

CONSTRUCTION PLANS 2024 DRIPPING SPRINGS ROADWAY MAINTENANCE PROJECT

MAY 2024

PROJECT # MAINT 2024-0002

WORK TYPE: PAVEMENT REPAIRS & RESURFACING, PAVEMENT MARKING & SIGNAGE

PROJECT LENGTH:

OLD HWY 290: 2,655 LF

JUDY DR (BASE BID): 885 LF

JUDY DR (ADD ALT 1): 460 LF

BONNIE DR: 1,425 LF

RETHA DR (ADD ALT 2): 1,025 LF

BUTLER RANCH RD (CHANGE ORDER 1): 950 LF

PROJECT TOTAL: 7,400 LF

ROADWAY CLASSIFICATION:

OLD HWY 290: COLLECTOR

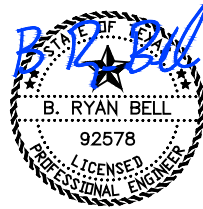
JUDY DR: LOCAL STREET

BONNIE DR: LOCAL STREET

RETHA DR: LOCAL STREET

BUTLER RANCH RD: LOCAL STREET

PREPARED BY:



B. RYAN BELL, P.E.

6/24/2024
DATE

RECOMMENDED BY:

Chad Gilpin

CHAD GILPIN, P.E. - CITY ENGINEER

6/24/2024
DATE

APPROVED BY:

SHAWN COX, DEPUTY CITY ADMINISTRATOR

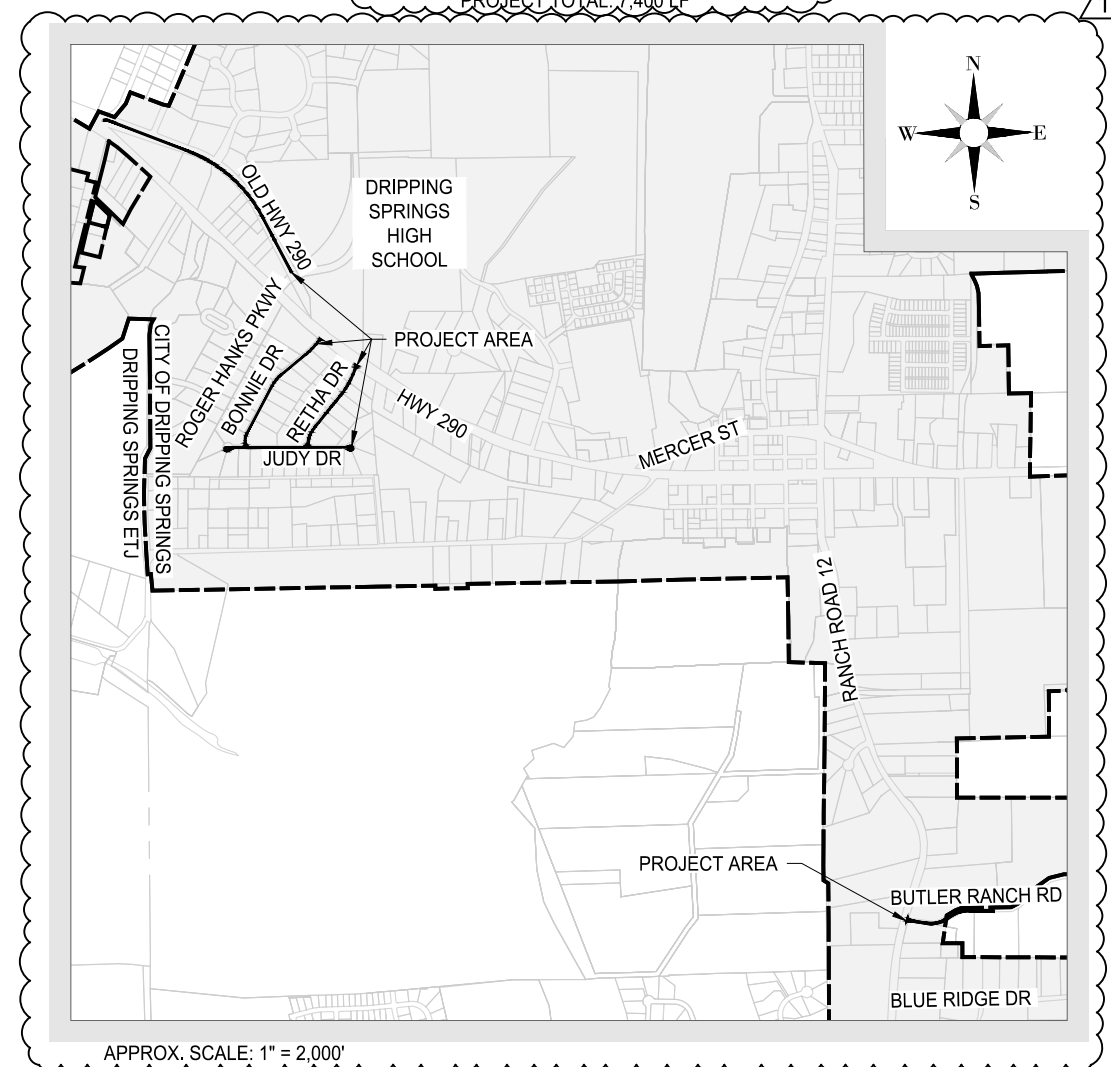
DATE

CONTRACTOR:

