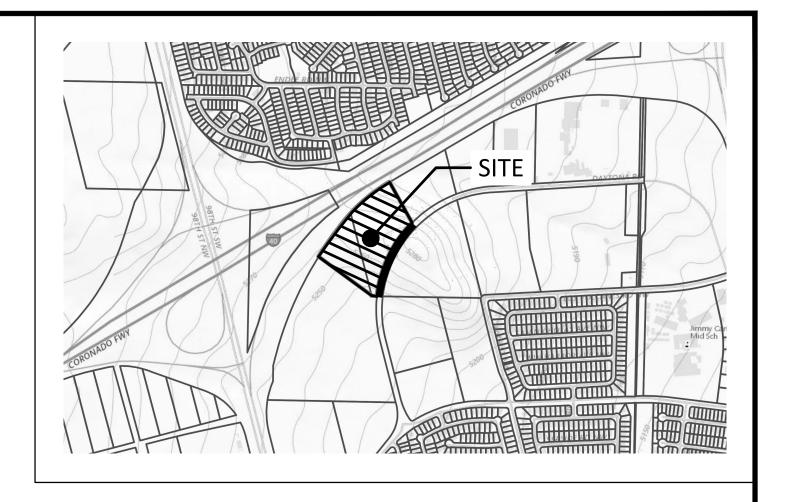
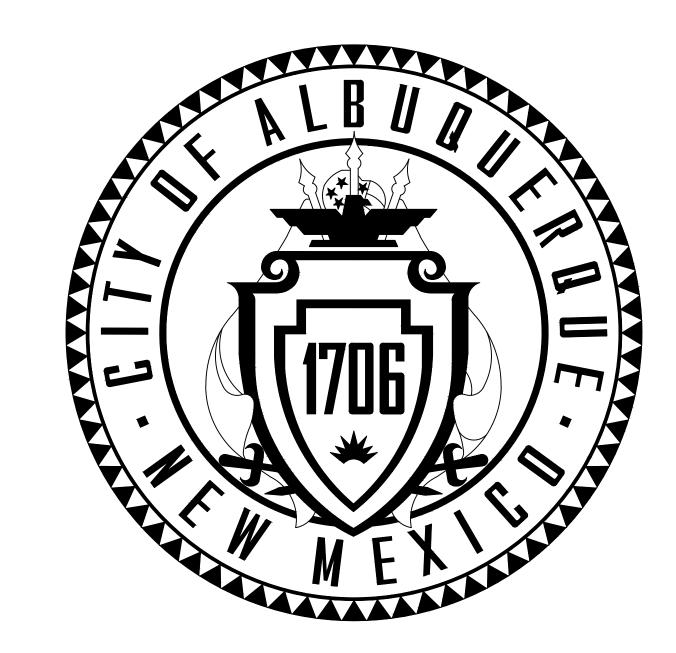
CITY OF ALBUQUERQUE NEW MEXICO

DEPARTMENT OF
MUNICIPAL DEVELOPMENT
DESIGN AND REVIEW COMMITTEE



VICINITY MAP
ZONE ATLAS MAP J9 AND K



7/29/2024

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WESTPOINTE DATA CENTER
DAYTONA ROAD IMPROVEMENTS
TRACT 2A AND TRACT 1 OF
THE AVALON SUBDIVISION UNIT 5

655779



APPROVALS	ENGINEER	DATE	******	****
DRC CHAIRPERSON			APPROVED FOR CONSTRUCT	ION
TRANSPORTATION				
WATER/WASTEWATER				
HYDROLOGY				
PARKS			CITY ENGINEER	DATE
CONST. MGMT.			OTT ENGINEER	DITTE
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CITY PROJECT NO.			SHEET	
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COA/WUA GENERAL NOTES

- 1. ALL WORK DETAILED ON THESE PLANS, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. 2020 EDITION, AND WILL BE REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS".
- CONSTRUCTION, 2020 EDITION, AND WILL BE REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS".
 ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- 3. CONTRACTOR SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE IN CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- 4. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- 5. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION ENGINEER (OR PROJECT MANAGER) NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. WHEN A CHANGE IS MADE THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO STANDARD SPECIFICATIONS SECTION 4.4.
- 6. EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL THEN EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL PERTINENT EXISTING UTILITIES AND/OR OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. CONTRACTOR SHALL THEN COORDINATE RELOCATION OF UTILITY LINES WITH UTILITY COMPANIES AS REQUIRED. ANY DAMAGE CAUSED BY FAILURE TO LOCATE, IDENTIFY, AND PRESERVE ANY EXISTING UTILITIES IS THE FULL RESPONSIBILITY OF THE CONTRACTOR.
- 7. CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS BUILT" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- 8. CONTRACTOR SHALL ASSUME FINANCIAL RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, SIGNAGE, CURB AND GUTTER, HANDICAP RAMPS, AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED ON THE PLANS, AND SHALL REPAIR OR REPLACE, PER THE STANDARD SPECIFICATIONS, ANY SUCH DAMAGE.
- 9. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- 10. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY AND OTHER JURISDICTIONAL AUTHORITIES WHERE APPLICABLE.
- CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS SHOWN. ANY DAMAGE TO
 ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE
 CONTRACTOR, INCLUDING ANY SUCH COSTS INCURRED
- 11. REMOVALS SHALL BE DISPOSED OF OFF-SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

COA/WUA WATER AND SEWER NOTES

- 1. SEE GENERAL NOTES FOR ADDITIONAL PROJECT AND SITE INFORMATION.
- 2. ALL WORK REGARDING PUBLIC WATER AND PUBLIC SANITARY SEWER INFRASTRUCTURE DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED HERON, BE CONSTRUCTED IN ACCORDANCE WITH WATER AUTHORITY STANDARD SPECIFICATIONS. PLANS SHALL FOLLOW THE MOST CURRENT UPDATE WHICH CAN BE FOUND ONLINE AT http://www.abcwua.org/For_Builders.aspx
- 3. ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING. EXISTING VALVES AND MANHOLES SHALL NOT BE BURIED OR PAVED OVER BUT RIMS SHALL BE ADJUSTED TO MATCH NEW GRADE PER COA STANDARD DRAWINGS 2460 AND 2461.
- 4. NON-RESIDENTIAL USERS SHALL COORDINATE WITH THE WATER AUTHORITY PRETREATMENT ENGINEER (pretreatment@abcwua.org or (505)289-3419) FOR INSPECTION TO ENSURE THE COMPLIANCE WITH THE INDUSTRIAL PRETREATMENT PROGRAM. METERED SERVICE AND IN-PLACE SEWER DISCHARGE PERMITS WILL BE ONLY BE ISSUED UPON APPROVED INSTALLATION OF THE REQUIREMENTS.
- 5. NON-RESIDENTIAL USERS SHALL COORDINATE WITH THE WATER AUTHORITY CROSS CONNECTION SECTION(backflow@abcwua.org or 505-289-3454) TO ENSURE THE PROPER IMPROVEMENTS ARE IN PLACE FOR THE TO ENSURE PROPER BACKFLOW CONTAINMENT IS IN PLACE FOR THE WATER SYSTEM.
- 6. MANHOLE RIMS, FIRE HYDRANT ELEVATIONS, AND FLANGE ELEVATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY AND ADJUST TO FINAL PAVEMENT OR SURFACE GRADES.
- 7. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT HTTP://ABCWUA.ORG/WATER_SHUT_OFF_AND_TURN_ON_PROCEDURES.ASPX
- 8. PROPOSED WATERLINE MATERIALS SHALL BE PVC PIPE MEETING AWWA C-900: DR18 REQUIREMENTS (6" 12") OR DUCTILE IRON PIPE MEETING AWWA C-150 REQUIREMENTS (6" 48"), SEE THE ABCWUA APPROVED PRODUCTS LIST (Approved-Products-List-April-2021-Signed.pdf(abcwua.org)) FOR A COMPREHENSIVE LIST OF MATERIALS AND MANUFACTURERS.
- 9. ALL WATERLINE FITTINGS, VALVES, BENDS, TEES, CROSSES AND APPURTENANCES SHALL HAVE RESTRAINED JOINTS UNLESS OTHERWISE NOTED ON THE PLANS. THE JOINT RESTRAINT REQUIREMENTS SHOULD BE
- DELINEATED WITHIN A JOINT RESTRAINT TABLE.

 10. ALL SANITARY SEWER LINE STATIONING REFERS TO SANITARY SEWER CENTERLINE STATIONING. EXCEPT WHEN
- PROFILED WITHIN A PROPOSED OR EXISTING STREET, WHERE STREET STATIONING SHALL GOVERN.

 11. ALL PROPOSED SANITARY SEWER SLOPES SHALL BE VERIFIED DURING CONSTRUCTION TO MEET THE APPROVED DESIGN. AS-BUILT SLOPES SHALL BE RECORDED FOR EACH LINE SEGMENT.
- 12. ALL FINAL BACKFILL FOR TRENCHES SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY PER ASTM D-1557 AND AS DIRECTED BY STANDARD SPECIFICATIONS SECTION 701.14.2 AND STANDARD DRAWING NUMBER
- 13. ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO THE ABCWUA STANDARDS AND SPECIFICATIONS. THE CONTRACTOR SHALL INSTALL A 4" X 4" X5' POST AND EMS AT THE END OF EACH SANITARY SEWER SERVICE
- 14. TRACER WIRE, INCLUDING TEST STATIONS SHALL BE INCLUDED FOR ALL PUBLIC WATER, SEWER MAINS AND WATER SERVICES IN ACCORDANCE WITH WATER AUTHORITY DETAILS DWG 2190 AND DWG 2191.
- 15. CONTRACTOR SHALL PROVIDE THE PROPOSED HYDROSTATIC TEST PLANS CONFORMING WITH AWWA C600 TO THE WUA INSPECTORS FOR APPROVAL PRIOR TO BEGINNING TESTING OPERATIONS. DISINFECTION AND VERIFICATION TEST PLAN CONFORMING WITH AWWA 651 WILL BE REQUIRED CONCURRENTLY.
- 16. AT UTILITY CROSSINGS, WHERE LESS THAN 18" OF VERTICAL SEPARATION FROM STORM DRAIN PIPING OR STRUCTURES IS PROPOSED, LEAN FILL CONSTRUCTION (PER SECTION 207 OF THE STANDARD SPECIFICATIONS) SHALL BE USED TO PROTECT THE WATER OR SEWER LINE. LEAN FILL SHALL EXTEND A PERPENDICULAR DISTANCE OF 5 FEET ON EACH SIDE OF THE STORM PIPE OR STRUCTURE.
- 17. ALL DESIGNS AND CONSTRUCTION OF ANY UNDERGROUND UTILITIES SHALL COMPLY WITH ADMINISTRATIVE INSTRUCTION NO. 9 FOR WORK NEARBY OR AFFECTING SAN JUAN CHAMA TRANSMISSION LINES AND APPURTENANCES. INFORMATION SHALL BE PROVIDED TO THE WATER AUTHORITY ONE (1) MONTH IN ADVANCE OF THE CONSTRUCTION START DATE. INFORMATION CAN BE FOUND AT
- HTTP://WWW.ABCWUA.ORG/WATER_SHUT_OFF_AND_TURN_ON_PROCEDURES.ASPX

 18. ALL WATER AND SANITARY SEWER INFRASTRUCTURE SHALL BE CONSTRUCTED UTILIZING MATERIALS LISTED IN THE APPROVED PRODUCTS LIST AND BE CONSTRUCTED PER THE MOST CURRENT WATER AUTHORITY STANDARD DETAILS AND SPECIFICATIONS. MATERIAL SUBMITTALS SHALL BE PROVIDED PRIOR TO CONSTRUCTION FOR THE WATER AUTHORITY ENGINEER TO REVIEW PRIOR TO THE START OF CONSTRUCTION. INFORMATION CAN BE FOUND AT HTTP://WWW.ABCWUA.ORG/FOR_BUILDERS.ASPX

COA/WUA WATER AND SEWER NOTES CONT'D

- 19. CONTRACTOR SHALL COMPLY WITH NEW MEXICO ONE-CALL LAW. IF AN UNDERGROUND FACILITY IS DAMAGED DURING CONSTRUCTION, STOP CONSTRUCTION, CALL 911 (IF APPROPRIATE), NOTIFY THE UNDERGROUND FACILITY OPERATOR (UFO) IMMEDIATELY, AND CALL 811 TO REPORT THE DAMAGE. DAMAGE MAY INCLUDE NICKS, DENTS, GOUGES, CUTS, SCRAPES OR SCRATCHES TO THE COATING, INSULATING JACKET, OR TRACER WIRE. FOR ABCWUA WATER AND SANITARY SEWER INFRASTRUCTURE, ALL EMERGENCY RESPONSES ARE INITIATED BY A CALL TO DISPATCH AT 842-9287. NOTE THAT THERE ARE SPECIFIC RESPONSE AND DOCUMENTATION REQUIREMENTS SHOULD A SANITARY SEWER FACILITY BE DAMAGED THAT RESULTS IN A SANITARY SEWER OVERFLOW (SSO).
- 20. ALL WORK PERFORMED ON PRIVATELY OWNED SEWER LINE AND SERVICE LINES MUST BE INSPECTED BY THE CITY OF ALBUQUERQUE'S CODE ADMINISTRATION DIVISION OR BERNALILLO CODE ADMINISTRATION. IN ORDER THAT INSPECTION BY THE CITY PLANNING DEPARTMENT, CODE ADMINISTRATION DIVISION, PLUMBING SECTION CAN BE EFFICIENTLY HANDLED, WITH A MINIMUM LOSS OF TIME TO CONTRACTOR, THE FOLLOWING SHALL BE NOTED: INSPECTION ARRANGEMENTS FOR A SEWER SERVICE LINE SHALL BE MADE BY THE CONTRACTOR CALLING THE CITY OF ALBUQUERQUE, CODE ADMINISTRATION DIVISION, PLUMBING SECTION. INSPECTION REQUESTS CALLED IN BETWEEN THE HOURS OF 8:00 A.M. AND 12:00 NOON WILL BE INSPECTED THE SAME AFTERNOON. INSPECTION REQUESTS CALLED IN BETWEEN THE HOURS OF 1:00 P.M. AND 5:00 P.M. WILL BE INSPECTED THE FOLLOWING MORNING, EXCEPT IN CASES OF EMERGENCY.
- 21. THE MINIMUM BURY DEPTH INDICATED ON THE PLANS IS A LIMIT STATE AND NOT TO BE USED FOR GENERAL CONSTRUCTION. PIPING SHALL BE INSTALLED BASED ON THE ELEVATIONS SPECIFIED.

COA/WUA TRANSPORTATION NOTES

- 1. ANY STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH THERMO-PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- 2. REMOVAL OF EXISTING CURB & GUTTER AND SIDEWALKS SHALL BE TO THE NEAREST JOINT.
- 3. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
- 4. CURB AND GUTTER, SIDEWALKS, AND DRIVE PADS SHALL MATCH THE LINE AND GRADE OF ABUTTING EXISTING AREAS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER.
- 5. THE SUBGRADE PREP SHALL EXTEND ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER AND SIDEWALK.
- 6. CONTRACTOR TO TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THE R-VALUE IS LESS THAN 50, REMOVE 2 FEET OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH R-VALUE GREATER THAN 50 OR CONTACT THE ENGINEER IMMEDIATELY SO THE PAVEMENT SECTION CAN BE MODIFIED.
- 7. AT ALL PAVEMENT REMOVAL AND REPLACEMENTS, SAW-CUT EDGES SHALL BE STRAIGHT AND CLEAN, AND LONGITUDINAL JOINTS SHALL NOT BE PLACED WITHIN WHEEL PATHS. PATCHES SHALL BE REGULAR AND SQUARE OR RECTANGULAR, WITH FOUR STRAIGHT SIDES. FINISHED PAVEMENT SURFACE SHALL BE FLUSH WITH EXISTING PAVEMENT SURFACE, WITH NO SPILLOVER OF ASPHALT OR TACK COAT. CARE MUST BE TAKEN TO AVOID DAMAGING THE INTEGRITY OR APPEARANCE OF SURROUNDING PAVEMENTS; IF DAMAGED, THE ENTIRE SURFACE PATCH MUST BE EXPANDED TO COVER DAMAGES.
- 8. CONTRACTOR WILL ENSURE THE ASPHALT HAS A SMOOTH, UNIFORM EDGE WHEN REMOVING AND REPLACING CURB AND GUTTER. IF THE ASPHALT EDGE IS NOT SMOOTH AND UNIFORM, CONTRACTOR WILL SAW CUT AND REPLACE A ONE-FOOT STRIP OF ASPHALT ALONG THE FULL SECTION BEING REPLACED; REFER TO C.O.A. STANDARD DRAWING # 2465 WITH THE APPROPRIATE PAVING SECTION BASED ON ROADWAY CLASSIFICATION.

COA/WUA HYDROLOGY NOTES

ALL STORM DRAINS SHALL BE RCP CLASS III UNLESS OTHERWISE NOTED ON THE PLANS.
 RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATION. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS DIRECTED BY THE ENGINEER AND WITH CITY APPROVAL.

