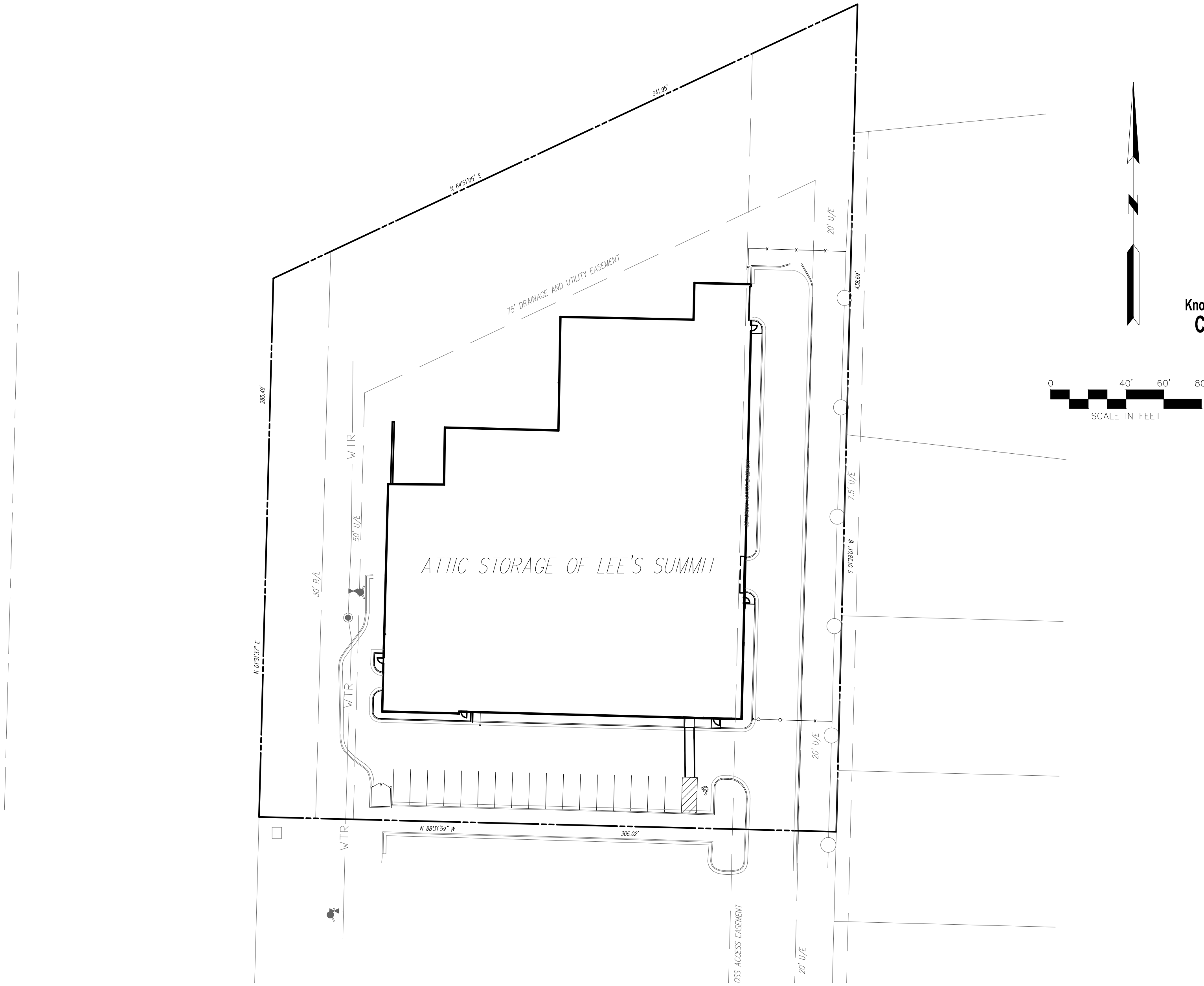


INDEX
CIVIL SUBMITTAL

1. COVER SHEET
2. DEMOLITION PLAN
3. SITE DIMENSION PLAN
4. GRADING PLAN
5. EROSION CONTROL PLAN
6. PRE DEVELOPMENT DRAINAGE AREA MAP
7. POST DEVELOPMENT DRAINAGE AREA MAP
8. UTILITY PLAN
9. LANDSCAPE PLAN
10. SITE DETAIL SHEET
11. SITE DETAIL SHEET
12. SITE DETAIL SHEET

PHOTOMETRIC AND SITE LIGHTING PLANS

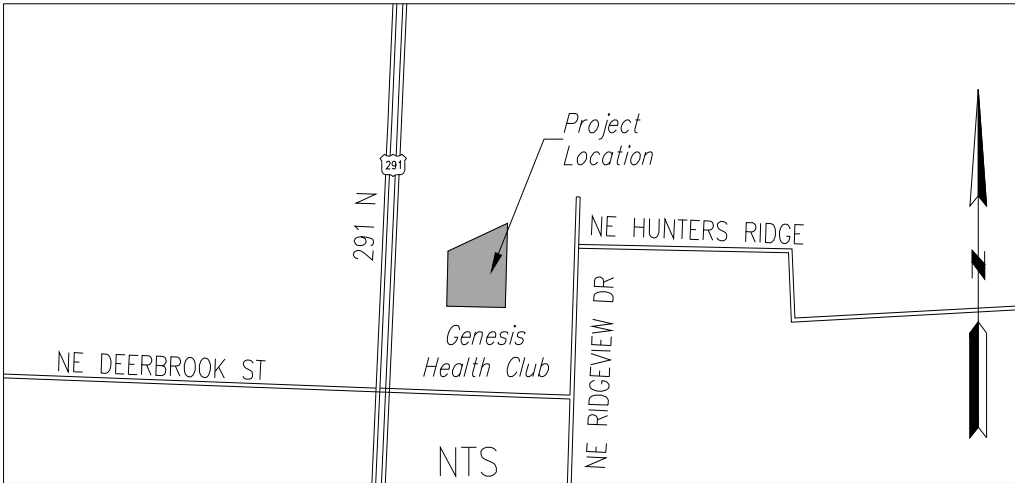
ATTIC STORAGE OF LEE'S SUMMIT
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI
FINAL DEVELOPMENT PLAN
CLIMATE CONTROLLED STORAGE BUILDING



Contractor to verify all invert elevations for existing sewer connections. Contact civil engineer if conflict arises.

PROJECT BENCHMARK:
#1 Top of Sanitary Manhole lid at east side of site.
N: 1008791.5340
E: 2829029.6350
TOP ELEV.=979.19

VICINITY MAP



UTILITIES

City of Lee's Summit
Department of Public Works
220 SE Green
Lee's Summit, Mo.
816-969-1800

KCPL
130 SE Hamblen Road
Lee's Summit, Mo.
816-347-4320

Spire (formerly MGE)
(Administrative Offices)
3025 SE Clover Road
Lee's Summit, MO
816-537-4681

AT&T
Craig Perkins
500 E. 8th Street
Kansas City, MO 64106
816-275-2721

Comcast
New Construction Hotline
866-771-2281

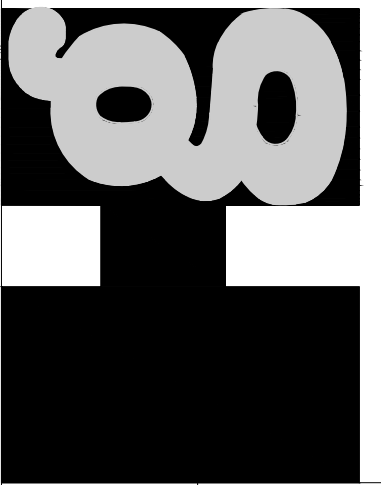
Missouri One Call
1-800-344-7483

DATE	REVISION	BY	CHKD
12/21/18	City Comments 8/3/2018	EDH	RKS
5/13/19	Building change	EDH	RKS
7/17/19	Building changes from contractor	EDH	RKS
7/31/19	City comments 7/30/19	EDH	RKS

IF THIS IS NOT A BLUE INK SEAL AND THE SIGNATURE IN BLUE INK THE PLAN IS A COPY AND MAY CONTAIN UNAUTHORIZED ALTERATIONS. THE CERTIFICATION CONTAINED ON THIS DOCUMENT SHALL NOT APPLY TO ANY COPIES



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COVER SHEET

ATTIC STORAGE OF LEE'S SUMMIT
LEE'S SUMMIT - JACKSON COUNTY - MISSOURI

GENERAL NOTES:

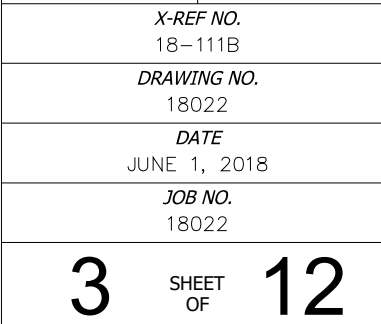
1. The underground utilities shown herein have been plotted from available information and do not necessarily reflect the actual existence, or nonexistence, size, type, number, or locations of these or other utilities. The contractor shall be responsible for verifying the actual locations of all underground utilities, shown or not shown, and said utilities shall be located in the field prior to any grading, excavation, or construction of improvements. These provisions shall in now way absolve any party from complying with the "UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT", Chapter 319, RSMO.
2. Gas, Water, and other Utilities shall not conflict with the depth or horizontal location of existing and proposed sanitary and storm sewers, including building laterals.
3. Prior to submittal of construction bids, the Contractor shall be required to visit the site to verify existing conditions and proposed improvements.
4. The Contractor shall be responsible for notification and coordination with all Utility Companies.
5. The Contractor shall notify the Engineer immediately of any discrepancies in the plans.
6. All sidewalk shall be ADA compliant.
7. The subject property is located within the West Tributary to Prairie Lee Lake (East Fork of Little Blue River).
8. There was no oil or gas wells located on the subject property as of July 1, 2018 as shown by the Missouri Geological Survey GEOSTRAT (Geosciences Technical Resource Assessment Tool).