CONSTRUCTION START:

CONSTRUCTION ACCEPTED:

TOTAL CONSTRUCTION COST:



APPROX. SCALE: 1" = 2,000'

PREPARED FOR:

CITY OF DRIPPING SPRINGS, TEXAS



PREPARED BY:



T.B.P.L.S. Firm Registration # 10193770
T.B.P.E. Firm Registration # F-9266
9701 BRODIE LN, SUITE 203
AUSTIN, TX 78748
PH: 512.220.8100

NOTES:

1. THIS PROJECT LIES WITHIN THE CITY LIMITS OF DRIPPING SPRINGS, TEXAS.
2. THIS PROJECT LIES WITHIN THE CONTRIBUTING ZONE OF THE EDWARDS AQUIFER.
3. THIS PROJECT IS IDENTIFIED AS ZONE X 'AREA OF MINIMAL FLOOD HAZARD' BY THE FEDERAL MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 48209C0105F DATED SEPTEMBER 2, 2005 HAYS COUNTY, TEXAS AND INCORPORATED AREAS.
4. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL SURVEY VERIFICATION REQUIRED TO COMPLETE THE PROJECT.
5. RIGHT-OF-WAY LINES SHOWN HEREON ARE APPROXIMATE.

THESE PLANS ARE FULL SIZE AT 11" X 17"

01 OF 17

GILP-BLK.ctb

Sheet List Table	
Sheet Number	Sheet Title
01	COVERSHEET
02	GENERAL NOTES
03	SCHEDULE OF QUANTITIES
04	PAVING TYPICAL SECTIONS
05	PAVING PLAN OLD HWY 290 1 OF 4
06	PAVING PLAN OLD HWY 290 2 OF 4
07	PAVING PLAN OLD HWY 290 3 OF 4
08	PAVING PLAN OLD HWY 290 4 OF 4
09	PAVING PLAN JUDY DR 1 OF 2
10	PAVING PLAN JUDY DR 2 OF 2
11	PAVING PLAN BONNIE DR 1 OF 2
12	PAVING PLAN BONNIE DR 2 OF 2
13	PAVING PLAN RETHA DR 1 OF 2
14	PAVING PLAN RETHA DR 2 OF 2
14A	PAVING PLAN BUTLER RANCH RD 1 OF 2
14B	PAVING PLAN BUTLER RANCH RD 2 OF 2
15	TYPICAL STANDARD PAVEMENT MARKINGS - PM(1)-20
16	REFLECTORIZED PROFILE MARKINGS - PM(2)-20
17	TCP (1-2)-18

REVISION BLOCK					
NO.	REVISION DESCRIPTION	AFFECTED SHEETS	DATE	APPROVAL SIGNATURE	APPROVAL DATE
1	CHANGE ORDER #1	1, 3, 4, 14A, 14B	6/24/2024	<i>Chad Gilpin</i>	6/24/2024

SCHEDULE OF QUANTITIES:



T.B.P.L.S. Firm Registration # 10193770
 T.B.P.E. Firm Registration # F-8266
 9701 BRODIE LANE #203
 AUSTIN, TX 78748
 PH: 512.220.8100

TXDOT SPEC	ITEM DESCRIPTION	UNITS	BASE BID					
			OLD HWY 290	JUDY DR.	BONNIE DR.	ADD ALT 1: JUDY DR. FULL DEPTH	ADD ALT 2: RETHA DR. FOG SEAL	BUTLER RANCH ROAD
			QTY	QTY	QTY	QTY	QTY	QTY
0110 6001	EXCAVATION (ROADWAY)	CY				284		
0310 6001	PRIME COAT (MULTI OPTION)	GAL	1,289	395	592	240		231
0315 6001	FOG SEAL (NT-HRE 66/33)	GAL					232	
0351 6002	FLEXIBLE PAVEMENT STRUCTURE REPAIR(6")	SY	346					
0354 6002	PLAN & TEXT ASPH CONC PAV(0" TO 2")	SY	6,095	1973	2,959			1,152
3076 6066	TACK COAT	GAL						151
3076 6081	D-GR HMA TY-D PG70-22 (EXEMPT) (2 IN)	SY	6,095	1973	2,959	1197		2,658
3076 6081	D-GR HMA TY-D PG70-22 (EXEMPT) (6 IN)	SY	346					
0247 6041	FL BS (CMP IN PLC)(TYA GR1-2)(FNAL POS)(6")	SY				1306		
0500 6001	MOBILIZATION	LS	1	1	1	1	1	1
0502 6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	0.50	0.25	0.25	0.25	0.25	0.25
0666 6126	REFL PAV MRK TY I (Y)4"(SLD)(100MIL)	LF	4,740					
0666 6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF			32		39	16
0666 6207	REFL PAV MRK TY II (Y) 4" (SLD)	LF	10					
0672 6009	REFL PAV MRKR TY II-A-A	EA	60					

