# I-470 BUSINESS & TECHNOLOGY CENTER, LOT 7 AUGUST 31, 2022 ISSUED FOR PERMIT

### **GENERAL NOTES:**

- 1. THE CONTRACTOR SHALL SECURE AND PAY FOR GOVERNMENT LICENSES, INSPECTIONS, TESTING, TEMPORARY UTILITIES AND PERMITS AS REQUIRED BY THE CONSTRUCTION DOCUMENTS AND/OR REGULATORY BODY HAVING
- 2. CONTRACTORS SHALL VISIT THE SITE WHILE BIDDING AND SHALL FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND THE REQUIREMENTS OF THE PROJECT AND CONSTRUCTION DOCUMENTS PRIOR TO DEVELOPING THEIR BID, FABRICATION / CONSTRUCTION, AND PURCHASING. MATERIAL QUANTITIES SHALL BE BASED ON ACTUAL FIELD CONDITIONS AND MEASUREMENTS. DO NOT RELY ON SCALING DRAWINGS FOR ACCURATE DIMENSIONS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT OR OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES, CONFLICTS OR OMISSIONS DISCOVERED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTIONS AND/OR REPAIRS REQUIRED FOR FAILING TO DO SO.
- 3. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL CONSTRUCTION DOCUMENTS TO THEIR SUBCONTRACTORS AS REQUIRED FOR THEM TO DEVELOP A COMPLETE BID FOR THEIR WORK AND TO HAVE A COMPLETE UNDERSTANDING OF COORDINATION NEEDED WITH OTHER SUBCONTRACTORS FOR RELATED HIDDEN OR EXPOSED WORK TO ENSURE EFFICIENT AND ORDERLY INSTALLATION.
- 4. THE ARCHITECT ASSUMES NO LIABILITY FOR THE SERVICES AND/OR CONSTRUCTION DOCUMENTS OF DESIGN SUB-CONSULTANTS COMPILED INTO THE SET OF DOCUMENTS ISSUED BY THE ARCHITECT. THESE DESIGN SERVICES MAY INCLUDE, BUT ARE NOT LIMITED TO, CIVIL, LANDSCAPE, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL. PRE-ENGINEERED METAL BUILDING DESIGN. TILT-UP DESIGN. TRUSS SYSTEM DESIGN. AUTOMATIC FIRE SPRINKLER AND/OR ALARM SYSTEMS, LOW-VOLTAGE ELECTRICAL TELECOMMUNICATION AND SECURITY SYSTEMS AND GUTTER / DOWNSPOUT DESIGN.
- 5. UNLESS SPECIFICALLY NOTED OTHERWISE, THE CONTRACTOR SHALL PROVIDE AND PAY FOR LABOR, MATERIALS, EQUIPMENT, MACHINERY, SCAFFOLDING, SHORING, TOOLS, LAYOUT, ON-SITE DIMENSIONING, TRANSPORTATION, UTILITIES, AND OTHER FACILITIES AND SERVICES NECESSARY FOR PROPER EXECUTION AND COMPLETION OF THE WORK AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS. THIS SHALL ALSO INCLUDE NECESSARY CUTTING, PATCHING AND REPAIRING OF EXISTING CONSTRUCTION MATERIALS IN PLACE. ALL WORK AND MATERIAL SHALL COMPLY WITH THE APPLICABLE GOVERNING CODES LISTED.
- 6. WHERE DETAILS AND DESIGN INTENT ARE NOT CLEAR, THE CONTRACTOR SHALL CONSULT THE ARCHITECT FOR CLARIFICATION PRIOR TO PROCEEDING WITH THE WORK.
- 7. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR STRUCTURAL MODIFICATIONS, INSTALLATIONS AND ERECTION.
- 8. CONTRACTORS SHALL TAKE CARE TO PROTECT ADJACENT AREAS FROM DUST AND DAMAGE DURING THE CONSTRUCTION PROCESS AND SHALL CLEAN UP AFTER THEMSELVES AT THE END OF EACH WORKING DAY. ANY DAMAGE DONE TO ADJACENT AREAS MUST BE REPAIRED TO MATCH ORIGINAL CONDITIONS OR TO THE OWNER'S SATISFACTION. REPAIRS ARE TO BE PAID FOR BY THE CONTRACTOR RESPONSIBLE.
- 9. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY ADDITIONAL WORK OR REVISIONS REQUIRED DUE TO SITE CONDITIONS OR ADDITIONAL REQUIREMENTS OF ANY REGULATORY BODIES HAVING AUTHORITY.
- 10. FOR THE DURATION OF THE PROJECT AND AT ALL TIMES OF EACH DAY, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE CONDITIONS, SECURITY AND SAFETY FOR WORKERS AND THE GENERAL PUBLIC, AS
- 11. THE GENERAL CONTRACTOR SHALL PURCHASE AND MAINTAIN INSURANCE COVERAGE IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER. VERIFY AND COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR ANY
- 12. THE OWNER OR THE OWNER'S SUBCONTRACTORS MAY OCCUPY PORTIONS OF THE PROJECT DURING THE FINAL STAGE OF CONSTRUCTION. COORDINATE AND COOPERATE WITH THE OWNER TO MINIMIZE CONFLICT AND
- 13. THE CONTRACTOR SHALL PROVIDE SECURITY OF THE WORK, INCLUDING TOOLS AND UNINSTALLED MATERIALS. PROTECT THE WORK, STORED PRODUCTS, CONSTRUCTION EQUIPMENT, AND OWNER'S PROPERTY FROM THEFT AND VANDALISM, AND PROTECT THE PREMISES FROM ENTRY BY UNAUTHORIZED PERSONNEL UNTIL FINAL ACCEPTANCE BY THE OWNER.
- 14. CONTRACTOR SHALL COORDINATE STAGING AREAS AS REQUIRED BY THE LANDLORD / OWNER.
- 15. THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL EXISTING UTILITIES.

REQUIRED BY THE REGULATORY BODY HAVING AUTHORITY.

- 16. THE STRUCTURAL ENGINEER AND ARCHITECT MUST BE NOTIFIED AND MUST GIVE APPROVAL PRIOR TO ANY STRUCTURAL MEMBER(S) BEING CUT OR MODIFIED TO ACCOMMODATE THE INSTALLATION OF ANY PIPES, DUCTS OR
- 17. THE STRUCTURAL ENGINEER AND ARCHITECT MUST BE NOTIFIED AND MUST GIVE APPROVAL PRIOR TO ANY MODIFICATION TO THE ROOF SYSTEM OR ADDING ANY ADDITIONAL ROOF-MOUNTED EQUIPMENT.

### **CONSTRUCTION NOTES:**

- 1. PERFORM ALL WORK IN ACCORDANCE WITH ACCEPTABLE TRADE PRACTICE TO ENSURE THE HIGHEST QUALITY FINISHED PRODUCT - EXPRESSED OR IMPLIED. PERFORM ALL WORK BY SKILLED MECHANICS IN ACCORDANCE WITH ESTABLISHED STANDARDS OF WORKMANSHIP IN EACH OF THE VARIOUS TRADES.
- 2. WHEN THE PROJECT REQUIREMENTS REQUIRE THAT THE INSTALLATION OF WORK SHALL COMPLY WITH MANUFACTURER'S INSTRUCTIONS, PERFORM THE WORK IN STRICT ACCORDANCE WITH THE MOST CURRENT WRITTEN MANUFACTURER'S INSTRUCTIONS.
- 3. ALL PRODUCTS AND EQUIPMENT SHALL BE DELIVERED IN UNDAMAGED CONDITION AND STORED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS TO AVOID DISRUPTION OF THE WORK OR DAMAGE TO THE ITEMS. REPLACE DAMAGED OR UNFIT MATERIALS, AT NO COST TO THE OWNER.
- 4. COORDINATE BLOCKING REQUIREMENTS WITH ADJACENT OR RELATED TRADES, ACCESSORIES, EQUIPMENT AND FIXTURES. INSTALL REQUIRED BLOCKING AT NO ADDITIONAL COST TO THE CONTRACT.
- 5. ALL WEATHER-EXPOSED SURFACES SHALL HAVE A WEATHER-RESISTIVE BARRIER. EXTERIOR OPENINGS SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WATERPROOF.
- 6. REPAIR PROPERTY DAMAGE BY THE INSTALLERS TO A LIKE NEW CONDITION, OR REPLACE DAMAGED SURFACES
- AND MATERIALS OF THE PREVIOUSLY INSTALLED WORK BY OTHER TRADES, INSTALLERS, AND SUBCONTRACTORS. 7. ALLOWABLE TOLERANCES - UNLESS OTHERWISE NOTED OR INDICATED, THE FOLLOWING TOLERANCES SHALL
- g. ALL VERTICAL SURFACES SHALL BE PLUMB OR CONSTRUCTED TO THE EXACT SLOPES OR ANGLES INDICATED.
- h. ALL HORIZONTAL SURFACES SHALL BE LEVEL OR CONSTRUCTED TO THE EXACT ANGLE INDICATED OR
- i. WALL AND SOFFIT INTERSECTIONS SHALL BE 90° OR THE EXACT ANGLE INDICATED OR INTENDED. j. ALL CORNERS AND EDGES SHALL BE STRAIGHT AND TRUE WITHOUT DENTS, WAVES, BULGES OR OTHER
- k. ALL JOINTS SHALL BE TIGHT, STRAIGHT, EVEN, AND SMOOTH.
- I. ALL OPERABLE ITEMS SHALL OPERATE SMOOTHLY WITHOUT STICKING OR BINDING AND WITHOUT EXCESSIVE
- 8. THE CONTRACTOR SHALL NOTIFY THE OWNER WHEN THE WORK IS SUBSTANTIALLY COMPLETE AND READY FOR INSPECTION. UPON INSPECTION, PROVIDE WRITTEN OPERATION AND MAINTENANCE INSTRUCTIONS AND GUARANTEES FOR ALL EQUIPMENT AND MATERIALS INSTALLED. PROVIDE WRITTEN GUARANTEES FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK.