COA/WUA OTHER COMMON NOTES

- 1. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P.
- 2. WHEN DISTURBING MORE THAN ¾ ACRES, CONTRACTOR SHALL SECURE A "TOPSOIL DISTURBANCE PERMIT" PRIOR TO BEGINNING CONSTRUCTION.
- 3. IN ADVANCE OF CONSTRUCTION, CONTRACTOR SHALL DETERMINE IF OVERHEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION TO CONSTRUCTION OPERATIONS IS EVIDENT, CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED
- WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF CONTRACTOR.

 4. PNM WILL PROVIDE AT NO COST TO THE CITY OR THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THE CONTRACTOR SHALL BE CHARGED THE TOTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGED CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.
- 5. CONTRACTOR SHALL SUPPORT AND PROTECT ALL EXISTING, UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWED LINE COSTS
- 6. CONTRACTOR IS TO SUPPORT, PROTECT, AND MAINTAIN THE INTEGRITY OF ALL UNDERGROUND TELEPHONE, ELECTRIC CABLES AND CABLE TELEVISION UTILITIES AT NO ADDITIONAL COST TO THE OWNER. CABLE IS TO BE SUPPORTED AT A MAXIMUM SPACING OF FIFTEEN (15) FEET. CONTRACTOR SHALL COORDINATE WITH AND MAKE NECESSARY PAYMENT (IF ANY) TO UTILITY OWNER FOR DE-ENERGIZATION OF CABLES OR SUPPORT OF CABLES BY THE UTILITY OWNER.
- 7. CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY OR PRIVATE ROADWAY EASEMENTS TO PREVENT ANY EXCAVATED MATERIAL BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
- 8. CONTRACTOR SHALL CONDUCT ALL WORK IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC.
- 9. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
- 10. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL AND UNSUITABLE MATERIAL SHALL BE ARRANGED BY THE CONTRACTOR IN COMPLIANCE WITH ALL APPLICABLE ENVIRONMENTAL REGULATIONS. NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE FOR COSTS ASSOCIATED WITH OBTAINING A DISPOSAL SITE AND HAUL THERETO.
- 11. IF CULTURAL RESOURCES, SUCH AS HISTORIC OR PREHISTORIC ARTIFACTS, OR HUMAN REMAINS ARE DISCOVERED DURING EXCAVATION OR CONSTRUCTION, WORK SHALL CEASE AND THE CONSTRUCTION ENGINEER SHALL NOTIFY THE COUNTY OFFICE OF THE MEDICAL EXAMINER AT (505) 272-3053. IF THE MEDICAL EXAMINER DETERMINES THAT HUMAN REMAINS ARE NOT PRESENT, THE CONSTRUCTION ENGINEER SHALL NOTIFY THE STATE HISTORIC PRESERVATION OFFICER (SHPO) AT 827-6320.
- 12. IF DISTURBING PCC PAVEMENT FOR ART LANES: CONTRACTOR SHALL CONTACT ABQ TRANSIT DEPARTMENT AT LEAST TWO WEEKS PRIOR TO DISTURBING THE PCC PAVEMENT ASSOCIATED WITH THE ART LANES. CONTACT INFO: ROLANDO SUAREZ, PH. 505.205.3444 (RSUAREZ@CABQ.GOV) OR SHAUN GIBSON, PH. 505.250.5269 (SGIBSON@CABQ.GOV).

GOVERNING SPECIFICATIONS

- 1. CITY OF ALBUQUERQUE (CITY) STANDARD SPECIFICATIONS AND REQUIREMENTS.
- ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY SPECIFICATIONS AND REQUIREMENTS.
 NEW MEXICO DEPARTMENT OF TRANSPORTATION (NMDOT) "STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION" LATEST EDITION AND SUPPLEMENTS.
- CITY/UTILITY PROVIDER SPECIFICATIONS, LOCAL PLUMBING CODE
 APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND ORDINANCES

PROJECT AGENCIES/AUTHORITIES

- . MUNICIPALITY: CITY OF ALBUQUERQUE (CITY)
- ROW AUTHORITY: CITY OF ALBUQUERQUE, BERNALILLO COUNTY, AND NMDOT
- UTILITY AUTHORITY: ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
 OTHER AUTHORITIES: TO BE DETERMINED
- 5. NOTE: NOT ALL APPLICABLE AUTHORIES MAY BE LISTED.

GENERAL NOTES

- 1. UNTIL REVISION BLOCK STATES "ISSUED FOR CONSTRUCTION", THE PLAN SET IS NOT CERTIFIED FOR CONSTRUCTION AND CONTRACTOR IS BUILDING AT THEIR OWN RISK.
- 2. EXISTING CONDITIONS SHOWN ARE FROM A TOPOGRAPHIC SURVEY COMPLETED BY STANTEC CONSULTING SERVICES INC., DATED JANUARY 2024. EXISTING FEATURES MAY NOT BE EXACT TO THEIR LOCATION. CONTRACTOR RESPONSIBLE FOR VERIFYING THE CONDITIONS OF THE SITE AND MUST IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF DISCREPANCIES OR VARIATIONS FROM THE DRAWINGS.
- 3. SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-2 ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA". EXACT LOCATION/DEPTH OF SUBSURFACE UTILITIES SUCH AS GAS, TELEPHONE, FIBER OPTIC, SEWER, WATER, PIPELINES, ELECTRICAL, AND CABLE TV ARE UNKNOWN AND THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE.
- 4. CONTRACTOR RESPONSIBLE FOR CONTACTING NM811 (811 OR 1-800-321-2537) A MINIMUM OF 2 WORKING DAYS (NOT INCLUDING THE DAY OF CALL) IN ADVANCE (EXCLUDING HOLIDAYS AND WEEKENDS) BEFORE STARTING WORK FOR LOCATIONS OF UNDERGROUND UTILITIES.
- 5. CONTRACTOR SHALL ANTICIPATE PRIVATE UTILITY CONFLICTS THROUGHOUT THE PROJECT SUB CUT AND TRENCH AREAS AND MUST COORDINATE THE RELOCATION OR PROTECTION OF EXISTING UTILITIES, OR INSTALLATION OF NEW UTILITIES WITH UTILITY OWNERS THAT MAY HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE STARTING WORK. COSTS FOR SUCH WORK, INCLUDING EXTRA TIME AND EFFORT FOR PROVISIONS NECESSARY TO WORK AROUND OR UNDER UTILITIES, IS THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER. FEES OR CHARGES WHICH ARE TO BE PAID TO THE UTILITY COMPANY, INCLUDING WORK THAT MUST BE PERFORMED BY THE UTILITY COMPANY, ARE TO BE INCLUDED IN THE CONTRACTOR'S BID PRICE
- . QUANTITIES ARE APPROXIMATE, AND MAY VARY TO ALLOW COMPLETION OF WORK.
- 7. WORK AND MATERIALS MUST COMPLY WITH CITY, COUNTY, STATE, AND FEDERAL (INCLUDING OSHA) REGULATIONS AND CODES.
- 8. CONTRACTOR SHALL COORDINATE AND MAINTAIN ACCESS TO ADJACENT PROPERTIES THROUGHOUT CONSTRUCTION.
- ONTRACTOR SHALL COORDINATE AND MAINTAIN MAIL, GARBAGE, AND RECYCLING SERVICES TO PROPERTIES THROUGHOUT CONSTRUCTION. COORDINATE WITH LOCAL POSTMASTER, GARBAGE AND RECYCLING SERVICES.
- 10. CONTRACTOR SHALL COORDINATE AND MAINTAIN STORMWATER DRAINAGE CONVEYANCE THROUGHOUT CONSTRUCTION (BOTH PIPED AND OVERLAND FLOW).
- 11. CONTRACTOR SHALL COORDINATE AND MAINTAIN WATER AND SANITARY FLOW TO AND FROM PROPERTIES.
- PROVIDE BYPASS AND TEMPORARY SYSTEMS, AS NECESSARY.

 12. CONTRACTOR SHALL COORDINATE AND MAINTAIN UTILITY SERVICES TO ADJACENT PROPERTIES AT ALL TIMES.

 UTILITY SERVICE MUST NOT BE INTERRUPTED WITHOUT APPROVAL FROM OWNER, CITY, AND ADJACENT
- 13. CONTRACTOR SHALL COORDINATE WITH UTILITY SERVICES FOR SMALL/DRY UTILITY INSTALLATION.
- 14. CONSTRUCTION LIMITS ARE TO PROPERTY LINE AND RIGHT-OF-WAY UNLESS SHOWN OR NOTED OTHERWISE. CONTRACTOR SHALL RESTRICT CONSTRUCTION ACTIVITIES TO AREAS DESIGNATED ON PLANS WITHIN THE CONSTRUCTION LIMITS.
- 15. CONTRACTOR SHALL PRESERVE AND PROTECT EXISTING PAVEMENT, SITE FEATURES, UTILITIES, TREES, ETC., UNLESS NOTED OR SHOWN OTHERWISE.
- 16. CONTRACTOR SHALL PHOTO OR VIDEO DOCUMENT EXISTING CONDITIONS OF TREES AND PLANTINGS, ADJOINING CONSTRUCTION, SURFACES, AND SITE IMPROVEMENTS, ETC. TO REMAIN THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY CONSTRUCTION OPERATIONS. SUBMIT TO ENGINEER AND OWNER BEFORE CONSTRUCTION BEGINS. USE ADEQUATELY DETAILED PHOTOGRAPHS OR VIDEO RECORDINGS. INCLUDE PLANS AND NOTATIONS TO INDICATE SPECIFIC EXISTING DAMAGE CONDITIONS OF ITEMS DESIGNATED TO REMAIN. ANY DAMAGE TO THE EXISTING PAVEMENT, CURBING, STRIPING, OR OTHER SITE FEATURE TO REMAIN MUST BE REPLACED BY THE CONTRACTOR, TO OWNER'S SATISFACTION, AT NO ADDITIONAL COST TO THE OWNER.
- 17. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT
- PROPERTIES DURING CONSTRUCTION AND WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES.

 18. CONTRACTOR MUST IMMEDIATELY NOTIFY THE OWNER AND ENGINEER IN WRITING OF DISCREPANCIES OR CONFLICTS IN THE CONTRACT DOCUMENTS BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS ARE TO BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM THE ENGINEER. FAILURE TO NOTIFY OWNER AND ENGINEER OF AN IDENTIFIABLE CONFLICT BEFORE PROCEEDING WITH INSTALLATION RELIEVES OWNER AND ENGINEER OF ANY OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.
- 19. CONTRACTOR SHALL HAVE ONE COPY OF EACH REQUIRED CONSTRUCTION PERMIT AND ONE COPY OF THE MOST CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS (INCLUDING PLANS, SPECIFICATIONS, GEOTECHNICAL REPORT, SPECIAL CONDITIONS AND PROVISIONS, ETC.) AVAILABLE AT THE PROJECT SITE AT ALL TIMES
- 20. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR IMPLEMENTATION AND ENFORCEMENT OF SAFE WORK PRACTICES, INCLUDING BUT NOT LIMITED TO PERSONNEL MONITORING, USE OF TRENCHING, SHEETING, AND SHORING, SCAFFOLDING; MATERIALS HANDLING AND DRILLING; OPERATION OF EQUIPMENT; AND SAFETY OF PUBLIC DURING PROGRESS OF WORK.
- 21. CONTRACTOR SHALL PLAN FOR AND ENSURE PERSONNEL COMPLY WITH PROVISIONS OF OSHA SAFETY AND HEALTH STANDARDS (29 CFR 1910) AND GENERAL CONSTRUCTION STANDARDS (29 CFR 1926) AS APPROPRIATE.
- 22. CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH WORK. CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS FOR SAFETY OF EMPLOYEES ON PROJECT SITE AND OTHER PERSONS AND ORGANIZATIONS WHO MAY BE AFFECTED BY THE PROJECT. CONTRACTOR'S DUTIES AND RESPONSIBILITIES FOR SAFETY IN CONNECTION WITH WORK SHALL CONTINUE UNTIL SUCH TIME AS ALL WORK IS COMPLETED, AND ENGINEER HAS ISSUED NOTICE TO CONTRACTOR THAT WORK IS COMPLETE.
- 23. HAZARDOUS MATERIALS, INCLUDING BUT NOT LIMITED TO OIL, GASOLINE, PAINT AND OTHER HAZARDOUS SUBSTANCES MUST BE PROPERLY STORED, BY THE CONTRACTOR, INCLUDING SECONDARY CONTAINMENTS, TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE. RESTRICTED ACCESS TO STORAGE AREAS MUST BE PROVIDED TO PREVENT VANDALISM. STORAGE AND DISPOSAL OF HAZARDOUS WASTE MUST BE IN COMPLIANCE WITH LOCAL/STATE/FEDERAL REGULATIONS. CONTRACTOR SHALL REMOVE SPILL OF FUELS, OILS, OR OTHER CHEMICALS IMMEDIATELY UPON DETECTION.
- 24. CONTRACTOR SHALL DOCUMENT AND MAINTAIN AS-BUILT INFORMATION AS CONSTRUCTION PROGRESSES AND IS RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER AS REQUIRED BY JURISDICTIONAL AGENCIES FOR CERTIFICATION. ALL AS-BUILT DATA MUST BE COLLECTED BY A LICENSED PROFESSIONAL LAND SURVEYOR REGISTERED IN THE PROJECT'S STATE WHOSE SERVICES ARE ENGAGED AND PAID FOR BY THE CONTRACTOR.

TYPICAL OWNER / ENGINEER OBSERVATIONS

- 1. SEE GENERAL NOTES FOR ADDITIONAL PROJECT AND SITE INFORMATION.
- CONTRACTOR MUST NOTIFY OWNER, ENGINEER, AND CITY IN WRITING A MINIMUM OF 3 BUSINESS DAYS IN
 ADVANCE OF THE FOLLOWING ACTIVITIES FOR ATTENDENCE AND OBSERVATION: PRE-CONSTRUCTION MEETING,
 UNDERGROUND PIPING AND UTILITIES INSTALLATION, UTILITY TESTING, STRUCTURES AND APPURTENANCES
 INSTALLATION, SUBGRADE PREPARATION, BASE INSTALLATION, CURB INSTALLATION, AND PAVEMENT
 INSTALLATION.



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

WESTPOINTE DATA CENTER

GENERAL NOTES

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | ZONE MAP NO. | J-09-Z & K-09-Z | CITY PROJECT NO. | 655779

SHEET NO.

o. 2 TO 16

7/29/2024

- 2. THE HORIZONTAL CONTROL FOR THIS PLAN IS NAD83 NEW MEXICO STATE PLANES, CENTRAL ZONE, US FOOT
- THE VERTICAL CONTROL FOR THE PLAN IS NAVD88
- 4. COORDINATE ADJUSTMENT FACTOR = 1.0003231864 MULTIPLY COORDINATES BY COORDINATE ADJUSTMENT FACTOR TO GET TO STATE PLANE.

