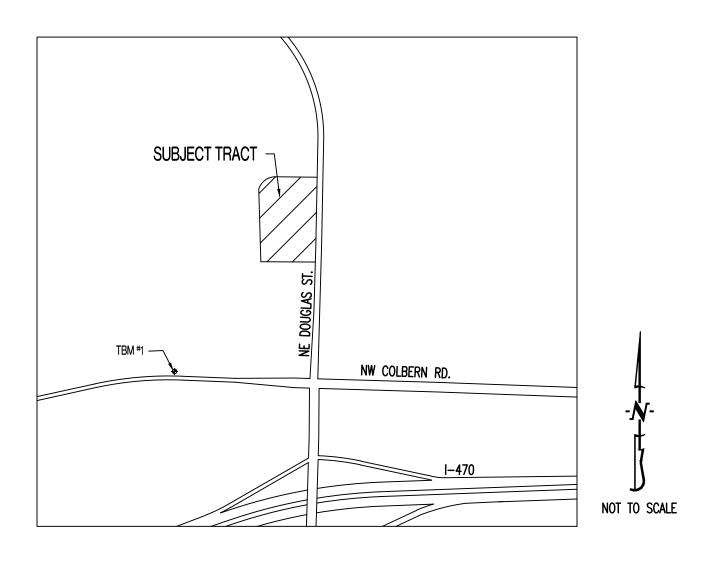
HOME2 SUITES BY HILTON

LOCATION MAP



PROJECT BENCHMARK:

TBM #1 - CONTROL POINT #50 SET BY OLSSON. 1/2" IMBEDDED CAP ON NORTH SIDE OF NW COLBERN RD. LOCATED AT 1ST FIELD ENTRANCE.

NORTHING = 1012389.819EASTING = 2822108.784

REFER TO "PRIVATE SITE DEVELOPMENT PLANS FOR THE VILLAGE AT DISCOVERY PARK ZONE 1" PLANS BY OLSSON DATED 10/18/2023 FOR MORE INFORMATION.

FLOOD PLAIN STATEMENT:

THIS LOT IS LOCATED IN ZONE X UNSHADED - AREAS DETERMINED TO BE OUTSIDE THE 1% ANNUAL CHANCE FLOOD AS SHOWN ON THE FEMA F.I.R.M. PANEL #29095C0409G, DATED JANUARY 20, 2017.

LEGAL DESCRIPTION:

VILLAGE AT DISCOVERY PARK, LOT 2. A SUBDIVISION IN JACKSON COUNTY, LEE'S SUMMIT, MISSOURI.

UTILITY COMPANIES:

LOCATES: MISSOURI ONE CALL INC. 1022 B NORTHEAST DRIVE

TELEPHONE:





800-286-8313

NATURAL GAS: 314-342-0500

WATER/SANITARY SEWER: CITY OF LEE'S SUMMIT WATER UTILITIES DEPARTMENT 1200 S HAMBLEN RD LEE'S SUMMIT, MO 64081 816-969-1900

FIBER: **GOOGLE FIBER** 877-454-6959

ELECTRIC:

816-524-3223

EVERGY

CABLE TELEVISION: 877-772-2253

GENERAL NOTES:

ALL STREET, STORM DRAIN, AND SANITARY SEWER CONSTRUCTION TO BE IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT "DESIGN AND CONSTRUCTION MANUAL" (CURRENT EDITION).

ANY CITY DETAILS SHOWN ON THIS SET OF PLANS ARE FOR REFERENCE ONLY. CONTRACTOR TO HAVE A COPY OF THE CITY'S LATEST EDITION OF SPECIFICATIONS AND STANDARDS FOR ALL STREET, STORM, AND SANITARY CONSTRUCTION ON SITE AT ALL TIMES DURING CONSTRUCTION. REFER TO https://cityofls.net/development-services/design/design-criteria/design-construction-manual-infrastructure

ALL CONCRETE PAVEMENT SHALL CONFORM TO KCMMB STANDARDS AND SPECIFICATIONS.

CONTRACTOR WILL BE RESPONSIBLE FOR PLACEMENT AND MAINTENANCE OF TRAFFIC CONTROL DEVICES NECESSARY TO COMPLETE THEIR PORTION OF WORK. THE DEVICES AND METHODS EMPLOYED WILL COMPLY WITH THE CURRENT VERSION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

THIS PLAT CONTAINS APPROXIMATELY 2.28 ACRES.

THIS TRACT IS ZONED PMIX.

THE STORM SEWER NETWORK DESIGN FOR THIS PROJECT IS BASED ON OPEN CHANNEL FLOW; THEREFORE THE HYDRAULIC GRADE LINE IS AT OR LESS THAN THE CROWN OF THE PIPE.

EXISTING UTILITIES SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE LOCATES (HORIZONTAL AND VERTICAL) PRIOR TO

ALL EXCAVATION TO BE IN ACCORDANCE WITH SECTIONS 319.010-319.050, REVISED STATUTES OF THE STATE OF MISSOURI. SUCH COMPLIANCE SHALL NOT, HOWEVER, EXCUSE ANY PERSON MAKING ANY EXCAVATION FROM DOING SO IN A CAREFUL AND PRUDENT MANNER, NOR SHALL IT EXCUSE SUCH PERSON FROM LIABILITY FOR ANY DAMAGE OR INJURY TO UNDERGROUND UTILITIES RESULTING

A GEOTECHNICAL EVALUATION OF THE SUBSURFACE SOIL, GROUNDWATER CONDITIONS, AND A SLOPE STABILITY ANALYSIS HAS NOT BEEN PERFORMED BY THIS ENGINEER. THE OWNER SHALL SATISFY THEMSELVES OF ALL GEOTECHNICAL CONDITIONS PRIOR TO ANY CONSTRUCTION.

ALL LAND DISTURBANCE ACTIVITIES SHALL BE IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT CODE OF ORDINANCES. REFER TO STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR NARRATIVE REPORT AND BMP DESCRIPTIONS AND DETAILS.

ALL SLOPES ARE 3:1 OR FLATTER UNLESS OTHERWISE NOTED.

IT IS THE INTENT OF THESE PLANS TO COMPLY WITH THE REQUIREMENTS OF THE MoDNR CLEAN WATER COMMISSION.

ALL DISTURBED AREAS WITHIN THE "LIMITS OF DISTURBANCE" SHALL BE FINE GRADED, SEEDED, AND MULCHED.

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL DEVICES AND REMOVING THEM ONCE THE SITE IS

ALL HDPE PIPE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. REFER TO DETAIL FOR PIPE BEDDING REQUIREMENTS.

IN ORDER TO TERMINATE A STATE OPERATING PERMIT THE MISSOURI DEPARTMENT OF NATURAL RESOURCES (MDNR) REQUIRES THAT THE PERMITTEE SUBMIT A COMPLETED FORM H (INCLUDED WITH THE APPROVAL PERMIT) TO THE MDNR. A PERMIT IS ELIGIBLE FOR TERMINATION WHEN EITHER PERENNIAL VEGETATION, PAVEMENT, BUILDINGS, OR STRUCTURES USING PERMANENT MATERIALS COVER ALL AREAS THAT HAVE BEEN DISTURBED. VEGETATIVE COVER SHALL BE AT LEAST 70% OF FULLY ESTABLISHED PLANT DENSITY OVER 100% OF THE DISTURBED AREA. A COPY OF FORM H SHOULD BE SUBMITTED TO THE CITY AT WHICH TIME THE CITY WILL REMOVE THE PROJECT FROM ITS INSPECTION SCHEDULE.

LAND DISTURBANCE SITES SHOULD BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 48 HOURS AFTER ANY STORM EVENT EQUAL TO OR GREATER THAN A 2-YEAR, 24-HOUR STORM HAS CEASED DURING A NORMAL WORK DAY OR WITHIN 72 HOURS IF THE RAIN EVENT CEASES DURING A NON-WORK DAY SUCH AS A WEEKEND OR HOLIDAY. ANY DEFICIENCIES SHALL BE NOTED IN A WEEKLY REPORT OF THE INSPECTION AND CORRECTED WITHIN SEVEN CALENDAR DAYS OF THE REPORT. CONTRACTORS ARE REQUIRED TO SUBMIT TO CITY INSPECTION STAFF COPIES OF THEIR INSPECTION REPORTS REQUIRED BY THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) ON A MONTHLY BASIS IF REQUESTED.

NO OIL AND GAS WELLS EXIST ON THIS TRACT ACCORDING TO THE MISSOURI DEPARTMENT OF NATURAL RESOURCES OIL AND GAS

THE CONTRACTOR SHALL CONTACT THE CITY'S DEVELOPMENT SERVICES ENGINEERING INSPECTION TO SCHEDULE A PRE-CONSTRUCTION MEETING WITH A FIELD ENGINEERING INSPECTOR PRIOR TO ANY LAND DISTURBANCE WORK AT (816)-969-1200. TOTAL DISTURBED AREA ON SITE = 2.61 AC.

MISSOURI DNR LAND DISTURBANCE PERMIT NUMBER TBD.

DEVELOPER:

DISCOVERY PARK LEE'S SUMMIT, LLC. 4220 PHILLIPS FARM RD. COLUMBIA, MO 65201 573-615-2252

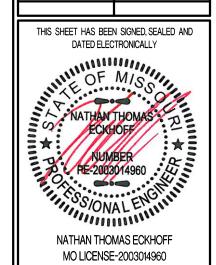
SHEET NUMBER	SHEET TITLE	ORIGINAL 04/04/24	CITY COMMENTS 05/10/24	CITY COMMENTS 06/14/24
CE 1.0	COVER SHEET	Χ	X	X
CE 1.1	PROJECT SPECIFICATIONS	X		
CE 2.1	EROSION CONTROL PLAN	X		
CE 2.2	EROSION CONTROL DETAILS	X		
CE 3.0	OVERALL GRADING PLAN	X		
CE 3.1	GRADING PLAN SHEET 1	X		X
CE 3.2	GRADING PLAN SHEET 2	X	X	X
CE 3.3	GRADING PLAN SHEET 3	X		
CE 3.4	GRADING PLAN SHEET 4	X	X	
CE 4.1	UTILITY PLAN	X	X	X
CE 5.1	STORM PROFILE AND DETAILS	X	X	
CE 5.2	STORM DETAILS CONT.	X		
CE 5.3	STORM CALCULATIONS		X	
CE 6.1	SITE PLAN	X	X	X
CE 7.1	DETAILS SHEET 1	X		
CE 7.2	DETAILS SHEET 2	X		X
CE 7.3	LEE'S SUMMIT SITE DETAILS		X	
CE 7.4	LEE'S SUMMIT UTILITY DETAILS		X	
CE 8.1	LANDSCAPE PLAN	Χ	Χ	

LEGEND OF SYMBOLS:

