S2 S1 S12 1913

AS-BUILT CERTIFICATION: (PAVING & GRADING)

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

REGISTERED LAND SURVEYOR	DATE	
REGISTRATION NUMBER	EXPIRES	
AS-BUILT CERTIFICATION: (SEWER) I HEREBY CERTIFY THAT THE "AS-BUILT" ANNOTATIONS PRO WERE BASED ON AN AS-BUILT SURVEY CONDUCTED UNDER ACCURATELY DEPICTS EXISTING FIELD CONDITIONS TO THE AND BELIEF.	R MY SUPERVISION AND	
REGISTERED LAND SURVEYOR	DATE	
REGISTRATION NUMBER	EXPIRES	
ENGINEER'S STANDARD DETAILS DISCLA COMPLYING WITH THE ARIZONA STATE BOARD OF TECHNIC SUBSTANTIVE POLICY STATEMENT REGARDING SEALING OF STANDARD DETAILS USED IN THE DESIGN OF THIS PROJECT ADOPTED BY THE AGENCIES THAT PREPARED THEM. IN VIE OF USE, APPLICABILITY, AND/OR SOUNDNESS, THE ENGINE THIS PROJECT AND FINDS NO NEED FOR ALTERATION. EXCL USE MUST BE MODIFIED BY THE ENGINEER IN ORDER TO WO DESIGN CONDITIONS. SUCH MODIFICATIONS SHALL BE NOT THE REGISTRANT ACCORDINGLY.	AL REGISTRATION'S F STANDARD DETAILS, THE T HAVE BEEN FORMALLY W OF THEIR LONG HISTORY ER ACCEPTS THEIR USE FOR EPT IN CASES WHERE IT'S ORK WITH PROPOSED	
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BASIS OF ELEVATIONS:

THE BASIS OF ELEVATION: BENCHMARK IS THE NORTHWEST CORNER OF SECTION 12, T.12S., R.13E ELEVATION=2693.89 FEET

SECONDARY BENCHMARK IS THE WEST QUARTER CORNER OF SECTION 12, T.12S., R.13E

ELEVATION=2581.39 FEET

NOTE:

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A FLOOD USE PERMIT IS REQUIRED.

THIS PROJECT IS AFFECTED BY THE ORO VALLEY TOWN CODE CHAPTER 17 FLOODPLAIN AND EROSION HAZARD MANAGEMENT.

PERMITTING DIVISION-BUILDING CODES

THE FOLLOWING CODES AND STANDARDS SHALL BE APPLICABLE TO THIS DEVELOPMENT: INTERNATIONAL BUILDING CODES WITH LOCAL AMENDMENTS

- NATIONAL ELECTRIC CODE ADA STANDARDS FOR A ACCESSIBLE DESIGN •
- 2018 IFC WITH LOCAL AMENDMENTS •
- TOWN OF ORO VALLEY POOL CODE
- PAG STANDARDS SPECIFICATIONS AN D DETAILS FOR PUBLIC IMPROVEMENTS
- TOWN OF ORO VALLEY DRAINAGE CRITERIA MANUAL
- TOWN OF ORO VALLEY SUBDIVISION STREET STANDARDS AND POLICIES MANUAL TOWN OF ORO VALLEY ZONING CODE, CURRENT REVISED
- ORO VALLEY TOWN CODE, CURRENT REVISED.

PIMA COUNTY RWRD STANDARD DETAILS

- 104 TYPICAL TRENCH FOR GRAVITY SEWER LINES
- 108 SEWER/WATER CROSSING DETAILS 111 SEWER EASEMENT TYPICAL SECTION
- 205 4' DIAMETER MANHOLE CONFIGURATIONS
- 211 CONCRETE COLLAR FOR PAVED AREAS
- 212 CONCRETE COLLAR FOR UNPAVED AREAS
- 213 24" FRAME AND COVER 214 24" WATERTIGHT FRAME AND COVER
- 215 24" BOLTED WATERTIGHT FRAME AND COVER
- 216 30" FRAME AND COVER
- 217 30" WATERTIGHT FRAME AND COVER
- 218 30" BOLTED WATERTIGHT FRAME AND COVER 304 GRADE ADJUSTMENT FOR EXISTING BRICK MANHOLE
- 305 GRADE ADJUSTMENT FOR EXISTING PRECAST MANHOLE
- 306 FLOW CHANNEL COVER
- 309 MANHOLE RECONSTRUCTION 400 HCS REROUTING
- 401 HCS CONNECTION TO SEWER LINE
- 402 HCS CONNECTION TO MANHOLE

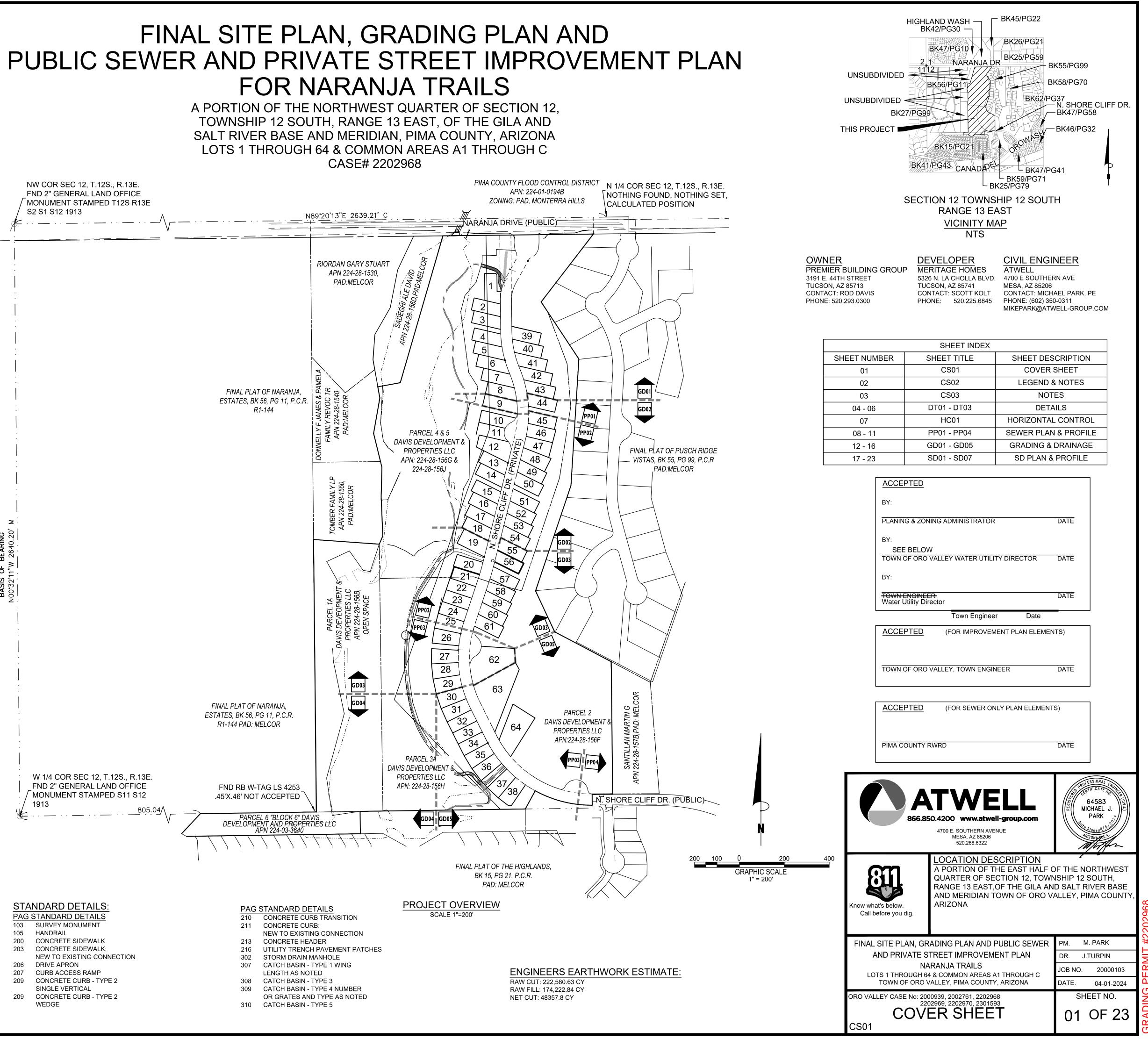
STA	NDARD DETAILS:
PAG	STANDARD DETAILS
103	SURVEY MONUMENT
105	HANDRAIL
200	CONCRETE SIDEWALK
203	CONCRETE SIDEWALK:
	NEW TO EXISTING CONNEC
206	DRIVE APRON
207	CURB ACCESS RAMP
209	CONCRETE CURB - TYPE 2

1913

SINGLE VERTICAL 209 CONCRETE CURB - TYPE 2 WEDGE

FINAL SITE PLAN, GRADING PLAN AND FOR NARANJA TRAILS

TOWNSHIP 12 SOUTH, RANGE 13 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN, PIMA COUNTY, ARIZONA LOTS 1 THROUGH 64 & COMMON AREAS A1 THROUGH C



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GENERAL NOTES

- 1. GROSS AREA: 58.02 ACRES COMMON AREA "A1" NARANJA TRAILS COMMUNITY ASSOCIATION, MAINTENANCE-HOA AREA: 0.52 ACRES COMMON AREA "A2" NARANJA TRAILS COMMUNITY ASSOCIATION, MAINTENANCE-HOA AREA: 4.59 ACRES COMMON AREA "A3" TOWN OF ORO VALLEY, MAINTENANCE-TOWN OF ORO VALLEY AREA: 21.05 ACRES COMMON AREA "B1" NARANJA TRAILS COMMUNITY ASSOCIATION, MAINTENANCE-HOA AREA: 4.37 ACRES COMMON AREA "B2" NARANJA TRAILS COMMUNITY ASSOCIATION, MAINTENANCE-HOA AREA: 12.05 ACRES COMMON AREA "C" PRIVATE STREET, MAINTENANCE-HOA AREA: 3.74 ACRES UNDISTURBED OPEN SPACE: 29.56 ACRES
- 2. RESIDENTIAL UNITS PER ACRE = 1.10
- 3. RESIDENTIAL LOTS: 64
- 4. TOTAL MILES OF NEW PUBLIC STREET IS 0.0
- 5. TOTAL MILES OF NEW PRIVATE STREETS IS 0.45
- 6. A FLOOD USE PERMIT IS REQUIRED.
- 7. THIS PROJECT IS AFFECTED BY THE ORO VALLEY TOWN CODE CHAPTER 17 FLOODPLAIN AND EROSION HAZARD MANAGEMENT.
- 8. ASSURANCES FOR WATER SERVICE. SITE STABILIZATION AND LANDSCAPING MUST BE POSTED PRIOR TO THE **ISSUANCE OF GRADING PERMITS**
- 9. ALL TRAIL EASEMENTS INDICATED ARE FOR USE BY THE GENERAL PUBLIC AS PERMANENT, NON-MOTORIZED TRAIL EASEMENT.
- 10. ALL PUBLIC TRAILS AND SIGNAGE MUST BE CONSTRUCTED BY THE DEVELOPER TO PIMA REGIONAL TRAIL SYSTEM MASTER PLAN STANDARDS IN CONSULTATION WITH THE TOWN PARKS AND RECREATION DEPARTMENT.
- 11. TRAIL LOCATION, AS INDICATED ON THESE PLANS, MUST BE FIELD VERIFIED BY TOWN STAFF PRIOR TO CONSTRUCTION AND ARE SUBJECT TO ADJUSTMENT. SIGNS SHALL BE LOCATED APPROXIMATELY EVERY 100 FEET ALONG THE TRAIL AND SHALL BE PER SEPARATE PERMIT BY ORO VALLEY. INFORMATION ON SIGNS SHALL BE AS DIRECTED PER ORO VALLEY.
- 12. TRAILS MUST BE POSITIONED IN A MANNER TO AVOID VEGETATION AND MINIMIZE POTENTIAL FOR EROSION.
- 13. FOR RESIDENTIAL DEVELOPMENTS, CONSTRUCTION OF ALL RECREATIONAL AMENITIES AND PUBLIC OR PRIVATE TRAILS WITHIN THE PROJECT LIMITS MUST BE COMPLETED BY THE TIME 35% OF BUILDING PERMITS ARE ISSUED PER SECTION 26.5 OF THE ZONING CODE.
- 14. ALL PUBLIC TRAILS SHALL BE OWNED AND MAINTAINED BY ORO VALLEY.

PLANNING GENERAL NOTES

- 1. MAXIMUM ALLOWED BUILDING HEIGHT: 25' MAX AND NOT TO EXCEED 2 STORIES.
- 2. NO PROPOSED LOTS ARE AFFECTED BY CRITICAL/SIGNIFICANT RESOURCE AREAS.
- 3. TOTAL AMOUNT OF OPEN SPACE REQUIRED: 334,402 SF
- 4. TOTAL AMOUNT OF OPEN SPACE PROVIDED: 1,860,291 SF
- 5. TOTAL AMOUNT OF LANDSCAPED COMMON AREAS: 572,302 SF
- 6. OPEN SPACE TO REMAIN AS NATURAL OPEN SPACE: 1,287,989 SF
- 7. BUILDING SETBACKS REQUIRED: 15' FRONT MINIMUM; HOWEVER, A 20-FOOT DRIVEWAY IS REQUIRED TO NOT IMPEDE REQUIRED SIDEWALKS. NO REQUIRED SIDE YARD EXCEPT WHEN ADJACENT TO A STREET (10') AND A 15' MINIMUM REAR YARD.
- 8. ALL COMMON AREAS WILL BE OWNED AND MAINTAINED BY THE HOA AS NOTED IN PLANS.
- 9. THE EXISTING ZONING FOR THIS DEVELOPMENT IS: PAD: RIVER'S EDGE (MELCOR)
- 10. ALL SIGNAGE AND LIGHTING TO BE ADDRESSED AS PART OF A SEPARATE REVIEW AND APPROVAL PROCESS
- 11. ALL NAMING AND SIGNAGE OF STREETS SHALL CONFORM TO PIMA COUNTY'S ADDRESSING ORDINANCE AND POLICIES, SECTIONS 18.83.060 THROUGH 18.83.080.

ENGINEERING GENERAL NOTES

- 1. DESIGN SPEED IS 25 MPH. THE DESIGN VEHICLE IS SU-30.
- 2. ALL NEW PUBLIC ROADS WITHIN AND ADJACENT TO THIS PROJECT WILL BE CONSTRUCTED IN ACCORDANCE WITH APPROVED PLANS. SEPARATE PUBLIC IMPROVEMENT AND CONSTRUCTION PLANS WILL BE SUBMITTED TO THE TOWN ENGINEER'S OFFICE FOR REVIEW AND APPROVAL.
- 3. ANY RELOCATION OR MODIFICATION OF EXISTING UTILITIES AND/OR PUBLIC IMPROVEMENTS NECESSITATED BY THE PROPOSED DEVELOPMENT WILL BE AT NO EXPENSE TO THE PUBLIC

ORO VALLEY WATER UTILITY GENERAL NOTES

- 1. THIS DEVELOPMENT MUST COMPLY WITH THE ORO VALLEY WATER UTILITY SPECIFICATIONS MANUAL DURING ALL PHASES OF CONSTRUCTION
- 2. THIS PROJECT WILL BE SERVED BY ORO VALLEY WATER UTILITY WHICH HAS BEEN DESIGNATED AS HAVING AN ASSURED 100 YEAR WATER SUPPLY BY THE DIRECTOR OF WATER RESOURCES. ANY AND ALL WELLS MUST BE ABANDONED PER ADWR REGULATIONS
- 3. A LINE EXTENSION AGREEMENT MUST BE IN PLACE PRIOR TO ANY WORK ON THE WATER INFRASTRUCTURE FOR THIS PROJECT BEGINS.
- 4. ORO VALLEY WATER UTILITY WILL BE THE WATER SERVICE PROVIDER

GENERAL UTILITY GENERAL NOTES

- 1. SHOULD AN EASEMENT BE IN CONFLICT WITH ANY PROPOSED BUILDING LOCATION, VACATION OF THE EASEMENT IS TO OCCUR PRIOR TO ISSUANCE OF BUILDING PERMITS.
- 2. ALL DRAINAGE STRUCTURES SHALL BE INSPECTED AND A SUMMARY REPORT PREPARED AT A MINIMUM OF ONCE EACH YEAR IN ACCORDANCE WITH THE PROCEDURES IN THE APPROVED DRAINAGE REPORT. COPIES OF THE ANNUAL INSPECTION REPORTS SHALL BE MADE AVAILABLE TO THE TOWN UPON REQUEST
- 3. ALL DRAINAGE STRUCTURES SHALL BE INSPECTED AND A SUMMARY REPORT PREPARED BY AN ARIZONA REGISTERED CIVIL ENGINEER A MINIMUM OF ONCE EACH FIVE YEARS IN ACCORDANCE WITH THE PROCEDURES IN

DRAINAGE GENERAL NOTES

- TOWN COUNCIL.

1. DEVELOPER WILL COVENANT TO HOLD THE TOWN OF ORO VALLEY, ITS SUCCESSORS AND ASSIGNS, HARMLESS IN THE EVENT OF FLOODING.

2. DRAINAGE WILL NOT BE ALTERED, DISTURBED, OR OBSTRUCTED WITHOUT THE APPROVAL OF THE ORO VALLEY

3. DRAINAGE STRUCTURES MUST BE CONSTRUCTED AND INSTALLED ACCORDING TO TOWN STANDARDS AND PAID FOR BY THE DEVELOPER.

4. ALL DRAINAGE STRUCTURES MUST BE DESIGNED TO CONVEY A Q100 FLOW

5. ALL DRAINAGE FACILITIES WILL BE CONSTRUCTED ACCORDING TO APPROVED PLANS PRIOR TO THE ISSUANCE OF ANY CERTIFICATES OF OCCUPANCY FROM THE BUILDING OFFICIAL FOR ALL AFFECTED BUILDINGS.

6. THE DEVELOPER WILL ACCEPT RESPONSIBILITY FOR MAINTENANCE, CONTROL, SAFETY AND LIABILITY OF PRIVATE DRAINAGEWAYS, DRAINAGE EASEMENTS, AND COMMON AREAS UNTIL OWNERSHIP IS TRANSFERRED TO THE HOA.

7. ALL DRAINAGE WAYS WILL BE CONSTRUCTED ACCORDING TO APPROVED PLANS PRIOR TO THE ISSUANCE OF ANY PERMITS FROM THE TOWN ENGINEER AND/OR BUILDING OFFICIAL FOR PARCELS AFFECTED. AFFECTED PARCELS MUST BE SPECIFICALLY IDENTIFIED EITHER BY NUMBER IN NOTE OR OUTLINE ON THE DEVELOPMENT PLAN.

8. DRAINAGE MUST BE COLLECTED AND RELEASED FROM A PROPOSED DEVELOPMENT AT THE LOCATIONS AND THE MANNER EXISTING PRIOR TO DEVELOPMENT.

9. DRAINAGE WAYS MUST BE PROVIDED WHERE NECESSARY TO CARRY DRAINAGE FLOWS THROUGH OR FROM THE DEVELOPMENT AND SUCH DRAINAGE WAYS MUST BE DEDICATED AND MAINTAINED BY THE PROPERTY OWNERS OR PROPERTY OWNERS ASSOCIATION.

10. DRAINAGE WAYS MUST BE DESIGNED TO NOT DISCHARGE ONTO PAVED STREETS, EASEMENTS OR PARKING AREAS.

11.PARKING AREAS MUST NOT BE USED AS DETENTION BASINS. ORO VALLEY WATER GENERAL NOTES.

