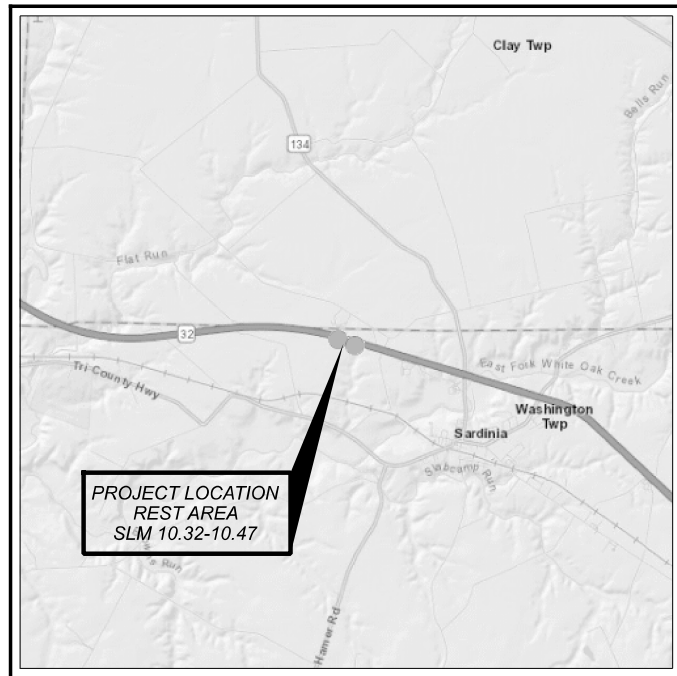


STATE OF OHIO DEPARTMENT OF TRANSPORTATION

BRO-32-REST AREA

WASHINGTON TOWNSHIP
BROWN COUNTY



LOCATION MAP

LATITUDE: 39°01'08.58" LONGITUDE: -83°49'29.10"



PORTION TO BE IMPROVED	-----	=====
INTERSTATE HIGHWAY	-----	=====
FEDERAL ROUTES	-----	=====
STATE ROUTES	-----	=====
COUNTY & TOWNSHIP ROADS	-----	=====
OTHER ROADS	-----	=====

DESIGN DESIGNATION (S.R. 32)

CURRENT ADT (2024)	-----	15,500
DESIGN YEAR ADT (2044)	-----	17,500
DESIGN HOURLY VOLUME (2044)	-----	2,000
DIRECTIONAL DISTRIBUTION	-----	72%
TRUCKS (24 HOUR B&C)	-----	10%
DESIGN SPEED	-----	65 MPH
LEGAL SPEED	-----	60 MPH
DESIGN FUNCTIONAL CLASSIFICATION:		
03 - PRINCIPAL ARTERIAL OTHER	-----	
NHS PROJECT	-----	YES

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OHIO811.org
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:
OHIO DEPARTMENT OF TRANSPORTATION
DISTRICT 9

INDEX OF SHEETS:

TITLE SHEET	P.1
SCHEMATIC PLAN	P.2
TYPICAL SECTIONS	P.3
GENERAL NOTES	P.4
MAINTENANCE OF TRAFFIC	P.5
GENERAL SUMMARY	P.6
ROADWAY SUBSUMMARY	P.7
PAVEMENT CALCULATIONS	P.8
PLAN & PROFILE - BRO-32-10.32	P.9
CROSS SECTIONS - BRO-32-10.32	P.10-P.14
PLAN & PROFILE - BRO-32-10.47	P.15
CROSS SECTIONS - BRO-32-10.47	P.16-P.19
CULVERT DETAILS - BRO-32-10.32	P.20
CULVERT DETAILS - BRO-32-10.47	P.21

FEDERAL PROJECT NUMBER

E230448

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF REPLACEMENT OF TWO CULVERT PIPES ALONG SR 32 AT THE ENTRANCE AND EXIT TO THE ROADSIDE REST AREA.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	0.354 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.125 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A (NOI NOT REQUIRED)

