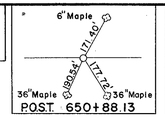
MICROFILMED
APR 5 1999

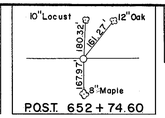
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	ACI-1103(27)	

27
413

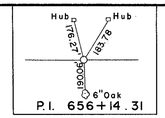
LAKE COUNTY
LAK-I-16.55

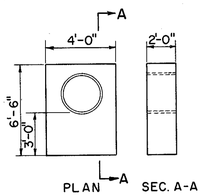
B.M.# 72A Lag Bolt in base of Tri. Maple
150' Rt. of Sta. 650+00
Elev. 684.81





B.M.# 73A Lag Bolt in root of 18" Oak
150' Lt. of Sta. 655+65
Elev. 744.80



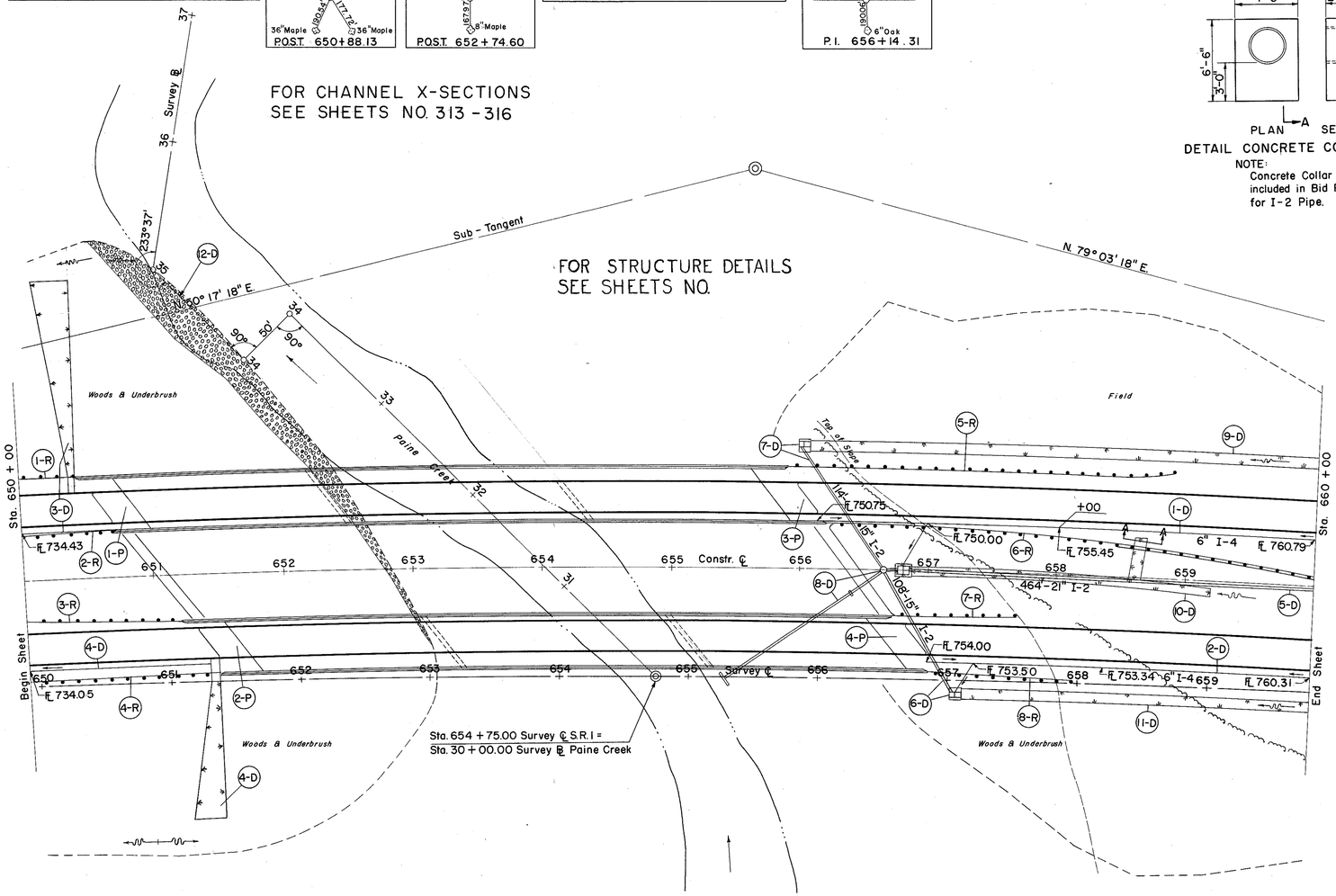


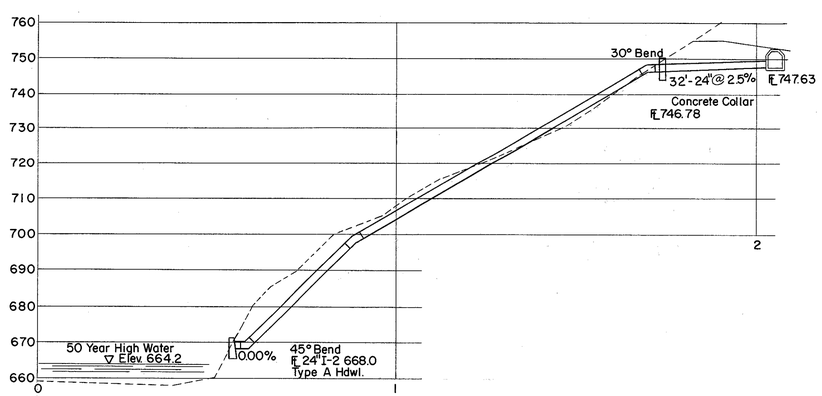
DETAIL CONCRETE COLLAR

NOTE:
Concrete Collar to be included in Bid Price for I-2 Pipe.

FOR CHANNEL X-SECTIONS
SEE SHEETS NO. 313 - 316

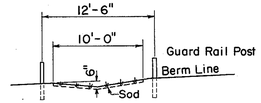
FOR STRUCTURE DETAILS
SEE SHEETS NO.





SURVEY ℄
CURVE DATA
P.I. Sta. 656 + 14.21
Δ = 28°46'00" Rt.
D = 0°28'00"
R = 12,277.66'
L = 6164.29'
