

**GENERAL CONSTRUCTION NOTES:**

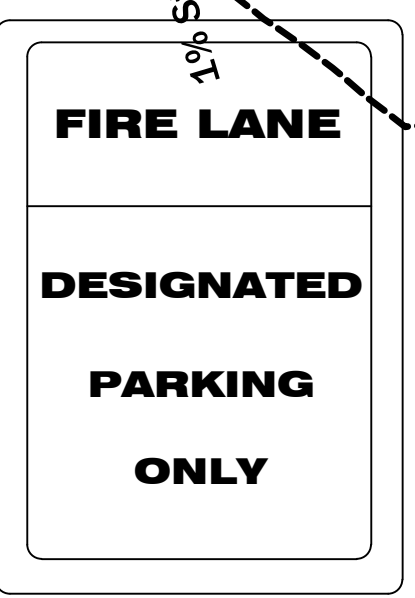
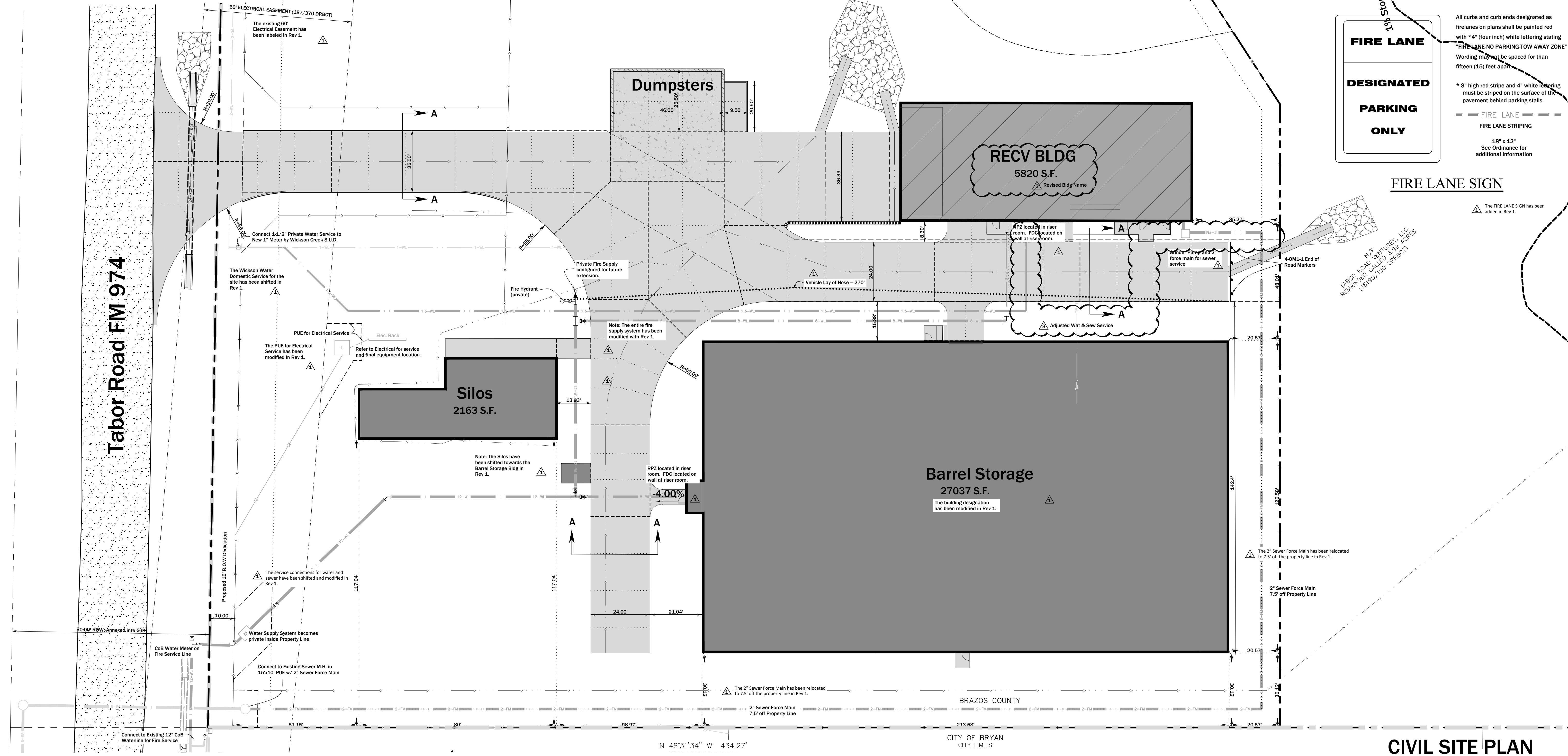
- It shall be the responsibility of the Contractor to verify the exact location of ALL existing underground utilities. Furthermore, the Contractor shall contact all utility company representatives a minimum of 48 hours in advance of any excavation.
- Contact Dig Tess @ 1-800-344-8377
- Contact Dan Augsburger @ Suddenlink 979-846-2229
- Contact Leslie Carroll @ Frontier 979-821-4752
- Contact Brandon Charanza @ BTU (Electrical) 979-821-5784
- Contact Jayson Barfknecht @ Public Works (Water/Wastewater) 979-209-5900
- Contact Corey Lemond @ Atmos Gas (Gas) 888-286-6700
- All construction shall be in accordance with the current City of Bryan (COB) Standard Specifications for Street Construction, B/CS Unified Technical Specifications, Water and Sewer and Generals, 2020, and BCS Unified Design Details. All inspection shall be performed by the staff of the City Engineer of COB. All construction shall be coordinated with the City of Bryan City Engineer.
- The domestic water supply line shall be constructed in accordance with the Wickson Creek Special Utility District requirements.
- In lieu of using the construction materials indicated in these plans, the Contractor shall obtain written approval from the Engineer for any substitution prior to construction. Requests for changes should include product information and an engineers seal where applicable. The contractor shall be financially responsible for the engineer's time spent reviewing changes and redesigning based on contractors requests.
- Trench Safety Requirements shall be in accordance with O.S.H.A. Standard 29 CFR Part 1926 Subpart P and all federal, state and local regulations.
- TRENCHING AND BACKFILLING:** All trenching and backfilling shall conform to the specifications set out herein. Testing shall be provided by a certified laboratory, at the Owner's expense, to verify these standards. Any retesting due to substandard work shall be at the expense of the Contractor. Structural areas shall include all sidewalks and shall extend 5' beyond the curb lines of all streets, alleys and parking areas.
- It is the responsibility of the contractor to comply with all State and Federal Regulations regarding construction activities near energized overhead power lines. Additionally, the contractor shall coordinate all proposed work and procedures with BTU, as applicable.
- All materials & labor not identified as a Separate Bid Item shall be considered subsidiary to the item in which it is used. All materials and equipment shall be both furnished and installed unless otherwise noted.
- The Contractor must provide construction staking from the information provide on these plans. The contractor shall be provided with a CAD C3D file and CAD surface for the benefit of construction. The contractor shall CONFIRM all dimensions prior to construction.
- All soil exposed by construction shall receive cellulose fibermulch seeding unless otherwise noted. Contractor shall submit to City of Bryan Parks Department seed mix specification and have approval of desired seed mix prior to ordering fibermulch seeding.
- Trenches may be left open overnight if properly barricaded.
- Adjustment of Water Meters, Valves, Manholes, Irrigation Systems, and any other Public or Private Utility, etc. will be paid for as a separate pay item, provided they are necessary and are not a part of the new line construction. In the case they are part of the new line construction, the price of the adjustment shall be subsidiary to the construction of Sewer Line, Force Main, etc.
- The contractor shall coordinate with Suddenlink Communications, BTU, City of Bryan, Atmos, and Frontier to adjust the location of existing facilities, if necessary.
- The contractor is responsible for traffic control.
- Temporary spoil areas will be identified on site by owner.
- All dimensions are to the back of curb unless otherwise noted.
- 100% coverage of groundcover or a perennial grass is required in swales, drainage areas, rights-of-way, and adjacent property disturbed during construction.
- The private property owner shall have direct responsibility to operate, repair, and maintain all private drainage easements, and private stormwater detention facilities which are part of this subdivision. The City of Bryan shall not be responsible for any operation, repair and maintenance of these areas.

**SITE PLAN NOTES:**

- Name of Project: HUSH & WHISPER BARREL STORAGE  
Legal: Lot 1, Block 1, Hush & Whisper Barrel Storage  
Address: 2898 FM 974, Bryan, TX, 77808
- Owner's Contact Information  
Name: Chuck Sesock, Project Manager  
Company: Tabor Road Ventures  
Address: 110 North Main, Bryan, Texas 77803  
Phone: (979)229-7313
- Engineer: Mitchell & Morgan, L.L.P.  
3204 Earl Rudder Fwy. S.  
College Station, Texas 77845  
(979) 260-6963
- Zoning: See Architectural Site Plan
- Existing Use: See Architectural Site Plan
- Proposed Use: See Architectural Site Plan
- Setbacks: Per City of Bryan Ordinances
- Overall Site Area: 4.020 acres.
- Domestic Water Demands:  
Total Fixture Units = 5  
Avg. Water Demand = 1 gpm.  
Peak Water Demand = 5 gpm
- Fire Flow Water Demands:  
Computed Sprinkler plus hydrant flow=1900 gpm
- Sanitary Demands:  
Total Fixture Units = 5  
Avg. Sewer Demand = 1 gpm.  
Peak Sewer Demand = 5 gpm
- Curbs are only as shown on the site plan.
- The subject tract does not lie within the 100 year floodplain according to the F.E.M.A. Flood Insurance Rate Maps for Brazos County, Texas and incorporated areas. Community No. 480083, Panel No. 0205F, Map No. 48041C0205F. Effective Date: April 2, 2014. The tributary on the remainder tract (called Wickson Creek Tributary 21.3.9 on the FIRMs) has an average depth of >12" and will require mapping in order to develop the remainder tract.
- Site Signage shall be permitted separately.
- Building shall be one story tall.
- Fire Flow Information: See Architectural Site Plan

**PARKING DATA:**

PARKING SPACES REQUIRED/PROVIDED: 1/Employee present = 1 SPACE  
No Handicap spaces  
The SITE PLAN NOTES & PARKING DATA has been added in Rev 1.



All curbs and curb ends designated as firelanes on plans shall be painted red with "4" (four inch) white lettering stating "FIRE LANE NO PARKING-TOW AWAY ZONE". Wording may not be spaced for than fifteen (15) feet apart.

\* 8" high red stripe and 4" white lettering must be striped on the surface of the pavement behind parking stalls.

--- FIRE LANE STRIPING

18" x 12" FIRE LANE STRIPING

See Ordinances for additional information

**The Arkitex Studio, Inc.**  
308 N. Bryan Ave.  
Bryan, TX 77803  
P (979)821-2635  
F (979)775-8224  
www.arkitex.com

**MITCHELL & MORGAN**  
12/22/22 Firm # 1443

**MITCHELL & MORGAN**  
3204 EARL RUDDER FWY S.  
COLLEGE STATION, TX 77845  
T.979.260.6963

JOEL J. MITCHELL  
80649  
REGISTERED PROFESSIONAL ENGINEER

New Buildings for  
**Hush & Whisper Barrel Storage**  
2898 FM 974, Bryan, Texas 77808

Revisions	
Number	Date
1	1/30/23
2	2/10/23
3	2/27/23

Project 22009  
January, 2023

**C1.0**

**CIVIL SITE PLAN**

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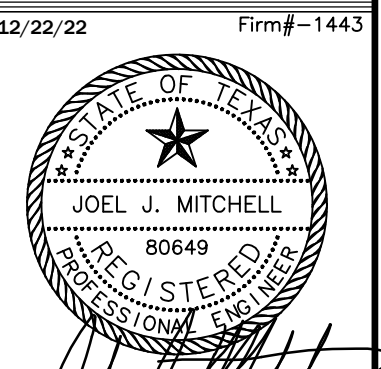


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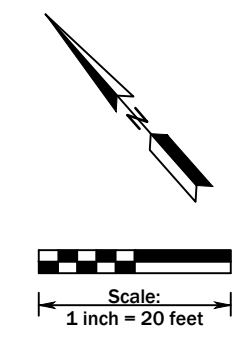
12/22/22 Firm # 1443

