



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

September 13, 2011

CALL NO. 301
CONTRACT ID NO. 112309
ADDENDUM # 1

Subject: Spencer County, CPTL 108 702C
Letting September 23, 2011

- (1) Added - Plan Sheets - 1 through 3
- (2) Revised - Special Note - Pages 9-14 of 54

Proposal revisions are available at <http://transportation.ky.gov/contract/>.
Plan revisions are available at <http://www.lynnimaging.com/kytransportation/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith
Director
Division of Construction Procurement

RG:ks
Enclosures



An Equal Opportunity Employer M/F/D

CONSTRUCT BULK SALT STORAGE STRUCTURE

KENTUCKY DEPARTMENT OF HIGHWAYS

3375 BLOOMFIELD ROAD
TAYLORSVILLE, SPENCER COUNTY, KENTUCKY 40071

COMMONWEALTH OF KENTUCKY

GOVERNOR STEVEN BESHEAR

TRANSPORTATION CABINET
DIVISION OF FACILITIES SUPPORT
1219 WILKINSON BOULEVARD
FRANKFORT, KENTUCKY 40622

GENERAL NOTES

GENERAL DESCRIPTION OF WORK

THIS PROJECT IS FOR THE CONSTRUCTION OF A 80'-3" LONG X 60'-0" WIDE X 10' HIGH REINFORCED CONCRETE BUILDING FOR THE STORAGE OF BULK ROADWAY DEICING SALT. SHALLOW, REINFORCED CONCRETE SPREAD FOOTINGS WILL BE CONSTRUCTED ON A BUILDING PAD WHICH HAS BEEN CONSTRUCTED BY STATE FORCES. 10 FOOT HIGH X 12 INCH THICK REINFORCED CONCRETE WALLS WILL BE CONSTRUCTED ON THE FOOTING AND WILL SUPPORT A PRE-ENGINEERED, MEMBRANE COVERED (ROOF) STRUCTURE (PMCS).

CONSTRUCTION SPECIFICATIONS

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, INCLUDING APPLICABLE STANDARD DRAWINGS. UNLESS NOTED OTHERWISE.

SAFETY STANDARDS

ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH APPLICABLE STATE, FEDERAL AND LOCAL LAWS GOVERNING SAFETY, HEALTH AND SANITATION.

ROOF STRUCTURE

THE ROOF STRUCTURE IS TO BE FURNISHED & INSTALLED BY BULK STORAGE, INC., PER THEIR MASTER AGREEMENT WITH THE FINANCE CABINET UPON COMPLETION OF THIS PROJECT. CONTRACTOR SHALL VERIFY ALL DIMENSIONS FOR ROOF STRUCTURE WITH TED DEERY OF BULK STORAGE, INC.

BULK STORAGE, INC. REQUIRES INSPECTION OF WALL FORMS PRIOR TO PLACING CONCRETE TO ASSURE ACCURACY OF FIELD CONDITIONS.

CONCRETE

CLASS "A" CONCRETE SHALL BE USED THROUGHOUT (3,500 PSI COMPRESSIVE STRENGTH). 1-1/2 LBS OF POLYPROPYLENE, MONOFILAMENT FIBERS PER CUBIC YARD SHALL BE ADDED. "DURA FIBER" OR APPROVED EQUIVALENT TO BE USED. THE FOOTING AND WALLS MUST BE EITHER "WET" COURED OR CURED WITH AN APPROVED CURING COMPOUND PER THE KYTC SPECIFICATIONS.

REINFORCEMENT

STEEL REINFORCEMENT SHALL BE EPOXY COATED, FY=60,000 PSI (GRADE 60) DIMENSIONS SHOWN FROM THE FACE OF CONCRETE TO BARS ARE CLEAR DISTANCES UNLESS SHOWN OTHERWISE. SPACING OF BARS ARE FROM CENTER OF BAR TO CENTER OF BAR.

ALL REBAR SPLICES SHALL BE 2'-0" OR GREATER IN LENGTH FOR #4 BARS.

ALL REBAR SPLICES SHALL BE 3'-0" OR GREATER IN LENGTH FOR #5 BARS.

ALL REBAR SPLICES SHALL BE 3'-9" OR GREATER IN LENGTH FOR #6 BARS.

NOTE: TEST BARS TO BE SUPPLIED IN ACCORDANCE WITH KYDOT REQUIREMENTS.

CHAMFER EDGES

ALL EXPOSED CAST IN PLACE EDGES SHALL BE BEVELED 7/8 INCHES EXCEPT AS NOTED.

CONCRETE WALL FINISH

NO ADDITIONAL FINISH OF THE CONCRETE WALLS IS REQUIRED. HOWEVER, "HONEY COMB" AND OTHER SIGNIFICANT IMPERFECTIONS LEFT UPON REMOVAL OF WALL FORMS AND WALL TIES SHALL BE PATCHED TO THE SATISFACTION OF THE ENGINEER.

WALL JOINTS

EXPANSION JOINTS ARE NOT REQUIRED FOR THE CONCRETE WALLS. HOWEVER, VERTICAL CONTRACTION JOINTS ARE REQUIRED AT TRUSS CONNECTION POINTS & END WALL (SEE DETAIL, SHEET 3). ONLY VERTICAL CONSTRUCTION JOINTS ARE ALLOWED IN THE FOOTING AND WALLS. NO HORIZONTAL CONSTRUCTION JOINTS ARE PERMITTED.

PRE-BID REQUIREMENT

CONTRACTOR SHALL BE PRESENT AT THE MANDATORY PRE-BID MEETING IN ORDER TO BE A QUALIFIED BIDDER.

BUILDING PAD

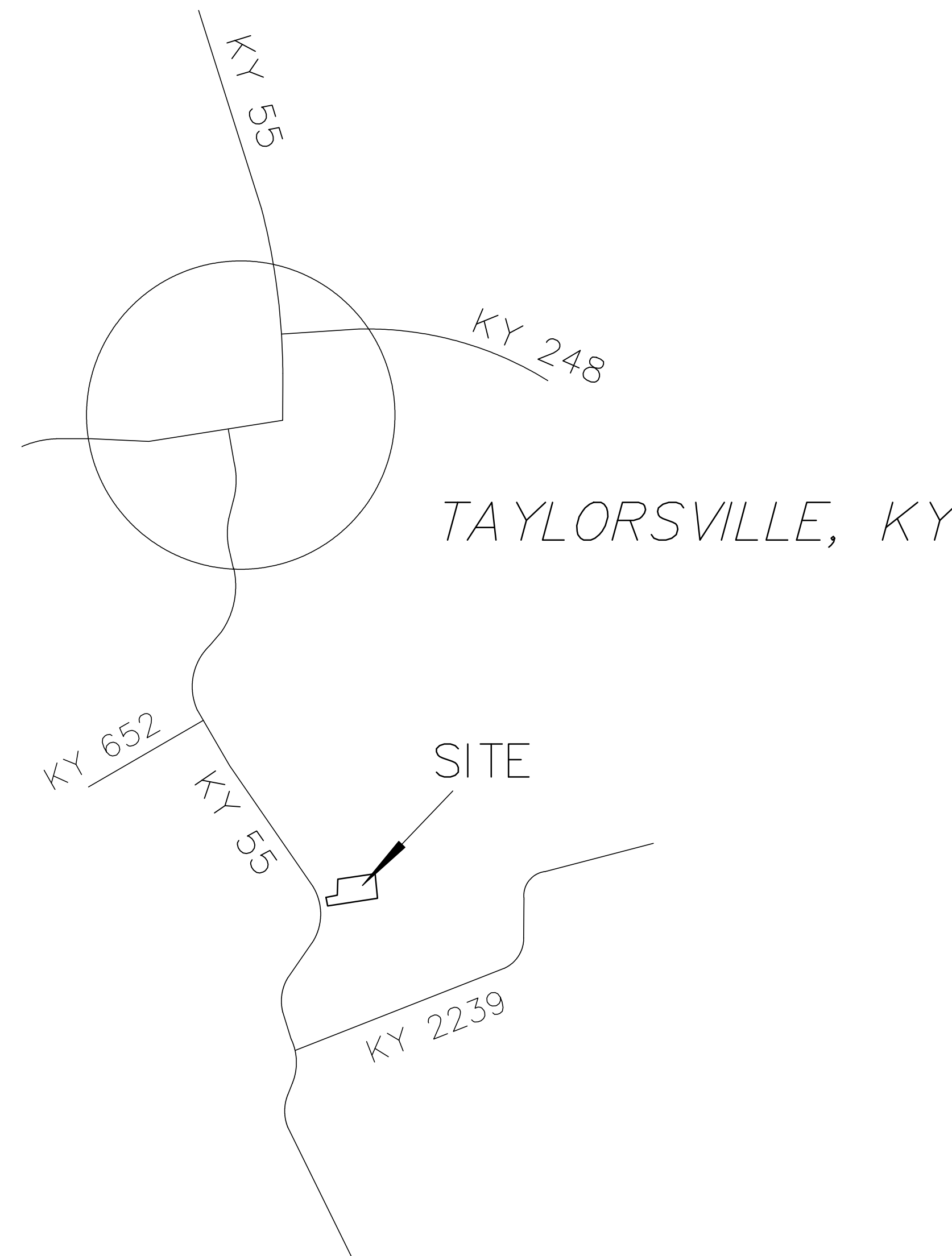
KYDOT WILL CONSTRUCT THE BUILDING PAD FROM COMPACTED NATIVE SOIL. THE PAD WILL BE CONSTRUCTED TO ELEVATION (+/-) 180'. THE CONTRACTOR WILL BE REQUIRED TO EXCAVATE THE FOOTING AND KEY AS SHOWN ON TYPICAL (SEE SHEET 3). A SUPPLY OF DENSE GRADED AGGREGATE WILL BE PROVIDED, BY KYDOT, ON SITE FOR GRADING AROUND THE FORMS. EXCAVATION OF FOOTING AND KEY SHALL BE INCIDENTAL TO OTHER ITEMS OF WORK.

