GENERAL

- 1. Lineal foot measurements shown on the plans are horizontal measurements, not slope measurements. All payments shall be made on horizontal measurements.
- 2. No geological information is shown on these plans.
- 3. The utility locations shown on these plans are taken from utility company records and are approximate only. They do not constitute actual field locations. The contractor shall verify the location and depth of all utilities prior to construction.
- 4. The contractor shall adhere to the provisions of the Senate Bill Number 583,78th General Assembly of the State of Missouri. The bill requires that any person of firm doing excavation on public right-of-way do so only after giving notice to, and obtaining information from, utility companies. State law requires 48 hours advance notice. The names and telephone numbers of utility companies, even if only remotely involved with this project are provided. Prior to commencement of work, the contractor shall notify all those companies which have facilities in the near vicinity of the construction to be
- 5. All waste material resulting from the project shall be disposed of off-site by the
- 6. All excavation shall be unclassified. No separate payment will be made for rock
- 7. The contractor shall control the erosion and siltation during all phases construction, and he shall keep the streets clean of mud and debris.
- 8. All manholes, catch basins, utility valves and meter pits to be adjusted or rebuilt to grade as required. All existing utilities shall be adjusted as required.
- 9. Subgrade soil for all concrete structures, regardless of the type or location, shall be firm, dense and thoroughly compacted and consolidated: shall be free from muck and mud; and shall be sufficiently stable to remain firm and intact under the feet of the
- 10. workmen or machinery engaged in subgrade surfacing, laying reinforcing steel, and depositing concrete thereon. In all cases where subsoil is mucky or works into mud or muck during such operation, a seal course of either concrete or rock shall be placed below subgrade to provide a firm base for working and for placing the floor slab.
- 11. The contractor is responsible for providing all surveying that may be required.
- 12. Easements indicated on these drawings will be provided for on the final plat and properly dimensions. Easements outside the platted area will be provided for by separate documents prior to issuance of a construction permit.

STREETS & STORM SEWER

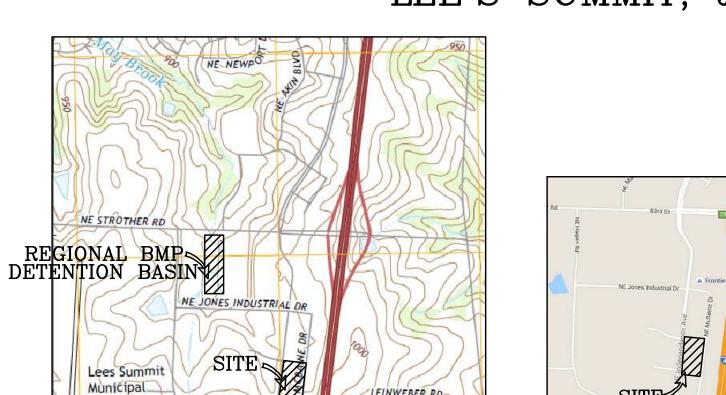
- 1. All construction shall follow the City of Lee's Summit Design and Consrtuction Manual as adopted by Ordinace 5813.
- 2. High Density Plastic Pipe (HDPE) shall conform to A.A.S.H.T.O. M-294.
- 3. Reinforced Concrete Pipe (RCP) shall conform to ASTM Designation C-76-62T (Class III).
- 4. Curb Return Radius, 15' minimum unless shown otherwise.
- 5. The top 6" of roadway subgrade shall be undercut and compacted to minimum 95% of maximum density at optimum moisture as determined by AASHO T99, Method B. Contractor shall provide for moisture—density and relative density tests on roadway subgrade by an accepted testing firm. Contractor shall provide for in-place density test on compacted subgrade by an accepted testing firm. In-place density test shall be conducted every 50—feet along the proposed roadway. Contractor shall provide testing results to
- All Flared End Sections shall be installed with Toe Wall. (See Toe Wall Detail on Storm Sewer Detail Sheet)

<u>WATER</u>

- 1. All construction shall follow the City of Lee's Summit Design and Consrtuction Manual as adopted by Ordinace 5813 and with all the requirements of the Missouri Department of Health and Missouri Clean Water Commission.
- 2. Class 50 Ductile Iron Pipe or C900 pipe shall be used per city specifications
- 3. All fittings shall be lined inside and out with an asphaltic base or bitumastic coating,
- 4. Fire Hydrants shall be Waterous Pacer WB-67 with non-rising stem or approved equal by the City Engineer. Hydrants shall have $5 \frac{1}{4}$ " valve with $4 \frac{1}{2}$ " pumper nozzle and $2-2\frac{1}{2}$ hose nozzles (left hand opening).
- 5. Gate Valves to be A.P. Smith series 1000 or Mueller No. A 2380-5 hub end "0" ring seal non-rising stem, valves 12 inches and larger shall be Butterfly valves manufactured by the Henry Pratt Company or City Engineer Approved equal Left hand opening minimum 200# testing AWWA.
- 6. Valve boxes shall be Clay & Bailey # p-108 or approved equal. All boxes to be installed out of pavement areas.
- 7. Water lines are to be constructed to a depth of 4 feet below and back of street curbs. Street grading is to be complete prior to waterline placement.
- 8. Easements for water lines located outside the platted area will be provided for by separate documents after the Final Plat is recorded.
- All tees, bends, plugs, valves and hydrants shall be provided with reaction blocking. Pre—cast
- 10. After water mains have been laid and partially backfilled, they shall be subject to a hydrostatic pressure test of not less than 150 psi, in accordance with AWWA C605. The line shall be pressurized to test pressure and closed for two hours. At the end of the two-hour period, the line shall be repressurized and the volume of water required to restore pressure shall be measured. The maximum amount of water to restore pressure shall be 0.5 gallons per 1000 feet of tested main. Testing shall be done by Contractor in presence of Engineer.
- 11. Before connecting to City water mains and prior to wet tap, the new main shall be disinfected in accordance with AWWA C651. A 1 percent solution of chlorine shall be pumped into the water main, such that the water in the line will not have less than 25 mg/l of free chlorine. At the end of a 24 hour period, the water shall be tested to ensure that at least 10 mg/l of free chlorine. After satisfactory testing of chlorination, the main shall be flushed. Disinfection testing and flushing shall be done by Contractor in presence of Engineer.
- 12. After final flushing and before the pipeline is placed in service, two samples shall be collected and shall be tested for bacteriological quality in accordance with the State Department of Health or other regulatory agency. Satisfactory results for both samples is required for successful completion of bacteriological testing. Contractor shall conduct all testing and provide testing results to Engineer.
- 13. Sample Taps must be included in the new line, no less than two (2) feet no more than ten (10) feet from where the new water line connects to the existing lines at each end.
- 14. A representative of the city water deptartment must be present for:
 - i. Disinfecting ii. Pressure Testing
 - iii. Bacteria Testing (a minimum of three required at perscribed locations to be determined by the water dept.)