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE REST AREA AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

Michael G. Dombrowski
District 09 Deputy Director

Jack Marchbanks, PhD
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-1.1	7/28/00	TC-42.20	10/18/13	800-2023 10/20/23	WATERWAY PERMIT CONDITONS DATED 9/14/23
BP-2.5	1/21/22			832 7/21/23	
BP-5.1	7/15/22			902 7/19/19	
HW-2.1	7/20/18				
HW-2.2	7/20/18				
HL-30.11	7/21/23				
MT-95.45	7/21/23				
MT-98.30	7/16/21				
MT-101.60	4/21/23				
MT-101.90	7/17/20				
MT-105.10	1/17/20				
TC-41.20	10/18/13				

ENGINEER'S SEAL

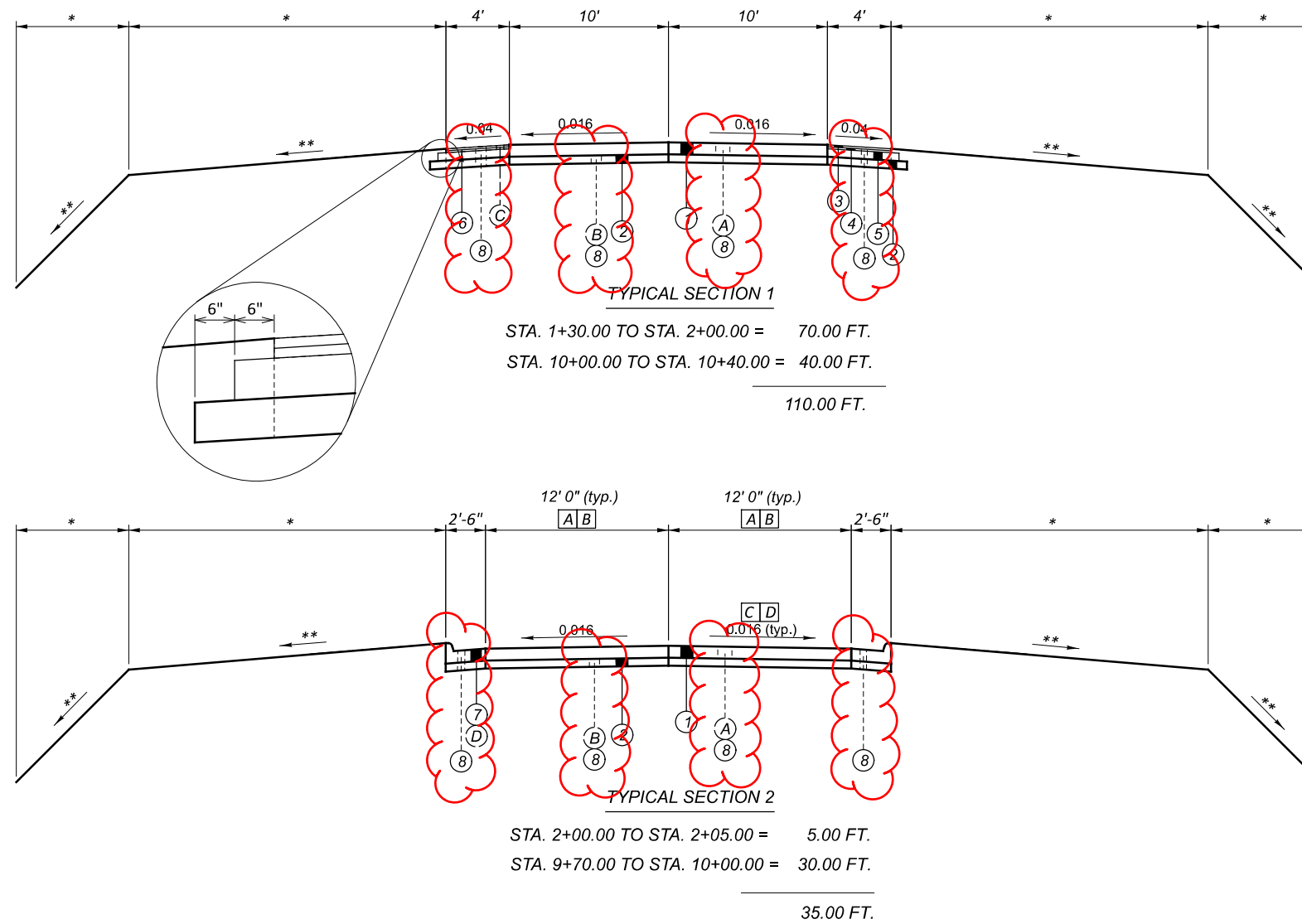


BRO-32-REST AREA

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TITLE SHEET

DESIGN AGENCY	
DESIGNER	EMB
REVIEWER	MCM
PROJECT ID	117530
SHEET	TOTAL
P.1	P.21



- A** VARIES FROM 12' 0" AT STA. 2+00.00 TO 11' 8" AT STA. 2+05.00
- B** VARIES FROM 10' 0" AT STA. 9+70.00 TO 12' 0" AT STA. 10+00.00
- C** VARIES FROM +0.008 AT STA. 9+70.00 TO -0.016 AT STA. 9+80.00
- D** VARIES FROM -0.016" AT STA. 10+30.00 TO -0.0063 AT STA. 10+40.00

EXISTING PAVEMENT LEGEND

- (A)** EXISTING 9" REINFORCED CONCRETE PAVEMENT
- (B)** EXISTING 6" SUBBASE
- (C)** EXISTING 3" BITUMINOUS AGGREGATE BASE WITH SEAL COAT
- (D)** EXISTING CONCRETE CURB AND GUTTER, TYPE 2

PROPOSED PAVEMENT LEGEND

- (1)** 451 9" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P
- (2)** 304 6" AGGREGATE BASE
- (3)** 441 1.50" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449) PG64-22
- (4)** 441 1.50" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (449)
- (5)** 301 6" ASPHALT CONCRETE BASE, PG64-22 (449)
- (6)** 407 TACK COAT @ 0.06 GAL. PER SQ. YD.
- (7)** 600 COMBINATION CURB AND GUTTER, TYPE 2, AS PER PLAN
- (8)** 203 EXCAVATION