### DISCLAIMER:

THESE DRAWINGS ARE CONSIDERED A "BUILDER'S SET", AND BY BEGINNING CONSTRUCTION, THE CONTRACTOR GUARANTEES TO THE ARCHITECT, THAT THE CONTRACTOR HAS THE COMPETENCE AND SKILL IN CONSTRUCTION NECESSARY TO BUILD THE PROJECT WITH THESE DRAWINGS. THE CONTRACTOR WILL BE REQUIRED TO ADAPT THE DRAWINGS TO ACTUAL FIELD CONDITIONS AND MAKE LOGICAL ADJUSTMENTS IN FIT, FORM, DIMENSION AND QUANTITY. IN THE EVENT ADDITIONAL DETAIL OR GUIDANCE IS NEEDED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT. FAILURE TO GIVE NOTICE SHALL RELIEVE THE ARCHITECT OF RESPONSIBILITY FOR ANY RESULTANT EXPENSES, REPAIRS OR ADDITIONAL WORK. IT IS UNDERSTOOD AND AGREED THAT IF THE ARCHITECT IS NOT HIRED TO DO CONSTRUCTION OBSERVATION OR ANY OTHER CONSTRUCTION PHASE SERVICES, THAT THE ARCHITECT IS NOT LIABLE FOR ANY CLAIMS THAT MAY BE IN ANY WAY CONNECTED THERETO.

H5 VICINITY MAP

### SHEET INDEX

- C100 CIVIL PLANS COVER SHEET C200 FINAL DEVELOPMENT PLAN
- C201 SITE LANDSCAPING PLAN
- C210 SITE DETAILS
- C300 SITE GRADING PLAN
- C301 SITE ESC PHASE 1 AND 2 PLAN
- C302 SITE ESC DETAILS
- C400 PUBLIC STORM IMPROVEMENT PLAN
- C401 SITE STORM DRAINAGE PLAN AND CALCULATIONS
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- A-001 LIFE SAFETY PLAN AND CODE INFORMATION
- A-002 DOOR, WINDOW, & FINISH SCHEDULES AND TYP. DETAILS A-100 OVERALL MAIN LEVEL PLAN, ENCLOSURE DETAILS
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- A-300 WALL SECTIONS AND PLAN DETAIL
- A-410 CEILING PLAN SOUTH A-411 CEILING PLAN - NORTH

S0.0 NOTES AND DETAILS S1.0 FOUNDATION PLAN

**MECHANICAL / PLUMBING:** MP-001 MECHANICAL AND PLUMBING SPECIFICATIONS AND SYMBOLS

MP-002 MECHANICAL AND PLUMBING SCHEDULES AND DETAILS

MECHANICAL:

M-101 MECHANICAL PLAN

E-001 ELECTRICAL SPECIFICATIONS AND SYMBOLS

- E-002 PHOTOMETRIC PLAN E-003 PHOTOMETRIC PLAN
- E-101 ELECTRICAL PLAN E-201 ELECTRICAL EQUIPMENT POWER PLAN
- E-301 ELECTRICAL SCHEDULES AND DIAGRAMS
- E-302 ELECTRICAL SCHEDULES

IIDWEST ARCHITECTS 120 NW Eagle Ridge Blvd Grain Valley, Missouri 64029

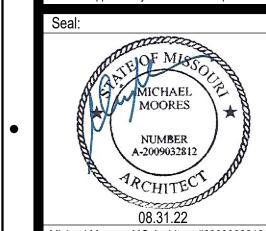
120 NW Eagle Ridge Blvd. Grain Valley, Missouri 64029 t: (816) 229-8115

Civil Engineering 821 NE Columbus St. Lee's Summit, Missouri 6406

Structural Engineeri Structura Logica 18901 E. 299th Street Harrisonville, MO 6470

MEP Engineering JSC Engineers 1925 Central Street, Suite 201 Kansas City, MO 64108 t: (816) 272-5289

evisions to technical submissions which are i made or approved by the licensee are prohibite



Michael Moores, MO Architect #2009032812

roject Number: Project Type: NEW CONSTRUCTION

Project Name and Address:

CENTER, H H B&T

2

ssued for Permit

Sheet Title:

COVER SHEE

- 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 performed.
- 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.

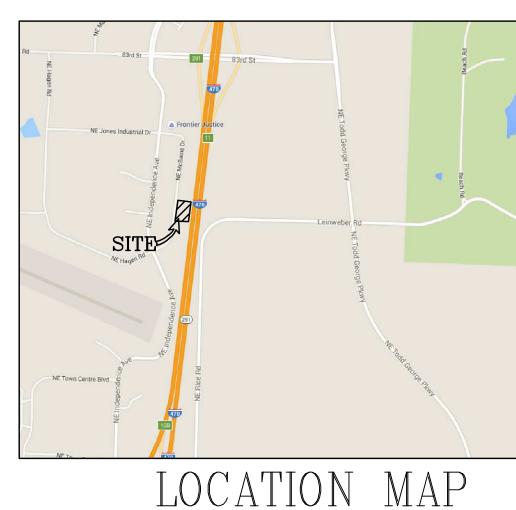
### STREETS & STORM SEWER

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

## CIVIL PLANS FOR LOT 7 OF

I-470 BUSINESS AND TECHNOLOGY CENTER SECTION 20, TOWNSHIP 48, RANGE 31

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI





SITE DETAIL SHEET SITE GRADING PLAN & ESC PLAN

SHEET INDEX

SITE ESC DETAILS

PRIVATE STORM IMPROVENT PLAN STORM DRAINAGE PLAN & CALCULATIONS

PRIVATE STORM LINE 1 AND 2 STORM DETAILS UTILITY PLAN

> SITE DATA TABLE: 1. NO IMPROVEMENTS ARE PROPOSED WITH THESE PLANS

LEGAL DESCRIPTION:

LOT 7 OF "I-470 BUSINESS AND TECHNOLOGY CENTER

LOTS 1 THRU 22 AND TRACTS A AND B" A SUBDIVISION

IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

**DEVELOPER:** 

BLUE SPRINGS SAFETY STORAGE LLC

1120 NW EAGLE RIDGE BLVD. GRAIN VALLEY, MISSOURI 64029 Ph.# 816-229-8115

> 1. CONTRACTOR SHALL CONTACT THE CITY'S DEVELOPMENT SERVICES ENGINEERING INSPECTORS 48 HOUR PRIOR TO ANY LAND DISTURBANCE WORK. CALL (816)969-1200



### UTILITIES

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

REGIONAL BMP DETENTION BASIN

Municipal

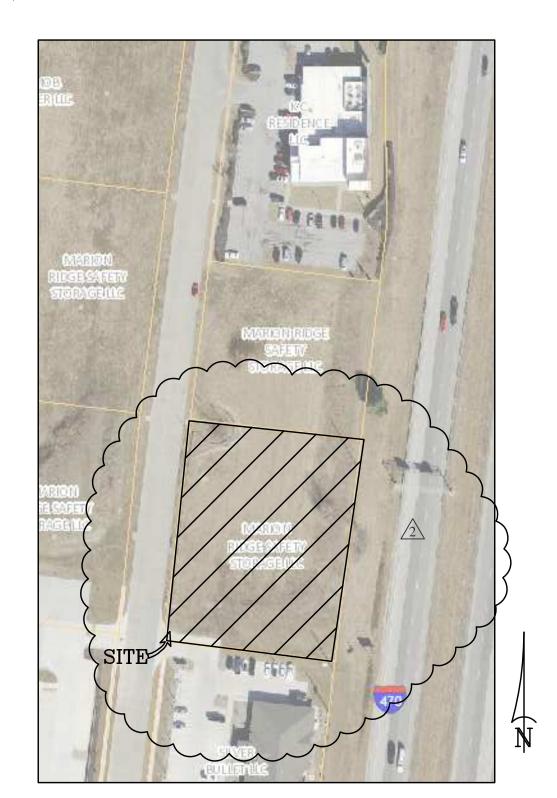
KANSAS CITY POWER & LIGHT CO. P.O. BOX 219330 KANSAS CITY, MO 64121-9330 (816) 471-5275

