UTILITY COMPANIES AND GOVERI	NING AGENCIES:
AT&T RON GIPFERT 500 E. 8TH STREET, ROOM 1146 KANSAS CITY, MISSOURI 64106 (816) 275–1550 EMAIL: RG7910@ATT.COM EVERGY JEFF R. WILLIAMS- ENGINEER-CENTRAL DESIGN 401 SE BAILEY ROAD LEE'S SUMMIT, MO 64081 (816) 347–4310 EMAIL: JEFF.WILLIAMS@KCPL.COM CONSOLIDATED COMMUNICATIONS JOHN CASTILOW 14859 W. 95TH STREET LENEXA, KS 66215 (913) 322–9785 JOHN.CASTILOW@CONSOLIDATED.COM GOOGLE FIBER LAUREN MARCUCCI (913) 663–1900 LMARCUCCI@GOOGLE.COM	LEE'S SUMMIT R-7 SCHOOL DISTRICT KINZIE WOODERSON 301 NE TUDOR ROAD LEE'S SUMMIT, MO 64086 (816) 986-1050 KINZIE.WOODERSON@LRS7.NET LEE'S SUMMIT WATER UTILITIES 1200 SE HAMBLEN ROAD LEE'S SUMMIT, MO 64081 (816) 969-1900 WASTE WATER LEE'S SUMMIT WATER UTILITIES 1200 SE HAMBLEN ROAD LEE'S SUMMIT, MO 64081 (816) 969-1900 SPIRE GAS RICHARD FROCK 3025 SE CLOVER DRIVE LEE'S SUMMIT, MO 64082 (816) 472-3489 RICHARD.FROCK@SPIREENERGY.COM CHARTER/SPECTRUM TROY PREWITT 8221 W. 119TH STREET OVERLAND PARK, KS 66213 (816) 401-3573 TROY.PREWITT@CHARTER.COM
LEGEN	<u>1D</u>
<ul> <li>SECTION CORNER</li> <li>SET 1/2" REBAR W/LC 366 CAP</li> <li>FOUND MONUMENT AS NOTED</li> <li>FIRE HYDRANT</li> <li>WV WATER VALVE</li> <li>W WATER METER</li> <li>WATER METER PIT</li> <li>GV GAS VALVE</li> <li>GAS METER</li> <li>SPRINKLER BOX</li> <li>SANITARY SEWER MANHOLE</li> <li>TRAFFIC SIGNAL BOX</li> <li>TRAFFIC SIGNAL POLE</li> <li>F FIBER OPTIC BOX</li> <li>TELEVISION PEDESTAL</li> <li>TELEVISION BOOTH</li> </ul>	(M)       MEASURED         (P)       PLATTED         -P-OH-       OVERHEAD POWER LINE         -G       GAS LINE         -P-UG-       UNDERGROUND POWER LINE         -TEL       UNDERGROUND TELEPHONE LINE         -FO       UNDERGROUND FIBER OPTIC LINE         -SS       SANITARY SEWER LINE         -SD       STORM LINE         -W       WATER LINE         ①       TELEPHONE MANHOLE         IP       TELEPHONE CABINET         ③       STORM SEWER MANHOLE         ①       STORM SEWER MANHOLE

SCANNELL PROPERTIES #603, LLC

MITCH PLEAK

OLSSON

# PROPERTY DESCRIPTION

TELEVISION BOOTH

4"x4" WOOD POST

SPRINKLER VALVE

GRATE INLET

STEEL POST

BOLLARD

COLUMN

BOREHOLE

SIGN

TREE

OWNER/DEVELOPER

TB

<del>\_\_\_</del>

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⊠scv

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ALL THAT PART OF AN UNPLATTED TRACT OF LAND, TOGETHER WITH ALL THAT PART OF NORTH MAIN STREET RIGHT OF WAY, ALL LYING IN THE WEST HALF OF SECTION 31, TOWNSHIP 48 NORTH, RANGE 31 WEST, LYING IN THE CITY OF LEE'S SUMMIT, JACKSON COUNTY, MISSOURI, DESCRIBED BY PATRICK ETHAN WARD, MO PLS-20050071, OF OLSSON MOLC-366, ON OCTOBER 14, 2021, AS FOLLOWS:

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EM

ER

DEVELOPMENT TEAM CONTACT INFORMATION

CIVIL ENGINEER

BREAKER BOX

ELECTRIC METER

ELECTRIC RISER

TRANSFORMER

GUY WIRE

LIGHT POLE

⊙<sub>BU</sub> BUSH

POWER POLE

HIPP POWER POLE/W LIGHT

8801 RIVER CROSSING BOULEVARD, SUITE 300

INDIANAPOLIS, INDIANA 46240

7301 W 133RD STREET

SUITE 200

OVERLAND PARK, KS 66213

PH: 913-381-1170

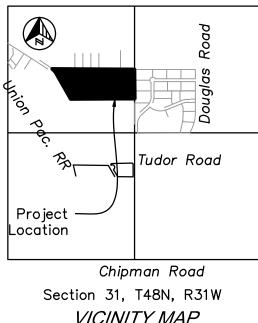
mpleak@olsson.com

BEGINNING AT THE NORTHEAST CORNER OF THE SOUTHWEST QUARTER OF SECTION 31, TOWNSHIP 48 NORTH, RANGE 31 WEST; THENCE SOUTH 01 DEGREE 59 MINUTES 47 SECONDS WEST, ON THE EAST LINE OF SAID SOUTHWEST QUARTER, A DISTANCE OF 65.98 FEET TO A POINT ON THE WEST LINE OF NW SLOAN STREET RIGHT OF WAY, AS ESTABLISHED IN DOCUMENT 2013E0075031 SAID POINT ALSO LYING ON A NON-TANGENT CURVE; THENCE IN A SOUTHERLY DIRECTION, DEPARTING SAID EAST LINE, ON SAID WEST LINE AND ON A CURVE TO THE RIGHT WHOSE INITIAL TANGENT BEARS SOUTH 02 DEGREES 47 MINUTES 37 SECONDS WEST HAVING A RADIUS OF 970.00 FEET, THROUGH A CENTRAL ANGLE OF 6 DEGREES 27 MINUTES 07 SECONDS, AN ARC DISTANCE OF 109.23 FEET TO A POINT OF TANGENCY; THENCE SOUTH 09 DEGREES 14 MINUTES 44 SECONDS WEST, CONTINUING ON SAID WEST LINE, A DISTANCE OF 111.80 FEET TO A POINT OF CURVATURE; THENCE IN A SOUTHERLY DIRECTION, CONTINUING ON SAID WEST LINE AND ON A CURVE TO THE LEFT, HAVING A RADIUS OF 1030.00 FEET, THROUGH A CENTRAL ANGLE OF 7 DEGREES 14 MINUTES 57 SECONDS, AN ARC DISTANCE OF 130.32 FEET TO A POINT OF TANGENCY: THENCE SOUTH 01 DEGREE 59 MINUTES 47 SECONDS WEST, CONTINUING ON SAID WEST LINE, A DISTANCE OF 69.49 FEET TO A POINT ON THE NORTH LINE OF NE TUDOR ROAD RIGHT OF WAY, AS ESTABLISHED IN SAID DOCUMENT 2013E0075031; THENCE SOUTH 46 DEGREES 15 MINUTES 48 SECONDS WEST, DEPARTING SAID WEST LINE. ON SAID NORTH LINE. A DISTANCE OF 46.09 FEET TO A POINT: THENCE NORTH 89 DEGREES 24 MINUTES 16 SECONDS WEST, CONTINUING ON SAID NORTH LINE, AND ON THE NORTH LINE OF NW TUDOR ROAD RIGHT OF WAY, AS ESTABLISHED IN DOCUMENT 2013E0075030, A DISTANCE OF 1249.23 FEET TO A POINT ON THE EAST LINE OF UNION PACIFIC RAILROAD RIGHT OF WAY, AS NOW ESTABLISHED, SAID POINT ALSO LYING ON A NON-TANGENT CURVE; THENCE IN A NORTHERLY AND NORTHWESTERLY DIRECTION, DEPARTING SAID NORTH LINE, ON SAID EAST LINE AND ON A CURVE TO THE LEFT WHOSE INITIAL TANGENT BEARS NORTH 15 DEGREES 46 MINUTES 27 SECONDS WEST, HAVING A RADIUS OF 3203.90 FEET, THROUGH A CENTRAL ANGLE OF 22 DEGREES 48 MINUTES 11 SECONDS, AN ARC DISTANCE OF 1275.12 FEET TO A POINT OF TANGENCY; THENCE NORTH 38 DEGREES 34 MINUTES 39 SECONDS WEST, CONTINUING ON SAID EAST LINE, A DISTANCE OF 738.40 FEET TO A POINT OF CURVATURE; THENCE IN A NORTHWESTERLY DIRECTION, CONTINUING ON SAID EAST LINE AND ON A CURVE TO THE RIGHT, HAVING A RADIUS OF 5981.13 FEET, THROUGH A CENTRAL ANGLE OF 2 DEGREES 39 MINUTES 22 SECONDS, AN ARC DISTANCE OF 277.27 FEET TO A POINT ON THE NORTH LINE OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF SAID SECTION 31, SAID POINT ALSO LYING ON A NON-TANGENT LINE: THENCE SOUTH 87 DEGREES 40 MINUTES 30 SECONDS EAST, DEPARTING SAID EAST LINE, ON SAID NORTH LINE, A DISTANCE OF 884.17 FEET TO A POINT ON A NON-TANGENT CURVE; THENCE IN A SOUTHEASTERLY DIRECTION, DEPARTING SAID NORTH LINE, ON A CURVE TO THE RIGHT WHOSE INITIAL TANGENT BEARS SOUTH 45 DEGREES 29 MINUTES 38 SECONDS EAST, HAVING A RADIUS OF 544.00 FEET, THROUGH A CENTRAL ANGLE OF 16 DEGREES 50 MINUTES 44 SECONDS, AN ARC DISTANCE OF 159.94 FEET TO A POINT OF TANGENCY; THENCE SOUTH 28 DEGREES 38 MINUTES 55 SECONDS EAST A DISTANCE OF 437.58 FEET TO A POINT OF CURVATURE; THENCE IN A SOUTHEASTERLY AND EASTERLY DIRECTION, ON A CURVE TO THE LEFT, HAVING A RADIUS OF 476.00 FEET. THROUGH A CENTRAL ANGLE OF 63 DEGREES 19 MINUTES 59 SECONDS. AN ARC DISTANCE OF 526.16 FEET TO A POINT OF TANGENCY; THENCE NORTH 88 DEGREES 01 MINUTE 06 SECONDS EAST A DISTANCE OF 416.85 FEET TO A POINT OF CURVATURE; THENCE IN AN EASTERLY AND SOUTHEASTERLY DIRECTION, ON A CURVE TO THE RIGHT, HAVING A RADIUS OF 544.00 FEET, THROUGH A CENTRAL ANGLE OF 65 DEGREES 51 MINUTES 08 SECONDS, AN ARC DISTANCE OF 625.24 FEET TO A POINT ON A NON-TANGENT LINE, SAID POINT ALSO LYING ON THE EAST LINE OF SAID NORTHWEST QUARTER; THENCE SOUTH 01 DEGREE 53 MINUTES 30 SECONDS WEST, ON SAID EAST LINE, A DISTANCE OF 338.00 FEET TO THE POINT OF BEGINNING, CONTAINING 2,375,437 SQUARE FEET OR 54.5325 ACRES, MORE OR LESS.

# SCANNELL DEVELOPMENT LEE'S SUMMIT LOGISTICS FINAL DEVELOPMENT PLAN - BUILDING 3 AN UNPLATTED PARCEL IN THE WEST HALF OF SECTION 31, TOWNSHIP 48

NORTH, RANGE 31 WEST, IN THE CITY OF LEE'S SUMMIT, JACKSON COUNTY, MISSOURI



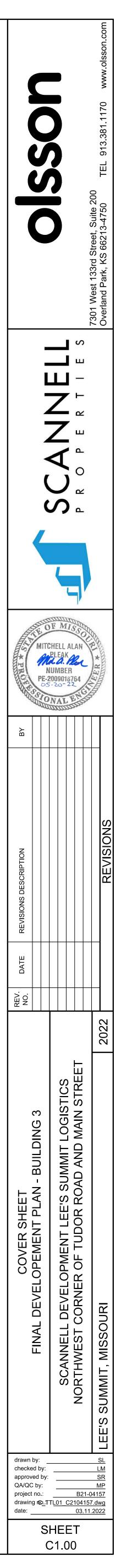


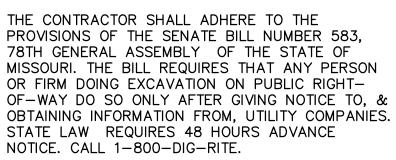
VICINITY MAP Scale: 1" = 2000'

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C1.01	GENERAL NOTES
C2.00	GENERAL LAYOUT PLAN
C3.00	TYPICAL ROADWAY & PAVEMENT SECTIONS
C4.00	OVERALL DIMENSION PLAN
C4.01	DIMENSION PLAN
C4.02	DIMENSION PLAN
C4.03	DIMENSION PLAN
C5.00	OVERALL GRADING PLAN
C5.01	GRADING PLAN
C5.02	GRADING PLAN
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C6.00	OVERALL UTILITY PLAN
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C7.00	OVERALL STORM PLAN
C7.01	STORM PLAN & PROFILE LINE A
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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, & OBTAINING INFORMATION FROM, UTILITY COMPANIES. STATE LAW REQUIRES 48 HOURS ADVANCE NOTICE. CALL 1-800-DIG-RITE.





**GENERAL NOTES:** 1. THE EXISTING UTILITY LOCATIONS SHOWN ON THE PLANS ARE APPROXIMATE AND MAY NOT INCLUDE ALL LINES PRESENT. THE CONTRACTOR SHALL BE RESPONSIBLE TO CALL "1-800-DIG-RITE", 1(800)344-7483, OR 811 AND COORDINATE FIELD LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO BEGINNING GRADING ACTIVITIES. !!STOP!! CALL BEFORE YOU DIG!! 2. THE CONTRACTOR SHALL NOT CHANGE OR DEVIATE FROM THE PLANS WITHOUT FIRST OBTAINING WRITTEN APPROVAL FROM THE OWNER AND ENGINEER. 3. ALL WORK AND MATERIALS SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE OWNER OR THE OWNER'S REPRESENTATIVE. 4. ALL ESTIMATES OF QUANTITIES ARE FOR INFORMATION PURPOSES ONLY. CONTRACTOR AND SUBCONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING ALL QUANTITIES AND FOR BRINGING THE PROJECT TO THE LINES AND GRADES SHOWN HEREIN. CONTRACTOR SHALL PROVIDE ALL WORK AND MATERIALS REQUIRED TO COMPLETE THE WORK SHOWN IN THESE PLANS. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE EARTHWORK QUANTITIES AND TO ACCOUNT FOR HAUL IN OR HAUL OFF OF MATERIAL AS NECESSARY TO MEET THE LINES AND GRADES OF THE PLANS EVEN IF QUANTITY ESTIMATES ARE SHOWN WITHIN THESE DOCUMENTS. NO ADDITIONAL PAYMENTS WILL BE MADE FOR IMPORT OR EXPORT OF MATERIAL OR FOR ADJUSTMENTS TO QUANTITY ESTIMATES. 5. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE CITY OF LEE'S SUMMIT, EXCEPT WHERE SHOWN OTHERWISE. NOTIFY ENGINEER OF DISCREPANCIES. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS, PAYING ALL FEES AND FOR OTHERWISE COMPLYING WITH ALL APPLICABLE REGULATIONS GOVERNING THE WORK. 7. THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS OF MISSOURI STATE LAW WHICH 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. 8. 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. 9. THE CONTRACTOR SHALL PROTECT ALL MAJOR TREES SHOWN TO REMAIN FROM DAMAGE. NO TREE SHALL BE REMOVED WITHOUT PERMISSION OF THE OWNER, UNLESS SHOWN FOR REMOVAL ON THESE PLANS. 10. 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. 11. ALL WASTE MATERIAL RESULTING FROM THE PROJECT SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR. 12. ALL UTILITY EXTENSIONS AND CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE APPLICABLE UTILITY COMPANIES. 13. ALL MANHOLES, CATCH BASINS, UTILITY VALVES AND METER PITS ARE TO BE ADJUSTED OR REBUILT TO GRADE AS REQUIRED. 14. ALL DISTURBED AREAS SHALL BE LANDSCAPED, SEEDED OR SODDED, AS SHOWN ON THE LANDSCAPE PLAN. 15. HANDICAP PARKING STALLS SHALL BE SIGNED WITH CITY/ADA APPROVED SIGN AND CONSTRUCTED IN STRICT ACCORDANCE WITH CITY/ADA STANDARDS AND SHALL NOT EXCEED 2.00 PERCENT IN ANY DIRECTION. ACCESSIBLE SIDEWALKS HAVE A MAXIMUM CROSS SLOPE OF 2 PERCENT AND A MAXIMUM LONGITUDINAL SLOPE OF 5 PERCENT. 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROL OF SURFACE EROSION DURING CONSTRUCTION AND UNTIL THE OWNER ACCEPTS THE WORK AS COMPLETE. EROSION CONTROL MEASURES INCLUDING, BUT NOT LIMITED TO, THE SILT FENCES AND GRAVEL FILTER BAGS SHOWN ON THE EROSION CONTROL PLAN SHALL BE IN PLACE FOR THE DURATION OF THE SITE IMPROVEMENTS. 17. ALL HDPE PIPE SHALL BE ADS (N-12) OR APPROVED EQUAL, AND CONFORM TO AASHTO M294 SPECIFICATIONS. ALL PIPE LENGTHS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. 18. IF PRECAST CONCRETE STORM SEWER STRUCTURES ARE TO BE USED ON THIS PROJECT, THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND HAVE THEM APPROVED BY THE ENGINEER PRIOR TO FABRICATION OF THE STRUCTURES. FAILURE TO DO SO SHALL BE CAUSE FOR REJECTION. 19. EXISTING TOPSOIL SHALL BE STRIPPED TO A POINT WHERE ALL VEGETATION IS REMOVED. 20. THE CONTRACTOR SHALL, BY HIS OWN INVESTIGATION, AND PRIOR TO COMMENCING WORK, SATISFY HIMSELF AS TO THE SURFACE AND SUBSURFACE CONDITIONS TO BE ENCOUNTERED. 21. ALL WATER SERVICE LINES SHALL BE INSTALLED PER LEE'S SUMMIT WATER UTILITIES STANDARDS. ALL WATER LINES SHALL BE A MINIMUM OF 48 INCHES BELOW THE FINISHED GRADE ELEVATIONS SHOWN HEREIN. 22. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL BOUNDARY CORNERS AND SECTION CORNERS. ANY BOUNDARY CORNER AND/OR SECTION CORNER DISTURBED OR DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE RESET BY A LAND SURVEYOR LICENSED IN THE STATE OF MISSOURI, AT THE CONTRACTOR'S EXPENSE. 23. NO FEDERALLY OWNED MAILBOX MAY BE DISTURBED. THE CONTRACTOR SHALL GIVE AT LEAST TWENTY-FOUR (24) HOURS ADVANCE NOTICE TO THE MANAGER OF DELIVERY AND COLLECTIONS. TAMPERING WITH FEDERAL MAIL FACILITIES MAY SUBJECT THE CONTRACTOR TO PROSECUTION BY THE FEDERAL GOVERNMENT. 24. THE CONTOUR LINES, SPOT ELEVATIONS AND BUILDING FLOOR ELEVATIONS SHOWN ARE TO FINISH GRADE FOR SURFACE OF PAVEMENT, TOP OF SIDEWALKS AND CURBS, TOP OF FLOOR SLABS, ETC. REFER TO TYPICAL SECTIONS FOR PAVING, SLAB AND AGGREGATE BASE THICKNESS TO DEDUCT FOR GRADING LINE ELEVATIONS. 25. THE CONTRACTOR SHALL FINISH GRADE SLOPES AS SHOWN NO STEEPER THAN 1 FOOT VERTICAL IN 3 FEET HORIZONTAL 26. THE CONTRACTOR SHALL GRADE LANDSCAPED AREAS TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING AND SIDEWALKS WHEN FINISH LANDSCAPE MATERIALS ARE IN PLACE. 27. ALL EXTERIOR CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI AND BE AIR ENTRAINED. FLYASH IS NOT A SUITABLE REPLACEMENT FOR PORTLAND CEMENT. 28. ALL ON-SITE WIRING AND CABLES SHALL BE PLACED UNDERGROUND 29. THE CONTRACTOR SHALL MAKE HIS OWN ASSUMPTIONS ON THE LOCATION AND CONSISTENCY OF ANY EXISTING ROCK LAYERS UNDERLYING THE PROJECT SITE. ALL ROCK EXCAVATION AND REMOVAL SHALL BE INCLUDED IN THE CONTRACTORS' BID. 30. CONCRETE PAVEMENT JOINTS SHALL AT A MINIMUM BE CONSTRUCTED AS FOLLOWS (REFER TO HARDSCAPE PLANS FOR SPECIFIC TREATMENT OF THESE AREAS): LONGITUDINAL CONSTRUCTION JOINTS SPACED AT INTERVALS NOT GREATER THAN 12 FEET, TOOLED TO 1/3 THE SLAB THICKNESS AND OF THE BAR TYPE CONSTRUCTION JOINTS AT THE END OF EACH POUR AND WHEN PAVING OPERATIONS ARE SUSPENDED FOR 30 MINUTES OR MORE AND DOWELED WITH SMOOTH DOWELS. TRANSVERSE JOINTS SPACED AT INTERVALS NOT GREATER THAN 15 FEET AND TOOLED TO 1/3 OF THE SLAB THICKNESS. ISOLATION JOINTS PLACED WHERE THE PAVEMENT ABUTS THE BUILDING, DRAINAGE STRUCTURES AND OTHER FIXED STRUCTURES, CONSTRUCTED WITH A 3/4" NONEXTRUDING FILLER, CLOSED-CELL FOAM RUBBER OR A BITUMEN-TREATED FIBER-BOARD, AND WITH A THICKENED EDGE, INCREASED BY 20 PERCENT, TAPERED TO THE REGULAR THICKNESS IN 5 FEET. ALL EXPANSION JOINTS SHALL BE FILLED AND SEALED WITH A PLASTIC JOINT SEALANT MATERIAL. 32. CONTRACTOR TO FIELD VERIFY ELEVATIONS AND LOCATIONS OF EXISTING UTILITIES AND INFRASTRUCTURE PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS. 33. TELEPHONE AND COMMUNICATION SERVICE ROUTING AND CONDUITS NOT SHOWN ON PLANS. CONTRACTOR SHALL INSTALL NECESSARY CONDUIT PRIOR TO PAVEMENT INSTALLATION. CONTRACTOR SHALL COORDINATE ROUTING AND INSTALLATION SCOPE WITH SERVICE PROVIDER.

34. BY ACCEPTING AND UTILIZING ANY ELECTRONIC FILE OF ANY DRAWING, REPORT OR DATA TRANSMITTED BY OLSSON, THE RECIPIENT AGREES FOR ITSELF, ITS SUCCESSORS, ASSIGNS, INSURERS AND ALL THOSE CLAIMING UNDER OR THROUGH IT. THAT BY USING ANY OF THE INFORMATION CONTAINED IN THE ELECTRONIC FILE. ALL USERS AGREE TO BE BOUND BY THE FOLLOWING TERMS. ALL OF THE INFORMATION CONTAINED IN THIS ELECTRONIC FILE IS THE WORK PRODUCT AND INSTRUMENT OF SERVICE OF OLSSON, WHO SHALL BE DEEMED THE AUTHOR, AND SHALL RETAIN ALL COMMON LAW, STATUTORY LAW AND OTHER RIGHTS, INCLUDING COPYRIGHTS, UNLESS THE SAME HAVE PREVIOUSLY BEEN TRANSFERRED IN WRITING TO THE RECIPIENT. THE INFORMATION CONTAINED IN THE ELECTRONIC FILE IS PROVIDED FOR THE CONVENIENCE OF THE RECIPIENT AND IS PROVIDED IN "AS IS" CONDITION. THE RECIPIENT IS AWARE THAT DIFFERENCES MAY EXIST BETWEEN THE ELECTRONIC FILES AND THE PRINTED HARD-COPY ORIGINAL SIGNED AND SEALED DRAWINGS OR REPORTS. IN THE EVENT OF A CONFLICT BETWEEN THE SIGNED AND SEALED ORIGINAL DOCUMENTS PREPARED BY OLSSON AND THE ELECTRONIC FILES TRANSFERRED HEREWITH, THE SIGNED AND SEALED ORIGINAL DOCUMENTS SHALL GOVERN. OLSSON SPECIFICALLY DISCLAIMS ALL WARRANTIES. EXPRESSED OR IMPLIED. INCLUDING WITHOUT LIMITATION. ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO ELECTRONIC FILES. IT SHALL BE THE RECIPIENT'S RESPONSIBILITY TO CONFIRM THE ACCURACY OF THE INFORMATION CONTAINED IN THE ELECTRONIC FILE AND THAT IF ACCURATELY REFLECTS THE INFORMATION NEEDED BY THE RECIPIENT. THE RECIPIENT SHALL NOT RETRANSMIT THE ELECTRONIC FILE, OR ANY PORTION THEREOF, WITHOUT INCLUDING THIS DISCLAIMER AS PART OF ANY SUCH TRANSMISSION. IN ADDITION, THE RECIPIENT AGREES, TO THE FULLEST EXTENT PERMITTED BY LAW, TO INDEMNIFY AND HOLD HARMLESS OLSSON, ITS OFFICERS, DIRECTORS, EMPLOYEES AND SUBCONSULTANTS AGAINST ANY AND ALL DAMAGES, LIABILITIES, CLAIMS OR COSTS, INCLUDING REASONABLE ATTORNEY'S AND EXPERT WITNESS FEES AND DEFENSE COSTS, ARISING FROM ANY CHANGES MADE BY ANYONE OTHER THAN OLSSON OR FROM ANY REUSE OF THE ELECTRONIC FILES WITHOUT THE PRIOR WRITTEN CONSENT OF OLSSON.

35. DESIGN PROFESSIONAL SHALL REVIEW SHOP DRAWINGS OR SAMPLES FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPTS ON THE PROJECT AND FOR COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS, AND SHALL NOT EXTEND TO MEANS OR METHODS OF CONSTRUCTION. THE DESIGN PROFESSIONAL'S REVIEW SHALL NOT RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR ANY VARIATION FROM THE REQUIREMENTS. OF THE CONTRACT DOCUMENTS UNLESS CONTRACTOR HAS IN WRITING CALLED DESIGN PROFESSIONAL'S ATTENTION TO EACH SUCH VARIATION AT THE TIME OF SUBMISSION, AND DESIGN PROFESSIONAL HAS GIVEN WRITTEN APPROVAL OF EACH SUCH VARIATION BY SPECIFIC WRITTEN NOTATION THEREOF INCORPORATED INTO OR ACCOMPANYING THE SHOP DRAWING OR SAMPLE; NOR WILL ANY APPROVAL BY THE DESIGN PROFESSIONAL RELIEVE CONTRACTOR FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS WITH CONFORMANCE TO CONTRACT DOCUMENTS.

BEFORE SUBMITTING EACH SHOP DRAWING OR SAMPLE, CONTRACTOR SHALL HAVE DETERMINED AND VERIFIED: a. ALL FIELD MEASUREMENTS, QUANTITIES, DIMENSIONS, SPECIFIED PERFORMANCE CRITERIA, INSTALLATION REQUIREMENTS, MATERIALS, CATALOG NUMBERS AND SIMILAR INFORMATION WITH RESPECT THERETO; b. ALL MATERIALS WITH RESPECT TO INTENDED USE, FABRICATION, SHIPPING, HANDLING, STORAGE, ASSEMBLY AND INSTALLATION PERTAINING TO THE PERFORMANCE OF THE WORK; c. ALL INFORMATION RELATIVE TO MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENT THERETO; d. CONTRACTOR SHALL ALSO HAVE REVIEWED AND COORDINATED EACH SHOP DRAWING OR SAMPLE WITH OTHER SHOP DRAWINGS AND SAMPLES, AND WITH THE REQUIREMENTS OF THE WORK AND THE CONTRACT DOCUMENTS.

ALL SUBMITTED SHOP DRAWINGS SHALL BEAR A STAMP OR SPECIFIC WRITTEN INDICATION AND SIGNATURE THAT CONTRACTOR HAS FULLY REVIEWED THE SUBMISSION AND CHECKED ALL DATA AND DETAILS. BY CONTRACTOR SIGNATURE, CONTRACTOR CERTIFIES SHOP DRAWING CONFORMANCE AND ACCURACY TO THE CONTRACT DOCUMENTS.

36. ANY CONTRACTOR BIDDING ANY PORTION OF THIS WORK SHALL HAVE IN HIS OR HER POSSESSION A COMPLETE SET OF CONSTRUCTION DOCUMENTS AND BE FAMILIAR WITH ALL SCOPES OF WORK AND TRADES TO UNDERSTAND THEIR INTERACTIONS.

PRODUCTS. IN THE EVEN THIS NOTE IS LESS STRINGENT THAN THE LOCAL JURISDICTION, THE MORE STRINGENT REQUIREMENTS SHOULD APPLY.

# **DEMOLITION NOTES**

- 1. CONTRACTOR TO PRESERVE ALL SURVEY CONTROL.
- 2. CONTRACTOR TO COMPLETE DEMOLITION PER THE INTENT OF THESE PLANS. UTILITIES. THIS INCLUDES PRIVATE AND PUBLIC UTILITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT MISSOURI ONE CALL AT 1-800-344-7483 IN ADVANCE OF ANY EXCAVATION TO COORDINATE UTILITY LOCATIONS.
- THESE PLANS. 5. REMOVAL AND DISPOSAL OF BUSHES AND TREES SMALLER THAN 12" IN DIAMETER SHALL BE CONSIDERED SUBSIDIARY TO THE PRICE BID FOR CLEARING AND GRUBBING.
- 6. ALL ITEMS REMOVED SHALL BE LEGALLY DISPOSED OFF SITE BY THE CONTRACTOR.
- 7. DO NOT DISRUPT UTILITY SERVICE TO ADJACENT BUSINESSES OR RESIDENCES WITHOUT PRIOR WRITTEN APPROVAL BY THE ENGINEER.
- 8. DO NOT DISRUPT TRAFFIC ON ADJACENT PUBLIC STREETS WITHOUT PRIOR WRITTEN APPROVAL BY THE CITY.
- CONTRACTOR SHALL SAW CUT WHERE NECESSARY.
- PROCEEDING WITH WORK ON THIS CONTRACT.

ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. 12. CONTRACTOR SHALL PROTECT THE PUBLIC AT ALL TIME WITH FENCING, BARRICADES, ENCLOSURES, ETC. TO THE BEST PRACTICES AND AS APPROVED BY THE ENGINEER

AND THE CITY. 13. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

14. DEMOLITION OF BUILDINGS SHALL INCLUDE THE BUILDING STRUCTURE, PAD, FOOTINGS, FOUNDATIONS, BASEMENT WALLS, BASEMENT FLOORS, TRUCK DOCKS, STEPS, DECKS, ALL ITEMS REMAINING IN BUILDING, ALL BUILDING UTILITY SERVICES, SIDEWALKS, AND BACKFILLING AND RESTORING REMAINING EXCAVATIONS, BASEMENTS AND TRENCHES PER SPECIFICATIONS.

15. ALL LIGHT POLE DEMOLITION SHALL INCLUDE FIXTURES, BASES AND WIRING.

37. CONTRACTOR TO PROVIDE A STRUCTURAL DESIGN FOR ALL STORM STRUCTURES WITH A ("L"+"H") AND ("W" + "H") GREATER THAN 20 FEET. "L" IS THE LENGTH OF THE BOX, "W" IS THE WIDTH OF THE BOX, AND "H" IS THE HEIGHT OF THE BOX. STRUCTURAL DESIGN SHOULD INCLUDE DETAILS AND CALCULATIONS SEALED BY A LICENSED ENGINEER. DESIGN SHALL BE SUBMITTED FOR REVIEW PRIOR TO ANY FABRICATION AND ORDERING OF PIPE

3. THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE ENGINEER MAKES NO GUARANTEES THAT THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER HAS NOT PHYSICALLY LOCATED THE UNDERGROUND

4. CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER EXISTING LINES NOT OF RECORD OR SHOWN ON

9. ALL SIDEWALK AND PAVEMENT TO REMAIN SHALL BE PROTECTED IN PLACE INCLUDING PROTECTION FROM DAMAGE CAUSED BY REMOVAL OF ABUTTING PAVEMENT.

10. CONTRACTOR SHALL GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DISCONNECTION, DEMOLITION, AND REMOVAL OF SERVICE LINES. CAP ALL LINES BEFORE

11. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANIES WORK FORCE AND

16. ALL UTILITY DEMOLITION SHALL INCLUDE METERS, MANHOLES AND OTHER STRUCTURES ASSOCIATED WITH THE UTILITY SERVICE LINE.

# PAVEMENT MARKING NOTES:

1. PAVEMENT MARKING PAINT: LATEX, WATER-BASE EMULSION, READY-MIXED, COMPLYING WITH FS TT-P-1952 WITH DRYING TIME OF LESS THAN 45 MINUTES.

- 2. DO NOT APPLY PAVEMENT MARKING PAINT UNTIL LAYOUT, COLORS AND PLACEMENT HAVE BEEN VERIFIED WITH THE ARCHITECT.
- 3. ALLOW PAVING TO AGE FOR 24 HOURS BEFORE MARKING.
- 4. SWEEP AND CLEAN SURFACE.
- 5. APPLY PAINT WITH MECHANICAL EQUIPMENT TO PRODUCE MARKINGS WITH UNIFORM STRAIGHT EDGES. PROVIDE A MINIMUM WET FILM THICKNESS OF 15 MILS. 6. THIS WORK SHALL CONSIST OF FURNISHING AND APPLYING PAINT ON PAVEMENT SURFACES, IN TRAFFIC LANES, PARKING BAYS, AREAS RESTRICTED TO HANDICAPPED PERSONS, CROSSWALKS, AND OTHER DETAIL PAVEMENT MARKINGS, IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS.
- 7. DETAILS NOT SHOWN SHALL BE IN CONFORMITY WITH THE STATE STANDARDS FOR TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND SIMILAR REQUIREMENTS ESTABLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION.
- 8. ALL PARKING LOT STRIPING SHALL BE SINGLE LINE 4" WIDE AS PER THE SITE PLANS.
- 9. PAINT FOR MARKING PAVEMENT SHALL CONFORM TO FEDERAL HIGHWAY MARKING STANDARDS. USE SHERWIN WILLIAMS PROMAR TRAFFIC MARKING PAINT, COLORS TO MATCH THE EXISTING ADJACENT INSTALLATIONS. USE FLAT BLACK, WHITE OR YELLOW, WHERE APPROPRIATE. UNLESS OTHERWISE DIRECTED, USE THE FOLLOWING: A. BLACKTOP OR BITUMINOUS ASPHALT PAVING: USE WHITE COLOR. B. PORTLAND CEMENT CONCRETE PAVING: USE YELLOW COLOR.
- C. HANDICAPPED ACCESSIBLE PARKING AND ENTRYWAYS: USE WHITE COLOR WITH WHITE STRIPES. D. PROVIDE PAINTED CURBS AT FIRE LANE DESIGNATIONS PER FIRE MARSHAL REQUIREMENTS.
- 10. APPLY ALL MARKINGS USING APPROVED MECHANICAL EQUIPMENT (WITH PROVISIONS FOR CONSTANT AGITATION OF PAINT), CAPABLE OF APPLYING THE MARKING WIDTHS AS SHOWN. USE PNEUMATIC SPRAY GUNS FOR HAND APPLICATION OF PAINT. ALL PAINTING EQUIPMENT AND OPERATIONS SHALL BE UNDER THE CONTROL OF EXPERIENCED TECHNICIANS THOROUGHLY FAMILIAR WITH EQUIPMENT AND MATERIALS AND MARKING LAYOUTS.
- 11. DETAIL PAVEMENT MARKINGS SHALL BE THAT MARKING, EXCLUSIVE OF ACTUAL TRAFFIC LANE MARKING, AT EXIT AND ENTRANCE ISLANDS AND TURNOUTS, ON CURBS, AT CROSSWALKS, AT PARKING BAYS AND AT SUCH OTHER LOCATIONS AS SHOWN. HANDICAPPED PARKING SPACES SHALL BE MARKED BY THE INTERNATIONAL HANDICAPPED SYMBOL AT INDICATED PARKING SPACES. USE A SUITABLE TEMPLATE THAT WILL PROVIDE A PAVEMENT MARKING WITH TRUE, SHARP EDGES AND ENDS.

# **EROSION & SEDIMENT CONTROL NOTES**

- 1. PRIOR TO LAND DISTURBANCE ACTIVITIES. THE FOLLOWING SHALL OCCUR: A. DELINEATE THE OUTER LIMITS OF ANY NATURAL STREAM CORRIDOR DESIGNATED IN ACCORDANCE WITH THE CITY'S DESIGN AND CONSTRUCTION MANUAL SHALL BE APPLICABLE TO DEVELOPMENT IN THE ADP.
- B. CONSTRUCT A STABILIZED ENTRANCE/PARKING/DELIVERY AREA.
- C. INSTALL PERIMETER CONTROLS AND REQUEST THE INSPECTION OF THE PRECONSTRUCTION EROSION AND SEDIMENT CONTROL MEASURES DESIGNATED ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN. LAND DISTURBANCE WORK SHALL NOT PROCEED UNTIL THERE IS A SATISFACTORY INSPECTION.
- D. IDENTIFY THE LIMITS OF CONSTRUCTION ON THE GROUND WITH EASILY RECOGNIZABLE INDICATIONS SUCH AS CONSTRUCTION STAKING, CONSTRUCTION FENCING, AND PLACEMENT OF PHYSICAL BARRIERS OR OTHER MEANS ACCEPTABLE TO THE CITY INSPECTOR AND IN CONFORMANCE WITH THE EROSION AND SEDIMENT CONTROL PLAN.
- 2. THE SITE SHALL COMPLY WITH ALL REQUIREMENTS OF THE MISSOURI WATER POLLUTION CONTROL AND NPDES STORMWATER RUNOFF FROM CONSTRUCTION SITES GENERAL PERMIT, OPMC CHAPTER 16.200 AND TITLE 18, AND LEE'S SUMMIT STANDARDS AND SPECIFICATIONS LIMITED TO:
- A. STABILIZATION OF ANY DISTURBED AREA WHERE THE LAND DISTURBANCE ACTIVITY HAS CEASED FOR MORE THAN 14 DAYS.
- B. INSPECTIONS OF EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PERFORMED TO MEET OR EXCEED THE MINIMUM INSPECTION FREQUENCY IN THE MISSOURI GENERAL PERMIT. AT A MINIMUM, INSPECTIONS SHALL BE PERFORMED DURING ALL PHASES OF CONSTRUCTION AT THE FOLLOWING INTERVALS: I AT LEAST ONCE EVERY 14 DAYS II BY THE END OF THE NEXT DAY, EXCLUDING WEEKENDS AND FEDERAL HOLIDAYS, AFTER A RAIN EVENT OF ½ INCH OR MORE.
- C. AN INSPECTION LOG SHALL BE MAINTAINED AND SHALL BE AVAILABLE FOR REVIEW BY THE REGULATORY AUTHORITY.
- D. THE EROSION AND SEDIMENT CONTROL PLAN SHALL BE ROUTINELY UPDATED PER THE SWPPP AND NOI TO SHOW ALL CHANGES AND AMENDMENTS TO THE PLAN. A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN SHALL BE KEPT ON SITE AND MADE AVAILABLE FOR REVIEW BY THE REGULATORY AUTHORITY. 3. UNLESS OTHERWISE NOTED IN THE PLANS. ALL SEEDING MUST CONFORM TO THE CITY OF LEE'S SUMMIT STANDARDS AND SPECIFICATIONS.
- 4. EROSION AND SEDIMENT CONTROL SHALL BE PROVIDED FOR THE DURATION OF A PROJECT. ALL INSTALLED EROSION AND SEDIMENT CONTROL DEVICES SHALL BE MAINTAINED IN A MANNER THAT PRESERVES THEIR EFFECTIVENESS. IF THE CITY DETERMINES THAT THE BMPS IN PLACE DO NOT PROVIDE ADEQUATE EROSION AND SEDIMENT CONTROL AT ANY TIME DURING THE PROJECT, ADDITIONAL OR ALTERNATE MEASURES THAT PROVIDE EFFECTIVE CONTROL SHALL BE REQUIRED. FAILURE TO DO SO IS A VIOLATION OF THE PROVISIONS OF OPMC CHAPTER 16.200.
- 5. SILT FENCES AND SEDIMENT CONTROL BMPS WHICH ARE SHOWN ALONG THE BACK OF CURB MUST BE INSTALLED WITHIN TWO WEEKS OF CURB BACKFILL AND PRIOR TO PLACEMENT OF BASE ASPHALT. EXACT LOCATIONS OF THESE EROSION CONTROL METHODS MAY BE FIELD ADJUSTED TO MINIMIZE CONFLICTS WITH UTILITY CONSTRUCTION; HOWEVER, ANTICIPATED DISTURBANCE BY UTILITY CONSTRUCTION SHALL NOT DELAY INSTALLATION.
- 6. THE ABOVE REQUIREMENTS ARE THE RESPONSIBILITY OF THE PERMITTEE FOR THE SITE. RESPONSIBILITY MAY BE TRANSFERRED TO ANOTHER PARTY BY THE PERMITTEE ACCORDING TO THE SWPPP, BUT THE PERMITTEE SHALL REMAIN LIABLE BY THE CITY OF LEE'S SUMMIT IF ANY OF THE ABOVE CONDITIONS ARE NOT MET.
- 7. APWA EROSION AND SEDIMENT CONTROL/BMPS USED ON THE PROJECT SHALL BE CONSTRUCTED, INSPECTED, AND MAINTAINED AT A MINIMUM TO APWA STANDARDS AND SPECIFICATIONS. 8. THE SITE SHALL COMPLY WITH ALL REQUIREMENTS OF THE MISSOURI WATER POLLUTION CONTROL AND NPDES STORMWATER RUNOFF FROM CONSTRUCTION SITES GENERAL
- PERMIT, OTHER PERMIT REQUIREMENTS, AND CITY OF LEE'S SUMMIT. 9. CONTRACTOR SHALL, BY HIS OWN INVESTIGATION, AND PRIOR TO BIDDING, SATISFY HIMSELF AS TO THE CONDITION OF EXISTING BMPS INCLUDING SEDIMENT TRAPS AND
- BASINS UNDER CURRENT OPERATION/NOI FROM THE DEMOLITION PLANS CONSTRUCTION DOCUMENTS. AT NOTICE TO PROCEED, BMPS, EXISTING PERMITS, SWPPP OPERATIONS, AND MAINTENANCE BECOMES THE CONTRACTOR'S RESPONSIBILITY.

# SANITARY SEWER NOTES

- 1. ALL SANITARY SEWER SERVICE PIPE SHALL BE PVC SDR-26. SEWER SERVICE LINE W/PUSH ON JOINTS.
- 2. INSTALL 6" ONE-WAY CLEANOUT 10' FROM BUILDING OR AS NOTED ON PLANS.
- 3. NO FOUNDATION DRAINS ARE PLANNED FOR THIS PROJECT. DOWNSPOUTS SHALL NOT BE CONNECTED TO SANITARY SEWER. DOWNSPOUTS WILL DISCHARGE AT GRADE USING SPLASHBLOCK OR TO PROPOSED STORM SEWER.
- 4. TEN FEET OF HORIZONTAL SEPARATION AND TWO FEET OF VERTICAL SEPARATION SHALL BE PROVIDED BETWEEN WATER LINES AND THE SANITARY SEWER SERVICE LINE. 5. IN THE EVENT OF WORK IN OR ON THE SANITARY MAIN, ANY TREES OR PLANTINGS PLACED WITHIN THE SEWER EASEMENT MAY BE REMOVED WITHOUT REPLACEMENT OR COMPENSATION THERE-OF.
- 6. 90-DEGREE TURNS TO BE ACCOMPLISHED WITH TWO 45-DEGREE BENDS WITH A MINIMUM OF ONE FOOT OF PIPE BETWEEN THE 45-DEGREE BENDS.
- 7. FOR VERTICAL RISERS AND ENCASEMENTS, SEE SANITARY SEWER CONNECTION SHEETS.
- 8. SANITARY SERVICE LINES SHALL BE INSTALLED BY BUILDING PLUMBER AND IN ACCORDANCE WITH THE CURRENT SERVICE LINE DESIGN AND CONSTRUCTION STANDARDS. 9. ROOF DRAINS SHALL NOT BE CONNECTED TO THE SANITARY SEWER.
- 10. REPLACE/ADD BARREL SECTIONS AS REQUIRED TO MEET THE GRADE REQUIREMENTS.
- 11. MANHOLE STATIONS AND PIPE LENGTHS SHOWN ON PLANS ARE TO THE CENTER OF MANHOLES. DO NOT SCALE DRAWINGS.
- 12. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY PAVEMENT OR SIDEWALKS DAMAGED DURING THE CONSTRUCTION OF THE SANITARY SEWER SERVICE LINE.

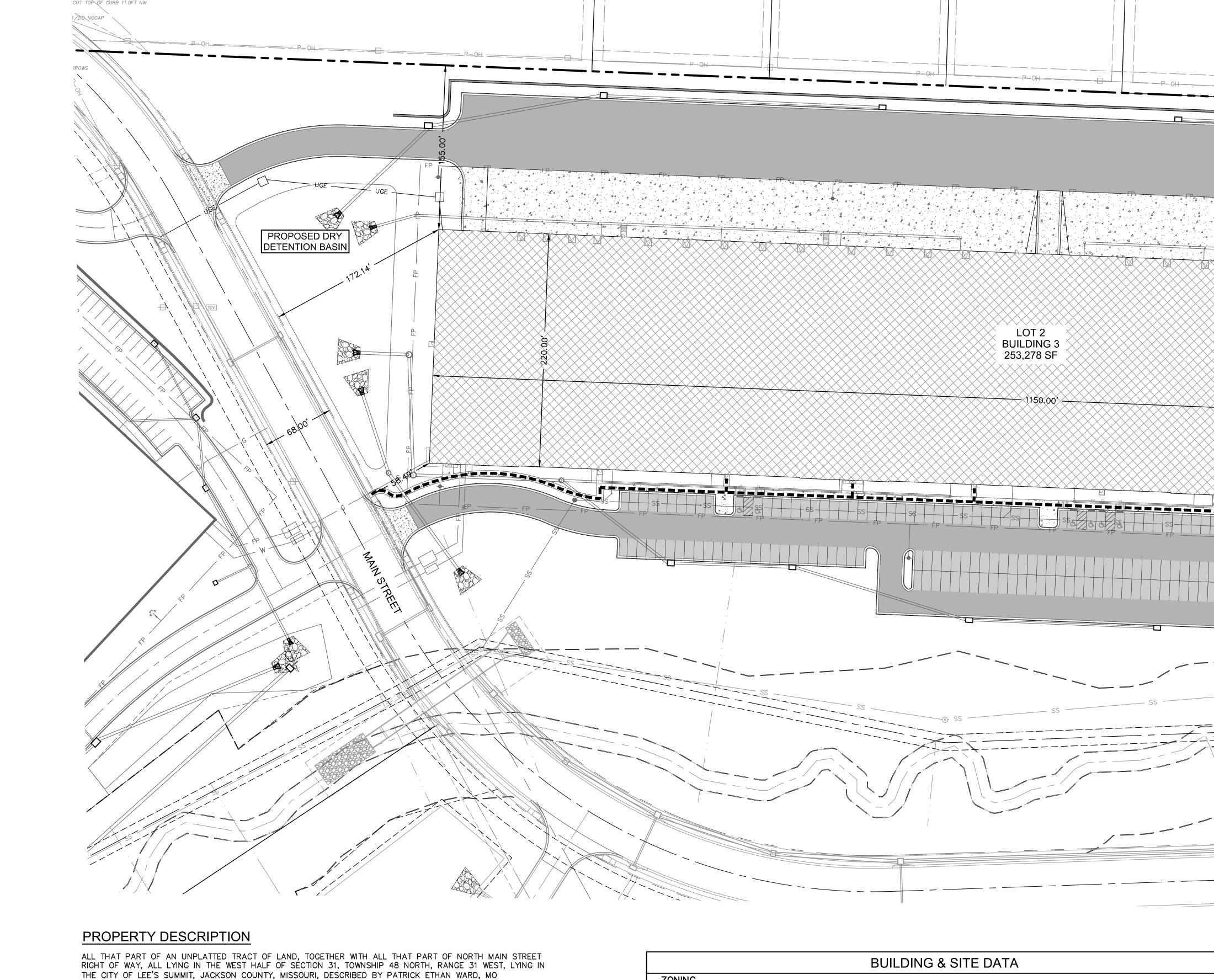
# AMERICAN WITH DISABILITIES ACT. (ADA)

- 1. ADA PARKING SPACES, MARKINGS AND ACCESS TO THE BUILDING(S) SHALL COMPLY WITH ADA.
- 2. ALL CONSTRUCTION TRAFFIC, TEMPORARY TRAFFIC CONTROL DEVICES, AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

# S NUMBER ONALE က drawn by: checked by:

- -MITCHELL ALAN Maa. Hen PE-2009018764 ⊢ o AN ် လူ PMI ОĽ approved by: QA/QC by: project no.: B21-0415 drawing no\_TTL01\_C2104157 dwg date: 03.11.2022 SHEET

C1.01



PLS-20050071, OF OLSSON MOLC-366, ON OCTOBER 14, 2021, AS FOLLOWS: BEGINNING AT THE NORTHEAST CORNER OF THE SOUTHWEST QUARTER OF SECTION 31, TOWNSHIP 48 NORTH, RANGE 31 WEST; THENCE SOUTH 01 DEGREE 59 MINUTES 47 SECONDS WEST, ON THE EAST LINE OF SAID SOUTHWEST QUARTER, A DISTANCE OF 65.98 FEET TO A POINT ON THE WEST LINE OF NW SLOAN STREET RIGHT OF WAY, AS ESTABLISHED IN DOCUMENT 2013E0075031, SAID POINT ALSO LYING ON A NON-TANGENT CURVE; THENCE IN A SOUTHERLY DIRECTION, DEPARTING SAID EAST LINE, ON SAID WEST LINE AND ON A CURVE TO THE RIGHT WHOSE INITIAL TANGENT BEARS SOUTH 02 DEGREES 47 MINUTES 37 SECONDS WEST, HAVING A RADIUS OF 970.00 FEET, THROUGH A CENTRAL ANGLE OF 6 DEGREES 27 MINUTES 07 SECONDS, AN ARC DISTANCE OF 109.23 FEET TO A POINT OF TANGENCY; THENCE SOUTH 09 DEGREES 14 MINUTES 44 SECONDS WEST, CONTINUING ON SAID WEST LINE, A DISTANCE OF 111.80 FEET TO A POINT OF CURVATURE; THENCE IN A SOUTHERLY DIRECTION, CONTINUING ON SAID WEST LINE AND ON A CURVE TO THE LEFT, HAVING A RADIUS OF 1030.00 FEET, THROUGH A CENTRAL ANGLE OF 7 DEGREES 14 MINUTES 57 SECONDS, AN ARC DISTANCE OF 130.32 FEET TO A POINT OF TANGENCY; THENCE SOUTH 01 DEGREE 59 MINUTES 47 SECONDS WEST, CONTINUING ON SAID WEST LINE, A DISTANCE OF 69.49 FEET TO A POINT ON THE NORTH LINE OF NE TUDOR ROAD RIGHT OF WAY, AS ESTABLISHED IN SAID DOCUMENT 2013E0075031; THENCE SOUTH 46 DEGREES 15 MINUTES 48 SECONDS WEST, DEPARTING SAID WEST LINE, ON SAID NORTH LINE, A DISTANCE OF 46.09 FEET TO A POINT; THENCE NORTH 89 DEGREES 24 MINUTES 16 SECONDS WEST, CONTINUING ON SAID NORTH LINE, AND ON THE NORTH LINE OF NW TUDOR ROAD RIGHT OF WAY, AS ESTABLISHED IN DOCUMENT 2013E0075030, A DISTANCE OF 1249.23 FEET TO A POINT ON THE EAST LINE OF UNION PACIFIC RAILROAD RIGHT OF WAY, AS NOW ESTABLISHED, SAID POINT ALSO LYING ON A NON-TANGENT CURVE; THENCE IN A NORTHERLY AND NORTHWESTERLY DIRECTION, DEPARTING SAID NORTH LINE, ON SAID EAST LINE AND ON A CURVE TO THE LEFT WHOSE INITIAL TANGENT BEARS NORTH 15 DEGREES 46 MINUTES 27 SECONDS WEST, HAVING A RADIUS OF 3203.90 FEET, THROUGH A CENTRAL ANGLE OF 22 DEGREES 48 MINUTES 11 SECONDS, AN ARC DISTANCE OF 1275.12 FEET TO A POINT OF TANGENCY; THENCE NORTH 38 DEGREES 34 MINUTES 39 SECONDS WEST, CONTINUING ON SAID EAST LINE, A DISTANCE OF 738.40 FEET TO A POINT OF CURVATURE; THENCE IN A NORTHWESTERLY DIRECTION, CONTINUING ON SAID EAST LINE AND ON A CURVE TO THE RIGHT, HAVING A RADIUS OF 5981.13 FEET, THROUGH A CENTRAL ANGLE OF 2 DEGREES 39 MINUTES 22 SECONDS, AN ARC DISTANCE OF 277.27 FEET TO A POINT ON THE NORTH LINE OF THE SOUTH HALF OF THE NORTHWEST QUARTER OF SAID SECTION 31, SAID POINT ALSO LYING ON A NON-TANGENT LINE; THENCE SOUTH 87 DEGREES 40 MINUTES 30 SECONDS EAST, DEPARTING SAID EAST LINE, ON SAID NORTH LINE, A DISTANCE OF 884.17 FEET TO A POINT ON A NON-TANGENT CURVE; THENCE IN A SOUTHEASTERLY DIRECTION, DEPARTING SAID NORTH LINE, ON A CURVE TO THE RIGHT WHOSE INITIAL TANGENT BEARS SOUTH 45 DEGREES 29 MINUTES 38 SECONDS EAST, HAVING A RADIUS OF 544.00 FEET, THROUGH A CENTRAL ANGLE OF 16 DEGREES 50 MINUTES 44 SECONDS, AN ARC DISTANCE OF 159.94 FEET TO A POINT OF TANGENCY; THENCE SOUTH 28 DEGREES 38 MINUTES 55 SECONDS EAST A DISTANCE OF 437.58 FEET TO A POINT OF CURVATURE; THENCE IN A SOUTHEASTERLY AND EASTERLY DIRECTION. ON A CURVE TO THE LEFT. HAVING A RADIUS OF 476.00 FEET. THROUGH A CENTRAL ANGLE OF 63 DEGREES 19 MINUTES 59 SECONDS, AN ARC DISTANCE OF 526.16 FEET TO A POINT OF TANGENCY; THENCE NORTH 88 DEGREES 01 MINUTE 06 SECONDS EAST A DISTANCE OF 416.85 FEET TO A POINT OF CURVATURE; THENCE IN AN EASTERLY AND SOUTHEASTERLY DIRECTION, ON A CURVE TO THE RIGHT, HAVING A RADIUS OF 544.00 FEET, THROUGH A CENTRAL ANGLE OF 65 DEGREES 51 MINUTES 08 SECONDS, AN ARC DISTANCE OF 625.24 FEET TO A POINT ON A NON-TANGENT LINE. SAID POINT ALSO LYING ON THE EAST LINE OF SAID NORTHWEST QUARTER; THENCE SOUTH 01 DEGREE 53 MINUTES 30 SECONDS WEST, ON SAID EAST LINE, A DISTANCE OF 338.00 FEET TO THE POINT OF BEGINNING, CONTAINING 2,375,437 SQUARE FEET OR 54.5325 ACRES, MORE OR LESS.

			BUILDING	G & SITE DATA	١		
ZONING							
NO. OF STORIES	BLDG HEIGHT	USE	BUILDING SQ. FT.	PARKING REQUIRED	PARKING PROVIDED	FLOOR AREA RATIO	LOT ARE
1	48 FT	BUILDING 3 WAREHOUSE	253,278 S.F.	1 STALL PER 1000 SF (254 STALLS)	204 STALLS	0.21	26.16 ACRES 1,139,687.69

LOT 1 PROPOSED OPEN SPACE= xxx,xxx S.F. (xx.xxx ACRES) xx.xx%

REQUIRED OPEN SPACE= REFERENCE LANDSCAPE PLAN

LOT 1 PROPOSED IMPERVIOUS AREA= 490,413 S.F. (11.258 ACRES)

# PROPERTY OWNER/ DEVELOPER

SCANNELL PROPERTIES #603, LLC 8801 RIVER CROSSING BLVD, SUITE 300 INDIANAPOLIS, IN 46240 PH: 317–218–1648

# ENGINEER/ LANDSCAPE ARCHITECT

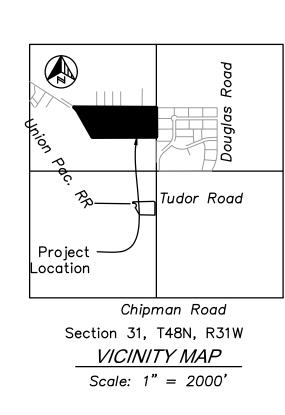
OLSSON 7301 W. 133RD STREET, SUITE 200 OVERLAND PARK, KS 66213 PH: 913-381-1170 F: 913-381-1174

PROPOSED SITE USE

**EXISTING & PROPOSED ZONING** 

# SITE AREA

NET SITE AREA= 3,439,837 SQ. FT., (78.9678 AC±)



# E**A** 39

# <u>LEGEND</u>

PROPERTY LINE SECTION LINE - LOT LINE ADA PATH – SIDEWALKS NOT DELINEATED AS ADA PATHS WILL NOT BE ADA COMPLIANT. PROPOSED STORM SEWER INSTALL STANDARD "WET" CURB & GUTTER (PER LEE'S SUMMIT STANDARD DETAIL) INSTALL STANDARD "DRY" CURB & GUTTER (PER LEE'S SUMMIT STANDARD DETAIL) INSTALL "ADA RAMP" CURB & GUTTER (PER LEE'S SUMMIT STANDARD DETAIL) INSTALL MEDIUM DUTY ASPHALT SEE PAVEMENT SECTION ON C3.00 INSTALL HEAVY DUTY ASPHALT SEE PAVEMENT SECTION ON C3.00 INSTALL HEAVY DUTY CONCRETE SEE

INSTALL HEAVY DUTY CONCRETE SE PAVEMENT SECTION ON C3.00 INSTALL CONCRETE SIDEWALK SEE PAVEMENT SECTION ON C3.00

# PROPOSED DRY DETENTION BASIN

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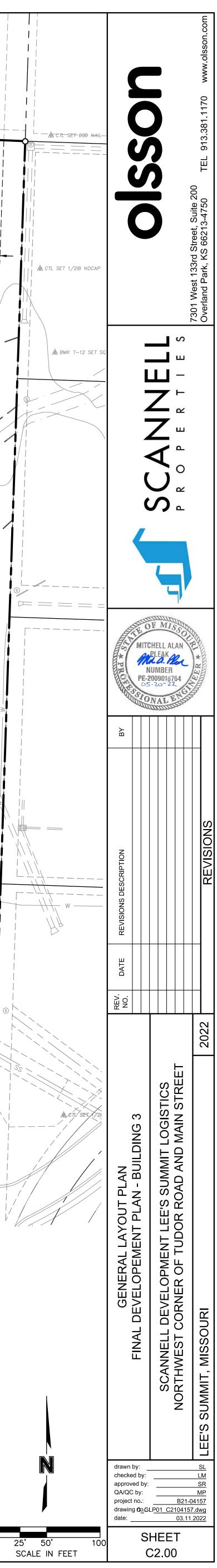
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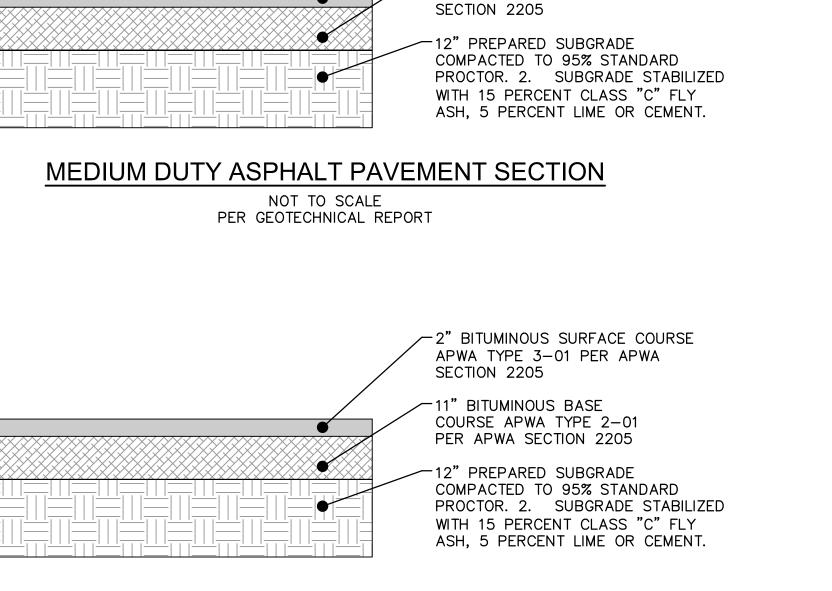
PROPOSED DRY

DETENTION BASIN

20.00'

0'





✓ 2" BITUMINOUS SURFACE COURSE

APWA TYPE 3-01 PER APWA

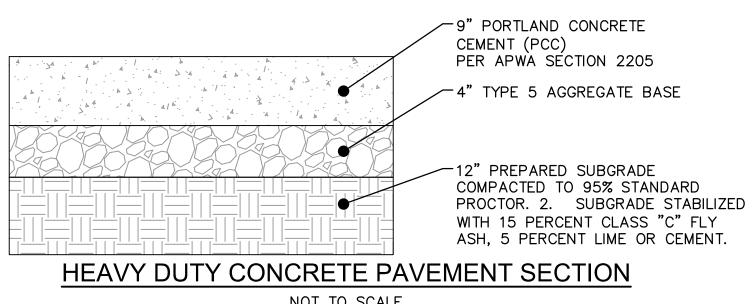
-8" BITUMINOUS BASE COURSE APWA TYPE 2-01 PER APWA

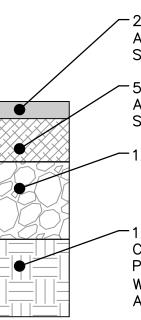
SECTION 2205

HEAVY DUTY ASPHALT PAVEMENT SECTION

NOT TO SCALE PER GEOTECHNICAL REPORT

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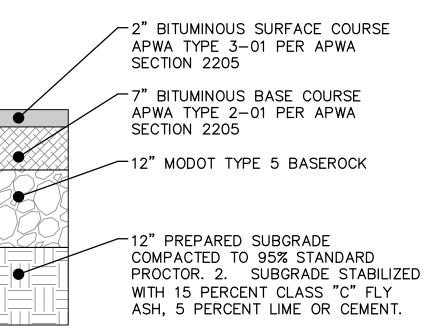
✓ 2" BITUMINOUS SURFACE COURSE APWA TYPE 3-01 PER APWA SECTION 2205 -5" BITUMINOUS BASE COURSE APWA TYPE 2-01 PER APWA SECTION 2205

-12" MODOT TYPE 5 BASEROCK

12" PREPARED SUBGRADE COMPACTED TO 95% STANDARD PROCTOR. 2. SUBGRADE STABILIZED WITH 15 PERCENT CLASS "C" FLY ASH, 5 PERCENT LIME OR CEMENT.

