

DRAWING INDEX

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GENERAL NOTES:

- ACTUAL FIELD CONDITIONS MAY VARY FROM EXISTING CONDITIONS SITE SURVEY SHOWN ON PLAN. CONTRACTOR SHALL FIELD VERIFY ACTUAL SITE CONDITIONS PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL PROVIDE SUBMITTALS AND SAMPLES FOR ALL SITE FURNISHINGS AND MATERIALS.
- CONTRACTOR SHALL PROVIDE MOCK UPS OF ALL PAVING MATERIALS AND PATTERNS.
- CUSTOM DESIGN WILL NEED TO BE DETAILED AND REVIEWED PRIOR TO INSTALLATION IN THE FIELD. THIS IS A DESIGN-BUILD PROCESS AND COLLABORATIVE EFFORT WITH THE FABRICATOR, STRUCTURAL ENGINEER, LANDSCAPE ARCHITECT, CONTRACTOR, AND OWNER AT MINIMUM. MULTIPLE SHOP DRAWINGS AND MATERIAL PRODUCT SUBMITTALS ARE ANTICIPATED DURING THIS PROCESS.
- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN COMPLIANCE WITH THE OFFICE OF STATE CONSTRUCTION, DEPARTMENT OF INSURANCE, NCDENR, AND ALL OTHER APPLICABLE LOCAL, STATE AND FEDERAL GUIDELINES.
- EXISTING SURVEY INFORMATION INCLUDING TOPOGRAPHIC INFORMATION PROVIDED BY ARK CONSULTING GROUP, PLLC, UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF ANY WORK. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING, COORDINATING AND PAYMENT FOR ALL NECESSARY LOCATING SERVICES INCLUDING INDEPENDENT LOCATING SERVICES. THE CONTRACTOR SHALL PROVIDE NOTICE OF EXCAVATION TO NOTIFICATION CENTER AND FACILITY OWNERS (PER NC STATUTE) NO LESS THAN 3 BUSINESS DAYS AND NO MORE THAN 12 WORKING DAYS PRIOR TO BEGINNING DEMOLITION, EXCAVATION OR ANY OTHER FORM OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS. NO EXCAVATION OR DEMOLITION SHALL BE STARTED WITHOUT ALL UTILITIES BEING LOCATED.
- ALL SUB-SURFACE UTILITIES IDENTIFIED ON THE CONSTRUCTION DOCUMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATION BASED ON SURVEY INFORMATION GATHERED FROM FIELD INSPECTION AND/OR ANY OTHER APPLICABLE RECORD DRAWINGS WHICH MAY BE AVAILABLE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES OR CONFLICTS.
- EXISTING IMPROVEMENTS DAMAGED OR DESTROYED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED OR REPLACED TO ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND COORDINATING PERMITS, INSPECTIONS, CERTIFICATIONS AND OTHER REQUIREMENTS WHICH MUST BE MET UNDER THIS CONTRACT.
- THE CONTRACTOR SHALL MAINTAIN "AS-BUILT" DRAWINGS TO RECORD THE ACTUAL LOCATION OF ALL PIPING PRIOR TO CONCEALMENT, VALVE AND MANHOLE CHANGES, AND HARDSCAPE OR LANDSCAPE CHANGES. DRAWINGS SHALL BE PROVIDED TO THE OWNERS REPRESENTATIVE AT REGULAR INTERVALS, OR AS REQUESTED THROUGHOUT THE PROJECT FOR RECORD KEEPING.
- IF DEPARTURES FROM THE PROJECT DRAWINGS OR SPECIFICATIONS ARE DEEMED NECESSARY BY THE CONTRACTOR, DETAILS OF SUCH DEPARTURES AND REASONS THERE OF SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR REVIEW. NO DEPARTURES FROM THE CONTRACT DOCUMENTS SHALL BE MADE WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RELOCATION OF ANY EXISTING UTILITY LINES REQUIRED TO COMPLETE ANY PORTION OF CONSTRUCTION. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE COORDINATION AND COSTS OF THE RELOCATION AND ASSOCIATED WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE PREMISES FREE FROM ACCUMULATIONS OF WASTE MATERIALS AND RUBBISH CAUSED BY THE CONTRACTOR. ALL DEBRIS SHALL BE REMOVED FROM THE PROJECT SITE ON A DAILY BASIS.
- THE LANDSCAPE ARCHITECT AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND/OR METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.
- ROADWAYS (TEMPORARY OR PERMANENT) MUST BE CAPABLE OF SUPPORTING FIRE FIGHTING APPARATUS (85,000 LBS) DURING ALL PHASES OF CONSTRUCTION ONCE VERTICAL CONSTRUCTION HAS BEGUN.
- FINE GRADING COORDINATED AND PROVIDED BY CIVIL ENGINEER

GENERAL NOTES

SITE LAYOUT PLAN:

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND COORDINATES AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT PRIOR TO ANY CONSTRUCTION.
- ALL DIMENSIONS AND COORDINATES ARE GIVEN IN DECIMAL FEET UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL ASCERTAIN THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- ALL WRITTEN DIMENSIONS SHALL PREVAIL. DO NOT SCALE FROM DRAWINGS.
- ALL UTILITIES WITH SURFACE ACCESS SHALL BE LOCATED WITHIN THE PAVING PATTERN AND SHALL BE COORDINATED WITH LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. REFER TO LAYOUT DRAWINGS.
- ALL SIDEWALKS WITHIN THE RIGHT-OF-WAY SHALL BE LAID OUT PER THE CIVIL ENGINEER.
- CURBS ARE DIMENSIONED PER THE CIVIL ENGINEER.
- ALL ANGLES 90 DEGREES UNLESS OTHERWISE NOTED.
- ALIGN ALL JOINTS, CORNERS AND EDGES AS SHOWN.
- FINAL LAYOUTS TO BE APPROVED BY LANDSCAPE ARCHITECT.
- CONTRACTOR SHALL REFER TO AND COORDINATE WITH ARCHITECTURAL, STRUCTURAL, AND MEP DRAWINGS AT ALL TIMES PRIOR TO AND DURING CONSTRUCTION.
- ALL CURB TAPERS ARE PER THE CIVIL ENGINEER.
- WHERE NEW SIDEWALK ADJOINS EXISTING WALK, PROVIDE EXPANSION JOINT BY DRILLING INTO THE FACE OF THE EXISTING WALK FOR PLACEMENT OF DOWELS. THE NEW SIDEWALKS INTO NEAREST EXISTING PAVEMENT JOINT, MATCH WIDTH OF EXISTING WALKWAY.
- CONTRACTOR WILL BE PROVIDED WITH ELECTRONIC COPY OF PLANS FOR ALL LAYOUT INFORMATION. CONTRACTOR SHALL COORDINATE ACAD FORMAT WITH OWNER'S REPRESENTATIVE.
- REFERENCE ARCHITECTURAL DRAWINGS FOR BUILDING LAYOUT INFORMATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE CONSTRUCTION LAYDOWN AREA, PERIMETER FENCE, AND ASSOCIATED GATES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE REMOVAL OF THE CONSTRUCTION LAYDOWN AREA PERIMETER FENCE AND ASSOCIATED GATES AT THE COMPLETION OF THE PROJECT.
- THE CONTRACTOR SHALL REFERENCE THE DESIGN PLANS FOR DIMENSIONS, JOINT LOCATIONS, AND INLAY SPECIFICATIONS NEAR BUILDINGS AND IN COURTYARDS. CONTRACTOR SHALL PROVIDE JOINTS IN WALKWAYS AND HARDSCAPE PER DETAILS OR AS INDICATED ON LANDSCAPE/HARDSCAPE PLAN SHEETS.
- ALL DIMENSIONS ARE IN RADII TO OUTSIDE FACE OF BUILDINGS, TO CENTERLINES, AND/OR FACE OF CURB UNLESS OTHERWISE NOTED.
- MAXIMUM RUNNING SLOPE FOR WALKING SURFACES CANNOT BE GREATER THAN 1:20 AND CROSS SLOPES CANNOT BE GREATER THAN 1:48.
- SIGHT TRIANGLES - NOTHING OVER 30" HIGH SHALL BE ALLOWED WITHIN THE SIGHT DISTANCE TRIANGLES. SEE CIVIL DRAWINGS FOR APPLICABLE SIGHT DISTANCE TRIANGLES.
- THE SITE SHALL BE FULLY STABILIZED (85% COVERAGE) PRIOR TO ISSUANCE OF A BUILDING CERTIFICATE OF OCCUPANCY OR PROJECT APPROVAL.

