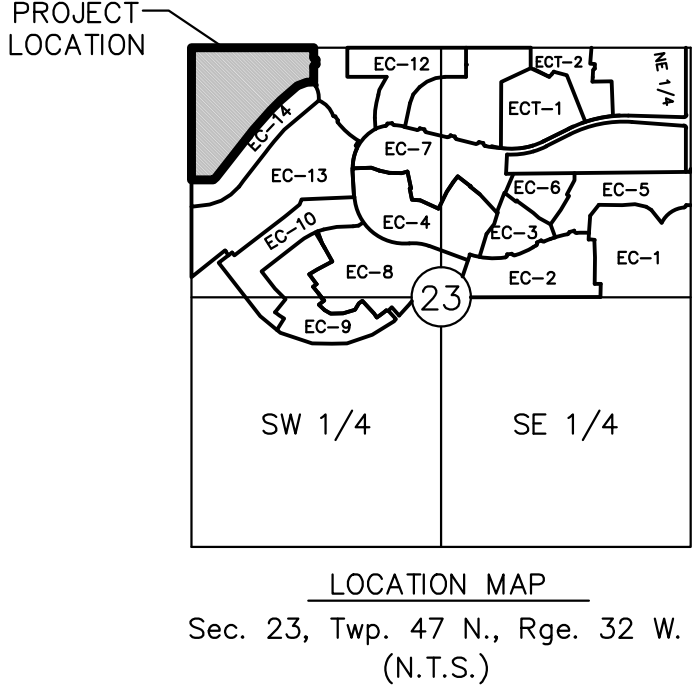


EAGLE CREEK 15TH PLAT

Lee's Summit, Jackson County, Missouri

WATER MAIN EXTENSION

PROJECT BENCHMARK
KC Metro Monument JA-74, 1988 Monument located in the NW $\frac{1}{4}$, NW $\frac{1}{4}$ Sec. 35, T47N, R32W on the South R/W of Route 150. 56.5' South of the Centerline of Route 150 and 90' West of a private drive into a farmhouse on the North R/W. Elevation: 1057.70



SUMMARY OF QUANTITIES			
ITEM	UNIT	PLAN	AS-BUILT
8" C900 Plastic Pipe	L.F.	2,362.72	2,362.72*
8"x8" Tee	E.A.	2	2
Temporary Hydrant Assembly	E.A.	2	2
Fire Hydrant Assembly	E.A.	4	4
Gate valves	E.A.	3	4
Convert Temporary Hydrant Assembly	E.A.	1	1
Remove Temporary Hydrant Assembly	E.A.	2	2

*As provided by contractor

Summary of Quantities as indicated above and any quantities as shown within the plans have been provided for permitting purposes only and are not intended for use in preparation of contract documents. Quantities intended for, but not limited to, the preparation of proposals and bid documents shall be independently evaluated by the estimating personnel based upon the contents of these plans.

Note: All construction shall follow the City of Lee's Summit Design and Construction Manual as adopted by Ordinance 5813.

AS BUILT

DATE: 11.14.2017

INDEX OF SHEETS

COVER SHEET	1
WATER GENERAL LAYOUT	2
WATER PLAN & PROFILE	3-5
WATER DETAILS	6

Applicant:
Hunt Midwest Real Estate Development Inc.
8300 NE Underground Drive
Kansas City, MO 64161
Phone #: 816.455.2900
Contact Person: Aaron Schmidt

Melin G DeGonia 3-5-18
Melissa G DeGonia, P.E. Date

REVIEWED BY:

City of Lee's Summit, Missouri Date

UTILITY SERVICE NUMBERS	
LEE'S SUMMIT PUBLIC WORKS	816-969-1800
LEE'S SUMMIT WATER & SEWER DEPARTMENT	816-696-1940
MISSOURI GAS ENERGY	816-756-5252
TIME WARNER CABLE	816-358-5360
AT&T	800-286-8313
KCP&L	816-471-5275



Record Drawing

OLSSON[®]
ASSOCIATES

[illegible]

REVISIONS

2016

LEE'S SUMMIT, MISSOURI

COVER SHEET

EAGLE CREEK
15TH PLAT

drawn by: D.A.H.
design by: P.M.
approved by: M.G.
QA/QC by: M.G.
project no.: 016-343
date: 2016/12/0