	EXISTING CURB	FF=XXX.X	FINISHED FLOOR OF STRUCTURE
	PROPOSED CURB	(XXX.XX TC)	PROPOSED TOP OF CURB ELEVATION
	RIP RAP	(XXX.XX TP)	PROPOSED TOP OF PAVEMENT ELEVATION
	EXISTING STRUCTURE	(XXX.XX FG)	PROPOSED FINISHED GRADE ELEVATION
	EXISTING TREELINE	(XXX.XX TW)	PROPOSED TOP OF WALL
~~~~	PROPOSED TREELINE	$(\chi\chi)$	LOT NUMBER
000	EDGE OF WATERWAY		
— — W — —	EXISTING WATERLINE	$\langle X \rangle$	STORM SEWER STRUCTURE LABEL
——— W ———	PROPOSED WATERLINE	V	CANITADY OFFICE CTRUCTURE LARGE
—— G ——	EXISTING GAS LINE	X	SANITARY SEWER STRUCTURE LABEL
	PROPOSED GAS LINE	H.P.	HIGH POINT
T	EXISTING TELEPHONE	L.P.	LOW POINT
— — — F0 — — —	EXISTING FIBER OPTIC	<del></del>	EXISTING SIGNS
—— OE ——	EXISTING OVERHEAD ELECTRIC	Ø	EXISTING POWER POLE
— — — UE — — —	EXISTING UNDERGROUND ELECTRIC	~ SV	EXISTING GAS VALVE
——— UE ———	PROPOSED UNDERGROUND ELECTRIC	$\bowtie$	EXISTING WATER VALVE
—— OETV ——	EXISTING OVERHEAD ELEC. & TV	©	EXISTING GAS METER
— — OETVT — —	EXISTING OVERHEAD ELEC., TV & TELE.	W	EXISTING WATER METER
—— s ——	EXISTING SANITARY SEWER	A	EXISTING FIRE HYDRANT
—— s ——	PROPOSED SANITARY SEWER	<b>°</b>	MANHOLE
XXX	EXISTING MINOR CONTOUR		EXISTING SANITARY SEWER LATERAL
	EXISTING MAJOR CONTOUR		PROPOSED SANITARY SEWER LATERAL
XXX	PROPOSED MINOR CONTOUR	(B)	PROPOSED TRACER WIRE TEST STATION BOX
XXX	PROPOSED MAJOR CONTOUR	AC	EXISTING AIR CONDITIONER
	100 YEAR FLOOD PLAIN		EXISTING TELEPHONE PEDESTAL
	FLOODWAY		EXISTING ELECTRICAL TRANSFORMER
··	ORDINARY HIGH WATER MARK	E	EXISTING ELECTRIC METER
	STREAM SIDE BUFFER	¤	EXISTING LIGHT POLE
	OUTER STREAM BUFFER		EXISTING CLIV WIPE

EXISTING GUY WIRE

REVISIONS:	
NO.	DATE
_ ORIGINAL	04/04/2024
∤ REV. 1	05/10/2024
72 \ REV. 2	06/14/2024





DRAWING INCLUDES:

**COVER SHEET** 

DESIGNED:

DRAWN: NMD PROJECT NO.: 230286

CE 1.0

CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS REGARDING MATERIALS, METHODS OF WORK, AND DISPOSAL OF EXCESS WASTE MATERIALS.

ERECT BARRIERS TO PROTECT PERSONNEL, STRUCTURES AND UTILITIES REMAINING INTACT.

PROTECT ALL EXISTING OBJECTS INTENDED TO REMAIN. IN CASE OF DAMAGE, MAKE REPAIRS OR REPLACEMENTS NECESSARY AT NO ADDITIONAL COST TO THE OWNER.

MINIMIZE INTERFERENCE WITH ROADS, STREETS, DRIVEWAYS, SIDEWALKS, AND ADJACENT FACILITIES.

DO NOT CLOSE OR OBSTRUCT STREETS, SIDEWALKS, ALLEYS OR PASSAGEWAYS WITHOUT PERMISSION FROM AUTHORITIES HAVING JURISDICTION.

IF CLOSURE IS PERMITTED, PROVIDE SIGNAGE INDICATING CLOSURE AND SIGNAGE TO DIRECT TRAFFIC TO ALTERNATE ROUTE.

MOISTEN SURFACES AS REQUIRED TO PREVENT DUST FROM BEING A NUISANCE TO THE PUBLIC, NEIGHBORS, AND CONCURRENT PERFORMANCE OF OTHER WORK ON THE SITE.

PROVIDE THE OWNER'S REPRESENTATIVE A MINIMUM OF TWO BUSINESS DAYS' NOTICE PRIOR TO COMMENCING WORK OF THIS SECTION.

THE CONTRACTOR SHALL LOCATE EXISTING UTILITY LINES AND SERVICES TRAVERSING THE SITE AND DETERMINE THE REQUIREMENTS FOR THEIR

BEFORE STARTING SITE OPERATIONS, THE CONTRACTOR SHALL DISCONNECT OR ARRANGE FOR THE DISCONNECTION OF ALL UTILITY SERVICES DESIGNATED TO BE REMOVED. THE CONTRACTOR SHALL PERFORM ALL SUCH WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE UTILITY COMPANY OR AGENCY INVOLVED

IN REMOVING PAVEMENT, CURB AND GUTTER, SIDEWALKS, ETC., WHERE A PORTION IS LEFT IN PLACE, REMOVAL SHALL BE TO AN EXISTING JOINT OR TO A JOINT SAWED TO A MINIMUM DEPTH OF 2" WITH A TRUE SAW LINE AND A VERTICAL FACE. REMOVE SUFFICIENT PAVEMENT TO PROVIDE FOR PROPER GRADE AND CONNECTIONS IN THE NEW WORK REGARDLESS OF ANY LIMITS INDICATED ON THE DRAWING.

EXISTING CASTINGS AND CULVERTS, IF SALVAGEABLE AND REMOVED INTACT, REMAIN THE PROPERTY OF THE CONTRACTOR.

PROTECTION. THE CONTRACTOR SHALL PRESERVE ACTIVE UTILITIES ON THE SITE THAT ARE DESIGNATED TO REMAIN.

ALL SEWERS AND DRAINAGE PIPES, WHICH HAVE BEEN OR ARE TO BE ABANDONED, SHALL BE PERMANENTLY SEALED AT THE ENDS WITH BULKHEADS CONSTRUCTED OF CONCRETE, HAVING A MINIMUM THICKNESS OF 8".

ABANDON STORM OR SANITARY SEWER STRUCTURES BY BREAKING THE CONCRETE BOTTOM OF THE STRUCTURE INTO PIECES NO LARGER THAN 12" IN ANY DIRECTION AND REMOVING THE TOP OF THE STRUCTURE TO 3" BELOW FINISHED GRADE. PLUG ALL PIPES WITH CONCRETE AND FILL STRUCTURE WITH 1" CLEAN GRAVEL.

ALL DEBRIS SHALL BE DISPOSED OF OFF-SITE

DO NOT STORE OR BURN MATERIALS ON-SITE UNLESS PERMITTED BY THE GOVERNING JURISDICTION.

ALL ASPHALT OR CONCRETE MATERIALS SHALL BE DISPOSED OF OFF-SITE.

MATERIAL ACQUIRED THROUGH DEMOLITION, OTHER THAN THOSE REQUIRED TO COMPLETE THE CONSTRUCTION PROJECT AND DESIGNATED FOR RETURN TO OWNER, WILL BECOME THE PROPERTY OF THE CONTRACTOR AND WILL BE REMOVED FROM THE SITE. THE MATERIAL WILL BE DISPOSED OF IN A LEGAL MANNER.

THE CONTRACTOR'S OPERATIONS SHALL BE RESTRICTED TO THOSE AREAS INSIDE THE CONSTRUCTION LIMITS INDICATED ON THE DRAWINGS. IF LIMITS ARE NOT INDICATED, RESTRICT WORK TO THE OWNER'S PROPERTY, EASEMENT, OR PUBLIC RIGHTS-OF-WAY.

COMPLETE WORK WITHIN PUBLIC RIGHTS-OF-WAY UNDER THE PERMISSION OF THE GOVERNING AGENCY.

IF ITEMS OUTSIDE THE LIMITS OF DISTURBANCE GET DAMAGED, OWNER COMPLETES THE REQUIRED REPAIRS AND CHARGES THE CONTRACTOR.

THE CONTRACTOR IS RESPONSIBLE FOR THE ADJUSTMENT OF ALL MANHOLES, CASTINGS, WATER VALVES IRRIGATION BOXES, CLEAN OUTS AND ETC. WITHIN THE GRADING LIMITS TO MATCH THE FINISHED SURFACE. ADJUSTMENTS SHALL BE COORDINATED WITH THE UTILITY COMPANIES AND THE COST FOR ALL ADJUSTMENTS SHALL BE INCIDENTAL TO CONSTRUCTION UNLESS NOTED AS A BID ITEM. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO UTILITY STRUCTURES AND APPURTENANCES THAT OCCURS DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.

#### **EARTHMOVING**

CONTRACTOR TO SUBMIT MANUFACTURER'S PRODUCT DATA AND INSTALLATION INSTRUCTIONS FOR EACH MATERIAL AND PRODUCT USED.

TEST REPORTS: SUBMIT FOR APPROVAL TEST REPORTS, LIST OF MATERIALS AND GRADATIONS PROPOSED FOR USE. OBTAIN SAMPLES OF ANY PROPOSED FILL MATERIAL AND CONTRACTOR TO PROVIDE STANDARD PROCTOR TEST REPORTS TO ENGINEER.

COMPACTION REQUIREMENTS ARE AS FOLLOWS:

1. UNDER STEPS, PAVEMENTS, AND WALKWAYS, 95 PERCENT STANDARD PROCTOR MINIMUM DENSITY, ASTM D 698.

2. UNDER LAWNS OR UNPAVED AREAS, 85 PERCENT, ASTM D 698.

GRADING TOLFRANCES OUTSIDE BUILDING LINES ARE AS FOLLOWS:

1. LAWNS, UNPAVED AREAS, AND WALKS, PLUS OR MINUS 1 INCH.