INDEX OF SHEETS

COVER SHEET	1
SITE PLAN & NOTES	2
DETAILS & NOTES	3

LEGEND

	PROPOSED SANITARY SEWER
	EXISTING SANITARY SEWER
	6" PROPERTY SERVICE CONNECTION
	4" PROPERTY SERVICE CONNECTION
	SOUNDING - NO ROCK ENCOUNTERED
	SOUNDING TO ROCK
	BENCHMARK
	PROPOSED CULVERT
	EXISTING CULVERT
	PROPOSED STORM SEWER
	EXISTING STORM SEWER
	PROPOSED WATER MAIN
	EXISTING WATER MAIN
	PROPOSED GAS MAIN
	EXISTING GAS MAIN
	OVERHEAD ELECTRIC LINE
	OVERHEAD TELEPHONE LINE
	DIRECT BURIED ELECTRIC LINE
	DIRECT BURIED TELEPHONE LINE
	ELECT. LINE IN DUCT OR CONDUIT
	TELEPHONE LINE IN DUCT OR CONDUIT
	FIRE HYDRANT
	WATER METER
	AUTOMATIC AIR VALVE
	WATER VALVE
	GAS VALVE
	ELECTRIC POLE
	TELEPHONE POLE
	COMBINATION POLE
	GUY POLE
	ANCHOR FOR POLE
	PROPERTY LINE
	FENCE
	TREE
	EDGE OF TREE CANOPY
	SMALL STREAM OR WATERWAY
	SINK HOLE
	POND
	SURFACE WATER FLOW DIRECTION
	SILT FENCE
	SILT CHECK
	SILT BASIN
	EXISTING CONTOUR
	PROPOSED CONTOUR
	PROP. STONE BAG INLET PROTECTION



SPENCER COUNTY, KY VICINITY MAP (NOT TO SCALE)

KYDOH SPENCER COUNTY FACILITY
MAINTENANCE SUPERINTENDENT- JEROME INGRAM
(502) 477-2242

STORAGE CAPACITY
2,200 TONS (ESTIMATED)

ESTIMATE OF QUANTITIES

CONCRETE CLASS "A"	281 C.Y.
STEEL REINFORCEMENT, EPOXY COATED	29,080 LBS.

SITE GEOGRAPHIC COORDINATES

LATITUDE - 37°59'37.7"
LONGITUDE - 85°19'11.8"

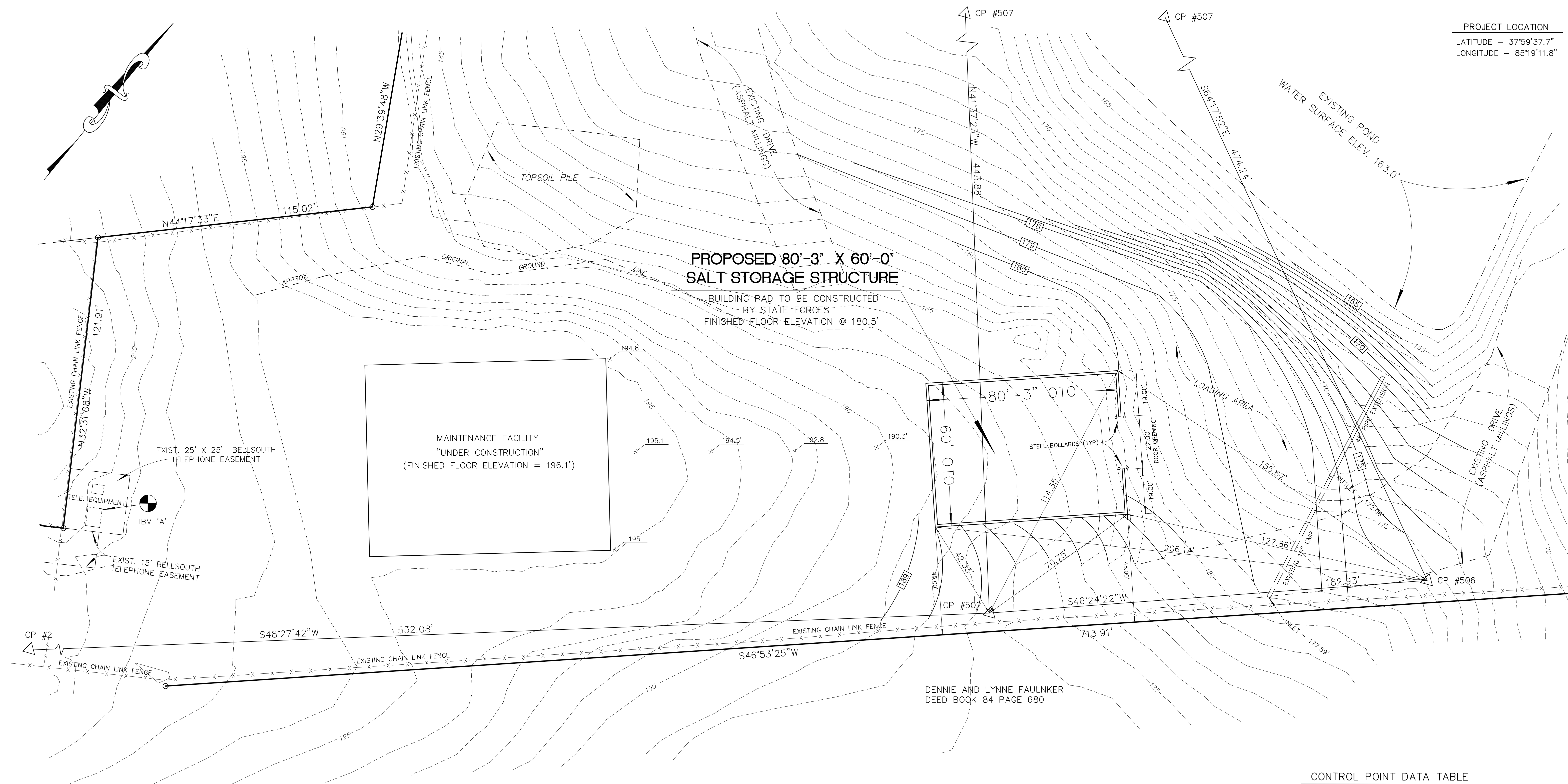
OWNER

KENTUCKY TRANSPORTATION CABINET
DIVISION OF FACILITIES SUPPORT
1219 WILKINSON BOULEVARD
FRANKFORT, KY 40622
(502) 564-3677

BEFORE YOU DIG

ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. PRIOR TO ANY EXCAVATION THE CONTRACTOR SHALL CONTACT THE UTILITY PROTECTION CENTER FOR THE ACCURATE LOCATION OF THE UNDERGROUND UTILITIES. THE CONTRACTOR IS REQUIRED TO GIVE AT LEAST 48 HOURS PRIOR NOTICE OF EXCAVATION WORK. THE UNDERGROUND PROTECTION CENTER CAN BE REACHED BY CALLING 1-800-752-6007 OR 811.

