LEE'S SUMMIT FIRE STATION NO. 4 5031 NORTHEAST LAKEWOOD WAY LEE'S SUMMIT, MISSOURI 64064 FINAL DEVELOPMENT PLAN

CONSULTANT:



9229 WARD PKWY KANSAS CITY, MISSOURI 64114 DERICK HOLMES derick.holmes@glmv.com T (816) 444-4200

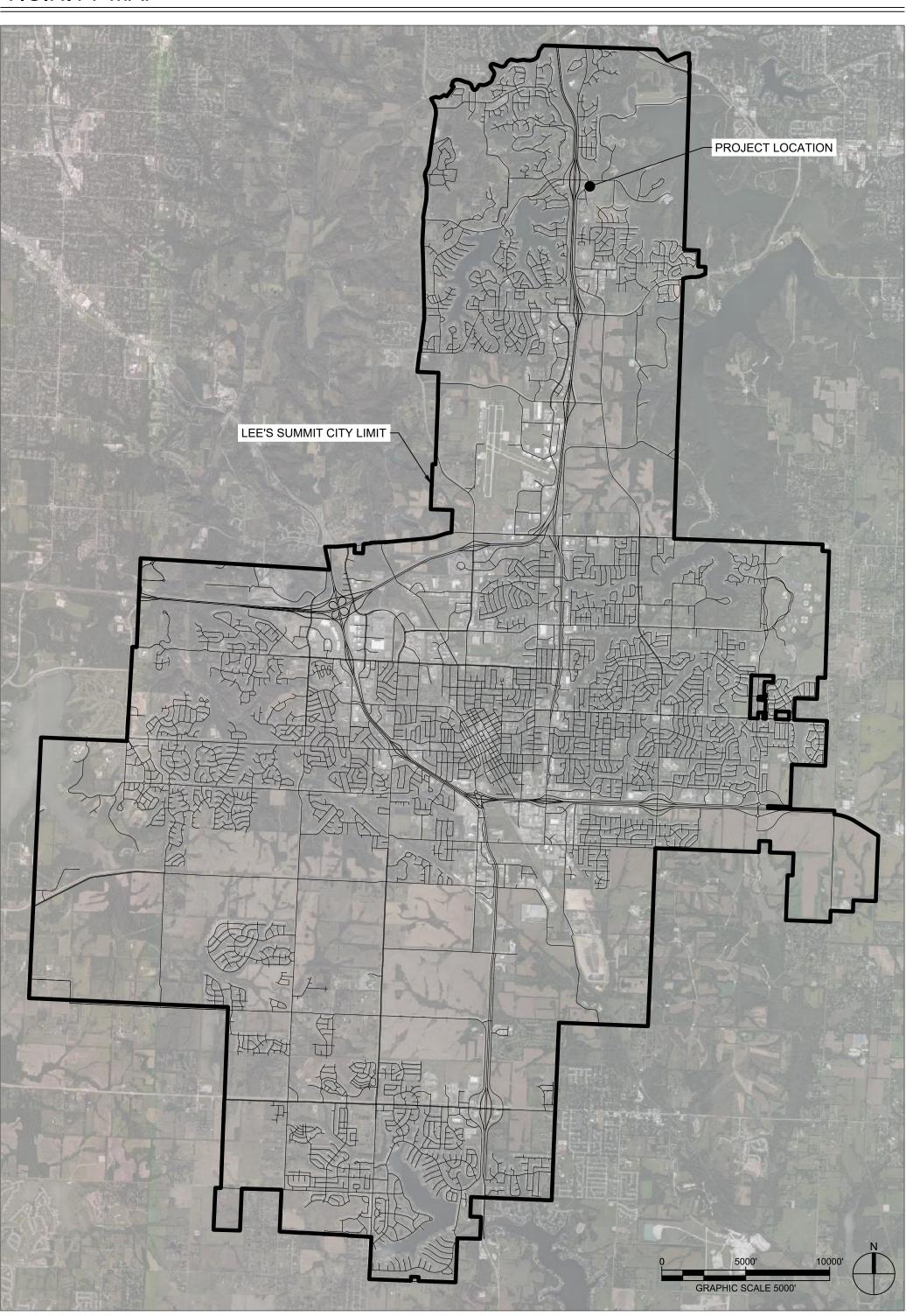
PARCEL INFORMATION:

| ACREAGE: | 1.17 |
|-------------------|--|
| ADDRESS: | 5031 NORTHEAST LAKEWOOD WAY LEE'S SUMMIT, MO 64064 |
| LEGAL DESCRIPTION | ALL OF LOT 6-A, EXECUTIVE LAKES CENTER LOTS 6-A AND 8-B, A SUBDIVISION IN THE SE 1/4 OF SECTION 5- T 48 N - R 31 W, LEE'S SUMMIT, JACKSON COUNTY, MISSOURI |
| FEMA FLOODPLAIN | THE SUBJECT PROPERTY IS LOCATED IN ZONE X, AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS SHOWN ON FLOOD INSURANCE RATE MAP (FIRM) 29095C0313G, EFFECTIVE JANUARY 20, 2017. |
| OIL AND GAS WELLS | NO EVIDENCE OF OIL OR GAS WELLS WERE FOUND ON LOT 6-A AND THE PORTION OF LOT 7 PROPOSED TO BE REPLATTED AS EVIDENCED BY THE FOLLOWING SOURCES 1. ATLAS/NSPS LAND SURVEY PERFORMED BY J&J SURVEYING LLC, DATED DECEMBER 7, 2021. 2. MISSOURI SPATIAL DATA INFORMATION SERVICE (FEBRUARY 20, 2022), MO 2018 STATE PERMITTED OIL AND GAS WELLS. RETRIEVED FROM HTTP://DATA-MSDIS.OPENDATA.ARCGIS.COM/DATASETS |
| ZONING | CP-2, PLANNED COMMUNITY COMMERCIAL |

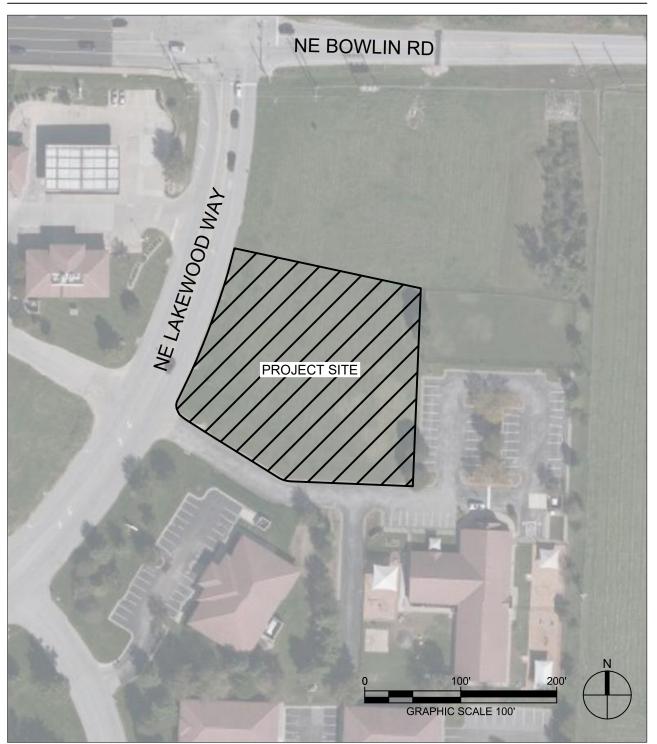
LAND USE SCHEDULE

| TOTAL FLOOR AREA | 12,189 SF |
|--|---|
| NUMBER OF DWELLING UNITS | 8 |
| LAND AREA | 1.17 ACRES |
| REQUIRED PARKING | DIRECTED BY FIRE CHIEF |
| PROPOSED PARKING | 15 SPACES |
| IMPERVIOUS COVERAGE | 32,464 SF (.75 ACRES) |
| FLOOR AREA RATIO (FAR) | 0.24 |
| PERMITTED LAND USE | FIRE STATION - MUNICIPAL = CONDITIONAL |
| DWELLING UNITS PER ACRE WITH COMMON AREA | 6.84 |
| DWELLING UNITS PER ACRE WITHOUT COMMON AREA | 6.84 |
| | |

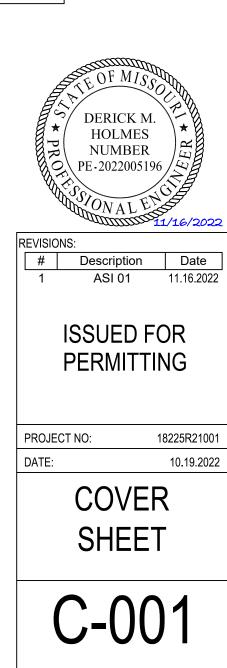
VICINITY MAP

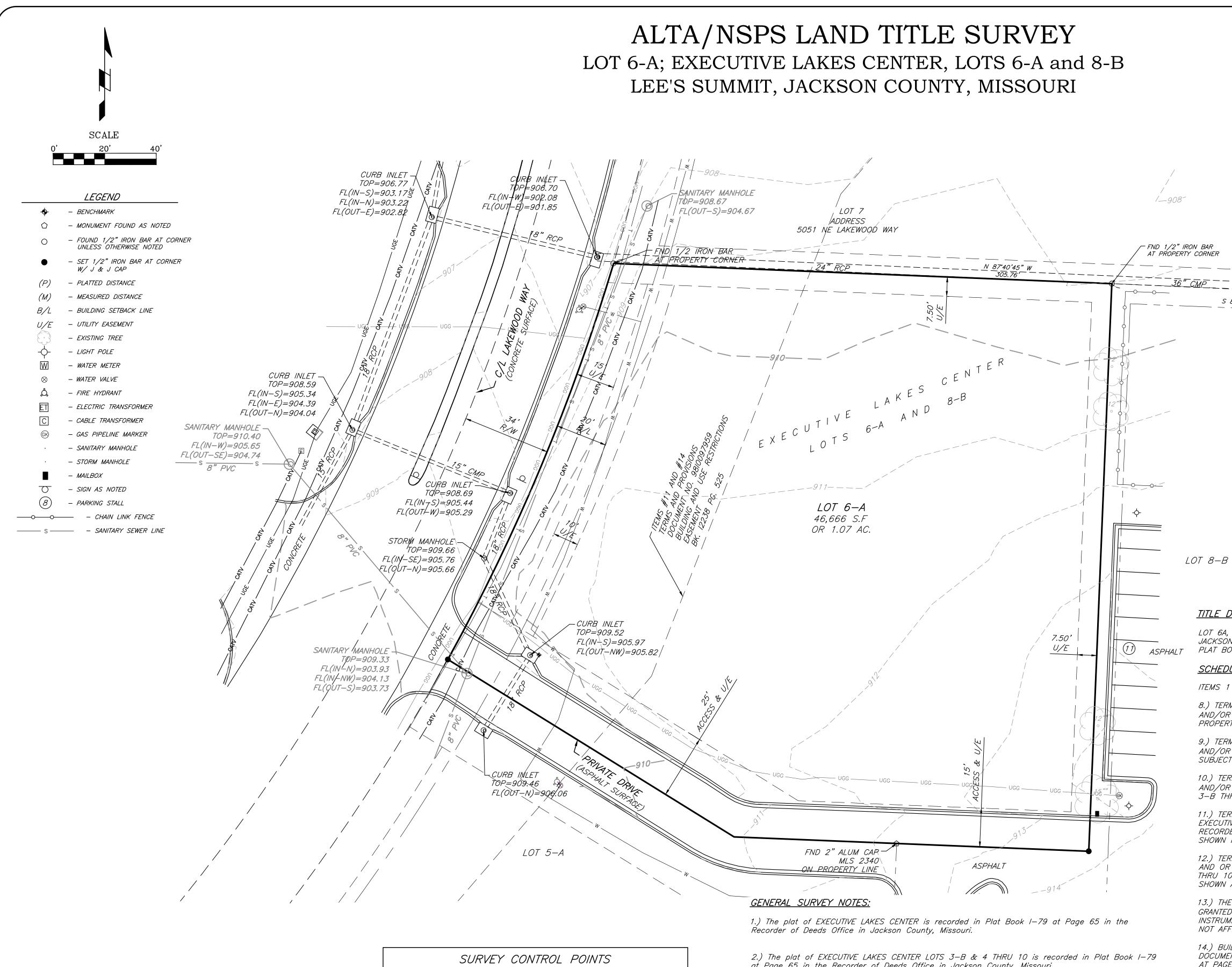


SITE LOCATION MAP



| INDEX OF DRAWINGS | | | |
|-------------------|--------------------------------|--|--|
| SHEET NO. | SHEET NAME | | |
| C-001 | COVER SHEET | | |
| GS001 | ALTA/NSPS LAND TITLE SURVEY | | |
| A-101 | FIRST FLOOR PLAN | | |
| A-102 | SECOND FLOOR PLAN | | |
| A-201 | BUILDING ELEVATIONS | | |
| A-202 | BUILDING ELEVATIONS | | |
| C-100 | SITE PLAN | | |
| C-101 | LAYOUT PLAN | | |
| C-102 | DEMOLITION PLAN | | |
| C-103 | EROSION CONTROL PLAN | | |
| C-104 | GRADING & DRAINAGE PLAN | | |
| C-105 | UTILITY PLAN | | |
| C-220 | PUBLIC WATER PLAN & PROFILES | | |
| C-231 | PRIVATE STORMWATER PROFILES | | |
| C-400 | GRADING ENLARGEMENTS | | |
| C-500 | SITE DETAILS | | |
| C-501 | SITE DETAILS | | |
| C-502 | SITE DETAILS | | |
| C-503 | SITE DETAILS | | |
| C-510 | EROSION CONTROL DETAILS | | |
| C-511 | EROSION CONTROL DETAILS | | |
| C-520 | WATER DETAILS | | |
| C-521 | WATER DETAILS | | |
| C-530 | STORMWATER DETAILS | | |
| C-531 | STORMWATER DETAILS | | |
| C-532 | STORMWATER DETAILS | | |
| C-540 | SANITARY SEWER DETAILS | | |
| ME001 | MPE SITE PLAN | | |
| ME002 | SITE LIGHTING PHOTOMETRIC PLAN | | |
| L-100 | LANDSCAPE SCHEDULE | | |
| L-101 | LANDSCAPE PLAN | | |





<u>UTILITY NOTE:</u>

The utilities on this survey are shown based on source information from plans and markings and were combined with observed evidence of utilities pursuant to Section 5.E.iv. to develop a view of the underground utilities. However, lacking excavation, the exact location of underground features cannot be accurately, completely, and reliably depicted. In addition, in some jurisdictions, 811 or other similar utility locate requests from surveyors may be ignored or result in an incomplete response, in which case the surveyor shall note on the plat or map how this affected the surveyor's assessment of the location of the utilities. Where additional or more detailed information is required, the client is advised that excavation and/or a private utility locate request may be necessary.

BENCHMARKS:

Northing

Easting

1034478.67 | 2829553.65

1032758.54 2830285.01

1032831.68 2830146.43

Point #

2

11

15

between I-470 and the East outer Road of North Bound ramp #14

ELEVATION = 944.23

at Page 65 in the Recorder of Deeds Office in Jackson County, Missouri.

3.) Title Report No. MJ116323 dated November 24, 2020 at 8:00 AM was provided by First American Title Insurance Company.

4.) Bearings used on this survey are based on the Missouri State Plane coordinate system fro m GPS observation.

5.) The subject property is located in Zone X, areas determined to be outside the 0.2% annual chance floodplain, as shown on Flood Insurance Rate Map (FIRM) 29095C0313G, effective January 20, 2017.

6.) There are NO parking stalls identified on Subject Property at the time of this survey.

7.) Under Ground Utilities are shown as located by Missouri one call ticket No. 211930316 dated July 12, 2021

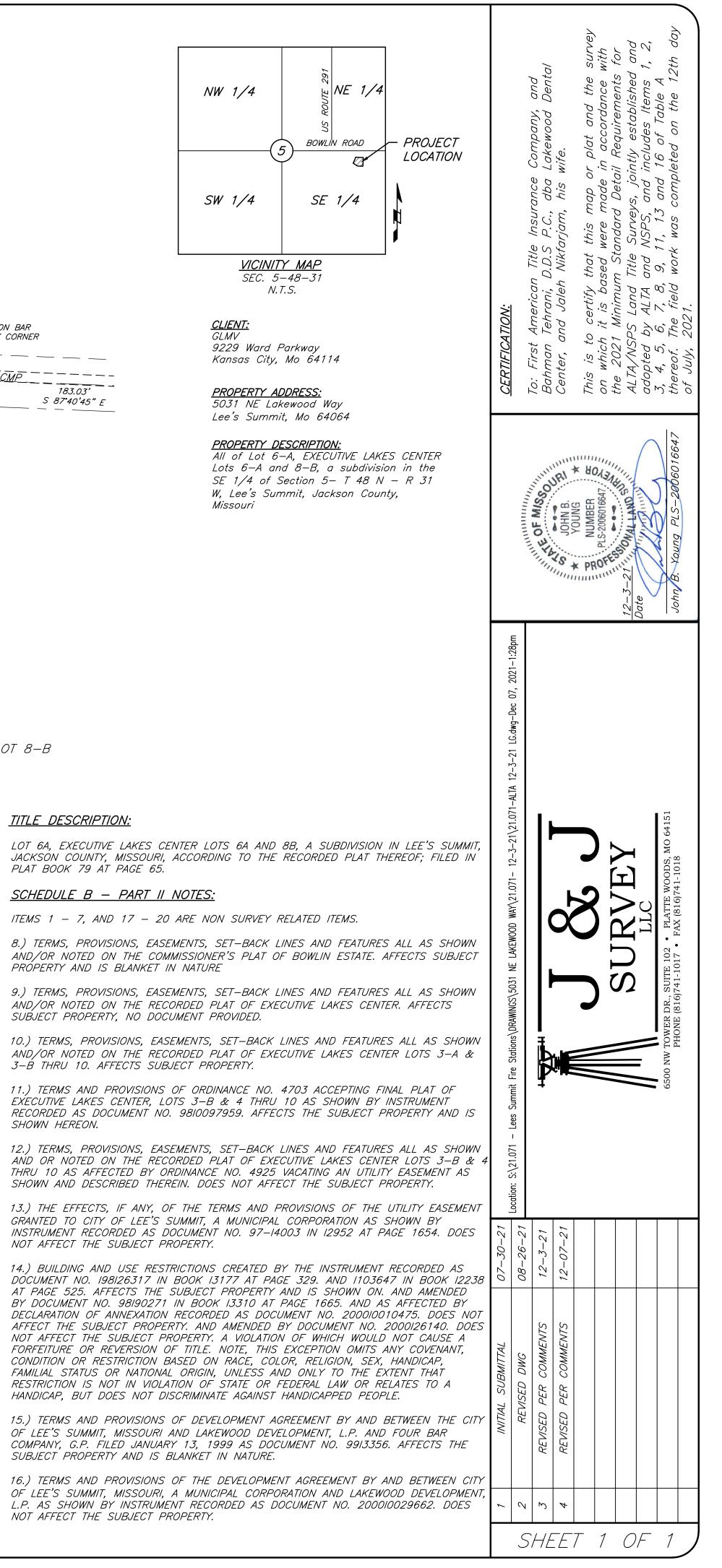
8.) There were no Wetland Delineations marked, at the time of survey.

9.) This Property is Zoned CP-2, Planned Community Commercial.

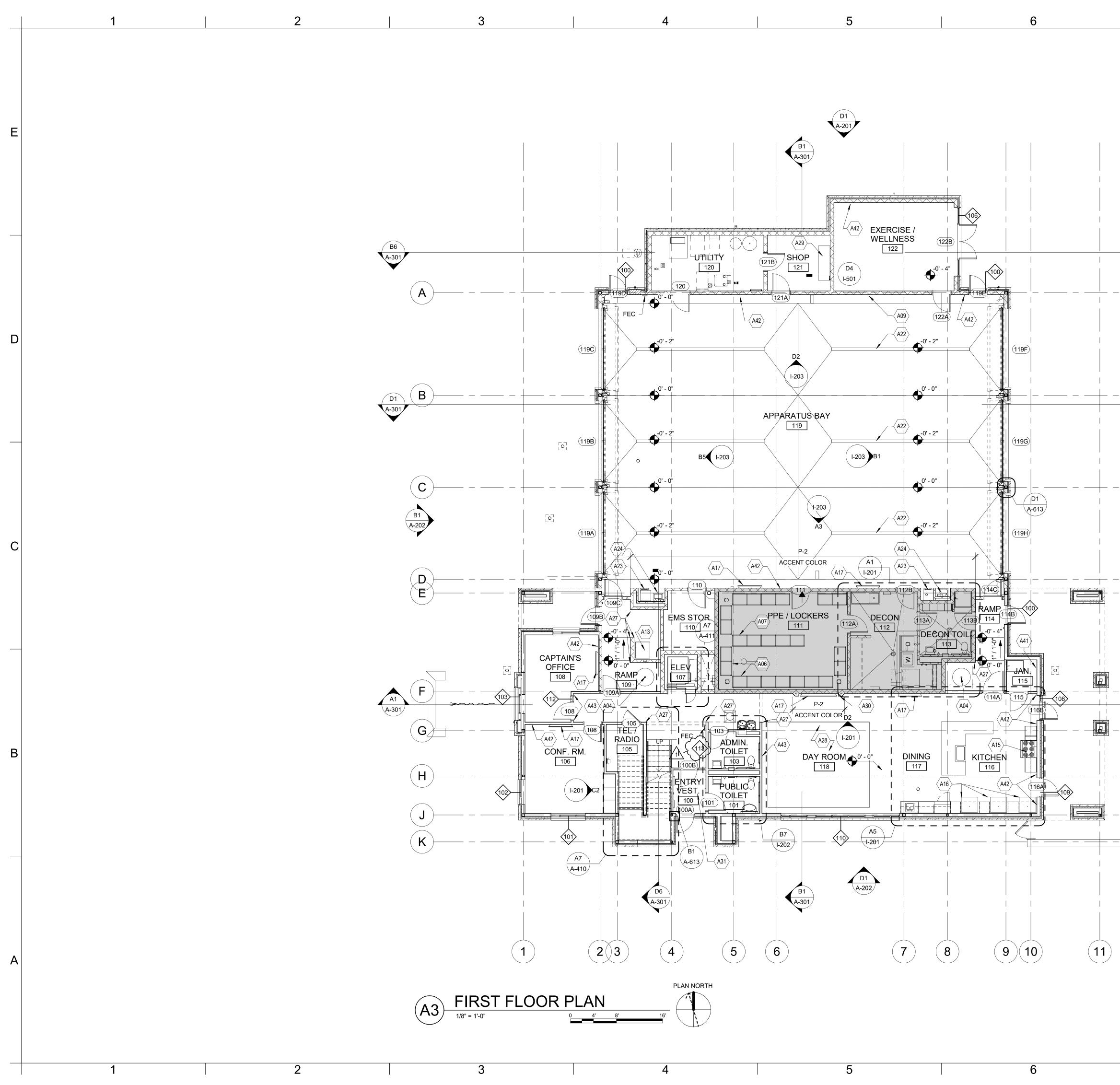
10.) There was no evidence of Earth moving work, building construction, or building additions observed in the process of conducting the fieldwork

| ROL POINTS | | | | |
|---------------|----------------------|--|--|--|
| Elevation | Description | | | |
| 944.23 | JA-29 | | | |
| <i>912.19</i> | 2" ALUM CAP MLS 234D | | | |
| 909.59 | SQUARE CUT | | | |

<u>STATION JA–29</u>: Alum Disk Located about 5.5 miles North of Lee's Summit and







B6

A-301

(D1)

A-301

B1

A-201

A1

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ARCH NOTES

- A. THE GENERAL CONTRACTOR SHALL COORDINATE ACCESS TO THE SITE, AND THE STORAGE OF MATERIALS AND EQUIPMENT ON SITE WITH THE OWNER.
- B. THE GENERAL CONTRACTOR SHALL REPAIR DAMAGE TO ANY ADJACENT AREAS OCCURRING DURING CONSTRUCTION.
- C. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ANY EXCESS TRASH AND OTHER MISCELLANEOUS MATERIALS FROM THE SITE DAILY.
- D. MAINTAIN EXIT PATHS FOR THE DURATION OF THE CONSTRUCTION.
- E. CONTRACTOR SHALL NOT REPRODUCE ANY PORTION OF A CONTRACT DRAWING FOR USE IN ANY PORTION OF A SUBMITTAL.
- F. ALL DIMENSIONS ARE FROM THE FACE OF STUD FRAMING, FACE OF MASONRY, FACE OF CONCRETE, OR CENTER LINE OF STRUCTURAL STEEL (U.N.O.).
- G. ALL DOORS ARE LOCATED 6 INCHES FROM THE ADJACENT PERPENDICULAR STUD WALL FRAMING AND 8 INCHES FROM THE ADJACENT PERPENDICULAR CMU WALL FRAMING TO THE HINGE SIDE OF THE DOOR OPENING (U.N.O).
- H. COORDINATE THE LOCATION AND INSTALLATION OF ALL MECHANICAL AND ELECTRICAL DEVICES, REGISTERS, FIXTURES, ETC. PRIOR TO INSTALLATION OF FINISH MATERIAL.
- I. ALL A.D.A. ACCESSIBLE WATER CLOSETS MUST BE LOCATED 18 INCHES MINIMUM FROM THE FINISHED FACE OF THE NEAREST ADJACENT WALL TO THE CENTER LINE OF THE FIXTURE (U.N.O.).
- J. PROVIDE CONTROL JOINTS ON CONTINUOUS GYPSUM BOARD SURFACES IN EXCESS OF 30'-0", AT A MAXIMUM INCREMENT OF 30'-0" ON CENTER (U.N.O.).
- K. PROVIDE SEALANT IN FLOOR JOINTS OF EXPOSED FINISHES PER FLOOR COATING MANUFACTURER'S RECOMMENDATIONS.
- L. SEE SHEET A-601 FOR PARTITION TYPES (REFER TO ARCHITECTURAL FLOOR PLANS FOR ADDITIONAL PARTITION IDENTIFICATION).
- M. REFER TO STRUCTURAL NOTES FOR ALL CAST-IN-PLACE CONCRETE AND MASONRY CONTROL JOINTS.



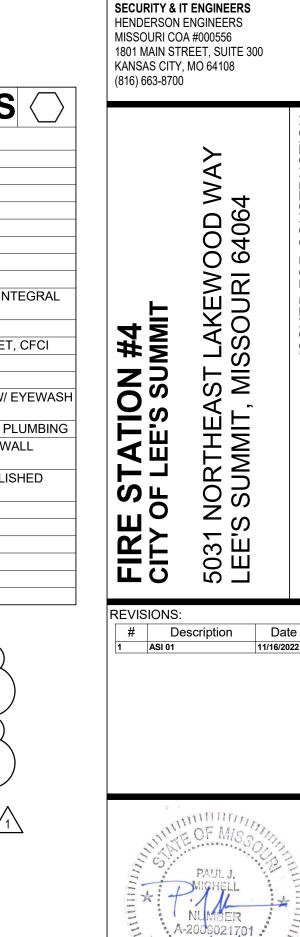
FLOOR PLAN NOTES

EXTEND OF STORM SHELTER, SEE G-004

FOR MORE INFORMATION

P-3 - ACCENT COLOR

A43



GLMVArchitecture

9229 WARD PARKWAY SUITE # 210

KANSAS CITY, MO 64114

TEL: (816) 444-4200 FAX: (316) 265-5646

www.glmv.com GLMV ARCHITECTURE, INC. MISSOURI STATE CERTIFICATE OF AUTHORITY #000305

11250 ROGER BACON DRIVE, SUITE 16

CIVIL ENGINEER & LANDSCAPE ARCH.