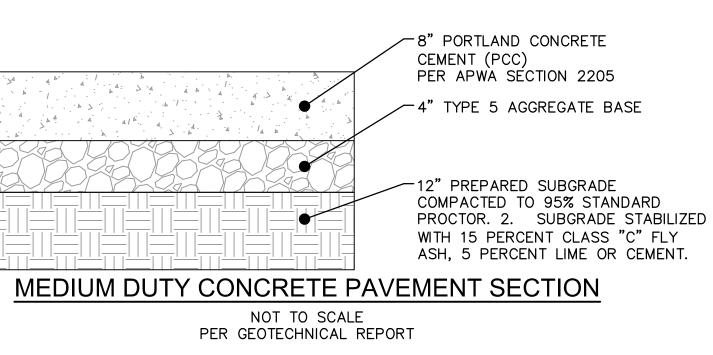
# MEDIUM DUTY ASPHALT PAVEMENT SECTION

NOT TO SCALE PER GEOTECHNICAL REPORT



# HEAVY DUTY ASPHALT PAVEMENT SECTION

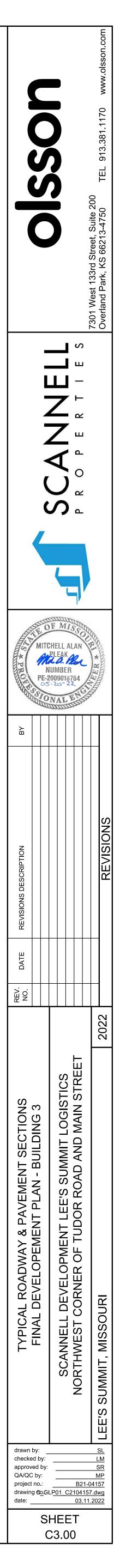
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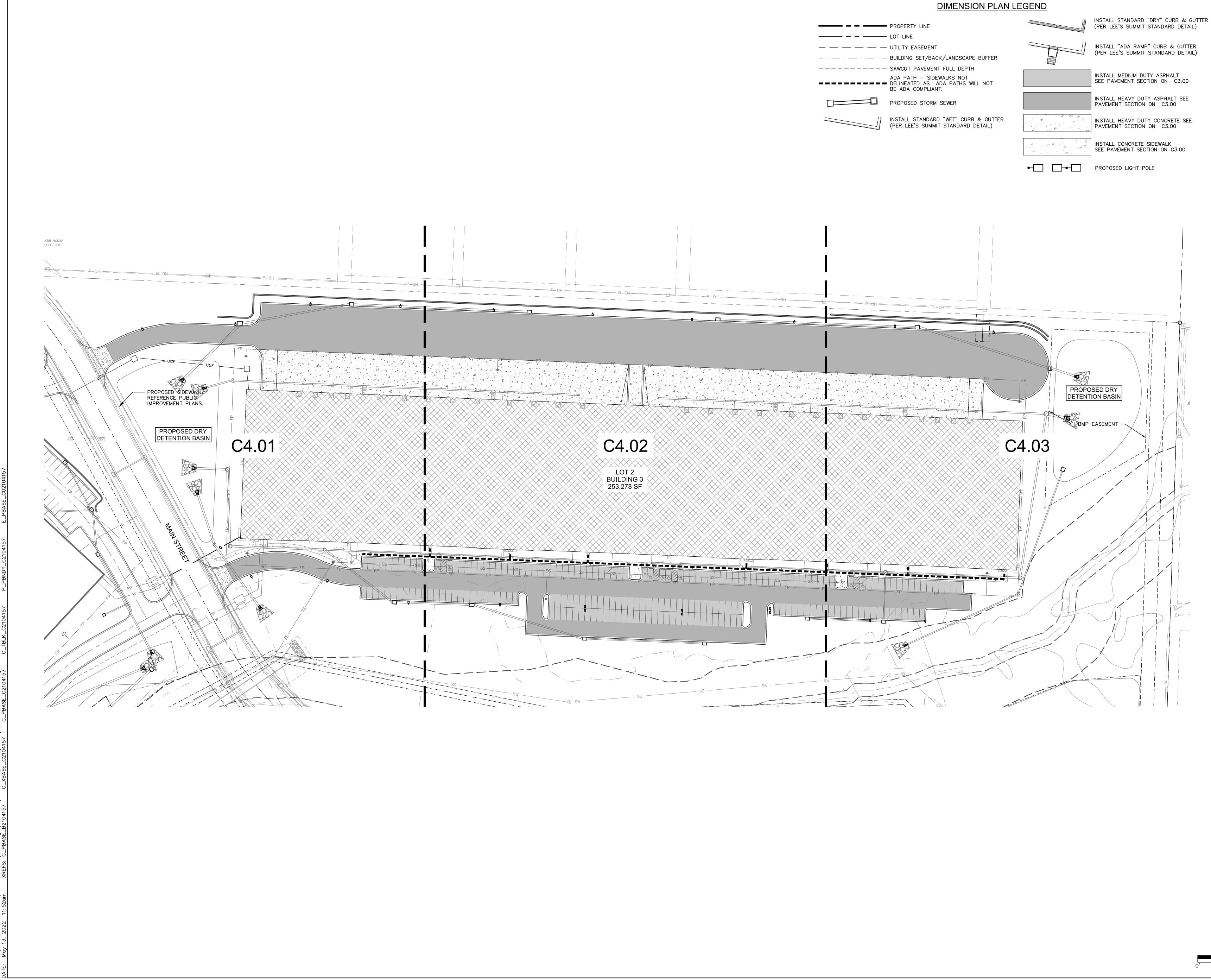


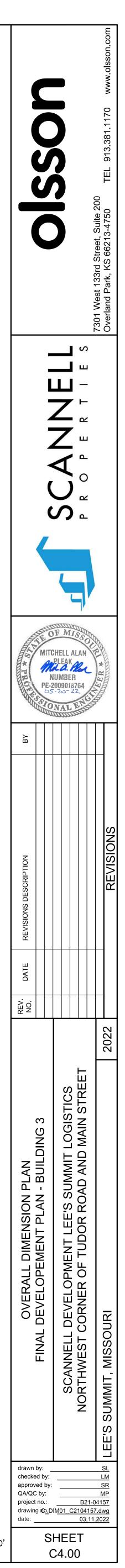
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# NOTE

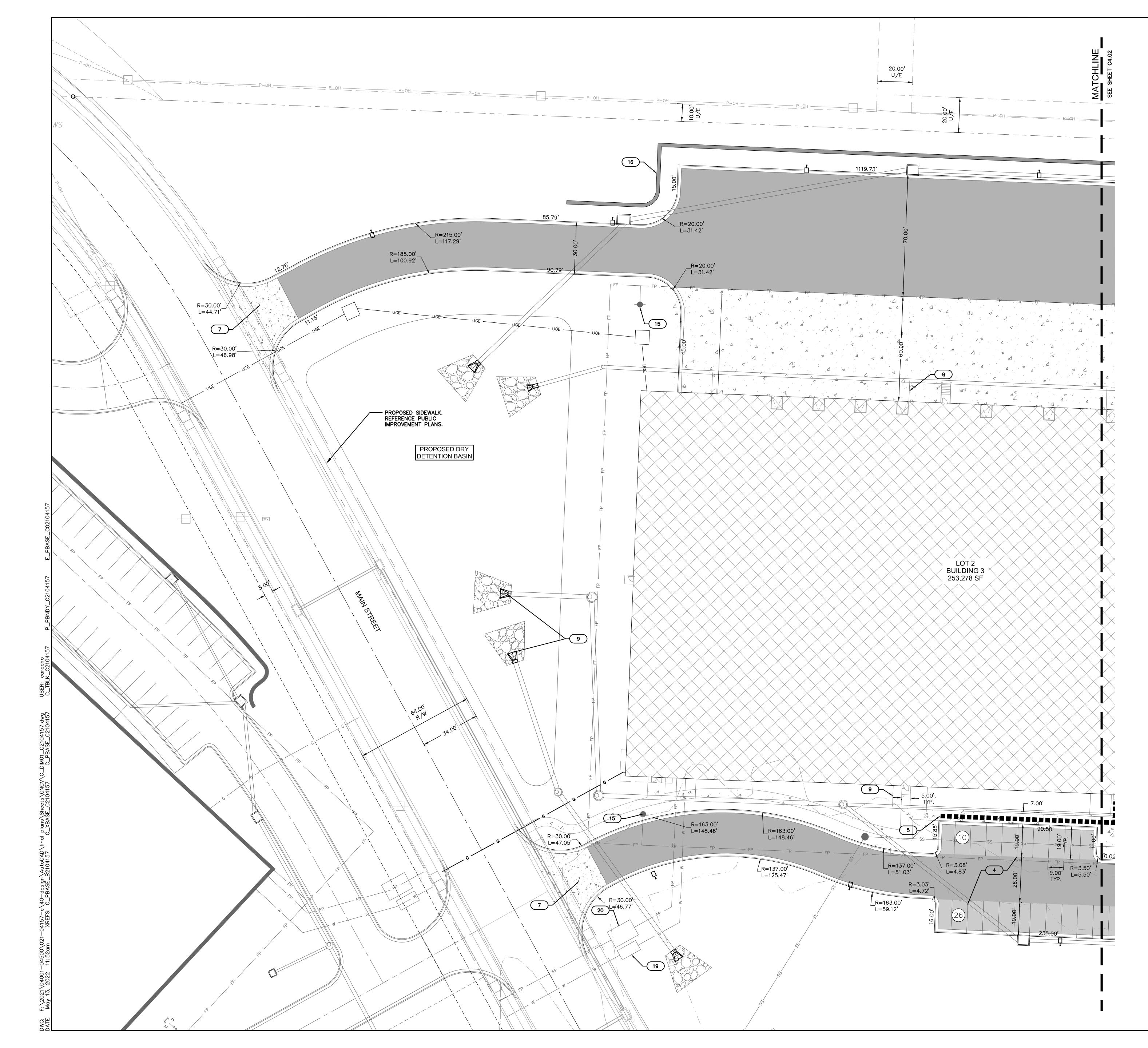
- 1. ALL CONSTRUCTION, SITE PREPARATION, GRADING, AND EXCAVATION PROCEDURES SHALL CONFORM TO RECOMMENDATIONS AS OUTLINED IN THE GEOTECHNICAL REPORT INCLUDING ADDENDUMS. CONTRACTOR SHALL CONTACT ENGINEER WITH ANY DISCREPANCIES OR CONCERNS BASED ON ACTUAL SITE CONDITIONS. 2. GEOTECHNICAL REPORT GOVERNS ONLY IF IT MEETS OR EXCEEDS CITY
- REQUIREMENTS. 3. SUBGRADE STABILIZED WITH 15 PERCENT CLASS "C" FLY ASH, 5 PERCENT LIME
- OR CEMENT.







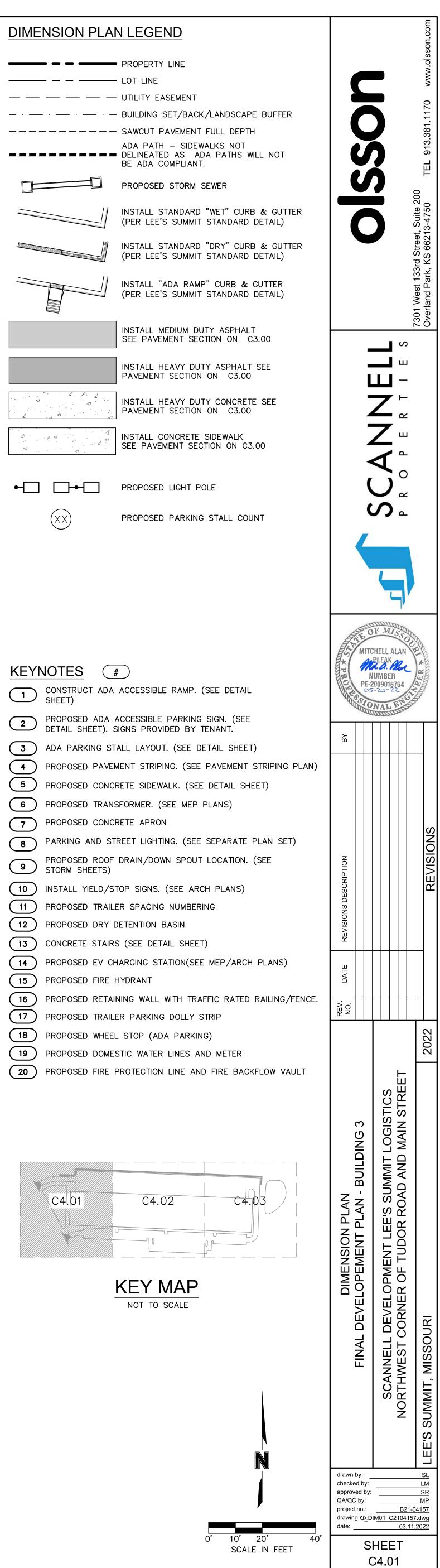
0' 25' 50' SCALE IN FEET \_\_\_\_\_ 100'

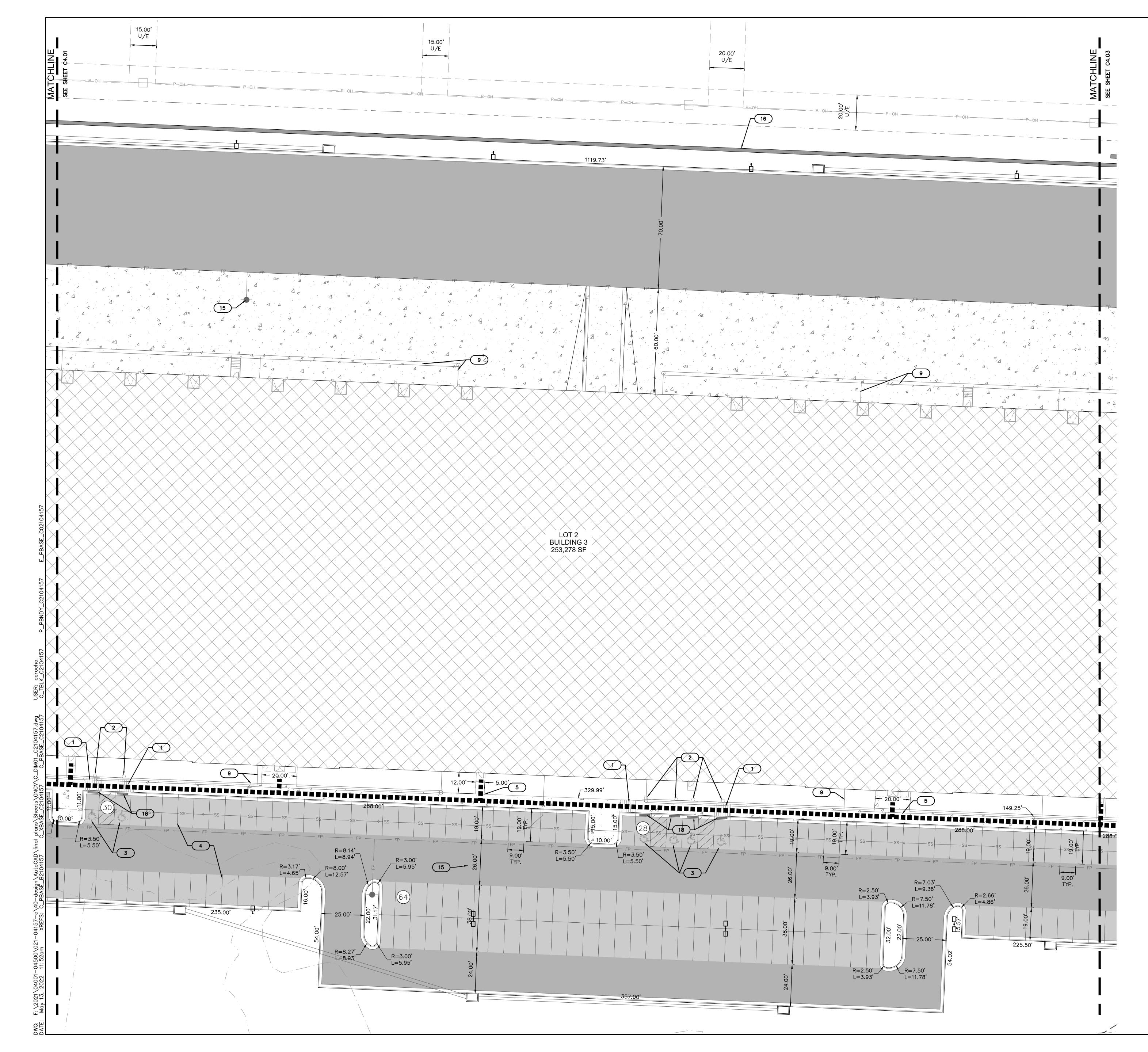


# DIMENSION PLAN LEGEND

	PROPERTY LINE
	LOT LINE
	UTILITY EASEMENT
_ · · · ·	BUILDING SET/BACK/LAND
	SAWCUT PAVEMENT FULL
	ADA PATH – SIDEWALKS N DELINEATED AS ADA PAT BE ADA COMPLIANT.
	PROPOSED STORM SEWER
	INSTALL STANDARD "WET" (PER LEE'S SUMMIT STAND
	INSTALL STANDARD "DRY" (PER LEE'S SUMMIT STAND
	INSTALL "ADA RAMP" CUR (PER LEE'S SUMMIT STAND
	INSTALL MEDIUM DUTY ASF SEE PAVEMENT SECTION O
	INSTALL HEAVY DUTY ASP PAVEMENT SECTION ON C
	INSTALL HEAVY DUTY CON PAVEMENT SECTION ON C
	INSTALL CONCRETE SIDEWA SEE PAVEMENT SECTION O
•	PROPOSED LIGHT POLE
$(\times \times)$	PROPOSED PARKING STALL

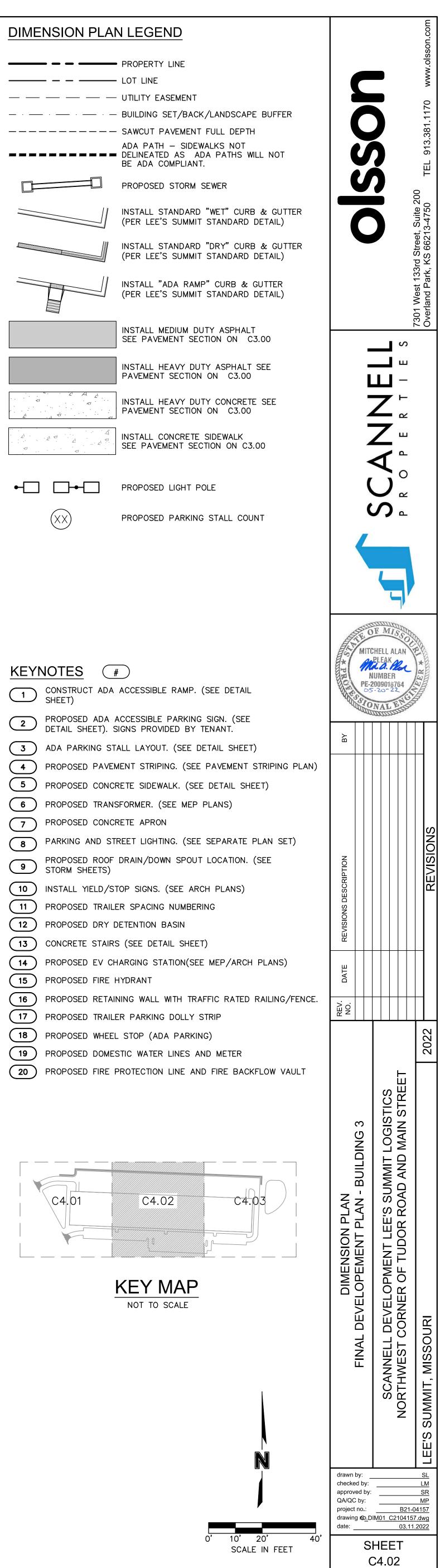
KEYI	NOTES #
1	CONSTRUCT ADA ACCESSIBLE RAMP. (SEE SHEET)
2	PROPOSED ADA ACCESSIBLE PARKING SIGN DETAIL SHEET). SIGNS PROVIDED BY TENAN
3	ADA PARKING STALL LAYOUT. (SEE DETAIL
4	PROPOSED PAVEMENT STRIPING. (SEE PAVE
5	PROPOSED CONCRETE SIDEWALK. (SEE DET
6	PROPOSED TRANSFORMER. (SEE MEP PLAN
7	PROPOSED CONCRETE APRON
8	PARKING AND STREET LIGHTING. (SEE SEPA
9	PROPOSED ROOF DRAIN/DOWN SPOUT LOCA
10	INSTALL YIELD/STOP SIGNS. (SEE ARCH PL
11	PROPOSED TRAILER SPACING NUMBERING
12	PROPOSED DRY DETENTION BASIN
13	CONCRETE STAIRS (SEE DETAIL SHEET)
14	PROPOSED EV CHARGING STATION(SEE MEP
15	PROPOSED FIRE HYDRANT
16	PROPOSED RETAINING WALL WITH TRAFFIC
17	PROPOSED TRAILER PARKING DOLLY STRIP
18	PROPOSED WHEEL STOP (ADA PARKING)
19	PROPOSED DOMESTIC WATER LINES AND ME
$\overline{(20)}$	

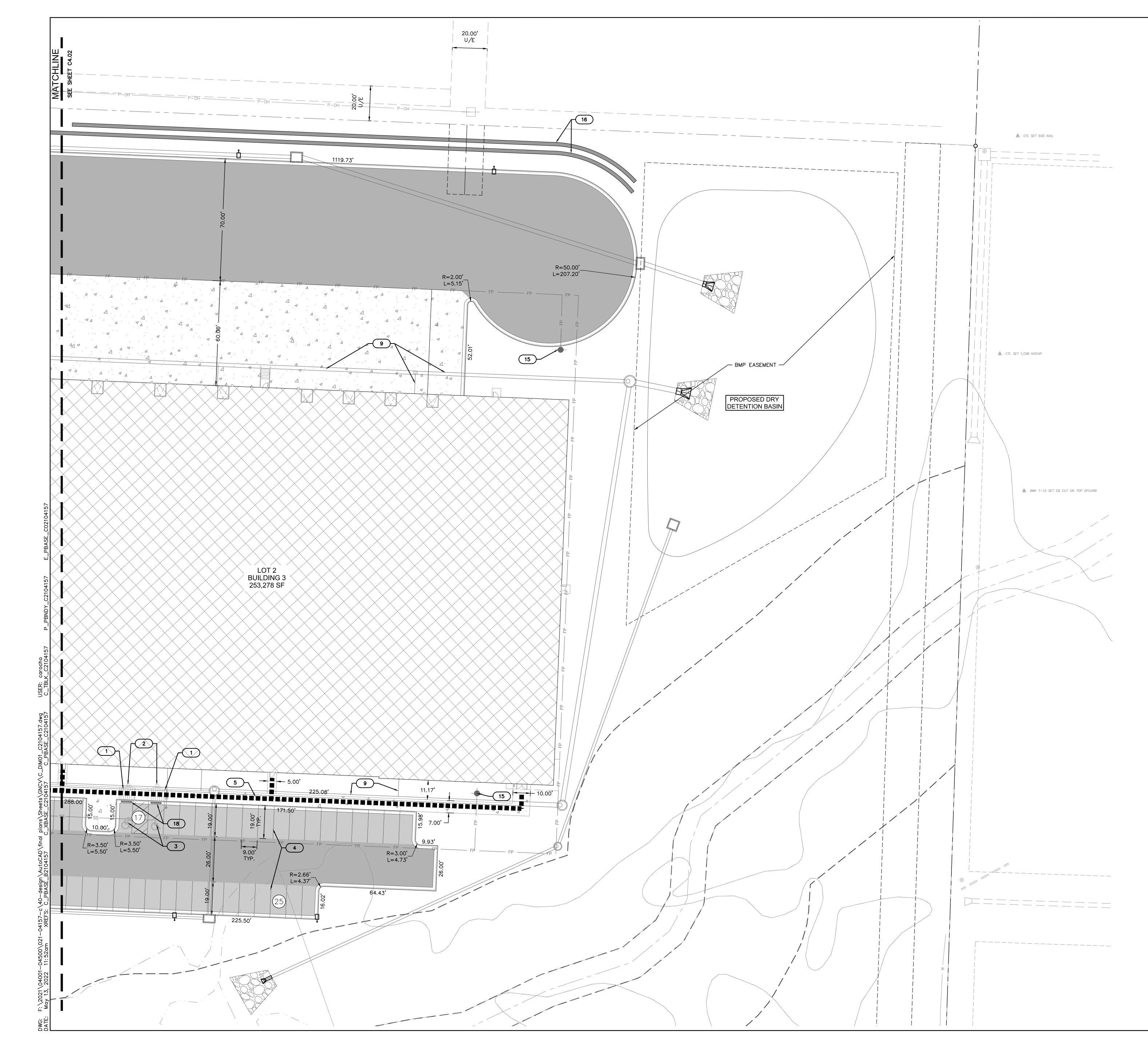




	PROPERTY LINE
	LOT LINE
	UTILITY EASEMENT
_ · · · · ·	BUILDING SET/BACK/LAND
	SAWCUT PAVEMENT FULL
	ADA PATH – SIDEWALKS DELINEATED AS ADA PAT BE ADA COMPLIANT.
	PROPOSED STORM SEWER
	INSTALL STANDARD "WET" (PER LEE'S SUMMIT STANI
	INSTALL STANDARD "DRY" (PER LEE'S SUMMIT STANI
	INSTALL "ADA RAMP" CUR (PER LEE'S SUMMIT STANI
	INSTALL MEDIUM DUTY AS SEE PAVEMENT SECTION (
	INSTALL HEAVY DUTY ASP PAVEMENT SECTION ON (
	INSTALL HEAVY DUTY CON PAVEMENT SECTION ON (
	INSTALL CONCRETE SIDEW, SEE PAVEMENT SECTION C
•	PROPOSED LIGHT POLE
$(\times \times)$	PROPOSED PARKING STALI

KEYN	NOTES (#)
	CONSTRUCT ADA ACCESSIBLE RAMP. (SEE SHEET)
2	PROPOSED ADA ACCESSIBLE PARKING SIGN DETAIL SHEET). SIGNS PROVIDED BY TENAN
3	ADA PARKING STALL LAYOUT. (SEE DETAIL
4	PROPOSED PAVEMENT STRIPING. (SEE PAVE
5	PROPOSED CONCRETE SIDEWALK. (SEE DET
6	PROPOSED TRANSFORMER. (SEE MEP PLAN
7	PROPOSED CONCRETE APRON
8	PARKING AND STREET LIGHTING. (SEE SEP
9	PROPOSED ROOF DRAIN/DOWN SPOUT LOC. STORM SHEETS)
10	INSTALL YIELD/STOP SIGNS. (SEE ARCH PL
11	PROPOSED TRAILER SPACING NUMBERING
12	PROPOSED DRY DETENTION BASIN
13	CONCRETE STAIRS (SEE DETAIL SHEET)
14	PROPOSED EV CHARGING STATION(SEE MER
15	PROPOSED FIRE HYDRANT
16	PROPOSED RETAINING WALL WITH TRAFFIC
17	PROPOSED TRAILER PARKING DOLLY STRIP
18	PROPOSED WHEEL STOP (ADA PARKING)
19	PROPOSED DOMESTIC WATER LINES AND MI
20	PROPOSED FIRE PROTECTION LINE AND FIR

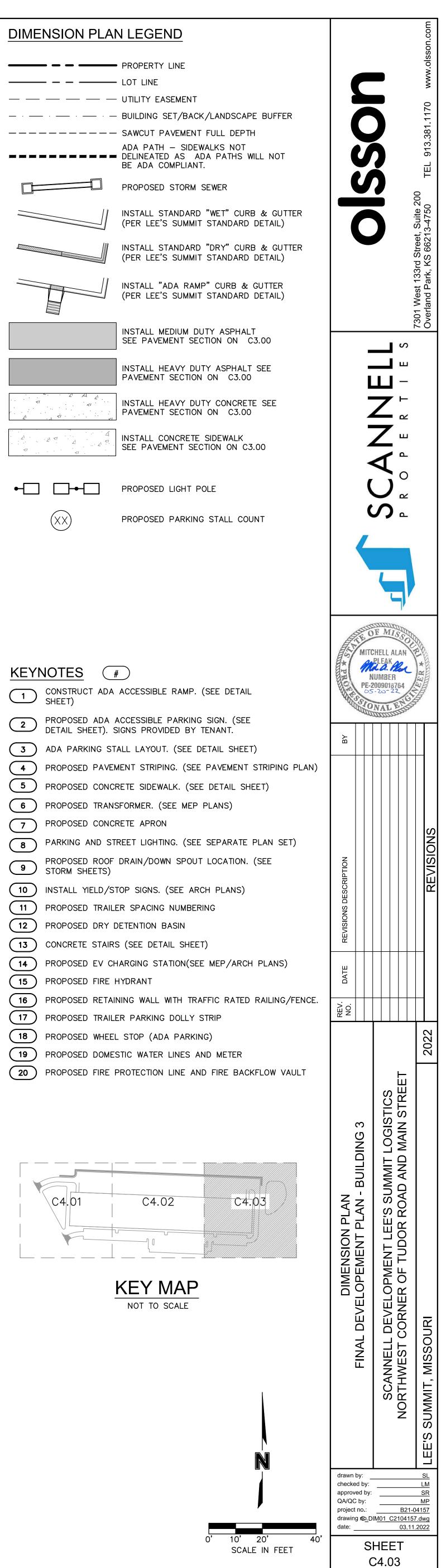


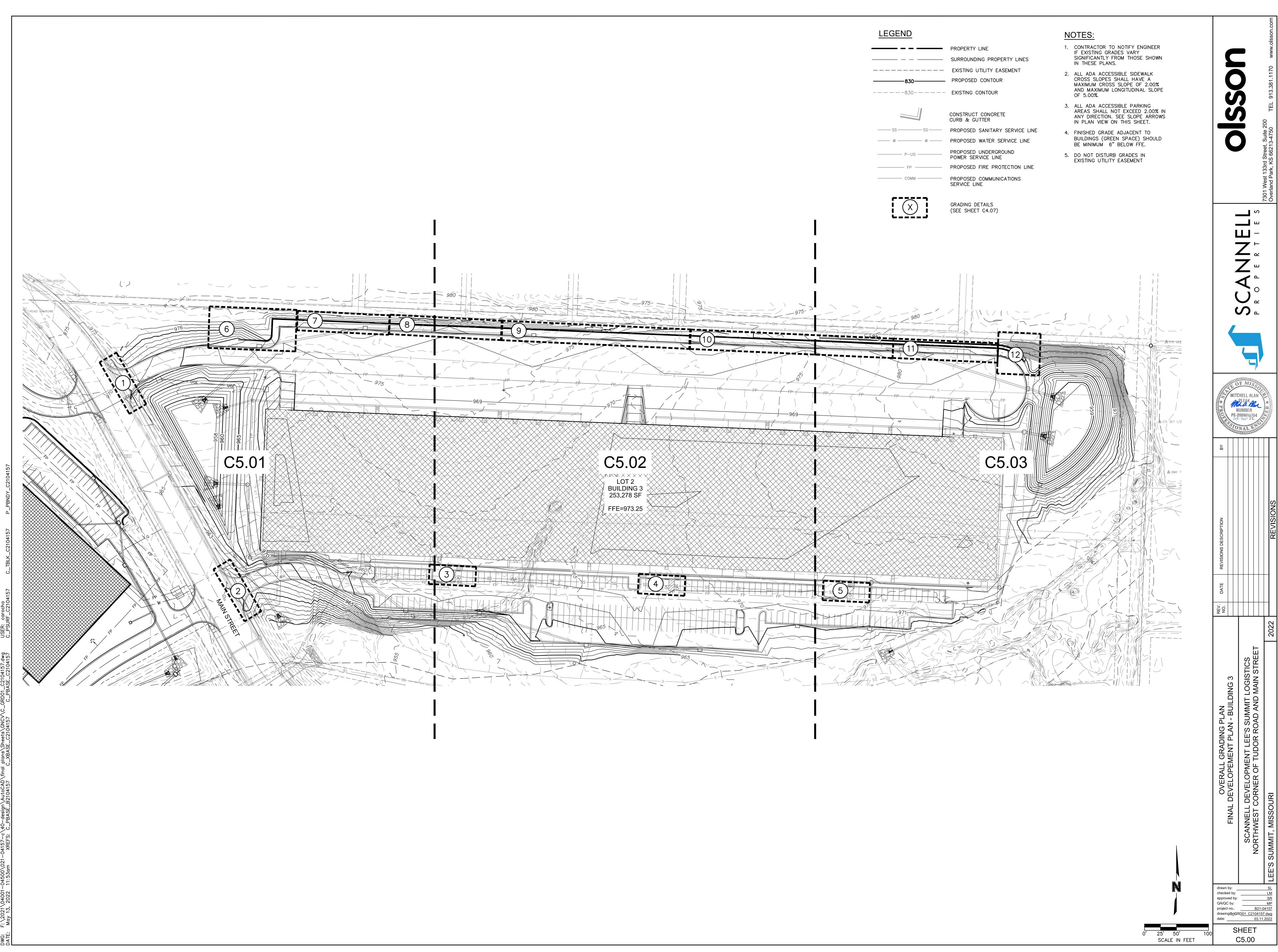


# DIMENSION PLAN LEGEND

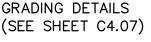
	PROPERTY LINE
	LOT LINE
	UTILITY EASEMENT
_ · · · ·	BUILDING SET/BACK/LANE
	SAWCUT PAVEMENT FULL
	ADA PATH – SIDEWALKS DELINEATED AS ADA PA BE ADA COMPLIANT.
	PROPOSED STORM SEWER
	INSTALL STANDARD "WET" (PER LEE'S SUMMIT STAN
	INSTALL STANDARD "DRY" (PER LEE'S SUMMIT STAN
	INSTALL "ADA RAMP" CUF (PER LEE'S SUMMIT STANI
	INSTALL MEDIUM DUTY AS SEE PAVEMENT SECTION (
	INSTALL HEAVY DUTY ASP PAVEMENT SECTION ON
	INSTALL HEAVY DUTY COM PAVEMENT SECTION ON
	INSTALL CONCRETE SIDEW SEE PAVEMENT SECTION (
•	PROPOSED LIGHT POLE
XX	PROPOSED PARKING STAL

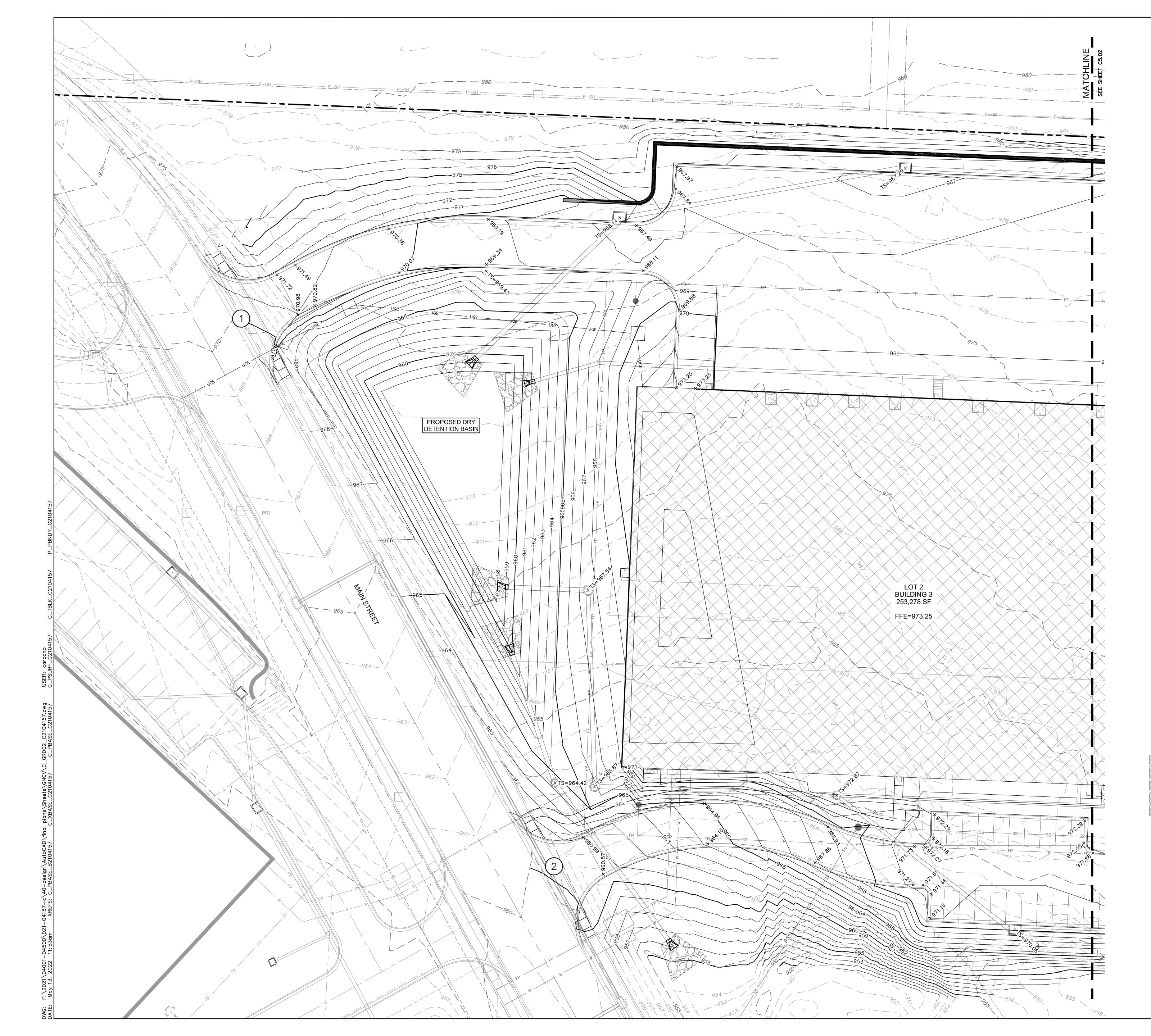
KEYI	NOTES #
1	CONSTRUCT ADA ACCESSIBLE RAMP. (SEE SHEET)
2	PROPOSED ADA ACCESSIBLE PARKING SIGN DETAIL SHEET). SIGNS PROVIDED BY TENAN
3	ADA PARKING STALL LAYOUT. (SEE DETAIL
4	PROPOSED PAVEMENT STRIPING. (SEE PAVE
5	PROPOSED CONCRETE SIDEWALK. (SEE DET.
6	PROPOSED TRANSFORMER. (SEE MEP PLAN
7	PROPOSED CONCRETE APRON
8	PARKING AND STREET LIGHTING. (SEE SEPA
9	PROPOSED ROOF DRAIN/DOWN SPOUT LOCA STORM SHEETS)
10	INSTALL YIELD/STOP SIGNS. (SEE ARCH PL
11	PROPOSED TRAILER SPACING NUMBERING
12	PROPOSED DRY DETENTION BASIN
13	CONCRETE STAIRS (SEE DETAIL SHEET)
14	PROPOSED EV CHARGING STATION(SEE MEP
15	PROPOSED FIRE HYDRANT
16	PROPOSED RETAINING WALL WITH TRAFFIC
17	PROPOSED TRAILER PARKING DOLLY STRIP
18	PROPOSED WHEEL STOP (ADA PARKING)
19	PROPOSED DOMESTIC WATER LINES AND ME
20	PROPOSED FIRE PROTECTION LINE AND FIRE

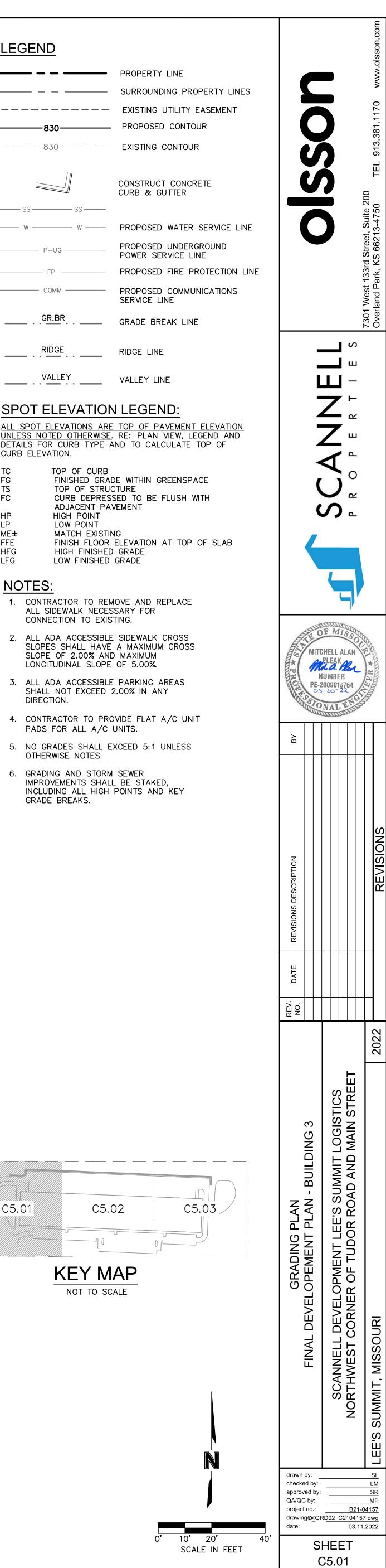




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P-UG
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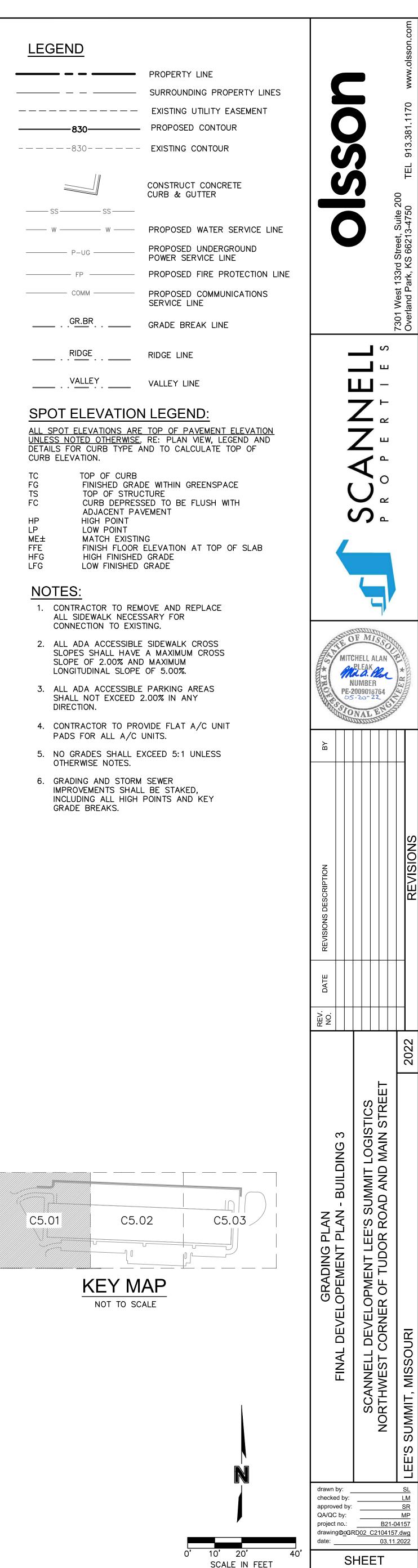


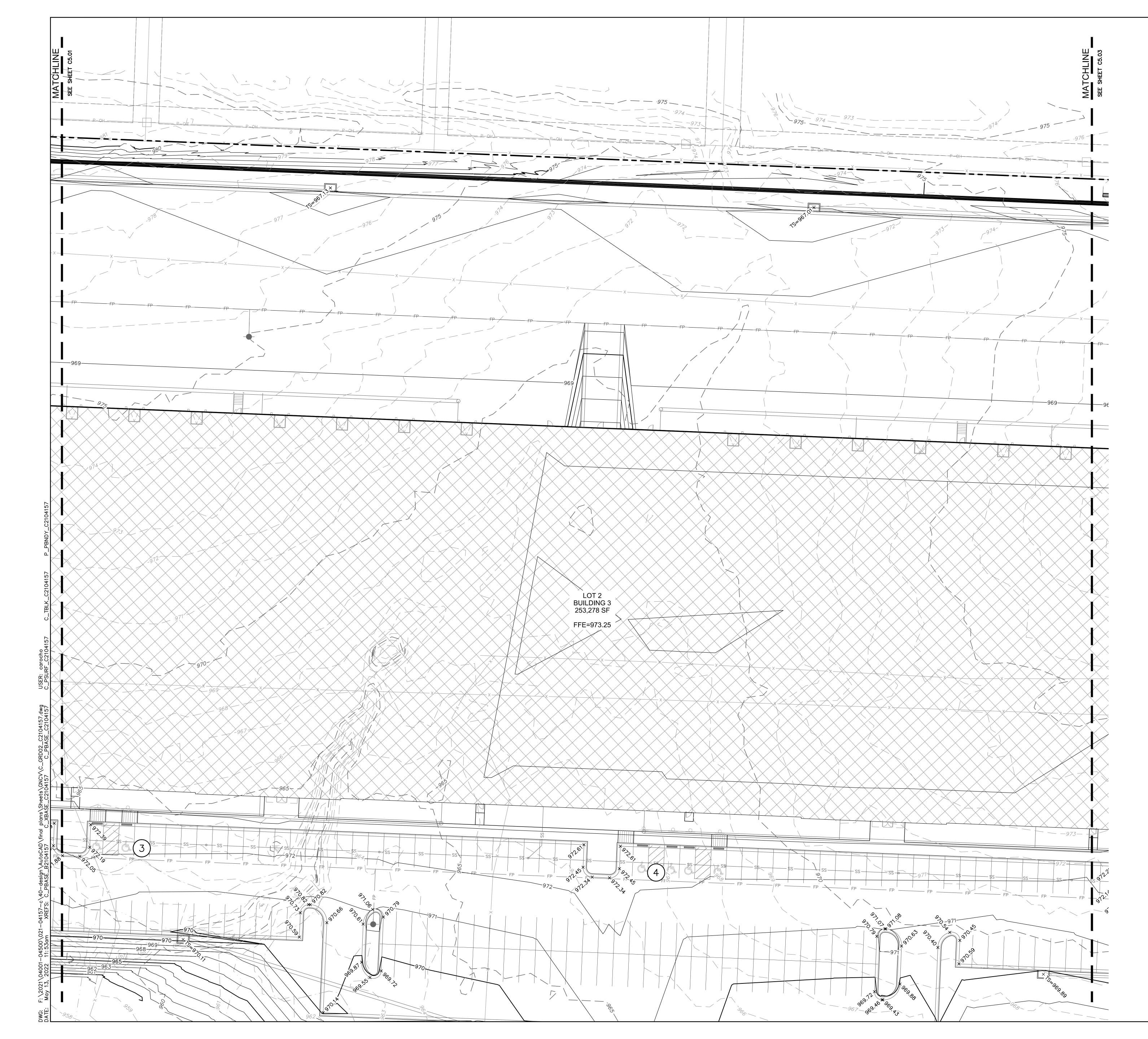


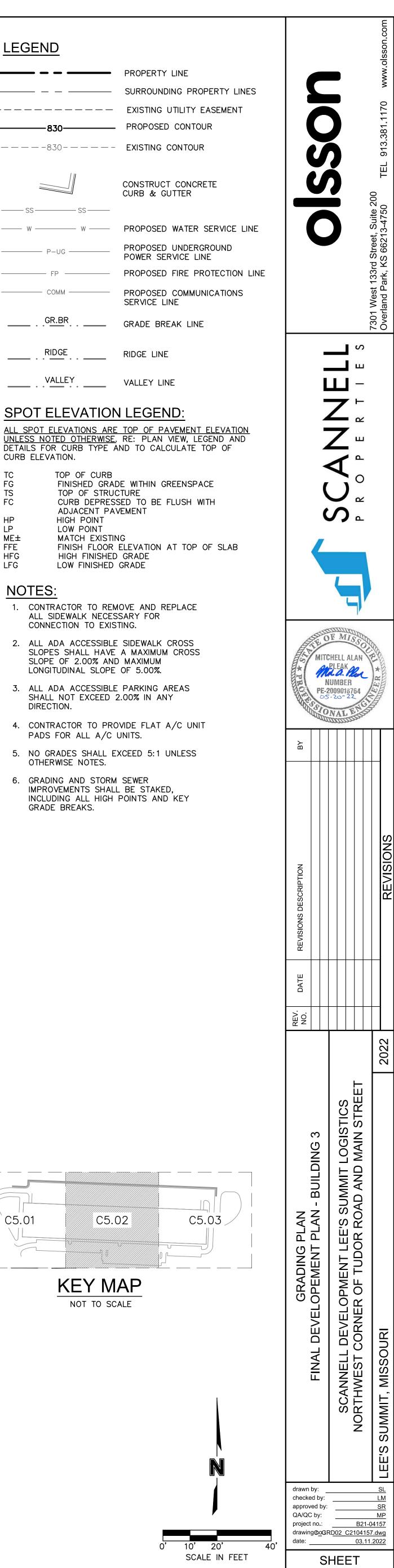


CURB EL	EVATION.
тс	TOP OF CURB
FG	FINISHED GRADE WITHIN GREE
TS	TOP OF STRUCTURE
FC	CURB DEPRESSED TO BE FLU
	ADJACENT PAVEMENT
HP	HIGH POINT
LP	LOW POINT
ME±	MATCH EXISTING

	LUW PUINT	
E±	MATCH EXISTING	
ΞE	FINISH FLOOR ELEVATION	AT
FG	HIGH FINISHED GRADE	
G	LOW FINISHED GRADE	



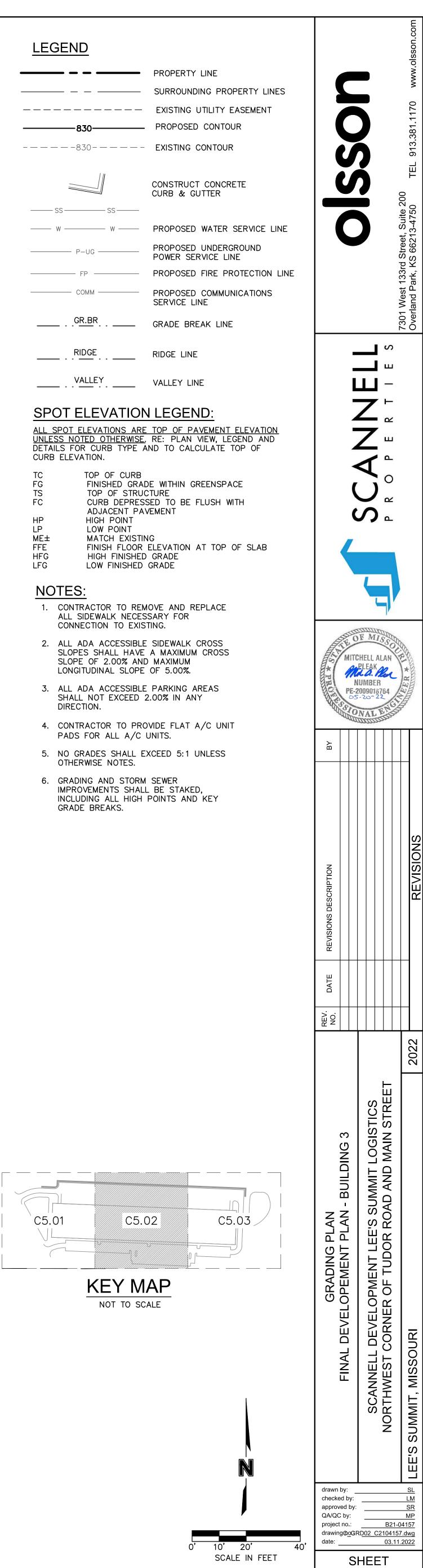


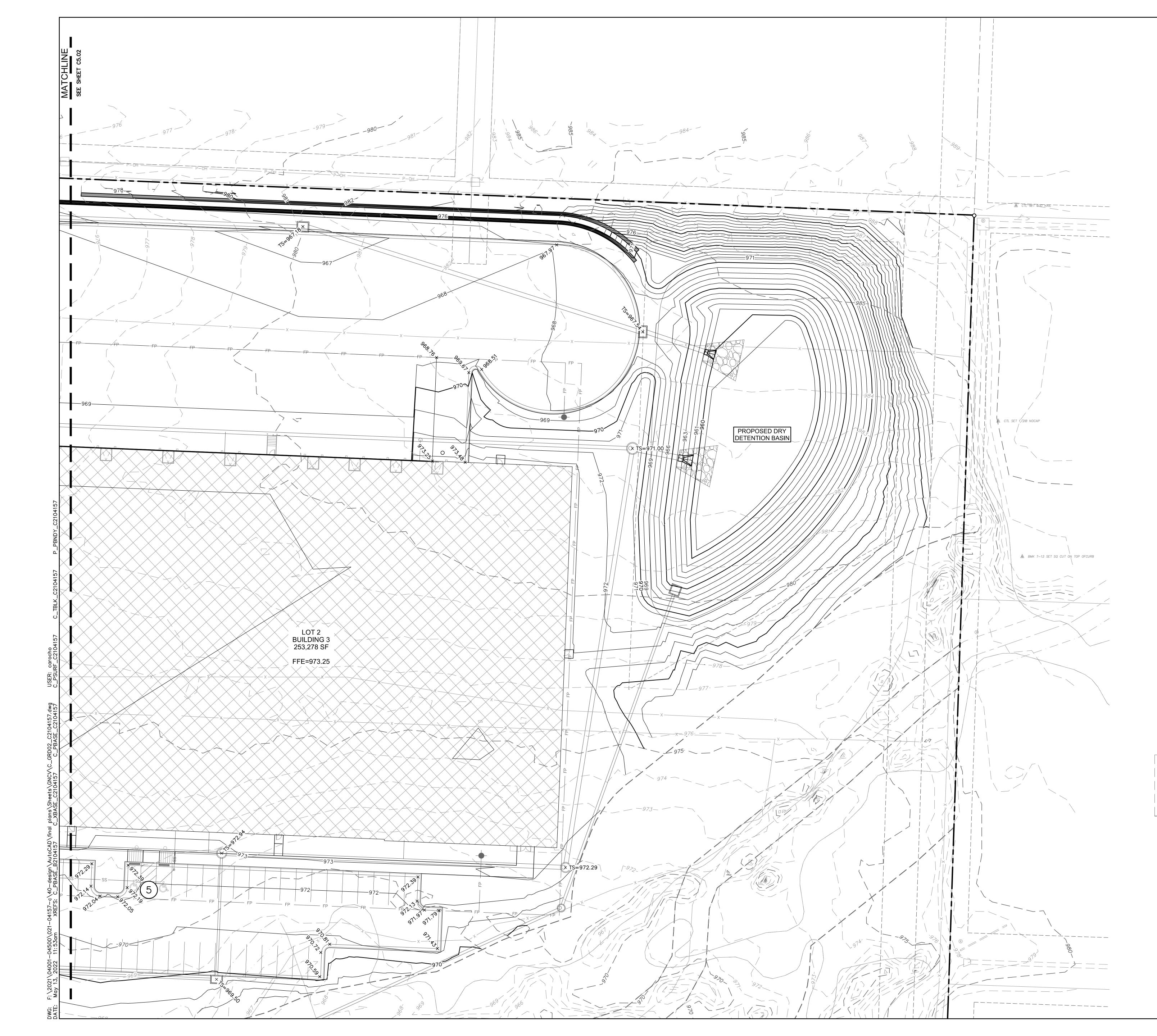


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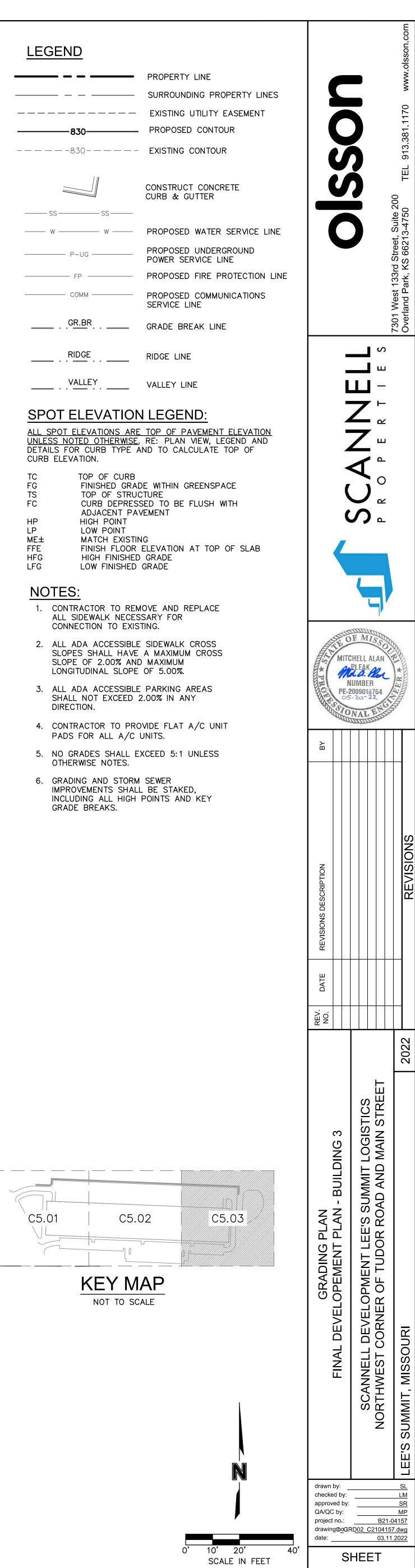
TOP OF CURB
FINISHED GRADE WITHIN GRE
TOP OF STRUCTURE
CURB DEPRESSED TO BE FLU
ADJACENT PAVEMENT
HIGH POINT
LOW POINT
MATCH EXISTING
FINISH FLOOR ELEVATION AT
HIGH FINISHED GRADE
LOW FINISHED GRADE



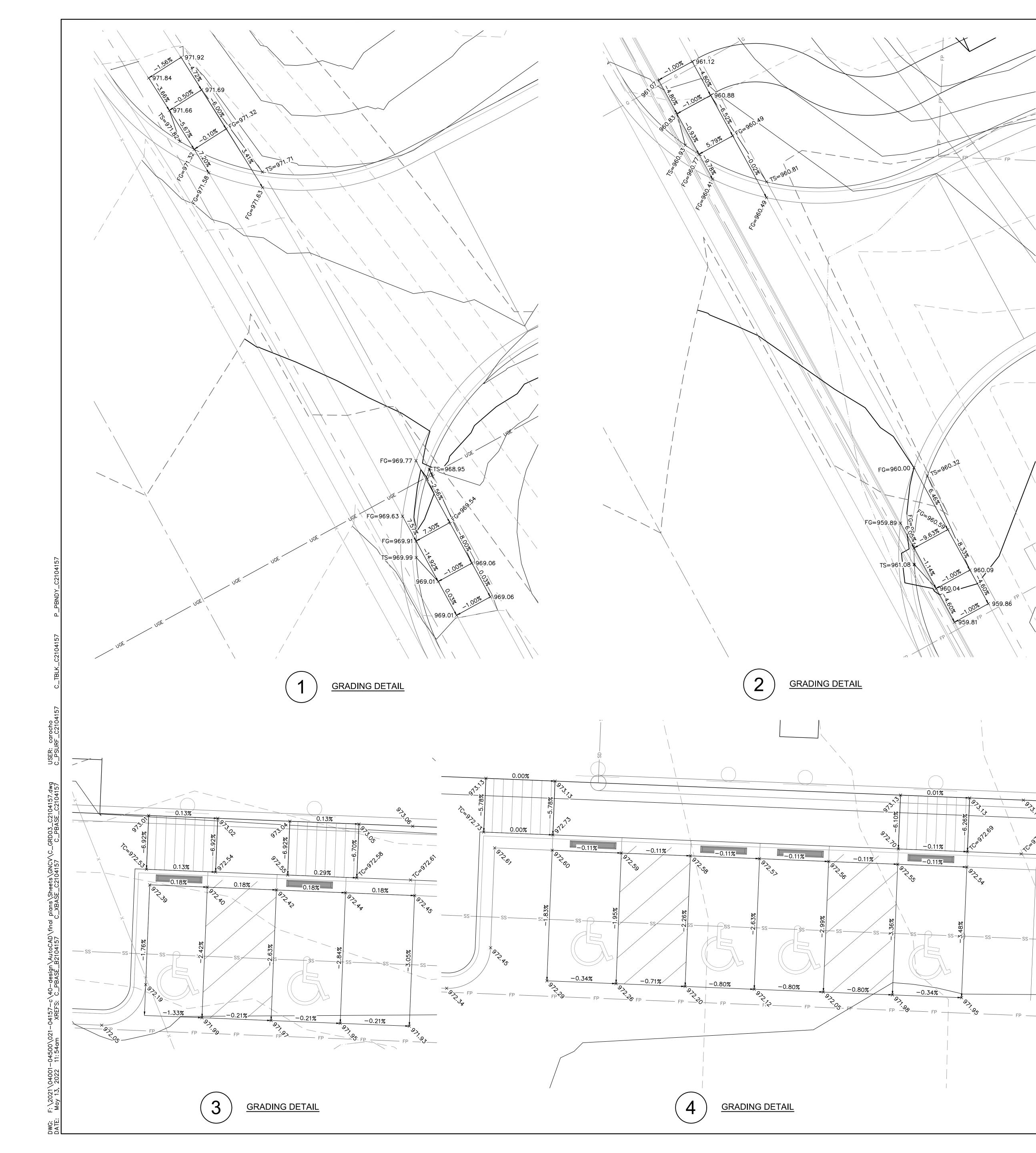


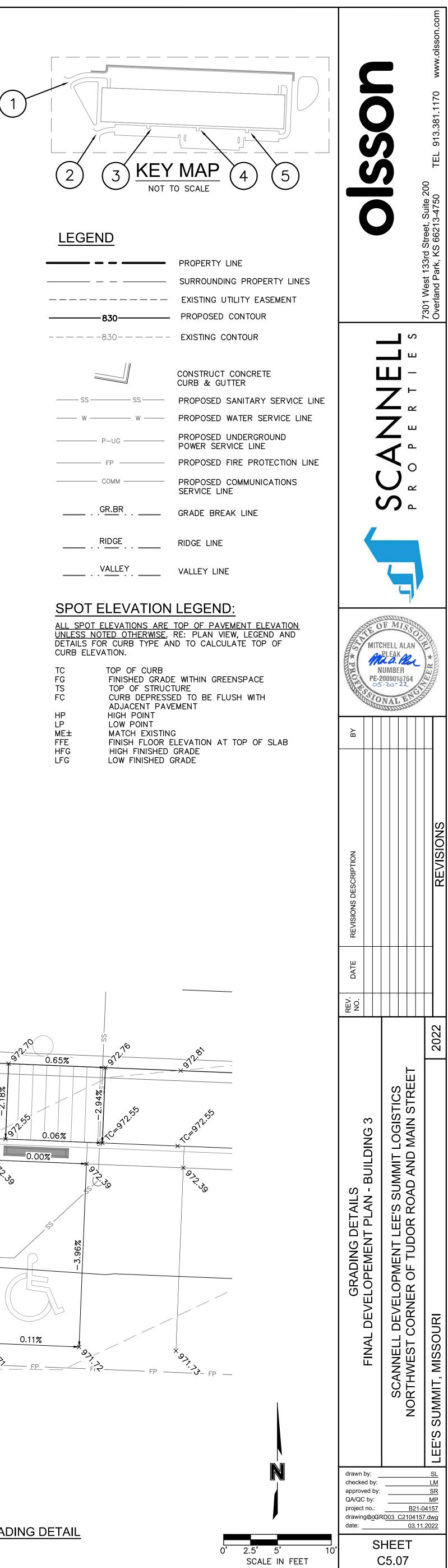
- W W	PROPOSED W
P-UG	PROPOSED U POWER SERV
FP	PROPOSED F
СОММ	PROPOSED C SERVICE LINE
G <u>R.B</u> R	GRADE BREA
RIDGE	RIDGE LINE
VALLEY	

CURB	ELEVATION.
TC FG TS	TOP OF CURB FINISHED GRADE WITHIN GREI TOP OF STRUCTURE
FC	CURB DEPRESSED TO BE FLU ADJACENT PAVEMENT
HP	HIGH POINT
LP ME± FFE HFG LFG	LOW POINT MATCH EXISTING FINISH FLOOR ELEVATION AT HIGH FINISHED GRADE LOW FINISHED GRADE



