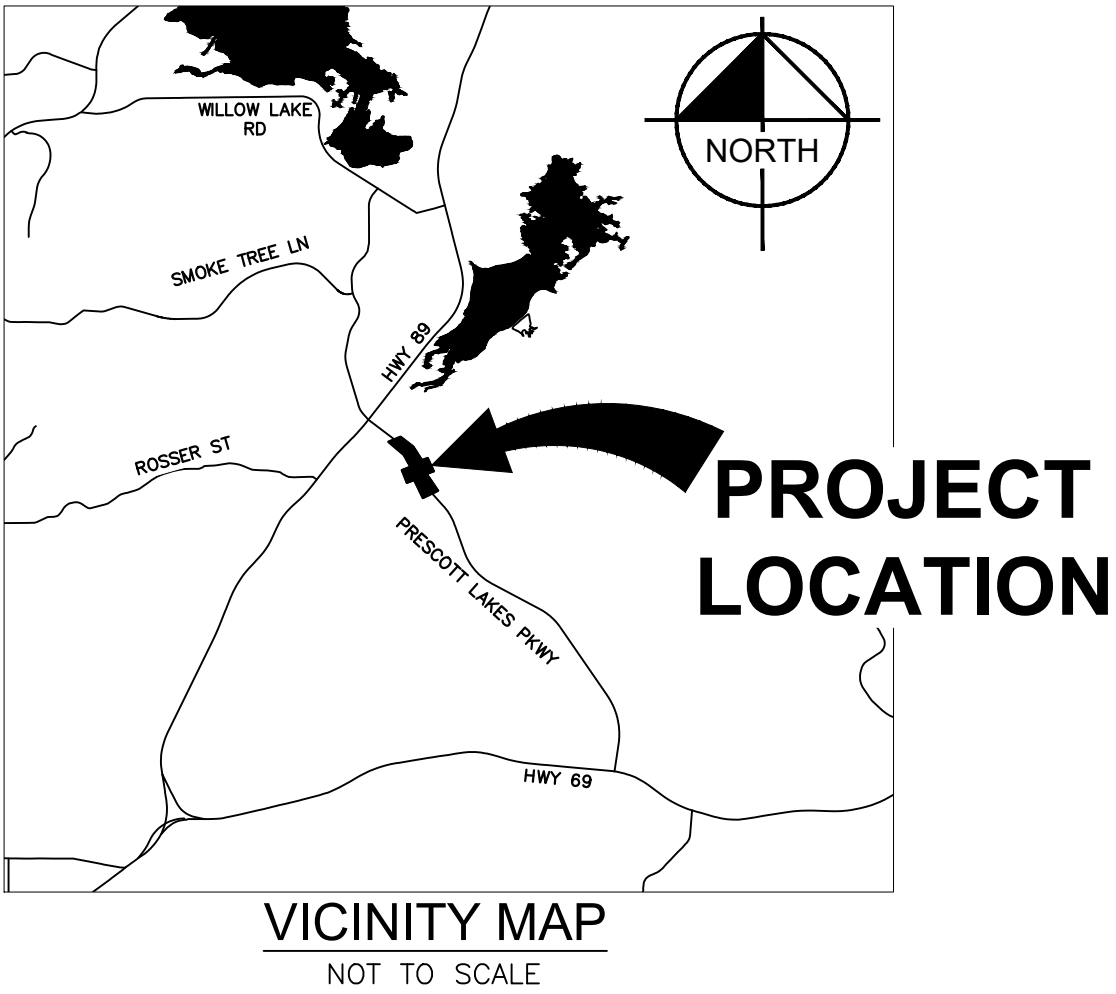


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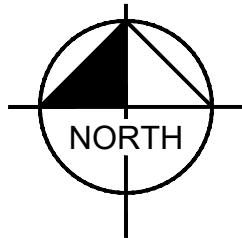
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UTILITY INFORMATION

COMPANY	CONTACT	TELEPHONE
ARIZONA PUBLIC SERVICE CO. 6672 CORSAIR PRESCOTT, ARIZONA 86301	SHERYL McCRACKEN	(928)443-6621
LUMEN 1445 MASONRY WAY PRESCOTT, ARIZONA 86301	CARLOS SOTO	(470)480-7567
UNISOURCE GAS CO. 6405 WILKINSON DRIVE PRESCOTT, ARIZONA 86301	MALI ROSS	(928)771-7227
SPARKLIGHT 3801 TOWER ROAD PRESCOTT, ARIZONA 86301	ROGER WARD	(928)443-3305
CITY OF PRESCOTT WATER AND SEWER P.O. BOX 2059 PRESCOTT, ARIZONA 86301	STEVE OLFERS	(928)777-1130

BLUE STAKE - CALL
TWO WORKING DAYS
BEFORE YOU DIG
1-800-STAKE-IT
outside Maricopa County

CALL TWO WORKING DAYS
BEFORE YOU DIG
1-800-STAKE-IT
1-800-782-5348
(OUTSIDE MARICOPA COUNTY)



PROJECT
LOCATION



CITY OF PRESCOTT
PUBLIC WORKS DEPARTMENT
CIP# 2208-007
PRESCOTT LAKES PARKWAY AND
SUNDOG RANCH ROAD
INTERSECTION IMPROVEMENTS

BENCHMARK

THE BENCHMARK FOR THIS PROJECT IS CITY OF PRESCOTT
BENCHMARK ROS-06 NAVD88 ELEVATOIN 5378.12.

BASIS OF BEARING

SURVEY CONTROL IS THE CITY OF PRESCOTT SURVEY DATUM,
ALSO BEING ARIZONA STATE PLANE ZONE, ARIZONA CENTRAL
0202, NAD 83, NAVD 88 USING GEOID MODEL GEOID99 (CONUS),
CITY OF PRESCOTT - CONVERSION FROM STATE PLANE:

NORTHING; (STATE PLANE X 1.000329975) - 701,456.0090

EASTING; (STATE PLANE X 1.000329975) + 69,457.2499

STATE PLANE CONVERSION FROM CITY OF PRESCOTT NORTHING:
(CITY OF PRESCOTT + 701,456.0090) X 0.999670134, EASTING:
(CITY OF PRESCOTT - 69,457.2499) X 0.999670134

PROPERTY CORNERS OR CENTERLINE MONUMENTS ARE TO BE
PROTECTED IN PLACE. IF DISTURBED, OR REMOVED DUE TO
CONSTRUCTION, THEY ARE TO BE REPLACED ACCORDING TO THE
CITY OF PRESCOTT STANDARD DETAIL 120-1P, TYPE A, B OR C.

NOTE: CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF
EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR IS
RESPONSIBLE FOR COORDINATING ANY NECESSARY UTILITY
RELOCATION WITH THE APPLICABLE UTILITY.

SPECIAL NOTE:

THE CITY OF PRESCOTT STANDARD DETAILS AND SPECIFICATIONS
MEET MINIMUM DESIGN REQUIREMENTS OF THE EQUIVALENT MAG
SPECIFICATIONS AND STANDARD DETAILS.

APPROVED TRAFFIC CONTROL PLAN AND R.O.W. PERMIT MUST BE
OBTAINED FROM PUBLIC WORKS PRIOR TO BEGINNING WORK IN THE
R.O.W.

CITY OF PRESCOTT PUBLIC WORKS IS RESPONSIBLE FOR INSPECTION
OF IMPROVEMENTS IN THE R.O.W. AND DESIGNATED PUBLIC UTILITY
EASEMENTS ONLY. ALL OTHER IMPROVEMENTS (ON-SITE) SHALL BE
INDEPENDENTLY INSPECTED.

ENGINEER

KIMLEY-HORN & ASSOCIATES, INC.
ANDREW BAIRD, PE
101 W GOODWIN ST, SUITE 303
PRESCOTT, AZ 86303
(928) 458-7121
ANDREW.BAIRD@KIMLEY-HORN.COM

MAYOR

PHIL GOODE

CITY COUNCIL

BRANDON MONTOYA
ERIC MOORE
CATHEY RUSING
STEVE SISCHKA
CLARK TENNEY
CONNIE CANTELME

TOPOGRAPHIC SURVEYOR

KIMLEY HORN & ASSOCIATES, INC.
7740 N 16TH ST. #300
PHOENIX, AZ 85020
CHAD HUBER, RLS 35316

REVIEWED BY

Don Mattingly

CITY ENGINEER

August 14, 2023

DATE

David D. Olfers

UTILITIES MANAGER

July 26, 2023

DATE

RECORD DRAWING CERTIFICATION

I HEREBY CERTIFY, TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THIS
PROJECT HAS BEEN COMPLETED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS,
SPECIFICATIONS AND REFERENCED STANDARDS, EXCEPT AS SHOWN HEREON; THAT THESE
AS-BUILT PLANS REFLECT THE POSITION OF CONSTRUCTED IMPROVEMENTS BASED ON FIELD
MEASUREMENTS; AND THAT THE MATERIALS USED IN CONSTRUCTION ARE AS SHOWN BASED
ON FIELD OBSERVATION AND TEST RESULTS.

THIS CERTIFICATION DOES NOT WARRANT MATERIALS, WORKMANSHIP, METHODS OF
CONSTRUCTION, OR OTHER ITEMS AFFECTING THE WARRANTY OF THIS PROJECT, TO THE CITY
OF PRESCOTT. USERS OF THIS INFORMATION ARE ADVISED TO OBTAIN INDEPENDENT
VERIFICATION OF ACTUAL CONDITIONS.

REGISTERED PROFESSIONAL ENGINEER (CIVIL)

DATE

DWG. NO.	CV01	DATE	07/12/2023	SHEET NO.	01	OF	23
CITY OF PRESCOTT PUBLIC WORKS		PRESCOTT LAKES PARKWAY AND SUNDOG RANCH ROAD INTERSECTION IMPROVEMENTS		COVER SHEET			
CITY OF PRESCOTT Everybody's Hometown		PREPARED BY	JTH	CHECKED BY	ACB	FOR:	COP
KIMLEY»HORN © 2003 KIMLEY-HORN & ASSOCIATES, INC. 101 W GOODWIN ST., SUITE 303 PRESCOTT, ARIZONA 86303 PHONE: (928) 458-7121 WWW.KIMLEY-HORN.COM		18841 ANDREW C. BAIRD Date Signed 07/12/23 ARIZONA U.S.A.					
		APPR	DATE	CITY			
		REVISIONS					
NO.	BY	DATE	ENGINEER				
CIP #: 2208-007							

PRESCOTT LAKES PARKWAY AND SUND OG RANCH ROAD INTERSECTION IMPROVEMENTS

1. ALL CONSTRUCTION SHALL CONFORM TO MARICOPA ASSOCIATION OF GOVERNMENTS (MAG) & CITY OF PRESCOTT (COP) CONSTRUCTION STANDARDS & SPECIFICATIONS, LATEST REVISIONS, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CITY OF PRESCOTT HAS ADOPTED THE LATEST REVISIONS OF THE MARICOPA ASSOCIATION OF GOVERNMENTS STANDARD SPECIFICATIONS AND DETAILS (MAG STANDARDS), UNLESS SPECIFICALLY MODIFIED ON THE PLANS.	19. APPROVAL OF A PORTION OF THE WORK IN PROGRESS DOES NOT GUARANTEE ITS FINAL ACCEPTANCE. TESTING AND EVALUATION MAY CONTINUE UNTIL THE WRITTEN FINAL ACCEPTANCE IS OBTAINED BY THE CITY OF PRESCOTT.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN COPIES OF MAG AND CITY OF PRESCOTT STANDARDS AND SPECIFICATIONS AS WELL AS ALL OTHER STANDARDS AND SPECIFICATIONS NECESSARY TO COMPLETELY AND ACCURATELY INTERPRET THESE PLANS.	20. THE CITY OF PRESCOTT MAY SUSPEND THE WORK BY WRITTEN NOTICE WHEN, IN ITS JUDGEMENT, PROGRESS IS UNSATISFACTORY, WORK BEING DONE IS UNAUTHORIZED OR DEFECTIVE, WEATHER CONDITIONS ARE UNSTABLE, OR THERE IS A DANGER TO THE PUBLIC HEALTH AND SAFETY.
3. ALL PLANS SIGNED BY THE CITY ENGINEER ARE NULL AND VOID ONE YEAR FROM DATE OF SIGNATURE IF CONSTRUCTION HAS NOT STARTED, RESUBMITAL AND REVIEW SHALL BE REQUIRED, AFTER ONE YEAR.	21. ALL OBSTRUCTIONS IN THE RIGHT OF WAY SHALL BE REMOVED BEFORE ANY CONSTRUCTION IS PERMITTED.
4. ALL QUANTITIES SHOWN ON THE PLANS ARE APPROXIMATE, ARE NOT VERIFIED BY THE PUBLIC WORKS DIRECTOR, AND ARE FURNISHED SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THEY DO NOT NECESSARILY CORRESPOND TO BID SCHEDULE ITEMS. PAYMENT SHALL BE BASED ON BID SCHEDULE ITEMS FOR ACTUAL QUANTITIES PROVIDED AND INSTALLED. THE CONTRACTOR SHALL NOT BE RELIEVED OF HIS RESPONSIBILITY FOR INDEPENDENTLY ESTIMATING WORK QUANTITIES PRIOR TO BIDDING.	22. REMOVAL OF STRUCTURES AND OBSTRUCTIONS AS NECESSARY TO COMPLETE THE WORK, OTHER THAN SPECIFICALLY SCHEDULED IN THE BID, IS INCIDENTAL TO THE CONTRACT. NO SEPARATE MEASUREMENT OR PAYMENT FOR UNSCHEDULED REMOVAL ITEMS WILL BE MADE.
5. CITY OF PRESCOTT PUBLIC WORKS DEPARTMENT PERMITS WILL BE REQUIRED FOR ALL OFF-SITE CONSTRUCTION AND CONSTRUCTION WITHIN THE PUBLIC RIGHT OF WAY.	23. CLEARING AND GRUBBING IS CONSIDERED INCIDENTAL TO THE WORK UNLESS SPECIFICALLY IDENTIFIED IN THE BID SCHEDULE. NO SEPARATE MEASUREMENT OR PAYMENT FOR CLEARING AND GRUBBING, AND TREE REMOVAL, WILL BE MADE. THE SITE OF ALL EXCAVATION, EMBANKMENTS, AND FILLS SHALL FIRST BE CLEARED OF STUMPS, TRASH, WEEDS, RUBBISH, AND ROCK. LOGS AND BRUSHES SHALL NOT BE PLACED ON SUBGRADE UNTIL SUBGRADE INSPECTION. THE CONTRACTOR MUST SATISFY HIMSELF REGARDING THE CHARACTER OF THE SUBSOILS TO INCLUDE THE AMOUNT OF LOAM, CLAY, SAND, QUARTZ, HARDPAN, GRAVEL, ROCK, WATER, AND ALL OTHER MATERIAL TO BE ENCOUNTERED AND WORK TO BE PERFORMED.
6. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN, AT HIS OWN EXPENSE, SUCH PERMITS AS ARE REQUIRED FROM THE APPROPRIATE AGENCIES.	24. THE CONTRACTOR SHALL GUARD AGAINST DAMAGE DURING CONSTRUCTION TO EXISTING PROPERTIES AND IMPROVEMENTS. ANY ITEMS DAMAGED BY THE CONTRACTOR'S ACTIVITIES SHALL BE REPLACED IN KIND OR BETTER AT THE CONTRACTOR'S EXPENSE.
7. BEGINNING ANY CONSTRUCTION IN THE PUBLIC RIGHT OF WAY.	25. THE CONTRACTOR SHALL KEEP SUITABLE EQUIPMENT ON HAND AT THE JOBSITE FOR MAINTENANCE DUST CONTROL, AND SHALL CONTROL DUST AS DIRECTED BY THE APPROPRIATE AGENCY.
8. THE PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED A MINIMUM OF 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION IN THE PUBLIC RIGHT OF WAY.	26. SIGNAGE AND TRAFFIC SIGNS SHALL BE RELOCATED BY THE CONTRACTOR IF NECESSARY, AT THE DIRECTION OF THE PUBLIC WORKS DIRECTOR.
9. A THOROUGH ATTEMPT SHALL BE MADE TO SHOW THE LOCATION OF ALL EXISTING UNDERGROUND OBSTRUCTIONS AND UTILITY LINES IN THE WORK AREA. THE ENGINEER AND THE CITY OF PRESCOTT WILL NOT GUARANTEE ANY LOCATIONS OR ELEVATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR MAKING A COMPLETE AND ACCURATE ON-SITE DETERMINATION OF THE LOCATIONS, MATERIAL, AND SIZE OF ALL UTILITIES, STRUCTURES, AND FIELD CONDITIONS WHICH MAY AFFECT THE PROGRESS OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO STRUCTURES AND UTILITIES ENCOUNTERED DURING CONSTRUCTION AND SHALL FIELD EXPOSE EXISTING UNDERGROUND UTILITIES PRIOR TO TRENCHING IN THEIR WORTH.	27. BACKFILL COMPACTION SHALL BE TYPE 1 (MAG, SECTION 800) UNLESS OTHERWISE NOTED.
10. THE CONTRACTOR IS REQUIRED TO CONTACT BLUE STAKE (1-800-STAKE1) A MINIMUM OF TWO WORKING DAYS (48) HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE APPROPRIATE UTILITY COMPANIES SHALL BE NOTIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION.	28. NO PAVING CONSTRUCTION SHALL BE STARTED UNTIL ALL UNDERGROUND UTILITIES WITHIN THE ROADWAY PRISM ARE VERIFIED FOR DETAIL COMFORMANCE, COMPLETED AND TESTED (TO INCLUDE BUT NOT LIMITED TO) SEWER TESTING, LOW AIR TESTING OF MAIN LINE AND SERVICES, TRACE WIRE TESTING, DEFLECTION TESTING AND VERIFICATION OF MANHOLES CONFORMING TO COP DETAIL 100P, WATER TESTING CHLORINATION/CONSTRUCTING OF MAIN LINE AND SERVICES, PRESSURE TESTING, TRACE WIRE TESTING AND VERIFICATION OF VALVE BOXES CONFORMING TO COP DETAIL 100P.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE RELOCATION AND/OR SUPPORT OF ALL UTILITIES.	29. ALL ASPHALT CONCRETE PAVEMENT SHALL BE PER APPLICATION MA6 SPECIFICATIONS AS ADVISED BY THE CITY OF PRESCOTT. ASPHALT CONCRETE MIX DESIGN SHALL BE SUBMITTED TO THE PUBLIC WORKS DIRECTOR OR HIS DESIGNEE FOR APPROVAL PRIOR TO START OF CONSTRUCTION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE PUBLIC WORKS DEPARTMENT FOR APPROVAL, TRAFFIC CONTROL PLANS PRIOR TO BEGINNING ANY CONSTRUCTION. THE CONTRACTOR SHALL DETERMINE AND SUBMIT FOR APPROVAL, THE EXACT SCHEDULING/TRAFFIC CONTROL DEVICES NEEDED AND ALL THE DETAILS OF THE TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE THEREOF. NO STREET IS TO BE CLOSED, RESTRICTED, OR CONSTRUCTED UPON UNTIL A TRAFFIC CONTROL PLAN IS APPROVED BY THE CONTRACTOR AND SUBMITTED TO THE PUBLIC WORKS DIRECTOR. APPROVAL OF THE PLAN IN ADVANCE FOR REVIEW AND APPROVAL.	30. ALL UTILITY FRAMES, COVERS, VALVE BOXES, MANHOLES, ETC. SHALL BE ADJUSTED TO FINISH ASHAD GRADE AFTER PLACEMENT OF SURFACE COURSE BY THE CONTRACTOR PER COP STANDARD DETAILS.
13. APPROPRIATE EMERGENCY AGENCIES SHALL BE NOTIFIED A MINIMUM OF 24 HOURS PRIOR TO ANY CLOSING OF STREETS.	31. ACCEPTANCE OF THE COMPLETED PAVING STRUCTURES WILL NOT BE GIVEN UNTIL REPRODUCIBLE "AS-BUILT" PLANS HAVE BEEN SUBMITTED BY THE CONTRACTOR AND APPROVED BY THE CITY.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION SURVEYING AND LAYOUT WITH CONTROL PROVIDED BY THE DESIGN ENGINEER OR HIS DESIGNEE.	32. ALL CONCRETE TO BE AT LEAST 4000 PSI CLASS "A" PORTLAND CEMENT CONCRETE, UNLESS OTHERWISE SPECIFIED ON THE PLANS. SPECIFICATIONS, OR IN STANDARD DETAILS.
15. THE CONTRACTOR IS RESPONSIBLE FOR QUALITY CONTROL MEASURES SUFFICIENT TO PRODUCE MATERIALS AND WORKMANSHIP OF ACCEPTABLE QUALITY. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL SUBMIT A QUALITY CONTROL PLAN. THE CONTRACTOR AT HIS OWN EXPENSE SHALL PROVIDE AN INDEPENDENT GEOTECHNICAL FIRM TO PERFORM QUALITY CONTROL TESTING SUCH AS SOILS AND CONCRETE TESTING, AND FILL THE ASPHALTIC CONCRETE LAYDOWN COMPACTION TESTING AND ADEQUATE PLANT CONTROL FOR EACH PAVING DAY. THE CITY, BY SEPARATE CONTRACT, WILL BE RESPONSIBLE FOR QUALITY ASSURANCE TESTING AS IT MAY DEEM NECESSARY.	33. EDGES OF CONCRETE STRUCTURES TO HAVE A 3/4" CHAMFER, UNLESS OTHERWISE SPECIFIED ON THE PLANS.
16. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS OF TESTING AND INSPECTION, INCLUDING THE PRESENCE OF CITY INSPECTORS, REQUIRED AT NIGHT OR ON WEEKENDS.	34. CONCRETE SURFACES TO HAVE A BROOM FINISH UNLESS OTHERWISE NOTED.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RE-WORK AND/OR REMOVAL AND REPLACEMENT OF ALL MATERIALS REPRESENTED BY FAILING TESTS OR SUBSTANDARD WORKMANSHIP.	35. ALL EXPANSION JOINTS TO BE SEALED WITH A EXPANSION JOINT, PRE-FORMED JOINT FILLER AND SEALER, IN ACCORDANCE WITH MAG SECTION 729.
18. THE CONTRACTOR SHALL IMPLEMENT BEST-HOUSE-KEEPING MEASURES, AND EROSION AND SEDIMENT CONTROL MEASURES, TO PREVENT THE TRANSPORT OF CONSTRUCTION MATERIALS INTO DRAINAGE RILTS, STORM DRAIN MANHOLES, UTILITY STRUCTURES, OR ONTO ADJACENT STREETS AND PROPERTIES.	36. DRIVEWAY ENTRANCES WILL BE LOCATED AS SPECIFIED ON THE PLANS UNLESS MODIFIED IN THE FIELD BY THE ENGINEER. ALL DRIVEWAY ENTRANCES SHALL BE CONSTRUCTED OVER 6" THICK AGGREGATE BASE COURSE PER MAG SPECIFICATION 702 AND COMPACTED TO BOX OF STANDARD PROCTOR DENSITY, UNLESS OTHERWISE NOTED.
	37. ALL DISTURBED AREAS SHALL BE REPLACED IN KIND. CONTRACTOR SHALL EXTEND FENCE REPLACEMENT TO THE CLOSEST UPRIGHT SUPPORT NECESSARY FOR STABILITY.
	38. MAINTENANCE SHALL BE REMOVED AND REINSTALLED AS DIRECTED BY THE U.S. POSTAL SERVICE AND THE CITY OF PRESCOTT TEMPORARY LOCATIONS SHALL BE PER U.S.P.S.
	39. ALL JOBS WILL BE CONSIDERED COMPLETE UNTIL ALL CURBS, PARAPETS, AND SIDEWALKS HAVE BEEN SWEEP CLEAN OF ALL DIRT AND DEBRIS.
	40. THE CONTRACTOR SHALL WARRANT ALL WORK FOR A MINIMUM TWO YEAR PERIOD AFTER FORMAL ACCEPTANCE OF THE WORK BY THE CITY.
	41.

COP STANDARD DETAIL	GENERAL NOTES	<i>Charles Anderson</i> CITY ENGINEER	REVISED: 07/16	DETAIL No. 101P
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1. THE CONTRACTOR SHALL SPOT LAYOUT THE ENTIRE PROJECT AND CONTACT THE CITY INSPECTOR TO MAKE ARRANGEMENTS FOR INSPECTION PRIOR TO INSTALLING TRAFFIC SIGNS OR PAVEMENT MARKINGS. ANY SIGNING OR STRIPING INSTALLED BEFORE LAYOUT APPROVAL SHALL BE SUBJECT TO REMOVAL AND REINSTALLATION AT THE CONTRACTOR'S EXPENSE.	2. TRAFFIC SIGN DIMENSIONS, COLORS AND LETTERING SHALL CONFORM TO THE LATEST MUTCD SPECIFICATIONS. TRAFFIC SIGN SIZE SHALL BE STANDARD UNLESS OTHERWISE SPECIFIED ON THE PLANS.
3. SIGN LOCATION SHALL BE COORDINATED WITH LANDSCAPING PLANS TO ENSURE SIGN VISIBILITY PER AASHTO STANDARDS.	4. ALL R-1 STOP SIGNS AND PEDESTRIAN WARNING SIGNS SHALL BE RETRO-REFLECTIVE WITH SHEETING MATERIAL TO BE DIAMOND PUV GRADE, MEETING OR EXCEEDING ASTM SPECIFICATIONS.
5. ALL OTHER SIGNS ARE TO BE RETRO-REFLECTIVE WITH SHEETING MATERIAL TO BE HIGH INTENSITY PRISMATIC. SIGN BLANKS SHALL BE 5052-H38 ALLOY TREATED ALUMINUM WITH ALDINE 1200 CONVERSION COATING, 0.007 THICK WITH ROUNDED CORNERS.	6. SIGN BLANKS SHALL BE 5052-H38 ALLOY TREATED ALUMINUM WITH ALDINE 1200 CONVERSION COATING, 0.007 THICK WITH ROUNDED CORNERS.
7. SIGNS SHALL BE MOUNTED ON STREET LIGHT POLES WHENEVER FEASIBLE.	8. STRIPING SHALL CONFORM TO THE MOST RECENT EDITION OF THE MUTCD WITH REGARD TO SIZE, COLOR, REFLECTIVITY AND PLACEMENT UNLESS OTHERWISE SPECIFIED ON THE PLANS.
9. ALL THERMOPLASTIC APPLICATIONS SHALL CONFORM TO ADOT SPECIFICATION 704. TRANSVERSE MARKINGS, SYMBOLS AND LEGENDS SHALL BE 90 MIL (0.090 INCH) THICK. LONGITUDINAL MARKINGS SHALL BE 60 MIL (0.060 INCH) THICK ALSO EXTRUDED THERMOPLASTIC.	10. ALL PAINT APPLICATION SHALL CONFORM TO ADOT SPECIFICATION 708.
11. ALL CONFLICTING STRIPING, PAVEMENT MARKINGS, AND CURB PAINT SHALL BE REMOVED BY WET SANDBLASTING OR OTHER APPROVED METHOD PRIOR TO THE INSTALLATION OF NEW STRIPING, SLURRY OR PAINT. PAINT SHALL NOT BE USED TO COVER EXISTING PAINT. PAYMENT THAT IS DAMAGED DUE TO THE REMOVAL OF MARKERS OR STRIPING SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY ENGINEER OR HIS DESIGNEE.	

