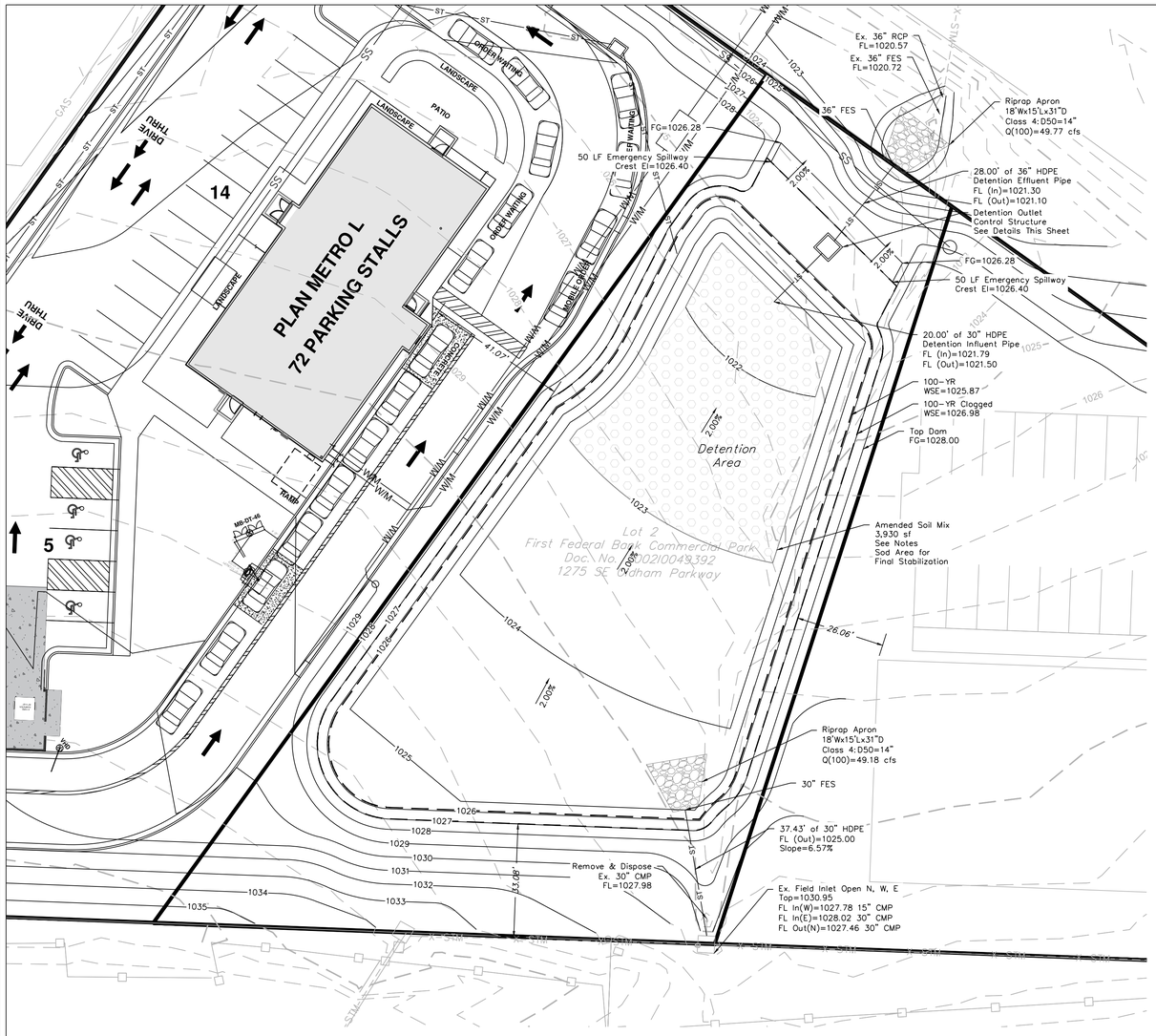
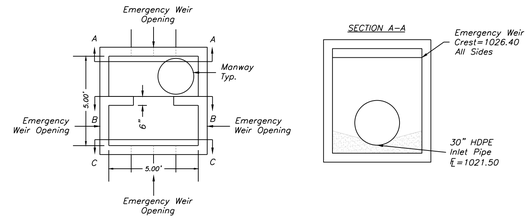


North

0 10' 20' 40'

DETENTION PLAN

SCALE: 1" = 20'