PAVEMENTS, PLUS OR MINUS 1/2 INCH.
 ALL ADA ROUTES AND PARKING ARE TO MEET ADA REQUIREMENTS AT ALL TIMES.

ALL ACTIVITIES WILL BE CONTAINED WITHIN CONSTRUCTION BOUNDARIES INDICATED ON SITE PLAN. SPECIFIED EXCAVATION REQUIREMENTS, PRECAUTIONS, AND PROTECTIVE SYSTEMS WILL BE OBSERVED AT ALL TIMES.

MOVEMENT OF TRUCKS AND EQUIPMENT ON OWNER'S PROPERTY WILL BE IN ACCORDANCE WITH OWNER'S INSTRUCTIONS.

TOPSOIL WILL BE STRIPPED FROM THE CONSTRUCTION SITE AND WILL BE DISPOSED OF LEGALLY OFF SITE.

TRENCHES WILL NOT BE BACKFILLED UNTIL ALL REQUIRED TESTS ARE COMPLETED AND THE UTILITY SYSTEMS, AS INSTALLED, CONFORM TO REQUIREMENTS SPECIFIED BY THE CONTRACT DOCUMENTS.

EXCAVATION IS UNCLASSIFIED AND INCLUDES EXCAVATION TO SUBGRADE REGARDLESS OF MATERIALS ENCOUNTERED. REPAIR EXCAVATIONS BEYOND ELEVATIONS AND DIMENSIONS INDICATED AS FOLLOWS:

PROPER DRAINAGE AND DO NOT STOCKPILE MATERIALS WITHIN DRIP LINE OF TREES TO REMAIN.

AT STRUCTURE: CONCRETE OR COMPACTED STRUCTURAL FILL.
 ELSEWHERE: BACKFILL AND COMPACT AS DIRECTED.

MAINTAIN STABILITY OF EXCAVATIONS; CONTRACTOR TO BE RESPONSIBLE FOR DESIGN AND COORDINATION OF SHORING AND BRACING AS REQUIRED.

PREVENT SURFACE AND SUBSURFACE WATER FROM ACCUMULATING IN EXCAVATIONS. STOCKPILE SATISFACTORY MATERIALS FOR REUSE, ALLOW FOR

COMPACT MATERIALS AT THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D 698 BY AERATION OR WETTING TO THE FOLLOWING

PERCENTAGES OF MAXIMUM DRY DENSITY:

1. STRUCTURE, PAVEMENT, WALKWAYS: SUBGRADE AND EACH FILL LAYER TO 95% (-2%+4%) OF STANDARD PROCTOR MAXIMUM DRY DENSITY
TO SUITABLE DEPTH. COMPACTION TESTING SHALL BE PERFORMED IMMEDIATELY PRIOR TO THE PLACEMENT OF REINFORCING STEEL AND NEW
PAVING MATERIALS. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING TESTING WITH OWNERS DESIGNATED TESTING AGENCY.

UNPAVED AREAS: TOP 6" OF SUBGRADE AND EACH FILL LAYER TO 90% MAXIMUM DRY DENSITY.
 A PROOF-ROLL SHALL BE REQUIRED OF THE SUBGRADE PRIOR TO PLACEMENT OF THE BASE COURSE. PROOF ROLLING SHALL CONSIST OF PASSING A LOADED, 20—TON, TANDEM DUMP TRUCK OVER THE PREPARED SUBGRADE SOIL WITH A MAXIMUM ALLOWABLE DISPLACEMENT OF 1". ANY AREAS THAT DISPLACE MORE THAN 1" SHALL BE COMPACTED UNTIL THIS CRITERION IS MET, OR THOSE AREAS MAY BE EXCAVATED AND BACKFILLED WITH COMPACTED TYPE 1 AGGREGATE USED FOR BASE MATERIAL. ALL PROOF ROLLING SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE.

4. CUT AREAS UNDER PROPOSED ASPHALT OR CONCRETE PAVEMENTS SHALL BE CUT AND COMPACTED. AFTER GRADING TO SUBGRADE ELEVATION, SCARIFY THE TOP SIX INCHES OF THE SUB-BASE AND COMPACT AS OUTLINED ABOVE.

PLACE ACCEPTABLE MATERIALS IN LAYERS NOT MORE THAN 8" LOOSE DEPTH FOR MATERIALS COMPACTED BY HEAVY EQUIPMENT AND NOT MORE THAN 4" LOOSE DEPTH FOR MATERIALS COMPACTED BY HAND EQUIPMENT TO SUBGRADES INDICATED AS FOLLOWS:

STRUCTURAL FILL: USE UNDER FOUNDATIONS, SLABS ON GRADE IN LAYERS AS INDICATED.
 DRAINAGE FILL: USE UNDER DESIGNATED BUILDING SLABS, AT FOUNDATION DRAINAGE AND ELSEWHERE AS INDICATED.

3. LANDSCAPE AREA FILL:
3.1. ALL SUB-GRADE AREAS SHALL BE "RIPPED" TO A MINIMUM 6" DEEP AND A MAXIMUM OF 12" APART IN OPPOSITE DIRECTIONS WITH MINIMAL TIRE TRAFFIC TO FOLLOW.

3.2. CONTRACTOR TO LEAVE APEAS 6" OR 18" (PLANTER APEAS) BELOW FINISH CRADE OWNER TO PLACE TORSOIL AND ALL PLANTINGS.

3.2. CONTRACTOR TO LEAVE AREAS 6" OR 18" (PLANTER AREAS) BELOW FINISH GRADE. OWNER TO PLACE TOPSOIL AND ALL PLANTINGS.
3.3. ANY FILL SOIL WITHIN 36" OF FINISHED GRADE IN LAWN AND PLANTER AREAS SHALL BE COHESIVE SOILS IN SOIL CLASSIFICATIONS
GROUPS ML, CL, CH OR A COMBINATION THEREOF, FREE OF ROCK OR GRAVEL LARGER THAN 1" IN ANY DIMENSION, DEBRIS, WASTE,
FROZEN MATERIAL, VEGETATION AND OTHER DELETERIOUS MATTER.

4. SUB-BASE MATERIAL: USE UNDER PAVEMENT, WALKS, STEPS, PIPING AND CONDUIT.

GRADE TO WITHIN 1/2" ABOVE OR BELOW REQUIRED SUBGRADE AND WITHIN A TOLERANCE OF 1/2" IN 10'.

PROTECT NEWLY GRADED AREAS FROM TRAFFIC AND EROSION. RECOMPACT AND REGRADE SETTLED, DISTURBED AND DAMAGED AREAS AS NECESSARY TO RESTORE QUALITY, APPEARANCE, AND CONDITION OF WORK

CONTROL EROSION TO PREVENT RUNOFF INTO SEWERS OR DAMAGE TO SLOPED OR SURFACED AREAS.

CONTROL DUST TO PREVENT HAZARDS TO ADJACENT PROPERTIES AND VEHICLES. IMMEDIATELY REPAIR OR REMEDY DAMAGE CAUSED BY DUST INCLUDING AIR FILTERS IN EQUIPMENT AND VEHICLES. CLEAN SOILED SURFACES.

DISPOSAL OF EXCAVATION WASTE AND UNSUITABLE MATERIALS SHALL BE THE RESPONSIBILITY OF THE SITE WORK CONTRACTOR. NO SPECIFIC OR PRE-APPROVED LOCATION IS BEING PROVIDED BY THE OWNER.

CONCRETE:

CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE CURRENT ACI 301, SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS, ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 305 SPECIFICATIONS FOR HOT WATER CONCRETE, AND ACI 306 SPECIFICATIONS FOR COLD WEATHER CONCRETE, WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:

1. CONCRETE SHALL DEVELOP THE FOLLOWING 28-DAY MINIMUM COMPRESSIVE STRENGTH:

- 3.000 PSI

FOUNDATIONS - 3,000 PSI
CAST—IN—PLACE WALLS - 3,500 PSI
FLOOR SLAB - 4,000 PSI
EXTERIOR SLABS, WALLS AND CURBS - 4,000 PSI

ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR ENGINEERED FILL.
 CHLORIDE— BASED ADMIXTURES ARE PROHIBITED IN ALL CONCRETE.

 REINFORCING STEEL SHALL CONFORM TO ASTM A615, A616, OR A617, GRADE 60.
 ALL CONTINUOUS REINFORCING STEEL THAT MEETS AT A CORNER SHALL BE TIED TOGETHER WITH A CORNER BAR THAT HAS SUFFICIENT LAP DISTANCE IN EACH DIRECTION

6. CONTINUOUS REINFORCING BARS LAP LENGTH SHALL BE A MINIMUM OF 48 BAR DIAMETERS UNLESS NOTED OTHERWISE
7. CONCRETE SLUMP SHALL BE A MAXIMUM OF 4" +/- 1" (ASTM C- 143) AS DELIVERED IN THE FIELD. CONTRACTOR MAY USE CHEMICAL ADMIXTURES TO ATTAIN A MAXIMUM SLUMP OF 8" FOR WORKABILITY. NO WATER MAY BE ADDED TO THE CONCRETE MIX ON SITE UNLESS WATER IS WITHHELD AT THE BATCHING FACILITY. IF WATER IS WITHHELD AT THE BATCHING FACILITY IT SHOULD BE REFLECTED ON THE LOAD TICKET. THE TOTAL AMOUNT OF WATER IN THE MIX SHALL NOT EXCEED WHAT IS NOTED ON THE APPROVED MIXED. THIS SHALL BE NOTED IN

THE SPECIAL INSPECTOR'S RECORDS.

8. CONCRETE EXPOSED TO WEATHER, VEHICLES, AND/OR DEICING CHEMICALS SHALL BE AIR—ENTRAINED WITH 6% (+/-) 1.5% ENTRAINED AIR BY VOLUME AT POINT OF DISCHARGE. DO NOT ALLOW AIR CONTENT OF TROWELED FINISHED FLOORS TO EXCEED 3%.