COP STANDARD DETAIL	SIGNING AND STRIPING NOTES	<i>Charles Anderson</i> CITY ENGINEER	REVISED: 07/16	DETAIL No. 106P-1
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ACRONYM / ABBREVIATION

AB	AGGREGATE BASE	H	HEIGHT	RT	RIGHT
ABC	AGGREGATE BASE COURSE	INV	INVERT	R	RADIUS
AC	ASPHALTIC CONCRETE	LI	LANDSCAPE ISLAND	R/W	RIGHT-OF-WAY
BP	BEGIN PROJECT	LT	LEFT	RDWY	ROADWAY
C	CONCRETE	LF	LINEAR FEET	SHT	SHEET
Q	CENTERLINE	M.A.G.	MARICOPA ASSOCIATION	SM	SURVEY MARKER
CONST	CONSTRUCTION		OF GOVERNMENTS	SS	SANITARY SEWER
COMM	COMMUNICATION	MH	MANHOLE	ST	STREET
DET	DETAIL	MIN	MINIMUM	STA	STATION
DP	DRIVE PATH	N	NORTHING	STD	STANDARD
E	EASTING	NO	NUMBER	STRUCT	STRUCTURAL
EA	EACH	P	PAVEMENT	SIDWALK	SW
ELEC	ELECTRIC	PC	POINT OF CURVE	TBC	TOP OF CURB
ELEV	ELEVATION	PCC	PORTLAND CEMENT CONCRETE	TEL	TELEPHONE
EOP	EDGE OF PAVEMENT	PI	POINT OF INTERSECTION	TEMP	TEMPORARY
EP	END PROJECT	POB	POINT OF BEGINNING	TOP	TOP OF PIPE
EXIST	EXISTING	POE	POINT OF ENDING	TYP	TYPICAL
FC	FACE OF CURB	PT	POINT OF TANGENT		
FH	FIRE HYDRANT	QC	QUAD CITY		
FL	FLOW LINE				
FT.	FEET				

1. ALL GRADING SHALL CONFORM TO THE CURRENT CITY ADOPTED EDITION OF THE INTERNATIONAL BUILDING CODE AND CITY OF PRESCOTT LAND DEVELOPMENT CODE (REFERENCE CITY OF PRESCOTT STANDARD SECTIONS).	17. THE EXPOSED SOILS SHALL THEN BE SCARIFIED TO PROVIDE A BOND WITH NEW FILL BROUGHT TO PROPER MOISTURE CONTENT AND COMPACTED TO AT LEAST 90% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D1557-78 OR EQUIVALENT.
2. ALL PROVISIONS OF THE PRELIMINARY SOILS REPORT PREPARED BY THE CONTRACTOR, DATED _____, SHALL BE COMPLIED WITH DURING OPERATIONS.	18. THE SOILS AND DESIGN ENGINEER OF RECORD SHALL ALSO BE RESPONSIBLE TO INSPECT, VERIFY AND REPORT THAT PROPER COMPACTION HAS BEEN OBTAINED BY EITHER CONSTRUCTION OR SUBCONTRACTOR AND PRIVATE UTILITY FRANCHISES CONCERNING UTILITY LINE BACKFILL, TO INCLUDE ELECTRICAL, GAS, CABLE, FIBEROPTIC AND LANDSCAPE IRRIGATION LINES. ADDITIONALLY, WATER AND SEWER LINES TO BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH GENERAL ENGINEERING REQUIREMENTS SECTION AND DETAIL.
3. THIS PLAN IS FOR GRADING PURPOSES ONLY. APPROVAL OF THIS PLAN DOES NOT NECESSARILY APPROVE OF DRIVEWAY LOCATIONS, ACCESS, PAVING, OR LAYOUTS. SEWER AND WATER FACILITIES, BUILDING LOCATIONS, OFF-SITE DRAINAGE FACILITIES OR OTHER ITEMS NOT RELATED DIRECTLY TO THE BASIC GRADING OPERATION.	19. AN AS-GRADED GRADING PLAN AND THE CERTIFICATION OF COMPLIANCE FORMS FOR SAID GRADING PLAN WITH THE PROPER STAMPS AND SIGNATURES ARE TO BE SUBMITTED TO THE CITY ENGINEER PRIOR TO RELEASE OF GRADING BOND AND PRIOR TO FINAL GRADING INSPECTION. BUILDING PAD CERTIFICATION SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT WHEN REQUESTED.
4. CERTIFICATION FROM THE REGISTERED CIVIL ENGINEER AND SOILS/GEOTECHNICAL ENGINEER STATING THAT THE ROUGH GRADING HAS BEEN COMPLETED PER THE APPROVED PLAN, AND A COMPACTION REPORT FROM THE SOILS ENGINEER ON ANY FILL AREAS THAT ARE REQUIRED SHALL BE PROVIDED PRIOR TO BUILDING PERMITS BEING ISSUED.	20. NO FILL SHALL BE PLACED UNTIL STRIPPING OF VEGETATION, REMOVAL OF UNSUITABLE SOILS, AND INSTALLATION OF SUBDRAINS (IF ANY) HAVE BEEN INSPECTED AND APPROVED BY THE SOILS ENGINEER.
5. PARTIES NAMED ON ADEOS NOTICE OF INTENT (N.O.I.) ARE RESPONSIBLE FOR EROSION, DUST, MUD, SILT, DEBRIS, AND TEMPORARY DRAINAGE CONTROL DURING GRADING OPERATIONS AND MAY BE REQUIRED TO PROVIDE A SWPPP.	21. ENGINEER MUST SET GRADE STAKES FOR ALL DRAINAGE DEVICES AND OBTAIN INSPECTION BEFORE POURING.
6. ANY ON-SITE RETAINING WALLS WILL REQUIRE APPROVAL AS PART OF THESE PLANS. ANY NECESSARY RETAINING WALLS ON THE PERIMETER OF THIS SITE MAY BE REQUIRED TO BE IN PLACE AND APPROVED BY THE CITY BUILDING DEPARTMENT PRIOR TO THE START OF GRADING. A SEPARATE PLAN WITH REQUIRED STRUCTURAL CALCULATIONS MAY BE REQUESTED FOR RETAINING WALLS.	22. GRADING SHALL NOT BE STARTED WITHOUT FIRST NOTIFYING CITY PUBLIC WORKS INSPECTION DEPARTMENT. PRE-GRADING MEETING ON THE SITE IS REQUIRED BEFORE BEGINNING GRADING ACTIVITIES BY THE FOLLOWING PEOPLE PRESENT: OWNER, GRADING CONTRACTOR, DESIGN CIVIL ENGINEER, SOILS ENGINEER/GEOTECHNICAL, PUBLIC WORKS INSPECTOR, AND WHEN REQUIRED, THE ARCHAEOLOGIST AND PALEONTOLOGIST. THE REQUIRED INSPECTIONS FOR GRADING WILL BE EXPLOINED AT THE PRE-CONSTRUCTION MEETING.
7. ANY INFRASTRUCTURE CONSTRUCTED IN THE PUBLIC RIGHT OF WAY WILL REQUIRE SEPARATE PLAN APPROVAL AND INSPECTION FROM THE CITY ENGINEER.	23. ALL EXISTING FILLS SHALL BE APPROVED AND CERTIFIED BY THE SOILS ENGINEER OR HIS DESIGNEE PRIOR TO ANY ADDITIONAL FILL.
8. ANY WALLS, FENCES, STRUCTURES AND/OR APPURTENANCES ADJACENT TO THIS PROJECT SHALL BE PROTECTED IN PLACE. IF GRADING OPERATIONS DAMAGE OR ADVERSELY AFFECT SAID ITEMS IN ANY WAY, THE CONTRACTOR AND/OR DEVELOPER IS RESPONSIBLE FOR WORKING OUT AN ACCEPTABLE SOLUTION TO THE SATISFACTION OF THE AFFECTED PROPERTY OWNER(S).	24. ALL TRENCH BACKFILLS SHALL BE TESTED AND APPROVED BY THE SOIL ENGINEER.
9. THE CONTRACTOR/DEVELOPER IS RESPONSIBLE FOR ENSURING THAT RETAINING WALLS SHALL NOT INTERFERE WITH THE PROPOSED CONSTRUCTION OF THE PROJECT ON SITE AND OUTSIDE OF THE RIGHT OF WAY. THIS SHALL INCLUDE THE FOOTINGS.	25. THE COMPACTION REPORT AND APPROVAL FROM THE SOIL ENGINEER SHALL INDICATE THE METHOD OF TESTING PERFORMED. EACH TEST SHALL BE IDENTIFIED WITH THE METHOD OF OBTAINING THE IN-PLACE DENSITY, WHETHER SAND CONE OR NUCLEAR GAUGE, AND SHALL BE SO NOTED FOR EACH TEST.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT COMPACTION HAS BEEN OBTAINED ON THE ENTIRE GRADING SITE, AS SUBDRAINS, TRENCHES, AND OTHER ENGINEERING PLANS, INCLUDING AREAS OUTSIDE OF BUILDING PAD AND ON ALL FILL SLOPES, AND SHALL BE CERTIFIED BY THE SOILS ENGINEER.	26. EXPORT SOIL MUST BE TRANSPORTED TO A LEGAL DUMP OR TO A PERMITTED SITE SHOWN CLEARLY ON APPROVED PLANS.
11. CITY APPROVAL OF PLANS DOES NOT RELIEVE THE DEVELOPER FROM THE RESPONSIBILITY FOR CORRECTION OF ERRORS OR OMISSIONS DURING CONSTRUCTION. ANY CORRECTIONS OR REVISIONS TO THE PLANS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER FOR APPROVAL.	27. ALL EXISTING DRAINAGE COURSES THROUGH THIS SITE SHALL REMAIN OPEN UNTIL FADULTURE TO HANDLE STORM WATER ARE APPROVED AND FUNCTIONAL. HOLES, IN ANY CASE, ARE PERMITTED, BUT NOT LIABLE FOR ANY DAMAGE DUE TO OBSTRUCTING NATURAL DRAINAGE PATTERNS.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A GRADING PERMIT AND NOTIFYING THE CITY OF PRESCOTT OR DEVELOPER'S GRADING INSPECTOR TO SCHEDULE A PREGRADING MEETING TWO WORKING DAYS PRIOR TO THE START OF WORK.	
13. GRADING SHALL BE COMPLETED WITHOUT OBTAINING A GRADING PERMIT AND NOTIFYING THE CITY OF PRESCOTT OR DEVELOPER'S GRADING INSPECTOR TO SCHEDULE A PREGRADING MEETING TWO WORKING DAYS PRIOR TO THE START OF WORK.	
14. PRIOR TO THE START OF GRADING ALL SWPPP MEASURES SHALL BE IN PLACE. ALL DEBRIS SHALL BE REMOVED FROM THE SITE. THE CONTRACTOR SHALL EXTEND FENCE REPLACEMENT TO THE CLOSEST UPRIGHT SUPPORT NECESSARY FOR STABILITY.	
15. AFTER REMOVAL OF DEBRIS, ANY EXISTING FILL OR DISTURBED NATURAL SOILS SHALL BE EXCAVATED TO THE SATISFACTION OF THE SOILS ENGINEER. THE CONTRACTOR SHALL BE REMOVED FROM THE SITE TO THE SATISFACTION OF THE SOILS ENGINEER.	
16. THE EXPOSED SOILS SHALL THEN BE INSPECTED BY THE SOILS ENGINEER, AND ANY ADDITIONAL OVER-EXCAVATION SHALL THEN BE MADE IN ACCORDANCE WITH THE SOILS ENGINEER'S RECOMMENDATIONS AND AS CONTAINED IN THE SOILS REPORT.	

COP STANDARD DETAIL	GRADING AND DRAINAGE NOTES	<i>Charles Anderson</i> CITY ENGINEER	REVISED: 07/16	DETAIL No. 105P-1
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1. ALL MATERIAL, EQUIPMENT AND INSTALLATION SHALL CONFORM TO THE LATEST MUTCD SPECIFICATIONS. THE ADOT TRAFFIC SIGNAL AND LIGHTING STANDARD DRAWINGS, ADOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE CITY OF PRESCOTT STANDARD DETAILS.	2. ALL EQUIPMENT SHALL BE APPROVED BY THE CITY OF PRESCOTT THROUGH THE ELECTRICAL EQUIPMENT SUBMITTAL PROCESS PRIOR TO THE ORDERING OF EQUIPMENT.
3. THE LOCATION OF EACH NEW POLE FOUNDATION, PULLBOX, CONTROLLER CABINET FOUNDATION, UPS CABINET FOUNDATION AND ELECTRICAL SERVICES PEDESTAL FOUNDATION SHALL BE MARKED IN THE FIELD AS SHOWN ON THE PLANS. THE EXACT LOCATION SHALL BE APPROVED BY THE CITY TRAFFIC ENGINEER AND/OR APPROVED CITY REPRESENTATIVE BY CONTACTING (920)777-1130 PRIOR TO WORK.	4. ALL VEHICLE AND PEDESTRIAN COUNTDOWN INDICATIONS SHALL BE LED.
5. ALL VEHICLE AND PEDESTRIAN COUNTDOWN HEADS SHALL BE PROVIDED AT ALL VEHICULAR SIGNAL LOCATIONS WHENEVER SIDEWALK CONNECTIONS EXIST OR ARE INSTALLED.	6. TRAFFIC SIGNAL PULL BOXES SHALL BE PROVIDED AT ALL VEHICULAR SIGNAL LOCATIONS TO ADOT STANDARD DRAWINGS TS1-1 EXCEPT THAT THE PUSH BUTTON SHALL BE A MINIMUM OF TWO INCH IN DIAMETER. PUSH BUTTONS MUST MEET ADA REQUIREMENTS AND BE MOUNTED AT ADA HEIGHTS.
7. ACCESSIBLE PEDESTRIAN SIGNAL SYSTEMS SHALL BE REQUIRED WHEN DIRECTED BY THE CITY TRAFFIC ENGINEER AND/OR APPROVED CITY REPRESENTATIVE.	8. METER PEDESTAL CABINET SHALL BE MYERS PSM 2000 OR 1250 UPS W/FOUNDATION OR APPROVED EQUAL.
9. TRAFFIC SIGNAL PULL BOXES SHALL BE NO. 7 OR NO. 5 AS CALLED FOR ON THE PLANS AND CONFORM TO THE TS 1-4, 1-5 AND 1-5 OF THE ADOT TRAFFIC SIGNALS AND LIGHTING STANDARD DRAWINGS. BOX SHALL BE LOCKING AND LABELED WITH "TRAFFIC SIGNAL" UNLESS OTHERWISE SPECIFIED BY THE CITY TRAFFIC ENGINEER AND/OR THE APPROVED CITY REPRESENTATIVE.	10. ALL CONDUTS SHALL BE SCHEDULE 40 PVC, OF A DIAMETER AS CALLED FOR ON THE APPROVED PLANS.
11. LOOP DETECTOR SHALL BE SIX (6) FEET BY FIFTY (50) FEET QUADRIPOLE UNLESS OTHERWISE SPECIFIED BY THE CITY TRAFFIC ENGINEER AND/OR THE APPROVED CITY REPRESENTATIVE.	12. THE TOP OF THE POLE FOUNDATION SHALL BE LEVEL WITH THE FINISHED GRADE IF THE SLOPE OR SHOULDER DROPS OFF FROM FINISHED GRADE. THE CONTRACTOR SHALL GRADE AROUND THE POLE FOUNDATION. THE TOP OF THE FOUNDATION SHALL EXTEND NO MORE THAN 4 INCHES ABOVE THE ADJACENT ULTIMATE GRADE.
13. ALL CONCRETE USED FOR TRAFFIC SIGNAL POLE AND CABINET FOUNDATIONS SHALL BE CLASS "A".	14. THE CONTRACTOR SHALL CONTACT THE CITY TRAFFIC ENGINEER AND/OR THE APPROVED CITY REPRESENTATIVE TO ARRANGE FOR METER AND ELECTRICAL SERVICE CONNECTION FROM ARIZONA PUBLIC SERVICE (APS). THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND INSTALLING THE SERVICE CONDUIT RUN FROM THE POWER COMPANY SOURCE TO THE SIGNAL METER PEDESTAL.
15. EMERGENCY VEHICLE PREEMPTION SHALL BE INSTALLED AT ALL TRAFFIC SIGNAL INTERSECTIONS. THE CONTRACTOR SHALL PROVIDE AND INSTALL AN OPTICON 700 SERIES SYSTEM OR APPROVED EQUAL TO INCLUDE, SENSORS, PROCESSORS, CONFIGURATION AND CONTROLLER HARDWARE, MOUNTING HARDWARE, INTERFACE CABLES, OPTICAL CABLES, AND ANY OTHER EQUIPMENT REQUIRED FOR A FULLY FUNCTIONING PRE-EMPTION SYSTEM.	16. CONTRACTOR SHALL PERFORM A GROUND RESISTANCE TEST FOR EACH INSTALLED GROUND ROD AND POLE FOUNDATION GROUNDING COIL IN ACCORDANCE WITH ADOT SPEC. 723-3.0.3.
17. CONTRACTOR SHALL BAG ALL NEWLY INSTALLED VEHICULAR AND/OR PEDESTRIAN TRAFFIC SIGNAL HEADS WITH BURLAP OR OTHER APPROVED MATERIAL UNTIL FINAL INSPECTION AND ACCEPTANCE BY THE CITY TRAFFIC ENGINEER AND/OR THE APPROVED CITY REPRESENTATIVE.	18. CONTRACTOR SHALL REPLACE ALL LANDSCAPING AND/OR IRRIGATION FACILITIES THAT MAY BE DISTURBED OR DAMAGED DURING TRAFFIC SIGNAL CONSTRUCTION AT HIS EXPENSE. CONTACT THE PROPERTY OWNER FOR INFORMATION ON THE LOCATION OF IRRIGATION EQUIPMENT.
19. CONTRACTOR SHALL PROVIDE AND INSTALL "TRAFFIC CONTROL CHANGE" SIGNS WITH FLAGS FOR 30 DAYS FOLLOWING TURN-ON.	20. CONTRACTOR SHALL RETURN ALL REMOVED/UNUSED TRAFFIC SIGNAL EQUIPMENT TO THE CITY OF PRESCOTT PUBLIC WORKS DEPARTMENT FOR ADDITIONAL INFORMATION, PLEASE CONTACT THE TRAFFIC SIGNAL SUPERVISOR AT (920)777-1616.
21. CONTRACTOR SHALL PROVIDE A SIX-FOOT COILED CORD IN THE POLICE PLANT, IN THE POLICE PLANT.	

COP STANDARD DETAIL	TRAFFIC SIGNAL NOTES	<i>Charles Anderson</i> CITY ENGINEER	REVISED: 07/16	DETAIL No. 106P-2
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1. A COPY OF THE APPROVED GRADING AND DRAINAGE PLAN FOR THIS PROJECT AND EROSION AND SEDIMENT CONTROL (ESC) PLAN OR STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED ON THE SITE AND AVAILABLE FOR REVIEW. THOSE ELEMENTS OF THE GRADING AND DRAINAGE PLAN PERTINENT TO OR REFERENCED ON THE SWPPP SHALL BE CONSIDERED A PART OF THE SWPPP.	2. THE ESC/SWPPP AND RELATED RECORDS MUST BE MADE AVAILABLE UPON REQUEST TO ADEQ AND THE CITY OF PRESCOTT.
3. THE IMPLEMENTATION OF THESE PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE PERMITTEE/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED AND A NOTICE OF TERMINATION HAS BEEN SUBMITTED.	4. THE SCHEMATIC EROSION CONTROL MEASURES SHOWN ON THE PLANS ARE A MINIMUM. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY MEANS TO PROTECT EXISTING FACILITIES AND ADJACENT PROPERTIES FROM NOISE, DUST, AND STORM WATER RUNOFF THROUGHOUT CONSTRUCTION OF THE PROJECT AND BUILDINGS ON LOTS, AND SHALL CONDUCT HIS OPERATIONS IN SUCH A MANNER THAT STORM WATER WILL BE CONTAINED ON SITE OR CHANNELLED INTO A STORM DRAIN SYSTEM, PROVIDED THAT IT IS FREE FROM POLLUTANTS AND DEBRIS.
5. CONTRACTOR SHALL PERMANENTLY STABILIZE ALL DISTURBED SLOPES AS STATED ON APPROVED CONSTRUCTION PLANS. ALL EROSION CONTROL STRUCTURES SHALL REMAIN IN PLACE UNTIL EXPOSED SLOPES HAVE BEEN PERMANENTLY STABILIZED.	6. CONTRACTOR SHALL TAKE MEASURES TO PREVENT OR MINIMIZE THE GENERATION, EMISSION AND/OR TRANSPORT OF FUGITIVE DUST FROM CONSTRUCTION ACTIVITIES.
7. THIS PLAN SHALL BE IN EFFECT UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED, TRANSFERRED TO NEW OWNERSHIP, OR DEVELOPED UNDER FUTURE PLANS WITH A NEW NOTICE OF INTENT (NOI), SWPPP, AND PERMIT. ONCE THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS MET THE FINAL STABILIZATION REQUIREMENTS OF THE PERMIT, THE AUTHORIZED SITE REPRESENTATIVE MAY FILE A NOTICE OF ABANDONMENT (NOA) WITH ADEQ, WITH A COPY SUBMITTED TO THE CITY OF PRESCOTT ENGINEERING DIVISION TO TERMINATE COVERAGE UNDER THE PERMIT.	8. A CONCRETE WASHOUT SHALL BE INSTALLED FOR ALL PROJECTS THAT PROPOSE CONCRETE TO BE MIXED ON SITE OR BE DELIVERED FROM A BATCH PLANT. THE CONCRETE WASHOUT SHALL BE LOCATED A MINIMUM OF FIFTY (50) FEET FROM ANY DRAINAGE INFRASTRUCTURE OR NATURAL DRAINAGE FEATURES OR WATER BODIES AND INCORPORATE AN IMPERMEABLE LINER TO CONTAIN THE REQUIRED VOLUME. ALL DRIED CONCRETE WASTE SHALL BE BROKEN INTO MANAGEABLE PIECES AND DISPOSED OF OFF-SITE AT AN APPROVED FACILITY.

