

INDEX OF DRAWINGS

- 1 - 8 COVER SHEET
- 2 - 8 FOUNDATION PLAN
- 3 - 8 FOUNDATION SECTION
- 4 - 8 FOUNDATION DETAILS
- 5 - 8 FOUNDATION DETAILS
- 6 - 8 FOUNDATION DETAILS
- 7 - 8 FOUNDATION DETAILS
- 8 - 8 PLUMBING PLAN

MISSOURI DEPARTMENT OF TRANSPORTATION

PRESTON TRUCK WASH BUILDING

PHYSICAL ADDRESS: ROUTE 1, BOX 24, PRESTON, MISSOURI 65732
Route 54, 1/4 Mile East of Route 65

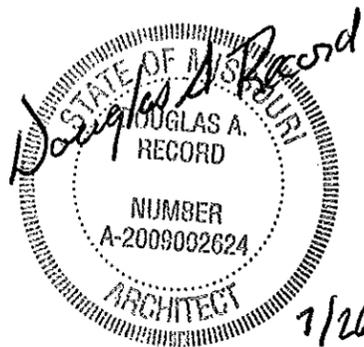
CODE REQUIREMENTS

BUILDING CODE - 2003 IBC

PLUMBING CODE - CURRENT IBC

HICKORY COUNTY

SOUTHWEST DISTRICT

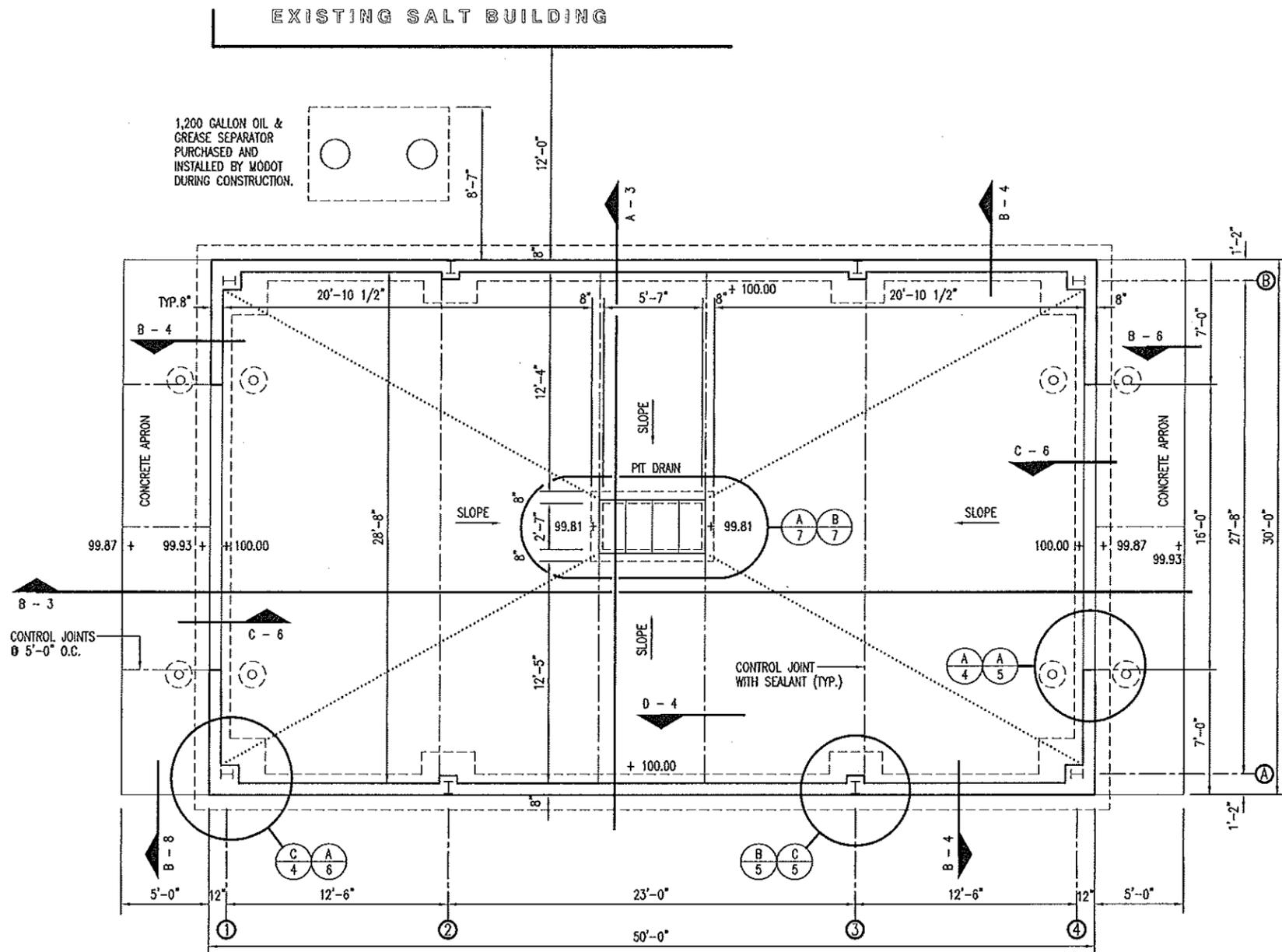


COVER SHEET

MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

PRESTON TRUCK WASH BUILDING
SOUTHWEST DISTRICT

DATE: 2-23-12
DRAWN BY: LARRY CARVER
CHECKED BY: D. REDORD
Sheet
1 of 8



1,200 GALLON OIL & GREASE SEPARATOR PURCHASED AND INSTALLED BY MODOT DURING CONSTRUCTION.

CONTROL JOINTS @ 5'-0" O.C.