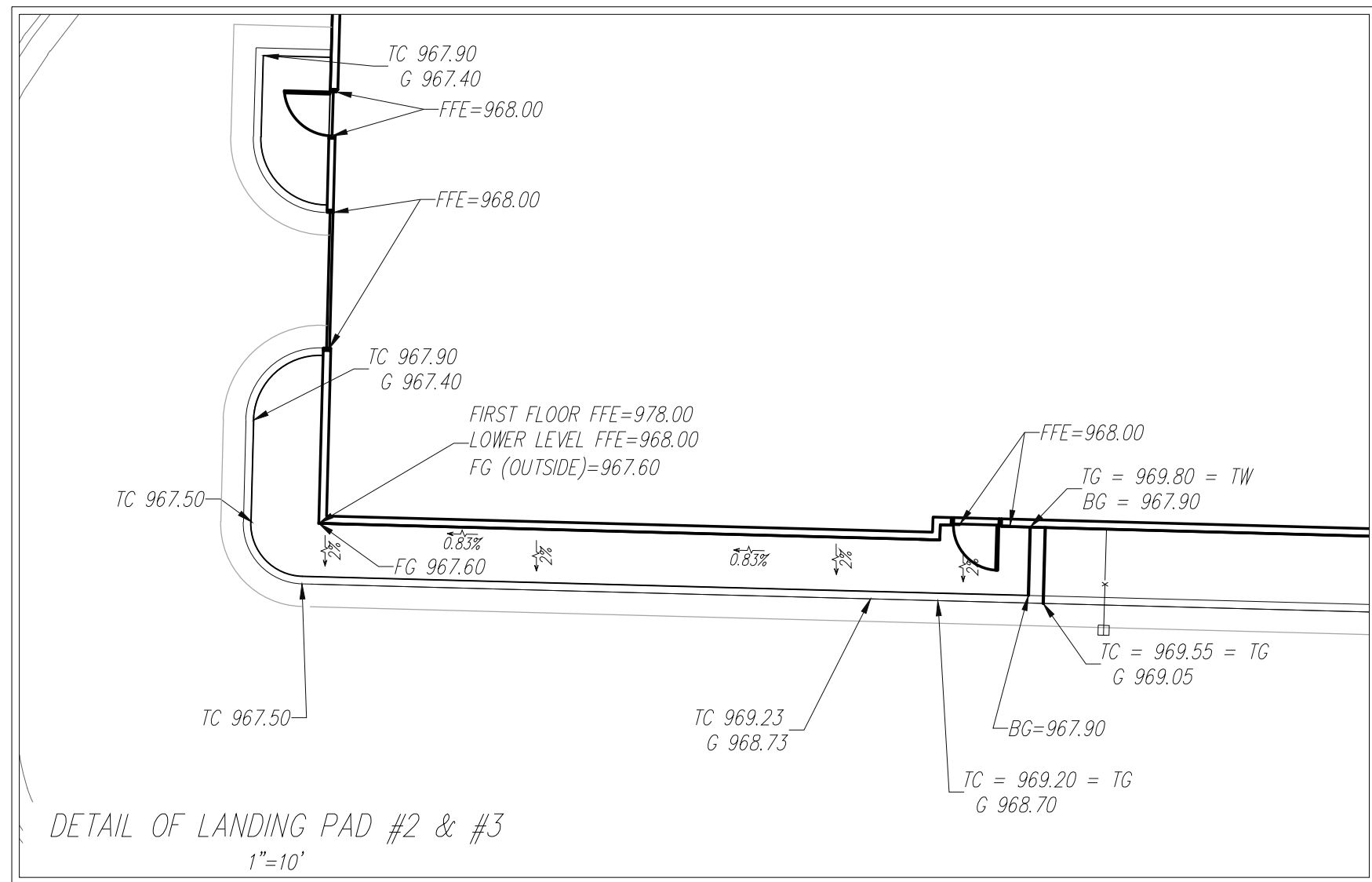
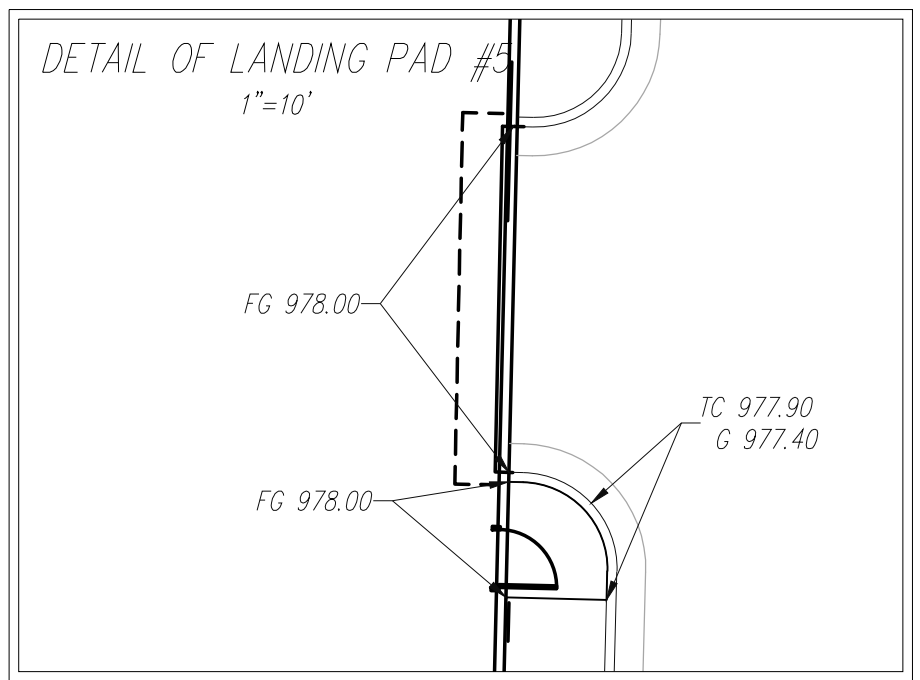
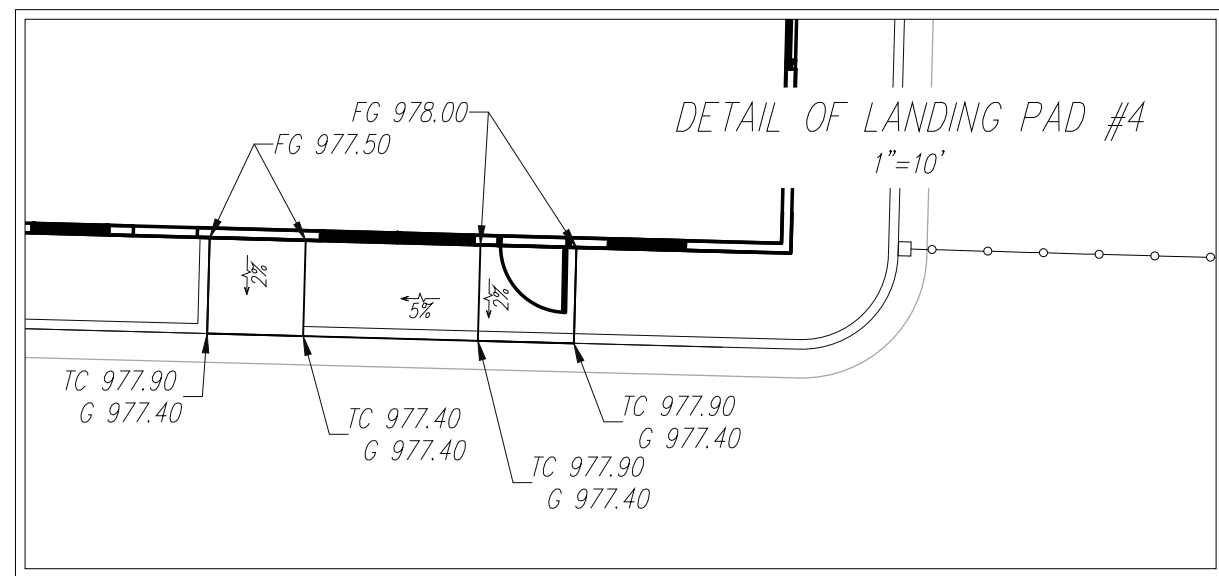
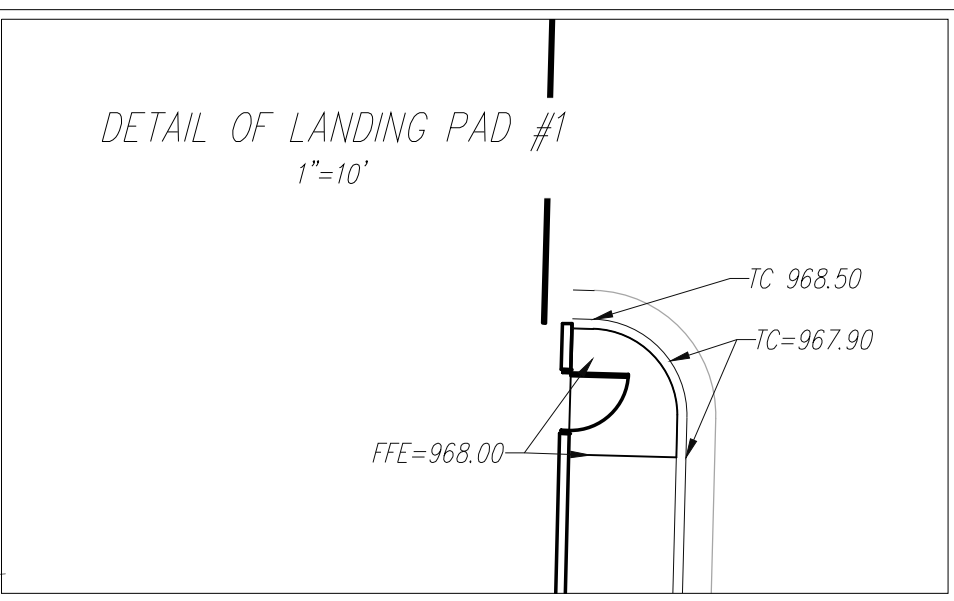
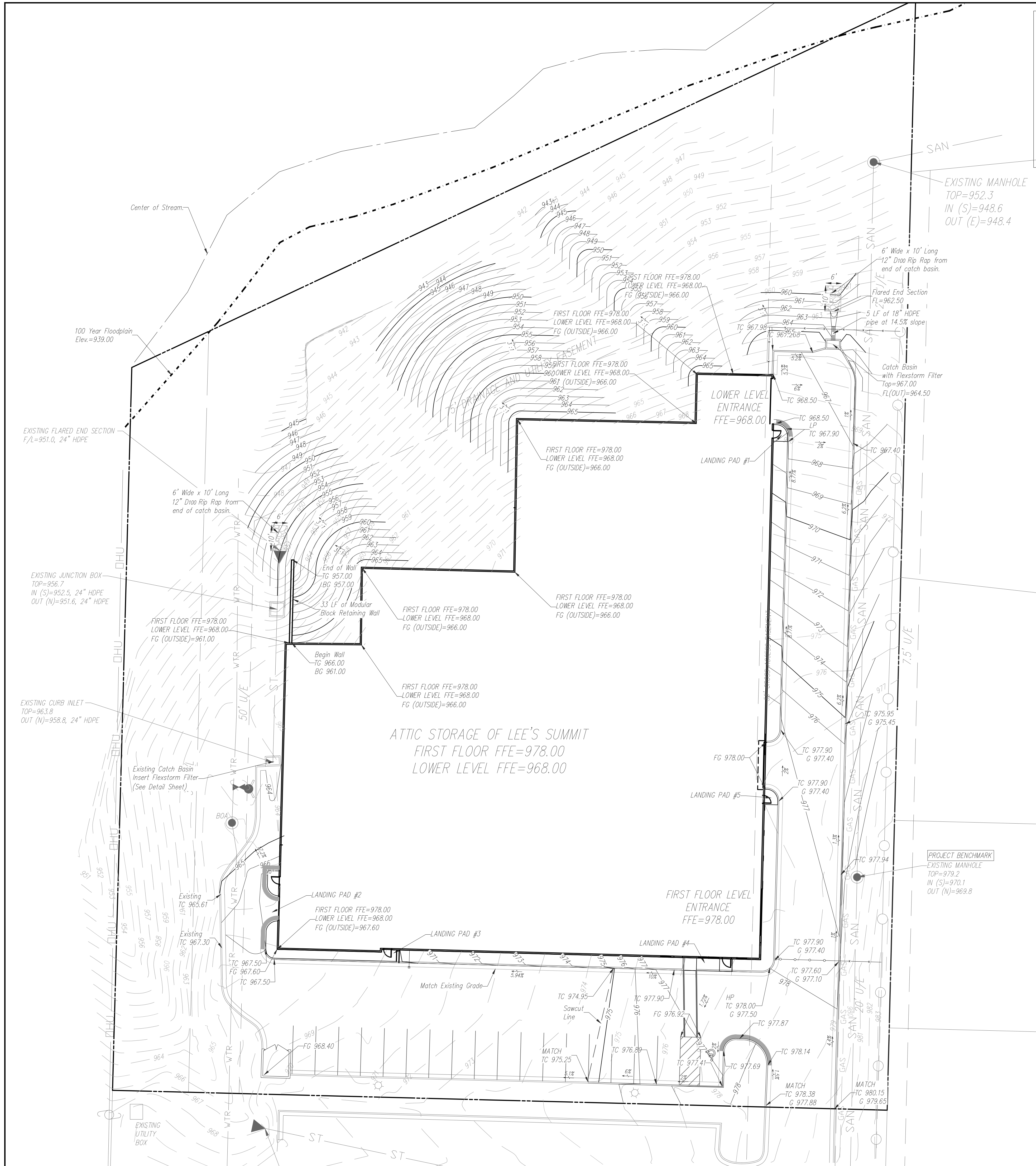
PLANS PREPARED FOR
STRICKLAND CONSTRUCTION COMPANY
720 S. ROGERS ROAD, SUITE B
OLATHE, KS 66062
913-764-7000
CONTACT - ROGERS STRICKLAND

PLANS PREPARED BY
HG CONSULT
11010 HASKELL
KANSAS CITY, KS 66109
(816) 703-7098
CONTACT - KEVIN STERRETT

X-REF NO. 18-1119	
DRAWING NO. 18022	
DATE JUNE 1, 2018	
JOB NO. 18022	
1	12







- GRADING NOTES:
1. All construction shall be in accordance with the latest edition of the City of Lee's Summit "DESIGN AND CONSTRUCTION MANUAL".
 2. Contractor shall verify the exact location and depth of all existing utilities prior to construction.
 3. Elevations are called out to top of curb, top of pavement, or top of structure, unless otherwise noted.
 4. Parking lot grading shall be performed to route storm water as directed to the storm collection system.
 5. ADA Space slope not to exceed 2% in any direction.
 6. Parking lot grading shall be performed to route storm water as directed to the storm collection system.
 7. Contractor shall contact the Development Engineering prior to commencement of work at 816-969-1200, 48 hours in advance.
 8. All curb shall be CG-1.
 9. Roof drains (RD) to be daylighted to catch basin and through Flexstorm filtration system.
 10. Subgrade to be compacted to 95% Standard Proctor Density.
 11. Proposed elevations indicated are for the top of final grade, pavement or structure unless indicated otherwise.
 12. All areas disturbed by construction shall be revegetated in accordance to the landscape plan.

***Floodplain information shown as provided by Karen Quackenbush, Staff Engineer, City of Lee's Summit.



Know what's below.
Call before you dig.



KEY	
PROPOSED	EXISTING
	100 Year Floodplain
	Center of Floodplain Stream
	Grades
	Tip out curb and gutter
	Finish Grade slope

PROJECT BENCHMARK:
#1 Top of Sanitary Manhole lid at east side of site.
N: 1008791.5340
E: 2829029.6350
TOP ELEV.=979.19

