

WIDEFIELD WATER AND SANITATION DISTRICT

ROLLING HILLS 2MG POTABLE WATER TANK

2019.829.2030

EL PASO COUNTY, COLORADO

CODE STATEMENT

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

- A. INTERNATIONAL BUILDING CODE (2015)
- B. PIKES PEAK REGIONAL BUILDING CODE (2017)
- C. INTERNATIONAL PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS (LATEST EDITION)
- D. INTERNATIONAL PLUMBING CODE (2015)
- E. INTERNATIONAL FIRE CODE (2015)
- E. INTERNATIONAL MECHANICAL CODE (2015)
- F. NATIONAL ELECTRICAL CODE (2014)
- G. ICC/ANSI 117.1 (2009)
- H. INTERNATIONAL ENERGY CONSERVATION CODE (2015)

II. CODE ABSTRACT:

A. GENERAL INFORMATION:

LOCATION: ADDRESS: TBD
 COLORADO SPRINGS, CO 80908
 OVERALL PARCEL: 01-15-65
 TANK SITE: APPROXIMATELY 2168' SOUTHWEST OF DRENNAN ROAD AND MOCKINGBIRD LANE INTERSECTION

OWNER: WIDEFIELD WATER AND SANITATION DISTRICT
 TAX ID #: 19871569515
 PROPERTY STATUS: EXEMPT
 TOTAL BUILDING AREA: 7,620 SF
 BUILDING CONSTRUCTION TYPE: II-B

EPC SCHEDULE #: 55000-00-385
 PARCEL OWNER: MURRAY FOUNTAIN, LLC

B. OCCUPANCY TYPE(S):

OCCUPANCY TYPE: N/A

C. OCCUPANCY LOAD CALCULATION:

N/A - UNOCCUPIED STRUCTURE

LEGEND

---	EX PROPERTY LINE	====	PP SANITARY SEWER LINE ALIGNMENT
- - -	EX RIGHT-OF-WAY	====	PP WATER LINE ALIGNMENT
-X-	EX FENCE	====	PP CONTOURS-MAJOR
-W-	EX WATER LINE	5540	PP CONTOURS-MINOR
-SS-	EX SANITARY SEWER LINE	-X-	PP FENCE
-OHE-	EX O.H. ELECTRIC	-UGE-	PP U.G. ELECTRIC LINE
-GAS-	EX U.G. GAS LINE	-----	PP EASEMENT
-----	EX CONTOURS-MAJOR	-----	PP TEMP. CONSTRUCTION EASEMENT
-----	EX CONTOURS-MINOR	-----	PP EROSION CONTROL SILT FENCE
-----	EX EASEMENT	~~~~~	PP EROSION CONTROL EARTHEN BERM
(W)	EX WATER MANHOLE	-----	PP EROSION CONTROL BALES
(G)	EX GAS METER	-----	PP EROSION CONTROL LOG
⊙	EX UTILITY POLE	-----	PP WATER LINE FITTING
⊕	BORE HOLE	-----	PP WATER VALVE
●	ELEVATION	-----	PP HYDRANT ASSEMBLY (ISOLATION VALVE INCLUDED)



These drawings say 80%. Is there a more up to date version?

80% DESIGN



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, DECLARED 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

PARTICIPANTS

<p>OWNER WIDEFIELD WATER AND SANITATION DISTRICT 3495 FONTAINE BLVD COLORADO SPRINGS, CO 80925 CONTACT: ROBERT BANNISTER, PE PHONE: (719) 955-6118</p>	<p>CONSULTING/DESIGN ENGINEER JDS-HYDRO CONSULTANTS, INC. 5540 TECH CENTER DR, STE 100 COLORADO SPRINGS, CO 80903 CONTACT: GWEN DALL, PE PHONE: (719) 227-0072</p>
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SURVEY DATA

TOPOGRAPHY SURVEY CONDUCTED BY CLARK LAND SURVEYING (DATED 01/24/20). SEE SURVEY FOR ESTABLISHED CONTROL. THE FOLLOWING COORDINATE SYSTEM AND DATUM RECORD IS AS FOLLOWS:

HORIZONTAL DATUM: MODIFIED COLO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM 1983. SCALE FACTOR 1.000321070
 VERTICAL DATUM: BASED ON OPUS SOLUTION RAN ON CONTROL POINT #100 (3-1/2" BRASS CAP IN CONCRETE, "EL PASO CALIBRATION BASELINE" "2003"). ELEVATION=5815.45' (NAVD1988)

UTILITIES SHOWN WITHIN THE SURVEY HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION, EXISTING DRAWINGS AND/OR UTILITY LOCATE MARKINGS. THE SURVEYOR NOR ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR AND ENGINEER FURTHER DO NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE.

SIGNATURE BLOCKS

EL PASO COUNTY:

COUNTY PLAN REVIEW IS PROVIDED ONLY FOR GENERAL CONFORMANCE WITH COUNTY DESIGN CRITERIA. THE COUNTY IS NOT RESPONSIBLE FOR THE ACCURACY AND ADEQUACY OF THE DESIGN DIMENSIONS, AND/OR ELEVATIONS WHICH SHALL BE CONFIRMED AT THE JOB SITE. THE COUNTY THROUGH THE APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY FOR COMPLETENESS AND/OR ACCURACY OF THIS DOCUMENT.

FILED IN ACCORDANCE WITH THE REQUIREMENTS OF THE EL PASO COUNTY LAND DEVELOPMENT CODE, DRAINAGE CRITERIA MANUAL VOLUMES 1 AND 2, AND ENGINEERING CRITERIA MANUAL, AS AMENDED. IN ACCORDANCE WITH ECM SECTION 1.12, THESE CONSTRUCTION DOCUMENTS WILL BE VALID FOR CONSTRUCTION FOR A PERIOD OF 2 YEARS FROM THE DATE SIGNED BY THE EL PASO COUNTY ENGINEER. IF CONSTRUCTION HAS NOT STARTED WITHIN THOSE 2 YEARS, THE PLANS WILL NEED TO BE RESUBMITTED FOR APPROVAL, INCLUDING PAYMENT OF REVIEW FEES AT THE PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR'S DISCRETION.

JENNIFER E. IRVINE, P.E., COUNTY ENGINEER / ECM ADMINISTRATOR _____ DATE _____

DISTRICT APPROVALS
 THE WIDEFIELD 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: _____
 2019-829-2030
 CIP NO. _____

IN CASE OF ERRORS OR OMISSIONS WITH THE WATER DESIGN AS SHOWN ON THIS DOCUMENT, THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR CORRECTING THE DESIGN. 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.

ENGINEER'S STATEMENT:

Please remove this signature block as the site plan is approved by the director not the County Engineer.

Please add PCD File No. PPR216

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

THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATION 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 OTHER FEDERAL OR STATE ACCESSIBILITY LAWS OR ANY REGULATIONS OR GUIDELINES ENACTED OR PROMULGATED UNDER OR WITH RESPECT TO SUCH LAWS.

GWEN DALL, P.E. #51810 _____ DATE _____ PROJECT NO. 102.121
 JDS-HYDRO CONSULTANTS, INC.

