

WIDEFIELD WATER AND SANITATION DISTRICT  
WWTP CARPORTS  
CIP No. 2019-900-2028  
FOUNTAIN, COLORADO

CODE STATEMENT

I. APPLICABLE CODES INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

- A. PIKES PEAK REGIONAL BUILDING CODE (2017)
- B. INTERNATIONAL BUILDING CODE (2015)
- C. INTERNATIONAL EXISTING BUILDING CODE (2015)
- D. ICC/ANSI A117.1 ACCESSIBILITY STANDARDS (2009)

II. CODE ABSTRACT:

A. GENERAL PROPERTY INFORMATION:

CARPORT 1 (CITY OF FOUNTAIN)  
-ADDRESS 480 WILLOW SPRINGS ROAD, FOUNTAIN, CO 80817  
-LEGAL DESCRIPTION LOT 1 BLK 1 WIDEFIELD INDUSTRIAL PARK FIL NO 1, EX THAT PT DESC BY REC #208119337  
-EPC PARCEL SCHEDULE # 5530003009  
-ZONING S-O/W-D  
-LAND USE POLITICAL SUB

CARPORT 2 (EL PASO COUNTY)

-ADDRESS 448 WILLOW SPRINGS ROAD, FOUNTAIN, CO 80817  
-LEGAL DESCRIPTION NE4NE4 EX RY + RD, EX 2.27 A TRACT CONV BY BK 2495-181 EX PT TO HWY PROJ S 0016 (34) PARCEL 17, EX ELY EX 1.42 A TRACT CONV BY BK 3126-400, SEC 460.0 FT, 25-15-66  
-EPC PARCEL SCHEDULE # 6525000004  
-ZONING A-5/CAD-O  
-LAND USE POLITICAL SUB

OWNER WIDEFIELD WATER AND SANITATION DISTRICT  
TAX EXEMPTION # 09812087  
PROPERTY STATUS POLITICAL/EXEMPT

B. BUILDING CONSTRUCTION:

CARPORT 1 (CITY OF FOUNTAIN)  
-SPACES AREA 3800 SF  
-CONSTRUCTION TYPE II-B  
-OCCUPANCY TYPE U/S-1  
-USE DETACHED ACCESSORY

CARPORT 2 (EL PASO COUNTY)

-SPACES AREA 3840 SF  
-CONSTRUCTION TYPE II-B  
-OCCUPANCY TYPE U/S-1  
-USE DETACHED ACCESSORY

PARTICIPANTS

OWNER  
WIDEFIELD WATER AND  
SANITATION DISTRICT  
8495 FONTAINE BLVD  
COLORADO SPRINGS, CO 80925  
CONTACT: ROBERT BANNISTER, PE  
DIRECTOR OF ENGINEERING  
AND OPERATIONS  
PHONE: (719) 955-6118

CONSULTING/DESIGN ENGINEER  
JDS-HYDRO CONSULTANTS, INC.  
5540 TECH CENTER DR, STE 100  
COLORADO SPRINGS, CO 80903  
CONTACT: DOUG SCHWENKE, PE  
PHONE: (719) 227-0072

SURVEY DATA

COORDINATE SYSTEM: US STATE PLANE 1983  
COORDINATE ZONE: COLORADO CENTRAL 0502  
DATUM: NAVD88 VERTICAL

TOPOGRAPHY SURVEY CONDUCTED BY RAMPART SURVEYS, LLC (DATED 4/15/19). ALL PROPERTY LINES SHOWN HEREON SHALL BE CONSIDERED AS APPROXIMATE. ALL LOT LINE DIMENSIONS SHOWN HEREON ARE PLATTED ONLY. EASEMENTS PLOTTED PER TITLEWORK.

FOR PLAN REVIEW - CARPORT 2  
ONLY (EPC)

NOTE:

(2) CARPORTS ARE SHOWN HEREIN, HOWEVER PLAN APPROVAL IS BEING SOUGHT FROM EL PASO COUNTY PLANNING FOR CARPORT 2 ONLY AS IT IS LOCATED IN EL PASO COUNTY JURISDICTION. CARPORT 1 IS SHOWN ONLY FOR REFERENCE AND IS UNDER REVIEW BY CITY OF FOUNTAIN PLANNING.



VICINITY MAP  
N.T.S.

PRE-EXCAVATION CHECKLIST

- ☐ Gas and Other Utility Lines Shown on Construction Plans
- ☐ Utility Notification Center of Colorado (UNCC)-Call at Least Two (2) Business Days Ahead-1-800-922-1987
- ☐ Utilities Located & Marked on the Ground
- ☐ Employees Briefed on Marking and Color Codes\*
- ☐ Employees Trained on Excavation and Safety Procedures for Natural Gas Lines
- ☐ When Excavation Approaches Gas Lines, Employees must Expose Lines by Careful Probing and Hand-Digging

COLOR CODE

FOR MARKING  
UNDERGROUND UTILITY LINES  
WHITE PROPOSED EXCAVATION  
MAGENTA TEMPORARY SURVEY MARKINGS  
RED ELECTRIC  
YELLOW GAS, OIL, STEAM  
ORANGE COMMUNICATION, CATV  
BLUE POTABLE WATER  
PURPLE IRRIGATION, RECLAIMED WATER, SLURRY LINES  
GREEN SEWER

UNCC  
UTILITY NOTIFICATION  
CENTER OF COLORADO  
3 Days Before You Dig:  
Call: 1-800-922-1987  
Click: www.UNCC.org

JDS-HYDRO CONSULTANTS, INC.  
5540 TECH CENTER DR., SUITE 100  
COLORADO SPRINGS, COLORADO 80919  
(719) 227-0072

SHEET INDEX

SHEET NUMBER	DESCRIPTION	SHEET NUMBER	DESCRIPTION
CIVIL	COVER SHEET	ARCHITECTURAL	
C1	OVERALL SITE PLAN	A1	CONCEPTUAL STRUCTURE ELEVATION/SECTION - CARPORT 1
C2	SITE DEVELOPMENT PLAN	A2	CONCEPTUAL STRUCTURE ELEVATION/SECTION - CARPORT 2
C3	GRADING AND EROSION CONTROL PLAN		
C4	EXISTING UTILITY PLAN		
C5	IMPROVEMENTS DETAILS		
C6	EROSION CONTROL DETAILS		
C7	EROSION CONTROL NOTES		
C8	FLOODPLAIN MAP		

LEGEND

EXISTING LOT LINE	EXISTING SANITARY SEWER MANHOLE
EXISTING FENCE	EXISTING WATER MANHOLE
EXISTING EASEMENT	EXISTING FIRE HYDRANT
EXISTING SANITARY SEWER LINE	EXISTING WATER VALVE
EXISTING WATER LINE	EXISTING UTILITY POLE
EXISTING GAS LINE	EXISTING TREE (SIZE VARIES)
EXISTING U.G. ELECTRIC	
EXISTING O.H. ELECTRIC	
EXISTING CONTOURS-MINOR	
EXISTING CONTOURS-MAJOR	
PROPOSED CONTOURS-MINOR	
PROPOSED CONTOURS-MAJOR	
BUILDING SETBACK	

Approved

By:Nina Ruiz  
Date:08/13/2019

El Paso County Planning & Community Development

SIGNATURE BLOCKS

DISTRICT APPROVALS

WIDEFILED WATER AND SANITATION DISTRICT RECOGNIZES THE DESIGN ENGINEER AS HAVING RESPONSIBILITY FOR THE DESIGN. THE WIDEFIELD WATER AND SANITATION DISTRICT HAS LIMITED ITS SCOPE OF REVIEW ACCORDINGLY.

WIDEFIELD WATER AND SANITATION DISTRICT DESIGN APPROVAL

BY: DATE:  
PROJECT NO.

ENGINEER'S STATEMENT:

THESE DETAILED PLANS AND SPECIFICATIONS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION. SAID DETAILS AND SPECIFICATIONS HAVE BEEN PREPARED ACCORDING TO THE CRITERIA ESTABLISHED BY THE APPLICABLE GOVERNING AGENCIES.

DOUGLAS E. SCHWENKE, P.E. #35711  
JDS-HYDRO CONSULTANTS, INC.