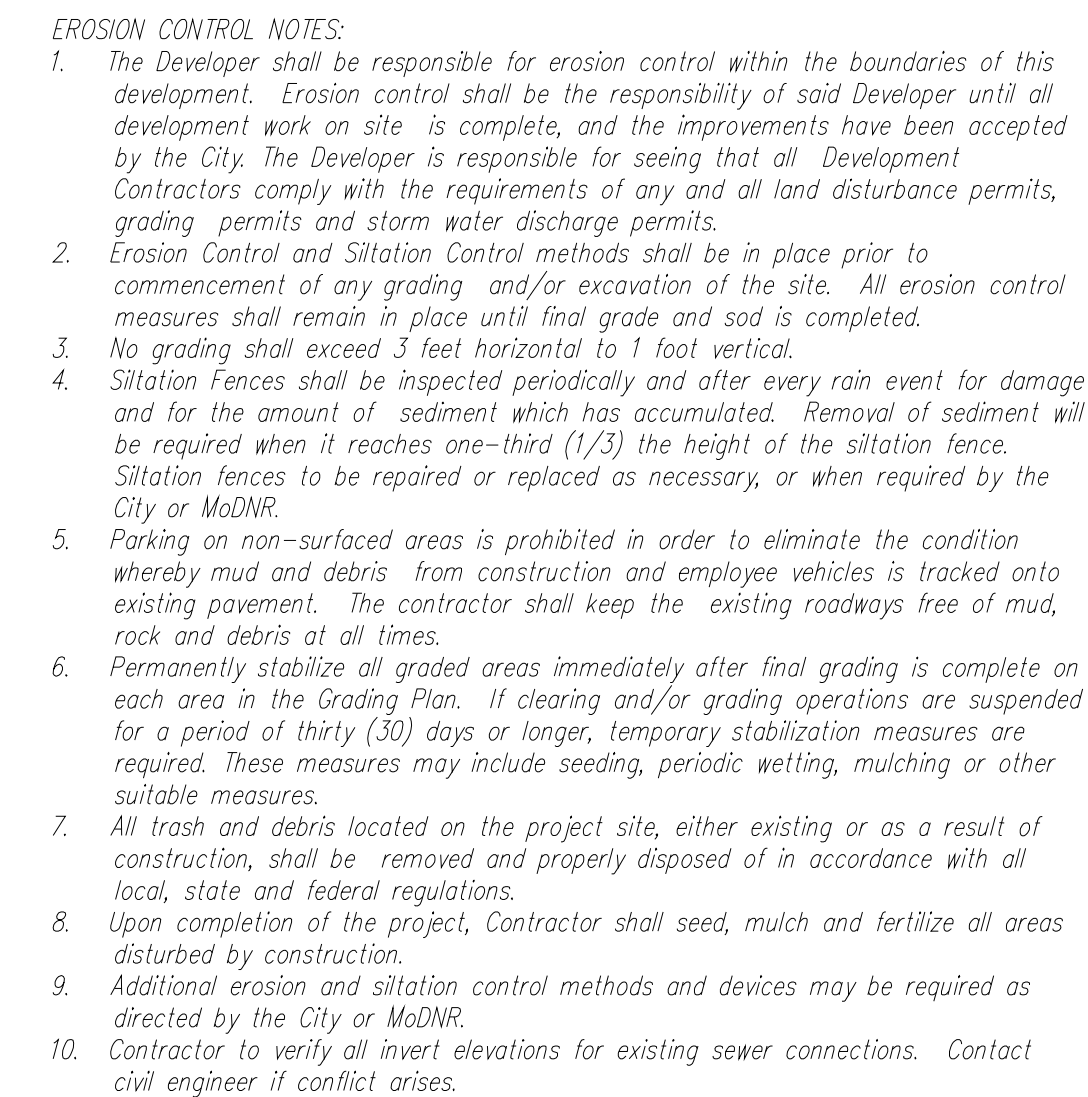
NO.	BY	DATE	REVISION

7/31/19

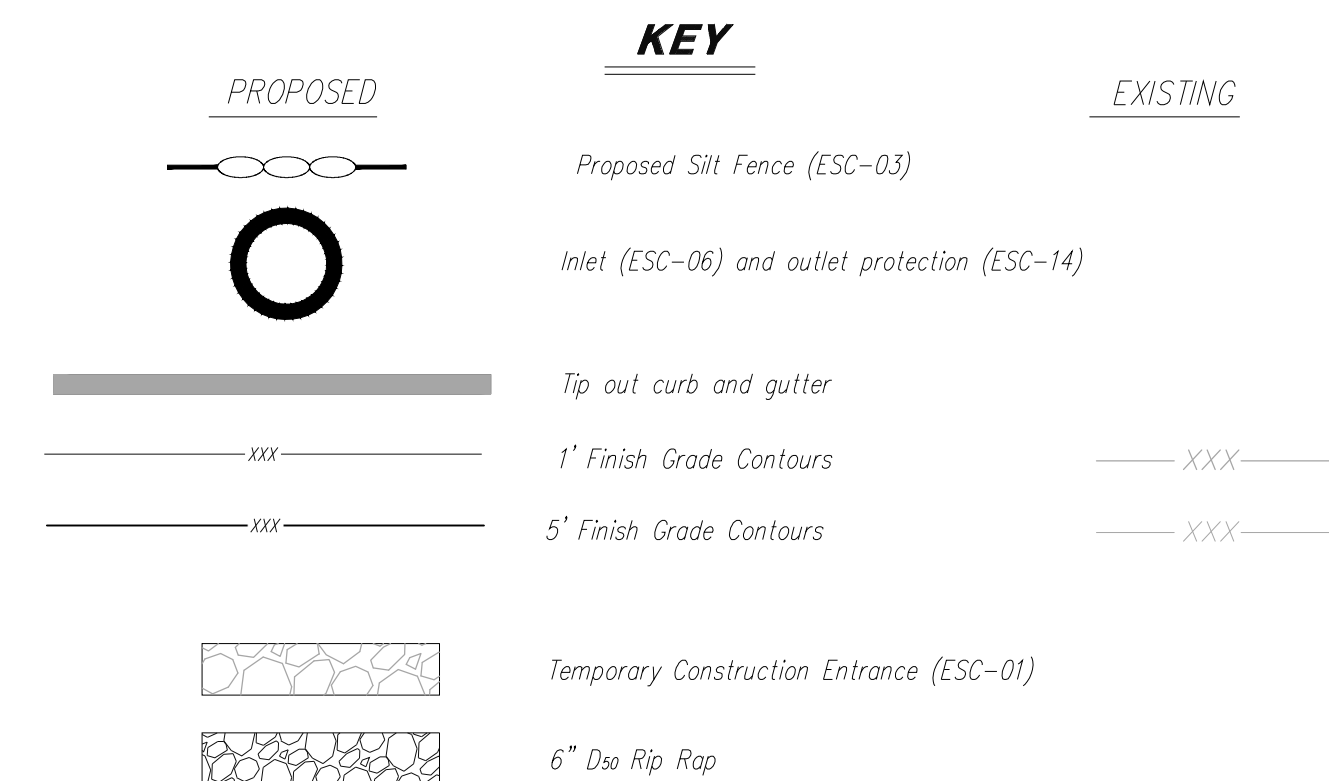
Consult Inc
engineers
planners

ATTIC STORAGE OF LEE'S SUMMIT
LEE'S SUMMIT - JACKSON COUNTY - MISSOURI

DATE	JUNE 1, 2018
JOB NO.	18022
SHEET OF	12



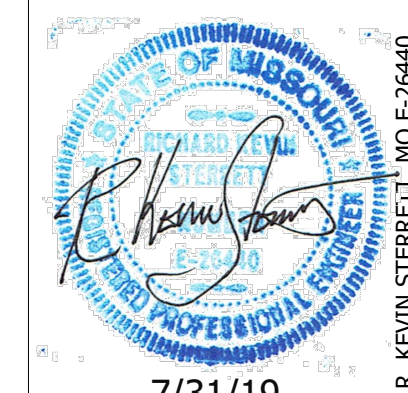
1. Obtain all necessary city permits.
2. Construct temporary construction entrance at location shown on this sheet.
3. Install perimeter silt fences in the locations shown on this sheet. Install inlet protection on existing curb inlet.
4. Locate and disconnect all existing utilities
5. Begin clearing and grubbing operations. Clearing and grubbing shall be done only in areas where earthwork will be performed and only in areas where building is planned to commence within 14 days after clearing and grubbing.
6. Commence site grading.
7. Disturbed areas of the site where construction activity has ceased for more than 14 days shall be temporarily seeded and watered.
8. Relocate existing utilities.
9. Install remaining erosion control measures and structures.
10. Prepare temporary parking and storage area.
11. Grade remainder of site.
12. Start construction of building pad and structures.
13. Install utilities, storm sewers, curbs and gutters.
14. Finalize pavement sub grade preparation.
15. Install base material as required for pavement.
16. Pave site.
17. Remove inlet protection around inlets and manholes no more than 48 hours prior to placing stabilized base course.
18. Remove temporary construction exits only prior to pavement construction in these areas (these areas are to be paved last).
19. Disturbed areas of the site where construction activity has ceased for more than 14 days shall be temporarily seeded and watered.
20. Carry out final grading, seeding and planting. Fine grade and install permanent seeding and plantings.
21. Submit notice of termination for permit termination.
22. Remove all temporary erosion and sediment control devices (only if site is stabilized and notice of termination has been filed).



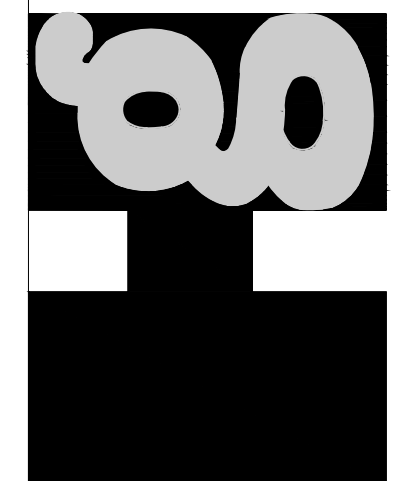
#1 Top of Sanitary Manhole lid at east side of site.
N: 1008791.5340
E: 2829029.6350
TOP ELEV.=979.19

DATE	REVISION	NO.	BY	CHK/APP

THIS IS NOT A BILL OF SALE AND THE SIGNATURE OF THE SELLER MAY BE COPIED AND MAY CONTAIN UNAUTHORIZED INFORMATION. THE SIGNATURE OF THE SELLER MAY BE COPIED AND MAY CONTAIN UNAUTHORIZED INFORMATION. THE SIGNATURE OF THE SELLER MAY BE COPIED AND MAY CONTAIN UNAUTHORIZED INFORMATION.

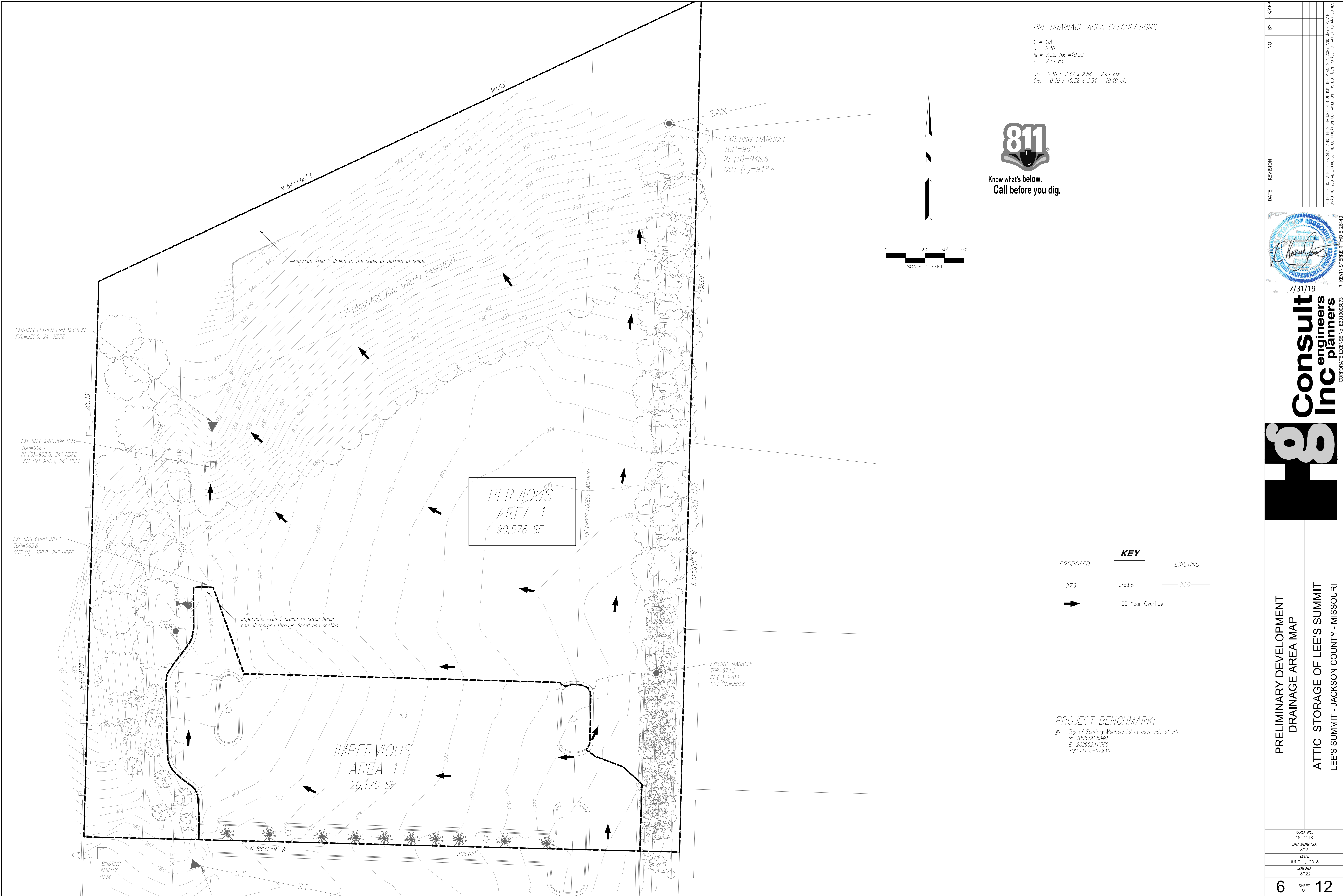


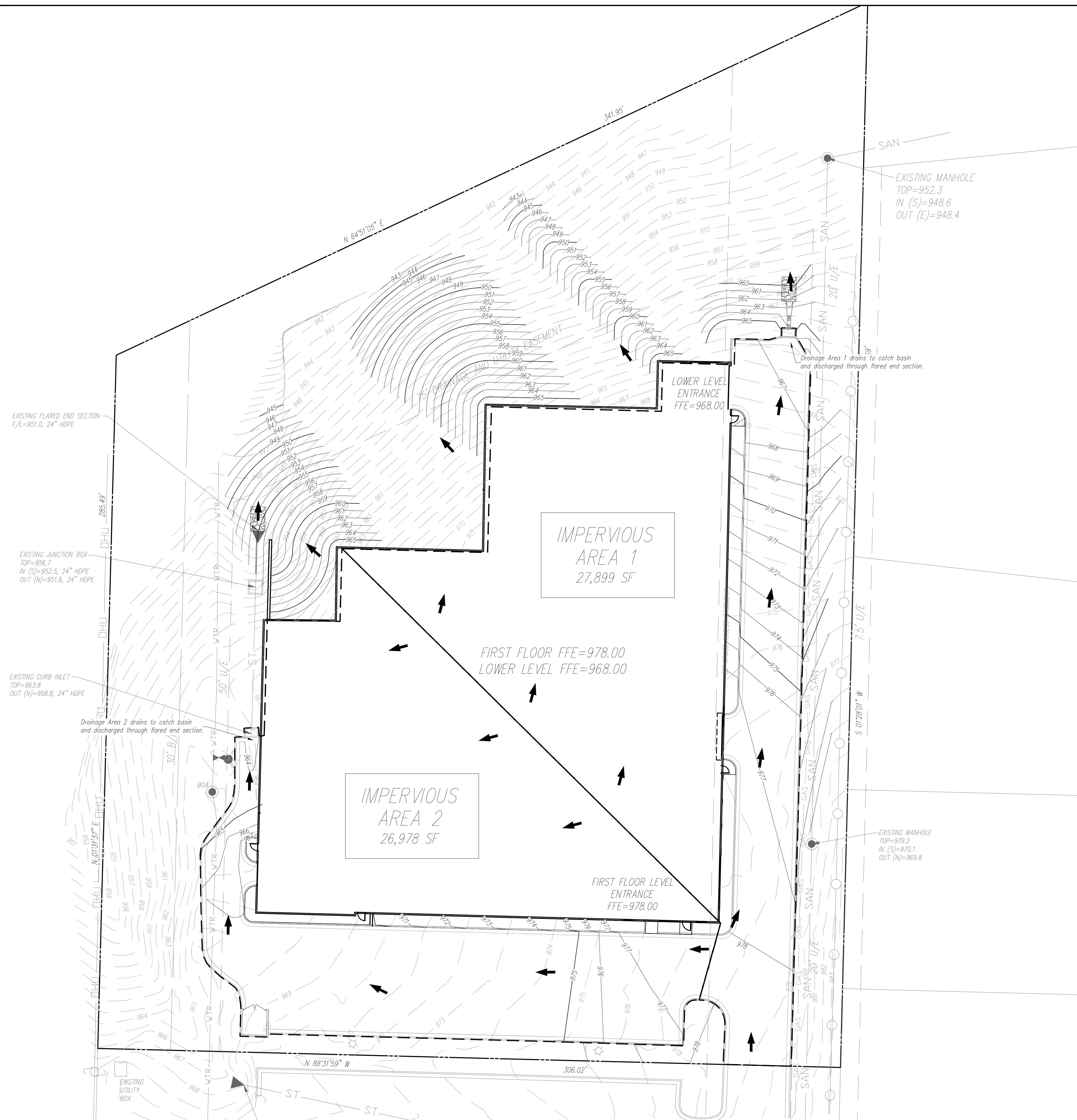
Consult Inc
engineers
planners
CORPORATE LICENSE NO. F2010005873



ATTIC STORAGE OF LEE'S SUMMIT
LEE'S SUMMIT - JACKSON COUNTY - MISSOURI

<i>X-REF NO.</i> 18-111B
<i>DRAWING NO.</i> 18022
<i>DATE</i> JUNE 1, 2018
<i>JOB NO.</i> 18022

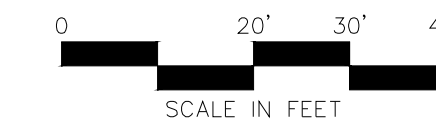




POST DRAINAGE AREA CALCULATIONS:

$$\begin{aligned} Q &= CIA \\ C &= 0.59 \\ I_{10} &= 7.32, I_{100} = 10.32 \\ A &= 2.54 \text{ ac} \end{aligned}$$
$$Q_{10} = 0.59 \times 7.32 \times 2.54 = 10.97 \text{ cfs}$$
$$Q_{100} = 0.59 \times 10.32 \times 2.54 = 15.47 \text{ cfs}$$


Know what's below.
Call before you dig.



