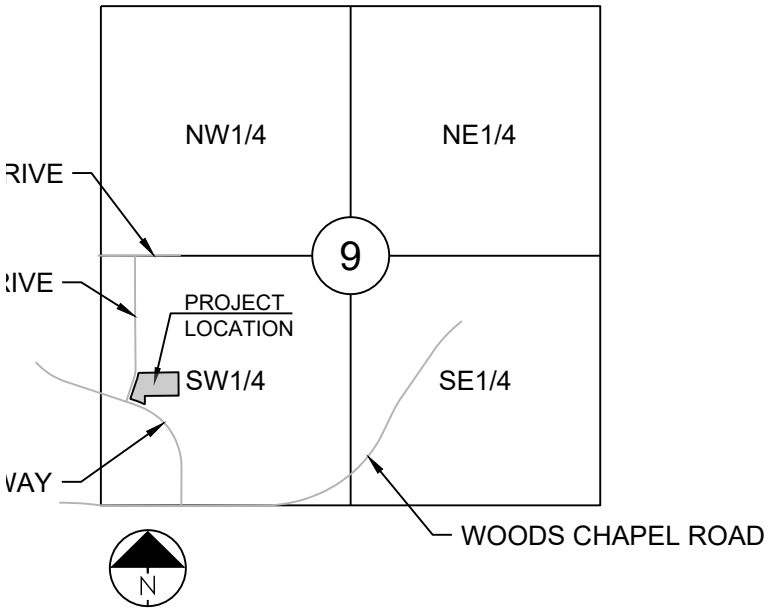


FINAL DEVELOPMENT PLANS
FOR
LAKEWOOD BUSINESS PARK - LOT 35
IN THE CITY OF LEE'S SUMMIT
JACKSON COUNTY, MISSOURI

LEGEND:

- A/E - ACCESS EASEMENT
BC - BACK OF CURB
B/B - BACK TO BACK
BM - BENCHMARK
BL or B.L. - BUILDING LINE
CO - CLEANOUT
TJB - TELEPHONE JUNCTION BOX
C&G - CURB AND GUTTER
D/E - DRAINAGE EASEMENT
E/E - ELECTRICAL EASEMENT
EL - ELEVATION
FL - FLOW LINE
G/E - GAS LINE EASEMENT
HDPE - HIGH-DENSITY POLYETHYLENE
L/E - LANDSCAPE EASEMENT
MSFE - MINIMUM SERVICEABLE FLOOR ELEVATION
PVC - POLYVINYL CHLORIDE
P/L - PROPERTY LINE
PUB/E - PUBLIC EASEMENT
RCP - REINFORCED CONCRETE PIPE
ROW or R/W - RIGHT-OF-WAY
S/E - SANITARY SEWER EASEMENT
SL - SERVICE LINE
S/W - SIDEWALK
TE - TOP ELEVATION
U/E - UTILITY EASEMENT
WSE - WATER SURFACE ELEVATION
W/E - WATERLINE EASEMENT

- ASPHALT PAVEMENT - EXISTING
ASPHALT PAVEMENT - PROPOSED
CONCRETE PAVEMENT - EXISTING
CONCRETE SIDEWALK - EXISTING
CONCRETE SIDEWALK - PROPOSED
CURB & GUTTER
CURB & GUTTER - EXISTING
TREELINE
EXISTING LOT AND R/W LINES
EXISTING PLAT LINES
P/L - PROPERTY LINES
ROW - RIGHT-OF-WAY
SANITARY SEWER MAIN
SANITARY SEWER MAIN - EXIST.
STO - STORM SEWER
STORM SEWER - EXISTING
CABLE TV - EXISTING
FIBER OPTIC CABLE - EXISTING
TELEPHONE LINE - EXIST.
ELECTRIC LINE - EXISTING
OVERHEAD POWER LINE - EXIST.
UNDERGROUND ELECTRIC - EX.
GAS LINE - EXISTING
WATERLINE - EXISTING
LIGHT - EXISTING
EXISTING MANHOLE
CLEANOUT
EXISTING SANITARY MANHOLE
PROPOSED SANITARY MANHOLE
EXISTING AREA INLET
EXISTING CURB INLET
EXISTING GRATE INLET
EXISTING JUNCTION BOX
EXISTING STORM MANHOLE



SECTION 9-48-31

LOCATION MAP
SCALE 1" = 2000'

UTILITY CONTACTS:

MISSOURI DEPARTMENT OF
TRANSPORTATION (MODOT)

Steve Holloway
600 NE Colbern Road
Lee's Summit, MO 64086
(816) 607-2186

MISSOURI GAS ENERGY (MGE)

Brent Jones
3025 SE Clover Drive
Lee's Summit, MO 64082
(816) 399-9633
brent.jones@spireenergy.com

EVERGY (formerly KCP&L)

Gary Jones
Gary.Jones@evergy.com

CITY OF LEES SUMMIT PUBLIC WORKS

Michael Park
220 SE Green Street
Lee's Summit, MO 64063
(816) 969-1800

AT&T

Mark Manion or Marty Loper
500 E. 8th Street, Room 370
Kansas City, MO 64106
(816) 275-2341 or (816) 275-1550

COMCAST CABLE

Barbara Brown
3400 W. Duncan Road
Blue Springs, MO 64015
(816) 795-2255

PUBLIC WATER SUPPLY DISTRICT

Mark Schaufier
220 SE Green Street
Lee's Summit, MO 64063
(816) 969-1900

GENERAL NOTES:

- ALL CONSTRUCTION TO FOLLOW THE CITY OF LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL AS ADOPTED BY ORDINANCE 5813.
- ALL WORKMANSHIP AND MATERIALS SHALL BE SUBJECT TO THE INSPECTION AND APPROVAL OF THE ENGINEERING DEPARTMENT OF THE CITY OF LEE'S SUMMIT, MISSOURI.
- LINEAL FOOT MEASUREMENTS SHOWN ON THE PLANS ARE HORIZONTAL MEASUREMENTS, NOT SLOPE MEASUREMENTS. ALL PAYMENTS SHALL BE MADE ON HORIZONTAL MEASUREMENTS.
- NO GEOLOGICAL INVESTIGATION HAS BEEN PERFORMED ON THE SITE.
- THE UTILITY LOCATIONS SHOWN ON THESE PLANS ARE TAKEN FROM UTILITY COMPANY RECORDS AND APPARENT FIELD LOCATIONS. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION.
- 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 OR 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 CONTRACTOR MAY ALSO UTILIZE THE FOLLOWING TOLL FREE PHONE NUMBER PROVIDED BY "MISSOURI ONE CALL SYSTEM, INC.": 1-800-DIG-RITE. THIS PHONE NUMBER IS APPLICABLE ANYWHERE WITHIN THE STATE OF MISSOURI. 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.
- PRIOR TO ORDERING PRECAST STRUCTURES, SHOP DRAWING SHALL BE SUBMITTED TO THE DESIGN ENGINEER FOR APPROVAL.
- THE CONTRACTOR SHALL PROTECT ALL MAJOR TREES FROM DAMAGE. NO TREE SHALL BE REMOVED WITHOUT PERMISSION OF THE OWNER, UNLESS SHOWN OTHERWISE.
- CLEARING AND GRUBBING OPERATIONS AND DISPOSAL OF ALL DEBRIS THEREFROM SHALL BE PERFORMED BY THE CONTRACTOR IN STRICT ACCORDANCE WITH ALL LOCAL CODES AND ORDINANCES.
- ALL WASTE MATERIAL RESULTING FROM THE PROJECT SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR, OR AS DIRECTED BY THE OWNER.
- ALL EXCAVATIONS SHALL BE UNCLASSIFIED. NO SEPARATE PAYMENT WILL BE MADE FOR ROCK EXCAVATION.
- THE CONTRACTOR SHALL CONTROL THE EROSION AND SILTATION DURING ALL PHASED OF CONSTRUCTION, AND SHALL KEEP THE STREETS CLEAN OF MUD AND DEBRIS.
- ALL MANHOLES, CATCH BASINS, UTILITY VALVES AND METER PITS TO BE ADJUSTED OR REBUILT TO GRADE AS REQUIRED.
- 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 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 OPERATIONS, 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.
- THE CONTRACTOR SHALL CONTACT PUBLIC WORKS INSPECTIONS AT: 816-969-1800 TO OBTAIN A PUBLIC WORKS CONSTRUCTION PERMIT. A MINIMUM 48 HOUR NOTICE SHALL BE GIVEN PRIOR TO PERMIT ISSUANCE.
- THE CONTRACTOR SHALL CONTACT THE CITY'S EROSION CONTROL SPECIALIST AT: 816-969-1800 PRIOR TO ANY LAND DISTURBANCE.
- THE CONTRACTOR SHALL CONTACT THE RIGHT OF WAY INSPECTOR AT 816-969-1800 PRIOR TO ANY LAND DISTURBANCE ACTIVITIES WITHIN THE RIGHT OF WAY. THESE ACTIVITIES MAY REQUIRE A PERMIT.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL TRAFFIC HANDLING MEASURES NECESSARY TO ENSURE THAT THE GENERAL PUBLIC IS PROTECTED AT ALL TIMES. TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD-LATEST EDITION).
- ALL SANITARY SEWER LATERALS SHALL HAVE A TRENCH CHECK, CONSISTING OF FLOWABLE BACKFILL, INSTALLED DURING CONSTRUCTION. TRENCH CHECK SHALL EXTEND TO BOTTOM OF TRENCH, TO WIDTH OF TRENCH, TO 12 INCHES ABOVE PIPE, FOR A MINIMUM LENGTH OF 12 INCHES. TRENCH CHECK SHALL BE LOCATED AT LEAST 5 FEET FROM SANITARY MAIN.

GRADING/EARTHWORK NOTES:

- REFER TO GEOTECHNICAL REPORT FOR ALL COMPACTION REQUIREMENTS AND ASPHALT AND CONCRETE RECOMMENDED THICKNESS AND SUBGRADE TREATMENTS.
- RECOMMEND A GEOTECHNICAL ENGINEER REVIEW ALL EARTHWORK ACTIVITY TO MAKE SURE RECOMMENDATIONS IN GEOTECHNICAL REPORT ARE FOLLOWED.
- PRIOR TO PLACEMENT OF PAVEMENT, GEOTECHNICAL ENGINEER MUST APPROVE SUBGRADE IN WRITTEN FORM TO THE OWNER AND PROJECT ENGINEER.
- ALL UTILITY INSTALLATIONS UNDER PAVED AREAS MUST BE COMPACTED AS PER THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER AND THE GEOTECHNICAL REPORT.
- ALL CONSTRUCTION SHALL COMPLY WITH THE CITY OF LENEXA TECHNICAL SPECIFICATIONS.
- EXISTING TOPOGRAPHY SHOWN AS ESTABLISHED FROM AERIAL PHOTOGRAMMETRY AND FIELD, SPOT CHECKED BY SCHLAGEL AND ASSOCIATES, P.A.. CONTRACTOR TO FIELD VERIFY ELEVATIONS. NO ADDITIONAL MONEY WILL BE PAID FOR HAUL-IN OR HAUL-OFF MATERIAL.

EARTHWORK:

- IT IS RECOMMENDED THAT A GEOTECHNICAL ENGINEER OBSERVE AND DOCUMENT ALL EARTHWORK ACTIVITIES.
- CONTOURS HAVE BEEN SHOWN AT 1-FOOT OR 2-FOOT INTERVALS, AS INDICATED. GRADING SHALL CONSIST OF COMPLETING THE EARTHWORK REQUIRED TO BRING THE PHYSICAL GROUND ELEVATIONS OF THE EXISTING SITE TO THE FINISHED GRADE (OR SUB-GRADE) ELEVATIONS PROVIDED ON THE PLANS AS SPOT GRADES, CONTOURS OR OTHERS MEANS AS INDICATED ON THE PLANS.
- THE EXISTING SITE TOPOGRAPHY DEPICTED ON THE PLANS BY CONTOURING HAS BEEN ESTABLISHED BY AERIAL PHOTOGRAPHY AND FIELD VERIFIED BY G.P.S. OBSERVATION NEAR JULY 18TH, 2016. THE CONTOUR ELEVATIONS PROVIDED MAY NOT BE EXACT GROUND ELEVATIONS, BUT RATHER INTERPRETATIONS OF SUCH. ACCURACY SHALL BE CONSIDERED TO BE SUCH THAT NOT MORE THAN 10 PERCENT OF SPOT ELEVATION CHECKS SHALL BE IN ERROR BY MORE THAN ONE-HALF THE CONTOUR INTERVAL PROVIDED, AS DEFINED BY THE NATIONAL MAP ACCURACY STANDARDS. ANY QUANTITIES PROVIDED FOR EARTHWORK VOLUMES ARE ESTABLISHED USING THIS TOPOGRAPHY CONTOUR ACCURACY, AND THEREFORE THE INHERENT ACCURACY OF ANY EARTHWORK QUANTITY IS ASSUMED FROM THE TOPOGRAPHY ACCURACY. PROPOSED CONTOURS ARE TO APPROXIMATE FINISHED GRADE.
- UNLESS OTHERWISE NOTED, PAYMENT FOR EARTHWORK SHALL INCLUDE BACKFILLING OF THE CURB AND GUTTER, SIDEWALK AND FURTHER MANIPULATION OF UTILITY TRENCH SPOILS. THE SITE SHALL BE LEFT IN A MOWABLE CONDITION AND POSITIVE DRAINAGE MAINTAINED THROUGHOUT.
- UNLESS OTHERWISE NOTED, ALL EARTHWORK IS CONSIDERED UNCLASSIFIED. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR ROCK OR SHALE EXCAVATION, UNLESS SPECIFICALLY STATED OTHERWISE.
- PRIOR TO EARTHWORK ACTIVITIES, PRE-DISTURBANCE EROSION AND SEDIMENT CONTROL DEVICES SHALL BE IN PLACE PER THE STORM WATER POLLUTION PREVENTION PLAN AND/OR THE EROSION AND SEDIMENT CONTROL PLAN PREPARED FOR THIS SITE.
- ALL TOPSOIL SHALL BE STRIPPED FROM ALL AREAS TO BE GRADED AND STOCKPILED ADJACENT TO THE SITE AT AN AREA SPECIFIED BY THE PROJECT OWNER OR HIS APPOINTED REPRESENTATIVE. VEGETATION, TRASH, TREES, BRUSH, TREE ROOTS AND LIMBS, ROCK FRAGMENTS GREATER THEN 6-INCHES AND OTHER DELETERIOUS MATERIALS SHALL BE REMOVED AND PROPERLY DISPOSED OF OFFSITE OR AS DIRECTED BY THE OWNER OR HIS APPOINTED REPRESENTATIVE.
- UNLESS OTHERWISE SPECIFIED IN THE GEOTECHNICAL REPORT, ALL FILLS SHALL BE PLACED IN MAXIMUM 6-INCH LIFTS AND COMPACTED TO 95-PERCENT OF MAXIMUM DENSITY AS DEFINED USING A STANDARD PROCTOR TEST (AASHTO T99/ASTM 698).
- SUBGRADE FOR PAVEMENTS SHALL BE PROOF-ROLLED PRIOR TO PAVING OPERATIONS UTILIZING A FULLY LOADED TANDY AXLE DUMP TRUCK. ALL AREAS EXHIBITING EXCESSIVE PUMPING AND HEAVING SHALL BE REMOVED, FILLED AND COMPACTED WITH SUITABLE MATERIALS AND RETESTED UNTIL ACCEPTABLE RESULTS ARE ACHIEVED AND FINAL APPROVAL HAS BEEN OBTAINED FROM THE GEOTECHNICAL ENGINEER.
- SUBGRADE FOR BUILDING PAD SHALL INCLUDE A MINIMUM OF 18-INCHES OF LOW VOLUME CHANGE (LVC) MATERIAL, OR AS IDENTIFIED IN THE SITE SPECIFIC GEOTECHNICAL REPORT.
- FILL MATERIALS SHALL BE PER GEOTECHNICAL REPORT AND SHALL NOT INCLUDE ORGANIC MATTER, DEBRIS OR TOPSOIL. ALL FILLS PLACED ON SLOPES GREATER THAN 6:1 SHALL BE BENCHED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REDISTRIBUTING THE TOPSOIL OVER PROPOSED TURF AND LANDSCAPED AREAS TO A MINIMUM DEPTH OF 6-INCHES BELOW FINAL GRADE.
- ALL AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE, UNLESS NOTED OTHERWISE THE FOLLOWING GRADES SHALL APPLY:
 - TURF AREAS - 2.5% MINIMUM, 4H:1V MAXIMUM
 - PAVED AREAS - 1.2% MINIMUM, 5% MAXIMUM
- A.D.A. PARKING STALLS SHALL NOT BE SLOPED GREATER THEN 2% IN ANY DIRECTION AND CONSTRUCTED PER A.D.A. REQUIREMENTS.
- ALL DISTURBED AREAS SHALL BE FERTILIZED, SEEDED AND MULCHED IMMEDIATELY AFTER EARTHWORK ACTIVITIES HAVE CEASED. SEEDING SHALL BE PER THE EROSION AND SEDIMENT CONTROL PLAN AND/OR LANDSCAPE PLAN. IF NOT SPECIFIED SEEDING SHALL BE PER APWA SECTION 2400, LATEST EDITION. UNLESS OTHERWISE NOTED, SEEDING SHALL BE SUBSIDIARY TO THE CONTRACT PRICE FOR EARTHWORK AND GRADING ACTIVITIES.
- ALL DISTURBED AREAS IN THE RIGHT-OF-WAY SHALL BE SODDED.
- UNDERDRAINS ARE RECOMMENDED FOR ALL PAVED AREAS ADJACENT TO IRRIGATED TURF AND LANDSCAPED BEDS.
- CONTRACTOR SHALL ADHERE TO THE REPORTING REQUIREMENTS OUTLINED IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THIS PROJECT. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE PROPERLY MAINTAINED AND KEPT CLEAN OF SILT AND DEBRIS AND IN GOOD WORKING ORDER. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS REQUIRED.

UTILITIES:

- EXISTING UTILITIES HAVE BEEN SHOWN TO THE GREATEST EXTENT POSSIBLE BASED UPON INFORMATION PROVIDED TO THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE RESPECTIVE UTILITY COMPANIES AND FIELD LOCATING UTILITIES PRIOR TO CONSTRUCTION AND IDENTIFYING ANY POTENTIAL CONFLICTS. ALL CONFLICTS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ANY REQUIRED UTILITY RELOCATIONS. UTILITIES DAMAGED THROUGH THE NEGLIGENCE OF THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL VERIFY FLOW-LINES AND STRUCTURE TOPS PRIOR TO CONSTRUCTION, AND SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES. PROVIDE SHOP DRAWINGS FOR ALL PRECAST AND MANUFACTURED UTILITY STRUCTURES FOR REVIEW BY THE ENGINEER PRIOR TO CONSTRUCTION OF THE STRUCTURES.
- UTILITY SEPARATION: WATERLINES SHALL HAVE A MINIMUM OF 10 FEET HORIZONTAL AND 2 FEET VERTICAL SEPARATION FROM ALL SANITARY AND STORM SEWER LINES. IF MINIMUM SEPARATIONS CAN NOT BE OBTAINED, CONCRETE ENCASEMENT OF THE SANITARY OR STORM SEWER LINE SHALL BE REQUIRED 10 FEET IN EACH DIRECTION OF THE CONFLICT.
- PAYMENT FOR TRENCHING, BACKFILLING, PIPE EMBEDMENT, FLOWABLE FILL, BACKFILL MATERIALS, CLEAN UP, SEEDING, SODDING AND ANY OTHER ITEMS NECESSARY FOR THE CONSTRUCTION OF THE UTILITY LINE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE UTILITY INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING RESPECTIVE UTILITY COMPANIES 48-HOURS IN ADVANCE FOR THE INSPECTION OF ANY PROPOSED UTILITY MAIN EXTENSION OR SERVICE LINE OR SERVICE CONNECTION TO ANY EXISTING MAIN.
- TRENCH SPOILS SHALL BE NEATLY PLACED ONSITE ADJACENT TO THE TRENCH, AND COMPACTED TO PREVENT SATURATION AND EXCESS SEDIMENT RUNOFF. UNSUITABLE MATERIALS, EXCESS ROCK AND SHALE, ASPHALT, CONCRETE, TREES, BRUSH ETC. SHALL BE PROPERLY DISPOSED OF OFFSITE. MATERIALS MAY BE WASTED ONSITE AT THE DIRECTION OF THE OWNER OR HIS APPOINTED REPRESENTATIVE.

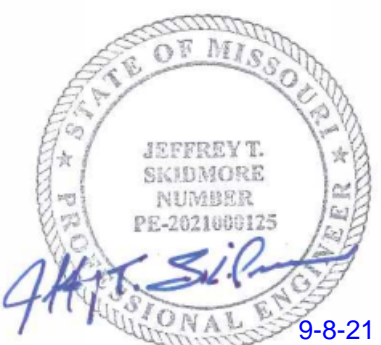
NOTE:

- TRENCH CHECKS TO BE INSTALL ON ALL SANITARY SEWER SERVICE LINES IN ACCORDANCE WITH CITY OF LEE'S SUMMIT STANDARDS.
- THERE ARE NO OIL OR GAS WELLS LOCATED WITHIN THIS PROJECT SITE.

| Sheet List Table | |
|------------------|--------------------------------|
| Sheet Number | Sheet Title |
| C0.0 | COVER SHEET |
| C1.0 | SITE PLAN |
| C2.0 | GRADING PLAN |
| C2.1 | INTERSECTION DTIALS |
| C3.0 | EROSION CONTROL PLAN |
| C3.1 | EROSION CONTOL DETAILS |
| C4.0 | STORM SEWER PLAN & PROFILE |
| C5.0 | DETENTION BASIN PLAN & PROFILE |
| C6.0 | UTILITY PLAN |
| C7.0 | SITE DETAILS |
| C7.1 | SITE DETAILS |
| C7.2 | SITE DETAILS |
| C7.3 | SITE DETAILS |
| L1.0 | LANDSCAPE PLAN |
| L2.0 | LANDSCAPE DETAILS |
| L2.1 | LANDSCAPE DETAILS |



PREPARED BY:



SCHLAGEL & ASSOCIATES, P.A.

LAKEWOOD BUSINESS PARK - LOT 35
FINAL DEVELOPMENT PLANS
4101 NE PORT DRIVE
LEE'S SUMMIT, MISSOURI

APPROVED BY:

CITY ENGINEER

APPROVED FOR ONE YEAR FROM THIS DATE

DATE

OWNER/DEVELOPER:

LAKEWOOD SELF-STORAGE, LLC
JUSTIN BEAL OR MICHAEL VANBURSKIRK
1220 WASHINGTON, SUITE 300
KANSAS CITY, MO 64105
P: (816) 268-4241
E: JBREAL@NGZIMMER.COM



RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
09/15/2021

COVER SHEET

SHEET

C0.0

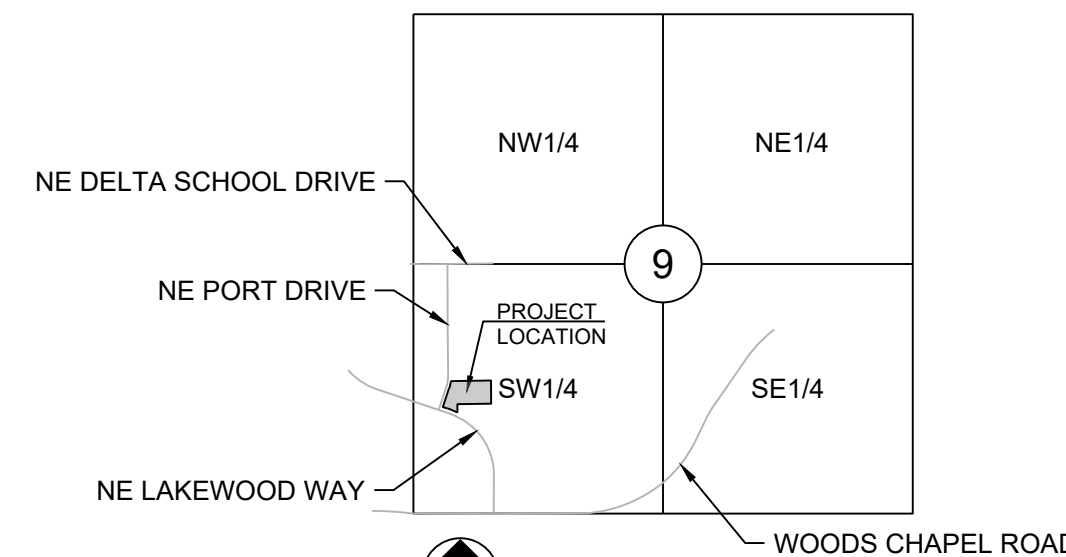
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PROPERTY DESCRIPTION:

LOT 35 OF LAKEWOOD BUSINESS PARK, LOTS 33A, AND 34-36.

PAVEMENT LEGEND:

- PROPOSED ASPHALT PAVEMENT
- EXISTING ASPHALT PAVEMENT
- PROPOSED 4" CONCRETE SIDEWALK
- PROPOSED CONCRETE PAVEMENT
- EXISTING CONCRETE SIDEWALK
- TYPE CG-1 CURB & GUTTER
- TYPE CG-1 CURB & GUTTER - DRY
- EXISTING CURB & GUTTER
- REMOVE EXISTING PAVEMENT
- REMOVE EXISTING CONC. CURB AND GUTTER

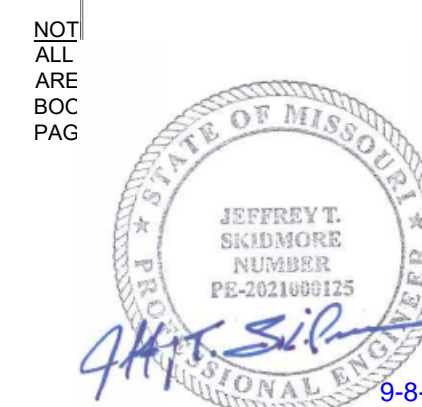


SECTION 9-48-31

LOCATION MAP
SCALE 1" = 2000'



PREPARED BY:



SCHLAGEL & ASSOCIATES, P.A.

OWNER: KELLEY PAUL L. TRUSTEE
ADDRESS: 1204 NE WOODS CHAPEL RD
LAKEWOOD BUSINESS PARK - LOT 35
FINAL DEVELOPMENT PLANS
4101 NE PORT DRIVE
LEE'S SUMMIT, MISSOURI

| REVISION DATE | DESCRIPTION |
|---------------|---------------|
| 09/13/2021 | City Comments |
| 09/30/2021 | City Comments |
| 09/07/2021 | City Comments |
| 09/15/2021 | City Comments |

| DRAWN BY: | DATE PREPARED: | PROJ. NUMBER: |
|-----------|----------------|---------------|
| RPM | 09/15/2021 | 20-261 |

SITE PLAN

SHEET

C1.0

OVERALL SITE DATA

EXISTING ZONING
PROPOSED ZONING
SITE AREA
PROPOSED BUILDING USE
BUILDING HEIGHT
FINISHED FLOOR ELEV.

P-MIX
P-MIX
2.93 ACRES
WAREHOUSE, TRANSFER AND STORAGE
40 FEET (ELEV. 980.0)
940.0

LOT 1 SITE DATA

LOT 1 AREA
TOTAL BUILDING AREA
PAVEMENT AREA
TOTAL IMPERVIOUS AREA
OPEN AREA
FLOOR AREA RATIO (FAR)

124,458.3 S.F. (2.93 ACRES)
34,400.0 S.F.
36,612.2 S.F.
71,012.2 S.F.
53,446.1 S.F.
27.6%

PARKING DATA

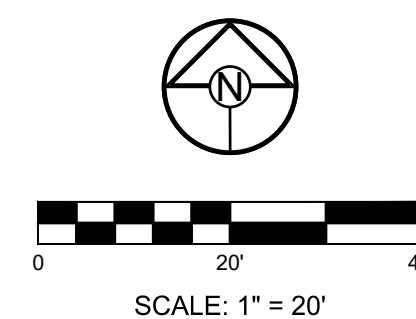
PARKING REQUIRED
OFFICE FLOOR AREA
TOTAL REQUIRED
PARKING PROPOSED
TOTAL PARKING PROVIDED

1,000 S.F. = 4 SPACES (4 PER 1,000 S.F. OF GFA)
4 SPACES
6 SPACES (1 ACCESSIBLE PARKING)

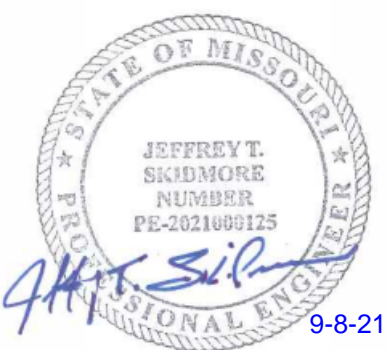
NORTH 2.5
MILLION
GALLON TANK
AGRICULTURAL

FLOOD NOTE:

According to the Flood Insurance Rate Map of FEMA, Panel 430 of 625, Map # 29095C0430G, Dated January 20, 2017 the site is in Zone X, an area of minimal flooding.



PREPARED BY:



SCHLAGEL & ASSOCIATES, P.A.

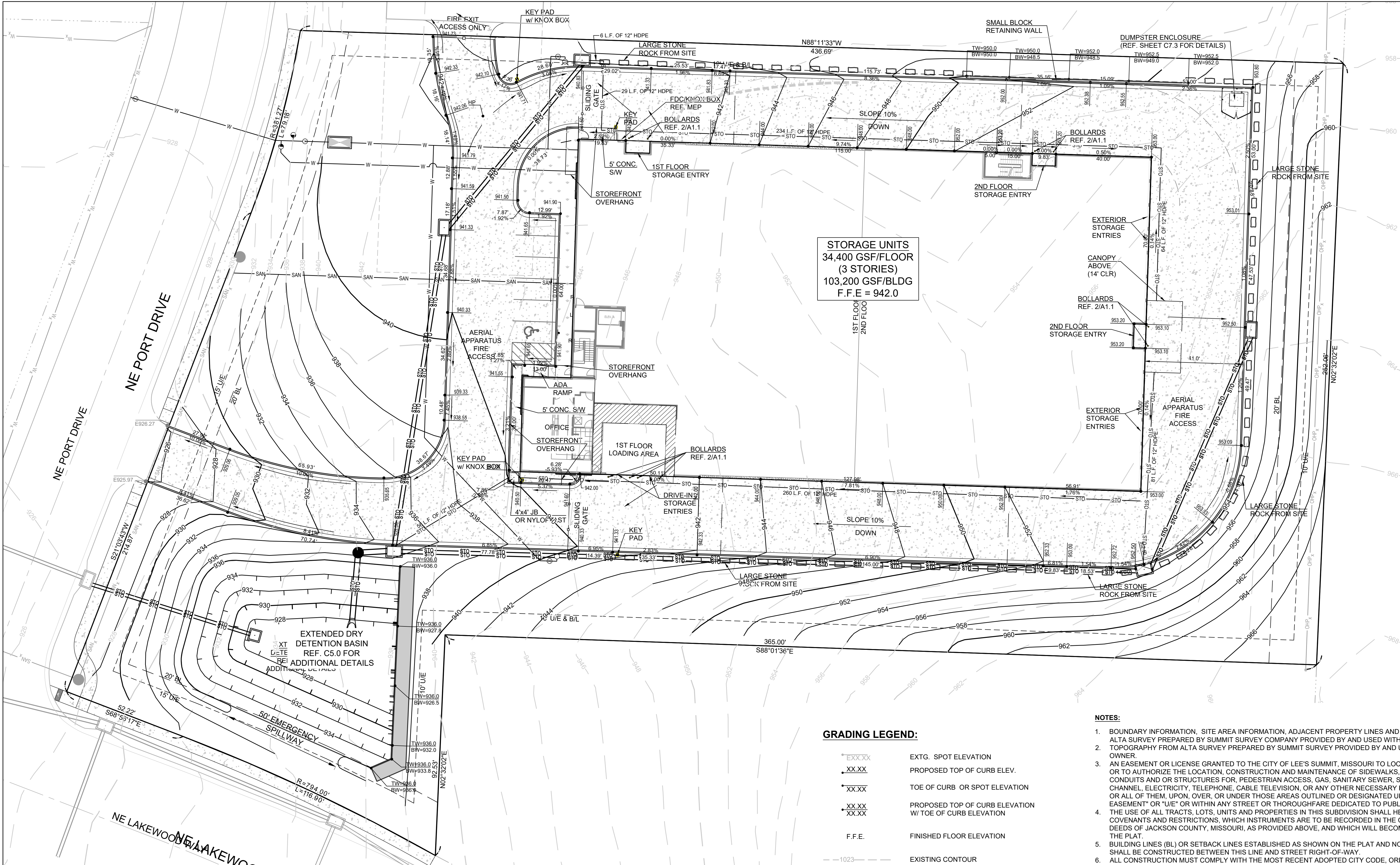
LAKEWOOD BUSINESS PARK - LOT 35
FINAL DEVELOPMENT PLANS
4101 NE PORT DRIVE LEE'S SUMMIT,
MISSOURI

| REVISION DATE | DESCRIPTION |
|---------------|---------------|
| 09/13/2021 | City Comments |
| 09/30/2021 | City Comments |
| 09/07/2021 | City Comments |
| 09/25/2021 | DATE PREPARED |
| 20-261 | PROJ. NUMBER |

| DRAWN BY: | CHECKED BY: | DATE PREPARED: | PROJ. NUMBER: |
|-----------|-------------|----------------|---------------|
| RPM | JTS | 09/25/2021 | 20-261 |

GRADING PLAN

SHEET
C2.0



RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
09/15/2021

GRADING LEGEND:

- XXXXX EXTG. SPOT ELEVATION
- XX.XX PROPOSED TOP OF CURB ELEV.
- XX.XX TOE OF CURB OR SPOT ELEVATION
- XX.XX PROPOSED TOP OF CURB ELEVATION W/ TOE OF CURB ELEVATION
- XX.XX F.F.E. FINISHED FLOOR ELEVATION
- 1023 EXISTING CONTOUR
- 1023 PROPOSED CONTOUR

* - ALL SIDEWALKS TO BE INSTALLED WITH A 2.0% MAXIMUM CROSS SLOPE.