MISSOURI CIVIL COA #2018033898

MISSOURI LANDSCAPE COA #000008

9229 WARD PARKWAY, SUITE # 210

CONSULTING ARCHITECT

RESTON, VIRGINIA 20190

GLMV ARCHITECTURE, INC

KANSAS CITY, MO 64114

STRUCTURAL ENGINEER

250 NE MULBERRY, SUITE 201

HOSS & BROWN ENGINEERS

MISSOURI COA #01022

15902 MIDLAND DRIVE

SHAWNEE, KS 66217

(913) 362.9090

MECH., ELECT. & PLMG. ENGINEERS

LEE'S SUMMIT, MO 64086

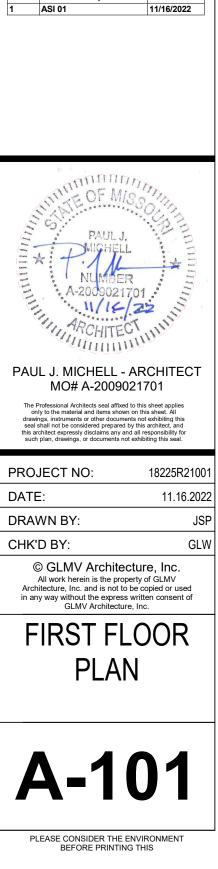
TEL: (816) 444-4200

LEIGH + O'KANE MISSOURI COA #001644

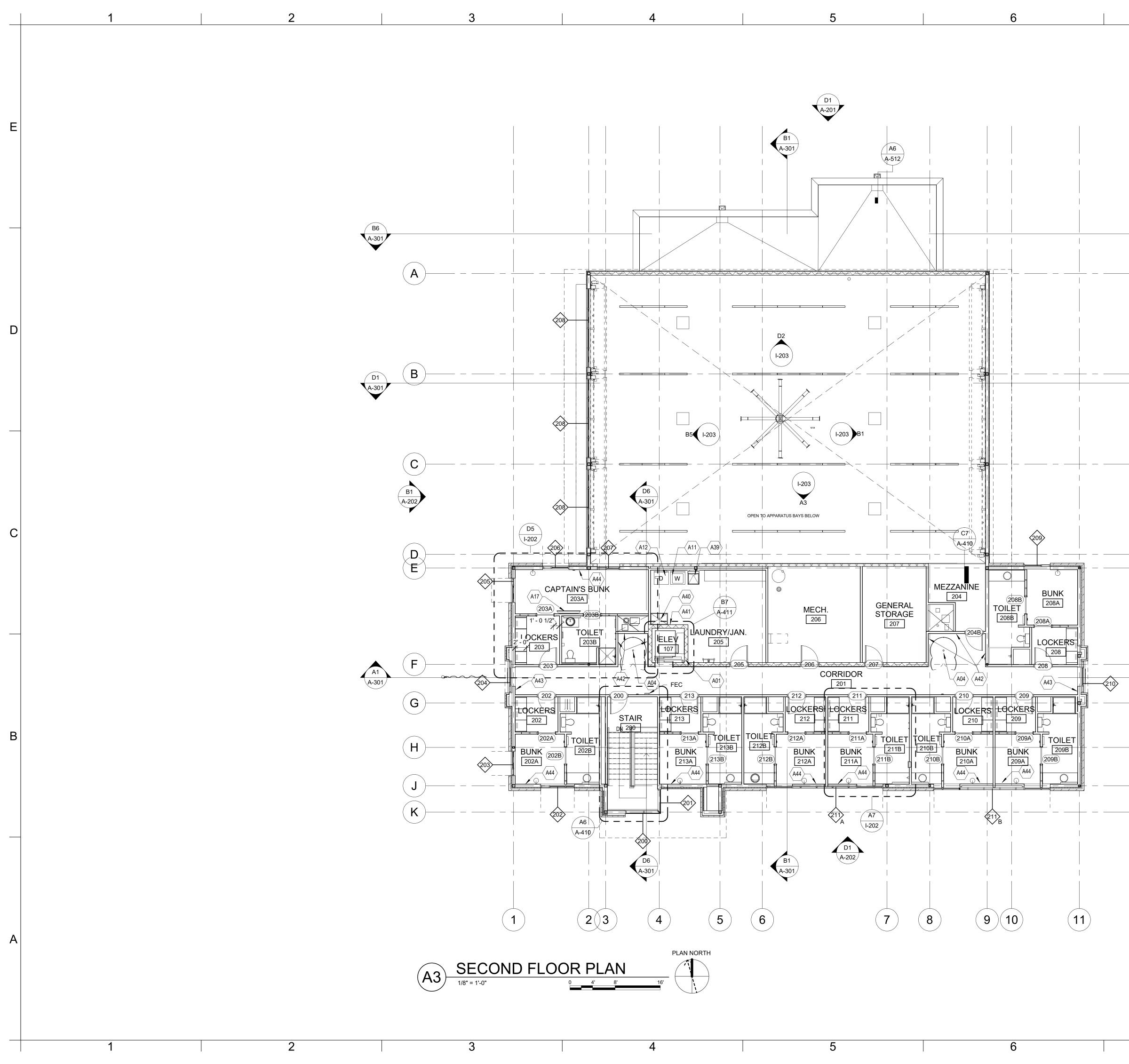
(816) 444-3144

FGMA ARCHITECTS

TEL: (703) 956-5600







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FLOOR PLAN KEYNOTES.

| KEY | DESCRIPTION |
|-----|---|
| A01 | ROOFTOP ACCESS LADDER AND ACCESS HATCH |
| A04 | SLIDING POLE UNIT (1 HR RATED) |
| A11 | HEAVY-DUTY RESIDENTIAL WASHER, OFCI |
| A12 | HEAVY-DUTY RESIDENTIAL DRYER, OFCI |
| A17 | WALL-MOUNTED TV , OFOI. BLOCKING AND TV BRACKET, CFCI |
| A39 | UTILITY SINK |
| A40 | MOP SINK |
| A41 | MOP AND BROOM RACK |
| A42 | P-2 - ACCENT COLOR |
| A43 | P-3 - ACCENT COLOR |
| A44 | P-4 - ACCENT COLOR |



CONSULTING ARCHITECT FGMA ARCHITECTS 11250 ROGER BACON DRIVE, SUITE 16

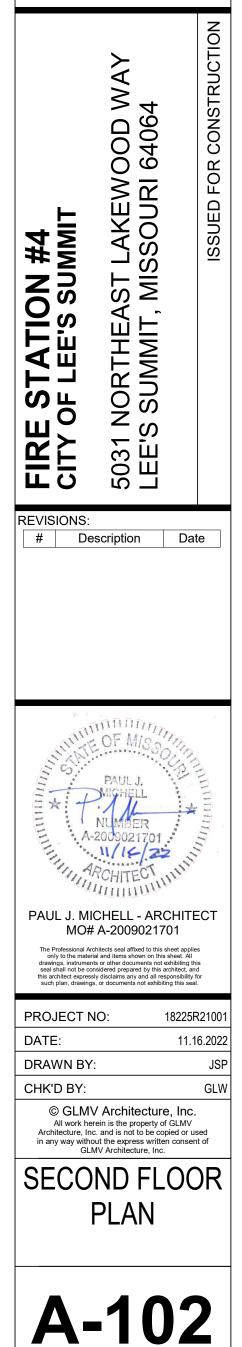
RESTON, VIRGINIA 20190 TEL: (703) 956-5600 CIVIL ENGINEER & LANDSCAPE ARCH.

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STRUCTURAL ENGINEER LEIGH + O'KANE MISSOURI COA #001644 250 NE MULBERRY, SUITE 201 LEE'S SUMMIT, MO 64086 (816) 444-3144

MECH., ELECT. & PLMG. ENGINEERS HOSS & BROWN ENGINEERS MISSOURI COA #01022 15902 MIDLAND DRIVE SHAWNEE, KS 66217 (913) 362.9090

SECURITY & IT ENGINEERS HENDERSON ENGINEERS MISSOURI COA #000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 (816) 663-8700



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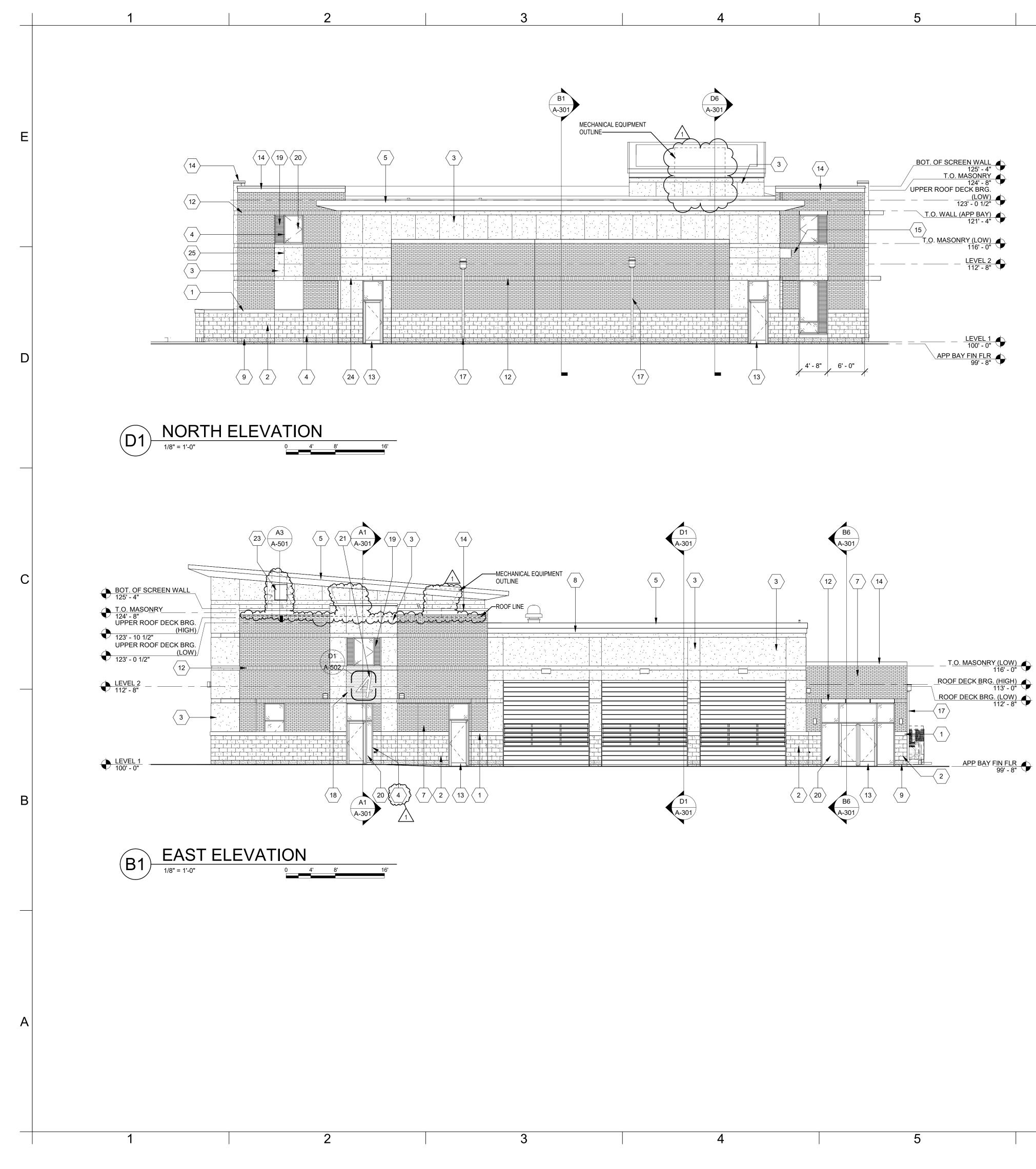
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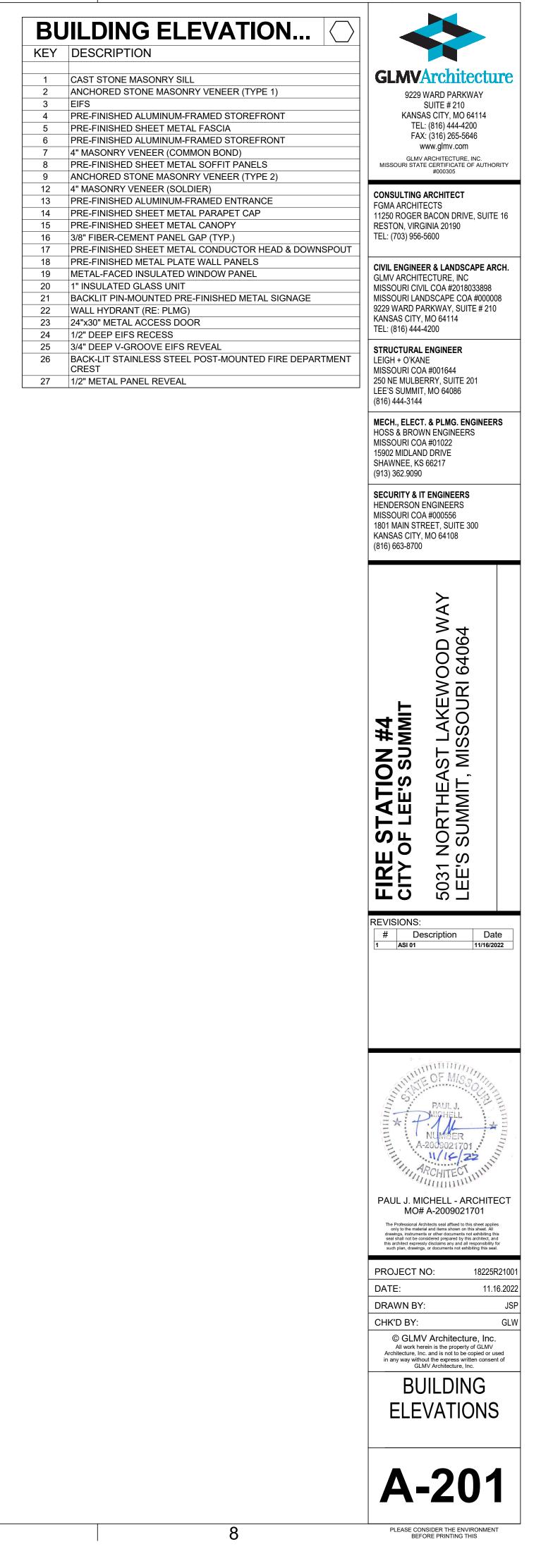
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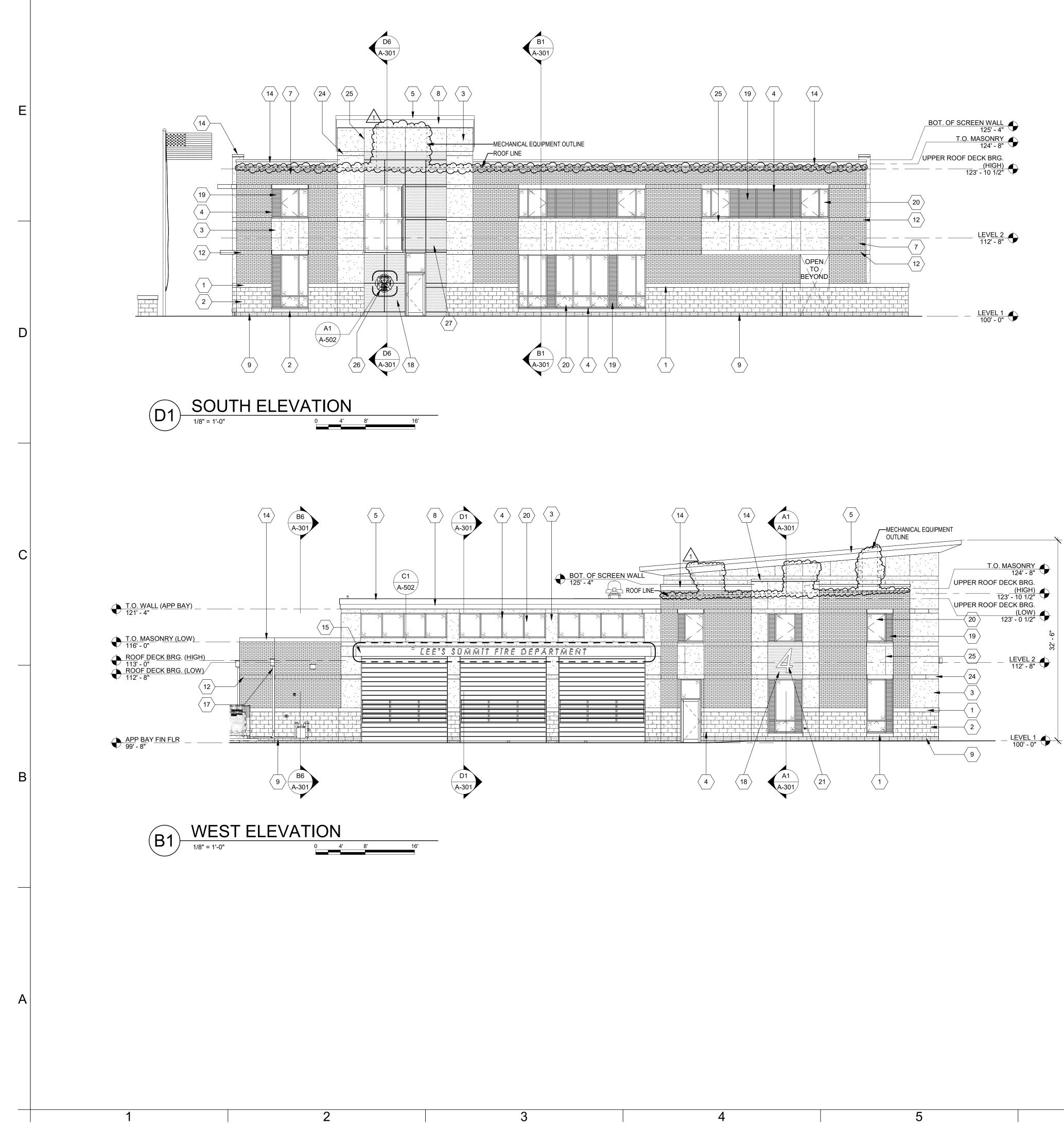
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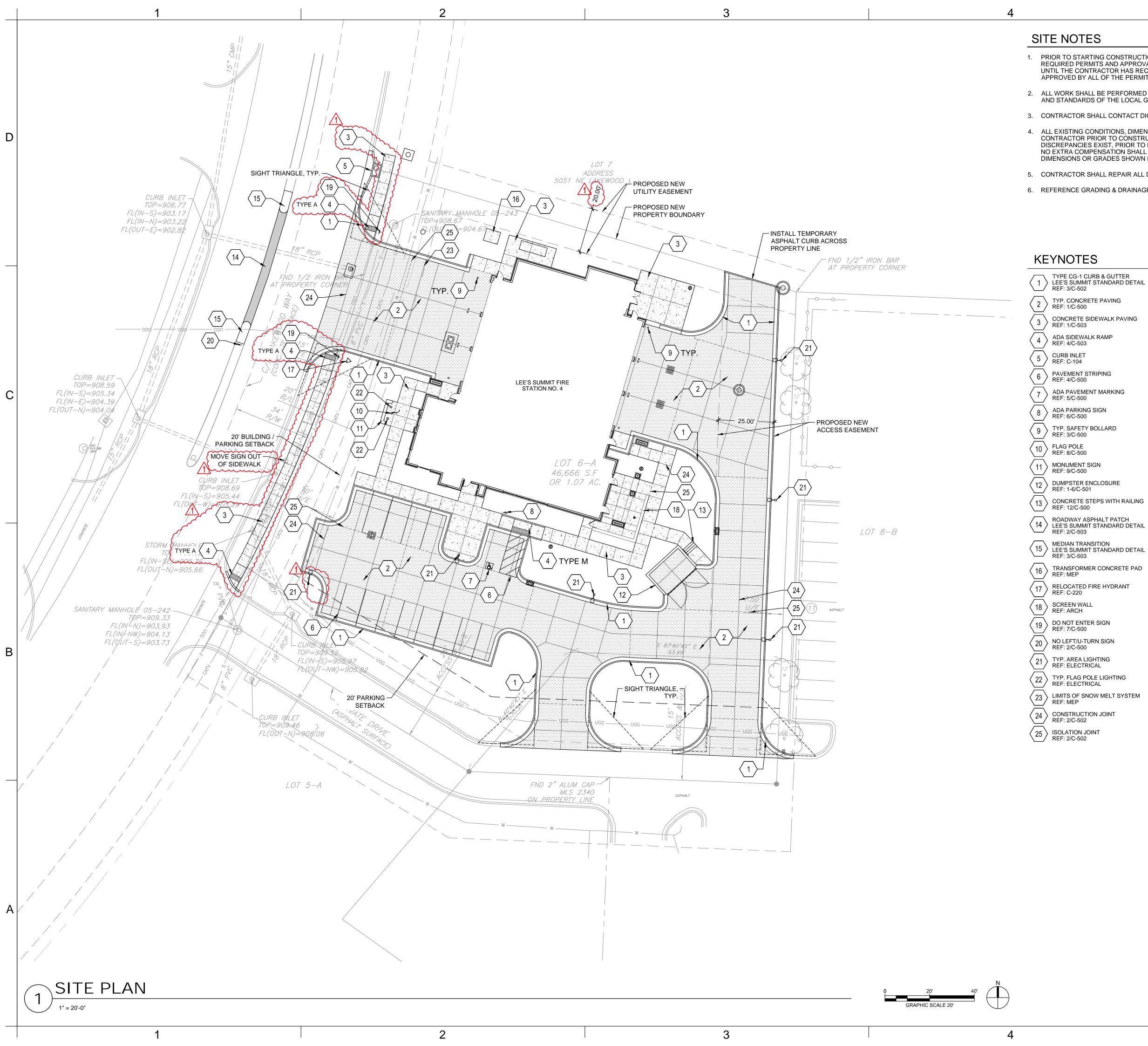
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| | BU | ILDING ELEVATION | • | | | • |
| | KEY | DESCRIPTION | | | | |
| | | | | | | |
| | | | | | SUITE # 210 | |
| | 4 | PRE-FINISHED ALUMINUM-FRAMED STOREFRONT | | TE | L: (816) 444-4200 | ł |
| | 6 | PRE-FINISHED ALUMINUM-FRAMED STOREFRONT | | N N | www.glmv.com | |
| | 8 | PRE-FINISHED SHEET METAL SOFFIT PANELS | | GLMV MISSOURI STA | ARGHITECTURE, INC. TE CERTIFICATE OF AU #000305 | THORITY |
| | 12 | 4" MASONRY VENEER (SOLDIER) | | | | |
| | 14 | PRE-FINISHED SHEET METAL PARAPET CAP | | 11250 ROGER | BACON DRIVE, SU | JITE 16 |
| | 16 | 3/8" FIBER-CEMENT PANEL GAP (TYP.) | | | | |
| | 18 | PRE-FINISHED METAL PLATE WALL PANELS | DWNSPOUT | | | ARCH. |
| | 20 | 1" INSULATED GLASS UNIT | | MISSOURI CIV | /IL COA #20180338 | |
| | | WALL HYDRANT (RE: PLMG) | iE | 9229 WARD P | ARKWAY, SUITE # | |
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| | | | PARTMENT | LEIGH + O'KAI | NE | |
| | 27 | | | 250 NE MULBE | ERRY, SUITE 201 | |
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| | | | | | | EERS |
| | | | | MISSOURI CO 15902 MIDLAN | A #01022 ID DRIVE | |
| | | | | | | |
| | | | | | | |
| | | | | MISSOURI CO 1801 MAIN ST | A #000556 REET, SUITE 300 | |
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1. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE TO MAKE SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.

5

2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS, AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY.

3. CONTRACTOR SHALL CONTACT DIG SAFE PRIOR TO ANY EXCAVATION/DIGGING.

4. ALL EXISTING CONDITIONS, DIMENSIONS, AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER IF ANY DISCREPANCIES EXIST, PRIOR TO PROCEEDING WITH CONSTRUCTION, FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.

5. CONTRACTOR SHALL REPAIR ALL DISTURBED LANDSCAPING.

6. REFERENCE GRADING & DRAINAGE PLAN FOR DETAILED CURB TRANSITION POINTS.

TYPE CG-1 CURB & GUTTER LEE'S SUMMIT STANDARD DETAIL

CONCRETE SIDEWALK PAVING

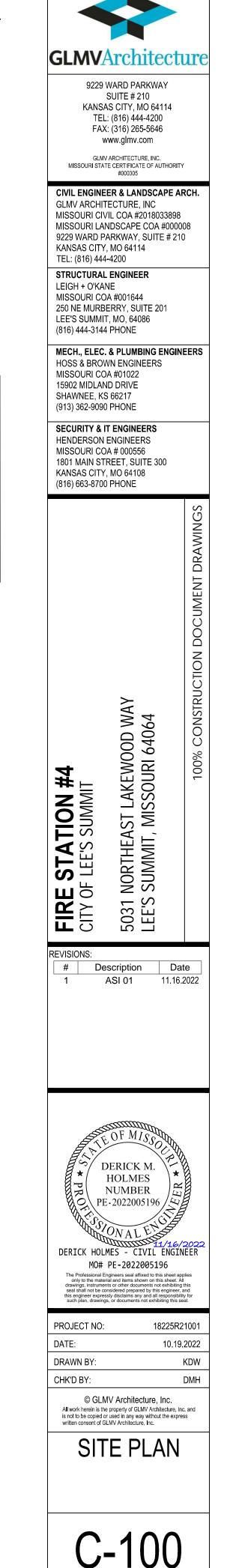
ADA PAVEMENT MARKING

(14) LEE'S SUMMIT STANDARD DETAIL

LEGEND TYP. CURB & GUTTER TYP. CONCRETE PAVING

ASPHALT PATCH

CONCRETE SIDEWALK



PLEASE CONSIDER THE ENVIRONMENT





LAYOUT NOTES

4

1. ALL CURB POINTS INDICATE BACK OF CURB UNLESS OTHERWISE NOTED. 2. SEE UTILITY PLAN FOR ALL UTILITY LOCATIONS AND LAYOUT.

LAYOUT TABLE

| | | - | |
|-----------|--------------|--------------|-------------|
| POINT NO. | NORTHING | EASTING | DESCRIPTION |
| 1 | 1032898.4666 | 2830193.3865 | BLDG |
| 2 | 1032930.4565 | 2830202.7537 | BLDG |
| 3 | 1032926.7096 | 2830215.5497 | BLDG |
| 4 | 1032983.5720 | 2830232.1999 | BLDG |
| 5 | 1032981.1366 | 2830240.5173 | BLDG |
| 6 | 1032991.0130 | 2830243.4111 | BLDG |
| 7 | 1032982.0298 | 2830274.0899 | BLDG |
| 8 | 1032987.5530 | 2830275.3924 | BLDG |
| 9 | 1032980.9960 | 2830297.7855 | BLDG |
| 10 | 1032965.6007 | 2830293.2776 | BLDG |
| 11 | 1032963.1653 | 2830301.5950 | BLDG |
| 12 | 1032915.5400 | 2830287.6496 | BLDG |
| 13 | 1032902.2241 | 2830283.7505 | BLDG |
| 14 | 1032900.6317 | 2830289.1889 | BLDG |
| 15 | 1032872.8005 | 2830281.0396 | BLDG |
| 16 | 1032887.6943 | 2830230.1753 | BLDG |
| 17 | 1032883.2157 | 2830228.8639 | BLDG |
| 18 | 1032891.1054 | 2830219.7122 | BLDG |
| 19 | 1032886.6268 | 2830218.4008 | BLDG |
| 20 | 1032889.3981 | 2830207.7504 | BLDG |
| 21 | 1032893.8767 | 2830209.0618 | BLDG |
| 100 | 1032774.0984 | 2830236.1407 | CURB |
| 101 | 1032788.0184 | 2830251.1687 | CURB |
| 102 | 1032798.6021 | 2830251.5850 | CURB |
| 103 | 1032807.1474 | 2830252.2480 | CURB |
| 104 | 1032822.7345 | 2830241.9193 | CURB |
| 105 | 1032822.9639 | 2830241.1359 | CURB |
| 106 | 1032819.9098 | 2830235.5527 | CURB |
| 107 | 1032807.9135 | 2830232.0400 | CURB |
| 108 | 1032830.9568 | 2830153.3443 | CURB |
| 109 | 1032840.0739 | 2830156.0140 | CURB |
| 110 | 1032849.3793 | 2830150.9238 | CURB |
| 111 | 1032850.6439 | 2830146.6052 | CURB |
| 112 | 1032874.6365 | 2830153.6305 | CURB |
| 113 | 1032873.3719 | 2830157.9492 | CURB |
| 114 | 1032878.4621 | 2830167.2546 | CURB |
| 115 | 1032889.4987 | 2830170.4863 | CURB |
| 116 | 1032876.5720 | 2830214.6326 | CURB |
| 117 | 1032862.6563 | 2830210.5579 | CURB |
| 118 | 1032857.0730 | 2830213.6120 | CURB |
| 119 | 1032855.1059 | 2830220.3299 | CURB |
| 120 | 1032858.1600 | 2830225.9131 | CURB |
| 121 | 1032872.0757 | 2830229.9879 | CURB |
| 122 | 1032866.4554 | 2830249.1819 | CURB |
| 123 | 1032852.5397 | 2830245.1072 | CURB |
| 124 | 1032846.9565 | 2830248.1613 | CURB |
| 125 | 1032838.3651 | 2830277.5021 | CURB |
| 126 | 1032834.9110 | 2830298.5431 | CURB |
| 127 | 1032834.5973 | 2830306.2742 | CURB |
| 128 | 1032836.9936 | 2830308.8735 | CURB |
| 129 | 1032853.6174 | 2830328.5631 | CURB |
| | | | |

| | LAYOL | JT TABLE | |
|----------|--------------|--------------|-------------|
| OINT NO. | NORTHING | EASTING | DESCRIPTION |
| 130 | 1032856.0141 | 2830331.1625 | CURB |
| 131 | 1032881.0650 | 2830332.1775 | CURB |
| 132 | 1032905.4284 | 2830315.0476 | CURB |
| 133 | 1032910.9977 | 2830296.0450 | CURB |
| 134 | 1032902.6403 | 2830293.5978 | CURB |
| 135 | 1032958.5666 | 2830317.3002 | CURB |
| 136 | 1032971.8943 | 2830335.8630 | CURB |
| 137 | 1032984.9734 | 2830336.3938 | CURB |
| 138 | 1032977.7330 | 2830361.1205 | CURB |
| 139 | 1032783.9463 | 2830353.2567 | CURB |
| 140 | 1032768.8692 | 2830367.1848 | CURB |
| 141 | 1032771.0685 | 2830313.1866 | CURB |
| 142 | 1032784.9680 | 2830328.2776 | CURB |
| 143 | 1032794.1568 | 2830328.6505 | CURB |
| 144 | 1032809.2328 | 2830314.7503 | CURB |
| 145 | 1032809.9316 | 2830297.5294 | CURB |
| 146 | 1032810.2684 | 2830292.2719 | CURB |
| 147 | 1032796.3937 | 2830276.5175 | CURB |
| 148 | 1032787.0774 | 2830276.1510 | CURB |
| 149 | 1032772.0204 | 2830290.0301 | CURB |
| 150 | 1032939.7241 | 2830149.9055 | CURB |
| 151 | 1032948.6137 | 2830167.5813 | CURB |
| 152 | 1032937.6942 | 2830204.8730 | CURB |
| 153 | 1033015.1953 | 2830173.6316 | CURB |
| 154 | 1032997.7133 | 2830183.6113 | CURB |
| 155 | 1032986.8644 | 2830220.6601 | CURB |
| 156 | 1032992.6225 | 2830222.3462 | CURB |
| 157 | 1032952.1542 | 2830121.4178 | CURB |
| 158 | 1032953.4743 | 2830117.8512 | CURB |
| 159 | 1033021.0271 | 2830139.4536 | CURB |
| 160 | 1033020.0818 | 2830143.1406 | CURB |
| 161 | 1033038.4377 | 2830179.4824 | CURB |
| 162 | 1033018.1107 | 2830174.3714 | CURB |
| 163 | 1032850.7153 | 2830113.9461 | |
| 164 | 1032841.9942 | 2830119.4201 | CURB |
| 200 | 1032851.7697 | 2830299.3356 | PAVE |
| 201 | 1032866.2054 | 2830303.5626 | PAVE |
| 202 | 1032871.9637 | 2830305.2487 | PAVE |
| 203 | 1032907.1191 | 2830309.2908 | PAVE |
| 204 | 1032868.0874 | 2830318.4867 | PAVE |
| 205 | 1032978.4404 | 2830323.1196 | PAVE |
| 206 | 1032985.4745 | 2830299.0969 | PAVE |
| 207 | 1032986.5168 | 2830258.7664 | PAVE |
| 208 | 1032994.8341 | 2830261.2018 | PAVE |
| 209 | 1033001.0165 | 2830240.0884 | PAVE |
| 210 | 1032988.5004 | 2830236.4235 | PAVE |
| 300 | 1032839.9703 | 2830309.4952 | WALL |
| 301 | 1032849.0374 | 2830301.1351 | WALL |
| 302 | 1032862.3710 | 2830315.5962 | WALL |
| 303 | 1032853.3039 | 2830323.9563 | WALL |
| | | | |