ENGINEER'S SEAL:

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PROJECT:

2024 ROADWAY MAINTENANCE PROJECT

SHEET TITLE:

SCHEDULE OF QUANTITIES

NOTES RELATED TO PAY ITEMS AND SPECIFICATIONS

WHERE HAYS COUNTY SPECIFICATIONS FOR ROADWAY DESIGN, PAVING AND DRAINAGE ARE IN CONFLICT WITH TXDOT SPECIFICATIONS LISTED ABOVE HAYS COUNTY SPECIFICATIONS SHALL SUPERSEDE. WHERE ADDITIONAL INFORMATION PROVIDED BELOW CONFLICTS WITH EITHER THE TXDOT OR HAYS COUNTY SPECIFICATIONS THE INFORMATION BELOW SHALL SUPERSEDE.

TXDOT ITEM 310 - PRIME COAT

ALLOW PRIME COAT MATERIAL TO CURE PRIOR TO PLACING HMA. AE-P PRIME COAT SHALL BE ALLOWED TO CURE 48 TO 72 HOURS, ALTERNATIVELY CSS-1H DILUTED TO 30/70 MAY BE USED TO ALLOW A RAPID CURING (TYPICALLY 2 HOURS)

TXDOT ITEM 315 - FOG SEAL

HIGH PERFORMANCE FOG SEAL ASPHALT EMULSION SHALL BE TYPE NT-HRE 66/33 PER TXDOT SPECIAL SPECIFICATION 3096, APPLIED AT A RATE OF 0.10 GAL/SY.

TXDOT ITEM 0351 - FLEXIBLE PAVEMENT STRUCTURE REPAIR

SAWCUTTING, REMOVAL OF EXISTING MATERIAL, RESHAPING, PREPARING AND COMPACTING EXISTING BASE MATERIAL IS SUBSIDIARY TO THIS ITEM FOR AREAS IDENTIFIED AS PAVEMENT REPAIR IN THE PLANS. ALL ASPHALT PLACEMENT IS PAID FOR BY ITEM 3076.

TXDOT ITEM 0678 - PAVEMENT SURFACE PREPARATION FOR MARKINGS

NO SEPARATE PAYMENT WILL BE MADE FOR PAVEMENT SURFACE PREPARATION, THIS IS SUBSIDIARY TO APPLICABLE BID ITEMS.

TXDOT ITEM 3076 - HOT MIX ASPHALT CONCRETE PAVEMENT

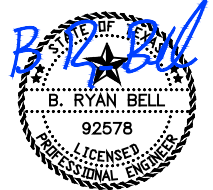
HMAC SHALL BE PAID FOR BY THE SQUARE YARD (SY).
 HMAC SHALL BE APPLIED AT THE FOLLOWING RATES:

HMAC TY D 115 LB/SY/IN
 PRIME COAT 0.2 GAL/SY

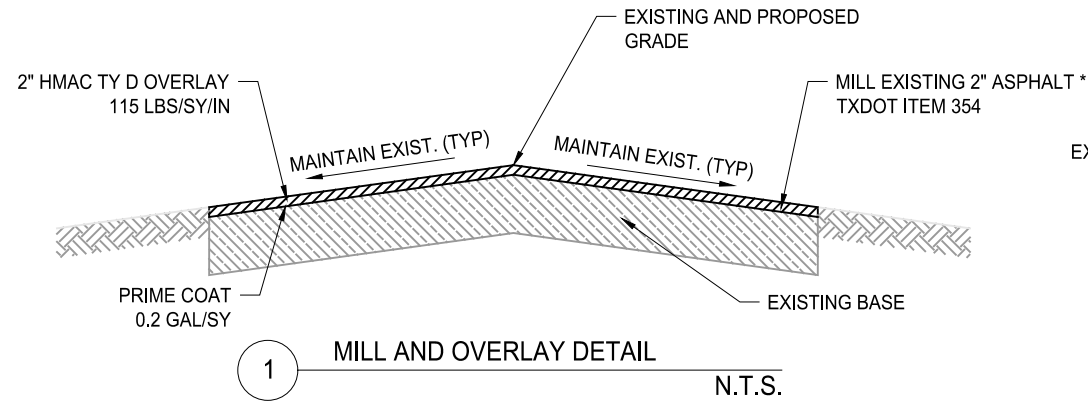
TACK COAT 0.1 GAL/SY

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ENGINEER'S SEAL:

