

SPROUL JUNIOR HIGH SCHOOL

235 SUMAC DRIVE WIDEFIELD, COLORADO

UTILITY CONSTRUCTION PLANS



Know what's below.
Call before you dig.
CALL 3-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR
EXCAVATE FOR THE MARKING OF
UNDERGROUND MEMBER UTILITIES.

PREPARED BY:

DREXEL, BARRELL & CO.
Engineers-Surveyors
101 SAWHATCH STREET, #100
COLORADO SPGS, COLORADO 80903
CONTACT: TIM D. MCCONNELL, P.E.
(719)260-0887
COLORADO SPRINGS • LAFAYETTE

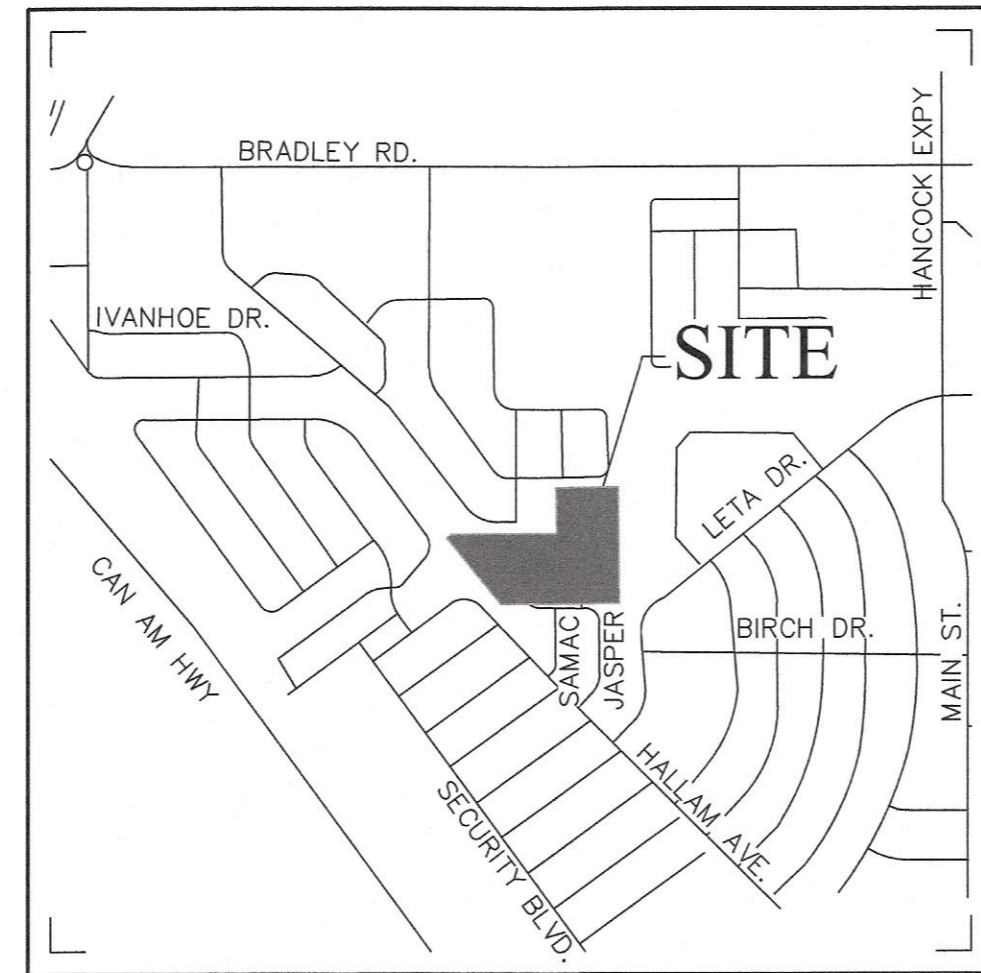
CLIENT:

12658 W. PROGRESS AVE.
LITTLETON, CO 80127
(720) 496-7873
CONTACT: PERRY THOMAS

SECURITY WATER DISTRICT
GENERAL NOTES FOR WATER DISTRIBUTION SYSTEM CONSTRUCTION

A. GENERAL

- "DISTRICT MAINS" AS DEFINED IN SECTION 2.01 (A) OF THE SECURITY WATER DISTRICT DESIGN CRITERIA AND STANDARD SPECIFICATIONS SHALL BE LOCATED WITHIN PUBLIC RIGHT-OF-WAY AND/OR EASEMENTS AS DETERMINED BY THE SECURITY WATER DISTRICT. PUBLIC RIGHT-OF-WAYS MUST BE APPROVED BY THE LOCAL LAND USE AUTHORITY IN THE SUBDIVISION PLAT OR OTHERWISE BY DEDICATION AND ACCEPTANCE.
 - THE SECURITY WATER DISTRICT MUST RECEIVE SIGNED AND RECORDED COPIES OF ALL EASEMENT AGREEMENTS PRIOR TO THE START OF CONSTRUCTION.
 - ALL WORK SHALL BE IN ACCORDANCE WITH THE SECURITY WATER DISTRICT DESIGN CRITERIA AND STANDARD SPECIFICATIONS AND THE SECURITY WATER DISTRICT POLICIES, PROCEDURES AND AGREEMENTS PERTAINING TO THIS PROJECT.
 - THE CONTRACTOR SHALL COORDINATE AND PROVIDE FOR DETERMINING THE LOCATION AND PROVIDING FOR PROTECTION OF EXISTING UTILITIES AND DRAINAGE STRUCTURES. THE UTILITY NOTIFICATION CENTER OF COLORADO SHALL BE CONTACTED BY DIALING 811 OR 1-800-922-1987.
- ALL PLANS FOR WATER SYSTEM ADDITIONS OR IMPROVEMENTS TO BE CONSTRUCTED WITHIN THE DISTRICT'S SYSTEM SHALL COMPLY WITH THE COLORADO SUBSURFACE UTILITY LAW: SENATE BILL 18-167, CRS 9-1.5-101 THROUGH 9-1.5-108, AS MAY BE AMENDED FROM TIME TO TIME, INCLUDING, BUT NOT LIMITED TO, PREPARATION AND SUBMITAL OF SUBSURFACE UTILITY ENGINEERING PLANS, DOCUMENTS AND CERTIFICATIONS AS SPECIFIED.
- SUFFICIENT CLEARANCE SHALL BE MAINTAINED BETWEEN THE EXCAVATION FOR THE NEW WATER FACILITIES AND ANY POWER OR TELEPHONE POLE OR GUY WIRE. IN CASES WHERE FAILURE OF A POLE IS POSSIBLE, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY FOR ASSISTANCE TO TEMPORARILY BRACE OR SUPPORT THE POLE AS REQUIRED. IN THE CASE WHERE A GUY WIRE OR ITS ANCHOR IS IN DIRECT CONFLICT WITH THE WORK PROPOSED, THE CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE UTILITY FOR THE REMOVAL AND REINSTALLATION OF THE CONFLICTING GUY WIRE OR ANCHOR AS REQUIRED.
 - NO EXCAVATED MATERIAL SHALL BE PLACED UNDER OVERHEAD ELECTRIC CONDUCTORS OR AROUND POLES OR TEMPORARILY STORED UNDER LINES WITHOUT FIRST CONSULTING WITH THE ELECTRIC UTILITY TO DETERMINE IF ADEQUATE CLEARANCES WILL BE MAINTAINED. NO PERSON, TOOL OR EQUIPMENT SHALL OPERATE CLOSER THAN 10 FEET TO ANY PORTION OF ANY ENERGIZED LINE WITHOUT FIRST COMPLYING WITH THE PROVISIONS OF COLORADO REVISED STATUTES 1973, SECTION 1, TITLE 9, ARTICLE 2.5, 102 AND 103.
 - THE CONTRACTOR SHALL NOT DISTURB ANY EXISTING UTILITIES UNLESS OTHERWISE NOTED ON THE DRAWINGS. ALL UTILITIES SHALL REMAIN IN SERVICE AT ALL TIMES DURING CONSTRUCTION UNLESS OTHER ARRANGEMENTS, ACCEPTABLE TO THE UTILITY OWNER, ARE MADE BETWEEN THE CONTRACTOR, THE RESPECTIVE UTILITY DEPARTMENT AND WHERE APPROPRIATE, THE PRIVATE PROPERTY OWNER(S).
 - THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH APPLICABLE STANDARDS AND REGULATIONS AS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).



VICINITY MAP
NOT TO SCALE



B. EARTHWORK

- ALL EXCAVATION, PIPE EMBEDMENT AND TRENCH BACKFILL SHALL BE IN ACCORDANCE WITH THE SECURITY WATER DISTRICT DESIGN CRITERIA AND STANDARD SPECIFICATIONS AND SHALL CONFORM TO THE REQUIREMENTS OF THE LOCAL AUTHORITY GOVERNING WORK IN AND USE OF PUBLIC RIGHT-OF-WAYS.
- IN THOSE AREAS WHERE CONSTRUCTION ACTIVITY ALTERS EXISTING DRAINAGE CONFIGURATIONS, DRAINAGE PATTERNS SHALL BE RESTORED TO AS GOOD AS OR BETTER CONDITIONS THAN THOSE THAT EXISTED PRIOR TO THE CONSTRUCTION ACTIVITY.
- COMPACTION SHALL BE IN COMPLIANCE WITH THE SECURITY WATER DISTRICT DESIGN CRITERIA AND STANDARD SPECIFICATIONS. IN THOSE AREAS WHERE EXCAVATION PERMITS ARE ISSUED BY AN OUTSIDE AUTHORITY OR IN CASE OF CONFLICT IN THE REFERENCED STANDARDS, COMPLY WITH THE MORE STRINGENT SPECIFICATION.
- ANY MATERIAL NOT SUITABLE FOR INCORPORATION INTO TRENCH BACKFILL OR STREET SUBGRADE SHALL BE REMOVED FROM THE SITE.
- ANY SOIL THAT IS DISTURBED BELOW THE DESIGNATED SUBGRADE ELEVATIONS BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED IN ACCORDANCE WITH THE SECURITY WATER DISTRICT DESIGN CRITERIA AND STANDARD SPECIFICATIONS.

