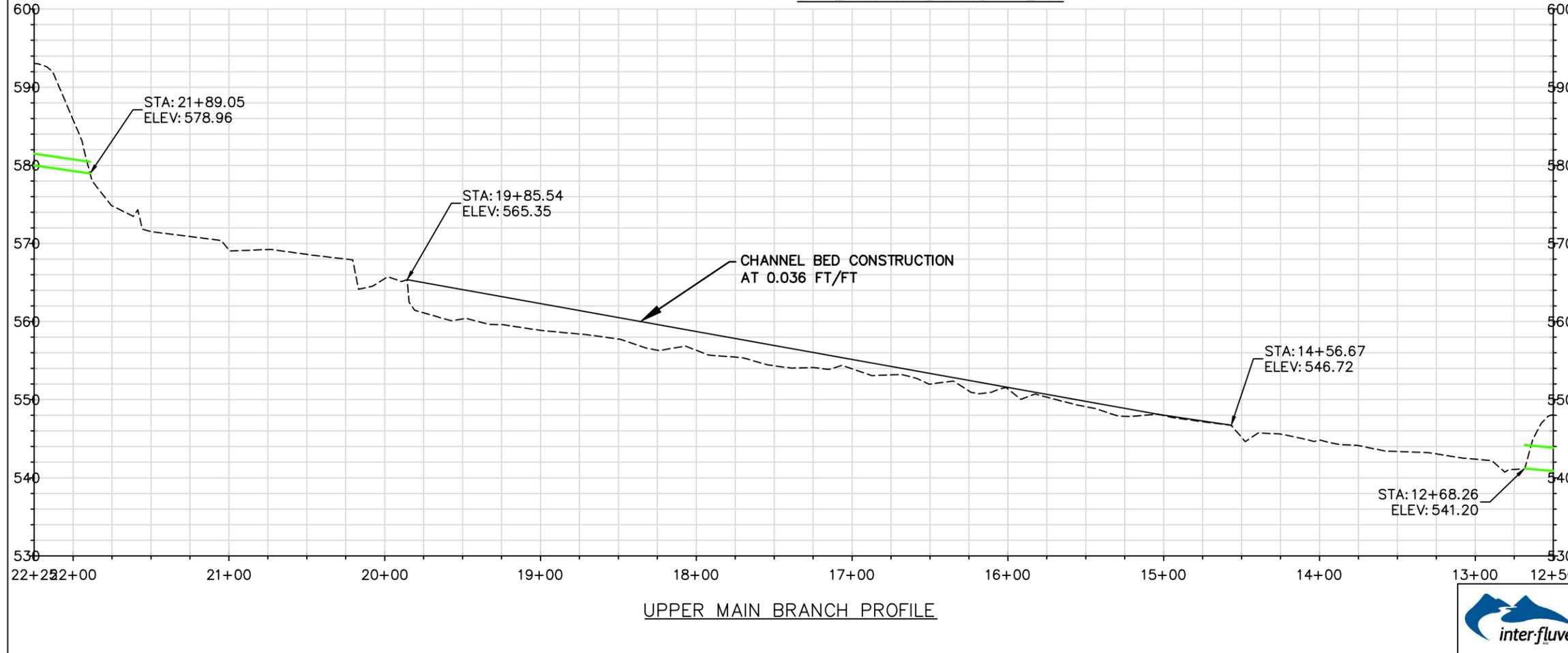
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CONTROL POINT #	ID #	COORDINATES		DESCRIPTION
		N	E	
902	902	1068800.690	793060.193	IRON PIPE
1175	1175	1068622.979	792446.603	IRON PIPE
STRUCTURE		COORDINATES		DESCRIPTION
PT #	ID	N	E	
1009	1009	CI XX	1068618.158 792232.455	CURB INLET
1072	1072	FES XX	1068620.873 792273.876	FLARED END SECTION
1184	1184	FES XX	1068585.261 792473.861	FLARED END SECTION
1976	1976	FES XX	1068797.043 793023.352	FLARED END SECTION
1992	1992	AI XX	1068538.881 792471.431	OUTFALL STRUCTURE