EXISTING MANHOLE
TOP=952.3
IN (S)=948.6
OUT (E)=948.4

Drainage Area 1 drains to catch basin
and discharged through flared end section

IMPERVIOUS
AREA 1
27,899 SF

FIRST FLOOR FFE=978.00
LOWER LEVEL FFE=968.00

IMPERVIOUS
AREA 2
26,978 SF

FIRST FLOOR LEVEL
ENTRANCE
FFE=978.00

—EXISTING MANHOLE
TOP=979.2
IN (S)=970.1
OUT (N)=969.8

PROPOSED		EXISTING
979	Grades	960
100 Year Overflow		

***All storm sewer piping is designed to carry the 100 year storm event. Storm events that are not carried by storm sewer piping is routed overland in parking lot.*

PROJECT BENCHMARK:

#1 Top of Sanitary Manhole lid at east side of site.
N: 1008791.5340
E: 2829029.6350
TOP ELEV.=979.19

DATE	REVISION	NO.	BY	CHARGE

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3/31/19

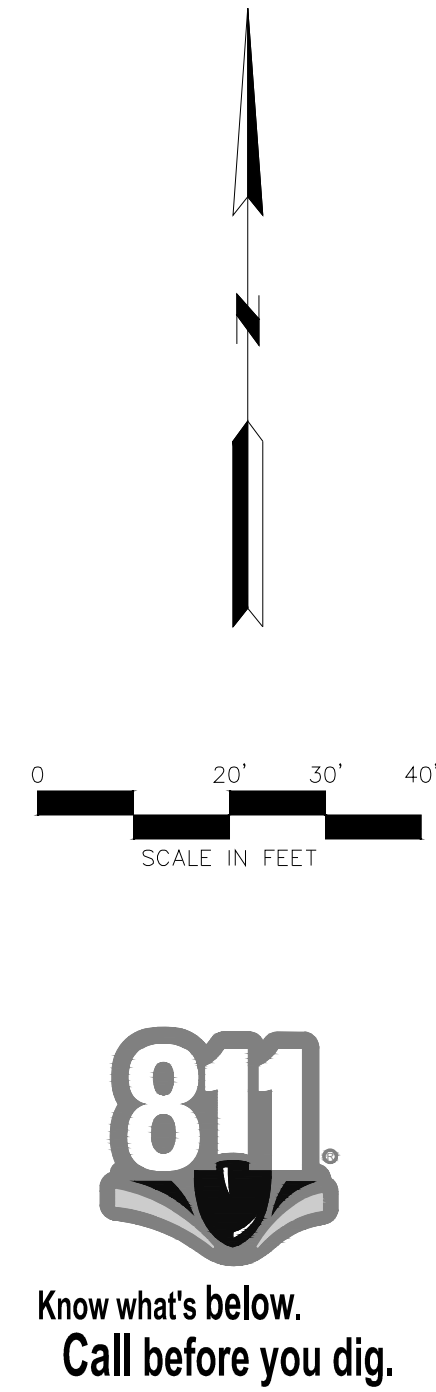
**Consult
Inc** engineers
planners

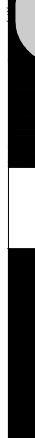
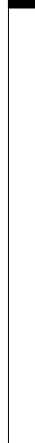
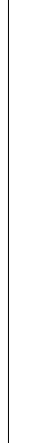
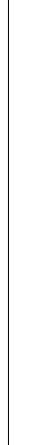
CORPORATE LICENSE NO. E2010005873

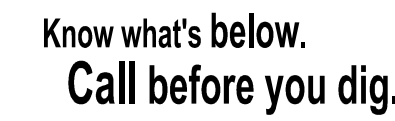
POST DEVELOPMENT
DRAINAGE AREA MAP

ATTIC STORAGE OF LEE'S SUMMIT
LEE'S SUMMIT - JACKSON COUNTY - MISSOURI

<i>X-REF NO.</i> 18-111B
<i>DRAWING NO.</i> 18022
<i>DATE</i> JUNE 1, 2018
<i>JOB NO.</i> 18022



- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 8 | SHEET OF | 12 | <p>UTILITY PLAN</p> <p>ATTIC STORAGE OF LEE'S SUMMIT</p> <p>LEE'S SUMMIT - JACKSON COUNTY - MISSOURI</p> |   |  |  |  |  |  | |
|---|----------|----|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|



1. Open areas not covered with other landscaping materials shall be covered with sod.
2. All trees/shrubs are shown graphically, not numerically.
3. A 3 foot tall berm may be substituted for screening shrubs.
4. Trees shall be located a minimum distance of 10' from the sanitary and water lines as measured from the outside of the mature tree trunk to the outside of the pipe.
5. The trees and shrubs shown are for graphical purposes and does not represent the actual count required per the worksheet.
6. Evergreen shrubs used to screen mechanical equipment shall be equal height as the mechanical units at the time of planting. All Landscaping to meet Article 8 of the UDO.
7. Contractor to maintain all existing trees as possible for landscape buffer.

TOTAL	1208
-------	------

A - Size of development site	= 110,740 SF
B - Length of street frontage of development site	= 286 LF
C - Trees required on street frontage = 1/30 LF	= 10 Trees
D - Trees provided	= 32 Existing Trees + 14 White Dogwood
E - Parking lot area	= 16,328 SF
F - Green space required in parking lot (E x 5%)	= 816 SF
G - Green space provided	= 1,208 SF
H - Shrubs required along frontage = 1/20 LF=306.2/20 Shrubs required along frontage (Parking lot screen) 171 LF of 12/40 LF	= 16 Shrubs = 52 Shrubs
I - Shrubs Provided	
Shrubs Provided (Parking lot screen)	= 52 Shrubs
Shrubs Provided (Total frontage)	= 69 Shrubs
J - Quantity of additional trees required 1 tree per 5000 SF of open area (76,559/5,000)	= 16 Trees
K - Existing Additional Trees Provided	= 92 Trees
L - Quantity of additional shrubs required 2 shrubs per 5000 SF of open area (76,559/5,000)	= 31 Shrubs
M - Additional Shrubs Provided	= 31 Shrubs

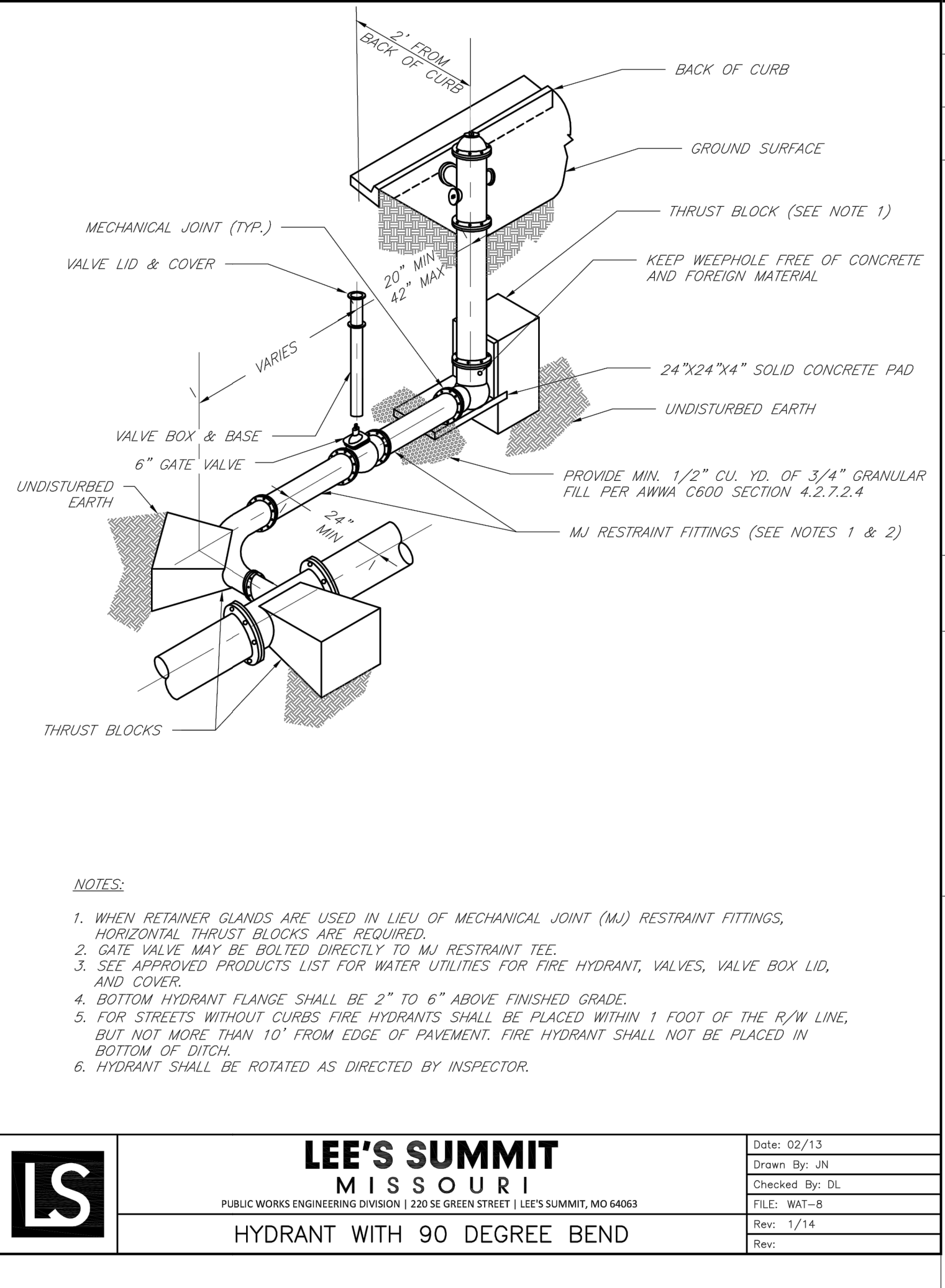
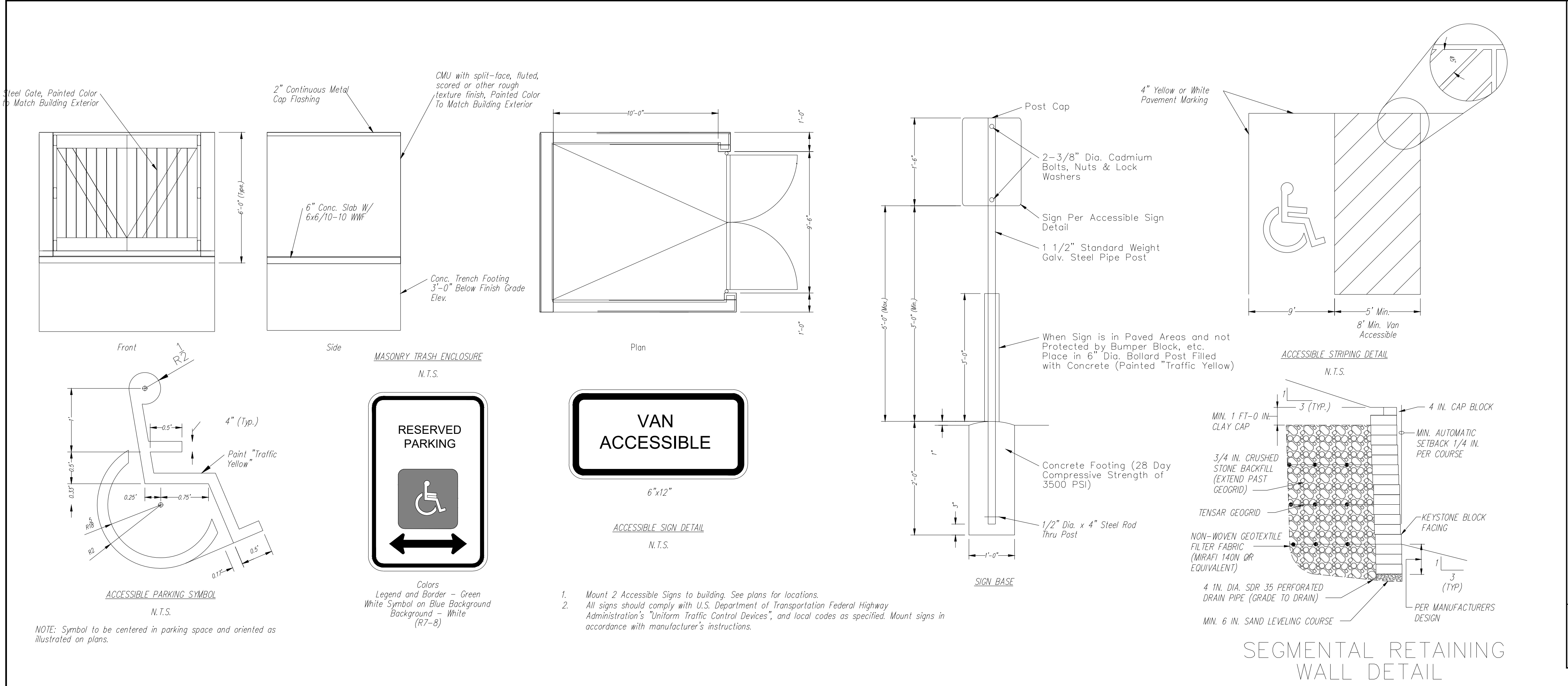
White Dogwood <i>Cornus florida</i>	3" Caliper at time of planting	110
--	--------------------------------	-----

