

09_05/2019

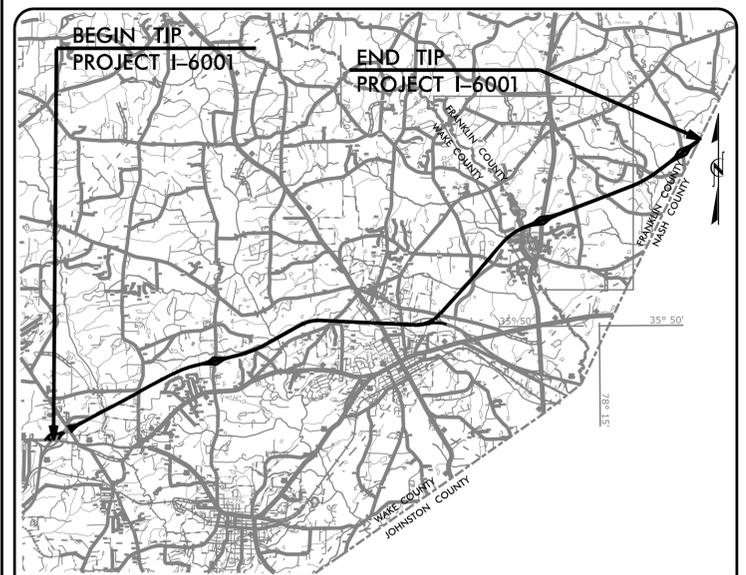
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-6001	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
47956.1.1		PE	
47956.3.1	4795603	CONST.	

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

WAKE /FRANKLIN COUNTY

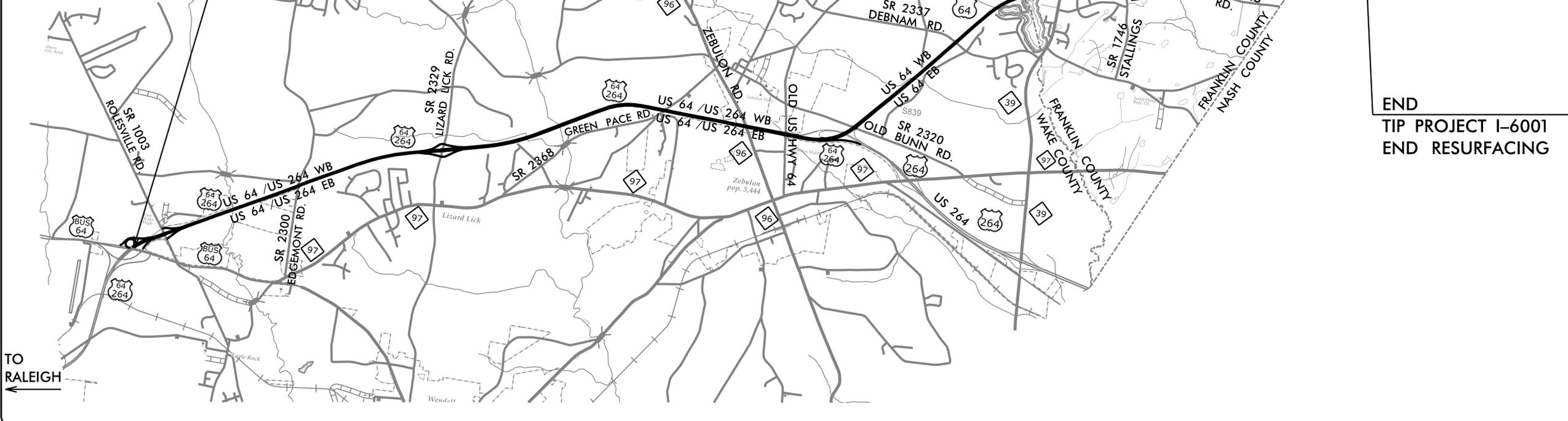
LOCATION: I-6001 - I-87 /FUTURE I-87/US-64/US-264 FROM US 64 /264 BRIDGES OVER BUS 264 TO THE NASH COUNTY LINE.

TYPE OF WORK: PAVEMENT REHABILITATION



VICINITY MAP

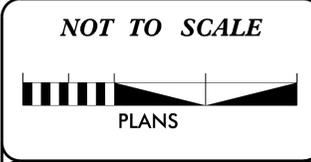
BEGIN TIP PROJECT I-6001
BEGIN RESURFACING



END TIP PROJECT I-6001
END RESURFACING

TIP PROJECT: I-6001

CONTRACT: C205088



DESIGN DATA

2023 AADT = 76,500
T = 7.7%
FUNC CLASS = INTERSTATE

PROJECT LENGTH

LENGTH OF ROADWAY TIP PROJECT I-6001	=	13.384 MILES
LENGTH STRUCTURES TIP PROJECT I-6001	=	0.000 MILES
TOTAL LENGTH TIP PROJECT I-6001	=	13.384 MILES

Prepared in the Office of:
WETHERILL ENGINEERING
1223 Jones Franklin Rd. Raleigh, N.C. 27606
License No. F-0377
Bus: 919.851.8077 Fax: 919.851.8107

2024 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
N/A

LETTING DATE:
APRIL 21, 2026

Prepared for:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr.
Raleigh NC, 27610

CALEB WHITBY, PE
DIVISION PROJECT DELIVERY ENGINEER

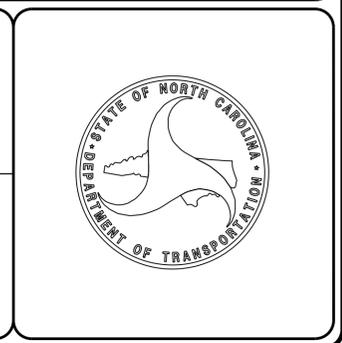
R.K. MURPHY, JR., PE
PROJECT ENGINEER

SCOTT L. KENNEDY
PROJECT DESIGN ENGINEER

3/23/2026

ROADWAY DESIGN ENGINEER

SIGNATURE: *R.K. Murphy, Jr.* P.E.



B.17/7/99

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



GENERAL NOTES

GENERAL NOTES: 2024 SPECIFICATIONS
EFFECTIVE: 01-16-2024
REVISED:

GRADING AND SURFACING OR RESURFACING AND WIDENING:
THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES ARE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

CLEARING:
CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD 11.

SAFETY CLEARING:
THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE AREAS IN THE PLANS DESIGNATED SAFETY CLEARING. THE LIMITS ARE AS SHOWN AND THE CLEARING AND GRUBBING IS CONSIDERED A PART OF THE LUMP SUM ITEM FOR "CLEARING AND GRUBBING".

GUARDRAIL:
THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

TEMPORARY SHORING:
SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC WILL BE PAID FOR AS "EXTRA WORK" IN ACCORDANCE WITH SECTION 104-7.

2024 ROADWAY ENGLISH STANDARD DRAWINGS

EFF. 08-11-2025
REV.

2024 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Contracts Standards and Development Unit - N. C. Department of Transportation - Raleigh, N. C., Dated January 16, 2024 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 2 - EARTHWORK	
200.02	Method of Clearing - Method II
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation (Use Details in Lieu of Standards for Sheets 1 and 2 of 2)
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
665.01	Asphalt Shoulders - Milled Rumble Strips
DIVISION 8 - INCIDENTALS	
840.00	Concrete Base Pad for Drainage Structures
840.31	Concrete Junction Box - 12" thru 66" Pipe
840.32	Brick Junction Box - 12" thru 66" Pipe
840.45	Precast Drainage Structure
840.54	Manhole Frame and Cover
840.66	Drainage Structure Steps
840.72	Pipe Collar
862.01	Guardrail Placement (Use Details in Lieu of Standards for Sheets 4, 6, 12, and 14 of 15)
862.02	Guardrail Installation (Use Detail in Lieu of Standard for Sheet 5 of 9)
862.03	Structure Anchor Units (Use Detail in Lieu of Standards for Sheet 6 and 8 of 9)
862.04	Anchoring End of Guardrail - for B-77 and B-83 Anchor Units
876.02	Guide for Rip Rap at Pipe Outlets

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
2 - 53	RESURFACING MAPS
54 - 57	DRAINAGE PLANS AND DETAIL
58 - 67	TYPICAL SECTIONS AND DETAILS
68 - 82	SUMMARY OF QUANTITIES
83 - 88	SPECIAL DETAILS
EC-1 - EC-9	EROSION CONTROL PLANS
SIGN-1 - SIGN-15	SIGNING PLANS
SIG-1	SIGNAL LOOP DETAIL

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REVISIONS



BUS 64 WB
BUS 64 EB

**BEGIN
TIP PROJECT I-6001
BEGIN RESURFACING**

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**BRIDGE
NO. 990**



US 64 /264 WB

US 64 /264 EB
**BRIDGE
NO. 991**

- 1. US 64 /264 EB & WB
- 21. US 64 /264 WB RAMP
- 22. BUS 64 WB LOOP

I-6001
US 64 /264 RESURFACING



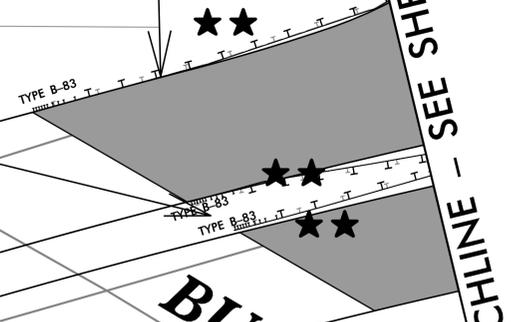
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1000

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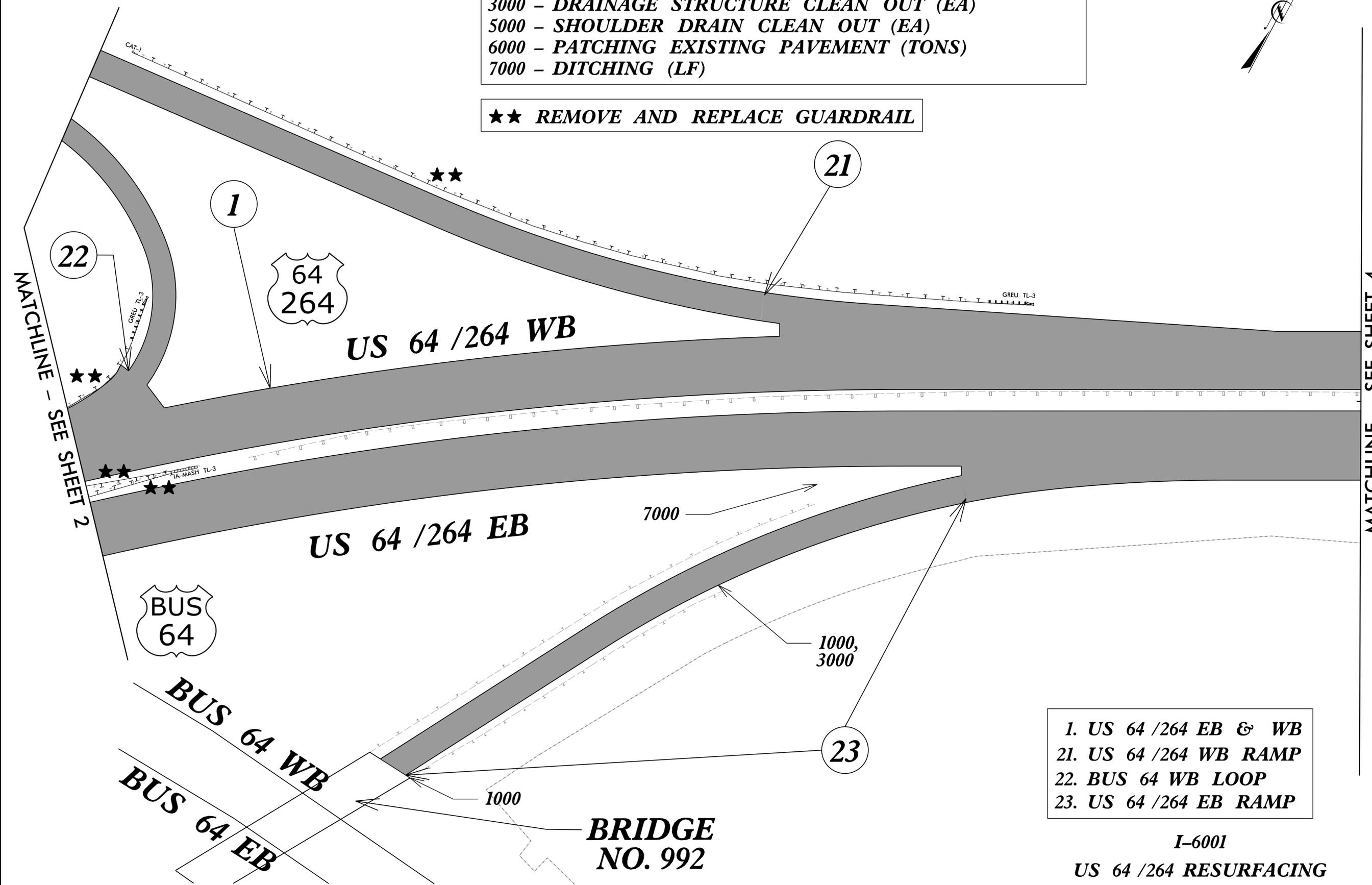




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- 1. US 64 /264 EB & WB
- 21. US 64 /264 WB RAMP
- 22. BUS 64 WB LOOP
- 23. US 64 /264 EB RAMP

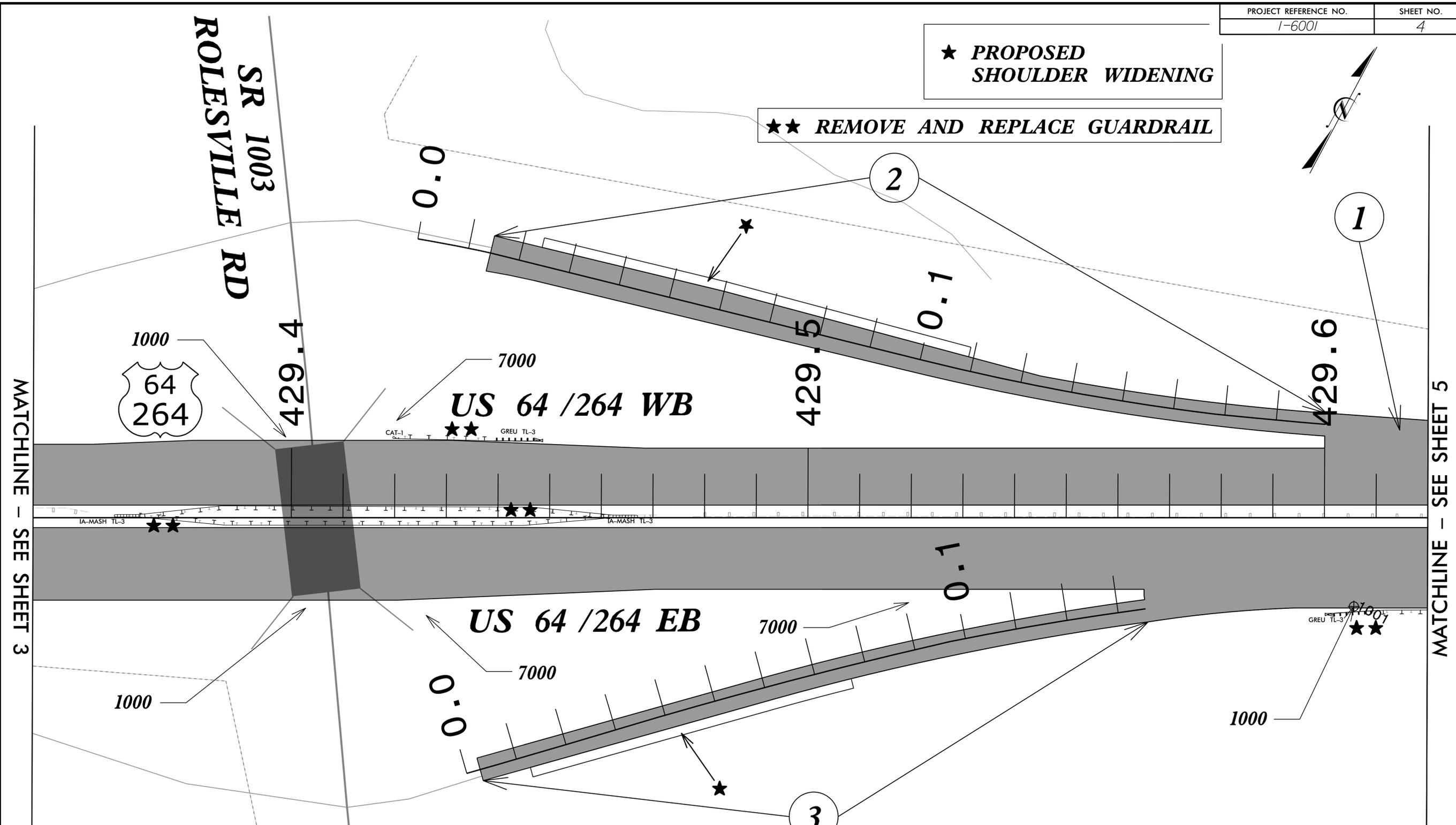
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US 64 /264 RESURFACING

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★ PROPOSED
SHOULDER WIDENING

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- 2. US 64 / 264 WB RAMP
- 3. US 64 / 264 EB RAMP

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**SR 5446
KIOTI DR**



429.7

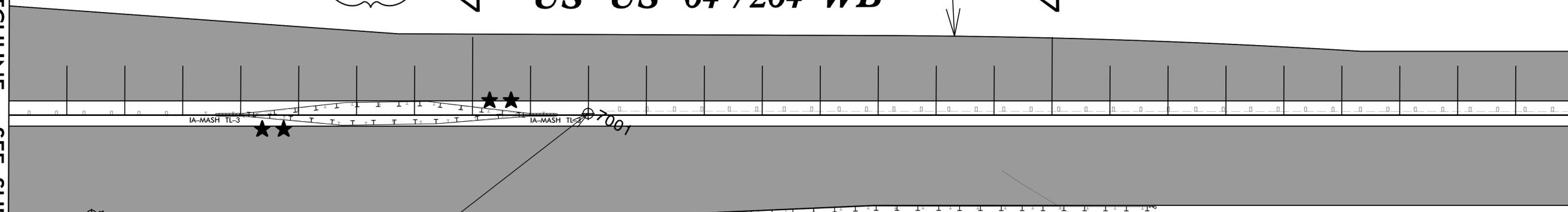
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429.8

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MATCHLINE - SEE SHEET 6



US 64 /264 EB

7000

1000

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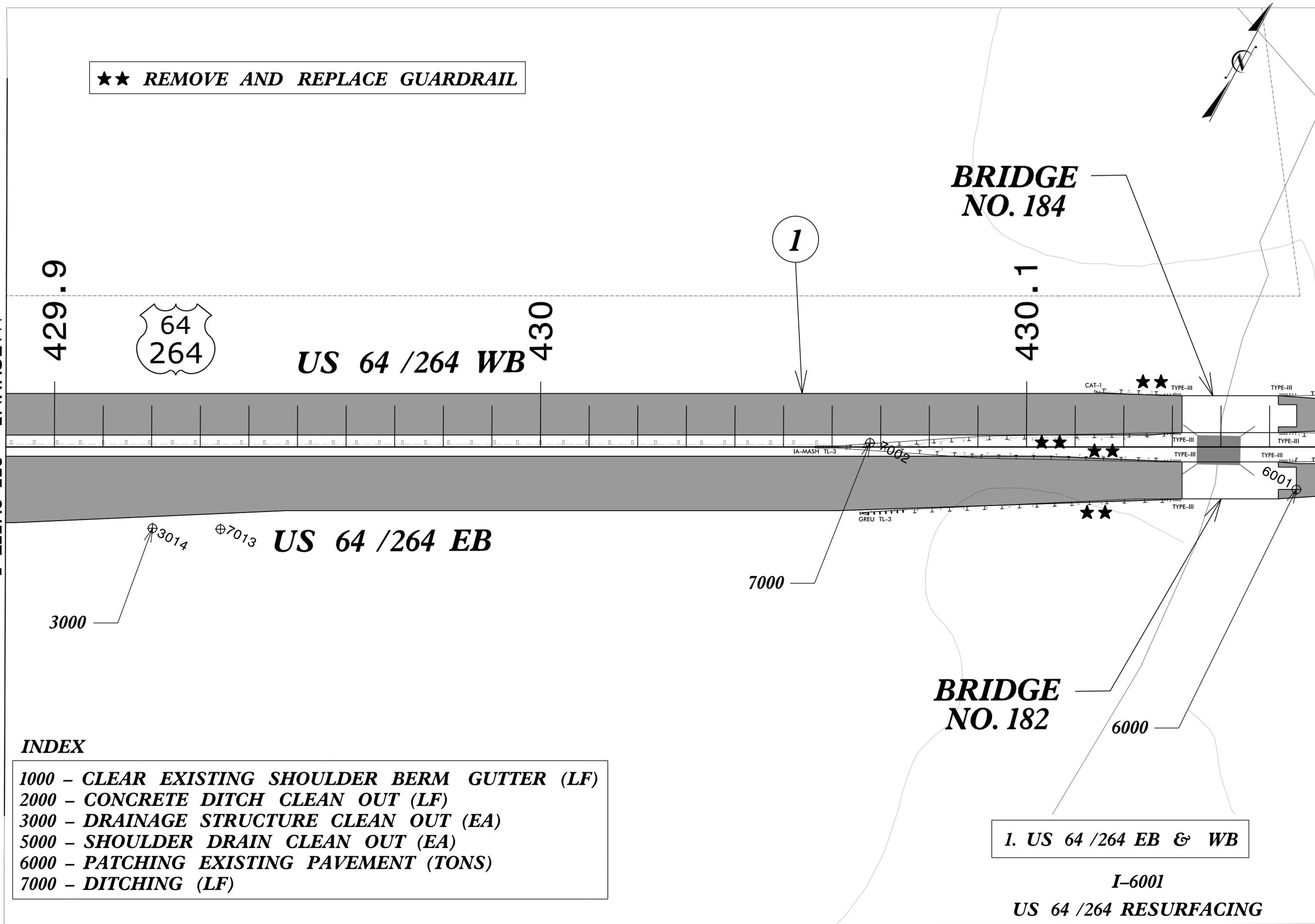
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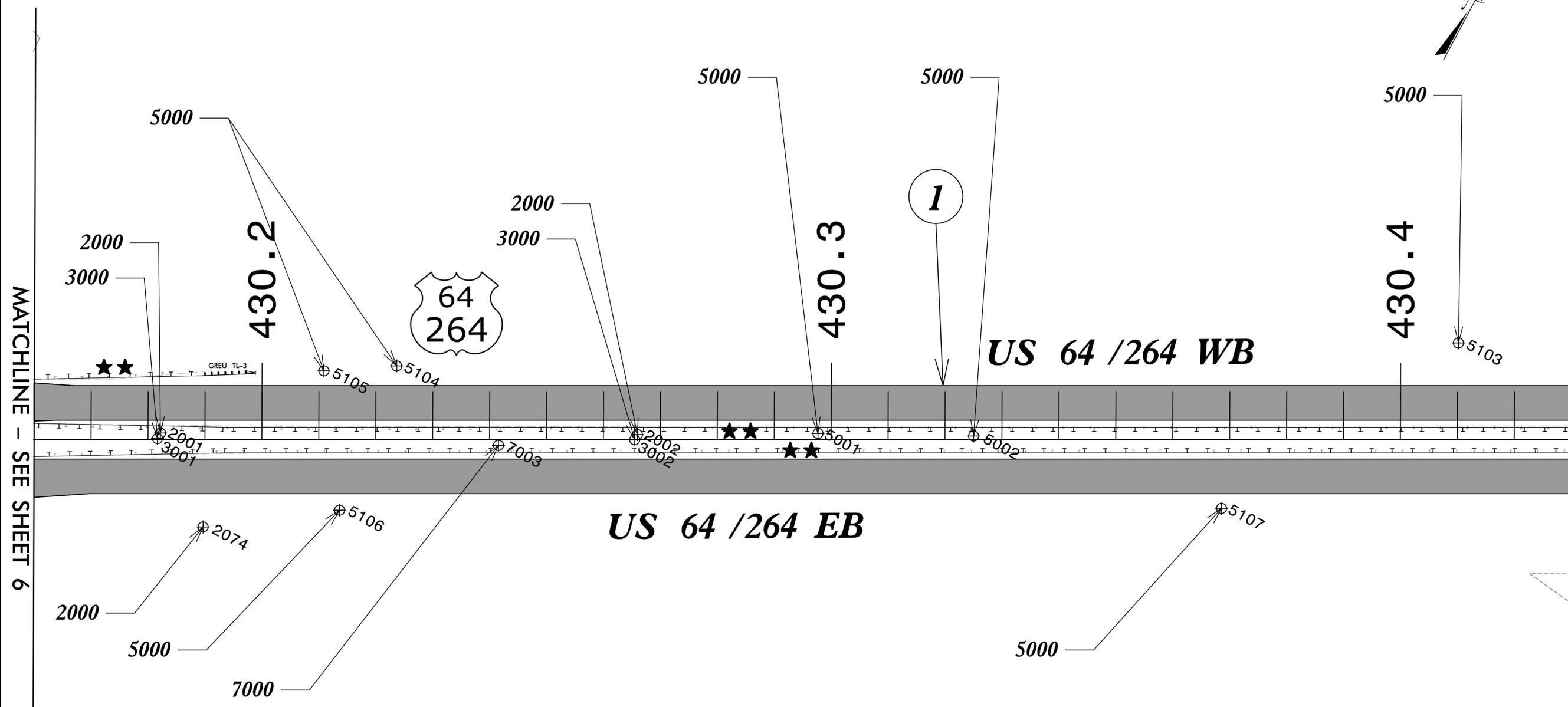
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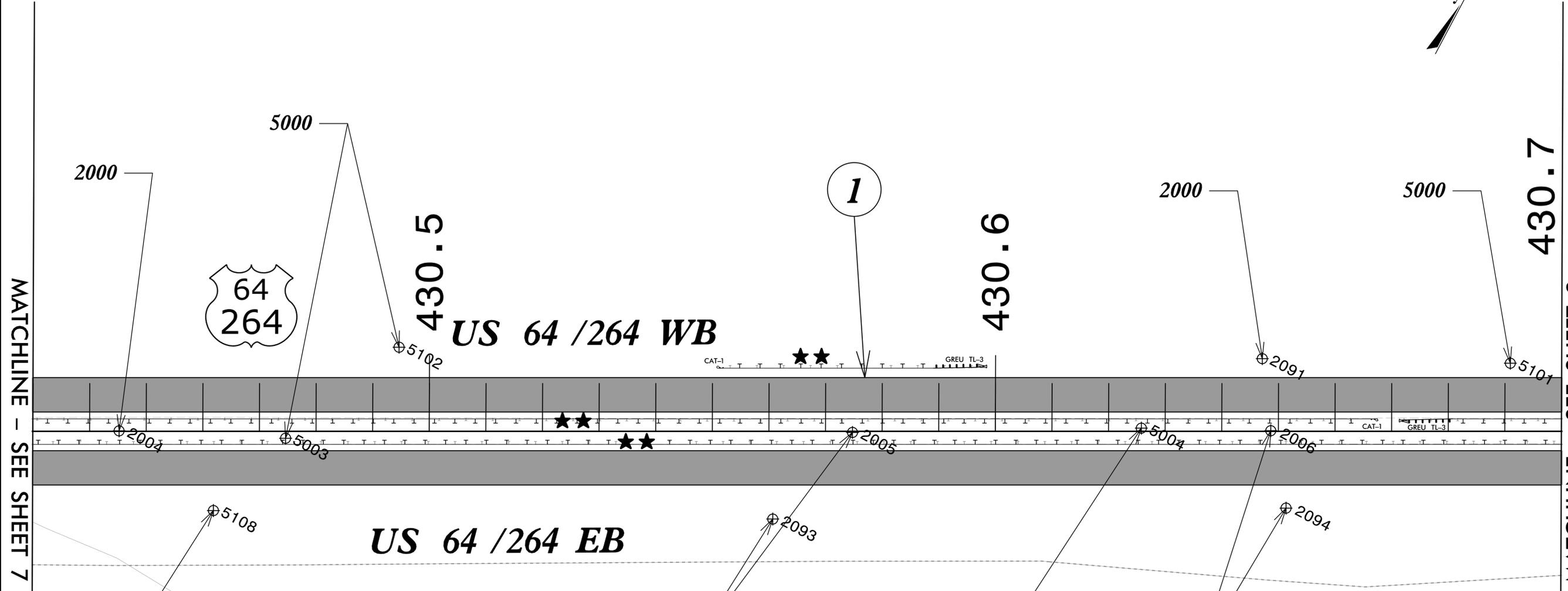
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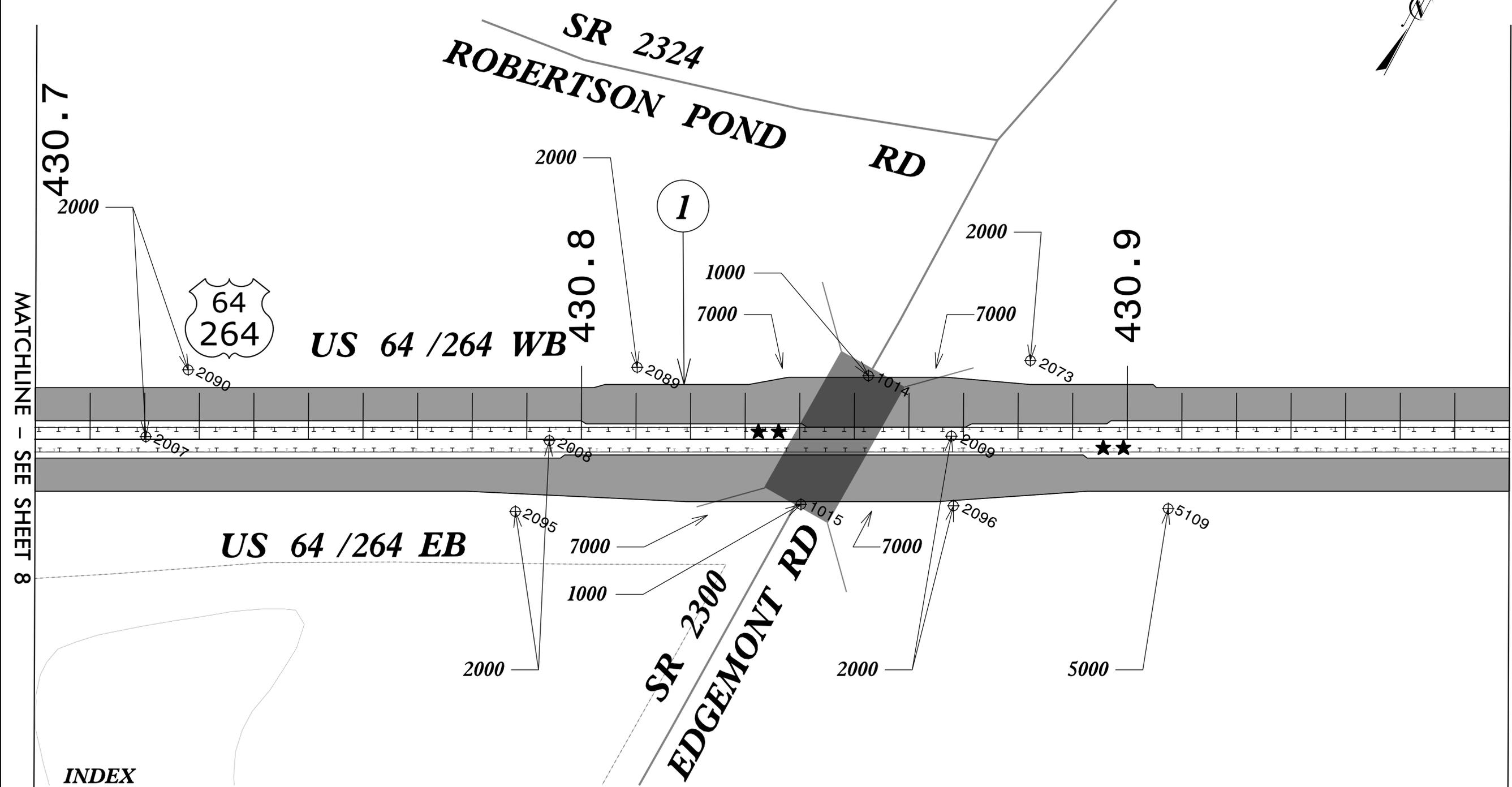
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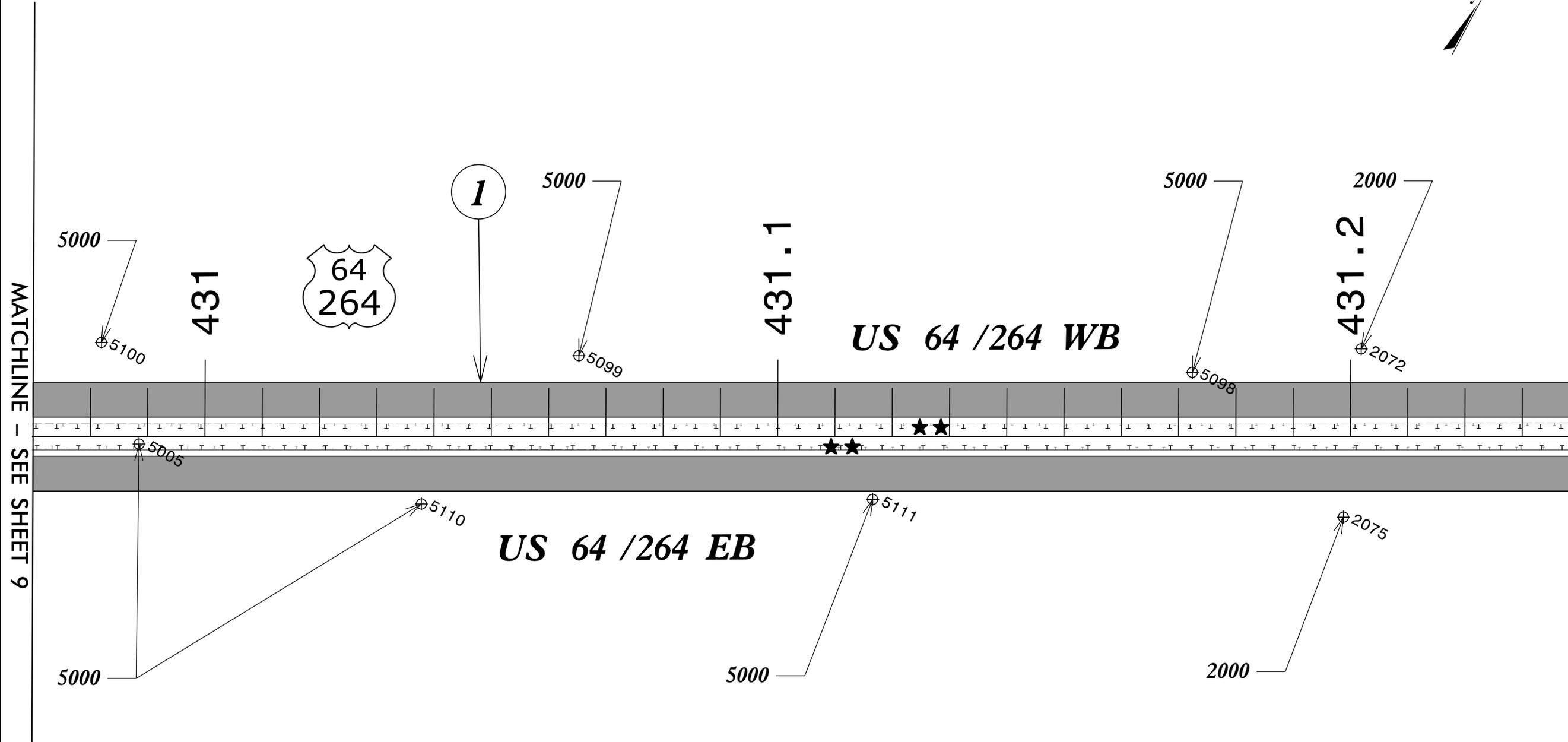
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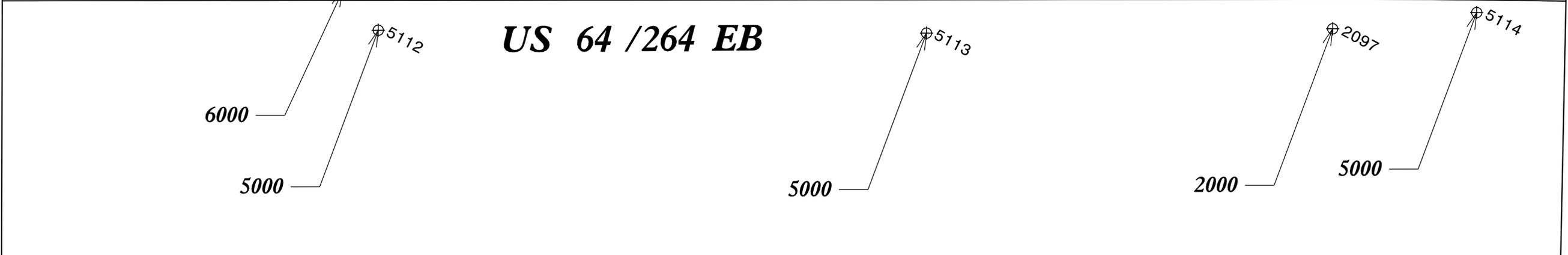
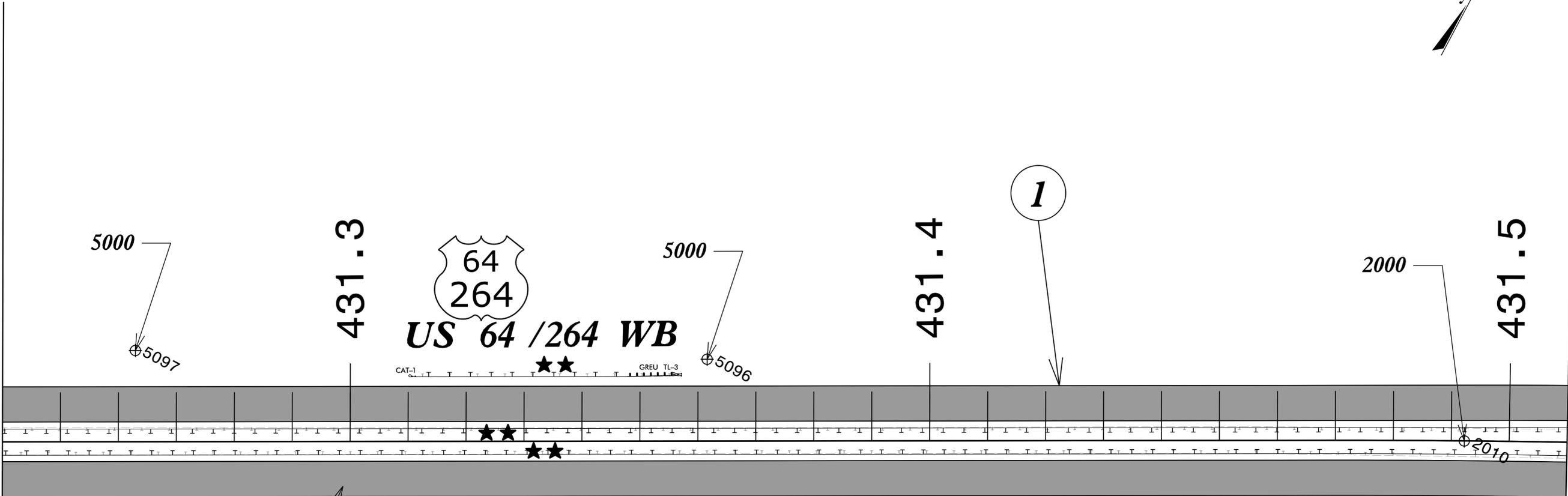
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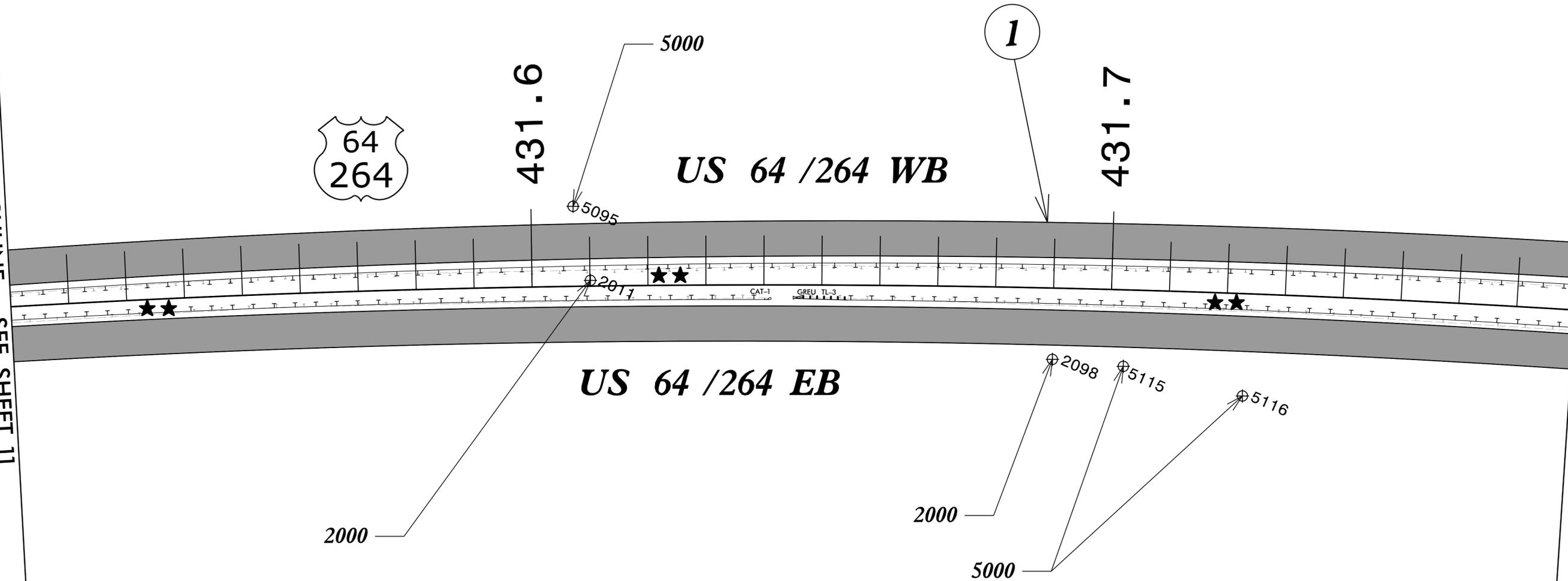
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US 64 /264 WB