PLAN LEGEND

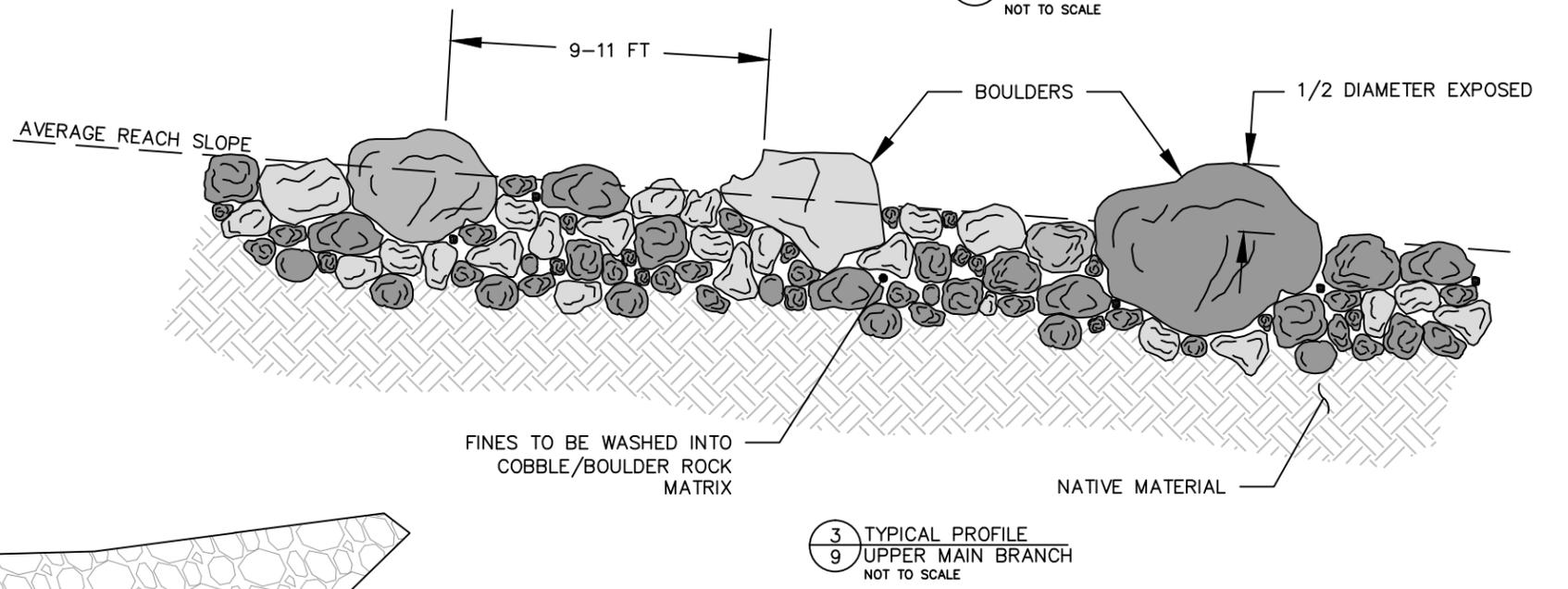
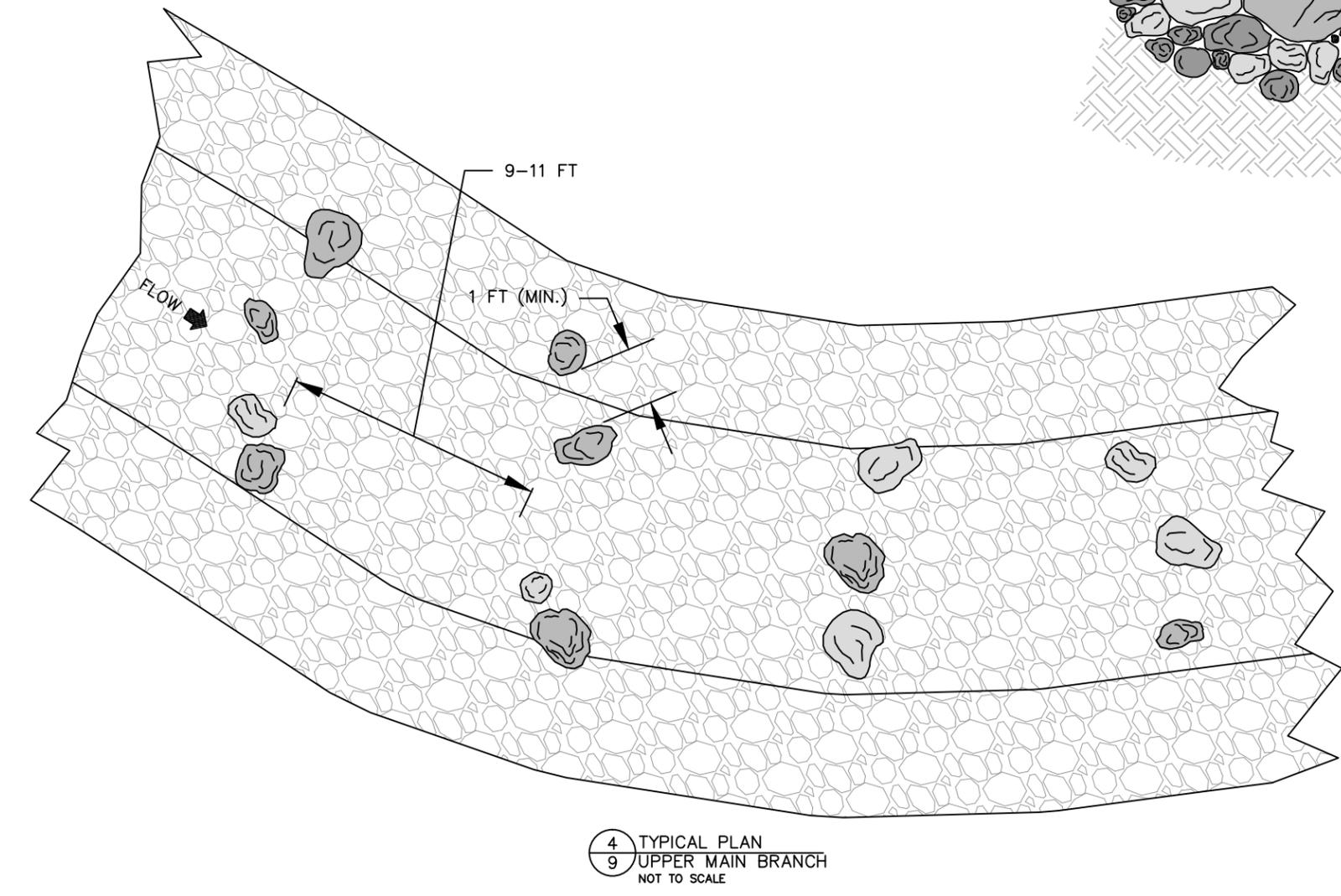
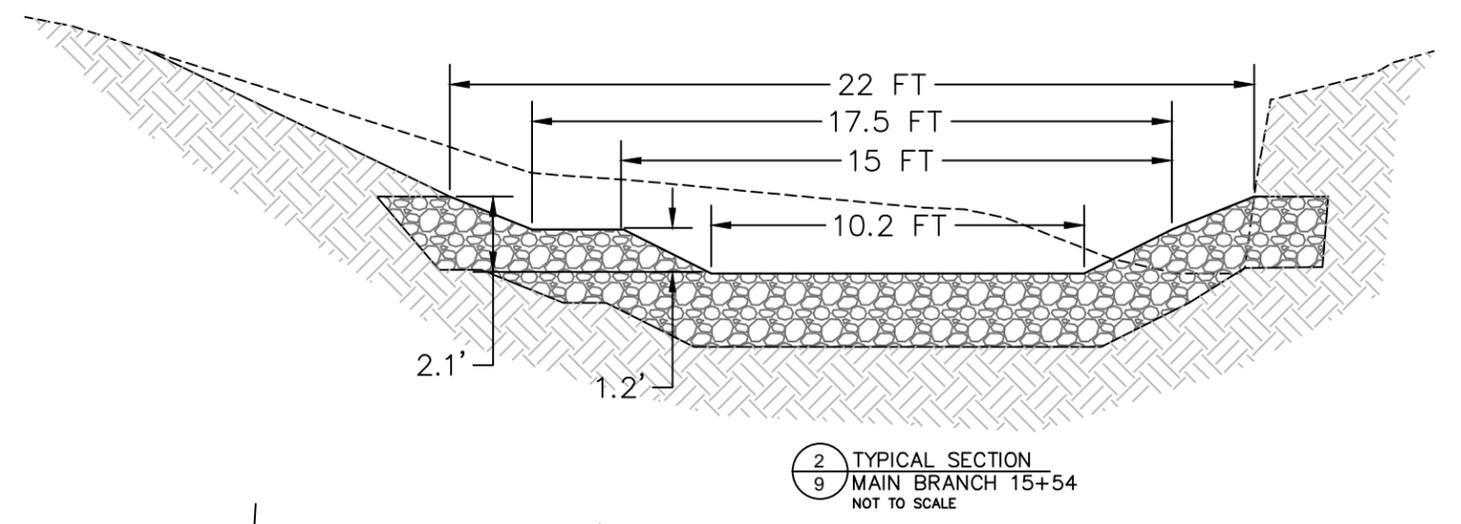