12. "ALL DRAINAGE WAYS WILL BE CONSTRUCTED ACCORDING TO APPROVED PLANS PRIOR TO THE ISSUANCE OF ANY PERMITS FROM THE TOWN ENGINEER AND/OR BUILDING OFFICIAL FOR PARCELS AFFECTED." PARCELS AFFECTED BY REGULATORY FLOODPLAIN MUST BE SPECIFICALLY IDENTIFIED EITHER BY NUMBER, IN NOTE OR BY OUTLINE ON THE DEVELOPMENT PLAN.

13. DRAINAGE MUST BE COLLECTED AND RELEASED FROM A PROPOSED DEVELOPMENT AT THE LOCATIONS AND IN THE MANNER EXISTING PRIOR TO DEVELOPMENT.

14. DRAINAGE WAYS MUST BE PROVIDED WHERE NECESSARY TO CARRY DRAINAGE FLOWS THROUGH OR FROM THE DEVELOPMENT AND SUCH DRAINAGE WAYS MUST BE DEDICATED AND MAINTAINED BY PROPERTY OWNERS OR PROPERTY OWNER'S ASSOCIATION.

15. ALL DRAINAGE WAYS, DRAINAGE STRUCTURES AND DETENTION BASINS ARE PROVIDED WITH ADEQUATE MAINTENANCE ACCESS AND ARE INCLUDED AS PART OF ANY DRAINAGE EASEMENT.

16. DRAINAGE WAYS MUST BE DESIGNED TO NOT DISCHARGE ONTO PAVED STREETS. EASEMENTS OR PARKING AREAS.

17. PARKING AREAS MUST NOT BE USED AS DETENTION BASINS.

18. THE FOLLOWING LOTS ARE AFFECTED BY THE TOWN OF ORO VALLEY FLOODPLAIN REGULATIONS: 2,3,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,55,56,57,58,59,60,61,62. AND 64.

19. A FLOODPLAIN USE PERMIT AND/OR FINISHED FLOOR ELEVATION CERTIFICATES ARE REQUIRED FOR THE FOLLOWING LOTS: 2,3,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,55,56,57,58,59,60,61,62, AND 64.

	TWELL 0.4200 www.atwell-group.com 4700 E. SOUTHERN AVENUE MESA, AZ 85206 520.268.6322	PROFESSIONAL ENGINEERING
Know what's below. Call before you dig.	LOCATION DESCRIPTION A PORTION OF THE EAST HALF C QUARTER OF SECTION 12, TOWN RANGE 13 EAST,OF THE GILA AN AND MERIDIAN TOWN OF ORO V/ ARIZONA	ISHIP 12 SOUTH, D SALT RIVER BASE
FINAL SITE PLAN, GR	ADING PLAN AND PUBLIC SEWER	PM. M. PARK
	TREET IMPROVEMENT PLAN	DR. J.TURPIN
	RANJA TRAILS & COMMON AREAS A1 THROUGH C	JOB NO. 20000103
	ALLEY, PIMA COUNTY, ARIZONA	DATE. 04-01-2024
ORO VALLEY CASE No: 200	0939, 2002761, 2202968 2969, 2202970, 2301593	SHEET NO.
	END & NOTES	02 OF 23

- **GENERAL PAVING & GRADING NOTES**
- . ALL MATERIALS AND WORKMANSHIP ARE TO BE IN ACCORDANCE WITH PIMA ASSOCIATION OF GOVERNMENTS STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (PAG SSPI), EDITION OF 2015, EXCEPT AS MODIFIED HEREBY.
- 2. ALL CONSTRUCTION AND TESTING METHODS SHALL BE IN CONFORMANCE WITH PAG SSPI, EDITION OF 2015, EXCEPT AS MODIFIED HEREBY.
- 3. EXCAVATION AND BACKFILL FOR STRUCTURES SHALL CONFORM TO PAG SSPI, SECTION 203-5.
- 4. EARTHWORK, EXCEPT AS MODIFIED BY THE SOILS REPORT OF RECORD, SHALL CONFORM TO PAG SSPI SECTION 203.
- 5. AGGREGATE BASE COURSE SHALL CONFORM TO PAG SSPI, SECTION 303.
- 6. ASPHALTIC CONCRETE SHALL CONFORM TO PAG SSPI, SECTION 406, ASPHALTIC CONCRETE MIXTURE NO. 2 SPECIFICATIONS
- 7. ALL CONCRETE SHALL CONFORM TO PAG SSPI, SECTION 1006, CLASS S, 3,000 PSI COMPREHENSIVE STRENGTH AT 28 DAYS, UNLESS OTHERWISE SPECIFIED.
- 8. A STAMPED SET OF APPROVED PLANS SHALL BE KEPT IN AS EASILY ACCESSIBLE LOCATION ON THE JOB SITE AT ALL TIMES OR DURING CONSTRUCTION.
- 9. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS.
- 10. CONTRACTOR SHALL CALL BLUE STAKE (ARIZONA 811) TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION, A MINIMUM OF TWO (2) FULL WORKING DAYS PRIOR TO EXCAVATION.
- 11. CONTRACTOR SHALL OBTAIN PERMITS REQUIRED BY GOVERNMENTAL AGENCIES. 12. CONTRACTOR SHALL INSTALL STREET SIGNS IN ACCORDANCE WITH THE TOWN OF ORO VALLEY SUBDIVISION STREET STANDARDS - SIGNAGE POLICY.
- 13. PAVING CONTRACTOR SHALL ADJUST BOTH EXISTING AND NEW WATER VALVES, BOX COVERS, WATER METER BOXES, SANITARY SEWER MANHOLES AND CLEANOUT RINGS AND COVERS, TELEPHONE AND ELECTRIC MANHOLE RING AND COVERS TO THE NEW FINISHED GRADE.
- 14. UPON COMMENCEMENT OF WORK, TRAFFIC CONTROL DEVICES SHALL BE POSTED AND MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME AS THE WORK IS COMPLETED, ALL WARNING SIGNS, BARRICADES, ETC., SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES ADOPTED BY THE STATE OF ARIZONA PURSUANT TO A.R.S. 28-650.
- 15. IF UNANTICIPATED CONDITIONS ARE ENCOUNTERED DURING THE COURSE OF CONSTRUCTION AND ARE BEYOND THE SCOPE OF THE DESIGN, THE ENGINEER SHALL SUBMIT THE NECESSARY REVISED OR SUPPLEMENTAL IMPROVEMENT PLANS FOR REVIEW AND APPROVAL BY THE TOWN OF ORO VALLEY PRIOR TO SUCH **REVISIONS/CHANGES BEING MADE IN THE FIELD.**
- 16. ALL STATIONING SHOWN ON THE PLAN AND PROFILE ARE ALONG CONSTRUCTION CENTERLINE UNLESS OTHERWISE NOTED.
- 17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CARE AND MAINTENANCE OF EXISTING IMPROVEMENTS AND VEGETATION IN THE WORK AREA. PAVEMENT, CURBS, CART PATHS ANY OTHER OBSTRUCTIONS DAMAGED DURING CONSTRUCTION ARE TO BE REPLACED BY THE CONTRACTOR. ANY UNDERGROUND PIPES, IRRIGATION LINES, IRRIGATION CONTROLS, DRAINS, STRUCTURES, OR OBSTRUCTIONS NOT SHOWN ON THESE PLANS SHALL BE MOVED, ALTERED, OR REPAIRED BY THE CONTRACTOR WHEN ENCOUNTERED, AS DIRECTED BY THE ENGINEER AND IS A DEFINE PART OF THIS PROJECT.
- 18. ACCEPTANCE OF THESE PLANS DOES NOT CONSTITUTE OR IMPLY ACCEPTANCE OF ANY OF THE FOLLOWING:
 - a. WALL(S), RETAINING OR OTHER TYPE(S)
 - b. ANY REINFORCED CONCRETE STRUCTURE(S)
 - c. ANY EMBANKMENT(S) WHOSE PRIMARY PURPOSE IS TO FUNCTION AS A **RETENTION/DETENTION STRUCTURE**
- THE ITEMS LISTED ABOVE ARE APPROVED FOR LOCATION ONLY. SEPARATE PLAN CHECKS AND PERMITS ARE REQUIRED, ALL IN ACCORDANCE WITH THE APPLICABLE CODES OF THE TOWN OF ORO VALLEY.
- 19. THE CONTRACTOR SHALL GIVE FORTY-EIGHT (48) HOURS NOTICE WHEN THEY SHALL REQUIRE THE SERVICES OF THE ENGINEER OR ANY OTHER PERSON PROPERLY AUTHORIZED FOR SUCH PURPOSE FOR LAYING OUT ANY PORTION OF THE WORK. THEY SHALL ALSO DIG ALL STAKE HOLES NECESSARY TO GIVE LINE AND LEVELS AND SHALL PROVIDE ASSISTANCE CALLED FOR BY THE ENGINEER OR THEIR ASSISTANTS UPON ANY PART OF THE WORK WHENEVER SO REQUESTED, AND SHALL PRESERVE ALL STAKES SET FOR THE LINES, LEVELS OR MEASUREMENTS OF THE WORK IN THEIR PROPER PLACES UNTIL AUTHORIZED TO REMOVE THEM BY THE ENGINEERS. ANY EXPENSE INCURRED IN REPLACING ANY STAKES WHICH THE CONTRACTOR OR THEIR SUBORDINATES MAY HAVE FAILED TO PRESERVE SHALL BE CHARGED TO THE CONTRACTOR.
- 20.IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH, HAUL AND APPLY ALL WATER REQUIRED FOR COMPACTION AND FOR THE CONTROL OF DUST FROM CONSTRUCTION ACTIVITY. THE COST THEREOF IS TO BE INCLUDED IN THE GRADING CONSTRUCTION PRICE.
- 21.IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FULLY COMPLY WITH ADEQ STORMWATER POLLUTION PREVENTION PERMITS IN ACCORDANCE WITH THE REPORT AND POLLUTION PLANS PREPARED BY THE ENGINEER. THE COST THEREOF TO BE INCLUDED IN THE GRADING CONSTRUCTION PRICE.
- 22.BUILDING SITES SHALL BE CONSTRUCTED TO WITHIN 0.10 FEET OF FINISH BUILDING PAD ELEVATIONS AS STAKED BY THE ENGINEER. STREETS AND PARKING AREAS SHALL BE CONSTRUCTED TO WITHIN +0.10 FEET OF FINISH SUBGRADE AS STAKED BY THE ENGINEER.
- 23.A REPORT OF SOILS INVESTIGATION, INCLUDING RECOMMENDATIONS FOR GRADING PROCEDURES HAS BEEN PREPARED BY "GEOTECHTICAL ENGINEERING EVALUATION" DATED JULY 21, 2020, JOB # 20-P264. ALL EARTHWORK SHALL CONFORM TO THE RECOMMENDATIONS CONTAINED IN SAID REPORT AND ANY AMENDMENTS MADE THERETO.
- 24.THE SOILS ENGINEER SHALL OBSERVE, INSPECT AND TEST ALL CONSTRUCTION OPERATIONS, INCLUDING BUT NOT LIMITED TO: CLEARING, GRUBBING, SUBGRADE PREPARATION, STRUCTURAL, TRENCH EXCAVATION AND BACKFILL, MATERIAL TESTING, TOGETHER WITH PLACEMENT OF FILL. SAID ENGINEER SHALL CERTIFY IN WRITING, THAT ALL SOILS OPERATIONS AND MATERIALS USED FOR THIS DEVELOPMENT WERE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS AS SET FORTH IN THE GEOTECHNICAL INVESTIGATION OF RECORD AND ARE IN CONFORMANCE WITH THE ACCEPTED PLANS AND SPECIFICATIONS. CERTIFICATION. IN WRITING, IS TO BE RECEIVED BY THE TOWN OF ORO VALLEY PRIOR TO THE REQUEST FOR FINAL INSPECTION AND RELEASE OF ASSURANCES.
- 25. GRADING BOUNDARIES SHALL BE CLEARLY MARKED, AND ALL WORK WILL BE CONFINED TO APPROVED PROJECT LIMITS AS SHOWN ON THESE PLANS.
- 26.IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR THE SURVEYOR PROVIDING THE CONSTRUCTION LAYOUT TO VERIFY THE BENCHMARK AND COMPARE THE SITE CONDITIONS WITH THE PLANS AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES OBSERVED. SHOULD ANY BENCHMARK, GRADE OR DESIGN INDICATED ON THE PLANS BE SUSPECT, THE ENGINEER SHALL BE NOTIFIED OF SAID BENCHMARK, GRADE OR DESIGN PROBLEM AT LEAST TWENTY-FOUR HOURS BEFORE CONSTRUCTION IS SCHEDULED TO BEGIN ON THE AFFECTED AREA.

- 1. VERTICAL CONTROL "BASIS OF ELEVATION" 27.IT SHALL BE THE SOLE RESPONSIBILITY OF THE OWNER(S), THEIR SUCCESSORS OR 2. HORIZONTAL CONTROL - "BASIS OF BEARING" ASSIGNS, (AND/OR THEIR CONTRACTOR, THEIR SUCCESSORS OR ASSIGNS AS APPLICABLE) TO PURSUE ANY NEGOTIATIONS, OBTAIN ANY AGREEMENTS AND/OR ALL DESIGN STANDARDS, MATERIALS AND WORKMANSHIP FOR PUBLIC SANITARY SEWERS SHALL BE IN ACCORDANCE WITH PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT (PCRWRD) PERMITS, ETC., FROM ALL NECESSARY OWNERS, PRIVATE AND/OR GOVERNMENTAL ENGINEERING DESIGN STANDARDS 2016 (EDS 2016) AND THE STANDARD SPECIFICATIONS AND DETAILS AGENCIES IN CHARGE OF PROPERTIES AND/OR RIGHTS-OF-WAY ADJACENT TO (OR FOR CONSTRUCTION (SSDC 2016). SAID DOCUMENTS ARE AVAILABLE THROUGH THE PCRWRD WEBSITE (WWW.PIMA.GOV/WASTEWATERRECLAMATION). NEIGHBORING) THIS PROJECT, THAT MAY BE REQUIRED TO DO ANY WORK 4. SEWER PLANS THAT BEAR THE PIMA COUNTY DEVELOPMENT SERVICES DEPARTMENT (DSD) (CONSTRUCTION, ACCESS, MODIFICATIONS, GRADING, DRAINAGE, STRUCTURES, APPROVAL STAMP OR THE PIMA COUNTY RWRD ACCEPTANCE SIGNATURE SHALL ONLY BE USED FOR ROADS, ETC.) ENCROACHING OR AFFECTING - DIRECTLY OR INDIRECTLY - ON THESE THE CONSTRUCTION OF PUBLIC SANITARY SEWER FACILITIES. APPROVED PLANS REQUIRING DESIGN ADJACENT PROPERTIES AND RIGHTS-OF-WAY IN ANY CONCEIVABLE MANNER, REVISIONS SHALL BE RESUBMITTED TO PIMA COUNTY FOR REVIEW AND RE-APPROVAL PRIOR TO START OF THE REVISED SEWER WORK. REGARDLESS OF WHETHER OR NOT THIS WORK IS SHOWN OR DESCRIBED ON THESE PLANS (OR) ON THIS PLAT. 5. SEWER CONSTRUCTION SHALL NOT COMMENCE UNTIL: (A) THE ARIZONA DEPARTMENT OF
- ENVIRONMENTAL QUALITY (ADEQ) OR ITS DELEGATED AUTHORITY HAS ISSUED A CONSTRUCTION 28. THE PROFESSIONAL ENGINEER OF RECORD SHALL SUBMIT AS-BUILT RECORD AUTHORIZATION FOR THIS PROJECT; (B) THE CONTRACTOR HAS OBTAINED A PCRWRD PUBLIC SEWER DRAWINGS AND CERTIFY IN WRITING THAT ALL IMPROVEMENTS, WHETHER PRIVATE CONSTRUCTION PERMIT (CONTACT THE PCRWRD PERMITS SECTION AT (520) 724-6649 FOR PERMIT OR PUBLIC, HAVE BEEN CONSTRUCTED, PLACED, INSTALLED, ETC. IN SUBSTANTIAL APPLICATION REQUIREMENTS); (C) THE CONTRACTOR'S FLOW MANAGEMENT PLAN HAS BEEN CONFORMANCE WITH THE ACCEPTED PLANS FOR THIS DEVELOPMENT. SUBMITTED THIRTY (30) CALENDAR DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING AND APPROVED BY PCRWRD FIELD ENGINEERING; AND (D) A PRE-CONSTRUCTION MEETING WITH THE CERTIFICATIONS IN WRITING AND THE AS-BUILT RECORD DRAWINGS ARE TO BE ASSIGNED PIMA COUNTY PROJECT FIELD INSPECTOR IS SCHEDULED AT LEAST THREE (3) FULL RECEIVED BY THE TOWN OF ORO VALLEY A MINIMUM OF TWO (2) WEEKS PRIOR TO BUSINESS DAYS PRIOR TO COMMENCING WITH SEWER CONSTRUCTION THE REQUEST FOR CERTIFICATES OF OCCUPANCY AND/OR FINAL INSPECTION BY THE DEPARTMENT OF PUBLIC WORKS AND THE RELEASE OF ASSURANCES, EXCEPT 6. IMMEDIATELY REPORT ANY OF THE FOLLOWING TO THE PCRWRD OPERATIONS CONTROL CENTER (OCC) AT (520) 724-6500; ANY RELEASE OF SEWAGE, ANY DAMAGE TO PUBLIC SANITARY SEWER FOR MODEL HOMES INTENDED TO BE USED FOR SALES PURPOSES. IF THE PROJECT SYSTEM, OR THE DROPPING OF DEBRIS INTO A PUBLIC SANITARY SEWER MANHOLE. A PCRWRD IS PHASED THE ABOVE PERTAINS TO EACH PHASE.
- 29. THE TOWN OF ORO VALLEY WILL, UPON RECEIPT OF ALL NECESSARY CERTIFICATIONS AS OUTLINED ON THE IMPROVEMENT PLANS AND FINAL PLAT, PERFORM A FIELD REVIEW OF THE DEVELOPMENT. FIELD CONDITIONS, DESIGN OVERSIGHTS, ETC., MAY REQUIRE ADDITIONAL WORK AND/OR IMPROVEMENTS AS A RESULT OF SAID REVIEW.
- CONSTRUCTION.
- SHALL REPAIR ALL DAMAGE AS DIRECTED AND APPROVED BY A PCRWRD FIELD REPRESENTATIVE. 7. STORM WATER AND SEDIMENT CONTROL MEASURES SHALL BE PROPERLY INSTALLED TO PROTECT PCRWRD MANHOLES AT THE BEGINNING OF CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONSTANTLY MAINTAIN STORM WATER AND SEDIMENT CONTROL MEASURES THAT PROTECT PCRWRD FACILITIES UNDER ALL CONDITIONS FOR THE DURATION OF THE PROJECT. UNDER SUBMITTED TO THE TOWN ENGINEER'S OFFICE FOR REVIEW AND APPROVAL PRIOR NO CIRCUMSTANCES SHALL THE CONTRACTOR ALLOW STORM WATER, SEDIMENT, OR POTENTIAL TO SUCH CHANGES BEING MADE IN THE FIELD. POLLUTANTS FROM A CONSTRUCTION SITE TO ENTER A PCRWRD MANHOLE. THE CONTRACTOR SHALL ENSURE THAT THEIR FLOW MANAGEMENT OPERATIONS INCLUDE CONTROLS TO PREVENT ANY INTRODUCTION OF STORM WATER, SEDIMENT, OR POLLUTANTS INTO THE PUBLIC SANITARY SEWER SYSTEM. FAILURE TO CONFORM TO THESE REQUIREMENTS SHALL RESULT IN CANCELLATION OF THE STRUCTURES ARE LOCATED.
- 30.ALL EASEMENTS MUST BE ACQUIRED BY OWNER/BUILDER PRIOR TO 31.ANY PROPOSED REVISION OR MODIFICATION TO THIS APPROVED PLAN SHALL BE 32.ALL TRAIL ALIGNMENTS MUST BE FIELD VERIFIED & DEDICATED BY FINAL PLAT. 33. LANDSCAPING SHALL BE LIMITED IN AREAS WHERE STORM DRAIN PIPES AND
- SEWER CONSTRUCTION PERMIT. 34.ALL ARCHAEOLOGICAL MITIGATION SHALL BE APPROVED AND IMPLEMENTED TO THE B. SPECIAL CARE SHALL BE TAKEN TO ENSURE DESIGN SLOPES ARE MAINTAINED. SEWERS SATISFACTION OF THE PLANNING AND ZONING ADMINISTRATION PRIOR TO CONSTRUCTED AT INSUFFICIENT SLOPES WILL NOT BE ACCEPTED BY PCRWRD FIELD ENGINEERING ISSUANCE OF ANY GRADING PERMITS BY THE TOWN. AND/OR ADEQ. CORRECTIVE ACTION, INCLUDING RE-CONSTRUCTION OF THE SEWER(S), WILL BE AT THE SOLE EXPENSE OF THE PROJECT OWNER/CONTRACTOR. 35.ALL WORK SHALL BE IN CONFORMANCE TO GRADING STANDARDS, CHAPTER