* WIDTH VARIES, REFER TO CROSS SECTIONS
 ** SLOPE VARIES, REFER TO CROSS SECTIONS

DESIGN AGENCY



DESIGNER	EMB
REVIEWER	MCM
PROJECT ID	117530
SHEET	TOTAL
P.3	P.21


BRO-32-REST AREA

MODEL: Sheet PAPER: 17x11 (in.) DATE: 3/13/2024 TIME: 8:57:03 AM USER: ebseny
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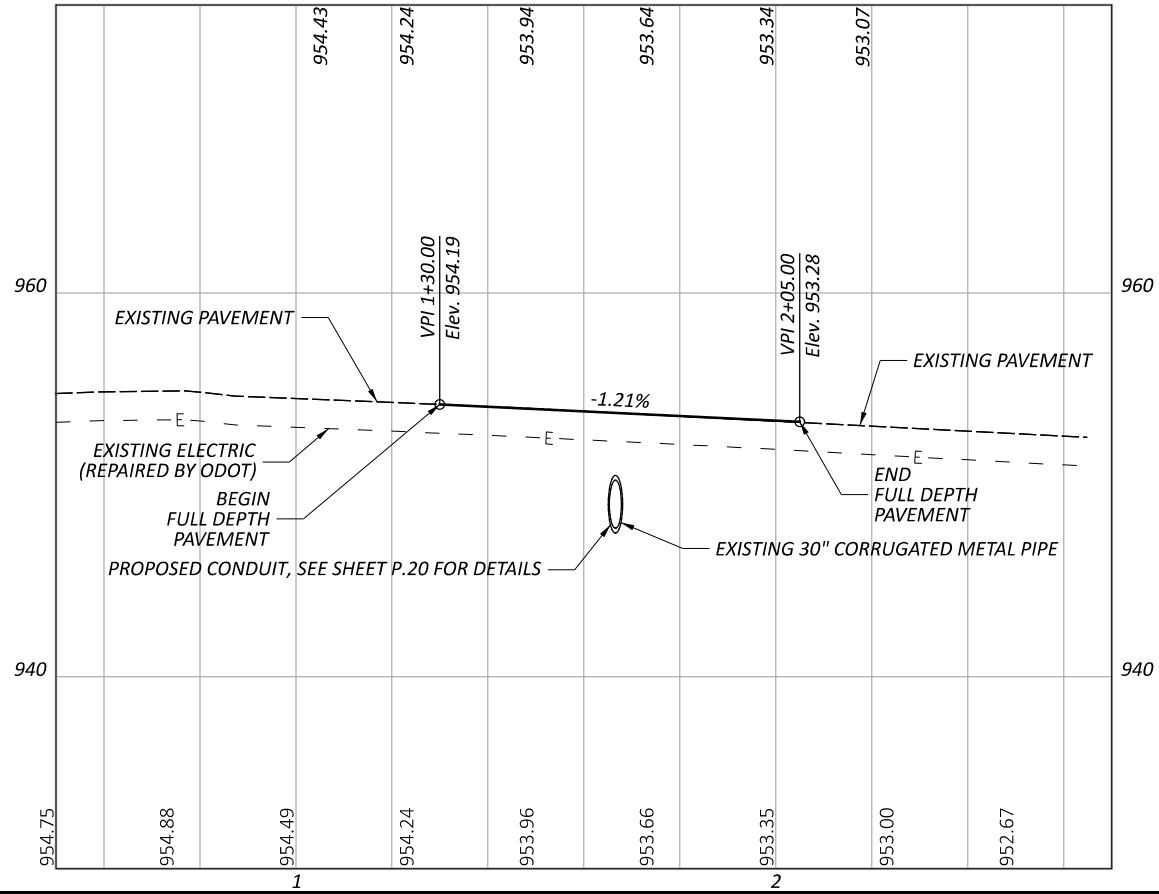
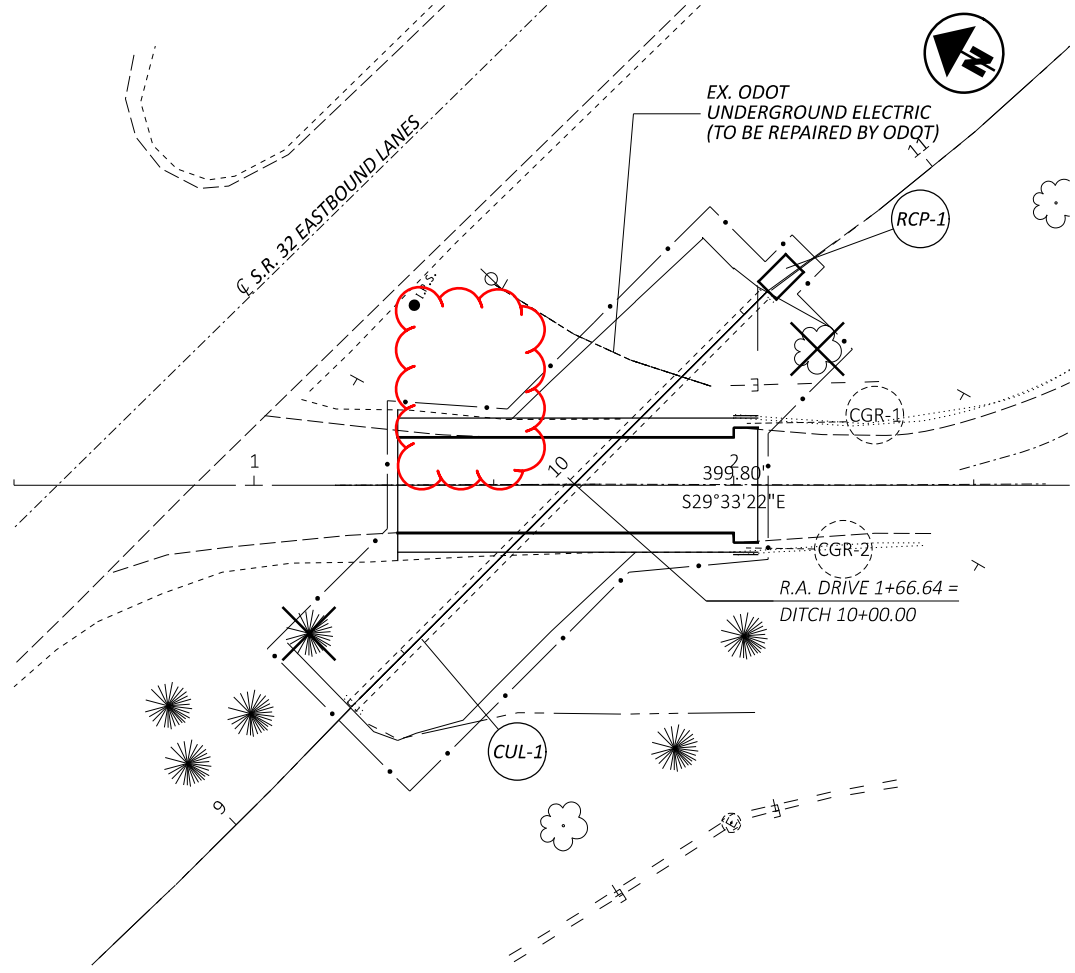
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		FROM	TO		FT	SY	FT	EA	LS	CY	CY	CY	FT	FT	EACH	FEET	EACH		
CGR-1	P9	2+00.00 LT	2+05.00 LT		5.00														
CGR-2	P9	2+00.00 RT	2+05.00 RT		5.00														
CUL-1	P9	1+20.46 RT	2+07.05 LT			120.00	2.00					1.52	120.00						
RCP-1	P9	2+05.15 LT	2+14.55 LT								2.50								
CGR-3	P15	9+70.00 LT	10+00.00 LT		30.00														
CGR-4	P15	9+70.00 RT	10+00.00 RT		30.00														
CUL-2	P15	9+98.95 LT	10+09.34 RT			145.00	2.00	LS				3.56	145.00						
RCP-2	P15	10+04.87 RT	10+14.86 RT							11.11									
S-1	P15	9+78.24 RT												2.00	24.00	2.00			
SPR-1	P15	10+05.00 RT	10+12.00 RT			3.56													
THIS SHEET SUB-TOTALS					0.00	70.00	3.56	265.00	4.00	LS	11.11	2.50	5.08	120.00	145.00	2.00	24.00	2.00	
SUB-TOTALS					0	70	4	265	4		12	3	6	120	145	2	24	2	
CONVERT TO MILES																			
TOTALS CARRIED TO GENERAL SUMMARY					0	70	4	265	4	LS	12	3	6	120	145	2	24	2	



