FOOD AND FUEL EXPRESSO, STORE NO. 37

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI FINAL DEVELOPMENT PLAN CONVENIENCE STORE/GAS STATION

UTILITIES

816-969-1800

401 SE Bailey Road Lee's Summit, Mo. 6408 816-347-4320

Kansas City, MO 64106

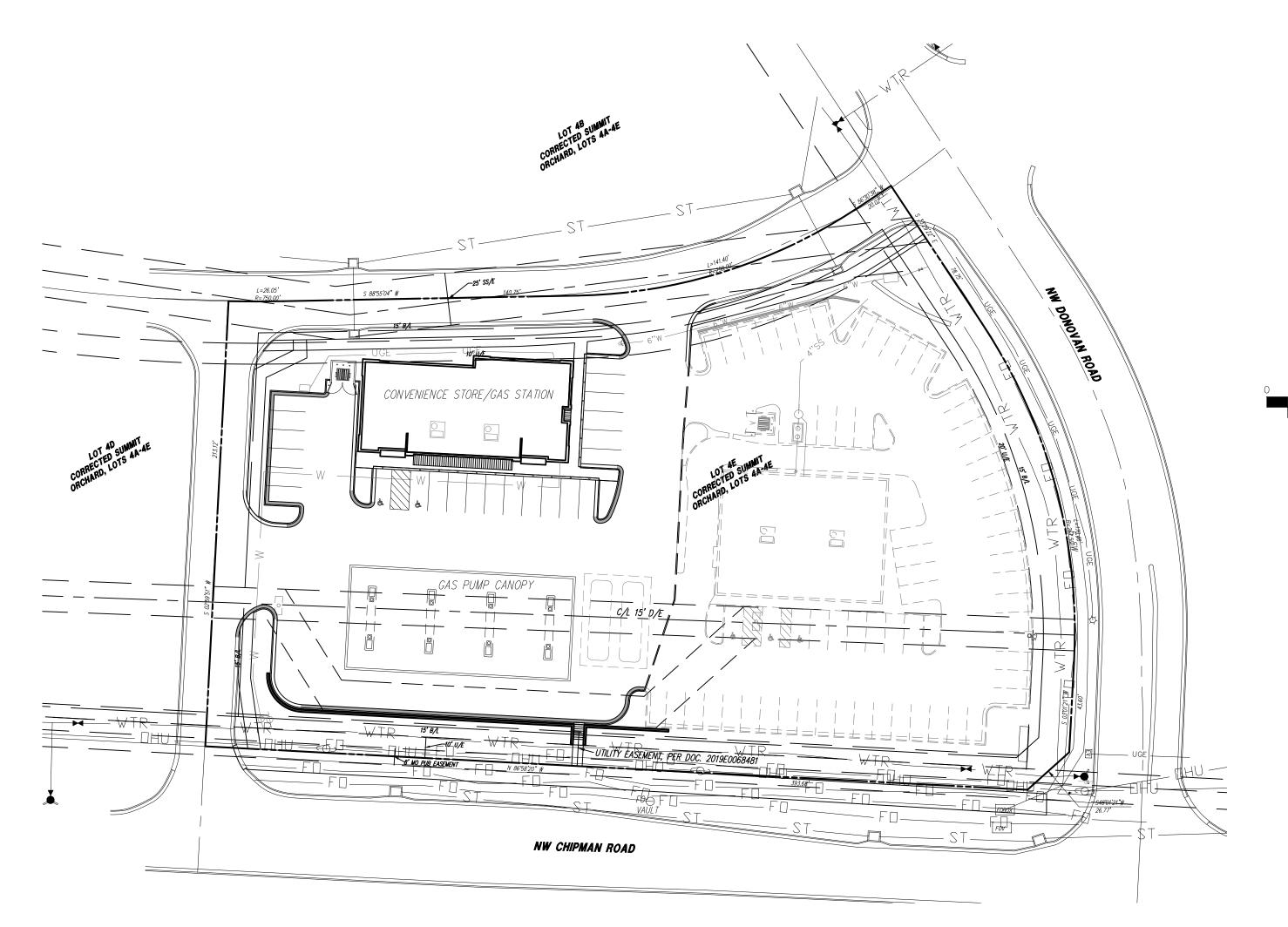
New Construction Hotline

Missouri One Call 1-800-344-7483

INDEX CIVIL SUBMITTAL

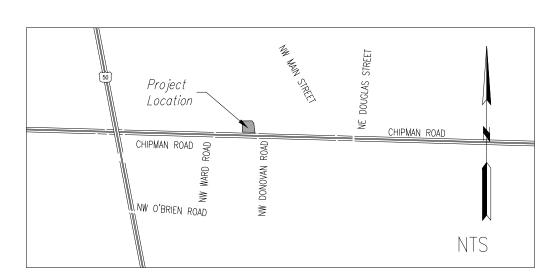
BUILDING ELEVATIONS

SITE LIGHTING PLAN AND PHOTOMETRIC GRID





VICINITY MAP



GENERAL NOTES:

- 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. proposed sanitary and storm sewers, including building laterals.

4. The Contractor shall be responsible for notification and coordination with all Utility Companies.

- 3. Prior to submittal of construction bids, the Contractor shall be required to visit the site to verify existing
- 5. The Contractor shall notify the Engineer immediately of any discrepancies in the plans. All curb shall be CG-1 unless otherwise noted.
- 8. There are no oil or gas wells located on the subject property as of October 23, 2019 as shown by the Missouri Geological Survey GEOSTRAT (Geosciences Technical Resource Assessment Tool).

PLANS PREPARED FOR S.M. Trading Corporation 7415 W. 130TH ST., SUITE 100 OVERLAND PARK, KANSAS 66213 CONTACT - JERRY ROUSH 913-396-5021 jroush@fuelexpresso.com

PLANS PREPARED BY HG CONSULT 11010 HASKELL ST. #210, KANSAS CITY, KS 66109 CONTACT: KEVIN STERRETT *816-703-7098*

PROJECT BENCHMARK:

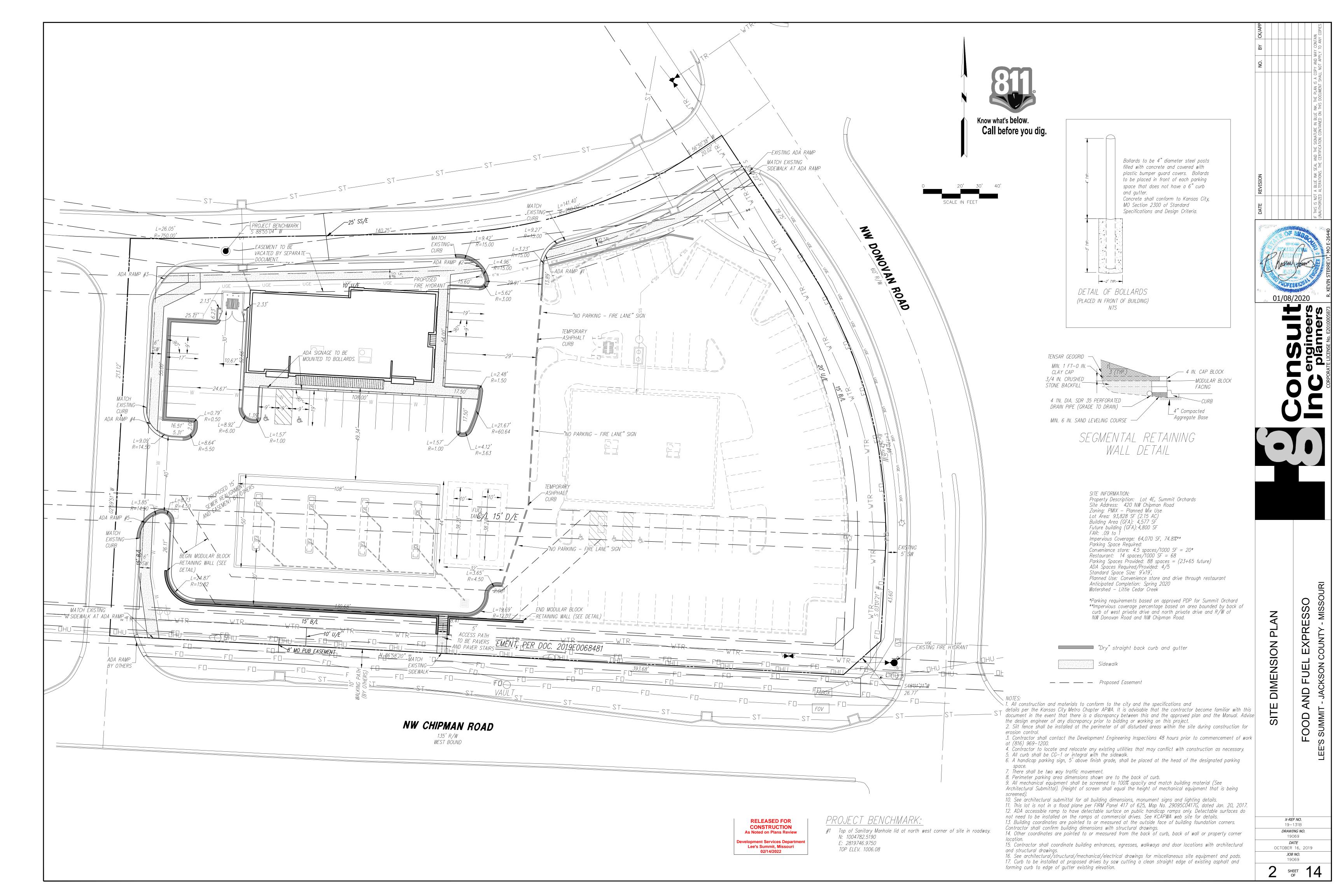
TOP ELEV. 1006.08

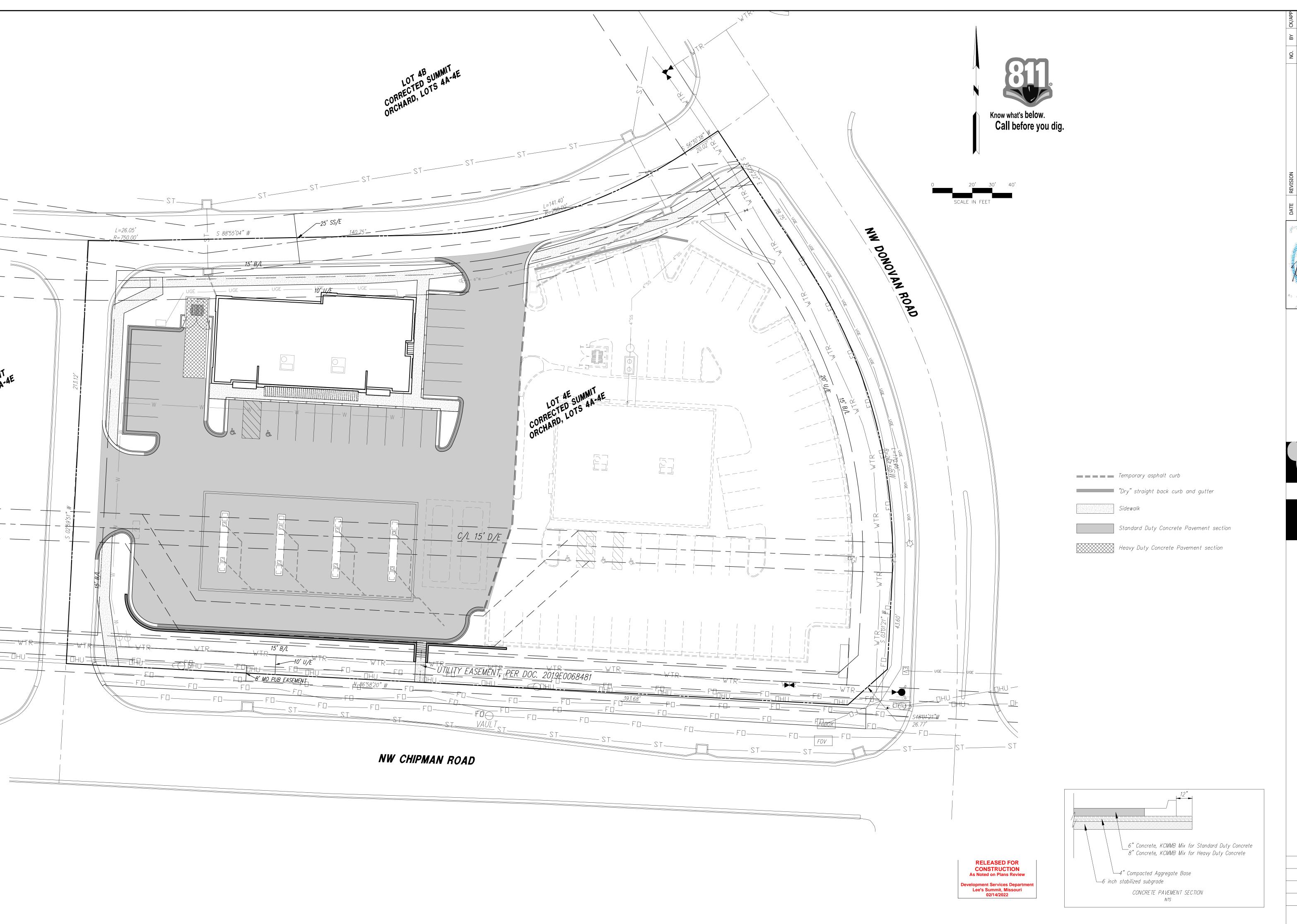
#1 Top of Sanitary Manhole lid at north west corner of site in roadway. E: 2819746.9750

> CONSTRUCTION Lee's Summit, Missour 02/14/2022

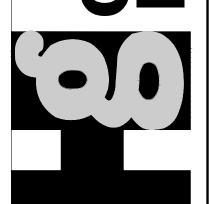
OCTOBER 16, 2019

DRAWING NO.





Daineers
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Planners
R. KEVIN STERRETT, MO E-26440



VEMENT PLAN

FOOD AND FUEL EXPRESSO
LEE'S SUMMIT - JACKSON COUNTY - MISSON

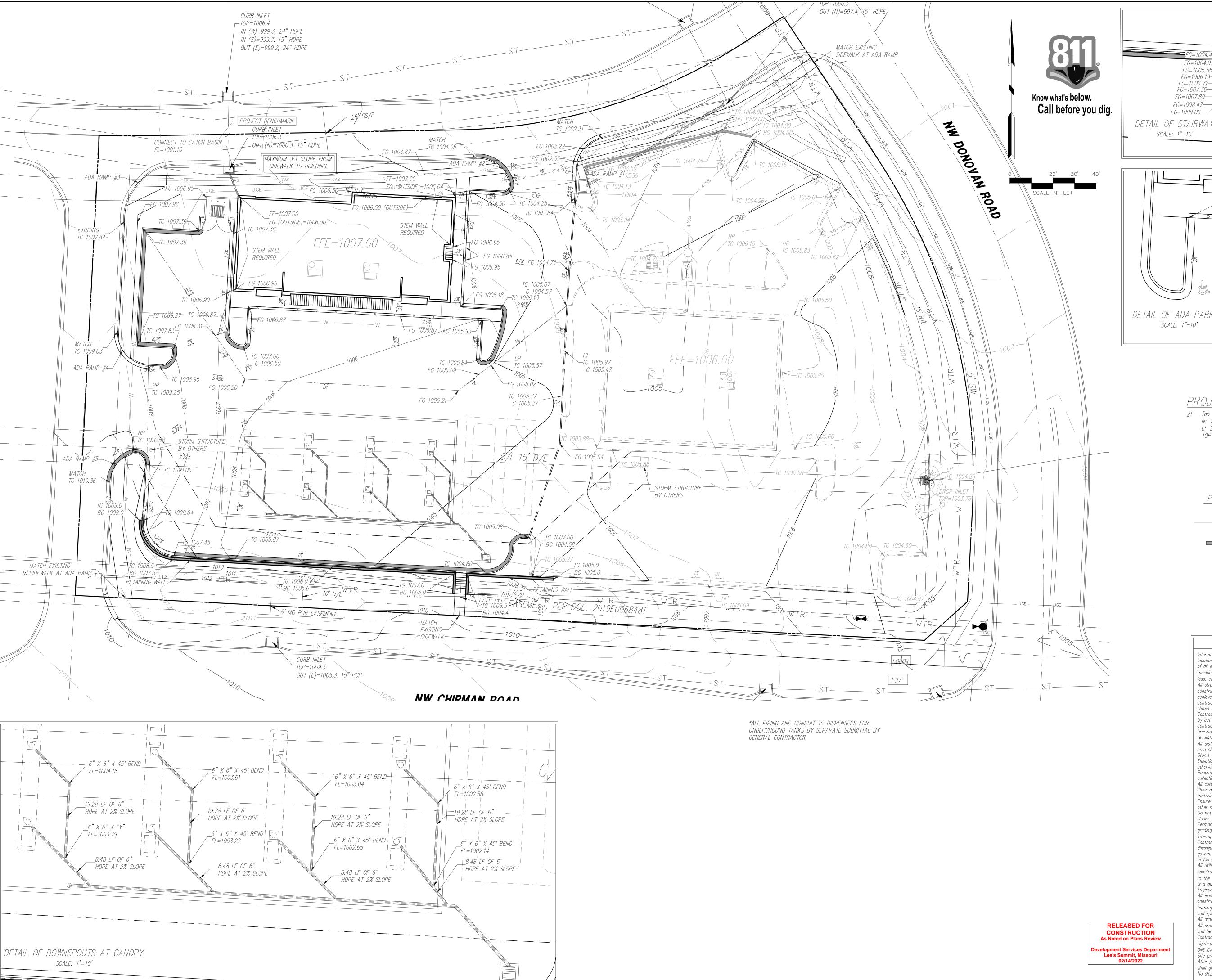
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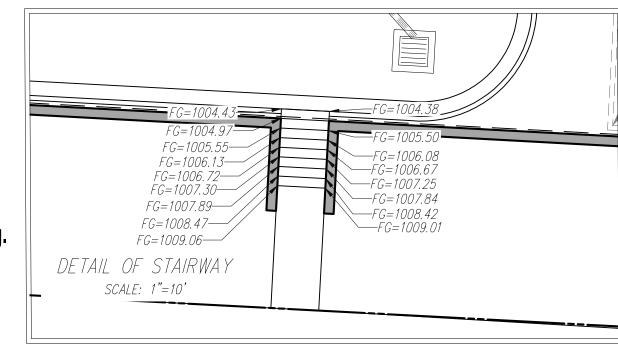
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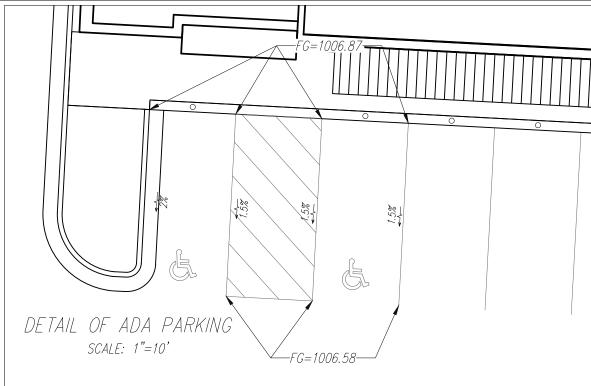
DATE

