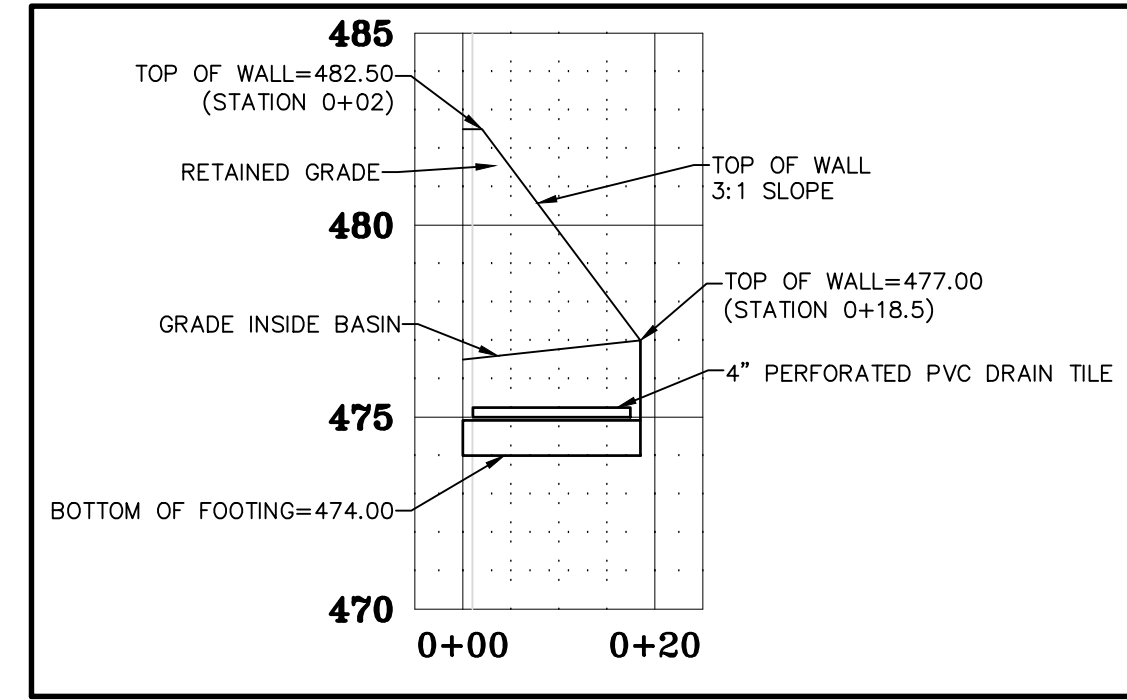


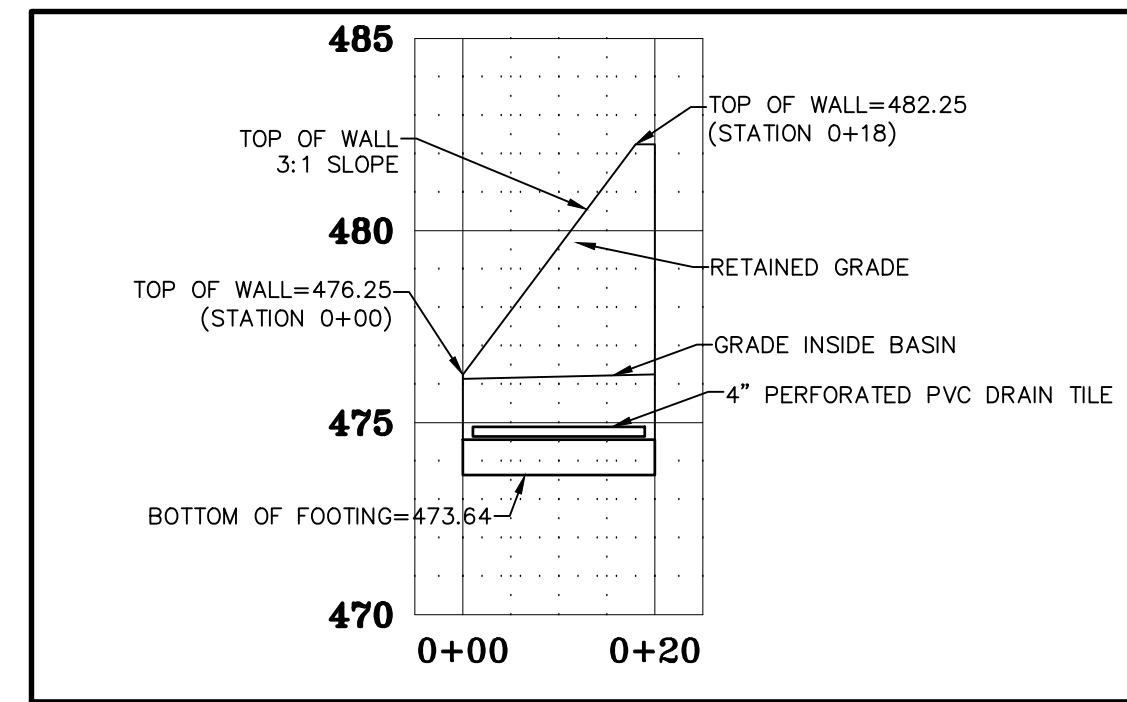
Box Culvert Wing Details