ATTIC STORAGE OF LEE'S SUMMIT
LEE'S SUMMIT - JACKSON COUNTY - MISSOURI

7/31/19

**Consult
Inc** engineers
planners
CORPORATE LICENSE NO. E2010005873

R. KEVIN STERRETT, MO E-26440



FLEXSTORM PURE FILTERS FOR PERMANENT INLET PROTECTION
PRODUCT SELECTION AND SPECIFICATION DRAWING

FLEXSTORM PURE INLET FILTERS FOR ROUND OPENINGS

FLEXSTORM PURE WALL MOUNT INLET FILTERS FOR OPEN THROAT GUTTERS

FLEXSTORM PURE INLET FILTERS FOR RECTANGULAR OPENINGS WITH GRATES

FLEXSTORM PURE INLET FILTERS FOR RECTANGULAR OPENINGS WITH GRATES

For Round Openings with Grates		Minimum Bypass Flow Rates (CF3)* Based on Nominal Frame Size with minimum 2" Bypass flow gap	
Drop Thru Opening Size Dia	Flexstorm Frame P/N		
Small: 10.0" - 18.0"	62SHDR		1.6
Medium: 18.1" - 24.0"	62MHR		2.7
Large: 24.1" - 36.0"	62LHR		3.8

For Open Throat Curb Inlets - Mounted to Wall Beneath Curb Opening		Minimum Bypass Flow Rates (CF3)* Based on Nominal Frame Size with minimum 2" Bypass flow gap	
Curb Opening Size	Flexstorm Frame P/N		
Up to 4" curb openings (1 Filter)	62HDM1		1.6
Between 4" and 8" curb openings (2 Filters)	62HDM2		2.7
Between 8" and 12" curb openings (3 Filters)	62HDM3		3.8
Between 12" and 16" curb openings (4 Filters)	62HDM4		

For Rectangular/Square Openings with Grates		Minimum Bypass Flow Rates (CF3)* Based on Nominal Frame Size with minimum 2" Bypass flow gap	
Clear Drop Thru Opening Size (not grate or seat also)	Flexstorm Frame P/N	Combination P/N	
Small: 12" x 12" up to 16" x 16" (or 64" max perimeter)	62SHD	62SHDCB	2.4
Medium: 18" x 18" up to 24" x 24" (or 96" max perimeter)	62MHD	62MHDCB	3.5
Large: 26" x 26" up to 30" x 30" (or 180" max perimeter)	62LHD	62LHDCB	5.0
XL: 32" x 32" up to 48" x 48" (or 192" max perimeter) (typ 2 pc set)	62XLHD	62XLHDCB	7.2

CREATE YOUR ADS FLEXSTORM PART NUMBER BY COMBINING FRAME P/N AND BAG P/N

FLEXSTORM FILTER BAGS		(22" depth) STD Bag P/N	(12" depth) Short Bag P/N	Clean Water Flow Rate (GPM/SqFt)	Min A.O.S. (US Sieve)
FX: Standard Woven Bag	FX	FX-S	FX-S	200	40
FX+: Woven w/ MyCelx	FXP	FXP-S	FXP-S	200	40
FXO: Woven w/ Oil Boom	FXO	FXO-S	FXO-S	200	40
PC: Post Construction Bag	PC	PC-S	PC-S	137	140
PC+: PC Bag w/ MyCelx	PCP	PCP-S	PCP-S	137	140
LL: Litter and Leaf Bag	LL	LL-S	LL-S	High	3.5
IL: IDOT Non-Woven Bag	IL	IL-S	IL-S	145	70

3. CREATE YOUR FLEXSTORM INLET FILTER PART NUMBER

Frame P/N from Step 1.	Filter Bag P/N from Step 2.

NOTES:

- ALL FRAMING IS CONSTRUCTED OF 304 STAINLESS STEEL FOR 25 YEAR SERVICE LIFE RATING
- TOTAL BYPASS CAPACITY: BYPASS CAPACITY WILL VARY WITH EACH SIZE DRAINAGE STRUCTURE. FLEXSTORM DESIGNS FRAMING BYPASS TO MEET OR EXCEED THE DESIGN FLOW OF THE PARTICULAR DRAINAGE STRUCTURE.
- UPON ORDERING CONFIRMATION OF THE DOT CALLOUT, PRECAST OR CASTING MAKE AND MODEL, OR DETAILED DIMENSIONAL FORMS MUST BE PROVIDED TO CONFIGURE AND ASSEMBLE YOUR CUSTOMIZED FLEXSTORM INLET FILTER. PART NUMBER ALONE IS NOT SUFFICIENT.
- FOR WRITTEN SPECIFICATIONS AND MAINTENANCE GUIDELINES VISIT WWW.INLETFILTERS.COM

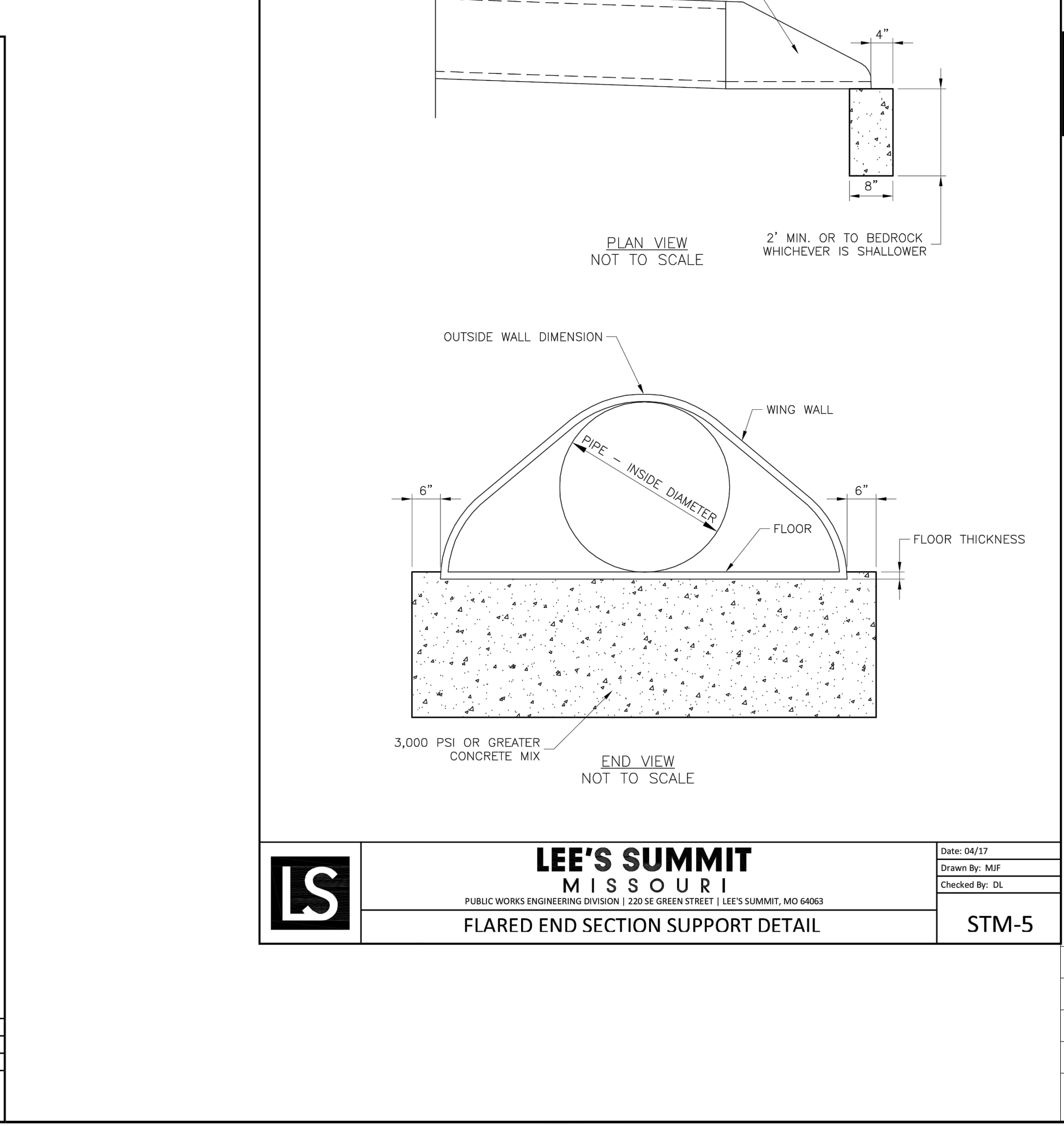
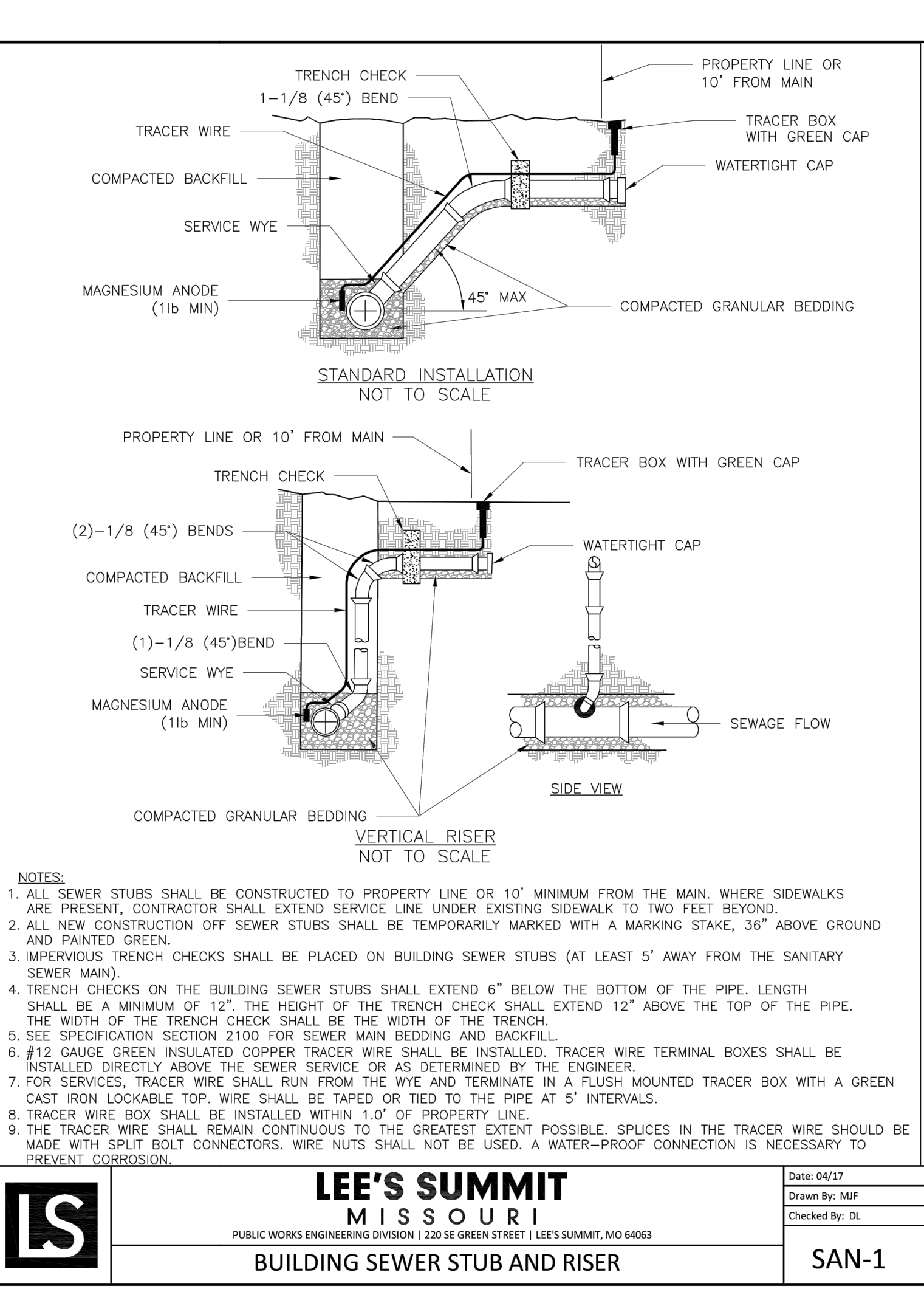
INSTALLATION:

- REMOVE GRATE
- DROP FLEXSTORM INLET FILTER ONTO LOAD BEARING LIP OF CASTING OR CONCRETE STRUCTURE
- REPLACE GRATE

ALL PRODUCTS MANUFACTURED BY INLET & PIPE PROTECTION, INC. A DIVISION OF ADS, INC. WWW.INLETFILTERS.COM (866) 287-8655 PH (630) 355-3477 FX INFO@INLETFILTERS.COM