DATE





1. AERIAL IMAGER IS NOT ACCURATELY SCALED AND SHOULD BE UTILIZED FOR REFERENCE ONLY (SOURCE: GOOGLE EARTH)
2. THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATIONS AND THE PROPOSED PLAN REFLECTS ALL SITE ELEMENTS REQUIRED BY THE APPLICABLE ADA DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE. APPROVAL OF THIS PLAN BY EL PASO COUNTY DOES NOT ASSURE COMPLIANCE WITH THE ADA OR ANY REGULATIONS OR GUIDELINES ENACTED OR PROMULGATED UNDER OR WITH RESPECT TO SUCH LAWS
3. EL PASO COUNTY PLANNING AND COMMUNITY DEVELOPMENT *LAND DEVELOPMENT CODE, SECTION 6.1.3*. STATES: "EACH SITE DEVELOPMENT PLAN OR NON-RESIDENTIAL SITE PLAN SUBMITTED TO EL PASO COUNTY SHALL CLEARLY ILLUSTRATE AND IDENTIFY THE PROVISION OF ADA ACCESSIBLE EXTERIOR ROUTES IN ACCORDANCE WITH THE APPLICABLE ADA DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE. AS PER THE *ADA DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE, CHAPTER 2: SCOPING REQUIREMENTS, 206 ACCESSIBLE ROUTES, 206.2.2 WITHIN A SITE* STATES: "AT LEAST ONE ACCESSIBLE ROUTE SHALL CONNECT ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES THAT ARE ON THE SAME SITE".  
"EXCEPTION: AN ACCESSIBLE ROUTE SHALL NOT BE REQUIRED BETWEEN ACCESSIBLE BUILDINGS, ACCESSIBLE FACILITIES, ACCESSIBLE ELEMENTS, AND ACCESSIBLE SPACES IF THE ONLY MEANS OF ACCESS BETWEEN THEM IS A VEHICULAR WAY NOT PROVIDING A PEDESTRIAN ACCESS". THOROUGH EVALUATION AND RESEARCH HAS BEEN CONDUCTED BY JDS-HYDRO AND IT IS OUR BELIEF THAT THE CARPORT BEING PROPOSED HEREIN IS NOT SUBJECT TO A NEW ADA ROUTE BASED UPON THE AFOREMENTIONED EXCEPTION. IF REGULATIONS CHANGE, OR IN THE EVENT THIS REGULATION HAS BEEN MISINTERPRETED, AN ADA ROUTE SHALL BE ADDRESSED/ADDED

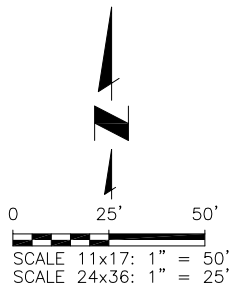
TRACT IN NE4 SEC 25-15-66 AS FOLS, BEG AT A PT FROM WHICH NE COR BEARS N 84°51' E 694.4 FT, TH N 60°20'30" W 120.5 FT TO A PT ON N LN OF SD SEC, S 89°48'30" W ALG SD N LN 171.1 FT, S 0°11'30" E 100.0 FT, N 89°48'30" E 100.0 FT, N 0°11'30" W 40.0 FT, TH N 89°48'30" E 175.6 FT TO POB

IMPERVIOUS AREA (INCL FLATWORK)	SF	AC
<i>EXISTING (POST FEB. 2008):</i>		
DISINFECTION BUILDING	505	0.012
GARAGE	2,400	0.055
DISTRIBUTOR SHED	920	0.021
CHEMICAL BUILDING	920	0.021
COMPRESSOR SHED	270	0.006
ANOXIC BASIN (SIDEWALK)	812	0.019
OPERATIONS BUILDING	6,360	0.146
<i>SUB TOTAL</i>	12,187	0.280
<i>PROPOSED</i>		
CARPORT 2	3,840	0.088
<i>TOTAL</i>	16,027	0.368





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LEGEND:

- BASIN BOUNDARY TO WWTP
- BASIN BOUNDARY TO WILLOW SPRINGS ROAD
- PROPOSED FLOW DIRECTION
- EXISTING GRAVEL
- EXISTING LANDSCAPE ROCK/HARDSCAPE
- EXISTING CONCRETE

EARTHWORK SUMMARY:

CUT	70± CY
FILL	375± CY
NET FILL	305± CY
TOTAL CARPORT 1 AND 2	
SITE DISTURBED AREA	32,800± SF (0.75± AC)

EROSION/SEDIMENT CONTROL LEGEND

- ~SF~ PROPOSED SILT FENCE
- XXXXX PROPOSED SEDIMENT CONTROL LOG

MATERIALS HANDLING SPECIFICATIONS:

- DEBRIS, OVERBURDEN, SOIL STOCKPILES AND WASTE MATERIALS SHALL BE PLACED AWAY FROM AREAS OF RUNOFF
- THERE ARE SEVERAL BEST MANAGEMENT PRACTICES THAN CAN BE EMPLOYED TO PREVENT OR MITIGATE THE SOURCE OF POLLUTANTS AND CONTAMINATION OF STORM WATER RUNOFF. THE CONTRACTOR IS NOT LIMITED TO THESE MEASURES WHICH MAY REQUIRE ADJUSTING THE BMP'S AS THE PROJECT PROGRESSES AND IMPLEMENT FURTHER CONTROLS AS PRUDENCE AND GOOD JUDGMENT DEEM NECESSARY. SOME OF THESE ARE:
  - ALL REFUSE DUMPSTERS AND RECEPTACLES SHALL BE EQUIPPED WITH FUNCTIONAL LIDS TO PREVENT RAIN AND SNOW FROM ENTERING. LIDS MUST BE CLOSED WHEN DUMPSTERS AND RECEPTACLES ARE NOT ACTIVELY IN USE
  - STORAGE CONTAINERS, DRUMS, AND BAGS SHALL BE STORED AWAY FROM DIRECT TRAFFIC ROUTES TO PREVENT ACCIDENTAL SPILLS. ENSURE PACKAGES AND CONTAINERS ARE INTACT
  - EMPTY DRUMS SHALL BE COVERED TO PREVENT COLLECTION OF PRECIPITATION
  - CONTAINERS SHALL BE STORED ON PALLETS TO PREVENT CORROSION OF CONTAINERS, WHICH CAN RESULT WHEN CONTAINERS COME IN CONTACT WITH MOISTURE ON THE GROUND
  - REGULARLY SCHEDULED REMOVAL OF CONSTRUCTION TRASH AND DEBRIS

ABANDONED  
WASTEWATER LAGOON

PROPOSED CARPORT 2  
96'Wx40'Lx10'H (3840 SF)  
16 SPACES 12'Wx20'Lx10'H  
5644.00' FF ELEV  
SEE SHEET C2  
REVIEW OF CARPORT 2  
ONLY BY EL PASO COUNTY

PROPOSED CARPORT 1  
(SHOWN FOR REFERENCE ONLY,  
CITY OF FOUNTAIN JURISDICTION)

PROPOSED SILT FENCE  
(103± LF). SEE EROSION  
CONTROL SHEETS

PROPOSED SILT FENCE  
(103± LF). SEE EROSION  
CONTROL SHEETS

EX GARAGE

PROPOSED SEDIMENT  
CONTROL LOG (10± LF)

EX 12" CMP

EX OPERATIONS  
BUILDING PARKING

WILLOW SPRINGS ROAD

EXISTING OPERATIONS  
BUILDING

PROPOSED SEDIMENT  
CONTROL LOG (10± LF)

PROPOSED DRAINAGE  
PAN AND CURB CUT  
SLOPE TO DRAIN  
SEE DETAIL A/C5  
(UNDER CITY OF  
FOUNTAIN REVIEW)

PROPOSED SILT FENCE  
(110± LF). SEE  
EROSION CONTROL  
SHEETS

LEGEND:



WWSO WASTEWATER TREATMENT PLANT  
PROPERTY/EL PASO COUNTY  
BOUNDARY/PROPOSED CARPORT 2 LOCATION  
(EL PASO COUNTY REVIEW OF CARPORT 2 ONLY.  
CARPORT 1 IS SHOWN FOR REFERENCE ONLY  
AND IS UNDER REVIEW WITH CITY OF FOUNTAIN  
JURISDICTION AGENCIES)

WIDEFIELD WATER AND SANITATION DISTRICT

WWTP CARPORTS

448 WILLOW SPRINGS ROAD, FOUNTAIN, CO 80817

GRADING AND EROSION CONTROL PLAN

REVISIONS		BY	APP.	DATE
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FOR PLAN  
REVIEW