9. SUBMIT CONCRETE MIX PROPORTIONS PRIOR TO START OF WORK. DO NOT BEGIN CONCRETE PRODUCTION UNTIL MIXES HAVE BEEN REVIEWED

AND ARE ACCEPTABLE TO THE ENGINEER.

10. READY MIX CONCRETE SHALL COMPLY WITH REQUIREMENTS OF ASTM C94.

11. CONCRETE WORK EXECUTION

A. CONSTRUCT FORMS TO CORRECT SIZE, SHAPE, ALIGNMENT, ELEVATION AND POSITION; AND TO SUPPORT VERTICAL AND LATERAL LOADS.

B. POSITION, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT. MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE, UNLESS NOTED OTHERWISE ON THE DRAWINGS:

JOINTS MINIMUM ¼ OF SLAB DEPTH, AS SOON AFTER SLAB FINISHING WITHOUT DISLODGING AGGREGATE.

D. STEEL TROWEL FINISH ALL INTERIOR CONCRETE SLABS, BROOM FINISH ALL EXTERIOR CONCRETE SLABS.

E. CURE ALL CONCRETE IN COMPLIANCE WITH ACI 301, USING A LIQUID TYPE MEMBRANE, NON-RESIDUAL, CURING COMPOUND COMPLYING WITH ASTM C309. ASSURE COMPATIBILITY WITH FINISH FLOOR COVERING.

12. FLINT AND CHERT WILL BE LIMITED TO 1% MAXIMUM, BY WEIGHT OF THE COURSE AGGREGATE, IN ALL EXPOSED CONCRETE (CAST-IN-PLACE OR PRECAST). LIGNITE WILL BE LIMITED TO 0.5%, BY WEIGHT OF THE FINE AGGREGATE IN ALL EXPOSED CONCRETE. SOME APPLICATIONS MAY BE REQUIRED TO BE LIGNITE FREE.

#### CONCRETE PAVING JOINT SEALANTS:

DELIVER MATERIALS TO PROJECT SITE IN ORIGINAL UNOPENED CONTAINERS OR BUNDLES WITH LABELS INDICATING MANUFACTURER, PRODUCT NAME AND DESIGNATION, COLOR, EXPIRATION DATE, POT LIFE, CURING TIME, AND MIXING INSTRUCTIONS FOR MULTICOMPONENT MATERIALS.

STORE AND HANDLE MATERIALS TO COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS TO PREVENT THEIR DETERIORATION OR DAMAGE DUE TO MOISTURE, HIGH OR LOW TEMPERATURES, CONTAMINANTS, OR OTHER CAUSES.

DO NOT PROCEED WITH INSTALLATION OF JOINT SEALANTS UNDER THE FOLLOWING CONDITIONS:

1. WHEN AMBIENT AND SUBSTRATE TEMPERATURE CONDITIONS ARE OUTSIDE LIMITS PERMITTED BY JOINT SEALANT MANUFACTURER OR ARE BELOW 40 DEG F.

2. WHEN JOINT SUBSTRATES ARE WET OR COVERED WITH FROST.

3. WHERE JOINT WIDTHS ARE LESS THAN THOSE ALLOWED BY JOINT-SEALANT MANUFACTURER FOR APPLICATIONS INDICATED.

4. WHERE CONTAMINANTS CAPABLE OF INTERFERING WITH ADHESION HAVE NOT YET BEEN REMOVED FROM JOINT SUBSTRATES.

PROVIDE JOINT SEALANTS, BACKING MATERIALS, AND OTHER RELATED MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND WITH JOINT SUBSTRATES UNDER CONDITIONS OF SERVICE AND APPLICATION, AS DEMONSTRATED BY JOINT—SEALANT MANUFACTURER BASED ON TESTING AND FIELD EXPERIENCE.

COLD—APPLIED JOINT SEALANTS ARE TO BE TYPE NS SILICONE SEALANT FOR CONCRETE: SINGLE—COMPONENT, LOW—MODULUS, NEUTRAL—CURING, NONSAG SILICONE SEALANT COMPLYING WITH ASTM D 5893 FOR TYPE NS. PRODUCTS ALLOWED ARE: CRAFCO INC.: ROADSAVER SILICONE, DOW CORNING CORPORATION; 888, PECORA NS 301, OR APPROVED EQUAL

CONTRACTOR TO PROVIDE JOINT—SEALANT BACKER MATERIALS THAT ARE NONSTAINING; ARE COMPATIBLE WITH JOINT SUBSTRATES, SEALANTS, PRIMERS, AND OTHER JOINT FILLERS; AND ARE APPROVED FOR APPLICATIONS INDICATED BY JOINT—SEALANT MANUFACTURER BASED ON FIELD EXPERIENCE AND LABORATORY TESTING. ROUND BACKER RODS FOR COLD—APPLIED SEALANTS: ASTM D 5249, TYPE 3, OF DIAMETER AND DENSITY REQUIRED TO CONTROL SEALANT DEPTHAND PREVENT BOTTOM—SIDE ADHESION OF SEALANT.

PRIOR TO JOINT INSTALLATION, CONTRACTOR IS TO EXAMINE JOINTS INDICATED TO RECEIVE JOINT SEALANTS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR JOINT CONFIGURATION, INSTALLATION TOLERANCES, AND OTHER CONDITIONS AFFECTING JOINT— SEALANT PERFORMANCE. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.

CLEAN OUT JOINTS IMMEDIATELY BEFORE INSTALLING JOINT SEALANTS TO COMPLY WITH JOINT-SEALANT MANUFACTURER'S WRITTEN INSTRUCTIONS

COMPLY WITH JOINT-SEALANT MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS FOR PRODUCTS AND APPLICATIONS INDICATED, UNLESS MORE STRINGENT REQUIREMENTS APPLY.

COMPLY WITH RECOMMENDATIONS IN ASTM C 1193 FOR USE OF JOINT SEALANTS AS APPLICABLE TO MATERIALS, APPLICATIONS, AND CONDITIONS INDICATED.

INSTALL BACKER MATERIALS OF TYPE INDICATED TO SUPPORT SEALANTS DURING APPLICATION AND AT POSITION REQUIRED TO PRODUCE CROSS—SECTIONAL SHAPES AND DEPTHS OF INSTALLED SEALANTS RELATIVE TO JOINT WIDTHS THAT ALLOW OPTIMUM SEALANT MOVEMENT CAPABILITY. DO NOT LEAVE GAPS BETWEEN ENDS OF BACKER MATERIALS. DO NOT STRETCH, TWIST, PUNCTURE, OR TEAR BACKER MATERIALS. REMOVE ABSORBENT BACKER MATERIALS THAT HAVE BECOME WET BEFORE SEALANT APPLICATION AND REPLACE THEM WITH DRY MATERIALS.

NSTALL SEALANTS USING PROVEN TECHNIQUES THAT COMPLY WITH THE FOLLOWING AND AT THE SAME TIME BACKING ARE INSTALLED:

PLACE SEALANTS SO THEY DIRECTLY CONTACT AND FULLY WET JOINT SUBSTRATES.

COMPLETELY FILL RECESSES PROVIDED FOR EACH JOINT CONFIGURATION.

3. PRODUCE UNIFORM, CROSS-SECTIONAL SHAPES AND DEPTHS RELATIVE TO JOINT WIDTHS THAT ALLOW OPTIMUM SEALANT MOVEMENT

IMMEDIATELY AFTER SEALANT APPLICATION AND BEFORE SKINNING OR CURING BEGINS, TOOL SEALANTS ACCORDING TO REQUIREMENTS SPECIFIED BELOW TO FORM SMOOTH, UNIFORM BEADS OF CONFIGURATION INDICATED; TO ELIMINATE AIR POCKETS; AND TO ENSURE CONTACT AND ADHESION OF SEALANT WITH SIDES OF JOINT. REMOVE EXCESS SEALANTS FROM SURFACES ADJACENT TO JOINT.USE TOOLING AGENTS THAT ARE APPROVED IN WRITING BY JOINT—SEALANT MANUFACTURER AND THAT DO NOT DISCOLOR SEALANTS OR ADJACENT SURFACES.

PROVIDE JOINT CONFIGURATION TO COMPLY WITH JOINT-SEALANT MANUFACTURER'S WRITTEN INSTRUCTIONS, UNLESS OTHERWISE INDICATED.

PROVIDE RECESSED JOINT CONFIGURATION FOR SILICONE SEALANTS OF RECESS DEPTH AND AT LOCATIONS INDICATED.

CLEAN OFF EXCESS SEALANTS OR SEALANT SMEARS ADJACENT TO JOINTS AS THE WORK PROGRESSES BY METHODS AND WITH CLEANING MATERIALS APPROVED BY MANUFACTURERS OF JOINT SEALANTS AND OF PRODUCTS IN WHICH JOINTS OCCUR.

PROTECT JOINT SEALANTS DURING AND AFTER CURING PERIOD FROM CONTACT WITH CONTAMINATING SUBSTANCES AND FROM DAMAGE RESULTING FROM CONSTRUCTION OPERATIONS OR OTHER CAUSES SO SEALANTS ARE WITHOUT DETERIORATION OR DAMAGE AT TIME OF SUBSTANTIAL COMPLETION. IF, DESPITE SUCH PROTECTION, DAMAGE OR DETERIORATION OCCURS, CUT OUT AND REMOVE DAMAGED OR DETERIORATED JOINT SEALANTS IMMEDIATELY AND REPLACE WITH JOINT SEALANT SO INSTALLATIONS WITH REPAIRED AREAS ARE INDISTINGUISHABLE FROM THE ORIGINAL WORK.