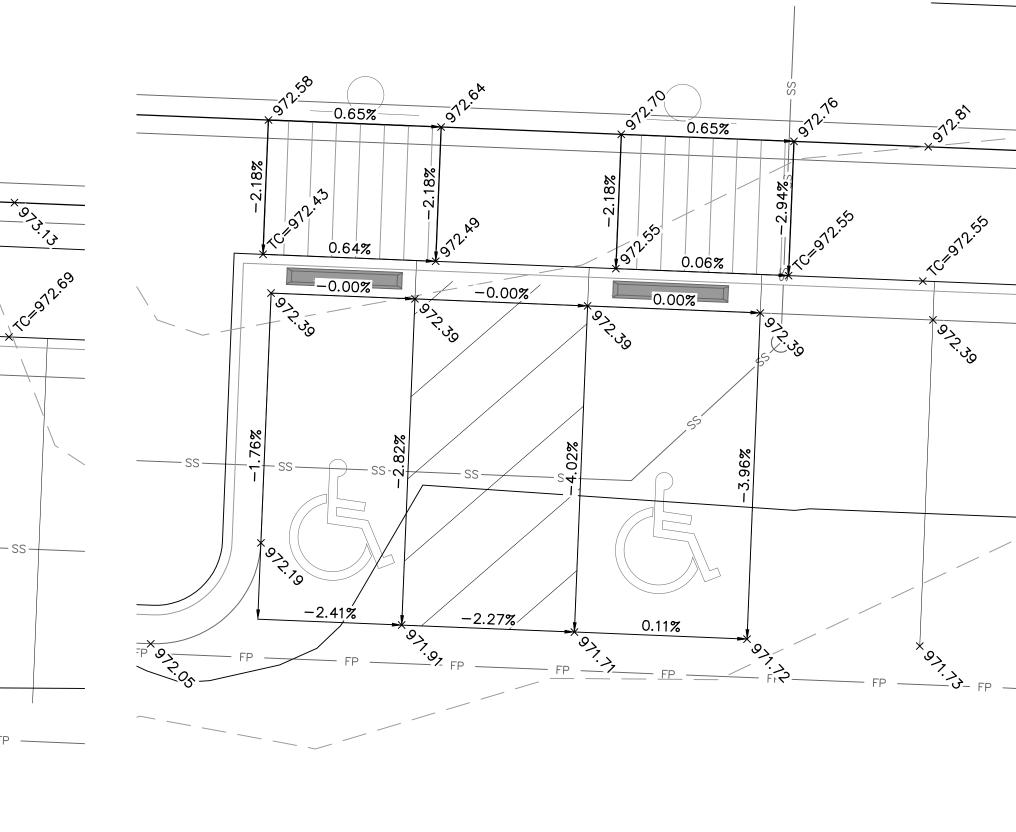
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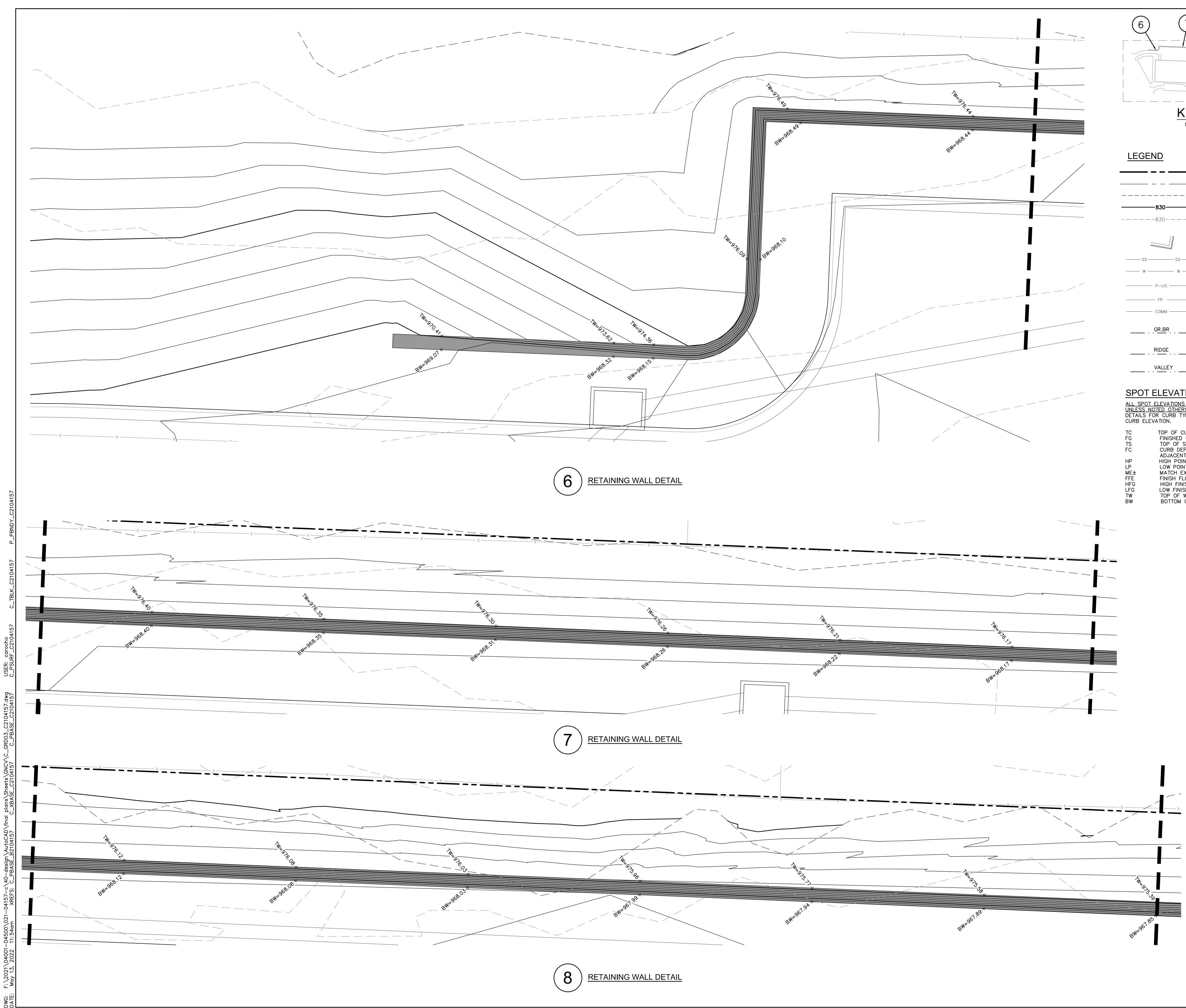


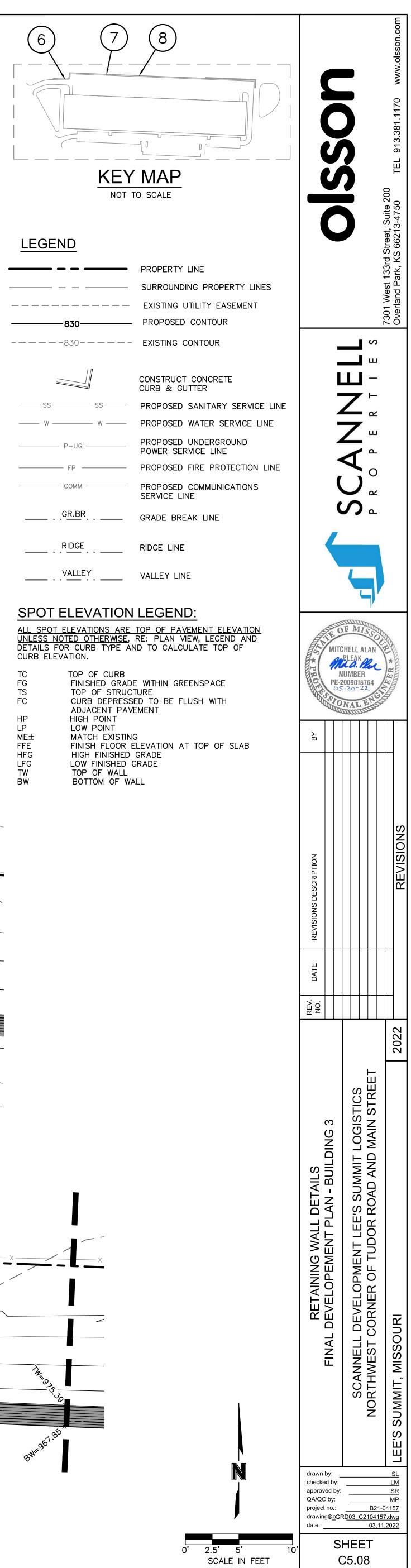
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G <u>R.B</u> R	GRADE BREA
RIDGE	RIDGE LINE
VALLEY	

TC	TOP OF CURB
FG	FINISHED GRADE WITHIN GREE
TS	TOP OF STRUCTURE
FC	CURB DEPRESSED TO BE FLU
	ADJACENT PAVEMENT
HP	HIGH POINT
LP	LOW POINT
ME±	MATCH EXISTING
FFE	FINISH FLOOR ELEVATION AT
HFG	HIGH FINISHED GRADE
LFG	LOW FINISHED GRADE



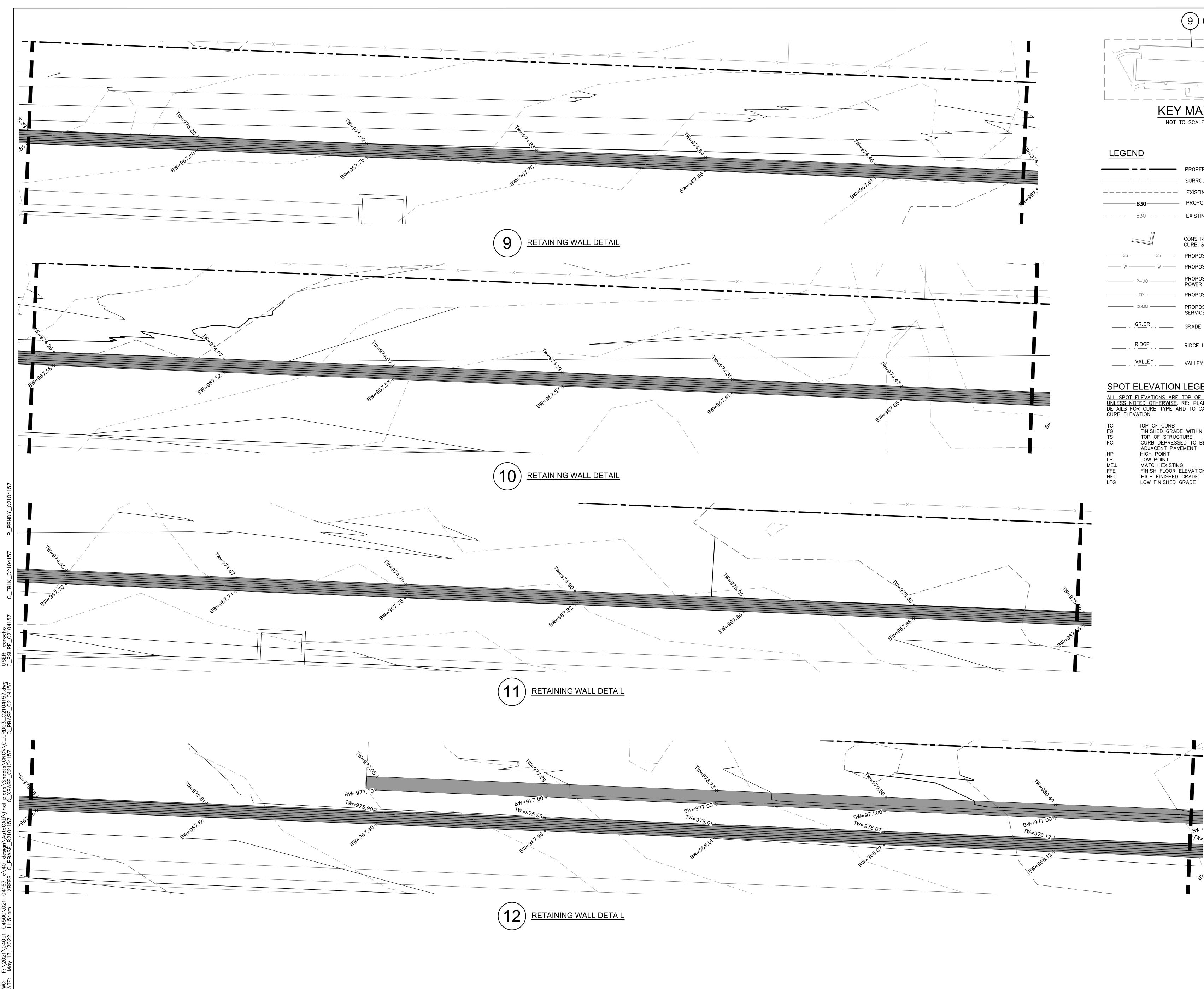


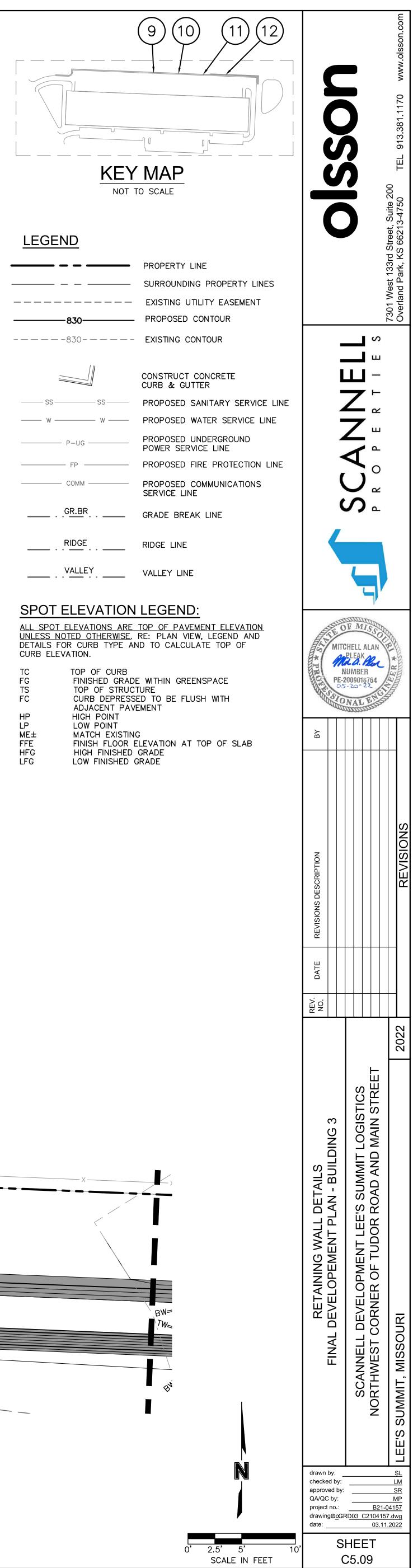




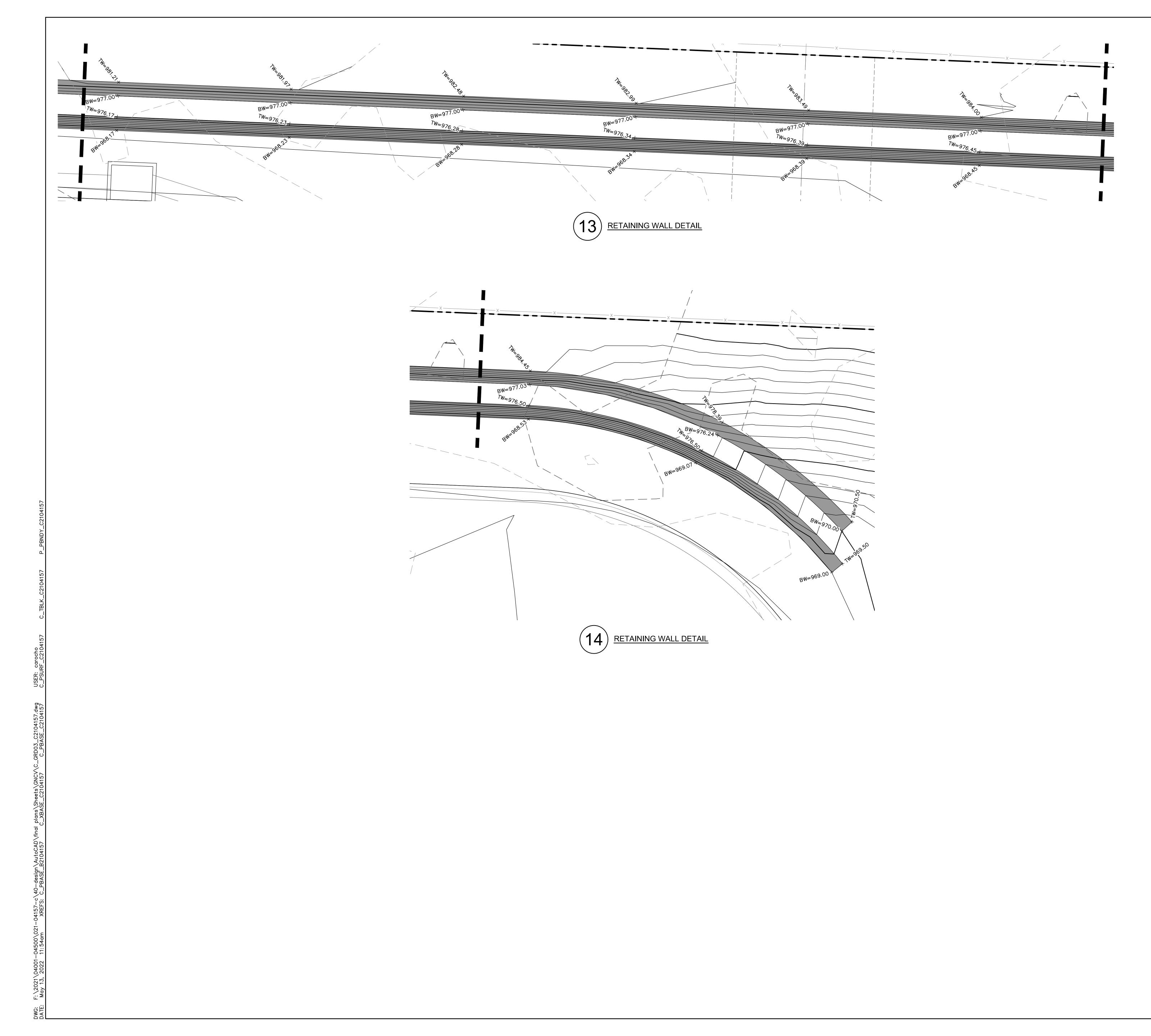
	EXISTING
	CONSTRUC CURB & G
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W W	PROPOSED
P-UG	PROPOSED POWER SE
FP	PROPOSED
COMM	PROPOSED SERVICE LI
GR.BR	GRADE BRI
RIDGE	RIDGE LINE
VALLEY	VALLEY LIN

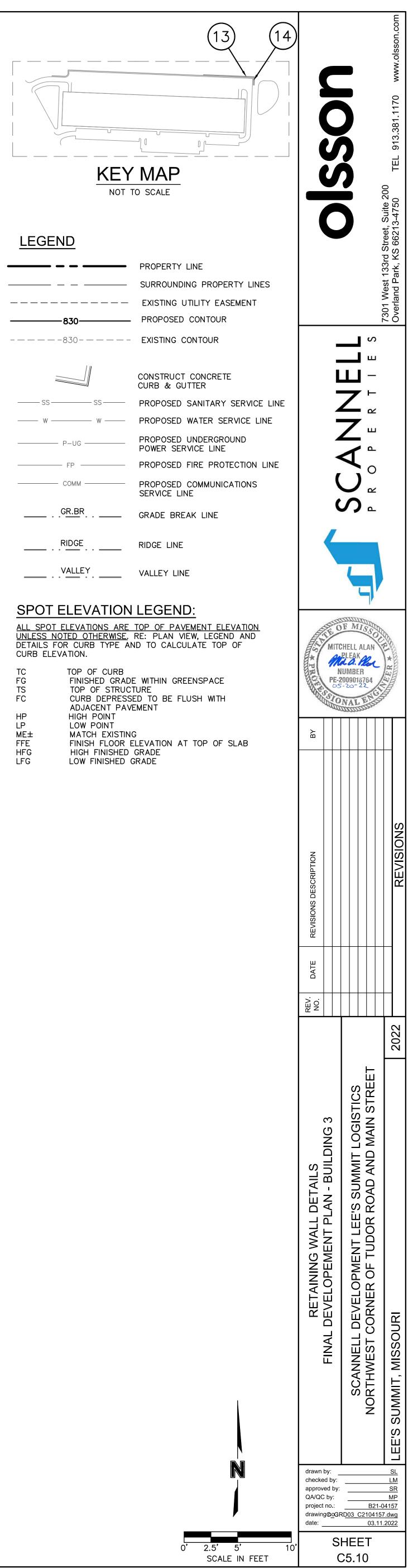
TOP OF CURB FINISHED GRADE WITHIN GRE TOP OF STRUCTURE CURB DEPRESSED TO BE FLU ADJACENT PAVEMENT HIGH POINT LOW POINT MATCH EXISTING FINISH FLOOR ELEVATION AT





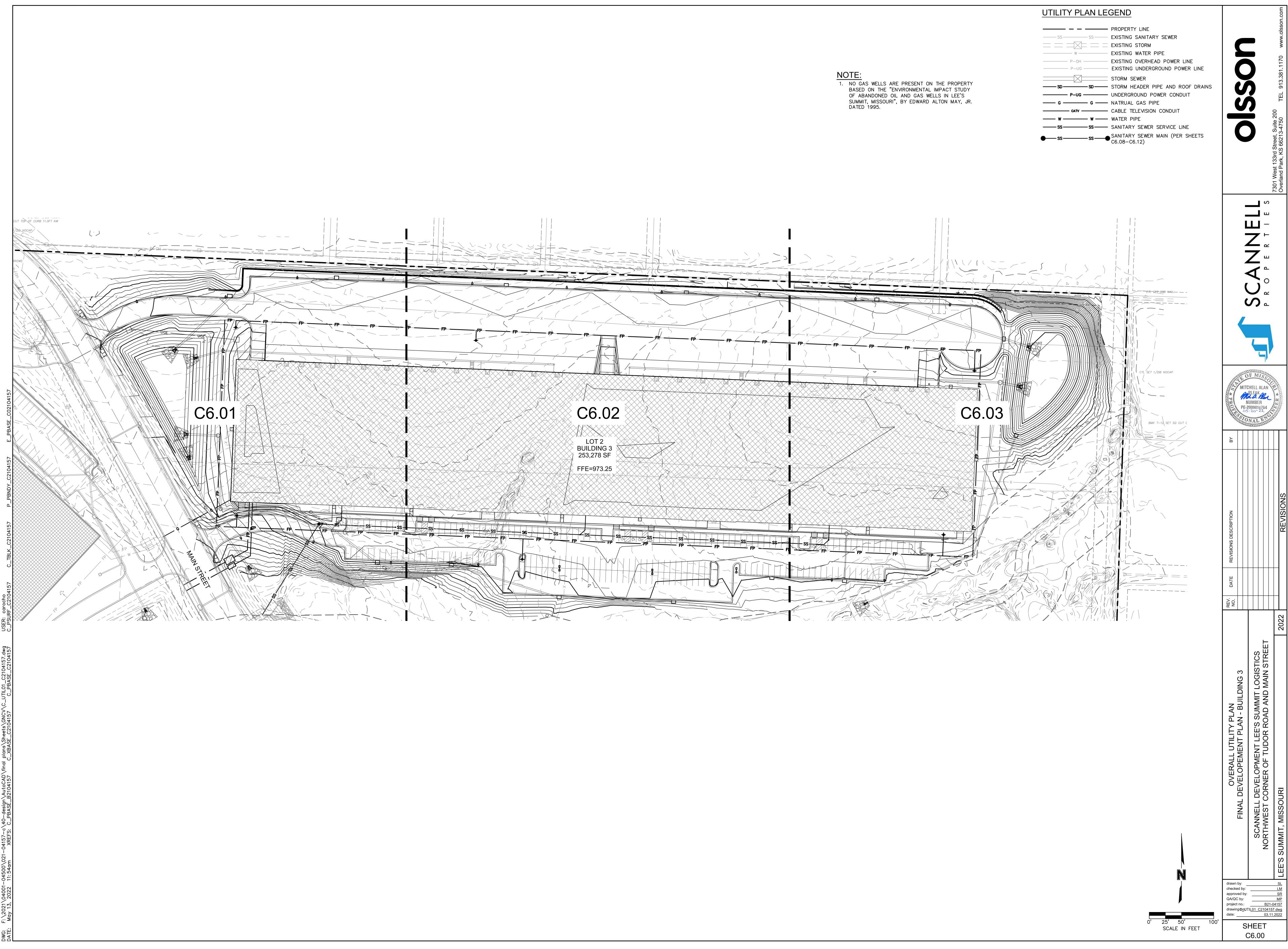
	TOP OF CURB FINISHED GRADE WITHIN GREE TOP OF STRUCTURE CURB DEPRESSED TO BE FLU ADJACENT PAVEMENT
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± -	MATCH EXISTING FINISH FLOOR ELEVATION AT
± 	HIGH FINISHED GRADE

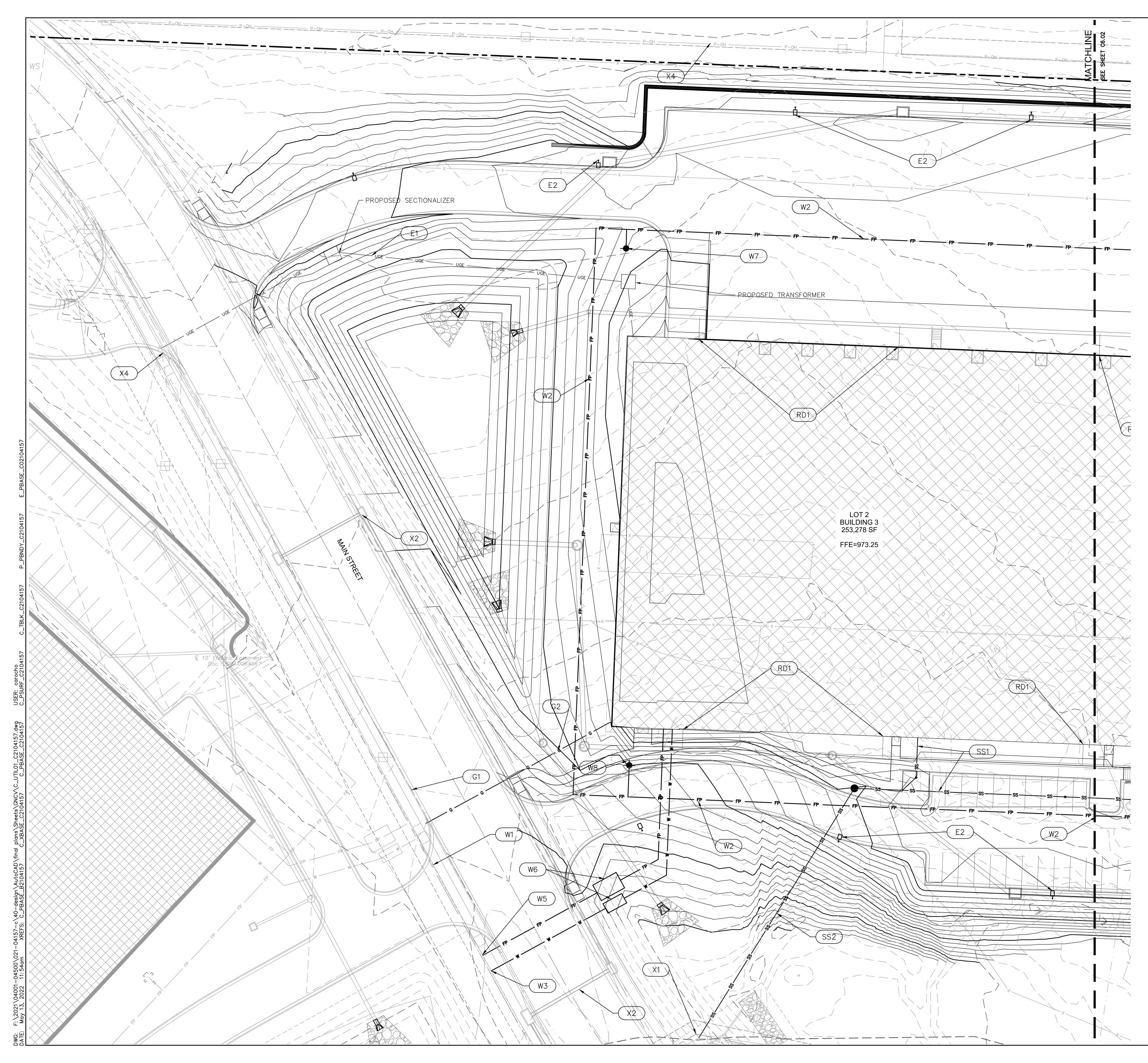




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VALLEY	VALLEY LINE

TC	TOP OF CURB
FG	FINISHED GRADE WITHIN GREE
TS	TOP OF STRUCTURE
FC	CURB DEPRESSED TO BE FLU
	ADJACENT PAVEMENT
HP	HIGH POINT
LP	LOW POINT
ME±	MATCH EXISTING
FFE	FINISH FLOOR ELEVATION AT
HFG	HIGH FINISHED GRADE
LFG	LOW FINISHED GRADE



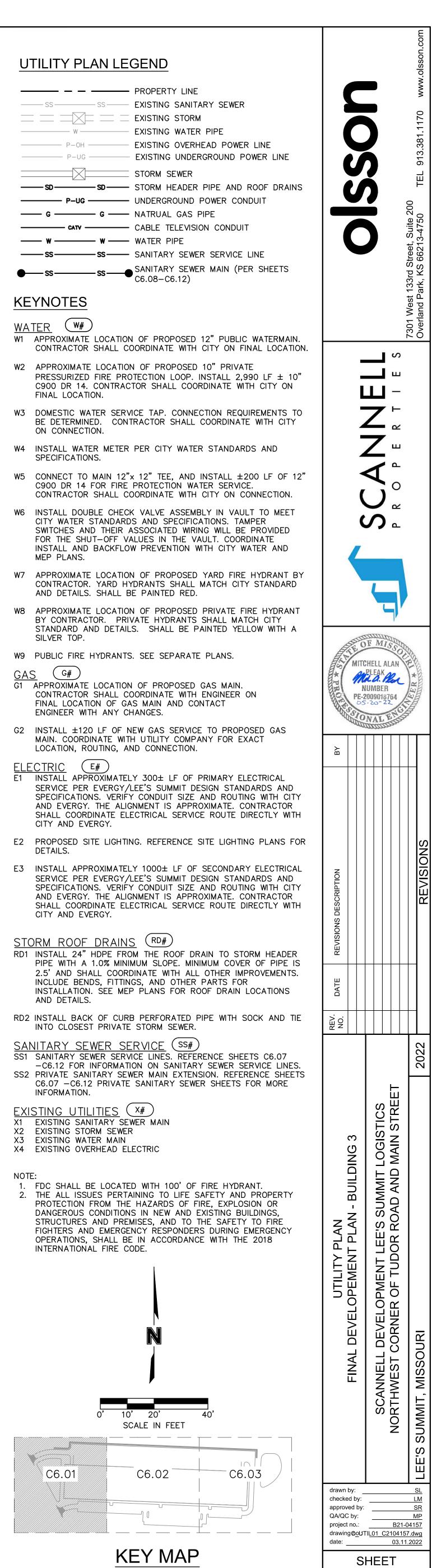


	PROPERTY LINE
- SS	EXISTING SANITARY
	EXISTING STORM
	EXISTING WATER PIF
	EXISTING OVERHEAD
	EXISTING UNDERGRO
	STORM SEWER
- SD	STORM HEADER PIP
	UNDERGROUND POW
- G ——	NATRUAL GAS PIPE
	CABLE TELEVISION (
- w —	WATER PIPE
- SS	SANITARY SEWER SE
- ss ——	SANITARY SEWER M
	- SD - SD - G - W - SS

# **KEYNOTES**

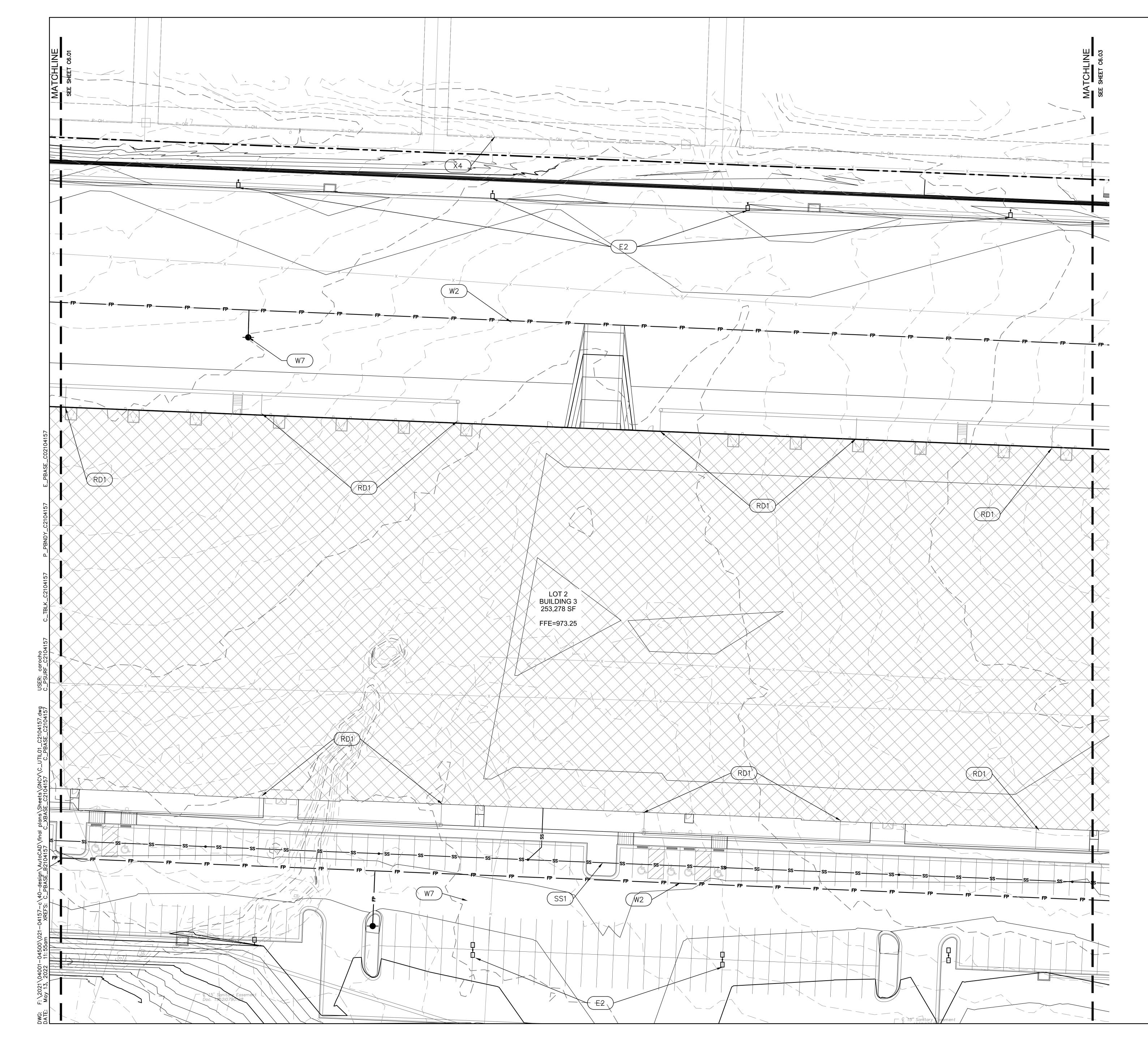
- FINAL LOCATION.
- ON CONNECTION.
- SPECIFICATIONS.
- MEP PLANS.
- AND DETAILS. SHALL BE PAINTED RED.
- SILVER TOP.
- ENGINEER WITH ANY CHANGES.
- LOCATION, ROUTING, AND CONNECTION.
- DETAILS.
- CITY AND EVERGY.

- AND DETAILS.
- INTO CLOSEST PRIVATE STORM SEWER.
- SANITARY SEWER SERVICE (SS#)
- INFORMATION.
- X3 EXISTING WATER MAIN
- X4 EXISTING OVERHEAD ELECTRIC



NOT TO SCALE

C6.01



# UTILITY PLAN LEGEND

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# **KEYNOTES**

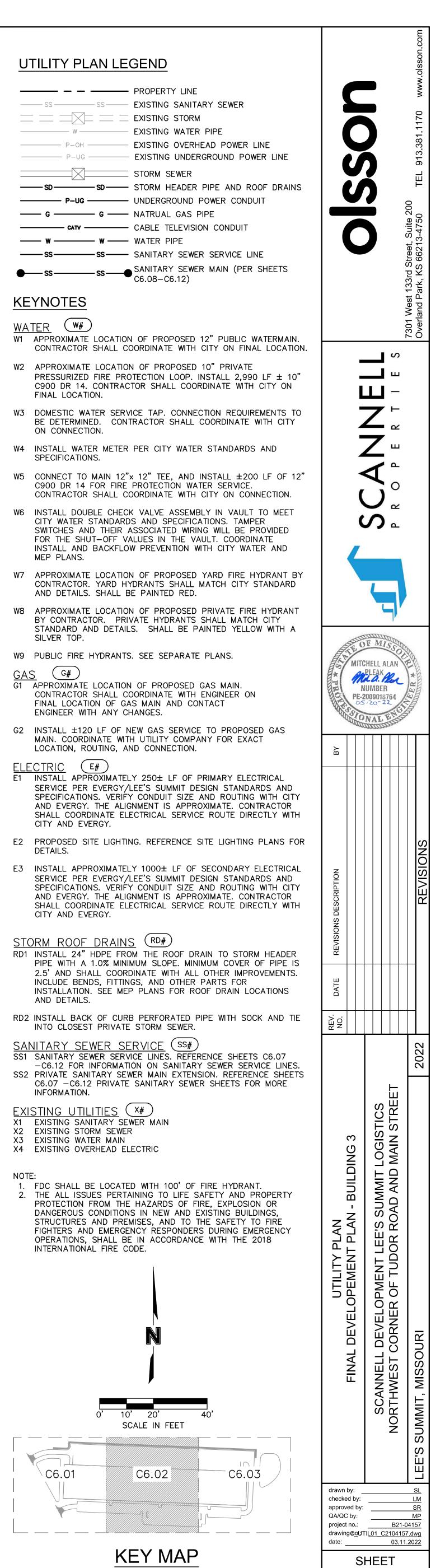
- FINAL LOCATION.

- MEP PLANS.
- AND DETAILS. SHALL BE PAINTED RED.
- SILVER TOP.
- ENGINEER WITH ANY CHANGES.
- LOCATION, ROUTING, AND CONNECTION.

- AND DETAILS.

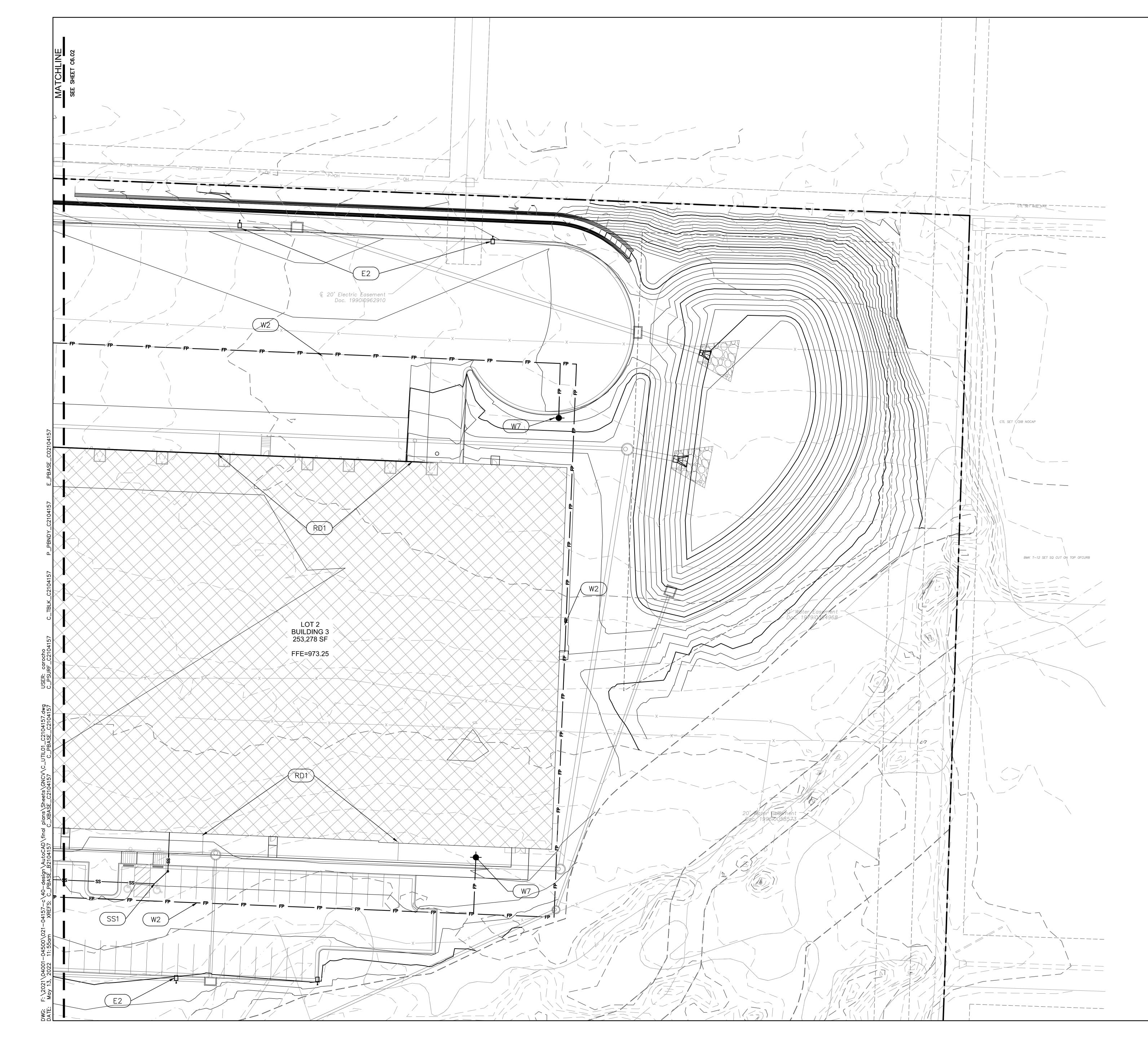
SANITARY SEWER SERVICE (SS#)

- X2 EXISTING STORM SEWER
- X4 EXISTING OVERHEAD ELECTRIC



NOT TO SCALE

C6.02



TILITY PLAN L	EGEND - PROPERTY LINE			www.olsson.com
— ss — _ ss = _	EXISTING SANITARY SEWER			
w р_он	- EXISTING WATER PIPE - EXISTING OVERHEAD POWER LINE			913.381.1170
P-UG	- EXISTING UNDERGROUND POWER LINE	U	2	TEL 913
— SD	- STORM HEADER PIPE AND ROOF DRAINS - UNDERGROUND POWER CONDUIT		2	-
— G — G — G — G — G — G — G — G — G — G	— NATRUAL GAS PIPE — CABLE TELEVISION CONDUIT — WATER PIPE			treet, Suite 200 66213-4750
— ss — — ss —	- SANITARY SEWER SERVICE LINE			rd Street, KS 6621
<u>YNOTES</u>				1 West 133rd Street, rland Park, KS 6621
	ION OF PROPOSED 12" PUBLIC WATERMAIN. COORDINATE WITH CITY ON FINAL LOCATION.			7301 V Overlai
APPROXIMATE LOCAT PRESSURIZED FIRE F	TION OF PROPOSED 10" PRIVATE PROTECTION LOOP. INSTALL 2,990 LF $\pm$ 10" ACTOR SHALL COORDINATE WITH CITY ON			
DOMESTIC WATER SE	RVICE TAP. CONNECTION REQUIREMENTS TO ONTRACTOR SHALL COORDINATE WITH CITY		ZĽ	
	ER PER CITY WATER STANDARDS AND			
C900 DR 14 FOR FIF	2"x 12" TEE, AND INSTALL ±200 LF OF 12" RE PROTECTION WATER SERVICE. COORDINATE WITH CITY ON CONNECTION.			
CITY WATER STANDA SWITCHES AND THEIF FOR THE SHUT-OFF	ECK VALVE ASSEMBLY IN VAULT TO MEET RDS AND SPECIFICATIONS. TAMPER R ASSOCIATED WIRING WILL BE PROVIDED VALUES IN THE VAULT. COORDINATE LOW PREVENTION WITH CITY WATER AND		້	
APPROXIMATE LOCAT CONTRACTOR. YARD AND DETAILS. SHALL			4	
BY CONTRACTOR. F	TION OF PROPOSED PRIVATE FIRE HYDRANT PRIVATE HYDRANTS SHALL MATCH CITY AILS. SHALL BE PAINTED YELLOW WITH A	555500	F MISC	~
G#	NTS. SEE SEPARATE PLANS.		HELL ALAN PLEAK	
CONTRACTOR SHALL FINAL LOCATION OF ENGINEER WITH ANY		PE-SO	UMBER 2009018764 2009018764 200922	
MAIN. COORDINATE N LOCATION, ROUTING,	NEW GAS SERVICE TO PROPOSED GAS WITH UTILITY COMPANY FOR EXACT AND CONNECTION.			
SERVICE PER EVERG SPECIFICATIONS. VER AND EVERGY. THE A SHALL COORDINATE CITY AND EVERGY.	TELY 250± LF OF PRIMARY ELECTRICAL Y/LEE'S SUMMIT DESIGN STANDARDS AND RFY CONDUIT SIZE AND ROUTING WITH CITY LIGNMENT IS APPROXIMATE. CONTRACTOR ELECTRICAL SERVICE ROUTE DIRECTLY WITH			
DETAILS. INSTALL APPROXIMA SERVICE PER EVERG SPECIFICATIONS. VER AND EVERGY. THE A	TELY 1000± LF OF SECONDARY ELECTRICAL Y/LEE'S SUMMIT DESIGN STANDARDS AND RIFY CONDUIT SIZE AND ROUTING WITH CITY LIGNMENT IS APPROXIMATE. CONTRACTOR ELECTRICAL SERVICE ROUTE DIRECTLY WITH	S DESCRIPTION		REVISIONS
	NS (RD#) ROM THE ROOF DRAIN TO STORM HEADER INIMUM SLOPE. MINIMUM COVER OF PIPE IS	REVISIONS		
2.5' AND SHALL COO INCLUDE BENDS, FIT	INMOM SLOPE. MINIMUM COVER OF PIPE IS ORDINATE WITH ALL OTHER IMPROVEMENTS. TINGS, AND OTHER PARTS FOR MEP PLANS FOR ROOF DRAIN LOCATIONS	DATE		
INSTALL BACK OF CI INTO CLOSEST PRIVA	$\frown$	REV.		
-C6.12 FOR INFORM	<u>SERVICE</u> ( <u>SS#</u> ) RVICE LINES. REFERENCE SHEETS C6.07 ATION ON SANITARY SEWER SERVICE LINES. SEWER MAIN EXTENSION. REFERENCE SHEETS			2022
C6.07 –C6.12 PRIVA INFORMATION.	TE SANITARY SEWER SHEETS FOR MORE		S REET	$\square$
STING UTILITIES EXISTING SANITARY EXISTING STORM SEV EXISTING WATER MAI EXISTING OVERHEAD	SEWER MAIN VER N	ING 3	1MIT LOGISTICS AND MAIN STREI	
THE ALL ISSUES PER PROTECTION FROM T	TED WITH 100' OF FIRE HYDRANT. RTAINING TO LIFE SAFETY AND PROPERTY HE HAZARDS OF FIRE, EXPLOSION OR	- BUILDING		
DANGEROUS CONDITI STRUCTURES AND PH FIGHTERS AND EMER OPERATIONS, SHALL	ONS IN NEW AND EXISTING BUILDINGS, REMISES, AND TO THE SAFETY TO FIRE GENCY RESPONDERS DURING EMERGENCY BE IN ACCORDANCE WITH THE 2018	UTILITY PLAN	DEVELOPMENT LEE'S SUMMIT CORNER OF TUDOR ROAD AND	
INTERNATIONAL FIRE		UTILITY PLAN PEMENT PLAI	AENT L = TUDC	
			/ELOPN	
		DEVE	DEVE CORN	URI
		FINAL DE		ISSO(
			SCANNELI NORTHWEST	-EE'S SUMMIT, MISSOURI
0'	10' 20' 40' SCALE IN FEET		NOR	MMU:
				E'S S
C6.01	C6.02 C6.03	drawn by:		SL
		checked by: approved by: QA/QC by:		LM SR MP
		project no.: drawing@ <u>o</u> b⊓ date:	ГІ <u>L01_C210415</u>	04157 7.dwg .2022
-	KEY MAP		HEET C6.03	

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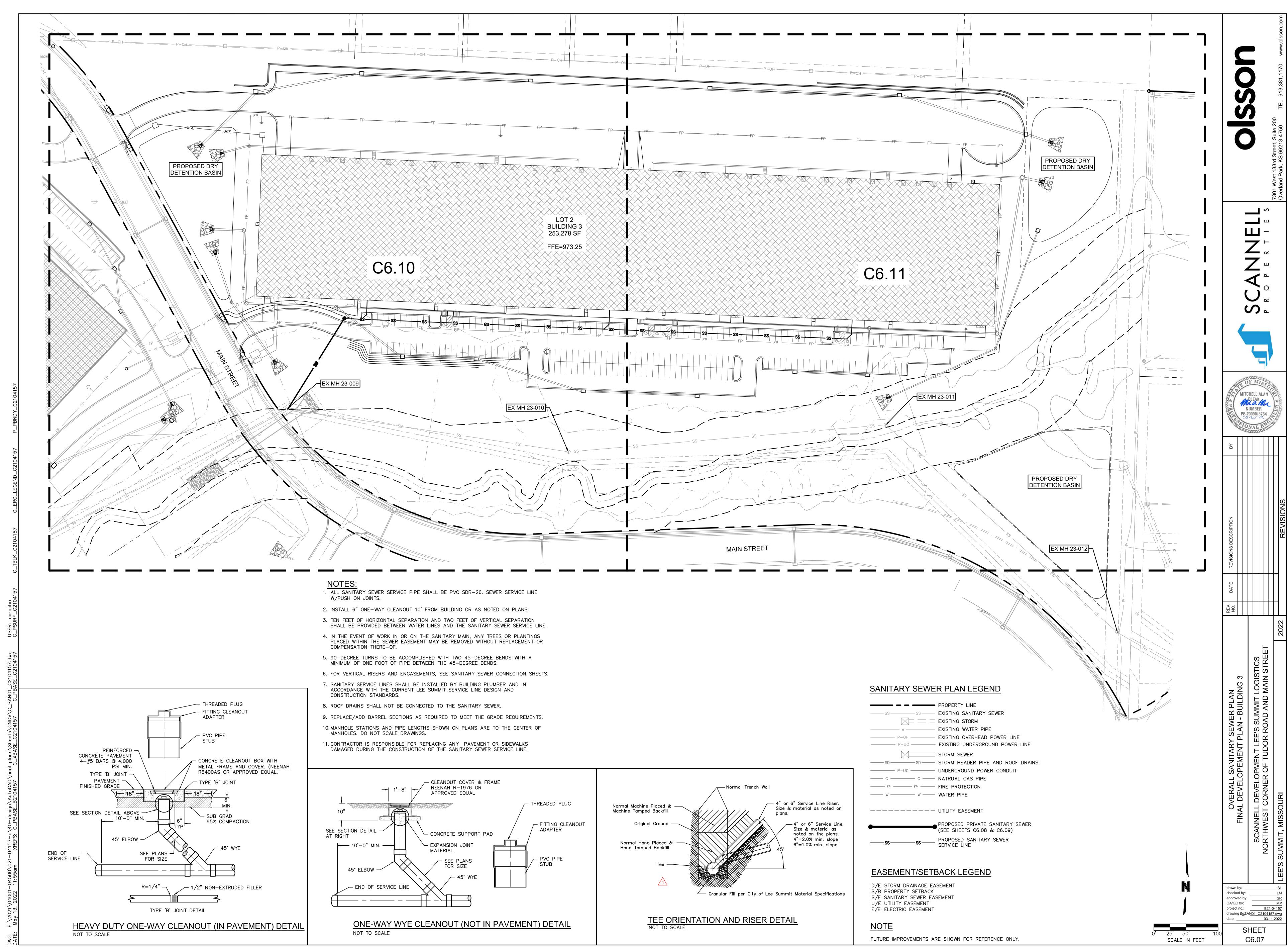
- W1
- W2
- W3

- G2
- E2
- E3

# <u>STC</u> RD1

SS2

	0' 10' 20' SCALE IN FEET	40'
C6.01	C6.02	



# **GENERAL NOTES**

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE PLANS IN THEIR POSSESSION ARE THE MOST CURRENT VERSION ISSUED, ARE FULLY COORDINATED WITH ALL SUBCONTRACTORS. AND PRESENT ON SITE AT ALL TIMES. CURRENT PLANS PREPARED BY OLSSON MAY BE OBTAINED AT THE DIRECTION OF OLSSON'S CLIENT. DIRECT REQUESTS TO OLSSON MAY REQUIRE ADDITIONAL AUTHORIZATIONS, AGREEMENTS, AND/OR FEES. PLEASE CONTACT THE ENGINEER FOR INFORMATION.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEVIATIONS FROM THESE PLANS UNLESS WRITTEN APPROVAL FROM ENGINEER, OWNER, AND DEVELOPER.
- 3. ALL WORK AND MATERIALS SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE OWNER OR THE OWNER'S REPRESENTATIVE.
- 4. ALL ESTIMATES OF QUANTITIES ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING QUANTITIES AND ITEMS OF WORK.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLETE THE WORK SHOWN IN THE PLANS.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS, PAYING ALL FEES, AND FOR OTHERWISE COMPLYING WITH ALL APPLICABLE REGULATIONS GOVERNING THE WORK.
- 7. THE CONTRACTOR SHALL NOT ENGAGE IN ACTIVITIES THAT MAY ENCROACH ON WATERS OF THE U.S., INCLUDING WETLANDS, UNTIL ANY NECESSARY PERMITS MAY BE OBTAINED. THE CONTRACTOR SHALL REVIEW AND COMPLY WITH ALL CONDITIONS DESCRIBED IN THE PERMIT.
- 8. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, THE SAFETY OF ALL PERSONS INCLUDING VISITORS AND THE GENERAL PUBLIC, AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY THROUGHOUT THE PROJECT AND NOT BE LIMITED BY WORKING HOURS. ANY CONSTRUCTION OBSERVATION BY THE ENGINEER OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES.
- 9. PRIOR TO COMMENCEMENT OF WORK THE CONTRACTOR SHALL NOTIFY AND COORDINATE WITH ALL UTILITY COMPANIES AND OBTAIN ANY RELEVANT INFORMATION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 10. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL BOUNDARY CORNERS AND SECTION CORNERS. ANY BOUNDARY CORNER AND/OR SECTION CORNER DISTURBED OR DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE RESET BY A LAND SURVEYOR LICENSED IN THE STATE OF MISSOURI, AT THE CONTRACTOR'S EXPENSE.
- 11. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ADJACENT PROPERTIES AND SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT DAMAGE DURING CONSTRUCTION. THE CONTRACTOR IS ALSO RESPONSIBLE FOR REPAIRING ANY DAMAGE RESULTING FROM CONSTRUCTION ACTIVITIES.
- 12. PRIOR TO MOVING OFF THE JOB THE CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER TO PERFORM A FINAL WALK-THROUGH OF THE CONSTRUCTION SITE.

# REFERENCES

- 1. UNLESS EXPLICITLY DESCRIBED OTHERWISE WITHIN THESE PLANS THE FOLLOWING SHALL APPLY; A. ALL CONSTRUCTION, INCLUDING THOSE LISTED BELOW, SHALL CONFORM TO THE LATEST CODES AND ORDINANCES OF LEE'S
- SUMMIT, MISSOURI. B. ALL CONSTRUCTION IN MODOT RIGHT-OF-WAY SHALL CONFORM TO
- THE LATEST SPECIFICATIONS ADOPTED BY U.S. DEPARTMENT OF TRANSPORTATION AND MODOT. C. ALL TRAFFIC CONTROL SIGNAGE SHALL CONFORM WITH THE CURRENT EDITION OF THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES
- (MUTCD). D. ALL UTILITY EXTENSIONS AND CONSTRUCTION SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE UTILITY COMPANIES.
- E. ALL EXTERIOR PAVEMENT (PCC, ASPHALT, ETC.) SHALL BE IN CONFORMANCE WITH THE SPECIFICATIONS OF LEE'S SUMMIT. MISSOURI
- 4. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE DELIVERY MANAGER AND COORDINATING ANY MAILBOXES THAT MAY BE DISTURBED. FAILURE TO DO SO MAY SUBJECT THE CONTRACTOR TO PROSECUTION BY THE FEDERAL GOVERNMENT.

# EXISTING CONDITIONS

- 1. THE CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING CONDITIONS OF THE PROJECT AREA.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING THEIR OWN INVESTIGATIONS AND MAKING THEIR OWN ASSUMPTIONS REGARDING SITE SURFACE AND SUBSURFACE CONDITIONS. THIS INCLUDES THE LOCATION AND CONSISTENCY OF ANY EXISTING ROCK LAYERS UNDERLYING THE PROJECT SITE. CONTACT THE ENGINEER REGARDING ANY DISCREPANCIES THAT MAY AFFECT THE ABILITY TO CONSTRUCT FROM THESE PLANS AS DESIGNED.
- 3. EXISTING CONDITIONS WERE DETERMINED THROUGH A VARIETY OF METHODS THAT MAY INCLUDE SURVEY, AERIAL IMAGERY, AVAILABLE RECORDS, GIS DATA, ETC. SUBSURFACE CONDITIONS ARE APPROXIMATE AND MAY NOT INCLUDE ALL UTILITIES AND OTHER SITE IMPROVEMENTS PRESENT ON SITE. THE CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UNDERGROUND UTILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS WHEN CONFLICTS AND DISCREPANCIES ARE FOUND.

CONSTRUCTION

SHOP DRAWINGS

VERIFIED:

THERETO:

CONTRACT DOCUMENTS.

LIMITED TO, THE FOLLOWING:

EQUAL" ALTERNATIVE.

PROJECT.

COMPLETED THE ABOVE TASKS.

LOCAL CODES AND ORDINANCES.

ADJUSTMENTS ARE INDICATED IN THE PLANS.

- 1. THE CONTRACTOR SHALL INSTALL TRAFFIC CONTROL WHILE WORKING IN THE PUBLIC RIGHT-OF-WAY AS SHOWN IN THESE PLANS. IF PLANS ARE NOT PROVIDED, CONTRACTOR SHALL COORDINATE AND PROVIDE
- CONTROLS TO THE SATISFACTION OF THE RIGHT-OF-WAY OWNER.
- DAMAGE. NO TREE SHALL BE REMOVED WITHOUT PERMISSION OF THE

3. THE CONTRACTOR SHALL DISPOSE ALL WASTE MATERIAL RESULTING

4. ALL MANHOLES, CATCH BASINS, UTILITY VALVES AND METER PITS ARE

TO BE ADJUSTED OR REBUILT TO GRADE AS REQUIRED. NOT ALL

5. THE CONTRACTOR SHALL STREET SWEEP OR OTHERWISE CLEAN ALL

ACCESS ROUTES TO THE SITE AT CONCLUSION OF THE PROJECT.

1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWING A MINIMUM OF 7 DAYS

SHOP DRAWINGS OR SAMPLES CONFORMANCE WITH THE DESIGN FOR

THIS PROJECT AS DESCRIBED IN THE PLANS. THE CONTRACTOR SHALL

BE RESPONSIBLE FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS. THE

ENGINEER'S REVIEW SHALL NOT EXTEND TO MEANS OR METHODS OF

VARIATION FROM THE REQUIREMENTS OF THE CONTRACT DOCUMENTS

AT THE TIME OF SUBMISSION, AND OBTAINED ENGINEER'S WRITTEN

DRAWING OR SAMPLE, CONTRACTOR SHALL HAVE REVIEWED AND

A. ALL FIELD MEASUREMENTS, QUANTITIES, DIMENSIONS, SPECIFIED

B. ALL MATERIALS WITH RESPECT TO INTENDED USE, FABRICATION,

C. ALL INFORMATION RELATIVE TO MEANS, METHODS, TECHNIQUES,

PERTAINING TO THE PERFORMANCE OF THE WORK;

PRECAUTIONS AND PROGRAMS INCIDENT THERETO;

CATALOG NUMBERS AND SIMILAR INFORMATION WITH RESPECT

SHIPPING, HANDLING, STORAGE, ASSEMBLY AND INSTALLATION

SEQUENCES AND PROCEDURES OF CONSTRUCTION AND SAFETY

SHOP DRAWING OR SAMPLE WITH OTHER SHOP DRAWINGS AND

D. CONTRACTOR SHALL ALSO HAVE REVIEWED AND COORDINATED EACH

SAMPLES. AND WITH THE REQUIREMENTS OF THE WORK AND THE

E. ALL SUBMITTED SHOP DRAWINGS SHALL BEAR A STAMP OR SPECIFIC WRITTEN INDICATION AND SIGNATURE THAT CONTRACTOR HAS FULLY

2. SHOP DRAWINGS AS DESCRIBED ABOVE ARE REQUIRED FOR, BUT NOT

B. ANY ITEMS IN THESE PLANS THAT ALLOW FOR AN "APPROVED

A. ALL SANITARY SEWER STRUCTURES TO BE INSTALLED WITH THIS

CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY

PRIOR TO THE REQUESTED DATE OF APPROVAL. ENGINEER SHALL REVIEW

UNLESS CONTRACTOR HAS NOTIFIED ENGINEER OF EACH SUCH VARIATION

APPROVAL OF EACH SUCH VARIATION. PRIOR TO SUBMITTING EACH SHOP

PERFORMANCE CRITERIA, INSTALLATION REQUIREMENTS, MATERIALS,

- 2. THE CONTRACTOR SHALL PROTECT ALL TREES OVER 3" CALIPER FROM OWNER, UNLESS SHOWN OTHERWISE ON THESE PLANS.

- 2. ALL PIPE LENGTHS ARE CALCULATED LINEARLY FROM CENTER OF 4. ALL STRUCTURE DIMENSIONS ARE TO INSIDE FACE OF STRUCTURE.

FROM THE PROJECT OFF-SITE AND IN STRICT CONFORMANCE WITH ALL

# PRIOR TO COMMENCEMENT OF WORK THE CONTRACTOR SHALL NOTIFY AND COORDINATE CONSTRUCTION WITH CITY OF LEE'S SUMMIT, MISSOURI.

SANITARY SEWER GENERAL NOTES

STRUCTURE TO CENTER OF STRUCTURE.

CONSTRUCTION OF SANITARY SEWER.

THROUGH THE MANHOLE.

SEALS.

INFORMATION.

SS4.00.

SEWER.

NOTED.

5.

8.

INSTALLATION.

COORDINATES ARE PROVIDED AT THE CENTER OF STRUCTURE.

ORDINANCES OR AS AN AID WHEN ORIENTING THE LID DURING

POSSIBLE CONFLICT AND POINTS OF CONNECTION PRIOR TO ANY

MANHOLE INVERT CHANNELS SHALL BE SMOOTH, CIRCULAR, AND

9. PIPE PENETRATIONS SHALL USE GASKETS TO ENSURE WATERTIGHT

SURFACES OR AS DIRECTED BY LOCAL CODES AND ORDINANCES.

FAILS ON ANY SECTION OF PIPE, THAT SECTION SHALL BE

16. SANITARY LATERALS ARE DESIGNED @ 2.00% SLOPE. IF RISER IS

10. TRACING TAPE SHALL BE INSTALLED ALONG ALL NON-METALLIC

ALL TESTING EQUIPMENT. TESTING SHALL INCLUDE

B. AIR PRESSURE TEST OF ALL GRAVITY SEWERS.

UNCOVERED AND REPLACED.

C. VACUUM TEST OF ALL MANHOLES.

SHALL BE 2.0' TO AVOID PIPE JOINT.

CURRENT APWA SPECIFICATIONS.

ADDITIONAL COORDINATES PROVIDED ARE PER LOCAL CODES AND

6. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF

7. SANITARY SEWER TRENCHES SHALL BE CONSTRUCTED SUCH THAT UNDISTURBED EXISTING SOIL OR FILL COMPACTED TO 95% PROCTOR

DENSITY IS AT A DEPTH THAT IS 18" ABOVE TOP OF PROPOSED PIPE.

CONFORMING TO 1/2 THE ADJACENT PIPE SECTION (INVERT TO CENTER). CHANGES IN DIRECTION OF FLOW SHALL BE MADE WITH A SMOOTH CURVE AND MAINTAIN SHAPE THROUGHOUT. CHANGES IN GRADE OF ADJACENT PIPES SHALL BE TRANSITIONED SMOOTHLY AND EVENLY

11. SEWER LINE INSPECTIONS AND TESTING MUST BE SCHEDULED A MINIMUM

OF TWO FULL BUSINESS DAYS IN ADVANCE. CONTRACTOR SHALL FURNISH A. MANDREL TEST OF ALL GRAVITY SEWERS. IF THE MANDREL TEST

12. REFER TO SHEET SS3.02 FOR SANITARY DESIGN & SEWER LATERAL

13. ALL SERVICE LINE CONNECTIONS SHALL BE MADE WITH AN 8"X8" PVC WYE, 8"PVC 45" BEND, AND THE APPROPRIATE LENGTH OF 8" PVC

LATERAL (UNLESS OTHERWISE SHOWN) AND CAP. SEE DETAIL SHEET

14. MSFE- INDICATES LOWEST FLOOR SERVICEABLE BY PROPOSED SANITARY

15. MAXIMUM DEVIATION FROM LATERAL STATION LOCATIONS AS CALLED OUT

INDICATED, IT IS TO BE AT THE SANITARY MAIN, UNLESS OTHERWISE

17. REFER TO CURRENT CITY SPECIFICATIONS FOR MINIMUM PIPE SLOPES.

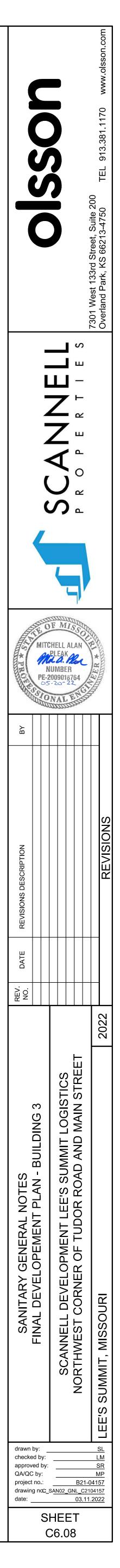
18. CONTRACTOR MAY BE REQUIRED TO RECONSTRUCT PIPE AND STRUCTURE IF MINIMUM INVERT DROP OR PIPE SLOPE REQUIREMENTS ARE NOT MET.