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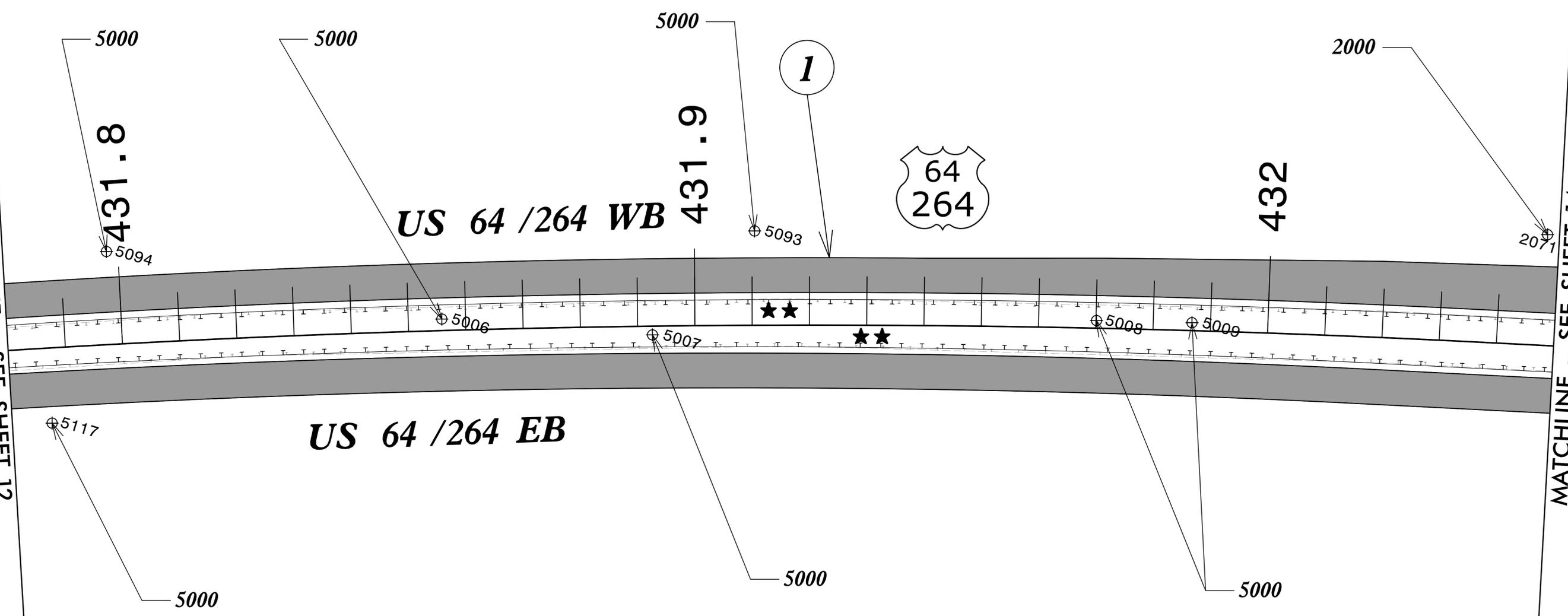


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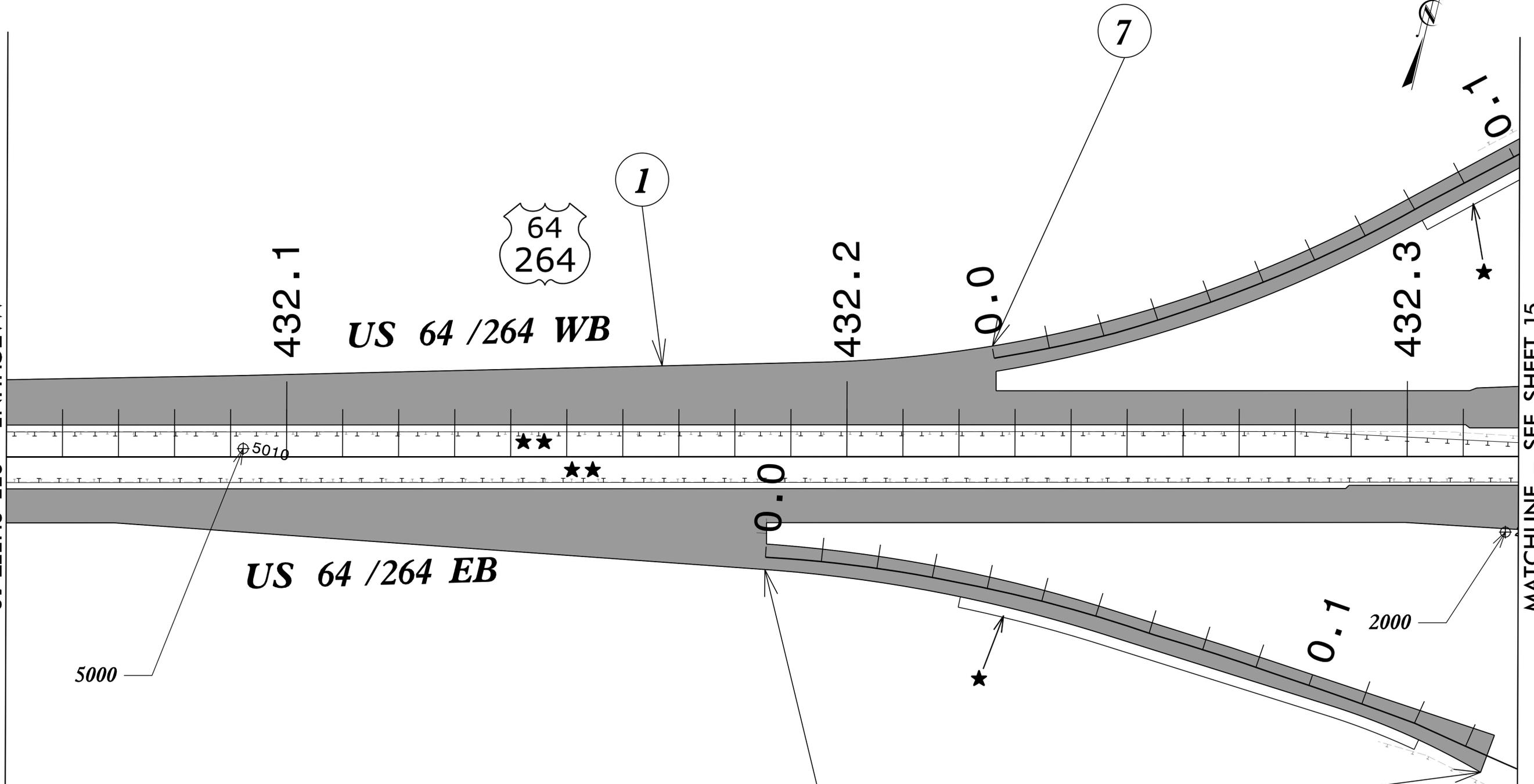
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432.1
US 64 /264 WB

US 64 /264 EB

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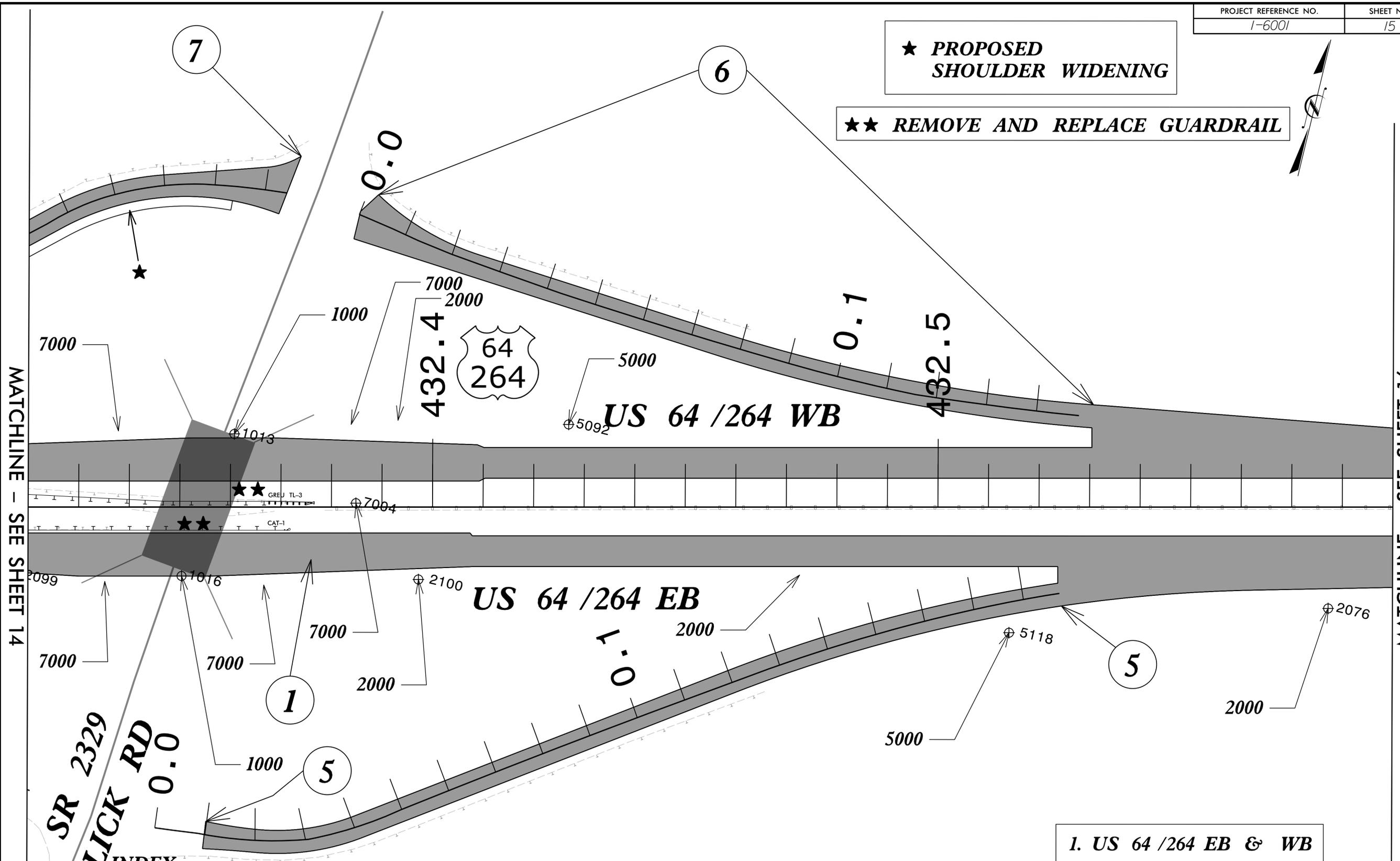
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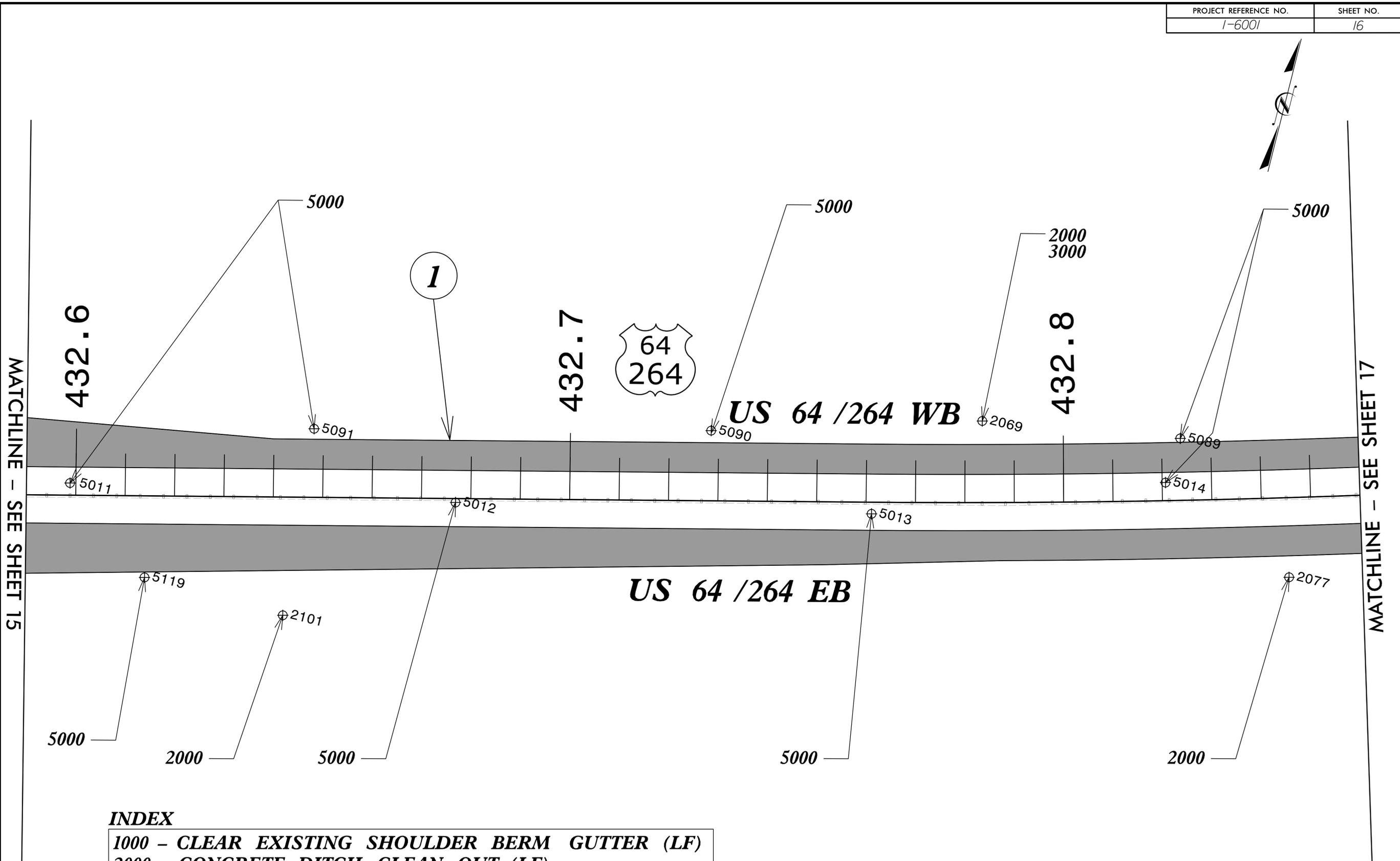
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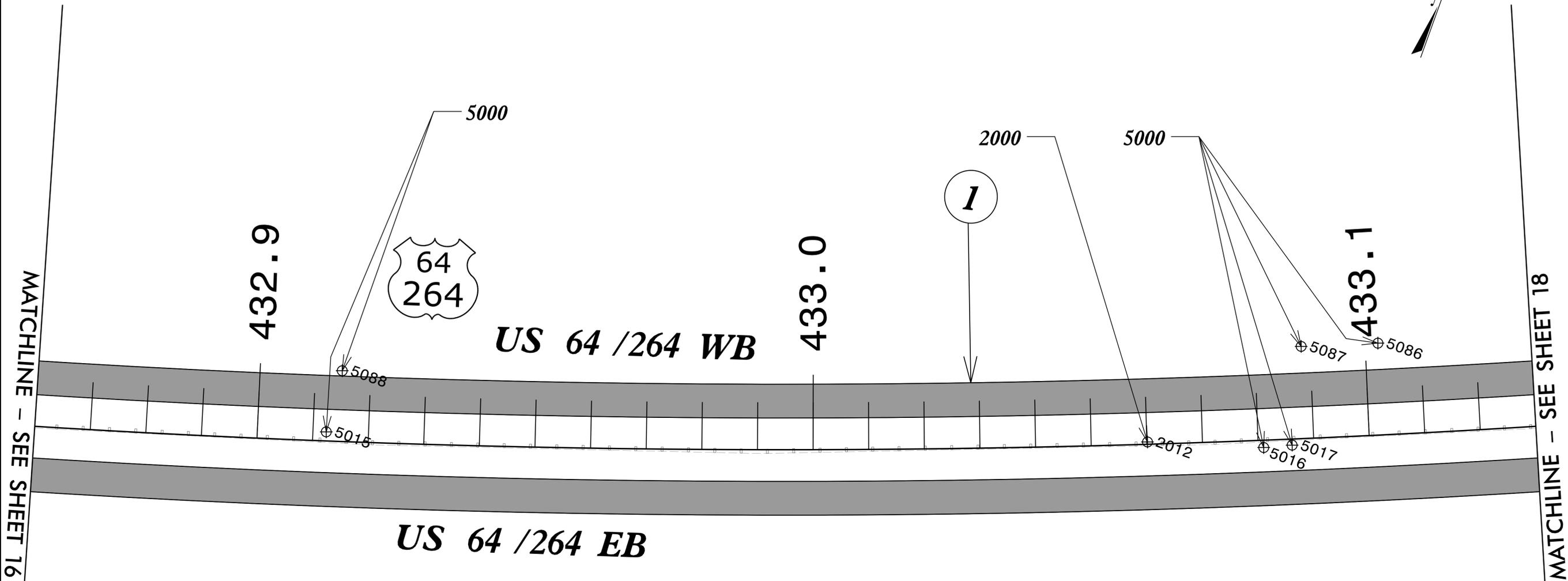
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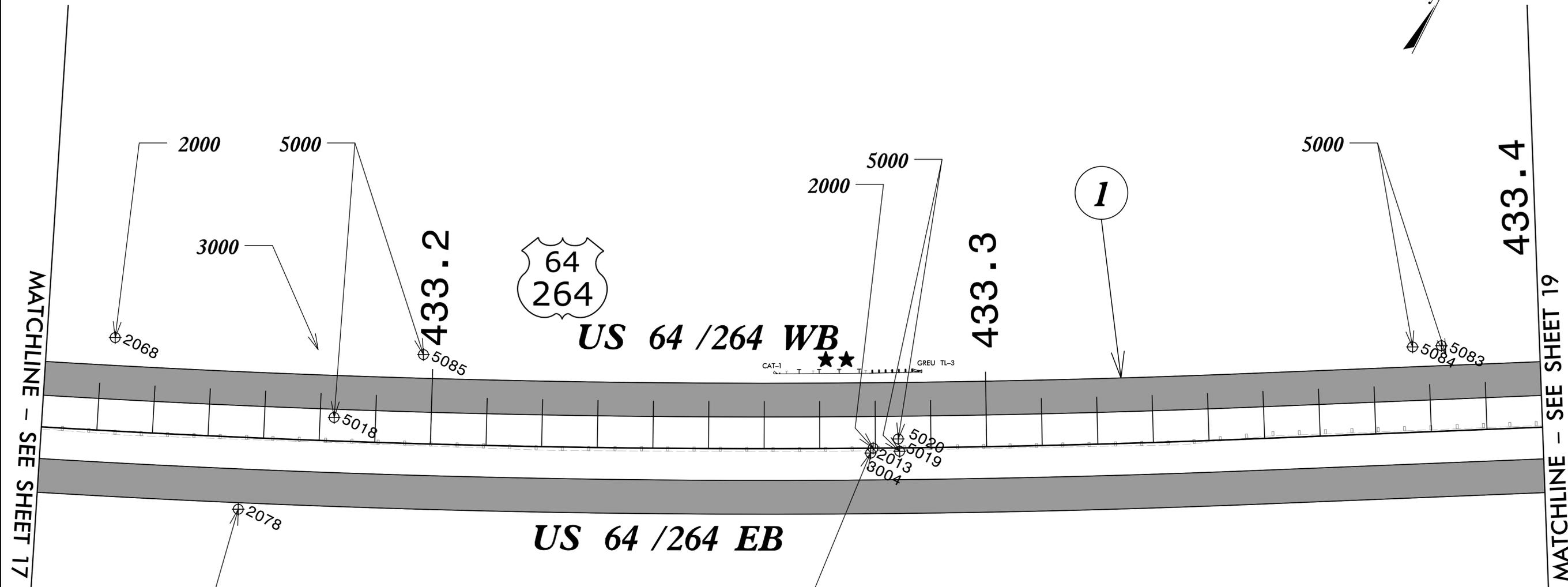
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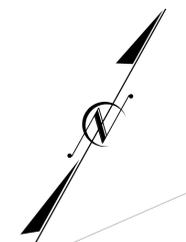
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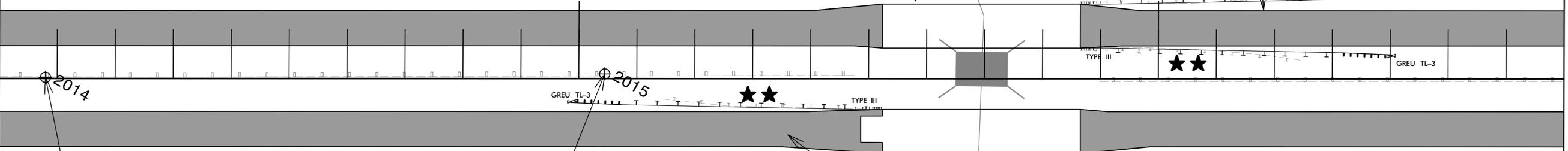
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**BRIDGE
NO. 199**

US 64 / 264 WB

433.6

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US 64 / 264 EB

**BRIDGE
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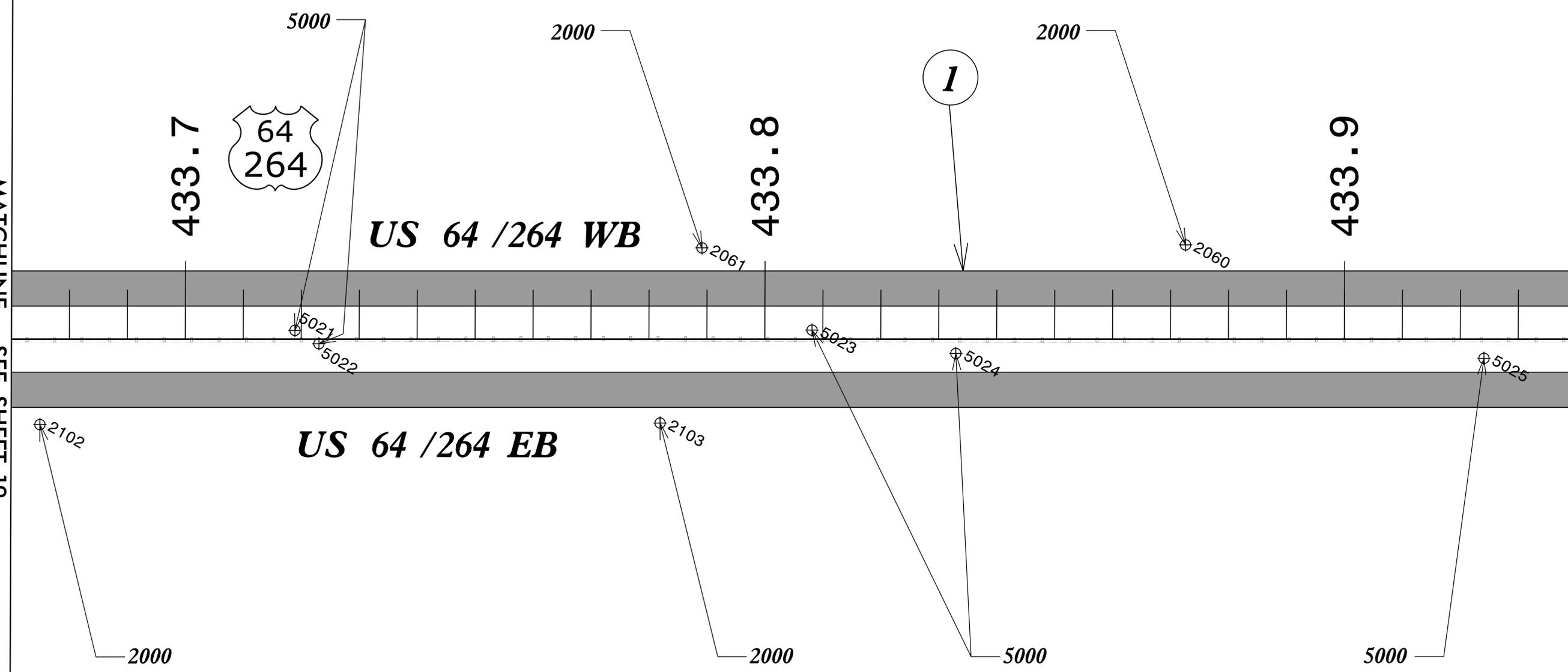


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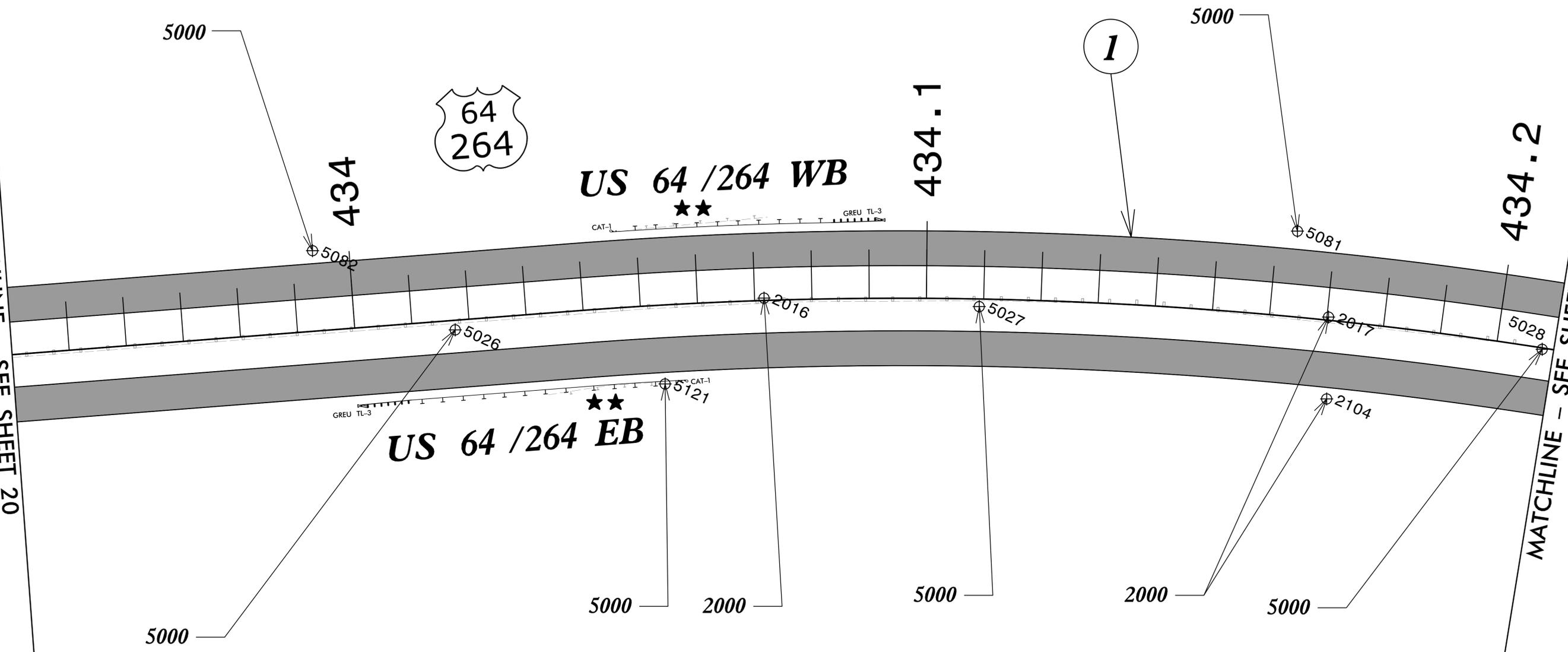


