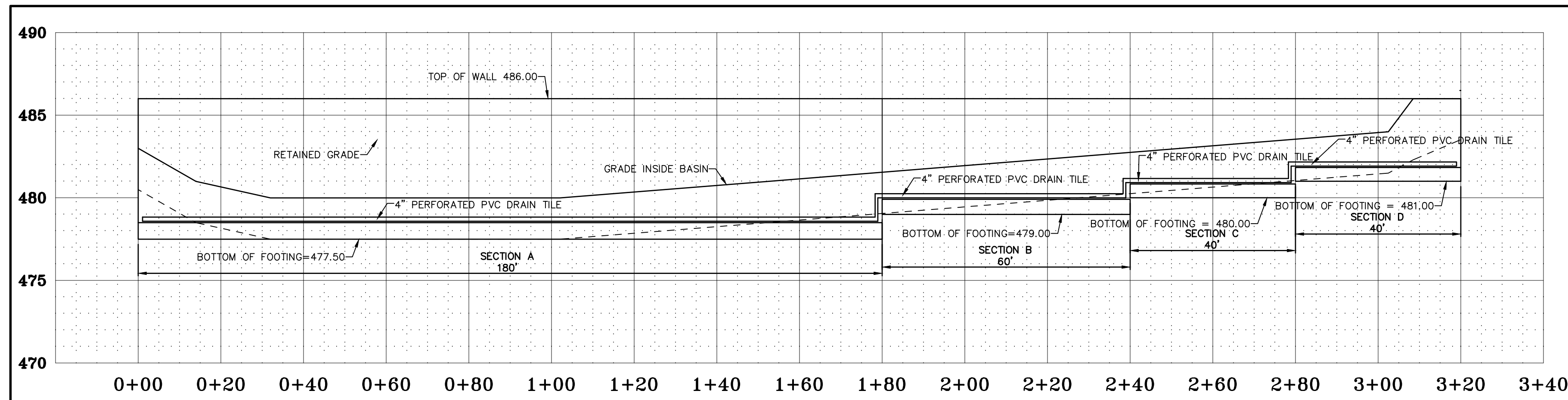


**Detention Basin Detail**

SCALE: 1"=20'  
NOTE: TW = TOP OF WALL

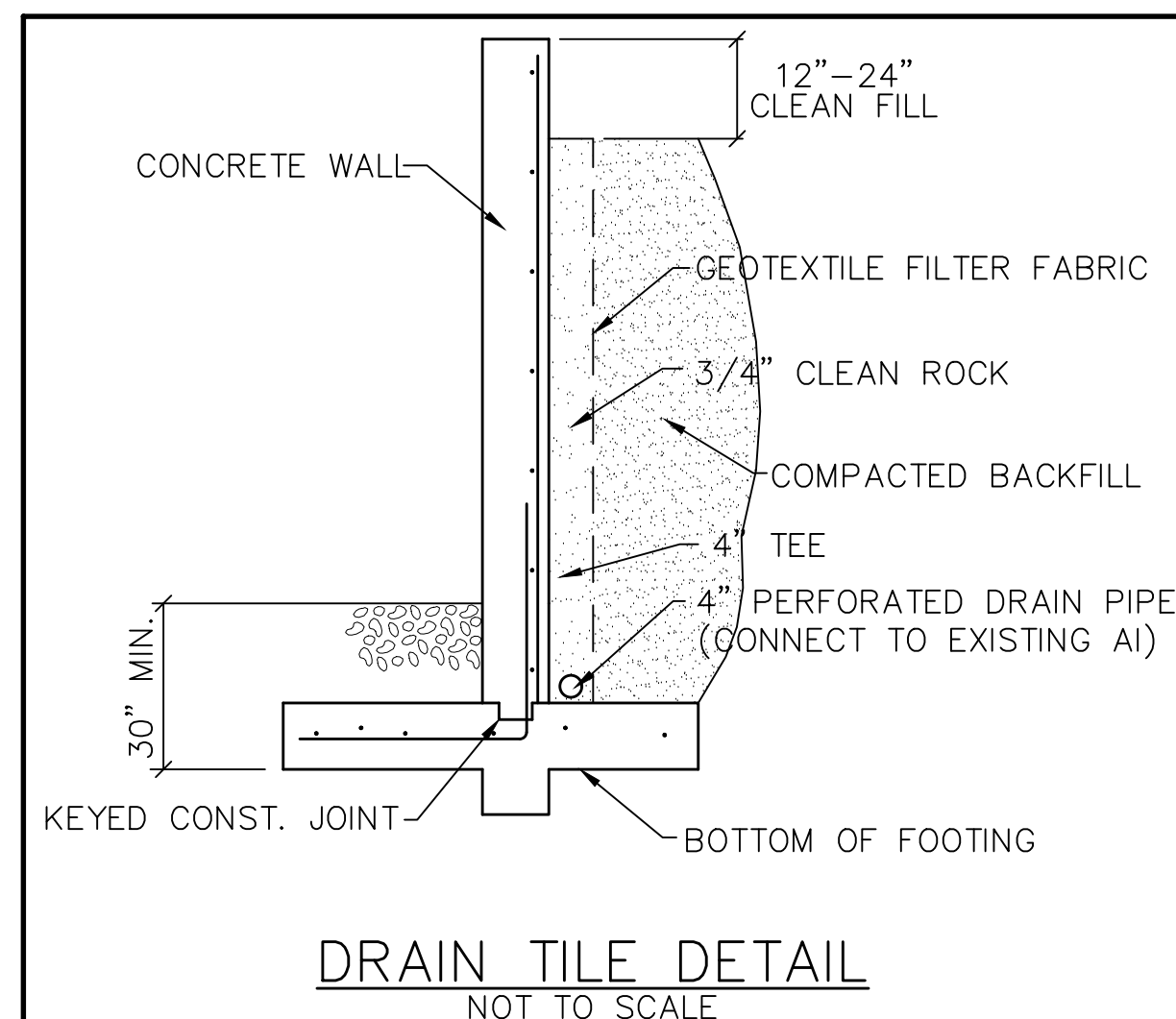