CIVIL PLANS FOR LOTS 13, 14, 21, & 22 OF

I-470 BUSINESS AND TECHNOLOGY CENTER SECTION 20, TOWNSHIP 48, RANGE 31 LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



Airport

LOCATION MAP

MAP SCALE 1" = 1000"

FIRM

MISSOURI

PANEL 430 OF 625

PANEL 0430G

FLOOD INSURANCE RATE MAP

AND INCORPORATED AREAS

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

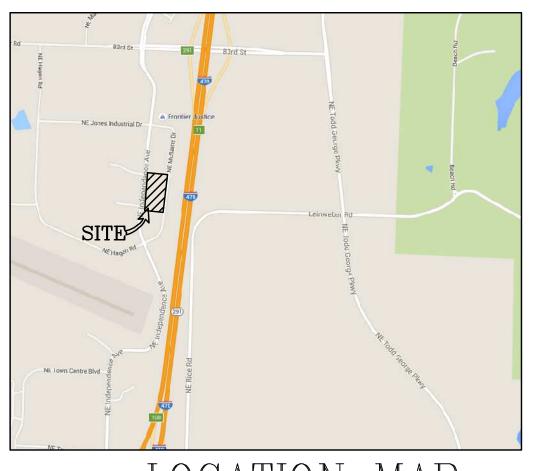
should be used when placing map orders, the Community Number shown above should be used on insurance applications for the subject

is is an official copy of a portion of the above referenced flood map. It as extracted using F-MIT On-Line. This map does not reflect changes amondments which may have been made subsequent to the date on the Exock. For the latest product information about National Flood insurar regram flood maps check the FEMA Flood Map Store at www.msc.femi.

MAP NUMBER

29095C0430G MAP REVISED

JACKSON COUNTY,





SHEET INDEX

SITE SURVEY

CIVIL PLANS COVER SHEET

SITE LANDSCAPING PLAN

SITE ESC PHASE 1 & 2 PLAN

SITE STORM SYSTEM PLAN

PUBLIC STORM IMPROVEMENT PLAN

I-470 BUSINESS AND TECHNOLOGY CENTER LOT 13A

A REPLAT OF LOTS 13, 14, 21, & 22 OF I-470 BUSINESS AND TECHNOLOGY CENTER A SUBDIVISION IN LEE'S

SUMMIT, JACKSON COUNTY, MISSOURI

LEGAL DESCRIPTION:

STORM DRAINAGE PLAN

SITE DETAIL SHEET

SITE ESC DETAILS

SITE UTILITY PLAN

SITE GRADING PLAN

FINAL DEVELOPMENT LAYOUT



UTILITIES

LEE'S SUMMIT PUBLIC WORKS 220 SE GREEN STREET LEE'S SUMMIT, MISSOURI 64063 (816) 969-1800

KANSAS CITY POWER & LIGHT CO. P.O. BOX 219330 KANSAS CITY, MO 64121-9330 (816) 471-5275

MISSOURI ONE-CALL

1-800-344-7483

CENTURY LINK P.O. BOX 2961 PHOENIX, AZ 85062 (800) 788-3600

MO GAS ENERGY

P.O. BOX 219255

KANSAS CITY, MO 64141

(816) 756-5252

TELEPHONE COMAPANY

BEFORE YOU DIG - DRILL - BLAST



1-800-344-7483 (MISSOURI) 1-800-344-7233 (KANSAS)

PROJECT CONTACTS: ROBERT WALQUIST, P.E.. 821 NE COLUMBUS ST LEE'S SUMMIT, MISSOURI 64063 Phone: (816) 550-5675

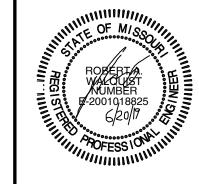
CIVIL PLANS COVER SHEET

DEVELOPER:

BLUE SPRINGS SAFETY STORAGE LLC

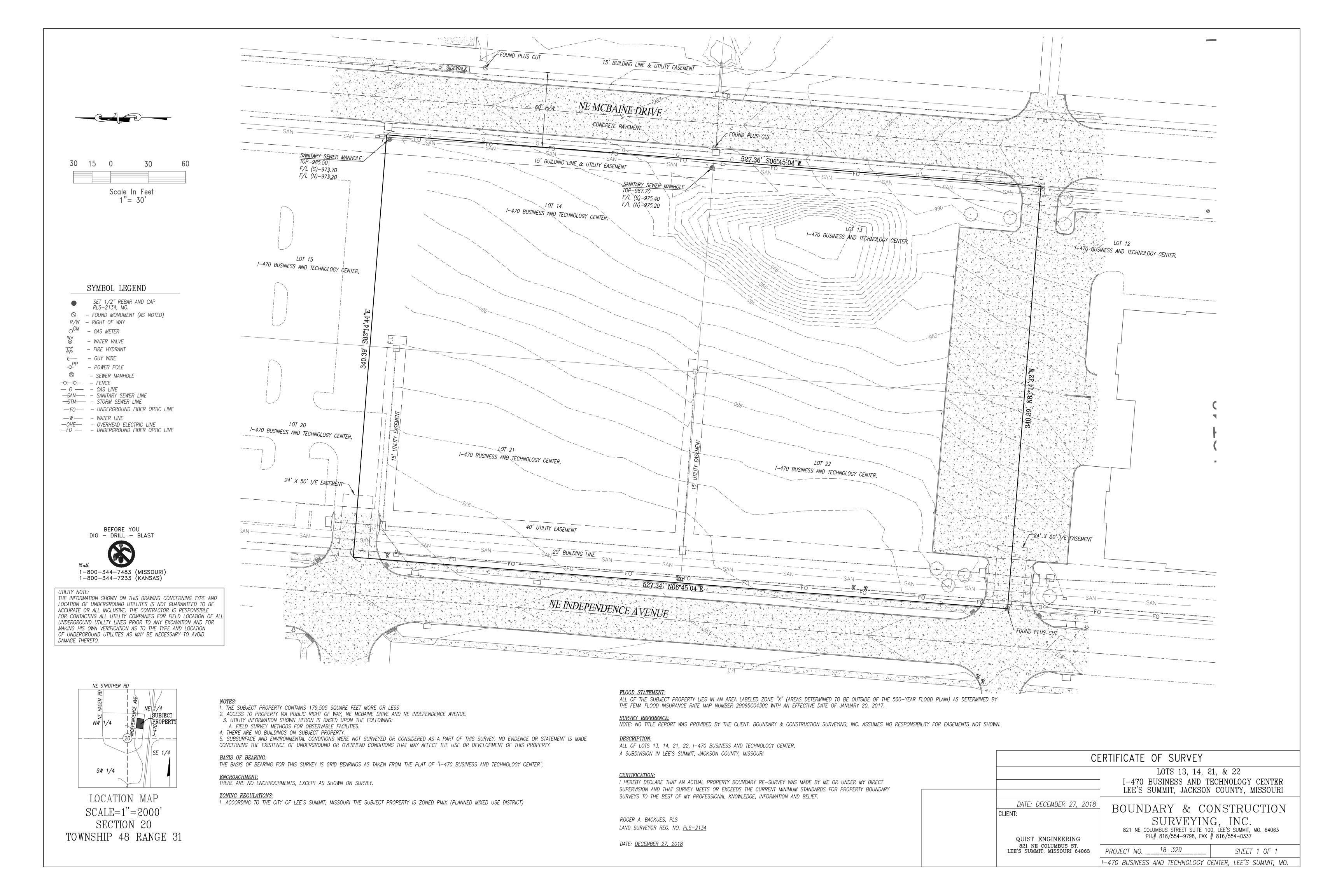
1120 NW EAGLE RIDGE BLVD.