PAVEMENT LEGEND:

- PROPOSED ASPHALT PAVEMENT
- EXISTING ASPHALT PAVEMENT
- PROPOSED 4" CONCRETE SIDEWALK
- PROPOSED CONCRETE PAVEMENT
- EXISTING CONCRETE SIDEWALK
- TYPE CG-1 CURB & GUTTER
- TYPE CG-1 CURB & GUTTER - DRY
- EXISTING CURB & GUTTER
- REMOVE EXISTING PAVEMENT
- REMOVE EXISTING CONC. CURB AND GUTTER

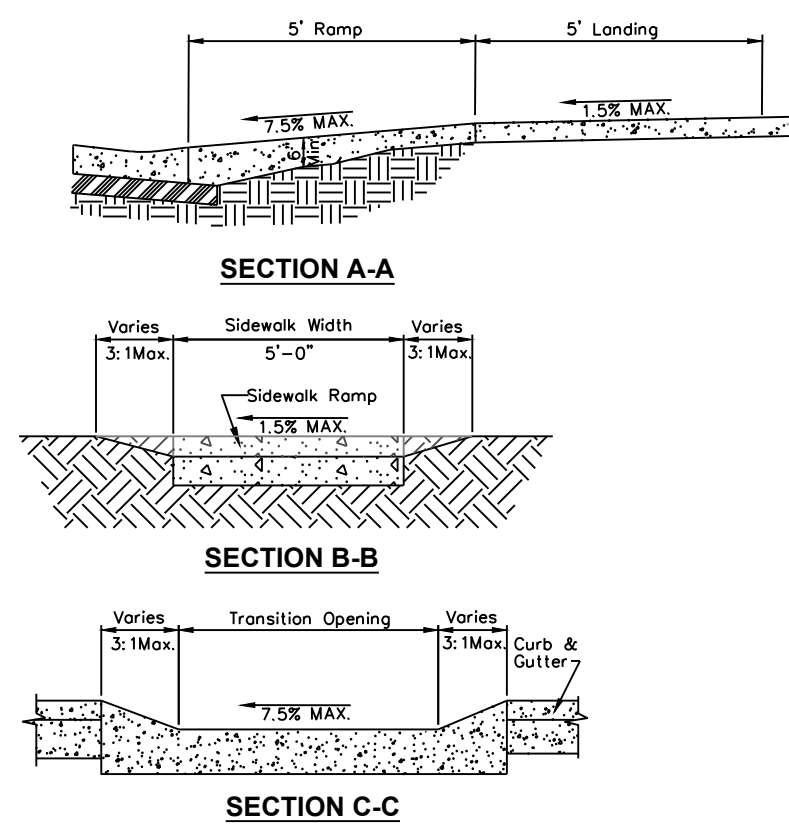
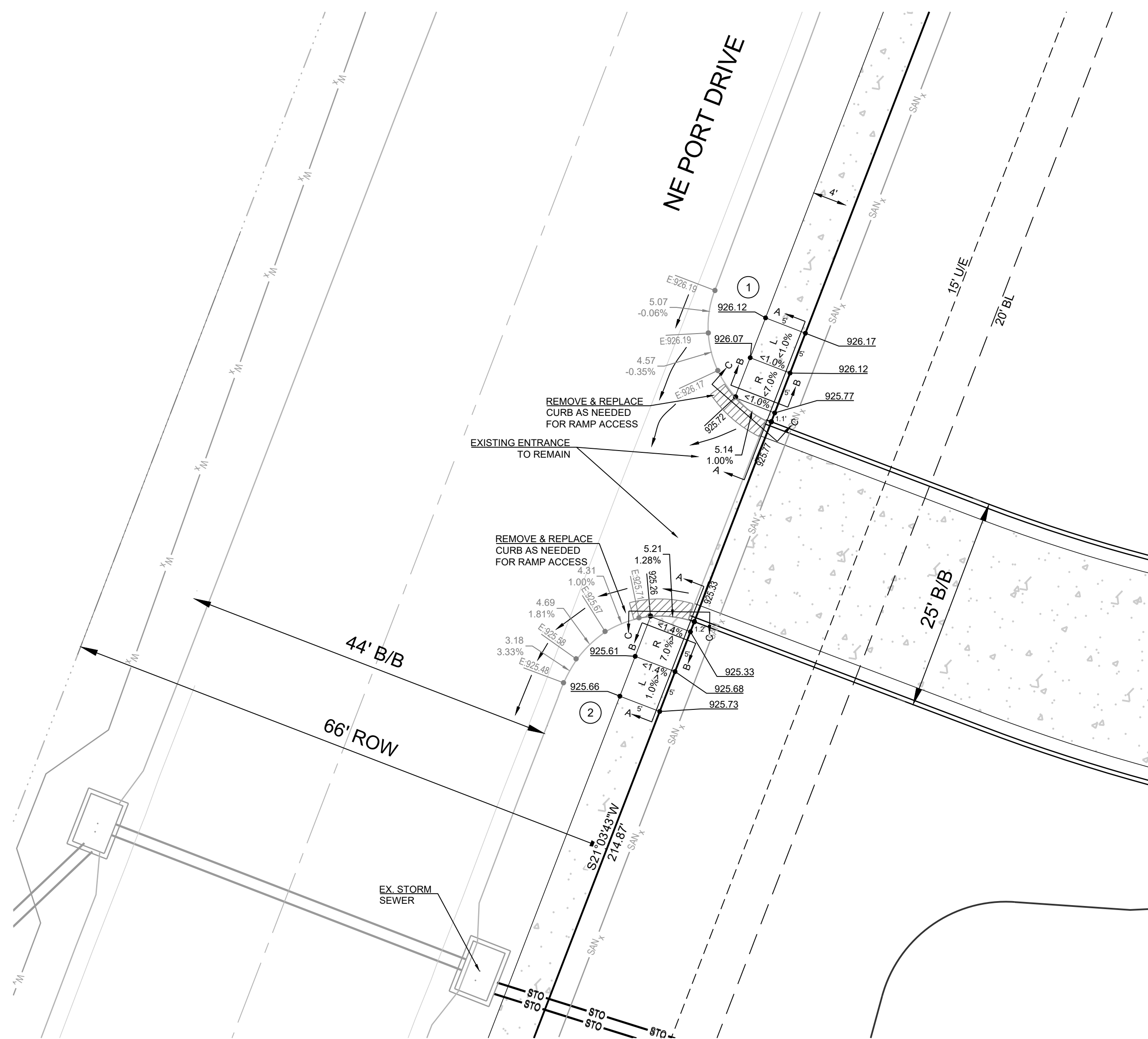
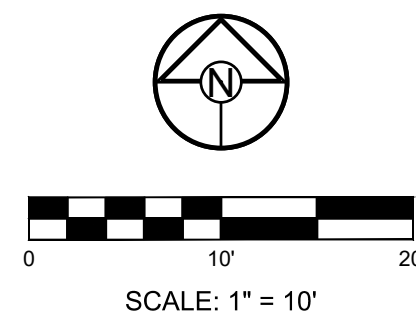
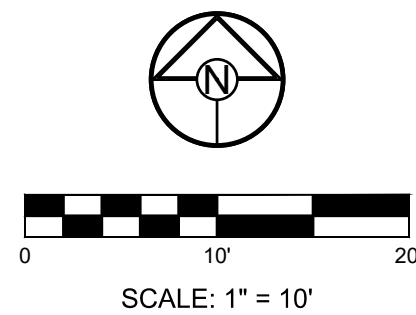
LEGEND

- BFG BOTTOM OF WALL FINISH GRADE ELEVATION
- BW BOTTOM OF WALL
- TW TOP OF WALL ELEVATION
- P PAVEMENT ELEVATION
- TC TOP OF CURB ELEVATION

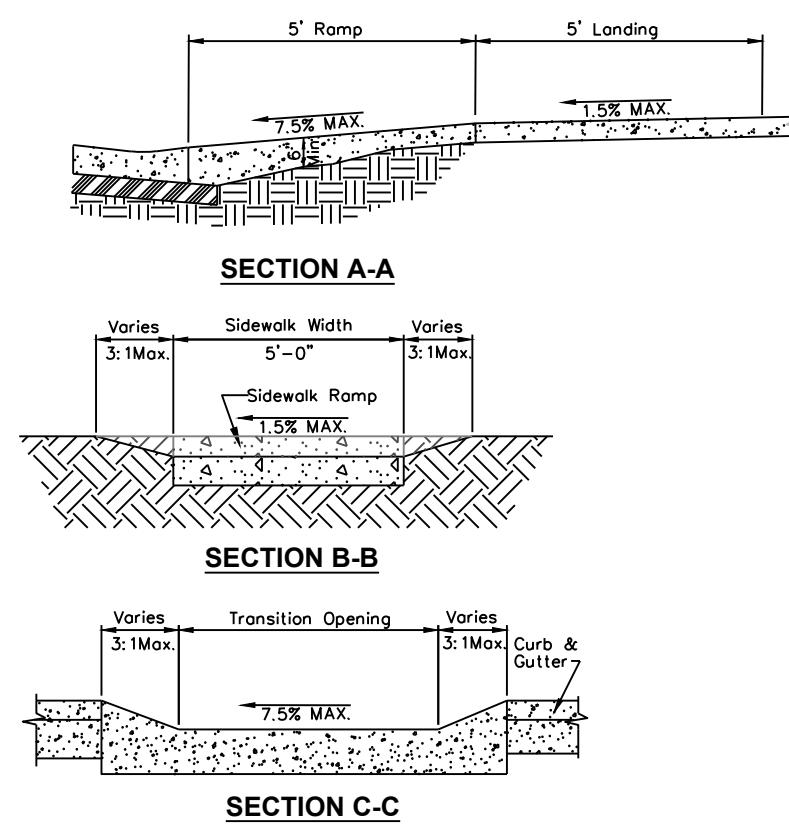
NOTES:

- BOUNDARY INFORMATION, SITE AREA INFORMATION, ADJACENT PROPERTY LINES AND UTILITY INFORMATION IS FROM ALTA SURVEY PREPARED BY SUMMIT SURVEY COMPANY PROVIDED BY AND USED WITH APPROVAL OF THE OWNER.
- TOPOGRAPHY FROM ALTA SURVEY PREPARED BY SUMMIT SURVEY PROVIDED BY AND USED WITH APPROVAL OF THE OWNER.
- AN EASEMENT OR LICENSE GRANTED TO THE CITY OF LEE'S SUMMIT, MISSOURI TO LOCATE, CONSTRUCT AND MAINTAIN, OR TO AUTHORIZE THE LOCATION, CONSTRUCTION AND MAINTENANCE OF SIDEWALKS, POLES, WIRES, ANCHORS, CONDUITS AND OR STRUCTURES FOR, PEDESTRIAN ACCESS, GAS, SANITARY SEWER, STORM SEWER, SURFACE DRAINAGE CHANNEL, ELECTRICITY, TELEPHONE, CABLE TELEVISION, OR ANY OTHER NECESSARY PUBLIC UTILITY OR SERVICES, ANY OR ALL OF THEM, UPON, OVER, OR UNDER THOSE AREAS OUTLINED OR DESIGNATED UPON THIS PLAT AS "UTILITY EASEMENT" OR "U/E" OR WITHIN ANY STREET OR THOROUGHFARE DEDICATED TO PUBLIC USE.
- THE USE OF ALL TRACTS, LOTS, UNITS AND PROPERTIES IN THIS SUBDIVISION SHALL HEREAFTER BE SUBJECT TO THE COVENANTS AND RESTRICTIONS, WHICH INSTRUMENTS ARE TO BE RECORDED IN THE OFFICE OF THE RECORDER OF DEEDS OF JACKSON COUNTY, MISSOURI, AS PROVIDED ABOVE, AND WHICH WILL BECOME A PART OF THE DEDICATION OF THE PLAT.
- BUILDING LINES (BL) OR SETBACK LINES ESTABLISHED AS SHOWN ON THE PLAT AND NO BUILDING OR PORTION THEREOF SHALL BE CONSTRUCTED BETWEEN THIS LINE AND STREET RIGHT-OF-WAY.
- ALL CONSTRUCTION MUST COMPLY WITH THE MOST RECENT ADOPTED CITY CODE, ORDINANCES, AND DESIGN STANDARDS.
- ALL PARKING LOTS SHALL HAVE CG-1 CURB AS REQUIRED BY CODE.
- ALL DRIVE AISLES, DRIVEWAYS, AND STREETS ARE DIMENSIONED FROM BACK OF CURB TO BACK OF CURB ON THIS PLAN.
- ALL ACCESSIBLE PARKING SHALL COMPLY WITH THE ADA REQUIREMENTS.
- BASED ON THE GEOLOGIC DATA ON MISSOURI DEPARTMENT OF NATURAL RESOURCES WEB SITE THERE ARE NO KNOWN WELLS ON THE SITE.
- ALL ISSUES PERTAINING TO LIFE SAFETY AND PROPERTY PROTECTION FROM THE HAZARDS OF FIRE, EXPLOSION OR DANGEROUS CONDITIONS IN NEW AND EXISTING BUILDINGS, STRUCTURES AND PREMISES, AND TO THE SAFETY TO FIRE FIGHTERS AND EMERGENCY RESPONDERS DURING EMERGENCY OPERATIONS, SHALL BE IN ACCORDANCE WITH THE 2012 INTERNATIONAL FIRE CODE AND LOCAL AMENDMENTS.
- IFC 903.3.7- FIRE DEPARTMENT CONNECTIONS. THE LOCATION OF FIRE DEPARTMENT CONNECTIONS SHALL BE APPROVED BY THE FIRE CODE OFFICIAL. CONNECTIONS SHALL BE A 4 INCH STORZ TYPE FITTING AND LOCATED WITHIN 100 FEET OF A FIRE HYDRANT, OR AS APPROVED BY THE CODE OFFICIAL.
- IFC 507.5.1- WHERE A PORTION OF THE FACILITY OR BUILDING HEREAFTER CONSTRUCTED OR MOVED INTO OR WITHIN THE JURISDICTION IS MORE THAN 300 FEET FROM A HYDRANT ON A FIRE APPARATUS ACCESS ROAD, AS MEASURED BY AN APPROVED ROUTE AROUND THE EXTERIOR OF THE FACILITY OR BUILDING, ON-SITE FIRE HYDRANTS AND MAINS SHALL BE PROVIDED WHERE REQUIRED BY THE FIRE CODE OFFICIAL.
- IFC 503.2.3- FIRE APPARATUS ACCESS ROADS SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS AND SHALL BE SURFACED SO AS TO PROVIDE ALL-WEATHER DRIVING CAPABILITIES.
- IFC 506.1- WHERE ACCESS TO OR WITHIN A STRUCTURE OR AN AREA IS RESTRICTED BECAUSE OF SECURED OPENINGS OR WHERE IMMEDIATE ACCESS IS NECESSARY FOR LIFE-SAVING OR FIRE-FIGHTING PURPOSES, THE FIRE CODE OFFICIAL IS AUTHORIZED TO REQUIRE A KEY BOX TO BE INSTALLED IN AN APPROVED LOCATION, THE KEY BOX SHALL BE OF AN APPROVED TYPE LISTED IN ACCORDANCE WITH UL 1037, AND SHALL CONTAIN KEYS TO GAIN NECESSARY ACCESS AS REQUIRED BY THE FIRE CODE OFFICIAL.506.1.1 LOCKS, AN APPROVED LOCK SHALL BE INSTALLED ON GATES OR SIMILAR BARRIERS WHEN REQUIRED BY THE FIRE CODE OFFICIAL. A KNOX PADLOCK WILL BE PROVIDED ON THE GATE AND A KNOX BOX ON THE BUILDING.
- PLEASE NOTE THAT PARKING LOT DESIGN MUST MEET THE UDO ARTICLE 12 REQUIREMENTS AND THE PRIVATE DRIVE MUST MEET PUBLIC STREET DESIGN STANDARDS PER THE DESIGN AND CONSTRUCTION MANUAL SECTION 5200.
- SANITARY SEWER MAIN AND EASEMENTS FOR LOT 35 WILL BE PROVIDED IN THE FUTURE WHEN THE LOT IS DEVELOPED.

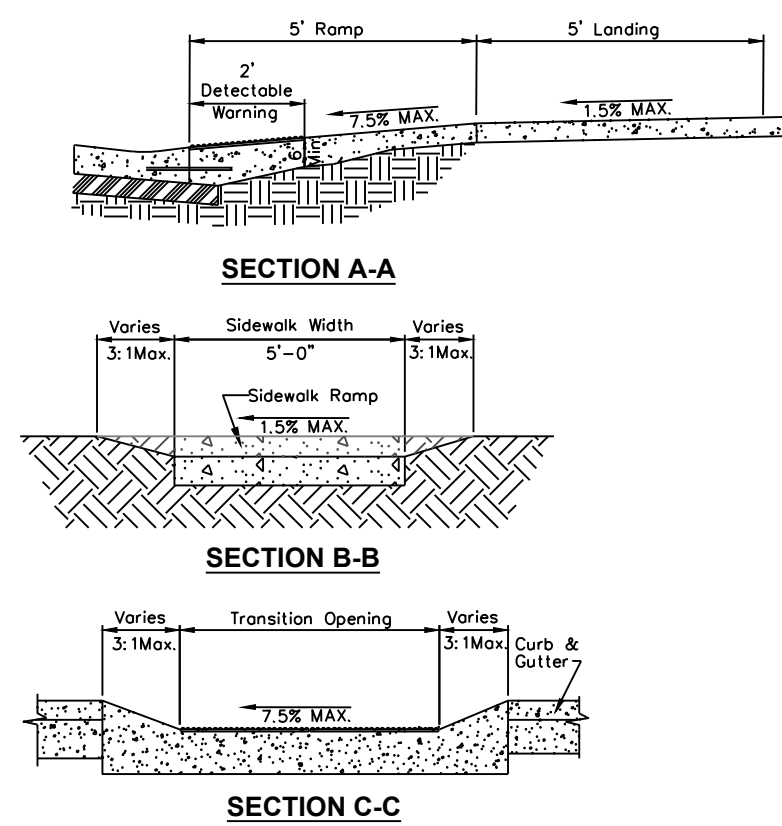




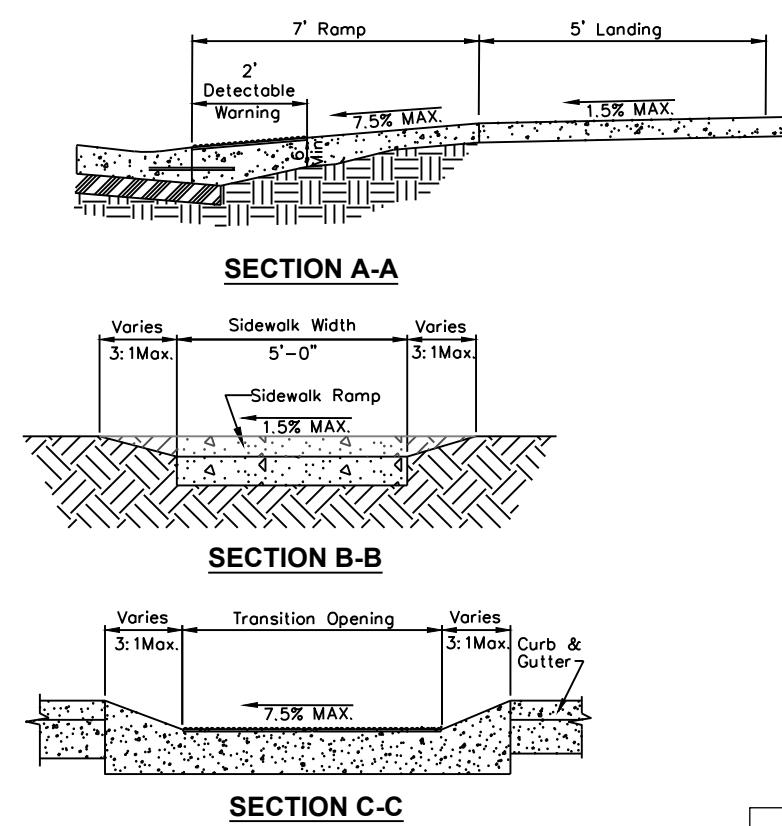
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RAMP 2
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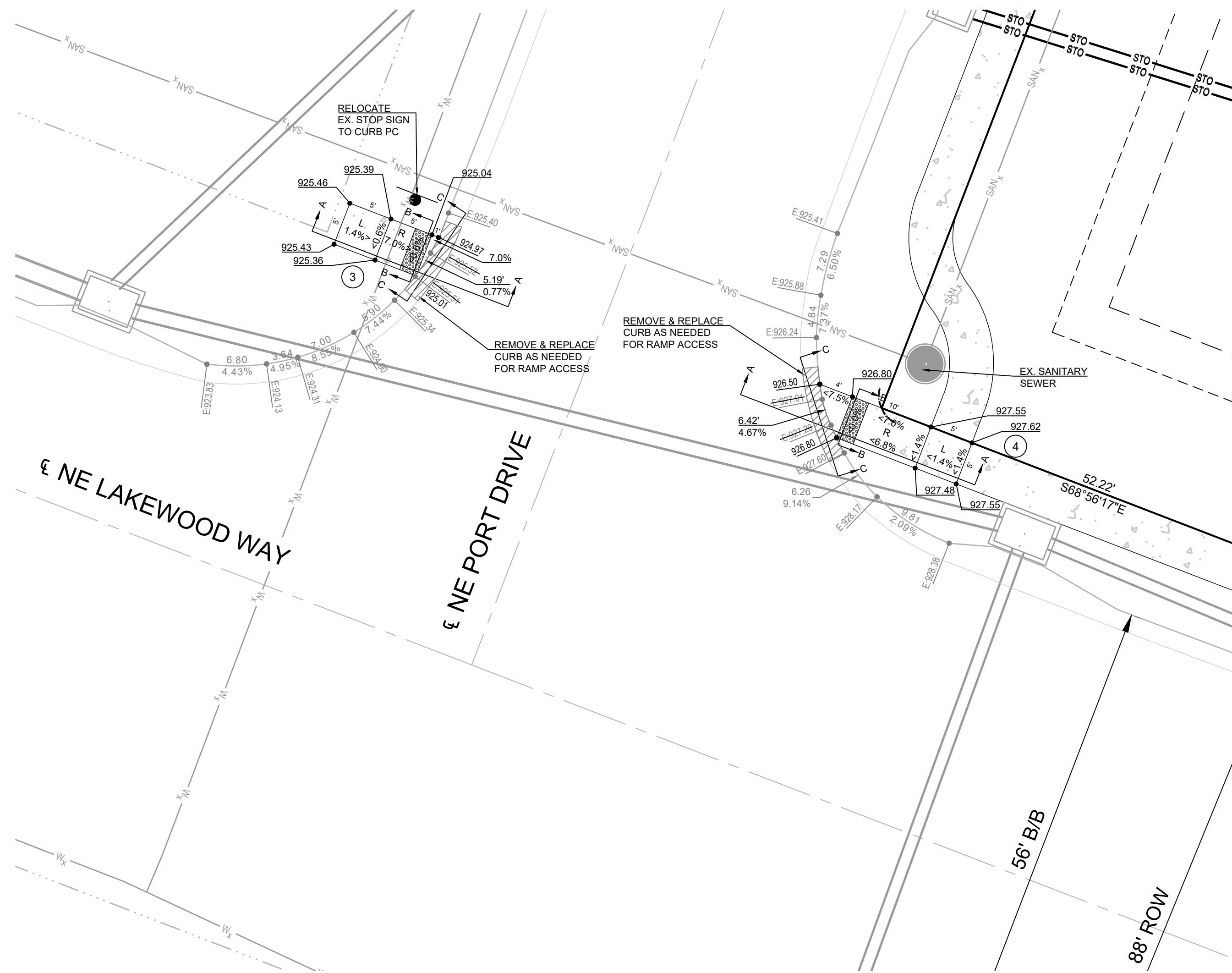


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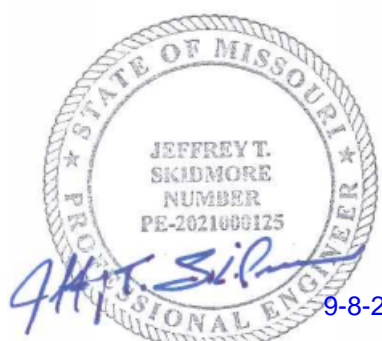


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RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
09/15/2021



PREPARED BY:



SCHLAGEL & ASSOCIATES, P.A.

LAKEWOOD BUSINESS PARK - LOT 35
FINAL DEVELOPMENT PLANS
4101 NE PORT DRIVE
LEE'S SUMMIT, MISSOURI

| REVISION DATE | DESCRIPTION |
|---------------|---------------|
| 09/13/2021 | City Comments |
| 09/30/2021 | City Comments |
| 09/07/2021 | City Comments |
| 09/25/2021 | DATE PREPARED |
| 200-261 | PROJ. NUMBER |

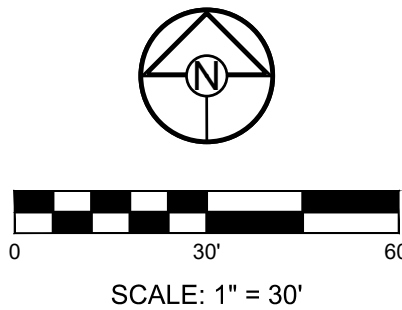
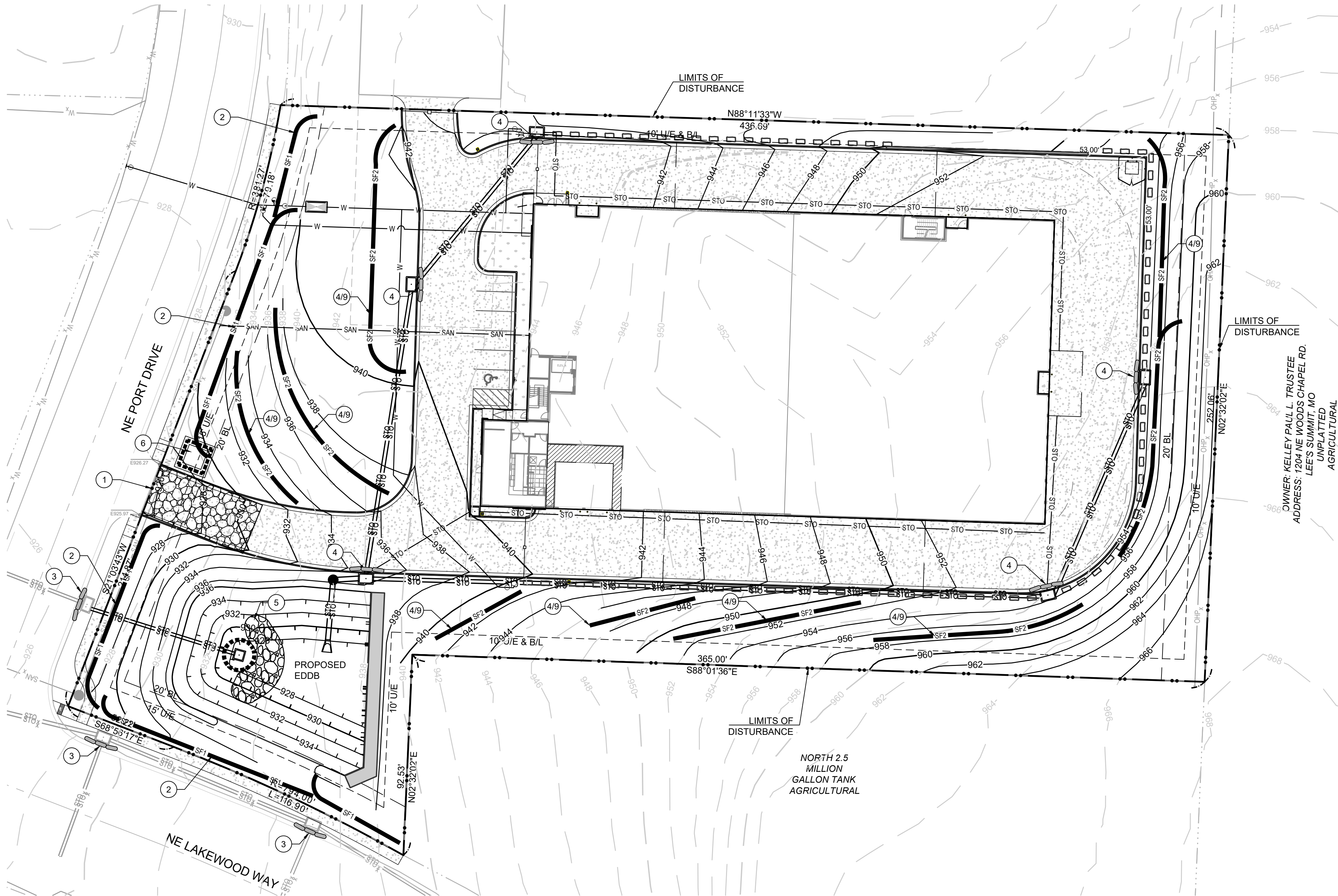
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| DRAWN BY: RPM | CHECKED BY: JTS | DATE PREPARED: 09/25/2021 | PROJ. NUMBER: 200-261 |
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| INTERSECTION DETAILS |
| SHEET C2.1 |

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1-800-344-7483 or 811
mo1call.com



| EROSION AND SEDIMENT CONTROL STAGING CHART | | | | |
|--|------------------|---|--------------------|--|
| PROJECT STAGE | BMP PLAN REF. NO | BMP DESCRIPTION | REMOVE AFTER STAGE | NOTES: |
| A - PRIOR TO LAND DISTURBANCE | 1 | CONSTRUCTION ENTRANCE & STAGING AREA | D | MAINTAIN, REPAIR, OR REPLACE AS NECESSARY |
| | 2 | SILT FENCE (PRIOR TO LAND DISTURBANCE) | E | PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED |
| | 3 | EXISTING INLET PROTECTION (GRAVEL CURB INLET SEDIMENT TRAP) | E | PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED |
| B - MASS GRADING | 4 | SILT FENCE (DURING CONSTRUCTION) | E | PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED |
| | 5 | TEMP. SEDIMENT TRAP (REF. DETAIL ON SHEET C3.1) | E | TO BE INSTALLED PRIOR TO DISTURBING ENTIRE SITE. |
| C - UTILITY CONSTRUCTION | 6 | CONCRETE WASHOUT AREA | E | MAINTAIN, REPAIR, OR REPLACE AS NECESSARY |
| | 7 | INLET PROTECTION (SILT FENCE) | D/E | PLACE SILT FENCE AROUND ALL STORM SEWER STRUCTURES / YARD AREA STORM STRUCTURES PRIOR TO TOPS BEING PLACED SILT FENCE REMOVED & REPLACE WITH #7 BELOW WITH PLACEMENT OF TOPS AND/OR STABILIZATION OF DRAINAGE AREAS. |
| D - AFTER PAVING OPERATIONS | 8 | INLET PROTECTION (GRAVEL FILTER BAGS) | E | BOARDS SHALL BE PLACED IN FRONT OF INLET OPENING FROM THE TIME SILT FENCE IS REMOVED UNTIL SUCH TIME THAT THE CURB / THROAT IS POURED. PLACE GRAVEL FILTER BAGS AT THE OPENING OF ALL CURB INLETS IMMEDIATELY AFTER THE INLET THROATS ARE POURED |
| | 9 | SILT FENCE (AFTER CURB CONSTRUCTION) | E | PLACE WHERE INDICATED, REPAIR OR REPLACE AS NECESSARY AND REMOVE ONLY WHEN GRADED AREAS HAVE SUFFICIENT GROUND COVER ESTABLISHED |
| | 10 | SEEDING AND MULCHING | E | ALL DISTURBED AREAS AFTER 14 DAYS OF CONSTRUCTION INACTIVITY |
| E - UNTIL CLOSURE OF LAND DISTURBANCE PERMIT | 11 | | | ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED ANY TIME CURRENT MEASURES ARE FOUND TO BE INEFFECTIVE. |

DISTURBED AREA = 2.93 A.C.