T = 3148.29'
E = 397.29'

CONSTR. ℄
CURVE DATA
P.I. Sta. 656 + 14.21
Δ = 28°46'00" Rt.
D = 0°36'00"
R = 9549.30'
L = 4794.44'
T = 2448.88'
E = 309.02'



SECTION A - A
DETAIL SOD STRIP STA. 658 + 60
SCALE: 1" = 1'-0"

Ⓓ DRAINAGE

REF. NO.	STATION FROM	STATION TO	STD. #4 I-8 CATCH BASIN EACH	STD. #5 I-8 M.H. EACH	CONC. FOR STRUCT. CLASS 'C' C.Y.	REINF STEEL LBS.	EXCAV. FOR STRUCT. C.Y.	SODDING S.Y.	DUMPED ROCK FOR CHANNEL PROTECT. C.Y.	CHANNEL EXCAV. C.Y.	SPECIAL BEDDING FOR RIP-RAP PROTECTION S.Y.
1-D	656+14	660+00									282
2-D	657+00	660+00									165
3-D	650+00	650+70						14.5			
4-D	650+00	651+45									
5-D	656+78	660+00		1							
6-D	657+20										
7-D	656+00		1		5.2	218	13.0				
8-D	656+65			1							
9-D	656+00	660+00						365			
10-D	659+00	656+78						161			
11-D	657+20	660+00						288			
12-D	654+03								667	2571	