Project No.: 102.118  
Date: 06/25/19  
Design: EMS  
Drawn: EMS/EGM  
Check: DES

C3

SHEET 4 OF 11

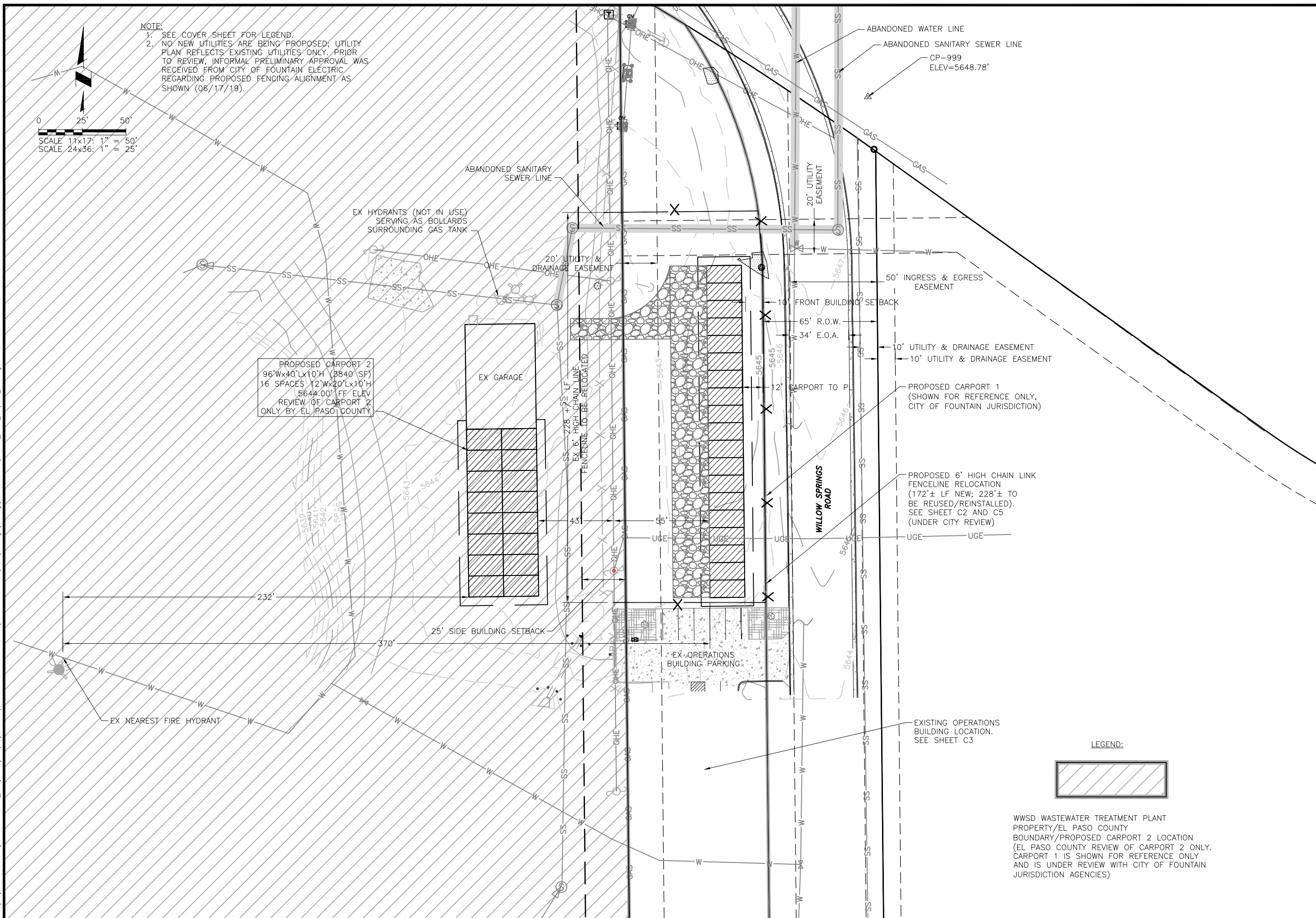
JDS-HYDRO CONSULTANTS, INC.  
5640 TECH CENTER DR., SUITE 100  
COLORADO SPRINGS, COLORADO 80919  
(719) 227-0072

DISCLAIMER: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO CONSULTANTS, INC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.



**NOTE:**

1. SEE COVER SHEET FOR LEGEND.
2. NO NEW UTILITIES ARE BEING PROPOSED; UTILITY PLAN REFLECTS EXISTING UTILITIES ONLY. PRIOR TO REVIEW, INFORMAL PRELIMINARY APPROVAL WAS RECEIVED FROM CITY OF FOUNTAIN ELECTRIC REGARDING PROPOSED FENCING ALIGNMENT AS SHOWN (06/17/19).



LEGEND:

WWSD WASTEWATER TREATMENT PLANT  
PROPERTY/EL PASO COUNTY  
BOUNDARY/PROPOSED CARPORT 2 LOCATION  
(EL PASO COUNTY REVIEW OF CARPORT 2 ONLY.  
CARPORT 1 IS SHOWN FOR REFERENCE ONLY  
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JURISDICTION AGENCIES)

## WIDEFIELD WATER AND SANITATION DISTRICT

WWTP CARPORTS  
4448 WILLOW SPRINGS ROAD, FOUNTAIN, CO 80817  
EXISTING UTILITY PLAN

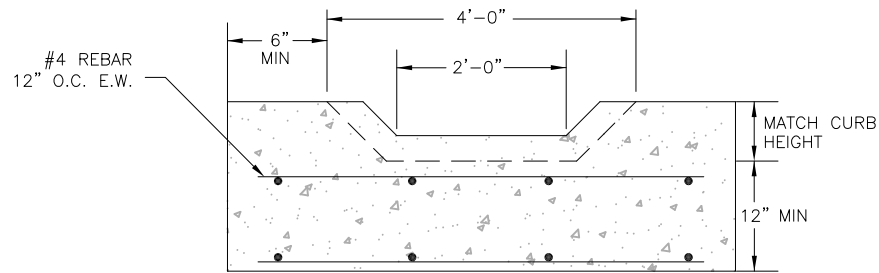
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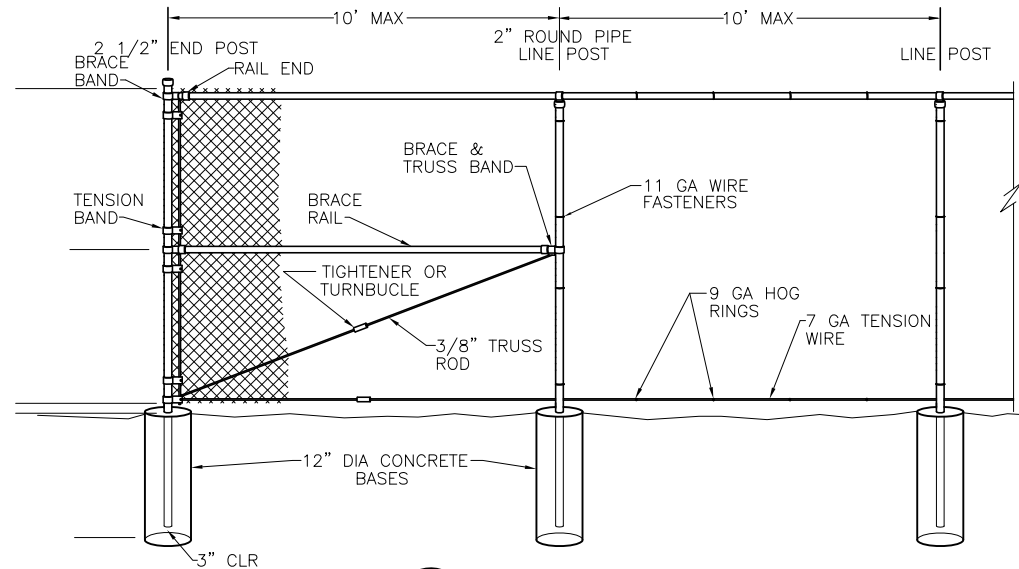
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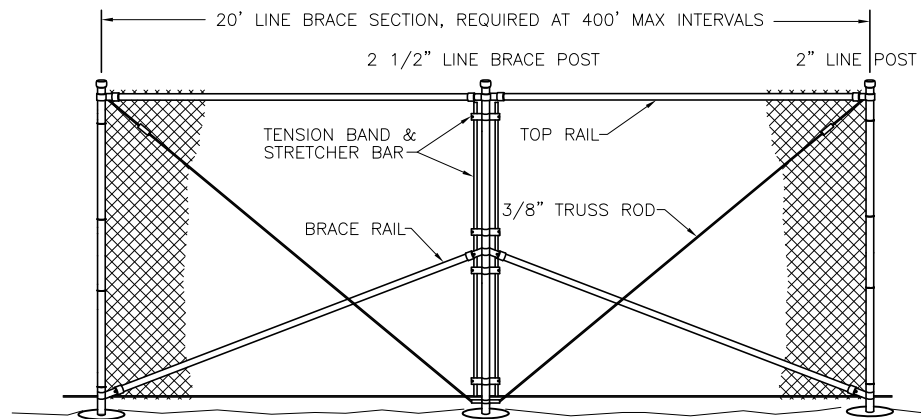
DETAILS PERTAIN TO CARPORT 1 AND ARE  
SHOWN FOR REFERENCE ONLY. REVIEW BY  
CITY OF FOUNTAIN PLANNING.