SITE LIGHTING PLAN:

- PLAN IS FOR FIXTURE SELECTION AND LOCATION ONLY. ELECTRICAL CIRCUITRY DESIGN AND ENGINEERING BY OTHERS.
- THE CONTRACTOR SHALL ENSURE THAT ALL NEW ELECTRICAL INSTALLATIONS ARE IN ACCORDANCE WITH THE MOST RECENT NATIONAL ELECTRIC CODE AND ALL OTHER APPLICABLE STATE AND LOCAL CODES AND REQUIREMENTS.
- THE CONTRACTOR SHALL COORDINATE NEW LIGHT POLE FOUNDATION INSTALLATIONS AND UNDERGROUND CONDUIT INSTALLATIONS WITH SCHEDULED PAVING AND SITE CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ALL COMPLETED SITE IMPROVEMENTS IF DISTURBED FOR ADDITIONAL INSTALLATIONS.
- THE CONTRACTOR SHALL VERIFY ELECTRICAL CIRCUITS AND ASSOCIATED CONNECTIONS OF EXTERIOR LIGHTING FIXTURES BEFORE DISCONNECTION AND/OR REINSTALLATION IN EXISTING ELECTRICAL DISTRIBUTION EQUIPMENT. EXISTING CONNECTIONS NOT ASSOCIATED WITH THE SCHEDULED REMOVAL OF ANY EXISTING LIGHT FIXTURES OR POWER SERVICE SHALL BE MAINTAINED.
- UNDERGROUND CONDUIT SHALL BE ROUTED TO AVOID DISTURBING EXISTING WALKS.
- PHOTOMETRIC LIGHTING STUDY TO BE COMPLETED BY OTHERS.

PLANTING SOILS PLAN:

- REFER TO SOILS PLANS SHEET L6.10 - L6.14 FOR PLANTING SOIL NOTES.

IRRIGATION PLAN:

- REFER TO IRRIGATION PLANS SHEET IR1.11 FOR NOTES

PLANTING PLAN:

- VERIFY ALL QUANTITIES AND REPORT ANY DISCREPANCIES OR INACCURACIES IN THE PLANS TO THE OWNER'S REPRESENTATIVE PRIOR TO PLANTING.
- LANDSCAPE WORK SHALL INCLUDE THE FURNISHING, INSTALLATION, AND WARRANTY OF ALL PLANTING MATERIALS WITHIN THE PROJECT AREA.
- THE LANDSCAPE CONTRACTOR SHALL ASCERTAIN THE LOCATION OF ALL EXISTING AND NEW UNDERGROUND UTILITIES PRIOR TO EXCAVATION FOR PLANTING. DAMAGES TO UTILITIES CAUSED BY THE LANDSCAPE OPERATION SHALL BE CORRECTED BY THE LANDSCAPE CONTRACTOR AT NO COST TO THE OWNER.
- LANDSCAPING SHALL REMAIN CLEAR FROM ANY FIRE HYDRANTS ON THE SITE.
- ALL STREET TREES PER CIVIL ENGINEER ASR AND SPR APPROVED PLANS.
- MINIMUM CONTAINER SIZES FOR SHRUBS TO BE 7 GALLON. MINIMUM CONTAINER SIZES FOR GROUND COVER TO BE 1 GALLON.
- TREE PROTECTION NOTE: TREE PROTECTION FENCING MUST BE IN PLACE PRIOR TO ANY DEMOLITION, LAND DISTURBANCE OR ISSUANCE OF A GRADING PERMIT AND SHALL INCLUDE WARNING SIGNS POSTED IN BOTH ENGLISH AND SPANISH AS FOLLOWS: "NO TRESPASSING/TREE PROTECTION AREA/PROHIBIDO ENTRAR / ZONA PROTECTORA PARA LOS ARBOLES."
- PROTECTION OF EXISTING VEGETATION: AT THE START OF GRADING INVOLVING THE LOWERING OF EXISTING GRADE AROUND A TREE OR STRIPPING OF TOPSOIL, A CLEAN, SHARP, VERTICAL CUT SHALL BE MADE AT THE EDGE OF THE TREE SAVE AREA AT THE SAME TIME AS OTHER EROSION CONTROL MEASURES ARE INSTALLED. THE TREE PROTECTION FENCING SHALL BE INSTALLED ON THE SIDE OF THE CUT FARTHEST AWAY FROM THE TREE TRUNK AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION IN THE VICINITY OF THE TREES IS COMPLETE. NO STORAGE OF MATERIALS, FILL, OR EQUIPMENT AND NO TRESPASSING SHALL BE ALLOWED WITHIN THE BOUNDARY OF THE PROTECTED AREA.
- ROOT ZONE PROTECTION AREA: REFER TO CIVIL ENGINEER ASR AND SPR APPROVED PLANS FOR MORE INFORMATION. THE CRITICAL ROOT ZONE OF EACH PRESERVED TREE MUST BE WITHIN THE PROTECTIVE YARD. PER THE ORDINANCE, NO MORE THAN TWENTY-FIVE (25) PERCENT OF THE CRITICAL ROOT ZONE MAY BE DISTURBED. THE PREFERRED METHOD IS TO RESTRICT ACCESS BY INSTALLING A BARRIER TO KEEP MATERIALS, PEOPLE, OR EQUIPMENT OUT OF THE CRITICAL ROOT ZONE. BARRIER SHALL BE ACCOMPANIED BY TEMPORARY SIGNS LABELING THE ROOT ZONE.
- SEED BED PREPARATION: ALL AREAS TO BE SEED ARE TO RECEIVE PLANTING SOIL AS INDICATED ON THE SOILS PLAN SHEETS AND IN ACCORDANCE WITH THE SPECIFICATIONS. ALL DEBRIS, ROCKS, ETC. LARGER THAN 1/2" ARE TO BE REMOVED. ALL LARGE CONCENTRATIONS OF GRAVEL & DEBRIS REGARDLESS OF SIZE ARE TO BE REMOVED PRIOR TO SEEDING OR PLANTING.
- ALL PLANT BED AREAS ARE TO RECEIVE PLANTING SOIL AS INDICATED ON THE SOILS PLAN SHEETS AND IN ACCORDANCE WITH SPECIFICATIONS. SEE PLANTING DETAILS SHEET (LG.7.90) FOR ADDITIONAL SPECIFICATIONS.
- SCARIFY PLANT PIT WALLS. CONSULT LANDSCAPE ARCHITECT FOR ALTERNATE COMPLIANCE.
- SHREDED HARDWOOD MULCH 3" DEEP EXCEPT AT CROWN OF PLANT UNLESS OTHERWISE NOTED. FLARE AT CROWN SHOULD BE REVEALED. BACKFILL CONSISTS OF THOROUGHLY BROKEN UP NATIVE SOIL PIECES SHOULD BE NO LARGER THAN WHAT PASSES THROUGH A ONE INCH SCREEN. IF ADDITIONAL SOIL IS REQUIRED FOR BACKFILL DUE TO DETRIMENTAL SUBSOIL DRAINAGE CONDITIONS, USE SOIL SIMILAR TO EXISTING NATIVE SOIL. ADDITIONAL SOIL TO BE APPROVED BY LANDSCAPE ARCHITECT. MAXIMUM SAUCER HEIGHT IS 6 INCHES.
- FOR B&B PLANTS, NATURAL FIBER BURLAP SHOULD BE TURNED DOWN BY 1/3 TOTAL HEIGHT OF ROOT BALL. PLASTIC FIBER BURLAP AND WIRE BASKETS SHOULD BE REMOVED TO 2/3'S OF TOTAL HEIGHT OF ROOT BALL.
- CONTRACTOR IS RESPONSIBLE FOR KEEPING THE TREE UPRIGHT AND PLUMB THROUGHOUT THE WARRANTY PERIOD. IF STABILIZATION IS NECESSARY SEE STAKING IN TREE DETAIL. ORANGE FLAGGING TAPE SHOULD BE ATTACHED TO SUPPORT WIRE. STAKING SHOULD BE REMOVED BY CONTRACTOR AT END OF ONE YEAR WARRANTY PERIOD OR AS DIRECTED BY GROUNDWORKS MANAGEMENT.
- USE STANDARD "GATOR" BAGS FOR WATERING TREES IN AREAS NOT UNDER IRRIGATION. INCORPORATE TERRA-SORB (OR EQUAL) AS PER MANUFACTURERS RECOMMENDATIONS. FOR AREAS NOT UNDER IRRIGATION.
- USE "BIO-BARRIER" OR EQUIVALENT ACCORDING TO MANUFACTURERS RECOMMENDATION FOR TREES THAT WILL BE PLANTED WITHIN 10' OF PAVEMENT.
- LANDSCAPING/C.O. STANDARDS NOTE: ALL LANDSCAPING MUST BE IN PLACE PRIOR TO REQUEST FOR A CERTIFICATE OF COMPLIANCE.
- DO NOT STAKE TREES EXCEPT WHERE SPECIFIED BY LANDSCAPE ARCHITECT. STAKING IS REQUIRED FOR TREES PLANTED ON SLOPES OR AREA EXPOSED TO HIGH WINDS.
- WHERE SEVERAL TREES WILL BE PLANTED CLOSE TOGETHER SUCH THAT THEY WILL LIKELY SHARE ROOT SPACE, TILL IN SOIL AMENDMENTS TO A DEPTH OF 4-6" OVER THE ENTIRE AREA OR AS REQUIRED BY THE PROJECT SPECIFICATIONS.
- FOR CONTAINER GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL, THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
- FOR FIELD GROWN TREES, CUT BURLAP, ROPE AND WIRE BASKET AWAY FROM TOP AND SIDES OF ROOT BALL.
- THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
- THE PLANTING PROCESS IS SIMILAR FOR DECIDUOUS AND EVERGREEN TREES.
- DO NOT WRAP TRUNK; MARK NORTH SIDE OF TREE IN THE NURSERY AND LOCATE TO THE NORTH IN THE FIELD.
- WIDTH OF PLANTING HOLE IS 3X ROOT BALL AT THE SURFACE, SLOPING TO 2X THE ROOT BALL DIAMETER AT THE DEPTH OF THE ROOT BALL.
- UNLESS OTHERWISE INDICATED ON THE PLANTING SOILS PLAN, BEFORE PLANTING, ADD 3-4" OF WELL COMPOSTED LEAVES, RECYCLED YARD WASTE OR OTHER COMPOST AND TILL INTO TOP 6" OF PREPARED SOIL. ADD COMPOST AT 20-35% BY VOLUME TO BACKFILL.
- PERFORM PERCOLATION TEST FOR EACH TREE PIT TO CONFIRM THAT WATER DRAINS OUT OF THE SOIL. PROVIDE GRAVEL SUMP FILTER FABRIC & VENT PIPE IF DRAINAGE DOES NOT OCCUR WITHIN 24 HOURS. INCLUDE ALL SUMPS IN BASE BID. SHOULD SUMPS NOT BE NECESSARY AFTER PERCOLATION TEST, PROVIDE CHANGE ORDER DEDUCT TO OWNER.
- IF PLANTING HOLES ARE DUG WITH A LARGE AUGER BREAKING DOWN THE SIDES WITH A SHOVEL, CAN ELIMINATE GRAZING AND CREATE THE PREFERRED SLOPING SIDE.
- TREES SHALL HAVE SINGLE LEADERS UNLESS OTHERWISE SPECIFIED.
- DO NOT PLACE MULCH IN CONTACT WITH TRUNK.



SDP-23-05 & CID-23-01 / Publix at Wallbrook & Wallbrook Roadway Improvements

APPROVED


Date: November 14, 2023



Town of Rolesville Planning Department



DRAWING INDEX & GENERAL NOTES
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
 Town of Rolesville Project No. SDP 23-05 & CID 23-01
 Rolesville, Wake County, North Carolina
 S Main St. / US 401 and Virginia Water Drive




NC License #11199
 2755-B Charles Blvd.
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 (757) 558-0888
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10/26/2023

Project Manager: _____
 Drawn By: _____
 Checked By: _____
 Project Number: _____
 Drawing Number: _____
 Date: October 26, 2023