**South Retaining Wall Detail**

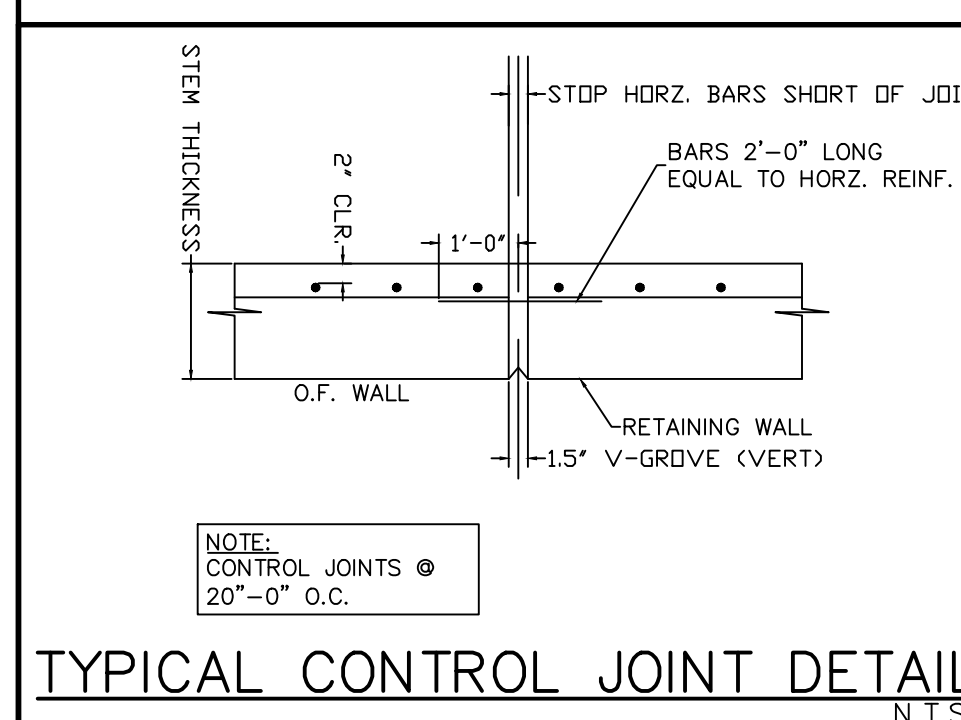
HORIZONTAL SCALE: 1"=20'  
VERTICAL SCALE: 1"=5'

