

Gwen Dall

From: Mark Stanwood <markstanwood32@gmail.com>
Sent: Wednesday, July 14, 2021 10:41 AM
To: Gwen Dall
Subject: Re: WWSD Rolling Hills Tank - Emergency phone numbers, onsite meeting?

Gwen,
911 is the best way to contact the emergency services. Yes please send me an invite to the Monday meeting.

This is what I was looking for in the way of comments:

- They request that the first 30 feet of the interim access road to the tank be 20 feet wide, then the planned 15 feet wide thereafter.
- They request that site access gate be 16 feet wide
- He requested a fire hydrant on the tank site. On this one, I explained that pressures on-site will be extremely low as it is directly next to the tank. While we could put one there, I discouraged that idea since it would be relatively un-productive.
- He pointed out that Colorado Springs is the confined space emergency responder in this area. We could make a note accordingly in the specs.
- He indicated that if a fuel tank is placed at the site during construction, it must be less than 660 gallons. Again, we could make a note accordingly in the specs.
- Last, he was hoping for a functional fire hydrant access in the area. I pointed out that we already have a functioning hydrant on the north side of Bradley Road just east of the SDS Access Road to the Bradley Pump Station. This one is off a 12 inch line, and would be reasonably accessible. Obviously this one is currently off the much lower interim tank at VA, but once the proposed new Rolling Hills Tank is in place, this hydrant will have substantial pressure and substantial storage. I don't believe they were aware that Widefield is already in the area.

Mark Stanwood

John P. McGinn, P. E.

JDS-Hydro Consultants, Inc.

5540 Tech Center Drive, Suite 100

Colorado Springs, CO 80919

Gwen Dall

From: Gwen Dall
Sent: Wednesday, July 14, 2021 8:53 AM
To: Mark Stanwood
Subject: FW: Ellicott Fire comments on Rolling Hills Tank
Attachments: 2_303_1041_Responses.pdf; Extracted pages from 102121_Tank_Full Set_020821.pdf

From: Gwen Dall
Sent: Tuesday, February 9, 2021 4:24 PM
To: Mark Stanwood <markstanwood32@gmail.com>
Subject: RE: Ellicott Fire comments on Rolling Hills Tank

Mark,

I did review your comments and did upsize the first 30 ft of my access road to the tank to 20 ft wide and then dropped it down to the original 15 ft width (see drawing C23 of the preliminary construction plans submitted). I further updated the drawing prior to my Site Development plan submittal – see attached drawing for your reference. My apologies if I missed a section.

As noted below, a fire hydrant at the tank site would not provide adequate pressure for fire flow. In your comments, you noted that a fire hydrant should be placed within 50 ft of Bradley Road where the pipeline crosses the road. I responded to that comment in Section 2.303 (10). I have included the text below for your reference and highlighted it in the attached document.

Emergency Services: The proposed project includes fire hydrants along the alignment which will be installed for the purpose of pipeline construction and maintenance and incidentally could be used for fire suppression which will benefit Fire Services. No other emergency services will be impacted by construction or operation of the project. Note that WWSD maintains an existing hydrant near the pipeline crossing with Bradley Road.

I agree that I did not specifically address the confined space emergency responder or fuel tank in the 1041 submittal. As noted in John's notes on his comments, I added these two items to the specifications for the project which were not submitted as part of the 1041. The requirement that on site fuel tanks be less than 660 gallons was added to two sections, 31 05 13 EARTHWORK and 33 16 61 WIRE-WOUND, PRESTRESSED CONCRETE TANK WITH STEEL DIAPHRAGM. The note that the ~~Ellicott Fire District~~ was the confined space emergency responder for the site was added to the tank spec in 33 16 61. That being said, I do not anticipate that a fuel tank greater than 660 gallons will be stored at the site. Typically the contractor has a mobile fuel and maintenance vehicle that visits the site as needed. Confined space entry would only occur during tank construction or tank maintenance since this is not a manned facility and typically the tank after construction is inspected by a scuba diver or a remote operated vehicle and it is rarely if ever drained and then entered for repairs.

Please let me know how I can be of further assistance.

Thanks

Gwen

Gwen Dall, P.E.

Gwen Dall

From: Gwen Dall
Sent: Wednesday, July 14, 2021 9:43 AM
To: Mark Stanwood
Cc: Shelby West
Subject: WWSD Rolling Hills Tank - Emergency phone numbers, onsite meeting?