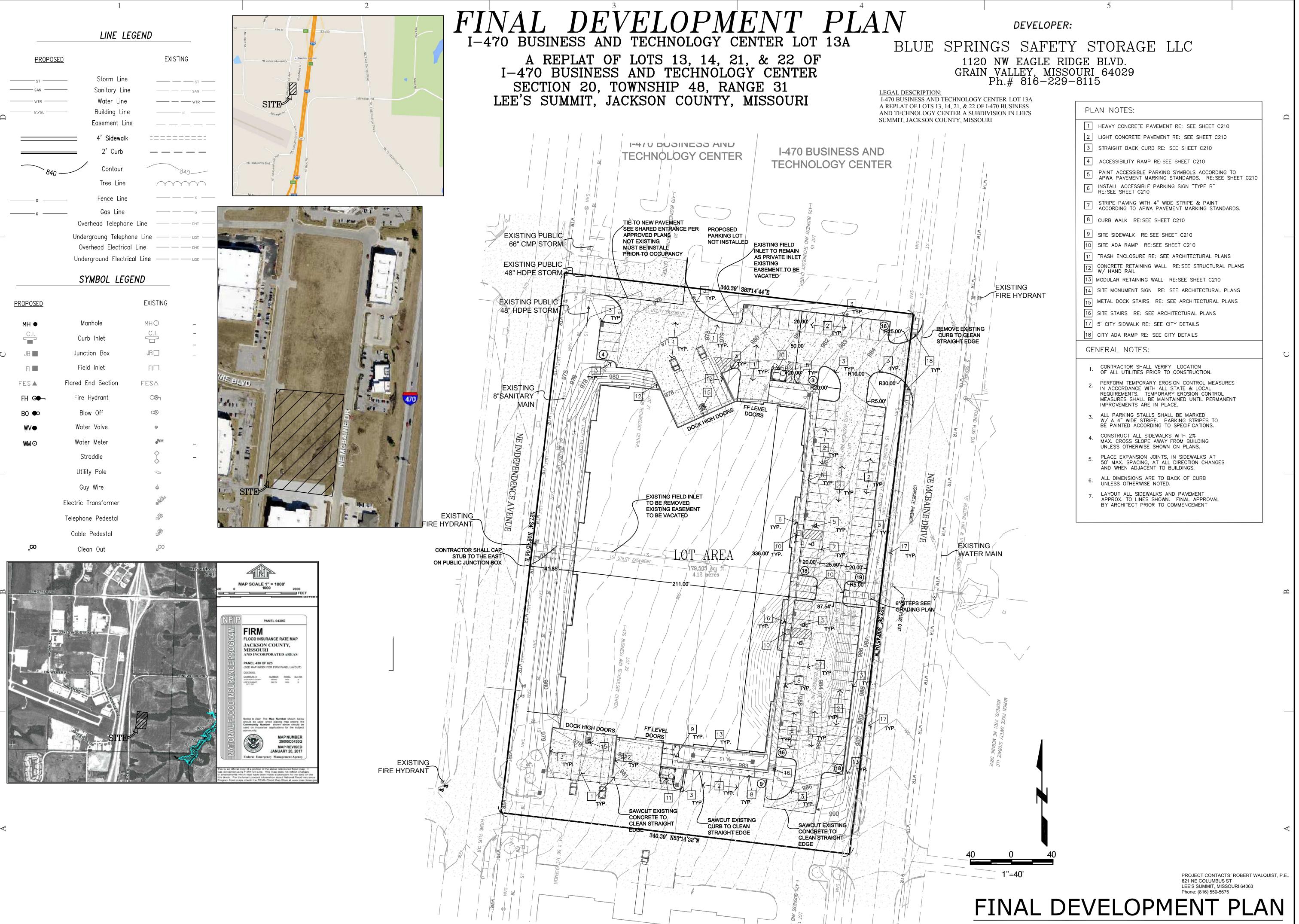
GRAIN VALLEY, MISSOURI 64029 Ph.# 816-229-8115



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Section 14.070. Installation of plant materials

Plant materials, as required by the provisions of this Article, shall be installed by the date specified on the approved landscaping and buffer plan. The Director may allow one (1) planting season in a twelve (12)-month period in which the installation of plant materials shall be completed.

Buffers, if required, shall be installed before a certificate of occupancy permit is granted; except where the weather is not suitable for planting and escrow provisions are made in accordance with guidelines of the Department.

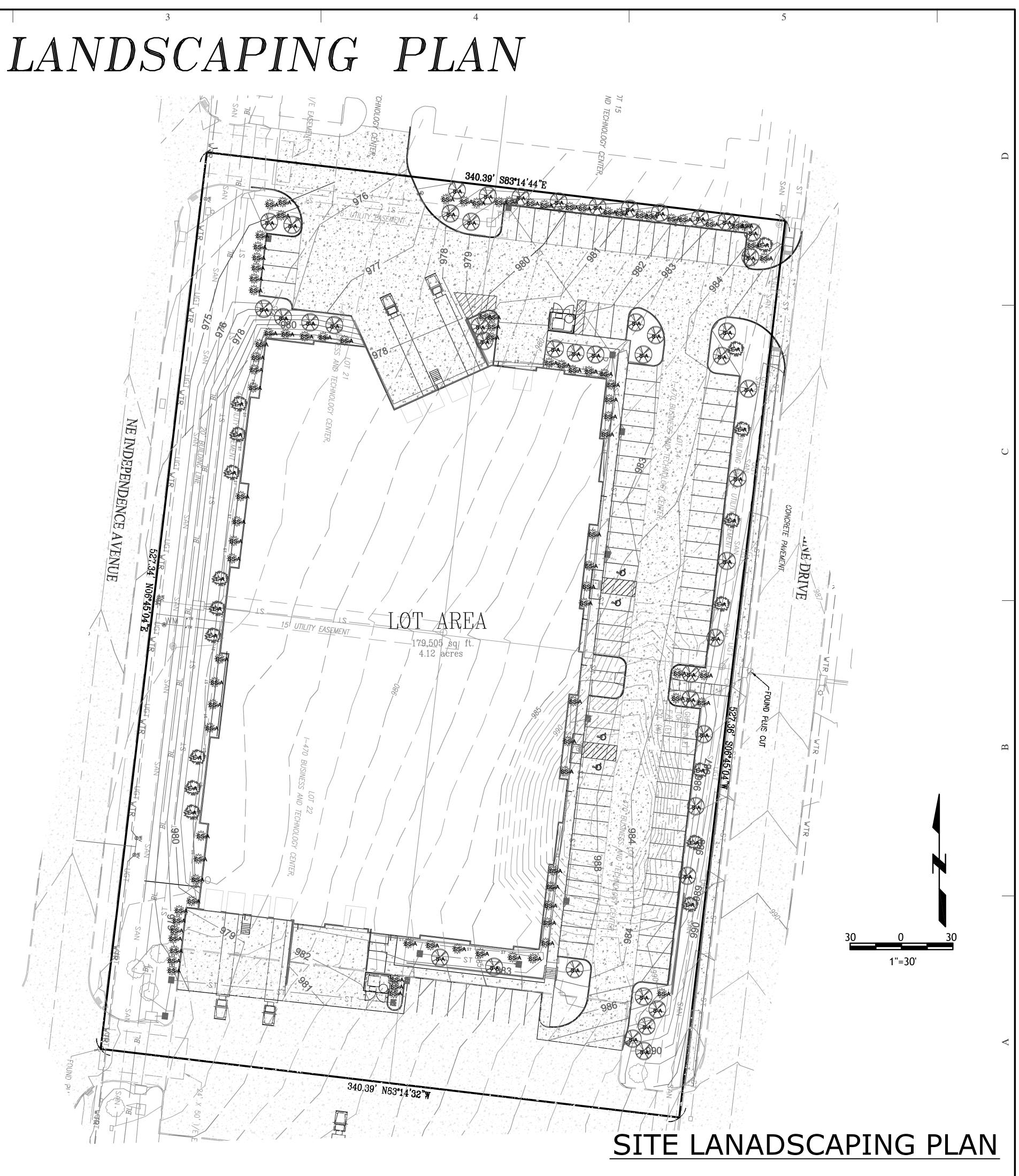
Section 14.080. Maintenance of required plant materials