#### PAVEMENT MARKING:

PAINT FOR PARKING LOT STRIPING SHALL BE CHLORINATED RUBBER CONFORMING TO TT-P11SF EPOXY PAVEMENT MARKING MATERIAL WITHOUT GLASS BEADS. PAINT TYPE MUST BE COMPATIBLE WITH THE SURFACES TO BE PAINTED

PAINT SHALL BE APPLIED PER THE FOLLOWING COLOR CODE: WHITE FOR STANDARD PARKING SPACE LINES AND SIDEWALK CROSSINGS. BLUE

FOR ACCESSIBLE PARKING STALL AND SYMBOLS AND ASSOCIATED CROSS—HATCHED AREAS

MATERIALS SHALL INCLUDE STANDARD COMMERCIAL GRADE MASKING MATERIALS, SCRAPERS, CLEANING SOLVENTS, AND OTHER MATERIALS REQUIRED FOR THE WORK. USE MATERIALS SPECIFIED BY MANUFACTURER'S DIRECTION LABEL ON CONTAINER.

DELIVER MATERIALS TO THE SITE IN ORIGINAL CONTAINERS WITH SEALS UNBROKEN AND LABELS INTACT. PROTECT ALL PAINT FROM FREEZING. DO NOT ALLOW PAINT TO SETTLE, CAKE, OR THICKEN IN THE CONTAINER. READILY STIR WITH A PADDLE TO A SMOOTH CONSISTENCY. PAINT SHALL ARRIVE ON THE JOB COLOR—MIXED EXCEPT FOR TINTING OF UNDERCOATS AND POSSIBLE THINNING.

PRIOR TO BEGINNING CLEANING OR PAINTING OPERATIONS, CONTRACTOR SHALL PROTECT ALL ITEMS OR SURFACES NOT INCLUDED IN AREA TO BE PAINTED. PROTECT VEHICLES, EQUIPMENT, STRUCTURES, OR OTHER ITEMS FROM PAINT SPATTERS, OVER SPRAY, OR DAMAGE.

CONTRACTOR SHALL PROVIDE BARRICADES AND ANY SIGNAGE NEEDED TO PROTECT ALL PAINTED AREAS FROM PEDESTRIAN AND VEHICULAR TRAFFIC UNTIL ACHIEVING SUFFICIENT DRYING TIME.

PERFORM PAINTING AS SOON AS FEASIBLE AND PRACTICAL AFTER THE FINISHING OF THE PAVEMENT OR AS DIRECTED BY THE OWNERS REPRESENTATIVE. ADEQUATE LIGHTING SHALL BE AVAILABLE AT THE TIME OF PAINTING. EXAMINE ALL SURFACES TO RECEIVE PAINT TO MAKE SURE THERE ARE NO DEFECTS IN THE SURFACE TO BE STRIPED. DO NOT PAINT OVER RUST, SCALE, GREASE, OIL, FUEL, DUST, WET PAVEMENT, OR OTHER CONDITIONS DETRIMENTAL TO PAINT ADHESION. REMOVE GREASE, OIL, OR FUEL ON ANY SURFACE BEFORE PAINTING. CORRECT ALL SURFACE DEFECTS BEFORE PAINTING. CONTRACTOR SHALL EXAMINE AREAS TO BE PAINTED. NOTIFY THE OWNERS REPRESENTATIVE IN WRITING OF CONDITIONS THAT MIGHT DELAY TIMELY COMPLETION OF THE WORK.

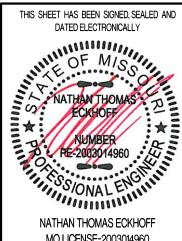
PAINTING SHALL NOT BE PERFORMED WHEN THE AMBIENT TEMPERATURE IS LESS THAN 55 DEGREES FAHRENHEIT, OR WHILE THE SURFACE IS DAMP. THE SURFACE MUST BE FIVE DEGREES OR MORE ABOVE THE DEW POINT TEMPERATURE DURING PAINTING OPERATIONS AND WHILE

AREAS TO BE PAINTED SHALL RECEIVE ONE COAT OF PAINT NOT LESS THAN 25 MILS THICKNESS WET PER MODOT 620.9 THROUGH 620.9.3.4.2. IN LOCATIONS REQUIRING MULTIPLE COATS, PRIOR COAT SHALL BE DRY TO MANUFACTURER'S RECOMMENDATIONS BEFORE APPLYING THE NEXT COAT.
FINISHED WORK SHALL BE UNIFORM, OF APPROVED COLOR, FREE OF RUNS, DRIPS, DEFECTIVE BRUSHING, SPRAYING, AND CLOGGING. PARKING LINES AND SYMBOLS SHALL BE NEAT AND WELL DEFINED. ONLY SKILLED APPLICATORS SHALL APPLY PAINT. OWNERS REPRESENTATIVE SHALL APPROVE APPLICATION TECHNIQUES.

REMOVE PAINT SPLATTER FROM ADJACENT AREAS OR AREAS NOT DESIGNATED TO RECEIVE PAINT. CONTRACTOR SHALL REPAIR OR TOUCH UP ANY SURFACES IF EXPOSED TO VEHICULAR AND PEDESTRIAN TRAFFIC, TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE, AT NO ADDITIONAL COST TO THE OWNER. WHEN COLOR, DIRT, STAINS, EXISTING PAINT, ETC., SHOW THROUGH THE FINAL COAT, REPAINT THE SURFACE UNTIL THE FILM IS UNIFORM IN FINISH, COVERAGE, COLOR, AND APPEARANCE

REVISIONS:

NO. DATE
ORIGINAL 04/04/2024







DISCOVERY PARK LEES SUMMIT LLC 4220 PHILLIPS FARM RD

# 1E2 SUITES BY HILTC 251 NE ALURA WAY

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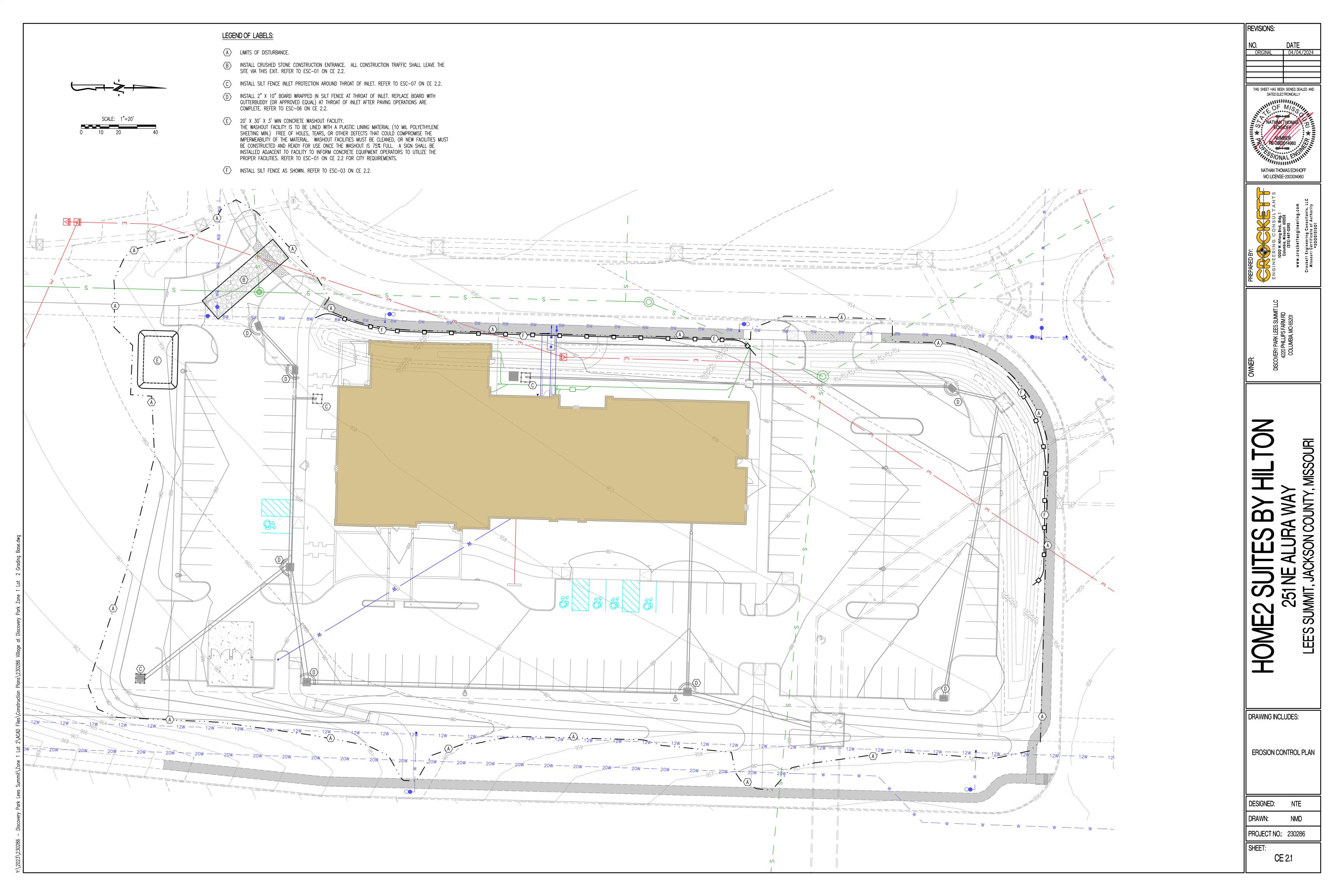
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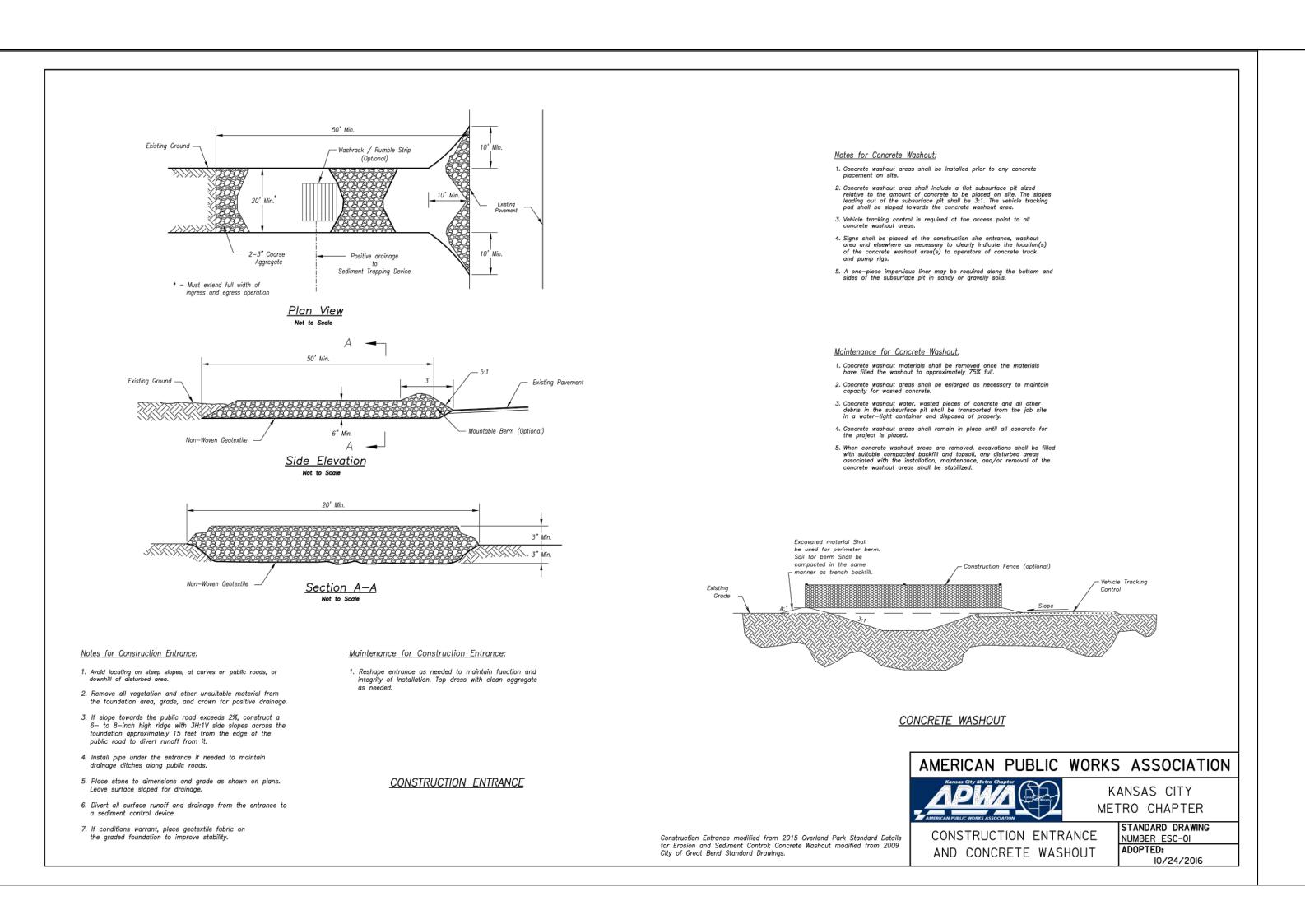
DESIGNED: NTE

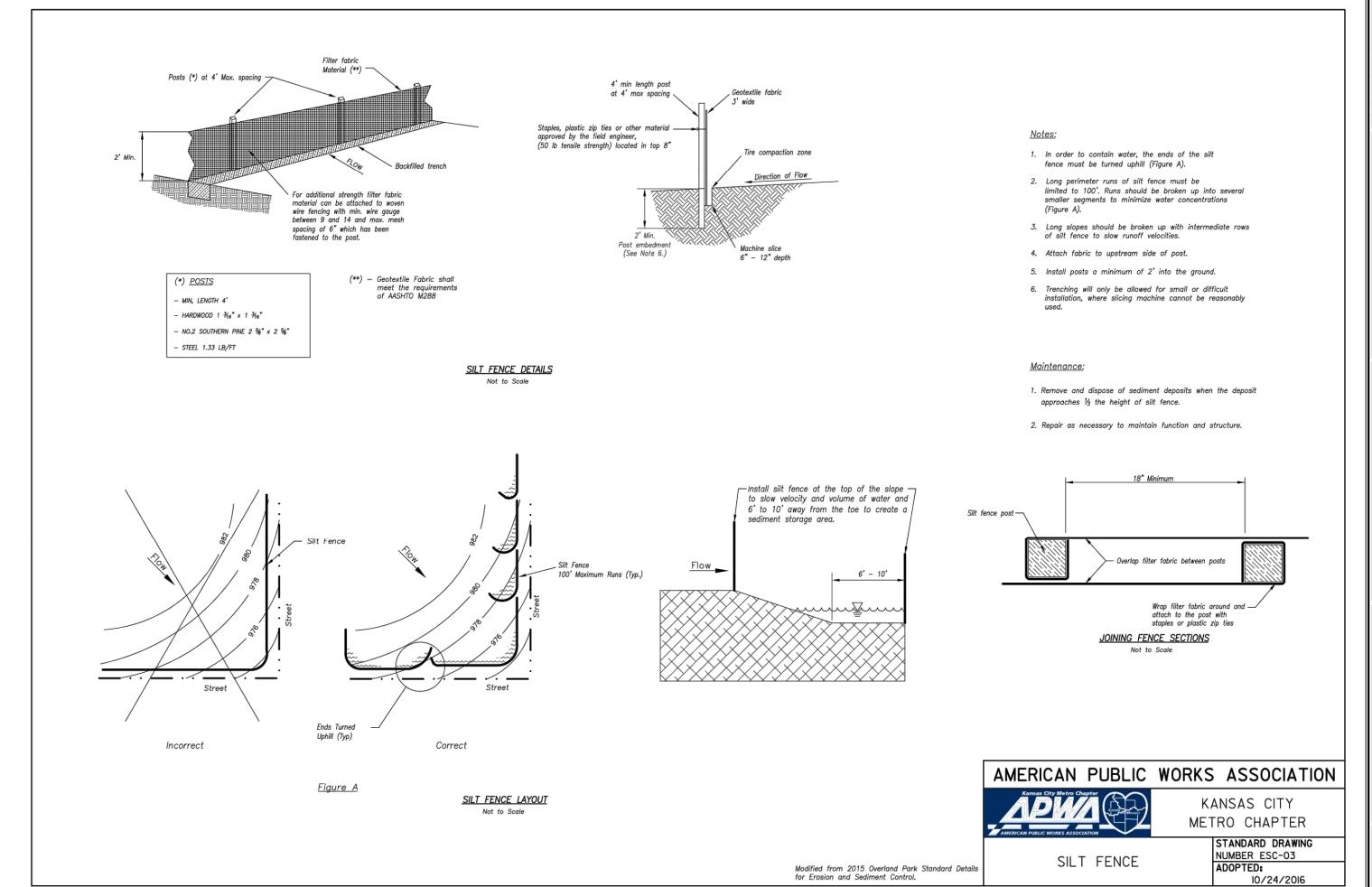
DRAWN: NMD
PROJECT NO.: 230286

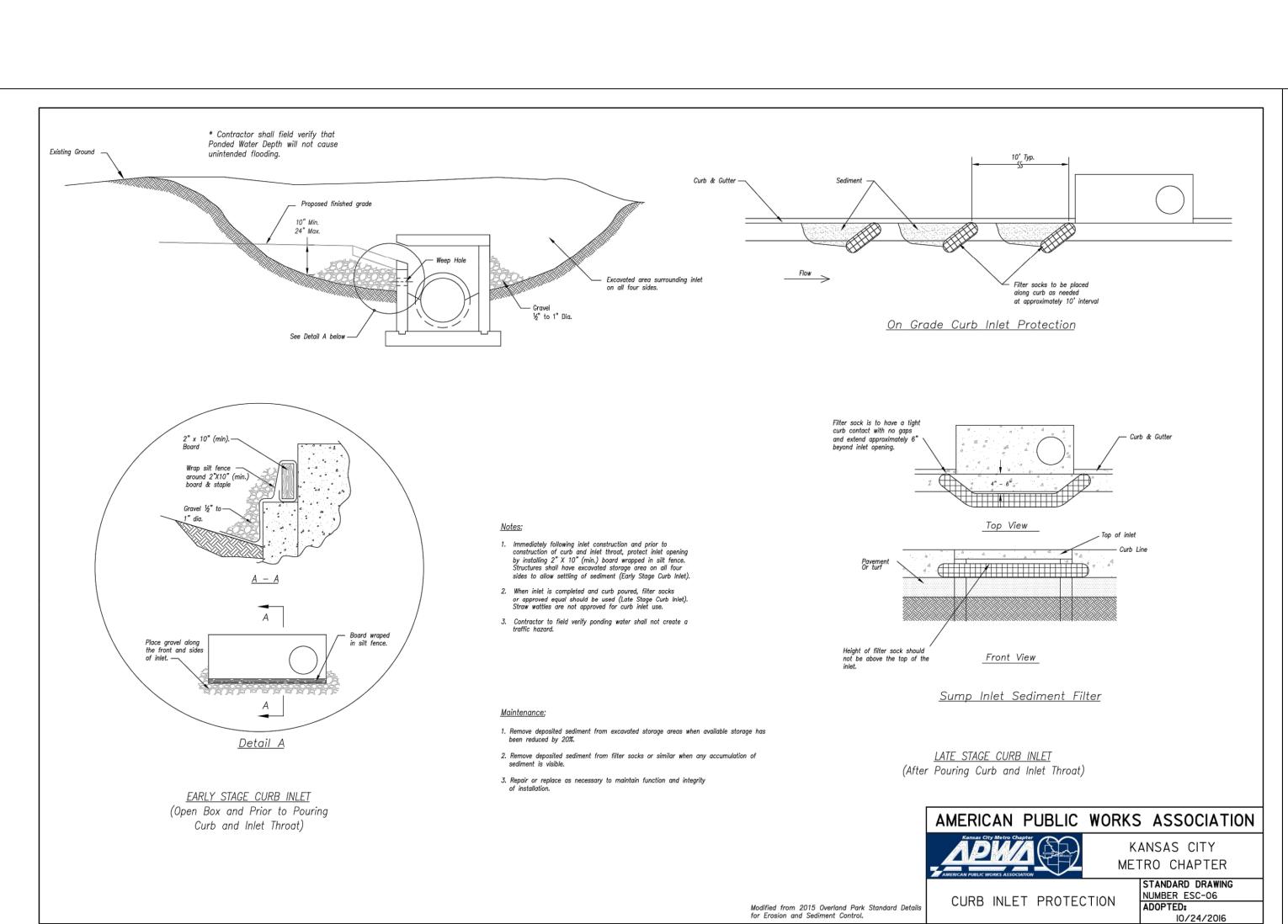
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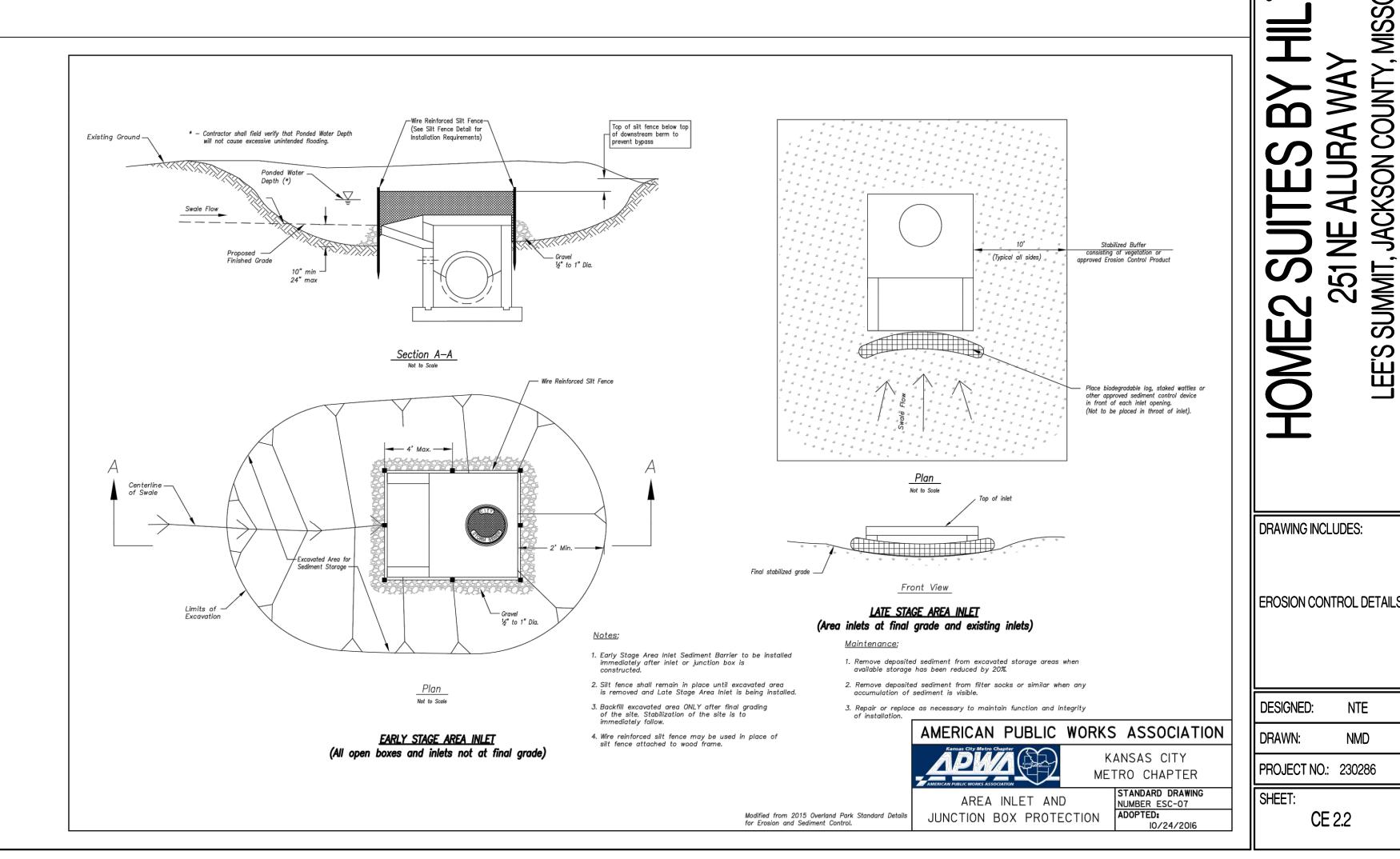
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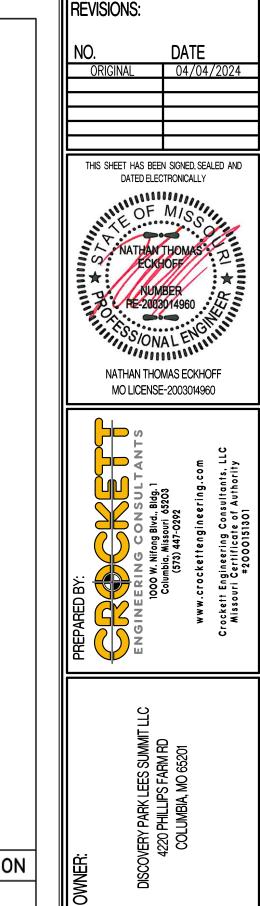










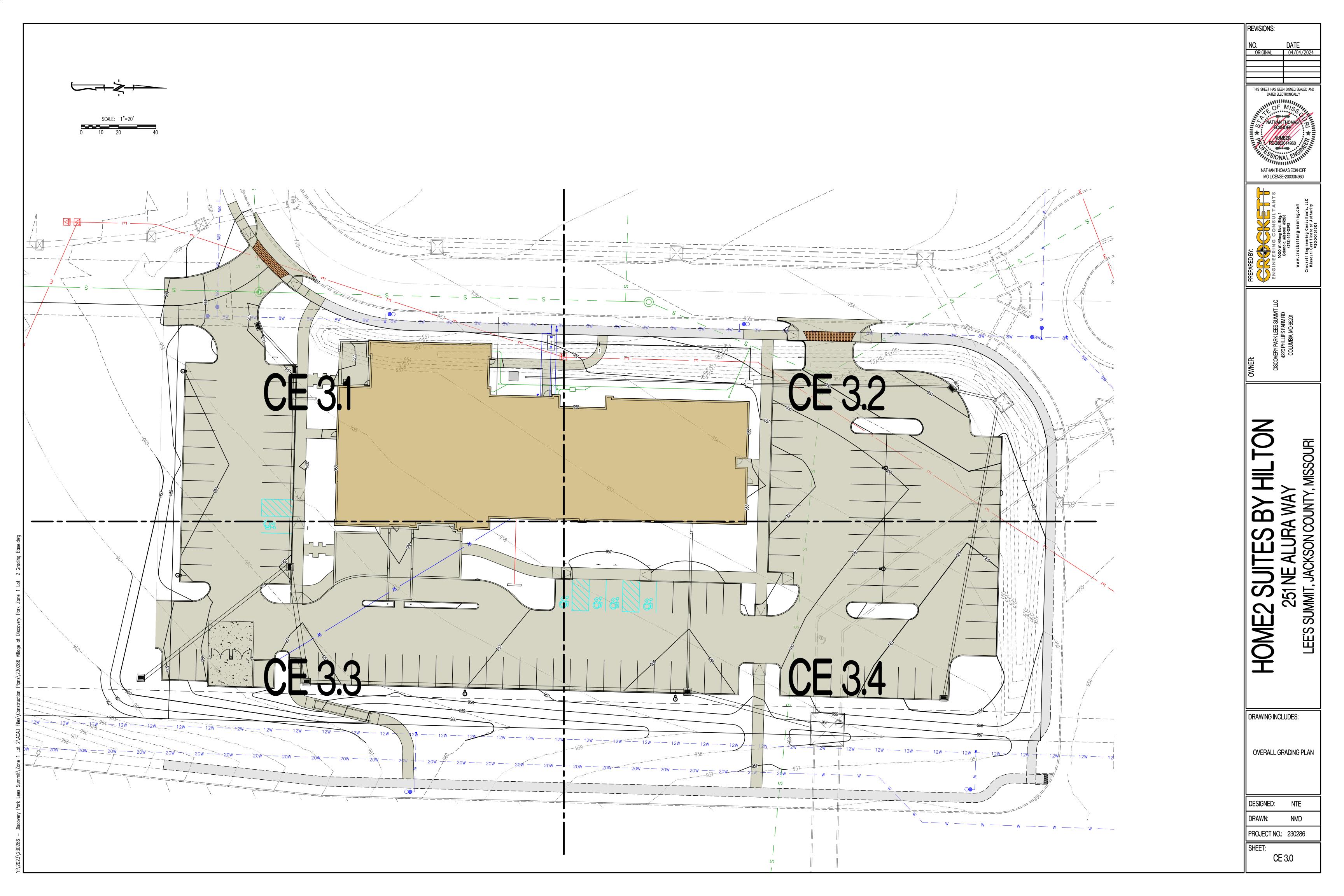


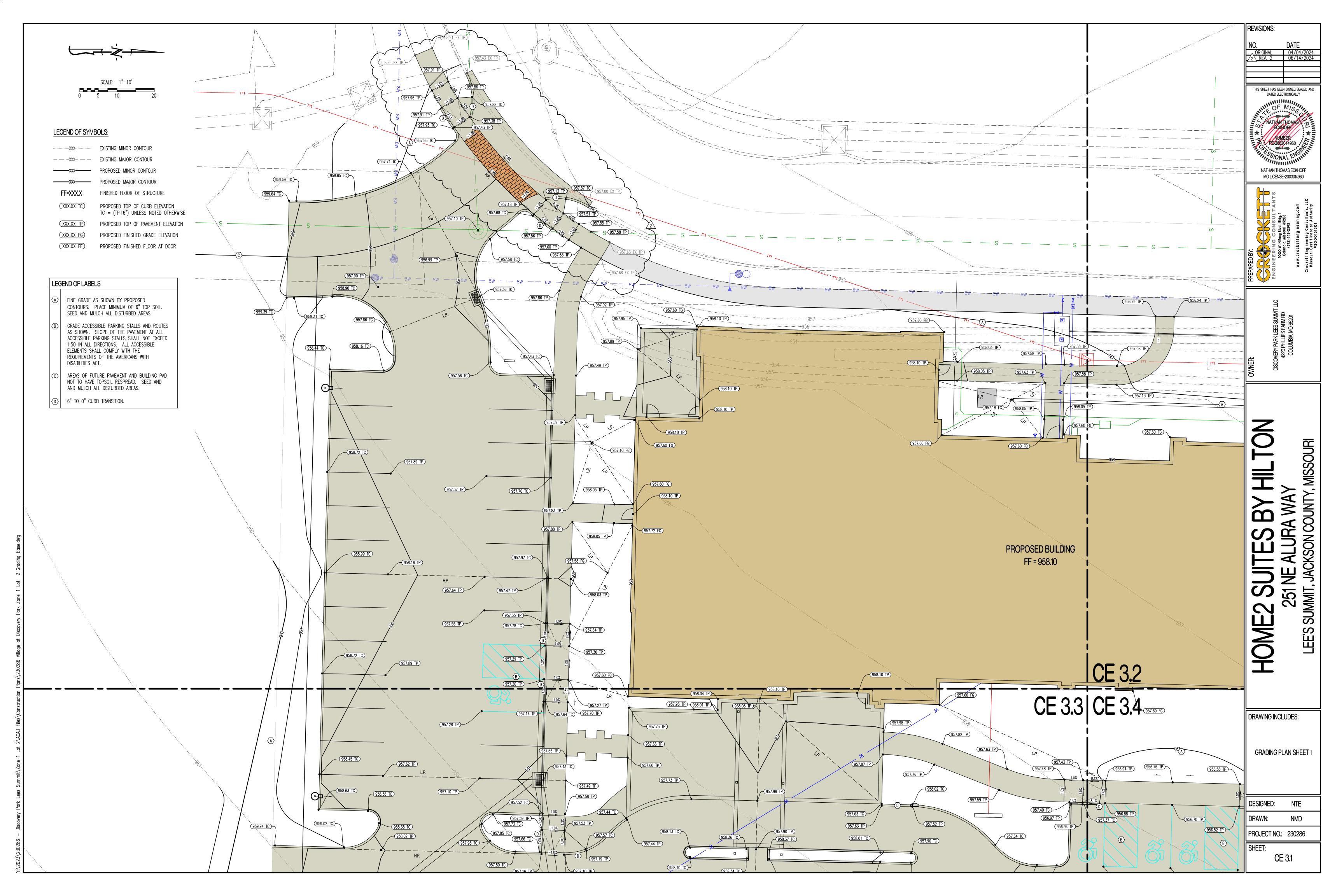
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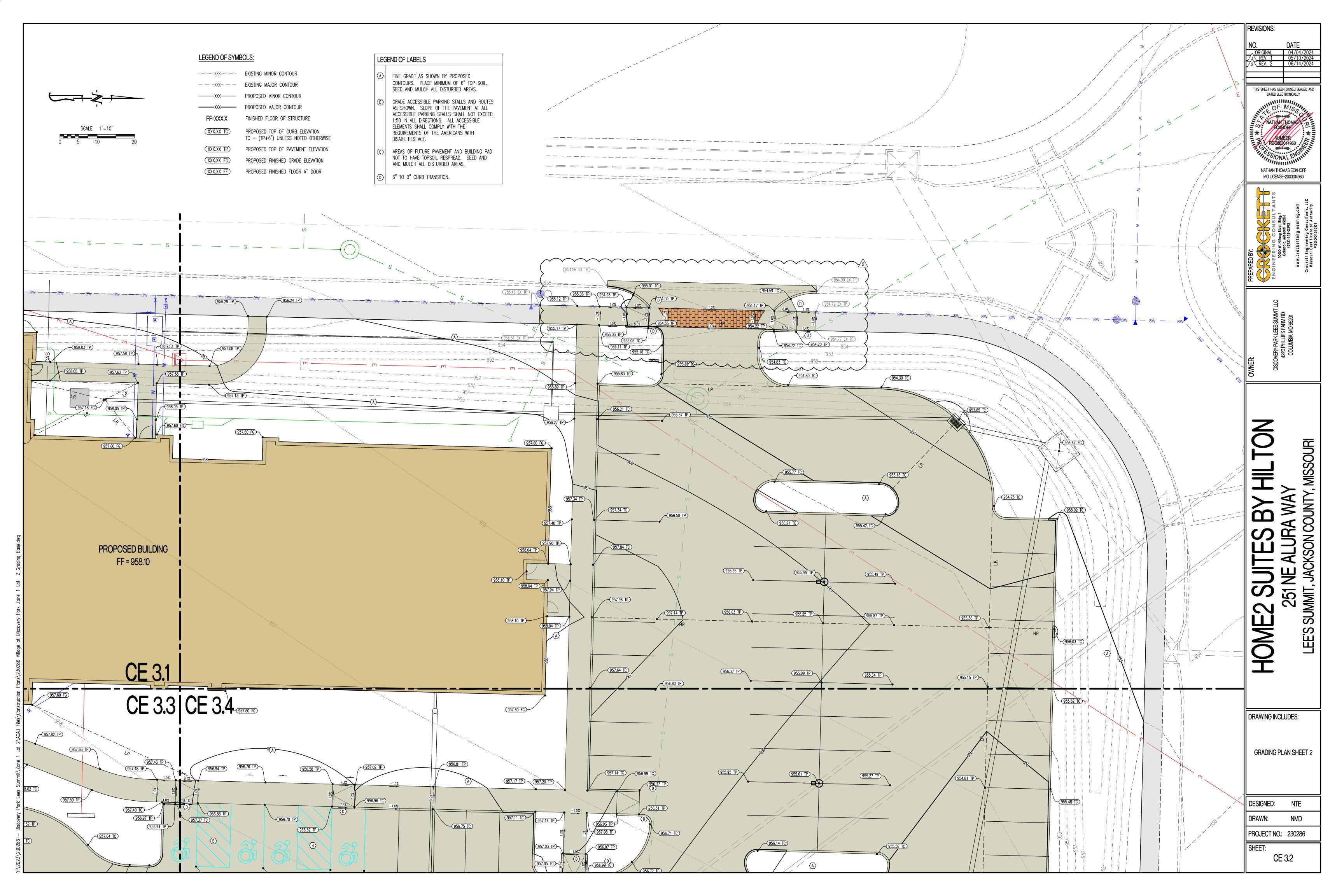
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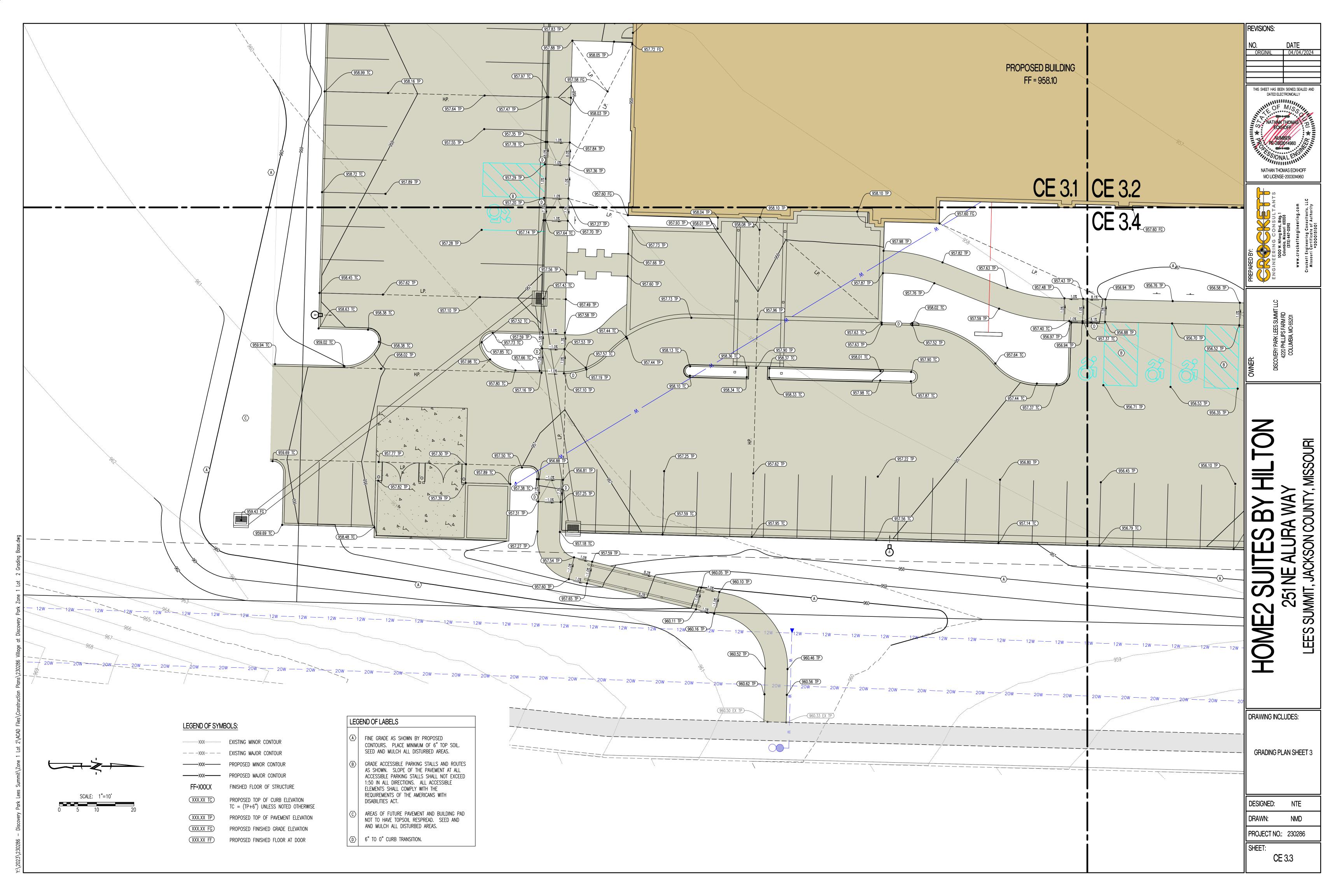
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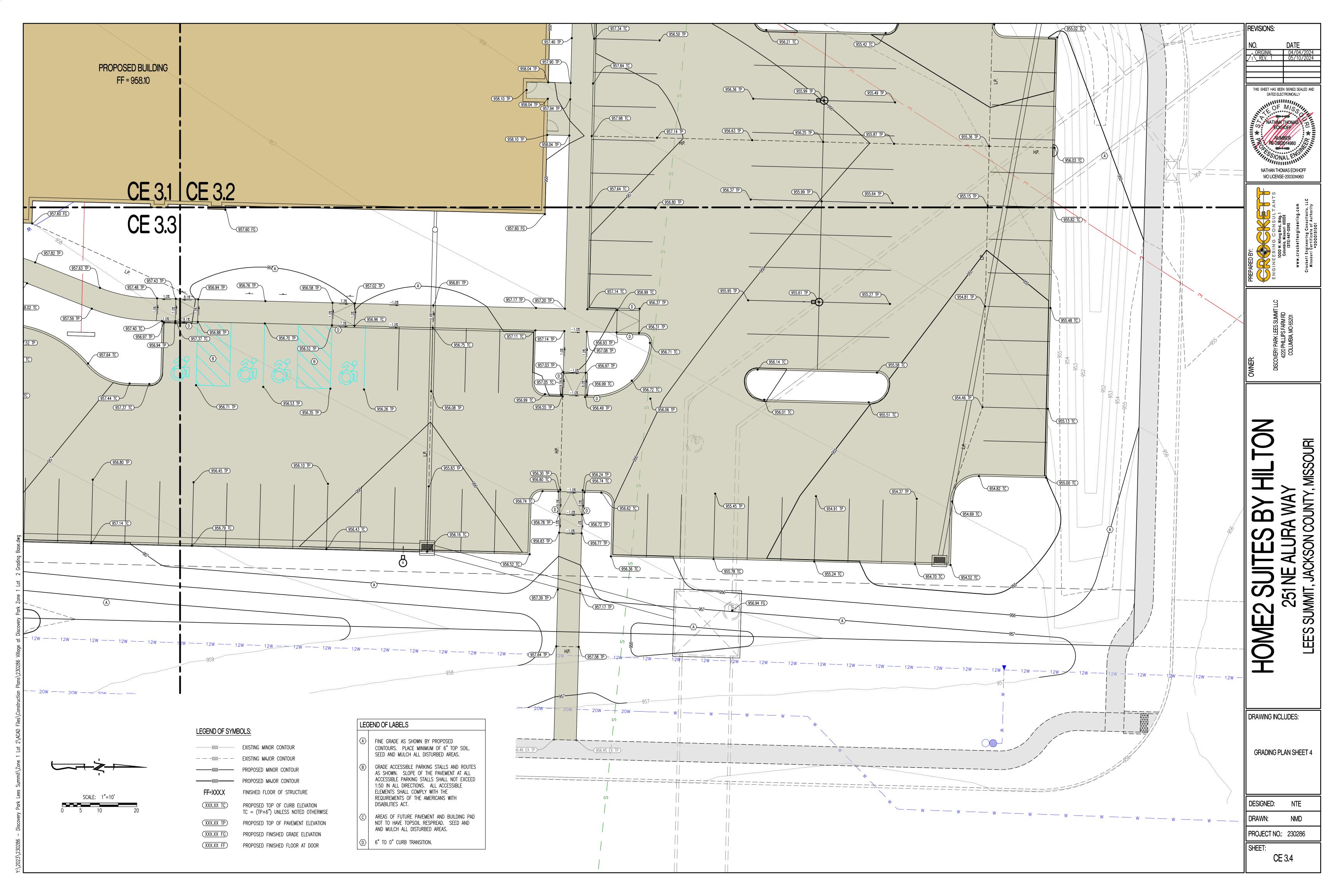
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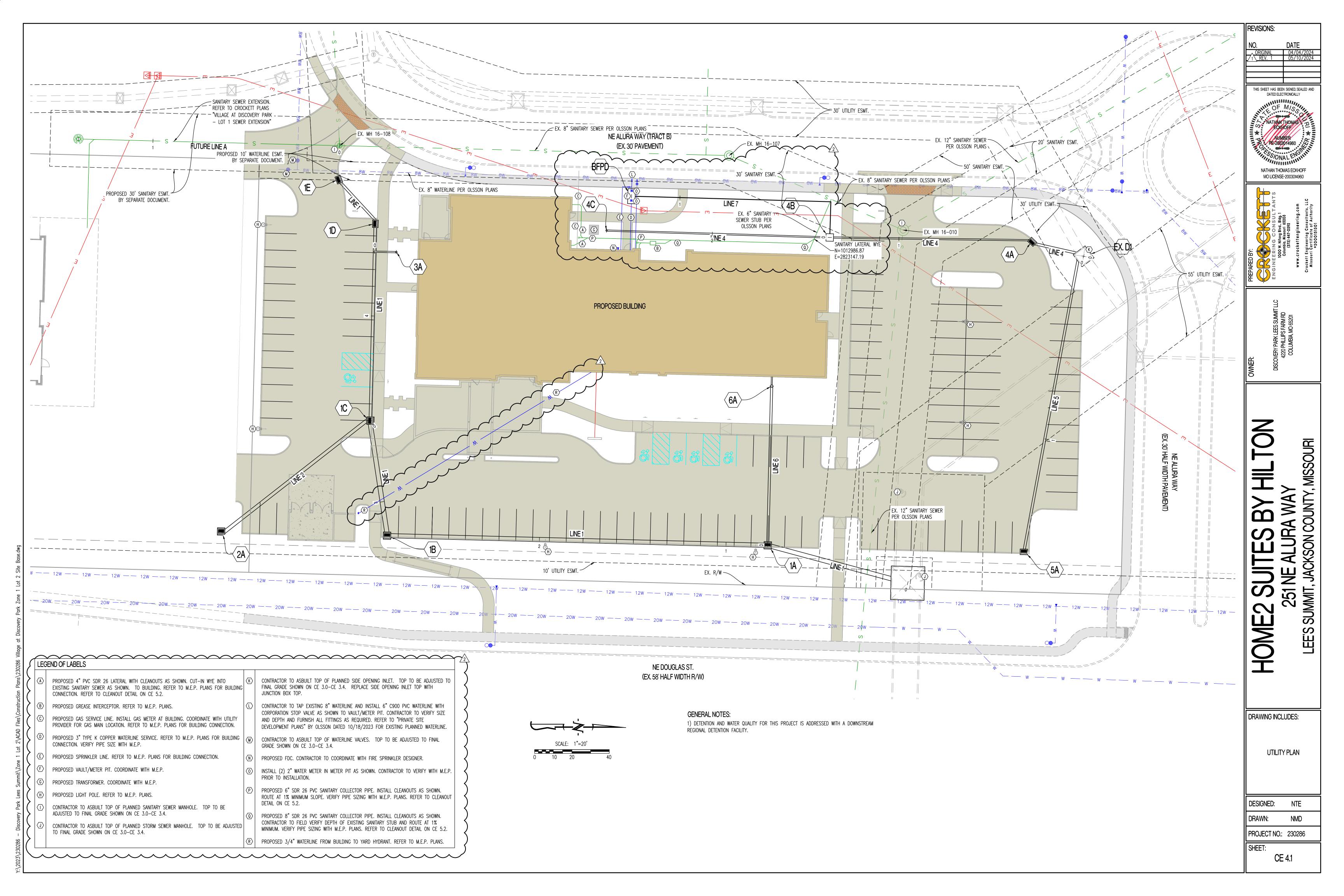


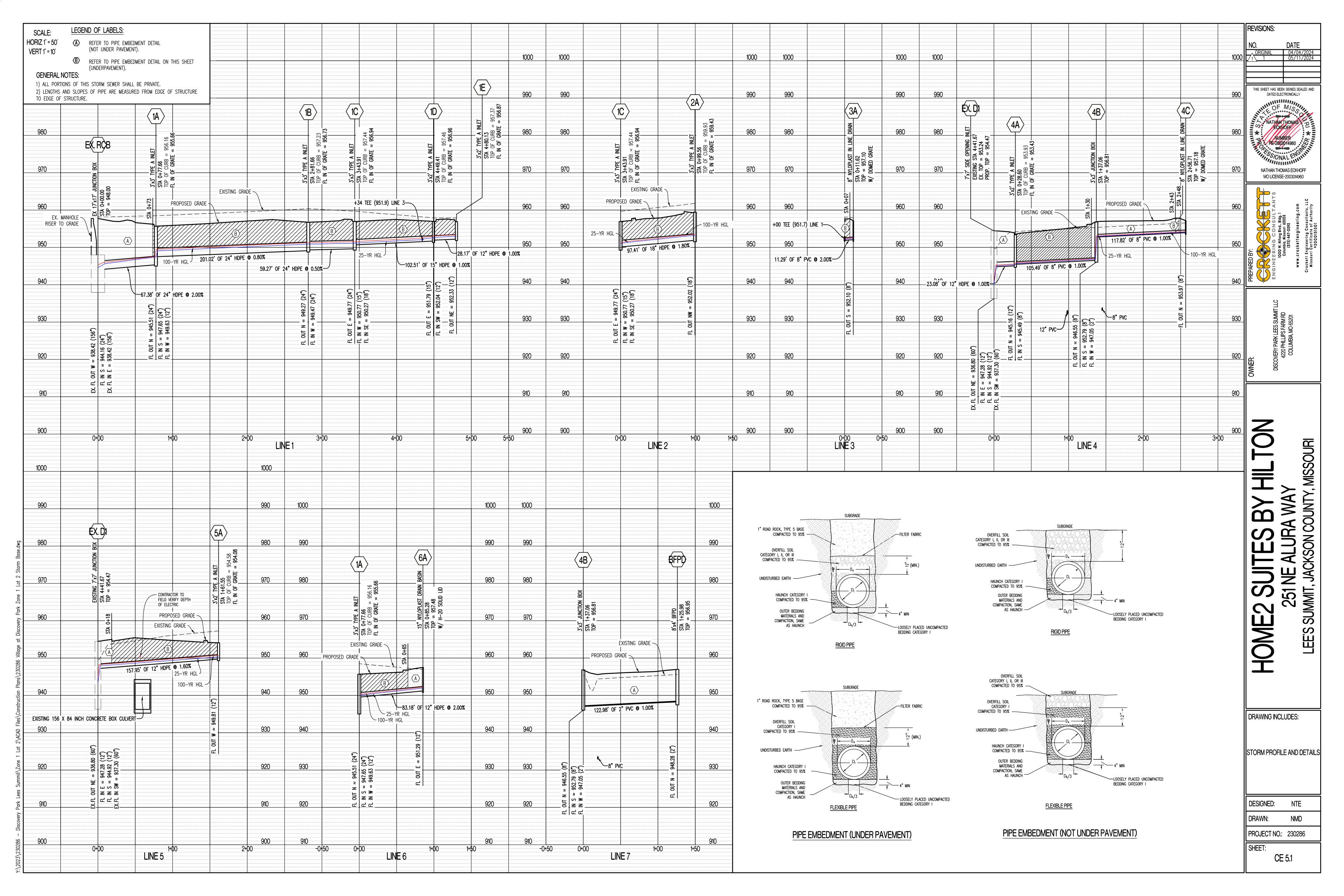








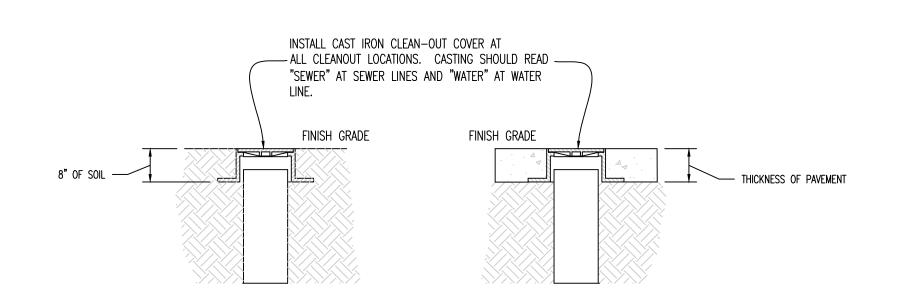




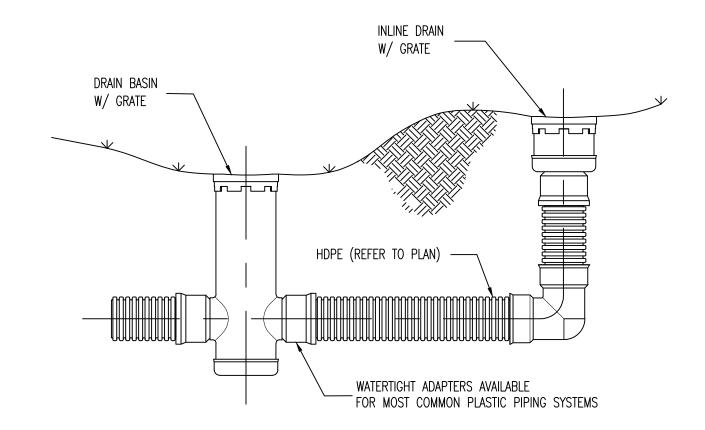
DRAINAGE STRUCTURE STEPS

DRAINAGE STRUCTURE INVERT

— INVERT ₹ MIN. 2% SLOPE



#### CLEANOUT DETAIL



TYPICAL INSTALLATION OF NYLOPLAST DRAIN BASIN AND INLINE DRAIN

LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

REVISIONS:

ORIGINAL 04/04/2024

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

> NATHAN THOMAS ECKHOFF MO LICENSE-2003014960

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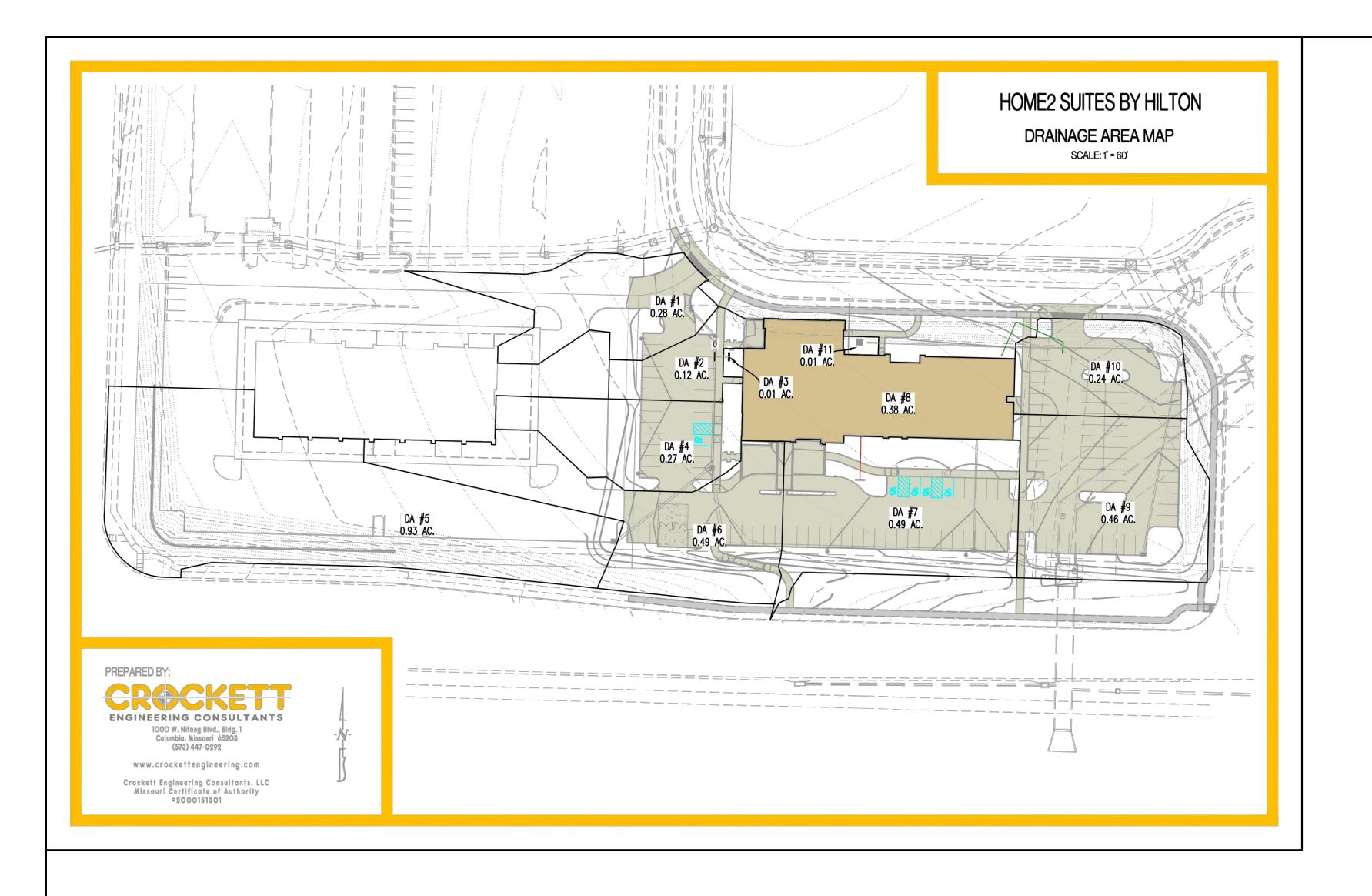
STORM DETAILS CONT.

DESIGNED: NTE

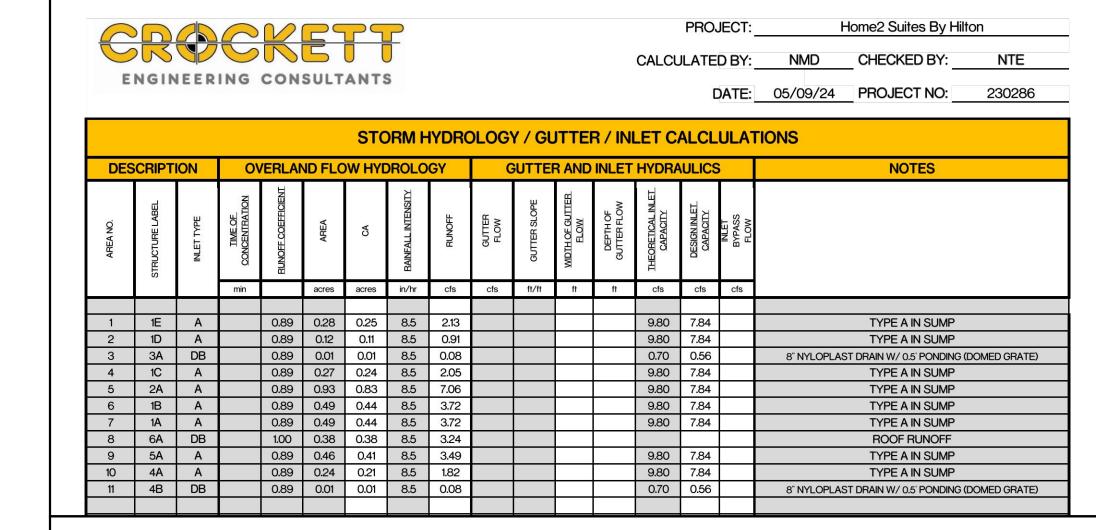
SHEET:

DRAWN: NMD PROJECT NO.: 230286

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#### 25-YEAR STORM CALCULATIONS

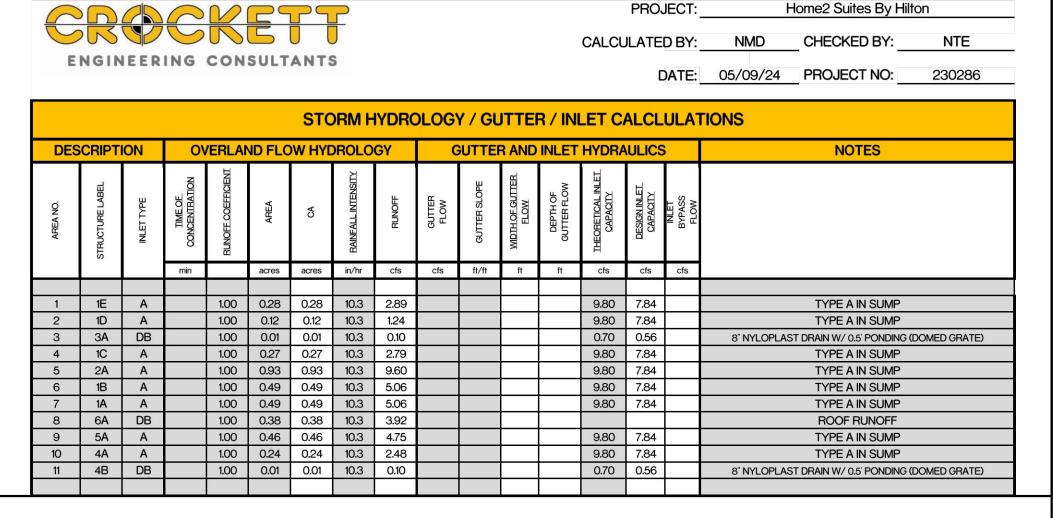


CROCKETT	
ENGINEERING CONSULTANTS	

PROJECT:	H	ome2 Suites By Hi	lton
CALCULATED BY:	NMD	CHECKED BY:	NTE
DATE	5/9/24	PROJECT NO:	230286

	STORM DRAIN PIPE SIZE											
DESCRI	PTION	STORM DRAIN HYDRAULICS										NOTES
AREA NO.	UPSTREAM STRUCTURE LABEL	OF CONCENTRATION		ď	RAINFALL INTENSITY	RUNOFF	STORM DRAIN SLOPE	STORM DRAIN DIAMETER	STORM DRAIN.	CAPACITY FLOWING FULL	VELOCITY FLOWING FULL	
	PSTREA	TIME	ADDED	CUMUL					CMP, OR HDPE			
	⊃	min	acres	acres	in/hr	cfs	ft/ft	in LINE		cfs	fps	
4	1E	Æ		0.05	8.53	0.10	0.010		HDPE	206	4.01	
2+3	1D+3A	-5 -5	0.12	0.25	8.53	2.13 3.11	0.010	12 12	HDPE	3.86 3.86	4.91 4.91	
4+5	2A+1C	- <del>(</del> 5	1.07	1.43	8.53	12.22	0.005	24	HDPE	17.32	5.52	
6	1B	-5 -5	0.44	1.43	8.53	15.94	0.003	24	HDPE	21.91	6.98	
7+8	1A+6A	-5 -5	0.44	2.69	8.53	22.90	0.020	24	HDPE	34.64	11.03	
, ,	171.071		0.02	2.00	0.00	22.00	0.020	2-1	1101 -	04.04	11.00	
	8	i de la companya de			ė.		ė.	LINE	2			
5	2A	<b>'</b> 5	-	0.83	8.53	7.06	0.018	18	HDPE	15.26	8.64	
								LINE	- 77			