Mark,

As a follow up to our phone call this morning, I understand that Ellicott Fire Protection District will respond to fire and EMS but that Colorado Springs Fire Department will respond to confined space rescue. Are their specific phone numbers I should share with the contractors or is calling 911 the best way to get help?

Our progress meeting for the Rolling Hills Tank are currently scheduled on Mondays at 2 pm at the tank site. The contractors should be onsite and working but not yet into confined space entry work by Monday, August 12th. They are starting next week but will be doing the driveway entrance, pipeline, roadway and detention pond first. If you would like to attend the August 12th meeting, let me know and I will send you an invitation as a reminder. As noted on the phone, WWSD operations would also be represented so you could discuss hydrant access and their thoughts on you possibly pulling water from the hydrants by the tank.

Thanks for visiting with my by phone this morning. Sometimes a phone is much easier than email!

Regards,
Gwen

Gwen Dall, P.E.

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Excelling in municipal water and wastewater solutions

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Development Company will fund only the construction of the 2 MG ground storage tank, the associated transmission line and the access road. The additional ground storage tank, the elevated tank and/or the booster pump station will be constructed at a later time and the funding source for these projects will be determined at that time. See Appendix N for the executed "Agreement of District Built Facilities Funded by a Developer" between Lorson LLC. and WWSD.

- (b) Business plan that generally describes the financial feasibility of the Project.

Per the agreement included in Appendix N, the District will not award the project for construction unless all funds are escrowed in advance of the bid award with the District. Lorson LLC. doing business as Eagle Development Company has the funds necessary to construct the project. Fees for water service charged by WWSD will cover the operation costs of the waterline and tank.

- (10) Local infrastructure and services impacts. An impact analysis that addresses the manner in which the applicant will comply with the relevant Permit Application Review Criteria. The impact analysis shall include the following information: description of existing capacity of and demand for local government services including but not limited to roads, schools, water and wastewater treatment, water supply, emergency services, transportation, infrastructure, and other services necessary to accommodate the Project within El Paso County.

Roads: A driveway permit for access off of Drennan Road will be obtained from the City of Colorado Springs. A tank access road will be built on the site but will be used for private, operations-staff only vehicles that will visit the site periodically. The access road will be a minimum of 15 ft wide and the entrance off of Drennan Road will be a minimum of 20 ft wide for the first 30 ft south of Drennan Road and gates will have a minimum clearance of 16 ft. The tank site area will be unmanned, and public access will be prohibited by gates and fencing.

Schools: There are no schools within the proposed limits of construction and as such, the proposed project will have no impact on schools.