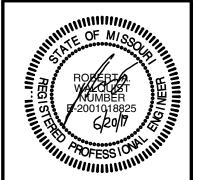
- A. The owner, tenant and their agent, if any, shall be jointly responsible for the maintenance in good condition of the plant materials used to meet the minimum requirements of this Article for landscaping, buffer or tree replanting. The plant materials shall be kept free from refuse and debris.
- B. Plants that are not in sound growing condition or are dead shall be removed and replaced with a plant of a species or variety as determined by the Director.
- C. Other landscape materials shall be maintained in proper repair and shall be kept clear of refuse and debris.
- 1. UDC SECTION 14. LANDSCAPING, BUFFERS AND TREE PROTECTION PLAN REQUIREMENTS
 - A. TREE PROTECTION: THIS SITE HAS NO TREES TO BE REMOVED. B. BUFFERS: WE HAVE SHOWN A 20' LANDSCAPING BUFFER ON ALL STREET FRONTAGE.
 - C. STREET TREES & SHRUBS: THIS SITE HAS A TOTAL OF 1,054 L.F. OF ROW FRONTAGE
 - 1. REQUIRED TREES 1,054 / 30 = 35 2. REQUIED SHRUBS 1,054 / 20 = 53
 - D. OPEN YARD AREA: (TOTAL REMAINING YARD AFTER FULL DEVLOPMENT = 57,442sf)
 - (TOTAL LOT AREA = 179,505sf)
 - 1. REQUIRED 1 TREES PER 5,000sf OF REMAINING YARD = 11 2. REQUIRED 2 SHRUBS PER 5,000sf OF REMAINING YARD = 58
 - TOTAL LANDSCAPING REQUIRED TREES = 46
 - SHRUBS = 111
 - E. PROPOSED TREES & SHRUBS:
 - 1. TREES ALONG THE ROW FRONTAGE = 18
 - 2. SHRUBS ALONG THE ROW FRONTAGE = 54
 - 3 OTHER PROPOSED TREES =28 4. OTHER PROPOSED SHRUBS =57

 - TOTAL TREES = 46 TOTAL SHRUBS =111

					.,
S-A	SA)	STATE STREET MAPLE	ACER MIYABEI	3" CAL.	46
S-B	(S-B)	PACIFIC SUNSET MAPLE	ACER TRUNCATUM 'PACIFICSUNSET'	3" CAL.	0
6-C	\$ 100 mm	AUTUMN BLAZE MAPLE	ACER X 'AUTUMN BLAZE'	3" CAL.	0
-D	(S-D)	SHAWNEE BRAVE BALD CYPRES	S TAXODIUM DISTICHUM 'SHAWNEE BRAVE	3" CAL.	0
6-E	S-E	VALLEY FORGE ELM	ULMUS AMERICANA 'VALLEY FORGE'	3" CAL.	0
6-F		SWAMP WHITE OAK	QUERCUS BICOLOR	3" CAL.	0 TOTAL PROPOSED =4 TOTAL REQUIRED = 4
<u>)RNAN</u>	MENTAL TREE	<u>:S</u>			
D-A	OA	ROYAL RAINDROPS CRABAPPLE	MALUS 'ROYAL RAINDROPS'	1.5" CAL.	0
О-В	Q-B	HOT WINGS MAPLE	ACER TATARICUM 'HOT WINGS'	1.5" CAL.	0
O-C	0 / C	IVORY SILK TREE LILAC	SYRINGA RETICULATA 'IVORY SILK'	1.5" CAL.	0
D-D		REDBUD	CERCIS CANADENSIS	1.5" CAL.	0
)-E		JUNE SNOW DOGWOOD	CORNUS CONTROVERSA 'JUNE SNOW'	1.5" CAL.	0
)-F		SPRING FLURRY SERVICEEBERR	Y AMELNCHIER LAEVIS 'SPRING FLURRY'	1.5" CAL.	0 TOTAL PROPOSED = 0 TOTAL REQUIRED = 0
EVERG	REEN TREES	S/ SHRUB			
E-A	E-A	NORWAY SPRUCE	PICEA ABIES	6' HT.	17
E-B	EGB A	CANAERTI JUNIPER	JUNIPERUS VIRGINIANA 'CANAERTI'	6' HT.	0
-C	**************************************	GREEN GIANT ARBORVIATAE	THUJA PLICATA 'GREEN GIANT'	6' HT.	0
TRUE S	SHRUBS				
SS-A	SS-A	BOX WOOD	BUXUS SEMPERVERENS	3GAL	94
					TOTAL PROPOSED =

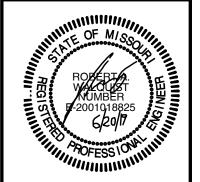
TOTAL PROPOSED = 117
TOTAL REQUIRED = 111

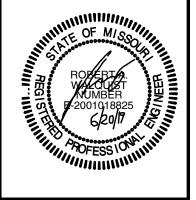




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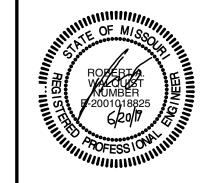


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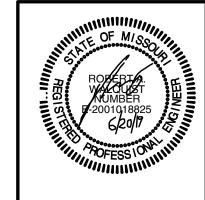
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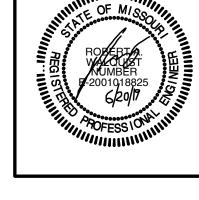


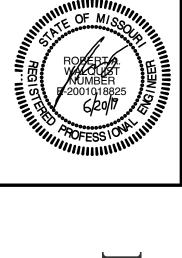


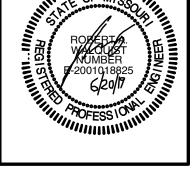




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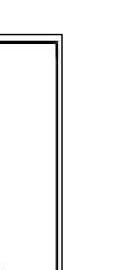


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IN PERMANENT STRUCTURES, CHECK DAMS SHOULD BE REMOVED WHEN A PERMANENT LINING CAN BE INSTALLED. IN THE CASE OF SWALE. THE AREA BENEATH THE CHECK DAMS SHOULD BE SEEDED AND MULCHED IMMEDIATELY AFTER THEY ARE REMOVED. THE USE OF FILTER CLOTH UNDERNEATH THE STONE WILL MAKE REMOVAL OF THE STONE EASIER.

ROCK CHECK DAM NOTES:

TOP OF THE DOWNSTREAM DAM.

C) INSPECTION AND MAINTENANCE:

D) REMOVAL OF PRACTICE:

A) CONSTRUCTION SPECIFICATIONS & INSTALLATION:

SHOULD BE MADE TO EXTEND THE STONE TO THE TOP OF CHANNEL BANKS.

THE DRAINAGE AREA OF THE DITCH OR SWALE BEING PROTECTED SHALL NOT EXCEED 2 ACRES WHEN A COARSE AGGREGATE IS USED

ALONE AND SHALL NOT EXCEED 10 ACRES WHEN A COMBINATION OF CLASS I RIPRAP AND COARSE AGGREGATE IS USED. AN EFFORT

2. THE MAXIMUM HEIGHT OF THE DAM SHALL BE 3 FEET. THE CENTER OF THE CHECK DAM IS AT THE SAME ELEVATION AS THE TOP OF THE

4. THE MAXIMUM SPACING BETWEEN THE DAMS SHOULD BE SUCH THAT THE TIGE OF THE UPSTREAM DAM IS AT THE SAME ELEVATION AS THE

5. STONE SHOULD BE PLACED ACCORDING TO THE CONFIGURATION TO THE LEFT. HAND OR MECHANICAL PLACEMENT WILL BE NECESSARY TO

ACHIEVE COMPLETE COVERAGE OF THE DITCH OR SWALE AND TO INSURE THAT THE CENTER OF THE DAM IS LOWER THAN THE EDGES.