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



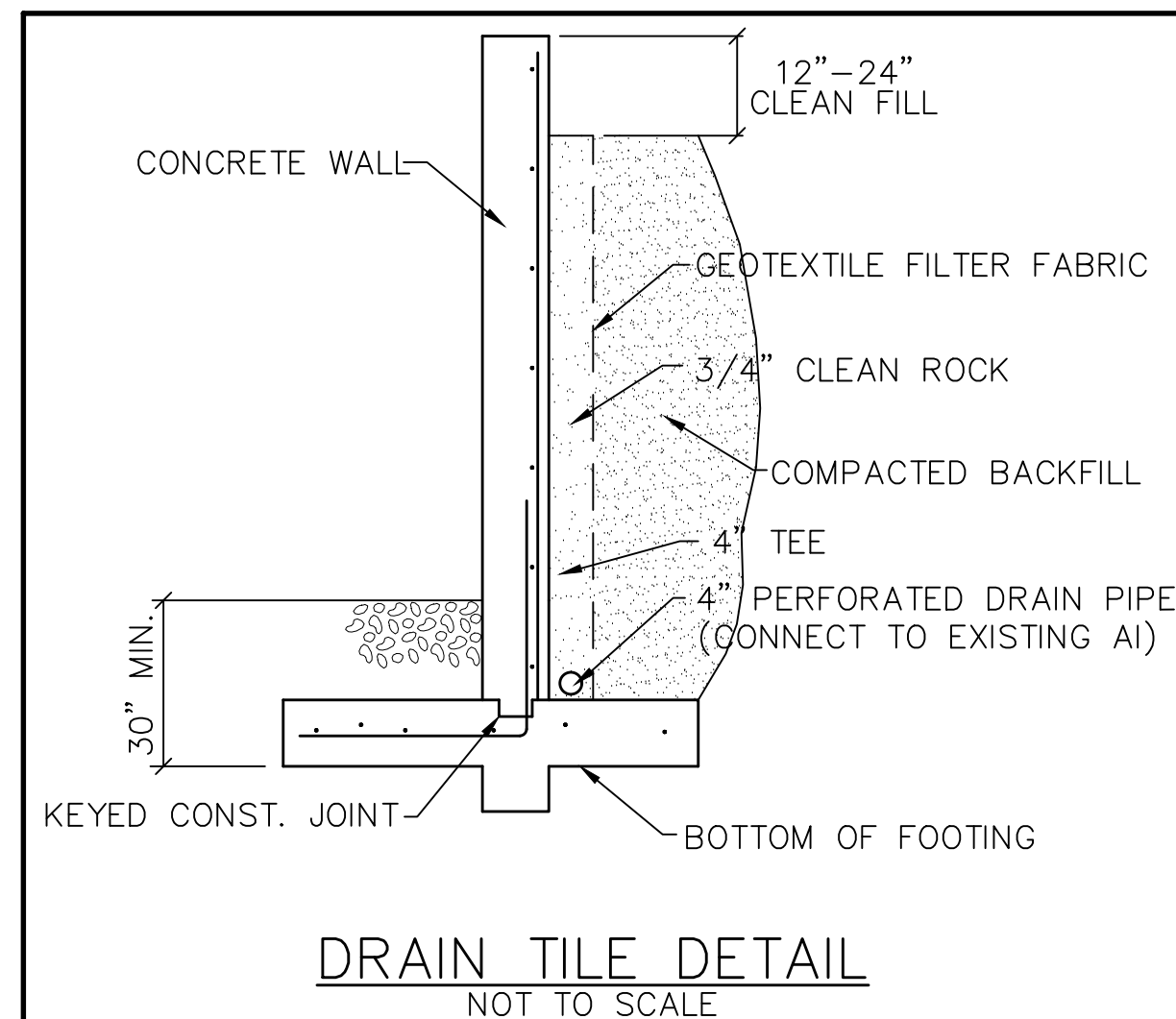
Box Culvert North Wing Detail

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