- 9. THE CONTRACTOR SHALL ADJUST OR RECONSTRUCT ALL SANITARY SEWER MANHOLES TO FINISHED 27-SECTION 27.9 OF THE ORO VALLEY ZONING CODE REVISED, YEAR 2005. GRADE. ALL FRAMES AND COVER ADJUSTMENTS SHALL BE IN ACCORDANCE WITH PCRWRD SSDC 2016, COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT STANDARDS. 36.ALL GENERAL NOTES, SITE DESIGN, AND CONDITIONS OF OV1600017 FINAL SITE DETAIL NOS. RWRD 211, 212, 304 OR 305 (AS APPLICABLE). THE CONTRACTOR SHALL PROTECT THE 30.ALL ONSITE SANITARY SEWERS WILL BE DESIGNED TO PROVIDE GRAVITY FLOW PLAN BENCH AND FLOW CHANNELS WITH A COVER PER PCRWRD SSDC 2016, DETAIL NO. RWRD 306. PRIOR TO COMMENCING ANY WORK TO THE MANHOLE AND REMOVE THE COVER AFTER ALL WORK IS AND LANDSCAPE PLAN APPROVAL APPLY. IN THE FLOOD ZONE SHALL REQUIRE SPECIAL DESIGN. COMPLETED. THE CONTRACTOR SHALL ENSURE THAT FRAMES AND COVERS ARE CLEAN AND FREE 37.ALL EXPOSED CUT SLOPES SHALL BE TREATED WITH A RESTORATIVE AGENT AND FROM ANY AND ALL ATTACHED MATERIALS (ASPHALT, CONCRETE, ETC.) AND THAT ALL VENT HOLES 32.IN ACCORDANCE WITH R18-9-E301(D)(3)(D) MANHOLE COVERS ARE DESIGNED TO RESTRICT OR REVEGETATED TO REFLECT EXISTING NATIVE VEGETATION AND DENSITIES IN ARE OPEN AND CLEAR OF OBSTRUCTIONS, AS APPROVED BY THE PCRWRD FIELD ENGINEER. EXISTING ADJACENT NATURAL AREAS. ALL AREAS OF DISTURBANCE SHALL BE RECONTOURED FRAMES AND/OR COVERS THAT ARE DAMAGED OR CANNOT BE COMPLETELY CLEANED SHALL BE 33.IN ACCORDANCE WITH R18-9-E301(D)(2)(I) FLEXIBLE GRAVITY SEWER LINES MUST BE REPLACED WITH A NEW FRAME AND COVER IN ACCORDANCE WITH PCRWRD SSDC 2016, DETAIL NO. TO MIMIC EXISTING GRADES, PER THE APPROVED GRADING EXCEPTION. DELINEATION-TESTED. RWRD 213 - 218. COSTS ASSOCIATED WITH EXISTING FRAMES AND COVERS THAT ARE LOST OR DAMAGED DUE TO THE CONTRACTORS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

PUBLIC SEWER NOTES

REPRESENTATIVE WILL BE DISPATCHED TO THE SITE. THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO CONTAIN A SANITARY SEWER OVERFLOW (SSO). THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS TO REPAIR THE SYSTEM, MITIGATE THE RELEASE OF SEWAGE, DISINFECT THE RELEASE AREAS, AND ANY REGULATORY PENALTIES LEVIED ON PCRWRD FOR SEWAGE ENTERING A NATURAL DRAINAGE WAY OR STORM WATER DRAINAGE SYSTEM. THE CONTRACTOR

- 10. ANY CONSTRUCTION ACTIVITY HAVING THE POTENTIAL TO DAMAGE EXISTING PUBLIC SANITARY SEWERS OR ANY ACTIVITY THAT REQUIRES MATERIALS OR EQUIPMENT TO ENTER EXISTING PUBLIC SANITARY SEWERS SHALL REQUIRE A PIMA COUNTY RWRD SEWER CONSTRUCTION PERMIT PRIOR TO COMMENCING THAT ACTIVITY.
- 11. THE CONTRACTOR SHALL SUBMIT A FLOW MANAGEMENT PLAN (FMP) TO PCRWRD FIELD ENGINEERING FOR APPROVAL BEFORE PROCEEDING WITH ANY WORK THAT MAY AFFECT LIVE SEWERS. THE FMP SHALL IDENTIFY AND INCLUDE ALL FLOW MANAGEMENT COSTS IN THE CONSTRUCTION BID. THE FMP SHALL BE SUBMITTED THIRTY (30) CALENDAR DAYS PRIOR TO THE SEWER PRE-CONSTRUCTION MEETING. FIELD ENGINEERING WILL REVIEW THE FMP WITHIN TEN (10) BUSINESS DAYS TO ACCOMMODATE REVIEW AND REVISION CYCLES. REFER TO PCRWRD SSDC 2016, SECTION 2 FOR FMP REQUIREMENTS. PLEASE CONTACT PCRWRD FIELD ENGINEERING AT (520) 724-2651 FOR ANY QUESTIONS REGARDING FLOW MANAGEMENT.
- 12. THE CONTRACTOR SHALL FURNISH, OPERATE AND MAINTAIN ALL EQUIPMENT AND LABOR NECESSARY TO PROVIDE CONTINUOUS 24 HOURS PER DAY SANITARY SEWER SERVICE TO ALL PARTIES TRIBUTARY TO A LIVE SEWER TO WHICH A CONNECTION IS TO BE MADE. THE PCRWRD CONVEYANCE DIVISION SHALL BE NOTIFIED AT (520) 724-3400 A MINIMUM OF TWO (2) BUSINESS DAYS PRIOR TO COMMENCING ANY CONSTRUCTION ACTIVITIES THAT IMPACTS THE FLOW WITHIN A LIVE SANITARY SEWER SYSTEM OR INVOLVES CONNECTING TO A LIVE SANITARY SEWER. SEE PCRWRD SSDC 2016, SECTION 2 FOR MOR INFORMATION.
- 13. THE INSPECTION OF THE CONTRACTOR'S WORK BY AN AGENCY AND/OR PCRWRD STAFF SHALL IN NO WAY RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR COMPLIANCE WITH THE REQUIREMENTS OF THE APPROVED CONTRACT DOCUMENTS. IF THE DESIGN ENGINEER OR PCRWRD STAFF FAIL TO POINT OUT A DEFECT, DEFICIENCY OR ERROR IN THE WORK FROM LACK OF DISCOVERY OR ANY OTHER REASON, IT SHALL IN NO WAY PREVENT LATER REJECTION OR RELIEVE THE CONTRACTOR OF PERFORMING CORRECTIONS TO THE UNSATISFACTORY WORK WHEN DISCOVERED. THE CONTRACTOR SHALL NOT FILE A CLAIM FOR LOSSES SUFFERED DUE TO ANY NECESSARY REMOVALS OR REPAIRS RESULTING FROM THE UNSATISFACTORY WORK.
- 14. ANY SEWER CONSTRUCTION WORK THAT IS NOT INCLUDED IN THE APPROVED SEWER PLANS WILL NOT BE ACCEPTED BY PCRWRD. SEE PCRWRD SSDC 2016, SECTION 1.4.5 REGARDING THE APPROVAL OF FIELD CHANGES.
- 15. THE CONTRACTOR SHALL CONTACT "ARIZONA 811" (DIAL 811 OR 1-800-782-5348) A MINIMUM OF TWO (2) BUSINESS DAYS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL KEEP ALL UNDERGROUND FACILITY LOCATION REQUESTS UP-TO-DATE AND COMPLY WITH ARIZONA STATURES (A.R.S.), TITLE 40, CHAPTER 1, ARTICLE 6.3, SECTION 40-360.22. CONCERNS REGARDING THE ACCURACTY BETWEEN THE UNDERGROUND FACITILITY MARKINGS AND THE PROJECT PLANS SHALL BE IMMEDIATELY REPORTED TO THE DESIGN ENGINEER.
- 16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL SANITARY SEWER MANHOLES AT ALL TIMES. 17. THE CONTRACTOR SHALL FIELD-VERIFY EXISTING SEWER LINE ELEVATIONS AND ALIGNMENTS PRIOR TO CONSTRUCTION. VERIFICATION MAY REQUIRE POT-HOLING.
- 18. ANY HOUSE CONNECTION SEWER (HCS) OR BUSINESS CONNECTION SEWER (BCS) LINES ENCOUNTERED DURING CONSTRUCTION SHALL BE PROTECTED, REPAIRED, OR REROUTED, AS THE SITUATION DICTATES, PER PCRWRD SSDC 2016 DETAIL NO. RWRD 400 AND AT NO EXPENSE TO THE PROPERTY OWNER OR PCRWRD. HCS AND BCS LINES ARE NOT OWNED OR MAINTAINED BY PCRWRD. PRIVATE CONNECTION SEWERS CONSTRUCTED PRIOR TO JANUARY 2006 ARE NOT REQUIRED TO BE LOCATED AND MARKED.
- 19. SURVEY LAYOUT AND SURVEY CONTROL SHALL BE PERFORMED BY, OR UNDER THE DIRECT SUPERVISION OF AN ARIZONA RLS.
- 20.SURVEY CUT SHEETS SHALL BE PREPARED IN ACCORDANCE WITH PCRWRD SSDC 2016, SECTION 3.2.3(A)(I). CERTIFIED CUT SHEETS SHALL BE SUBMITTED TO THE PCRWRD FIELD ENGINEER PRIOR TO COMMENCEMENT OF SEWER CONSTRUCTION. CUT SHEETS ARE FOR PCRWRD REFERENCE ONLY AND SHALL NOT DELAY SEWER CONSTRUCTION DUE TO REVIEW OF THE DELIVERABLE. ANY ERRORS OR OMISSIONS RESULTING IN IMPROPER SEWER CONSTRUCTION SHALL NOT BE THE RESPONSIBILITY OF PCRWRD. REFER TO PCRWRD SSDC 2016, SECTION 3.2.3(A)(II) FOR CONSTRUCTION SURVEY STAKING REQUIREMENTS.

- ELECTRONIC VERSION, OF THE AS-BUILT SEWER PLANS TO THE PCRWRD FIELD ENGINEER.
- DISCHARGE BY PCRWRD AND ADEQ, OR IT'S DELEGATE, PRIOR TO DISCHARGING INTO THE EXISTING PUBLIC SANITARY SEWER SYSTEM.
- 23. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS AT ALL TIMES.
- RIGHT-OF-WAY AGENCY HAVING JURISDICTION.
- 2016. DETAIL NO. RWRD 108.
- IN PCRWRD EDS 2016, SECTION 7.7 AND PCRWRD SSDC 2016, DETAIL NO. RWRD 111.
- GROUPS.
- PVC GRAVITY SEWER MAINS, ETC.).
- 35.IN ACCORDANCE WITH R18-9-E301(D)(2)(K) SEWER LINES WILL HAVE A UNIFORM SLOPE TEST
- FEET.
- 39. THE FOLLOWING LOTS WILL REQUIRE BACKWATER VALVES:

GENERAL SIGNING NOTES

- TRAFFIC SIGNING DESIGN MANUAL (FIRST EDITION), THE CURRENT SUPPLEMENTAL SPECIFICATIONS, THESE PLANS AND THE SPECIAL PROVISIONS.
- THE ENGINEER.
- 3 POST LENGTHS.
- ENGINEER.
- SIGN LOCATIONS WITH THE ENGINEER PRIOR TO THE INSTALLATION OF ALL SIGNS.
- AND FOR INSTALLING ALL TRAFFIC SIGNS IN THE FIELD.
- GRADE SHEETING.
- 8. ALL NEW SIGNS SHALL HAVE ALUMINUM BACKING, UNLESS OTHERWISE SPECIFIED.
- 9. ANY SALVAGED SIGN THAT IS TO BE REUSED SHALL BE TEMPORARILY STORED IN A SAFE LOCATION UNTIL REINSTALLATION.
- THE POSTED SPEED LIMIT FOR NARANJA DRIVE IS: 45 M.P.H.
- 11. FINAL INSPECTION/ACCEPTANCE OF SIGNING SHALL BE PERFORMED BY THE ENGINEER.

21. THE DEVELOPER OR CONTRACTOR SHALL RETAIN AN ARIZONA-REGISTERED LAND SURVEYOR (RLS) FOR PREPARATION OF THE SEWER AS-BUILT PLANS. SEWER AS-BUILT PLANS SHALL CONFORM TO SSDC 2016, SECTION 1.4.7 AND ARE REQUIRED FOR FINAL ACCEPTANCE OF SEWER CONSTRUCTION BY PCRWRD. THE DEVELOPER OR CONTRACTOR SHALL SUBMIT TWO FULL-SIZE COPIES, AND AN 22.NEW PUBLIC SANITARY SEWER FACILITIES MUST BE TESTED, INSPECTED AND AUTHORIZED FOR

24.PRIOR TO THE INSTALLATION OF SANITARY SEWERS, ALL ROUGH GRADING, INCLUDING FILL, SHALL BE COMPLETED TO A MINIMUM OF 4 FEET OVER THE TOP OF THE SEWER PIPE. BEDDING, SHADING, AND TRENCH BACKFILL COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH PCRWRD SSDC 2016, DETAIL NO. RWRD 104, OR AS SHOWN ON THE PLANS. SHOULD GROUND WATER OR UNANTICIPATED SOIL CONDITIONS BE ENCOUNTERED, THE BEDDING SHALL BE MODIFIED BY THE DESIGN ENGINEER AND APPROVED BY THE PCRWRD FIELD ENGINEER. WHEN THE NEW SEWER IS LOCATED WITHIN A PUBLIC SEWER EASEMENT, COMPACTION OF BACKFILL SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS OR AS OTHERWISE DIRECTED BY PCRWRD. WHEN THE NEW SEWER IS LOCATED WITHIN RIGHT-OF-WAY, COMPACTION OF BACKFILL SHALL BE IN ACCORDANCE WITH THE

25. SANITARY SEWER CONSTRUCTION SHALL START AT THE LOWEST DOWNSTREAM POINT AND PROCEED UPSTREAM, REGARDLESS OF THE STATIONING SHOWN ON THE PLANS. IF CONSTRUCTION CANNOT BE PERFORMED IN THIS MANNER. THE CONTRACTOR SHALL PROVIDE AN OUT-OF-SEQUENCE LETTER FOR APPROVAL BY THE PCRWRD FIELD ENGINEER PRIOR TO THE START OF SEWER CONSTRUCTION.

26. THE HORIZONTAL AND VERTICAL SEPARATIONS BETWEEN PUBLIC WATER MAINS AND PUBLIC SEWER LINES SHALL COMPLY WITH ARIZONA ADMINSTRATIVE CODE (A.A.C.) R18-5-502 AND PCRWRD SSDC

27.PLANTING WITHIN PUBLIC SEWER EASEMENTS SHALL ONLY BE ALLOWED WITH SPECIAL APPROVAL TREES AND BRANCHES OR ROOTS HAVING THE POTENTIAL TO EXTEND INTO PUBLIC SEWER EASEMENTS SHALL BE AVOIDED. IN SPECIAL CASES, WHERE THE PUBLIC SEWERS MUST BE LOCATED OUTSIDE PAVED OR STABILIZED AREAS, LANDSCAPING AND PLANTING SHALL ADHERE TO GUIDELINES

28.ALL PROJECT ACTIVITIES MUST BE KEPT WITHIN THE PROJECT AREAS. CONCERNING HUMAN BURIAL REMAINS, ARCHAEOLOGICAL CLEARANCE RECOMMENDATIONS DO NOT EXEMPT THE DEVELOPMENT FROM COMPLYING WITH STATE BURIAL PROTECTION LAWS. IN THE EVENT THAT HUMAN REMAINS, INCLUDING HUMAN SKELETAL REMAINS, CREMATIONS, CEREMONIAL OBJECTS OR FUNERARY OBJECTS, ARE FOUND DURING EXCAVATION OR CONTRUCTION, GROUND DISTURBING ACTIVITIES MUST CEASE IN THE IMMEDIATE VICINITY OF THE DISCOVERY. ARIZONA STATE LAWS A.R.S. 41-844 AND 41-865 REQUIRE THAT THE ARIZONA STATE MUSEUM BE NOTIFIED OF THE DISCOVERY AT (520) 621-4795 SO THAT CULTURAL GROUPS WHO CLAIM CULTURAL OR RELIGIOUS AFFINITY TO THE REMAINS CAN MAKE APPROPRIATE ARRANGEMENTS FOR THE REPATRIATION AND REBURIAL OF THE REMAINS. THE HUMAN REMAINS WILL BE REMOVED FROM THE SITE BY A PROFESSIONAL ARCHAEOLOGIST PENDING CONSULTATION AND REVIEW BY THE ARIZONA STATE MUSEUM AND THE CONCERNED CULTURAL

29.ONSITE SANITARY SEWERS WILL BE PUBLIC AND WILL BE DESIGNED AND CONSTRUCTED TO PIMA

31.IN ACCORDANCE WITH R18-9-E301(D)(2)(C) SEWER LINES AND RELATED PARTS CROSSING OR LOCATED

ELIMINATE STORM WATER RUNOFF IN AREAS SUBJECTED TO MORE THAN INCIDENTAL RAINFALL.