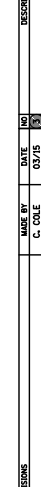
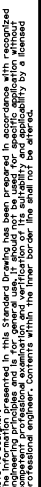
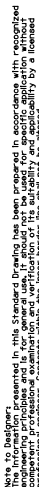
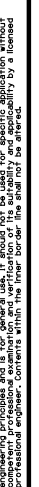
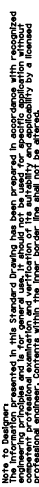
COP STANDARD DETAIL	EROSION AND SEDIMENTATION CONTROL NOTES	<i>Charles Anderson</i> CITY ENGINEER	REVISED: 07/16	DETAIL No. 105P-2
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LEGEND

EXISTING CONTOUR		PROPOSED AC PAVEMENT (2" THICK)		EXISTING JUNCTION BOX
EXISTING WATER LINE		PROPOSED AC PAVEMENT (6" THICK)		EXISTING WATER VALVE
EXISTING STORM DRAIN		MILL AC PAVEMENT		EXISTING FIRE HYDRANT
EXISTING SANITARY SEWER LINE		REMOVE AC PAVEMENT		EXISTING ELECTRIC POLE
EXISTING OVERHEAD ELECTRIC		REMOVE RIPRAP		EXISTING SIGN
EXISTING TELEPHONE LINE		PROPOSED CONCRETE		SURVEY BENCHMARK
EXISTING UNDERGROUND ELECTRIC		PROPOSED RETAINING WALL		POTHOLE
EXISTING GAS LINE				
EXISTING FENCE				
PROPERTY LINE, R.O.W.				
PROPOSED SAWCUT				
PROPOSED GUARD RAIL				



DWG. NO. GND1										CITY OF PRESCOTT PUBLIC WORKS										PRESOTT LAKES PARKWAY AND SUND OG RANCH ROAD INTERSECTION IMPROVEMENTS										DATE 07/12/2023										SHEET NO. 02 OF 23																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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ROCKY DELLS WATER MAIN POTHOLE LIST								
PH #	TYPE	TOP	DEPTH (FT)	NORTHING	EASTING	EG	MAT	DIA (IN)
01	SWR	NOT FOUND						
02	WTR	5209.00	4.38	599528.84	6158.10.58	5213.38	DIP	12
03	WTR	5207.67	4.42	599464.58	615747.80	5212.09	DIP	12
04	WTR	5210.96	4.30	599337.94	615795.42	5215.26	DIP	12
04A	SWR	5206.24	9.10	599334.07	615793.97	5215.34	PVC	8
05	SWR	NOT FOUND						
06	WTR	5216.07	3.50	599151.58	615867.83	5219.57	DIP	12
06A	GAS	5205.49	14.20	599149.76	615866.14	5219.69	STL	6

MODULAR BLOCK FACED GEOGRID RETAINING WALL (MSE WALL) NOTES

GENERAL NOTES

- CONTRACTOR SHALL SUBMIT WORKING DRAWINGS AND DESIGN CALCULATIONS TO THE ENGINEER FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO THE BEGINNING OF WALL CONSTRUCTION. ALL CALCULATIONS AND DRAWINGS SHALL BE PREPARED AND SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF ARIZONA. WORKING DRAWINGS SHALL INCLUDE DETAILED DESCRIPTION OF THE PROPOSED CONSTRUCTION METHODS BASED ON THE SITE SPECIFIC SOIL CHARACTERISTICS. WORKING DRAWINGS SHALL INCLUDE ALL DETAILS ASSOCIATED WITH PROVIDING THE WALL FINISH.
- ALL MODULAR WALL UNITS SHALL CONSIST OF VERSA-LOK STANDARD STRAIGHT SPLIT FACE UNITS (6"(H)x16"(W)x12"(D)) WITH VERSA-LOK CONNECTORS. REFER TO VERSA-LOK RETAINING WALL SYSTEMS TYPICAL WALL DETAILS SHEETS FOR MODULAR UNIT DETAILS.
- REINFORCED SOIL BACKFILL SHALL MEET THE REQUIREMENTS OF THESE PLANS AND BE APPROVED BY THE GEOTECHNICAL ENGINEER. ON-SITE EXCAVATED SOILS MEETING THESE REQUIREMENTS CAN BE UTILIZED FOR REINFORCED FILL IF APPROVED BY THE GEOTECHNICAL ENGINEER.
- ALL MSE WALLS SHALL BE DESIGNED WITH THE FOLLOWING PARAMETERS:
REINFORCED FILL: $\phi=28^{\circ}$; $C = 0$ PSF; $\lambda = 120$ PCF
EMBANKMENT (RETAINED FILL): $\phi=28^{\circ}$; $C = 0$ PSF; $\lambda = 120$ PCF
FOUNDATION SOIL: $\phi=28^{\circ}$; $C = 0$ PSF; $\lambda = 120$ PCF
ALLOWABLE BEARING PRESSURE = 2000 PSF
- WALL DRAINAGE SHOULD BE PROVIDED PER THE DETAILS PROVIDED ON THE PLANS. THE WIDTH OF THE UNIT FILL SHOULD BE AT LEAST 12 INCHES. THE UNIT FILL SHOULD EXTEND TO ABOUT ONE FOOT BELOW THE FINISHED GRADES. COLLECTOR PERFORATED PIPES SHOULD BE DIRECTED THROUGH THE WALL FACE OR TO AN OUTLET AS SHOWN IN THE GRADING AND DRAINAGE PLANS.
- 100% GEOGRID COVERAGE IS REQUIRED FOR ALL MODULAR BLOCK FACED GEOGRID RETAINING WALLS.
- ENGINEER SHALL REVIEW SHOP DRAWINGS DETAILING THE MODULAR BLOCK RETAINING WALL DESIGN, INCLUDING, BUT NOT LIMITED TO GEOMETRY, STRAP LENGTHS, STRAP LOCATIONS, TOP OF WALL ELEVATIONS, AND BOTTOM OF WALL ELEVATIONS PRIOR TO ORDER MATERIAL AND THE START OF WALL INSTALLATION, WITH THE EXCEPTION OF RAILING. CONTRACTOR SHALL SUBMIT WORKING DRAWINGS AND DESIGN CALCULATIONS FOR RAILING TO THE ENGINEER FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO THE BEGINNING OF WALL CONSTRUCTION. ANCHORAGE CONNECTION PER MANUFACTURER'S SPECIFICATIONS.

CONSTRUCTION NOTES

- CONSTRUCT WALLS IN ACCORDANCE WITH THESE PLANS, THE VERSA-LOK CONSTRUCTION MANUAL, AND THE FHWA DESIGN AND CONSTRUCTION OF MECHANICALLY STABILIZED EARTH WALLS AND REINFORCED SLOPES (PUBLICATION NO. FHWA-NHI-10-024.

- REINFORCED SOIL BACKFILL SHALL BE COMPACTED TO A RELATIVE COMPACTION OF AT LEAST 95% PER ASTM D-1557 MAXIMUM DRY DENSITY.

TESTING AND OBSERVATION NOTES

- THE CONCRETE OF CONCRETE MASONRY MIX DESIGN AND STRENGTH EVALUATION FOR THE PRECAST UNITS SHALL BE IN COMPLIANCE WITH THE IBC, CHAPTER 19 AND 21. A LETTER OF CERTIFICATION SHALL BE PROVIDED WITH THE UNITS INDICATING THE MANUFACTURER'S NAME AND ADDRESS, NAME OF PRODUCT, AND UNIT TYPE. THE CERTIFICATION SHALL INCLUDE LABORATORY COMPRESSIVE STRENGTH AND ABSORPTION TEST RESULTS.
- LETTERS OF CERTIFICATION SHALL BE PROVIDED FOR VERSA-LOK RETAINING WALL SYSTEM CONNECTORS AND THE TENSAR GEOGRIDS INDICATING THE SUPPLIER'S NAME AND ADDRESS, NAME OF PRODUCT, AND PRODUCT DESIGNATION MEETING THE REQUIREMENTS OF THE PROJECT'S DESIGN. AS A MINIMUM, A LETTER OF CERTIFICATION FOR THE GEOGRIDS SHALL INCLUDE: ROLL NUMBERS AND IDENTIFICATION PROCEDURES, SAMPLING PROCEDURES, AND RESULTS OF QUALITY CONTROL TESTS, INCLUDING DESCRIPTION OF TEST METHODS USED FOR FLEXURAL RIGIDITY, TENSILE MODULUS, AND JUNCTION STRENGTH FOR EACH BATCH OF RESIN AND EACH SHIFT'S PRODUCTION USED.
- SPECIAL INSPECTIONS MUST BE PROVIDED IN CONFORMANCE WITH 2018 IBC SECTION 1704. THE INSPECTORS SHALL VERIFY THE FOLLOWING:
 - MODULAR CONCRETE UNIT DIMENSIONS AND PLACEMENT, INCLUDING ALIGNMENT AND INCLINATION.
 - VERSA-LOK UNIT IDENTIFICATION COMPLIANCE WITH ASTM C 1372, INCLUDING COMPRESSIVE STRENGTH AND WATER ABSORPTION.
 - FOUNDATION PREPARATION.
 - GEOGRID REINFORCEMENT TYPE (MANUFACTURER AND MODEL NUMBER) AND PLACEMENT.
 - BACKFILL PLACEMENT AND COMPACTION (2018 TABLE 1705.6).
 - DRAINAGE PROVISIONS.

MATERIALS NOTES

- DEFINITIONS:
 - CONCRETE UNITS - VERSA-LOK MODULAR CONCRETE FACING UNIT, MACHINE MADE FROM PORTLAND CEMENT, WATER, AND MINERAL AGGREGATES.
 - STRUCTURAL GEOGRID - A STRUCTURAL GEOGRID FORMED BY A REGULAR NETWORK OF INTEGRALLY CONNECTED TENSILE ELEMENTS WITH APERTURES OF SUFFICIENT SIZE TO ALLOW INTERLOCKING WITH SURROUND SOIL, ROCK, OR EARTH AND FUNCTION PRIMARILY AS REINFORCEMENT.
 - UNIT FILL - DRAINAGE AGGREGATE WHICH IS PLACED WITHIN AND IMMEDIATELY BEHIND THE MODULAR CONCRETE UNITS.
 - REINFORCED BACKFILL - COMPACTED SOIL WHICH IS WITHIN THE REINFORCED SOIL VOLUME AS SHOWN ON THE PLANS.
- VERSA-LOK UNITS:
 - VERSA-LOK UNITS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C 1372 AND HAVE A MINIMUM NET AVERAGE 28 DAYS COMPRESSIVE STRENGTH OF 3000 PSI. COMPRESSIVE STRENGTH TEST SPECIMENS SHALL CONFORM TO THE SAW-CUT COUPON PROVISIONS OF ASTM C 140.
 - VERSA-LOK UNITS SHALL BE LIGHT BROWN COLOR.

MATERIALS NOTES (CONT.)

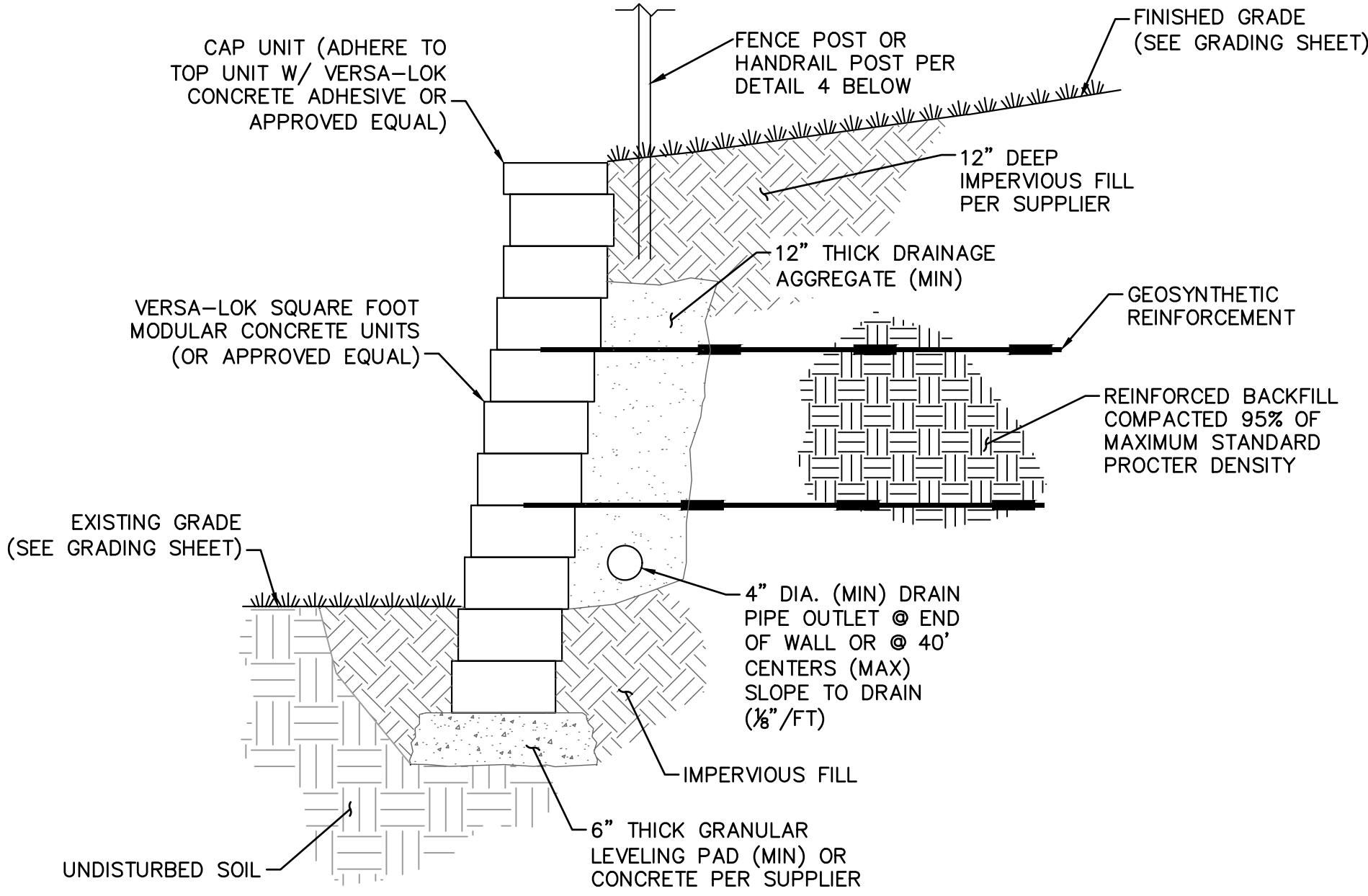
- CONNECTION PINS:
 - VERSA-LOK UNITS SHALL BE INTERLOCKED WITH VERSA-TUFF CONNECTION PINS. PINS SHALL CONSIST OF GLASS-REINFORCED NYLON MADE FOR THE EXPRESSED USE WITH THE VERSA-LOK UNITS SUPPLIED.
- GEOGRID
 - GEOSYNTHETIC REINFORCEMENT SHALL CONSIST OF HIGH-TENACITY PET GEOGRIDS, HDPE GEOGRIDS, OR GEOTEXTILES MANUFACTURED FOR SOIL REINFORCEMENT APPLICATIONS. THE TYPE, STRENGTH, AND PLACEMENT OF THE GEOSYNTHETIC REINFORCEMENT SHALL BE DETERMINED BY PROCEDURES OUTLINED IN THIS SPECIFICATION AND THE NCMA DESIGN MANUAL FOR SEGMENTAL RETAINING WALLS (3RD EDITION, 2009), AND MATERIALS SHALL BE SPECIFIED BY WALL DESIGN ENGINEER IN THEIR FINAL WALL PLANS AND SPECIFICATIONS. THE MANUFACTURERS/SUPPLIERS OF THE GEOSYNTHETIC REINFORCEMENT SHALL HAVE DEMONSTRATED CONSTRUCTION OF SIMILAR SIZE AND TYPES OF SEGMENTAL RETAINING WALLS ON PREVIOUS PROJECTS.
- LEVELING PAD
 - MATERIAL FOR LEVELING PAD SHALL CONSIST OF COMPACTED SAND, GRAVEL, OR COMBINATION THEREOF (USCS SOIL TYPES GP, GW, SP AND SW) AND SHALL BE A MINIMUM OF 6 INCHES IN DEPTH. LEAN CONCRETE WITH A STRENGTH OF 200-300 PSI AND 3 INCHES THICK MAXIMUM MAY ALSO BE USED AS A LEVELING PAD MATERIAL. THE LEVELING PAD SHOULD EXTEND Laterally AT LEAST A DISTANCE OF 6 INCHES FROM THE TOE AND HEEL OF THE LOWERMOST VERSA-LOK UNIT.
- DRAINAGE AGGREGATE
 - DRAINAGE AGGREGATE SHALL BE ANGULAR, CLEAN STONE OR GRANULAR FILL MEETING THE FOLLOWING GRADATION AS DETERMINED IN ACCORDANCE WITH ASTM D 422:

	SIEVE SIZE	PERCENT PASSING
	1"	100
	3/4"	75-100
NO. 4	0-60	
NO. 40	0-50	
NO. 200	0-5	

- DRAINAGE PIPE
 - THE DRAINAGE COLLECTION PIPE SHALL BE A PERFORATED OR SLOTTED PVC, OR CORRUGATED HDPE PIPE. THE DRAINAGE PIPE MAY BE WRAPPED WITH A GEOTEXTILE TO FUNCTION AS A FILTER.
 - DRAINAGE PIPE SHALL BE MANUFACTURED IN ACCORDANCE WITH ASTM F 405 OR ASTM F 758.
- REINFORCED BACKFILL SOIL
 - THE REINFORCED SOIL MATERIAL SHALL BE FREE OF DEBRIS. UNLESS OTHERWISE NOTED ON THE FINAL, P.E.-SEALED, RETAINING WALL PLANS PREPARED BY THE WALL DESIGN ENGINEER, THE REINFORCED MATERIAL SHALL CONSIST OF THE INORGANIC USCS SOIL TYPES GP, GW, SW, SP AND SM, MEETING THE FOLLOWING GRADATION, AS DETERMINED IN ACCORDANCE WITH ASTM D 422:

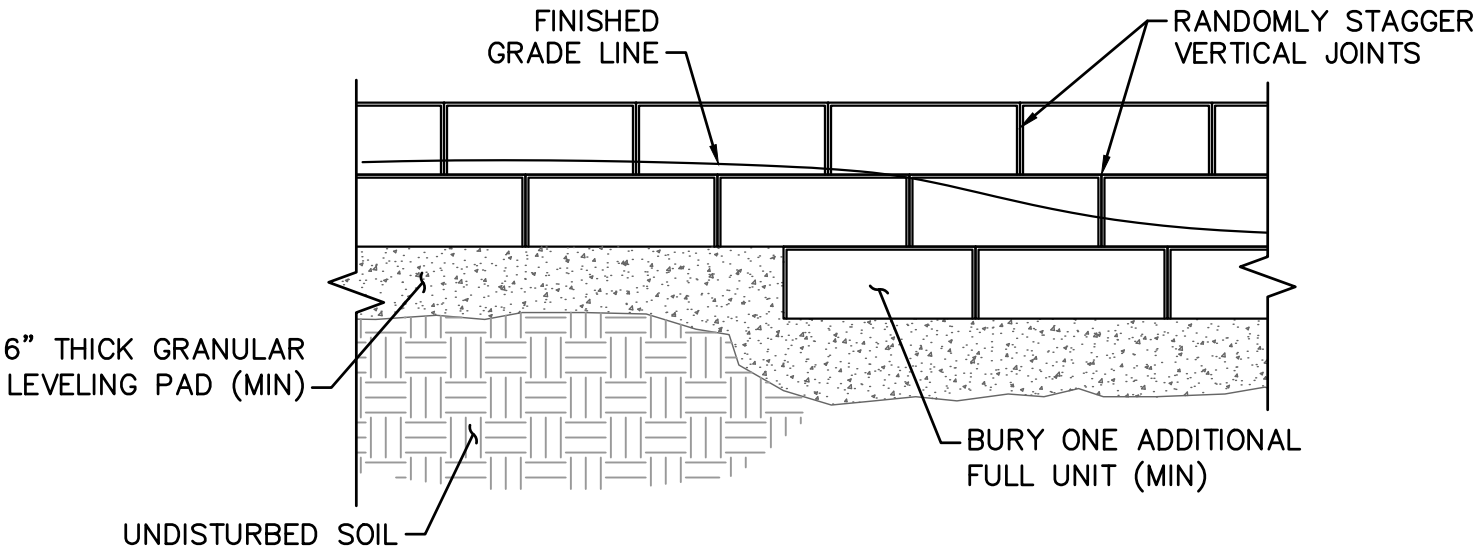
	SIEVE SIZE	PERCENT PASSING
	1"	100
NO. 4	20-100	
NO. 40	0-60	
NO. 200	0-35	

- THE MAXIMUM PARTICLE SIZE OF POORLY-GRADED GRAVELS (GP) (NO FINES) SHOULD NOT EXCEED 3/4 INCH UNLESS EXPRESSLY APPROVED BY THE WALL DESIGN ENGINEER AND THE LONG-TERM DESIGN STRENGTH (LTDS) OF THE GEOSYNTHETIC IS REDUCED TO ACCOUNT FOR ADDITIONAL INSTALLATION DAMAGE FROM PARTICLES LARGER THAN THIS MAXIMUM.
- THE PLASTICITY OF THE FINE FRACTION SHALL BE LESS THAN 20.
- THE PH OF THE BACKFILL MATERIAL SHALL BE BETWEEN 3 AND 9 WHEN TESTED IN ACCORDANCE WITH ASTM G 51.

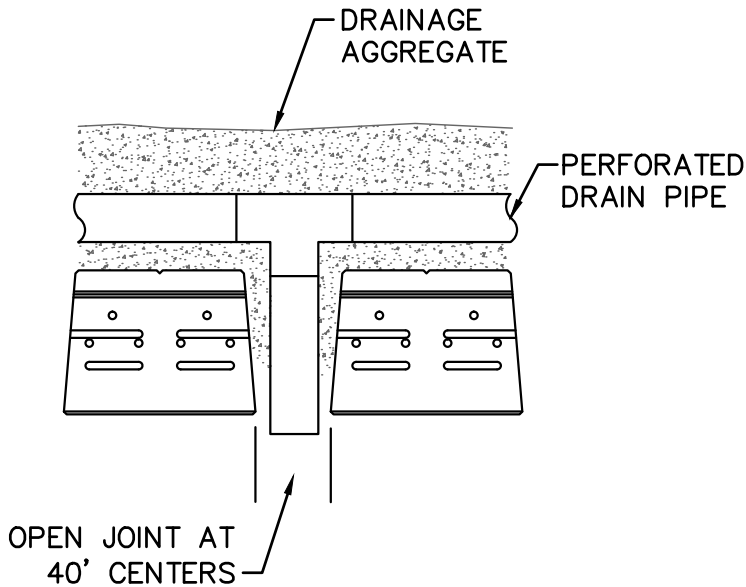


1 MSE WALL TYPICAL SECTION
SCALE: N.T.S.

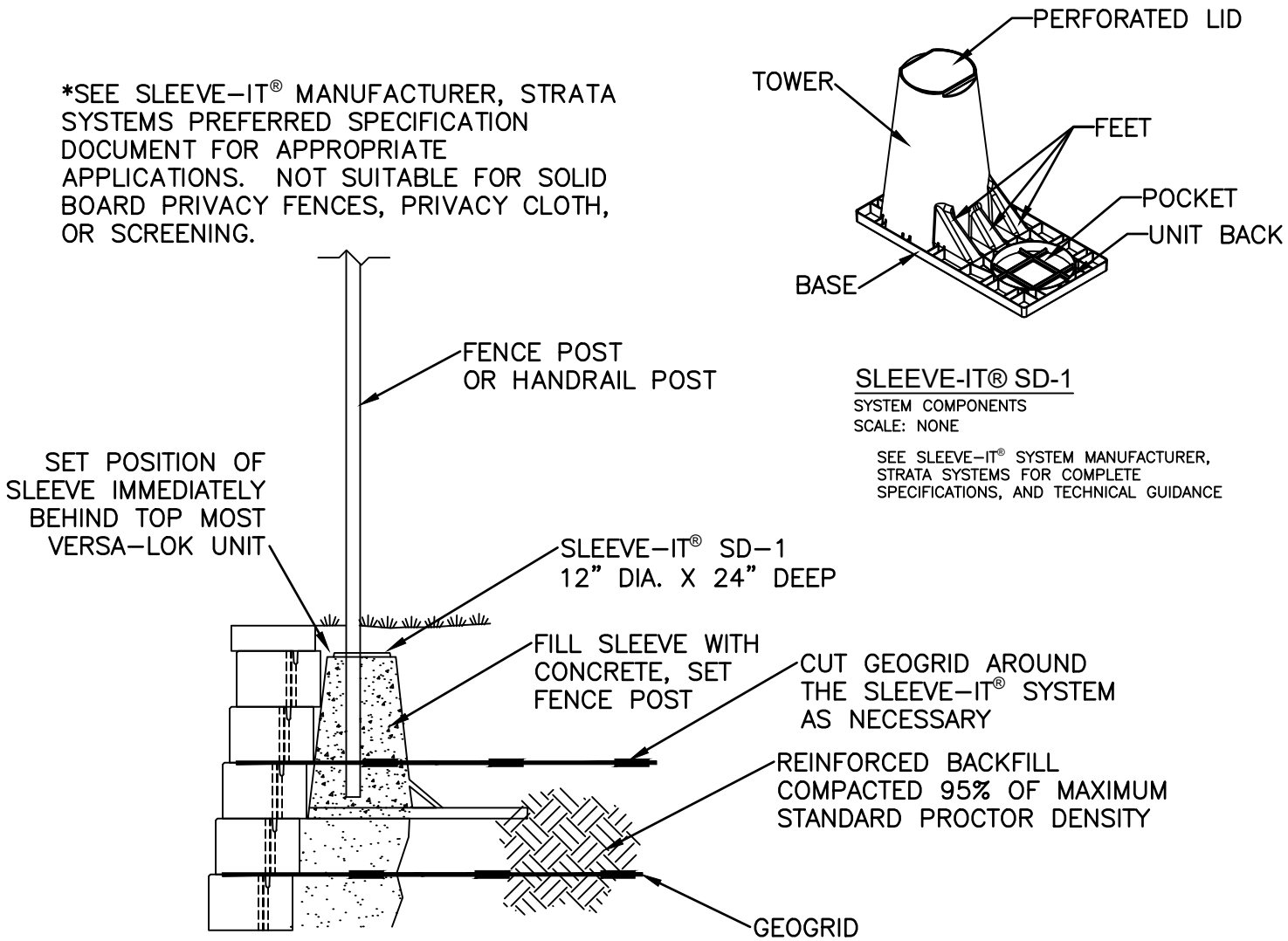
- NOTE:
- LIMIT CHANGES IN BASE ELEVATION TO 6" PER STEP TO AVOID DIFFERENTIAL SETTLEMENT
 - STEP AS NEEDED TO MINIMIZE BURIED UNITS AND MAINTAIN MINIMUM REQUIRED EMBEDMENT