SITE SPECIFIC NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING UTILITY LOCATIONS PRIOR TO EXCAVATION.
- THERE ARE NO WETLANDS, NATURAL OR ARTIFICIAL WATER STORAGE DETENTION AREAS IN THE PROJECT AREA.
- NO PART OF THE PROJECT LIES WITHIN THE 100 YEAR FLOOD PLAIN PER FEMA FLOOD INSURANCE RATE MAP NUMBER 29095C0414G DATED JANUARY 20, 2017.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED ACCORDING TO THE BMP STAGING CHART.
- ADDITIONAL EROSION CONTROL MAY BE REQUIRED BY THE CITY ENGINEER AT ANY TIME EXISTING MEASURES ARE FOUND TO BE INEFFECTIVE OR PROBLEMATIC AREAS ARE NOTED IN THE FIELD.
- STABILIZATION OF DISTURBED AREAS MUST, AT A MINIMUM, BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING, OR OTHER SOIL DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. THE DISTURBED AREAS SHALL BE PROTECTED FROM EROSION BY STABILIZING THE AREA WITH MULCH OR OTHER SIMILARLY EFFECTIVE SOIL STABILIZING BMPs. INITIAL STABILIZATION ACTIVITIES MUST BE COMPLETED WITHIN 14 DAYS AFTER SOIL DISTURBING ACTIVITIES CEASE.
- ALL PERIMETER SILT FENCE, EARTH DIKES, SEDIMENT BASINS, AND ROCK CONSTRUCTION ENTRANCES WILL BE INSTALLED BEFORE GRADING OPERATIONS BEGIN.
- SILT FENCE AND EARTH DIKES THAT ARE PLACED BEFORE GRADING BEGINS WILL BE MAINTAINED BY THE GRADING CONTRACTOR.
- AREAS WITHIN PUBLIC RIGHT-OF-WAY SHALL BE SODDED IMMEDIATELY AFTER CONSTRUCTION IS COMPLETE.

| LEGEND | |
|--------|---|
| | TEMPORARY STORAGE AREA FOR EXCESS MATERIAL |
| | TEMP. CONSTRUCTION ENTRANCE AND STAGING AREA |
| | CONCRETE WASHOUT AREA |
| | SILT FOAM DIKE - STAKED & INSTALL PER MFR'S RECOMMENDATIONS |
| | ROCK DITCH CHECK |
| | GRAVEL CURB INLET SEDIMENT TRAP |
| | BMP PLAN REF. NO. |
| | SILT FENCE (PRIOR TO LAND DISTURBANCE) |
| | SILT FENCE (DURING CONSTRUCTION) |
| | CONSTRUCTION FENCE |
| | LIMITS OF DISTURBANCE |
| | EXISTING CONTOURS |
| | PROPOSED CONTOURS |
| | STRAW BALE DITCH CHECK |
| | GRAVEL FILTER FOR STORM SEWER STRUCTURES ONLY |
| | TEMP. SEDIMENT TRAP BERM |

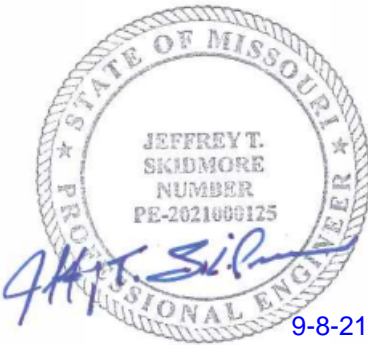
PROJECT BENCHMARK:

MONUMENT FOUND
CHISELED "SQUARE" ON STORM CURB INLET #30
AT NORTHWEST INTERSECTION OF SW. TOWER
PARK DRIVE AND SW. LONGVIEW BOULEVARD.

NORTHING: 998893.4148
EASTING: 2803318.5413
ELEV. 1004.09



PREPARED BY:



SCHLAGEL & ASSOCIATES, P.A.

LAKEWOOD BUSINESS PARK - LOT 35
FINAL DEVELOPMENT PLANS
4101 NE PORT DRIVE LEE'S
SUMMIT, MISSOURI

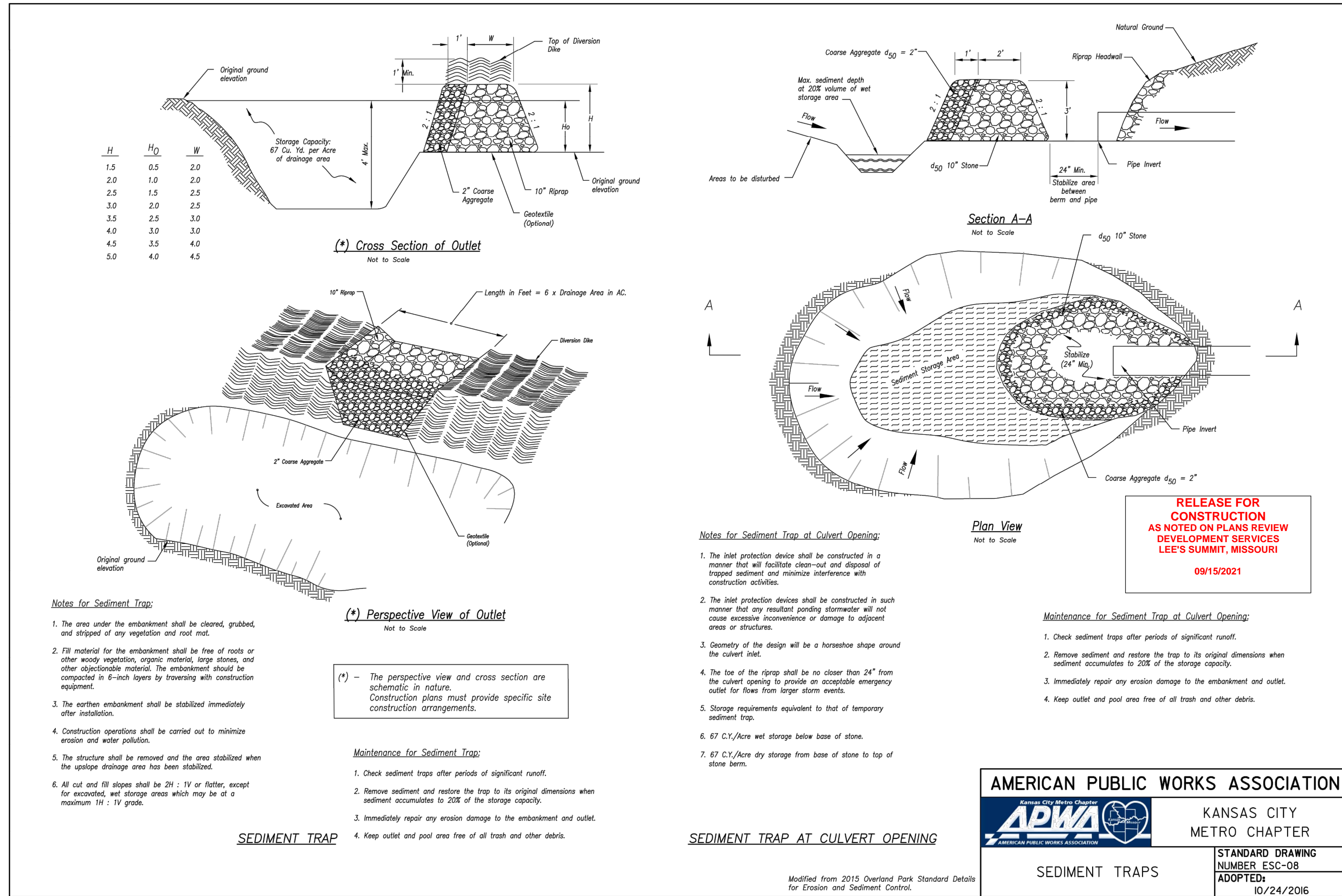
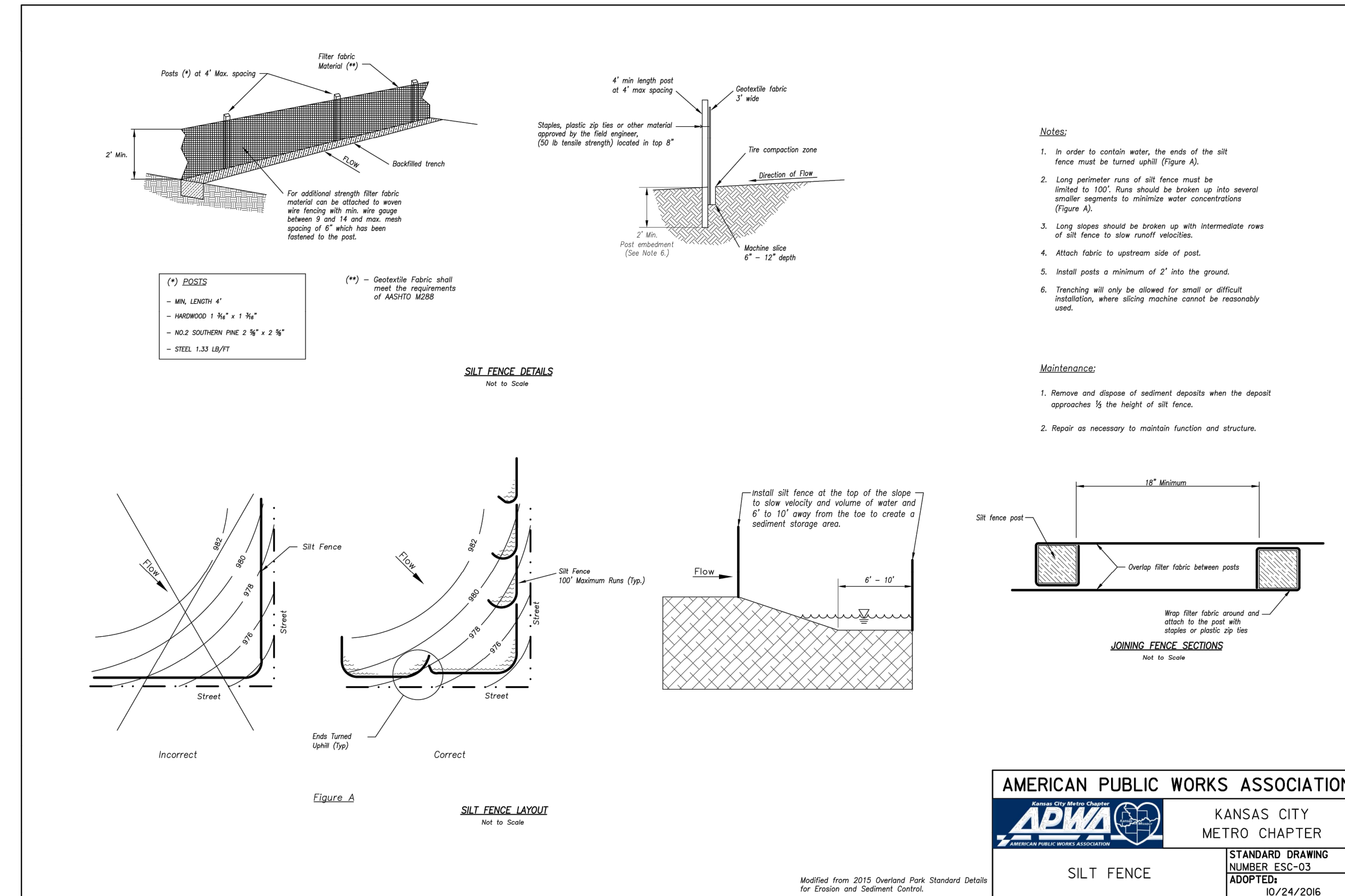
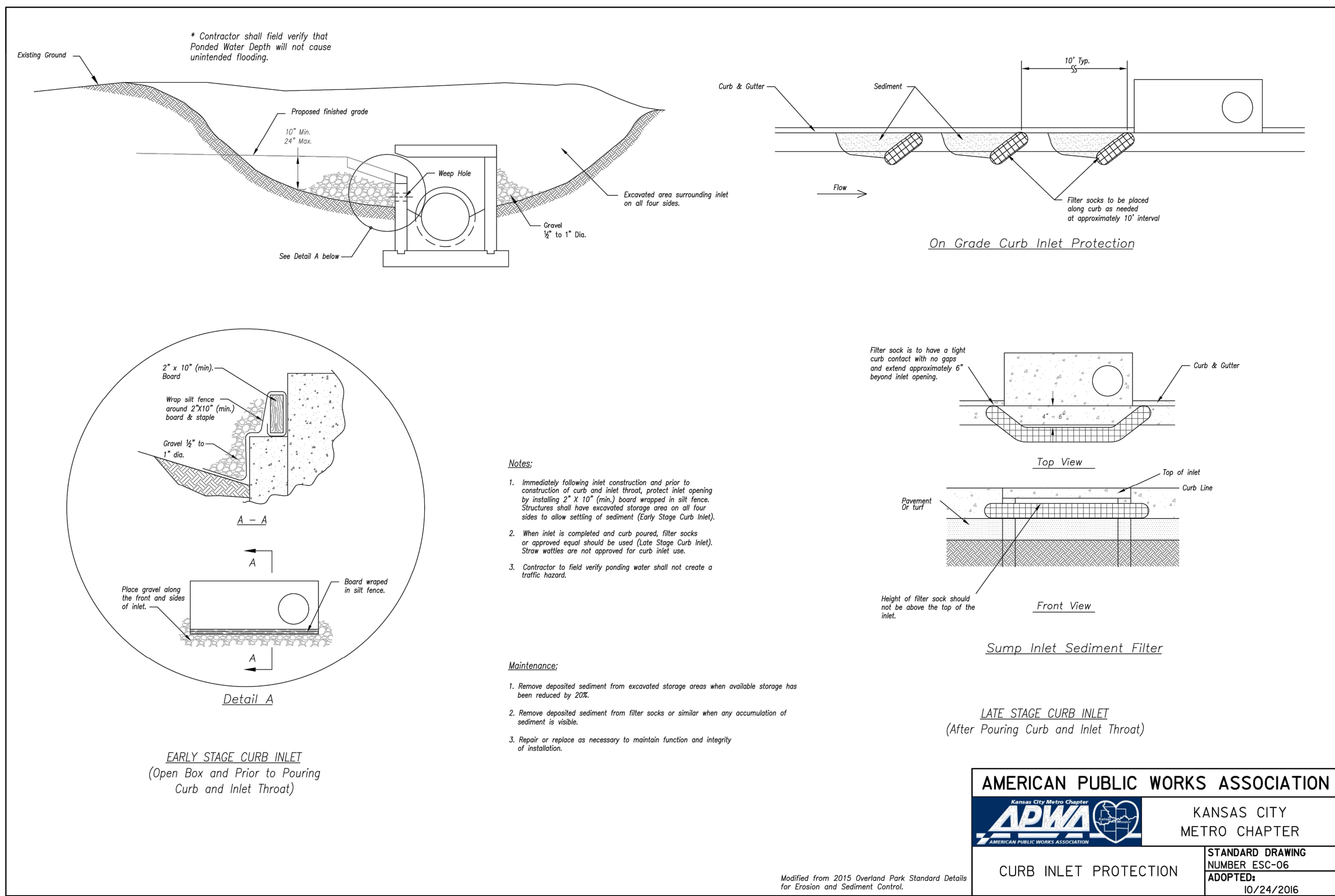
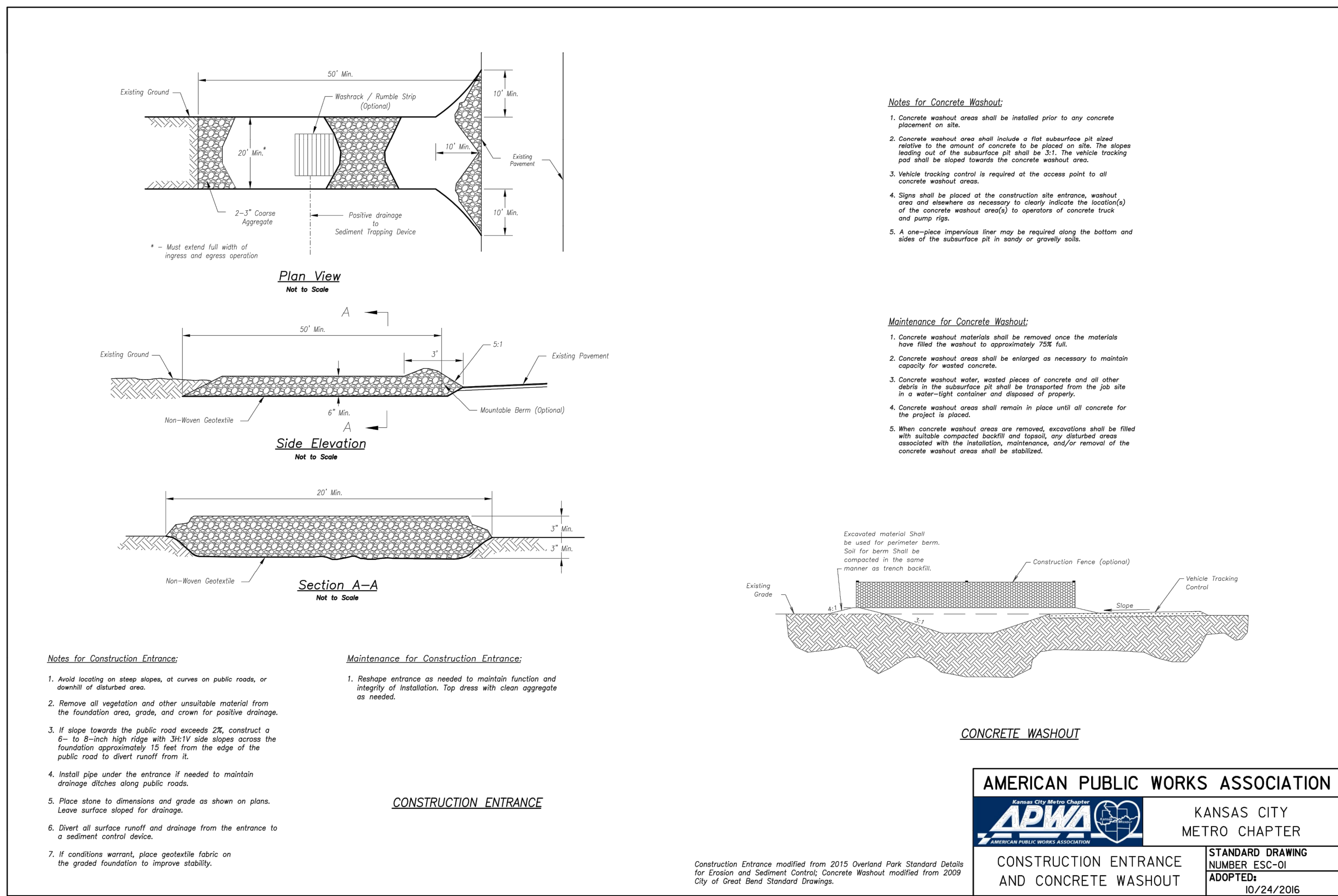
| REVISION DATE | DESCRIPTION |
|---------------|---------------|
| 09/13/2021 | City Comments |
| 09/30/2021 | City Comments |
| 09/07/2021 | City Comments |
| 09/25/2021 | DATE PREPARED |
| 20-261 | PROJ. NUMBER |

EROSION
CONTROL PLAN

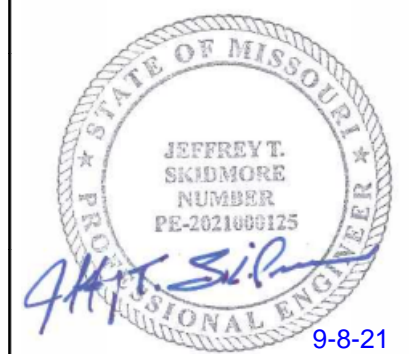
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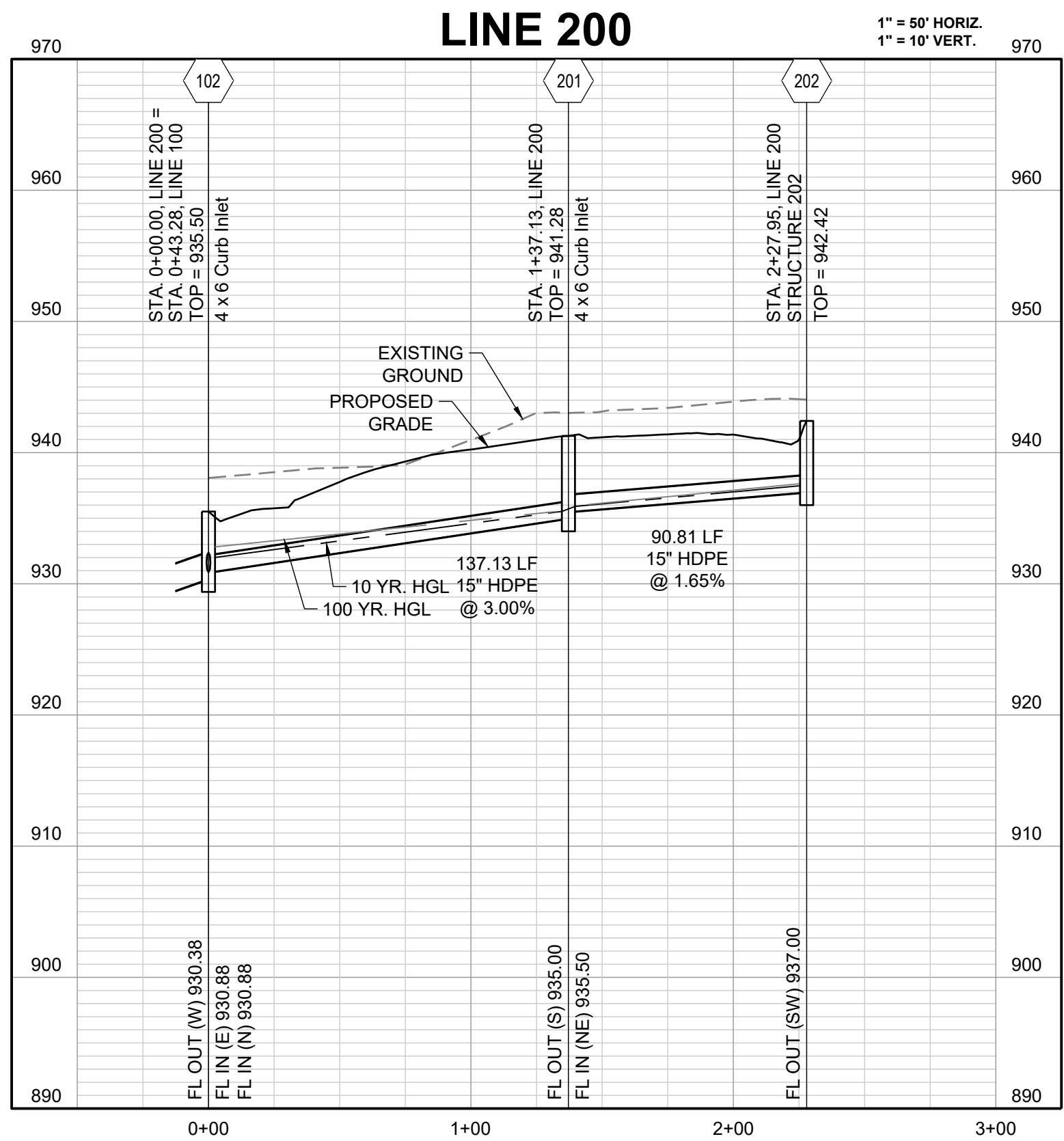
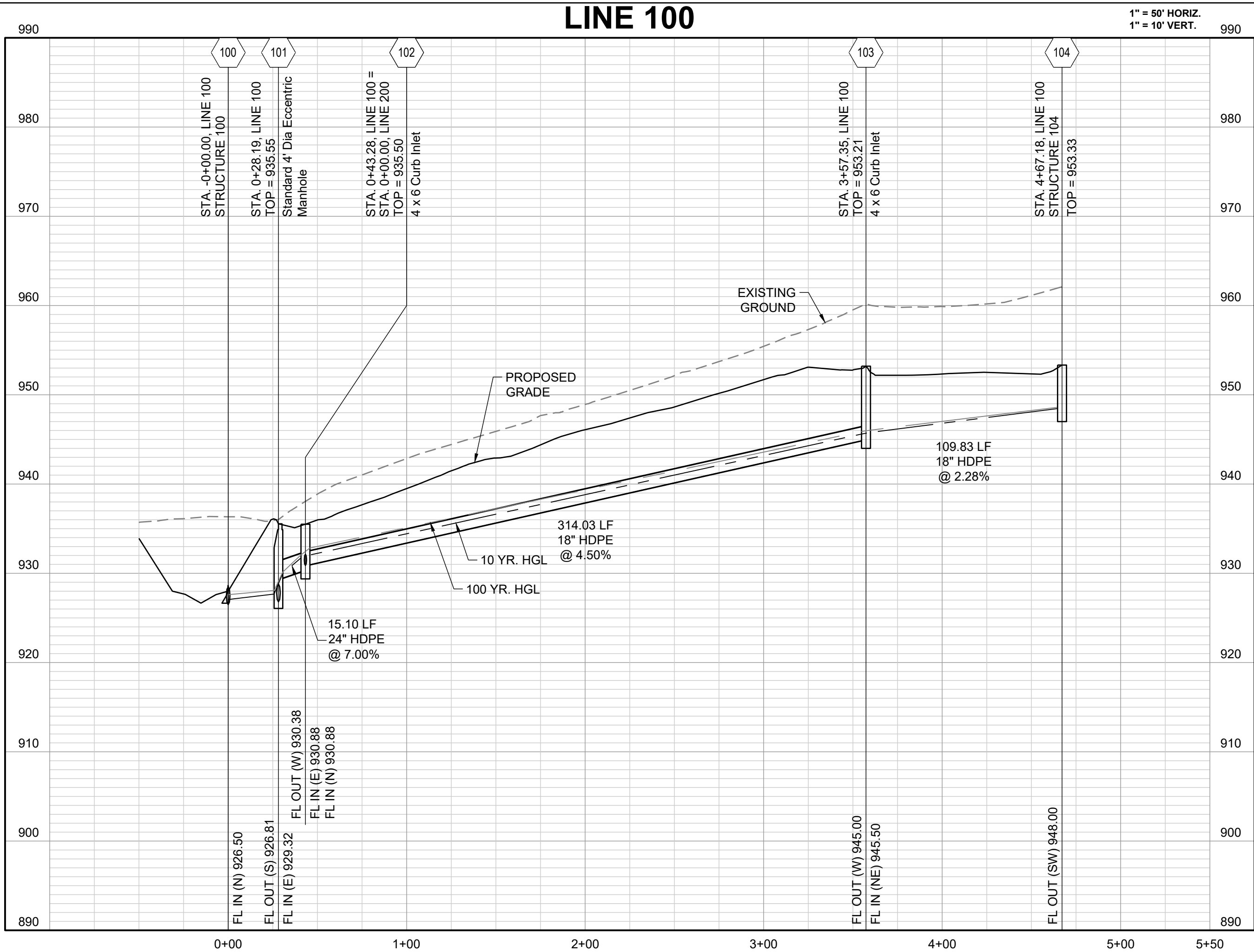
LAKEWOOD BUSINESS PARK - LOT 35
FINAL DEVELOPMENT PLANS
4101 NE PORT DRIVE LEE'S SUMMIT, MISSOURI

| REVISION | DATE | DESCRIPTION |
|----------|------------|---------------|
| 1 | 08/13/2021 | City Comments |
| 2 | 08/30/2021 | City Comments |
| 3 | 09/07/2021 | City Comments |
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EROSION
CONTOL DETAILS

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| Storm Sewer Construction Notes | |
|--------------------------------|--|
| Structure | Notes |
| 100 | STA -0+00.00, LINE 100 INSTALL 24 INCH RCP F.E.S. 264°58'18" N 1026415.6767 E 2830785.4381 |
| 101 | STA 0+28.19, LINE 100 INSTALL STANDARD 4' DIA ECCENTRIC MANHOLE 84°58'17" N 1026443.7542 E 2830787.9087 |
| 102 | STA 0+43.28, LINE 100 INSTALL 4 X 6 CURB INLET 88°11'33" N 1026444.3471 E 2830802.9959 |
| 103 | STA 3+57.35, LINE 100 INSTALL 4 X 6 CURB INLET 102°35'10" N 1026436.7618 E 2831116.9328 |
| 104 | STA 4+67.18, LINE 100 INSTALL 4 X 6 CURB INLET 178°11'33" N 1026537.0354 E 2831161.7330 |
| 201 | STA 1+37.13, LINE 200 INSTALL 4 X 6 CURB INLET 358°11'08" N 1026579.8758 E 2830823.9201 |

RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
09/15/2021

SHEET

C4.0

LAKEWOOD BUSINESS PARK - LOT 35

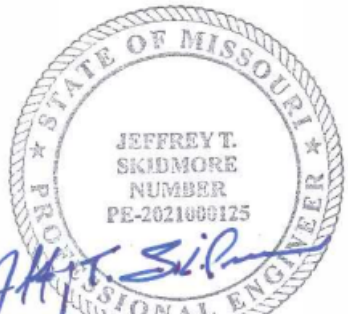
FINAL DEVELOPMENT PLANS

4101 NE PORT DRIVE

LEE'S SUMMIT, MISSOURI

SCHLAGEL & ASSOCIATES, P.A.