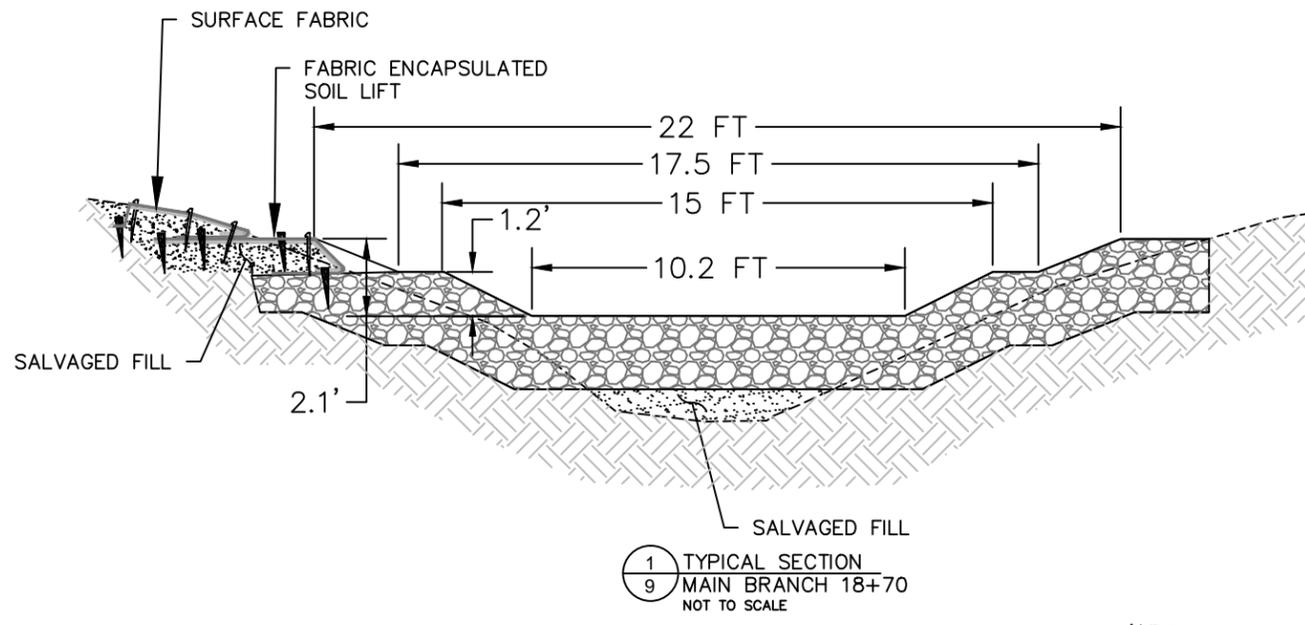
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<p>PROJECT #P-10 SPRINGWOOD AND CRESCENT HILLS CHANNEL IMPROVEMENTS ST. PETERS, ST. CHARLES COUNTY, MISSOURI</p>			
Designed	GO, BS	Date	NOVEMBER, 2013
Drawn	EBS, GO	Sheet No	8 of 12
Checked	MJM, JC		