SHEET

1

USER: dhernandez

DWG: F:\2016\3001-3500\016-3432\Lutjen\Plans\Asbuilts\Water 34x22\CWA-016-3432.dwg
DATE: Jan 10, 2018 6:03pm

DWG:
DATE:

[illegible]

2016

KANSAS CITY, MISSOURI

WATER GENERAL LAYOUT

EAGLE CREEK
15TH PLAT

drawn by: D.A.H.O
design by: P.M.D
approved by: M.G.D
QA/QC by: M.G.D
project no.: 016-3432
date: 2016/12/05

SHEET
2



LEGEND

NEW

EXISTING

WATER MAINS

FIRE HYDRANTS ASSEMBLY

STRAIGHT SET HYDRANT ASSEMBLY

STRADDLE BLOCK

VALVES

OTHERS

PROPERTY LINE

STOP SIGN

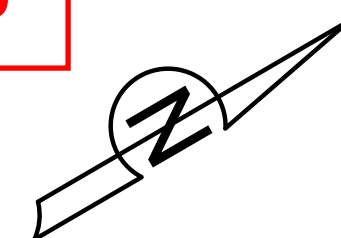
END OF ROAD TREATMENT

GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MOST RECENT VERSION OF THE STANDARDS AND SPECIFICATIONS FOR WATER MAIN EXTENSIONS OF THE LEE'S SUMMIT, MISSOURI WATER SERVICES DEPARTMENT. WHERE DISCREPANCIES EXIST BETWEEN THESE PLANS AND THE DESIGN AND CONSTRUCTION MANUAL, THE DESIGN AND CONSTRUCTION MANUAL SHALL PREVAIL.

2. AREAS WITH LESS THAN 4 FEET OF DEPTH FROM EXISTING GRADE TO PROPOSED TOP OF PIPE SHALL BE FILLED TO AN ELEVATION OF 4 FEET ABOVE THE PROPOSED TOP OF PIPE, COMPACTED 95% OF STANDARD PROCTOR DENSITY AS DETERMINED BY ASTM D698 PRIOR TO TRENCHING FOR PIPE INSTALLATION.

