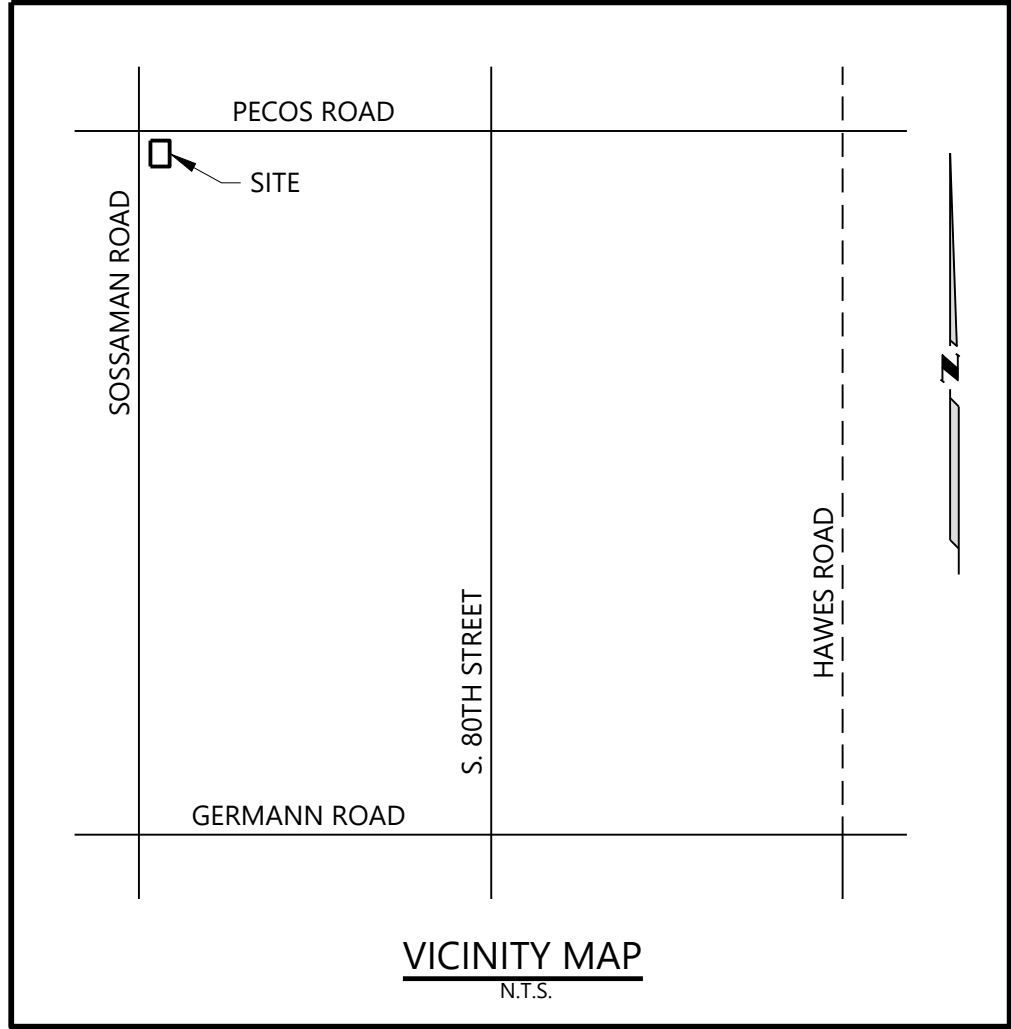


PRELIMINARY CIVIL IMPROVEMENTS
CIRCLE K
BEING A PORTION OF THE SOUTHWEST QUARTER OF
SECTION 5, TOWNSHIP 2 SOUTH, RANGE 7 EAST,
OF THE GILA & SALT RIVER MERIDIAN
MARICOPA COUNTY, ARIZONA



ENGINEER'S NOTES

- MARICOPA ASSOCIATION OF GOVERNMENTS (M.A.G.) UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION ARE INCORPORATED INTO THIS PLAN SET IN THEIR ENTIRETY. THE LATEST EDITION, INCLUDING LATEST REVISION AS WELL AS THE CURRENT SUPPLEMENTAL SPECIFICATIONS AND DETAILS OF THE JURISDICTION ARE ALSO INCORPORATED.
- ALL WORK REQUIRED BY THE CONTRACTOR TO COMPLETE THE CONSTRUCTION COVERED BY THIS PLAN SHALL BE IN ACCORDANCE WITH THE M.A.G. STANDARD SPECIFICATIONS AND DETAILS AND CURRENT SUPPLEMENTS THEREOF PER THE JURISDICTION UNLESS OTHERWISE SPECIFIED IN THESE PLANS OR ELSEWHERE IN THE CONTRACT DOCUMENTS. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH ALL REQUIRED STANDARD SPECIFICATIONS, DETAILS, LATEST M.A.G. REVISIONS AND JURISDICTION SUPPLEMENTS PRIOR TO BIDDING THE WORK FOR THE CONSTRUCTION COVERED BY THIS PLAN SET.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, SEQUENCING, AND SAFETY CONCERNS ASSOCIATED WITH THIS PROJECT DURING CONSTRUCTION, UNLESS SPECIFICALLY ADDRESSED OTHERWISE IN THIS PLAN SET OR ELSEWHERE IN THE CONTRACT.
- THE CONTRACTOR IS TO COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS APPLICABLE TO THE CONSTRUCTION COVERED BY THIS PLAN SET AND IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS REQUIRED TO COMPLETE ALL WORK COVERED BY THIS PLAN SET.
- THE QUANTITIES AND SITE CONDITIONS DEPICTED IN THIS PLAN SET ARE FOR INFORMATIONAL PURPOSES ONLY. CONTRACTORS SHALL SATISFY THEMSELVES AS TO ACTUAL QUANTITIES AND SITE CONDITIONS PRIOR TO BIDDING THE WORK FOR THE CONSTRUCTION COVERED BY THIS PLAN SET.
- THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES AND UTILITIES IN THE CONSTRUCTION AREA HAVE BEEN SHOWN BASED ON UTILITY COMPANY RECORDS. THE CONTRACTOR SHALL CALL 48 HOURS IN ADVANCE FOR BLUE STAKE (811) PRIOR TO ANY EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION OF CONSTRUCTION AFFECTING UTILITIES. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES AND/OR FACILITIES CAUSED DURING THEIR CONSTRUCTION OPERATIONS AND THE COORDINATION OF ANY NECESSARY UTILITY RELOCATION WORK.
- ALL PAVING, GRADING, INCLUDING EXCAVATION AND FILL PLACEMENT, TRENCHING, PIPE BEDDING, AND BACKFILL SHALL COMPLY WITH THE RECOMMENDATIONS SET FORTH IN THE GEOTECHNICAL REPORT FOR THIS PROJECT IN ADDITION TO THE REFERENCED REQUIRED SPECIFICATIONS AND DETAILS. THE CONTRACTOR SHALL BE AWARE THAT CERTAIN UTILITIES MAY REQUIRE PROPER ATTENTION AND CAREFUL PLANNING DURING SITE CONSTRUCTION. PLEASE NOTE THAT UTILITIES ON THESE PLANS MAY NOT EXHIBIT THE FULL PROTECTIVE COVER REQUIRED DURING THE SUBGRADE PREPARATION PHASE OF THE CONSTRUCTION. IN SUCH INSTANCES, THE CONTRACTOR SHALL PROVIDE ADDITIONAL PROTECTION SUCH AS RAMPING OR INCREASED PIPE STRENGTH TO PROVIDE THE NECESSARY PROTECTION REQUIRED TO PREVENT DAMAGE DURING THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL HOLD THE ENGINEER HARMLESS IN ALL CASES FOR DAMAGES TO UTILITIES WHERE INADEQUATE PROTECTIVE MEASURES OCCUR.
- THE CONTRACTOR IS TO VERIFY THE LOCATION AND THE ELEVATIONS OF ALL EXISTING UTILITIES AT POINTS OF TIE-IN PRIOR TO COMMENCING ANY NEW CONSTRUCTION. SHOULD ANY LOCATION OR ELEVATION DIFFER FROM THAT SHOWN ON THESE PLANS, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE OWNER'S AGENT AND ENGINEER.
- CONTRACTOR TO VERIFY AND COORDINATE ALL DIMENSIONS AND SITE LAYOUT WITH ARCHITECT'S FINAL SITE PLAN AND FINAL BUILDING DIMENSIONS BEFORE STARTING WORK. REPORT DISCREPANCIES TO OWNER'S AGENT.
- COORDINATION BETWEEN ALL PARTIES IS AN ESSENTIAL PART OF THE CONTRACT.
- CONTRACTOR IS RESPONSIBLE FOR PROJECT AND SITE CONDITIONS, AND SHALL WORK WITH WEATHER CONDITIONS AS THE PROJECT SITE MAY BE LOCATED IN A FLOOD PRONE AREA AND SUBJECT TO FLOODING AND ITS HAZARDS.
- THE CONTRACTOR IS TO VERIFY THE LOCATION, ELEVATION, CONDITION, AND PAVEMENT CROSS-SLOPE OF ALL EXISTING SURFACES AT POINTS OF TIE-IN AND MATCHING, PRIOR TO COMMENCEMENT OF GRADING, PAVING, CURB AND GUTTER, OR OTHER SURFACE CONSTRUCTION. SHOULD EXISTING LOCATIONS, ELEVATIONS, CONDITION, OR PAVEMENT CROSS-SLOPE DIFFER FROM THAT SHOWN ON THESE PLANS, RESULTING IN THE DESIGN INTENT REFLECTED ON THESE PLANS NOT ABLE TO BE CONSTRUCTED, THE CONTRACTOR SHALL NOTIFY THE OWNER'S AGENT AND ENGINEER IMMEDIATELY FOR DIRECTION ON HOW TO PROCEED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL COSTS ASSOCIATED WITH CORRECTIVE ACTION IF THESE PROCEDURES ARE NOT FOLLOWED.
- CONTRACTOR IS RESPONSIBLE TO COORDINATE UTILITY CROSSINGS AT CULVERT CROSSINGS BEFORE STARTING WORK ON CULVERT. VERIFY WITH OWNER REPRESENTATIVE THAT ALL UTILITY LINES AND/OR CONDUITS ARE IN PLACE BEFORE STARTING CULVERT WORK.
- CONSTRUCT RETENTION BASIN AS SHOWN. CONTRACTOR TO SCARIFY BOTTOM OF BASIN TWO FEET DEEP AND NOT ALLOW COMPACTION OVER 80%.
- THIS PROJECT REQUIRES A REGULAR ONGOING MAINTENANCE PROGRAM FOR THE DESIGNED DRAINAGE SYSTEM(S) TO PRESERVE THE DESIGN INTEGRITY AND THE ABILITY TO PERFORM ITS OPERATIONAL INTENT. FAILURE TO PROVIDE MAINTENANCE MAY JEOPARDIZE THE DRAINAGE SYSTEM(S)' PERFORMANCE AND MAY LEAD TO ITS INABILITY TO PERFORM PROPERLY AND/OR CAUSE DAMAGE ELSEWHERE IN THE PROJECT.
- SEWER LINES DESIGNED IN PROFILE AND PUBLIC WATER LINES ARE REQUIRED TO BE AS-BUILT AND THE INSTALLATION AND TESTING WITNESSED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH ARIZONA ADMINISTRATIVE CODES R18-9-5301 "4.01 GENERAL PERMIT: SEWAGE COLLECTIONS SYSTEMS" AND R18-5-507 AND 508 "APPROVAL OF CONSTRUCTION" AND "RECORD DRAWINGS", RESPECTIVELY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER'S AGENT 72 HOURS IN ADVANCE WHEN THOSE SYSTEMS ARE READY TO BE WITNESSED.
- THE WORK PRODUCT PRESENTED IS BELIEVED TO BE COMPLIANT WITH THE INTENT OF THE CURRENT AMERICANS WITH DISABILITIES ACT (ADA) REQUIREMENTS AS INTERPRETED BY THE REVIEWING AGENCY(S). IF CONSTRUCTION OF THE PROJECT IS DELAYED, THIS WORK PRODUCT SHOULD BE UPDATED TO ACCOUNT FOR ANY RELEVANT ADA UPDATES BEFORE CONSTRUCTION BEGINS.
- FINISH FLOOR (FF) REFERS TO FLOOR/SLAB ELEVATIONS ON THE GRADING AND DRAINAGE PLANS AND CANNOT BE LOWERED WITHOUT AGENCY APPROVAL IN LOCATIONS WHERE 'SPECIAL FLOOD HAZARD AREAS EXIST'. IN NON-FLOOD HAZARD LOCATIONS, TO ENSURE THAT ADEQUATE RESIDENTIAL LOT DRAINAGE CAN BE ACHIEVED, A PROFESSIONAL ENGINEER SHOULD BE CONSULTED IF THE (FF) FOR THE SLAB IS PROPOSED TO BE LOWERED OR IF A BASEMENT IS TO BE CONSTRUCTED.

LEGAL DESCRIPTION

THE NORTH 373 FEET OF THE WEST 345 FEET OF THE NORTH HALF OF THE WEST HALF OF THE SOUTHWEST QUARTER OF SECTION 5, TOWNSHIP 2 SOUTH, RANGE 7 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA;

EXCEPT THE WEST 33.00 FEET OF THE NORTH HALF OF THE WEST HALF OF THE SOUTHWEST QUARTER OF SAID SECTION 5, AS CONVEYED TO THE CITY OF MESA IN QUIT CLAIM DEED RECORDED OCTOBER 3, 2006 IN RECORDING NO. 20061307771; AND ALSO

EXCEPT THAT PORTION CONVEYED TO THE CITY OF MESA IN SPECIAL WARRANTY DEED RECORDED NOVEMBER 29, 2001 IN RECORDING NO. 2001-1121321 AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

A PORTION OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 5, TOWNSHIP 2 SOUTH, RANGE 7 EAST OF THE GILA AND SALT RIVER MERIDIAN, MARICOPA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE WEST QUARTER CORNER OF SAID SECTION 5;

THENCE SOUTH 89 DEGREES 44 MINUTES 08 SECONDS EAST, ALONG THE EAST WEST MID-SECTION LINE OF SAID SECTION 5 FOR A DISTANCE OF 33.01 FEET TO THE POINT OF BEGINNING;

THENCE CONTINUING ALONG SAID EAST WEST MID-SECTION LINE, SOUTH 89 DEGREES 44 MINUTES 08 SECONDS EAST FOR A DISTANCE OF 1284.01 FEET TO A POINT ON THE EAST LINE OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 5;

THENCE ALONG SAID EAST LINE SOUTH 00 DEGREES 42 MINUTES 30 SECONDS EAST FOR A DISTANCE OF 65.01 FEET TO A POINT ON THE SOUTH LINE OF THE NORTH 65.00 FEET OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 5;

THENCE ALONG SAID SOUTH LINE NORTH 89 DEGREES 44 MINUTES 08 SECONDS WEST FOR A DISTANCE OF 1216.96 FEET;

THENCE SOUTH 44 DEGREES 45 MINUTES 32 SECONDS WEST FOR A DISTANCE OF 35.04 FEET TO A POINT ON THE EAST LINE OF THE WEST 75.00 FEET OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 5;

THENCE ALONG SAID EAST LINE SOUTH 00 DEGREES 44 MINUTES 47 SECONDS EAST FOR A DISTANCE OF 539.74 FEET;

THENCE SOUTH 89 DEGREES 15 MINUTES 13 SECONDS WEST FOR A DISTANCE OF 10.00 FEET TO A POINT ON THE EAST LINE OF THE WEST 65.00 FEET OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 5;

THENCE ALONG SAID EAST LINE SOUTH 00 DEGREES 44 MINUTES 47 SECONDS EAST FOR A DISTANCE OF 701.93 FEET TO A POINT ON THE SOUTH LINE OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 5;

THENCE NORTH 89 DEGREES 46 MINUTES 39 SECONDS WEST FOR A DISTANCE OF 32.00 FEET TO A POINT ON THE EAST LINE OF THE WEST 33.00 FEET OF THE NORTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 5;

THENCE ALONG SAID EAST LINE NORTH 00 DEGREES 44 MINUTES 47 SECONDS WEST FOR A DISTANCE OF 1331.88 FEET TO THE POINT OF BEGINNING.