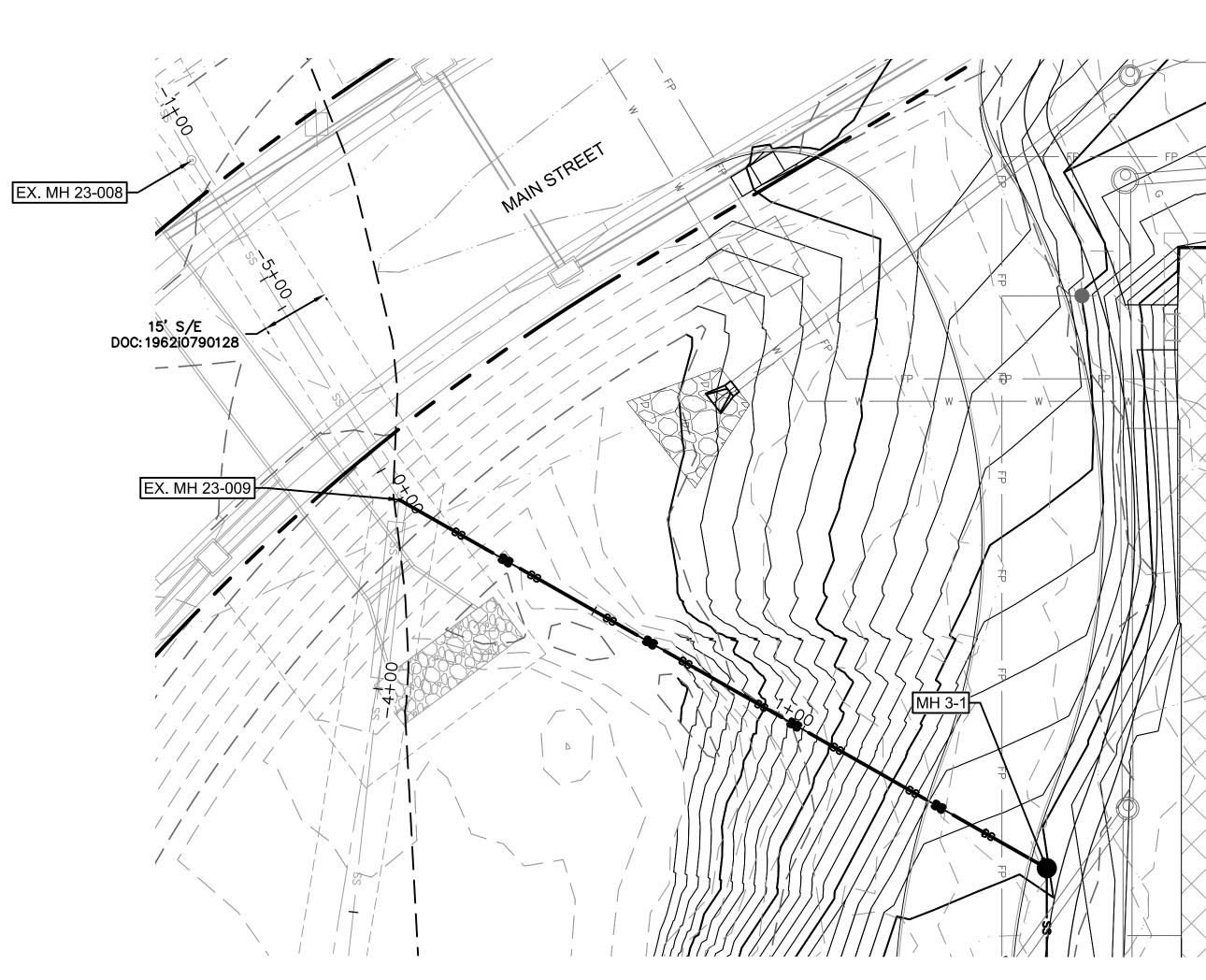
19. SANITARY STRUCTURES SHALL BE PER CURRENT CITY DETAILS. IF CITY DOES NOT HAVE PUBLISHED DETAILS STRUCTURES SHALL BE PER

20. GRAVITY SANITARY SEWER AND WATER LINES SHALL BE SEPARATED BY A MINIMUM OF 10'HORIZONTALLY WHEN PARALLEL AND 2'VERTICALLY WHEN CROSSING. WATER LINES SHALL CROSS ABOVE SANITARY SEWERS.

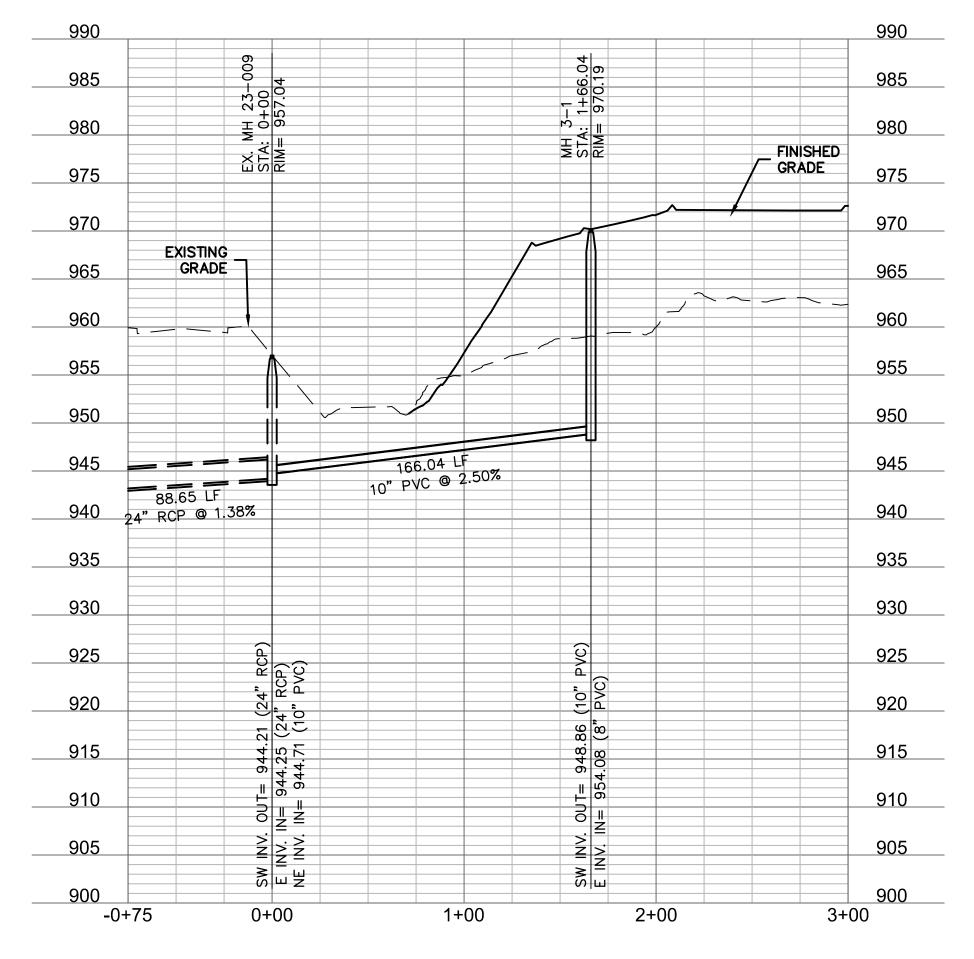
**ESTIMATE OF QUANTITIES** AS-BUILT QUANTITIY ITEM NO. DESCRIPTION UNIT | QUANTITY | UNIT CONNECT TO EXISTING SANITARY SEWER EA. 1 EA. 10" PVC SDR-26 PIPE (MAIN LINE) 150.34 L.F. 2 L.F. STANDARD 4'-0" I.D. MANHOLE (8' DEEP) 2 EA. EA. 3

SUMMARY OF QUANTITIES AS INDICATED ABOVE AND ANY QUANTITIES AS SHOWN WITHIN THE PLANS HAVE BEEN PROVIDED FOR PERMITTING PURPOSES ONLY AND ARE NOT INTENDED FOR USE IN PREPARATION OF CONTRACT DOCUMENTS. QUANTITIES INTENDED FOR, BUT NOT LIMITED TO, THE PREPARATION OF PROPOSALS AND BID DOCUMENTS SHALL BE INDEPENDENTLY EVALUATED BY THE ESTIMATING PARTY BASED UPON THE CONTENTS OF THESE PLANS.





# PROPOSED SANITARY SEWER - LINE 3

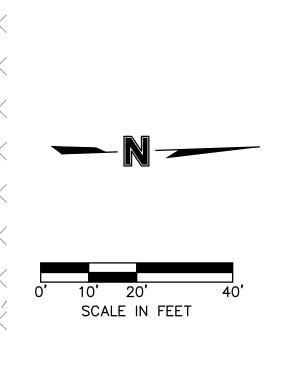


# LEGEND

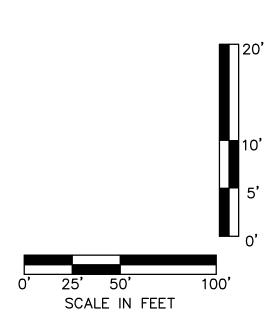
	PROPERTY LINE
— — <i>830</i> — —	EXISTING CONTOUR
	PROPOSED CONTOUR

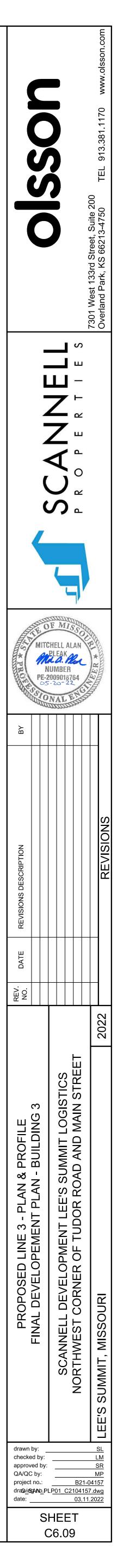
EASEMENT/SETBACK LEGEND

- D/E STORM DRAINAGE EASEMENT
- S/B PROPERTY SETBACK S/E SANITARY SEWER EASEMENT
- U/E UTILITY EASEMENT E/E ELECTRIC EASEMENT
- SANITARY SEWER NOTES:
- 1. ALL SANITARY SEWER SERVICE PIPE SHALL BE PVC SDR-26. SEWER SERVICE LINE W/PUSH ON JOINTS.
- 2. TEN FEET OF HORIZONTAL SEPARATION AND TWO FEET OF VERTICAL SEPARATION SHALL BE PROVIDED BETWEEN WATER LINES AND THE SANITARY SEWER SERVICE LINE.
- 3. IN THE EVENT OF WORK IN OR ON THE UG SANITARY MAIN, ANY TREES OR PLANTINGS PLACED WITHIN THE SEWER EASEMENT MAY BE REMOVED WITHOUT REPLACEMENT OR COMPENSATION THERE-OF.
- 4. FOR VERTICAL RISERS AND ENCASEMENTS, SEE SANITARY SEWER CONNECTION SHEETS.
- 5. ROOF DRAINS SHALL NOT BE CONNECTED TO THE SANITARY SEWER.
- 6. REPLACE/ADD BARREL SECTIONS AS REQUIRED TO MEET THE GRADE REQUIREMENTS.
- 7. MANHOLE STATIONS AND PIPE LENGTHS SHOWN ON PLANS ARE TO THE CENTER OF MANHOLES. DO NOT SCALE DRAWINGS.
- 8. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY PAVEMENT OR SIDEWALKS DAMAGED DURING THE CONSTRUCTION OF THE SANITARY SEWER MAIN. RIM ADJUSTMENT NOTES:
- 1. REPLACE/ADD BARREL SECTIONS AS REQUIRED TO MEET THE GRADE REQUIREMENTS.

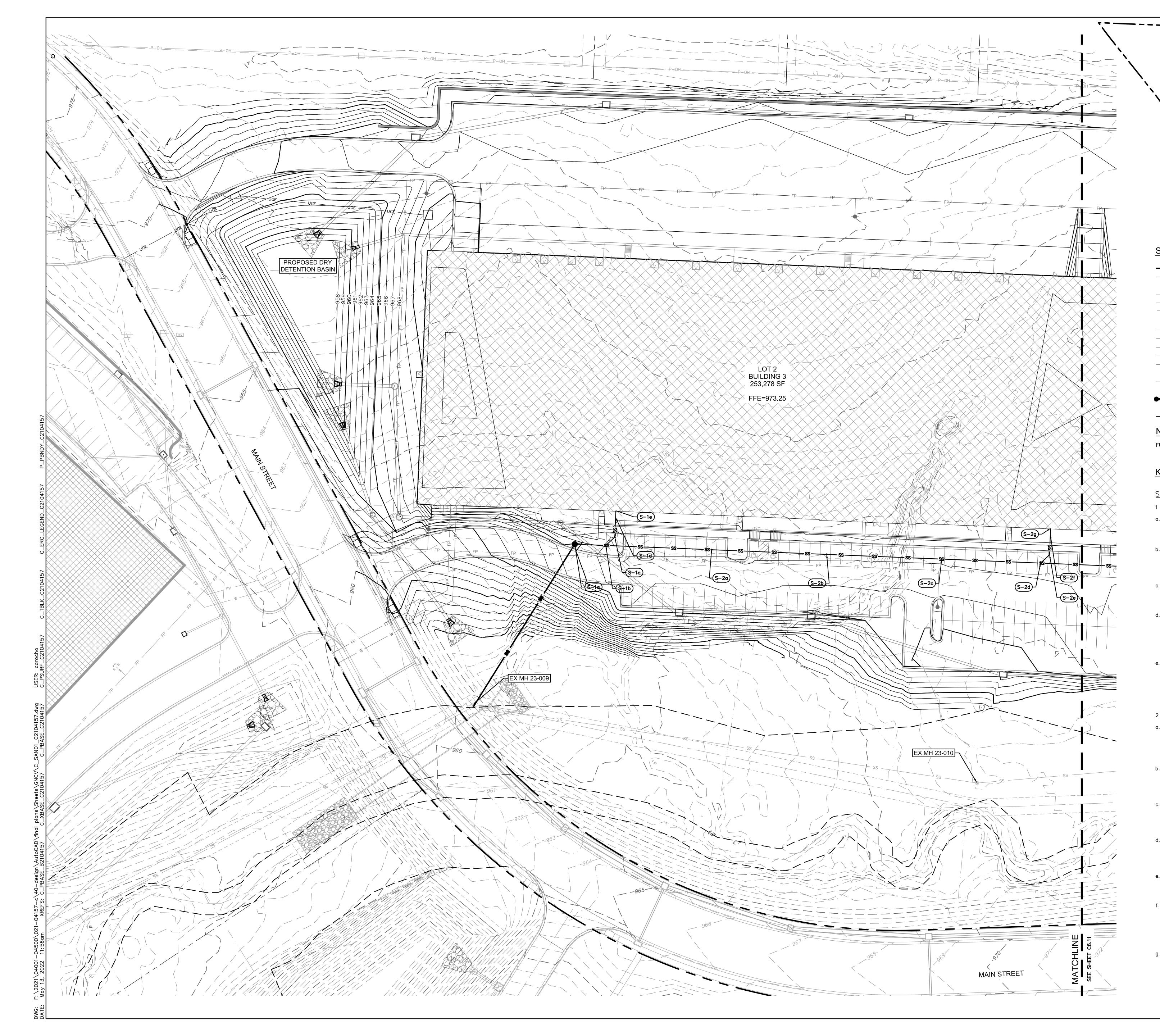


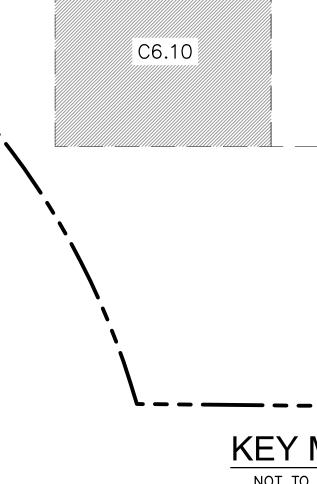
STRUCTURES				
ID	DESCRIPTION			
	4' ID STD MANHOLE			
MH 3—1	PROPOSED SANITARY SEWER – LINE RIM= 970.19			
1+66.04	INV IN = 954.08 (8" PVC) INV OUT = 948.86 (10" PVC) N: 53462.658; E: 54900.696			



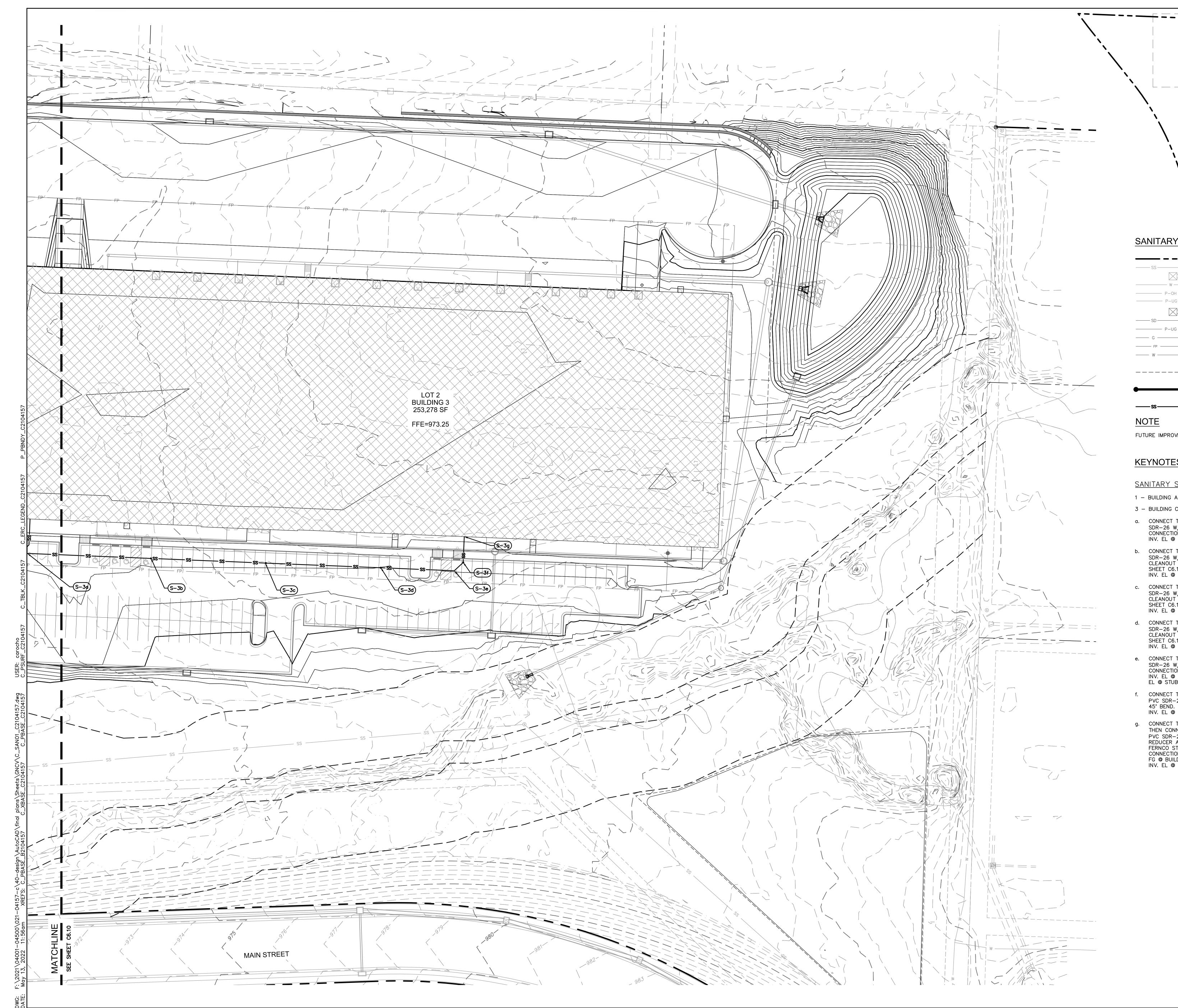




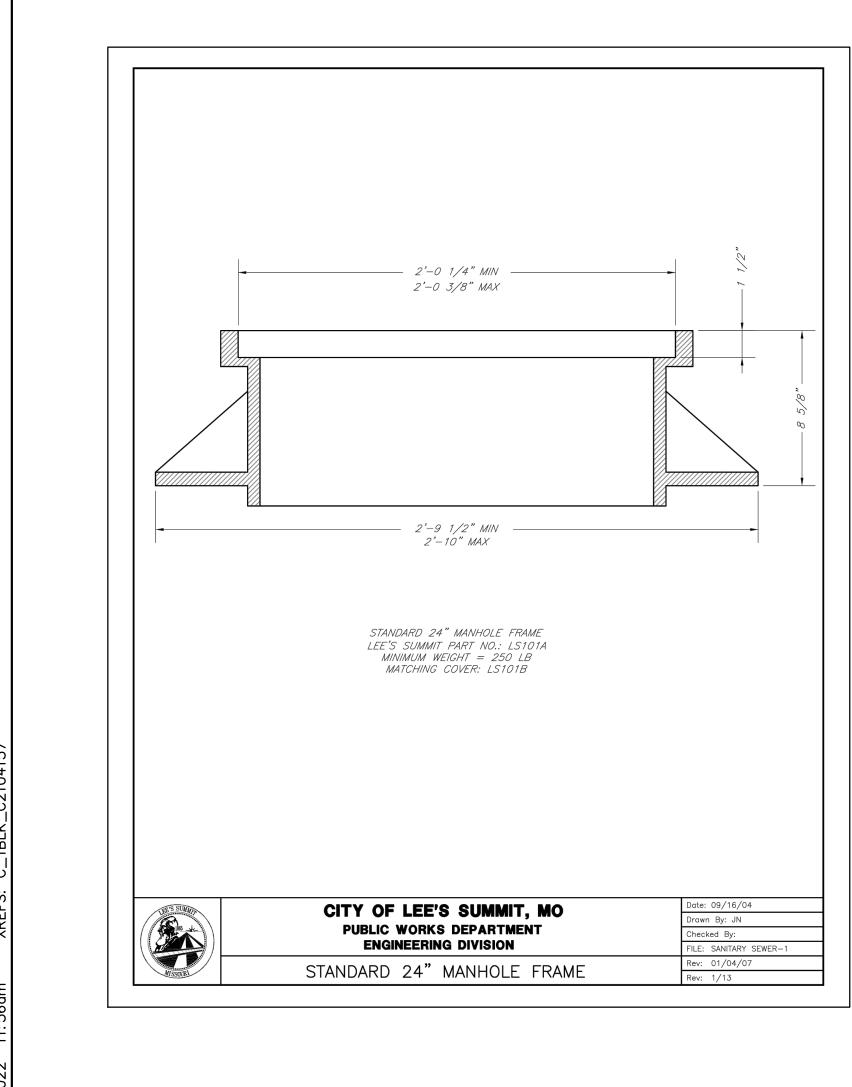


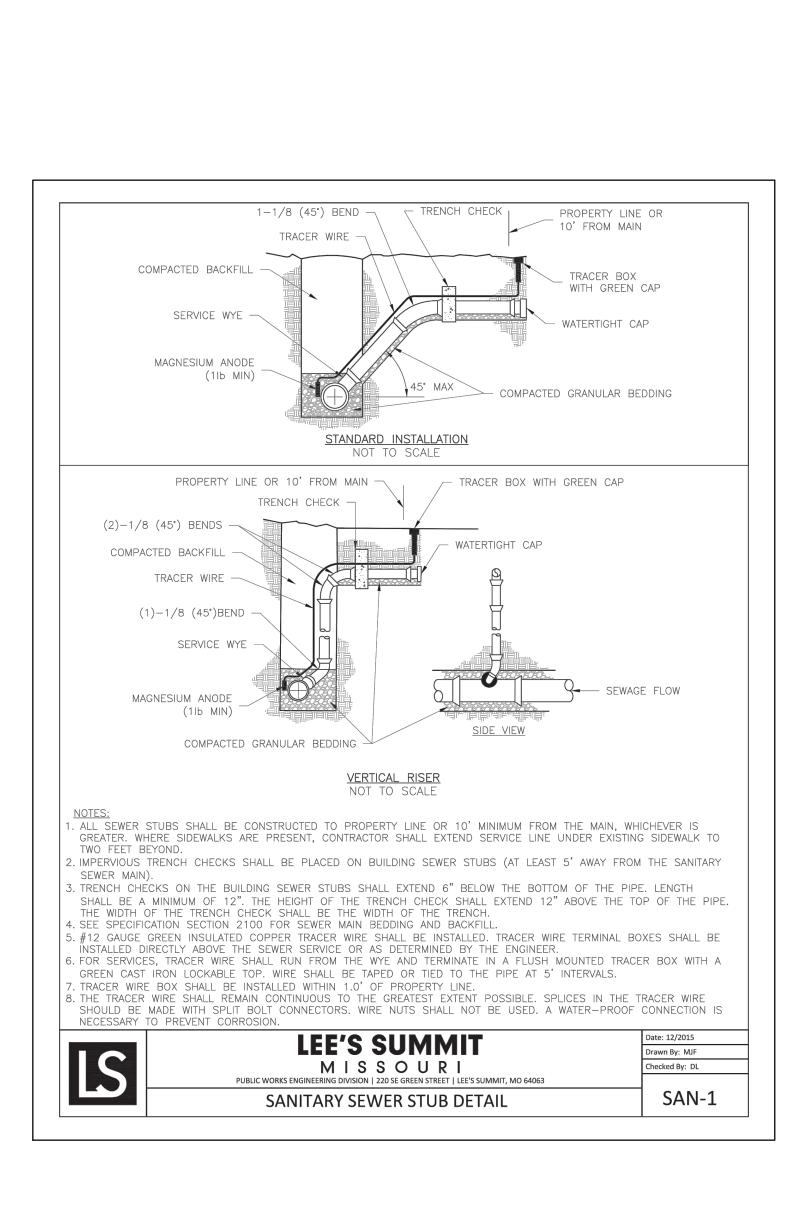


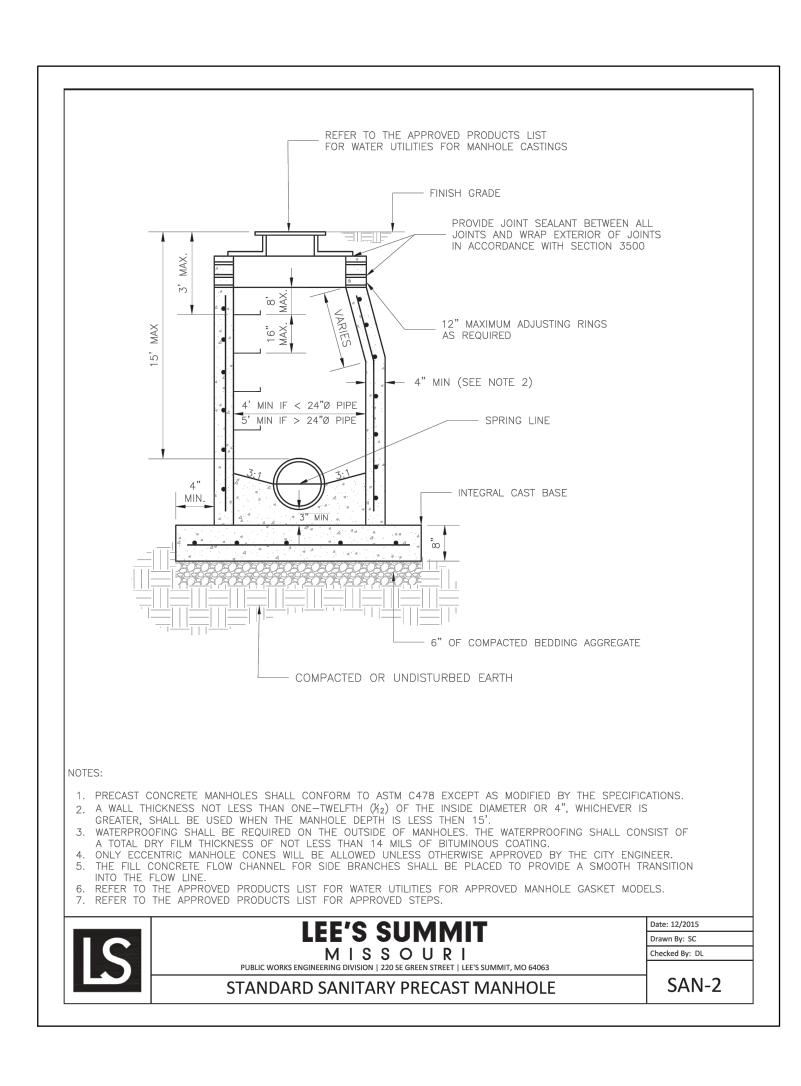
C6.10 C6.11		2	7301 West 133rd Street, Suite 200 Overland Park, KS 66213-4750 TEL 913.381.1170 www.olsson.com
SANITARY SEWER PLAN LEGEND         PROPERTY LINE         SS       SS         EXISTING SANITARY SEWER         EXISTING STORM         EXISTING VATER PIPE         P-OH       EXISTING OVERHEAD POWER LINE         EXISTING UNDERGROUND POWER LINE         SD       STORM SEWER         SD       SD         STORM HEADER PIPE AND ROOF DRAINS         UNDERGROUND POWER CONDUIT         G       G         VW       WATER PIPE         FP       FP         FROPOSED PRIVATE SANITARY SEWER         PROPOSED SANITARY SEWER			
<u>NOTE</u> FUTURE IMPROVEMENTS ARE SHOWN FOR REFERENCE ONLY.	AB	HELL ALAN PLEAK UMBER 009018764 -20-22 NAL ENG	EER + 14
<ul> <li>SANITARY SEWER (S-#)</li> <li>I - BUILDING A CONNECTION (CONTINUED ON NEXT SHEET)</li> <li>PROPOSED MANHOLE. REFERENCE SHEETS C6.09 FOR DETAILS. INV. EL (OUT) @ MANHOLE (10" PVC)= 953.58 INV. EL (OUT) @ MANHOLE (10" PVC)= 954.08</li> <li>CONNECT TO MANHOLE AND INSTALL 27.0± L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS @ 1.37%. THEN INSTALL WYE CONNECTION. INV. EL @ WYE= 954.45 INV. EL @ STUB= 955.12</li> <li>CONNECT TO WYE CONNECTION AND INSTALL 10.0 L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS @ 2.00%. THEN INSTALL 45' BEND. INV. EL @ 45' BEND= 955.32</li> <li>CONNECT TO 45' BEND AND INSTALL CLEANOUT IN PAVEMENT. THEN CONNECT TO CLEANOUT AND INSTALL 14.14</li> </ul>	REVISIONS DESCRIPTION		REVISIONS
<ul> <li>FEET OF 8" PVC SDR-26 VERTICAL RISER (10.00 FT OF RISE). REFERENCE CLEANOUT AND RISER DETAILS PER SHEET C6.12.</li> <li>INV @ 45° BEND= 955.32</li> <li>INV @ END OF RISER= 967.32</li> <li>e. CONNECT TO END OF RISER AND INSTALL 5.6± L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS @ 7.68%. THEN INSTALL REDUCER AS NEEDED AND CONNECT TO BUILDING WITH FERNCO STRONGBACK RC COUPLING FOR DISSIMILAR PIPE CONNECTION.</li> <li>FG @ BUILDING=987.50</li> </ul>	REV. DATE NO.		2022
<ul> <li>EL @ BUILDING=967.75</li> <li>2 - BUILDING A CONNECTION</li> <li>2. CONNECT TO WYE CONNECTION AND INSTALL 92.0± L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS @ 1.37%. THEN INSTALL CLEANOUT IN PAVEMENT. REFERENCE CLEANOUT DETAIL PER SHEET C6.12. INV. EL @ WE=954.45 INV. EL @ CLEANOUT=955.71</li> <li>5. CONNECT TO CLEANOUT AND INSTALL 100.0± L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS @ 1.37%. THEN INSTALL CLEANOUT IN PAVEMENT. REFERENCE CLEANOUT DETAIL PER SHEET C6.12. INV. EL @ CLEANOUT=957.08</li> <li>5. CONNECT TO CLEANOUT AND INSTALL 100.0± L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS @ 1.37%. THEN INSTALL CLEANOUT IN PAVEMENT. REFERENCE CLEANOUT DETAIL PER SHEET C6.12. INV. EL @ CLEANOUT=957.08</li> <li>5. CONNECT TO CLEANOUT AND INSTALL 100.0± L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS @ 1.37%. THEN INSTALL CLEANOUT IN PAVEMENT. REFERENCE CLEANOUT DETAIL PER SHEET C6.12. INV. EL @ CLEANOUT=958.45</li> <li>5. CONNECT TO CLEANOUT AND INSTALL 82.0± L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS @ 1.37%. THEN INSTALL WYE CONNECT TO CLEANOUT AND INSTALL 82.0± L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS @ 1.37%. THEN INSTALL WYE CONNECT TO VE CONNECTION AND INSTALL 10.0 L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS @ 2.00%. THEN INSTALL 45' BEND. INV. EL @ WYE= 959.57 INV. EL @ A5' BEND= 960.44</li> <li>6. CONNECT TO 45' BEND AND INSTALL CLEANOUT IN PAVEMENT. THEN CONNECT TO CLEANOUT AND INSTALL 9.19 FEET OF 8" PVC SDR-26 VERTICAL RISER (6.50 FT OF RISE). REFERENCE CLEANOUT AND RISER DETAILS PER SHEET C6.12. INV @ 45' BEND= 960.44 INV @ END OF RISER= 960.94</li> </ul>	SANITARY SEWER CONNECTION PLAN FINAL DEVELOPEMENT PLAN - BUILDING 3	SCANNELL DEVELOPMENT LEE'S SUMMIT LOGISTICS NORTHWEST CORNER OF TUDOR ROAD AND MAIN STREET	LEE'S SUMMIT, MISSOURI
g. CONNECT TO END OF RISER AND INSTALL 13.3± L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS @ 6.09%. THEN INSTALL REDUCER AS NEEDED AND CONNECT TO BUILDING WITH FERNCO STRONGBACK RC COUPLING FOR DISSIMILAR PIPE CONNECTION. FG @ BUILDING=987.50 INV. EL @ BUILDING=967.75	date:	B21-( 	<u>SL</u> LM SR MP 04157

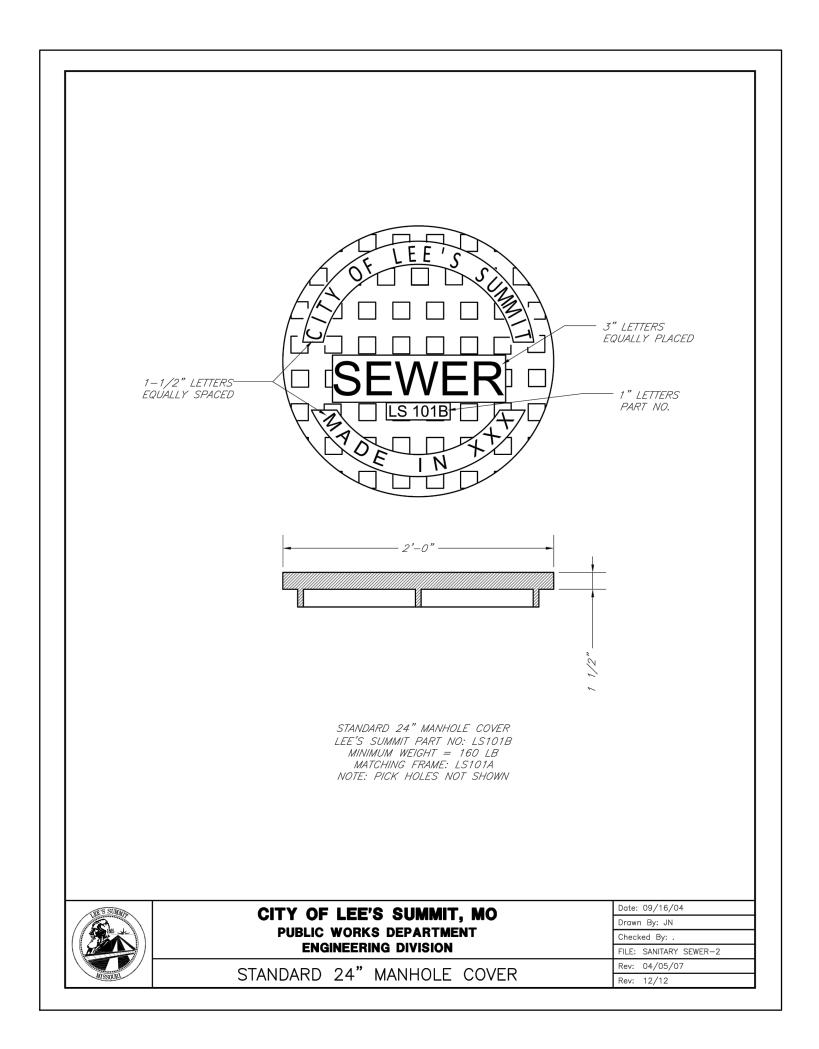


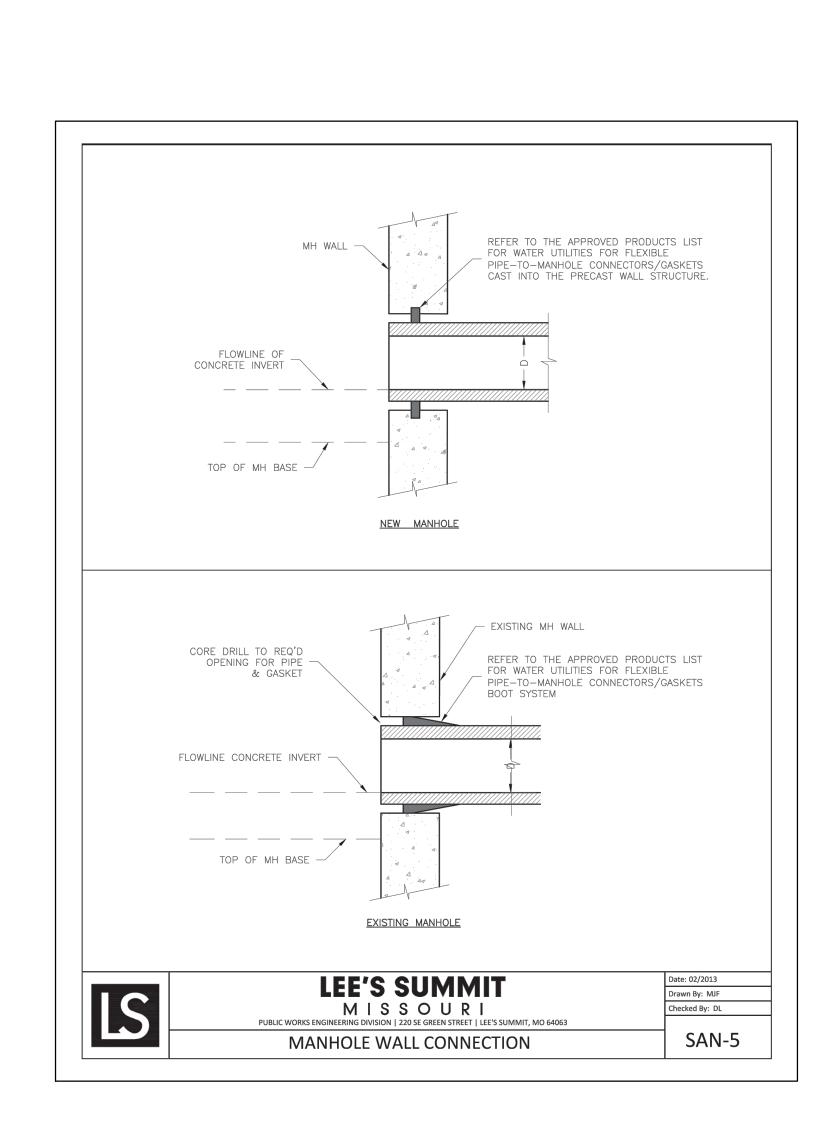
			7301 West 133rd Street, Suite 200 Overland Park, KS 66213-4750 TEL 913.381.1170 www.olsson.com
SANITARY SEWER PLAN LEGEND         PROPERTY LINE         SS       EXISTING SANITARY SEWER         E       EXISTING STORM         W       EXISTING OVERHEAD POWER LINE         P-UG       EXISTING UNDERGROUND POWER LINE         SD       STORM SEWER         SD       STORM HEADER PIPE AND ROOF DRAINS         W       WIDERGROUND POWER CONDUIT         G       G         P-UG       UNDERGROUND POWER CONDUIT         G       G         P-UG       UNDERGROUND POWER CONDUIT         G       G         VILLITY EASEMENT         PROPOSED PRIVATE SANITARY SEWER         SS       SS         SS       SS         PROPOSED SANITARY SEWER         SS       SS         SS       SS         PROPOSED SANITARY SEWER         SERVICE LINE         MOTE         FUTURE IMPROVEMENTS ARE SHOWN FOR REFERENCE ONLY.	A MITC	I I I I I I I I I I I I I I I I I I I	THERE + 14
<ul> <li>KEYNOTES</li> <li>SANITARY SEWER (S-#)</li> <li>1 - BUILDING A&amp;B CONNECTION (CONTINUED ON PREVIOUS SHEET)</li> <li>3 - BUILDING C CONNECTION</li> <li>a. CONNECT TO CLEANOUT AND INSTALL 82.0± L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS @ 1.37%. THEN INSTALL WYE CONNECTION. INV. EL @ WYE= 959.57</li> <li>b. CONNECT TO WYE AND INSTALL 114.0± L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS @ 1.37%. THEN INSTALL CLEANOUT IN PAVEMENT. REFERENCE CLEANOUT DETAIL PER SHEET C6.12. INV. EL @ CLEANOUT = 961.13</li> <li>c. CONNECT TO CLEANOUT AND INSTALL 100.0 L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS © 1.37%. THEN INSTALL CLEANOUT IN PAVEMENT. REFERENCE CLEANOUT DETAIL PER SHEET C6.12 INV. EL @ CLEANOUT = 962.50</li> <li>d. CONNECT TO CLEANOUT AND INSTALL 100.0 L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS © 1.37%. THEN INSTALL CLEANOUT IN PAVEMENT. REFERENCE CLEANOUT DETAIL PER SHEET C6.12 INV. EL @ CLEANOUT AND INSTALL 100.0 L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS © 1.37%. THEN INSTALL CLEANOUT IN PAVEMENT. REFERENCE CLEANOUT DETAIL PER SHEET C6.12 INV. EL @ CLEANOUT AND INSTALL 100.0 L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS © 1.37%. THEN INSTALL CLEANOUT IN PAVEMENT. REFERENCE CLEANOUT DETAIL PER SHEET C6.12 INV. EL @ CLEANOUT = 963.87</li> </ul>	REV. DATE REVISIONS DESCRIPTION BY		REVISIONS
<ul> <li>INV. EL © CLEANOUT AND INSTALL 64.0± L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS © 1.37%. THEN INSTALL WYE CONNECTION. INV. EL © WYE= 964.75 EL © STUB= 965.42</li> <li>CONNECT TO WYE CONNECTION AND INSTALL 10.0 L.F. OF 8" PVC SDR-26 W/ PUSH ON JOINTS © 2.00%. THEN INSTALL 45' BEND. INV. EL @ 45' BEND= 965.62</li> <li>CONNECT TO 45' BEND AND INSTALL CLEANOUT IN PAVEMENT. THEN CONNECT TO CLEANOUT AND INSTALL 22.50 FEET OF 8" PVC SDR-26 W/PUSH ON JOINTS © 9.47%. THEN INSTALL REDUCER AS NÉEDED AND CONNECT TO BUILDING WITH FERNCO STRONGBACK RC COUPLING FOR DISSIMILAR PIPE CONNECTION. FG © BUILDING=987.50 INV. EL © BUILDING=967.75</li> </ul>	SANITARY SEWER CONNECTION PLAN SANITARY SEWER CONNECTION PLAN FINAL DEVELOPEMENT PLAN - BUILDING 3 FINAL DEVELOPEMENT PLAN - BUILDING 3 date:	B21-I AN <u>01_C210415</u>	5022 LEE'S SUMMIT, MISSOURI

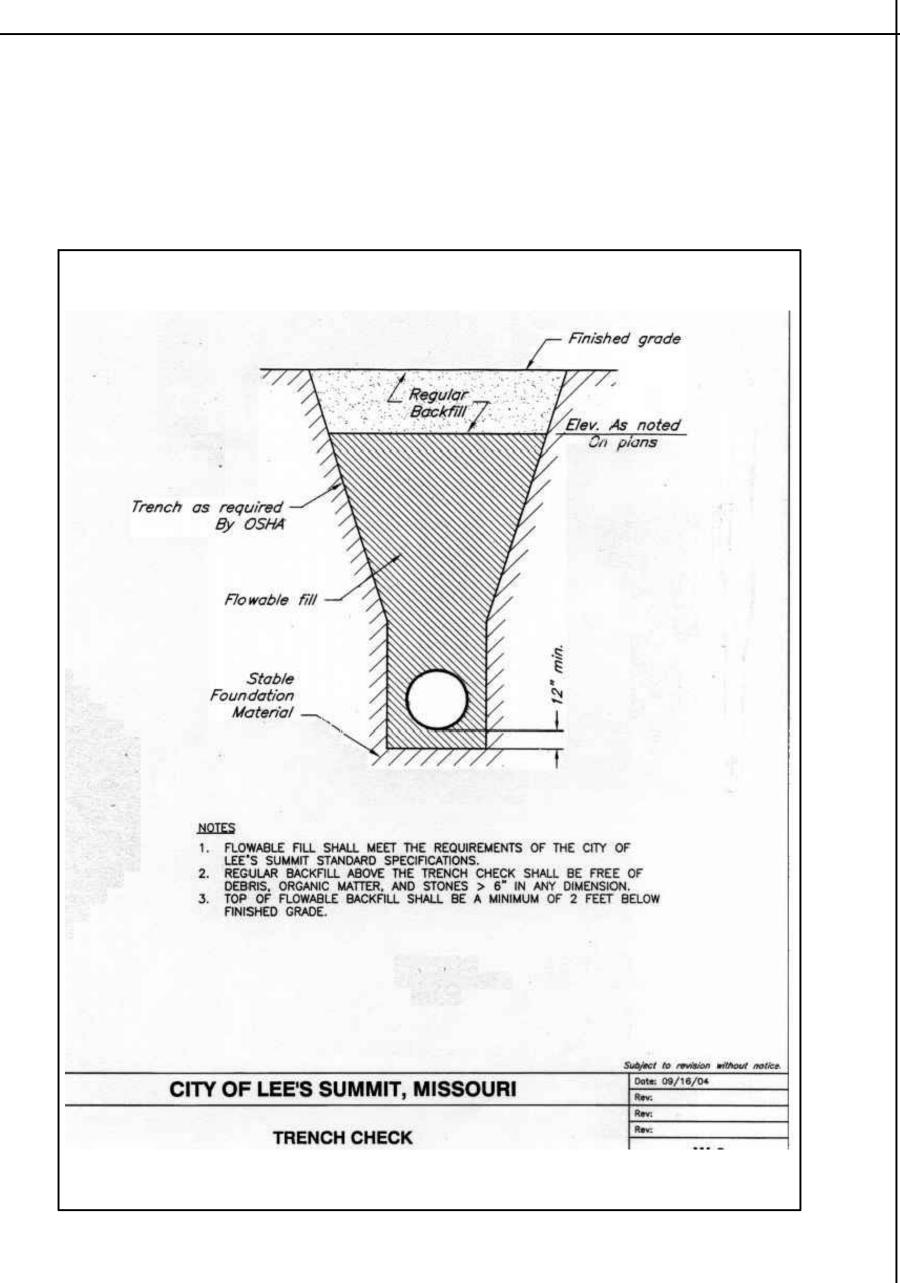


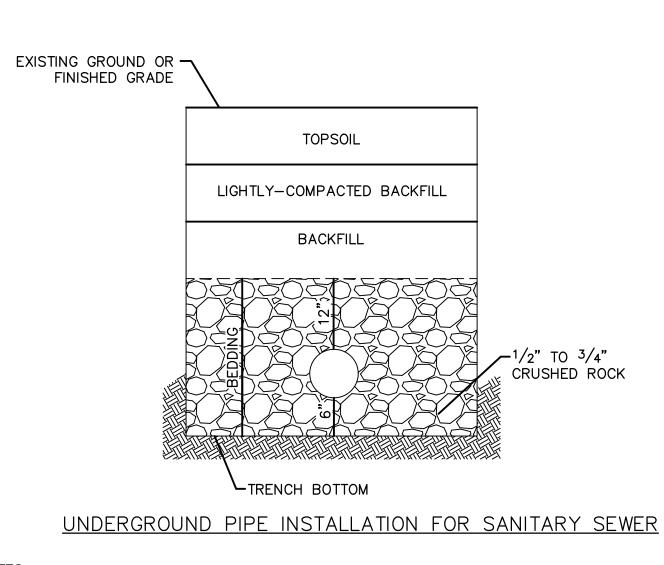








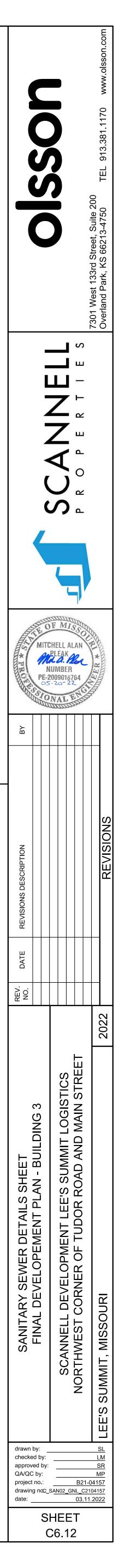


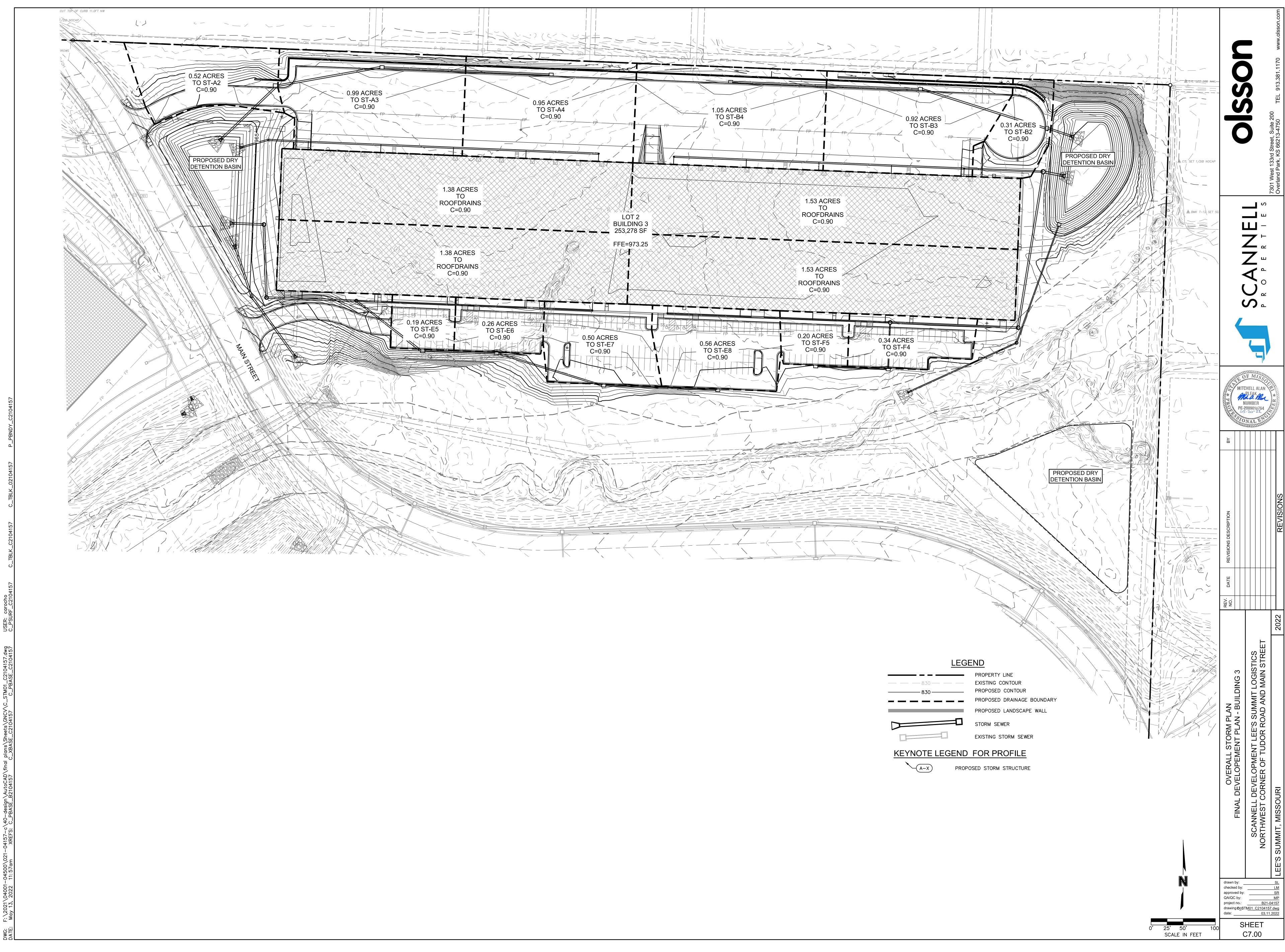


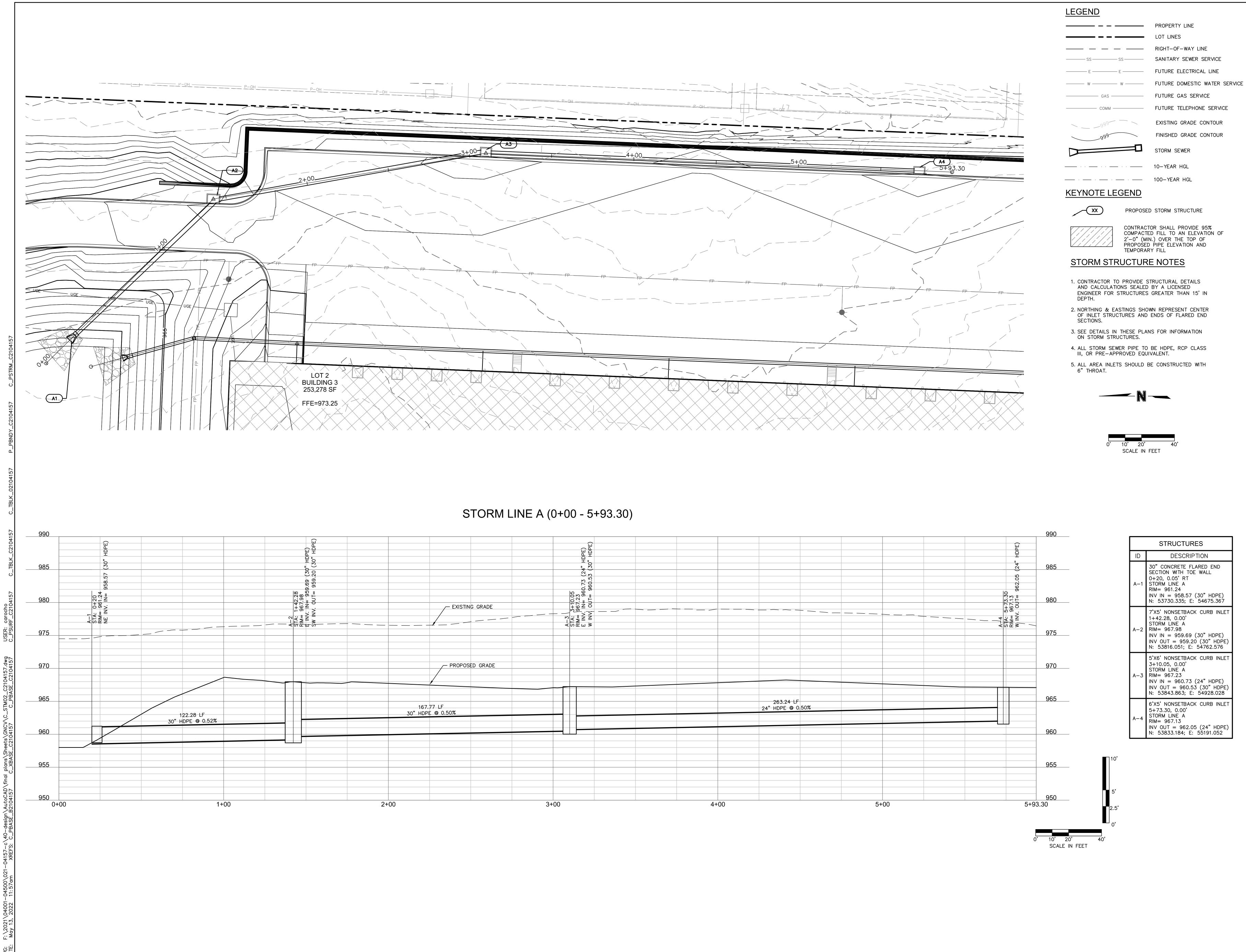
1. A MINIMUM OF 36 INCHES OF COVER SHALL BE OVER THE TOP OF THE PIPE. THIS MINIMUM OF COVER SHALL BE FROM THE TOP OF PIPE TO THE FINISHED GRADE. 2. BEDDING AGGREGATE MATERIAL SHALL BE PER SECTION 6900 AND 2102 OF THE

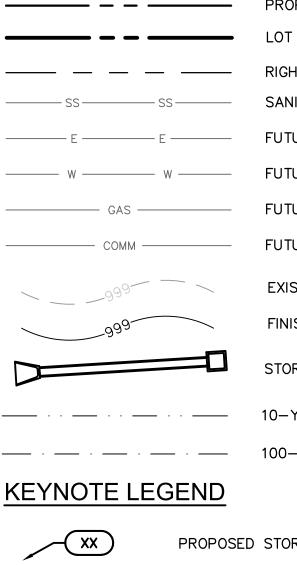
- CITY DESIGN AND CONSTRUCTION MANUAL. BEDDING AGGREGATE SHALL BE PLACED FROM A LEVEL 6 INCHES BELOW THE BOTTOM OF THE PIPE TO A LEVEL 12 INCHES
- ABOVE THE TOP OF THE PIPE. 3. BACKFILL MATERIAL AND PLACEMENT SHALL BE PER SECTION 6900 AND 2102 OF
- THE CITY DESIGN AND CONSTRUCTION MANUAL. 4. TRENCHING SHALL BE IN ACCORDANCE WITH CURRENT OSHA REGULATIONS. SLOPES
- MUST NOT EXTEND BELOW TOP OF BEDDING. 5. MINIMUM AND MAXIMUM TRENCH WIDTHS SHALL BE IN ACCORDANCE WITH PIPE
- MANUFACTURERS RECOMMENDATION AS APPROVED ON ENGINEERING PLANS.