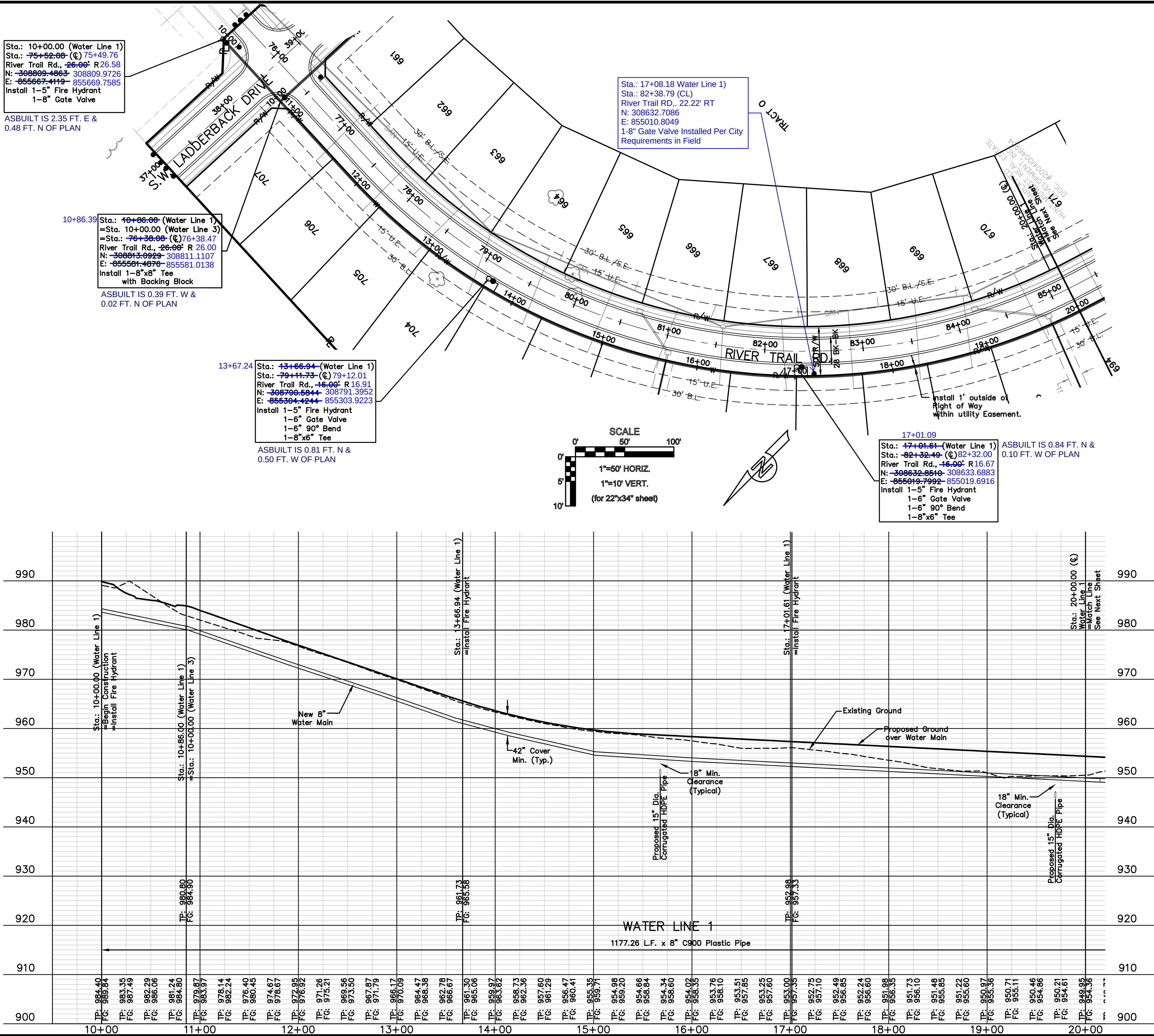
Record Drawing



SCALE
0' 60' 120'

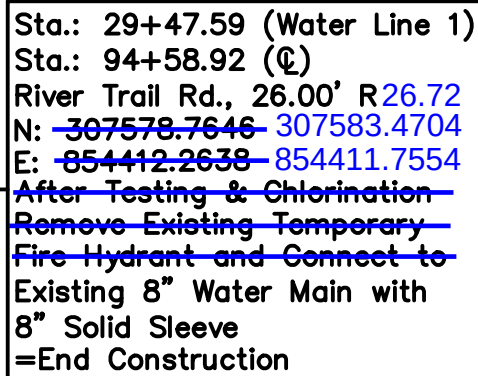
1"=60' HORIZ.
(for 22"x34" sheet)