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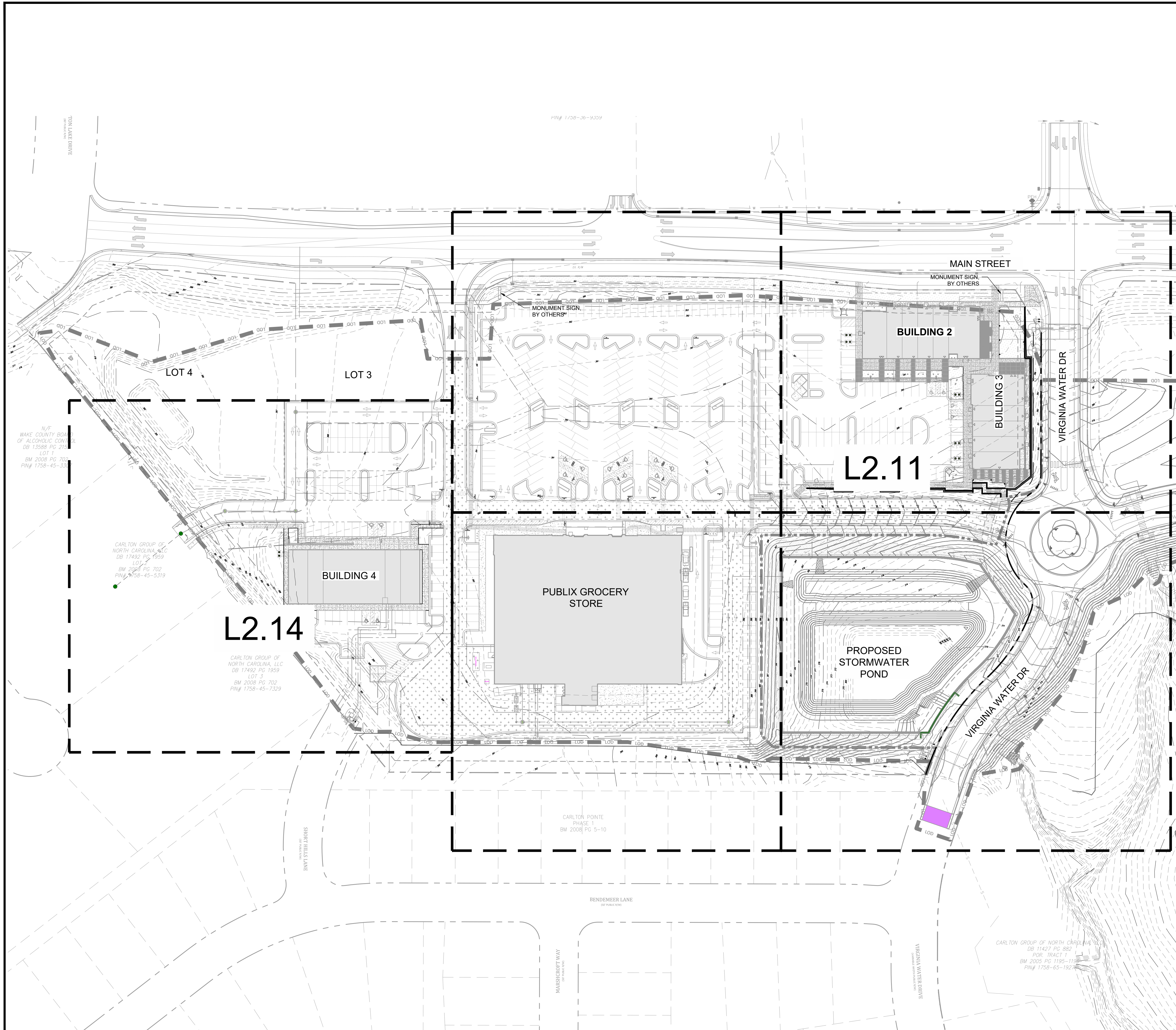
SDP



223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603 T 919.380.8750

FIRM LICENSE # C-1051 www.stewartinc.com PROJECT # L22007





NOTE:
MONUMENT SIGNS ON THE PROJECT BY OTHERS. SHOPS TO BE REVIEWED BY LA

REVISIONS:

#	DATE	DESCRIPTION
1	1.26.OCT.23	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
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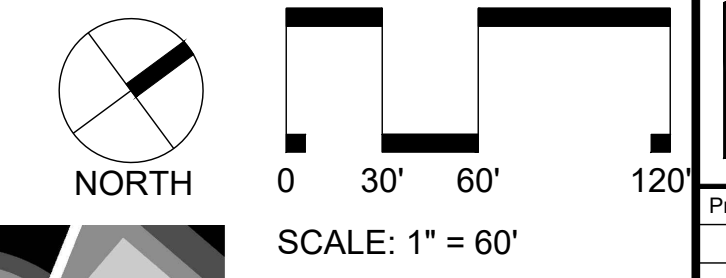
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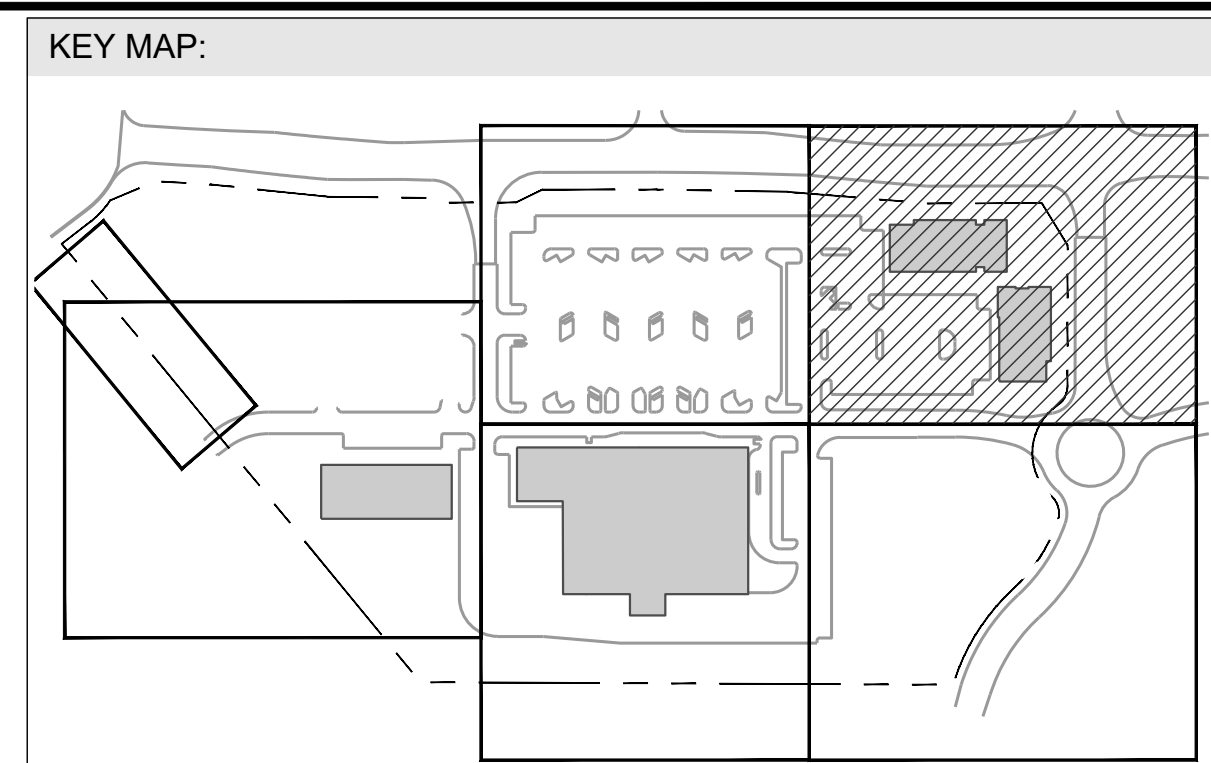
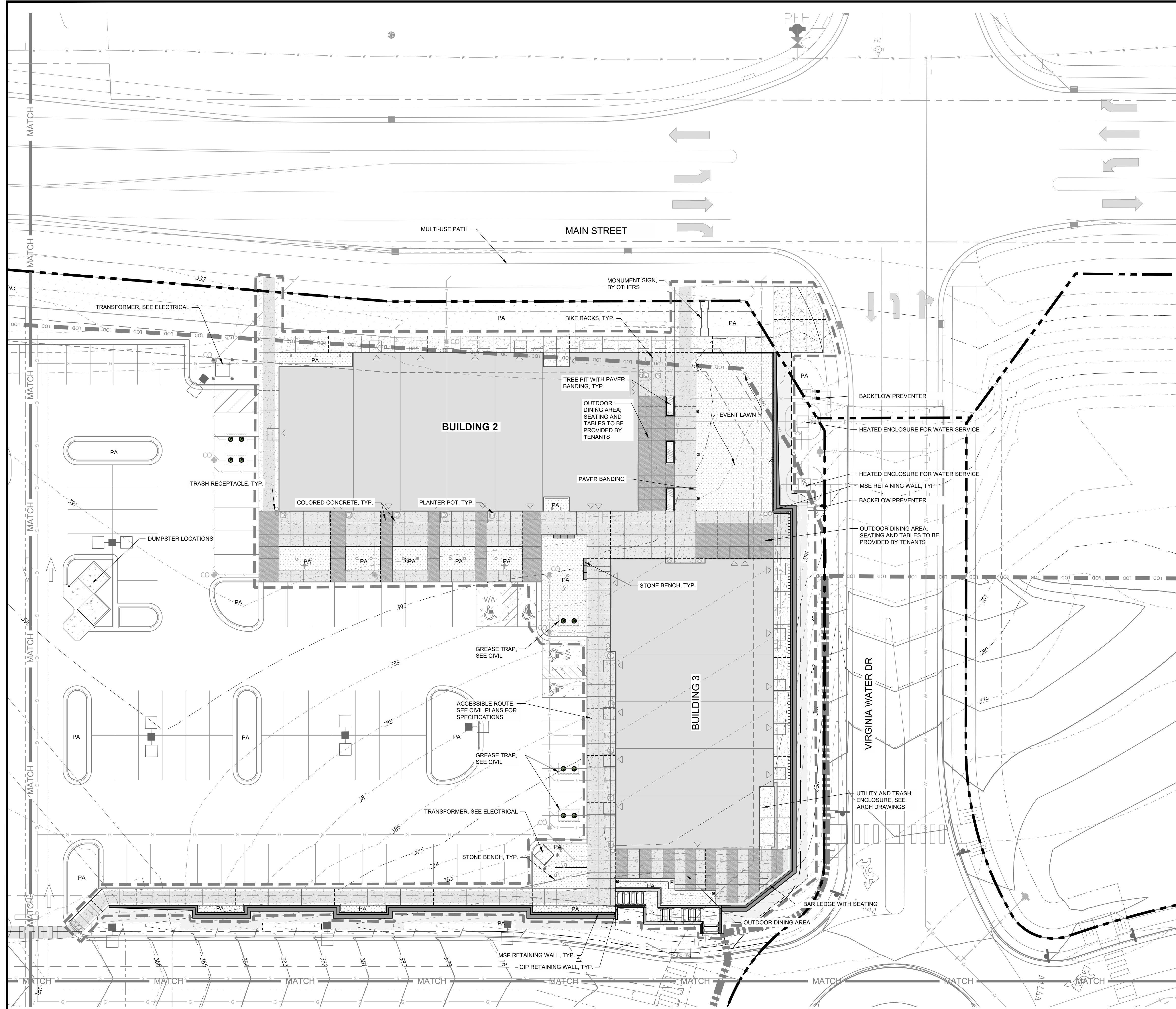
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- SITE LEGEND**
- PROPERTY LINE / ROW LINE
 - SETBACK LINE
 - LIMIT OF WORK (HARDSCAPE)
 - PROPOSED CONCRETE PAVEMENT
 - PROPOSED COLORED CONCRETE PAVEMENT 1
 - PROPOSED COLORED CONCRETE PAVEMENT 2
 - PROPOSED PLANTING AREA
 - PROPOSED DECORATIVE GRAVEL
 - BUILDING FOOTPRINT