GENERAL NOTES

1. ALL UTILITY CONSTRUCTION TO BE CONDUCTED IN CONFORMANCE WITH THE CURRENT WIDEFIELD WATER AND SANITATION DISTRICT SPECIFICATIONS. COMPACTION REQUIREMENTS SHALL BE 95% STANDARD PROCTOR AS DETERMINED BY ASTM D698, UNLESS OTHERWISE APPROVED BY THE WIDEFIELD WATER AND SANITATION DISTRICT OR A HIGHER STANDARD IS IMPOSED BY ANOTHER AGENCY HAVING RIGHT-OF-WAY JURISDICTION. CONTRACTOR IS ALSO REQUIRED TO COMPLY WITH THE REQUIREMENTS OF THE EL PASO COUNTY ENGINEERING CRITERIA MANUAL.
2. ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION BY THE WIDEFIELD WATER AND SANITATION DISTRICT. THE WIDEFIELD WATER AND SANITATION DISTRICT RESERVES THE RIGHT TO ACCEPT OR REJECT ANY SUCH MATERIALS AND WORKMANSHIP THAT DOES NOT CONFORM TO ITS STANDARDS AND SPECIFICATIONS. WIDEFIELD WATER AND SANITATION DISTRICT CONSTRUCTION SPECIFICATIONS MAY BE OBTAINED FROM THEIR WEBSITE: www.wwsdonline.com
3. ALL CARBON STEEL AND DUCTILE IRON PIPE, TO INCLUDE FITTINGS, VALVES AND FIRE HYDRANTS WILL BE WRAPPED WITH POLYETHYLENE TUBING, BONDED AT EACH JOINT AND ELECTRICALLY ISOLATED.
4. ALL CARBON STEEL AND 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.
5. PVC MAIN LINES SHALL BE INSTALLED WITH COATED NO. 12 TRACER WIRE.
6. THE CONTRACTOR IS REQUIRED TO NOTIFY THE WIDEFIELD WATER AND SANITATION DISTRICT A MINIMUM OF 48 HOURS AND A MAXIMUM OF 96 HOURS PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY WWSA A WEEK IN ADVANCE OF ANY REQUIRED BASIN OR UTILITY SHUTDOWNS.
7. THE LOCATION OF ALL UTILITIES AS SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY. THE LOCATION OF ALL UTILITIES SHALL BE VERIFIED PRIOR TO CONSTRUCTION BY THE CONTRACTOR.
8. THE CONTRACTOR SHALL FIELD EXCAVATE AND VERIFY THE VERTICAL AND HORIZONTAL LOCATION OF ALL TIE-INS. CONTRACTOR SHALL NOTIFY THE WIDEFIELD WATER AND SANITATION DISTRICT AND THE ENGINEER OF THE FIELD VERIFIED INFORMATION PRIOR TO CONSTRUCTION.
9. ALL BENDS SHALL BE FIELD STAKED PRIOR TO CONSTRUCTION.
10. ANY WATER UTILITY MATERIAL REMOVED AND NOT REUSED SHALL BE RETURNED TO THE WIDEFIELD WATER AND SANITATION DISTRICT IF THE DISTRICT SO REQUESTS.
11. 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 WIDEFIELD WATER AND SANITATION DISTRICT AT FULL COST OF LABOR AND MATERIALS TO THE CONTRACTOR.
12. CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING EFFORTS. ANY PUMPING OR BYPASS OPERATIONS MUST BE REVIEWED AND APPROVED PRIOR TO EXECUTION BY BOTH THE WIDEFIELD WATER AND SANITATION DISTRICT AND THE ENGINEER.
13. 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.
14. ALL SITE UTILITIES AND IMPROVEMENTS SHALL HAVE AS "AS-BUILT" PLANS PREPARED AND APPROVED PRIOR TO FINAL ACCEPTANCE BY THE WIDEFIELD WATER AND SANITATION DISTRICT.
15. PRIOR TO CONSTRUCTION, A PRE-CONSTRUCTION CONFERENCE IS REQUIRED A MINIMUM OF 72 HOURS IN ADVANCE OF COMMENCEMENT OF WORK.
16. EL PASO COUNTY STORMWATER AND/OR EROSION CONTROL PERMITS, CDPHE STORMWATER CONSTRUCTION ACTIVITY AND DEWATERING PERMITS, AND CITY OF COLORADO SPRINGS WORK IN THE R.O.W. PERMIT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN PRIOR TO CONSTRUCTION.
17. ALL MAIN LINES (PVC AND DUCTILE IRON) SHALL BE INSTALLED WITH COATED NO. 12 TRACER WIRE WITH TEST STATIONS EVERY 500 FT.
18. AERIAL BASEMAP IMAGERY, IF DEPICTED HEREIN, IS NOT TO SCALE AND IS SHOWN FOR CONCEPTUAL REFERENCE ONLY.
19. SEE WIDEFIELD WATER AND WASTEWATER SYSTEM STANDARD SPECIFICATIONS FOR ALL GENERAL AND DESIGN STANDARDS/CIVIL DRAWINGS DETAILS.
20. WATER MAIN INSTALLATION:
THE UNIT PRICE SHALL INCLUDE ALL PIPE, PIPE INSTALLATION, TRENCHING, STABILIZATION, AND BEDDING AS SHOWN ON THE TYPICAL DETAIL, DEWATERING, BACKFILL, TRACER WIRE, COMPACTION, CLEAN-UP, REVEGETATION, FLUSHING, TESTING, GRADING AND ALL WORK INCIDENTAL THERTO TO COMPLETE THE WORK AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN.
21. CONTRACTOR IS TO COORDINATE WITH THE RANCHER WHO RUNS CATTLE ON THE PROPERTY TO ENSURE NO CATTLE ARE HARMED DURING CONSTRUCTION.
22. NO WATER FACILITY SHALL BE PLACED IN SERVICE UNTIL AFTER COMPLETION OF ALL PRESSURE TESTING, DISINFECTION, AND COMPACTION TESTING.
23. SUBSURFACE UTILITY ENGINEERING
23.1. UTILITIES ARE DEPICTED ON THESE PLANS IN ACCORDANCE WITH THEIR ACHIEVED "QUALITY LEVELS" AS DEFINED IN THE AMERICAN SOCIETY OF CIVIL ENGINEER'S DOCUMENT ASCE 38, "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."
23.2. RELIANCE UPON THESE DATA FOR RISK MANAGEMENT PURPOSES DURING BIDDING DOES NOT RELIEVE THE EXCAVATOR OR UTILITY OWNER FROM FOLLOWING ALL APPLICABLE UTILITY DAMAGE PREVENTION STATUTES, POLICIES, AND/OR PROCEDURES DURING EXCAVATION. IT IS IMPORTANT THAT THE CONTRACTOR INVESTIGATES AND UNDERSTANDS THE SCOPE OF WORK BETWEEN THE PROJECT OWNER AND THEIR ENGINEER REGARDING THE SCOPE AND LIMITS OF THE UTILITY INVESTIGATIONS LEADING TO THESE UTILITY DEPICTIONS.
24. DISINFECTION OF FACILITIES
24.1. THE CONTRACTOR SHALL DISINFECT ALL DOMESTIC WATER LINES ACCORDING TO AWWA C651-14 AND TANK ACCORDING TO AWWA C652-11.
24.2. THE CONTRACTOR SHALL COLLECT SAMPLES FROM THE PIPELINE AND TANK AFTER FINAL FLUSHING AND PRIOR TO PLACING FACILITIES IN SERVICE AND TEST FOR COLIFORM ORGANISMS. THE NUMBER AND FREQUENCY OF SAMPLES SHALL CONFORM WITH THE REQUIREMENTS OF THE PUBLIC HEALTH AGENCY HAVING JURISDICTION.
24.3. REPEAT DISINFECTION UNTIL SATISFACTORY SAMPLES HAVE BEEN OBTAINED IF INITIAL OR SUBSEQUENT DISINFECTION FAILS TO PRODUCE SATISFACTORY SAMPLES

SHEET INDEX

SHEET NUMBER	DESCRIPTION	SHEET NUMBER	DESCRIPTION
	COVER SHEET		
<u>GENERAL</u>		<u>STRUCTURAL</u>	
G1	GENERAL NOTES	S1	STRUCTURAL NOTES
G2	HYDRAULIC PROFILE/PROCESS FLOW DIAGRAM	S2	FLOOR APPURTENANCE LAYOUT
G3	FEMA FLOODPLAIN MAP	S3	DOVE APPURTENANCE LAYOUT
		S4	TANK SECTION
		S5	STRUCTURAL DETAILS
		S6	STRUCTURAL DETAILS
		S7	STRUCTURAL DETAILS
		S8	STRUCTURAL DETAILS
		S9	STRUCTURAL DETAILS
		S10	STRUCTURAL DETAILS
		S11	STRUCTURAL DETAILS
<u>CIVIL</u>			
C1	VICINITY MAP		
C2	OVERALL SITE PLAN		
C3	SITE DEVELOPMENT PLAN		
C4	TANK INLET & DRAIN PLAN & PROFILE		
C5	TANK CIVIL DETAILS		
C6	TANK CIVIL DETAILS		
C7	ACCESS ROAD PLAN & SECTION VIEW		
C8	ACCESS ROAD CIVIL DETAILS		
C9	DRAINAGE BASIN PLAN & PROFILE		
C10	DRAINAGE BASIN CIVIL DETAILS		
C11	GRADING & EROSION CONTROL PLAN		
C12	GRADING & EROSION CONTROL NOTES		
C13	GRADING & EROSION CONTROL DETAILS		
C14	GRADING & EROSION CONTROL DETAILS		
C15	GRADING & EROSION CONTROL DETAILS		
C16	LANDSCAPE PLAN		
C17	LANDSCAPE DETAILS		
C18	LANDSCAPE NOTES		

ABBREVIATIONS

WWSA VA PPNC RHBPS SDS PP EX SCH STA FNPT MNPT FL FH TB MJ BV GV SOV RED	WIDEFIELD WATER AND SANITATION DISTRICT VETERANS AFFAIRS PIKES PEAK NATIONAL CEMETERY ROLLING HILLS BOOSTER PUMP STATION SOUTHERN DELIVERY SYSTEM PROPOSED EXISTING SCHEDULE STATION FEMALE NATIONAL PIPE THREAD MALE NATIONAL PIPE THREAD FLANGE FIRE HYDRANT THRUST BLOCK MECHANICAL JOINT BUTTERFLY VALVE GATE VALVE SIDE OPERATED VALVE REDUCER
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WIDEFIELD WATER AND SANITATION DISTRICT

ROLLING HILLS 2MG POTABLE WATER TANK

GENERAL NOTES

JDS-HYDRO CONSULTANTS, INC.
 5440 TECH CENTER DR., SUITE 100
 COLORADO SPRINGS, COLORADO 80919
 (719) 227-0072

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REVISIONS	NO.	DESCRIPTION	BY	APP.	DATE
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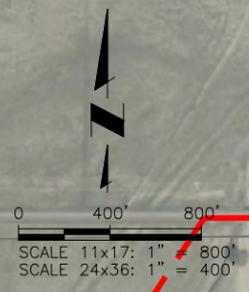
80% DESIGN

Project No.: 102.121
 Date: 02/05/21
 Design: GJD
 Drawn: SNW
 Check: JPM

G1

SHEET 1 OF 32

2021/02/05 2:56 PM By: Shelby West J:\JDS-Hydro\Project Files\102 Widfield Water And San\102.121 Rolling Hills Tank\Drawings\Exhibits\102121_Tank_Site.dwg



ADJACENT PROPERTY
SCHEDULE #: 540000150
OWNER: COLORADO CENTRE METRO DISTRICT
LOCATION: DRENNAN RD

ADJACENT PROPERTY
SCHEDULE #: 540000253
OWNER: BLH NO 1 LLC
LOCATION: DRENNAN RD

ADJACENT PROPERTY
SCHEDULE #: 5436001028
OWNER: WESLEY & ANGELA GUIER
LOCATION: 3475 LONE FEATHER DR

ADJACENT PROPERTY
SCHEDULE #: 540000254
OWNER: BLH NO 1 LLC
LOCATION: DRENNAN RD

ADJACENT PROPERTY
SCHEDULE #: 4500000111
OWNER: ELLICOTT FIRE PROTECTION DIST
LOCATION: 3525 S MERIDIAN RD

ADJACENT PROPERTY
SCHEDULE #: 5436003026
OWNER: LONNIE & PATRICIA COLE
LOCATION: 3420 LONE FEATHER DR

ADJACENT PROPERTY
SCHEDULE #: 5436003025
OWNER: LONNIE & PATRICIA COLE
LOCATION: 3480 LONE FEATHER DR

ADJACENT PROPERTY
SCHEDULE #: 4500000110
OWNER: JOSEPH SR & DEE GRAVES
LOCATION: 3875 HAMMER RANCH RD

WIDFIELD WATER AND SANITATION DISTRICT SERVICE AREA BOUNDARY

TANK SITE
EASEMENT - 3.472 ACRES

ADJACENT PROPERTY
SCHEDULE #: 4500000115
OWNER: ANN RUSH
LOCATION: 3870 HAMMER RANCH RD

ADJACENT PROPERTY
SCHEDULE #: 5500000384
OWNER: UNITED STATES OF AMERICA
LOCATION: 10545 DRENNAN RD

PARCEL CONTAINING EASEMENT FOR SITE
SCHEDULE #: 5500000385
OWNER: MURRAY FOUNTAIN, LLC
LOCATION: 01-15-65

ADJACENT PROPERTY
SCHEDULE #: 4500000088
OWNER: JOAN TEAKELL
LOCATION: 3955 S MERIDIAN RD

ADJACENT PROPERTY
SCHEDULE #: 5500000408
OWNER: BLH NO 2 LLC
LOCATION: 10783 BRADLEY RD

ADJACENT PROPERTY
SCHEDULE #: 4500000095
OWNER: RICKY & TRACY EDWARDS
LOCATION: 4343 S MERIDIAN RD

SEC 2, T15S, R65W
SEC 11, T15S, R65W

SEC 12, T15S, R65W
SEC 11, T15S, R65W

BRADLEY ROAD

ADJACENT PROPERTY
SCHEDULE #: 5500000324
OWNER: BULL HILL LLC
LOCATION: 12-15-65

ADJACENT PROPERTY
SCHEDULE #: 4500000125
OWNER: BJ RANCHES LLC
LOCATION: BRADLEY RD

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WIDFIELD WATER AND SANITATION DISTRICT
 ROLLING HILLS 2MG POTABLE WATER TANK
 VICINITY MAP

NO.	DESCRIPTION	BY	APP.	DATE
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80% DESIGN

Project No.: 102.121
 Date: 02/05/21
 Design: GJD
 Drawn: SNW
 Check: JPM



- NOTE:
1. AERIAL IMAGERY IS NOT ACCURATELY SCALED AND SHOULD BE UTILIZED FOR REFERENCE ONLY. (SOURCE: CITE IMAGE DATE HERE IF AVAILABLE)
 2. VERTICAL AND HORIZONTAL DATUM IS MODIFIED STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NORTH AMERICAN DATUM, 1983.