UTILITY COMPANY SUBMITTALS

THESE PLANS HAVE BEEN SUBMITTED TO THE FOLLOWING UTILITY COMPANIES. THE SIZE AND LOCATIONS, AS SHOWN, OF THE GAS, TELEPHONE AND POWER LINES, AND CONNECTIONS AGREE WITH THE INFORMATION CONTAINED IN THE UTILITY COMPANY'S RECORDS PROVIDED TO THE DESIGN ENGINEER. WHERE THE WORK TO BE DONE CONFLICTS WITH ANY OF THESE UTILITIES, THE CONFLICTS SHALL BE RESOLVED AS SPECIFIED IN THE SPECIAL PROVISIONS AND/OR AS OTHERWISE NOTED ON THESE PLANS. CONFLICTS ARISING DURING THE COURSE OF CONSTRUCTION FROM UNFORESEEN CIRCUMSTANCES SHALL BE REPORTED TO THE INTERESTED UTILITY COMPANY AND BE RESOLVED BY THEM AND THE DESIGN ENGINEER.

THE CITY WILL NOT PARTICIPATE IN THE COST OF CONSTRUCTION OR UTILITY RELOCATION.

| | | |
|---------------------------|---------------------------|------|
| SALT RIVER POWER DISTRICT | BECKY THOMAS | - |
| | COMPANY REP. CONTACTED | DATE |
| SRVWUA | ROBERT MAURER | - |
| | COMPANY REP. CONTACTED | DATE |
| ARIZONA PUBLIC SERVICE | LAUREN HICKS | - |
| | COMPANY REP. CONTACTED | DATE |
| CENTURY LINK | CONFLICT REVIEWER LIAISON | - |
| | COMPANY REP. CONTACTED | DATE |
| EL PASO NATURAL GAS CO. | STEVE WEATHERHEAD | - |
| | COMPANY REP. CONTACTED | DATE |
| SOUTHWEST GAS CO. | ISABEL FIGUEROA | - |
| | COMPANY REP. CONTACTED | DATE |
| COX COMMUNICATIONS | T.M.C. DV 2-01 | - |
| | COMPANY REP. CONTACTED | DATE |

SHEET INDEX

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LEGEND

SEE SHEET C2

DRAINAGE CALCULATION

VOLUME REQUIRED - 100 YEAR 2 HOUR STORM EVENT PER PRE-APPLICATION COMMENT

| | | |
|--------|---|--------------------------------------|
| V_R | = | $C \times (P/12) \times A$ |
| WHERE: | | |
| V_R | = | VOLUME REQUIRED (C.F.) |
| P | = | 2.20 (100YR, 2HR FROM NOAA ATLAS 14) |
| C | = | 0.95 RUNOFF COEFFICIENT |
| A | = | 128,705 SQ. FT. (GROSS) |

VOLUME REQUIRED:

| | | |
|-------|---|--------------------------------------|
| V_R | = | $2.20/12 \times 128,705 \times 0.95$ |
| V_R | = | 22,416 C.F. |

| | |
|---|--------------|
| VOLUME REQUIRED FUEL TANK: | |
| FUEL TANK STORAGE CAPACITY 10,000 GALLONS | |
| (10,000 GAL. x 0.133681 C.F.) | |
| V_R FUEL TANK | = 1,337 C.F. |

TOTAL VOLUME REQUIRED:

| | | |
|-------|---|--------------------------|
| V_R | = | $V_R + V_R$ FUEL TANK |
| V_R | = | 22,416 C.F. + 1,337 C.F. |
| V_R | = | 23,753 C.F. |

VOLUME PROVIDED:

| | |
|--------------------------------|----------|
| DRAINAGE AREA 1 (DA1) | |
| SURFACE RETENTION: | |
| OUTFALL | = 1353.7 |
| FREEBOARD | = 1353.2 |
| HIGHWATER | = 1352.7 |
| BOTTOM | = 1349.7 |
| VOLUME = 14,000 C.F. @ 3' DEEP | |

| | |
|--|--|
| DRAINAGE AREA 2 (DA2) | |
| UNDERGROUND RETENTION: | |
| STORM DRAIN SYSTEM "A", CENTURY VAULTS | |
| V_p = 11,992 C.F. | |

| | |
|------------------------|---|
| TOTAL VOLUME PROVIDED: | |
| V_p | = 11,992 C.F. (UNDERGROUND) + 14,000 C.F. (SURFACE) |
| V_p | = 25,992 C.F. |

V_R = 23,753 C.F. < V_p = 25,992 C.F.

RETENTION VOLUME TABLE

| VOLUME REQUIRED | VOLUME PROVIDED | AS-BUILT VOLUME |
|-----------------|-----------------|-----------------|
| 23,753 CU. FT. | 25,992 CU.FT. | |

SITE ADDRESS

SE COR PECOS RD & SOSSAMAN RD
MESA, ARIZONA

SITE AREA

| | | |
|--------------|---|--|
| PARCEL NO 1: | | |
| (GROSS) | = | 128,705 SQ. FT. OR 2.95 ACRES MORE OR LESS |
| (NET) | = | 82,860 SQ. FT. OR 1.90 ACRES MORE OR LESS |

ASSESSORS PARCEL NUMBER

A.P.N. 304-61-010C

BENCHMARK

CITY OF MESA BRASS TAG ON TOP OF CULVERT (BRIDGE) NORTH OF THE INTERSECTION OF SOSSAMAN & GERMANN.
ELEVATION=1356.84" (NAVD88)

TBM 1 = FOUND 3" BRASS CAP IN HAND HOLE DOWN -0.5' WEST 1/4 CORNER SECTION 5, T25, R7E SSMN+PCS
ELEVATION=1354.17'

TBM 2 = SET CHISELED BOX WITH X, SOUTHEAST CORNER OF TRANSFORMER PAD AT NORTHWEST CORNER OF SUBJECT PROPERTY
ELEVATION=1355.93'

BASIS OF BEARING

THE WEST LINE OF THE SOUTHWEST QUARTER OF SECTION 5, TOWNSHIP 2 SOUTH, RANGE 7 EAST WAS ASSUMED NORTH 00°44'51" WEST.

FLOOD ZONE

THE SUBJECT PROPERTY IS LOCATED WITHIN SHADED ZONE "X" DEFINED AS "AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREA PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD; PER FIRM MAP NO. 04013C2770L DATED OCTOBER 16, 2013.

ZONING

THE SUBJECT PROPERTY LIES WITHIN THE CITY OF MESA "LIGHT INDUSTRIAL" (LI) AS SHOWN ON THE CITY OF MESA ZONING MAP.

UTILITY NOTE

UNDERGROUND UTILITIES & STORM DRAIN LOCATIONS SHOWN HEREON ARE BASED ON FIELD OBSERVATIONS AND "BLUE STAKE" MARKINGS AND AVAILABLE MAPS OBTAINED FROM UTILITY COMPANIES AND THE CITY OF MESA, AZ.. ACTUAL LOCATIONS MAY VARY FROM LOCATIONS SHOWN HEREON.

OWNER / DEVLOPER

CIRCLE K STORES, INC.
1130 WEST WARNER ROAD
TEMPE, ARIZONA 85284
CONTACT: JORDAN RIDBERG, REAL ESTATE DEVELOPMENT MANAGER
EMAIL: JORDAN.RIDBERG@CIRCLEK.COM

ENGINEER

WESTWOOD PROFESSIONAL SERVICES
6909 EAST GREENWAY PARKWAY, SUITE 250
SCOTTSDALE, AZ 85254
TELE: 480-747-6558
CONTACT: MICHAEL CAYLOR, P.E.
EMAIL: MICHAEL.CAYLOR@WESTWOODPS.COM

| | |
|------------------|-----|
| DESIGNED: | ACE |
| CHECKED: | MVC |
| DRAWN: | ACE |
| FIELD CREW: | |
| FIELD WORK DATE: | |
| SCALE: 1" = | N/A |
| SCALE: 1" = | N/A |

Westwood

6909 East Greenway Parkway, Suite 250
Scottsdale, Arizona 85254
(480) 747-6558
Fax (480) 367-8025
westwoodps.com

Westwood Professional Services, Inc.

COVER SHEET

CIRCLE K

SE COR PECOS RD & SOSSAMAN RD

MESA, ARIZONA

Q.S.#3538



SHEET NUMBER:

C1 OF 11

DATE: 2025-10-07

PROJ: 005162600

PRELIMINARY NOT FOR
CONSTRUCTION 2025-10-07



CITY OF MESA GENERAL NOTES

- ALL WORK AND MATERIALS SHALL CONFORM TO THE CURRENT UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AS FURNISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS AND AS AMENDED BY THE CITY OF MESA. ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH THESE AMENDED SPECIFICATIONS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- SEPARATE RIGHT-OF-WAY PERMITS ARE REQUIRED FOR ALL PUBLIC UTILITIES, PUBLIC STREET IMPROVEMENTS, AND RIGHT-OF-WAY LANDSCAPING. FOR INFORMATION REGARDING AVAILABILITY AND COST OF RIGHT-OF-WAY PERMITS, CONTACT THE DEVELOPMENT SERVICES DEPARTMENT AT (480) 644-4273 OR AT [HTTP://WWW.MESAAZ.GOV/DEVELOPMENT/CONSTRUCTIONPERMITS.ASPX](http://www.mesaaz.gov/development/constructionpermits.aspx). THE CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED UNLESS OTHERWISE NOTED. CONTRACTORS MUST HOLD THE APPROPRIATE CLASS OF LICENSE AND SHALL HAVE ON FILE WITH THE PERMIT SERVICES SECTION PROOF OF INSURANCE COVERAGE. PERMITS BECOME INVALID AND MUST BE UPDATED IF WORK HAS NOT BEGUN WITHIN NINETY (90) DAYS. PERMITS ALSO BECOME INVALID IF THE CONTRACTOR'S INSURANCE LAPSES OR IS VOIDED.
- TWENTY FOUR (24) HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK, CONSTRUCTION OR DEMOLITION ASSOCIATED WITH THIS PERMIT, THE PERMITTEE SHALL NOTIFY CITY OF MESA ENGINEERING DEPARTMENT AT (480) 644-2251 OF INTENT TO BEGIN AND REQUEST/SCHEDULE PRELIMINARY FIELD REVIEW AT THE PROJECT SITE WITH THE CITY OF MESA ENGINEERING DEPARTMENT CONSTRUCTION INSPECTOR (CITY INSPECTOR). FAILURE TO PROVIDE PROPER INSPECTION NOTIFICATION AS PRESCRIBED ABOVE SHALL RESULT IN THIS PERMIT BECOMING INVALID AND WORK BEING STOPPED.
- CONTRACTOR'S SHALL COMPLY WITH THE REQUIREMENTS TO OBTAIN THE NECESSARY RIGHT-OF-WAY PERMITS AND SHALL COMPLY WITH THE RIGHT-OF-WAY PERMIT CONDITIONS AS FOUND ON THE BACK OF THE PERMIT FORM.
- THE CITY OF MESA PARKS & RECREATION DIVISION IS NOT REPRESENTED BY BLUE STAKE. WHEN THE CONTRACTOR EXCAVATES NEAR OR ADJACENT TO A CITY PARK, THE CONTRACTOR SHALL CONTACT THE PARKS & RECREATION ADMINISTRATION SECTION AT (480) 644-2354 TO REQUEST ASSISTANCE IN LOCATING ALL THEIR UNDERGROUND FACILITIES.
- THE CONTRACTOR SHALL OBTAIN AN EARTH-MOVING PERMIT FROM THE MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT AND SHALL COMPLY WITH ITS REQUIREMENTS FOR DUST CONTROL.
- THE ENGINEER HEREBY CERTIFIES AS EVIDENCED BY A PROFESSIONAL SEAL & SIGNATURE, THAT ALL AFFECTED UTILITY COMPANIES BOTH PUBLIC AND PRIVATE HAVE BEEN CONTACTED AND ALL EXISTING AND/OR PROPOSED UTILITY LINES AND OTHER RELATED INFORMATION HAVE BEEN TRANSFERRED ONTO THESE PLANS. THE ENGINEER OR ARCHITECT ALSO HEREBY CERTIFIES THAT ALL EXISTING AND/OR PROPOSED PUBLIC RIGHT-OF-WAY AND EASEMENTS HAVE BEEN CORRECTLY PLOTTED/SHOWN.
- THE ENGINEER, OR LAND SURVEYOR OF RECORD SHALL CERTIFY UPON COMPLETION OF CONSTRUCTION THAT ALL PUBLIC IMPROVEMENTS (WATER AND SEWER UTILITIES, STORM SEWER, CONCRETE, PAVING, STREET LIGHTS, ETC.) HAVE BEEN INSTALLED AT THE LOCATIONS AND ELEVATIONS SHOWN ON THE APPROVED PLANS. ANY CHANGES SHALL BE REFLECTED ON "AS-BUILT" DRAWINGS PROVIDED BY THE ENGINEER TO THE CITY'S ENGINEERING DEPARTMENT.
- THE REGISTERED ENGINEER OR LAND SURVEYOR SHALL CERTIFY THAT THE MINIMUM HORIZONTAL AND VERTICAL SEPARATIONS BETWEEN UTILITIES WITHIN PUBLIC RIGHT-OF-WAY AND EASEMENTS HAVE BEEN MAINTAINED AS REQUIRED BY LAW OR POLICY.
- THE DEVELOPER SHALL PROVIDE ALL CONSTRUCTION STAKING FOR THE PROJECT.
- THE DEVELOPER OR THE ENGINEER IS RESPONSIBLE FOR ARRANGING FOR THE RELOCATION OR REMOVAL OF ALL UTILITIES OR FACILITIES THAT ARE IN CONFLICT WITH THE PROPOSED PUBLIC IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ALL UTILITIES, POWER POLES, IRRIGATION DRY-UPS, RESETS REMOVALS BY OTHERS, ETC.
- THE CONTRACTORS SHALL LOCATE ALL UTILITIES PRIOR TO EXCAVATION AND AVOID DAMAGE TO SAME. CALL (602) 263-1100 FOR BLUE STAKE TWO WORKING DAYS PRIOR TO DIGGING. CALL SALT RIVER PROJECT FOR POLE BRACING, ELECTRIC SERVICE OR CONSTRUCTION SCHEDULING AT (602) 273-8888.
- WHEN GAS MAINS AND/OR SERVICES ARE EXPOSED, CONTACT THE CITY OF MESA AT (480) 644-2261 FOR INSPECTION OF THE EXPOSED PIPE AND COATING PRIOR TO BACKFILLING OF THE TRENCH.
- CONTRACTORS SHALL COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AND BARRICADING PER THE CURRENT CITY OF MESA TRAFFIC BARRICADE MANUAL.
- IF A FIRE HYDRANT IS NEEDED TO OBTAIN CONSTRUCTION WATER, THE CONTRACTOR SHALL OBTAIN A FIRE HYDRANT METER FROM PERMIT SERVICES AND PAY ALL APPLICABLE FEES AND CHARGES.
- IF DURING THE CONSTRUCTION OF A PUBLIC FACILITY, THE CONTRACTOR FAILS TO OR IS UNABLE TO COMPLY WITH A REQUEST OF THE CITY INSPECTOR, AND IT IS NECESSARY FOR CITY FORCES TO DO WORK THAT IS NORMALLY THE CONTRACTOR'S RESPONSIBILITY, THE CITY SHALL BE JUSTIFIED IN BILLING THE CONTRACTOR. EACH INCIDENT REQUIRING WORK BY CITY FORCES SHALL BE COVERED BY A SEPARATE BILLING AT THE CURRENT APPLICABLE RATES.
- THE CONTRACTOR IS ADVISED THAT DAMAGE TO PUBLIC SERVICES OR SYSTEMS AS A RESULT OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AND INSPECTED BY THE CITY INSPECTOR. UNLESS OTHERWISE APPROVED BY THE CITY, ALL REPAIRS SHALL BE DONE WITHIN 24 HOURS. THE CONTRACTOR IS ADVISED THAT ANY COSTS RELATED TO REPAIR OR REPLACEMENT OF DAMAGED PUBLIC SERVICES AND SYSTEMS AS A RESULT OF CONTRACTOR'S ACTIVITIES SHALL BE BORNE BY THE CONTRACTOR.