GRADING NOTES

- 1. SEE GENERAL NOTES FOR ADDITIONAL PROJECT AND SITE INFORMATION.
- PROPOSED CONTOURS ARE TO FINISHED SURFACE GRADE, UNLESS NOTED OTHERWISE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO QUANTIFY SOIL IMPORT OR EXPORT FOR THE SITE AND PERFORM THEIR OWN QUANTITY TAKEOFFS FROM THE DRAWINGS FOR BIDDING PURPOSES. EXCESS MATERIAL. UNLESS NOTED OTHERWISE, IS THE PROPERTY OF THE CONTRACTOR AND IS TO BE MOVED AND DISPOSED OF OFFSITE IN ACCORDANCE WITH APPLICABLE LAWS.
- 4. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AND ENSURE NO PONDING IN PAVED AREAS. CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IF GRADING DISCREPANCIES ARE FOUND IN EXISTING OR PROPOSED GRADES PRIOR TO PLACEMENT OF PAVEMENT. OBSERVE PAVEMENT AREAS FOR EVIDENCE OF PONDING BEFORE PLACEMENT OF PAVEMENT TO ENSURE DRAINAGE IS ADEQUATE TO INTENDED AREA.
- 5. CONTRACTOR SHALL BACKFILL SUBGRADE AND TRENCH EXCAVATIONS PROMPTLY AFTER EXCAVATION TO HELP OFFSET STABILITY PROBLEMS DUE TO WATER SEEPAGE OR STEEP SLOPES, TO AVOID UNDERMINING OF EXISTING PAVEMENT, AND FOR PUBLIC SAFETY AND ACCESS TO DRIVEWAYS.
- EXISTING TOPSOIL ON SITE VARIES IN DEPTH. CONTRACTOR SHALL REMOVE SURFACE VEGETATION AND TOPSOIL AND OTHER LOOSE, SOFT OR OTHERWISE UNSUITABLE MATERIAL FROM THE IMPERVIOUS AREAS AND OTHER AREAS AS DIRECTED BY THE ENGINEER BEFORE PLACEMENT OF SUITABLE FILL MATERIAL
- 7. CONTRACTOR SHALL EXCAVATE AND DISPOSE OF UNSUITABLE OR CONTAMINATED SOILS DISCOVERED ONSITE IN ACCORDANCE WITH APPLICABLE REGULATIONS AND AS DIRECTED BY THE ENGINEER.
- 8. CONTRACTOR SHALL CONSTRUCT/GRADE SIDEWALKS AND ACCESSIBLE ROUTES INCLUDING CROSSING DRIVEWAYS IN ACCORDANCE WITH CURRENT ADA STATE AND NATIONAL STANDARDS. NOTIFY ENGINEER IN WRITING IMMEDIATELY IF ADA CRITERIA CANNOT BE MET AT ANY LOCATION.
- 9. EXISTING SPOT ELEVATIONS AT MATCH POINTS ARE BASED ON INTERPOLATED POINT TO POINT SURVEY DATA. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION POINTS PRIOR TO INSTALLATION OF IMPROVEMENTS. CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IMMEDIATELY OF ANY FIELD DISCREPANCIES. CONTRACTOR IS RESPONSIBLE FOR MAKING NECESSARY ADJUSTMENTS IN THE FIELD FOR CONSTRUCTABILITY, REGULATORY COMPLIANCE (ADA), POSITIVE DRAINAGE, AND TO ENSURE SMOOTH TRANSITIONS TO FIELD CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR REWORK OF A DISCREPANCY THAT IS NOT COMMUNICATED TO THE ENGINEER IN WRITING AT NO ADDITIONAL COST TO THE OWNER.
- 10. EXCAVATE, COMPACT EMBANKMENT/SUITABLE FILL AND BACKFILL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND IN ACCORDANCE WITH CITY/UTILITY PROVIDER REQUIREMENTS.
- 11. CONTRACTOR SHALL MEET MOISTURE CONTENT/CONTROL REQUIREMENTS IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AND CITY/UTILITY PROVIDER REQUIREMENTS AND SITE TESTING REQUIREMENTS.
- 12. ONSITE EMBANKMENT MATERIAL FREE OF ORGANIC SOIL AND DEBRIS MAY BE CONSIDERED FOR REUSE AS SUITABLE FILL MATERIAL IN PERVIOUS AREAS BUT MUST BE ACCEPTED BY THE ENGINEER.
- 13. IMPORTED SUITABLE FILL MATERIAL NEEDED MAY CONSIST OF SAND (SW, SP), SILTY SAND (SM), CLAYEY SAND (SC), SANDY LEAN CLAY OR LEAN CLAY (CL), ACCORDING TO THE USCS CLASSIFICATION WITH A PLASTIC INDEX OF THESE MATERIALS NOT EXCEEDING 15 AND MUST BE ACCEPTED BY THE ENGINEER BEFORE BRINGING ON THE
- 14. ANY EXISTING STRUCTURES (I.E. MANHOLES, VALVES, ETC.) WITHIN THE LIMITS OF DISTURBANCE SHALL HAVE RIMS ADJUSTED TO MATCH PROPOSED GRADES, UNLESS NOTED OTHERWISE. ADJUSTMENTS SHALL BE IN ACCORDANCE
- WITH CITY/UTILITY PROVIDER REQUIREMENTS 15. CONTRACTOR SHALL PROVIDE DEWATERING MEASURES AS REQUIRED OR AS DIRECTED BY THE ENGINEER AT NO
- ADDITIONAL COST TO THE OWNER. 16. FIELD QUALITY CONTROL:
- A. SOILS TESTING WILL BE COMPLETED BY A GEOTECHNICAL ENGINEER/INDEPENDENT TESTING AGENCY HIRED BY THE CONTRACTOR AND APPROVED BY THE CITY. CONTRACTOR SHALL COORDINATE REQUIRED SOILS TESTS AND INSPECTIONS WITH THE ENGINEER.
- B. TESTING SHALL FOLLOW THE FREQUENCY OUTLINED IN THE CITY SPECIFICATIONS. WHERE NO FREQUENCY IS PROVIDED, CONSULT NMDOT SPECIFICATIONS/FIELD MANUALS. WHERE NO FREQUENCY IS PROVIDED, CONSULT THE ENGINEER FOR MINIMUM REQUIREMENTS.
- 17. TOLERANACES:
- A. GRADING ELEVATIONS CONFORM TO THE CITY SPECIFICATIONS. WHERE NO GUIDANCE IS PROVIDED, CONSULT NMDOT SPECIFICATIONS AND THE FOLLOWING: FINISHED GRADING OF SUBGRADE PRIOR TO PLACEMENT OF AGGREGATE BASE COURSES SHALL NOT VARY BY MORE THAN 0.05 FEET ABOVE OR BELOW THE DESIGN, OR ENGINEER ADJUSTED GRADE

UTILITY NOTES

- 1. SEE GENERAL NOTES FOR ADDITIONAL PROJECT AND SITE INFORMATION.
- 2. CONTRACTOR SHALL COMPLY WITH THE SPECIFICATIONS AND REQUIREMENTS OF ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY, NEW MEXICO PLUMBING CODE, NEW MEXICO DOT, NEW MEXICO ENVIRONMENT DEPARTMENT, AND LOCAL REQUIREMENTS FOR MATERIALS, INSTALLATION, AND TESTING OF
- 3. CONTRACTOR SHALL COMPLY WITH THE SPECIFICATIONS AND REQUIREMENTS OF CITY/UTILITY PROVIDER SPECIFICATIONS, LOCAL PLUMBING CODE FOR MATERIALS, INSTALLATION, AND TESTING OF WATER AND SANITARY
- 4. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3 FEET COVER ON ALL WATERLINES, UNLESS OTHERWISE NOTED. PROVIDE HYDRANT EXTENSIONS AND GATE VALVE NUT EXTENSIONS IF WATERLINE IS DEEPER THAN MINIMUM COVER. PROVIDE INSULATION OVER WATERMAIN AND SERVICES WITH PROPOSED ELEVATIONS LESS THAN MINIMUM BURY DEPTH PER PROJECT DETAILS AND UTILITY PROVIDER REQUIREMENTS.
- 5. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 4 FEET COVER ON ALL SANITARY SEWER AND SERVICES, UNLESS OTHERWISE NOTED. PROVIDE INSULATION OVER SANITARY SEWER AND SERVICES WITH PROPOSED ELEVATIONS LESS THAN MINIMUM BURY DEPTH PER PROJECT DETAILS AND UTILITY PROVIDER REQUIREMENTS.
- 6. CONTRACTOR SHALL PROVIDE 10 FEET MINIMUM HORIZONTAL SEPARATION (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE/STRUCTURE) BETWEEN WATER LINES AND SANITARY OR STORM LINES AND STRUCTURES
- 7. CONTRACTOR SHALL PROVIDE 18 INCH MINIMUM VERTICAL SEPARATION (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE) BETWEEN WATER LINES AND OTHER UTILITY LINE CROSSINGS. PROVIDE INSULATION WHERE WATER, SANITARY OR STORM UTILITIES CROSS. OFFSET WATERMAIN AND SERVICES AS NECESSARY.
- 8. PIPE LENGTH INDICATED BETWEEN STRUCTURES IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS NOTED OTHERWISE.
- 9. PIPE SIZES SHOWN ON THE PLANS ARE INTERNAL PIPE DIAMETER.

REQUIREMENTS AND PROJECT DETAILS AND SPECIFICATIONS.

- 10. CONTRACTOR SHALL INSTALL TRACER WIRE ON ALL SEWER AND WATER MAINS, LATERALS, SERVICE PIPE AND CONNECTIONS TO RISERS, CURB BOXES, MANHOLES, VALVES, HYDRANTS PER CITY/UTILITY PROVIDER
- 11. IN THE EVENT OF A VERTICAL CONFLICT BETWEEN WATER LINES, SANITARY LINES, STORM LINES AND GAS LINES (EXISTING AND PROPOSED), THE WATER LINE MUST INCLUDE ONE FULL LENGTH OF PIPE SO BOTH JOINTS ARE AS FAR FROM THE SEWER/UTILITY AS POSSIBLE AND SHALL HAVE MECHANICAL JOINTS WITH APPROPRIATE THRUST BLOCKING AS REQUIRED TO PROVIDE MINIMUM CLEARANCE.
- 12. WATERMAINS AND SERVICES SHALL NOT HAVE ANY INTERMITTENT HIGH POINTS, EXCEPT AT HYDRANTS OR AS NOTED AT SPECIFIC LOCATIONS ON THE PLANS.
- 13. CONTRACTOR SHALL VERIFY PIPE SIZE, MATERIAL, AND ELEVATION FOR ALL CONNECTIONS. PROVIDE APPROPRIATE PIPES AND FITTINGS REQUIRED TO MAKE CONNECTIONS TO EXISTING INFRASTRUCTURE AS VERIFIED IN THE FIELD IN ACCORDANCE WITH CITY/UTILITY PROVIDER REQUIREMENTS.
- 14. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED, AND APPROVED PRIOR TO BACKFILLING IN ACCORDANCE WITH AGENCY HAVING JURISDICTION REQUIREMENTS.
- 15. CONTRACTOR SHALL PLACE AND COMPACT SUITABLE FILL MATERIAL BEFORE INSTALLATION OF PROPOSED
- 16. ANY EXISTING STRUCTURES (I.E. MANHOLES, VALVES, ETC.) WITHIN THE LIMITS OF DISTURBANCE SHALL HAVE RIMS ADJUSTED TO MATCH PROPOSED GRADES, UNLESS NOTED OTHERWISE. ADJUSTMENTS SHALL BE IN ACCORDANCE WITH CITY/AGENCY HAVING JURISDICTION REQUIREMENTS.

UTILITY NOTES CONT'D

- 17. SANITARY SEWER MAIN, SERVICE PIPES, FITTINGS, AND STRUCTURES SHALL MEET THE FOLLOWING REQUIREMENTS:
- A. SANITARY MAIN PIPE (TO 16 FT DEPTH): PVC SDR 26 PER ASTM D3034
- B. SANITARY MAIN PIPE (16 FT TO 25 FT DEPTH): PVC SDR 26 PER ASTM D3034
- C. SANITARY PIPE FITTINGS: ASTM D2665 FOR SDR AND SCH 40 PVC PIPE, INJECTION MOLDED (GRAVITY LINES ONLY) D. SANITARY PIPE GASKETS: ASTM F477 FOR SDR AND C900 PIPE
- E. SANITARY PIPE JOINTS: ASTM D3212 FOR SDR PIPE
- F. SANITARY SYSTEM TRACER WIRE: CITY AND ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
- G. SANITARY PRECAST STRUCTURE: CONFORM TO THE DETAILS/STANDARD PLATES AS SHOWN ON THE DRAWINGS INCLUDING INTEGRAL BASE SECTIONS AND RUBBER GASKETED TONGUE AND GROOVE JOINTS, UNLESS SHOWN OTHERWISE. ALL PIPE OPENINGS SHALL HAVE INTEGRAL CAST WATERTIGHT SEAL.
- H. SANITARY PRECAST STRUCTURE DESIGN: THE STRUCTURE BASE SLAB, PERIMETER WALLS, AND TOP SLAB SHALL BE DESIGNED FOR SHEAR STRENGTH, FLEXURAL STRENGTH, AND OTHER APPLICABLE STRENGTHS DUE TO HYDROSTATIC LOADING. THE DESIGN OF THE STRUCTURE SHALL CONFORM TO A MINIMUM FACTOR OF SAFETY OF 1.3 FOR BUOYANCY AND FLOTATION. THE HYDROSTATIC LOADING (WATER TABLE ELEVATIONS) SHALL BE ASSUMED FROM THE TOP OF THE STRUCTURE. THE STRUCTURE SHALL BE DESIGNED AND DETAILED PREPARED BY A PROFESSIONAL ENGINEER, EXPERIENCED IN PRECAST CONCRETE MANHOLE DESIGN, WHO IS LICENSED IN
- THE STATE OF NEW MEXICO. I. SANITARY PIPE/STRUCTURE CONNECTION: CONTRACTOR SHALL PROVIDE AND INSTALL A FLEXIBLE COMPRESSION JOINT TO MAKE WATERTIGHT CONNECTIONS TO MANHOLES IN ACCORDANCE WITH THE UTILITY PROVIDER
- REQUIREMENTS AND AUTHORITY HAVING JURISDICTION. J. STRUCTURE ADJUSTMENT RINGS: CONCRETE WITH MINIMUM 3,000 PSI COMPRESSIVE STRENGTH, SINGLE HOOP 8-GAUGE STEEL WIRE REINFORCEMENT, AND 2 INCH THICKNESS EACH RING
- K. ADHESION MATERIAL: BETWEEN TOP SLAB AND BARREL SECTION RAM-NEK OR APPROVED EQUAL. FOR CONCRETE RINGS, USE AIR ENTRAINED UNDERGROUND UTILITY MORTAR IN ACCORDANCE WITH ASTM C270, ASTM C387, AND MANUFACTURER REQUIREMENTS.
- L. EXTERNAL/INTERNAL SEALS: IN ACCORDANCE WITH CITY REQUIREMENTS
- 18. WATERMAIN, SERVICE PIPES AND FITTINGS TO MEET THE FOLLOWING REQUIREMENTS:
- A. WATERMAIN PIPING: PVC C900 DR 18 PER AWWA C 900, PER CURRENT WATER AUTHORITY APPROVED PRODUCTS B. WATERMAIN PIPE FITTINGS: AWWA C153 DUCTILE IRON COMPACT FITTINGS, 250 PSI WORKING PRESSURE WITH
- INTERNAL AND EXTERNAL COATING, PER CURRENT WATER AUTHORITY APPROVED PRODUCTS LIST. C. WATERMAIN PIPE JOINTS: AWWA C111 WITH MECHANICAL JOINTS AND THRUST BLOCKING PER PROJECT DETAILS. D. WATERMAIN STUBS: MECHANICALLY RESTRAINED JOINTS WITH THRUST BLOCKING PER PROJECT DETAILS. E. WATER SYSTEM TRACER WIRE: CITY REQUIREMENTS AND ALBUQUERQUE BERNALILLO COUNTY WATER UTLITY
- F. ENCASEMENT: POLYETHYLENE FILM PER AWWA C105. ENCASE DUCTILE IRON PIPE, FITTINGS, VALVES, AND OTHER APPURTENANCES
- G. JOINT RESTRAINT: PROVIDE AT ALL BENDS, TEES, AND DEAD-ENDS/STUBS IN ACCORDANCE WITH THE UTILITY PROVIDER REQUIREMENTS AND EBAA IRON RESTRAINT LENGTH CALCULATOR.
- H. THRUST BLOCKING: PROVIDE BLOCKING IN ACCORDANCE WITH UTILITY PROVIDER REQUIREMENTS.
- I. HYDRANTS: PER UTILITY PROVIDER REQUIREMENTS J. VALVES: PER UTILITY PROVIDER REQUIREMENTS

AUTHORITY.

- 19. IF MANUFACTURER DETAILS SPECIFY DESIGN COMPONENTS TO BE DETERMINED BY SITE DESIGN ENGINEER, CONTRACTOR IS RESPONSIBLE FOR CONTACTING SITE DESIGN ENGINEER TO VERIFY SYSTEM REQUIREMENTS PRIOR TO CONSTRUCTION IF NOT NOTED IN THE DRAWINGS.
- 20. CONTRACTOR SHALL COMPACT EMBANKMENT/BEDDING/BACKFILL MATERIAL IN ACCORDANCE WITH ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY SPECIFICATIONS, THE GEOTECHNICAL REPORT, AND SITE TESTING REQUIREMENTS.
- 21. CONTRACTOR SHALL MEET MOISTURE CONTENT/CONTROL REQUIREMENTS IN ACCORDANCE WITH NMDOT SPECS 203, 206, 207, 209, 303, THE GEOTECHNICAL REPORT, AND SITE TESTING REQUIREMENTS.
- 22. FIELD QUALITY CONTROL, TESTING, INSPECTIONS, AND CERTIFICATIONS MUST COMPLY WITH THE FOLLOWING: A. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, AGENCY HAVING JURISDICTION
- AND UTILITY PROVIDER COMPANIES. B. SANITARY LINES AND STRUCTURES, INCLUDING BUT NOT LIMITED TO:
- 1) SANITARY PIPE AND STRUCTURES TESTING: MEET LOCAL PLUMBING CODE REQUIREMENTS/UTILITY PROVIDER/AGENCY HAVING JURISDICTION REQUIREMENTS
- 2) LEAKAGE TESTING: MEET CITY/UTILITY PROVIDER/AGENCY HAVING JURISDICTION REQUIREMENTS 3) DEFLECTION TESTING: MEET CITY/UTILITY PROVIDER/AGENCY HAVING JURISDICTION REQUIREMENTS 4) TELEVISING: MEET CITY/UTILITY PROVIDER/AGENCY HAVING JURISDICTION REQUIREMENTS
- 5) CONDUCTIVITY/TRACING TESTING: MEET CITY/UTILITY PROVIDER/AGENCY HAVING JURISDICTION
- C. WATER LINES AND STRUCTURES, INCLUDING BUT NOT LIMITED TO:
- 1) WATER PIPE AND STRUCTURES TESTING: MEET CITY/UTILITY PROVIDER/AGENCY HAVING JURISDICTION REQUIREMENTS, NEW MEXICO ENVIRONMENT DEPARTMENT, NEW MEXICO PLUMBING CODE, AND LOCAL WATER
- 2) HYDROSTATIC PRESSURE TESTING: MEET CITY/UTILITY PROVIDER/AGENCY HAVING JURISDICTION REQUIREMENTS
- 3) DISINFECTION TESTING: MEET ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY SPECIFICATIONS AND REQUIREMENTS
- 4) CONDUCTIVITY/TRACING TESTING: MEET CITY/UTILITY PROVIDER/AGENCY HAVING JURISDICTION REQUIREMENTS
- D. SERVICE TRENCH COMPACTION TESTING: IN ACCORDANCE WITH UTILITY PROVIDER REQUIREMENTS.
- E. SANITARY MAIN TRENCH COMPACTION TESTING: IN ACCORDANCE WITH UTILITY PROVIDER REQUIREMENTS. F. SANITARY STRUCTURE COMPACTION TESTING: IN ACCORDANCE WITH UTILITY PROVIDER REQUIREMENTS. G. WATERMAIN TRENCH COMPACTION TESTING: IN ACCORDANCE WITH UTILITY PROVIDER REQUIREMENTS.
- H. WATER STRUCTURE/VALVE COMPACTION TESTING: IN ACCORDANCE WITH UTILITY PROVIDER REQUIREMENTS. A. SANITARY PIPE HORIZONTAL: WITHIN 0.50 FEET OF ALIGNMENT
- B. SANITARY PIPE VERTICAL: ZERO PLUS AND 0.08 FEET MINUS ELEVATION SHOWN WITH NO INTERMEDIATE HIGH POINTS, LEVEL SECTION, OR REVERSE INVERT SLOPE. C. SANITARY PIPE JOINT DEFLECTION: NO MORE THAN 75% OF MAXIMUM ALLOWABLE, AS RECOMMENDED BY
- MANUFACTURERS OF PIPE AND JOINT MATERIAL D. SANITARY STRUCTURE RIM ELEVATIONS: ZERO PLUS AND 0.08 FEET MINUS ELEVATION SHOWN
- E. WATER PIPE HORIZONTAL: WITHIN 0.50 FEET OF ALIGNMENT
- F. WATER PIPE VERTICAL: 0 FEET PLUS AND 1 FEET MINUS ELEVATION SHOWN, WHILE MEETING THE MINIMUM SEPARATION REQUIREMENTS AT CROSSINGS.
- G. WATER PIPE JOINT DEFLECTION: NO MORE THAN 75% OF MAXIMUM ALLOWABLE, AS RECOMMENDED BY MANUFACTURERS OF PIPE AND JOINT MATERIAL
- H. HYDRANT/VALVE/CASTING ELEVATION: WITHIN 0.05 FEET OF FINAL ELEVATION. VALVE/TRACER WIRE BOXES, CURB STOPS, AND CASTINGS SHALL NOT EXTEND ABOVE FINAL PAVED SURFACE ELEVATION