	COMMONWEALTH OF KENTUCKY TRANSPORTATION CABINET DIVISION OF FACILITIES SUPPORT		
	SALT STORAGE STRUCTURE DISTRICT 5, SPENCER COUNTY MAINTENANCE LOT 3375 BLOOMFIELD ROAD TAYLORSVILLE, KENTUCKY 40071		
REV. DESCRIPTION	DATE:		
SCALE: N.A.	DATE: 07/18/11	PROJECT NUMBER:	
DRAWN BY: M. TALBOTT	CHECKED BY: C. T. SMITH	APPROVED BY:	
APPROVED BY:			
DIRECTOR OF FACILITIES SUPPORT			
APPROVED BY:			
ADMINISTRATIVE BRANCH MANAGER			
COVER SHEET		1 OF 3 SHEET NUMBER	



**PROPOSED 80'-3" X 60'-0"
 SALT STORAGE STRUCTURE**

BUILDING PAD TO BE CONSTRUCTED
 BY STATE FORCES
 FINISHED FLOOR ELEVATION @ 180.5'

MAINTENANCE FACILITY
 "UNDER CONSTRUCTION"
 (FINISHED FLOOR ELEVATION = 196.1')

CONSTRUCTION NOTES

GRADING AND FINAL BACKFILLING AROUND COMPLETED STRUCTURE, AND LOADING AREA GRADING WITH PAVING TO BE PERFORMED BY STATE FORCES.

STEEL BOLLARDS ARE TO BE INSTALLED BY THE CONTRACTOR. THE COST OF ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED FOR THE INSTALLATION OF THE BOLLARDS SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS (SEE DETAIL ON SHEET 3).

THE ROOF STRUCTURE IS TO BE FURNISHED & INSTALLED BY BULK STORAGE, INC., PER THEIR MASTER AGREEMENT WITH THE FINANCE CABINET UPON COMPLETION OF THIS PROJECT.

CONTRACTOR TO VERIFY ALL DIMENSIONS FOR ROOF STRUCTURE WITH TED DEERY OF BULK STORAGE, INC. BULK STORAGE, INC. REQUIRES INSPECTION OF WALL FORMS PRIOR TO PLACING OF CONCRETE TO ASSURE ACCURACY OF FIELD CONDITIONS.

CLASS "A" CONCRETE SHALL BE USED THROUGHOUT (3,500 PSI COMPRESSIVE STRENGTH). 1-1/2 LBS OF POLYPROPYLENE, MONOFILAMENT FIBERS PER CUBIC YARD SHALL BE ADDED. "DURA FIBER" OR APPROVED EQUIVALENT TO BE USED.

KYDOT WILL CONSTRUCT THE BUILDING PAD OF COMPACTED NATIVE SOIL. THE PAD WILL BE CONSTRUCTED TO ELEVATION (+/-) 180'. CONTRACTOR WILL BE REQUIRED TO EXCAVATE THE FOOTING AND KEY AS SHOWN ON TYPICAL (SEE SHEET 3). A SUPPLY OF DENSE GRADED AGGREGATE WILL BE PROVIDED, BY KYDOT, ON SITE FOR GRADING AROUND THE FORMS. EXCAVATION OF FOOTING, KEY, AND GRADING WITHIN FORMS SHALL BE INCIDENTAL TO OTHER ITEMS OF WORK.

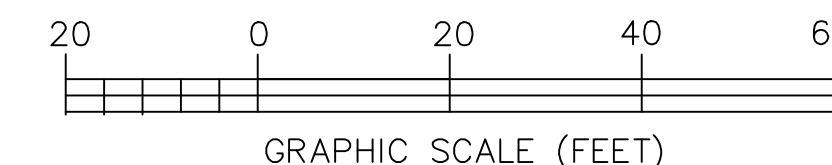
LEGEND

- BENCHMARK
- 100 --- EXISTING CONTOUR
- EXISTING UTILITY POLE
- CONTROL POINT
- OH --- EXISTING OVERHEAD UTILITIES
- W --- EXISTING WATER LINE
- X-X EXISTING CHAIN LINK FENCE
- 189 --- PROPOSED CONTOUR (TO BE CONSTRUCTED BY STATE FORCES)

TBM 'A' - CHISELED SQUARE ON N-E CORNER OF CONCRETE BASE OF TELEPHONE SERVICE CABINET. ELEVATION - 200.00 (ASSUMED DATUM)

BEFORE YOU DIG

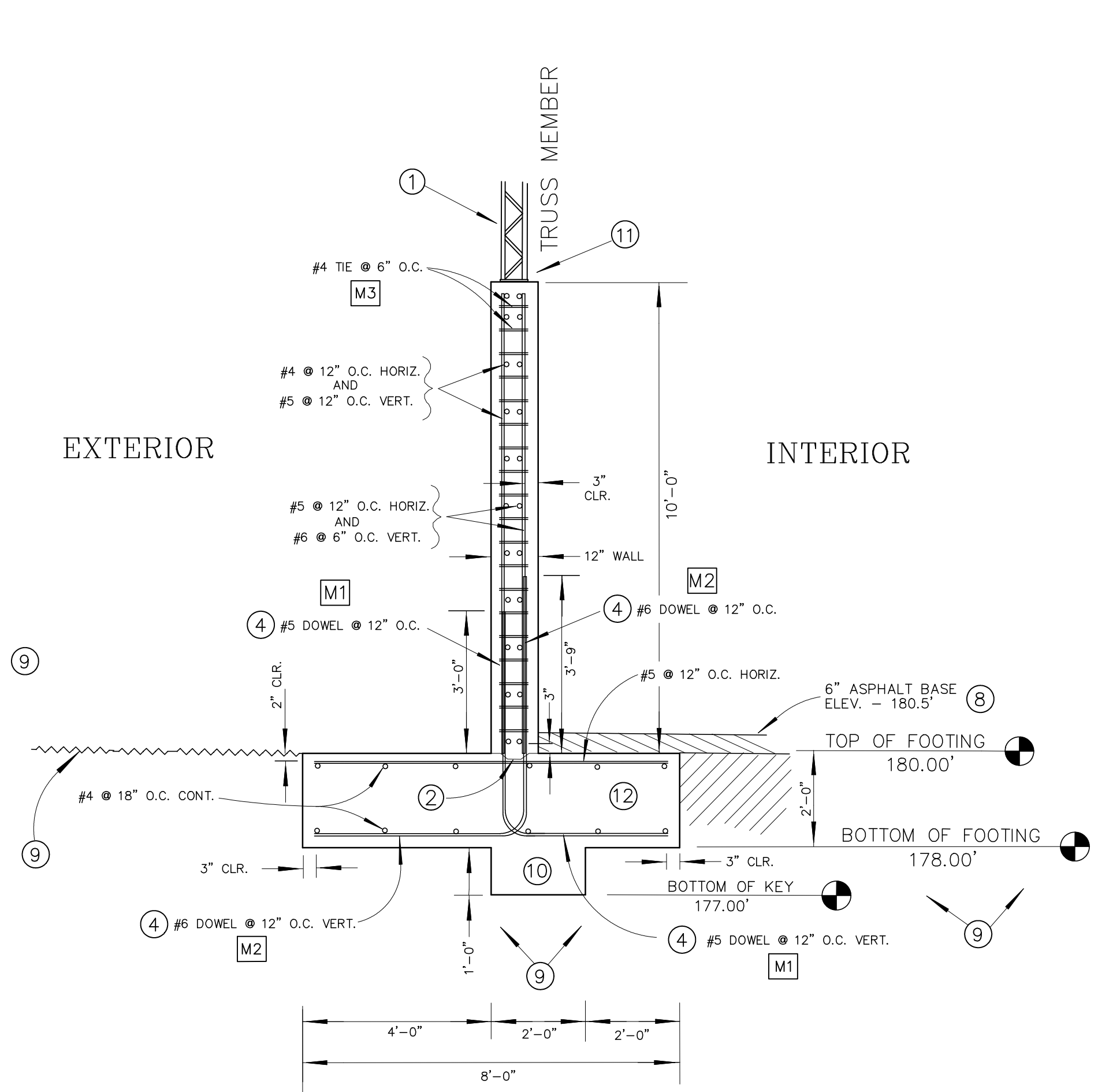
ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. PRIOR TO ANY EXCAVATION THE CONTRACTOR SHALL CONTACT THE UTILITY PROTECTION CENTER FOR THE ACCURATE LOCATION OF THE UNDERGROUND UTILITIES. THE CONTRACTOR IS REQUIRED TO GIVE AT LEAST 48 HOURS PRIOR NOTICE OF EXCAVATION WORK. THE UNDERGROUND PROTECTION CENTER CAN BE REACHED BY CALLING 1-800-752-6007 OR 811.