CITY OF MESA PUBLIC STREET/RIGHT-OF-WAY IMPROVEMENT NOTES

- THE DEVELOPER AND THE CONTRACTOR ARE REQUIRED TO COORDINATE THE PLACEMENT OR INSTALLATION OF DRIVEWAYS IN ORDER TO AVOID CONFLICT WITH UTILITY SERVICES. PAGE 3 OF 7
- ALL FRAMES, COVERS, VALVE BOXES, MANHOLES, ETC., SHALL BE INSTALLED TO FINISH GRADE OR SHALL BE ADJUSTED TO FINISH GRADE AFTER PLACING OF ASPHALTIC SURFACE COURSE BY THE CONTRACTOR PER M.A.G. STANDARD DETAIL 270 AND 422.
- THE CONTRACTOR SHALL ADJUST ALL FRAMES, COVERS, VALVE BOXES, MANHOLES, ETC. THAT ARE LOCATED WITHIN THE PARKWAY AREA AFTER FINAL GRADING AND INSTALLATION OF LANDSCAPING.
- ALL LANDSCAPING IMPROVEMENTS, INCLUDING IRRIGATION SYSTEMS WITHIN THE PUBLIC RIGHT-OF-WAY OR RETENTION BASINS THAT ARE TO BE MAINTAINED BY THE CITY OF MESA, SHALL BE IN ACCORDANCE WITH THE LANDSCAPING AND IRRIGATION STANDARDS BOOKLET.
- THE STREET PAVING PERMITTEE/CONTRACTOR IS HEREBY NOTIFIED THAT IN THE EVENT THAT ACCEPTANCE OF THE PUBLIC STREET PAVING IS DELAYED, SIX MONTHS OR MORE AFTER THE PAVEMENT WAS INSTALLED, THE PERMITTEE/CONTRACTOR SHALL APPLY A SEAL COAT TO THE PAVEMENT. TYPE OF MATERIAL AND RATE OF APPLICATION WILL BE DIRECTED BY THE CITY OF MESA ENGINEERING DEPARTMENT.
- A STANDARD RESIDENTIAL DRIVEWAY APPROACH SHALL BE CONSTRUCTED TO A MAXIMUM WIDTH OF 30 FEET UNLESS SPECIAL APPROVAL HAS BEEN OBTAINED.

CITY OF MESA
WATER, WASTEWATER AND STORM DRAIN GENERAL NOTES

- MATERIALS AND INSTALLATION OF WATER AND SEWER MAINS, WATER METERS AND SERVICE LINE CONNECTIONS SHALL CONFORM TO CURRENT CITY DETAILS, MESA AMENDMENTS TO MAG SPECIFICATION AND AS AMENDED BY THE CITY OF MESA. SEE BELOW FOR APPROVED PRODUCT LISTS FOR WATER AND WASTEWATER.

[HTTPS://WWW.MESAAZ.GOV/BUSINESS/ENGINEERING/MESA-STANDARD-DETAILS-SPECIFICATIONS](https://www.mesaaz.gov/business/engineering/mesa-standard-details-specifications)
- IN ACCORDANCE WITH ARIZONA ADMINISTRATIVE CODE (A.A.C.) R18-4-213, ALL MATERIALS WHICH MAY COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NATIONAL SANITATION FOUNDATION (NSF) STANDARDS 60, 61, AND 372 AND SHALL BE LEAD-FREE AS DEFINED IN A.A.C. R18-5-504 AND R18-4-101.
- THE CONTRACTOR IS RESPONSIBLE TO PROVIDE NECESSARY FITTINGS AND ADAPTERS REQUIRED TO CONNECT DIFFERENT TYPES OF WATER MAIN MATERIALS.
- PER MESA AMENDMENTS 610.4.2 ALL MINOR VERTICAL OR HORIZONTAL DEFLECTIONS SHALL BE BY PIPE JOINT DEFLECTION UNLESS OTHERWISE NOTED. PIPE JOINT DEFLECTION SHALL NOT EXCEED 3 DEGREES OR 2/3 OF PIPE MANUFACTURER'S RECOMMENDATIONS WHICHEVER IS LESS.
- PER MAG AND MESA AMENDMENTS 610.11 ALL WATER LINE TESTS SHALL BE COMPLETED SO THAT NO EXISTING LINES, EXISTING VALVES, OR NEWLY INSTALLED VALVES WHICH ARE CONNECTED TO THE OPERATING WATER SYSTEM ARE INCLUDED IN THE TESTS. RELATED WORK ASSOCIATED WITH THIS PERMIT SHALL BE COMPLETED TO MAG AND MUST BE COORDINATED WITH THE CITY INSPECTOR. FOR A DAYTIME TIE-IN, THE CONTRACTOR SHALL COMPLETE ALL WORK NECESSARY TO RESTORE UTILITY SERVICE AND FULLY OPEN THE TIE-IN AREA TO TRAFFIC WITHIN THE TIME ALLOWED.
- WATER LINE FLUSHING, PRESSURE TESTING, AND DISINFECTION SHALL BE COMPLETED PER MAG SPECIFICATION SECTION 611, MESA AMENDMENTS TO MAG SPECIFICATION SECTION 611, AND AWWA C651 (CURRENT VERSION).
- SOURCE WATER UTILIZED FOR FILLING, FLUSHING AND TESTING SHALL BE OBTAINED FROM A HYDRANT METER ORDERED THROUGH PERMIT SERVICES AND SET BY CITY OF MESA WATER RESOURCES STAFF. IT IS PROHIBITED TO OPEN A VALVE TO THE EXISTING WATER SYSTEM TO FILL A NEWLY CONSTRUCTED OR REPAIRED PIPELINE AS OUTLINED IN THE MESA AMENDMENTS TO MAG SECTION 610.11 AND 611.
- WATER METERS, METER BOXES, LIDS, ETC. IN CONFLICT WITH NEW CONSTRUCTION SHALL BE RELOCATED PER CITY OF MESA STANDARD DETAIL M-49 BY THE CONTRACTOR. THE RELOCATION SHALL INCLUDE ALL MATERIALS NECESSARY TO RECONNECT THE METER TO THE CITY DISTRIBUTION SYSTEM. SERVICE LINE EXTENSIONS, IF APPROVED IN WRITING BY MESA WATER RESOURCES DEPARTMENT, SHALL CONFORM TO MESA STANDARD DETAIL M-49. WHEN SERVICE LINE EXTENSIONS ARE APPROVED PER MESA STANDARD DETAIL M-49, SERVICE LINE COUPLINGS SHALL NOT BE PLACED UNDER ROADWAY SURFACES, CONCRETE GUTTERS, CURB AND GUTTER, OR CONCRETE DRIVEWAYS.
- VALVES SHALL BE INSTALLED WITH VALVE BOX AND COVER PER MAG STD DETAILS 391-1, TYPE C WITH A DEEP-SKIRTED LID (4-INCHES MINIMUM) AS NOTED IN THE APPROVED PRODUCTS LIST.
- ALL WATER LINE ABANDONMENT CUT AND PLUGS FOR ACTIVE LINES SHALL CONFORM TO THE FOLLOWING:
 - 12" AND SMALLER DIAMETER PER MESA STANDARD DETAIL M-50.
 - 16" DIAMETER PER M.A.G. STANDARD DETAIL 390, TYPE B.
 - GREATER THAN 16" DIAMETER, AS DESIGNED PER PLAN.
- LIIME-TREATED AGGREGATE BASE COURSE (ABC) MATERIAL, RECLAIMED CONCRETE MATERIAL (RCM), AND RECLAIMED ASPHALT PAVEMENT (RAP) MATERIALS ARE PROHIBITED FOR USE IN THE PIPE EMBEDMENT ZONE (BEDDING, HAUNCHING, INITIAL BACKFILL) FOR WATERLINE CONSTRUCTION PER MESA AMENDMENTS 601.4.2.
- PER MESA AMENDMENTS 610.11, APPLICATIONS TO THE CITY OF MESA ENGINEERING INSPECTOR AND REVIEWED AND APPROVED BY THE WATER RESOURCES DEPARTMENT FOR WATER SYSTEM SHUTDOWN FOR THE PURPOSES OF CONSTRUCTION-RELATED ACTIVITIES SHALL BE MADE A MINIMUM OF FIVE (5) BUSINESS DAYS PRIOR TO THE SCHEDULED SHUTDOWN DATE. THE REQUEST SHALL INCLUDE PRIMARY AND SECONDARY VALVE NUMBERS, WHETHER A TEST SHUTDOWN IS REQUESTED, AND THE DATE AND DURATION OF THE REQUESTED SHUTDOWN. PER MAG 610.11, THE CITY OF MESA DOES NOT GUARANTEE A COMPLETE SHUTDOWN.
- REQUIRED BACKFLOW PREVENTION ASSEMBLIES SHALL INCLUDE MANUFACTURERS AND MODELS DESIGNATED IN THE CURRENT "LIST OF APPROVED BACKFLOW PREVENTION ASSEMBLIES" AS PUBLISHED BY THE FOUNDATION FOR CROSS CONNECTION CONTROL AND HYDRAULIC RESEARCH, UNIVERSITY OF SOUTHERN CALIFORNIA.
- BACKFLOW PREVENTION ASSEMBLIES SHALL BE TESTED AND APPROVED BY A CERTIFIED TECHNICIAN DESIGNATED IN THE CURRENT CITY OF MESA "LIST OF APPROVED INSPECTORS" PRIOR TO THE REQUEST FOR FINAL INSPECTION.
- ALL WATER METERS ARE TO BE SUPPLIED BY THE CITY OF MESA. CHARGES FOR INSTALLING NEW SERVICES AND METERS WILL BE IN ACCORDANCE WITH THE CURRENT UTILITY SERVICE FEE SCHEDULE. METERS TWO INCHES OR LESS WILL BE DELIVERED AND INSTALLED BY CITY FORCES. METERS LARGER THAN TWO INCHES WILL BE DELIVERED BY THE CITY AND INSTALLED BY THE CONTRACTOR AND REQUIRE SCHEDULING AND INSPECTIONS WITH CITY FORCES. CONTACT THE DEVELOPMENT SERVICES DEPARTMENT AT 480-644-4273 FOR THE SPECIFIC PROCEDURE. SEE M-27.01 FOR MORE INFORMATION.
- FOR PROJECTS INVOLVING PUBLIC WATER MAINS WITH DIAMETERS 20" AND LARGER, THE FOLLOWING SHALL APPLY:
 - PROCUREMENT OF PIPES AND APPURTENANCES SHALL NOT COMMENCE UNTIL SHOP DRAWINGS AND PRODUCT DATA SUBMITTALS HAVE BEEN REVIEWED AND ACCEPTED IN WRITING BY THE CITY OF MESA WATER RESOURCES DEPARTMENT.
 - SUBMITTALS AND SHOP DRAWINGS SHALL INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:
 - PIPE AND FITTINGS
 - PIPE APPURTENANCES (ISOLATION VALVES, AIR RELEASE VALVES, HYDRANTS, ETC)
 - CORROSION MONITORING AND PROTECTION SYSTEMS (WHERE APPLICABLE)
 - FABRICATION/LAY DRAWINGS (FOR C200 STEEL OR C303 CONCRETE CYLINDER PIPE)
 - VALID WELDER'S CERTIFICATIONS (FOR C200 OR C303 CONCRETE CYLINDER PIPE)
 - ALL FIELD WELDS SHALL BE MADE AVAILABLE FOR INSPECTION BY THE CITY OR THE CITY'S REPRESENTATIVE PRIOR TO GROUTING.
 - ADDITIONAL REQUIREMENTS FOR C200 STEEL AND C303 CONCRETE CYLINDER PIPE WITH DIAMETERS 30" AND LARGER ARE AS FOLLOWS:
 - EACH PIPE SECTION SHALL BE MADE AVAILABLE FOR VISUAL AND SOUNDING INSPECTIONS BY CITY STAFF OR THE CITY'S REPRESENTATIVE PRIOR TO INSTALLATION. PIPES FAILING INSPECTIONS SHALL BE REPAIRED OR REPLACED AS DETERMINED BY THE CITY.
 - INSTALLED PIPE SHALL BE MADE AVAILABLE FOR INTERNAL VISUAL AND SOUNDING INSPECTIONS BY CITY STAFF OR THE CITY'S REPRESENTATIVE PRIOR TO FILLING. PIPES FAILING INSPECTIONS SHALL BE REPAIRED OR REPLACED AS DETERMINED BY THE CITY.
- WHEN GROUTING OR CASTING CONCRETE AROUND PVC SEWER PIPE, SUCH AS AT MANHOLE OR VAULT PENETRATIONS, THE CONTRACTOR SHALL INSTALL WATER STOPS PER MESA AMENDMENTS TO MAG SPECIFICATION 625 AND MANUFACTURERS RECOMMENDATIONS.
- SEWER BUILDING CONNECTION LATERALS SHALL BE INSTALLED PER MAG STANDARD DETAIL 440. LATERAL WYES SHALL BE INSTALLED AT NO GREATER THAN A 45 DEGREE ANGLE FROM HORIZONTAL. SEWER LATERAL SLOPES SHALL BE AS INDICATED ON MAG STANDARD DETAIL 440 AND IN NO CIRCUMSTANCE SHALL SEWER LATERAL SLOPES EXCEED 7/8" PER FOOT FOR 6" LATERALS AND 1-1/2" PER FOOT FOR 4" LATERALS. FITTINGS SHALL BE INSTALLED WITH NO ANGULAR JOINT DEFLECTION AND ALL CONNECTIONS SHALL BE GASKETED OR SEALED PER MAG SPECIFICATIONS.
- SEWER MANHOLE BASES, BENCHES, SHELVES, AND CHANNELS SHALL BE CONSTRUCTED PER MAG STANDARD DETAIL 420. EACH INLET PIPE SHALL HAVE A DESIGNATED, FORMED CHANNEL AND BENCHING. THE DIMENSIONS OF CHANNELS, SHELF SLOPE, AND MINIMUM INLET PIPE ANGLES SHALL BE CONSTRUCTED PER MAG STANDARD DETAIL 420-3.
- PER MESA DESIGN STANDARDS, SEWER MANHOLES SHALL BE CONSTRUCTED PER MAG STANDARD DETAILS 420-1, TYPE 'A' TOP; AND 423-2 EXCEPT THAT:
 - MANHOLE SHAFT DIAMETERS SHALL BE 5 FEET.
 - MANHOLE RINGS AND COVERS SHALL HAVE 30-INCH DIAMETERS.
 - STEPS SHALL NOT BE INCLUDED.

CITY OF MESA NATURAL GAS UTILITY NOTES

- ALL WORK AND MATERIALS SHALL CONFORM TO THE MOST CURRENT CITY OF MESA GAS OPERATIONS, MAINTENANCE, EMERGENCY RESPONSE AND CONSTRUCTION PRACTICE MANUAL.
- WHEN GAS MAINS AND/OR SERVICES ARE EXPOSED, CONTACT THE CITY OF MESA AT (480) 644-2261 FOR INSPECTION OF THE EXPOSED PIPE AND COATING PRIOR TO BACKFILLING OF THE TRENCH.
- BEDDING OR SHADING MATERIAL ADJACENT TO THE CITY OF MESA GAS PIPE SHALL BE SELECT SANDY TYPE SOIL FREE OF ROCK AND DEBRIS THAT WILL PASS THROUGH A 3/8" SCREEN AS INSPECTED AND APPROVED BY CITY GAS INSPECTION PERSONNEL.
- THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS AS INDICATED ON THE CITY OF MESA DETAIL M-58 WHEN TRENCHING FOR THE WATERLINE WHERE A GAS MAIN IS TO BE INSTALLED IN THE SAME TRENCH.
- CONTACT CITY OF MESA GAS DIVISION AT 480-644-2753 FOR SCHEDULING AND COORDINATION OF THE INSTALLATION OF NATURAL GAS SERVICES AND MAINS.
- GAS LINE SHALL MAINTAIN A NOMINAL 12" (MINIMUM OF 8") SEPARATION FROM EXISTING WATER, SEWER, ELECTRICAL, CABLE TV AND TELCO FACILITIES.
- CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS OF ALL EXISTING UTILITIES AND AVOIDING DAMAGE TO SAME. CALL (602) 263-1100 FOR BLUE STAKE SERVICES. OUTSIDE MARICOPA COUNTY CALL 1-800-STAKEIT.
- ALL GAS NOTES IN DASHED BOXES ARE TO BE COMPLETED BY CITY OF MESA CREWS OR CITY OF MESA GAS LINE CONTRACTOR.

CITY OF MESA NON-CITY UTILITY NOTES

EL PASO NATURAL GAS:

- THE CONTRACTOR SHALL NOTIFY EL PASO NATURAL GAS (602) 967-1686 48 HOURS PRIOR TO COMMENCING CONSTRUCTION IN THE VICINITY OF EL PASO NATURAL GAS RIGHT-OF-WAY.

MARICOPA COUNTY:

- ALL CONSTRUCTION WITHIN MARICOPA COUNTY RIGHT-OF-WAY SHALL CONFORM TO CURRENT MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION STANDARD PROVISIONS FOR CONSTRUCTION OF STREET IMPROVEMENTS AND INSTALLATION OF UNDERGROUND UTILITIES.
- CONTRACTORS ARE TO OBTAIN ALL NECESSARY MARICOPA COUNTY DEPARTMENT OF TRANSPORTATION PERMITS PRIOR TO CONSTRUCTION WITHIN MARICOPA COUNTY RIGHT-OF-WAY.