New Buildings for Hush & Whisper Barrel Storage 2898 FM 974, Bryan, Texas 77808

Revisions	
Number	Date
1	1/30/23
2	2/10/23
3	2/27/23

Project 22009 January, 2023

C2.0

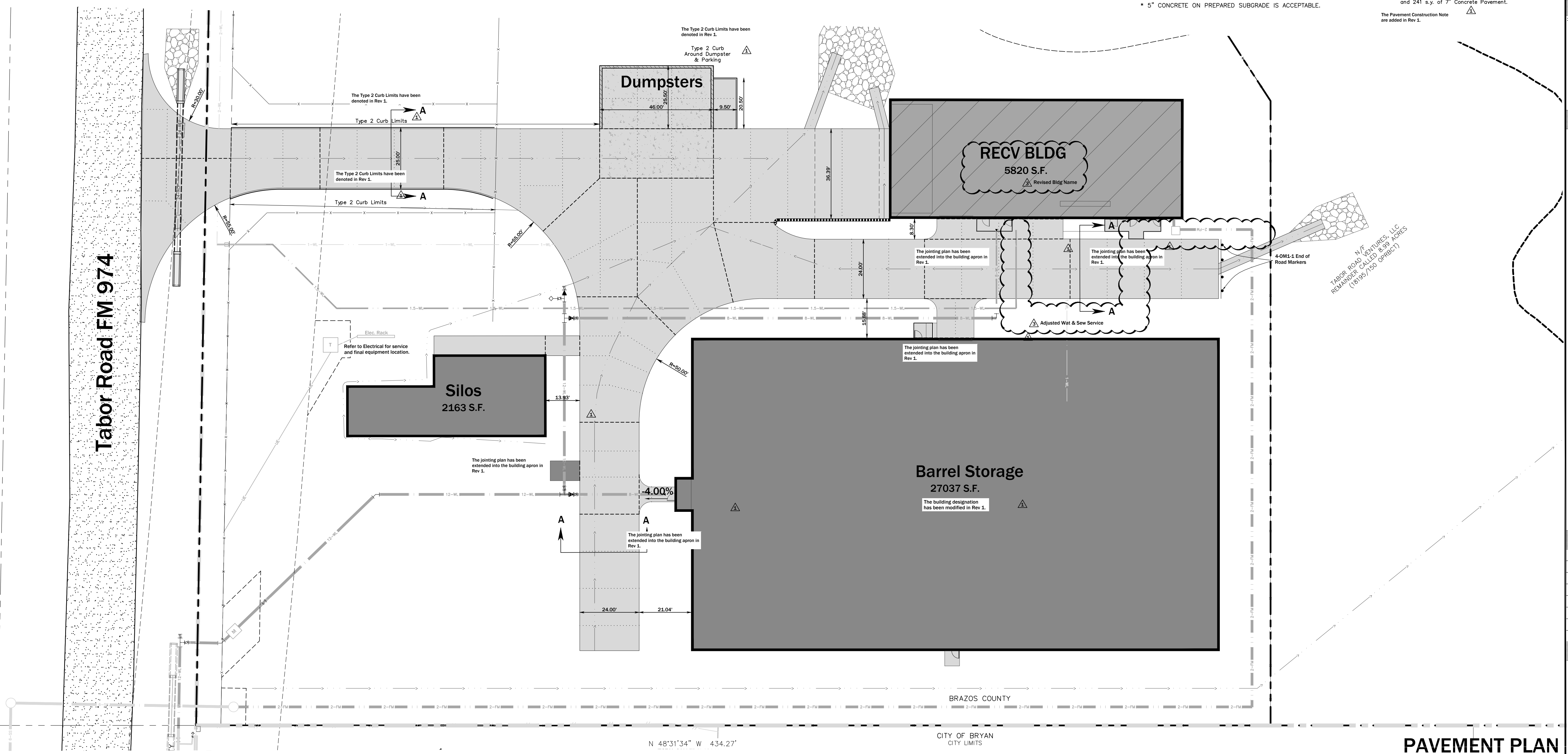
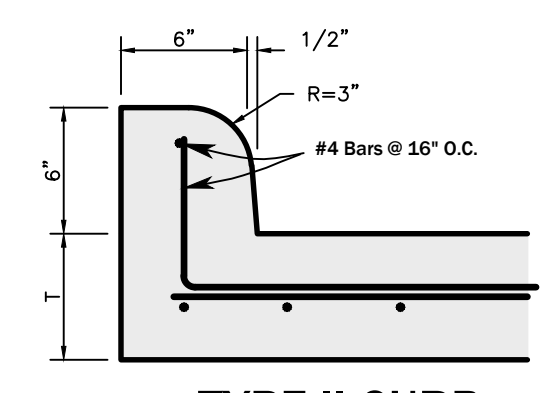
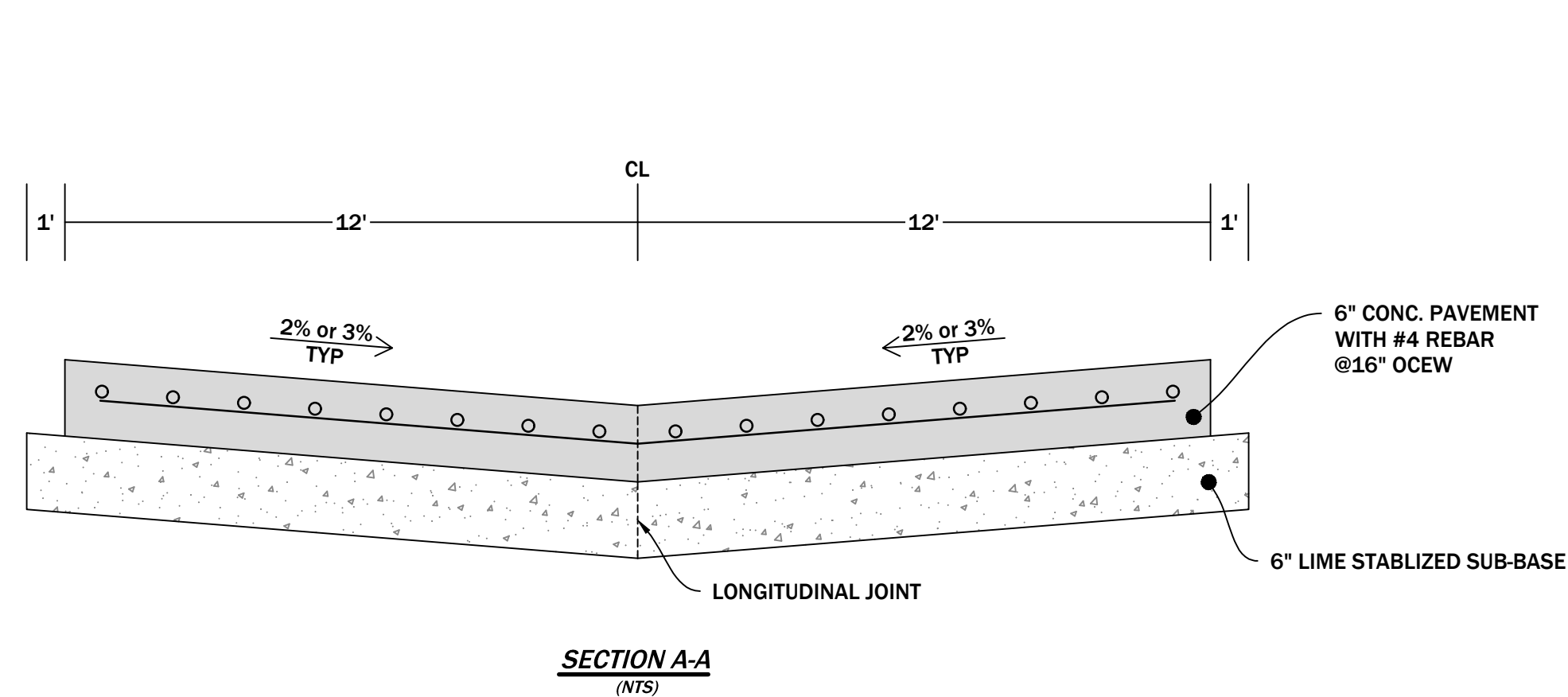
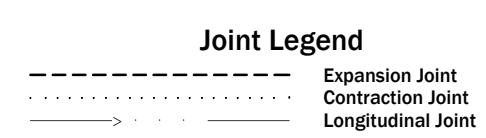
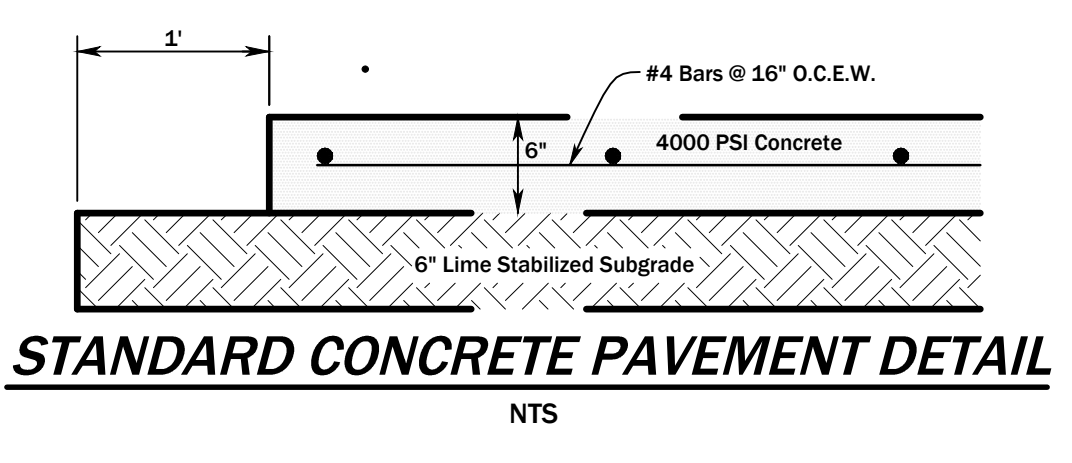
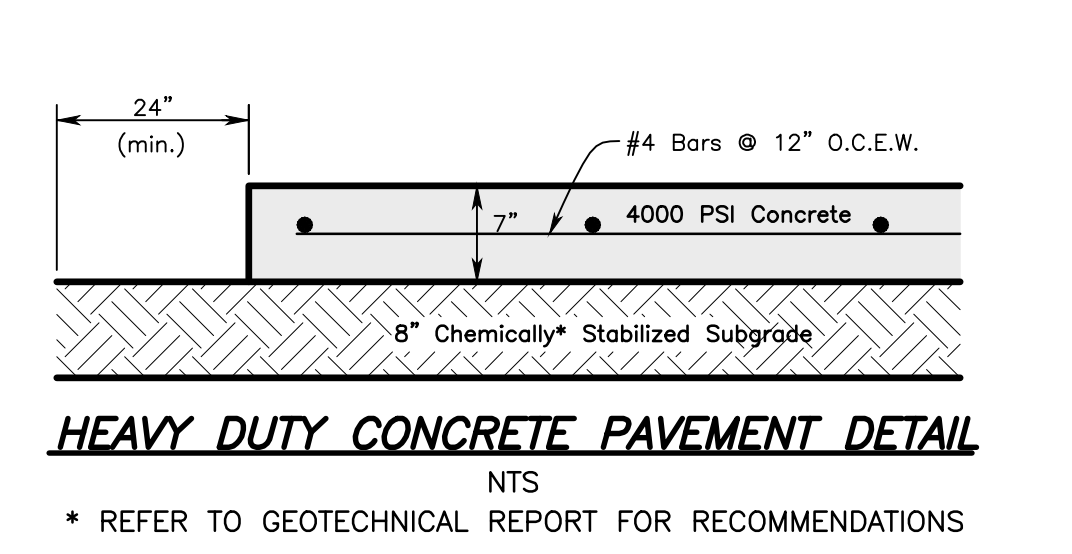
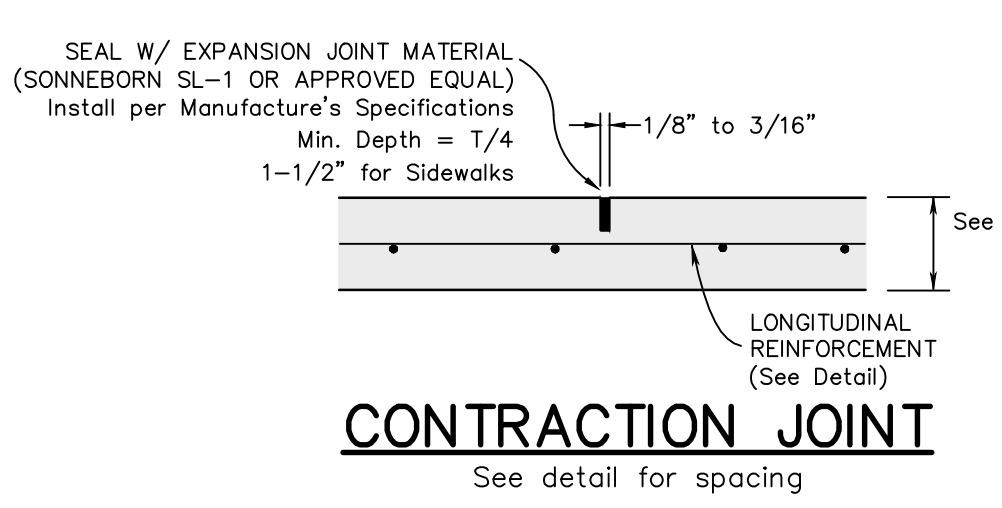
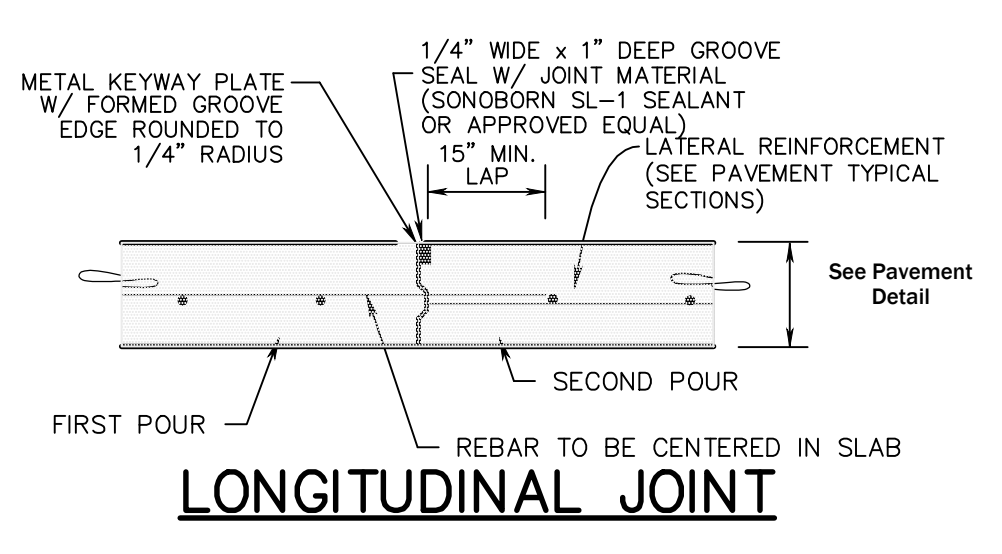
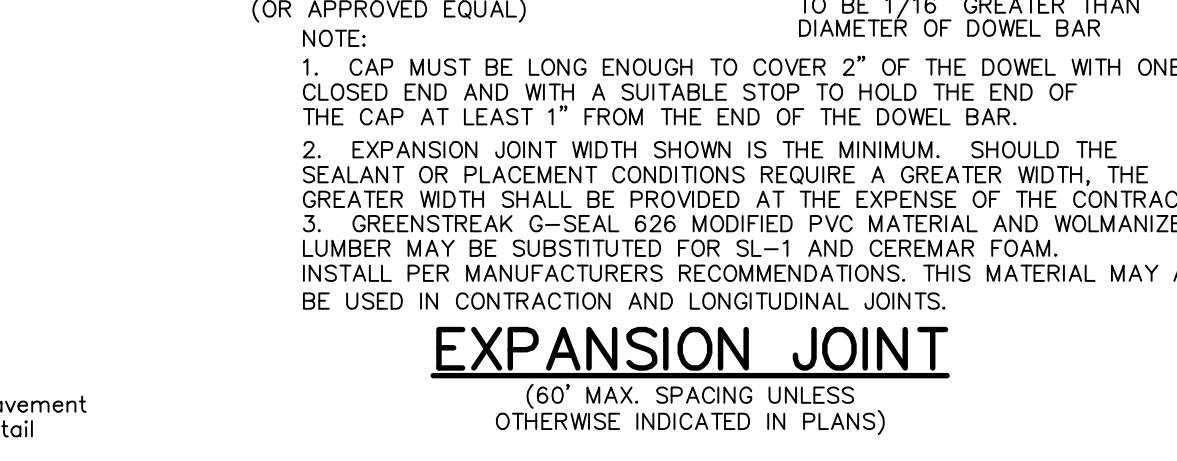
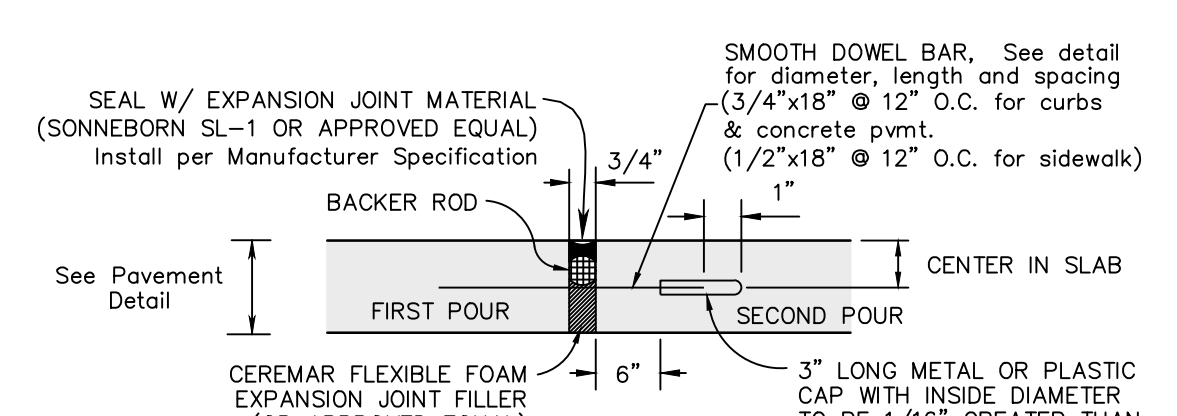


LEGEND

- CONCRETE PAVEMENT
- HEAVY DUTY CONCRETE PAVEMENT
- STRUCTURAL SLAB
- CONTRACTION JOINT
- EXPANSION JOINT
- LONGITUDINAL JOINT

- Pavement Construction Notes:
- Lime Stabilization shall be per the B/CS United Specifications. For planning purposes the contractor shall assume 5% time by weight and request a change order if that requirement is exceeded. See soils report for additional guidance.
  - An expansion joint is required where the pavement touches any structure.
  - This Plan reflects 2300 s.y. of 6" concrete pavement and 241 s.y. of 7" Concrete Pavement.

The Pavement Construction Note are added in Rev. 1.