OCTOBER 16, 2019

JOB NO.
19069







PROJECT BENCHMARK:

#1 Top of Sanitary Manhole lid at north west corner of site in roadway. N: 1004782.5190 E: 2819746.9750 TOP ELEV. 1006.08



"Dry" straight back curb and gutter

Top of Curb Finish Grade

Gutter Elevation

High Point Low Point

Finish Floor Elevation

Top of Grade (Retaining Wall) Bottom of Grade (Retaining Wall)

GRADING AND DRAINAGE NOTES:

Information pertaining to under ground utilities was obtained from available records and field locations when possible, but the contractor must determine the exact location and elevation of all existing utilities by digging test pits by hand at all utility crossings in advance of machine trenching. If clearances are less than specified on these plans or 24", which ever is less, contact the Engineer and the Owner/ Developer prior to proceeding with construction. All structures located within Right Of Way or otherwise noted on the these plans shall be constructed per City Standards If structure(s) are not prototypical or construction cannot be achieved contractor shall submit shop drawing to HG Consult, for review and approval. Contractor shall be responsible for relocation or removal of existing underground utilities

shown or not shown at no additional cost to the owner. Contractor shall coordinate with utility companies on adjusting existing utility line as required by cut and fill at no additional cost to the owner. Contractor shall be held responsible for the design and implementation of sheeting, shoring, bracing and special excavation measures required to meet OSHA, Federal, State and Local regulations pursuant to the installation of the work indicated on these drawings. All disturbed areas and slopes shall be graded smooth and (4") of top soil applied. The

area shall be seeded and watered until hardy grass growth has been established. Storm drain pipe bedding shall be installed per APWA, section 2100. Elevations are called out to top of curb, top of pavement, or top of structure, unless otherwise noted.

Parking lot grading shall be performed to route storm water as directed to the storm

collection system. All curb shall be CG-1. Clear and grub areas to be filled, remove trees, vegetation, roots, or other debris, and other materials that would affect the stability of the fill.

Ensure that fill material is free of brush, rubbish, rocks, logs, stumps, building debris, and other materials inappropriate for constructing stable fills. Do not incorporate frozen material or soft, muck, or highly compressible materials into fill

Permanently stabilize all graded areas after final grading is completed on each area of the grading plan. apply temporary stabilization measures on all graded areas when work is to be interrupted or delayed (see Erosion Control Plan(s).

Contractor shall match top of proposed drainage structures with proposed grades. if a discrepancy occurs between proposed grades and proposed structure tops, the grading shall govern. If the discrepancy is more than 4 inches the contractor shall contact the Engineer

All utilities, including storm sewer, shown within public easements or right of ways shall be constructed to the governing agency's specifications. All other utilities shall be constructed to the client's or the governing agency's specifications, whichever is more stringent, if there is a question as to which specifications should apply the contractor shall contact the Engineer of Record.

All existing structures, unless otherwise noted to remain. all fencing, trees, & etc., within construction area shall be removed & disposed of off site, unless otherwise noted. any burning on site shall be subject to local ordinances and/or the owner/developers standards and specifications.

All drainage structures shall be pre-cast. All drainage structures and storm sewer pipes shall meet heavy duty traffic (H2O) loading and be installed accordingly. Contractor shall notify all utility companies having underground utilities on site or in

right-of-way prior to excavation. Contractor shall contact utility locating company (STATE ONE CALL system) and locate all utilities prior to grading start. Site grading shall not proceed until Erosion Control measures have been installed. After permits have been obtained and Erosion Control measures installed, the contractor shall grade building pad & aprons to 0" to - 1/2" of subgrade.

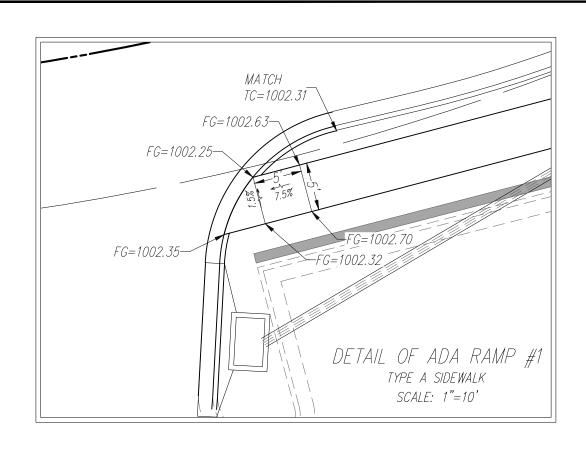
No slope greater than 3:1.

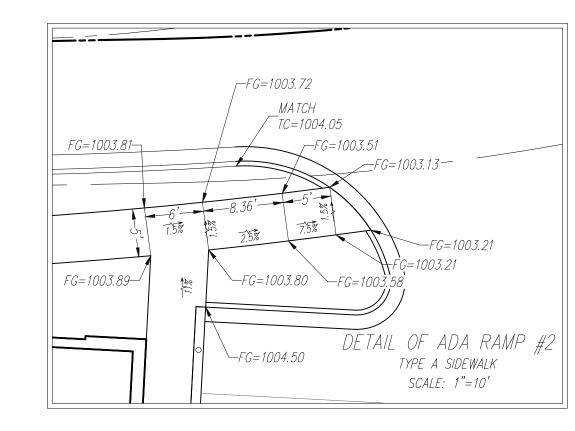
DRAWING NO. 19069 DATE OCTOBER 16, 2019 JOB NO. 19069

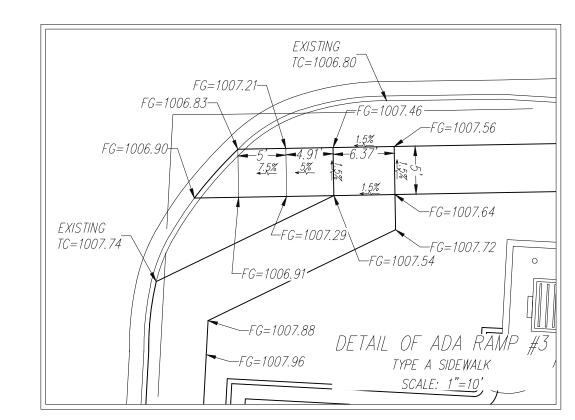
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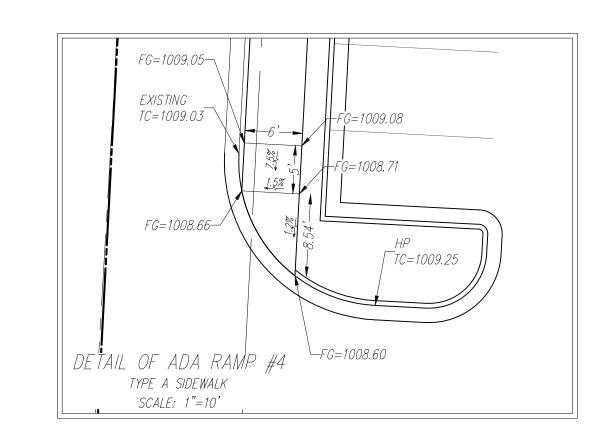
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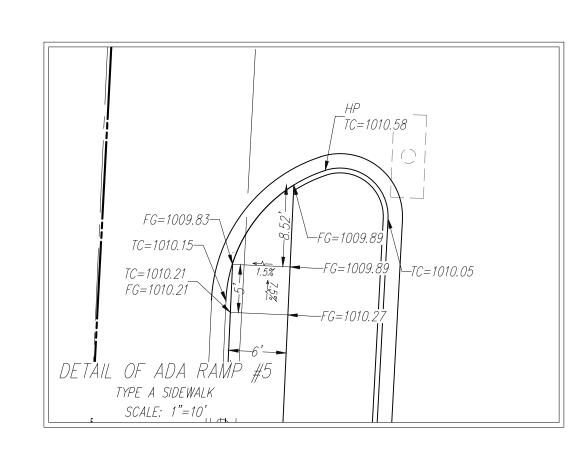
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PROJECT BENCHMARK:

#1 Top of Sanitary Manhole lid at north west corner of site in roadway.
N: 1004782.5190
E: 2819746.9750
TOP ELEV. 1006.08