ROOSEVELT WATER CONSERVATION DISTRICT (RWCD):

- CONTRACTORS SHALL OBTAIN A PERMIT FROM RWCD PRIOR TO CROSSING, REMOVING REPLACING OR MAKING ANY MODIFICATIONS TO RWCD FACILITIES.

LEGEND

| | | | |
|--|-----------------------------|----------|---------------------------------|
| | PROPERTY LINE | C.O.M. | CITY OF MESA |
| | RIGHT OF WAY LINE | R.O.W. | RIGHT OF WAY |
| | SECTION LINE | M.C.R. | MARICOPA COUNTY RECORDER OFFICE |
| | CENTER LINE | A.P.N. | ASSESSOR PARCEL NUMBER |
| | EASEMENT LINE | P.U.E. | PUBLIC UTILITY EASEMENT |
| | HIGH WATER LINE | B/C | BACK CURB |
| | CONTOUR LINE | F/C | FACE CURB |
| | EXISTING CONTOUR LINE | B/W | BACK WALK |
| | UNDERGROUND UTILITY | F/W | FACE WALK |
| | EDGE OF PAVEMENT | TC | TOP CURB ELEVATION |
| | SURVEY MONUMENT IN HANDHOLE | G | GUTTER ELEVATION |
| | SURVEY MONUMENT FLUSH | P | PAVEMENT ELEVATION |
| | FOUND SURVEY MONUMENT | C | CONCRETE ELEVATION |
| | SIGN | NG | NATURAL GROUND |
| | CABLE TV | INV | INVERT |
| | UNDERGROUND ELECTRIC | VG | VALLEY GUTTER |
| | CABLE TV RISER | BOT | BOTTOM BANK |
| | OVERHEAD ELECTRIC | TW | TOP WALL |
| | SEWER | B.S.L. | BUILDING SETBACK LINE |
| | SEWER MANHOLE | L.S.L. | LANDSCAPE SETBACK LINE |
| | GAS VALVE | T.VLT. | TELEPHONE VAULT |
| | UNDERGROUND WATER | T.R. | TELEPHONE RISER |
| | WATER VALVE | T | UNDERGROUND TELEPHONE |
| | FIRE HYDRANT | OHE | OVERHEAD ELECTRIC |
| | POWER POLE W/LIGHT | D.G. | DOWN GUY |
| | POWER POLE | P.P. | POWER POLE |
| | UNDERGROUND GAS | E | UNDERGROUND ELECTRIC |
| | UNDERGROUND FIBER OPTIC | CTV | UNDERGROUND CABLE TV |
| | DOWN GUY | CT.J.B. | CABLE TV J-BOX |
| | POWER POLE | T.S.J.B. | TRAFFIC SIGNAL J-BOX |
| | POWER POLE | T.S.C.B. | TRAFFIC SIGNAL CONTROL BOX |
| | POWER POLE | T.S.C.B. | TRAFFIC SIGNAL |

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SHEET NUMBER:

C2 OF 11

CITY NOTES
CIRCLE K
SE COR PECOS RD & SOSSAMAN RD
MESA, ARIZONA

Q.S.#3538



PRELIMINARY NOT FOR
CONSTRUCTION 2025-10-07



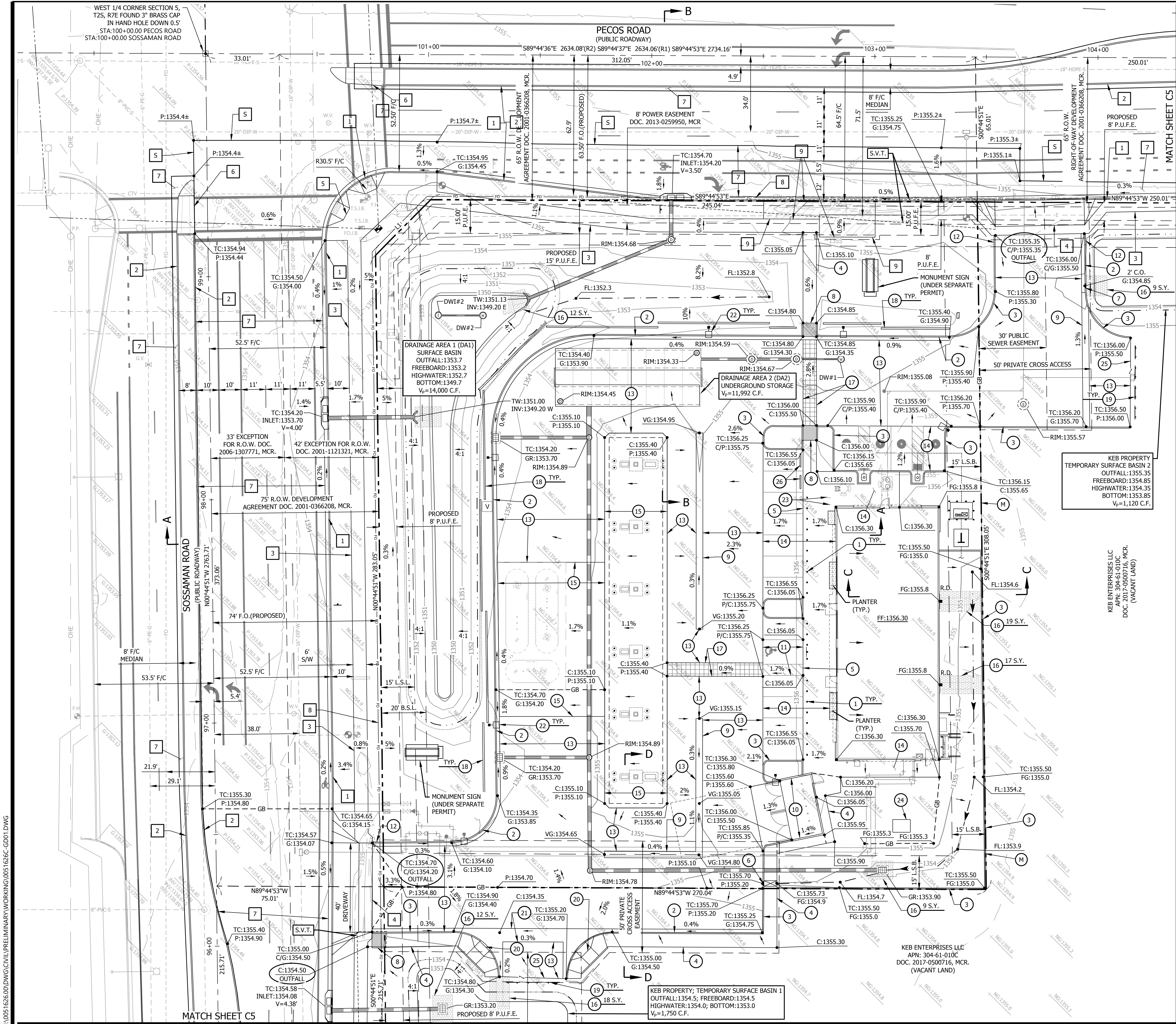
DATE: 2025-10-07
PROJ: 0051626600

INITIAL ISSUE: 2025-09-17

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| DRAWN: | ACE | FIELD CREW: | |
| FIELD WORK DATE: | | SCALE: 1" = 20' | HORIZONTAL |
| SCALE: 1" = 20' | | | VERTICAL |

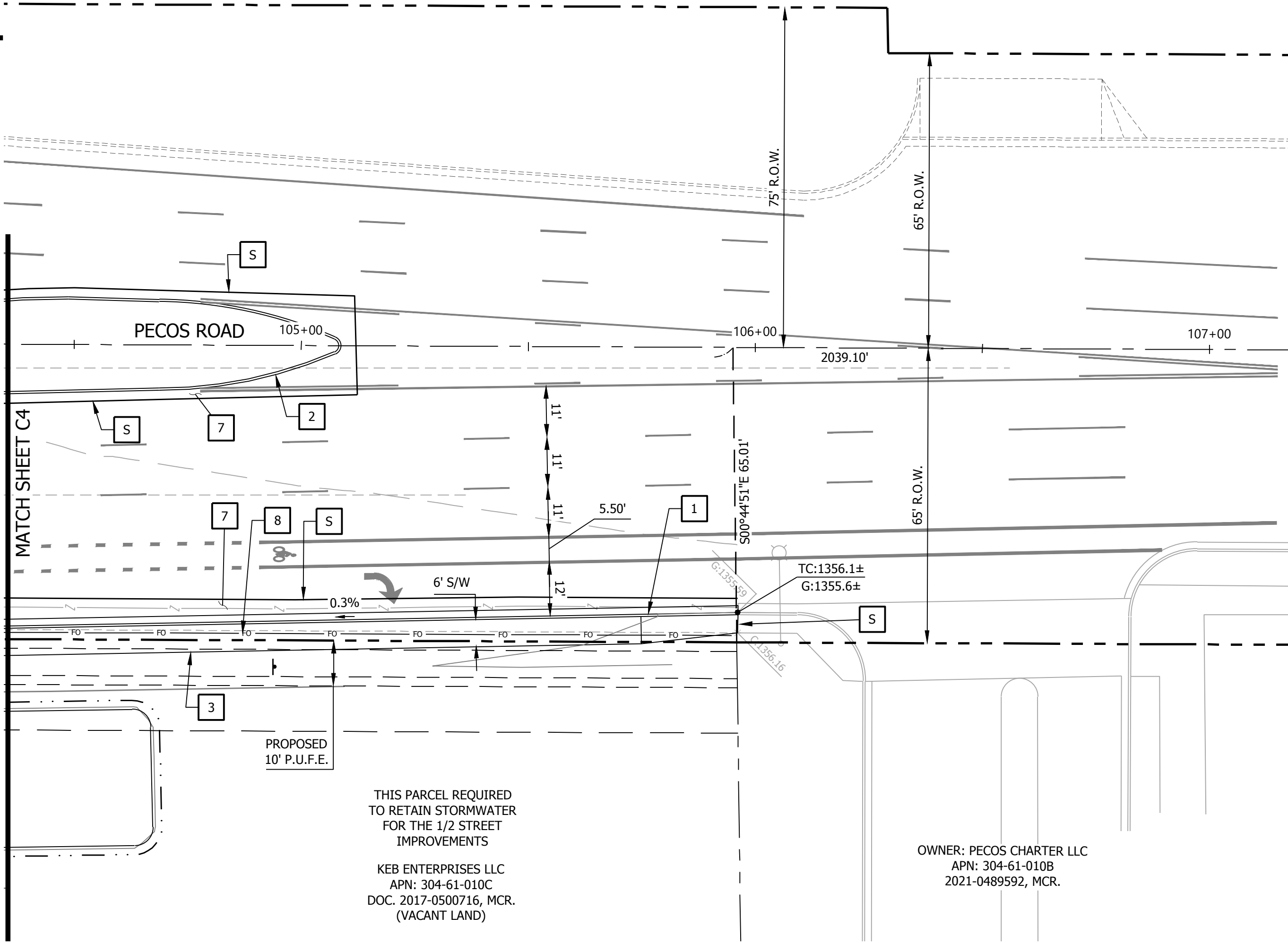
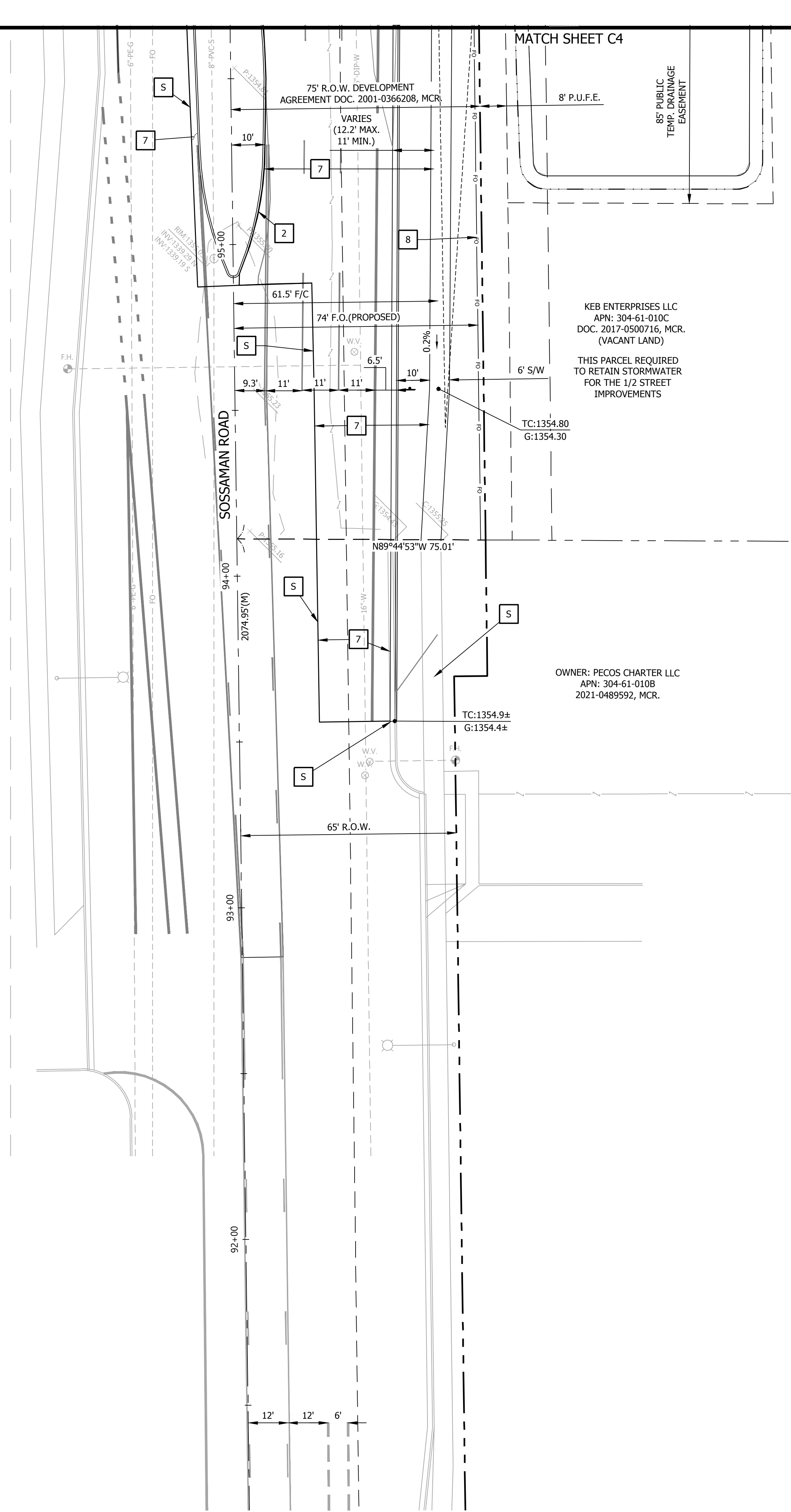
Westwood
6909 East Greenway Parkway, Suite 250
Phoenix, AZ 85044
Phone (480) 747-6558
Fax (480) 367-8025
www.westwoodps.com
Westwood Professional Services, Inc.





