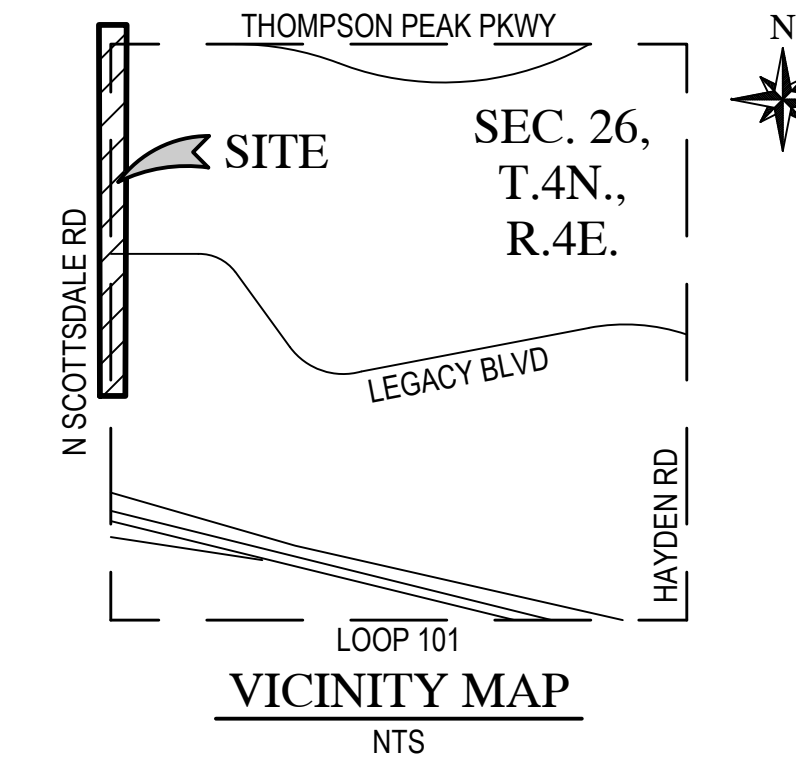


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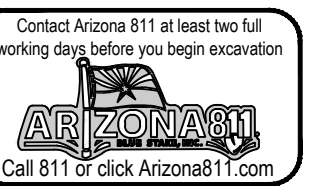
SCOTTSDALE ROAD HENKEL WAY TO THOMPSON PEAK PKWY PAVING PLAN SCOTTSDALE, ARIZONA

A PORTION OF SECTIONS 23, 26, & 27, TOWNSHIP 4 NORTH, RANGE 4 EAST
OF THE GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA



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CITY OF SCOTTSDALE GENERAL NOTES

GENERAL NOTES FOR PUBLIC WORKS CONSTRUCTION

- ALL CONSTRUCTION IN THE PUBLIC RIGHTS-OF-WAY OR IN EASEMENTS GRANTED FOR PUBLIC USE MUST CONFORM TO THE LATEST MAG UNIFORM STANDARD SPECIFICATIONS AND UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION AS AMENDED BY THE LATEST VERSION OF THE CITY OF SCOTTSDALE SUPPLEMENTAL STANDARD SPECIFICATIONS AND SUPPLEMENTAL STANDARD DETAILS. IF THERE IS A CONFLICT, THE CITY'S SUPPLEMENTAL STANDARD DETAILS WILL GOVERN.
- THE CITY ONLY APPROVES THE SCOPE, NOT THE DETAIL, OF ENGINEERING DESIGNS; THEREFORE, IF CONSTRUCTION QUANTITIES ARE SHOWN ON THESE PLANS, THEY ARE NOT VERIFIED BY THE CITY.
- THE APPROVAL OF PLANS IS VALID FOR SIX (6) MONTHS. IF A RIGHT-OF-WAY PERMIT FOR THE CONSTRUCTION HAS NOT BEEN ISSUED WITHIN THIS TIME FRAME, THE PLANS MUST BE RESUBMITTED TO THE CITY FOR REAPPROVAL.
- A PUBLIC WORKS INSPECTOR WILL INSPECT ALL WORKS WITHIN THE CITY RIGHTS-OF-WAY AND IN EASEMENTS. NOTIFY INSPECTION SERVICES 24 HOURS PRIOR TO BEGINNING CONSTRUCTION BY CALLING 480-312-5750.
- WHENEVER EXCAVATION IS NECESSARY, CALL THE BLUE STAKE CENTER, 811, TWO WORKING DAYS BEFORE EXCAVATION BEGINS. THE CENTER WILL SEE THAT THE LOCATION OF THE UNDERGROUND UTILITY LINES IS IDENTIFIED FOR THE PROJECT.
- RIGHT-OF-WAY PERMITS ARE REQUIRED FOR ALL WORK IN RIGHTS-OF-WAY AND EASEMENTS GRANTED FOR PUBLIC PURPOSES. A RIGHT-OF-WAY PERMIT WILL BE ISSUED BY THE CITY ONLY AFTER THE REGISTRANT HAS PAID A BASE FEE PLUS A FEE FOR INSPECTION SERVICES. COPIES OF ALL PERMITS MUST BE RETAINED ON-SITE AND BE AVAILABLE FOR INSPECTION AT ALL TIMES. FAILURE TO PRODUCE THE REQUIRED PERMITS WILL RESULT IN IMMEDIATE SUSPENSION OF ALL WORK UNTIL THE PROPER PERMIT DOCUMENTATION IS OBTAINED.
- ALL EXCAVATION AND GRADING THAT IS NOT IN THE PUBLIC RIGHTS-OF-WAY OR NOT IN EASEMENTS GRANTED FOR PUBLIC USE MUST CONFORM TO APPENDIX J, GRADING, OF THE LATEST EDITION OF THE INTERNATIONAL BUILDING CODE. A PERMIT FOR THIS GRADING MUST BE SECURED FROM THE CITY FOR A FEE ESTABLISHED BY THE CITY.

ENGINEER'S NOTES

- MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION INCLUDING LATEST REVISION AND CURRENT SUPPLEMENTALS THEREOF PER THE LOCAL TOWN OR CITY) ARE INCORPORATED INTO THIS PLAN IN THEIR ENTIRETY.
- ALL WORK REQUIRED TO COMPLETE THE CONSTRUCTION COVERED BY THIS PLAN SHALL BE IN ACCORDANCE WITH THE M.A.G. STANDARD SPECIFICATIONS AND DETAILS AND CURRENT SUPPLEMENTS THEREOF PER THE LOCAL CITY OR TOWN UNLESS SPECIFIED OTHERWISE IN THESE PLANS OR ELSEWHERE IN THE CONTRACT DOCUMENTS. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH ALL REQUIRED STANDARD SPECIFICATIONS, DETAILS AND SUPPLEMENTS PRIOR TO BIDDING THE WORK FOR THE CONSTRUCTION COVERED BY THIS PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, SEQUENCING, AND SAFETY CONCERNS ASSOCIATED WITH THIS PROJECT DURING CONSTRUCTION, UNLESS SPECIFICALLY ADDRESSED OTHERWISE IN THIS PLAN OR ELSEWHERE IN THE CONTRACT.
- THE CONTRACTOR IS TO COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS APPLICABLE TO THE CONSTRUCTION COVERED BY THIS PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS REQUIRED TO COMPLETE ALL WORK COVERED BY THIS PLAN.
- THE QUANTITIES AND SITE CONDITIONS DEPICTED IN THESE PLANS ARE FOR GENERAL INFORMATIONAL PURPOSES ONLY AND MIGHT NOT REFLECT ACTUAL QUANTITIES AND SITE CONDITIONS. CONTRACTORS SHALL SATISFY THEMSELVES AS TO ACTUAL QUANTITIES AND SITE CONDITIONS PRIOR TO BIDDING THE WORK FOR THE CONSTRUCTION COVERED BY THIS PLAN.
- A REASONABLE EFFORT HAS BEEN MADE TO SHOW THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES AND UTILITIES IN THE CONSTRUCTION AREA. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES AND/OR FACILITIES CAUSED DURING THEIR CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL CALL 48 HOURS IN ADVANCE FOR BLUE STAKE (1-800-STAKE-IT) PRIOR TO ANY EXCAVATION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION OF CONSTRUCTION AFFECTING UTILITIES AND THE COORDINATION OF ANY NECESSARY UTILITY RELOCATION WORK.
- ALL PAVING, GRADING, EXCAVATION, TRENCHING, PIPE BEDDING, CUT FILL AND BACKFILL SHALL COMPLY WITH THE RECOMMENDATIONS SET FORTH IN THE SOILS (GEOTECHNICAL) REPORT FOR THIS PROJECT IN ADDITION TO THE REFERENCED REQUIRED SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL BE AWARE THAT CERTAIN UTILITIES REQUIRE PROPER ATTENTION AND CAREFUL PLANNING DURING SITE CONSTRUCTION. PLEASE NOTE THAT UTILITIES ON THESE PLANS MAY NOT EXHIBIT THE FULL PROTECTIVE COVER REQUIRED DURING THE SUBGRADE PREPARATION PHASE OF THE CONSTRUCTION. IN SUCH INSTANCES, THE CONTRACTOR SHALL PROVIDE ADDITIONAL PROTECTION (SUCH AS RAMPING) OR INCREASED PIPE STRENGTH TO PROVIDE THE NECESSARY PROTECTION REQUIRED TO PREVENT DAMAGE DURING THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL HOLD THE ENGINEER HARMLESS IN ALL CASES FOR DAMAGES TO UTILITIES WHERE INADEQUATE PROTECTIVE MEASURES OCCUR.
- THE CONTRACTOR IS TO VERIFY THE LOCATION AND THE ELEVATIONS OF ALL EXISTING UTILITIES AT POINTS OF TIE-IN PRIOR TO COMMENCING ANY NEW CONSTRUCTION. SHOULD ANY LOCATION OR ELEVATION DIFFER FROM THAT SHOWN ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AGENT.
- CONTRACTOR TO VERIFY AND COORDINATE ALL DIMENSIONS AND SITE LAYOUT WITH ARCHITECT'S FINAL SITE PLAN AND FINAL BUILDING DIMENSIONS BEFORE STARTING WORK. REPORT DISCREPANCIES TO OWNER'S AGENT.
- COORDINATION BETWEEN ALL PARTIES IS ESSENTIAL PART OF CONTRACT.
- CONTRACTOR IS RESPONSIBLE FOR PROJECT AND SITE CONDITIONS, AND TO WORK WITH WEATHER CONDITIONS AS THE PROJECT SITE MAY BE LOCATED IN A FLOOD PRONE AREA AND SUBJECT TO FLOODING AND ITS HAZARDS.
- THE CONTRACTOR IS TO VERIFY THE LOCATION, ELEVATION, CONDITION, AND PAVEMENT CROSS-SLOPE OF ALL EXISTING SURFACES AT POINTS OF TIE-IN AND MATCHING, PRIOR TO COMMENCEMENT OF GRADING, PAVING, CURB AND GUTTER, OR OTHER SURFACE CONSTRUCTION. SHOULD EXISTING LOCATIONS, ELEVATIONS, CONDITION, OR PAVEMENT CROSS-SLOPE DIFFER FROM THAT SHOWN ON THESE PLANS, RESULTING IN THE DESIGN INTENT REFLECTED ON THESE PLANS NOT ABLE TO BE CONSTRUCTED, THE CONTRACTOR SHALL NOTIFY THE OWNER'S AGENT IMMEDIATELY FOR DIRECTION ON HOW TO PROCEED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL COSTS ASSOCIATED WITH CORRECTIVE ACTION IF THESE PROCEDURES ARE NOT FOLLOWED.
- CONTRACTOR IS RESPONSIBLE TO COORDINATE UTILITY CROSSINGS AT CULVERT CROSSINGS BEFORE STARTING WORK ON CULVERT. COORDINATE WITH OWNER REPRESENTATIVE. VERIFY UTILITY LINES AND/OR CONDUITS ARE IN PLACE BEFORE STARTING CULVERT WORK.
- CONSTRUCT RETENTION BASIN AS SHOWN. CONTRACTOR TO SCARIFY BOTTOM OF BASIN TWO FEET DEEP AND NOT ALLOW COMPACTION OVER 80%.
- THIS PROJECT REQUIRES A REGULAR ONGOING MAINTENANCE PROGRAM FOR THE DESIGNED DRAINAGE SYSTEM(S) TO PRESERVE THE DESIGN INTEGRITY AND THE ABILITY TO PERFORM ITS OPERATIONAL INTENT. FAILURE TO PROVIDE MAINTENANCE WILL JEOPARDIZE THE DRAINAGE SYSTEM(S) PERFORMANCE AND MAY LEAD TO ITS INABILITY TO PERFORM PROPERLY AND/OR CAUSE DAMAGE ELSEWHERE IN THE PROJECT.
- SEWER LINES DESIGNED IN PROFILE AND PUBLIC WATER LINES ARE REQUIRED TO BE ASBUILT AND THE INSTALLATION AND TESTING WITNESSED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH ARIZONA ADMINISTRATIVE CODES R18-9-E301 "4.01 GENERAL PERMIT: SEWAGE COLLECTIONS SYSTEMS" AND R18-5-507 AND 508 "APPROVAL OF CONSTRUCTION" AND "RECORD DRAWINGS", RESPECTIVELY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY OWNER 72 HOURS IN ADVANCE WHEN THOSE SYSTEMS ARE READY TO BE WITNESSED.
- THE WORK PRODUCT PRESENTED IS BELIEVED TO BE COMPLIANT WITH THE INTENT OF THE CURRENT AMERICANS DISABILITIES ACT (ADA) REQUIREMENTS AS INTERPRETED BY THE REVIEWING AGENCY(S). IF CONSTRUCTION OF THE PROJECT IS DELAYED, THIS WORK PRODUCT SHOULD BE UPDATED TO ACCOUNT FOR ANY RELEVANT ADA UPDATES BEFORE CONSTRUCTION BEGINS.
- LOWEST FLOOR (LF) REFERS TO EITHER FLOOR/SLAB ELEVATION OR TOP OF BASEMENT SLAB. LF ELEVATIONS ON THE GRADING AND DRAINAGE PLANS FOR RESIDENTIAL UNITS REFLECT SLAB ON GRADE CONDITIONS AND CANNOT BE LOWERED WITHOUT AGENCY APPROVAL IN LOCATIONS WHERE "SPECIAL FLOOD HAZARD AREAS" EXIST. IN NON-FLOOD HAZARD LOCATIONS, TO ENSURE THAT ADEQUATE RESIDENTIAL LOT DRAINAGE CAN BE ACHIEVED, A PROFESSIONAL ENGINEER SHOULD BE CONSULTED IF THE LF FOR THE SLAB IS PROPOSED TO BE LOWERED, OR IF A BASEMENT IS TO BE CONSTRUCTED.

BASIS OF BEARING

THE HORIZONTAL DATUM FOR THIS SURVEY IS BASED ON THE MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION (MCDOT) GEODETIC DENSIFICATION AND CADASTRAL SURVEY (GDACS) WEBSITE "WWW.MCDOT.MARICOPA.GOV", UNDER THE SURVEY INFORMATION LINK ON MARCH 29, 2006.

PROJECTION: ARIZONA CENTRAL ZONE, NAD 83, (EPOCH 92)
DATUM: GRS-80
UNITS: INTERNATIONAL FEET
GEOID MODEL: GEOID 03

CONTROL POINT: 1H42
PID: A/3694
LATITUDE: 33° 41' 03.58979" N
LONGITUDE: 111° 56' 34.12945" W
ELLIPSOID HEIGHT: 489.76M
DESCRIPTION: STAINLESS STEEL ROD

MODIFIED TO GROUND AT (GRID) N: 976521.464, E: 692046.432,
USING A SCALE FACTOR OF 1.0001766565.

HORIZONTAL ADJUSTMENT: N: - 0.60, E: - 4.234
HORIZONTAL ROTATION: NONE

RESULTING IN A LOCAL COORDINATE ORIGIN OF (GROUND)
N: 976520.864, E: 692042.198.

PROJECT DESCRIPTION

WIDENING OF SCOTTSDALE ROAD FROM HENKEL WAY TO THOMPSON PEAK PARKWAY.

BENCHMARK

THE VERTICAL DATUM FOR THIS SURVEY IS BASED ON A MARICOPA COUNTY HIGHWAY DEPARTMENT BRASS CAP IN HANDHOLE, SCOTTSDALE GPS POINT 2272, LOCATED AT THE INTERSECTION OF SCOTTSDALE ROAD AND THOMPSON PEAK PARKWAY, HAVING AN ELEVATION OF 1662.878, CITY OF SCOTTSDALE NAVD 88 DATUM.

I HEREBY CERTIFY THAT ALL ELEVATIONS REPRESENTED ON THIS PLAN ARE BASED ON NAVD 1988 AND MEET THE FEMA BENCHMARK MAINTENANCE (BMM) CRITERIA.

SOILS REPORT NOTE

A SOILS GEOTECHNICAL REPORT HAS BEEN PREPARED FOR THIS PROJECT TITLED SCOTTSDALE ROAD WIDENING. PROJECT NO 222164SA BY SPEEDIE AND ASSOCIATES, LLC. DATED DECEMBER 23, 2022

AS-BUILT CERTIFICATION

I HEREBY CERTIFY THAT THE "RECORD DRAWING" MEASUREMENTS AS SHOWN HEREON WERE MADE UNDER MY SUPERVISION OR AS NOTED AND ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR

DATE

SEAL

EARTHWORK QUANTITIES (ESTIMATED)

RAW CUT:	4,470 CY
RAW FILL:	87 CY

QUANTITIES ARE ESTIMATED IN PLACE. NO PRECOMPACTION, SHRINK OR SWELL IS ASSUMED.

PAVING/CONCRETE QUANTITIES	QTY	UNIT
7" AC (C-3/4) MIN OVER 9" ABC PER MAG SPECS	8,039	SY
4" ROLL CURB PER MAG STD DTL 220-1 TYPE "D"	31	LF
5" CONCRETE PER COS SPEC 340 WITH 6" ABC	4	SY
SAWCUT & REMOVE EXISTING PAVEMENT PER MAG STD DTL 350	682	SY
THICKENED EDGE PAVEMENT PER MAG STD DTL 201 SAFETY EDGE	2,885	LF
12" ABC SHOULDER PER MAG SPECS	1,522	SY
PAVEMENT MICROSEAL COAT, TYPE III AGGREGATE	30,268	SY
ADJUST MANHOLE FRAME & COVER PER MAG STD DLT 422	14	EA
PRIVATE DRIVE PAVEMENT	47	SY

NO CONFLICT SIGNATURE BLOCK					
UTILITY	UTILITY COMPANY	NAME OF COMPANY REPRESENTATIVE	TELEPHONE NUMBER	DATE CONTACTED	DATE SIGNED
ELECTRIC	ARIZONA PUBLIC SERVICE	HAILEY PARKS	602-493-4401	2/13/2023	
TELEPHONE	LUMEN	JEANETTE DEBOARD	480-221-7810	2/13/2023	
NATURAL GAS	SOUTHWEST GAS	ANDY SAKS	480-730-3857	2/13/2023	
CABLE TV	COX COMMUNICATIONS	JACOB HORSMAN	-	2/13/2023	
TELECOM	MCI-VERIZON	RICHARD YOUNG	602-615-8995	2/13/2023	
TELECOM	AT&T	TANYA HERNANDEZ	619-200-7896	2/13/2023	
TELECOM	CROWN CASTLE	COURTNEY BAILEY	724-416-0960	2/13/2023	
ENGINEER'S CERTIFICATION					
I, ETHAN BOYLE, P.E., AS THE ENGINEER OF RECORD FOR THIS DEVELOPMENT, HEREBY CERTIFY THAT ALL UTILITY COMPANIES LISTED ABOVE HAVE BEEN PROVIDED FINAL IMPROVEMENT PLANS FOR REVIEW, AND THAT ALL CONFLICTS IDENTIFIED BY THE UTILITIES HAVE BEEN RESOLVED. IN ADDITION, "NO CONFLICT" FORMS HAVE BEEN OBTAINED FROM EACH UTILITY COMPANY AND ARE INCLUDED IN THIS SUBMITTAL.					
SIGNATURE			DATE		

FEMA FIRM NOTE (ZONE X)

ACCORDING TO FEMA FLOOD INSURANCE RATE MAPPING, THE SUBJECT PROPERTY IS LOCATED IN "OTHER FLOOD AREAS "ZONE X" (ZONE X SHADED). ZONE X SHADED IS DESCRIBED AS: "AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD."

FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

MAP NUMBER	COMMUNITY NUMBER	PANEL NUMBER	SUFFIX	DATE OF FIRM	FIRM ZONE	BASE FLOOD ELEVATION (IN AO ZONE, USE DEPTH)
04013C	045012	1320	L	10/16/2013**	X	N/A

**REVISED TO REFLECT LOMR (CASE NUMBER 18-09-0732P-040051) EFFECTIVE: JUNE 14, 2019
REVISED TO REFLECT LOMR (CASE NUMBER 20-09-0698P-045012) EFFECTIVE: JANUARY 4, 2021

SCOTTSDALE ROAD
HENKEL WAY TO THOMPSON PEAK PKWY
PAVING PLAN
SCOTTSDALE, ARIZONA
COVER SHEET

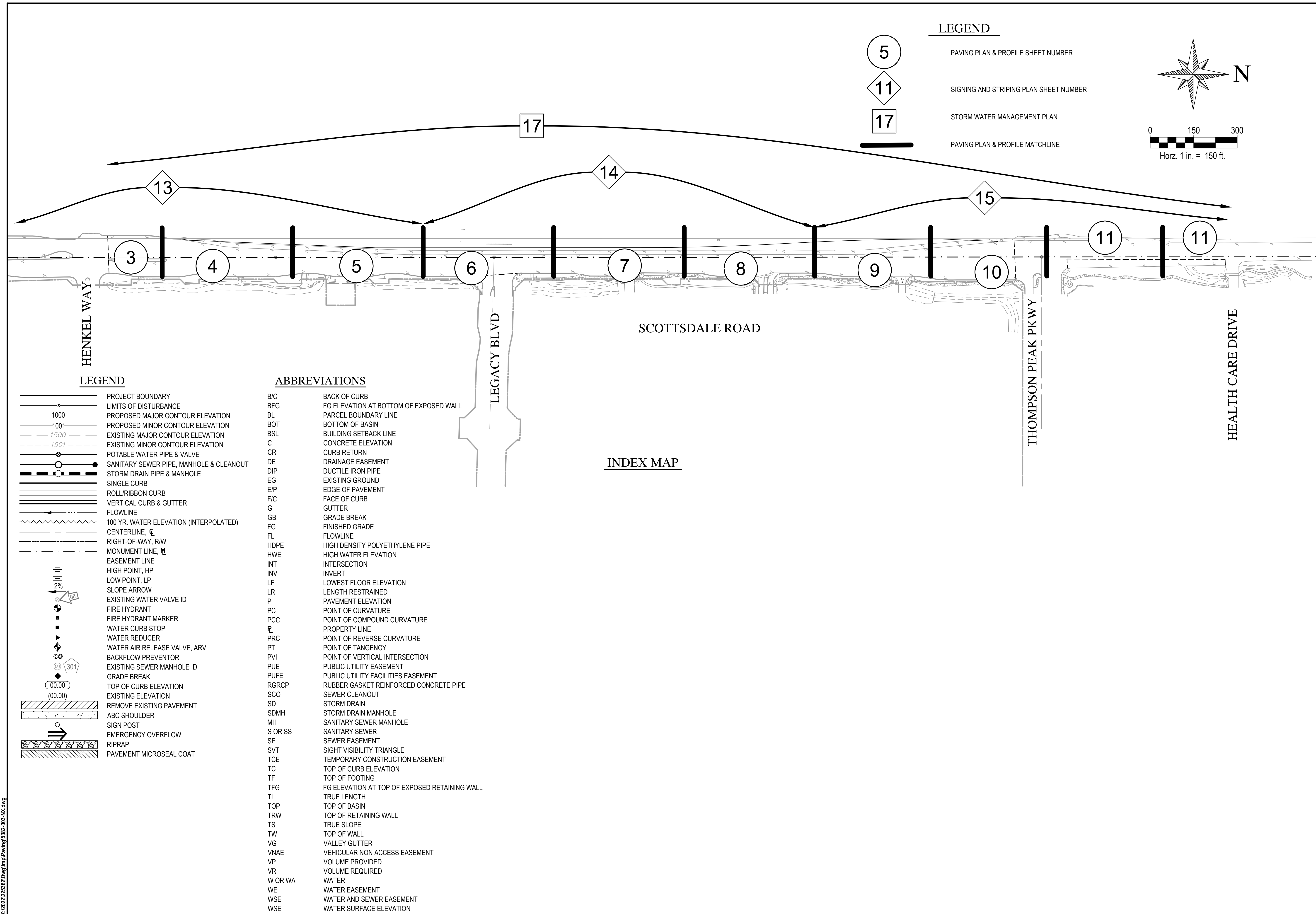
DATE	DESCRIPTION	REV

CITY OF SCOTTSDALE CIVIL APPROVAL			
REVIEW & RECOMMENDED APPROVAL BY:			
PAVING		TRAFFIC	
GRADING & DRAINAGE		PLANNING	
WATER & SEWER		FIRE	
RETAINING WALLS			
ENGINEERING COORDINATION MANAGER		DATE	

Professional Engineer (Civil)
ETHAN A. BOYLE, P.E.
ARIZONA P.U.S.A.
EXPIRES: 10/2023

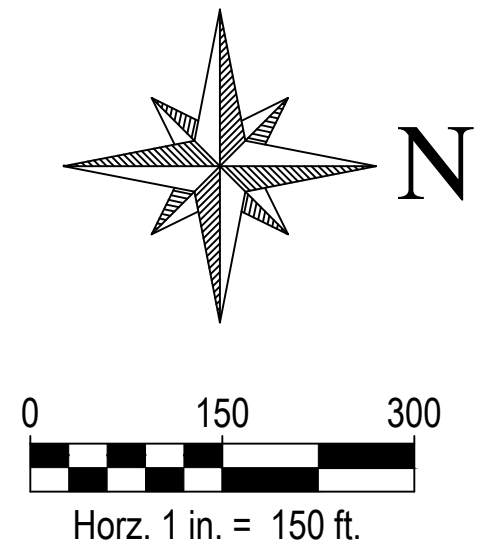
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SCALE (VERT.) N/A
DATE 2/13/2023
JOB NUMBER 225382
SHEET 1 OF 18

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LEGEND

- 5 PAVING PLAN & PROFILE SHEET NUMBER
- SIGNING AND STRIPING PLAN SHEET NUMBER
- 17 STORM WATER MANAGEMENT PLAN
- PAVING PLAN & PROFILE MATCHLINE



LEGEND

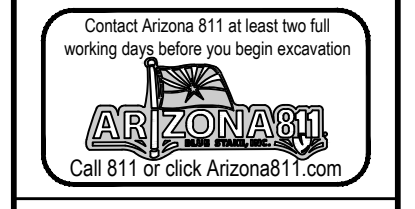
- PROJECT BOUNDARY
- LIMITS OF DISTURBANCE
- PROPOSED MAJOR CONTOUR ELEVATION
- PROPOSED MINOR CONTOUR ELEVATION
- EXISTING MAJOR CONTOUR ELEVATION
- EXISTING MINOR CONTOUR ELEVATION
- POTABLE WATER PIPE & VALVE
- SANITARY SEWER PIPE, MANHOLE & CLEANOUT
- STORM DRAIN PIPE & MANHOLE
- SINGLE CURB
- ROLL/RIBBON CURB
- VERTICAL CURB & GUTTER
- FLOWLINE
- 100 YR. WATER ELEVATION (INTERPOLATED)
- CENTERLINE, ζ
- RIGHT-OF-WAY, R/W
- MONUMENT LINE, μ
- EASEMENT LINE
- HIGH POINT, HP
- LOW POINT, LP
- SLOPE ARROW
- EXISTING WATER VALVE ID
- FIRE HYDRANT
- FIRE HYDRANT MARKER
- WATER CURB STOP
- WATER REDUCER
- WATER AIR RELEASE VALVE, ARV
- BACKFLOW PREVENTOR
- EXISTING SEWER MANHOLE ID
- GRADE BREAK
- TOP OF CURB ELEVATION
- EXISTING ELEVATION
- REMOVE EXISTING PAVEMENT
- ABC SHOULDER
- SIGN POST
- EMERGENCY OVERFLOW
- RIPRAP
- PAVEMENT MICROSEAL COAT

ABBREVIATIONS

- B/C BACK OF CURB
- BFG FG ELEVATION AT BOTTOM OF EXPOSED WALL
- BL PARCEL BOUNDARY LINE
- BOT BOTTOM OF BASIN
- BSL BUILDING SETBACK LINE
- C CONCRETE ELEVATION
- CR CURB RETURN
- DE DRAINAGE EASEMENT
- DIP DUCTILE IRON PIPE
- EG EXISTING GROUND
- E/P EDGE OF PAVEMENT
- F/C FACE OF CURB
- G GUTTER
- GB GRADE BREAK
- FG FINISHED GRADE
- FL FLOWLINE
- HDPE HIGH DENSITY POLYETHYLENE PIPE
- HWE HIGH WATER ELEVATION
- INT INTERSECTION
- INV INVERT
- LF LOWEST FLOOR ELEVATION
- LR LENGTH RESTRAINED
- P PAVEMENT ELEVATION
- PC POINT OF CURVATURE
- PCC POINT OF COMPOUND CURVATURE
- PL PROPERTY LINE
- PRC POINT OF REVERSE CURVATURE
- PT POINT OF TANGENCY
- PVI POINT OF VERTICAL INTERSECTION
- PUE PUBLIC UTILITY EASEMENT
- PUFE PUBLIC UTILITY FACILITIES EASEMENT
- RGRCP RUBBER GASKET REINFORCED CONCRETE PIPE
- SCO SEWER CLEANOUT
- SD STORM DRAIN
- SDMH STORM DRAIN MANHOLE
- MH SANITARY SEWER MANHOLE
- S OR SS SANITARY SEWER
- SE SEWER EASEMENT
- SVT SIGHT VISIBILITY TRIANGLE
- TCE TEMPORARY CONSTRUCTION EASEMENT
- TC TOP OF CURB ELEVATION
- TF TOP OF FOOTING
- TFG FG ELEVATION AT TOP OF EXPOSED RETAINING WALL
- TL TRUE LENGTH
- TOP TOP OF BASIN
- TRW TOP OF RETAINING WALL
- TS TRUE SLOPE
- TW TOP OF WALL
- VG VALLEY GUTTER
- VNAE VEHICULAR NON ACCESS EASEMENT
- VP VOLUME PROVIDED
- VR VOLUME REQUIRED
- W OR WA WATER
- WE WATER EASEMENT
- WSE WATER AND SEWER EASEMENT
- WSE WATER SURFACE ELEVATION

INDEX MAP

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**SCOTTSDALE ROAD
HENKEL WAY TO THOMPSON PEAK PKWY
PAVING PLAN
SCOTTSDALE, ARIZONA
KEY MAP SHEET**

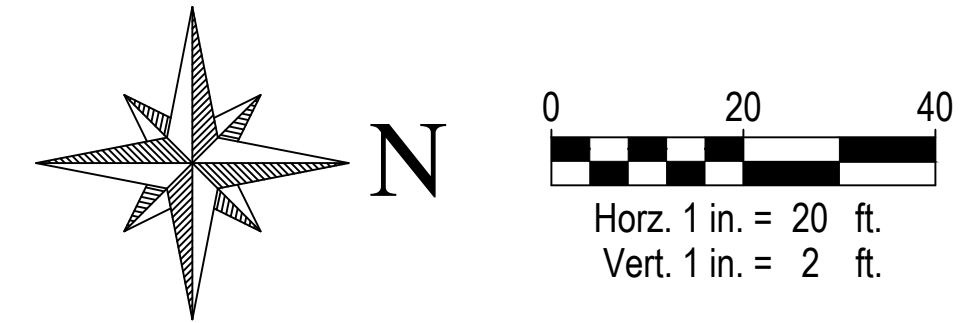
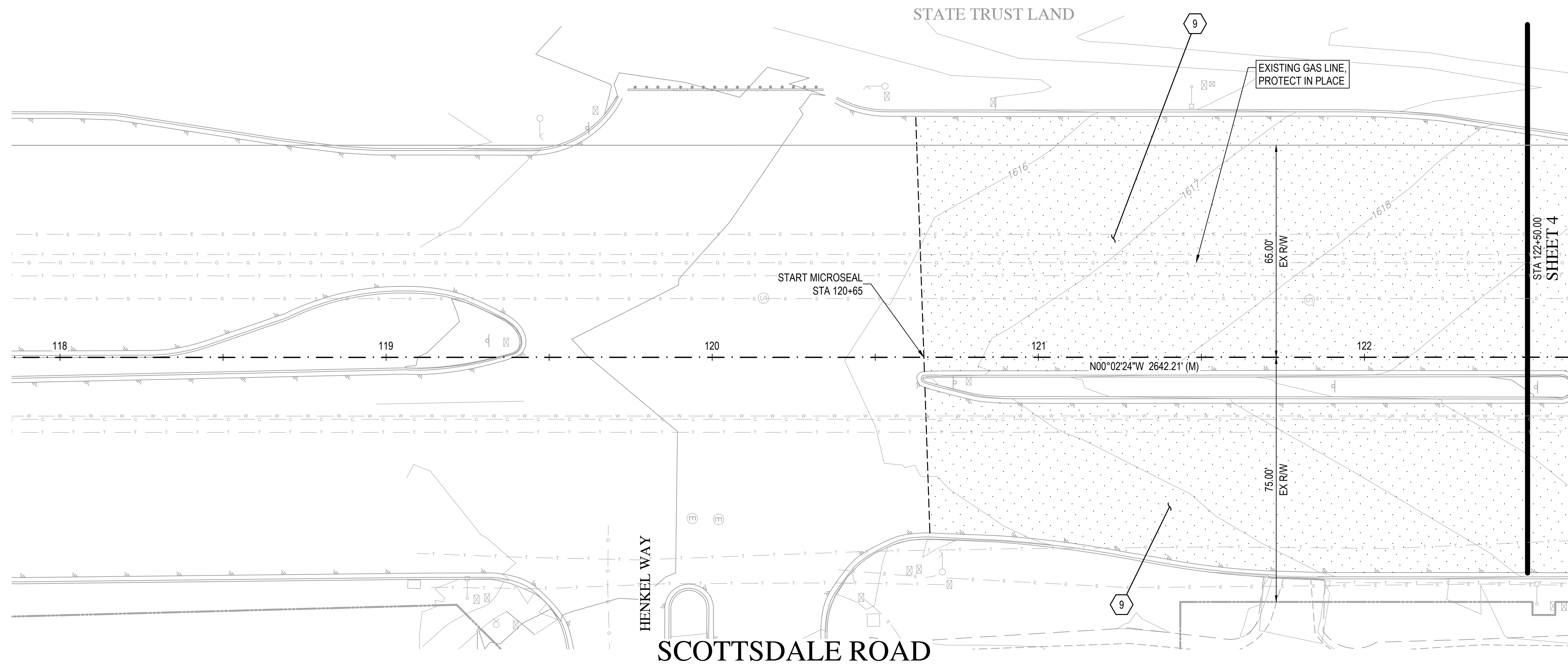
REV	DESCRIPTION	DATE

Professional Engineer Seal:
 REGISTERED PROFESSIONAL ENGINEER (Civil)
 ETHAN A. BOYLE
 No. 2113
 Exp. 2/13

SCALE (HORIZ.) 1" = 150'
 SCALE (VERT.) N/A
 DATE 2/13/2023
 JOB NUMBER 225382
 SHEET 2 OF 18

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PAVING NOTES

9 APPLY MICROSEAL TREATMENT IN ACCORDANCE WITH MAG SPEC SECTION 331, WITH TYPE III AGGREGATE PER MAG SPEC SECTION 714. SEAL COAT LIMITS PER PLAN.

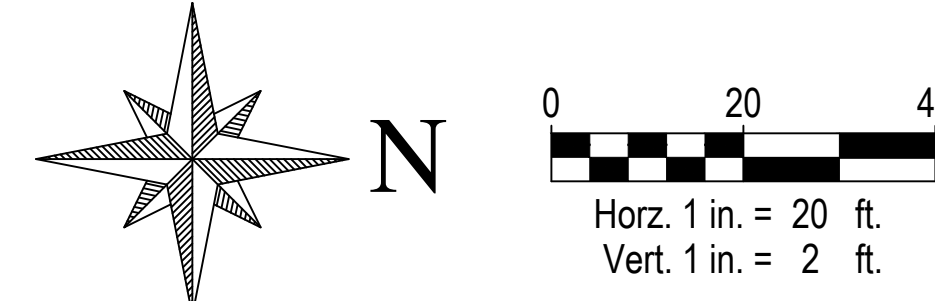
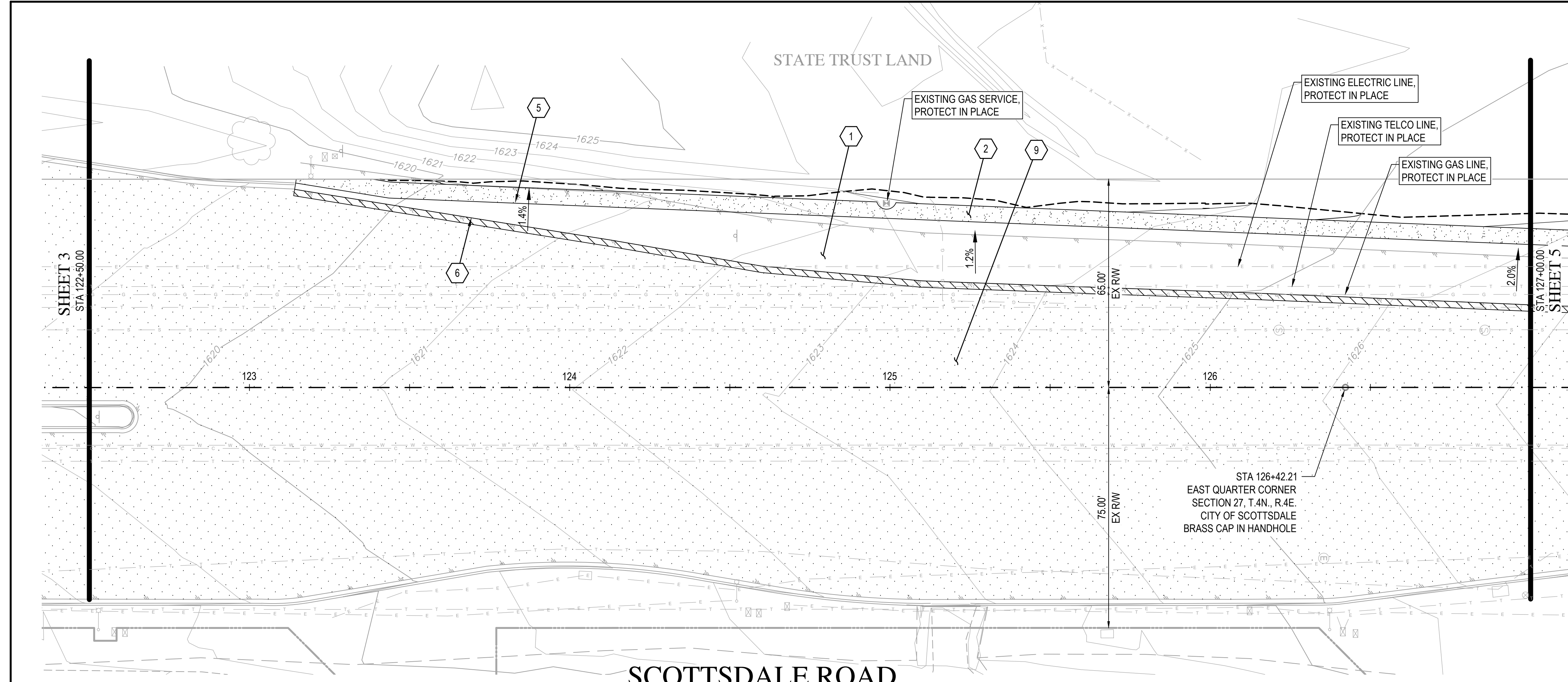


**SCOTTSDALE ROAD
 HENKEL WAY TO THOMPSON PEAK PKWY**
 PAVING PLAN
 SCOTTSDALE, ARIZONA
 PAVING PLAN AND PROFILE

REV	DESCRIPTION	DATE



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 DATE 2/13/2023
 JOB NUMBER 225382
 SHEET



WOOD PATEL

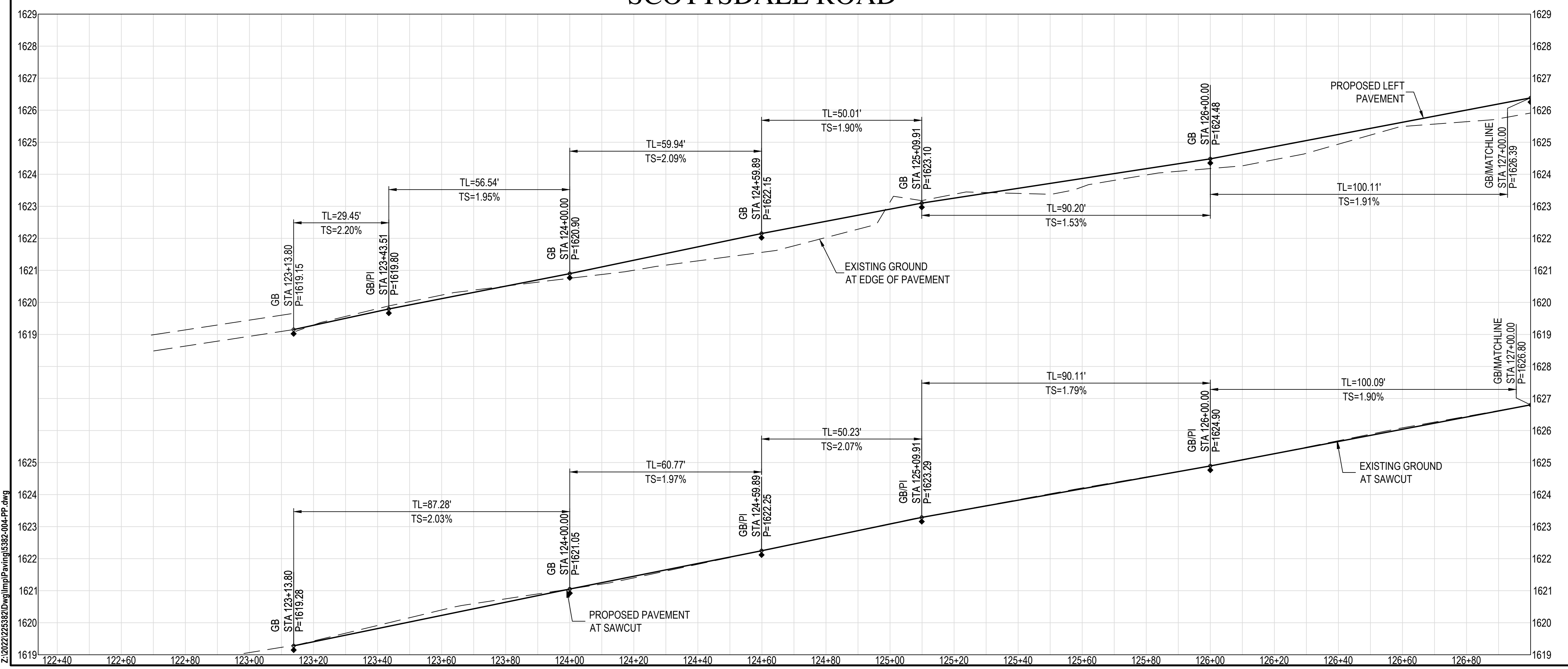
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PAVING NOTES

- 1 CONSTRUCT 7-IN AC ON 9-IN ABC PER GEOTECHNICAL RECOMMENDATIONS OR MATCH EXISTING PAVEMENT SECTION, WHICHEVER IS GREATER
- 2 CONSTRUCT 12-IN ABC SHOULDER
- 5 CONSTRUCT ASPHALT PAVEMENT EDGE PER MAG STD DTL 201 SAFETY EDGE
- 6 SAWCUT AND REMOVE 2-FT MINIMUM OF EXISTING PAVEMENT PER COS STD 2200
- 9 APPLY MICROSEAL TREATMENT IN ACCORDANCE WITH MAG SPEC SECTION 331, WITH TYPE III AGGREGATE PER MAG SPEC SECTION 714. SEAL COAT LIMITS PER PLAN.