DATE
OCTOBER 16, 2019

JOB NO.
19069

SHEET 14

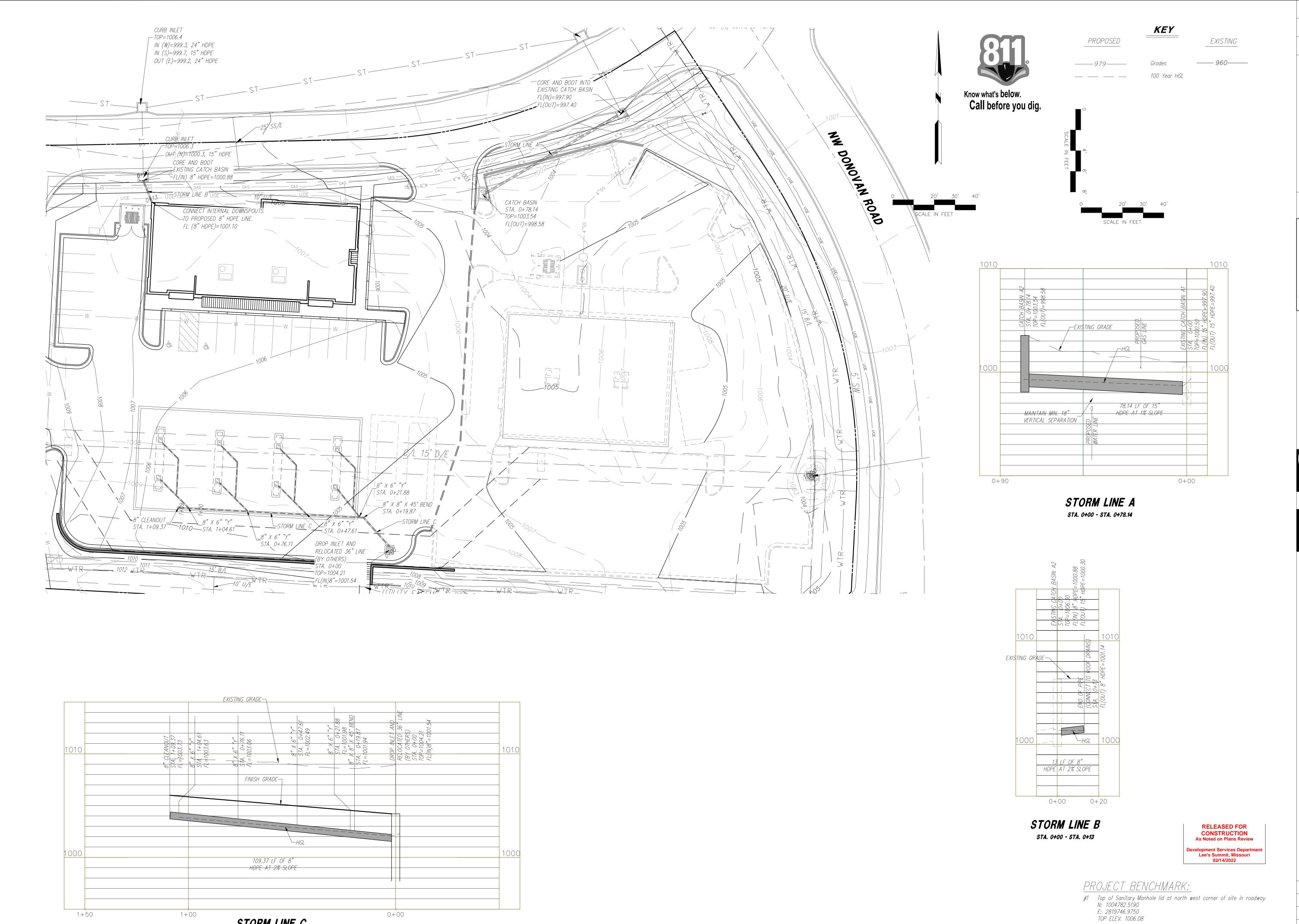
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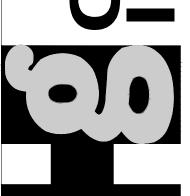
SIDEWALK