34.IN ACCORDANCE WITH R18-9-E301(D)(2)(J) SEWER LINES MUST BE LEAKAGE-TESTED (ASTM F1417 FOR

36.IN ACCORDANCE WITH R18-9-E301(D)(3)(E) MANHOLES SHALL BE LEAKAGE TESTED PER ASTM C1244. 37.IN ACCORDANCE WITH R18-9-E301(D)(1)(D) THE PROPOSED SEWER COLLECTION SYSTEM AND DRINKING WATER SYSTEM COMPONENTS SHALL MEET SEPARATION REQUIREMENTS PER 18 A.A.C., ARTICLE 5. 38.IN ACCORDANCE WITH R18-9-E301(D)(2)(B) THE MINIMUM SEWER BURIAL DEPTH SHALL BE 3 (THREE)

ALL SIGNS SHALL BE IN COMPLIANCE WITH THE 2009 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2020 EDITION OF THE PIMA COUNTY AND CITY OF TUCSON

SIGNS MAY BE MODIFIED AND LOCATIONS ADJUSTED TO FIT CONDITIONS AS DIRECTED BY

POST LENGTHS INDICATED ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ACTUAL

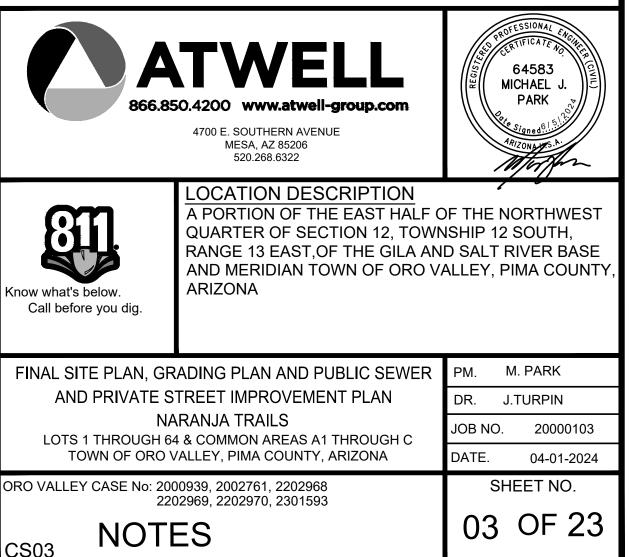
ALL NEW AND EXISTING SIGNS SHALL BE INSTALLED ON PERFORATED POST (SQUARE) AND SHALL BE INSTALLED IN A CONCRETE FOUNDATION, UNLESS OTHERWISE DIRECTED BY THE

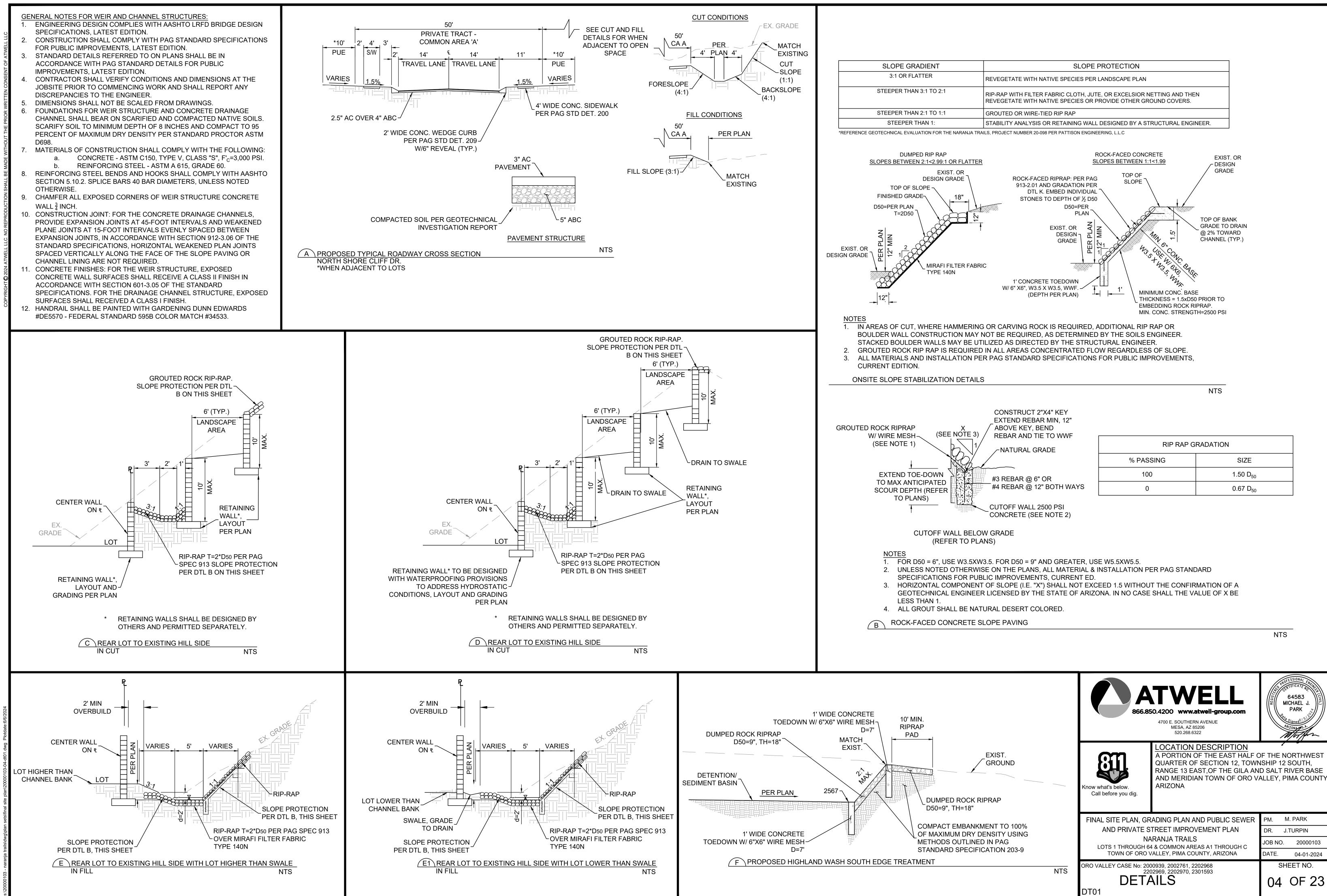
ALL SIGN STATION LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ACTUAL

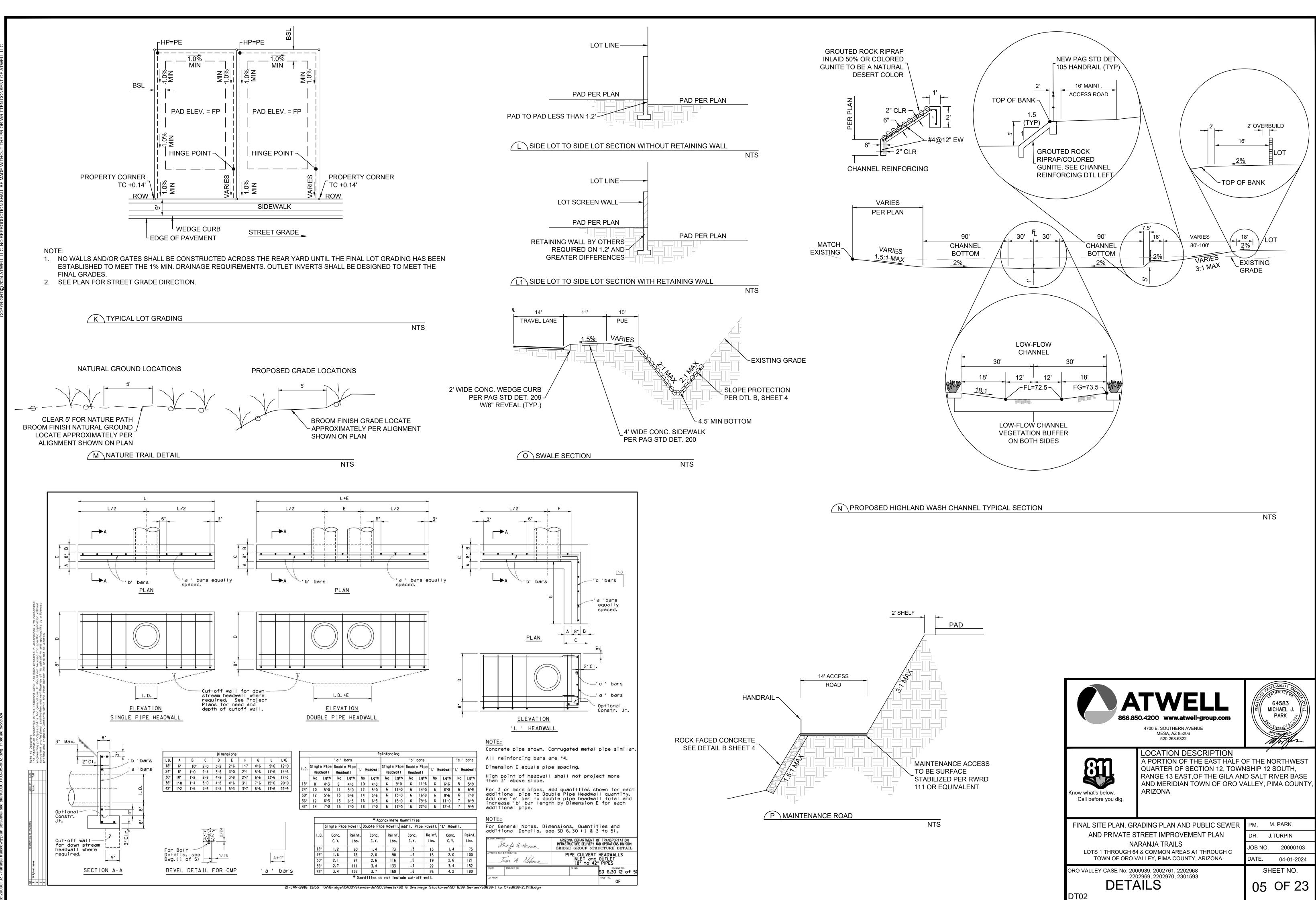
THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH BLUE STAKE

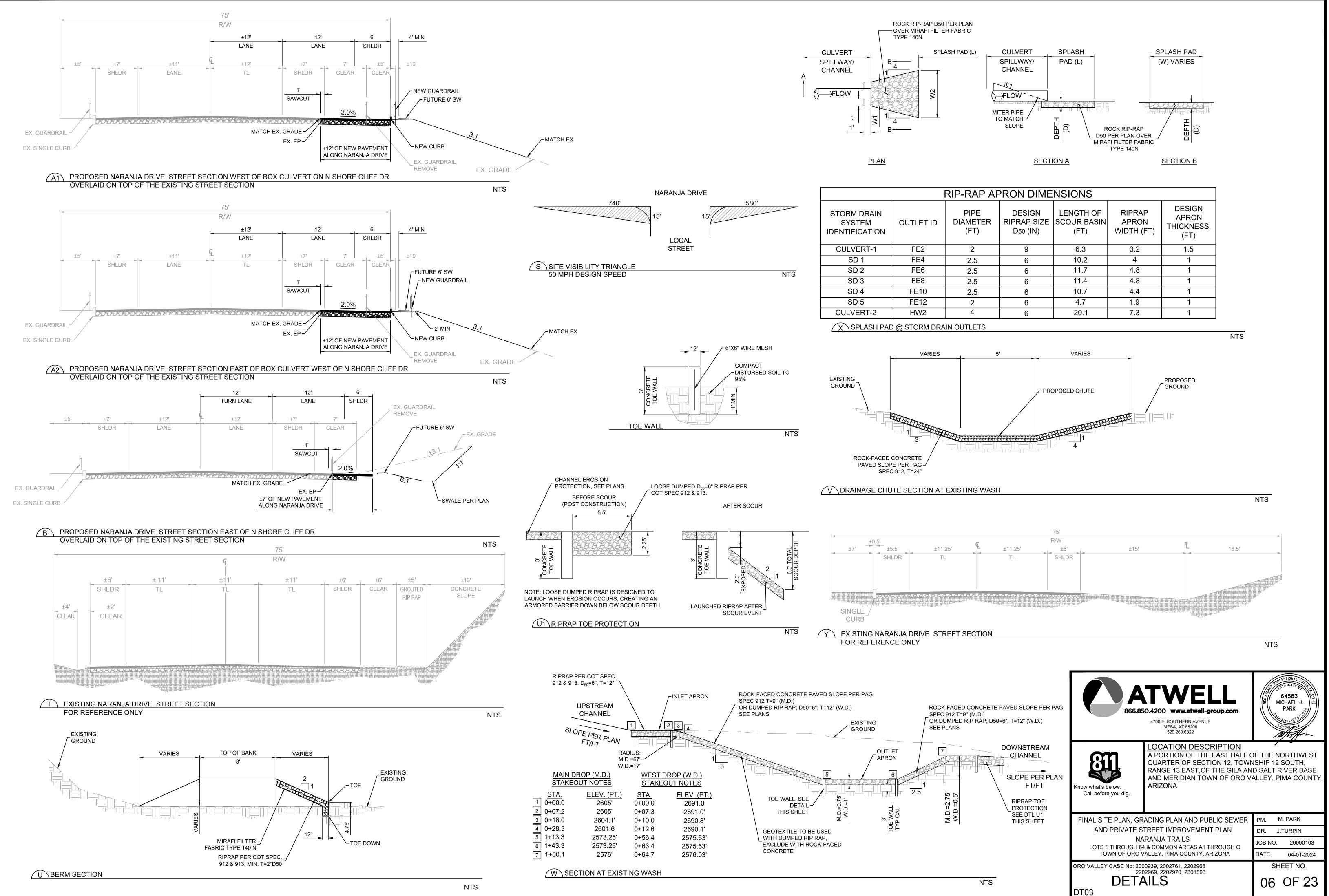
SPEED LIMIT SIGNS AND STOP SIGNS SHALL BE TYPE IX (DIAMOND GRADE) SHEETING. ALL OTHER WARNING AND REGULATORY SIGNS SHALL BE TYPE III (HIGH INTENSITY) SHEETING UNLESS OTHERWISE DETERMINED BY THE JURISDICTION ENGINEER. STREET NAME SIGNS (D3) SHALL BE FABRICATED USING TYPE III (HIGH INTENSITY) SHEETING AND ADVANCE STREET NAME SIGNS (TE9) SHALL BE FABRICATED USING TYPE III SHEETING. NO PARKING SIGNS SHALL BE TYPE II SHEETING. ALL SCHOOL ZONE SIGNS SHALL BE FLUORESCENT YELLOW-GREEN, DIAMOND GRADE SHEETING. ALL OVERHEAD SIGNS SHALL BE DIAMOND

10. THE DESIGN SPEED FOR THIS DEVELOPMENT IS: 25 M.P.H. AND THE DESIGN VEHICLE IS: SU-30

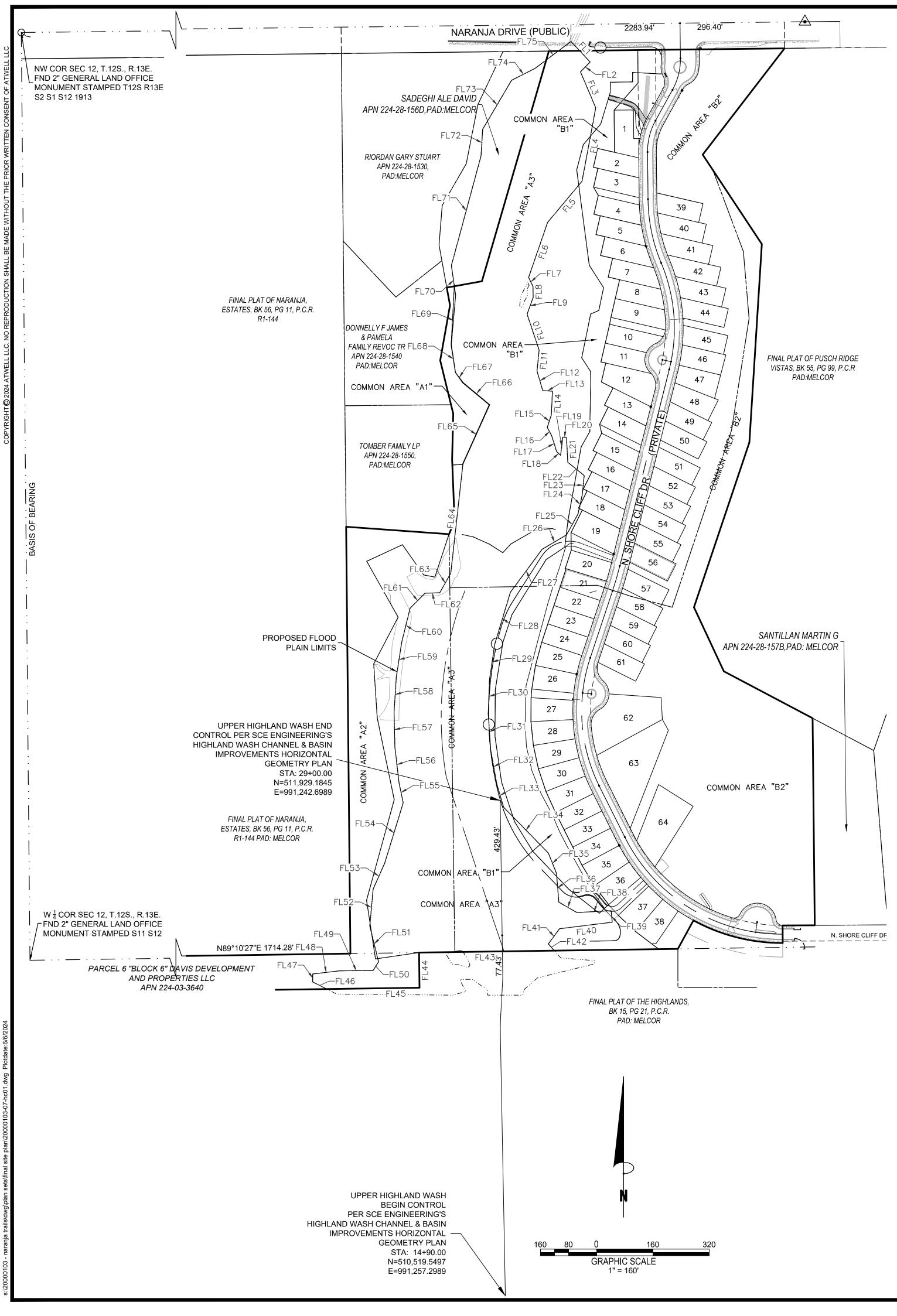


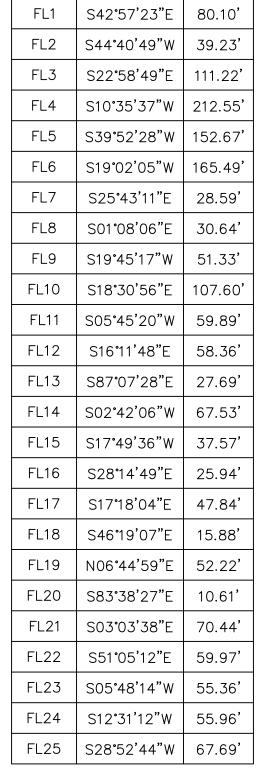






	RIP-RAP APRON DIMENSIONS										
et id	PIPE DIAMETER (FT)	DESIGN RIPRAP SIZE D50 (IN)	LENGTH OF SCOUR BASIN (FT)	RIPRAP APRON WIDTH (FT)	DESIGN APRON THICKNESS, (FT)						
2	2	9	6.3	3.2	1.5						
4	2.5	6	10.2	4	1						
6	2.5	6	11.7	4.8	1						
8	2.5	6	11.4	4.8	1						
0	2.5	6	10.7	4.4	1						
12	2	6	4.7	1.9	1						
/2	4	6	20.1	7.3	1						