ROADWAY SUBSUMMARY

DESIGN AGENCY	
DESIGNER	EMB
REVIEWER	MCM
PROJECT ID	117530
SHEET TOTAL	P.7 P.21

LEGEND
 CGR = EX. CURB AND GUTTER REMOVED
 CUL = PR. CULVERT
 RCP = PR. ROCK CHANNEL PROTECTION
 S = PR. SIGN
 SPR = EX. SLOPE PROTECTION REMOVED



PLAN AND PROFILE
 BRO-32-10.32

DESIGN AGENCY



DESIGNER
EMB

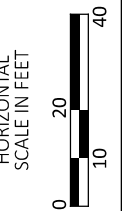
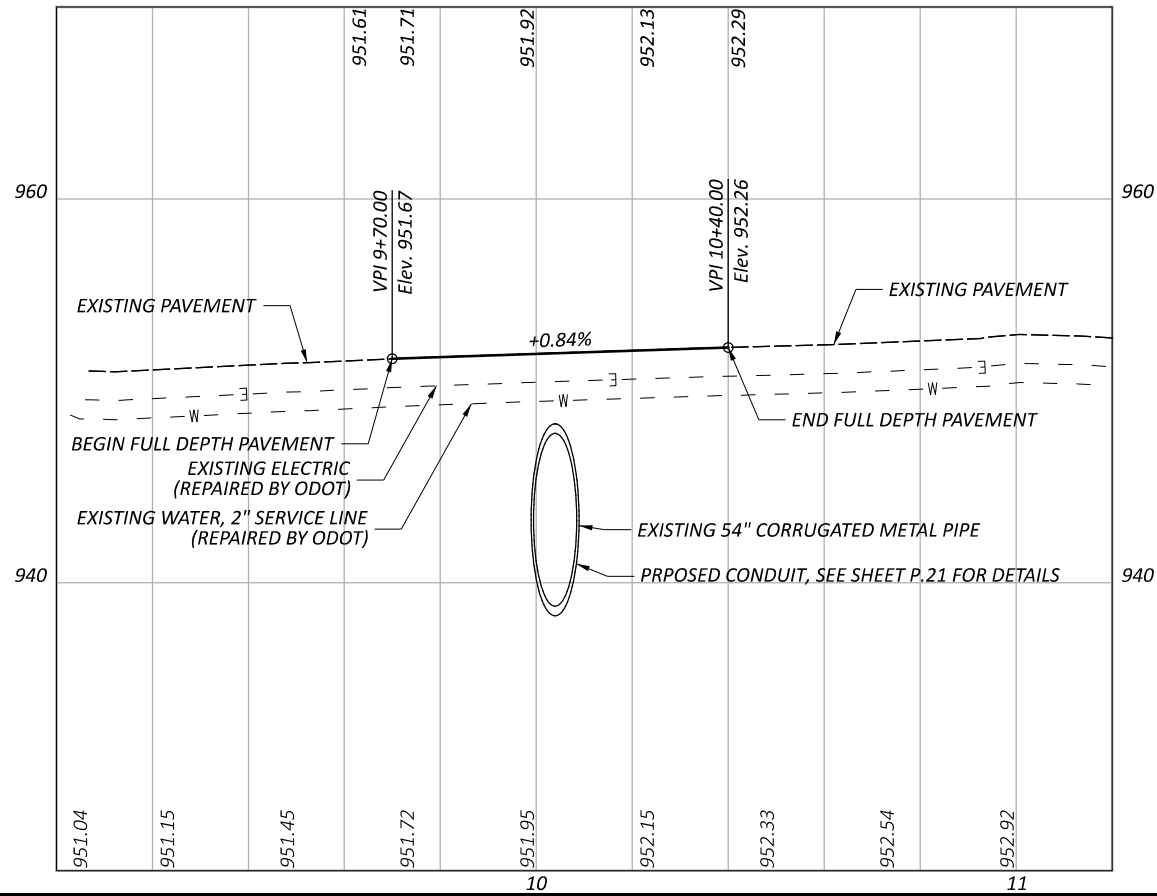