STORM LINE C

STA. 0+00 - STA. 1+09.37

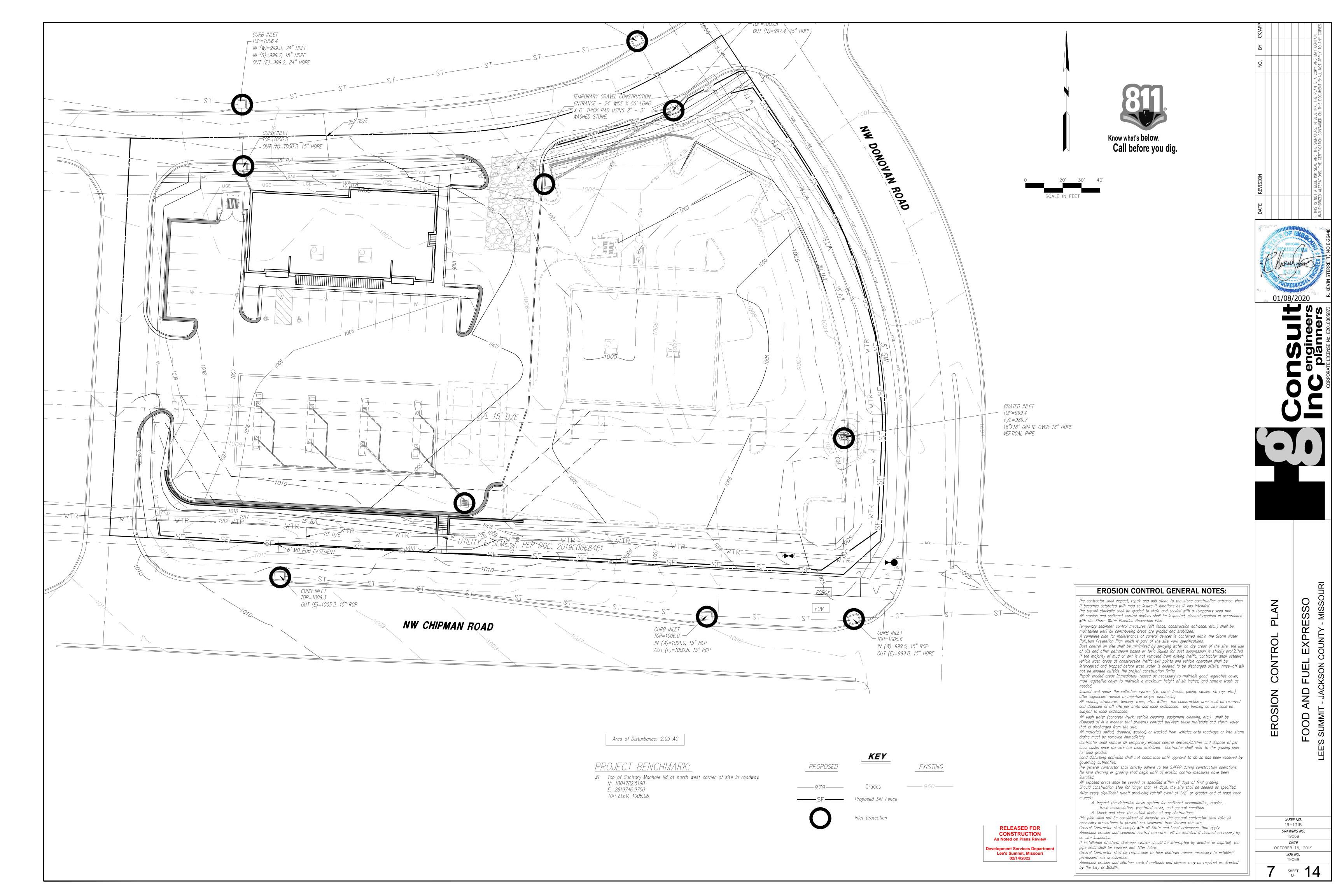


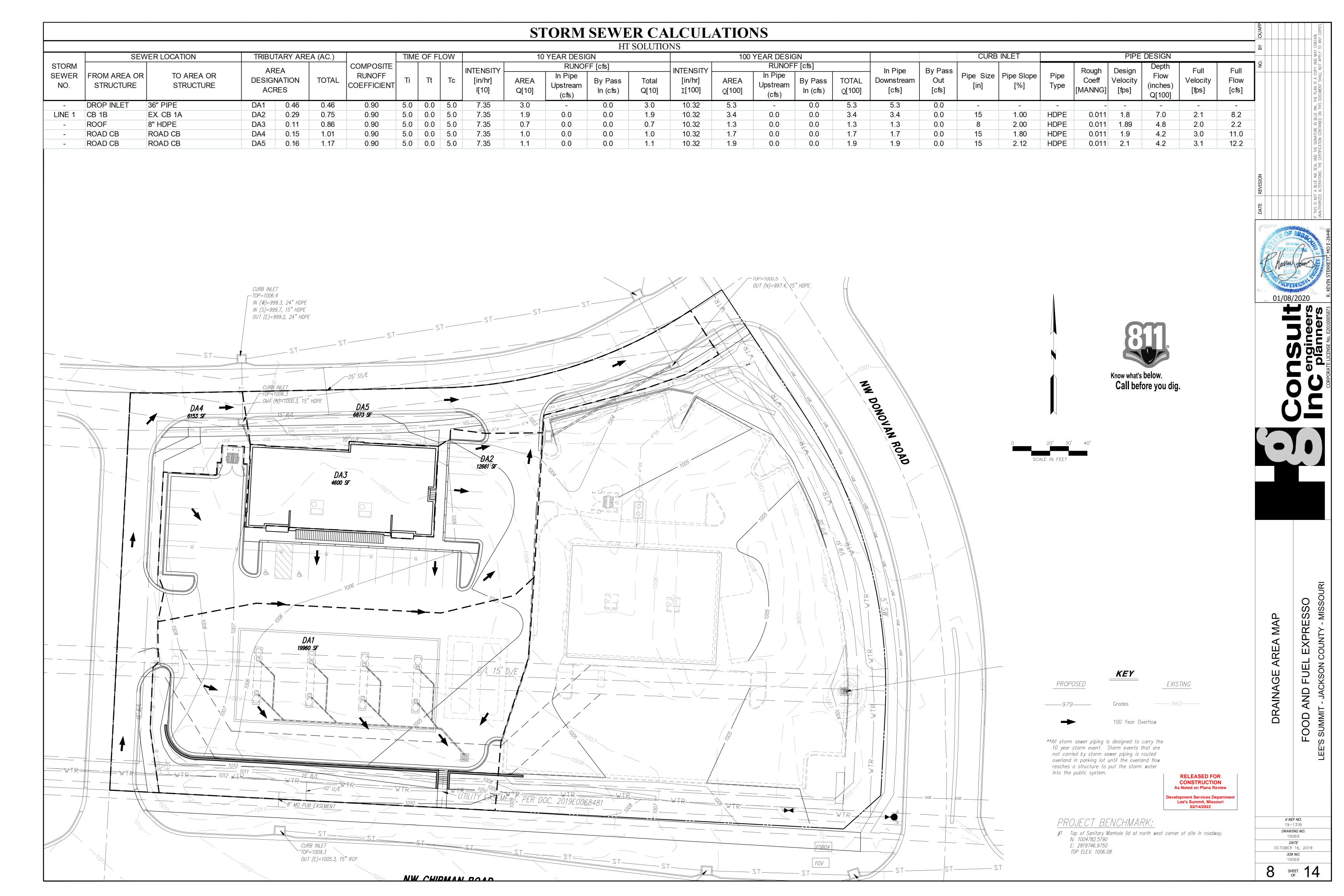


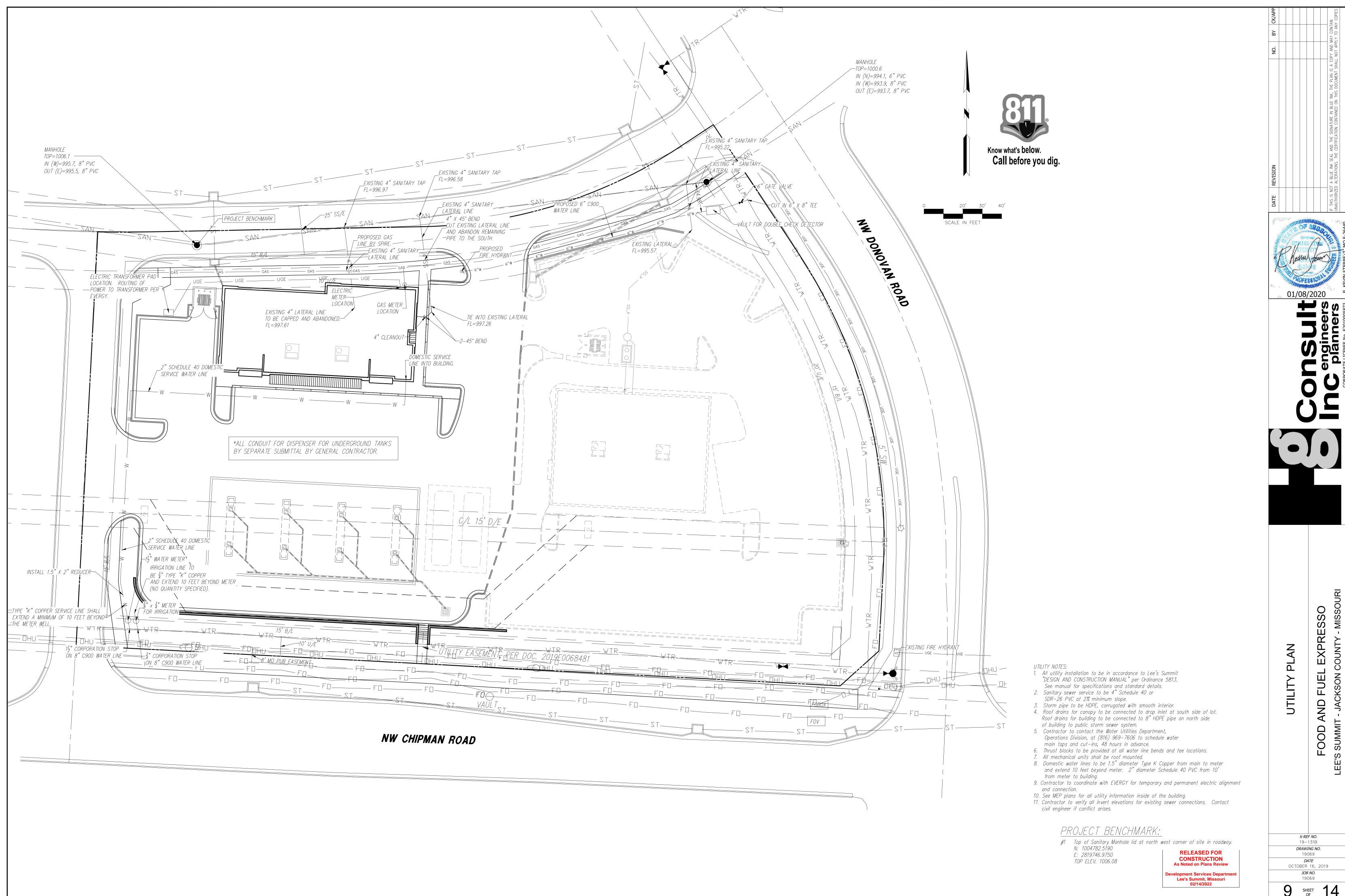
STORM SEWER LINE A STA. 0+00 - STA. 0+78.14

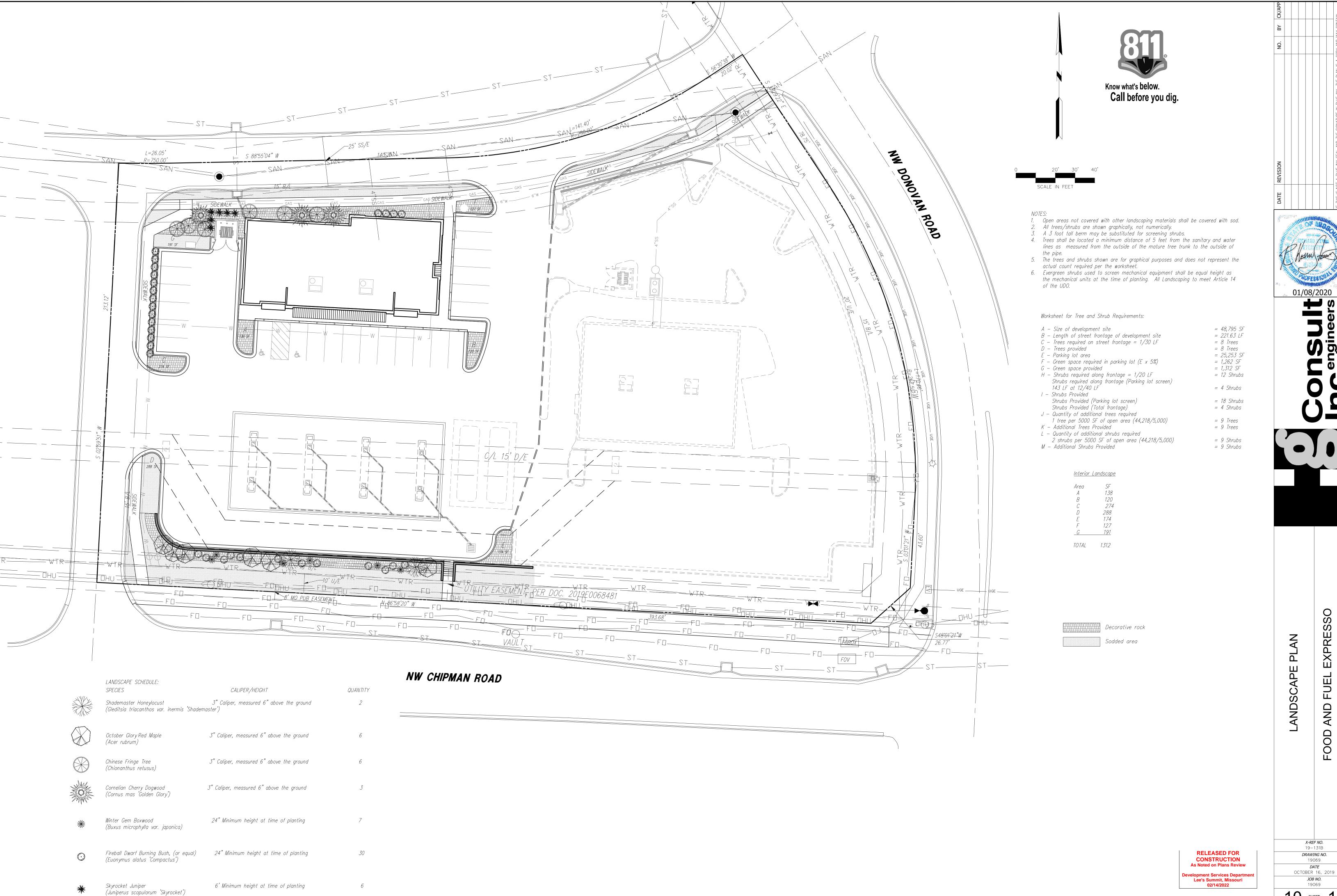
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X-REF NO. DRAWING NO. 19069 **DATE**OCTOBER 16, 2019 *JOB NO.* 19069