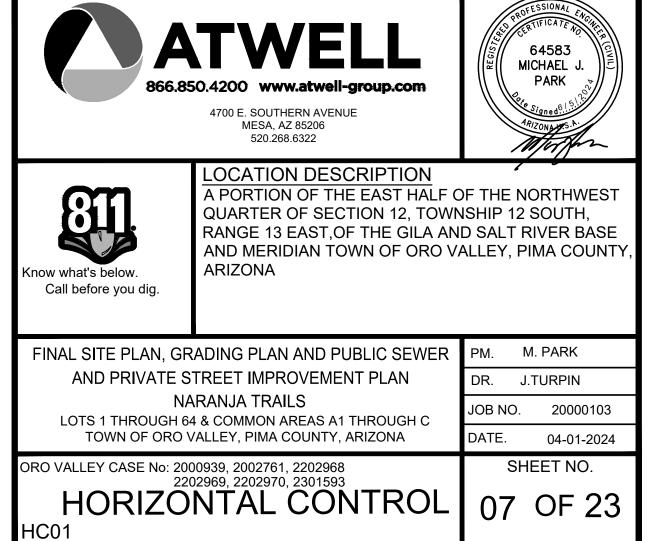


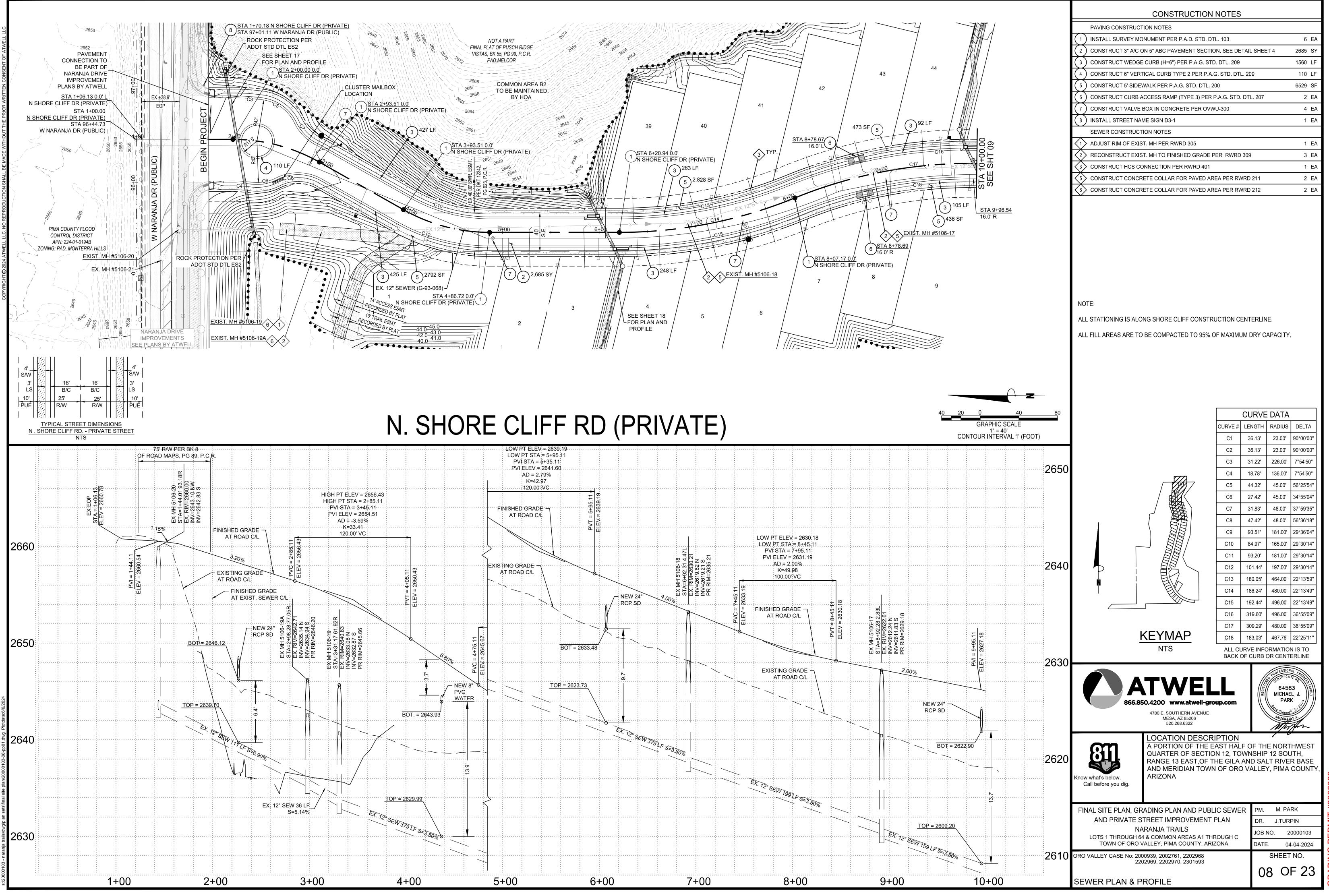
LINE TABLE

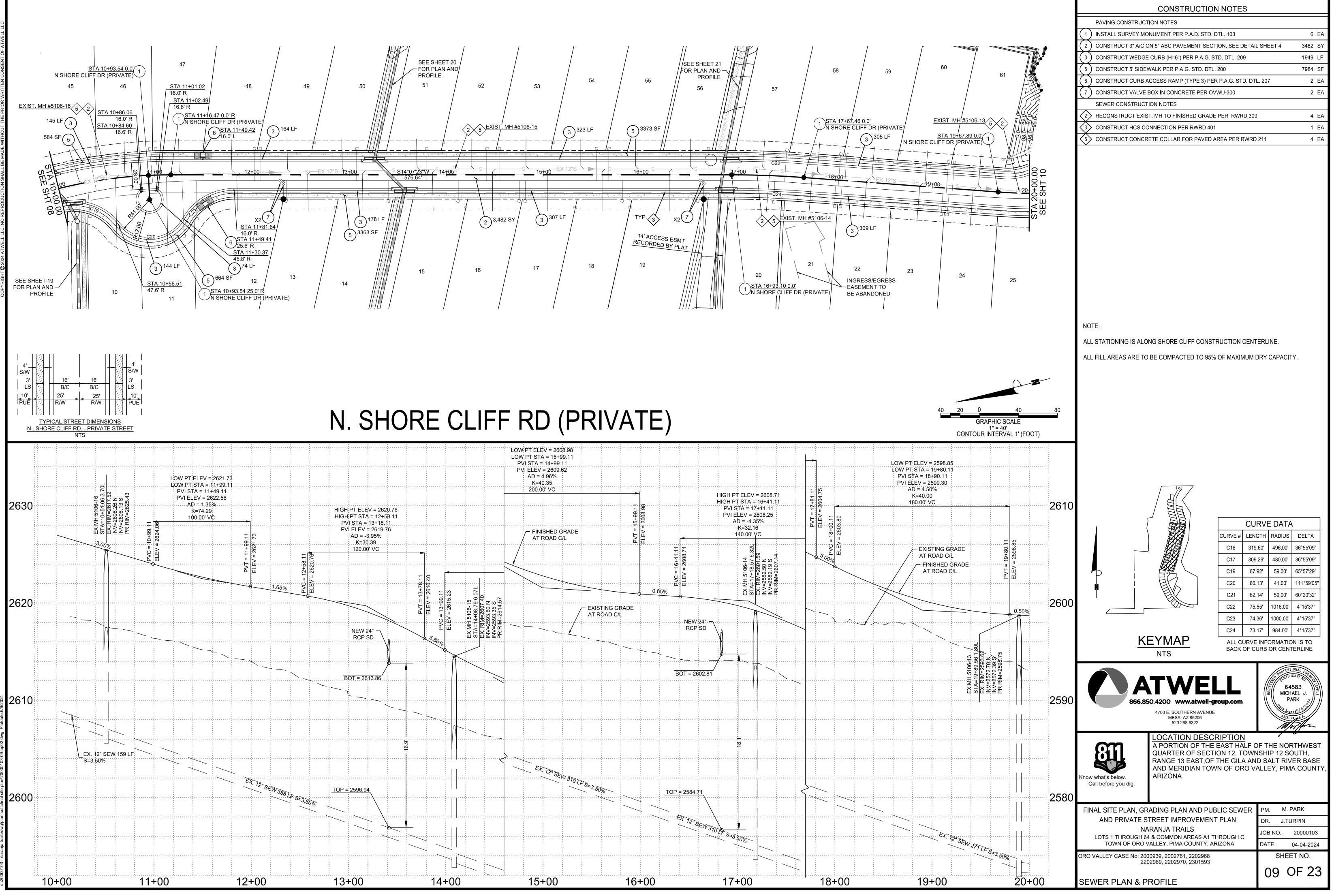
LINE # DIRECTION LENGTH

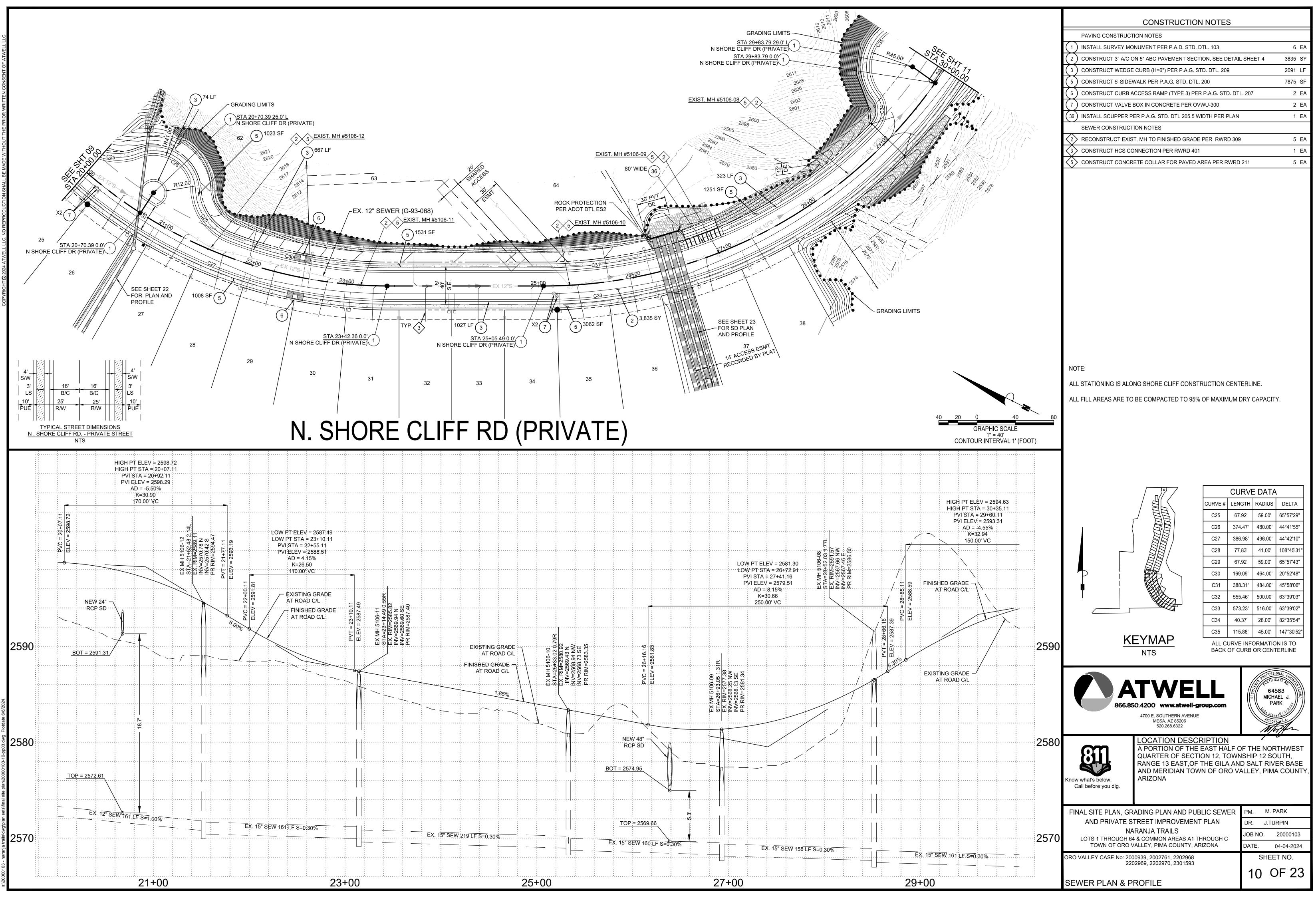
LINE TABLE								
LINE #	DIRECTION	LENGTH						
FL26	S59°26'29"W	80.39'						
FL27	S36°27'13"W	152.06'						
FL28	S16°45'16"W	154.86'						
FL29	S08°24'04"W	99.96'						
FL30	S02°14'05"W	99.26'						
FL31	S03°55'55"E	102.10'						
FL32	S10°05'54"E	98.03'						
FL33	S16°15'54"E	69.80'						
FL34	S44°18'07"E	182.51'						
FL35	S21°46'00"E	62.58'						
FL36	S04°31'00"E	81.71'						
FL37	S60°13'32"E	59.19'						
FL38	N87°02'27"E	97.76'						
FL39	S05°07'15"E	32.83'						
FL40	S82°57'47"W	150.98'						
FL41	S36°26'42"W	53.68'						
FL42	S41°24'25"E	25.64'						
FL43	S89"10'27"W	375.05'						
FL44	S00°38'05"E	100.00'						
FL45	S89"10'27"W	134.64'						
FL46	N63°05'10"W	45.12'						
FL47	N00°46'47"E	22.55'						
FL48	N83°22'25"E	76.54'						
FL49	N89°26'22"E	95.54'						
FL50	N32°19'12"E	29.16'						

	LINE TABLE	
LINE #	DIRECTION	LENGTH
FL51	N13°40'55"W	105.29'
FL52	N05°11'18"E	105.29'
FL53	N24°03'31"E	80.87'
FL54	N17°02'34"E	179.35'
FL55	N11°40'44"W	60.26'
FL56	N06°32'59"W	100.00'
FL57	N01°25'14"W	100.00'
FL58	N03°42'31"E	100.00'
FL59	N08°48'06"E	100.00'
FL60	N13°53'41"E	100.00'
FL61	N44°50'33"E	60.24'
FL62	N88°36'12"E	41.69'
FL63	N29°25'56"E	63.98'
FL64	N06°20'41"E	312.06'
FL65	N24°16'09"E	185.73'
FL66	N50°13'20"W	98.29'
FL67	N37°00'43"W	36.63'
FL68	N08°54'50"W	77.42'
FL69	N05°01'00"E	143.81'
FL70	N08°09'57"W	85.12'
FL71	N15°08'04"E	323.32'
FL72	N03°27'53"E	75.57'
FL73	N30°31'28"E	162.02'
FL74	N63°02'36"E	75.45'
FL75	N53°05'34"E	127.22'