**SCOTTSDALE ROAD
HENKEL WAY TO THOMPSON PEAK PKWY**
PAVING PLAN
SCOTTSDALE, ARIZONA
PAVING PLAN AND PROFILE

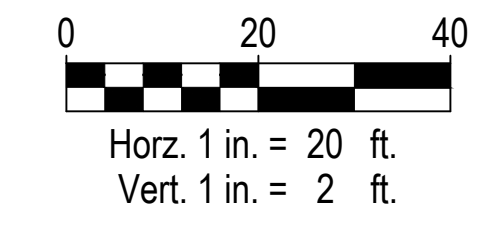
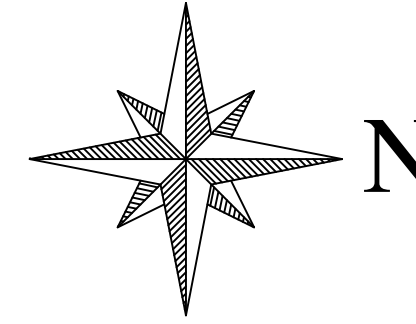


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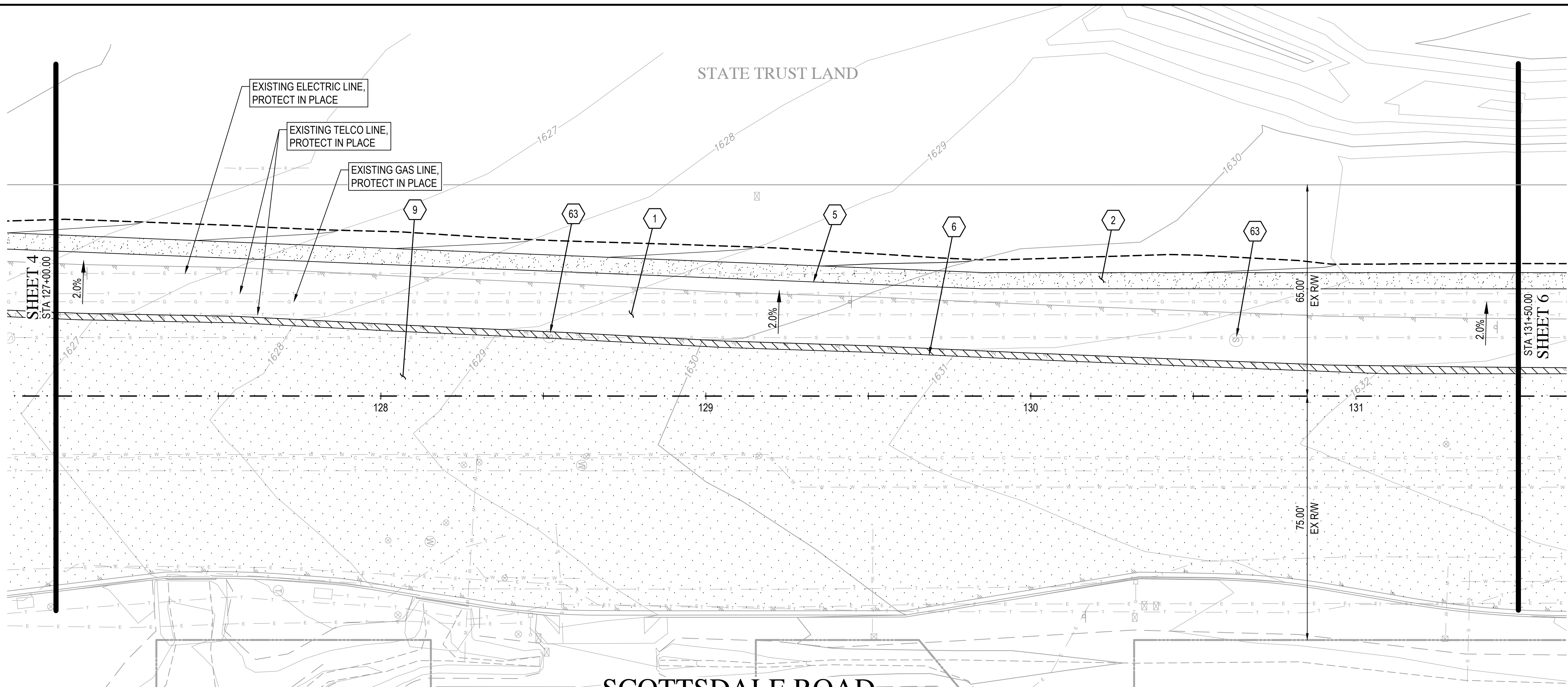
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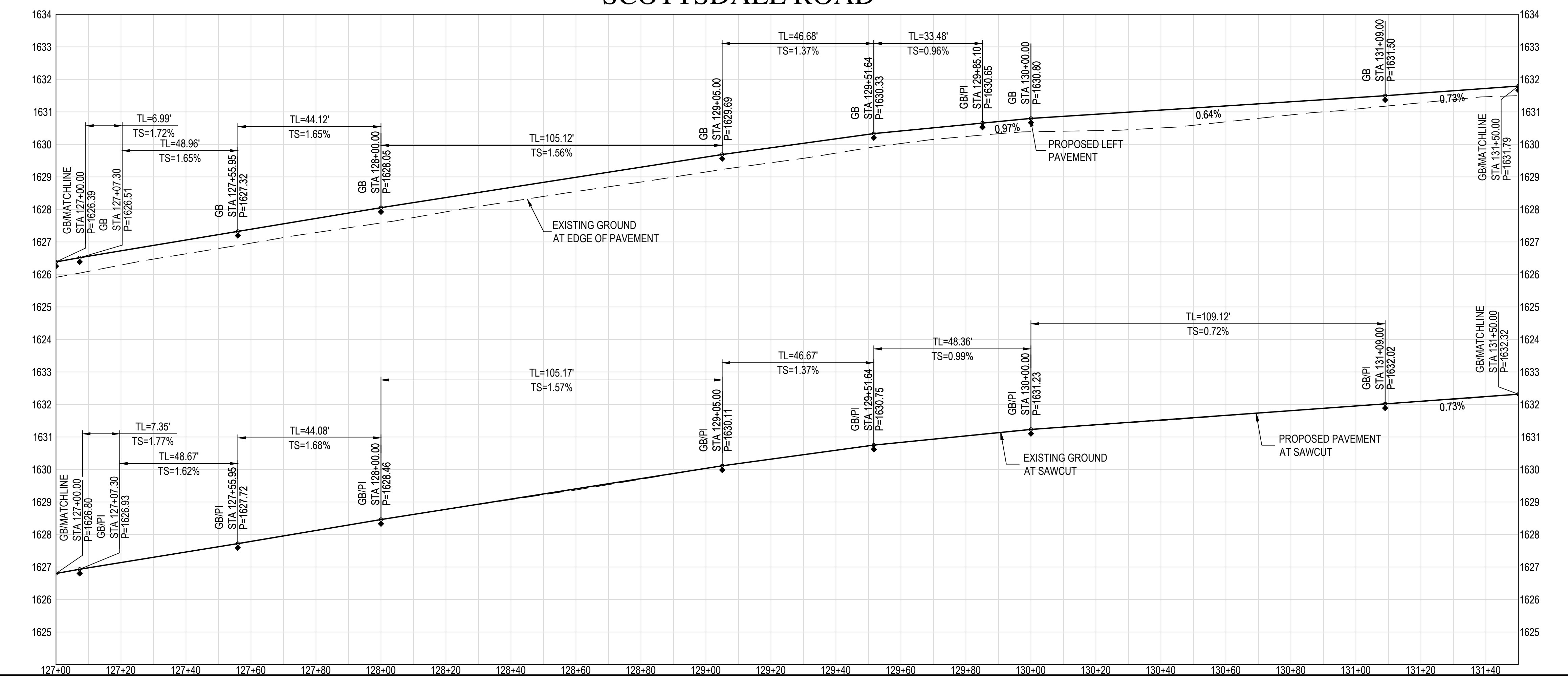


PAVING NOTES

- 1 CONSTRUCT 7-IN AC ON 9-IN ABC PER GEOTECHNICAL RECOMMENDATIONS OR MATCH EXISTING PAVEMENT SECTION, WHICHEVER IS GREATER
- 2 CONSTRUCT 12-IN ABC SHOULDER
- 5 CONSTRUCT ASPHALT PAVEMENT EDGE PER MAG STD DTL 201 SAFETY EDGE
- 6 SAWCUT AND REMOVE 2-FT MINIMUM OF EXISTING PAVEMENT PER COS STD 2200
- 9 APPLY MICROSEAL TREATMENT IN ACCORDANCE WITH MAG SPEC SECTION 331, WITH TYPE III AGGREGATE PER MAG SPEC SECTION 714. SEAL COAT LIMITS PER PLAN.
- 63 ADJUST MANHOLE FRAME & COVER PER MAG STD DTL 422 & MAG SPEC SECTION 345



SCOTTSDALE ROAD



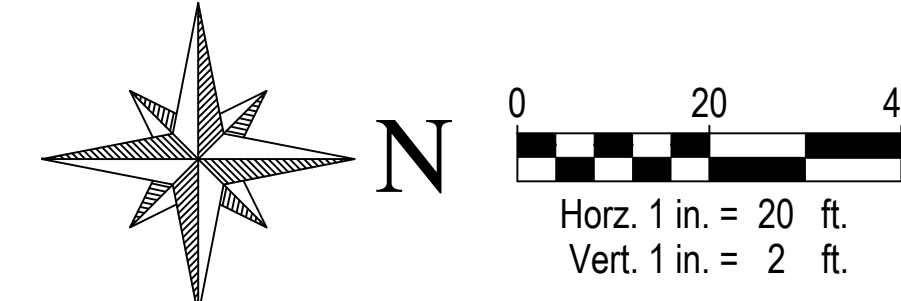
**SCOTTSDALE ROAD
HENKEL WAY TO THOMPSON PEAK PKWY
PAVING PLAN
SCOTTSDALE, ARIZONA
PAVING PLAN AND PROFILE**

REV	DESCRIPTION	DATE



SCALE (HORIZ.) 1" = 20'
SCALE (VERT.) 1" = 2'
DATE 2/13/2023
JOB NUMBER 225382
SHEET

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PAVING NOTES

- 1 CONSTRUCT 7-IN AC ON 9-IN ABC PER GEOTECHNICAL RECOMMENDATIONS OR MATCH EXISTING PAVEMENT SECTION, WHICHEVER IS GREATER
- 2 CONSTRUCT 12-IN ABC SHOULDER
- 5 CONSTRUCT ASPHALT PAVEMENT EDGE PER MAG STD DTL 201 SAFETY EDGE
- 6 SAWCUT AND REMOVE 2-FT MINIMUM OF EXISTING PAVEMENT PER COS STD 2200
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- 63 ADJUST MANHOLE FRAME & COVER PER MAG STD DTL 422 & MAG SPEC SECTION 345

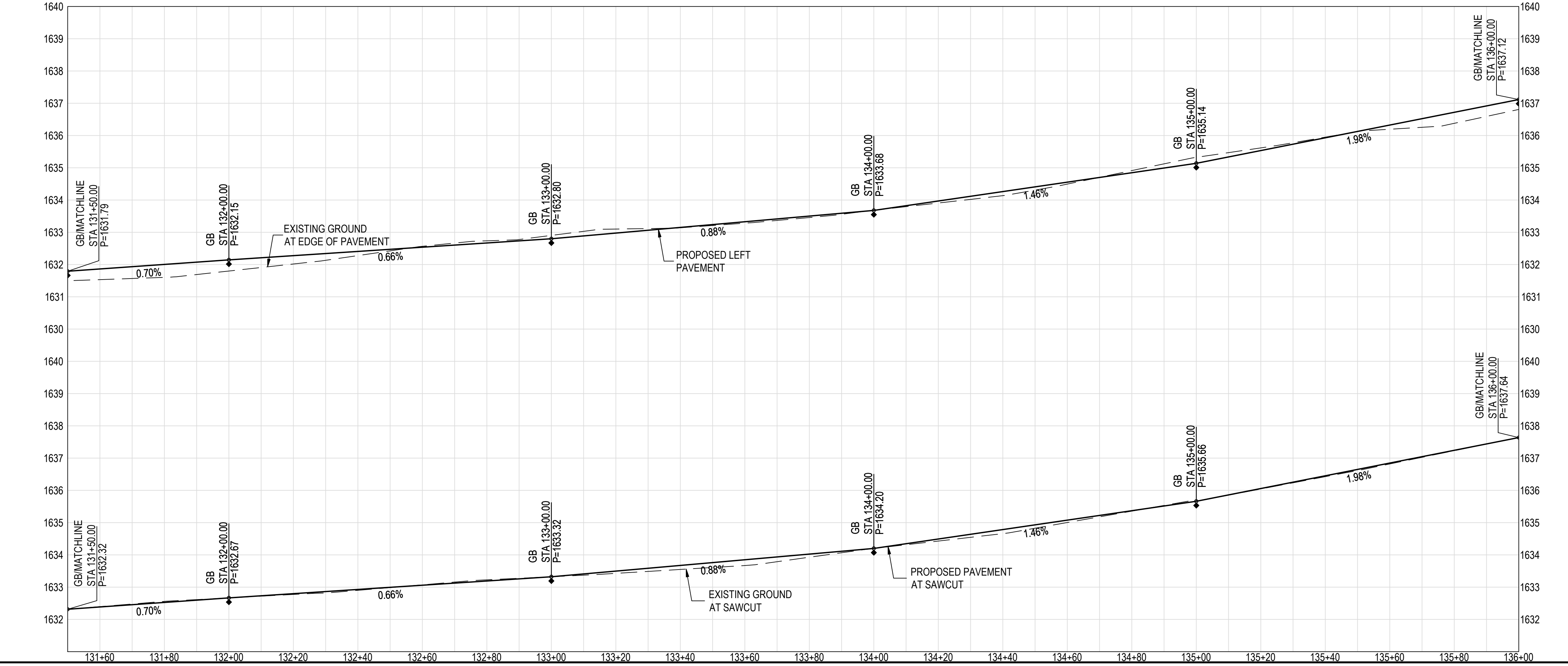
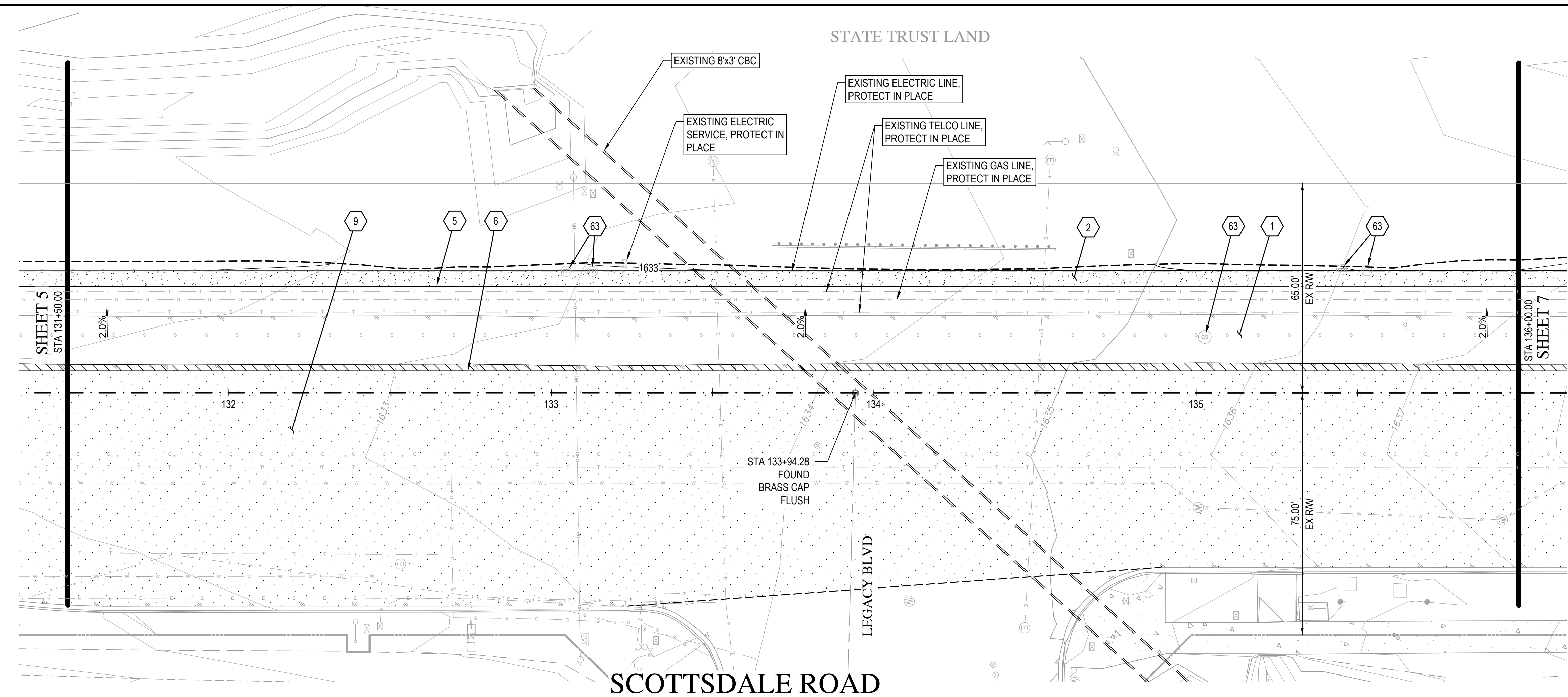


**SCOTTSDALE ROAD
HENKEL WAY TO THOMPSON PEAK PKWY
PAVING PLAN
SCOTTSDALE, ARIZONA
PAVING PLAN AND PROFILE**

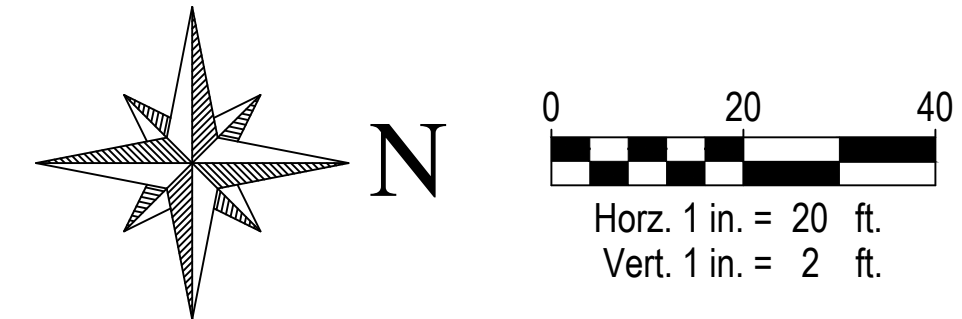
REV	DESCRIPTION	DATE

Register Professional Engineer (Civil)
Ethan A. Boyle
License No. 8109
Expires 2/13

SCALE (HORIZ.) 1" = 20'
SCALE (VERT.) 1" = 2'
DATE 2/13/2023
JOB NUMBER 225382
SHEET 6 OF 18



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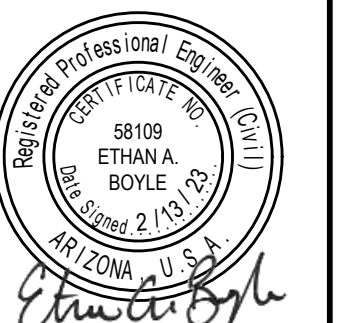
PAVING NOTES

- 1 CONSTRUCT 7-IN AC ON 9-IN ABC PER GEOTECHNICAL RECOMMENDATIONS OR MATCH EXISTING PAVEMENT SECTION, WHICHEVER IS GREATER
- 2 CONSTRUCT 12-IN ABC SHOULDER
- 5 CONSTRUCT ASPHALT PAVEMENT EDGE PER MAG STD DTL 201 SAFETY EDGE
- 6 SAWCUT AND REMOVE 2-FT MINIMUM OF EXISTING PAVEMENT PER COS STD 2200
- 9 APPLY MICROSEAL TREATMENT IN ACCORDANCE WITH MAG SPEC SECTION 331, WITH TYPE III AGGREGATE PER MAG SPEC SECTION 714. SEAL COAT LIMITS PER PLAN.
- 63 ADJUST MANHOLE FRAME & COVER PER MAG STD DTL 422 & MAG SPEC SECTION 345