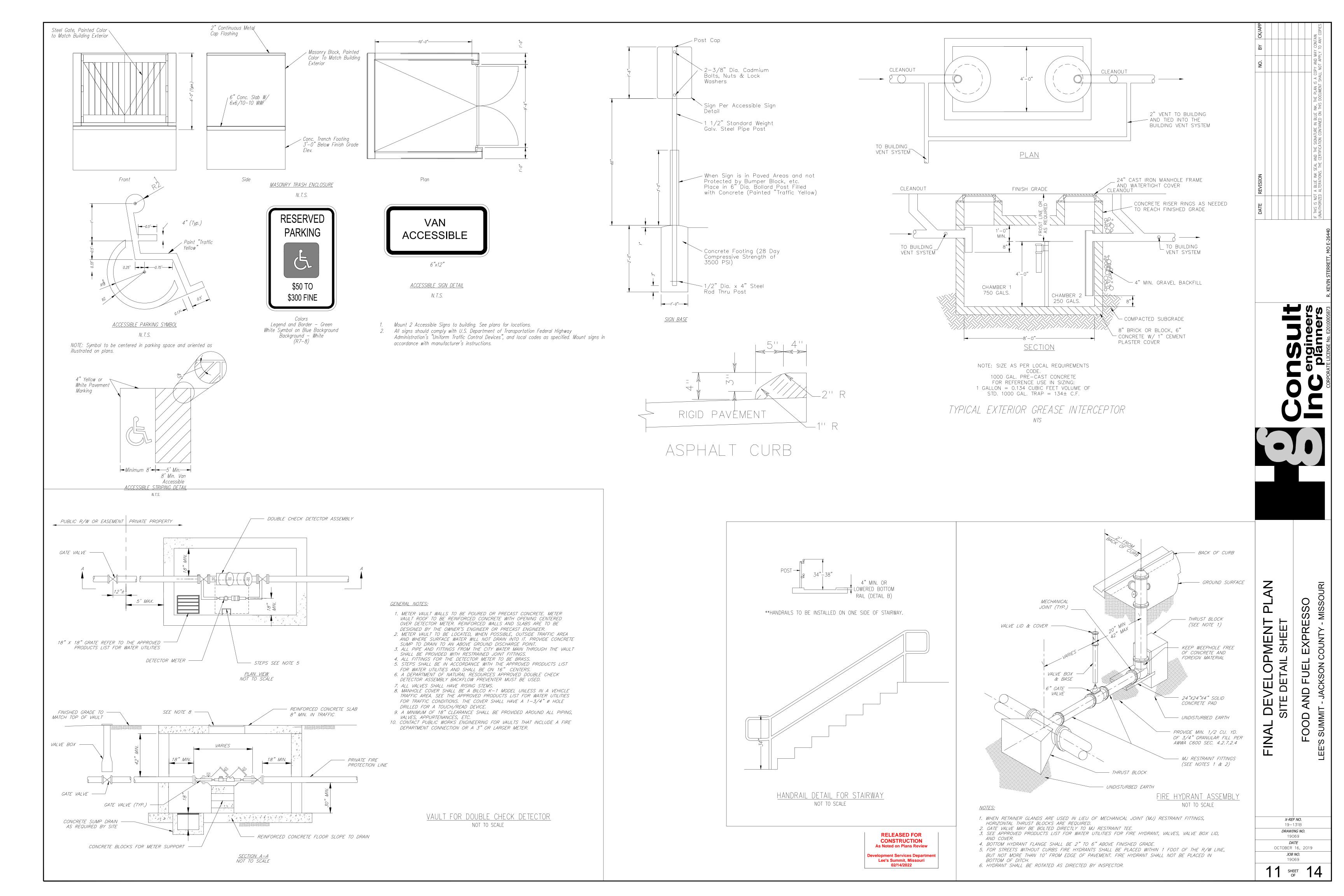


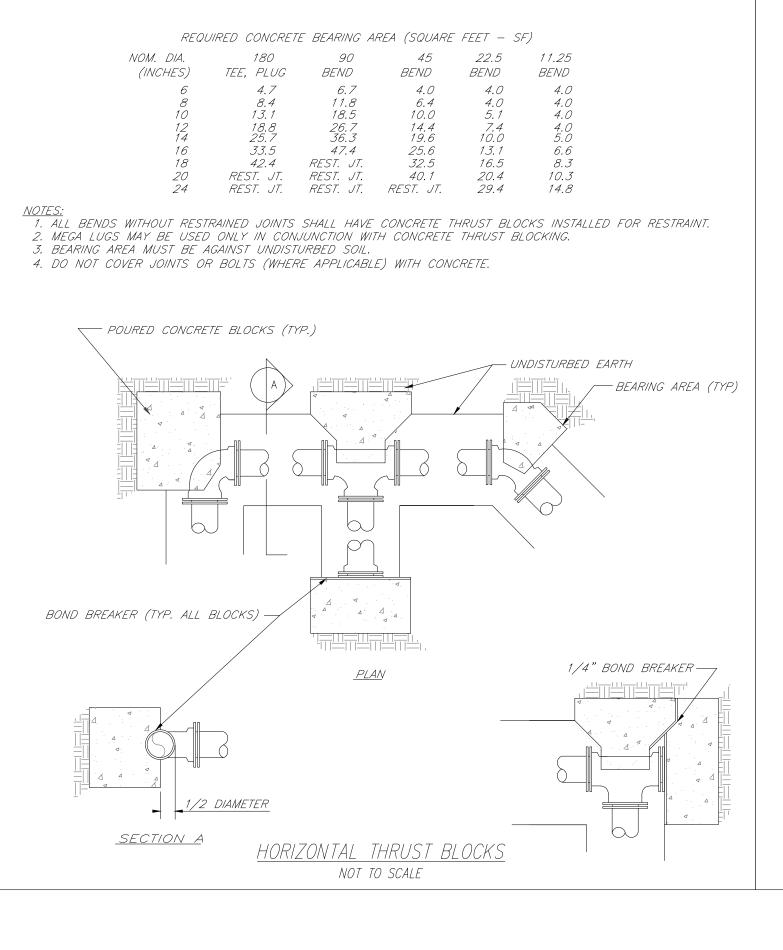


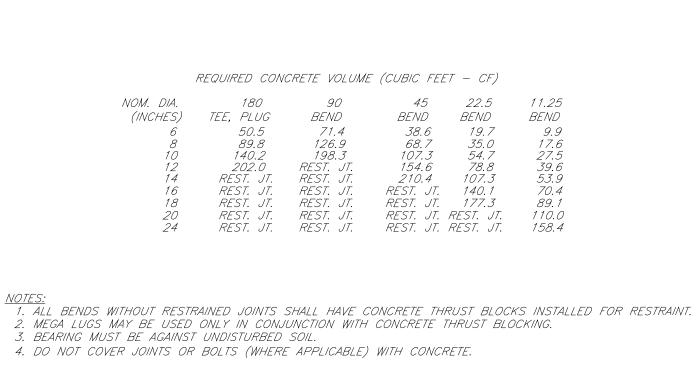
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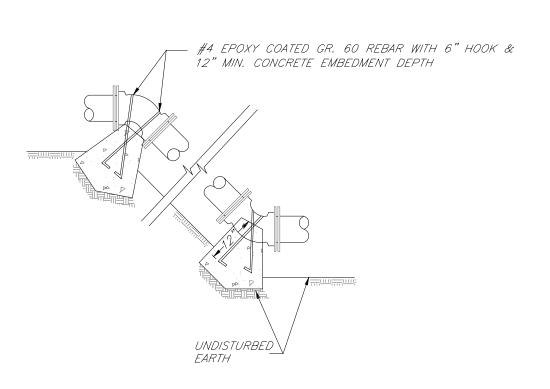
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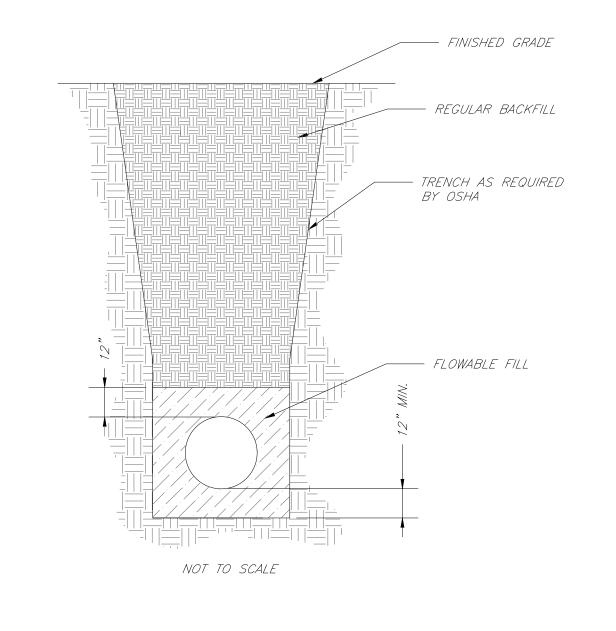