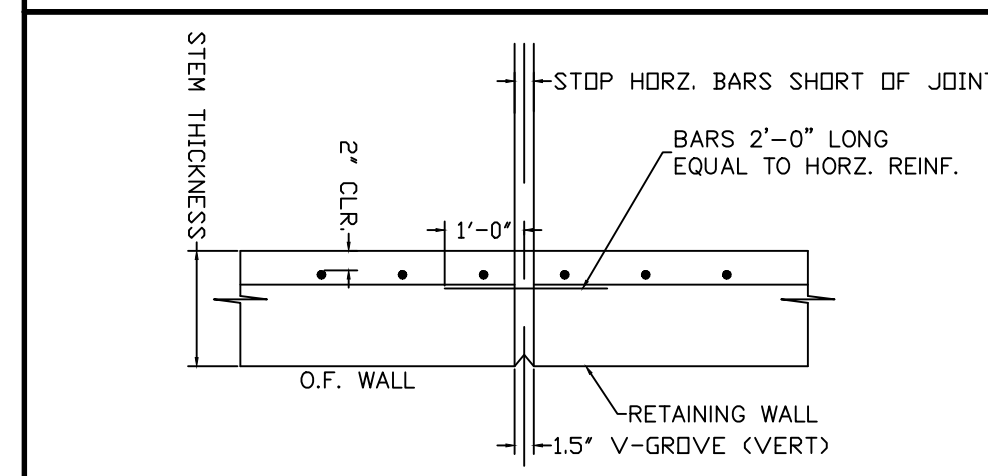
Box Culvert South Wing Detail

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