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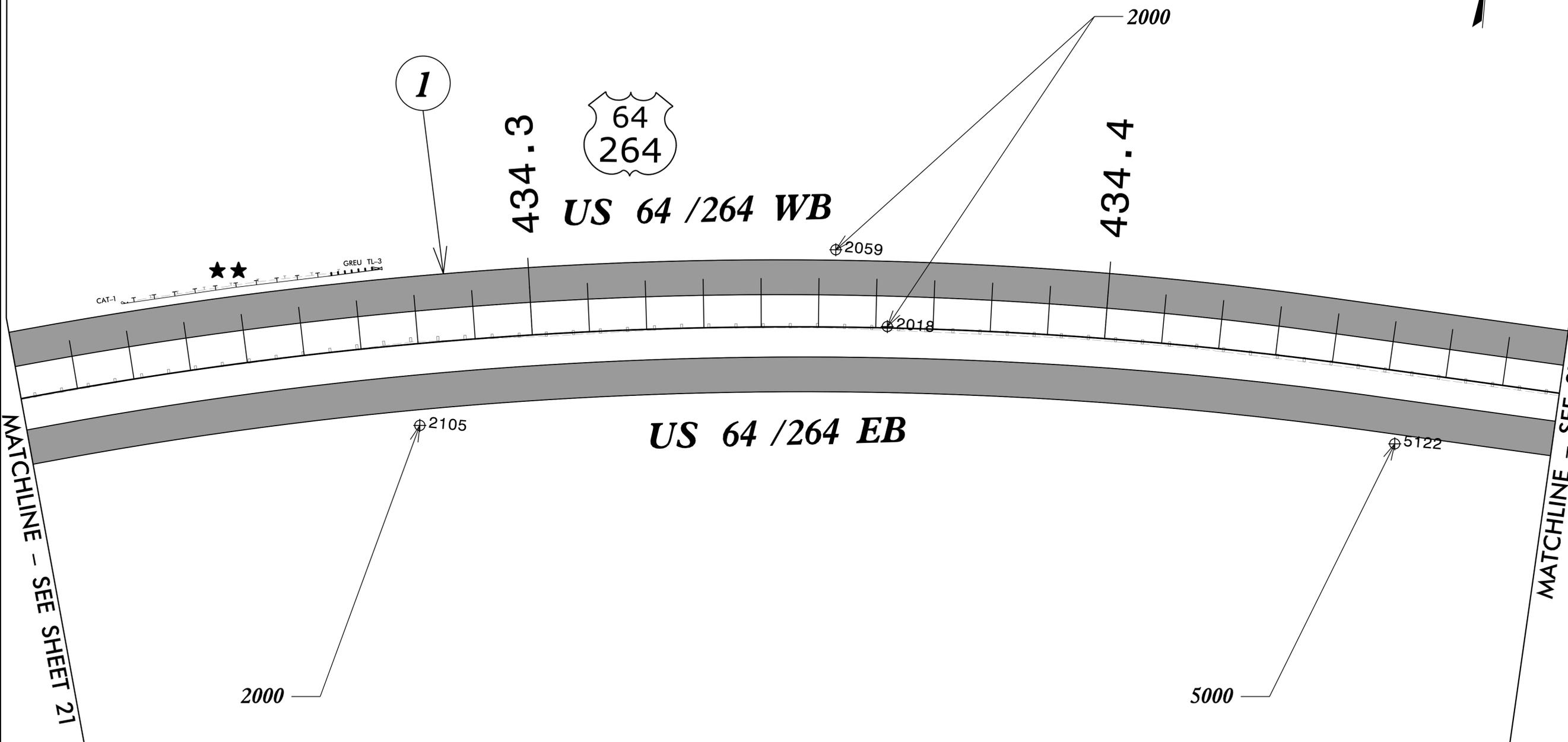
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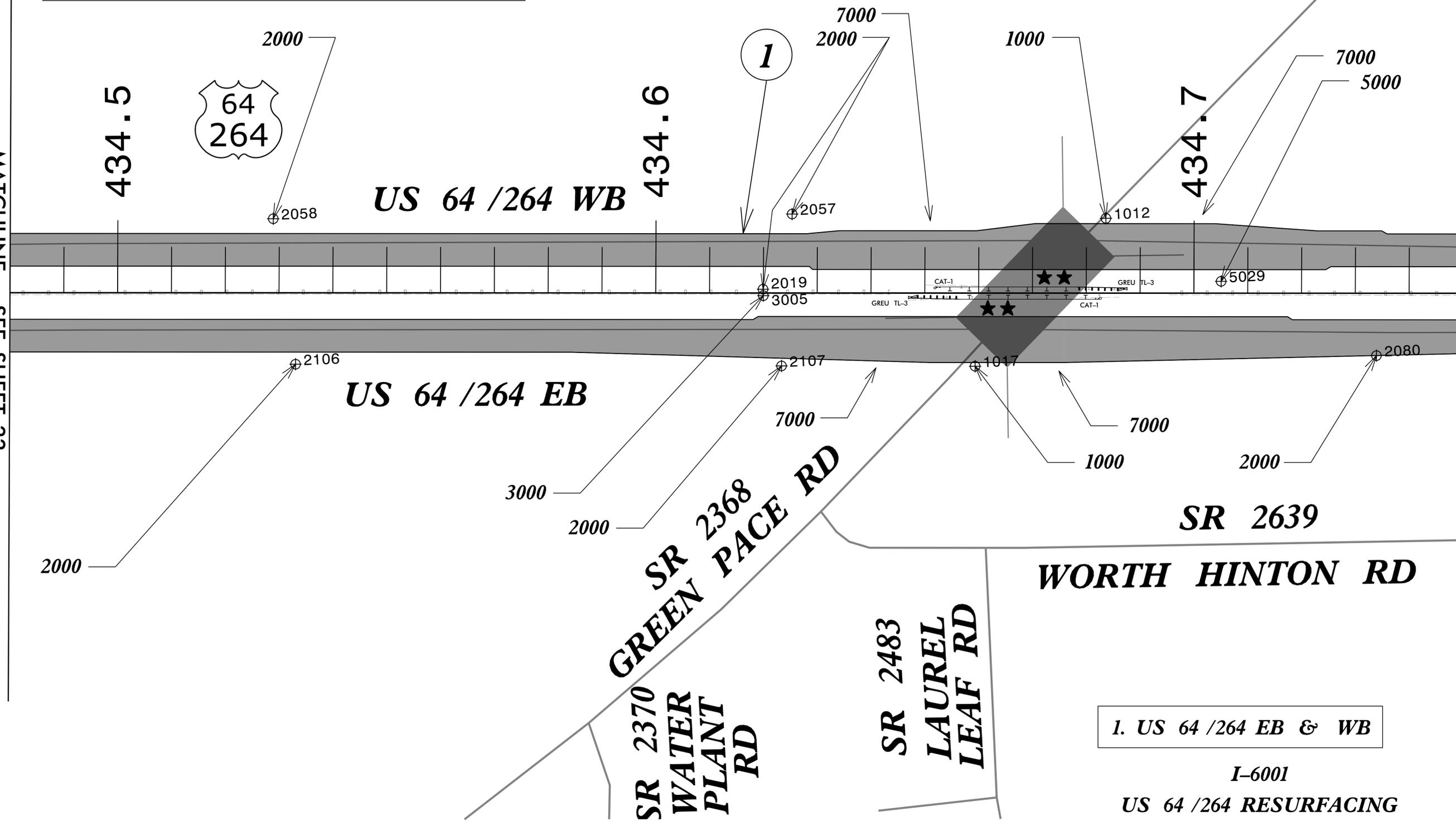
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- 5000 - SHOULDER DRAIN CLEAN OUT (EA)
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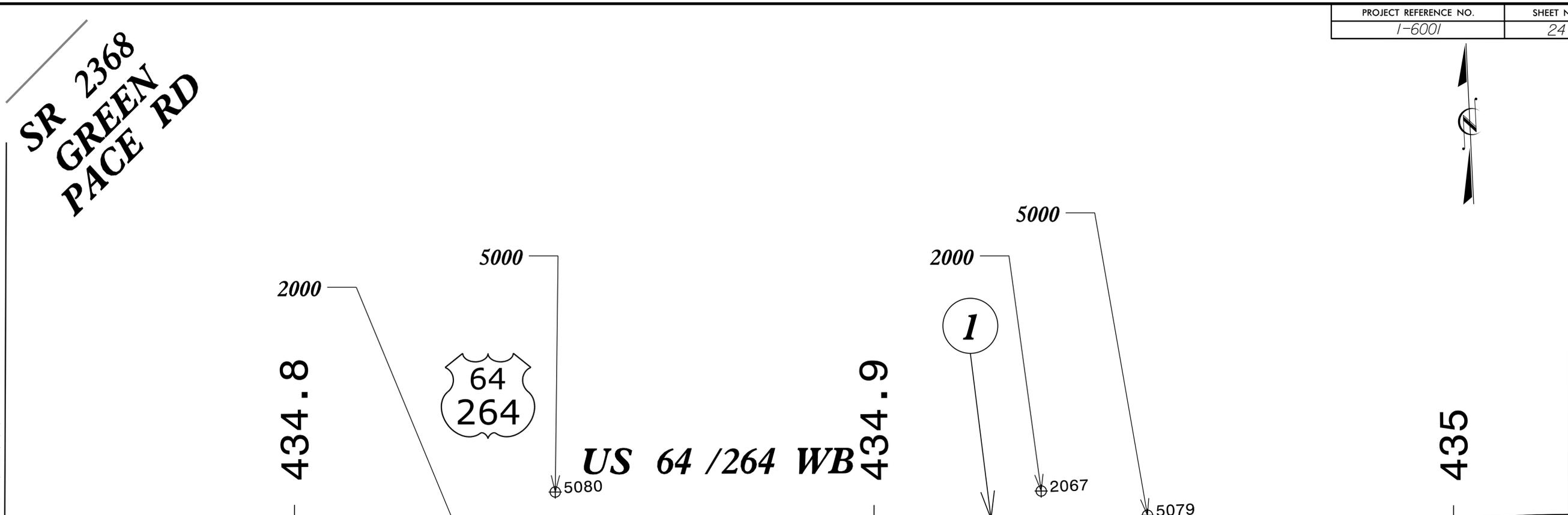
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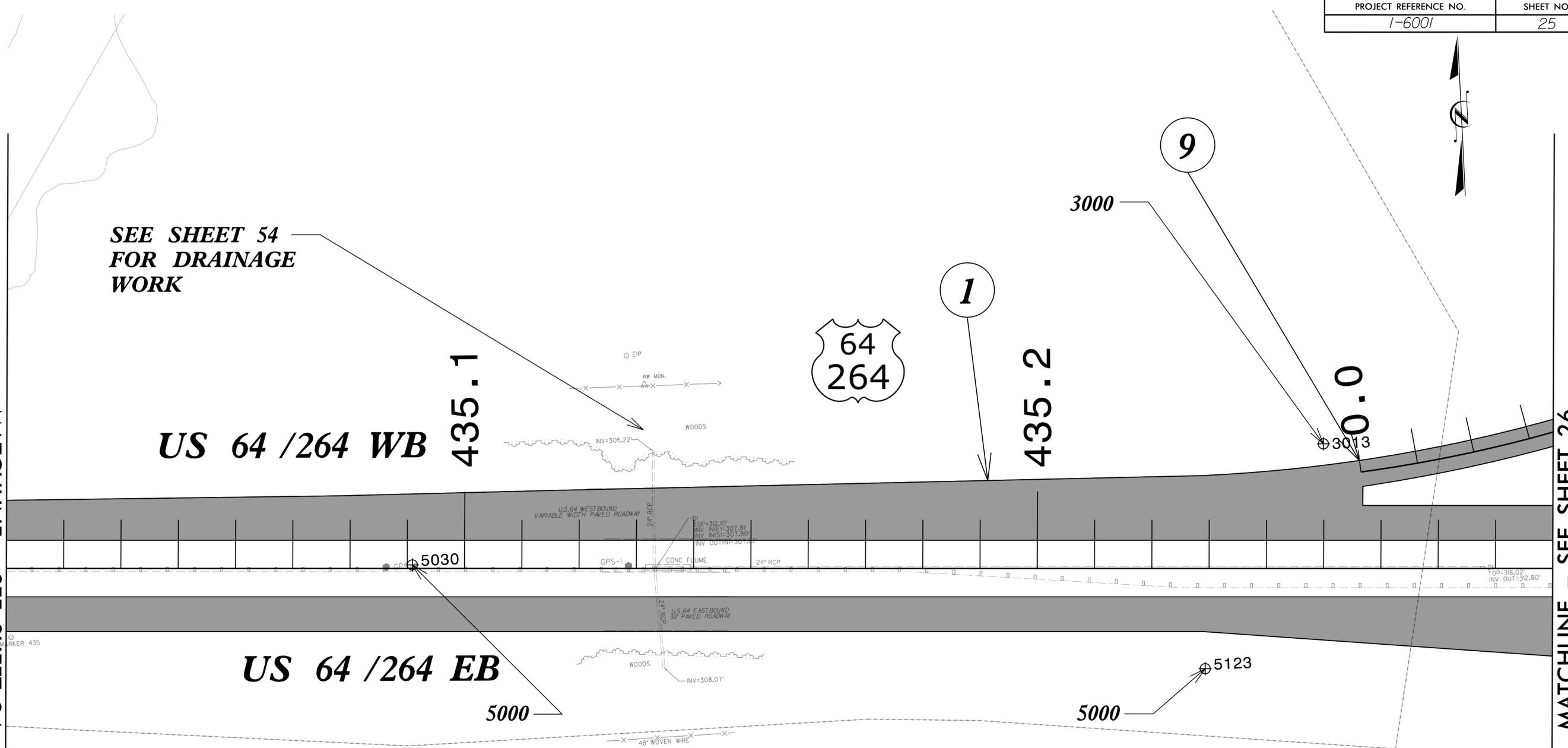
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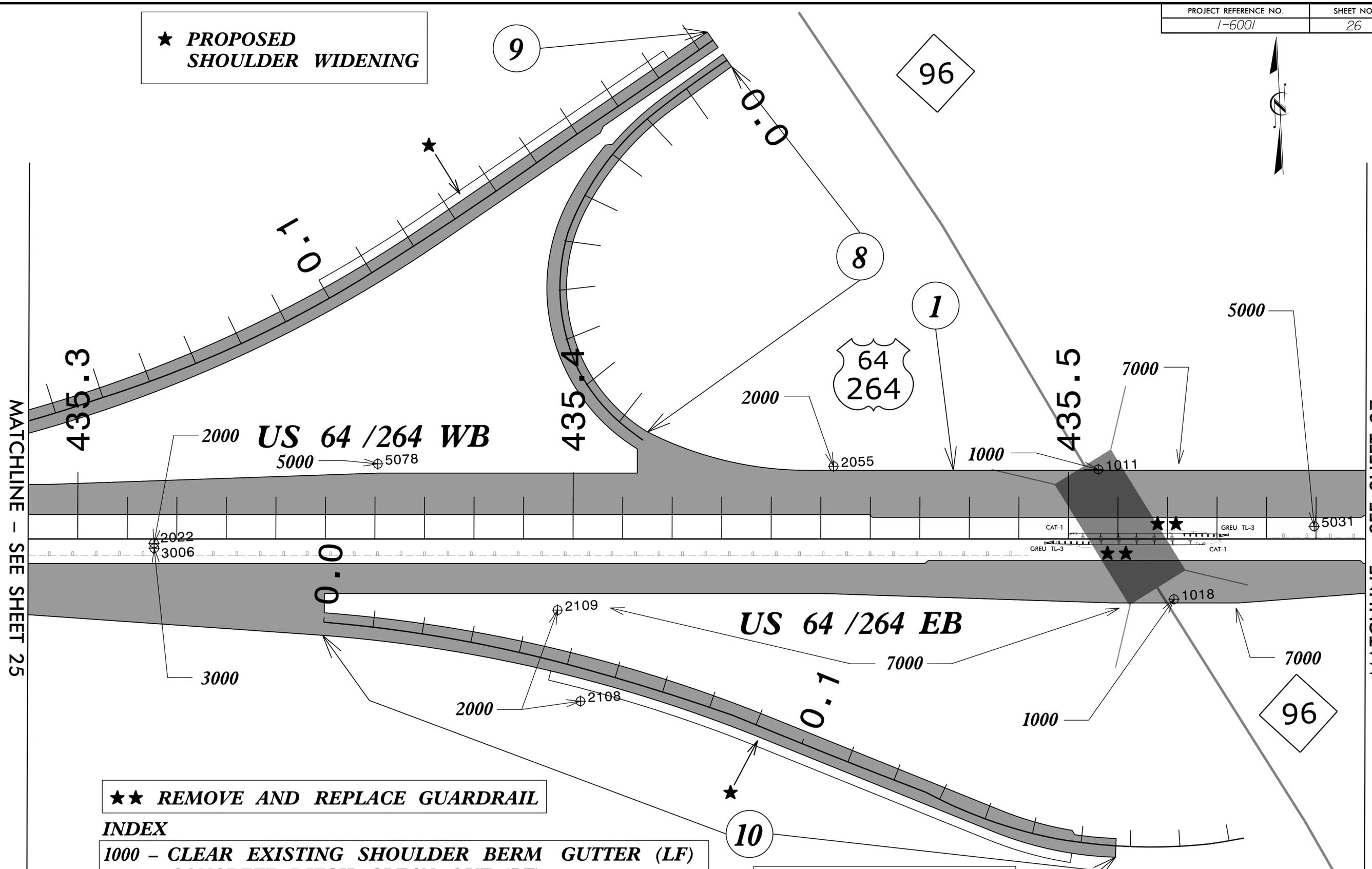
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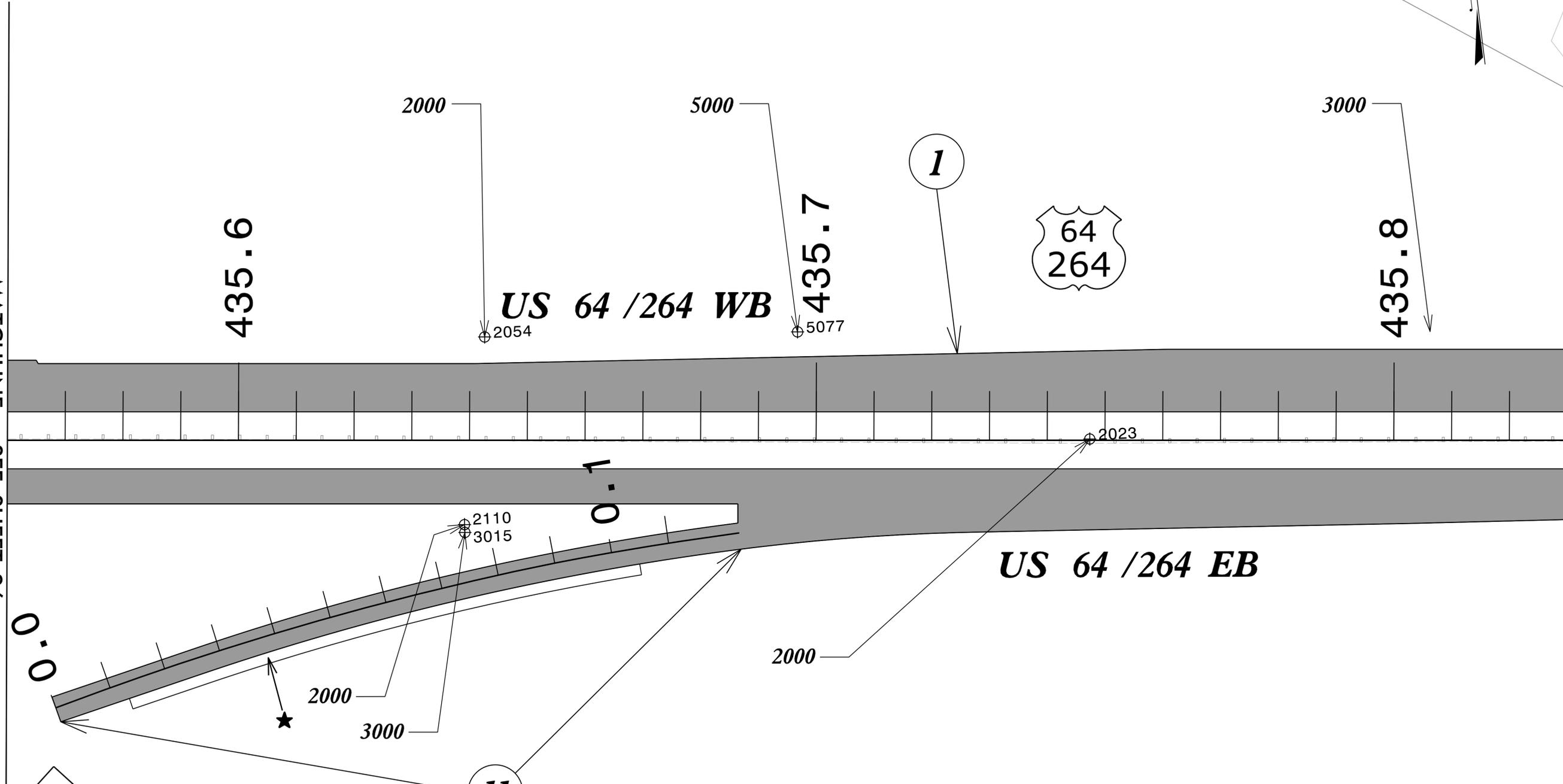
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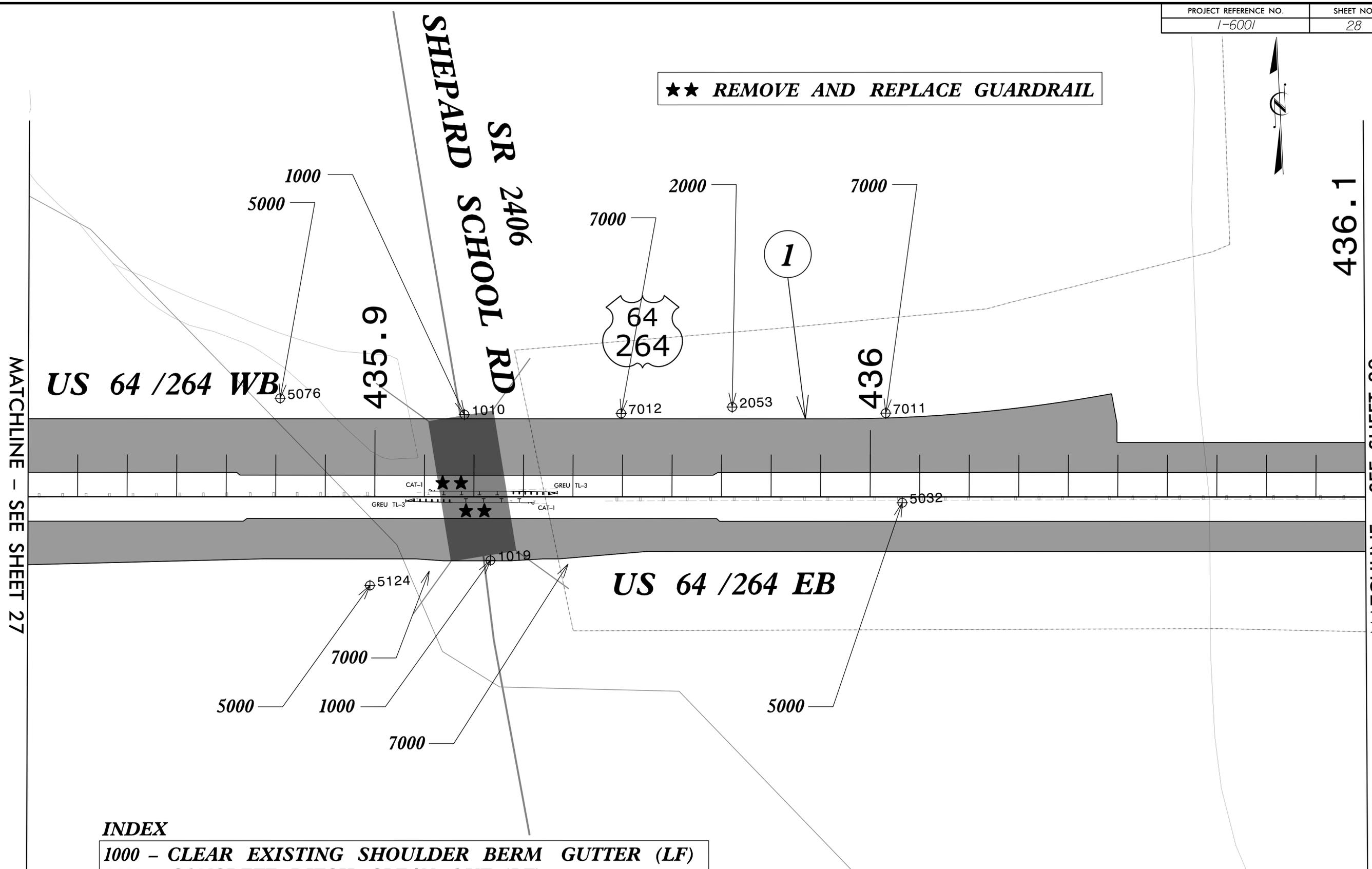
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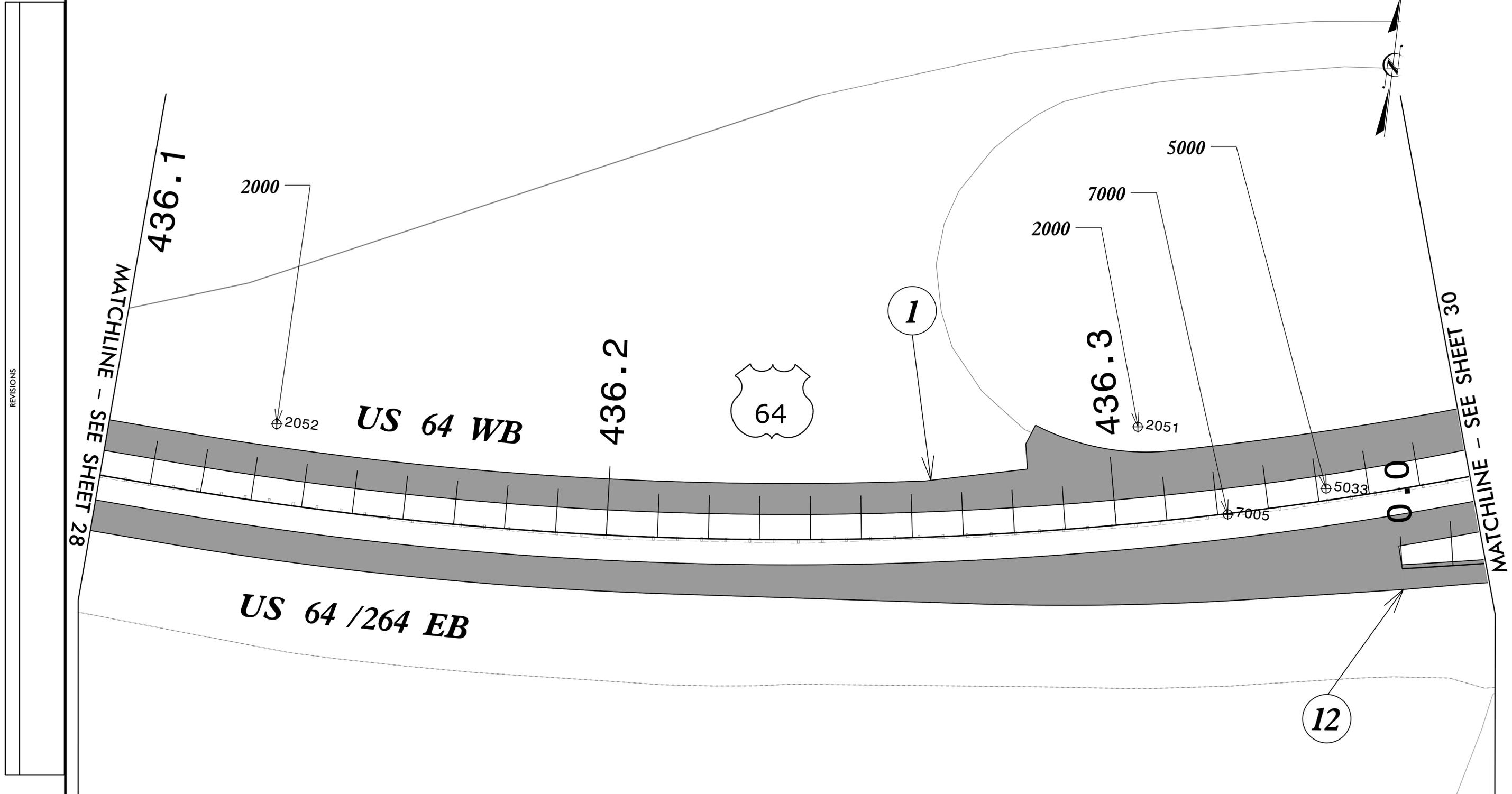
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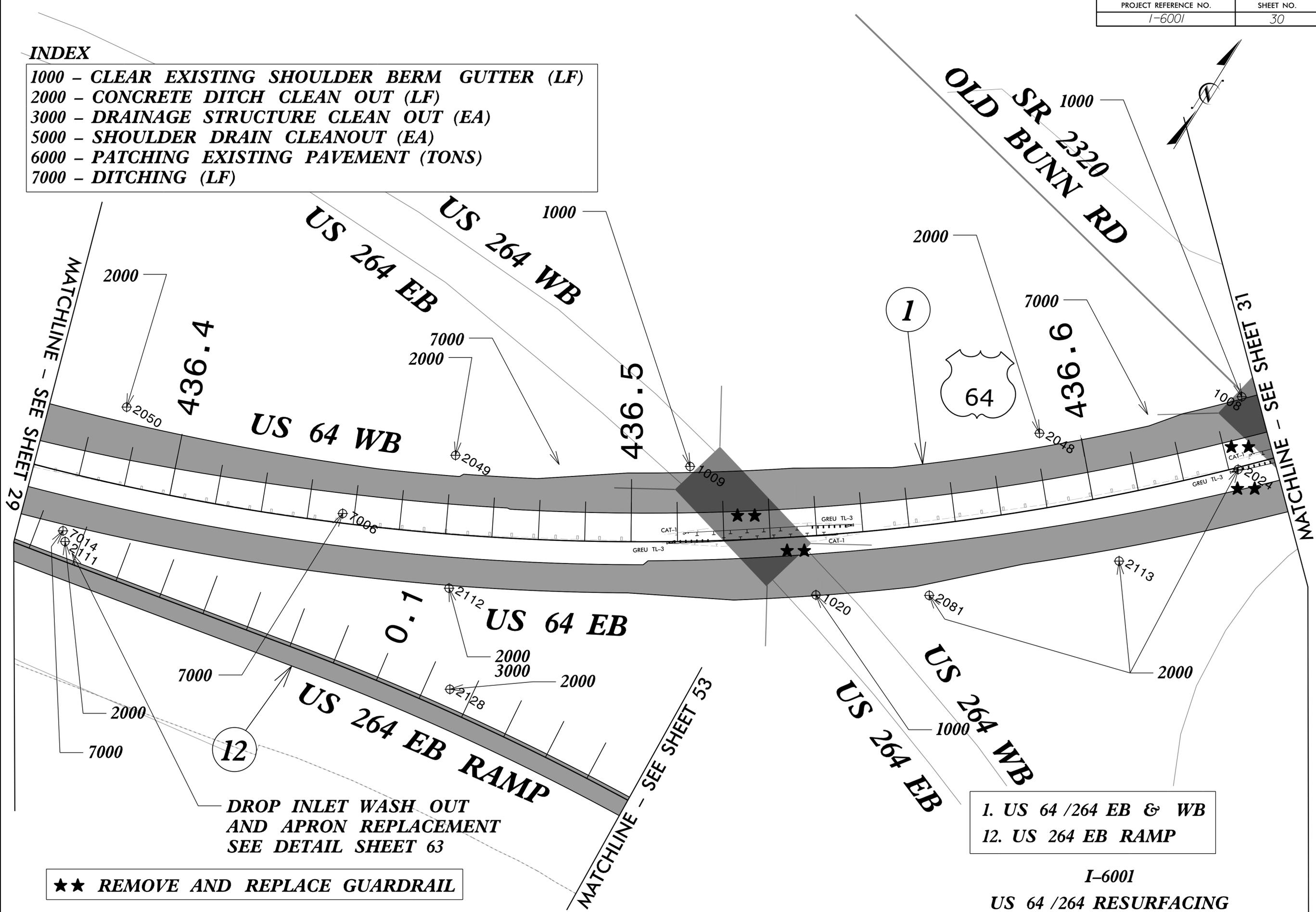
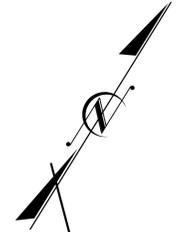
- 1000 - CLEAR EXISTING SHOULDER BERM GUTTER (LF)
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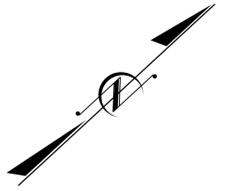
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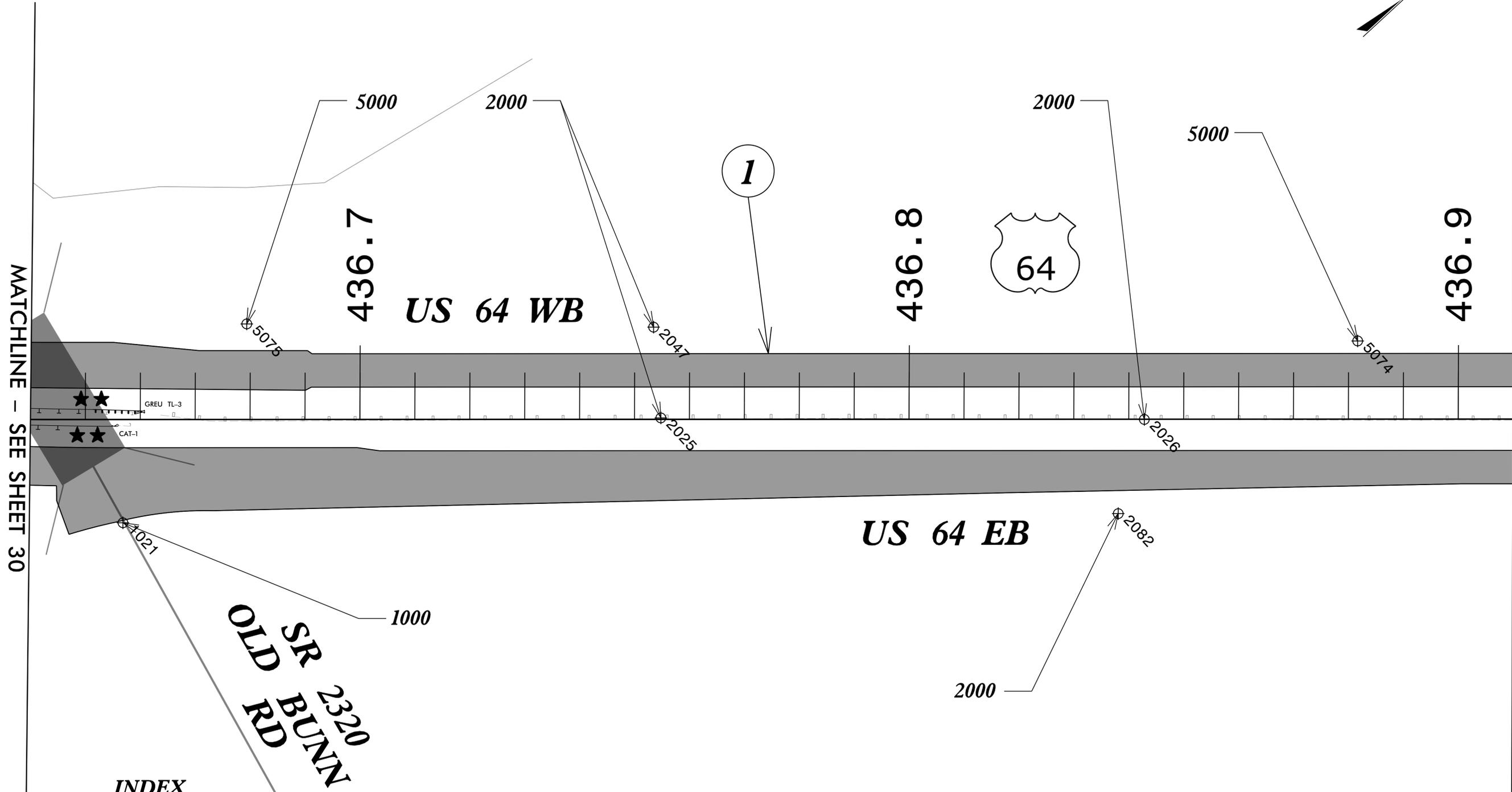
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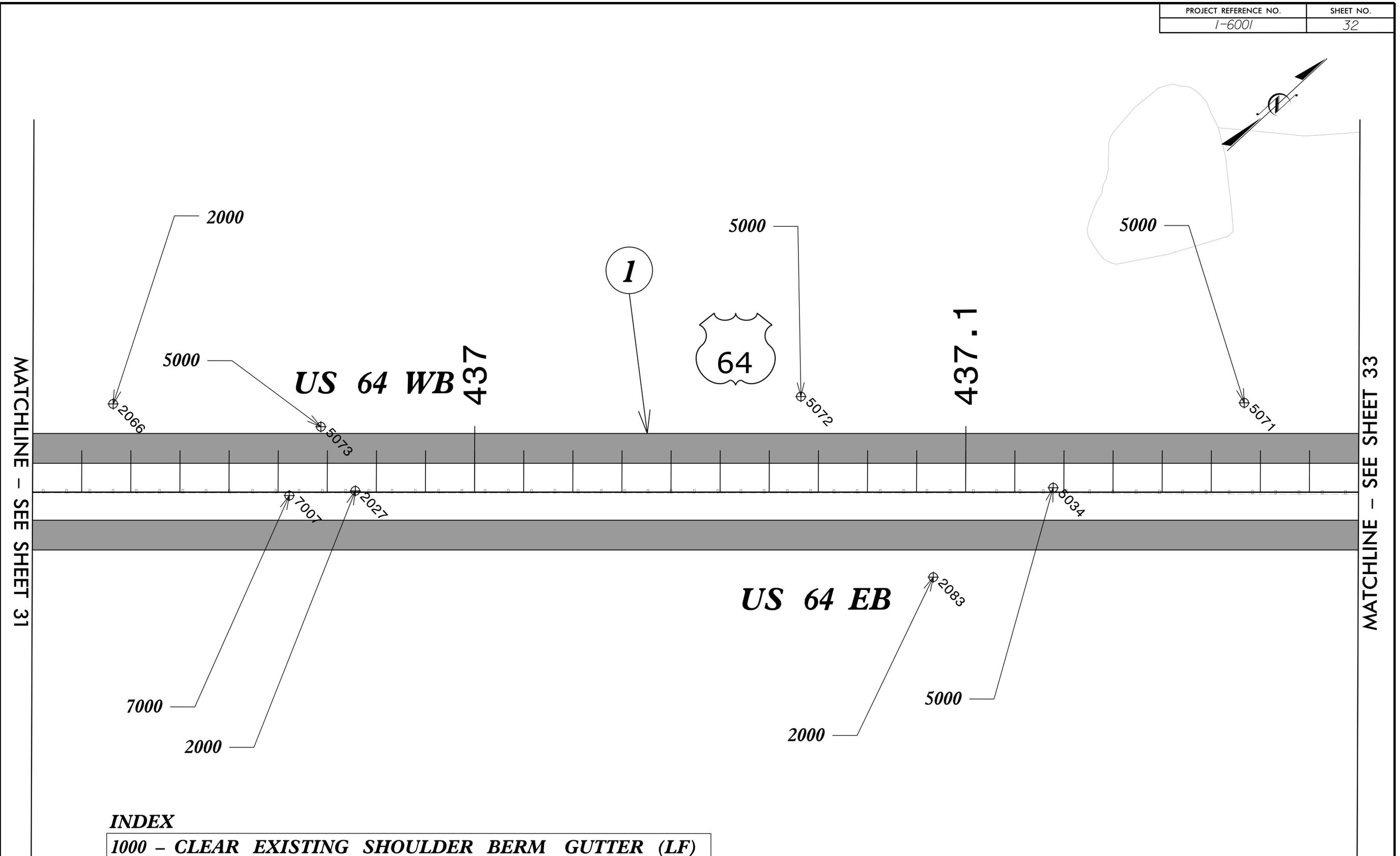
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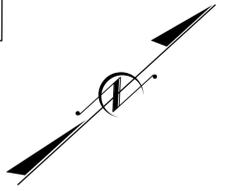
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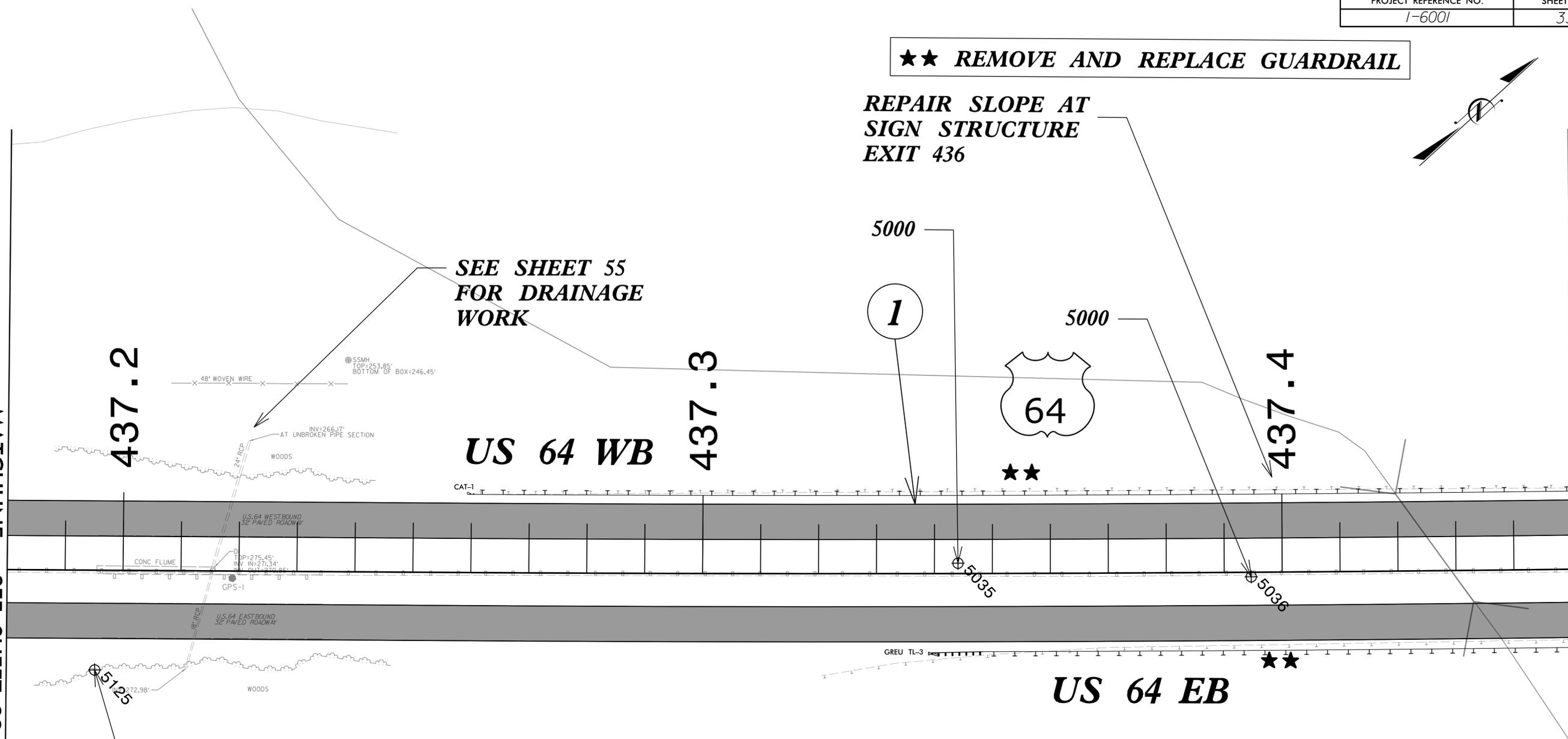
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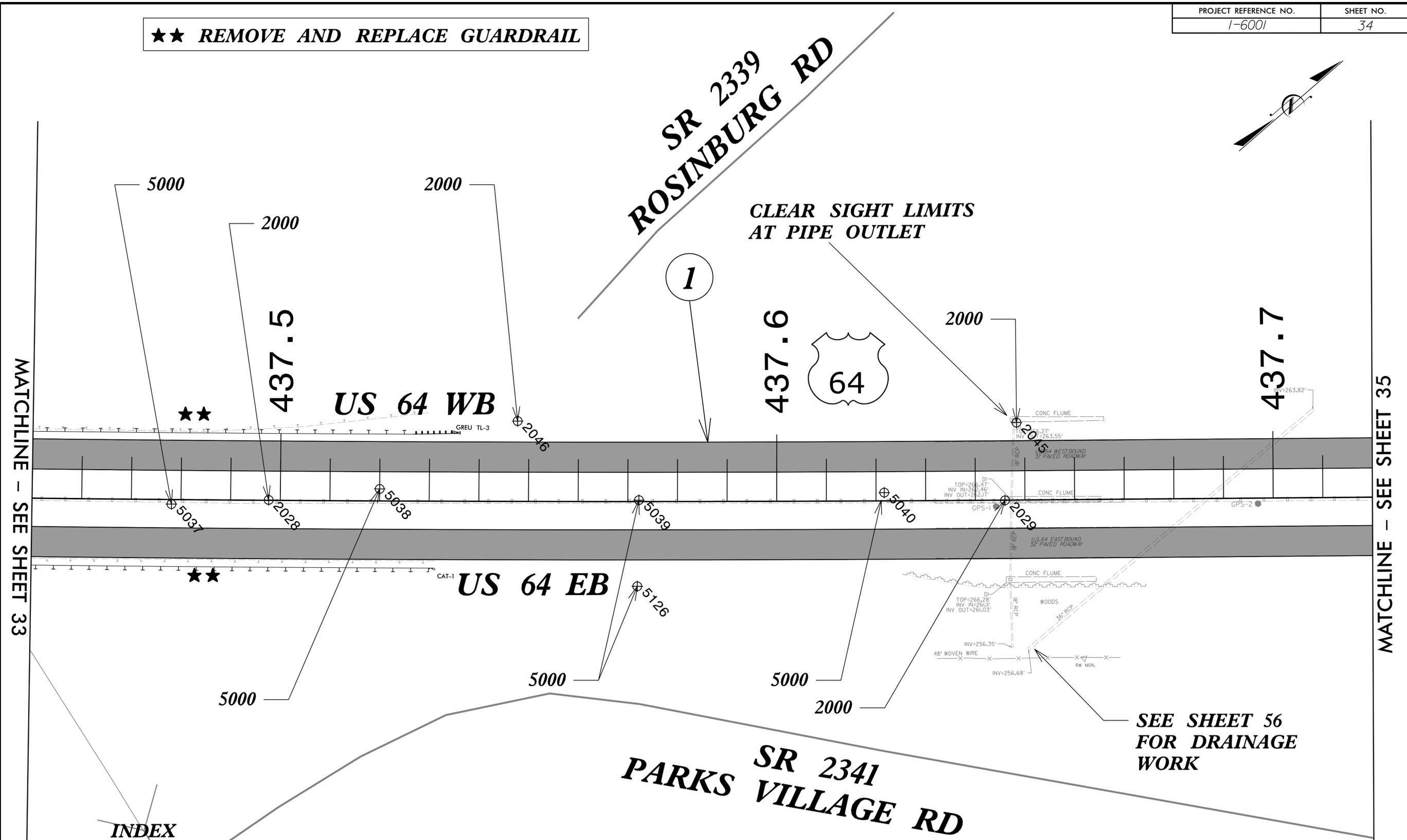
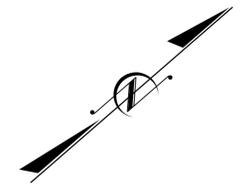
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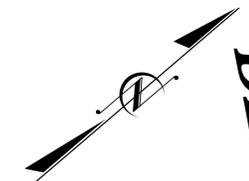
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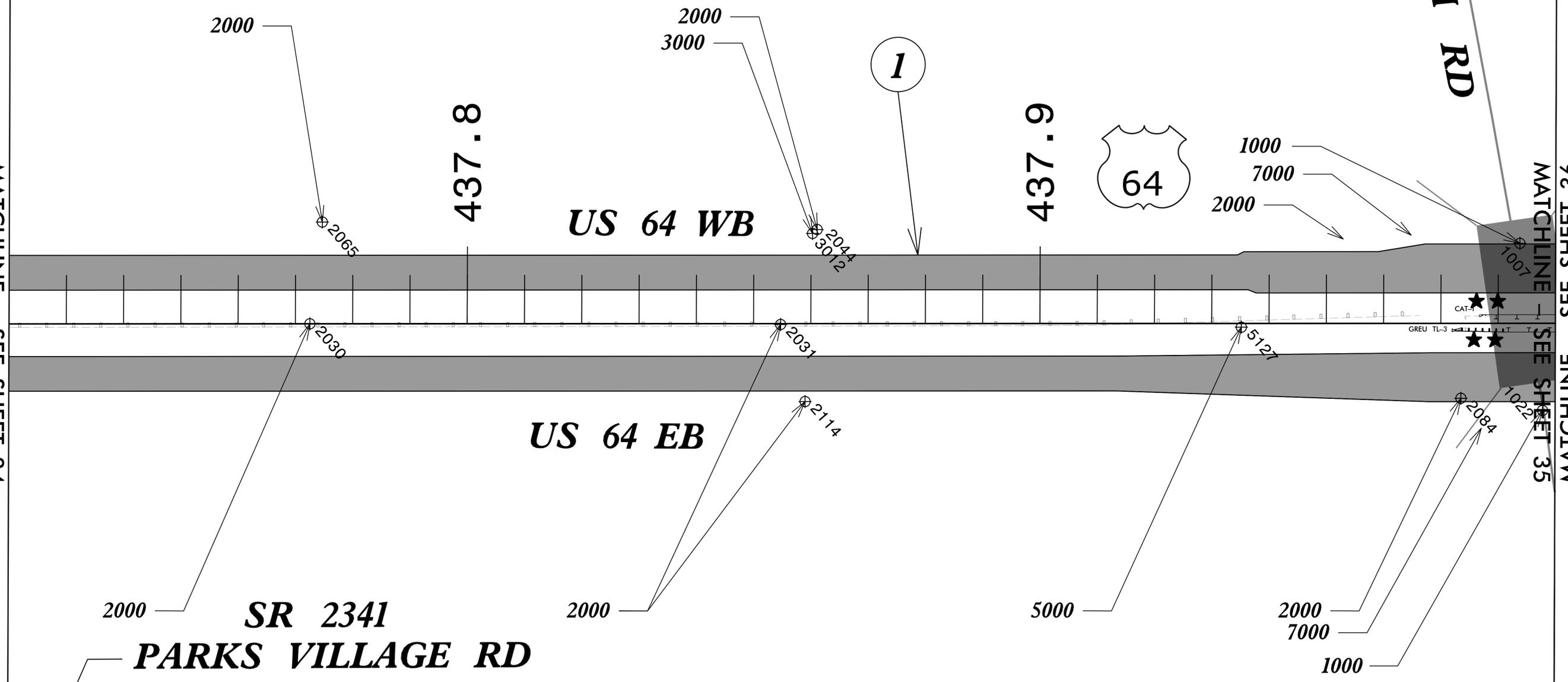
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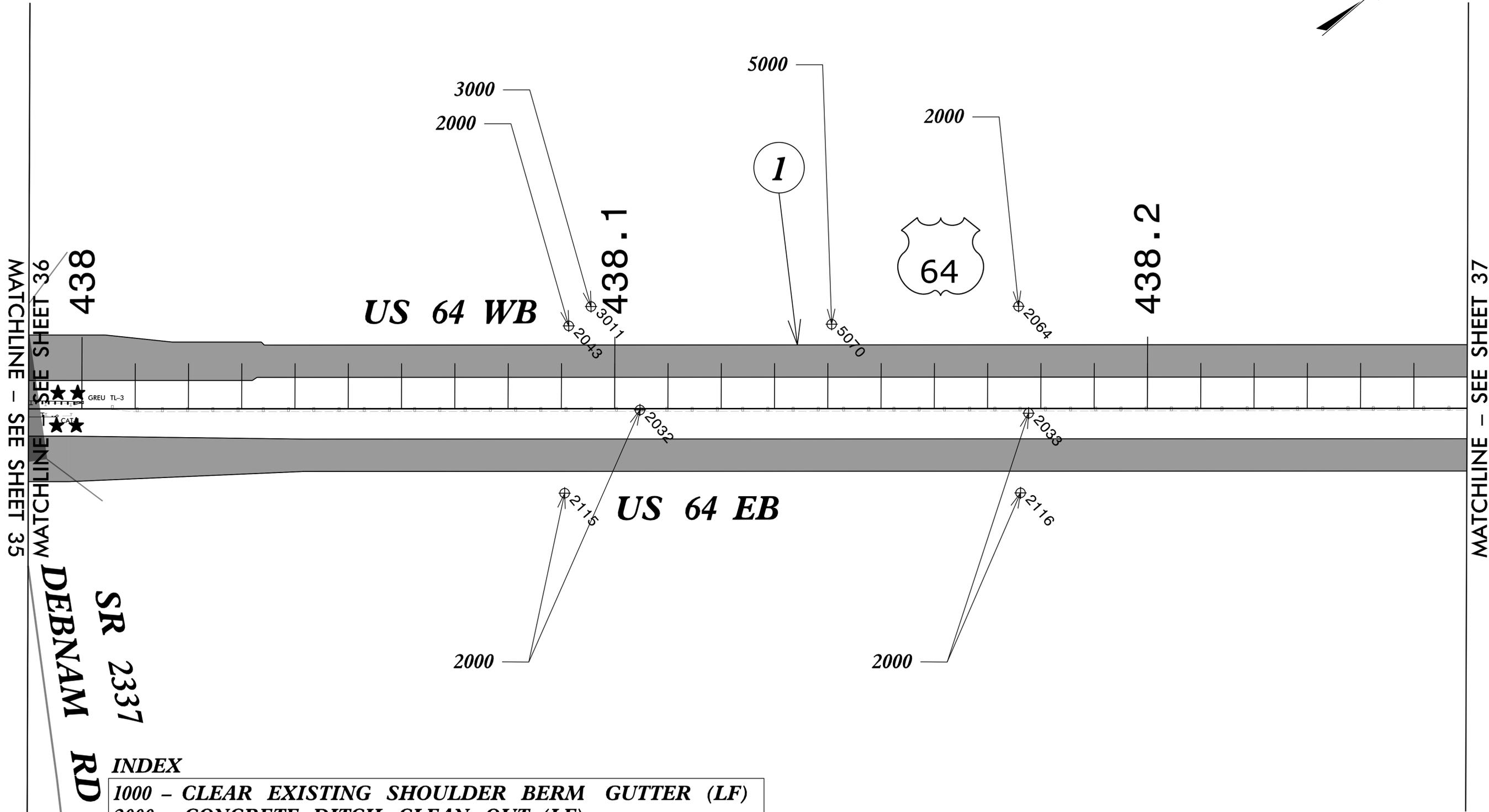
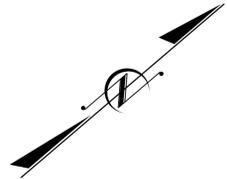
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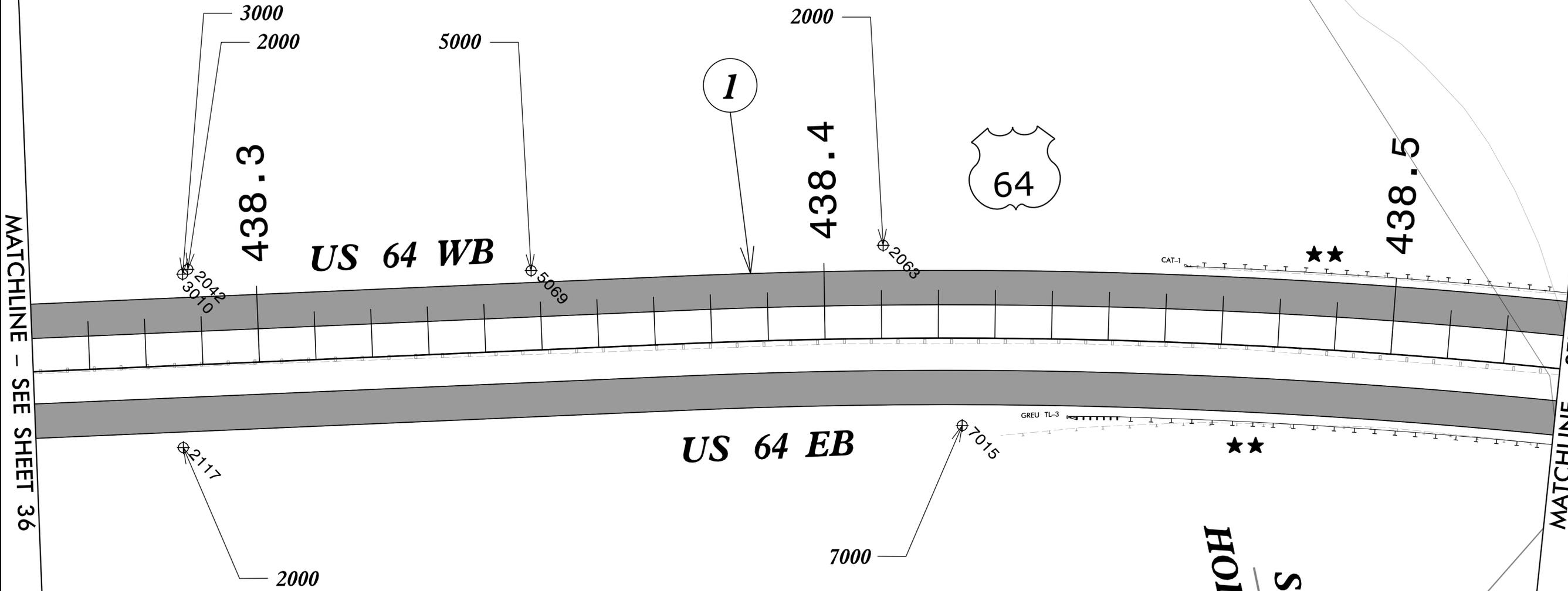
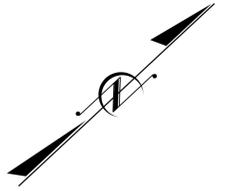
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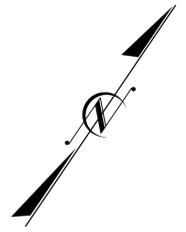
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438.7