5

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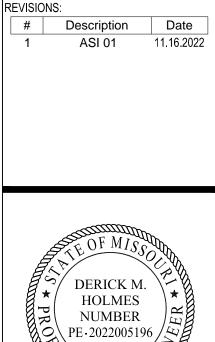
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PROJECT NO: 18225R21001 DATE: 10.19.2022 DRAWN BY: KDW

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LAYOUT PLAN

C-101

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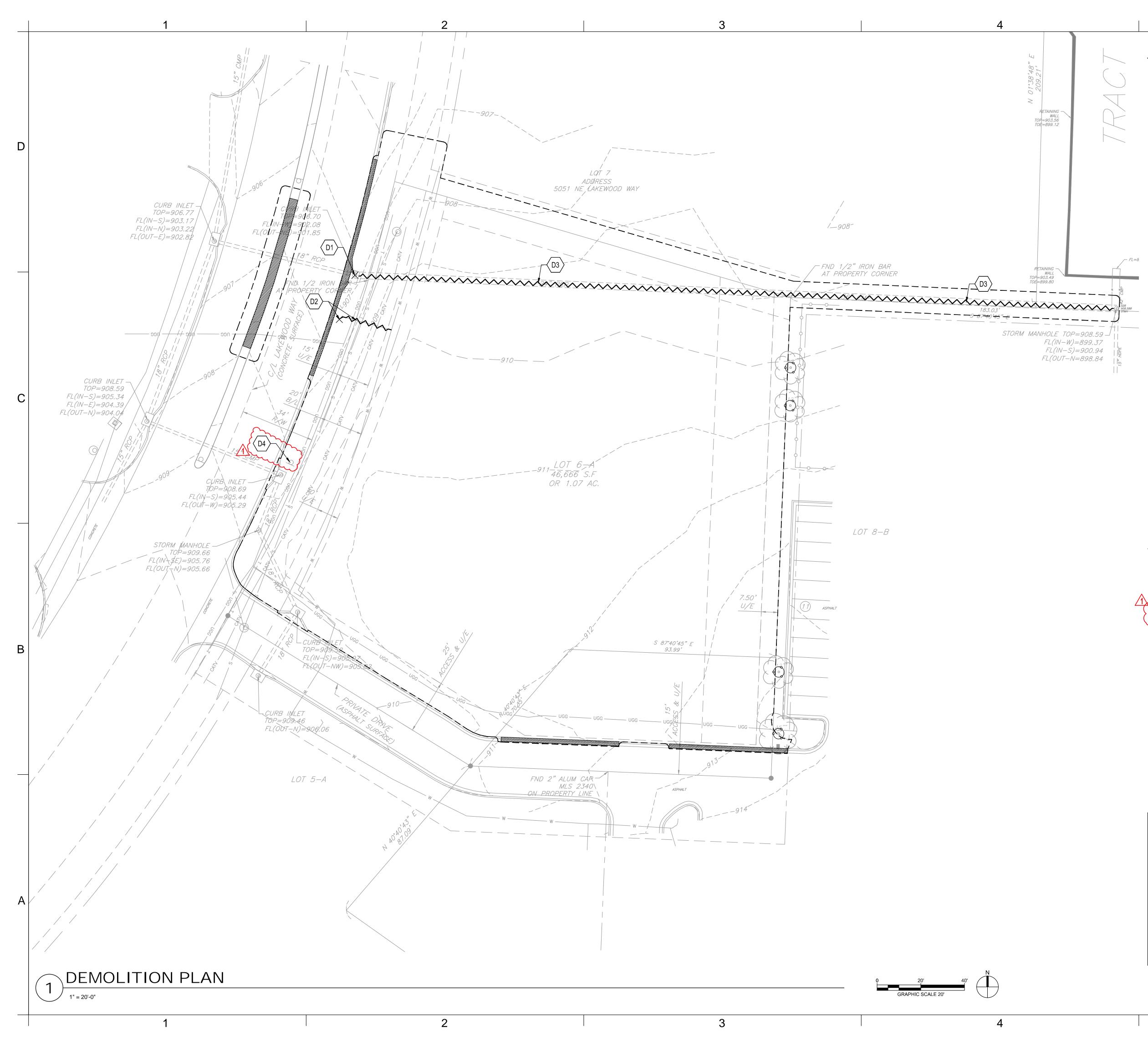
TYP. CURB & GUTTER TYP. CONCRETE PAVING

LEGEND

ASPHALT PATCH

CONCRETE SIDEWALK





DEMOLITION NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL (IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE STRUCTURES, UTILITIES, UNDERGROUND STORAGE TANKS, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING THE DEBRIS IN A LAWFUL MANNER. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
- 3. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
- 4. EXISTING PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING WORK TO BE PERFORMED AND REMOVAL OF ALL SERVICE LINES. CAP ALL LINES BEFORE PROCEEDING WITH THE WORK. UTILITIES DETERMINED TO BE ABANDONED AND LEFT IN PLACE SHALL BE GROUTED IF UNDER BUILDING.
- 5. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY AS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN ROAD RIGHT-OF-WAY DURING CONSTRUCTION.
- 6. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC., (AND OTHER APPROPRIATE BMP'S) AS APPROVED BY OWNER, AUTHORITY HAVING JURISDICTION, AND CONSTRUCTION MANAGER.
- 7. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.
- 8. PRIOR TO ANY DEMOLITION OCCURRING, ALL EROSION CONTROL DEVICES MUST BE INSTALLED.
- 9. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST AND TO THE SATISFACTION OF THE OWNER.
- 10. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
- 11. CONTRACTOR TO CLEAR SITE TO EXTENTS NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS.
- 12. CONTRACTOR SHALL REMOVE ALL TREES AND SHRUBS WITHIN PROPERTY BOUNDARY LIMITS NOT INDICATED AS PROTECTED OR TO REMAIN.

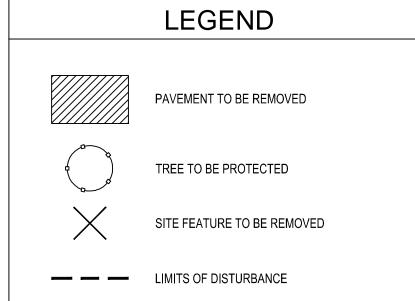
KEYNOTES

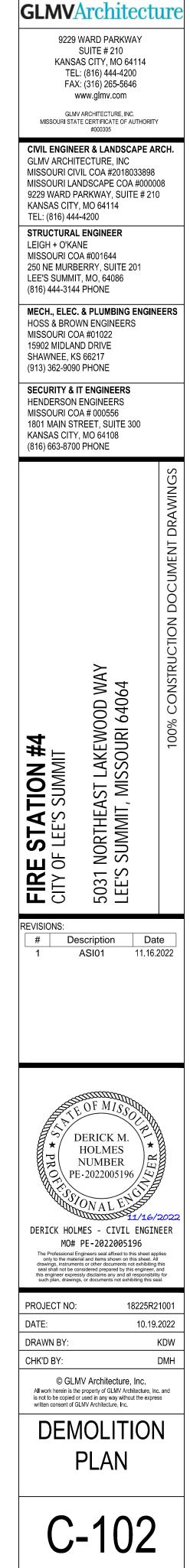
 $\left< D1 \right>$ REMOVE CURB INLET. CONVERT TO JUNCTION BOX. REF: C-104 - GRADING & DRAINAGE PLAN

- D2 RELOCATE FIRE HYDRANT. REF: C-220 - PUBLIC WATER PLAN & PROFILE
 - REMOVE AND RELOCATE STORMWATER PIPE
 - REF: C-104 GRADING & DRAINAGE PLAN

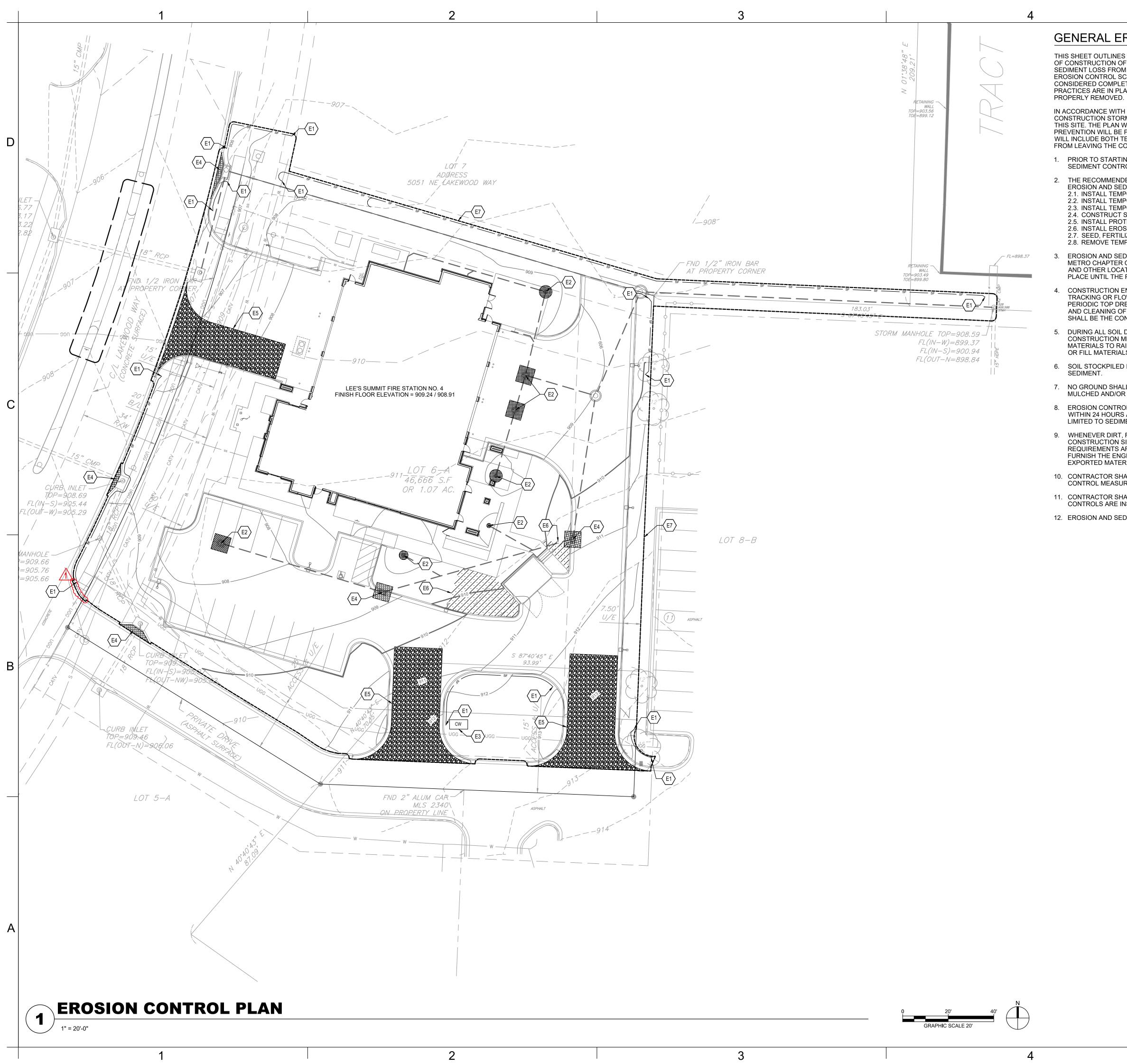
REMOVE AND REPLACE EXISTING SIGN TO AVOID PROPOSED SIDEWALK.

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PLEASE CONSIDER THE ENVIRONMENT



GENERAL EROSION AND SEDIMENT CONTROL NOTES:

THIS SHEET OUTLINES MINIMUM STORMWATER PRACTICES TO BE FOLLOWED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION OF THE PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR PREVENTION OF SOIL OR SEDIMENT LOSS FROM THE CONSTRUCTION SITE. THE CONTRACTOR SHALL SUBMIT A SITE-SPECIFIC SEDIMENT AND EROSION CONTROL SCHEDULE. THESE NOTES ARE TO BE USED AS A GUIDELINE ONLY. THE PROJECT IS NOT CONSIDERED COMPLETE UNTIL ALL PERMANENT EROSION AND SEDIMENT CONTROLS AND STORMWATER MANAGEMENT PRACTICES ARE IN PLACE TO THE SATISFACTION OF THE OWNER AND ENGINEER. ALL TEMPORARY PRACTICES MUST BE

IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS PURSUANT TO THE GENERAL NPDES PERMIT FOR CONSTRUCTION STORMWATER, A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN DEVELOPED FOR THIS SITE. THE PLAN WAS DEVELOPED TO MINIMIZE THE EFFECTS OF SOIL EROSION AND RESULTING SEDIMENT LOSS. PREVENTION WILL BE PROVIDED THROUGH THE USE OF PROPER CONSTRUCTION TECHNIQUES. THESE TECHNIQUES WILL INCLUDE BOTH TEMPORARY AND PERMANENT MANAGEMENT PRACTICES. TO PREVENT EROSION AND SEDIMENT FROM LEAVING THE CONSTRUCTION SITE, THE FOLLOWING STEPS SHALL BE TAKEN DURING CONSTRUCTION:

1. PRIOR TO STARTING ANY SOIL DISTURBING ACTIVITIES, THE CONTRACTOR SHALL INSTALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES AND GRAVEL CONSTRUCTION ENTRANCES.

2. THE RECOMMENDED SEQUENCE OF CONSTRUCTION ACTIVITIES AND OF THE INSTALLATION AND REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES IS AS FOLLOWS:

- 2.1. INSTALL TEMPORARY GRAVEL CONSTRUCTION ENTRANCES 2.2. INSTALL TEMPORARY PERIMETER SILT FENCE
- 2.3. INSTALL TEMPORARY EXISTING CURB INLET PROTECTION 2.4. CONSTRUCT SITE IMPROVEMENTS
- 2.5. INSTALL PROTECTION FOR NEWLY INSTALLED CURB INLETS, AREA INLETS, AND JUNCTION BOXES
- 2.6. INSTALL EROSION AND SEDIMENT CONTROL BLANKETS 2.7. SEED, FERTILIZE, AND MULCH ALL SLOPES AND DISTURBED AREAS
- 2.8. REMOVE TEMPORARY PRACTICES, PERIMETER CONTROLS, AND SITE CLEANUP.

EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE KANSAS CITY METRO CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION. INSTALL SILT FENCE AT INDICATED LOCATIONS AND OTHER LOCATIONS AS DIRECTED BY THE ENGINEER TO CONTROL SOIL EROSION. SILT FENCE SHALL BE KEPT IN PLACE UNTIL THE PROJECT IS STABILIZED.

CONSTRUCTION ENTRANCE SHALL BE MAINTAINED BY THE CONTRACTOR IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS AND PAVED STREETS. THIS MAY INCLUDE PERIODIC TOP DRESSING WITH ADDITIONAL CRUSHED STONE AS CONDITIONS WARRANT. REPAIR OF ENTRANCE(S) AND CLEANING OF RIGHT-OF-WAYS AND PAVED STREETS THAT HAVE BEEN SOILED BY CONSTRUCTION ACTIVITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

DURING ALL SOIL DISTURBING ACTIVITIES, THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS USING ACCEPTED CONSTRUCTION METHODS TO MINIMIZE THE TIME OF EXPOSURE OF UNPROTECTED SOIL AND OTHER CONSTRUCTION MATERIALS TO RAINFALL. PARTICULAR CARE MUST BE EXERCISED WHEN DEALING WITH STOCKPILES OF TOPSOIL OR FILL MATERIALS AND WITH SOIL ON SLOPES.

6. SOIL STOCKPILED FOR MORE THAN 7 DAYS WILL HAVE SILT FENCE PLACED ON THE DOWNHILL SIDE TO TRAP

7. NO GROUND SHALL BE LEFT DISTURBED FOR MORE THAN 14 DAYS OF NON-ACTIVITY WITHOUT BEING TEMPORARILY MULCHED AND/OR SEEDED.

8. EROSION CONTROLS SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR NOT LESS THAN WEEKLY AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR MORE. MAINTENANCE SHALL INCLUDE BUT NOT BE LIMITED TO SEDIMENT REMOVAL AND SILT FENCE REPAIR AND/OR REPLACEMENT.

9. WHENEVER DIRT, ROCK, OR OTHER MATERIALS ARE EXPORTED FOR PLACEMENT IN AREAS OFF THE PRIMARY CONSTRUCTION SITE, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THAT ALL JURISDICTIONAL AUTHORITY REQUIREMENTS ARE MET. PRIOR TO THE REMOVAL OF ANY MATERIALS FROM THE SITE THE CONTRACTOR WILL FURNISH THE ENGINEER WITH A WRITTEN AGREEMENT, SIGNED BY EACH LANDOWNER WHO WILL RECEIVE EXPORTED MATERIALS, STATING THAT THE RECEIVING SITE WILL BE PROPERLY PERMITTED, WHEN REQUIRED.

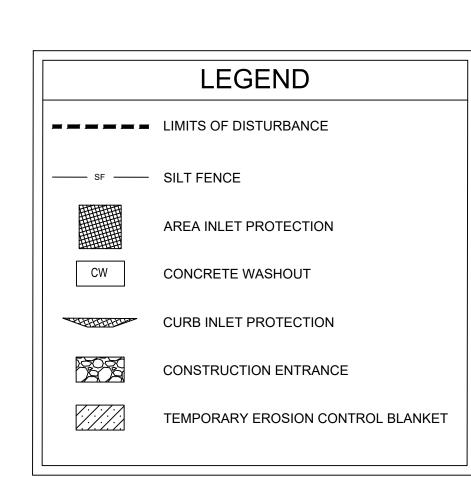
10. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS AND EXPENSES OF PROVIDING EROSION AND SEDIMENT CONTROL MEASURES.

11. CONTRACTOR SHALL KEEP A WRITTEN LOG OF WHEN CONSTRUCTION ACTIVITIES BEGIN, EROSION AND SEDIMENT CONTROLS ARE INSTALLED, INSPECTED, AND REPAIRED. COPIES OF LOG SHALL BE FURNISHED TO THE ENGINEER. 12. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED UPON STABILIZATION OF DISTURBED AREAS.

EROSION CONTROL KEYNOTES



- $\left< E2 \right>$ AREA INLET AND JUNCTION BOX PROTECTION REF: 1 / C-511
- E3 CONCRETE WASHOUT REF: 1 / C-510
- E4 CURB INLET PROTECTION REF: 4 / C-510
- $\langle E5 \rangle$ CONSTRUCTION ENTRANCE REF: 1 / C-510
- E6 TEMPORARY EROSION CONTROL BLANKET REF: 2 / C-510
- (E7) LIMITS OF DISTURBANCE



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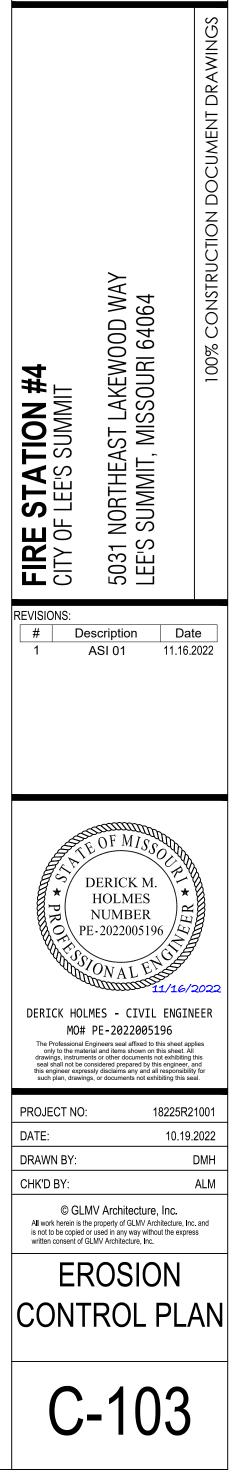
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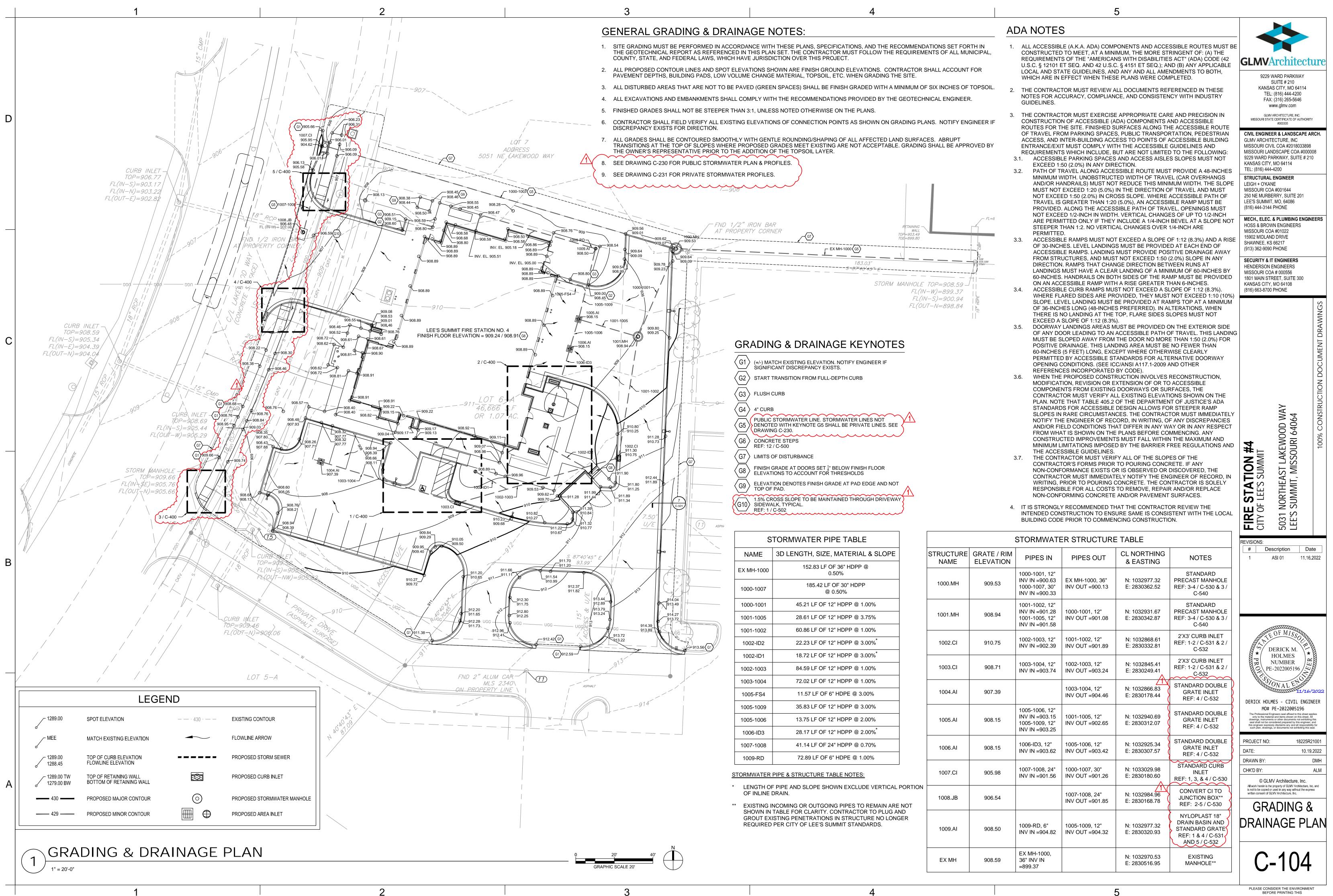
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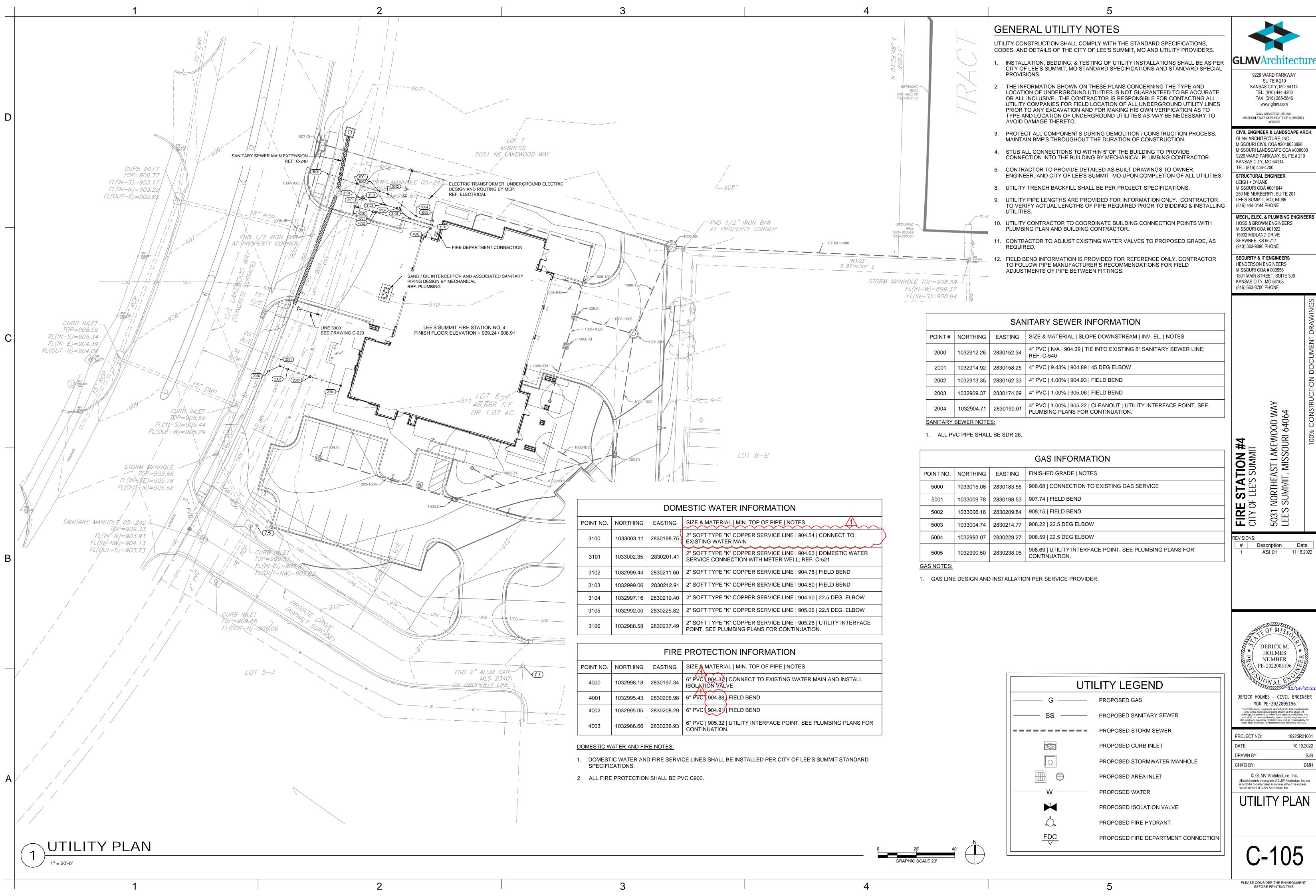
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SECURITY & IT ENGINEERS HENDERSON ENGINEERS MISSOURI COA # 000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 (816) 663-8700 PHONE