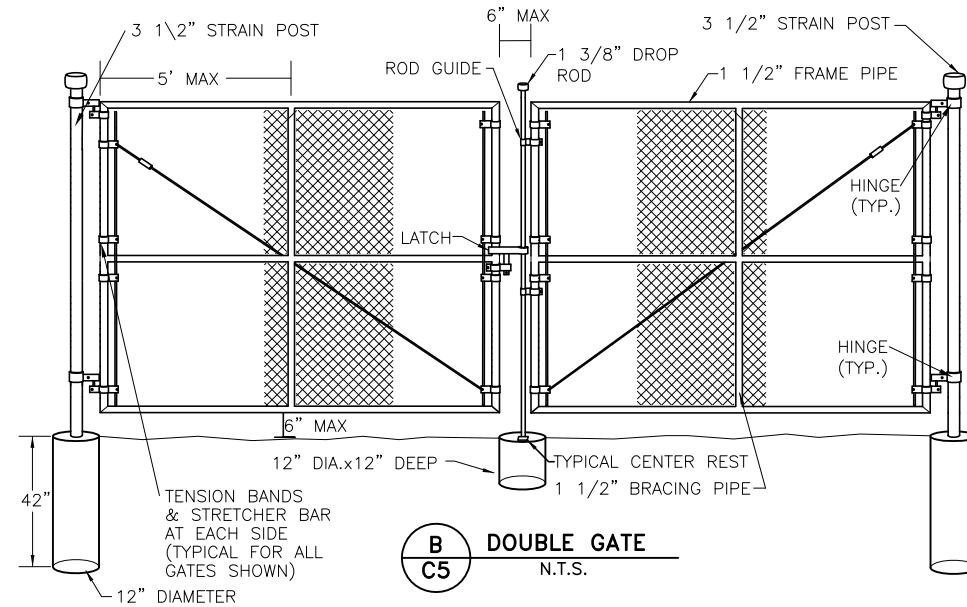
**A**  
**C5** **PROPOSED DRAINAGE CURB CUT**  
SCALE: N.T.S.



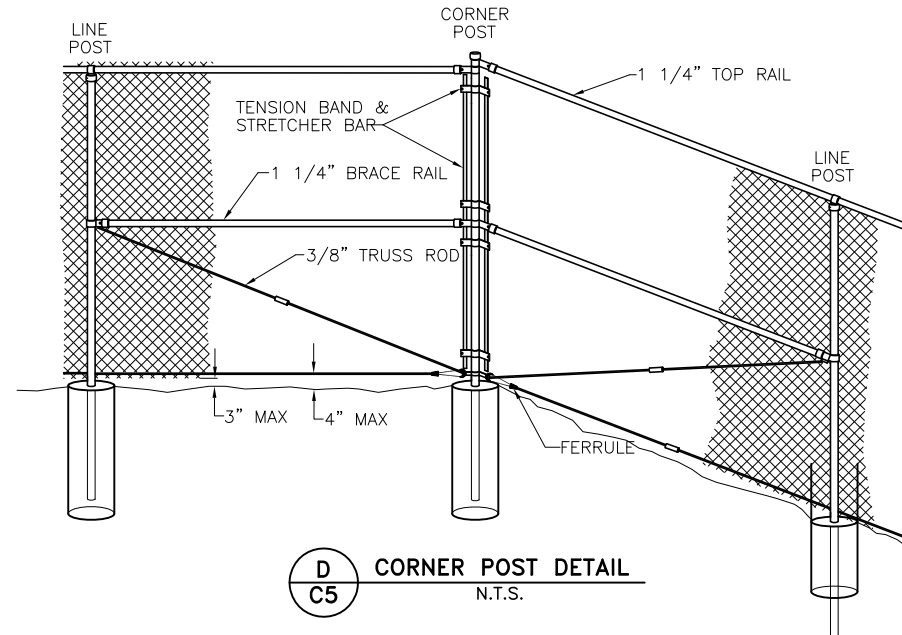
**C**  
**C5** **END POST DETAIL**  
N.T.S.



**E**  
**C5** **LINE BRACE POST DETAIL**  
N.T.S.



**B**  
**C5** **DOUBLE GATE**  
N.T.S.



**D**  
**C5** **CORNER POST DETAIL**  
N.T.S.

**FENCING NOTES:**

1. CHAIN LINK FENCE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 181.
2. CHAIN LINK FABRIC SHALL BE 2" MESH NO. 9 GAGE GALVANIZED OR ALUMINUM COATED WIRE SECURELY FASTENED TO TENSION WIRE, LINE POSTS, RAILS, BRACES AND STRETCHER BARS SPACED AS SHOWN HEREON. WIRE FASTENERS AND TIE CLIPS SHALL BE NO. 11 GAGE (W&M) GALVANIZED STEEL WIRE OR NO. 7 GAGE (B&S) ALUMINUM WIRE, AND HOG RINGS SHALL BE NO. 9 GAGE, ALL IN CONFORMANCE WITH ASTM F 626.
3. STEEL POSTS, RAILS AND GATE FRAMES SHALL CONFORM TO AASHTO M 181 TYPE 1, GRADE 1 OR GRADE 2.
4. TENSION WIRE SHALL BE CONTINUOUS BETWEEN END OR CORNER POST AND LINE BRACE POST. A TURNBUCKLE OR OTHER APPROVED TIGHTENING DEVICE SHALL BE USED FOR EACH CONTINUOUS SPAN OF TENSION WIRE.
5. TENSION WIRE SHALL BE AS SPECIFIED IN AASHTO M 181.
6. CONCRETE FOOTINGS SHALL HAVE TOPS CROWNED AT GROUND LEVEL AND SHALL BE CLASS A, AX, OR B.
7. CHAIN LINK FABRIC OVER 5 FEET HIGH SHALL BE TWISTED AND BARBED ON THE TOP SELVAGE AND KNUCKLED ON THE BOTTOM SELVAGE.
8. ATTACH FABRIC TO ALL FENCE & GATE STRUCTURES AT 12" INTERVALS VERTICALLY & AT 20" HORIZONTALLY.