CONCRETE NOTES:

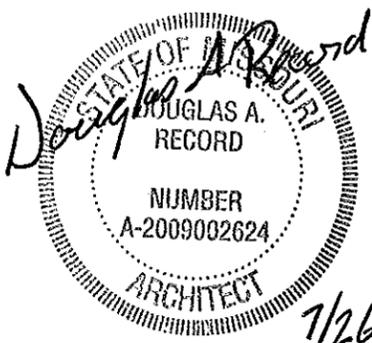
1. ALL REBAR SHALL BE #4. HORIZONTAL BARS SHALL RUN CONTINUOUS THROUGHOUT THE ENTIRE FOUNDATION WALL. VERTICAL BARS SHALL BE AT 24" O.C. UNLESS OTHERWISE NOTED.
2. SLAB SHALL BE 6" THICK WITH #4's @ 16" O.C. EACH WAY THROUGHOUT, OVER A 6 MIL. VAPOR BARRIER OVER 4" CRUSHED ROCK BASE. (LEVEL AND COMPACTED)
3. ENTIRE AREA OF SLAB EXPOSED SHALL RECEIVE 2 COATS OF CONCRETE FLOOR CURING/SEALING FINISH. SEE SPECIFICATION 03346.
4. ENTIRE PERIMETER OF FOUNDATION TO RECEIVE 2" POLYISOCYANURATE RIGID INSULATION BOARD.
5. ALL OF THE INTERIOR SLAB FINISH SHALL BE CLASS "A" OR AS INDICATED ON DRAWINGS.
6. SAWED CONTROL JOINTS SHALL BE CLEANED FREE OF ALL DEBRIS AND FILLED WITH PRC PERMAPOL "RC-550" JOINT SEALANT OR AN APPROVED EQUAL.
7. CONCRETE WORK SHALL BE EXECUTED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE (A.C.I.) MANUAL OF CONCRETE PRACTICE.
8. FOUNDATION DESIGN IS BASED UPON AN ASSUMED SOIL BEARING CAPACITY OF 2,000 PSF. IF WET OR UNUSUAL SOIL CONDITIONS ARE ENCOUNTERED, NOTIFY THE DESIGNER AND CONSTRUCTION INSPECTOR BEFORE PROCEEDING WITH THE WORK.
9. CONCRETE EXPOSED TO THE EXTERIOR SHALL RECEIVE AIR ENTRAINMENT 6% +/- 2%.
10. COPPER PIPING RUN THROUGH CONCRETE WORK SHALL BE RUN THROUGH PVC SLEEVES.
11. DEFORMED STEEL REINFORCING BARS SHALL BE: #4 AND LARGER, ASTM A615 GRADE 60.
12. PROVIDE CORNER REINFORCING BARS WITH 12" MINIMUM LAP EQUAL IN SIZE AND GRADE TO CONNECTING BARS.
13. PROVIDE 1/2" MASTIC BOND BREAKER WHERE FLOOR SLAB BUTTS TO WALL (TYPICAL)
14. FOUNDATION BEAMS AND FOOTINGS SHALL BEAR A MINIMUM OF 12 INCHES INTO UNDISTURBED SOIL AND 36 INCHES MINIMUM BELOW FINISH GRADE.
15. ALL CONCRETE SHALL BE TYPE 1 CEMENT WITH A COMPRESSIVE STRENGTH OF 4,000 PSI @ 28 DAYS WITH 4" SLUMP.
16. EXTERIOR CONCRETE FLATWORK SHALL HAVE A LIGHT BROOM FINISH.

GRADING NOTES:

- CONTRACTOR RESPONSIBLE FOR:
1. EXCAVATION OF SUB-GRADE AND FOOTINGS.
 2. ALL BACKFILL MATERIAL INSIDE AND OUTSIDE OF NEW FOUNDATION AND EXTERIOR SLABS.
 3. 4" CRUSHED ROCK BASE UNDER INTERIOR, EXTERIOR SLABS AND/OR AS NOTED.
 4. ROUGH FINISHED GRADE UP TO NEW CONSTRUCTION TO TOP OF FINISHED SLABS DISTURBED DURING CONSTRUCTION. SLOPE TO DRAIN AWAY FROM BUILDING. VERIFY WITH MODOT BEFORE CONSTRUCTION FOR THE FINISHED FLOOR ELEVATION.
 5. TRENCHING AND BACKFILL OF UTILITIES FROM NEW FOUNDATION TO OIL SEPARATOR.
 6. SLOPE FINISHED GRADE AWAY FROM NEW CONSTRUCTION WITH 6" TYPE 5 ROCK BASE AT ALL AREAS DISTURBED DURING CONSTRUCTION.
 7. UNUSED/WASTE SOIL MATERIAL TO BE STOCKPILED ON-SITE. VERIFY LOCATION WITH OWNER.

CONTRACTOR NOTES:

1. MODOT WILL TRANSPORT PRE-ENGINEERED METAL BUILDING TO SITE, FROM SPRINGFIELD.
2. CONTRACTOR TO REMOVE ALL EXISTING RUST AS REQUIRED OFF PRE-ENGINEERED METAL BUILDING RED-IRON AFTER SITE DELIVERY. NEXT PRIME AND PROVIDE TWO COATS OF PAINT AFTER ERECTION OF RED-IRON.
3. CONTRACTOR TO ERECT PRE-ENGINEERED METAL BUILDING ON THE NEW CONCRETE FOUNDATION. INSTALL WITH EXPANSION ANCHORS AS DETERMINED BY METAL BUILDING MANUFACTURER.