| DOMESTIC WATER INFORMATION | |
|----------------------------|--|
| | |

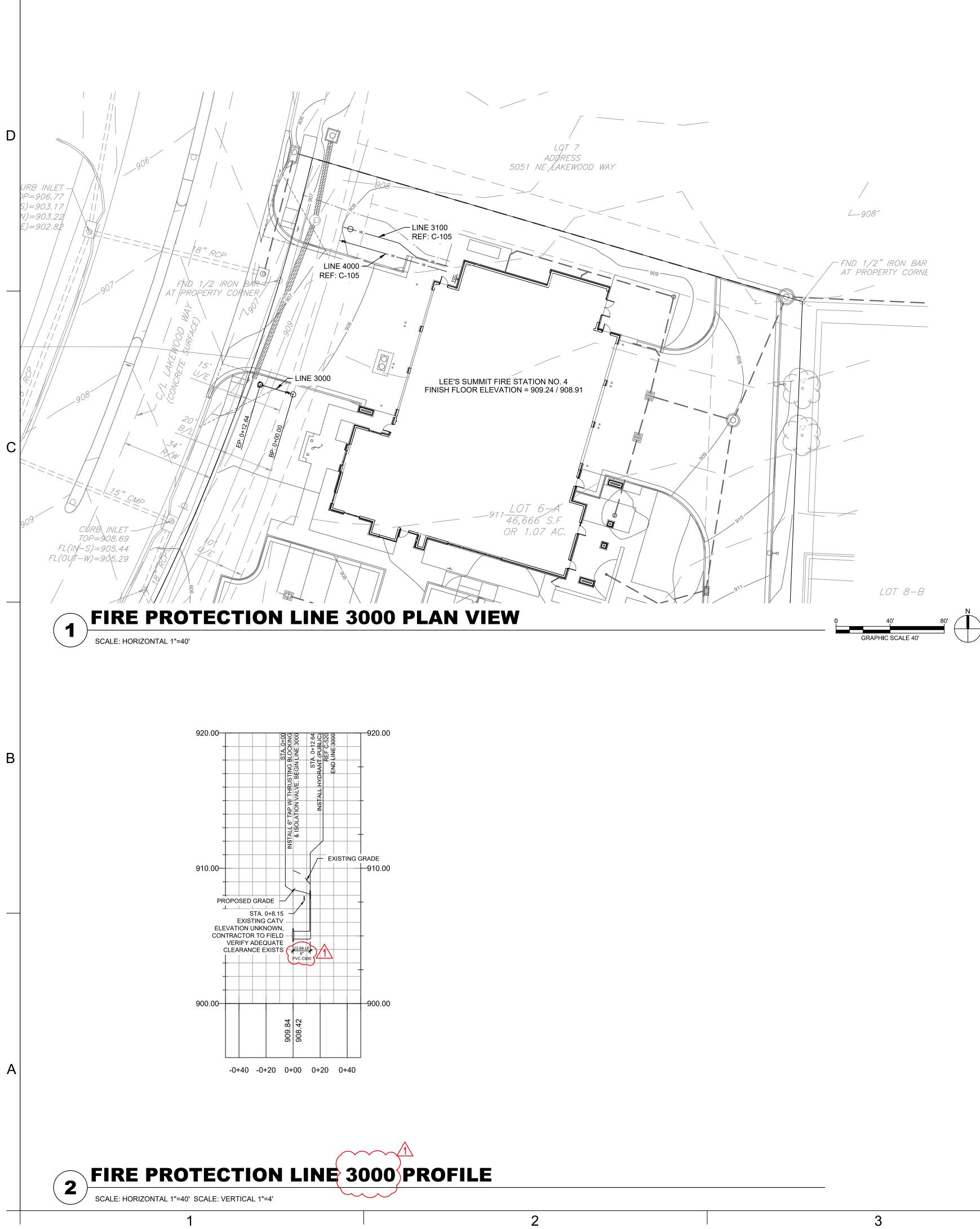
| POINT NO. | NORTHING | EASTING | SIZE & MATERIAL MIN. TOP OF PIPE NOTES |
|-----------|------------|------------|--|
| 3100 | 1033003.11 | 2830198.75 | 2" SOFT TYPE "K" COPPER SERVICE LINE 904.54 CONNECT TO EXISTING WATER MAIN |
| 3101 | 1033002.35 | 2830201.41 | 2" SOFT TYPE "K" COPPER SERVICE LINE 904.63 DOMESTIC WATER SERVICE CONNECTION WITH METER WELL; REF: C-521 |
| 3102 | 1032999.44 | 2830211.60 | 2" SOFT TYPE "K" COPPER SERVICE LINE 904.78 FIELD BEND |
| 3103 | 1032999.06 | 2830212.91 | 2" SOFT TYPE "K" COPPER SERVICE LINE 904.80 FIELD BEND |
| 3104 | 1032997.16 | 2830219.40 | 2" SOFT TYPE "K" COPPER SERVICE LINE 904.90 22.5 DEG. ELBOW |
| 3105 | 1032992.00 | 2830225.82 | 2" SOFT TYPE "K" COPPER SERVICE LINE 905.06 22.5 DEG. ELBOW |
| 3106 | 1032988.58 | 2830237.49 | 2" SOFT TYPE "K" COPPER SERVICE LINE 905.28 UTILITY INTERFACE POINT. SEE PLUMBING PLANS FOR CONTINUATION. |

| FIRE PROTECTION INFORMATION | | | | |
|-----------------------------|------------|------------|---|--|
| POINT NO. | NORTHING | EASTING | SIZE & MATERIAL MIN. TOP OF PIPE NOTES | |
| 4000 | 1032998.18 | 2830197.34 | 6" PVC 904.37 CONNECT TO EXISTING WATER MAIN AND INSTALL ISOLATION VALVE | |
| 4001 | 1032995.43 | 2830206.98 | 6" PVC 904.88) FIELD BEND | |
| 4002 | 1032995.05 | 2830208.29 | 6" PVC 904.91 FIELD BEND | |
| 4003 | 1032986.66 | 2830236.93 | 6" PVC 905.32 UTILITY INTERFACE POINT. SEE PLUMBING PLANS FOR CONTINUATION. | |

| | | | REF: C-540 |
|------|------------|------------|---|
| 2001 | 1032914.92 | 2830158.25 | 4" PVC 9.43% 904.89 45 DEG ELBOW |
| 2002 | 1032913.35 | 2830162.33 | 4" PVC 1.00% 904.93 FIELD BEND |
| 2003 | 1032909.37 | 2830174.09 | 4" PVC 1.00% 905.06 FIELD BEND |
| 2004 | 1032904.71 | 2830190.01 | 4" PVC 1.00% 905.22 CLEANOUT ; UTILITY INTERFACE POINT. SEE PLUMBING PLANS FOR CONTINUATION. |
| | | с. | |

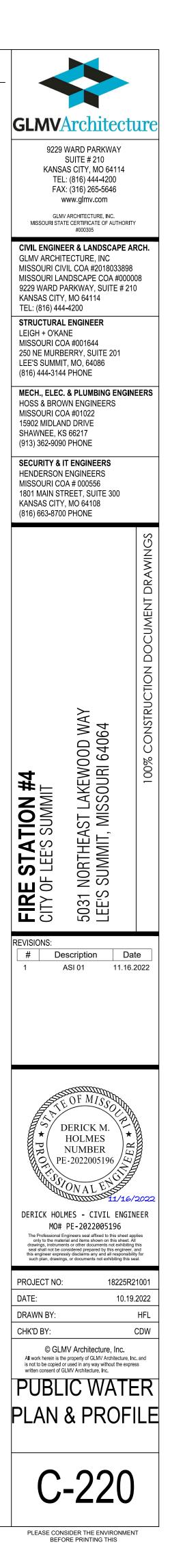
| | | | GAS INFORMATION | |
|-----------|------------|------------|--|---|
| POINT NO. | NORTHING | EASTING | FINISHED GRADE NOTES | |
| 5000 | 1033015.08 | 2830183.55 | 906.68 CONNECTION TO EXISTING GAS SERVICE | |
| 5001 | 1033009.78 | 2830198.53 | 907.74 FIELD BEND | |
| 5002 | 1033006.16 | 2830209.84 | 908.15 FIELD BEND | |
| 5003 | 1033004.74 | 2830214.77 | 908.22 22.5 DEG ELBOW | |
| 5004 | 1032993.07 | 2830229.27 | 908.59 22.5 DEG ELBOW | F |
| 5005 | 1032990.50 | 2830238.05 | 908.69 UTILITY INTERFACE POINT. SEE PLUMBING PLANS FOR CONTINUATION. | |
| OAO NOTEO | | | | |

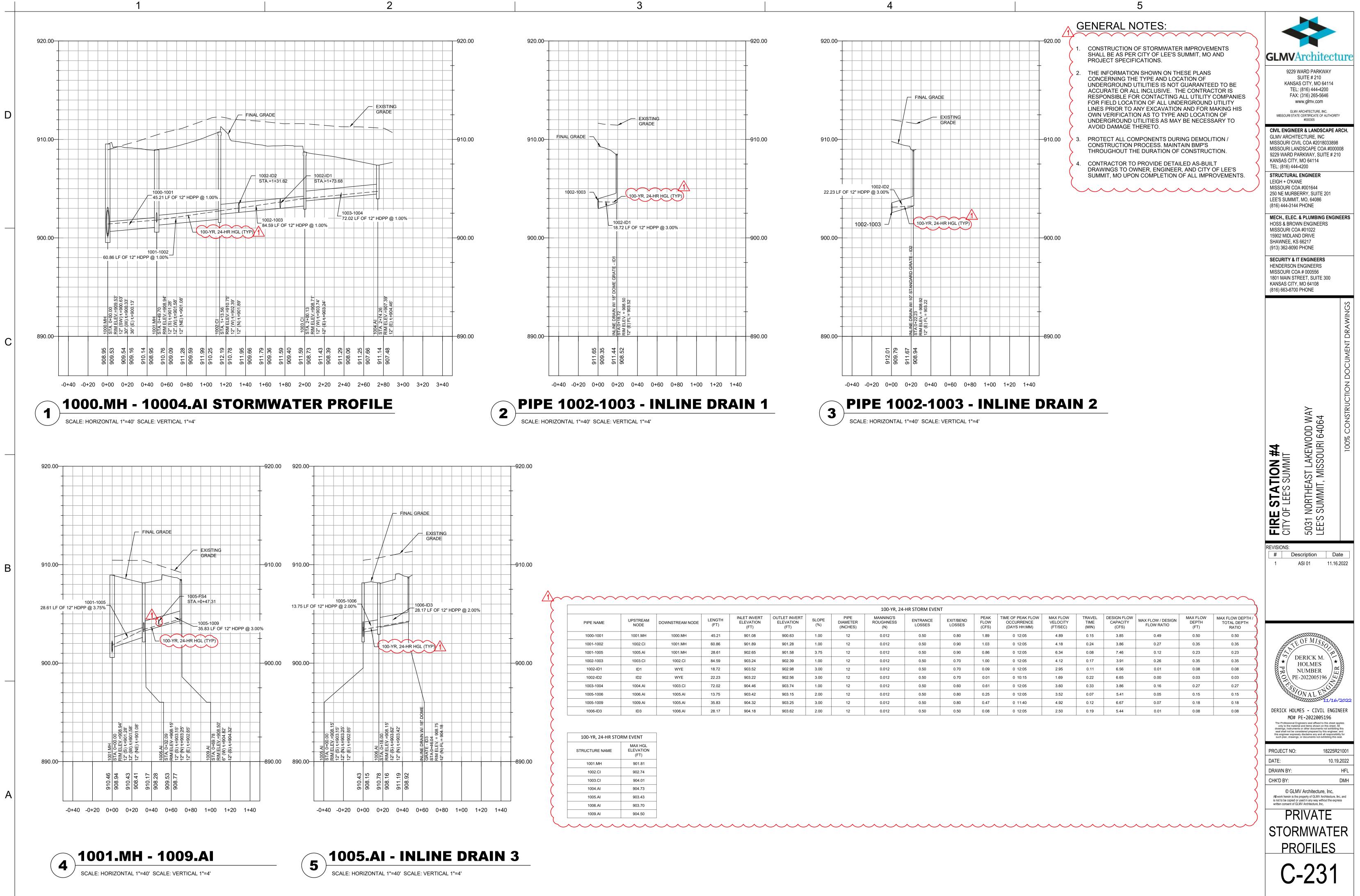
5031 Northeast Lee's Summit, Mi # Description Date ASI 01 11.16.2022 A S PE 2022005196 / DERICK HOLMES - CIVIL ENGINEER MO# PE-2022005196 e Professional Engineers seal affixed to this sheet unity to the material and items shown on this sheet app. drawings, instruments or other documents not exhibiting this seal shall not be considered prepared by the activity s engineer exerct of the second statement of the s 18225R21001 10.19.2022 SJB DMH



GENERAL NOTES:

1. SEE DRAWING C-105 FOR GENERAL NOTES APPLICABLE TO THIS DRAWING.

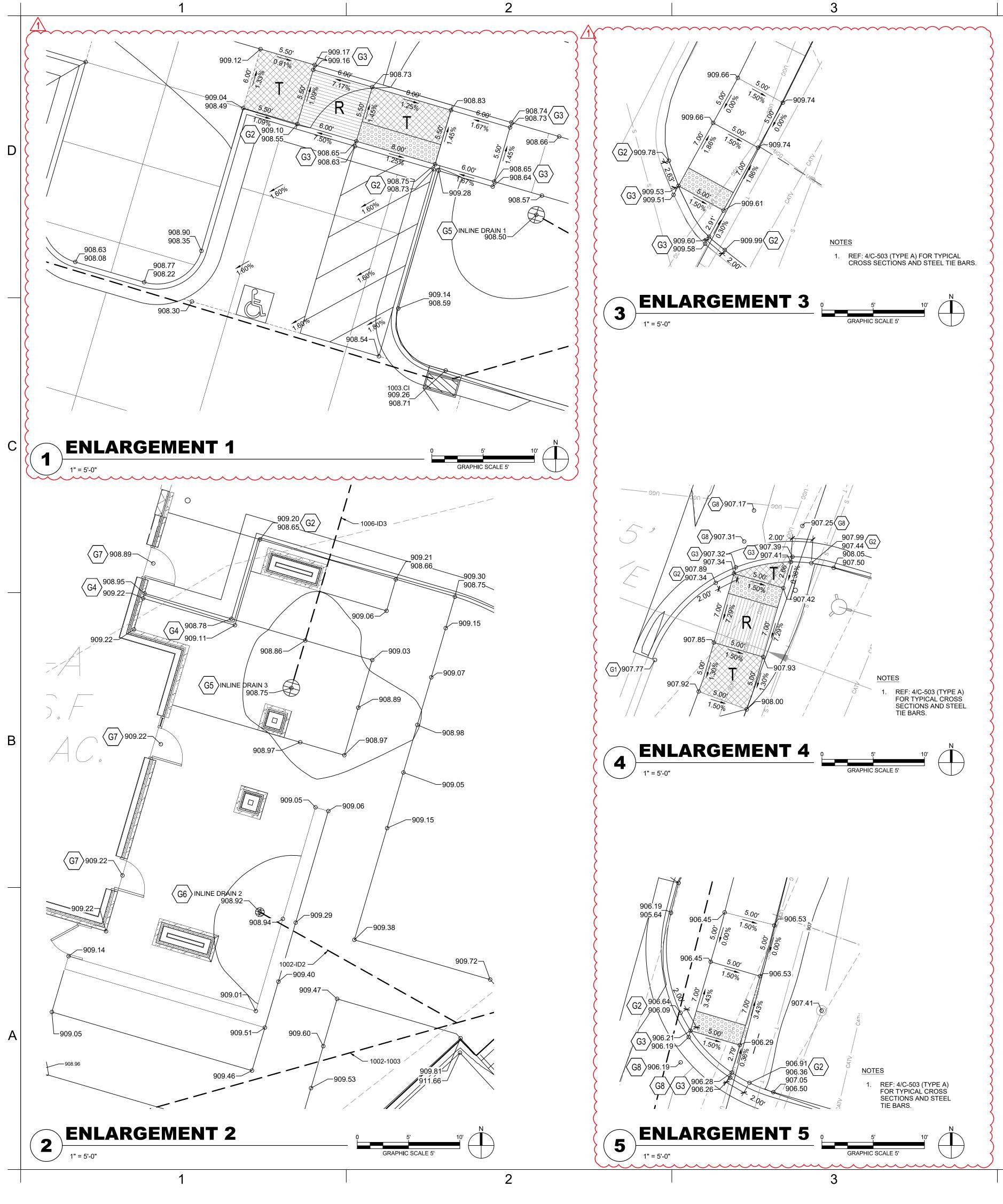




| | | | | | | | | 100-YR, 24 | -HR STORM EVEN | 1T |
|-----------|------------------|-----------------|----------------|-----------------------------------|------------------------------------|--------------|------------------------------|-------------------------------|--------------------|---------------|
| PIPE NAME | UPSTREAM NODE | DOWNSTREAM NODE | LENGTH (FT) | INLET INVERT ELEVATION (FT) | OUTLET INVERT ELEVATION (FT) | SLOPE (%) | PIPE DIAMETER (INCHES) | MANNING'S ROUGHNESS (N) | ENTRANCE LOSSES | EXIT/E LOS |
| 1000-1001 | 1001.MH | 1000.MH | 45.21 | 901.08 | 900.63 | 1.00 | 12 | 0.012 | 0.50 | 8.0 |
| 1001-1002 | 1002.CI | 1001.MH | 60.86 | 901.89 | 901.28 | 1.00 | 12 | 0.012 | 0.50 | 0.9 |
| 1001-1005 | 1005.AI | 1001.MH | 28.61 | 902.65 | 901.58 | 3.75 | 12 | 0.012 | 0.50 | 0.9 |
| 1002-1003 | 1003.CI | 1002.CI | 84.59 | 903.24 | 902.39 | 1.00 | 12 | 0.012 | 0.50 | 0.7 |
| 1002-ID1 | ID1 | WYE | 18.72 | 903.52 | 902.98 | 3.00 | 12 | 0.012 | 0.50 | 0.7 |
| 1002-ID2 | ID2 | WYE | 22.23 | 903.22 | 902.56 | 3.00 | 12 | 0.012 | 0.50 | 0.7 |
| 1003-1004 | 1004.AI | 1003.CI | 72.02 | 904.46 | 903.74 | 1.00 | 12 | 0.012 | 0.50 | 0.6 |
| 1005-1006 | 1006.AI | 1005.AI | 13.75 | 903.42 | 903.15 | 2.00 | 12 | 0.012 | 0.50 | 0.8 |
| 1005-1009 | 1009.AI | 1005.AI | 35.83 | 904.32 | 903.25 | 3.00 | 12 | 0.012 | 0.50 | 0.8 |
| 1006-ID3 | ID3 | 1006.AI | 28.17 | 904.18 | 903.62 | 2.00 | 12 | 0.012 | 0.50 | 0.5 |

| 100-YR, 24-HR STO | RM EVENT |
|-------------------|----------|
| | MAX HGI |

| STRUCTURE NAME | MAX HGL ELEVATION (FT) |
|----------------|------------------------------|
| 1001.MH | 901.81 |
| 1002.CI | 902.74 |
| 1003.CI | 904.01 |
| 1004.AI | 904.73 |
| 1005.AI | 903.43 |
| 1006.AI | 903.70 |
| 1009.AI | 904.50 |
| | |





GENERAL GRADING & DRAINAGE NOTES:

1. SEE DRAWING C-104 FOR GENERAL GRADING & DRAINAGE NOTES APPLICABLE TO THIS DRAWING.

ADA NOTES:

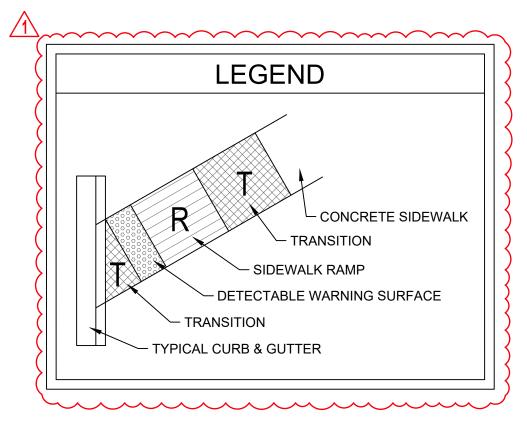
1. SEE DRAWING C-104 FOR GENERAL ADA NOTES APPLICABLE TO THIS DRAWING.

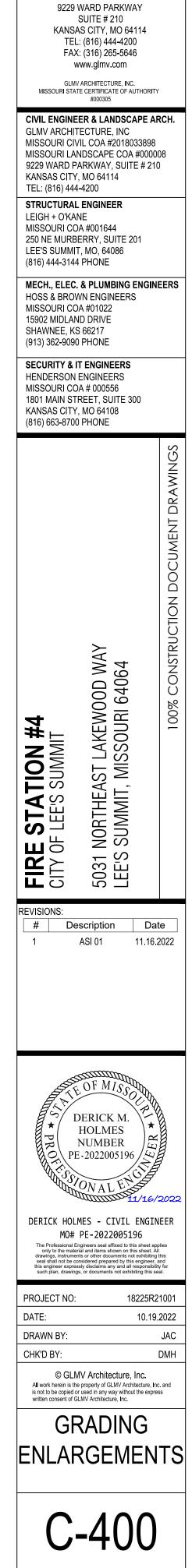


GRADING & DRAINAGE KEYNOTES

G1 (+/-) MATCH EXISTING ELEVATION. NOTIFY ENGINEER IF SIGNIFICANT DISCREPANCY EXISTS.

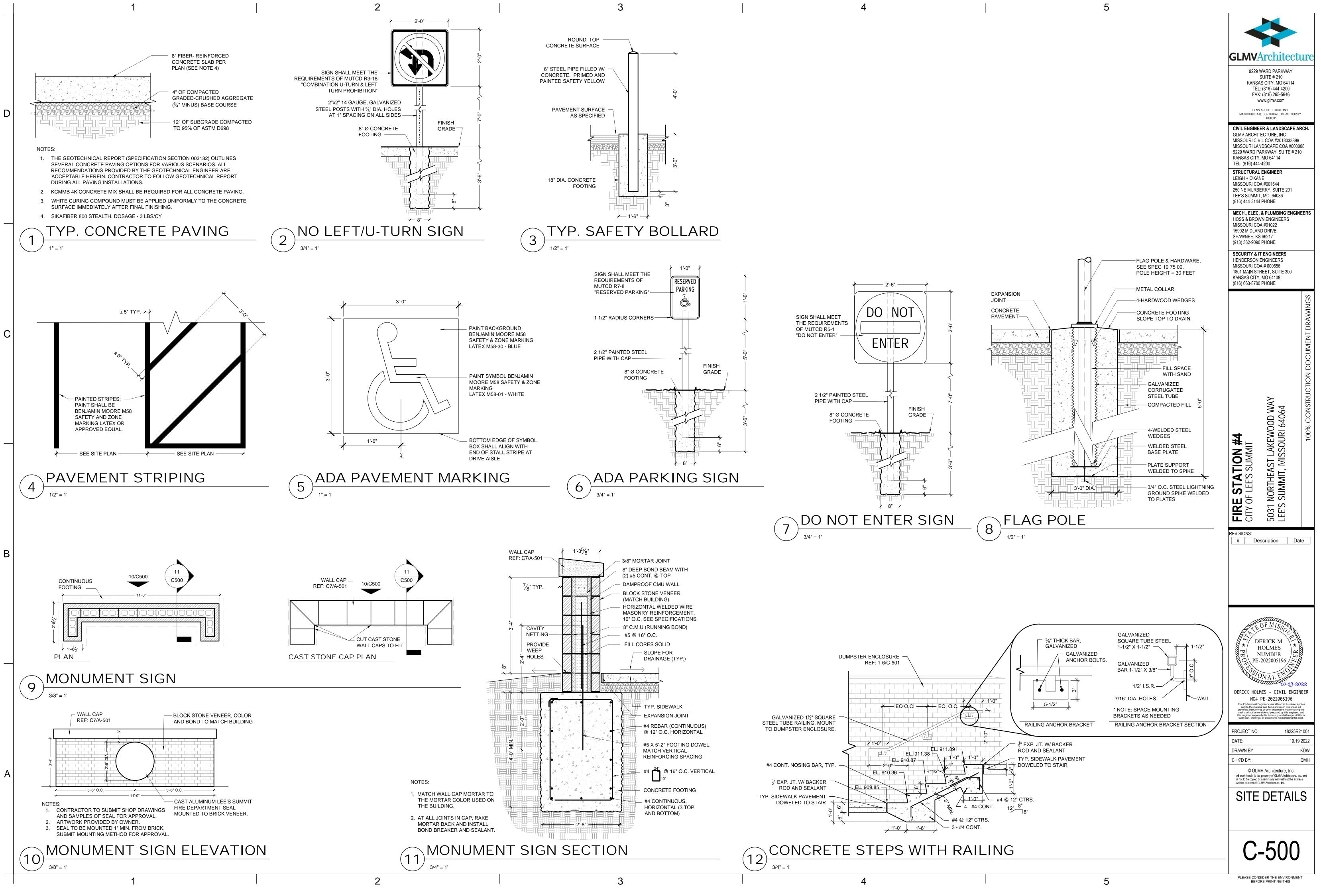
- $\langle G2 \rangle$ START TRANSITION FROM FULL-DEPTH CURB
- G3 FLUSH CURB
- $\langle G4 \rangle$ 4" CURB
- INLINE DRAIN WITH 18" DOME GRATE. $\langle G5 \rangle$ REF: C-231 & C-532
- $\left< G7 \right>$ FINISH GRADE AT DOORS SET $\frac{1}{4}$ " BELOW FINISH FLOOR ELEVATIONS TO ACCOUNT FOR THRESHOLDS
- $\label{eq:G8} \begin{array}{|c|c|c|c|} \hline & 1.5\% \text{ CROSS SLOPE TO BE MAINTAINED THROUGH DRIVEWAY} \\ \hline & \text{SIDEWALK, TYPICAL.} \\ & \text{REF: } 1 / \text{C-502} \end{array}$