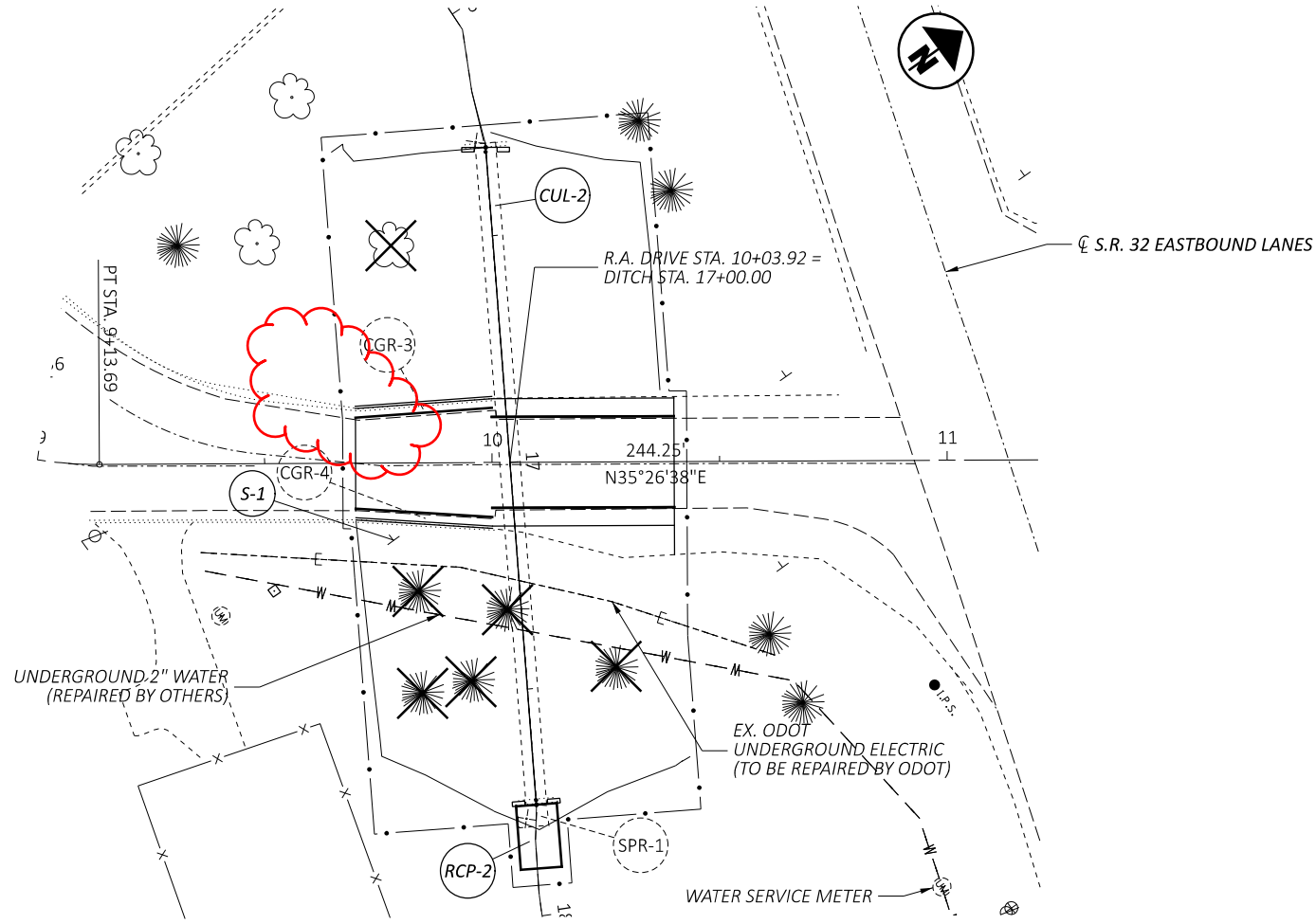
REVIEWER
 MCM

PROJECT ID
117530

SHEET TOTAL
 P.9 P.21

LEGEND

- CGR = EX. CURB AND GUTTER REMOVED
- CUL = PR. CULVERT
- RCP = PR. ROCK CHANNEL PROTECTION
- S = PR. SIGN
- SPR = EX. SLOPE PROTECTION REMOVED



PLAN AND PROFILE
 BRO-32-10.47

DESIGN AGENCY



DESIGNER
EMB

REVIEWER

MCM

PROJECT ID
117530

SHEET TOTAL
 P.15 | P.21