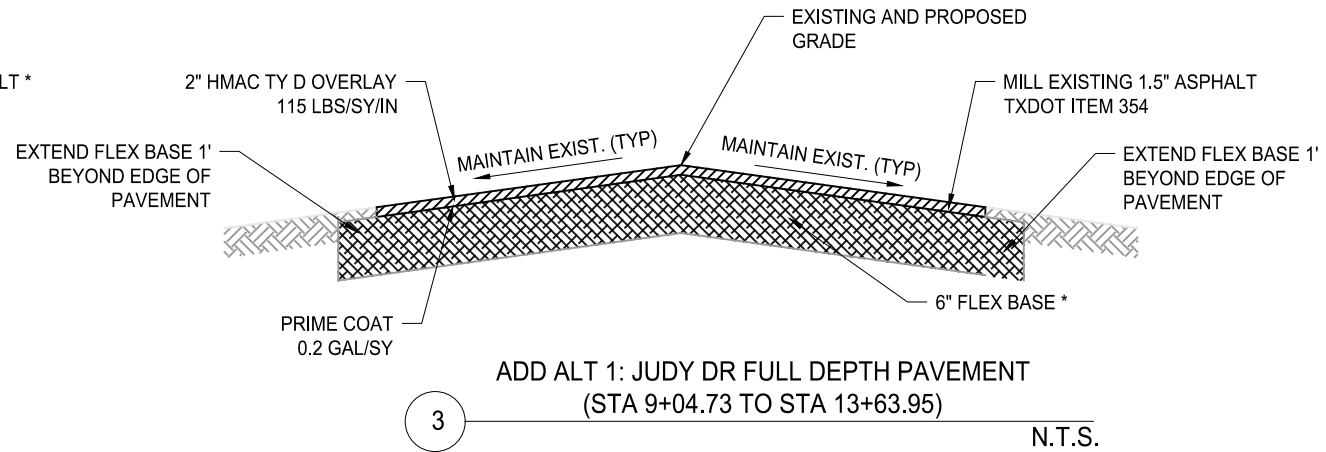


6/24/2024

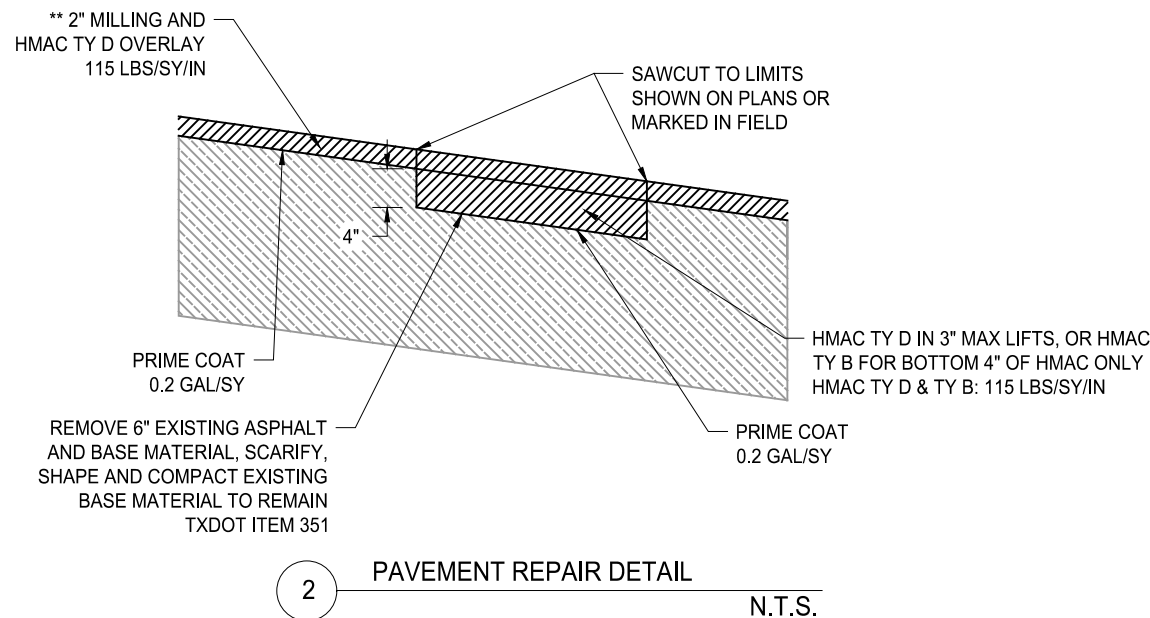


NOTE: MILL DEPTH VARIES BASED ON EXISTING PAVEMENT SECTION - REFER TO EXISTING PAVEMENT THICKNESS SUMMARY TABLE

* MILL EXISTING 1.5" ASPHALT (TXDOT ITEM 354) ON JUDY DR ONLY.

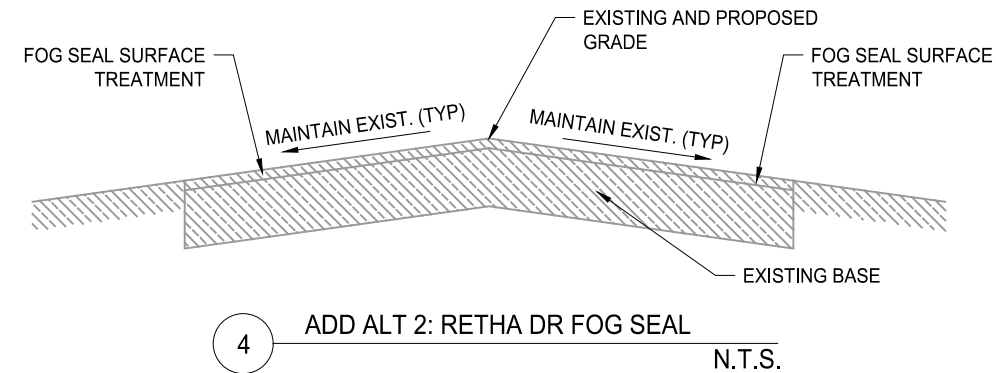


NOTE: MILL DEPTH VARIES BASED ON EXISTING PAVEMENT SECTION - REFER TO EXISTING PAVEMENT THICKNESS SUMMARY TABLE



NOTE: CONTRACTOR SHALL MARK LIMITS OF PAVEMENT REPAIR FOR REVIEW BY THE CITY ENGINEER PRIOR TO COMMENCING WORK.