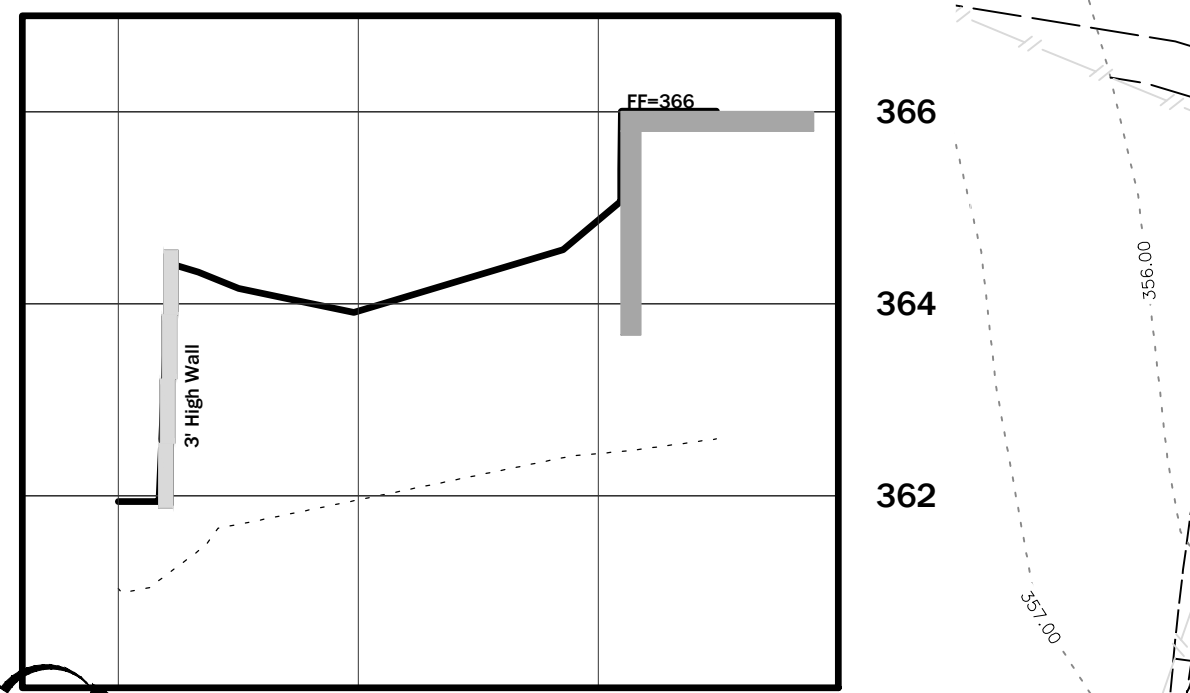
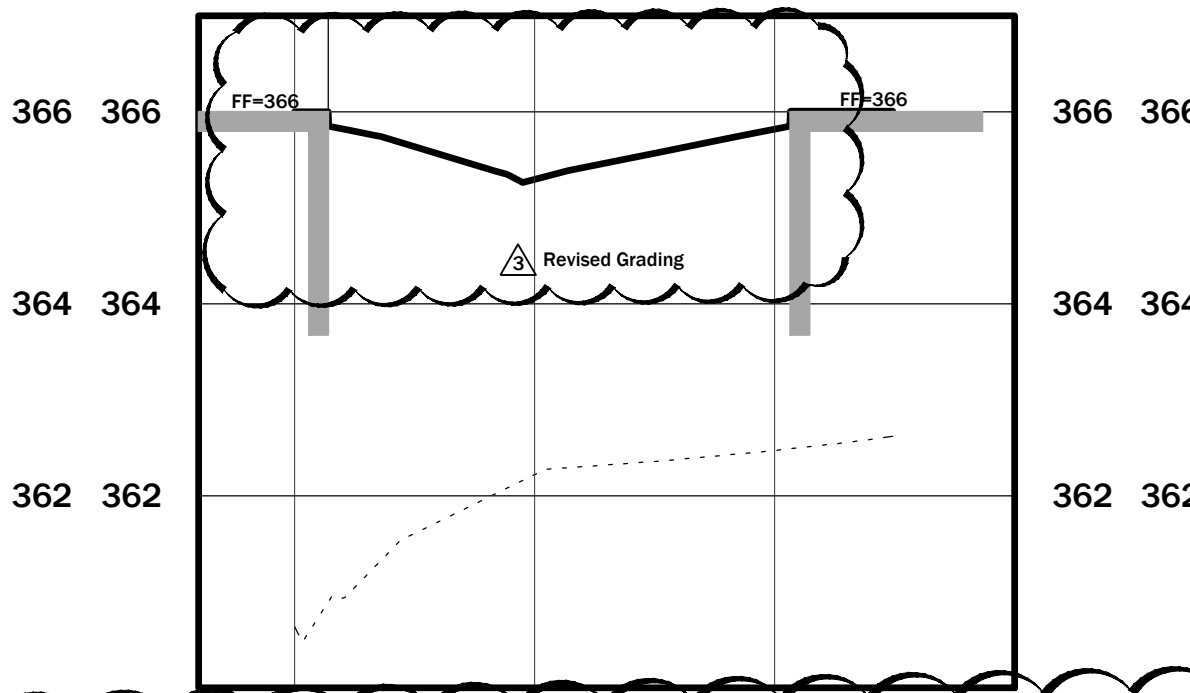
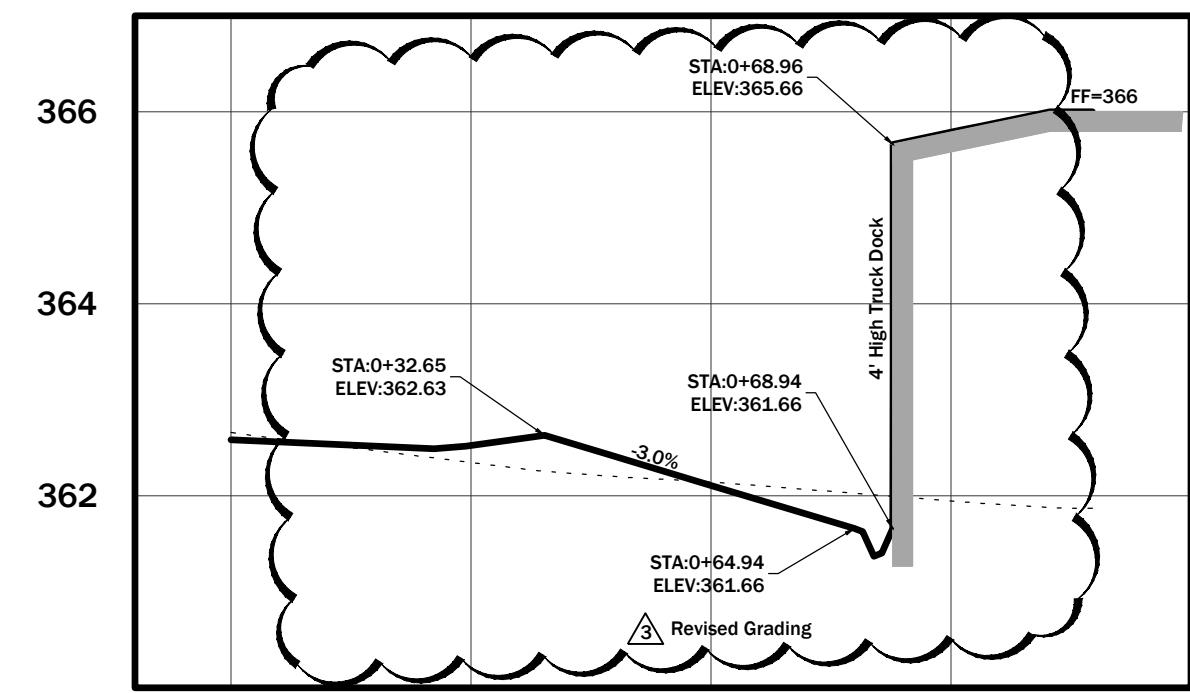
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Section AA

Section BB

Section CC



Channel Hydraulic Data				
Section EE				
N=0.014	S=0.0100 ft/ft	Bw=25.00	SS=4	
Storm	Flow (cfs)	Normal Depth	Velocity	
2-Yr	0	0.00	0.00	
5-Yr	0	0.00	0.00	
10-Yr	0	0.00	0.00	
25-Yr	0.44	0.03	0.58	
50-Yr	1.66	0.05	1.32	
100-Yr	3.2	0.08	1.58	

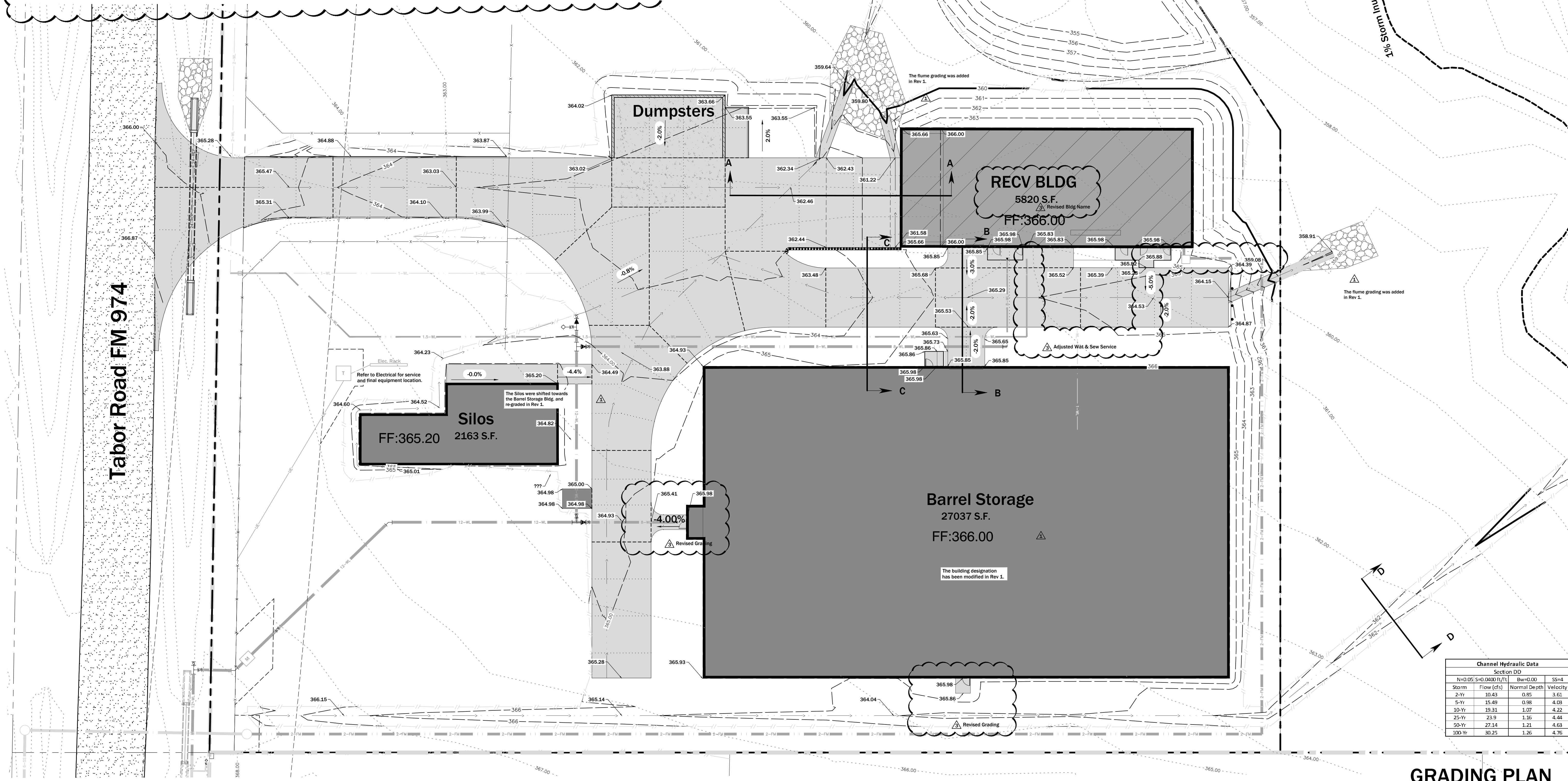
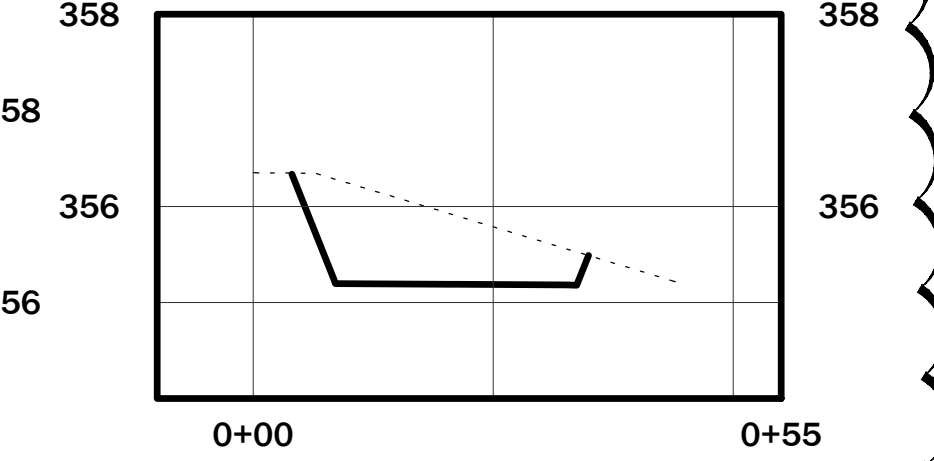
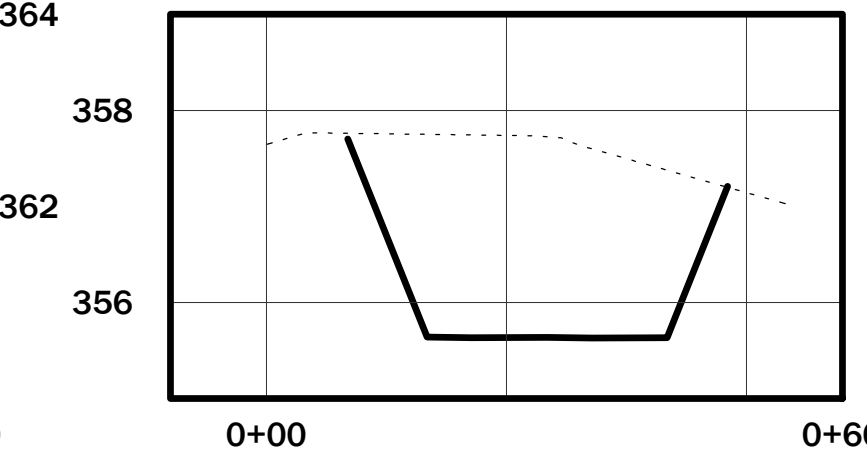
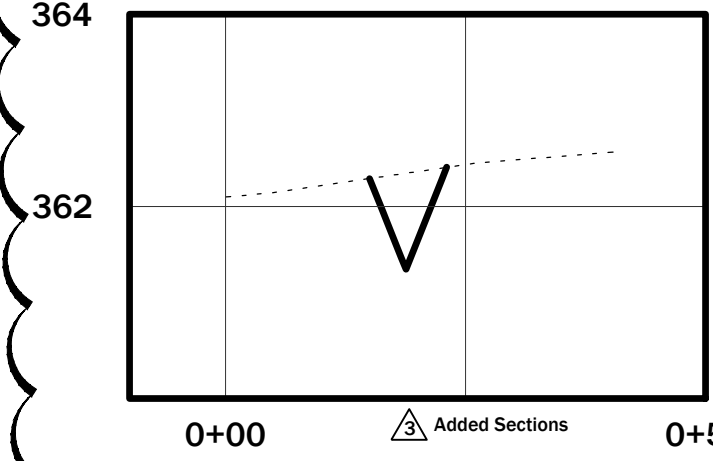
Channel Hydraulic Data				
Section FF				
N=0.045	S=0.0100 ft/ft	Bw=25.00	SS=4	
Storm	Flow (cfs)	Normal Depth	Velocity	
2-Yr	0	0.00	0.00	
5-Yr	0	0.00	0.00	
10-Yr	0	0.00	0.00	
25-Yr	0.44	0.05	0.35	
50-Yr	1.66	0.10	0.65	
100-Yr	3.2	0.15	0.83	

Scale: 1 Inch = 20 Feet

Section DD

Section EE

Section FF



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New Buildings for Hush & Whisper Barrel Storage 2898 FM 974, Bryan, Texas 77808

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1	1/30/23
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Project 22009 January, 2023

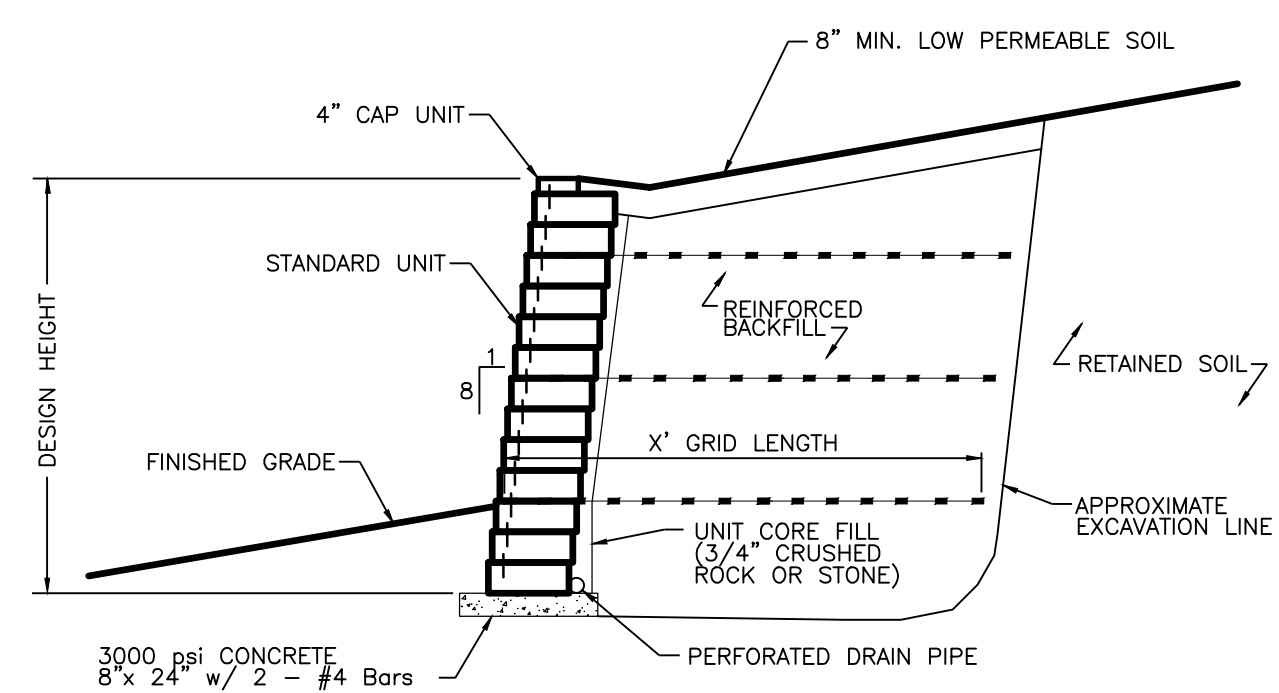
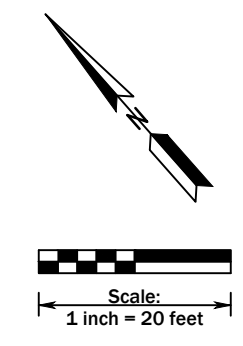
C2.1

Channel Hydraulic Data				
Section DD				
N=0.05	S=0.0400 ft/ft	Bw=0.00	SS=4	
Storm	Flow (cfs)	Normal Depth	Velocity	
2-Yr	10.43	0.85	3.61	
5-Yr	15.49	0.98	4.09	
10-Yr	19.31	1.07	4.22	
25-Yr	23.9	1.16	4.44	
50-Yr	27.14	1.21	4.63	
100-Yr	30.25	1.26	4.76	