SCHEDULE #: 5500000385
 OWNER: MURRAY FOUNTAIN LLC
 LOCATION: 01-15-65

Please identify what the easement is for such as access easement. Please revise any other easements shown on the plans that do not have a designation.



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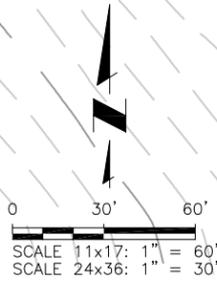
WIDEFIELD WATER AND SANITATION DISTRICT
 ROLLING HILLS 2MG POTABLE WATER TANK
 OVERALL SITE PLAN

NO.	DESCRIPTION	BY	APP.	DATE
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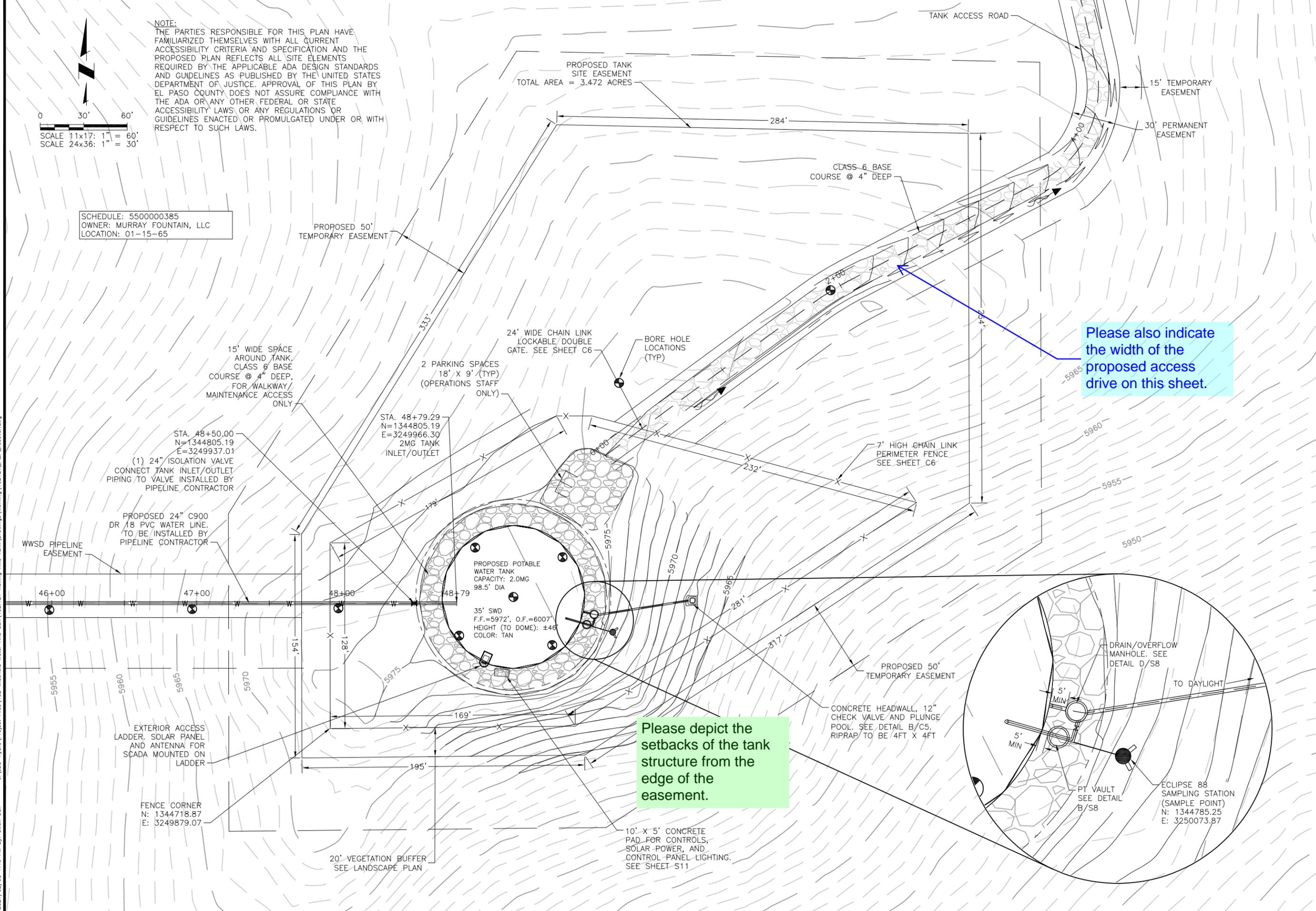
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NOTE:
 THE PARTIES RESPONSIBLE FOR THIS PLAN HAVE FAMILIARIZED THEMSELVES WITH ALL CURRENT ACCESSIBILITY CRITERIA AND SPECIFICATION AND THE PROPOSED PLAN REFLECTS ALL SITE ELEMENTS REQUIRED BY THE APPLICABLE ADA DESIGN STANDARDS AND GUIDELINES AS PUBLISHED BY THE UNITED STATES DEPARTMENT OF JUSTICE. APPROVAL OF THIS PLAN BY EL PASO COUNTY DOES NOT ASSURE COMPLIANCE WITH THE ADA OR ANY OTHER FEDERAL OR STATE ACCESSIBILITY LAWS OR ANY REGULATIONS OR GUIDELINES ENACTED OR PROMULGATED UNDER OR WITH RESPECT TO SUCH LAWS.

SCHEDULE: 5500000385
 OWNER: MURRAY FOUNTAIN, LLC
 LOCATION: 01-15-65

J:\JDS-Hydro\Project Files\102 Widefield Water And San\102.121 Rolling Hills Tank Drawings\Working\102121_F&P_recover.dwg 2021/02/08 1:46 PM By: Gwen Dall



Please also indicate the width of the proposed access drive on this sheet.

Please depict the setbacks of the tank structure from the edge of the easement.

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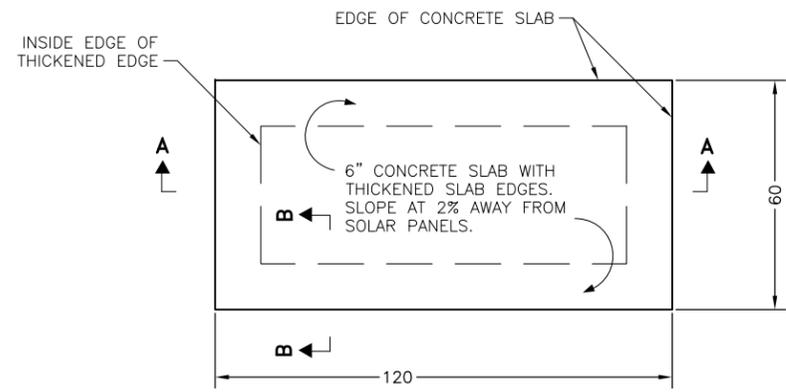
WIDEFIELD WATER AND SANITATION DISTRICT
 ROLLING HILLS 2MG POTABLE WATER TANK
 SITE DEVELOPMENT PLAN

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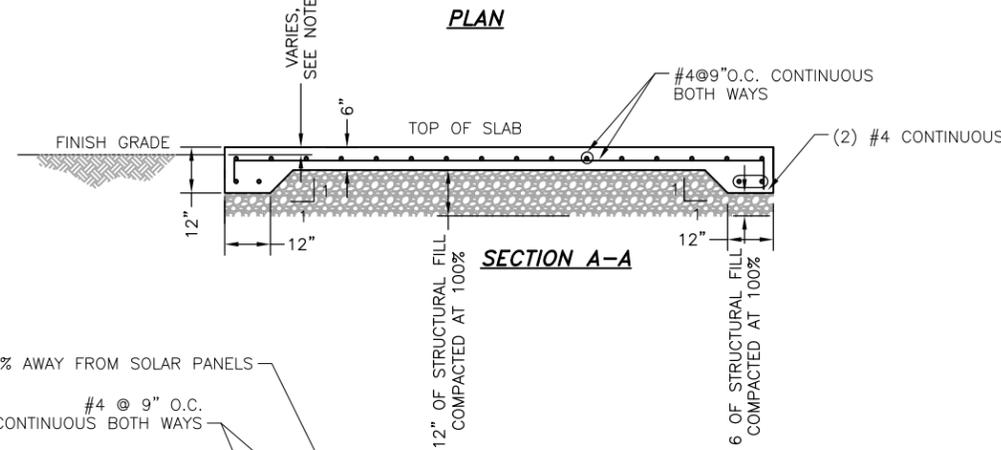
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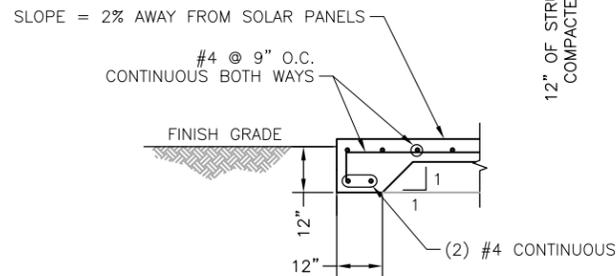
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 SHEET 6 OF 32