6. GEOTEXTILE MAY BE USED UNDER THE STONE TO PROVIDE A STABLE FOUNDATION AND TO FACILITATE REMOVAL OF THE STONE.

UNLESS THEY ARE TO BE PERMINENT, CHECK DAMS MUST BE REMOVED WHEN THEIR USEFUL LIFE HAS BEEN COMPLETED. IN

TEMPORARY DITCHES AND SWALES, CHECK DAMS SHOULD BE REMOVED AND THE DITCH FILLED WHEN THEY ARE NO LONGER NEEDED.

GRASS-LINED DITCHES. CHECK DAMS SHOULD BE REMOVED WHEN THE GRASS HAS MATURED SUFFICIENTLY TO PROTECT THE DITCH OR

1. CHECK DAMS SHOULD BE CHECKED FOR SEDIMENT ACCUMULATION AFTER EACH STORM EVENT OF 1/2-INCH OR GREATER, SEDIMENT

2. REGULAR INSPECTIONS SHOULD BE MADE TO ENSURE THAT THE CENTER OF THE DAM IS LOWER THAN THE EDGES. EROSEON CAUSED BY

3. FOR ADDED STABILITY, THE BASE OF THE CHECK DAM CAN BE KEYED INTO THE SOIL APPROXIMATELY 6 INCHES.

SHOULD BE REMOVED WHEN IT REACHES ONE HALF OF THE ORIGINAL HEIGHT OF THE DAM.

HIGH FLOWS AROUND THE EDGES OF THE DAM SHOULD BE CORRECTED

SPACING BETWEEN CHECK DAMS SOURCE: MODIFIED FROM VA. DCR. 1992

TEMPORARY SEDIMENT TRAP

ROCK CHECK DAM (OPTIONAL) -ROCK CHECK DAM 2 ACRES OR LESS OF DRAINAGE AREA 3-TO 6-INCH COARSE AGGREGATE -(SIDE VIEW) NOT TO SCALE 2-10 ACRES OF DRAINAGE AREA

NOT TO SCALE COARSE AGGREGATE

1. THE DIVERSION SHALL BE INSTALLED AS SOON AS THE RIGHT-OF-WAY HAS BEEN CLEARED AND/OR GRADED.

2. ALL EARTHEN DIVERSIONS SHALL BE MACHINE- OR HAND-COMPACTED IN 8-INCH LIFTS.

1. THE DIVERSION SHALL BE CONSTRUCTED AT THE TOP OF THE FILL AT THE

2. THE DIVERSION SHALL BE LOCATED AT LEAST 2 FEET INSIDE THE TOP

ALONG ITS ENTIRE LENGTH. WITHOUT UNIFORM HEIGHT, THE FILL

3. THE SUPPORTING RIDGE SHALL BE CONSTRUCTED WITH A UNIFORM HEIGHT

3. THE OUTLET OF THE DIVERSION SHALL BE LOCATED IN AN UNDISTURBED AND STABILIZED AREA WHEN AT ALL POSSIBLE. THE FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED OUTLET.

4. EARTHENED DIVERSIONS WHICH WILL NOT BE SUBJECT TO CONSTRUCTION TRAFFIC SHOULD BE STABLIZED IN ACCORDANCE WITH TEMPORARY SEEDING.

DIVERSION DETAIL NOTES:

TEMPORARY FILL DIVERSION NOTES:

DIVERSION MAY BE SUSCEPTIBLE TO BREACHING.

RIGHT-OF-WAY DIVERSION DETAIL NOTES:

END OF EACH WORK DAY AS NEEDED.

EDGE OF THE FILL

1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE DIVERSION.

2. THE DIVERSION SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS-SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN, FREE OF IRREGULARITIES WHICH WILL IMPEDE FLOW.

FILLS SHALL BE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETED DIVERSION, FILL SHALL BE COMPOSED OF SOIL WHICH IS FREE FROM EXCESSIVE ORGANIC DEBRIS, ROCKS, OR OTHER OBJECTIONABLE MATERIALS.

4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE

5. PERMANENT STABILIZATION OF DISTURBED AREAS SHALL BE DONE IN ACCORDANCE WITH SECTION 2151.

TEMPORARY DIVERSION DIKES MUST BE INSTALLED AS A FIRST STEP IN THE LAND-DISTURBING ACTIVITY AND MUST BE FUNCTIONAL PRIOR TO UPSLOPE LAND

2. THE DIKE SHOULD BE ADEQUATELY COMPACTED TO PREVENT FAILURE.

TEMPORARY DIVERSION DIKE NOTES:

TEMPORARY RIGHT-OF-WAY DIVERSIONS

TEMPORARY FILL DIVERSION

TYPICAL GRAVEL STRUCTURE

COMPACTED SOIL

AGGREGATE

DISTURBANCE.