- OFFSITE PAVING CONSTRUCTION NOTES
- 1 CONSTRUCT VERTICAL CURB AND GUTTER PER M.A.G. DETAIL 220-1, TYPE 'A'.
 - 2 CONSTRUCT RASIED MEDIAN PER C.O.M. DETAIL M-46.05.2 WITH SINGLE CURB PER M.A.G. DETAIL 222, TYPE 'B'.
 - 3 CONSTRUCT CONCRETE SIDEWALK PER C.O.M. DETAIL M-43, 6" MINIMUM.
 - 4 CONSTRUCT 40' WIDE CONCRETE DRIVEWAY PER C.O.M. DETAIL M-42.
 - 5 CONSTRUCT DIRECTIONAL SIDEWALK RAMPS PER C.O.M. DETAIL M-44.04.01
 - 6 CONSTRUCT CROSSWALK MEDIAN PER C.O.M. DETAIL M-46.01.
 - 7 INSTALL ARTERIAL STREET PAVEMENT SECTION (MIN); 2" (A1/2") A.C. 3.5" A.C. ON 10" A.B.C. PER C.O.M. DETAIL M-19.01
 - 8 INSTALL 2" FIBER OPTIC QUAD-DUCT BANK PER C.O.M. DETAIL M-66
 - 9 CONSTRUCT BUS PULLOUT SHELTER & WHEEL CHAIR PAD PER C.O.M. DETAIL M-45.01
 - 5 SAWCUT & MATCH EXISTING

- PAVING CONSTRUCTION NOTES
- 1 INSTALL BOLLARD PER M.A.G. DETAIL 140, TYPE 1 PERMANENT. SEE ARCHITECTS PLANS FOR SURFACE TREATMENT & COLOR DETAILS (IF APPLICABLE).
 - 2 CONSTRUCT VERTICAL CURB AND GUTTER PER M.A.G. DETAIL 220-1, TYPE 'A'.
 - 3 CONSTRUCT SINGLE CURB PER M.A.G. DETAIL 222, TYPE 'B'.
 - 4 CONSTRUCT SIDEWALK PER M.A.G. DETAIL 230, 6" MIN. WIDTH UNLESS NOTED ON PLANS
 - 5 CONSTRUCT TURNDOWN SIDEWALK, FLUSH PER DETAIL SHEET C6.
 - 6 CONSTRUCT SCUPPER PER M.A.G. DETAIL 203, A = 2.5'
 - 7 CONSTRUCT CURB OPENING PER DETAIL SHEET C6.
 - 8 CONSTRUCT ACCESSIBLE RAMP PER C.O.M. DETAIL M-44.05, TYPE 'D', MODIFIED WITH NO DETECTABLE WARNING.
 - 9 CONSTRUCT 3' WIDE VALLEY GUTTER PER DETAIL SHEET C6.
 - 10 CONSTRUCT DOUBLE WIDE REFUSE COLLECTION ENCLOSURE PER C.O.M. DETAIL M-62.02.01; SEE ARCHITECTS PLANS FOR SURFACE TREATMENT & COLOR DETAILS (IF APPLICABLE).
 - 11 ACCESSIBLE PARKING AREA. SLOPE NOT TO EXCEED 2% IN ANY DIRECTION.
 - 12 CONSTRUCT CURB TERMINATION PER M.A.G. DETAIL 222.
 - 13 CONSTRUCT HEAVY ASPHALT PAVEMENT SECTION: 4.5" A.C. (19mm) ON 9" ABC FOR ALL PARKING AREAS AND AUTO DRIVE AREAS PER SOILS REPORT PREPARED BY: SPEEDIE & ASSOC., PROJECT 240949SA, DATED JUNE 21,2024.
 - 14 CONSTRUCT STANDARD CONCRETE PAVEMENT SECTION: 6.5" P.C.C.P. PER SOILS REPORT PREPARED BY: SPEEDIE & ASSOC., PROJECT 240949SA, DATED JUNE 21,2024.
 - 15 CONSTRUCT HEAVY CONCRETE PAVEMENT SECTION: 9" P.C.C.P. PER SOILS REPORT PREPARED BY: SPEEDIE & ASSOC., PROJECT 240949SA, DATED JUNE 21,2024.
 - 16 INSTALL RIP-RAP, D50 = 6" MIN.
 - 17 CONSTRUCT BRICK PAVEMENT CROSS WALK PER M.A.G. DETAIL 225; SEE ARCHITECTS PLANS FOR SURFACE TREATMENT & COLOR DETAILS (IF APPLICABLE).
 - 18 CONSTRUCT MASONRY SCREEN WALL 3'-4" MAX. HEIGHT, SEE ARCHITECTS PLAN FOR DETAIL, SURFACE TREATMENT & COLOR DETAILS (IF APPLICABLE).
 - 19 INSTALL BARRICADE PER M.A.G. DETAIL 130, TYPE 'B'.
 - 20 CONSTRUCT SIDEWALK RAMP PER C.O.M. DETAIL M44.02
 - 21 CONSTRUCT CONCRETE APRON & VALLEY GUTTER PER M.A.G. DETAIL 240.
 - 22 PROPOSED LIGHT POLE SEE ELECTRICAL PLANS FOR DETAILS.
 - 23 PROPOSED BICYCLE PARKING SEE SEE ARCHITECTS PLANS FOR DETAILS
 - 24 PROPOSED ELECTRICAL CABINET
 - 25 CONSTRUCT PAVEMENT EDGE DETAILS PER M.A.G. DETAIL 201, TYPE 'B'.
 - 26 INSTALL PRECAST SAFETY CURB PER M.A.G. DETAIL 150, TYPE 'A'.
 - (M) MATCH EXISTING



OFFSITE PAVING CONSTRUCTION NOTES

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- S SAWCUT & MATCH EXISTING

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- 4 CONSTRUCT SIDEWALK PER M.A.G. DETAIL 230, 6' MIN. WIDTH UNLESS NOTED ON PLANS
- 5 CONSTRUCT TURNDOWN SIDEWALK, FLUSH PER DETAIL SHEET C6.
- 6 CONSTRUCT SCUPPER PER M.A.G. DETAIL 203, A = 2.5'
- 7 CONSTRUCT CURB OPENING PER DETAIL SHEET C6.
- 8 CONSTRUCT ACCESSIBLE RAMP PER C.O.M. DETAIL M-44.05, TYPE 'D', MODIFIED WITH NO DETECTABLE WARNING.
- 9 CONSTRUCT 3' WIDE VALLEY GUTTER PER DETAIL SHEET C6.
- 10 CONSTRUCT DOUBLE WIDE REFUSE COLLECTION ENCLOSURE PER C.O.M. DETAIL M-62.02.01; SEE ARCHITECTS PLANS FOR SURFACE TREATMENT & COLOR DETAILS (IF APPLICABLE).
- 11 ACCESSIBLE PARKING AREA. SLOPE NOT TO EXCEED 2% IN ANY DIRECTION.
- 12 CONSTRUCT CURB TERMINATION PER M.A.G. DETAIL 222.
- 13 CONSTRUCT HEAVY ASPHALT PAVEMENT SECTION: 4.5" A.C. (19mm) ON 9" ABC FOR ALL PARKING AREAS AND AUTO DRIVE AREAS PER SOILS REPORT PREPARED BY: SPEEDIE & ASSOC., PROJECT 240949SA, DATED JUNE 21,2024.
- 14 CONSTRUCT STANDARD CONCRETE PAVEMENT SECTION: 6.5" P.C.C.P. PER SOILS REPORT PREPARED BY: SPEEDIE & ASSOC., PROJECT 240949SA, DATED JUNE 21,2024.
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- 18 CONSTRUCT MASONRY SCREEN WALL 3'-4" MAX. HEIGHT, SEE ARCHITECTS PLAN FOR DETAIL, SURFACE TREATMENT & COLOR DETAILS (IF APPLICABLE).
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- (M) MATCH EXISTING

PRELIMINARY NOT FOR
CONSTRUCTION 2025-10-07



SHEET NUMBER:

C5 OF 11

DATE: 2025-10-07
PROJ: 005162600

PRELIMINARY GRADING PLAN

CIRCLE K

SE COR PECOS RD & SOSSAMAN RD

MESA, ARIZONA

Westwood

6909 East Greenway Parkway, Suite 250
Mesa, AZ 85205
Phone (480) 747-6558
Fax (480) 367-6025
www.westwoodps.com

DESIGNED: ACE

CHECKED: MIC

DRAWN: ACE

FIELD CREW: FIELD WORK DATE: SCALE: 1" = 20'

HORIZONTAL SCALE: 1" = 20'

VERTICAL SCALE: 1" = 20'