PLAN

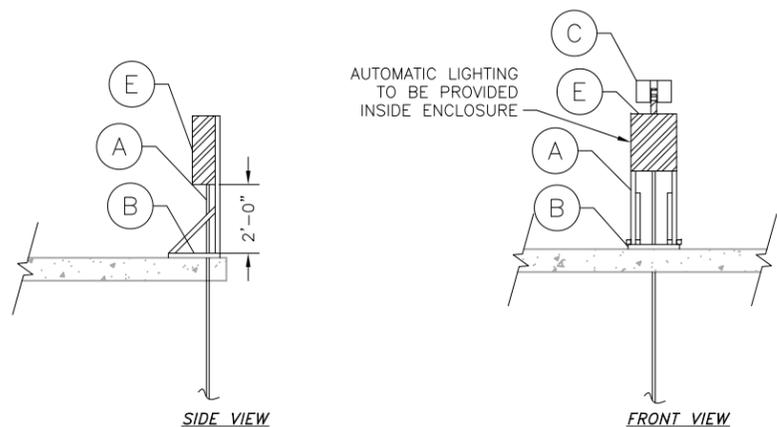


SECTION A-A



SECTION B-B

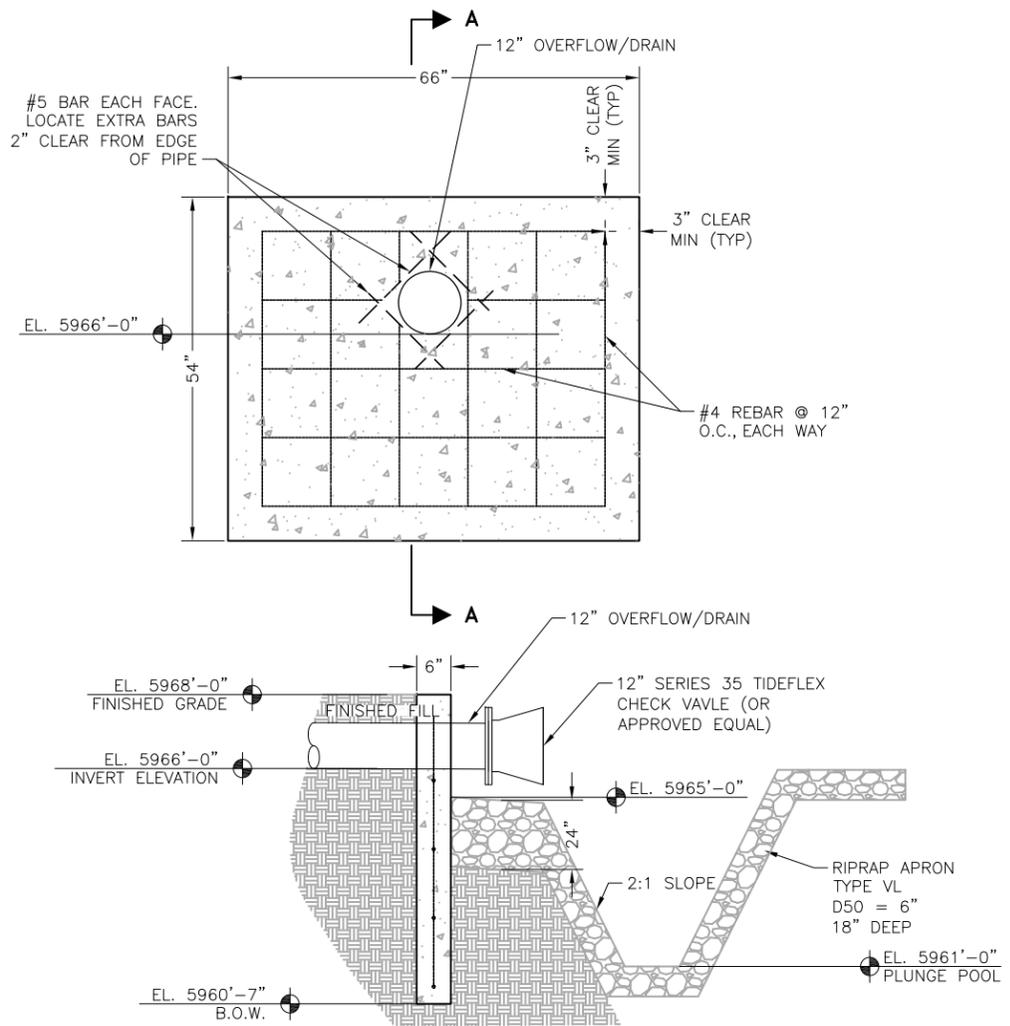
A ELECTRICAL AND CONTROLS PAD DETAIL
SCALE: 1/4" = 1'-0"



SIDE VIEW

FRONT VIEW

C SOLAR PANEL/RTU
SCALE: N.T.S.



SECTION A-A

B CONCRETE HEADWALL AND PLUNGE POOL
SCALE: N.T.S.

SOLAR PANEL/RTU SCHEDULE	
A	1" ELECTRICAL CONDUIT
B	1-3/8" 12 GAUGE UNISTRUT STANCHION
C	SOLAR PANEL INCLUDING BATTERY AND CHARGE CONTROLLER
D	ANTENNA - TO BE MOUNTED ON TANK LADDER
E	NEMA TYPE 4 ENCLOSURE WITH MOUNTING PANEL

NOTE:
SOLAR PANEL AND ANTENNA TO BE MOUNTED ON TOP OF TANK ON LADDER/HANDRAIL

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ROLLING HILLS 2MG POTABLE WATER TANK
TANK CIVIL DETAILS

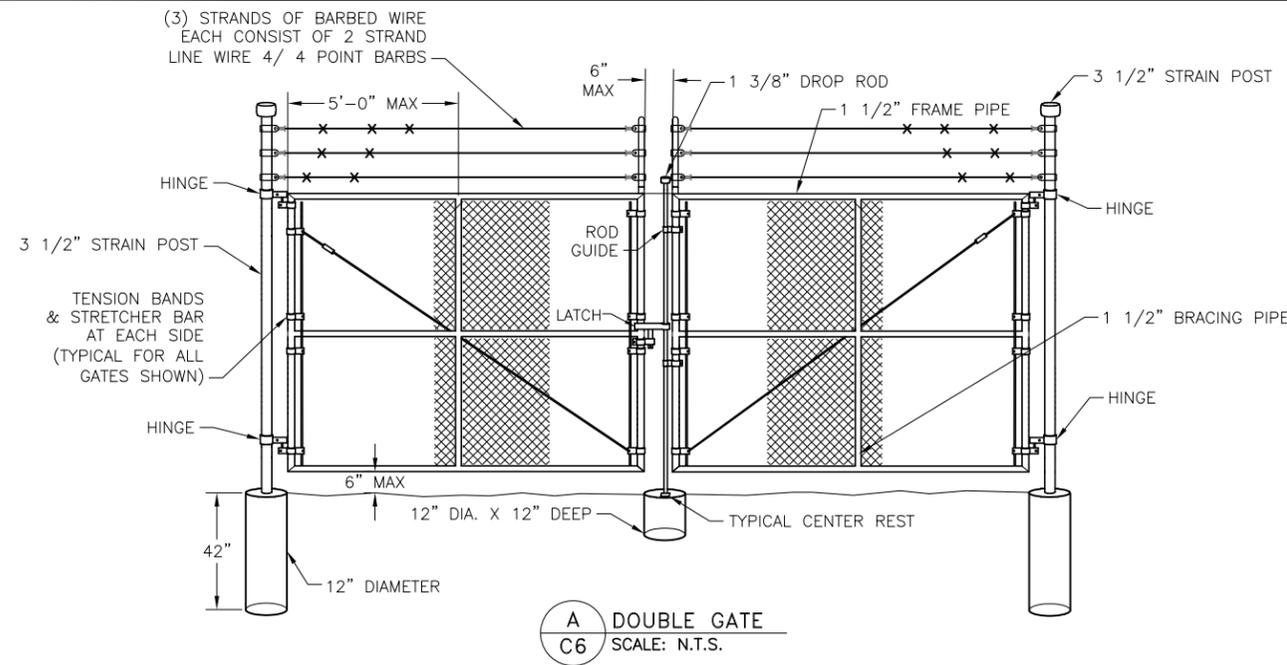
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80% DESIGN