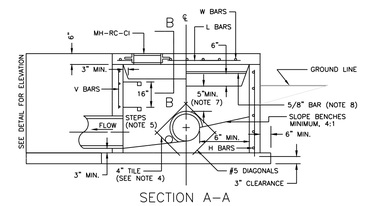
CONTROL STRUCTURE

1" = 1'-0"

CONTROL STRUCTURE DETAILS

GENERAL NOTES:

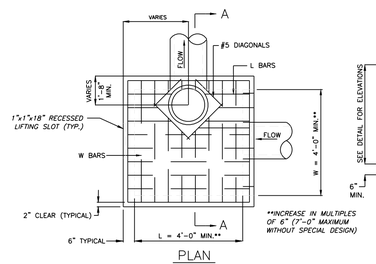
1. Manhole locations shall be as indicated on the plans.
2. All work and materials shall conform to APWA Sect. 2600.
3. Use 3/4" chamfer strip on all exposed concrete corners.
4. Steps required @ 16" O.C. when depth from top of casting to invert exceeds 4 feet.
5. Boxouts will not be allowed to project through the corners of the structure.
6. The minimum reinforcing shall be 1 H-bar over a cast-in place pipe and 2 H-bars over a precast boxout.
7. Limit opening height to 6" with No. 5 galvanized bars extending to corner rebars.
8. Show field inlet orientation on plans plus number and size of opening.
9. O.R. = one half outside pipe diameter (O.D.).
10. 4" ø field tile or precast hole shall be located at entering pipe and in the front face sump points. These tiles or openings shall be capped with ¼" galvanized wire mesh on the outside of the inlet and clear the invert and base concrete.



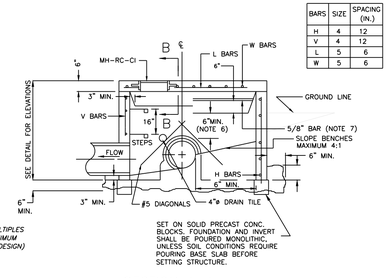
SECTION A-A
CAST IN PLACE

REINFORCING

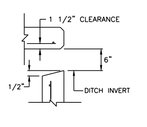
BARS	SIZE	SPACING (IN.)
H	4	12
V	4	12
L	5	6
W	5	6



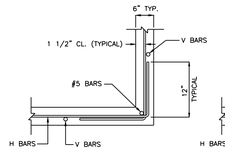
PLAN



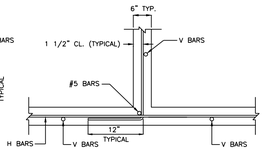
SECTION A-A



SECTION B-B



CORNER DETAIL



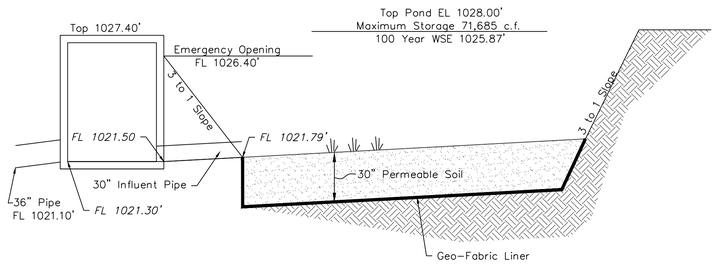
T-SECTION DETAIL

Geo-Fabric Liner

-GEI Works 4 ounce Non-Woven Geotextile Filter Fabric for filtration, stabilization and separation minimum water flow 120 gpm / sf wrapped continuously along the sidewalls and bottom of the permeable soil mix

Permeable Soil Mix

-The Permeable Soil Mix shall consist of 60% Sand, 20% Compost & 20% Top Soil



SECTION VIEW

N.T.S.

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Surveying 2005008319-D
Kansas
Engineering E-1695
Surveying LS-218
Oklahoma
Engineering 6254
Nebraska
Engineering CA2821

1275 SE Oldham Parkway
Lot 2, First Federal Bank Commercial Park
Lee's Summit, Jackson County, Missouri

Project: CULVERS OLDHAM PKWY LEES SUMMIT
Issue Date: January 13, 2020

Detention Basin Plan
Construction Plans for:
CULVERS
Lot 2, First Federal Bank Commercial Park
Lee's Summit, Jackson County, Missouri

Matthew J. Schlicht
MO PE 2006019708
KS PE 19071
OK PE 25226
NE PE E-14335

REVISIONS

C.201