Ⓓ DRAINAGE I-5

REF. NO.	STATION FROM	STATION TO	CL "A" STORM SEWER UNDER PAVT. SEC. M-6.8 (b) 15"	18"	24"	STORM SEWER SEC. M-6.8 (a) 15"	18"	24"	8" C.M.P. OUTLET PIPE SEC. M-6.4 (a)	6" PIPE UNDER-DRAIN SEC. M-6.4 (n) SHALLOW	6" PIPE UNDER-DRAIN SEC. M-6.4 (n) SHALLOW	6" 60° WYE SEC. M-6.4 (n)	24" BENDS SEC. M-6.4 (c)	30.45	15
			LIN. FT.												
1-D	656+14	660+00							10	4.16	1				
2-D	657+00	660+00							10	3.16	1				
3-D	650+00	650+70													
4-D	650+00	651+45									70				
5-D	656+78	660+00						322			145				
6-D	657+20														
7-D	656+00				108										
8-D	656+65				114										
9-D	656+00	660+00						164							
10-D	659+00	656+78													
11-D	657+20	660+00													
12-D	654+03														

REF. NO.	STATION FROM	STATION TO	SIDE	I-6 6" 60° WYE SEC. M-6.4 (n)	I-6 6" 90° WYE SEC. M-6.4 (n)	I-6 6" 45° WYE SEC. M-6.4 (n)	I-6 6" 22½° BEND SEC. M-6.4 (n)	I-6 6" 11¼° BEND SEC. M-6.4 (n)	I-6 6" CAP SEC. M-6.4 (n)	I-6 6" TEE SEC. M-6.4 (n)	I-6 6" CROSS SEC. M-6.4 (n)	I-6 6" PLUG SEC. M-6.4 (n)	I-6 6" REDUCER SEC. M-6.4 (n)	I-6 6" CLEAN-OUT SEC. M-6.4 (n)
1-D	656+14	660+00	LT.	1										
2-D	657+00	660+00	RT.	1										
3-D	650+00	650+70												
4-D	650+00	651+45	LT.											
5-D	656+78	660+00	℄											
6-D	657+20													
7-D	656+00													
8-D	656+65													
9-D	656+00	660+00	LT.											
10-D	659+00	656+78	℄											
11-D	657+20	660+00	RT.											
12-D	654+03		LT.											

REF. NO.	STATION FROM	STATION TO	SIDE	6" GUARD RAIL STEEL BEAM TYPE A W/ STEEL POST DEEP MOUNT SEC. M-2.8 L.F.	6" GUARD RAIL STEEL BEAM TYPE A W/ STEEL POST DEEP MOUNT SEC. M-2.8 L.F.
1-R	650+00	650+40	LT.	40	
2-R	650+00	650+70	LT.	70	
3-R	650+00	651+20	RT.	120	
4-R	650+00	651+47	RT.	147	
5-R	656+00	659+00	LT.	300	
6-R	656+25	600+00	LT.	150 225	
7-R	656+70	657+68	RT.	100	
8-R	657+00	658+25	RT.	112.5	

Ⓡ ROADWAY

REF. NO.	STATION FROM	STATION TO	SIDE	SODDING RIGHT DITCH STATION	DEPTH	SLOPES F	SLOPES B	WIDTH	LENGTH	S.Y.
1-P	650+71	650+96	LT.	657 + 20	0.50	8:1	3:1	9.5	280	288
2-P	651+32	652+65	RT.	660 + 00		8:1	3:1	9.0		
3-P	655+87	656+12	LT.							
4-P	656+56	656+81	RT.	SODDING MEDIAN						
		TOTAL		659 + 20	0.1	8:1	8:1	6.0	242	161
				656 + 78		8:1	8:1	6.0		
				SODDING LEFT DITCH						
				656 + 00	0.40	8:1	3:1	8.4	400	365
				660 + 00		8:1	3:1	8.0		

Ⓟ PAVEMENT

REF. NO.	STATION FROM	STATION TO	SIDE	FOR REINF CONC. APPR. SLABS 15" S.Y.
1-P	650+71	650+96	LT.	67
2-P	651+32	652+65	RT.	67
3-P	655+87	656+12	LT.	67
4-P	656+56	656+81	RT.	67
		TOTAL		268

STA. 650 + 00 TO STA. 660 + 00