DIVERSIONS

TEMPORARY DIVERSION DIKE

TYPICAL PARABOLIC DIVERSION

TYPICAL TRAPEZOIDAL DIVERSION

TYPICAL VEE-SHAPED DIVERSION

10% SETTLEMENT-

0.3' FREE BOARD

DESIGN FLOW DEPTH -

10X SETTLEMENT-

0.3' FREE BOARD

DESIGN FLOW DEPTH-

10% SETTLEMENT

0.3 FREE 80ARD -

DESIGN FLOW DEPTH ---

SOURCE: MODIFIED FROM VA. DCR, 1992

SOURCE: MODIFIED FROM VA. DER, 1992

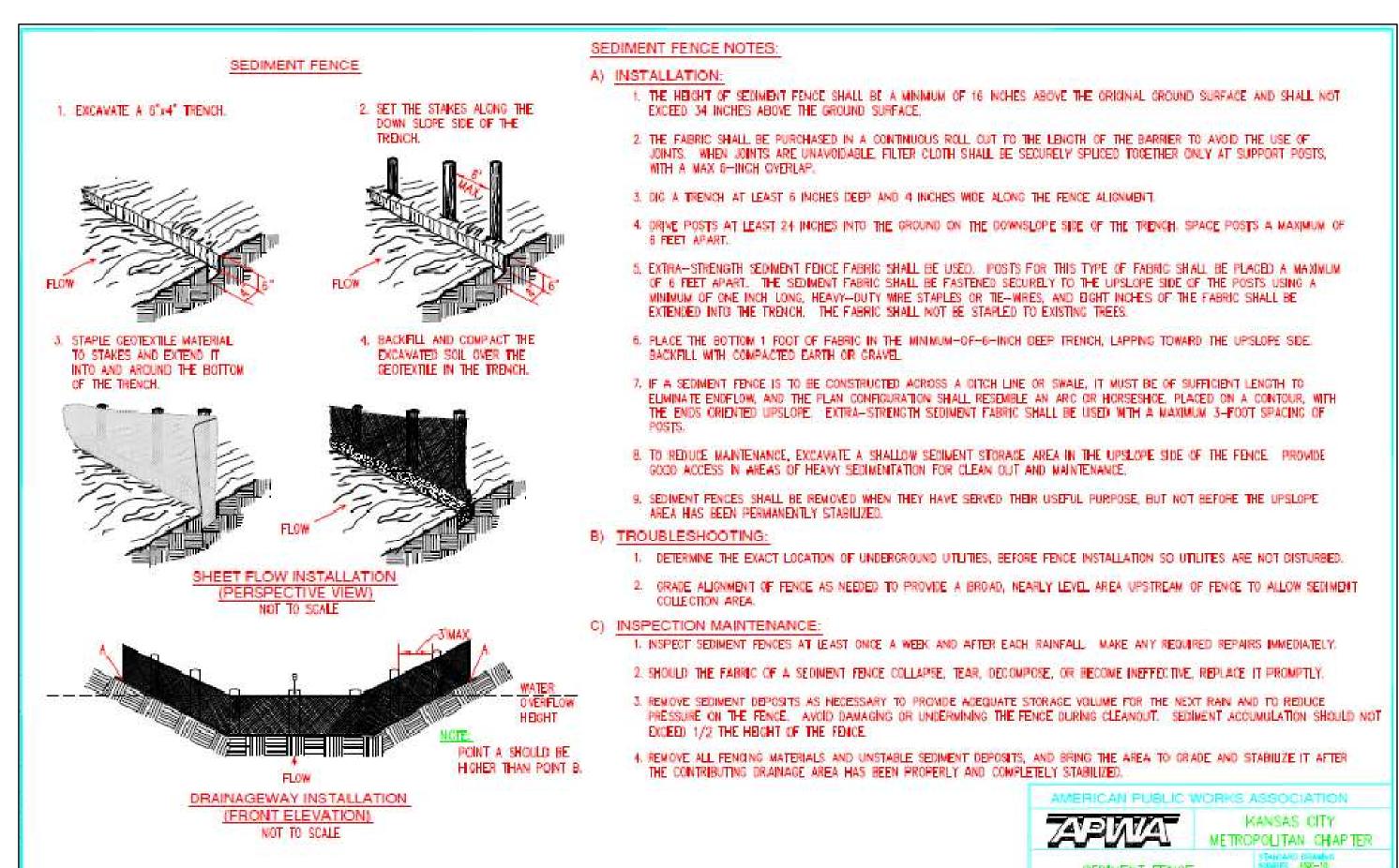
COMPACTED SOIL

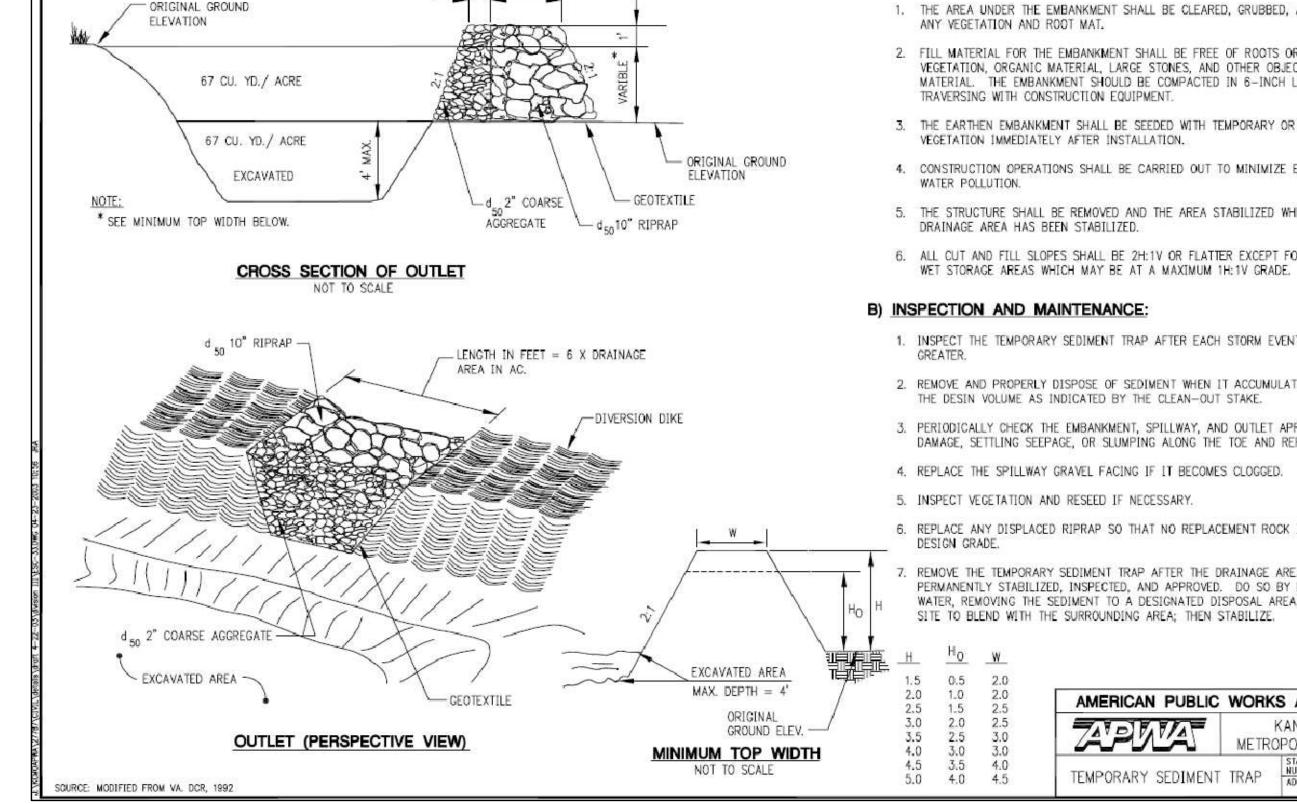
3. TEMPORARY OR PERMANENT SEEDING AND MULCH SHALL BE APPLIED TO THE DIKE IMMEDIATELY FOLLOWING ITS CONSTRUCTION.

TYPICAL EARTHEN STRUCTURE

4. THE DIKE SHOULD BE LOCATED TO MINIMIZE DAMAGES BY CONSTRUCTION OPERATIONS AND TRAFFIC.

AMERICAN PUBLIC WORKS ASSOCIATION KANISAS CITY METROPOLITAN CHAPTER STAJICARD DRAWING NUMBER ESC-29 ADDFTED: DIVERSIONS





TEMPORARY SEDIMENT TRAP NOTES: A) CONSTRUCTION SPECIFICATIONS:

1. THE AREA UNDER THE EMBANKMENT SHALL BE CLEARED, GRUBBED, AND STRIPPED OF ANY VEGETATION AND ROOT MAT.

ROCK CHECK DAM

AMERICAN PUBLIC WORKS ASSOCIATION

KAINSAS CITY METROPOLITAN CHAPTER

2. FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS OR OTHER WOODY VEGETATION, ORGANIC MATERIAL, LARGE STONES, AND OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHOULD BE COMPACTED IN 6-INCH LAYERS BY TRAVERSING WITH CONSTRUCTION EQUIPMENT.

3. THE EARTHEN EMBANKMENT SHALL BE SEEDED WITH TEMPORARY OR PERMANENT VEGETATION IMMEDIATELY AFTER INSTALLATION.

4. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT TO MINIMIZE EROSION AND

WATER POLLUTION. 5. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE UPSLOPE

DRAINAGE AREA HAS BEEN STABILIZED. ALL CUT AND FILL SLOPES SHALL BE 2H:1V OR FLATTER EXCEPT FOR EXCAVATED.

B) INSPECTION AND MAINTENANCE:

1. INSPECT THE TEMPORARY SEDIMENT TRAP AFTER EACH STORM EVENT OF 1/2-INCH OR

2. REMOVE AND PROPERLY DISPOSE OF SEDIMENT WHEN IT ACCUMULATES TO ONE-HALF THE DESIN VOLUME AS INDICATED BY THE CLEAN-OUT STAKE.