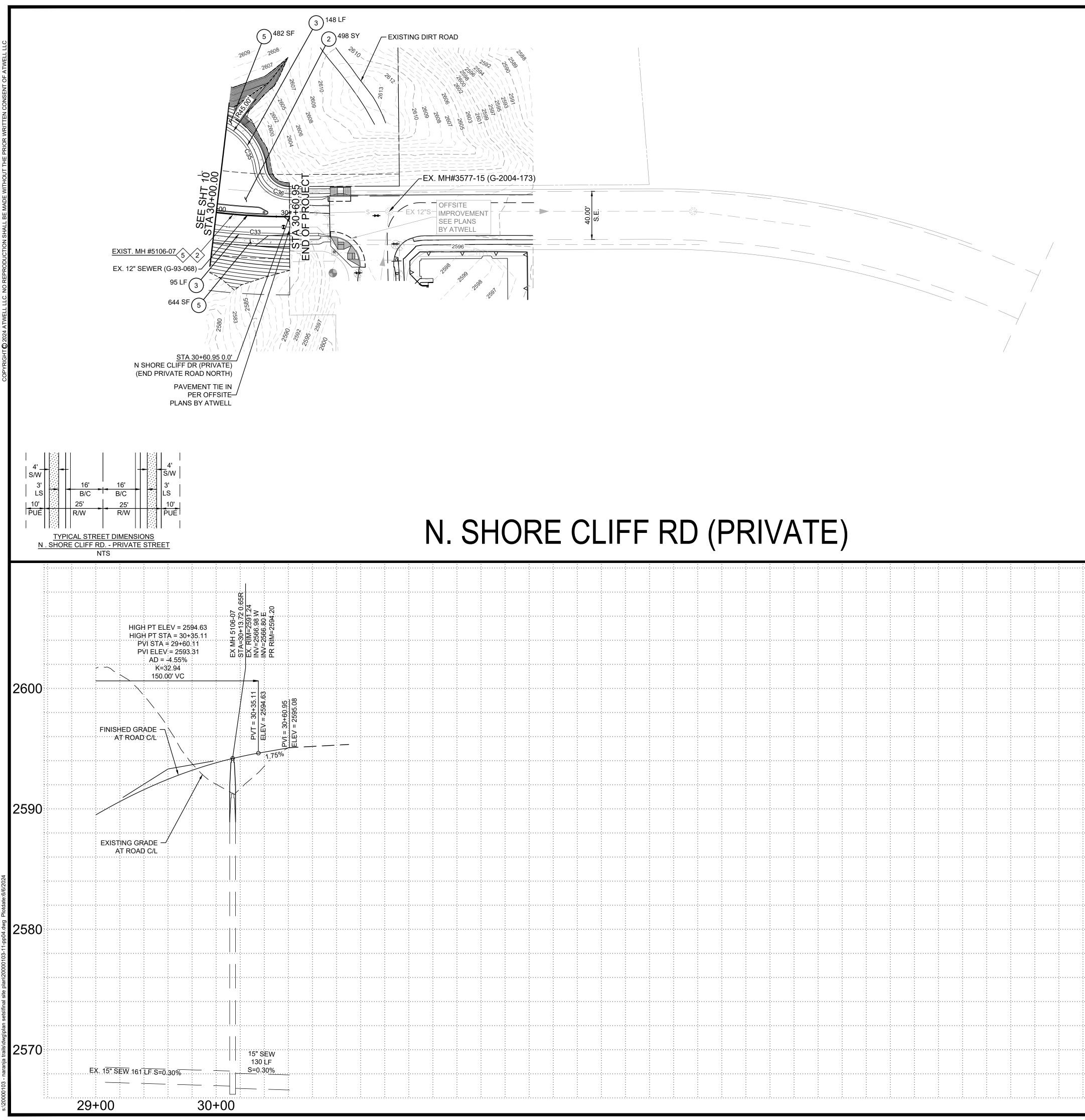






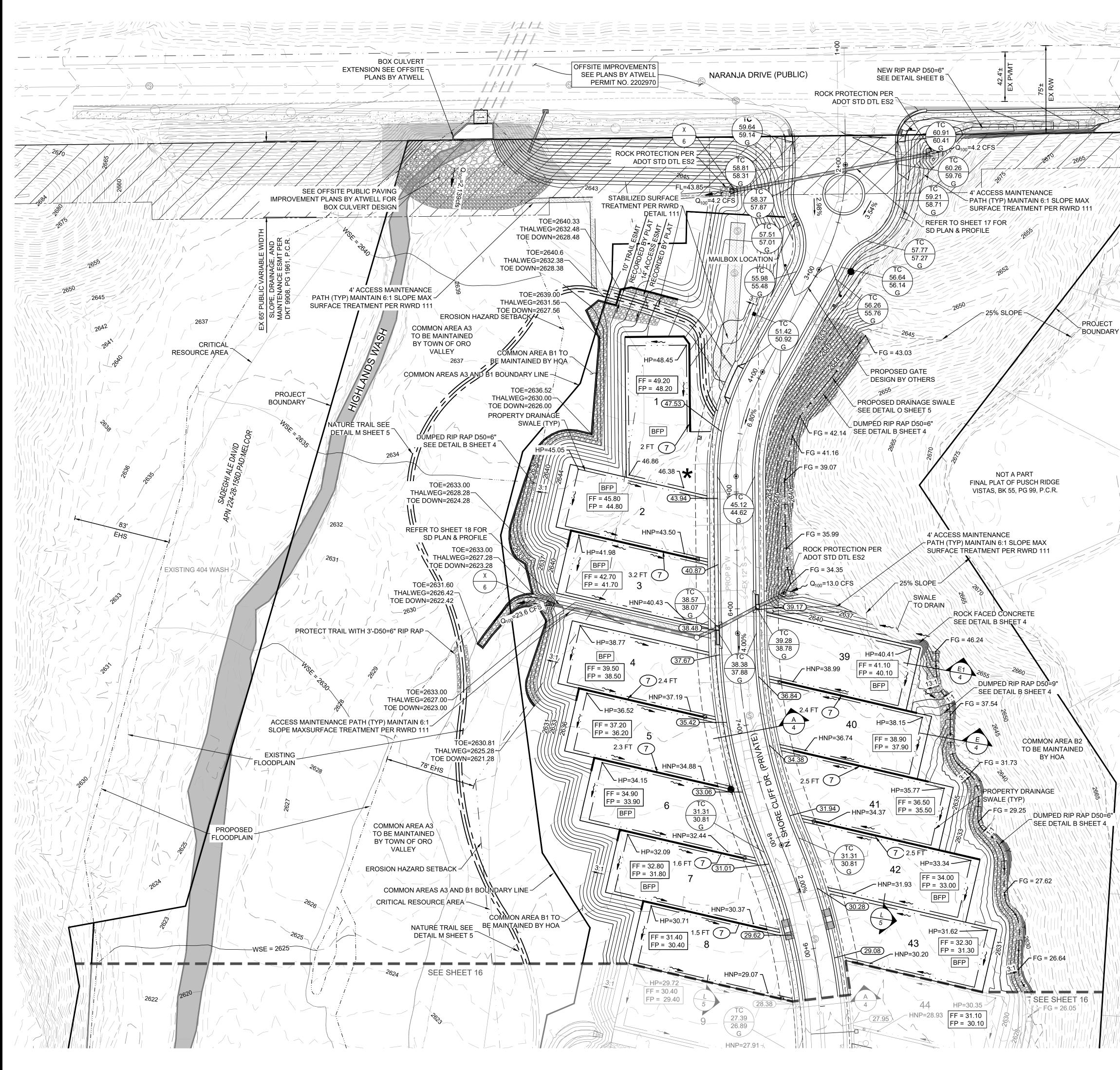


GRADING PERMIT #220



	CONSTRUCTION NOTES
	(498) CONSTRUCT 3" A/C ON 5" ABC PAVEMENT SECTION. SEE DETAIL SHEET 42 CIR(243) CONSTRUCT WEDGE CURB (H=6") PER P.A.G. STD. DTL. 2093 CIR
	(1126) CONSTRUCT 5' SIDEWALK PER P.A.G. STD. DTL. 200 5 CIR
	SEWER CONSTRUCTION NOTES
	1 RECONSTRUCT EXIST. MH TO FINISHED GRADE PER RWRD 309 2 DIA 1 CONSTRUCT CONCRETE COLLAR FOR PAYED AREA PER RWRD 311 5 DIA
	CONSTRUCT CONCRETE COLLAR FOR PAVED AREA PER RWRD 211 5 DIA
	NOTE: ALL STATIONING IS ALONG SHORE CLIFF CONSTRUCTION CENTERLINE. ALL FILL AREAS ARE TO BE COMPACTED TO 95% OF MAXIMUM DRY CAPACITY.
E CLIFF RD (PRIVATE)	30
26	600
	CURVE DATA
	CURVE # LENGTH RADIUS DELTA
	C33 573.23' 516.00' 63°39'02" C35 115.86' 45.00' 147°30'52"
	C36 40.37' 28.00' 82°35'54"
21	590 KEYMAP ALL CURVE INFORMATION IS TO BACK OF CURB OR CENTERLINE
	ATVO E. SOUTHERN AVENUE
	MESA, AZ 85206 520.268.6322
25	580 LOCATION DESCRIPTION A PORTION OF THE EAST HALF OF THE NORTHWEST QUARTER OF SECTION 12, TOWNSHIP 12 SOUTH,
	QUARTER OF SECTION 12, TOWNSHIP 12 SOUTH, RANGE 13 EAST, OF THE GILA AND SALT RIVER BASE AND MERIDIAN TOWN OF ORO VALLEY, PIMA COUNTY,
	Know what's below. Call before you dig.
	FINAL SITE PLAN, GRADING PLAN AND PUBLIC SEWER PM. M. PARK AND PRIVATE STREET IMPROVEMENT PLAN DR. J.TURPIN
	STONARANJA TRAILSJOB NO. 20000103570LOTS 1 THROUGH 64 & COMMON AREAS A1 THROUGH C
	TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA DATE. 04-04-2024
	ORO VALLEY CASE No: 2000939, 2002761, 2202968 2202969, 2202970, 2301593 SHEET NO.
	SEWER PLAN & PROFILE





GRADING CONSTRUCTION NOTES

T T INSTALL RETAINING WALL. (HEIGHT PER PLAN)

REMOVE EXISTING RIP RAP WITHIN SIDEWALK LIMITS

-EG=2668.2

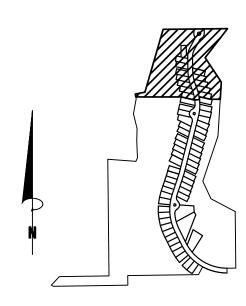
REMOVE EXISTING RIP RAP

F-----

/TEG=2666.2

BFP = HCS BACK FLOW PREVENTER

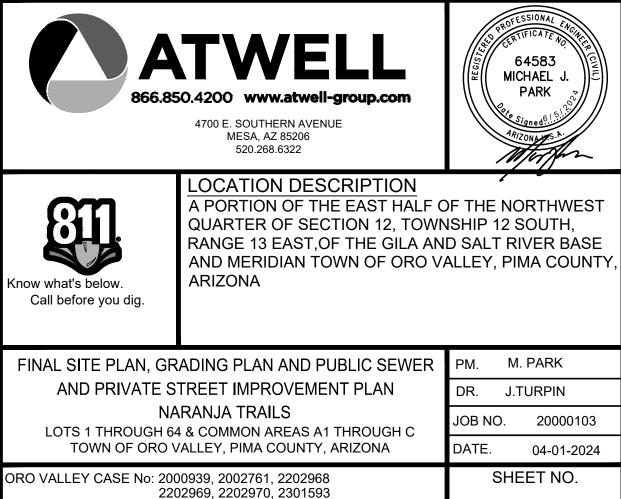
HIGHLANDS WASH LOT FILL TABLE									
LOT #	EXIST. 100-YR CWSEL	PROP. 100-YR CWSEL	PAD ELEV.						
2	2635.8	2635.51	2644.70						
3	2633.62	2633.25	2641.60						



 $\frac{\text{KEYMAP}}{_{\text{NTS}}}$



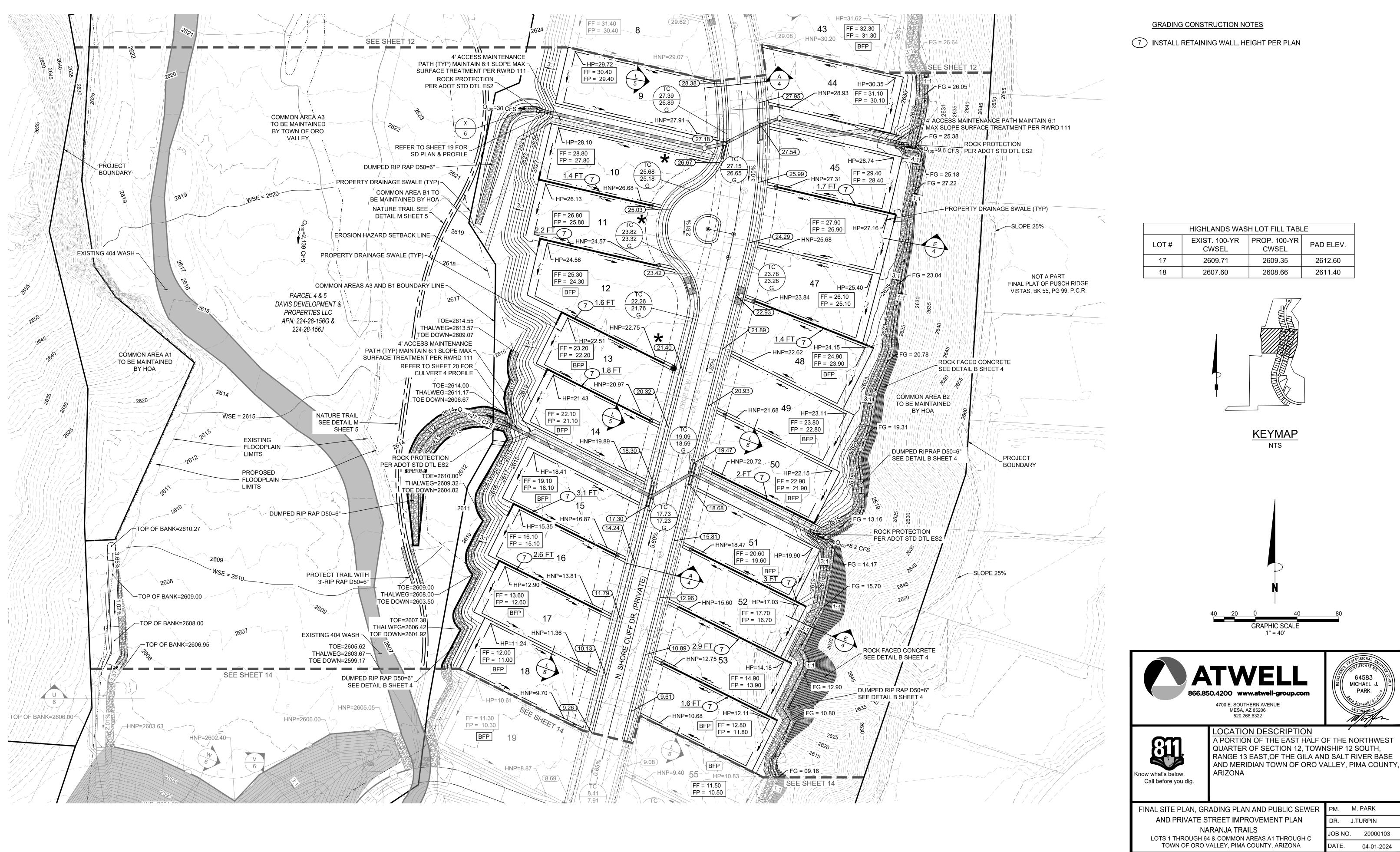
GRAPHIC SCALE 1" = 40'



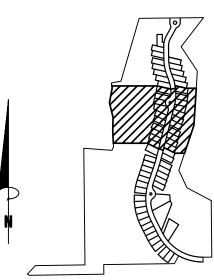
ADING PERMIT #22026

12 OF 23





HIGHLANDS WASH LOT FILL TABLE								
LOT #	EXIST. 100-YR CWSEL	PROP. 100-YR CWSEL	PAD ELEV.					
17	2609.71	2609.35	2612.60					
18	2607.60	2608.66	2611.40					





ORO VALLEY CASE No: 2000939, 2002761, 2202968

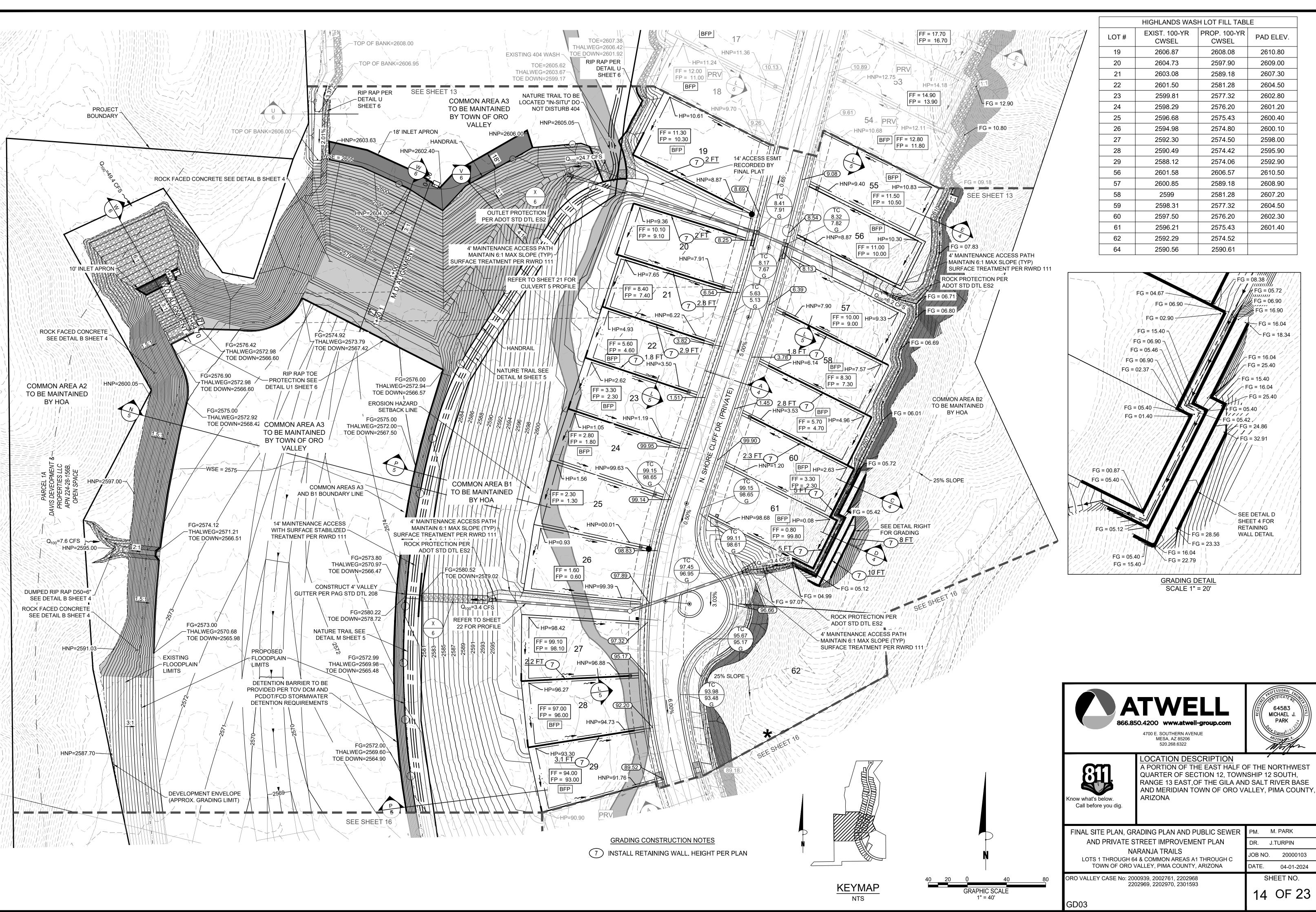
GD02

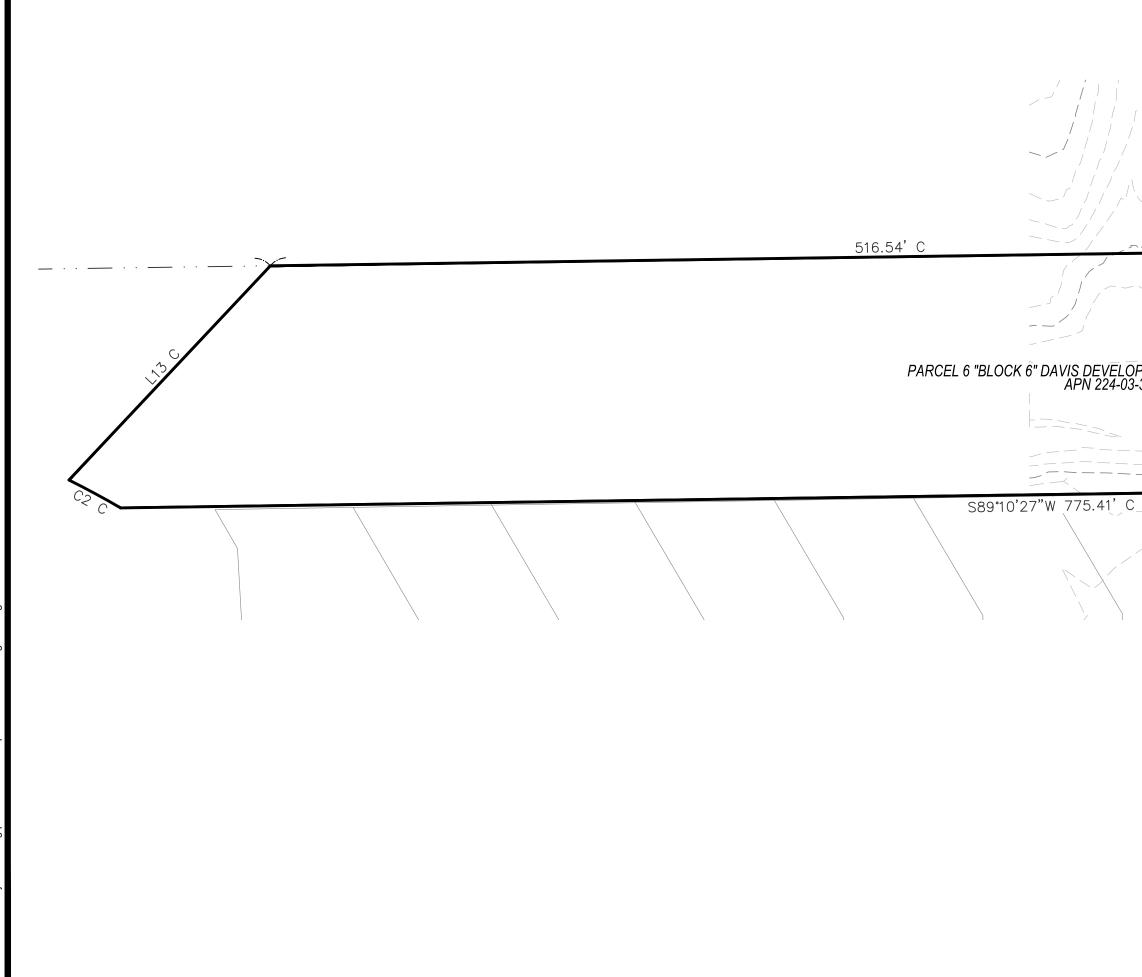
2202969, 2202970, 2301593

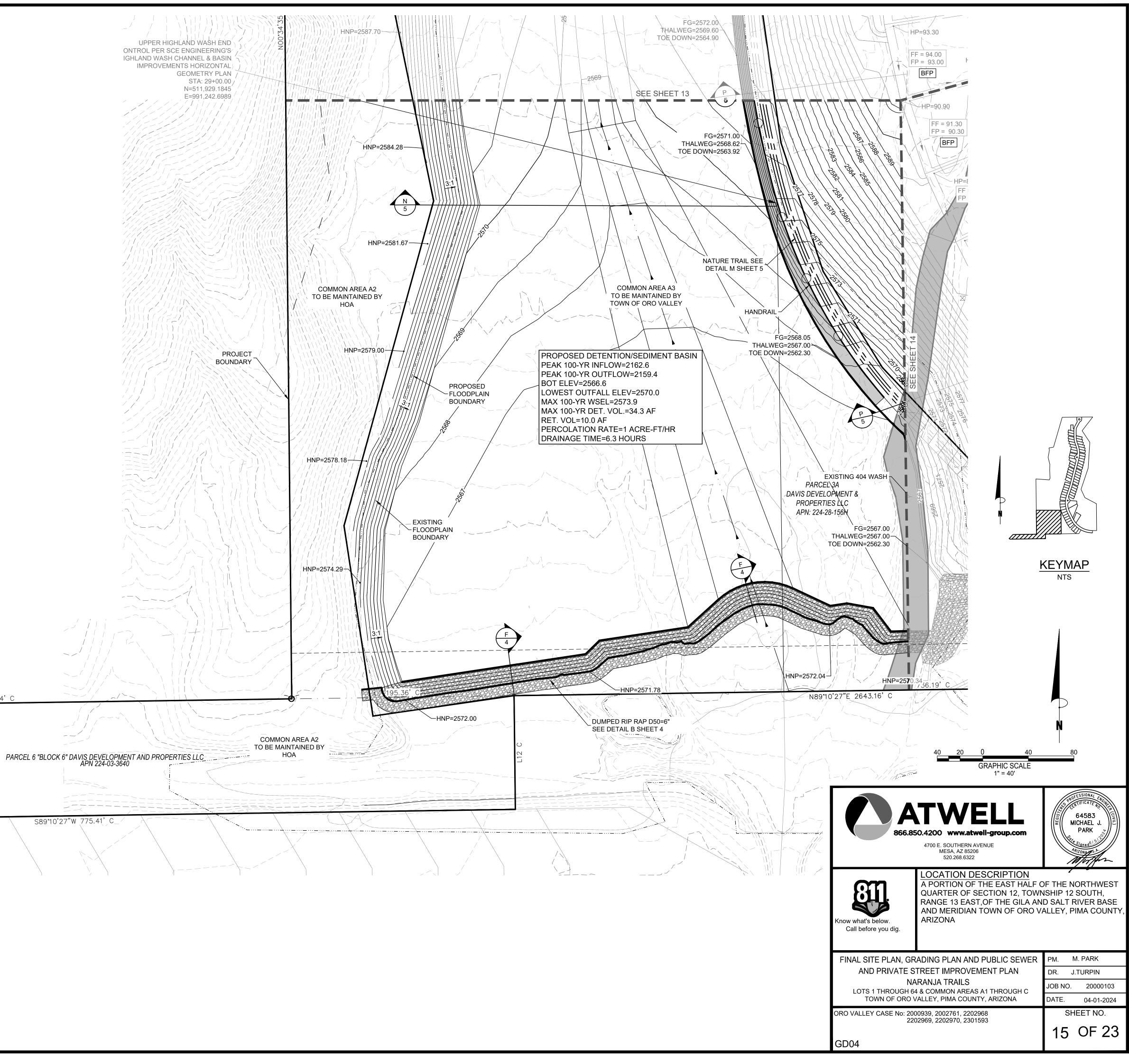
SHEET NO.