SIZE	DWG NO	REV
C	FLEXSTORM_PURE	A

SCALE: SHEET 1 OF 1



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18

SITE DETAIL SHEET

ATTIC STORAGE OF LEE'S SUMMIT
LEE'S SUMMIT - JACKSON COUNTY - MISSOURI

NO.	BY	REVISION	DATE

LEE'S SUMMIT
MISSOURI
PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

FLARED END SECTION SUPPORT DETAIL

Date: 04/17
Drawn By: MIF
Checked By: DL
Rev: STM-5

X-REF NO
18-1119

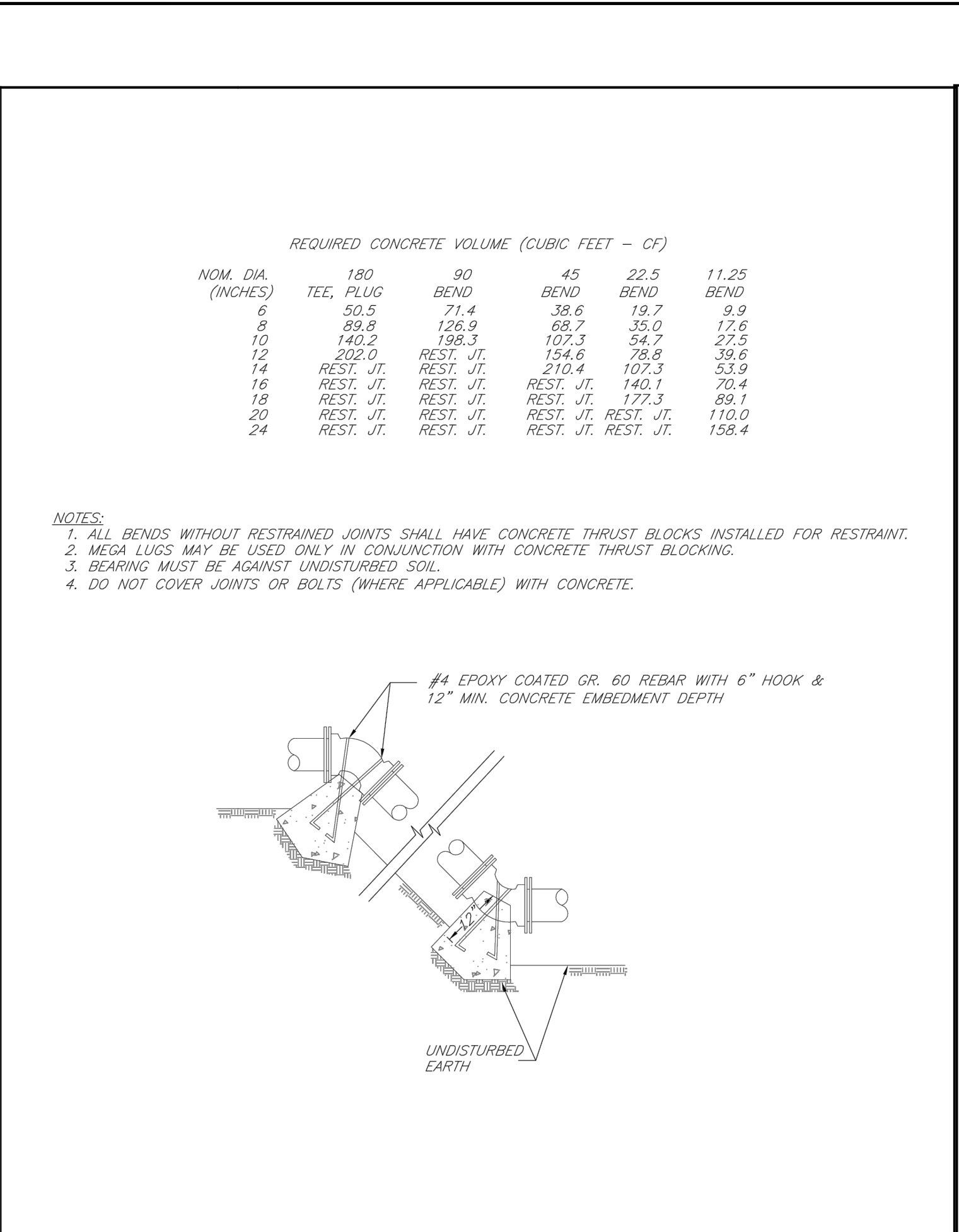
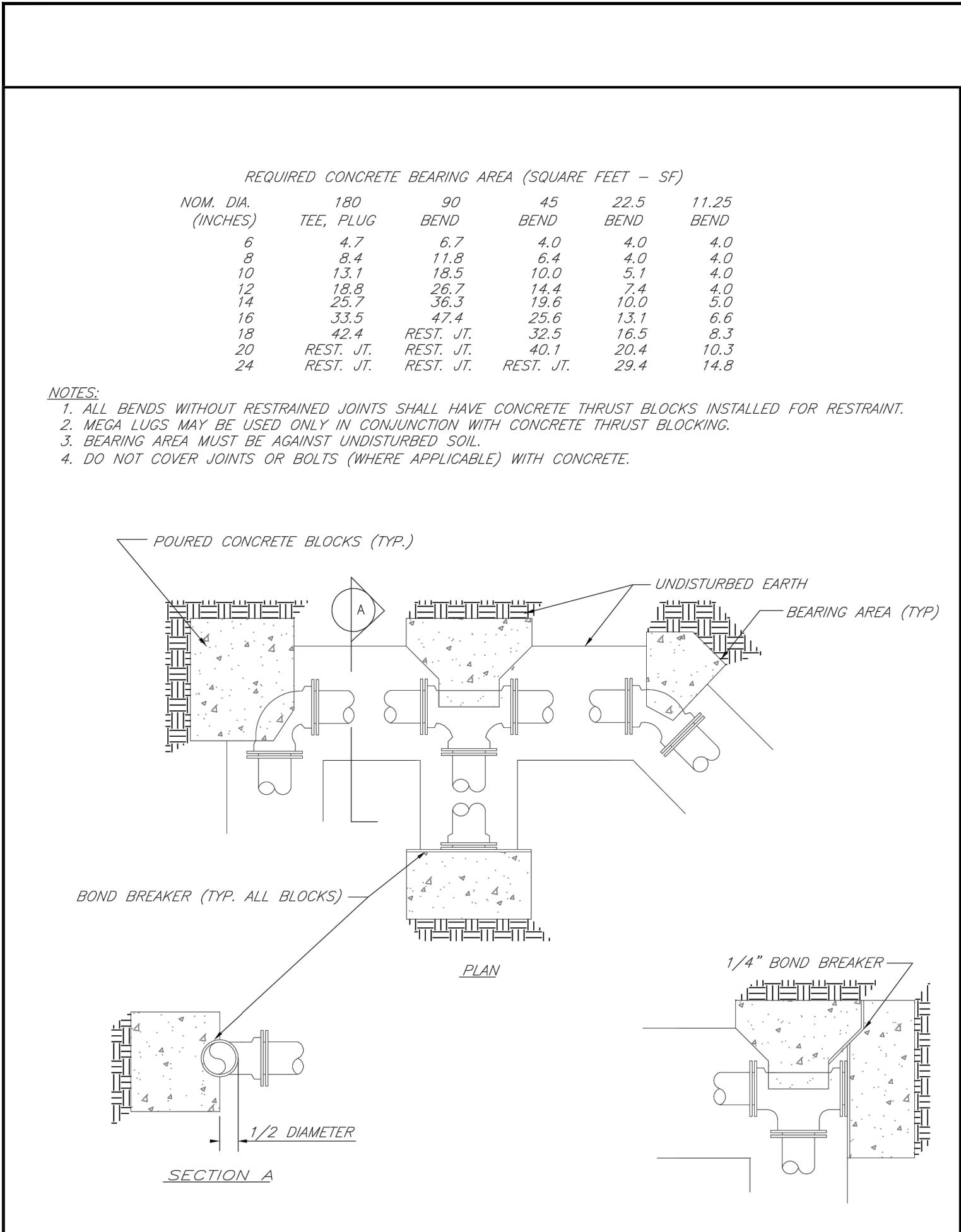
DRAWING NO
18022

DATE
JUNE 1, 2018

JOB NO
18022

10 SHEET **12**

R. KEVIN STERNETT, NO E-26440
CORPORATE LICENSE NO. E2010005873



LS

LEE'S SUMMIT
MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

HORIZONTAL THRUST BLOCKS

Date: 02/13
Drawn By: JN
Checked By: DL
FILE: WAT-1
Rev: 1/14

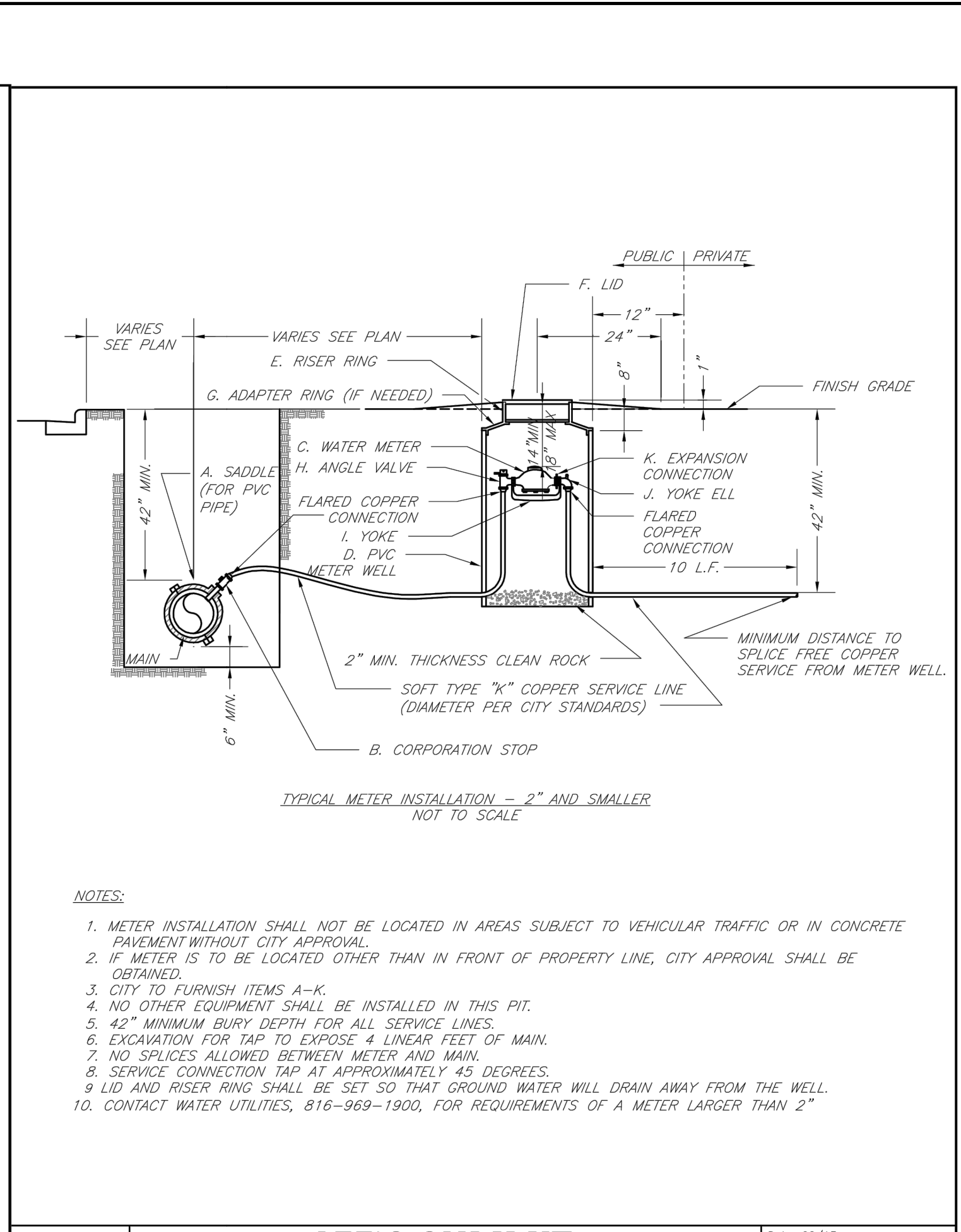
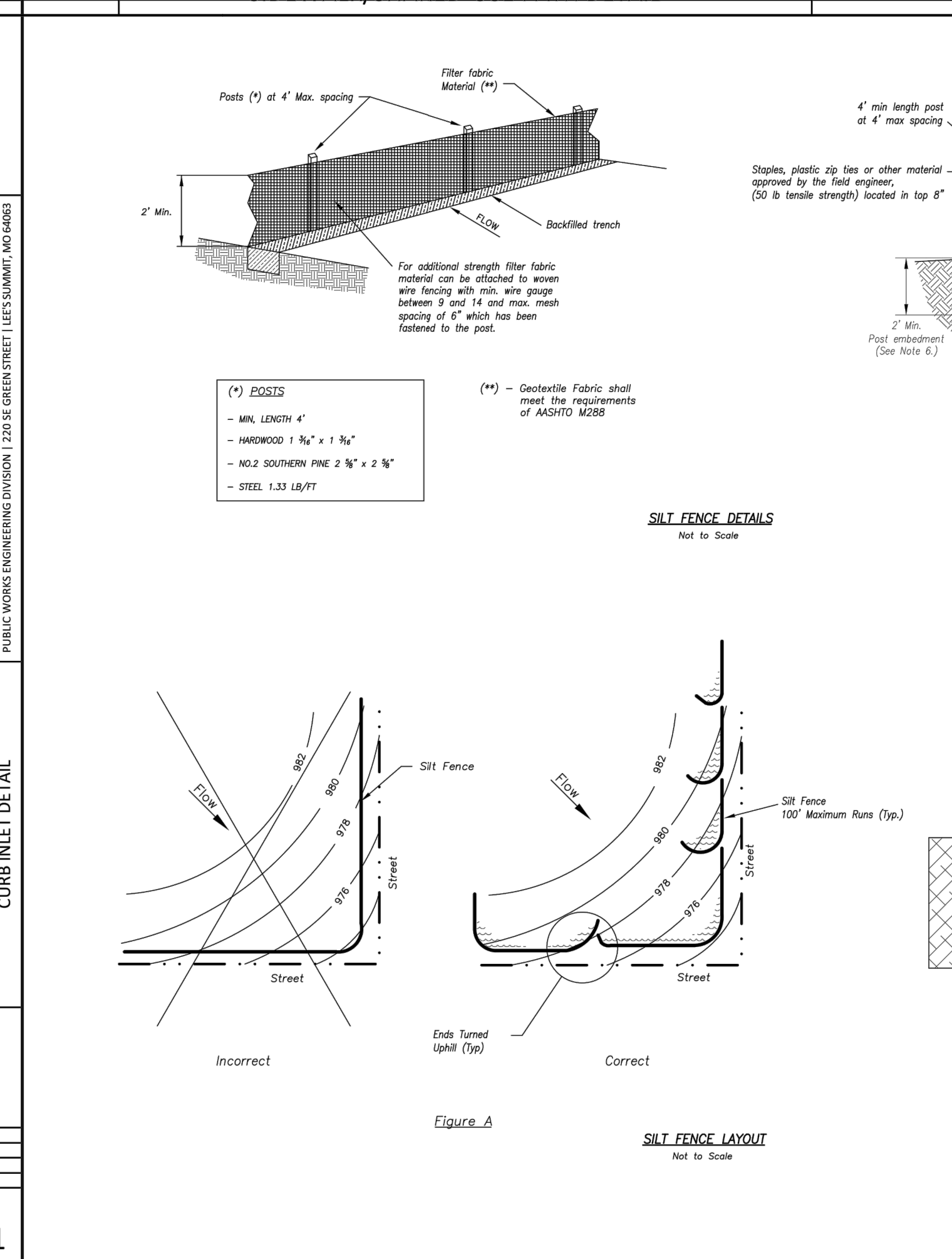
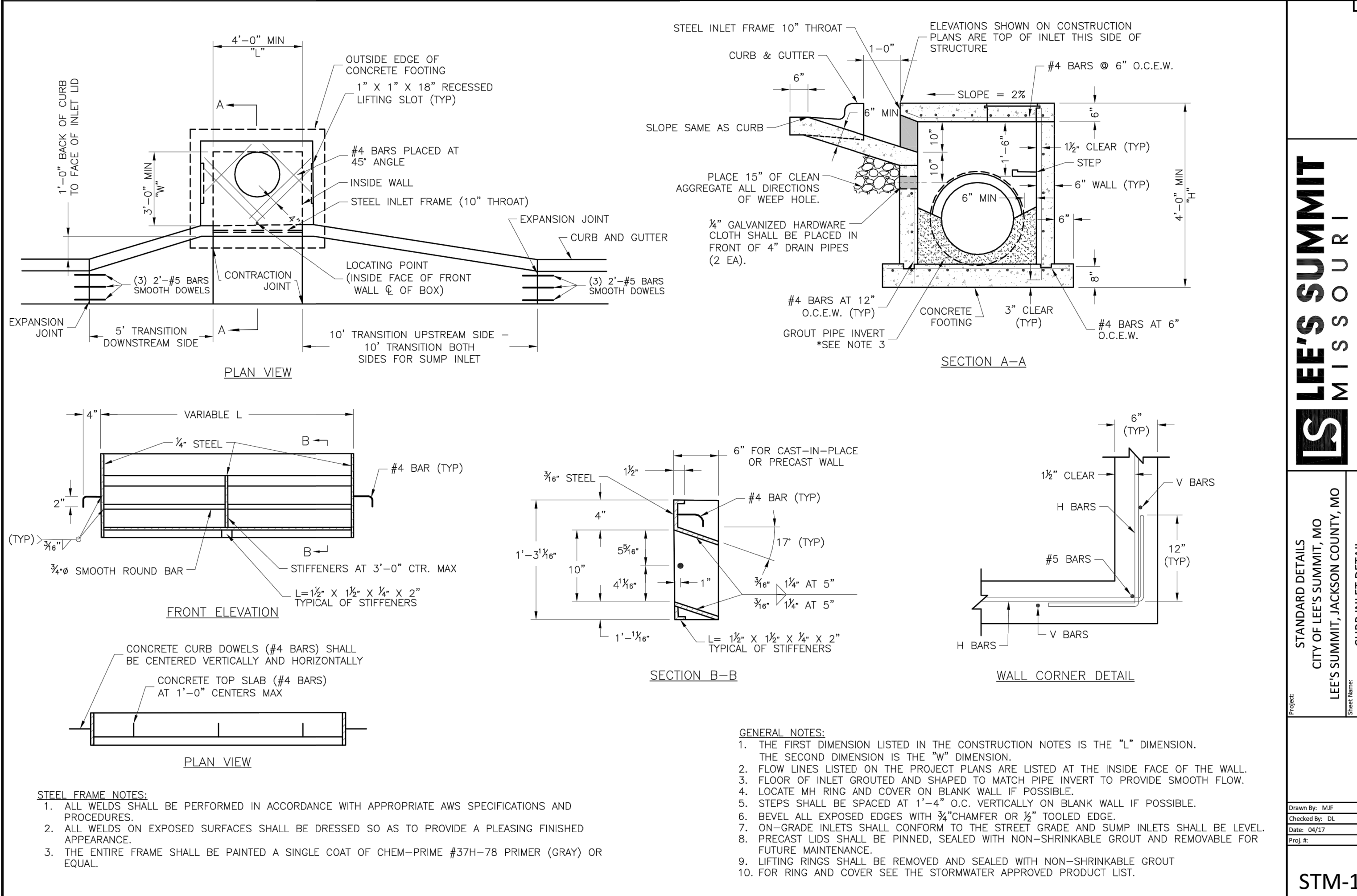
LS