C. TRAFFIC CONTROL AND STREET SURFACE RESTORATION

- ALL STREET SURFACE RESTORATION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE AGENCY HAVING JURISDICTION OVER THE ROADWAY, SUBJECT TO ACCEPTANCE BY THE SECURITY WATER DISTRICT.

D. WATER MAINS & APPURTENANCES

- POTHOLING OR EXCAVATION FOR WATER MAINS CROSSING EXISTING UTILITIES OR OBSTRUCTIONS SHALL BE PERFORMED IN THE DESIGN STAGE OF THE PLAN PREPARATION. THE LOCATION OF CONNECTION OF NEW WATER MAINS TO THE EXISTING DISTRIBUTION SYSTEM FACILITIES SHALL BE EXCAVATED AND HORIZONTAL AND VERTICAL LOCATION OF EXISTING FACILITIES DETERMINED BY PRECISE SURVEY. THE POTHOLE AND SURVEY DATA SHALL BE SHOWN ON THE FINAL APPROVED WATER MAIN PLANS AND/OR DRAWINGS.
- THE CONTRACTOR IS REQUIRED TO NOTIFY THE SECURITY WATER DISTRICT INSPECTOR OFFICE TWO WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION. THE SECURITY WATER DISTRICT WILL BE NOTIFIED FIVE WORKING DAYS PRIOR TO ANY SHUT DOWN OF EXISTING SERVICE DUE TO CONSTRUCTION.
- REUSE OF ANY MATERIALS OR REJECTION OF ANY NEW MATERIALS SHALL BE AT THE SOLE DISCRETION OF THE SECURITY WATER DISTRICT'S INSPECTOR. THE SECURITY WATER DISTRICT'S DECISION SHALL BE FINAL.
- ALL STREET VALVE BOXES SHALL SET 0" - 1/4" BELOW FINAL PAVEMENT SURFACE ELEVATION. FINAL SURFACE ELEVATION SHALL BE CONSTRUCTED AS ASSEMBLY IS DESIGNED (TOP SECTION FLANGE WILL BEAR APPLIED LOADING. DROP-IN RISERS SHALL NOT BE USED.) THE STREET VALVE BOX LID SHALL BE A DROP IN LID MARKED "WATER".
- DO NOT DROP PIPE AND FITTINGS WHEN OFF-LOADING. DO NOT STORE PIPE AND ASSOCIATED MATERIALS DIRECTLY ON THE GROUND.
- ALL WATER MAINS AND APPURTENANCES DELIVERED TO THE SITE FOR INSTALLATION SHALL BE KEPT CLEAN. THE ENDS OF PIPES AND FITTINGS SHALL BE COVERED WITH PROTECTIVE COVERINGS AT THE TIME OF DELIVERY TO PROTECT THE INNER SURFACES FROM COMING INTO CONTACT WITH MOISTURE, DIRT, DUST, DEBRIS AND ANIMALS AND SHALL REMAIN PROTECTED UNTIL INSTALLATION IS COMPLETE.

E. WATER SERVICE LINES

- SERVICE LINES SHALL BE INSTALLED WITH WET TAPS FOR CORPORATION STOPS. LINES ONE (1) INCH AND SMALLER DIAMETER SHALL BE DIRECT TAPPED (CC THREADED). TAPS ONE AND A HALF (1-1/2) INCH AND LARGER REQUIRE A TWELVE (12) INCH LONG, CC THREADED, FUSION EPOXY COATED, STEEL TAPPING SLEEVE OR CUT IN TEE.
- EACH BUSINESS, EACH RESIDENCE, AND EACH UNIT OF A DUPLEX HAVING SEPARATE WATER FACILITIES SHALL HAVE A SEPARATE METER AND WATER SERVICE LINE FROM THE MAIN TO THE METER ASSEMBLY.
- EXISTING BUSINESSES OR RESIDENCES THAT MODIFY, EXPAND OR SPLIT SPACE THAT NOW HAVE ONE SERVICE LINE, SHALL INSTALL A NEW SERVICE LINE CONNECTED TO THE DISTRIBUTION SYSTEM AND METER ASSEMBLY IF THERE IS TO BE A SEPARATE BUSINESS OR RESIDENCE.
- TAPPING PERMITS MUST BE APPLIED FOR AT THE SECURITY WATER DISTRICT OFFICE LOCATED AT 231 SECURITY BOULEVARD, PHONE 719-392-3475, AND PAID FOR AT LEAST 24 HOURS PRIOR TO TAPPING.
- ALL SERVICE TAPS ON WATER MAINS WITHIN THE SECURITY WATER DISTRICT DISTRIBUTION SYSTEM SHALL BE ACCOMPLISHED BY THE CONTRACTOR, WHO SHALL NOTIFY THE SECURITY WATER DISTRICT 24 HOURS PRIOR TO TAPPING. PROPERTY CORNERS SHALL BE CLEARLY MARKED BY CONTRACTOR OR OWNER PRIOR TO TAPPING.
- SERVICE LINE MATERIAL SHALL BE POLYETHYLENE (PE) PIPING, SIDR-7, OR OTHER SECURITY WATER DISTRICT APPROVED MATERIAL, ACCOMPANIED BY A #6 BARE COPPER LOCATION WIRE. CURB STOPS AND CORPORATION STOPS SHALL BE FORD METER BOX CO. BRASS AS SPECIFIED. CURB STOP BOXES SHALL BE TYLER, BOTTOM SLIP JOINT AND TOP SCREW JOINT.
- SERVICE LINES SHALL ENTER THE LOT AS CLOSE AS POSSIBLE TO 90-DEGREES TO THE FRONT PROPERTY LINE. SERVICE LINES SHALL HAVE NO LESS THAN 10-FEET OF SEPARATION FROM SEWER SERVICES AND NO LESS THAN 6-FEET OF SEPARATION FROM ALL OTHER UTILITIES. BENCHING OF WATER SERVICE LINES ABOVE SEWER SERVICES IN A COMMON DITCH IS NOT PERMITTED. CURB STOPS SHALL BE SET AT A DEPTH OF 4-FEET TO FINAL GRADE OR AT SIDEWALK ELEVATION. CURB STOPS SHALL NOT BE LOCATED IN SIDEWALKS OR DRIVEWAYS.
- DRAWINGS FOR NON-RESIDENTIAL SERVICE INSTALLATIONS SHALL HAVE A DETAIL OF THE UTILITY ROOM SHOWING METER(S), PRV, BACKFLOW DEVICE, ISOLATION VALVES, FLOOR DRAINS, AND OTHER REQUIRED APPURTENANCES. BACKFLOW DEVICES SHALL BE TESTED BY A CERTIFIED BACKFLOW TECHNICIAN PRIOR TO INITIAL ACCEPTANCE BY THE SECURITY WATER DISTRICT. THE SECURITY WATER DISTRICT SHALL RECEIVE COPIES OF TEST RESULTS ON SECURITY WATER DISTRICT TEST FORMS AVAILABLE AT THE SECURITY WATER DISTRICT OFFICE.