**RETAINING WALL NOTES:**

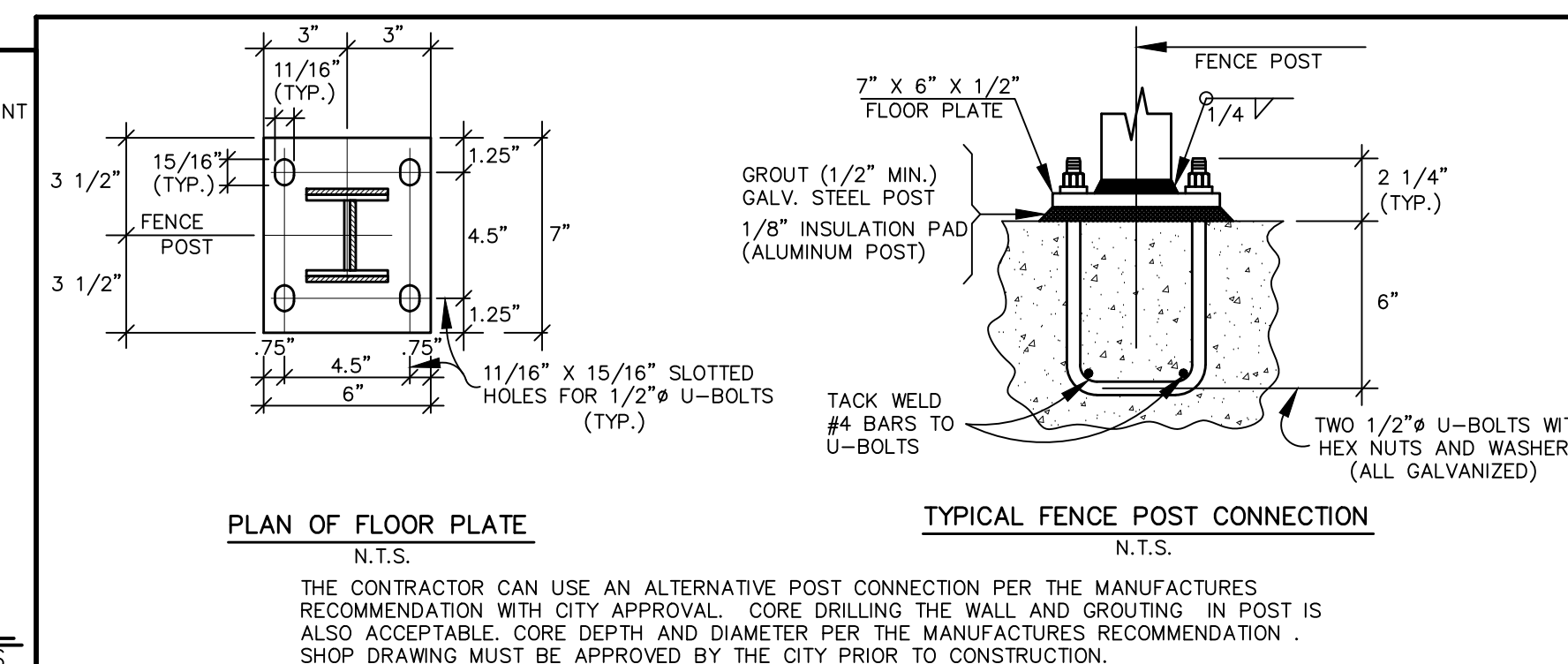
1. CONCRETE F'C = 3000 P.S.I.
2. REINFORCED STEEL: GRADE 60 (MIN.) F<sub>y</sub> = 60,000 P.S.I. F'S = 20,000 P.S.I. (MIN.)
3. SOIL BENEATH FOOTING TO HAVE ALLOWABLE SOIL PRESSURE OF 2,000 P.S.F. MINIMUM.
4. CLEAR DISTANCE FOR REINFORCEMENT: BOTTOM REINFORCEMENT OF FOOTINGS = 3" ALL OTHER LOCATIONS = 2"
5. BACKFILL TO BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE "MODIFIED AASHTO T-180 COMPACTION TEST."
6. BOTTOM OF FOOTINGS OF REINFORCED CONCRETE RETAINING WALL SHALL BE MINIMUM OF 30" BELOW PROPOSED GROUND SURFACE.
7. UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO ANY GRADING OR CONSTRUCTION OF THE IMPROVEMENTS.
8. WHEN STEM WALL AND FOOTING ARE POURED SEPARATELY, A 2"x4" KEYED CONSTRUCTION JOINT SHALL BE PROVIDED BETWEEN STEM WALL AND FOOTING.
9. CONTROL JOINTS SHALL BE PROVIDED AT MINIMUM 20 FT SPACING.
10. EXPANSION JOINTS SHALL BE PROVIDED AT A MINIMUM 100 FT SPACING.