9-8-21



PREPARED BY:

SCHLAGEL

ENGINEERS

PLANNERS

SURVEYORS

LANDSCAPE ARCHITECTS

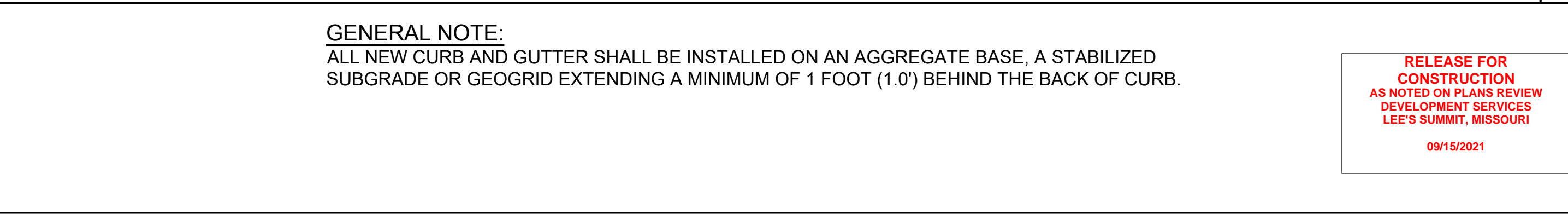
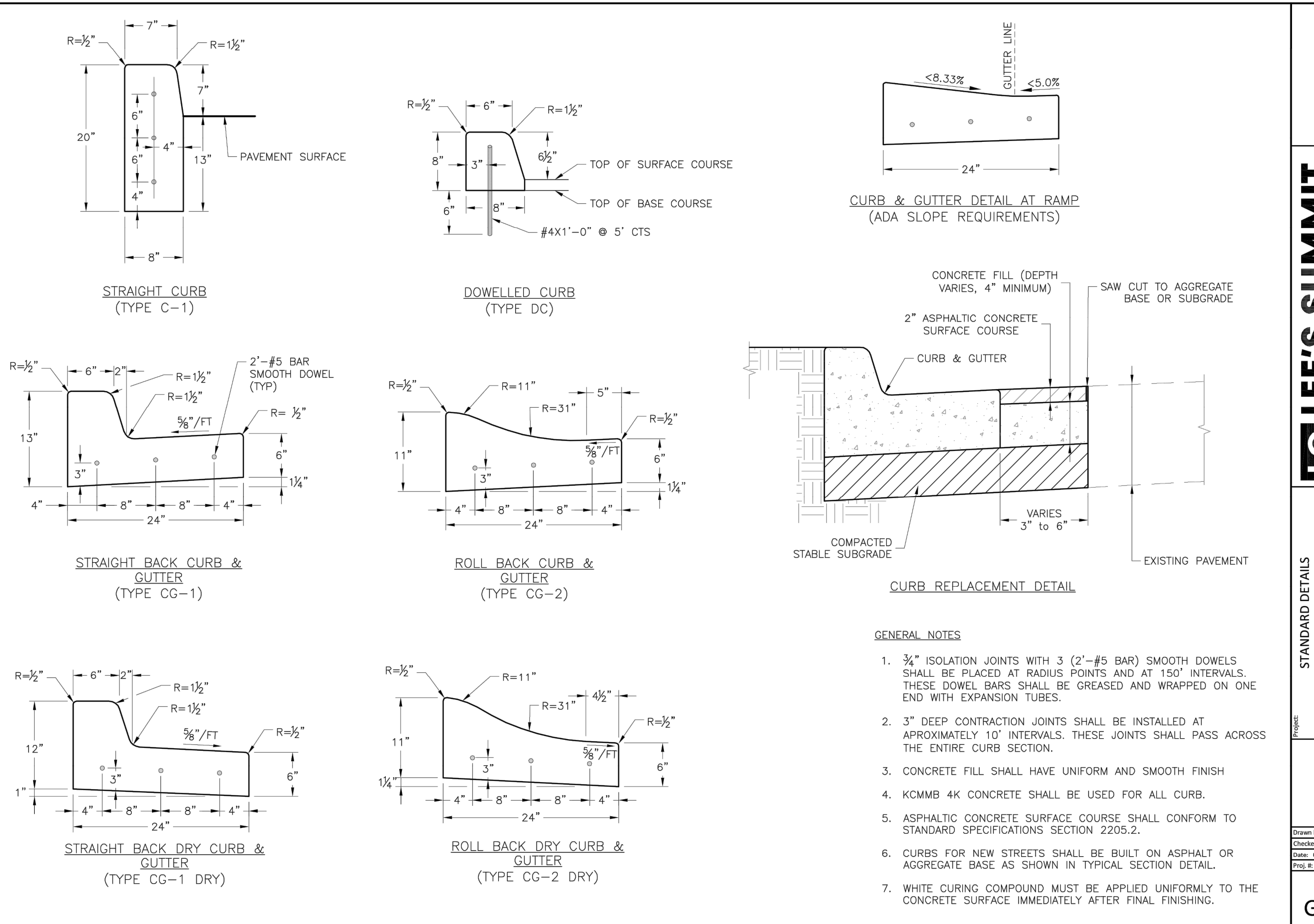
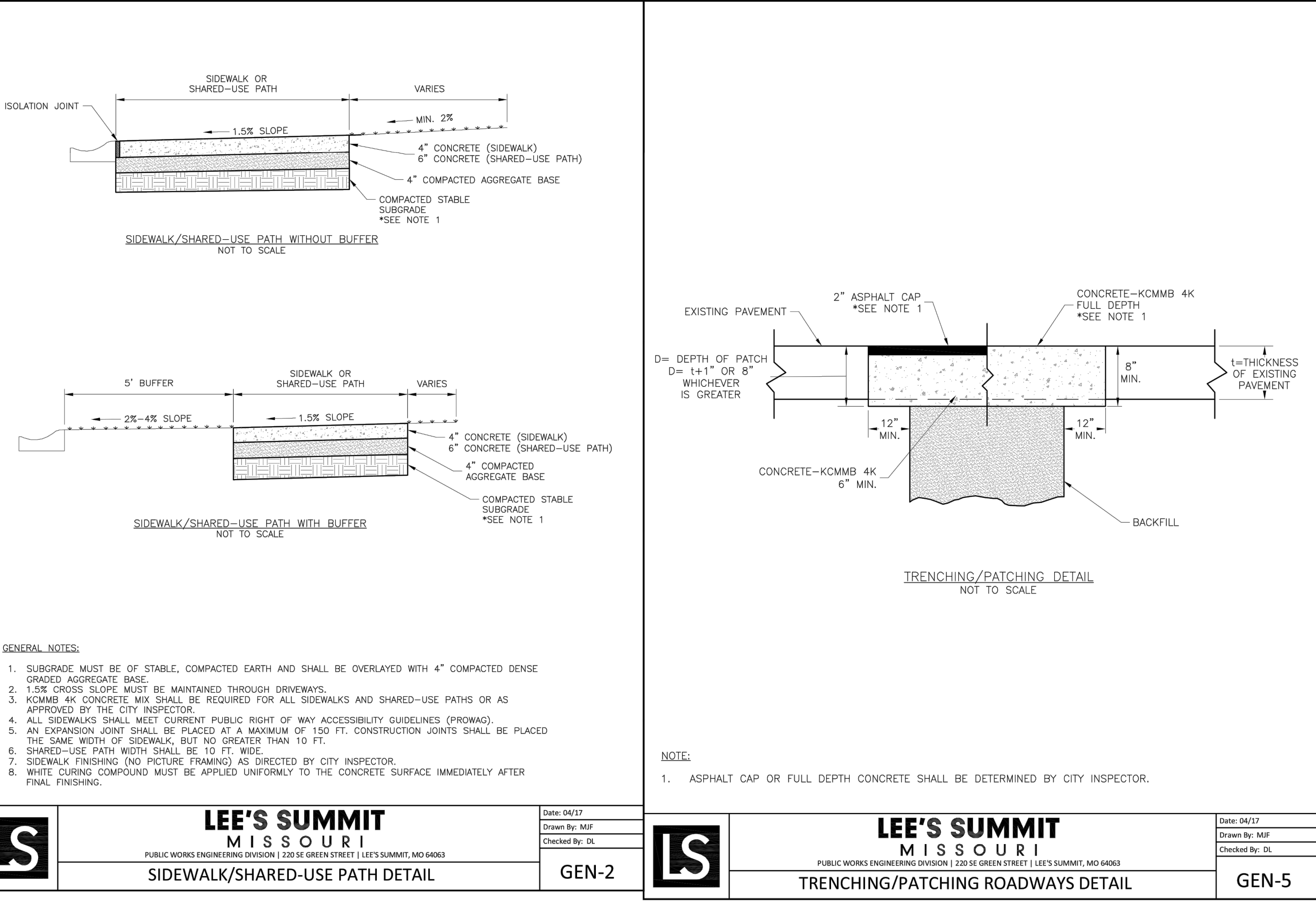
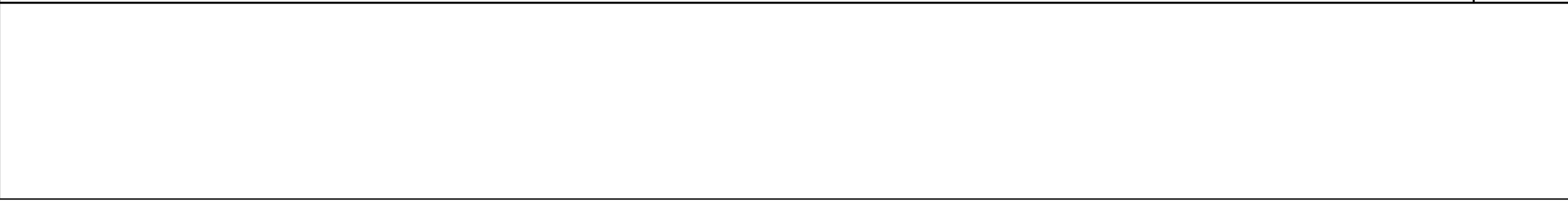
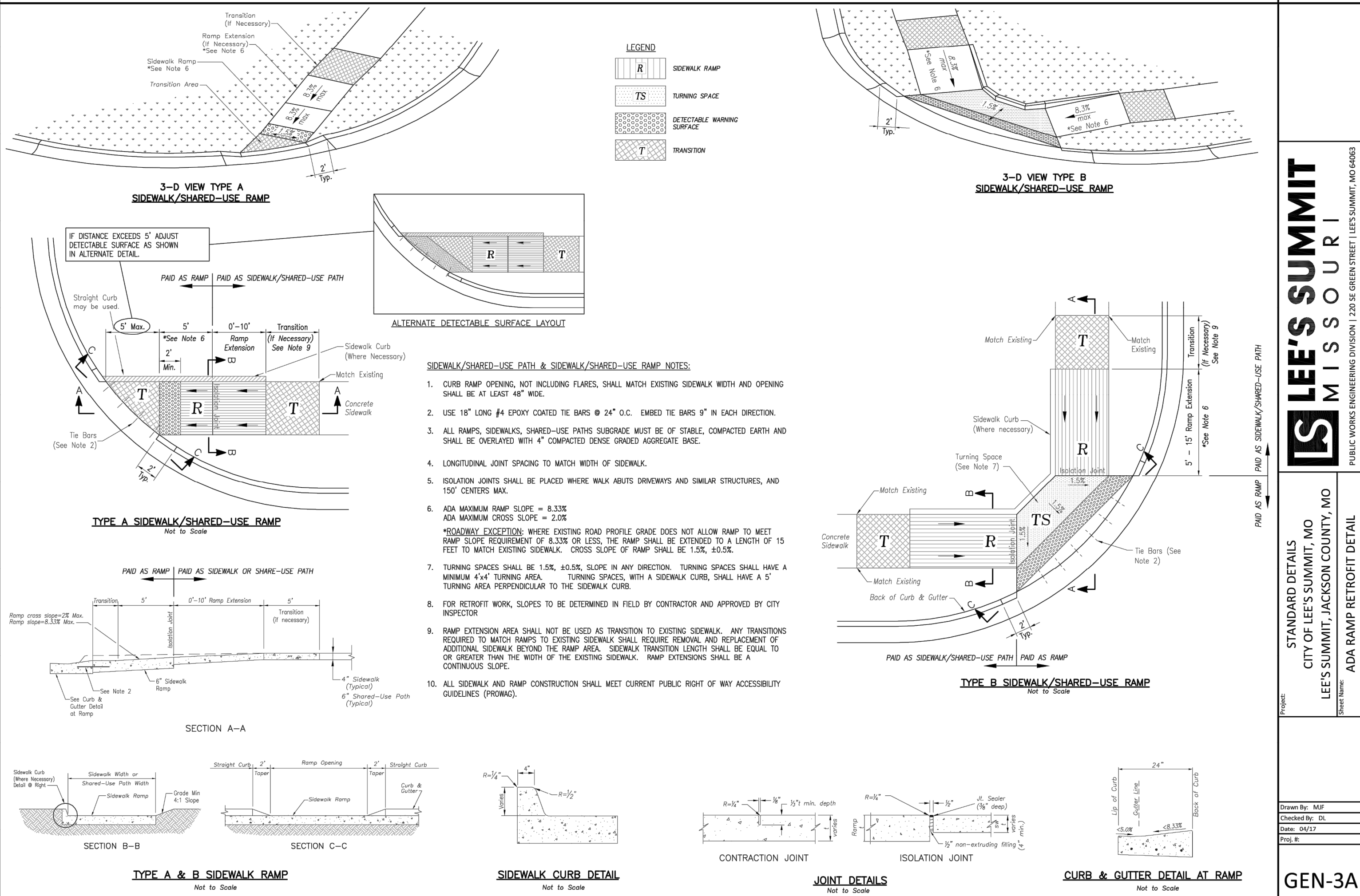
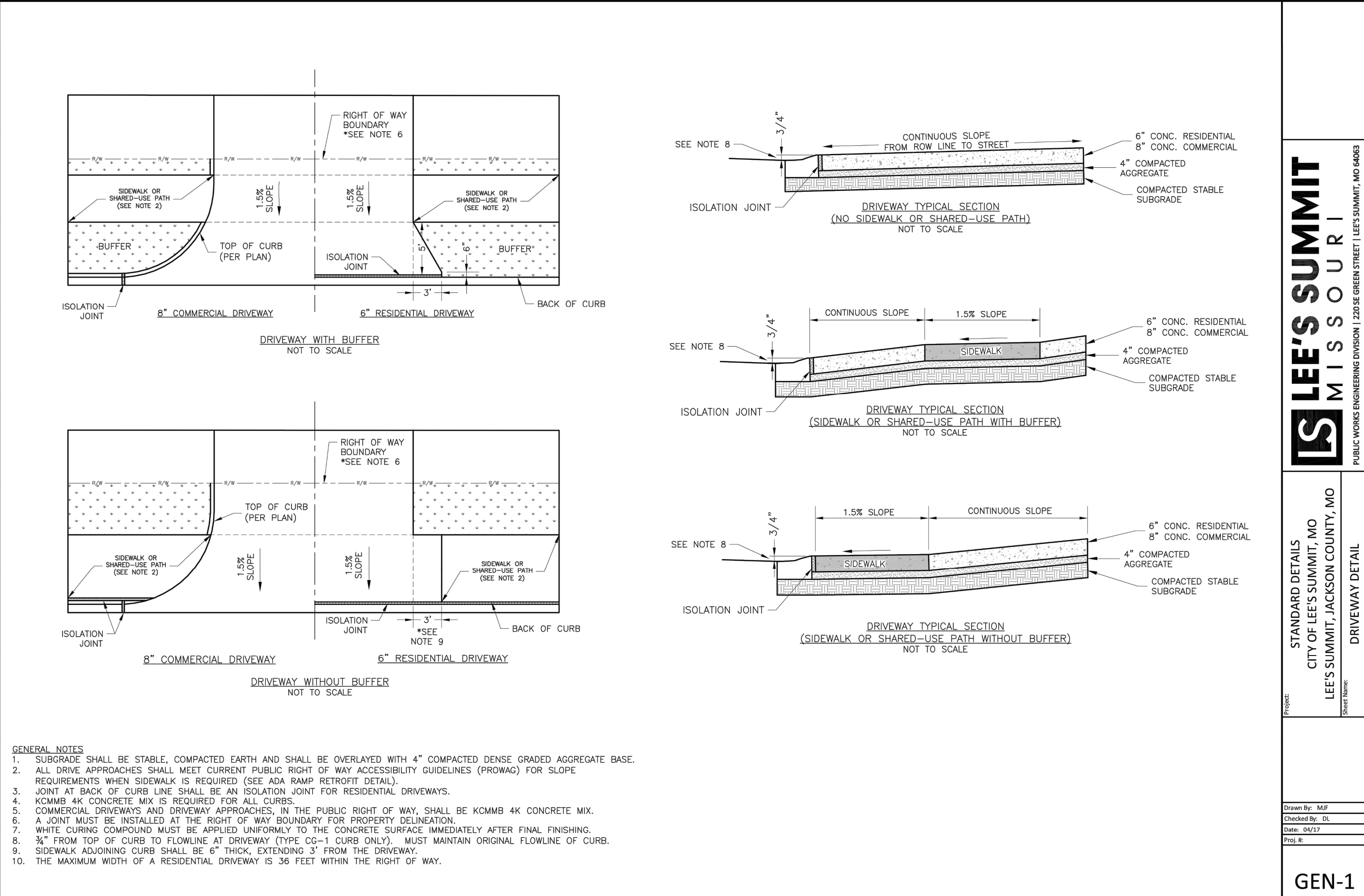
14920 West 107th Street • Lenexa, Kansas 66215
(913) 492-5158 • Fax: (913) 492-8400
WWW.SCHLAGELASSOCIATES.COM
Missouri State Certificates of Authority
#E2002003600F #LAC2001005237 #LS200200859F

PREPARED BY:

Schlagel & Associates, P.A.

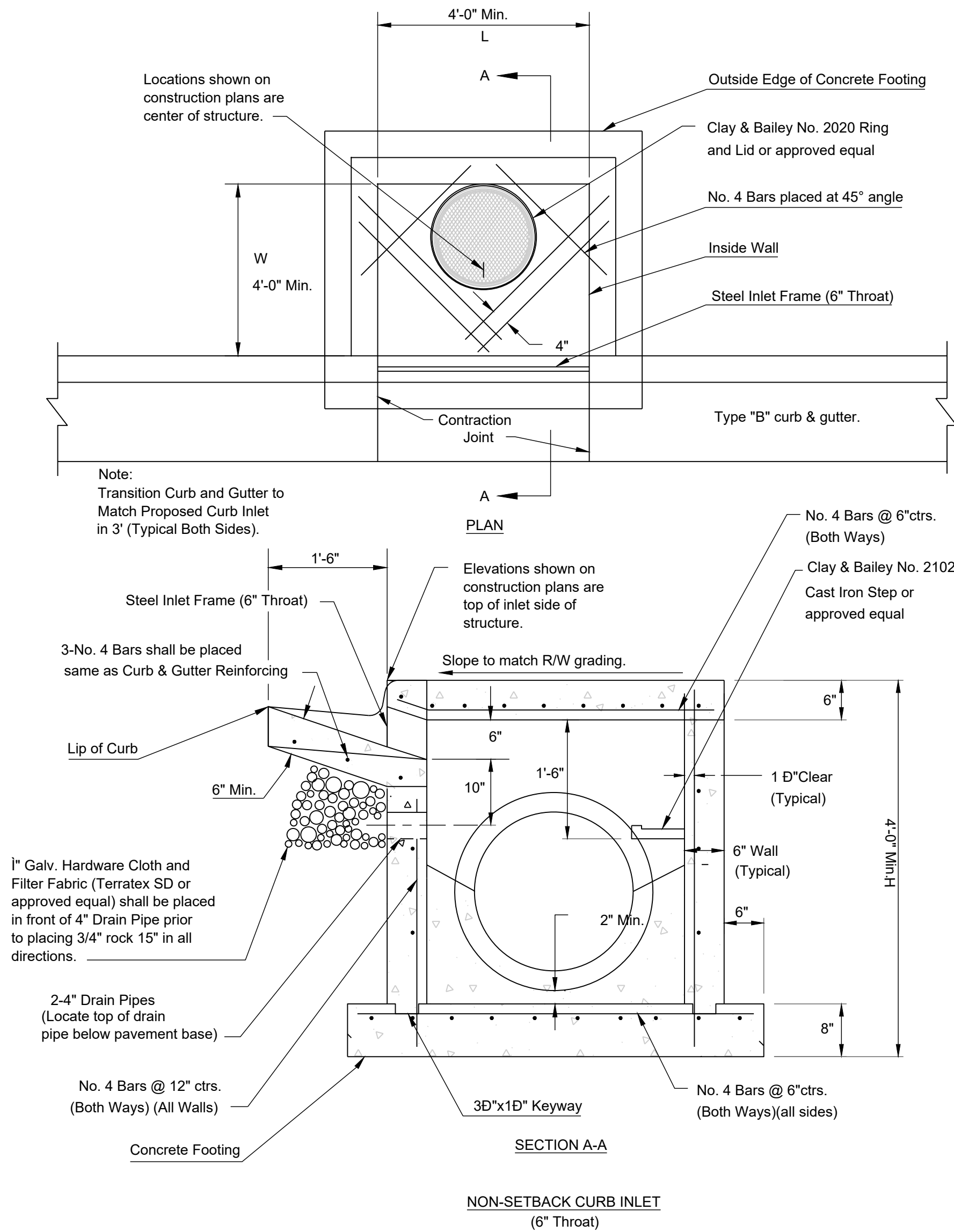
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| Project Name: | | LAKEWOOD BUSINESS PARK | | | | | | | | | | Curb Type: | | A | | | | | | | | | | | | | | | | | | | |
| Project #: | | 18-222 | | | | | | | | | | City: | | LEE'S SUMMIT | | | | | | | | | | | | | | | | | | | |
| Time: | | 6/22/2021 11:14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Design Storm: | | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| "K" Value: | | 1.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Runoff Calculations | | | | | | | | | | | | Pipe Properties | | | | | | | | | | | | | | | | | | | | | |
| Inlet # | Area (acres) | "C" Value | Cumul. Area (acres) | Cumul. CxA | Tc | Intensity | Runoff To Inlet | Cumul. Runoff | Pipe Cap. | Pipe Vel. | Up Piped Inlet 1 | Up Piped Inlet 2 | Up Area (acres) | Up CxA | Up Inlet | Down Inlet | Pipe Type | "n" Value | Pipe Size | Length | Slope % | Drop In Inlet | FL Up | FL Down | Inlet Top | HGL Elev. | | | | | | | |
| LINE 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 101 | 0.00 | 0.70 | 2.83 | 1.98 | 5.6 | 7.18 | 0.00 | 14.24 | 25.70 | 8.18 | | | 0.00 | 0.00 | 101 | 100 | PEP | 0.012 | 24 | 28.19 | 1.10 | 3.01 | 926.31 | 926.00 | 935.12 | 927.97 | | | | | | | |
| 102 | 1.95 | 0.70 | 2.83 | 1.98 | 5.6 | 7.18 | 9.82 | 14.24 | 64.84 | 20.64 | 201 | | 0.32 | 0.22 | 102 | 101 | PEP | 0.012 | 24 | 15.10 | 7.00 | 0.50 | 930.38 | 929.32 | 935.50 | 932.04 | | | | | | | |
| 103 | 0.28 | 0.70 | 0.56 | 0.39 | 5.2 | 7.30 | 1.44 | 2.87 | 24.13 | 13.65 | | | 0.00 | 0.00 | 103 | 102 | PEP | 0.012 | 18 | 314.03 | 4.50 | 0.50 | 945.00 | 930.88 | 953.21 | 945.76 | | | | | | | |
| 104 | 0.28 | 0.70 | 0.28 | 0.20 | 5.0 | 7.35 | 1.44 | 1.44 | 17.18 | 9.72 | | | 0.00 | 0.00 | 104 | 103 | PEP | 0.012 | 18 | 109.83 | 2.28 | 0.50 | 948.00 | 945.50 | 953.33 | 948.53 | | | | | | | |
| LINE 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 201 | 0.09 | 0.70 | 0.32 | 0.22 | 5.2 | 7.29 | 0.45 | 1.62 | 12.12 | 9.88 | | | 0.00 | 0.00 | 201 | 102 | PEP | 0.012 | 15 | 137.13 | 3.00 | 0.50 | 934.99 | 930.88 | 941.28 | 935.59 | | | | | | | |
| 202 | 0.23 | 0.70 | 0.23 | 0.16 | 5.0 | 7.35 | 1.19 | 1.19 | 8.99 | 7.33 | | | 0.00 | 0.00 | 202 | 201 | PEP | 0.012 | 15 | 90.81 | 1.65 | 0.50 | 936.99 | 935.49 | 942.42 | 937.49 | | | | | | | |
| Design Storm: 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| "K" Value: 1.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Runoff Calculations | | | | | | | | | | | | Pipe Properties | | | | | | | | | | | | | | | | | | | | | |
| Inlet # | Area (acres) | "C" Value | Cumul. Area (acres) | Cumul. CxA | Tc | Intensity | Runoff To Inlet | Cumul. Runoff | Pipe Cap. | Pipe Vel. | Up Piped Inlet 1 | Up Piped Inlet 2 | Up Area (acres) | Up CxA | Up Inlet | Down Inlet | Pipe Type | "n" Value | Pipe Size | Length | Slope % | Drop In Inlet | FL Up | FL Down | Inlet Top | HGL Elev. | | | | | | | |
| LINE 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 101 | 0.00 | 0.70 | 2.83 | 1.98 | 5.6 | 10.09 | 0.00 | 25.01 | 25.70 | 8.18 | | | 0.00 | 0.00 | 101 | 100 | PEP | 0.012 | 24 | 28.19 | 1.10 | 3.01 | 926.31 | 926.00 | 935.12 | 928.64 | | | | | | | |
| 102 | 1.95 | 0.70 | 2.83 | 1.98 | 5.6 | 10.09 | 17.24 | 25.02 | 64.84 | 20.64 | 201 | | 0.32 | 0.22 | 102 | 101 | PEP | 0.012 | 24 | 15.10 | 7.00 | 0.50 | 930.38 | 929.32 | 935.50 | 932.70 | | | | | | | |
| 103 | 0.28 | 0.70 | 0.56 | 0.39 | 5.2 | 10.24 | 2.53 | 5.04 | 24.13 | 13.65 | | | 0.00 | 0.00 | 103 | 102 | PEP | 0.012 | 18 | 314.03 | 4.50 | 0.50 | 945.00 | 930.88 | 953.21 | 946.04 | | | | | | | |
| 104 | 0.28 | 0.70 | 0.28 | 0.20 | 5.0 | 10.32 | 2.53 | 2.53 | 17.18 | 9.72 | | | 0.00 | 0.00 | 104 | 103 | PEP | 0.012 | 18 | 109.83 | 2.28 | 0.50 | 948.00 | 945.50 | 953.33 | 948.72 | | | | | | | |
| LINE 200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 201 | 0.09 | 0.70 | 0.32 | 0.22 | 5.2 | 10.24 | 0.79 | 2.85 | 12.12 | 9.88 | | | 0.00 | 0.00 | 201 | 102 | PEP | 0.012 | 15 | 137.13 | 3.00 | 0.50 | 934.99 | 930.88 | 941.28 | 935.81 | | | | | | | |
| 202 | 0.23 | 0.70 | 0.23 | 0.16 | 5.0 | 10.32 | 2.08 | 2.08 | 8.99 | 7.33 | | | 0.00 | 0.00 | 202 | 201 | PEP | 0.012 | 15 | 90.81 | 1.65 | 0.50 | 936.99 | 935.49 | 942.42 | 937.68 | | | | | | | |

1-800-344-7483 or 811
mo1call.com



| REVISION | DATE | DESCRIPTION |
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| 10 | | |

DRAWN BY: RPM
CHECKED BY: JTS
DATE: 09/17/21
PROJ. NO.: 20-261



NOTES:

General

- All storm sewer structures shall be pre-cast or poured in place. If pre-cast structures are used for publicly financed, maintained or administered construction, the tops shall be poured in place and the wall steel shall be left exposed to a height 2" below the finish top elevation, or as directed by the city Engineer.
- Pre-cast shop drawings are to be approved by the city Engineer Prior to casting.
- Do not scale these drawings for dimensions or clearances. Any questions regarding dimensions shall be brought to the attention of the city Engineer prior to construction.
- The first dimension listed in the construction notes is the "L" dimension. The second dimension is the "W" dimension. The concrete thickness and reinforcement shown is for boxes with ("L"+"H") and ("W"+"H") less than or equal to 20. For boxes with either of these calculations greater than 20, a special design is required.

Concrete

- Concrete used in this work shall be KCMMB4K, as approved by the Kansas City Metropolitan Materials Board, unless noted otherwise.
- Concrete construction shall meet the applicable requirements of Standard Specifications for State Road and Bridge Construction, Kansas Department of Transportation, latest edition, unless noted otherwise.
- Inlet floors shall be shaped with non-reinforced concrete inverts to provide smooth flow.
- Bevel all exposed edges with 3/4" triangular molding.

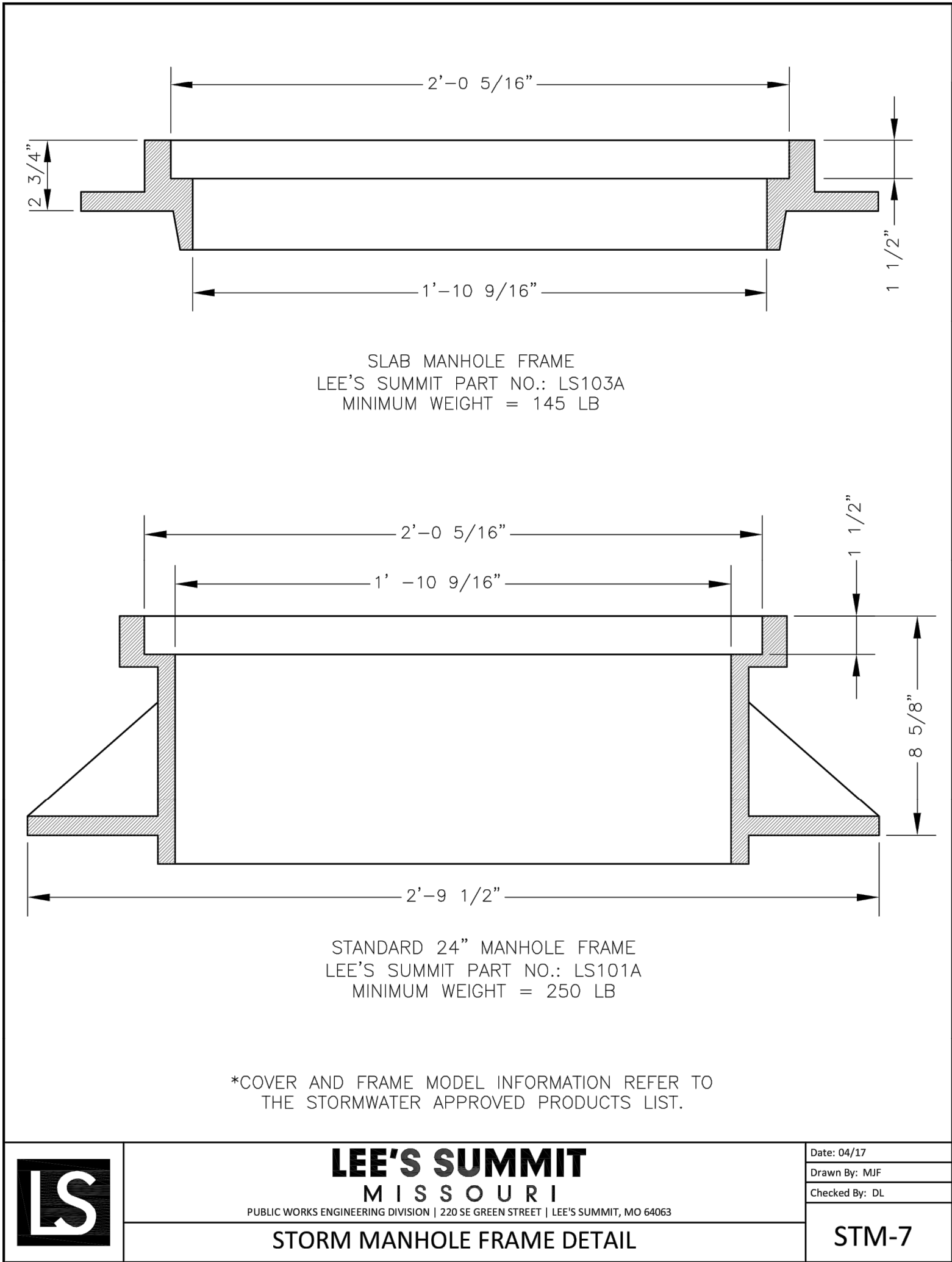
Reinforcing Steel

- Reinforcing steel shall be new billet, minimum Grade 40 as per ASTM A615, and shall be bent cold.
- All dimensions relative to reinforcing steel are to centerline of bars. 2" clearance shall be provided throughout unless noted otherwise. Tolerance of +/- 1/8" shall be permitted.
- All lap splices not shown shall be a minimum of 40 bar diameters in length.
- All reinforcing steel shall be supported on fabricated steel bar supports @ 3'-0" maximum spacing.
- All dowels shall be accurately placed and securely tied in place prior to placement of bottom slab concrete. Sticking of dowels into fresh or partially hardened concrete will not be acceptable.