MISSOURI ONE-CALL

MO GAS ENERGY P.O. BOX 219255 KANSAS CITY, MO 64141 (816) 756-5252

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

1-800-344-7483



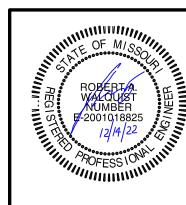
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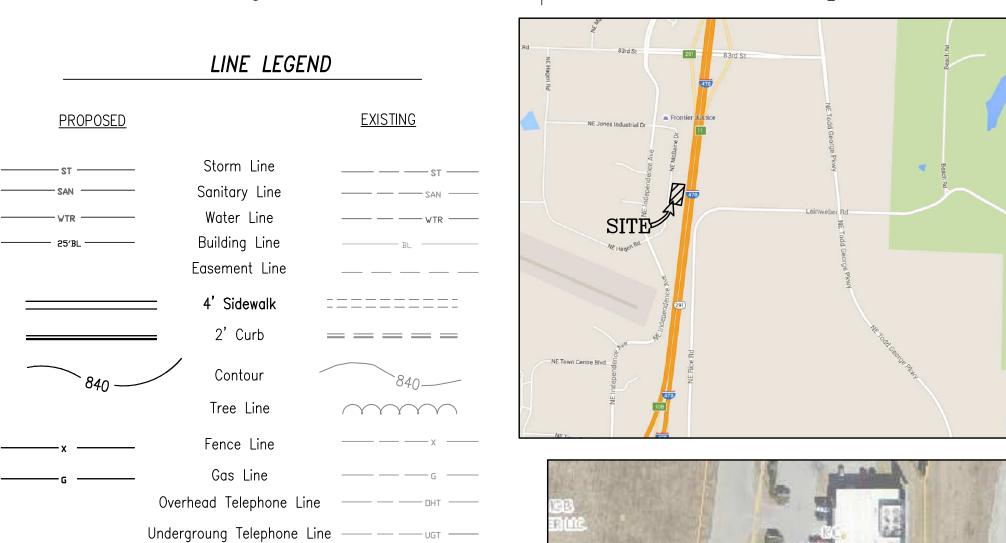


PROJECT CONTACTS: ROBERT WALQUIST, P.E., 821 NE COLUMBUS ST LEE'S SUMMIT, MISSOURI 64063 Phone: (816) 550-5675

CIVIL PLANS COVER SHEET



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<u>EXISTING</u>

JB 🗆

FI□

FESΔ

SYMBOL LEGEND

Curb Inlet

Junction Box

Field Inlet

Flared End Section

Fire Hydrant

Blow Off

Water Valve

Water Meter

Guy Wire

Electric Transformer

Telephone Pedestal

Cable Pedestal

<u>PROPOSED</u>

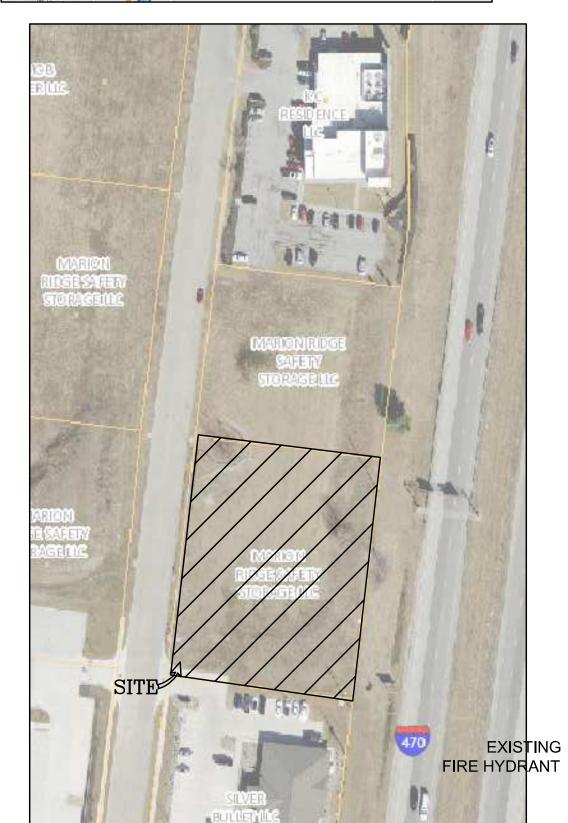
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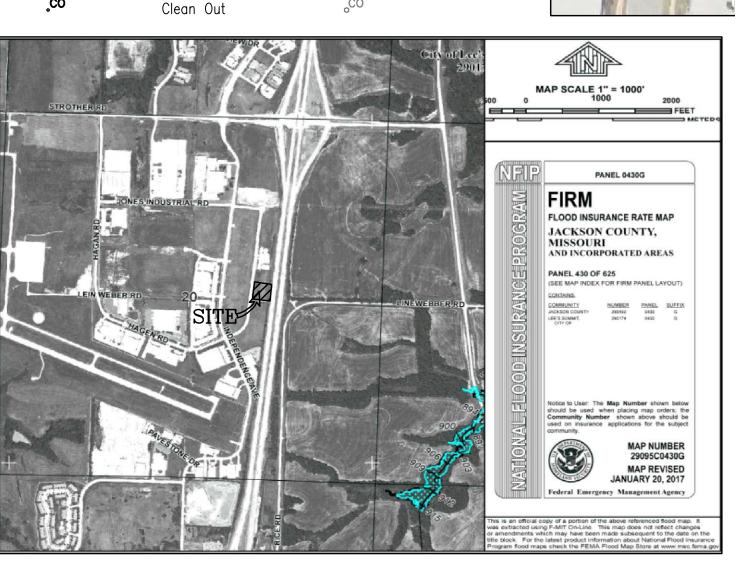
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## FINAL DEVELOPMENT PLAN FOR LOT 7 OF

OIL AND GAS WELL NOTE:

ON THE PROPERTY

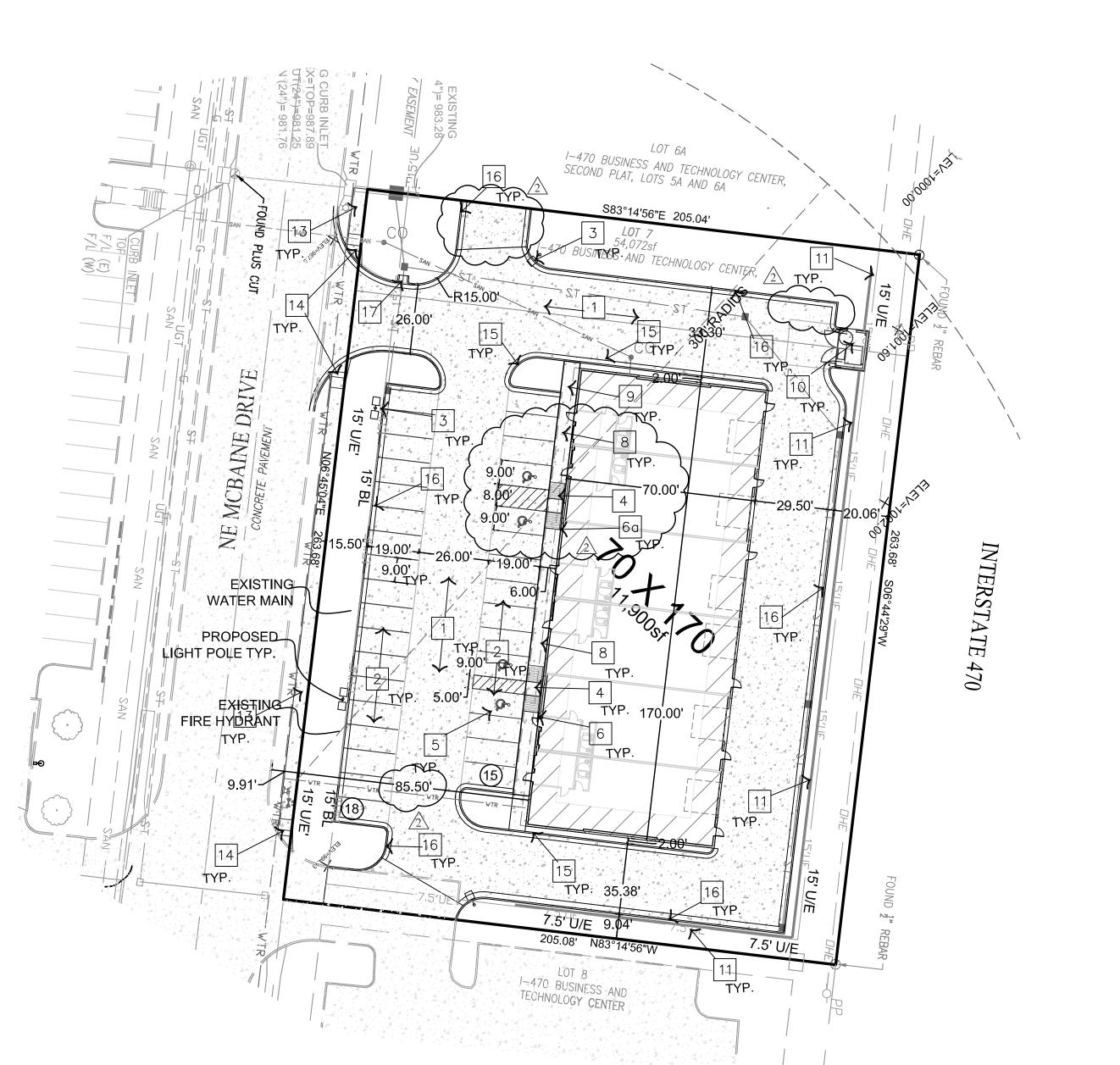
1. NO OIL OR GAS WELL WHERE ON RECORD OR OBSERVED

"I-470 BUSINESS AND TECHNOLOGY CENTER, LOTS 1 THRU 22 AND TRACTS A AND B" SECTION 20, TOWNSHIP 48, RANGE 31 LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