Project No.: 102.121
Date: 02/05/21
Design: GJD
Drawn: SNW
Check: JPM

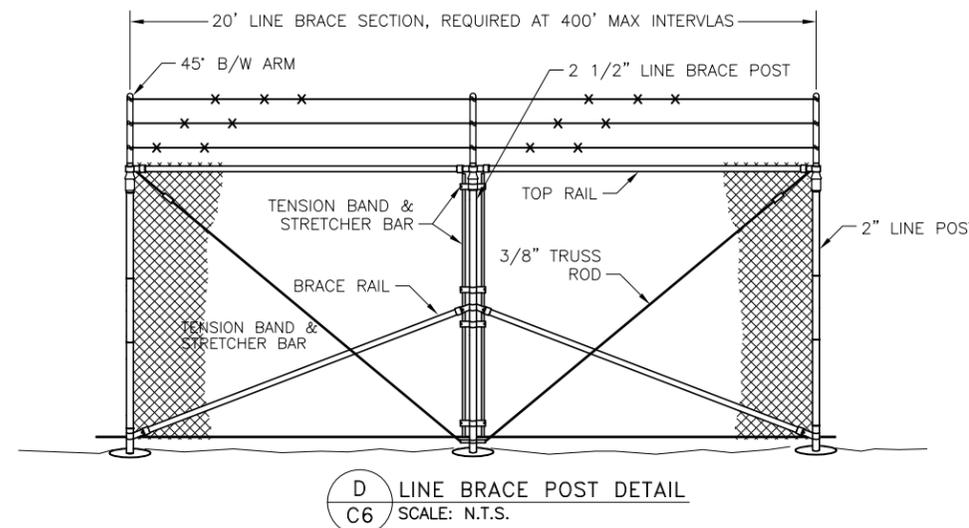
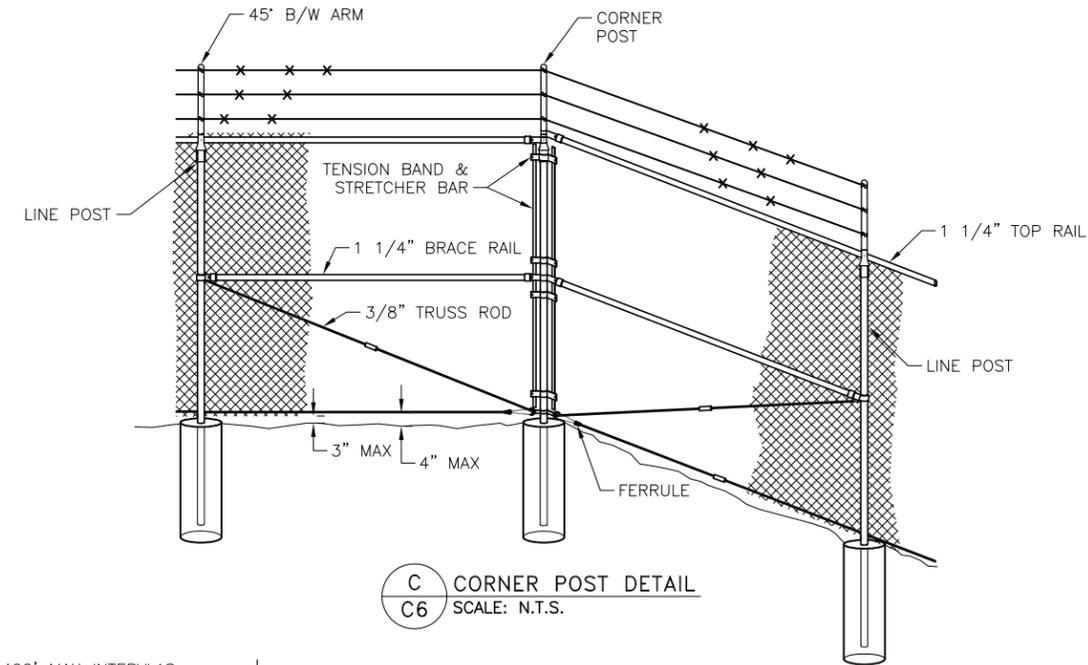
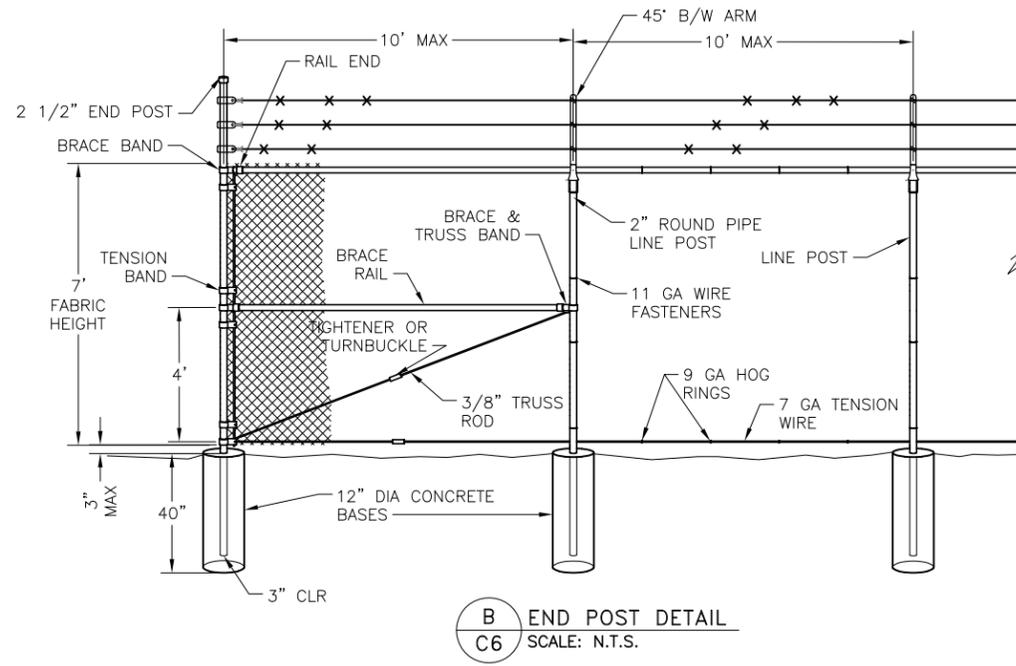
C5
SHEET 8 OF 32

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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 AND GATE STRUCTURES AT 12" INTERVALS VERTICALLY AND AT 20" HORIZONTALLY.



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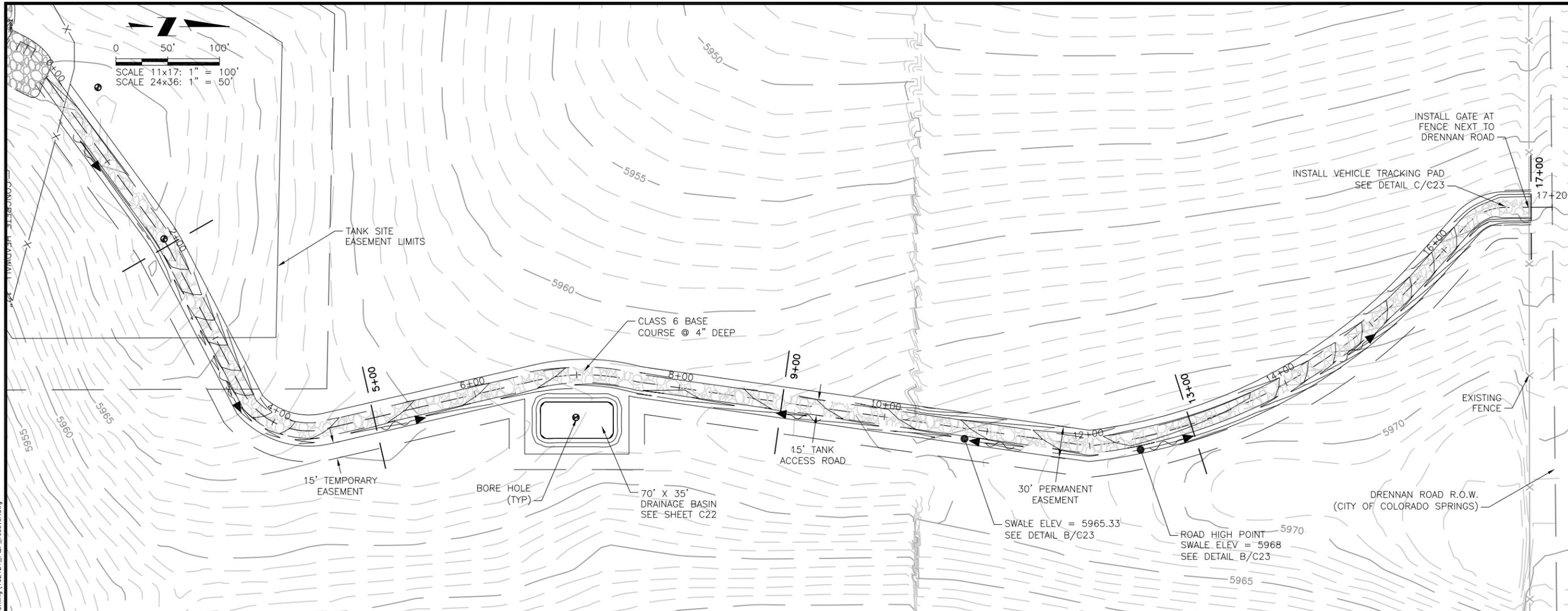
WIDFIELD WATER AND SANITATION DISTRICT
 ROLLING HILLS 2MG POTABLE WATER TANK
 TANK CIVIL DETAILS

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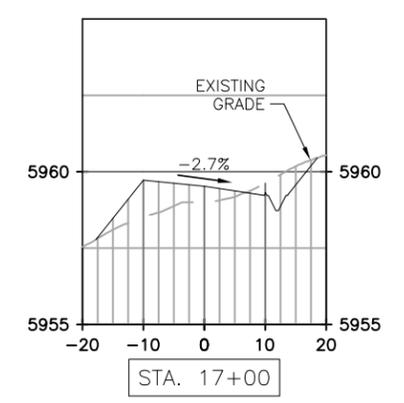
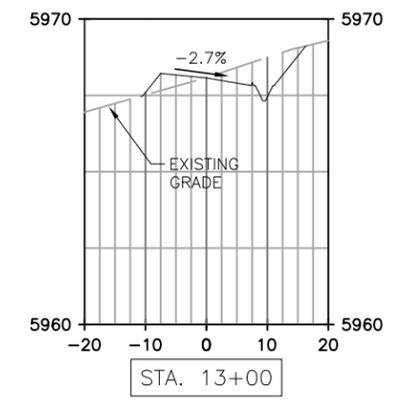
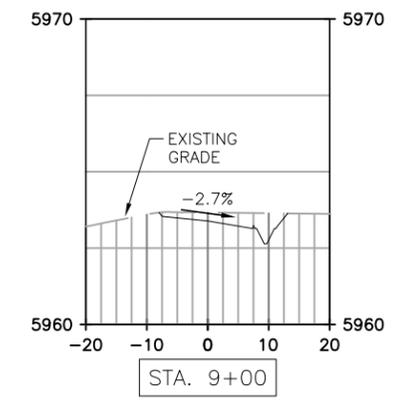
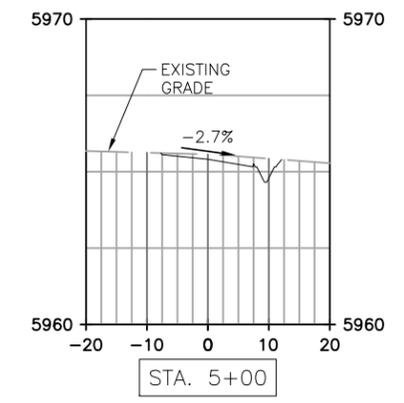
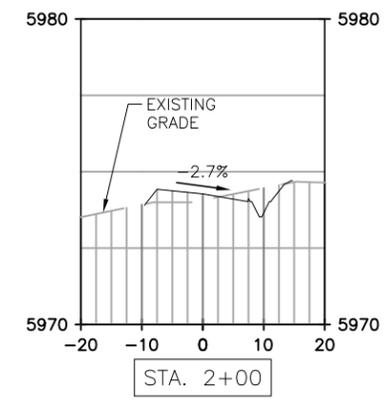


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WIDFIELD WATER AND SANITATION DISTRICT
 ROLLING HILLS 2MG POTABLE WATER TANK
 ACCESS ROAD PLAN AND SECTION VIEW

Pages C7 through C10 should be removed from the Site Development plan set as it is included with the grading erosion control plan.