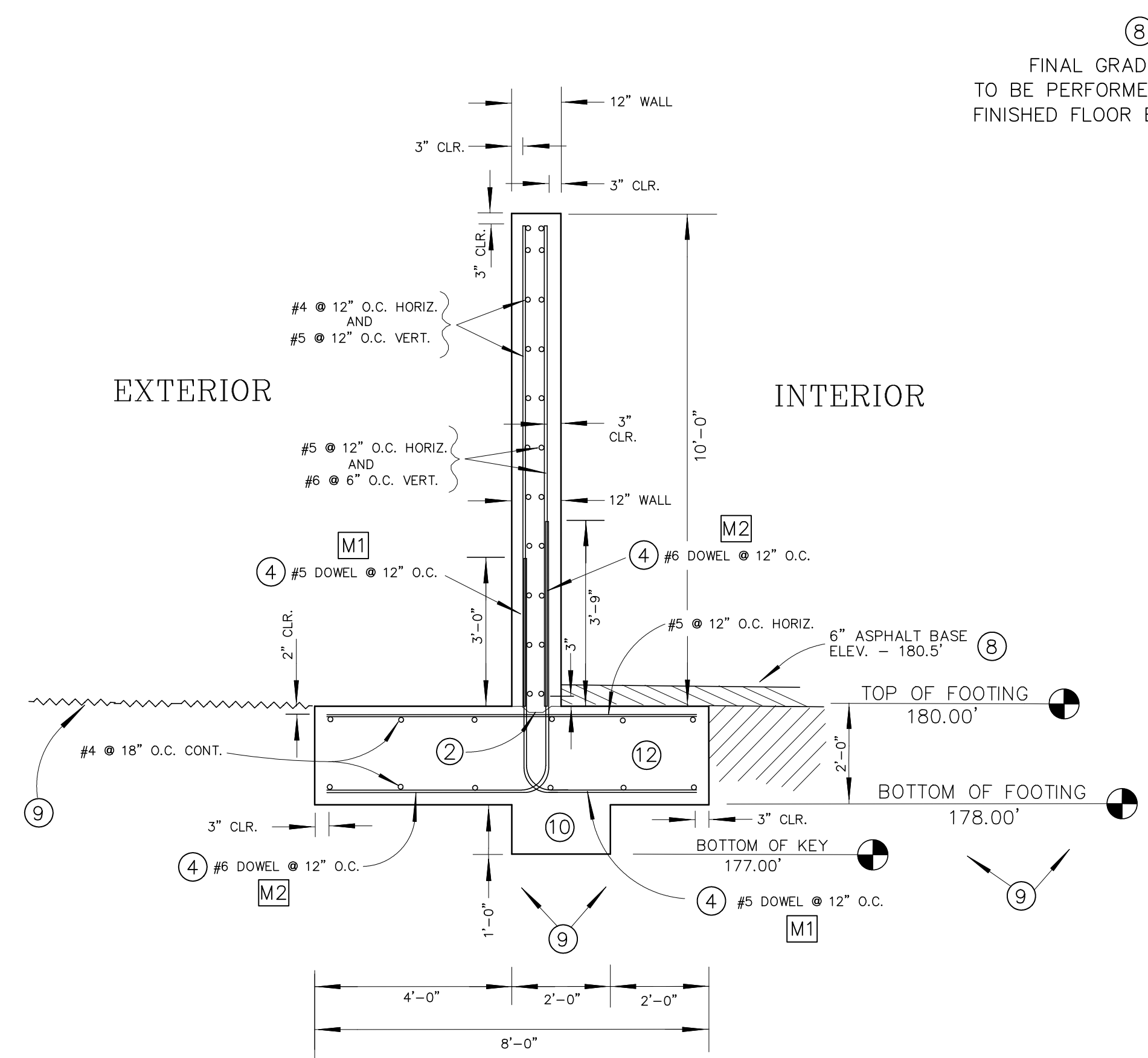
CONTROL POINT DATA TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP #2	4932.256	5028.079	197.98'	1/2" REBAR - RED CAP STAMPED "ADVANCED"
CP #502	5285.091	5426.347	186.70'	1/2" REBAR - RED CAP STAMPED "ADVANCED"
CP #506	5411.226	5558.830	176.63'	1/2" REBAR - RED CAP STAMPED "ADVANCED"
CP #507	5616.902	5131.512	182.33'	1/2" REBAR - RED CAP STAMPED "ADVANCED"

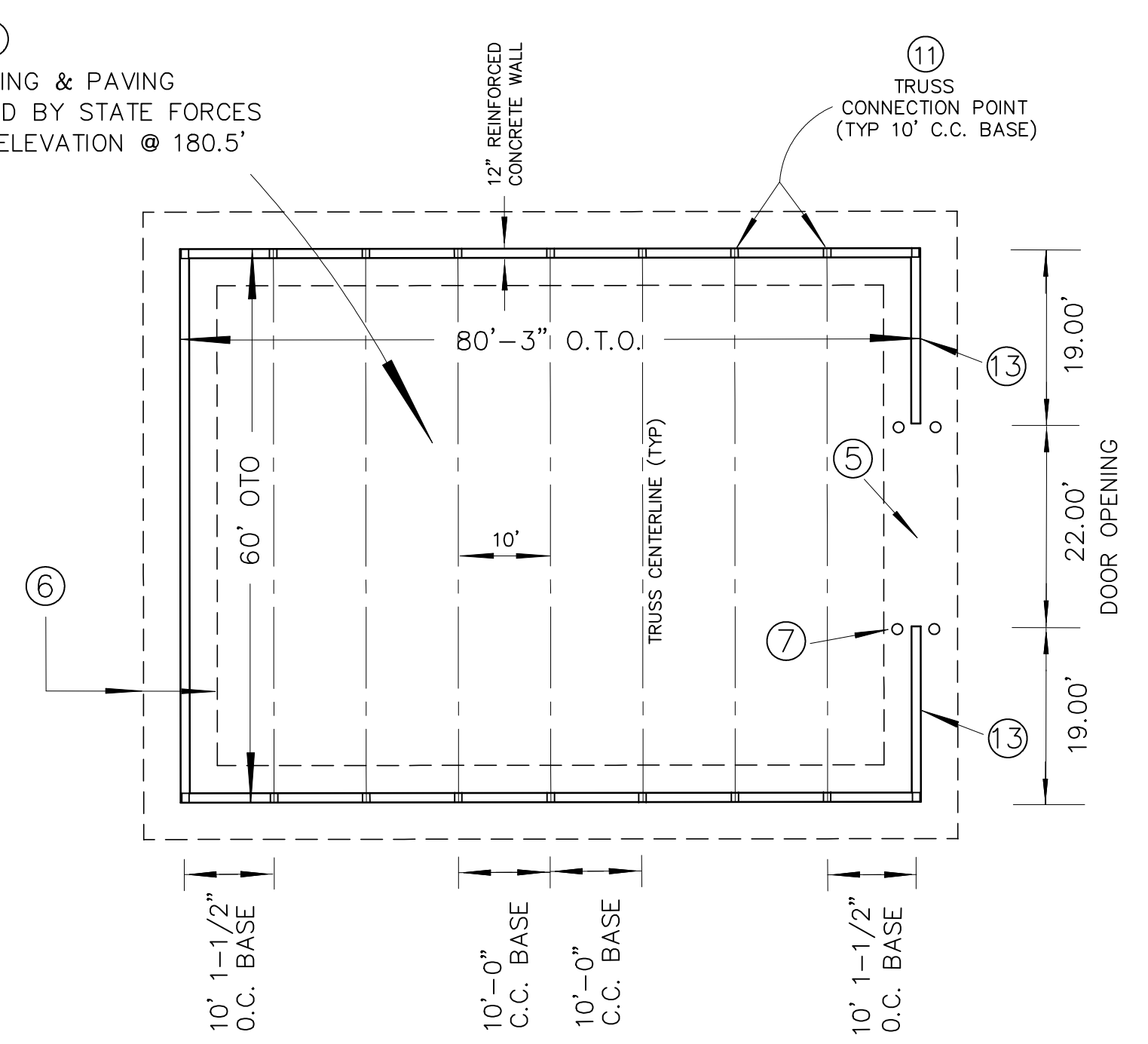
	COMMONWEALTH OF KENTUCKY TRANSPORTATION CABINET DIVISION OF FACILITIES SUPPORT	
	SALT STORAGE STRUCTURE DISTRICT 5, SPENCER COUNTY MAINTENANCE LOT 3375 BLOOMFIELD ROAD TAYLORSVILLE, KENTUCKY 40071	
DESCRIPTION: _____ BY: _____ DATE: _____		
SCALE: 1" = 20' DRAWN BY: M. TALBOTT	DATE: 07/18/11 CHECKED BY: C. T. SMITH	PROJECT NUMBER: APPROVED BY:
APPROVED BY: _____ DIRECTOR OF FACILITIES SUPPORT APPROVED BY: _____ ADMINISTRATIVE BRANCH MANAGER	PLAN SHEET 2 OF 3 SHEET NUMBER	