Construction

- The bottom slab shall be at least 24 hours old before placing sidewall concrete. All sidewall forms shall remain in place a minimum of 24 hours after sidewalls are poured before removal, and after removal shall be immediately treated with membrane curing compound.
- Pipe connections to pre-cast structures shall have a minimum of 6" of concrete around the entire pipe within 2' of the structure.
- Material selection and compaction requirements for backfill around structures shall be as specified in the project manual.

NON-SETBACK CURB INLET



LS

LEE'S SUMMIT

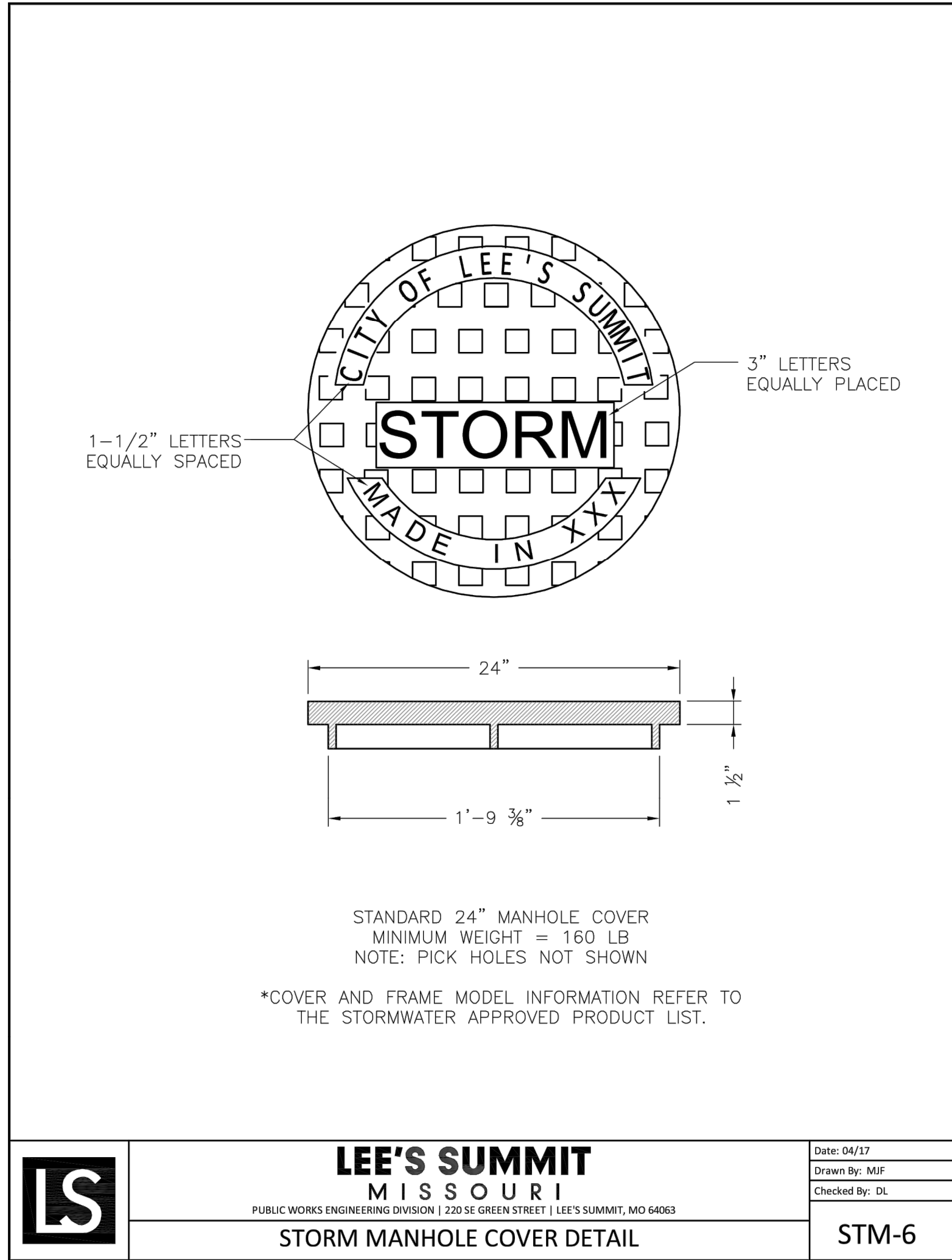
MISSOURI

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

STORM MANHOLE FRAME DETAIL

Date: 04/17
Drawn By: MJF
Checked By: DL

STM-7



LS

LEE'S SUMMIT

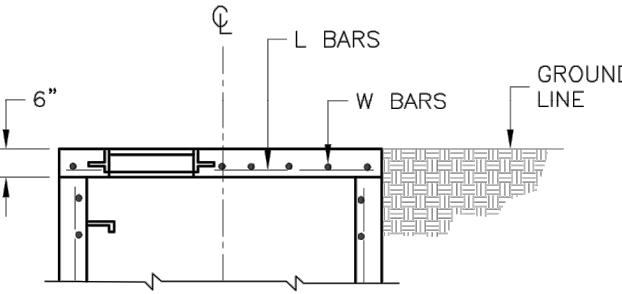
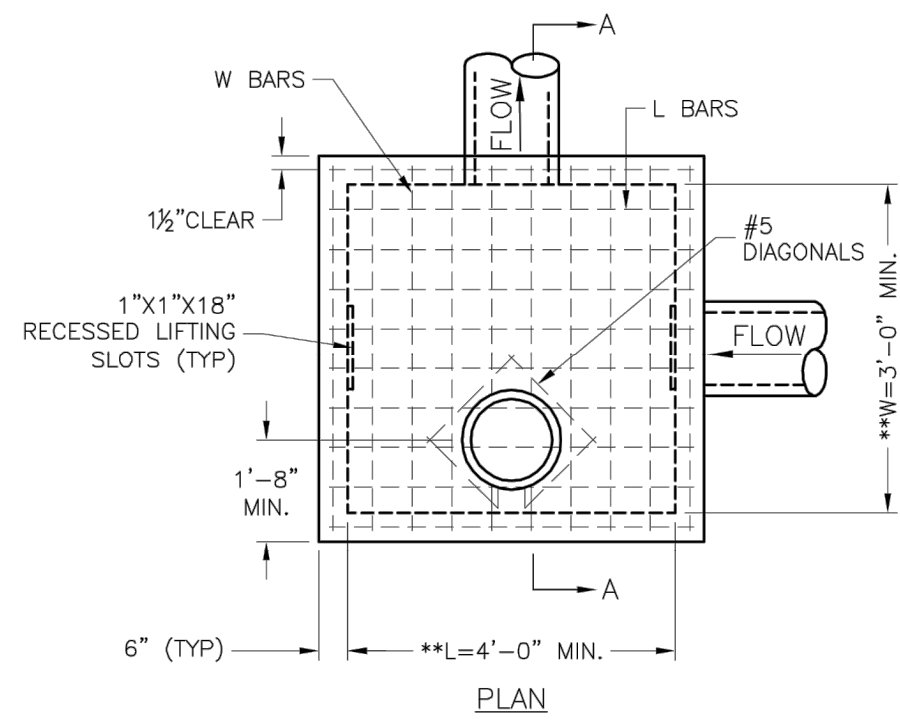
MISSOURI

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

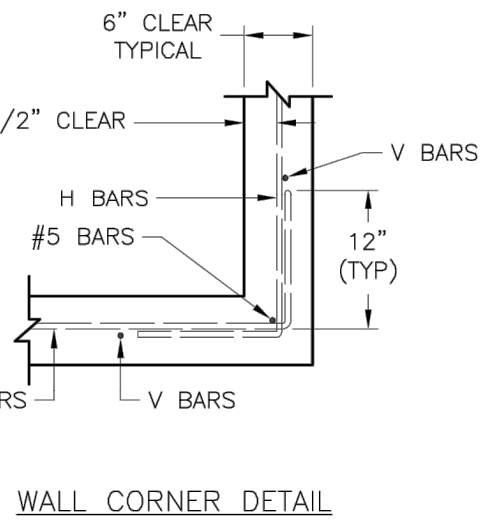
STORM MANHOLE COVER DETAIL

Date: 04/17
Drawn By: MJF
Checked By: DL

STM-6



SLAB TOP ALTERNATE FOR JUNCTION BOX (SHALLOW)



WALL CORNER DETAIL

RELEASE FOR CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI
09/15/2021

** INCREASE IN MULTIPLES OF 6" (7'-0") MAX WITHOUT SPECIAL DESIGN. (SEE PROJECT PLANS FOR DETAILS)

| REINFORCING | | |
|-------------|----------|---------------|
| BAR | BAR SIZE | SPACING (IN.) |
| H | 4 | 12 |
| V | 4 | 12 |
| L | 5 | 6 |
| W | 5 | 6 |

GENERAL NOTES:

- LOCATE RING AND COVER ON BLANK WALL.
- USE 3/4" CHAMFER STRIP OR 1/2" R EDGER TOOL ON ALL EXPOSED CONCRETE CORNERS.
- STEPS REQUIRED AT 16" O.C. WHEN DEPTH FROM TOP OF CASTING TO INVERT EXCEEDS 4' ON BLANK WALL IF POSSIBLE.
- BOXOUTS WILL NOT BE ALLOWED TO PROJECT THROUGH THE CORNERS OF THE STRUCTURE AND THE MINIMUM DISTANCE BETWEEN BOXOUTS IS 6".
- THE MINIMUM REINFORCING SHALL BE 1 H-BAR OVER A CAST-IN-PLACE PIPE AND 2 H-BARS OVER A PRECAST BOXOUT.
- PRECAST LIDS SHALL BE PINNED, SEALED WITH NON-SHRINKABLE GROUT AND REMOVABLE FOR FUTURE MAINTENANCE.
- REINFORCING OF COVERS IN STREETS REQUIRE SPECIAL DESIGN.
- FOR RING AND COVER SEE THE STORMWATER APPROVED PRODUCT LIST.

LEE'S SUMMIT MISSOURI

STANDARD DETAILS
CITY OF LEE'S SUMMIT, MO
LEE'S SUMMIT, JACSON COUNTY, MO
JUNCTION BOX DETAIL

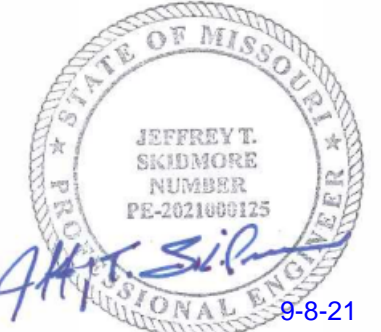
STM-3

SCHLAGEL

ENGINEERS PLANNERS SURVEYORS LANDSCAPE ARCHITECTS

14920 West 107th Street • Lenexa, Kansas 66215
(913) 492-5158 • Fax: (913) 492-8400
WWW.SCHLAGELASSOCIATES.COM
Missouri State Certificates of Authority
#E2002003800-F #LAC201005237 #LS2002008859-F

PREPARED BY:



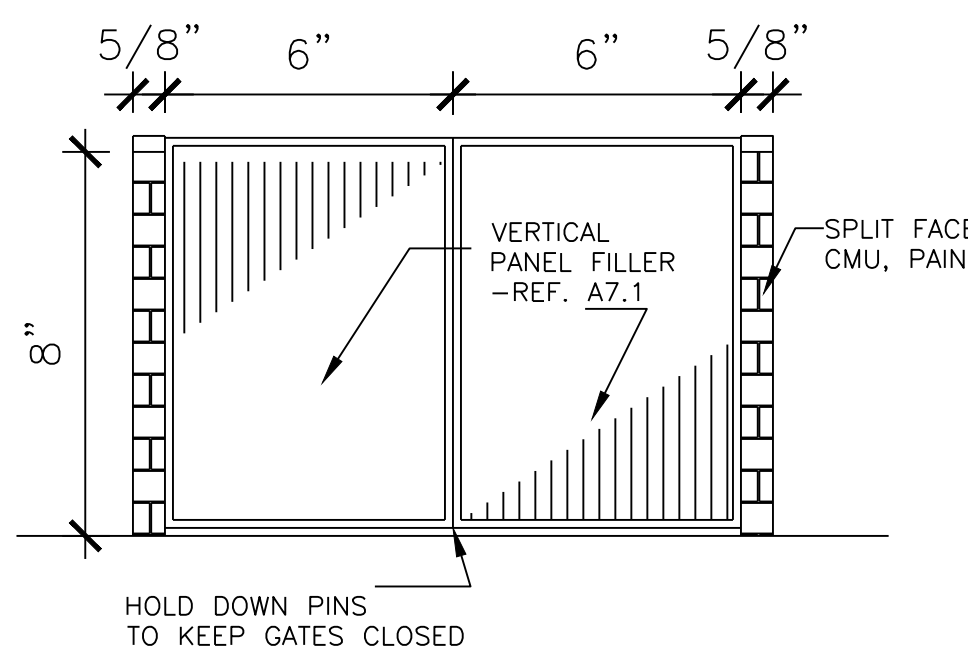
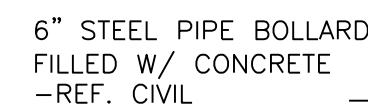
SCHLAGEL & ASSOCIATES, P.A.

LAKEWOOD BUSINESS PARK - LOT 35
FINAL DEVELOPMENT PLANS
4101 NE PORT DRIVE
LEE'S SUMMIT, MISSOURI

| REVISION | DATE | DESCRIPTION |
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SITE DETAILS

SHEET
C7.2



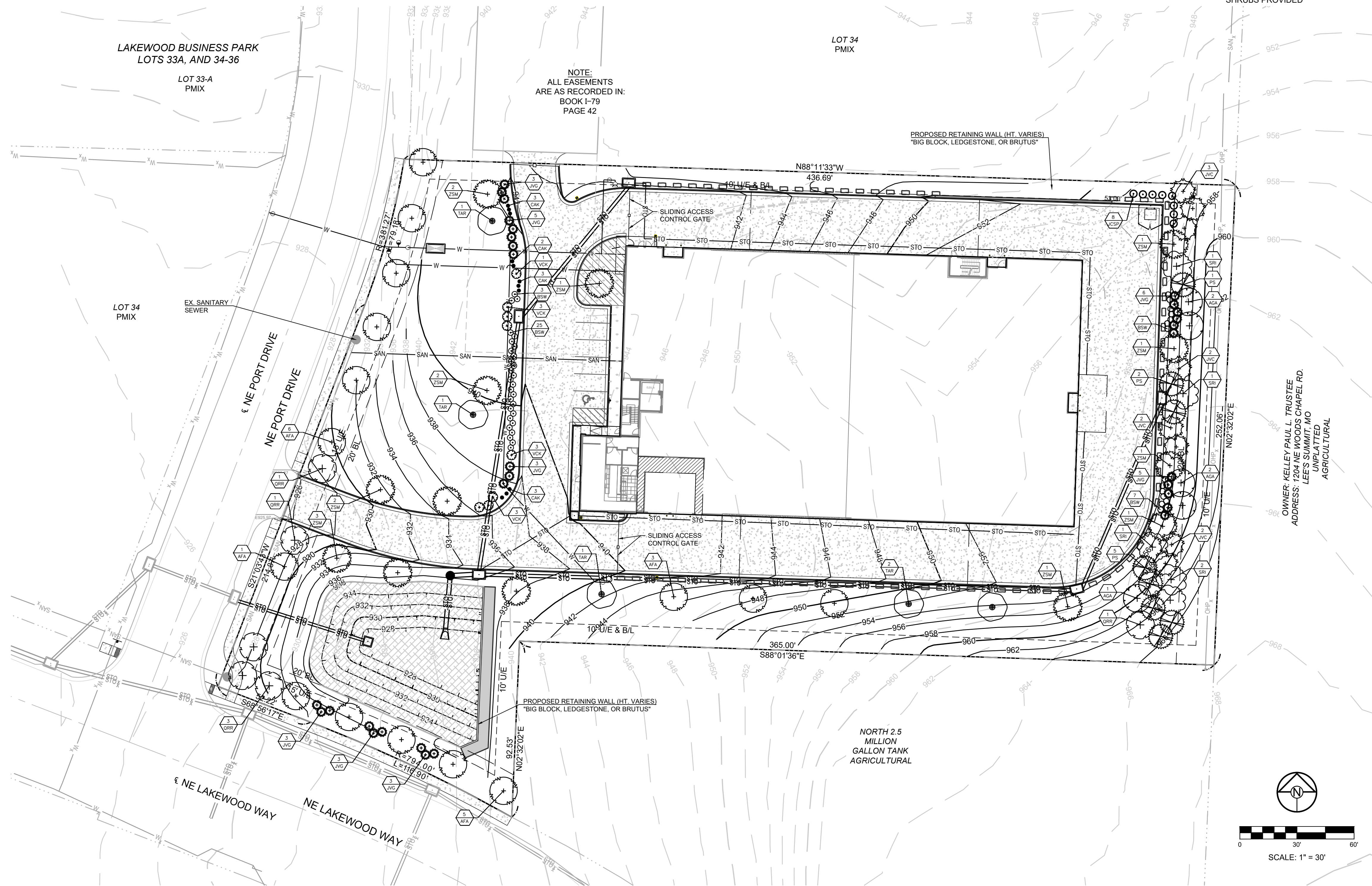
INTEGRAL CURB/SIDEWALK DETAIL

| REVISION DATE | DESCRIPTION |
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| 7. | |
| 8. | |

SITE DETAILS

| | | | | | | |
|---|------|--------|--|--------------------------------|------------------|-------|
|  | AFA | 15 EA. | Acer x freemanii 'Armstrong' | Armstrong Maple | 3" Cal. | B&B |
|  | QRR | 6 EA. | Quercus robur x bicolor(aka x warei) 'Long' | Regal Prince Oak | 3" Cal. | B&B |
|  | TAR | 5 EA. | Tilia americana 'Redmond' | Redmond Linden | 3" Cal. | B&B |
|  | ZSM | 13 EA. | Zelkova serrata 'Musashino' | Musashino Columnar Zelkova | 3" Cal. | B&B |
| EVERGREEN TREES | | | | | | |
|  | JCSP | 8 EA. | Juniperus chinensis 'Spartan' | Spartan Juniper | 8' Ht. | B&B |
|  | JVC | 8 EA. | Juniperus virginiana 'Canaertii' | Canaert Juniper | 8' ht. | B&B |
|  | PS | 8 EA. | Pinus strobus | White Pine | 8' ht. | B&B |
| ORNAMENTAL TREES | | | | | | |
|  | AGA | 5 EA. | Amelanchier x grandiflora 'Autumn Brilliance' | Autumn Brilliance Serviceberry | 3" Cal. & 8' Ht. | B&B |
|  | SRI | 5 EA. | Syringa reticulata 'Ivory Silk' | Ivory Silk Lilac | 3" Cal. & 8' ht. | B&B |
| SHRUBS | | | | | | |
|  | BSW | 28 EA. | Buxus sinica var. insularis 'Wintergreen' fka a microphylla var. | Wintergreen Boxwood | 5 gal. | Cont. |
|  | CSA | 14 EA. | Cornus sericea 'Farrow' | Arctic Fire Red Twig Dogwood | 5 gal. | Cont. |
|  | JVG | 31 EA. | Juniperus virginiana 'Grey Owl' | Grey Owl Juniper | 5 gal. | Cont. |
|  | VCK | 8 EA. | Viburnum carlesii 'Korean Spice' | Koreanspice Viburnum | 5 gal. | Cont. |
| GRASSES | | | | | | |
|  | CAK | 11 EA. | Calamagrostis x acutifolia 'Karl Foerster' | Karl Foerster Grass | 2 gal. | Cont. |

NOTE: MODIFICATION REQUESTED FOR PLANT SIZES



**RELEASE FOR
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LEE'S SUMMIT, MISSOURI
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LANDSCAPE DATA LOT 1 ONLY

STREET FRONTAGE LANDSCAPE

LAKEWOOD WAY TREES REQUIRED(1 PER 30')(169.12/30')
LAKEWOOD WAY TREES PROVIDED
PORT DRIVE TREES REQUIRED(1 PER 30')(294.05/30')
PORT DRIVE TREES PROVIDED

6 TREES
6 NEW TREES
10 TREES
11 NEW TREES

LAKEWOOD WAY SHRUBS REQUIRED(1 PER 20')(169.12'/20')
LAKEWOOD WAY SHRUBS PROVIDED
PORT DRIVE SHRUBS REQUIRED(1 PER 20')(294.05'/20')
PORT DRIVE SHRUBS PROVIDED

9 SHRUBS
9 SHRUBS
15 SHRUBS
15 SHRUBS (IN PARKING LOT SCREEN

SITE LANDSCAPE REQUIRED

TREES REQUIRED (1 PER 5,000 S.F OF OPEN SPACE)(93,083/5000)
TREES PROVIDED

19 TREES
19 TREES (3 IN BUFFER SCREEN)

SHRUBS REQUIRED (2 PER 5,000 S.F. OF LOT AREA)(93,083/5000X2)
SHRUBS PROVIDED

37 SHRUBS
37 SHRUBS (25 IN BUFFER, 12 IN FRONT)

PARKING LOT LANDSCAPE

LANDSCAPE AREA REQUIRED(5% OF PARKING AREA)(2741.0 x 0.05)
LANDSCAPE AREA PROVIDED
TREES REQUIRED (1 PER ISLAND)
TREES PROVIDED
SCREENING (2.5 FT. HT ALONG ENTIRE FRONTAGE ADJ. TO STREET)

138 S.F.
738.0 S.F.
1 TREE
1 TREE
58 SHRUBS (12 FROM OPEN SPACE,
15 FROM LAKEWOOD WAY)

MEDIUM IMPACT LANDSCAPE BUFFER- EAST BOUNDARY

TREES REQUIRED (1 PER 1,000 S.F.)(5,041/1,000)
TREES PROVIDED
ORNAMENTAL TREES REQUIRED (1 PER 500 S.F.)(5,041/500)
ORNAMENTAL TREES PROVIDED
EVERGREEN TREES REQUIRED (1 PER 300 S.F.)(5,041/300)
EVERGREEN TREES PROVIDED
SHRUBS REQUIRED (1 PER 200 S.F.)(5,041/200)
SHRUBS PROVIDED

5 TREES
5 TREES (3 FROM OPEN SPACE)
10 TREES
10 TREES
17 TREES
17 TREES
25 SHRUBS
25 SHRUBS (25 FROM OPEN SPACE)



PREPARED BY:

SCHLAGEL & ASSOCIATES, P.A.

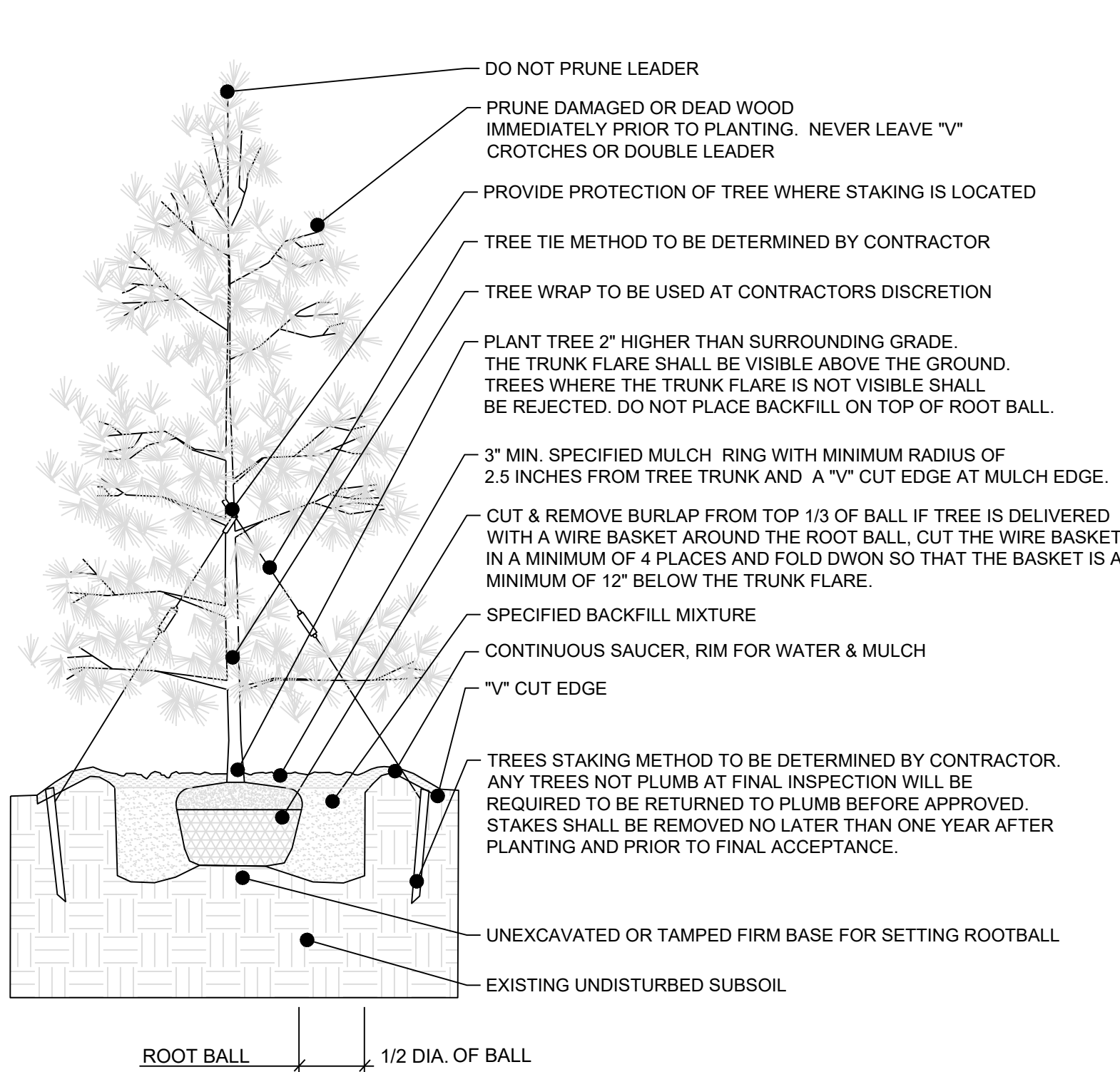
LAKEWOOD BUSINESS PARK - LOT 35
FINAL DEVELOPMENT PLANS
4101 NE PORT DRIVE LEE'S SUMMIT,
MISSOURI