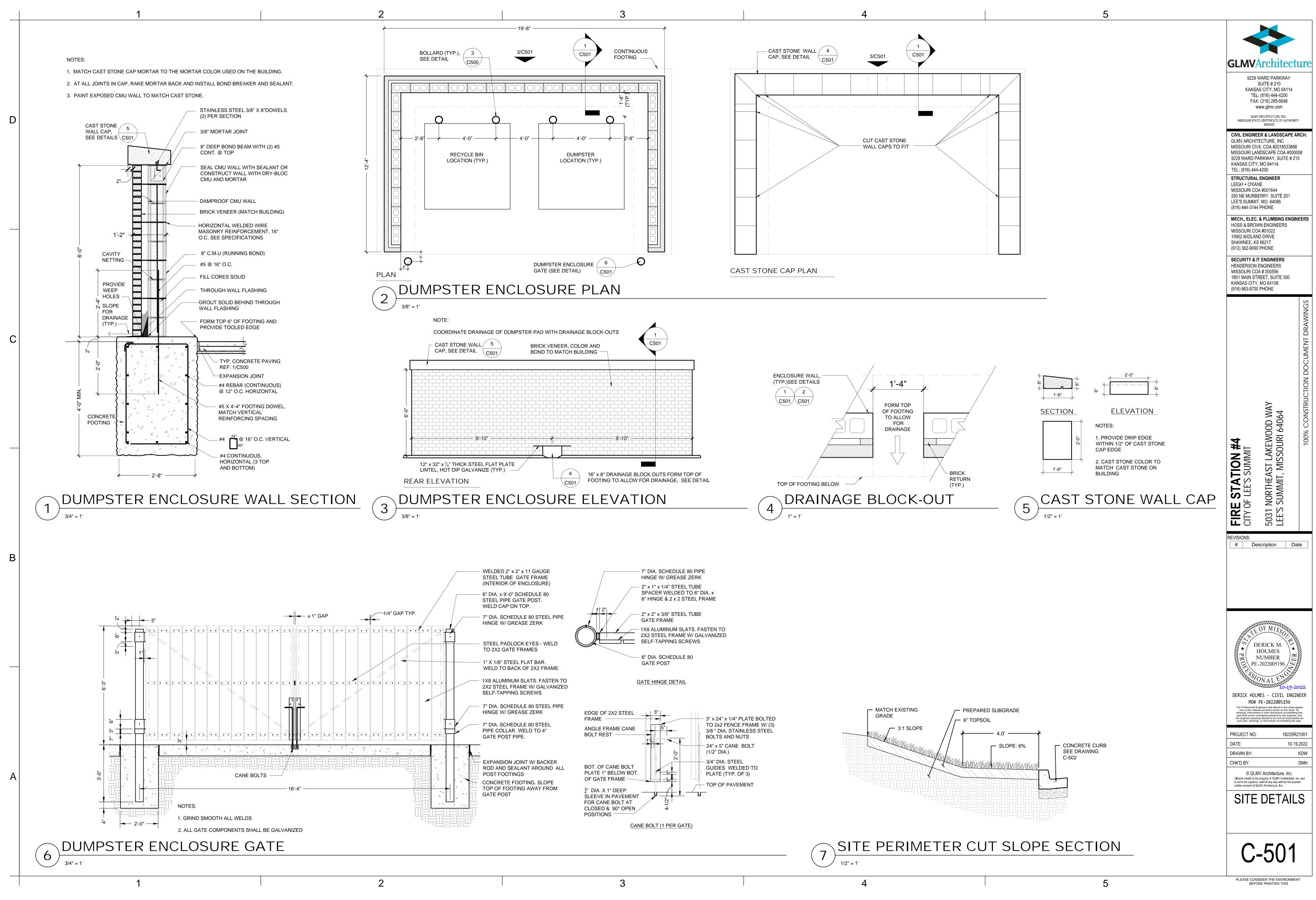


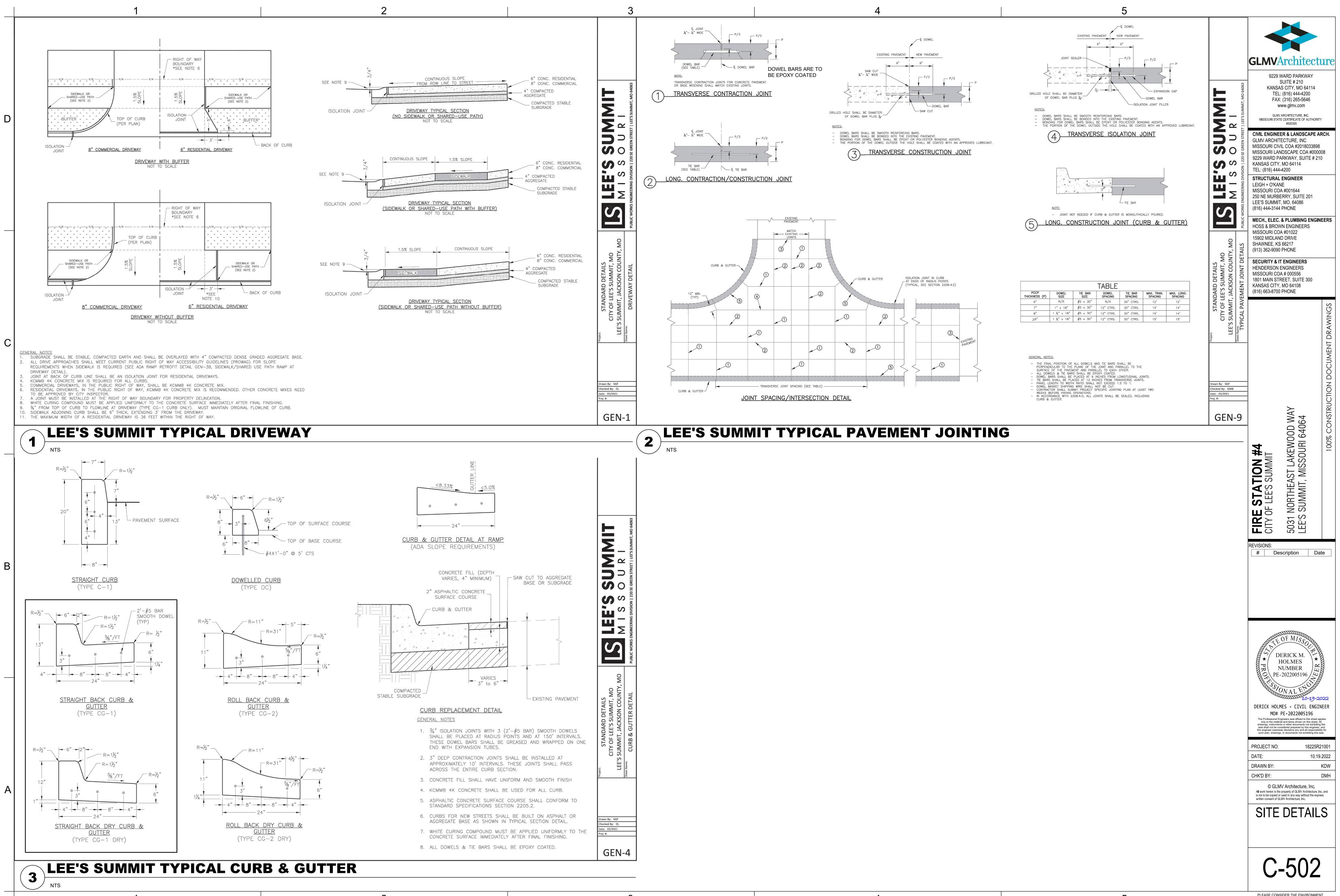


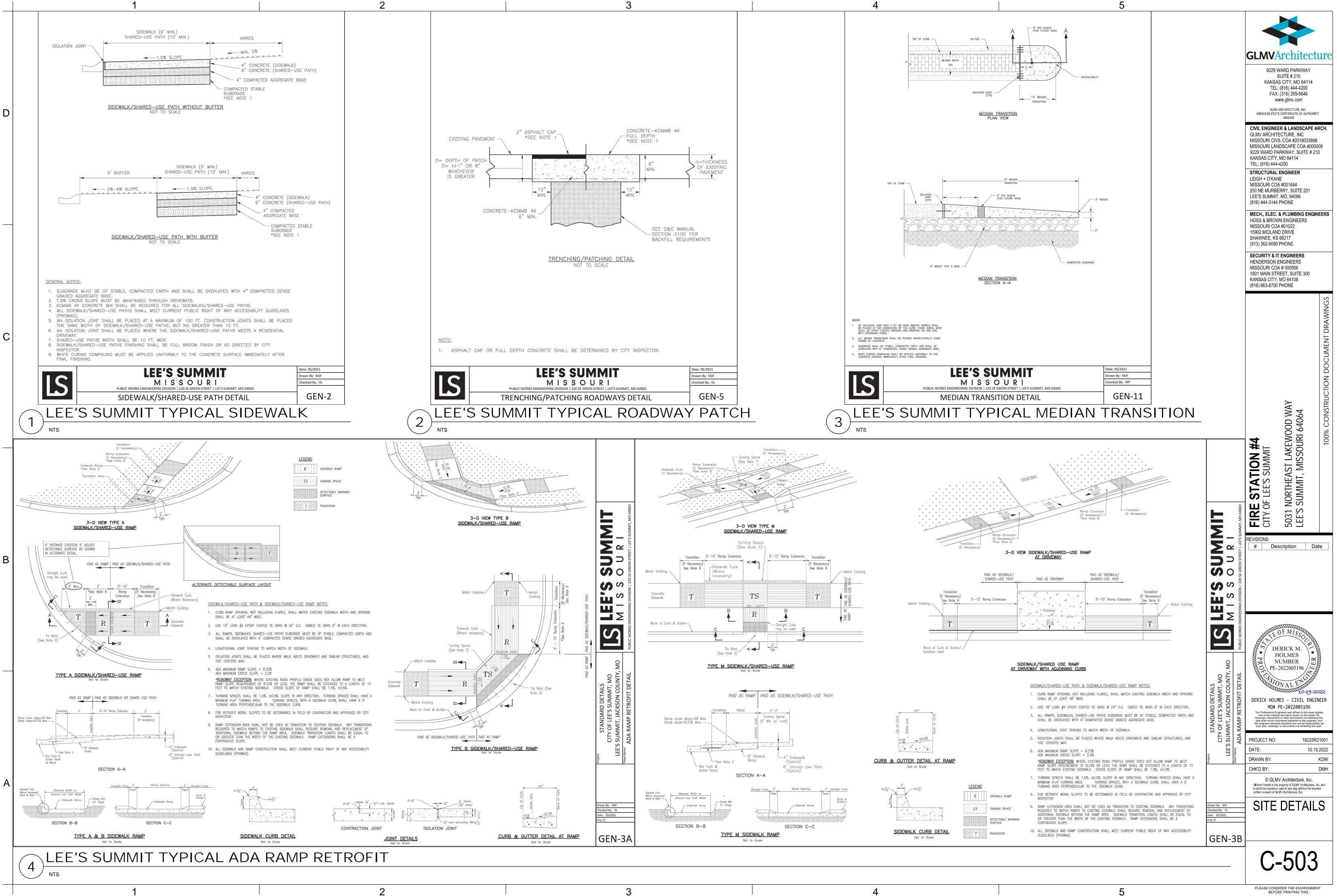
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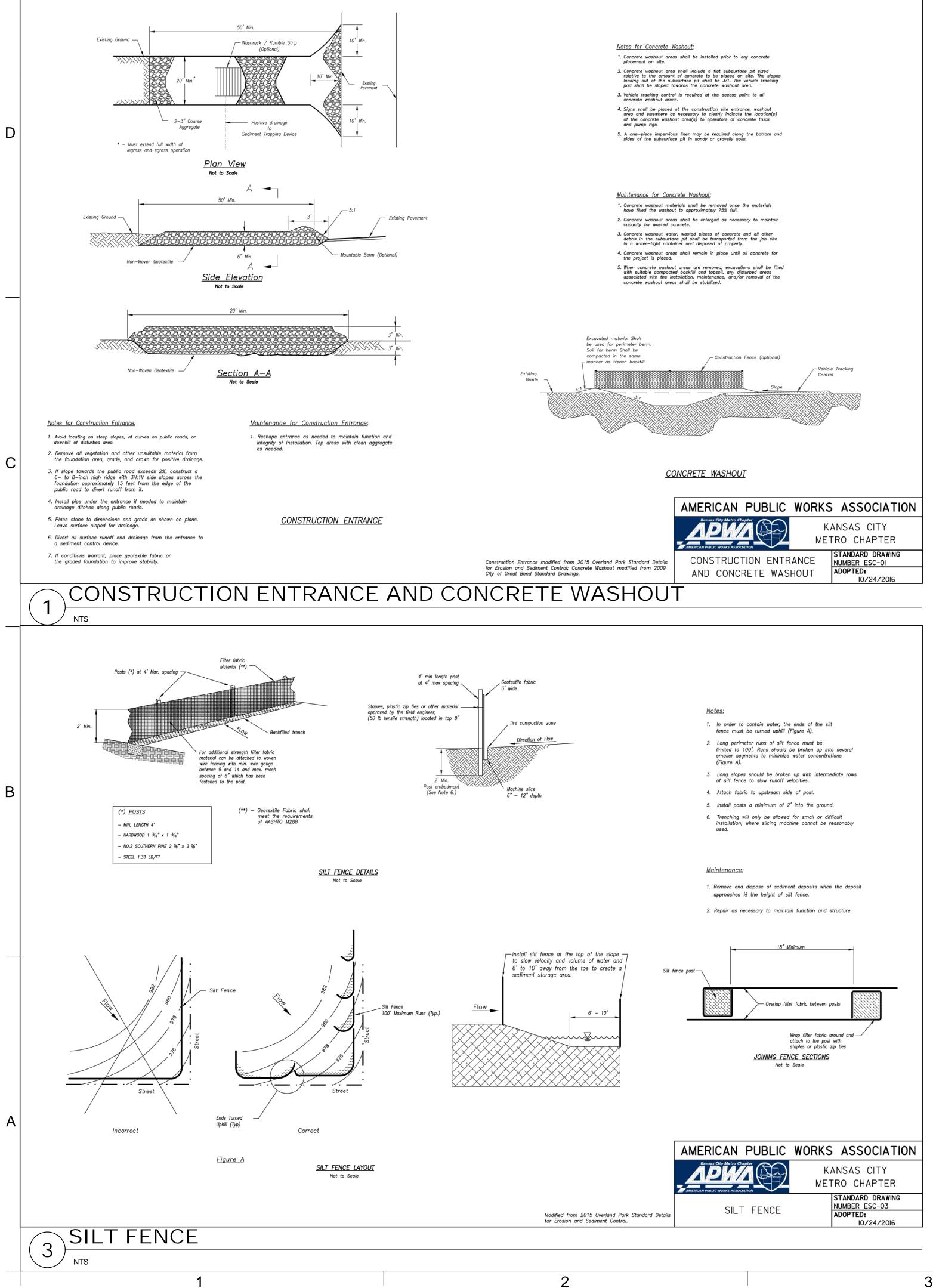
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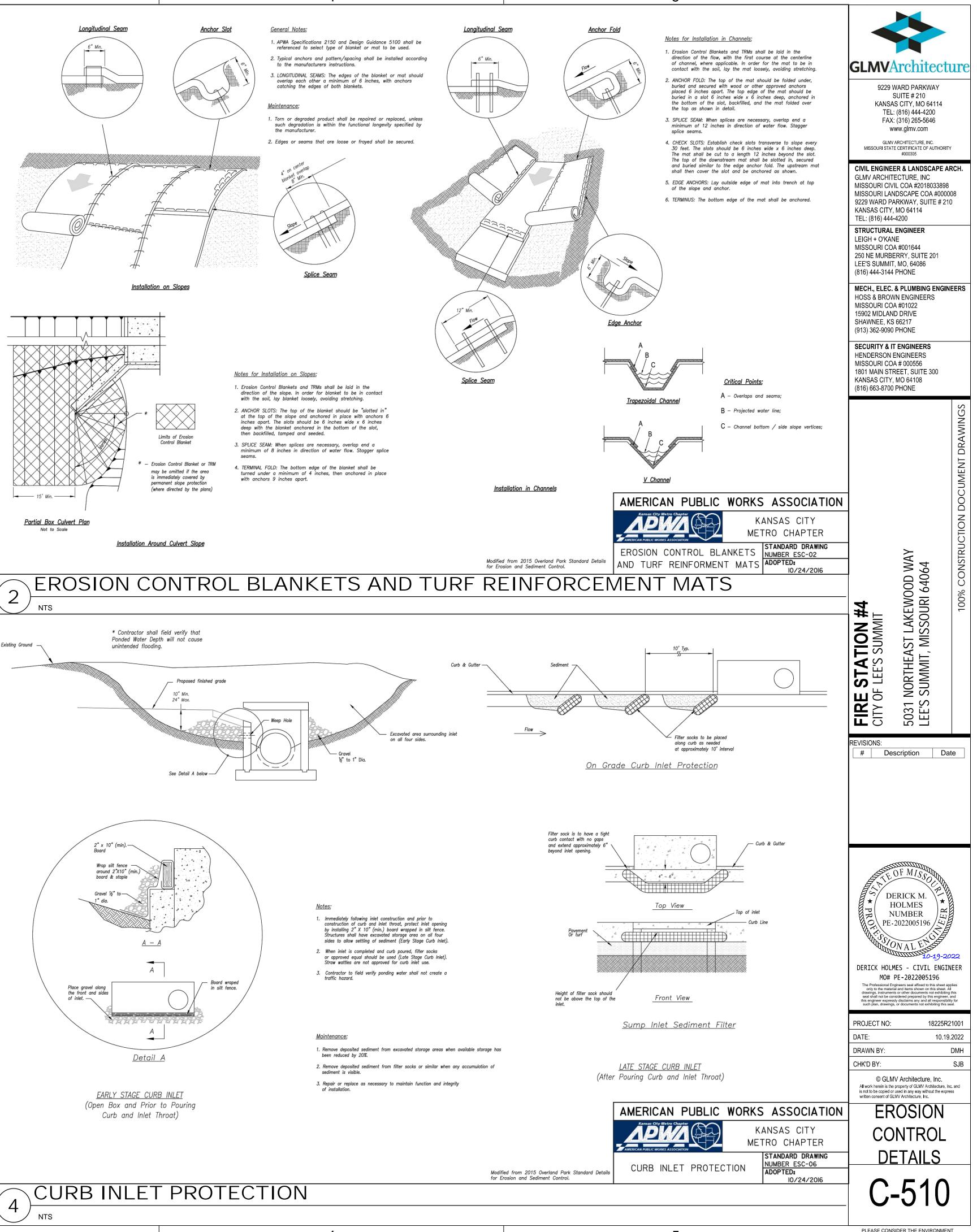


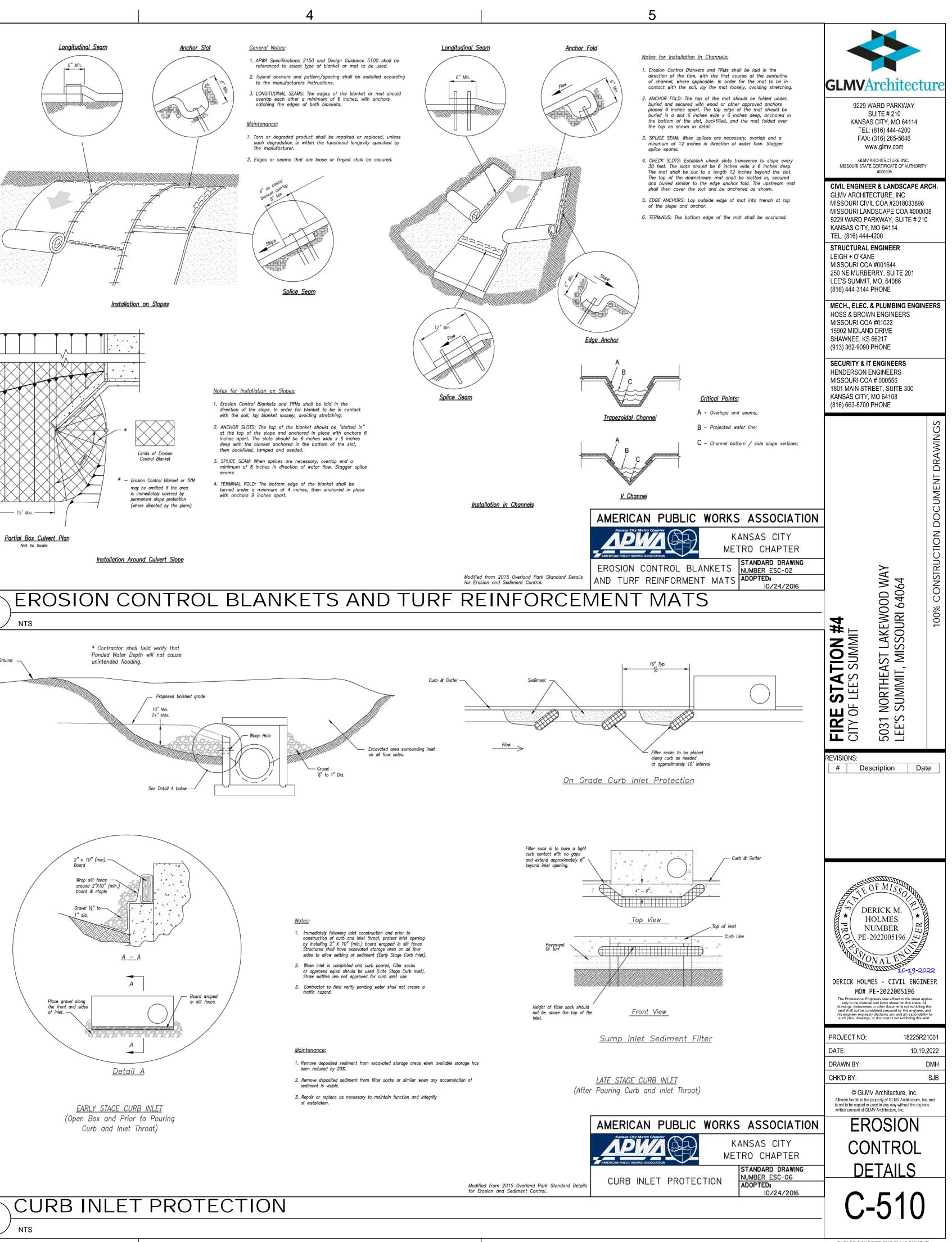


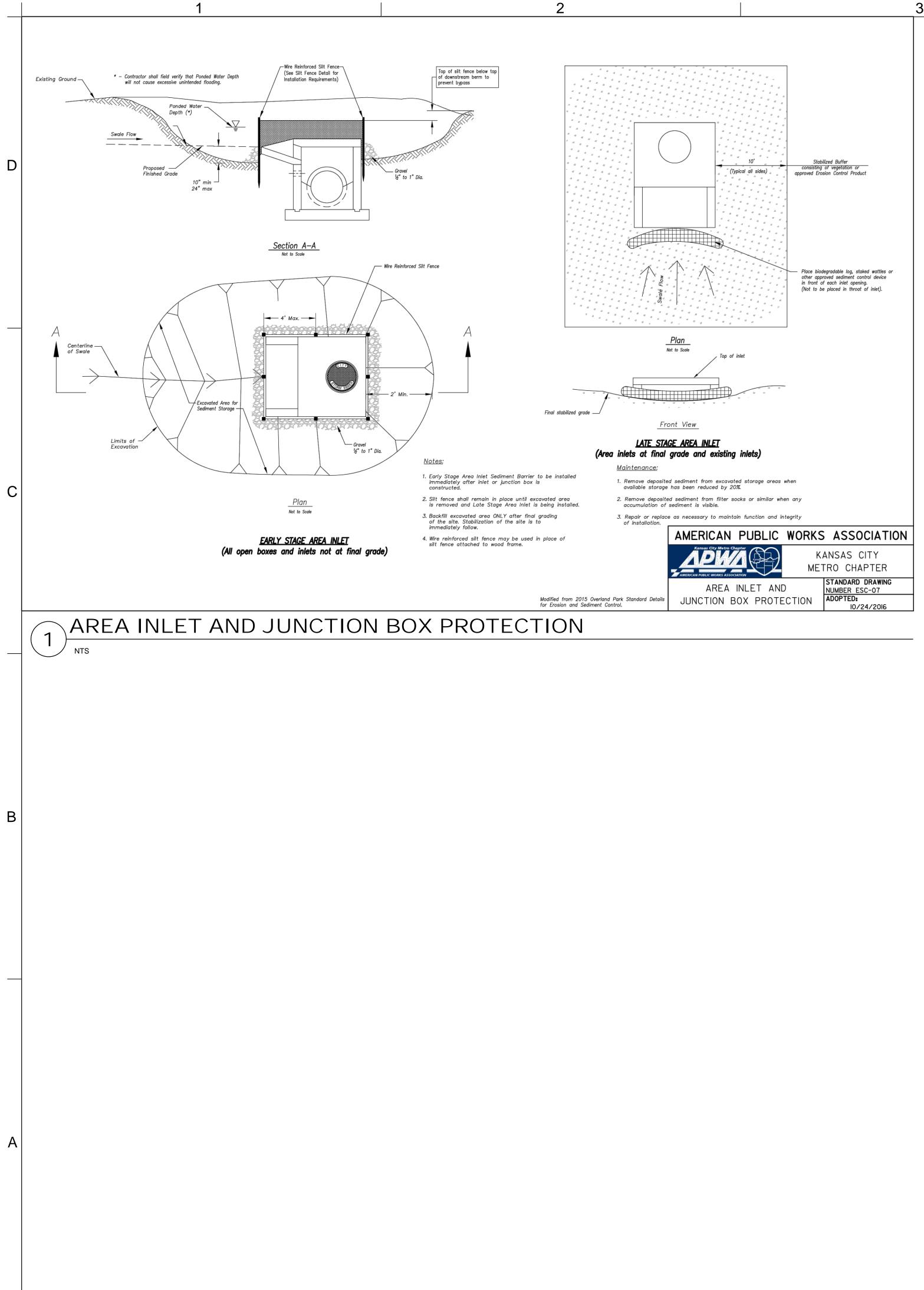






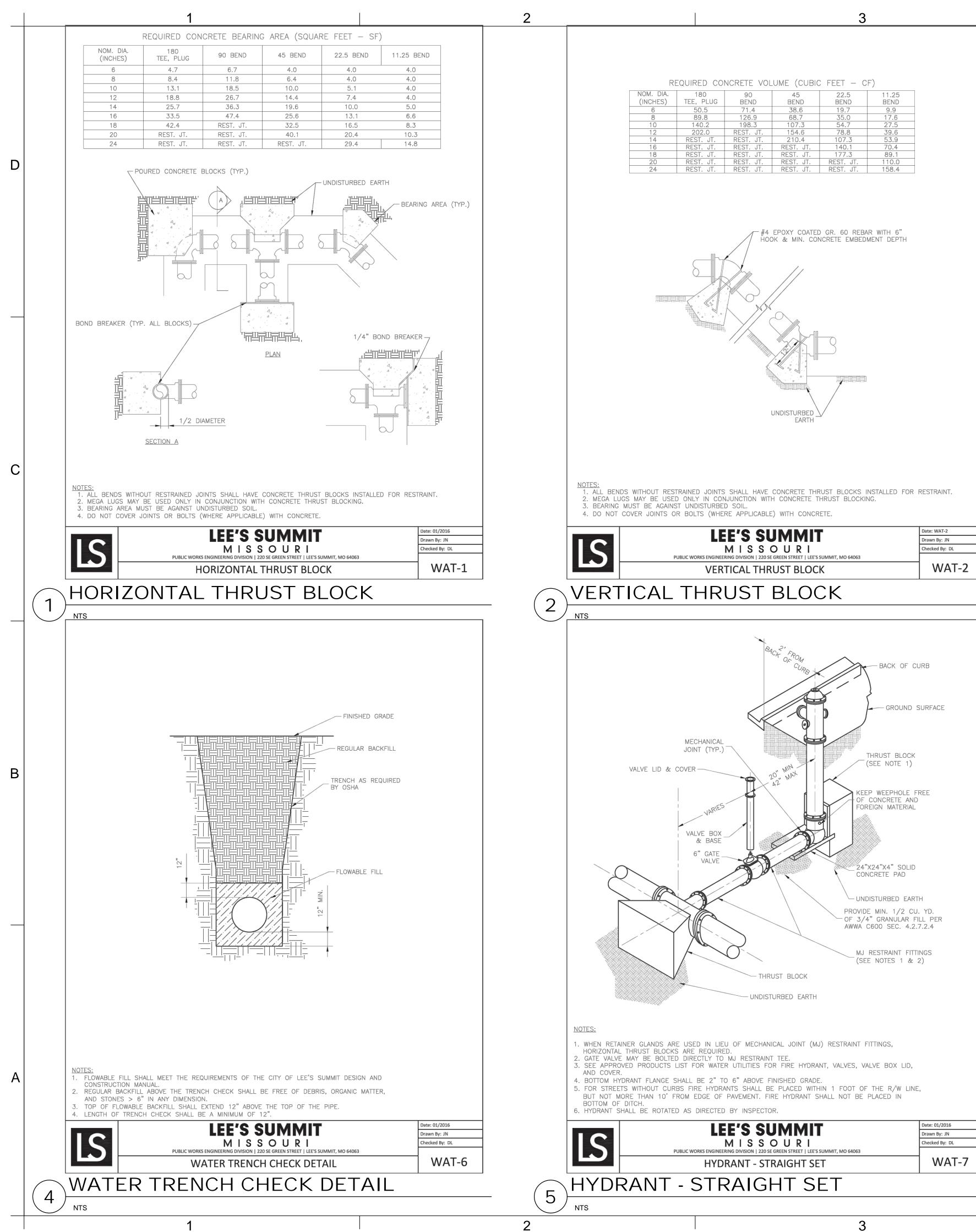








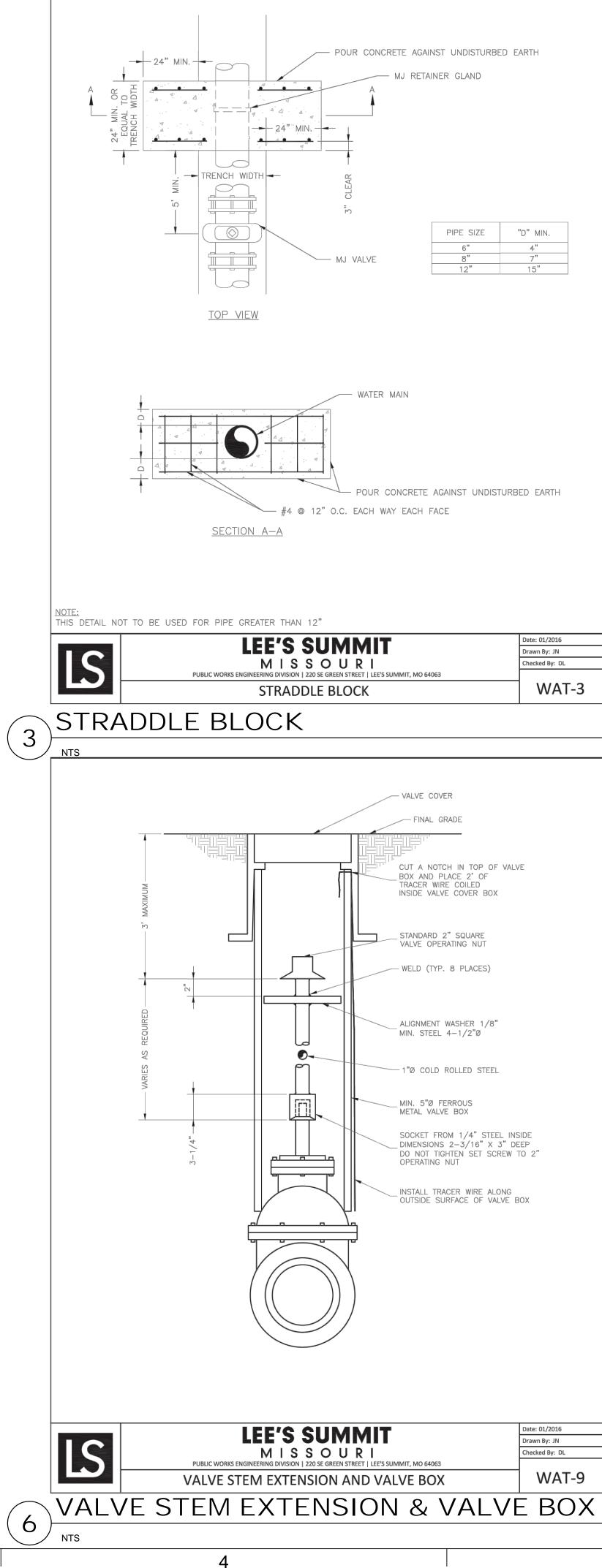






| OVED PRODUCTS LIST FOR WATER UTILITIES FOR FIRE HYDRANT, VALVES, VALVE BOX LID, R. | |
|---|----------------|
| YDRANT FLANGE SHALL BE 2" TO 6" ABOVE FINISHED GRADE. | |
| ETS WITHOUT CURBS FIRE HYDRANTS SHALL BE PLACED WITHIN 1 FOOT OF THE R/W LINE, | 2 |
| MORE THAN 10' FROM EDGE OF PAVEMENT. FIRE HYDRANT SHALL NOT BE PLACED IN | |
| F DITCH. | |
| SHALL BE ROTATED AS DIRECTED BY INSPECTOR. | |
| LEE'S SUMMIT | Date: 01/2016 |
| | Drawn By: JN |
| MISSOURI | Checked By: DL |
| PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 | |
| HYDRANT - STRAIGHT SET | WAT-7 |
| | |

| RE | EQUIRED CO | NCRETE VOL | UME (CUBIC | ; FEET — C | F) |
|-----------|------------|------------|------------|------------|-------|
| NOM. DIA. | 180 | 90 | 45 | 22.5 | 11.25 |
| (INCHES) | TEE, PLUG | BEND | BEND | BEND | BEND |
| 6 | 50.5 | 71.4 | 38.6 | 19.7 | 9.9 |
| 8 | 89.8 | 126.9 | 68.7 | 35.0 | 17.6 |
| 10 | 140.2 | 198.3 | 107.3 | 54.7 | 27.5 |
| 12 | 202.0 | REST. JT. | 154.6 | 78.8 | 39.6 |
| 14 | REST. JT. | REST. JT. | 210.4 | 107.3 | 53.9 |
| 16 | REST. JT. | REST. JT. | REST. JT. | 140.1 | 70.4 |
| 18 | REST. JT. | REST. JT. | REST. JT. | 177.3 | 89.1 |
| 20 | REST. JT. | REST. JT. | REST. JT. | REST. JT. | 110.0 |
| 24 | REST. JT. | REST. JT. | REST. JT. | REST. JT. | 158.4 |



Date: 01/2016 Drawn By: JN Checked By: DL

- POUR CONCRETE AGAINST UNDISTURBED EARTH

"D" MIN.