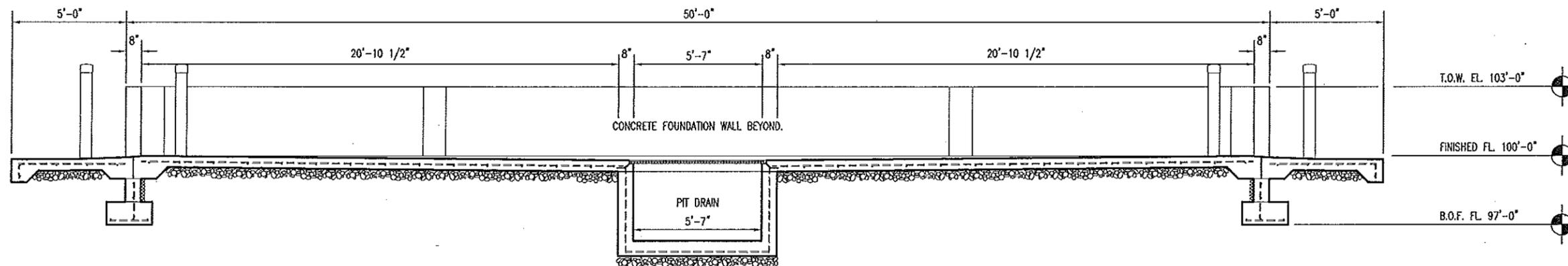
A
2
FOUNDATION PLAN
 SCALE: 1/8" = 1'-0"

FOUNDATION PLAN

**MISSOURI DEPARTMENT
OF TRANSPORTATION**
 DIVISION OF GENERAL SERVICES
 FACILITIES MANAGEMENT

**PRESTON TRUCK WASH BUILDING
SOUTHWEST DISTRICT**

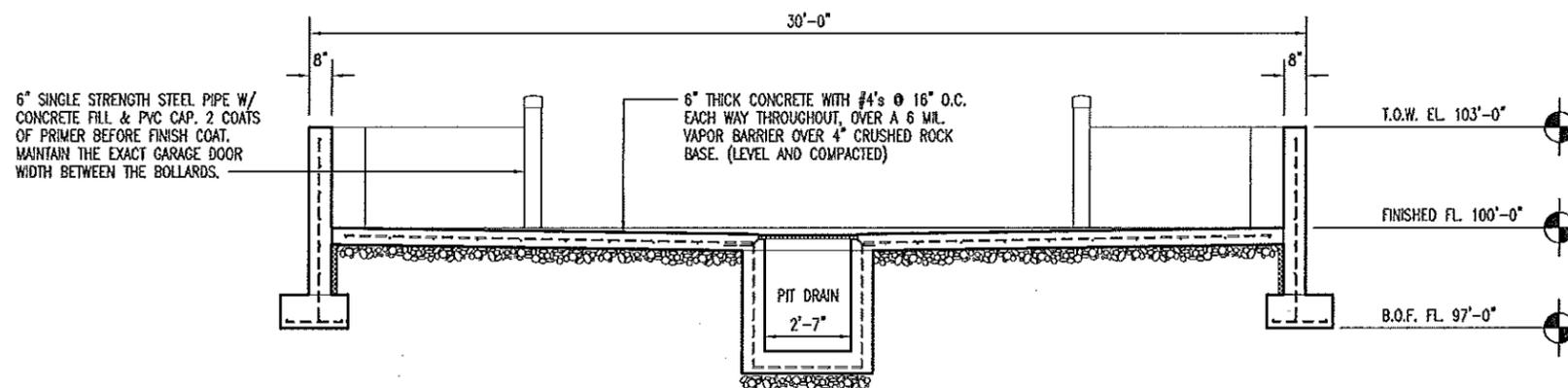
DATE: 2-23-12
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Sheet 2 of 8



B
3 FOUNDATION SECTION
SCALE: 3/16" = 1'-0"

CONTRACTOR NOTES:

1. MODOT WILL TRANSPORT PRE-ENGINEERED METAL BUILDING TO SITE FROM SPRINGFIELD.
2. CONTRACTOR TO REMOVE ALL EXISTING RUST AS REQUIRED OFF PRE-ENGINEERED METAL BUILDING RED-IRON AFTER SITE DELIVERY. NEXT PRIME AND PROVIDE TWO COATS OF PAINT AFTER ERECTION OF RED-IRON.
3. CONTRACTOR TO ERECT PRE-ENGINEERED METAL BUILDING ON THE NEW CONCRETE FOUNDATION. INSTALL WITH EXPANSION ANCHORS AS DETERMINED BY METAL BUILDING MANUFACTURER.



A
3 FOUNDATION SECTION
SCALE: 3/16" = 1'-0"

STATE OF MISSOURI
DOUGLAS A. RECORD
NUMBER
A-2009002624
ARCHITECT
7/26/12

FOUNDATION SECTION

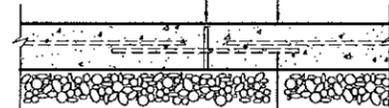
MISSOURI DEPARTMENT
OF TRANSPORTATION
DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

PRESTON TRUCK WASH BUILDING
SOUTHWEST DISTRICT

DATE: 2-23-12
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Sheet
3 of 8

6" CONCRETE SLAB W/#4's @ 16" O.C. EACH WAY ON 4" CRUSHED ROCK BASE.

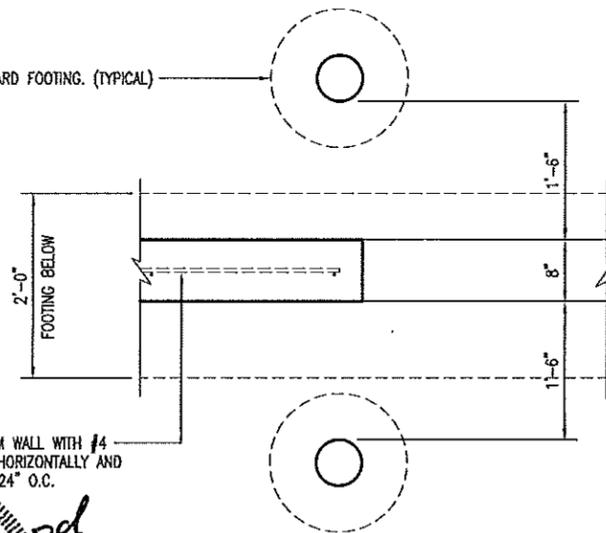
1/2" MASTIC EXPANSION JOINT HOLD DOWN 1/2" FOR TYPE 'A' SEALANT.