## DEVELOPER:

## BLUE SPRINGS SAFETY STORAGE LLC 1120 NW EAGLE RIDGE BLVD. GRAIN VALLEY, MISSOURI 64029 Ph.# 816-229-8115

LEGAL DESCRIPTION:
LOT 7 OF "I-470 BUSINESS AND TECHNOLOGY CENTER
LOTS 1 THRU 22 AND TRCTS A AND B", A SUBDIVISION
IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



### 1 HEAVY CONCRETE PAVEMENT RE: SEE SHEET C210 2 LIGHT CONCRETE PAVEMENT RE: SEE SHEET C210 3 30' LIGHT POLE RE: SEE MEP SHEETS 4 ACCESSIBILITY RAMP RE: SEE SHEET C210 PAINT ACCESSIBLE PARKING SYMBOLS ACCORDING TO APWA PAVEMENT MARKING STANDARDS. RE: SEE SHEET C210 6 INSTALL ACCESSIBLE PARKING SIGN "TYPE B" RE: SEE SHEET C210 6a INSTALL VAN ACCESSIBLE PARKING SIGN RE: SEE SHEET C210 This is a stripe paving with 4" wide stripe & paint according to apwa pavement marking standards. 8 CURB WALK RE: SEE SHEET C210 9 SITE SIDEWALK RE: SEE SHEET C210 10 TRASH ENCLOSURE RE: SEE ARCHITECTURAL PLANS MODULAR RETAINING WALL RE: SEE SHEET C210 12 SITE MONUMENT SIGN RE: SEE ARCHITECTURAL PLANS [13] 5' CITY SIDWALK RE: SEE CITY DETAILS 14 CITY ADA RAMP RE: SEE CITY DETAILS 15 STRAIGHT BACK CURB (CG-1) DRY RE: SEE CITY DETAIL 16 STRAIGHT BACK CURB (CG-1) WET RE: SEE CITY DETAIL 17 CONCRETE FLUME RE: SEE SHEET C210

### GENERAL NOTES:

PLAN NOTES:

- CONTRACTOR SHALL VERIFY LOCATION
   OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- 2. PERFORM TEMPORARY EROSION CONTROL MEASURES IN ACCORDANCE WITH ALL STATE & LOCAL REQUIREMENTS. TEMPORARY EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL PERMANENT IMPROVEMENTS ARE IN PLACE.
- ALL PARKING STALLS SHALL BE MARKED

  W/ A 4" WIDE STRIPE. PARKING STRIPES TO
  BE PAINTED ACCORDING TO SPECIFICATIONS.
- 4. CONSTRUCT ALL SIDEWALKS WITH 2% MAX. CROSS SLOPE AWAY FROM BUILDING

AND WHEN ADJACENT TO BUILDINGS.

- UNLESS OTHERWISE SHOWN ON PLANS.

  5. PLACE EXPANSION JOINTS, IN SIDEWALKS AT 50' MAX. SPACING, AT ALL DIRECTION CHANGES
- 6. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.

### UTILITY NOTES:

NONE THIS SHEET 11-17-22

1. SANITARY SEWER
CONTRACTOR SHALL USE EXISTING SEWER STUB
ALL EXISTING SEWER STUBS SHALL BE LOCATED

ALL EXISTING SEWER STOBS SHALL BE LOCATED
AND CAPED PER CITY REQUIREMENTS
2. STORM SYSTEM
ALL STORM SEWER WILL GATHERED IN A PRIVATI

ALL STORM SEWER WILL GATHERED IN A PRIVATE SYSTEM AND THEN CONNECTED TO A PUBLIC SYSTEM AT AN EXISTING INLET.

### DEVELOPMENT NOTES:

- 1. TOTAL LOT AREA = 54,072sf =1.24ac 2. TOTAL BULDING FOOTAGE=11,900sf
- 3. ESTIMATED 15% OFFICE = 1,785sf
- 4. PARKING STALLS

  REQUIRED STALL = 4 PER 1,000sf OFFICE

  (1,785 / 1,000) X 4=8 STALLS

1 PER 1,000sf WAREHOUSE
(10,115/ 1,000) X1=11 STALLS
TOTAL REQUIRED = 19
PROPOSED STALLS
STANDARD 19'X9' STALLS = 29

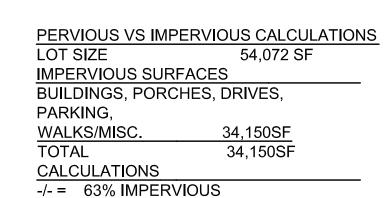
STANDARD 19'X9' STALLS = 29

ADA 19'X9' STALL WITH ISLE = 4

TOTAL=33 STALLS

5. TOTAL GREENS SPACE 19,922sf = 37 %

6. FLOOR AREA RATIO (FAR) = 11,900sf / 54,072sf = 0.22 = 22 % COVERAGE

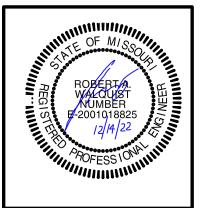


## 37% PERVIOUS (GREEN) PUBLIC IMPROVEMENTS

- 1. CITY SANITARY MAIN "NONE"
- 2. WATER MAIN "NONE"
- 3. CITY SIDEWALK = "NONE"4. CITY ADA RAMPS = 3

PROJECT CONTACTS: ROBERT WALQUIST, P.E. 821 NE COLUMBUS ST LEE'S SUMMIT, MISSOURI 64063





JOH 1-4/0 B & I CENTER SUMMIT, JACKSON COUNTY, MISSOURI

Civil Engineering for Residential & Commercial Site Development 821 NE Columbus St. Lee's Summit, Missouri 64063 Phone: (816) 550-5675