3	3A	<b>5</b>		0.01	8.53	0.08	0.020	8	PVC	2.02	5.79	
								LINE				
11	4C	<b>.</b> 5		0.01	8.53	0.08	0.010	8	PVC	1.43	4.09	
40	4A	<b>45</b>	0.04	0.01	8.53	0.09	0.010	8	PVC	1.43	4.09	
10	4A	<b>&lt;</b> 5	0.21	0.22	8.53	1.90	0.010	12	HDPE	3.86	4.91	
								LINE	5		<u> </u>	
9	5A	<b>.</b> 5		0.41	8.53	3.49	0.016	12	HDPE	4.88	6.22	
9	34	,		0.41	0.00	0.49	0.010	IZ.	TIDIL	4.00	0.22	
								LINE	6		1	
8	6A	<b>√</b> 5		0.38	8.53	3.24	0.020	12	HDPE	5.46	6.95	
					5.55	J.L.,	5.325				5.50	

#### 100-YEAR STORM CALCULATIONS



		$\sim$ $\nu$		77	2						PI	ROJECT:_	Н	ome2 Suites By Hilto	on
		<b>&gt;</b>		<u> </u>						3 (	CALCULA	TED BY:_	NMD	CHECKED BY:	NTE
ENGI	NEERIN	IG CC	ONSUL	TANTS								DATE:	5/9/24	PROJECT NO:	230286
	STORM DRAIN PIPE SIZE														
DESCRI	PTION				STO	RM DRAIN	I HYDRAU	JLICS						NOTES	
AREA NO.	UPSTREAM STRUCTURE LABEL	E OF CONCENTRATION		AUL.	BAINFALL INTENSITY	RUNOFF	STORM DRAIN SLOPE	STORM DRAIN DIAMETER	STORM DRAIN.	CAPACITY FLOWING FULL	VELOCITY FLOWING FULL				
	PSTRE	TIME	ADDED	CUMUL				. 22	OR HDPE	10 <b>1</b> 00					
	כ	min	acres	acres	in/hr	cfs	ft/ft	in LINE	<u> </u> = 1	cfs	fps				
1	1E	<b>'</b> 5		0.28	10.32	2.89	0.010	12	HDPE	3.86	4.91				
2+3	1D+3A	<b>√</b> 5	0.13	0.41	10.32	4.23	0.010	15	HDPE	6.99	5.70				
4+5	2A+1C	<b>.</b> 5	1.20	1.61	10.32	16.62	0.005	24	HDPE	17.32	5.52				
6	1B	<b>5</b>	0.49	2.10	10.32	21.67	0.008	24	HDPE	21.91	6.98				
7+8	1A+6A	-5	0.87	2.97	10.32	30.65	0.020	24	HDPE	34.64	11.03				
F	I 04	·E		I 000	10.00	0.00	0.010	LINE	2,000,000	15.00	0.04				
5	2A	<b>.</b> 5	-	0.93	10.32	9.60	0.018	18	HDPE	15.26	8.64				
							to the state of th	LINE	3						
3	3A	<b>.</b> 5		0.01	10.32	0.10	0.020	8	PVC	2.02	5.79				
						l		LINE	4		<u> </u>				
11	4C	<b>√</b> 5		0.01	10.32	0.10	0.020	8	PVC	2.02	5.79				
	4A	<b>5</b>		0.01	10.32	0.10	0.020	8	PVC	2.02	5.79				
10	4A	<b>5</b>	0.24	0.25	10.32	2.58	0.020	12	HDPE	5.46	6.95				
0	ΕΛ	,E		0.46	10.00	175	0.016	LINE		4.00	600				
9	5A	-5		0.46	10.32	4.75	0.016	12	HDPE	4.88	6.22				
								LINE	6		1				
8	6A	<b>4</b> 5		0.38	10.32	3.92	0.020	12	HDPE	5.46	6.95				

SOURI

REVISIONS:

THIS SHEET HAS BEEN SIGNED, SEALED AND

DATED ELECTRONICALLY

NATHAN THOMAS ECKHOFF MO LICENSE-2003014960

251 NE ALURA WAY LEE'S SUMMIT, JACKSON COUNTY, MISS

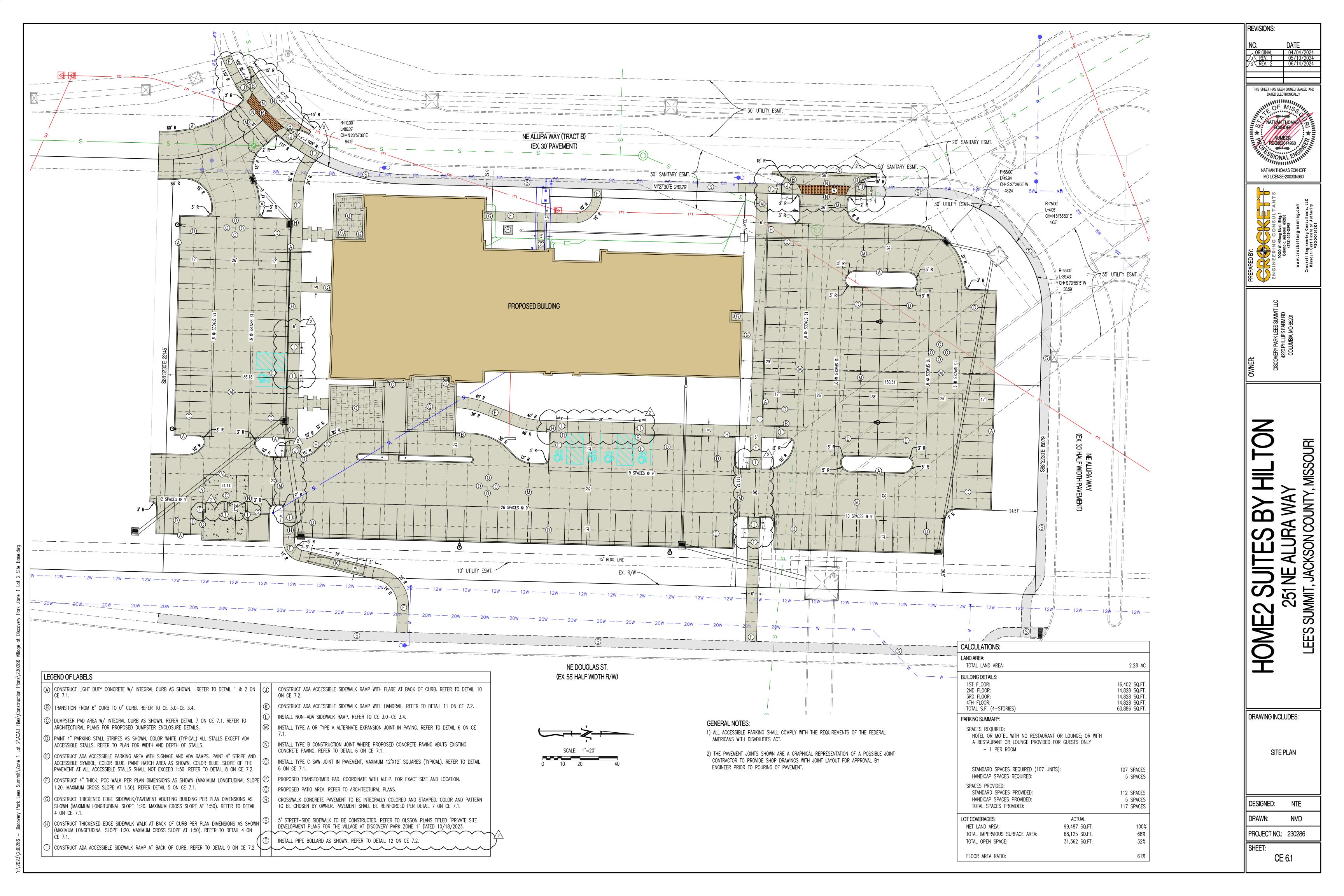
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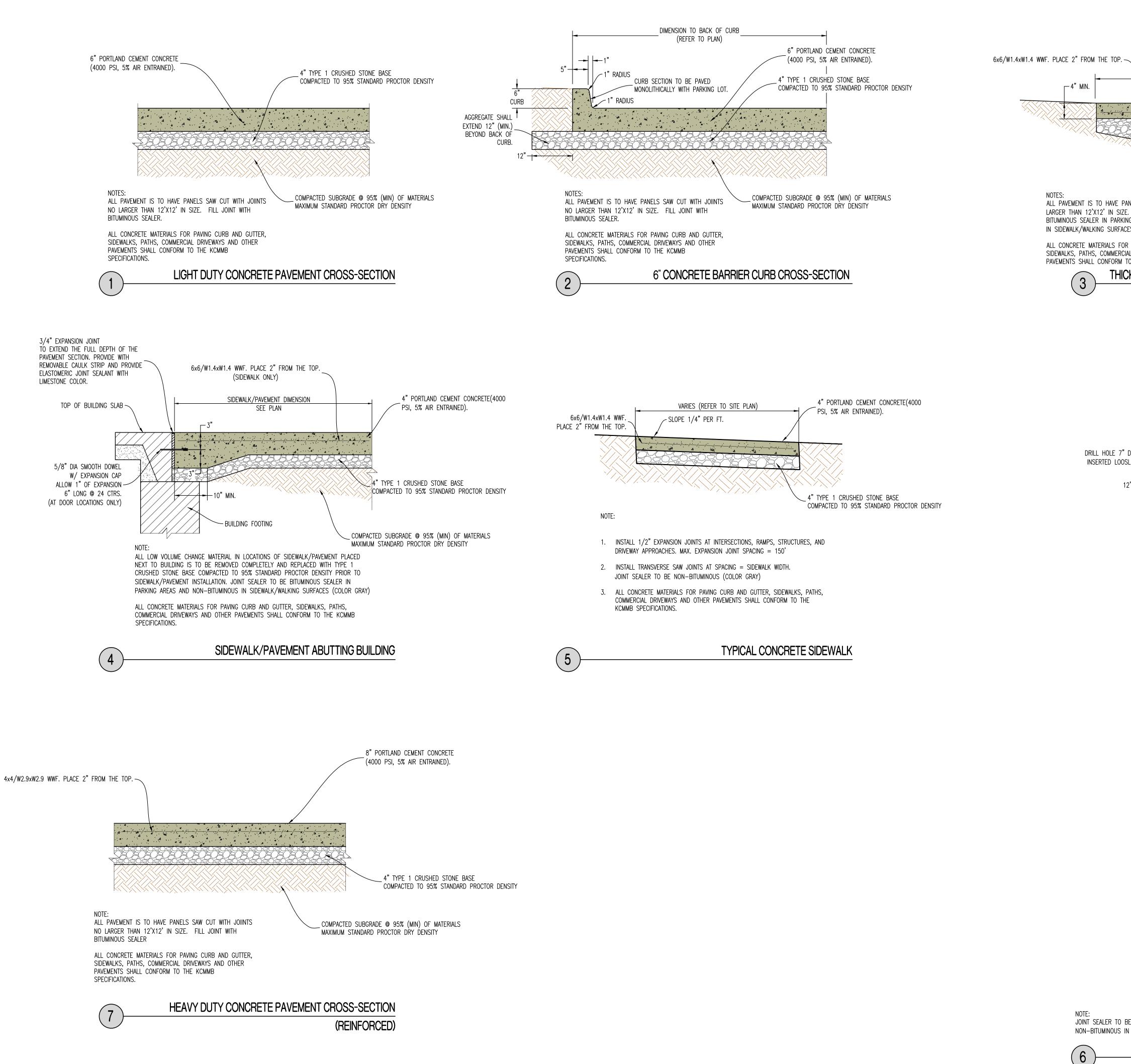
STORM CALCULATIONS

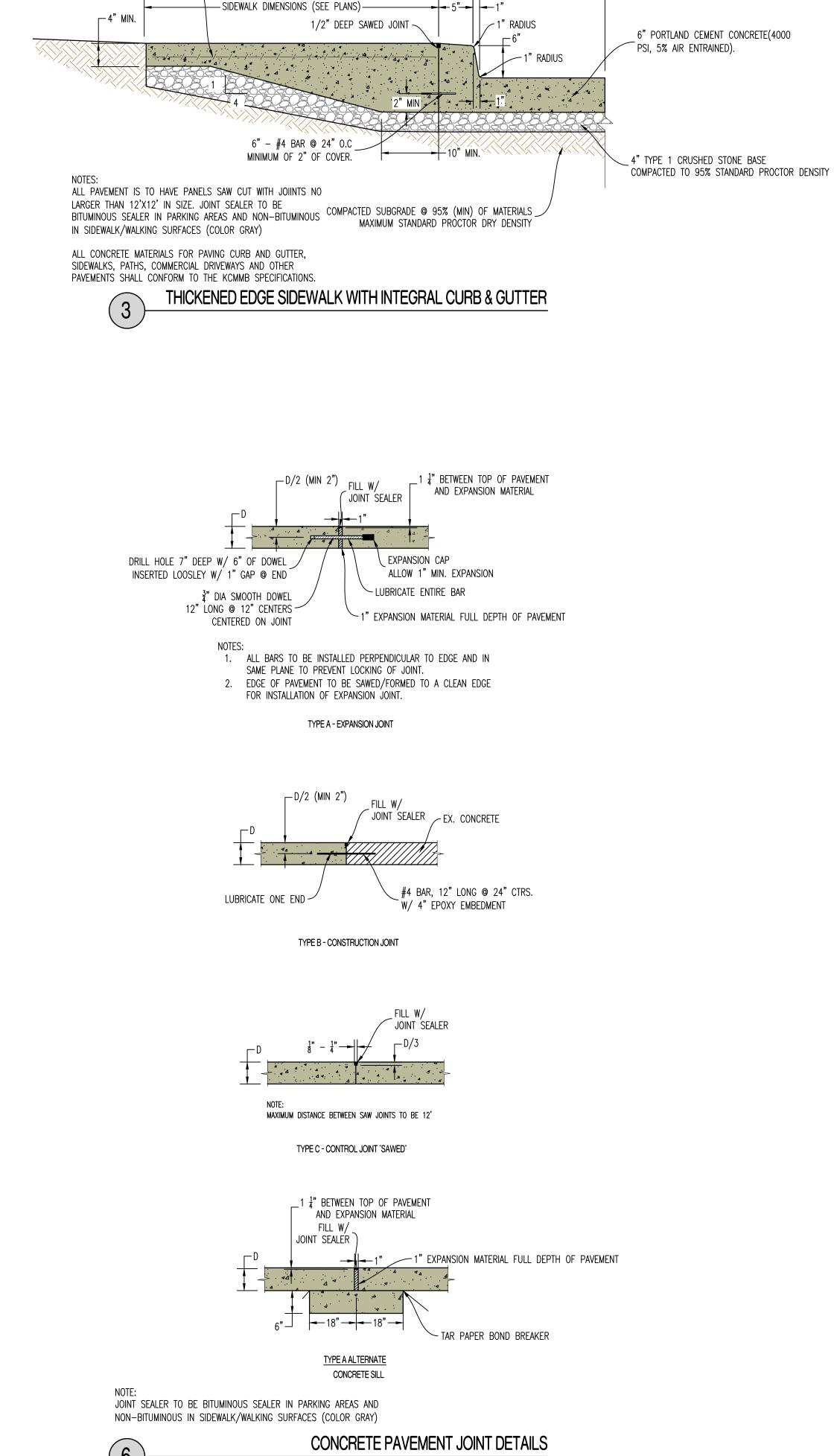
DESIGNED: DRAWN: NMD

PROJECT NO.: 230286

SHEET: CE 5.3







DIMENSION TO BACK OF CURB

(REFER TO PLAN)

PREPARED BY:

DISCOVERY PARK LEES SUMMITTLC

AZZO PHILLIPS FARIN RD

COLUMBIA, MO 65201

WWW.crockett Engineering.com

Crockett Engineering.com

AX

Missouri Certificate of Authority

TY, MISSOURI

Crockett Engineering.com

Company Crocke

JACKSON (

SUMMIT,

LEES

DRAWING INCLUDES:

DESIGNED:

DRAWN:

SHEET:

PROJECT NO.: 230286

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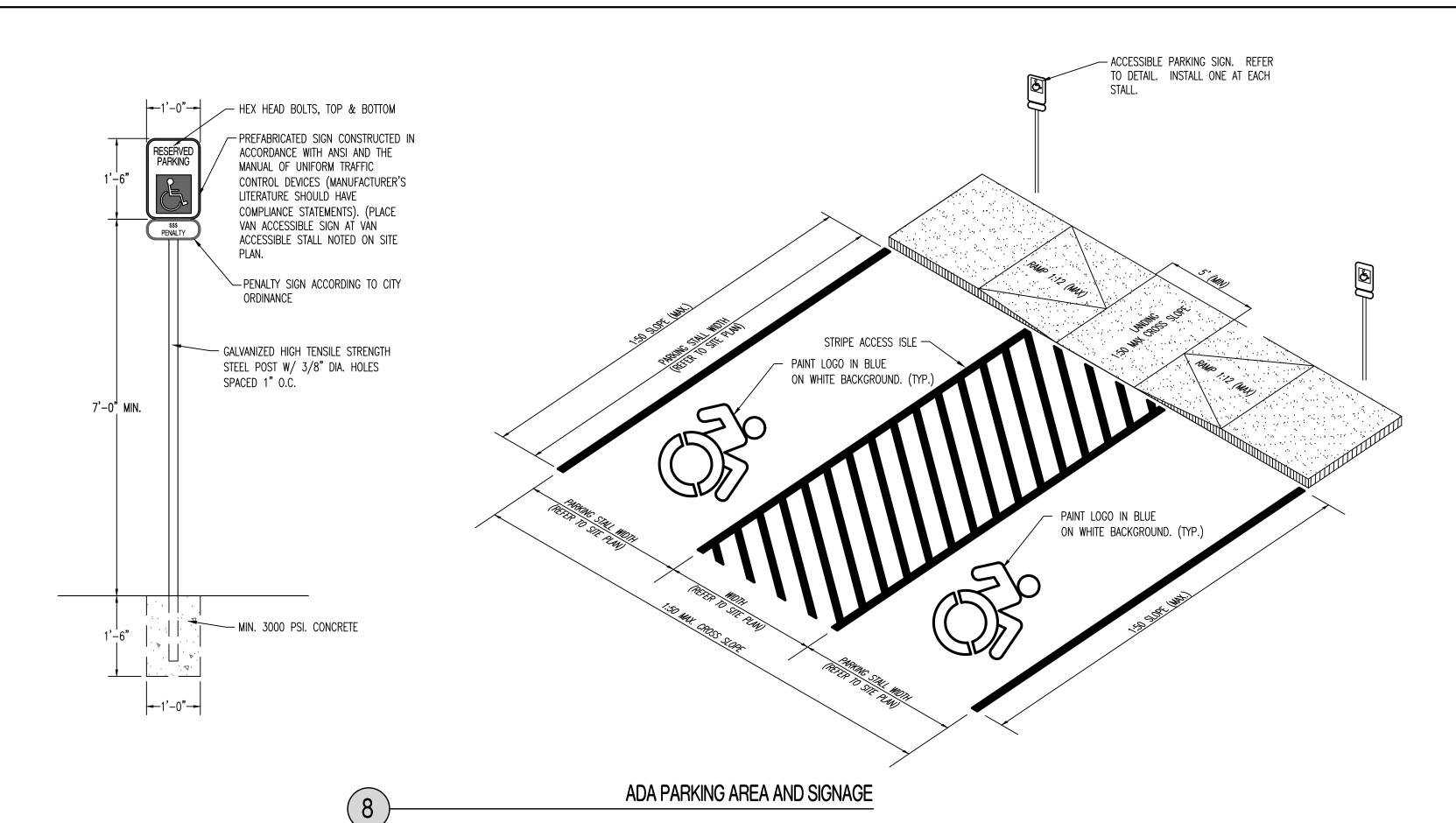
DETAILS SHEET 1

NTE

NMD

REVISIONS:

ORIGINAL 04/04/2024



LANDING AREA
(SEE NOTE 4)

5'-0" MIN
TURF/LANSCAPING

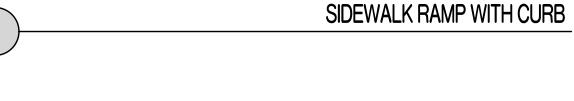
CURB

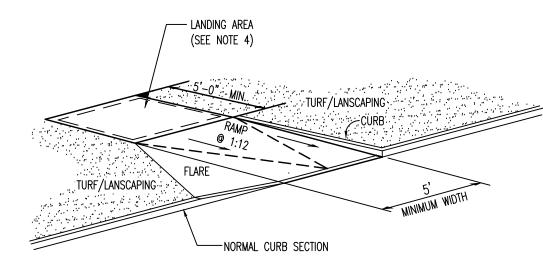
TURF/LANSCAPING

-NORMAL CURB SECTION

#### <u>NOTES</u>

- 1. RAMP SHALL BE 6" THICK (MIN.) PCC CONCRETE WITH 6X6/W1.4XW1.4 WWF. PLACE 2" FROM THE TOP.
- 2. CURB RAMP SHALL NOT HAVE A RISE GREATER THAN 0.5'.
- 3. RAMP LENGTH IS DEPENDENT ON 1:12 MAX. SLOPE. USE FLATTER WHEN POSSIBLE.
- 4. MAIN LANDING AREA AT TOP OF RAMP SHALL BE 4'-0" MIN WIDTH, CROSS SLOPE OF LANDING SHALL NOT EXCEED 2.0% IN ANY DIRECTION.



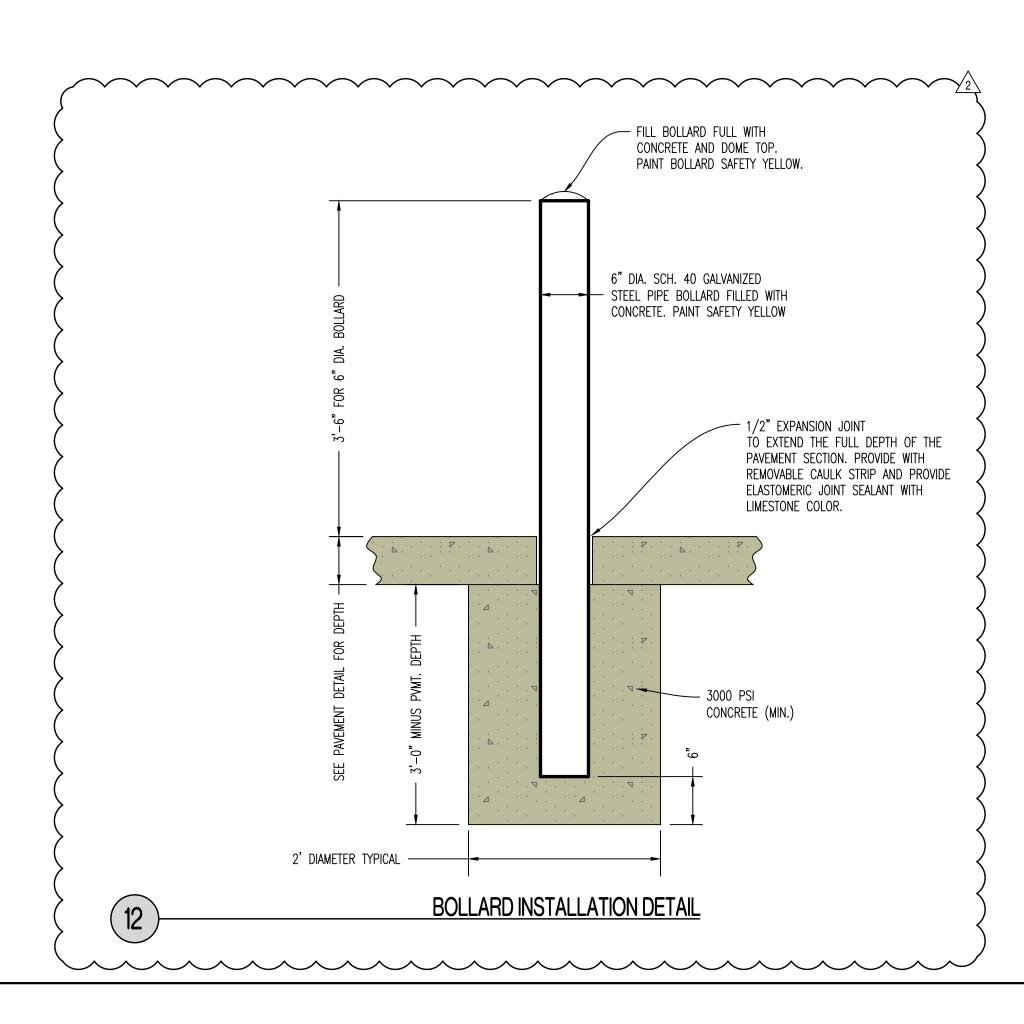


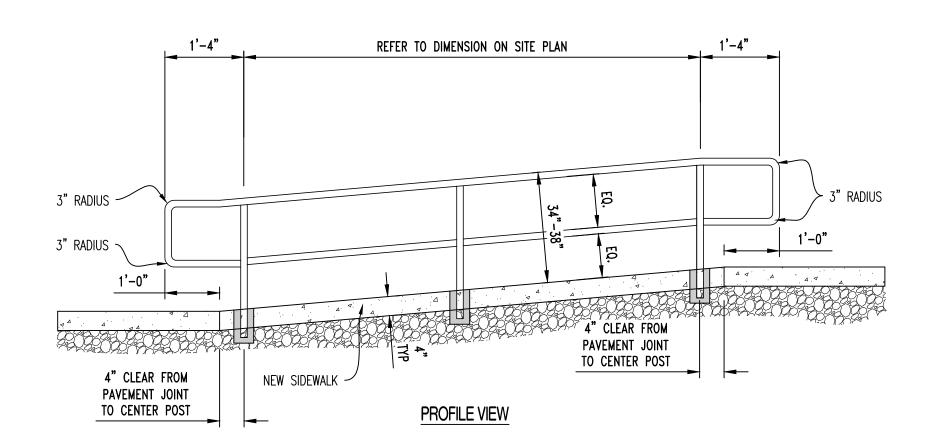
#### <u>NOTES</u>

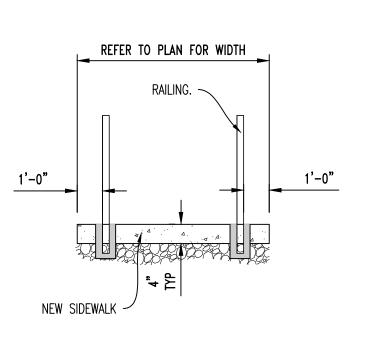
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- 5. FLARE SLOPE NOT TO EXCEED 1:10.



SIDEWALK RAMP WITH CURB AND FLARE







#### **CROSS SECTION**

#### METAL RAILING SPECIFICATIONS

- 1. PROVIDE SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO FABRICATION OR INSTALLATION.
- 2. RAILINGS AND POSTS SHALL BE 1-1/2" DIAMETER ROUND STEEL PIPING IN COMPLIANCE WITH ASTM A53, TYPE F OR TYPE S, GRADE A SCHEDULE 40 PIPING.
- 3. RAILINGS SHALL BE 34"-38" TALL FROM FINISH PAVEMENT GRADE (OR STAIR NOSING) TO THE TOP OF THE TOP RAIL.
- 4. MAIN RAILS AND POSTS SHALL RESIST 50 POUNDS PER LINEAL FOOT LATERALLY AT THE TOP RAIL, AND 200 POUNDS OF CONCENTRATED LOAD LATERALLY.
- 5. INTERMEDIATE RAILS SHALL RESIST A CONCENTRATED LOAD OF 50 POUNDS LATERALLY.
- 6. CUT, DRILL, AND PUNCH METALS CLEANLY AND ACCURATELY. REMOVE BURRS AND EASE EDGES TO A MINIMUM RADIUS OF  $\frac{1}{37}$ , UNLESS OTHERWISE INDICATED. REMOVE SHARP OR ROUGH AREAS ON EXPOSED SURFACES.
- 7. COPE COMPONENTS AT CONNECTIONS TO PROVIDE CLOSE FIT, OR USE FITTINGS DESIGNED FOR THIS PURPOSE. WELD ALL AROUND AT CONNECTIONS, INCLUDING FITTINGS.
- 8. PROVIDE CHANGES IN RAILING DIRECTION BY USING PREFABRICATED ELBOW AND RADIUS FITTINGS.
- 9. PROVIDE WEEP HOLES AT THE BASE OF ALL POSTS AND ANYWHERE WATER OR CONDENSATION MAY ACCUMULATE INSIDE RAILING SECTIONS
- 10. PROVIDE SHOP PRIMER FORMULATED FOR GALVANIZED STEEL. PROVIDE HOT-DIP GALVANIZED FINISH IN COMPLIANCE WITH ASTM A123. FOR ALL COMPONENTS. POWDER COATED BLACK WITH HIGH GLOSS ENAMEL PAINT. VERIFY FINAL COLOR WITH OWNER PRIOR TO PAINTING.
- 11. CLEAN FIELD WELDS AND REPAIR GALVANIZING TO COMPLY WITH ASTM A780.
- 12. POSTS SHALL BE SET PLUM WITH A TOLERANCE OF  $\frac{1}{16}$ " IN 3 FEET. ALIGN RAILS SO VARIATIONS FROM LEVEL FOR HORIZONTAL MEMBERS AND VARIATIONS FROM PARALLEL WITH RAKE OF STEPS AND RAMPS FOR SLOPING MEMBERS DO NOT EXCEED  $\frac{1}{4}$  INCH IN 12 FEET.
- 13. PROVIDE 4" SLEEVES OR CORE DRILL CONCRETE. MINIMUM 4" RAIL EMBEDMENT BELOW PAVEMENT SECTIONS SHOWN TO RECEIVE POSTS. GROUT AROUND AROUND POSTS WITH NON-SHRINK GROUT. MIN 2" OF GROUT BELOW BOTTOM OF POST. SLOPE TOP OF GROUT OF DRAIN.
- 14. CAULK JOINT BETWEEN GROUT AND METAL POST WITH APPROVE JOINT SEALANT. COORDINATE COLOR WITH OWNER.



HANDRAIL DETAIL

REVISIONS:

NO. DATE

ORIGINAL 04/04/202

2 REV. 2 06/14/202

THIS SHEET HAS BEEN SIGNED, SEALED AT DATED ELECTRONICALLY

OF M/SS

NATHAN THOMAS

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

OF M/S

NATHAN THOMAS

