

BM #111: "SQUARE" SET ON SOUTH END OF HEADWALL OF CULVERT UNDER I-271, EAST SIDE OF I-271 NORTHBOUND, 200' SOUTH OF ON RAMP TO CHAGRIN BOULEVARD. ELEV. 1195.15

CONSTRUCTION @
 CURVE No. 1
 D = 0'-28'-00"
 R = 12,277.67'
 L = 6,131.80'
 T = 3,131.26'
 PI STA. 390+31.26
 Δ = 28°-36'-54"

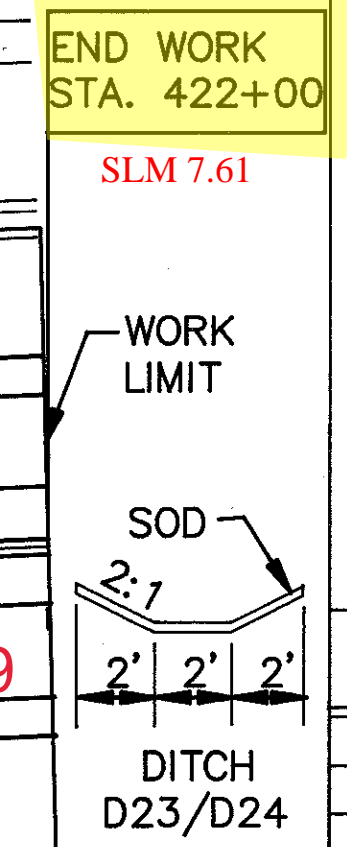
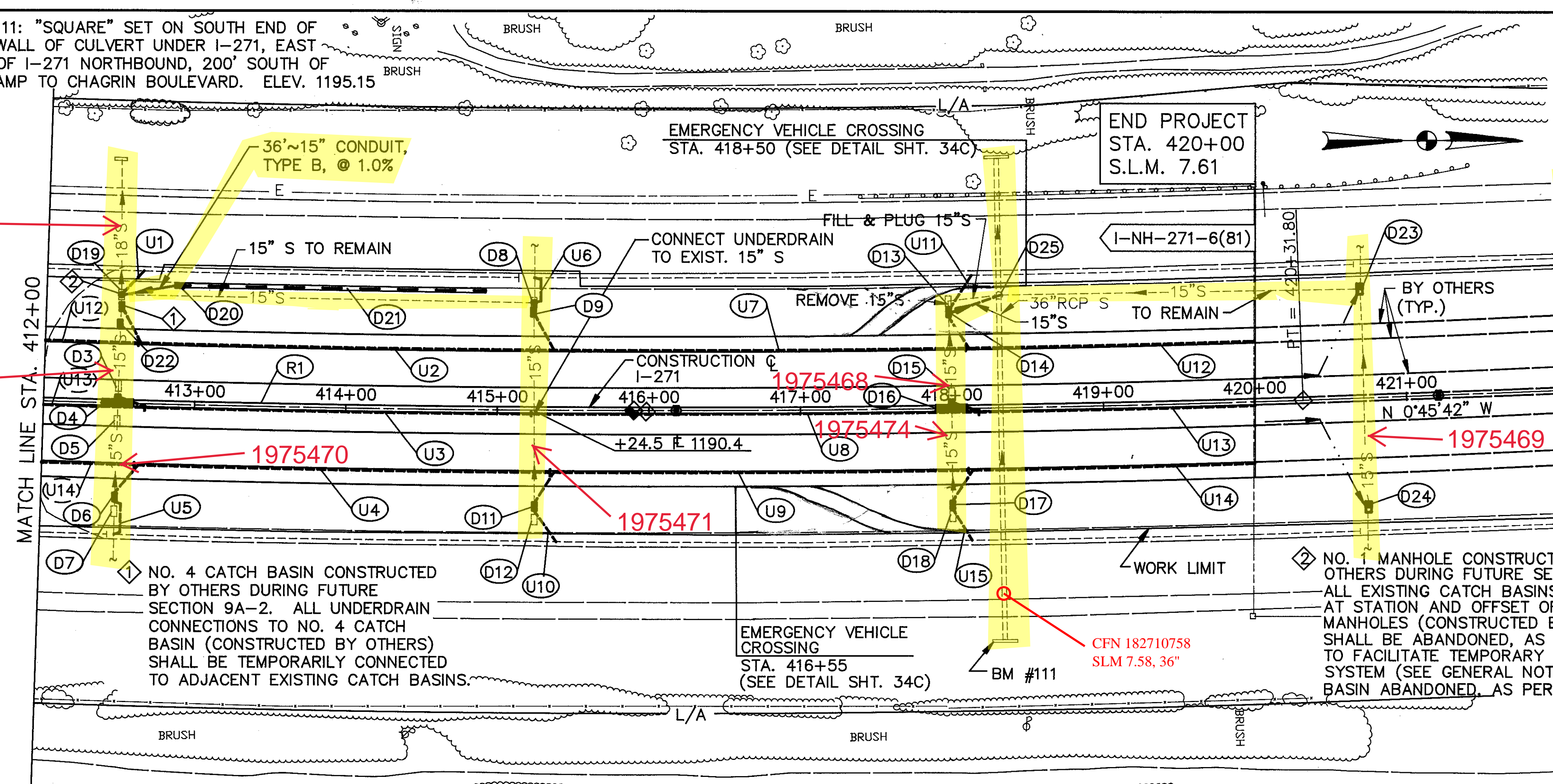
CALC. BY: JJB
 DATE: 10/92
 CHKD. BY: RBB
 DATE: 10/92