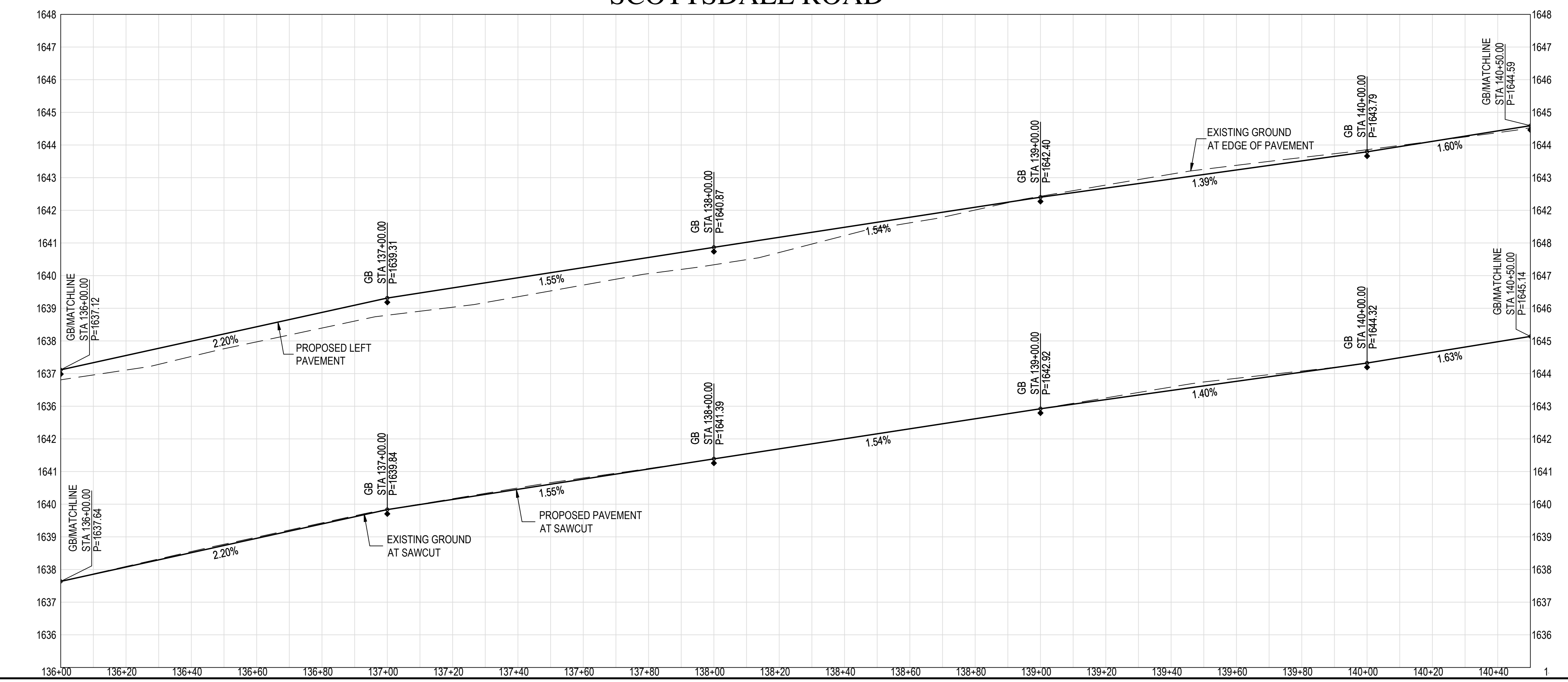
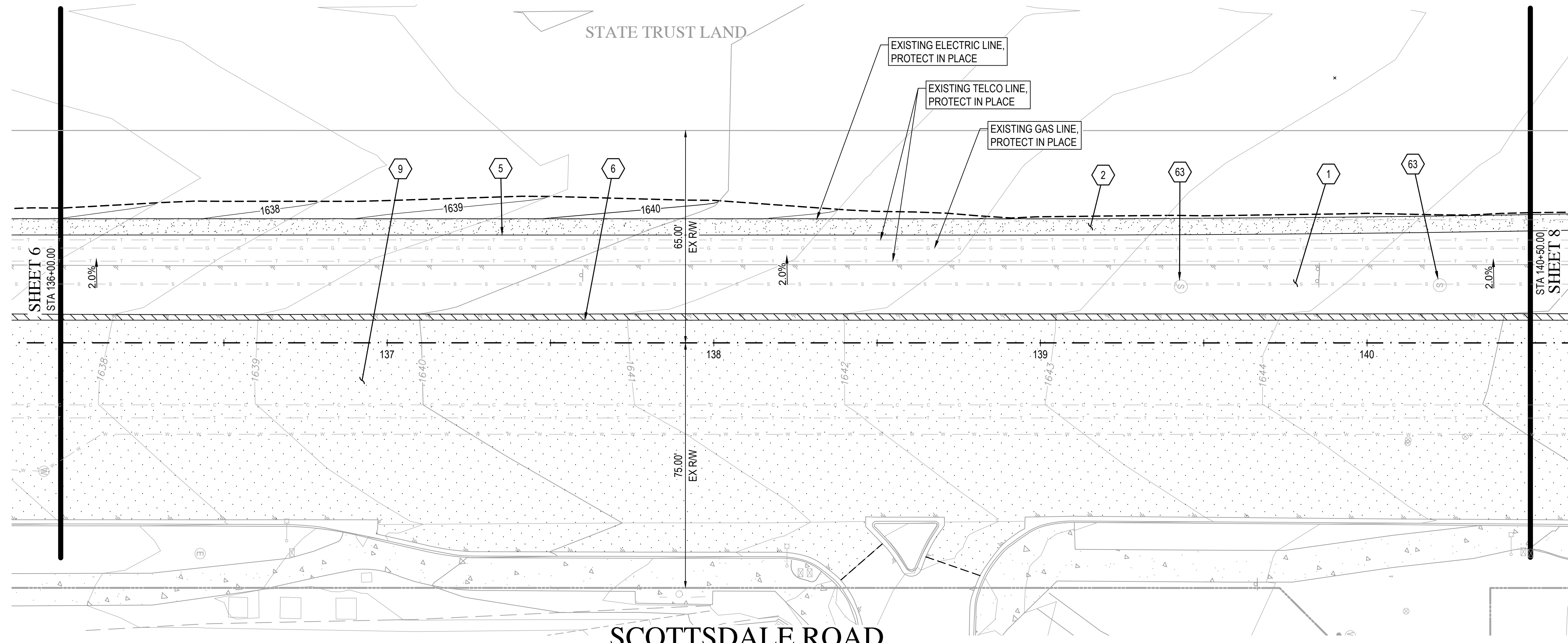


**SCOTTSDALE ROAD
HENKEL WAY TO THOMPSON PEAK PKWY
PAVING PLAN
SCOTTSDALE, ARIZONA
PAVING PLAN AND PROFILE**

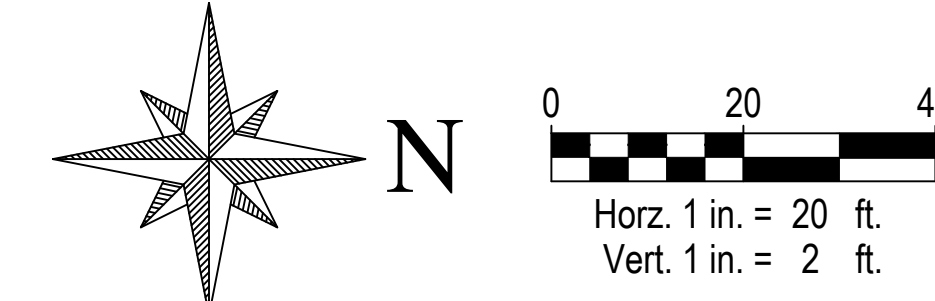
REV	DESCRIPTION	DATE



SCALE (HORIZ.) 1" = 20'
SCALE (VERT.) 1" = 2'
DATE 2/13/2023
JOB NUMBER 225382
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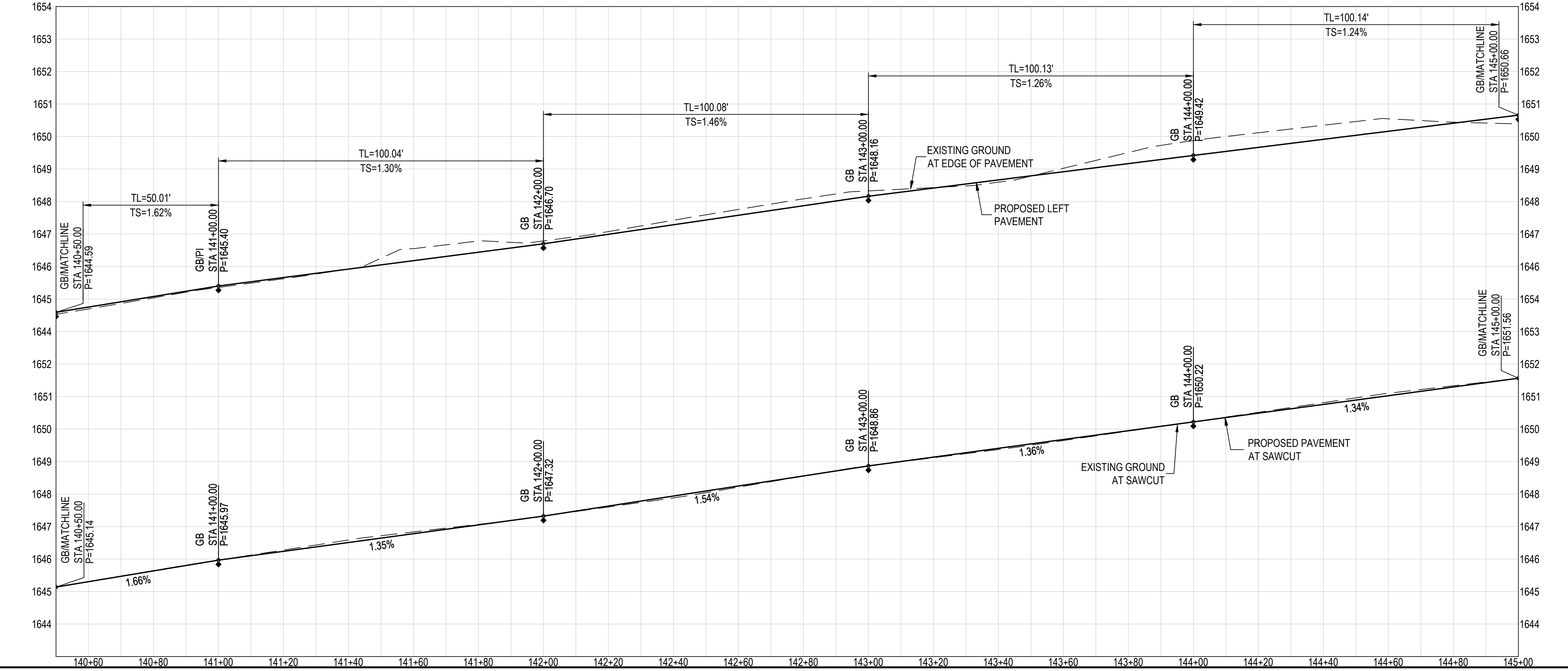
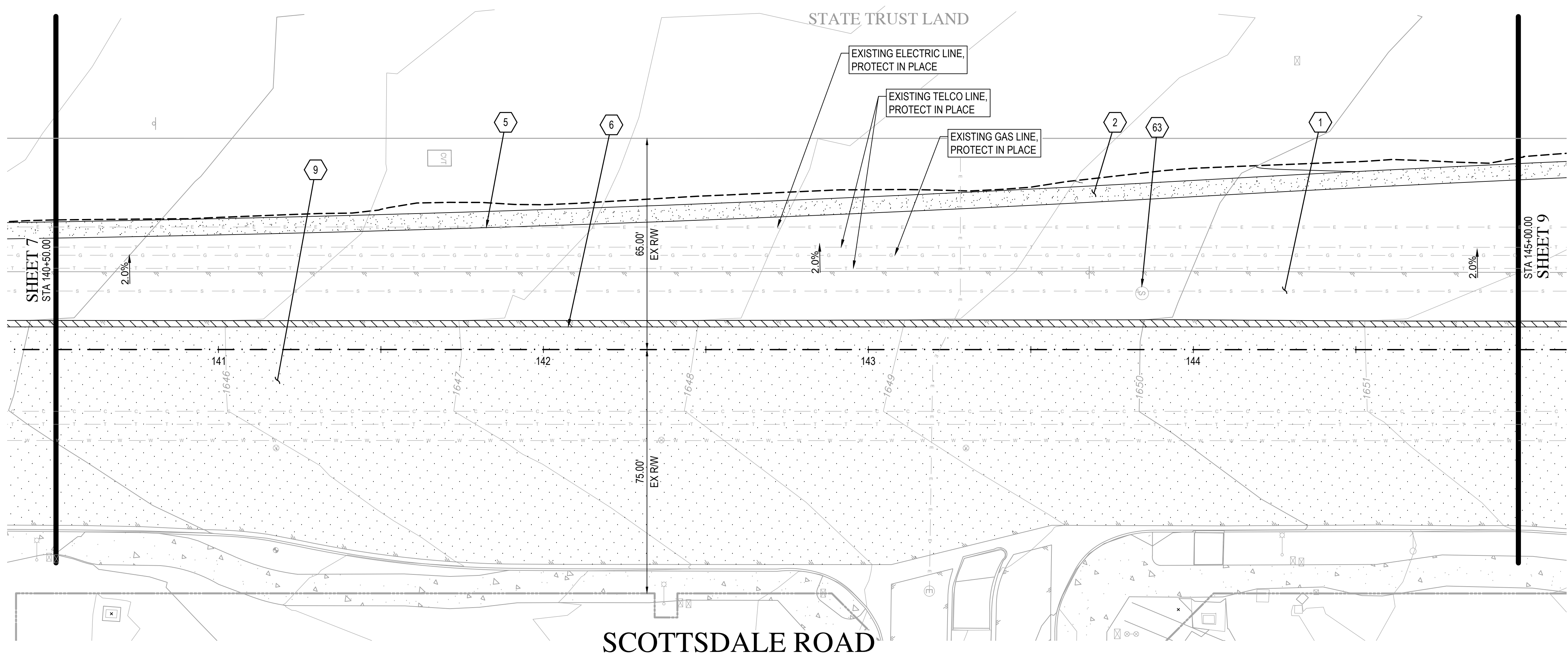


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PAVING NOTES

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- 2 CONSTRUCT 12-IN ABC SHOULDER
- 5 CONSTRUCT ASPHALT PAVEMENT EDGE PER MAG STD DTL 201 SAFETY EDGE
- 6 SAWCUT AND REMOVE 2-FT MINIMUM OF EXISTING PAVEMENT PER COS STD 2200
- 9 APPLY MICROSEAL TREATMENT IN ACCORDANCE WITH MAG SPEC SECTION 331, WITH TYPE III AGGREGATE PER MAG SPEC SECTION 714. SEAL COAT LIMITS PER PLAN.
- 63 ADJUST MANHOLE FRAME & COVER PER MAG STD DTL 422 & MAG SPEC SECTION 345



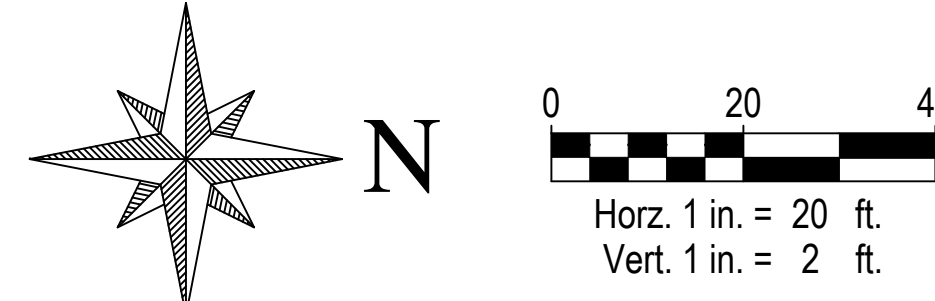
**SCOTTSDALE ROAD
HENKEL WAY TO THOMPSON PEAK PKWY
PAVING PLAN
SCOTTSDALE, ARIZONA
PAVING PLAN AND PROFILE**

REV	DESCRIPTION	DATE



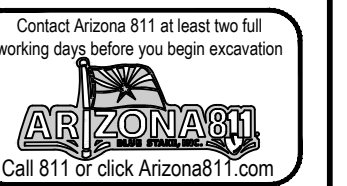
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JOB NUMBER 225382
SHEET

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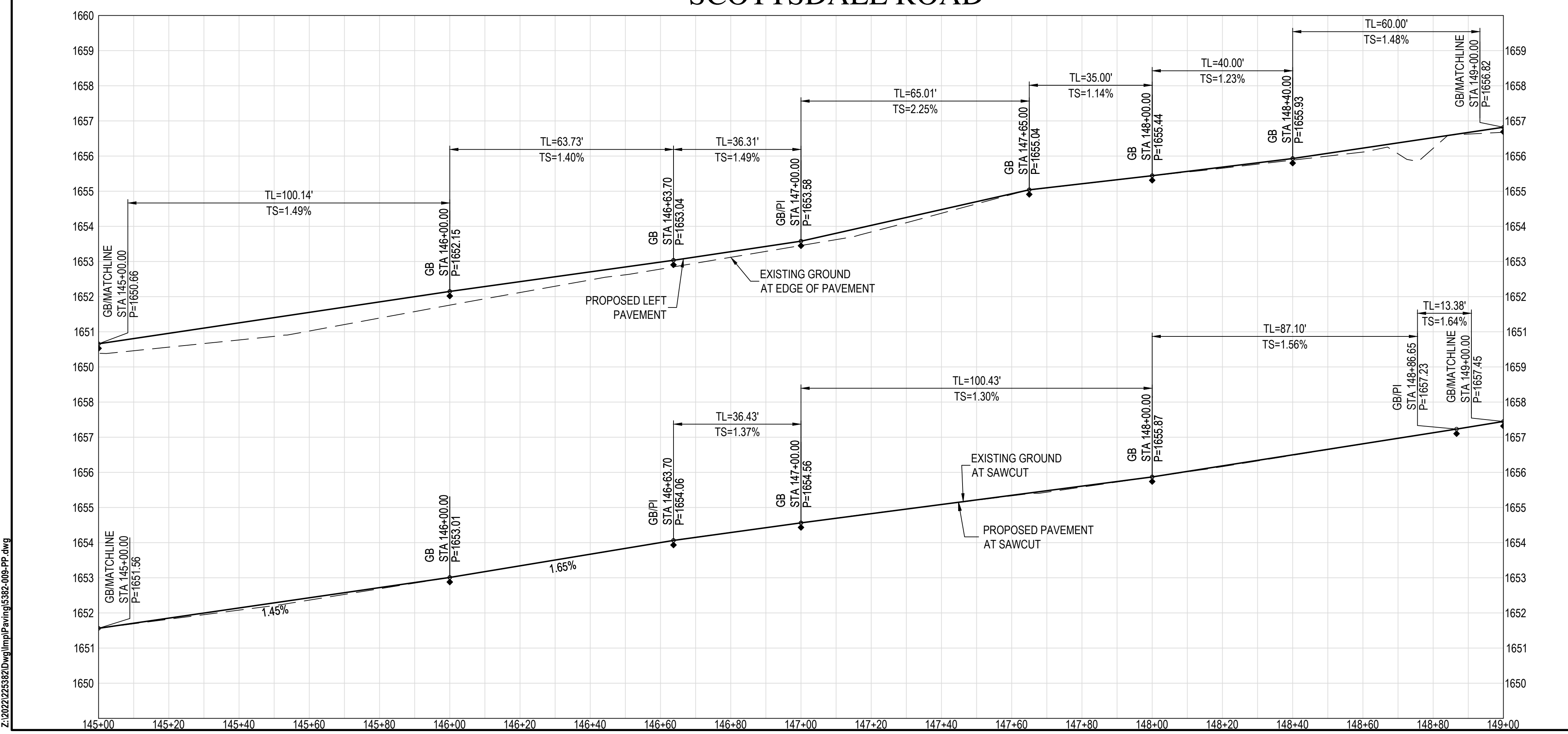
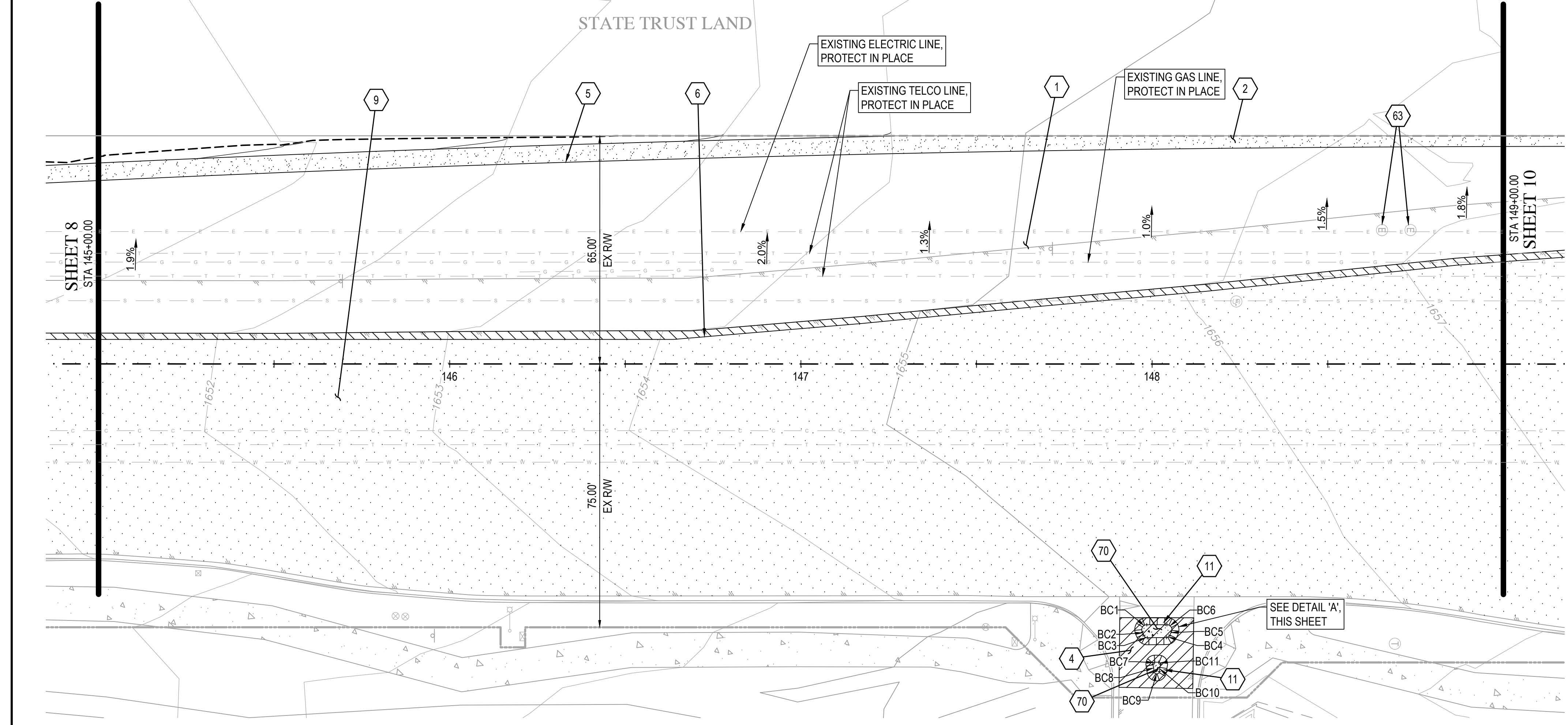
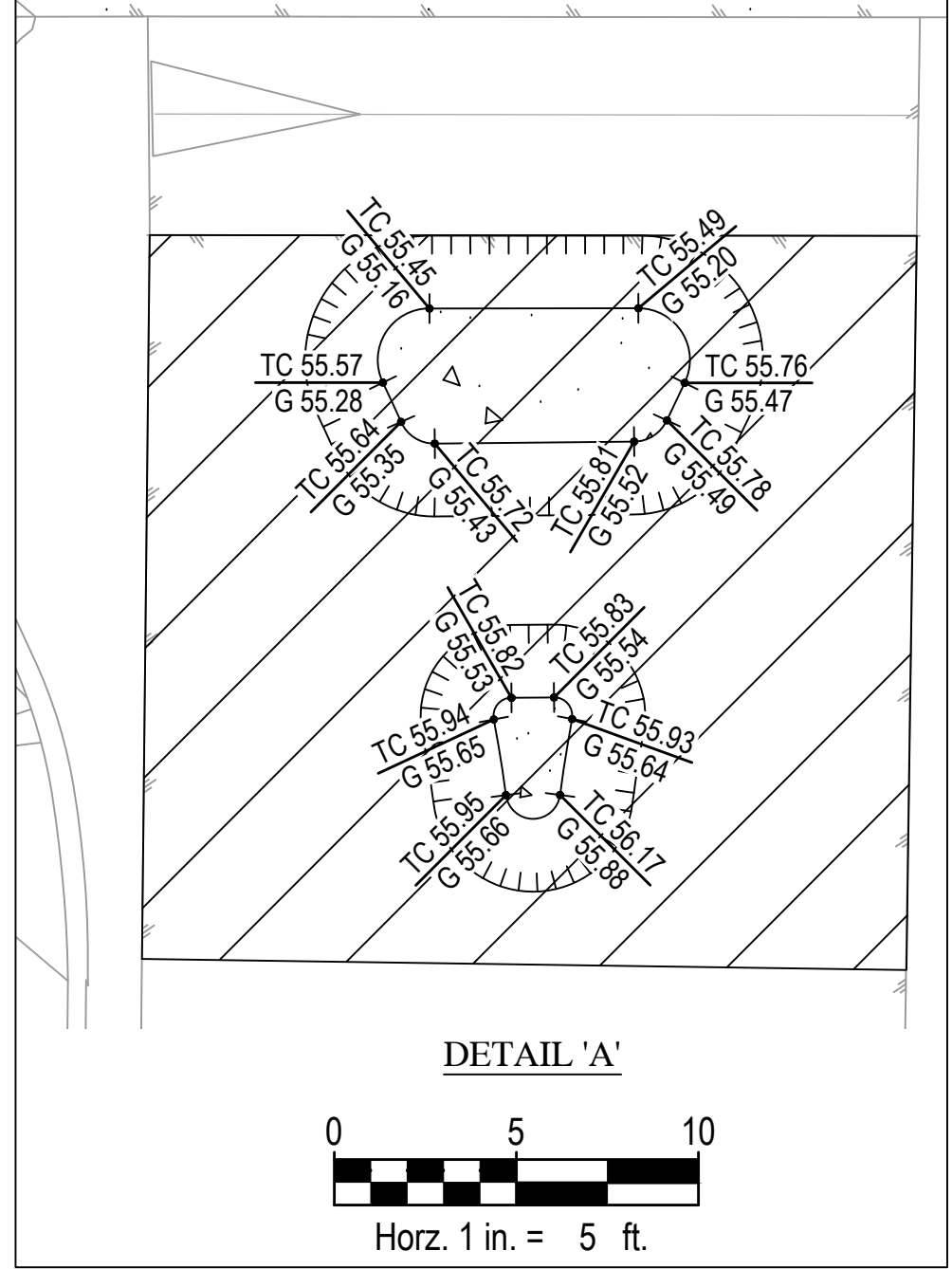
PAVING NOTES