PECKHOEF

NUMBER

RE-2003014960

NATHAN THOMAS ECKHOFF

MO LICENSE-2003014960

ENGINEERING CONSULTANT
1000 W. Nifong Blvd., Bldg. 1
Columbia, Missouri 65203
(573) 447-0292
www.crockettengineering.com

DISCOVERY PARK LEES SUMMIT LLC 4220 PHILLIPS FARM RD COLUMBIA, MO 65201

JONIEZ JOITES DI TILLION 251 NE ALURA WAY LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

DRAWING INCLUDES:

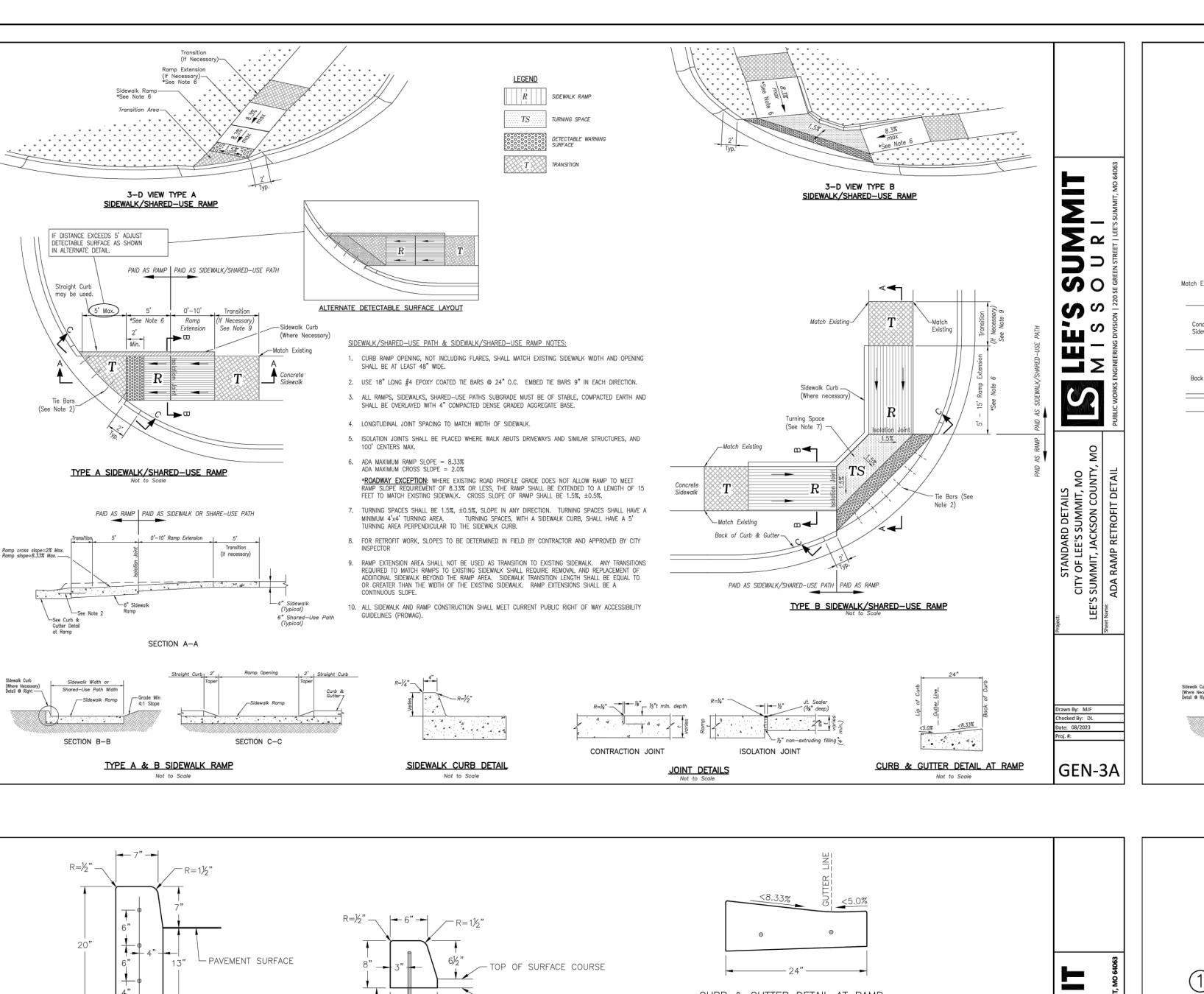
DETAILS SHEET 2

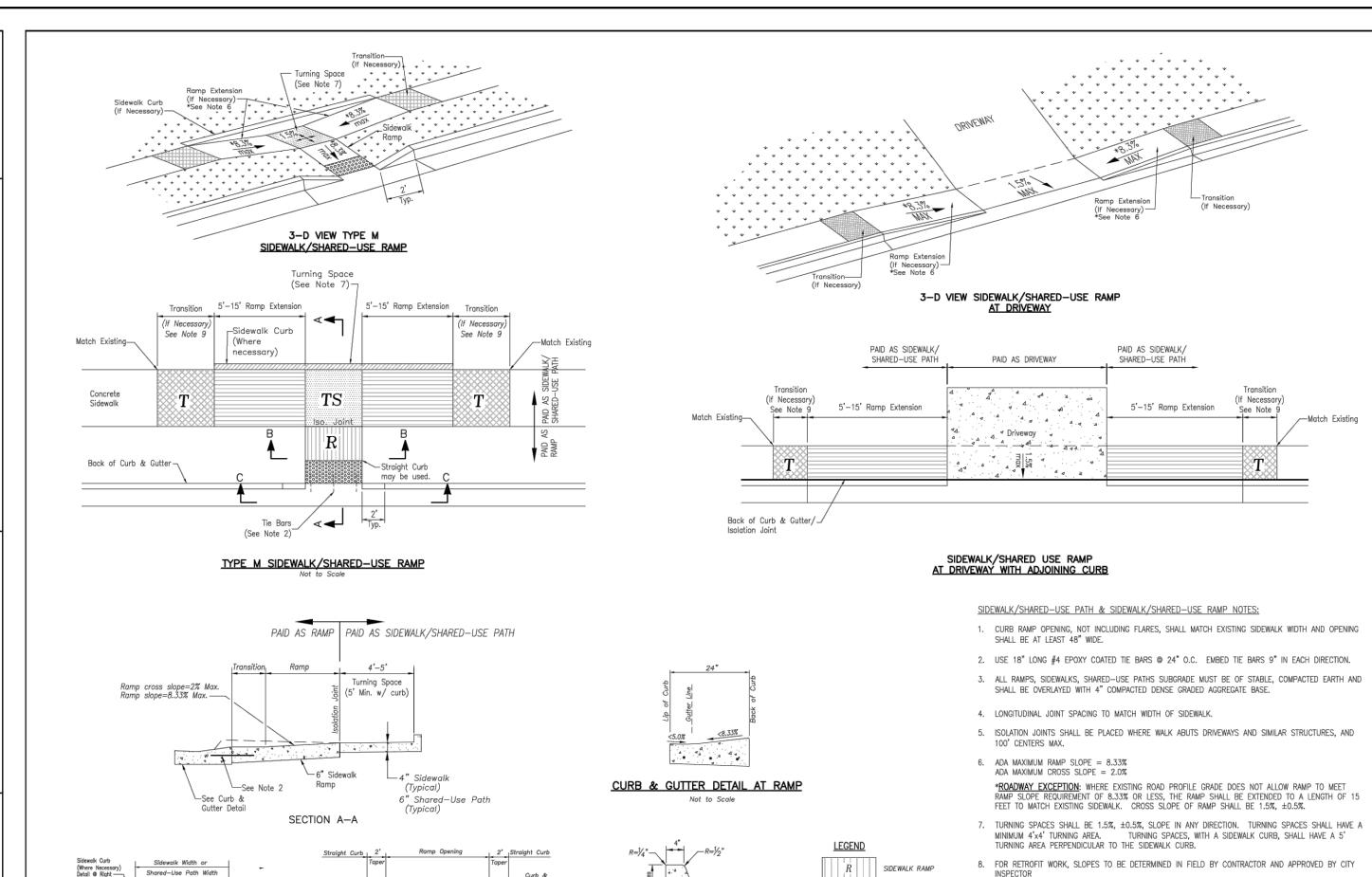
DESIGNED: NTE

DRAWN: NMD
PROJECT NO.: 230286

SHEET:

CE 7.2

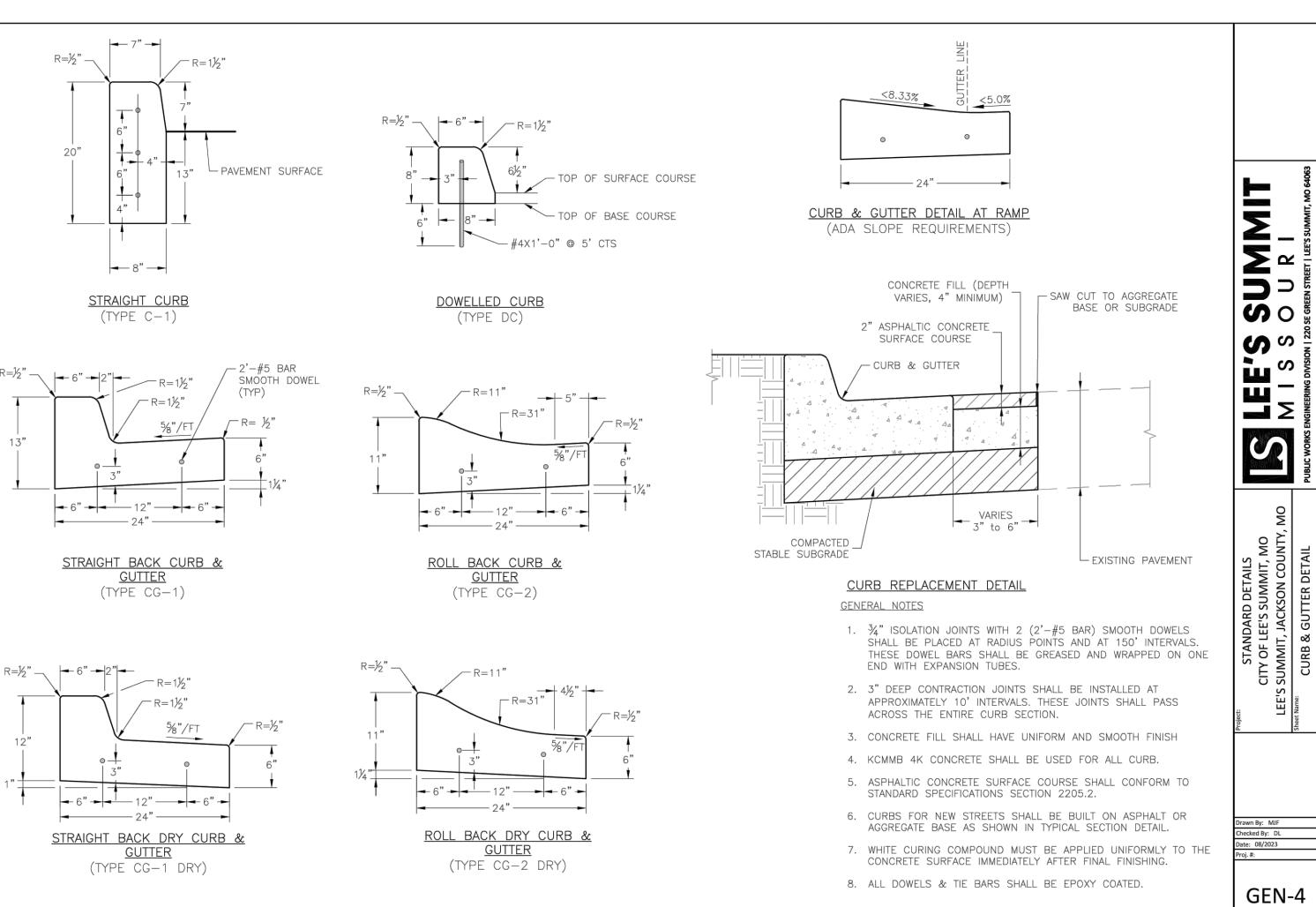


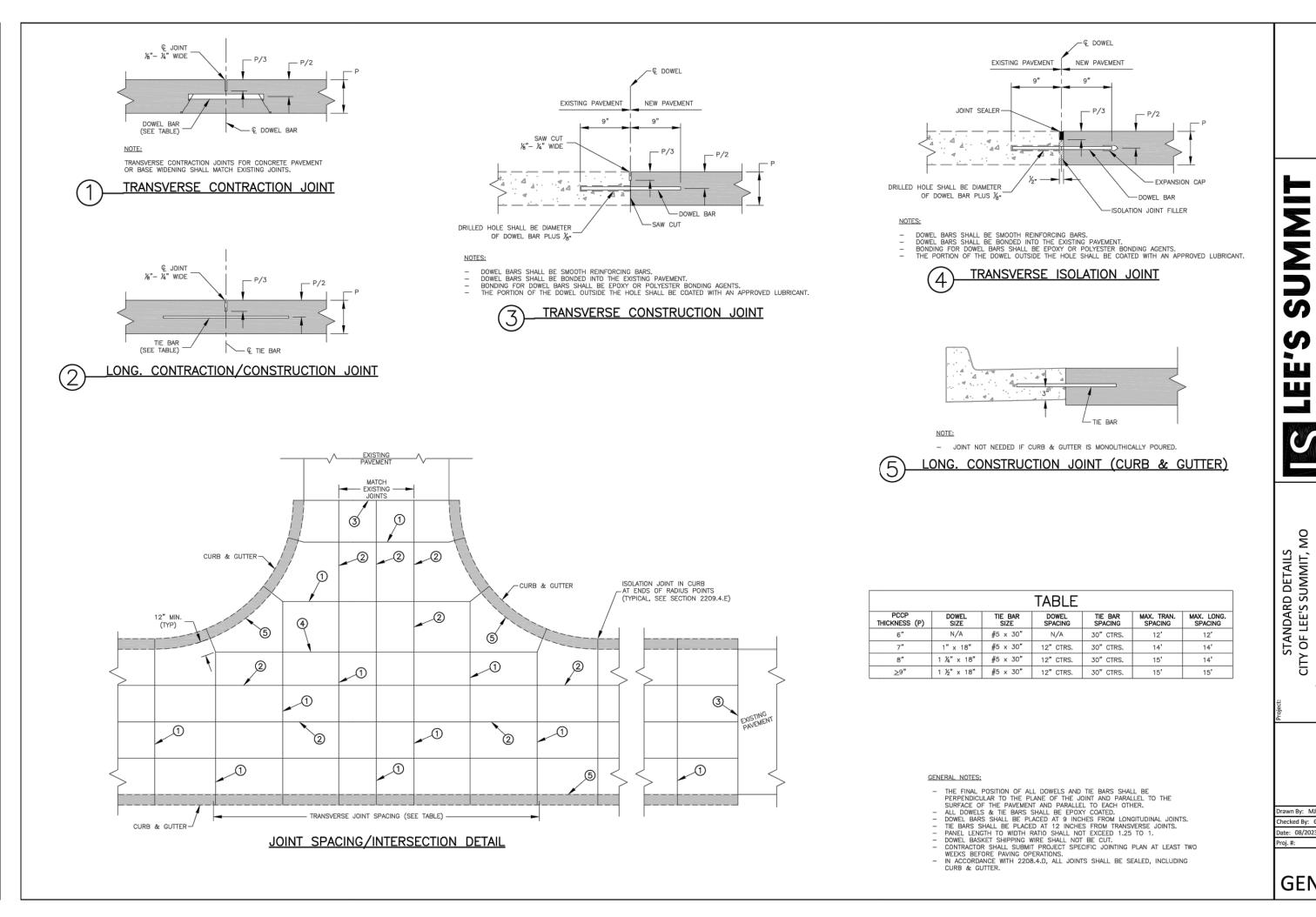


SECTION B-B

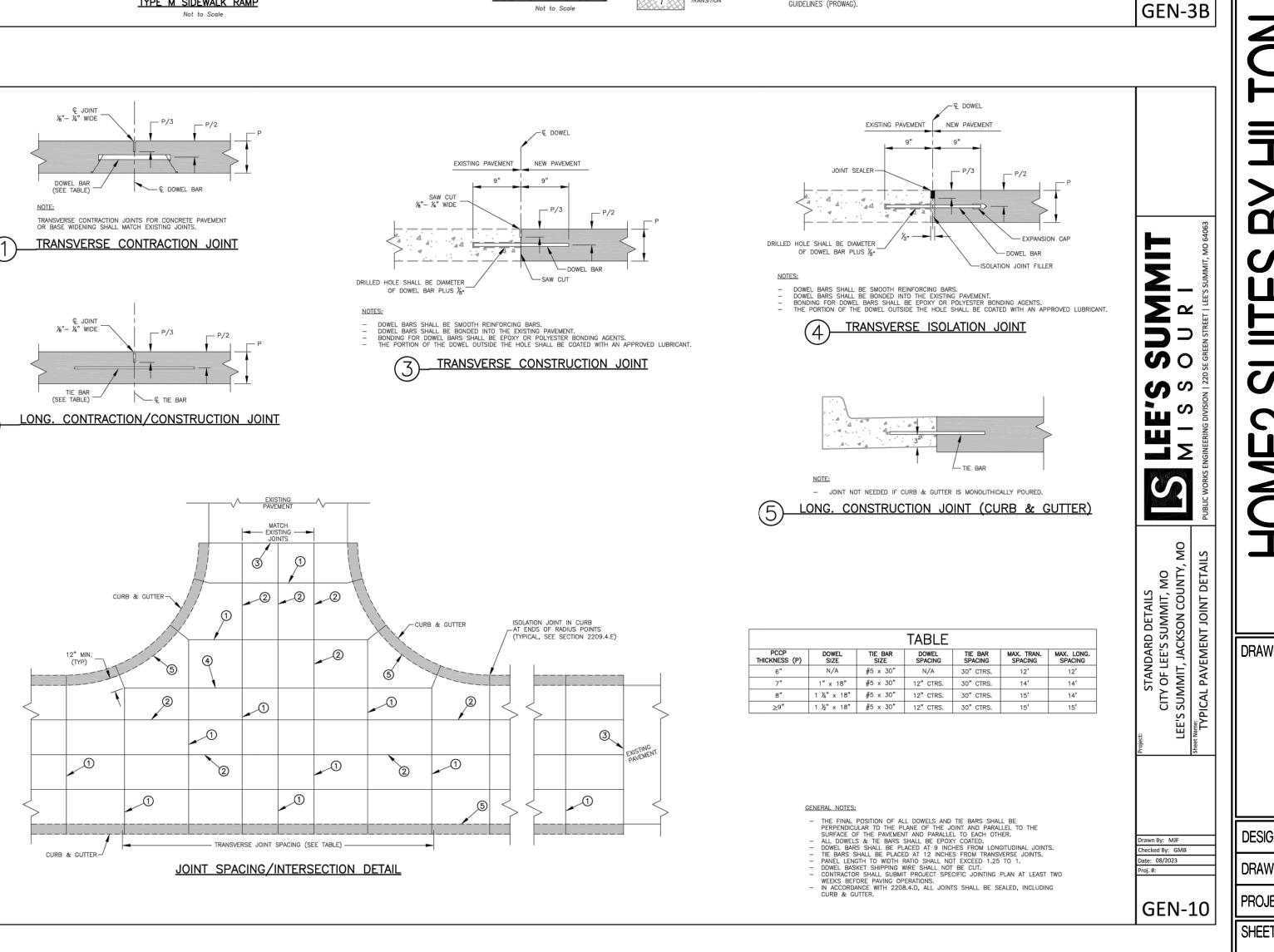
SECTION C-C

TYPE M SIDEWALK RAMP





SIDEWALK CURB DETAIL



TS TURNING SPACE

ORIGINAL 04/04/2024 1 REV. 1 05/10/2024 THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY 50 NATHAN THOMAS ECKHOFF S MO LICENSE-2003014960

RAMP EXTENSION AREA SHALL NOT BE USED AS TRANSITION TO EXISTING SIDEWALK. ANY TRANSITIONS

REQUIRED TO MATCH RAMPS TO EXISTING SIDEWALK SHALL REQUIRE REMOVAL AND REPLACEMENT OF ADDITIONAL SIDEWALK BEYOND THE RAMP AREA. SIDEWALK TRANSITION LENGTH SHALL BE EQUAL TO OR GREATER THAN THE WIDTH OF THE EXISTING SIDEWALK. RAMP EXTENSIONS SHALL BE A

10. ALL SIDEWALK AND RAMP CONSTRUCTION SHALL MEET CURRENT PUBLIC RIGHT OF WAY ACCESSIBILITY

CONTINUOUS SLOPE.

GUIDELINES (PROWAG).

REVISIONS:

SOURI WA SUMMIT EE'S

DRAWING INCLUDES:

LEE'S SUMMIT SITE DETAILS

DESIGNED:

PROJECT NO.: 230286

SHEET:

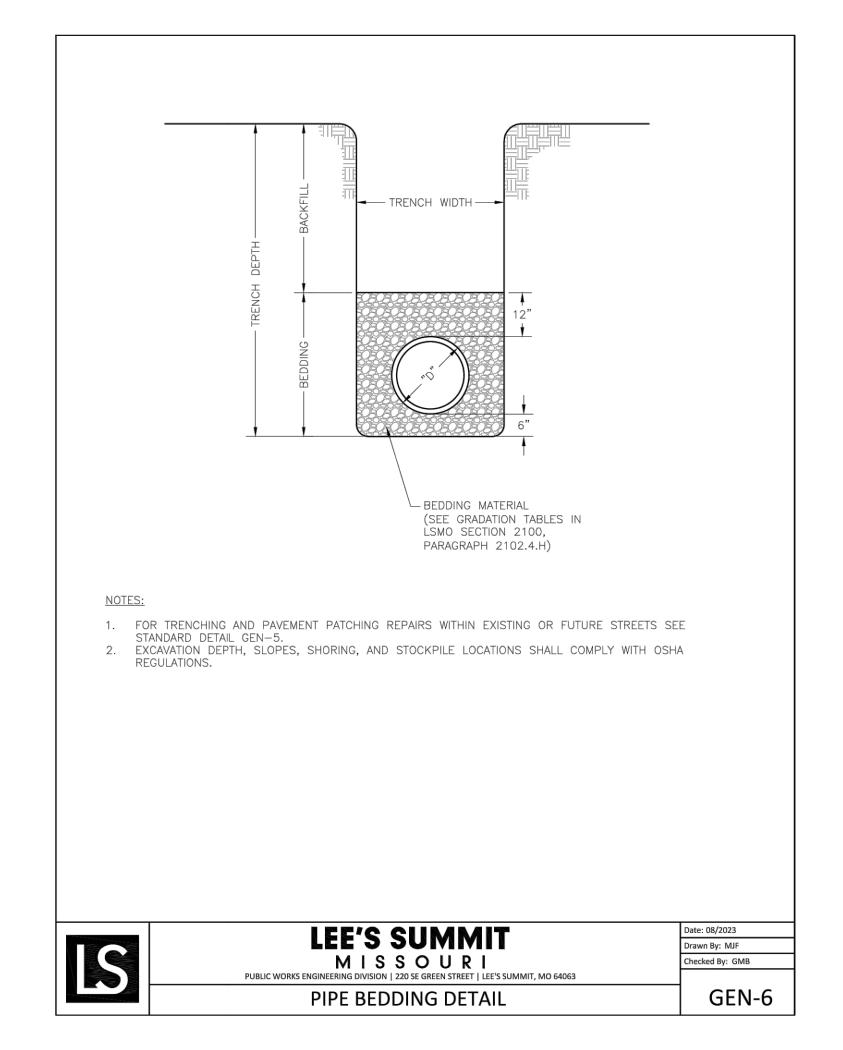
NMD

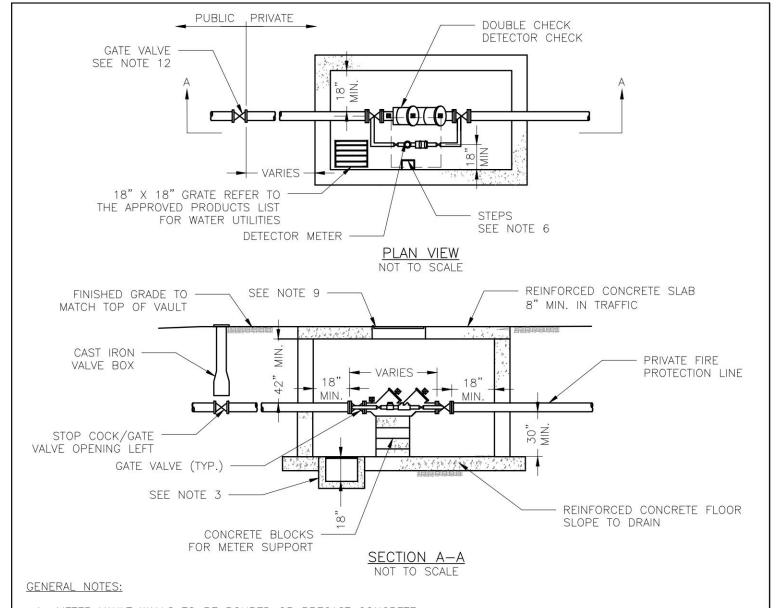
**CE** 7.3

#### NOTES:

- METER INSTALLATION SHALL NOT BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC OR IN CONCRETE PAVEMENT WITHOUT CITY APPROVAL.
- 2. IF METER IS TO BE LOCATED OTHER THAN IN FRONT OF PROPERTY LINE, CITY APPROVAL SHALL BE OBTAINED.
- 3. CITY TO FURNISH ITEMS A-K. 4. NO OTHER EQUIPMENT SHALL BE INSTALLED IN THIS PIT.
- 5. 42" MINIMUM BURY DEPTH FOR ALL SERVICE LINES.6. EXCAVATION FOR TAP TO EXPOSE 4 LINEAR FEET OF MAIN.
- 7. NO SPLICES ALLOWED BETWEEN METER AND MAIN.
- 8. SERVICE CONNECTION TAP AT APPROXIMATELY 45 DEGREES.
  9 LID AND RISER RING SHALL BE SET SO THAT GROUND WATER WILL DRAIN AWAY FROM THE WELL.
  10. CONTACT WATER UTILITIES, 816-969-1900, FOR REQUIREMENTS OF A METER LARGER THAN 2"

	LEE'S SUMMIT	Date: 08/2023
	ree 2 20 IAIIAII I	Drawn By: MJF
	MISSOURI	Checked By: KLY
	PUBLIC WORKS ENGINEERING DIVISION   220 SE GREEN STREET   LEE'S SUMMIT, MO 64063	
	SERVICE CONNECTION WITH METER WELL	WAT-11



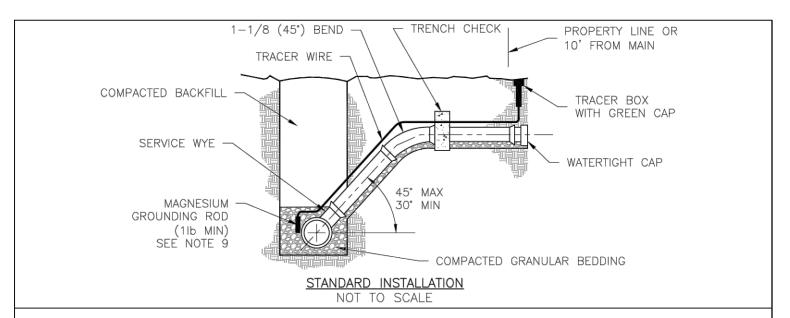


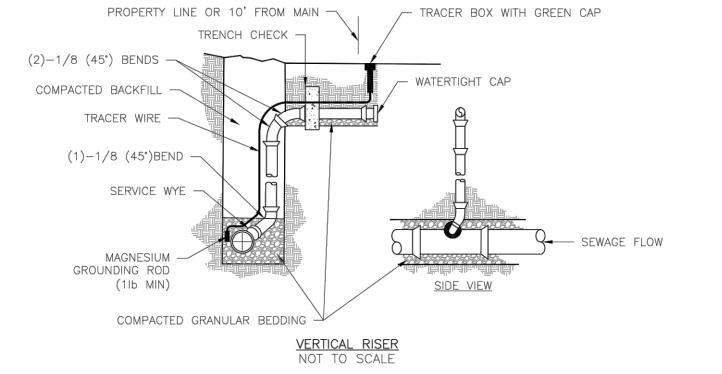
- METER VAULT WALLS TO BE POURED OR PRECAST CONCRETE.
   METER VAULT ROOF TO BE REINFORCED CONCRETE OPENING CENTERED OVER DETECTOR METER.
   METER VAULT TO BE LOCATED, WHEN POSSIBLE, OUTSIDE TRAFFIC AREA WHERE SURFACE WATER WILL NOT DRAIN INTO IT. VAULT MUST BE KEPT FREE OF WATER. PROVIDE CONCRETE SUMP AS A MINIMUM. WHERE PRACTICAL, PROVIDE A 2" PIPE DRAIN WITH AN ABOVE-GROUND DISCHARGE POINT. PROJECT OWNER MAY DESIRE A PERMANENTLY INSTALLED SUMP PUMP.
- 4. ALL PIPE SHALL BE DUCTILE IRON CLASS 50. ALL PIPE FITTINGS FROM THE CITY WATER MAIN THROUGH THE VAULT SHALL BE PROVIDED WITH RESTRAINED JOINT FITTINGS.
- 5. ALL FITTINGS TO BE BRASS.
  6. STEPS SHALL BE IN ACCORDANCE WITH THE APPROVED PRODUCTS LIST FOR WATER UTILITIES AND SHALL BE ON 16"
- 7. A DEPARTMENT OF NATURAL RESOURCES APPROVED DOUBLE CHECK DETECTOR CHECK BACKFLOW PREVENTER MUST BE USED. FOR A COPY OF THE MISSOURI DEPARTMENT OF NATURAL RESOURCES APPROVED BACKFLOW PREVENTION ASSEMBLIES, CONTACT THE WATER UTILITIES OPERATIONS DIVISION AT 816-969-1940. AS OF JANUARY 1, 1987, THE DNR REQUIRES FIRE SPRINKLER SYSTEMS USING CHEMICALS TO HAVE A DNR APPROVED PRESSURE BACKFLOW PREVENTER INSTALLED, PRIOR TO THE MIXING POINT.
- 8. ALL VALVES SHALL HAVE RISING STEMS. 9. FOR MANHOLE COVERS, SELECT A MANHOLE FOUND ON THE APPROVED PRODUCTS LIST FOR WATER UTILITIES
- SUITABLE FOR EITHER TRAFFIC OR NON-TRAFFIC CONDITIONS.

  10. A MINIMUM OF 18" CLEARANCE SHALL BE PROVIDED AROUND ALL PIPING, VALVES, APPURTENANCES, ETC.
- 11. METER SHALL BE OWNED AND MAINTAINED BY THE WATER UTILITIES DEPARTMENT.

  12. IF PUBLIC WATER IS LOCATED ON THE OPPOSITE SIDE OF THE STREET, THEN THE PUBLIC WATER MAIN RESPONSIBILITY OF THE WATER UTILITIES DEPARTMENT ENDS AT THE GATE VALVE NEAREST THE VAULT.







ALL SEWER STUBS SHALL BE CONSTRUCTED TO PROPERTY LINE OR 10' MINIMUM FROM THE MAIN, WHICHEVER IS GREATER. WHERE SIDEWALKS ARE PRESENT, CONTRACTOR SHALL EXTEND SERVICE LINE UNDER EXISTING SIDEWALK TO TWO FEET BEYOND.

- 2. IMPERVIOUS TRENCH CHECKS SHALL BE PLACED ON BUILDING SEWER STUBS (AT LEAST 5' AWAY FROM THE SANITARY SEWER MAIN).
  3. TRENCH CHECKS ON THE BUILDING SEWER STUBS SHALL EXTEND 6" BELOW THE BOTTOM OF THE PIPE. LENGTH
  SHALL BE A MINIMUM OF 12". THE HEIGHT OF THE TRENCH CHECK SHALL EXTEND 12" ABOVE THE TOP OF THE PIPE.
- THE WIDTH OF THE TRENCH CHECK SHALL BE THE WIDTH OF THE TRENCH.

  4. SEE SPECIFICATION SECTION 2100 FOR SEWER MAIN BEDDING AND BACKFILL.

  5. TRACER WIRE SHALL BE INSTALLED PER SPECIFICATION SECTION 3500. TRACER WIRE TERMINAL BOXES SHALL BE
- 5. TRACER WIRE SHALL BE INSTALLED PER SPECIFICATION SECTION 3500. TRACER WIRE TERMINAL BOXES SHALL BE INSTALLED DIRECTLY ABOVE THE SEWER SERVICE OR AS DETERMINED BY THE ENGINEER.

  6. FOR SERVICES, TRACER WIRE SHALL RUN FROM THE WYE AND TERMINATE IN A FLUSH MOUNTED TRACER BOX WITH A
- 7. TRACER WIRE BOX SHALL BE INSTALLED WITHIN 1.0' OF PROPERTY LINE. 8. THE TRACER WIRE SHALL REMAIN CONTINUOUS TO THE GREATEST EXTENT POSSIBLE. SPLICES IN THE TRACER WIRE

GREEN CAST IRON LOCKABLE TOP. WIRE SHALL BE TAPED OR TIED TO THE PIPE AT 5' INTERVALS.



SOURI

REVISIONS:

ORIGINAL 04/04/2024 1 REV. 1 05/10/2024

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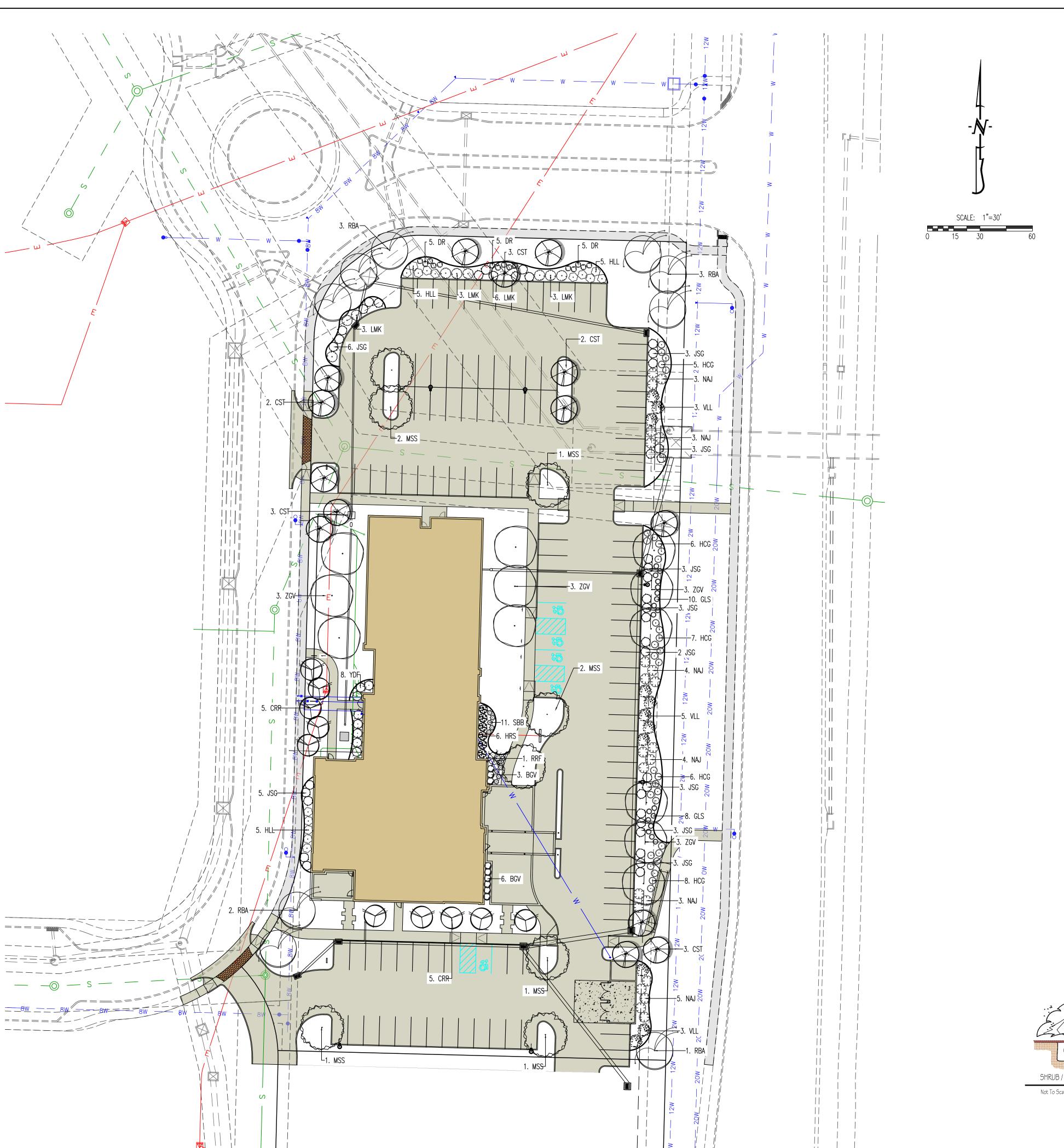
NATHAN THOMAS ECKHOFF

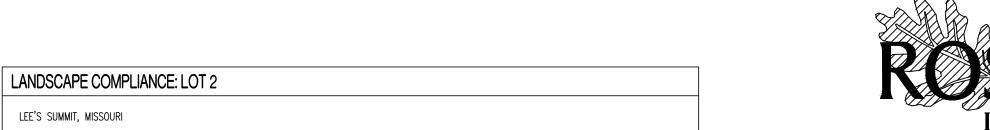
MO LICENSE-2003014960

DESIGNED: NTE

DRAWN: NMD
PROJECT NO.: 230286

SHEET: CE 7.4





17 TREES REQUIRED 17 TREES PROPOSED

34 SHRUBS REQUIRED 34 SHRUBS PROPOSED

141 SHRUBS REQUIRED 143 SHRUBS PROPOSED

REVISIONS:

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NATHAN THOMAS ECKHOFF MO LICENSE-2003014960