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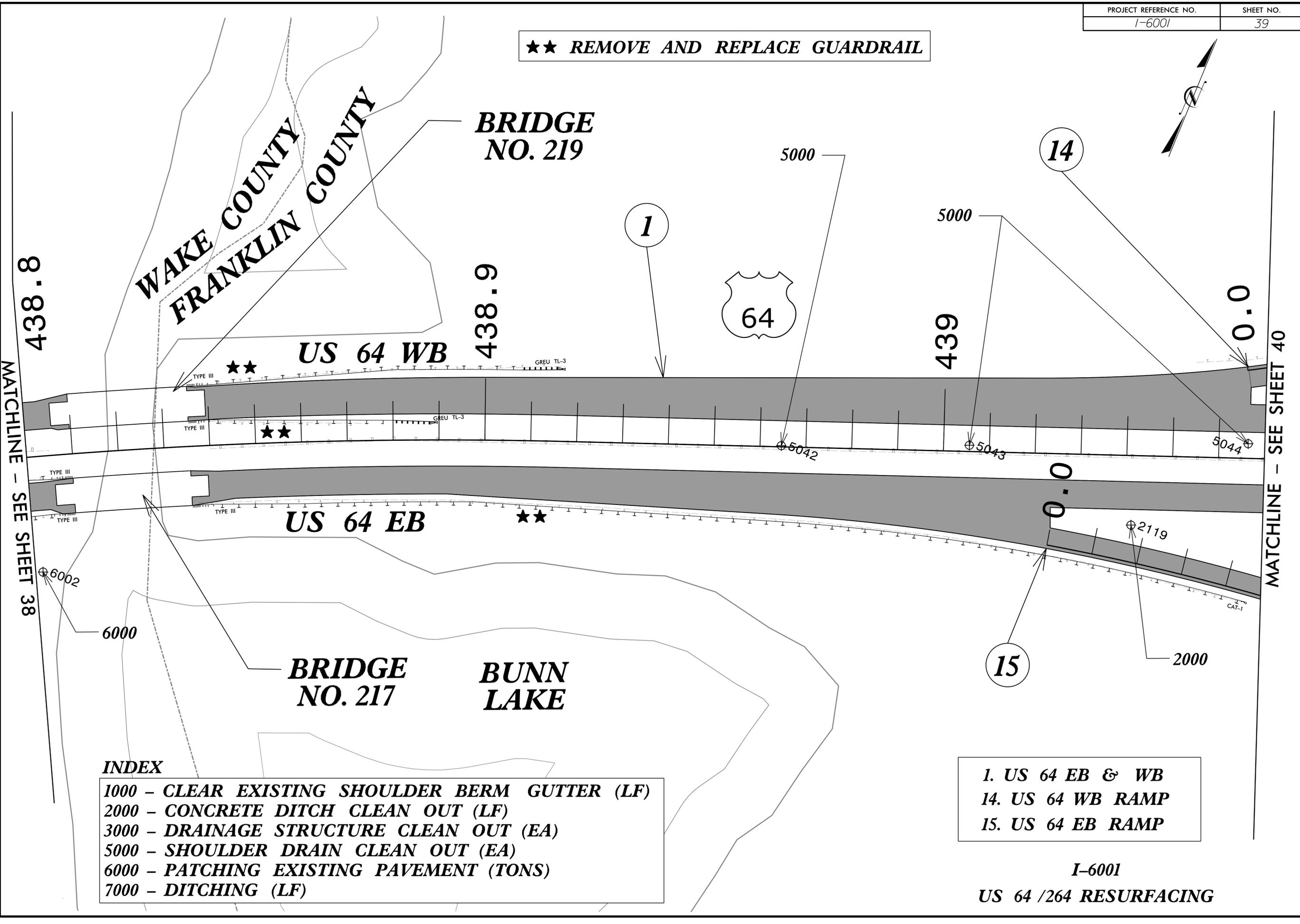
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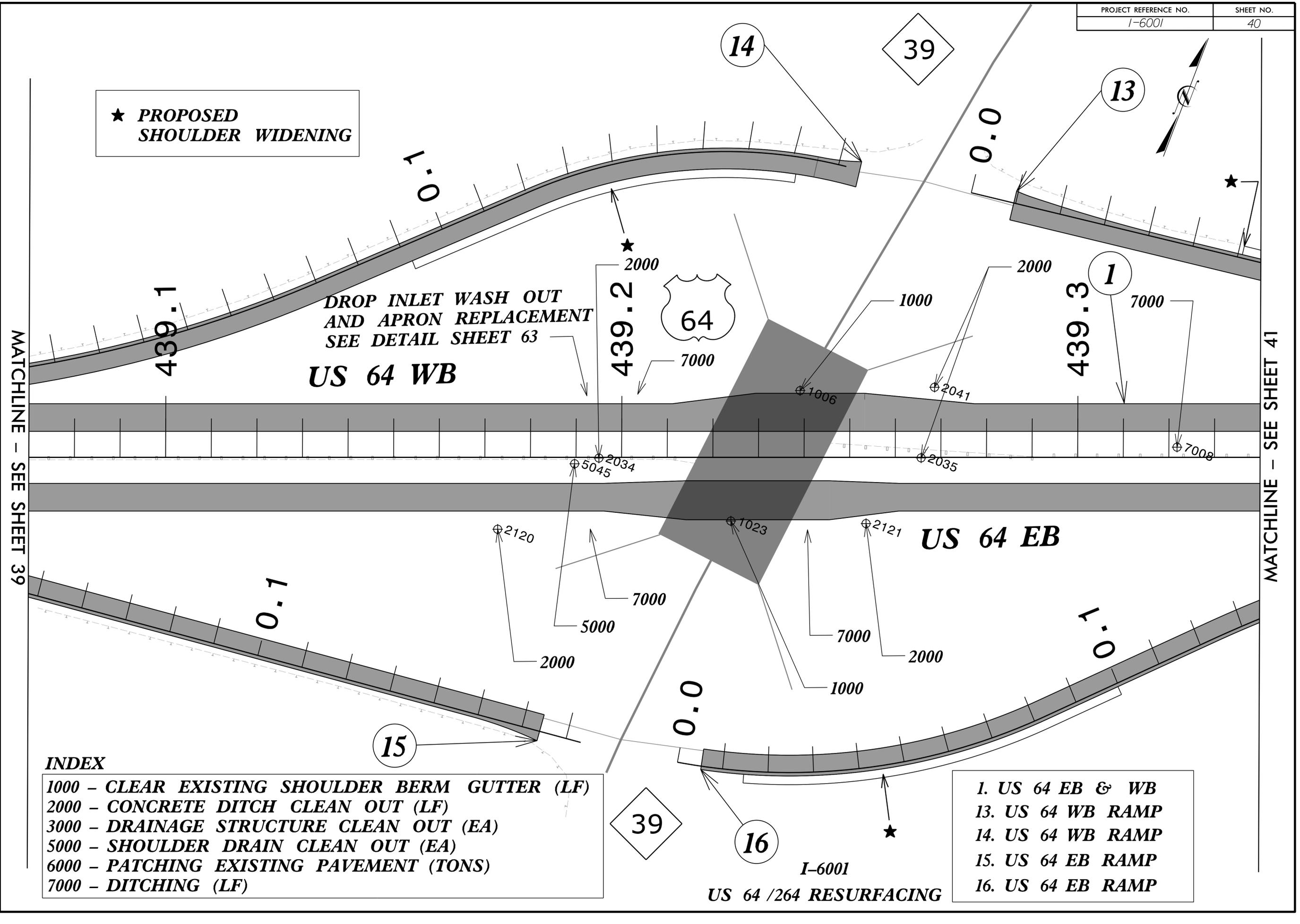
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- 15. US 64 EB RAMP
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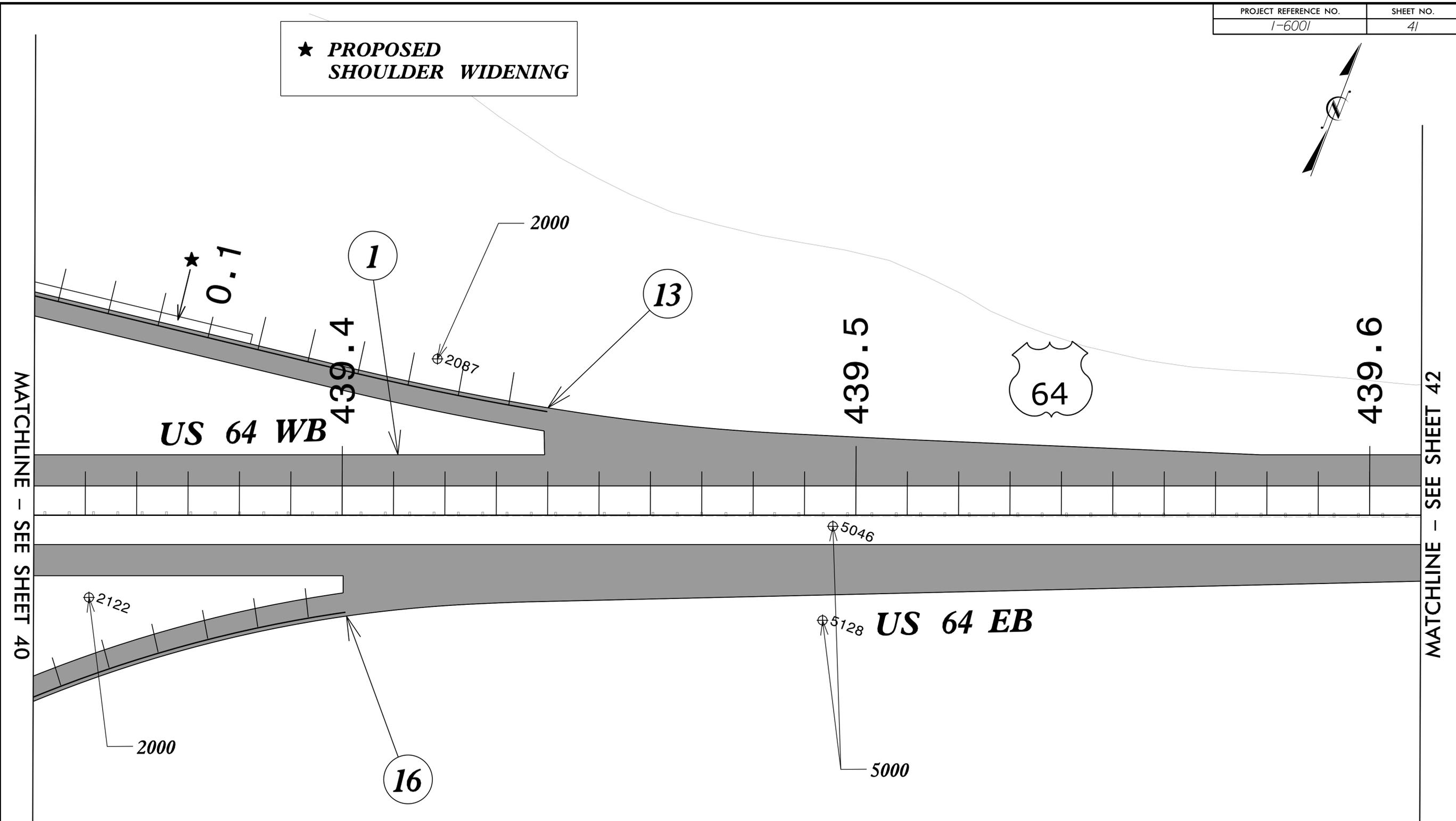
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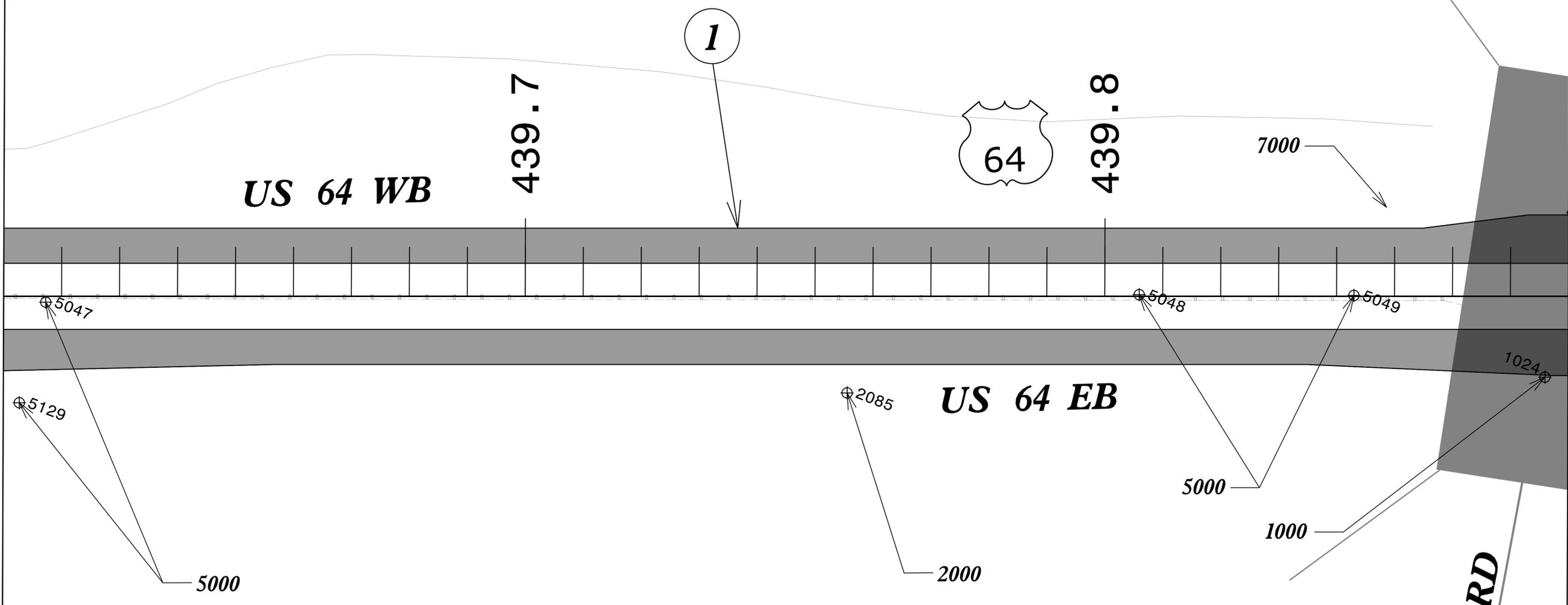
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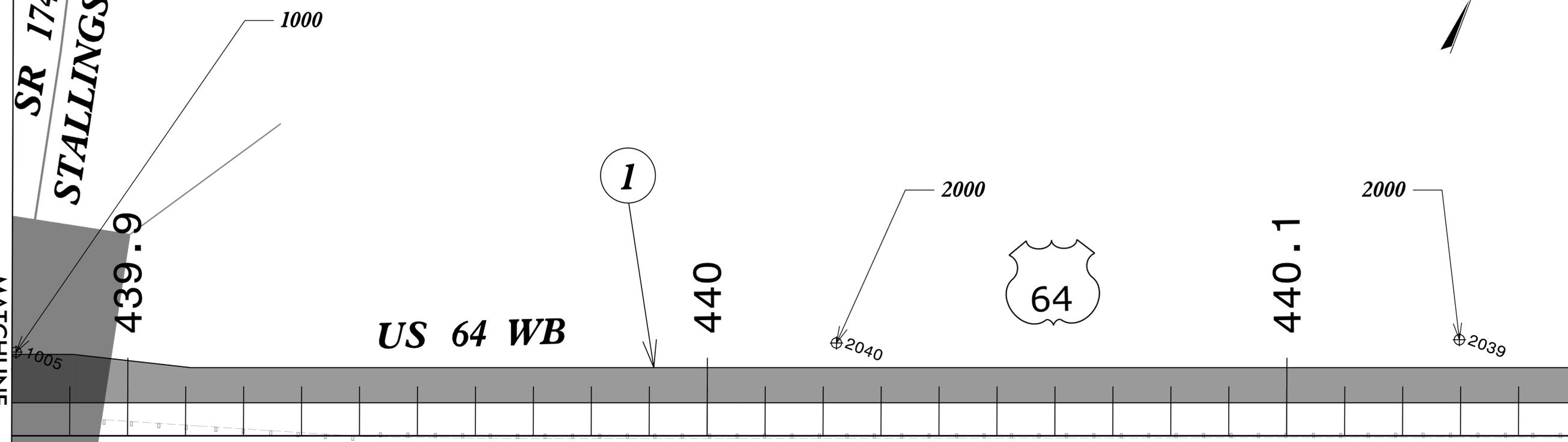
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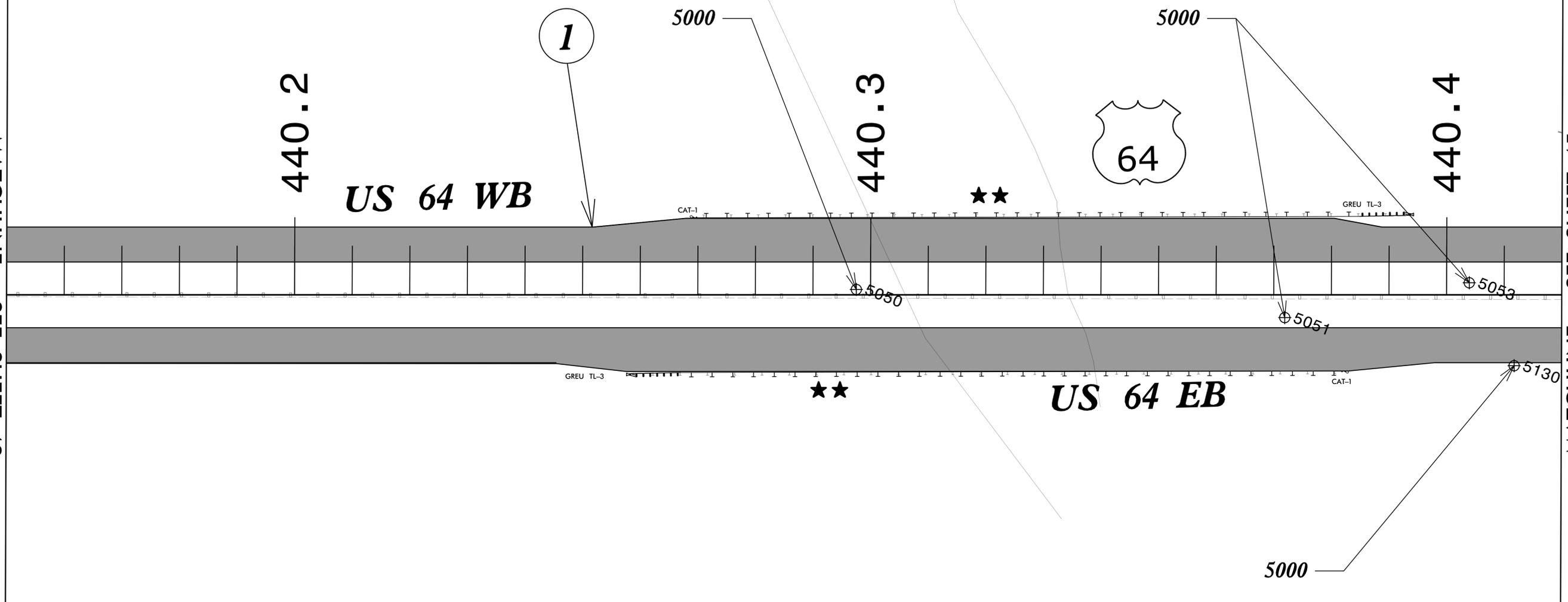
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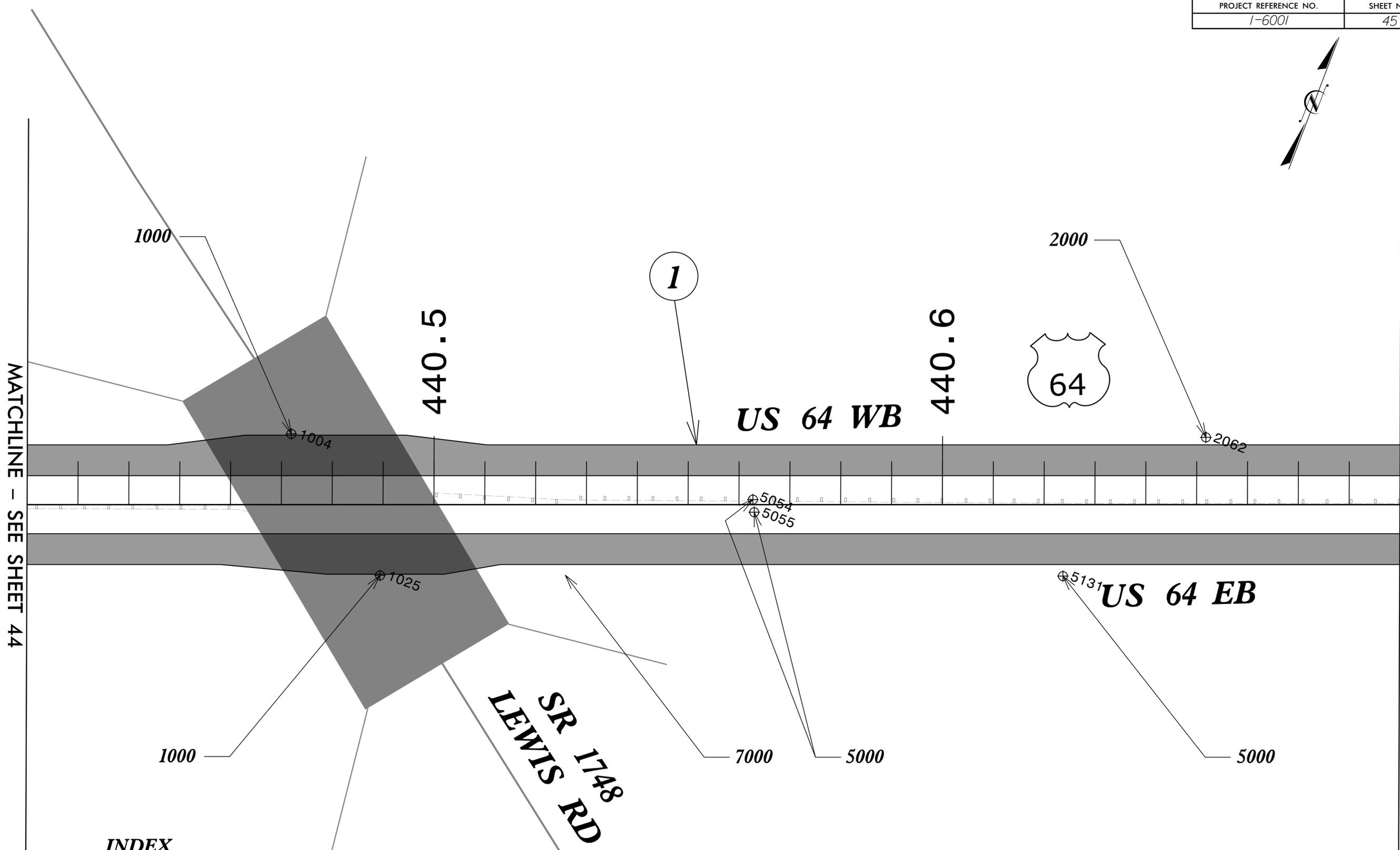
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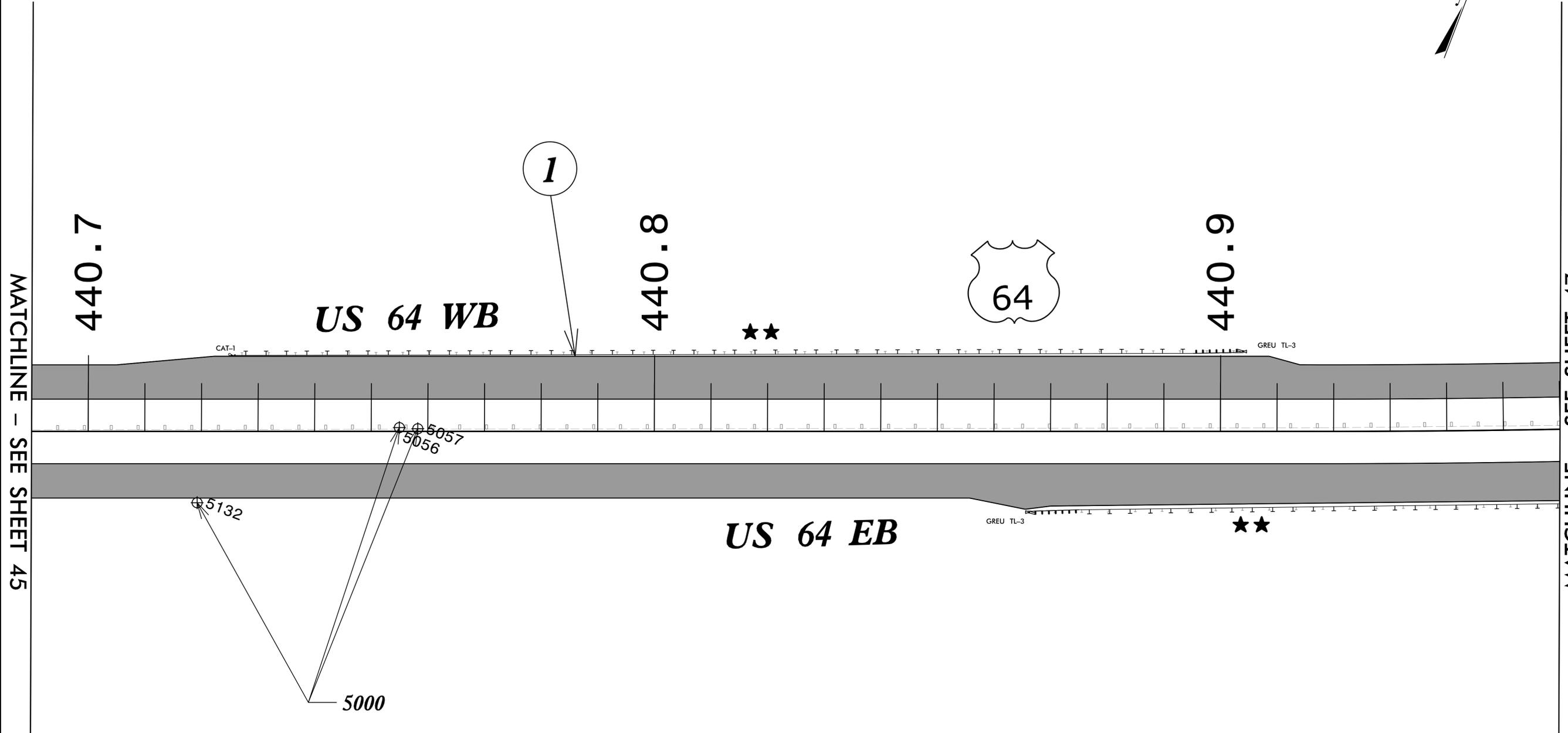
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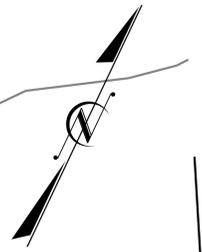
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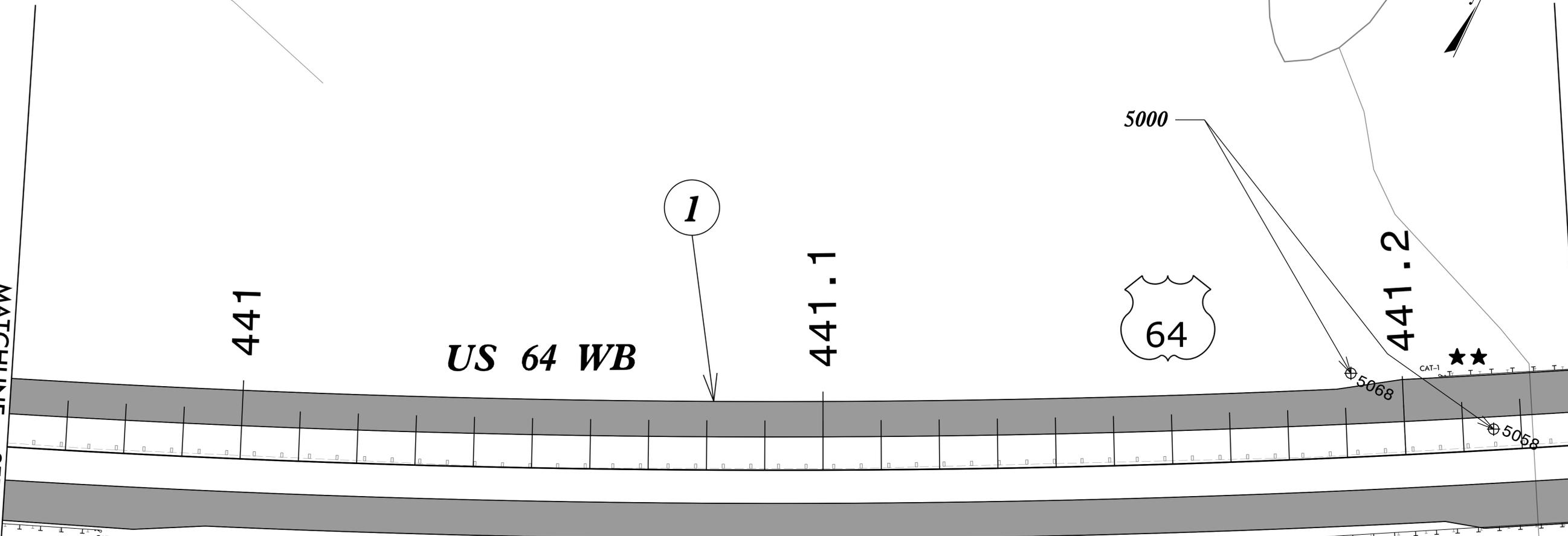
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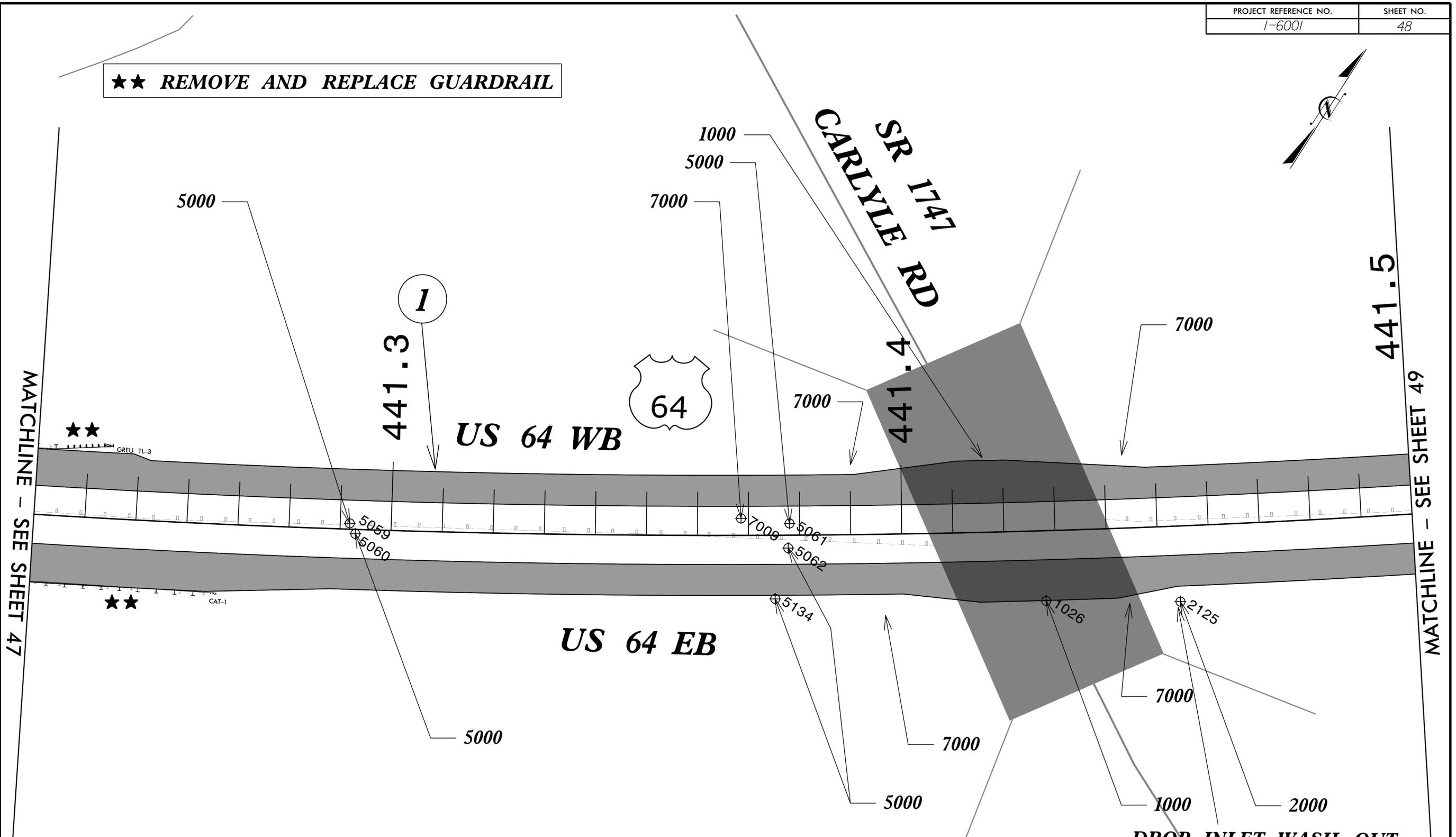
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**I-6001
US 64 /264 RESURFACING**

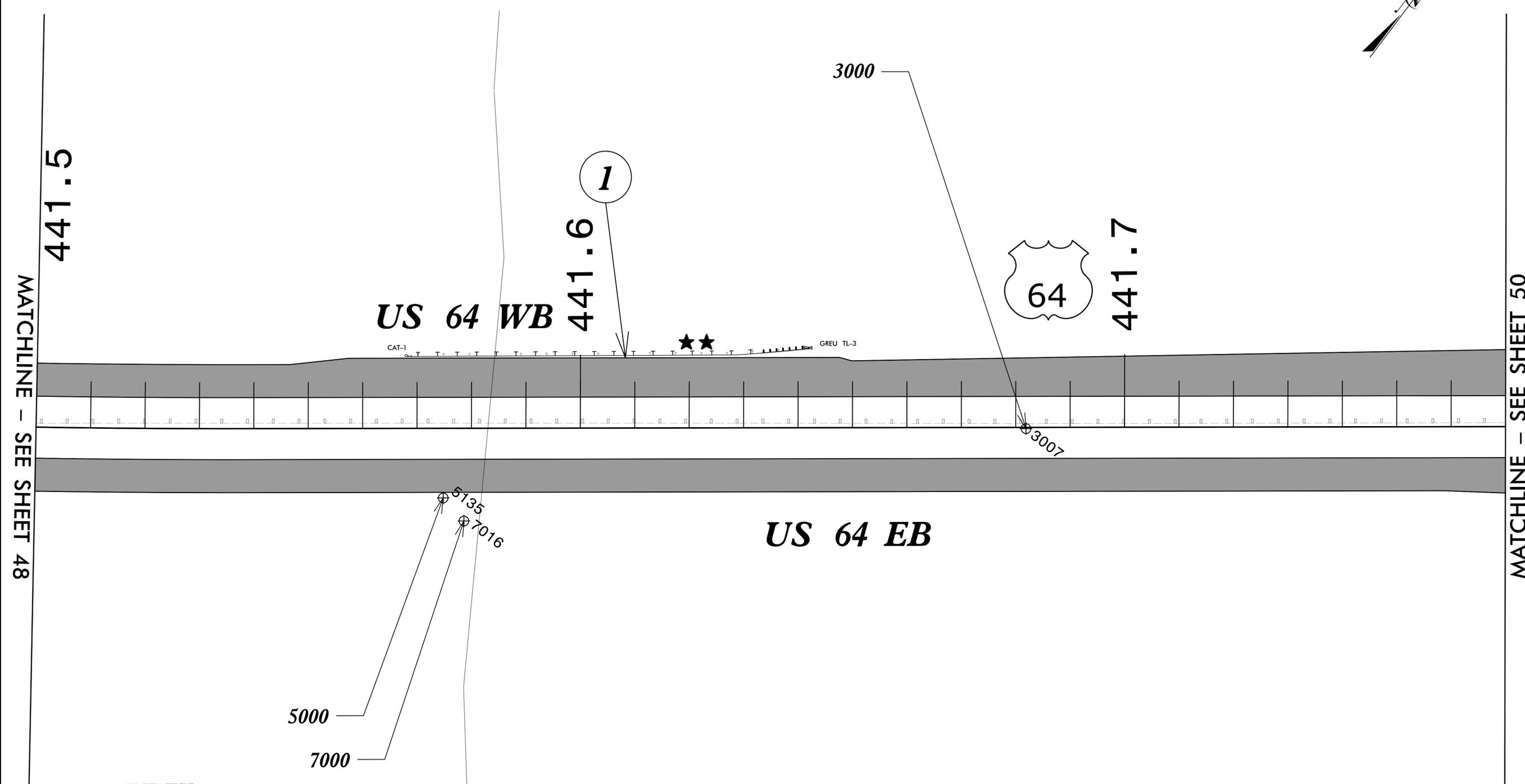
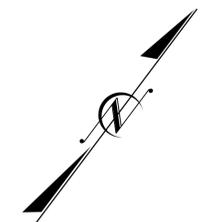
REVISIONS

MATCHLINE - SEE SHEET 47

MATCHLINE - SEE SHEET 49

8/17/99

★★ REMOVE AND REPLACE GUARDRAIL



INDEX

- 1000 - CLEAR EXISTING SHOULDER BERM GUTTER (LF)
- 2000 - CONCRETE DITCH CLEAN OUT (LF)
- 3000 - DRAINAGE STRUCTURE CLEAN OUT (EA)
- 5000 - SHOULDER DRAIN CLEAN OUT (EA)
- 6000 - PATCHING EXISTING PAVEMENT (TONS)
- 7000 - DITCHING (LF)

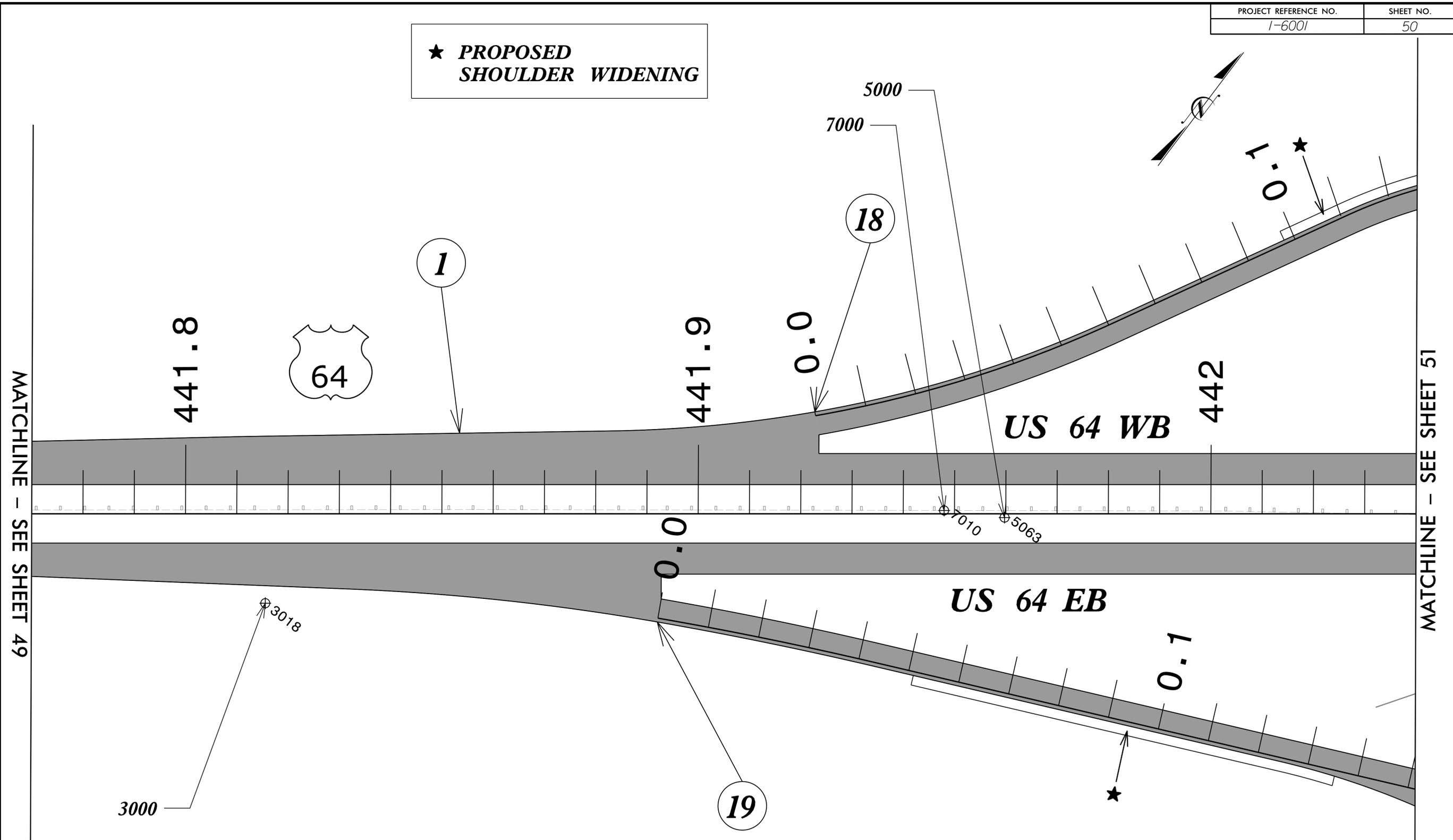
1. US 64 EB & WB

**I-6001
US 64 /264 RESURFACING**

REVISIONS

8/17/99

★ **PROPOSED SHOULDER WIDENING**



MATCHLINE - SEE SHEET 49

MATCHLINE - SEE SHEET 51

INDEX

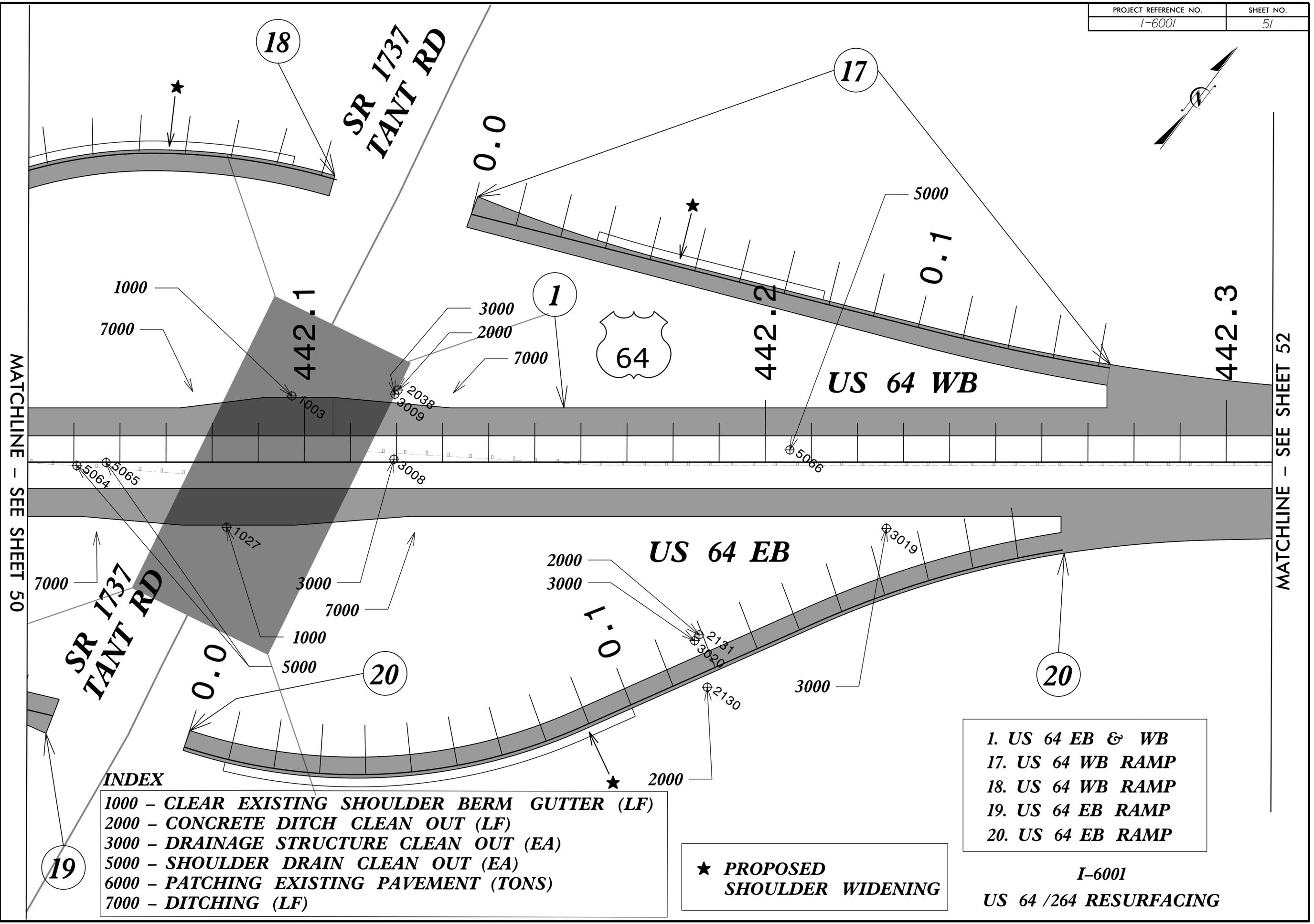
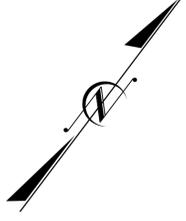
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- 5000 - SHOULDER DRAIN CLEAN OUT (EA)
- 6000 - PATCHING EXISTING PAVEMENT (TONS)
- 7000 - DITCHING (LF)