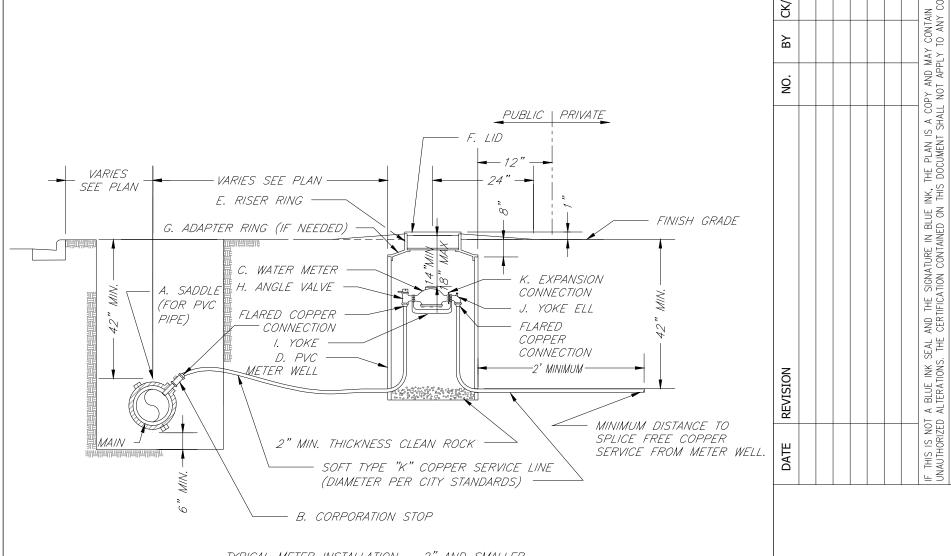
VERTICAL THRUST BLOCKS NOT TO SCALE



1. FLOWABLE FILL SHALL MEET THE REQUIREMENTS OF THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION

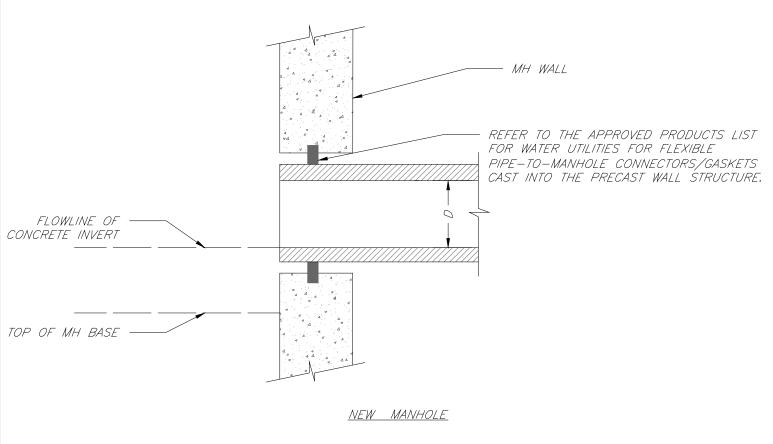
- 2. REGULAR BACKFILL ABOVE THE TRENCH CHECK SHALL BE FREE OF DEBRIS, ORGANIC MATTER, AND STONES > 6" IN ANY DIMENSION.
- 3. TOP OF FLOWABLE BACKFILL SHALL EXTEND 12" ABOVE THE TOP OF THE PIPE.
- 4. LENGTH OF TRENCH CHECK SHALL BE A MINIMUM OF 12".

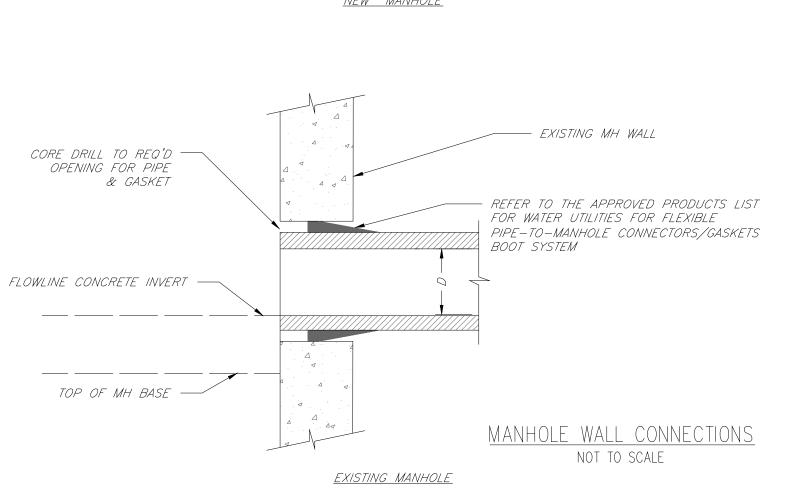
NOT TO SCALE

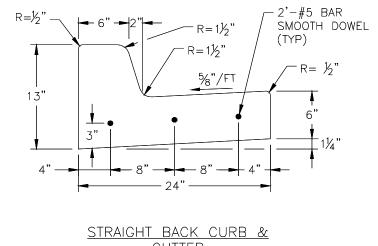


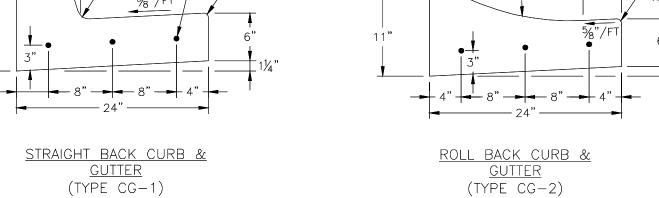
TYPICAL METER INSTALLATION — 2" AND SMALLER
NOT TO SCALE

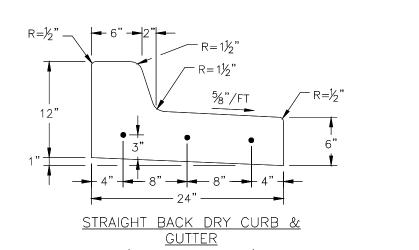
- 1. METER INSTALLATION SHALL NOT BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC OR IN CONCRETE PAVEMENT WITHOUT CITY APPROVAL.
- 2. IF METER IS TO BE LOCATED OTHER THAN IN FRONT OF PROPERTY LINE, CITY APPROVAL SHALL BE OBTAINED.
- 3. CITY TO FURNISH ITEMS A-K. 4. NO OTHER EQUIPMENT SHALL BE INSTALLED IN THIS PIT.
- 5. 42" MINIMUM BURY DEPTH FOR ALL SERVICE LINES.
- 6. EXCAVATION FOR TAP TO EXPOSE 4 LINEAR FEET OF MAIN. 7. NO SPLICES ALLOWED BETWEEN METER AND MAIN.
- 8. SERVICE CONNECTION TAP AT APPROXIMATELY 45 DEGREES.
- 9 LID AND RISER RING SHALL BE SET SO THAT GROUND WATER WILL DRAIN AWAY FROM THE WELL.

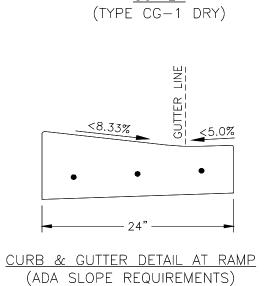


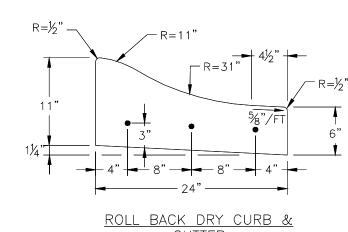










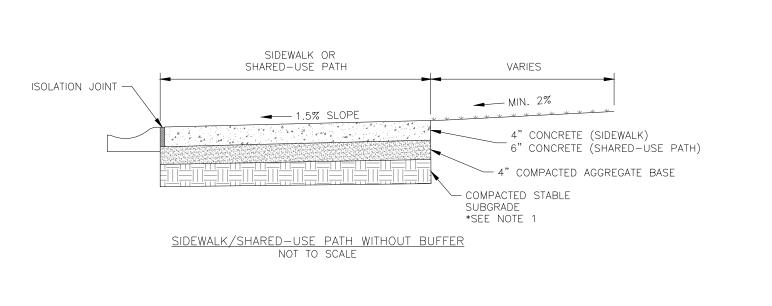


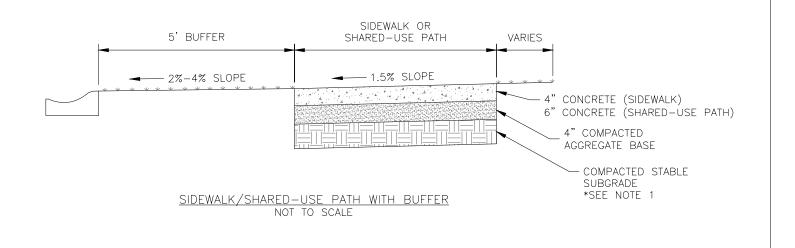
<u>GUTTER</u> (TYPE CG-2 DRY)

CONCRETE FILL (DEPTH - SAW CUT TO AGGREGATE VARIES, 4" MINIMUM) BASE OR SUBGRADE 2" ASPHALTIC CONCRETE SURFACE COURSE /-- CURB & GUTTER VARIES COMPACTED STABLE SUBGRADE L EXISTING PAVEMENT CURB REPLACEMENT DETAIL

GENERAL NOTES

- 1. $\frac{3}{4}$ " 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 APROXIMATELY 10' INTERVALS. THESE JOINTS SHALL PASS ACROSS THE ENTIRE CURB SECTION.
- 3. CONCRETE FILL SHALL HAVE UNIFORM AND SMOOTH FINISH
- 4. KCMMB 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.