STORM SEWER NOTES

- 1. SEE GENERAL NOTES FOR ADDITIONAL PROJECT AND SITE INFORMATION. 2. CONTRACTOR SHALL COMPLY WITH THE SPECIFICATIONS OF THE CITY/UTILITY PROVIDER, NMDOT, NEW MEXICO ENVIRONMENT DEPARTMENT, AND LOCAL PLUMBING CODE FOR MATERIALS, INSTALLATION, AND TESTING OF
- 3. CONTRACTOR SHALL PROVIDE 10 FEET SEPARATION (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF
- PIPE/STRUCTURE) BETWEEN WATER LINES AND SANITARY OR STORM LINES AND STRUCTURE. 4. CONTRACTOR SHALL PROVIDE 18 INCH MINIMUM VERTICAL SEPARATION (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE/STRUCTURE) BETWEEN WATER LINES AND OTHER UTILITY LINES. PROVIDE INSULATION WHERE
- WATER, SANITARY, OR STORM UTILITIES CROSS. OFFSET WATERMAIN AND SERVICES AS NECESSARY. 5. CONTRACTOR SHALL VERIFY PIPE SIZE, MATERIAL, AND ELEVATION FOR CONNECTIONS. PROVIDE APPROPRIATE PIPES AND FITTINGS REQUIRED TO MAKE CONNECTIONS TO EXISTING INFRASTRUCTURE AS VERIFIED IN THE FIELD.
- 6. CONTRACTOR SHALL PLACE AND COMPACT SUITABLE FILL MATERIAL BEFORE INSTALLATION OF PROPOSED UTILITIES.

STORM SEWER NOTES CONT'D

- 7. LINES UNDERGROUND SHALL BE INSTALLED, INSPECTED, AND APPROVED PRIOR TO BACKFILLING IN ACCORDANCE WITH AGENCY HAVING JURISDICTION REQUIREMENTS.
- 8. PIPE LENGTH INDICATED BETWEEN STRUCTURES IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS NOTED OTHERWISE. PIPE LENGTH INDICATED BETWEEN STRUCTURE AND FLARED END SECTION IS FROM
- CENTER OF STRUCTURE TO END OF FLARED END SECTION. 9. PIPE SIZES SHOWN ON THE PLANS ARE INTERNAL PIPE DIAMETER.
- 10. IF MANUFACTURER DETAILS SPECIFY DESIGN COMPONENTS TO BE DETERMINED BY SITE DESIGN ENGINEER, CONTRACTOR IS RESPONSIBLE FOR CONTACTING SITE DESIGN ENGINEER TO VERIFY SYSTEM REQUIREMENTS PRIOR TO CONSTRUCTION IF NOT NOTED IN THE DRAWINGS.
- 11. STORM SEWER MAINS, SERVICE PIPES, FITTINGS, AND STRUCTURES TO MEET. CITY SPECIFICATION AND THE FOLLOWING REQUIREMENTS:
- A. SEE CITY SPEC SECTION 123 FOR REINFORCED CONCRETE PIPE REQUIREMENTS.
- B. PIPE JOINTS: JOINTS MUST BE CERTIFIED BY THE MANUFACTURER TO BE ABLE TO PASS THE AIR TEST OR INTERNAL HYDROSTATIC PRESSURE REQUIRED BY THE AGENCY HAVING JURISDICTION.
- C. PIPE CONNECTION TO EXISTING STORM STRUCTURE: CONTRACTOR SHALL PROVIDE AND INSTALL A FLEXIBLE COMPRESSION JOINT TO MAKE WATERTIGHT CONNECTIONS TO MANHOLES IN ACCORDANCE WITH UTILITY PROVIDER REQUIREMENTS. RESILIENT RUBBER JOINTS MEETING ASTM C923 MAY BE USED IF APPROVED BY AGENCY HAVING JURISDICTION, SEE PROJECT DETAILS.
- D. STORM PRECAST STRUCTURES GENERAL: ASTM C478 AND DRAWING DETAILS.
- E. STORM PRECAST STRUCTURE JOINTS: RUBBER O-RING GASKET MEETING ASTM C443
- F. STORM PRECAST STRUCTURE STEPS: PER DETAILS
- G. STORM PRECAST STRUCTURE DESIGN: DETAILED AND PREPARED BY A PROFESSIONAL ENGINEER EXPERIENCED IN PRECAST CONCRETE STRUCTURE DESIGN WHO IS LICENSED IN THE STATE OF NEW MEXICO. DESIGN SHALL CONFORM TO A MINIMUM SAFETY FACTOR OF 1.3 FOR BUOYANCY AND FLOTATION WITH THE HYDROSTATIC LOADING (WATER TABLE ELEVATIONS) ASSUMED FROM THE TOP OF THE STRUCTURE. THE DESIGN OF THE BASE SLAB. WALLS. AND TOP SLAB SHALL BE DESIGNED FOR SHEAR STRENGTH. FLEXURAL STRENGTH. AND OTHER APPLICABLE STRENGTHS DUE TO HYDROSTATIC LOADING. THE DESIGN SHALL BE IN ACCORDANCE WITH THE MOST CURRENT ACI 318, AASHTO, CITY OF ALBUQUERQUE, AND NMDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, EXCEPT AS NOTED.
- H. STORM PRECAST STRUCTURE MORTAR MATERIALS: ASTM C270 AND ASTM C387 WITH AIR CONTENT OF AT LEAST 8
- I. STORM PRECAST STRUCTURE ADJUSTMENT RINGS: SIZE TO MATCH CONE OR OPENING IN TOP SLAB. CONCRETE WITH MINIMUM 3,000 PSI COMPRESSIVE STRENGTH, SINGLE HOOP 8-GAUGE STEEL WIRE REINFORCEMENT, AND 2 INCH THICKNESS EACH RING
- J. STORM PRECAST STRUCTURE ADHESION MATERIAL: BETWEEN TOP SLAB AND BARREL SECTION RAM-NEK OR APPROVED EQUAL. FOR CONCRETE RINGS, USE MORTAR MATERIALS.
- K. STORM PRECAST STRUCTURE INTERNAL/EXTERNAL SEAL: IN ACCORDANCE WITH CITY REQUIREMENTS 12. STORM PIPE BEDDING: CONTRACTOR SHALL INSTALL AND PROVIDE BEDDING FOR PIPING/STORMWATER
- SYSTEMS/VAULTS/CHAMBERS/ STRUCTURES IN ACCORDANCE WITH UTILITY PROVIDER, ASTM D 2321 AND ASTM F 1668 (FOR GRAVITY SEWER), ASTM D 2774 (FOR PRESSURE PIPE), ASTM C 1479 (FOR RC PIPE), AWWA C600 (FOR DIP PIPE), AWWA C605 (FOR PVC), ASTM A 798 (FOR CMP), AND PROJECT/MANUFACTURER DETAILS AND SPECIFICATIONS.
- 13. STORM PIPE BEDDING: CONTRACTOR SHALL INSTALL AND PROVIDE BEDDING FOR PIPING/STORMWATER SYSTEMS/VAULTS/CHAMBERS/ STRUCTURES IN ACCORDANCE WITH UTILITY PROVIDER, ASTM D 2321 AND ASTM F 1668 (FOR GRAVITY SEWER), ASTM D 2774 (FOR PRESSURE PIPE), ASTM C 1479 (FOR RC PIPE), AWWA C600 (FOR DIP PIPE), AWWA C605 (FOR PVC), ASTM A 798 (FOR CMP), AND PROJECT/MANUFACTURER DETAILS AND SPECIFICATIONS.
- 14. STORM SYSTEM TRACER WIRE: MEET AUTHORITY HAVING JURISDICTION REQUIREMENTS
- 15. CONTRACTOR SHALL COMPACT EMBANKMENT/BEDDING/BACKFILL MATERIAL IN ACCORDANCE WITH CITY/UTILITY PROVIDER REQUIREMENTS, IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, AND SITE TESTING REQUIREMENTS.
- CONTRACTOR SHALL MEET MOISTURE CONTENT/CONTROL REQUIREMENTS IN ACCORDANCE WITH CITY/UTILITY PROVIDER REQUIREMENTS, THE GEOTECHNICAL REPORT, AND SITE TESTING REQUIREMENTS.
- 17. FIELD QUALITY CONTROL, TESTING, INSPECTIONS, AND CERTIFICATIONS MUST COMPLY WITH THE FOLLOWING: A. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, AGENCY HAVING JURISDICTION AND UTILITY SERVICE COMPANIES.
- B. STORM LINES AND STRUCTURES, INCLUDING BUT NOT LIMITED TO:
- 1) STORM PIPE DEFLECTION TESTING: MEET CITY/UTILITY PROVIDER/AGENCY HAVING JURISDICTION REQUIREMENTS
- 2) STORM PIPE LEAKAGE TESTING: MEET CITY/UTILITY PROVIDER/AGENCY HAVING JURISDICTION REQUIREMENTS 3) STORM PIPE LAMPING: VERIFY INSTALLATION IS TRUE TO LINE AND GRADE. VERIFY INSTALLED PIPE IS STRUCTURALLY SOUND. VERIFY THERE ARE NO BROKEN OR DEFLECTIVE PIPES. VERIFY THAT JOINTS ARE ALL
- PUSHED HOME. VERIFY STRUCTURES CONFORM TO SPECIFIED REQUIREMENTS. PROVIDE VERIFICATION OF THE ABOVE IN WRITING TO THE OWNER AND ENGINEER.
- 4) STORM PIPE INFILTRATION TESTING: IN ACCORDANCE WITH THE CITY/UTILITY PROVIDER/AGENCY HAVING 5) STORM PIPE CONTINUITY TESTING: IN ACCORDANCE WITH THE CITY/UTILITY PROVIDER/AUTHORITY HAVING
- 6) TELEVISING: MEET CITY/UTILITY PROVIDER/AGENCY HAVING JURISDICTION REQUIREMENTS 7) STORM PIPE TRENCH COMPACTION TESTING: IN ACCORDANCE WITH THE CITY/UTILITY PROVIDER/AGENCY HAVING JURISDICTION
- 8) STORM CULVERT TRENCH COMPACTION TESTING: IN ACCORDANCE WITH THE CITY/UTILITY PROVIDER/AGENCY HAVING JURISDICTION
- 9) STORM STRUCTURE COMPACTION TESTING: IN ACCORDANCE WITH CITY/UTILITY PROVIDER/AGENCY HAVING
- 10) BASIN INFILTRATION TESTING: IN ACCORDANCE WITH CITY/AGENCY HAVING JURISDICTION C. A COPY OF THE TEST RESULTS MUST BE PROVIDED TO THE OWNER, ENGINEER, UTILITY PROVIDER, AND AGENCY HAVING JURISDICTION.
- 18. CONTRACTOR SHALL CLEAN STRUCTURES AND PIPING OF DEBRIS AND SEDIMENT DURING AND AT THE END OF CONSTRUCTION UNTIL ACCEPTED BY THE OWNER AND ENGINEER.
- 19. TOLERANCES:
- A. STORM PIPE HORIZONTAL TOLERANCE: WITHIN 0.50 FEET OF ALIGNMENT B. STORM PIPE VERTICAL TOLERANCE: ZERO PLUS AND 0.08 FEET MINUS ELEVATION SHOWN WITH NO INTERMEDIATE HIGH POINTS, LEVEL SECTION, OR REVERSE INVERT SLOPE.
- C. STORM PIPE JOINT DEFLECTION TOLERANCE: NO MORE THAN 75% OF MAXIMUM ALLOWABLE, AS RECOMMENDED BY MANUFACTURERS OF PIPE AND JOINT MATERIAL
- D. STORM STRUCTURE RIM ELEVATION TOLERANCE: ZERO PLUS AND 0.08 FEET MINUS ELEVATION SHOWN

TEST REPORTS REQUIRED

- 1. SEE GENERAL NOTES FOR ADDITIONAL PROJECT AND SITE INFORMATION.
- 2. COPIES OF COMPACTION/MOISTURE, CONCRETE, AND OTHER TEST RESULTS ARE TO BE SENT TO THE OWNER
- DIRECTLY FROM THE INDEPENDENT TESTING LABORATORY 3. ONSITE/INPLACE GEOTECHNICAL/CONCRETE TESTING MUST BE COMPLETED BY THE CONTRACTOR'S INDEPENDENT TESTING LABORATORY. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL REQUIRED IN-PLACE TESTS AND
- INSPECTIONS WITH THE ENGINEER/INDEPENDENT TESTING LABORATORY. 4. TEST REPORTS REQUIRED MAY INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO: DENSITY TESTS OF SOIL AND PAVEMENT COMPACTION, CONCRETE COMPRESSION, AIR, AND SLUMP TESTS, BACTERIOLOGICAL TESTS OF WATER SYSTEM, MANDREL TESTS OF SANITARY AND STORM SYSTEM, PRESSURE/LEAK TESTS OF WATER/SANITARY/STORM SYSTEM, AND OTHER TESTING REQUIRED BY AGENCY/MUNICIPALITY HAVING
- 5. RE-WORK/RE-TESTING DUE TO FIELD TEST FAILURE ARE AT NO ADDITIONAL COST TO THE OWNER.