- 1. US 64 EB & WB
- 18. US 64 WB RAMP
- 19. US 64 EB RAMP

I-6001
US 64 /264 RESURFACING

8/17/99

REVISIONS



REVISIONS

MATCHLINE - SEE SHEET 50

MATCHLINE - SEE SHEET 52

INDEX

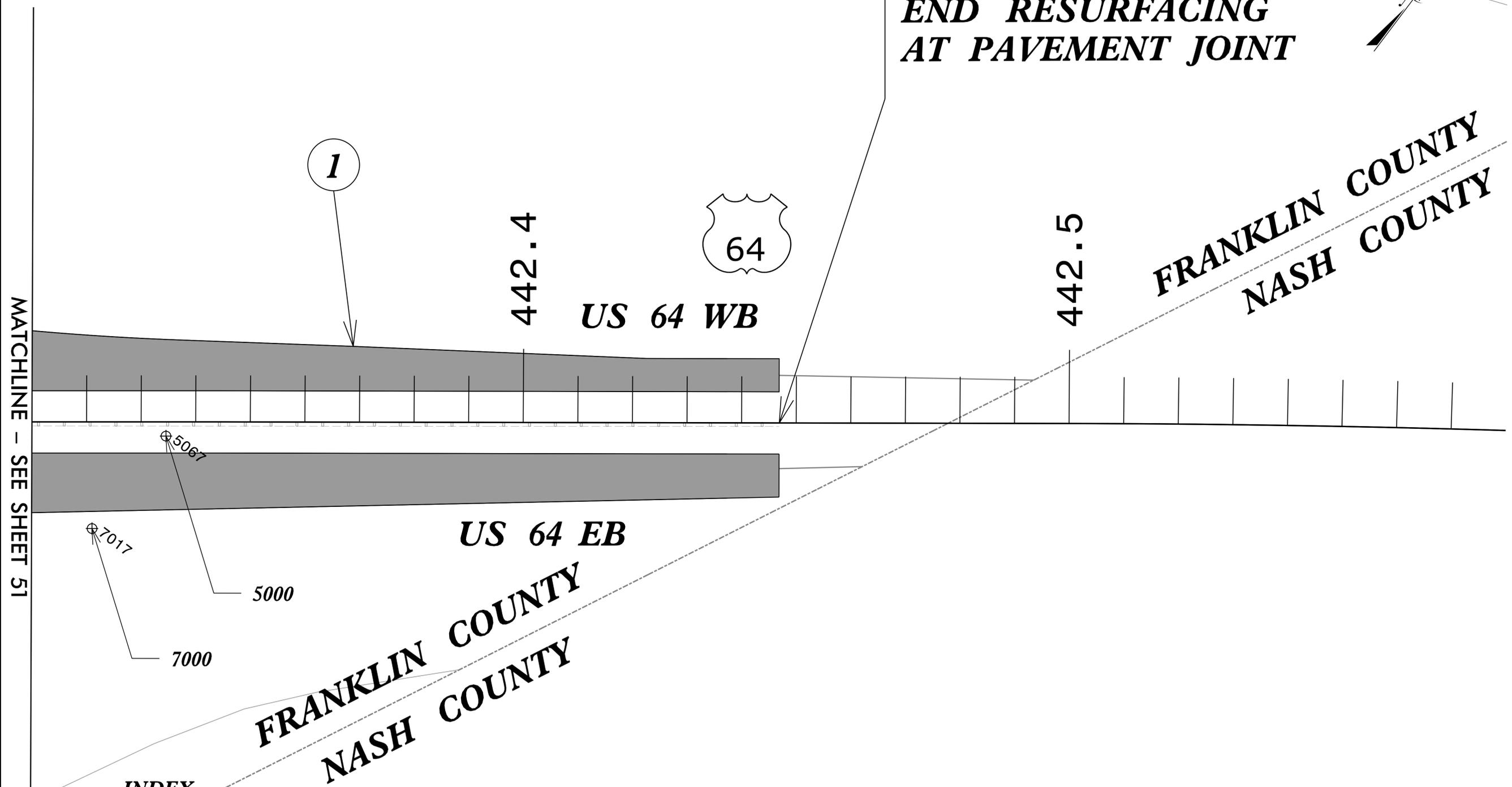
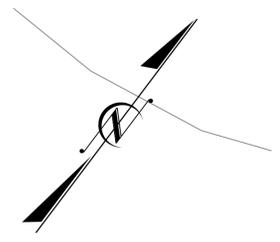
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- 3000 - DRAINAGE STRUCTURE CLEAN OUT (EA)
- 5000 - SHOULDER DRAIN CLEAN OUT (EA)
- 6000 - PATCHING EXISTING PAVEMENT (TONS)
- 7000 - DITCHING (LF)

★ PROPOSED SHOULDER WIDENING

- 1. US 64 EB & WB
- 17. US 64 WB RAMP
- 18. US 64 WB RAMP
- 19. US 64 EB RAMP
- 20. US 64 EB RAMP

I-6001
US 64 /264 RESURFACING

END
TIP PROJECT I-6001
END RESURFACING
AT PAVEMENT JOINT



REVISIONS
MATCHLINE - SEE SHEET 51

- INDEX**
- 1000 - CLEAR EXISTING SHOULDER BERM GUTTER (LF)
 - 2000 - CONCRETE DITCH CLEAN OUT (LF)
 - 3000 - DRAINAGE STRUCTURE CLEAN OUT (EA)
 - 5000 - SHOULDER DRAIN CLEAN OUT (EA)
 - 6000 - PATCHING EXISTING PAVEMENT (TONS)
 - 7000 - DITCHING (LF)

1. US 64 EB & WB

I-6001
US 64 /264 RESURFACING



US 64 WB
US 64 EB



US 264 WB

US 264 EB

0.2

0.3

US 264 EB RAMP



US 264 WB

US 264 EB

MATCHLINE - SEE SHEET 30

REVISIONS

12

12

INDEX

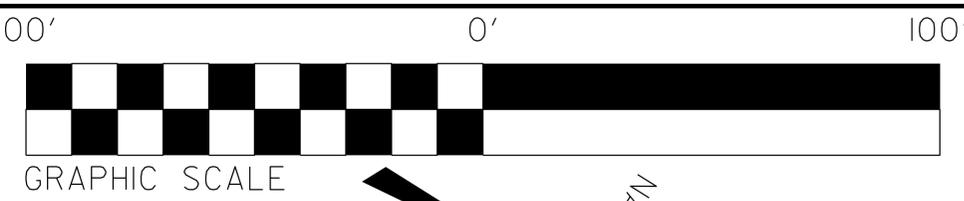
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- 2000 - CONCRETE DITCH CLEAN OUT (LF)
- 3000 - DRAINAGE STRUCTURE CLEAN OUT (EA)
- 5000 - SHOULDER DRAIN CLEAN OUT (EA)
- 6000 - PATCHING EXISTING PAVEMENT (TONS)
- 7000 - DITCHING (LF)

12. US 264 EB RAMP

I-6001
US 64 /264 RESURFACING

8/17/99

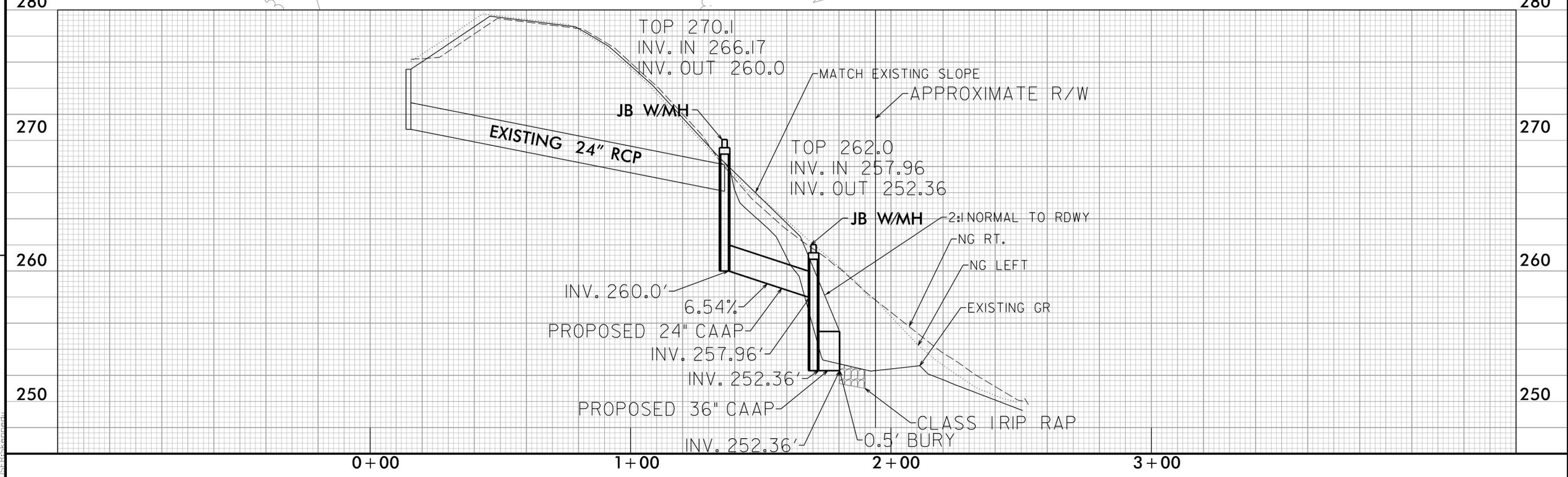
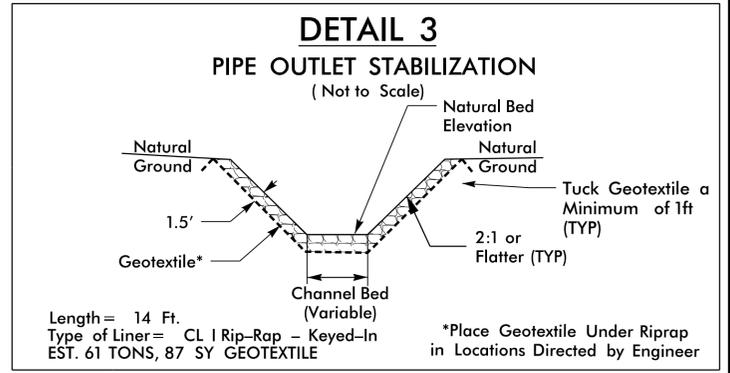
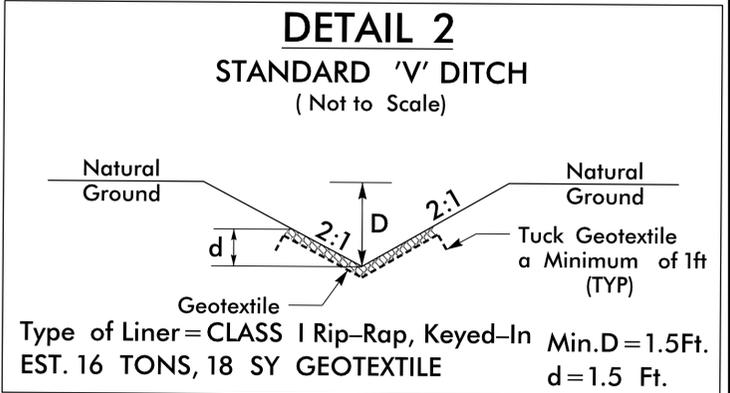
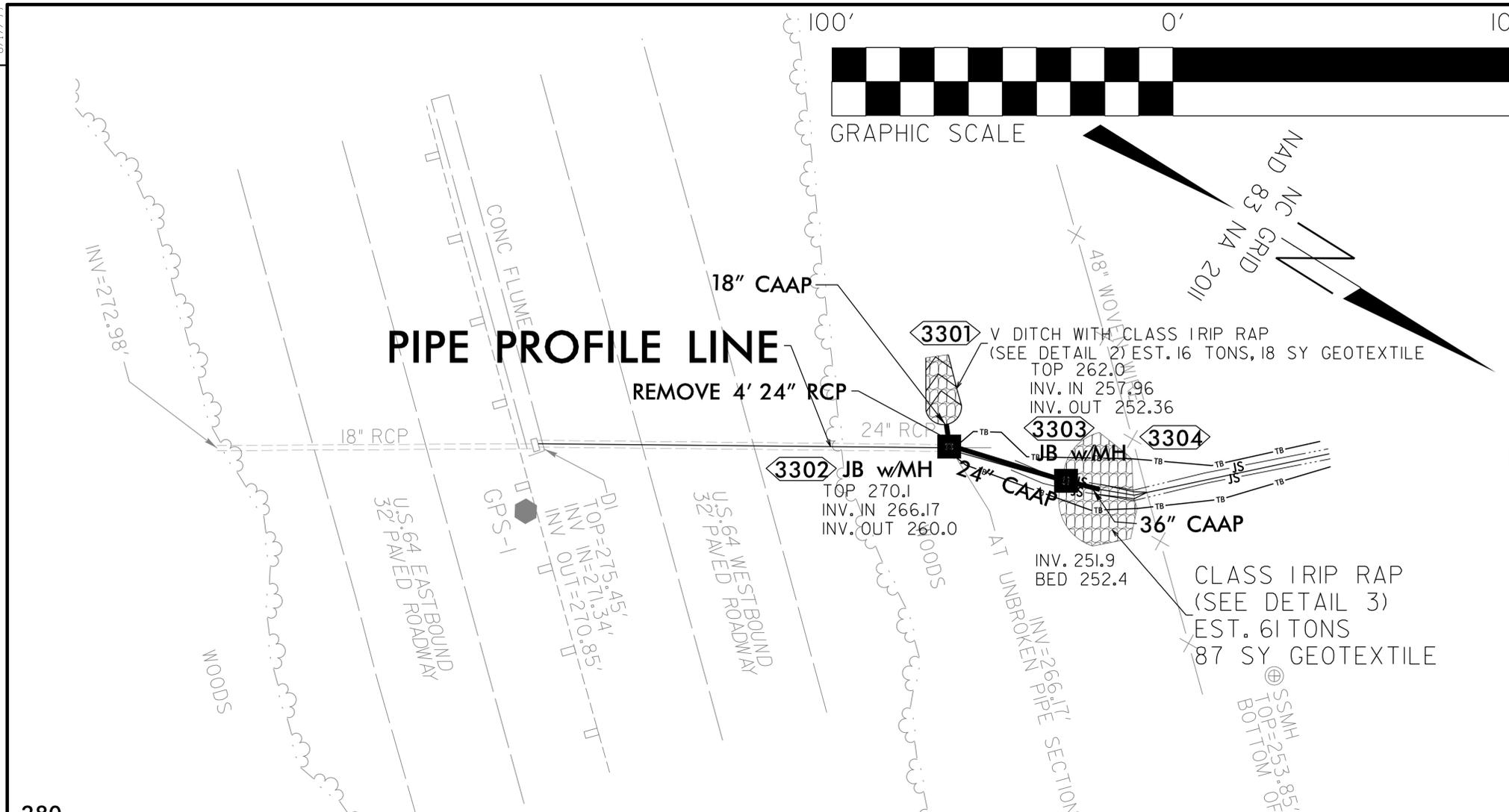
8/17/99



MP-092-00305

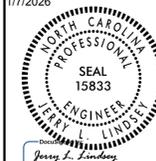
PROJECT REFERENCE NO. 1-6001	SHEET NO. 55
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
	11/5/2025

PIPE PROFILE LINE



REVISIONS

11/5/2025
MP-092-00305_hyd_drn_PLAN_SHEET.dgn
JL:skk

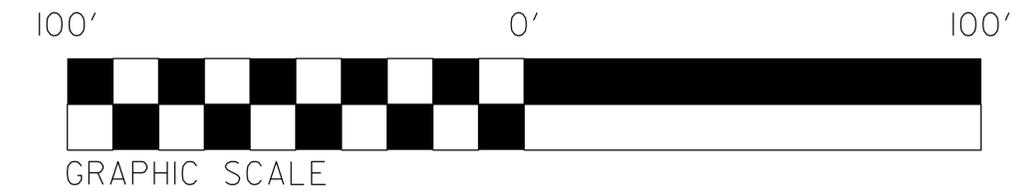
PROJECT REFERENCE NO. 1-6001	SHEET NO. 56
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
	1/7/2026
	

RIP RAP ENERGY DISSIPATOR BASIN

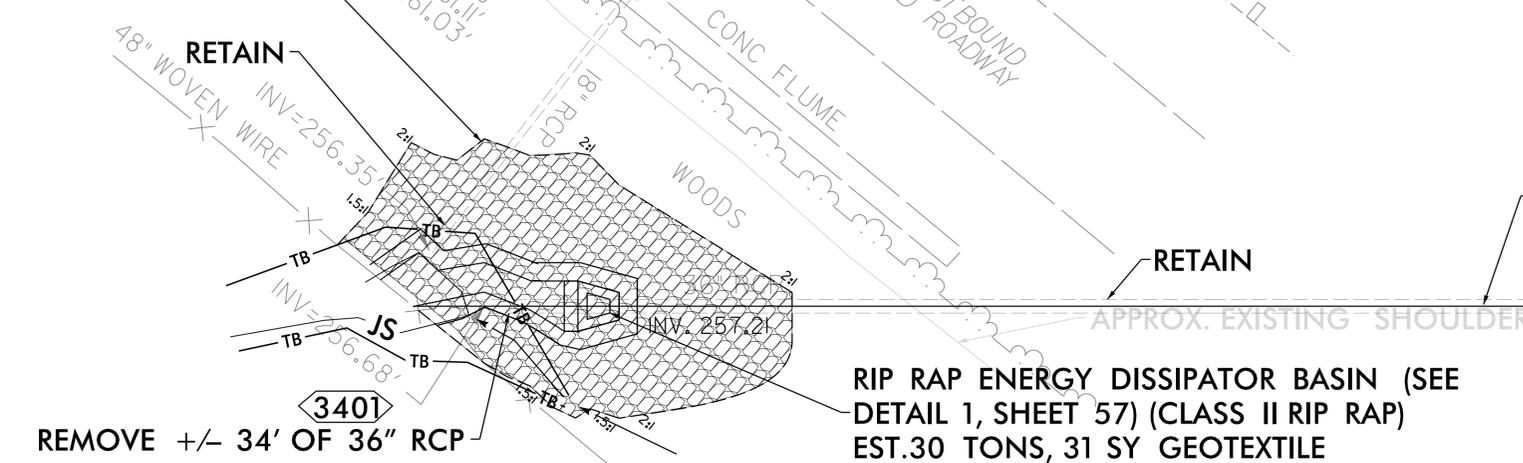
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MP-092-00301

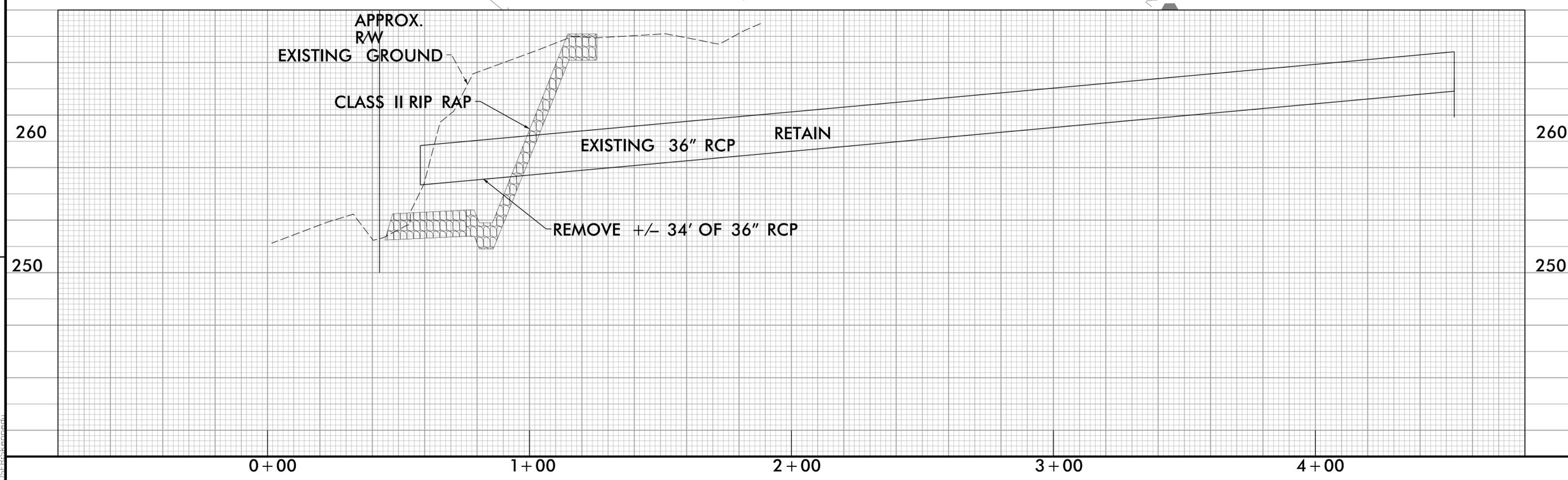
NAD 83 NA 2011



CLASS II RIP RAP
EST. 448 TONS
483 SY GEOTEXTILE



PIPE PROFILE



REVISIONS

1/7/2026 MP-092-00301-Hyd.ND RIGHT OF WAY PLAN SHEET.dgn

B.17/99

MP-092-00301

WETHERILL ENGINEERING
 1223 Jones Franklin Rd.
 Raleigh, N.C. 27606
 License No. F-0377
 Bus: 919 851 8077
 Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

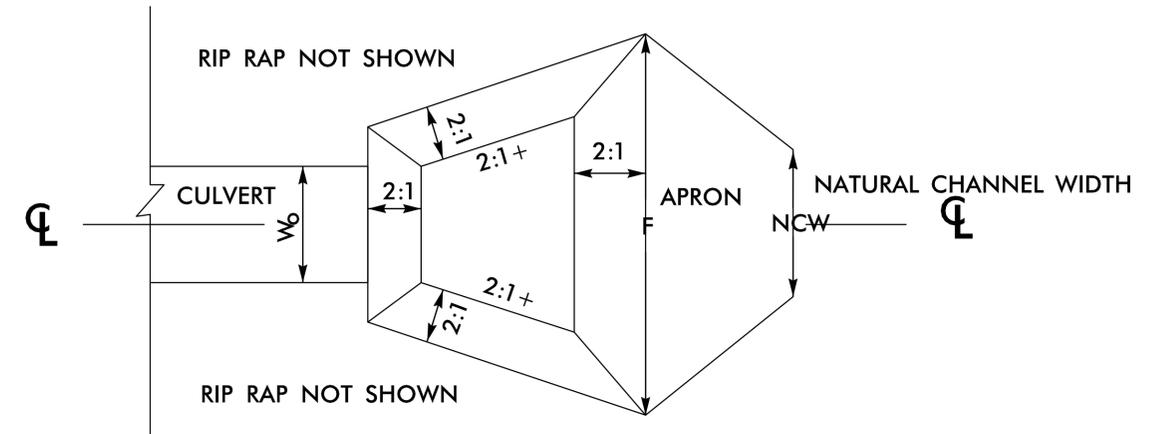
**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

PROJECT REFERENCE NO. <i>1-6001</i>	SHEET NO. <i>57</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER 11/5/2025 NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 15833 JERRY L. LINDSEY

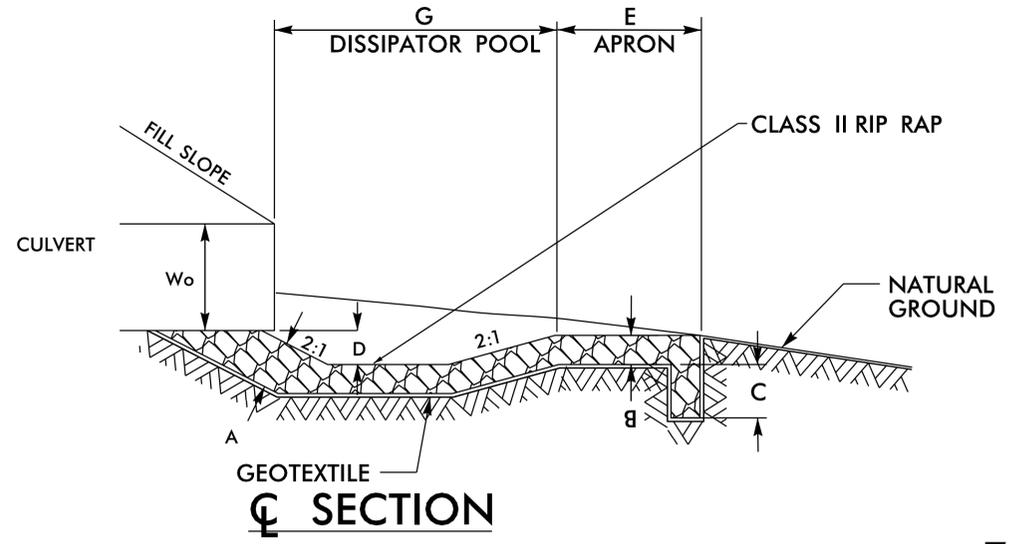
DETAIL 1 RIP-RAPPED ENERGY DISSIPATOR BASIN (CLASS II RIP RAP)

DIM. (ft)	RIP RAP BASIN		
	1	na	na
A	3'	na	na
B	2'	na	na
C	1' MIN.	na	na
D	1' MIN.	na	na
E	3'	na	na
F	11'	na	na
G	9'	na	na

ALL DIMENSIONS APPROXIMATE



PLAN



SECTION

7/08

NOT TO SCALE

REVISIONS

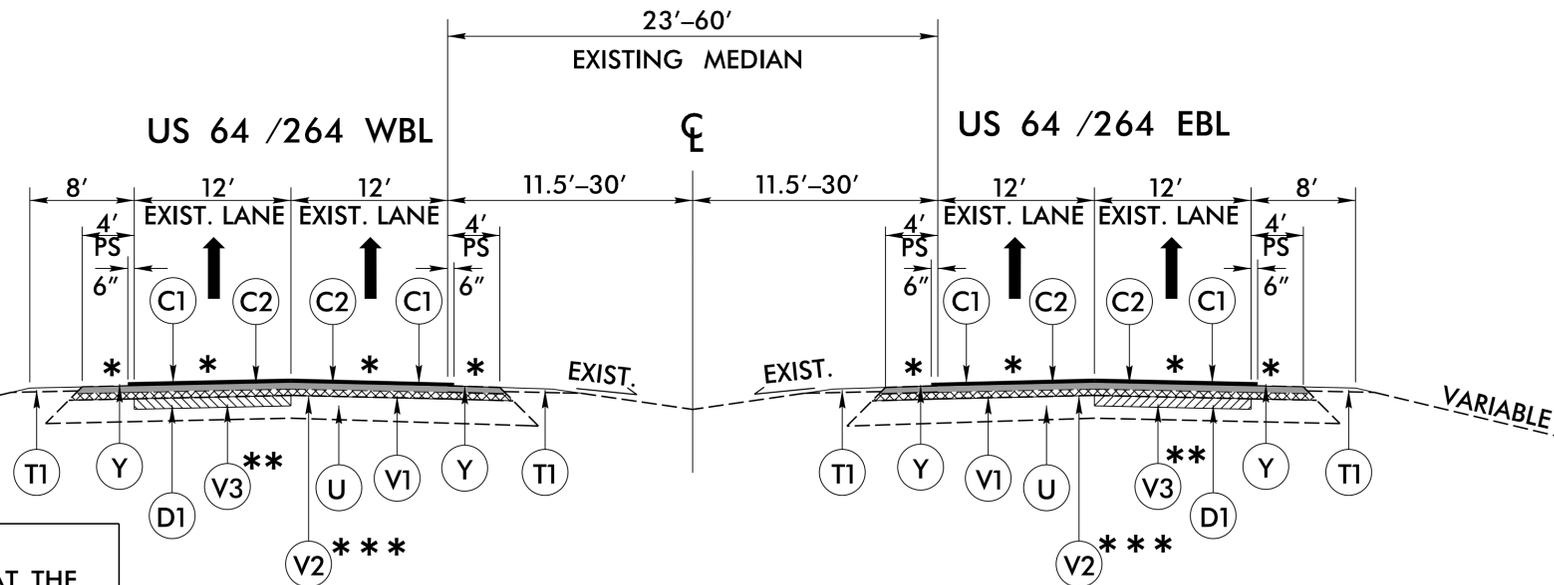
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PAVEMENT SCHEDULE

C1	5/8" ULTRA-THIN BONDED WEARING COURSE AT A RATE OF 70 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E1	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
T2	EARTH MATERIAL
V1	MILL 1.5" OF EXISTING ASPHALT PAVEMENT
V2	MILL 2.25" OF EXISTING ASPHALT PAVEMENT
V3	MILL 2.5" OF EXISTING ASPHALT PAVEMENT
U	EXISTING PAVEMENT
Y	MILLED RUMBLE STRIPS

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.

* MATCH EXISTING CROSS SLOPES
 ** CONTRACTOR SHALL MILL LOCATIONS AS DIRECTED BY THE ENGINEER.

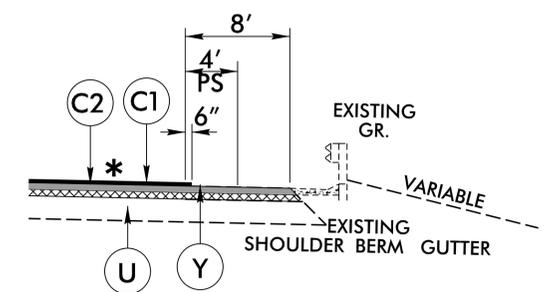


TYPICAL SECTION NO. 1

*** NOTE:
 OPEN GRADED FRICTION COURSE IS PRESENT ON US 64 /264 EB LANES AT THE FOLLOWING LOCATIONS:
 FROM MP 429.268 TO BRIDGE NO. 182 (0.86 MILE)
 FROM BRIDGE NO. 182 TO MP 430.318 (0.16 MILE)
 FROM MP 432.069 TO BRIDGE NO. 198 (1.48 MILES)
 FROM MP 435.229 TO MP 436.901 (1.67 MILES)
 FROM BRIDGE NO. 217 TO MP 439.656 (0.82 MILE)
 FROM MP 440.306 TO MP 440.406 (0.10 MILE)
 FROM MP 440.865 TO MP 441.759 (0.89 MILE)
 OPEN GRADED FRICTION COURSE IS PRESENT ON US 64 /264 WB LANES AT THE FOLLOWING LOCATIONS:
 FROM BRIDGE NO. 990 TO BRIDGE NO. 184 (1.06 MILES)
 FROM BRIDGE NO. 184 TO MP 430.318 (0.16 MILE)
 FROM MP 433.870 TO MP 436.720 (2.85 MILES)
 MILL MINIMUM 2 1/4" DEEP.

USE TYPICAL SECTION NO. 1

MAP 1 US 64 /264 EBL
 MAP 1 US 64 /264 WBL



USE IN CONJUNCTION WITH TYPICAL SECTION NO. 1

MAP 1
 MAP 1 US 64 /264 EBL
 SHOULDER BERM GUTTER SECTION - 1231' +/-

REVISIONS

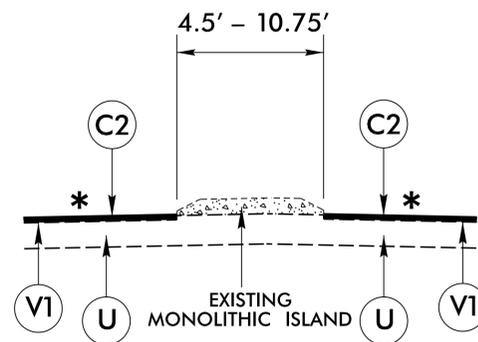
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2/25/2006 Rdu_psh58_Typ.dgn
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PAVEMENT SCHEDULE

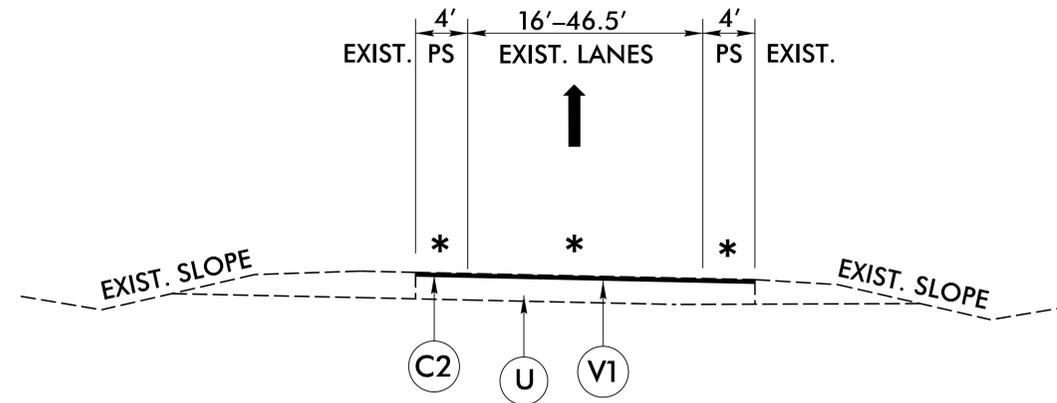
C1	5/8" ULTRA-THIN BONDED WEARING COURSE AT A RATE OF 70 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E1	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
T2	EARTH MATERIAL
V1	MILL 1.5" OF EXISTING ASPHALT PAVEMENT
V2	MILL 2.25" OF EXISTING ASPHALT PAVEMENT
V3	MILL 2.5" OF EXISTING ASPHALT PAVEMENT
U	EXISTING PAVEMENT
Y	MILLED RUMBLE STRIPS

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



USE IN CONJUNCTION WITH TYPICAL SECTION NO. 2

MAP 9 US 64/US 264 WB RAMP
EXISTING CURB & GUTTER SECTION - 155' +/-



* MATCH EXISTING CROSS SLOPES

TYPICAL SECTION NO. 2

USE TYPICAL SECTION NO. 2

- MAP 2 US 64/US 264 WB RAMP
- MAP 3 US 64/US 264 EB RAMP
- MAP 4 US 64/US 264 EB RAMP
- MAP 5 US 64/US 264 EB RAMP
- MAP 6 US 64/US 264 WB RAMP
- MAP 7 US 64/US 264 WB RAMP
- MAP 9 US 64/US 264 WB RAMP
- MAP 10 US 64/US 264 EB RAMP
- MAP 11 US 64/US 264 EB RAMP
- MAP 12 US 264 EB RAMP
- MAP 13 US 64 WB RAMP
- MAP 14 US 64 WB RAMP
- MAP 15 US 64 EB RAMP
- MAP 16 US 64 EB RAMP
- MAP 17 US 64 WB RAMP
- MAP 18 US 64 WB RAMP
- MAP 19 US 64 EB RAMP
- MAP 20 US 64 EB RAMP
- MAP 21 US 64 /264 WB RAMP
- MAP 23 US 64 /264 EB RAMP

8/17/99

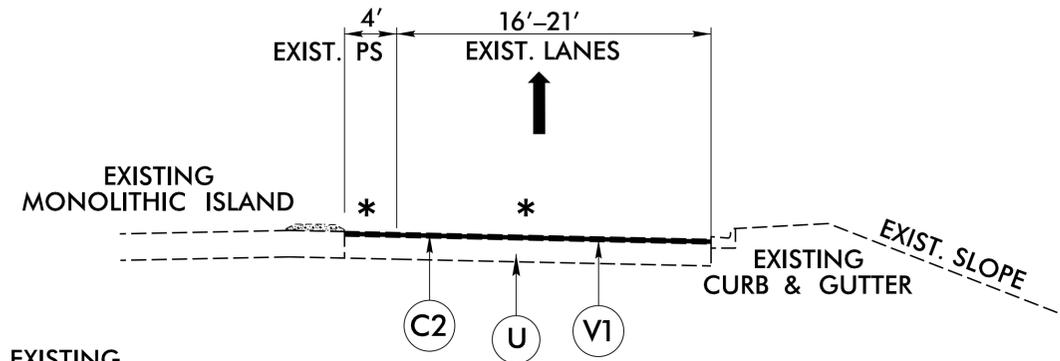
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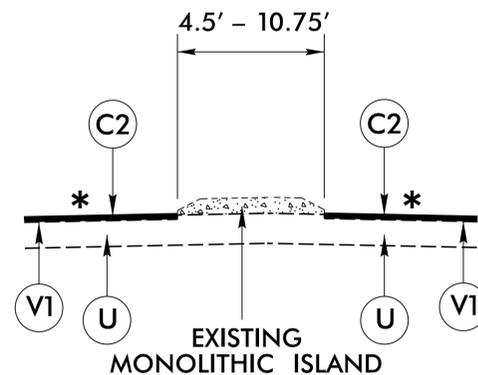
PAVEMENT SCHEDULE

C1	5/8" ULTRA-THIN BONDED WEARING COURSE AT A RATE OF 70 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E1	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
T2	EARTH MATERIAL
V1	MILL 1.5" OF EXISTING ASPHALT PAVEMENT
V2	MILL 2.25" OF EXISTING ASPHALT PAVEMENT
V3	MILL 2.5" OF EXISTING ASPHALT PAVEMENT
U	EXISTING PAVEMENT
Y	MILLED RUMBLE STRIPS

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



TYPICAL SECTION NO. 3



USE IN CONJUNCTION WITH TYPICAL SECTION NO. 3

MAP 8 US 64/US 264 WB LOOP
EXISTING CURB & GUTTER SECTION - 155' +/-

USE TYPICAL SECTION NO. 3

MAP 8 US 64/US 264 WB LOOP
MAP 22 BUS 264 WB LOOP

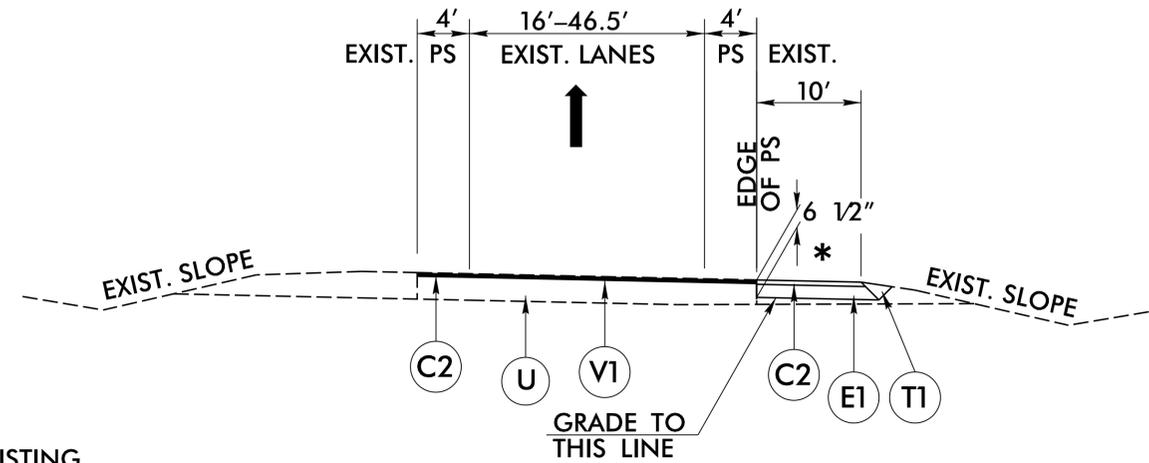
REVISIONS

8/17/99
12/4/2005 Rdu_csh50_Typ.dgn
11/15/2005 Rdu_csh50_Typ.dgn

PAVEMENT SCHEDULE

C1	5/8" ULTRA-THIN BONDED WEARING COURSE AT A RATE OF 70 LBS. PER SQ. YD.
C2	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD.
D1	PROP. APPROX. 2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 285 LBS. PER SQ. YD.
E1	PROP. APPROX. 5" ASPHALT CONCRETE BASE COURSE, TYPE B25.0C, AT AN AVERAGE RATE OF 570 LBS. PER SQ. YD.
T1	SHOULDER RECONSTRUCTION
T2	EARTH MATERIAL
V1	MILL 1.5" OF EXISTING ASPHALT PAVEMENT
V2	MILL 2.25" OF EXISTING ASPHALT PAVEMENT
V3	MILL 2.5" OF EXISTING ASPHALT PAVEMENT
U	EXISTING PAVEMENT
Y	MILLED RUMBLE STRIPS

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.



* MATCH EXISTING CROSS SLOPES

TYPICAL SECTION NO. 4
PAVED SHOULDER WIDENING

USE TYPICAL SECTION NO. 4

MAP 2	US 64US 264 WB RAMP	450 LF	(REVERSE)
MAP 3	US 64US 264 EB RAMP	340 LF	
MAP 4	US 64US 264 EB RAMP	455 LF	
MAP 7	US 64US 264 WB RAMP	322 LF	
MAP 9	US 64US 264 WB RAMP	441 LF	(REVERSE)
MAP 10	US 64US 264 EB RAMP	590 LF	
MAP 11	US 64US 264 EB RAMP	482 LF	
MAP 13	US 64 WB RAMP	250 LF	
MAP 14	US 64 WB RAMP	458 LF	
MAP 16	US 64 EB RAMP	457 LF	
MAP 17	US 64 WB RAMP	267 LF	(REVERSE)
MAP 18	US 64 WB RAMP	461 LF	(REVERSE)
MAP 19	US 64 EB RAMP	446 LF	
MAP 20	US 64 EB RAMP	487 LF	

PAVED SHOULDER WIDENING TYPICAL SECTION NO.4

Note: Approximate quantities only. Unclassified Excavation, and Fine Grading will be paid for at the contract lump sum price for "Grading."