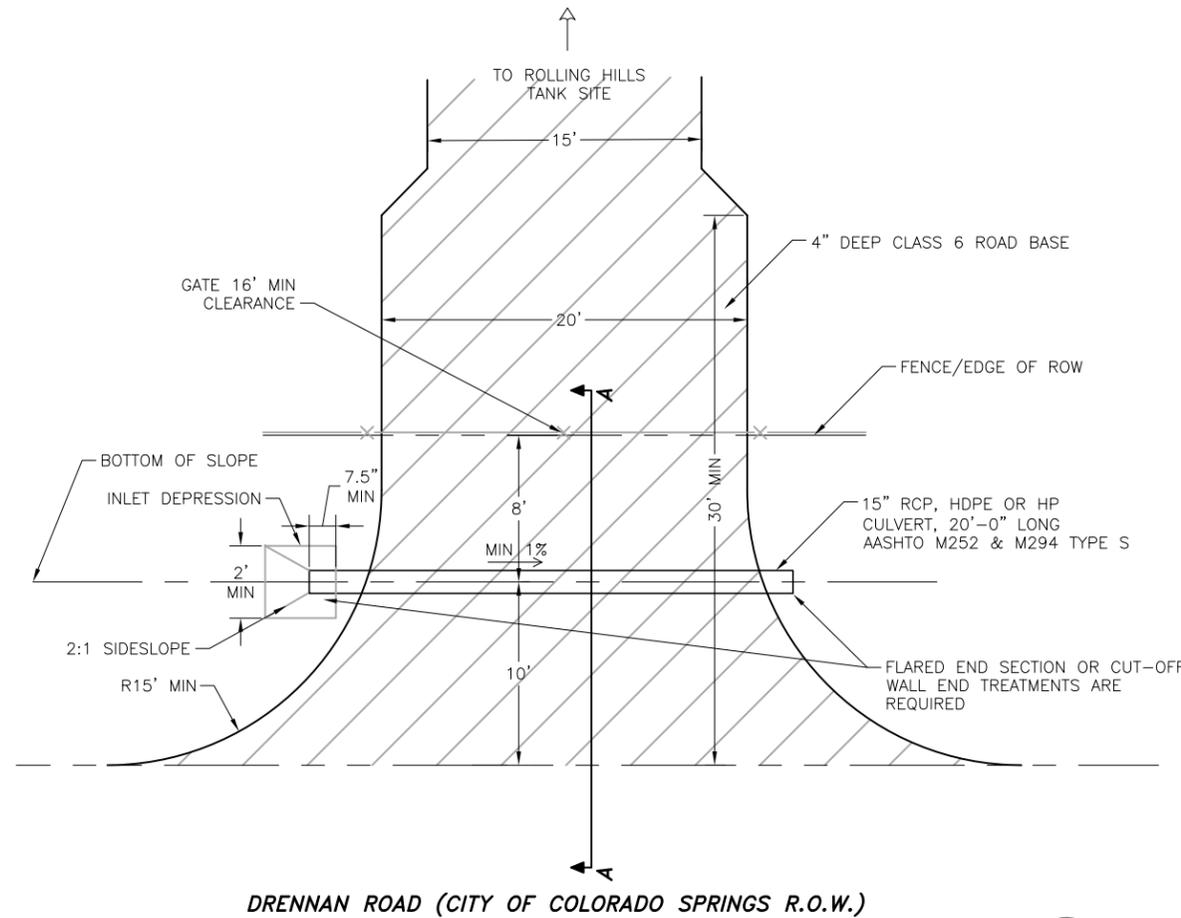


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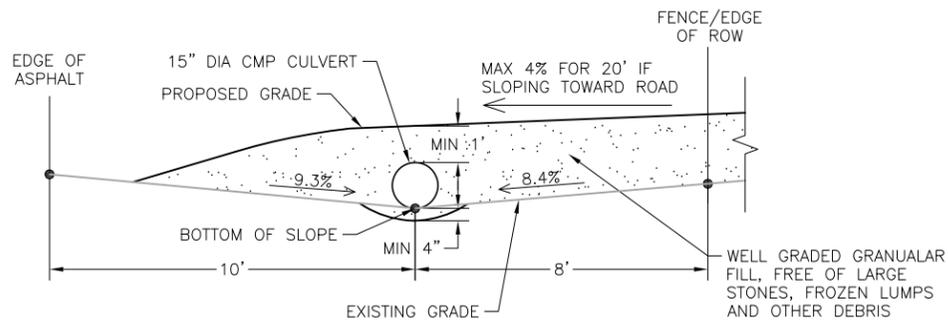
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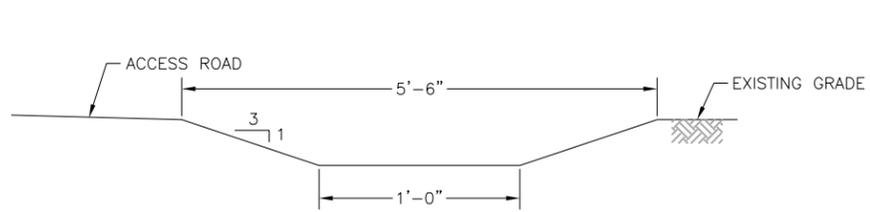


A DRIVEWAY ACCESS ROAD
C8 SCALE: N.T.S.

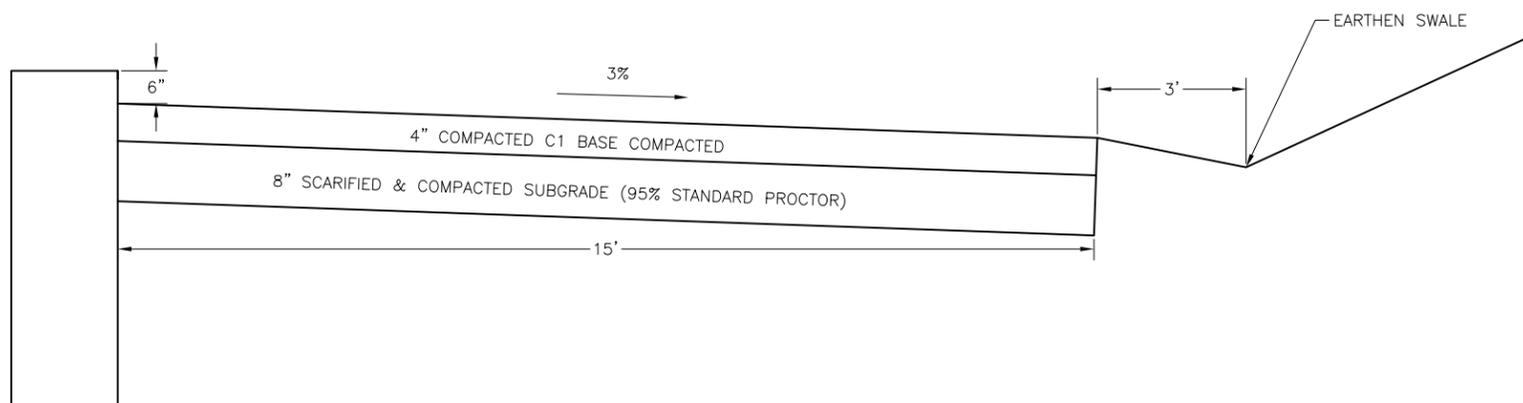


SECTION A-A
SCALE: N.T.S.

- NOTES:**
1. SURFACE TREATMENT OF DRIVEWAY TO BE CLASS 6 ROAD BASE AT 4" DEEP.
 2. DRAIN PIPE TO BE 15" DIAMETER MINIMUM.
 3. PIPE SLOPE TO BE CONSISTANT WITH FLOW LINE OF DITCH, MINIMUM OF 1%.
 4. BACKFILL TO BE PLACED IN 6" LAYERS, DEPOSITED AND COMPACTED ON ALTERNATING SIDES OF THE PIPE.
 5. MEASUREMENTS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO COMMENCING CONSTRUCTION.



B TYPICAL GRASS SWALE SECTION
C8 SCALE: N.T.S.



C TANK MAINTENANCE ROAD
C8 SCALE: N.T.S.