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SUITE # 210

KANSAS CITY, MO 64114

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FAX: (316) 265-5646

TEL: (816) 444-4200 STRUCTURAL ENGINEER LEIGH + O'KANE MISSOURI COA #001644 250 NE MURBERRY, SUITE 201 LEE'S SUMMIT, MO, 64086 (816) 444-3144 PHONE

MECH., ELEC. & PLUMBING ENGINEERS HOSS & BROWN ENGINEERS MISSOURI COA #01022 15902 MIDLAND DRIVE SHAWNEE, KS 66217 (913) 362-9090 PHONE

SECURITY & IT ENGINEERS HENDERSON ENGINEERS MISSOURI COA # 000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 (816) 663-8700 PHONE

st lakewood way Viissouri 64064

#4

NO

5031 Northeast Lee's Summit, Mi **STATIC** LEE'S SU

FIRE (REVISIONS: # Description Date

DERICK M. HOLMES NUMBER O PE 2022005196 / ∕ UND IONAL " -19-2022 DERICK HOLMES - CIVIL ENGINEER

MO# PE-2022005196 The Professional Engineers seal affixed to this sheet applie only to the material and items shown on this sheet. All drawings, instruments or other documents not exhibiting thi seal shall not be considered prepared by this engineer, an his engineer expressly disclaims any and all responsibility seal shall not be considered prepared by this en his engineer expressly disclaims any and all resp such plan, drawings, or documents not exhibiting PROJECT NO: 18225R21001 DATE: 10.19.2022

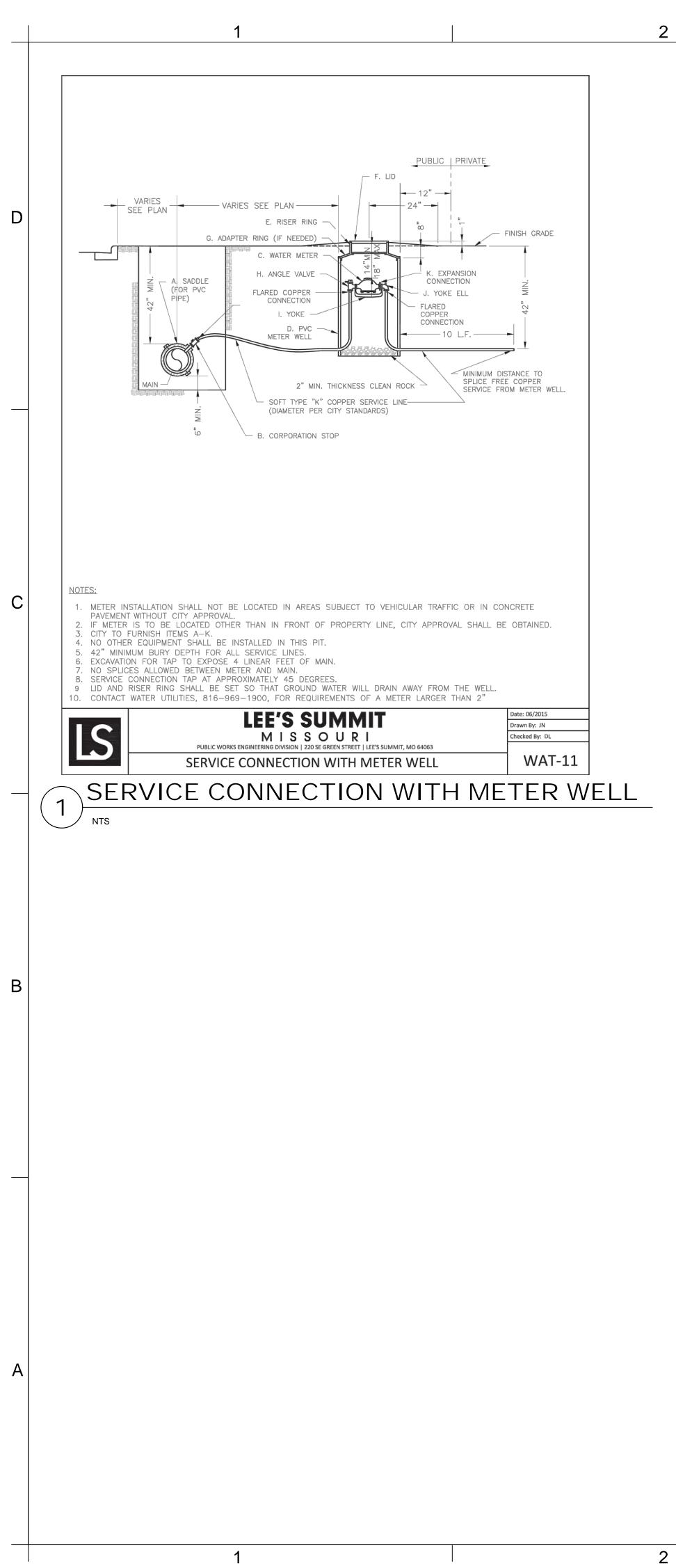
DRAWN BY: DMH CHK'D BY: SJB © GLMV Architecture, Inc.

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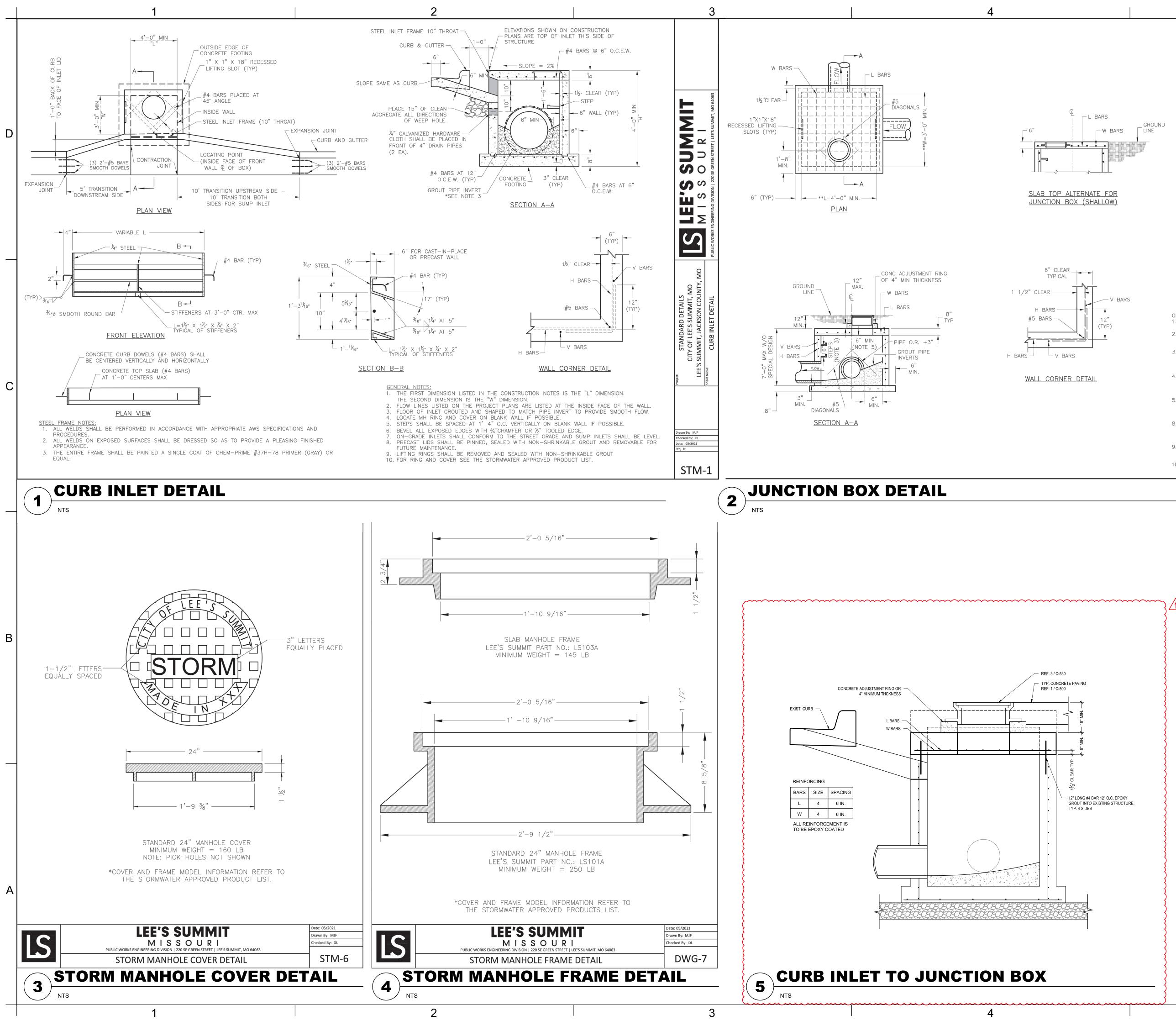
DETAILS

C-520

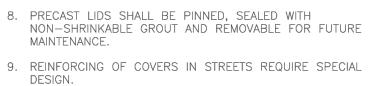
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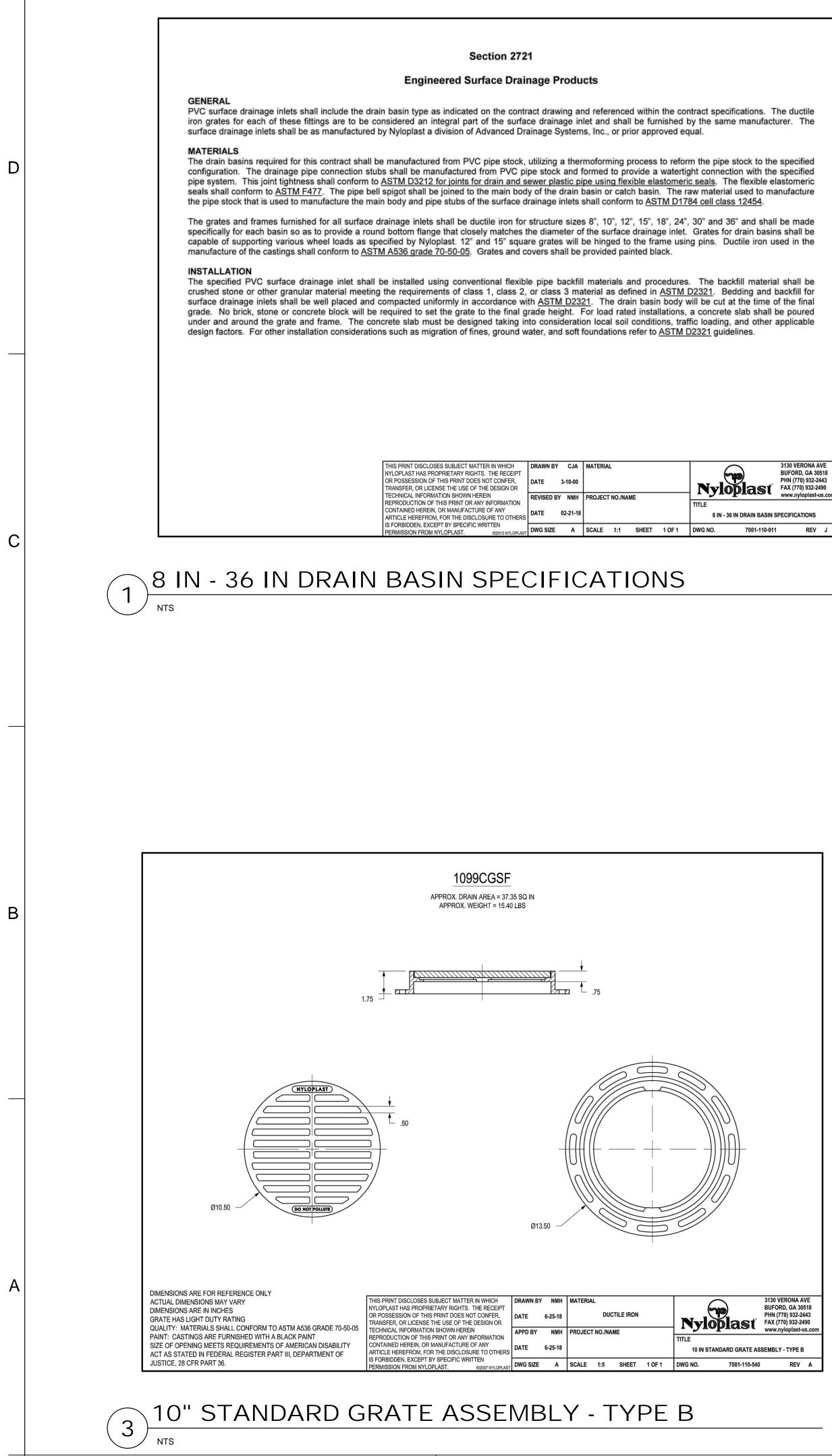


GLMVArchitecture 9229 WARD PARKWAY MIT Σ≃ ** INCREASE IN MULTIPLES OF 6" **S** 0 (7'-0") MAX WITHOUT SPECIAL DESIGN. (SEE PROJECT PLANS FOR DETAILS) SS ы С ш_ REINFORCING ΞΣ BARS BAR SPACING SIZE (IN.) S H 4 12 V 4 12 L 5 6 W 5 6 GENERAL NOTES: 1. LOCATE RING AND COVER ON BLANK WALL. 2. USE ¾" CHAMFER STRIP OR ½" R EDGER TOOL ON ALL EXPOSED CONCRETE CORNERS. 3. STEPS REQUIRED AT 16" O.C. WHEN DEPTH FROM TOP OF CASTING TO INVERT EXCEEDS 4' ON BLANK WALL IF ับ ว POSSIBLE. 4. BOXOUTS WILL NOT BE ALLOWED TO PROJECT THROUGH THE CORNERS OF THE STRUCTURE AND THE MINIMUM DISTANCE BETWEEN BOXOUTS IS 6". 5. THE MINIMUM REINFORCING SHALL BE 1 H-BAR OVER A CAST-IN-PLACE PIPE AND 2 H-BARS OVER A PRECAST BOXOUT. 8. PRECAST LIDS SHALL BE PINNED, SEALED WITH wn By: MJF



10. FOR RING AND COVER SEE THE STORMWATER APPROVED PRODUCT LIST.

| TANDARD DETAILS Y OF LEE'S SUMMIT, MO MMIT, JACKSON COUNTY, MO IUNCTION BOX DETAIL PUBLIC WORKS ENGINEERING DIVISION 220 SE GREEN STREET LEE'S SUMMIT, MO 64063 | SUITE # 210 KANSAS CITY, MO 64114 TEL: (816) 444-4200 FAX: (316) 265-5646 www.glmv.com GLWV ARCHITECTURE, INC. MISSOURI STATE CERTIFICATE OF AUTHORITY #000305 CIVIL ENGINEER & LANDSCAPE ARCH. GLMV ARCHITECTURE, INC MISSOURI CIVIL COA #2018033898 MISSOURI COA #02018033898 MISSOURI LANDSCAPE COA #000008 9229 WARD PARKWAY, SUITE # 210 KANSAS CITY, MO 64114 TEL: (816) 444-4200 STRUCTURAL ENGINEER LEIGH + O'KANE MISSOURI COA #001644 250 NE MURBERRY, SUITE 201 LEE'S SUMMIT, MO, 64086 (816) 444-3144 PHONE MECH., ELEC. & PLUMBING ENGINEERS HOSS & BROWN ENGINEERS MISSOURI COA #01022 15902 MIDLAND DRIVE SHAWNEE, KS 66217 (913) 362-9090 PHONE SECURITY & IT ENGINEERS HENDERSON ENGINEERS MISSOURI COA # 000556 |
|---|---|
| STANDARD DETAILS OF LEE'S SUMMIT, IMIT, JACKSON COU JNCTION BOX DETAI | MISSOURI COA # 000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 (816) 663-8700 PHONE |
| Project: STAND CITY OF LE LEE'S SUMMIT, . Sheet Name: JUNCTIO | EWOOD WAY JRI 64064 100% CONSTRUCTION DOCUMENT DRAWINGS |
| Drawn By: MJF Checked By: DL Date: 05/2021 Proj. #: | CTION |
| STM-3 | NAY 064 DNSTRU |
| | FIRE STATION #4 FIRE STATION #4 CITY OF LEE'S SUMMIT CITY OF LEE'S SUMMIT 5031 NORTHEAST LAKEWOOD WAY LEE'S SUMMIT, MISSOURI 64064 1 VISSOURI 64064 1 VISSOURI 64064 |
| | DERICK MUMBER NUMBER PE-2022005196 DERICK MUMBER PE-2022005196 DERICK HOLMES - CIVIL ENGINEER MO# PE-2022005196 DERICK HOLMES - CIVIL ENGINEER MO# PE-2022005196 |
| | PROJECT NO: 18225R21001 DATE: 10.19.2022 |
| | DRAWN BY: DMH CHK'D BY: SJB |
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| | STORMWATER DETAILS |
| | C-530 |
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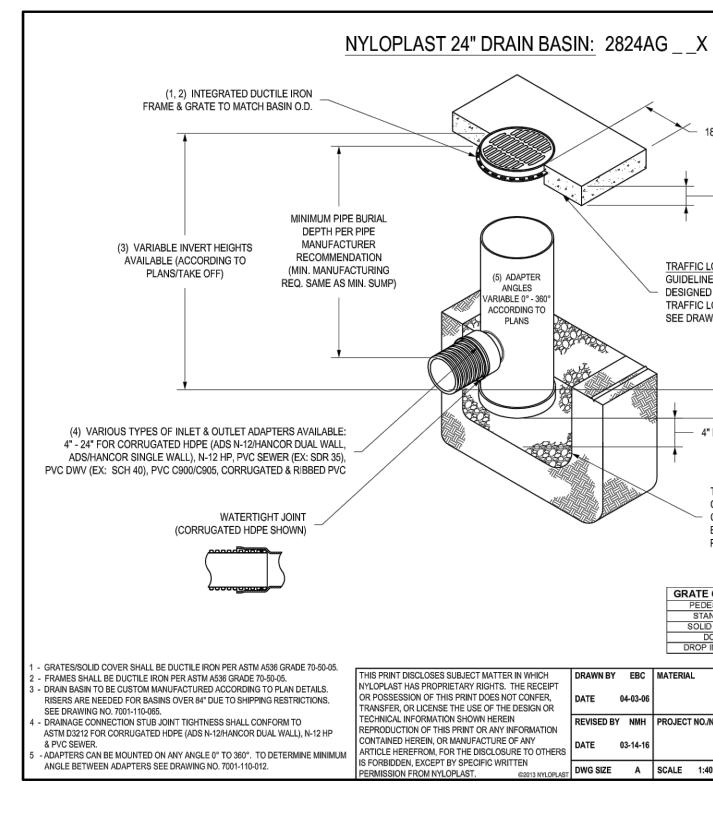
3130 VERONA AVE BUFORD, GA 30518

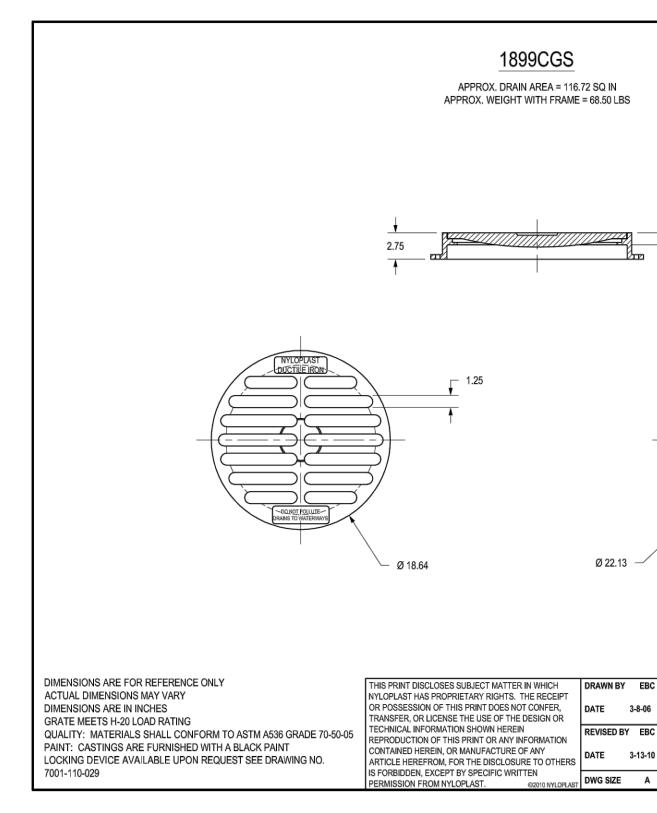
PHN (770) 932-2443

REV A

FAX (770) 932-2490

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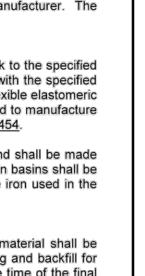


18" STANDARD GRATE ASSEMBLY-TYPE C

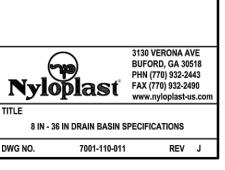
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2



3

NTS

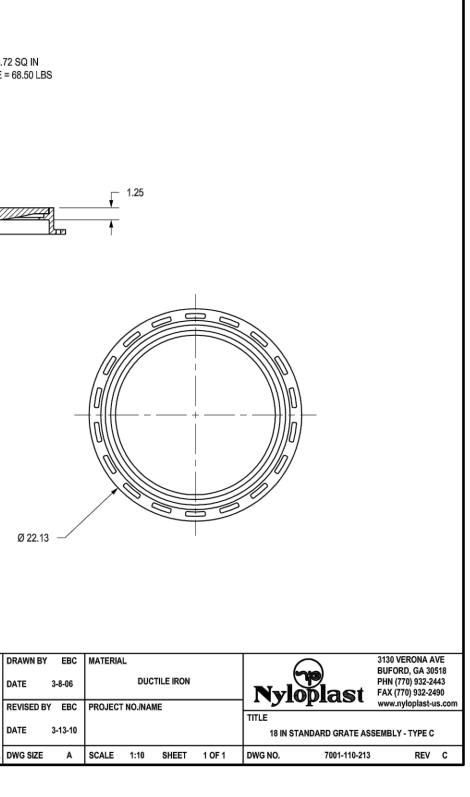
18" MIN WIDTH GUIDELINE - 8" MIN THICKNESS GUIDELINE TRAFFIC LOADS: CONCRETE SLAB DIMENSIONS ARE FOR GUIDELINE PURPOSES ONLY. ACTUAL CONCRETE SLAB MUST BE DESIGNED TAKING INTO CONSIDERATION LOCAL SOIL CONDITIONS, TRAFFIC LOADING, & OTHER APPLICABLE DESIGN FACTORS. SEE DRAWING NO. 7001-110-111 FOR NON TRAFFIC INSTALLATION. (3) VARIABLE SUMP DEPTH ACCORDING TO PLANS (6" MIN. BASED ON MANUFACTURING REQ.)

THE BACKFILL MATERIAL SHALL BE CRUSHED STONE OR OTHER GRANULAR MATERIAL MEETING THE REQUIREMENTS OF CLASS I, CLASS II, OR CLASS III MATERIAL AS DEFINED IN ASTM D2321. BEDDING & BACKFILL FOR SURFACE DRAINAGE INLETS SHALL BE PLACED & COMPACTED UNIFORMLY IN ACCORDANCE WITH ASTM D2321. GRATE OPTIONS LOAD RATING PART # DRAWING

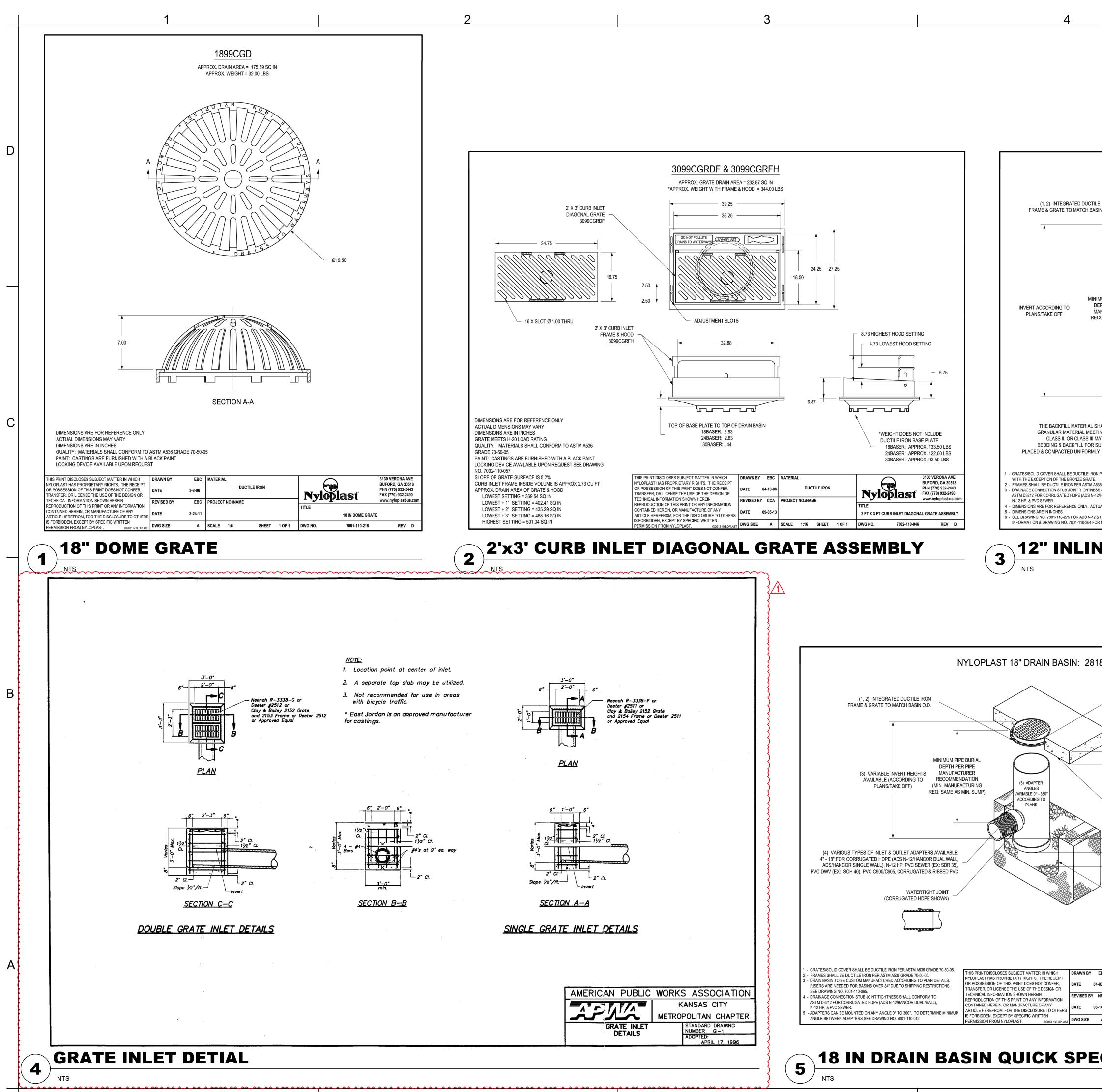
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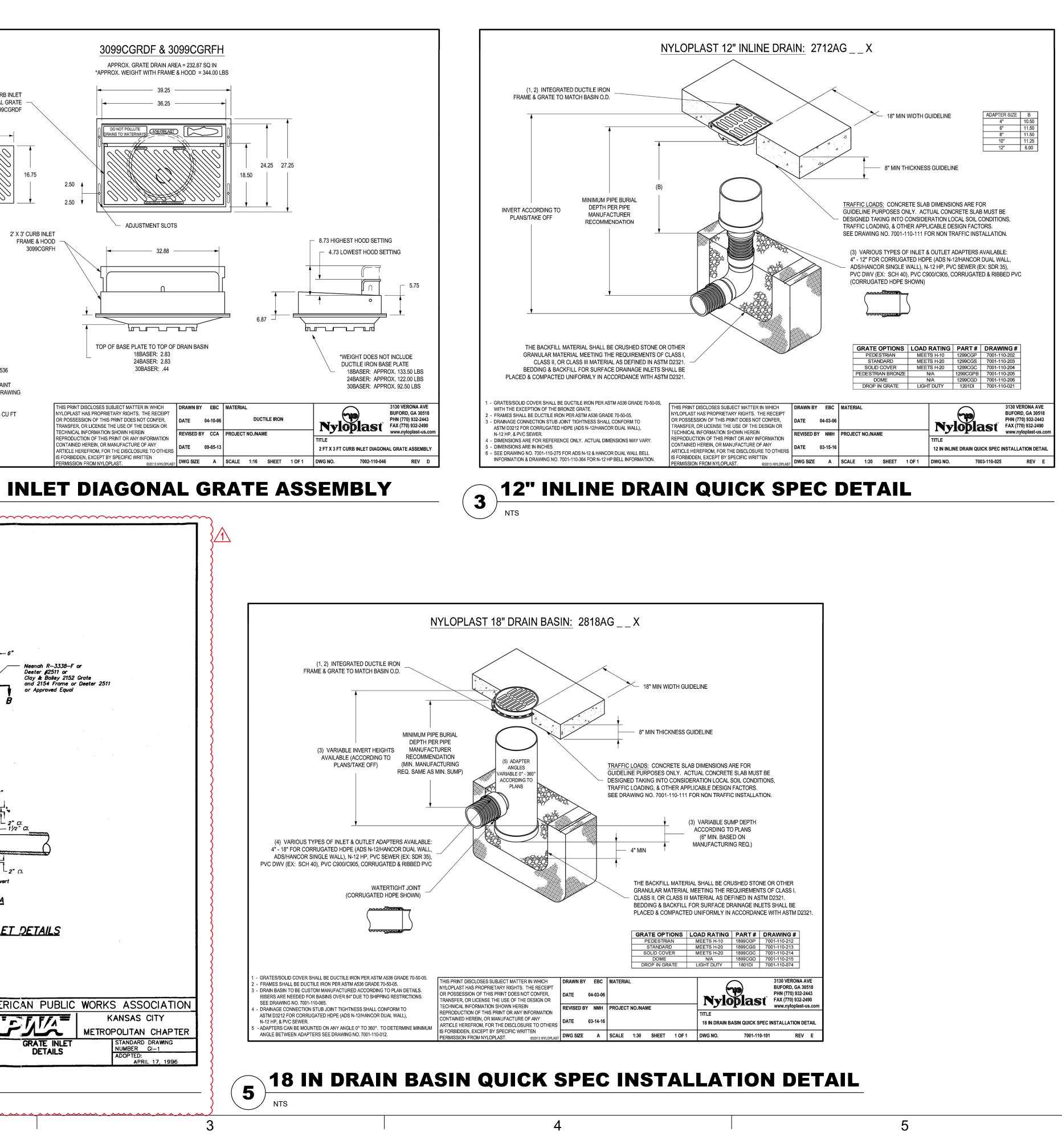
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|---------------|---------|---------|-------------------|---------------|----------------------|
| PEDESTRIAN | MEETS | H-10 | 2499CGP | 7001-110-2 | 16 |
| STANDARD | MEETS | H-20 | 2499CGS | 7001-110-2 | 17 |
| SOLID COVER | MEETS | H-20 | 2499CGC | 7001-110-2 | 18 |
| DOME | N/A | | 2499CGD | 7001-110-2 | 19 |
| DROP IN GRATE | LIGHT D | UTY | 2401DI | 7001-110-0 | 75 |
| | | | | | |
| ERIAL | | | | | 3130 VERONA AVE |
| | | | $(\gamma \omega)$ | | BUFORD, GA 30518 |
| | | | | | PHN (770) 932-2443 |
| | | | ylŏp | ast | FAX (770) 932-2490 |
| JECT NO./NAME | | · `, | | | www.nyloplast-us.com |
| | | TITLE | | | |
| | | 24 IN F | | | ISTALLATION DETAIL |
| | | 24 IN L | INAIN BASIN | QUICK SPEC IN | ISTALLATION DETAIL |
| .E 1:40 SHEET | 1 OF 1 | DWG N | 0. | 7001-110-192 | REV E |
| | | | | | |