INITIAL ISSUE: 2025-09-17

REV: 1

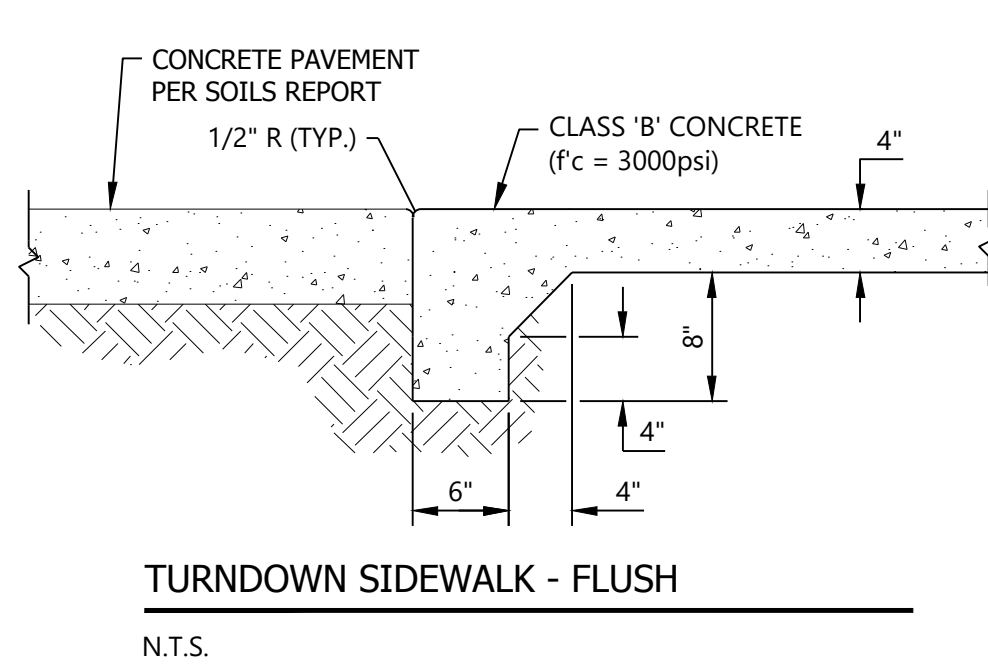
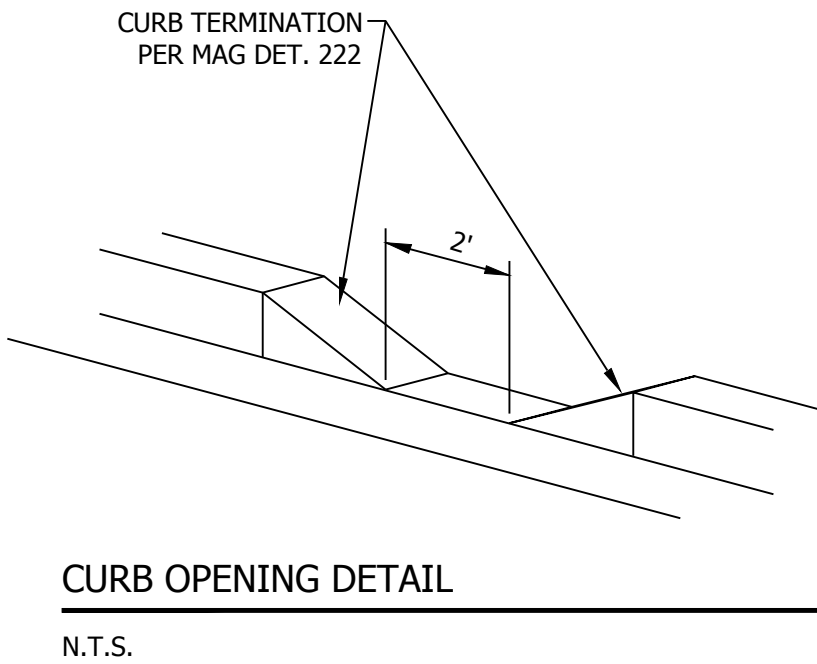
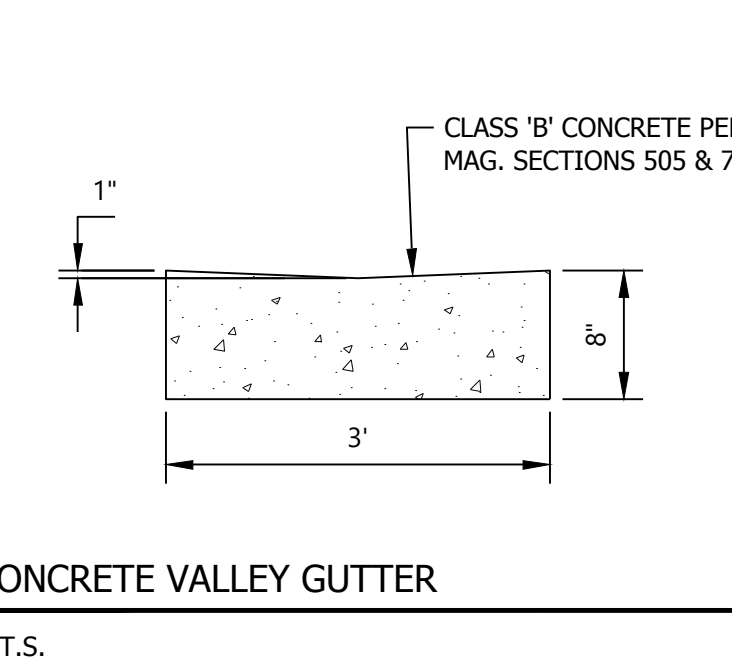
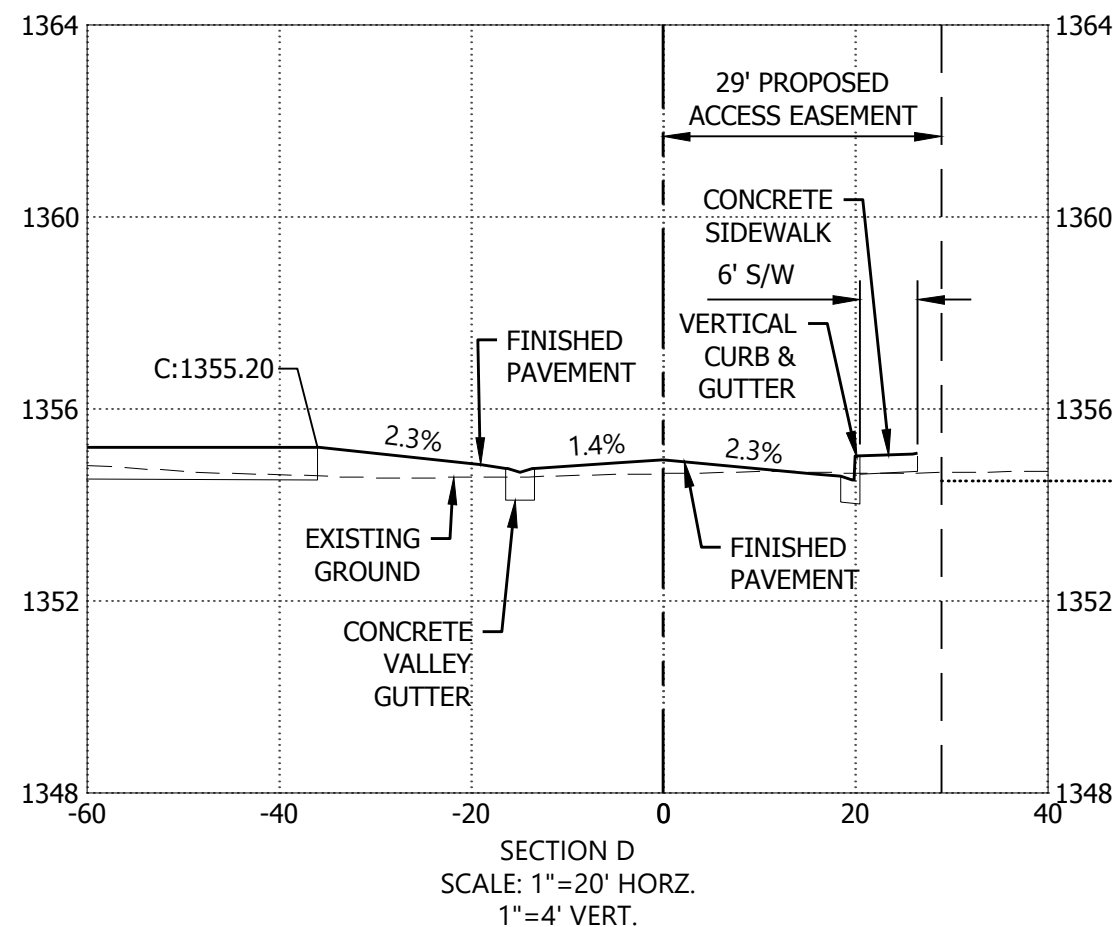
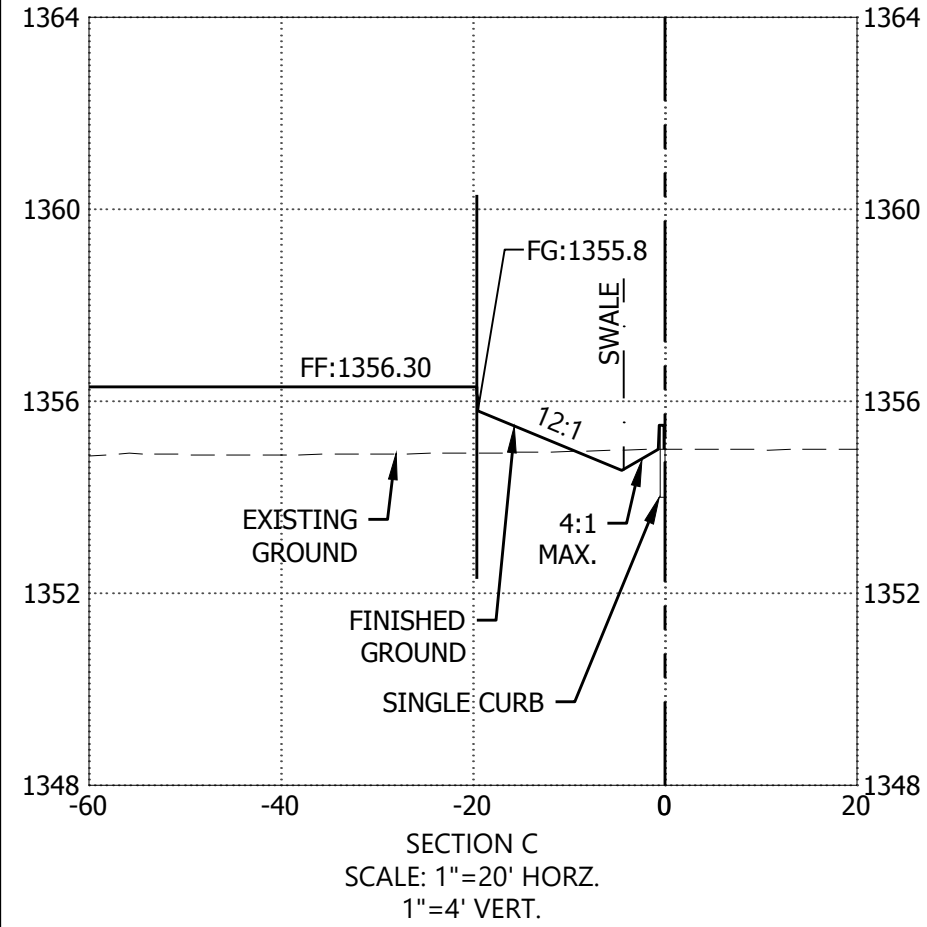
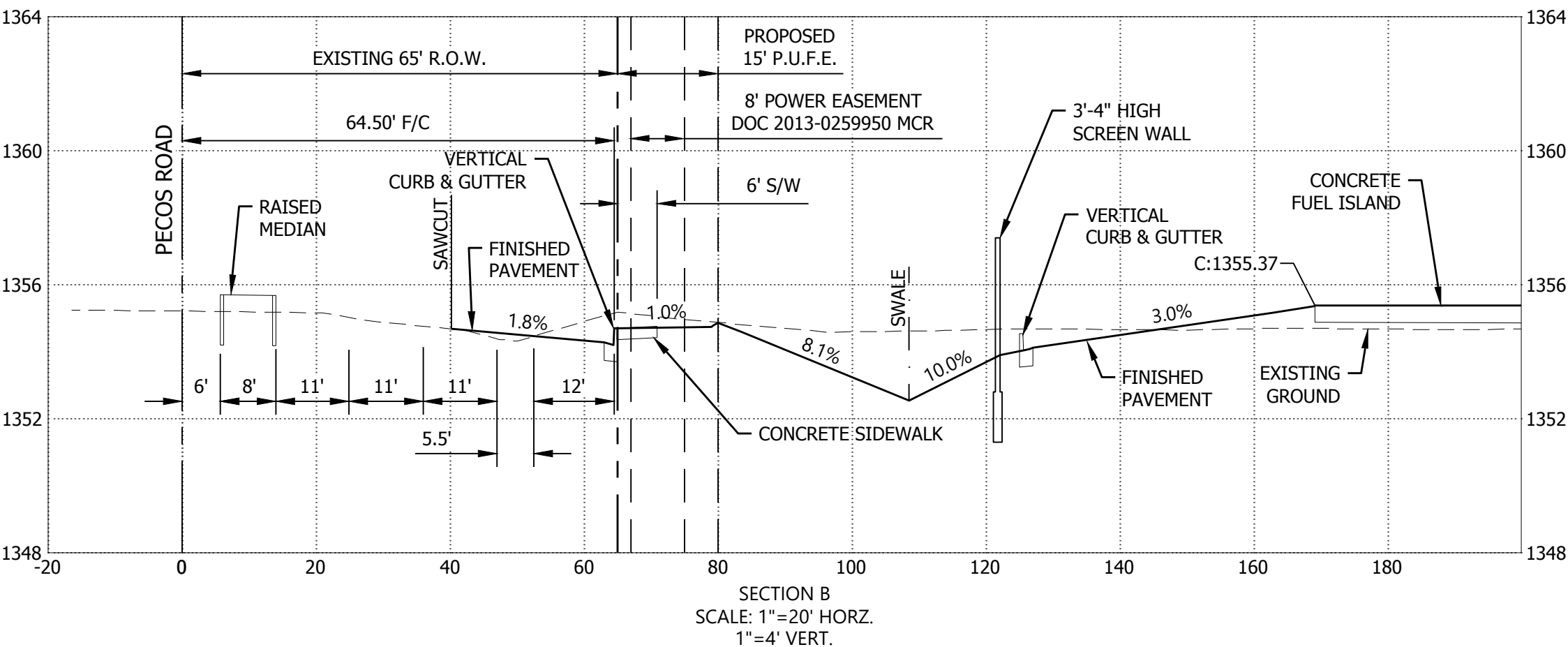
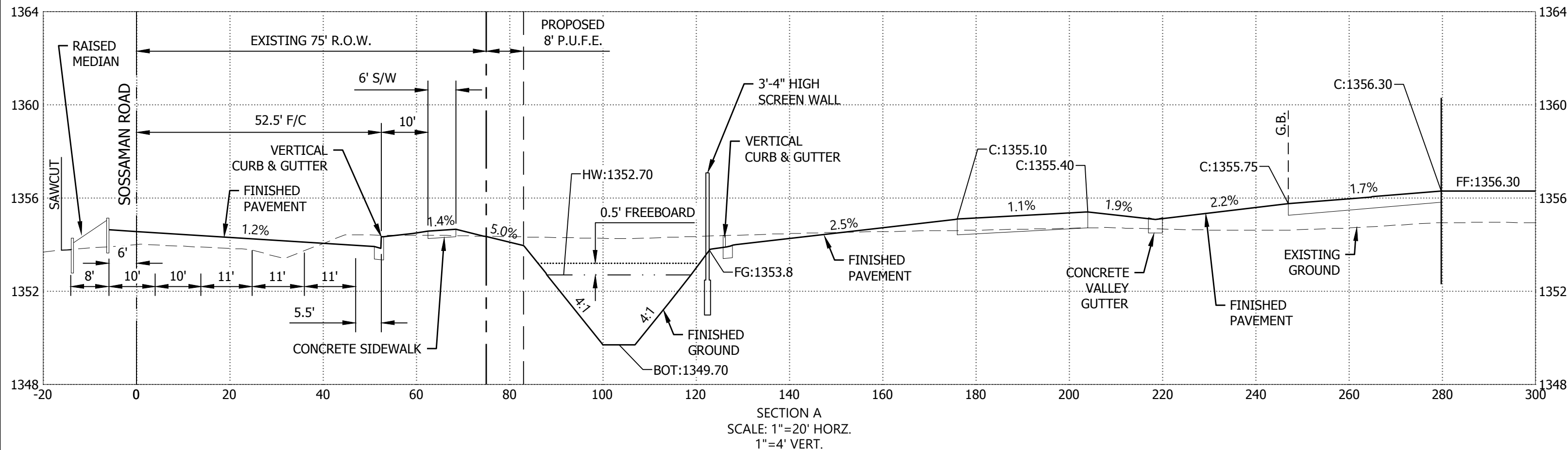
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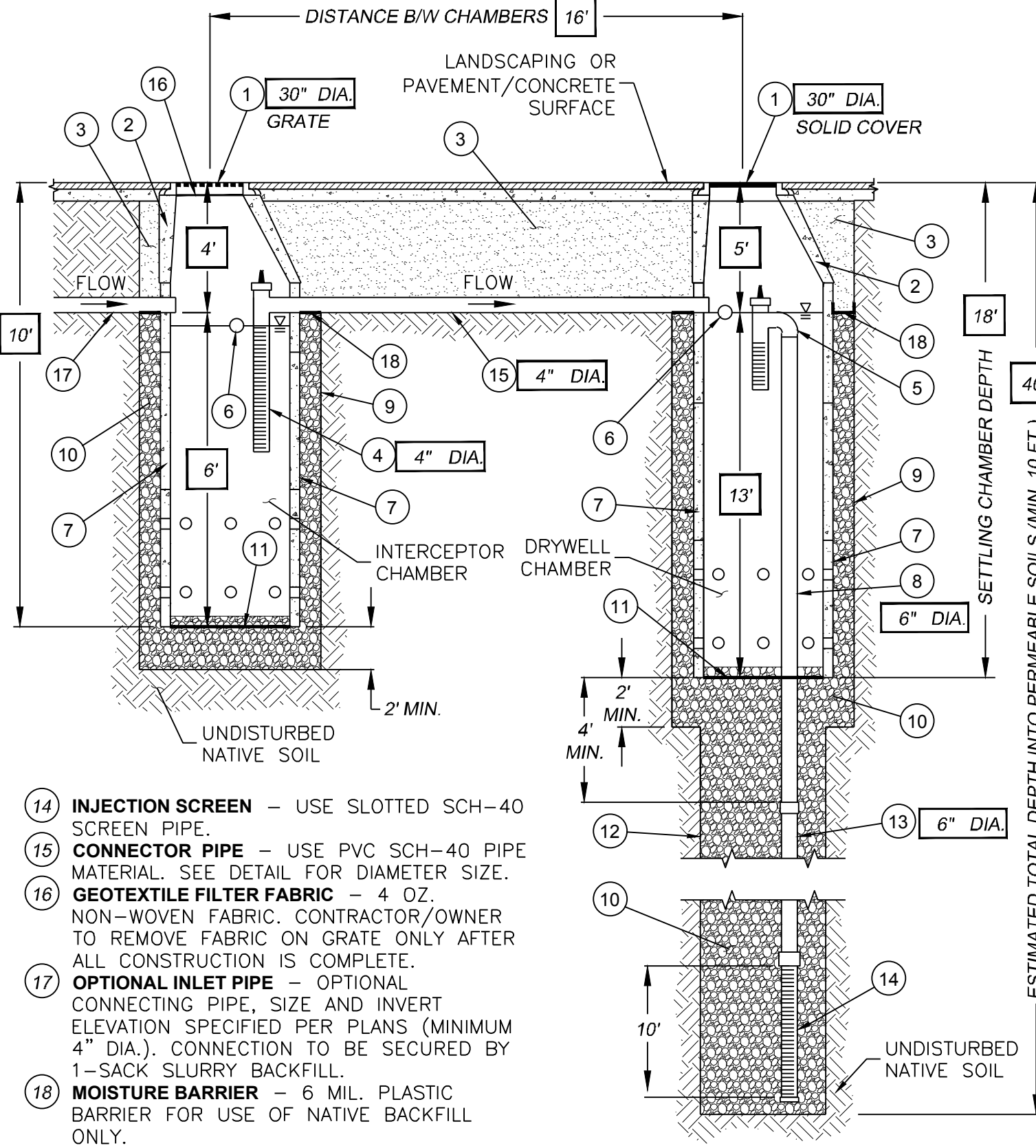
Q.S. #3538



PureWell™ DUAL-CHAMBER DRYWELL DETAIL

DUAL-CHAMBER DRYWELL SPECIFICATIONS

- CAST-IRON GRATE/LID** – CAST-IRON GRATE/LID WITH RAISED LETTERS, "STORMWATER ONLY". BOLTED IN TWO PLACES SECURED TO THE CONE WITH MORTAR. SEE DETAIL FOR GRATE/LID DIAMETER SIZE. RIM/GRATE ELEVATION SET AS SHOWN ON PLANS.
- PRECAST MANHOLE CONE** – SPECIFIED WITH 4000 PSI CONCRETE.
- BACKFILL OF CONE/CONNECTOR PIPE** – COMPACTED FILL FOR LANDSCAPE OR 1-SACK SLURRY STABILIZATION FOR PAVEMENT/CONCRETE SURFACING.
- INTAKE SCREEN** – USE SLOTTED SCH-40 SCREEN PIPE. SEE DETAIL FOR DIAMETER SIZE. 48" IN LENGTH WITH 2" ANTI-SIPHON VENT.
- DEBRIS SCREEN ASSEMBLY** – OVERFLOW INTAKE SCREEN/SHIELD WITH 2" ANTI-SIPHON VENT. USE 18" SLOTTED SCREEN PVC PIPE.
- OIL-ABSORBENT PILLOW** – MINIMUM 1 GALLON CAPACITY.
- PRE-CAST DRYWELL LINER** – 48" ID. X 54" OD. USE 4000 PSI CONCRETE. LINER SECTIONS TO BE ALIGNED CENTERED WITH DRILLED SHAFT. BOTTOM SECTION OF LINER TO HAVE PERFORATIONS.
- OVERFLOW DRAIN STANDPIPE** – USE CONTINUOUS PVC SCH-40 PIPE MATERIAL WITH A MINIMUM EMBEDMENT OF 4" INTO THE GRAVEL PACK. SEE DETAIL FOR DIAMETER SIZE.
- MINIMUM 6" DIA. DRILLED SHAFT** – SHAFT EXCAVATED IN A MANNER TO PROTECT DRAINAGE SOILS.
- GRAVEL PACK** – 3/8" TO 1-1/2" WASHED, CLEAN GRAVEL PACK TO INCLUDE SURROUNDING CHAMBER.
- GEOTEXTILE INFILTRATION BARRIER** – 4 OZ. NON-WOVEN FABRIC WITH 2 INCHES OF GRAVEL COVER FOR SECURING FABRIC.
- MINIMUM 4" DIA. DRILLED SHAFT** – SHAFT EXCAVATED IN A MANNER TO PROTECT DRAINAGE SOILS.
- DRYWELL DRAIN PIPE** – USE PVC SDR-35 PIPE MATERIAL. SEE DETAIL FOR DIAMETER SIZE (MIN. 6" DIA.).



NOTES:

- UPON COMPLETION OF INSTALLATION, CONTRACTOR SHALL VERIFY REGISTRATION OF THE INSTALLED DRYWELLS WITH E.P.A. AND FURNISH THE CITY, OWNER, AND ENGINEER OF RECORD ALL PERTINENT REGISTRATION DOCUMENTATION.
- ALL DRYWELLS SHALL BE MAINTAINED AND ARE TO BE REPLACED WHEN THEY CEASE TO DRAIN SURFACE WATER WITHIN A 36-HR PERIOD. REGULAR MAINTENANCE OF THE DRYWELL SETTLING CHAMBER IS REQUIRED TO ACHIEVE THE BEST PERFORMANCE OF THE DRYWELL.
- THE DEVELOPMENT SERVICES DEPT. SHALL INSPECT EACH WELL SITE PRIOR TO PLACEMENT OF LINER AND BACKFILL TO VERIFY 10' PENETRATION INTO SAND AND GRAVEL. WHERE IT IS UNCLEAR WHETHER SAND AND GRAVEL HAS BEEN PENETRATED, A PERCOLATION TEST SHALL BE PERFORMED.