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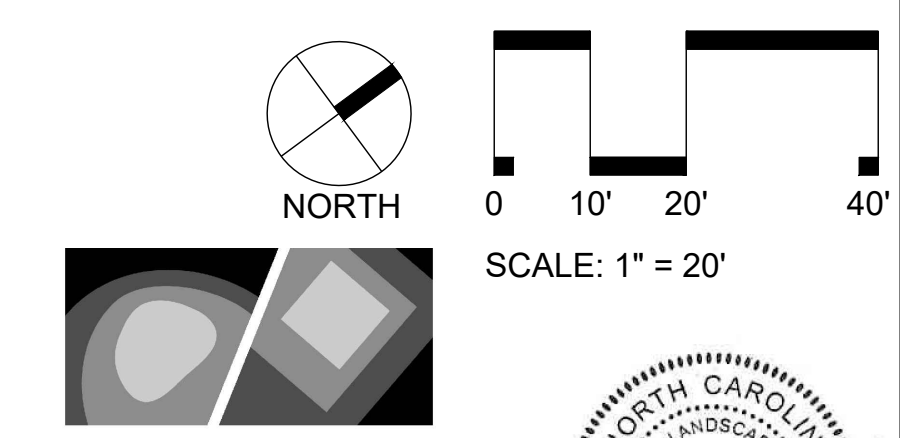
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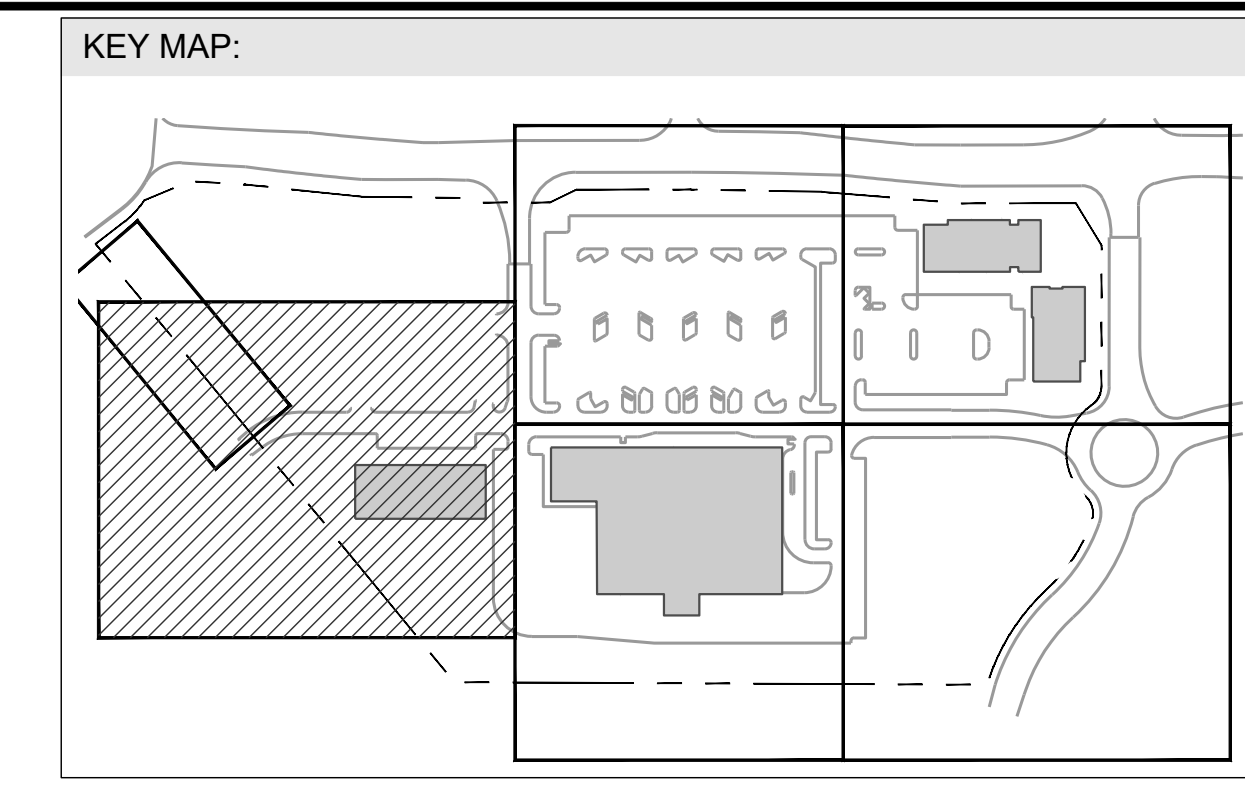
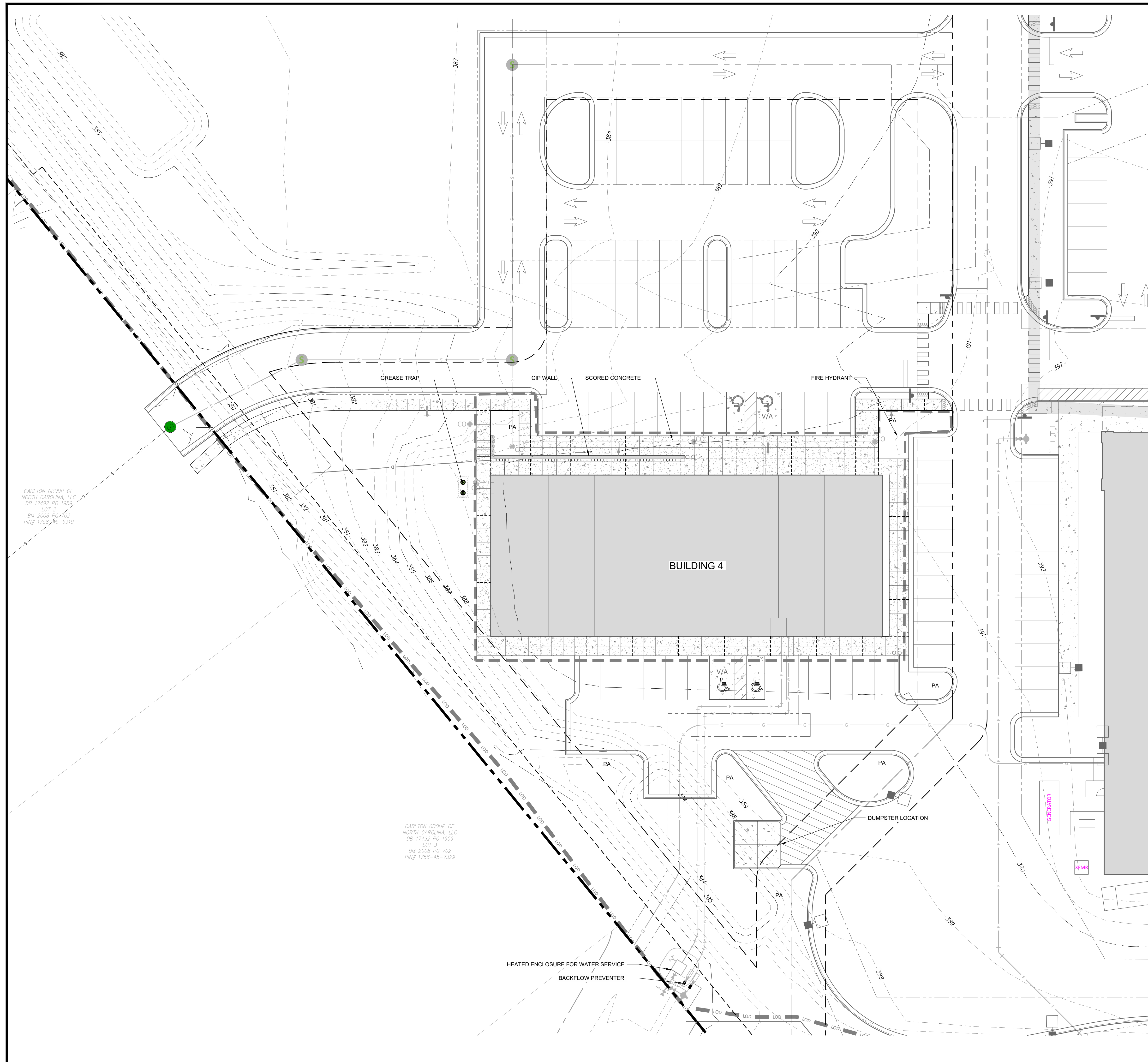
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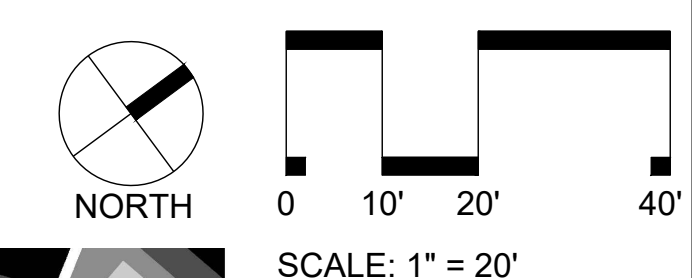
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CARLTON GROUP OF NORTH CAROLINA, LLC
DB 17492 PG 1959
LOT 2
BM 2008 109-702
PIN# 1758-45-5319