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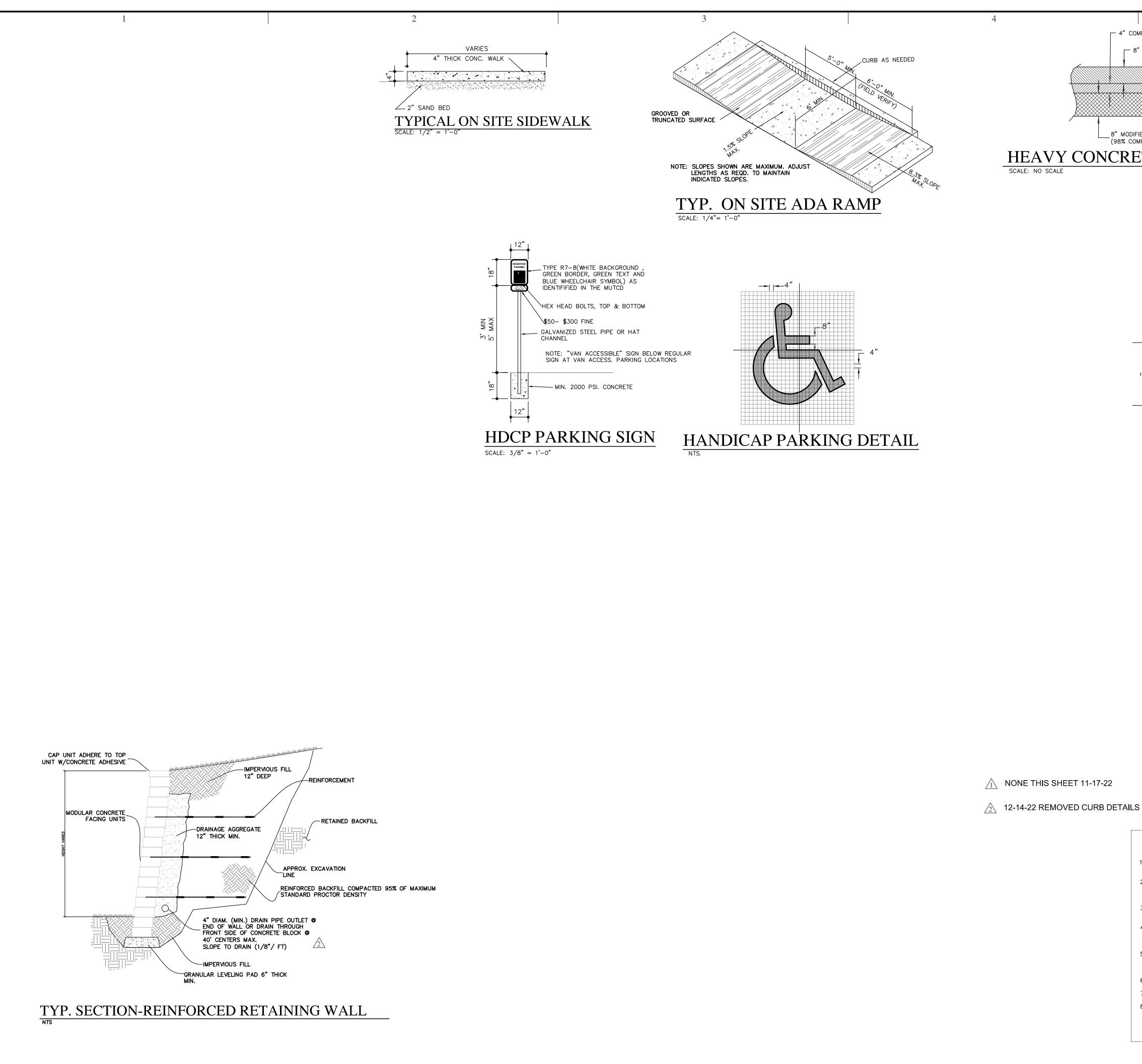
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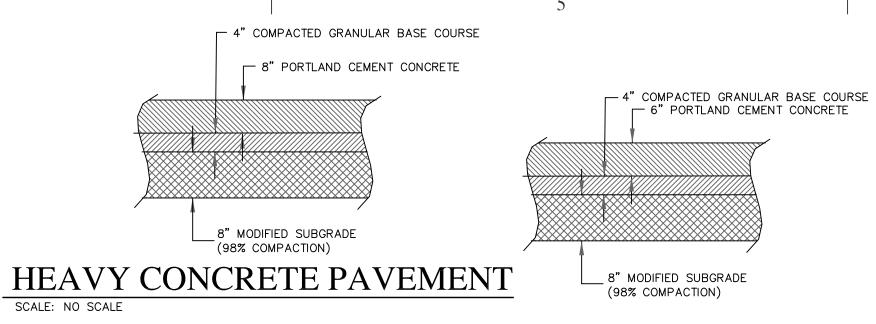




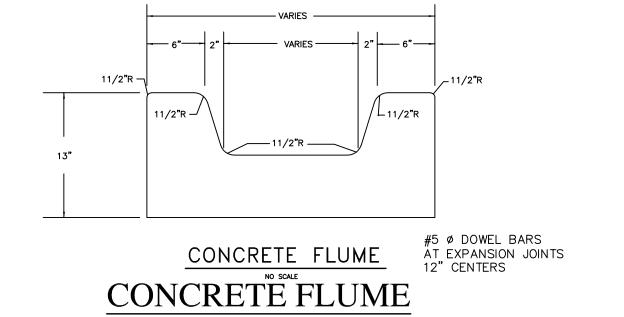
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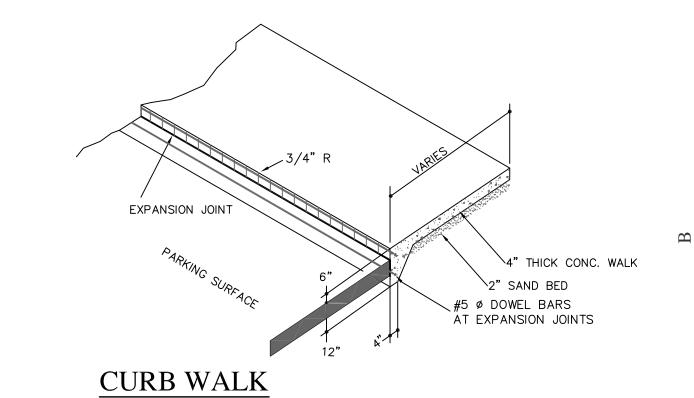
REVISIONS





### LIGHT CONCRETE PAVEMENT SCALE: NO SCALE





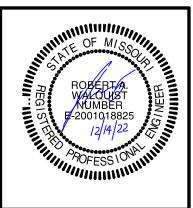
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### SITE NOTES

SCALE: 1/2" = 1'-0"

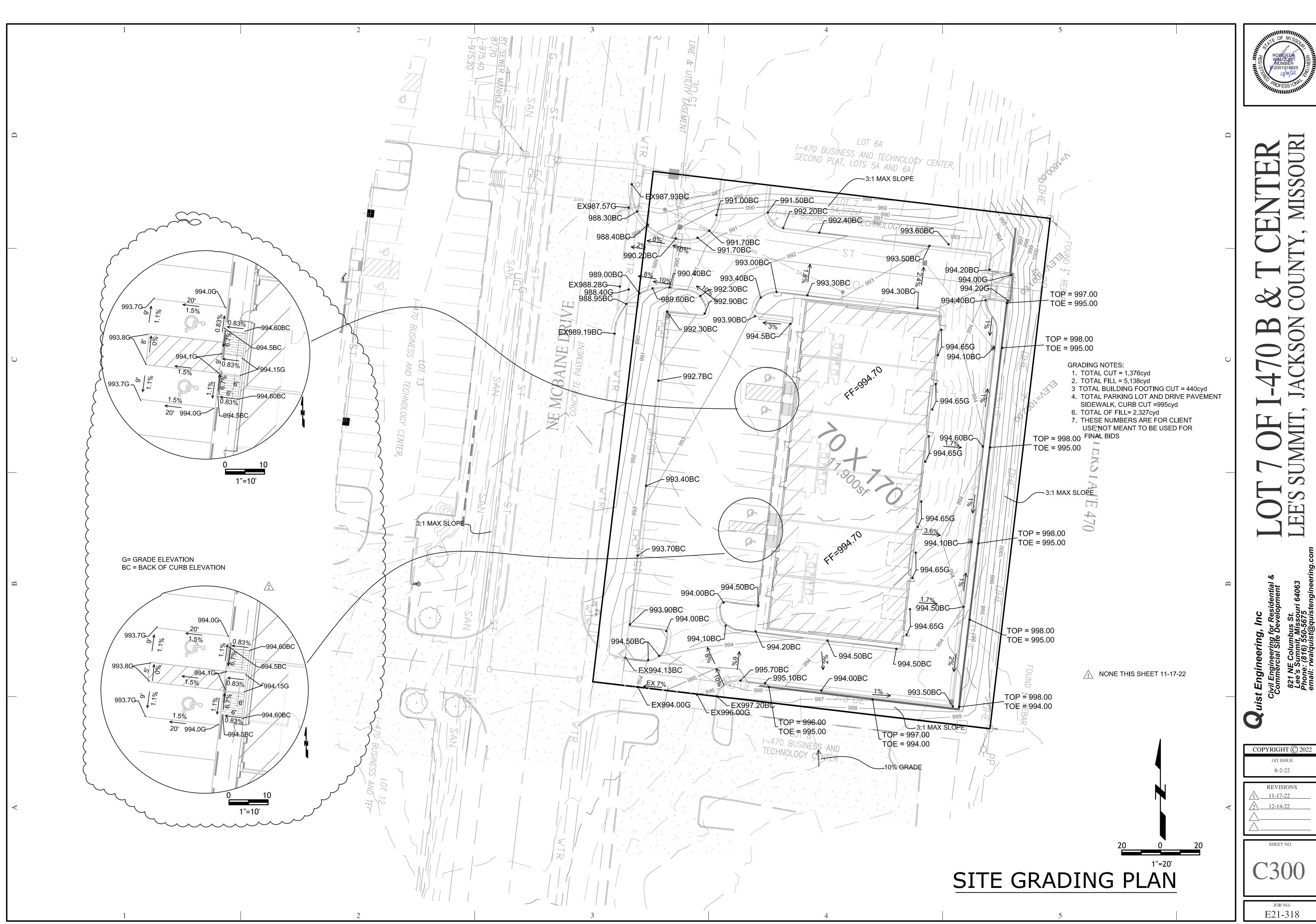
- 1. The Contractor shall strip the building area of top soil and stockpile it. He shall then install fill dirt as per soils report included within the specifications.
- 2. The bottoms of footings shall bear on soils as per soils report included within the specifications. The footings shall be at depths indicated on plans, or deeper as required due to specific site conditions.
- 3. Topsoil finish grade shall be 8" below the finish floor elevations, sloping away 6" in 10' minimum. Finish grades shall not exceed a 2:1 slope.
- 4. Finish grade shall be 2" below the surface of walks, slabs, steps, etc., except where necessary to accommodate drainage. Contractor shall seed all areas of site disturbed by construction.
- 5. Sidewalks shall not exceed 5 % (1'-0" in 20'-0") slope with a 2% (1'-0" in 50'-0") cross-slope and shall be 5' wide except as noted on Site Plan. Provide stairs, ramps, curbs, etc., as noted and detailed.
- 6. The Contractor shall obtain and pay for building permit's) as may be required.
- 7. The Contractor shall furnish and install one mailboxes as post office requires.
- 8. Parking areas @ handicap accessible spaces and access isles shall not exceed a 2% slope (1'-0" in 50'-0" slope in any direction. Other portions of the accessible routes shall not exceed a 5 % (1'-0") in 20'-0" longitudinal slope and a 2(1'-0") in 50'-0" cross—slope. Other parking areas and cross—slopes of drives shall not exceed a 5 % (1'-0") in 20'-0" slope.