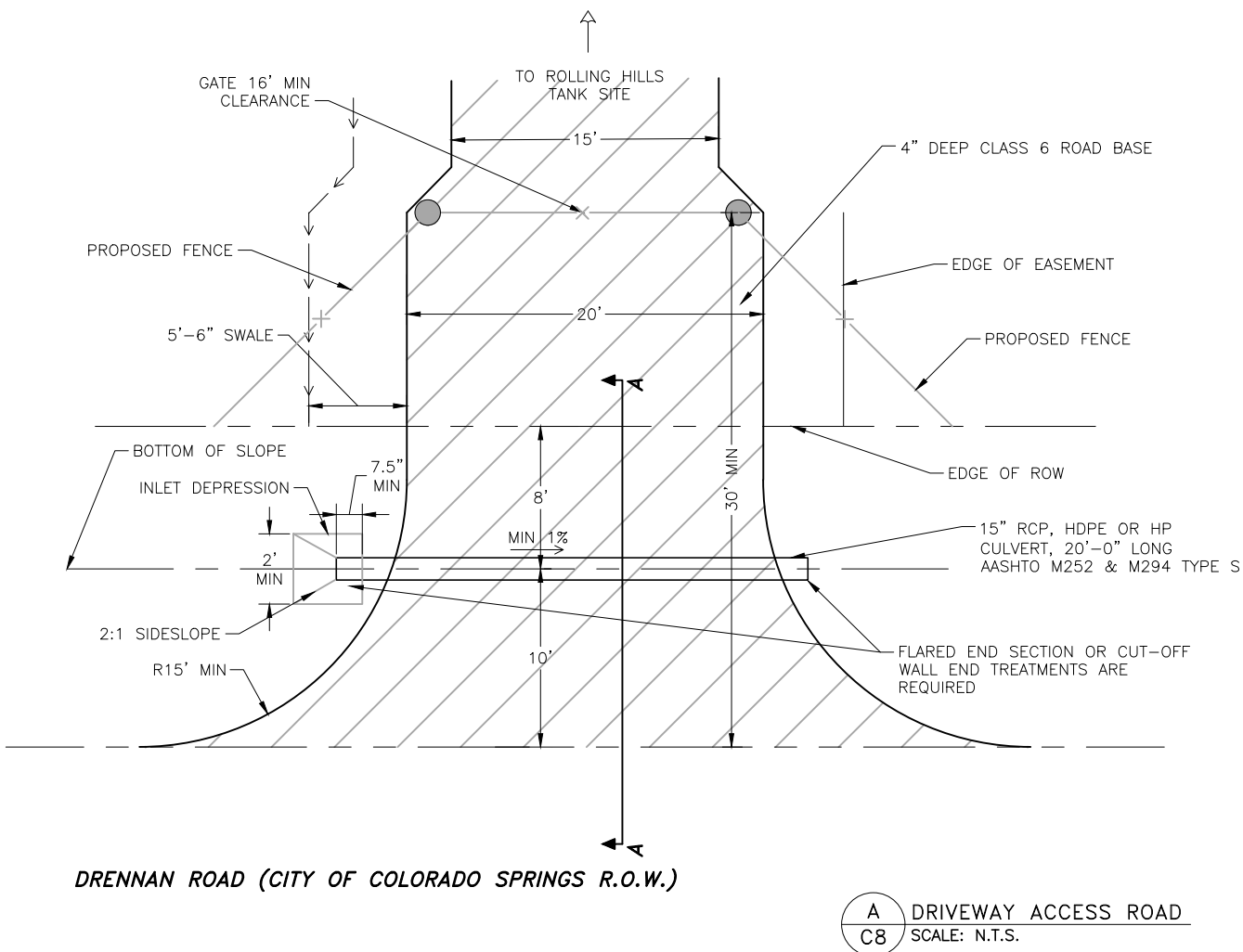
Water and Wastewater Treatment: Water treatment will not be affected during construction of this project or during long-term operation of the waterline. The proposed project will have no impact on wastewater treatment.

Water Supply: The proposed project will have no impact on water supply during construction or operation. As noted previously, the project will serve existing and future development within the existing WWSD service area boundaries. See Appendix J for maps of the proposed tank site service area.

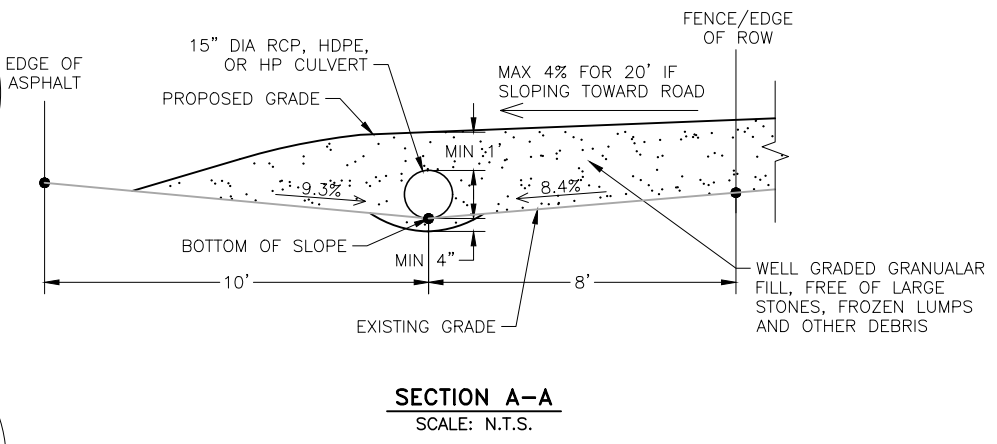
Emergency Services: The proposed project includes fire hydrants along the alignment which will be installed for the purpose of pipeline construction and maintenance and incidentally could be used for fire suppression which will benefit Fire Services. No other emergency services will be impacted by construction or operation of the project. Note that WWSD maintains an existing hydrant near the pipeline crossing with Bradley Road.

Transportation: During construction, the proposed project may have minor, short-term impacts on transportation such as minor delays due to short duration heavy truck traffic. All applicable permits will be acquired for all oversized loads. Operation of the proposed project will have no impact on transportation.