NOT TO SCALE



PureWell™ 110 DRYWELL DETAIL

DRYWELL SPECIFICATIONS

- CAST-IRON GRATE** – CAST-IRON RING AND GRATE/LID BOLTED IN TWO PLACES SECURED TO THE CONE WITH MORTAR. SEE DETAIL FOR GRATE DIAMETER SIZE. RIM/GRATE ELEVATION SET AS SHOWN ON PLANS.
- PRECAST MANHOLE CONE** – SPECIFIED WITH 4000 PSI CONCRETE.
- BACKFILL OF CHAMBERS** – COMPACTED FILL FOR LANDSCAPE OR 1-SACK SLURRY STABILIZATION FOR PAVEMENT/CONCRETE SURFACING.
- CDS SEPARATION CYLINDER & INLET** – CONTECH CONTINUOUS DEFLECTION SEPARATION (CDS) CHAMBER, FIBERGLASS MEMBRANE.
- DEBRIS SCREEN ASSEMBLY** – OVERFLOW INTAKE PVC SCREEN/FILTER WITH 2" ANTI-SIPHON VENT. USE 18" SLOTTED SCREEN PVC PIPE. SEE DETAIL FOR DIAMETER SIZE (MIN. 6" DIA.).
- OIL-ABSORBENT PILLOW** – MINIMUM 1 GALLON CAPACITY.
- PRE-CAST DRYWELL LINER** – 48" ID. X 54" OD. USE 4000 PSI CONCRETE. LINER SECTIONS TO BE ALIGNED CENTERED WITH DRILLED SHAFT. BOTTOM SECTION OF LINER TO HAVE PERFORATIONS. SEAL ALL LINER GAPS WITH MORTAR.
- OVERFLOW DRAIN STANDPIPE** – USE CONTINUOUS PVC SCH-40 PIPE MATERIAL WITH A MINIMUM EMBEDMENT OF 4" INTO THE GRAVEL PACK. SEE DETAIL FOR DIAMETER SIZE (MIN. 6" DIA.).
- MINIMUM 6" DIA. DRILLED SHAFT** – SHAFT EXCAVATED IN A MANNER TO PROTECT DRAINAGE SOILS.
- INLINE CDS** – HIGHLY EFFICIENT OIL/WATER DIFFUSER.
- PRECAST MANHOLE TOP CAP** – SPECIFIED WITH 4000 PSI CONCRETE.
- GRAVEL PACK** – 3/8" TO 1-1/2" WASHED, CLEAN GRAVEL PACK TO INCLUDE SURROUNDING CHAMBER.
- GEOTEXTILE INFILTRATION BARRIER** – 4 OZ. NON-WOVEN FABRIC WITH 2 INCHES OF GRAVEL COVER FOR SECURING FABRIC.
- MINIMUM 4" DIA. DRILLED SHAFT** – SHAFT EXCAVATED IN A MANNER TO PROTECT DRAINAGE SOILS.
- DRYWELL DRAIN PIPE** – USE PVC SDR-35 PIPE MATERIAL. SEE DETAIL FOR DIAMETER SIZE (MIN. 6" DIA.).
- INJECTION SCREEN** – USE SLOTTED SCH-40 SCREEN PIPE (MIN. 6" DIA.).
- SOLIDS STORAGE SUMP** – 2' DEEP MINIMUM.

- PRECAST CONCRETE MANHOLE** – SPECIFIED WITH 4000 PSI CONCRETE.
- GEOTEXTILE FILTER FABRIC** – 4 OZ. NON-WOVEN FABRIC. CONTRACTOR/OWNER TO REMOVE FABRIC ON GRATE ONLY AFTER ALL CONSTRUCTION IS COMPLETE.
- OPTIONAL INLET PIPE** – OPTIONAL CONNECTING PIPE. SIZE AND INVERT ELEVATION SPECIFIED PER PLANS (MINIMUM 4" DIA.). CONNECTION TO BE SECURED BY 1-SACK SLURRY BACKFILL.
- OIL-STOP VALVE (OSV)** – NON-CORROSIVE PVC MATERIAL WITH ADJUSTABLE FLOAT AND MANUAL OVERRIDE/RESET.
- OIL BAFFLE SKIRT**
- SEPARATION SCREEN**
- MOUNTED RADAR SENSOR** – USE VEGAPLUS C 21 WITH MOUNTING HARDWARE IN CHAMBER PER VEGA SPECIFICATIONS OR APPROVED EQUAL DETECTION SYSTEM.

NOTES:

- IF 10' OF PERMEABLE MATERIAL IS NOT OBTAINED DURING DRILLING, IT IS RECOMMENDED TO PERFORM A CONSTANT HEAD PERCOLATION TEST TO DETERMINE DISPOSAL RATE. IF DISPOSAL RATE IS LESS THAN WHAT THE MUNICIPALITY/ENGINEER REQUIRES, THEN ADDITIONAL DRYWELLS ARE NEEDED.
- UPON COMPLETION OF INSTALLATION, CONTRACTOR SHALL VERIFY REGISTRATION OF THE INSTALLED DRYWELLS WITH A.D.E.O. AND FURNISH THE CITY, OWNER, AND ENGINEER OF RECORD ALL PERTINENT REGISTRATION DOCUMENTATION.
- ALL DRYWELLS SHALL BE MAINTAINED AND ARE TO BE REPLACED WHEN THEY CEASE TO DRAIN SURFACE WATER WITHIN A 36-HR PERIOD. REGULAR MAINTENANCE OF THE DRYWELL SETTLING CHAMBER IS REQUIRED TO ACHIEVE THE BEST PERFORMANCE OF THE DRYWELL.



PRELIMINARY NOT FOR
CONSTRUCTION 2025-10-07



SHEET NUMBER:

C6 OF 11

DATE: 2025-10-07
PROJ: 005162600

GRADING DETAILS & SECTIONS

CIRCLE K

SE COR PECOS RD & SOSSAMAN RD

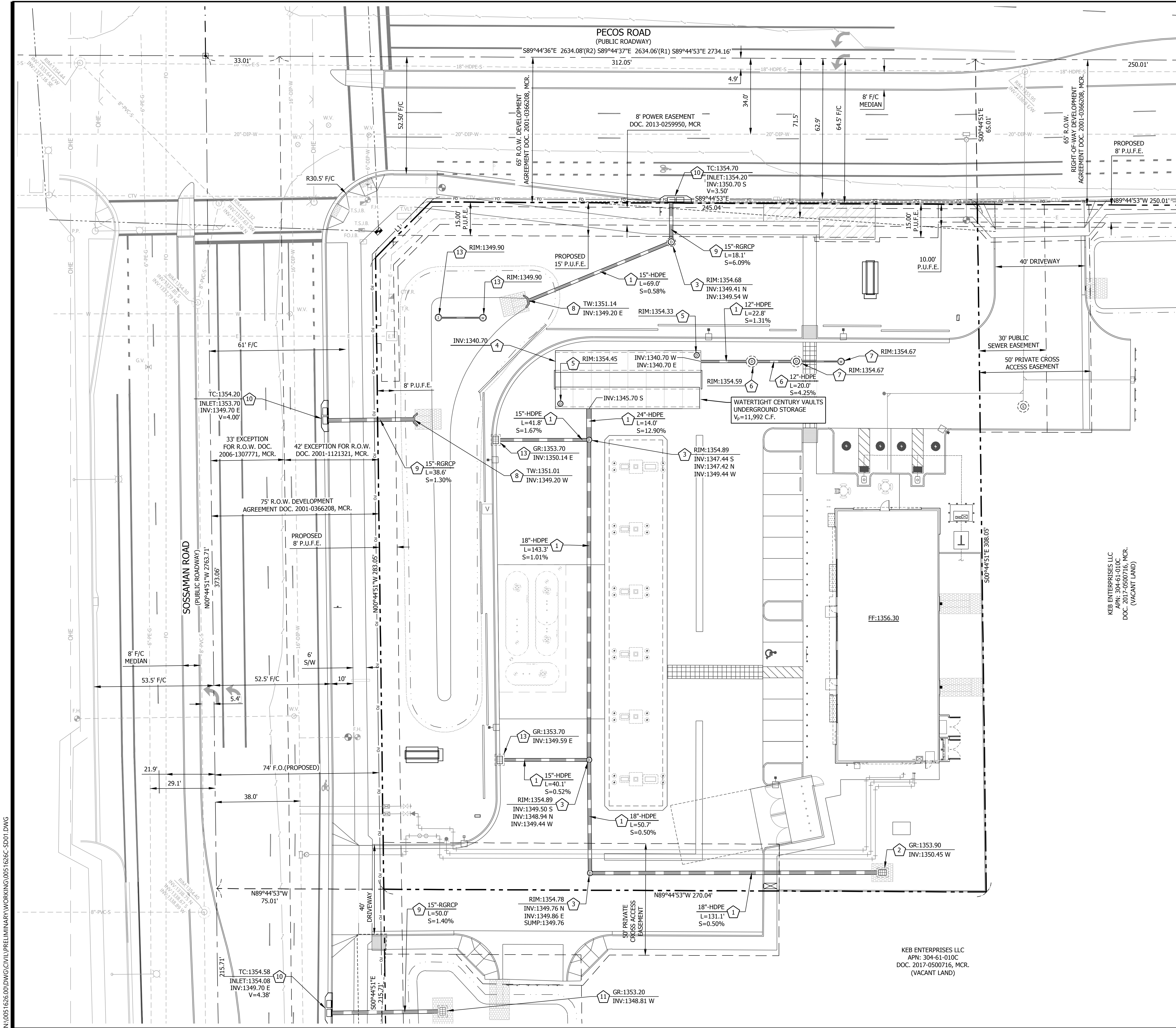
MESA, ARIZONA

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| DESIGNED: | ACE |
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| DRAWN: | ACE |
| FIELD CREW: | |
| FIELD WORK DATE: | |
| SCALE: 1" = 20' | HORIZONTAL |
| SCALE: 1" = 20' | VERTICAL |

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| INITIAL ISSUE: | 2025-09-17 |
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westwood@westwood.com
Westwood Professional Services, Inc.

Q.S.#3538



- STORM DRAIN CONSTRUCTION NOTES**
- INSTALL ADS N-12 MEGA GREEN WT IB PIPE. ASTM F2487. SIZE, LENGTH AND INVERTS PER PLAN. CONTRACTOR TO BACKFILL WITH 1-SLURRY MIX IN ALL AREAS WHERE PIPE HAS LESS THAN 2- FEET OF COVER.
 - INSTALL 24" NYLOPLAST SINGLE 2'x3' INLET STRUCTURE PER DETAIL SHEET C9, 2'x3' GRATE PART#3099CGRHFL & 3099CGRHFL PER DETAIL SHEET C9 WITH INSERT FILTER, OLDCASTLE FLOGARD MODEL #FGP-3040F-AZ OR APPROVED EQUIVALENT.
 - INSTALL 24" NYLOPLAST DRAIN BASIN, WITH ROUND SOLID COVER PART#2499CGC PER DETAIL SHEET C9.
 - INSTALL WATERTIGHT CENTURY VAULT UNDERGROUND RETENTION CHAMBERS WITH XR5 GEOMEMBRANE LINER PER DETAILS ON SHEET C8.
 - INSTALL 30" ACCESS RISER FOR UNDERGROUND TANK PER CENTRY VAULT MANUFACTURES SPECIFICATIONS SHEET C9.
 - INSTALL INLINE CDS "OIL WATER DIFFUSER" PER DETAIL SHEET C6.
 - INSTALL "PUREWELL 110" OIL STOP VALVE & DRYWELL SYSTEM PER DETAIL SHEET C6.
 - CONSTRUCT HEADWALL PER M.A.G. DETAIL 501-1 & 502-2, 'U' TYPE WITH SAFETY RAIL PER M.A.G. DETAIL 145, TYPE 1 AND TRASH RACK PER M.A.G. DETAIL 502-2
 - INSTALL RGRCP CLASS III PIPE
 - CONSTRUCT CATCH BASIN PER C.O.M. DETAIL M-64
 - CONSTRUCT CATCH BASIN PER M.A.G. DETAIL 535, TYPE 'F' MODIFIED WITH OPEN GRAVEL BOTTOM
 - INSTALL 24" NYLOPLAST SINGLE 2'x3' CURB INLET STRUCTURE PER DETAIL SHEET C9, 2'x3' GRATE PART#3099CGRHFL & 3099CGRHFL PER DETAIL SHEET C9 WITH INSERT FILTER, OLDCASTLE FLOGARD MODEL #FGP-3040F-AZ OR APPROVED EQUIVALENT.
 - INSTALL "PUREWELL" DUAL CHAMBER DRYWELL PER DETAIL SHEET C6.

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PRELIMINARY STORM DRAIN PLAN
CIRCLE K
SE COR PECOS RD & SOSSAMAN RD
MESA, ARIZONA