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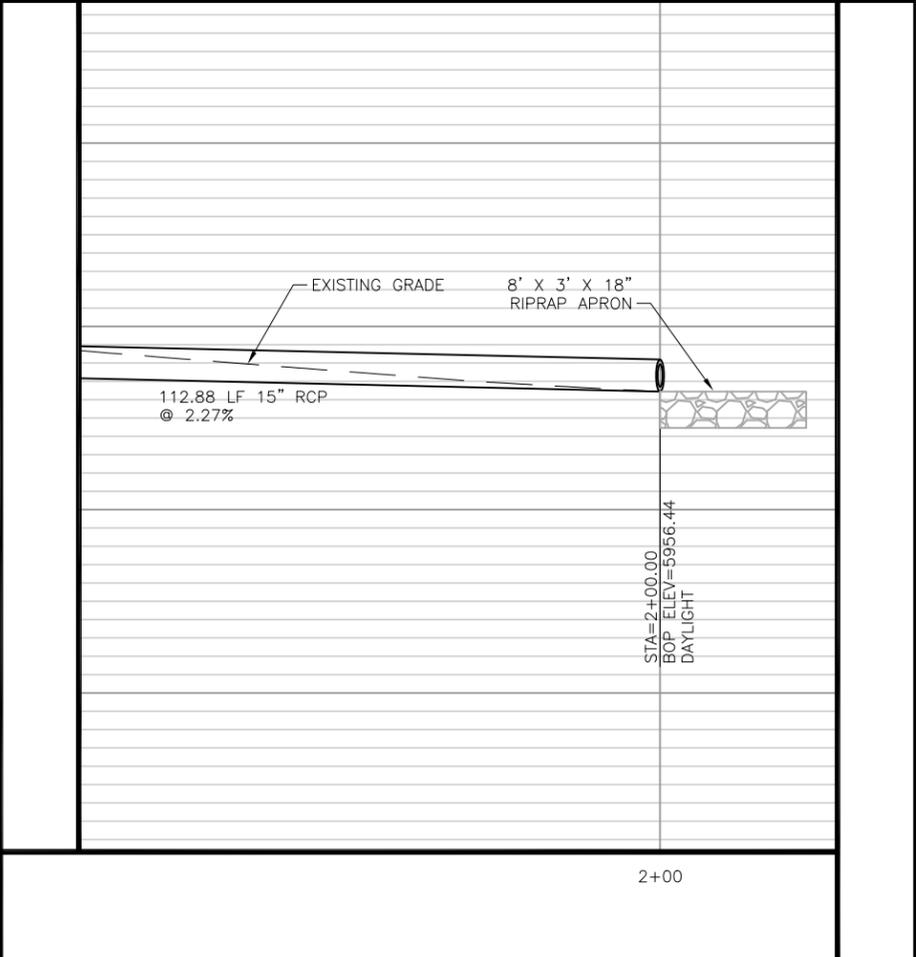
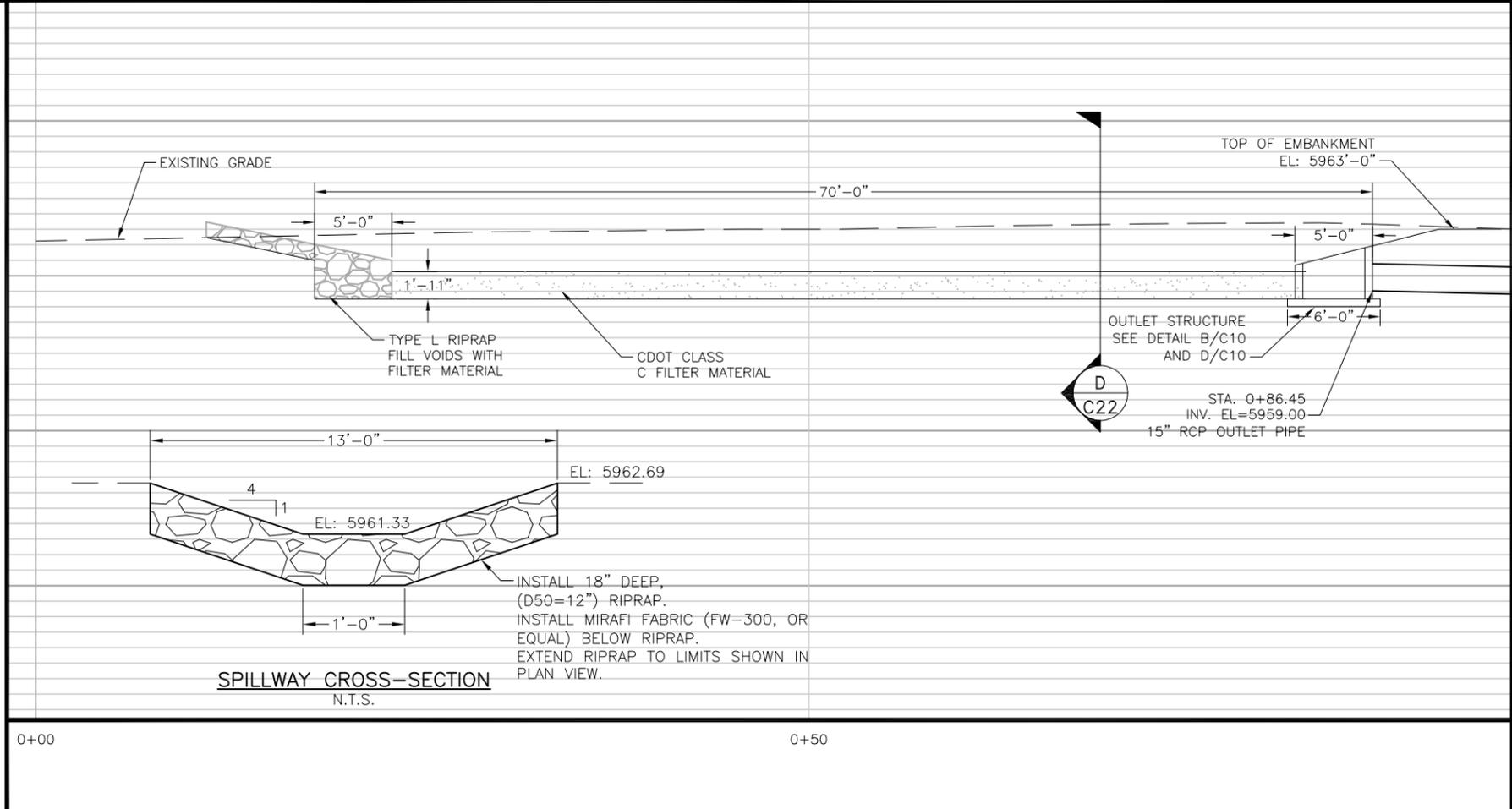
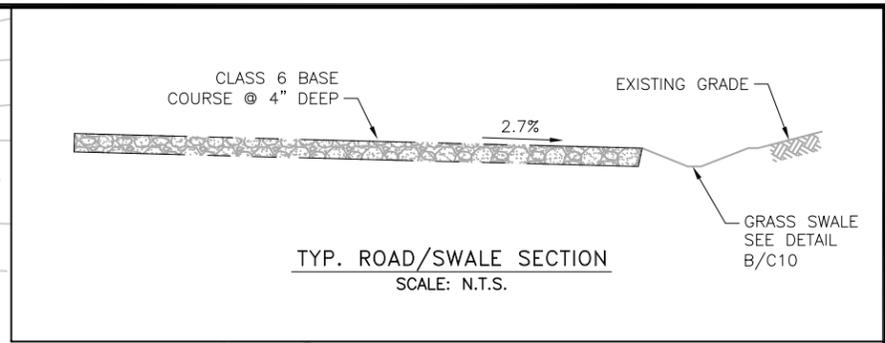
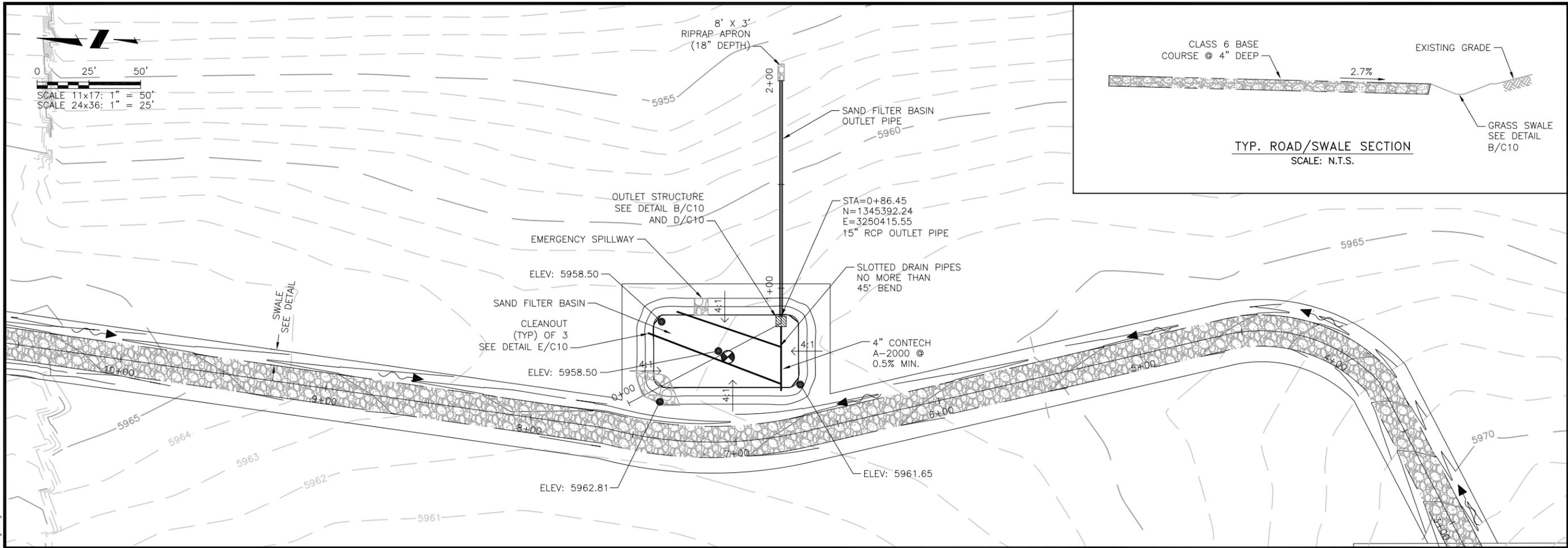
WIDEFIELD WATER AND SANITATION DISTRICT
ROLLING HILLS 2MG POTABLE WATER TANK
ACCESS ROAD CIVIL DETAILS

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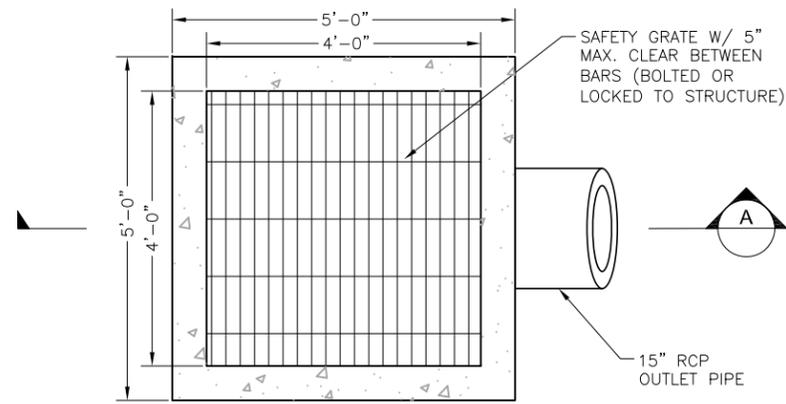
WIDEFIELD WATER AND SANITATION DISTRICT
 ROLLING HILLS 2MG POTABLE WATER TANK
 DRAINAGE BASIN PLAN AND PROFILE