GRADING PLAN

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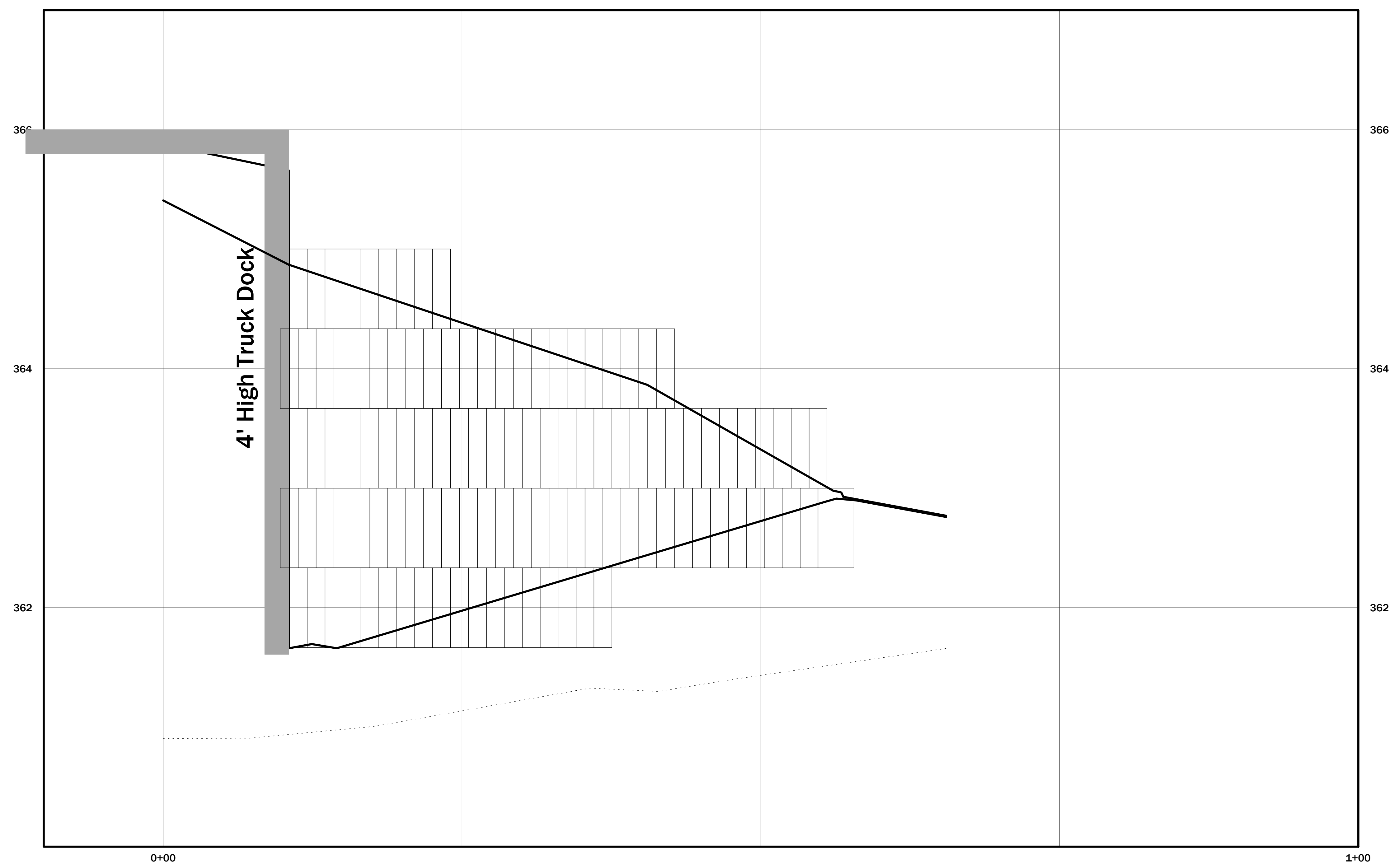


**MODULAR BLOCK RETAINING WALL  
TYPICAL REINFORCED SECTION**  
STANDARD UNIT - 1" MINIMUM SETBACK

Contractor shall submit sealed engineering drawings for design of wall based on wall type. Appearance of wall shall be selected by owner prior to design. Retaining wall will require a separate building permit.

- Retaining Wall Construction Notes:**
1. Retaining wall shall be Pavestone or other approved block wall. Owner to pick color/ style/ and finish of wall.
  2. Contractor shall provide sealed drawings from an engineer in the state of Texas for wall design conforming to the grading requirement on this sheet and standard design practices.

*Retaining Wall*

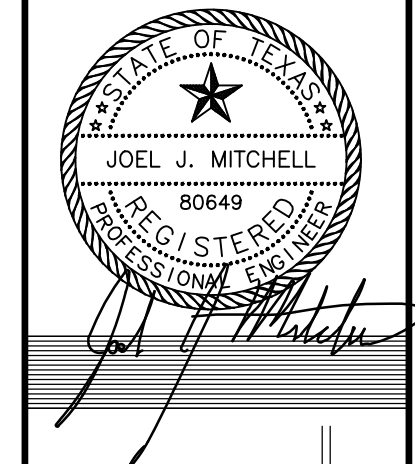


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12/22/22 Firm # - 1443



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2898 FM 974, Bryan, Texas 77808

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Project 22009  
January, 2023

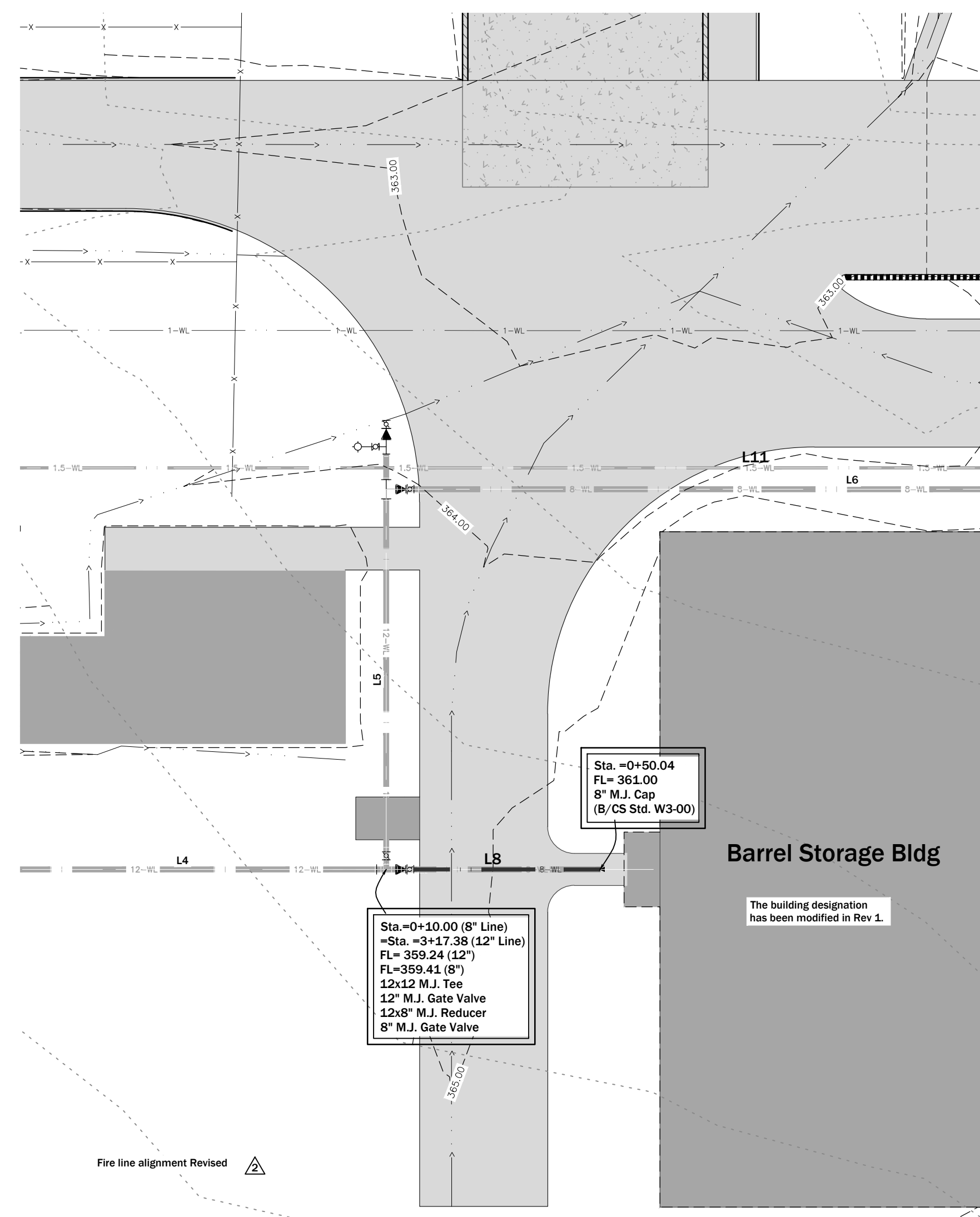
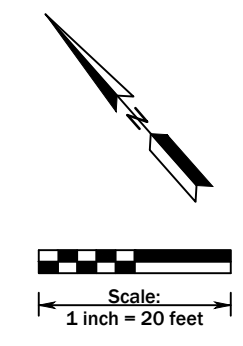
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**RETAINING WALL PLAN**

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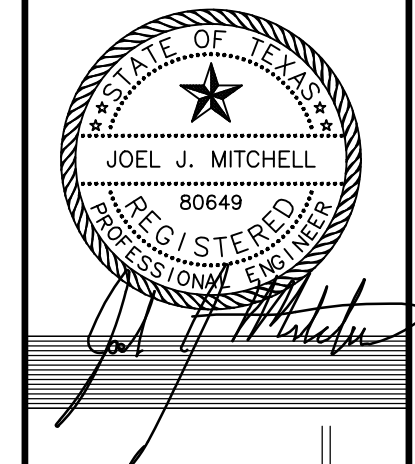


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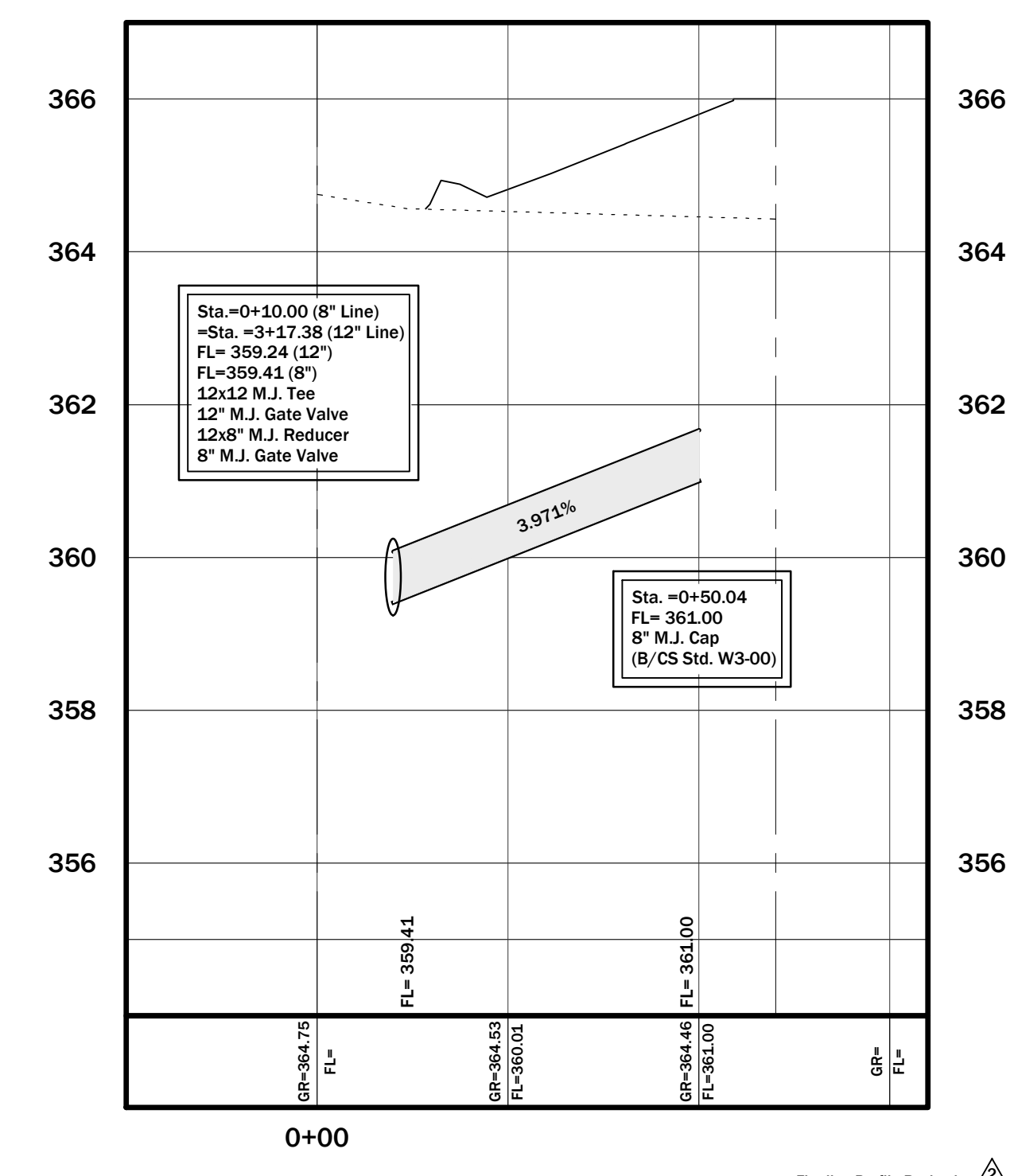


Revised Note

**41 L.F. of WATER LINE**  
 8" PVC (AWWA C900-DR14)  
 SEE DETAIL SHEET FOR EMBEDMENT

Line Table: Alignments				
Line #	Length	Direction	Start Point	End Point
L8	60.04	S48° 31' 34.37"E	(3542391.76,10245925.13)	(3542436.75,10245885.37)

**8 Inch Fire Line to Barrel Storage Bldg**



Note: The entire fire supply system was revised with Rev1

**8In Fire Line to Barrel Storage Bldg**

New Buildings for  
**Hush & Whisper Barrel Storage**  
 2898 FM 974, Bryan, Texas 77808

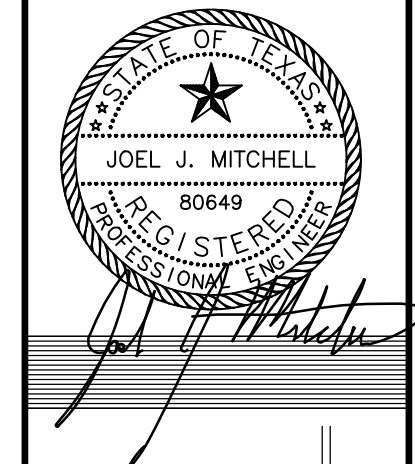
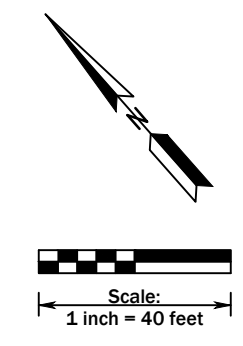
Revisions	
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	1/30/23
	2/10/23
	2/27/23

Project 22009  
 January, 2023

**C3.1**

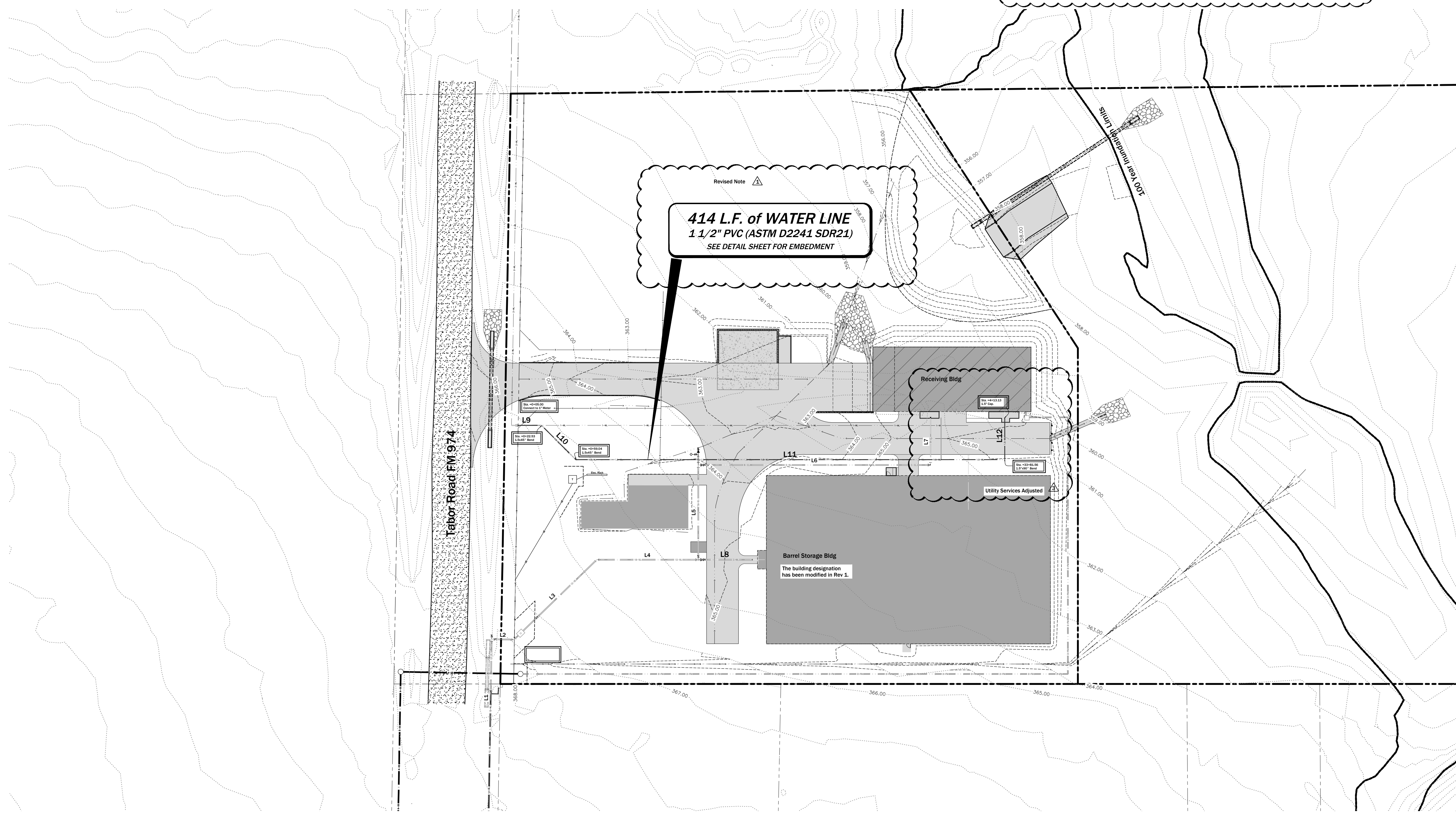
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Line Table: Alignments				
Line #	Length	Direction	Start Point	End Point
L9	22.53	S48° 31' 32.55"E	(3542361.00,10246087.22)	(3542377.88,10246072.29)
L10	36.50	S3° 31' 32.55"E	(3542377.88,10246072.29)	(3542380.12,10246035.86)
L11	322.53	S48° 31' 35.94"E	(3542380.12,10246035.86)	(3542621.78,10245822.26)
L12	36.06	N41° 28' 46.77"E	(3542621.78,10245822.26)	(3542645.67,10245849.28)

Added Layout Table



Revised Note  
**414 L.F. of WATER LINE**  
**1 1/2" PVC (ASTM D2241 SDR21)**  
 SEE DETAIL SHEET FOR EMBEDMENT

Barrel Storage Bldg  
 The building designation has been modified in Rev 1

Note: The entire domestic water supply system was revised with Rev 1.