NOT AS BUILT



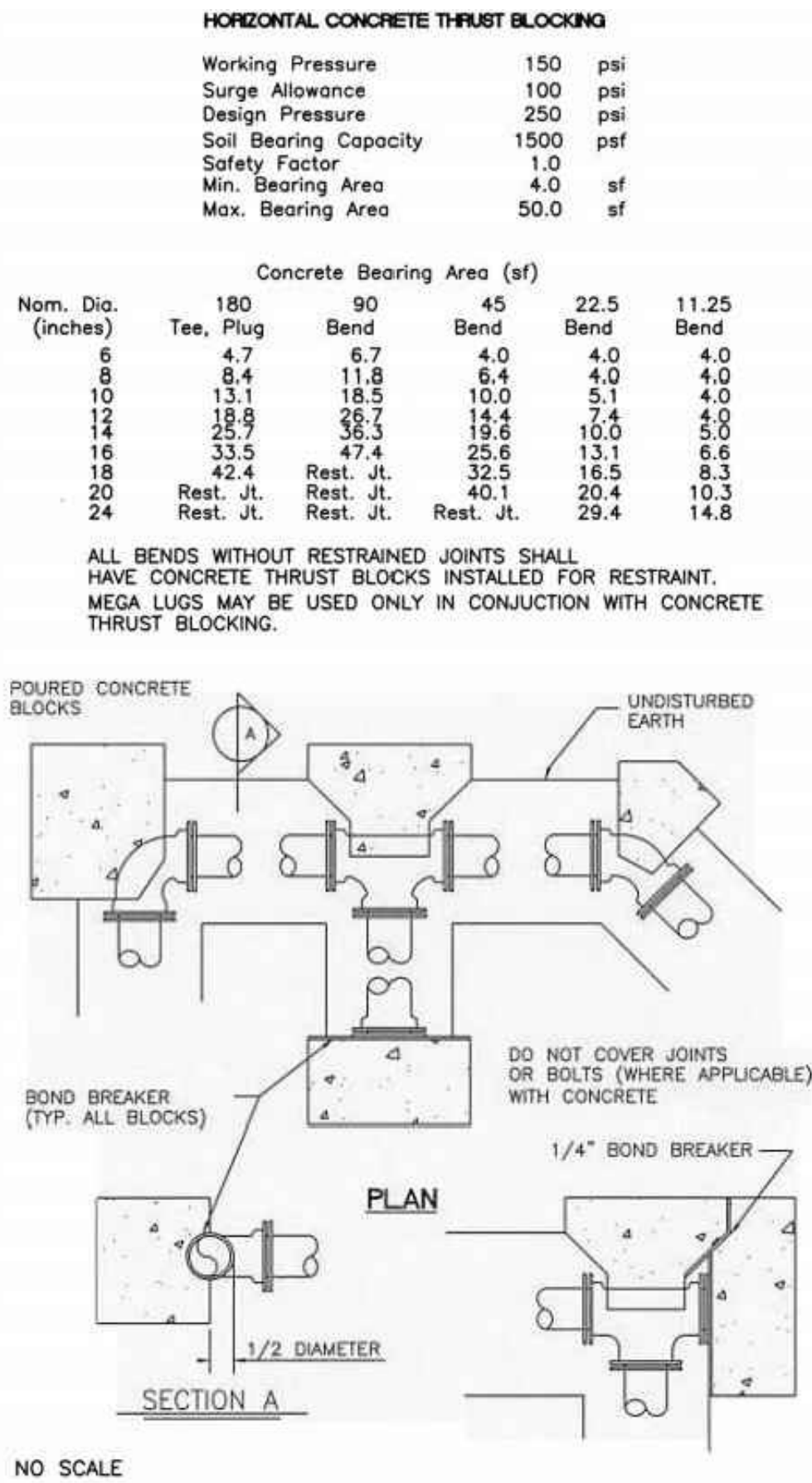
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AS BUILT
DATE: 11.14.2017