2) 24" DRAIN BASIN QUICK SPEC INSTALLATION DETAIL



| CIVIL ENGINEERS USUARCHITECTURE. NC. MISSOURI CIVIL COA #2018033898 MISSOURI LANDSCAPE ACH. GUMV ARCHITECTURE. NC. MISSOURI CIVIL COA #2018033898 MISSOURI LANDSCAPE COA #000008 9229 WARD PARKWAY, SUITE # 210 KANSAS CITY, MO 64114 TEL: (816) 444-4200 STRUCTURAL ENGINEER HISSOURI COA #001644 250 NE MURBERRY, SUITE 201 LEE'S SUMMIT, MO, 64086 (816) 444-3144 PHONE SECURITY & IT ENGINEERS HOSS & BROWN ENGINEERS MISSOURI COA #001022 15902 MIDLAND DRIVE SHAWNEE, KS 66217 (913) 362-9090 PHONE SECURITY & IT ENGINEERS HISSOURI COA #000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 (816) 663-8700 PHONE TEVISIONS: THE DESCRIPTION | | | |
|---|---|--|--|
| 9229 WARD PARKWAY SUITE # 210 KANSAS CITY, MO 64114 TEL: (816) 444-4200 FAX: (316) 265-5646 www.glmv.com GLMV ARCHITECTURE, INC MISSOURI STATE CERTIFICATE OF AUTHORITY 200000 SUEVARCHITECTURE, INC MISSOURI CIVIL COA #2018033898 MISSOURI CIVIL COA #2018033898 MISSOURI CIVIL COA #2018033898 MISSOURI CIVIL COA #201803898 MISSOURI CIVIL COA #201803898 MISSOURI COA #001804 250 WARD PARKWAY, SUITE # 210 KANSAS CITY, MO 64114 TEL: (816) 444-4200 STRUCTURAL ENGINEER LEIGH + O'KANE MISSOURI COA #001644 250 NE MURBERRY, SUITE 201 LEE'S SUMMIT, MO, 64086 (816) 444-3144 PHONE MECH., ELEC. & PLUMBING ENGINEERS MISSOURI COA #01022 15902 MIDLAND DRIVE SHAWNEE, KS 66217 (913) 362-9090 PHONE SECURITY & IT ENGINEERS HENDERSON ENGINEERS MISSOURI COA #000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 (816) 663-8700 PHONE MISSOURI COA #000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 (816) 663-8700 PHONE MUNICOURD COA #0000000 SECURITY & IT ENGINEERS MISSOURI COA #000000000000000000000000000000000000 | | rehiter | † 1170 |
| WWW.glmv.com GLWV ARCHITECTURE, INC. MISSOURI STATE CERTIFICATE OF AUTHORITY #000305 CIVIL ENGINEER & LANDSCAPE ARCH. GLMV ARCHITECTURE, INC MISSOURI LANDSCAPE COA #000008 9229 WARD PARKWAY, SUITE # 210 KANSAS CITY, MO 64114 TEL: (816) 444-4200 STRUCTURAL ENGINEER LEIGH + O'KANE MISSOURI COA #001644 250 NE MURBERRY, SUITE 201 LEE'S SUMMIT, MO, 64086 (816) 444-3144 PHONE MECH., ELEC. & PLUMBING ENGINEERS MISSOURI COA #01022 15902 MIDLAND DRIVE SHAWNEE, KS 66217 (913) 362-9090 PHONE SECURITY & IT ENGINEERS MISSOURI COA # 000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 (816) 663-8700 PHONE THENDERSON ENGINEERS MISSOURI COA # 000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 (816) 663-8700 PHONE SECURITY & IT ENGINEERS MISSOURI COA # 000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 (816) 663-8700 PHONE COUNTY HENDERSON ENGINEERS MISSOURI COA # 000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 (816) 663-8700 PHONE COUNTY HENDERSON ENGINEERS MISSOURI COA # 000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 (816) 663-8700 PHONE | 9229 KANSA TEL | WARD PARKWAY SUITE # 210 \S CITY, MO 64114 : (816) 444-4200 | |
| CIVIL ENGINEER & LANDSCAPE ARCH. GLMV ARCHITECTURE, INC MISSOURI CIVIL COA #2018033898 MISSOURI LANDSCAPE COA #000008 9229 WARD PARKWAY, SUITE # 210 KANSAS CITY, MO 64114 TEL: (816) 444-4200 STRUCTURAL ENGINEER LEIGH + O'KANE MISSOURI COA #001644 250 NE MURBERRY, SUITE 201 LEE'S SUMMIT, MO, 64086 (816) 444-3144 PHONE MECH., ELEC. & PLUMBING ENGINEERS MISSOURI COA #01022 15902 MIDLAND DRIVE SHAWNEE, KS 66217 (913) 362-9090 PHONE SECURITY & IT ENGINEERS MISSOURI COA # 000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 (816) 663-8700 PHONE SECURITY & IT ENGINEERS MISSOURI COA # 000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 (816) 663-8700 PHONE SECURITY & IT ENGINEERS MISSOURI COA # 000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 (816) 663-8700 PHONE | W GLMV | WW.glmv.com | RITY |
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| SECURITY & IT ENGINEERS HENDERSON ENGINEERS MISSOURI COA # 000556 1801 MAIN STREET, SUITE 300 KANSAS CITY, MO 64108 (816) 663-8700 PHONE 2031 NORTHEAST LAKEWOOD WAY LEE'S SUMMIT, MISSOURI 64064 LEE'S SUMIT, MISSOURI 64064 LEE'S SUMMIT, MISSOURI 640 | HOSS & BROV MISSOURI CO 15902 MIDLAN SHAWNEE, KS | VN ENGINEERS A #01022 ID DRIVE \$ 66217 | GINEERS |
| FIRE STATION # CITY OF LEE'S SUMMIT 5031 NORTHEAST LAKE LEE'S SUMMIT, MISSOU | SECURITY & I HENDERSON MISSOURI CO 1801 MAIN STI KANSAS CITY | T ENGINEERS ENGINEERS A # 000556 REET, SUITE 300 , MO 64108 | |
| | IRE STATION #4 ITY OF LEE'S SUMMIT | 5031 Northeast Lakewood way Lee's Summit, Missouri 64064 | 100% CONSTRUCTION DOCUMENT DRAWINGS |
| DERICK HOLMES - CIVIL ENGINEER | # De | OF MISSOCIE ERICK M. HOLMES JUMBER 2022005196 | 2022 |
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| MO# PE-2022005196 The Professional Engineers seal affixed to this sheet applies only to the material and items shown on this sheet. All seal shall not be considered prepared by this engineer, and this engineer show the shown on this sheet. All seal shall not be considered prepared by this engineer, and the enginer, and the engineer, and the enginer, and the | # De # De | OF MISS OF MISS ERICK M. HOLMES JUMBER 2022005196 ONAL Source of the shear Source of the shear Source of the shear PE-2022005196 rgineers seal affixed to this she ial and items shown on this she proceedings of the shear proceedings of the shear shown on this shear proceedings of the shear shown on the shear proceedings of the shear shown on the shear proceedings of the shear shear the shear of the shear of the shear shear the shear of the shear of the shear shear of the shear of the shear of the shear shear of the shear of the shear of the shear shear of the shear of the shear of the shear shear of the shear of the shear of the shear of the shear shear of the shear of the s | et applies et applies et applies seal. 5R21001 19.2022 DMH |
| MO# PE-2022005196 The Professional Engineers seal affixed to this sheet applies only to the material and items shown on this sheet. All seal shall not be considered prepared by this engineer, and this senjineer expressively disclaims any and all responsibility for such plan, drawings, or documents not exhibiting this seal. PROJECT NO: 18225R21001 DATE: 10.19.2022 DRAWN BY: DMH CHK'D BY: SJB © GLMV Architecture, Inc. All work herein is the property of GLMV Architecture, Inc. and is not to be copied or used in any way without the express | # De # De | OF MISSO OF MISSO ERICK M. HOLMES UMBER 2022005196 NAL USC - CIVIL EN PE-2022005196 rgineers seal affixed to this she is or other documents not exhibiting sy disclaims any and all respo s, or documents not exhibiting 18222 10 18222 10 | et applies et applies bibling this heer, and 5R21001 19.2022 DMH SJB |
| MO# PE-2022005196 The Professional Engineers seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments or other documents not exhibiting this seal shall not be considered prepared by this engineer, and all responsibility for such plan, drawings, or documents not exhibiting this seal. PROJECT NO: 18225R21001 DATE: 10.19.2022 DRAWN BY: DMH CHK'D BY: SJB © GLMV Architecture, Inc. All work herein is the property of GLMV Architecture, Inc. and | # De # | OF MISSO ERICK M. IOLMES IUMBER 2022005196 PALE 2022005196 MALE 10-19 MES - CIVIL EN PE-2022005196 INALE 10-19 MES - CIVIL EN PE-2022005196 18222 10 18222 10 18222 10 10 18222 10 10 10 10 10 10 10 10 10 10 | et applies et applies et applies stei All biling this seal. 5R21001 19.2022 DMH SJB |
| HO# PE-2022005196 The Professional Engineers seal affixed to this sheet applies only to the material and items shown on this sheet. All seal shall not be considered prepared by this engineer, and the seponeer syrress vide disclams any and all responsibility of this sheet applies on the documents not exhibiting this seal shall not be considered prepared by this engineer, and the seponeer syrress vide disclams any and all responsibility of the seal shall not be considered prepared by this engineer, and the seponeer syrress vide disclams any and all responsibility of the seal shall not be considered prepared by this engineer, and the seponeer syrress vide disclams any and all responsibility of the seal shall not be considered prepared by this engineer, and the second seal shall not be considered prepared by the seal shall not be consed prepared by | # De # | OF MISSO ERICK M. HOLMES UMBER 2022005196 NAL 2022005196 NAL 10-19 MES - CIVIL EN PE-2022005196 Igneers seal afficed to this she isd and items shown on this she isd and items shown on this she isd and items shown on this shown on this shown on the she isd and items shown on this shown on this shown on the she isd and items shown on this shown on this shown on the shown on this sh | et applies et applies tet. All biling this seal. 5R21001 19.2022 DMH SJB |





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| PEDESTRIAN STANDARD SOLID COVER DOME | MEETS H-10 MEETS H-20 MEETS H-20 N/A | 1899CGP 1899CGS | 7001-110-212 7001-110-213 7001-110-214 7001-110-215 | |
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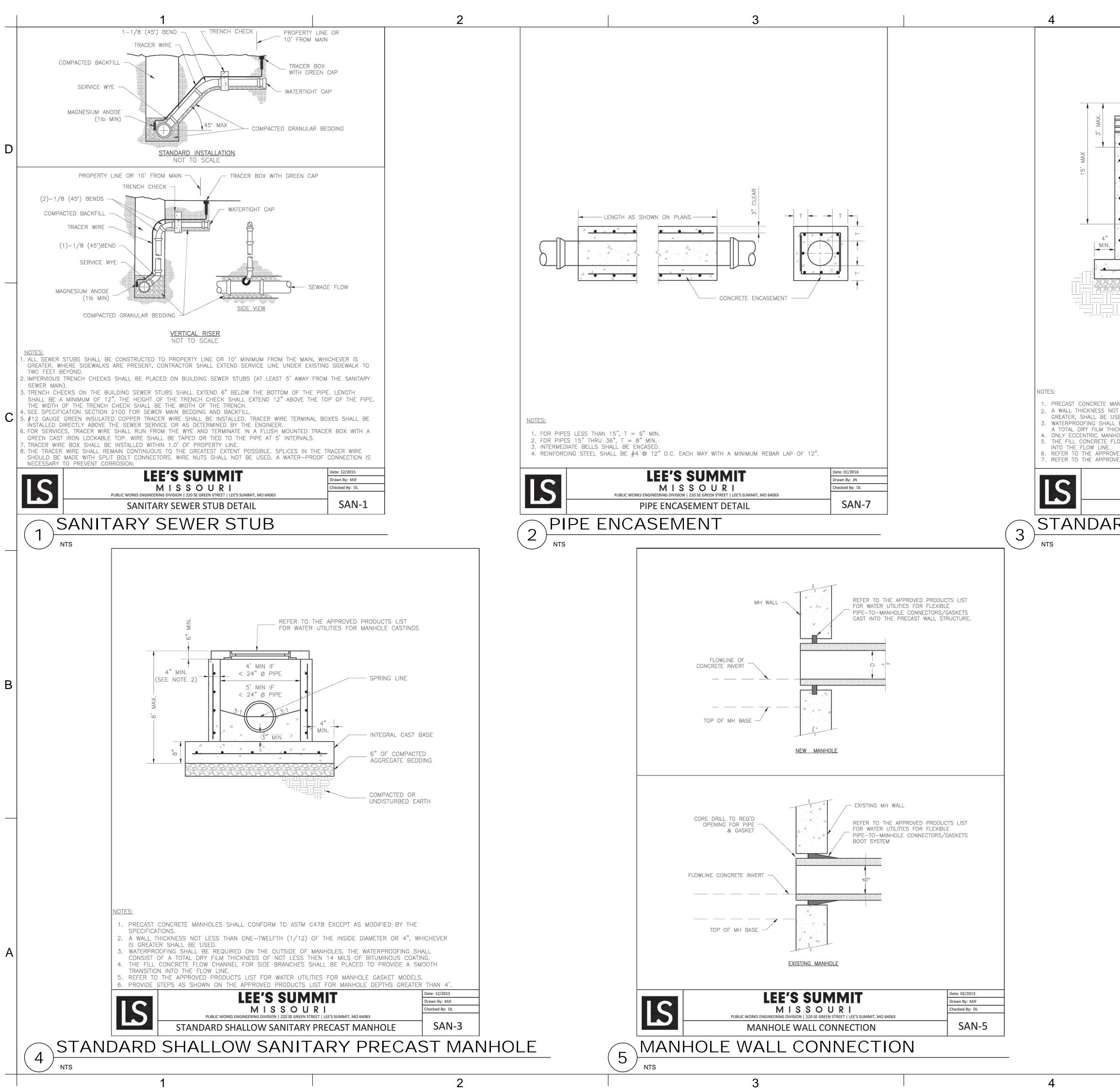
| FIRE STATION #4 ITY OF LEE'S SUMMIT 031 NORTHEAST LAKEWOOD WAY EE'S SUMMIT, MISSOURI 64064 100% CONSTRUCTION DOCUMENT DRAWINGS | E STATION # OF LEE'S SUMMIT NORTHEAST LAKE S SUMMIT, MISSOL | FIRE STATION # FIRE STATION # CITY OF LEE'S SUMMIT 5031 NORTHEAST LAKE LEE'S SUMMIT, MISSOL # Description Total # Description | TIMMIT SSOUNDER TIMMIT SSOUNDER TIMMIT MISSOURCE TASI 01 11.16.2022 TIMMIT MISSOURCE TIMMIT MISSOURCE TIMIT MISSOURCE T | TIMMIT SOLUTIONS: | IIIINIA IIIINIA IIIINIA IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII | Image: State of the second | Image: State of the second | Image: Second State Sta | Image: Second State Sta | 1801 MAIN ST KANSAS CITY (816) 663-8700 | CUMENT DRAWINGS |
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| | # Description Date | # Description Date | # Description Date 1 ASI 01 11.16.2022 1 ASI 01 11.16.2022 | # Description Date 1 ASI 01 11.16.2022 1 ASI 01 11.16.2022 1 DERICK M. HOLMES NUMBER PE-2022005196 HOLMES HOLMES DERICK HOLMES - CIVIL ENGINEER MO# PE-2022005196 HOLMES HOLMES DERICK HOLMES - CIVIL ENGINEER MO# PE-2022005196 HOLMES HOLMES DERICK HOLMES - CIVIL ENGINEER MO# PE-2022005196 HOLMES HOLMES DERICK HOLMES - CIVIL ENGINEER MO# DECORDENTS not exhibiting this seal shall not be considered prepared by this senter applies only to the material and items shown on this sheet. All drawings, instruments or other bocuments not exhibiting this seal shall not be considered prepared by this senter applies only to the material and items shown on this sheet. All drawings, instruments not exhibiting this seal shall not be considered prepared by this senter. | #DescriptionDate1ASI 0111.16.20221ASI 0111.16.20221ASI 0111.16.20221DERICK M. HOLMES NUMBER PE-20220051961000000000000000000000000000000000000 | # Description Date 1 ASI 01 11.16.2022 1 ASI 01 11.16.2022 1 ASI 01 11.16.2022 1 DERICK M. DERICK M. NUMBER DERICK M. NUMBER PE-2022005196 Holder M. DERICK HOLMES - CIVIL ENGINEER NOT PE-2022005196 DERICK HOLMES - CIVIL ENGINEER MOT PE-2022005196 DATE 18225R21001 DATE: 10.19.2022 DRAWN BY: DMH | # Description Date 1 ASI 01 11.16.2022 1 ASI 01 11.16.2022 1 ASI 01 11.16.2022 1 DERICK M. HOLMES NUMBER PE-2022005196 File 0 DERICK HOLMES - CIVIL ENGINEER MO# PE-2022005196 File 0 GLMV Architecture, Inc. 10.19.2022 DRAWN BY: DMH CIK'D BY: 0 GLMV Architecture, Inc. All | # Description Date 1 ASI 01 11.16.2022 1 ASI 01 11.16.2022 1 ASI 01 11.16.2022 1 DERICK M. DERICK M. NUMBER NUMBER NUMBER PE-2022005196 11.16.2022 DERICK HOLMES - CIVIL ENGINEER NOT PE-2022005196 MOTH PE-2022005196 11.16.2022 DERICK HOLMES - CIVIL ENGINEER MOTH PE-2022005196 NUM PE-2022005196 10.19.2022 DERICK HOLMES - CIVIL ENGINEER 10.19.2022 DERICK HOLMES - CIVIL ENGINEER 10.19.2022 DRAWN BY: DMH CHK'D BY: SJB O GLMV Architecture, Inc. All work herein is the property of GLMV Architecture, Inc. and switten consent of GLMV Architecture, Inc. | # Description Date 1 ASI 01 11.16.2022 1 ASI 01 11.16.2022 1 ASI 01 11.16.2022 1 DERICK M. HOLMES NUMBER DERICK M. HOLMES NUMBER DERICK PE-2022005196 HOLMES DERICK HOLMES - CIVIL ENGINEER MUTECODE DERICK HOLMES - CIVIL ENGINEERE MUTECODE DERICK HOLMES - CIVIL ENGINEER MUTECODE MUTECODE IEZESREINER PROJECT NO: 18225R21001 DATE: 10.19.2022 DRAWN BY: DMH CHK'D BY: SJB Q GL | | 100% CONSTRUCTION DOG |

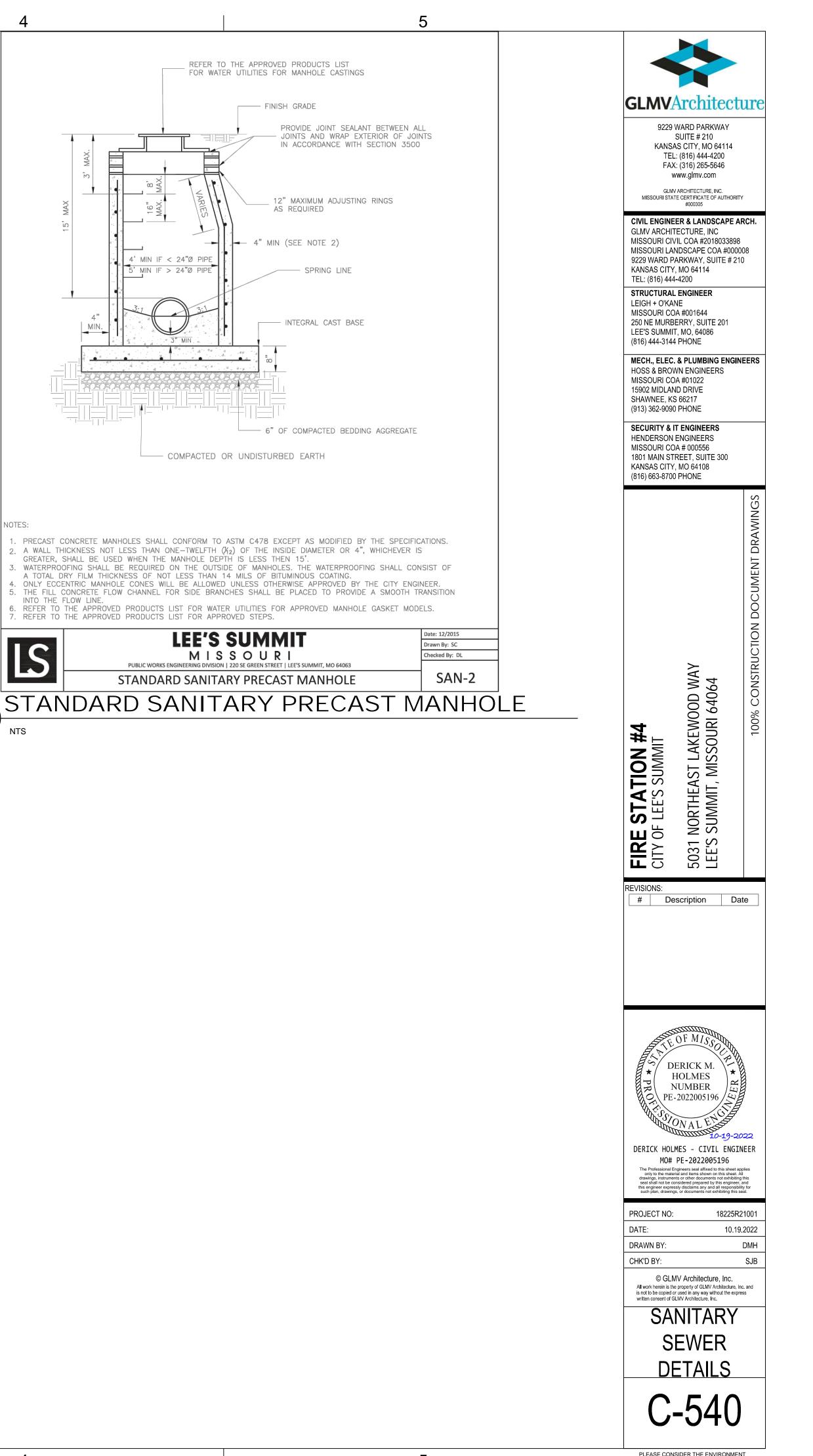
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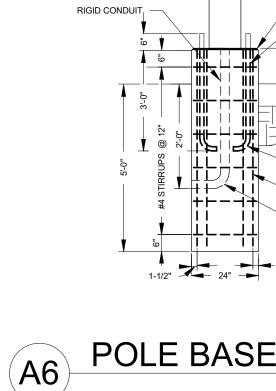
9229 WARD PARKWAY SUITE # 210 KANSAS CITY, MO 64114 TEL: (816) 444-4200 FAX: (316) 265-5646 www.glmv.com GLMV ARCHITECTURE, INC. MISSOURI STATE CERTIFICATE OF AUTHORITY #000305 **CIVIL ENGINEER & LANDSCAPE ARCH.** GLMV ARCHITECTURE, INC MISSOURI CIVIL COA #2018033898 MISSOURI LANDSCAPE COA #000008 9229 WARD PARKWAY, SUITE # 210 KANSAS CITY, MO 64114 TEL: (816) 444-4200 STRUCTURAL ENGINEER LEIGH + O'KANE MISSOURI COA #001644 250 NE MURBERRY, SUITE 201 LEE'S SUMMIT, MO, 64086 (816) 444-3144 PHONE MECH., ELEC. & PLUMBING ENGINEERS HOSS & BROWN ENGINEERS MISSOURI COA #01022 15902 MIDLAND DRIVE SHAWNEE, KS 66217 (913) 362-9090 PHONE SECURITY & IT ENGINEERS HENDERSON ENGINEERS

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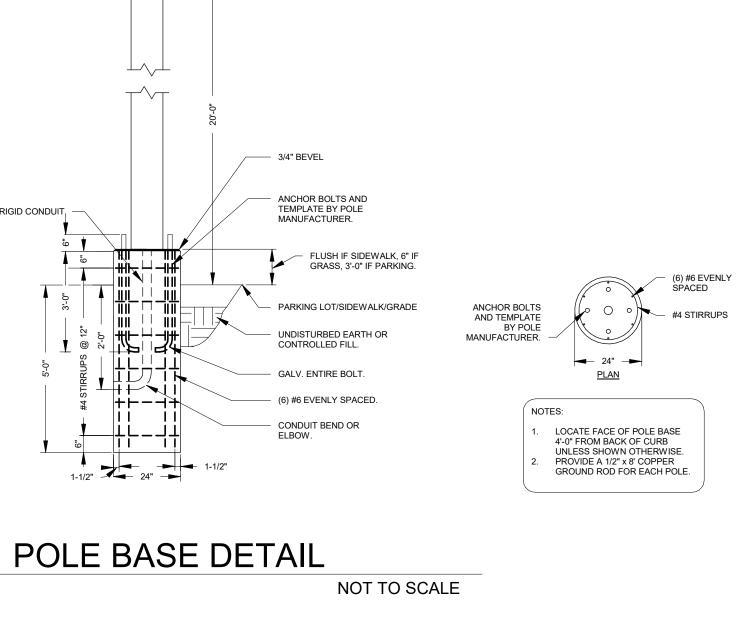
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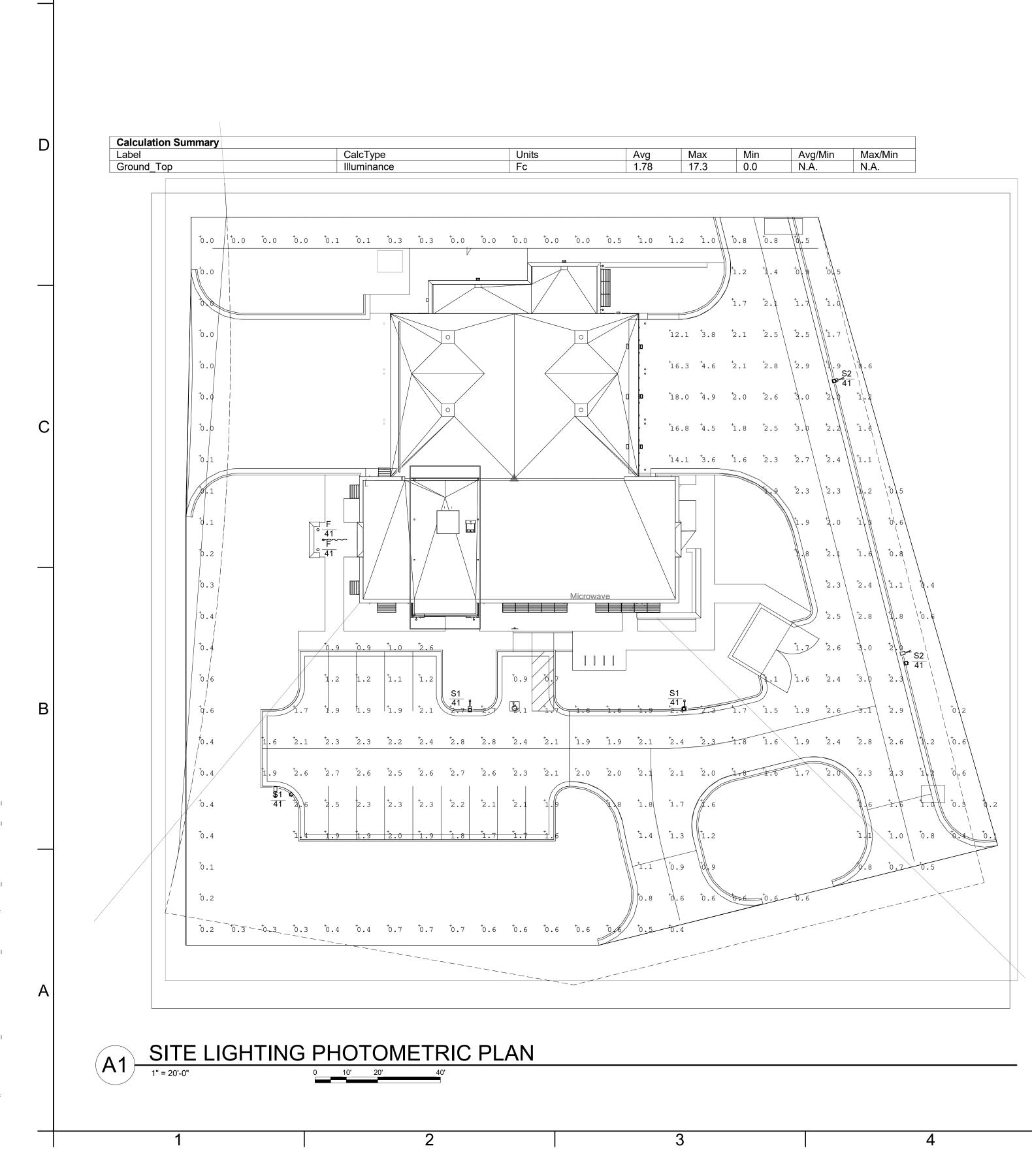
PLAN NOTES:

- 1 PROVIDE 1575 SQ. FT. OF CONCRETE WITH SNOW MELT. TUBING SHALL BE INSTALLED 6" BELOW FINISHED FLOOR. COORDINATE SLAB INSULATION WITH ARCHITECT. REFER TO SPECIFICATIONS FOR ADDITIONAL INFO.
- 2 PROVIDE NDS, OR EQUAL, MODEL 313BCBW MIN. 14X19 VALVE BOX FOR SNOW MELT MANIFOLD.
- 3 PROVIDE 1-1/2" EMPTY CONDUIT FOR GENERATOR CONTROLS ROUTED TO ATS. ROUTE ALL CONDUITS INCLUDING BLOCK HEATER, BATTERY CHARGER, AND ELECTRICAL CONDUITS BELOW GRADE INTO MECHANICAL ROOM.