/2" TO <sup>3</sup>/4" CRUSHED ROCK



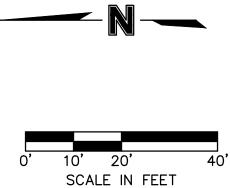






2'-0" (MIN.) OVER THE TOP OF PROPOSED PIPE ELEVATION AND TEMPORARY FILL

- AND CALCULATIONS SEALED BY A LICENSED ENGINEER FOR STRUCTURES GREATER THAN 15' IN
- OF INLET STRUCTURES AND ENDS OF FLARED END
- 4. ALL STORM SEWER PIPE TO BE HDPE, RCP CLASS
- 5. ALL AREA INLETS SHOULD BE CONSTRUCTED WITH

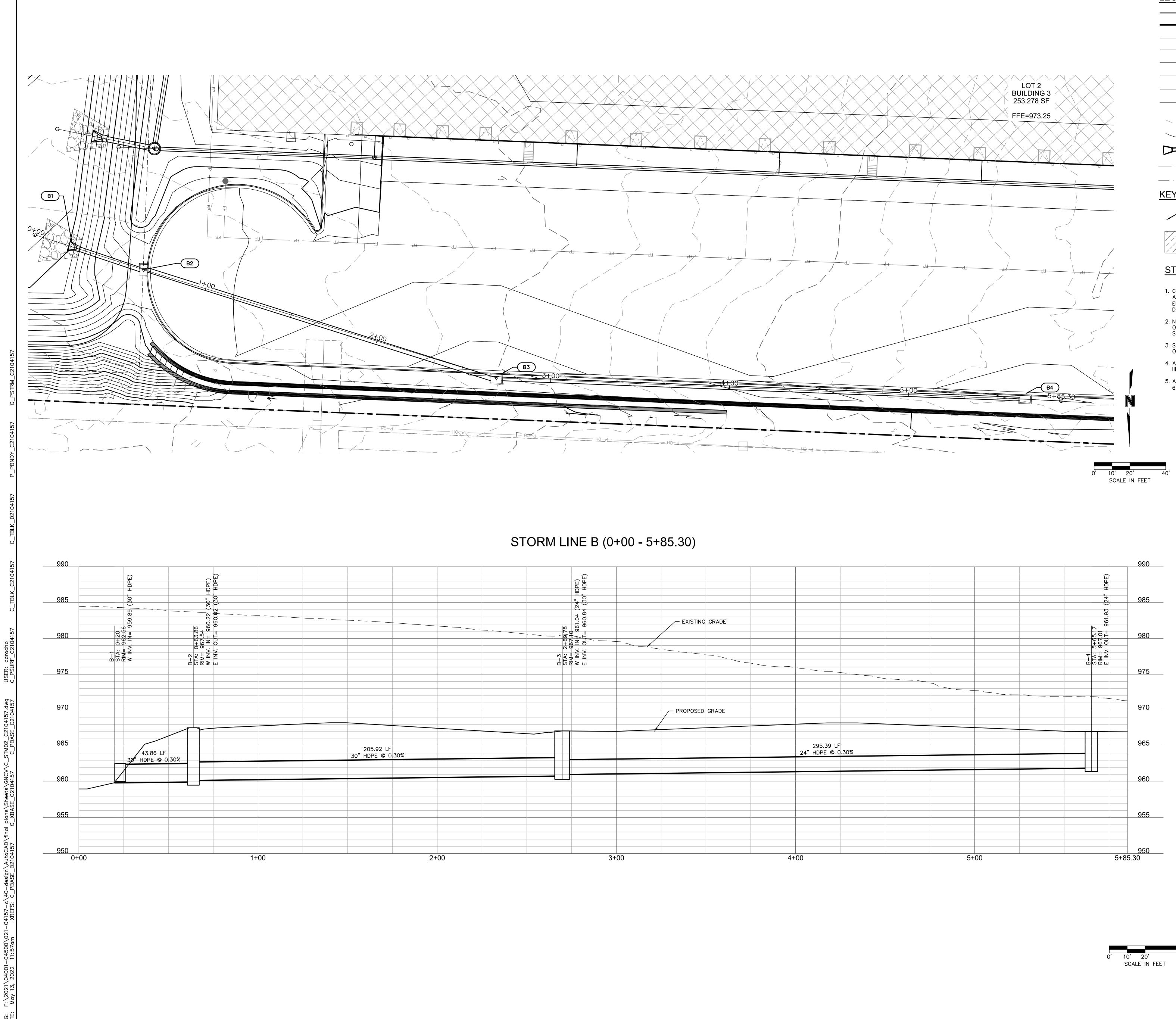


# SANITARY SEWER SERVICE **U** FUTURE TELEPHONE SERVICE EXISTING GRADE CONTOUR FINISHED GRADE CONTOUR S \_\_\_\_\_ш Ш-∠\_\_ ~ $\checkmark$ • 0 Ŭ <sup>°</sup> S -MITCHELL ALAN \* PLEAK NUMBER PE-2009018764 05-20-22 ONALEN DESCRIPTION 30" CONCRETE FLARED END SECTION WITH TOE WALL INV IN = 958.57 (30" HDPE) N: 53730.335; E: 54675.367 REV NO 7'X5' NONSETBACK CURB INLET 5'X6' NONSETBACK CURB INLET 3+10.05, 0.00' STORM LINE A DEVELOPMENT LEE'S SUMMIT LOGISTICS ORNER OF TUDOR ROAD AND MAIN STRE JRI S TORM PLAN & PROFILE LINE A DEVELOPEMENT PLAN - BUILDING 6'X5' NONSETBACK CURB INLET INV OUT = 962.05 (24" HDPE) N: 53833.184; E: 55191.052 , ÅL S. drawn by: checked by: approved by: QA/QC by: MP project no.: B21-04157 drawing @oSTM02\_C2104157.dwg

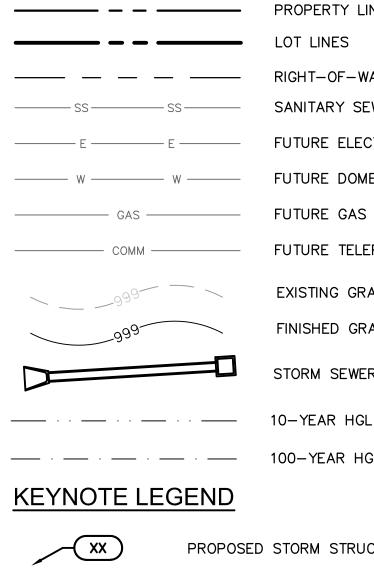
date: 03.11.2022

SHEET

C7.01



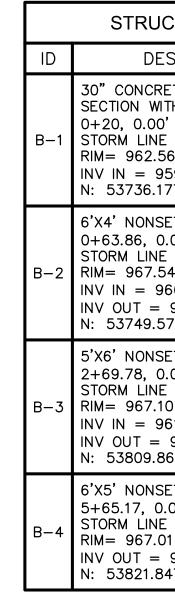
# LEGEND



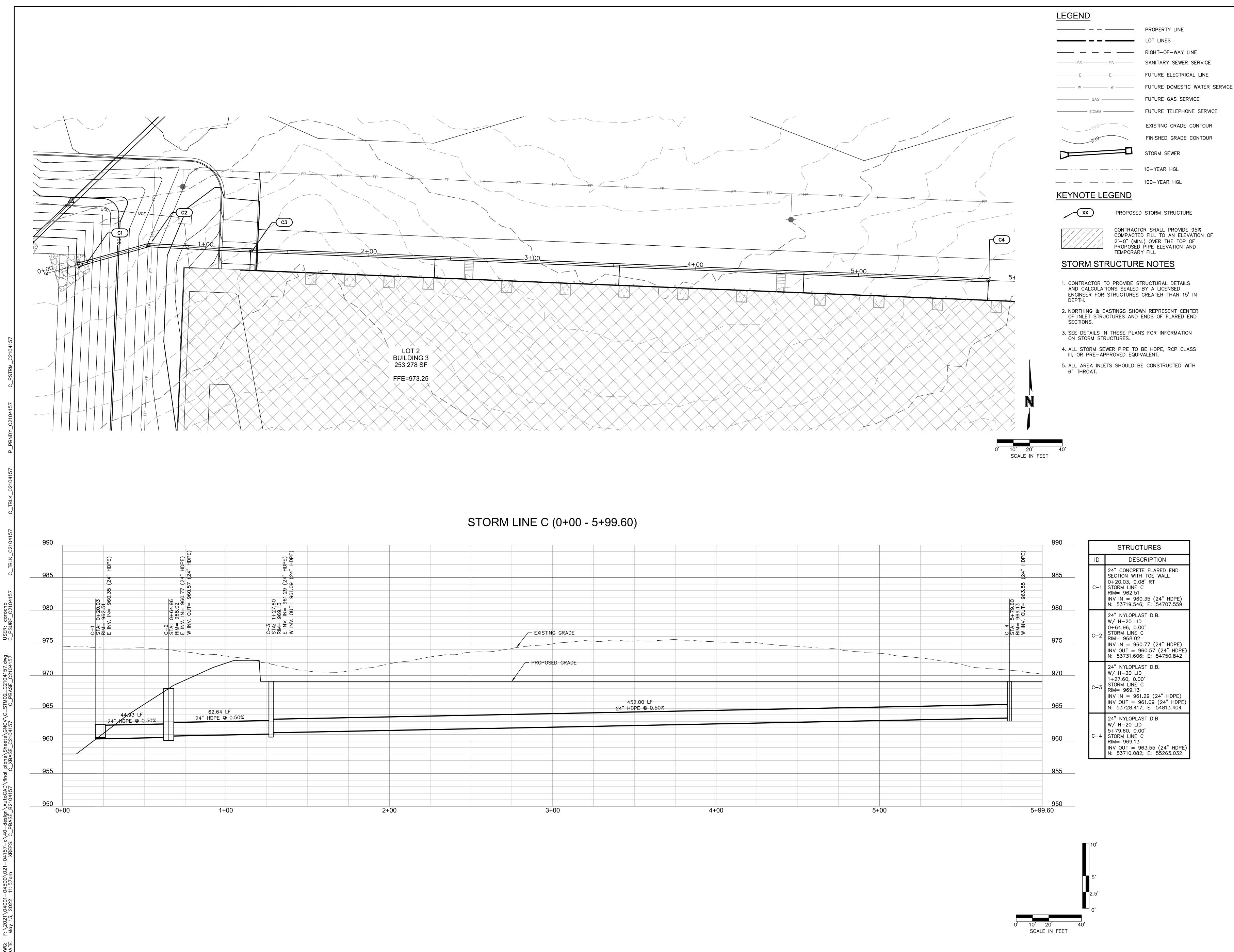
CONTRACTOR SHALL PROV COMPACTED FILL TO AN E 2'-0" (MIN.) OVER THE PROPOSED PIPE ELEVATIO TEMPORARY FILL

STORM STRUCTURE NOTES

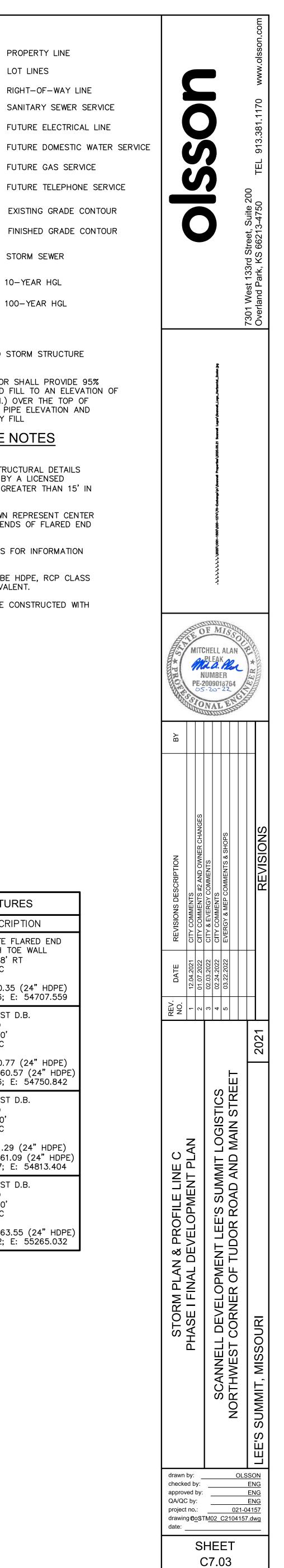
- 1. CONTRACTOR TO PROVIDE STRUCTURAL DE AND CALCULATIONS SEALED BY A LICENSEI ENGINEER FOR STRUCTURES GREATER THAI DEPTH.
- 2. NORTHING & EASTINGS SHOWN REPRESENT OF INLET STRUCTURES AND ENDS OF FLARE SECTIONS.
- 3. SEE DETAILS IN THESE PLANS FOR INFORM ON STORM STRUCTURES.
- 4. ALL STORM SEWER PIPE TO BE HDPE, RCP ( III, OR PRE-APPROVED EQUIVALENT.
- 5. ALL AREA INLETS SHOULD BE CONSTRUCTE 6" THROAT.

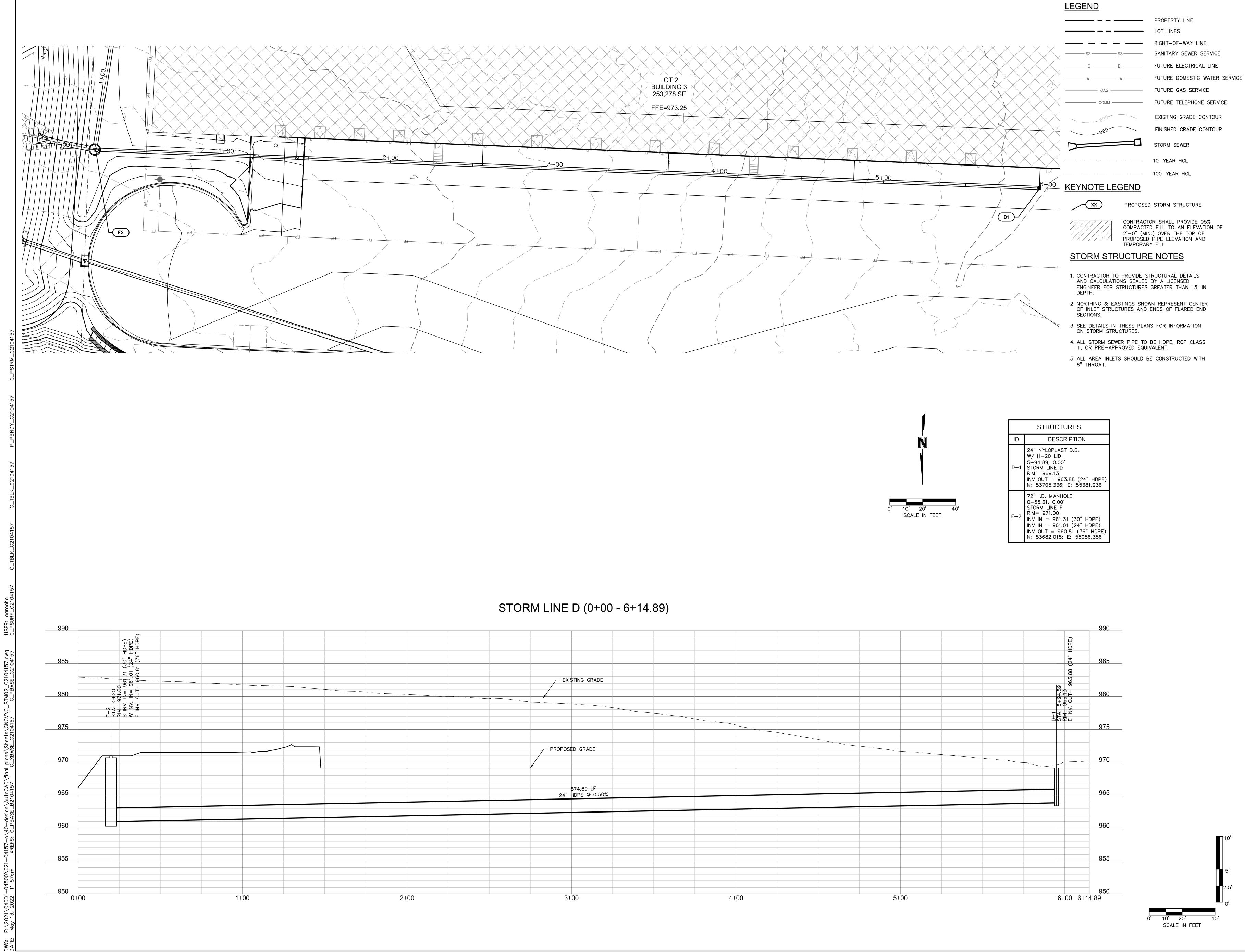


UNE WAY LINE EWER SERVICE CTRICAL LINE MESTIC WATER SERVICE S SERVICE EPHONE SERVICE RADE CONTOUR RADE CONTOUR ER EL		うつう	7301 West 133rd Street, Suite 200 Overland Park, KS 66213-4750 TEL 913.381.1170 www.olsson.com
JCTURE OVIDE 95% ELEVATION OF TOP OF ION AND TOP OF ION TOP OF ION AND TOP OF ION		TCHELL ALAN PLEAK NUMBER	
CTURES ESCRIPTION RETE FLARED END ITH TOE WALL O' E B	REVISIONS DESCRIPTION BY	-2009018764 -5-20-22 ONAL ENG	REVISIONS
259.89 (30" HDPE) 277; E: 56004.105 SETBACK CURB INLET 0.00' RT E B 54 960.22 (30" HDPE) 960.02 (30" HDPE) 574; E: 55962.342 SETBACK CURB INLET 0.00' E B 10 961.04 (24" HDPE) 960.84 (30" HDPE) 365; E: 55765.443 SETBACK CURB INLET 0.00' E B 01 961.93 (24" HDPE) 347; E: 55470.296	L DEVELOPEMENT PLAN & PROFILE B	L DEVELOPMENT LEE'S SUMMIT LOGISTICS CORNER OF TUDOR ROAD AND MAIN STREET	OURI 2022
	drawn by: checked by approved b QA/QC by: project no.: drawing @ot date:	SCANNELL SCANNELL NORTHWEST	SSIW 'LIWWICS SIL SL SR -04157

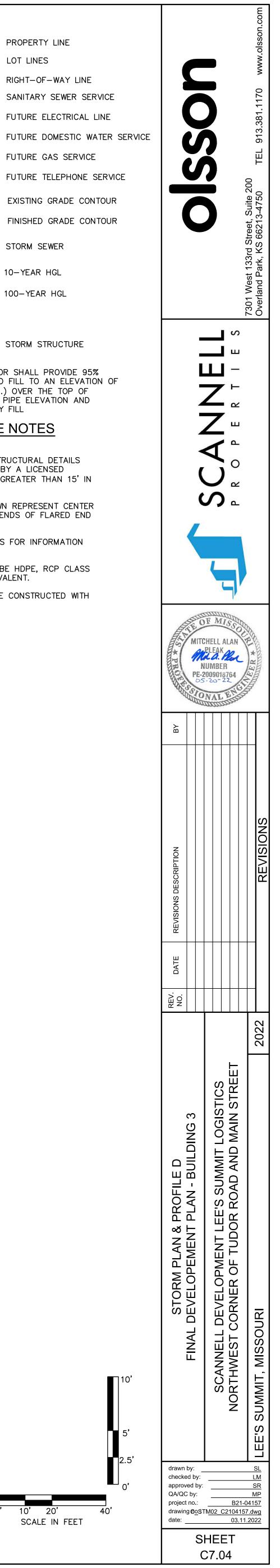


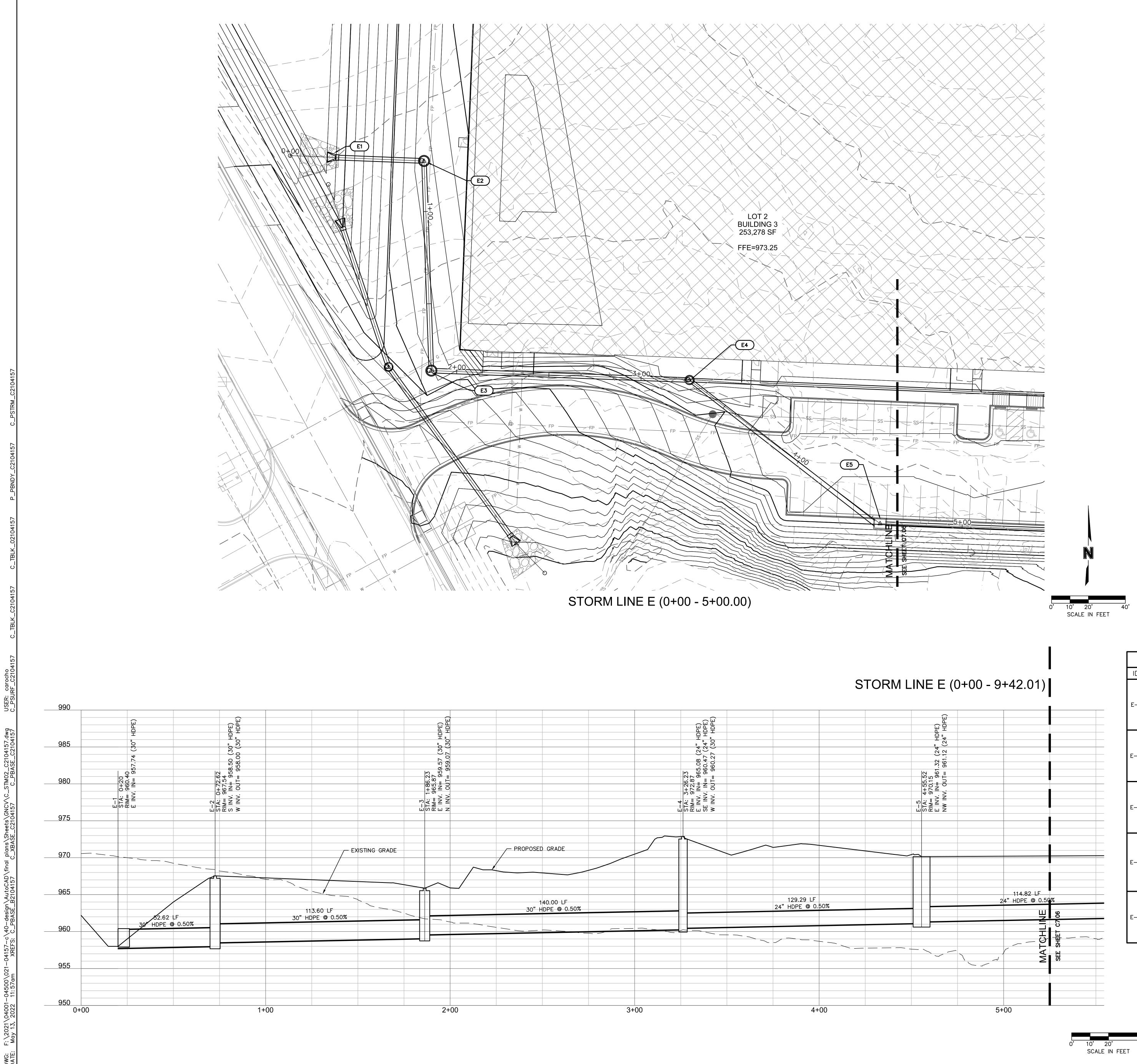
- OF INLET STRUCTURES AND ENDS OF FLARED END





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# LEGEND

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999		FINISHED GRADE
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· · · · · ·	·	10-YEAR HGL
· · ·	- ·	100-YEAR HGL
KEYNOTE LEG	END	
XX	PROPOSED	STORM STRUCTU

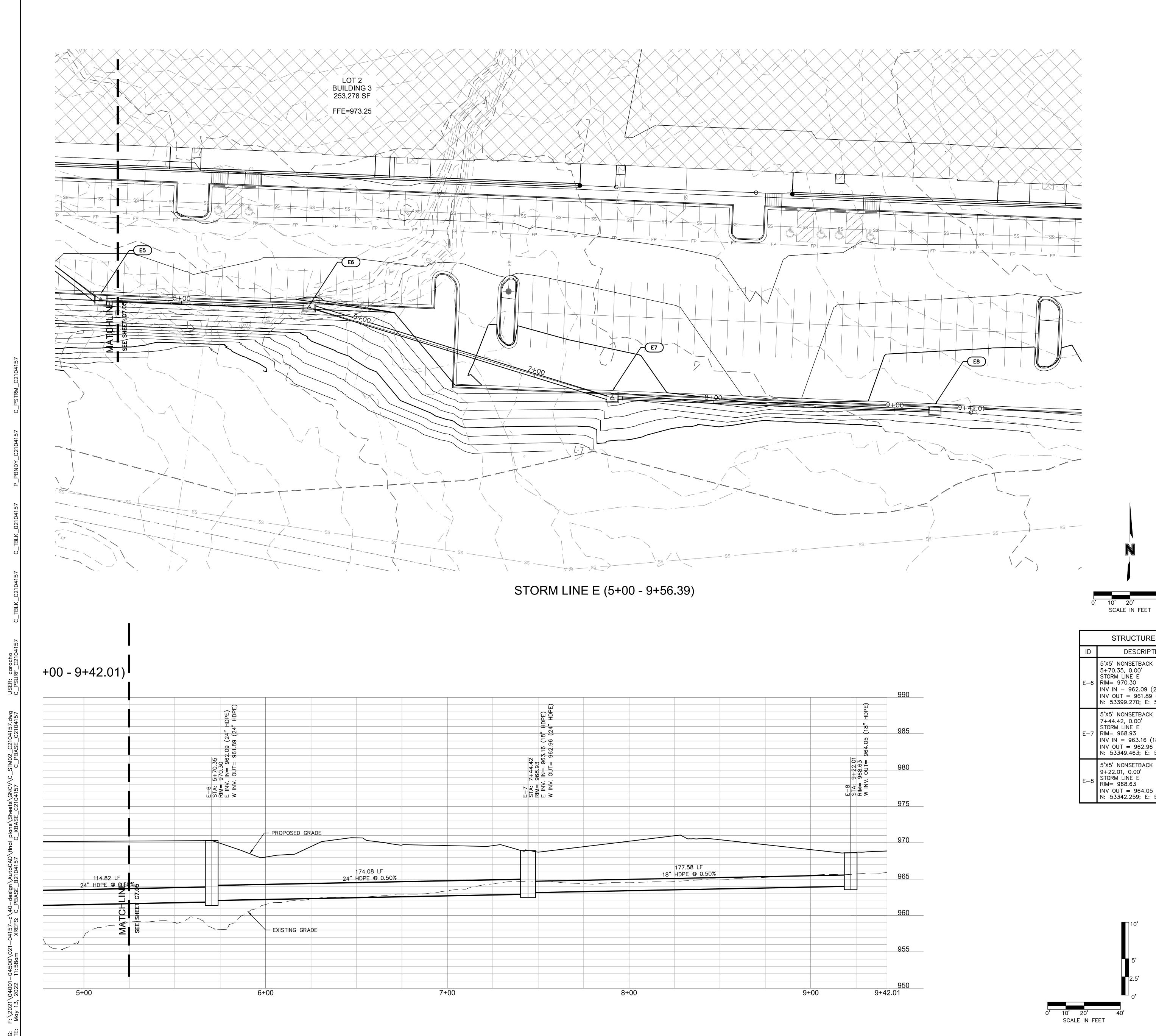
CONTRACTOR SHALL PROVIDE 95% COMPACTED FILL TO AN ELEVATION OF 2'-0" (MIN.) OVER THE TOP OF PROPOSED PIPE ELEVATION AND TEMPORARY FILL

# STORM STRUCTURE NOTES

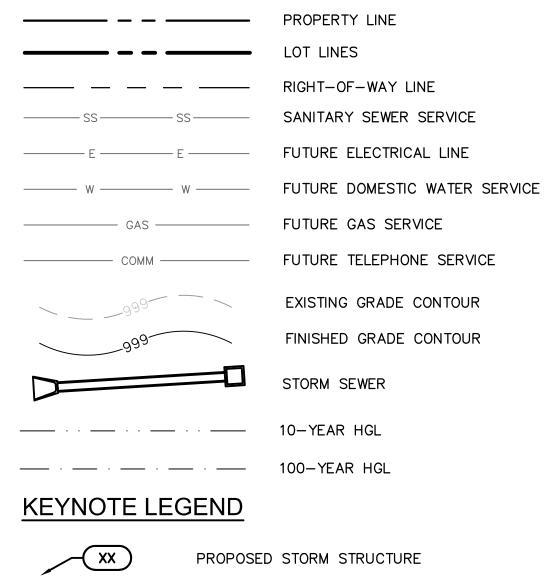
- 1. CONTRACTOR TO PROVIDE STRUCTURAL DETAILS AND CALCULATIONS SEALED BY A LICENSED ENGINEER FOR STRUCTURES GREATER THAN 15' IN DEPTH.
- NORTHING & EASTINGS SHOWN REPRESENT CENTER OF INLET STRUCTURES AND ENDS OF FLARED END SECTIONS.
- 3. SEE DETAILS IN THESE PLANS FOR INFORMATION ON STORM STRUCTURES.
- 4. ALL STORM SEWER PIPE TO BE HDPE, RCP CLASS III, OR PRE-APPROVED EQUIVALENT.
- ALL AREA INLETS SHOULD BE CONSTRUCTED WITH 6" THROAT.

STRUCTURES		
ID	DESCRIPTION	
E-1	30" CONCRETE FLARED END SECTION WITH TOE WALL 0+20, 0.00' STORM LINE E RIM= 960.40 INV IN = 957.74 (30" HDPE) N: 53601.961; E: 54691.675	
E-2	60" I.D. MANHOLE 0+72.62, 0.00' STORM LINE E RIM= 967.54 INV IN = 958.50 (30" HDPE) INV OUT = 958.00 (30" HDPE) N: 53599.826; E: 54744.255	
E-3	60" I.D. MANHOLE 1+86.23, 0.00' STORM LINE E RIM= 965.87 INV IN = 959.57 (30" HDPE) INV OUT = 959.07 (30" HDPE) N: 53486.291; E: 54748.216	
E-4	48" I.D. MANHOLE 3+26.23, 0.00' STORM LINE E RIM= 972.87 INV IN = 965.08 (24" HDPE) INV IN = 960.47 (24" HDPE) INV OUT = 960.27 (30" HDPE) N: 53481.183; E: 54888.123	
E-5	5'X6' NONSETBACK CURB INLET 4+55.52, 0.00' STORM LINE E RIM= 970.15 INV IN = 961.32 (24" HDPE) INV OUT = 961.12 (24" HDPE) N: 53403.429; E: 54991.423	
	10' 5' 2.5' 0'	

# LINE -WAY LINE SEWER SERVICE ELECTRICAL LINE DOMESTIC WATER SERVICE GAS SERVICE TELEPHONE SERVICE GRADE CONTOUR GRADE CONTOUR TRUCTURE MITCHELL ALAN PLEAK NUMBER PE-2009018764 OS-20-22 DATE REVISIONS DESCRIPT 12.04.2021 CITY COMMENTS 01.07.2022 CITY COMMENTS #2 AND 02.03.2022 CITY & EVERGY COMMEN 02.24.2022 CITY COMMENTS 03.22.2022 EVERGY & MEP COMMEN 57 4 3 2 1 NO. LOPMENT LEE'S SUMMIT LOGISTICS ER OF TUDOR ROAD AND MAIN STREET PLAN & PROFILE LINE E INAL DEVELOPMENT PLAN STORM I PHASE I FII DEVE CORNI ELL I ST C drawn by: OLSSON Checked by: ENG approved by: ENG QA/QC by: ENG project no.: 021-04157 drawing @oSTM02\_C2104157.dwg date: date: \_\_\_\_ SHEET C7.05



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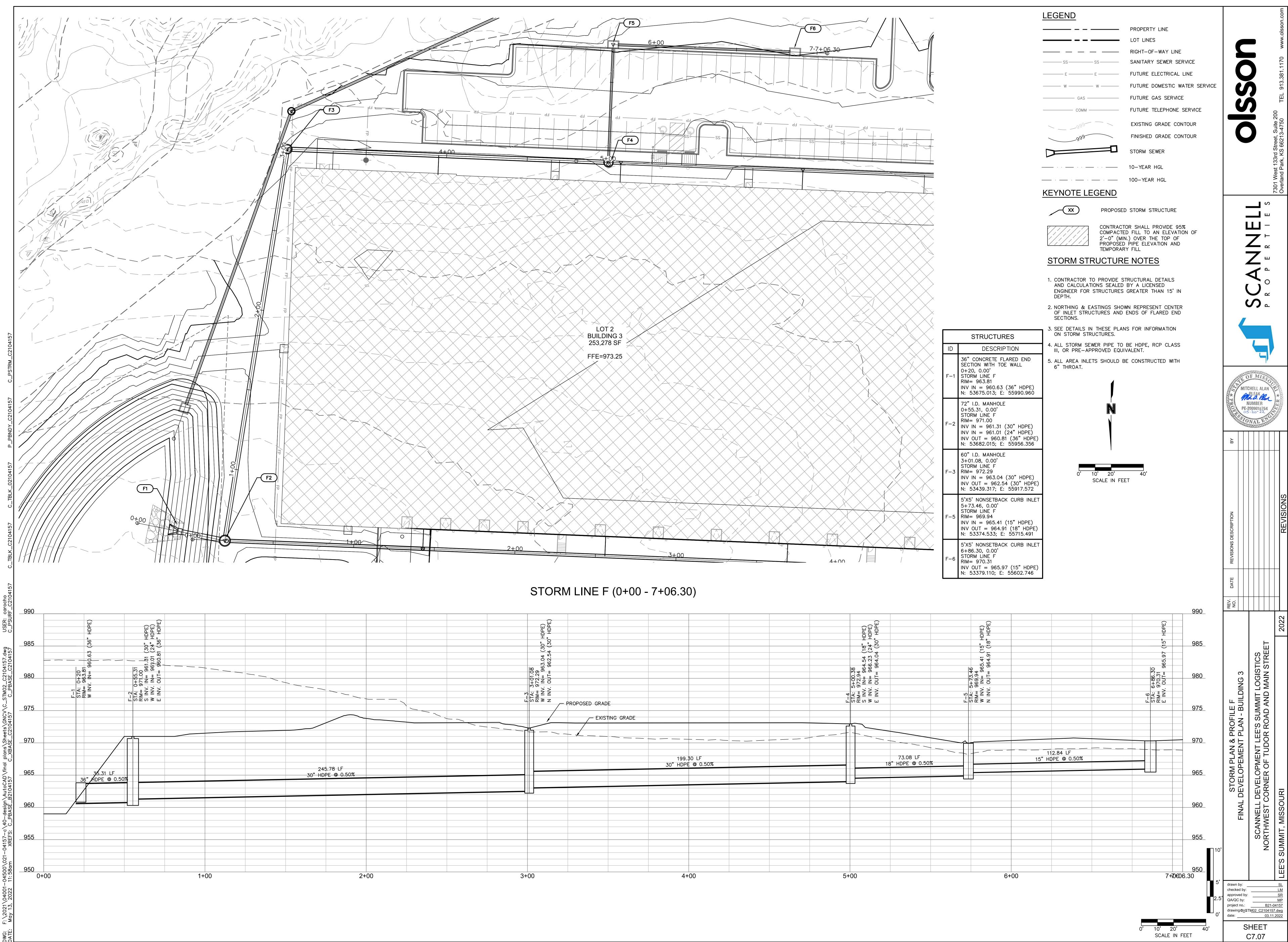


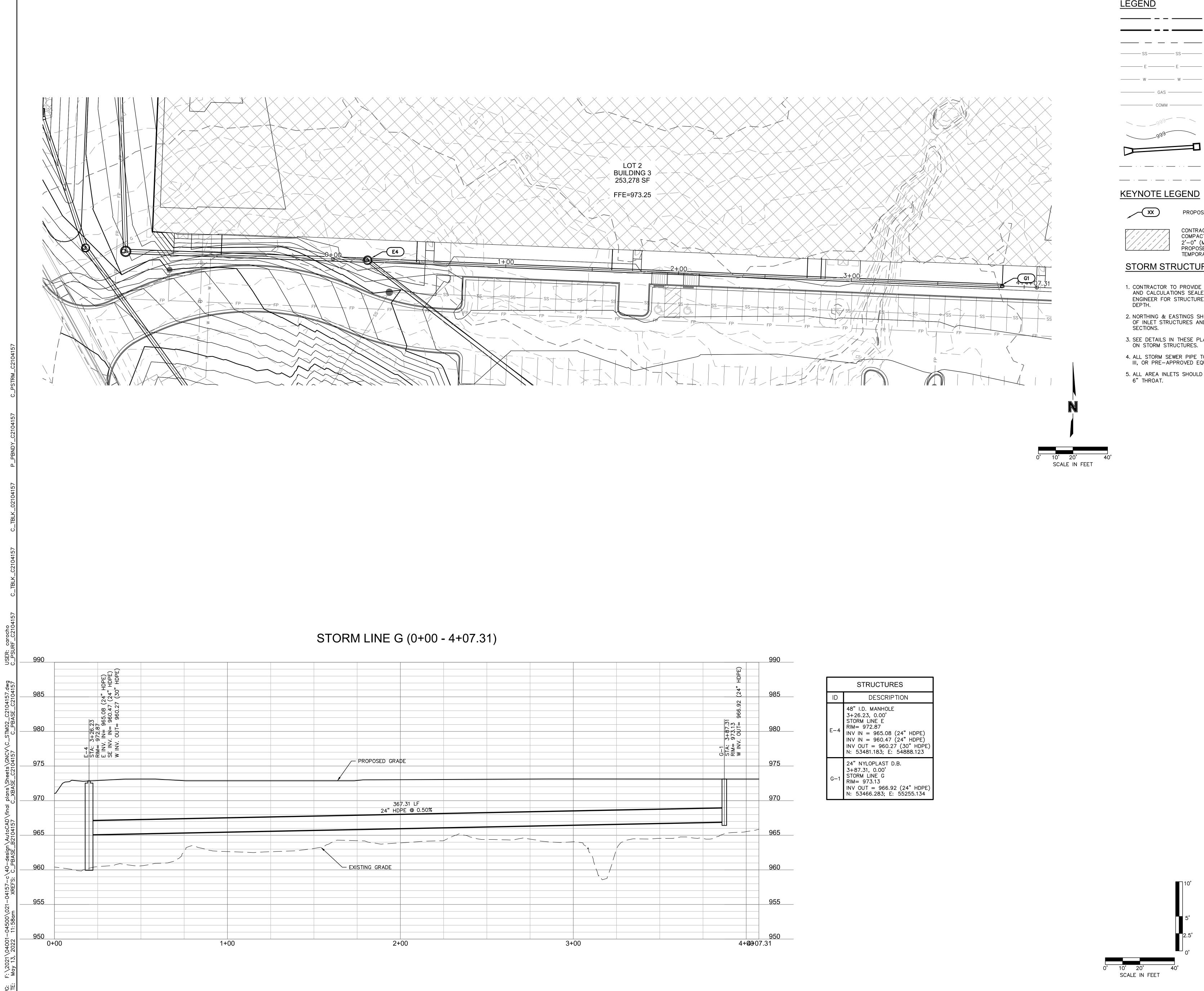
STORM STRUCTURE NOTES

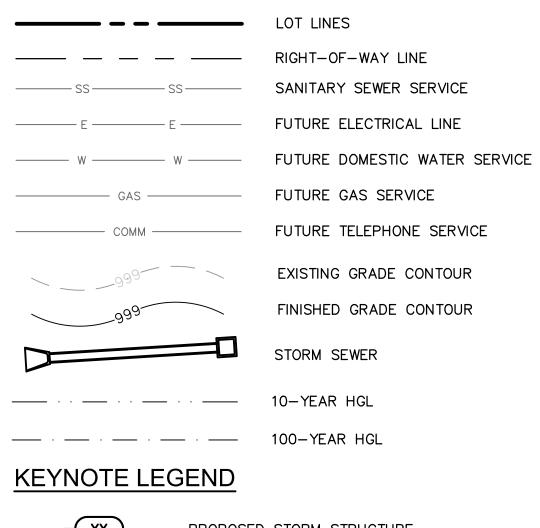
- 1. CONTRACTOR TO PROVIDE STRUCTURAL DETAILS
- AND CALCULATIONS SEALED BY A LICENSED ENGINEER FOR STRUCTURES GREATER THAN 15' IN DEPTH.
- 2. NORTHING & EASTINGS SHOWN REPRESENT CENTER OF INLET STRUCTURES AND ENDS OF FLARED END SECTIONS.
- 3. SEE DETAILS IN THESE PLANS FOR INFORMATION ON STORM STRUCTURES.
- 4. ALL STORM SEWER PIPE TO BE HDPE, RCP CLASS III, OR PRE-APPROVED EQUIVALENT.
- ALL AREA INLETS SHOULD BE CONSTRUCTED WITH 6" THROAT.

	STRUCTURES				
ID	DESCRIPTION				
E-6	5'X5' NONSETBACK CURB INLET 5+70.35, 0.00' STORM LINE E RIM= 970.30 INV IN = 962.09 (24" HDPE) INV OUT = 961.89 (24" HDPE) N: 53399.270; E: 55106.171				
E-7	5'X5' NONSETBACK CURB INLET 7+44.42, 0.00' STORM LINE E RIM= 968.93 INV IN = 963.16 (18" HDPE) INV OUT = 962.96 (24" HDPE) N: 53349.463; E: 55272.970				
E-8	5'X5' NONSETBACK CURB INLET 9+22.01, 0.00' STORM LINE E RIM= 968.63 INV OUT = 964.05 (18" HDPE) N: 53342.259; E: 55450.409				

# S S CONTRACTOR SHALL PROVIDE 95% COMPACTED FILL TO AN ELEVATION OF 2'-0" (MIN.) OVER THE TOP OF PROPOSED PIPE ELEVATION AND TEMPORARY FILL MITCHELL ALAN PLEAK NUMBER PE-2009018764 05-20-22 DATE REVISIONS DES 12.04.2021 CITY COMMENTS 01.07.2022 CITY COMMENTS# 02.03.2022 CITY COMMENTS# 02.03.2022 CITY COMMENTS# 02.03.2022 CITY COMMENTS# 03.22.2022 CITY COMMENTS# 03.22.2022 EVERGY & MEP CO 5 4 3 2 1 NO. OPMENT LEE'S SUMMIT LOGISTICS R OF TUDOR ROAD AND MAIN STRE AN & PROFILE E CONT. IAL DEVELOPMENT PLAN STORM PHASE I F DEVI CORN ELL I ST C OLSSON drawn by: Checked by: ENG approved by: ENG QA/QC by: ENG project no.: 021-04157 drawing @oSTM02 C2104157.dwg date: SHEET C7.06







PROPOSED STORM STRUCTURE

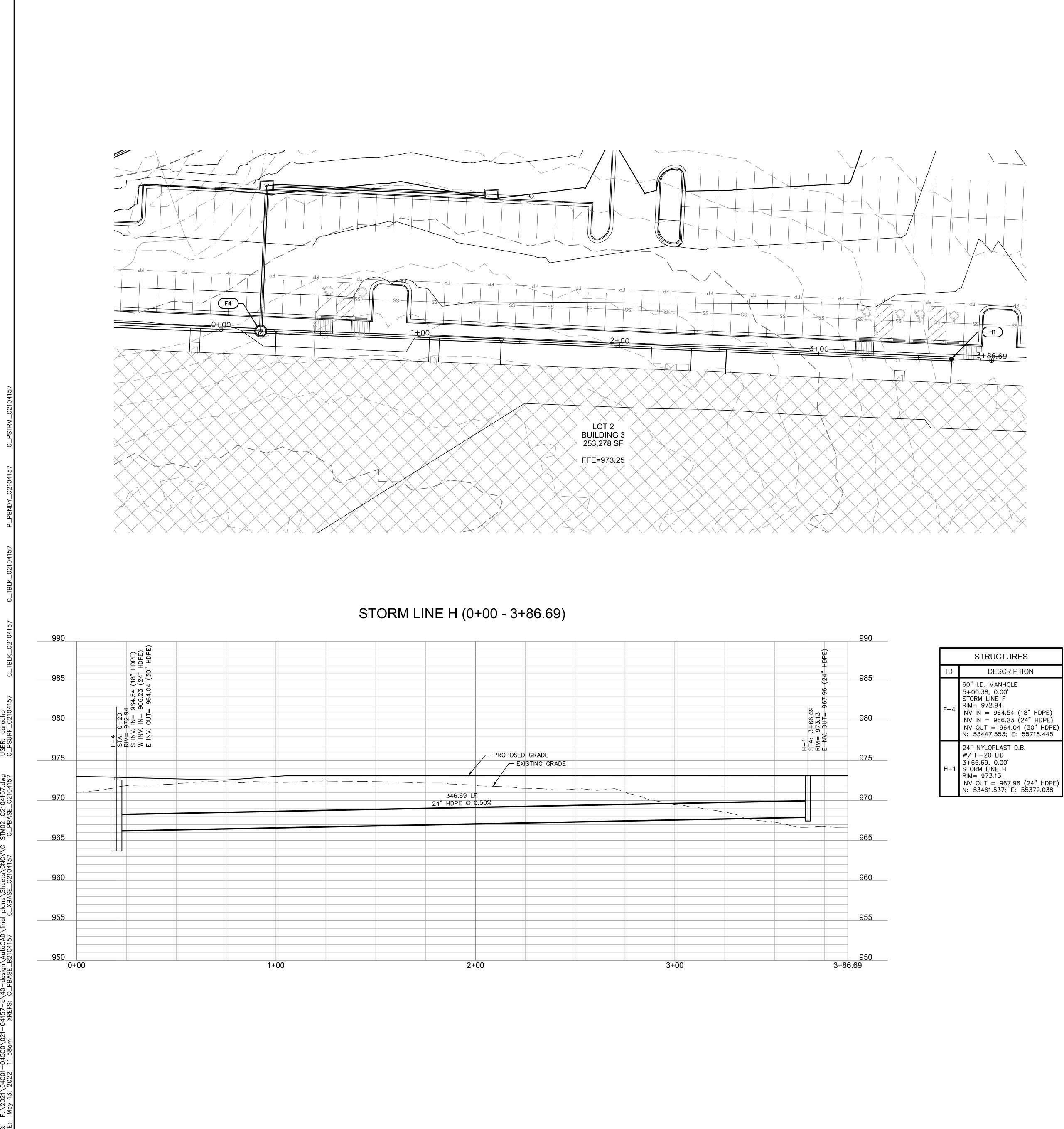
CONTRACTOR SHALL PROVIDE 95% COMPACTED FILL TO AN ELEVATION OF 2'-0" (MIN.) OVER THE TOP OF PROPOSED PIPE ELEVATION AND TEMPORARY FILL

STORM STRUCTURE NOTES

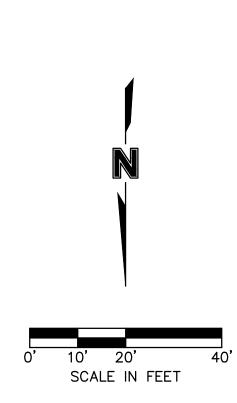
- 1. CONTRACTOR TO PROVIDE STRUCTURAL DETAILS AND CALCULATIONS SEALED BY A LICENSED ENGINEER FOR STRUCTURES GREATER THAN 15' IN
- 2. NORTHING & EASTINGS SHOWN REPRESENT CENTER OF INLET STRUCTURES AND ENDS OF FLARED END
- 3. SEE DETAILS IN THESE PLANS FOR INFORMATION ON STORM STRUCTURES.
- 4. ALL STORM SEWER PIPE TO BE HDPE, RCP CLASS III, OR PRE-APPROVED EQUIVALENT.
- 5. ALL AREA INLETS SHOULD BE CONSTRUCTED WITH

STRUCTURES			
ID	DESCRIPTION		
E-4	48" I.D. MANHOLE 3+26.23, 0.00' STORM LINE E RIM= 972.87 INV IN = 965.08 (24" HDPE) INV IN = 960.47 (24" HDPE) INV OUT = 960.27 (30" HDPE) N: 53481.183; E: 54888.123		
G-1	24" NYLOPLAST D.B. 3+87.31, 0.00' STORM LINE G RIM= 973.13 INV OUT = 966.92 (24" HDPE) N: 53466.283; E: 55255.134		

# PROPERTY LINE S U EXISTING GRADE CONTOUR FINISHED GRADE CONTOUR MITCHELL ALAN PLEAK NUMBER PE-2009018764 NAL VISION AMENTS & S REV.<br/>NO.DATEREVISIONS DESCRIPTION112.04.2021CITY COMMENTS201.07.2022CITY COMMENTS #2 AND OWNI302.03.2022CITY & EVERGY COMMENTS402.24.2022CITY COMMENTS503.22.2022EVERGY & MEP COMMENTS &: STORM PLAN & PROFILE LINE G PHASE I FINAL DEVELOPMENT PLAN NELL DEVELOPMENT LEE'S SUMMIT LOGISTICS EST CORNER OF TUDOR ROAD AND MAIN STREET ISSOURI ELL E SCANNE drawn by: OLSSON Checked by: ENG approved by: ENG QA/QC by: ENG project no.: 021-04157 drawing @oSTM02\_C2104157.dwg date: date: \_\_\_\_\_ SHEET C7.08



STRUCTURES			
ID	DESCRIPTION		
F-4	60" I.D. MANHOLE 5+00.38, 0.00' STORM LINE F RIM= 972.94 INV IN = 964.54 (18" HDPE) INV IN = 966.23 (24" HDPE) INV OUT = 964.04 (30" HDPE) N: 53447.553; E: 55718.445		
H-1	24" NYLOPLAST D.B. W/ H-20 LID 3+66.69, 0.00' STORM LINE H RIM= 973.13 INV OUT = 967.96 (24" HDPE) N: 53461.537; E: 55372.038		



# LEGEND

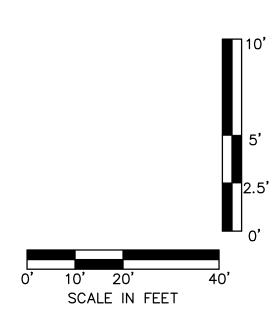
<b>_</b>		LOT LINES
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GAS		FUTURE GAS SEF
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<u> </u>	<u> </u>	EXISTING GRADE
999	<b>`</b>	FINISHED GRADE
	-0	STORM SEWER
· · · · ·		10-YEAR HGL
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KEYNOTE LEGEN	<u>ND</u>	

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XX PROPOSED STORM STRUCTURE

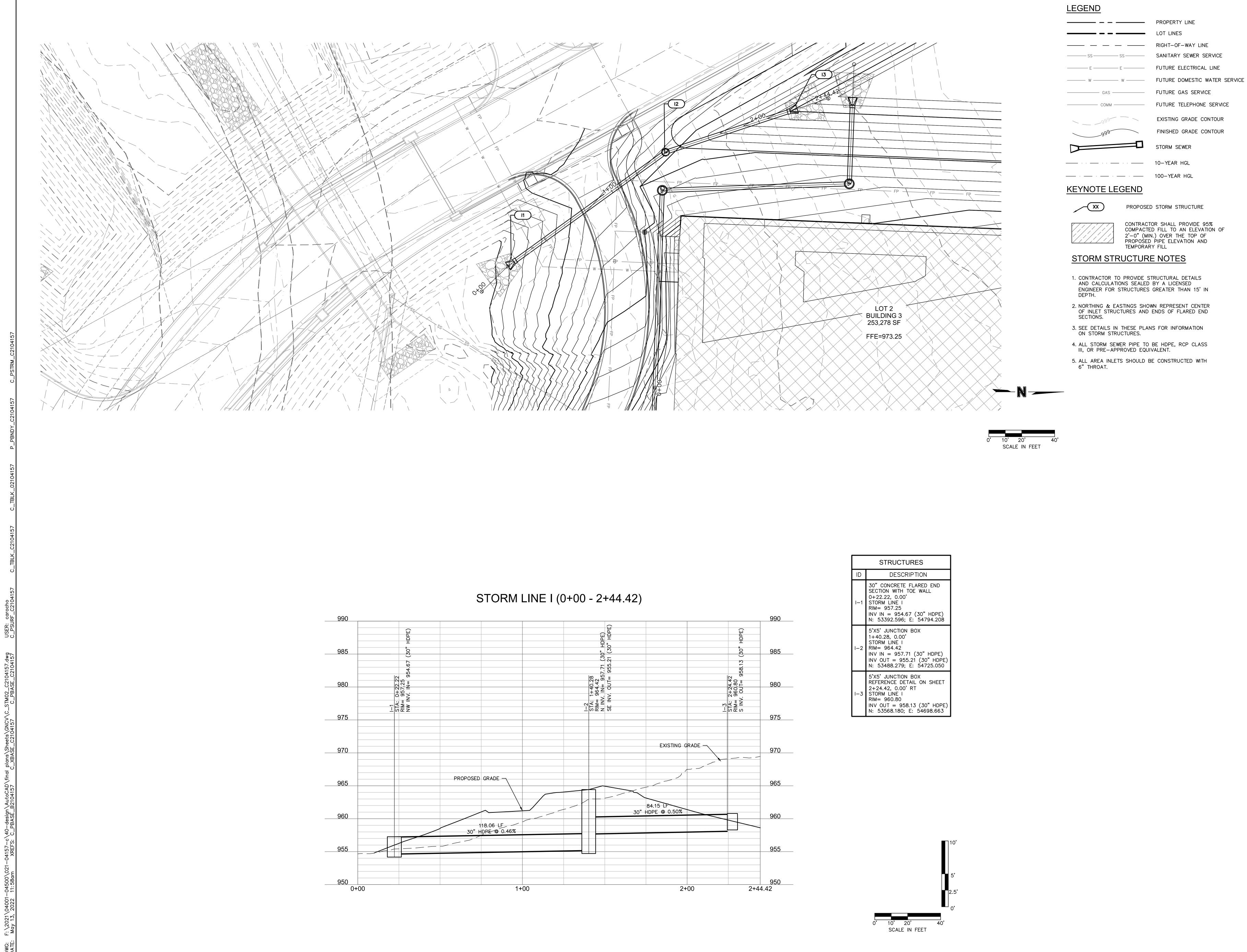
STORM STRUCTURE NOTES

- 1. CONTRACTOR TO PROVIDE STRUCTURAL DETAILS AND CALCULATIONS SEALED BY A LICENSED ENGINEER FOR STRUCTURES GREATER THAN 15' IN DEPTH.
- NORTHING & EASTINGS SHOWN REPRESENT CENTER OF INLET STRUCTURES AND ENDS OF FLARED END SECTIONS.
- 3. SEE DETAILS IN THESE PLANS FOR INFORMATION ON STORM STRUCTURES.
- 4. ALL STORM SEWER PIPE TO BE HDPE, RCP CLASS III, OR PRE-APPROVED EQUIVALENT.
- ALL AREA INLETS SHOULD BE CONSTRUCTED WITH 6" THROAT.



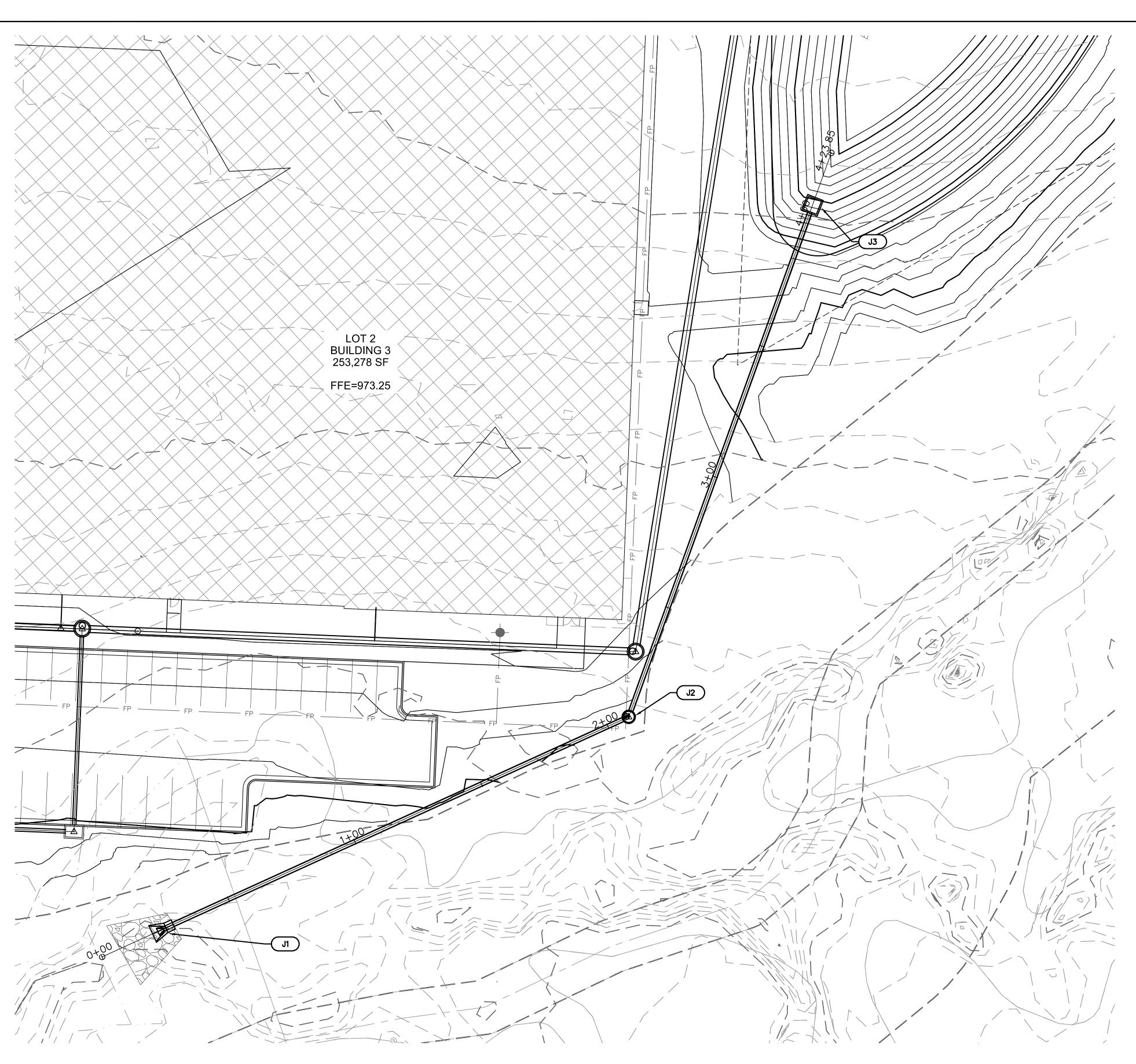
# PROPERTY LINE GHT-OF-WAY LINE ANITARY SEWER SERVICE JTURE ELECTRICAL LINE S JTURE DOMESTIC WATER SERVICE JTURE GAS SERVICE G TURE TELEPHONE SERVICE XISTING GRADE CONTOUR NISHED GRADE CONTOUR S S \_\_\_\_ Ш-CONTRACTOR SHALL PROVIDE 95% COMPACTED FILL TO AN ELEVATION OF 2'—0" (MIN.) OVER THE TOP OF PROPOSED PIPE ELEVATION AND TEMPORARY FILL Z Ŭ S<sup>L</sup> MITCHELL ALAN PLEAK NUMBER PE-2009018764 OS-20-22 STORM PLAN & PROFILE H L DEVELOPEMENT PLAN - BUILDING 3 L DEVELOPMENT LEE'S SUMMIT LOGISTICS CORNER OF TUDOR ROAD AND MAIN STREET OURI drawn by: checked by: approved by: approved by: SK QA/QC by: MP project no.: B21-04157 drawing @oSTM02\_C2104157.dwg date: SHEET

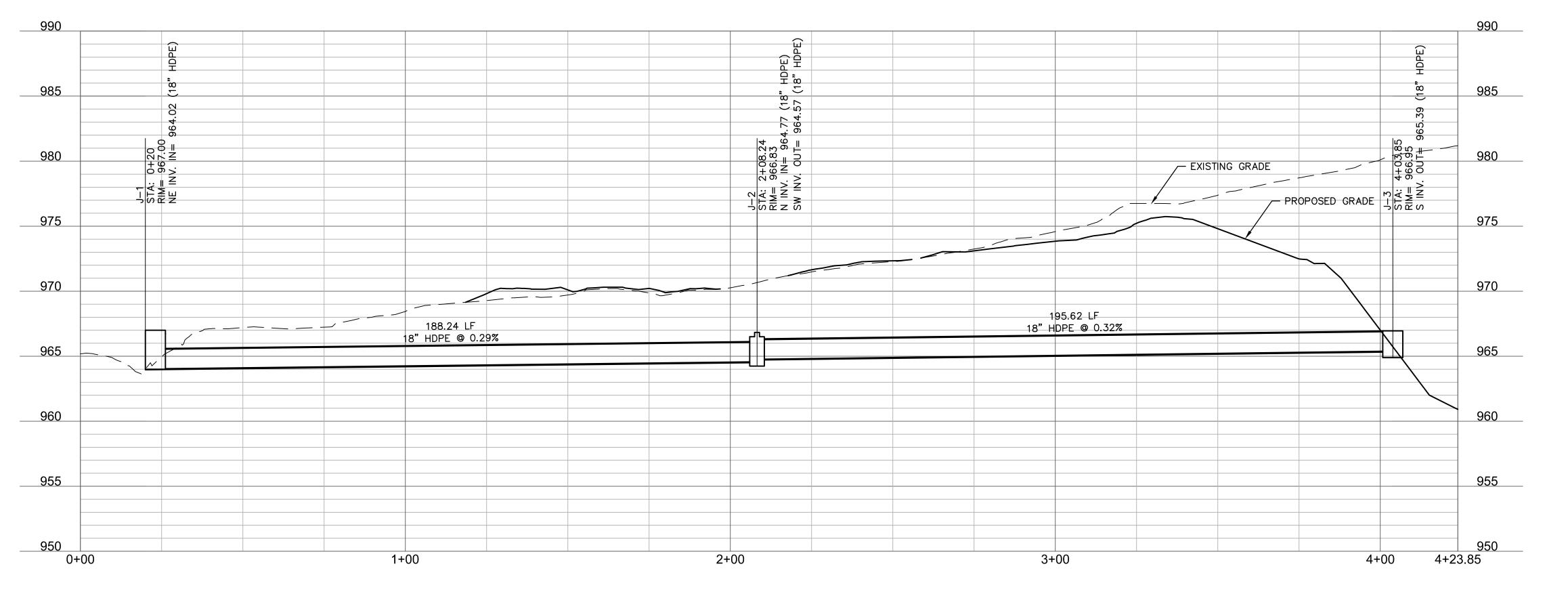
C7.09



	STRUCTURES
ID	DESCRIPTION
I—1	30" CONCRETE FLARED END SECTION WITH TOE WALL 0+22.22, 0.00' STORM LINE I RIM= 957.25 INV IN = 954.67 (30" HDPE) N: 53392.596; E: 54794.208
I-2	5'X5' JUNCTION BOX 1+40.28, 0.00' STORM LINE I RIM= 964.42 INV IN = 957.71 (30" HDPE) INV OUT = 955.21 (30" HDPE) N: 53488.279; E: 54725.050
I-3	5'X5' JUNCTION BOX REFERENCE DETAIL ON SHEET 2+24.42, 0.00' RT STORM LINE I RIM= 960.80 INV OUT = 958.13 (30" HDPE) N: 53568.180; E: 54698.663

# S U EXISTING GRADE CONTOUR FINISHED GRADE CONTOUR MITCHELL ALAN PLEAK NUMBER PE-2009018764 REV.<br/>NO.DATEREVISIONS DESCRIPTION112.04.2021CITY COMMENTS201.07.2022CITY COMMENTS #2 AND OWNER CH302.03.2022CITY & EVERGY COMMENTS402.24.2022CITY & EVERGY COMMENTS503.22.2022EVERGY & MEP COMMENTS & SHOP STORM PLAN & PROFILE I HASE I FINAL DEVELOPMENT PLAN L DEVELOPMENT LEE'S SUMMIT LOGISTICS - CORNER OF TUDOR ROAD AND MAIN STREET OURI OLSSON drawn by: checked by: ENG approved by: ENG QA/QC by: ENG project no.: 021-04157 drawing @oSTM02\_C2104157.dwg date: date: SHEET C7.10





STORM LINE J (0+00 - 4+23.85)



# LEGEND

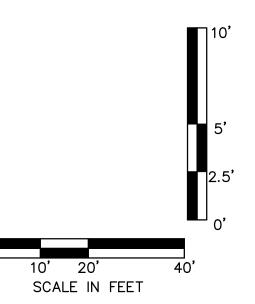
		PROPERTY LINE
		LOT LINES
		RIGHT-OF-WAY
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GAS		FUTURE GAS SEF
сомм		FUTURE TELEPHO
<u> </u>		EXISTING GRADE
999		FINISHED GRADE
		STORM SEWER
· · · · ·		10-YEAR HGL
· · ·		100-YEAR HGL
KEYNOTE LEG	<u>END</u>	

PROPOSED STORM STRUCTURE

STORM STRUCTURE NOTES

- 1. CONTRACTOR TO PROVIDE STRUCTURAL DETAILS AND CALCULATIONS SEALED BY A LICENSED
- ENGINEER FOR STRUCTURES GREATER THAN 15' IN DEPTH.
- NORTHING & EASTINGS SHOWN REPRESENT CENTER OF INLET STRUCTURES AND ENDS OF FLARED END SECTIONS.
- 3. SEE DETAILS IN THESE PLANS FOR INFORMATION ON STORM STRUCTURES.
- 4. ALL STORM SEWER PIPE TO BE HDPE, RCP CLASS III, OR PRE-APPROVED EQUIVALENT.