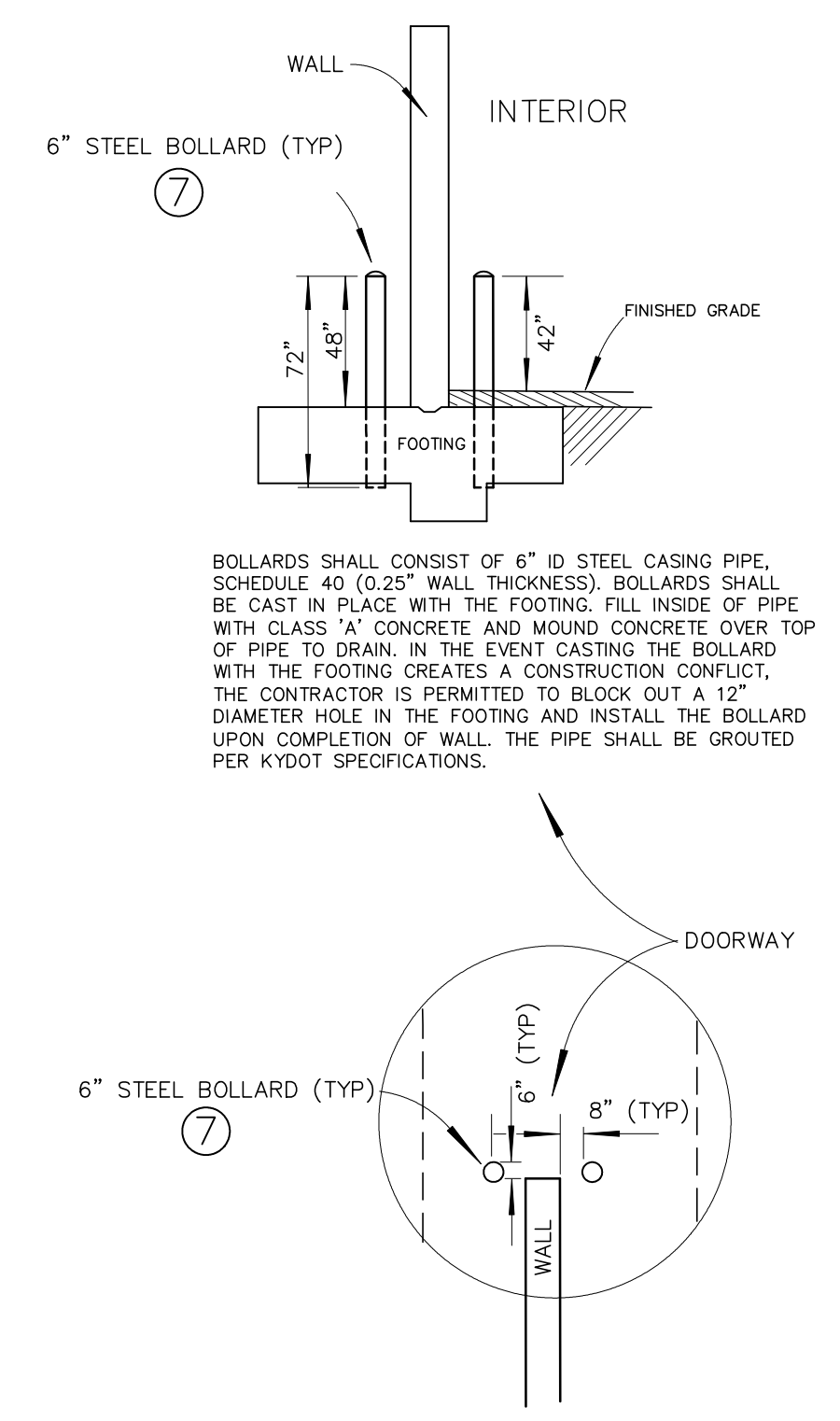
TYPICAL WALL SECTION AT TRUSS POINT (10' ON CENTERS)
NOT TO SCALE



TYPICAL WALL SECTION
NOT TO SCALE



PLAN VIEW
PROPOSED 80'-3" X 60'-0" O. T. O.
SALT STORAGE STRUCTURE
NOT TO SCALE

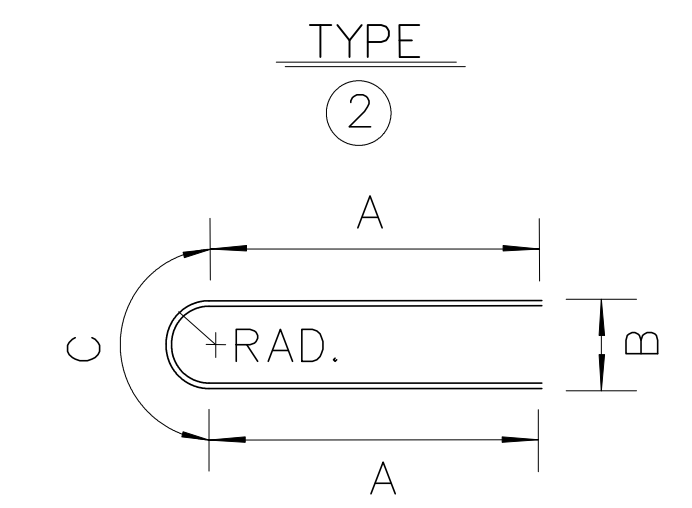
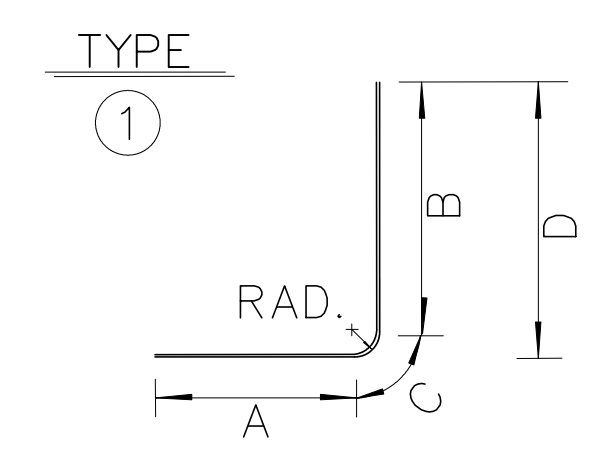