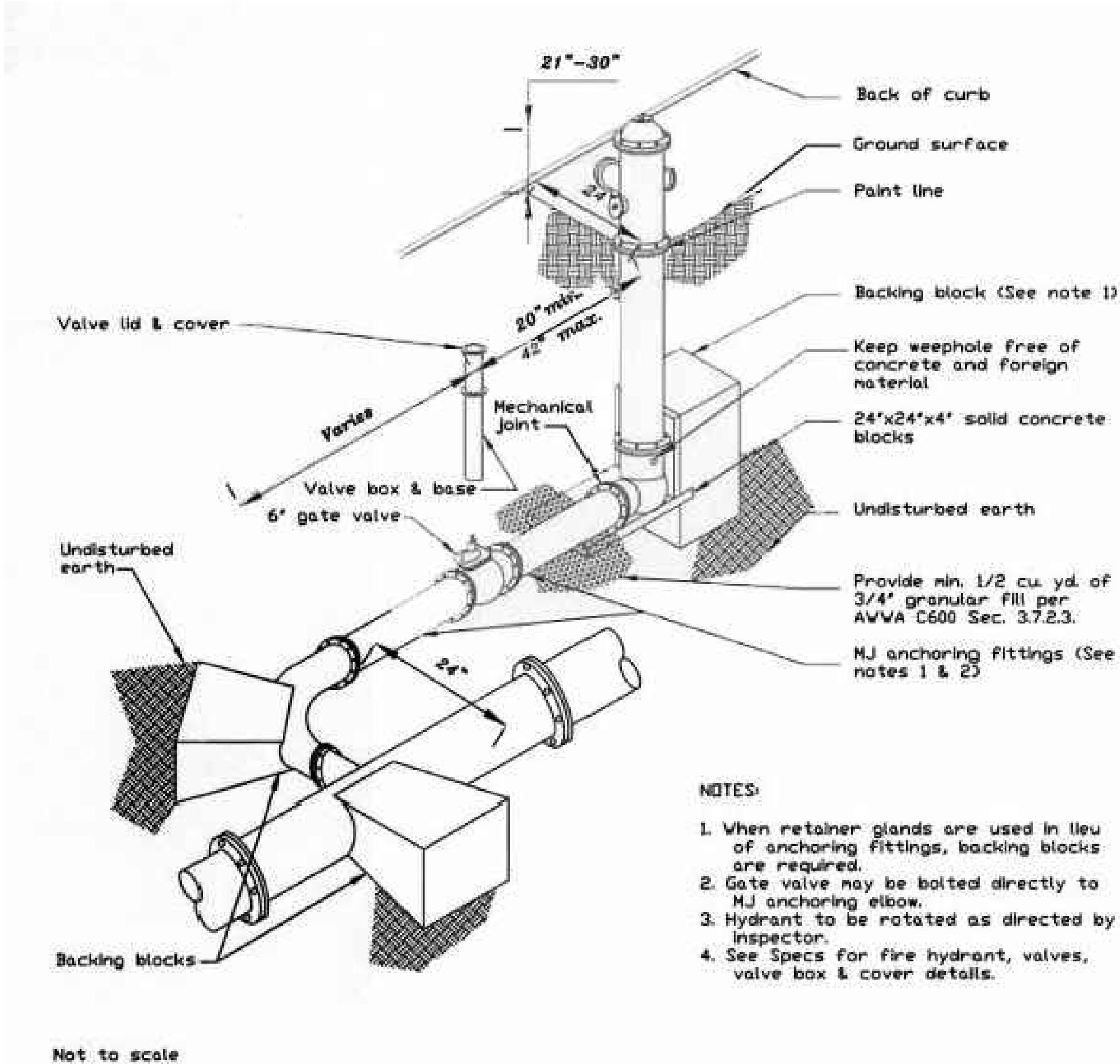
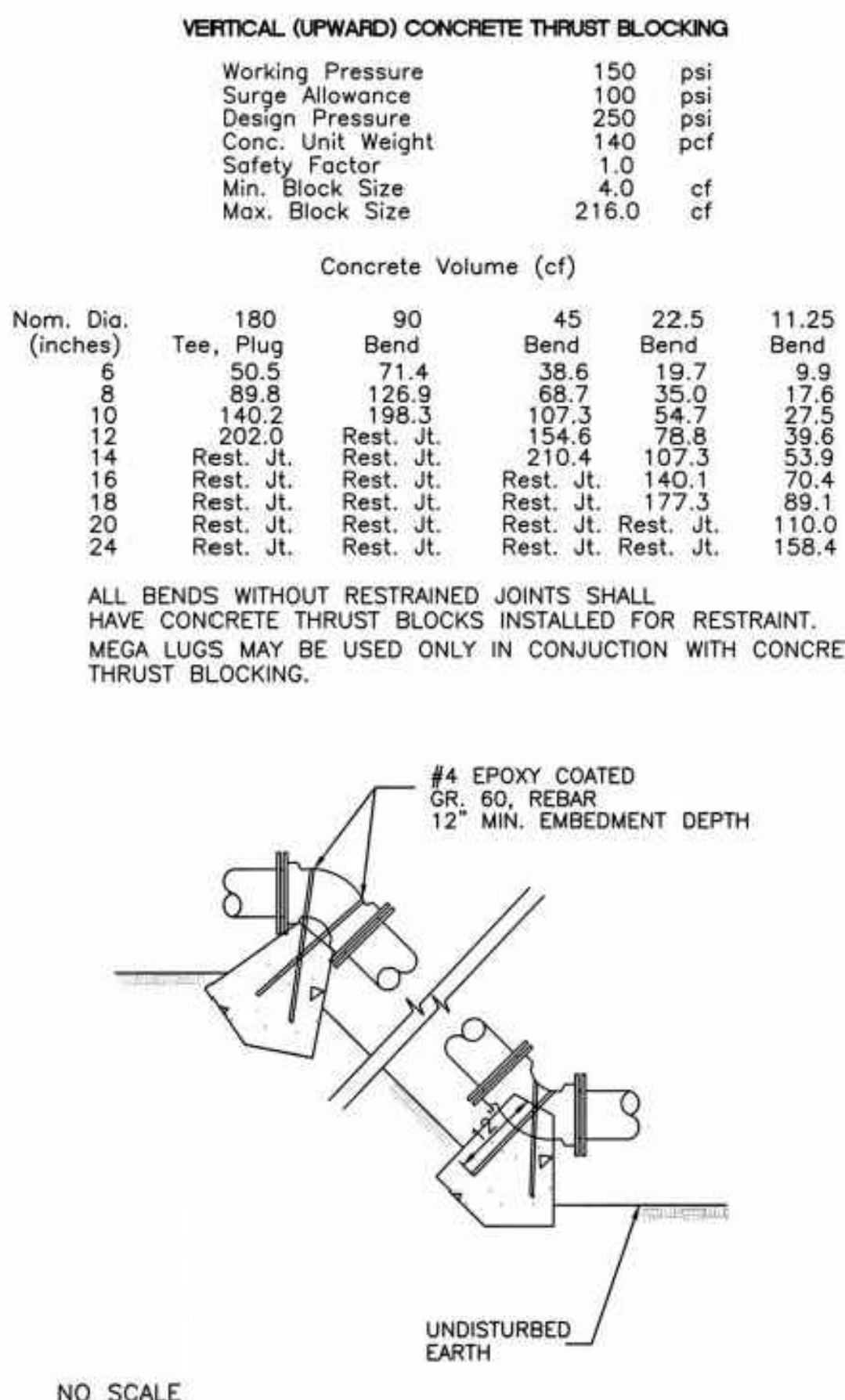