- 1 CONSTRUCT 7-IN AC ON 9-IN ABC PER GEOTECHNICAL RECOMMENDATIONS OR MATCH EXISTING PAVEMENT SECTION, WHICHEVER IS GREATER
- 2 CONSTRUCT 12-IN ABC SHOULDER
- 4 SAWCUT, REMOVE AND REPLACE EXISTING PAVEMENT PER COS STD 2200
- 5 CONSTRUCT ASPHALT PAVEMENT EDGE PER MAG STD DTL 201 SAFETY EDGE
- 6 SAWCUT AND REMOVE 2-FT MINIMUM OF EXISTING PAVEMENT PER COS STD 2200
- 9 APPLY MICROSEAL TREATMENT IN ACCORDANCE WITH MAG SPEC SECTION 331, WITH TYPE III AGGREGATE PER MAG SPEC SECTION 714. SEAL COAT LIMITS PER PLAN.
- 11 CONSTRUCT 4-IN ROLL CURB & GUTTER WITH DEPRESSED LIP PER MAG STD DTL 220-1, TYPE 'D'
- 63 ADJUST MANHOLE FRAME & COVER PER MAG STD DTL 422 & MAG SPEC SECTION 345
- 70 CONSTRUCT 5-IN THICK CONCRETE PER COS SPEC 340 WITH 6-IN ABC



BACK OF CURB CURVE TABLE

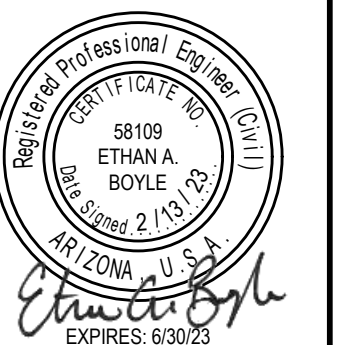
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
BC1	115°35'19"	1.42'	2.86'	2.25'	2.40'
BC2	1°48'46"	37.58'	1.19'	0.59'	1.19'
BC3	66°43'31"	1.00'	1.16'	0.66'	1.10'
BC4	64°52'00"	1.00'	1.13'	0.64'	1.07'
BC5	1°49'56"	35.58'	1.14'	0.57'	1.14'
BC6	116°27'52"	1.42'	2.89'	2.29'	2.41'
BC7	100°12'07"	0.50'	0.87'	0.60'	0.77'
BC8	3°12'30"	37.58'	2.10'	1.05'	2.10'
BC9	165°09'42"	0.75'	2.16'	5.76'	1.49'
BC10	3°24'04"	35.58'	2.11'	1.06'	2.11'
BC11	101°14'46"	0.50'	0.88'	0.61'	0.77'



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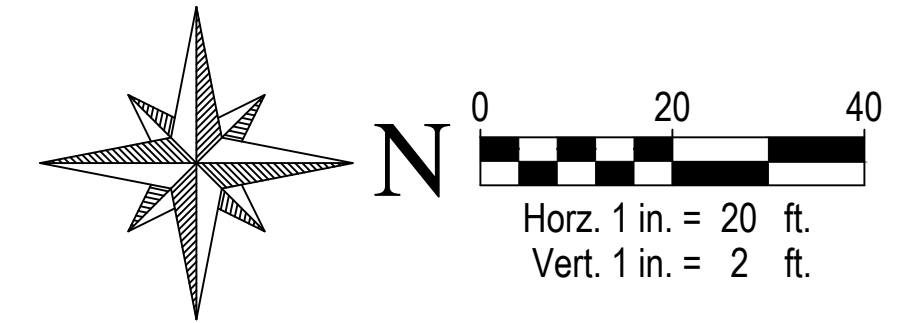
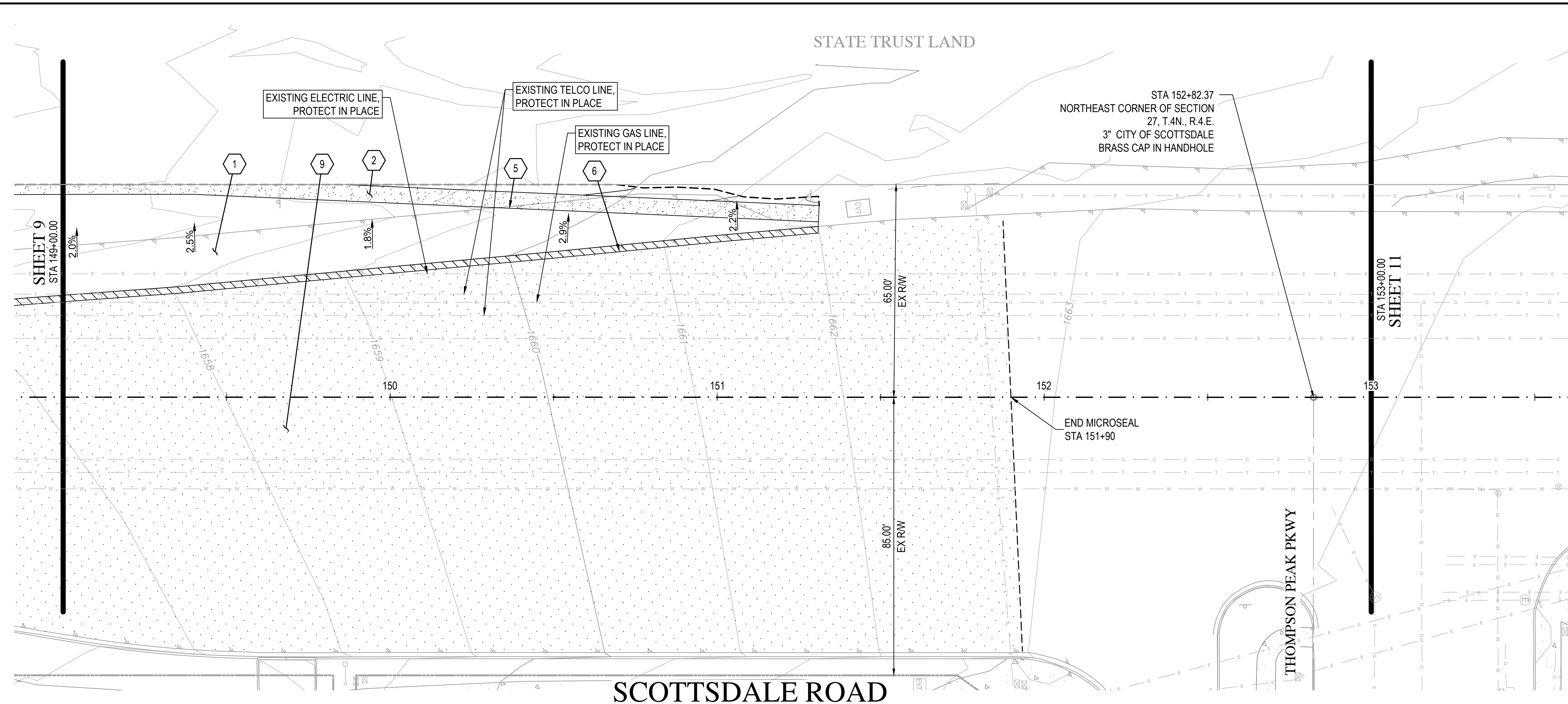
**SCOTTSDALE ROAD
HENKEL WAY TO THOMPSON PEAK PKWY
PAVING PLAN
SCOTTSDALE, ARIZONA
PAVING PLAN AND PROFILE**

DATE	DESCRIPTION	REV



SCALE (HORIZ.) 1" = 20'
SCALE (VERT.) 1" = 2'
DATE 2/13/2023
JOB NUMBER 225382
SHEET 9 OF 18

STATE TRUST LAND



WOOD PATEL

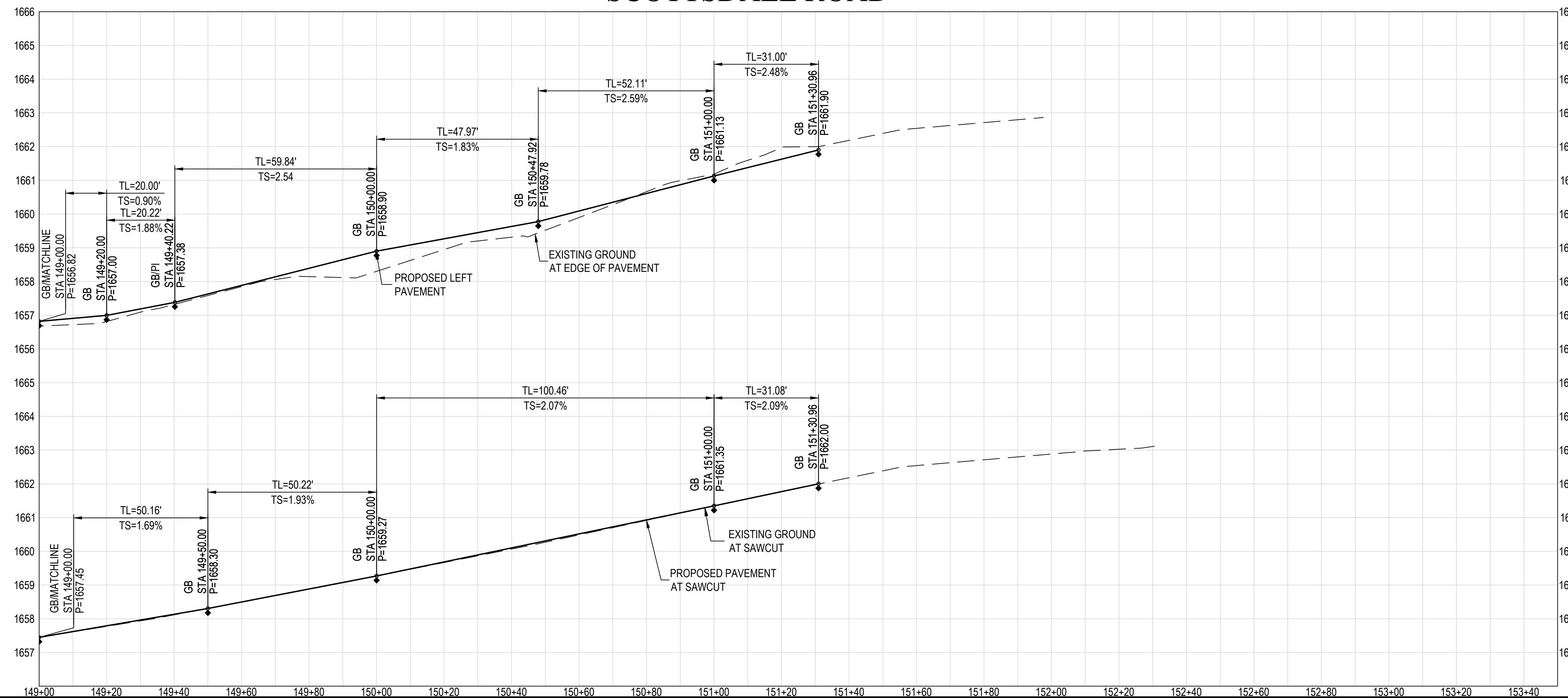
Wood, Patel & Associates, Inc.
Civil Engineering
Water Resources
Land Survey
Construction Management
602.335.8500
www.woodpatel.com

PAVING NOTES

- 1 CONSTRUCT 7-IN AC ON 9-IN ABC PER GEOTECHNICAL RECOMMENDATIONS OR MATCH EXISTING PAVEMENT SECTION, WHICHEVER IS GREATER
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SCOTTSDALE ROAD



**SCOTTSDALE ROAD
HENKEL WAY TO THOMPSON PEAK PKWY
PAVING PLAN
SCOTTSDALE, ARIZONA
PAVING PLAN AND PROFILE**

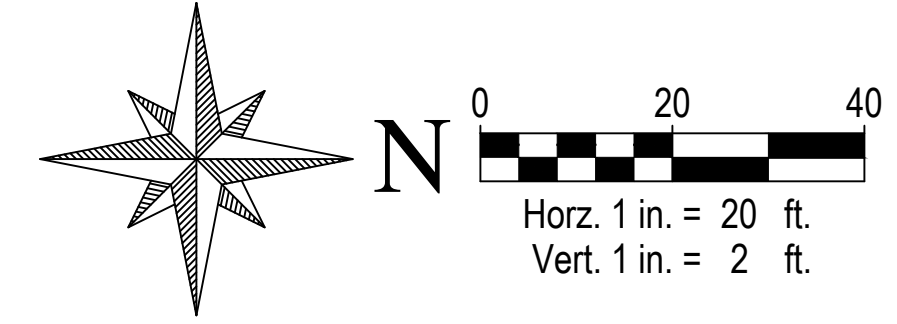
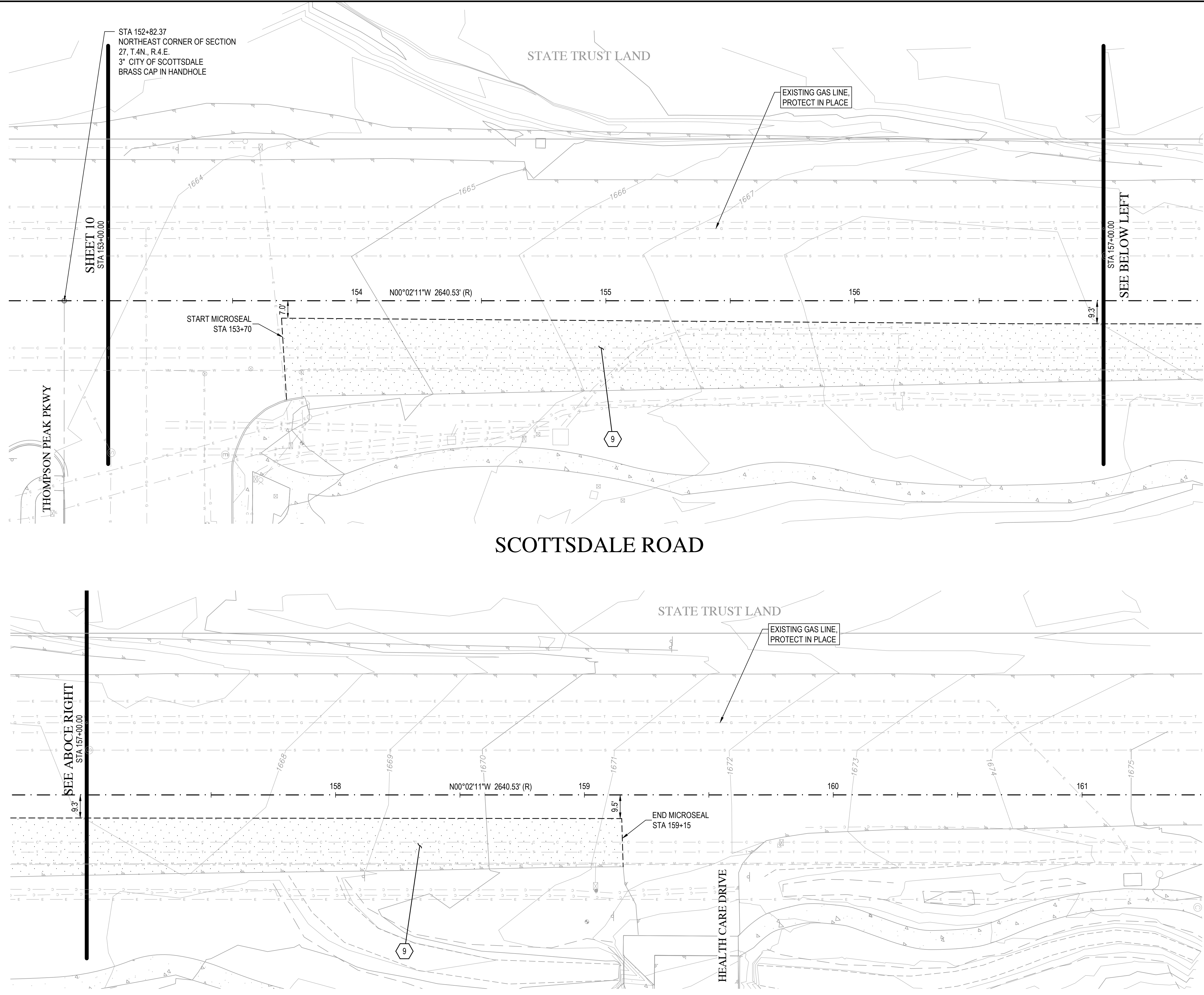
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PAVING NOTES

9 APPLY MICROSEAL TREATMENT IN ACCORDANCE WITH MAG SPEC SECTION 331, WITH TYPE III AGGREGATE PER MAG SPEC SECTION 714. SEAL COAT LIMITS PER PLAN.