WIDEFIELD WATER AND SANITATION DISTRICT

WWTP CARPORTS

448 WILLOW SPRINGS ROAD, FOUNTAIN, CO 80817

IMPROVEMENT DETAILS

REVISIONS		BY	APP.	DATE
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FOR PLAN  
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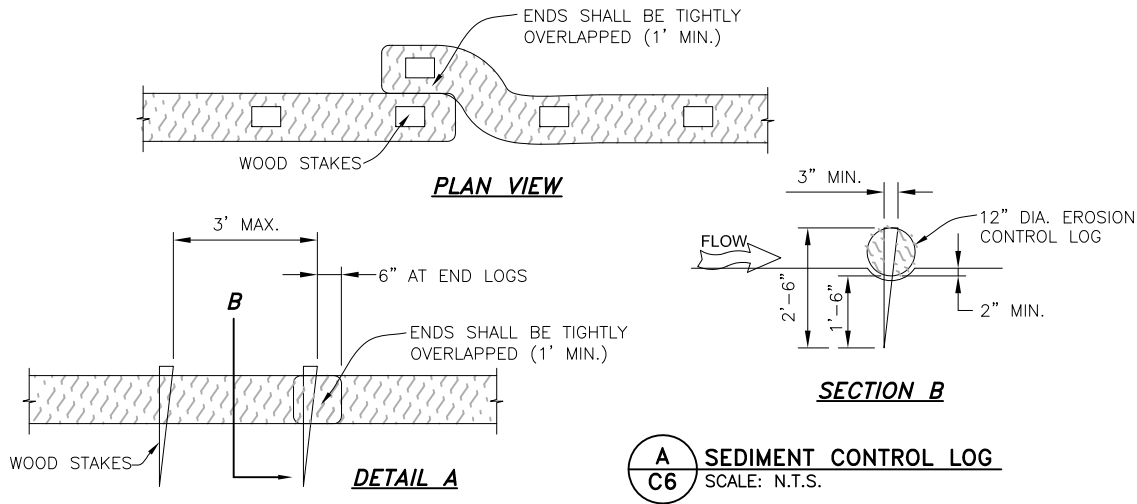
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C5

SHEET 6 OF 11

**JDS-HYDRO** CONSULTANTS, INC.  
5540 TECH CENTER DR., SUITE 100  
COLORADO SPRINGS, COLORADO 80919  
(719) 227-0072  
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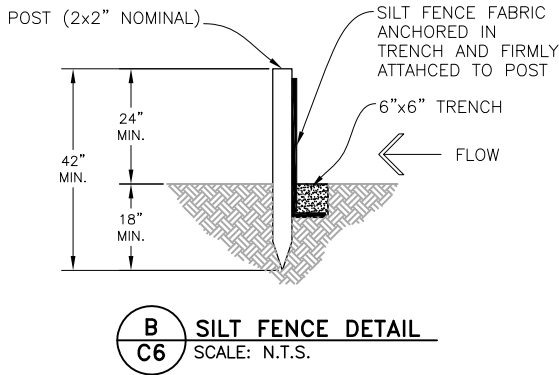
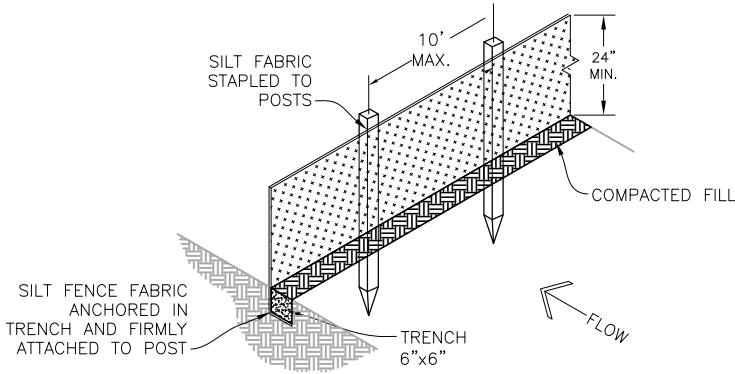
EROSION CONTROL LOG INSTALLATION NOTES

1. SEE PLAN VIEW FOR THE LOCATION AND LENGTH OF EROSION CONTROL LOG.
2. EROSION CONTROL LOGS INDICATED ON THE PLANS SHALL BE INSTALLED AFTER ANY LAND-DISTURBING ACTIVITIES OCCUR.
3. EROSION CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR, OR COCONUT FIBER.
4. NOT FOR USE IN CONCENTRATED FLOW AREAS.
5. THE EROSION CONTROL LOG SHALL BE TRENCHED INTO THE GROUND A MINIMUM OF 1/3 OF THE DIAMETER OF THE EROSION CONTROL LOG.

EROSION CONTROL LOG MAINTENANCE NOTES

1. CONTRACTOR SHALL INSPECT EROSION CONTROL LOGS DAILY, DURING AND AFTER ANY STORM EVENT AND MAKE REPAIRS OR CLEAN OUT UPSTREAM SEDIMENT AS NECESSARY.
2. SEDIMENT ACCUMULATED UPSTREAM OF EROSION CONTROL LOGS SHALL BE REMOVED WHEN THE UPSTREAM SEDIMENT DEPTH IS WITHIN 1/2 THE HEIGHT OF THE CREST OF LOG.
3. EROSION CONTROL LOGS SHALL BE REMOVED AT THE END OF CONSTRUCTION. IF ANY DISTURBED AREA EXISTS AFTER REMOVAL, IT SHALL BE DRILL SEEDED AND CRIMP MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE OWNER.

CARPORT 2 REVIEW BY EL PASO COUNTY PLANNING (CARPORT 1 APPLIES TO CITY OF FOUNTAIN )



INSTALLATION REQUIREMENTS:

1. SILT FENCES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.
2. WHEN JOINTS ARE NECESSARY, SILT FENCE GEOTEXTILE SHALL BE SPLICED TOGETHER ONLY AT SUPPORT POST AND SECURELY SEALED.
3. METAL POSTS SHALL BE "STUDDED TEE" OR "U" TYPE WITH MINIMUM WEIGHT OF 1.33 POUNDS PER LINEAR FOOT. WOOD POSTS SHALL HAVE A MINIMUM DIAMETER OR CROSS SECTION DIMENSION OF 2 INCHES.
4. THE FILTER MATERIAL SHALL BE FASTENED SECURELY TO METAL OR WOOD POSTS USING WIRE TIES, OR TO WOOD POSTS WITH 3/4" LONG #9 HEAVY-DUTY STAPLES. THE SILT FENCE GEOTEXTILE SHALL NOT BE STAPLED TO EXISTING TREES.
5. WHILE NOT REQUIRED, WIRE MESH FENCE MAY BE USED TO SUPPORT THE GEOTEXTILE. WIRE FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY-DUTY WIRE STAPLES AT LEAST 3/4" LONG, TIE WIRES OR HOG RINGS. THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 6" AND SHALL NOT EXTEND MORE THAN 3' ABOVE THE ORIGINAL GROUND SURFACE.
6. ALONG THE TOE OF FILLS, INSTALL THE SILT FENCE ALONG A LEVEL CONTOUR AND PROVIDE AN AREA BEHIND THE FENCE FOR RUNOFF TO POND AND SEDIMENT TO SETTLE. A MINIMUM DISTANCE OF 5 FEET FROM THE TOE OF THE FILL IS RECOMMENDED.
7. THE HEIGHT OF THE SILT FENCE FROM THE GROUND SURFACE SHALL BE MINIMUM OF 24 INCHES AND SHALL NOT EXCEED 36 INCHES; HIGHER FENCES MAY INPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE.

MAINTENANCE REQUIREMENTS:

1. CONTRACTOR SHALL INSPECT SILT FENCES IMMEDIATELY AFTER EACH RAINFALL, AT LEAST DAILY DURING PROLONGED RAINFALL, AND WEEKLY DURING PERIODS OF NO RAINFALL. DAMAGED, COLLAPSED, UNTRENCHED OR INEFFECTIVE SILT FENCES SHALL BE PROMPTLY REPAIRED OR REPLACED.
2. SEDIMENT SHALL BE REMOVED FROM BEHIND SILT FENCE WHEN IT ACCUMULATES TO HALF THE EXPOSED GEOTEXTILE HEIGHT.
3. SILT FENCES SHALL BE REMOVED WHEN ADEQUATE VEGETATIVE COVER IS ATTAINED

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FOR PLAN REVIEW

Project No.: 102.118  
Date: 06/25/19  
Design: EMS  
Drawn: ACH  
Check: DES

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EROSION CONTROL NOTES:

1. STORMWATER DISCHARGES FROM CONSTRUCTION SITES SHALL NOT CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR DEGRADATION OF STATE WATERS. ALL WORK AND EARTH DISTURBANCE SHALL BE DONE IN A MANNER THAT MINIMIZES POLLUTION OF ANY ON-SITE OR OFF SITE WATERS, INCLUDING WETLANDS.
2. NOTWITHSTANDING ANYTHING DEPICTED IN THESE PLANS IN WORDS OR GRAPHIC REPRESENTATION, ALL DESIGN AND CONSTRUCTION RELATED TO ROADS, STORM DRAINAGE AND EROSION CONTROL SHALL CONFORM TO THE STANDARDS AND REQUIREMENTS OF THE MOST RECENT VERSION OF THE RELEVANT ADOPTED CITY OF COLORADO SPRINGS STANDARDS, INCLUDING BUT NOT LIMITED TO THE ENGINEERING CRITERIA MANUAL, THE DRAINAGE CRITERIA MANUAL, AND THE DRAINAGE CRITERIA MANUAL VOL. II. ANY DEVIATIONS TO REGULATIONS AND STANDARDS MUST BE REQUESTED, AND APPROVED, IN WRITING.
3. A SEPARATE STORMWATER MANAGEMENT PLAN (SWMP) FOR THIS PROJECT MAY BE COMPLETED AND AN EROSION AND STORMWATER QUALITY CONTROL PERMIT (ESQCP) ISSUED PRIOR TO COMMENCING CONSTRUCTION. DURING CONSTRUCTION THE SWMP IS THE RESPONSIBILITY OF THE DESIGNATED STORMWATER MANAGER, SHALL BE LOCATED ON SITE AT ALL TIMES AND SHALL BE KEPT UP TO DATE WITH WORK PROGRESS AND CHANGES IN THE FIELD.
4. ONCE THE ESQCP HAS BEEN ISSUED, THE CONTRACTOR MAY INSTALL THE INITIAL STAGE EROSION AND SEDIMENT CONTROL BMPS AS INDICATED ON THE GEC. A PRECONSTRUCTION MEETING BETWEEN THE CONTRACTOR, ENGINEER, AND CITY OF FOUNTAIN WILL BE HELD PRIOR TO ANY CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE APPLICANT TO COORDINATE THE MEETING TIME AND PLACE WITH CITY INSPECTIONS STAFF.
5. SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES, OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN 21 CALENDAR DAYS AFTER FINAL GRADING, OR FINAL EARTH DISTURBANCE, HAS BEEN COMPLETED. DISTURBED AREAS AND STOCKPILES WHICH ARE NOT AT FINAL GRADE BUT WILL REMAIN DORMANT FOR LONGER THAN 30 DAYS SHALL ALSO BE MULCHED WITHIN 21 DAYS AFTER INTERIM GRADING. AN AREA THAT IS GOING TO REMAIN IN AN INTERIM STATE FOR MORE THAN 60 DAYS SHALL ALSO BE SEEDED. ALL TEMPORARY SOIL EROSION CONTROL MEASURES AND BMPS SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE IMPLEMENTED AND ESTABLISHED.
6. TEMPORARY SOIL EROSION CONTROL FACILITIES SHALL BE REMOVED AND EARTH DISTURBANCE AREAS GRADED AND STABILIZED WITH PERMANENT SOIL EROSION CONTROL MEASURES PURSUANT TO STANDARDS AND SPECIFICATION PRESCRIBED IN THE RELEVANT ADOPTED CITY OF COLORADO SPRINGS CRITERIA MANUEL.
7. ALL PERSONS ENGAGED IN EARTH DISTURBANCE SHALL IMPLEMENT AND MAINTAIN ACCEPTABLE SOIL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BMPS IN CONFORMANCE WITH THE EROSION CONTROL TECHNICAL STANDARDS OF THE DRAINAGE CRITERIA MANUAL (DCM) AND IN ACCORDANCE WITH THE STORMWATER MANAGEMENT PLAN (SWMP).
8. ALL TEMPORARY EROSION CONTROL FACILITIES INCLUDING BMPS AND ALL PERMANENT FACILITIES INTENDED TO CONTROL EROSION OF ANY EARTH DISTURBANCE OPERATIONS, SHALL BE INSTALLED AS DEFINED IN THE APPROVED PLANS, THE SWMP AND THE DCM AND MAINTAINED THROUGHOUT THE DURATION OF THE EARTH DISTURBANCE OPERATION.
9. ANY EARTH DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO EFFECTIVELY REDUCE ACCELERATED SOIL EROSION AND RESULTING SEDIMENTATION. ALL DISTURBANCES SHALL BE DESIGNED, CONSTRUCTED, AND COMPLETED SO THAT THE EXPOSED AREA OF ANY DISTURBED LAND SHALL BE LIMITED TO THE SHORTEST PRACTICAL PERIOD OF TIME.
10. ANY TEMPORARY OR PERMANENT FACILITY DESIGNED AND CONSTRUCTED FOR THE CONVEYANCE OF STORMWATER AROUND, THROUGH, OR FROM THE EARTH DISTURBANCE AREA SHALL BE DESIGNED TO LIMIT THE DISCHARGE TO A NON-EROSIVE VELOCITY.
11. CONCRETE WASH WATER SHALL BE CONTAINED AND DISPOSED OF IN ACCORDANCE WITH THE SWMP. NO WASH WATER SHALL BE DISCHARGED TO OR ALLOWED TO RUNOFF TO STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
12. EROSION CONTROL BLANKETING SHALL BE USED ON SLOPES STEEPER THAN 3:1, SINGLE NETTED FABRIC, AMERICAN EXCELSIOR OR EQUAL.
13. BUILDING, CONSTRUCTION, EXCAVATION, OR OTHER WASTE MATERIALS SHALL NOT BE TEMPORARILY PLACED OR STORED IN THE STREET, ALLEY, OR OTHER PUBLIC WAY, UNLESS IN ACCORDANCE WITH AN APPROVED TRAFFIC CONTROL PLAN. BMP'S MAY BE REQUIRED BY CITY OF FOUNTAIN ENGINEERING IF DEEMED NECESSARY, BASED ON SPECIFIC CONDITIONS AND CIRCUMSTANCES.
14. VEHICLE TRACKING OF SOILS AND CONSTRUCTION DEBRIS OFF-SITE SHALL BE MINIMIZED. MATERIALS TRACKED OFFSITE SHALL BE CLEANED UP AND PROPERLY DISPOSED OF IMMEDIATELY.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL WASTES FROM THE CONSTRUCTION SITE FOR DISPOSAL IN ACCORDANCE WITH LOCAL AND STATE REGULATORY REQUIREMENTS. NO CONSTRUCTION DEBRIS, TREE SLASH, BUILDING MATERIAL WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, DUMPED, OR DISCHARGED AT THE SITE.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL CONSTRUCTION DEBRIS, DIRT, TRASH, ROCK, SEDIMENT, AND SAND THAT MAY ACCUMULATE IN THE STORM SEWER OR OTHER DRAINAGE CONVEYANCE SYSTEM AND STORMWATER APPURTENANCES AS A RESULT OF SITE DEVELOPMENT.