2 LEVELING PAD STEP DETAIL
SCALE: N.T.S.



3 DRAIN DETAIL
SCALE: N.T.S.

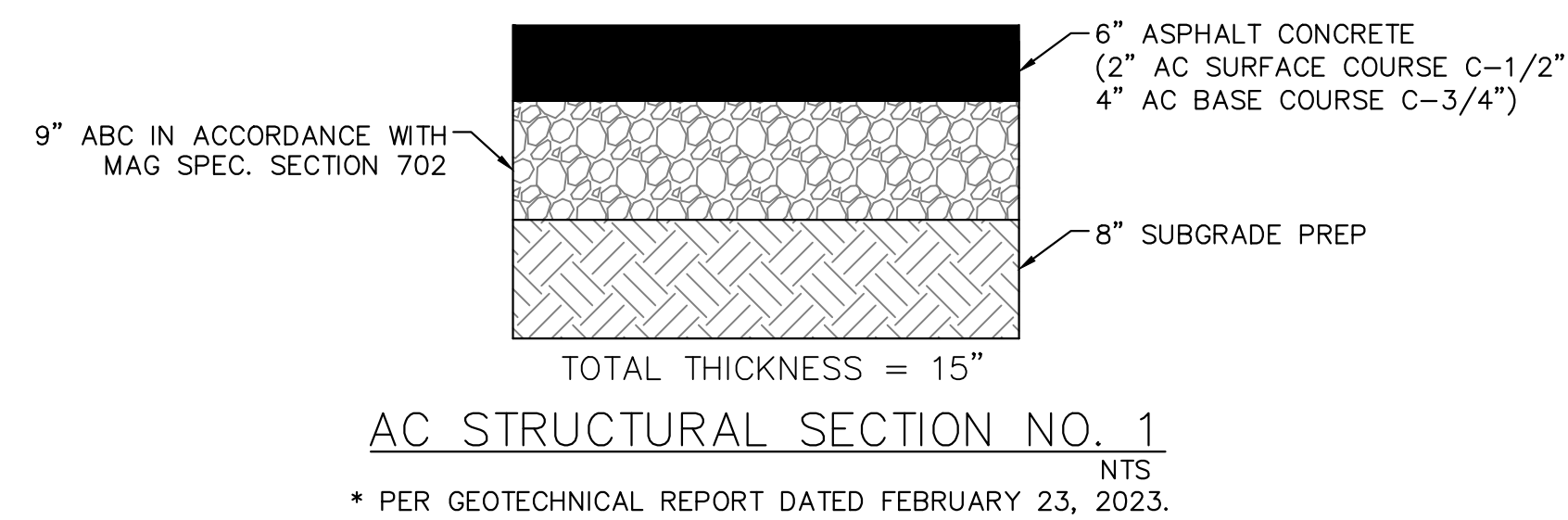
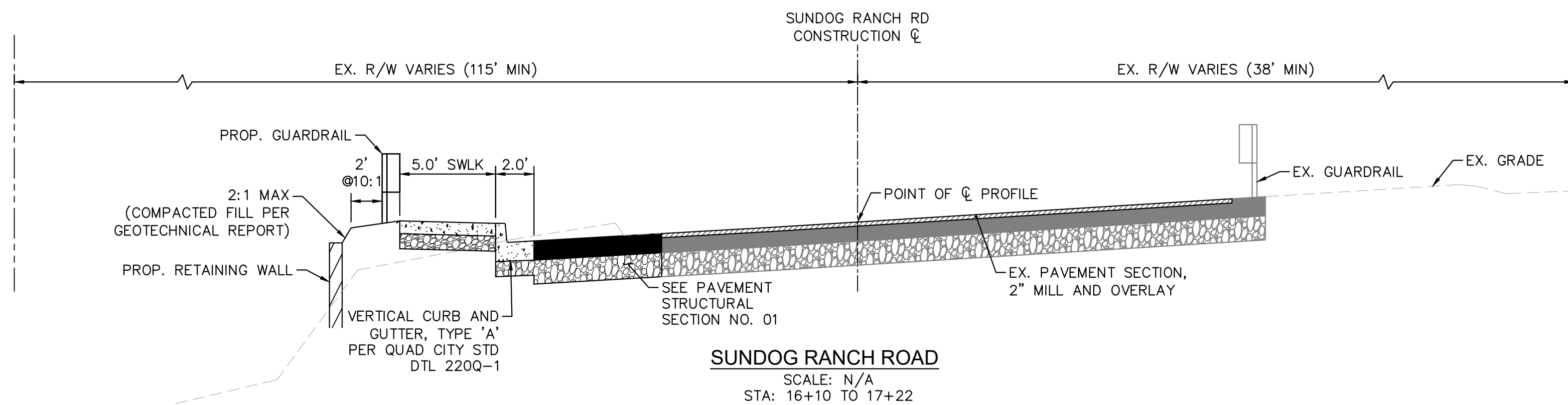
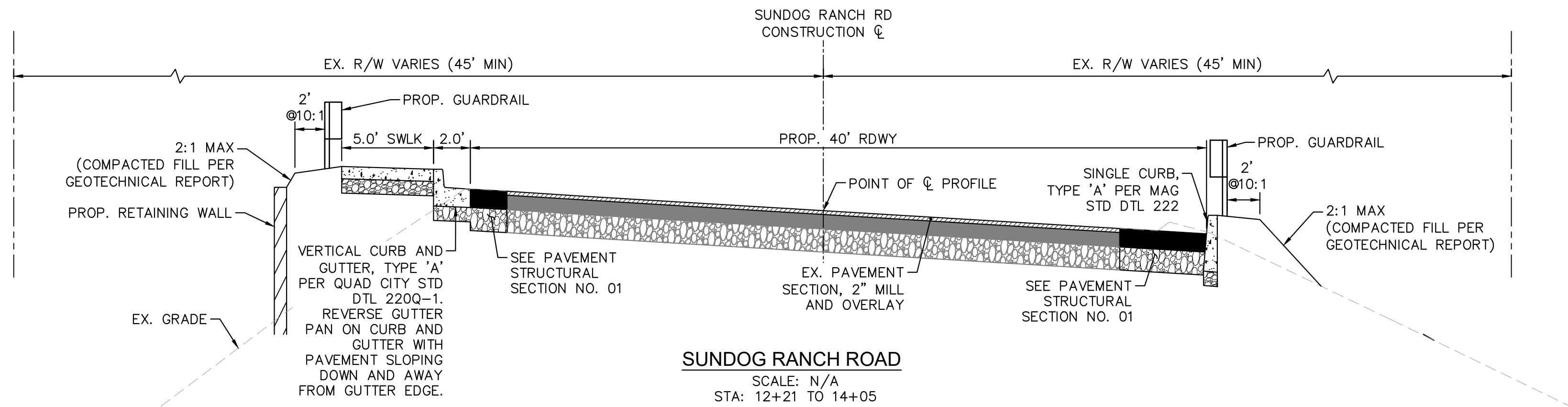
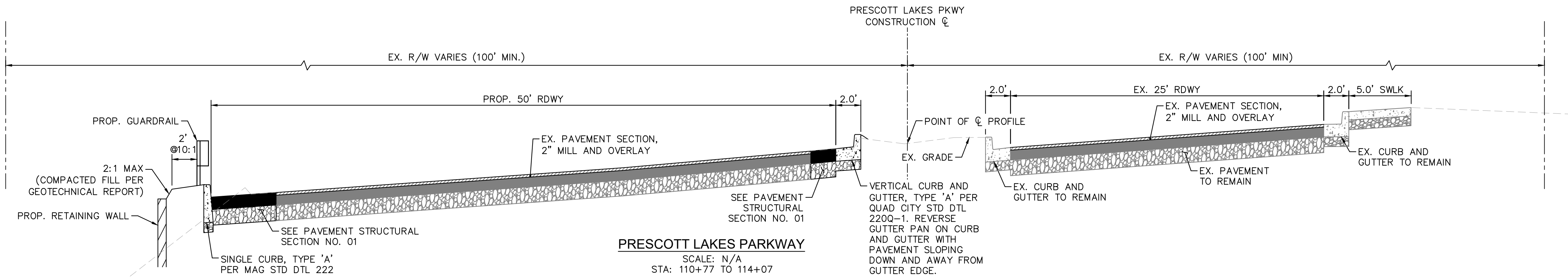
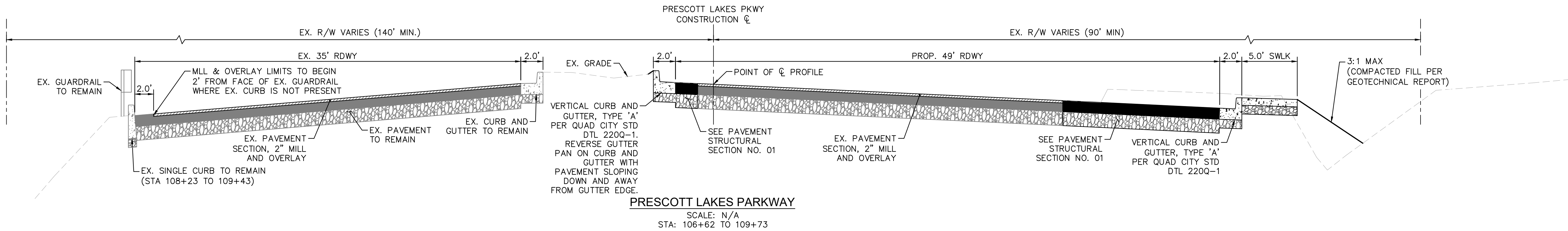


4 FENCE POST DETAIL
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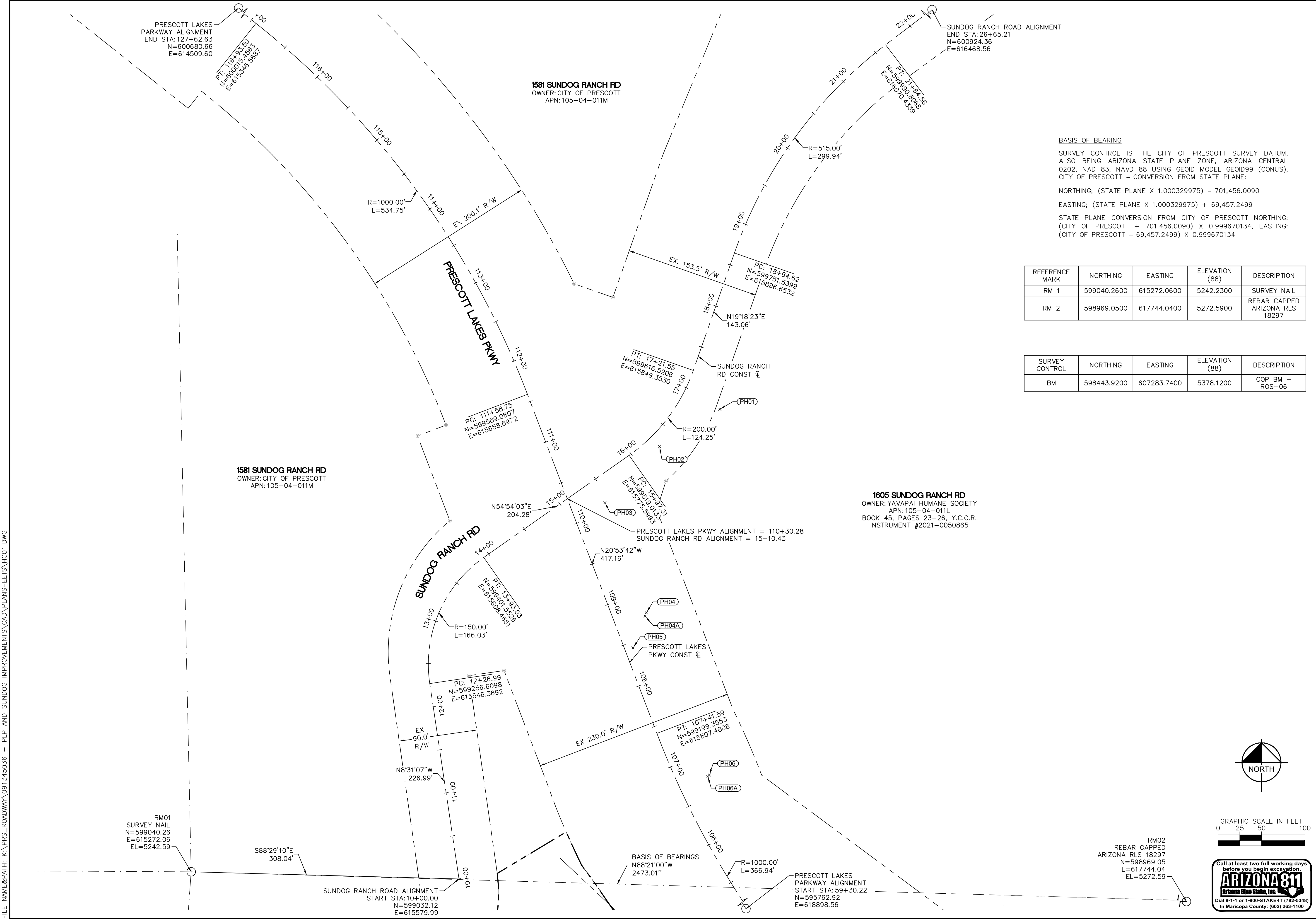


DWG. NO. RT01		DATE 07/12/2023		SHEET NO. 05 OF 23	
CITY OF PRESCOTT PUBLIC WORKS PRESCOTT LAKES PARKWAY AND SUNDG RANCH ROAD INTERSECTION IMPROVEMENTS RETAINING WALL DETAIL					
CITY OF PRESCOTT Everybody's Hometown		FOR: COP	CHECKED BY: ACB	PREPARED BY: JTH	
Kimley»Horn © 2023 KIMLEY-HORN & ASSOCIATES, INC. 101 W. GOODWIN ST., SUITE 303 PHOENIX, ARIZONA 85004 PHONE: 602-944-9633 WWW.KIMLEY-HORN.COM					
				APPRV DATE CITY	
				REVISIONS	
NO.	BY	DATE	ENGINEER		

FILE NAME&PATH: K:\PRS_ROADWAY\091345036 - PLP AND SUNDG IMPROVEMENTS\CAD PLANSHEETS\CS01.DWG

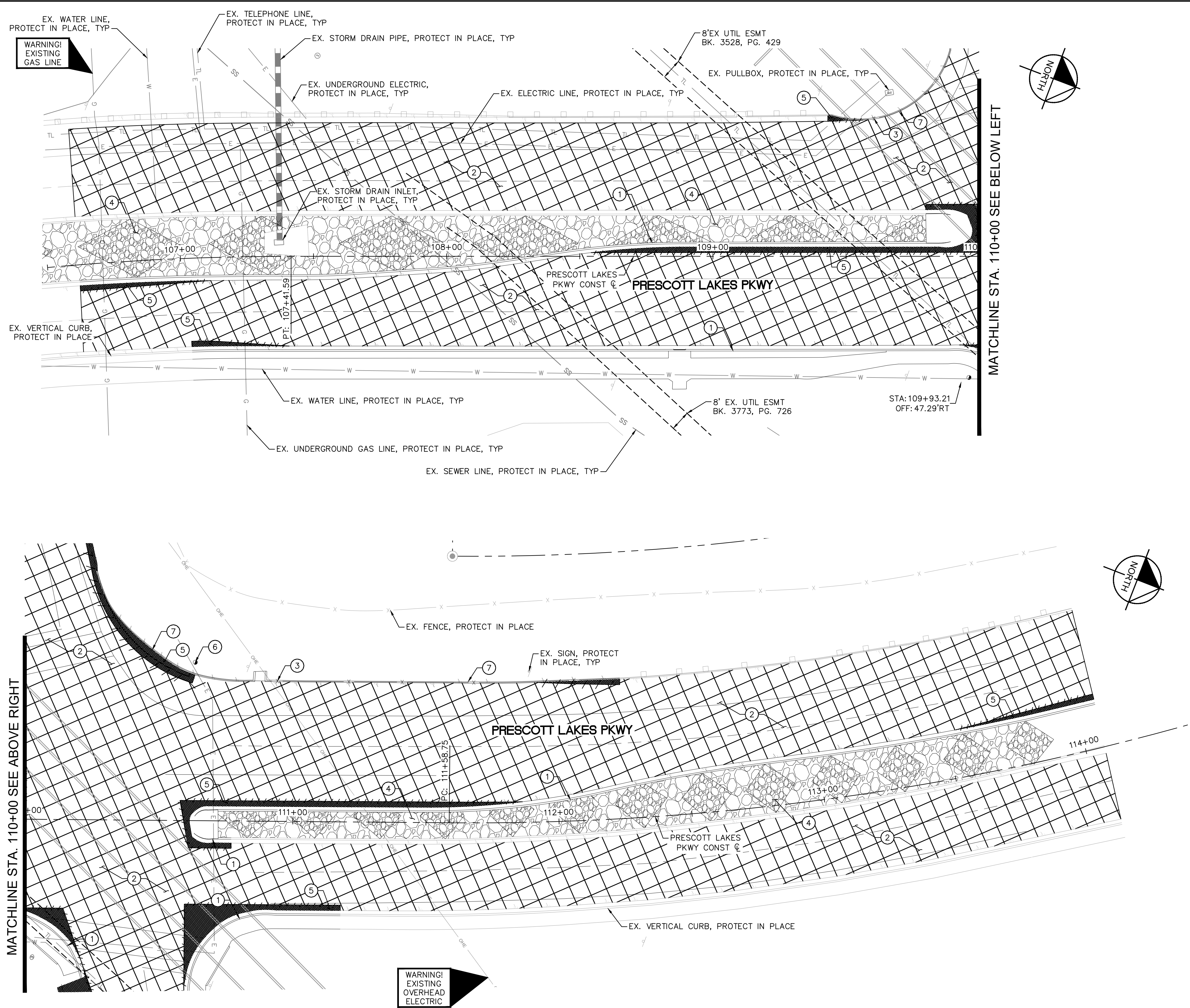


DWG. NO. TSO1		CITY OF PRESCOTT PUBLIC WORKS		PRESCOTT LAKES PARKWAY AND SUNDG RANCH ROAD INTERSECTION IMPROVEMENTS	
DATE 07/12/2023		SHEET NO. 06		OF 23	
TYPICAL SECTIONS		CITY OF PRESCOTT		EVERYBODY'S HOMETOWN	
PREPARED BY JTH		CHECKED BY ACB		FOR: COP	
APPROVED BY		DATE		CITY	
REVISIONS		DATE		CITY	
BY		DATE		CITY	
ENGINEER		DATE		CITY	
CIP # 2208-007		REVIEW:		CIP # 2208-007	



SURVEY CONTROL	NORTHING	EASTING	ELEVATION (88)	DESCRIPTION
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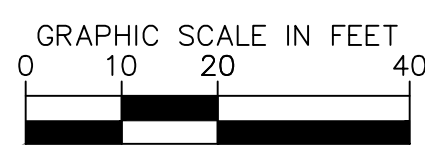
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DEMOLITION NOTES	
NO	DESCRIPTION
①	REMOVE AND DISPOSE EXISTING CURB AND GUTTER
②	REMOVE BY MILLING EXISTING ASPHALT 2" DEEP.
③	REMOVE EXISTING GUARDRAIL, SALVAGE EXISTING GUARDRAIL, POSTS, AND ASSOCIATED HARDWARE AND DELIVER TO TRANSFER STATION
④	REMOVE AND REPLACE DISTURBED RIPRAP IN KIND
⑤	REMOVE AND DISPOSE EXISTING ASPHALT PAVEMENT
⑥	REMOVE AND SALVAGE EXISTING STREET LIGHT
⑦	REMOVE AND DISPOSE EXISTING SINGLE CURB

GENERAL NOTES	
1. CONTRACTOR TO MILL EXISTING PAVEMENT WHEN PROJECT IS READY FOR FINAL PAVING.	

SHEET NOTES	
1. STATION AND OFFSET BASED ON PRESCOTT LAKES PARKWAY CONSTRUCTION C.	
2. REFER TO SHEETS 08-09 FOR DEMOLITION PLAN SHEETS.	
3. REFER TO SHEETS 11-14 FOR ROADWAY PLAN AND PROFILE SHEETS.	
4. REFER TO SHEET 15 FOR SIGNAGE AND MARKING PLAN SHEET.	
5. REFER TO SHEET 16 FOR TRAFFIC SIGNAL PLAN SHEET.	
6. REFER TO SHEET 10 FOR LEFT TURN LANE STAKING PLAN SHEET.	
7. CONTRACTOR TO LOCATE EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.	



CITY OF PRESCOTT
EVERYBODY'S HOMETOWN

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PREPARED BY: JTH
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REVISIONS

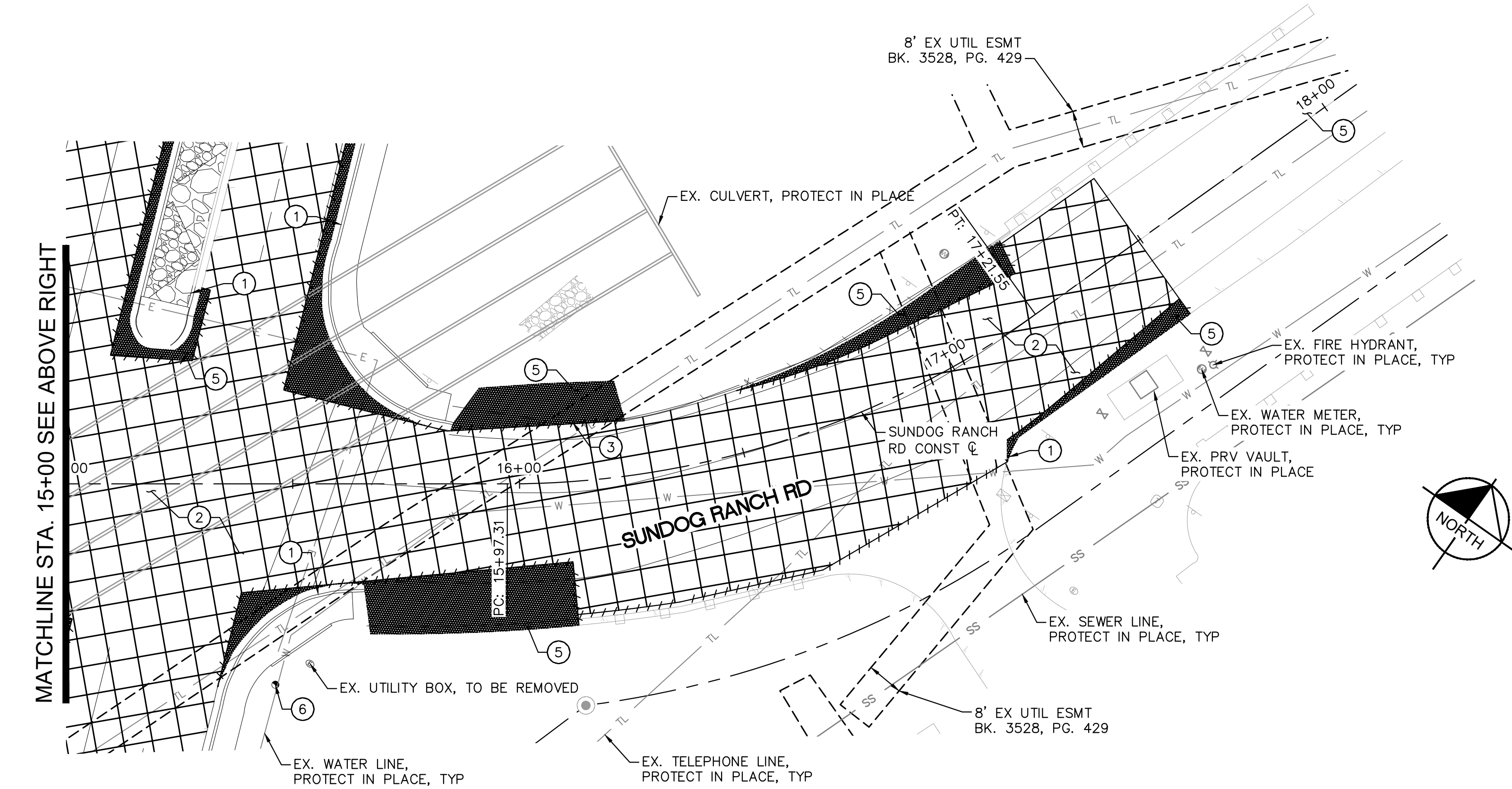
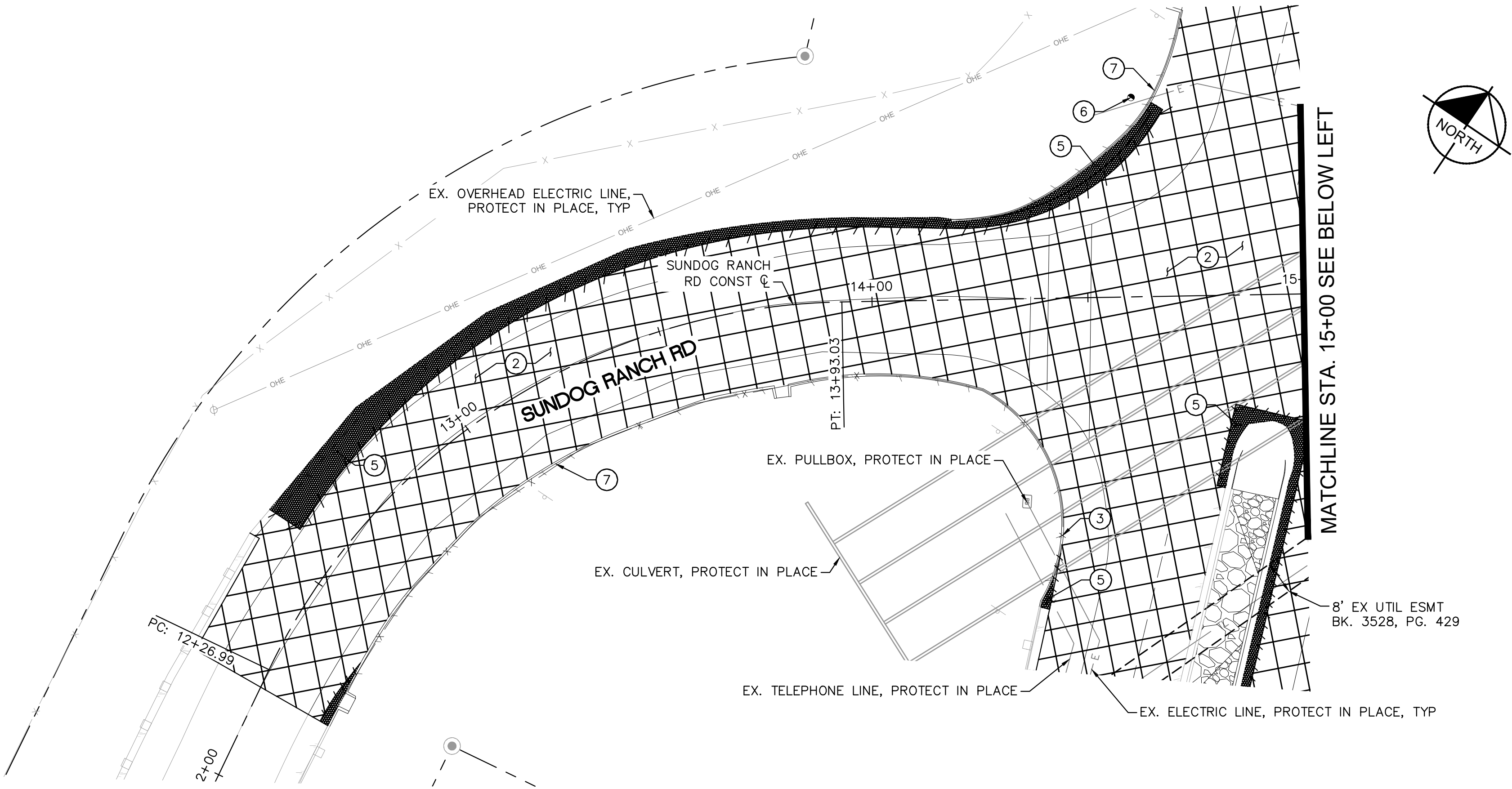
NO.	BY	DATE	CITY

CITY OF PRESCOTT PUBLIC WORKS
PRESCOTT LAKES PARKWAY AND SUNDG RANCH ROAD
INTERSECTION IMPROVEMENTS

DEMOLITION PLAN

DWG. NO. DM01
DATE 07/12/2023
SHEET NO. 08 OF 23

CIP #: 2208-007 REVIEW: PRESCOTT LAKES PARKWAY AND SUNDG RANCH ROAD INTERSECTION IMPROVEMENTS



DEMOLITION NOTES

NO	DESCRIPTION
①	REMOVE AND DISPOSE EXISTING CURB AND GUTTER
②	REMOVE BY MILLING EXISTING ASPHALT 2" DEEP.
③	REMOVE EXISTING GUARDRAIL, SALVAGE EXISTING GUARDRAIL, POSTS, AND ASSOCIATED HARDWARE AND DELIVER TO TRANSFER STATION
⑤	REMOVE AND DISPOSE EXISTING ASPHALT PAVEMENT
⑥	REMOVE AND SALVAGE EXISTING STREET LIGHT
⑦	REMOVE AND DISPOSE EXISTING SINGLE CURB

GENERAL NOTES

1. CONTRACTOR TO MILL EXISTING PAVEMENT WHEN PROJECT IS READY FOR FINAL PAVING.

SHEET NOTES

1. STATION AND OFFSET BASED ON PRESCOTT LAKES PARKWAY CONSTRUCTION C.
2. REFER TO SHEETS 08-09 FOR DEMOLITION PLAN SHEETS.
3. REFER TO SHEETS 11-14 FOR ROADWAY PLAN AND PROFILE SHEETS.
4. REFER TO SHEET 15 FOR SIGNAGE AND MARKING PLAN SHEET.
5. REFER TO SHEET 16 FOR TRAFFIC SIGNAL PLAN SHEET.
6. REFER TO SHEET 10 FOR LEFT TURN LANE STAKING PLAN SHEET.
7. CONTRACTOR TO LOCATE EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

CITY OF PRESCOTT PUBLIC WORKS

PRESCOTT LAKES PARKWAY AND SUND OG RANCH ROAD INTERSECTION IMPROVEMENTS

DEMOLITION PLAN

NO.