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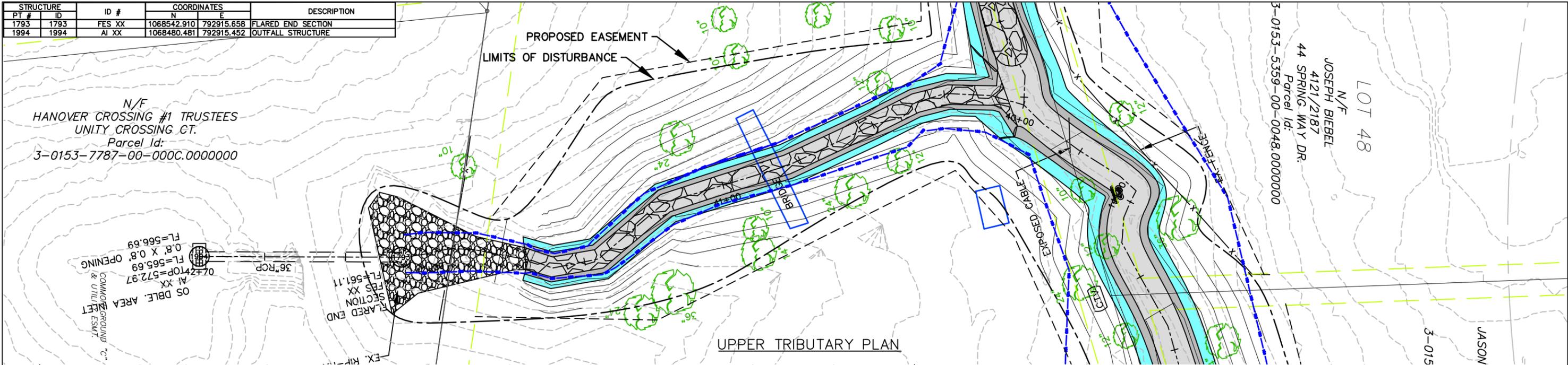
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Drawn	EBS, GO	Sheet No	9 of 12
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STRUCTURE		ID #	COORDINATES		DESCRIPTION
PT #	ID		N	E	
1793	1793	FES XX	1068542.910	792915.658	FLARED END SECTION
1994	1994	AI XX	1068480.481	792915.452	OUTFALL STRUCTURE