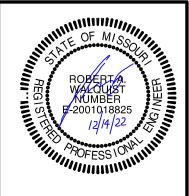
SITE DETAILS



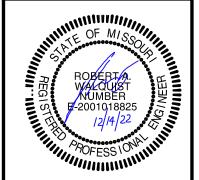
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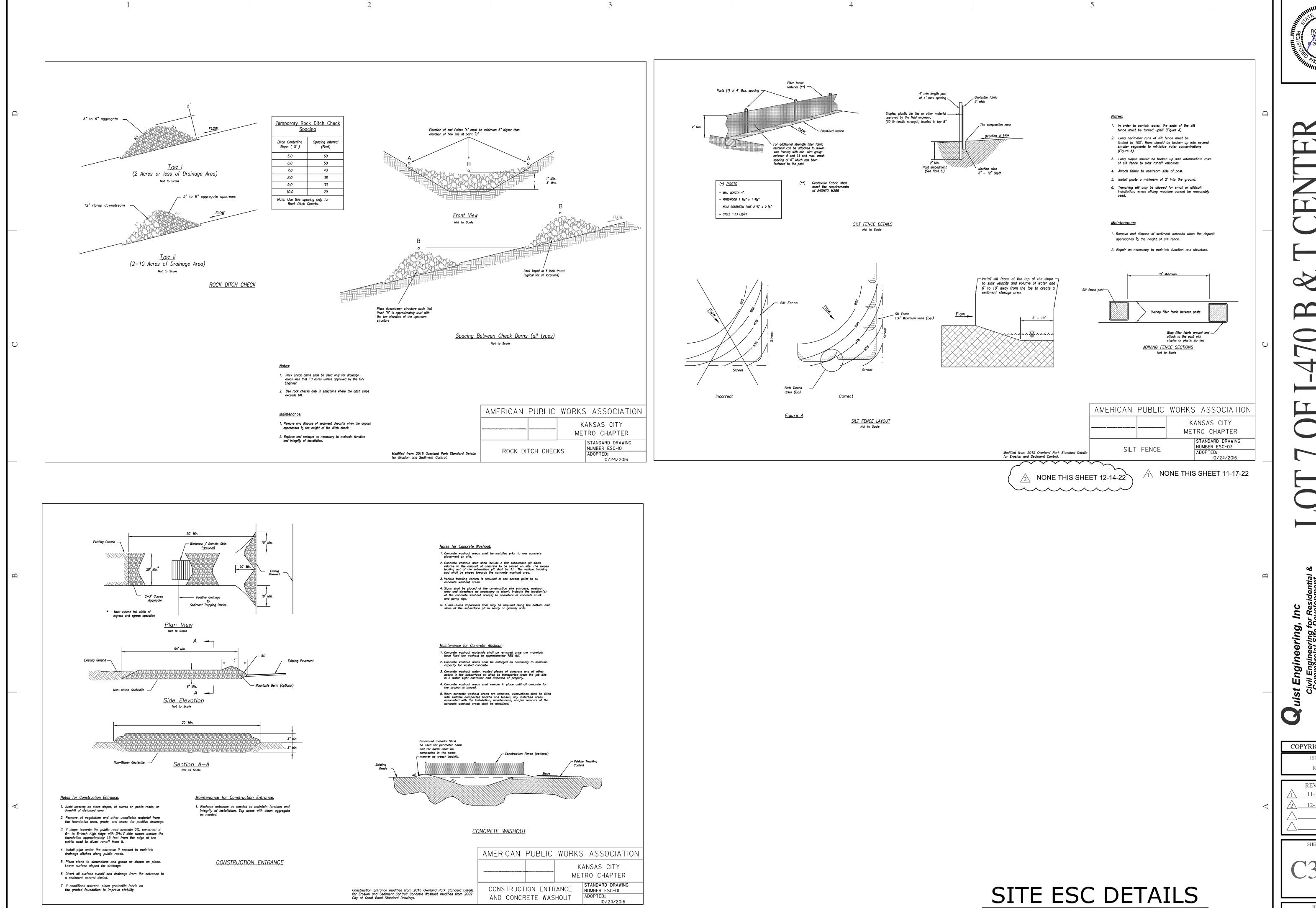
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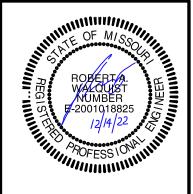












OT 7 OF I-470 B & T CENTER TERM OF IACKSON COUNTY MISSORIES

uist Engineering, inc Civil Engineering for Residential & Commercial Site Development 821 NE Columbus St. Lee's Summit, Missouri 64063 Phone: (816) 550-5675

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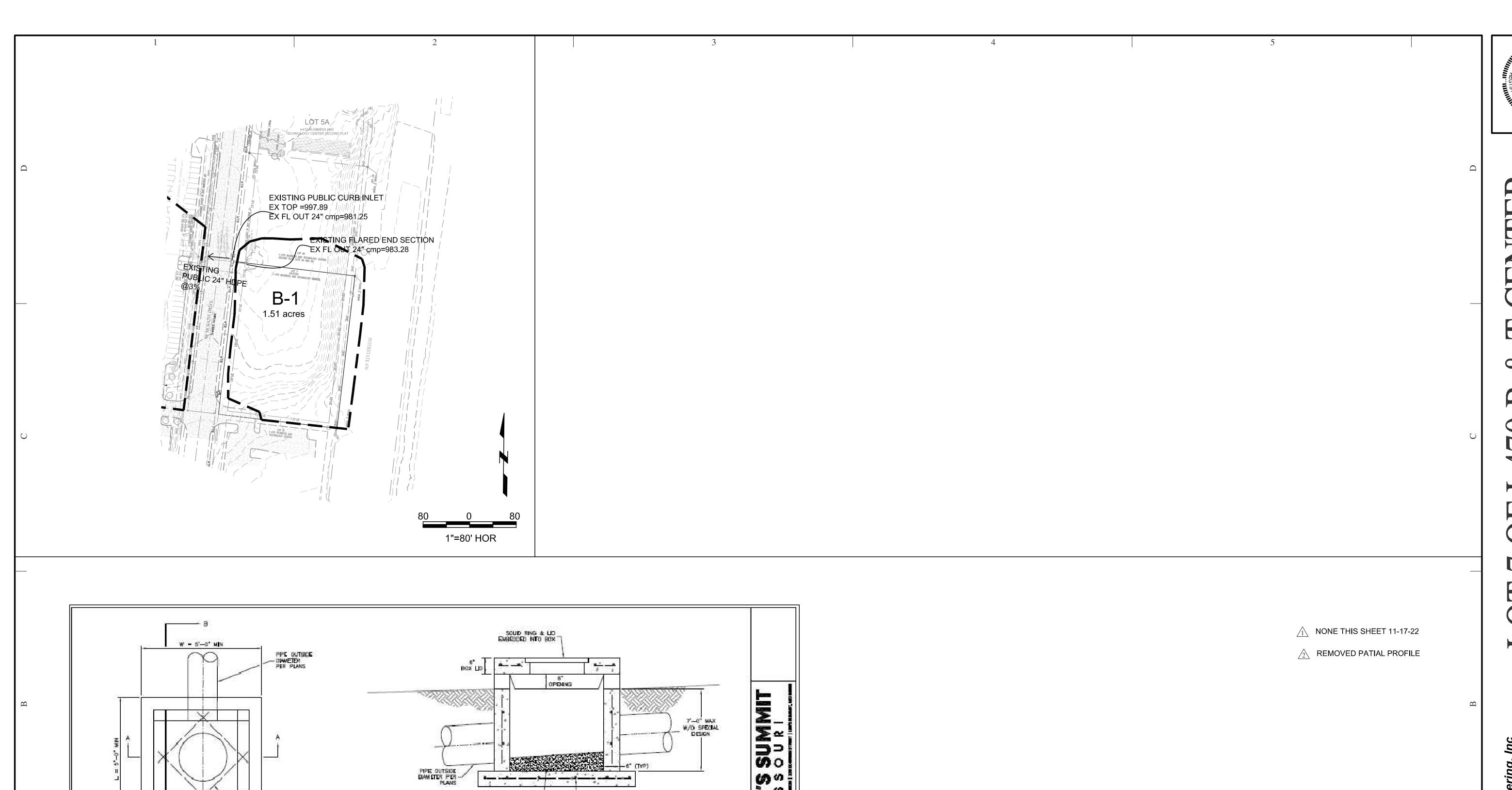
1ST ISSUE

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SECTION B-B

CENERAL NOTES:

LOCATE RING AND COVER OVER OUTLET ON BLANK
WALL

FLOOR OF INLET GROUTED AND SHAPED TO MATCH PIPE INVERT TO PROVIDE SMOOTH FLOW.