	STRUCTURES
ID	DESCRIPTION
J—1	36"FES 0+20, 0.00' STORM LINE J RIM= 967.00 INV IN = 964.02 (18"HDPE) N: 53337.744; E: 55743.793
J-2	48" I.D. MANHOLE 2+08.24, 0.00' STORM LINE J RIM= 966.83 INV IN = 964.77 (18" HDPE) INV OUT = 964.57 (18" HDPE) N: 53415.834; E: 55915.067
J—3	5'X5' JUNCTION BOX REFERENCE DETAIL ON SHEET 4+03.85, 0.00' STORM LINE J RIM= 966.95 INV OUT = 965.39 (18" HDPE) N: 53599.937; E: 55981.187



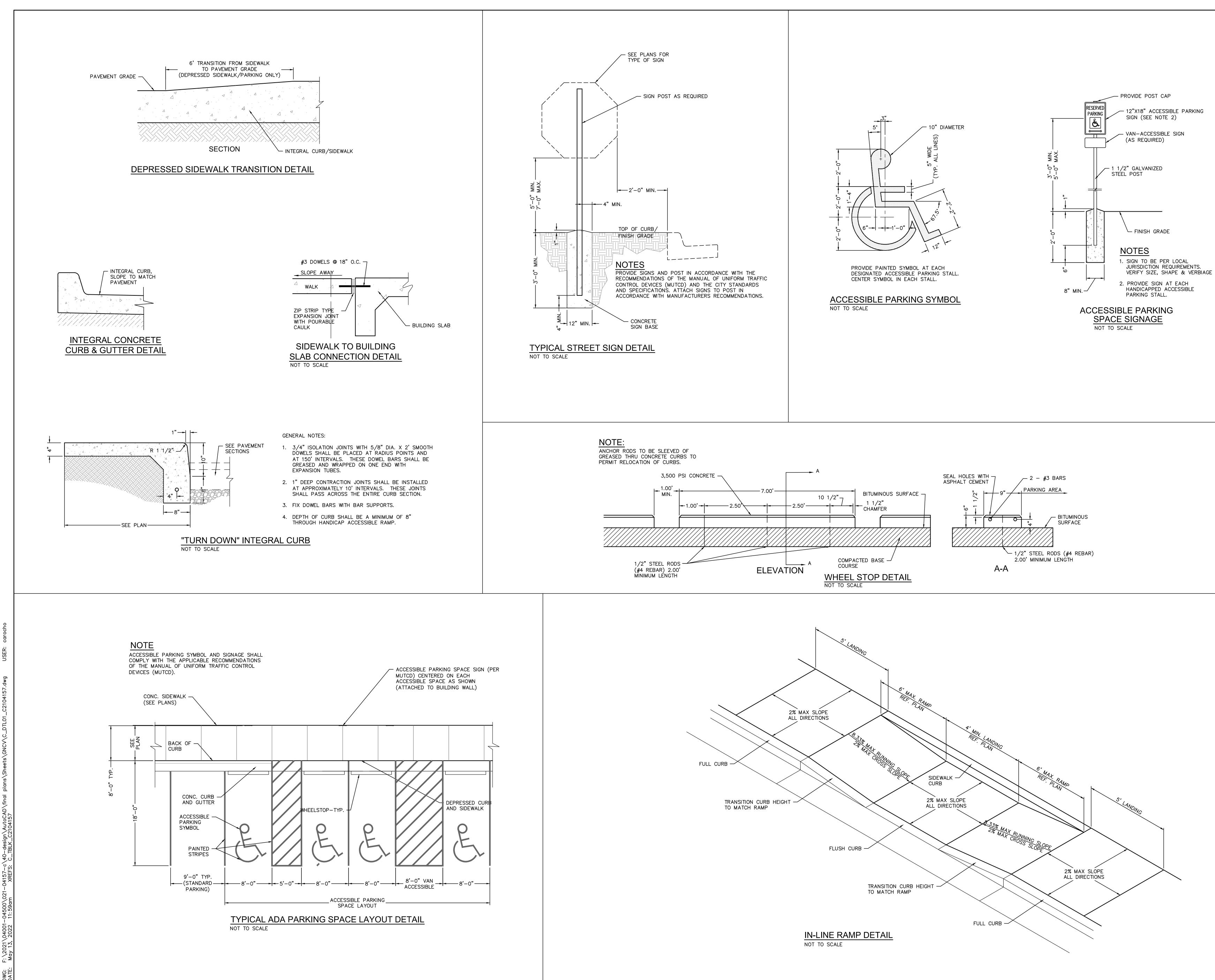
# GHT-OF-WAY LINE ANITARY SEWER SERVICE TURE ELECTRICAL LINE S JTURE DOMESTIC WATER SERVICE JTURE GAS SERVICE U TURE TELEPHONE SERVICE XISTING GRADE CONTOUR INISHED GRADE CONTOUR S \_\_\_\_ Ш – CONTRACTOR SHALL PROVIDE 95% COMPACTED FILL TO AN ELEVATION OF 2'-0" (MIN.) OVER THE TOP OF PROPOSED PIPE ELEVATION AND TEMPORARY FILL -7 $\checkmark$ Ŭ <sup>°</sup> S - ALL AREA INLETS SHOULD BE CONSTRUCTED WITH 6" THROAT. MITCHELL ALAN PLEAK NUMBER PE-2009018764 ENT LEE'S SUMMIT LOGISTICS TUDOR ROAD AND MAIN STRE З ŋ I & PROFILE J NT PLAN - BUIL ZZ . Wר] OR OR drawn by: checked by: SHEET

C7.11

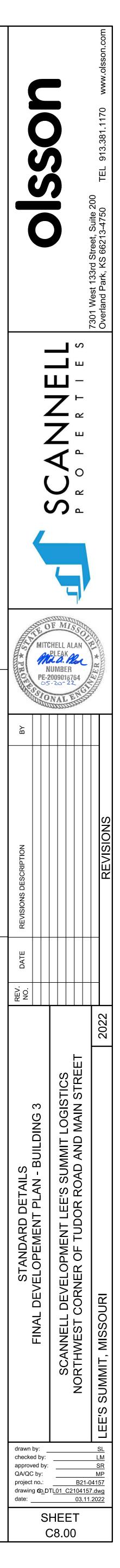
	STORM SEWER PIPE AND STRUCTURE TABLE - 10 YEAR         TITLE: Lee's Summit Logistics Building C																											
JOB #: C021-04157																												
	DESIGN CONDITIONS: PRIVATE - 10 YEAR STORM EVENT           STRUCTURES         RUNOFF CALCULATIONS           PIPE DESIGN         PIPE DESIGN																											
FROM	ТО	AREA A (ACRES) (A	REA C KC (K=1) CRES)			(CFS)	DESCRIPTION		SLOPE (%)		(CFS)	(SQ.FT.)	(F/S)	(F/S)	Hw/D	ELEVATION		FLOWLINE	WATER ELEVATION	HEAD (h f)	COEFFICIENT (k)	ENTRY LOSS (k)	OSS (h m)			OUTLET CONTROL	GRADE ELEV.	GRADE Comments (MAX)
A4		0.95		5.0	7.35	6.29										967.13											963.55	965.63
4.2	A3	0.00	0.95 0.90 0.90			6.29 6.55		263.24	0.50	24	16.04	3.14	5.11	4.79	0.75	067.02	962.05	960.73	962.04	0.21	0.40	1.00	0.36	0.56	963.55	962.61	062.46	065.72
A3	A2	0.99	0.90 0.90 1.94 0.90 0.90	5.0 5.9 0.49	7.35	12.36		167.88	0.50	30	29.08	4.91	5.92	5.68	0.77	967.23	960.53	959.69	961.42	0.15	0.40	1.00	0.50	0.65	962.46	962.07	962.46	965.73
A2	A1	0.52	0.90 0.90 2.46 0.90 0.90	5.0 6.4 0.35	7.35	3.44 15.37		126.23	0.50	30	29.08	4.91	5.92	6.00	0.83	967.98	959.20	958.57	960.50	0.18	0.40	0.40	0.22	0.40	961.27	960.90	961.27	966.48
B4	AI	1.05	0.90 0.90	5.0	7.35	6.95		120.23	0.50	30	29.00	4.91	5.92	6.00	0.63	967.01	959.20	956.57	960.50	0.10	0.40	0.40	0.22	0.40	901.27	960.90	963.46	965.51
	B3		0.90 0.90	5.0 1.21	7.35	6.95		295.52	0.30	24	12.42	3.14	3.95	4.06	0.77		961.93	961.04	962.58	0.28	0.40	1.00	0.26	0.54	963.46	963.12		
B3	B2	0.92	0.90 0.90 1.97 0.90 0.90	5.0 6.2 0.73	7.35	6.09 12.40		205.92	0.30	30	22.53	4.91	4.59	4.69	0.77	967.10	960.84	960.22	962.14	0.19	0.40	0.40	0.14	0.33	962.77	962.46	962.77	965.60
B2		0.31	0.90 0.90	5.0	7.35	2.05										967.54											962.49	966.04
Roof Drain C	B1	1.38	3.770.900.900.900.90	6.9 0.12 5.0	6.80	23.06 9.13		39.56	0.30	36	36.63	7.07	5.18	5.47	0.81	969.13	960.02	959.89	962.25	0.05	0.40	0.40	0.19	0.23	962.45	962.49	965.18	967.63
	C1		1.38 0.90 0.90	7.1 1.84		8.40		569.00	0.50	24	16.04	3.14	5.11	5.16	0.81	303.13	963.55	960.35	962.01	0.79	0.40	1.00	0.41	1.21	965.18	963.55	303.10	
Roof Drain D		1.49	0.90 0.90	5.0		9.86		E05.47	0.50	24	10.04	0.44	E 44	E 00	0.07	969.13	000.00	001.01	000 70	4.44	0.40	1.00	0.45	1.50	005.01	004.07	965.61	967.63
E8	B2	0.56	0.90 0.90 0.90 0.90	5.0 1.85 5.0	7.35	9.86 3.71		595.17	0.50	24	16.04	3.14	D. 1 1	0.30	0.87	968.63	963.88	961.01	962.78	1.14	0.40	1.00	0.45	1.59	965.61	964.37	965.23	967.13
	E7		0.56 0.90 0.90	5.0 0.70	7.35	3.71		177.58	0.50	18	7.45	1.77	4.21	4.20	0.79		964.05	963.16	964.28	0.22	0.40	1.00	0.27	0.50	965.23	964.77		
E7	E6	0.50		5.0 5.7 0.59	7.35	3.31 6.81		174.08	0.50	24	16.04	3.14	5.11	4.89	0.76	968.93	962.96	962.09	963.46	0.16	0.40	0.40	0.15	0.31	964.49	963.77	964.49	967.43
E6	20	0.26	0.90 0.90	5.7 0.59 5.0	7.35	1.72		17 4.00	0.00		10.04	0.14	0.11	4.00	0.70	970.30	002.00	002.00	000.40	0.10	0.40	0.40	0.10	0.01	004.40	000.11	963.51	968.80
E5	E5	0.19	1.32         0.90         0.90           0.90         0.90         0.90	6.3 0.37 5.0	<u>6.97</u> 7.35	8.28 1.26		114.82	0.50	24	16.04	3.14	5.11	5.14	0.81	970.30	961.89	961.32	962.85	0.16	0.40	0.40	0.16	0.32	963.51	963.17	062.91	968.80
	E4		0.90 0.90	6.7 0.41		9.34		129.01	0.50	24	16.04	3.14	5.11	5.29	0.85	970.30	961.12	960.47	962.11	0.22	0.40	0.40	0.17	0.40	962.81	962.51	962.81	900.00
E4	=0	0.00	0.90 0.90	5.0	7.35	0.00							5.00			972.87	000.07				0.10						962.46	971.37
E3	E3	0.00	2.89 0.90 0.90 0.90 0.90	7.1 0.38 5.0	6.76	17.59 0.00	Flow Line E + Roof Drain G	140.00	0.50	30	29.08	4.91	5.92	6.19	0.87	965.87	960.27	959.57	961.68	0.26	0.40	0.40	0.24	0.50	962.46	962.18	961.24	964.37
	E2		2.89 0.90 0.90	7.5 0.31	6.67	17.34		113.60	0.50	30	29.08	4.91	5.92	6.17	0.87		959.07	958.50	960.60	0.20	0.40	0.40	0.24	0.44	961.24	961.04		
E2	<b>⊑</b> 1	0.00	0.90 0.90 2.89 0.90 0.90	5.0 7.8 0.14	<u>7.35</u> 6.59	0.00		52.62	0.50	30	29.08	4.91	5.92	6 15	0.86	967.54	958.00	957.74	959.76	0.09	0.40	0.40	0.24	0.33	960.16	960.09	960.16	966.04
F6		0.20		5.0	7.35	1.32		32.02	0.00	50	29.00	4.51	0.92	0.15	0.00	970.31	330.00	337.74	939.70	0.09	0.40	0.40	0.24	0.55	300.10	300.03	966.85	968.81
	F5		0.20 0.90 0.90	5.0 0.58		1.32		112.84	0.50	15	4.58	1.23	3.73	3.23	0.71		965.97	965.41	966.10	0.05	0.40	1.00	0.16	0.21	966.85	966.31		
P F5	F4	0.34	0.90 0.90 0.34 0.90 0.90		7.35	2.25 2.20		73.08	0.50	18	7.45	1.77	4.21	3.66	0.71	969.94	964.91	964.54	965.38	0.03	0.40	1.00	0.21	0.24	965.98	965.62	965.98	968.44
F4		0.00	0.90 0.90	5.0	7.35	0.00										972.94											965.94	971.44
F3	F3	0.00	1.83         0.90         0.90           0.90         0.90         0.90		7.08	11.66 0.00	Flow Line F + Roof Drain H	199.30	0.50	30	29.08	4.91	5.92	5.59	0.76	972.29	964.04	963.04	964.71	0.16	0.40	0.40	0.19	0.36	965.94	965.07	964.43	970.79
	F2			6.5 0.70		11.39		233.09	0.50	30	29.08	4.91	5.92	5.55	0.76		962.54	961.31	962.96	0.18	0.40	0.40	0.19	0.37	964.43	963.34	<u> </u>	
F2	F1	0.00	0.90 0.90 .83 0.90 0.90	5.0 7.2 0.13	7.35	0.00	Elow Line E + Deef Dreim D	41.72	0.50	30	29.08	4.91	5.02	5.52	0.75	971.00	960.81	960.63	962.34	0.02	0.40	0.40	0.19	0.22	962.69	962.56	962.69	969.50
Roof Drain G		1.38	0.90 0.90	5.0	7.35	9.13	Flow Line F + Roof Drain D	41.72	0.50	30	29.00	4.91	5.92	0.02	0.75	973.13	90U.01	50.03	302.34	0.03	0.40	0.40	0.19	0.22	302.09	302.30	968.60	971.63
	E4		.38 0.90 0.90	5.0 1.16		9.13		367.31	0.50	24	16.04	3.14	5.11	5.26	0.84		966.92	965.08	966.80	0.60	0.40	1.00	0.43	1.03	968.60	967.83		
Roof Drain H	F4	1.49	0.90 0.90 .49 0.90 0.90	5.0 5.0 1.08	7.35	9.86 9.86		346.69	0.50	24	16.04	3.14	5.11	5.36	0.87	973.13	967.96	966.24	968.01	0.66	0.40	1.00	0.45	1.11	969.69	969.12	969.69	971.63
STORM SEWER PIPE AND STRUCTURE TABLE - 100 YEAR																												
	oummit Logist 04157	tics Building C																										
DESIGN CON	DITIONS: PI	RIVATE - 100 YE	AR STORM EVENT																									
	TURES			CALCULATION	<u>م</u>											P	<b>IPE DESIGN</b>											

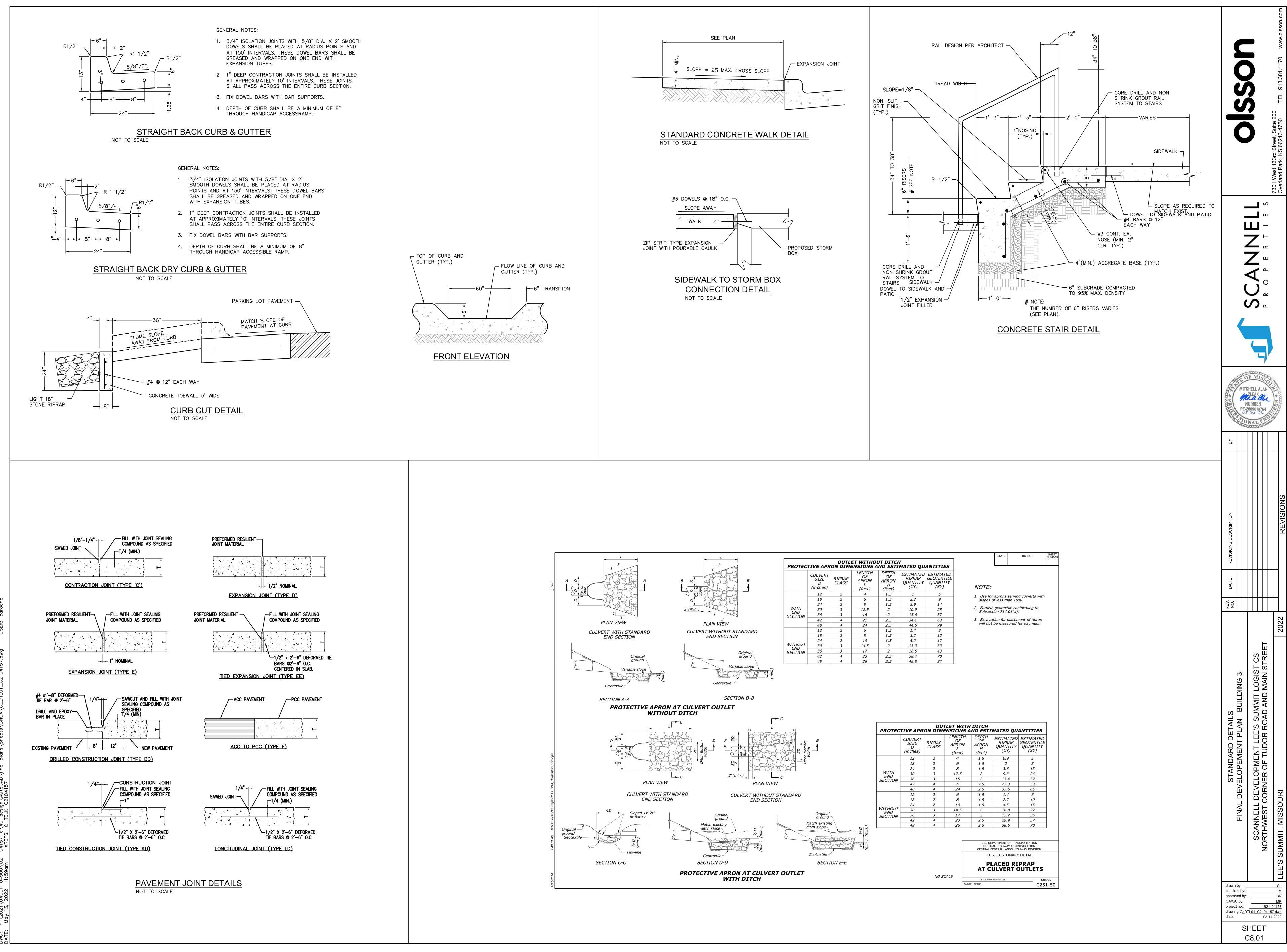
STORM SEWER PIPE AND STRUCTURE TABLE - 100 YEAR																																
TITLE: Lee's Summit Logistics Building C																																
: C021-04157																																
	<u>DNS: PR</u>	IVATE - 100	YEAR STORI																													
STRUCTUR	ES		I	RUNOF	F CAL							· · · ·			T			I	, Pl	PE DESIGN		1		1			1			1		
			TOTAL	K	c l	TC   FLOV			ESIGN Q		PIPE LENGTH	PIPE	PIPE DIA	Q FULL	PIPE AREA	V FULL	DESIGN V			UPSTREAM	DOWNSTREAM	DOWNSTREAM	FRICTION	ENTRY LOSS	ACTUAL	ENTRY	hf+hm H	W, INLET		HYDRAULIC		
-ROM 1	ТО	AREA	AREA		.25) (N		=   /IN		(CFS)	DESCRIPTION		SLOPE (%)		(CFS)	(SQ.FT.)	(F/S)	(F/S)	Hw/D	ELEVATION			WATER	FRICTION HEAD (h f)	COEFFICIENT	ENTRY	LOSS (h m)			OUTLET	GRADE	GRADE	Comments
		(ACRES)	(ACRES)			(MIN)	) (				(=)		(114)	(010)	(00.11.)	(1,0)	(170)			1 EOMEINE		ELEVATION		(k)	LOSS (k)		(1)		CONTROL	ELEV.	(MAX)	
A4		0.95				5.0		0.32	9.81										967.13											963.78	965.63	
,	A3		0.95 (	.90 1.0	00 5	5.0 0.82			9.81		263.24	0.50	24	16.04	3.14	5.11	5.35	0.86		962.05	960.73	962.42	0.50	0.40	1.00	0.44	0.94	963.78	963.36			
43	^ 0	0.99		.90 1.0		0.0		0.32	10.22		407.00	0.50			4.04	<b>5</b> 00	0.00	0.00	967.23	000 50	050.00	004.00	0.00	0.40	1.00	0.00	4.00		000.00	962.93	965.73	
A2	A2	0.52		.90 1.0		5.8 0.44		0.32	19.38 5.37		167.88	0.50	30	29.08	4.91	5.92	6.33	0.92	967.98	960.53	959.69	961.93	0.38	0.40	1.00	0.62	1.00	962.83	962.93	961.84	966.48	
	Δ1	0.52		.90 1.0		5.0 5.3 0.32		9.82	24.16		126.23	0.50	30	29.08	4.91	5.92	6.61	1.06	907.90	959.20	958.57	960.95	0.44	0.40	0.40	0.27	0.71	961.84	961.66	901.04	900.40	
/ B4		1.05				5.0			10.84		120.25	0.00		23.00	4.51	5.32	0.01	1.00	967.01	333.20	330.37	300.33	0.44	0.40	0.40	0.21	0.71		301.00	964.07	965.51	
	B3	1.00		.90 1.0		5.0 1.11		0.32	10.84		295.52	0.30	24	12.42	3.14	3.95	4.45	0.91	007.01	961.93	961.04	963.08	0.68	0.40	1.00	0.31	0.99	963.74	964.07	004.07	000.01	
B3	00	0.92				5.0		0.32	9.50		200.02	0.00	21	12.12	0.11		1.10	0.01	967.10	001.00	001.01	000.00	0.00	0.10	1.00	0.01	0.00		001.07	963.40	965.60	
	B2					5.1 0.67		9.88	19.47		205.92	0.30	30	22.53	4.91	4.59	5.15	0.92		960.84	960.22	962.77	0.47	0.40	0.40	0.16	0.63	963.14	963.40			
B2		0.31			00 5	5.0		0.32	3.20										967.54											962.82	966.04	
E	B1		2.28 0	.90 1.0	00 6	6.8 0.14	<b>I</b> 9	9.63	21.96		43.86	0.30	30	22.53	4.91	4.59	5.22	0.99		960.02	959.89	962.53	0.13	0.40	0.40	0.17	0.30	962.49	962.82			
Drain C		1.38	(	.90 1.(	00 5	5.0	10	0.32	14.25										969.13											965.71	967.63	
	C1		1.38 (	.90 1.(	<u>00 5</u>	5.0 1.62	2 10	0.32	14.25		559.57	0.50	24	16.04	3.14	5.11	5.75	1.08		963.55	960.35	962.46	2.24	0.40	1.00	0.51	2.75	965.71	965.21			
Drain D		1.53				5.0			15.79										969.13											966.61	967.63	
F	F2			.90 1.0		5.0 1.65		0.32	15.79		574.89	0.50	24	16.04	3.14	5.11	5.81	1.17		963.88	961.01	963.26	2.83	0.40	1.00	0.52	3.35	966.23	966.61			
E8		0.56				5.0			5.78						·				968.63											965.50	967.13	
	E7	0.50				5.0 0.64		0.32	5.78		177.58	0.50	18	7.45	1.77	4.21	4.65	0.95		964.05	963.16	964.62	0.54	0.40	1.00	0.34	0.88	965.48	965.50		007.40	
E7	F6	0.50		.90 1.0	00 5	5.0 5.0		0.32	5.16		474.00	0.50	24	10.04	2.14	<b></b>	E 4E	0.00	968.93	000.00	000.00	000.07	0.39	0.40	0.40	0.10	0.50	-004 70	004.44	964.76	967.43	
E6	EQ	0.26	1.06 (	.90 1.0 .90 1.0		5.6 0.53 5.0		0.06	2.68		174.00	0.50	24	16.04	3.14	5.11	5.45	0.90	970.30	962.96	962.09	963.87	0.39	0.40	0.40	U. 10	0.58	904.70	904.44	963.92	968.80	
<u>L0</u>	E5	0.20		.90 1.0					13.01		114.82	0.50	24	16.04	3.14	5.11	5.68	1.01	970.30	961.89	961.32	963.34	0.38	0.40	0.40	0.20	0.58	963.91	963.92	903.92	900.00	
E5	LJ	0.19		.90 1.0		5.0		0.32	1.96		114.02	0.50	27	10.04	5.14	0.11	0.00	1.01	970.30	501.05	301.32	505.54	0.50	0.40	0.40	0.20	0.00		505.52	963.43	968.80	
	E4	0.10				6.5 0.37		9.73	14.69		129.01	0.50	24	16.04	3.14	5.11	5.78	1.11		961.12	960.47	962.67	0.55	0.40	0.40	0.21	0.76	963.33	963.43			
E4		0.00		.90 1.0		5.0		0.32	0.00										972.87											963.35	971.37	
	E3			.90 1.0	00 6	6.9 0.35		9.60	27.73	Flow Line E + Roof Drain G	140.00	0.50	30	29.08	4.91	5.92	6.73	1.18		960.27	959.57	962.42	0.64	0.40	0.40	0.28	0.93	963.22	963.35			
E3		0.00		.90 1.0	00 5	5.0 7.2 0.28		0.32	0.00										965.87											962.12	964.37	
E	E2		2.89 (	.90 1.(	00 7	7.2 0.28	3 9	9.47	27.38		113.60	0.50	30	29.08	4.91	5.92	6.72	1.17		959.07	958.50	961.33	0.51	0.40	0.40	0.28	0.79	961.98	962.12			
E2		0.00		.90   1.0	00   5	5.0	10	0.32	0.00										967.54											960.89	966.04	
	E1			.90 1.(		7.5 0.13	3 9	9.38	27.09		52.62	0.50	30	29.08	4.91	5.92	6.72	1.16		958.00	957.74	960.29	0.23	0.40	0.40	0.28	0.51	960.89	960.80			
F6		0.20		.90 1.0		5.0		0.32	2.06										970.31											966.92	968.81	
	F5			.90 1.0		<u>5.0 0.52</u>		0.32	2.06		112.84	0.50	15	4.58	1.23	3.73	3.64	0.76		965.97	965.41	966.28	0.12	0.40	1.00	0.21	0.32	966.92	966.61			
F5	<b>F</b> 4	0.34		.90 1.0		5.0		0.32	3.51			0.50	10	7.45	4 77	1.01	1.10	0.77	969.94	004.04	004.54	005.04	0.00	0.40	1.00	0.00	0.04		005.05	966.07	968.44	
	F4	0.00		.90 1.0 .90 1.0	00 E	5.5 0.30		0.11	3.44		73.08	0.50	18	7.45	1.77	4.21	4.13	0.77	072.04	964.91	964.54	965.61	0.08	0.40	1.00	0.26	0.34	966.07	965.95	000.00	074.44	
F4	<b>E</b> 2	0.00						0.32	18.69	Flow Line F + Roof Drain H	100.20	0.50	20	29.08	4.01	5.02	6.29	0.00	972.94	964.04	963.04	065.22	0.42	0.40	0.40	0.24	0.66	-066.20	065.90	966.29	971.44	
F3	F3	0.00		.90 1.0 .90 1.0		5.8 0.53 5.0		0.00 0.32	10.09	Flow Line F + Roof Drain H	199.30	0.50	30	29.00	4.91	5.92	6.28	0.90	972.29	904.04	903.04	965.23	0.42	0.40	0.40	0.24	0.66	966.29	965.89	964.77	970.79	
	F2	0.00		.90 1.0		6.3 0.62		9.79	18.31		233.09	0.50	30	29.08	4.91	5.92	6.25	0.89	912.29	962.54	961.31	963.48	0.47	0.40	0.40	0.24	0.71	964.77	964.19	304.11	910.19	
F2	12	0.00		.90 1.0		50		0.32	0.00		200.00	0.00		23.00	4.51	5.32	0.25	0.00	971.00	302.34	301.31	303.40	0.47	0.40	0.40	0.24	0.71		304.13	963.66	969.50	
·	F1					7.0 0.08		9.57	32.52	Flow Line F + Roof Drain D	35.31	0.50	36	47.29	7.07	6.69	7.20	0.95		960.81	960.63	963.10	0.08	0.40	0.40	0.32	0.41	963.66	963.50			
Drain G		1.38		.90 1.0	00 5	5.0		0.32	14.25					_					973.13	-	_									969.17	971.63	
	E4			.90 1.0	00 5	5.0 1.06			14.25		367.31	0.50	24	16.04	3.14	5.11	5.75	1.08		966.92	965.08	967.19	1.47	0.40	1.00	0.51	1.98	969.08	969.17			
f Drain H		1.53			00 5	5.0		0.32	15.79										973.13											970.72	971.63	
	F4			.90 1.(		5.0 0.99			15.79		346.69	0.50	24	16.04	3.14	5.11	5.81	1.17		967.96	966.24	968.49	1.71	0.40	1.00	0.52	2.23	970.31	970.72			

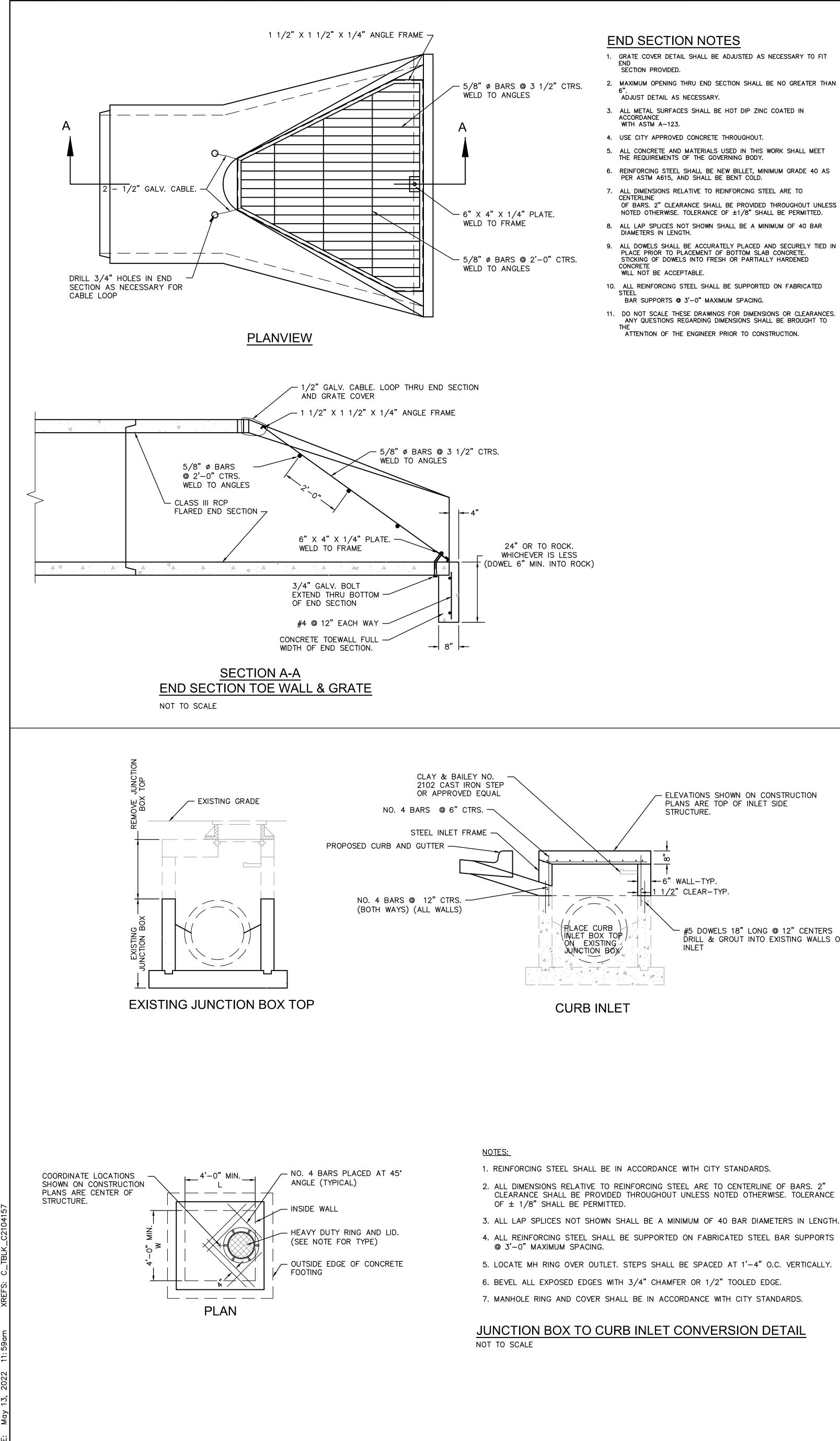
					7301 West 133rd Street, Suite 200	Overland Park, KS 66213-4750 TEL 913 381 1170 www.olsson.com
				P R O P E R T I E S		
ABY ARATINE THE PARTY AND ADDRESS AND ADDR	Ê	PLE			ALLE THE ALLE	
REVISIONS DESCRIPTION						REVISIONS
REV. DATE NO.						2022
	FINAL DEVELOPEMENT PLAN - BUILDING 3		SCANNELL DEVELOPMENT LEE'S SUMMIT LOGISTICS	NORTHWEST CORNER OF TUDOR ROAD AND MAIN STREET		LEE'S SUMMIT, MISSOURI
drawn checke approv QA/QC project drawin date:	ed by: red by: by: no.: g @ <u>o</u> \$T	HI	<u>1 C:</u> ====================================	2104 <sup>-</sup> 03. <b>T</b>	1-04 <i>°</i>	SL LM SR MP I57











### END SECTION NOTES

- 1. GRATE COVER DETAIL SHALL BE ADJUSTED AS NECESSARY TO FIT SECTION PROVIDED.
- 2. MAXIMUM OPENING THRU END SECTION SHALL BE NO GREATER THAN ADJUST DETAIL AS NECESSARY.
- 3. ALL METAL SURFACES SHALL BE HOT DIP ZINC COATED IN
- ACCORDANCE WITH ASTM A-123.
- 4. USE CITY APPROVED CONCRETE THROUGHOUT.
- 5. ALL CONCRETE AND MATERIALS USED IN THIS WORK SHALL MEET THE REQUIREMENTS OF THE GOVERNING BODY.
- 6. REINFORCING STEEL SHALL BE NEW BILLET, MINIMUM GRADE 40 AS PER ASTM A615, AND SHALL BE BENT COLD.
- 7. ALL DIMENSIONS RELATIVE TO REINFORCING STEEL ARE TO CENTERLINE OF BARS. 2" CLEARANCE SHALL BE PROVIDED THROUGHOUT UNLESS NOTED OTHERWISE. TOLERANCE OF  $\pm 1/8$ " SHALL BE PERMITTED.
- 8. ALL LAP SPLICES NOT SHOWN SHALL BE A MINIMUM OF 40 BAR DIAMETERS IN LENGTH.
- 9. 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.
- 10. ALL REINFORCING STEEL SHALL BE SUPPORTED ON FABRICATED BAR SUPPORTS @ 3'-0" MAXIMUM SPACING.
- 11. DO NOT SCALE THESE DRAWINGS FOR DIMENSIONS OR CLEARANCES. ANY QUESTIONS REGARDING DIMENSIONS SHALL BE BROUGHT TO ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION.

- ELEVATIONS SHOWN ON CONSTRUCTION PLANS ARE TOP OF INLET SIDE STRUCTURE. -6" WALL-TYP. <u>1 1/2</u>" CLEAR-TYP FLACE CURB INLET BOX TOP ON EXISTING JUNCTION BOX  $\sim$ 

**CURB INLET** 

#5 DOWELS 18" LONG @ 12" CENTERS DRILL & GROUT INTO EXISTING WALLS OF

NOTE: STEEL INLET FRAME (6" THROAT) -LIP OF CURB -3-#4 BARS SHALL BE PLACED SAME -AS CURB AND GUTTER REINFORCING 1" GALVANIZED HARDWARE CLOTH AND FILTER FABRIC (TERRATEX SD OR APPROVED EQUAL) SHALL BE PLACED IN FRONT OF 4" DRAIN PIPE PRIOR TO PLACING ROCK 15" IN ALL DIRECTIONS. 2-4" DRAIN PIPES (LOCATE TOP OF

8" MIN. LOW PERMEABLE SOIL -

REINFORCED SOIL APPROXIMATE LIMITS OF EXCAVATION RETAINED SOIL 4" PERFORATED PVC DRAINAGE TILE

DIM PER ENGINEERED PLANS BY CONTRACTOR

**|-−−**1'−6" **-−−**| DRAIN PIPE BELOW ASPHALT BASE) #4 BARS @ 12" CENTERS — (BOTH WAYS) (ALL WAYS) CONCRETE FOOTING

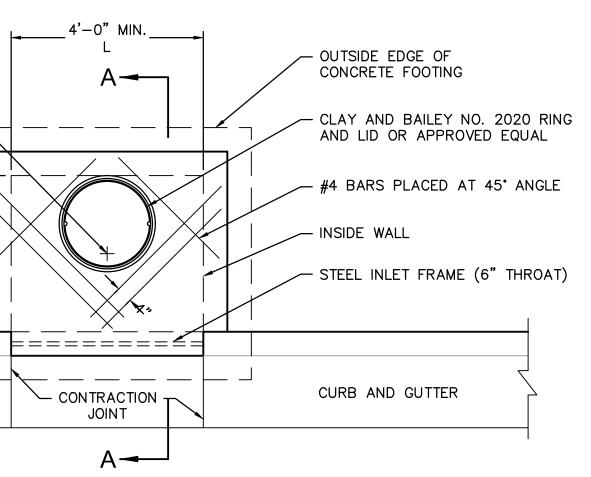
TRANSITION CURB AND GUTTER TO MATCH PROPOSED CURB INLET IN 3' (TYPICAL BOTH SIDES)

ELEVATION AND

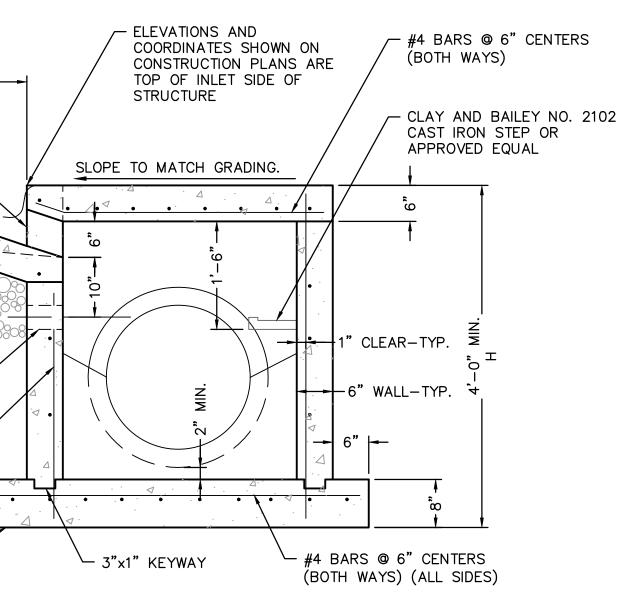
COORDINATES SHOWN ON

CENTER OF STRUCTURE

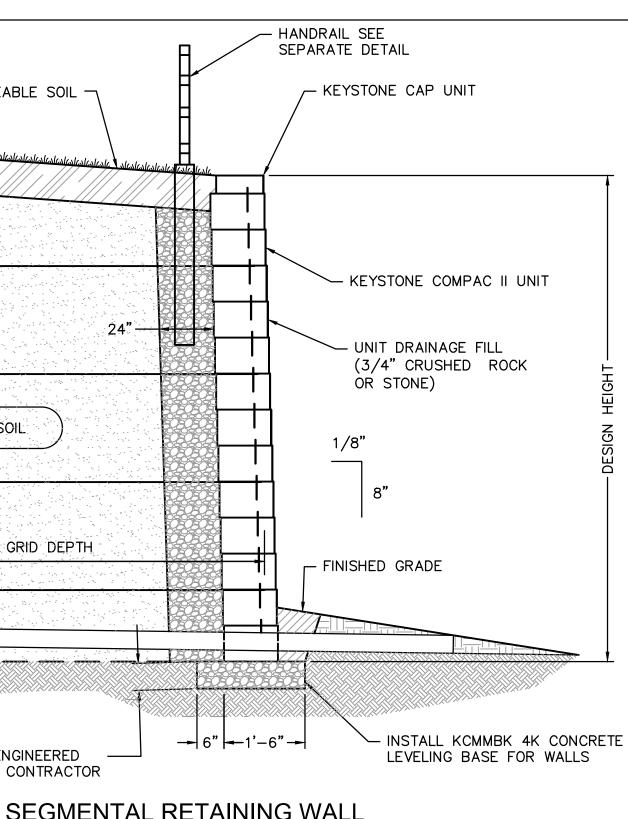
CONSTRUCTION PLANS ARE







**SECTION A-A** NON-SETBACK CURB INLET NOT TO SCALE



SEGMENTAL RETAINING WALL NOT TO SCALE

### NON-SETBACK CURB INLET NOTES

- 1. USE CITY APPROVED CONCRETE THROUGHOUT.

- 4. EXPANSION JOINTS SHALL BE EITHER HOT OR COLD POURED JOINT
- SPACED AT 1'-4" O.C. VERTICALLY.
- 7. BEVEL ALL EXPOSED EDGES WITH TRIANGULAR MOLDING.
- INLETS SHALL BE LEVEL.
- DRAWINGS SHALL BE APPROVED BY THE DESIGN ENGINEER.
- ASTM A615, AND SHALL BE BENT COLD.
- OTHERWISE. TOLERANCE OF  $\pm 1/8$ " SHALL BE PERMITTED.
- 12. ALL LAP SPLICES NOT SHOWN SHALL BE A MINIMUM OF 40 BAR DIAMETERS IN LENGTH.
- ACCEPTABLE.
- BAR SUPPORTS @ 3'-0" MAXIMUM SPACING.
- QUESTIONS REGARDING DIMENSIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONSTRUCTION.
- CURING COMPOUND.
- CURB CONSTRUCTION, OR AS DIRECTED BY THE CITY ENGINEER.
- STANDARDS.
- OF THE MATERIAL SPECIFIED PER CITY STANDARDS.
- THE CITY ENGINEER.

# **RETAINING WALL NOTES**

THE CONTRACTOR.

ENGINEER REGISTERED IN THE STATE OF MISSOURI.

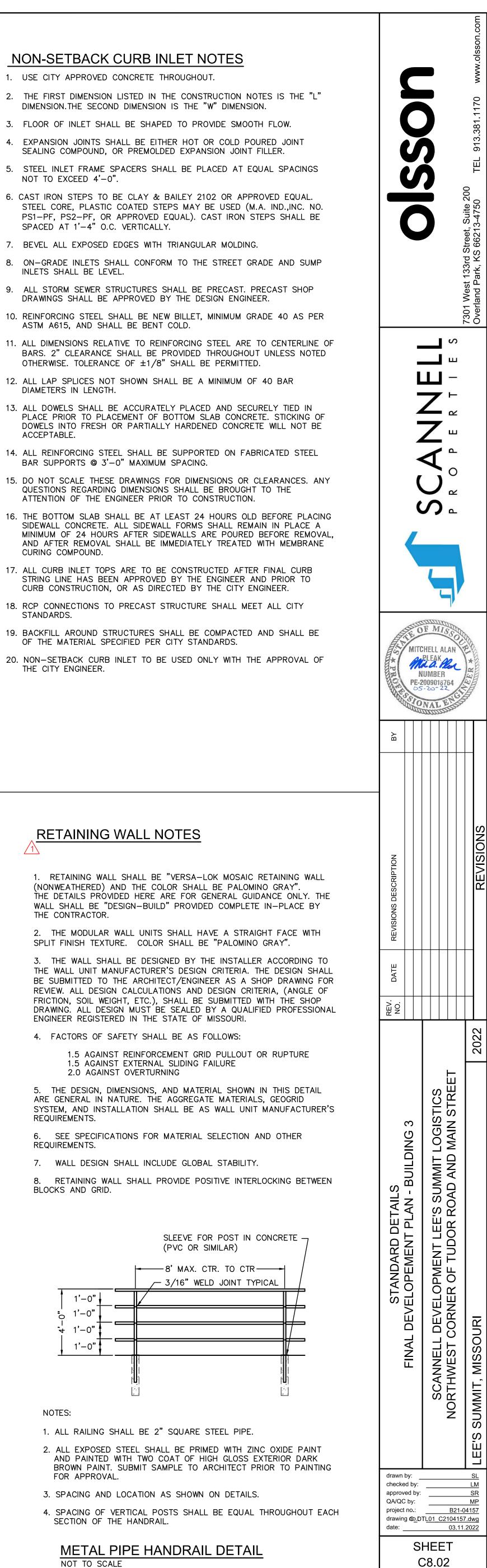
- 4. FACTORS OF SAFETY SHALL BE AS FOLLOWS:
  - 1.5 AGAINST EXTERNAL SLIDING FAILURE

REQUIREMENTS.

REQUIREMENTS.

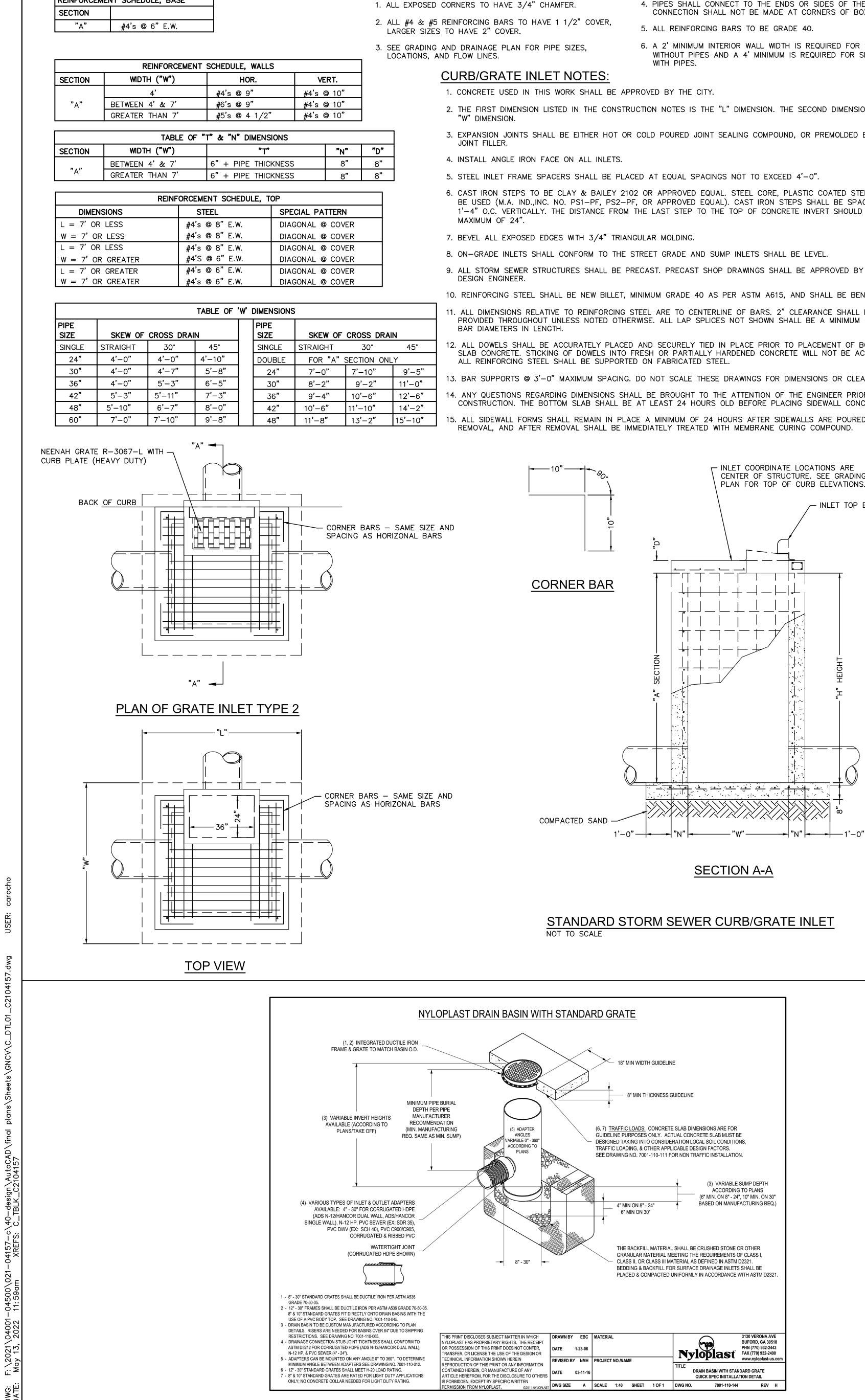
7. WALL DESIGN SHALL INCLUDE GLOBAL STABILITY.

BLOCKS AND GRID.



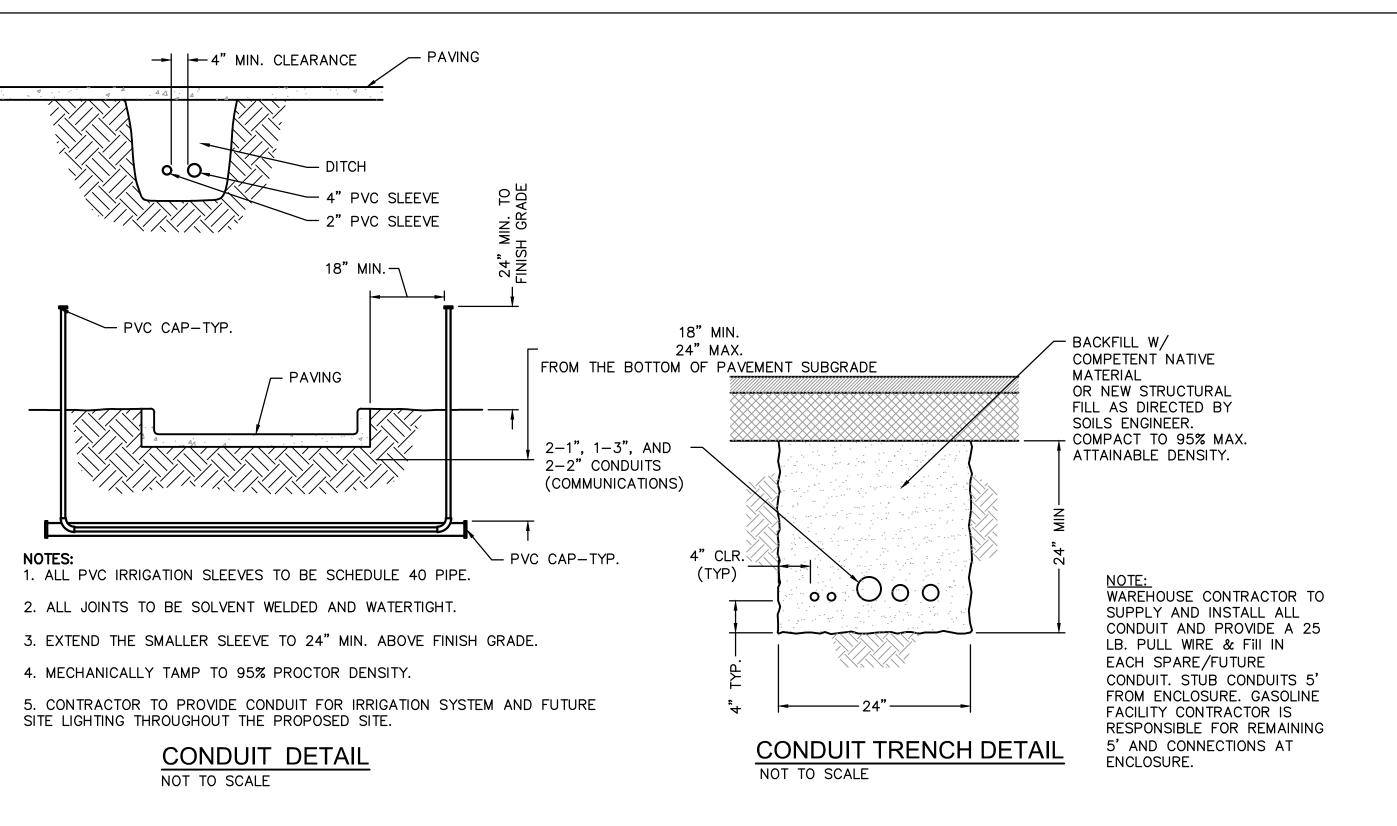
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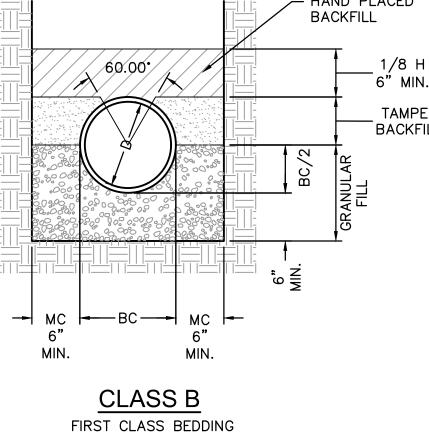
- 1. ALL RAILING SHALL BE 2" SQUARE STEEL PIPE.
- FOR APPROVAL.

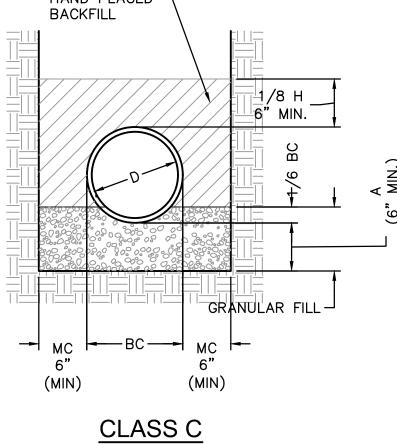


REINFORCEMENT SCHEDULE, BASE

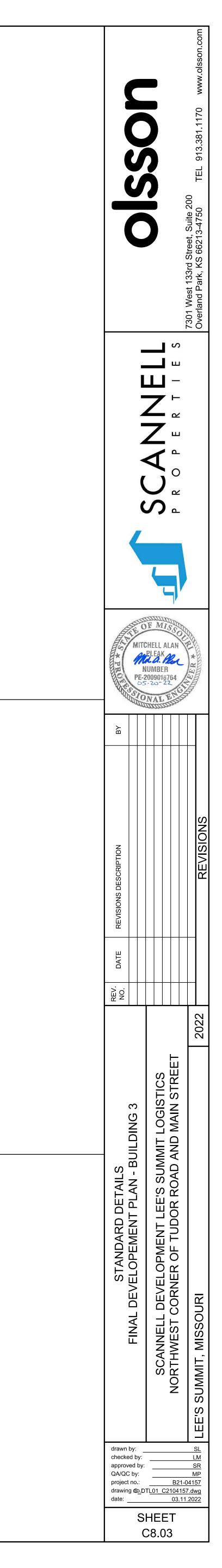
GENERAL NO						
" CHAMFER. HAVE 1 1/2" COVER,	4. PIPES SHALL CONNECT TO THE ENDS OR SIDES OF THE INLET. CONNECTION SHALL NOT BE MADE AT CORNERS OF BOX.					
	5. ALL REINFORCING BARS TO BE GRADE 40.					
OR PIPE SIZES,	6. A 2' MINIMUM INTERIOR WALL WIDTH IS REQUIRED FOR SIDES WITHOUT PIPES AND A 4' MINIMUM IS REQUIRED FOR SIDES				$\frac{\text{LEGEND}}{\text{BC} = \text{OUTSIDE DIAMETER OF PIPE}}$	
NLET NOTES:	WITH PIPES.	TABLE OF FIL	LL DEPTHS B	ELOW PIPE	H = BACKFILL COVER ABOVE TOP OF PIPE	
	APPROVED BY THE CITY.				D = NOMINAL PIPE DIAMETER	
ON LISTED IN THE CONS	TRUCTION NOTES IS THE "L" DIMENSION. THE SECOND DIMENSION IS THE	D A	"A" MIN.	"A" MIN. IN		
SHALL BE EITHER HOT	OR COLD POURED JOINT SEALING COMPOUND, OR PREMOLDED EXPANSION			ROCK	MC = MINIMUM SIDEWALL CLEARANCE (SEE TABLE	E)
		27" & SMALLER	6"	6"		HAND PLACED BACKFILL
N FACE ON ALL INLETS.	ACED AT EQUAL SPACINGS NOT TO EXCEED 4'-0".	30"TO 66"	6"	9"	HAND PLACED	
	2102 OR APPROVED EQUAL. STEEL CORE, PLASTIC COATED STEPS MAY	66" & LARGER	6"	12"	60.00 1/8 н	
,INC. NO. PS1-PF, PS2-	-PF, OR APPROVED EQUAL). CAST IRON STEPS SHALL BE SPACED AT M THE LAST STEP TO THE TOP OF CONCRETE INVERT SHOULD BE A				6" MIN. TAMPED	
D EDGES WITH 3/4" TRI	ANGULAR MOLDING.	TABLE C	OF TRENCH V	VIDTHS		
SHALL CONFORM TO TH	E STREET GRADE AND SUMP INLETS SHALL BE LEVEL.					
STRUCTURES SHALL BE	PRECAST. PRECAST SHOP DRAWINGS SHALL BE APPROVED BY THE	PIPE SIZE (INCHES)	MINIMUM TRENCH WIDTH (INCHES)	MINIMUM SIDE WALL CLEARANCE (INCHES)		
L SHALL BE NEW BILLET	, MINIMUM GRADE 40 AS PER ASTM A615, AND SHALL BE BENT COLD.			· · ·		
IOUT UNLESS NOTED OT	G STEEL ARE TO CENTERLINE OF BARS. 2" CLEARANCE SHALL BE HERWISE. ALL LAP SPLICES NOT SHOWN SHALL BE A MINIMUM OF 40	18	35	6	→ MC → BC → MC →	
LENGTH.	ED AND SECURELY TIED IN PLACE PRIOR TO PLACEMENT OF BOTTOM	21	39	6 1/2	6" 6" MIN. MIN.	6" 6" (MIN) (MIN)
TICKING OF DOWELS INT	D FRESH OR PARTIALLY HARDENED CONCRETE WILL NOT BE ACCEPTABLE.	24	44	7		
3'-0" MAXIMUM SPACIN	IG. DO NOT SCALE THESE DRAWINGS FOR DIMENSIONS OR CLEARANCES.	27	49	8	CLASS B FIRST CLASS BEDDING	CLASS C ORDINARY BEDDING
	HALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BE AT LEAST 24 HOURS OLD BEFORE PLACING SIDEWALL CONCRETE.	30	54	8 1/2	BEDDING NOTES	
MS SHALL REMAIN IN P	LACE A MINIMUM OF 24 HOURS AFTER SIDEWALLS ARE POURED BEFORE	33	58	9	1. GRANULAR FILL TO BE CRUSHED STONE OR PEA	
ER REMOVAL SHALL BE	IMMEDIATELY TREATED WITH MEMBRANE CURING COMPOUND.	36	64	10	PASSING 1/2" SIEVE AND NOT LESS THAN 95% T PLACED IN NOT MORE THEN 6" LAYERS AND COM	
		42	73	11	2. TAMPED BACKFILL SHALL BE FINELY DIVIDED JOB DEBRIS, ORGANIC MATERIAL AND STONES, COMPA	
	CENTER OF STRUCTURE. SEE GRADING	48	83	12 1/2	DETERMINED BY AASHTO STANDARD METHOD T-9 SUBSTITUTED FOR ALL OR PART OF TAMPED BAC	99. GRANULAR FILL MAY BE
	PLAN FOR TOP OF CURB ELEVATIONS.	54	92	13 1/2	3. HAND PLACED BACKFILL SHALL BE FINELY DIVIDE STONES.	ED MATERIAL FREE FROM DEBRIS AND
	- INLET TOP ELEVATION	60	102	15	STURES.	
		66	109	15		
CORNER BAR					STORM SEWER TRENCH DETAIL	
CORNER DAR					NOT TO SCALE	-
				CLEARANCE F	PAVING	
				<		
			do la		Ш	
				4" PVC SLEEV		
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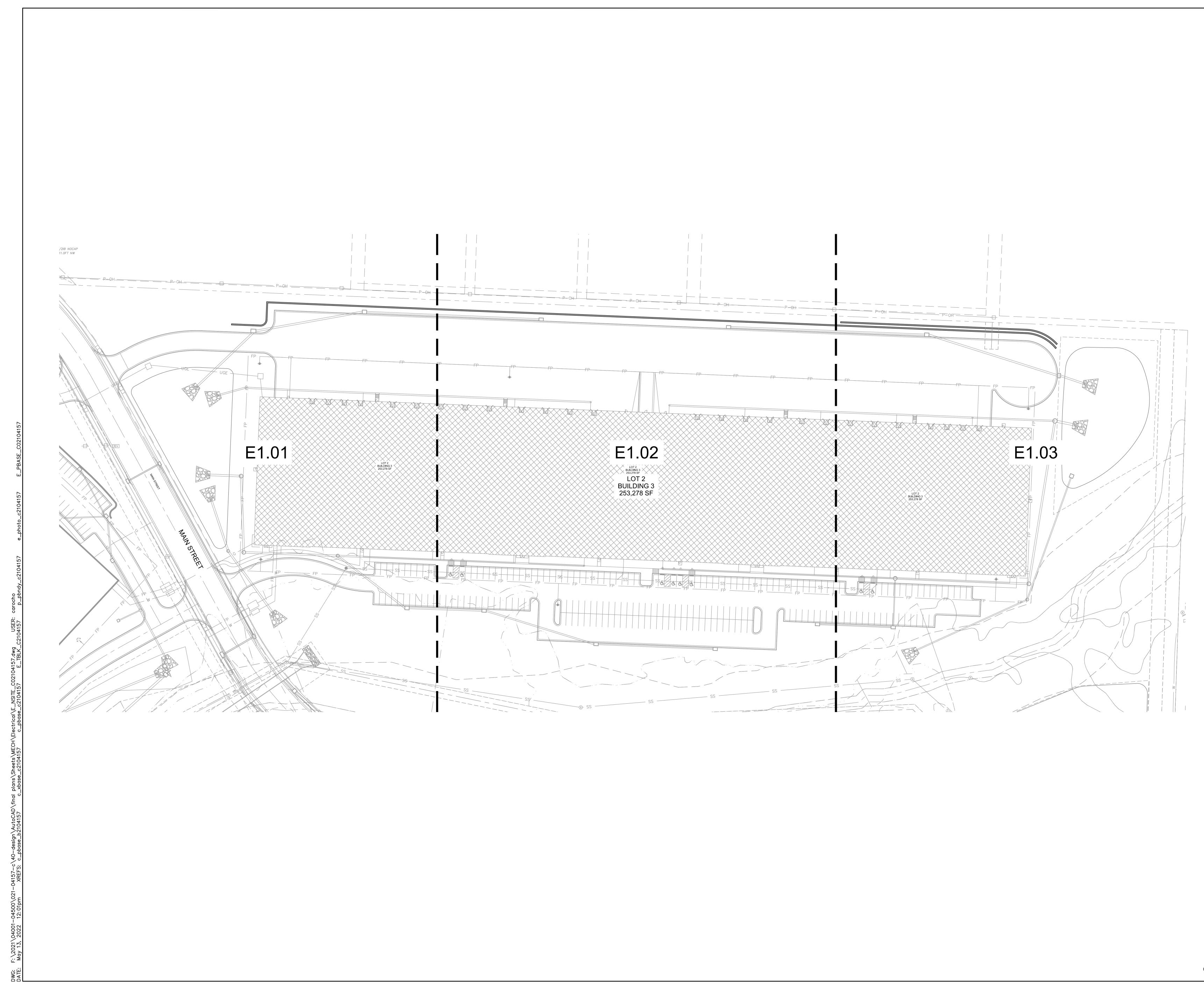