3. PERIODICALLY CHECK THE EMBANKMENT, SPILLWAY, AND OUTLET APRON FOR EROSION DAMAGE, SETTLING SEEPAGE, OR SLUMPING ALONG THE TOE AND REPAIR IMMEDIATELY.

REPLACE THE SPILLWAY GRAVEL FACING IF IT BECOMES CLOGGED.

6. REPLACE ANY DISPLACED RIPRAP SO THAT NO REPLACEMENT ROCK IS ABOVE THE DESIGN GRADE.

REMOVE THE TEMPORARY SEDIMENT TRAP AFTER THE DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED, INSPECTED, AND APPROVED. DO SO BY DRAINING ANY WATER, REMOVING THE SEDIMENT TO A DESIGNATED DISPOSAL AREA, AND GRADING THE SITE TO BLEND WITH THE SURROUNDING AREA; THEN STABILIZE.

> 0.5 2.0 1.0 2.0 AMERICAN PUBLIC WORKS ASSOCIATION 1.5 2.5 2.0 2.5 METROPOLITAN CHAPTER

TEMPORARY SEDIMENT TRAP NUMBER ESC-33 SITE ESC DETAILS

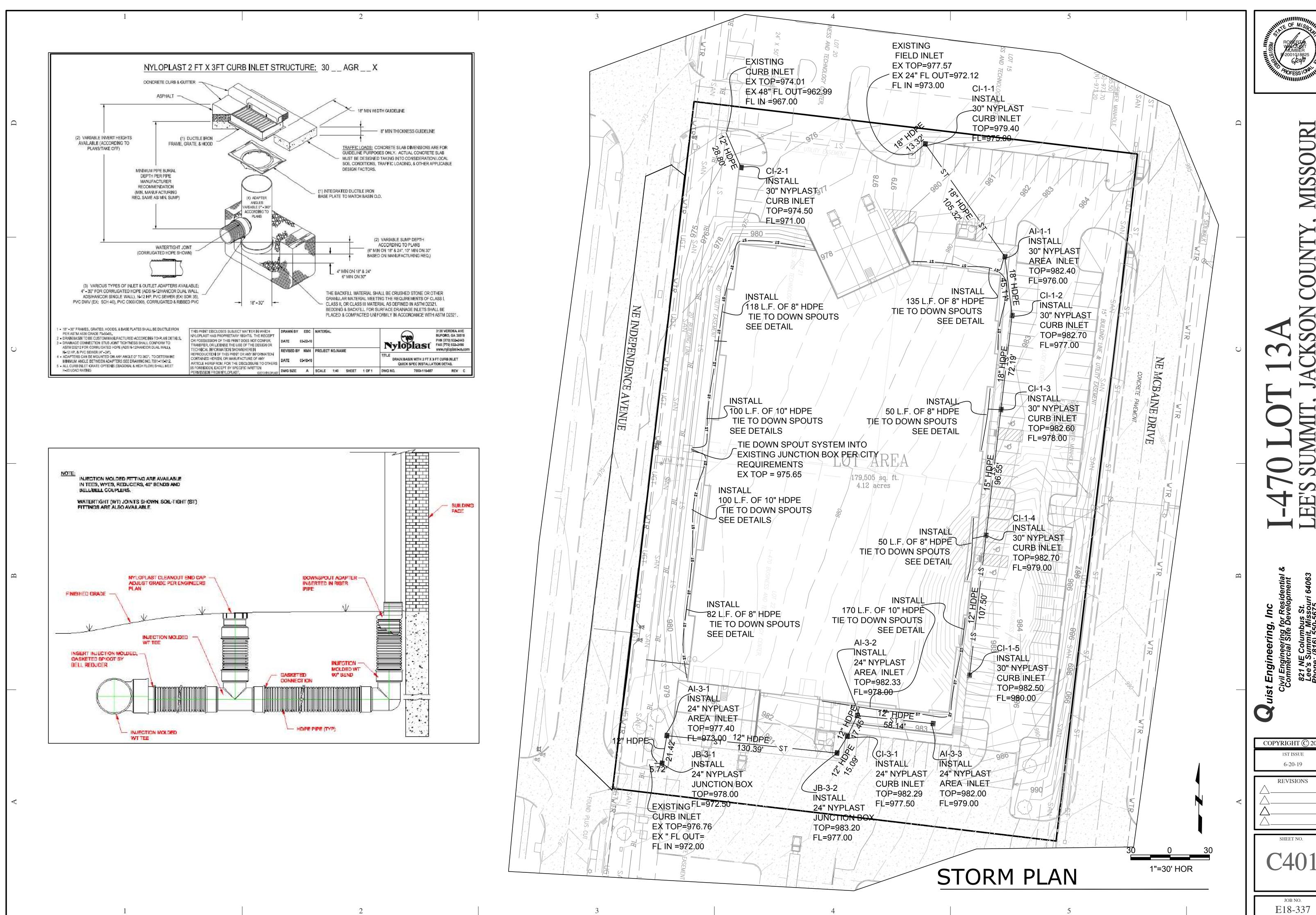


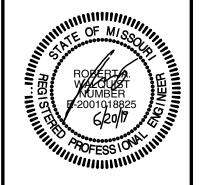
st Engineering, Ir Civil Engineering for F Commercial Site Dev

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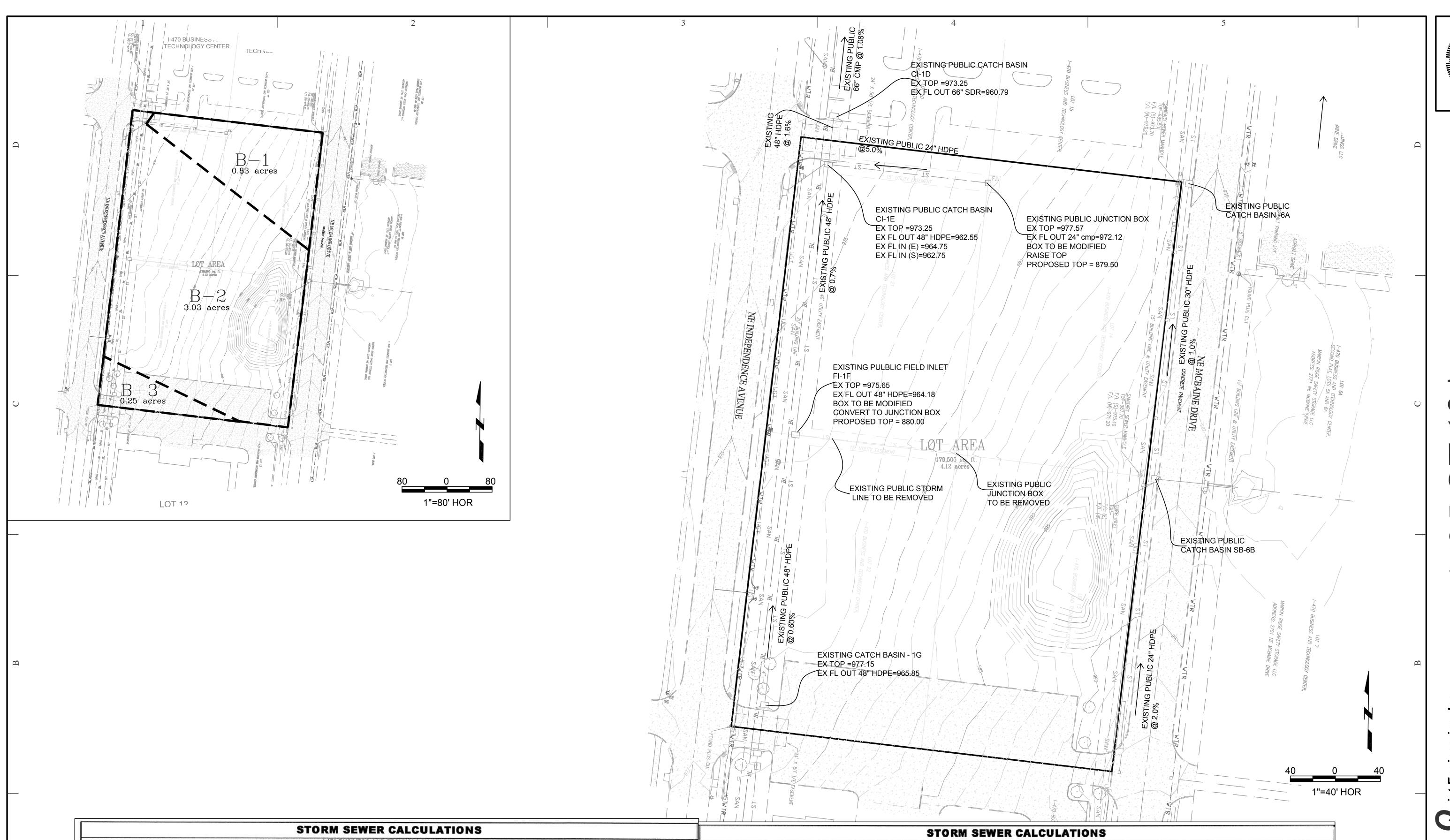