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LANDSCAPE
PLAN

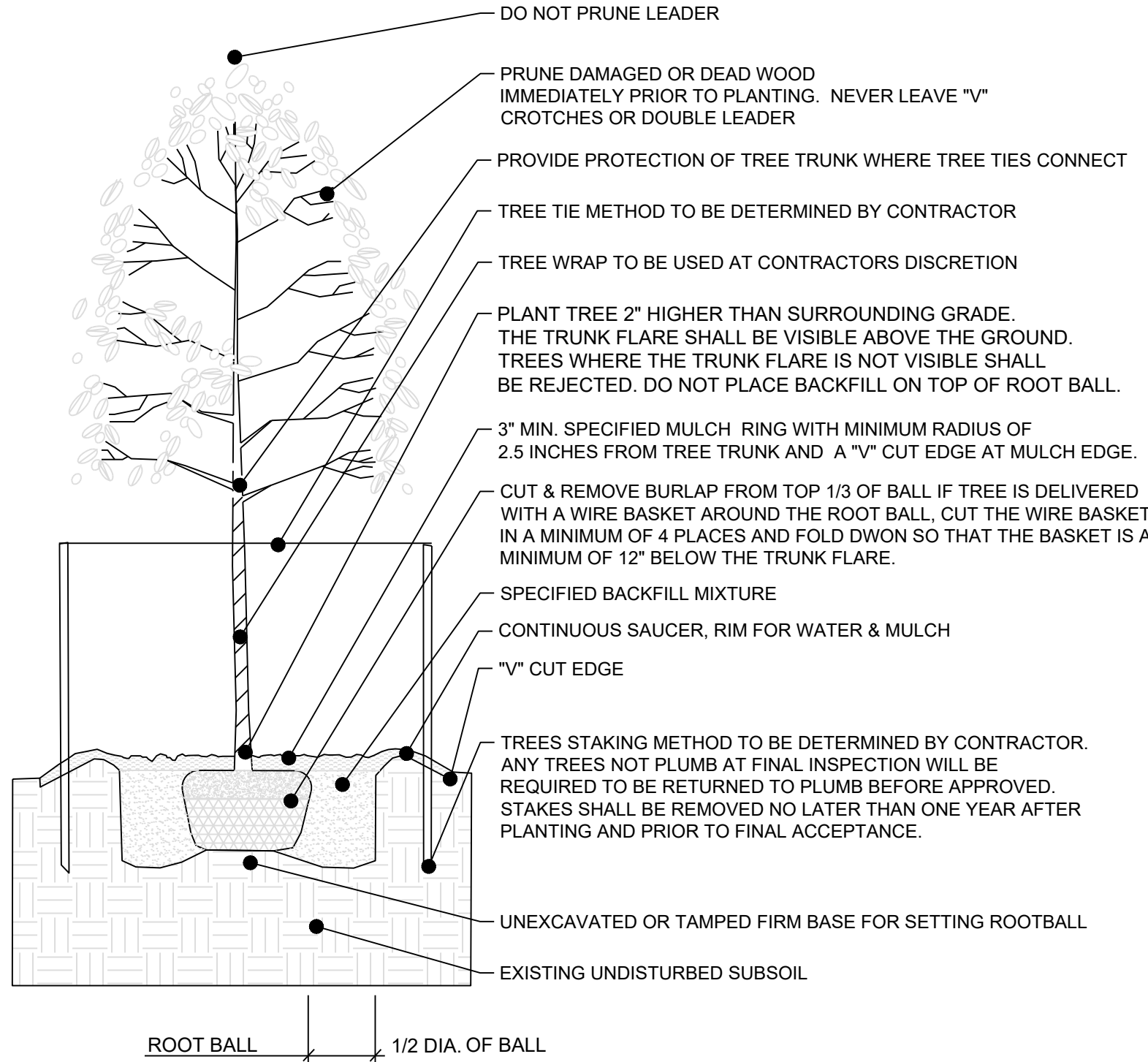
SHEET

L1.0



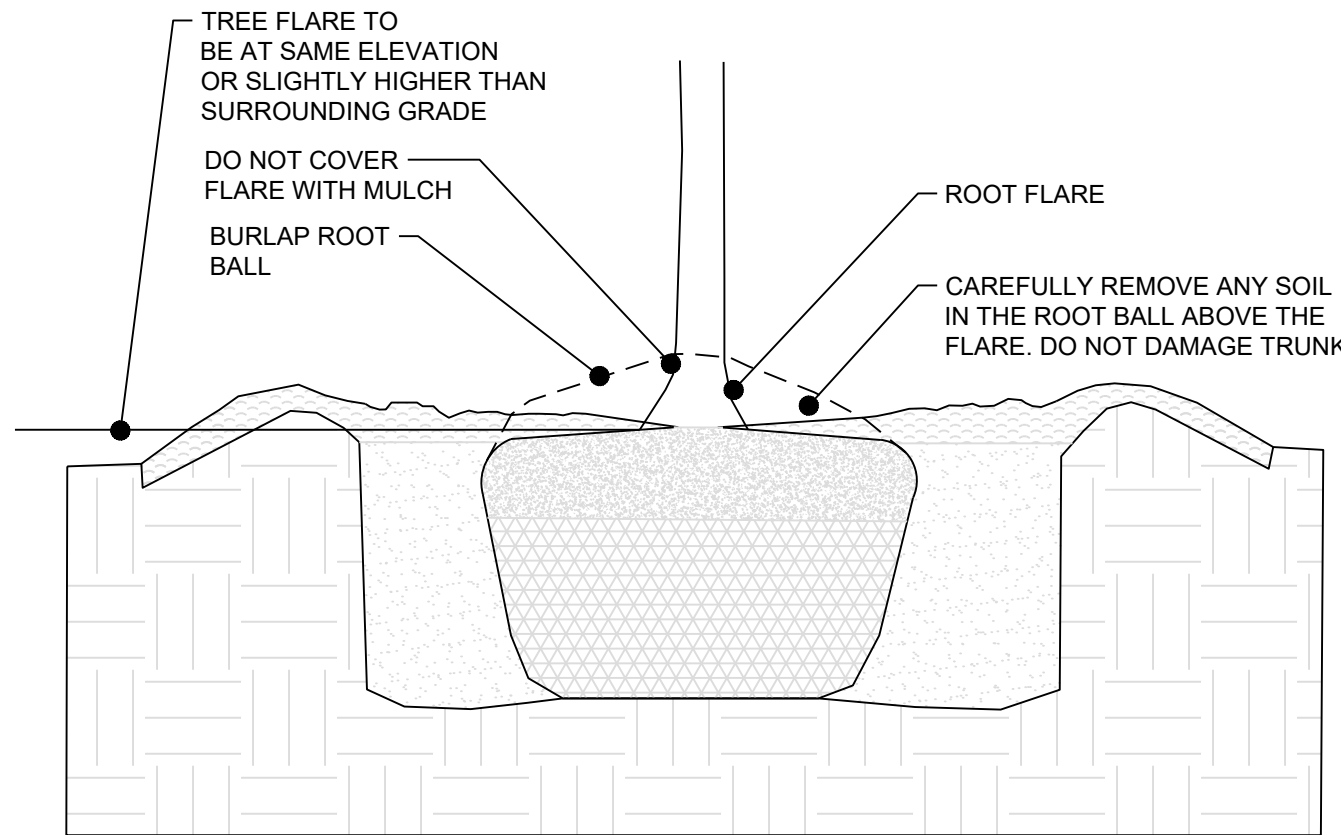
TYP. EVERGREEN PLANTING & GUYING

NO SCALE



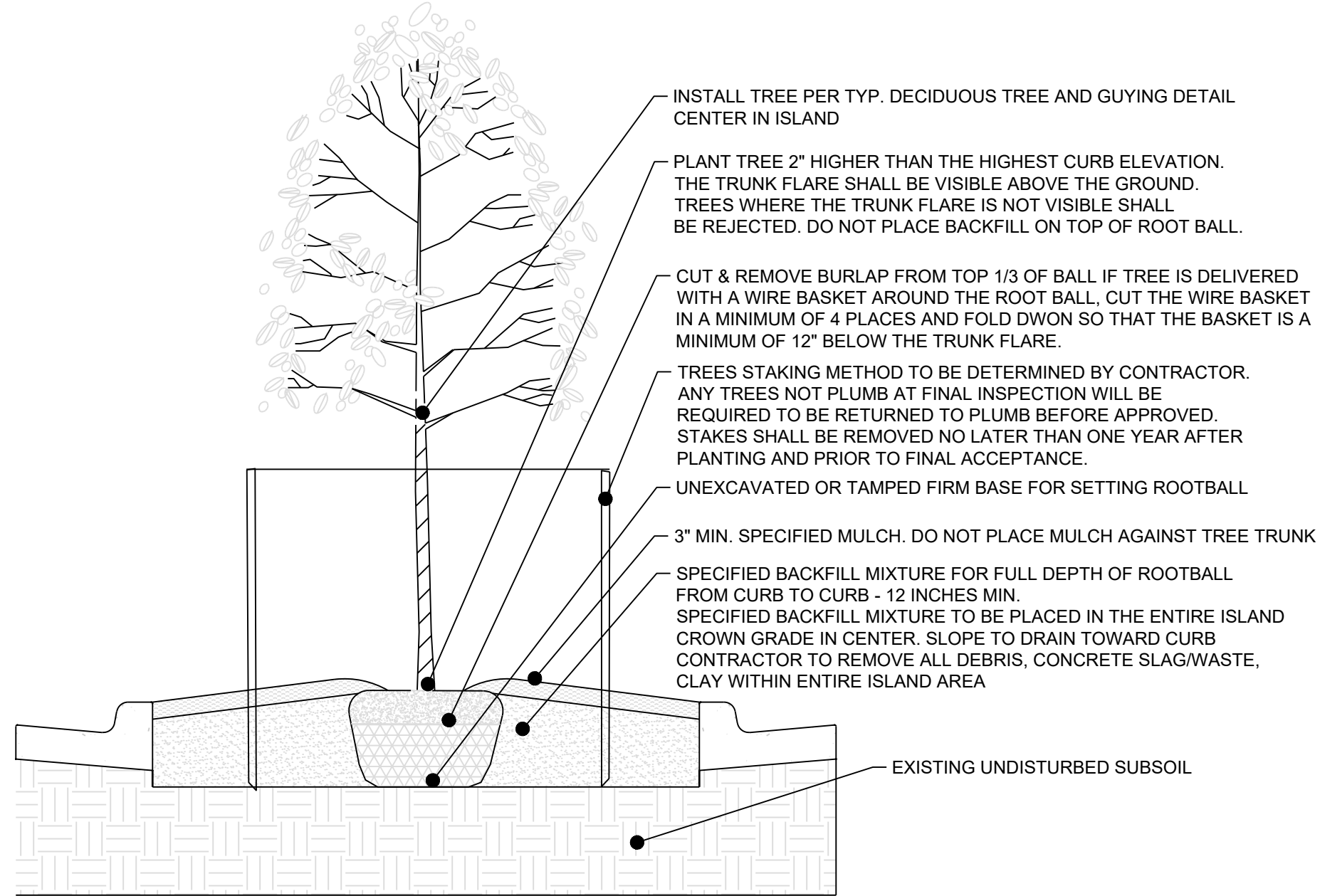
TYP. DECIDUOUS PLANTING & GUYING

NO SCALE



TYP. TREE PLANTING DEPTH

NO SCALE



TYP. PARKING LOT ISLAND PLANTING

NO SCALE

- All trees shall comply with State and Federal regulations. Trees should be obtained from local sources but must meet the quality guidelines herein. Trees transported from out of the region shall meet all State and Federal regulations and be certified to be disease and insect free.
- Provide healthy stock, grown in a nursery and reasonably free of die-back, disease, insects, eggs, bores, and larvae. At the time of planting all plants shall have a root system, stem, and branch form that will not restrict normal growth, stability and health for the expected life of the plant.
- All trees shall be nursery-grown.
- Plants shall be healthy with the color, shape, size and distribution of trunk, stems, branches, buds and leaves normal to the plant type specified. Tree quality above the soil line shall comply with the following:
 - Main branches shall be distributed along the central leader not clustered together. Potential main branches shall be evenly spaced and have appropriate space between them. They shall form a balanced crown appropriate for the cultivar/species.
 - Branch diameter shall be no larger than two-thirds (one-half is preferred) the diameter of the central leader measured 1 inch above the branch union.
 - The attachment of the largest branches (scaffold branches) shall be free of included bark.
 - Branches shall be distributed radially around and vertically along the trunk, forming a generally symmetrical crown typical for the species.
 - The attachment of scaffold branches shall be free of included bark.
- Branch structure: The better quality, large-maturing shade trees (lower extreme left) have all branches less than about two-thirds the trunk diameter. Poor quality shade trees (lower left center) have larger upright branches. Trees such as crape myrtle and other small-maturing trees can have several trunks. Trees with extensive defects in branches such as cracks and included bark (lower right) represent lesser quality than trees free of these potential problems. Included bark can be seen between the two arrows below. Branches with bark inclusions are weakly attached to the tree and can split easy.
- Evergreen branch structure: The branch pattern should dense, symmetrical and the branch stems should be evenly spaced completely around the trunk. The branches shall extend to within 12 inches of the ground and be along the full length of the trunk. Trees which are not symmetrical or that have an "open area" will be rejected. For structural integrity on evergreen trees, all side branches should be less than half the diameter of the adjacent trunk (less than one-third is preferred).
- Trunk: The tree trunk shall be relatively straight, vertical, and free of wounds that penetrate to the wood (properly made pruning cuts, closed or not, are acceptable and are not considered wounds), sunburned areas, conks (fungal fruiting bodies), wood cracks, sap leakage, signs of boring insects, galls, cankers, girdling ties, or lesions (mechanical injury).
- Evergreen tree trunk: Evergreen trees shall have a single trunk that is straight, vertical, and free of wounds that penetrate to the wood (properly made pruning cuts, closed or not, are acceptable and are not considered wounds), sunburned areas, conks (fungal fruiting bodies), wood cracks, sap leakage, signs of boring insects, galls, cankers, girdling ties, or lesions (mechanical injury). Codominant trunks (trunks of similar size) will not be accepted.
- Temporary branches: Unless otherwise specified, can be present along the lower trunk below the lowest main (scaffold) branch, particularly for trees less than 1 inch in caliper. These branches should be no greater than 3/8-inch diameter. Clear trunk should be no more than 40% of the total height of the tree.
- Central Leader: Trees shall have a single(one), relatively straight central leader and tapered trunk, free of co-dominant stems and vigorous, upright branches that compete with the central leader. Preferably, the central leader should not have been headed. However, in cases where the original leader has been removed, an upright branch at least 1/2 (one-half) the diameter of the original leader just below the pruning point shall be present. All trees are assumed to have one central leader trees unless a different form is specified in the plant list or drawings. If the central leader is broken or damaged during delivery or installation the tree shall be rejected and removed from the site. If the central leader dies within the warranty period the tree shall be replaced at the end of the warranty period.
- All graft unions, where applicable, shall be completely closed without visible sign of graft rejection. All grafts shall be visible above the soil line.
- Trunk caliper and taper shall be sufficient so that the lower five feet of the trunk remains vertical without a stake. Auxiliary stake may be used to maintain a straight leader in the upper half of the tree.
- Plant roots shall be normal to the plant type specified. Root observations shall take place without impacting tree health. Root quality at or below the soil line shall comply with the project Root Acceptance details and the following:
 - The roots shall be reasonably free of scrapes, broken or split wood.
 - The root system shall be reasonably free of injury from biotic (e.g., insects and pathogens) and abiotic (e.g., herbicide toxicity and salt injury) agents. Wounds resulting from root pruning used to produce a high quality root system are not considered injuries.
 - A minimum of three structural roots reasonably distributed around the trunk (not clustered on one side) shall be found in each plant. Root distribution shall be uniform throughout the root ball, and growth shall be appropriate for the species.
 - Plants with structural roots on only one side of the trunk (J roots) shall be rejected.
 - The root collar shall be within the upper 1 inch of the substrate/soil. Two structural roots shall reach the side of the root ball near the top surface of the root ball. The grower may request a modification to this requirement for species with roots that rapidly descend, provided that the grower removes all stem girdling roots above the structural roots across the top of the root ball. Any excess soil shall be removed from the root ball so that the root flare is visible as indicated in the "Planting Depth Detail". The root collar shall be visible above the mulch layer.
 - The root system shall be free of stem girdling roots over the root collar or kinked roots from nursery production practices.
 - Plant Grower Certification: The final plant grower shall be responsible to have determined that the plants have been root pruned at each step in the plant production process to remove stem girdling roots and kinked roots, or that the previous production system used practices that produce a root system throughout the root ball that meets these specifications. Regardless of the work of previous growers, the plant's root system shall be modified at the final production stage, if needed, to produce the required plant root quality. The final grower shall certify in writing that all plants are reasonably free of stem girdling and kinked roots as defined in this specification, and that the tree has been grown and harvested to produce a plant that meets these specifications.
 - At time of observations and delivery, the root ball shall be moist throughout. Roots shall not show signs of excess soil moisture conditions as indicated by stunted, discolored, distorted, or dead roots.

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PREPARED BY:

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LAKEWOOD BUSINESS PARK - LOT 35
FINAL DEVELOPMENT PLANS
4101 NE PORT DRIVE LEE'S SUMMIT,
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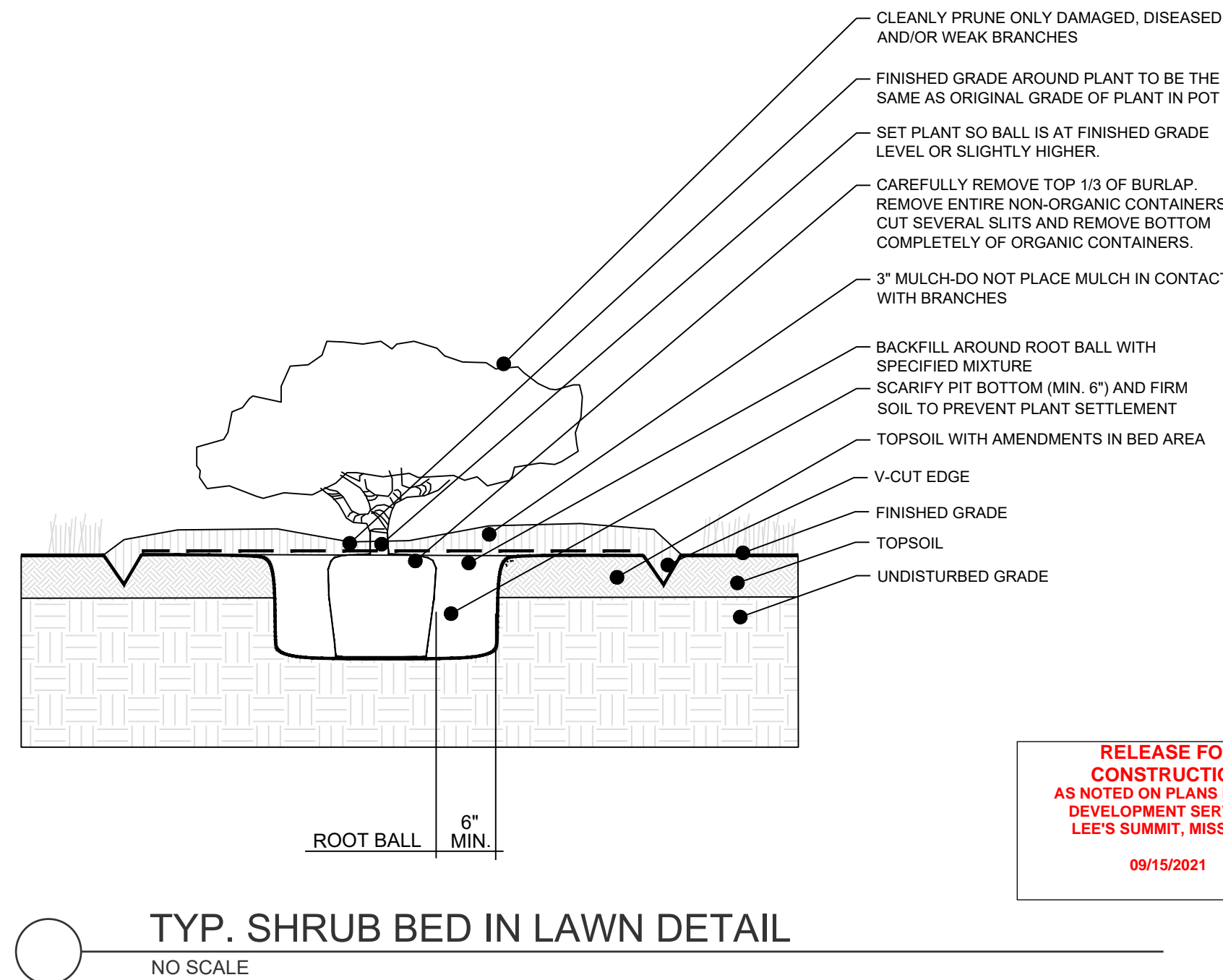
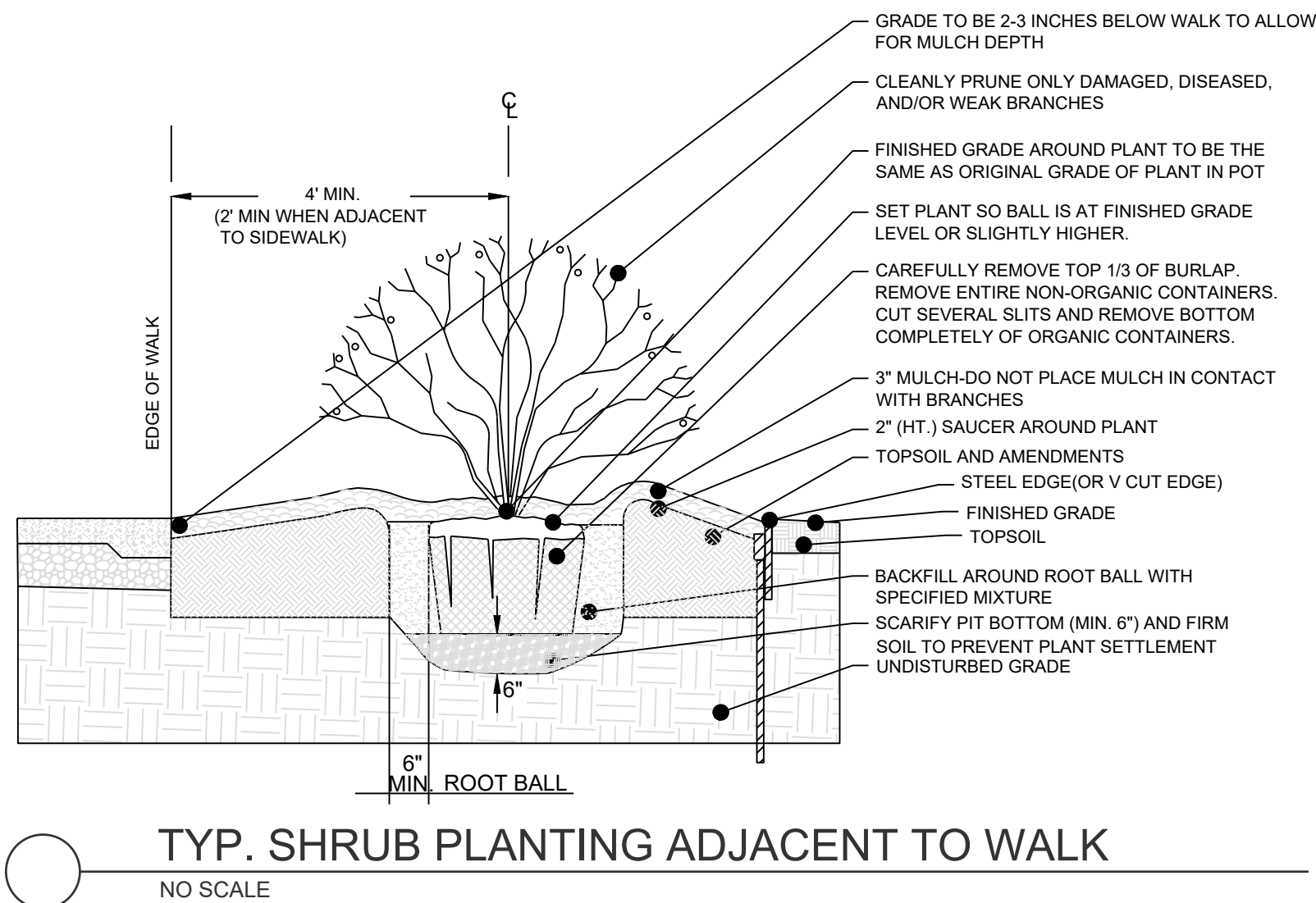
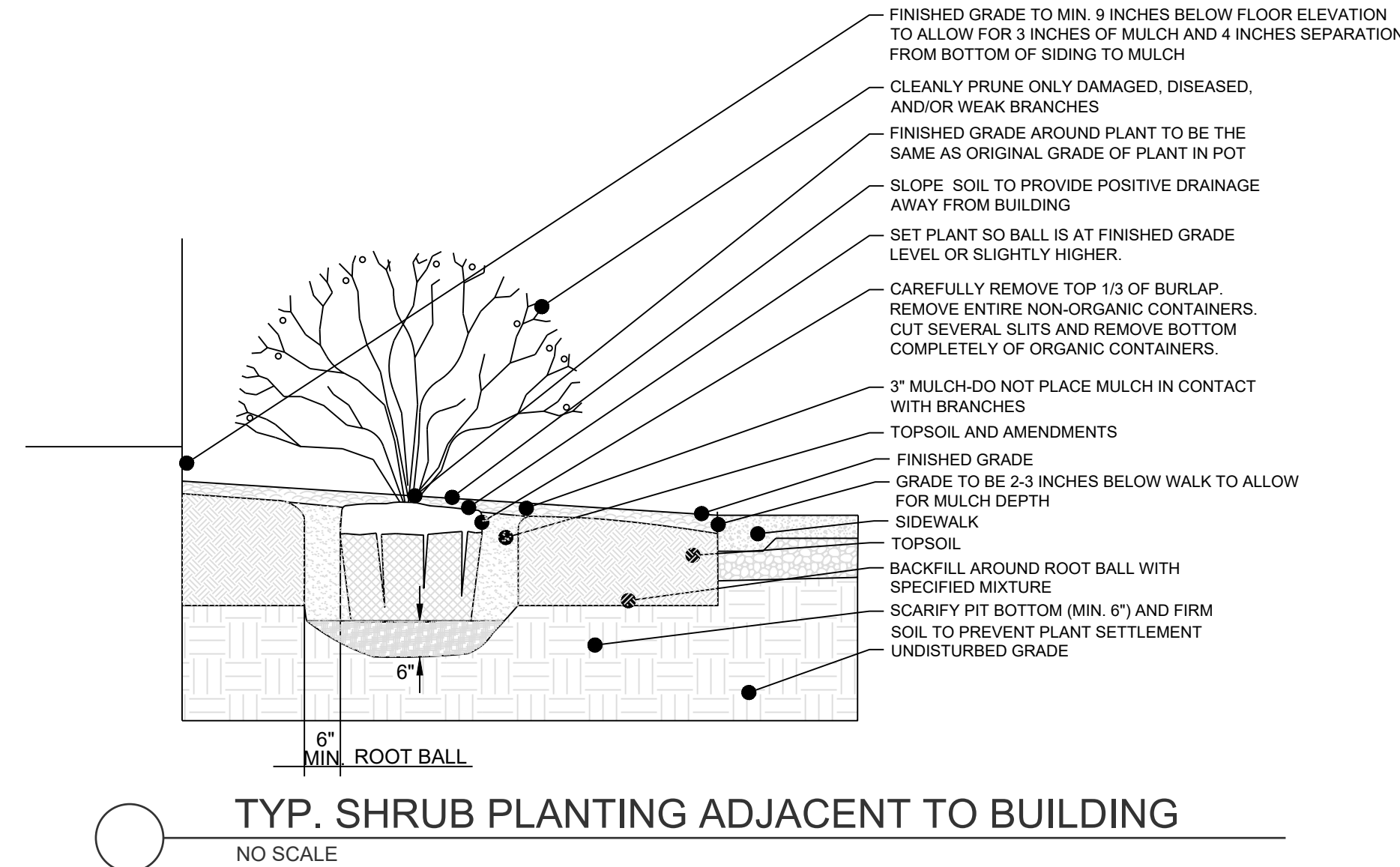
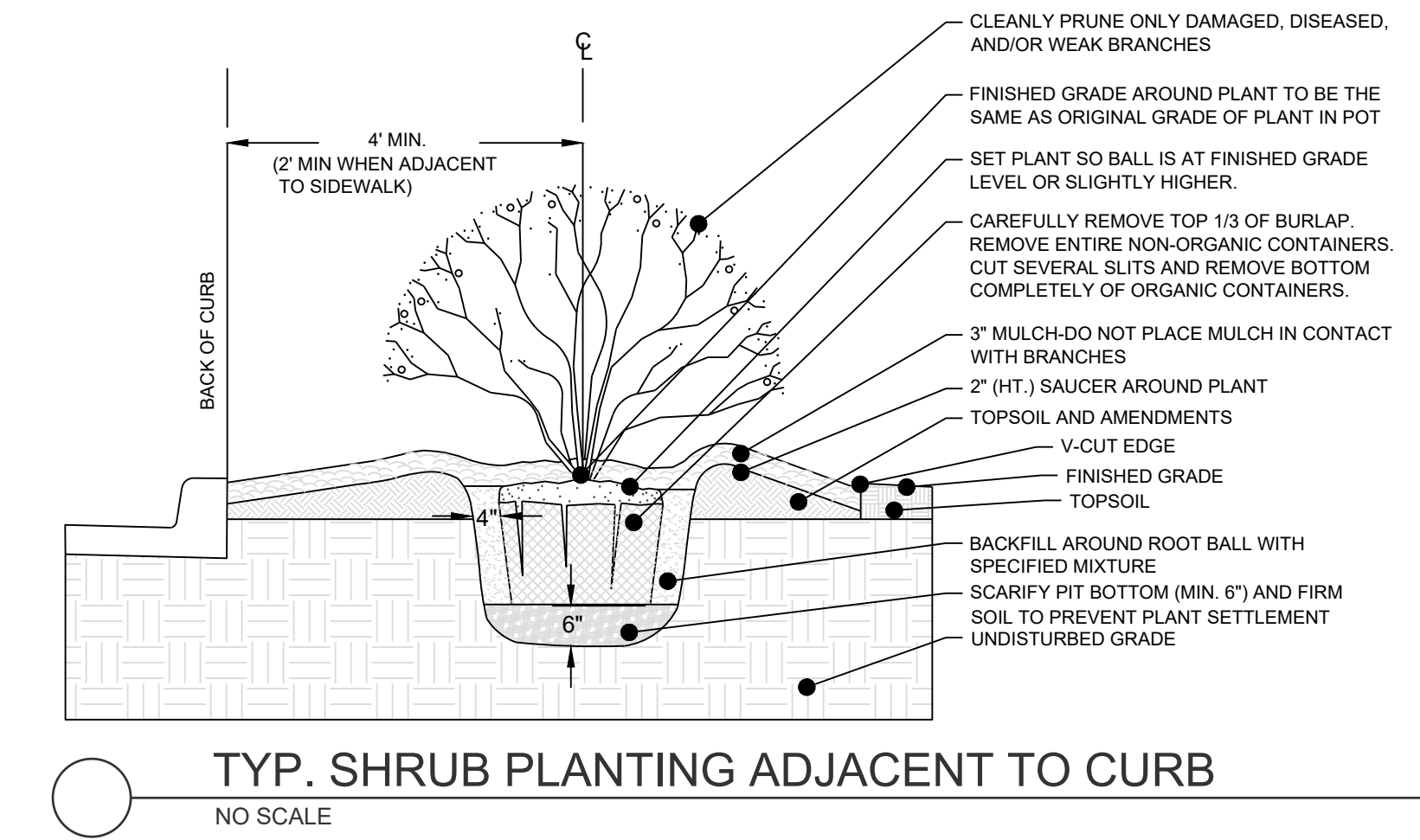
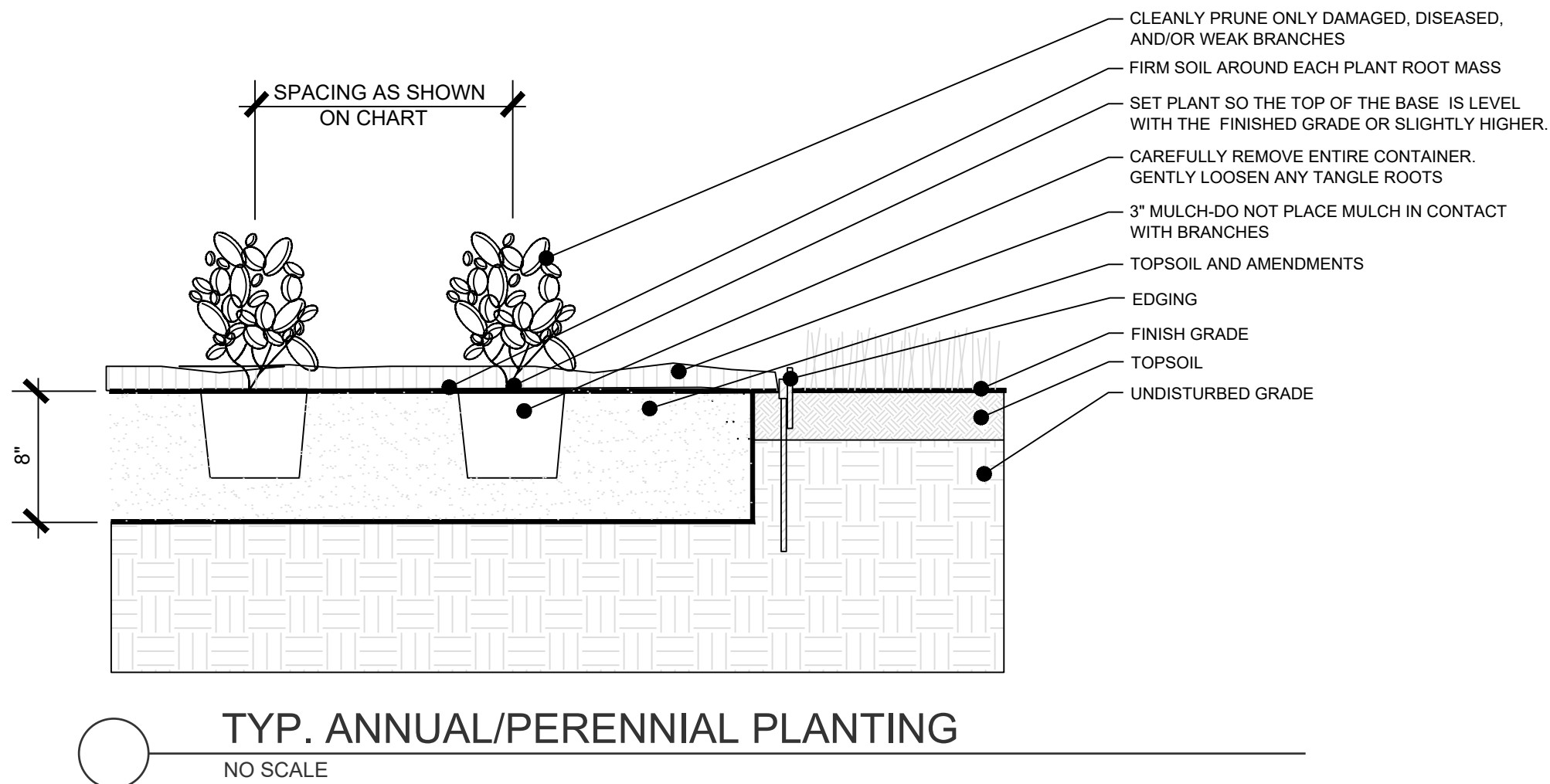
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|----------------|------------|
| DRAWN BY: | RPM |
| CHECKED BY: | JTS |
| DATE PREPARED: | 08/25/2021 |
| PROJ. NUMBER: | 20-261 |