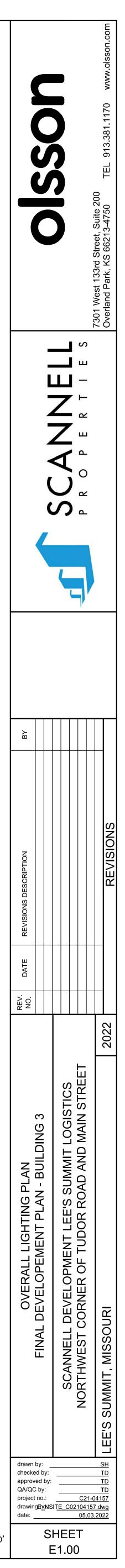


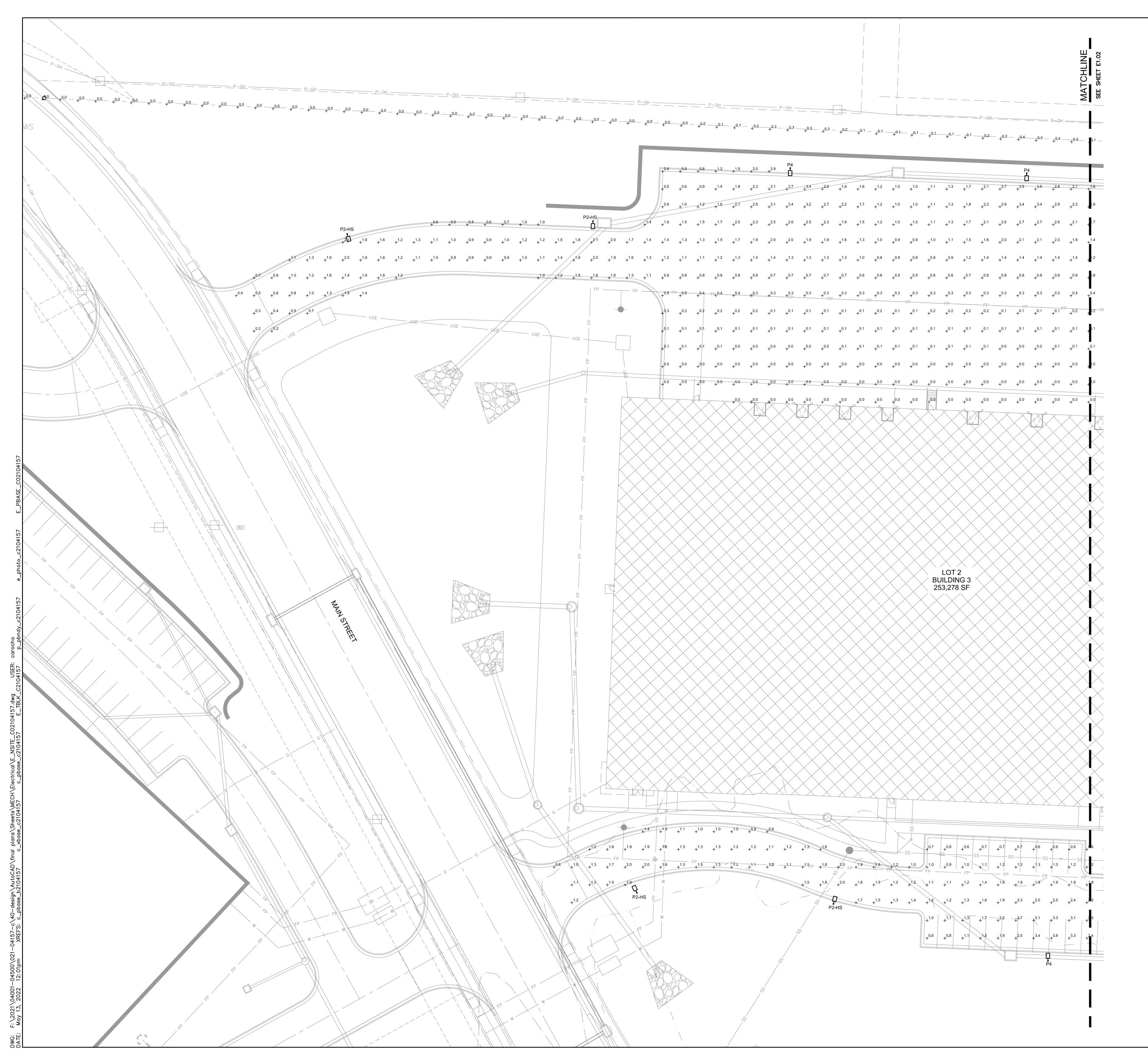


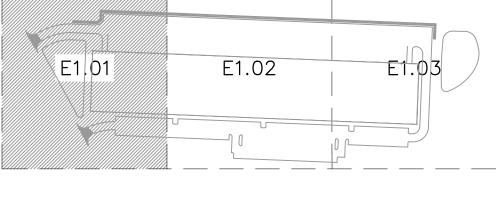
- TO BE VEL
- AND



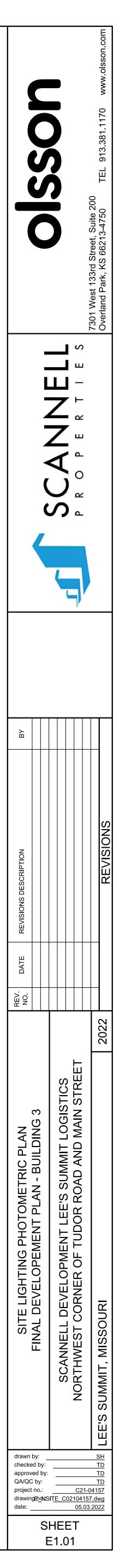


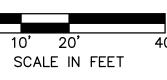


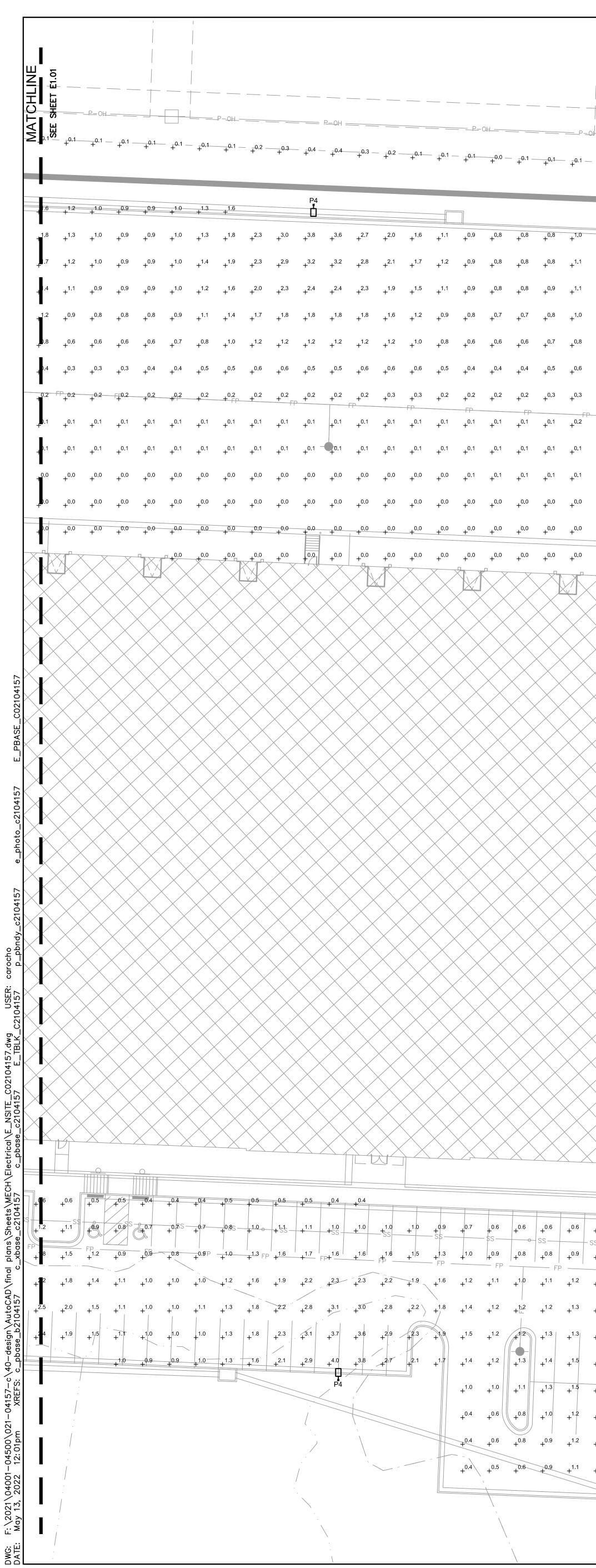




KEY MAP





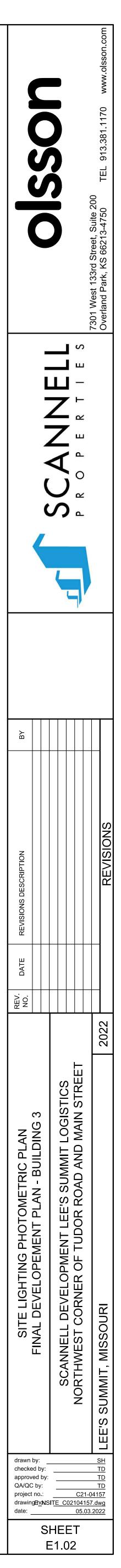


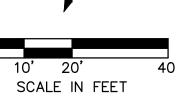
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+ <sup>1.4</sup>	+ <sup>2.2</sup> + <sup>1.6</sup> + <sup>0.9</sup> + <sup>0.4</sup>		P 
+1.9	+ <sup>0.1</sup>	P4 	OH +0.4
$+^{1.2}$ $+^{1.4}$ $+^{1.8}$ $+^{1.9}$ $+^{1.9}$ $+^{1.9}$ $+^{1.7}$ $+^{1.7}$	$+^{2.2}$ $+^{1.6}$ $+^{0.9}$ $+^{0.4}$		0.4
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+0.7 SS $+1.0^{-1}$ +1.2 +1.2 +1.2 +1.3 +1.3 +1.3 +1.2 +1.2 +1.3 +1.2 +1.2 +1.1	$+^{1.6}$ $+^{1.3}$ $+^{0.9}$ $+^{0.4}$ $+^{0.1}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$		P P
$+^{0.8}$ + <sup>1.0</sup> + <sup>1.1</sup> + <sup>1.1</sup> + <sup>1.2</sup> + <sup>1.1</sup> + <sup>1.1</sup> + <sup>1.1</sup> + <sup>1.1</sup>	$+^{1.2}$ $+^{1.0}$ $+^{0.8}$ $+^{0.4}$		он <del>0.1</del>
+0.7 FP +0.9 +1.0 +1.0 +1.0 +1.0 +1.0 +1.0 +0.9 +0.9	$+^{0.9}$ $+^{0.8}$ $+^{0.6}$ $+^{0.4}$ $+^{0.1}$ $+^{0.1}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$ $+^{0.0}$	+ <sup>1.0</sup> + <sup>1.0</sup>	<del>0</del> .1 -
+0.5 +0.7 +0.8 +0.9 +0.9 +0.9 +0.9 +0.9 +0.9 +0.9 +0.9	$+^{0.8}$ $+^{0.7}$ $+^{0.5}$ $+^{0.3}$ $+^{0.2}$ $+^{0.1}$ $+^{0.1}$		
+0.7 +0.8 +0.9 +1.0 +1.0 +1.0 +1.0 +0.9 +0.9	$+^{0.8}$ $+^{0.7}$ $+^{0.5}$ $+^{0.3}$ $+^{0.2}$ $+^{0.1}$	+0.8	P_ 0.1 - +
$\begin{array}{c} + 0.5 \\ + 0.7 \\ + 0.9 \\ + 1.0 \\ + 1.1 \\ + 1.2 \\ + 1.1 \\ + 1.1 \\ + 1.1 \\ + 1.0 \end{array}$	$+^{0.8}$ $+^{0.7}$ $+^{0.6}$ $+^{0.4}$ $+^{0.2}$ $+^{0.1}$	+0.8	=OH <del>0</del> :1 -
+ <sup>0.9</sup> + <sup>1.1</sup> + <sup>1.2</sup> + <sup>1.2</sup> + <sup>1.4</sup> + <sup>1.3</sup> + <sup>1.2</sup> + <sup>1.2</sup>	$+^{0.9}$ $+^{0.8}$ $+^{0.6}$ $+^{0.4}$ $+^{0.2}$ $+^{0.1}$ $+^{0.1}$ $+^{0.0}$ $+^{0.0}$	+0.9	0.1 +
0.6 + 1.0 + 1.2 + 1.4 + 1.4 + 1.4 + 1.6 + 1.4 + 1.6 + 1.4 + 1.4	$+^{1.1}$ $+^{1.0}$ $+^{0.8}$ $+^{0.5}$ $+^{0.2}$	+ <sup>1.2</sup>	<del>_0.1</del>
+0.6 +1.1 +1.4 +1.6 +1.8 +2.0 +1.9 +1.9 +1.5	$+^{1.5}$ $+^{1.3}$ $+^{1.0}$ $+^{0.6}$ $+^{0.3}$ $+^{0.1}$ $+^{0.1}$ $+^{0.0}$	+ <sup>1.6</sup>	0.1
+0.6 +1.0 +1.4 +1.8 +2.0 +2.7 +2.5 +1.9 +1.6	$+^{1.9}$ $+^{1.6}$ $+^{1.2}$ $+^{0.6}$ $+^{0.3}$	+ <sup>2.0</sup>	
$+^{1.3}$ + $^{1.7}$ + $^{2.0}$ + $^{3.5}$ + $^{3.5}$ + $^{3}$ + $^{2.0}$ + $^{1.7}$		+ <sup>2.7</sup>	- <u>-</u> 0.3 -
+ <sup>1.7</sup>	$+^{2.5}$ $+^{1.9}$ $+^{1.3}$ $+^{0.6}$ $+^{0.2}$		 
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$+^{1.3}$ +1.4 +1.5 +1.6 +1.4 +1.3 +1.2	$+^{2.0}$ $+^{1.7}$ $+^{1.2}$ $+^{0.6}$ $+^{0.3}$	+2.2	
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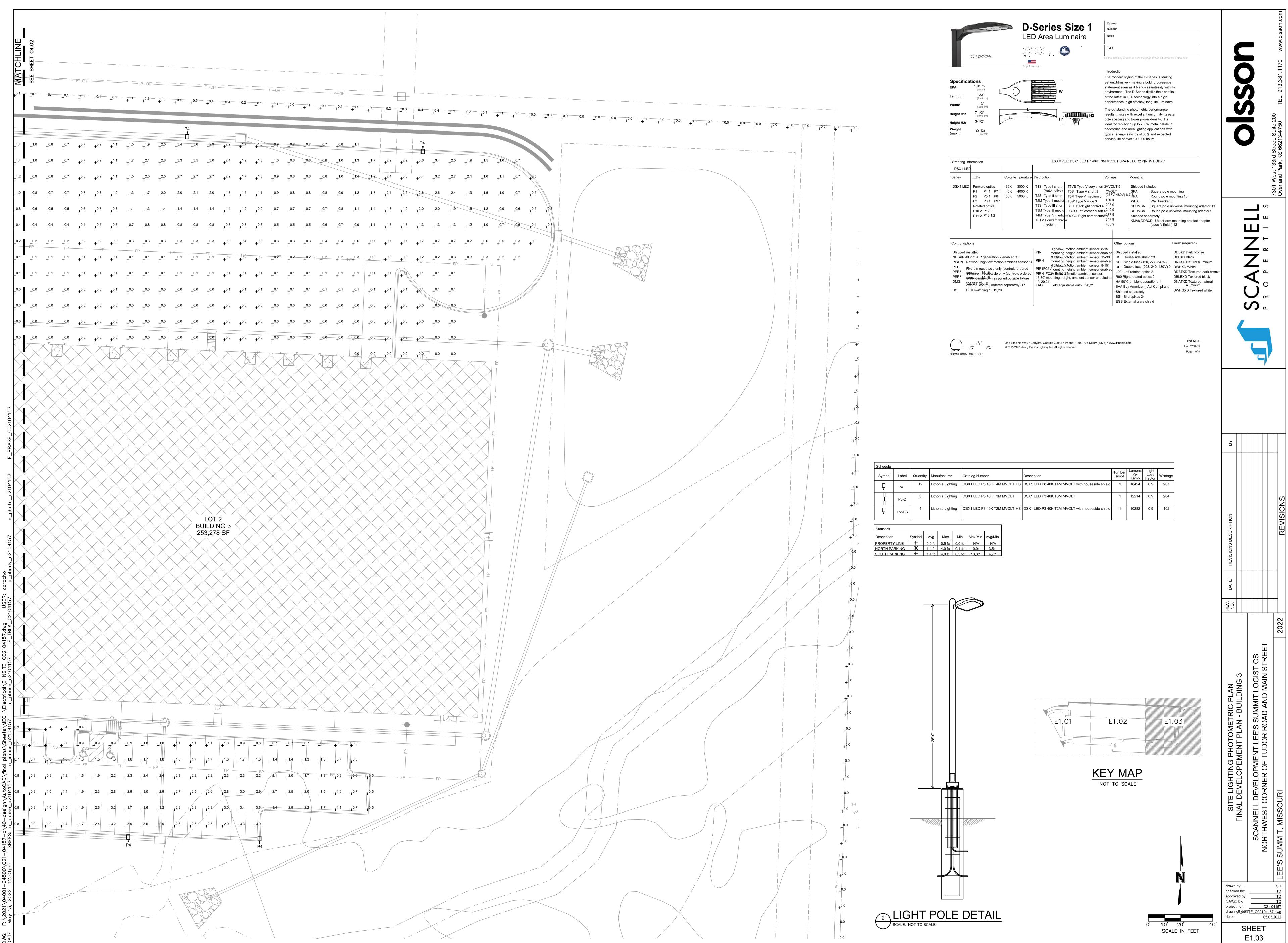
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)	+ <sup>0.7</sup>	+ <sup>0.7</sup>	+ <sup>0.7</sup> +	+ <sup>0.8</sup> + <sup>0.8</sup>	+ <sup>1.0</sup> +	+ <sup>1.6</sup>	+ <sup>110</sup> + <sup>2.0</sup>	+ <sup>2.6</sup>	+ <sup>3.5</sup>	+ <sup>3.8</sup>	+ <sup>3.2</sup>	+ <sup>2.4</sup>	+ <sup>1.8</sup>	+ <sup>1.4</sup>	+ <sup>1.0</sup>
)	+ <sup>0.7</sup>	+ <sup>0.7</sup>	+ <sup>0.7</sup>	+ <sup>0.8</sup>	+ <sup>1.1</sup>	+ <sup>1.6</sup>	+ <sup>2.1</sup>	+ <sup>2.6</sup>	+ <sup>3.0</sup>	+ <sup>3.1</sup>	+ <sup>2.9</sup>	+ <sup>2.3</sup>	+ <sup>1.9</sup>	+ <sup>1.4</sup>	+ <sup>1.0</sup>
3	+ <sup>0.7</sup>	+ <sup>0.7</sup>	+ <sup>0.7</sup>	+ <sup>0.8</sup>	+ <sup>1.0</sup>	+ <sup>1.4</sup>	+ <sup>1.8</sup>	+ <sup>2.1</sup>	+ <sup>2.3</sup>	+ <sup>2.3</sup>	+ <sup>2.2</sup>	+ <sup>2.0</sup>	+ <sup>1.6</sup>	+ <sup>1.2</sup>	I
,	+ <sup>0.6</sup>	+ <sup>0.6</sup>	+ <sup>0.6</sup>	+ <sup>0.7</sup>	+ <sup>0.8</sup>	+ <sup>1.1</sup>	+ <sup>1.4</sup>	+ <sup>1.6</sup>	+ <sup>1.7</sup>	+ <sup>1.6</sup>	+ <sup>1.7</sup>		+ <sup>1.3</sup>		+ <sup>0.8</sup>
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	+ <sup>0.1</sup>	+ -FP + <sup>0.1</sup>	+ <sup>0.1</sup>	+ + 0.2	+0.2	+0.2	+0.2	+ 	+0.2		+ - + <sup>0.2</sup>		+ +0.2	+ <sup>0.2</sup>	+ <sup>0.2</sup>
	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	
	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>	+ <sup>0.1</sup>
)	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup>		+ <sup>0.0</sup>
	+0.0	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+0.0	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup> + <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup>	+ <sup>0.0</sup> + <sup>0.0</sup>	+ <sup>0.0</sup>
		+0.0	+ <sup>0.0</sup>	+0.0	+0.0	+ <sup>0.0</sup>	Į.	+ <sup>0.0</sup>	+0.0	+0.0	+0.0+	+0.0	+0.0	+ <sup>0.0</sup>	
	$\begin{array}{c} + 0.6 \\ - SS \\ + 0.8 \\ + 1.0 \\ + 1.2 \\ + 1.3 \\ + 1.3 \\ + 1.2 \\ + 1.2 \\ + 1.2 \\ + 1.2 \\ + 1.2 \\ + 1.2 \\ + 0.9 \end{array}$	$+^{0.7}$ $+^{0.9}$ $+^{1.2}$ $+^{1.3}$ $+^{1.4}$ $+^{1.5}$ $+^{1.3}$ $+^{1.2}$ $+^{1.3}$ $+^{1.2}$	+0.7 +1.1 +1.1 +1.4 +1.4 +1.6 +1.5 +1.5 +1.5 +1.4 +1.4 +1.4 +1.4 +1.4 +1.4 +1.5 +1.5 +1.4 +1.4 +1.5 +1.5 +1.4 +1.4 +1.5 +1.5 +1.4 +1.5 +1.4 +1.5 +1.4 +1.5 +1.4 +1.5 +1.4 +1.5 +1.4 +1.5 +1.4 +1.5 +1.4 +1.5 +1.4 +1.5 +1.4 +1.5 +1.4 +1.5 +1.4 +1.5 +1.4 +1.5 +1.4 +1.5 +1.4 +1.5 +1.4 +1.5 +1.5 +1.4 +1.4 +1.5 +1.5 +1.4 +1.5 +1.5 +1.4 +1.4 +1.5	$+^{0.7}$ $+^{1.2}$ $+^{1.4}$ $+^{1.8}$ $+^{1.9}$ $+^{2.0}$ $+^{1.9}$ $+^{1.8}$ $+^{1.5}$ $+^{1.3}$	+0.7 -SS +12 +12 +1.9 +2.2 +2.7 +2.7 +2.3 +1.9 +1.5 +1.5 +1.3	+0.6 +1.1 +1.4 +1.9 +2.5 +3 +3 +2.7 +2.7	+ <sup>1.4</sup> <sup>FP</sup> + <sup>1.8</sup> + <sup>2.3</sup>		<sup>3</sup> S 1.0 + + + + + FF		+ <sup>1.0</sup> + + <sup>1.1</sup> + <sup>1.1</sup>			+0.5 +0.7	

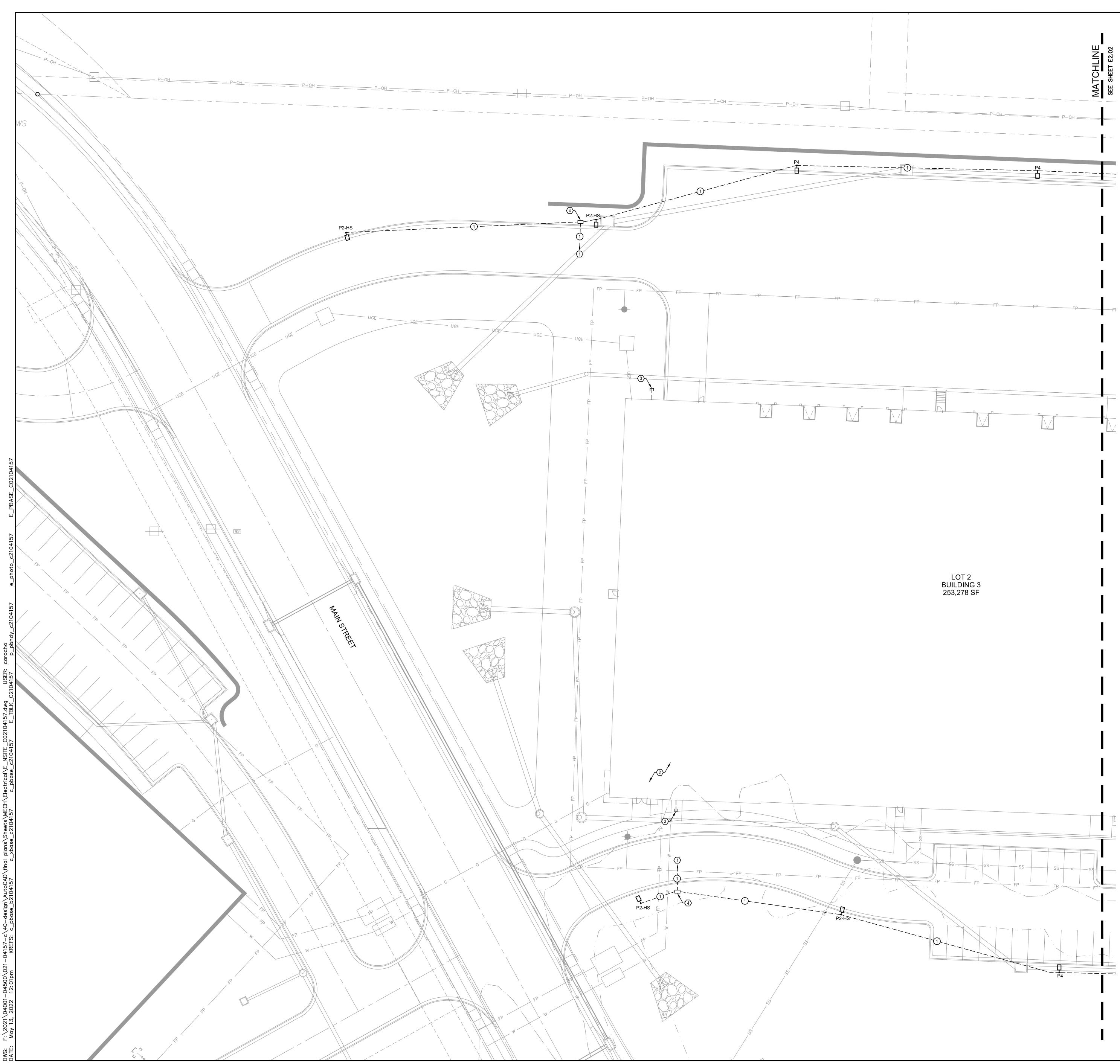


KEY MAP









## GENERAL NOTES

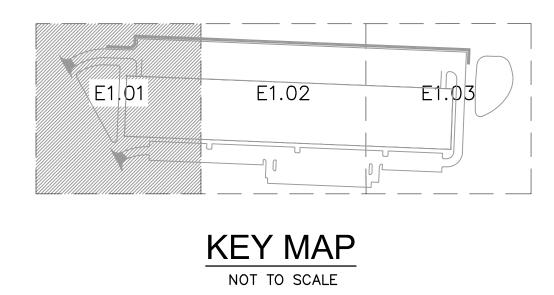
- A. TO FEDERAL, STATE, AND LOCAL STATUTES, NOTIFY MISSOURI ONE-CALL SYSTEM, INC. AT LEAST 48 HOURS PRIOR TO ANY DIGGING, TRENCHING, EXCAVATION, ETC.
- B. INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING DETERMINATION OF TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.
- C. FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING WORK. ANY INTERFERENCE SHALL BE BROUGHT TO ATTENTION OF THE ARCHITECT AND ENGINEER FOR DIRECTION.
- D. PROVIDE EQUIPMENT GROUNDING CONDUCTOR THROUGHOUT EACH BRANCH CIRCUIT. CONDUCTOR MAY NOT BE INDICATED GRAPHICALLY.
- E. REFER TO LIGHT FIXTURE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

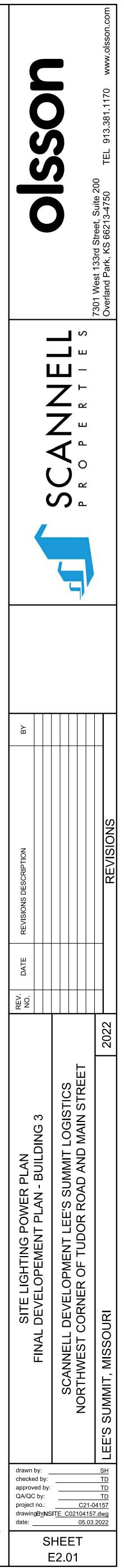
### ○ SHEET KEYNOTES

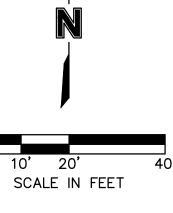
- 1. ROUTE NEW LIGHTING CIRCUIT BELOW GRADE TO EXISTING PANELBOARD IN BUILDING. PROVIDE NEW 20A/1P BREAKER MATCHING THE MANUFACTURER AND AIC RATING AS EXISTING BREAKERS. FIELD VERIFY LOCATION OF PANELBOARD AND MOST DIRECT ROUTING OF CIRCUIT.
- 2. APPROXIMATE LOCATION OF PANELBOARD FOR NEW LIGHTING CIRCUITS. REFER TO BUILDING INTERIOR PLANS FOR EXACT LOCATION AND CONTROL SCHEME. EXTERIOR LIGHTING CIRCUITS TO BE CONTROLLED BY TIME CLOCK/PHOTOCELL.
- 3. REFER TO BUILDING INTERIOR PLANS FOR ROUTING LIGHTING CIRCUITS IN BUILDING.
- 4. IN GRADE JUNCTION BOX. REFER TO JUNCTION BOX DETAILS FOR ADDITIONAL INFORMATION. DETERMINE EXACT LOCATION AND QUANTITY FOR ROUTING NEW LIGHTING CIRCUITS.

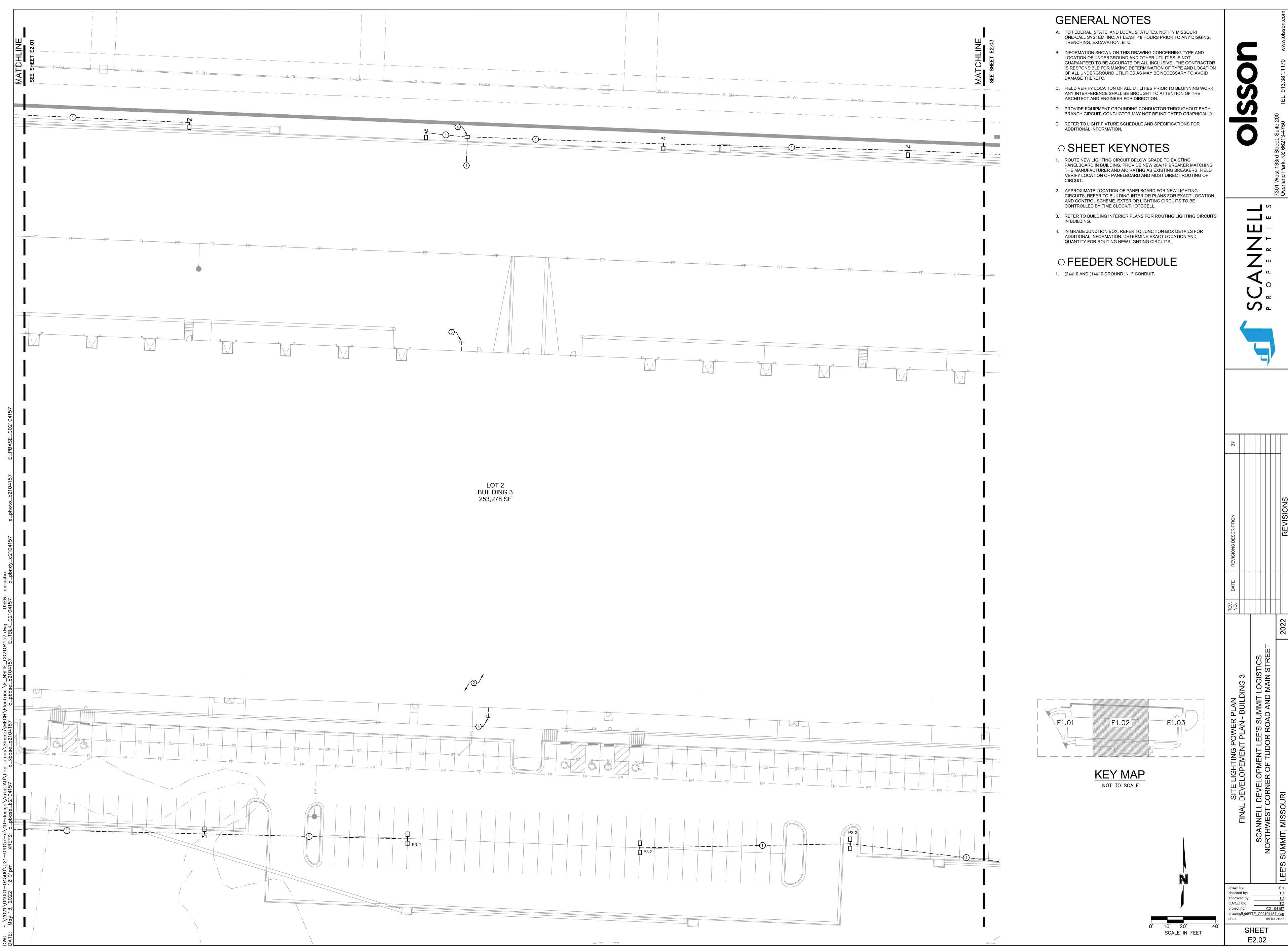
# ○ FEEDER SCHEDULE

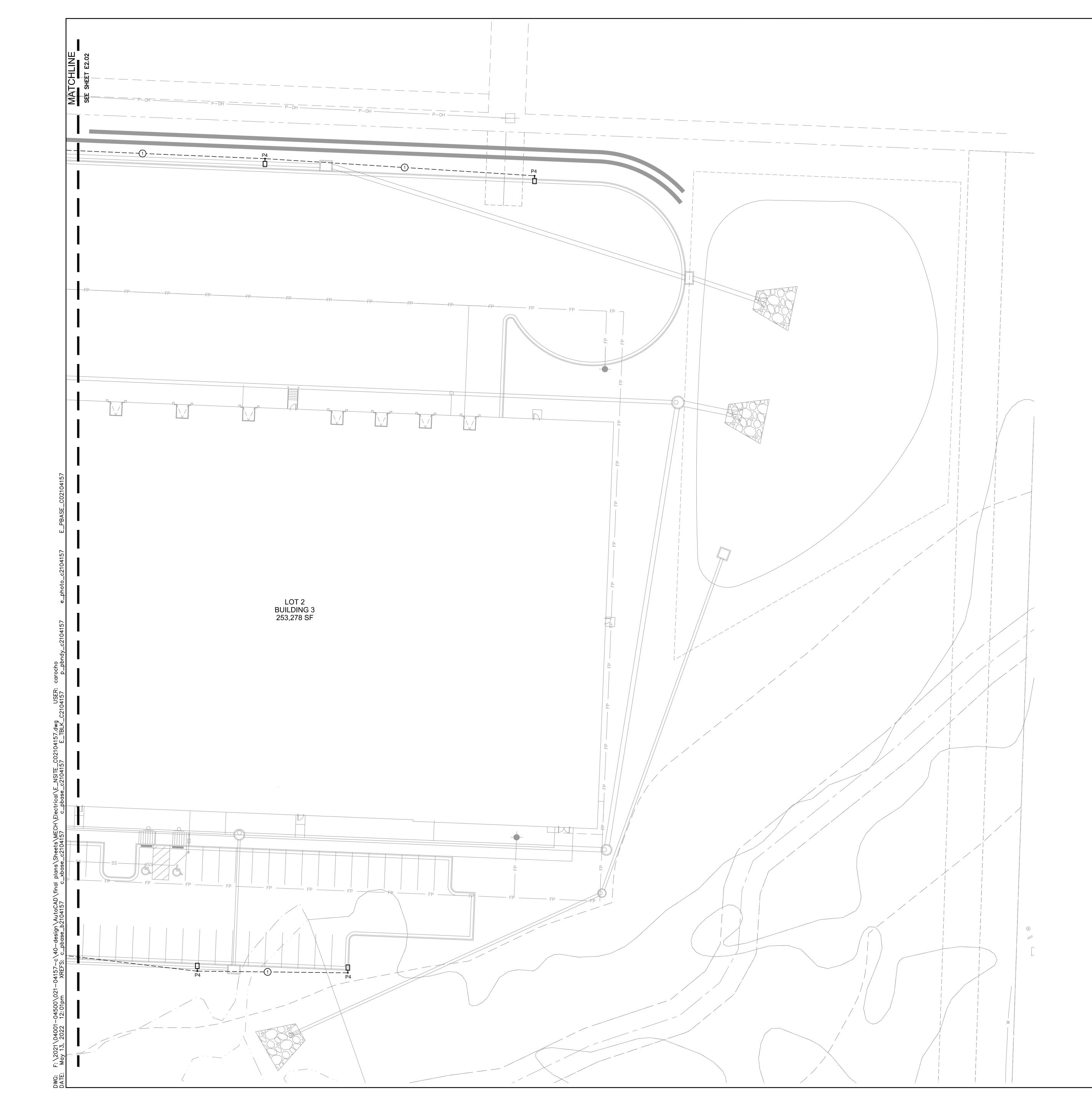
1. (2)-#10 AND (1)-#10 GROUND IN 1" CONDUIT.











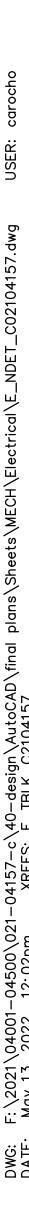
# GENERAL NOTES A. TO FEDERAL, STATE, AND LOCAL STATUTES, NOTIFY MISSOURI ONE-CALL SYSTEM, INC. AT LEAST 48 HOURS PRIOR TO ANY DIGGING, TRENCHING, EXCAVATION, ETC. B. INFORMATION SHOWN ON THIS DRAWING CONCERNING TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING DETERMINATION OF TYPE AND LOCATION OF ALL UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. C. FIELD VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING WORK. ANY INTERFERENCE SHALL BE BROUGHT TO ATTENTION OF THE ARCHITECT AND ENGINEER FOR DIRECTION. U D. PROVIDE EQUIPMENT GROUNDING CONDUCTOR THROUGHOUT EACH BRANCH CIRCUIT. CONDUCTOR MAY NOT BE INDICATED GRAPHICALLY. E. REFER TO LIGHT FIXTURE SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. ○ SHEET KEYNOTES 1. ROUTE NEW LIGHTING CIRCUIT BELOW GRADE TO EXISTING PANELBOARD IN BUILDING. PROVIDE NEW 20A/1P BREAKER MATCHING THE MANUFACTURER AND AIC RATING AS EXISTING BREAKERS. FIELD VERIFY LOCATION OF PANELBOARD AND MOST DIRECT ROUTING OF CIRCUIT. 2. APPROXIMATE LOCATION OF PANELBOARD FOR NEW LIGHTING CIRCUITS. REFER TO BUILDING INTERIOR PLANS FOR EXACT LOCATION AND CONTROL SCHEME. EXTERIOR LIGHTING CIRCUITS TO BE s S CONTROLLED BY TIME CLOCK/PHOTOCELL. ш 3. REFER TO BUILDING INTERIOR PLANS FOR ROUTING LIGHTING CIRCUITS IN BUILDING. ш-4. IN GRADE JUNCTION BOX. REFER TO JUNCTION BOX DETAILS FOR ADDITIONAL INFORMATION. DETERMINE EXACT LOCATION AND QUANTITY FOR ROUTING NEW LIGHTING CIRCUITS. ∠\_\_ ∠ ○ FEEDER SCHEDULE ́ш 1. (2)-#10 AND (1)-#10 GROUND IN 1" CONDUIT. • 0 Ŭ <sup>°</sup> S<sup>L</sup> DEVELOPMENT LEE'S SUMMIT LOGISTICS ORNER OF TUDOR ROAD AND MAIN STRE JRI З SITE LIGHTING POWER PLAN DEVELOPEMENT PLAN - BUILDING E1.03 E1.02 KEY MAP drawn by: checked by: approved by: QA/QC by: QAVQC by: ID project no.: C21-04157 drawingEndNSITE C02104157.dwg date: 05.03.2022

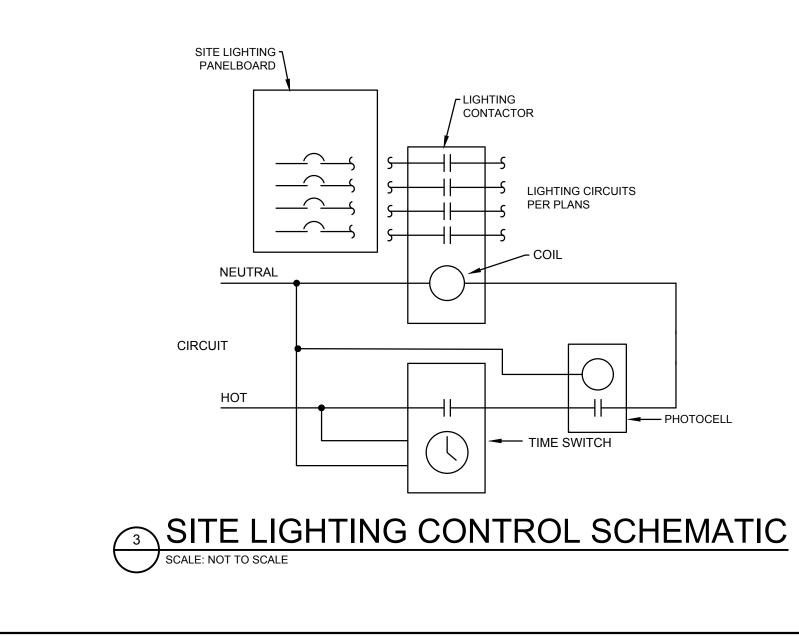


SHEET

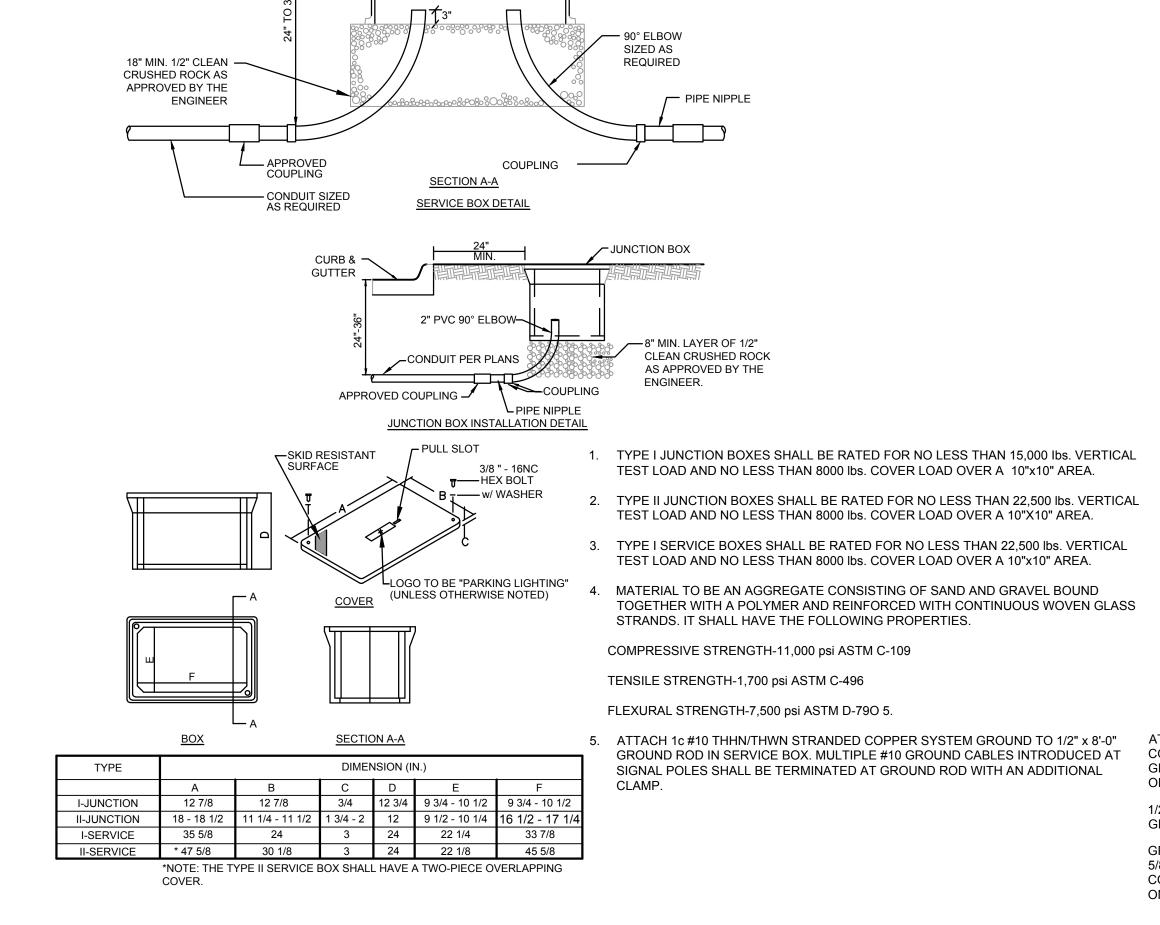
E2.03

10' 20' SCALE IN FEET

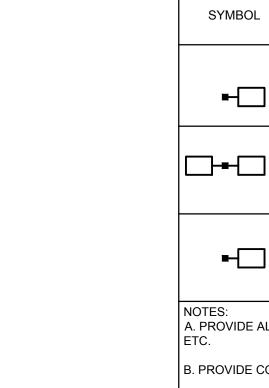




# FIBERGLASS REINFORCED POLYMER CONCRETE JUNCTION BOX DETAILS



PLAN



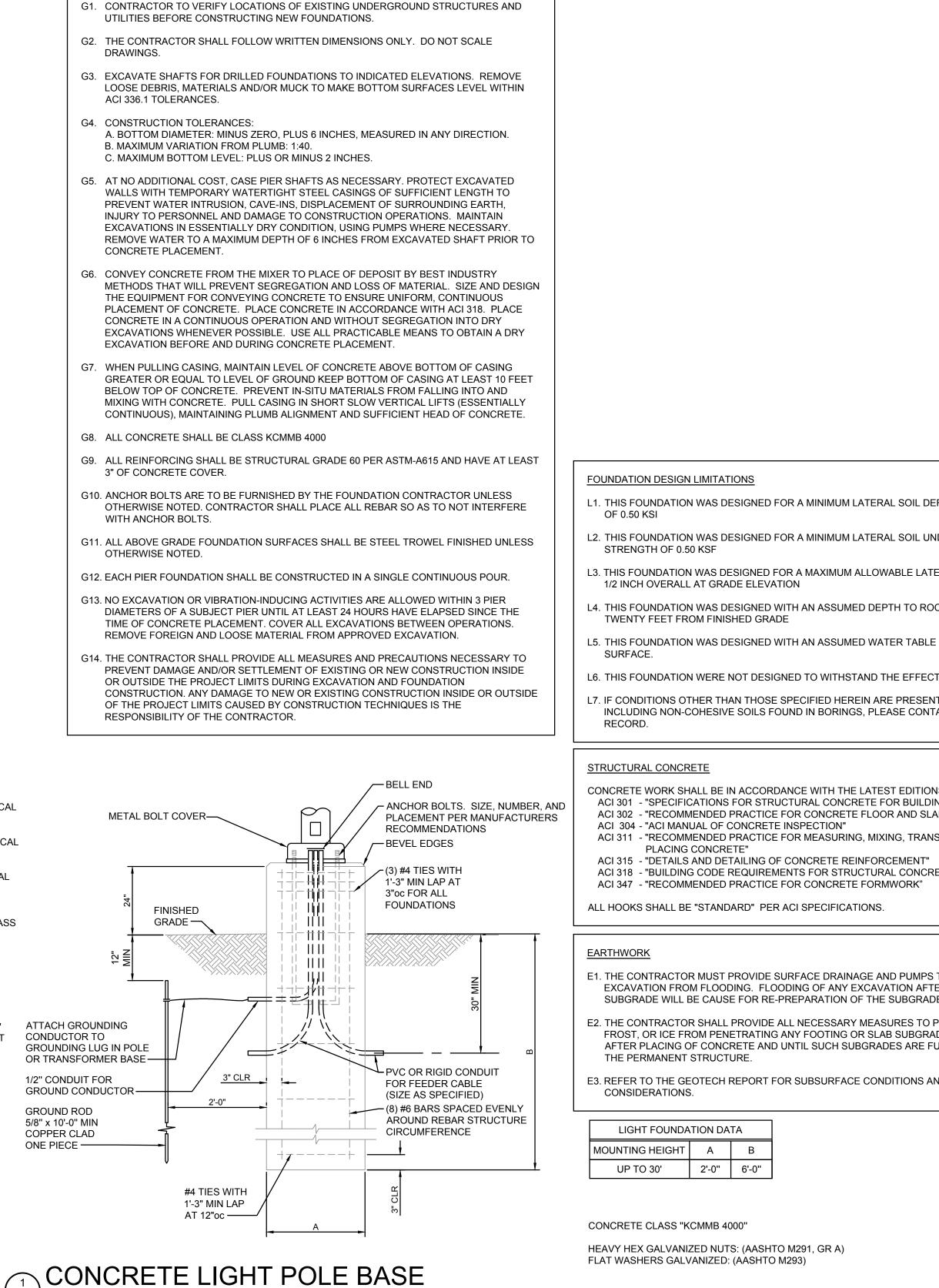


	LIGHTING FIXTURE SCHEDULE												
TYPE	DESCRIPTION	MANUFACTURER AND MODEL	LAMPS	LUMENS	COLOR TEMP / CRI	DRIVER / BALLAST	VOLTAGE / WATTAGE	LOCATION					
P4	AREA LED LIGHT FIXTURE WITH 25'-0" POLE AND CONCRETE BASE.	LITHONIA# DSX1-LED-P8-40K-T4M-MVOLT-SPA-DBLXD POLE# SSS-25-5G-DM19AS-DBLXD	LED	18,424	4000K / 80	0-10V DIMMING	MVOLT 207	PARKING LOT					
P3-2	DOUBLE HEAD AREA LED LIGHT FIXTURE WITH 25'-0" POLE AND CONCRETE BASE.	LITHONIA# DSX1-LED-P3-40K-T3M-MVOLT-SPA-DBLXD POLE# SSS-25-5G-DM28AS-DBLXD	LED	12,214	4000K / 80	0-10V DIMMING	MVOLT 204	PARKING LOT					
P2-HS	AREA LED LIGHT FIXTURE WITH 25'-0" POLE AND CONCRETE BASE.	LITHONIA# DSX1-LED-P3-40K-T2M-MVOLT-HS-SPA-DBLXD POLE# SSS-25-5G-DM19AS-DBLXD	LED	10,282	4000K / 80	0-10V DIMMING	MVOLT 102	PARKING LOT					

A. PROVIDE ALL COMPONENTS TO MAKE A COMPLETE ASSEMBLY. THIS WOULD INCLUDE, BUT NOT BE LIMITED TO, ARM, MOUNTING BRACKETS, POLE BASE COVER, ANCHOR BOLTS, TEMPLATE, BASE, HAND HOLE, SEPARATE CIRCUIT OUTLET,

B. PROVIDE CONCRETE BASE, PER DETAIL.

GENERAL NOTES



CONCRETE CLASS "KCMMB 4000" HEAVY HEX GALVANIZED NUTS: (AASHTO M291, GR A) FLAT WASHERS GALVANIZED: (AASHTO M293)

2'-0" 6'-0"

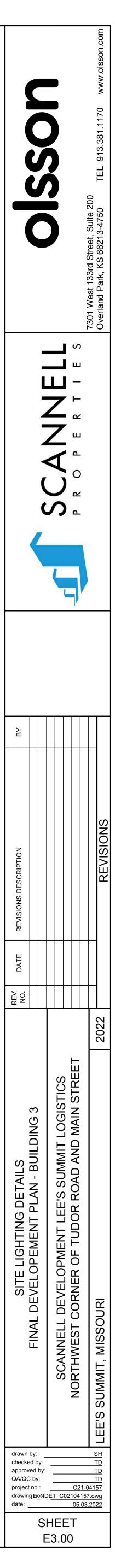
В

LIGHT FOUNDATION DATA

PLACING CONCRETE"

EFORMATION MODULUS
NDRAINED SHEAR
ERAL DEFLECTION OF
OCK GREATER THAN
E LOCATED AT THE SOIL
CTS OF SCOURING.
NT AT THE SITE, TACT THE ENGINEER OF
NS OF: INGS" AB CONSTRUCTION" ISPORTING, AND RETE"
S TO PROTECT ALL

S TO PROTECT ALL FER APPROVAL OF THE DE.	
PREVENT ANY WATER, ADE BEFORE AND FULLY PROTECTED BY	
ND CONSTRUCTION	



# SECTION 260000 ELECTRICAL

1. GENERAL CONDITIONS:

A. THIS CONTRACTOR SHALL INSPECT THE SITE WHERE THIS WORK IS TO B PERFORMED AND FULLY FAMILIARIZE HIMSELF WITH ALL CONDITIONS RELATED TO THIS PROJECT.

- B. THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMANENT AND TEMPORARY PERMITS AND LICENSES AND SHALL MAKE ALL DEPOSITS AND PAY ALL FEES REQUIRED FOR THE PERFORMANCE OF WORK UNDER THIS SECTION OTHER THAN THOSE DEPOSITS OR FEES WHICH ARE FULLY REFUNDABLE TO THE OWNER.
- C. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL SYSTEMS AND COMPONENTS COVERED UNDER THIS SECTION. WHERE LOCAL CONDITION NECESSITATE A REARRANGEMENT, THE CONTRACTOR SHALL PREPARE, AN SUBMIT FOR APPROVAL, DRAWINGS OF THE PROPOSED REARRANGEMENT THIS CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL ANI FINISH CONDITIONS AFFECTING ALL OF HIS WORK AND SHALL ARRANGE SU WORK ACCORDINGLY, FURNISHING SUCH FITTINGS AND ACCESSORIES AS MAY BE REQUIRED TO MEET SUCH CONDITIONS AT NO ADDITIONAL COST T
- D. THIS CONTRACTOR SHALL VERIFY ALL DIMENSIONS. DRAWINGS SHALL NO BE SCALED TO DETERMINE DIMENSIONS.
- E. SPECIFICATIONS AND DRAWINGS ARE COMPLEMENTARY AND WHAT IS CALLED FOR IN ONE SHALL BE AS BINDING AS IF CALLED FOR BY BOTH.
- F. FURNISH LABOR, MATERIALS, EQUIPMENT AND SERVICES REQUIRED AS SHOWN ON THE DRAWINGS AND SPECIFIED IN DIVISION 15.
- G. ALL WORK SHALL BE COMPLETE AND SHALL BE LEFT IN OPERATING CONDITION.
- H. INCLUDE ALL PARTS AND LABOR WHICH ARE INCIDENTAL AND NECESSARY FOR A COMPLETE AND OPERABLE INSTALLATION EVEN THOUGH NOT SPECIFICALLY MENTIONED IN THE CONTRACT DOCUMENTS. .
- I. REQUEST INSPECTIONS AS REQUIRED BY REGULATING AGENCIES AND/OR REGULATIONS. PAY ALL CHARGES FOR INSPECTIONS BY REGULATING
- AGENCIES OF INSTALLATIONS OF PLANS SPECIFICATIONS. PROVIDE THE OWNER WITH A CERTIFICATE OF FINAL INSPECTION AND
- APPROVAL BY ENFORCEMENT AUTHORITIES. K. FURNISH: TO OBTAIN, COORDINATE, SUBMIT THE NECESSARY DRAWINGS, DELIVER TO THE JOB SITE IN NEW CONDITION READY FOR INSTALLATION,
- L. INSTALL: TO RECEIVE AT THE JOB SITE, STORE, ASSEMBLE, ERECT, SET IN PLACE, ANCHOR, APPLY, FINISH, PROTECT, CLEAN, TEST, START-UP, AND MAKE READY FOR OWNER'S USE.
- M. PROVIDE: TO FURNISH AND INSTALL.

- N. PROVIDE NEW MATERIAL AND EQUIPMENT, UNLESS NOTED OTHERWISE. PROTECT EQUIPMENT AND MATERIAL FROM DAMAGE, DIRT AND THE WEATHER.
- O. THE ENGINEER RESERVES THE RIGHT TO REJECT MATERIAL OR WORKMANSHIP NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, BEFORE OR AFTER INSTALLATION, AT NO ADDITIONAL COST TO THE OWNER
- P. REFINISH ALL ELECTRICAL EQUIPMENT DAMAGED DURING SHIPPING, INSTALLATION AND/OR PRIOR TO FINAL ACCEPTANCE TO ITS ORIGINAL CONDITION. REMOVE ALL RUST; PRIME, AND PAINT PER MANUFACTURER'S RECOMMENDATIONS FOR FINISH EQUAL TO ORIGINAL.
- Q. PROTECT OPENINGS AND EQUIPMENT FROM OBSTRUCTION, BREAKAGE, MISUSE, DAMAGE OR BLEMISHES. PROTECT MATERIALS AND EQUIPMENT IMMEDIATELY UPON RECEIPT AT THE JOB SITE OR IMMEDIATELY AFTER TH HAVE BEEN REMOVED FROM THEIR SHIPPING CONTAINERS. UNLESS NOTE OTHERWISE, KEEP THEM CLEAN AND UNDAMAGED UNTIL FINAL ACCEPTAN OF THE ENTIRE PROJECT BY THE OWNER. WHEN A PORTION OF THE BUILDING IS OCCUPIED BY THE OWNER BEFORE SUBSTANTIAL COMPLETION OF THE ENTIRE PROJECT, MAKE ARRANGEMENTS TO TRANSFER RESPONSIBILITY FOR PROTECTION AND HOUSEKEEPING FOR THE OCCUPIE
- R. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ELECTRICAL EQUIPMENT, MATERIALS OR WORK UNTIL FINAL ACCEPTANCE OF THE ENTIL PROJECT BY THE OWNER.
- S. KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH, CAUSED BY HIS EMPLOYEES OR WORK, AT ALL TIMES. REMOVE RUBBISH, TOOLS, SCAFFOLDING, AND SURPLUS MATERIALS FROM AND ABC THE BUILDING, AND LEAVE WORK AREAS "BROOM CLEAN" OR ITS EQUIVALE DAILY. CLEAN ELECTRICAL EQUIPMENT AND REMOVE TEMPORARY IDENTIFICATION.
- T. OPERATE EQUIPMENT AND SYSTEMS IN ALL THEIR OPERATING MODES, TO VERIFY PROPER OPERATION, PRIOR TO FINAL FIELD OBSERVATION AND OWNER INSTRUCTIONS. PREPARE A PRE-INSPECTION REPORT AND SUBMI TO THE ENGINEER AND OWNER FOR REVIEW.
- U. TEST ALL INSTALLED ELECTRICAL EQUIPMENT AND CABLES REQUIRED BY CONSTRUCTION DOCUMENTS ACCORDING TO THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE INTERNATIONAL ELECTRICAL TESTING ASSOCIATION, INC. (NETA). IF ACCEPTABLE PERFORMANCE OF ANY TEST I NOT ACHIEVED, MAKE THE NECESSARY CORRECTIONS AND THE TEST SHAI BE REPEATED UNTIL ACCEPTABLE PERFORMANCE IS ACHIEVED. PROVIDE WRITTEN REPORTS OF ALL TESTS, WITH FAILURES IDENTIFIED, TO ENGINE
- V. FULLY INSTRUCT THE OWNER'S DESIGNATED PERSONNEL IN THE OPERATION OF EACH ELECTRICAL SYSTEM AT THE TIME IT IS PUT INTO SERVICE. PROV INSTRUCTION USING COMPETENT INSTRUCTORS AND FACTORY TRAINED PERSONNEL.
- W. CONTRACTOR SHALL INSTALL ALL MATERIALS AND EQUIPMENT AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS AND/OR RECOMMENDATIONS.
- X. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL EQUIPMENT INDICATED AND/OR REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTE A FORM INDICATING ALL SHOP DRAWINGS TO BE PROVIDED AS PART OF TH PROJECT SHALL BE SUBMITTED FOR REVIEW BY THE ENGINEER PRIOR TO ANY SHOP DRAWING SUBMITTAL REVIEW.
- Y. THIS SPECIFICATION SHALL INCORPORATE ALL PROJECT REQUIREMENTS A RESPONSIBILITIES INDICATED WITHIN THE FRONT-END OF THE PROJECT MANUAL.

2. LAWS, REGULATIONS, ORDINANCES, STATUTES AND CODES:

А.	ALL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL
	ELECTRICAL CODE, THE NATIONAL FIRE PROTECTION ASSOCIATION CODES,
	THE NATIONAL ELECTRICAL SAFETY CODE, LOCAL BUILDING CODE, AND ALL
	APPLICABLE LOCAL LAWS, REGULATIONS, ORDINANCES, STATUTES AND
	CODES. SHOULD ANY WORK SHOWN ON THE DRAWINGS OR SPECIFIED
	HEREIN BE OF LOWER STANDARD, THE CONTRACTOR SHALL REFER THE
	POINTS IN QUESTION TO THE ENGINEER FOR APPROVAL.