F



3

LIGHT FIXTURE SCHEDULE

| | | | LIGHT SOURCE | | | | | | | | | | |
|----------------|----------------|---|--------------|--------|---------------|-----|-----------------|------------------|---------|-----|-------------|---|-------|
| FIXTURE TAG | MANUFACTURER | MODEL | TYPE | LUMENS | COLOR TEMP | CRI | DIMMING TYPE | MOUNTING TYPE | VOLTAGE | - | INPUT VA | DESCRIPTION | NOTES |
| F | VISTA LIGHTING | 1188-B-NS-35-C-MV-CX-ND-B34 | LED | 3000 | 3000 K | 85 | | IN-GRADE | 120 | 37 | 41 | CAST-IN PLACE IN-GRADE LIQUID TIGHT FLAGPOLE FIXTURE | 2,4,7 |
| S1 | LITHONIA | DSX1 LED P4 30K T4M MVOLT | LED | 13165 | 3000 K | 80 | | POLE | 120 | 125 | 139 | POLE MOUNTED SITE LIGHITNG FIXTURE | 2,10 |
| S2 | LITHONIA | DSX1 LED P4 30K T4M MVOLT HS | LED | 13165 | 3000 K | 80 | | POLE | 120 | 125 | 139 | POLE MOUNTED SITE LIGHTING WITH BACKLIGHT SHEILD FIXTURE | 2,10 |
| WL | MICROLINEA | ML3WLASY-D-CO(628LPF)-K40-80-12 -R-FLA-F01M-EF-UNV-DIM10 | LED | 2578 | 3000 K | 80 | | RECESSED | 120 | 356 | 395 | EXTERIOR LINEAR WALL-WASH FIXTURE. 4 FT SECTIONS, 7.5 W/FT. LUMENS OUTPUT PER 4 FT | 2 |
| WP | ACUITY | WDGE3 LED P2 30K 80CRI MVOLT SRM | LED | 8500 | 3000 K | 80 | | WALL MOUNT | 120 | 15 | 17 | EXTERIOR WALL PACK | 2 |
| WS | BEGA | 24 582 | LED | 1581 | 3000 K | 85 | | WALL MOUNT | 120 | 17 | 18 | EXTERIOR WALL SQUARE DOWN LIGHT | 2 |
| WXE | ACUITY | WDGE2 P130K 80CRI VF MVOLT SRM | LED | 1200 | 3000 K | 80 | | WALL MOUNT | 120 | 10 | 11 | EXTERIOR WALL PACK WITH COLD-WEATHER EM BATTERY | 2,4 |

6

NOTES: 1. PROVIDE FIXTURE WITH DIMMABLE DRIVER.

2. PROVIDE FIXTURE WITH COLD WEATHER DRIVER. 3. PROVIDE FIXTURE WITH EMERGENCY DRIVER.

4. PROVIDE FIXTURE WITH COLD WEATHER EMERGENCY DRIVER.

5. PROVIDE NUMBER OF FACES AND DIRECTIONAL ARROWS TO MATCH WHAT IS SHOWN ON DRAWINGS.

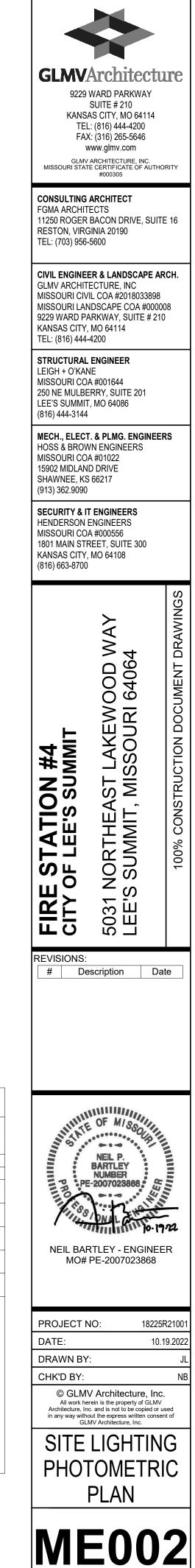
6. MOUNT FIXTURE 6'-4" ABOVE FINISHED GRADE.

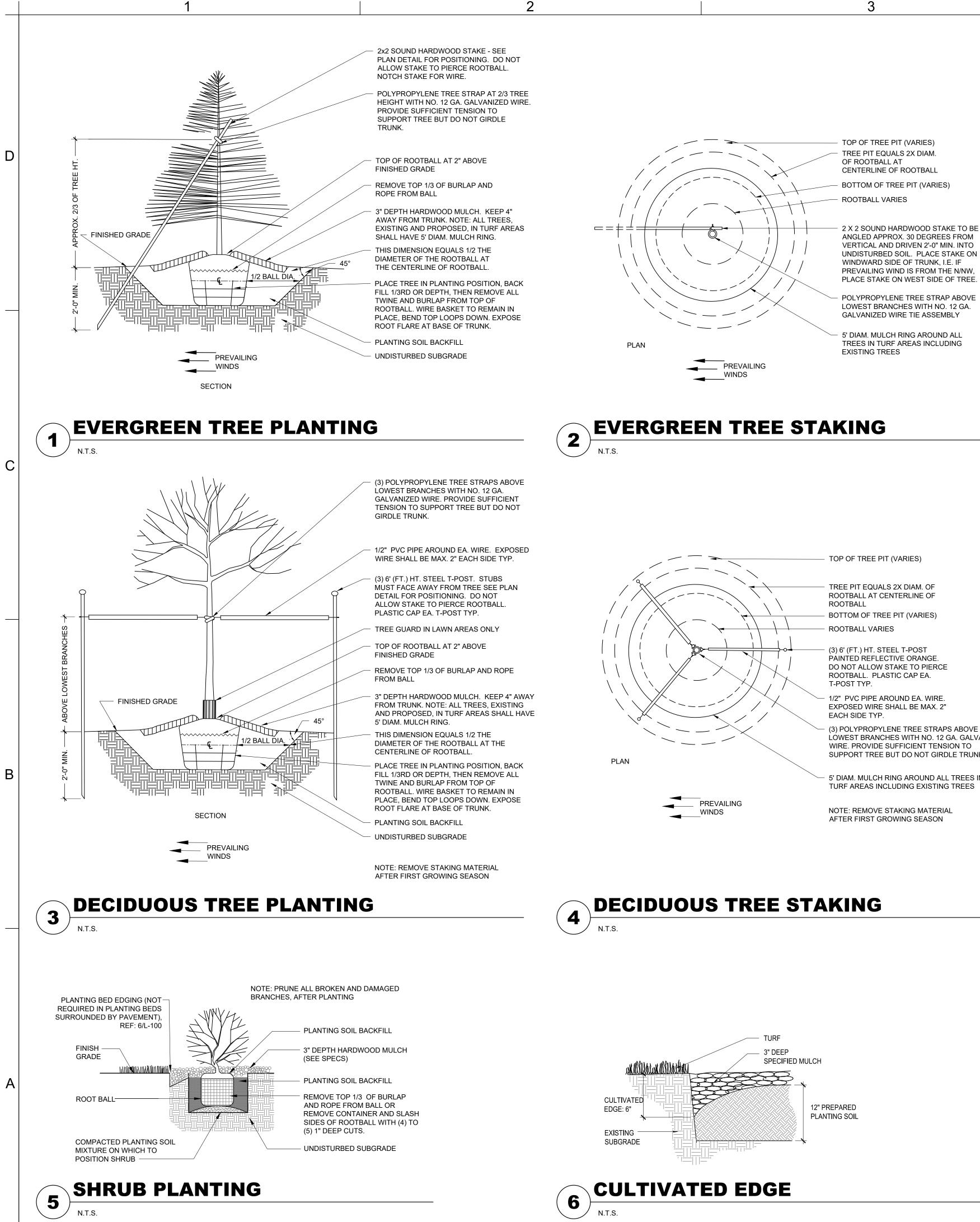
7. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION.

5

8. PROVIDE CONTINUOUS RUN LENGTHS AS SHOWN ON PLANS. 9. MOUNT WITHIN ARCHITECTURAL SOFFIT WHERE SHOWN. REFER TO ARCHITETUARAL PLAN FOR SOFFIT DETAILS. 10. POLE MOUNT FIXTURE AT 25'-0" ABOVE GRADE.

GENERAL NOTES: A. CONTRACTOR SHALL VERIFY CEILING TYPE PRIOR TO ORDERING ALL FIXTURES. B. PROVIDE ALL REQUIRED ACCESSORIES F







GENERAL LANDSCAPE SITE NOTES

- 1. PRIOR TO COMMENCEMENT OF WORK, THE CONTRACTOR SH HOURS ADVANCE NOTICE TO ALL COMPANIES/UTILITIES THAT IN THE NEAR VICINITY OF THE CONSTRUCTION TO BE PERFOR
- 2. CONTRACTOR SHALL VERIFY ALL PLANT COUNTS, QUANTITIE AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCH ORDERING OR INSTALLING MATERIALS SPECIFIED.
- 3. SEE PLANT SCHEDULE FOR PLANT LEGEND AND QUANTITIES.
- 4. SYMBOLS INDICATED ON THE PLAN TAKE PRIORITY OVER WR QUANTITIES AND LABELS.
- 5. PLANTS CALLED OUT IN PLAN ARE CONSIDERED IN CLUSTER ATTACHED BY CONNECTING LINES. CALLOUTS HAVE TOTAL C
- 6. CONTRACTOR SHALL MAINTAIN THE LANDSCAPE UNTIL SUBS COMPLETION. MAINTENANCE WORK SHALL CONSIST OF APPI WEEDING, AND FERTILIZING.
- 7. CONTRACTOR SHALL BE RESPONSIBLE FOR DISEASE AND PE DURING THE MAINTENANCE PERIOD.
- 8. CONTRACTOR TO VERIFY, WITH SOIL ANALYSIS, THE SOIL AM NEEDED AND CONTACT THE LANDSCAPE ARCHITECT IF THER INADEQUATE AMENITIES.
- 9. PLANT MATERIAL SHALL NOT BE DELIVERED TO THE SITE NOF WHEN TEMPERATURES ARE ABOVE 90°F OR BELOW 40°F AT 1 PLANTING AND FORECASTED FOR A PERIOD OF 2 WEEKS AFT INSTALLATION.
- 10. CONTRACTOR TO PROVIDE A 1-YEAR WARRANTY ON ALL INSTALLED PLANTINGS FROM POINT OF SUBSTANTIAL COMPLETION.

PLANT SCHEDULE

| TOP OF TREE PIT (VARIES) |
|---|
| TREE PIT EQUALS 2X DIAM. OF ROOTBALL AT CENTERLINE OF ROOTBALL BOTTOM OF TREE PIT (VARIES) ROOTBALL VARIES |
| (3) 6' (FT.) HT. STEEL T-POST PAINTED REFLECTIVE ORANGE. DO NOT ALLOW STAKE TO PIERCE ROOTBALL. PLASTIC CAP EA. T-POST TYP. |
| 1/2" PVC PIPE AROUND EA. WIRE. EXPOSED WIRE SHALL BE MAX. 2" EACH SIDE TYP. |
| (3) POLYPROPYLENE TREE STRAPS ABOVE LOWEST BRANCHES WITH NO. 12 GA. GALVANIZED WIRE. PROVIDE SUFFICIENT TENSION TO SUPPORT TREE BUT DO NOT GIRDLE TRUNK. |
| 5' DIAM. MULCH RING AROUND ALL TREES IN TURF AREAS INCLUDING EXISTING TREES |

NOTE: REMOVE STAKING MATERIAL AFTER FIRST GROWING SEASON

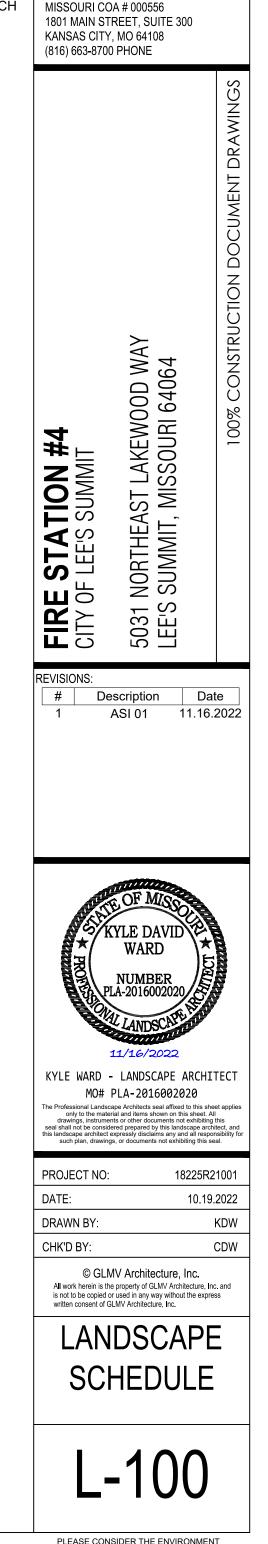
| TREES | CODE | <u>QTY</u> | BOTANICAL NAME | COMMON NAME | <u>CONT</u> | SIZE | |
|--|-------------|------------|--|----------------------------------|-------------|----------------|----------------|
| | MA | 4 | Malus x 'Adirondack' | Adirondack Crabapple | B & B | 3" | |
| | NW | 7 | Nyssa sylvatica `Wildfire` | Black Gum | B & B | 3" | |
| | ZM | 5 | Zelkova serrata 'Musashino' | Musashino Sawleaf Zelkova | B & B | 3" | |
| CONIFERS | CODE | <u>QTY</u> | BOTANICAL NAME | COMMON NAME | <u>CONT</u> | <u>SIZE</u> | |
| | PB | 2 | Picea pungens `Baby Blue` | Baby Blue Colorado Spruce | B & B | 8` Ht | 2 |
| \odot | TS | 18 | Thuja occidentalis 'Smaragd' | Emerald Green Arborvitae | B&B | 8`Ht | |
| SHRUBS | CODE | <u>QTY</u> | BOTANICAL NAME | COMMON NAME | CONT. | SPACING | SPACING |
| C C C C C C C C C C C C C C C C C C C | Са | 17 | Cornus sericea `Artic Fire` | Artic Fire Dogwood | 5 gal | Pot | 48" o.c. |
| $\langle \cdot \rangle$ | Ec | 10 | Euonymus alatus `Compactus` | Compact Burning Bush | 5 gal | Pot | 72" o.c. |
| NAME. | Но | 43 | Hemerocallis x 'Stella de Oro' | Stella de Oro Daylily | Quart | Pot | 18" o.c. |
| * | Hf | 17 | Hosta x 'First Frost' | First Frost Hosta | 2 gal | Pot | 30" o.c. |
| $\langle \cdot \rangle$ | II | 10 | Itea virginica `Little Henry` TM | Virginia Sweetspire | 2 gal | Pot | 36" o.c. |
| \bigcirc | PI | 6 | Perovskia atriplicifolia `Little Spire` TM | Little Spire Russian Sage | 2 gal | Pot | 24" o.c. |
| \odot | Rr | 19 | Rosa x `Knockout` TM | Rose | 2 gal | Pot | 48" o.c. |
| GRASSES | CODE | <u>QTY</u> | BOTANICAL NAME | COMMON NAME | CONT. | <u>SPACING</u> | <u>SPACING</u> |
| \bigcirc | Ck | 21 | Calamagrostis x acutiflora `Karl Foerster` | Feather Reed Grass | 3 gal. | Pot | 36" o.c. |
| ર્સ્ઝ | Fe | 28 | Festuca glauca `Elijah Blue` | Elijah Blue Fescue | 1 gal. | Pot | 18" o.c. |
| (+) | Sp | 18 | Schizachyrium scoparium `Prairie Munchkin` | Prairie Munchkin Little Bluestem | 2 gal | Pot | 24" o.c. |
| lacksquare | Sh | 42 | Sporobolus heterolepis | Prairie Dropseed | 2 gal | Pot | 30" o.c. |
| EVERGREEN | CODE | <u>QTY</u> | BOTANICAL NAME | COMMON NAME | CONT. | <u>SPACING</u> | <u>SPACING</u> |
| 2. · · · · · · · · · · · · · · · · · · · | JI | 19 | Juniperus chinensis 'Gold Lace' | Gold Lace Juniper | 5 gal | Pot | 60" o.c. |
| \odot | Ja | 8 | Juniperus horizontalis `Andorra` | Andorra Juniper | 2 gal | Pot | 48" o.c. |
| SOD/SEED | <u>CODE</u> | <u>QTY</u> | BOTANICAL NAME | COMMON NAME | TYPE | | |
| + + + + + + + + + + | Fa | 16,824 sf | Festuca arundinacea 90% Fescue, 10% Bluegrass Mix | Tall Fescue | sod | | |

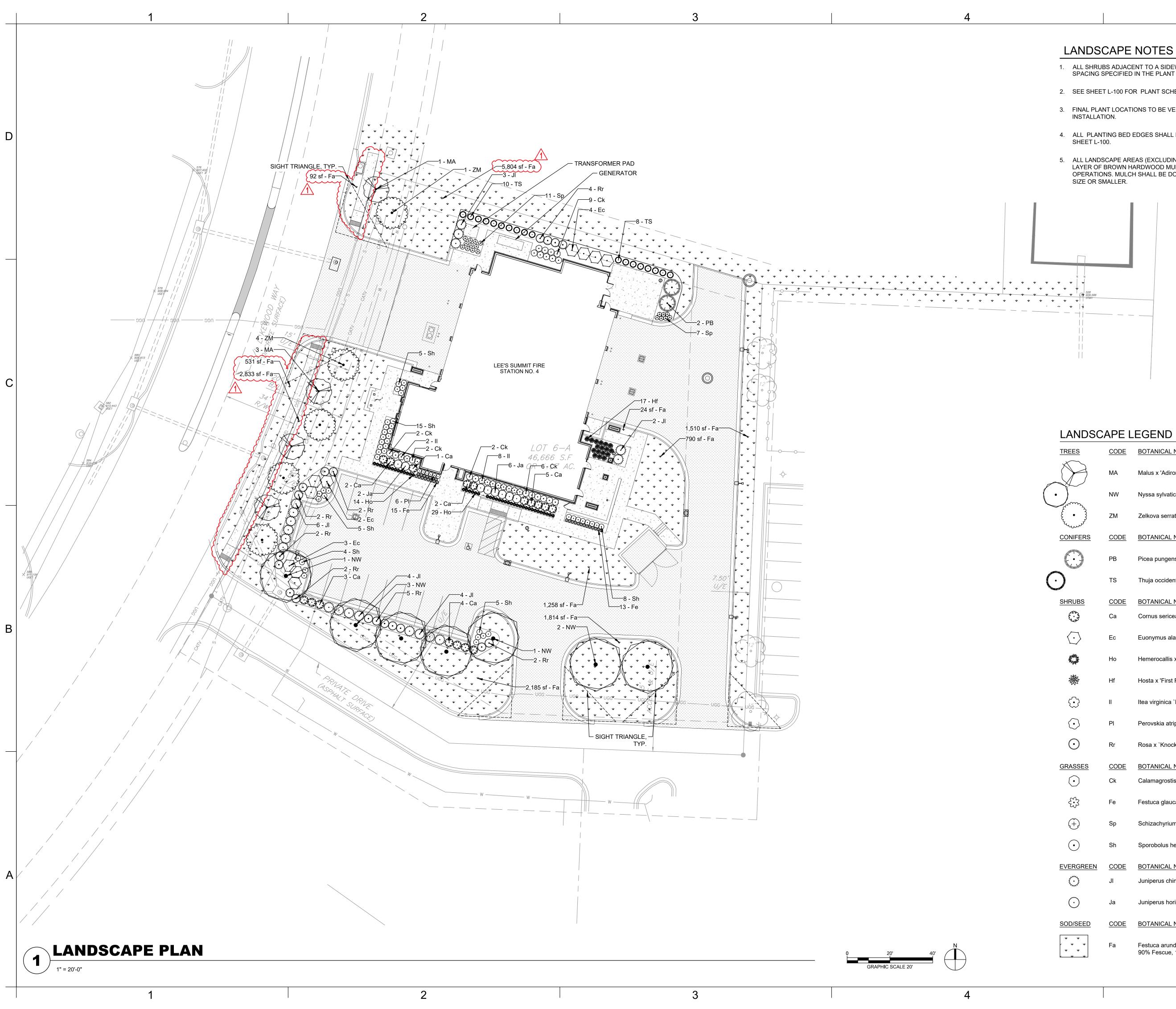


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|--|--|--|--|
| S | PLANTING NOTES | | |
| IALL GIVE 48 THAVE FACILITIES RMED. | INFESTATION, AND TRUE TO AMERICAN STANDARD FOR N | . BE OF EXCELLENT QUALITY, FREE OF DISEASE AND TYPE, VARIETY, SIZE SPECIFIED, AND FORM PER THE NURSERY STOCK (ANSI Z60.1, CURRENT VERSION), AN NURSERYMEN'S ASSOCIATION. | GLMVArchitecture |
| S AND AREAS HITECT PRIOR TO | 2. PLANT MATERIAL SHALL BE F | PLANTED AND MAINTAINED TO ASNS SPECIFICATIONS. | 9229 WARD PARKWAY SUITE # 210 KANSAS CITY, MO 64114 |
| | | Y ALL LANDSCAPE MATERIAL QUANTITIES AND SHALL ES IMMEDIATELY TO THE LANDSCAPE ARCHITECT. | TEL: (816) 444-4200 FAX: (316) 265-5646 www.glmv.com |
| RITTEN | | RIETY OR CULTIVAR SHALL BE ACCEPTED WITHOUT FIRST WAL FROM LANDSCAPE ARCHITECT. | GLMV ARCHITECTURE, INC. MISSOURI STATE CERTIFICATE OF AUTHORITY #000305 |
| S EVEN IF NOT COUNTS NEEDED. | PATTERN, FOLLOWING THE L | ALL BE LAID OUT IN A UNIFORM AND CONSISTENT LANDSCAPE PLAN ACCURATELY, PAYING ATTENTION TO OR COVERAGE AREA OF THE INDIVIDUAL SPECIES AND | CIVIL ENGINEER & LANDSCAPE ARCH. GLMV ARCHITECTURE, INC MISSOURI CIVIL COA #2018033898 MISSOURI LANDSCAPE COA #000008 9229 WARD PARKWAY, SUITE # 210 |
| TANTIAL LYING WATER, | ALL PLANTING BEDS ABUTTING LAWN AREAS SHALL HAVE A CULTIVATED EDGE (SEE DETAIL, THIS SHEET). | | KANSAS CITY, MO 64114 TEL: (816) 444-4200 |
| EST CONTROL | 7. ALL PLANTINGS SHALL BE TI THE SAME DAY AS INSTALLA | HOROUGHLY WATERED IN WITH A GARDEN HOSE, TWICE, TION TO ELIMINATE AIR POCKETS IN THE BACKFILL. ACED CLOSER THAN 3' FROM THE BACK OF THE CURB TO | STRUCTURAL ENGINEER LEIGH + O'KANE MISSOURI COA #001644 250 NE MURBERRY, SUITE 201 LEE'S SUMMIT, MO, 64086 (816) 444-3144 PHONE |
| IENDMENT RE ARE ANY R INSTALLED FHE TIME OF | PROPOSED TREES SHALL NO SERVICE LINES. IT IS THE CO LOCATIONS AND HAVE THEM UTILITY IS DAMAGED DURING | OT BE PLACED OVER EXISTING OR PROPOSED UTILITY ONTRACTOR'S RESPONSIBILITY TO UNDERSTAND UTILITY MARKED DURING TREE PLANTING OPERATIONS. IF G PLANTING, CONTRACTOR IS RESPONSIBLE FOR ONTRACTOR AND OWNER OF UTILITY AND PAYING FOR | MECH., ELEC. & PLUMBING ENGINEERS HOSS & BROWN ENGINEERS MISSOURI COA #01022 15902 MIDLAND DRIVE SHAWNEE, KS 66217 (913) 362-9090 PHONE |
| ER | REPAIR OF THE DAMAGED U | TILITY. AVE 3-INCHES OF SHREDDED BROWN HARDWOOD MULCH | SECURITY & IT ENGINEERS HENDERSON ENGINEERS MISSOURI COA # 000556 |

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UNLESS OTHERWISE SPECIFIED.





LANDSCAPE NOTES

- 1. ALL SHRUBS ADJACENT TO A SIDEWALK OR EDGE SHALL BE PLANTED $\frac{1}{2}$ THE SPACING SPECIFIED IN THE PLANT SCHEDULE.
- 2. SEE SHEET L-100 FOR PLANT SCHEDULE AND QUANTITIES.
- 3. FINAL PLANT LOCATIONS TO BE VERIFIED BY LANDSCAPE ARCHITECT PRIOR TO
- 4. ALL PLANTING BED EDGES SHALL BE A CULTIVATED EDGE. SEE DETAIL 6 ON
- 5. ALL LANDSCAPE AREAS (EXCLUDING SOD) ARE TO BE MULCHED WITH A 3" DEEP LAYER OF BROWN HARDWOOD MULCH AT THE CONCLUSION OF THE PLANTING OPERATIONS. MULCH SHALL BE DOUBLE GROUND, HARDWOOD, 1" DIAMETER IN

| | LANDSC | APE L | EGEND | | |
|--|--|-------------|--|----------------------------------|---|
| | TREES | <u>CODE</u> | BOTANICAL NAME | COMMON NAME | TRUC |
| | | MA | Malus x 'Adirondack' | Adirondack Crabapple | EWOOD WAY URI 64064 100% CONSTRUCTIC |
| | | NW | Nyssa sylvatica `Wildfire` | Black Gum | EW0 URI (|
| | | ZM | Zelkova serrata 'Musashino' | Musashino Sawleaf Zelkova | E STATION #4 DF LEE'S SUMMIT NORTHEAST LAKEWOOD WAY SUMMIT, MISSOURI 64064 100% CONSTR |
| | CONIFERS | CODE | BOTANICAL NAME | COMMON NAME | ATI S SU HEAS AIT, N |
| | | PB | Picea pungens `Baby Blue` | Baby Blue Colorado Spruce | E ST OF LEE NORTH S SUMN |
| And the second s | $\mathbf{\mathcal{D}}$ | TS | Thuja occidentalis 'Smaragd' | Emerald Green Arborvitae | FIRE CITY OF 5031 NU LEE'S S |
| | SHRUBS | CODE | BOTANICAL NAME | COMMON NAME | REVISIONS: |
| | | Ca | Cornus sericea `Artic Fire` | Artic Fire Dogwood | # Description Date 1 ASI 01 11.16.2022 |
| | $\langle \cdot \rangle$ | Ec | Euonymus alatus `Compactus` | Compact Burning Bush | |
| | Sunta Sunta | Но | Hemerocallis x 'Stella de Oro' | Stella de Oro Daylily | |
| | * | Hf | Hosta x 'First Frost' | First Frost Hosta | |
| | | II | Itea virginica `Little Henry` TM | Virginia Sweetspire | THE OF MISSO |
| Image: PlImage: PlImage: Rr | | PI | Perovskia atriplicifolia `Little Spire` TM | Little Spire Russian Sage | KYLE DAVID |
| | | Rr | Rosa x `Knockout` TM | Rose | WARD NUMBER PLA-2016002020 |
| | GRASSES | CODE | BOTANICAL NAME | COMMON NAME | LANDSCAR |
| | \odot | Ck | Calamagrostis x acutiflora `Karl Foerster` | Feather Reed Grass | 11/16/2022 KYLE WARD - LANDSCAPE ARCHITECT |
| | ĘŢ | Fe | Festuca glauca `Elijah Blue` | Elijah Blue Fescue | MO# PLA-2016002020 The Professional Landscape Architects seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments or other documents not exhibiting this seal shall not be considered prepared by this landscape architect, and this landscape architect expressly disclaims any and all responsibility for such plan, drawings, or documents not exhibiting this seal. |
| | $\left(\begin{array}{c} + \end{array}\right)$ | Sp | Schizachyrium scoparium `Prairie Munchkin` | Prairie Munchkin Little Bluestem | PROJECT NO: 18225R21001 |
| | (\bullet) | Sh | Sporobolus heterolepis | Prairie Dropseed | DATE: 10.19.2022 |
| | U | GI | | | DRAWN BY: KDW CHK'D BY: CDW |
| | EVERGREEN | CODE | BOTANICAL NAME | COMMON NAME | © GLMV Architecture, Inc. |
| | 2000 - 2000 2000 - 2000 2000 - 2000 2000 - 2000 | JI | Juniperus chinensis 'Gold Lace' | Gold Lace Juniper | All work herein is the property of GLMV Architecture, Inc. and is not to be copied or used in any way without the express written consent of GLMV Architecture, Inc. |
| | \odot | Ja | Juniperus horizontalis `Andorra` | Andorra Juniper | LANDSCAPE |
| | SOD/SEED | <u>CODE</u> | BOTANICAL NAME | COMMON NAME | PLAN |
| | | Fa | Festuca arundinacea 90% Fescue, 10% Bluegrass Mix | Tall Fescue | L-101 |

5

GLMVArchitecture

9229 WARD PARKWAY

SUITE # 210 KANSAS CITY, MO 64114 TEL: (816) 444-4200

FAX: (316) 265-5646

www.glmv.com

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9229 WARD PARKWAY, SUITE # 210

KANSAS CITY, MO 64114

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