** 1.5" - 2" MILLING AND HMAC TY D OVERLAY ON OLD HWY 290 ONLY.



FOG SEAL APPLICATION NOTES:

1. SWEEP EXISTING ROADWAY NO MORE THAN 2 HOURS PRIOR TO INITIATING FOG SEAL OPERATIONS.
2. PERFORM FOG SEAL IN ACCORDANCE WITH TXDOT ITEM 315. SPRAY FOG SEAL ASPHALT EMULSION (NT-HRE 66/33 HIGH PERFORMANCE FOG SEAL PER TXDOT SPECIAL SPECIFICATION 3096, PLACED AT 0.10 GAL/SY).
3. PERFORM FINAL CLEANUP IN ACCORDANCE WITH COA SS314.

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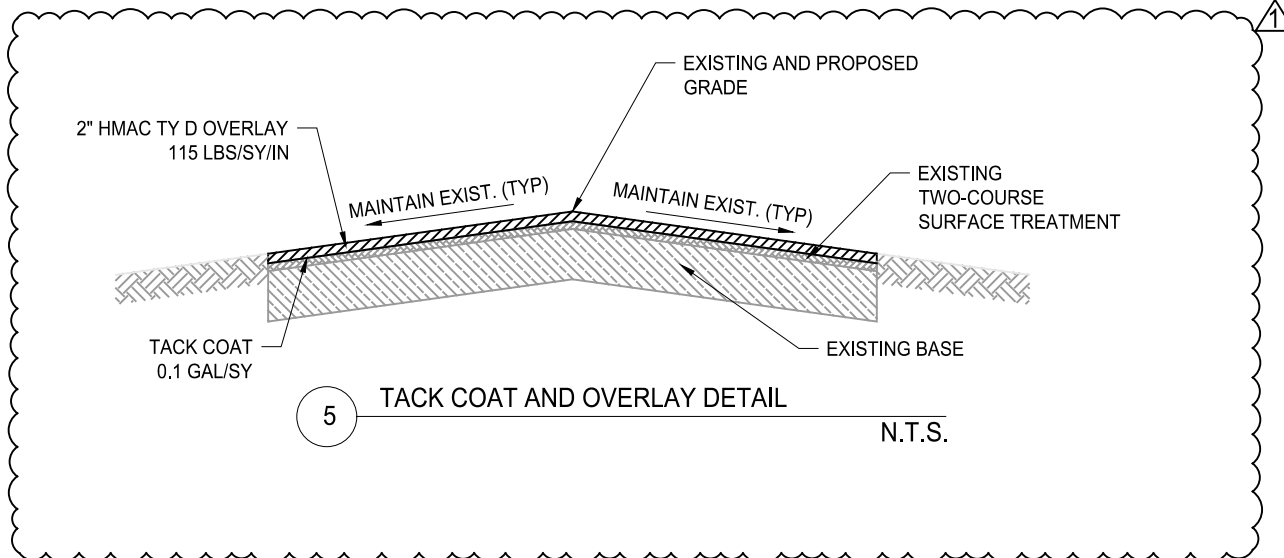


PROJECT:

2024 ROADWAY MAINTENANCE PROJECT

SHEET TITLE:

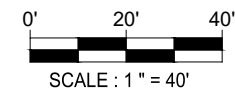
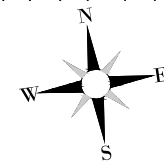
PAVING TYPICAL SECTIONS




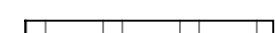
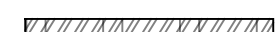


Boring Summary Table			
Roadway	Boring No.	Asphalt Thickness (in.)	Flexible Base Thickness (in.)
Old Highway 290	OH-1	1-1/2	4
	OH-2	2	4
	OH-3	2	4
Bonnie Dr	B-1	2	6
	B-2	2	6
Judy Dr	J-1	1-1/2	4
	J-2	1	1/2
Retha Dr	R-1	2-1/2	4
	R-2	3	2

NOTES:

1. ALL HMAC TY D SHALL BE PG70-22.
2. PLACE PRIME COAT ON BASE OR SUBGRADE SURFACE PRIOR TO PLACING NEW HMAC MATERIAL.
3. ALLOW PRIME COAT MATERIAL TO CURE PRIOR TO PLACING HMAC. AE-P PRIME COAT SHALL BE ALLOWED TO CURE 48 TO 72 HOURS, ALTERNATIVELY CSS-1H DILUTED TO 30/70 MAY BE USED TO ALLOW A RAPID CURING (TYPICALLY WITHIN 2 HOURS)