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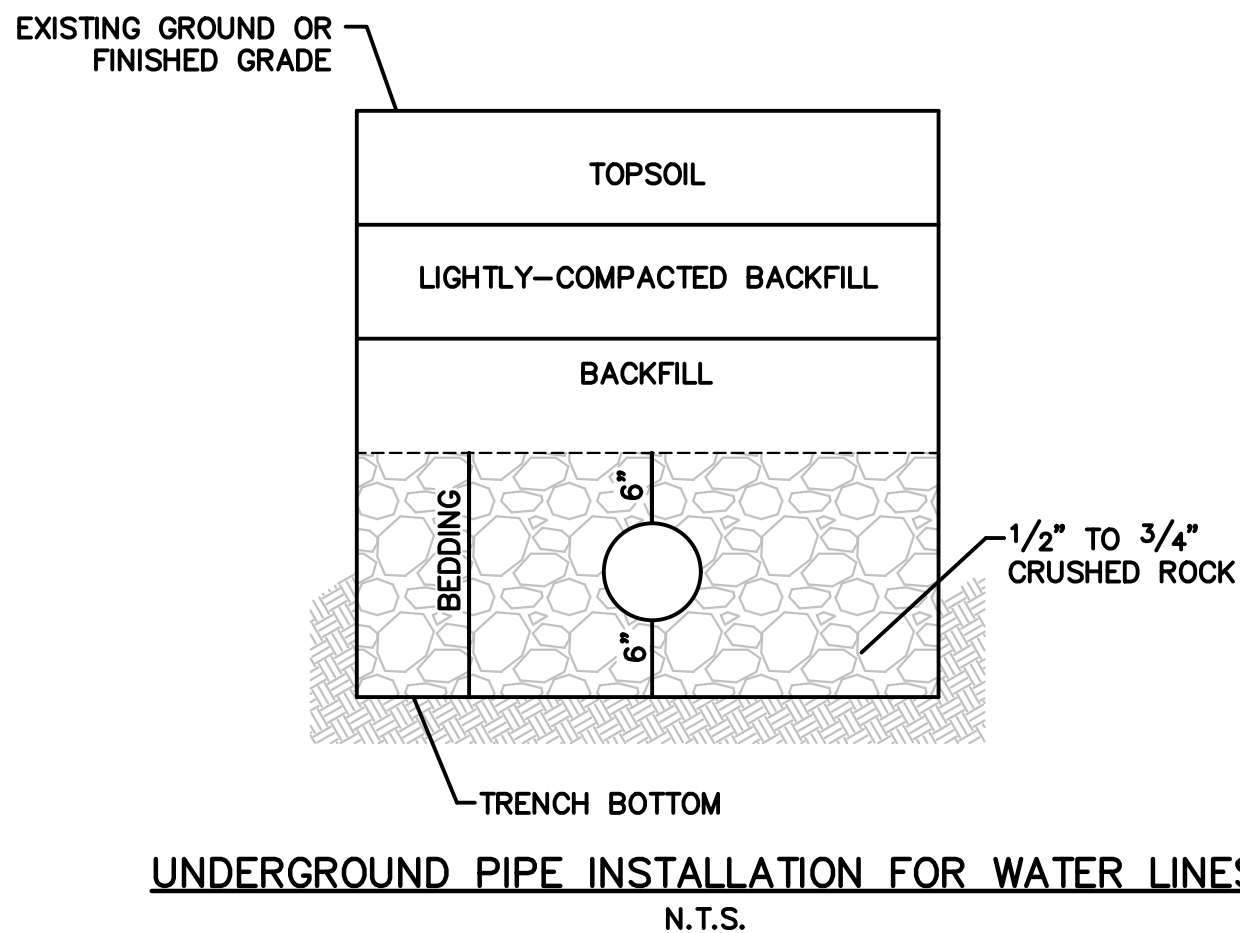
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DATE: Jan 10, 2018 6:04pm
USER: dhernandez