SCOTTSDALE ROAD
HENKEL WAY TO THOMPSON PEAK PKWY
 PAVING PLAN
 SCOTTSDALE, ARIZONA
 PAVING PLAN AND PROFILE

REV	DESCRIPTION	DATE



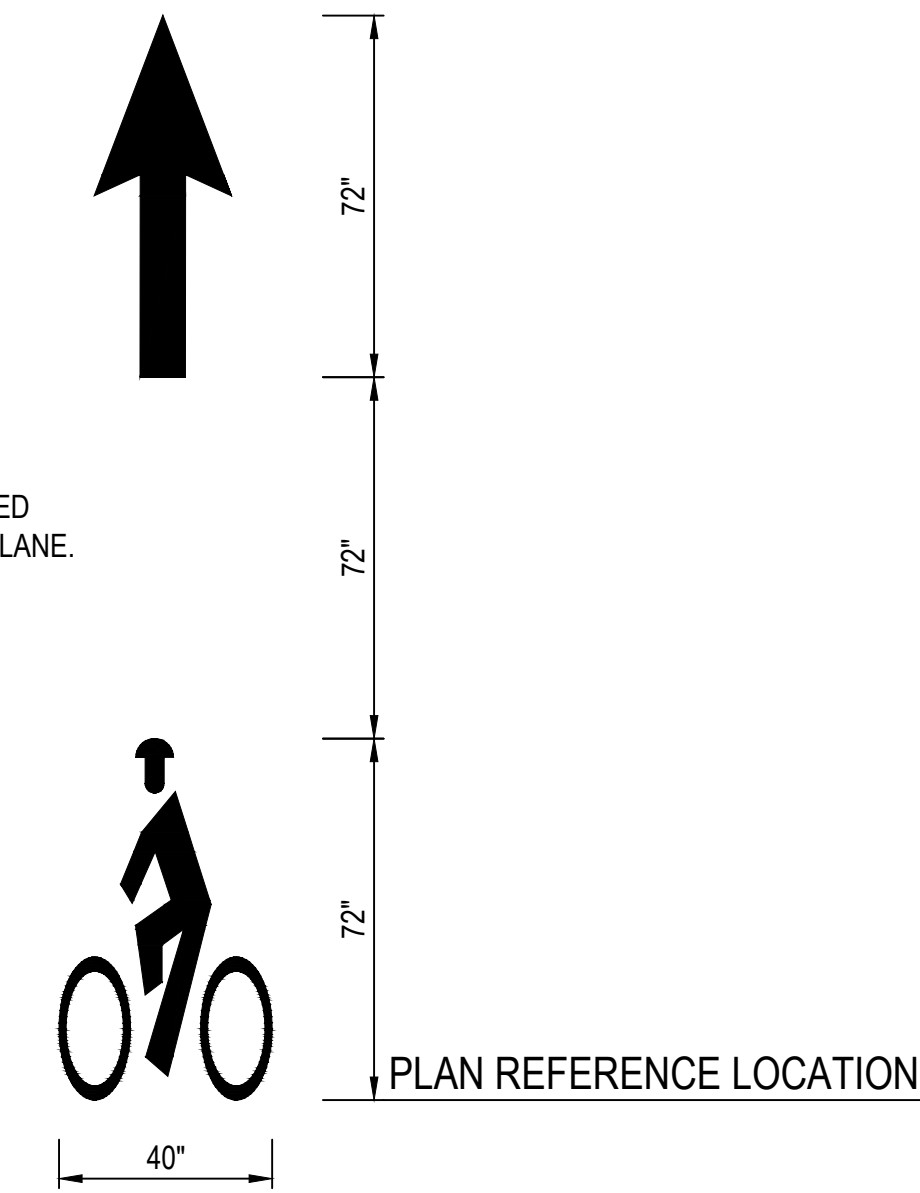
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 DATE 2/13/2023
 JOB NUMBER 225382
 SHEET 11 OF 18

SIGN SUMMARY

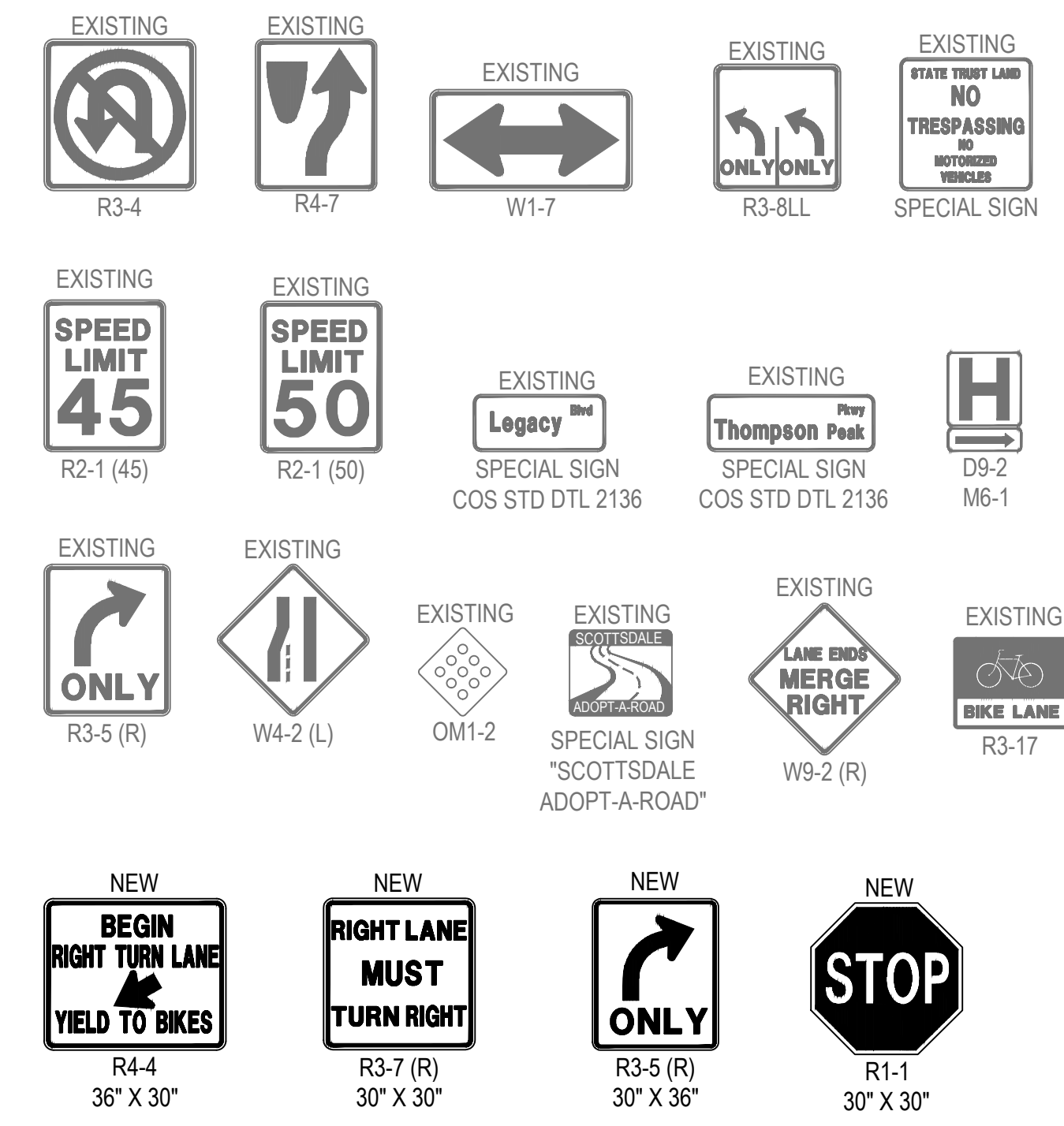
PLAN SHEET NO.	STATION	MOAS SIGN CODE	WORK							MOUNTING HEIGHT (FT)	BACKGROUND COLOR	PANEL			GROUND MOUNTED FOUNDATION TYPE	TOTAL LENGTH (FT)	REMARKS
			NEW	EXISTING				OFFSET RT (FT)	OFFSET LT (FT)			WIDTH (IN)	HEIGHT (IN)	AREA (SQ. FT)			
				REPLACE PANEL	RELOCATE PANEL	MODIFY LEGEND	REMOVE										
14	117+52	W9-2 (R)					X		4			YELLOW				LANE ENDS MERGE LEFT	
14	119+25	R3-5 (R)					X		74			WHITE				RIGHT TURN ONLY	MOUNTED ON STREET LIGHT POLE
14	119+31	R4-7					X		5			WHITE				KEEP RIGHT (SYMBOL)	
14	119+31	OM1-2					X					YELLOW				OBJECT MARKER	MOUNTED BELOW R4-7
14	119+31	R3-4					X					WHITE				NO U-TURN	MOUNTED BEHIND R4-7
14	119+96	R3-8LL					X		102			WHITE				ADVANCE INTERSECTION LANE CONTROL	
14	120+15	W1-7					X		82			YELLOW				LARGE ARROW (TWO DIRECTIONS)	
14	120+74	R4-7					X		8			WHITE				KEEP RIGHT (SYMBOL)	
14	120+74	OM1-2					X					YELLOW				OBJECT MARKER	MOUNTED UNDER R4-7
14	121+91	W4-2 (L)					X		9			YELLOW				LANE ENDS	
14	122+53	R4-7					X		9			WHITE				KEEP RIGHT (SYMBOL)	
14	122+53	OM1-2					X					YELLOW				OBJECT MARKER	MOUNTED BELOW R4-7
14	123+29	R2-1 (45)					X		74			WHITE				SPEED LIMIT (45 MPH)	
14	124+50	N/A					X		47	3		WHITE				"STATE TRUST LAND - NO TRESPASSING"	RELOCATE TO STA 124+50, 67' LT
14	127+10	N/A					X		38	3		WHITE				"STATE TRUST LAND - NO TRESPASSING"	RELOCATE TO STA 127+10, 56' LT
14	127+25	N/A					X		60			GREEN				"LEGACY BLVD"	EXISTING ADVANCE STREET NAME SIGN PER COS STD DTL 2136
14	129+45	R2-1 (45)					X		29	7		WHITE				SPEED LIMIT (45 MPH)	RELOCATE TO STA 129+45, 40' LT
14	130+32	R2-1 (45)					X		63	7		WHITE				SPEED LIMIT (45 MPH)	RELOCATE TO EXISTING STREET LIGHT POLE STA 124+52, 66' RT
14	130+73	R4-4	X						61	7		WHITE				BEGIN RIGHT TURN LANE - YIELD TO BIKES	
14	131+43	N/A					X		21	3		WHITE				"STATE TRUST LAND - NO TRESPASSING"	RELOCATE TO STA 131+43, 47' LT
15	132+39	R3-5 (R)					X		77	7		WHITE				RIGHT TURN ONLY	RELOCATE TO STA 131+73, 72' RT
15	132+80	N/A					X		21	3		WHITE				"STATE TRUST LAND - NO TRESPASSING"	RELOCATE TO STA 132+80, 42' LT
15	133+50	R3-17					X		106			WHITE				BIKE LANE	
		N/A					X					N/A				"SCOTTSDALE ADOPT-A-ROAD"	MOUNTED BEHIND R3-17
15	133+92	R4-7					X		111			WHITE				KEEP RIGHT (SYMBOL)	
15	133+92	OM1-2					X					YELLOW				OBJECT MARKER	MOUNTED BELOW R4-7
15	133+92	R3-8LL					X					WHITE				ADVANCE INTERSECTION LANE CONTROL	MOUNTED BEHIND R4-7
15	134+25	W1-7					X		45			YELLOW				LARGE ARROW (TWO DIRECTIONS)	
15	135+80	R2-1 (45)					X		61			WHITE				SPEED LIMIT (45 MPH)	
15	136+69	R4-4	X						61	7		WHITE				BEGIN RIGHT TURN LANE - YIELD TO BIKES	MOUNT ON EXISTING STREET LIGHT POLE
15	137+05	R3-5 (R)	X						73	7		WHITE				RIGHT TURN ONLY	
15	137+60	R2-1 (45)					X		21	7		WHITE				SPEED LIMIT (45 MPH)	RELOCATE TO STA 137+60, 45' LT
15	139+85	N/A					X		21	4.33		GREEN				"LEGACY BLVD"	EXISTING ADVANCE STREET NAME SIGN PER COS STD DTL 2136 RELOCATE TO STA 139+85, 46' LT
15	140+75	R4-4	X						68	7		WHITE				BEGIN RIGHT TURN LANE - YIELD TO BIKES	
15	141+75	R3-5 (R)	X						68	7		WHITE				RIGHT TURN ONLY	
15	144+85	R4-4	X						58	7		WHITE				BEGIN RIGHT TURN LANE - YIELD TO BIKES	
15	145+96	D9-2					X		77			BLUE				HOSPITAL	MOUNTED ABOVE M6-1 DIRECTIONAL SIGN
15	145+96	N/A					X					GREEN				"THOMPSON PEAK PKWY"	EXISTING ADVANCE STREET NAME SIGN PER COS STD DTL 2136 MOUNTED BELOW D9-2
16	148+17	R1-1	X						94			RED				STOP	
16	148+17	R3-5 (R)	X						7			WHITE				RIGHT TURN ONLY	MOUNT BELOW R1-1
16	149+66	R2-1 (45)					X		60	5		WHITE				SPEED LIMIT (45 MPH)	RELOCATE TO STA 149+66, 64' LT
16	149+86	R3-5 (R)					X		88			WHITE				RIGHT TURN ONLY	
16	151+29	N/A					X		62	5		N/A				"SCOTTSDALE ADOPT-A-ROAD"	
16	151+75	R3-5 (R)					X		88			WHITE				RIGHT TURN ONLY	
16	152+61	R4-7					X		63			WHITE				KEEP RIGHT (SYMBOL)	
16	152+61	OM1-2					X					YELLOW				OBJECT MARKER	MOUNTED BELOW R4-7
16	153+28	W1-7					X		60			YELLOW				LARGE ARROW (TWO DIRECTIONS)	
16	153+28	OM1-2					X					YELLOW				OBJECT MARKER (2 EA)	MOUNTED ON BOTH SIDES OF W1-7
16	153+80	R3-7 (R)	X						14.5			WHITE				RIGHT LANE MUST TURN RIGHT	MOUNT ON TRAFFIC SIGNAL MAST ARM
16	155+40	R3-5 (R)	X						48.0	7		WHITE				RIGHT TURN ONLY	
16	156+19	R2-1 (50)					X		44			WHITE				SPEED LIMIT (50 MPH)	
16	158+12	R3-5 (R)					X		33			WHITE				RIGHT TURN ONLY	
16	159+35	D9-2					X		60			BLUE				HOSPITAL	MOUNTED ABOVE M6-1 DIRECTIONAL SIGN
16	159+35	N/A					X					GREEN				"THOMPSON PEAK PKWY"	EXISTING ADVANCE STREET NAME SIGN PER COS STD DTL 2136 MOUNTED BELOW D9-2

NOTES:

1. BICYCLE MARKINGS SHALL BE CENTERED IN THE PAVEMENT ALLOTTED FOR THE LANE.
2. NO RPMs SHALL BE INSTALLED ON DESIGNATED BIKE LANES.
3. BIKE LANE SYMBOLS SHALL BE CITY APPROVED PAINT.



DETAIL 1 - BIKE LANE SYMBOLS



SIGN LEGEND

WOOD PATEL
 Wood, Patel & Associates, Inc.
 Civil Engineering
 Water Resources
 Land Survey
 Construction Management
 602.335.8500
 www.woodpatel.com

Arizona 811
 Call 811 or click Arizona811.com

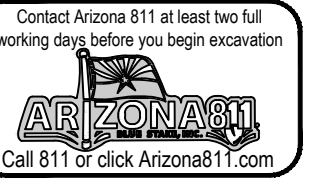
**SCOTTSDALE ROAD
 HENKEL WAY TO THOMPSON PEAK PKWY
 PAVING PLAN
 SCOTTSDALE, ARIZONA
 SIGNING AND STRIPING PLAN**

DATE	DESCRIPTION	REV

Professional Engineer (Civil)
 ETHAN A. BOYLE, P.E.
 ARIZONA P.E. # 10028
 Expires: 10/2025

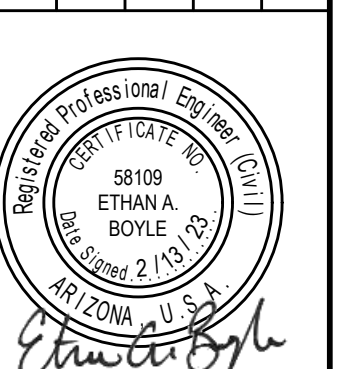
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 JOB NUMBER 225382
 SHEET 12 OF 18

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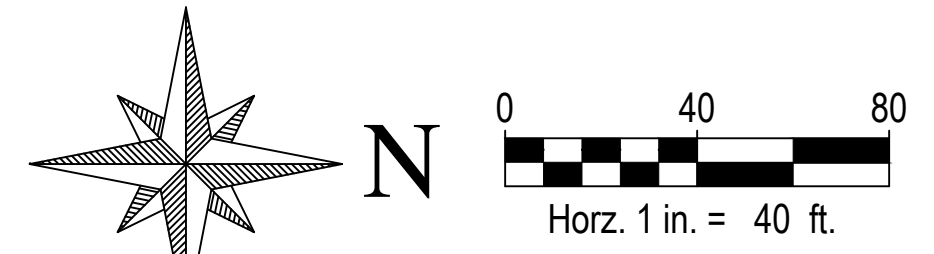
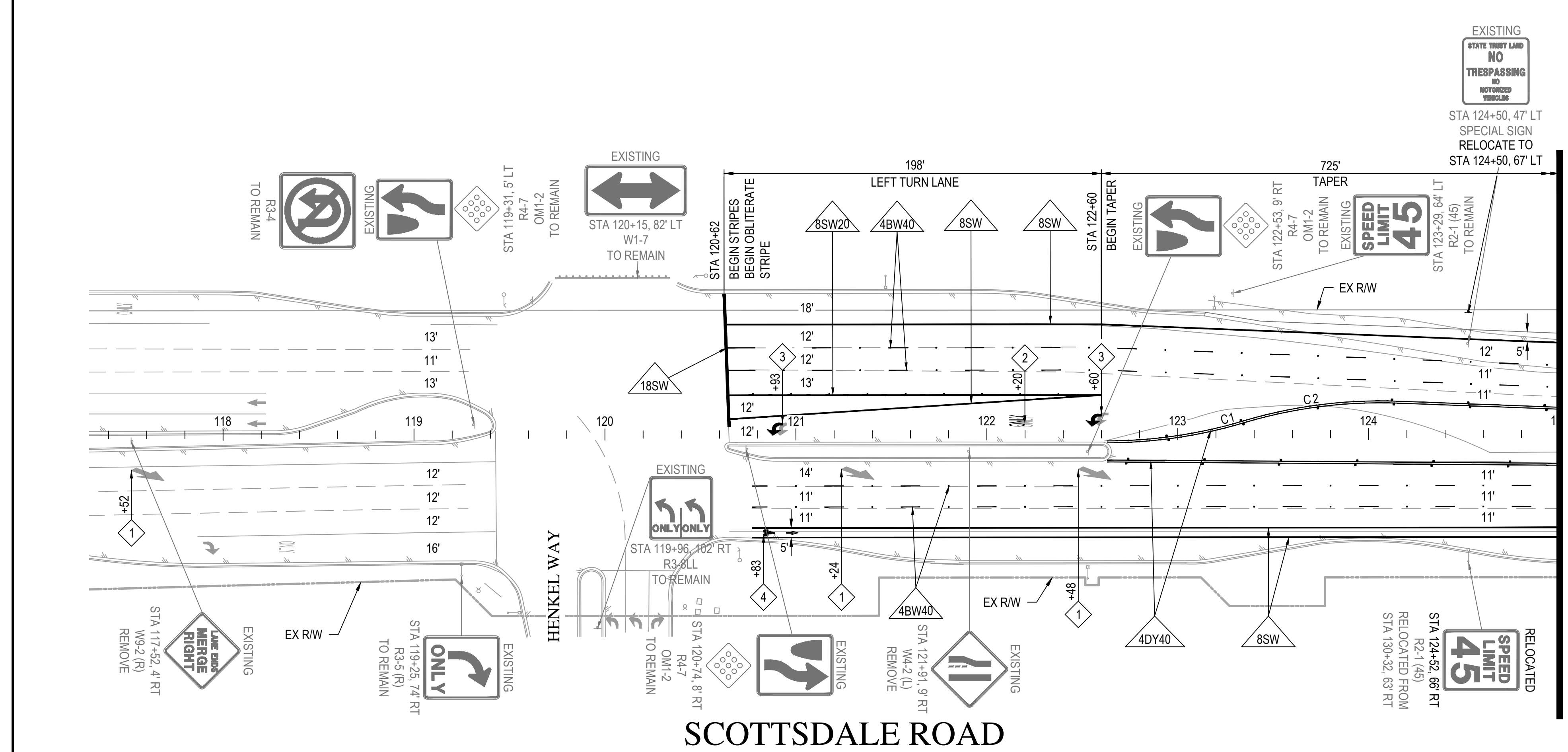


**SCOTTSDALE ROAD
 HENKEL WAY TO THOMPSON PEAK PKWY
 PAVING PLAN
 SCOTTSDALE, ARIZONA
 SIGNING AND STRIPING PLAN**

DATE	DESCRIPTION

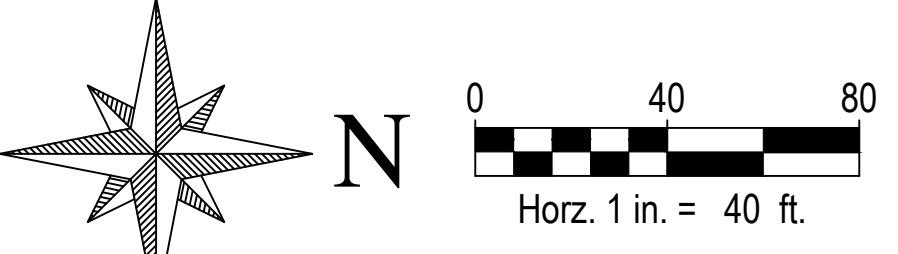
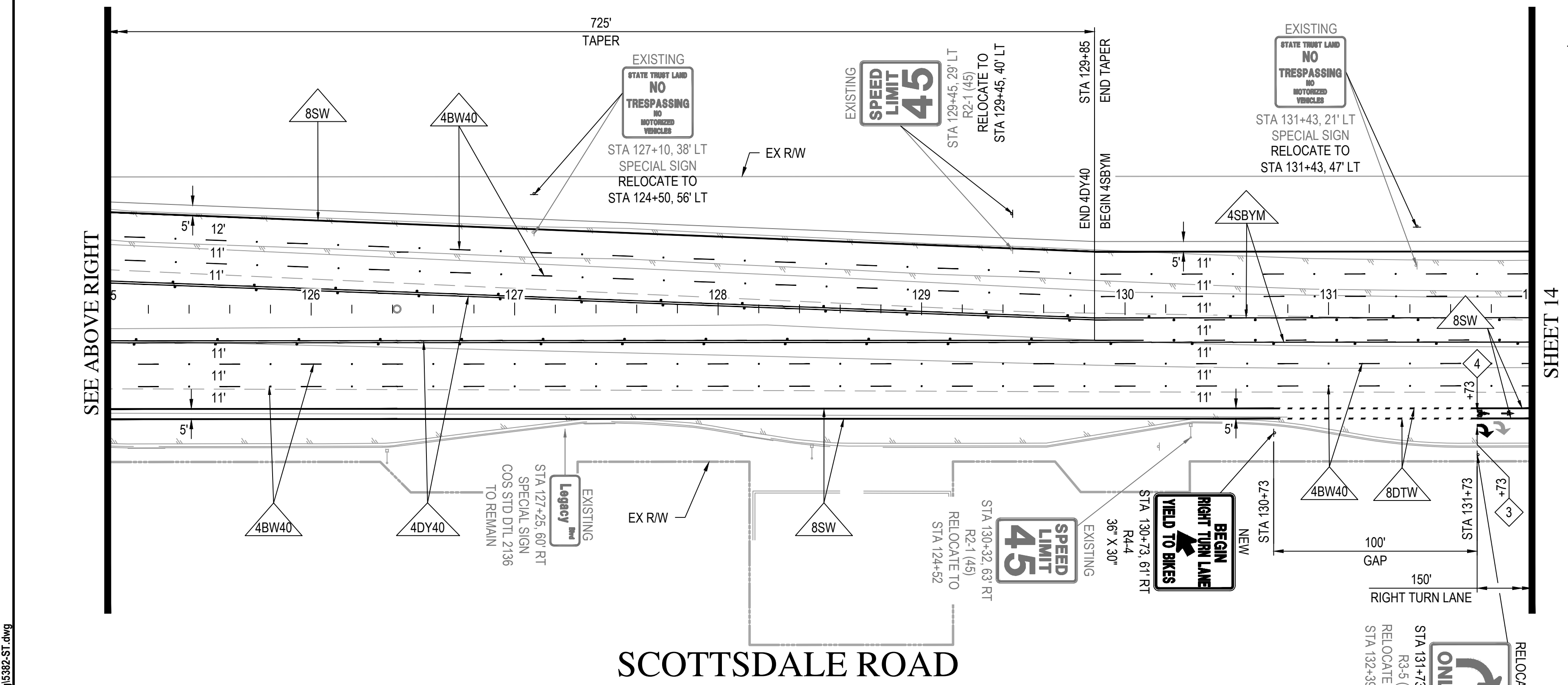