LEGEND

-  MILL AND OVERLAY (SEE DETAIL 1 SHEET 4)
-  TACK COAT AND OVERLAY (SEE DETAIL 5 SHEET 4)
-  MILL AND OVERLAY TRANSITION
-  EXIST PARCELS & R.O.W. (APPROX LINWORK PER HAYS CAD)
-  REFL PAV MRK TY I & II (SLD) 24"

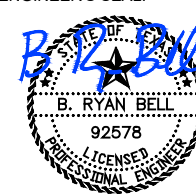
NOTES:

1. CONTRACTOR TO MATCH EXISTING GRADE, MAINTAIN EXISTING DRAINAGE CONTOURS & DRAINAGE PATTERNS UNLESS OTHERWISE NOTED.
2. CONTRACTOR TO RE-VEGETATE ALL DISTURBED AREAS UPON COMPLETION OF THE WORK IN COMPLIANCE WITH THE ENVIRONMENTAL NOTES AND SPECIFICATIONS IN THESE DOCUMENTS.
3. CONTRACTOR SHALL ADJUST TO PROPOSED FINISHED GRADE ALL EXISTING VALVES, MANHOLES, MANHOLE COVERS, CLEANOUTS, INLET COVERS AND/OR ANY OTHER OBJECTS WITHIN THE PROJECT AREA, IF APPLICABLE.
4. CONTRACTOR SHALL SAW-CUT AND/OR ADJUST EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH AND CONTINUOUS TRANSITION GRADE.
5. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT BOTH OVERHEAD AND UNDERGROUND UTILITIES EXIST IN THE VICINITY OF THE CONSTRUCTION AREA, THE EXACT LOCATION OF UNDERGROUND UTILITIES IS NOT CERTAIN. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE AREA UTILITY COMPANIES FOR EXACT LOCATIONS AT LEAST 48 HOURS PRIOR TO CONSTRUCTION OR COMMENCING ANY WORK SO AS TO PREVENT ANY DAMAGE OR INTERFERENCE WITH PRESENT UTILITIES.