DRAIN TILE DETAIL

NOT TO SCALE

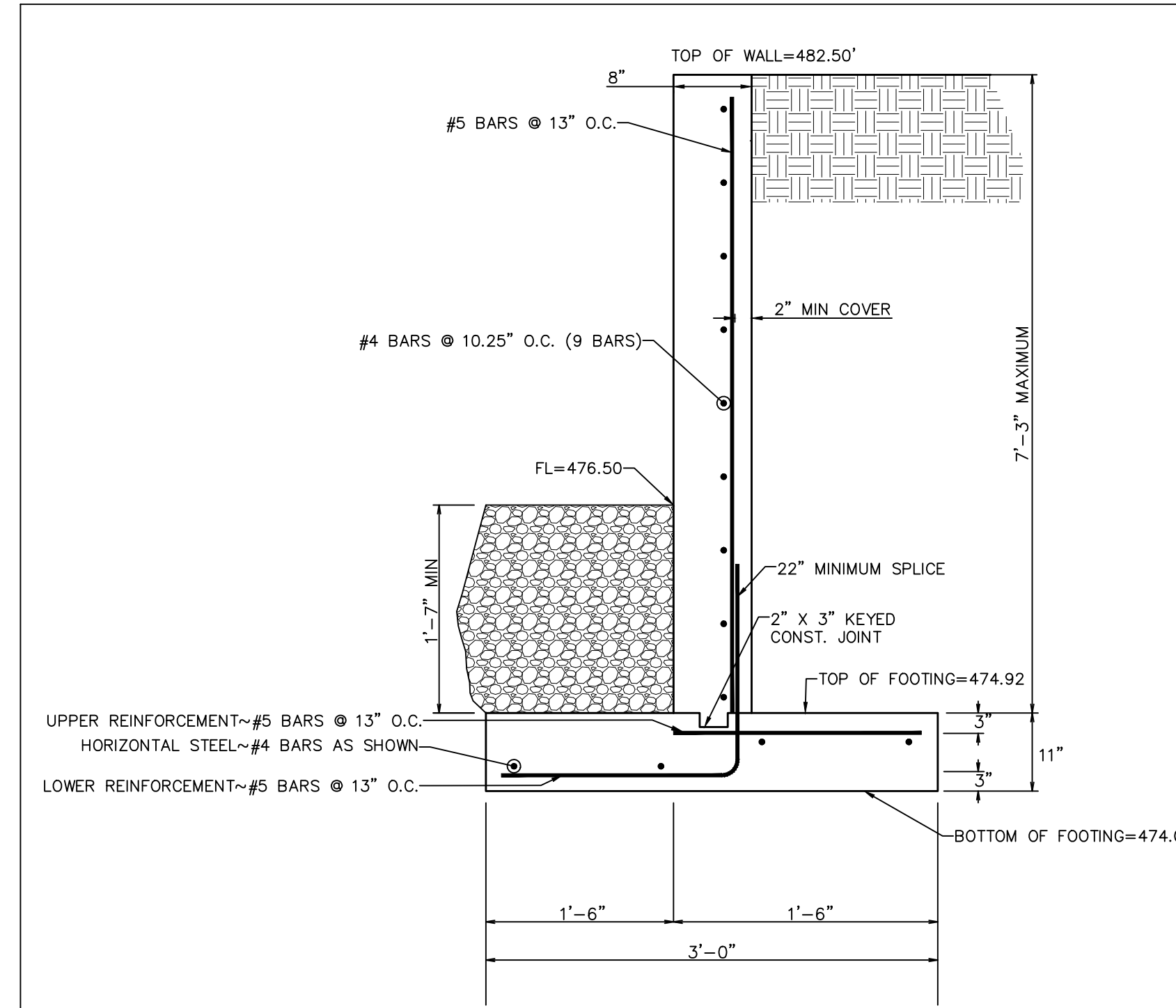


TYPICAL CONTROL JOINT DETAIL

N.T.S.