THRUST BLOCK DETAILS
N.T.S.



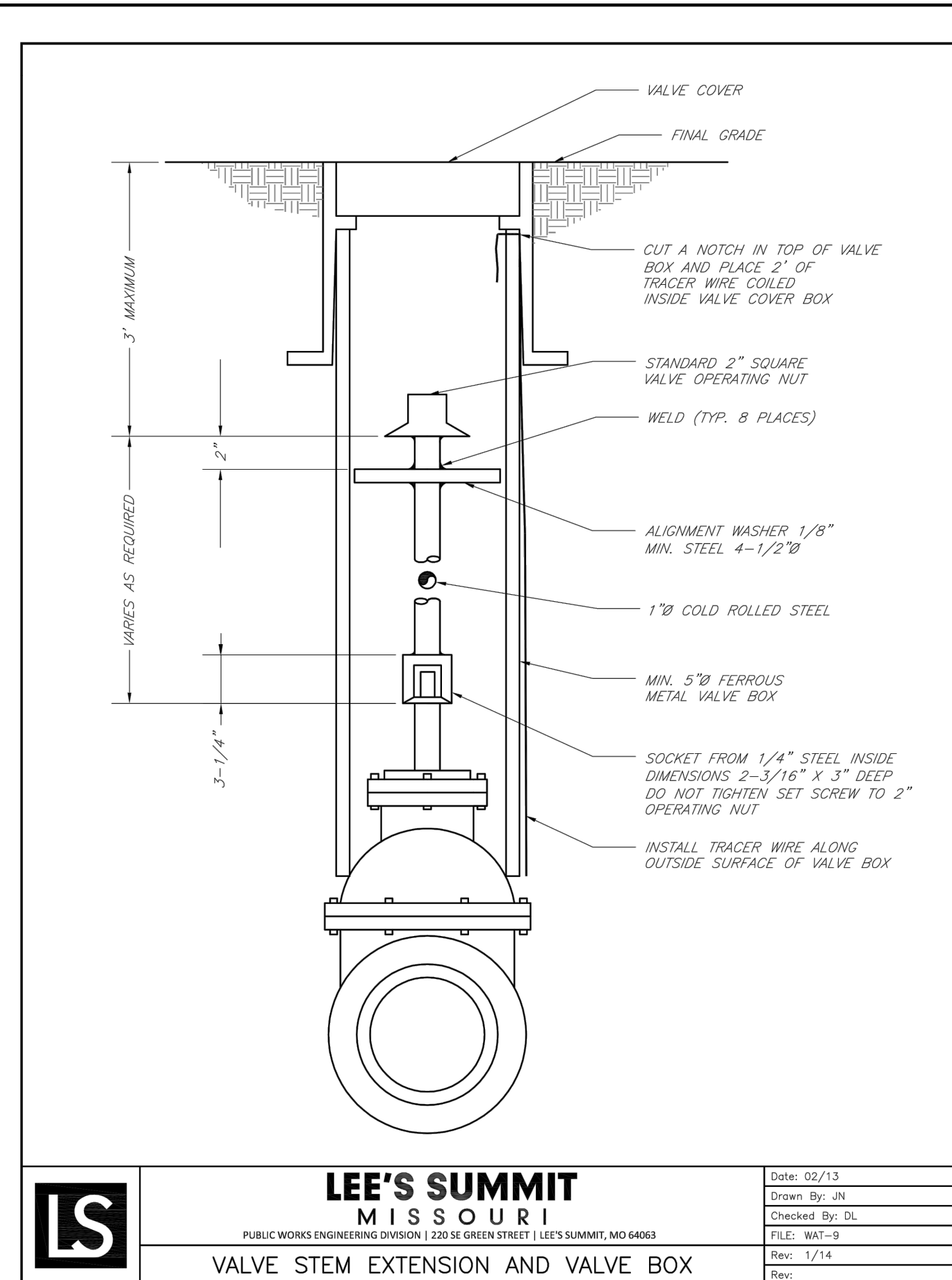
FIRE HYDRANT DETAIL
N.T.S.