**DRAIN TILE DETAIL**  
NOT TO SCALE



**TYPICAL CONTROL JOINT DETAIL**  
N.T.S.



**PLAN OF FLOOR PLATE**  
N.T.S.

**TYPICAL FENCE POST CONNECTION**  
N.T.S.

THE CONTRACTOR CAN USE AN ALTERNATIVE POST CONNECTION PER THE MANUFACTURER'S RECOMMENDATION WITH CITY APPROVAL. CORE DRILLING THE WALL AND GROUTING IN POST IS ALSO ACCEPTABLE. CORE DEPTH AND DIAMETER PER THE MANUFACTURER'S RECOMMENDATION. SHOP DRAWING MUST BE APPROVED BY THE CITY PRIOR TO CONSTRUCTION.

UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATIONS SHALL BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SHALL BE LOCATED PRIOR TO ANY GRADING OR CONSTRUCTION OF THE IMPROVEMENTS.

**PROJECT TITLE:**  
CONSTRUCTION PLANS FOR  
Scrubbers Car Wash  
Highway K  
O'Fallon, MO 63368

Box Project # 98-10029P Issue Date: 07/21/2023

**ENGINEERING  
PLANNING  
SURVEYING**  
221 Point West Blvd.  
St. Charles, MO 63301  
636-928-5552  
FAX 636-928-1718



DISCLAIMER OF RESPONSIBILITY  
I hereby certify that the documents intended to be authenticated by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project.



Larry E. Wicker  
CIVIL ENGINEER  
2007020343  
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**REVISIONS**

|          |                 |
|----------|-----------------|
| 08-03-23 | FORCE MAIN      |
| 09-13-23 | CONTRACTOR/PWS  |
| 09-27-23 | REPLACE         |
| 10-26-23 | CITY COMMENTS   |
| 11-08-23 | PAY CANOPY REV. |
| 12-06-23 | CITY COMMENTS   |
| 12-13-23 | PWS COMMENTS    |
| 12-18-23 | MODOT COMMENTS  |
| 01-10-24 | LIGHT STANDARDS |

**Developer / Owner:**  
Tifton Car Wash, L.L.C.  
P.O. Box 7726  
Tifton, GA 31793  
(229) 520-2244

**DETENTION BASIN DETAILS**

**P+Z No.** 22-007743  
Approved: 10-06-22

**City No.** #

**Page No.**

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