STEP'S REQUIRED AT 18" D.C. WHEN DEPTH FROM TOP OF CASTING TO INVERT EXCEEDS 3" ON BLANK WALL IF POSSIBLE.

THE MINIMUM REINFORCING SHALL BE 1 H—BAR OVER A CAST—IN—PLACE PIPE AND 2 H—BARS OVER A PRECAST BOXXOUT.

SHOW FELD INLET ORIENTATION ON PLANS PLUS NUMBER AND SIDE OF OPENINGS.

PRECAST LIDS SHALL BE PINNED, SEALED WITH NON-SHRINKABLE GROUT AND REVOVABLE FOR FUTURE MAINTENANCE.

STM-2

FOR RING AND COVER SEE THE STORWWATER APPROVED PRODUCT LIST.

BOXOUTS WILL NOT BE ALLOWED TO PROJECT. THROUGH THE CORNERS OF THE STRUCTURE.

USE % CHAMFER ON ALL EXPOSED CONCRETE CORNERS.

SOLID RING & LID EMBEDOED INTO BOX

PIPE O.B. PLUS 5" PER PLANS

#4 s 0 12 E.W.

WALL CORNER DETAIL

USE NON-SHRIMKING GROUT TO SEAL BASE TO MANHOLE AND PIPES TO MANHOLE WALLS

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E21-318

PRIVATE STORM IMPROVEMENT PLAN



STORM SEWER CALCULATIONS TABLE Rainfall Runoff Flow Velocity stats Drainage Area to Inlet Elevation Sewer Characteristics Time of Flow Sewer Location Additional | Additional | In-pipe 100yr In-pipe 25yr In-pipe 10yr Inlet 100yr Inlet 25yr V 10ys | V 100 yr Designation Coef 110 Intensity Coverage | Pipe Size (in) Flout K\*I\*C\*A K\*I\*C\*A  $K*I*\Sigma C*A$ K\*I\*C\*A Intensity Intensity  $K*I*\Sigma C*A$  $K*I*\Sigma C*A$ elevation 990.50 989.50 2.46 | LINE 1 | CI-1-3 | CI-1-2 **A-**1 0.17 0.885.00 10.32 8.53 7.35 1.93 1.40 1.10 1.93 1.40 CI-1-3 2.00 12.00 1.40 3.43 CI-1-2 CI-1-1 0.20 8.53 1.29 CI-1-2 3.55 5.00 7.35 1.65 4.20 3.05 2.74 CI-1-1 JB-1-1 0.15 8.53 0.974.75 5.00 10.32 4.29 1.90 JB-1-1 AI-1-1 8.53 JB-1-1 4.50 3.34 3.95 LINE-2 3.22 AI-1-1 FI-1-1 5.00 8.53 7.35 AI-1-1 2.70 984.80 984.00 2.96 982.73 981.76 57.50 3.17 4.79 FI-1-1 EXC-CI 8.53 7.35 5.22 3.80 2.77 6.47 Yes 0.46 0.885.00 10.32 2.98 15.03 11.81 FI-1-1 987.50 24.00 15.00 3.14 987.00 985.00 Yes 3.21 5.64 4.43 3.22 4.35 LINE 2 | CI-2-2 | AI-1-1 10.32 3.22 0.888.53 7.35 4.43

SITE STORM DRAINAGE PLAN AND CALCULATIONS

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Civil Engineering, Inc Civil Engineering for Residential & Commercial Site Development 821 NE Columbus St. Lee's Summit, Missouri 64063

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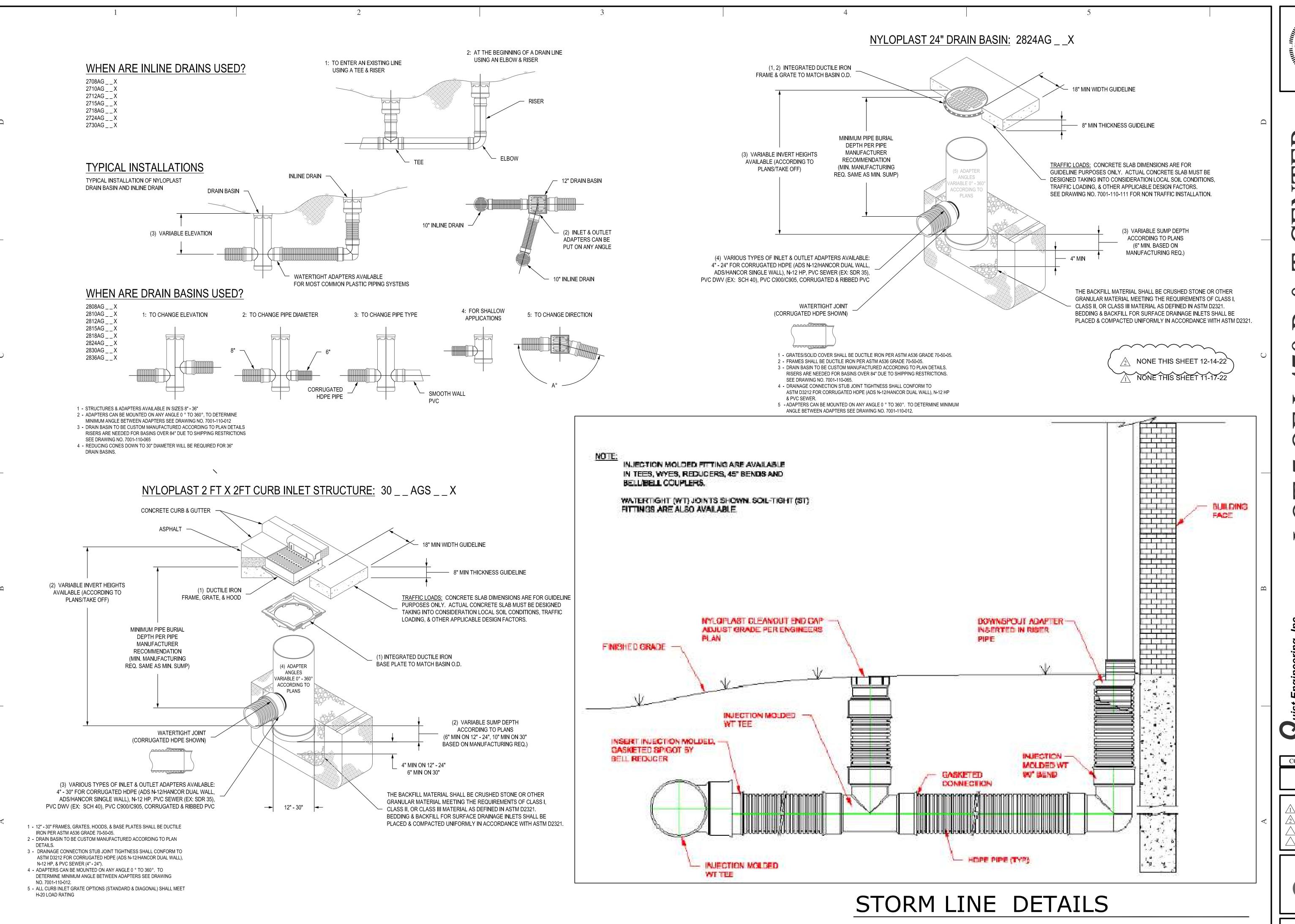
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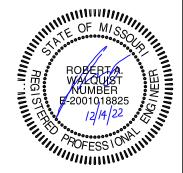
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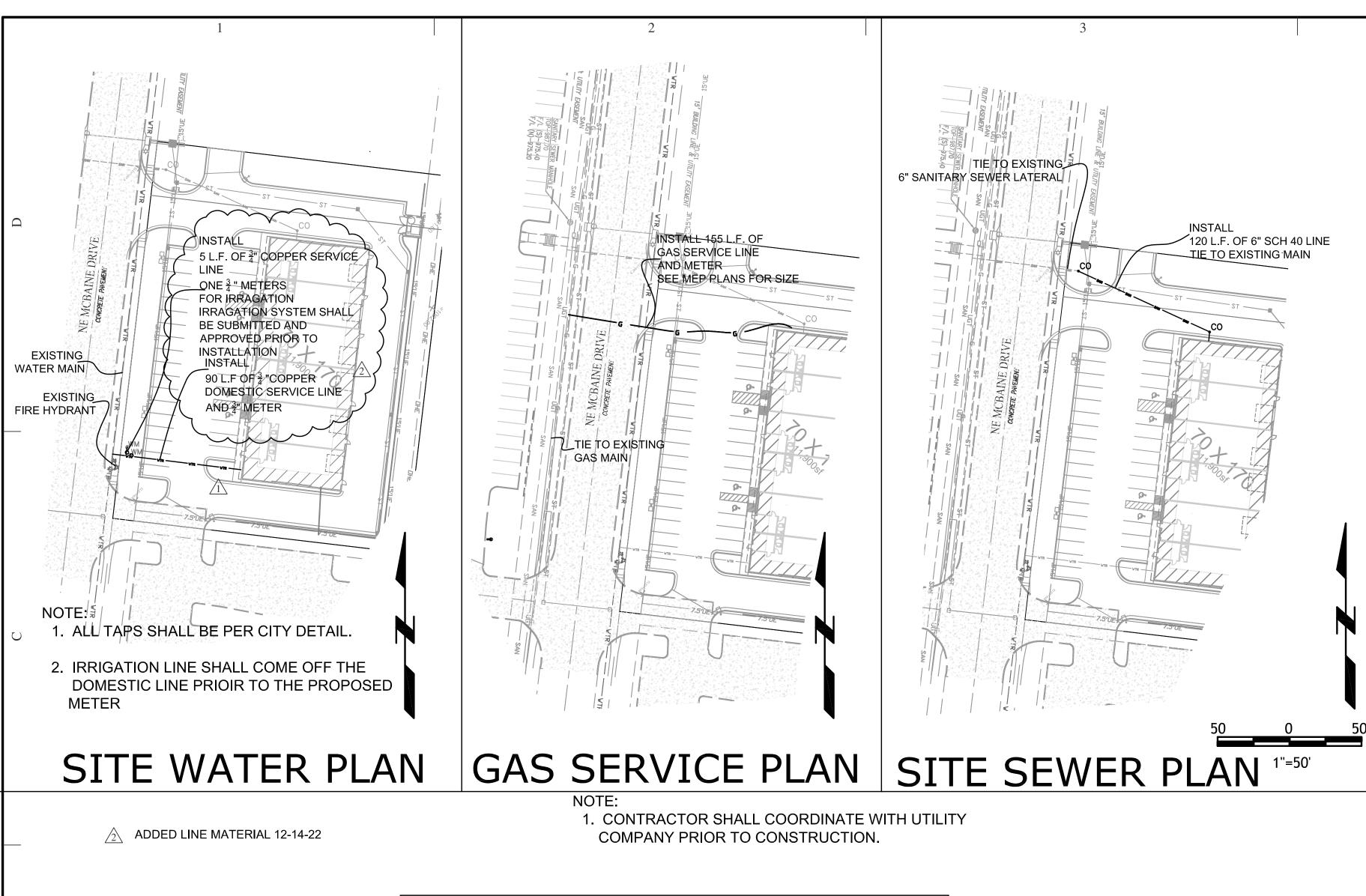