F. GENERAL CONSTRUCTION NOTES

- SHOP DRAWING SUBMITTALS SHALL BE MADE TO THE SECURITY WATER DISTRICT FOR ALL MATERIALS TO BE INCORPORATED INTO THIS PROJECT.
- ALL WATER MAINS AND SERVICE LINE WORK SHALL BE UNDERTAKEN UTILIZING CLASS "B" BEDDING. REFER TO THE SECURITY WATER DISTRICT DESIGN CRITERIA AND STANDARD SPECIFICATIONS FOR THE REQUIRED PIPELINE EMBEDMENT.
- ANY SIGNS, DELINEATOR POSTS, MAILBOXES, NEWSPAPER BOXES AND OTHER APPURTENANCES REMOVED DURING CONSTRUCTION SHALL BE REINSTALLED IN THE SAME LOCATION AND IN AN ACCEPTABLE CONDITION.
- IN THOSE AREAS WHERE NEW PIPELINE CONSTRUCTION IMPACTS EXISTING FENCING, THE CONTRACTOR SHALL REMOVE THE FENCING AS NECESSARY. ALL FENCING REMOVED DURING CONSTRUCTION SHALL BE REINSTALLED IN A CONDITION AS GOOD AS OR BETTER THAN ORIGINALLY FOUND.
- EXISTING PROPERTY CORNERS AND SECTION MONUMENTATION SHALL NOT BE DISTURBED. IN THE EVENT ANY EXISTING PROPERTY MONUMENTATION IS DISTURBED DURING THE COURSE OF CONSTRUCTION, IT SHALL BE REPLACED BY A SURVEYOR LICENSED IN THE STATE OF COLORADO.
- THE CONTRACTOR SHALL SET ALL VALVE RISER BOXES OUTSIDE OF PAVED ROADWAYS OR HARDSCAPED AREAS 2-INCHES ABOVE THE FINISH GRADE AND INSTALL A CARSONITE MARKER POST AT EACH VALVE. CONTRACTOR SHALL COORDINATE WITH THE SECURITY WATER DISTRICT FOR THE PLACEMENT OF THE CARSONITE MARKERS AT ALL LOCATIONS.
- NEW MATERIALS SHALL BE USED FOR ALL WORK UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- POSITIVE DRAINAGE SHALL BE PROVIDED AWAY FROM ALL STRUCTURES. FINAL GRADING IS SUBJECT TO REVIEW AND APPROVAL.
- THE SUBGRADE UNDERNEATH ALL STRUCTURES SHALL BE ADEQUATELY STABILIZED IN ACCORDANCE WITH THE SECURITY WATER DISTRICT DESIGN CRITERIA AND STANDARD SPECIFICATIONS.
- ALL WATER MAINS ARE SUBJECT TO PRESSURE TESTING IN ACCORDANCE WITH THE SECURITY WATER DISTRICT DESIGN CRITERIA AND STANDARD SPECIFICATIONS. PRIOR TO FINAL ACCEPTANCE BY THE SECURITY WATER DISTRICT, ALL WATER MAINS MUST BE PRESSURE TESTED, DISINFECTED, AND AN ACCEPTABLE BACTERIOLOGICAL TEST RECEIVED AND PROVIDED TO THE SECURITY WATER DISTRICT FOR ACCEPTANCE.
- THE PIPELINE INSTALLATION SHALL GENERALLY BE ACCOMPLISHED BY PUSHING SPIGOT ENDS INTO BELL ENDS OF THE PIPE.
- ALL WATER MAINS INSTALLED WITHIN THE SECURITY WATER DISTRICT SHALL BE DUCTILE IRON PIPE (DIP) IN ACCORDANCE WITH THE SECURITY WATER DISTRICT DESIGN CRITERIA AND STANDARD SPECIFICATIONS.
- WHERE THE NEW WATER MAIN IS LESS THAN 18 VERTICAL INCHES OVER A SANITARY SEWER MAIN, THE WATER LINE SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT REQUIREMENTS.