REMOVAL / DEMOLITION NOTES

- 1. SEE GENERAL NOTES FOR ADDITIONAL PROJECT AND SITE INFORMATION.
- CONTRACTOR SHALL OBTAIN PERMITS REQUIRED FOR DEMOLITION, REMOVAL AND DISPOSAL. CONTRACTOR SHALL REVIEW FEATURES NOT SPECIFICALLY IDENTIFIED ON PLAN FOR SALVAGE OR REMOVAL THAT CONFLICT WITH CONSTRUCTION WITH THE ENGINEER.
- 4. MATERIALS REMOVED/DEMOLISHED BY CONTRACTOR BECOME PROPERTY OF THE CONTRACTOR, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL LOAD AND HAUL MATERIAL OFF-SITE AND PROPERLY DISPOSE OF MATERIALS IN ACCORDANCE WITH APPLICABLE REGULATIONS. CONTRACTOR MUST LEAVE THE SITE IN A
- CONDITION TO THE SATISFACTION OF THE OWNER AND ENGINEER. CONTRACTOR SHALL SAWCUT FULL DEPTH AT PAVEMENT REMOVAL LIMITS AND AS NECESSARY TO CREATE A
- SMOOTH FIT/TRANSITION ALONG MATCHING PAVEMENT AREAS.
- CONTRACTOR SHALL COORDINATE UTILITY REMOVAL WORK WITH APPROPRIATE UTILITY OWNER. 7. CONTRACTOR SHALL SALVAGE AND REINSTALL STREET AND TRAFFIC SIGNS IN CONFLICT WITH CONSTRUCTION ACTIVITIES AS NOTED OR AS DIRECTED BY ENGINEER. IF SIGNS ARE DAMAGED DURING CONSTRUCTION, CONTRACTOR REQUIRED TO PROVIDE NEW SIGNS AT NO ADDITIONAL COST TO THE OWNER.
- 8. CONTRACTOR SHALL SALVAGE AND REINSTALL FENCE IN CONFLICT WITH CONSTRUCTION ACTIVITIES AS NOTED OR AS DIRECTED BY ENGINEER. IF FENCE IS DAMAGED DURING CONSTRUCTION, CONTRACTOR REQUIRED TO PROVIDE NEW FENCE, TO OWNER'S SATISFACTION, AT NO ADDITIONAL COST TO THE OWNER.
- 9. IN THE EVENT THAT UNKNOWN CONTAINERS OR TANKS ARE ENCOUNTERED, THE CONTRACTOR MUST CONTACT THE ENGINEER IMMEDIATELY. ALL CONTAINERS OR TANKS MUST BE DISPOSED OF PROPERLY AT A REGULATED/PERMITTED FACILITY.
- 10. UNLESS OTHERWISE NOTED, CONTRACTOR IS RESPONSIBLE FOR REMOVAL/DEMOLITION WITHIN ALL AREAS OF PROPOSED IMPROVEMENTS. REMOVAL LIMITS ARE IDENTIFIED ON THE DRAWINGS IN ANTICIPATED LOCATIONS. CONTRACTOR RESPONSIBLE FOR REMOVALS AS NECESSARY TO CONSTRUCT NEW IMPROVEMENTS AND CONFORM TO DESIGN REQUIREMENTS. ALL FACILITIES TO BE REMOVED MUST BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE FILL MATERIAL IN ACCORDANCE WITH THE SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER

TRAFFIC CONTROL NOTES

- SEE GENERAL NOTES FOR ADDITIONAL PROJECT AND SITE INFORMATION.
- 2. CONTRACTOR SHALL COORDINATE CONSTRUCTION STAGING, ON OR OFFSITE, AS NECESSARY TO COMPLETE THE WORK. IF OFFSITE STAGING AREA IS REQUIRED, CONTRACTOR IS RESPONSIBLE TO FIND, OBTAIN, AND PAY FOR NECESSARY STAGING AREA AT NO ADDITIONAL COST TO THE OWNER. SUBMIT A STAGING PLAN TO THE ENGINEER FOR REVIEW BEFORE STARTING WORK.
- CONTRACTOR RESPONSIBLE FOR ALL TRAFFIC CONTROL . TRAFFIC CONTROL MUST BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE'S MUTCD, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS. SUBMIT TRAFFIC CONTROL PLAN TO CITY OF ALBUQUERQUE, BERNALILLO COUNTY, AND NMDOT AND ENGINEER FOR REVIEW BEFORE CONSTRUCTION RELATED ACTIVITIES. PLANS MUST COMPLY WITH APPLICABLE PERMIT REQUIREMENTS. TRAFFIC CONTROL ALSO INCLUDES NECESSARY SIGNAGE AND MARKINGS FOR SIDEWALKS, TRAILS, BOARDWALKS, ETC. CLOSURE. THIS MUST INCLUDE ADVANCED WARNING SIGNS AND NECESSARY FENCING AND SIGNAGE TO PREVENT PEDESTRIANS FROM ACCESSING THE PROPOSED
- CONTRACTOR MUST SCHEDULE WORK IMPACTING DAYTONA ROAD NW WITH THE OWNER, CITY OF ALBUQUERQUE AND ENGINEER. CLOSURES OR DETOURS MUST BE ACCEPTED BY OWNER, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, AND NMDOT PRIOR TO STARTING WORK.
- CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC ON DAYTONA ROAD NW AT ALL TIMES EXCEPT AT UNCONSTRUCTED SECTIONS, UNLESS OTHERWISE APPROVED BY THE ROAD AUTHORITY. CONTRACTOR MUST SCHEDULE WORK IMPACTING DAYTONA ROAD NW WITH THE OWNER, CITY OF ALBUQUERQUE, BERNALILLO COUNTY, AND NMDOT AND ENGINEER. CLOSURES OR DETOURS MUST BE ACCEPTED BY OWNER AND CITY OF ALBUQUERQUE PRIOR TO STARTING WORK.

PAVING, PAVEMENT MARKING, AND SIGNAGE NOTES

- SEE GENERAL NOTES FOR ADDITIONAL PROJECT AND SITE INFORMATION. 2. CONTRACTOR SHALL MAINTAIN STREET AND TRAFFIC SIGNS AT ALL TIMES DURING CONSTRUCTION.
- STATE'S MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND THE APPLICABLE ROAD AUTHORITY 4. THE PAVEMENT SURFACE SHALL BE CLEANED AT THE DIRECTION OF THE APPLICABLE ROAD AUTHORITY AND THE ENGINEER JUST PRIOR TO APPLICATION OF PAVEMENT MARKINGS. PAVEMENT CLEANING SHALL CONSIST OF AT

SIGNS, PAVEMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES MUST BE IN ACCORDANCE WITH THE

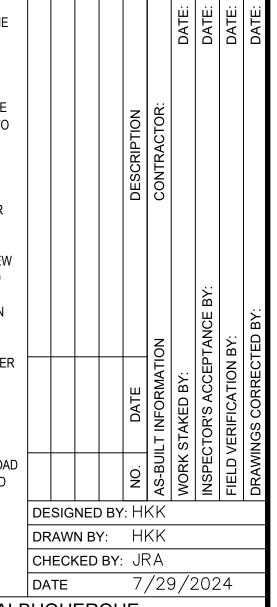
- LEAST BRUSHING WITH A ROTARY BROOM (NON-METALLIC) OR AS RECOMMENDED BY THE MATERIALS MANUFACTURER AND ACCEPTABLE TO THE APPLICABLE ROAD AUTHORITY AND THE ENGINEER.
- 5. THE PAVEMENT MARKING APPLICATION SHALL IMMEDIATELY FOLLOW THE PAVEMENT CLEANING. PAVEMENT MARKING EDGE LINES ARE TO BE BROKEN ONLY AT INTERSECTION WITH PUBLIC ROADS AND PRIVATE ENTRANCES IF THEY ARE CONTROLLED BY A YIELD SIGN, STOP SIGN OR TRAFFIC SIGNAL. THE BREAK POINT IS TO BE AT THE START OF THE RADIUS FOR THE INTERSECTION OR AT MARKED STOP LINES.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PAVEMENT MARKING RELATED ACTIVITIES, SUCH AS, BUT NOT LIMITED TO, COLLECTING DATA FROM IN PLACE LANE LINES, MARKING PERMANENT MARKING ALIGNMENTS, NECESSARY 'SPOTTING' AT APPROPRIATE POINTS AND TO DETERMINE NECESSARY STARTING AND CUTOFF POINTS. EXACT LOCATION OF PAVEMENT MARKINGS TO BE FIELD LOCATED BY THE CONTRACTOR. CONTRACTOR TO COORDINATE WITH ROAD AUTHORITY AS NECESSARY FOR PAVEMENT MARKINGS IN THE ROW.
- CONSTRUCTION, CUT VERTICALLY TO THE BOTTOM OF THE INPLACE SURFACING OR TO THE BOTTOM OF THE NEW SURFACING DESIGN, WHICHEVER IS DEEPER, THEN AT A 1V:20H TAPER TO THE BOTTOM OF THE RECOMMENDED SUBGRADE EXCAVATION. 9. THE CONTRACTOR SHALL HAVE A MINIMUM OF 2 PEOPLE WITH CURRENT ACI CONCRETE FLATWORK TECHNICIAN

WHERE CONNECTING TO INPLACE ROADWAYS/PAVEMENT SECTIONS AT THE TERMINI OF PROPOSED NEW

10. PROTECT CONCRETE PAVING FROM DAMAGE. EXCLUDE TRAFFIC FROM PAVING FOR A MINIMUM OF 14 DAYS AFTER PLACEMENT. WHEN CONSTRUCTION TRAFFIC IS PERMITTED, MAINTAIN PAVING AS CLEAN AS POSSIBLE BY REMOVING SURFACE STAINS AND SPILLAGE OF MATERIALS AS THEY OCCUR. MAINTAIN CONCRETE FREE OF STAINS, DISCOLORATION, DIRT, AND OTHER FOREIGN MATERIALS. SWEEP PAVING NOT MORE THAN TWO DAYS BEFORE DATE SCHEDULED FOR SUBSTANTIAL COMPLETION INSPECTIONS. REPAIR OR REPLACE

OR FLATWORK FINISHER CERTIFICATION, AND AT LEAST ONE OF THEM MUST BE ONSITE FOR ALL CONCRETE

STAINED/DISCOLORED CONCRETE TO THE SATISFACTION OF THE OWNER AT NO COST TO THE OWNER. 11. CONSTRUCTION AND MATERIALS WITHIN PUBLIC RIGHT-OF-WAY MUST BE IN ACCORDANCE WITH APPLICABLE ROAD AUTHORITY'S SPECIFICATIONS AND STANDARDS. DOT SPECIFICATIONS AND STANDARDS APPLY IF NOT COVERED BY LOCAL OR COUNTY REGULATIONS. PAVING, PAVEMENT MARKINGS, AND SIGNAGE.



CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION

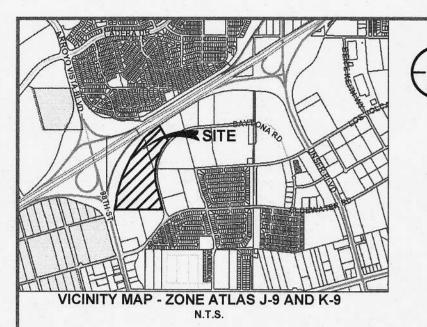
WESTPOINTE DATA CENTER

GENERAL NOTES

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL | ZONE MAP NO. J-09-Z & K-09-ZCITY PROJECT NO. 655779

SHEET NO. TO 16

WEEN M. MEX! 16240) 07/29/2024/ SSIONAL Y





PROJECTED SECTIONS 16 AND 21, TOWNSHIP 10 NORTH, RANGE 2 EAST, N.M.P.M. TOWN OF ATRISCO GRANT SUBDIVISION: AVALON SUBDIVISION OWNER: 9TH AND 1-40 LAND LLC.

PURPOSE OF PLAT:

SUBDIVISION DATA:

NUMBER OF EXISTING TRACTS...

NUMBER OF TRACTS CREATED ..

MILES OF FULL-WIDTH STREETS.. MILES OF HALF-WIDTH STREETS ..

LEGAL DESCRIPTION:

2014, IN PLAT BOOD 2014C, PAGE 46.

JULY 22, 2021, IN PLAT BOOK 2021C, PAGE 82.

GROSS ACREAGE...

PARCEL 1:

PARCEL 2:

AND

ZONE ATLAS PAGE NO. .

UPC#: 100905710441420301 & 100905814301230101

1) SUBDIVIDE(LOT LINE ADJUSTMENT) AS SHOWN HEREON.

RIGHT-OF-WAY DEDICAITON TO THE CITY OF ALBUQUERQUE...... ACRES

TREASURER'S CERTIFCATE:

THIS IS TO CERTIFY THAT THE TAXES ARE CURRENT AND PAID ON UPC # 100905710441420301 & 100905814301230101

PROPERTY OWNER OF RECORD: 98TH AND 1-40 LAND LLC

BERNALILLO COUNTY TREASURER'S OFFICE

DOCUMENTS:

- 1) TITLE COMMITMENT PROVIDED BY FIRST AMERICAN TITLE INSURANCE COMPANY, HAVING COMMITMENT NUMBER: 2850499, ISSUED JANUARY 04, 2024 AT 8:00 A.M.
- PLAT OF RECORD FOR AVALON SUBDIVISION, UNIT 5, FILED MAY 22, 2014 IN PLAT BOOK 2014C, PAGE 48 AND ON JULY 22, 2021, IN PLAT BOOK 2021C, PAGE 82.

NOTES:

- 1) FIELD SURVEY PERFORMED IN JANUARY 2024.
- 2) ALL DISTANCES ARE GROUND DISTANCES: U.S. SURVEY FOOT
- 3) THE BASIS OF BEARINGS REFERENCES NEW MEXICO STATE PLANE COORDINATES (NADB3-CENTRAL ZONE).DISTANCES SHOWN HERON ARE GROUND. TO OBTAIN GRID DISTANCES, MULTIPLY BY THE SITE-SPECIFIC COMBINATION FACTOR OF 0.9996769180157034.

DETERMINATIONS:

1) THE DHO APPROVED THE DETERMINATION TO MAINTAIN THE EXISTING RIGHT-OF-WAY AT 60 FEET ON 4/24/2024

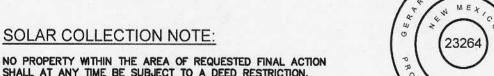
SURVEYOR'S CERTIFICATE:

I, GERARDO TORRES, A REGISTERED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT AND DESCRIPTION WERE PREPARED BY ME OR UNDER MY SUPERVISION, SHOWS ALL EASEMENTS AS SHOWN ON THE PLAT OF RECORDED OR MADE KNOWN TO ME BY THE OWNERS AND/OR PROPRIETORS OF THE SUBDIVISION SHOWN HEREON, THE UTILITY COMPANIES OR OTHER INTERESTED PARTIES AND MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION AND SURVEY S FOR THE CITY ALBUQUERQUE AND FURTHER MEETS THE MINIMUM STANDARDS FOR LAND SURVEYING IN THE STATE OF NEW MEXICO AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

GERARDO M. TORRES, NMPLS PROFESSIONAL LAND SURVEYOR NEW MEXICO P.L.S. NO. 23264 04/30/2024



NO PROPERTY WITHIN THE AREA OF REQUESTED FINAL ACTION SHALL AT ANY TIME BE SUBJECT TO A DEED RESTRICTION, COVENANT, OR BUILDING AGREEMENT PROHIBITING SOLAR COLLECTORS FROM BEING INSTALLED ON BUILDINGS OR ERECTED ON THE LOTS OR PARCELS WITHIN THE AREA OF PROPOSED PLAT, THE FOREGOING REQUIREMENT SHALL BE A CONDITION TO APPROVAL OF THIS PLAT



FREE CONSENT

THE SUBDIVISION SHOWN AND DESCRIBED HEREON IS WITH THE FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED OWNER(S) THEREOF. EXISTING AND/OR GRANTED PUBLIC UTILITY EASEMENTS (P.U.E.) AS SHOWN HEREON, UNLESS NOTED OTHERWISE, ARE FOR THE COMMON AND JOINT USE OF GAS. ELECTRICAL POWER AND COMMUNICATION SERVICES FOR BURIED AND/OR OVERHEAD DISTRIBUTION LINES, CONDUIT AND PIPES FOR UNDERGROUND UTILITIES. SAID UTILITY COMPANIES HAVE THE RIGHT OF INGRESS/EGRESS FOR CONSTRUCTION OF, MAINTENANCE OF AND REPLACEMENT OF SAID UTILITIES INCLUDING THE RIGHT TO TRIM INTERFERING TREES AND SHRUBS WITHIN SAID P.U.E., SAID OWNERS CERTIFY THAT THIS SUBDIVISION IS THEIR FREE ACT AND DEED.

TRACT NUMBERED ONE (1) OF AVALON SUBDIVISION, UNIT 5, AS THE SAME IS SHOWN AND DESIGNATED ON SAID

PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON MAY 22,

TRACT NUMBERED TWO-A (2-A) OF AVALON SUBDIVISION, UNIT 5, AS THE SAME IS SHOWN AND DESIGNATED ON

SAID PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON

.40.698 ACRES

..J-9 AND K-9

98TH & I-40 LAND LLC.

BY: TITAN PROPERTY MANAGEMENT, LLC, ITS MANAGER,

BEN F. SPENCER, MANAGER

5-13.29

STATE OF NEW MEXICO

COUNTY OF Bernalillo

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON May 13

BY ______, BEN F. SPENCER, MANAGER OF TITAN PROPERTY MANAGEMENT, LLC, AS

MANAGER OF 98TH & I-40 LAND LLC, ON BEHALF OF THE COMPANY.