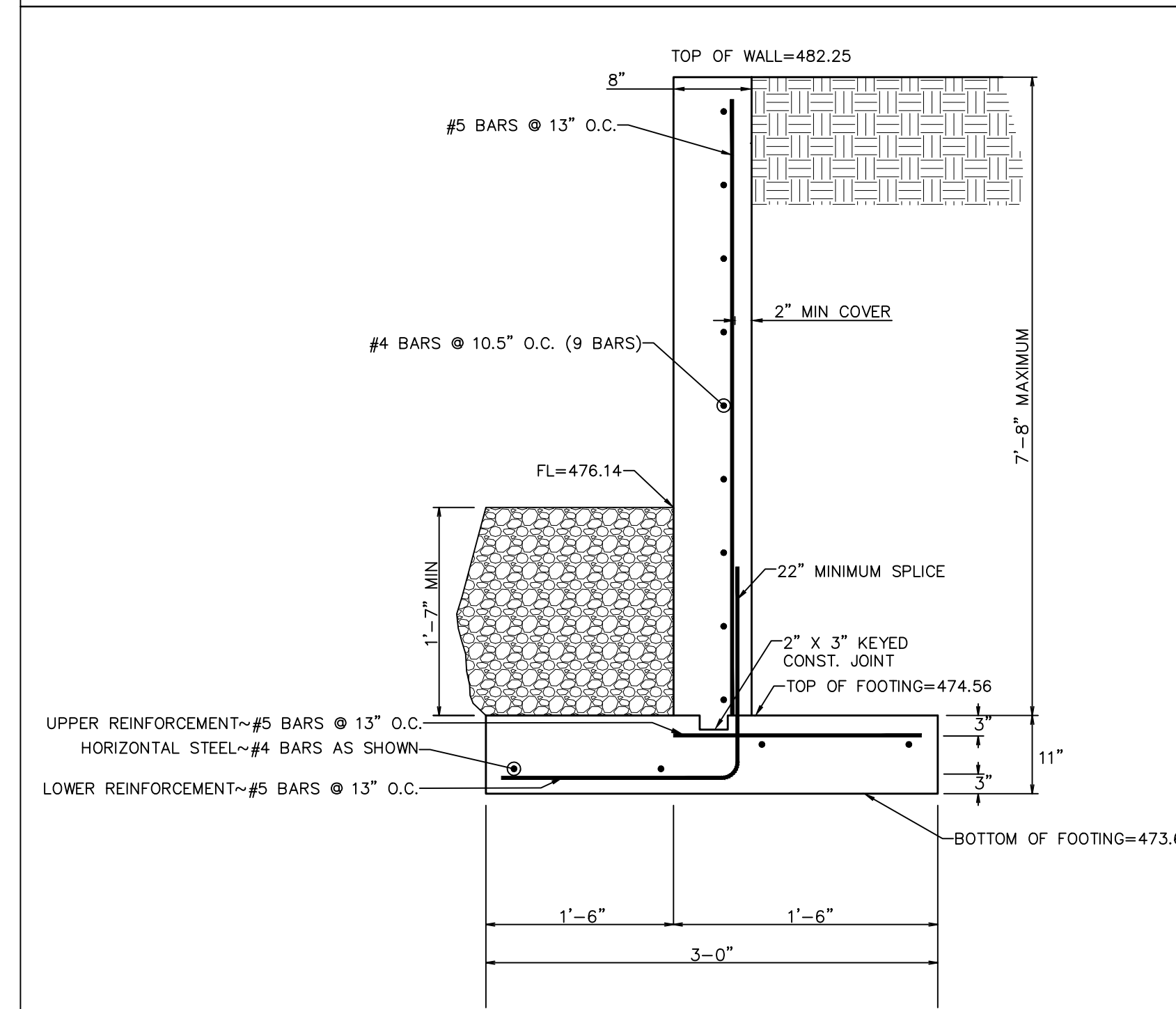
RETAINING WALL NOTES:

1. CONCRETE F'C = 3000 P.S.I.
2. REINFORCED STEEL: GRADE 60 (MIN.) FY = 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.



NORTH WING WALL CROSS SECTION (STATION 0+00)

NOT TO SCALE

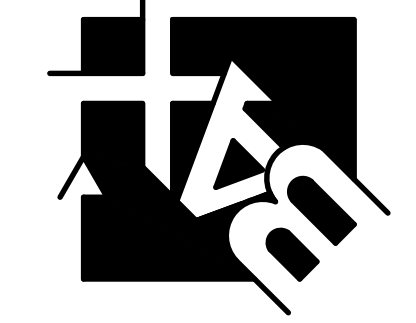


SOUTH WING WALL CROSS SECTION (STATION 0+00)

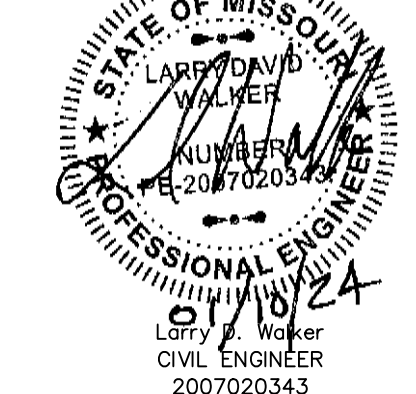
NOT TO SCALE

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

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



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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.



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REVISIONS

08-03-23	FORCE MAIN
09-13-23	COMMENTS/PSWD
09-27-23	REMOVE PLACE
10-26-23	CITY COMMENTS
11-08-23	PAY CANOPY REV.
12-06-23	CITY COMMENTS
12-13-23	PSWD 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

WING WALL DETAILS

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

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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.

Issue Date: 07/21/2023