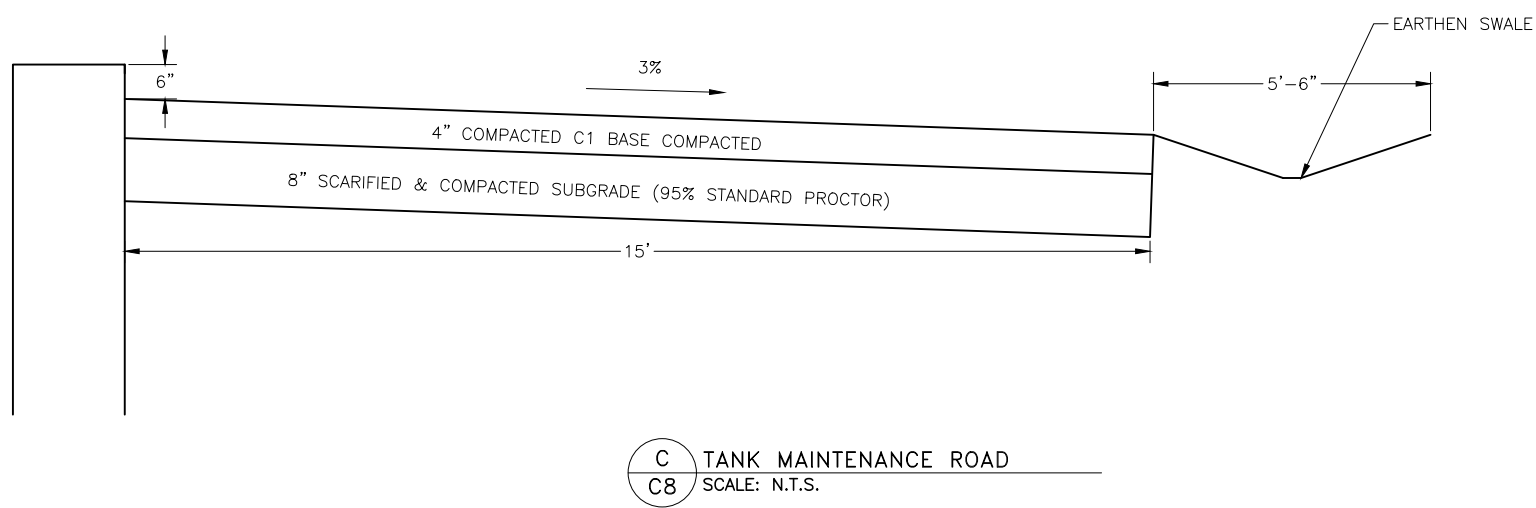
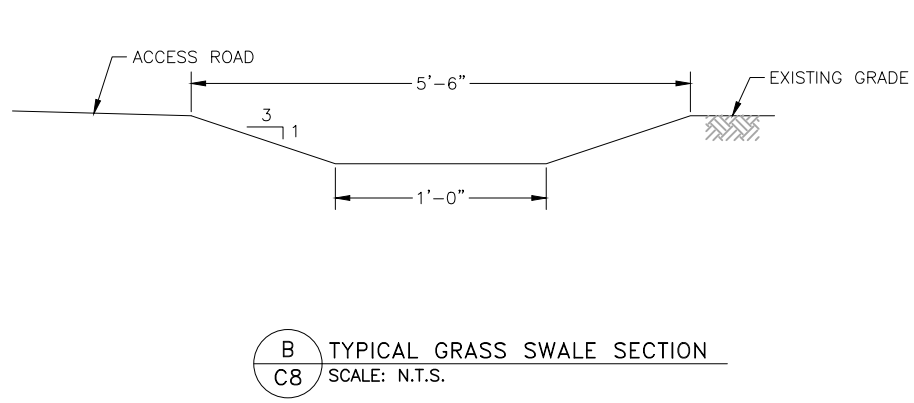
J:\JDS-Hydro\Project Files\102 Widefield Water And San\102.121 Rolling Hills Tank\Drawings\Working\102121_Civil_Details.dwg 2021/06/16 4:31 PM By: Shelby West



DRAWING UPDATED ON 6/16/21 TO INDICATE FENCE RELOCATION TO 30 FT FROM THE EDGE OF ROADWAY



- 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.



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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.

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

REVISIONS		BY	APP.	DATE
NO.	DESCRIPTION	SNW	GJD	
1	FENCE LOCATION			06/16/21
2				
3				
4				
5				
6				
7				

FOR CONSTRUCTION



Project No.: 102.121
Date: 05/06/21
Design: GJD
Drawn: SNW
Check: JPM