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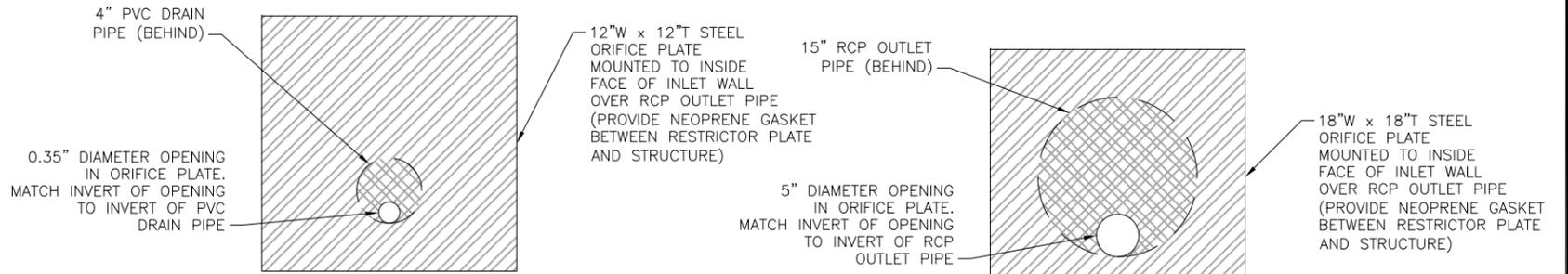
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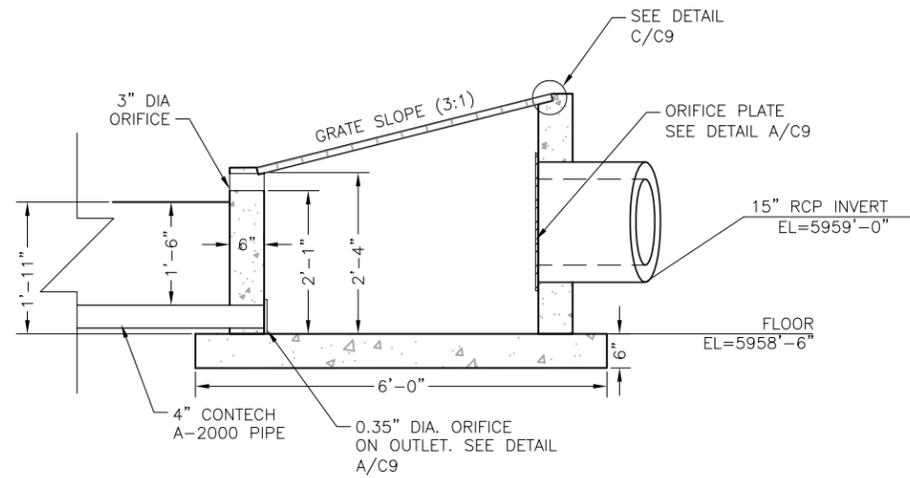
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PLAN

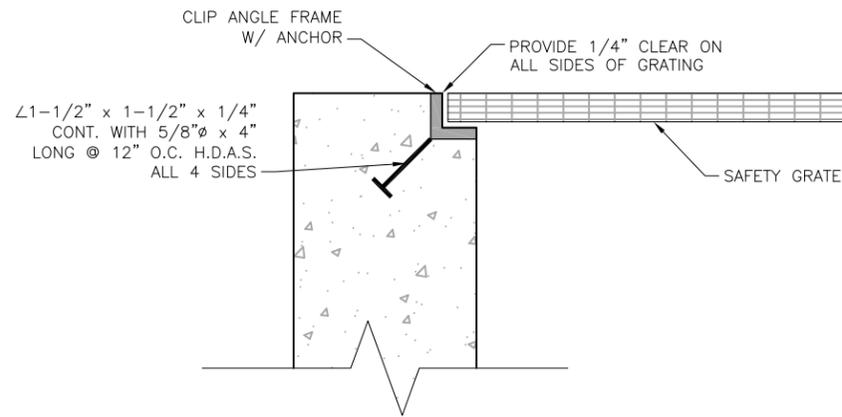


A ORIFICE PLATES
SCALE: N.T.S.

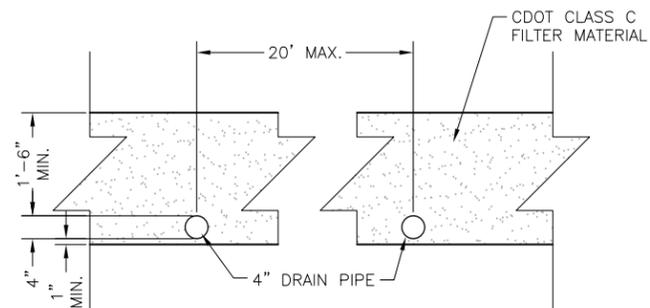


SECTION A

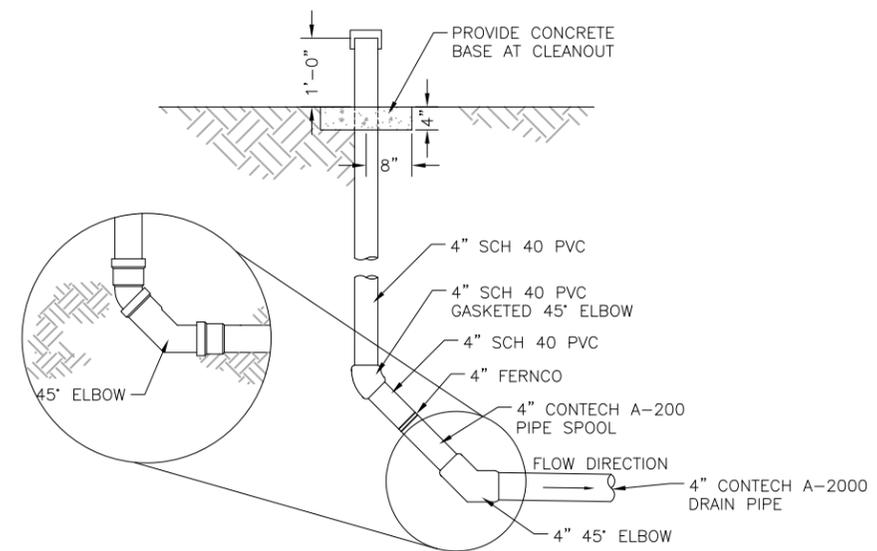
B OUTLET STRUCTURE
SCALE: 3/8" = 1'-0"



C GRATING DETAIL
SCALE: N.T.S.



D DRAINAGE BASIN SECTION (SEE SHEET C6)
SCALE: 3/8" = 1'-0"



E CLEANOUT
SCALE: N.T.S.

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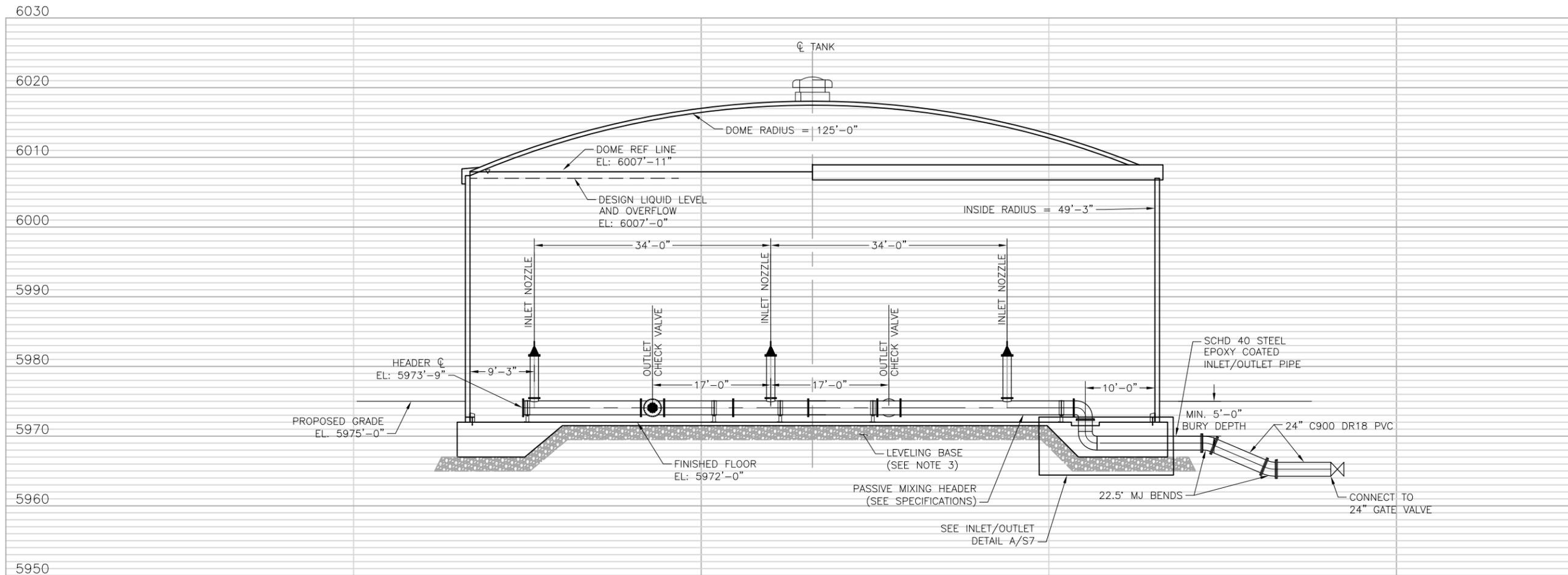
WIDFIELD WATER AND SANITATION DISTRICT
ROLLING HILLS 2MG POTABLE WATER TANK
DRAINAGE BASIN CIVIL DETAILS

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A TANK SECTION A
S4 SCALE: 1/16" = 1'-0"

NOTES:

1. REFER TO CONTRACT DOCUMENTS FOR INFORMATION CONCERNING TANK BASE PREPARATION, BACKFILLING, AND SITE GRADING.
2. GEOTECHNICAL ENGINEER MUST INSPECT AND EVALUATE THE SUB-GRADE PRIOR TO PLACEMENT OF LEVELING BASE TO CONFIRM MINIMUM DESIGN CRITERIA IS BEING MET.
3. LEVELING BASE SHALL CONSIST OF 12 INCHES OF IMPORTED, CRUSHED STONE MEETING NO. 57 CONCRETE AGGREGATE PER TABLE 703-1 CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2019, OR CLASS 5 OR 6 AGGRAGATE BASE COURSE PER TABLE 703-2 CDOT STANDARD SPECIFICATIONS, 2019. LEVELING BASE SHALL EXTEND A MINIMUM OF 48 INCHES BEYOND EDGE OF FOOTINGS.
4. REFER TO TANK & PIPING SECTION DRAWINGS IN CIVIL SHEETS AND STRUCTURAL DETAIL SHEETS FOR BURIED PIPE PENETRATIONS.
5. REFER TO SPECIFICATIONS FOR HYDRODYNAMIC MIXING SYSTEM INFORMATION.

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