- ALL DUCTILE IRON PIPING UTILIZED WITHIN THE SECURITY WATER DISTRICT DISTRIBUTION SYSTEM SHALL HAVE AN EXTERIOR COATING AND AN INTERIOR LINING IN ACCORDANCE WITH THE REQUIREMENTS OF THE SECURITY WATER DISTRICT DESIGN CRITERIA AND STANDARD SPECIFICATIONS.
- THE WATER MAIN PIPELINE SHALL BE INSTALLED IN STRAIGHT ALIGNMENTS UNLESS OTHERWISE APPROVED BY THE SECURITY WATER DISTRICT.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING WATER DISTRIBUTION SYSTEM PIPELINES AS A RESULT OF THEIR CONSTRUCTION ACTIVITY.
- ALL PIPELINES SHALL BE "AS BUILT" SURVEYED AND "AS BUILT" DRAWINGS SUBMITTED TO THE SECURITY WATER DISTRICT FOR REVIEW AND ACCEPTANCE. PAPER OR "HARD COPY" DRAWINGS AND ELECTRONIC AUTOCAD FILES ARE REQUIRED. REFER TO THE SECURITY WATER DISTRICT DESIGN CRITERIA AND STANDARD SPECIFICATIONS FOR THE REQUIRED ELECTRONIC FILE FORMAT, HORIZONTAL COORDINATE SYSTEM AND VERTICAL DATUM.
- THE CONTRACTOR SHALL PROCURE AND BE FAMILIAR WITH THE SECURITY WATER DISTRICT DESIGN CRITERIA AND STANDARD SPECIFICATIONS AND THE SECURITY WATER DISTRICT POLICIES, PROCEDURES AND AGREEMENTS PERTAINING TO THIS PROJECT PRIOR TO COMMENCING CONSTRUCTION. A COPY OF THE SECURITY WATER DISTRICT'S DESIGN CRITERIA AND STANDARD SPECIFICATIONS SHALL BE ON-SITE ANY TIME CONSTRUCTION IS BEING ACCOMPLISHED.
- THE WARRANTY FOR COMPLETED WORK SHALL EXTEND FOR A TWO-YEAR PERIOD FROM THE DATE OF THE PRELIMINARY ACCEPTANCE OF THE PROJECT BY THE SECURITY WATER DISTRICT.

SHEET INDEX

- UCV1 UTILITY PLANS COVER SHEET
- UNTS UTILITY PLAN NOTES
- SS01 WATER/SANITARY SERVICE PLAN & PROFILE

WATER AND SEWER MAIN EXTENSIONS

ANY CHANGES OR ALTERATIONS AFFECTING THE GRADE, ALIGNMENT, ELEVATION AND/OR DEPTH OF COVER OF ANY WATER OR SEWER MAINS OR OTHER APPURTENANCES SHOWN ON THIS DRAWING SHALL BE THE RESPONSIBILITY OF THE OWNER/DEVELOPER. THE OWNER/DEVELOPER SHALL BE RESPONSIBLE FOR ALL OPERATIONAL DAMAGES AND DEFECTS IN INSTALLATION AND MATERIAL FOR MAINS AND SERVICES FROM THE DATE OF APPROVAL UNTIL FINAL ACCEPTANCE IS ISSUED.

Zach Roberts
OWNER/DEVELOPER
5-13-26
DATE

SECURITY WATER DISTRICT MAIN EXTENSIONS
WATER STATEMENT

THE UNDERSIGNED OWNER/DEVELOPER AGREES THAT THE INSTALLATION OF THESE PROPOSED WATER FACILITIES WILL BE MADE IN ACCORDANCE WITH THE SECURITY WATER DISTRICT STANDARD SPECIFICATIONS AND SHALL PROVIDE MINIMUM COVER OVER THE WATER MAIN(S) IN ACCORDANCE WITH THE FOLLOWING:

MAIN SIZE	COVER
6"	5- FEET TO FLOW LINE
8"	5- FEET TO FLOW LINE
12"	4- FEET TO TOP OF PIPE
>12"	TBD

ANY CHANGES REQUIRED TO MEET THE ABOVE STIPULATIONS SHALL BE AT THE EXPENSE OF THE OWNER/DEVELOPER. COVER IN EXCESS OF THOSE SHOWN IN THE TABLE SHALL BE SUPPORTED BY PLAN AND PROFILE DRAWINGS APPROVED BY THE DISTRICT.