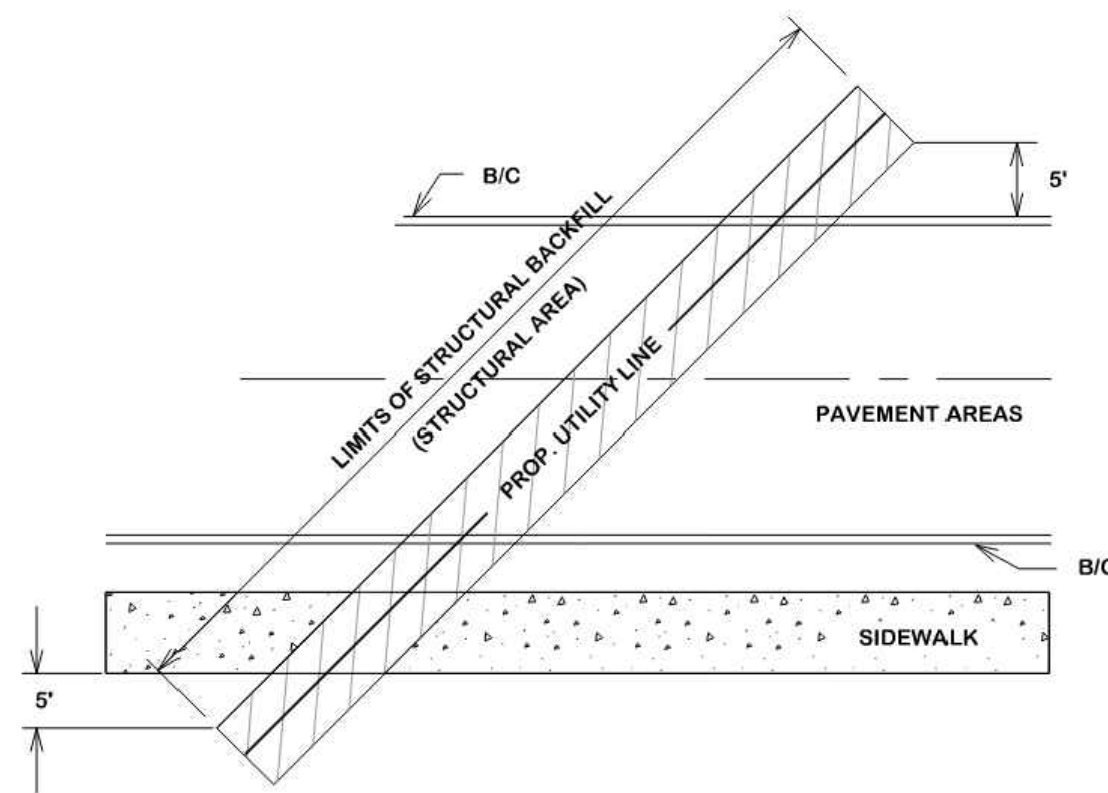
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Project 22009  
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**C3.2**



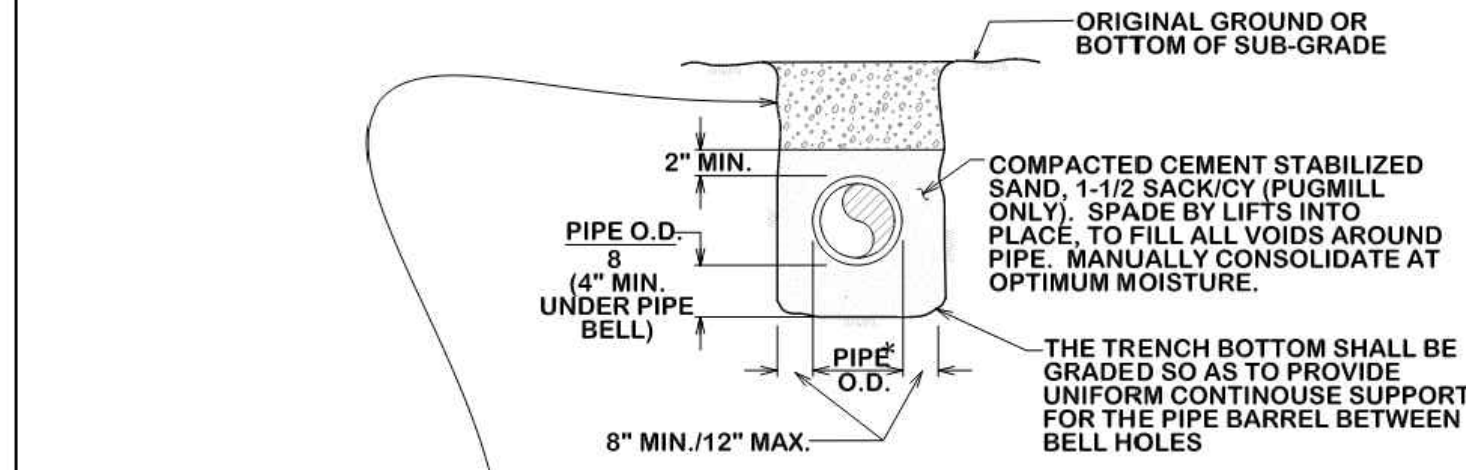
STRUCTURAL BACKFILL AREA INCLUDES ALL PAVED AREAS (SIDEWALKS, STREETS, ALLEYS, DRIVEWAYS AND PARKING AREAS) AND SHALL EXTEND 5' BEYOND THE CURB LINE. STRUCTURAL BACKFILL SHALL BE CEMENT STABILIZED (OPTION NO. 2 IN W4-02) OR EXCAVATED SOIL COMPACTED TO 98% MAXIMUM DRY DENSITY AS PER ASTM D698 WITHIN OPTIMUM TO +4% WET OF OPTIMUM (OPTION NO. 1 IN W4-02)



**STRUCTURAL BACKFILL AREA FOR DRAINAGE PIPE**

DATE: **AUG. 2012** B/C/S UNIFIED STANDARD DETAIL: **D3-02**

CITY OF BRYAN CITY OF COLLEGE STATION



**SELECT MATERIAL**  
MATERIAL EXCAVATED FROM THE DITCH, (WHICH IS FREE OF ROCKS, LUMPS, CLODS, OR DEBRIS LARGER THAN TWO (2) INCHES IN THE LARGEST DIMENSION, COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D698 (STANDARD) AT A MOISTURE CONTENT WITHIN OPTIMUM TO +4% OF OPTIMUM UNDER NON-STRUCTURAL AREAS (ie...YARDS, PASTURES, EASEMENTS) AND TO A MINIMUM OF 98% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D698 (STANDARD) AT A MOISTURE CONTENT WITHIN OPTIMUM TO +4% OF OPTIMUM UNDER NEW STREET AREAS AND STREETS TO BE RECONSTRUCTED.

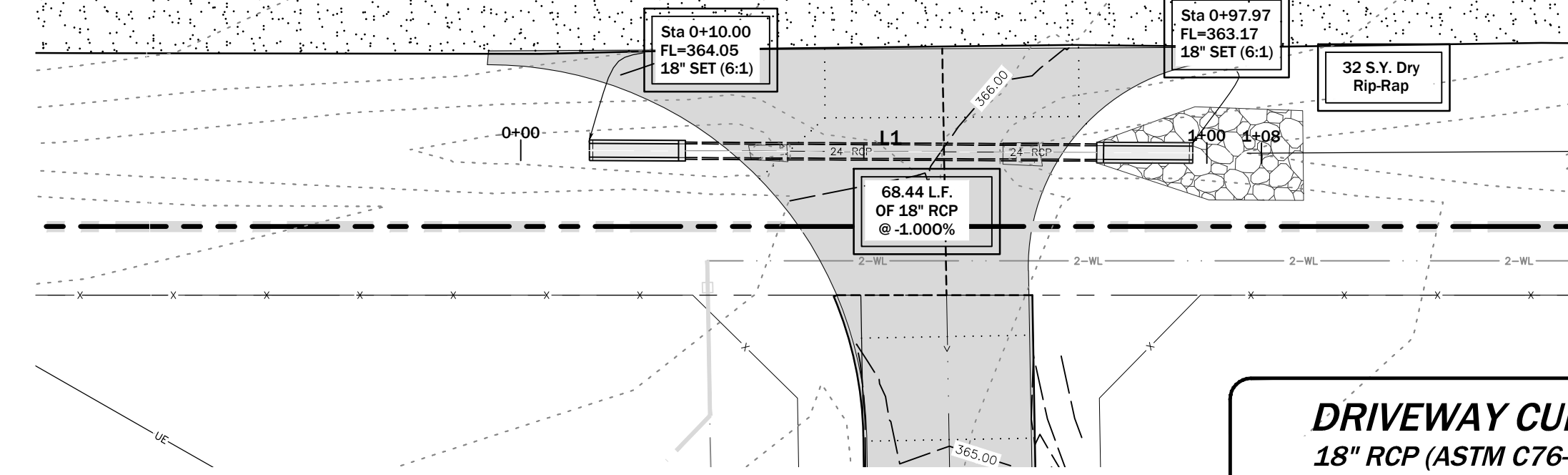
\* PE MUST DESIGN TRENCH DETAIL SITE SPECIFIC FOR HDPE PIPE.  
HDPE PIPE IS NOT TO BE USED UNDER PUBLIC STREET PAVEMENT WITHIN STRUCTURAL BACKFILL AREA  
CEMENT STABILIZED SAND AS A MINIMUM WILL ALWAYS BE REQUIRED.

**BEDDING AND TRENCH FOR REINFORCED CONCRETE PIPE AND BOX CULVERTS**

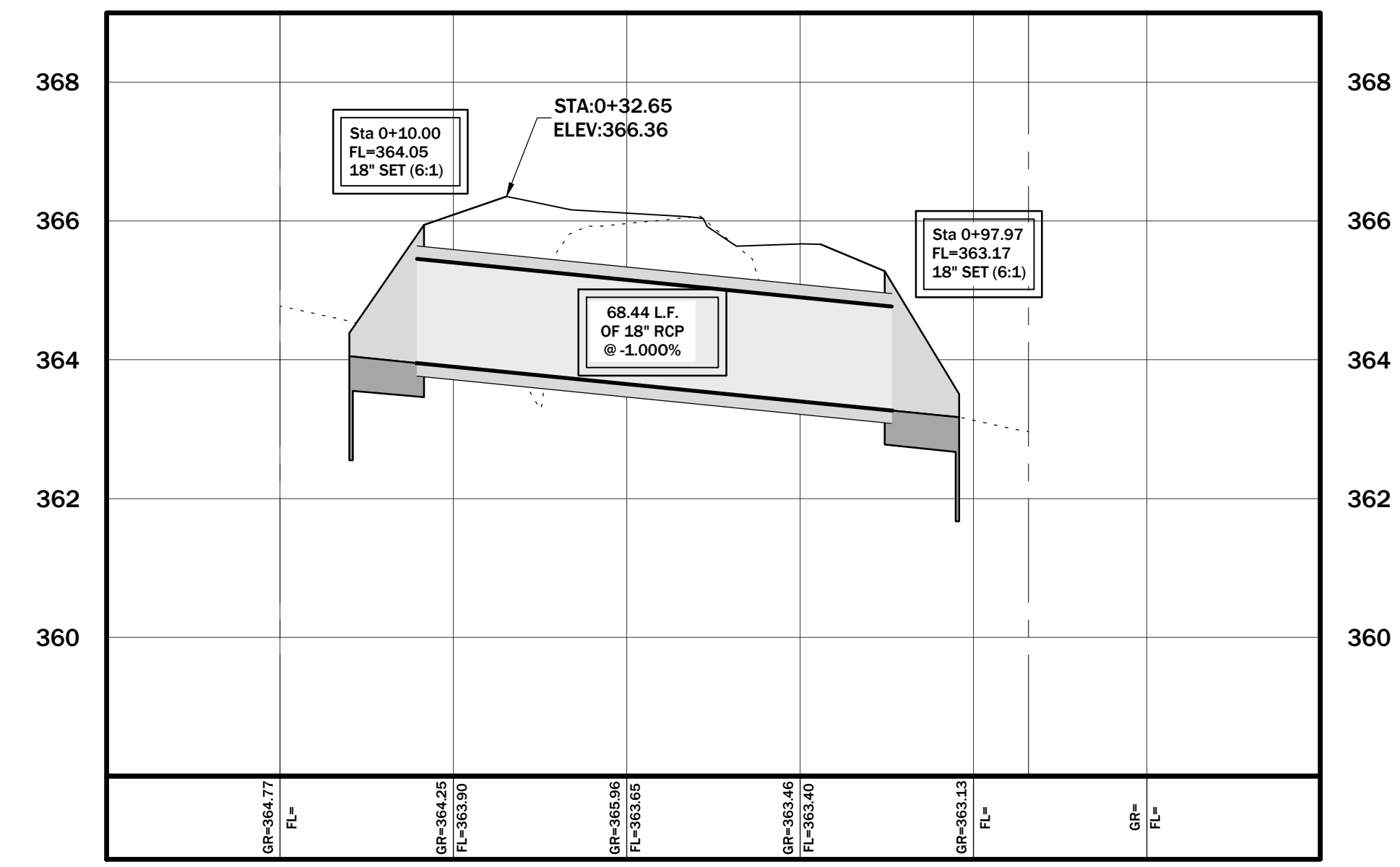
DATE: **DECEMBER 2020** B/C/S UNIFIED STANDARD DETAIL: **D3-03**

CITY OF BRYAN CITY OF COLLEGE STATION

**Tabor Road FM 974**



**FM 974 Driveway Culvert**



**Line Table: Alignments**

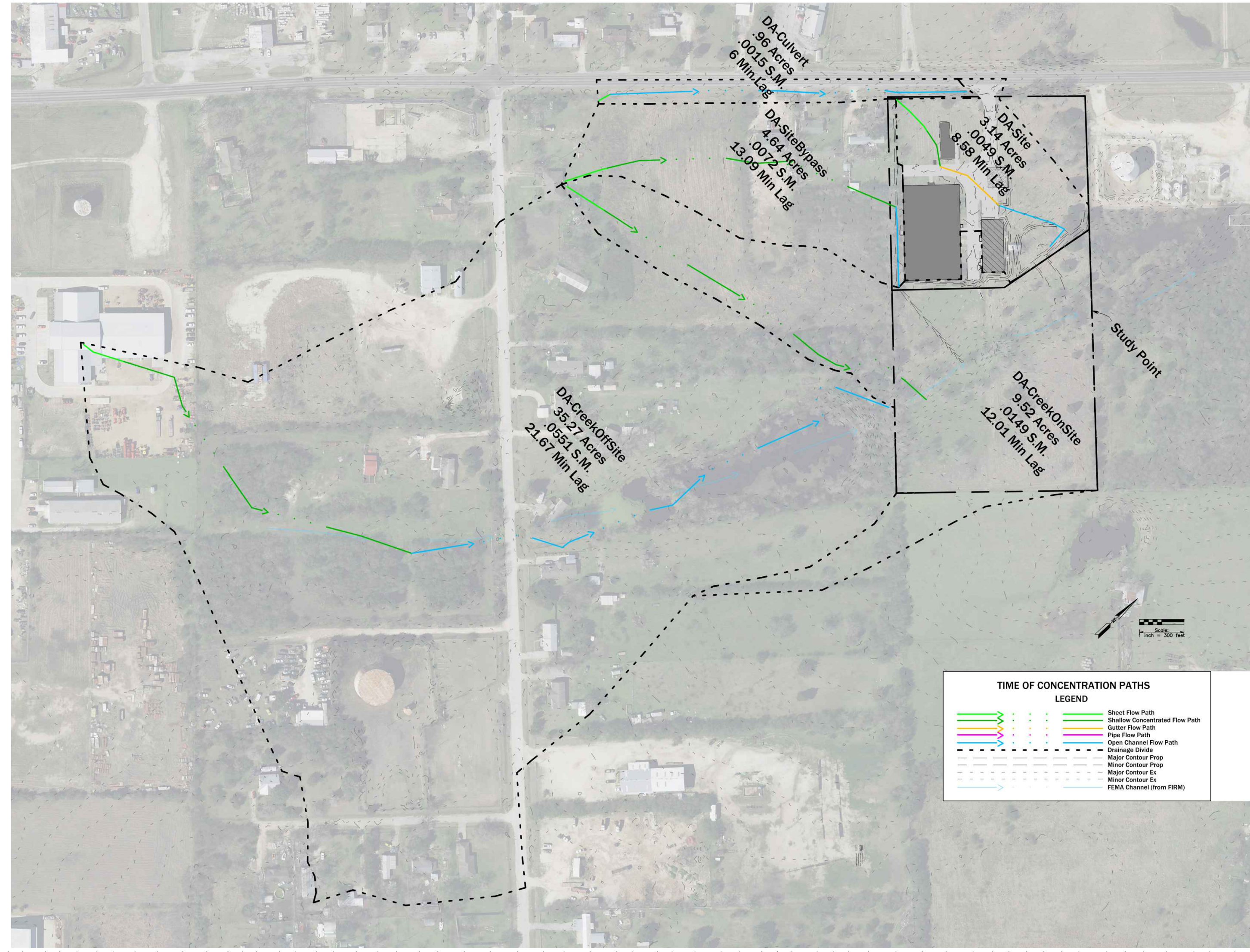
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L1	107.94	N42° 42' 49.13"E	(3542330.78,10246078.05)	(3542404.00,10246157.36)