LANDSCAPE
DETAILS

SHEET

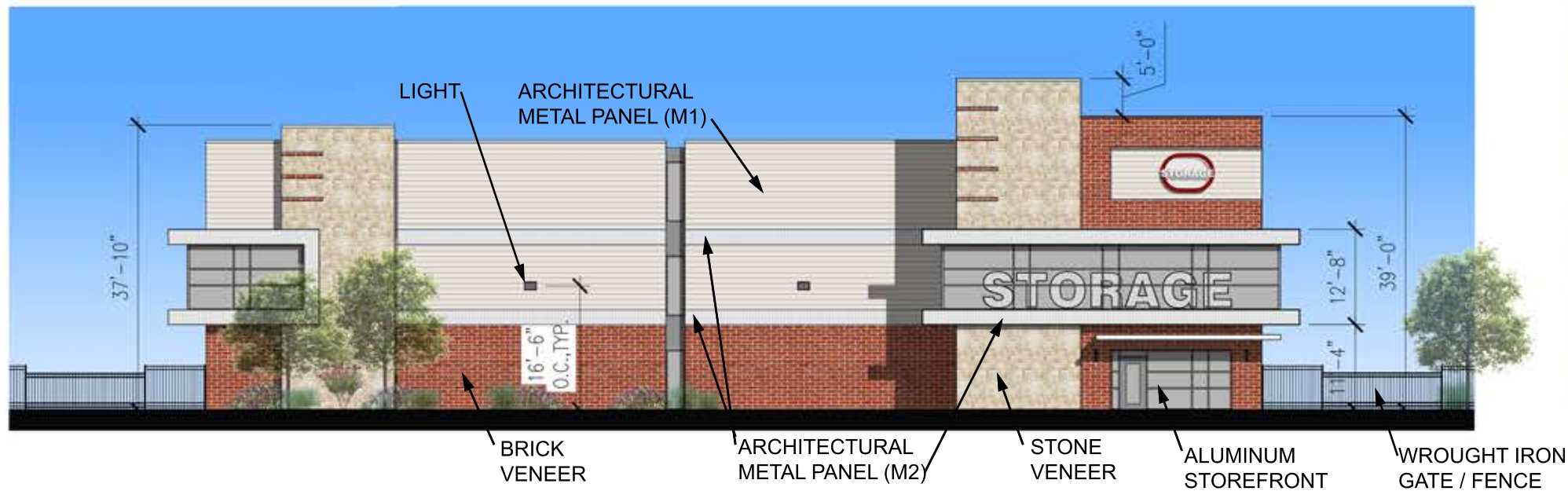
L2.0

I:\PROJECTS\2020\20-261\7-FDP-LP.dwg, 9/7/2021 4:01:15 PM, 1:1

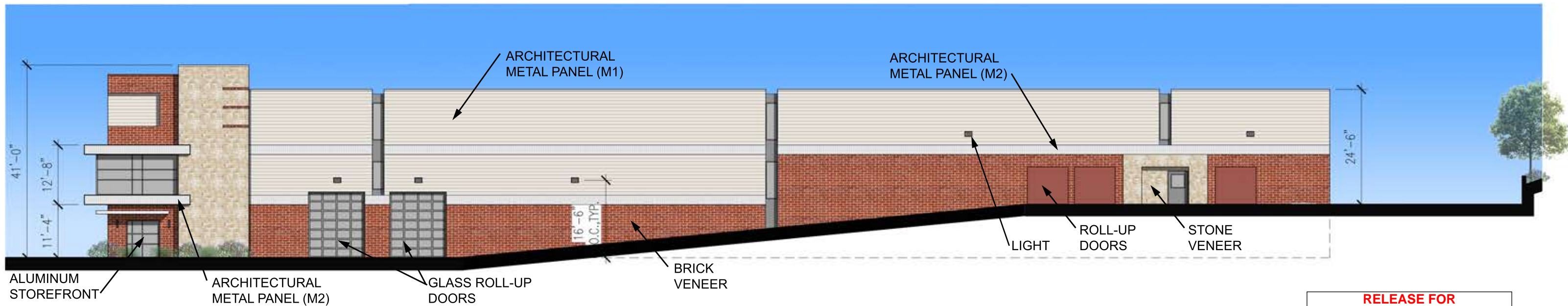


| REVISION | DATE | DESCRIPTION |
|----------|------------|---------------|
| 1 | 09/13/2021 | City Comments |
| 2 | 09/30/2021 | City Comments |
| 3 | 09/07/2021 | City Comments |
| 4 | | |
| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |

| | |
|----------------|---------------|
| DRAWN BY: | DESCRIPTION |
| RPM | City Comments |
| CHECKED BY: | City Comments |
| JTS | City Comments |
| DATE PREPARED: | |
| 09/25/2021 | |
| PROJ. NUMBER: | |
| 20-261 | |



WEST ELEVATION



SOUTH ELEVATION

**RELEASE FOR
CONSTRUCTION**
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

09/15/2021

EXTERIOR ELEVATIONS

SCALE: 1" = 20'-0" 02.19.2021



LAKEWOOD STORAGE

LEE SUMMIT, MISSOURI

THIS DOCUMENT IS NOT FOR REGULATORY
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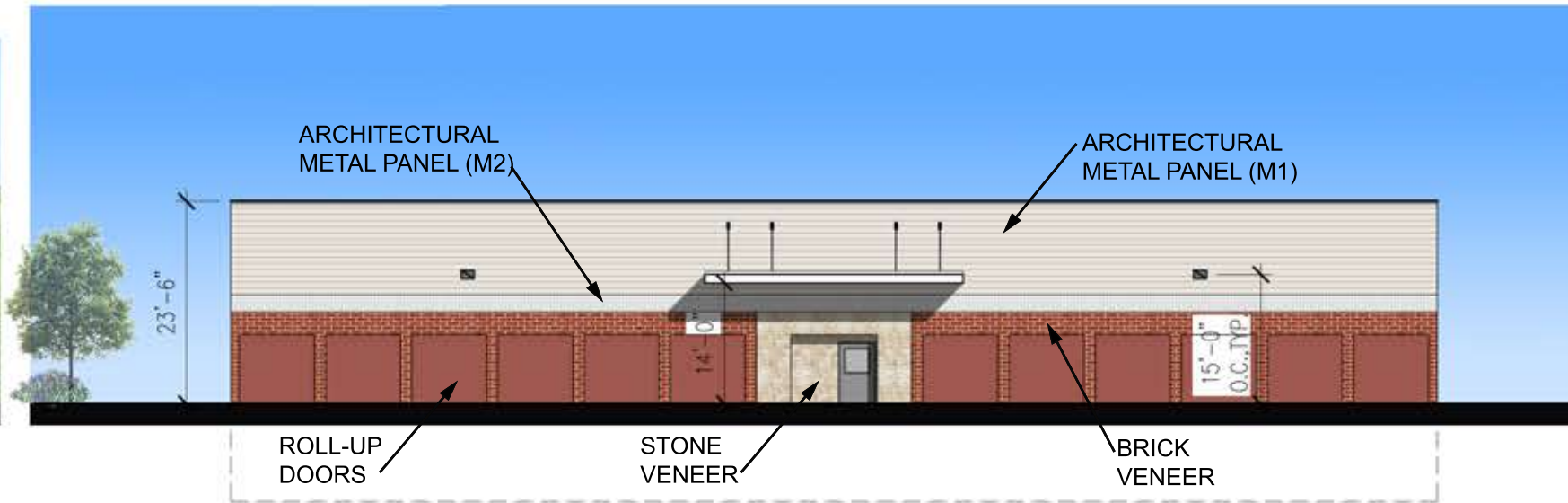
JEFFREY S. DALLENBACH, AIA
MO REGISTRATION NO. A-2020036988

CONCEPTUAL SITE PLAN HAS BEEN
DEVELOPED WITHOUT SURVEY, SETBACK,
EASEMENT, OR CIVIL ENGINEERING
INFORMATION.

DALLENBACH·COLE

ARCHITECTURE

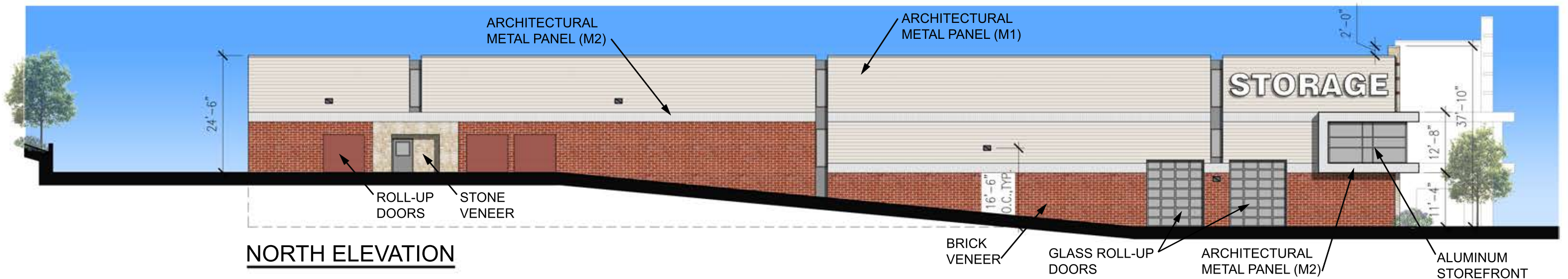
12035 COLWICK
SAN ANTONIO, TX 78216
WWW.DALLENBACHCOLE.COM
P 210.493.2234



EAST ELEVATION



NORTH ELEVATION



NORTH ELEVATION

**RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI**

09/15/2021

EXTERIOR ELEVATIONS

SCALE: 1" = 20'-0" 02.19.2021



LAKEWOOD STORAGE

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EASEMENT, OR CIVIL ENGINEERING
INFORMATION.

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RELEASE FOR
CONSTRUCTION
AS SHOWN ON PLANS FOR
SELF-STORAGE FACILITY
1000 SUMMIT, MISSOURI
2024-0001



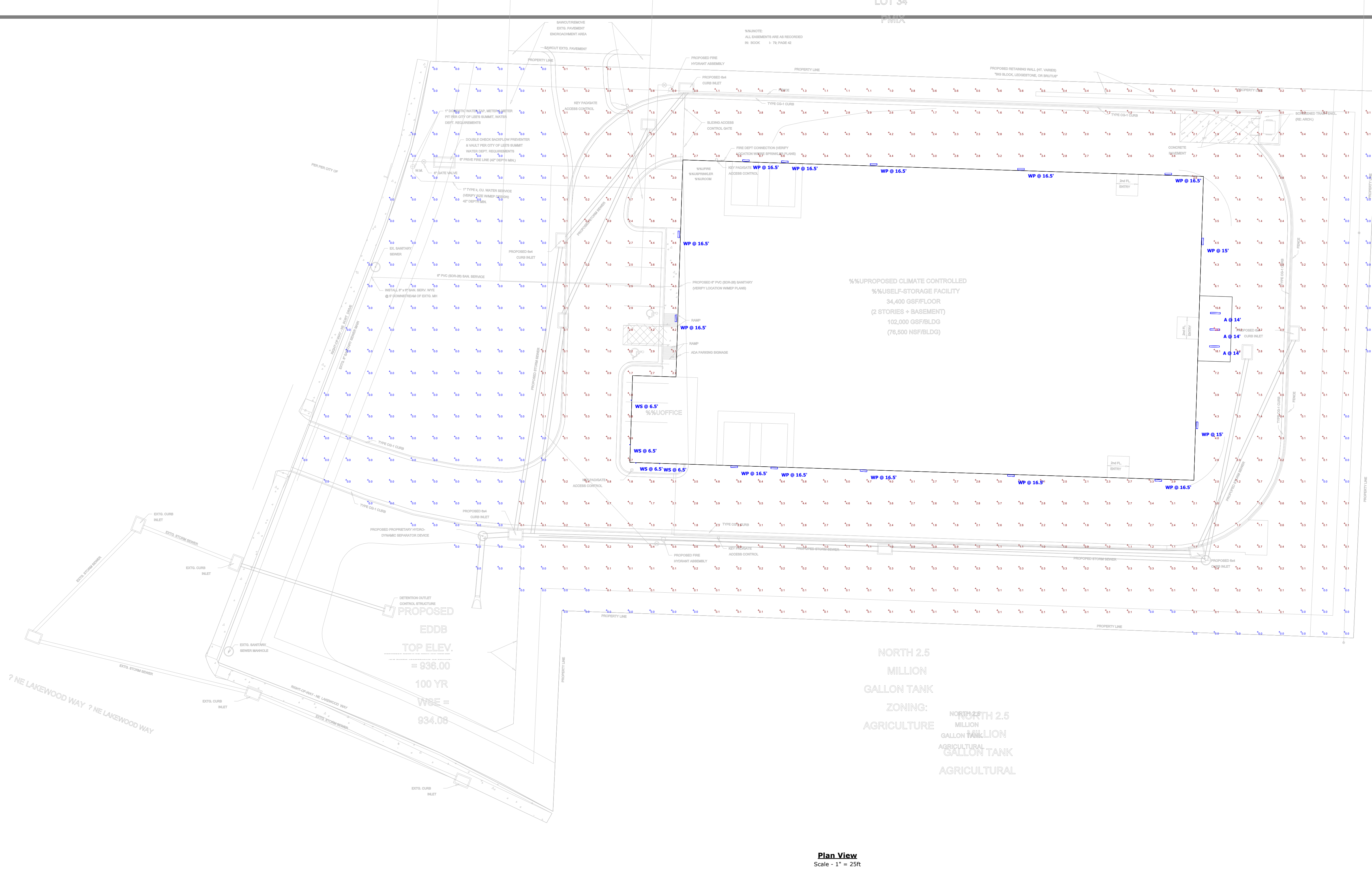
**RELEASE FOR
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LEE'S SUMMIT, MISSOURI**

09/15/2021

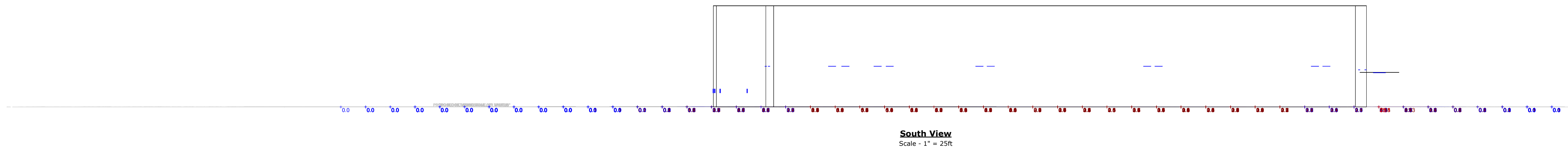


**RELEASE FOR
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AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI**




09/15/2021



Plan View
Scale - 1" = 25f



South View
Scale - 1" = 25ft

| SCHEDULE - NOT FOR USE IN CONSTRUCTION DOCUMENTS | | | | | | | | | | | | |
|---|-------|-----|-------------------|----------------------------------|---|---------------|--------------|--------------------------------------|-----------------|------|---------|--|
| Symbol | Label | QTY | Manufacturer | Catalog Number | Description | Lamp | Number Lamps | Filename | Lumens per Lamp | LLF | Wattage | Distribution |
|  | WP | 14 | Lithonia Lighting | DSXW1 LED 20C 1000 40K T2M MVOLT | DSXW1 LED WITH (2) 10 LED LIGHT ENGINES, TYPE T2M OPTIC, 4000K, @ 1000mA. | LED | 1 | DSXW1_LED_20C_1000_40K_T2M_MVOLT.ies | 7373 | 0.95 | 73.2 | TYPE III, MEDIUM, BUG RATING: B2 - U0 - G2 |
|  | WS | 4 | VISA LIGHTING | OW5524 | VANITY HORIZONTAL MOUNT 15" | LED 3500K - H | 1 | OW5524-L35K-H.ies | 981 | 0.95 | 10.4 | |
|  | A | 3 | Lithonia Lighting | VAP 6000LM FST MD 40K 80CRI | VAP LED with BLT Gen 2 Boards | | 1 | VAP_6000LM_FST_MD_40K_80CRI.ies | 5442 | 0.95 | 49.31 | DIRECT, SC=1.18, SC90=1.18 |

| Statistics | | | | | | |
|--------------|--------|--------|---------|--------|---------|---------|
| Description | Symbol | Avg | Max | Min | Max/Min | Avg/Min |
| Calc Zone #1 | + | 1.1 fc | 23.1 fc | 0.0 fc | N/A | N/A |

Note

1. ALL EXTERIOR CALCULATIONS ARE ASSUMED ON EVEN OR FLAT TERRAIN.
2. ALL EXTERIOR CALCULATIONS ARE TAKEN AT 0'-0" AFG.
3. VALUE NEXT TO LUMINAIRE LABEL DRAWING REPRESENTS OVERALL MOUNTING HEIGHT.

This document was prepared to convey a concept and not detail a working system. Spectrum Lighting, Inc. makes no representation, express or implied, with respect to the use of the information conveyed in this document, regardless of its format or the means of its distribution. Any specific information regarding the installation must be provided by the manufacturer of the equipment. There is no guarantee or representation to the user as to the accuracy, currency, or reliability of this document for any purpose.

The fixture schedule above does not contain the complete fixture nomenclature required for construction or bidding purposes. The fixture nomenclature listed is the photometric file of the base fixture. Please contact Spectrum Lighting Inc., San Antonio for a complete fixture schedule.

Designer
Matt Stohlmann
Date
03/15/2021
Scale
Not to Scale
Drawing No.
REV 2
Summary

OUTDOOR PHOTOMETRIC REPORT

CATALOG: VAP 6000LM FST MD 40K 80CRI



Test #: ISF36812P29
 Test Lab: SCALED PHOTOMETRY
 Catalog: VAP 6000LM FST MD 40K 80CRI
 Description: VAP LED with BLT Gen 2 Boards
 Series: VAP LED
 Lamp Output: Total luminaire Lumens: 5442.5, **absolute photometry ***
 Input Wattage: 49.31
 Luminous Opening: Rectangle w/Luminous Sides (L: 1.39M, W: 0.2M, H: 0.01M)
 Max Cd: 1,942.6 at Horizontal: 270°, Vertical: 2.5°
 Roadway Class: Type VS

**Zonal Lumen Summary**

| Zone | Lumens | % Luminaire |
|--------|---------|-------------|
| 0-30 | 1,458.8 | 26.8% |
| 0-40 | 2,347.3 | 43.1% |
| 0-60 | 4,014.7 | 73.8% |
| 60-90 | 1,120.1 | 20.6% |
| 70-100 | 597.6 | 11% |
| 90-120 | 165.4 | 3% |
| 0-90 | 5,134.8 | 94.3% |
| 90-180 | 307.7 | 5.7% |
| 0-180 | 5,442.5 | 100% |

Lumens Per Zone

| Zone | Lumens | % Total | Zone | Lumens | % Total |
|-------|--------|---------|---------|--------|---------|
| 0-10 | 182.7 | 3.4% | 90-100 | 65.2 | 1.2% |
| 10-20 | 515.3 | 9.5% | 100-110 | 50.7 | 0.9% |
| 20-30 | 760.8 | 14.0% | 110-120 | 49.5 | 0.9% |
| 30-40 | 888.6 | 16.3% | 120-130 | 45.1 | 0.8% |
| 40-50 | 889.6 | 16.3% | 130-140 | 38.3 | 0.7% |
| 50-60 | 777.7 | 14.3% | 140-150 | 29.2 | 0.5% |
| 60-70 | 587.7 | 10.8% | 150-160 | 18.1 | 0.3% |
| 70-80 | 365.0 | 6.7% | 160-170 | 9.0 | 0.2% |
| 80-90 | 167.4 | 3.1% | 170-180 | 2.6 | 0% |

*TEST BASED ON ABSOLUTE PHOTOMETRY WHERE LAMP LUMENS=LUMENS TOTAL.

*CUTOFF CLASSIFICATION AND EFFICIENCY CANNOT BE PROPERLY CALCULATED FOR ABSOLUTE PHOTOMETRY.

VISUAL PHOTOMETRIC TOOL 1.2.46 COPYRIGHT 2020, ACUITY BRANDS LIGHTING.

THIS PHOTOMETRIC REPORT HAS BEEN GENERATED USING METHODS RECOMMENDED BY THE IESNA. CALCULATIONS ARE BASED ON PHOTOMETRIC DATA PROVIDED BY THE MANUFACTURER, AND THE ACCURACY OF THIS PHOTOMETRIC REPORT IS DEPENDENT ON THE ACCURACY OF THE DATA PROVIDED. END-USER ENVIRONMENT AND APPLICATION (INCLUDING, BUT NOT LIMITED TO, VOLTAGE VARIATION AND DIRT ACCUMULATION) CAN CAUSE ACTUAL PHOTOMETRIC PERFORMANCE TO DIFFER FROM THE PERFORMANCE CALCULATED USING THE DATA PROVIDED BY THE MANUFACTURER. THIS REPORT IS PROVIDED WITHOUT WARRANTY AS TO ACCURACY, COMPLETENESS, RELIABILITY OR OTHERWISE. IN NO EVENT WILL ACUITY BRANDS LIGHTING BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF THIS REPORT.



ISF36812P29
VISUAL PHOTOMETRIC TOOL

PUBLISH
PAGE 1 OF 3

**RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI**

09/15/2021

OUTDOOR PHOTOMETRIC REPORT
 CATALOG: VAP 6000LM FST MD 40K 80CRI



Roadway Summary

| | | |
|------------------------|---------|--------|
| Distribution: | Type VS | |
| Max Cd, 90 Deg Vert: | 172.9 | |
| Max Cd, 80 to <90 Deg: | 340.1 | |
| | Lumens | % Lamp |
| Downward Street Side: | 2,548.6 | 46.8% |
| Downward House Side: | 2,586.7 | 47.5% |
| Downward Total: | 5,135.3 | 94.4% |
| Upward Street Side: | 153.4 | 2.8% |
| Upward House Side: | 154.2 | 2.8% |
| Upward Total: | 307.7 | 5.7% |
| Total Lumens: | 5,443.0 | 100% |

LCS Table

| BUG Rating | B2 - U3 - G1 | |
|-----------------------|--------------|----------|
| Forward Light | Lumens | Lumens % |
| Low(0-30): | 727.1 | 13.4% |
| Medium(30-60): | 1,268.8 | 23.3% |
| High(60-80): | 470.5 | 8.6% |
| Very High(80-90): | 82.1 | 1.5% |
| Back Light | | |
| Low(0-30): | 731.9 | 13.4% |
| Medium(30-60): | 1,287.4 | 23.7% |
| High(60-80): | 482.2 | 8.9% |
| Very High(80-90): | 85.2 | 1.6% |
| Uplight | | |
| Low(90-100): | 65.2 | 1.2% |
| High(100-180): | 242.5 | 4.5% |
| Trapped Light: | 0.000 | 0% |

**RELEASE FOR
 CONSTRUCTION**
 AS NOTED ON PLANS REVIEW
 DEVELOPMENT SERVICES
 LEE'S SUMMIT, MISSOURI

09/15/2021

OUTDOOR PHOTOMETRIC REPORT
CATALOG: VAP 6000LM FST MD 40K 80CRI



Candela Table - Type C

| | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 | 202.5 | 225 | 247.5 | 270 | 292.5 | 315 | 337.5 | 360 |
|-------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|
| 0 | 1937 | 1937 | 1937 | 1937 | 1937 | 1937 | 1937 | 1937 | 1937 | 1937 | 1937 | 1937 | 1937 | 1937 | 1937 | 1937 | 1937 |
| 2.5 | 1930 | 1933 | 1931 | 1933 | 1938 | 1935 | 1937 | 1938 | 1931 | 1938 | 1937 | 1935 | 1943 | 1937 | 1935 | 1935 | 1930 |
| 5 | 1921 | 1922 | 1920 | 1918 | 1924 | 1921 | 1927 | 1930 | 1927 | 1934 | 1930 | 1930 | 1935 | 1930 | 1930 | 1928 | 1921 |
| 7.5 | 1908 | 1907 | 1899 | 1897 | 1901 | 1904 | 1911 | 1915 | 1914 | 1924 | 1918 | 1917 | 1922 | 1918 | 1915 | 1915 | 1908 |
| 10 | 1886 | 1884 | 1873 | 1869 | 1875 | 1875 | 1886 | 1897 | 1895 | 1905 | 1901 | 1898 | 1902 | 1897 | 1897 | 1895 | 1886 |
| 12.5 | 1860 | 1856 | 1843 | 1835 | 1840 | 1845 | 1856 | 1871 | 1872 | 1881 | 1875 | 1873 | 1878 | 1871 | 1871 | 1872 | 1860 |
| 15 | 1827 | 1820 | 1807 | 1796 | 1800 | 1806 | 1823 | 1839 | 1843 | 1852 | 1848 | 1842 | 1848 | 1842 | 1840 | 1840 | 1827 |
| 17.5 | 1791 | 1783 | 1764 | 1754 | 1760 | 1761 | 1781 | 1803 | 1810 | 1816 | 1811 | 1810 | 1813 | 1807 | 1806 | 1803 | 1791 |
| 20 | 1747 | 1737 | 1719 | 1705 | 1712 | 1718 | 1739 | 1758 | 1768 | 1774 | 1771 | 1770 | 1777 | 1767 | 1765 | 1762 | 1747 |
| 22.5 | 1703 | 1685 | 1667 | 1657 | 1659 | 1667 | 1689 | 1711 | 1721 | 1731 | 1731 | 1728 | 1735 | 1728 | 1719 | 1715 | 1703 |
| 25 | 1650 | 1634 | 1611 | 1601 | 1610 | 1613 | 1634 | 1660 | 1673 | 1679 | 1682 | 1685 | 1693 | 1679 | 1673 | 1663 | 1650 |
| 27.5 | 1592 | 1575 | 1559 | 1549 | 1554 | 1562 | 1582 | 1604 | 1617 | 1624 | 1630 | 1634 | 1646 | 1634 | 1621 | 1613 | 1592 |
| 30 | 1536 | 1515 | 1497 | 1489 | 1494 | 1502 | 1522 | 1542 | 1561 | 1572 | 1579 | 1582 | 1594 | 1581 | 1564 | 1552 | 1536 |
| 32.5 | 1470 | 1456 | 1435 | 1428 | 1440 | 1441 | 1458 | 1483 | 1497 | 1510 | 1520 | 1532 | 1545 | 1526 | 1509 | 1494 | 1470 |
| 35 | 1402 | 1388 | 1375 | 1365 | 1375 | 1383 | 1399 | 1415 | 1431 | 1444 | 1460 | 1474 | 1486 | 1467 | 1447 | 1427 | 1402 |
| 37.5 | 1337 | 1317 | 1307 | 1306 | 1316 | 1316 | 1330 | 1345 | 1360 | 1382 | 1402 | 1418 | 1425 | 1411 | 1388 | 1358 | 1337 |
| 40 | 1265 | 1251 | 1238 | 1238 | 1248 | 1249 | 1262 | 1280 | 1294 | 1311 | 1336 | 1353 | 1368 | 1346 | 1320 | 1293 | 1265 |
| 42.5 | 1196 | 1179 | 1175 | 1173 | 1177 | 1186 | 1196 | 1206 | 1219 | 1245 | 1274 | 1287 | 1298 | 1284 | 1252 | 1221 | 1196 |
| 45 | 1121 | 1105 | 1102 | 1104 | 1114 | 1115 | 1126 | 1138 | 1150 | 1173 | 1203 | 1225 | 1231 | 1216 | 1189 | 1149 | 1121 |
| 47.5 | 1046 | 1039 | 1035 | 1033 | 1042 | 1051 | 1053 | 1064 | 1075 | 1100 | 1130 | 1154 | 1164 | 1146 | 1117 | 1082 | 1046 |
| 50 | 977 | 966 | 961 | 961 | 968 | 977 | 987 | 989 | 999 | 1033 | 1062 | 1082 | 1091 | 1079 | 1045 | 1009 | 977 |
| 52.5 | 902 | 898 | 888 | 895 | 902 | 905 | 915 | 921 | 930 | 958 | 990 | 1016 | 1025 | 1006 | 979 | 934 | 902 |
| 55 | 827 | 824 | 823 | 823 | 830 | 839 | 843 | 847 | 853 | 882 | 915 | 942 | 951 | 934 | 906 | 866 | 827 |
| 57.5 | 758 | 751 | 749 | 757 | 767 | 767 | 777 | 775 | 778 | 814 | 846 | 869 | 881 | 866 | 833 | 793 | 758 |
| 60 | 685 | 680 | 677 | 687 | 698 | 696 | 705 | 709 | 709 | 741 | 771 | 798 | 810 | 794 | 767 | 726 | 685 |
| 62.5 | 611 | 615 | 615 | 620 | 631 | 634 | 634 | 636 | 636 | 673 | 700 | 734 | 748 | 725 | 693 | 654 | 611 |
| 65 | 546 | 545 | 546 | 561 | 568 | 569 | 569 | 563 | 562 | 601 | 636 | 667 | 680 | 664 | 623 | 582 | 546 |
| 67.5 | 474 | 476 | 484 | 499 | 513 | 506 | 500 | 499 | 496 | 529 | 565 | 607 | 615 | 597 | 558 | 517 | 474 |
| 70 | 405 | 414 | 421 | 441 | 455 | 453 | 435 | 429 | 425 | 465 | 499 | 543 | 559 | 535 | 491 | 448 | 405 |
| 72.5 | 342 | 346 | 360 | 389 | 405 | 396 | 378 | 363 | 355 | 395 | 440 | 481 | 499 | 478 | 432 | 380 | 342 |
| 75 | 275 | 281 | 303 | 336 | 352 | 343 | 318 | 303 | 293 | 327 | 378 | 428 | 440 | 421 | 372 | 320 | 275 |
| 77.5 | 213 | 226 | 255 | 287 | 303 | 297 | 269 | 239 | 228 | 269 | 321 | 372 | 391 | 366 | 314 | 258 | 213 |
| 80 | 160 | 169 | 208 | 245 | 264 | 251 | 219 | 182 | 167 | 209 | 272 | 320 | 340 | 318 | 261 | 199 | 160 |
| 82.5 | 107 | 124 | 164 | 205 | 223 | 210 | 174 | 134 | 117 | 156 | 223 | 277 | 293 | 271 | 216 | 147 | 107 |
| 85 | 62 | 84 | 130 | 167 | 186 | 173 | 138 | 91 | 69 | 114 | 179 | 232 | 254 | 232 | 173 | 107 | 62 |
| 87.5 | 30 | 53 | 95 | 134 | 153 | 140 | 104 | 59 | 35 | 78 | 143 | 192 | 212 | 190 | 137 | 71 | 30 |
| 90 | 19 | 33 | 69 | 105 | 121 | 108 | 73 | 36 | 19 | 49 | 107 | 157 | 173 | 153 | 102 | 45 | 19 |
| 92.5 | 17 | 26 | 53 | 82 | 97 | 85 | 56 | 26 | 17 | 35 | 79 | 125 | 143 | 124 | 76 | 32 | 17 |
| 95 | 19 | 24 | 43 | 69 | 81 | 71 | 45 | 24 | 19 | 30 | 63 | 101 | 117 | 101 | 61 | 27 | 19 |
| 97.5 | 22 | 26 | 40 | 59 | 69 | 59 | 40 | 24 | 20 | 30 | 53 | 85 | 98 | 84 | 52 | 29 | 22 |
| 100 | 23 | 27 | 42 | 56 | 63 | 56 | 40 | 26 | 23 | 32 | 52 | 75 | 86 | 75 | 50 | 29 | 23 |
| 102.5 | 23 | 29 | 42 | 56 | 62 | 56 | 40 | 27 | 24 | 33 | 53 | 73 | 81 | 72 | 50 | 30 | 23 |
| 105 | 24 | 30 | 43 | 58 | 63 | 56 | 42 | 29 | 24 | 35 | 53 | 72 | 79 | 72 | 52 | 32 | 24 |
| 107.5 | 24 | 32 | 43 | 58 | 63 | 56 | 42 | 30 | 26 | 36 | 53 | 72 | 79 | 72 | 52 | 35 | 24 |
| 110 | 26 | 33 | 45 | 58 | 63 | 58 | 43 | 32 | 26 | 37 | 55 | 72 | 79 | 72 | 53 | 36 | 26 |
| 112.5 | 26 | 35 | 45 | 58 | 62 | 58 | 45 | 35 | 26 | 39 | 55 | 72 | 79 | 71 | 53 | 37 | 26 |
| 115 | 26 | 35 | 46 | 58 | 62 | 56 | 45 | 36 | 26 | 40 | 56 | 72 | 78 | 71 | 55 | 39 | 26 |
| 117.5 | 26 | 36 | 48 | 58 | 61 | 56 | 46 | 37 | 27 | 40 | 56 | 71 | 76 | 71 | 55 | 40 | 26 |
| 120 | 27 | 36 | 48 | 56 | 61 | 56 | 48 | 37 | 27 | 42 | 56 | 69 | 75 | 69 | 55 | 42 | 27 |
| 122.5 | 27 | 36 | 48 | 56 | 61 | 56 | 49 | 39 | 27 | 42 | 55 | 69 | 73 | 68 | 56 | 43 | 27 |
| 125 | 27 | 36 | 48 | 56 | 61 | 56 | 49 | 39 | 29 | 42 | 55 | 68 | 72 | 68 | 56 | 43 | 27 |
| 127.5 | 29 | 36 | 48 | 56 | 59 | 58 | 50 | 39 | 29 | 42 | 53 | 66 | 71 | 68 | 56 | 43 | 29 |
| 130 | 29 | 35 | 48 | 56 | 59 | 58 | 52 | 39 | 30 | 42 | 53 | 65 | 71 | 66 | 56 | 45 | 29 |
| 132.5 | 29 | 35 | 48 | 55 | 59 | 58 | 53 | 39 | 30 | 40 | 52 | 65 | 69 | 66 | 58 | 45 | 29 |
| 135 | 29 | 33 | 46 | 55 | 59 | 58 | 53 | 39 | 30 | 39 | 52 | 63 | 69 | 65 | 59 | 43 | 29 |
| 137.5 | 29 | 32 | 45 | 55 | 59 | 58 | 55 | 39 | 29 | 37 | 50 | 61 | 68 | 65 | 61 | 43 | 29 |
| 140 | 29 | 32 | 43 | 55 | 59 | 55 | 55 | 37 | 29 | 36 | 49 | 59 | 66 | 65 | 61 | 40 | 29 |
| 142.5 | 29 | 30 | 40 | 53 | 61 | 61 | 52 | 36 | 29 | 35 | 48 | 59 | 65 | 65 | 61 | 40 | 29 |