SIGNED: *Zach Roberts* DATE: 5-13-26
OWNER/DEVELOPER

DBA: *Widfield School Dist #3*
ADDRESS: *685 Widfield Dr. Colorado Spgs CO 80901*

ALL HYDRANTS SHALL BE INSTALLED ACCORDING TO THE DISTRICT'S SPECIFICATIONS.

WATER INSTALLATION CORROSION CONTROL REQUIREMENTS
NONE REQUIRED
REQUIRED, DESCRIBED AS FOLLOWS:
WATER PLAN APPROVAL FOR USE IN CONSTRUCTION

SIGNED: *Brandon Bond* DATE: 5/16/2026
SECURITY WATER DISTRICT

SECURITY SANITATION DISTRICT COLLECTION SYSTEM EXTENSIONS

THE UNDERSIGNED OWNER/DEVELOPER AGREES THAT THE INSTALLATION OF THESE PROPOSED WASTEWATER FACILITIES WILL BE MADE IN ACCORDANCE WITH THE SECURITY SANITATION DISTRICT DESIGN CRITERIA AND STANDARD SPECIFICATIONS. THE ATTACHED WASTEWATER COLLECTION SYSTEM DOCUMENTS ARE ACCEPTED FOR USE IN CONSTRUCTION.

ANY CHANGES REQUIRED TO MEET THE ABOVE CONDITIONS SHALL BE AT THE EXPENSE OF THE OWNER/DEVELOPER.

SIGNED: *Zach Roberts* DATE: 5-13-26
OWNER/DEVELOPER

DBA: *Widfield School Dist #3*
ADDRESS: *685 Widfield Dr. Colorado Spgs CO 80901*

SECURITY SANITATION DISTRICT ACCEPTANCE OF PLANS:
BY: *Brandon Bond* DATE: 5/16/2026
SECURITY SANITATION DISTRICT

CONSTRUCTION DOCUMENTS FOR:
SPROUL JUNIOR
HIGH SCHOOL
235 SUMAC DRIVE
WIDEFIELD, COLORADO

ISSUE	DATE
INITIAL ISSUE	3/13/26
LATEST ISSUE	5/6/26
DESIGNED BY:	TDM
DRAWN BY:	GES
CHECKED BY:	TDM
FILE NAME:	22141-00CV01

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.

DRAWING SCALE:
HORIZONTAL: N/A
VERTICAL: N/A

UTILITY PLANS
COVER SHEET

PROJECT NO. 22141-00CSCV
DRAWING NO.

UCV1

SHEET: 1 OF 3

GENERAL CONSTRUCTION NOTES:

- THE LOCATION OF EXISTING UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND MAY NOT INCLUDE ALL UTILITIES. THE EXCAVATION CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATED AND PRESERVE ANY AND ALL UTILITIES.
- BEFORE COMMENCING ANY EXCAVATION, CALL 811 FOR EXISTING UTILITY LOCATIONS.
- THE CONTRACTOR WILL TAKE THE NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE DUE TO THIS OPERATION. ANY DAMAGE TO THE UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, AND ANY SERVICE DISRUPTIONS WILL BE SETTLED BY THE CONTRACTOR.
- ALL BACKFILL, SUB-BASE AND/OR BASE COURSE (CLASS 6) MATERIAL SHALL BE COMPACTED TO THE SOILS ENGINEER'S RECOMMENDATIONS, AND APPROVED BY EL PASO COUNTY DEVELOPMENT SERVICES ENGINEERING DIVISION.
- ALL STATIONING IS CENTERLINE UNLESS OTHERWISE INDICATED. ALL ELEVATIONS ARE CENTERLINE UNLESS OTHERWISE INDICATED.
- THE CONTRACTOR SHALL REVEGETATE ALL DISTURBED AREAS AS SOON AS POSSIBLE AND EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED IN A FUNCTIONAL MANNER AT ALL TIMES. DEVELOPER RESPONSIBLE FOR MAINTAINING DISTURBED AREAS UNTIL REVEGETATION IS COMPLETE.
- ALL DISTURBED PAVEMENT EDGES SHALL BE CUT TO NEAT LINES. REPAIR SHALL CONFORM TO THE EPC ECM APPENDIX K -1.2C.
- ADDITIONALLY EROSION CONTROL STRUCTURES MAY BE REQUIRED AT THE TIME OF CONSTRUCTION.
- BUILDING CONTRACTORS WILL BE RESPONSIBLE FOR CONSTRUCTING POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
- ASPHALT THICKNESS AND BASE COURSE THICKNESS (COMPACTED) FOR ROADS SHALL BE PER DESIGN REPORT BY OWNER'S GEOTECHNICAL ENGINEER. OWNER'S GEOTECHNICAL ENGINEER TO BE ON SITE AT TIME OF ROAD CONSTRUCTION TO EVALUATE SOIL CONDITIONS AND DETERMINE IF ADDITIONAL MEASURES ARE NECESSARY TO ASSURE STABILITY OF THE NEW ROADS. PAVEMENT DESIGN SHALL BE APPROVED BY DEVELOPMENT SERVICES DEPARTMENT PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL REVEGETATE ALL DISTURBED AREAS WITHIN 21 DAYS OF SUBSTANTIAL GRADING COMPLETION. EROSION CONTROL SHALL BE INSTALLED AND MAINTAINED IN A FUNCTIONAL MANNER AT ALL TIMES. DEVELOPER IS RESPONSIBLE FOR MAINTAINING DISTURBED AREAS UNTIL REVEGETATION IS COMPLETE.
- TYPE M RIP-RAP WITH 4" OF TYPE II GRANULAR BEDDING AND MIRAFI L80N OR EQUAL MAY BE SUBSTITUTED WHERE TYPE L RIP-RAP WITH MIRAFI FW 700 OR EQUAL IS SPECIFIED