LEE'S SUMMIT, MISSOURI CODE OF ORDINANCES: DIVISION III - LANDSCAPING, BUFFERS, AND TREE PROTECTION SITE ZONED: CP-2, PROPOSED: PMIX

STREET FRONTAGE TREES

1 TREE PER 30 FEET OF STREET FRONTAGE

NE DOUGLAS STREET - 467 LF STREET FRONTAGE ALURA WAY - 611 LF STREET FRONTAGE

16 TREES REQUIRED 16 TREES PROPOSED 21 TREES REQUIRED 21 TREES PROPOSED

OPEN YARD TREES

1 TREE PER 5,000 SF OF TOTAL LOT AREA, EXCLUDING BUILDING FOOTPRINT

TOTAL LOT AREA = 82,775 SF

STREET FRONTAGE SHRUBS

1 SHRUB PER 20 FEET OF STREET FRONTAGE

24 SHRUBS REQUIRED 24 SHRUBS PROPOSED NE DOUGLAS STREET - 467 LF STREET FRONTAGE 31 SHRUBS REQUIRED 31 SHRUBS PROPOSED ALURA WAY - 611 LF STREET FRONTAGE

OPEN YARD SHRUBS

2 SHRUBS PER 5,000 SF OF TOTAL LOT AREA, EXCLUDING BUILDING FOOTPRINT

TOTAL LOT AREA = 82,775 SF

PARKING LOT SCREENING

12 SHRUBS PER 40 LF OF PARKING LOT PARKING SPACES ALONG PUBLIC ROADWAY TOTAL PARKING FRONTAGE LF = 468 LF

*PARKING LOT SCREENING AND OPEN YARD SHRUBS COMBINED TO ACHIEVE REQUIRED TOTALS

QUANTITY	SYMBOL	PLANT NAME	PLANT TYPE	SIZE
12	ZGV	ZELKOVA 'GREEN VASE'	MEDIUM / LARGE TREE	3"
8	MSS	MIYABI MAPLE 'STATE STREET'	MEDIUM / LARGE TREE	3"
9	RBA	REDBUD 'APPALACHIAN'	ORNAMENTAL TREE	2"
14	CST	CRABAPPLE 'SUGARTYME'	ORNAMENTAL TREE	2"
10	CRR	CRABAPPLE 'ROYAL RAINDROPS'	ORNAMENTAL TREE	2"
1	RRF	REDBUD 'RUBY FALLS'	ORNAMENTAL TREE	2"
22	NAJ	NINEBARK 'AMBER JUBILEE'	DECIDUOUS SHRUB	#5
11	VLL	VIBURNUM 'LEATHERLEAF'	DECIDUOUS SHRUB	#5
15	HLL	HYDRANGEA 'LITTLE LIME'	DECIDUOUS SHRUB	#5
9	LMK	LILAC 'MISS KIM'	DECIDUOUS SHRUB	#5
6	HRS	HYDRANGEA 'RUBY SLIPPERS'	DECIDUOUS SHRUB	#5
11	SBB	SPIREA 'BIG BANG'	DECIDUOUS SHRUB	#5
32	HGC	HYPERICUM 'COBALT N GOLD'	DECIDUOUS SHRUB	#5
15	DR	DRIFT ROSE	DECIDUOUS SHRUB	#5
9	BGV	BOXWOOD 'GREEN VELVET'	EVERGREEN SHRUB	#5
41	JSG	JUNIPER 'SEA GREEN'	EVERGREEN SHRUB	#5
8	YDF	YEW 'DENSI'	EVERGREEN SHRUB	#5
18	GLS	FEATHER REED GRASS 'LIGHTING STRIKE'	ORNAMENTAL GRASS	#5

THE PLANT LIST IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY ALL PLANT COUNTS AND IF A DISCREPANCY EXISTS THE PLAN SHALL GOVERN.

LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR BECOMING AWARE

OF ALL UNDERGROUND UTILITIES, PIPES, AND STRUCTURES. THE LANDSCAPE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR FIELD LOCATION OF ALL UNDERGROUND UTILITY LINES PRIOR

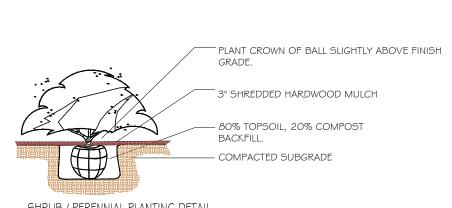
TO ANY EXCAVATION. LANDSCAPE CONTRACTOR TO RECEIVE SITE GRADED TO  $\pm$ 0.10 FOOT OF FINISHED GRADE. PLANTING BACK FILL MIX IS TO CONSIST OF 80% NATIVE TOPSOIL, AND 20% ORGANIC MATTER.

SHRUB BEDS, BERMS, AND TREE WELLS ARE TO BE MULCHED WITH 3-4" DYED HARDWOOD MULCH.

ALL BED AND LAWN AREAS SHALL BE IRRIGATED. ALL LAWN AREAS TO BE SODDED WITH TALL FESCUE SOD.

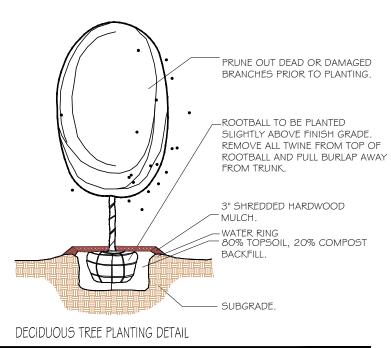
LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF TWELVE MONTHS.

ALL PLANTING BEDS AND TREE RINGS TO BE SEPERATED FROM TURF AREAS BY 'V' TRENCHING. ALL PLANT MATERIAL MUST MEET THE SPECIFICATIONS OF THE AMERICAN ASSOCIATION OF NURSERYMEN. ONLY SHRUBS AND ORNAMENTAL TREES MAY BE PLANTED WITHIN EASEMENTS.



SHRUB / PERENNIAL PLANTING DETAIL

Not To Scale



Not To Scale

DRAWING INCLUDES:

LANDSCAPE PLAN

LEES

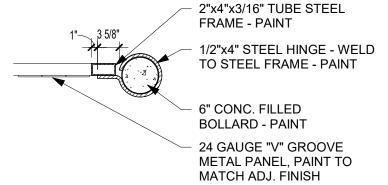
DESIGNED: DRAWN: NMD

PROJECT NO.: 230286

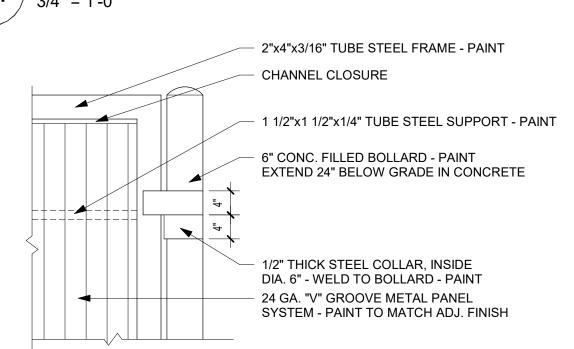
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PRINTS ISSUED 04/17/2024 - CITY SUBMISSION

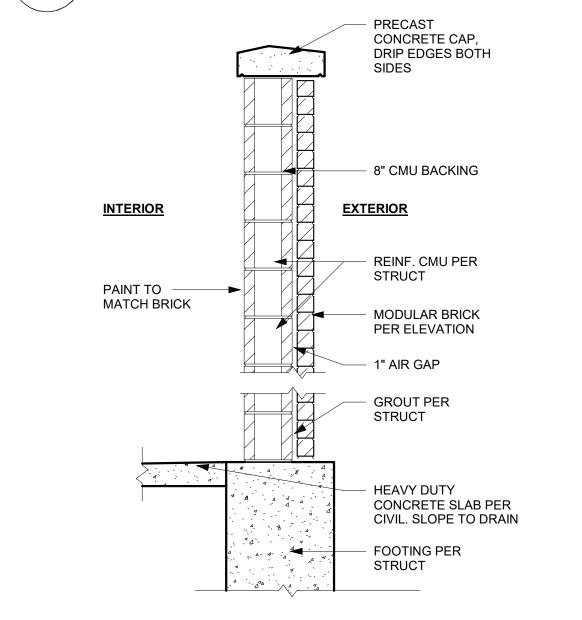
**REVISIONS:** 



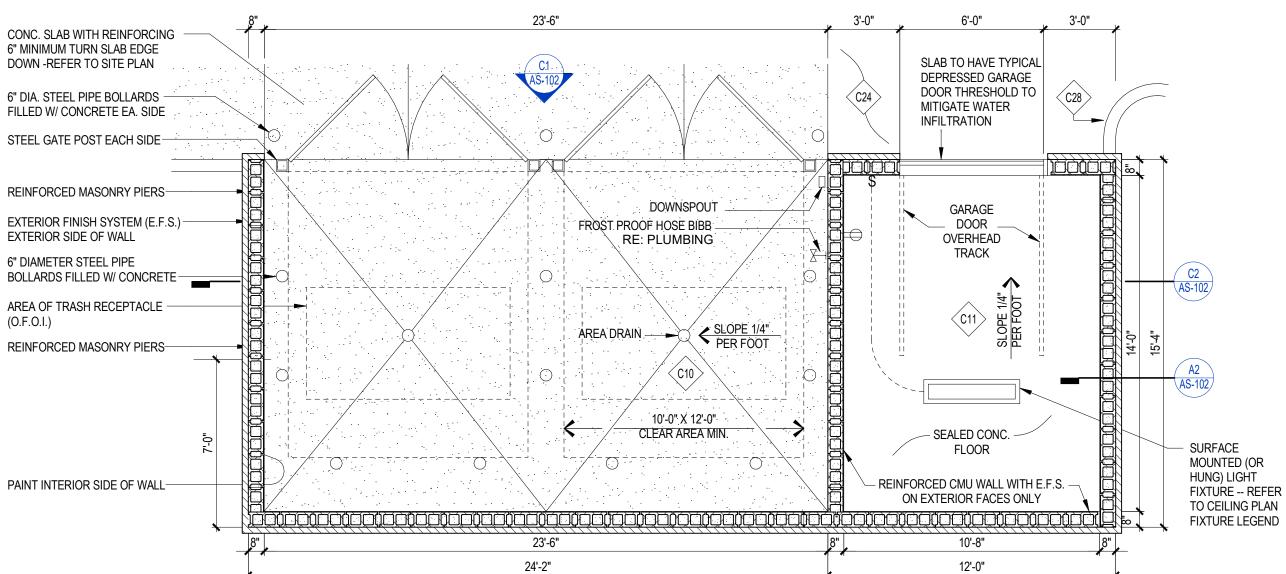
## TRASH GATE CROSS SECTION



### TRASH GATE DETAIL



# A2 SITE - ENCLOSURE - CMU - WALL SECTION



36'-2"

RE: CIVIL & STRUCT DWG FOR ADDITIONAL DETAIL 8" ROUND STL PIPE BOLLARD, GROUTED SOLID; PAINTED

- PAVING; RE CIVIL

CONC. FTG. PER CIVIL

SITE - BOLLARD - STEEL

2"x4"x3/16" TUBE

CHANNEL CLOSER

- 1 1/2"x1 1/2"x1/4" TUBE

- CHANNEL CLOSER

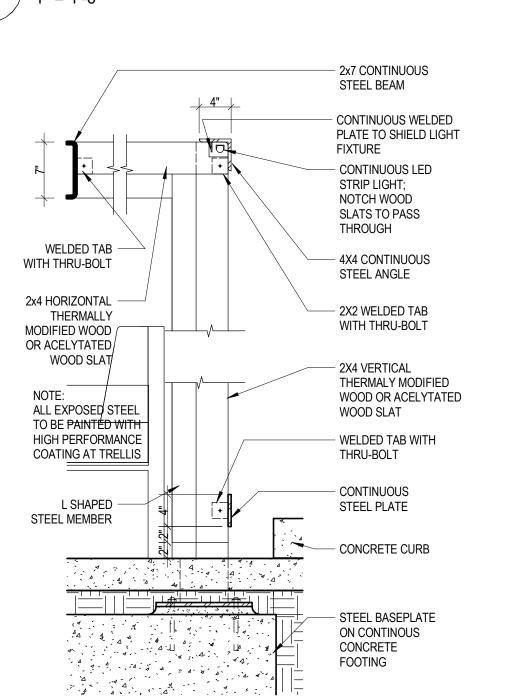
STEEL SUPPORT; PAINT

24 GA. "V" GROOVE METAL PANEL SYSTEM; PAINT TO MATCH ADJ. FINISH

PROVIDE WHEEL ON LARGER GATE

STEEL FRAME;

PAINT



TRELLIS - SLAT CONNECTIONS

TYPICAL SPACING

4x4 CONTINUOUS STEEL ANGLE

WELDED TAB WITH THROUGH BOLT

- 2x4 HORIZONTAL THERMALLY

MODIFIED WOOD OR ACELYTATED

(BEYOND)

WOOD SLAT

- TUBE STEEL BEAM

TUBE STEEL COLUMN

MODIFIED WOOD OR

WELDED TAB WITH THROUGH BOLT - WASHER

ON OPPOSITE SIDE

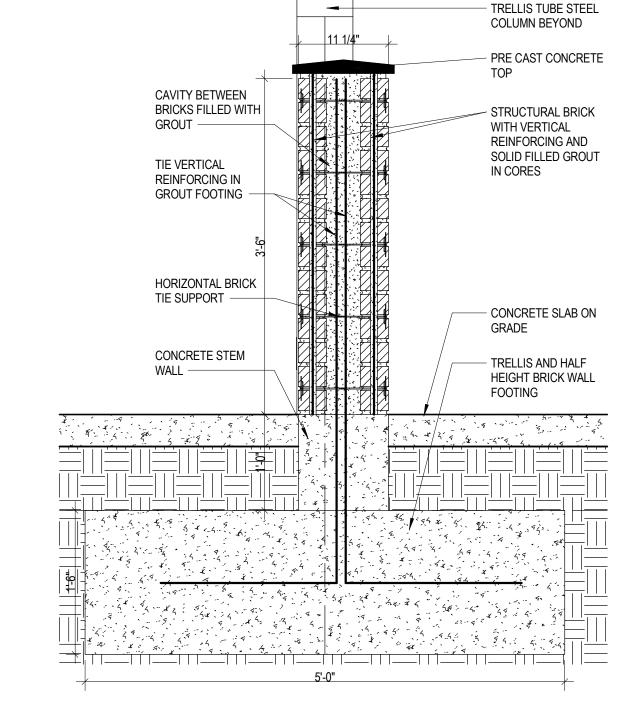
- CONTINUOUS

STEEL PLATE (BEYOND)

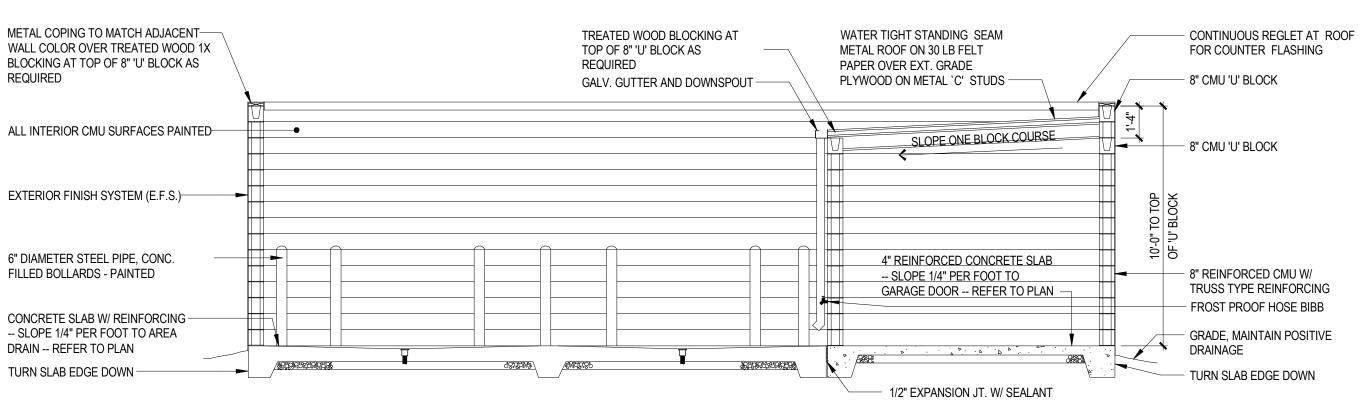
2x4 VERTICAL THERMALLY

ACELYTATED WOOD SLAT

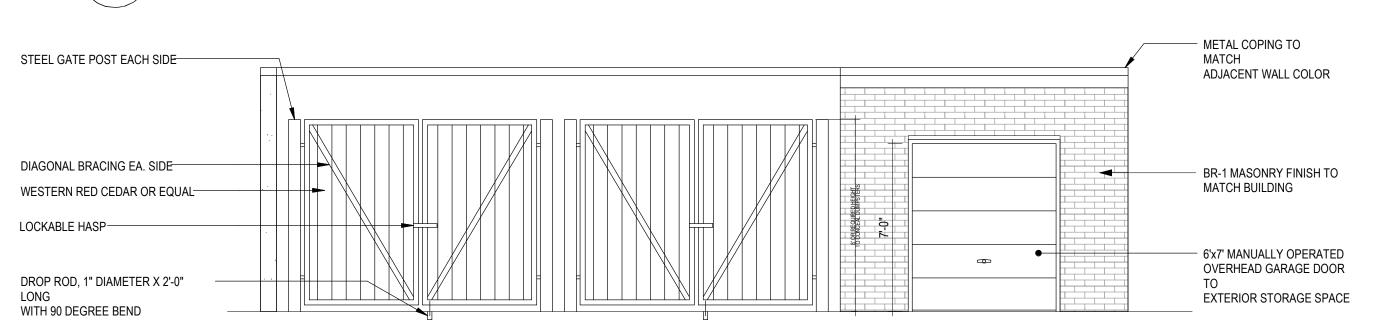




BRICK MASONRY WALL SECTION



STORAGE & TRASH ENLOSURE SECTION



STORAGE & TRASH ENLOSURE ELEVATION

STORAGE & TRASH ENLOSURE PLAN

 $\Box$ **HOME2** 

DAVID EUGEN

SHEET TITLE ARCHITECTURAL SITE AMENITIES

PROJECT NUMBER: 22023

SHEET NUMBER:

NEEDED FOR RECYCLING. DESIGNER TO COORDINATE REQUIREMENTS WITH LOCAL

5. INTERIOR WALLS AND CEILINGS PAINTED FINISH AT MINIMUM

TRASH GATE SECTION

CONC. SLAB WITH REINFORCING 6" MINIMUM TURN SLAB EDGE DOWN -REFER TO SITE PLAN

6" DIA. STEEL PIPE BOLLARDS -

REQUIREMENTS WITH HEALTH INSPECTOR

2. PROVIDE CEILING MOUNTED LIGHT AND DUPLEX OUTLET IN STORAGE 3. DUMPSTER ENCLOSURE EXTERIOR FINISH TO MATCH FINISH OF MAIN HOTEL / TOWER 4. ADDITIONAL SPACE MAY BE

VERIFY DRAINAGE

REINFORCED MASONRY PIERS-EXTERIOR SIDE OF WALL

> 6" DIAMETER STEEL PIPE BOLLARDS FILLED W/ CONCRETE-AREA OF TRASH RECEPTACLE (O.F.O.I.) REINFORCED MASONRY PIERS-

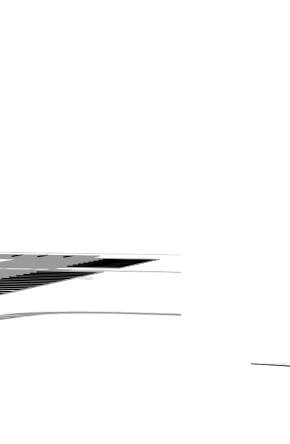
OSemanr & ASSOC

LEE'S SUMMIT

SHEET TITLE FDP PERSPECTIVES

PROJECT NUMBER: 22023 SHEET NUMBER:

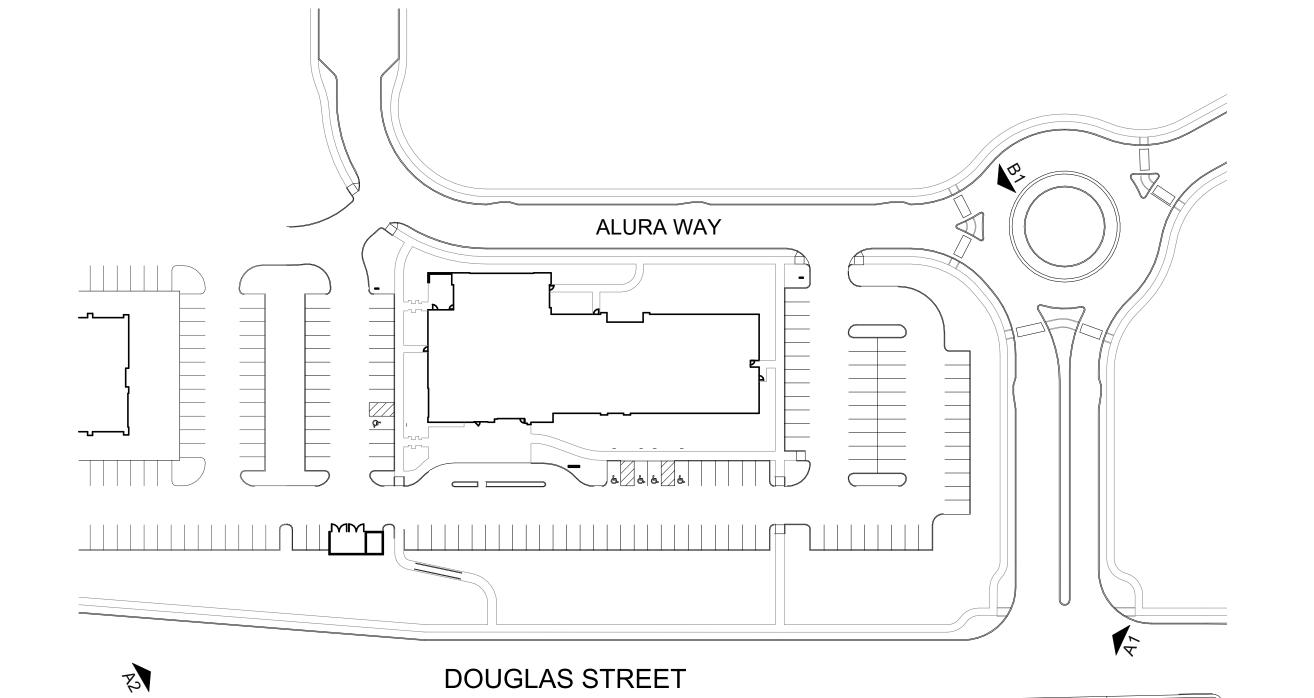
A-204

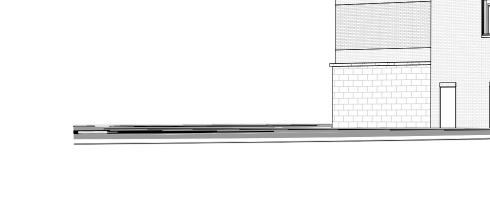


B2 SITE DIAGRAM

1/64" = 1'-0"

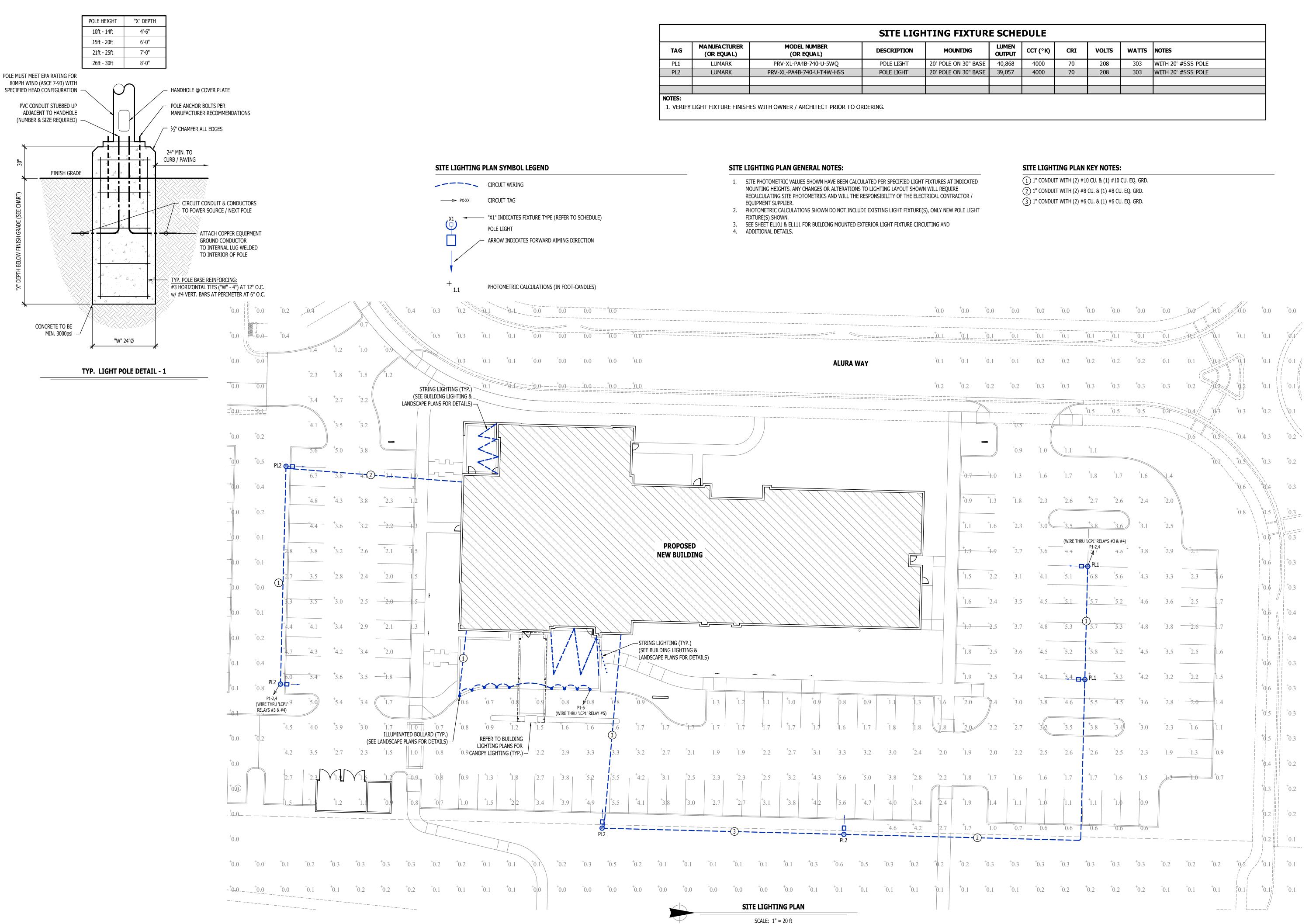
NORTHWEST PERSPECTIVE

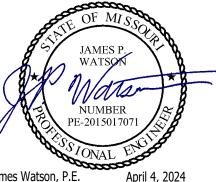






SOUTHEAST PERSPECTIVE





James Watson, P.E. April 4, 2024 PE-2015017071 MO Certificate of Authority # 2018029680



ENGINEERING

2400 Bluff Creek Drive, Suite 101
Columbia, Missouri 65201
573.234.4492

www.j-squaredeng.	com
J2 PROJECT No:	J21005
J2 DESIGN:	ACW

ISSUE TITLE DATE

FDP SUBMITTAL 04 / 04 / 2024

tes By Hilton

MECHANICAL - ELECTRICAL - PLUMBING
Home 2 Suites

AHJ APPROVAL STAMP

SITE LIGHTING PLAN

IEET NUMBER

MEP3