DETAIL OF BOLLARD PLACEMENT
NOT TO SCALE

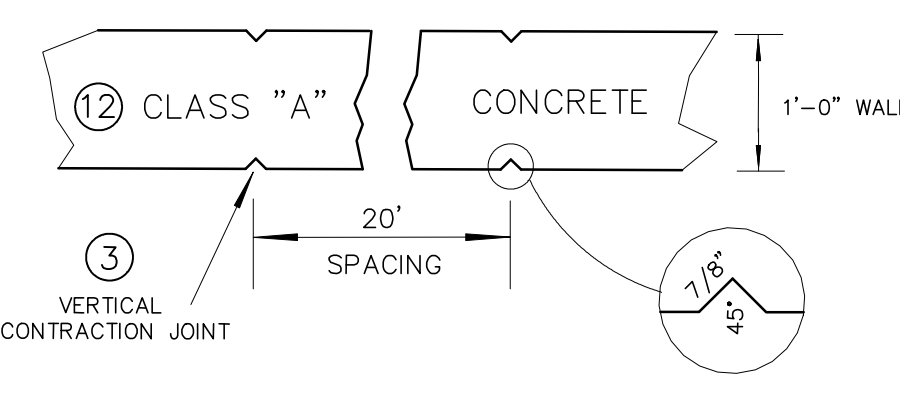
REINFORCEMENT BENDING TABLE

MARK	TYPE	SIZE	LOCATION	A		B		C		D		RADIUS	
				FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.	FT.	IN.
M1	①	#5	FOOTING (EXTERIOR)	3	0	4	3	0	9	4	9	0	6
M2	①	#6	FOOTING (INTERIOR)	4	0	5	0	0	9	5	6	0	6
M3	②	#4	TRUSS ANCHOR POINT	2	6	0	8	1	0	X	X	0	4
M4	①	#4	CORNER (INTERIOR)	2	0	2	0	0	4	2	3	0	3
M5	①	#4	CORNER (EXTERIOR)	2	6	2	6	0	4	2	9	0	3
M6	②	#4	ENTRANCE (OPENING)	2	6	0	8	1	0	X	X	0	4

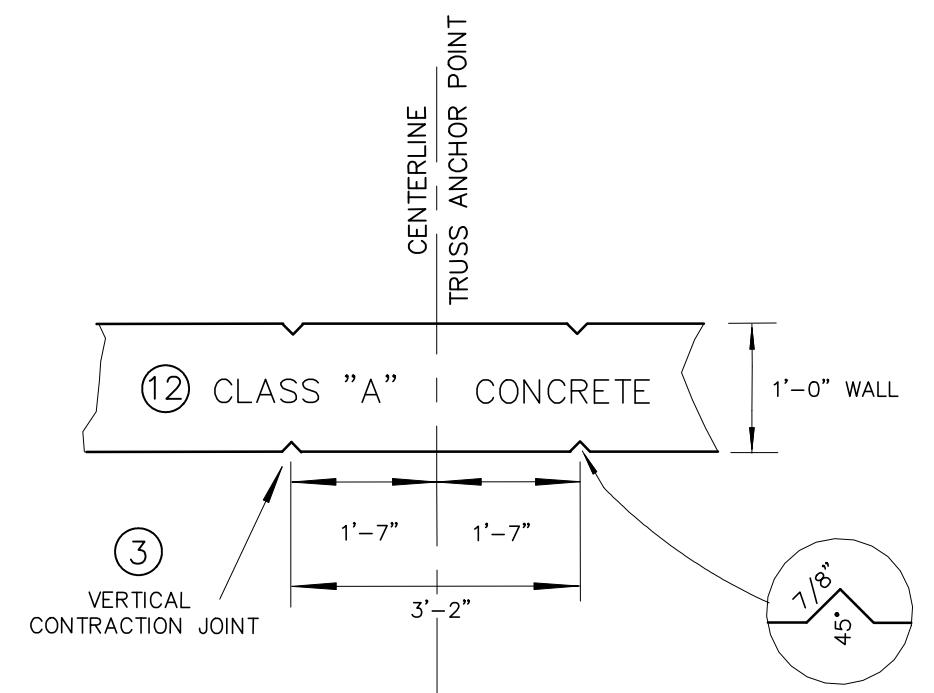
NOTE: UNLESS OTHERWISE IDENTIFIED, ALL OTHER REINFORCEMENT ARE STRAIGHT BARS AND DIMENSIONED AS INDICATED IN HEREIN. SEE SHEET I FOR REQUIRED SPLICE LENGTHS.