SCALE (HORIZ.) 1" = 40'
 SCALE (VERT.) N/A
 DATE 2/13/2023
 JOB NUMBER 225382
 SHEET



STRIPING LEGEND

	4" DOUBLE YELLOW - ONE SOLID, ONE BROKEN (10' LINE AND 30' GAP) WITH TYPE 'D' RPMS @ 20' SPACING (SOLID), TYPE 'D' RPMS @ 40' SPACING (BROKEN)
	4" SOLID DOUBLE YELLOW WITH TYPE 'D' RPMS @ 40' SPACING
	4" SOLID WHITE WITH TYPE 'G' RPMS @ 20' SPACING
	4" BROKEN WHITE (10' LINE AND 30' GAP) WITH TYPE 'G' RPMS @ 40' SPACING
	4" SOLID WHITE
	8" SOLID WHITE
	8" BROKEN WHITE (3' LINE AND 9' GAP)
	8" DASHED WHITE (2' LINE AND 6' GAP)
	8" SOLID WHITE WITH TYPE 'G' RPMS @ 20' SPACING
	8" SOLID WHITE WITH TYPE 'G' RPMS @ 40' SPACING
	18" SOLID WHITE



SIGNING & PAVEMENT MARKING NOTES

- 1 REMOVE EXISTING LEGEND
- 2 NEW PAVEMENT LEGEND PER ADOT STD M-6
- 3 NEW PAVEMENT LEGEND PER ADOT STD M-10
- 4 NEW BICYCLE PAVEMENT SYMBOL & ARROW PER DETAIL 1

- NOTES:
- ALL LANE WIDTH DIMENSIONS ARE STRIPE TO STRIPE OR STRIPE TO FACE OF CURB
 - REMOVE ALL EXISTING STRIPES, RAISED PAVEMENT MARKERS, AND PAVEMENT LEGENDS STATION 120+62 TO STATION 153+50
 - ALL STATIONS & OFFSETS ARE TO SCOTTSDALE RD CST CL

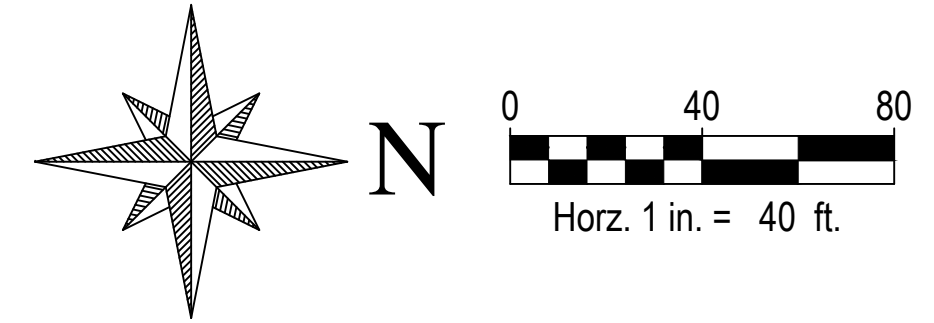
CURVE TABLE

CURVE	DELTA	RADIUS	ARC TANGENT	CHORD
C1	16°37'18"	250.00'	72.53'	36.52'
C2	18°46'55"	250.00'	81.95'	41.35'

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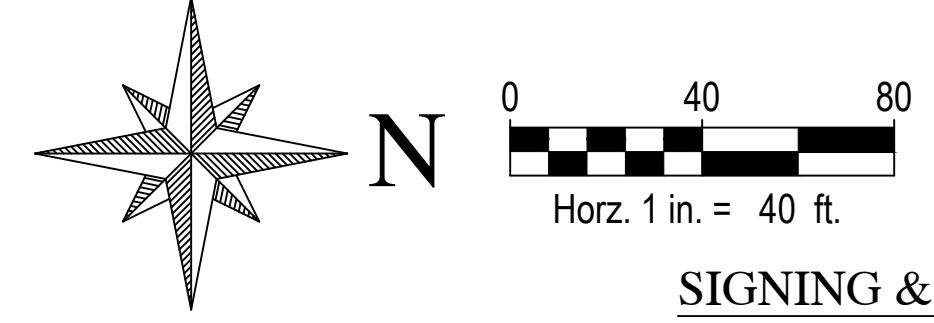


**SCOTTSDALE ROAD
HENKEL WAY TO THOMPSON PEAK PKWY
PAVING PLAN
SCOTTSDALE, ARIZONA
SIGNING AND STRIPING PLAN**



STRIPING LEGEND

4SBYM	4" DOUBLE YELLOW - ONE SOLID, ONE BROKEN (10' LINE AND 30' GAP) WITH TYPE 'D' RPMS @ 20' SPACING (SOLID), TYPE 'D' RPMS @ 40' SPACING (BROKEN)
4DY40	4" SOLID DOUBLE YELLOW WITH TYPE 'D' RPMS @ 40' SPACING
4SW20	4" SOLID WHITE WITH TYPE 'G' RPMS @ 20' SPACING
4BW40	4" BROKEN WHITE (10' LINE AND 30' GAP) WITH TYPE 'G' RPMS @ 40' SPACING
4DTW	4" DASHED WHITE (2' LINE AND 6' GAP)
4SW	4" SOLID WHITE
8SW20	8" SOLID WHITE WITH TYPE 'G' RPMS @ 20' SPACING
8SW40	8" SOLID WHITE WITH TYPE 'G' RPMS @ 40' SPACING
8DTW	8" DASHED WHITE (2' LINE AND 6' GAP)
8BW	8" BROKEN WHITE (3' LINE AND 9' GAP)
8SW	8" SOLID WHITE
12SW	12" SOLID WHITE
18SW	18" SOLID WHITE

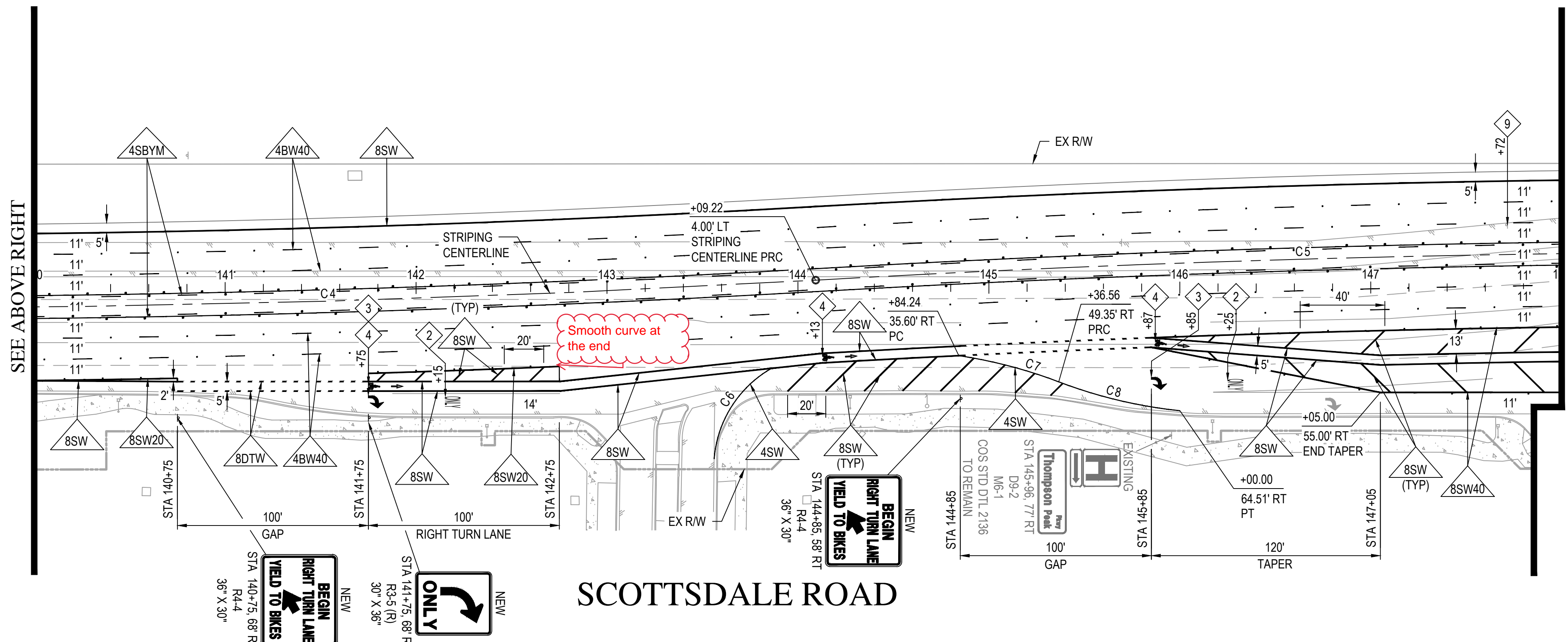
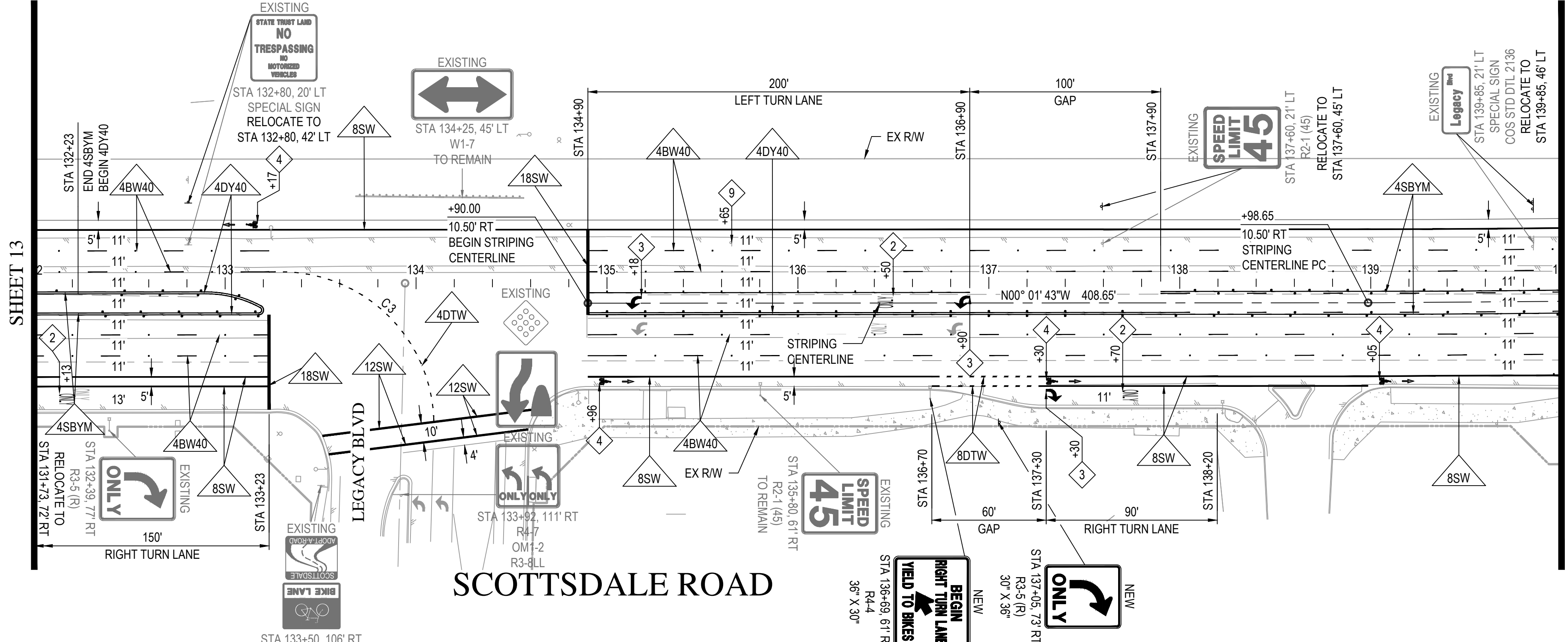


SIGNING & PAVEMENT MARKING NOTES

- 1 REMOVE EXISTING LEGEND
- 2 NEW PAVEMENT LEGEND PER ADOT STD M-6
- 3 NEW PAVEMENT LEGEND PER ADOT STD M-10
- 4 NEW BICYCLE PAVEMENT SYMBOL & ARROW PER DETAIL 1
- 9 REMOVE EXISTING SIGN POST & FOUNDATION

NOTES:
1. ALL LANE WIDTH DIMENSIONS ARE STRIPE TO STRIPE OR STRIPE TO FACE OF CURB
2. REMOVE ALL EXISTING STRIPES, RAISED PAVEMENT MARKERS, AND PAVEMENT LEGENDS STATION 120+62 TO STATION 153+50
3. ALL STATIONS & OFFSETS ARE TO SCOTTSDALE RD CST C

CURVE TABLE					
CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C3	89°01'15"	80.00'	124.30'	78.64'	112.17'
C4	3°15'10"	9000.00'	510.95'	255.54'	510.88'
C5	3°15'10"	9000.00'	510.95'	255.54'	510.88'
C6	59°22'48"	60.00'	62.18'	34.21'	59.44'
C7	12°25'25"	250.00'	54.21'	27.21'	54.10'
C8	14°59'27"	250.00'	65.41'	32.89'	65.22'



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REV	DESCRIPTION	DATE

Professional Engineer (PE) Seal for Ethan A. Boyle, No. 8109, State of Arizona, expires 12/31/2023.

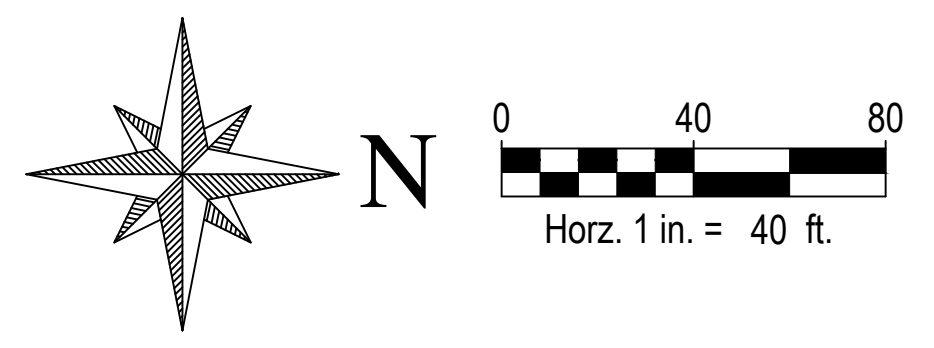
SCALE (HORIZ.) 1" = 40'
SCALE (VERT.) N/A
DATE 2/13/2023
JOB NUMBER 225382
SHEET 14 OF 18



**SCOTTSDALE ROAD
HENKEL WAY TO THOMPSON PEAK PKWY
PAVING PLAN
SCOTTSDALE, ARIZONA
SIGNING AND STRIPING PLAN**

REV	DESCRIPTION	DATE

SCALE (HORIZ.)	SCALE (VERT.)
1" = 40'	N/A
DATE	2/13/2023
JOB NUMBER	225382
SHEET	15 OF 18



STRIPING LEGEND

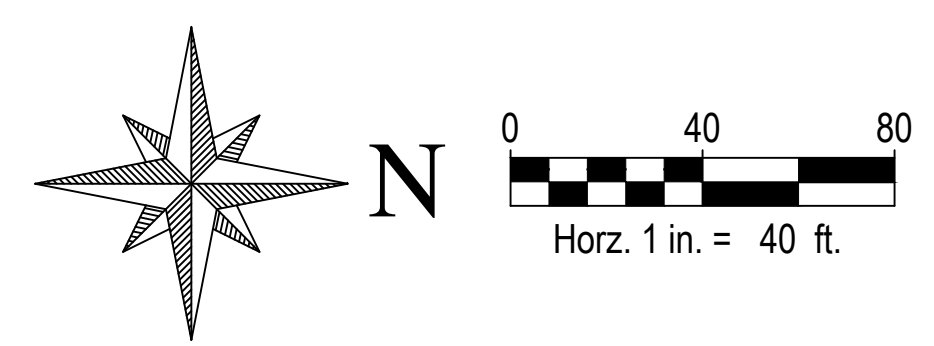
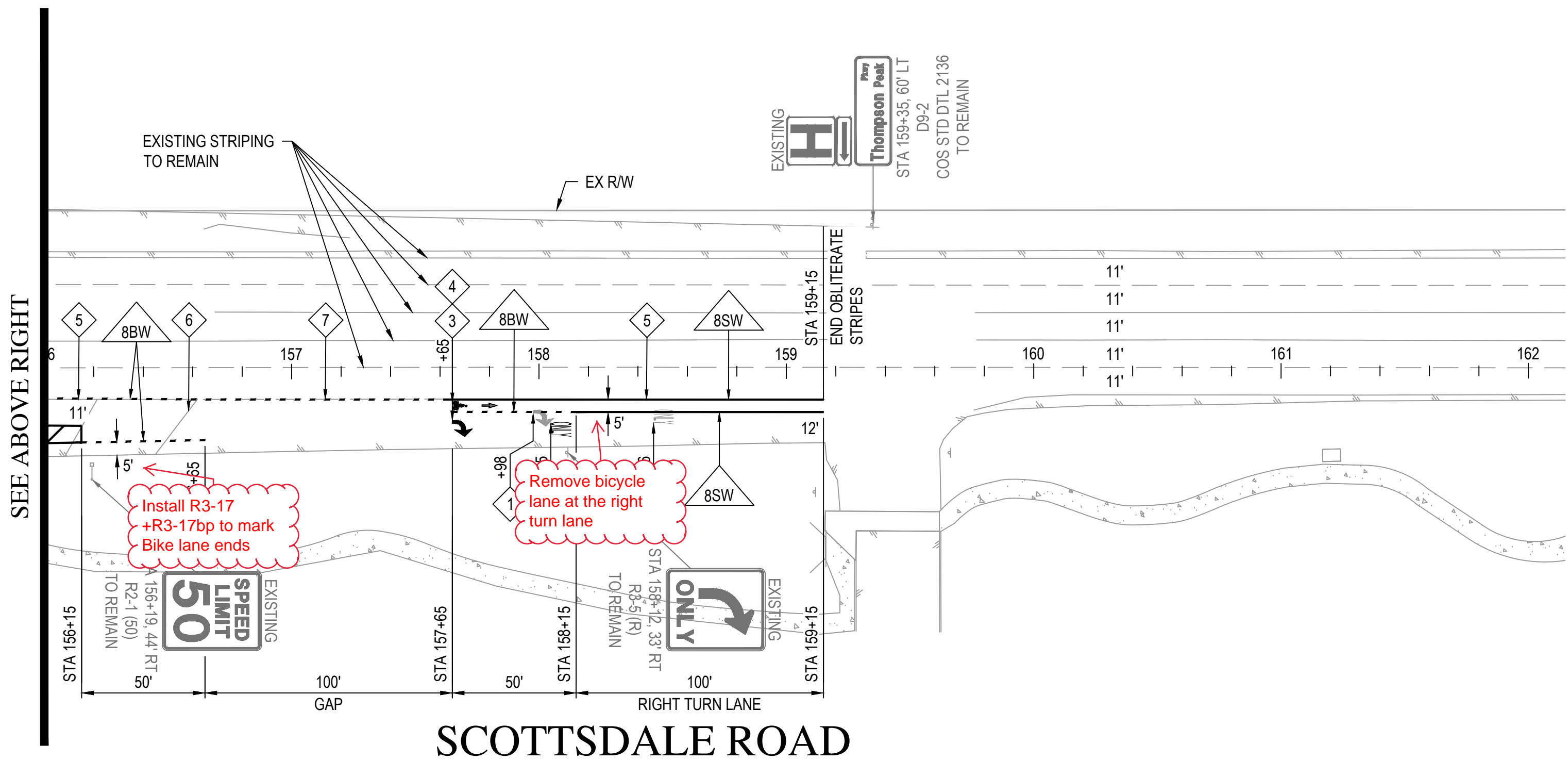
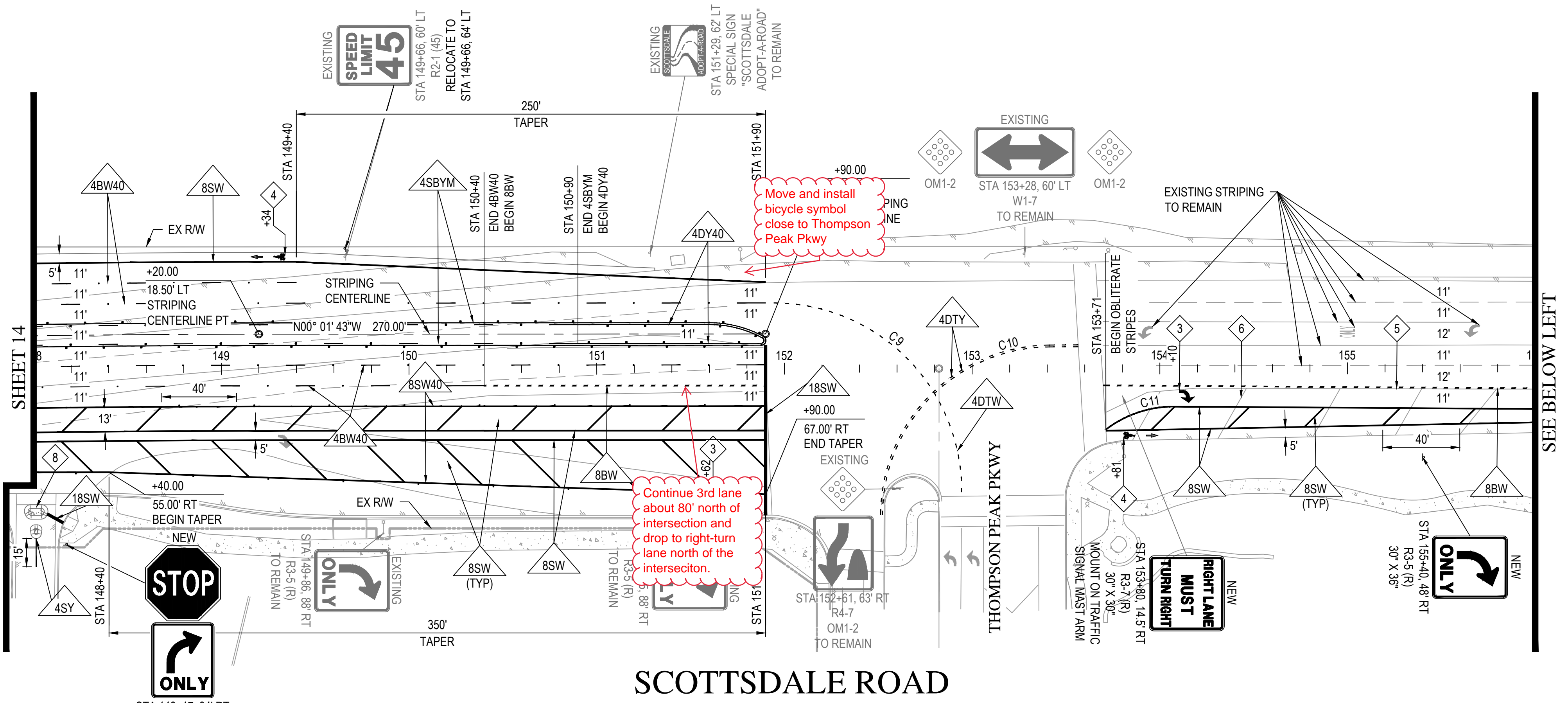
4SBYM	4" DOUBLE YELLOW - ONE SOLID, ONE BROKEN (10' LINE AND 30' GAP) WITH TYPE 'D' RPMS @ 20' SPACING (SOLID), TYPE 'D' RPMS @ 40' SPACING (BROKEN)
4DY40	4" SOLID DOUBLE YELLOW WITH TYPE 'D' RPMS @ 40' SPACING
4DTY	4" DASHED YELLOW (2' LINE AND 6' GAP)
4SY	4" SOLID YELLOW
4SW20	4" SOLID WHITE WITH TYPE 'G' RPMS @ 20' SPACING
4DTW	4" DASHED WHITE (2' LINE AND 6' GAP)
4SW	4" SOLID WHITE
4BW40	4" BROKEN WHITE (10' LINE AND 30' GAP) WITH TYPE 'G' RPMS @ 40' SPACING
8SW20	8" SOLID WHITE WITH TYPE 'G' RPMS @ 20' SPACING
8SW40	8" SOLID WHITE WITH TYPE 'G' RPMS @ 40' SPACING
8SW	8" SOLID WHITE
8BW	8" BROKEN WHITE (3' LINE AND 9' GAP)
18SW	18" SOLID WHITE