LEE'S SUMMIT
MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

VERTICAL THRUST BLOCKS

Date: 02/13
Drawn By: JN
Checked By: DL
FILE: WAT-2
Rev: 1/14



LS

LEE'S SUMMIT
MISSOURI

PUBLIC WORKS ENGINEERING DIVISION | 220 SE GREEN STREET | LEE'S SUMMIT, MO 64063

SERVICE CONNECTION/METER WELL

Date: 02/13
Drawn By: JN
Checked By: DL
FILE: WAT-11
Rev: 1/14

AMERICAN PUBLIC WORKS ASSOCIATION

APWA

AMERICAN PUBLIC WORKS ASSOCIATION

KANSAS CITY
METRO CHAPTER

STANDARD DRAWING
NUMBER ESC-03
ADOPTED:
10/24/2016

SILT FENCE

X-REF NO.
18-1119
DRAWING NO.
18022
DATE
JUNE 1, 2018
JOB NO.
18022

11
SHEET
OF
12

Consult
Inc
engineers
planners

18

SITE DETAIL SHEET

ATTIC STORAGE OF LEE'S SUMMIT
LEE'S SUMMIT - JACKSON COUNTY - MISSOURI

NO.

BY

REVISION

DATE

IF THIS IS NOT A BLUE INK SEAL AND THE SIGNATURE IN BLUE INK, THE PLAN IS A COPY AND MAY CONTAIN UNAUTHORIZED ALTERATIONS. THE CERTIFICATION CONTAINED ON THIS DOCUMENT SHALL NOT APPLY TO ANY COPIES.

R. KEVIN STERNETT, NO. E-26440
CORPORATE LICENSE NO. E2010005873

STRAIGHT CURE
(TYPE C-1)

DOWELLED CURB
(TYPE DC)

CURB & GUTTER DETAIL AT RAMP
(ADA SLOPE REQUIREMENTS)

STRAIGHT BACK CU
GUTTER
(TYPE CG-1)

ROLL BACK CURB &
GUTTER
(TYPE CG-2)

CURB REPLACEMENT DETAIL

GENERAL NOTES

1. 3/4" ISOLATION JOINTS WITH 3 (2"-#5 BAR) SMOOTH DOWELS SHALL BE PLACED AT RADIUS POINTS AND AT 150' INTERVALS. THESE DOWEL BARS SHALL BE GREASED AND WRAPPED ON ONE END WITH EXPANSION TUBES.
2. 3" DEEP CONTRACTION JOINTS SHALL BE INSTALLED AT APPROXIMATELY 10' INTERVALS. THESE JOINTS SHALL PASS ACROSS THE ENTIRE CURB SECTION.
3. CONCRETE FILL SHALL HAVE UNIFORM AND SMOOTH FINISH
4. KCMBB 4K CONCRETE SHALL BE USED FOR ALL CURB.
5. ASPHALTIC CONCRETE SURFACE COURSE SHALL CONFORM TO STANDARD SPECIFICATIONS SECTION 2205.2.
6. CURBS FOR NEW STREETS SHALL BE BUILT ON ASPHALT OR AGGREGATE BASE AS SHOWN IN TYPICAL SECTION DETAIL.
7. WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.

Plan View
Not to Scale

Side Elevation
Not to Scale

Section A-A

Notes for Construction Entrance:

1. Avoid locating on steep slopes, at curves on public roads, or down drainage of disturbed area.
2. Remove all vegetation and other unsuitable material from the foundation area, grade, and crown for positive drainage.
3. If slope towards the public road exceeds 2%, construct a 6- to 8-inch high ridge with 3x1/4 size side slopes across the foundation approximately 15 feet from the edge of the public road to divert runoff from it.
4. Install pipe under the entrance if needed to maintain drainage ditches along public roads.
5. Place stone to dimensions and grade as shown on plans. Leave surface sloped for drainage.
6. Divert all surface runoff and drainage from the entrance to a sediment control device.
7. If conditions warrant, place geotextile fabric on the graded foundation to improve stability.

Maintenance for Construction Entrance:

1. Reshape entrance as needed to maintain function and integrity of Installation. Top dress with clean aggregate as needed.

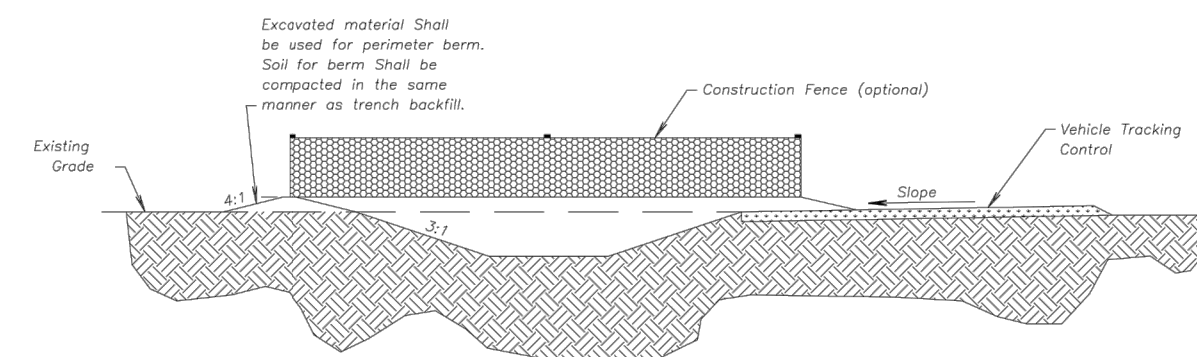
CONSTRUCTION ENTRANCE

Notes for Concrete Washout:

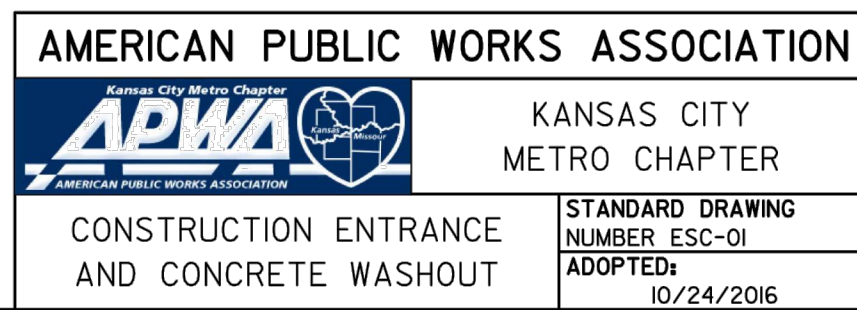
1. Concrete washout areas shall be installed prior to any concrete placement on site.
2. Concrete washout area shall include a flat subsurface pit sized relative to the amount of concrete to be placed on site. The slopes leading to the subsurface pit shall be 3:1. The vehicle tracking pad shall be sloped towards the concrete washout area.
3. Vehicle tracking control is required at the access point to all concrete washout areas.
4. Signs shall be placed at the construction site entrance, washout area and elsewhere as necessary to clearly indicate the location(s) of the concrete washout area(s) to operators of concrete truck and pump rigs.
5. A one-piece impermeable liner may be required along the bottom and sides of the subsurface pit in sandy or gravelly soils.

Maintenance for Concrete Washout:

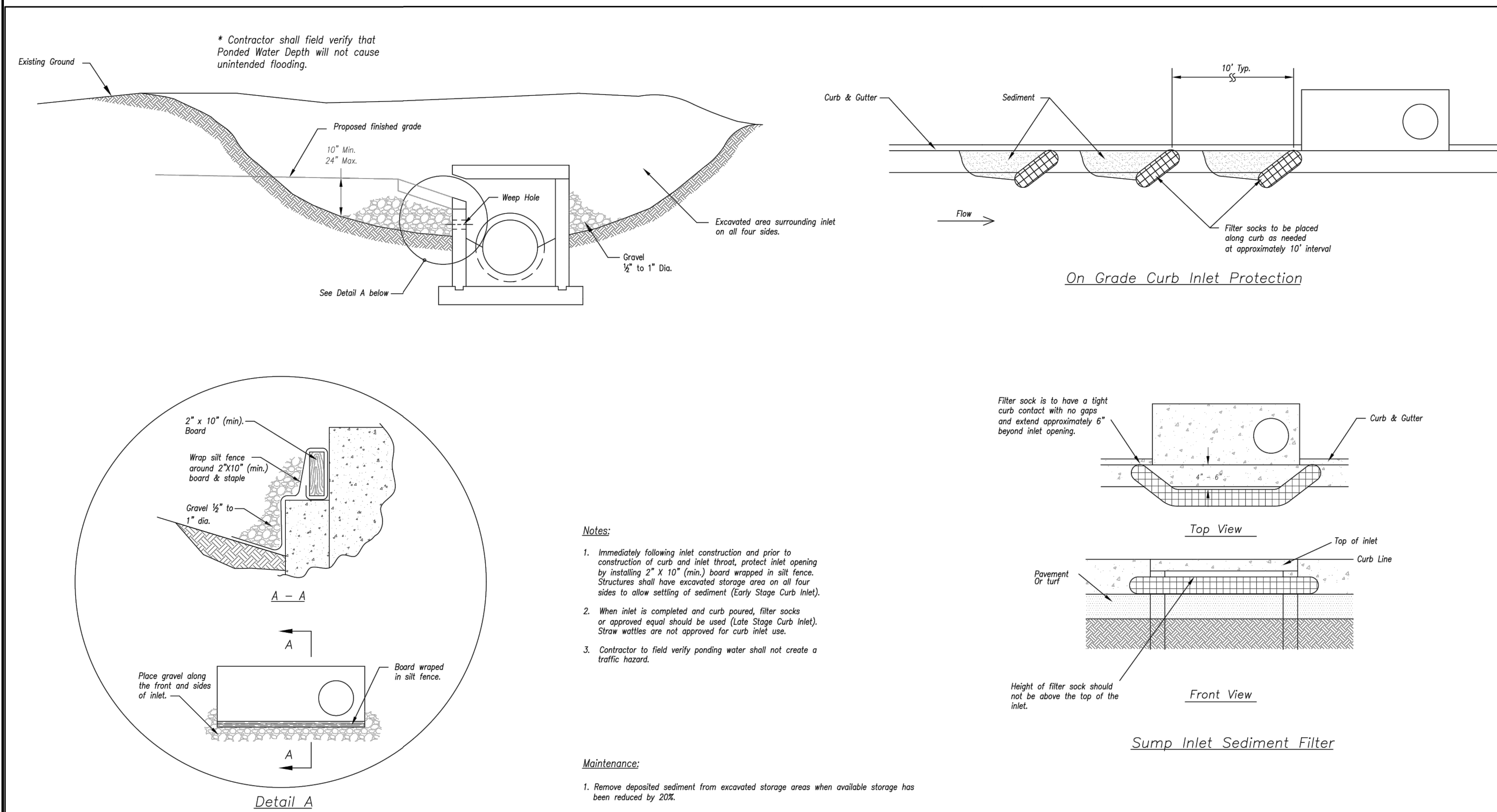
1. Concrete washout materials shall be removed once the materials have filled the washout to approximately 75% full.
2. Concrete washout areas shall be enlarged as necessary to maintain capacity for wasted concrete.
3. Concrete washout water, wasted pieces of concrete and all other debris in the subsurface pit shall be transported from the job site in a water-tight container and disposed of properly.
4. Concrete washout areas shall remain in place until all concrete for the project is placed.
5. When concrete washout areas are removed, excavations shall be filled with suitable compacted backfill and topped, any disturbed areas graded as shall be installation, maintenance, and/or removal of the concrete washout areas shall be stabilized.