13 OF 23

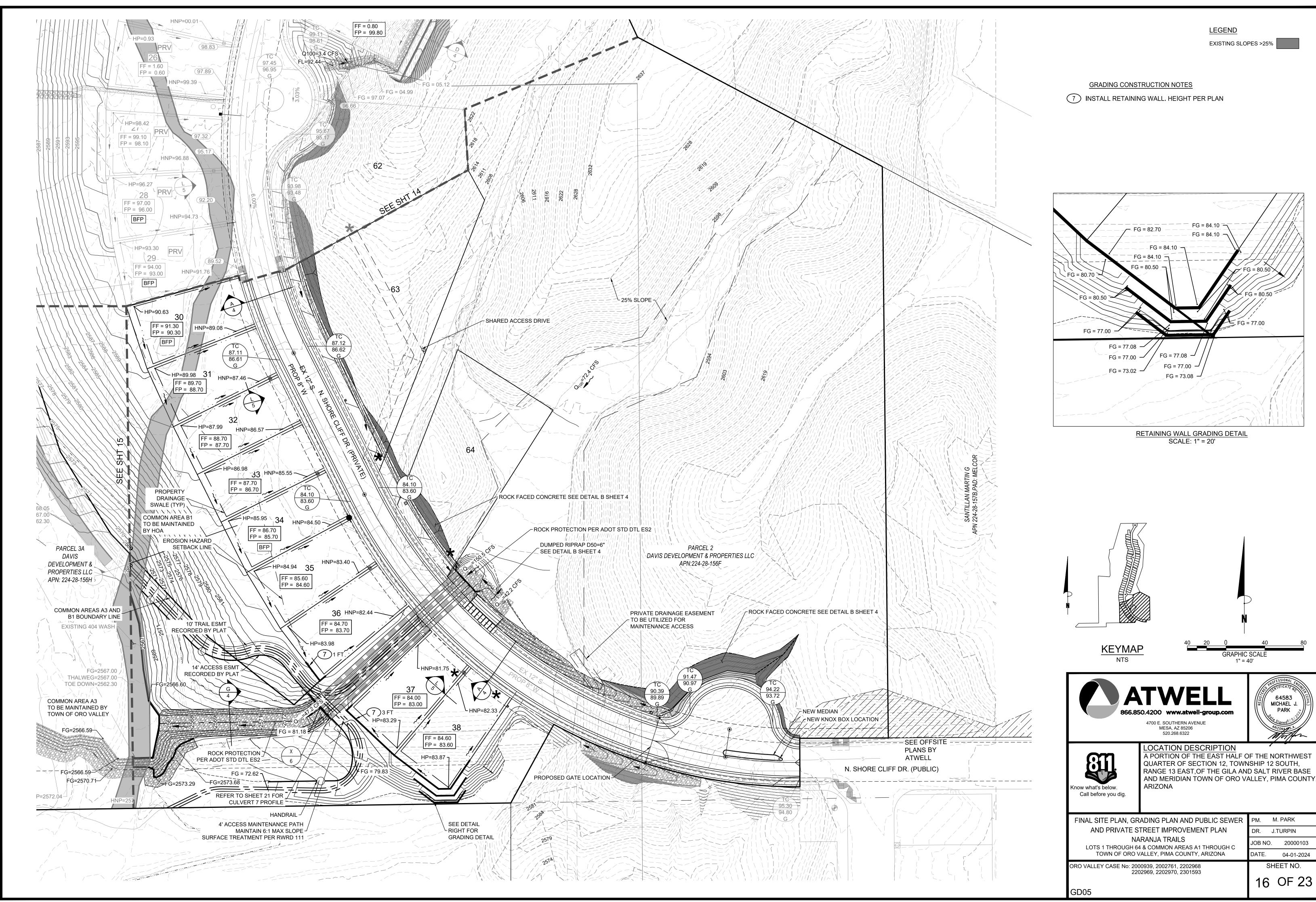




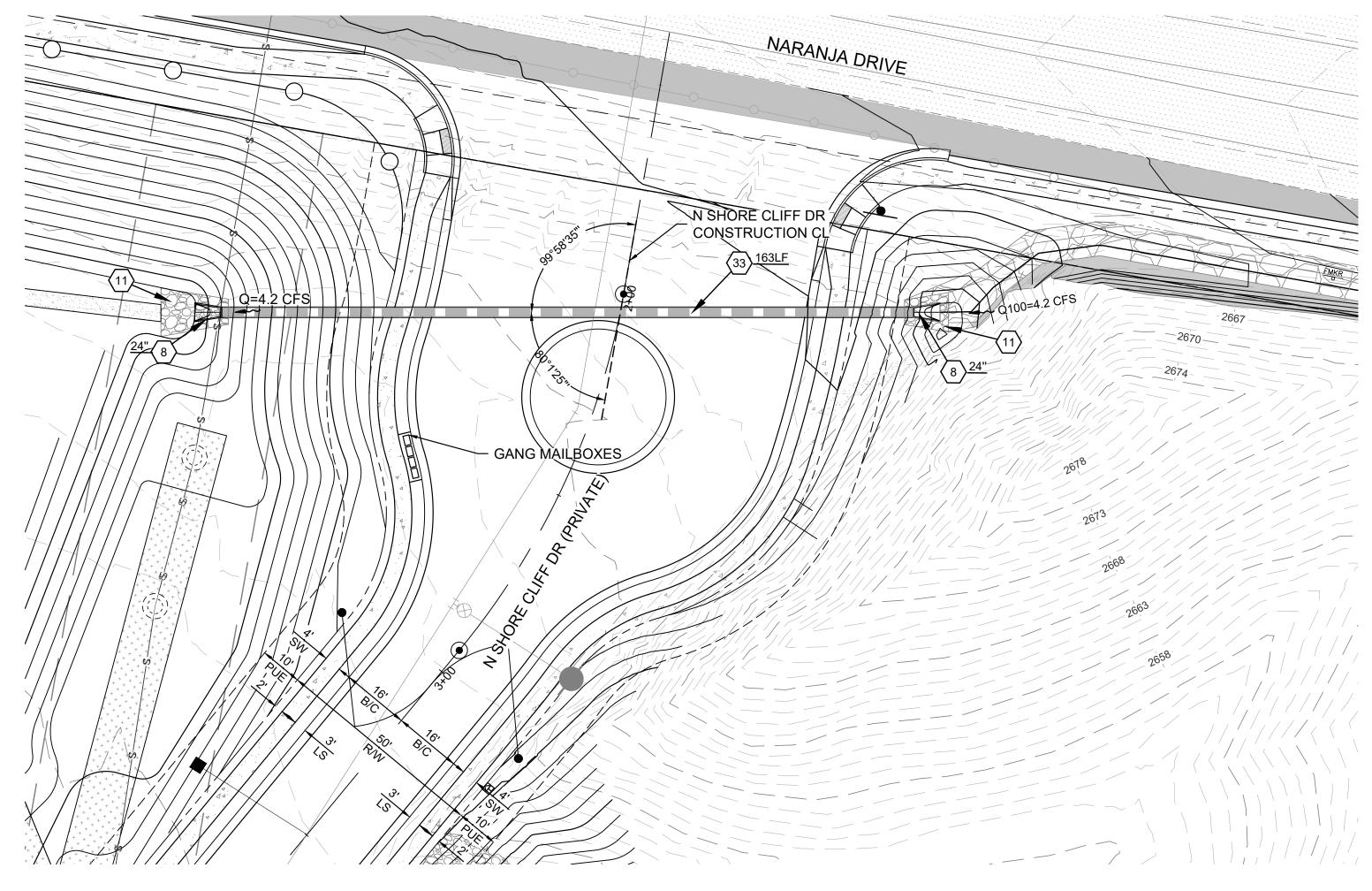


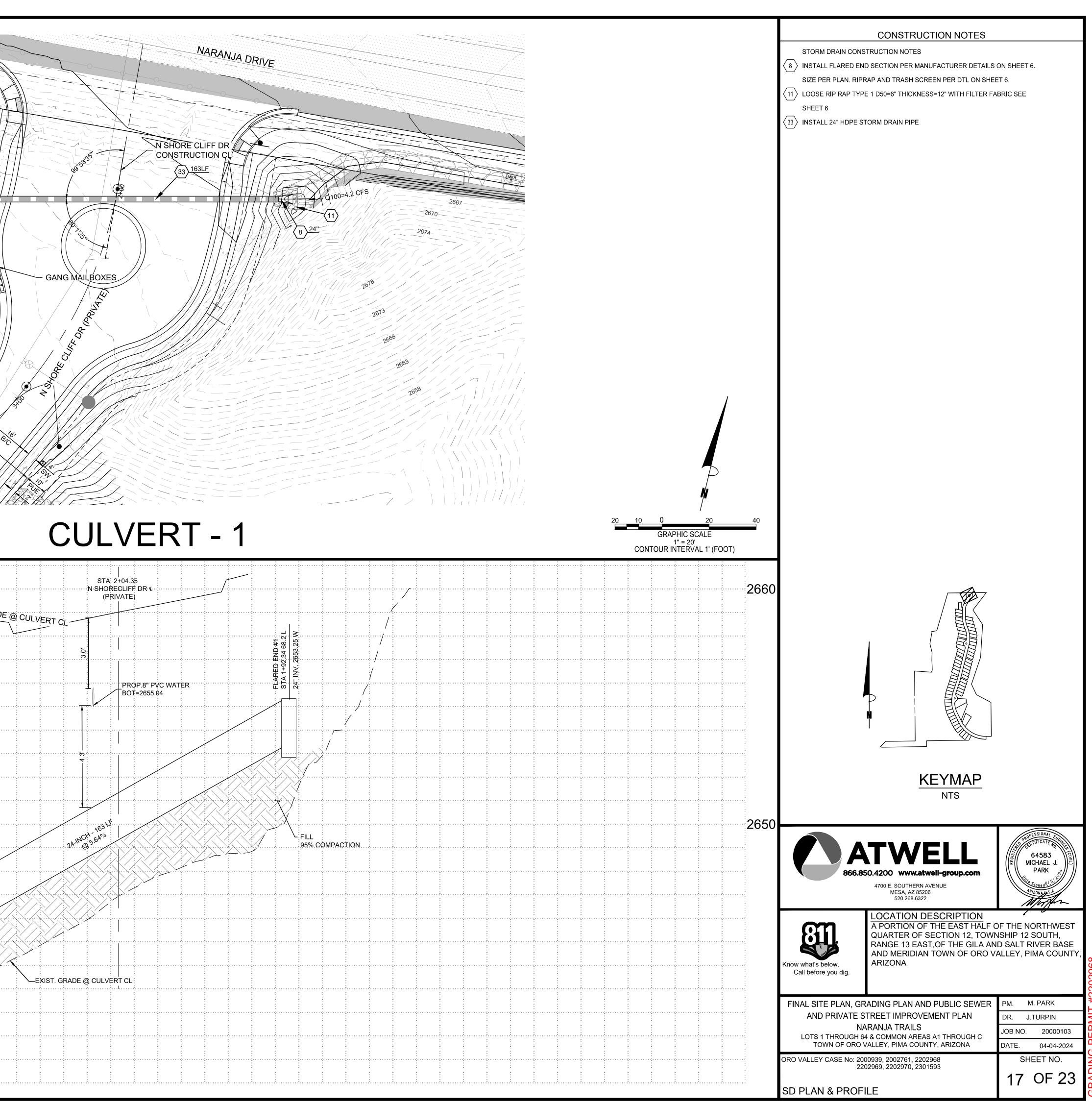


RADING PERMIT #22

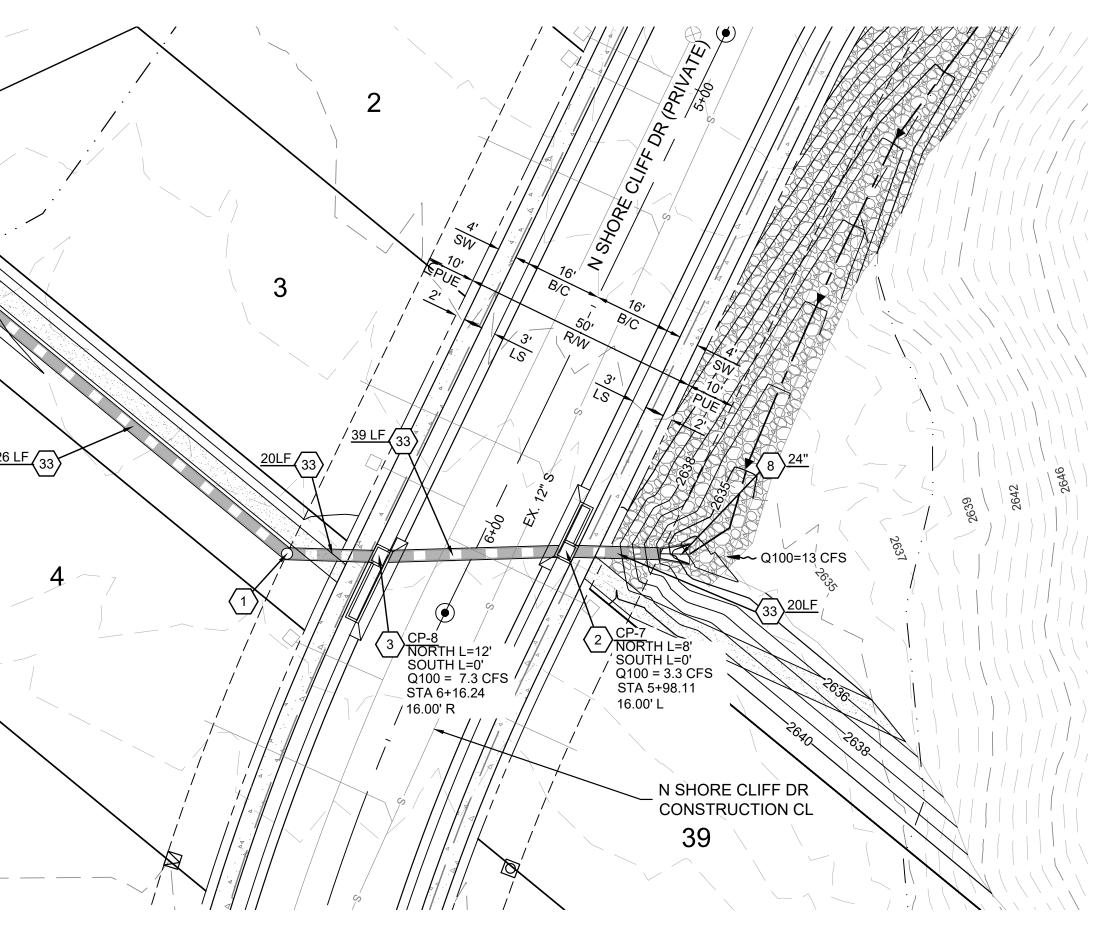


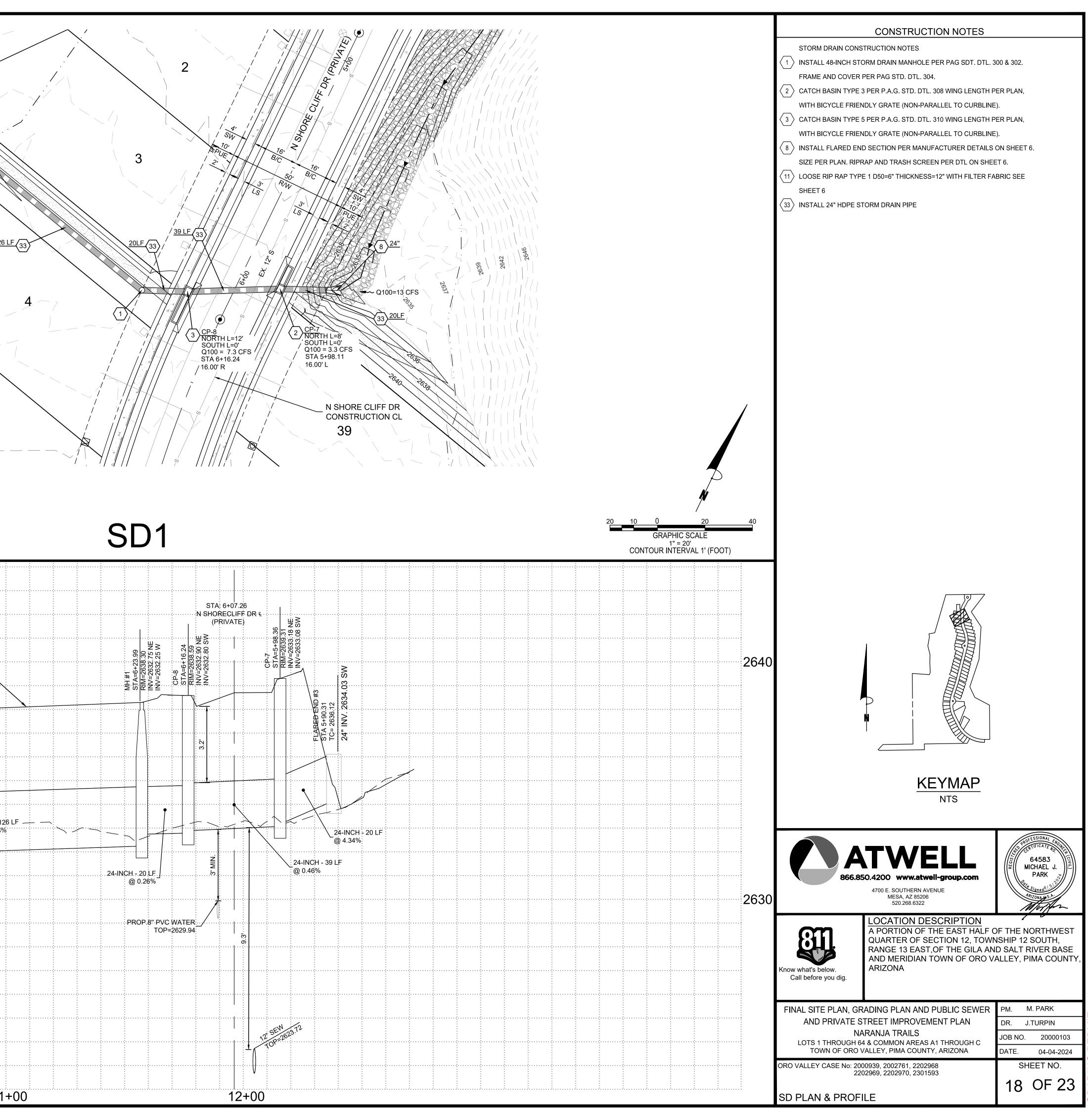
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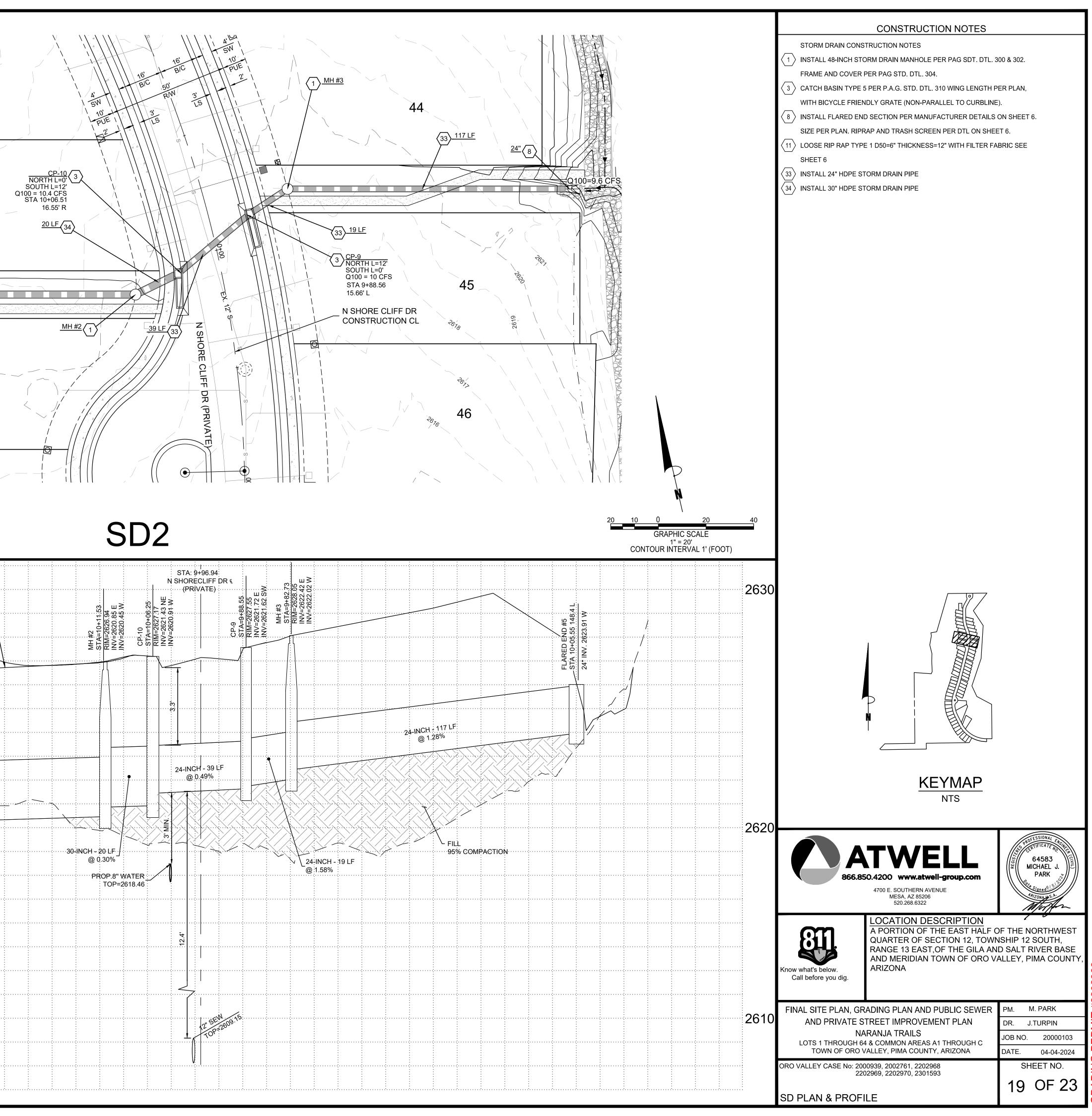