RELEASE FOR
CONSTRUCTION
AS NOTED ON PLANS REVIEW
DEVELOPMENT SERVICES
LEE'S SUMMIT, MISSOURI

| | | | | | | | | | | | | | | | | | |
|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 145 | 29 | 29 | 37 | 52 | 61 | 61 | 49 | 36 | 29 | 33 | 43 | 58 | 66 | 66 | 59 | 39 | 29 |
| 147.5 | 29 | 29 | 35 | 49 | 62 | 59 | 46 | 35 | 29 | 32 | 40 | 56 | 68 | 66 | 56 | 37 | 29 |
| 150 | 29 | 29 | 32 | 43 | 59 | 55 | 43 | 33 | 29 | 32 | 37 | 52 | 68 | 65 | 52 | 37 | 29 |
| 152.5 | 29 | 29 | 30 | 39 | 53 | 50 | 42 | 33 | 29 | 32 | 36 | 48 | 65 | 62 | 49 | 36 | 29 |
| 155 | 29 | 29 | 29 | 33 | 48 | 46 | 39 | 33 | 29 | 30 | 33 | 42 | 59 | 58 | 46 | 36 | 29 |
| 157.5 | 30 | 29 | 27 | 30 | 42 | 43 | 37 | 33 | 30 | 30 | 32 | 36 | 53 | 52 | 43 | 35 | 30 |
| 160 | 30 | 29 | 27 | 27 | 39 | 39 | 37 | 32 | 30 | 30 | 30 | 32 | 46 | 46 | 40 | 35 | 30 |
| 162.5 | 30 | 29 | 27 | 24 | 35 | 36 | 36 | 32 | 30 | 30 | 29 | 29 | 42 | 42 | 39 | 33 | 30 |
| 165 | 30 | 29 | 26 | 23 | 32 | 35 | 33 | 32 | 30 | 30 | 29 | 26 | 37 | 39 | 36 | 33 | 30 |
| 167.5 | 30 | 29 | 26 | 22 | 29 | 32 | 32 | 30 | 30 | 30 | 29 | 23 | 35 | 36 | 35 | 32 | 30 |
| 170 | 30 | 29 | 26 | 20 | 26 | 30 | 30 | 30 | 30 | 30 | 27 | 22 | 30 | 33 | 32 | 30 | 30 |
| 172.5 | 30 | 29 | 26 | 20 | 22 | 27 | 29 | 30 | 30 | 30 | 27 | 20 | 26 | 30 | 30 | 30 | 30 |
| 175 | 30 | 30 | 27 | 20 | 14 | 24 | 27 | 30 | 30 | 30 | 27 | 20 | 19 | 27 | 29 | 30 | 30 |
| 177.5 | 30 | 30 | 27 | 22 | 10 | 23 | 27 | 30 | 30 | 30 | 27 | 20 | 12 | 24 | 27 | 30 | 30 |
| 180 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |

RELEASE FOR
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09/15/2021

OW5524 – SHINE™



Type:

Project:

VisaLighting.com/products/Shine

Fill in shaded boxes using information listed below

Order Code: **OW5524**

MODEL

A SOURCE- **MVOLT**

VOLTAGE

B FINISH**C** OPTION(S)

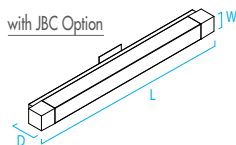
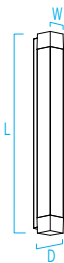
Shine is an ideal outdoor fixture with versatile features including horizontal or vertical mounting, LED sources, 4 size options, and end accents that can be painted in one of 16 standard colors to accent any facade.

DIMENSIONS

Depth is measured from wall to front of fixture

L = Length W = Width D = Depth

L 19" (483 mm)
 W 3" (76 mm)
 D 4" (102 mm)
 D 4.25" (108 mm)
 (with JBC option)

**A** SOURCE (Select one) and VOLTAGE

MVOLT fixture accepts 120 through 277 input voltage
 Dimmable 0-10V to 1%
 80CRI, within 3-step MacAdam

| Sources | CCT | Delivered Lumens | Power (Watts) | Voltage |
|---------|-------|------------------|---------------|---------|
| • L30K | 3000K | 1000 | 11 | MVOLT |
| • L35K | 3500K | | | |
| • L40K | 4000K | | | |

B FINISHES (Select one)

See page 2 for color chart

Powder Coat Painted Finishes (Standard)

| | | | |
|--------------------------|-----------------------------|--------------------------|-----------------------------|
| AG7038 Agate Grey | CVBL Cove Blue | GW9002 Grey White | PB1035 Pearl Beige |
| BMAT Bronze Matte | CW9001 Cream White | HTHR Heather | RUST Rust |
| BRNZ Bronze | GLIM Glimmer | JB9005 Jet Black | SUNG Sungold |
| BSIL Blade Silver | GSIL Graphite Silver | OBRZ Old Bronze | TW9016 Traffic White |

C OPTIONS (Multiple Selections Allowed)

⚠ Option availability may be interdependent with Voltage, Source or Other Options

- JBC** Junction box cover (4-1/2" square) for use with an existing 4" octagonal junction box. Painted to match finish. Adds 1/4" to Depth (D dimension)
- XPS** Express 10 day shipping. Items marked with a bullet (•) are not available with XPS

**RELEASE FOR
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 DEVELOPMENT SERVICES
 LEE'S SUMMIT, MISSOURI**

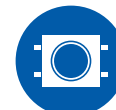
09/15/2021



ADA



XPS



LED



ETL Listed

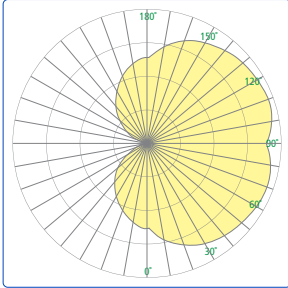


5 Year Warranty

OW5524 – SHINE



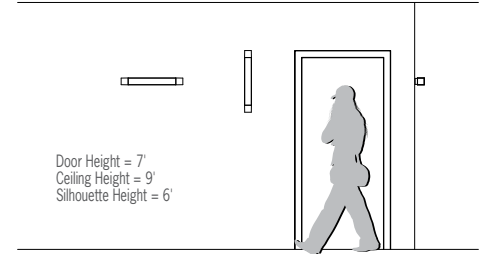
Photometrics



Technical Information

- Integral high power factor electronic power supply
- Modular design for replacement of LED source and power supply
- IP55 rated
- Vertical or horizontal mounting
- Surface mount to 2x4 junction box. Optional junction box cover (JBC option) available for 4" junction box
- Tamper resistant fasteners
- Cast and extruded aluminum construction
- Frosted 1/8" high impact grade acrylic
- No VOC powder coat paint finish
- ETL listed for wet location

Relative Scale Drawing



Specify color code when ordering. For accurate color matching, individual paint and finish samples are [available upon request](#)
For additional information see VisaLighting.com/materials-finishes

Painted Finishes (Standard)



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D-Series Size 1 LED Wall Luminaire

Catalog
Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

Location: Wall Packs on
Exterior Elevations

d^{series}

Specifications Luminaire

Width: 13-3/4" (34.9 cm) **Weight:** 12 lbs (5.4 kg)

Depth: 10" (25.4 cm)

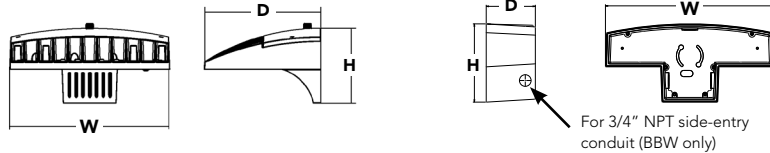
Height: 6-3/8" (16.2 cm)

Back Box (BBW, ELCW)

Width: 13-3/4" (34.9 cm) **BBW Weight:** 5 lbs (2.3 kg)

Depth: 4" (10.2 cm) **ELCW Weight:** 10 lbs (4.5 kg)

Height: 6-3/8" (16.2 cm)



Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DDBTXD

| DSXW1 LED | | | | | | | |
|-----------|--|---------------------------------|--------------------------------|---------------------------|--------------------|---|--|
| Series | LEDs | Drive Current | Color temperature | Distribution | Voltage | Mounting | Control Options |
| DSXW1 LED | 10C 10 LEDs (one engine) | 350 350 mA | 30K 3000 K | T2S Type II Short | MVOLT ² | Shipped included (blank) Surface mounting bracket BBW Surface-mounted back box (for conduit entry) ⁵ | Shipped installed PE Photoelectric cell, button type ⁶ DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) PIR 180° motion/ambient light sensor, <15' mtg ht ^{1,7} PIRH 180° motion/ambient light sensor, 15-30' mtg ht ^{1,7} PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{1,7} PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{1,7} ELCW Emergency battery backup (includes external component enclosure), CA Title 20 Noncompliant ^{8,9} |
| | 20C 20 LEDs (two engines) ¹ | 530 530 mA | 40K 4000 K | T2M Type II Medium | 120 ³ | | |
| | | 700 700 mA | 50K 5000 K | T3S Type III Short | 208 ³ | | |
| | | 1000 1000 mA (1 A) ¹ | AMBPC Amber phosphor converted | T3M Type III Medium | 240 ³ | | |
| | | | | T4M Type IV Medium | 277 ³ | | |
| | | | | TFTM Forward Throw Medium | 347 ^{3,4} | | |
| | | | | | 480 ^{3,4} | | |

| Other Options | | Finish (required) | | | |
|--------------------------|--|---|-----------------------|--------|---------------------------|
| Shipped installed | | Shipped separately ¹¹ | | | |
| SF | Single fuse (120, 277 or 347V) ^{3,10} | BSW | Bird-deterrent spikes | DDBXD | Dark bronze |
| DF | Double fuse (208, 240 or 480V) ^{3,10} | VG | Vandal guard | DBLXD | Black |
| HS | House-side shield ¹¹ | DDL | Diffused drop lens | DNAXD | Natural aluminum |
| SPD | Separate surge protection ¹² | | | DWHXD | White |
| | | | | DSSXD | Sandstone |
| | | | | DDBTXD | Textured dark bronze |
| | | | | DBLBXD | Textured black |
| | | | | DNATXD | Textured natural aluminum |
| | | | | DWHGXD | Textured white |
| | | | | DSSTXD | Textured sandstone |

Accessories

Ordered and shipped separately.

| | |
|-----------|--|
| DSXWHS U | House-side shield (one per light engine) |
| DSXWBSW U | Bird-deterrent spikes |
| DSXWTVG U | Vandal guard accessory |

NOTES

- 20C 1000 is not available with PIR, PIRH, PIR1FC3V or PIRH1FC3V.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Only available with 20C, 700mA or 1000mA. Not available with PIR or PIRH.
- Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory.
- Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
- Reference Motion Sensor table on page 3.
- Cold weather (-20C) rated. Not compatible with conduit entry applications. Not available with BBW mounting option. Not available with fusing. Not available with 347 or 480 voltage options. Emergency components located in back box housing. Emergency mode IES files located on product page at www.lithonia.com
- Not available with SPD.
- Not available with ELCW.
- Also available as a separate accessory; see Accessories information.
- Not available with ELCW.

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DSXW1-LED
Rev. 10/20/20

09/15/2021



COMMERCIAL OUTDOOR

One Lithonia Way • Conyers, Georgia 30012 • Phone: 1-800-705-SERV (7378) • www.lithonia.com
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Performance Data

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Contact factory for performance data on any configurations not shown here.

| LEDs | Drive Current (mA) | System Watts | Dist. Type | 30K (3000 K, 70CRI) | | | | | 40K (4000 K, 70CRI) | | | | | 50K (5000 K, 70CRI) | | | | | AMBPC (Amber Phosphor Converted) | | | | |
|------------------|--------------------|--------------|------------|---------------------|---|---|---|-----|---------------------|---|---|---|-----|---------------------|---|---|---|-----|----------------------------------|---|---|---|-----|
| | | | | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW | Lumens | B | U | G | LPW |
| 10C (10 LEDs) | 350mA | 13W | T2S | 1,415 | 0 | 0 | 1 | 109 | 1,520 | 0 | 0 | 1 | 117 | 1,530 | 0 | 0 | 1 | 118 | 894 | 0 | 0 | 1 | 69 |
| | | | T2M | 1,349 | 0 | 0 | 1 | 104 | 1,448 | 0 | 0 | 1 | 111 | 1,458 | 0 | 0 | 1 | 112 | 852 | 0 | 0 | 1 | 66 |
| | | | T3S | 1,399 | 0 | 0 | 1 | 108 | 1,503 | 0 | 0 | 1 | 116 | 1,512 | 0 | 0 | 1 | 116 | 884 | 0 | 0 | 1 | 68 |
| | | | T3M | 1,385 | 0 | 0 | 1 | 107 | 1,488 | 0 | 0 | 1 | 114 | 1,497 | 0 | 0 | 1 | 115 | 876 | 0 | 0 | 1 | 67 |
| | | | T4M | 1,357 | 0 | 0 | 1 | 104 | 1,458 | 0 | 0 | 1 | 112 | 1,467 | 0 | 0 | 1 | 113 | 858 | 0 | 0 | 1 | 66 |
| | 530 mA | 19W | TFTM | 1,411 | 0 | 0 | 1 | 109 | 1,515 | 0 | 0 | 1 | 117 | 1,525 | 0 | 0 | 1 | 117 | 892 | 0 | 0 | 1 | 69 |
| | | | T2S | 2,053 | 1 | 0 | 1 | 108 | 2,205 | 1 | 0 | 1 | 116 | 2,220 | 1 | 0 | 1 | 117 | 1,264 | 0 | 0 | 1 | 67 |
| | | | T2M | 1,957 | 1 | 0 | 1 | 103 | 2,102 | 1 | 0 | 1 | 111 | 2,115 | 1 | 0 | 1 | 111 | 1,205 | 0 | 0 | 1 | 63 |
| | | | T3S | 2,031 | 1 | 0 | 1 | 107 | 2,181 | 1 | 0 | 1 | 115 | 2,194 | 1 | 0 | 1 | 115 | 1,250 | 0 | 0 | 1 | 66 |
| | | | T3M | 2,010 | 1 | 0 | 1 | 106 | 2,159 | 1 | 0 | 1 | 114 | 2,172 | 1 | 0 | 1 | 114 | 1,237 | 0 | 0 | 1 | 65 |
| | 700 mA | 26W | T4M | 1,970 | 1 | 0 | 1 | 104 | 2,115 | 1 | 0 | 1 | 111 | 2,129 | 1 | 0 | 1 | 112 | 1,212 | 0 | 0 | 1 | 64 |
| | | | TFTM | 2,047 | 0 | 0 | 1 | 108 | 2,198 | 1 | 0 | 1 | 116 | 2,212 | 1 | 0 | 1 | 116 | 1,260 | 0 | 0 | 1 | 66 |
| | | | T2S | 2,623 | 1 | 0 | 1 | 101 | 2,816 | 1 | 0 | 1 | 108 | 2,834 | 1 | 0 | 1 | 109 | 1,544 | 0 | 0 | 1 | 59 |
| | | | T2M | 2,499 | 1 | 0 | 1 | 96 | 2,684 | 1 | 0 | 1 | 103 | 2,701 | 1 | 0 | 1 | 104 | 1,472 | 0 | 0 | 1 | 57 |
| | | | T3S | 2,593 | 1 | 0 | 1 | 100 | 2,785 | 1 | 0 | 1 | 107 | 2,802 | 1 | 0 | 1 | 108 | 1,527 | 0 | 0 | 1 | 59 |
| | 1000 mA | 39W | T3M | 2,567 | 1 | 0 | 1 | 99 | 2,757 | 1 | 0 | 1 | 106 | 2,774 | 1 | 0 | 1 | 107 | 1,512 | 0 | 0 | 1 | 58 |
| | | | T4M | 2,515 | 1 | 0 | 1 | 97 | 2,701 | 1 | 0 | 1 | 104 | 2,718 | 1 | 0 | 1 | 105 | 1,481 | 0 | 0 | 1 | 57 |
| | | | TFTM | 2,614 | 1 | 0 | 1 | 101 | 2,808 | 1 | 0 | 1 | 108 | 2,825 | 1 | 0 | 1 | 109 | 1,539 | 0 | 0 | 1 | 59 |
| | | | T2S | 3,685 | 1 | 0 | 1 | 94 | 3,957 | 1 | 0 | 1 | 101 | 3,982 | 1 | 0 | 1 | 102 | 2,235 | 1 | 0 | 1 | 57 |
| | | | T2M | 3,512 | 1 | 0 | 1 | 90 | 3,771 | 1 | 0 | 1 | 97 | 3,794 | 1 | 0 | 1 | 97 | 2,130 | 1 | 0 | 1 | 55 |
| 20C (20 LEDs) | 350mA | 23W | T3S | 3,644 | 1 | 0 | 1 | 93 | 3,913 | 1 | 0 | 1 | 100 | 3,938 | 1 | 0 | 1 | 101 | 2,210 | 1 | 0 | 1 | 57 |
| | | | T3M | 3,607 | 1 | 0 | 1 | 92 | 3,873 | 1 | 0 | 1 | 99 | 3,898 | 1 | 0 | 1 | 100 | 2,187 | 1 | 0 | 1 | 56 |
| | | | T4M | 3,534 | 1 | 0 | 2 | 91 | 3,796 | 1 | 0 | 2 | 97 | 3,819 | 1 | 0 | 2 | 98 | 2,143 | 1 | 0 | 1 | 55 |
| | | | TFTM | 3,673 | 1 | 0 | 1 | 94 | 3,945 | 1 | 0 | 1 | 101 | 3,969 | 1 | 0 | 1 | 102 | 2,228 | 1 | 0 | 1 | 57 |
| | 530 mA | 35W | T2S | 2,820 | 1 | 0 | 1 | 123 | 3,028 | 1 | 0 | 1 | 132 | 3,047 | 1 | 0 | 1 | 132 | 1,777 | 1 | 0 | 1 | 77 |
| | | | T2M | 2,688 | 1 | 0 | 1 | 117 | 2,886 | 1 | 0 | 1 | 125 | 2,904 | 1 | 0 | 1 | 126 | 1,693 | 1 | 0 | 1 | 74 |
| | | | T3S | 2,789 | 1 | 0 | 1 | 121 | 2,994 | 1 | 0 | 1 | 130 | 3,014 | 1 | 0 | 1 | 131 | 1,757 | 0 | 0 | 1 | 76 |
| | | | T3M | 2,760 | 1 | 0 | 1 | 120 | 2,965 | 1 | 0 | 1 | 129 | 2,983 | 1 | 0 | 1 | 130 | 1,739 | 1 | 0 | 1 | 76 |
| | | | T4M | 2,704 | 1 | 0 | 1 | 118 | 2,905 | 1 | 0 | 1 | 126 | 2,922 | 1 | 0 | 1 | 127 | 1,704 | 1 | 0 | 1 | 74 |
| | 700 mA | 46W | TFTM | 2,811 | 1 | 0 | 1 | 122 | 3,019 | 1 | 0 | 1 | 131 | 3,038 | 1 | 0 | 1 | 132 | 1,771 | 0 | 0 | 1 | 77 |
| | | | T2S | 4,079 | 1 | 0 | 1 | 117 | 4,380 | 1 | 0 | 1 | 125 | 4,407 | 1 | 0 | 1 | 126 | 2,504 | 1 | 0 | 1 | 72 |
| | | | T2M | 3,887 | 1 | 0 | 1 | 111 | 4,174 | 1 | 0 | 1 | 119 | 4,201 | 1 | 0 | 1 | 120 | 2,387 | 1 | 0 | 1 | 68 |
| | | | T3S | 4,033 | 1 | 0 | 1 | 115 | 4,331 | 1 | 0 | 1 | 124 | 4,359 | 1 | 0 | 1 | 125 | 2,477 | 1 | 0 | 1 | 71 |
| | | | T3M | 3,993 | 1 | 0 | 2 | 114 | 4,288 | 1 | 0 | 2 | 123 | 4,315 | 1 | 0 | 2 | 123 | 2,451 | 1 | 0 | 1 | 70 |
| | 1000 mA | 73W | T4M | 3,912 | 1 | 0 | 2 | 112 | 4,201 | 1 | 0 | 2 | 120 | 4,227 | 1 | 0 | 2 | 121 | 2,402 | 1 | 0 | 1 | 69 |
| | | | TFTM | 4,066 | 1 | 0 | 2 | 116 | 4,366 | 1 | 0 | 2 | 125 | 4,394 | 1 | 0 | 2 | 126 | 2,496 | 1 | 0 | 1 | 71 |
| | | | T2S | 5,188 | 1 | 0 | 1 | 113 | 5,572 | 1 | 0 | 1 | 121 | 5,607 | 1 | 0 | 1 | 122 | 3,065 | 1 | 0 | 1 | 67 |
| | | | T2M | 4,945 | 1 | 0 | 2 | 108 | 5,309 | 1 | 0 | 2 | 115 | 5,343 | 1 | 0 | 2 | 116 | 2,921 | 1 | 0 | 1 | 64 |
| | | | T3S | 5,131 | 1 | 0 | 2 | 112 | 5,510 | 1 | 0 | 2 | 120 | 5,544 | 1 | 0 | 2 | 121 | 3,031 | 1 | 0 | 1 | 66 |
| | 530 mA | 35W | T3M | 5,078 | 1 | 0 | 2 | 110 | 5,454 | 1 | 0 | 2 | 119 | 5,487 | 1 | 0 | 2 | 119 | 3,000 | 1 | 0 | 1 | 65 |
| | | | T4M | 4,975 | 1 | 0 | 2 | 108 | 5,343 | 1 | 0 | 2 | 116 | 5,376 | 1 | 0 | 2 | 117 | 2,939 | 1 | 0 | 1 | 64 |
| | | | TFTM | 5,172 | 1 | 0 | 2 | 112 | 5,554 | 1 | 0 | 2 | 121 | 5,589 | 1 | 0 | 2 | 122 | 3,055 | 1 | 0 | 1 | 66 |
| | | | T2S | 7,204 | 1 | 0 | 2 | 99 | 7,736 | 2 | 0 | 2 | 106 | 7,784 | 2 | 0 | 2 | 107 | 4,429 | 1 | 0 | 1 | 61 |
| | | | T2M | 6,865 | 1 | 0 | 2 | 94 | 7,373 | 2 | 0 | 2 | 101 | 7,419 | 2 | 0 | 2 | 102 | 4,221 | 1 | 0 | 1 | 58 |
| | 700 mA | 46W | T3S | 7,125 | 1 | 0 | 2 | 98 | 7,651 | 1 | 0 | 2 | 105 | 7,698 | 1 | 0 | 2 | 105 | 4,380 | 1 | 0 | 1 | 60 |
| | | | T3M | 7,052 | 1 | 0 | 2 | 97 | 7,573 | 2 | 0 | 2 | 104 | 7,620 | 2 | 0 | 2 | 104 | 4,335 | 1 | 0 | 2 | 59 |
| | | | T4M | 6,909 | 1 | 0 | 2 | 95 | 7,420 | 1 | 0 | 2 | 102 | 7,466 | 1 | 0 | 2 | 102 | 4,248 | 1 | 0 | 2 | 58 |
| | | | TFTM | 7,182 | 1 | 0 | 2 | 98 | 7,712 | 1 | 0 | 2 | 106 | 7,761 | 1 | 0 | 2 | 106 | 4,415 | 1 | 0 | 2 | 60 |

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Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

| Ambient | | Lumen Multiplier |
|---------|-------|------------------|
| 0°C | 32°F | 1.02 |
| 10°C | 50°F | 1.01 |
| 20°C | 68°F | 1.00 |
| 25°C | 77°F | 1.00 |
| 30°C | 86°F | 1.00 |
| 40°C | 104°F | 0.98 |

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXW1 LED 20C 1000** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

| Operating Hours | 0 | 25,000 | 50,000 | 100,000 |
|--------------------------|-----|--------|--------|---------|
| Lumen Maintenance Factor | 1.0 | 0.95 | 0.93 | 0.88 |

Electrical Load

| LEDs | Drive Current (mA) | System Watts | Current (A) | | | | | |
|------|--------------------|--------------|-------------|------|------|------|------|------|
| | | | 120V | 208V | 240V | 277V | 347V | 480V |
| 10C | 350 | 14 W | 0.13 | 0.07 | 0.06 | 0.06 | - | - |
| | 530 | 20 W | 0.19 | 0.11 | 0.09 | 0.08 | - | - |
| | 700 | 27 W | 0.25 | 0.14 | 0.13 | 0.11 | - | - |
| | 1000 | 40 W | 0.37 | 0.21 | 0.19 | 0.16 | - | - |
| 20C | 350 | 24 W | 0.23 | 0.13 | 0.12 | 0.10 | - | - |
| | 530 | 36 W | 0.33 | 0.19 | 0.17 | 0.14 | - | - |
| | 700 | 47 W | 0.44 | 0.25 | 0.22 | 0.19 | 0.15 | 0.11 |
| | 1000 | 74 W | 0.69 | 0.40 | 0.35 | 0.30 | 0.23 | 0.17 |

Motion Sensor Default Settings

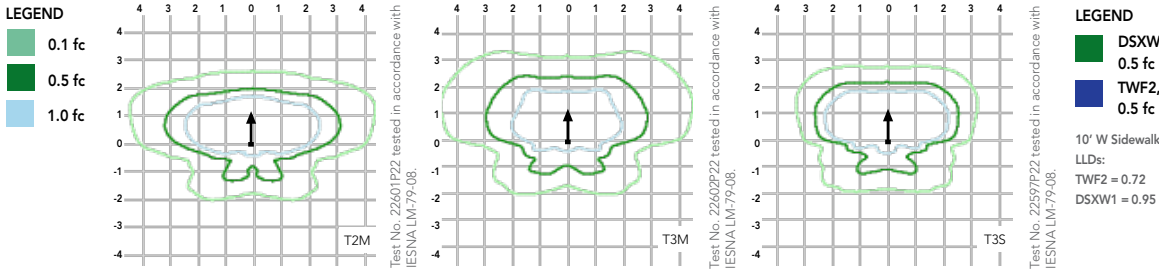
| Option | Dimmed State | High Level (when triggered) | Photocell Operation | Dwell Time | Ramp-up Time | Ramp-down Time |
|-----------------------|-----------------|-----------------------------|---------------------|------------|--------------|----------------|
| *PIR or PIRH | 3V (37%) Output | 10V (100%) Output | Enabled @ 5FC | 5 min | 3 sec | 5 min |
| PIR1FC3V or PIRH1FC3V | 3V (37%) Output | 10V (100%) Output | Enabled @ 1FC | 5 min | 3 sec | 5 min |

*for use with site wide Dusk to Dawn control

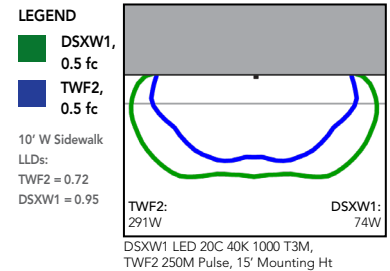
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Wall Size 1 homepage](#).

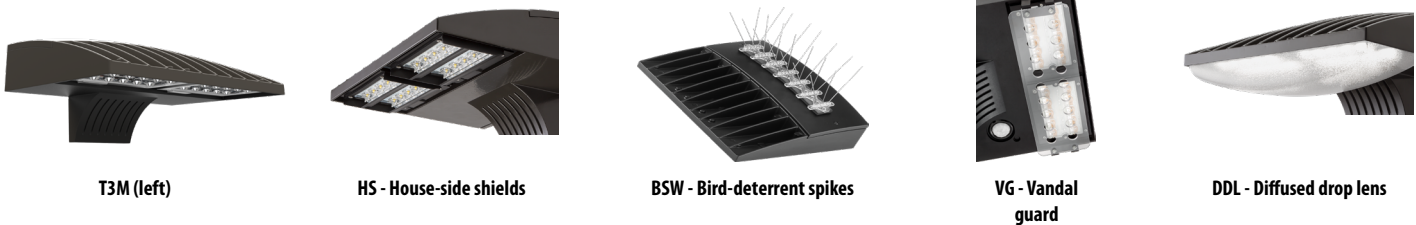
Isfootcandle plots for the DSXW1 LED 20C 1000 40K. Distances are in units of mounting height (15').



Distribution overlay comparison to 250W metal halide.



Options and Accessories



FEATURES & SPECIFICATIONS

INTENDED USE

The energy savings, long life and easy-to-install design of the D-Series Wall Size 1 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

CONSTRUCTION

Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in textured and non-textured finishes.

OPTICS

Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000 K (70 min. CRI), 4000 K (70 min. CRI) or 5000 K (70 min. CRI) configurations.

ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L88/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and a minimum 2.5KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

INSTALLATION

Included universal mounting bracket attaches securely to any 4" round or square outlet box for quick and easy installation. Luminaire has a slotted gasket wireway and attaches to the mounting bracket via corrosion-resistant screws.

LISTINGS

CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

Five-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions. Specifications subject to change without notice.

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