**Computed Flows from HEC-HMS & Rational Method**

Drainage Area (DA) Name	Hydrograph Method Parameters				Flows Computed by Hydrograph Methods (HEC-HMS)										Rational Method Parameters		Flows Computed by Rational Method (HYD, Section 12)					
	Drainage Area (MI <sup>2</sup> )	Curve Number	Impervious Area (%)	Lag Time (min)	2 Yr-HMS Flow (cfs)	5 Yr-HMS Flow (cfs)	10 Yr-HMS Flow (cfs)	25 Yr-HMS Flow (cfs)	50 Yr-HMS Flow (cfs)	100 Yr-HMS Flow (cfs)	500 Yr-HMS Flow (cfs)	Area (acres)	C Value	2 Yr-HMS Flow (cfs)	5 Yr-HMS Flow (cfs)	10 Yr-HMS Flow (cfs)	25 Yr-HMS Flow (cfs)	50 Yr-HMS Flow (cfs)	100 Yr-HMS Flow (cfs)			
DA-CreekOffSite	0.0551	82	5	21.67	61.7	92.0	114.9	142.5	162.0	180.9	231.9	35.26	0.53	45.5	57.6	71.7	86.4	102.9	118.7			
DA-CreekOnSite	0.0149	82	5	12.01	22.4	33.3	41.6	51.5	58.4	65.1	82.7	9.54	0.53	17.4	21.9	27.1	32.5	38.4	44.1			
DA-Culvert	0.0015	82	25	6	3.2	4.7	5.7	7.0	7.9	8.8	11.0	0.77	0.63	2.3	2.9	3.5	4.2	4.9	5.7			
DA-Site	0.0049	82	5	8.27	8.7	12.8	16.0	19.8	22.5	25.0	31.7	2.38	0.53	5.2	6.6	8.1	9.7	11.4	13.1			
DA-Steilypass	0.0072	82	5	13.09	10.4	15.5	19.3	23.9	27.1	30.3	38.5	3.50	0.53	6.1	7.7	9.5	11.4	13.5	15.5			

**Culvert Capacity Calculations (using HMS Flows)**

Inlet	Downstream Ditch Capacity				Culvert Capacity				Upstream Ditch Capacity				
	Manning's N:	Slope (ft/ft):	Bottom Width (ft):	Side Slope 1 (ft/ft):	Manning's N:	Inlet Coeff:	# of Barrels:	Slope:	Manning's N:	Slope (ft/ft):	Bottom Width (ft):	Side Slope 1 (ft/ft):	Side Slope 2 (ft/ft):
Q2	0.035	0.0251	0	6	0.033	0.4	1	1.00%	0.035	0.0352	0	6	4
Q5	0.035	0.0251	0	6	0.033	0.4	1	1.00%	0.035	0.0352	0	6	4
Q10	0.035	0.0251	0	6	0.033	0.4	1	1.00%	0.035	0.0352	0	6	4
Q25	0.035	0.0251	0	6	0.033	0.4	1	1.00%	0.035	0.0352	0	6	4
Q50	0.035	0.0251	0	6	0.033	0.4	1	1.00%	0.035	0.0352	0	6	4
Q100	0.035	0.0251	0	6	0.033	0.4	1	1.00%	0.035	0.0352	0	6	4
OS00	0.035	0.0251	0	6	0.033	0.4	1	1.00%	0.035	0.0352	0	6	4

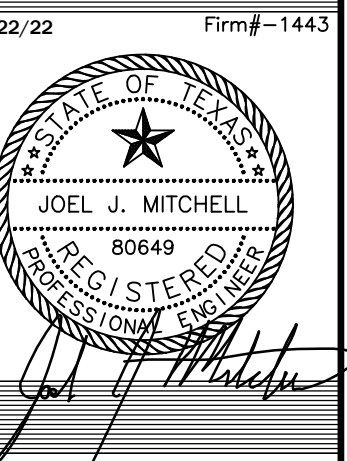


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New Buildings for  
**Hush & Whisper Barrel Storage**  
2898 FM 974, Bryan, Texas 77808