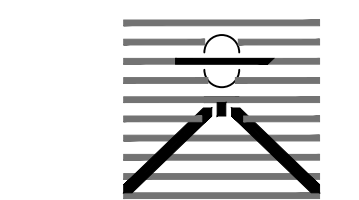
SEWER AND WATER CONSTRUCTION NOTES

SHOULD THERE BE NOTES BELOW THAT CONFLICT WITH NOTES AT SHEETS UNT1 AND UNTS, THE NOTES AT THOSE SHEETS, UNT1 (09-06-2024) AND UNTS (09-16-2024) SHALL GOVERN.

- ALL UTILITY CONSTRUCTION SHALL BE CONDUCTED IN CONFORMANCE WITH THE CURRENT SECURITY WATER DISTRICT AND SECURITY SANITATION DISTRICT SEWER USE REGULATIONS CONSTRUCTION STANDARDS. COMPACTION REQUIREMENTS SHALL BE 95% STANDARD PROCTOR AS DETERMINED BY ASTM D698, UNLESS OTHERWISE APPROVED BY THE DISTRICT OR HIGHER A STANDARD IS IMPOSED BY ANOTHER AGENCY HAVING RIGHT-OF-WAY JURISDICTION.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE SECURITY WATER DISTRICT AND SECURITY SANITATION DISTRICT. THE DISTRICTS RESERVE THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS.
- THE DEVELOPER OR HIS ENGINEER HAS LOCATED ALL FIRE HYDRANTS AND FUTURE SERVICE STUBS. ANY REQUIRED REALIGNMENT, EITHER HORIZONTAL OR VERTICAL, SHALL BE AT THE EXPENSE OF THE DEVELOPER.
- ALL DUCTILE IRON PIPE, TO INCLUDE FITTINGS, VALVES AND FIRE HYDRANTS, WILL BE WRAPPED WITH POLYETHYLENE TUBING, BONDED AT EACH JOINT AND ELECTRICALLY ISOLATED.
- ALL DUCTILE IRON PIPE AND FITTINGS SHALL HAVE CATHODIC PROTECTION USING NO.6 WIRE WITH 17 LB MAGNESIUM ANODES EVERY 400 FEET, AND 1 LB MAGNESIUM ANODES AT EVERY FITTING.
- PVC MAIN LINES SHALL BE INSTALLED WITH COATED NO. 12 TRACER WIRE.
- THE CONTRACTOR IS REQUIRED TO NOTIFY THE SECURITY WATER DISTRICT AND THE SECURITY SANITATION DISTRICT (392-3475) A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY AFFECTED UTILITY COMPANIES 48 HOURS PRIOR TO CONSTRUCTION ADJACENT TO THE KNOWN UTILITY LINES.
- THE LOCATION OF ALL UTILITIES AS SHOWN ON THESE DRAWINGS IS APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL FIELD EXCAVATE AND VERIFY THE VERTICAL AND HORIZONTAL LOCATION OF ALL TIE-INS. THE CONTRACTOR SHALL NOTIFY THE SECURITY WATER DISTRICT AND THE SECURITY SANITATION DISTRICT AND THE ENGINEER OF THE FIELD VERIFIED INFORMATION PRIOR TO CONSTRUCTION.
- ALL BENDS SHALL BE FIELD STAKED PRIOR TO CONSTRUCTION.
- ANY WATER UTILITY MATERIAL REMOVED AND NOT REUSED SHALL BE RETURNED TO THE SECURITY WATER DISTRICT AND THE SECURITY SANITATION DISTRICT IF THE DISTRICT SO REQUESTS. IF MATERIAL IS NOT WANTED BY THE DISTRICT, IT SHALL BE DISPOSED OF OFF-SITE AT AN APPROVED DISPOSAL FACILITY BY THE CONTRACTOR.
- THE CONTRACTOR SHALL AT HIS EXPENSE SUPPORT AND PROTECT ALL UTILITY MAINS SO THAT THEY WILL FUNCTION CONTINUOUSLY DURING CONSTRUCTION. SHOULD A UTILITY MAIN FAIL AS A RESULT OF THE CONTRACTOR'S OPERATION, IT WILL BE REPLACED IMMEDIATELY BY EITHER THE CONTRACTOR OR THE SECURITY WATER DISTRICT AND THE SECURITY SANITATION DISTRICT AT FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR.
- PRIOR TO EXECUTION, ANY PUMPING OR BYPASS OPERATIONS MUST BE REVIEWED AND APPROVED BY BOTH THE SECURITY SANITATION DISTRICT AND THE ENGINEER.
- THE CONTRACTOR MUST REPLACE OR REPAIR ANY DAMAGE TO ALL SURFACE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO FENCES, CURB AND GUTTER AND/OR ASPHALT, THAT MAY BE CAUSED DURING CONSTRUCTION.
- ALL WATER LINES 6-AND LARGER, AND ALL SEWER LINES 8-AND LARGER SHALL HAVE -AS-BUILT- PLANS PREPARED AND APPROVED PRIOR TO FINAL ACCEPTANCE BY THE SECURITY WATER DISTRICT AND SECURITY SANITATION DISTRICT.