- NOTES:**
- A MINIMUM OF 42 INCHES OF COVER SHALL BE OVER THE TOP OF THE PIPE. THIS MINIMUM OF COVER SHALL BE FROM THE TOP OF PIPE TO THE FINISHED GRADE. A MAXIMUM COVER OF 7' SHALL BE ALLOWED.
 - BEDDING AGGREGATE SHALL BE PLACES FROM A LEVEL 6 INCHES BELOW THE BOTTOM OF THE PIPE TO A LEVEL 6 INCHES ABOVE THE TOP OF THE PIPE.
 - TRENCH BACKFILL IN PAVED AREAS WITHIN STREET OR ALLEY RIGHT OF WAYS
 - NARROW TRENCH: SUITABLE BACKFILL MATERIAL FOR TRENCHES 24 INCHES OR LESS IN WIDTH AND SHALL BE TYPE A FLOWABLE FILL.
 - STANDARD TRENCH: SUITABLE BACKFILL MATERIAL FOR TRENCHES BETWEEN 24 TO 48 INCHES WIDE SHALL BE EITHER TYPE A FLOWABLE FILL OR DENSE, WELL GRADED AGGREGATE BASE MATERIAL. AGGREGATE BASE MATERIAL SHALL MEET THE REQUIREMENTS FOR KDOT AB-3; MODOT TYPES 1 OR 5; OR APWA 2202.2.
 - WIDE TRENCH: SUITABLE BACKFILL MATERIAL FOR TRENCHES BETWEEN GREATER THAN 48 INCHES WIDE SHALL BE SUITABLE MATERIAL AS SPECIFIED FOR EARTH EMBANKMENT IN APWA STANDARD SPECIFICATIONS, SECTION 2102.2.C.
 - SUITABLE BACKFILL MATERIAL OUTSIDE OF PAVED AREAS WITHIN RIGHT OF WAY, AND ALL AREAS OUTSIDE RIGHT OF WAY, MAY BE SUITABLE MATERIAL AS SPECIFIED FOR EARTH EMBANKMENT IN APWA STANDARD SPECIFICATIONS, SECTION 2102.2.C. SUITABLE BACKFILL MATERIAL MAY ALSO BE OTHER TRENCH BACKFILL MATERIAL (FLOWABLE FILL OR AGGREGATE BASE) DEPENDING ON SITE CONDITIONS, TRENCH WIDTHS OR AT THE DIRECTION OF THE CITY'S ON SITE INSPECTOR.

Record Drawing

NOT AS BUILT



BY	REVISIONS DESCRIPTION	DATE	NO. REV.
JES	Prepared for city submittal	01.17.2017	1
	Trench and Valve Box details revised	02.23.2017	

WATER DETAILS	EAGLE CREEK 15TH PLAT	2016
KANSAS CITY, MISSOURI		

drawn by: D.A.H.O
design by: P.M.D
approved by: M.G.D
QA/QC by: M.G.D
project no.: 016-3432
date: 2016/12/09