**Revisions**

Number	Date
1	1/30/23
2	2/10/23
3	2/27/23

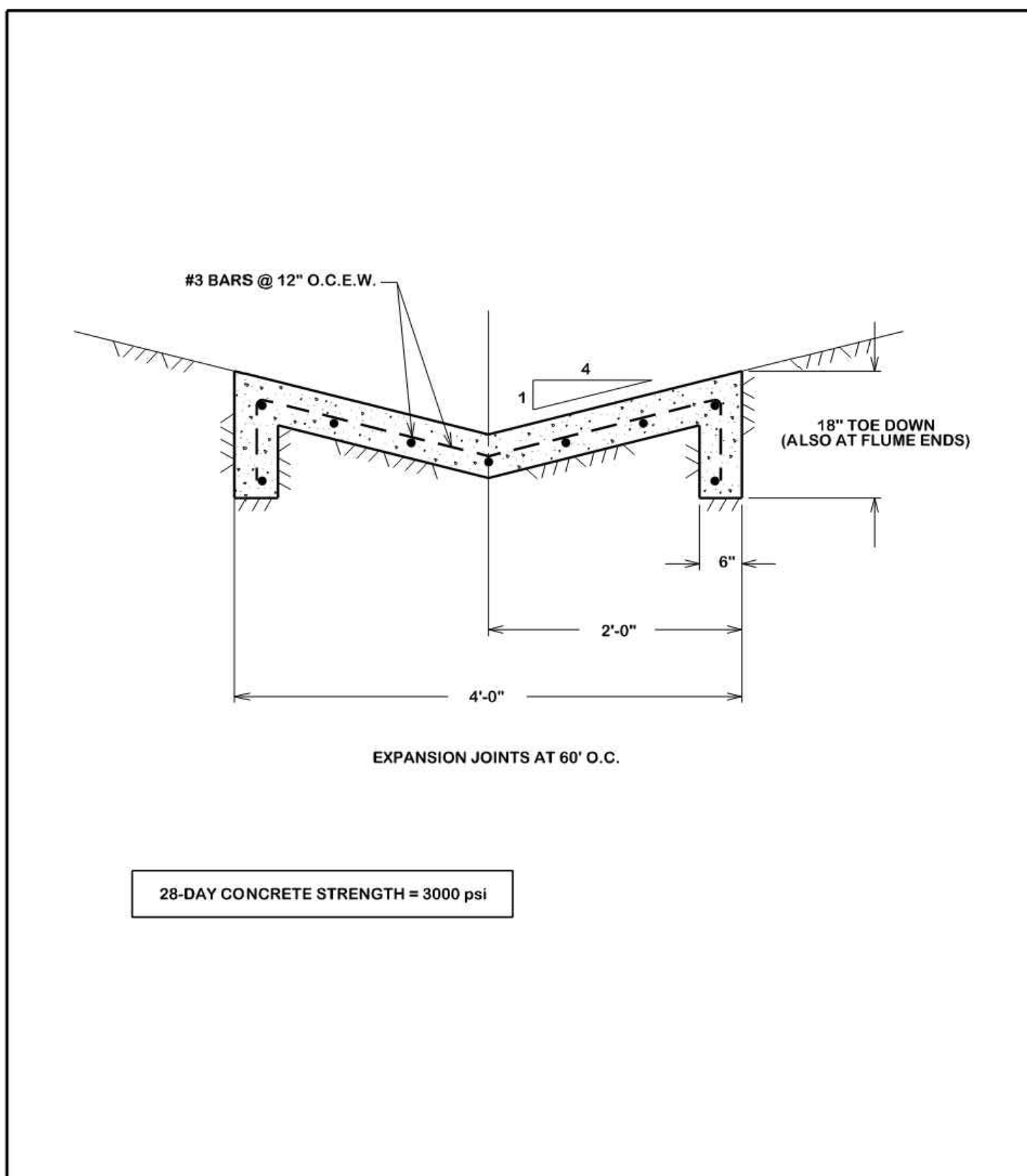
Project 22009  
January, 2023

**C4.0**

**Driveway Culvert**

FILENAME: 22061-04-SD.dwg  
PLOTTED: 13 Mar 2023 - 6:13 pm

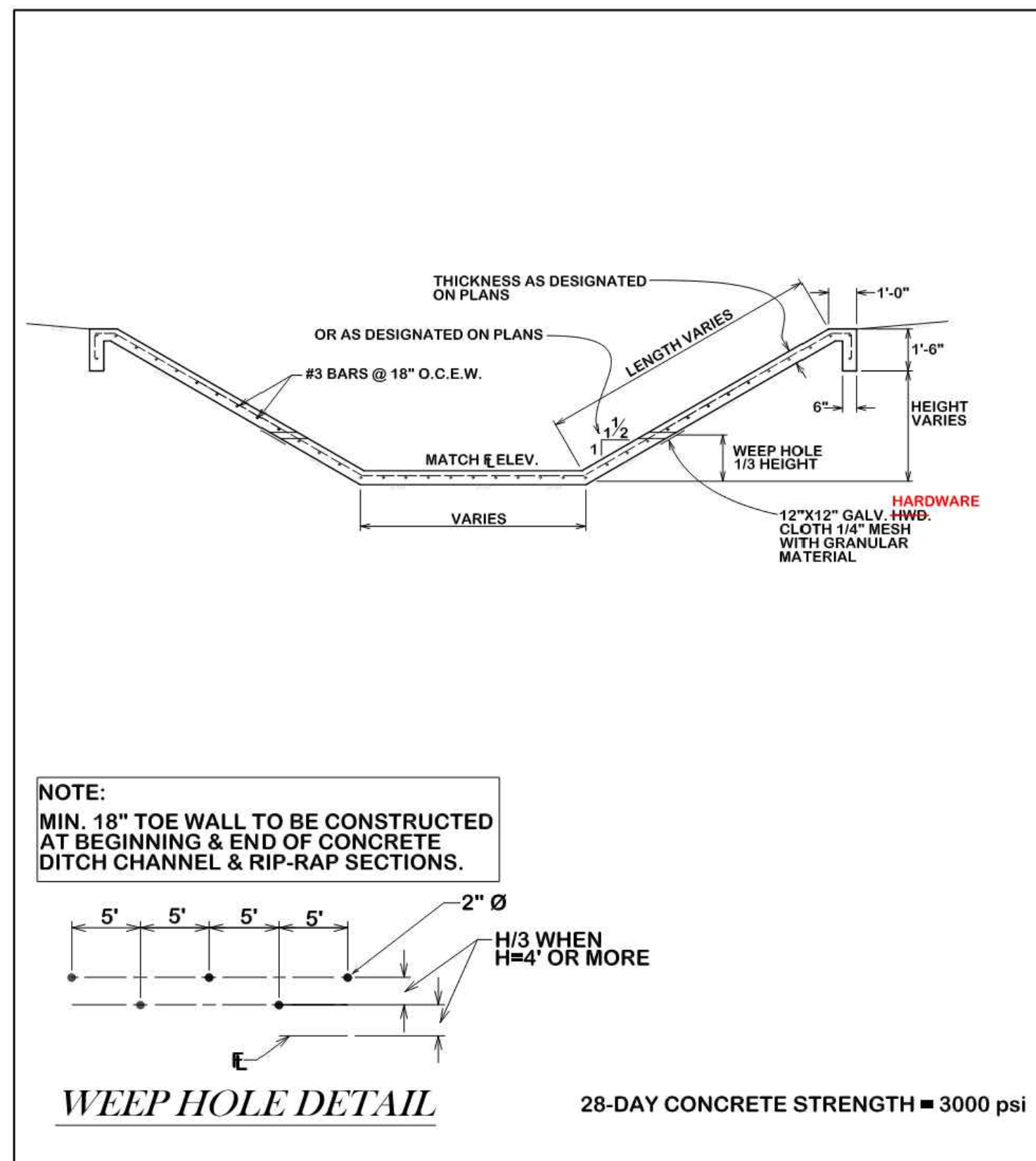




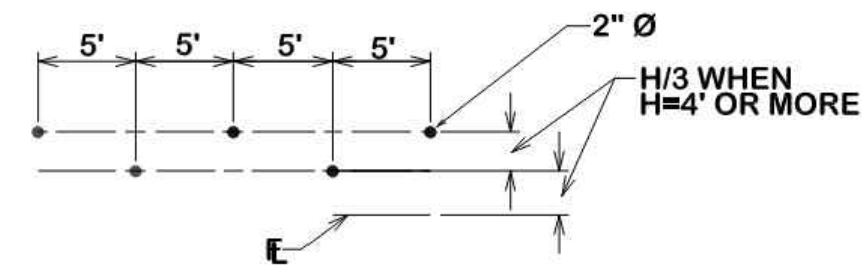
28-DAY CONCRETE STRENGTH = 3000 psi

**STANDARD FLUME SECTION**

DATE	B/C'S UNIFIED STANDARD DETAIL	DETAIL NO.
AUG. 2012		D2-04



**NOTE:**  
MIN. 18" TOE WALL TO BE CONSTRUCTED AT BEGINNING & END OF CONCRETE DITCH CHANNEL & RIP-RAP SECTIONS.



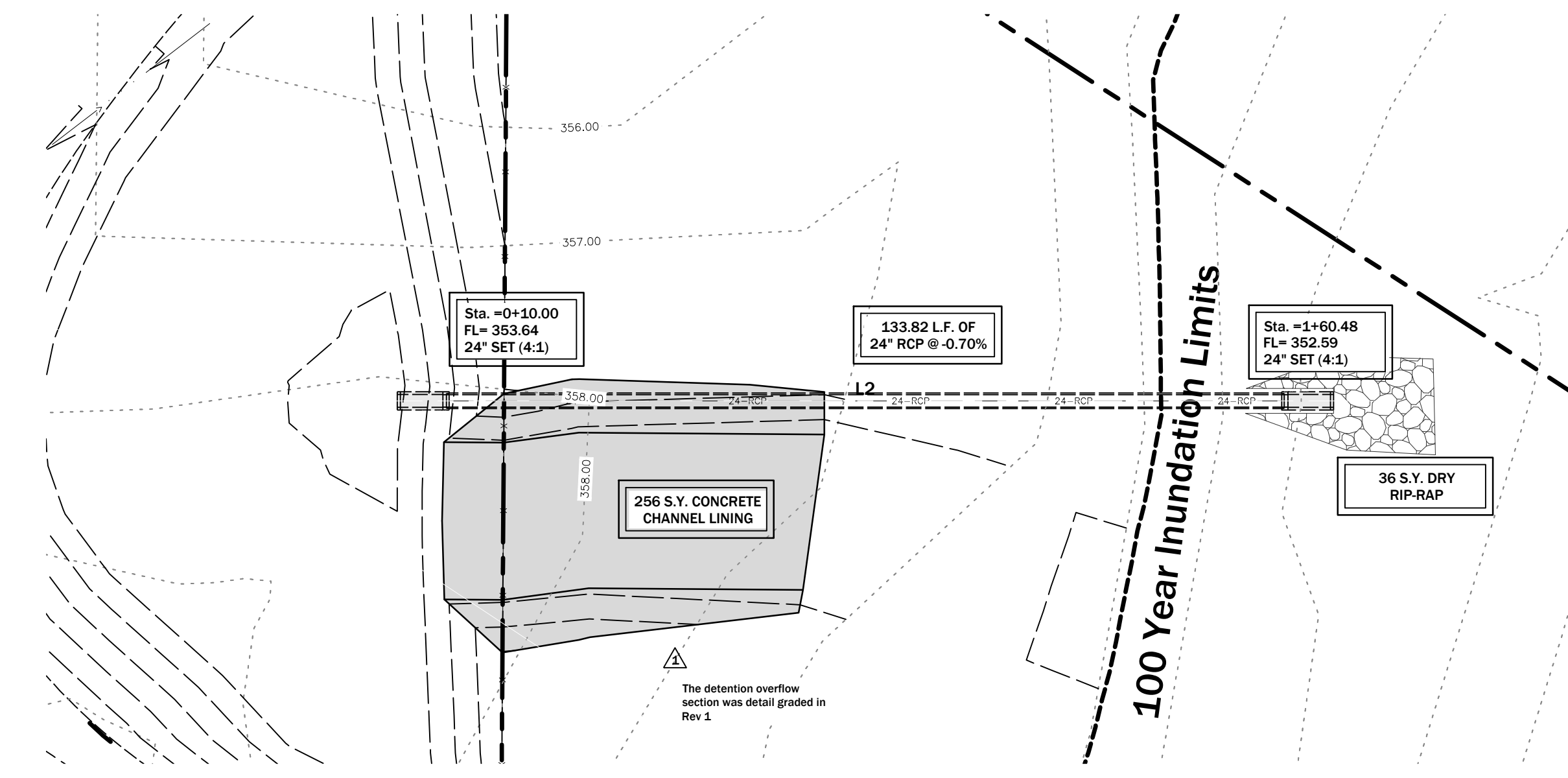
28-DAY CONCRETE STRENGTH = 3000 psi

**CONCRETE CHANNEL LINING**

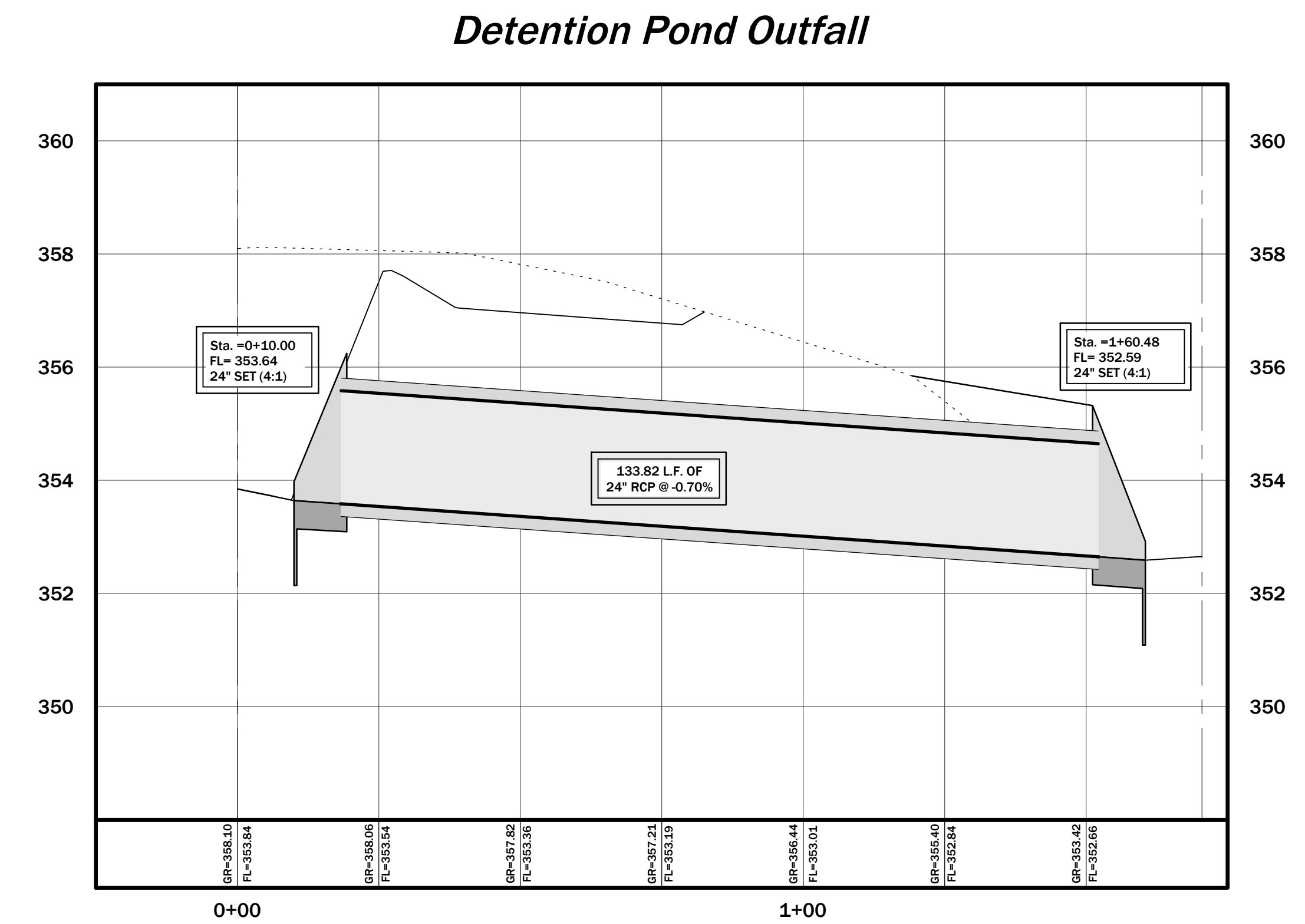
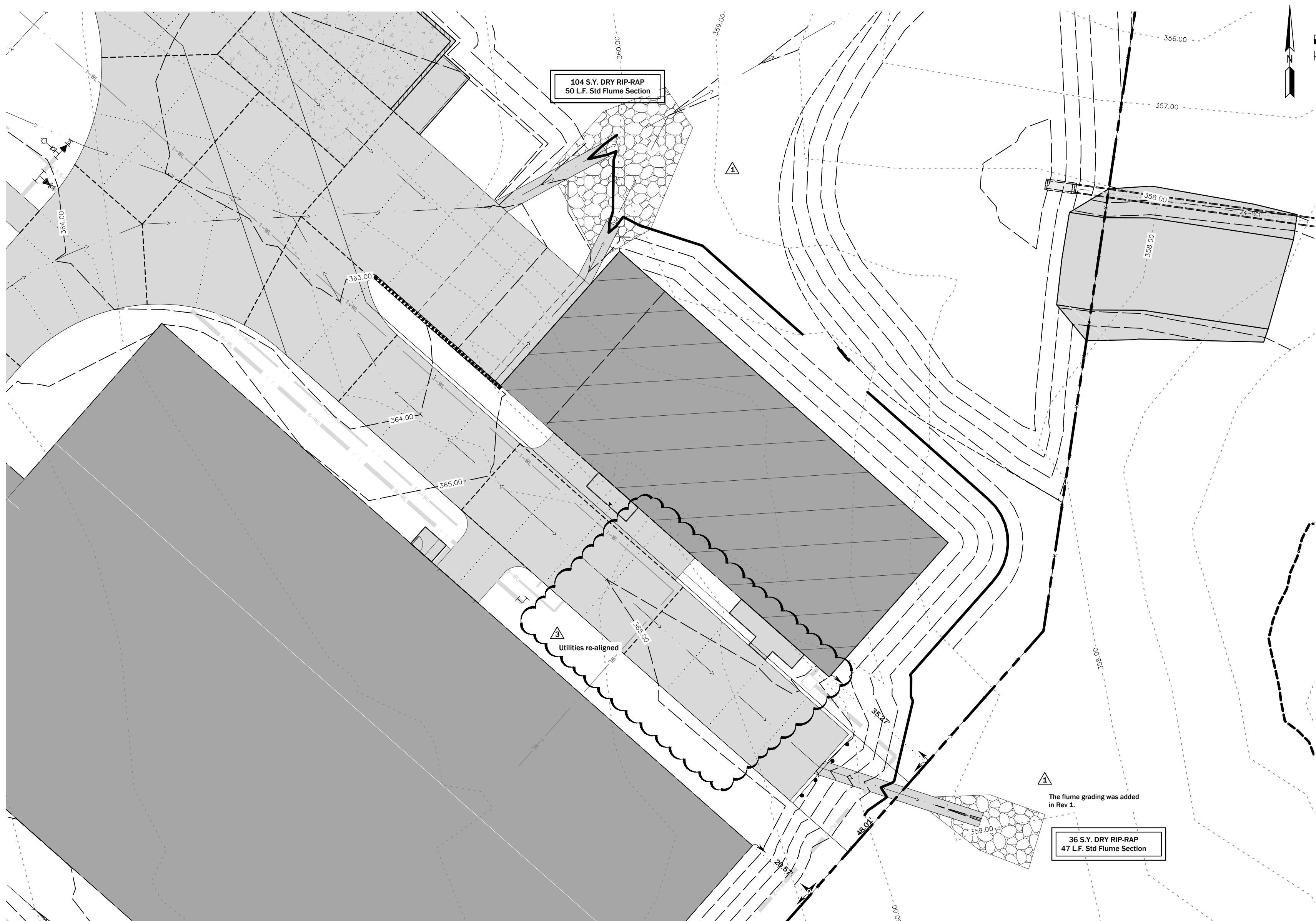
DATE	B/C'S UNIFIED STANDARD DETAIL	DETAIL NO.
DECEMBER 2020		D2-00

**Line Table: Alignments**

Line #	Length	Direction	Start Point	End Point
L2	170.48	S81° 56' 55.68"E	(3542709.12,10245971.04)	(3542877.92,10245947.16)



**DETENTION CULVERT**  
24" RCP (ASTM C76-CL III w/ Rubber Gaskets per ASTM C443)  
SEE DETAIL SHEET FOR EMBEDMENT



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Revisions

Number	Date
1	1/30/23
2	2/10/23
3	2/27/23

Project 22009  
January, 2023

**C4.1**

**Detention Pond Outfall**

FILENAME: 2206104-SD.dwg  
PLOTED: 13 Mar 2023 - 6:13 pm



**SWPPP Information:**  
 B/C/S Unified Specification Section 31.25.13 - EROSION AND SEDIMENTATION CONTROL. SWPPP requires the construction contractor generate the ECP, SWPPP, NOI (if required) and NOT (if required) using this sheet (this sheet is called the "Base Sheet") and narrative to SWPPP. The contractor is also required to update this plan and remove the SWPPP devices after the site is stabilized. See [https://www.txcswat.com/2021\\_Files/Specs/Generals\\_2020.pdf](https://www.txcswat.com/2021_Files/Specs/Generals_2020.pdf) for more detailed information.

**SWPPP Narrative:**  
 Nature of Construction Activity:  
 Drainage, utility, and pavement improvements for building construction.  
 Potential pollutants and sources - Sediment from excavation and equipment movement around the site.

**Schedule of Events:**  
 1. Install silt fencing.  
 2. Install stabilized construction exit.  
 3. Clear and grub  
 4. Install utilities.  
 5. Install pavement.  
 6. Complete grading and install permanent seeding.  
 7. When all construction activity is completed the site is stabilized. Remove silt fence and reseed any area disturbed during construction and assure a healthy ground cover.

**Area of Disturbance:**  
 During the construction of the pavement, drainage, and utility improvements the western portion of the lot will be disturbed.

**Structural Controls:**  
 Temporary stabilization - areas where construction activity temporarily ceases for at least 21 days will be stabilized with temporary seed no later than 14 days from the last construction activity in that area all proposed fill material will be seeded.

**Silt fence and/or rock check dams will be installed at all outfalls, areas where water runs off the site.**

**Storm Water Management:**  
 Storm water drainage will be controlled by the detention pond and existing grassed areas adjacent to the site. All areas affected by construction will be fine graded and have permanent seeding. The remainder of the area will remain in its natural state.

**Offsite vehicle tracking:**  
 A stabilized construction entrance will be provided to help reduce vehicle tracking of sediments. The paved street adjacent to the site entrance will be swept to remove any excess mud, dirt, or rock tracked from the site. Dump trucks hauling material from the construction site will be covered with a tarpaulin.

**Notification of Compliance with State and Local Regulations:**  
 This storm water pollution prevention plan reflects the city's state's requirements for storm water management, erosion, and sediment control. To ensure compliance, this plan was prepared in accordance with the city's drainage policy.

**Maintenance/Inspection Procedures:**  
 These are the inspection and maintenance practices that will be used to maintain erosion and sediment controls:  
 - All control measures will be inspected at least once every 14 days and following any storm event of 0.50 inches or greater.  
 - All BMP's will be maintained in good working order; a repair is necessary if it will be situated within 24 hours of the report.  
 - Built up sediment will be removed from silt fence when it has reached one-half the height of the fence.  
 - Silt fence will be inspected for depth of sediment, tears, to see if the fabric is securely attached to the fence posts, and to see that the fence posts are firmly in the ground.  
 - Temporary and permanent seeding and planting will be inspected for bare spots, washouts, and healthy growth.  
 - A maintenance inspection report will be made after each inspection. The inspection report form will be prepared by the site superintendent and filed for record.  
 - A site superintendent will be responsible for inspections, maintenance and repair activities, and filling out the inspection and maintenance report.

**Non-storm Water Discharges:**  
 It is expected that the following non-storm water discharges will occur from the site during the construction period:  
 - Water from water line flushing

**Site Description:**  
 Hush & Whisper Barrel Storage  
 2989 FM 179  
 Bryan, TX 77802  
 Owner's Contact Information  
 Name: Chuck Sesock, Project Manager  
 Company: Tabor Road Ventures  
 Address: 110 North Main, Bryan, Texas 77803  
 Phone: (979)229-7313

The site is not located on Indian lands.  
 Latitude: 30°42'53.09"N  
 Longitude: 96°22'04.65"W

M54 operator name: City of Bryan, Texas  
 Receiving water body: Wickson Creek  
 Estimated area to be disturbed: 2.1 acres

The storm water pollution prevention plan shall be in compliance with state and local sediment and erosion plans.

**Operator Requirements:**  
 The operator shall submit a NOI to TCEQ (when applicable) and a copy to the operator and post a copy at the construction site in a location where it is readily available for viewing prior to commencing construction activities, and maintain the notice in that location until completion of the construction activity.

The operator shall provide a copy of NOI to the operator of the municipal separate storm sewer system receiving the discharge, at least two (2) days prior to commencing construction activities.

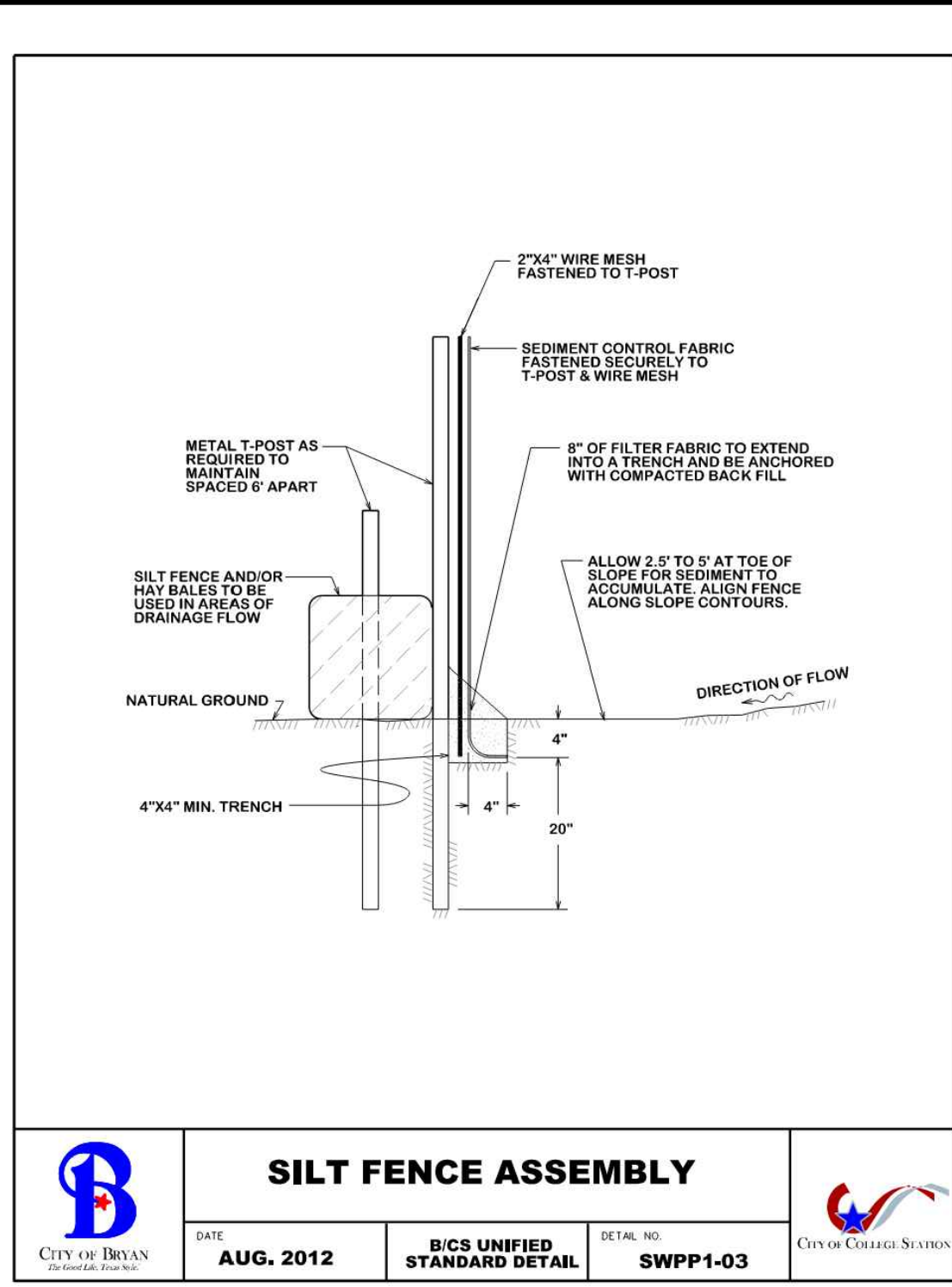
The operator shall submit a NOT to TCEQ (when applicable) and a copy to the operator of the municipal storm sewer system once the final stabilization has been achieved and the temporary erosion controls have been removed.