SIGNING & PAVEMENT MARKING NOTES

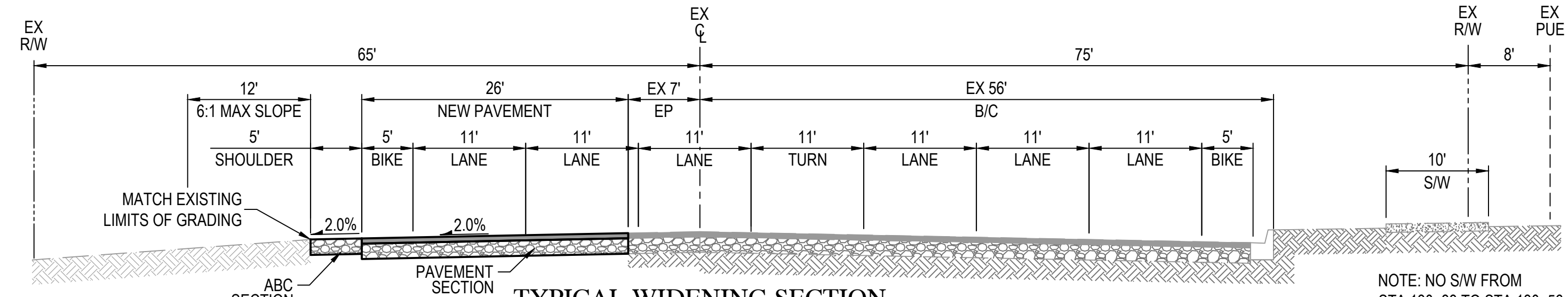
- REMOVE EXISTING LEGEND
 - NEW PAVEMENT LEGEND PER ADOT STD M-6
 - NEW PAVEMENT LEGEND PER ADOT STD M-10
 - NEW BICYCLE PAVEMENT SYMBOL & ARROW PER DETAIL 1
 - REMOVE EXISTING SOLID WHITE STRIPE
 - REMOVE EXISTING WHITE DIAGONAL CROSSHATCH MARKINGS STA 153+71 TO STA 156+62
 - REMOVE EXISTING DASHED WHITE STRIPE
 - PAINT CURB WITH REFLECTORIZED YELLOW TRAFFIC PAINT AND ADD TYPE D YELLOW TWO-WAY REFLECTIVE RAISED PAVEMENT MARKERS, SPACED AT 5-FEET PER COS STD DTL 2226
- NOTES:
1. ALL LANE WIDTH DIMENSIONS ARE STRIPE TO STRIPE OR STRIPE TO FACE OF CURB
2. REMOVE ALL EXISTING STRIPES, RAISED PAVEMENT MARKERS, AND PAVEMENT LEGENDS STATION 120+62 TO STATION 153+50
3. ALL STATIONS & OFFSETS ARE TO SCOTTSDALE RD CST C

CURVE TABLE

CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD
C9	90°26'02"	100.00'	157.84'	100.76'	141.96'
C10	89°41'20"	90.00'	140.88'	89.51'	126.93'
C11	37°39'35"	60.00'	39.44'	20.46'	38.73'

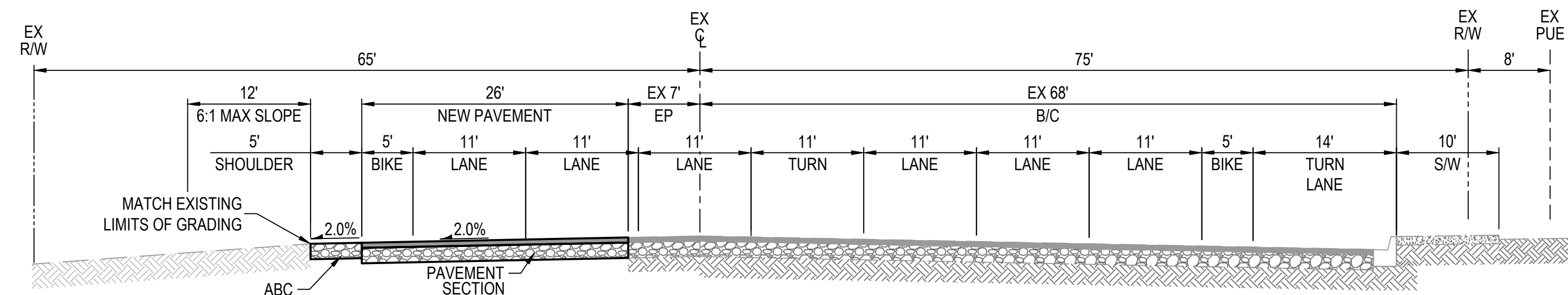


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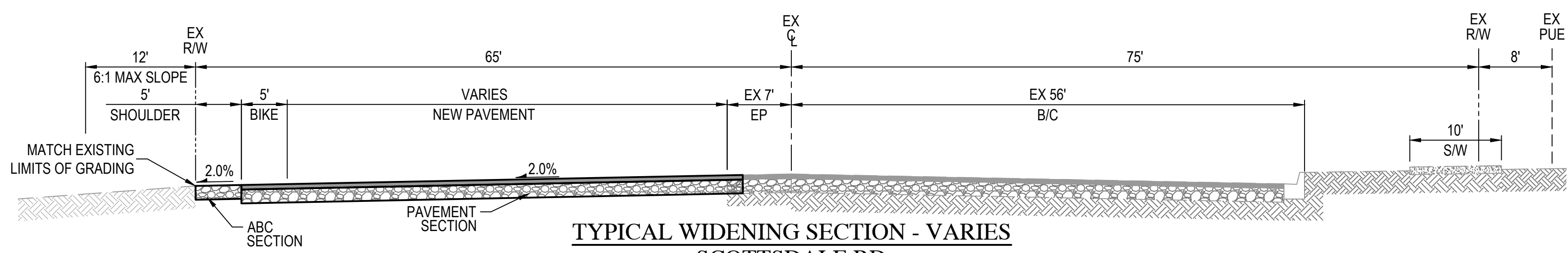
TYPICAL WIDENING SECTION
SCOTTSDALE RD
 STA 130+33 to STA 130+56
 STA 134+90 to STA 136+70
 STA 139+10 to STA 140+75
 NTS

NOTE: NO S/W FROM STA 130+33 TO STA 130+56

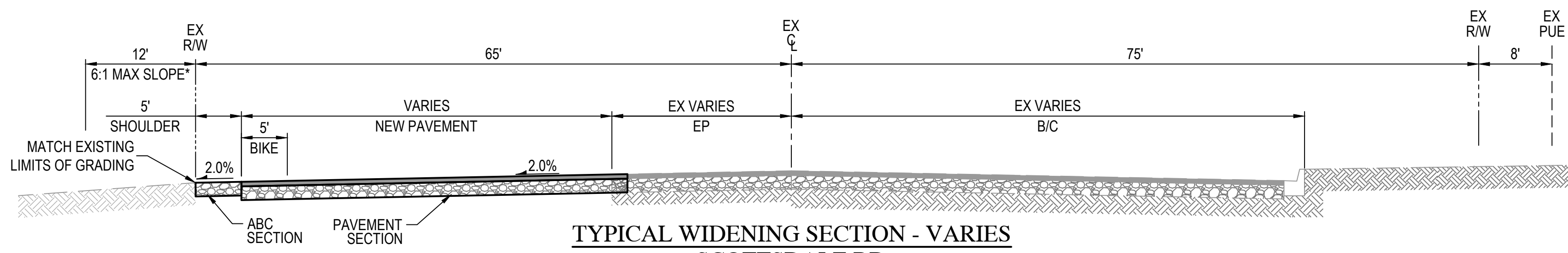


TYPICAL WIDENING SECTION W/ TURN LANE
SCOTTSDALE RD
 STA 131+73 to STA 133+23
 STA 137+30 to STA 138+20
 NTS

NOTE: NO S/W FROM STA 131+73 TO STA 133+23

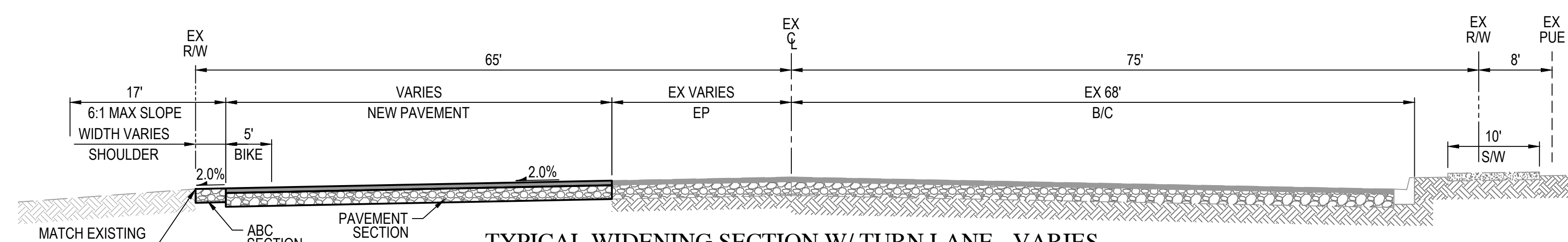


TYPICAL WIDENING SECTION - VARIES
SCOTTSDALE RD
 STA 143+87 to STA 144+98
 NTS



TYPICAL WIDENING SECTION - VARIES
SCOTTSDALE RD
 STA 123+14 to STA 130+33
 NTS

*6:1 SLOPE NOT ACHIEVABLE FROM STA 123+10 TO STA 125+10 DUE TO OFFSITE GRADES



TYPICAL WIDENING SECTION W/ TURN LANE - VARIES
SCOTTSDALE RD
 STA 146+10 to STA 147+64
 STA 149+59 to STA 151+90
 NTS

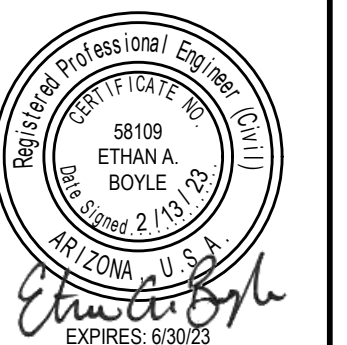


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SCOTTSDALE ROAD
HENKEL WAY TO THOMPSON PEAK PKWY
 PAVING PLAN
 SCOTTSDALE, ARIZONA
 SECTIONS

REV	DESCRIPTION	DATE



SCALE (HORIZ.) N/A
 SCALE (VERT.) N/A
 DATE 2/13/2023
 JOB NUMBER 225382
 SHEET

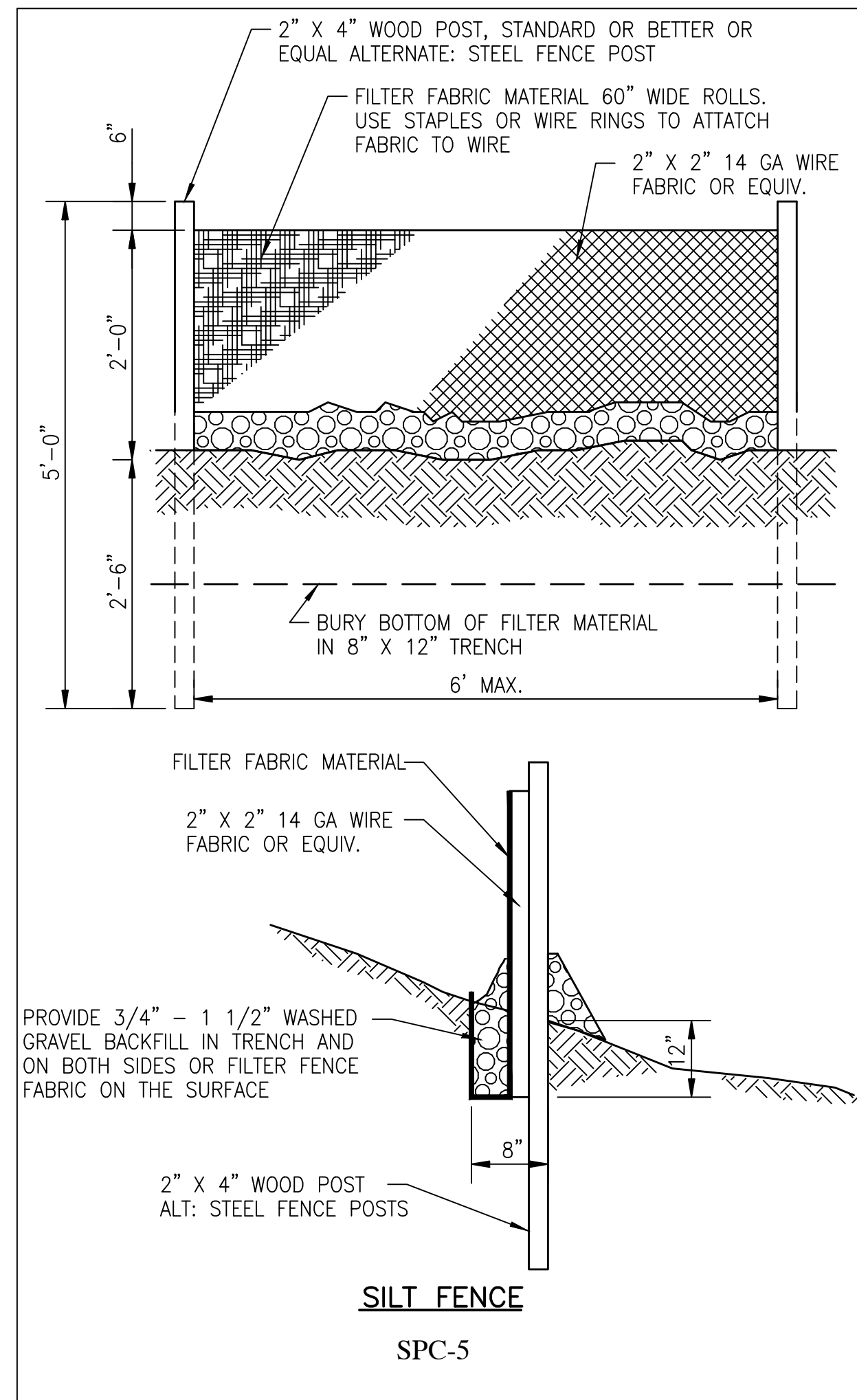
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REV	DATE	DESCRIPTION

Professional Engineer (Civil)
ETHAN A. BOYLE, P.E.
ARIZONA P.E. # 514
EXPIRES: 12/31/23

SCALE (HORIZ.)
SCALE (VERT.) N/A
DATE 2/13/2023
JOB NUMBER 225382
SHEET



SYMBOL	DESIGNATED WASHOUT AREA
	BMP-(99-100)
DIAGRAM 	CONDITIONS WHERE PRACTICE APPLIES <ul style="list-style-type: none"> — PERIMETER CONTROL — SLOPE PROTECTION — SEDIMENT TRAPPING — DRAINAGEWAY & STREAM PROTECTION — TEMPORARY STABILIZATION — PERMANENT STABILIZATION & EXPOSURE LIMITS * NON-SEDIMENT POLLUTION CONTROL
DEFINITION A temporary pit or bermed area for washout of concrete trucks, tools, mortar mixers, etc.	
PURPOSE Improper washout of concrete trucks, tools, etc. may allow fresh concrete or cement laden mortar to enter a storm drainage system.	
APPROPRIATE APPLICATIONS Effective when vehicles, tools, and mixers can be moved to the pit location. Where this is not practical, temporary ponds may be constructed to allow for settling and hardening of cement and aggregates. Washout area/pits are appropriate for minor amounts of wash water which result from cleaning of aggregate materials or concrete trucks, tools, etc.	
PLANNING CONSIDERATIONS 1. Wash out into a slurry pit which will later be backfilled. Do this only with the approval of the property owner. 2. Wash out into a temporary pit where the concrete wash can harden, be broken up, and then properly disposed of off-site.	
DESIGN & SIZING CRITERIA 1. Locate wash out pits away from storm drains, open ditches, or stormwater receiving waters. 2. DO NOT wash out concrete trucks into storm drains, sanitary sewers, street gutters, or stormwater channels.	
MAINTENANCE REQUIREMENTS Properly dispose of hardened concrete products on a routine basis to prevent the buildup of waste materials to an unmanageable size and to maintain percolation of water. Reference (14)	

EC-7 EC-7: Dust Control

DEFINITION
A comprehensive plan to limit offsite sediment depression by minimizing or controlling airborne fugitive dust.

GENERAL INFORMATION	RATINGS			
Applicability - Effectiveness Perimeter and Access Controls - high	Associated Costs	H	M	L
Most effective when used with: EC-5 Stabilized Construction Entrance EC-6 Construction Road Stabilization GH-6 Road Sweeping/Trackout Cleaning	Implementation			X
Alternative BMPs: For long term dust control, consider SPC-6, Revegetation	Maintenance	X		
	Training			X
	Target Pollutants Removal	H	M	L
	Oil and Grease			X
	Nutrients			X
	Sediment	X		
	Floatable Material			X
	Metals		X	
	Other Construction Waste			X
	FIGURES			
	Photos/Sketches EC-7 Dust Control Photos			
	Tables Commonly Used Dust Suppressants			

EC-7 Dust Control Table

TABLE 5.2
COMMONLY USED DUST SUPPRESSANTS

Types	Functional Mechanism	Advantages	Limitations
Freshwater	Moisture wets particles, thereby increasing their mass and binding them together.	Usually readily available, low material cost, and easy to apply	Frequent light applications may be necessary during hot dry weather and can be labor intensive. Over application may result in loss of traction, erosion, or points of road failure.

Types	Ideal Soil Characteristics	Relative Cost Comparison (average life expectancy)	Environmental Considerations
Freshwater	None	Low initial cost, high long-term maintenance cost (0 months)	Minimal environmental hazard. If applied excessively, may result in erosion and sediment runoff. Supply may be limited in some areas and, depending on the source, may require a water right permit.