6. THE CONTRACTOR SHALL PROTECT ALL AREAS OF THE RIGHT-OF-WAY WHICH ARE NOT INCLUDED IN THE ACTUAL LIMITS OF THE PROPOSED CONSTRUCTION FROM DESTRUCTION. CARE SHALL BE EXERCISED TO PREVENT DAMAGE TO TREES, VEGETATION AND OTHER NATURAL SURROUNDINGS. THE CONTRACTOR, AT HIS EXPENSE, SHALL RESTORE ANY AREAS DISTURBED AS A RESULT OF THEIR OPERATIONS TO A CONDITION AS GOOD AS, OR BETTER THAN, THAT PRESENT PRIOR TO CONSTRUCTION.
7. A PRE-CONSTRUCTION MEETING WITH THE CITY ENGINEER AND CONTRACTOR IS REQUIRED PRIOR TO ANY SITE DISTURBANCE.
8. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY OBSTACLES THAT MAY IMPEDE OR PREVENT THE PROPER CONSTRUCTION OF THE PROJECT.
9. CONTRACTOR SHALL INSTALL EROSION AND SEDIMENTATION CONTROLS AS NEEDED TO PREVENT THE MIGRATION OF SEDIMENT DOWNSTREAM INTO EXISTING INFRASTRUCTURE OR ONTO ADJACENT PROPERTIES.
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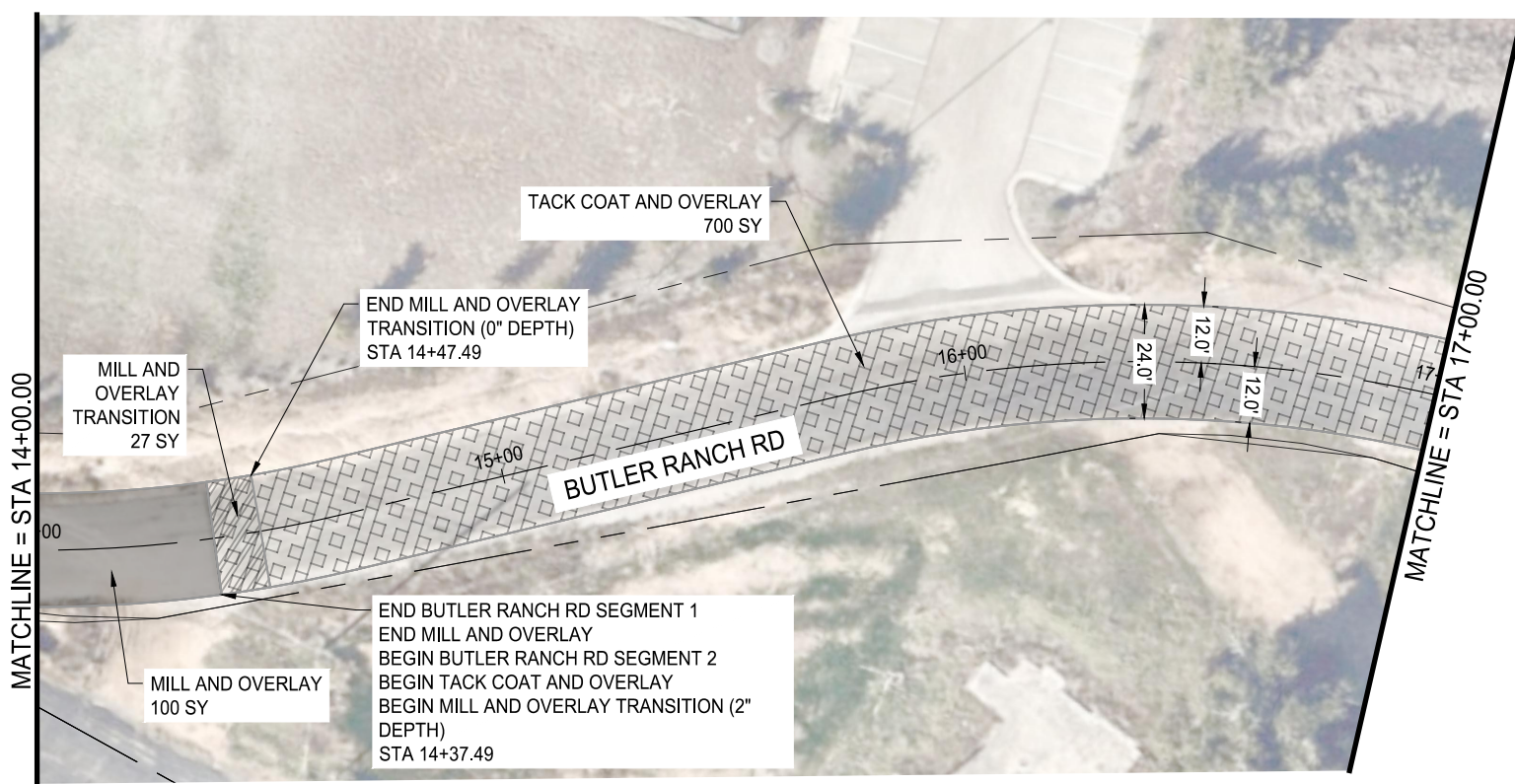
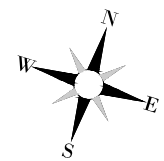
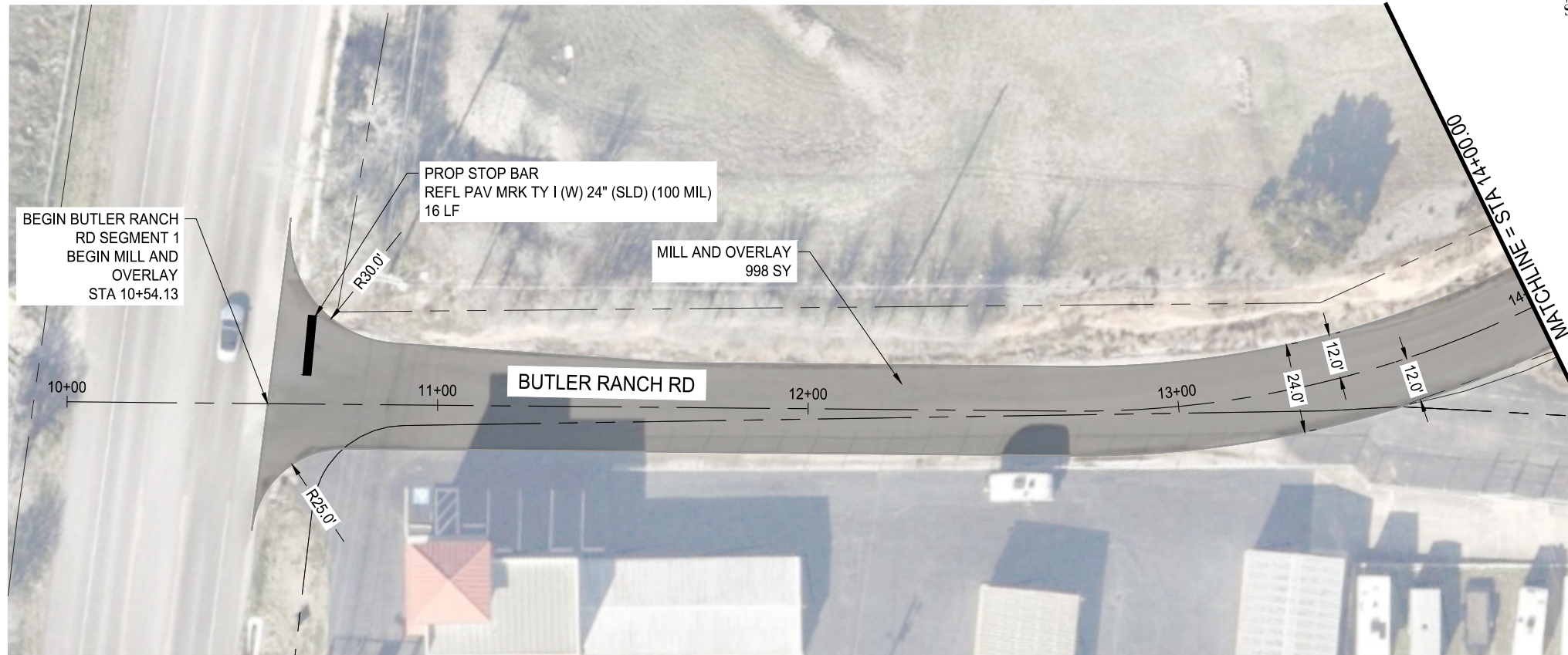
PROJECT:

**2024 ROADWAY
 MAINTENANCE
 PROJECT**

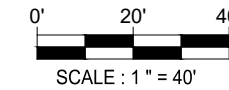
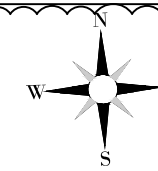
SHEET TITLE:

**PAVING PLAN
 RETHA DR
 1 OF 2**

14A OF 17



GV: PROJECTS\DS\CITY ENGINEERING\CITY PROJECTS\MAINT 2024\0002_Roadway\Maintenance\CAD\Sheets\SH-PavingPlan.dwg



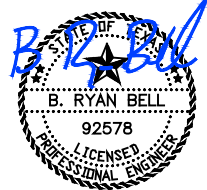
LEGEND

- TACK COAT AND OVERLAY
(SEE DETAIL 5 SHEET 4)
- MILL AND OVERLAY TRANSITION
- EXIST PARCELS & R.O.W.
(APPROX LINEWORK PER
HAYS CAD)

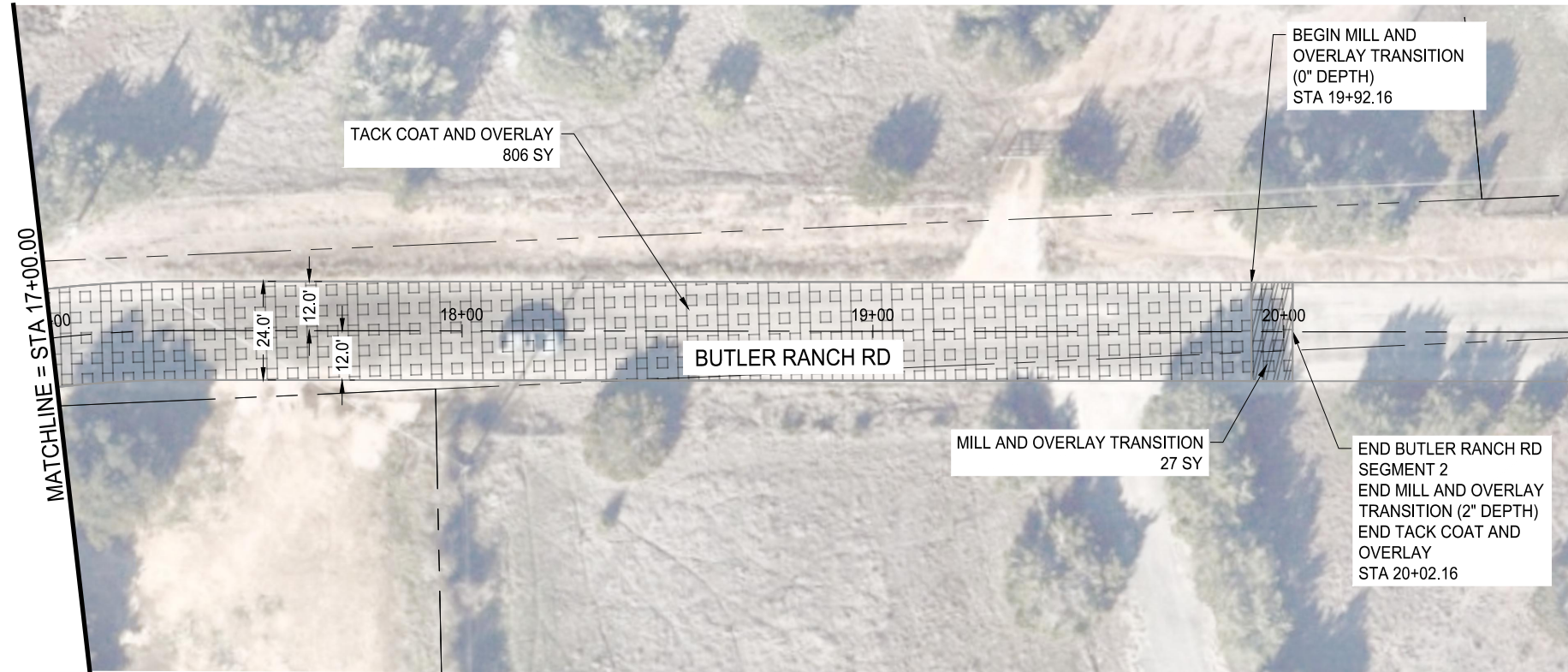


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**2024 ROADWAY
MAINTENANCE
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SHEET TITLE:

**PAVING PLAN
RETHA DR
1 OF 2**