24" SMOOTH #4 DOWEL @ 30" O.C. GREASE ONE END.

D EXPANSION JOINT
4 SCALE: 1/2" = 1'-0"

18" DIAMETER BOLLARD FOOTING. (TYPICAL)



8" FOUNDATION STEM WALL WITH #4 REBAR @ 10" O.C. HORIZONTALLY AND #4 VERTICALLY @ 24" O.C.

A BOLLARD PLAN
4 SCALE: 1/2" = 1'-0"

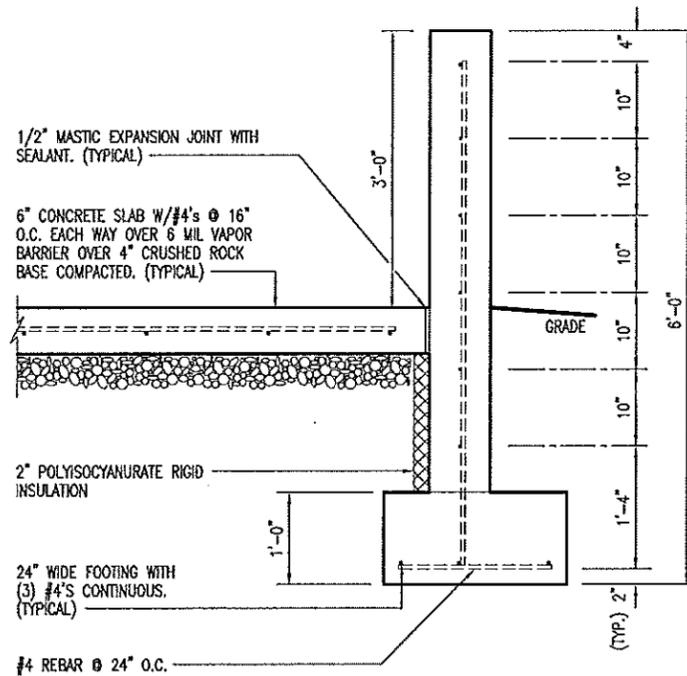
1/2" MASTIC EXPANSION JOINT WITH SEALANT. (TYPICAL)

6" CONCRETE SLAB W/#4's @ 16" O.C. EACH WAY OVER 6 MIL VAPOR BARRIER OVER 4" CRUSHED ROCK BASE COMPACTED. (TYPICAL)

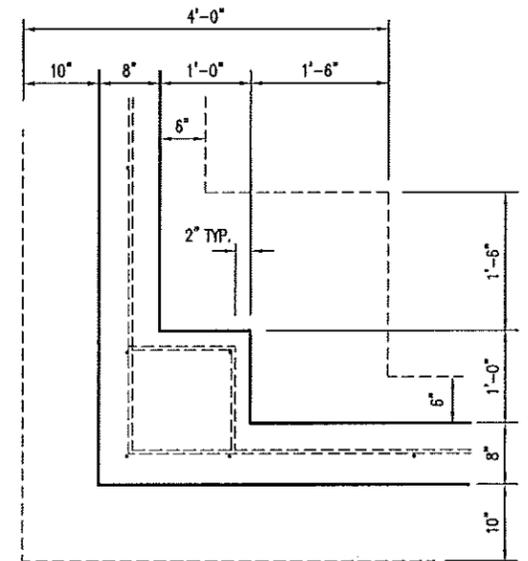
2" POLYISOCYANURATE RIGID INSULATION

24" WIDE FOOTING WITH (3) #4'S CONTINUOUS. (TYPICAL)

#4 REBAR @ 24" O.C.



B FOUNDATION SECTION
4 SCALE: 1/2" = 1'-0"



C COLUMN FOOTING PLAN
4 SCALE: 1/2" = 1'-0"