BY

DATE

ENGINEER

APPRV.

DATE

CITY

REVISIONS

NO.	BY	DATE	ENGINEER

PREPARED BY: JTH

CHECKED BY: ACB

FOR: COP

CITY OF PRESCOTT

Everybody's Hometown

18841

ANDREW C. BAIRD

07/12/23

ARIZONA U.S.A.

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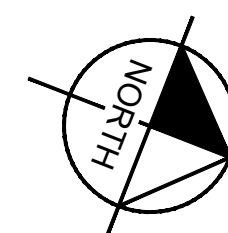
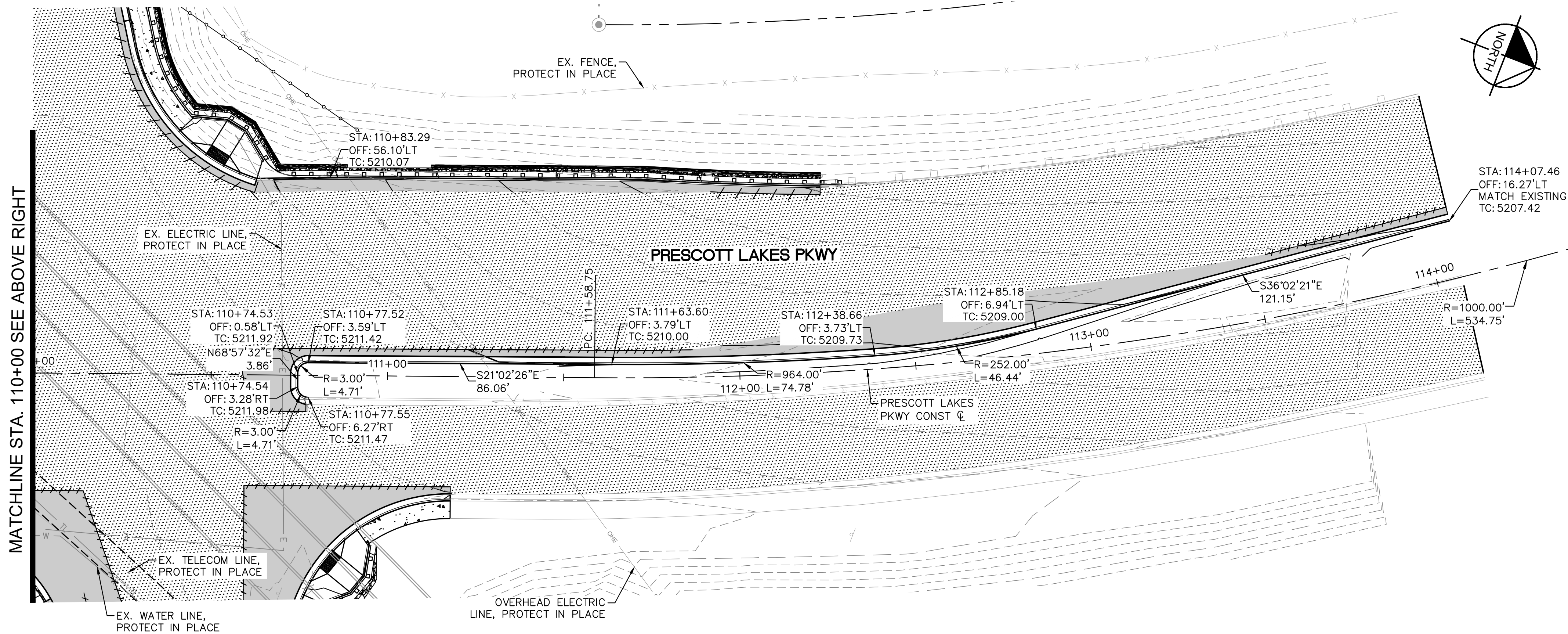
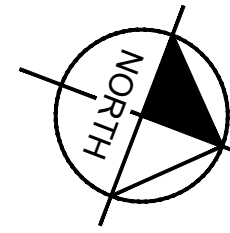
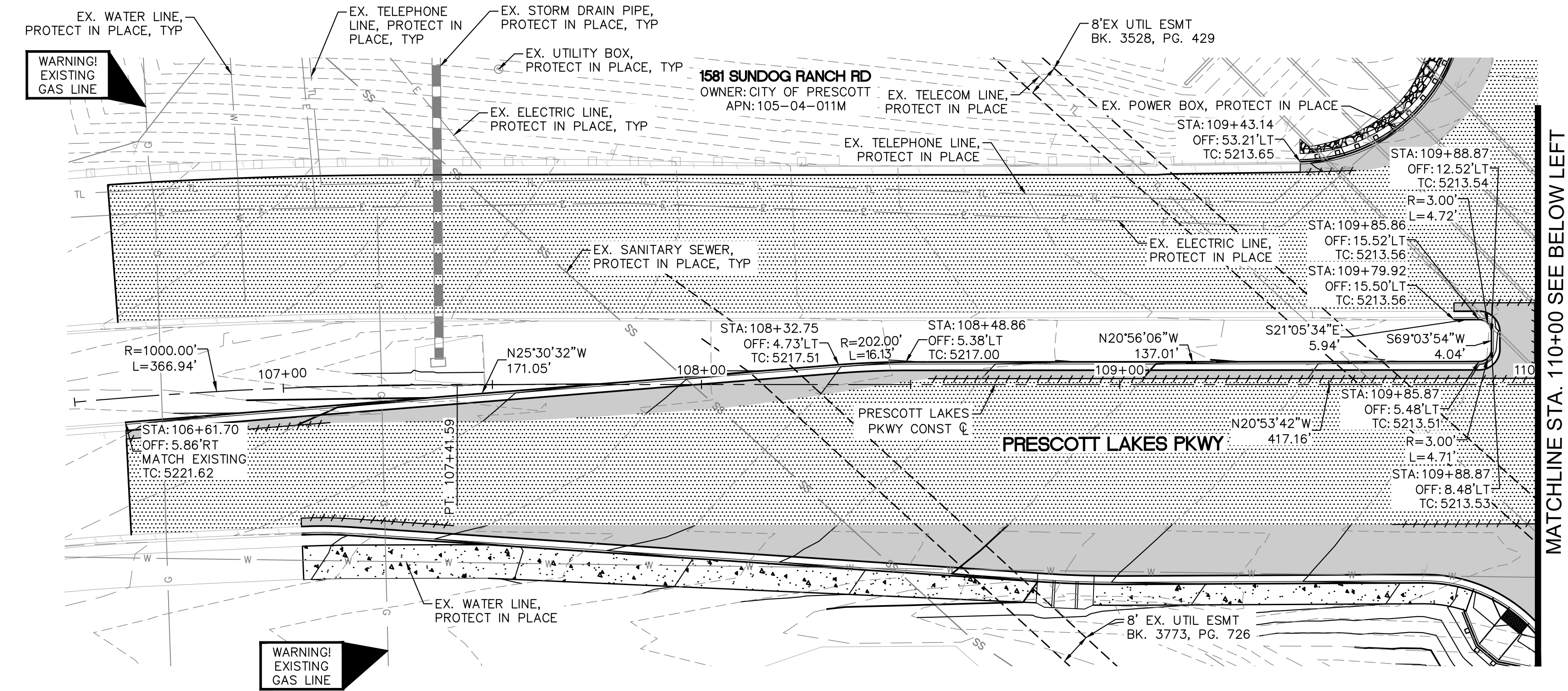
PRESCOTT LAKES PARKWAY AND SUND OG RANCH ROAD INTERSECTION IMPROVEMENTS

CIP #: 2208-007

REVIEW:

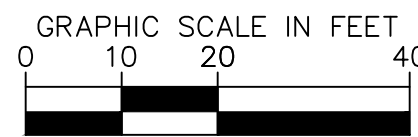
OF 23

FILE NAME&PATH: K:\PRS_ROADWAY\091345036 - PLP AND SUNDG IMPROVEMENTS\CAD PLANSHEETS\RD01.DWG



SHEET NOTES

1. STATION AND OFFSET BASED ON PRESCOTT LAKES PARKWAY CONSTRUCTION C.
2. REFER TO SHEETS 08-09 FOR DEMOLITION PLAN SHEETS.
3. REFER TO SHEETS 11-14 FOR ROADWAY PLAN AND PROFILE SHEETS.
4. REFER TO SHEET 15 FOR SIGNAGE AND MARKING PLAN SHEET.
5. REFER TO SHEET 16 FOR TRAFFIC SIGNAL PLAN SHEET.
6. REFER TO SHEET 10 FOR LEFT TURN LANE STAKING PLAN SHEET.
7. CONTRACTOR TO LOCATE EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
8. STATION AND OFFSET LABELS REFER TO BACK OF CURB UNLESS OTHERWISE NOTED.



DWG. NO. RD01		CITY OF PRESCOTT PUBLIC WORKS	
DATE 07/12/2023		PRESCOTT LAKES PARKWAY AND SUNDG RANCH ROAD INTERSECTION IMPROVEMENTS	
SHEET NO. 10		PRESCOTT LAKES PKWY LEFT TURN LANE STAKING PLAN	
OF 23		CITY OF PRESCOTT	
EVERYBODY'S HOMETOWN		FOR: COP	
PREPARED BY JTH		CHECKED BY ACB	
APPROVED BY		DATE	
REVISIONS		CITY	
NO.		BY DATE	
ENGINEER		REVIEW:	
CIP #: 2208-007		PRESCOTT LAKES PARKWAY AND SUNDG RANCH ROAD INTERSECTION IMPROVEMENTS	



CITY OF PRESCOTT PUBLIC WORKS	DWG. NO. RD02
PRESCOTT LAKES PARKWAY AND SUND OG RANCH ROAD INTERSECTION IMPROVEMENTS PRESCOTT LAKES PKWY ROADWAY PLAN AND PROFILE	DATE 07/12/2023 SHEET NO. 11 OF 23



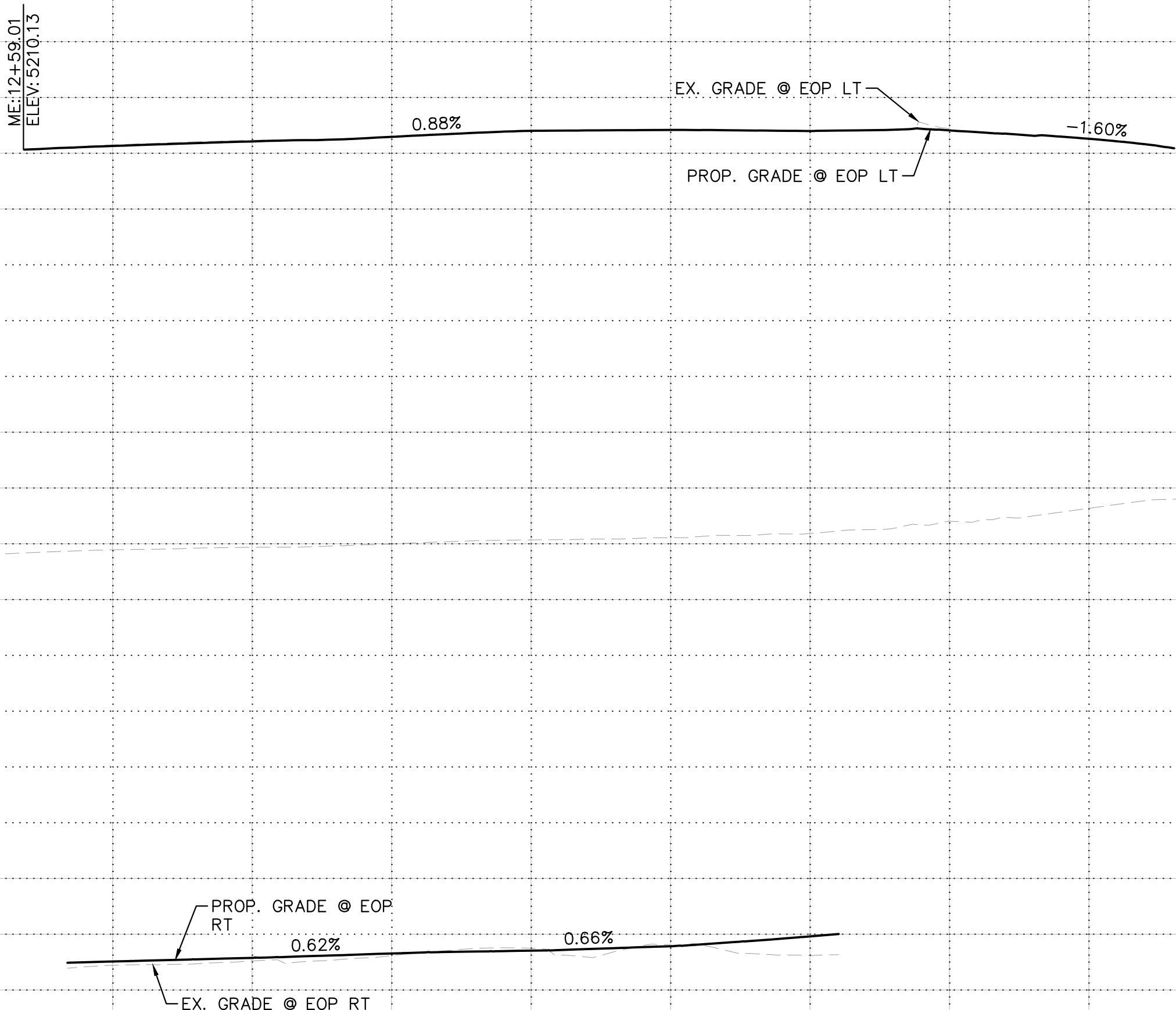
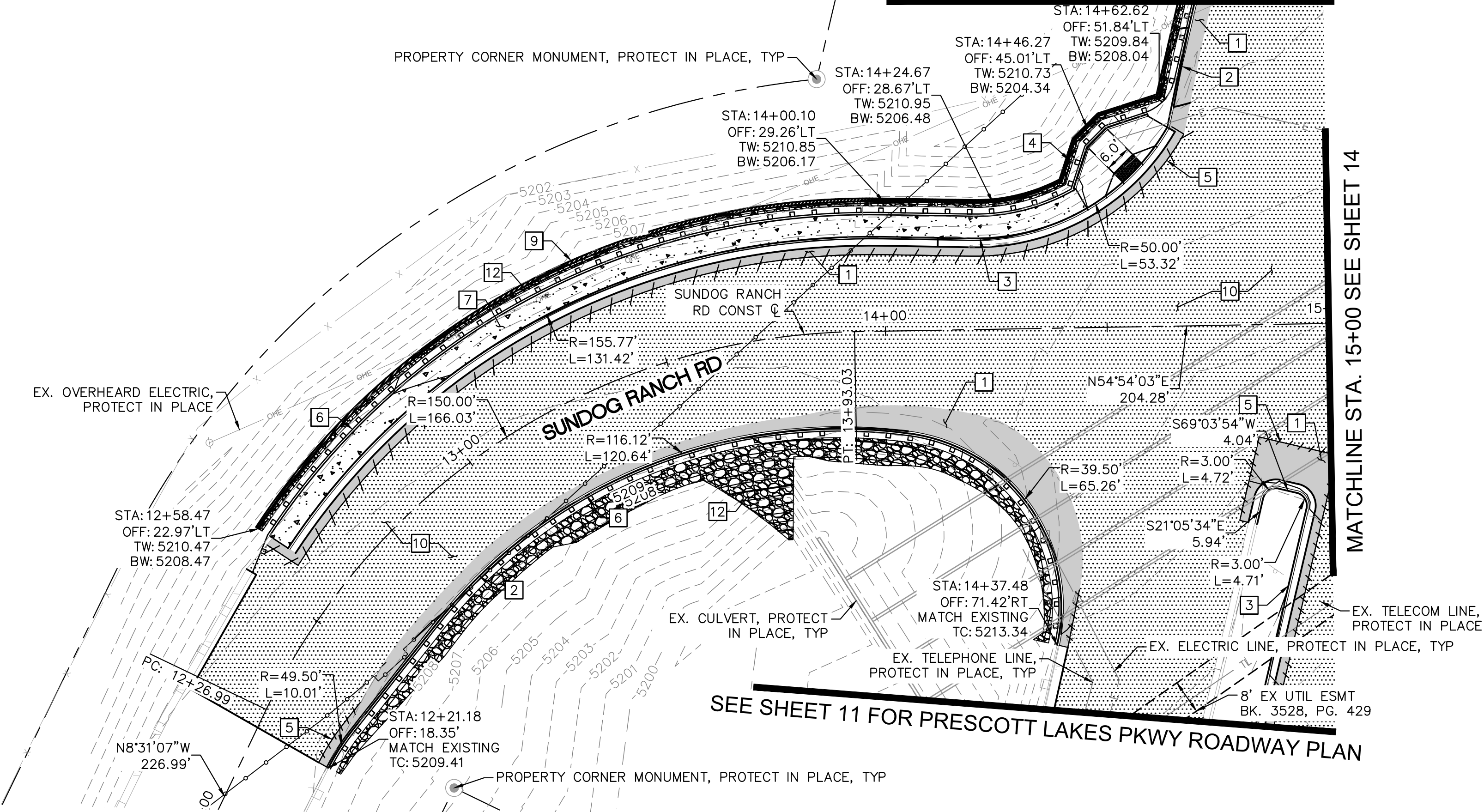
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PRESCOTT LAKES PARKWAY AND SUND OG RANCH ROAD INTERSECTION IMPROVEMENTS

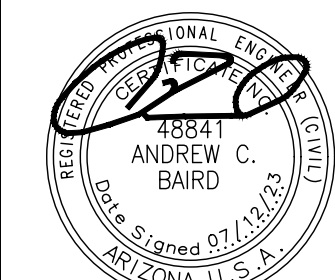
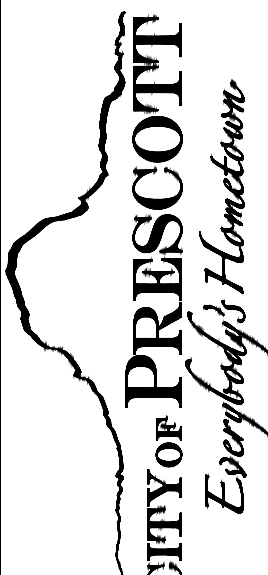
CIP #: 2208-007

SEE SHEET 12 FOR PRESCOTT LAKES PKWY ROADWAY PLAN



CONSTRUCTION NOTES	
NO	DESCRIPTION
[1]	ASPHALT CONCRETE PAVEMENT ON AGGREGATE BASE COURSE PER STRUCTURAL SECTION ON SHEET 06. FINAL LIFT TO BE MONOLITHIC AND CONCURRENT WITH 2" OVERLAY.
[2]	CONSTRUCT 6" SINGLE CURB TYPE 'A' PER MODIFIED MAG STD. DTL. 222
[3]	CONSTRUCT 6" VERTICAL CURB AND GUTTER PER QUAD CITY STD. DTL. 220Q-1
[4]	CONSTRUCT CONCRETE CURB RAMP PER QUAD CITY STD. DTL. 231Q
[5]	SAWCUT EXISTING PAVEMENT
[6]	INSTALL GUARDRAIL PER ADOT STD. DTL. C-10.01
[7]	CONSTRUCT 4" THICK CONCRETE SIDEWALK PER QUAD CITY STD. DTL. 230Q
[9]	CONSTRUCT MSE RETAINING WALL AND RAILING PER DETAIL ON SHEET 05 AND WALL PLAN ON SHEETS 18-20
[10]	2" THICK 1/2" MIX ASPHALT PAVEMENT OVERLAY
[12]	RIPRAP, D/50=6", DEPTH=12"

CITY OF PRESCOTT PUBLIC WORKS		DWG. NO.	RD04
PRESCOTT LAKES PARKWAY AND SUNDG RANCH ROAD INTERSECTION IMPROVEMENTS		DATE	07/12/2023
SUNDG RANCH RD ROADWAY PLAN AND PROFILE		SHEET NO.	13



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PRESCOTT LAKES PARKWAY AND SUNDG RANCH ROAD INTERSECTION IMPROVEMENTS

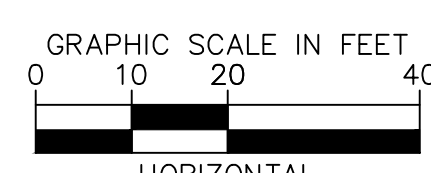
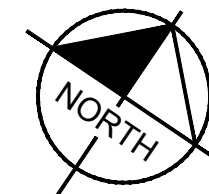
CIP #: 2208-007

CONSTRUCTION NOTES

NO	DESCRIPTION
[1]	ASPHALT CONCRETE PAVEMENT ON AGGREGATE BASE COURSE PER STRUCTURAL SECTION ON SHEET 06. FINAL LIFT TO BE MONOLITHIC AND CONCURRENT WITH 2" OVERLAY.
[2]	CONSTRUCT 6" SINGLE CURB TYPE 'A' PER MODIFIED MAG STD. DTL. 222
[3]	CONSTRUCT 6" VERTICAL CURB AND GUTTER PER QUAD CITY STD. DTL. 220Q-1
[4]	CONSTRUCT CONCRETE CURB RAMP PER QUAD CITY STD. DTL. 231Q
[5]	SAWCUT EXISTING PAVEMENT
[6]	INSTALL GUARDRAIL PER ADOT STD. DTL. C-10.01
[7]	CONSTRUCT 4" THICK CONCRETE SIDEWALK PER QUAD CITY STD. DTL. 230Q
[9]	CONSTRUCT MSE RETAINING WALL AND RAILING PER DETAIL ON SHEET 05 AND WALL PLAN ON SHEETS 18-20
[10]	2" THICK 1/2" MIX ASPHALT PAVEMENT OVERLAY
[12]	RIPRAP, D/50=6", DEPTH=12"

SHEET NOTES

1. STATION AND OFFSET BASED ON SUNDG RANCH ROAD CONSTRUCTION C.
2. REFER TO SHEETS 08-09 FOR DEMOLITION PLAN SHEETS.
3. REFER TO SHEETS 11-14 FOR ROADWAY PLAN AND PROFILE SHEETS.
4. REFER TO SHEET 15 FOR SIGNAGE AND MARKING PLAN SHEET.
5. REFER TO SHEET 16 FOR TRAFFIC SIGNAL PLAN SHEET.
6. REFER TO SHEET 10 FOR LEFT TURN LANE STAKING PLAN SHEET.
7. CONTRACTOR TO LOCATE EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
8. STATION AND OFFSET LABELS REFER TO BACK OF CURB UNLESS OTHERWISE NOTED