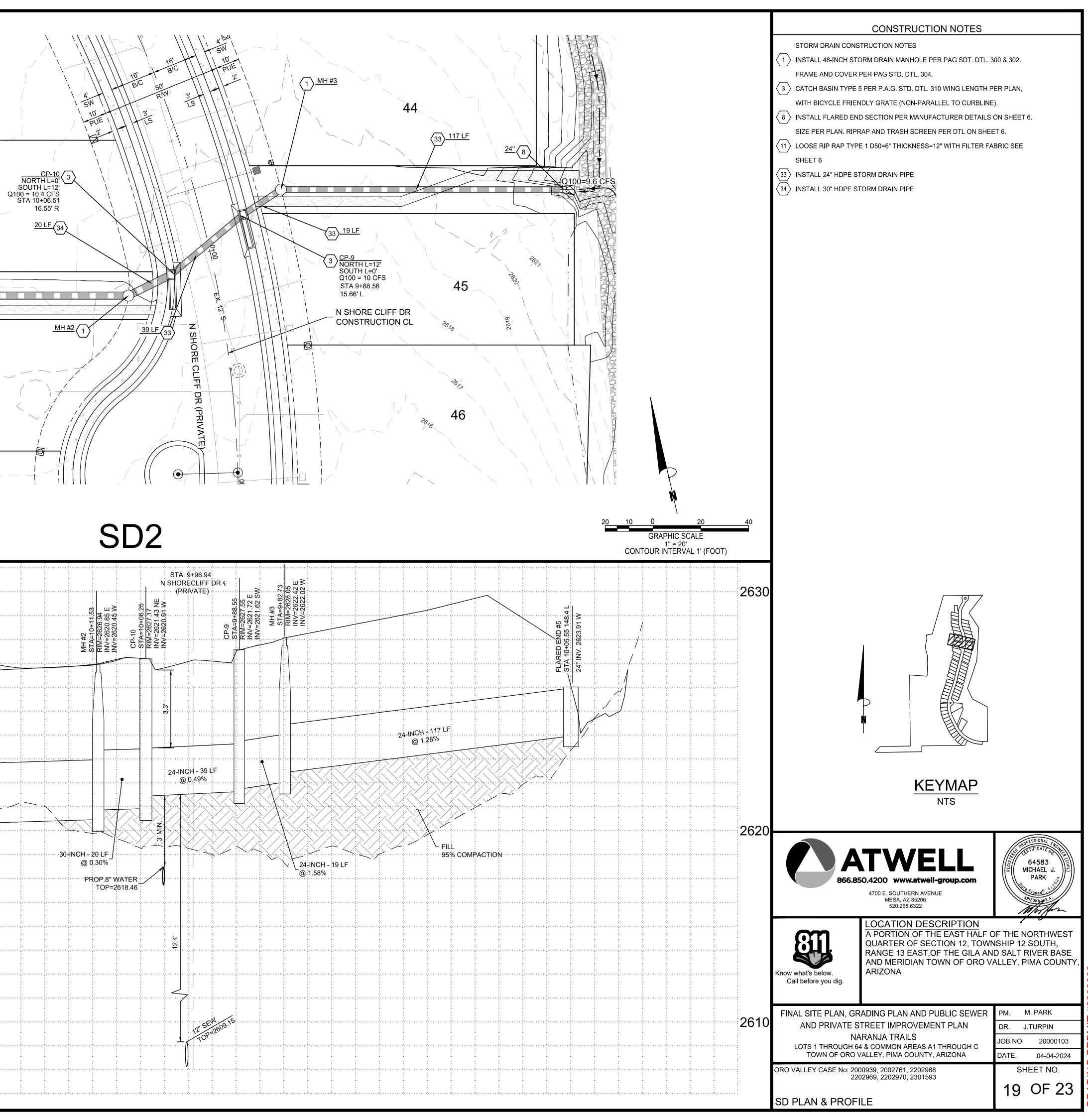
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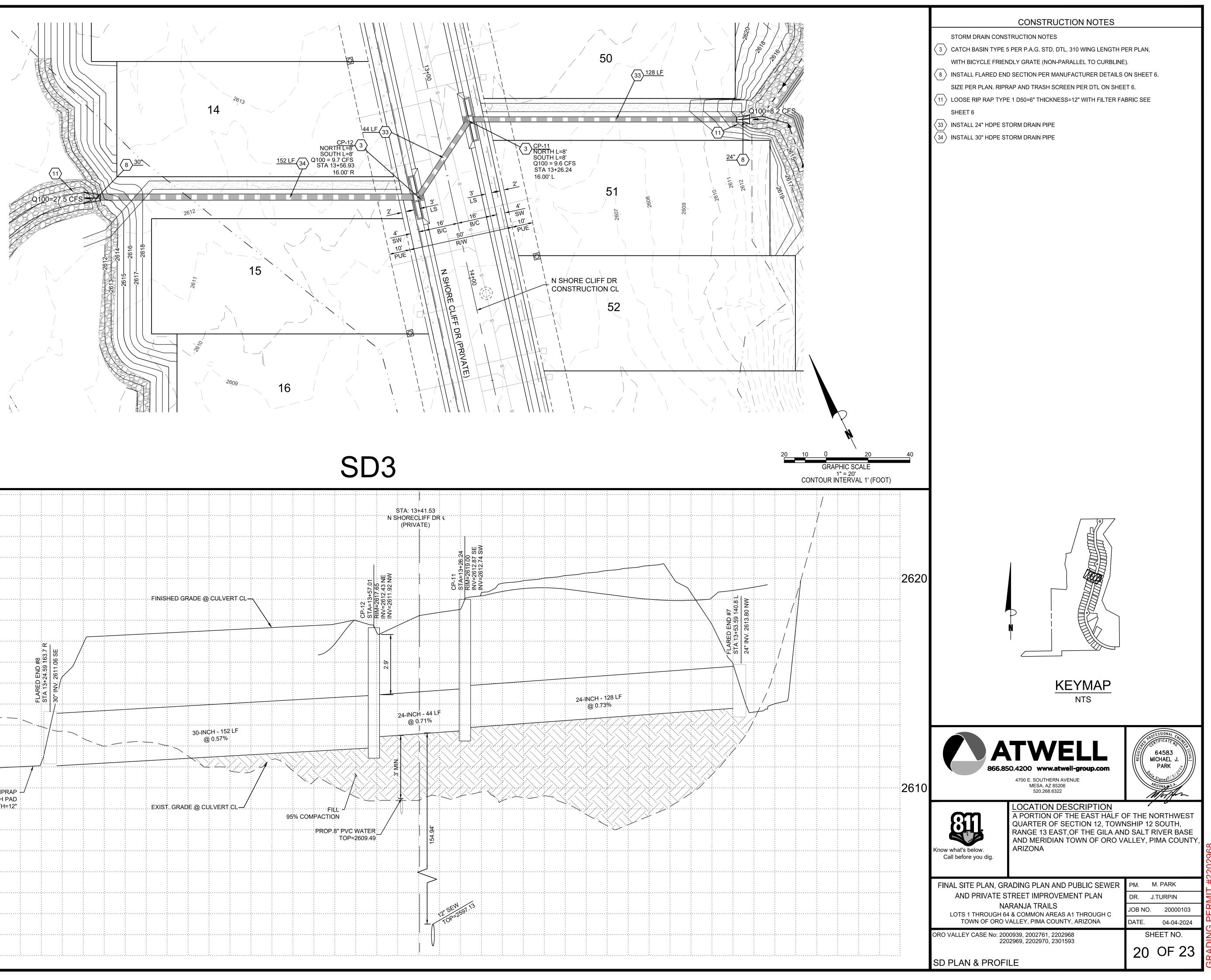


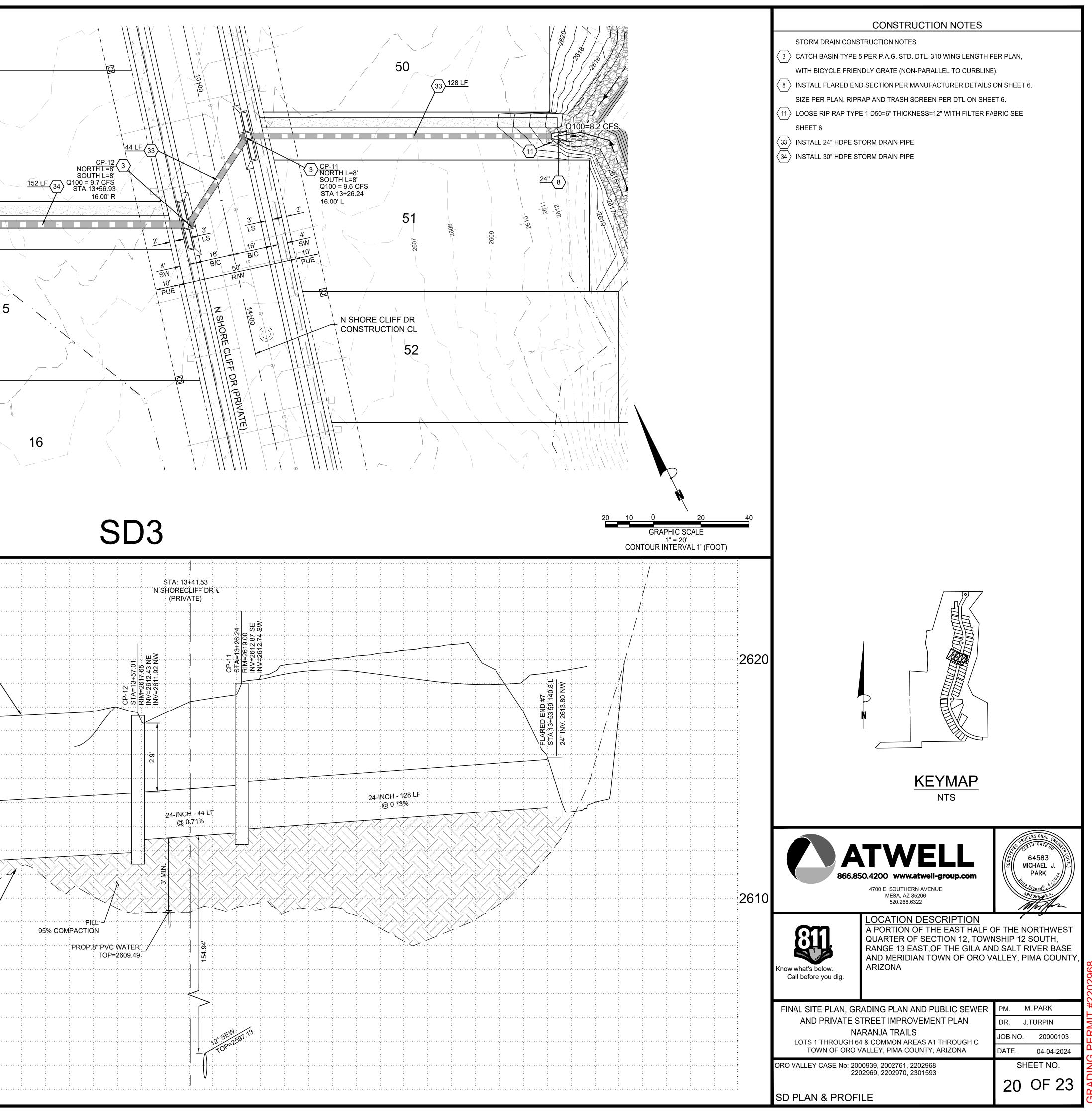
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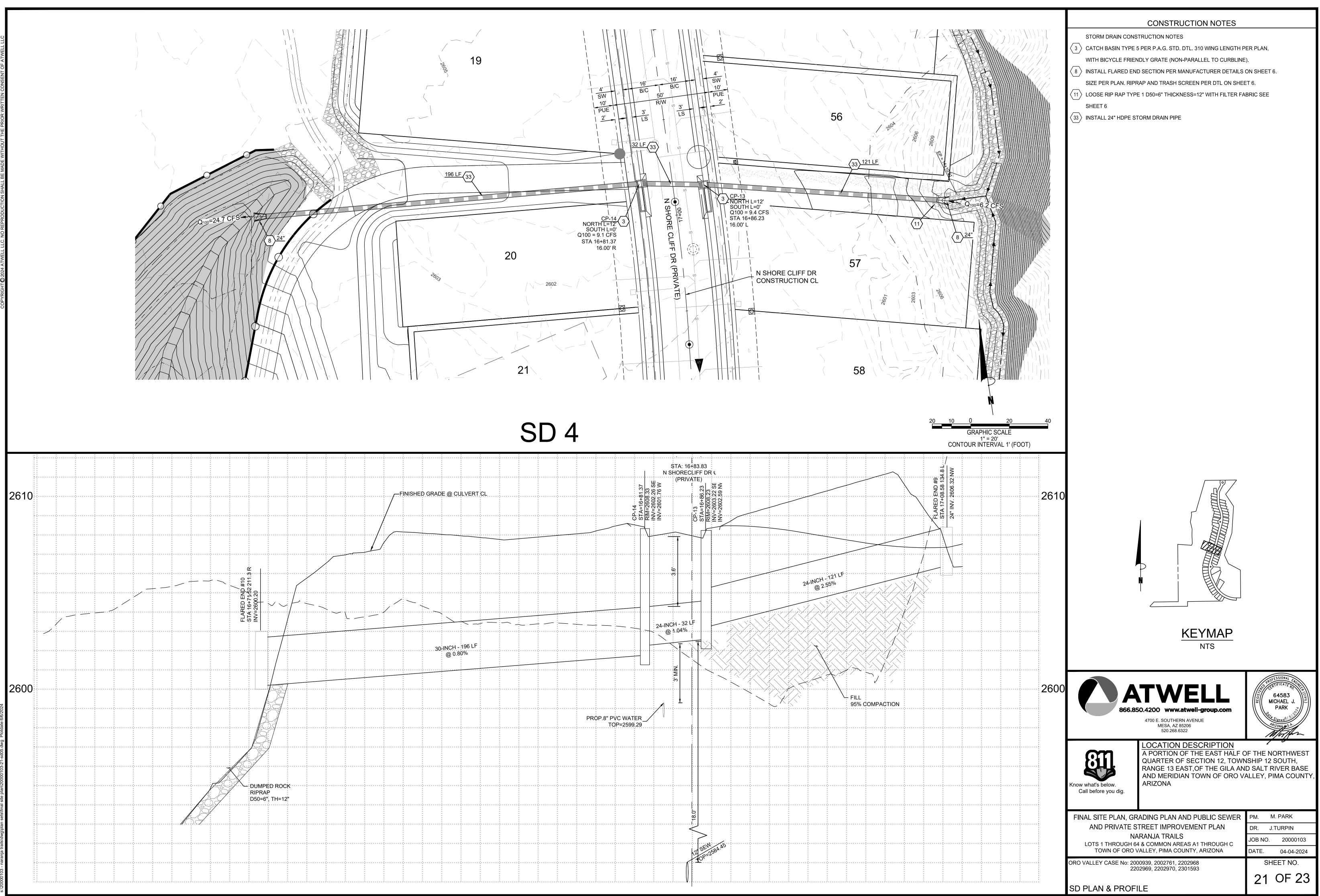




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