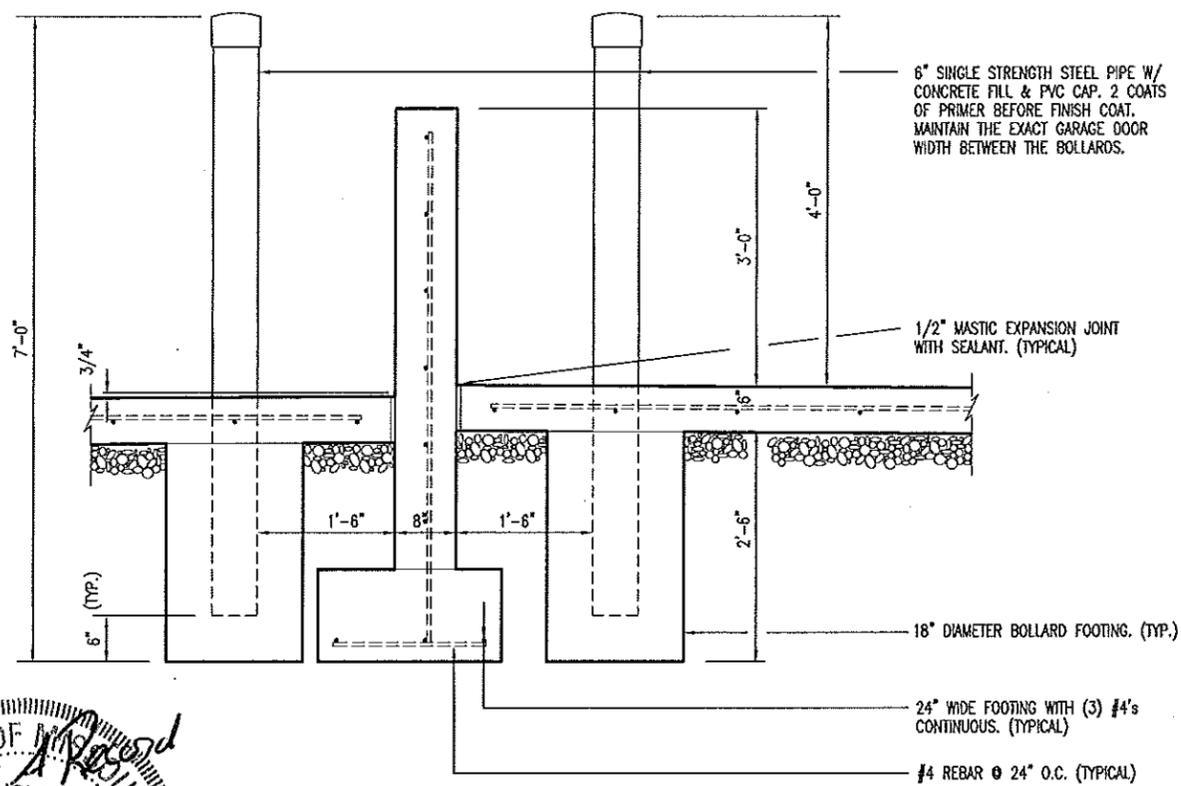
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RECORD
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7/26/12

FOUNDATION DETAILS

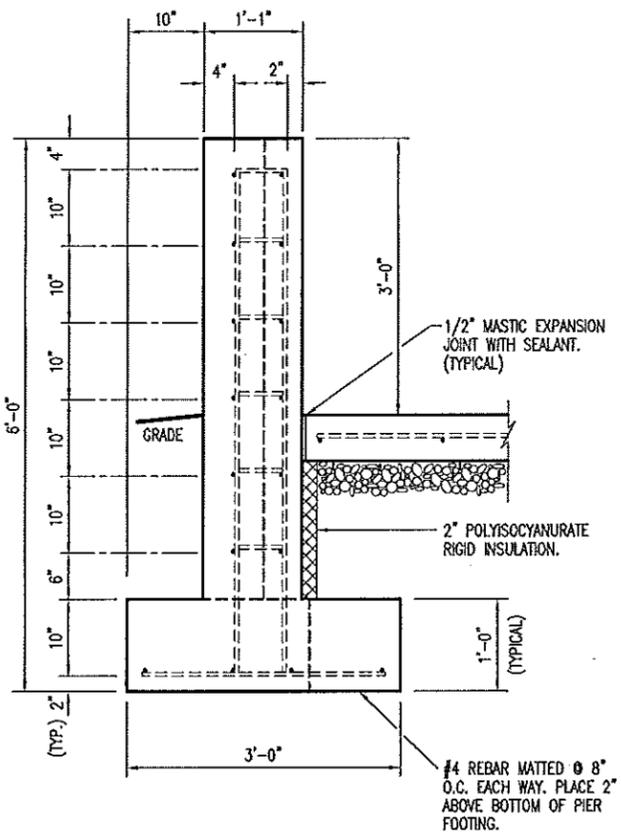
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DIVISION OF GENERAL SERVICES
FACILITIES MANAGEMENT

PRESTON TRUCK WASH BUILDING
SOUTHWEST DISTRICT

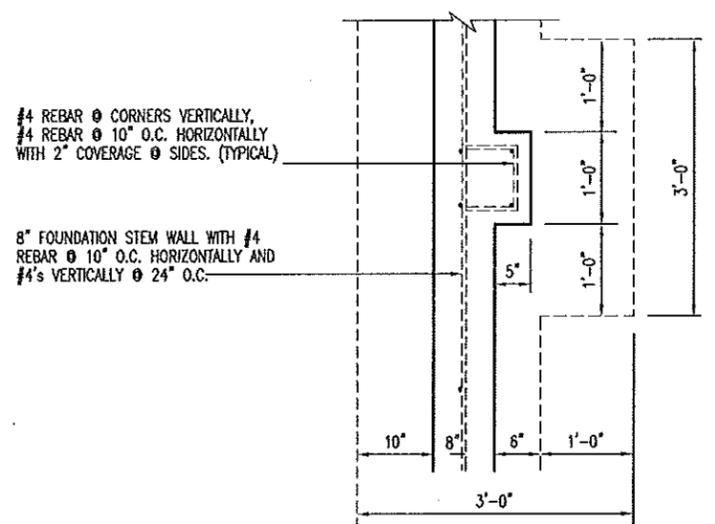
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Sheet
4 OF 8



A BOLLARD & STEM WALL SECTION
5 SCALE: 1/2" = 1'-0"



B SIDEWALL COLUMN SECTION
5 SCALE: 1/2" = 1'-0"



C SIDEWALL COLUMN PLAN
5 SCALE: 1/2" = 1'-0"