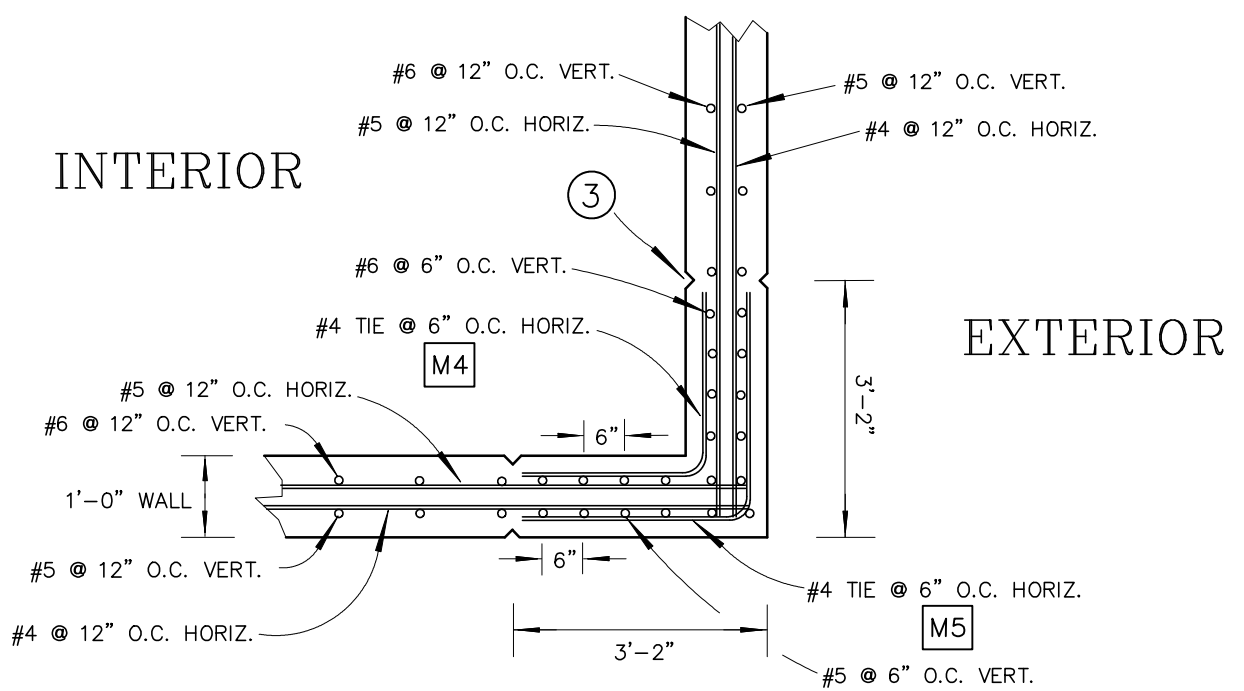
NOTE: TWO OVERLAPPING BARS REQUIRED @ TRUSS ANCHOR POINTS



TYPICAL CONTRACTION JOINT DETAIL
FRONT AND REAR WALLS ONLY
NOT TO SCALE



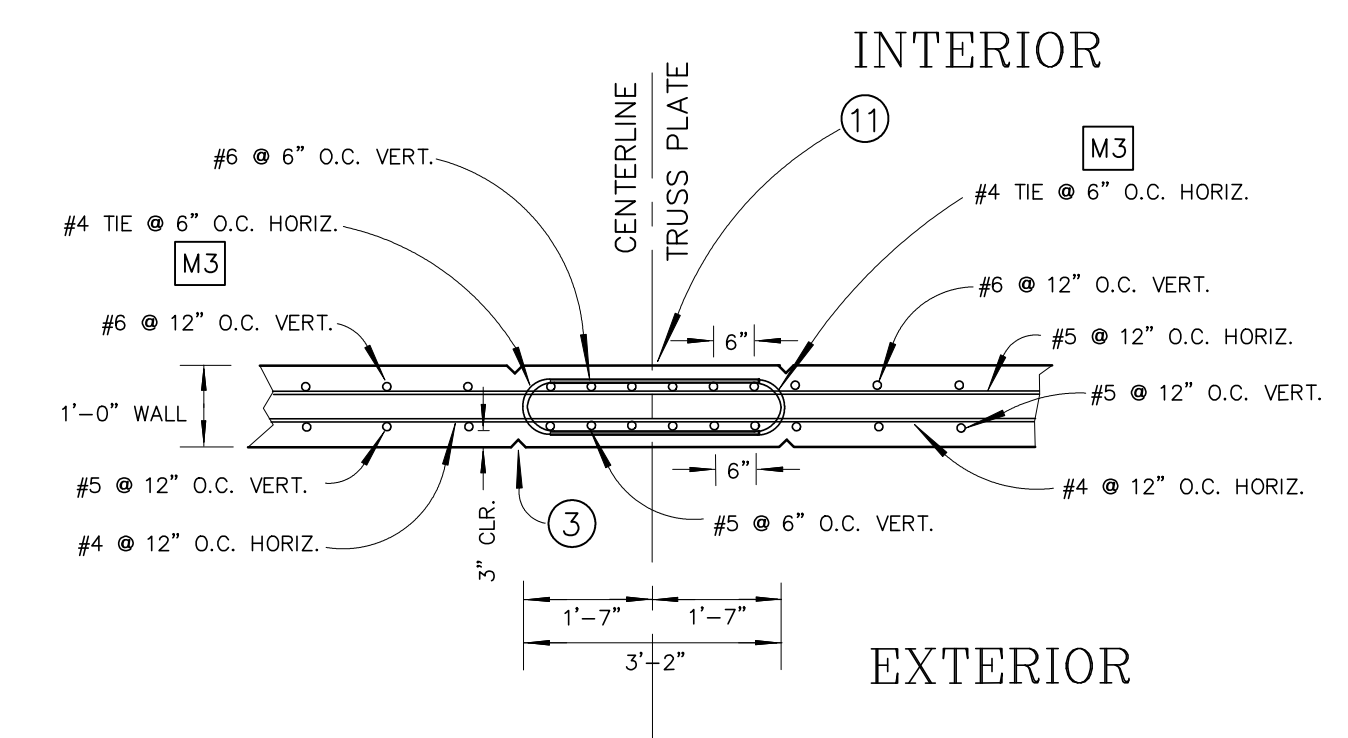
TYPICAL CONTRACTION JOINT DETAIL
SIDE WALLS
NOT TO SCALE



TOP VIEW
TYPICAL CORNER SECTION
NOT TO SCALE



TOP VIEW
TYPICAL WALL SECTION AT
ENTRANCE OPENING
NOT TO SCALE



TOP VIEW
TYPICAL TRUSS ANCHOR POINT
NOT TO SCALE

- CONSTRUCTION NOTES**
- THE ROOF STRUCTURE IS TO BE FURNISHED & INSTALLED BY BULK STORAGE, INC., PER THEIR MASTER AGREEMENT WITH THE FINANCE CABINET UPON COMPLETION OF THIS PROJECT. SEE SCOPE OF WORK IN BID DOCUMENTS FOR ADDITIONAL INFORMATION.
CONTRACTOR TO VERIFY ALL DIMENSIONS FOR ROOF STRUCTURE WITH TED DEERY OF BULK STORAGE, INC. BULK STORAGE, INC. REQUIRES INSPECTION OF WALL FORMS PRIOR TO PLACING CONCRETE TO ASSURE ACCURACY OF FIELD CONDITIONS.
 - CONSTRUCT KEY IN TOP OF FOOTING.
 - TYPICAL CONTRACTION JOINT. ONLY VERTICAL CONSTRUCTION JOINTS ARE PERMITTED IN THE FOOTING AND WALLS. NO HORIZONTAL CONSTRUCTION JOINTS PERMITTED.
 - #5 & #6 DOWELS TO BE CAST IN CLASS "A" CONCRETE FOOTING.
 - CONSTRUCT CONTINUOUS FOOTING THROUGH DOORWAY. (NO CONSTRUCTION KEY REQUIRED)
 - CONSTRUCT REINFORCED CONCRETE FOOTING (SEE TYPICAL).
 - STEEL BOLLARDS TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
 - BUILDING INTERIOR PAVING AND BACKFILLING OF FOOTING TO BE PERFORMED BY STATE FORCES.
 - FOOTING TO BE CONSTRUCTED ON COMPACTED NATIVE SOIL PREPARED BY STATE FORCES. THE PAD WILL BE CONSTRUCTED TO ELEVATION (+/-) 180'. CONTRACTOR SHALL EXCAVATE THE COMPACTED NATIVE SOIL PAD FOR INSTALLATION OF THE REINFORCED CONCRETE FOOTING. THE COST OF THE EXCAVATION OF FOOTING AND KEY SHALL BE INCIDENTAL TO OTHER ITEMS OF WORK.
 - KEY SHALL BE CAST MONOLITHIC WITH CONCRETE FOOTING.
 - TRUSS ANCHOR BOLTS TO BE SUPPLIED AND INSTALLED BY BULK STORAGE, INC.
 - CLASS "A" CONCRETE SHALL BE USED THROUGHOUT (3,500 PSI COMPRESSIVE STRENGTH). 1-1/2 LBS OF POLYPROPYLENE, MONOFILAMENT FIBERS PER CUBIC YARD SHALL BE ADDED. "DURA FIBER" OR APPROVED EQUIVALENT TO BE USED.
 - CONTRACTION JOINT REQUIRED AT MIDPOINT

ESTIMATE OF QUANTITIES

CONCRETE CLASS "A" 281 C.Y.
STEEL REINFORCEMENT, EPOXY COATED 29,080 LBS.

	COMMONWEALTH OF KENTUCKY TRANSPORTATION CABINET DIVISION OF FACILITIES SUPPORT	
	SALT STORAGE STRUCTURE DISTRICT 5, SPENCER COUNTY MAINTENANCE LOT 3375 BLOOMFIELD ROAD TAYLORSVILLE, KENTUCKY 40071	
REV: DESCRIPTION DATE:	SCALE: SEE TYPICAL DRAWN BY: M. TALBOTT CHECKED BY: C. T. SMITH	PROJECT NUMBER: DATE: 07/18/11 APPROVED BY:
APPROVED BY: DIRECTOR OF FACILITIES SUPPORT APPROVED BY:	PLAN SHEET	
ADMINISTRATIVE BRANCH MANAGER	3 OF 3 SHEET NUMBER	

**Commonwealth of Kentucky
Transportation Cabinet
Department of Highways**

CONSTRUCT BULK SALT STORAGE STRUCTURE

**Kentucky Department of Highways
District Five
3375 Bloomfield Road (KY 55)
Taylorsville, Spencer County, Kentucky 40071**

ABBREVIATIONS

Department = Department of Highways

KYTC Specs = Kentucky Transportation Cabinet - Department of Highways Standard Specifications for Road and Bridge Construction, current edition.

PMCS = Pre-Engineered Membrane Covered (Roof) Structure

State Forces = Employees of the Kentucky Department of Highways

KDOH = Kentucky Department of Highways

PROJECT DESCRIPTION

This project is for the construction of an 80'-3" long X 60'-0" wide X 10' high reinforced concrete building for the storage of bulk roadway deicing salt. Shallow, reinforced concrete spread footings will be constructed on a building pad which has been constructed by State Forces. Walls will be 10' high X 12" thick and will be constructed on the footing and will support a pre-engineered, membrane covered (roof) structure (PMCS). The roof structure is to be furnished and installed by Bulk Storage, Inc., per their Master Agreement upon completion of the footing and walls. See Scope of Work for additional information.

SPECIFICATIONS

All foundation and wall construction on this project shall be in accordance with the Kentucky Transportation Cabinet-Department of Highways Standard Specifications for Road and Bridge Construction, current edition (KYTC Specs) unless noted otherwise herein or on the plans. The PMCS shall be constructed, by others, in accordance with the plans and specifications contained or referenced in the Master Agreement. All work is to be done in strict conformance with all state and local codes and regulations.