CARLTON GROUP OF NORTH CAROLINA, LLC
DB 17492 PG 1959
LOT 3
BM 2008 PG 702
PIN# 1758-45-7329



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L2.14
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DRAINAGE SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	MATERIAL/COLOR	FINISH	SIZE	PRODUCT NAME#	MANUFACTURER	CONTACT
[DR-101]	TRENCH DRAIN	8/L3.91	LONGITUDINAL STAINLESS STEEL	STAINLESS STEEL	4" GRATE	K 100; STAINLESS STEEL	ACO	866-303-6426
[DR-102]	AREA DRAIN	2/L3.91	CAST IRON	BAKED ON OIL	6" DIA	BULLEYE 6" HEEL PROOF	IRON AGE	877.418.3568

EDGING SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC SECTION	COLOR	FINISH	SIZE	PRODUCT NAME#	MANUFACTURER	CONTACT
[E-101]	EDGING - TYPE 1	7/L3.90	32 14 00	NATURAL ALUMINUM	MILL	SEE DETAIL	PERMASTRIP	PERMALOC	800.356.9660

MISCELLANEOUS SITE FEATURES SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	COLOR	FINISH	SIZE	PRODUCT NAME#	MANUFACTURER	CONTACT
[M-102]	BIKE RACK (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)	3/L3.91	RED, YELLOW, GRAY	SILVER POWDER COAT	3' X 23" X 32"	KEY	LANDSCAPE FORM	800.430.6209
[M-103]	WIRE LATTICE STRUCTURE	6/L3.91	SILVER	STAINLESS STEEL	TBD	GREENGUIDE SYSTEM	JAKOB ROPE SYSTEM	866.215.1421
[M-104]	SAWN TOP NATURAL STONE BENCH	6/L3.90	AUTUMN SKY (GRAY / TAN)	SAWN TOP & ROUGH SIDES	18"D X 36" L X 18" H	SAWN TOP BENCH	FISCHER STONE	815-541-1425; CONTRACTOR TO PROVIDE COLOR SAMPLE TO LA FOR REVIEW/APPROVAL
[M-107]	TRASH RECEPTACLE (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)	9/L3.91	DUSK; THERMALLY MODIFIED ASHE	POWDER COATED, INCLUDE THERMALLY MODIFIED WOOD ACCENT PANELS	20"X37"X17 GAL.	FGP LITTER	LANDSCAPE FORMS	800.430.6209
[M-108]	PLANTER POT (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)	7/L3.91	ASH WHITE	SANDBLAST	48"H X 32"D X 17" BASE	LARKSPUR LS-48	LANDSCAPE FORMS	800.430.6209

PAVEMENT SCHEDULE

CONCRETE											
SYMBOL	DESCRIPTION	DETAIL	SPEC SECTION	COLOR	JOINT TYPE OR PATTERN	FINISH	SIZE (LENGTH X WIDTH X DEPTH)	PRODUCT NAME#	MANUFACTURER	CONTACT	NOTES
[P-201]	PEDESTRIAN CONCRETE PAVING	1/L3.90	32 13 13	STANDARD GRAY	SEE PLAN	MEDIUM BROOM	--				CARBON CURE SHALL BE USED AS AN ADDITIVE. SEE SPECIFICATIONS
[P-202]	PEDESTRIAN CONCRETE PAVING WITH INTEGRAL COLOR FINISH	1/L3.90	32 13 13	INTEGRAL COLOR: AUTUMN BEIGE	SEE PLAN	LIGHT BROOM FINISH	--	C235 - AUTUMN BEIGE	SIKACOLOR (-120 G GRANULAR INTEGRAL COLOR)	SIKA 201.933.8800	CONTRACTOR TO PROVIDE 2 ADDITIONAL COLOR SAMPLES. SEE SPECIFICATIONS FOR MOCK UP INFO
[P-203]	PEDESTRIAN CONCRETE PAVING WITH INTEGRAL COLOR FINISH	1/L3.90	32 12 20	WINTER BEIGE	SEE PLAN	LIGHT BROOM FINISH	--	C16 WINTER BEIGE	SIKACOLOR (-120 G GRANULAR INTEGRAL COLOR)	SIKA 201.933.8800	CONTRACTOR TO PROVIDE 2 ADDITIONAL COLOR SAMPLES. SEE SPECIFICATIONS FOR MOCK UP INFO
UNIT PAVER											
SYMBOL	DESCRIPTION	DETAIL	SPEC SECTION	COLOR	JOINT TYPE OR PATTERN	FINISH	SIZE (LENGTH X WIDTH X DEPTH)	PRODUCT NAME#	MANUFACTURER	CONTACT	NOTES
[P-302]	STANDARD CONCRETE PAVER BANDING	2/L3.90	32 14 00	M2343	SAILOR COURSE	SLATEFACE	17 5/8" X 5 7/8" X 2"	PREST PAVER	HANOVER	800.426.4242	CONTRACTOR TO PROVIDE COLOR SAMPLE TO LA FOR REVIEW/APPROVAL
STONE											
SYMBOL	DESCRIPTION	DETAIL	SPEC SECTION	COLOR	JOINT TYPE OR PATTERN	FINISH	SIZE (LENGTH X WIDTH X DEPTH)	PRODUCT NAME#	MANUFACTURER	CONTACT	NOTES
[P-401]	DECOMPOSED GRANITE WITH BINDER	4/L3.90	32 12 20	MISTY GRAY MARBLE	NA	STABILIZED PATHWAY WITH ORGANIC LOCK BINDER	AGGREGATE SIZE PER MANUFACTURER	STABILIZED PATHWAY MIX: MISTY GRAY MARBLE SPECIALLY AGGREGATE	KAFKA GRANITE	800-852-7415	CONTRACTOR TO PROVIDE COLOR SAMPLE TO LA FOR REVIEW/APPROVAL

WALLS SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC SECTION	COLOR	FINISH
[W-101]	CIP RETAINING WALL WITH GUARDRAIL	2/L3.92	03 3000	STANDARD GRAY	BOARD FORM
[W-104]	MSE RETAINING WALL WITH GUARDRAIL	4/L3.92	03 3000	STANDARD GRAY	
[W-105]	BAR LEDGE ON RAILING	3/L3.92	03 3000	POWDER COAT FINISH: BLACK (MATCH FENCING)	POWDER COAT

RAILS SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	SPEC SECTION	COLOR	FINISH	SIZE	NOTES
[R-101]	ALUMINUM PIPE PICKET GUARDRAIL	2/L3.92	05 73 01	BLACK	ALUMINUM	36" HEIGHT	CONTRACTOR TO PROVIDE SHOP DRAWING TO LA FOR REVIEW/APPROVAL
[R-102]	ALUMINUM PIPE HANDRAIL (WALL MOUNT)	3/L3.94	05 73 01	BLACK	ALUMINUM	36" HEIGHT	CONTRACTOR TO PROVIDE SHOP DRAWING TO LA FOR REVIEW/APPROVAL
[R-103]	ALUMINUM PIPE HANDRAIL (GROUND MOUNT)	3/L3.94	05 73 01	BLACK	ALUMINUM	36" HEIGHT	CONTRACTOR TO PROVIDE SHOP DRAWING TO LA FOR REVIEW/APPROVAL