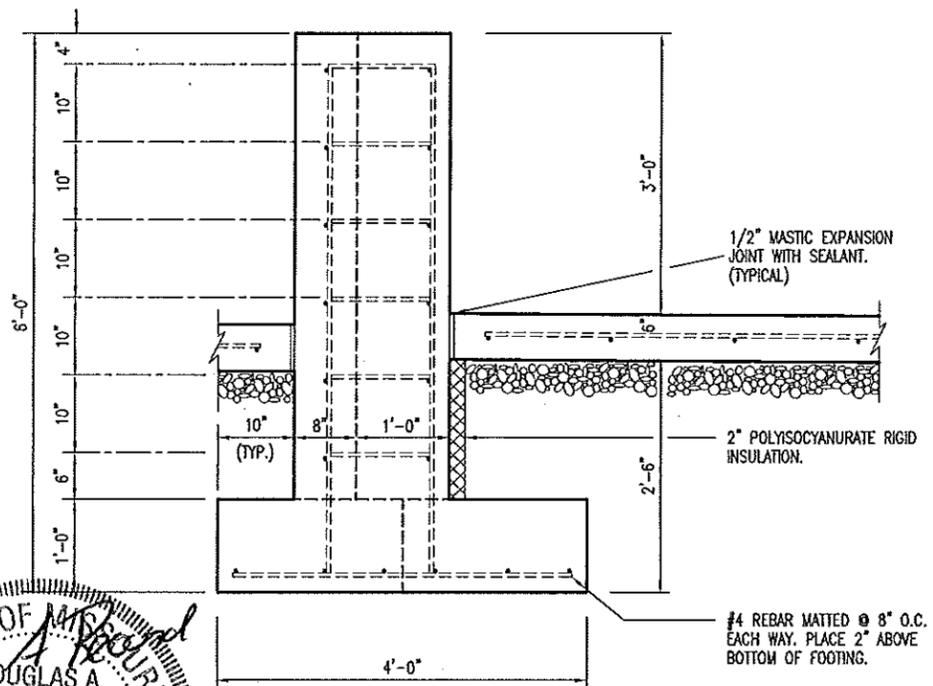
STATE OF MISSOURI
 Douglas A. Record
 ARCHITECT
 NUMBER A-2009002624
 7/26/12

FOUNDATION DETAILS

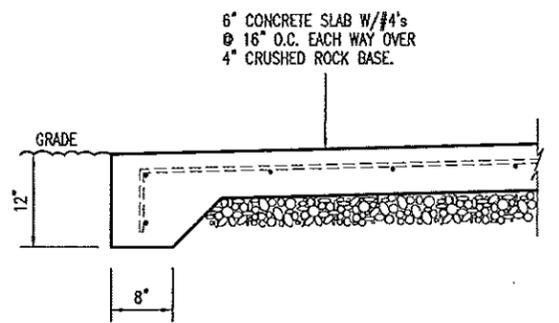
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PRESTON TRUCK WASH BUILDING
 SOUTHWEST DISTRICT

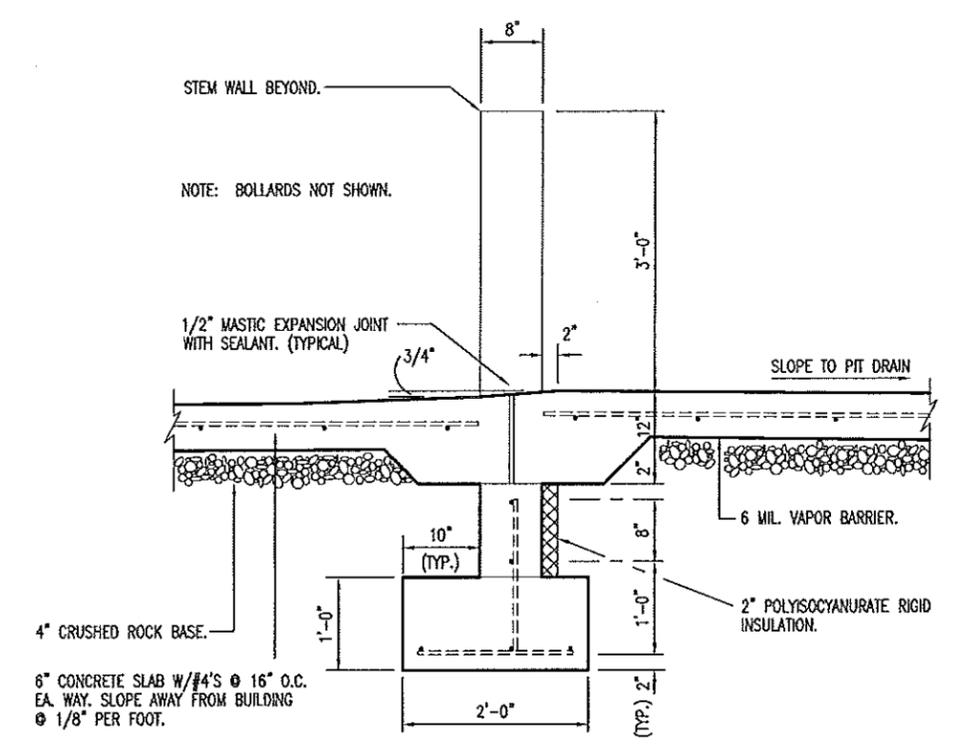
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 Sheet 5 of 8



A
CORNER COLUMN SECTION
SCALE: 1/2" = 1'-0"



B
APRON EDGE SECTION
SCALE: 1/2" = 1'-0"



C
CONCRETE THRESHOLD
SCALE: 1/2" = 1'-0"