Observation and inspection of all work will be made by the Division of Facilities Support personnel and Kentucky Department of Highways representatives.

SCOPE OF WORK – (See Construction Plans)

1. This project consists of constructing an 80'-3" long X 60'-0" wide building with 10' high walls. The footing and walls will be reinforced concrete. All walls will be 12 inches thick. Epoxy coated reinforcing steel will be used throughout (see plans).
2. The Contractor shall verify all critical dimensions in the plans with Bulk Storage, Inc., prior to placement of concrete, to ensure the PMCS will fit correctly.
3. The structure will be placed on a building pad which will be constructed by State Forces. The building pad will consist of compacted native soil and will be constructed to an approximate elevation of 180'. Kentucky Department of Transportation personnel shall excavate the foundation to the top of footing elevation (shown on plans). Contractor shall be responsible for excavation of footing, key, and any minor grading necessary for the placement of forms (see foundation drawing shown on plans). The Department will furnish an ample quantity of Dense Graded Aggregate for the Contractor to use to make any minor grade adjustments for the concrete forms. The cost of excavation of footing, key, and minor grading by Contractor shall be considered incidental to other items of work.
4. State Forces will be responsible for all backfilling of the footing and wall around structure as well as paving inside the structure and parking area upon completion and acceptance of structure.
5. A pre-engineered membrane covered (roof) structure (PMCS) will be utilized on this project. This roof structure has been designed specifically for this structure and is to be furnished and installed by Bulk Storage, Inc. per their Master Agreement 785 110000604 2. The contact person for Bulk Storage is Ted Deery, 28101 South Yates Avenue, Beecher, IL. 60401; (708) 946-9595. Bulk Storage, Inc. will construct the roof structure upon completion of the footing and walls.
6. The PMCS will be 80'-3" long X 60'-0" wide with Option 1 (low occupancy hazard), Foundation Option 1 (constructed on wall) and includes Detail Options 1 (one solid end wall), Detail Option 2 (end wall with 22' opening) and Detail Option 3 (aluminum louver vent – installed in the solid end wall).
7. The Contractor shall adhere strictly to the KYTC Specifications regarding concrete cure time requirements for footing constructing prior to constructing of walls. Additionally, adequate concrete cure time must be allowed for the walls prior to erecting the PMCS (see KYTC Specs.). Early concrete cylinder breaks will be accommodated.
8. The Contractor is responsible for all construction staking including locating the proposed structure from the Control Points and elevating the structure from the established Benchmarks, which are shown in the plans. It is imperative that the structure be square, plumb, and level, which is the responsibility of the Contractor.
9. Concrete, Class 'A' and epoxy coated steel reinforcement shall be used throughout. Monofilament polypropylene fibers, Durafiber or equal will be added to the concrete at a rate of 1-1/2 pounds per cubic yard (see general notes). Testing of the concrete and steel

- will be performed by the Department. The Contractor can arrange for inspection, sampling and testing by contacting Ryan Gossom @ (502) 633-1472 at least one business day prior to placing any concrete. Footing and key shall be placed monolithically. Only vertical construction joints are acceptable in footing/key and wall. No early strength additives are permitted in the concrete. Early concrete cylinder breaks will be accommodated.
10. The Department will make on-site inspections relative to placement of the reinforcement steel. The Department will inspect the reinforcement steel in the footing prior to placing any concrete. Inspections will also be conducted once reinforcement steel has been placed in the wall & one side of the forms erected. The Contractor shall contact the Department's Engineer, Ryan Gossom at (502) 633-1744 or at (502) 633-1472 at least forty eight hours prior to placing concrete in footing and prior to erecting 2ND side of wall forms.
 11. Bulk Storage shall be given the opportunity to inspect wall forms prior to placing concrete. The Contractor shall notify Ted Deery (708) 946-9595 at least five days prior to placing concrete.
 12. The Contractor's staging area and access availability will be determined by KYDOH and will be discussed at the mandatory pre-bid meeting.
 13. The Contractor shall exercise care not to pollute the ground or water and shall clean the area or waste every day. All waste and debris shall be disposed of properly in areas approved by Department.
 14. Contractor shall be responsible for the excavation of the footing /key to plan grades and dimensions as well as minor grading of footing pad. Excavated material shall be placed at a location designated by Engineer. DGA will be supplied on site to Contractor by KYDOH for final grading necessary within the limits of the footing forms.
 15. Contrary to the specifications, a licensed land surveyor is not required for construction staking on this project, however, the layout must be approved by the Department's engineer.
 16. Due to the steel reinforcement layout, a concrete tremie is not feasible and is not required on this project.

WORKING HOURS

The contractor will be guaranteed the same working hours as the Maintenance Facility crew's working hours which is eight hours per day Monday thru Friday, except holidays. Additional work hours may be granted at the sole discretion of the Maintenance Facility's Superintendent. No work is permitted on holidays.

VISIT TO THE SITE

The Contractor shall visit the site and thoroughly familiarize himself with all existing conditions likely to be encountered in the work area before submitting a bid. A mandatory Pre-Bid meeting with all interested contractors will be held on site. A Pre-Construction meeting will be held with the successful bidder.

The Department reserves the right to inspect all work during construction. If any portion of the materials or installation does not meet the required specifications, the Contractor shall remove and/or replace the materials at his expense. The Contractor shall be responsible for all damages incurred to the building and/or property until Final Completion.

TIME OF COMPLETION AND LIQUIDATED DAMAGES

The contractor shall commence work under this Contract within ten calendar days following the Owner's written Work Order and shall complete all work and reach Substantial Completion within Sixty (60) calendar days from and including the starting day of the Work Order. Following Substantial Completion, the contractor shall have Fifteen (15) calendar days to complete all remaining work, including the work on the punch list. If, in the Department's judgment the Contractor has not successfully completed all work items described in the Substantial Completion Punch List within the allotted 15 day period, Liquidated Damages, in accordance with KYTC Specifications, will be assessed. Contrary to the Standard Specifications Section 108.09, liquidated damages will be assessed for the months of December through March.

The job will be considered Substantially Complete when the Contractor has completed all footings and walls, the forms have been wrecked, any concrete patching has been made, the site free from debris and equipment and ready for footing backfill, paving and the erection of the PMCS.

LIQUIDATED DAMAGES

Should the Contractor fail to satisfactorily complete the Work under Contract on or before the date stipulated for completion, the Department will suffer damages by decreased use of the facility and increased administrative costs due to construction schedule over-run. Therefore, the Contractor agrees, as a consideration for awarding of this Contract, to pay the Department the amount specified in the KYTC Specifications, not as a penalty but as liquidated damages for each calendar day that the Contractor is in default after the stipulated time of completion. Due to the extreme difficulty of ascertaining the actual damages sustained by the Department, should the Contractor default, all parties agree that Liquidated Damages will be assessed in accordance with the KYTC Specifications. This sum will apply for each consecutive

calendar day that the Owner is deprived of full use of the facility beyond the date specified for Final Inspection. If, following Final Inspection the Contractor fails to complete the punch list in 15 days, Liquidated Damages will be assessed for each calendar day until the work is declared complete. The Department, at its discretion, may retain said amount from monthly pay requests.

CONTACT INFORMATION
Bulk Salt Storage Structure
Taylorsville, Spencer County, Kentucky

David Rucker, Branch Manager
Division of Facilities Support
1219 Wilkinson Blvd.
Frankfort, KY 40622
(502) 564-3677
(502) 545-3396 Cell

Ted Deery
Bulk Storage, Inc.
28101 Yates Avenue
Beecher, IL 60401
(708) 946-9595

Chris Poe, PE
T.E.B.M. PD+P II
8310 Westport Road
Louisville, KY 40242
(502) 210-5400

Jerome Ingram
Maintenance Superintendent
KY Dept. of Highways,
Spencer County Facility
1430 Town Hill Road
Taylorsville, Kentucky 40071
(502) 477-2242

Ryan Gossom
Section Supervisor
KY Dept. of Highways,
Spencer County Facility
555 Old Seven Mile Pike
Shelbyville, Kentucky 40065
(502) 633-1472

David Cornett
Roadside Environmental Branch Manager
200 Mero Street
Kentucky Transportation Central Office
Frankfort, Kentucky 40622
(502) 564-4556