3. SCOPE OF WORK:

A. WORK UNDER THIS SECTION SHALL CONSIST OF FURNISHING ALL LABOR, MATERIAL AND ASSOCIATED SERVICES REQUIRED TO COMPLETELY

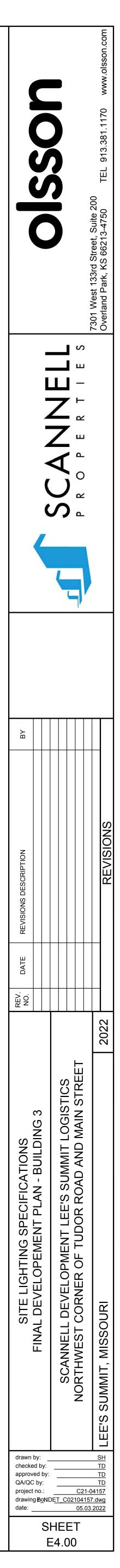
	DRAWINGS AND HEREIN DESCRIBED.
THIS CONTRACTOR SHALL INSPECT THE SITE WHERE THIS WORK IS TO BE PERFORMED AND FULLY FAMILIARIZE HIMSELF WITH ALL CONDITIONS RELATED TO THIS PROJECT.	<ul> <li>B. ALL WORK PERFORMED UNDER THIS SECTION SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER.</li> <li>4. MATERIALS AND EQUIPMENT REVIEW:</li> </ul>
THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMANENT AND TEMPORARY PERMITS AND LICENSES AND SHALL MAKE ALL DEPOSITS AND PAY ALL FEES REQUIRED FOR THE PERFORMANCE OF WORK UNDER THIS SECTION OTHER THAN THOSE DEPOSITS OR FEES WHICH ARE FULLY REFUNDABLE TO THE OWNER.	<ul> <li>A. AS SOON AS POSSIBLE AFTER THE AWARD OF THE CONTRACT, THIS CONTRACTOR SHALL SUBMIT FOR REVIEW SHOP DRAWINGS FOR ALL EQUIPMENT TO BE FURNISHED FOR THIS PROJECT. SUBMITTALS SHALL HIGHLIGHT THE MANUFACTURER'S NAME, MODEL NUMBER, DESCRIPTIVE ENGINEERING DATA AND ALL NECESSARY INFORMATION AS TO FINISH, MATERIAL GAUGES AND ACCESSORIES.</li> </ul>
DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL SYSTEMS AND COMPONENTS COVERED UNDER THIS SECTION. WHERE LOCAL CONDITIONS NECESSITATE A REARRANGEMENT, THE CONTRACTOR SHALL PREPARE, AND SUBMIT FOR APPROVAL, DRAWINGS OF THE PROPOSED REARRANGEMENT. ITHIS CONTRACTOR SHALL CAREFULLY INVESTIGATE THE STRUCTURAL AND FINISH CONDITIONS AFFECTING ALL OF HIS WORK AND SHALL ARRANGE SUCH	<ul> <li>B. ALL PORTIONS OF THE SHOP DRAWINGS THAT ARE INTENDED TO BE REVIEWED SHALL BE HIGHLIGHTED. ANY PORTION NOT CALLED OUT SHALL BE ASSUMED TO BE EXCLUDED FROM THE JOB.</li> </ul>
VORK ACCORDINGLY, FURNISHING SUCH FITTINGS AND ACCESSORIES AS MAY BE REQUIRED TO MEET SUCH CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.	5. GUARANTEE: A. THIS CONTRACTOR SHALL GUARANTEE COMPLETE SYSTEM OPERATION AND
HIS CONTRACTOR SHALL VERIFY ALL DIMENSIONS. DRAWINGS SHALL NOT BE SCALED TO DETERMINE DIMENSIONS.	THAT THE APPARATUS FURNISHED AND INSTALLED WILL BE FREE FROM DEFECTS IN WORKMANSHIP AND MATERIALS AND WILL GIVE SATISFACTORY SERVICE. THE CONTRACTOR AGREES TO REPLACE, WITHOUT EXPENSE TO THE OWNER, ANY PART OF THE INSTALLATION WHICH PROVES OR BECOMES
PECIFICATIONS AND DRAWINGS ARE COMPLEMENTARY AND WHAT IS ALLED FOR IN ONE SHALL BE AS BINDING AS IF CALLED FOR BY BOTH.	DEFECTIVE WITHIN ONE YEAR AFTER THE SYSTEM IS ACCEPTED. 6. COORDINATION:
URNISH LABOR, MATERIALS, EQUIPMENT AND SERVICES REQUIRED AS HOWN ON THE DRAWINGS AND SPECIFIED IN DIVISION 15.	A. THIS CONTRACTOR SHALL EXAMINE ALL ARCHITECTURAL, MECHANICAL, STRUCTURAL AND OTHER DRAWINGS RELATED TO THIS PROJECT, AND IT
LL WORK SHALL BE COMPLETE AND SHALL BE LEFT IN OPERATING ONDITION.	SHALL BE HIS RESPONSIBILITY TO COORDINATE THE ELECTRICAL WORK WITH OTHER TRADES.
ICLUDE ALL PARTS AND LABOR WHICH ARE INCIDENTAL AND NECESSARY OR A COMPLETE AND OPERABLE INSTALLATION EVEN THOUGH NOT PECIFICALLY MENTIONED IN THE CONTRACT DOCUMENTS	<ul><li>7. AS-BUILT DRAWINGS:</li><li>A. THIS CONTRACTOR SHALL PREPARE COMPLETE AS-BUILT DRAWINGS OF ALL</li></ul>
EQUEST INSPECTIONS AS REQUIRED BY REGULATING AGENCIES AND/OR EGULATIONS. PAY ALL CHARGES FOR INSPECTIONS BY REGULATING GENCIES OF INSTALLATIONS OF PLANS SPECIFICATIONS.	ELECTRICAL SYSTEMS AND TURN OVER TO THE ENGINEER REVISED ELECTRONIC CAD FILES. B. THIS CONTRACTOR SHALL PREPARE AND SUBMIT TO THE OWNER'S
ROVIDE THE OWNER WITH A CERTIFICATE OF FINAL INSPECTION AND PPROVAL BY ENFORCEMENT AUTHORITIES.	REPRESENTATIVE FIVE BOUND SETS OF MANUFACTURER'S LITERATURE FOR ALL EQUIPMENT TO BE INSTALLED ON THIS PROJECT SHOWING ALL DETAILS OF EQUIPMENT, REPLACEMENT PART DATA AND MAINTENANCE INSTRUCTIONS.
JRNISH: TO OBTAIN, COORDINATE, SUBMIT THE NECESSARY DRAWINGS, ELIVER TO THE JOB SITE IN NEW CONDITION READY FOR INSTALLATION, NLOAD AND UNPACK, AND GUARANTEE.	8. EXCAVATION:
ISTALL: TO RECEIVE AT THE JOB SITE, STORE, ASSEMBLE, ERECT, SET IN LACE, ANCHOR, APPLY, FINISH, PROTECT, CLEAN, TEST, START-UP, AND	A. ALL EXCAVATION AND BACKFILL REQUIRED FOR THE INSTALLATION OF ELECTRICAL WORK SHALL BE THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR.
AKE READY FOR OWNER'S USE. ROVIDE: TO FURNISH AND INSTALL.	B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER LAYOUT AND THE ESTABLISHMENT OF ALL LINES AND LEVELS REQUIRED FOR THE EXECUTION OF THE WORK.
ROVIDE NEW MATERIAL AND EQUIPMENT, UNLESS NOTED OTHERWISE. ROTECT EQUIPMENT AND MATERIAL FROM DAMAGE, DIRT AND THE 'EATHER.	C. WHEN SERVICES ARE TO BE RUN SIDE-BY- SIDE, A COMMON TRENCH MAY BE USED PROVIDING THE REQUIRED VERTICAL AND HORIZONTAL SEPARATION
HE ENGINEER RESERVES THE RIGHT TO REJECT MATERIAL OR ORKMANSHIP NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, EFORE OR AFTER INSTALLATION, AT NO ADDITIONAL COST TO THE OWNER.	BETWEEN THE VARIOUS SERVICES ARE MAINTAINED AND PROVIDING THE METHODS OF BEDDING AND BACKFILL MEET THE APPROVAL OF THE ENGINEER. CONTRACTORS INVOLVED SHALL MAKE THEIR OWN AGREEMENT AS TO THE SHARING OF THE COST OF THE COMMON TRENCHING AND BACKFILL WORK.
EFINISH ALL ELECTRICAL EQUIPMENT DAMAGED DURING SHIPPING, ISTALLATION AND/OR PRIOR TO FINAL ACCEPTANCE TO ITS ORIGINAL ONDITION. REMOVE ALL RUST; PRIME, AND PAINT PER MANUFACTURER'S ECOMMENDATIONS FOR FINISH EQUAL TO ORIGINAL.	D. LOCATE EXISTING UNDERGROUND UTILITIES IN AREAS OF EXCAVATION WORK. SHOULD UNCHARTED, OR INCORRECTLY CHARTED, PIPING OR OTHER UTILITIES BE ENCOUNTERED DURING EXCAVATION, CONSULT UTILITY
ROTECT OPENINGS AND EQUIPMENT FROM OBSTRUCTION, BREAKAGE, ISUSE, DAMAGE OR BLEMISHES. PROTECT MATERIALS AND EQUIPMENT IMEDIATELY UPON RECEIPT AT THE JOB SITE OR IMMEDIATELY AFTER THEY AVE BEEN REMOVED FROM THEIR SHIPPING CONTAINERS. UNLESS NOTED THERWISE, KEEP THEM CLEAN AND UNDAMAGED UNTIL FINAL ACCEPTANCE	ENGINEER IMMEDIATELY FOR DIRECTIONS. COOPERATE WITH OWNER AND UTILITY COMPANIES IN KEEPING RESPECTIVE SERVICES AND FACILITIES IN OPERATION. REPAIR DAMAGED UTILITIES TO SATISFACTION OF UTILITY OWNER. 9. EXTERIOR AND FOUNDATION WALLS:
F THE ENTIRE PROJECT BY THE OWNER. WHEN A PORTION OF THE JILDING IS OCCUPIED BY THE OWNER BEFORE SUBSTANTIAL COMPLETION F THE ENTIRE PROJECT, MAKE ARRANGEMENTS TO TRANSFER ESPONSIBILITY FOR PROTECTION AND HOUSEKEEPING FOR THE OCCUPIED ORTION.	A. ALL PIPING THROUGH EXTERIOR OR FOUNDATION WALLS SHALL PASS THROUGH SCHEDULE 40 GALVANIZED STEEL SLEEVES WHICH SHALL BE LARGE ENOUGH TO ALLOW FOR CAULKING MATERIAL. NO SLEEVES ARE PERMITTED THROUGH CONCRETE STRUCTURAL MEMBERS. ALL SLEEVES SHALL BE COORDINATED AND APPROVED BY THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION.
ONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO ELECTRICAL QUIPMENT, MATERIALS OR WORK UNTIL FINAL ACCEPTANCE OF THE ENTIRE ROJECT BY THE OWNER.	10.FLOORS:
EEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR UBBISH, CAUSED BY HIS EMPLOYEES OR WORK, AT ALL TIMES. REMOVE UBBISH, TOOLS, SCAFFOLDING, AND SURPLUS MATERIALS FROM AND ABOUT HE BUILDING, AND LEAVE WORK AREAS "BROOM CLEAN" OR ITS EQUIVALENT AILY. CLEAN ELECTRICAL EQUIPMENT AND REMOVE TEMPORARY	<ul> <li>ALL PIPING THROUGH FLOORS SHALL BE PROVIDED WITH SCHEDULE 40 GALVANIZED STEEL PIPE SLEEVES, EXTENDING 2 INCHES ABOVE FLOOR.</li> <li>11.CUTTING:</li> </ul>
PERATE EQUIPMENT AND SYSTEMS IN ALL THEIR OPERATING MODES, TO	A. ALL CUTTING OF EXISTING CONCRETE FLOORS/SLABS ON GRADE IN THE INTERIOR OF THE BUILDING SHALL BE PERFORMED BY "SAW CUTTING".
ERIFY PROPER OPERATION, PRIOR TO FINAL FIELD OBSERVATION AND WNER INSTRUCTIONS. PREPARE A PRE-INSPECTION REPORT AND SUBMIT O THE ENGINEER AND OWNER FOR REVIEW.	12.PATCHING:
EST ALL INSTALLED ELECTRICAL EQUIPMENT AND CABLES REQUIRED BY ONSTRUCTION DOCUMENTS ACCORDING TO THE REQUIREMENTS OF THE	A. ON CONCRETE, PATCH THE OPENING WITH CONCRETE, FINISHED SMOOTH WITH ADJACENT SURFACES.
OST CURRENT EDITION OF THE INTERNATIONAL ELECTRICAL TESTING SSOCIATION, INC. (NETA). IF ACCEPTABLE PERFORMANCE OF ANY TEST IS OT ACHIEVED, MAKE THE NECESSARY CORRECTIONS AND THE TEST SHALL E REPEATED UNTIL ACCEPTABLE PERFORMANCE IS ACHIEVED. PROVIDE (RITTEN REPORTS OF ALL TESTS, WITH FAILURES IDENTIFIED, TO ENGINEER.	<ul> <li>13.IDENTIFICATION OF SWITCHES AND APPARATUS:</li> <li>A. ALL CABINETS, SAFETY SWITCHES, AND OTHER APPARATUS USED FOR OPERATION AND CONTROL OF CIRCUITS, APPLIANCES, AND EQUIPMENT UNDER THIS CONTRACT SHALL BE PROPERLY IDENTIFIED BY MEANS OF</li> </ul>
'RITTEN REPORTS OF ALL TESTS, WITH FAILURES IDENTIFIED, TO ENGINEER. JLLY INSTRUCT THE OWNER'S DESIGNATED PERSONNEL IN THE OPERATION F EACH ELECTRICAL SYSTEM AT THE TIME IT IS PUT INTO SERVICE. PROVIDE ISTRUCTION USING COMPETENT INSTRUCTORS AND FACTORY TRAINED	ENGRAVED PLASTIC PLATES BLACK WITH WHITE LETTERS.
ERSONNEL. ONTRACTOR SHALL INSTALL ALL MATERIALS AND EQUIPMENT AS PER	<ul> <li>A. ALL FEEDERS AND BRANCH CIRCUITS SHALL CONTAIN GROUND WIRES.</li> <li>B. ALL CONDUCTORS, MOTOR FRAMES, RACEWAYS, CABINETS, ETC., THAT REQUIRE GROUNDING SHALL BE GROUNDED IN ACCORDANCE WITH THE</li> </ul>
ANUFACTURER'S WRITTEN INSTRUCTIONS AND/OR RECOMMENDATIONS. ONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL EQUIPMENT DICATED AND/OR REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM.	REQUIRE GROUNDING SHALL BE GROUNDED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 250 OF THE NATIONAL ELECTRICAL CODE, THOSE OF THE SERVING UTILITY AND LOCAL AUTHORITIES HAVING JURISDICTION.
FORM INDICATING ALL SHOP DRAWINGS TO BE PROVIDED AS PART OF THE ROJECT SHALL BE SUBMITTED FOR REVIEW BY THE ENGINEER PRIOR TO NY SHOP DRAWING SUBMITTAL REVIEW.	15. CONDUIT: A. ALL ELECTRICAL POWER WIRING, INCLUDING LOW VOLTAGE WIRING, SHALL BE INSTALLED IN CONDUIT AS HEREIN SPECIFIED. NO CONDUIT OR TUBING
HIS SPECIFICATION SHALL INCORPORATE ALL PROJECT REQUIREMENTS AND ESPONSIBILITIES INDICATED WITHIN THE FRONT-END OF THE PROJECT ANUAL.	<ul> <li>BL INGTALLED IN CONDUIT ACTILITEIN OF LOTITED. NO CONDUCT ON TODINO OF LESS THAN 3/4 INCH NOMINAL SIZE SHALL BE USED.</li> <li>B. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 AS MANUFACTURED BY CARLON OR APPROVED EQUAL. ALL CONDUITS SHALL BE INSTALLED WITH</li> </ul>
TIONS, ORDINANCES, STATUTES AND CODES:	MINIMUM 36" INCH COVER.
LL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL LECTRICAL CODE, THE NATIONAL FIRE PROTECTION ASSOCIATION CODES, HE NATIONAL ELECTRICAL SAFETY CODE, LOCAL BUILDING CODE, AND ALL PPLICABLE LOCAL LAWS, REGULATIONS, ORDINANCES, STATUTES AND ODES. SHOULD ANY WORK SHOWN ON THE DRAWINGS OR SPECIFIED IEREIN BE OF LOWER STANDARD, THE CONTRACTOR SHALL REFER THE	C. CONDUIT INSTALLED ABOVE GROUND EXTERIOR SHALL BE GALVANIZED RIGIT STEEL AS MANUFACTURED BY THE ALLIED TUBE AND CONDUIT CORPORATION OR APPROVED EQUAL. CONDUIT SHALL BE SHERARDIZED OR HOT-DIP GALVANIZED INSIDE AND OUTSIDE INCLUDING ENDS AND THREADS AND ENAMELED OR LACQUERED INSIDE IN ADDITION TO GALVANIZING.
POINTS IN QUESTION TO THE ENGINEER FOR APPROVAL.	D. WHEN PVC CONDUITS PENETRATE CONCRETE FLOOR CONSTRUCTION, CONTRACTOR SHALL USE RIGID STEEL ELBOWS AND EXTENSION. PVC CONDUIT/FITTINGS SHALL NOT BE PERMITTED TO BE EXPOSED ABOVE THE
WORK UNDER THIS SECTION SHALL CONSIST OF FURNISHING ALL LABOR, MATERIAL AND ASSOCIATED SERVICES REQUIRED TO COMPLETELY CONSTRUCT AND LEAVE ALL SYSTEMS OPERATIONAL AS SHOWN ON THE	<ul><li>FLOOR.</li><li>E. THIN WALL TUBING SHALL BE REPUBLIC "ELECTRUNITE E.M.T." OR APPROVED EQUAL. SHALL BE INSTALLED INDOORS.</li></ul>

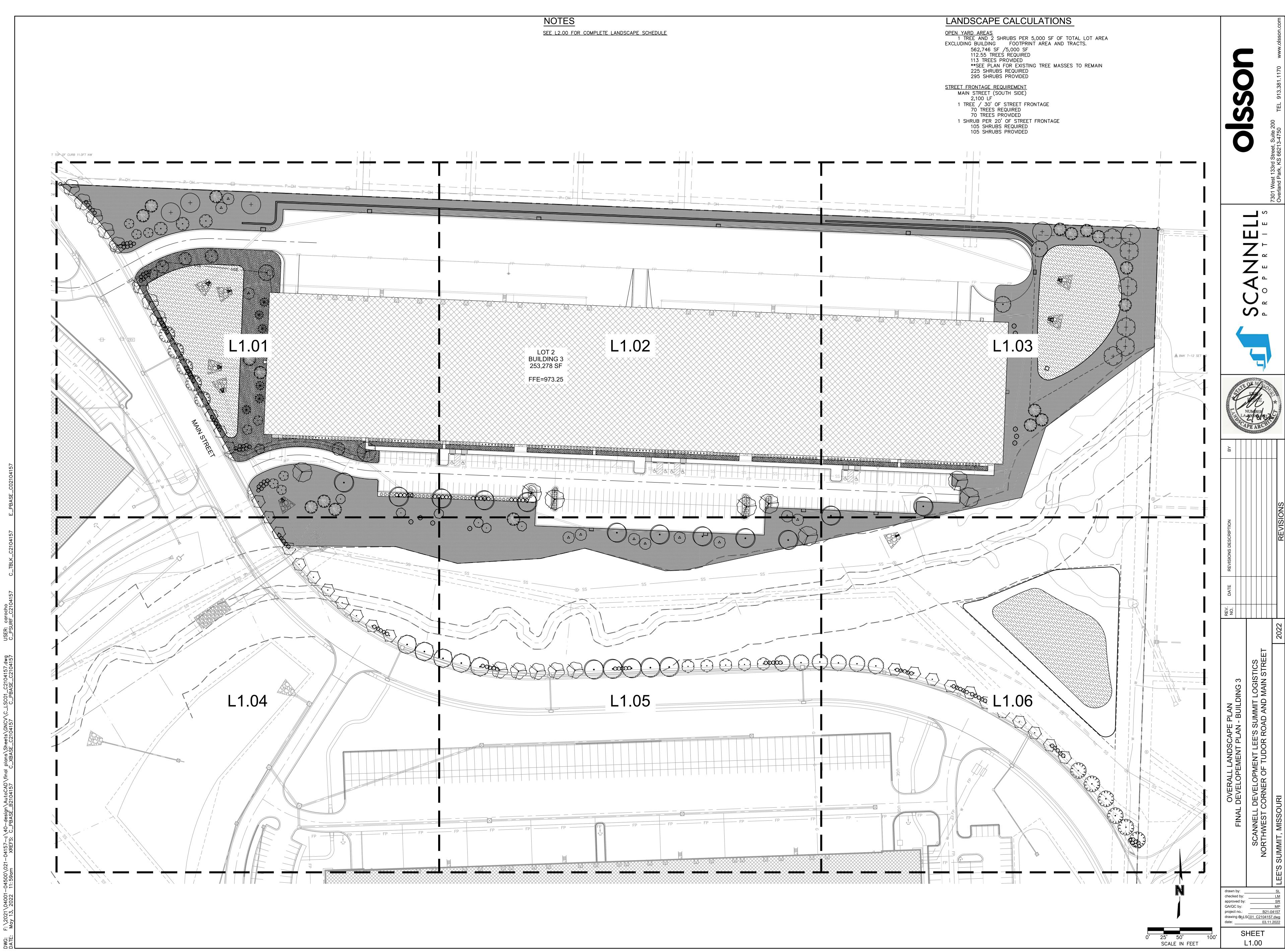
F.	ALL FITTINGS SHALL BE OF THE COMPRESSION TYPE A WATERTIGHT.

- UNLESS OTHERWISE NOTED. H. RACEWAYS SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND FITTING TO FITTING. A RUN OF CONDUIT BETWEEN OUTLETS OR FITTINGS SHALL NOT CONTAIN MORE THAN THE EQUIVALENT OF FOUR QUARTER-BENDS INCLUDING THOSE BENDS LOCATED IMMEDIATELY AT THE OUTLET OR FITTING. THE RADIUS OF BENDS SHALL NEVER BE SHORTER THAN THAT OF THE CORRESPONDING TRADE ELBOW. THE SYS- TEM SHALL BE COMPLETE WITH OUTLETS, DISTRIBUTION BOXES, ETC., SMOOTH INSIDE AND MECHANICALLY SECURE IN PLACE. APPROVED STRAPS, HANGERS, OR SUPPORTS SHALL BE USED TO SECURE CONDUITS IN PLACE. CONDUITS SHALL, IN GENERAL, BE SUPPORTED AT INTERVALS NOT EXCEEDING 10'-0" AND WITHIN 3'-0" OF EACH OUTLET BOX, JUNCTION BOX, CABINET OR FITTING.
- I. CONDUITS SHALL BE PROTECTED DURING CONSTRUCTION; PLUG AND KEEP CLEAN AND DRY. CONDUIT ENDS SHALL BE BUTTED IN CENTERS OF COUPLINGS. NO CRACKS OR FLATTENED SECTIONS WILL BE PERMITTED AT BENDS OR ELSEWHERE. ALL ENDS OF CONDUIT SHALL BE REAMED TO REMOVE ROUGH EDGES. RUNNING THREADS WILL NOT BE PERMITTED.
- J. CONDUITS SHALL BE CONCEALED WITHIN THE WALLS, CEILINGS, AND FLOORS WHERE POSSIBLE AND UNLESS OTHERWISE NOTED. EXPOSED CONDUIT SHALL BE RUN PARALLEL TO OR AT RIGHT ANGLES WITH THE BUILD- ING LINES.
- 18. WIRE AND CABLE:
  - A. WIRE AND CABLE SHALL BE AMERICAN INSULATED WIRE CORP., GENERAL CABLE CORP., SENATOR WIRE AND CABLE CORP. SOUTHWIRE OR APPROVED EQUAL, OF SIZES AS SHOWN ON THE DRAWINGS OR HEREIN SPECIFIED.
  - B. ALL CONDUCTORS SHALL BE COPPER. C. NO. 10 AWG AND SMALLER CONDUCTORS SHALL BE SOLID WITH INSULATION AND NO. 8 AWG AND LARGER CONDUCTORS SHALL BE STRANDED WITH TYPE THHN/THWN INSULATION EXCEPT THAT CONDUCTORS WITHIN 3 INCHES OF LIGHT FIXTURE BALLASTS SHALL HAVE RHH, THHN, OR EQUAL INSULATION

RATED FOR 90 DEGREES C. APPLICATION.

G. CONDUIT FOR INTERIOR WIRING, IN GENERAL, SHALL BE THINWALL TUBING



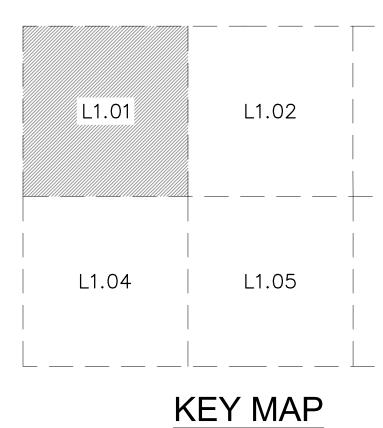




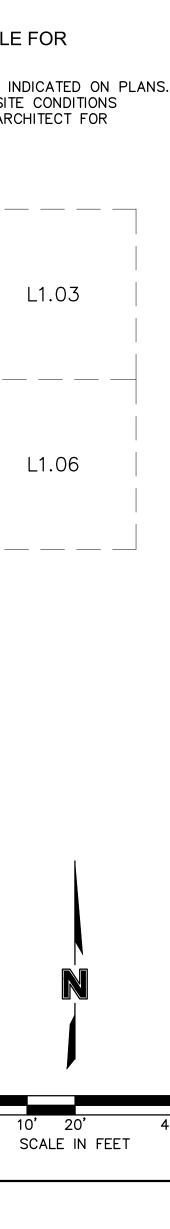
	PLANT SCHEDUL		0.75		
	DECIDUOUS TREES	BOTANICAL / COMMON NAME	SIZE	CALIPER	QTY
		ACER SACCHARUM CADDO CADDO SUGAR MAPLE	В & В	3"	7
		GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER' SHADEMASTER LOCUST	В & В	3"	2
P-0H		QUERCUS BICOLOR SWAMP WHITE OAK	В & В	3"	2
	+	QUERCUS MACROCARPA BURR OAK	В & В	3"	3
		QUERCUS SHUMARDII SHUMARD RED OAK	В & В	3"	1
		TILIA AMERICANA 'BOULEVARD' BOULEVARD LINDEN	В & В	3"	8
	E. J	ULMUS PROPINQUA 'EMERALD SUNSHINE' EMERALD SUNSHINE ELM	В & В	3"	5
		ZELKOVA SERRATA 'MUSASHINO' SAWLEAF ZELKOVA	В & В	3"	5
	EVERGREEN TREES	BOTANICAL / COMMON NAME	SIZE	CALIPER	QTY
	E Contraction	PICEA ABIES NORWAY SPRUCE	B&B, 8' HT.		9
		PICEA PUNGENS COLORADO SPRUCE	B&B, 8' HT.		6
	ORNAMENTAL TREES	BOTANICAL / COMMON NAME	SIZE	CALIPER	QTY
		ACER TATARICUM 'HOT WINGS' HOT WINGS TATARIAN MAPLE	B&B, 8' HT.		3
		CERCIS CANADENSIS EASTERN REDBUD	В & В	3"	3
<u> </u>		MALUS X 'PRAIRIFIRE' PRAIRIFIRE CRABAPPLE	В & В	3"	10
	SHRUBS	BOTANICAL / COMMON NAME	SIZE		
		BUXUS X 'GREEN VELVET' BOXWOOD	5 GAL		18
		CORNUS STOLONIFERA 'FARROW' TM ARCTIC FIRE RED TWIG DOGWOOD	5 GAL		10
	Summerse and Summers	JUNIPERUS CHINENSIS 'SEA GREEN' SEA GREEN JUNIPER	5 GAL		59
		PANICUM VIRGATUM 'NORTH WIND' NORTHWIND SWITCH GRASS	1 GAL		10
	$\odot$	PHYSOCARPUS OPULIFOLIUS 'TINY WINE' TINY WINE NINEBARK	5 GAL		10
	$\bigcirc$	VIBURNUM NUDUM 'WINTERTHUR' WINTERTHUR VIBURNUM	5 GAL		9
$\nearrow$	GROUND COVERS	BOTANICAL / COMMON NAME	CONT		_
LOT 2 BUILDING 3		FESTUCA TURF TYPE TALL FESCUE BLEND	SOD		
253,278 SF	NATIVE VEGETATION	BOTANICAL / COMMON NAME	CONT		
FFE=973.25		PANICUM VIRGATUM SWITCH GRASS	SEED		

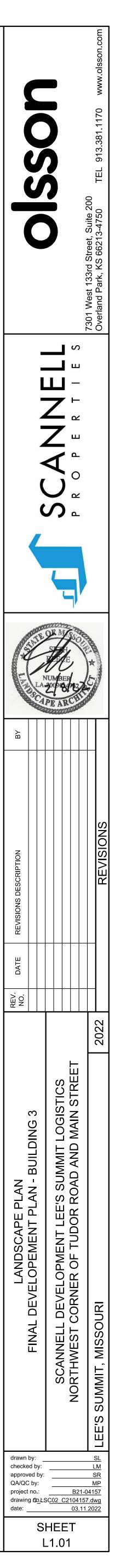
SEE SHEET L2.00 FOR COMPLETE PLANT SCHEDULE FOR SIZE AND TOTAL QUANTITIES.

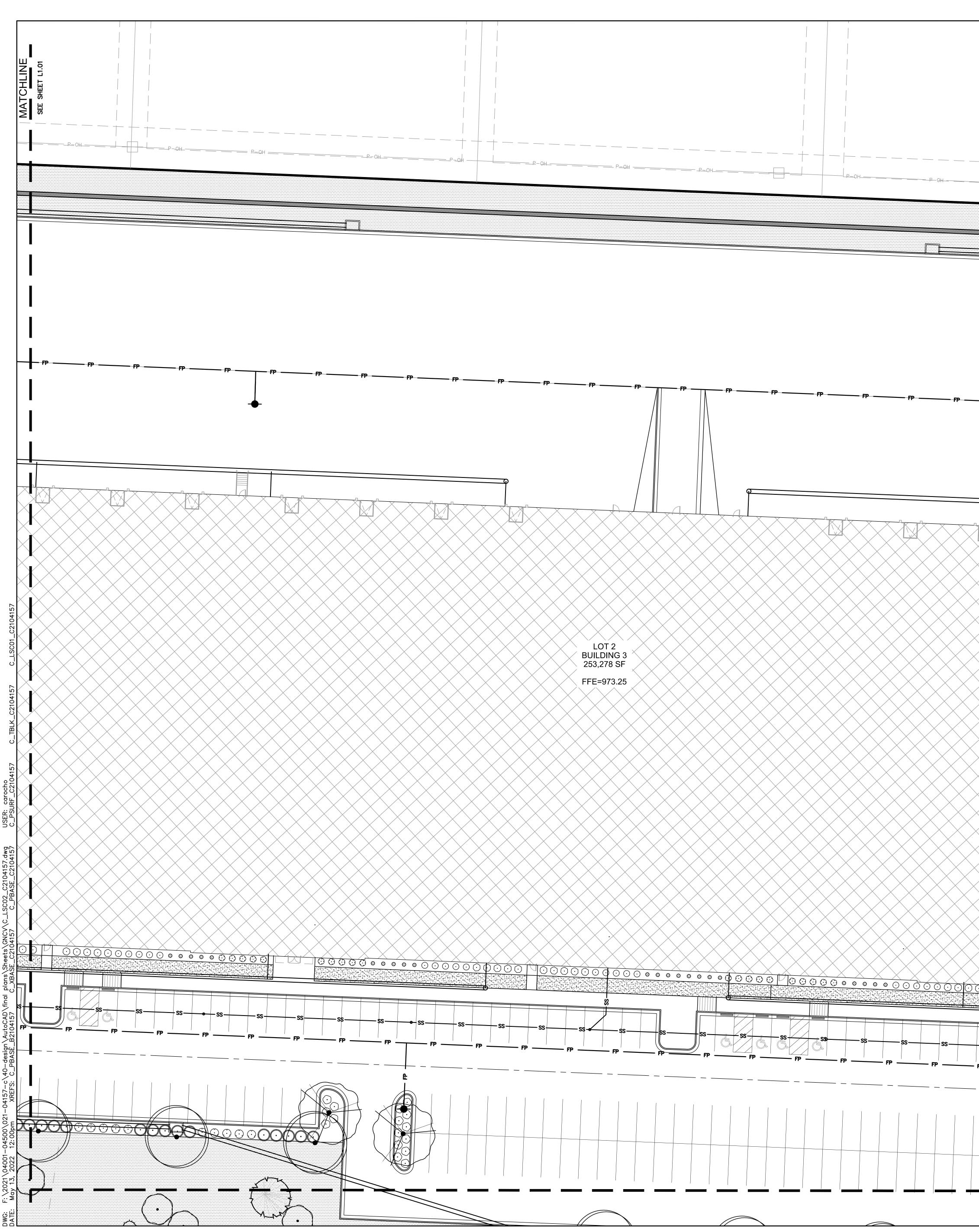
NOTE: ALL EQUIPMENT MUST BE SCREENED WHETHER OR NOT INDICATED ON PLANS. FIELD ADJUSTMENTS MAY BE NECESSARY TO ACCOMMODATE SITE CONDITIONS EQUIPMENT AND LANDSCAPE. COORDINATE WITH LANDSCAPE ARCHITECT FOR ADEQUATE SCREENING. MUST MEET CITY REQUIREMENTS.



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L1.04	L1.05
	KEY MAP

L1.02

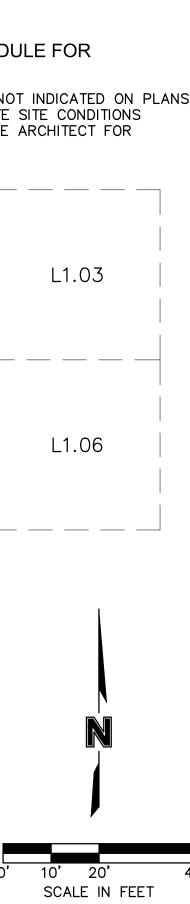
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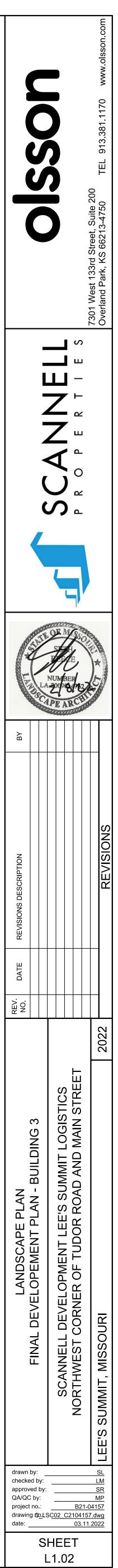
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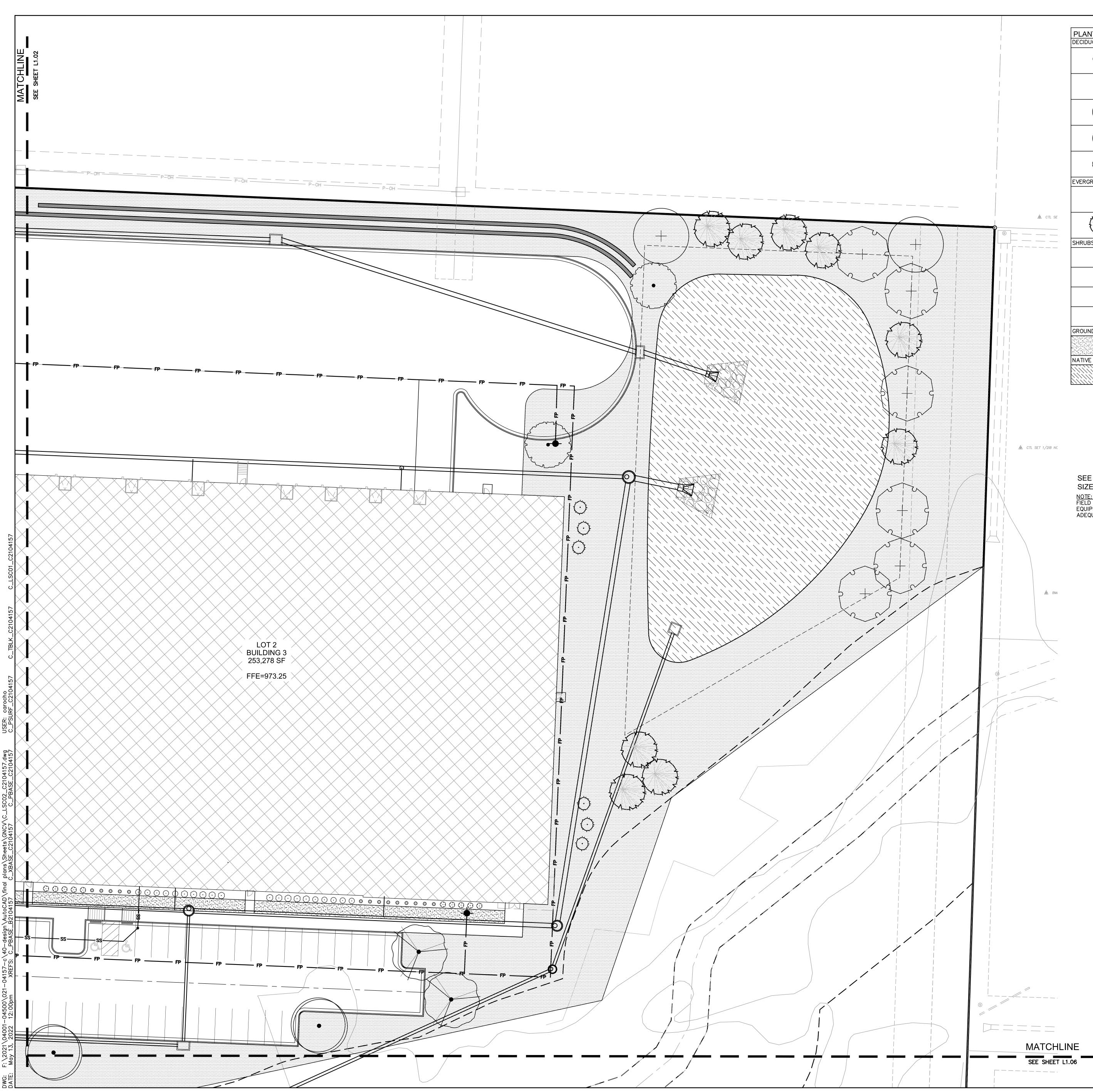
SEE SHEET L2.00 FOR COMPLETE PLANT SCHEDULE FOR SIZE AND TOTAL QUANTITIES.

	PLANT SCHEDULE L1.02				
	DECIDUOUS TREES	BOTANICAL / COMMON NAME	SIZE	С	
	$\bigcirc$	GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER' SHADEMASTER LOCUST	В&В	3	
	$\bigcirc$	QUERCUS BICOLOR SWAMP WHITE OAK	В&В	3	
	ORNAMENTAL TREES	BOTANICAL / COMMON NAME	SIZE	С	
		CERCIS CANADENSIS EASTERN REDBUD	В&В	3	
	SHRUBS	BOTANICAL / COMMON NAME	SIZE		
	$\odot$	BUXUS X 'GREEN VELVET' BOXWOOD	5 GAL		
	$\odot$	CORNUS STOLONIFERA 'FARROW' TM ARCTIC FIRE RED TWIG DOGWOOD	5 GAL		
$\mathbf{i}$	SUNVER ALL STREET	JUNIPERUS CHINENSIS 'SEA GREEN' SEA GREEN JUNIPER	5 GAL		
>	and the second sec	PANICUM VIRGATUM 'NORTH WIND' NORTHWIND SWITCH GRASS	1 GAL		
>	$\odot$	PHYSOCARPUS OPULIFOLIUS 'TINY WINE' TINY WINE NINEBARK	5 GAL		
$\times$	$\odot$	RHUS AROMATICA 'GRO-LOW' GRO-LOW FRAGRANT SUMAC	5 GAL		
$\sim$	$\langle \cdot \rangle$	VIBURNUM NUDUM 'WINTERTHUR' WINTERTHUR VIBURNUM	5 GAL		
	GROUND COVERS	BOTANICAL / COMMON NAME	CONT		
X		FESTUCA TURF TYPE TALL FESCUE BLEND	SOD		
$\stackrel{\frown}{\times}$	GROUND COVERS	FESTUCA		Γ	

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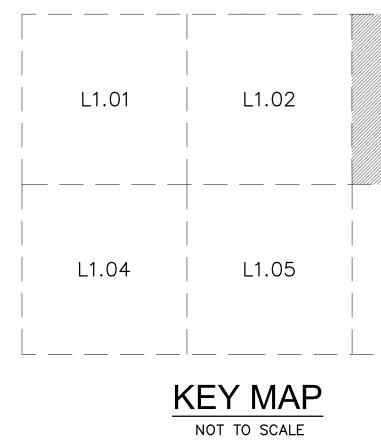


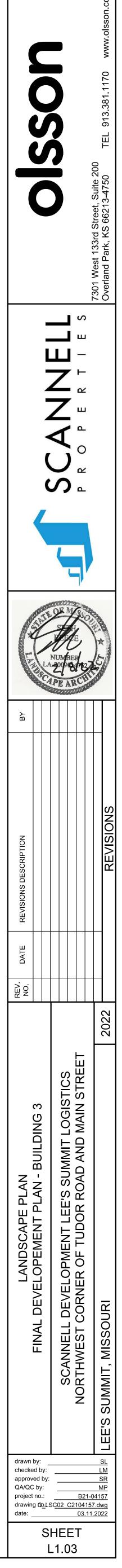


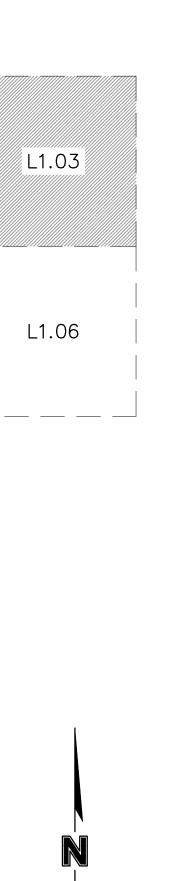
PLANT SCHEDUL	-E L1.03			
ECIDUOUS TREES	BOTANICAL / COMMON NAME	SIZE	CALIPER	QTY
	GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER' SHADEMASTER LOCUST	В & В	3"	2
+ c 2 cr	PLATANUS X ACERIFOLIA 'EXCLAMATION' TM EXCLAMATION LONDON PLANE TREE	В & В	3"	6
$\bigcirc$	QUERCUS BICOLOR SWAMP WHITE OAK	В & В	3"	2
+	QUERCUS MACROCARPA BURR OAK	В & В	3"	2
(•)	QUERCUS SHUMARDII SHUMARD RED OAK	В & В	3"	2
VERGREEN TREES	BOTANICAL / COMMON NAME	SIZE	CALIPER	QTY
$\bigcirc$	JUNIPERUS VIRGINIANA 'CANAERTII' CANAERTI JUNIPER	В&В, 8' НТ.		6
	PICEA ABIES NORWAY SPRUCE	B&B, 8' HT.		9
HRUBS	BOTANICAL / COMMON NAME	SIZE		
$\overline{\mathbf{\cdot}}$	BUXUS X 'GREEN VELVET' BOXWOOD	5 GAL		10
$\bigcirc$	CORNUS STOLONIFERA 'FARROW' TM ARCTIC FIRE RED TWIG DOGWOOD	5 GAL		10
June and a second second	PANICUM VIRGATUM 'NORTH WIND' NORTHWIND SWITCH GRASS	1 GAL		14
$\odot$	PHYSOCARPUS OPULIFOLIUS 'TINY WINE' TINY WINE NINEBARK	5 GAL		10
ROUND COVERS	BOTANICAL / COMMON NAME	CONT		
	FESTUCA TURF TYPE TALL FESCUE BLEND	SOD		
ATIVE VEGETATION	BOTANICAL / COMMON NAME	CONT		
	PANICUM VIRGATUM SWITCH GRASS	SEED		

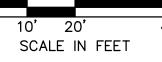
# SEE SHEET L2.00 FOR COMPLETE PLANT SCHEDULE FOR SIZE AND TOTAL QUANTITIES.

NOTE: ALL EQUIPMENT MUST BE SCREENED WHETHER OR NOT INDICATED ON PLANS. FIELD ADJUSTMENTS MAY BE NECESSARY TO ACCOMMODATE SITE CONDITIONS EQUIPMENT AND LANDSCAPE. COORDINATE WITH LANDSCAPE ARCHITECT FOR ADEQUATE SCREENING. MUST MEET CITY REQUIREMENTS.



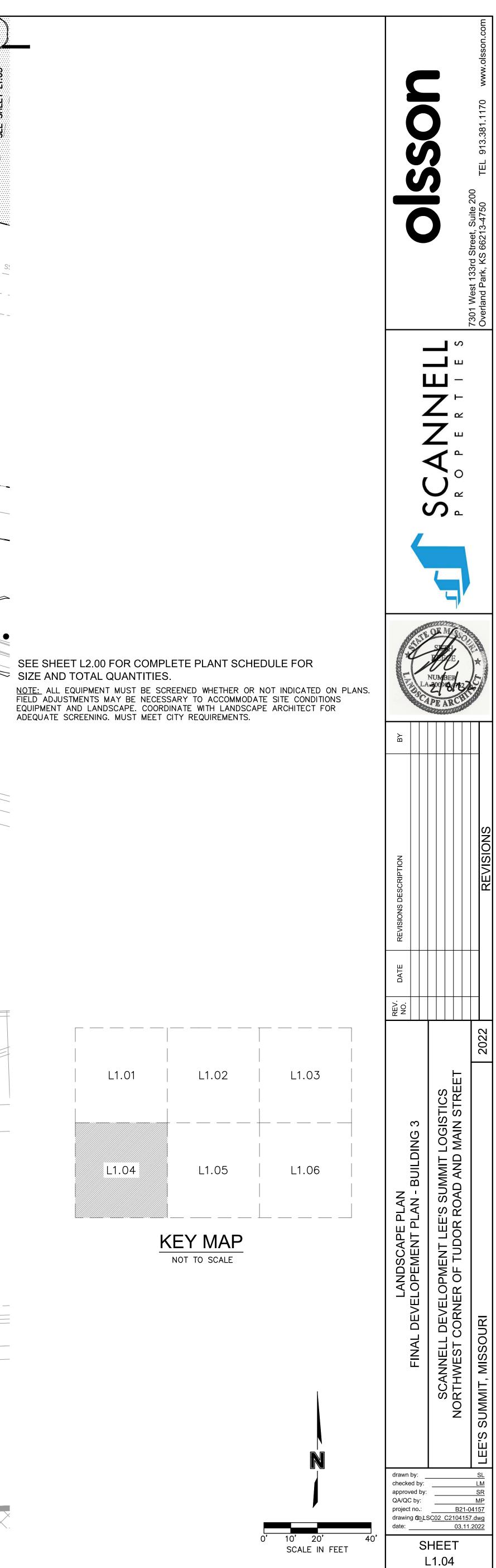


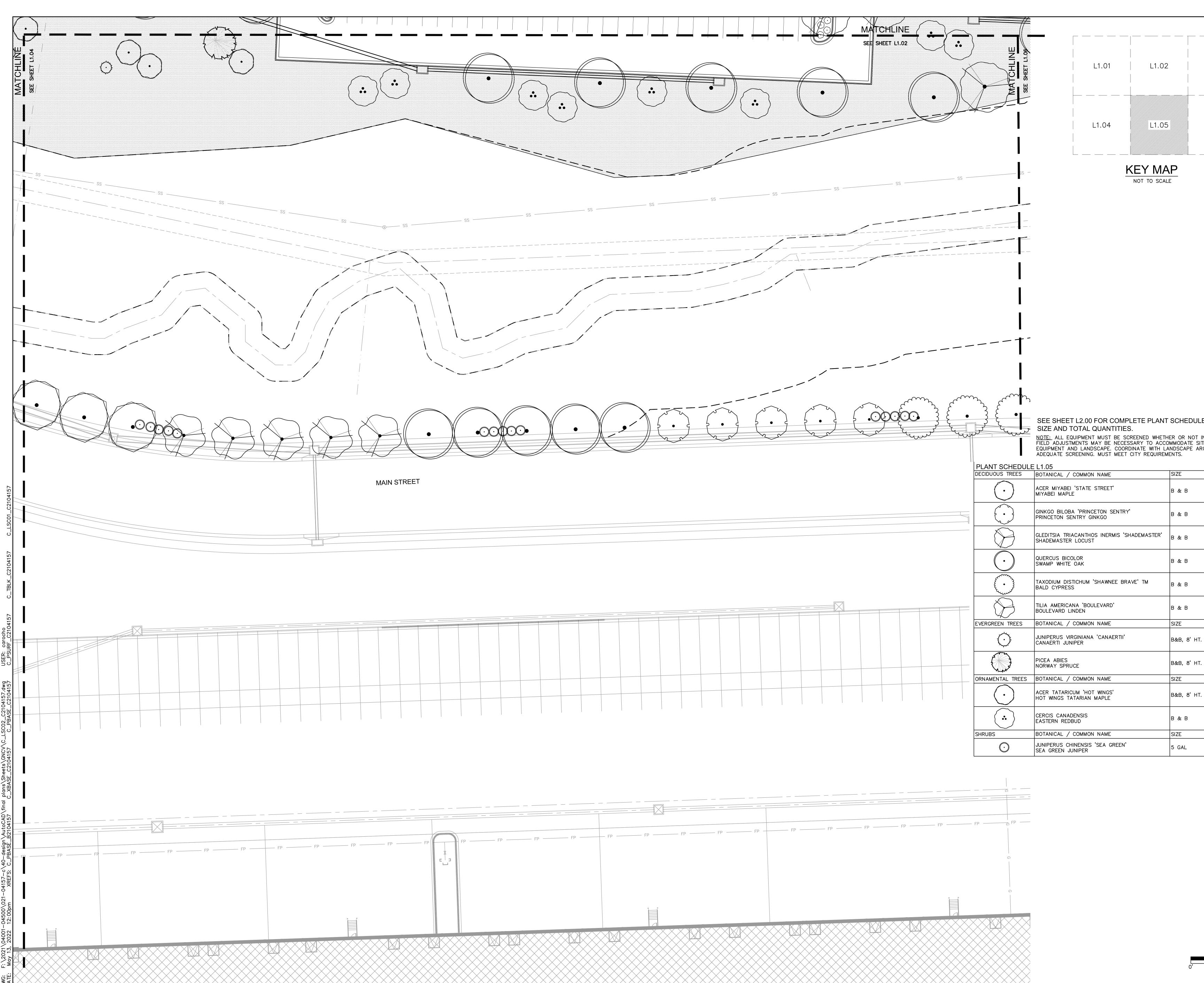




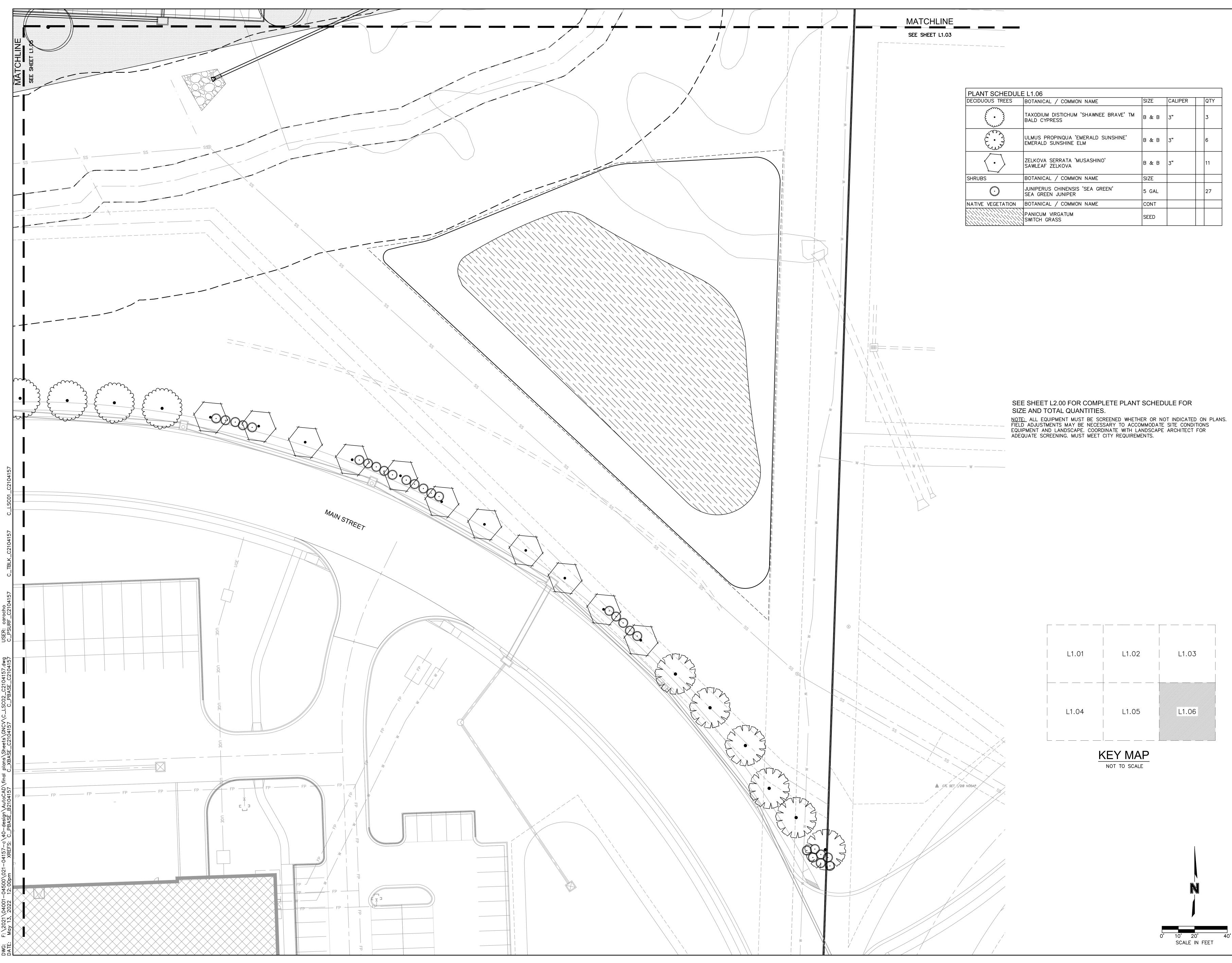
PLANT SCHEDULE L1.04							
DECIDUOUS TREES	BOTANICAL / COMMON NAME	SIZE	CALIPER	QTY			
$\odot$	ACER MIYABEI 'STATE STREET' MIYABEI MAPLE	B & B	3"	2			
	ZELKOVA SERRATA 'MUSASHINO' SAWLEAF ZELKOVA	В&В	3"	9			
EVERGREEN TREES	BOTANICAL / COMMON NAME	SIZE	CALIPER	QTY			
$\bigcirc$	JUNIPERUS VIRGINIANA 'CANAERTII' CANAERTI JUNIPER	B&B, 8' HT.		3			
SHRUBS	BOTANICAL / COMMON NAME	SIZE					
NUNUVULI II II II II JAAAAN	JUNIPERUS CHINENSIS 'SEA GREEN' SEA GREEN JUNIPER	5 GAL		10			



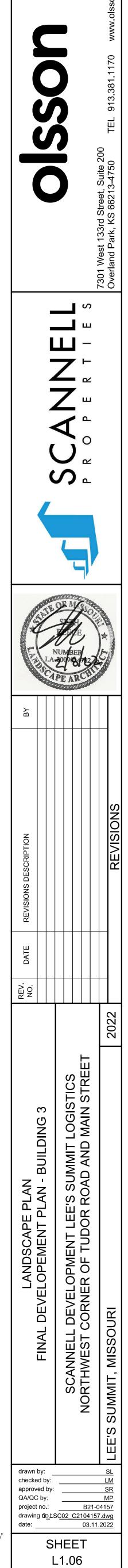


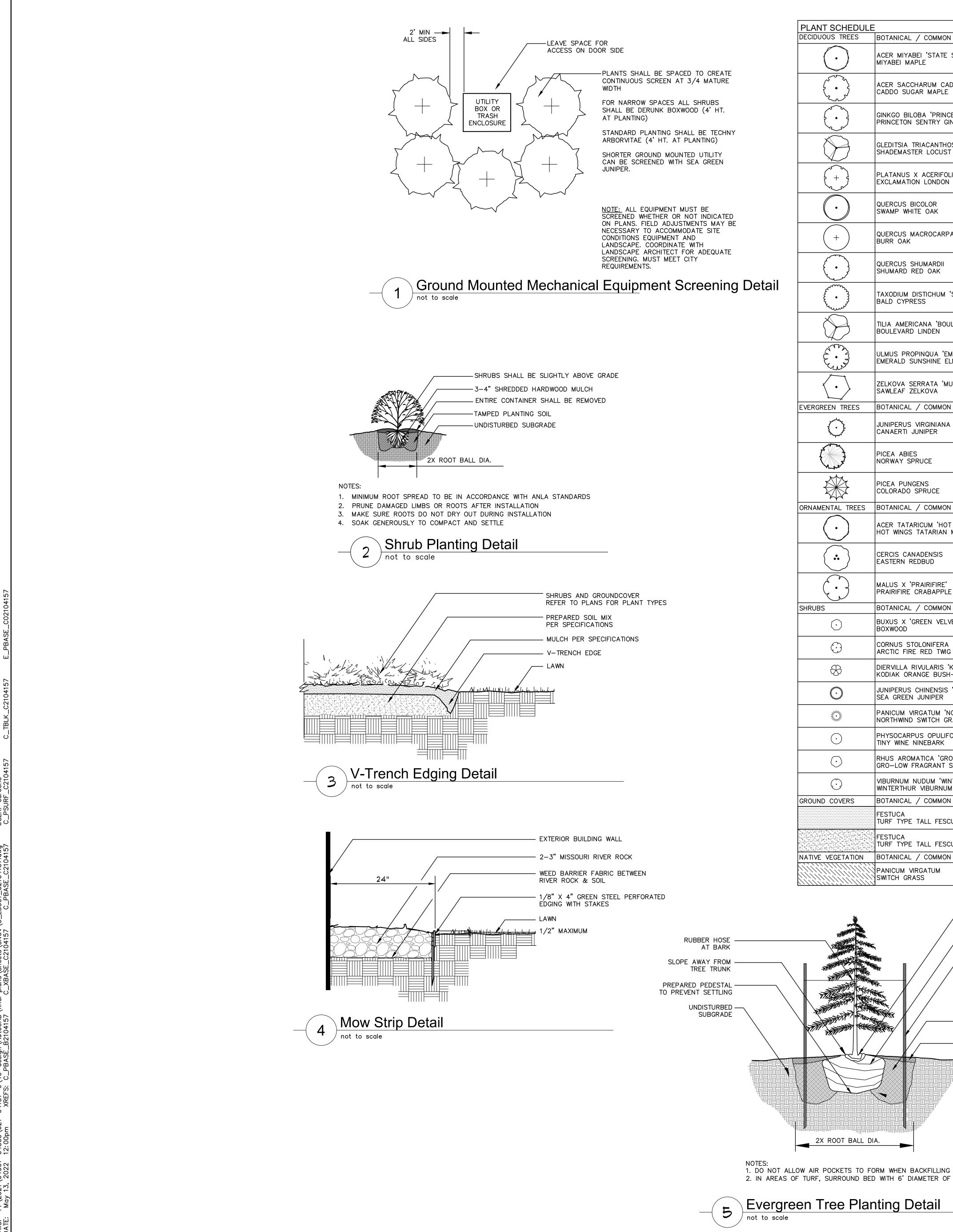


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FINAL DEVELOPEMENT PLAN - BUILDING 3		ALL CON		
SCANNELL DEVELOPMENT LEE'S SUMMIT LOGISTICS		PE ARC		
			- - - )	7301 West 133rd Street, Suite 200 Overland Dark KS 66213-4750 TEL 013 381 1170 www.olsson.com



CALIPER	QTY
3"	3
5 <b>"</b>	6
5"	11
	27





PLANT SCHEDUL	BOTANICAL / COMMON NAME	SIZE	CALIPER		QTY
$(\cdot)$	ACER MIYABEI 'STATE STREET' MIYABEI MAPLE	В & В	3"		8
	ACER SACCHARUM CADDO CADDO SUGAR MAPLE	В & В	3"		7
	GINKGO BILOBA 'PRINCETON SENTRY' PRINCETON SENTRY GINKGO	В & В	3"		10
	GLEDITSIA TRIACANTHOS INERMIS 'SHADEMASTER' SHADEMASTER LOCUST	В & В	3"		10
	PLATANUS X ACERIFOLIA 'EXCLAMATION' TM EXCLAMATION LONDON PLANE TREE	В & В	3"		6
$\overline{(\cdot)}$	QUERCUS BICOLOR SWAMP WHITE OAK	В & В	3"		22
+	QUERCUS MACROCARPA BURR OAK	В&В	3"		5
(·)	QUERCUS SHUMARDII SHUMARD RED OAK	В & В	3"		3
	TAXODIUM DISTICHUM 'SHAWNEE BRAVE' TM BALD CYPRESS	В & В	3"		12
	TILIA AMERICANA 'BOULEVARD' BOULEVARD LINDEN	В & В	3"		18
E	ULMUS PROPINQUA 'EMERALD SUNSHINE' EMERALD SUNSHINE ELM	В & В	3"		17
·	ZELKOVA SERRATA 'MUSASHINO' SAWLEAF ZELKOVA	В&В	3"		36
EVERGREEN TREES	BOTANICAL / COMMON NAME	SIZE	CALIPER		QTY
$\bigcirc$	JUNIPERUS VIRGINIANA 'CANAERTII' CANAERTI JUNIPER	B&B, 8' HT.			13
	PICEA ABIES NORWAY SPRUCE	B&B, 8' HT.			19
	PICEA PUNGENS COLORADO SPRUCE	B&B, 8' HT.			6
ORNAMENTAL TREES	BOTANICAL / COMMON NAME	SIZE	CALIPER		QTY
$\bigcirc$	ACER TATARICUM 'HOT WINGS' HOT WINGS TATARIAN MAPLE	B&B, 8' HT.			6
	CERCIS CANADENSIS EASTERN REDBUD	B & B	3"		11
	MALUS X 'PRAIRIFIRE' PRAIRIFIRE CRABAPPLE	В & В	3"		10
SHRUBS	BOTANICAL / COMMON NAME BUXUS X 'GREEN VELVET'	SIZE			
	CORNUS STOLONIFERA 'FARROW' TM	5 GAL			30
$\bigcirc$	ARCTIC FIRE RED TWIG DOGWOOD	5 GAL			20
Summering	KODIAK ORANGE BUSH-HONEYSUCKLE	5 GAL			10
Will the second	SEA GREEN JUNIPER PANICUM VIRGATUM 'NORTH WIND'	5 GAL			184
37mm K	NORTHWIND SWITCH GRASS PHYSOCARPUS OPULIFOLIUS 'TINY WINE'	5 GAL			30
	TINY WINE NINEBARK RHUS AROMATICA 'GRO-LOW'				33
$\odot$	GRO-LOW FRAGRANT SUMAC	5 GAL			
	WINTERTHUR VIBURNUM	5 GAL			30
GROUND COVERS	BOTANICAL / COMMON NAME FESTUCA TURF TYPE TALL FESCUE BLEND	CONT SEED		SPACING	161,516 SF
	FESTUCA TURF TYPE TALL FESCUE BLEND	SOD			25,466 SF
NATIVE VEGETATION	BOTANICAL / COMMON NAME	CONT		SPACING	<b></b>
	PANICUM VIRGATUM SWITCH GRASS	SEED			64,158 SF

2. IN AREAS OF TURF, SURROUND BED WITH 6' DIAMETER OF MULCH

### PLANTING NOTES

- 1. ALL WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES.
- LOCATE AND FLAG ALL UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL PROTECT EXISTING OVERHEAD AND UNDERGROUND UTILITIE DAMAGE TO SUCH SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE OWNER.
- PLANTS AND OTHER MATERIALS ARE QUANTIFIED AND SUMMARIZED FOR THE CO OF THE CITY AND LOCAL GOVERNING BODIES. CONFIRM AND INSTALL SUFFICIEN QUANTITIES TO COMPLETE THE WORK AS DRAWN.
- 4. PLAN IS SUBJECT TO CHANGES BASED ON PLANT SIZE AND MATERIAL AVAILABI CHANGES OR SUBSTITUTIONS MUST BE APPROVED BY THE CITY OF LEE'S SUMM THE LANDSCAPE ARCHITECT.
- ALL PLANT MATERIAL SHALL BE NURSERY GROWN TO MEET MINIMUM SIZE AS THE AMERICAN STANDARD FOR NURSERY STOCK ESTABLISHED BY THE AMERICA & LANDSCAPE ASSOCIATION (ANLA). THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL NOT SPECIFICATIONS.
- 6. ALL TREES SHALL BE CALIPERED AND ANY UNDERSIZED TREES SHALL BE REJE SPECIFIED CALIPER MEASUREMENT FOR TREES SHALL BE MEASURED AT 12" AB( GRADE.
- 7. PLANTING OF TREES, SHRUBS, SODDED AND SEEDED TURFGRASS SHALL BE COM DURING EITHER THE SPRING (MARCH 15-JUNE 15) OR FALL (SEPTEMBER 1 -PLANTING SEASON AND WITH WATER AVAILABLE FOR IRRIGATION PURPOSES.
- CONTRACTOR SHALL STAKE OR MARK ALL PLANT MATERIAL LOCATIONS PRIOR INSTALLATION. CONTRACTOR SHALL HAVE THE LANDSCAPE ARCHITECT APPROVE STAKING PRIOR TO INSTALLATION. FIELD ADJUSTMENTS MAY BE NECESSARY BAY FIELD CONDITIONS (I.E. ROOT BALL AND DROP INLET CONFLICT). ALL ADJUSTM BE APPROVED BY THE LANDSCAPE ARCHITECT.
- 9. THE LANDSCAPE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND INJURIOUS TO PLANT GROWTH FROM PLANTING PITS AND BEDS PRIOR TO BACKI PLANTING MIX.
- 10. A PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL SHRUB BEDS PRIOR INSTALLATION OF ANY PLANT MATERIAL.
- 11. BACKFILL ALL PLANTING BEDS TO A MINIMUM 12-INCH DEPTH WITH PLANTING PLANTING SOIL MIX SHALL CONSIST OF ONE (1) PART PERLITE, ONE (1) PART AND TWO (2) PARTS CLEAN LOAM TOPSOIL. THOROUGHLY MIX PLANTING SOIL COMPONENTS PRIOR TO PLACEMENT.
- 12. ALL LANDSCAPE PLANTING AREAS, EXCLUDING TURF AREAS SHALL BE MULCHED MINIMUM OF 3-4" SHREDDED HARDWOOD MULCH UNLESS OTHERWISE NOTED ON 13. V-TRENCH LANDSCAPE EDGING IS TO BE USED ON ALL LANDSCAPE BEDS ABU
- SODDED AREAS. 14. ALL LANDSCAPE AREAS SHALL BE IRRIGATED WITH A HIGH-EFFICIENCY. AUTOM IRRIGATION SYSTEM ACHIEVING 100% EVEN COVERAGE OF ALL LANDSCAPE AREA IRRIGATION SYSTEM SHALL BE DESIGN-BUILD TO MEET ALL CITY REQUIREMENTS
- 15. LANDSCAPE CONTRACTOR IS TO BE RESPONSIBLE FOR WATERING ALL PLANT MA UNTIL THE TIME THE PERMANENT IRRIGATION SYSTEM IS FULLY FUNCTIONAL AND ACCEPTANCE OF THE PROJECT HAS TAKEN PLACE. ANY MATERIAL WHICH DIES. DEFOLIATES (PRIOR TO ACCEPTANCE OF THE WORK) WILL BE PROMPTLY REMOV REPLACED.
- 16. THE CONTRACTOR WILL COMPLETELY GUARANTEE ALL WORK FOR A PERIOD OF BEGINNING AT THE DATE OF ACCEPTANCE. CONTRACTOR WILL MAKE ALL REPLA PROMPTLY (AS PER DIRECTION OF OWNER).

### SODDING NOTES

- ALL DISTURBED AREAS SHALL BE SODDED WITH TURF-TYPE TALL FESCUE SOD MINIMUM OF 3 CULTIVARS.
- 2. ALL LAWN AREAS SHALL RECEIVE A MINIMUM 6-INCH DEPTH OF TOPSOIL COMF 85% MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.
- 3. THE ENTIRE SURFACE TO BE SODDED SHALL BE REASONABLY SMOOTH AND FRI STONES, ROOTS, OR OTHER DEBRIS.
- 4. SOD SHALL BE MACHINE STRIPPED AT A UNIFORM SOIL THICKNESS OF APPROX ONE INCH (PLUS OR MINUS 1/4-INCH). THE MEASUREMENT FOR THICKNESS SH EXCLUDE TOP GROWTH AND THATCH. AND SHALL BE DETERMINED AT THE TIME CUTTING IN THE FIELD. PRECAUTIONS SHALL BE TAKEN TO PREVENT DRYING A SOD DAMAGED BY HEAT AND DRY CONDITIONS, AND SOD CUT MORE THAN 18 BEFORE BEING INCORPORATED INTO THE WORK SHALL NOT BE USED.
- HANDLING OF SOD SHALL BE DONE IN A MANNER THAT WILL PREVENT TEARING DRYING AND OTHER DAMAGE. PROTECT EXPOSED ROOTS FROM DEHYDRATION. DELIVER MORE SOD THAN CAN BE LAID WITHIN 24 HOURS.
- MOISTEN PREPARED SURFACE IMMEDIATELY PRIOR TO LAYING SOD. WATER TH AND ALLOW SURFACE TO DRY BEFORE INSTALLING SOD. FERTILIZE, HARROW OF FERTILIZER IN THE TOP 1-1/2-INCHES OF TOPSOIL, AT A UNIFORM RATE OF OF NITROGEN PER 1000 S.F.
- 7. SOD SHALL BE CAREFULLY PLACED IN THE DIRECTION PARALLEL WITH THE SL AREA TO BE SODDED. SOD STRIPS SHALL BE BUTTED TOGETHER BUT NOT OV WITH THE SEAMS STAGGERED ON EACH ROW.
- 8. FERTILIZER SHALL BE 20-10-5 COMMERCIAL FERTILIZER OF THE GRADE, TYPE, SPECIFIED AND SHALL COMPLY WITH THE RULES OF THE STATE OF MISSOURI AGRICULTURE. FERTILIZER SHALL BE IDENTIFIED ACCORDING TO THE PERCENT THAT ORDER.
- 9. ALL SOD ON SLOPES GREATER THAN 5:1 AND WITHIN DETENTION AREAS SHALL STAKED.
- 10. SATURATE SOD WITH FINE WATER SPRAY WITHIN TWO HOURS OF PLANTING. WEEK AFTER PLANTING, WATER DAILY OR MORE FREQUENTLY AS NECESSARY MOIST SOIL TO A MINIMUM DEPTH OF FOUR INCHES BELOW SOD.
- 11. CONTRACTOR SHALL PROVIDE FULL MAINTENANCE FOR SODDED TURF GRASS F OF 30 DAYS AFTER THE DATE OF FINAL ACCEPTANCE. AT THE END OF THE MAINTENANCE PERIOD, A HEALTHY, WELL-ROOTED, EVEN-COLORED, VIABLE TU ESTABLISHED. THE TURF GRASS SHALL BE FREE OF WEEDS, OPEN JOINTS, BA AND SURFACE IRREGULARITIES.

PLANT WITH ROOT FLARE LEVEL WITH

SURROUNDING SOIL — ALL ROPES AND BURLAP

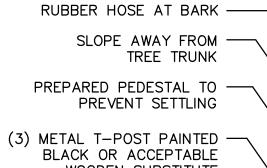
TO BE REMOVED FROM TOP 1/4 OF ROOT BALL

(3) METAL T-POST PAINTED BLACK OR ACCEPTABLE

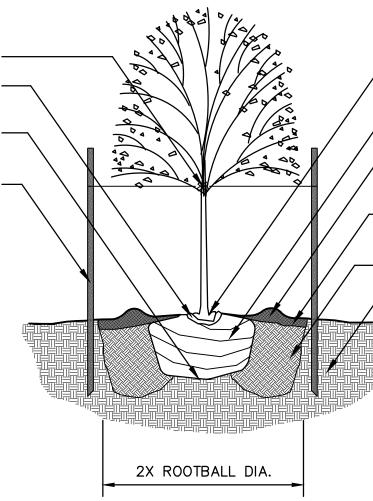
WOODEN SUBSTITUTE TRIANGULAR SPACING. ALL POSTS SHALL BE REMOVED WITHIN 1-2 GROWING SEASONS

- TAMPED FILL SOIL FROM PLANTING HOLE

- 3-4" MULCH. MULCH SHOULD NOT BE PLACED NEXT TO THE TREE TRUNK



WOODEN SUBSTITUTE TRIANGULAR SPACING. ALL POSTS SHALL BE REMOVED WITHIN 1-2 GROWING SEASONS



- PLANT WITH ROOT FLAF SURROUNDING SOIL -ALL ROPES AND BURL

REMOVED.

-4" EARTH SAUCER BEY EDGE OF ROOT BALL.

— 3–4" MULCH. MULCH BE PLACED NEXT TO

- FILL SOIL FROM PLAN — UNDISTURBED SUBGRA

NOTES: 1. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING

2. IN AREAS OF TURF, SURROUND BED WITH 6' DIAMETER OF MULCH

Deciduous Tree Planting Detail

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