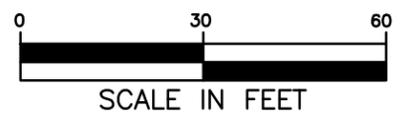


N/F
HANOVER CROSSING #1 TRUSTEES
UNITY CROSSING CT.
Parcel Id:
3-0153-7787-00-000C.0000000

LOT 48
N/F
JOSEPH BIEBEL
4121/2187
Parcel Id:
44 SPRING WAY DR.
3-0153-5359-00-0048.0000000

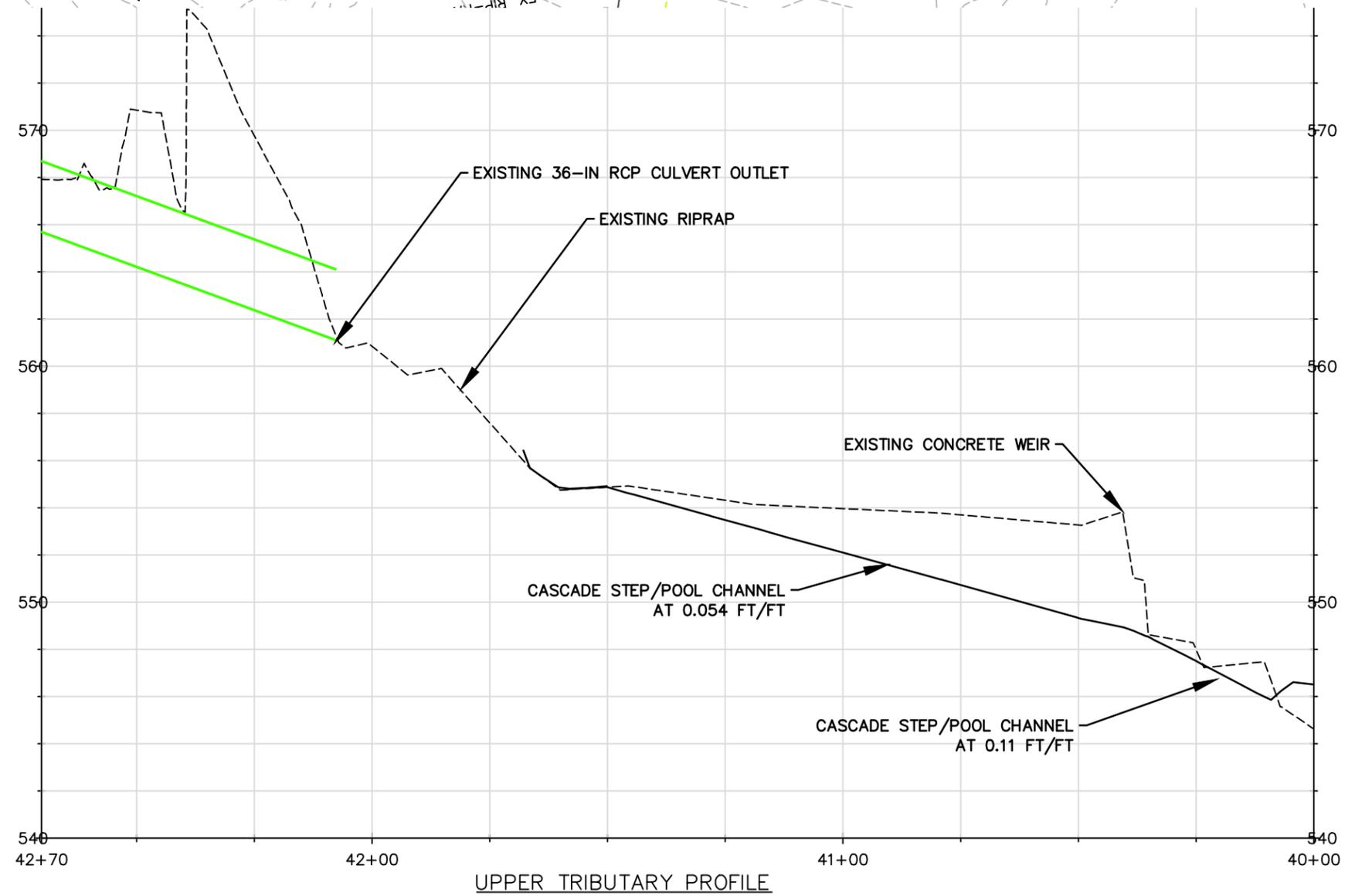
OS DBLE AREA
COMMON GROUND & UTILITY
EX. RCP
FL=566.69
0.8' X 0.8' OPENING
FL=565.69
0.7' X 0.7' OPENING
FL=572.97
AI XX
FL=561.11
FES XX
FLARED END SECTION