REVISIONS

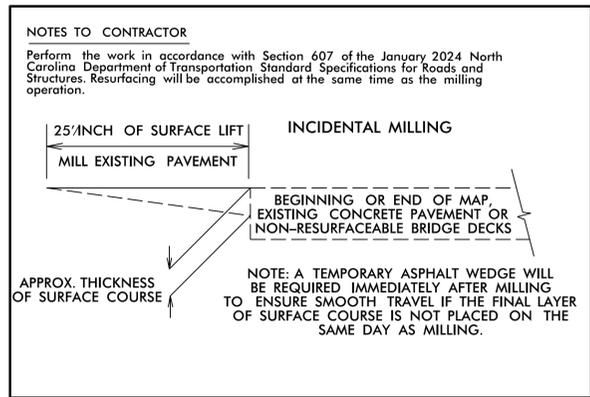
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3/3/2006
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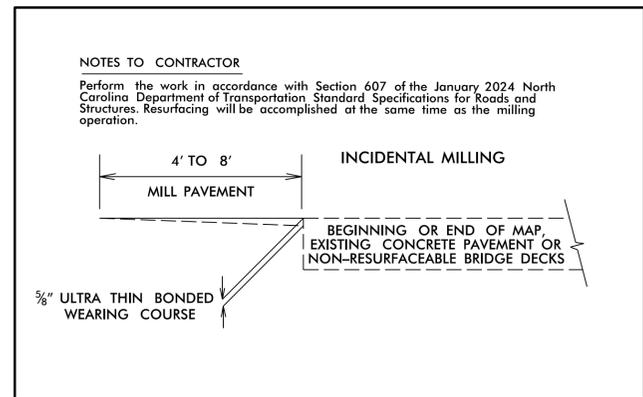
NOTES

ALL PAVED RAMPS /LOOPS TO BE RESURFACED TO THE Y-LINE E.O.P.S. OR AS DIRECTED BY THE ENGINEER.

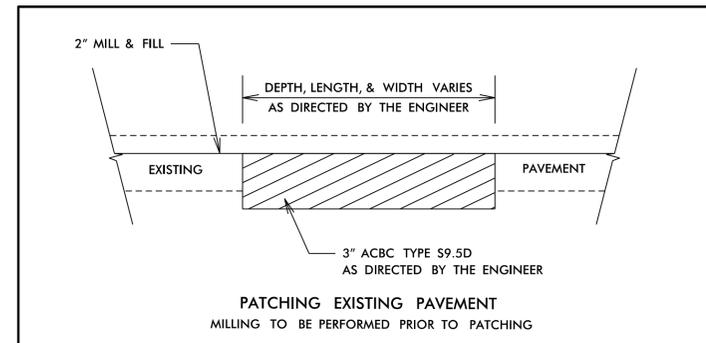
EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.



INCIDENTAL MILLING DETAIL



INCIDENTAL MILLING DETAIL



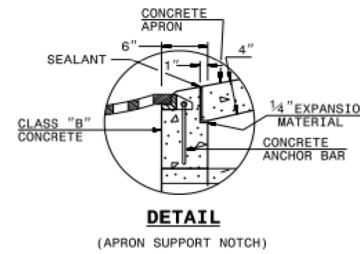
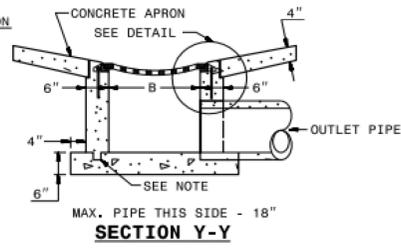
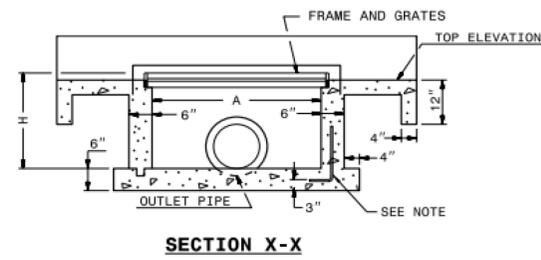
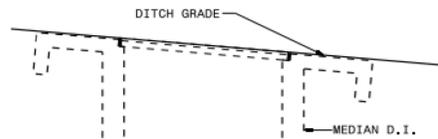
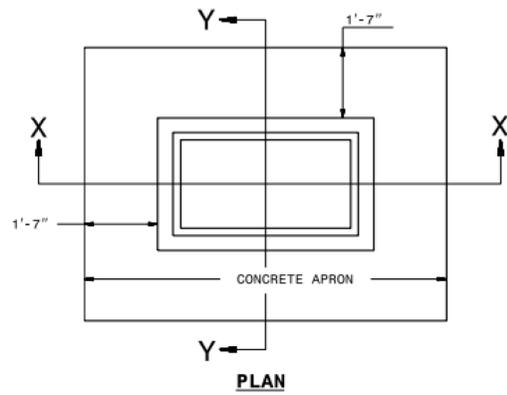
REVISIONS

8/17/99

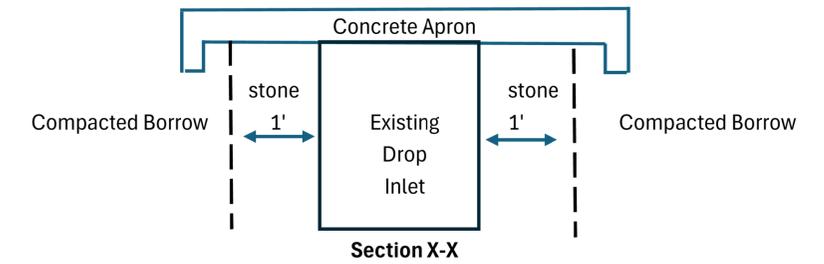
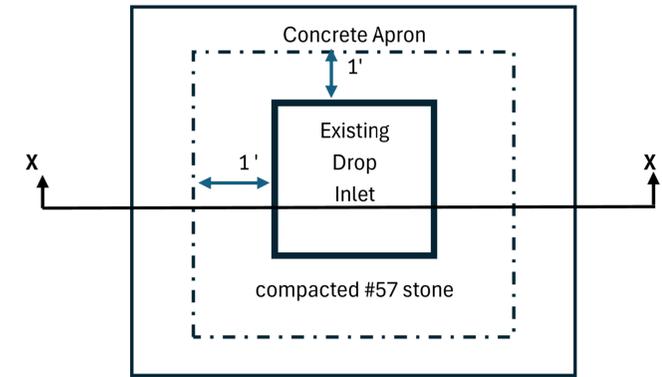
2/25/2006 Rdu_psh62_Typ.dgn
11:51:00 AM

General Notes:

- *Excavate to the base of the existing drainage structure or a maximum of 4 ft. deep .
- *Place compacted #57 stone from the base of the excavation to within 4 inches of the top of the drainage structure a minimum of one foot wide from the drainage structure wall.
- *Refer to Section 840 "Minor Drainage Structures" construction methods in the current NCDOT Standard Specifications for Roads and Bridges



Drop Inlet Wash Out and Apron Replacement

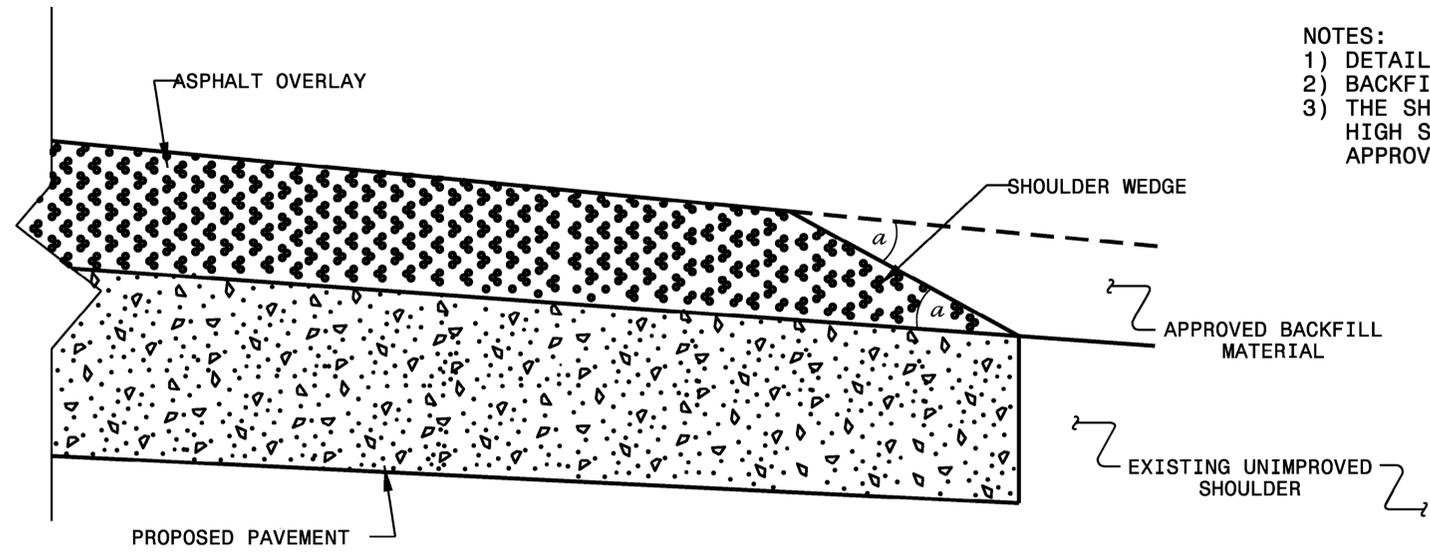


REVISIONS

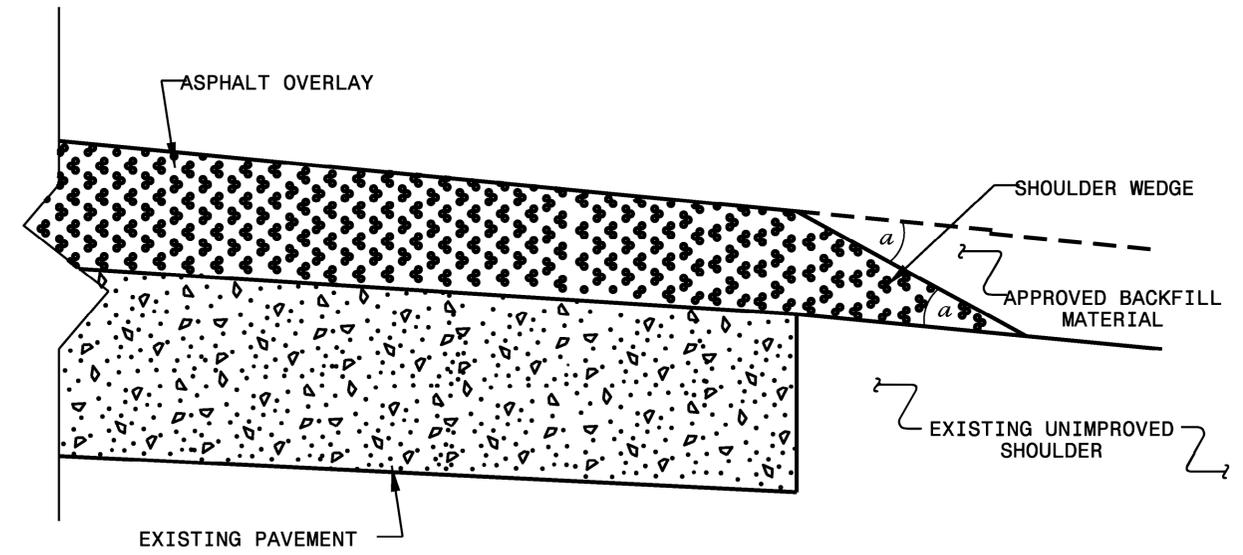
8/17/99

2/25/2006
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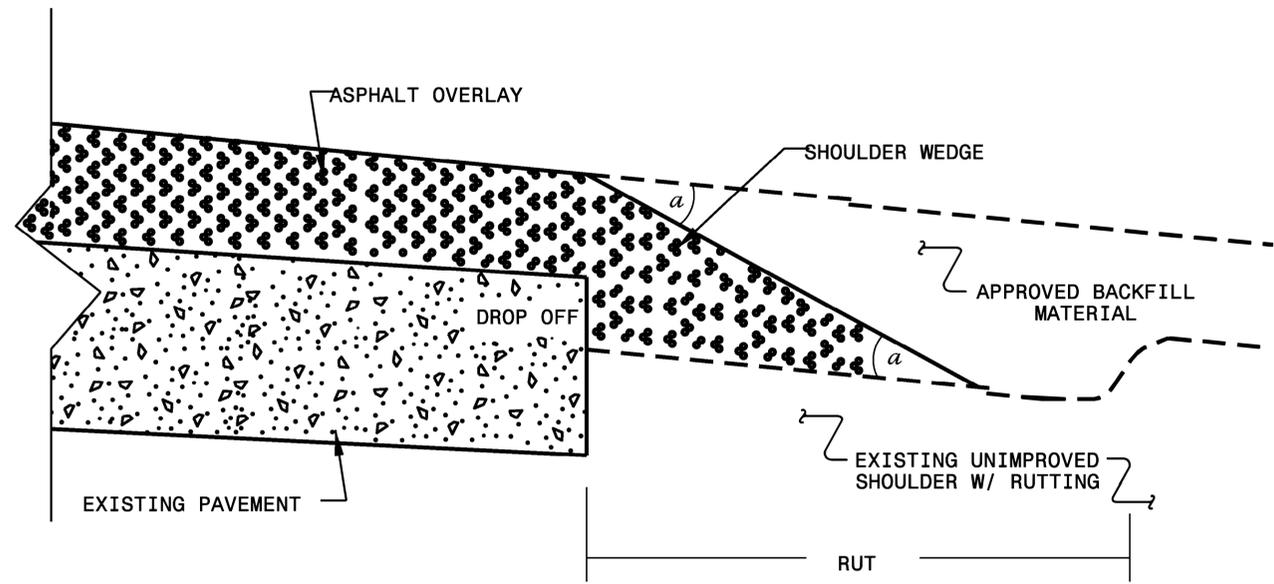
- NOTES:
- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
 - 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
 - 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ Widening or
 with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL
 (Resurfacing Projects w/ NO Widening)

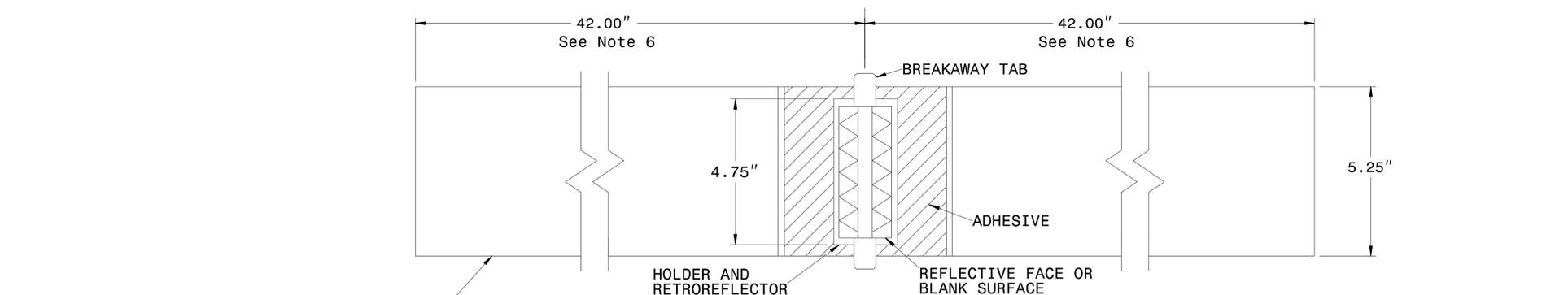


SHOULDER WEDGE DETAIL
 (Resurfacing Adjacent to
 Rutted Shoulder)

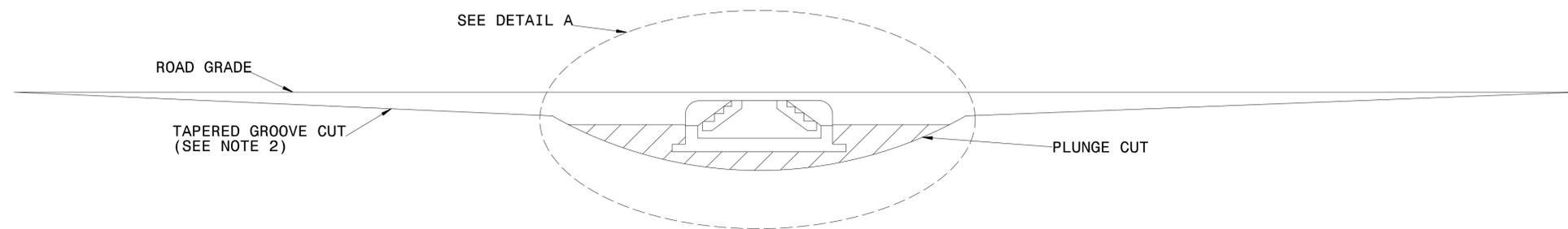
- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
SHOULDER WEDGE DETAILS	
ORIGINAL BY: T. SPELL	DATE: 2-19-11
MODIFIED BY:	DATE: 2/2/16
CHECKED BY:	DATE:
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn	

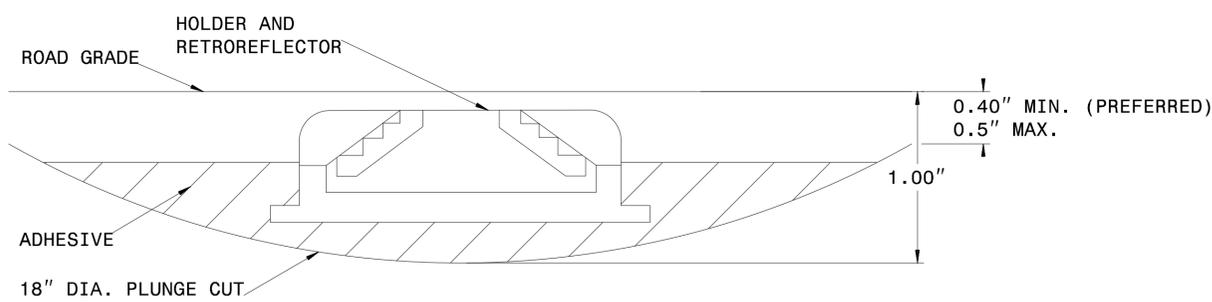
22-JAN-2018 09:41
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 Paper: 11 00 212512



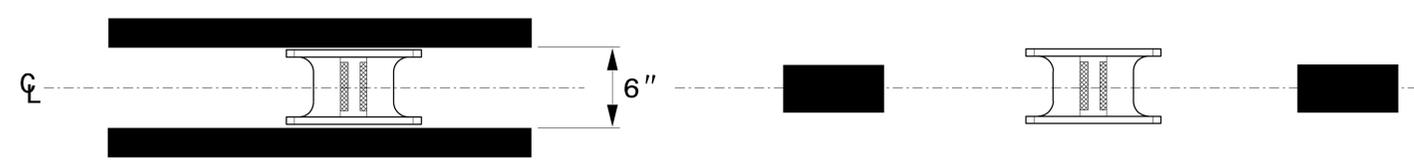
PLAN VIEW - TANGENT SECTIONS



PROFILE VIEW



DETAIL A



MARKER SPACING

NOTES:

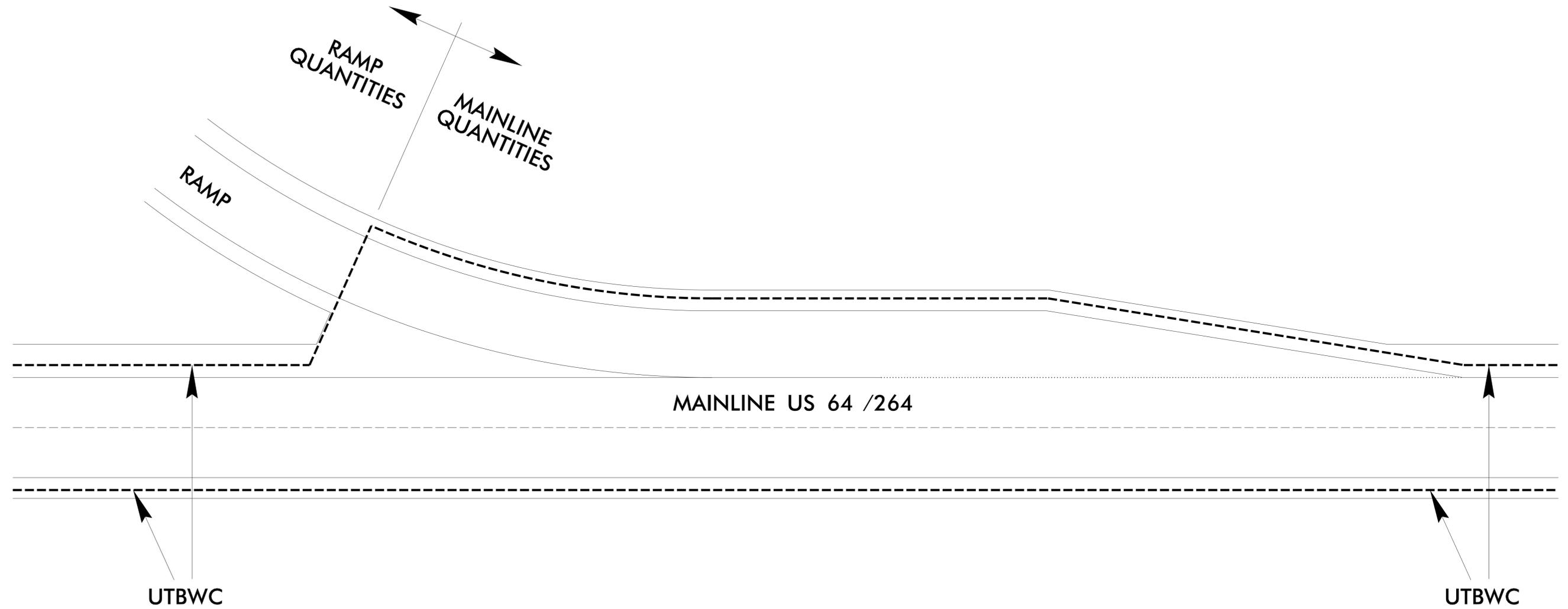
1. ALL GROOVE EDGES SHALL BE AT LEAST 2 INCHES FROM ANY SEAM OR PAVEMENT JOINT
2. GROOVE CUTS MAY BE TAPERED OR BEVELED. TAPERED CUTS SHALL START AT ROAD LEVEL ON EACH END AND TAPER AT A FIXED RATE AS SHOWN ON THE PROFILE VIEW. BEVELED GROOVE CUTS SHALL BE 0.5" MAXIMUM DEPTH (0.4" PREFERRED), AND SHALL BE 0.4" MINIMUM DEPTH AT BOTH ENDS OF THE PLUNGE CUT.
3. GROOVE AND PLUNGE CUT SHALL BE CLEAN AND DRY PRIOR TO PLACEMENT OF ADHESIVE.
4. THE EPOXY ADHESIVE SHALL BE THOROUGHLY MIXED UNTIL IT IS UNIFORM IN COLOR, AND APPLIED IN COLOR, AND APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
5. MARKER SHALL BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH THE BREAKAWAY TABS RESTING ON THE PAVEMENT SURFACE. THE EPOXY SHALL BE FILLED TO THE LEVEL OF THE TOP OF THE MARKER HOLDER. EPOXY SHALL NOT TOUCH THE RETROREFLECTOR.
6. TOTAL GROOVE LENGTH MAY BE SHORTENED TO 54" ON SHARP CURVES IF APPROVED BY THE ENGINEER. GROOVES SHALL NOT OVERLAP WITH LOOP DETECTOR WIRES.



Signed by:
Matthew V. Springer, PE
BC60F6E8B584403...

CONTRACTS STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-8950 FAX 919-250-4119	
DETAIL OF INLAID CRADLE MARKER	
ORIGINAL BY: rgwatson	DATE: 02-06-2024
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC.:	

PAVING LIMITS FOR SEPERATION BETWEEN MAINLINE AND RAMPS
PAVING LIMITS FOR ULTRA-THIN BONDED WEARING COURSE
AT EXIT AND ENTRANCE RAMPS & LOOPS



NOT TO SCALE

5/14/99
PAVING LIMITS FOR OPEN-GRADED FRICTION COURSE.dgn

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	0000400000-N	0043000000-N	0318000000-E	0321000000-E	0546000000-E			0992000000-E	0995000000-E	1220000000-E	1245000000-E	1260000000-E	1264000000-E	1297000000-E			1330000000-E	1491000000-E	1503000000-E	
										CONSTRUCTION SURVEYING	GRADING (226)	FOUNDATION CONDITIONING MATERIAL MINOR STRUCTURES	FOUNDATION CONDITIONING GOETEXTILE	18" CAAP PIPE CULVERTS, 0.075" THICK	24" CAAP PIPE CULVERTS, 0.075" THICK	36" CAAP PIPE CULVERTS, 0.075" THICK	GENERIC PIPE ITEM RESET FLARED END SECTION	PIPE REMOVAL	INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	DITCHING	1-1/2" MILLING	2-1/4" MILLING	2-1/2" MILLING	INCIDENTAL MILLING	BASE COURSE, B25.0C	INTERMEDIATE COURSE, I19.0C	
								MI	FT	LS	LS	TON	SY	LF	LF	LF	EA	LF	TONS	SMI	TON	LF	SY	SY	SY	SY	TONS	TONS	
I-6001	Wake	1	US-64 / US-264	FROM BUS 64 TO NASH COUNTY LINE	1	2	2WD	13.380	144	1.00	0.80	10.00	20.00	4.00	40.00	12.00	1.00	38.00	1,330	54.00	4,914	7,300	393,999	193,274	7,050	9,239		1,054	
TOTAL FOR MAP NO. 1								13.380		1.00	0.80	10.00	20.00	4.00	40.00	12.00	1.00	38.00	1,330	54.00	4,914	7,300	393,999	193,274	7,050	9,239		1,054	
I-6001	Wake	2	US 64/US 264 WB RAMP		2,4	1		0.180	24		0.02								9	0.36	34					198	150		
TOTAL FOR MAP NO. 2								0.180			0.02										9	0.36	34					198	150
I-6001	Wake	3	US 64/US 264 EB RAMP		2,4	1		0.135	24		0.01								7	0.27	25					134	114		
TOTAL FOR MAP NO. 3								0.135			0.01										7	0.27	25					134	114
I-6001	Wake	4	US 64/US 264 EB RAMP		2,4	1		0.151	24		0.01								8	0.30	28					244	151		
TOTAL FOR MAP NO. 4								0.151			0.01										8	0.30	28					244	151
I-6001	Wake	5	US 64/US 264 EB RAMP		2	1		0.154	24										8	0.31	29					269			
TOTAL FOR MAP NO. 5								0.154				0.00									8	0.31	29					269	
I-6001	Wake	6	US 64/US 264 WB RAMP		2	1		0.134	24										7	0.27	25					181			
TOTAL FOR MAP NO. 6								0.134				0.00									7	0.27	25					181	
I-6001	Wake	7	US 64/US 264 WB RAMP		2,4	1		0.187	24		0.02								10	0.37	35					143	108		
TOTAL FOR MAP NO. 7								0.187			0.02										10	0.37	35					143	108
I-6001	Wake	8	US 64/US 264 WB LOOP		3	1		0.096	21										2	0.10	10					89			
TOTAL FOR MAP NO. 8								0.096			0.00										2	0.10	10					89	
I-6001	Wake	9	US 64/US 264 WB RAMP		2,4	1		0.193	24		0.02								10	0.39	36					112	147		
TOTAL FOR MAP NO. 9								0.193			0.02										10	0.39	36					112	147
I-6001	Wake	10	US 64/US 264 EB RAMP		2,4	1		0.167	24		0.01								9	0.33	31					102	197		
TOTAL FOR MAP NO. 10								0.167			0.01										9	0.33	31					102	197
I-6001	Wake	11	US 64/US 264 EB RAMP		2,4	1		0.122	24		0.01								6	0.24	23					134	161		
TOTAL FOR MAP NO. 11								0.122			0.01										6	0.24	23					134	161
I-6001	Wake	12	US 264 EB RAMP		2	1		0.338	24										17	0.68	63					134			
TOTAL FOR MAP NO. 12								0.338				0.00									17	0.68	63					134	
I-6001	Franklin	13	US 64 WB RAMP		2,4	1		0.168	24		0.01								9	0.34	31					174	84		
TOTAL FOR MAP NO. 13								0.168			0.01										9	0.34	31					174	84
I-6001	Franklin	14	US 64 WB RAMP		2,4	1		0.195	24		0.02								10	0.39	36					144	154		
TOTAL FOR MAP NO. 14								0.195			0.02										10	0.39	36					144	154
I-6001	Franklin	15	US 64 EB RAMP		2	1		0.164	24										8	0.33	31					154			
TOTAL FOR MAP NO. 15								0.164			0.00										8	0.33	31					154	
I-6001	Franklin	16	US 64 EB RAMP		2,4	1		0.197	24		0.01								10	0.39	37					134	151		
TOTAL FOR MAP NO. 16								0.197			0.01										10	0.39	37					134	151
I-6001	Franklin	17	US 64 WB RAMP		2,4	1		0.142	24		0.01								7	0.28	27					190	89		
TOTAL FOR MAP NO. 17								0.142			0.01										7	0.28	27					190	89
I-6001	Franklin	18	US 64 WB RAMP		2,4	1		0.193	24		0.03								10	0.39	36					134	152		
TOTAL FOR MAP NO. 18								0.193			0.03										10	0.39	36					134	152
I-6001	Franklin	19	US 64 EB RAMP		2,4	1		0.157	24		0.01								8	0.31	29					207	149		
TOTAL FOR MAP NO. 19								0.157			0.01										8	0.31	29					207	149
I-6001	Franklin	20	US 64 EB RAMP		2,4	1		0.200	24		0.01								5	0.20	19					134	161		
TOTAL FOR MAP NO. 20								0.200			0.01										5	0.20	19					134	161
I-6001	Wake	21	US 64/US 264 WB RAMP		2	2	2WU	0.289	31										15	0.58	54					171			
TOTAL FOR MAP NO. 21								0.289			0.00										15	0.58	54					171	
					3	1		0.181	25										9	0.36	34					131			
TOTAL FOR MAP NO. 22								0.181			0.00									9	0.36	34					131		
I-6001	Wake	23	US 64/US 264 EB RAMP		2	1		0.132	29										7	0.26	25					163			
TOTAL FOR MAP NO. 23								0.132			0.00									7	0.26	25					163		
TOTAL FOR PROJ NO. I-6001								17.255		1.00	1.00	10.00	20.00	4.00	40.00	12.00	1.00	38.00	1,521	61.45	5,612	7,300	448,246	193,274	7,050	12,715	1,968	1,054	
GRAND TOTAL								17.255		1.00	1.00	10.00	20.00	4.00	40.00	12.00	1.00	38.00	1,521	61.45	5,612	7,300	448,246	193,274	7,050	12,715	1,968	1,054	

REVISIONS

8/17/99

2/26/2026
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 User: PSH

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	1524200000-E	1575000000-E	1577000000-E	1704000000-E	1839140000-E	1841000000-E	2253000000-E	2286000000-N	2308000000-E	2396000000-N	2472000000-N	2484000000-E				2489000000-E	3001000000-N	3030000000-E	3150000000-N	3210000000-N					
										SURFACE COURSE, \$9.5D	ASPHALT BINDER FOR PLANT MIX	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	ULTRA-THIN BONDED WEARING COURSE	MILLED RUMBLE STRIPS (ASPHALT CONCRETE), (16")	PIPE COLLAR	MASONRY DRAINAGE STRUCTURES	MASONRY DRAINAGE STRUCTURES	FRAME WITH COVER, STD 840.54	GENERIC DRAINAGE ITEM, DRAINAGE STRUCTURE CLEAN-OUT	GENERIC DRAINAGE ITEM, CLEAR EXISTING SHOULDER BERM GUTTER	GENERIC DRAINAGE ITEM, CONCRETE DITCH CLEAN OUT	GENERIC DRAINAGE ITEM, SHOULDER DRAIN CLEAN OUT	GENERIC DRAINAGE ITEM, REMOVE AND REPLACE CONCRETE APRON FOR DROP INLET	IMPACT ATTENUATOR UNITS, TYPE TL-3	STEEL BEAM GUARDRAIL	ADDITIONAL GUARDRAIL POSTS	GUARDRAIL END UNITS TYPE CAT-1						
								MI	FT	TON	TON	TON	TONS	TONS	LF	CY	EA	LF	EA	EA	LF	LF	EA	SY	EA	LF	EA	EA	EA					
I-6001	Wake	1	US-64 / US-264	FROM BUS 64 TO NASH COUNTY LINE	1	2	2WD	13.380	144	55,185	55	4,095	8	17,810	282,567	0.56	2.00	10.65	2.00	20.00	9,855.00	14,500.00	134.00	22.50	6.00	40,687.50	10.00	36.00						
TOTAL FOR MAP NO. 1									13.380	144	55,185	55	4,095	8	17,810	282,567	0.56	2.00	10.65	2.00	20.00	9,855.00	14,500.00	134.00	22.50	6.00	40,687.50	10.00	36.00					
I-6001	Wake	2	US 64/US 264 WB RAMP		2,4	1		0.180	24	278	7	16			50																			
TOTAL FOR MAP NO. 2									0.180	24	278	7	16		50																			
I-6001	Wake	3	US 64/US 264 EB RAMP		2,4	1		0.135	24	186	6	11																						
TOTAL FOR MAP NO. 3									0.135	24	186	6	11																					
I-6001	Wake	4	US 64/US 264 EB RAMP		2,4	1		0.151	24	245	7	14			50																			
TOTAL FOR MAP NO. 4									0.151	24	245	7	14		50																			
I-6001	Wake	5	US 64/US 264 EB RAMP		2	1		0.154	24	204		12																						
TOTAL FOR MAP NO. 5									0.154	24	204		12																					
I-6001	Wake	6	US 64/US 264 WB RAMP		2	1		0.134	24	170		10			50																			
TOTAL FOR MAP NO. 6									0.134	24	170		10		50																			
I-6001	Wake	7	US 64/US 264 WB RAMP		2,4	1		0.187	24	254	5	15																						
TOTAL FOR MAP NO. 7									0.187	24	254	5	15																					
I-6001	Wake	8	US 64/US 264 WB LOOP		3	1		0.096	21	98		6			50																			
TOTAL FOR MAP NO. 8									0.096	21	98		6		50																			
I-6001	Wake	9	US 64/US 264 WB RAMP		2,4	1		0.193	24	279	7	16																						
TOTAL FOR MAP NO. 9									0.193	24	279	7	16																					
I-6001	Wake	10	US 64/US 264 EB RAMP		2,4	1		0.167	24	264	9	15			50																			
TOTAL FOR MAP NO. 10									0.167	24	264	9	15		50																			
I-6001	Wake	11	US 64/US 264 EB RAMP		2,4	1		0.122	24	200	8	12																						
TOTAL FOR MAP NO. 11									0.122	24	200	8	12																					
I-6001	Wake	12	US 264 EB RAMP		2	1		0.338	24	420		24			50																			
TOTAL FOR MAP NO. 12									0.338	24	420		24		50																			
I-6001	Franklin	13	US 64 WB RAMP		2,4	1		0.168	24	228	4	13			50																			
TOTAL FOR MAP NO. 13									0.168	24	228	4	13		50																			
I-6001	Franklin	14	US 64 WB RAMP		2,4	1		0.195	24	288	7	17																						
TOTAL FOR MAP NO. 14									0.195	24	288	7	17																					
I-6001	Franklin	15	US 64 EB RAMP		2	1		0.164	24	206		12			50																			
TOTAL FOR MAP NO. 15									0.164	24	206		12		50																			
I-6001	Franklin	16	US 64 EB RAMP		2,4	1		0.197	24	284	7	16																						
TOTAL FOR MAP NO. 16									0.197	24	284	7	16																					
I-6001	Franklin	17	US 64 WB RAMP		2,4	1		0.142	24	207	5	12			50																			
TOTAL FOR MAP NO. 17									0.142	24	207	5	12		50																			
I-6001	Franklin	18	US 64 WB RAMP		2,4	1		0.193	24	284	7	16																						
TOTAL FOR MAP NO. 18									0.193	24	284	7	16																					
I-6001	Franklin	19	US 64 EB RAMP		2,4	1		0.157	24	250	7	15			50																			
TOTAL FOR MAP NO. 19									0.157	24	250	7	15		50																			
I-6001	Franklin	20	US 64 EB RAMP		2,4	1		0.200	24	248	8	14																						
TOTAL FOR MAP NO. 20									0.200	24	248	8	14																					
I-6001	Wake	21	US 64/US 264 WB RAMP		2	2	2WU	0.289	31	474		27																						
TOTAL FOR MAP NO. 21									0.289	31	474		27																					
	Wake	22	US-64 BUS WB LOOP		3	1		0.181	25	225		13																						
TOTAL FOR MAP NO. 22									0.181	25	225		13																					
I-6001	Wake	23	US 64/US 264 EB RAMP		2	1		0.132	29	197		11																						
TOTAL FOR MAP NO. 23									0.132	29	197		11																					
TOTAL FOR PROJ NO. I-6001									17.255	60,674	149	4,412	8	17,810	283,067	0.56	2.00	10.65	2.00	20.00	9,855.00	14,500.00	134.00	22.50	6.00	41,650.00	10.00	37.00						
GRAND TOTAL									17.255	60,674	149	4,412	8	17,810	283,067	0.56	2.00	10.65	2.00	20.00	9,855.00	14,500.00	134.00	22.50	6.00	41,650.00	10.00	37.00						

REVISIONS

8/17/99

3/3/2026
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User: PSH

SUMMARY OF QUANTITIES

REVISIONS

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	3215000000-N	3287000000-N	3319000000-N	3360000000-E	3628000000-E	3635000000-E	3656000000-E	4072000000-E	4102000000-N	4108000000-N	4109000000-N	4109000000-N	4110000000-N	4110000000-N	4114000000-N	4116100000-N	4192000000-N	4234000000-N	4236000000-N						
										GUARDRAIL ANCHOR UNITS, TYPE III	GUARDRAIL END UNITS, TYPE GREU TL-3	GUARDRAIL ANCHOR UNITS, TYPE B-83	REMOVE EXISTING GUARDRAIL	RIP RAP, CLASS I	RIP RAP, CLASS II	GEOTEXTILE FOR DRAINAGE	SUPPORTS, 3-LB STEEL U-CHANNEL	SIGN ERECTION, TYPE E	SIGN ERECTION, TYPE F	SIGN ERECTION, TYPE A (OVERHEAD)	SIGN ERECTION, TYPE B (OVERHEAD)	SIGN ERECTION, TYPE A (GROUND MOUNTED)	SIGN ERECTION, TYPE B (GROUND MOUNTED)	SIGN ERECTION, MILEMARKERS	SIGN ERECTION, RELOCATE TYPE D (GROUND MOUNTED)	DISPOSAL OF SUPPORT, U-CHANNEL	DISPOSAL OF SIGN, A OR B (OVERHEAD)	DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)						
									MI	FT	EA	EA	EA	LF	TONS	TON	SY	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA						
I-6001	Wake	1	US-64 / US-264	FROM BUS 64 TO NASH COUNTY LINE	1	2	2WD	13.380	144	16.00	45.00	3.00	43,954.00	106	478	1,200.00	1,200.00	29.00	5.00	11.00	10.00	29.00	14.00	26.00	1.00	87.00	21.00	43.00						
TOTAL FOR MAP NO. 1									13.380		16.00	45.00	3.00	43,954.00	106	478	1,200.00	1,200.00	29.00	5.00	11.00	10.00	29.00	14.00	26.00	1.00	87.00	21.00	43.00					
I-6001	Wake	2	US 64/US 264 WB RAMP		2,4	1		0.180	24																									
TOTAL FOR MAP NO. 2									0.180																									
I-6001	Wake	3	US 64/US 264 EB RAMP		2,4	1		0.135	24																									
TOTAL FOR MAP NO. 3									0.135																									
I-6001	Wake	4	US 64/US 264 EB RAMP		2,4	1		0.151	24																									
TOTAL FOR MAP NO. 4									0.151																									
I-6001	Wake	5	US 64/US 264 EB RAMP		2	1		0.154	24																									
TOTAL FOR MAP NO. 5									0.154																									
I-6001	Wake	6	US 64/US 264 WB RAMP		2	1		0.134	24																									
TOTAL FOR MAP NO. 6									0.134																									
I-6001	Wake	7	US 64/US 264 WB RAMP		2,4	1		0.187	24																									
TOTAL FOR MAP NO. 7									0.187																									
I-6001	Wake	8	US 64/US 264 WB LOOP		3	1		0.096	21																									
TOTAL FOR MAP NO. 8									0.096																									
I-6001	Wake	9	US 64/US 264 WB RAMP		2,4	1		0.193	24																									
TOTAL FOR MAP NO. 9									0.193																									
I-6001	Wake	10	US 64/US 264 EB RAMP		2,4	1		0.167	24																									
TOTAL FOR MAP NO. 10									0.167																									
I-6001	Wake	11	US 64/US 264 EB RAMP		2,4	1		0.122	24																									
TOTAL FOR MAP NO. 11									0.122																									
I-6001	Wake	12	US 264 EB RAMP		2	1		0.338	24																									
TOTAL FOR MAP NO. 12									0.338																									
I-6001	Franklin	13	US 64 WB RAMP		2,4	1		0.168	24																									
TOTAL FOR MAP NO. 13									0.168																									
I-6001	Franklin	14	US 64 WB RAMP		2,4	1		0.195	24																									
TOTAL FOR MAP NO. 14									0.195																									
I-6001	Franklin	15	US 64 EB RAMP		2	1		0.164	24																									
TOTAL FOR MAP NO. 15									0.164																									
I-6001	Franklin	16	US 64 EB RAMP		2,4	1		0.197	24																									
TOTAL FOR MAP NO. 16									0.197																									
I-6001	Franklin	17	US 64 WB RAMP		2,4	1		0.142	24																									
TOTAL FOR MAP NO. 17									0.142																									
I-6001	Franklin	18	US 64 WB RAMP		2,4	1		0.193	24																									
TOTAL FOR MAP NO. 18									0.193																									
I-6001	Franklin	19	US 64 EB RAMP		2,4	1		0.157	24																									
TOTAL FOR MAP NO. 19									0.157																									
I-6001	Franklin	20	US 64 EB RAMP		2,4	1		0.200	24																									
TOTAL FOR MAP NO. 20									0.200																									
I-6001	Wake	21	US 64/US 264 WB RAMP		2	2	2WU	0.289	31																									
TOTAL FOR MAP NO. 21									0.289																									
I-6001	Wake	22	US-64 BUS WB LOOP		3	1		0.181	25																									
TOTAL FOR MAP NO. 22									0.181																									
I-6001	Wake	23	US 64/US 264 EB RAMP		2	1		0.132	29																									
TOTAL FOR MAP NO. 23									0.132																									
TOTAL FOR PROJ NO. I-6001									17.255		16.00	46.00	3.00	43,954.00	106	478	1,200.00	1,200.00	29.00	5.00	11.00	10.00	29.00	14.00	26.00	1.00	87.00	21.00	43.00					
GRAND TOTAL									17.255		16.00	46.00	3.00	43,954.00	106	478	1,200.00	1,200.00	29.00	5.00	11.00	10.00	29.00	14.00	26.00	1.00	87.00	21.00	43.00					