- BEDDING FOR SANITARY SEWER AND WATER MAINS SHALL BE CLASS B BEDDING AND SHALL BE FROM 6 INCHES BELOW THE PIPE TO 12 INCHES ABOVE THE PIPE.
- GATE VALVES AND MANHOLE RINGS AND COVERS SHALL BE ADJUSTED TO 1/4-BELOW FINISHED GRADE OF THE STREET.
- ALL ARE HYDRANTS SHALL BE INSTALLED ACCORDING TO THE SECURITY WATER DISTRICT (SWD) STANDARD SPECIFICATIONS. FIRE HYDRANT PLACEMENT PER SWD SPECIFICATIONS SHALL HAVE THE CENTER OF TRAFFIC FLANGE 4 INCHES ABOVE FINISHED GRADE. ARE HYDRANTS SHALL BE MUELLER SUPER CENTURION. OPENING TO THE LEFT, COUNTERCLOCKWISE.
- CONTRACTOR TO MAINTAIN A 10' MINIMUM CLEARANCE (SIDE OF PIPE TO SIDE OF PIPE) FROM WATER MAIN TO ALL OTHER UTILITIES.
- CONTRACTOR SHALL INSTALL A NO. 12 COPPER TRACER WIRE ON ALL WATER SERVICES EXTENDING UP ALL CURB BOXES.
- CONTRACTOR SHALL CONSTRUCT CONCRETE THRUST BLOCKS AND OTHER JOINT RESTRAINTS PER THE SWD STANDARD SPECIFICATIONS. THRUST BLOCKS SHALL HAVE A BOND BREAKER BETWEEN FITTINGS AND THRUST BLOCK.
- GATE VALVES SHALL BE LOCATED 3 FEET FROM ADJACENT TEES OR FITTINGS UNLESS OTHERWISE NOTED. ALL VALVES SHALL BE TIED TO THE ADJOINING FITTING WITH A MINIMUM OF FOUR 5/8-INCH DIAMETER ALL-THREAD RODS OR MECHANICAL JOINT RESTRAINTS APPROVED BY SWD.
- ALL FITTINGS LOCATED WITHIN 5 FEET OR LESS APART SHALL BE TIED TOGETHER WITH A MINIMUM OF FOUR 5/8-INCH DIAMETER ALL-THREAD RODS OR MECHANICAL JOINT RESTRAINTS APPROVED BY SWD.
- ALL WATER MAIN SHALL BE PRESSURE CLASS 350 D.I.P. ALL D.I.P. FITTINGS SHALL BE AWWA C110 OR C153 FITTINGS. VALVES SHALL OPEN TO THE LEFT, COUNTERCLOCKWISE. ALL VALVE RISER BOXES SHALL BE TYLER SLIP-TYPE SERIES 6865 OR EQUIVALENT. CONTRACTOR SHALL INSTALL POLYETHYLENE TUBING ON ALL FITTINGS PIPE AND FIRE HYDRANT BARRELS. ALL SANITARY SEWER SHALL BE PVC, SDR 35.

PREPARED BY:



DREXEL, BARRELL & CO.
Engineers & Surveyors
101 SAWATCH STREET, #100
COLORADO SPGS, COLORADO 80903
CONTACT: TIM D. MCCONNELL, P.E.
(719)260-0887
COLORADO SPRINGS • LAFAYETTE

CLIENT:



12658 W. PROGRESS AVE.
LITTLETON, CO 80127
(720) 496-7873
CONTACT: PERRY THOMAS

CONSTRUCTION DOCUMENTS FOR:
SPROUL JUNIOR HIGH SCHOOL
235 SUMAC DRIVE
WIDEFIELD, COLORADO

ISSUE	DATE
INITIAL ISSUE	3/13/26
LATEST ISSUE	5/6/26

DESIGNED BY:	TDM
DRAWN BY:	GES
CHECKED BY:	TDM
FILE NAME:	22141-00NT01

PREPARED UNDER MY DIRECT SUPERVISION FOR AND ON BEHALF OF DREXEL, BARRELL & CO.
DRAWING SCALE:
HORIZONTAL: N/A
VERTICAL: N/A

UTILITY PLAN NOTES

PROJECT NO. 22141-00CSCV
DRAWING NO.

UNT1

SHEET: 2 OF 3