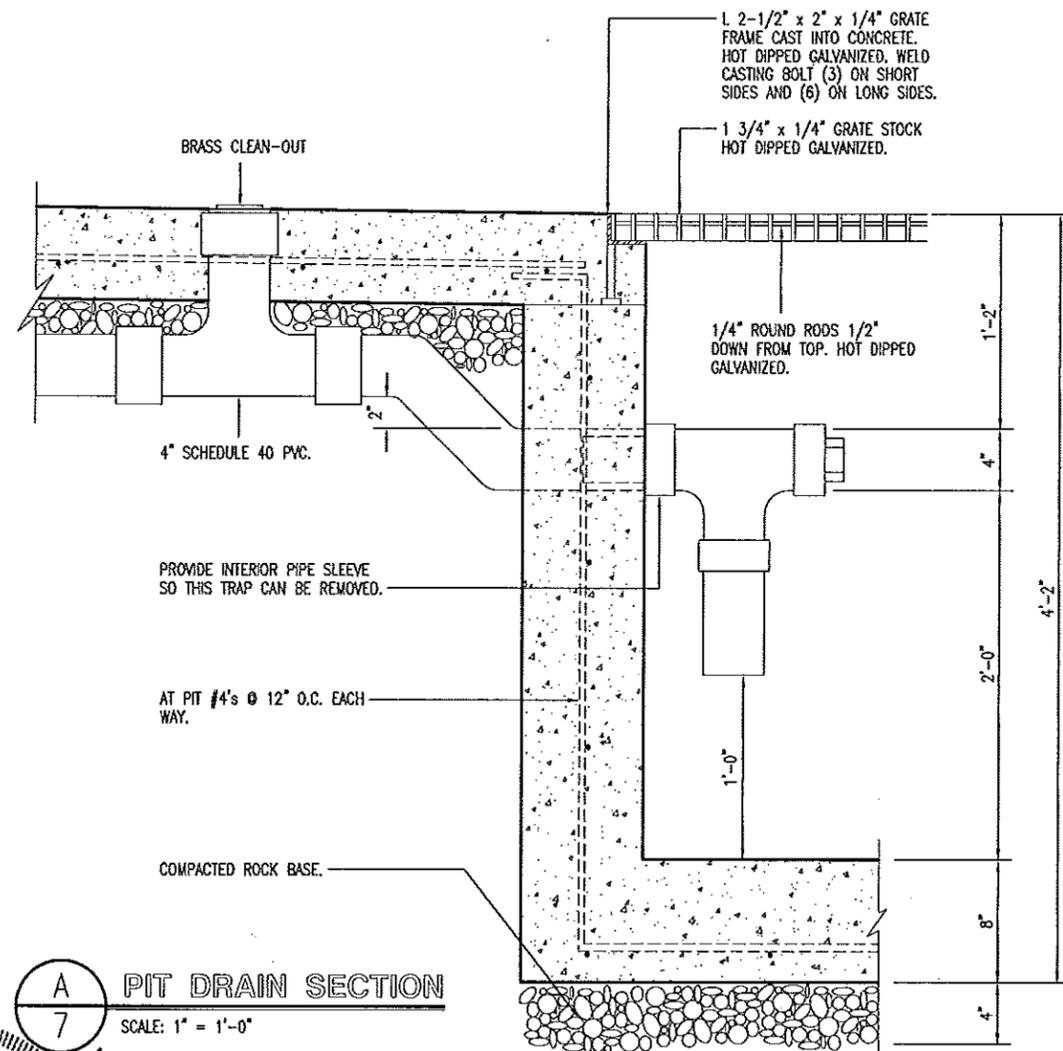
STATE OF MISSOURI
DOUGLAS A. RECORD
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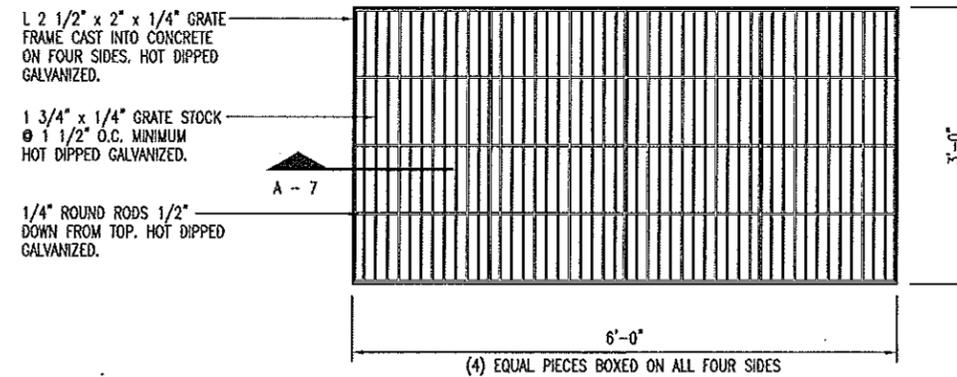
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SOUTHWEST DISTRICT

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Sheet
6 of 8



A
7
PIT DRAIN SECTION
SCALE: 1" = 1'-0"



B
7
PIT DRAIN GRATE
SCALE: 1/2" = 1'-0"