<u>GENERAL NOTES:</u>

- 1. SUBGRADE MUST BE OF STABLE, COMPACTED EARTH AND SHALL BE OVERLAYED WITH 4" COMPACTED DENSE GRADED AGGREGATE BASE.
- 2. 1.5% CROSS SLOPE MUST BE MAINTAINED THROUGH DRIVEWAYS. 3. KCMMB 4K CONCRETE MIX SHALL BE REQUIRED FOR ALL SIDEWALKS/SHARED-USE PATHS OR AS APPROVED
- BY THE CITY INSPECTOR.
- 4. ALL SIDEWALK/SHARED-USE PATHS SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY GUIDELINES
- 5. AN ISOLATION JOINT SHALL BE PLACED AT A MAXIMUM OF 150 FT. CONSTRUCTION JOINTS SHALL BE PLACED THE SAME WIDTH OF SIDEWALK/SHARED-USE PATHS, BUT NO GREATER THAN 10 FT.
- 6. AN ISOLATION JOINT SHALL BE PLACED WHERE THE SIDEWALK/SHARED-USE PATHS MEETS A RESIDENTIAL DRIVEWAY.
- 7. SHARED-USE PATHS WIDTH SHALL BE 10 FT. WIDE. 8. SIDEWALK/SHARED-USE PATHS FINISHING SHALL BE FULL BROOM FINISH OR AS DIRECTED BY CITY
- 9. WHITE CURING COMPOUND MUST BE APPLIED UNIFORMLY TO THE CONCRETE SURFACE IMMEDIATELY AFTER FINAL FINISHING.



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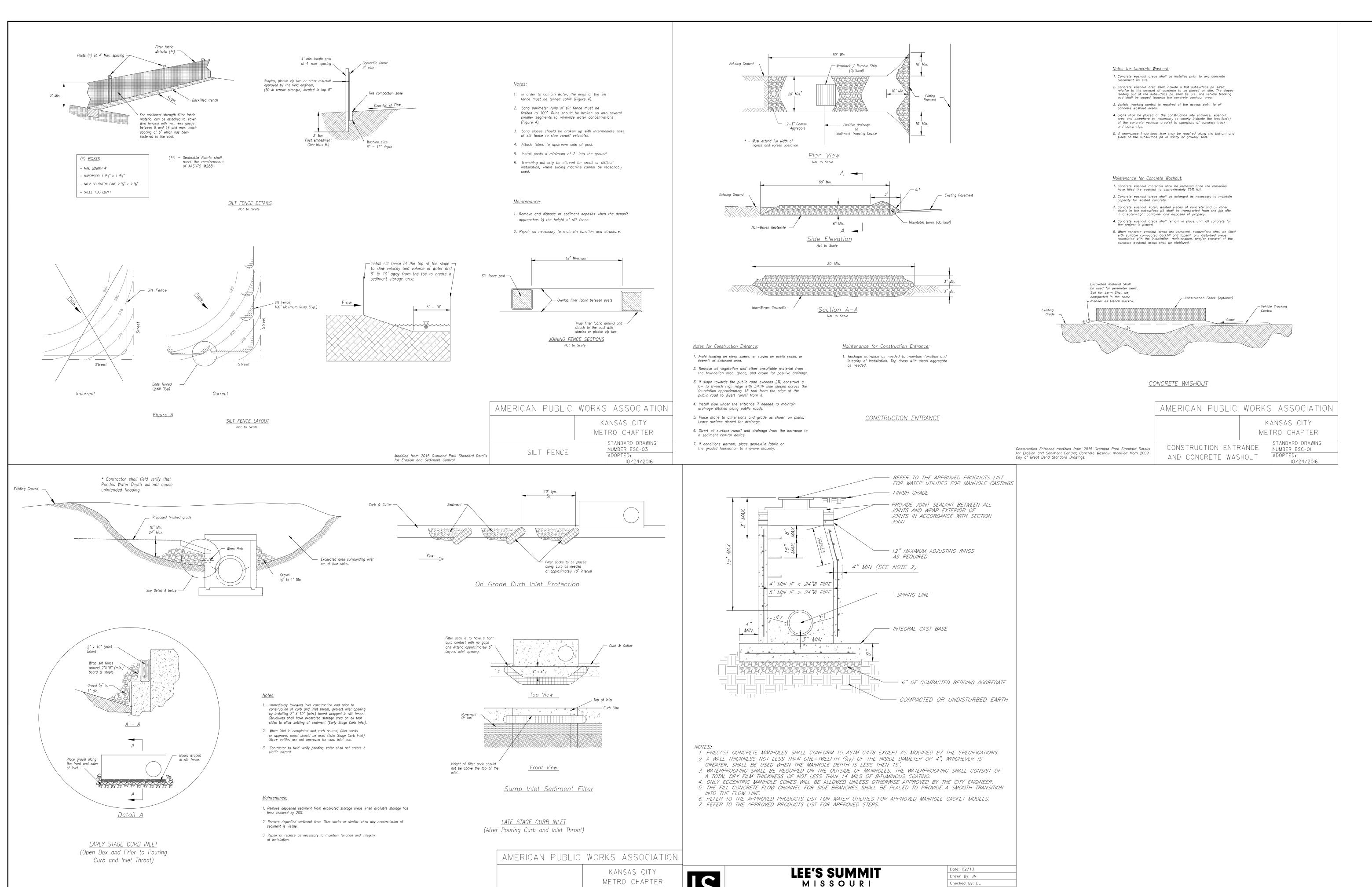
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OPMENT
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STANDARD DRAWING

10/24/2016

NUMBER ESC-06

CURB INLET PROTECTION

Modified from 2015 Overland Park Standard Details

RELEASED FOR
CONSTRUCTION
As Noted on Plans Review

Development Services Department
Lee's Summit, Missouri
02/14/2022

FILE: SAN-2

Rev: 1/14

STANDARD PRECAST MANHOLE - SANITARY SEWER

DATE REVISION NO. BY

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

CORPORATE ICENSE NO. F2010015823

SITE DETAIL SHEET

DD AND FUEL EXPRESSO

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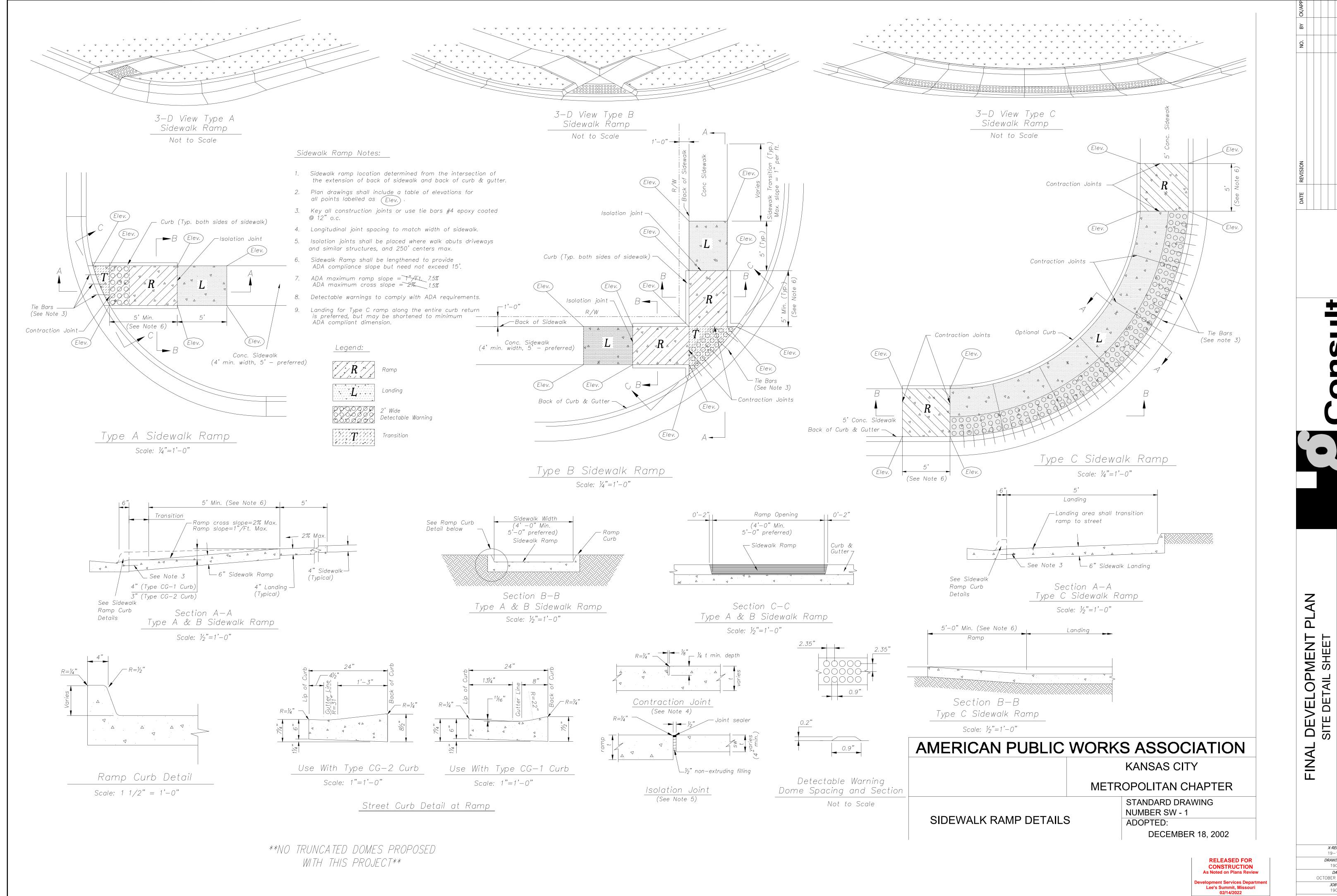
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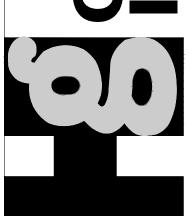
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