CONCRETE WASHOUT

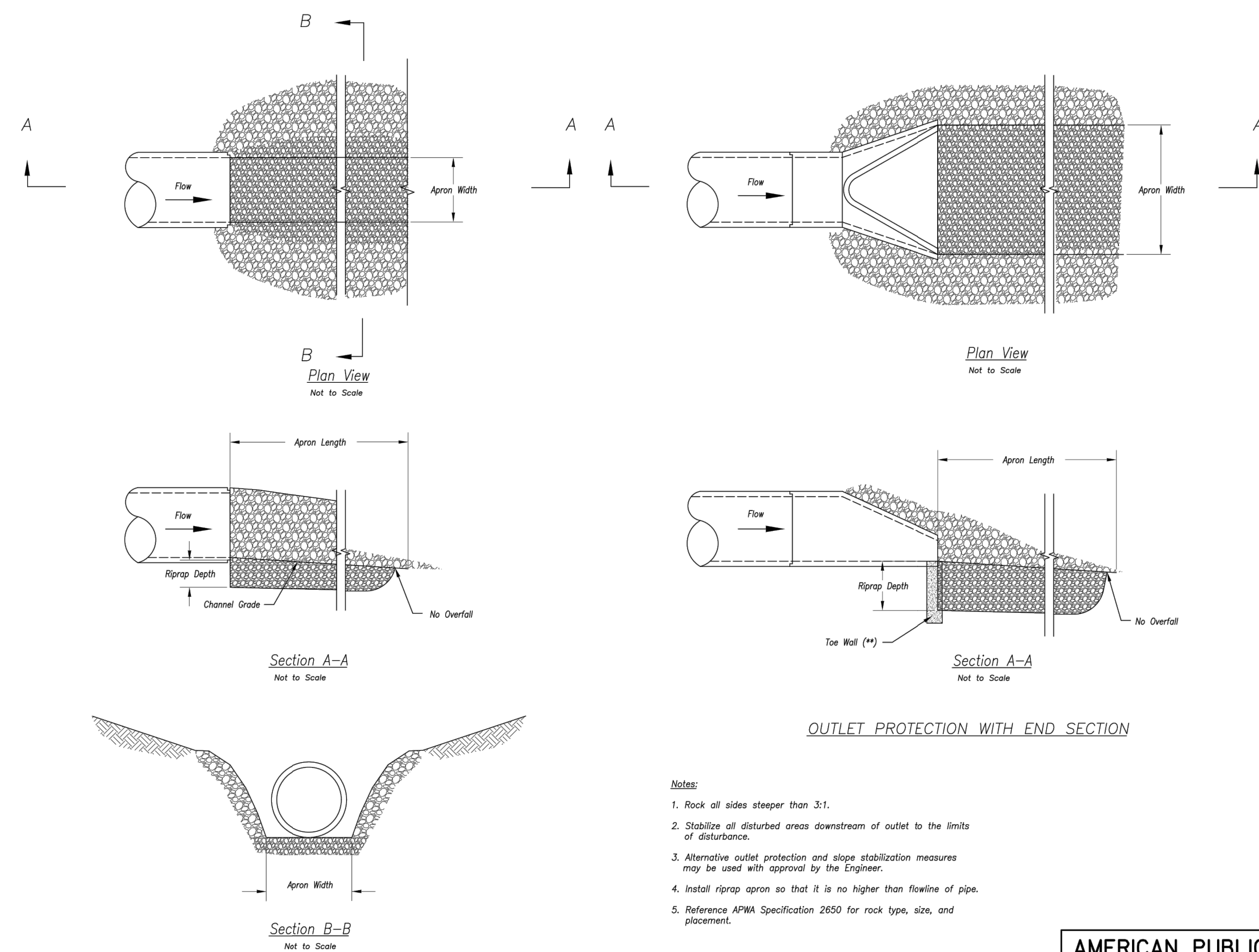


Construction Entrance modified from 2015 Overland Park Standard Details for Erosion and Sediment Control; Concrete Washout modified from 2009 City of Great Bend Standard Drawings.



Sump Inlet Sediment Filter

LATE STAGE CURB INLET
(After Pouring Curb and Inlet Throat)



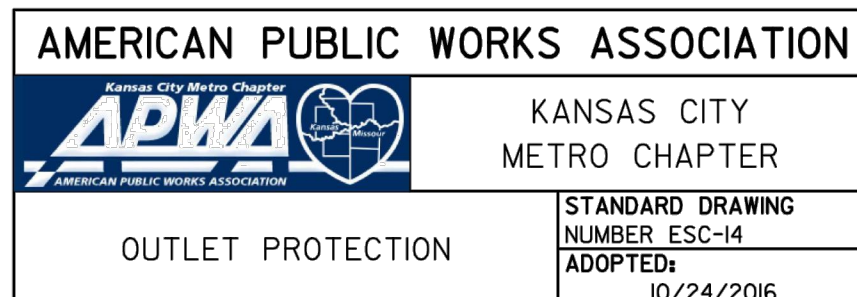
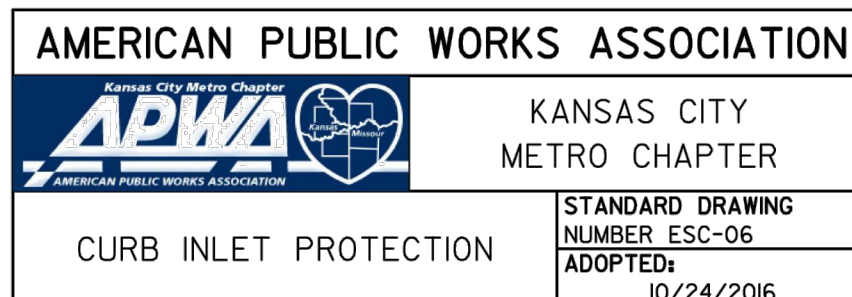
OUTLET PROTECTION WITH END SECTION

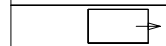
OUTLET PROTECTION W/O END SECTION

Notes:

1. Rock all sides steeper than 3:1.
2. Stabilize all disturbed areas downstream of outlet to the limits of disturbance.
3. Alternative outlet protection and slope stabilization measures may be used with approval by the Engineer.
4. Install riprap apron so that it is no higher than flowline of pipe.
5. Reference APWA Specification 2650 for rock type, size, and placement.

Modified from 2015 Overland Park Standard Details
for Erosion and Sediment Control.

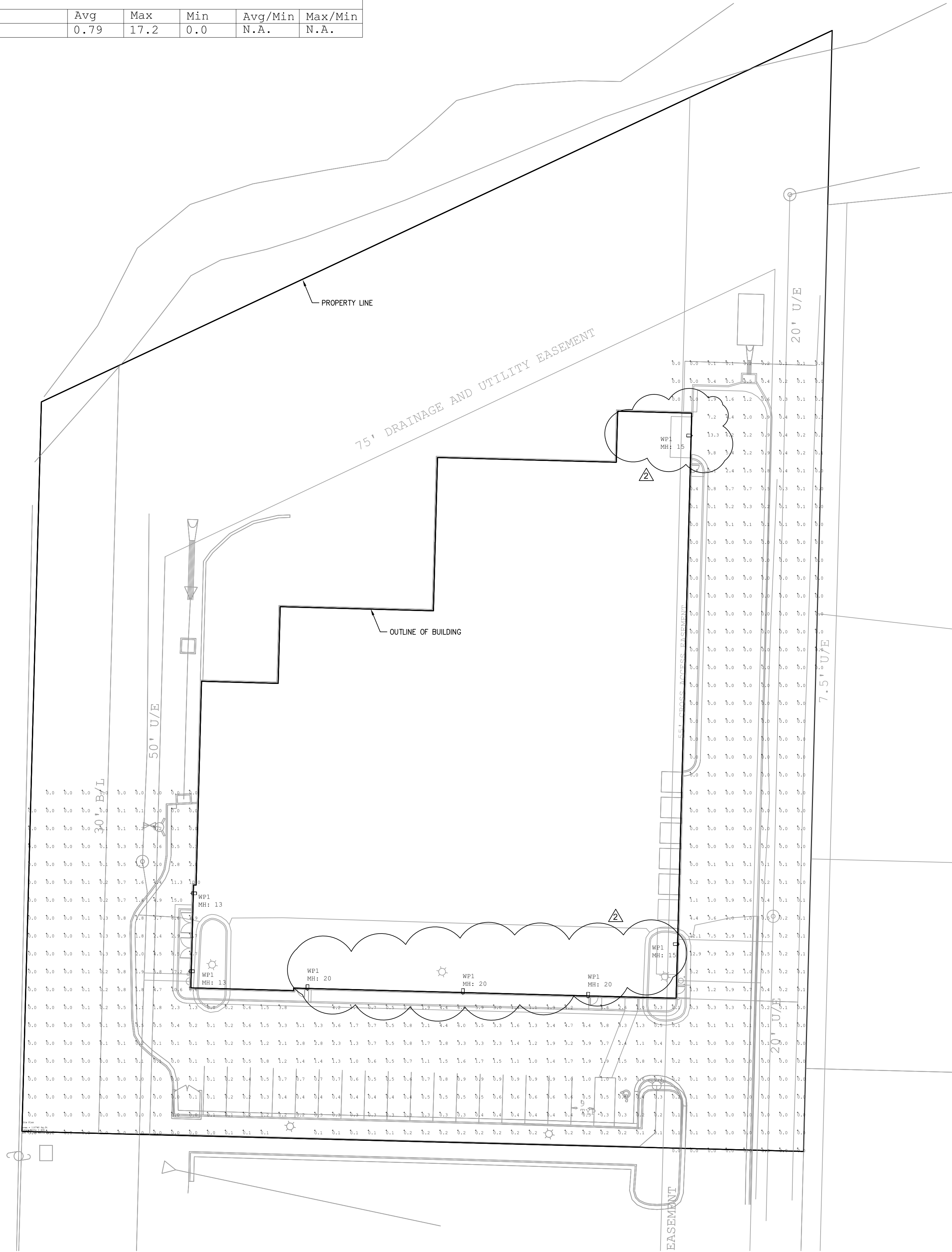


Luminaire Schedule							
Symbol	Qty	Label	Arrangement	LLF	Description	Lum. Watts	Arr. Watts
	7	WP1	SINGLE	0.910	XTOR6B-Y	58	58
Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Site Plan_1	Illuminance	Fc	0.79	17.2	0.0	N.A.	N.A.

LPD Area Summary			
Label	Area	Total Watts	LPD
Site Plan	110740	406	0.004

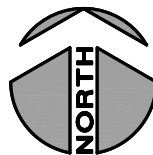


XTOR



SITE LIGHTING PLAN

SCALE : 1" = 25'-0"



ELECTRICAL SPECIFICATIONS

1. ALL CONDUCTORS SHALL BE THHN COPPER ABOVE GRADE, XHHW-2 BELOW GRADE, MINIMUM #12 OR LARGER AS REQUIRED OR SHOWN.
2. ALL SERVICE WIRING, EXPOSED TO WEATHER, OR WIRING BELOW GRADE, SHALL BE IN RIGID GALVANIZED CONDUIT OR SCH. 40 PVC.
3. THE ENTIRE SYSTEM SHALL BE ELECTRICALLY CONTINUOUS AND PROPERLY GROUNDED. EVERY FEEDER AND BRANCH CONDUIT SHALL HAVE CODE SIZED GREEN INSULATED GROUND CONDUCTOR.
4. FURNISH AND INSTALL ALL LIGHTING FIXTURES, LAMPS, FUSES, BREAKERS, ETC. TO COMPLETE THE BRANCH CIRCUITS INDICATED.
5. ALL 120V, 20A LIGHTING AND RECEPTACLE CIRCUITS REQUIRING MORE THAN 100' OF CONDUCTORS (ONE WAY) SHALL BE #10 CONDUCTORS, MINIMUM.



ENGINEER:



MO COA NO. 2012003568 / KS COA NO. E-2819
1901 NW BLUE PAVEMENT, UNITY VILLAGE MO19065
3rd FLOOR UNITY VILLAGE TOWER
phone: (816) 272-5289
email: jsmothers@jcsengineering.com

Site Lighting for:
ATTIC STORAGE OF LEE'S SUMMIT
920 NE DEERBROOK ST.
LEE'S SUMMIT, MISSOURI

DATE ISSUED:
08.01.19

REVISIONS:

- 07.01.19 OWNER REVISION
- 08.01.19 PLANCHHECK

PROJECT NUMBER
JSC 19-014

SITE
PHOTOMETRIC

ES1

SHEET NUMBER