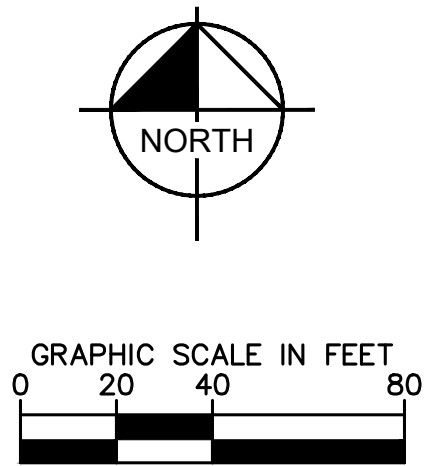





SEE SHEET 11 FOR PRESCOTT LAKES PKWY ROADWAY PLAN

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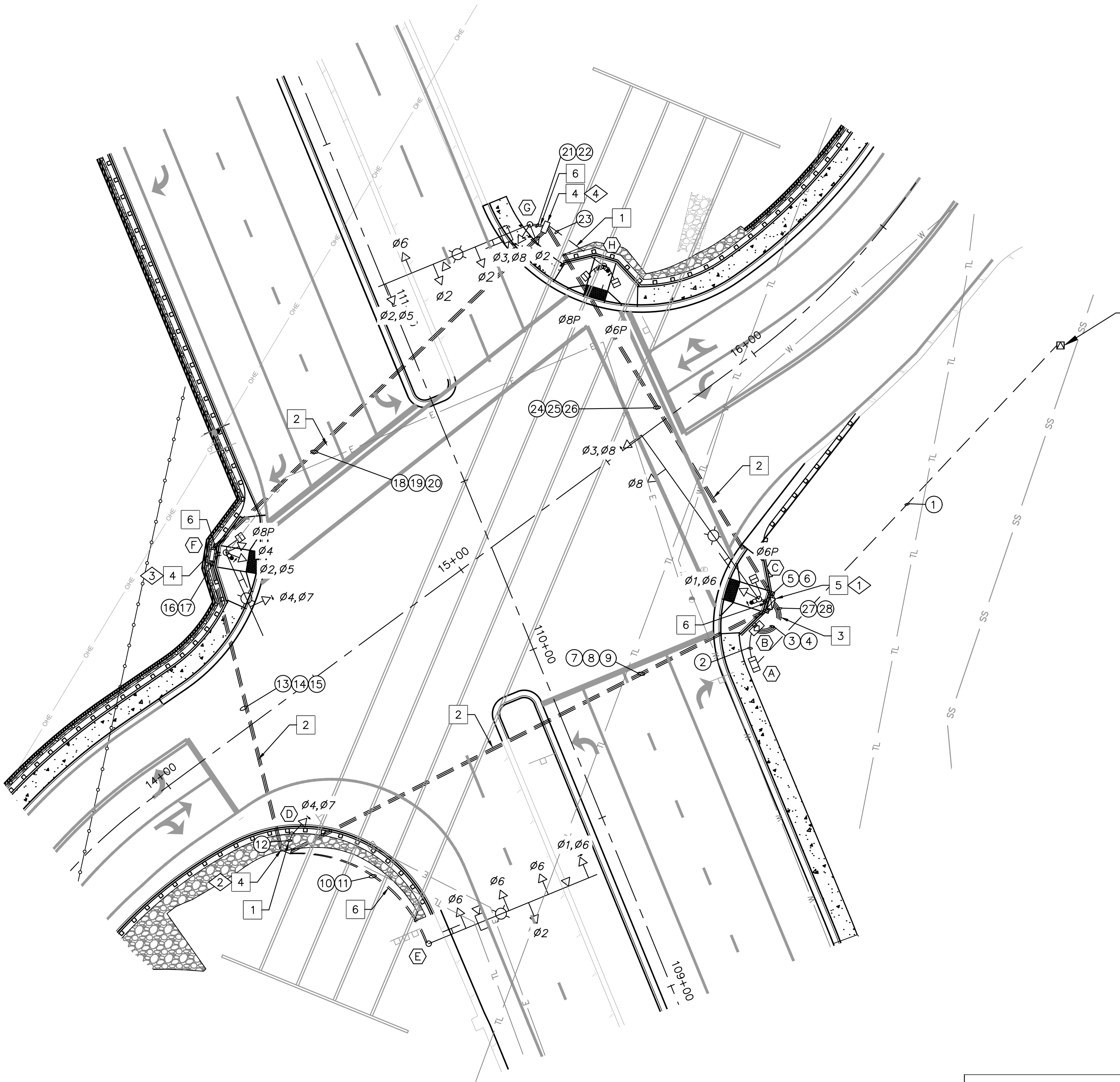
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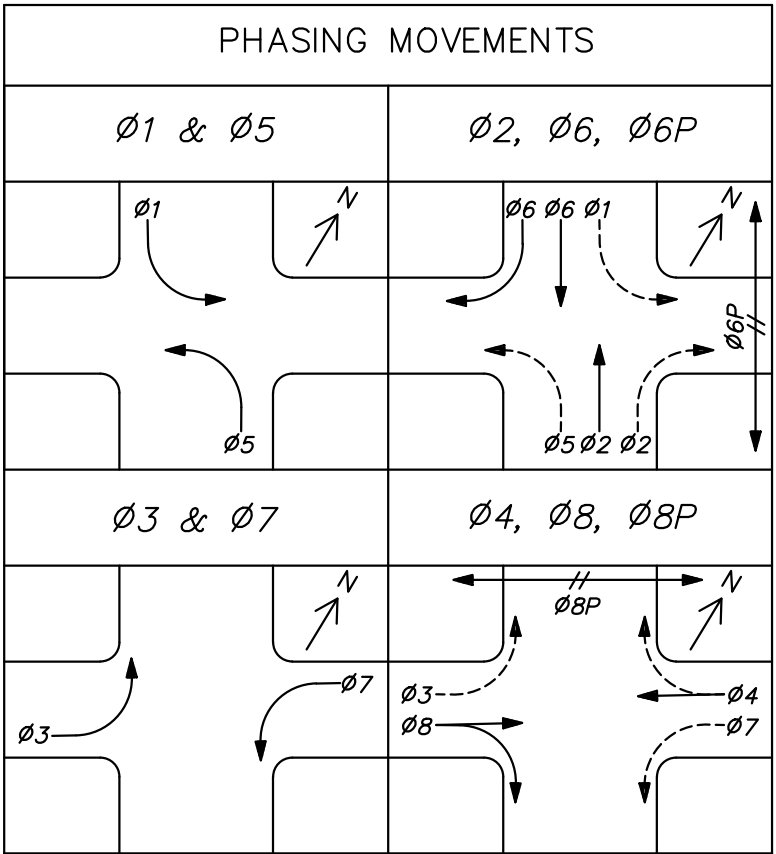
	CITY OF PRESCOTT PUBLIC WORKS		DWG. NO. SM01
	PRESCOTT LAKES PARKWAY AND SUNDOG RANCH ROAD INTERSECTION IMPROVEMENTS		DATE 07/12/2023
	SIGNING AND MARKING PLAN		SHEET NO. 15
			OF 23

Registered Professional Engineer (Civ/Inf)
 CERTIFICATE NO.
 50066
 THOMAS
 MICHAEL
 McCULLOUGH
 Date Signed 07/12/13
 ARIZONA
 State of Arizona

[illegible]



APS POINT OF SERVICE
TX209244
CONTRACTOR SHALL WORK WITH APS INSPECTOR TO
PLUMB IN ONE NEW 3" CONDUIT SWEEP INTO EXISTING
TRANSFORMER



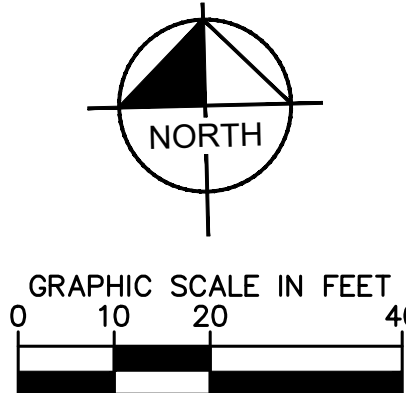
PULL BOX SCHEDULE			
NO.	TYPE	LOCATION	REMARKS
1	NO. 7E	STA 109+87 65' RT	PER ADOT STD. DWG. T.S. 1-1. THE LID SHALL BE PERMANENTLY MARKED WITH "TRAFFIC SIGNAL".
2	NO. 7	STA 109+76 82' LT	PER ADOT STD. DWG. T.S. 1-1. THE LID SHALL BE PERMANENTLY MARKED WITH "TRAFFIC SIGNAL".
3	NO. 7	STA 110+54=7 72' LT	PER ADOT STD. DWG. T.S. 1-1. THE LID SHALL BE PERMANENTLY MARKED WITH "TRAFFIC SIGNAL".
4	NO. 7	STA 111+06 47' RT	PER ADOT STD. DWG. T.S. 1-1. THE LID SHALL BE PERMANENTLY MARKED WITH "TRAFFIC SIGNAL".

LEGEND

- Ø POLE ID, SEE SHEET 17 FOR DETAILS
CONDUIT RUN NUMBER, SEE SHEET 17 FOR DETAILS

NOTES:

1. ALL CROSS-STREET CONDUIT INSTALLATION SHALL BE DONE BY DIRECTIONAL BORING.



CONSTRUCTION NOTES	
NO	DESCRIPTION
1	INSTALL SINGLE 3" SCH. 40 CONDUIT.
2	INSTALL 3 NEW 3" SCH. 40 CONDUIT.
3	INSTALL 4 NEW 4" SCH. 40 CONDUIT.
4	INSTALL NEW NO. 7 PULL BOX.
5	INSTALL NEW NO. 7E PULL BOX.
6	INSTALL 2 NEW 3" SCH. 40 CONDUIT.

CITY OF PRESCOTT
Everybody's Hometown

PREPARED BY
NMP/CAT

CHECKED BY
TMM

FOR:
COP

Registered Professional Engineer
CERTIFICATE NO. 50066
THOMAS MICHAEL McCULLOUGH
Exp. 07/19/24

Kimley-Horn
© 2023 KIMLEY-HORN & ASSOCIATES, INC.
101 W. GOODWIN ST., SUITE 303
PRESCOTT, ARIZONA 86303
PHONE: 929-204-9633
WWW.KIMLEY-HORN.COM

DWG. NO. TS01

DATE 07/12/2023

SHEET NO. 16 OF 23

CITY OF PRESCOTT PUBLIC WORKS

PRESCOTT LAKES PARKWAY AND SUNDOG RANCH ROAD INTERSECTION IMPROVEMENTS

TRAFFIC SIGNAL PLAN

PRESCOTT LAKES PARKWAY AND SUNDOG RANCH ROAD INTERSECTION IMPROVEMENTS

REVIEW: CIP #: 2208-007

FILE NAME&PATH: K:\PRS_ROADWAY\091345036 - PLP AND SUND OG IMPROVEMENTS\CAD PLANSHEETS\TS02.DWG

CABINET AND POLE SCHEDULE									
TRAFFIC SIGNAL CONTROLLER							REMARKS		LOCATION
CABINET		TYPE		EQUIPMENT					
<div>A</div> <div></div>					MP-2000 MYERS PBM 2000				STA. 109+73 55' RT
<div>B</div> <div></div>	TS2, TYPE 1 WITH ELEVATOR BASE				ECONOLITE COBALT CONTROLLER				STA. 109+82 59' RT
POLES		TYPE	MAST ARM		SIGNALS		P.B. SIGN	REMARKS	LOCATION
NO.	LAYOUT		SIG.	LUM.	MTG.	FACE			
<div>C</div> <div></div>		R	55'	10'	2-II 2-V	1-G, 1-F 1-M/H, 1-G	1-ADA PPB (NEW) R10-3eRAZ (NEW)	1. INSTALL PEDESTRIAN PUSHBUTTON ASSEMBLY. SEE ADOT STANDARD DETAIL TS 11-1. 2. INSTALL OVERSIZED STREET NAME SIGN SIMILAR TO CITY OF PRESCOTT STANDARD DETAIL 132P. 3. INSTALL 150W LED COBRA HEAD LUMINAIRE - LED.	STA. 109+89 62' RT
<div>D</div> <div></div>		A (12')	-	-	1-V	1-G	-		STA. 109+78 81' LT
<div>E</div> <div></div>		R	50'	10'	5-II	1-G, 4-F	-	1. INSTALL OVERSIZED STREET NAME SIGN SIMILAR TO CITY OF PRESCOTT STANDARD DETAIL 132P. 2. INSTALL 150W LED COBRA HEAD LUMINAIRE - LED. 3. INSTALL EMERGENCY VEHICLE PREEMPTION ON MAST ARM 4. INSTALL VIDEO DETECTION. SEE EQUIPMENT NOTE 9.	STA. 109+36 57' LT
<div>F</div> <div></div>		Q	25'	10'	1-II 1-V 1-VII	1-G 1-M/H 1-G, 1-F	1-ADA PPB (NEW) R10-3eRAZ (NEW)	1. INSTALL PEDESTRIAN PUSHBUTTON ASSEMBLY. SEE ADOT STANDARD DETAIL TS 11-1. 2. INSTALL EMERGENCY VEHICLE PREEMPTION ON MAST ARM 3. INSTALL OVERSIZED STREET NAME SIGN SIMILAR TO CITY OF PRESCOTT STANDARD DETAIL 132P. 4. INSTALL 150W LED COBRA HEAD LUMINAIRE - LED.	STA. 110+57 68' LT
<div>G</div> <div></div>		R	45'	10'	4-II 2-V	1-G, 3-F 1-G, 1-F	-	1. INSTALL EMERGENCY VEHICLE PREEMPTION ON MAST ARM 2. INSTALL OVERSIZED STREET NAME SIGN SIMILAR TO CITY OF PRESCOTT STANDARD DETAIL 132P. 3. INSTALL 150W LED COBRA HEAD LUMINAIRE - LED. 4. INSTALL VIDEO DETECTION. SEE EQUIPMENT NOTE 9.	STA. 111+09 43' RT
<div>H</div> <div></div>		A (12')	-	-	2-V	2-M/H	2-ADA PPB (NEW) R10-3eRAZ (NEW)	1. INSTALL PEDESTRIAN PUSHBUTTON ASSEMBLY (X2). SEE ADOT STANDARD DETAIL TS 11-1. 2. INSTALL TYPE A POLE SPREAD FOUNDATION	STA. 110+90 58' RT

EVPE - EMERGENCY VEHICLE PRE EMPTION
PPB - PEDESTRIAN PUSH BUTTON
SNS - STREET NAME SIGN
VD - VIDEO DETECTION
M/H - MAN/HAND SIGNAL

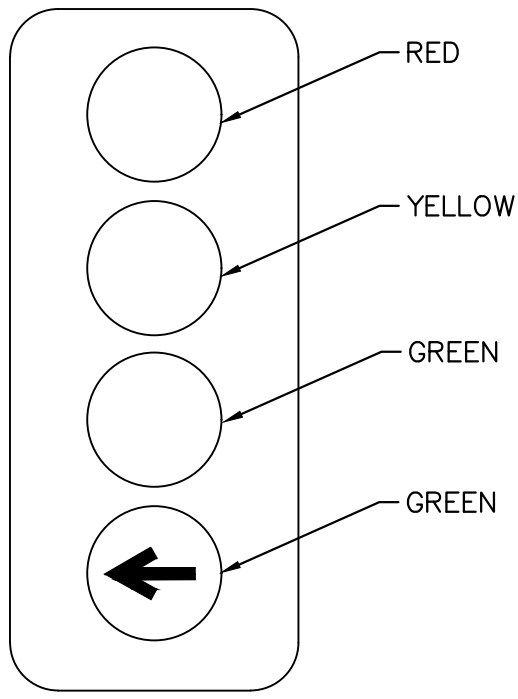
CONDUCTOR SCHEDULE																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
	CONDUIT RUN NUMBER	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4		
	CONDUIT SIZE IN INCHES	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4		
	CIRCUIT PHASE																													
#16 IMSA 19-1 *	20 CONDUCTOR CABLE	POWER CONDUCTORS BY APS		4				2						2					2							2				
	7 CONDUCTOR CABLE						2					5		1				1				4			4					
	4 CONDUCTOR CABLE																		1											
#8	SIGNAL COMMON				1		1		1		1		1	1				1		1		1			1	1				
#8	INSULATED BOND (GREEN)			1	1	1	1		1	1		1		1	1	1		1		1	1	1		1	1	1				
#14 DET. LOOP	PHASE 1						o1				o1																	o1		
	PHASE 2						o1				o1																			
	PHASE 3						o1														o1							o1		
	PHASE 4						o1				o1						o1				o1									
	PHASE 5						o1										o1													
	PHASE 6						o1				o1										o1							o1		
	PHASE 7						o1				o1										o1							o1		
	PHASE 8						o1				o1										o1							o1		
IMSA #14 4CON	ROADWAY LIGHTING 240V RED/BLACK					2				1					1					1						1				
P	EMERGENCY PRE-EMPTION CABLE																													
#8	SERVICE 120/240V BLACK			2																						1				

o = NUMBER OF 2 CONDUCTOR SHIELDED COMMUNICATION CABLES, IMSA 50-2

NOTE: EXISTING CONDUCTORS NOT SHOWN FOR CLARITY. PROTECT IN PLACE.

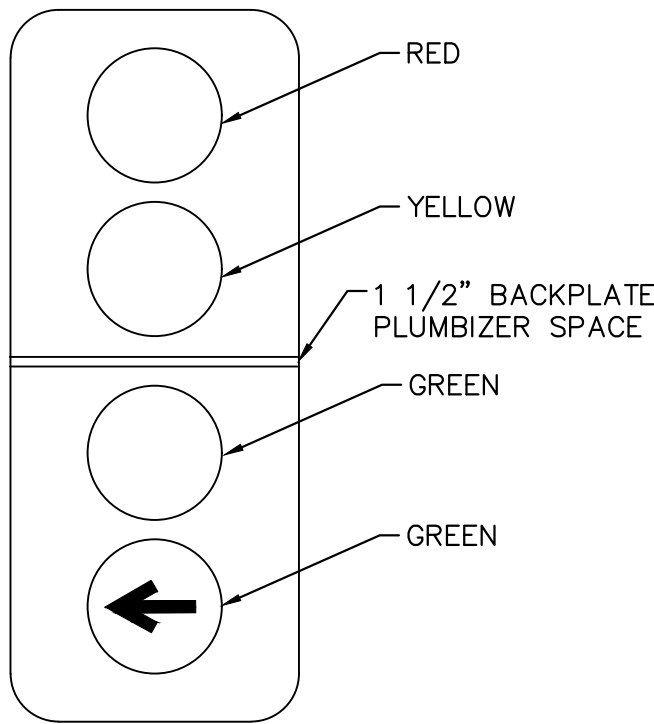
EQUIPMENT NOTES:

- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL FOUNDATION AND POLE LOCATIONS. CONTRACTOR SHALL POT HOLE AND PERFORM SITE VISIT TO DETERMINE ANY POTENTIAL OVERHEAD OR UNDERGROUND CONFLICTS AND COORDINATE WITH THE CITY OF PRESCOTT AND THE DESIGN CONSULTANT PRIOR TO ORDERING EQUIPMENT.
- ALL TRAFFIC SIGNAL EQUIPMENT WILL BE NEW WITH FULL WARRANTY. USED OR REFURBISHED EQUIPMENT WILL NOT BE PERMITTED.
- ALL NEW 12-INCH SIGNAL HEADS SHALL HAVE FIVE-INCH METAL LOUVERED BACK PLATES.
- THE PEDESTRIAN PUSH BUTTONS SHALL CONFORM TO ADOT STANDARD DRAWINGS TS 11-1. THE HOUSING SHALL BE ADA CAMPBELL 4-EVR WITH DIRECTIONAL ARROW MOUNTED ON MCCAIN HOUSING. PUSH BUTTONS MUST MEET ADA REQUIREMENTS AND BE MOUNTED AT THE ADA REQUIRED HEIGHT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE PEDESTRIAN PUSH BUTTON SIGNS.
- THE CONTRACTORS SHALL PROVIDE A SIX-FOOT COILED CONTROL CORD IN THE POLICE PANEL OF THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL SINGLE CHANNEL 721 OPTICAL DETECTORS (OPTICOM) WITH ALL APPROPRIATE MOUNTING HARDWARE, INTERFACE CABLES, OPTICAL CABLES, AND ANY OTHER EQUIPMENT REQUIRED FOR A FULLY FUNCTIONING PRE-EMPTION SYSTEM. CONTRACTOR SHALL PROVIDE AND INSTALL A 764 CARD (OPTICOM) IN CABINET.
- LUMINAIRES SHALL BE GE LED EVOLD COBRA HEAD, 120-277V, ASYMMETRIC (MEDIUM) 400K LED COLOR TEMPERATURE GE ERS2/0/16/E1/40/A/GRAY/LR.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF PRESCOTT WASTEWATER OPERATIONS DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF DRILLING ACTIVITIES.
- FURNISH AND INSTALL 2-CAMERA GRIDSMART DETECTION SYSTEM, CABLING AND MOUNTING EQUIPMENT PER MANUFACTURER'S REQUIREMENTS.
- TYPE "Q" TRAFFIC SIGNAL POLE AND FOUNDATION PER ADOT STD. DTL. T.S. 4-10 (MARCH 2013).
- TYPE "A" TRAFFIC SIGNAL POLE AND FOUNDATION PER ADOT STD. DTL. T.S. 4-1 (OCTOBER 2019).
- TYPE "R" TRAFFIC SIGNAL POLE AND FOUNDATION PER ADOT STD. DTL. T.S. 4-15 (OCTOBER 2013).



TYPE "G"

TYPE "G" LEFT TURN
VEHICLE HEAD



TYPE "G" WITH PLUMBIZER

TYPE "G" LEFT TURN
VEHICLE HEAD

IMSA CABLE 19-1, #12 AWG 20 CONDUCTOR				
CABLE #1	CABLE #2	BASIC COLOR	TRACER STRIPE	SIGNAL INTERVAL
φ1	φ5 OR OVERLAP A	RED	WHITE	RED
		BLACK	WHITE	YELLOW
		GREEN	WHITE	GREEN
φ2	φ6	RED	-	RED
		ORANGE	-	YELLOW
		GREEN	-	GREEN
φ3	φ7 OR OVERLAP C	BLACK	RED	RED
		ORANGE	RED	YELLOW
		BLUE	RED	GREEN
φ4 OR OVERLAP B	φ8 OR OVERLAP D	RED	BLACK	RED
		ORANGE	BLACK	YELLOW
		GREEN	BLACK	GREEN
φ2 PED.	φ6 PED.	BLUE	-	WALK
		BLACK	-	DON'T WALK
		WHITE	BLACK	PUSH BUTTON
φ4 PED.	φ8 PED.	BLUE	WHITE	WALK
		RED	GREEN	DON'T WALK
		WHITE	RED	PUSH BUTTON
ALL φ'S	ALL φ'S	WHITE		PB COMMON
		BLUE	BLACK	SPARE

IMSA CABLE 19-1, #12 AWG 4 CONDUCTOR & 7 CONDUCTOR			
SIGNAL HEADS OUTBOARD & FAR LEFT		SIGNAL HEADS INBOARD & SIDEMOUNT	
7 CONDUCTOR CABLE		4 CONDUCTOR CABLE	
BASIC COLOR	SIGNAL INTERVAL	BASIC COLOR	SIGNAL INTERVAL
RED	RED ARROW	RED	RED
BLACK	YELLOW	BLACK	YELLOW
GREEN	GREEN	GREEN	GREEN
ORANGE	YELLOW ARROW	WHITE	VEH. COM.
BLUE	GREEN ARROW	THE CABLE SHALL BE TAGGED AS TO ASSIGNED PHASE.	
WHITE	VEH. COM.		
WHITE/BLK TR	VEH. COM.		
PEDESTRIAN HEADS		PUSH BUTTON	
4 CONDUCTOR CABLE		4 CONDUCTOR CABLE	
BASIC COLOR	SIGNAL INTERVAL	BASIC COLOR	PUSH BUTTON STATION
RED	DON'T WALK	RED	PUSH BUTTON
GREEN	WALK	WHITE	P.B. COM.
WHITE	PED. COM.	GREEN	SPARE
BLACK	SPARE	BLACK	SPARE



DWG. NO.
TS02

DATE
07/12/2023

SHEET NO.
17

OF 23

CITY OF PRESCOTT PUBLIC WORKS

PRESCOTT LAKES PARKWAY AND
SUND OG RANCH ROAD
INTERSECTION IMPROVEMENTS
POLE SCHEDULE

FOR: COP

CHECKED BY: TMM

PREPARED BY: NMP/CAT

APPRV. DATE CITY

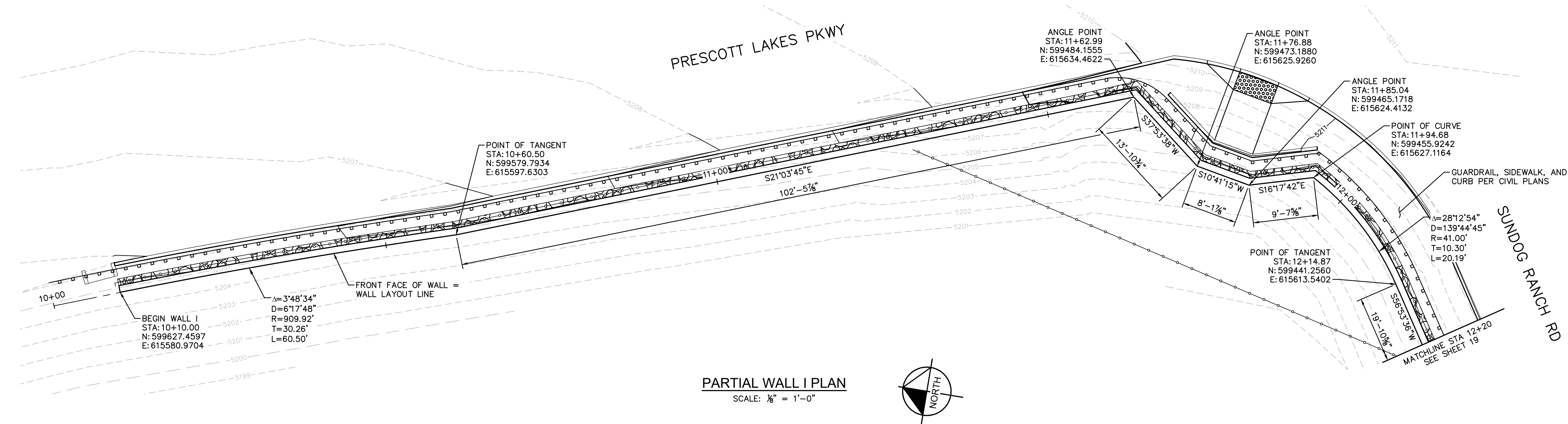
REVISIONS

NO. BY DATE ENGINEER

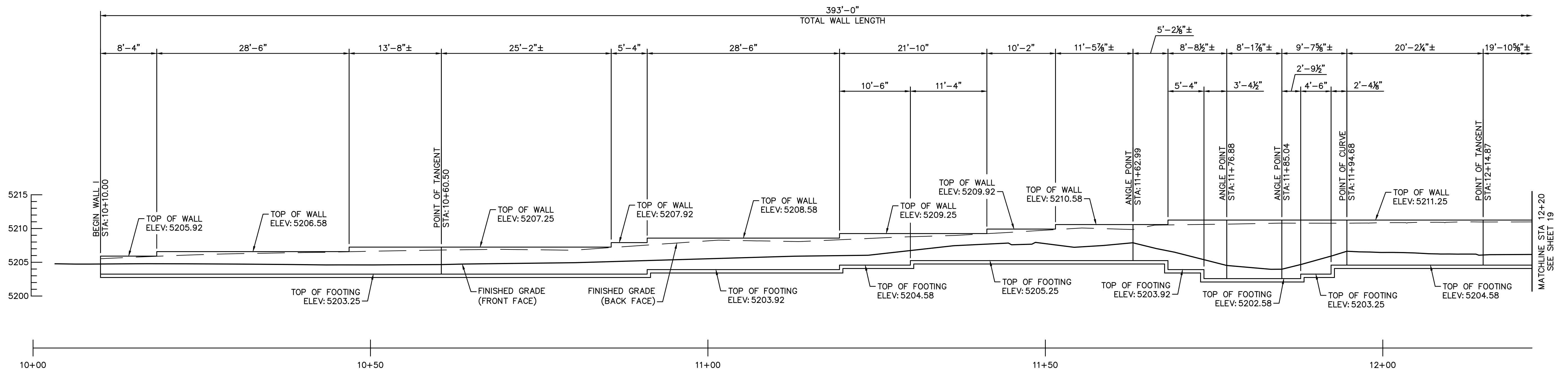
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REVIEW:

FILE NAME&PATH: K:\PRS_ROADWAY\091345036 - PLP AND SUNDG IMPROVEMENTS\CAD\PLANSHEETS\ST01.DWG



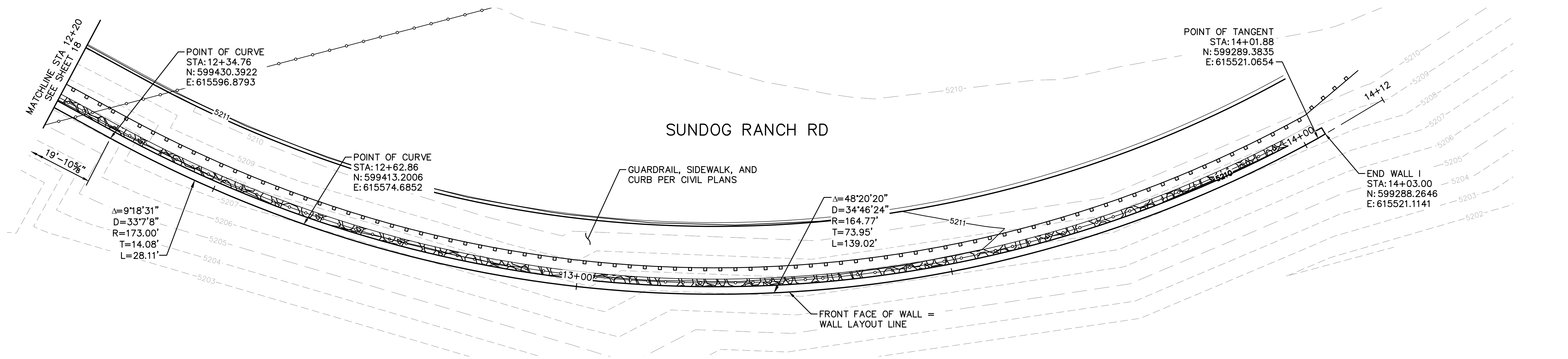
PARTIAL WALL I PLAN
SCALE: 1/8" = 1'-0"



PARTIAL WALL I ELEVATION
SCALE: 1/8" = 1'-0"

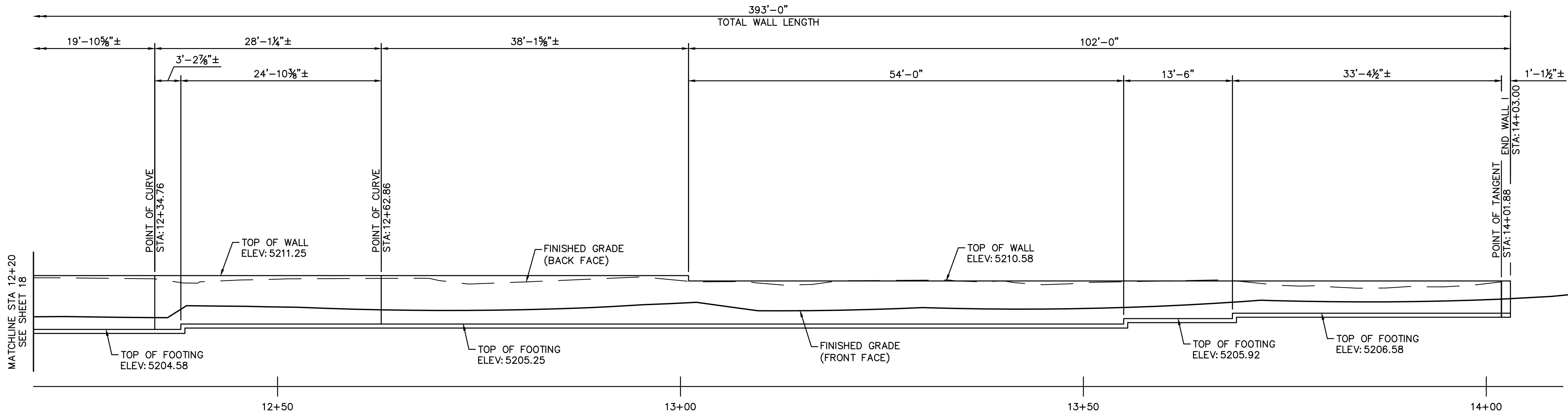


DWG. NO. ST01			CITY OF PRESCOTT PUBLIC WORKS		
DATE 07/12/2023			PRESCOTT LAKES PARKWAY AND SUNDG RANCH ROAD INTERSECTION IMPROVEMENTS		
SHEET NO. 18			WALL I PARTIAL PLAN AND ELEVATION		
OF 23			CITY OF PRESCOTT Everybody's Hometown		
PREPARED BY JOT			CHECKED BY CHG		
FOR: COP			CITY OF PRESCOTT Everybody's Hometown		
Registered Professional Engineer 68796 CHARLES H. GOLEK One Signed 07/12/23 ARIZONA, USA			CITY OF PRESCOTT Everybody's Hometown		
Kimley»»Horn © 2023 KIMLEY-HORN & ASSOCIATES, INC. 101 W. GOODWIN ST., SUITE 303 PHOENIX, ARIZONA 85004 PHONE: 928-458-7121 WWW.KIMLEY-HORN.COM			CITY OF PRESCOTT Everybody's Hometown		
APPR/ DATE			CITY		
REVISIONS			CITY		
NO. BY DATE			ENGINEER		



PARTIAL WALL I PLAN

SCALE: 1/8" = 1'-0"

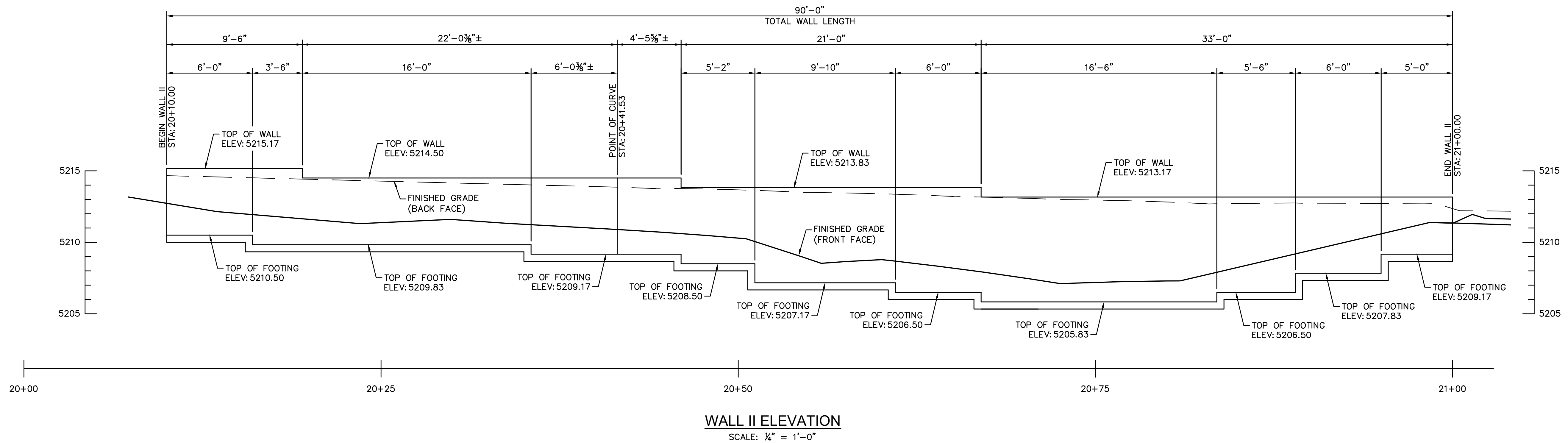
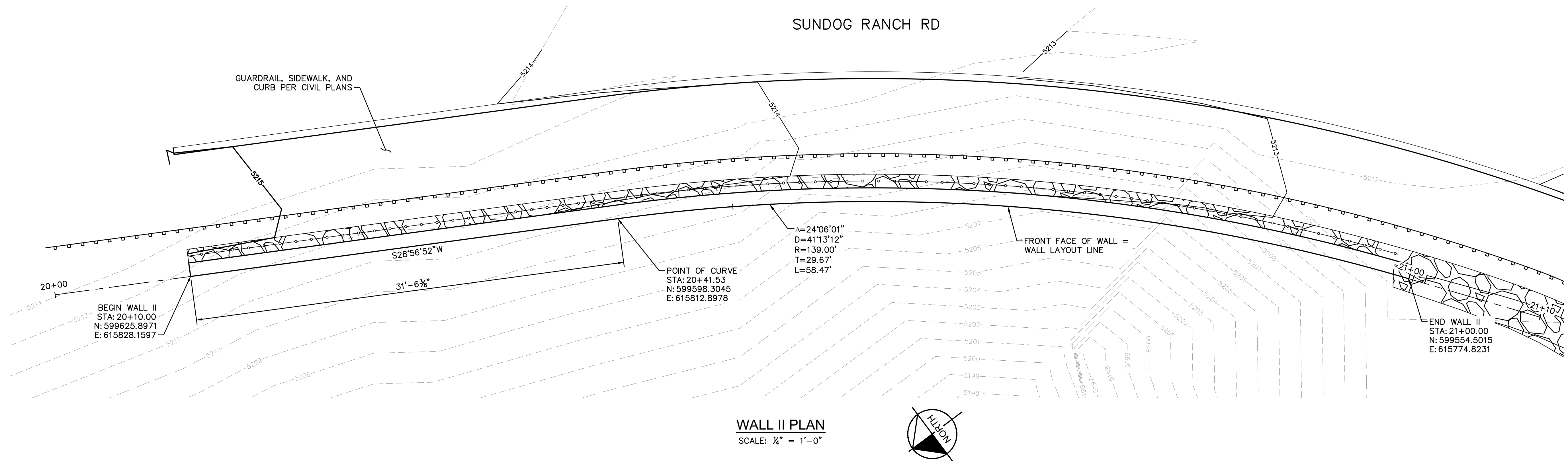


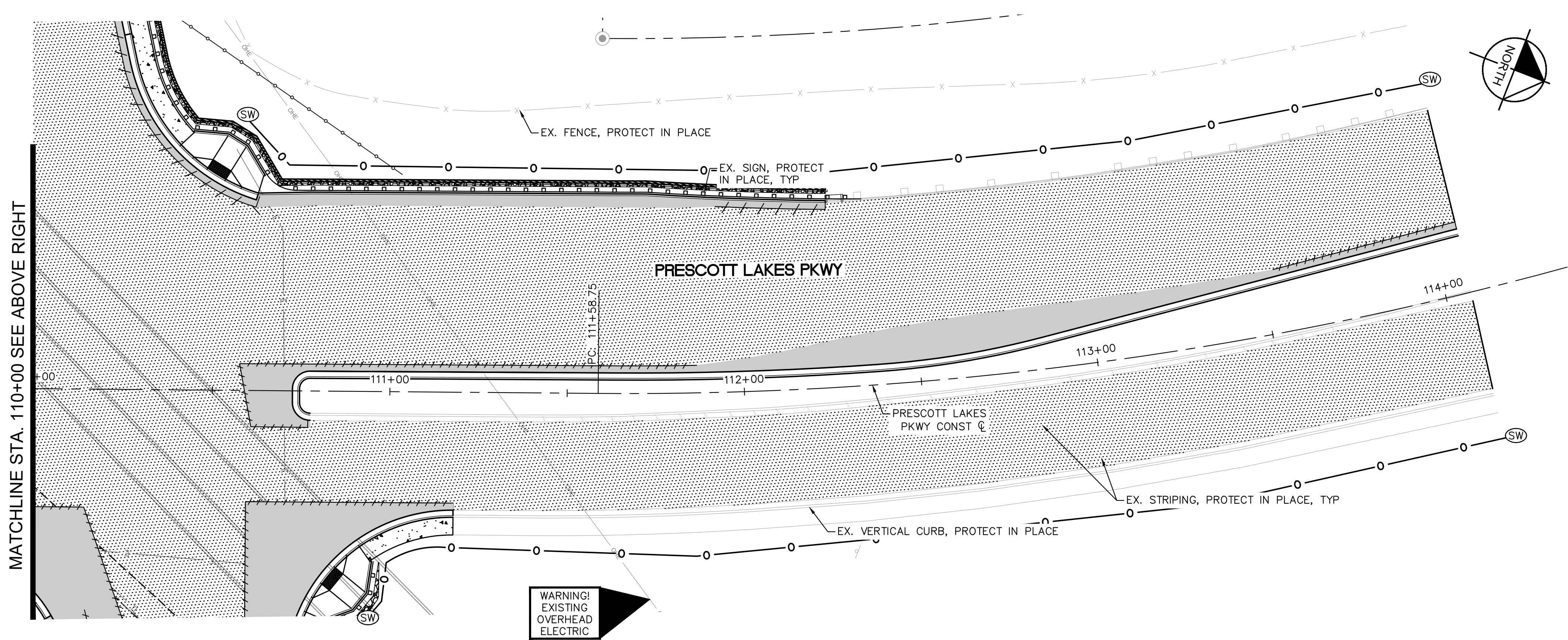
PARTIAL WALL I ELEVATION

SCALE: 1/8" = 1'-0"




DWG. NO. ST02		CITY OF PRESCOTT PUBLIC WORKS	
DATE 07/12/2023		PRESCOTT LAKES PARKWAY AND SUND OG RANCH ROAD INTERSECTION IMPROVEMENTS	
SHEET NO. 19		WALL I PARTIAL PLAN AND ELEVATION	
OF 23			
CITY OF PRESCOTT Everybody's Hometown		FOR: COP	
PREPARED BY: JOT	CHECKED BY: CHG		
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NO. BY DATE		REVISIONS	APPRV DATE CITY
ENGINEER			
CIP #: 2208-007		REVIEW:	







TEMPORARY EROSION CONTROL NOTES			
NO	DESCRIPTION	UNIT	QTY
(SW)	SEDIMENT WATTLE PER DTL. E1 ON SHEET 23.	LF	1,343
(IP)	INLET PROTECTION PER DTL. E2 ON SHEET 23.	EA	2

STORM WATER MANAGEMENT LEGEND




(SW) SEDIMENT WATTLE
BMP SC-5


(IP) STORM DRAIN INLET
PROTECTION
BMP SC-8


[illegible]

SHEET NOTES

1. STATION AND OFFSET BASED ON PRESCOTT LAKES PARKWAY CONSTRUCTION C.
2. REFER TO SHEETS 08-09 FOR DEMOLITION PLAN SHEETS.
3. REFER TO SHEETS 11-14 FOR ROADWAY PLAN AND PROFILE SHEETS.
4. REFER TO SHEET 15 FOR SIGNAGE AND MARKING PLAN SHEET.
5. REFER TO SHEET 16 FOR TRAFFIC SIGNAL PLAN SHEET.
6. REFER TO SHEET 10 FOR LEFT TURN LANE STAKING PLAN SHEET.
7. CONTRACTOR TO LOCATE EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.


GRAPHIC SCALE IN FEET

0 10 20 40



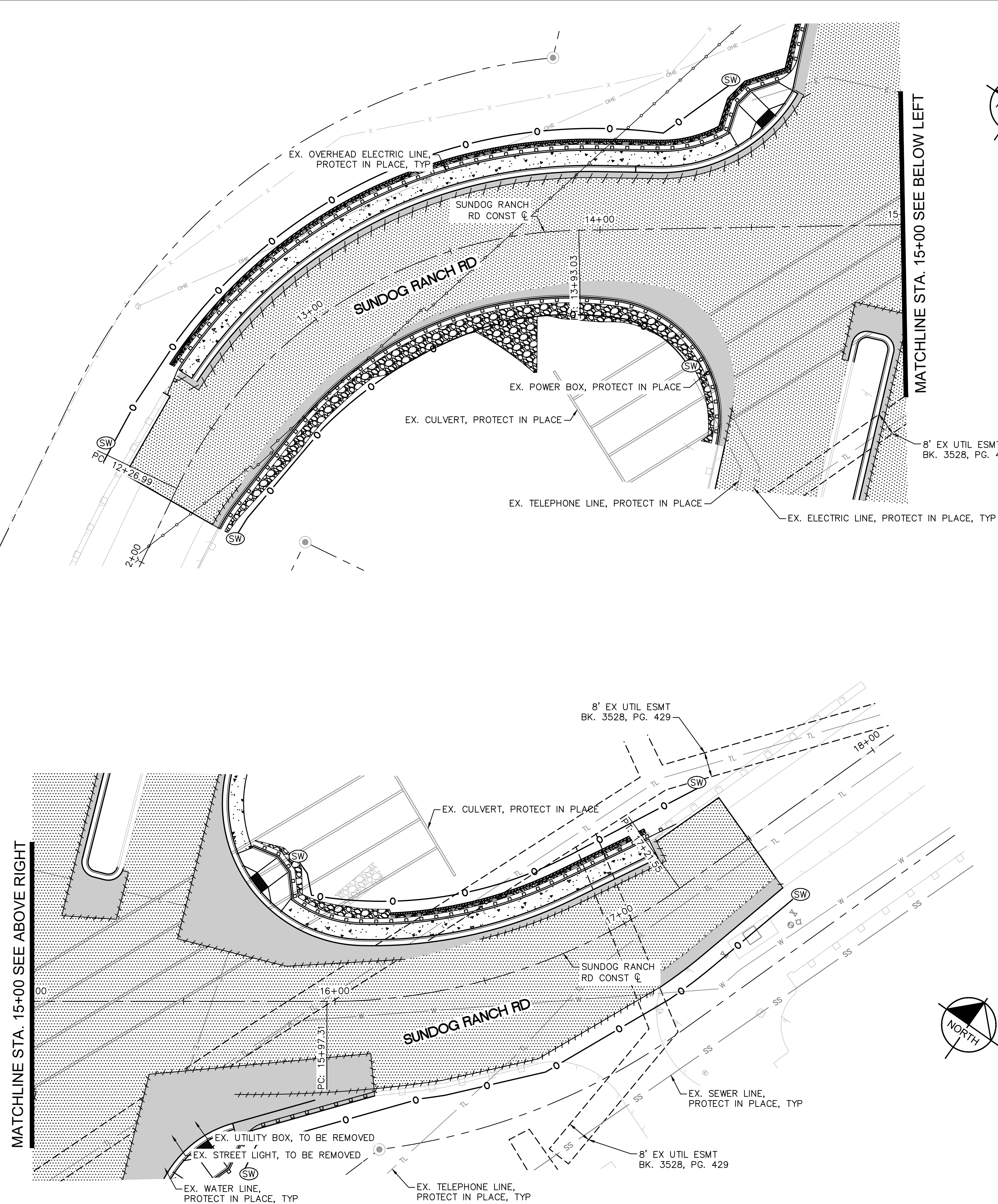
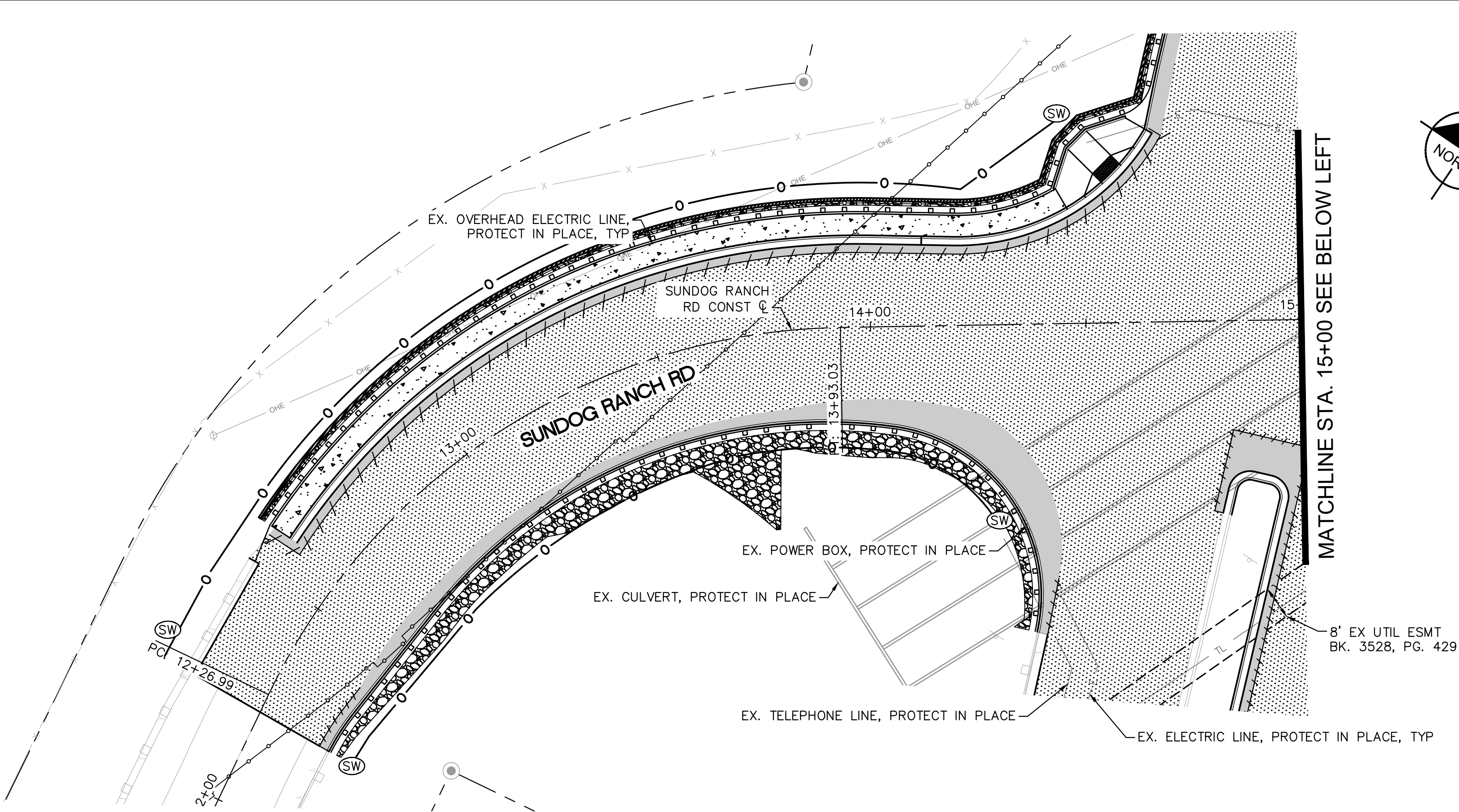
Call at least two full working days
before you begin excavation.

ARIZONA 811

Arizona Blue Stakes, Inc. 