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SUMMARY OF QUANTITIES

REVISIONS

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4238000000-N	4238500000-N	4251000000-N	4263000000-N	4360000000-N	4600000000-N					6000000000-E	6006000000-E	6009000000-E	6012000000-E	6015000000-E	6018000000-E	6021000000-E	6024000000-E	6029000000-E	6030000000-E				
										DISPOSAL OF SIGN, D, E, OR F	DISPOSAL OF SIGN, MILEMARKER	DISPOSAL OF LIGHTING SYSTEM	DISPOSAL OF WALKWAY	CUTTING OF SIGN HANGERS, OVERHEAD	GENERIC TRAFFIC CONTROL ITEM, CONNECTED LANE CLOSURE SYSTEM	GENERIC TRAFFIC CONTROL ITEM, SINGLE LANE CLOSURE	GENERIC TRAFFIC CONTROL ITEM, DOUBLE LANE CLOSURE	GENERIC TRAFFIC CONTROL ITEM, TRIPLE LANE CLOSURE	GENERIC TRAFFIC CONTROL ITEM, RAMP/LOOP CLOSURES	TEMPORARY SILT FENCE	EROSION CONTROL STONE, CLASS A	EROSION CONTROL STONE, CLASS B	SEDIMENT CONTROL STONE	TEMPORARY MULCHING	SEED FOR TEMPORARY SEEDING	FERTILIZER FOR TEMPORARY SEEDING	TEMPORARY SLOPE DRAINS	SAFETY FENCE	SILT EXCAVATION				
								MI	FT	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	LF	TON	TON	TON	AC	LB	TON	LF	LF	CY			
I-6001	Wake	1	US-64 / US-264	FROM BUS 64 TO NASH COUNTY LINE	1	2	2WD	13.380	144	36.00	7.00	11.00	11.00	11.00	2.00	261	4	3	24	815	115	50	105	0.50	100.00	0.50	200.00	395.00	80				
TOTAL FOR MAP NO. 1									13.380		36.00	7.00	11.00	11.00	11.00	2.00	261	4	3	24	815	115	50	105	0.50	100.00	0.50	200.00	395.00	80			
I-6001	Wake	2	US 64/US 264 WB RAMP		2,4	1		0.180	24																								
TOTAL FOR MAP NO. 2									0.180																								
I-6001	Wake	3	US 64/US 264 EB RAMP		2,4	1		0.135	24																								
TOTAL FOR MAP NO. 3									0.135																								
I-6001	Wake	4	US 64/US 264 EB RAMP		2,4	1		0.151	24																								
TOTAL FOR MAP NO. 4									0.151																								
I-6001	Wake	5	US 64/US 264 EB RAMP		2	1		0.154	24																								
TOTAL FOR MAP NO. 5									0.154																								
I-6001	Wake	6	US 64/US 264 WB RAMP		2	1		0.134	24																								
TOTAL FOR MAP NO. 6									0.134																								
I-6001	Wake	7	US 64/US 264 WB RAMP		2,4	1		0.187	24																								
TOTAL FOR MAP NO. 7									0.187																								
I-6001	Wake	8	US 64/US 264 WB LOOP		3	1		0.096	21																								
TOTAL FOR MAP NO. 8									0.096																								
I-6001	Wake	9	US 64/US 264 WB RAMP		2,4	1		0.193	24																								
TOTAL FOR MAP NO. 9									0.193																								
I-6001	Wake	10	US 64/US 264 EB RAMP		2,4	1		0.167	24																								
TOTAL FOR MAP NO. 10									0.167																								
I-6001	Wake	11	US 64/US 264 EB RAMP		2,4	1		0.122	24																								
TOTAL FOR MAP NO. 11									0.122																								
I-6001	Wake	12	US 264 EB RAMP		2	1		0.338	24																								
TOTAL FOR MAP NO. 12									0.338																								
I-6001	Franklin	13	US 64 WB RAMP		2,4	1		0.168	24																								
TOTAL FOR MAP NO. 13									0.168																								
I-6001	Franklin	14	US 64 WB RAMP		2,4	1		0.195	24																								
TOTAL FOR MAP NO. 14									0.195																								
I-6001	Franklin	15	US 64 EB RAMP		2	1		0.164	24																								
TOTAL FOR MAP NO. 15									0.164																								
I-6001	Franklin	16	US 64 EB RAMP		2,4	1		0.197	24																								
TOTAL FOR MAP NO. 16									0.197																								
I-6001	Franklin	17	US 64 WB RAMP		2,4	1		0.142	24																								
TOTAL FOR MAP NO. 17									0.142																								
I-6001	Franklin	18	US 64 WB RAMP		2,4	1		0.193	24																								
TOTAL FOR MAP NO. 18									0.193																								
I-6001	Franklin	19	US 64 EB RAMP		2,4	1		0.157	24																								
TOTAL FOR MAP NO. 19									0.157																								
I-6001	Franklin	20	US 64 EB RAMP		2,4	1		0.200	24																								
TOTAL FOR MAP NO. 20									0.200																								
I-6001	Wake	21	US 64/US 264 WB RAMP		2	2	2WU	0.289	31																								
TOTAL FOR MAP NO. 21									0.289																								
I-6001	Wake	22	US-64 BUS WB LOOP		3	1		0.181	25																								
TOTAL FOR MAP NO. 22									0.181																								
I-6001	Wake	23	US 64/US 264 EB RAMP		2	1		0.132	29																								
TOTAL FOR MAP NO. 23									0.132																								
TOTAL FOR PROJ NO. I-6001									17.255		36.00	7.00	11.00	11.00	11.00	2.00	261	4	3	24	815	115	50	105	0.50	100.00	0.50	200.00	395.00	80			
GRAND TOTAL									17.255		36.00	7.00	11.00	11.00	11.00	2.00	261	4	3	24	815	115	50	105	0.50	100.00	0.50	200.00	395.00	80			

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SUMMARY OF QUANTITIES

REVISIONS

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	6036000000-E	6037000000-E	6042000000-E	6070000000-N	6071013000-E	6084000000-E	6087000000-E	6090000000-E	6093000000-E	6096000000-E	6108000000-E	6110000000-E	6114500000-N	6114800000-N	6114900000-E	6117000000-N	6117500000-N	6132000000-N	7444000000-E	7456100000-E										
										MATTING FOR EROSION CONTROL	COIR FIBER MAT	1/4" HARDWARE CLOTH	SPECIAL STILLING BASINS	WATTLE BARRIER	SEED & MULCHING	MOWING	SEED FOR REPAIR SEEDING	FERTILIZER FOR REPAIR SEEDING	SEED FOR SUPPLEMENTAL SEEDING	FERTILIZER TOPDRESSING	IMPERVIOUS DIKE	SPECIALIZED HAND MOWING	MANUAL LITTER REMOVAL	LITTER DISPOSAL	RESPONSE FOR EROSION CONTROL	CONCRETE WASHOUT STRUCTURE	PREFABRICATED CONCRETE WASHOUT	INDUCTIVE LOOP SAWCUT	LEAD-IN CABLE (14-2)										
									MI	FT	SY	SY	LF	EA	LF	AC	AC	LB	TONS	LB	TONS	LF	MHR	MHR	TONS	EA	EA	EA	LF	LF									
I-6001	Wake	1	US-64 / US-264	FROM BUS 64 TO NASH COUNTY LINE	1	2	2WD	13.380	144	2,000.00	100.00	115.00	3.00	260	0.50	0.50	50.00	0.25	50.00	0.25	38.00	10	1.00	19	25	1.00	5.00												
TOTAL FOR MAP NO. 1									13.380		2,000.00	100.00	115.00	3.00	260	0.50	0.50	50.00	0.25	50.00	0.25	38.00	10	1.00	19	25	1.00	5.00											
I-6001	Wake	2	US 64/US 264 WB RAMP		2,4	1		0.180	24																														
TOTAL FOR MAP NO. 2									0.180																														
I-6001	Wake	3	US 64/US 264 EB RAMP		2,4	1		0.135	24																														
TOTAL FOR MAP NO. 3									0.135																														
I-6001	Wake	4	US 64/US 264 EB RAMP		2,4	1		0.151	24																														
TOTAL FOR MAP NO. 4									0.151																														
I-6001	Wake	5	US 64/US 264 EB RAMP		2	1		0.154	24																														
TOTAL FOR MAP NO. 5									0.154																														
I-6001	Wake	6	US 64/US 264 WB RAMP		2	1		0.134	24																														
TOTAL FOR MAP NO. 6									0.134																														
I-6001	Wake	7	US 64/US 264 WB RAMP		2,4	1		0.187	24																														
TOTAL FOR MAP NO. 7									0.187																														
I-6001	Wake	8	US 64/US 264 WB LOOP		3	1		0.096	21																														
TOTAL FOR MAP NO. 8									0.096																														
I-6001	Wake	9	US 64/US 264 WB RAMP		2,4	1		0.193	24																														
TOTAL FOR MAP NO. 9									0.193																														
I-6001	Wake	10	US 64/US 264 EB RAMP		2,4	1		0.167	24																														
TOTAL FOR MAP NO. 10									0.167																														
I-6001	Wake	11	US 64/US 264 EB RAMP		2,4	1		0.122	24																														
TOTAL FOR MAP NO. 11									0.122																														
I-6001	Wake	12	US 264 EB RAMP		2	1		0.338	24																														
TOTAL FOR MAP NO. 12									0.338																														
I-6001	Franklin	13	US 64 WB RAMP		2,4	1		0.168	24																														
TOTAL FOR MAP NO. 13									0.168																														
I-6001	Franklin	14	US 64 WB RAMP		2,4	1		0.195	24																														
TOTAL FOR MAP NO. 14									0.195																														
I-6001	Franklin	15	US 64 EB RAMP		2	1		0.164	24																														
TOTAL FOR MAP NO. 15									0.164																														
I-6001	Franklin	16	US 64 EB RAMP		2,4	1		0.197	24																														
TOTAL FOR MAP NO. 16									0.197																														
I-6001	Franklin	17	US 64 WB RAMP		2,4	1		0.142	24																														
TOTAL FOR MAP NO. 17									0.142																														
I-6001	Franklin	18	US 64 WB RAMP		2,4	1		0.193	24																														
TOTAL FOR MAP NO. 18									0.193																														
I-6001	Franklin	19	US 64 EB RAMP		2,4	1		0.157	24																														
TOTAL FOR MAP NO. 19									0.157																														
I-6001	Franklin	20	US 64 EB RAMP		2,4	1		0.200	24																														
TOTAL FOR MAP NO. 20									0.200																														
I-6001	Wake	21	US 64/US 264 WB RAMP		2	2	2WU	0.289	31																							2,112.00	525						
TOTAL FOR MAP NO. 21									0.289																										2,112.00	525			
I-6001	Wake	22	US-64 BUS WB LOOP		3	1		0.181	25																														
TOTAL FOR MAP NO. 22									0.181																														
I-6001	Wake	23	US 64/US 264 EB RAMP		2	1		0.132	29																														
TOTAL FOR MAP NO. 23									0.132																														
TOTAL FOR PROJ NO. I-6001									17.255		2,000.00	100.00	115.00	3.00	260	0.50	0.50	50.00	0.25	50.00	0.25	38.00	10	1.00	19	25	1.00	5.00		2,112.00	525								
GRAND TOTAL									17.255		2,000.00	100.00	115.00	3.00	260	0.50	0.50	50.00	0.25	50.00	0.25	38.00	10	1.00	19	25	1.00	5.00		2,112.00	525								

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SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4400000000-E	4423000000-N	4434000000-N	4510000000-N	4685000000-E	4688000000-E		4700000000-E	4709000000-E	
										STATIONARY WORK ZONE SIGN	DIGITAL SPEED LIMIT SIGNS	SEQUENTIAL FLASHING WARNING LIGHTS	LAW ENFORCEMENT	4" X 90 M YELLOW THERMO	6" X 90 M WHITE THERMO	6" X 90 M YELLOW THERMO	12" X 90 M WHITE THERMO	24" X 90 M WHITE THERMO	
								MI	FT	SF	EA	EA	HR	LF	LF	LF	LF	LF	
I-6001	Wake	1	US-64 / US-264	FROM BUS 64 TO NASH COUNTY LINE	1	2	2WD	13.38	144	928	5.00	12.00	8,326		194,570	149,280	16,070	30	
TOTAL FOR MAP NO. 1									13.38		928	5	12	8,326	194,570	149,280	16,070	30	
I-6001	Wake	2	US 64/US 264 WB RAMP		2,4	1		0.18	24						1,170	970			
TOTAL FOR MAP NO. 2									0.18					1,170	970				
I-6001	Wake	3	US 64/US 264 EB RAMP		2,4	1		0.135	24					790	780				
TOTAL FOR MAP NO. 3									0.135				790	780					
I-6001	Wake	4	US 64/US 264 EB RAMP		2,4	1		0.151	24						870	880			
TOTAL FOR MAP NO. 4									0.151					870	880				
I-6001	Wake	5	US 64/US 264 EB RAMP		2	1		0.154	24						920	910			
TOTAL FOR MAP NO. 5									0.154					920	910				
I-6001	Wake	6	US 64/US 264 WB RAMP		2	1		0.134	24						940	910	150		
TOTAL FOR MAP NO. 6									0.134					940	910	150			
I-6001	Wake	7	US 64/US 264 WB RAMP		2,4	1		0.187	24						1,120	1,110			
TOTAL FOR MAP NO. 7									0.187					1,120	1,110				
I-6001	Wake	8	US 64/US 264 WB LOOP		3	1		0.096	21							410		30	
TOTAL FOR MAP NO. 8									0.096						410		30		
I-6001	Wake	9	US 64/US 264 WB RAMP		2,4	1		0.193	24						1,120	960			
TOTAL FOR MAP NO. 9									0.193					1,120	960				
I-6001	Wake	10	US 64/US 264 EB RAMP		2,4	1		0.167	24						970	970		60	
TOTAL FOR MAP NO. 10									0.167					970	970		60		
I-6001	Wake	11	US 64/US 264 EB RAMP		2,4	1		0.122	24						710	720			
TOTAL FOR MAP NO. 11									0.122					710	720				
I-6001	Wake	12	US 264 EB RAMP		2	1		0.338	24						1,960	1,970			
TOTAL FOR MAP NO. 12									0.338					1,960	1,970				
I-6001	Franklin	13	US 64 WB RAMP		2,4	1		0.168	24						1,000	1,010	130	50	
TOTAL FOR MAP NO. 13									0.168					1,000	1,010	130	50		
I-6001	Franklin	14	US 64 WB RAMP		2,4	1		0.195	24						1,210	1,190			
TOTAL FOR MAP NO. 14									0.195					1,210	1,190				
I-6001	Franklin	15	US 64 EB RAMP		2	1		0.164	24						1,030	1,040	120	60	
TOTAL FOR MAP NO. 15									0.164					1,030	1,040	120	60		
I-6001	Franklin	16	US 64 EB RAMP		2,4	1		0.197	24						1,220	1,200			
TOTAL FOR MAP NO. 16									0.197					1,220	1,200				
I-6001	Franklin	17	US 64 WB RAMP		2,4	1		0.142	24						950	940	130		
TOTAL FOR MAP NO. 17									0.142					950	940	130			
I-6001	Franklin	18	US 64 WB RAMP		2,4	1		0.193	24						1,120	1,120			
TOTAL FOR MAP NO. 18									0.193					1,120	1,120				
I-6001	Franklin	19	US 64 EB RAMP		2,4	1		0.157	24						1,020	1,010	120		
TOTAL FOR MAP NO. 19									0.157					1,020	1,010	120			
I-6001	Franklin	20	US 64 EB RAMP		2,4	1		0.2	24						1,160	1,160			
TOTAL FOR MAP NO. 20									0.2					1,160	1,160				
I-6001	Wake	21	US 64/US 264 WB RAMP		2	2	2WU	0.289	31						2,250	1,710	50	30	
TOTAL FOR MAP NO. 21									0.289					2,250	1,710	50	30		
I-6001	Wake	22	US-64 BUS WB LOOP		3	1		0.181	25							1,050			
TOTAL FOR MAP NO. 22									0.181						1,050				
I-6001	Wake	23	US 64/US 264 EB RAMP		2	1		0.132	29						760	960			
TOTAL FOR MAP NO. 23									0.132					760	960				
TOTAL FOR PROJ NO. I-6001									17.255		928	5.00	12.00	8,326	790	216,850	171,480	16,770	260
GRAND TOTAL									17.255		928	5.00	12.00	8,326	790	216,850	171,480	16,770	260

REVISIONS

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SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	472500000-E						477500000-E		481000000-E	481500000-E		482500000-E	483500000-E			
										THERMO MERGE ARROW 90 M	THERMO RT ARROW 90 M	THERMO LT STR RT ARROW 90 M	THERMO WRONG WAY RAMP ARROW 90 M	THERMO STR & LT ARROW 90 M	THERMO STR ARROW 90 M	6" WHITE COLD APPLIED PLASTIC, TYPE II	6" YELLOW COLD APPLIED PLASTIC, TYPE II	4" YELLOW PAINT PAVEMENT MARKING LINES	6" WHITE PAINT PAVEMENT MARKING LINES	6" YELLOW PAINT PAVEMENT MARKING LINES	12" WHITE PAINT PAVEMENT MARKING LINES	24" WHITE PAINT PAVEMENT MARKING LINES			
										EA	EA	EA	EA	EA	EA	LF	LF	LF	LF	LF	LF	LF			
I-6001	Wake	1	US-64 / US-264	FROM BUS 64 TO NASH COUNTY LINE	1	2	2WD	13.38	144	34						1,410	1,090		194,570	149,280	16,070	30			
TOTAL FOR MAP NO. 1								13.38		34					1,410	1,090		194,570	149,280	16,070	30				
I-6001	Wake	2	US 64/US 264 WB RAMP		2,4	1		0.18	24		2	2	2						1,170	970					
TOTAL FOR MAP NO. 2								0.18			2	2	2						1,170	970					
I-6001	Wake	3	US 64/US 264 EB RAMP		2,4	1		0.135	24									790	780						
TOTAL FOR MAP NO. 3								0.135										790	780						
I-6001	Wake	4	US 64/US 264 EB RAMP		2,4	1		0.151	24		1		1						870	880					
TOTAL FOR MAP NO. 4								0.151			1		1							870	880				
I-6001	Wake	5	US 64/US 264 EB RAMP		2	1		0.154	24										920	910					
TOTAL FOR MAP NO. 5								0.154												920	910				
I-6001	Wake	6	US 64/US 264 WB RAMP		2	1		0.134	24		1		1						940	910	150				
TOTAL FOR MAP NO. 6								0.134			1		1							940	910	150			
I-6001	Wake	7	US 64/US 264 WB RAMP		2,4	1		0.187	24										1,120	1,110					
TOTAL FOR MAP NO. 7								0.187												1,120	1,110				
I-6001	Wake	8	US 64/US 264 WB LOOP		3	1		0.096	21				1							410		30			
TOTAL FOR MAP NO. 8								0.096							1						410		30		
I-6001	Wake	9	US 64/US 264 WB RAMP		2,4	1		0.193	24					1					1,120	960					
TOTAL FOR MAP NO. 9								0.193							1					1,120	960				
I-6001	Wake	10	US 64/US 264 EB RAMP		2,4	1		0.167	24		1		1						970	970		60			
TOTAL FOR MAP NO. 10								0.167			1		1							970	970		60		
I-6001	Wake	11	US 64/US 264 EB RAMP		2,4	1		0.122	24										710	720					
TOTAL FOR MAP NO. 11								0.122													710	720			
I-6001	Wake	12	US 264 EB RAMP		2	1		0.338	24										1,960	1,970					
TOTAL FOR MAP NO. 12								0.338													1,960	1,970			
I-6001	Franklin	13	US 64 WB RAMP		2,4	1		0.168	24		1		1						1,000	1,010	130	50			
TOTAL FOR MAP NO. 13								0.168			1		1							1,000	1,010	130	50		
I-6001	Franklin	14	US 64 WB RAMP		2,4	1		0.195	24										1,210	1,190					
TOTAL FOR MAP NO. 14								0.195													1,210	1,190			
I-6001	Franklin	15	US 64 EB RAMP		2	1		0.164	24		1		1						1,030	1,040	120	60			
TOTAL FOR MAP NO. 15								0.164			1		1							1,030	1,040	120	60		
I-6001	Franklin	16	US 64 EB RAMP		2,4	1		0.197	24										1,220	1,200					
TOTAL FOR MAP NO. 16								0.197													1,220	1,200			
I-6001	Franklin	17	US 64 WB RAMP		2,4	1		0.142	24		1		1						950	940	130				
TOTAL FOR MAP NO. 17								0.142			1		1								950	940	130		
I-6001	Franklin	18	US 64 WB RAMP		2,4	1		0.193	24										1,120	1,120					
TOTAL FOR MAP NO. 18								0.193														1,120	1,120		
I-6001	Franklin	19	US 64 EB RAMP		2,4	1		0.157	24		1		1						1,020	1,010	120				
TOTAL FOR MAP NO. 19								0.157			1		1							1,020	1,010	120			
I-6001	Franklin	20	US 64 EB RAMP		2,4	1		0.2	24										1,160	1,160					
TOTAL FOR MAP NO. 20								0.2													1,160	1,160			
I-6001	Wake	21	US 64/US 264 WB RAMP		2	2	2WU	0.289	31										2,250	1,710	50	30			
TOTAL FOR MAP NO. 21								0.289													2,250	1,710	50	30	
I-6001	Wake	22	US-64 BUS WB LOOP		3	1		0.181	25											1,050					
TOTAL FOR MAP NO. 22								0.181														1,050			
I-6001	Wake	23	US 64/US 264 EB RAMP		2	1		0.132	29										760	960					
TOTAL FOR MAP NO. 23								0.132														760	960		
TOTAL FOR PROJ NO. I-6001								17.255					34	9	2	10	7	1	1,410	1,090	790	216,850	171,480	16,770	260
GRAND TOTAL								17.255					34	9	2	10	7	1	1,410	1,090	790	216,850	171,480	16,770	260

REVISIONS

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SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LANE TYPE	LENGTH	WIDTH	4845000000-E						4850000000-E	4860000000-E	4870000000-E	4875000000-N	5255000000-E	4895000000-N			
										PAINT MERGE ARROW	PAINT RT ARROW	PAINT LT STR RT ARROW	PAINT WRONG WAY RAMP ARROW	PAINT STR & LT ARROW	PAINT STR ARROW	4" LINE REMOVAL	8" LINE REMOVAL	24" LINE REMOVAL	REML OF PVMT MRKG SYMBOLS & CHARACTERS	PORTABLE LIGHTING	INLAID CRADLE MARKERS			
										EA	EA	EA	EA	EA	EA	LF	LF	LF	EA	LS	EA			
I-6001	Wake	1	US-64 / US-264	FROM BUS 64 TO NASH COUNTY LINE	1	2	2WD	13.38	144	34														
TOTAL FOR MAP NO. 1									13.38		34									1	3,560			
I-6001	Wake	2	US 64/US 264 WB RAMP		2,4	1		0.18	24			2	2	2								50		
TOTAL FOR MAP NO. 2									0.18			2	2	2									50	
I-6001	Wake	3	US 64/US 264 EB RAMP		2,4	1		0.135	24								15							
TOTAL FOR MAP NO. 3									0.135							15								
I-6001	Wake	4	US 64/US 264 EB RAMP		2,4	1		0.151	24			1		1			3					20		
TOTAL FOR MAP NO. 4									0.151			1		1		3							20	
I-6001	Wake	5	US 64/US 264 EB RAMP		2	1		0.154	24								17							
TOTAL FOR MAP NO. 5									0.154							17								
I-6001	Wake	6	US 64/US 264 WB RAMP		2	1		0.134	24			1		1			255	132		2		30		
TOTAL FOR MAP NO. 6									0.134			1		1		255	132		2			30		
I-6001	Wake	7	US 64/US 264 WB RAMP		2,4	1		0.187	24								150							
TOTAL FOR MAP NO. 7									0.187							150								
I-6001	Wake	8	US 64/US 264 WB LOOP		3	1		0.096	21				1						27			20		
TOTAL FOR MAP NO. 8									0.096				1						27				20	
I-6001	Wake	9	US 64/US 264 WB RAMP		2,4	1		0.193	24						1					1				
TOTAL FOR MAP NO. 9									0.193						1						1			
I-6001	Wake	10	US 64/US 264 EB RAMP		2,4	1		0.167	24			1		1					53			20		
TOTAL FOR MAP NO. 10									0.167			1		1					53		2		20	
I-6001	Wake	11	US 64/US 264 EB RAMP		2,4	1		0.122	24															
TOTAL FOR MAP NO. 11									0.122															
I-6001	Wake	12	US 264 EB RAMP		2	1		0.338	24															
TOTAL FOR MAP NO. 12									0.338															
I-6001	Franklin	13	US 64 WB RAMP		2,4	1		0.168	24			1		1			148	112	45	2		30		
TOTAL FOR MAP NO. 13									0.168			1		1		148	112	45	2			30		
I-6001	Franklin	14	US 64 WB RAMP		2,4	1		0.195	24								130							
TOTAL FOR MAP NO. 14									0.195							130								
I-6001	Franklin	15	US 64 EB RAMP		2	1		0.164	24			1		1			140	102	51	2		30		
TOTAL FOR MAP NO. 15									0.164			1		1		140	102	51	2			30		
I-6001	Franklin	16	US 64 EB RAMP		2,4	1		0.197	24								145							
TOTAL FOR MAP NO. 16									0.197							145								
I-6001	Franklin	17	US 64 WB RAMP		2,4	1		0.142	24			1		1			207	118		2		30		
TOTAL FOR MAP NO. 17									0.142			1		1		207	118		2			30		
I-6001	Franklin	18	US 64 WB RAMP		2,4	1		0.193	24															
TOTAL FOR MAP NO. 18									0.193															
I-6001	Franklin	19	US 64 EB RAMP		2,4	1		0.157	24			1		1			176	106		2		30		
TOTAL FOR MAP NO. 19									0.157			1		1		176	106		2			30		
I-6001	Franklin	20	US 64 EB RAMP		2,4	1		0.2	24															
TOTAL FOR MAP NO. 20									0.2															
I-6001	Wake	21	US 64/US 264 WB RAMP		2	2	2WU	0.289	31								80		48			30		
TOTAL FOR MAP NO. 21									0.289							80		48				30		
I-6001	Wake	22	US-64 BUS WB LOOP		3	1		0.181	25															
TOTAL FOR MAP NO. 22									0.181															
I-6001	Wake	23	US 64/US 264 EB RAMP		2	1		0.132	29													10		
TOTAL FOR MAP NO. 23									0.132															10
TOTAL FOR PROJ NO. I-6001									17.255			34	9	2	10	7	1	3,967	570	224	13	1	3,860	
GRAND TOTAL									17.255			34	9	2	10	7	1	3,967	570	224	13	1	3,860	

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Legend

1EB = Map 1 - East Bound
1WB = Map 1 - West Bound
1M = Map 1 - Median

Note:
Locations and Quantities are approximate.
Field verify prior to beginning work.

REVISIONS

1000 - Clear Existing Shoulder Berm Gutter (LF)					
PayItem #	Map #	Code#	DMS coordinates N	DMS coordinates E	Work Description
2484000000-E	1 EB	1001	35 48 29.06	-78 25 08.55	Curb Cleanout
2484000000-E	1 EB	1002	35 48 29.65	-78 25 06.85	Curb Cleanout
2484000000-E	1 WB	1003	35 52 44.80	-78 13 21.34	Silt Removal
2484000000-E	1 WB	1004	35 52 03.75	-78 14 51.55.	Silt Removal
2484000000-E	1 WB	1005	35 51 52.96	-78 15 27.14	Silt Removal
2484000000-E	1 WB	1006	35 51 41.28	-78 16 05.71	Silt Removal
2484000000-E	1 WB	1007	35 51 03.79	-78 17 10.14	Silt Removal
2484000000-E	1 WB	1008	35 50 11.39	-78 18 08.44	Silt Removal
2484000000-E	1 WB	1009	35 50 07.87	-78 18 14.11	Silt Removal
2484000000-E	1 WB	1010	35 50 03.76	-78 18 50.83	Silt Removal
2484000000-E	1 WB	1011	35 50 04.84	-78 19 16.98	Silt Removal
2484000000-E	1 WB	1012	35 50 07.04	-78 20 09.77	Silt Removal
2484000000-E	1 WB	1013	35 49 29.94	-78 22 29.51	Silt Removal
2484000000-E	1 WB	1014	35 49 00.54	-78 23 58.84	Silt Removal
2484000000-E	1 EB	1015	35 48 59.16	-78 23 58.24	Silt Removal
2484000000-E	1 EB	1016	35 49 28.78	-78 22.29.98	Silt Removal
2484000000-E	1 EB	1017	35 50 05.79	-78 20 11.19	Silt Removal
2484000000-E	1 EB	1018	35 50 03.58	-78 19 16.40	Silt Removal
2484000000-E	1 EB	1019	35 50 02.12	-78 18 50.42	Silt Removal
2484000000-E	1 EB	1020	35 50 07.15	-78 18 11.87	Silt Removal
2484000000-E	1 EB	1021	35 50 11.30	-78 18 05.67	Silt Removal
2484000000-E	1 EB	1022	35 51 02.59	-78 17 08.93	Silt Removal
2484000000-E	1 EB	1023	35 51 39.60	-78 16 06.40	Silt Removal
2484000000-E	1 EB	1024	35 51 51.37	-78 15 27.27	Silt Removal
2484000000-E	1 EB	1025	35 52 02.70	-78 14 49.89	Silt Removal
2484000000-E	1 EB	1026	35 52 22.75	-78 13 54.94	Silt Removal
2484000000-E	1 EB	1027	35 52 42.82	-78 13 21.53	Silt Removal
2484000000-E	22 Loop		35.804991	-78.425137	Curb Cleanout
2484000000-E	23 Ramp		35.805121	-78.428741	Curb Cleanout

2000 - Concrete Ditch Cleanout (LF)					
PayItem #	Map #	Code#	DMS coordinates N	DMS coordinates E	Work Description
2484000000-E	1 M	2001	35 48 43.85	-78 24 36.37	Cleanout
2484000000-E	1 M	2002	35 48 45.87	-78 24 31.60	Cleanout
2484000000-E	1 M	2004	35 48 50.31,	-78 24 21.45	Cleanout
2484000000-E	1 M	2005	35 48 53.43	-78 24 14.07	Cleanout
2484000000-E	1 M	2006	35 48 55.24	-78 24 09.89	Cleanout
2484000000-E	1 M	2007	35 48 56.91	-78 24 05.80	Cleanout
2484000000-E	1 M	2008	35 48 58.57	-78 24 01.51	Cleanout
2484000000-E	1 M	2009	35 49 00.49	-78 23 57.42	Cleanout
2484000000-E	1 M	2010	35 49 15.73	-78 23 22.00	Cleanout
2484000000-E	1 M	2011	35 49 18.30	-78 23 15.15	Repair
2484000000-E	1 M	2012	35 49 38.90	-78 21 45.80	Cleanout
2484000000-E	1 M	2013	35 49 43.34	-78 21 32.89	Cleanout
2484000000-E	1 M	2014	35 49 46.52	-78 21 26.15	Cleanout
2484000000-E	1 M	2015	35 49 48.97	-78 21 20.24	Cleanout
2484000000-E	1 M	2016	35 50 03.16	-78 20 48.32	Repair
2484000000-E	1 M	2017	35 50 05.12	-78 20 42.47	Cleanout
2484000000-E	1 M	2018	35 50 07.00	-78 20 30.42	Cleanout
2484000000-E	1 M	2019	35 50 06.50	-78 20 13.90	Cleanout
2484000000-E	1 M	2020	35 50 05.92	-78 20 00.34	Cleanout
2484000000-E	1 M	2021	35 50 05.68	-78 19 55.68	Cleanout
2484000000-E	1 M	2022	35 50 04.42	-78 19 29.37	Repair
2484000000-E	1 M	2023	35 50 03.27	-78 19 01.71	Cleanout
2484000000-E	1 M	2024	35 50 10.83	-78 18 07.80	Cleanout
2484000000-E	1 M	2025	35 50 15.58	-78 18 02.51	Cleanout
2484000000-E	1 M	2026	35 50 18.89	-78 17 58.58	Cleanout
2484000000-E	1 M	2027	35 50 23.97	-78 17 52.78	Cleanout
2484000000-E	1 M	2028	35 50 43.99	-78 17 30.06	Cleanout
2484000000-E	1 M	2029	35 50 49.85	-78 17 23.90	Cleanout
2484000000-E	1 M	2030	35 50 54.80	-78 17 18.55	Cleanout
2484000000-E	1 M	2031	35 50 58.04	-78 17 15.01	Cleanout
2484000000-E	1 M	2032	35 51 08.02	-78 17 04.69	Cleanout
2484000000-E	1 M	2033	35 51 10.77	-78 17 01.42	Cleanout
2484000000-E	1 M	2034	35 51 39.66	-78 16 08.23	Cleanout

Legend

1EB = Map 1 - East Bound
1WB = Map 1 - West Bound
1M = Map 1 - Median

Note:
Locations and Quantities are approximate.
Field verify prior to beginning work.

2000 - Concrete Ditch Cleanout (LF)

PayItem #	Map #	Code#	DMS coordinates N	DMS coordinates E	Work Description
2484000000-E	1 M	2035	35 51 40.95	-78 16 03.98	Cleanout
2484000000-E	1 WB	2038	35 52 45.53	-78 13 20.48	Repair
2484000000-E	1 WB	2039	35 51 57.38	-78 15 12.35	Cleanout
2484000000-E	1 WB	2040	35 51 55.42	-78 15 18.82	Cleanout
2484000000-E	1 WB	2041	35 51 41.71	-78 16 04.15	Cleanout
2484000000-E	1 WB	2042	35 51 15.70	-78 16 57.65	Cleanout
2484000000-E	1 WB	2043	35 51 07.92	-78 17 05.84	Cleanout
2484000000-E	1 WB	2044	35 50 58.82	-78 17 15.54	Cleanout
2484000000-E	1 WB	2045	35 50 50.43	-78 17 24.43	Cleanout
2484000000-E	1 WB	2046	35 50 46.50	-78 17 28.70	Cleanout
2484000000-E	1 WB	2047	35 50 16.08	-78 18 03.28	Cleanout
2484000000-E	1 WB	2048	35 50 10.01	-78 18 10.40	Cleanout
2484000000-E	1 WB	2049	35 50 06.37	-78 18 17.12	Cleanout
2484000000-E	1 WB	2050	35 50 04.90	-78 18 21.34	Cleanout
2484000000-E	1 WB	2051	35 50 03.93	-78 18 26.24	Cleanout
2484000000-E	1 WB	2052	35 50 02.96	-78 18 36.99	Cleanout
2484000000-E	1 WB	2053	35 50 03.68	-78 18 47.25	Cleanout
2484000000-E	1 WB	2054	35 50 04.35	-78 19 08.11	Cleanout
2484000000-E	1 WB	2055	35 50 04.87	-78 19 20.53	Cleanout
2484000000-E	1 WB	2057	35 50 07.25	-78 20 13.50	Cleanout
2484000000-E	1 WB	2058	35 50 07.48	-78 20 19.68	Cleanout
2484000000-E	1 WB	2059	35 50 07.66	-78 20 31.07	Cleanout
2484000000-E	1 WB	2060	35 49 58.92	-78 21 00.02	Cleanout
2484000000-E	1 WB	2061	35 49 56.80	-78 21 04.69	Cleanout
2484000000-E	1 WB	2062	35 52 06.92	-78 14 40.97	Cleanout
2484000000-E	1 WB	2063	35 51 20.55	-78 16 52.44	Cleanout
2484000000-E	1 WB	2064	35 51 11.38	-78 17 02.47	Cleanout
2484000000-E	1 WB	2065	35 50 55.49	-078 17 19.23	Cleanout
2484000000-E	1 WB	2066	35 50 22.72	-78 17 55.77	Cleanout
2484000000-E	1 WB	2067	35 50 06.44	-78 19 54.06	Cleanout
2484000000-E	1 WB	2068	35 49 41.09	-78 21 41.28	Cleanout
2484000000-E	1 WB	2069	35 49 35.16	-78 22 02.89	Cleanout
2484000000-E	1 WB	2071	35 49 26.49	-78 22 48.83	Cleanout

2000 - Concrete Ditch Cleanout (LF)

PayItem #	Map #	Code#	DMS coordinates N	DMS coordinates E	Work Description
2484000000-E	1 WB	2072	35 49 09.27	-78 23 38.89	Cleanout
2484000000-E	1 WB	2073	35 49 01.48	-78 23 57.01	Cleanout
2484000000-E	1 EB	2074	35 48 43.31	-78 24 35.45	Cleanout
2484000000-E	1 EB	2075	35 49 07.84	-78 23 38.19	Cleanout
2484000000-E	1 EB	2076	35 49 30.83	-78 22 15.22	Cleanout
2484000000-E	1 EB	2077	35 49 34.33	-78 21 58.54	Cleanout
2484000000-E	1 EB	2078	35 49 40.17	-78 21 39.13	Cleanout
2484000000-E	1 EB	2079	35 49 50.57	-78 21 14.29	Cleanout
2484000000-E	1 EB	2080	35 50 05.57	-78 20 06.64	Cleanout
2484000000-E	1 EB	2081	35 50 07.81	-78 18 10.53	Cleanout
2484000000-E	1 EB	2082	35 50 18.10	-78 17 57.99	Cleanout
2484000000-E	1 EB	2083	35 50 27.84	-78 17 46.81	Cleanout
2484000000-E	1 EB	2084	35 51 02.29	-78 17 09.40	Cleanout
2484000000-E	1 EB	2085	35 51 49.09	-78 15 34.17	Repair456
2484000000-E	1 EB	2086	35 52 15.89	-78 14 08.94	Cleanout
2484000000-E	13	2087	35 51 45.23	-78 15 55.48	Cleanout
2484000000-E	1 WB	2089	35 48 58.96	-78 24 00.62	Cleanout
2484000000-E	1 WB	2090	35 48 57.66	-78 24 05.72	Cleanout
2484000000-E	1 WB	2091	35 48 55.70	-78 24 10.31	Cleanout
2484000000-E	1 EB	2093	35 48 52.30	-78 24 14.38	Cleanout
2484000000-E	1 EB	2094	35 48 54.59	-78 24 09.29	Cleanout
2484000000-E	1 EB	2095	35 48 57.98	-78 24 01.59	Cleanout
2484000000-E	1 EB	2096	35 48 59.91	-78 23 57.02	Cleanout
2484000000-E	1 EB	2097	35 49 14.38	-78 23 22.80	Cleanout
2484000000-E	1 EB	2098	35 49 19.30	-78 23 10.11	Cleanout
2484000000-E	1 EB	2099	35 49 28.05	-78 22 31.52	Cleanout
2484000000-E	1 EB	2100	35 49 29.13	-78 22 26.56	Cleanout
2484000000-E	1 EB	2101	35 49 31.41	-78 22 11.11	Cleanout
2484000000-E	1 EB	2102	35 49 52.54	-78 21 10.18	Repair
2484000000-E	1 EB	2103	35 49 55.24	-78 21 04.17	Cleanout, Repair
2484000000-E	1 EB	2104	35 50 04.44	-78 20 42.11	Repair
2484000000-E	1 EB	2105	35 50 05.76	-78 20 35.55	Cleanout
2484000000-E	1 EB	2106	35 50 06.06	-78 20 19.51	Cleanout, Repair

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Legend

1EB = Map 1 - East Bound
1WB = Map 1 - West Bound
1M = Map 1 - Median

Note:
Locations and Quantities are approximate.
Field verify prior to beginning work.

2000 - Concrete Ditch Cleanout (LF)

PayItem #	Map #	Code#	DMS coordinates N	DMS coordinates E	Work Description
2484000000-E	1 EB	2107	35 50 05.79	-78 20 13.73	Cleanout
2484000000-E	10	2108	35 50 02.55	-78 19 23.97	Cleanout
2484000000-E	1 EB	2109	35 50 03.52	-78 19 24.20	Cleanout
2484000000-E	1 EB	2110	35 50 02.77	-78 19 08.69	Cleanout
2484000000-E	1 EB	2111	35 50 03.34	-78 18 21.12	Cleanout
2484000000-E	1 EB	2112	35 50 05.06	-78 18 16.24	Cleanout
2484000000-E	1 EB	2113	35 50 09.25	-78 18 08.54	Cleanout
2484000000-E	1 EB	2114	35 50 57.75	-78 17 14.18	Cleanout
2484000000-E	1 EB	2115	35 51 06.82	-78 17 04.35	Cleanout
2484000000-E	1 EB	2116	35 51 10.20	-78 17 00.76	Cleanout
2484000000-E	1 EB	2117	35 51 14.58	-78 16 56.22	Cleanout
2484000000-E	1 EB	2118	35 51 29.73	-78 16 35.12	Cleanout
2484000000-E	1 EB	2119	35 51 36.11	-78 16 17.13	Cleanout
2484000000-E	1 EB	2120	35 51 38.49	-78 16 09.21	Cleanout
2484000000-E	1 EB	2121	35 51 40.03	-78 16 04.93	Cleanout
2484000000-E	1 EB	2122	35 51 41.73	-78 15 58.51	Cleanout
2484000000-E	1 EB	2125	35 52 23.37	-78 13 53.70	Cleanout
2484000000-E	12	2128	35 50 03.80	-78 18 15.73	Cleanout
2484000000-E	12	2129	35 50 04.28	-78 18 10.57	Cleanout
2484000000-E	20	2130	35 52 44.77	-78 13 14.56	Cleanout
2484000000-E	20	2131	35 52 45.25	-78 13 14.93	Cleanout

3000 - Drainage Structure Cleanout (EA)

PayItem #	Map #	Code#	DMS coordinates N	DMS coordinates E	Work Description
2472000000-N	1 M	3001	35 48 43.85	-78 24 36.37	Cleanout
2472000000-N	1 M	3002	35 48 45.87	-78 24 31.60	Cleanout
2472000000-N	1 M	3004	35 49 43.34	-78 21 32.87	Cleanout
2472000000-N	1 M	3005	35 50 06.50	-78 20 13.90	Cleanout
2472000000-N	1 M	3006	35 50 04.42	-78 19 29.37	Cleanout
2472000000-N	1 M	3007	35 52 30.94	-78 13 42.44	Cleanout
2472000000-N	1 M	3008	35 52 44.67	-78 13 19.95	Cleanout
2472000000-N	1 WB	3009	35 52 45.53	-78 13 20.48	Cleanout
2472000000-N	1 WB	3010	35 51 15.70	-78 16 57.65	Cleanout
2472000000-N	1 WB	3011	35 51 08.21	-78 17 05.84	Cleanout
2472000000-N	1 WB	3012	35 50 58.82	-78 17 15.54	Cleanout
2472000000-N	1 WB	3013	35 50 05.86	-78 19 33.48	Cleanout
2472000000-N	1 EB	3014	35 48 36.73	-78 24 50.71	Cleanout
2472000000-N	1 EB	3015	35 50 02.77	-78 19 08.69	Cleanout
2472000000-N	1 EB	3016	35 51 56.16	-78 15 11.72	Cleanout
2472000000-N	1 EB	3017	35 52 13.87	-78 14 14.49	Cleanout
2472000000-N	1 EB	3018	35 52 34.53	-78 13 34.89	Cleanout
2472000000-N	1 EB	3019	35 52 47.49	-78 13 13.88	Cleanout
2472000000-N	20	3020	35 52 45.25	-78 13 14.93	Cleanout
2472000000-N	23		35.833983	-78.316797	Cleanout

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Legend

1EB = Map 1 - East Bound

1WB = Map 1 - West Bound

1M = Map 1 - Median

Note:

Locations and Quantities are approximate.