17. THE QUANTITY OF MATERIALS STORED ON THE PROJECT SITE SHALL BE LIMITED, AS MUCH AS PRACTICAL, TO THAT QUANTITY REQUIRED TO PERFORM THE WORK IN AN ORDERLY SEQUENCE. ALL MATERIALS STORED ON-SITE SHALL BE STORED IN A NEAT, ORDERLY MANNER, IN THEIR ORIGINAL CONTAINERS, WITH ORIGINAL MANUFACTURER'S LABELS.
18. NO CHEMICALS ARE TO BE USED BY THE CONTRACTOR, WHICH HAVE THE POTENTIAL TO BE RELEASED IN STORMWATER UNLESS PERMISSION FOR THE USE OF A SPECIFIC CHEMICAL IS GRANTED IN WRITING BY THE ECM ADMINISTRATOR. IN GRANTING THE USE OF SUCH CHEMICALS, SPECIAL CONDITIONS AND MONITORING MAY BE REQUIRED.
19. BULK STORAGE STRUCTURES FOR PETROLEUM PRODUCTS AND OTHER CHEMICALS SHALL HAVE ADEQUATE PROTECTION SO AS TO CONTAIN ALL SPILLS AND PREVENT ANY SPILLED MATERIAL FROM ENTERING STATE WATERS, INCLUDING ANY SURFACE OR SUBSURFACE STORM DRAINAGE SYSTEM OR FACILITIES.
20. CONTRACTOR SHALL NOT CAUSE THE IMPEDIMENT OF STORMWATER FLOW IN THE FLOW LINE OF THE CURB AND GUTTER OR IN THE DITCHLINE.
21. CONTRACTOR SHALL COMPLY WITH THE "COLORADO WATER QUALITY CONTROL ACT" (TITLE 25, ARTICLE 8, CRS), AND THE "CLEAN WATER ACT" (33 USC 1344), IN ADDITION TO THE REQUIREMENTS INCLUDED IN THE DCM VOLUME II AND THE ECM APPENDIX I. ALL APPROPRIATE PERMITS MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION (NPDES, FLOODPLAIN, 404, FUGITIVE DUST, ETC.). IN THE EVENT OF CONFLICTS BETWEEN THESE REQUIREMENTS AND LAWS, RULES, OR REGULATIONS OF OTHER FEDERAL, STATE, OR CITY/COUNTY AGENCIES, THE MORE RESTRICTIVE LAWS, RULES, OR REGULATIONS SHALL APPLY.
22. ALL CONSTRUCTION TRAFFIC MUST ENTER/EXIT THE SITE AT APPROVED CONSTRUCTION ACCESS POINTS.
23. PRIOR TO ACTUAL CONSTRUCTION THE PERMITEE SHALL VERIFY THE LOCATION OF EXISTING UTILITIES.
24. A WATER SOURCE SHALL BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
25. REFER TO SOILS REPORT PROVIDED IN APPENDIX A OF THE CONSTRUCTION SPECIFICATIONS.
26. AT LEAST TEN DAYS PRIOR TO THE ANTICIPATED START OF CONSTRUCTION, FOR PROJECTS THAT WILL DISTURB 1 ACRE OR MORE, THE OWNER OR OPERATOR OF CONSTRUCTION ACTIVITY SHALL SUBMIT A PERMIT APPLICATION FOR STORMWATER DISCHARGE TO THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY DIVISION. THE APPLICATION CONTAINS CERTIFICATION OF COMPLETION OF A STORMWATER MANAGEMENT PLAN (SWMP), OF WHICH THIS GRADING AND EROSION CONTROL PLAN MAY BE A PART. FOR INFORMATION OR APPLICATION MATERIALS CONTACT: DEPT. OF PUBLIC HEALTH AND ENVIRONMENT, WATER QUALITY CONTROL DIVISION, WQCD - PERMITS.
27. ALL AREAS DISTURBED TO BE RESEEDDED SHALL BE SEEDED WITH A NATIVE GRASS MIXTURE. THE SEED WILL BE APPLIED USING MECHANICAL TYPE DRILLS AT 0.25"-0.5" INTO TOPSOIL. AREA NOT ACCESSIBLE TO A DRILL SEEDER AND SLOPES STEEPER THAN 2:1 SHALL BE HAND BROADCAST AT DOUBLE THE ABOVE SEED RATE AND RAKED AT 1/4 TO 1/2 INTO THE TOPSOIL. ALL SEEDED AREAS WILL BE MULCHED: 1-1/2 TONS CERTIFIED WEED FREE NATIVE HAY PER ACRE MECHANICALLY CRIMPED IN TOPSOIL IN COMBINATION WITH AN ORGANIC MULCH TACKIFIER. MAINTENANCE OF ANY SWALES WILL INCLUDE EROSION CONTROL AND PREVENTION, DEBRIS REMOVAL AND OCCASIONAL MOWING. CARE SHALL BE USED DURING THE REMOVAL OF SEDIMENT FROM ANY DRAINAGE WAYS. ANY SEEDING OR EROSION CONTROL MEASURE THAT IS DISTURBED DURING MAINTENANCE SHALL BE IMMEDIATELY REPAIRED.
28. UNLESS OTHERWISE NOTED, CITY OF FOUNTAIN STANDARD SPECIFICATIONS SUPERCEDE ANY DUPLICATE OR OUTDATED REQUIREMENTS LISTED HEREIN, OR IN THE EVENT OF ERRORS AND/OR OMISSIONS.

TIMING, CONSTRUCTION STAGING AND SEQUENCING:

EXPECTED START DATE:

INSTALL TEMPORARY EROSION CONTROL	1 DAY
ROUGH GRADING	1 DAY
PROPOSED IMPROVEMENTS (CARPORTS 1 & 2 GRAVEL DRIVE, DRAINAGE IMPROVEMENTS)	3 MONTHS
REMOVE TEMPORARY EROSION CONTROL	1 DAY

MINIMUM BEST MANAGEMENT PRACTICES ELEMENTS:

- STEP 1- EROSION AND SEDIMENT CONTROL  
INSTALL SEDIMENT TRAPPING DEVICES (PERIMETER CONTROLS) PRIOR TO THE START OF CONSTRUCTION.
- STEP 2- SPILL PREVENTION AND RESPONSE
- STEP 3- MATERIAL MANAGEMENT  
MATERIAL AND EQUIPMENT STORAGE AREAS SHALL BE SECURE AND CONTAINED TO PREVENT DISCHARGE OF ANY MATERIAL IN RUNOFF. WASTE SHALL BE CONTAINED AND DISPOSED OF PROPERLY. MAINTAIN BMP'S DURING BUILDING AND UTILITY CONSTRUCTION.
- STEP 4- INSPECTION AND MAINTENANCE  
(SEE EROSION CONTROL NOTES)
- STEP 5- INSTALL FINAL STABILIZATION - BASE COURSE, EROSION CONTROL BLANKETS, AND SEEDING.
- STEP 6- REMOVE TEMPORARY CONTROLS - SILT FENCING AFTER PERMANENT FEATURES ARE INSTALLED.

FINAL STABILIZATION AND LONG-TERM STORMWATER MANAGEMENT:

FINAL STABILIZATION MEASURES INCLUDE THE ABOVE MENTIONED.

EARTHWORK SUMMARY:

CUT	70± CY
FILL	375± CY
NET FILL	305± CY
TOTAL CARPORT 1 AND 2 SITE DISTURBED AREA	32,800± SF (0.75± AC)

SEED MIX			
SPECIES	VARIETY	LBS, PLS PER ACRE DRILLED	LBS PLS PER ACRE BROADCAST
BLUE GAMA (B. GRACILLIS)	LOVINGTON	0.4	0.8
LITTLE BLUESTEM (S. SCOPARIUS)	PASTURA	1.2	2.4
SIDOATS GRAMA (B. CURTIPEN-DULA)	BUTTE OR VAUGHN	1.6	3.2
PRAIRIE SANDREED (C. LONGIFOLIA)	GOSHEN	1.1	2.2
SAND DROPSEED (S. CRYPTANDRUS)		0.1	0.1
GREEN NEEDLEGRASS (S. VIRIDULA)		1.7	3.4
STEAMBANK WHEATGRASS	SODAR	2.0	4.0
		8.1#PLS	16.1#PLS

CARPORT 1/CITY OF FOUNTAIN  
REQUIREMENTS LISTED FOR  
REFERENCE ONLY. REVIEW BY CITY  
OF FOUNTAIN PLANNING ONLY.

WIDEFIELD WATER AND SANITATION DISTRICT

WWTP CARPORTS

448 WILLOW SPRINGS ROAD, FOUNTAIN, CO 80817  
EROSION CONTROL NOTES

JDS-HYDRO

CONSULTANTS, INC.

5640 TECH CENTER DR., SUITE 100  
COLORADO SPRINGS, COLORADO 80919  
(719) 227-0072

DECLARATION: THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ANY ERRORS OR OMISSIONS SHALL BE REPORTED TO JDS-HYDRO CONSULTANTS, INC. JDS-HYDRO ASSUMES NO LIABILITY FOR UNAUTHORIZED CHANGES AND/OR REVISIONS MADE TO PLANS.