Q.S. #3538

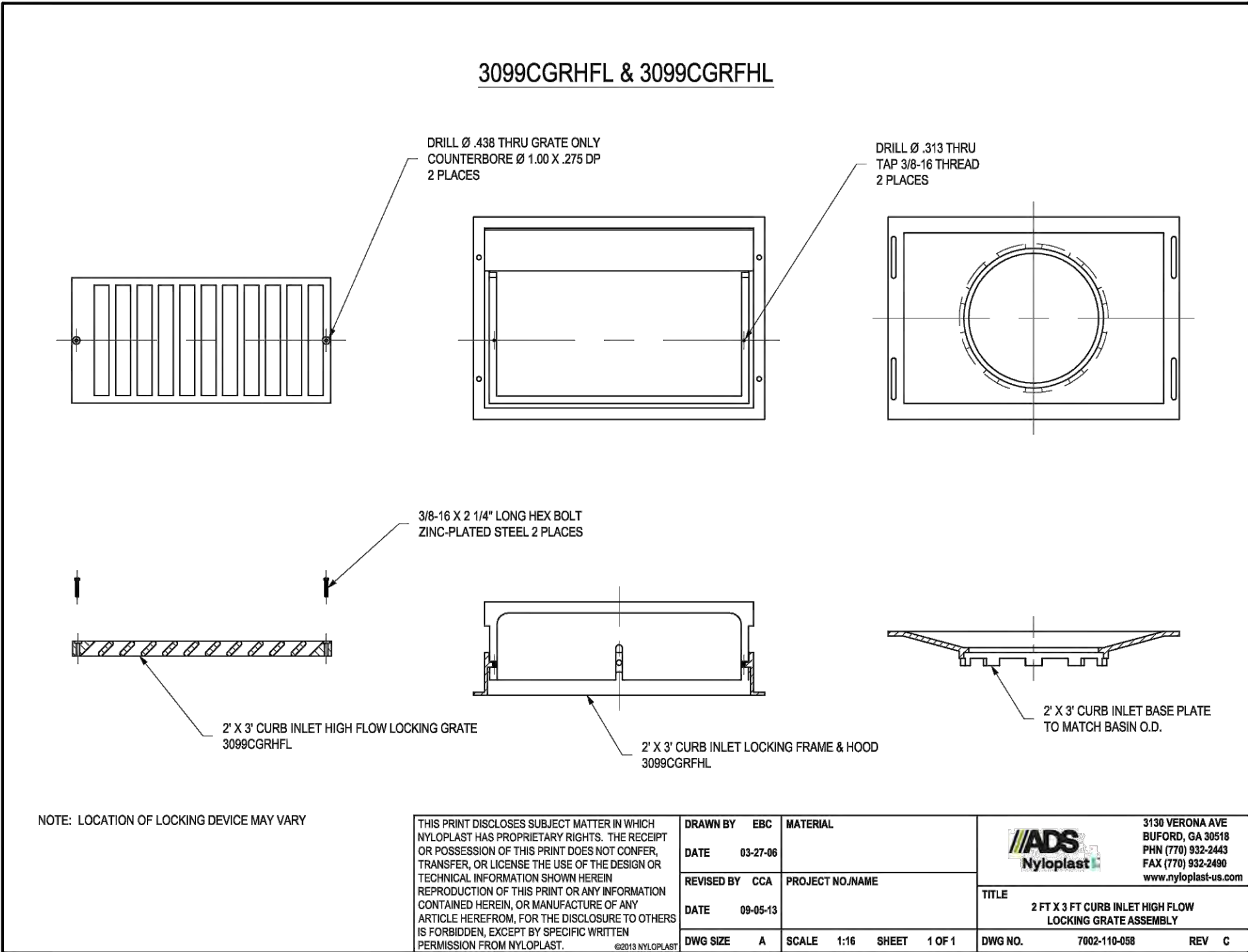
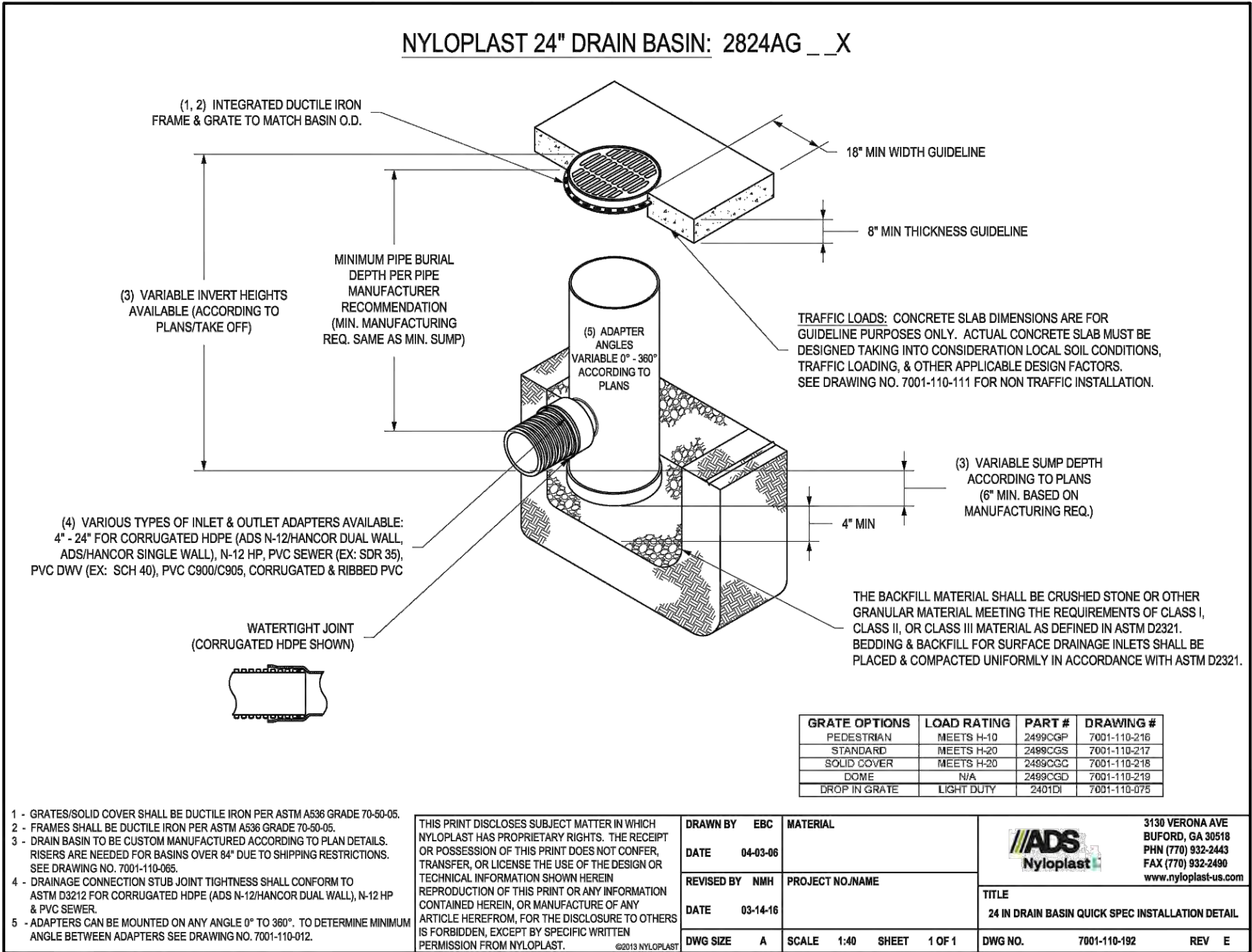
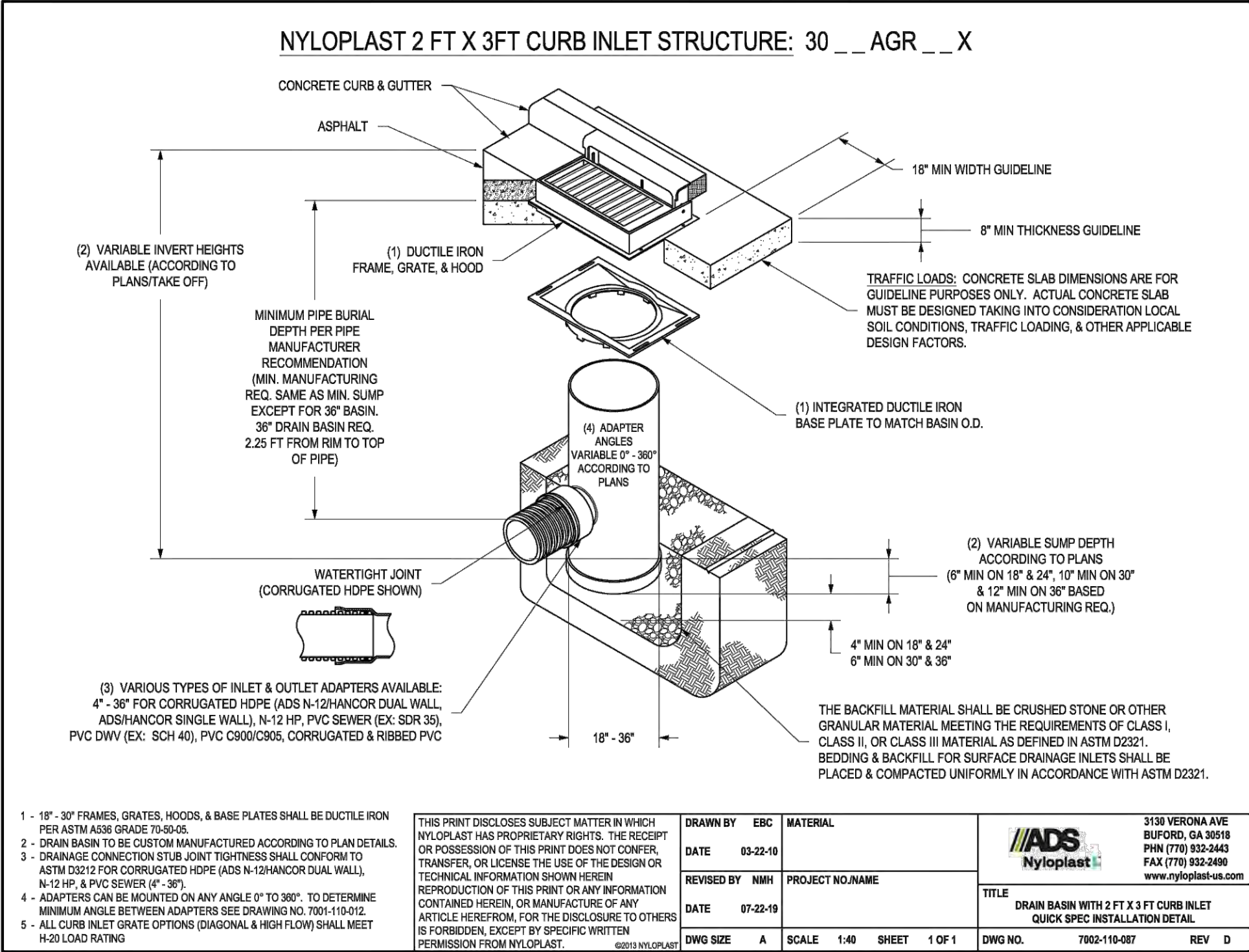
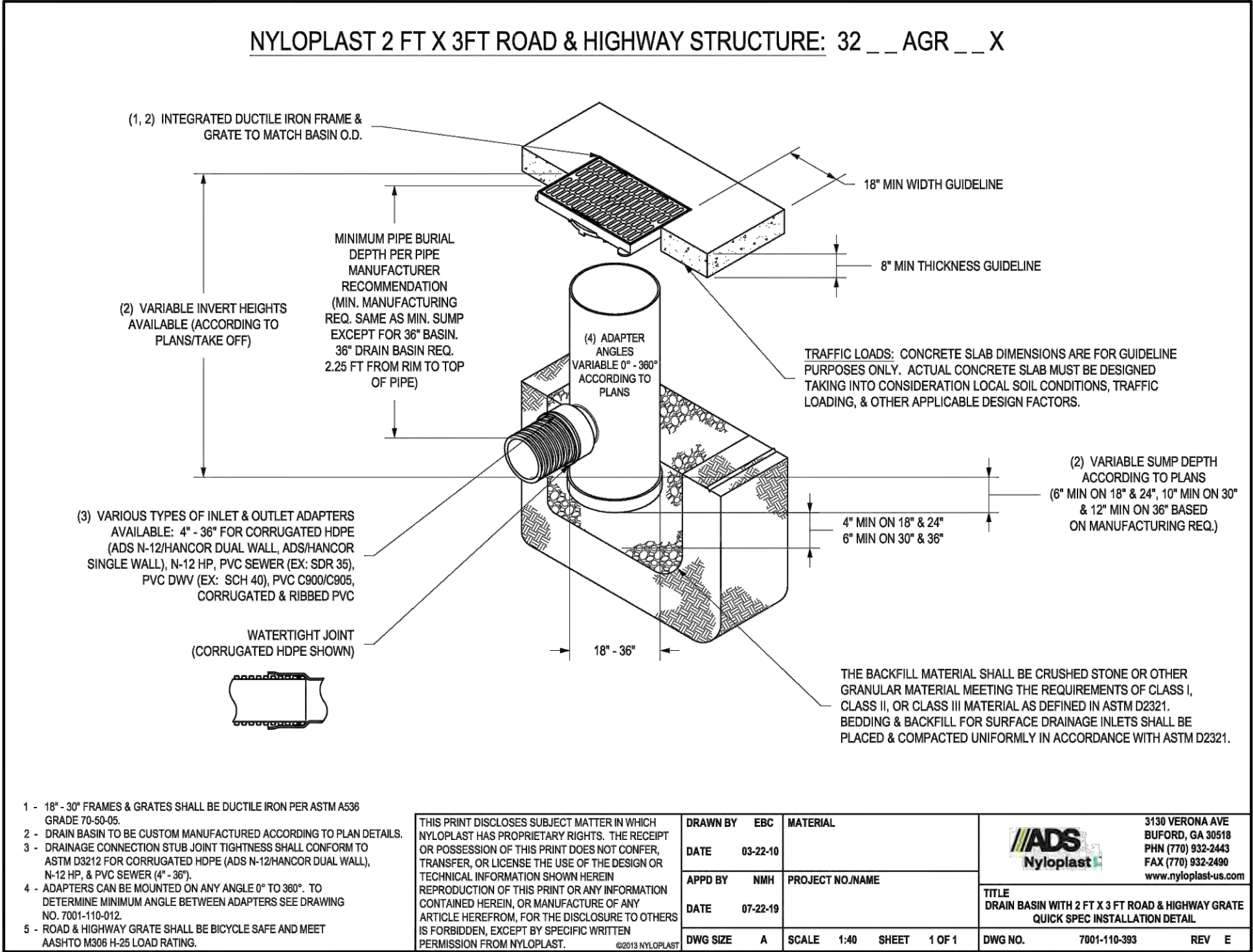
25960
MICHAEL JAMES
CIVIL ENGINEER
ARIZONA

C7 OF 11

SHEET NUMBER:

DATE: 2025-10-07
PROJ: 005162600

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SHEET NUMBER:

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DATE: 2025-10-07
PROJ: 005162600



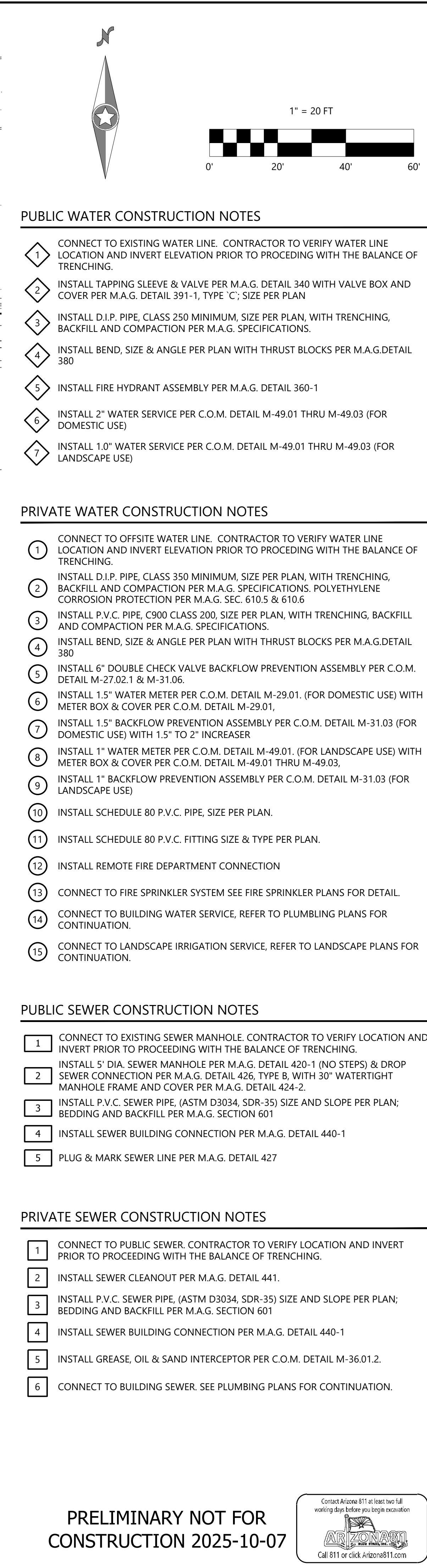
STORM DRAIN DETAILS
CIRCLE K
SE COR PECOS RD & SOSSAMAN RD
MESA, ARIZONA

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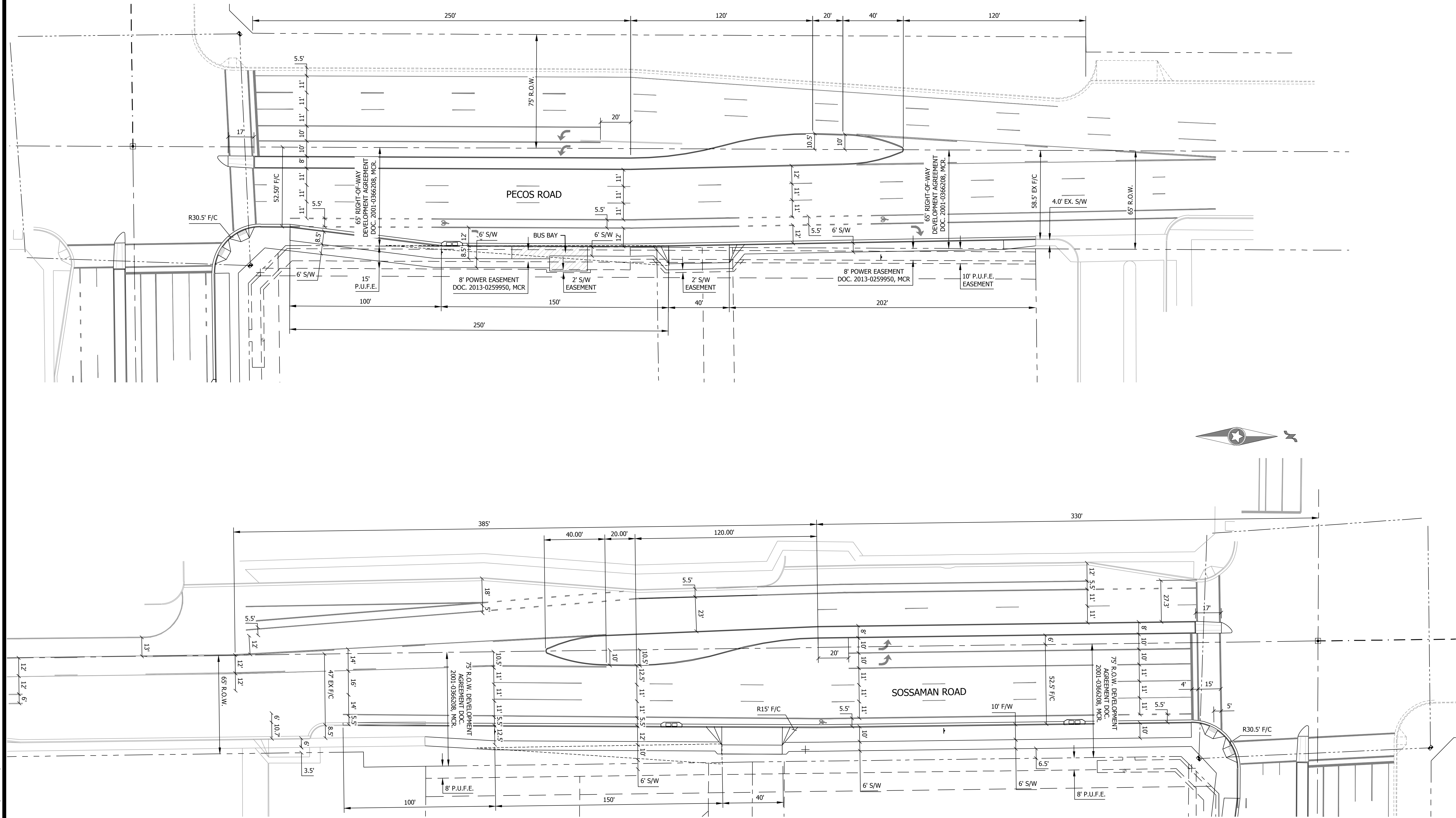
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CONSTRUCTION 2025-10-07



SHEET NUMBER:

C11 OF 11

DATE: 2025-10-07
PROJ: 005162600

PRELIMINARY STRIPING LAYOUT

CIRCLE K

SE COR PECOS RD & SOSSAMAN RD

MESA, ARIZONA



Westwood

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Mesa, Arizona 85206-3434
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| DESIGNED: | CHECKED: |
| DRAWN: | FIELD CREW: |
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| INITIAL ISSUE: | 2025-09-17 |
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