Controls must be developed to limit, to the extent practicable, offsite transport of silt, construction debris and construction materials.

**Operator Inspection Requirements:**  
 The following records must be maintained and either attached to or referenced in the storm water plan:  
 - The dates when major grading activities occur.  
 - The dates when construction activities temporarily or permanently cease on a portion of the site.  
 - The dates when stabilization measures are initiated.

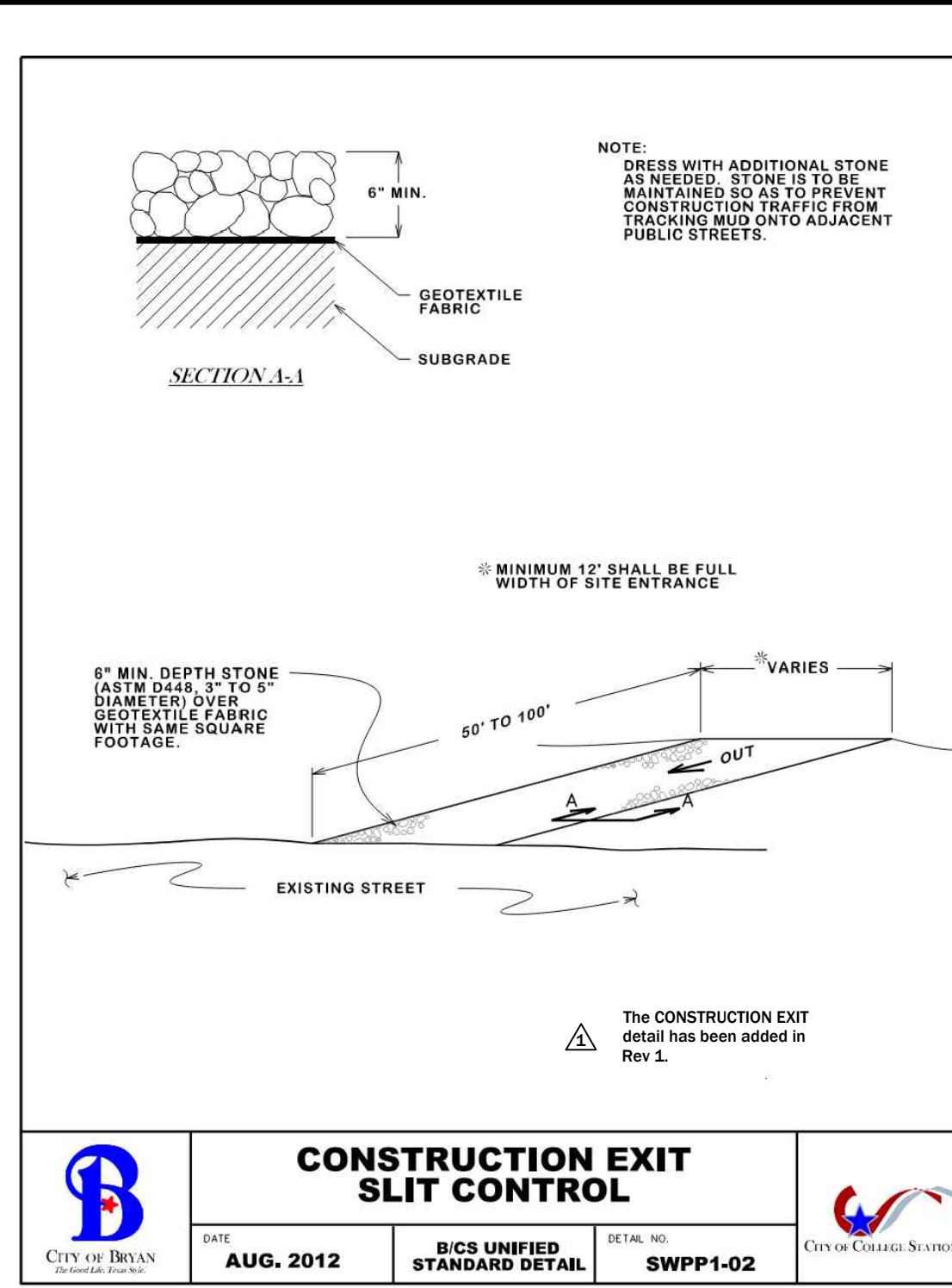
A report summarizing the scope of the inspection, name and qualifications of personnel making the inspection, the dates of the inspection, and major observations must be made and retained with the storm water plan. Major observations should include:  
 - The locations of discharges of sediment or other pollutants from the site.  
 - Locations of BMP's that failed to operate as designed or proved inadequate for a particular location; and location where additional BMP's are needed.

**Operator's Record Keeping:**  
 The permittee must retain the following records for a minimum of 3 years from the date that a NOT is submitted:  
 1. A copy of the storm water plan and All reports and actions required by this permit, including a copy of the construction site notice all data used to complete the NOI.



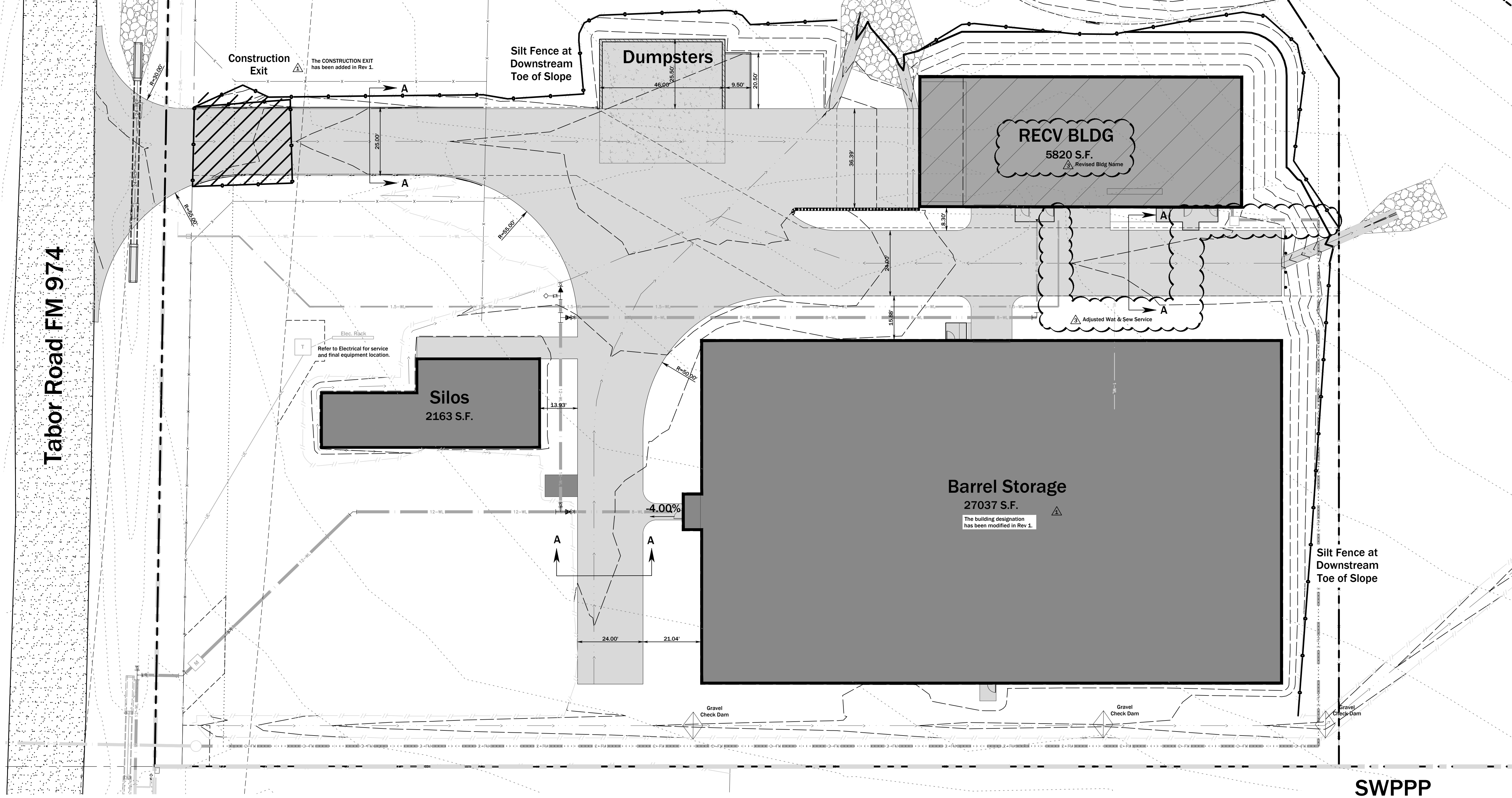
**SILT FENCE ASSEMBLY**

DATE	B/C/S UNIFIED STANDARD DETAIL	DETAIL NO.
AUG. 2012	SWPPP-03	



**CONSTRUCTION EXIT SILT CONTROL**

DATE	B/C/S UNIFIED STANDARD DETAIL	DETAIL NO.
AUG. 2012	SWPPP-02	



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12/22/22 Firm # 1443  
 JOEL J. MITCHELL  
 REGISTERED PROFESSIONAL ENGINEER

New Buildings for  
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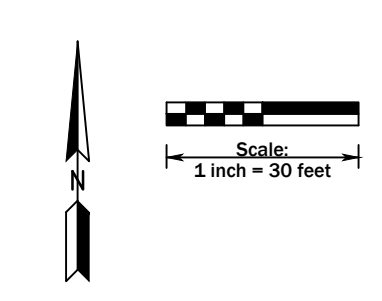
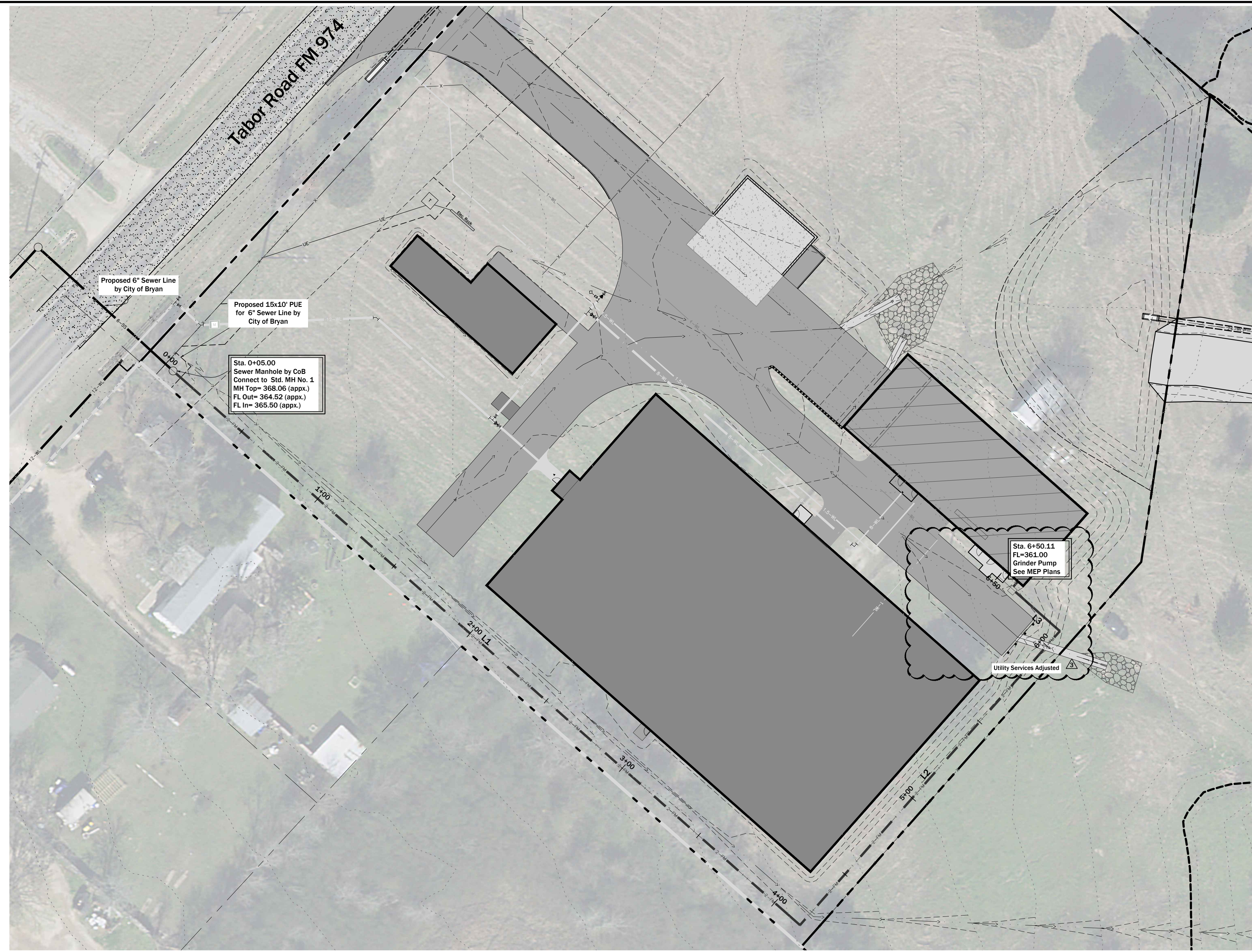
Revisions	Number	Date
	1	1/30/23
	2	2/10/23
	3	2/27/23

Project 22009  
 January, 2023

**C5.0**

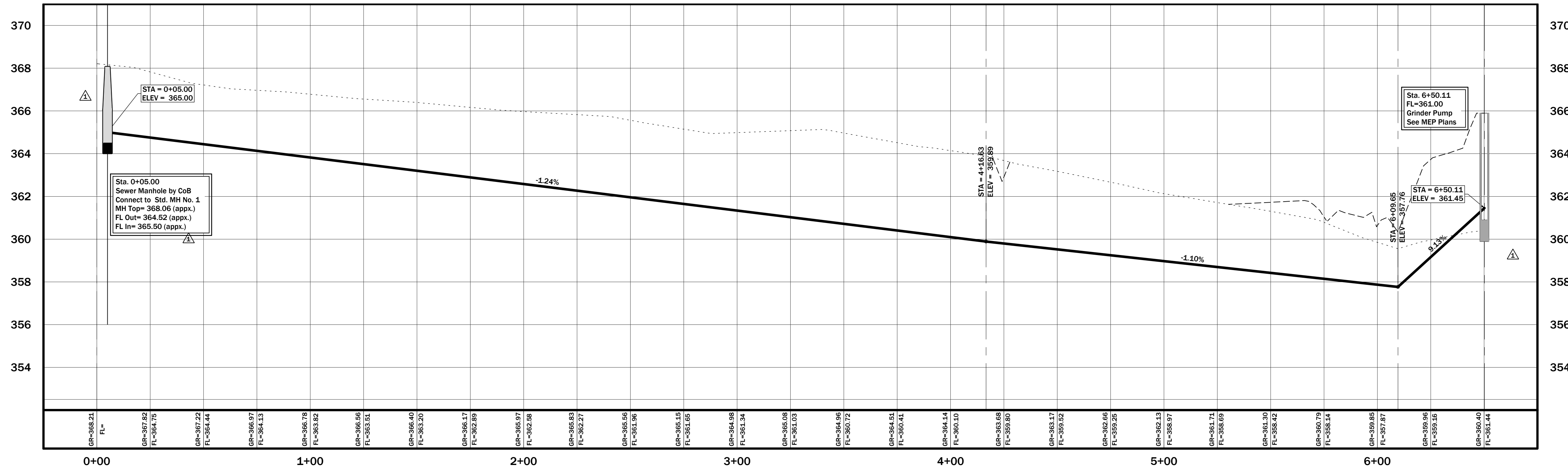
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**Line Table: Alignments**

Line #	Length	Direction	Start Point	End Point
L1	416.63	S48° 31' 34.37"E	(3542238.43,10245945.99)	(3542550.60,10245670.06)
L2	193.01	N41° 28' 25.63"E	(3542550.60,10245670.06)	(3542678.43,10245814.68)
L3	40.46	N48° 21' 12.73"W	(3542678.43,10245814.68)	(3542648.19,10245841.57)



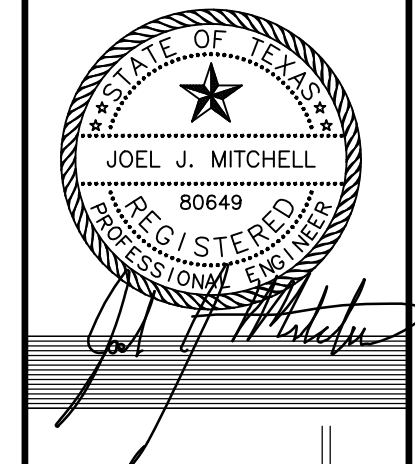
**SEWER LINE SE-1**  
 2" PVC (ASTM D2241 SDR 26) FORCE MAIN  
 SEE DETAIL SHEET FOR EMBEDMENT

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Project 22009  
 January, 2023

C5.1

**Sewer Line**

This entire sheet has been revised with Rev 1

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