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SHEET NO.



REMOVED FIRE LINE 11-17-22

LEGEND

8 FIRE HYDRANT

W WATER VALVE
W WATER METER

G GAS METER

Y GAS MARKER

MANHOLE

☐ STREET LIGHT

☆ YARD LIGHT

♠ CABLE TV PEDESTAL

SELECTRIC TRANSFORMER

T TELEPHONE BOX

-D- POWER POLE

-D- POWER POLE W/TEL.

🛛 ELETRICAL PULL BOX

POWER POLE W/STREET LIGHT

▲ ELETRICAL PULL BOX

☑ GROUND FLOOD LIGHT

TRAFFIC SIGN

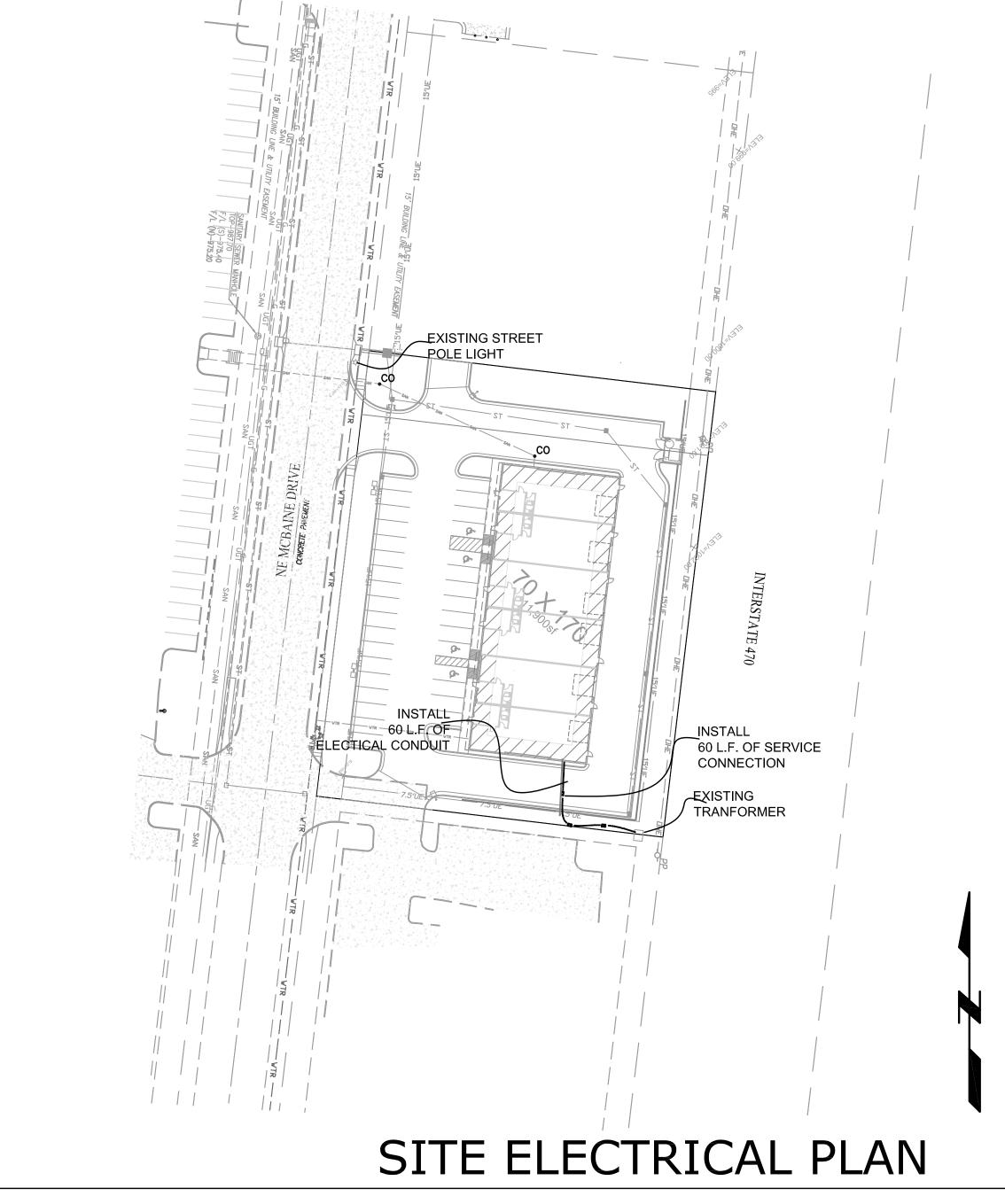
E. RISER RING -ADAPTER RING (IF NEEDED) -WATER METER - J. YOKE ELL — FLARED COPPER CONNECTION - CONNECTION SPLICE FREE COPPER SERVICE FROM METER WELL. SOFT TYPE "K" COPPER SERVICE LINE (DIAMETER PER CITY STANDARDS) -- B. CORPORATION STOP METER INSTALLATION SHALL NOT BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC OR IN CONCRETE PAVEMENT WITHOUT CITY APPROVAL.
 IF 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. 10. CONTACT WATER UTILITIES, 816-969-1900, FOR REQUIREMENTS OF A METER LARGER THAN 2" **LEE'S SUMMIT** Drawn By: JN MISSOURI Checked By: DL FILE: WAT-11 Rev: 1/14 SERVICE CONNECTION/METER WELL



### NOTE:

1. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY PRIOR TO CONSTRUCTION.

### NOTE:

- 1. ENDS OF ALL CONDUITS SHALL BE MARKED WITH 4"X4" WOOD POST.
- 3. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY PRIOR TO CONSTRUCTION.
- 4. SHOP DRAWINGS FOR THE LIGHT POLES SHALL BE SUBMITTED AND APPROVED PRIOR TO CONSTRICTION.

SHEET

C700

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SITE UTILITY PLAN