REVISIONS		BY	DATE
NO.	DESCRIPTION	APPROVED	
1			
2			
3			
4			
5			
6			
7			

FOR PLAN REVIEW

Project No.:	102.118
Date:	06/25/19
Design:	EMS
Drawn:	ACH
Check:	DES

C7

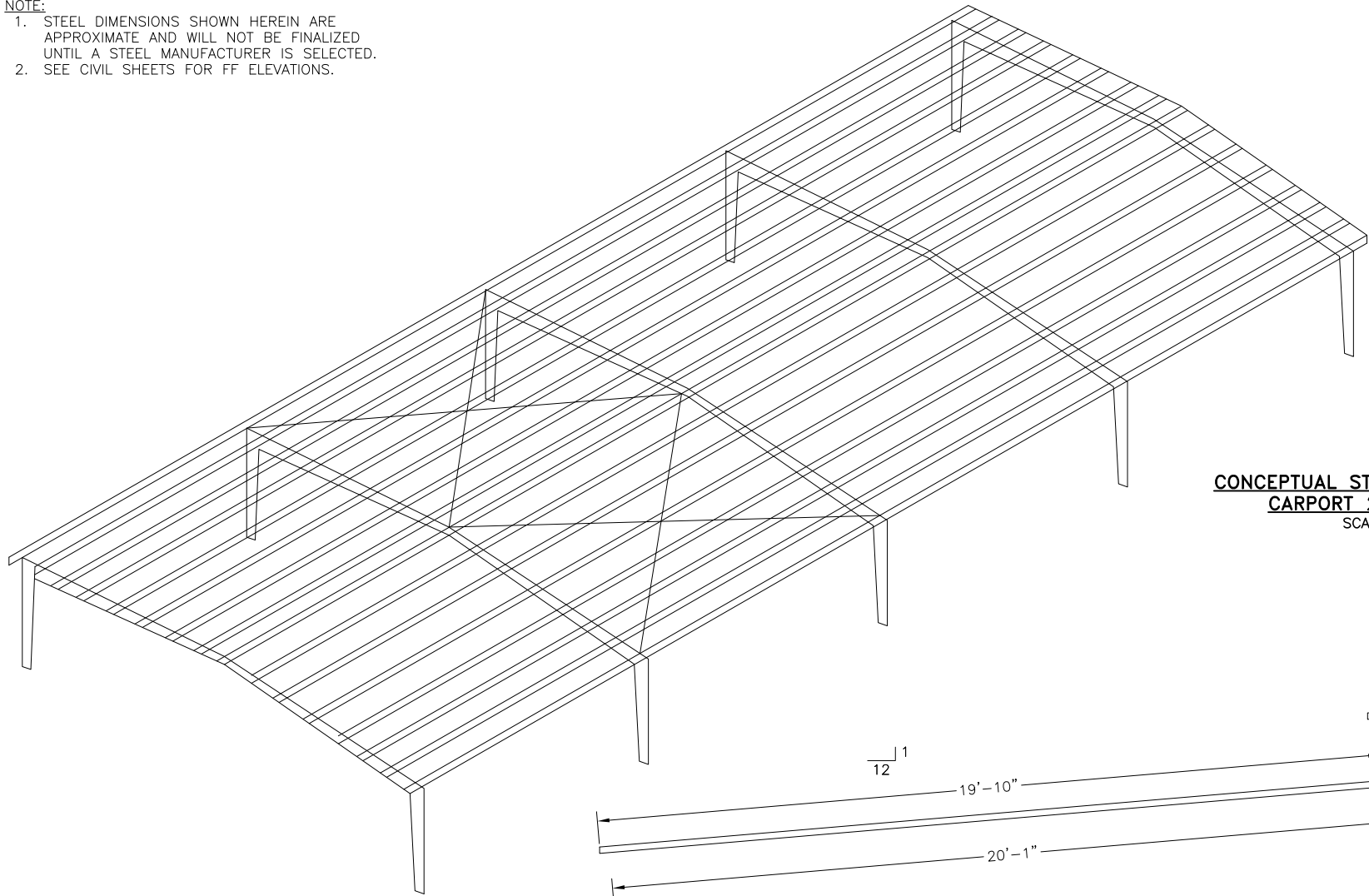


SHEET 9 OF 11

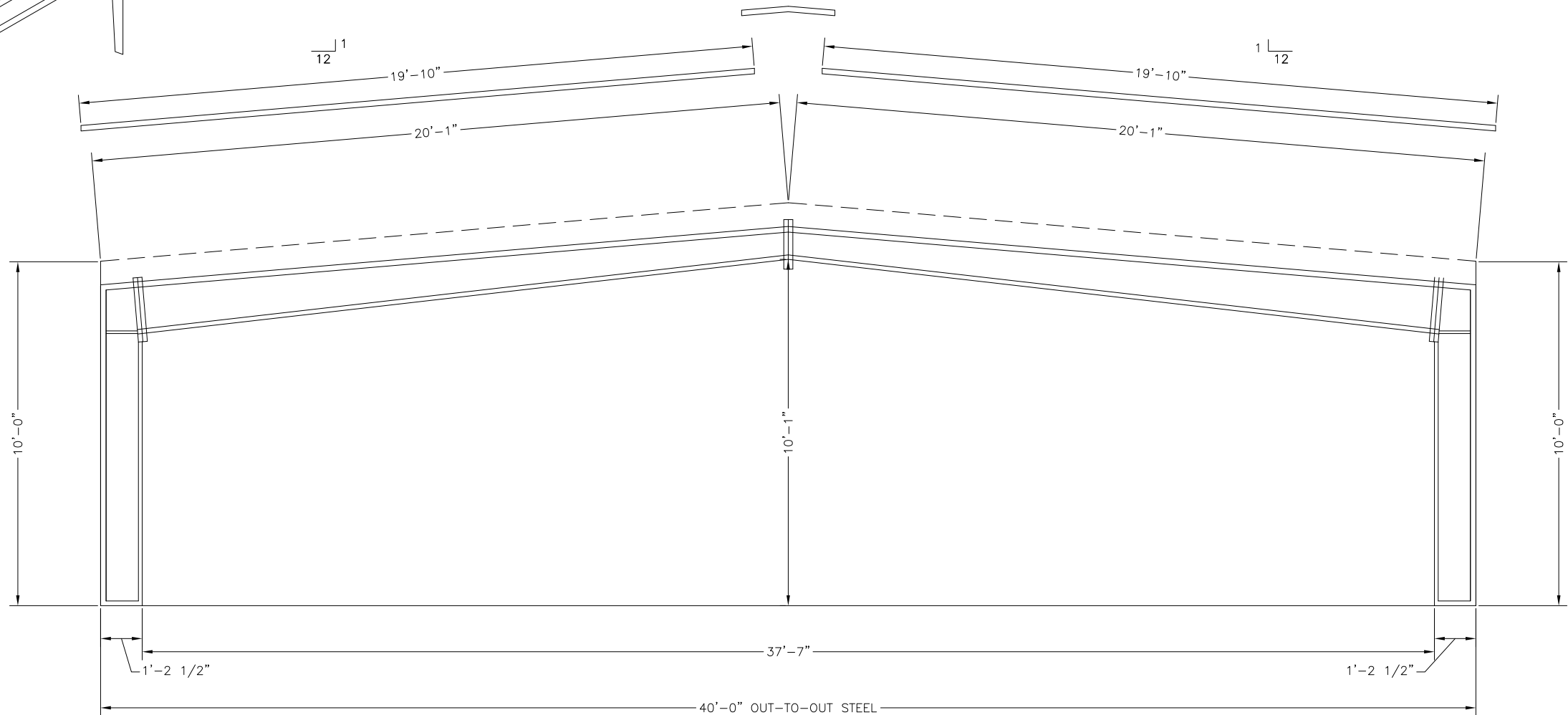




- NOTE:
1. STEEL DIMENSIONS SHOWN HEREIN ARE APPROXIMATE AND WILL NOT BE FINALIZED UNTIL A STEEL MANUFACTURER IS SELECTED.
  2. SEE CIVIL SHEETS FOR FF ELEVATIONS.



CONCEPTUAL STRUCTURE ISOMETRIC  
CARPORT 2 RIGID FRAME  
SCALE: N.T.S.



CONCEPTUAL STRUCTURE SECTION/ELEVATION  
CARPORT 2 RIGID FRAME  
11X17 SCALE:  $\pm 1/4"$ =1'-0"  
24x36 SCALE:  $\pm 1/2"$ =1'-0"

# CARPORT 2 REVIEW BY EL PASO COUNTY PLANNING

WIDEFIELD WATER AND SANITATION DISTRICT  
WWTP CARPORTS  
448 WILLOW SPRINGS ROAD, FOUNTAIN, CO 80817  
CONCEPTUAL STRUCTURE ELEVATION/SECTION – CARPORT 2

REVISIONS			
NO.	DESCRIPTION	BY	DATE
1	JURISD. CLARIF.	GGM	DES 07/31/19
2			
3			
4			
5			
6			
7			

FOR PLAN  
REVIEW

Project No.: 102.118  
Date: 06/25/19  
Design: GGM  
Drawn: GGM  
Check: DES

A2  
SHEET 11 OF 11

JDS-HYDRO CONSULTANTS, INC.  
5540 TECH CENTER DR., SUITE 100  
COLORADO SPRINGS, COLORADO 80919  
(719) 227-0072  
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