Field verify prior to beginning work.

5000 - Shoulder Drain Cleanout (EA)

PayItem #	Map #	Code#	DMS coordinates N	DMS coordinates E	Work Description
2484000000-E	1 M	5001	35 48 46.69	-78 24 29.81	Cleanout
2484000000-E	1 M	5002	35 48 47.33	-78 24 28.24	Cleanout
2484000000-E	1 M	5003	35 48 50.81	-78 24 19.64	Cleanout, Repair
2484000000-E	1 M	5004	35 48 54.62	-78 24 11.16	Cleanout
2484000000-E	1 M	5005	35 49 03.33	-78 23 50.51	Cleanout
2484000000-E	1 M	5006	35 49 23.00	-78 23 00.48	Cleanout
2484000000-E	1 M	5007	35 49 23.19	-78 22 58.08	Cleanout
2484000000-E	1 M	5008	35 49 24.59	-78 22 53.41	Cleanout
2484000000-E	1 M	5009	35 49 24.95	-78 22 52.44	Cleanout
2484000000-E	1 M	5010	35 49 26.11	-78 22 45.80	Cleanout
2484000000-E	1 M	5011	35 49 32.23	-78 22 14.20	Cleanout
2484000000-E	1 M	5012	35 49 33.00	-78 22 09.28	Cleanout
2484000000-E	1 M	5013	35 49 33.93	-78 22 04.62	Cleanout
2484000000-E	1 M	5014	35 49 34.99	-78 22 00.39	Cleanout
2484000000-E	1 M	5015	35 49 36.21	-78 21 54.71	Cleanout
2484000000-E	1 M	5016	35 49 39.00	-78 21 44.46	Cleanout
2484000000-E	1 M	5017	35 49 39.11	-78 21 44.16	Cleanout
2484000000-E	1 M	5018	35 49 41.34	-78 21 38.61	Cleanout
2484000000-E	1 M	5019	35 49 43.42	-78 21 32.60	Cleanout
2484000000-E	1 M	5020	35 49 43.52	-78 21 32.68	Cleanout
2484000000-E	1 M	5021	35 49 54.39	-78 21 08.20	Cleanout
2484000000-E	1 M	5022	35 49 54.39	-78 21 07.90	Cleanout
2484000000-E	1 M	5023	35 49 56.82	-78 21 03.31	Cleanout
2484000000-E	1 M	5024	35 49 57.07	-78 21 01.67	Cleanout, Repair
2484000000-E	1 M	5025	35 49 59.32	-78 20 56.52	Cleanout
2484000000-E	1 M	5026	35 50 01.74	-78 20 51.32	Cleanout
2484000000-E	1 M	5027	35 50 03.90	-78 20 46.08	Cleanout
2484000000-E	1 M	5028	35 50 05.66	-78 20 40.14	Cleanout, Repair
2484000000-E	1 M	5029	35 50 06.37	-78 20 08.44	Cleanout
2484000000-E	1 M	5030	35 50 05.18	-78 19 43.74	Cleanout
2484000000-E	1 M	5031	35 50 03.96	-78 19 14.36	Cleanout
2484000000-E	1 M	5032	35 50 02.45	-78 18 45.12	Cleanout
2484000000-E	1 M	5033	35 50 03.52	-78 18 23.80	Cleanout

5000 - Shoulder Drain Cleanout (EA)

PayItem #	Map #	Code#	DMS coordinates N	DMS coordinates E	Work Description
2484000000-E	1 M	5034	35 50 29.57	-78 17 46.85	Cleanout
2484000000-E	1 M	5035	35 50 38.10	-78 17 36.75	Cleanout
2484000000-E	1 M	5036	35 50 39.96	-78 17 34.44	Cleanout
2484000000-E	1 M	5037	35 50 43.19	-78 17 30.85	Cleanout
2484000000-E	1 M	5038	35 50 44.94	-78 17 29.22	Cleanout
2484000000-E	1 M	5039	35 50 46.91	-78 17 26.90	Cleanout
2484000000-E	1 M	5040	35 50 48.90	-78 17 24.88	Cleanout
2484000000-E	1 M	5041	35 51 27.07	-78 16 42.27	Cleanout, Repair
2484000000-E	1 M	5042	35 51 35.48	-78 16 22.08	Cleanout
2484000000-E	1 M	5043	35 51 36.27	-78 16 19.64	Cleanout
2484000000-E	1 M	5044	35 51 37.47	-78 16 16.03	Cleanout
2484000000-E	1 M	5045	35 51 39.50	-78 16 08.52	Cleanout
2484000000-E	1 M	5046	35 51 45.05	-78 15 50.12	Cleanout
2484000000-E	1 M	5047	35 51 47.33	-78 15 42.83	Cleanout
2484000000-E	1 M	5048	35 51 50.84	-78 15 31.52	Cleanout
2484000000-E	1 M	5049	35 51 51.51	-78 15 29.29	Cleanout
2484000000-E	1 M	5050	35 51 59.85	-78 15 01.99	Cleanout
2484000000-E	1 M	5051	35 52 00.97	-78 14 57.41	Cleanout
2484000000-E	1 M	5053	35 52 01.85	-78 14 55.62	Cleanout
2484000000-E	1 M	5054	35 52 04.20	-78 14 45.87	Cleanout
2484000000-E	1 M	5055	35 52 04.58	-78 14 45.98	Cleanout
2484000000-E	1 M	5056	35 52 08.19	-78 14 34.49	Cleanout
2484000000-E	1 M	5057	35 52 08.24	-78 14 34.29	Cleanout
2484000000-E	1 M	5058	35 52 17.69	-78 14 07.42	Cleanout
2484000000-E	1 M	5059	35 52 19.53	-78 14 03.06	Cleanout
2484000000-E	1 M	5060	35 52 19.47	-78 14 02.93	Cleanout
2484000000-E	1 M	5061	35 52 21.92	-78 13 58.38	Cleanout
2484000000-E	1 M	5062	35 52 21.70	-78 13 58.23	Cleanout
2484000000-E	1 M	5063	35 52 39.68	-78 13 28.12	Cleanout
2484000000-E	1 M	5064	35 52 42.29	-78 13 23.26	Cleanout
2484000000-E	1 M	5065	35 52 42.74	-78 13 23.14	Cleanout
2484000000-E	1 M	5066	35 52 47.48	-78 13 15.61	Cleanout
2484000000-E	1 M	5067	35 52 51.29	-78 13 08.76	Cleanout

REVISIONS

8/17/99

Legend

1EB = Map 1 - East Bound

1WB = Map 1 - West Bound

1M = Map 1 - Median

Note:

Locations and Quantities are approximate.

Field verify prior to beginning work.

5000 - Shoulder Drain Cleanout (EA)

PayItem #	Map #	Code#	DMS coordinates N	DMS coordinates E	Work Description
2484000000-E	1 WB	5068	35 52 17.60	-78 14 09.10	Cleanout
2484000000-E	1 WB	5069	35 51 18.03	-78 16 54.97	Cleanout
2484000000-E	1 WB	5070	35 51 09.88	-78 17 03.78	Cleanout
2484000000-E	1 WB	5071	35 50 31.52	-78 17 45.70	Cleanout
2484000000-E	1 WB	5072	35 50 28.12	-78 17 49.71	Cleanout
2484000000-E	1 WB	5073	35 50 24.17	-78 17 53.70	Cleanout
2484000000-E	1 WB	5074	35 50 20.88	-78 17 57.55	Cleanout
2484000000-E	1 WB	5075	35 50 13.27	-78 18 06.55	Cleanout
2484000000-E	1 WB	5076	35 50 03.91	-78 18 53.09	Cleanout
2484000000-E	1 WB	5077	35 50 04.38	-78 19 04.88	Cleanout
2484000000-E	1 WB	5078	35 50 05.16	-78 19 26.42	Cleanout
2484000000-E	1 WB	5079	35 50 06.17	-78 19 52.90	Cleanout
2484000000-E	1 WB	5080	35 50 06.67	-78 19 59.43	Cleanout
2484000000-E	1 WB	5081	35 50 05.72	-78 20 43.18	Cleanout
2484000000-E	1 WB	5082	35 50 01.86	-78 20 53.14	Cleanout
2484000000-E	1 WB	5083	35 49 46.57	-78 21 27.55	Cleanout
2484000000-E	1 WB	5084	35 49 46.44	-78 21 27.84	Cleanout
2484000000-E	1 WB	5085	35 49 42.24	-78 21 38.01	Cleanout
2484000000-E	1 WB	5086	35 49 40.28	-78 21 43.62	Cleanout
2484000000-E	1 WB	5087	35 49 40.01	-78 21 44.44	Cleanout
2484000000-E	1 WB	5088	35 49 36.80	-78 21 54.77	Cleanout
2484000000-E	1 WB	5089	35 49 35.48	-78 22 00.34	Cleanout
2484000000-E	1 WB	5090	35 49 34.38	-78 22 06.28	Cleanout
2484000000-E	1 WB	5091	35 49 33.40	-78 22 11.29	Cleanout
2484000000-E	1 WB	5092	35 49 30.87	-78 22 25.13	Cleanout
2484000000-E	1 WB	5093	35 49 24.50	-78 22 57.37	Cleanout
2484000000-E	1 WB	5094	35 49 22.68	-78 23 04.27	Cleanout
2484000000-E	1 WB	5095	35 49 18.85	-78 23 15.65	Cleanout
2484000000-E	1 WB	5096	35 49 13.09	-78 23 29.78	Cleanout
2484000000-E	1 WB	5097	35 49 10.77	-78 23 35.43	Cleanout
2484000000-E	1 WB	5098	35 49 08.40	-78 23 40.40	Cleanout
2484000000-E	1 WB	5099	35 49 06.28	-78 23 46.80	Cleanout
2484000000-E	1 WB	5100	35 49 03.99	-78 23 51.41	Cleanout

5000 - Shoulder Drain Cleanout (EA)

PayItem #	Map #	Code#	DMS coordinates N	DMS coordinates E	Work Description
2484000000-E	1 WB	5101	35 48 56.73	-78 24 07.80	Cleanout
2484000000-E	1 WB	5102	35 48 52.10	-78 24 19.03	Cleanout
2484000000-E	1 WB	5103	35 48 50.15	-78 24 23.89	Cleanout
2484000000-E	1 WB	5104	35 48 45.44	-78 24 34.36	Cleanout
2484000000-E	1 WB	5105	35 48 45.09	-78 24 35.06	Cleanout
2484000000-E	1 EB	5106	35 48 44.16	-78 24 34.26	Cleanout
2484000000-E	1 EB	5107	35 48 47.80	-78 24 25.39	Cleanout
2484000000-E	1 EB	5108	35 48 50.23	-78 24 20.20	Cleanout
2484000000-E	1 EB	5109	35 49 00.84	-78 23 54.77	Cleanout
2484000000-E	1 EB	5110	35 49 04.19	-78 23 47.49	Cleanout
2484000000-E	1 EB	5111	35 49 05.99	-78 23 42.95	Cleanout
2484000000-E	1 EB	5112	35 49 10.38	-78 23 32.15	Cleanout
2484000000-E	1 EB	5113	35 49 12.65	-78 23 26.76	Cleanout
2484000000-E	1 EB	5114	35 49 15.11	-78 23 21.47	Cleanout
2484000000-E	1 EB	5115	35 49 19.49	-78 23 09.36	Cleanout
2484000000-E	1 EB	5116	35 49 19.67	-78 23 08.02	Cleanout
2484000000-E	1 EB	5117	35 49 21.20	-78 23 04.40	Cleanout
2484000000-E	7	5118	35 49 29.83	-78 22 19.09	Cleanout
2484000000-E	1 EB	5119	35 49 31.45	-78 22 12.97	Cleanout
2484000000-E	1 EB	5120	35 49 47.73	-78 21 20.99	Cleanout
2484000000-E	1 EB	5121	35 50 02.08	-78 20 48.93	Cleanout
2484000000-E	1 EB	5122	35 50 06.32	-78 20 24.65	Cleanout
2484000000-E	1 EB	5123	35 50 03.84	-78 19 34.94	Cleanout
2484000000-E	1 EB	5124	35 50 01.89	-78 18 52.06	Cleanout
2484000000-E	1 EB	5125	35 50 31.73	-78 17 42.36	Cleanout
2484000000-E	1 EB	5126	35 50 46.30	-78 17 26.08	Cleanout
2484000000-E	1 M	5127	35 51 01.20	-78 17 11.61	Cleanout
2484000000-E	1 EB	5128	35 51 44.47	-78 15 49.99	Cleanout
2484000000-E	1 EB	5129	35 51 46.84	-78 15 42.92	Cleanout, Repair
2484000000-E	1 EB	5130	35 52 01.29	-78 14 54.83	Cleanout
2484000000-E	1 EB	5131	35 52 05.08	-78 14 42.05	Cleanout
2484000000-E	1 EB	5132	35 52 06.89	-78 14 36.34	Cleanout
2484000000-E	1 EB	5133	35 52 11.96	-78 14 19.45	Cleanout
2484000000-E	1 EB	5134	35 52 21.19	-78 13 58.03	Cleanout
2484000000-E	1 EB	5135	35 52 27.17	-78 13 47.47	Cleanout

REVISIONS

8/17/99

Legend
1EB = Map 1 - East Bound
1WB = Map 1 - West Bound
1M = Map 1 - Median

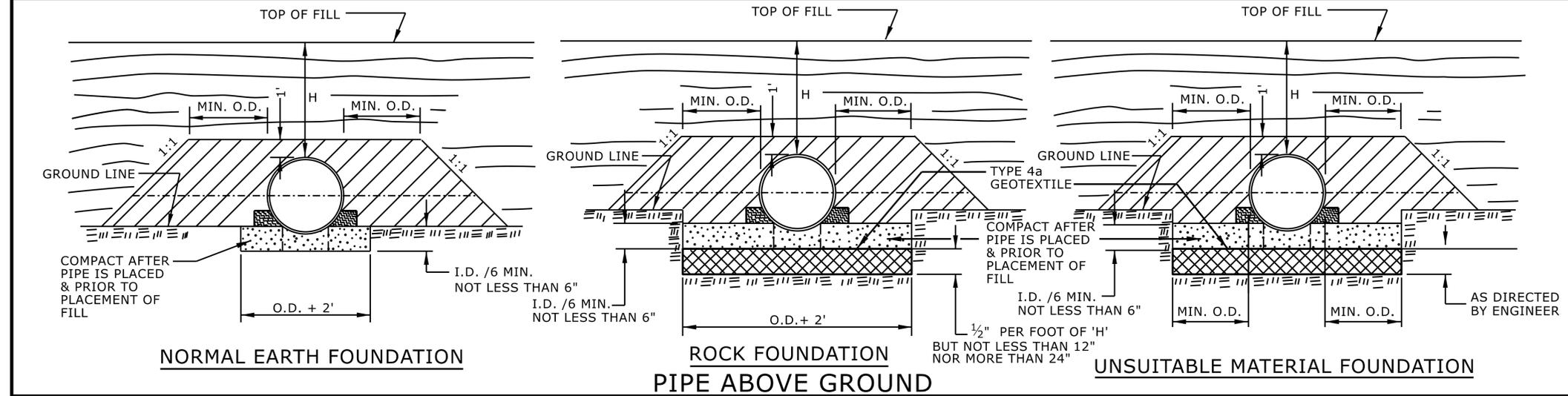
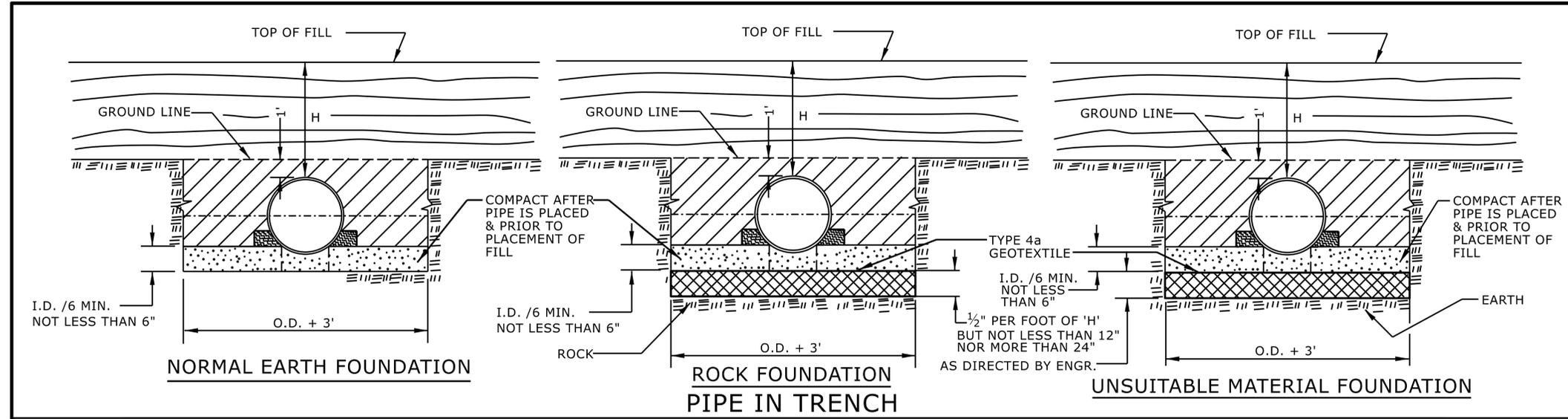
Note:
Locations and Quantities are approximate.
Field verify prior to beginning work.

6000 - Patching (Tons)					
PayItem #	Map #	Code#	DMS coordinates N	DMS coordinates E	Work Description
1704000000-E	1 EB	6001	35 48 42.79	-78 24 37.59	Patching
1704000000-E	1 EB	6002	35 51 31	78 16 31	Patching

7000 - Ditching (LF)					
PayItem #	Map #	Code#	DMS coordinates N	DMS coordinates E	Work Description
1264000000-E	1 M	7001	35 48 32.64	-78 25 02.58	Repair
1264000000-E	1 M	7002	35 48 41.10	-78 24 42.85	Repair
1264000000-E	1 M	7003	35 48 45.23	-78 24 32.93	Repair
1264000000-E	1 M	7004	35 49 29.58	-78 22 27.53	Repair
1264000000-E	1 M	7005	35 50 03.14	-78 18 24.99	Repair
1264000000-E	1 M	7006	35 50 05.15	-78 18 18.03	Repair
1264000000-E	1 M	7007	35 50 23.43	-78 17 53.33	Repair
1264000000-E	1 M	7008	35 51 42.09	-78 16 00.66	Repair
1264000000-E	1 M	7009	35 52 21.70	-78 13 58.93	Repair
1264000000-E	1 M	7010	35 52 39.37	-78 13 28.78	Repair
1264000000-E	1 WB	7011	35 50 03.40	-78 18 45.27	Repair
1264000000-E	1 WB	7012	35 50 03.55	-78 18 48.69	Repair
1264000000-E	1 EB	7013	35 48 37.04	-78 24 49.91	Repair
1264000000-E	1 EB	7014	35 50 03.37	-78 18 21.20	Repair
1264000000-E	1 EB	7015	35 51 19.94	-78 16 50.34	Repair
1264000000-E	1 EB	7016	35 52 27.11	-78 13 47.11	Repair
1264000000-E	1 EB	7017	35 52 50.16	-78 13 08.81	Repair

REVISIONS

8/17/99

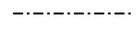
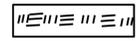


GENERAL NOTES:
 I.D. = THE MAXIMUM HORIZONTAL INSIDE DIAMETER DIMENSION.
 O.D. = THE MAXIMUM HORIZONTAL OUTSIDE DIAMETER DIMENSION.
 H = THE FILL HEIGHT MEASURED VERTICALLY AT ANY POINT ALONG THE PIPE FROM THE TOP OF THE PIPE TO THE TOP OF THE EMBANKMENT AT THAT POINT.

 APPROVED SUITABLE LOCAL MATERIAL.
 TAKE CARE TO FULLY COMPACT HAUNCH ZONE OF PIPE BACKFILL.
 LOOSELY PLACED SELECT MATERIAL CLASS III OR CLASS II, TYPE 1 FOR PIPE BEDDING. LEAVE SECTION DIRECTLY BENEATH PIPE UNCOMPACTED AS PIPE SEATING AND BACKFILL WILL ACCOMPLISH COMPACTION.

DO NOT OPERATE HEAVY EQUIPMENT OVER ANY PIPE CULVERT UNTIL THE PIPE CULVERT HAS BEEN PROPERLY BACKFILLED AND COVERED WITH AT LEAST 3 FEET OF APPROVED MATERIAL.

REFER TO NCDOT PIPE MATERIAL SELECTION GUIDE AND STANDARD SPECIFICATIONS FOR ALLOWABLE PIPE FILL HEIGHTS AND PIPE SPECIFICATIONS.

 SPRINGLINE OF PIPE
 SELECT BACKFILL MATERIAL CLASS III OR CLASS II, TYPE 1 ABOVE AND BELOW SPRINGLINE.
 UNDISTURBED EARTH MATERIAL
 SELECT MATERIAL CLASS V OR VI FOR FOUNDATION CONDITIONING. ENCAPSULATE WITH TYPE IV GEOTEXTILE AS DIRECTED BY THE ENGINEER.

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
METHOD OF PIPE INSTALLATION
FLEXIBLE PIPE

SHEET 1 OF 2
300.01

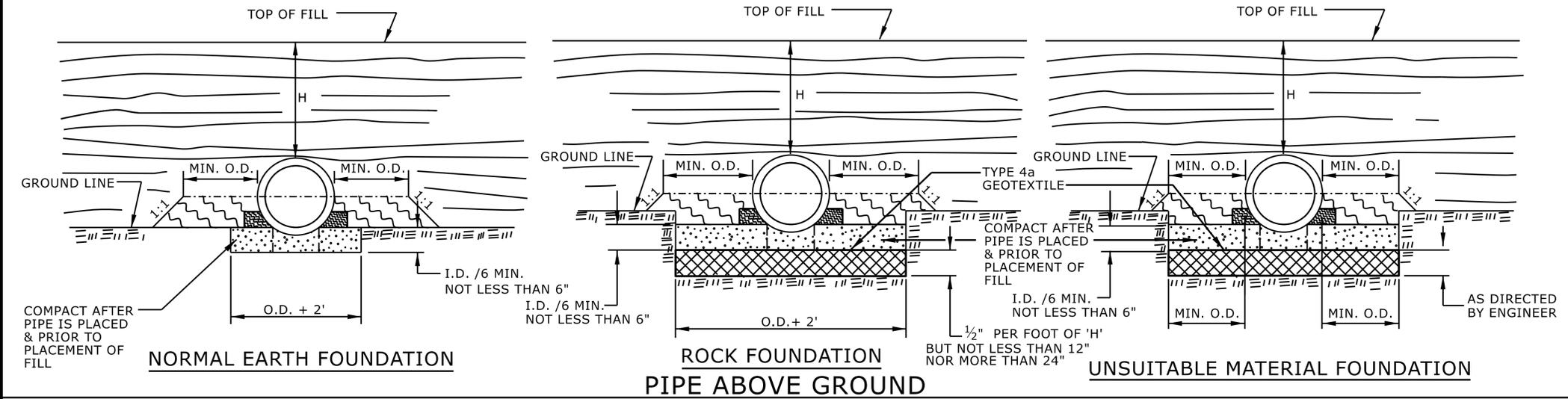
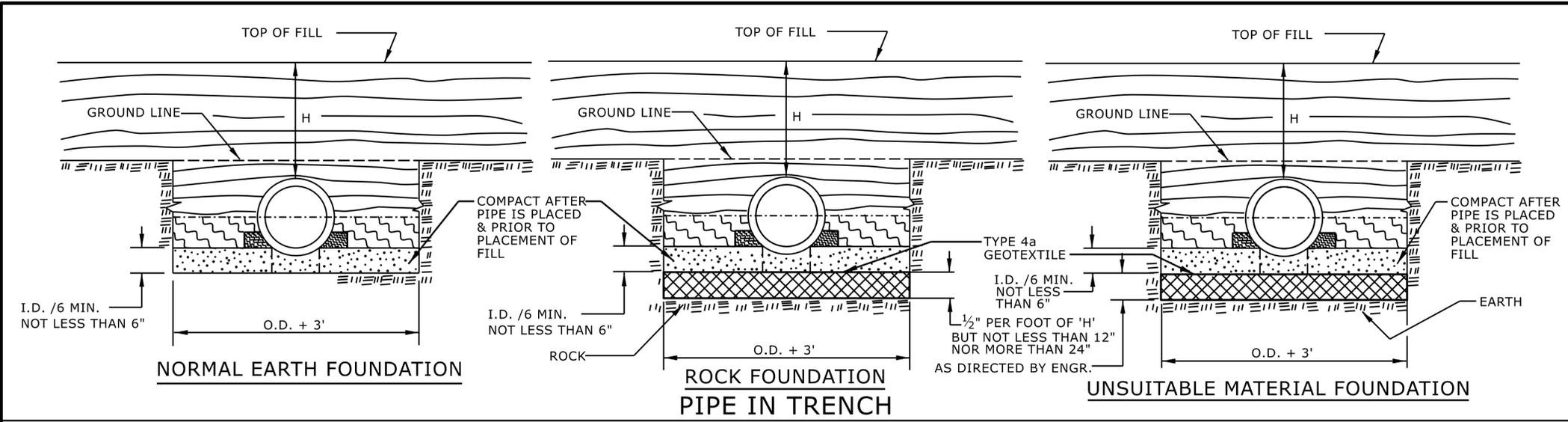


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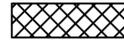
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GENERAL NOTES:
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 O.D. = THE MAXIMUM HORIZONTAL OUTSIDE DIAMETER DIMENSION.
 H = THE FILL HEIGHT MEASURED VERTICALLY AT ANY POINT ALONG THE PIPE FROM THE TOP OF THE PIPE TO THE TOP OF THE EMBANKMENT AT THAT POINT.

 APPROVED SUITABLE LOCAL MATERIAL.
 TAKE CARE TO FULLY COMPACT HAUNCH ZONE OF PIPE BACKFILL.
 LOOSELY PLACED SELECT MATERIAL CLASS III OR CLASS II, TYPE 1 FOR PIPE BEDDING. LEAVE SECTION DIRECTLY BENEATH PIPE UNCOMPACTED AS PIPE SEATING AND BACKFILL WILL ACCOMPLISH COMPACTION.

DO NOT OPERATE HEAVY EQUIPMENT OVER ANY PIPE CULVERT UNTIL THE PIPE CULVERT HAS BEEN PROPERLY BACKFILLED AND COVERED WITH AT LEAST 3 FEET OF APPROVED MATERIAL.
 REFER TO NCDOT PIPE MATERIAL SELECTION GUIDE AND STANDARD SPECIFICATIONS FOR ALLOWABLE PIPE FILL HEIGHTS AND PIPE SPECIFICATIONS.

-  SPRINGLINE OF PIPE
-  SELECT BACKFILL MATERIAL CLASS III OR CLASS II, BELOW SPRINGLINE.
-  UNDISTURBED EARTH MATERIAL
-  SELECT MATERIAL CLASS V OR VI FOR FOUNDATION CONDITIONING. ENCAPSULATE WITH TYPE IV GEOTEXTILE AS DIRECTED BY THE ENGINEER.

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.
 ROADWAY DETAIL DRAWING FOR
METHOD OF PIPE INSTALLATION
 RIGID PIPE

SHEET 2 OF 2
300.01

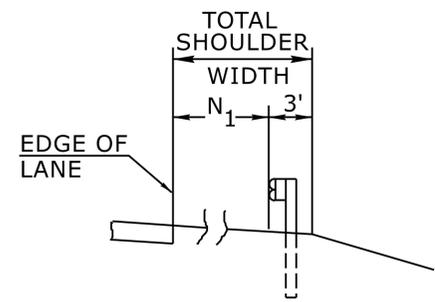


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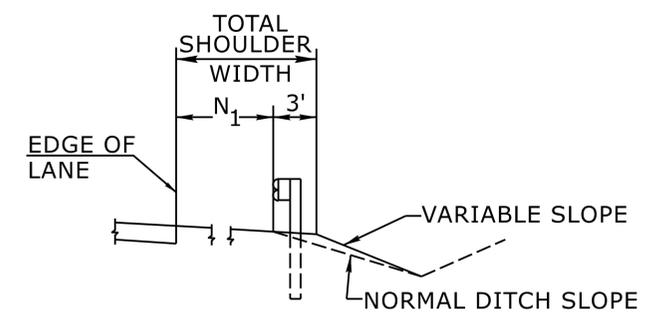
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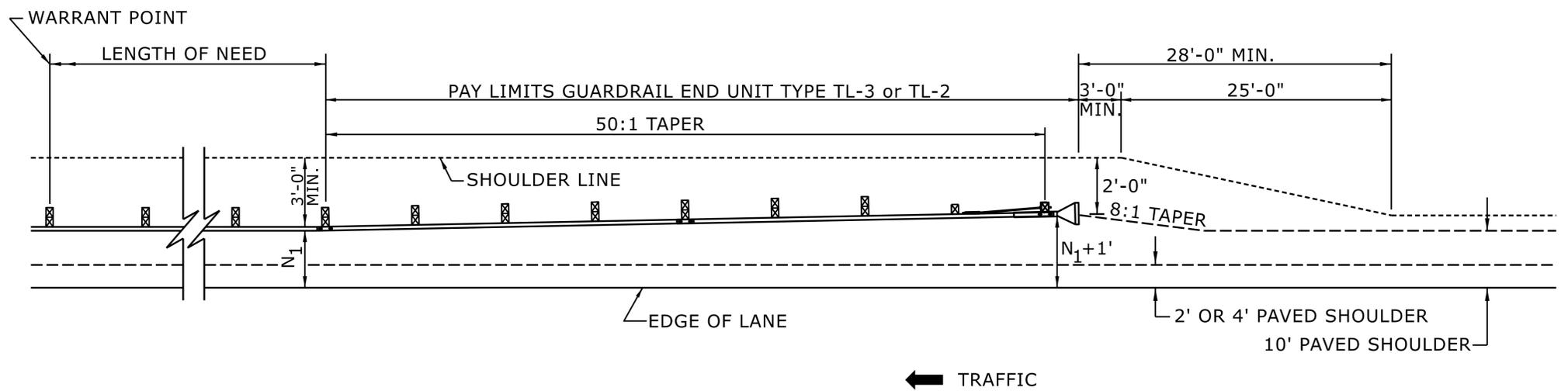


FILL SECTION



CUT SECTION

"N₁" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL WHERE GUARDRAIL IS PARALLEL TO LANE.



FOR POSTED SPEEDS ≥ 45mph USE GREU TYPE TL-3
FOR POSTED SPEEDS < 45mph USE GREU TYPE TL-2

DETAIL OF BEGINNING OF GUARDRAIL IN CUT OR FILL SECTION

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RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT

SHEET 6 OF 15
862D01



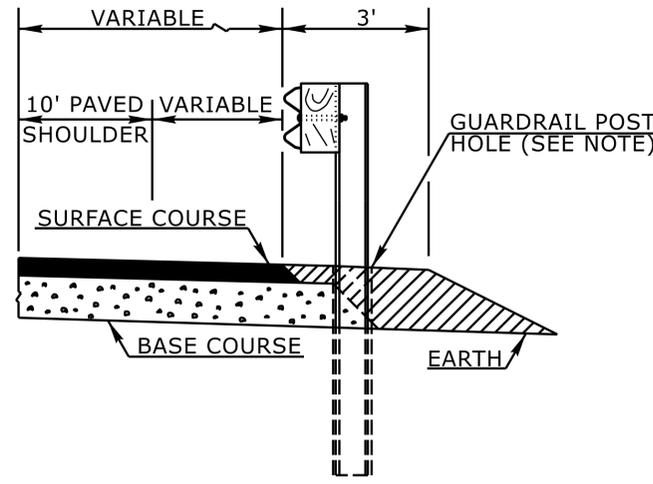
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Nicole M. Hackler
588432034164C5...

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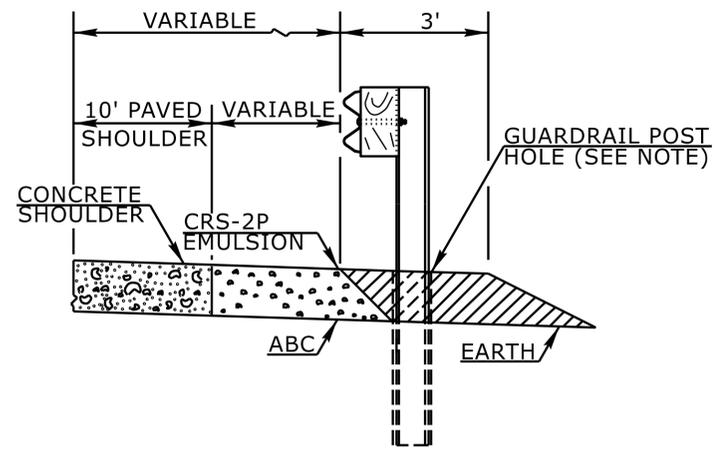
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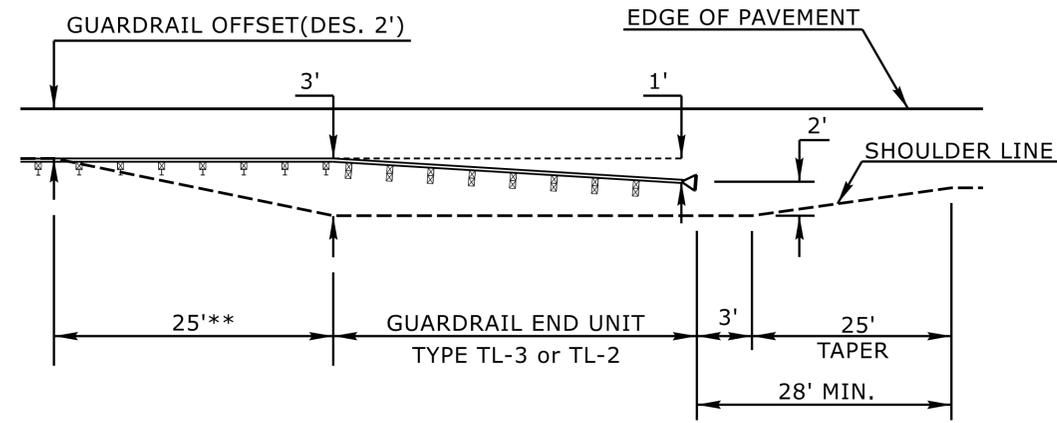
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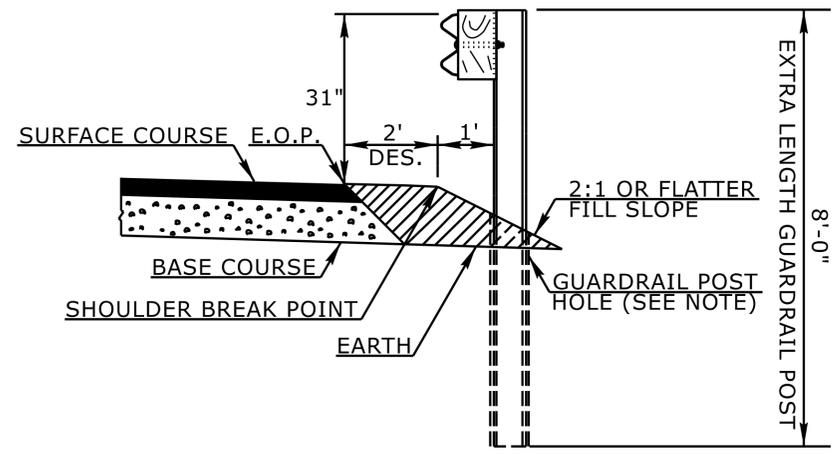
FLEXIBLE PAVED SHOULDER



CONCRETE PAVED SHOULDER



8' GUARDRAIL POST ON 2:1 SLOPE-END UNIT TRANSITION*
PLAN VIEW



8' GUARDRAIL POST ON 2:1 SLOPE*

* THE 8' GUARDRAIL POST ON 2:1 SLOPE DETAIL IS INTENDED FOR USE ONLY IN SEVERELY CONSTRAINED AREAS WITH A POSTED SPEED ≤ 60 MPH. GUARDRAIL END UNITS MAY NOT BE PLACED ON THE 2:1 SLOPE AND MUST TRANSITION TO THE SHOULDER.
 ** 8' GUARDRAIL POST SHOULD BE USED IN THIS RANGE

NOTE:
 WHEN WOODEN GUARDRAIL POSTS ARE USED, DRILL HOLES THROUGH EARTH MATERIAL AND BASE COURSE. THE POST MAY THEN BE DRIVEN TO THE PROPER DEPTH. DRILL THE HOLE OF SUFFICIENT SIZE TO ACCOMMODATE THE PARTICULAR POST BEING USED. BACKFILL AND TAMP HOLES USING THE EXCAVATED MATERIAL.

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ROADWAY DETAIL DRAWING FOR
GUARDRAIL PLACEMENT

SHEET 11 OF 15
862D01



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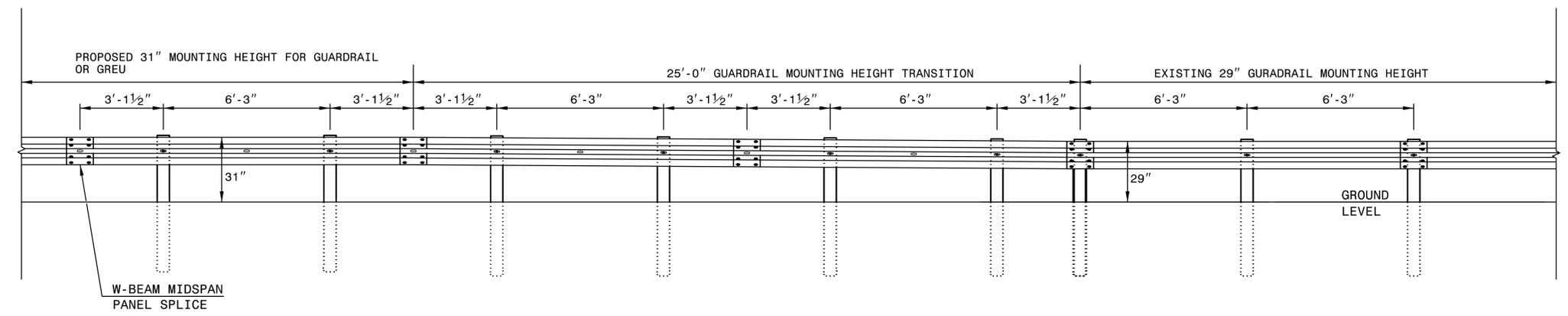
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NOTE: IF EXISTING GUARDRAIL IS LOWER THAN 29", USE AN ADDITIONAL 12'-6" LONG SECTION OF GUARDRAIL, FOR EVERY 1" OF HEIGHT DIFFERENCE, TO TRANSITION FROM EXISTING GUARDRAIL TO PROPOSED 31" GUARDRAIL.



ELEVATION VIEW

TRANSITION FROM 29" TO 31" W-BEAM GUARDRAIL MOUNTING HEIGHT

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RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
GUARDRAIL INSTALLATION

SHEET 5 OF 9
862D02



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5884323034164C5...

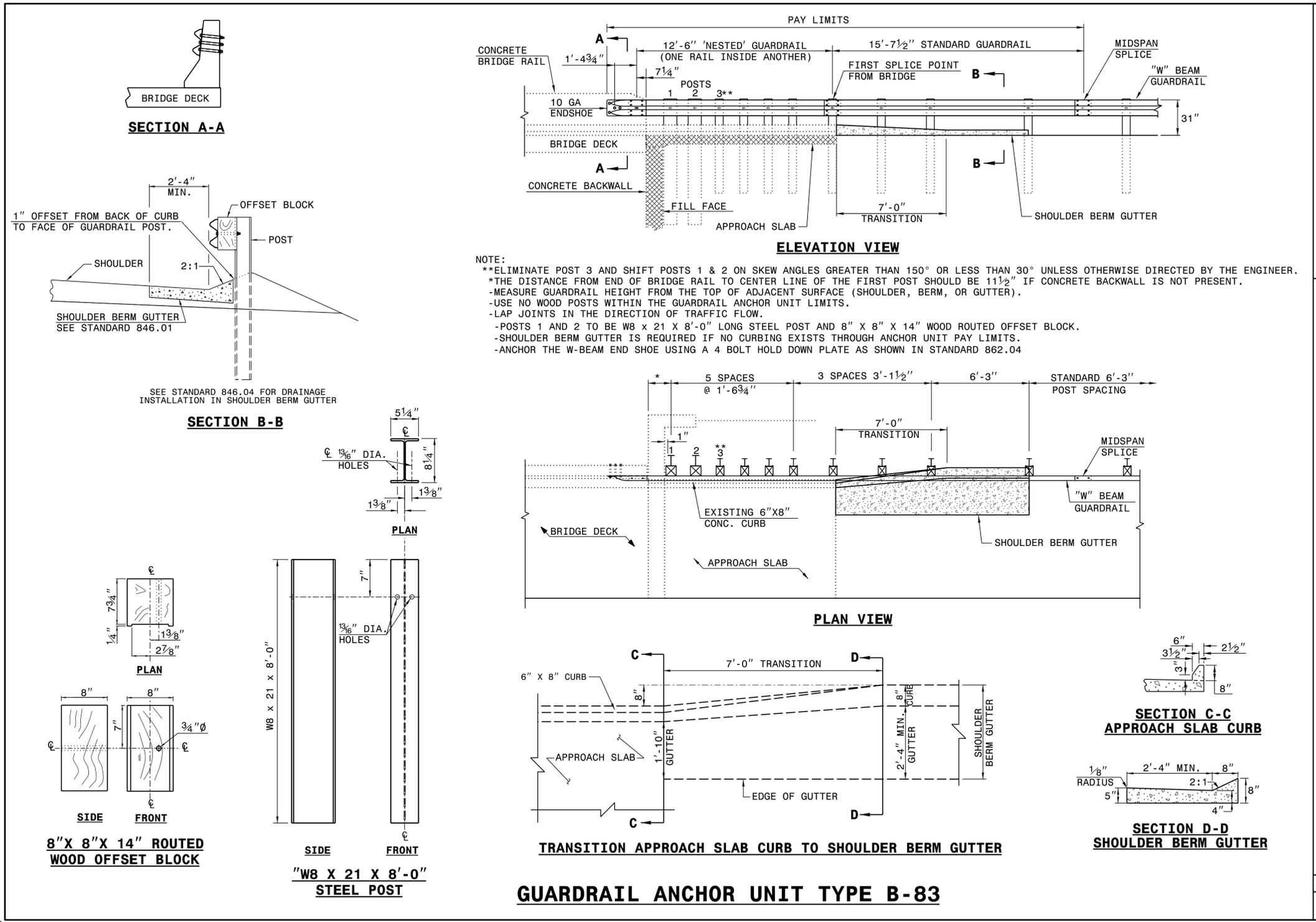
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STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ROADWAY DETAIL DRAWING FOR
STRUCTURE ANCHOR UNITS
GUARDRAIL ANCHOR UNIT TYPE B-83

SHEET 6 OF 9
862D03



Signed by:
Nicole M. Hacker
5884323034164C5...

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CONTRACTS STANDARDS
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