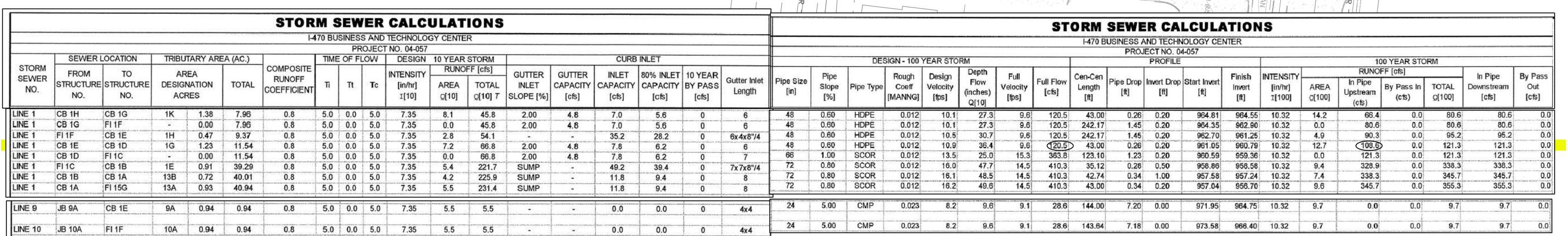




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SHEET NO.





PUBLIC STORM IMPROVEMENT PLAN

A SOFESSION THE THE PARTY OF THE STATE OF TH

I-470 LOT 13A

Civil Engineering, Inc Civil Engineering for Residenti Commercial Site Developmen 821 NE Columbus St. Lee's Summit, Missouri 640

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1ST ISSUE
6-20-19

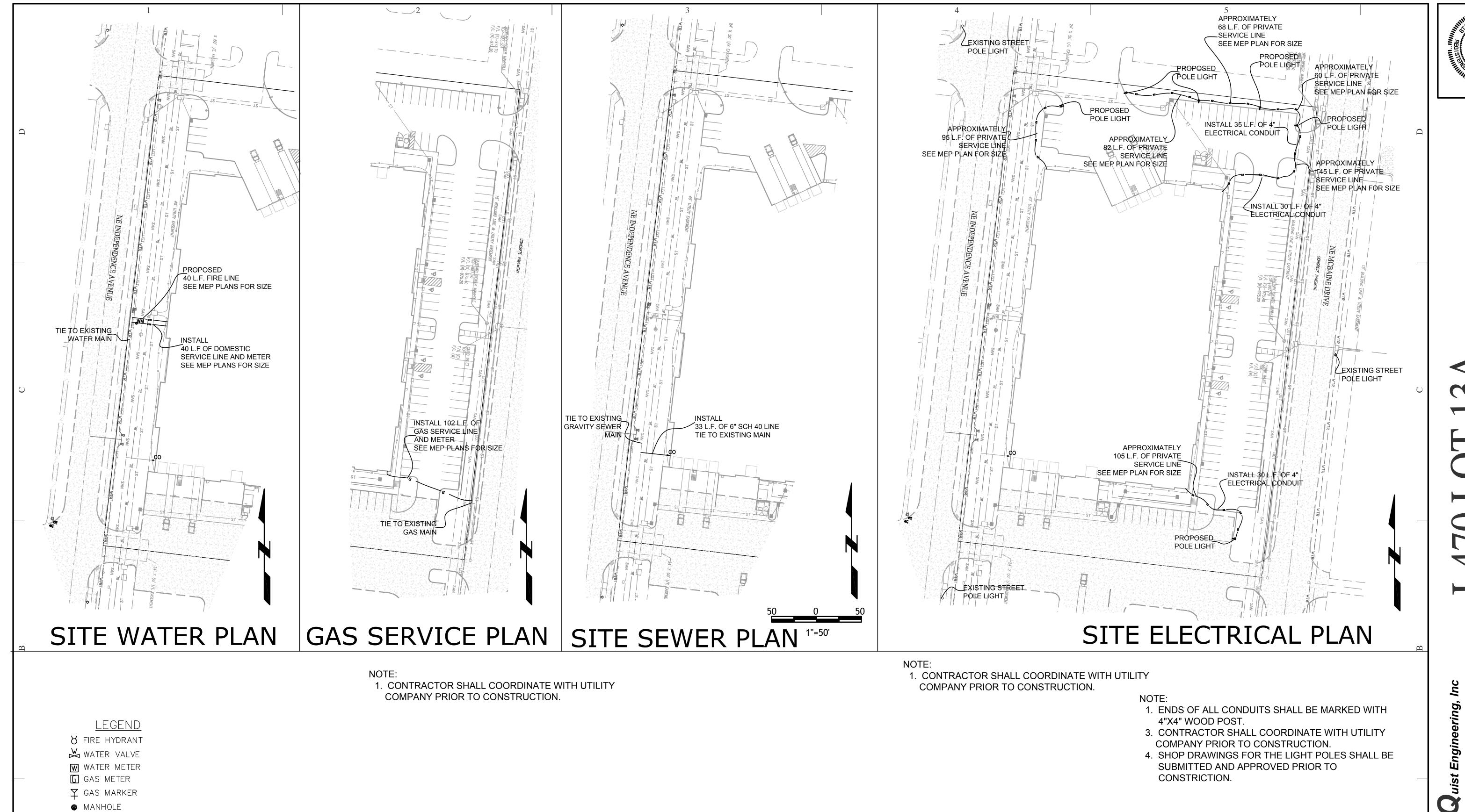
REVISIONS

A

SHEET NO.

C402

јов NO. E18-337



→ STREET LIGHT

☆ YARD LIGHT

A CABLE TV PEDESTAL

-D- POWER POLE W/TEL.

M ELETRICAL PULL BOX

A ELETRICAL PULL BOX

TRAFFIC SIGN

POWER POLE W/STREET LIGHT

T TELEPHONE BOX

-D- POWER POLE

ELECTRIC TRANSFORMER

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SITE UTILITY PLAN