UPPER TRIBUTARY PLAN



PLAN LEGEND

- EXISTING CONTOUR (INTERVAL 2 FT)
- PROPOSED CONTOUR (INTERVAL 2 FT)
- EXISTING MODELED 100-YR FLOOD
- PROPOSED EASEMENT (PDE)
- LIMITS OF DISTURBANCE
- CHANNEL BED CONSTRUCTION TREATMENT
- PROPOSED 100-YEAR FLOOD SURFACE
- PROPOSED 2-YEAR FLOOD BANK
- PROPOSED CHANNEL BOTTOM



UPPER TRIBUTARY PROFILE

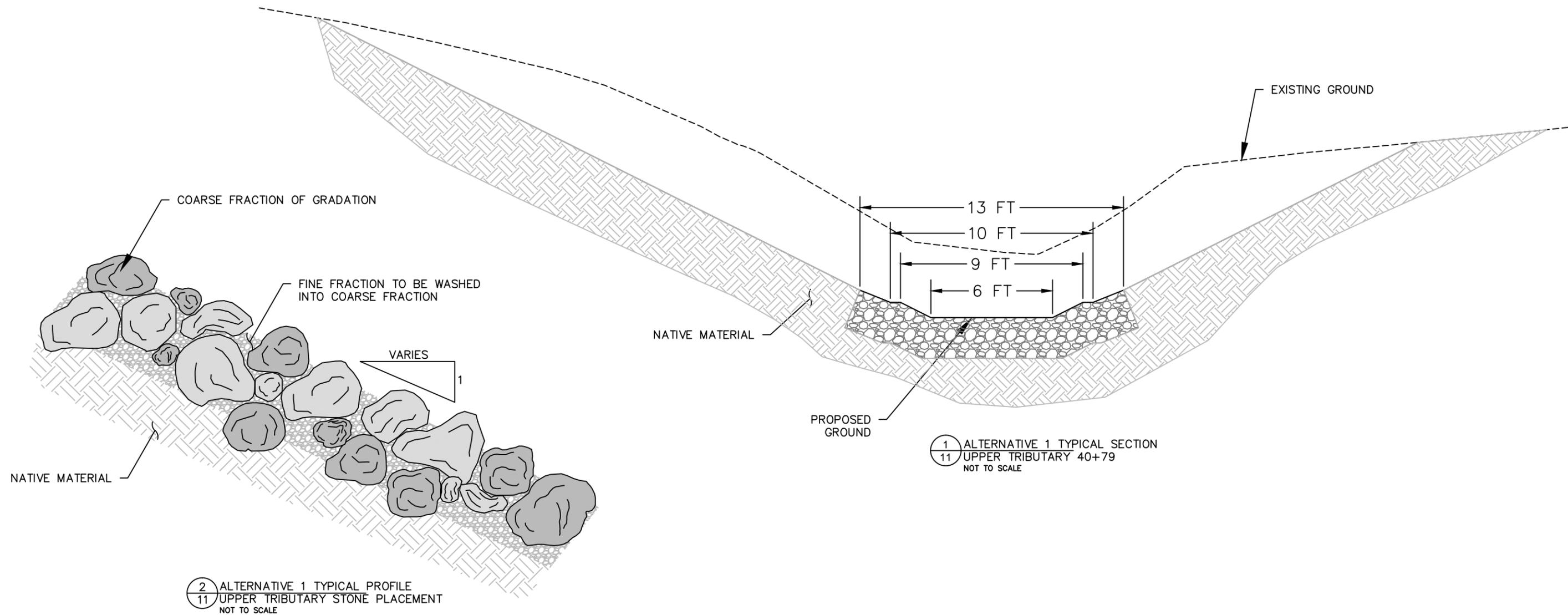
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Designed	GO, BS	Date	NOVEMBER, 2013
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1 ALTERNATIVE 1 TYPICAL SECTION
 11 UPPER TRIBUTARY 40+79
 NOT TO SCALE

2 ALTERNATIVE 1 TYPICAL PROFILE
 11 UPPER TRIBUTARY STONE PLACEMENT
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