CUY-271-6.41

OHIO
 FHWA REGION 5
 41
 145

1975472

1975480



ESTIMATED QUANTITIES

REF.	FROM	TO	SIDE	LOCATION																	
				FILL AND PLUG EXISTING CONDUIT	CATCH BASIN REMOVED	CATCH BASIN ABANDONED	PIPE REMOVED, 24" AND UNDER	15" CONDUIT, TYPE B, 706.02	15" CONDUIT, TYPE C, 706.02	CATCH BASIN ADJUSTED TO GRADE	CATCH BASIN, 2-2B	CATCH BASIN, NO. 4 WITH E GRATE	INLET, NO. 3B50, A.P.P.	MANHOLE, NO. 1	SODDING						
D3	412+49		11.0'L		1																
D4	412+49.0		3'L				12	12													
D5	412+49		11.7'R		1		19	19													
D6	412+49.0		63'R				7		7												100
D7	412+49		70.6'R			1															
D8	415+24		71.1'L				6		6												1
D9	415+24.1		63'L				15.1		15.1												100
D11	415+24.9		63'R				7		7												100
D12	415+25		71.2'R			1															
D13	417+99		71.1'L		33	1															
D14	417+99.1		63'L				15		42												100
D15	418+00		10.1'L			1	11		11												
D16	418+00.0		3'L				8		8												1
D17	418+00.0		63'R				7		7												100
D18	418+00		70.0'R				1														
D20	412+85		80.5'L																		1
D22	412+49.7		51'L																		1
D23	420+75		70.1'L																		67
D24	420+75		71.6'L																		67
TOTALS					33	4	3	115	58	84	2	2	5	2	1						634

REFERENCE R# LOCATED ON ROADWAY SUB-SUMMARY, SHT 32.

REF.	FROM	TO	SIDE	LOCATION								
				CATCH BASIN ABANDONED, AS PER PLAN	MANHOLE RECONSTRUCTED TO GRADE	15" CONDUIT, AS PER PLAN	15" CONDUIT, TYPE B, 706.02	6" CONDUIT, TYPE F	6" SHALLOW PIPE UNDERDRAIN TEE	BEND	6" FITTINGS	
D19	412+50		71.5'L	1			36					
D21	412+85	414+85	80.5'L			200						
D25	418+32		74.8'L		1							
U1	412+49.9	412+60.0	L				20					1
U2	412+49.9	415+35	L				27	272				1
U3	412+49.0	415+22	R				10	264				
U4	412+49.0	415+35	R				27	273				1
U5	412+49.0		R				26					1
U6	415+24.1		L				18					1
U7	415+24.1	418+10	L				27	273				1
U8	415+24.5	418+07	R				10	273				1
U9	415+24.9	418+11	R				27	273				1
U10	415+24.9	415+39.5	R				30					1
U11	417+99.1	418+13.7	L				30					1
U12	417+99.1	420+17	L				27	205				1
U13	418+00.0	420+17	R				10	207				1
U14	418+00.0	420+17	R				27	204				1
U15	418+00.0	418+14.6	R				30					1
SUBTOTAL							58	346	2244			
TOTALS					1	1	200	94	346	2244		