DOUGLAS A. RECORD

STATE OF MISSOURI
DOUGLAS A. RECORD
ARCHITECT

NUMBER
A-2009002624

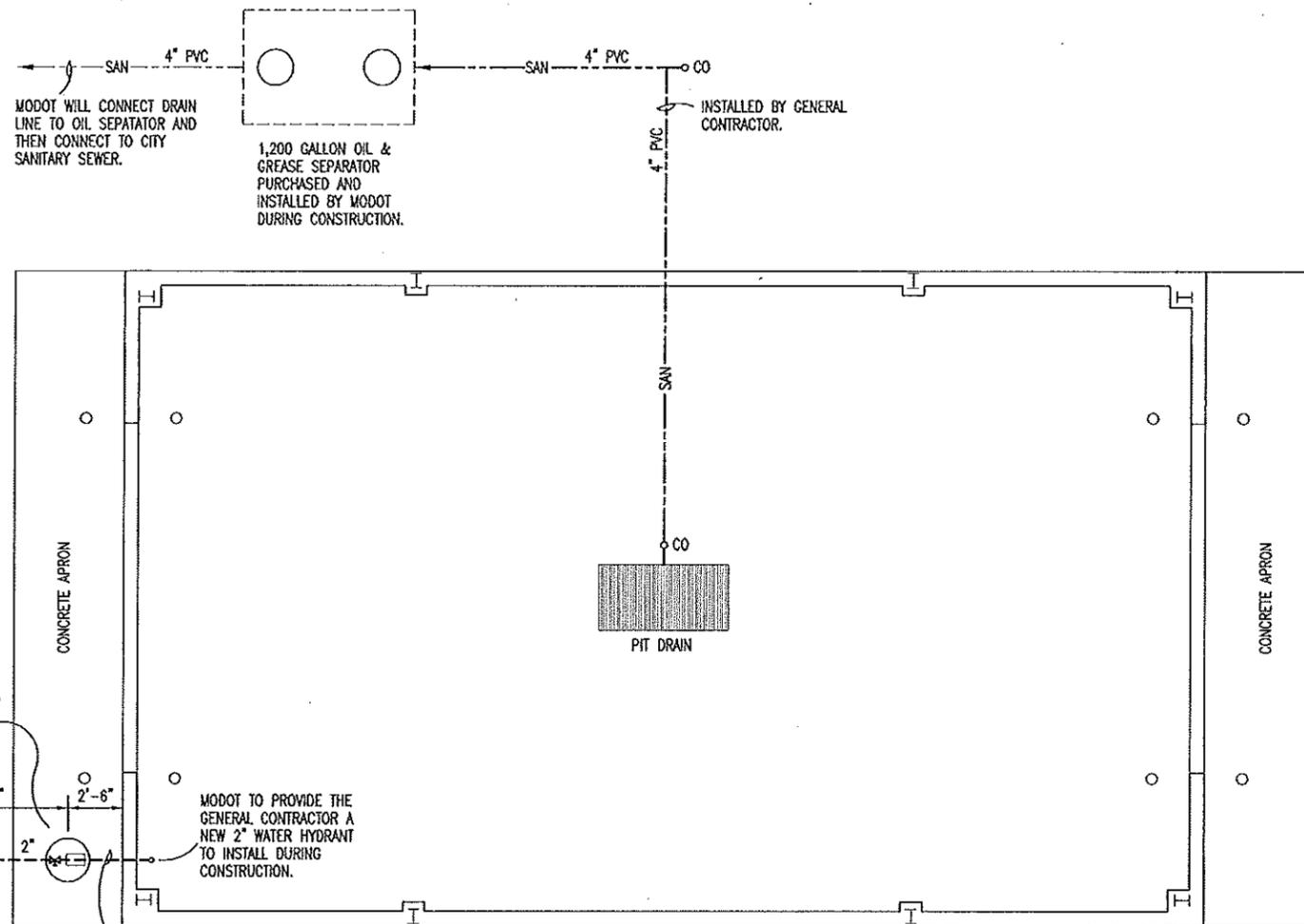
1/26/12

FOUNDATION DETAILS

MISSOURI DEPARTMENT
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PRESTON TRUCK WASH BUILDING
SOUTHWEST DISTRICT

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Sheet
7 of 8



PLUMBING NOTES

1. DRAWINGS AND DIAGRAMS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS.
2. PLUMBING SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE LATEST EDITION OF THE NATIONAL PLUMBING CODE.
3. PLUMBING SHALL BE LOCATED AND PLACED UNDER THE SLAB PRIOR TO POURING OF CONCRETE. PIPING SHALL BE RUN IN SAND FILLED TRENCH UNDER THE BASE ROCK AND SLEEVED WITH PVC WHENEVER RUN THROUGH CONCRETE.
4. PROVIDE PLUMBING EQUIPMENT AND ACCESSORIES REQUIRED FOR COMPLETE AND OPERATIONAL PLUMBING SYSTEMS AS REQUIRED BY MANUFACTURER'S INSTRUCTIONS AND DIRECTIONS FOR SYSTEMS SPECIFIED.
5. EXTERIOR BELOW-GRADE GROUND WATER DISTRIBUTION PIPING SHALL RUN A MINIMUM OF 36" BELOW FINISH GRADE.
6. CONTRACTOR TO COORDINATE PLACEMENT OF MODOT SUPPLIED AND INSTALLED OIL SEPARATOR AND ITS FLOW LINE DURING CONSTRUCTION.
7. CONTRACTOR TO PROVIDE AND INSTALL 2"-#007 DOUBLE-CHECK BACKFLOW PREVENTER AND SHUT-OFF IN DIAMETER AS REQUIRED x 42" MINIMUM DEPTH CONCRETE OR FIBERGLASS VALVE PIT WITH HEAVY-DUTY CAST IRON FRAME AND LID.

2" DOUBLE-CHECK BACKFLOW PREVENTER AND SHUT-OFF IN CONCRETE PIT AND HEAVY DUTY LID. SIZE AS REQUIRED.

MODOT TO PROVIDE THE GENERAL CONTRACTOR A NEW 2" WATER HYDRANT TO INSTALL DURING CONSTRUCTION.

MODOT TO PROVIDE AND INSTALL NEW WATER LINE CONNECTING TO THE CITY WATER SUPPLY.

CONTRACTOR TO PROVIDE AND INSTALL NEW 2" COPPER WATER LINE AND CAP. MARK LOCATION.

A
8 **PLUMBING PLAN**
SCALE: 1/8" = 1'-0"



Handwritten: Douglas A. Record
DOUGLAS A. RECORD
 ARCHITECT
 NUMBER A-2009002624
 1/26/12

PLUMBING PLAN

MISSOURI DEPARTMENT OF TRANSPORTATION
 DIVISION OF GENERAL SERVICES
 FACILITIES MANAGEMENT

**PRESTON TRUCK WASH BUILDING
 SOUTHWEST DISTRICT**

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 Sheet 8 of 8