NOTARY PUBLIC MY COMMISSION EXPIRES



REPLAT OF TRACT 2A AND TRACT 1 OF THE AVALON SUBDIVISION UNIT 5 BEING COMPRISED OF TRACT 2A OF THE "PLAT FOR TRACT 2-A AND 2-B AVALON UNIT 5" AND TRACT 1 OF THE "PLAT OF TRACTS 1 THROUGH 12 AVALON UNIT 5"

APRIL 2024

PR-2020-004747 PROJECT NUMBER: APPLICATION NUMBER: SD-2024-0081 - PRELIMINARY / FINAL PLAT APPROVALS: UTILITY APPROVALS: Daniel Aragon 05/08/2024 PNM ELECTRIC SERVICES 6 DATE 5/6/2024 DATE DATE 05/06/2024 COMCAST DATE

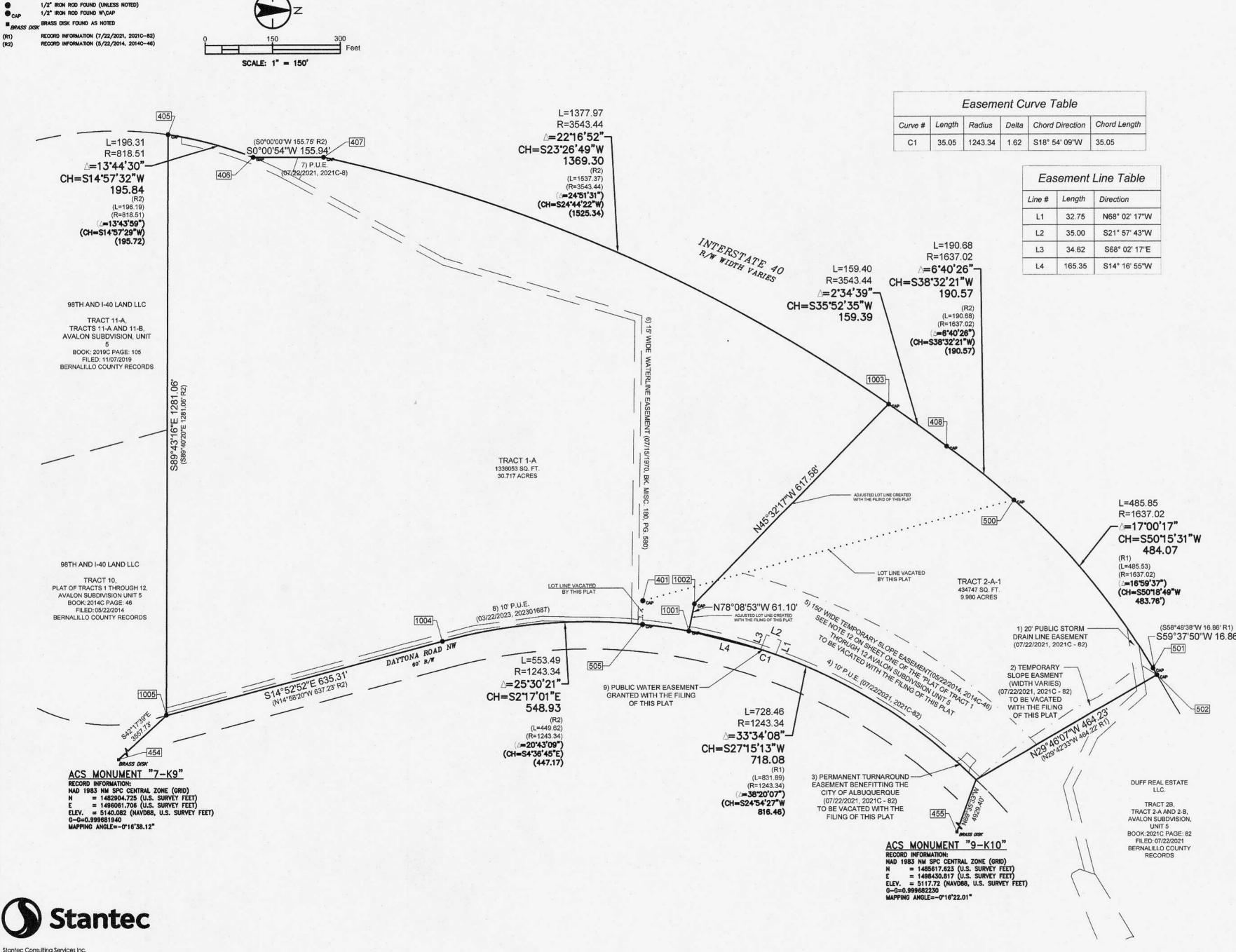
CITY APPROVALS:

CITY ENGINEER

DHO APPROVAL GRANTED ON 4/24/2024, VERIFICATION OF COMPLIANCE WITH CONDITIONS OF APPROVAL BY THE REQUIRED COMMENTING AGENCIES PROVIDED BELOW

Loren N. Risenhoover P.S. 5/1/2024 CITY SURVEYOR DATE May 30, 2024 Ernest armyo TRAFFIC ENGINEERING, TRANSPORTATION DIVISION DATE Jun 14, 2024 **ABCWUA** DATE Widing Below May 30, 2024 PARKS AND RECREATION DEPARTMENT DATE 5/6/2024 DATE May 30, 2024 HYDROLOGY DATE May 30, 2024 Jeff Pall con May 30, 2024 1 CODE ENFORCEMENT DATE May 30, 2024 Jay Rodenbeck PLANNING DEPARTMENT DATE Jun 24, 2024 Shahab Biagar

Stantec Consulting Services Inc. 3831 E. LOHMAN AVE., SUITE 200 LAS CRUCES, NEW MEXICO 88011 Tel: (575) 524-2007 www.stantec.com The Confroctor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any error or amissions shall be reported to Stantec without delay. The Copyright is to all designs and drawing are the properly of Stantec. Replactuation or use for any purpose other than that authorized by Stantec is fartilitidien. DATE



REPLAT OF TRACT 2A AND TRACT 1 OF THE AVALON SUBDIVISION UNIT 5
BEING COMPRISED OF TRACT 2A OF THE "PLAT FOR TRACT 2-A AND 2-B AVALON UNIT 5" AND TRACT 1 OF THE "PLAT OF TRACTS 1 THROUGH 12 AVALON UNIT 5" APRIL 2024

FOUND MONUMENTS

- FOUND YELLOW PLASTIC CAPPED 1 IRON REBAR (PS#:10464)
 FOUND YELLOW PLASTIC CAPPED 1 IRON REBAR (PS#:10464)
 FOUND YELLOW PLASTIC CAPPED 1 IRON REBAR (PS#:10464)
- FOUND YELLOW PLASTIC CAPPED ½" IRON REBAR (PS#:10464)

 FOUND YELLOW PLASTIC CAPPED ½" IRON REBAR (PS#:10464)
- 454 FOUND CITY OF ALBUQUERQUE SURVEY CONTROL MARKER BRASS CAP (7-K9)
- 455 FOUND CITY OF ALBUQUERQUE SURVEY CONTROL MARKER BRASS CAP (9-K10)
- 500 FOUND YELLOW PLASTIC CAPPED 1 IRON REBAR (PS#:10464)
- FOUND YELLOW PLASTIC CAPPED 1 IRON REBAR (PS#: 10464)
- 502 FOUND YELLOW PLASTIC CAPPED 2" IRON REBAR (PS#:18374)
- FOUND YELLOW PLASTIC CAPPED 1 IRON REBAR (PS#:10464)
- FOUND PAINTED "X" ON CONCRETE

 505 FOUND YELLOW PLASTIC CAPPED ½" IRON REBAR (PS#:ILLEGIBLE)
- 1001-1005 SET YELLOW PLASTIC CAPPED 1 IRON REBAR (PS#: 23264)

EASEMENT NOTES

- 1 EXISTING 20' PUBLIC DRAIN LINE EASEMENT AS SHOWN AS SHOWN AND DESCRIBED IN PLAT 2021C-82, 07/22/2021
- EXISTING TEMPORARY SLOPE EASEMENT (UNTIL TRACT 2 IS DEVELOPED) AS SHOWN AND DESCRIBED IN PLAT 2021-82, 07/22/2021; TO BE VACATED BY THIS PLAT
- 3 EXISTING PERMANENT TURNAROUND EASEMENT BENEFITING THE CITY OF ALBUQUERQUE AS SHOWN AND DESCRIBED IN PLAT 2021–82, 07/22/2021; TO BE VACATED BY THIS PLAT
- EXISTING 10' P.U.E. AS SHOWN AND DESCRIBED IN PLAT 2021-82, 07/22/2021
- EXISTING 150' TEMPORARY SLOPE EASEMENT AS SHOWN AND DESCRIBED IN PLAT 2014C-46, 05/22/2014; TO BE VACATED
- EXISTING 15' WATERLINE EASEMENT AS SHOWN AND DESCRIBED IN PLAT 2021-82, 07/22/2021 AND MISC. BOOK 180, PAGE
- EXISTING P.U.E. AS SHOWN AND DESCRIBED IN PLAT 2003C-129, 05/08/2003
- 8 EXISTING P.U.E. AS SHOWN AND DESCRIBED IN RECORD INSTRUMENT # 202306187, 03/22/2023, FOLLOWING THE
- CENTERLINE OF EXISTING UNDERGROUND ELECTRIC LINE
 9 P.U.E. GRANTED WITH THE FILING OF THIS PLAT

PUBLIC UTILITY EASEMENTS

<u>PUBLIC UTILITY EASEMENTS</u> shown on this plat are granted for the common and joint use of:

(S58°48'38"W 16.86' R1)
-S59°37'50"W 16.86'

— 501

A. Public Service Company of New Mexico (PNM"), a New Mexico corporation, (PNM Electric) for installation, maintenance, and service of overhead and underground electrical lines, transformers, and other equipment and related facilities reasonably necessary to

B. New Mexico Gas Company for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas services.

C. Qwest Corporation d/b/a Century ink QC for the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide communication services.

D.Cable TV for the Installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide Cable services.

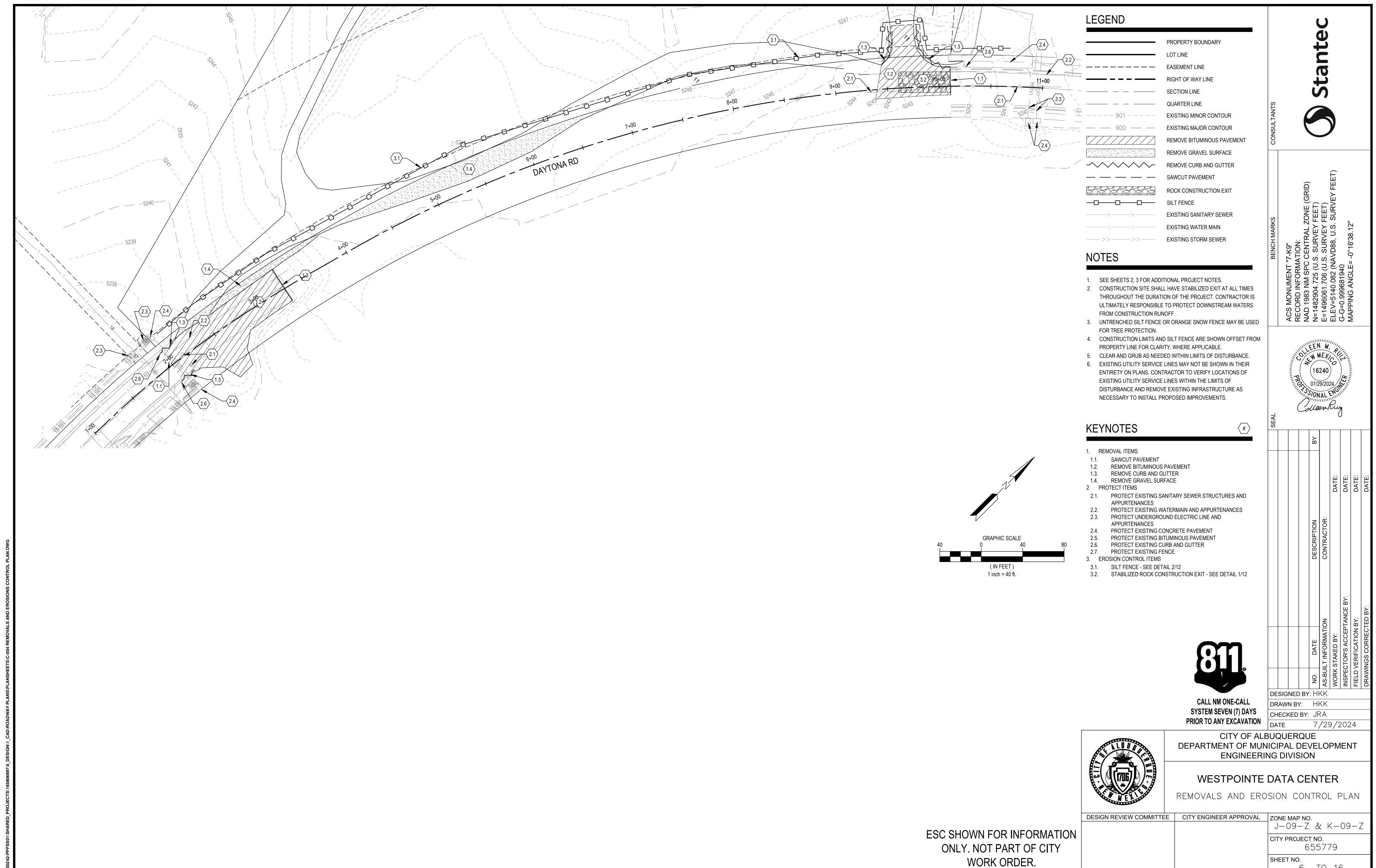
included, is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, replace, modify, renew, operate and maintain facilities for purposes described above, together with free access to, from, and over said easements, with the right and privilege of going upon, over and across adjoining lands of Grantor for the purposes set forth herein and with the right to utilize the right of way and easement to extend services to customers of Grantee, including sufficient working area space for electric transformers, with the right and privilege to trim and remove trees, shrubs or bushes which interfere with the purposes set forth herein. No building, sign, pool (aboveground or subsurface), hot tub, concrete or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or operated thereon. Property owners shall be solely responsible for correcting any violations of National Electrical Safety Code by construction of pools, decking, or any structures adjacent to or near easements shown on

Easements for electric transformer/switchgears, as installed, shall extend ten (10) feet in front of transformer/switchgear doors and five (5) feet on each side.

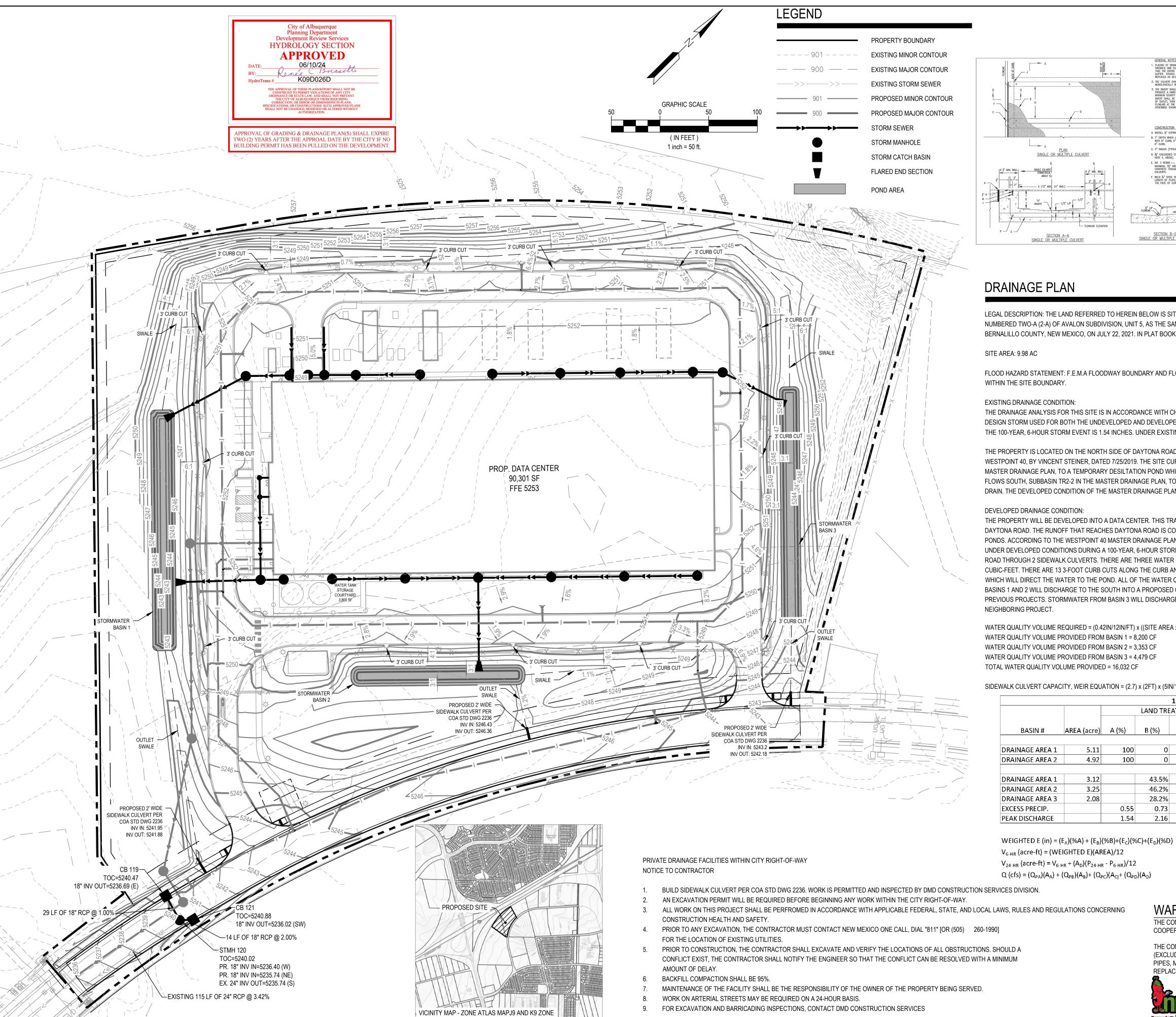
<u>Disclaimer</u>

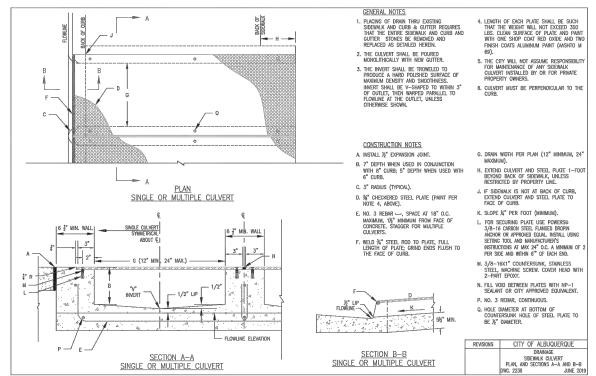
In approving this plat, Public Service Company of New Mexico (PNM), New Mexico Gas Company (NMGC) and Qwest Corporation d/b/a CenturyLink (QWEST) did not conduct a Title Search of the properties shown hereon. Consequently, PNM, NMGC and QWEST do not waive or release any easement or easement rights which may have been granted by prior plat, replat or other document and which are not shown on this plat.