Dial 8-1-1 or 1-800-STAKE-4IT (782-5348)
In Maricopa County: (602) 263-1100

[illegible]



TEMPORARY EROSION CONTROL NOTES			
NO	DESCRIPTION	UNIT	QTY
(SW)	SEDIMENT WATTLE PER DTL. E1 ON SHEET 23.	LF	806
(IP)	INLET PROTECTION PER DTL. E2 ON SHEET 23.	EA	0

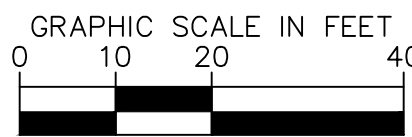
STORM WATER MANAGEMENT LEGEND

— 0 — (SW) SEDIMENT WATTLE
BMP SC-5

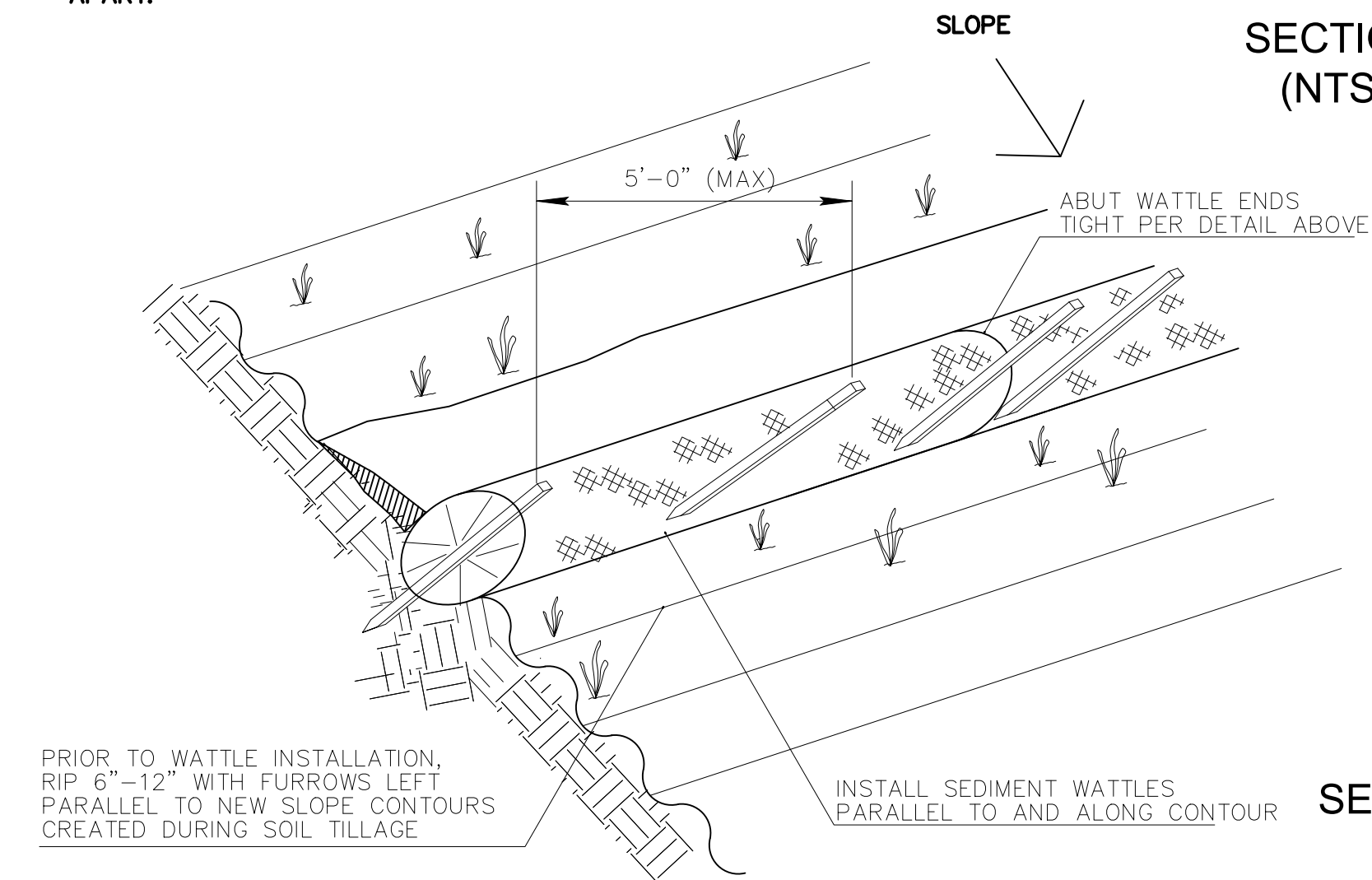
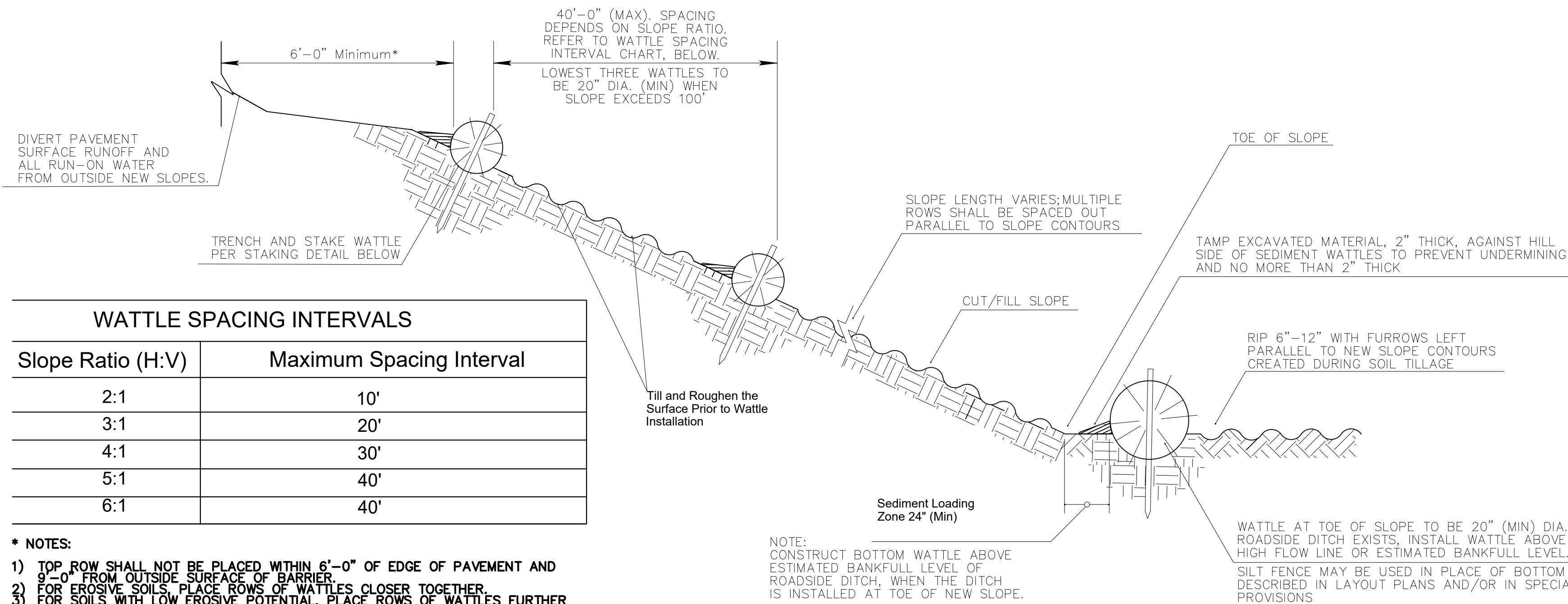
 (IP) STORM DRAIN INLET
PROTECTION
BMP SC-8

SHEET NOTES

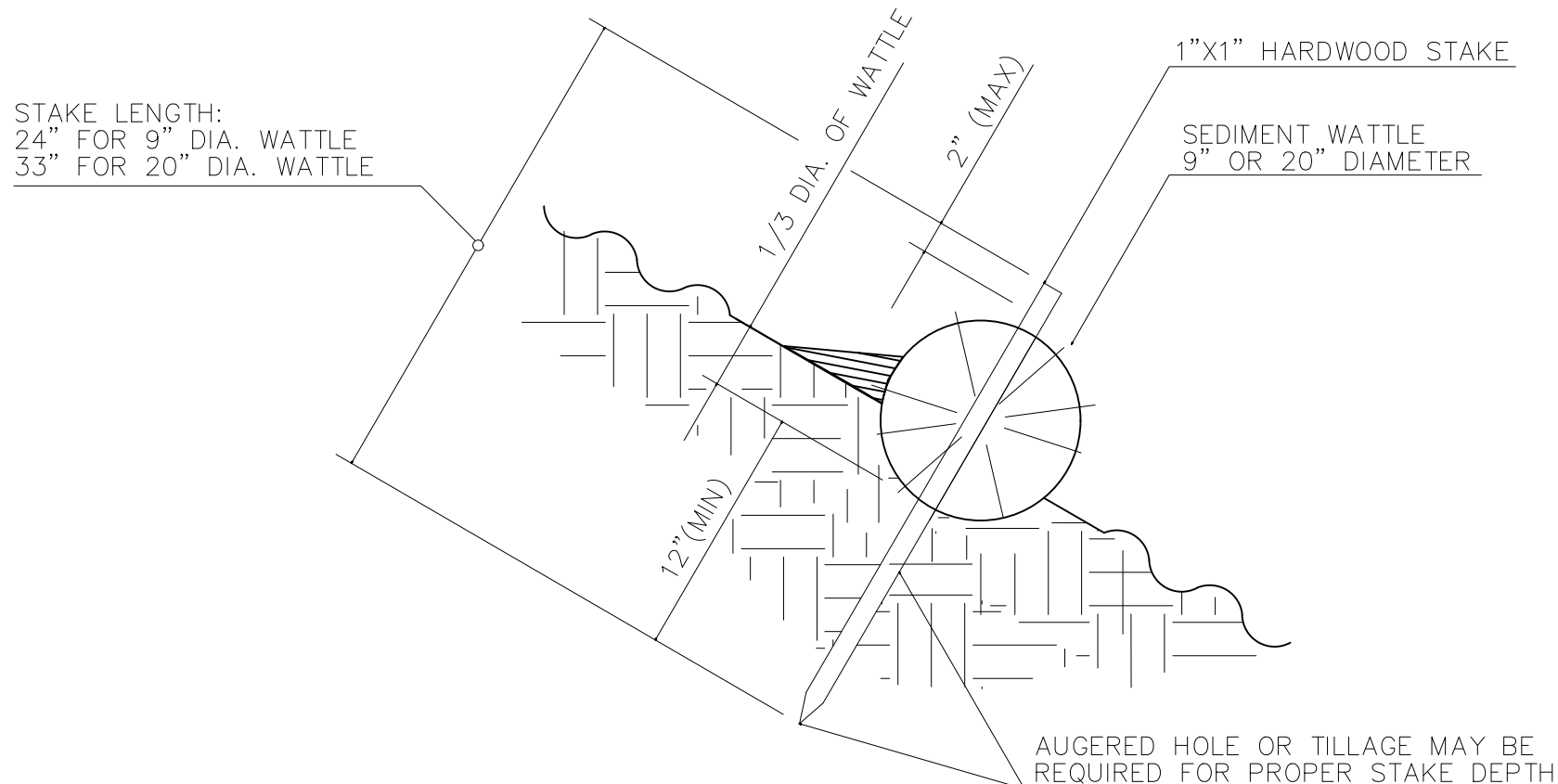
1. STATION AND OFFSET BASED ON PRESCOTT LAKES PARKWAY CONSTRUCTION &
2. REFER TO SHEETS 08-09 FOR DEMOLITION PLAN SHEETS.
3. REFER TO SHEETS 11-14 FOR ROADWAY PLAN AND PROFILE SHEETS.
4. REFER TO SHEET 15 FOR SIGNAGE AND MARKING PLAN SHEET.
5. REFER TO SHEET 16 FOR TRAFFIC SIGNAL PLAN SHEET.
6. REFER TO SHEET 10 FOR LEFT TURN LANE STAKING PLAN SHEET.
7. CONTRACTOR TO LOCATE EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.

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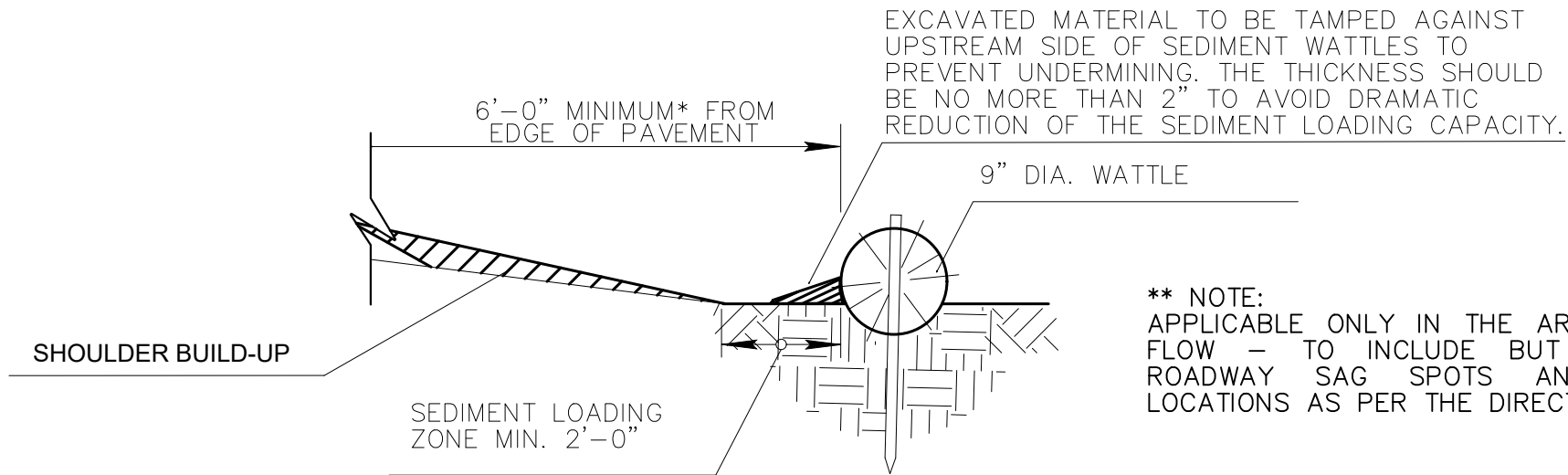
FILE NAME&PATH: K:\PRS_ROADWAY\091345036 - PLP AND SUNDG IMPROVEMENTS\CAD PLANSHEETS\ER03.DWG



SEDIMENT WATTLE LAYOUT (NTS)

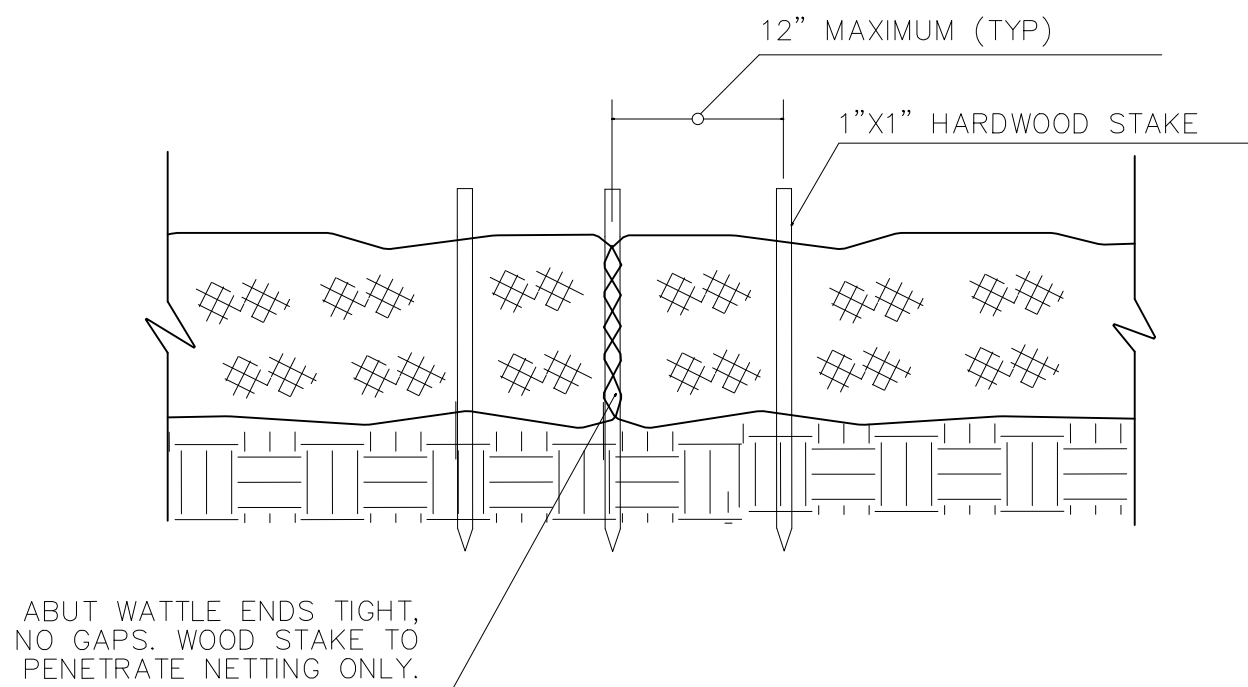


SEDIMENT WATTLE STAKING DETAIL (NTS)



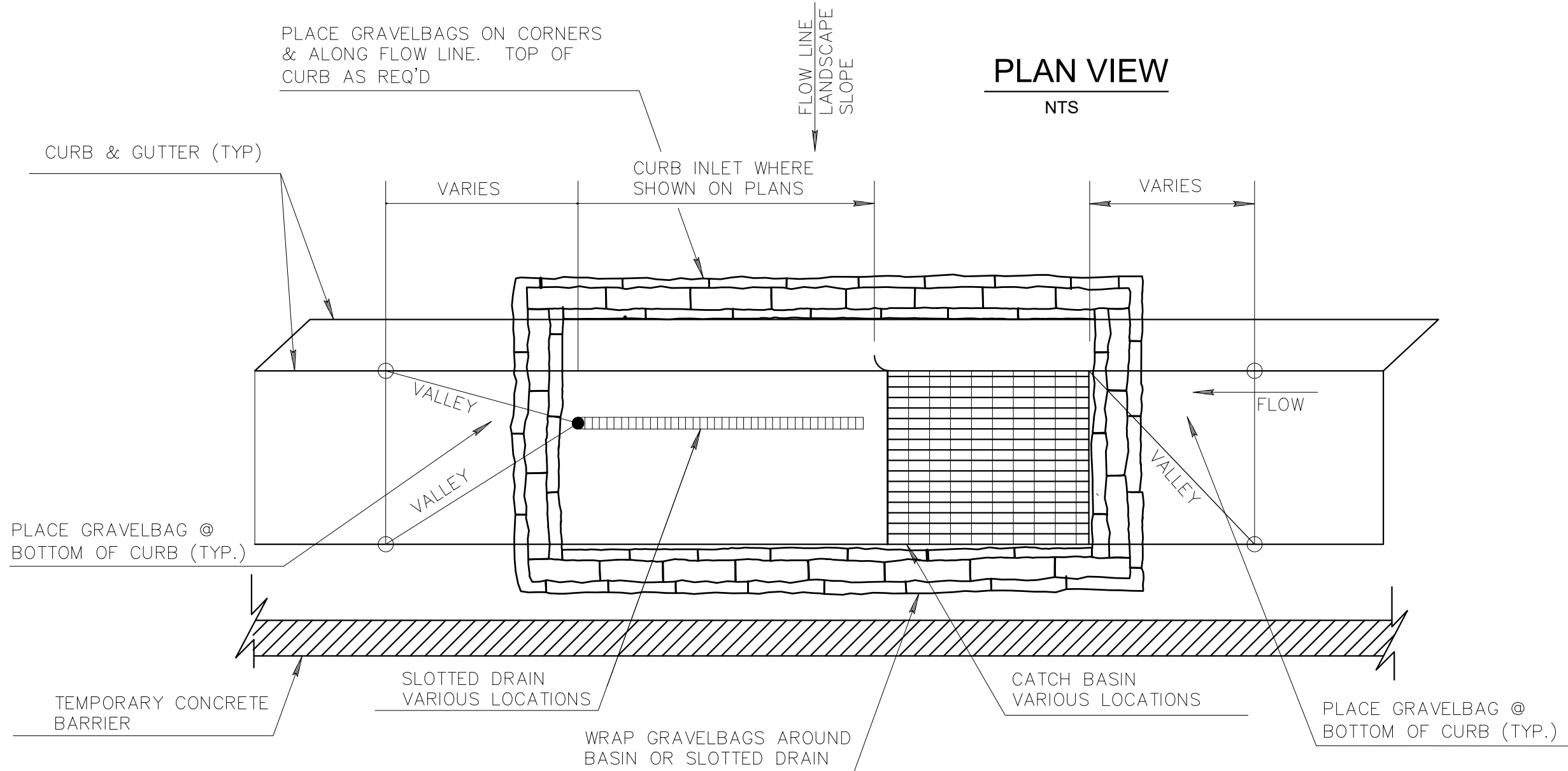
NEW SHOULDER BUILDUP ** PROTECTION SECTION (NTS)

- NOTES:**
1. INSTALL SEDIMENT WATTLES AS SLOPES ARE CONSTRUCTED TO GRADE OR AS DIRECTED BY THE ENGINEER. SELECT, INSTALL AND MAINTAIN IN CONFORMANCE WITH MANUFACTURERS' SPECIFICATIONS TO MEET SITE CONDITIONS FOR SLOPE PROTECTION AND IN ACCORDANCE WITH GOOD ENGINEERING PRACTICES. NO SEDIMENT WATTLES SHALL BE INSTALLED IN URBAN FREEWAY MEDIANS, NOR WHERE CABLE BARRIER SYSTEMS ARE EMPLOYED.
 2. SEDIMENT WATTLES SHALL BE IN CONTINUOUS CONTACT WITH TRENCH BOTTOM AND SIDES. DO NOT OVERLAP WATTLE ENDS ON TOP OF EACH OTHER. A 20" DIA. WATTLE MAY BE MADE FROM 2-3 ROLLED EXCELSIOR OR STRAW BLANKETS.
 3. BUTT ADJOINING WATTLES TIGHTLY AGAINST EACH OTHER. DRIVE THE FIRST END STAKE OF THE SECOND WATTLE AT AN ANGLE TOWARD THE FIRST WATTLE TO HELP ABUT THEM TIGHTLY.
 4. REPAIR ANY RILLS OR GULLIES PROMPTLY. MAKE FIELD ADJUSTMENTS AND CORRECTIONS OF WATTLE BMP IMMEDIATELY IF IT IS CAUSING FLOODING, EROSION, AND/OR AFFECTING ROADWAY SAFETY.
 5. CONSTRUCTION OF CUT SLOPES 2:1 AND STEEPER IN SOIL AND ROCK MATERIALS THAT CAN BE RIPPED SHALL BE CONSTRUCTED, WHENEVER POSSIBLE, BY MINIBENCHING. REFER TO SLOPE MINIBENCHING BMP DETAIL.
 6. LOOSENING SURFACE SOIL IS NOT REQUIRED WHERE MINIBENCHES ARE USED. FOR SEEDED AREAS, TILLAGE SHALL BE PERFORMED TO FORM MINOR RIDGES AND FURROWS PARALLEL TO NEW SLOPE CONTOURS AND AS SPECIFIED IN SECTION 805 OF THE STANDARD SPECIFICATIONS AND THESE SPECIAL PROVISIONS.
 7. DIVERT AND DIRECT RUN-ON WATER FROM OUTSIDE OF THE SLOPES TO THE SPILLWAYS AND/OR ROCK RIPRAP/ROCK MULCH. DIVERSION DIKES AND/OR DITCHES ARE NECESSARY ON NATURAL UNDISTURBED SLOPES BEYOND THE TOP LIMITS OF NEW SLOPES TO DIVERT RUN-ON WATER.
 8. INSTALLATION AND MAINTENANCE OF SEDIMENT WATTLE BMPS SHALL NOT NEGATIVELY IMPACT TRAFFIC SAFETY, NOR THE DESIGNED FUNCTION OF ROADWAY OR BRIDGE DRAINAGE FACILITIES.
 9. INSTALL AND MAINTAIN SEDIMENT WATTLE BMPS TO CARRY THE STORMWATER OF AT LEAST 2-YEAR, 24-HOUR EVENTS.
 10. THE SEDIMENT WATTLE BMP'S PAY/BID ITEM SHALL INCLUDE ALL MATERIALS USED FOR THIS BMP: ALL GROUND PREPARATION, FURNISHING, INSTALLING, MAINTENANCE, FINAL REMOVAL AND DISPOSAL OF THIS TEMPORARY BMP, AS WELL AS RETURNING THE AREA TO AN ACCEPTABLE CONDITION AS APPROVED BY THE ENGINEER.
 11. REFER TO STANDARD SPECIFICATION SECTION 810-2.06(C) FOR SEDIMENT WATTLE MATERIAL SPECIFICATIONS.
 12. MAKE FIELD ADJUSTMENTS AND CORRECTIONS TO ENSURE NO SENSITIVE BIOLOGICAL RESOURCES (NATIVE SPECIES / HABITATS) WILL BE ADVERSELY IMPACTED.

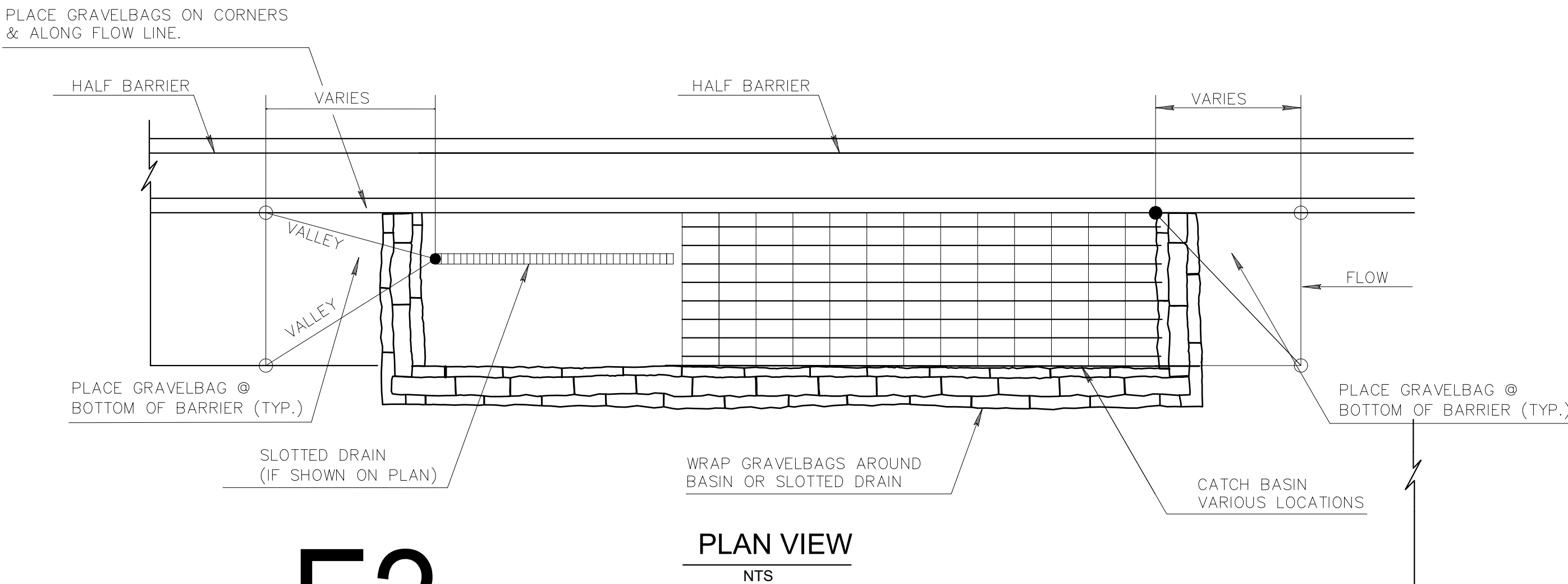


SEDIMENT WATTLE OVERLAP (NTS)

DETAIL E1
BMP SC-5: SEDIMENT WATTLE



PLAN VIEW
NTS



PLAN VIEW
NTS

DETAIL E2
BMP SC-8: GRAVEL BAGS STORM DRAIN PROTECTION / INLET CATCH BASIN PROTECTION / DISTURBED AREA PROTECTION

DWG. NO. ER03		CITY OF PRESCOTT PUBLIC WORKS		PRESCOTT LAKES PARKWAY AND SUNDG RANCH ROAD INTERSECTION IMPROVEMENTS	
DATE 07/12/2023		SHEET NO. 23		EROSION CONTROL DETAILS	
OF 23		CITY OF PRESCOTT		FOR: COP	
EVERYBODY'S HOMETOWN		CHECKED BY: JTH		ACB	
18841 ANDREW C. BAIRD		Date Signed 07/12/23		PREPARED BY: JTH	
KIMLEY-HORN & ASSOCIATES, INC.		2003 KIMLEY-HORN & ASSOCIATES, INC.		101 W. GOODWIN ST., SUITE 303	
PHOENIX, ARIZONA 85004		TEL: 602.998.9633		WWW.KIMLEY-HORN.COM	
NO.		BY		DATE	
ENGINEER		REVISIONS		CITY	
CIP #: 2208-007		REVIEW:		CITY	