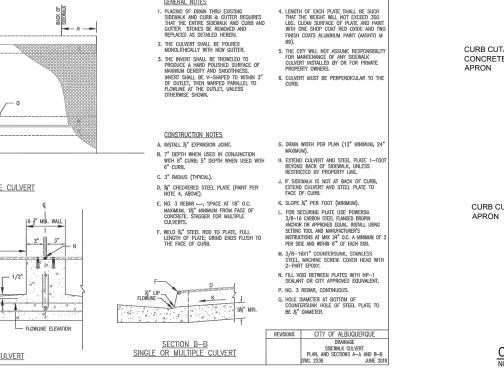
LEGEND

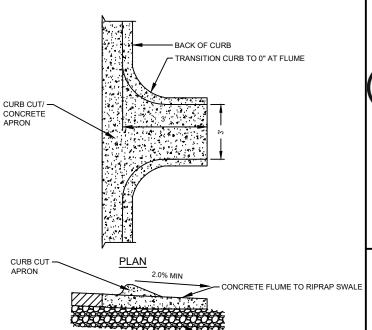


6 TO 16









- 6" CRUSHED AGGREGATE



) Stantec



CONCRETE CURB CUT

DRAINAGE PLAN

LEGAL DESCRIPTION: THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF BERNALILLO, STATE OF NEW MEXICO, AND IS DESCRIBED AS FOLLOWS: TRACT NUMBERED TWO-A (2-A) OF AVALON SUBDIVISION, UNIT 5, AS THE SAME IS SHOWN AND DESIGNATED ON SAID PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO, ON JULY 22, 2021. IN PLAT BOOK 2021C, PAGE 82.

FLOOD HAZARD STATEMENT: F.E.M.A FLOODWAY BOUNDARY AND FLOODWAY MAPS DATE NOVEMBER 14, 2016 (PANEL NO. 35001C0326J) INDICATES NO FLOOD HAZARD ZONES WITHIN THE SITE BOUNDARY.

EXISTING DRAINAGE CONDITION:

THE DRAINAGE ANALYSIS FOR THIS SITE IS IN ACCORDANCE WITH CHAPTER 6, ARTICLE 6-2, SECTION 6-2(A), ENTITLED "PROCEDURE FOR 40-ACRE AND SMALLER BASINS." THE DESIGN STORM USED FOR BOTH THE UNDEVELOPED AND DEVELOPED CONDITIONS IS THE 100-YEAR, 6-HOUR STORM EVENT FOR RUNOFF. THE SITE IS LOCATED IN ZONE 1 SO THE 100-YEAR, 6-HOUR STORM EVENT IS 1.54 INCHES. UNDER EXISTING CONDITIONS, THE PROPERTY IS UNDEVELOPED.

THE PROPERTY IS LOCATED ON THE NORTH SIDE OF DAYTONA ROAD. THE TRACT IS CURRENTLY VACANT. THE SITE IS PART OF THE EXISTING DRAINAGE MASTER PLAN, WESTPOINT 40, BY VINCENT STEINER, DATED 7/25/2019. THE SITE CURRENTLY DRAINS TO TWO LOCATIONS, A PORTION OF THE SITE FLOWS NORTH, SUBBASIN TR2-1 IN THE MASTER DRAINAGE PLAN, TO A TEMPORARY DESILTATION POND WHICH EVENTUALLY ENTERS THE EXISTING STORM DRAIN IN DAYTONA ROAD. THE REMAINDER OF THE SITE FLOWS SOUTH, SUBBASIN TR2-2 IN THE MASTER DRAINAGE PLAN, TO A TEMPORARY SWALE AND ULTIMATELY DISCHARGES TO THE EXISTING LOS VOLCANOES ROAD STORM DRAIN. THE DEVELOPED CONDITION OF THE MASTER DRAINAGE PLAN ALLOWABLE DISCHARGE RATES ARE 22 CFS FROM TRACT 2 (NORTH) AND 6.2 CFS FROM TRACT 2 (SOUTH).

DEVELOPED DRAINAGE CONDITION:

THE PROPERTY WILL BE DEVELOPED INTO A DATA CENTER. THIS TRACT IS PART OF THE WESTPOINT 40 MASTER DRAINAGE PLAN. RUNOFF FROM THIS TRACT DRAINS INTO DAYTONA ROAD. THE RUNOFF THAT REACHES DAYTONA ROAD IS COLLECTED IN A STORM DRAIN SYSTEM AND EVENTUALLY DISCHARGES TO THE EAST AND SOUTH EXISTING PONDS. ACCORDING TO THE WESTPOINT 40 MASTER DRAINAGE PLAN, THE TRACT IS ALLOWED A PEAK DISCHARGE RATE OF 28.2 CFS. THE PEAK DISCHARGE FROM THE SITE UNDER DEVELOPED CONDITIONS DURING A 100-YEAR, 6-HOUR STORM IS 13.0 CFS, WHICH IS LESS THAN THE 28.2 CFS ALLOWED. RUNOFF FROM THE SITE WILL ENTER DAYTONA ROAD THROUGH 2 SIDEWALK CULVERTS. THERE ARE THREE WATER QUALITY PONDS THAT ARE LOCATED ON SITE WITH A TOTAL WATER QUALITY VOLUME OF 16,032 CUBIC-FEET. THERE ARE 13 3-FOOT CURB CUTS ALONG THE CURB AND GUTTER FOR THE ENTIRE RING ROAD OF THE SITE WHICH ALLOW RUNOFF TO DRAIN INTO A SWALE WHICH WILL DIRECT THE WATER TO THE POND. ALL OF THE WATER QUALITY PONDS WILL DISCHARGE TO DAYTONA THROUGH A SIDEWALK CULVERT. THE STORMWATER FROM BASINS 1 AND 2 WILL DISCHARGE TO THE SOUTH INTO A PROPOSED CATCH BASIN, WHICH WILL THEN CONNECT TO THE STORMWATER STUB THAT WAS PROVIDED FROM PREVIOUS PROJECTS. STORMWATER FROM BASIN 3 WILL DISCHARGE INTO DAYTONA ROAD AND FLOW WITHIN THE GUTTER UNTIL IT REACHES THE INLET PROVIDED FROM THE

WATER QUALITY VOLUME REQUIRED = $(0.42IN/12IN/FT) \times ((SITE AREA \times 0.717)) \times 43,560 \text{ SF/AC}) = 10,909 \text{ CF REQUIRED}.$

WATER QUALITY VOLUME PROVIDED FROM BASIN 1 = 8,200 CF

WATER QUALITY VOLUME PROVIDED FROM BASIN 2 = 3,353 CF WATER QUALITY VOLUME PROVIDED FROM BASIN 3 = 4,479 CF

TOTAL WATER QUALITY VOLUME PROVIDED = 16,032 CF

SIDEWALK CULVERT CAPACITY, WEIR EQUATION = (2.7) x (2FT) x (5IN/12IN/FT)^1.5 = 1.45 CFS

				100-YEAR	HYDROLOG	SIC CALCULATIONS	5				
	LAND TREATMENT			100-YEAR PRECIPITATION							
							V (6-hr)	V (6-hr) (cu-	V (24-hr)	V (24-hr)	
BASIN #	AREA (acre)	A (%)	B (%)	C (%)	D (%)	WEIGHTED E (in)	(acre-ft)	ft)	(acre-ft)	(cu-ft)	Q (cfs)
				EX	XISTING CO	NDITIONS					
DRAINAGE AREA 1	5.11	100	0	0	0	0.55	0.23	10,019	0.23	10,019	7.87
DRAINAGE AREA 2	4.92	100	0	0	0	0.55	0.23	10,019	0.23	10,019	7.58
				FULL DI	EVELOPME	NT CONDITIONS					
DRAINAGE AREA 1	3.12		43.5%		56.5%	1.58	0.42	18,295	0.47	20,473	10.2
DRAINAGE AREA 2	3.25		46.2%		53.8%	1.54	0.42	18,295	0.47	20,473	10.4
DRAINAGE AREA 3	2.08		28.2%		71.8%	1.81	0.31	13,504	0.46	20,038	7.4
EXCESS PRECIP.		0.55	0.73	0.95	2.24	Ei (in)			·		·
PEAK DISCHARGE		1.54	2.16	2.87	4.12	Qpi (cfs)		ZONE = 1			

ZONE = 1 P_{6-HR} (in.) = 2.17

 P_{24-HR} (in.) = 2.49

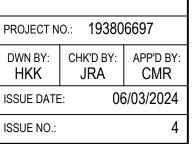
- ALL WORK ON THIS PROJECT SHALL BE PERFROMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING
- 9. FOR EXCAVATION AND BARRICADING INSPECTIONS, CONTACT DMD CONSTRUCTION SERVICES

WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT NM11 (811 OR 1-800-321-2537) AT LEAST 2 FULL BUSINESS DAYS IN ADVANCE (EXCLUDING HOLIDAYS AND WEEKENDS) FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.





SHEET TITLE: **GRADING AND DRAINAGE** PLAN

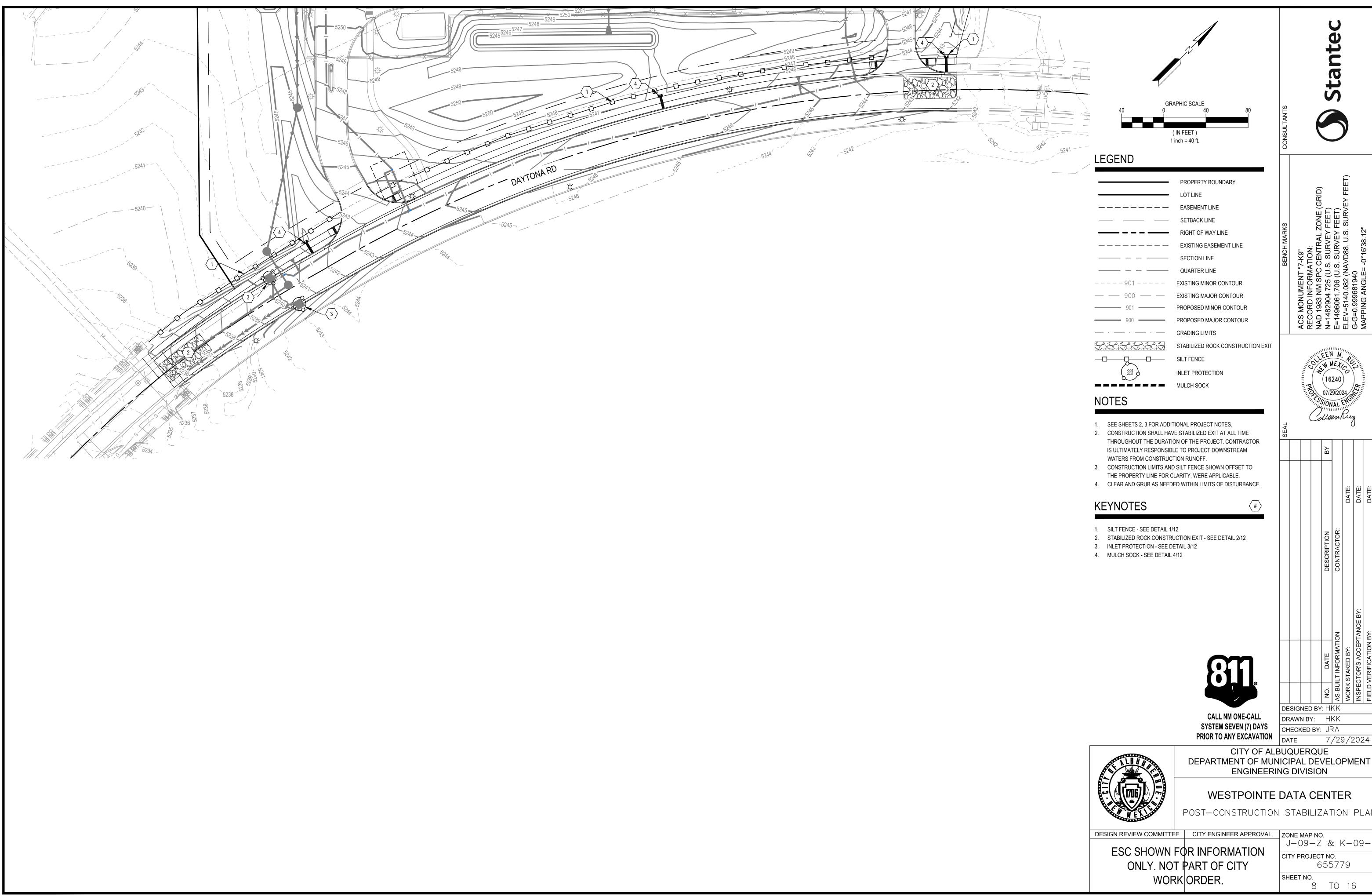
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CERTIFICATION:

SSIONALE

ColleenKung



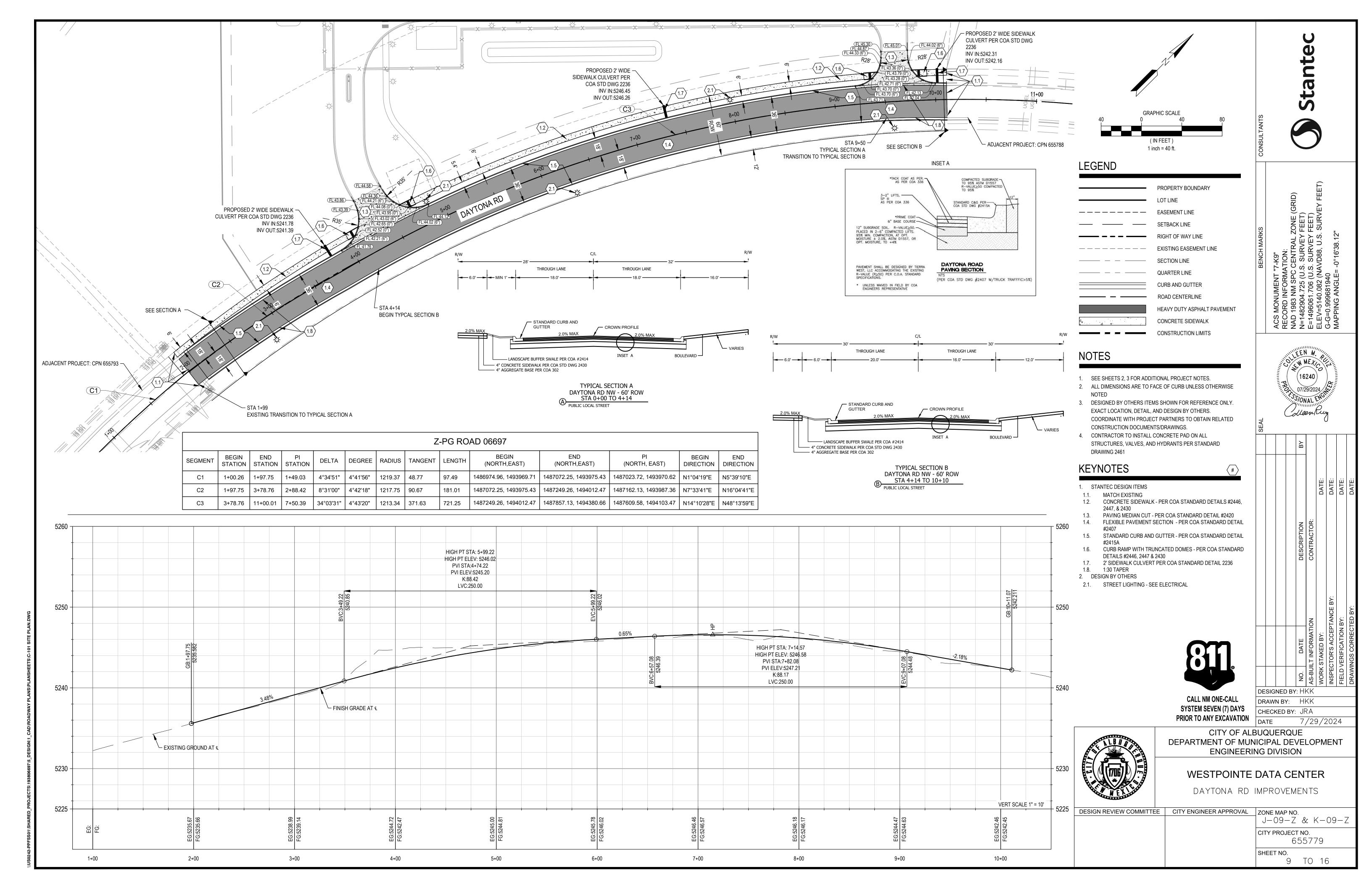
DRAWN BY: HKK

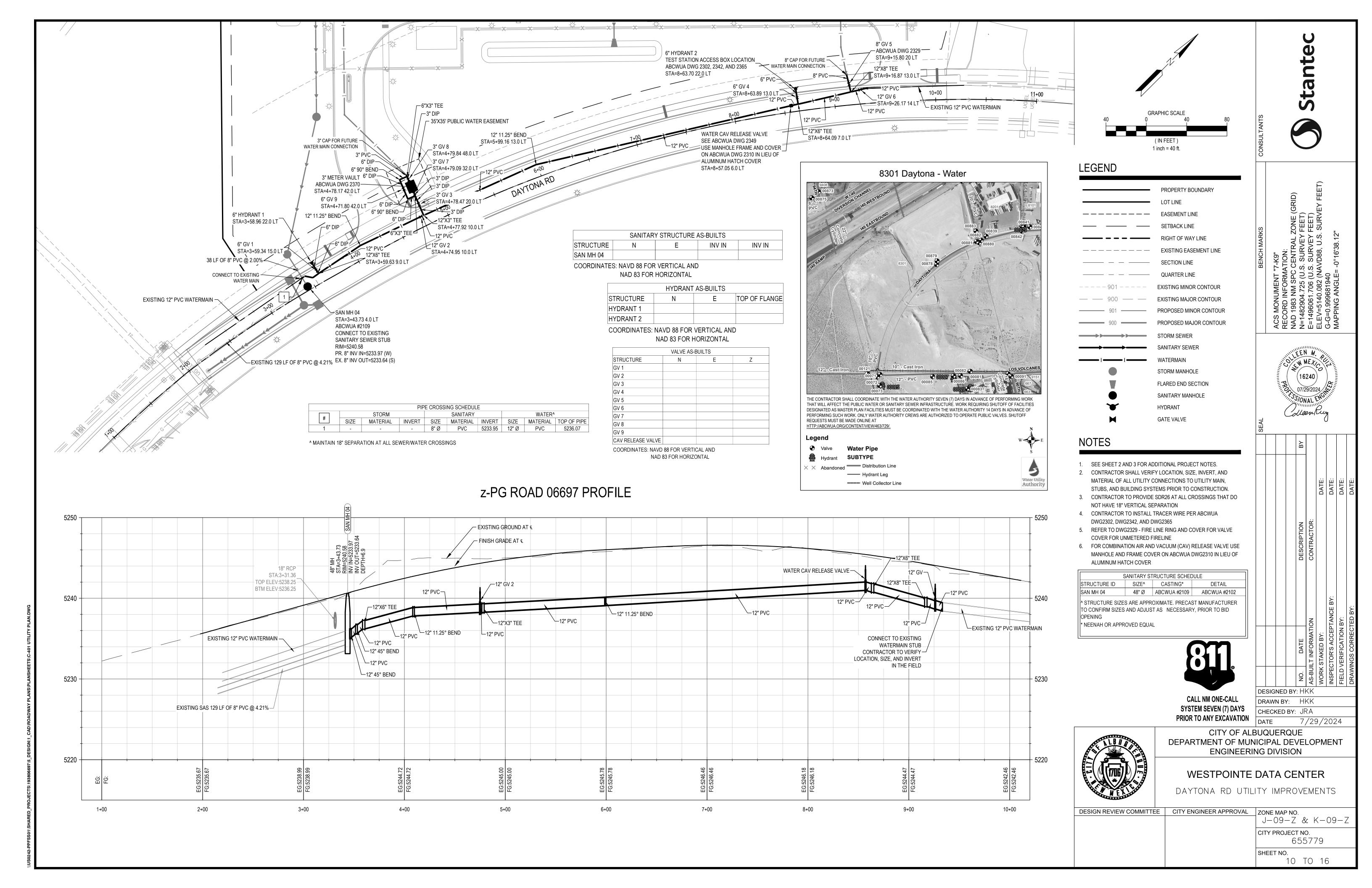
7/29/2024

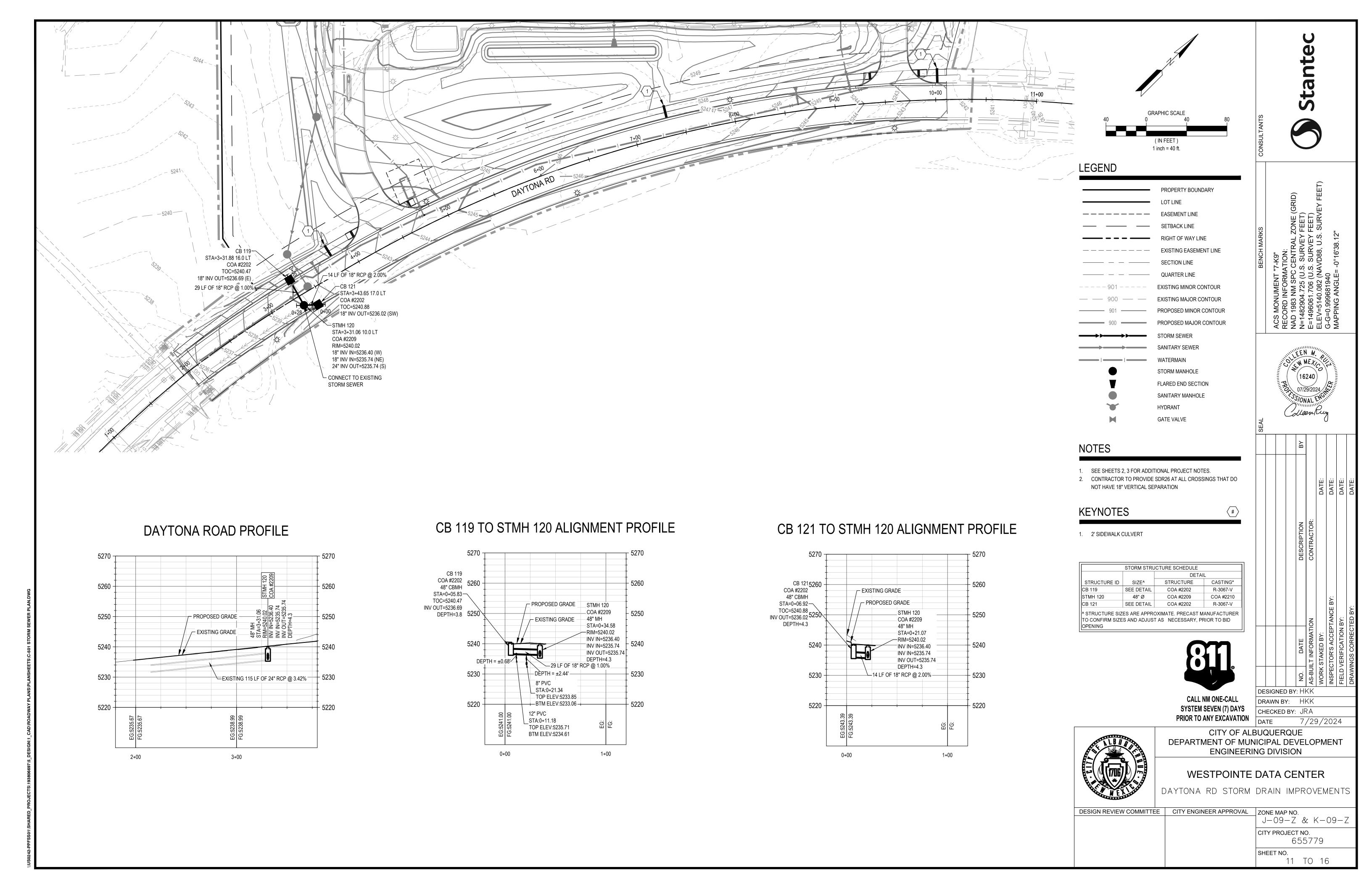
POST-CONSTRUCTION STABILIZATION PLAN

J-09-Z & K-09-Z 655779

8 TO 16







1" - 2" WASHED ROCK -18" MIN. CUT OFF BERM TO -MINIMIZE RUNOFF FROM SITE **ISOMETRIC**

1. FILTER FABRIC SHALL BE PLACED UNDER ROCK TO STOP MUD MIGRATION

- THROUGH ROCK. 2. ENTRANCE MUST BE MAINTAINED TO PREVENT SEDIMENTATION ON PUBLIC
- 3. FUGITIVE ROCKS SHALL BE REMOVED FROM ADJACENT ROADWAYS DAILY OR MORE FREQUENTLY AS NECESSARY.

\ STABILIZED ROCK CONSTRUCTION EXIT 12 NOT TO SCALE



THE FOLLOWING TABLES WERE CREATED USING EBAA IRON INC. SOFTWARE FOR RESTRAINING JOINTS WITH THESE CRITERIA:

DEPTH OF BURY: 3.0' MINIMUM SAFETY FACTOR: 1.5 TO 1

PIPE MATERIAL: PVC SOIL TYPE: GM/SM-SILTY GRAVEL/SILTY SAND, GRAVEL-SAND MIXTURES TEST PRESSURE: 150 PSI

TRENCH TYPE 3: PIPE BEDDED IN 4" MINIMUM LOOSE SOIL BACKFILL LIGHTLY CONSOLIDATED TO TOP OF PIPE

THESE LENGTHS WILL BE AFFECTED IF THE TYPE OF MATERIAL, GREATER DEPTH OF BURY, ECT. CHANGES. THESE MUST BE RECALCULATED BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

RESTRAINED JOINT LENGTHS FOR TEES*						
SIZE	LENGTH ALONG RUN**					
SIZL	10'	8'	6'	4'	2'	0'
12X12X12	61	68	76	83	90	98
12X12X10	39	48	56	65	74	83
12X12X8	15	26	37	48	59	70
12X12X6	1	1	9	24	38	53
12X12X4	1	1	1	1	16	37
10X10X10	46	54	61	68	76	83
10X10X8	25	34	43	52	61	70
10X10X6	1	5	17	29	41	53
10X10X4	1	1	1	2	20	37
8X8X8	34	42	49	56	63	70
8X8X6	6	15	25	34	43	53
8X8X4	1	1	1	10	24	37
6X6X6	7	24	31	39	46	53
6X6X4	1	1	6	17	27	37

*RESTRAINTS ONLY PLACED ON THE BRANCH **LENGTH ALONG RUN REFERS TO THE LENGTH OF PIPE ON EITHER SIDE OF THE TEE BEFORE THE NEXT JOINT.

ON LITTLI	ON EITHER OIDE OF THE FEE BEI ONE THE NEXT JOHN.							
BEN	BENDS, VALVES, AND DEAD ENDS (EACH SIDE)							
SIZE	НС	VALVES						
SIZL	90°	45°	22-1/2°	11-1/4°	DEAD END			
12	45	19	9	4	102			
10	38	16	8	4	86			
8	32	13	6	3	72			
6	25	10	5	2	55			
4	18	7	4	1	39			
			•					

	RESTRAINED JOINT LENGTHS								
	F	OR REDU	JCERS***	+					
	SIZE	SIZE L. SIDE SIZE L. SIDE							
	12X10	50	10X6	53					
	12X8	54	10X4	70					
	12X6	74	10X4	30					
	12X4	88	8X4	52					
	10X8	29	6X4	28					
STRAINTS ONLY DLACED ON LARCE SIDE									

***RESTRAINTS ONLY PLACED ON LARGE SIDE 12 NOT TO SCALE THE FOLLOWING TABLES WERE CREATED USING EBAA IRON INC. SOFTWARE FOR RESTRAINING JOINTS WITH THESE CRITERIA:

DEPTH OF BURY: 3.0' MINIMUM TO 6.0'

SAFETY FACTOR: 1.5 TO 1 PIPE MATERIAL: PVC

SOIL TYPE: GM/SM-SILTY GRAVEL/SILTY SAND, GRAVEL-SAND MIXTURES

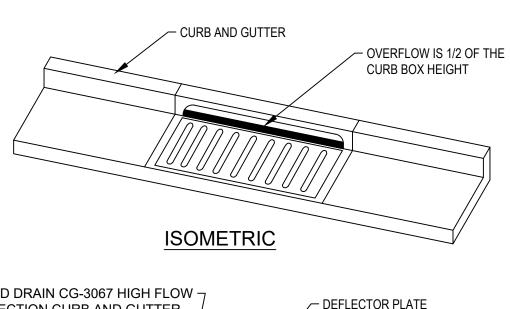
TEST PRESSURE: 150 PSI TRENCH TYPE 3: PIPE BEDDED IN 4" MINIMUM LOOSE SOIL

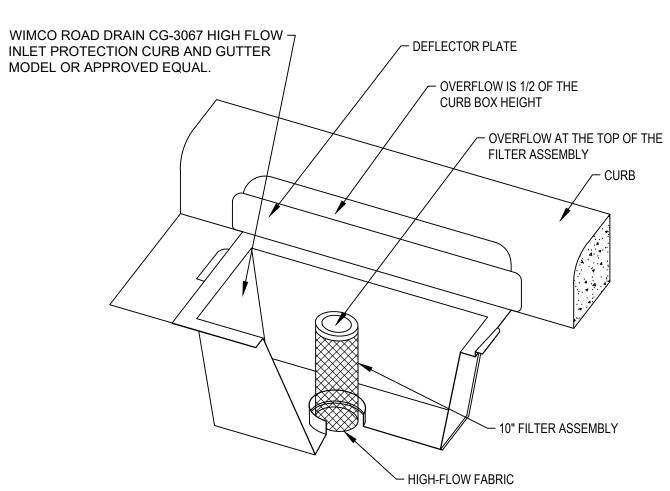
BACKFILL LIGHTLY CONSOLIDATED TO TOP OF PIPE

THESE LENGTHS WILL BE AFFECTED IF THE TYPE OF MATERIAL, GREATER DEPTH OF BURY, ECT. CHANGES. THESE MUST BE RECALCULATED BY

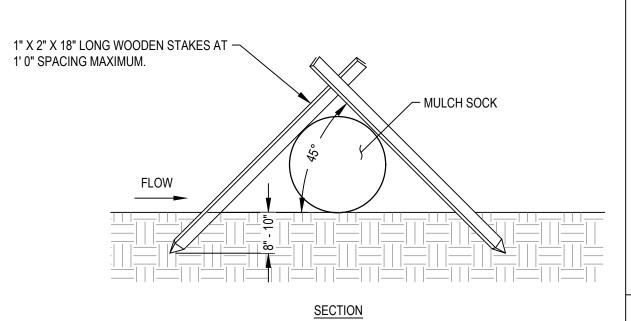
THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

	RESTRAINED LENGTHS FOR								
	VERTICAL O	FFSETS	/BENDS	(EACH	SIDE)				
	SIZE HORIZONTAL BENDS								
	SIZE	90°	45°	22-1/2°	11-1/4				
12	UPPER	DON'T	42	20	10				
	LOWER	USE	10	5	2				
10	UPPER	DON'T	36	17	8				
	LOWER	USE	8	4	2				
8	UPPER	DON'T	30	14	7				
	LOWER	USE	7	3	2				
6	UPPER	DON'T	23	11	5				
	LOWER	USE	5	3	1				
4	UPPER	DON'T	16	8	4				
	LOWER	USE	4	2	1				

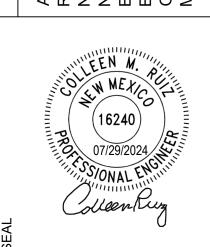




3 \ INLET PROTECTION CATCH BASIN INSERT 12 NOT TO SCALE



NOTE: IF PLACED ON PAVED SURFACE, DO NOT STAKE INTO SURFACE. CONTRACTOR SHALL ENSURE MULCH SOCK IS PROPERLY FUNCTIONING AT LEAST DAILY AND AS REQUIRED BY THE SWPPP/NPDES PERMIT, IF APPLICABLE.

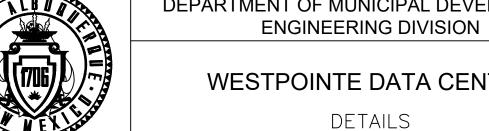


DESIGNED BY: HKK DRAWN BY: HKK CHECKED BY: JRA



CALL NM ONE-CALL SYSTEM SEVEN (7) DAYS

PRIOR TO ANY EXCAVATION DATE 7/29/2024 CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT



WESTPOINTE DATA CENTER

DESIGN REVIEW COMMITTEE | CITY ENGINEER APPROVAL ZONE MAP NO.

ESC SHOWN FOR INFORMATION ONLY. NOT PART OF CITY WORK ORDER.

J-09-Z & K-09-Z CITY PROJECT NO. 655779

SHEET NO. 12 TO 16