STEPS SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	RISER/TREAD	NOTES
[S-101]	CAST IN PLACE CONCRETE STAIRS	2/L3.94	RISER 6", TREAD 12"	CONTRACTOR TO VERIFY RISER & TREAD RATIO AND NUMBER OF STEPS WITH ACTUAL SITE CONDITIONS PRIOR TO SITE CONSTRUCTION

ROCK SCHEDULE

SYMBOL	DESCRIPTION	DETAIL	COLOR	SIZE
[K-102]	SMOOTH RIVER ROCK		GRAY TO BROWN BLEND	2"-5" DIAMETER; SMOOTH STONE

SITE FURNISHINGS SCHEDULE

BENCHES									
SYMBOL	DESCRIPTION	QTY	DETAIL	COLOR	FINISH	SIZE	PRODUCT NAME#	MANUFACTURER	CONTACT
[F-101]	TABLE (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)			DUSK	POWDER COAT	36" SQUARE	CATENA TABLE SQUARE	LANDSCAPE FORMS	LORI BROWN 269-337-1310
[F-102]	CHAIR (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)			DUSK	POWDER COAT	30" HEIGHT	CATENA CHAIR	LANDSCAPE FORMS	LORI BROWN 269-337-1310
[F-103]	LOUNGE CHAIR (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)			ORANGE	POWDER COAT	WITH ARMS; 33"H	PARC CENTRE LOUNGE	LANDSCAPE FORMS	LORI BROWN 269-337-1310

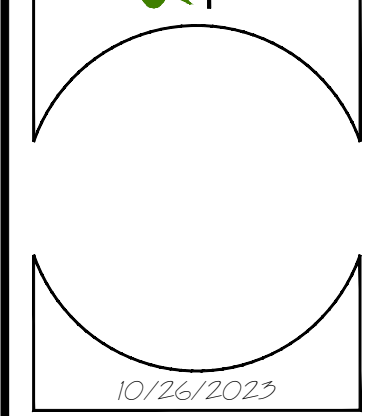
#	DATE	DESCRIPTION
2	14-NOV-23	ISSUED FOR CONSTRUCTION
1	26-OCT-23	SDP-23-05 / CID-23-01 COMBINED PERMIT REVIEW

REVISIONS:



MATERIAL & FURNISHING SCHEDULE
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
 Town of Rolesville Project No. SDP 23-05 & CID 23-01
 Rolesville, Wake County, North Carolina
 S Main St. / US 401 and Virginia Water Drive

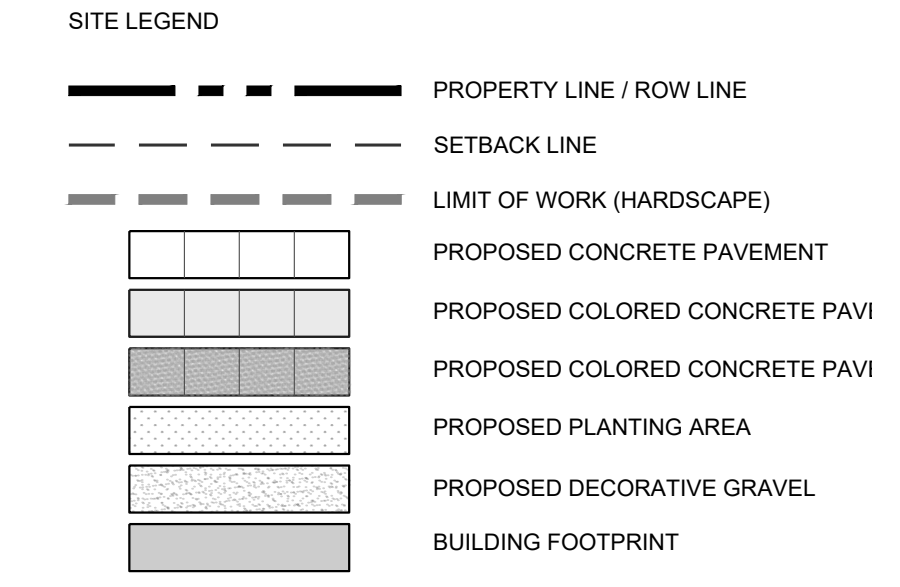
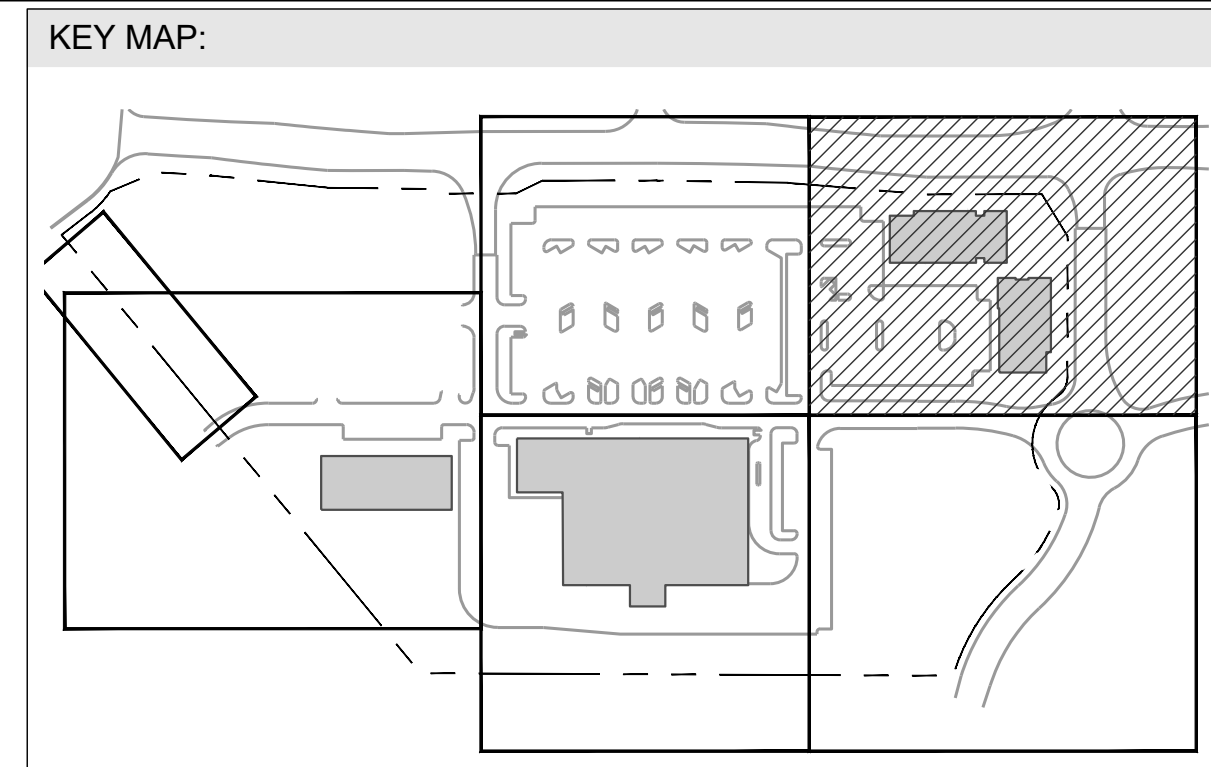
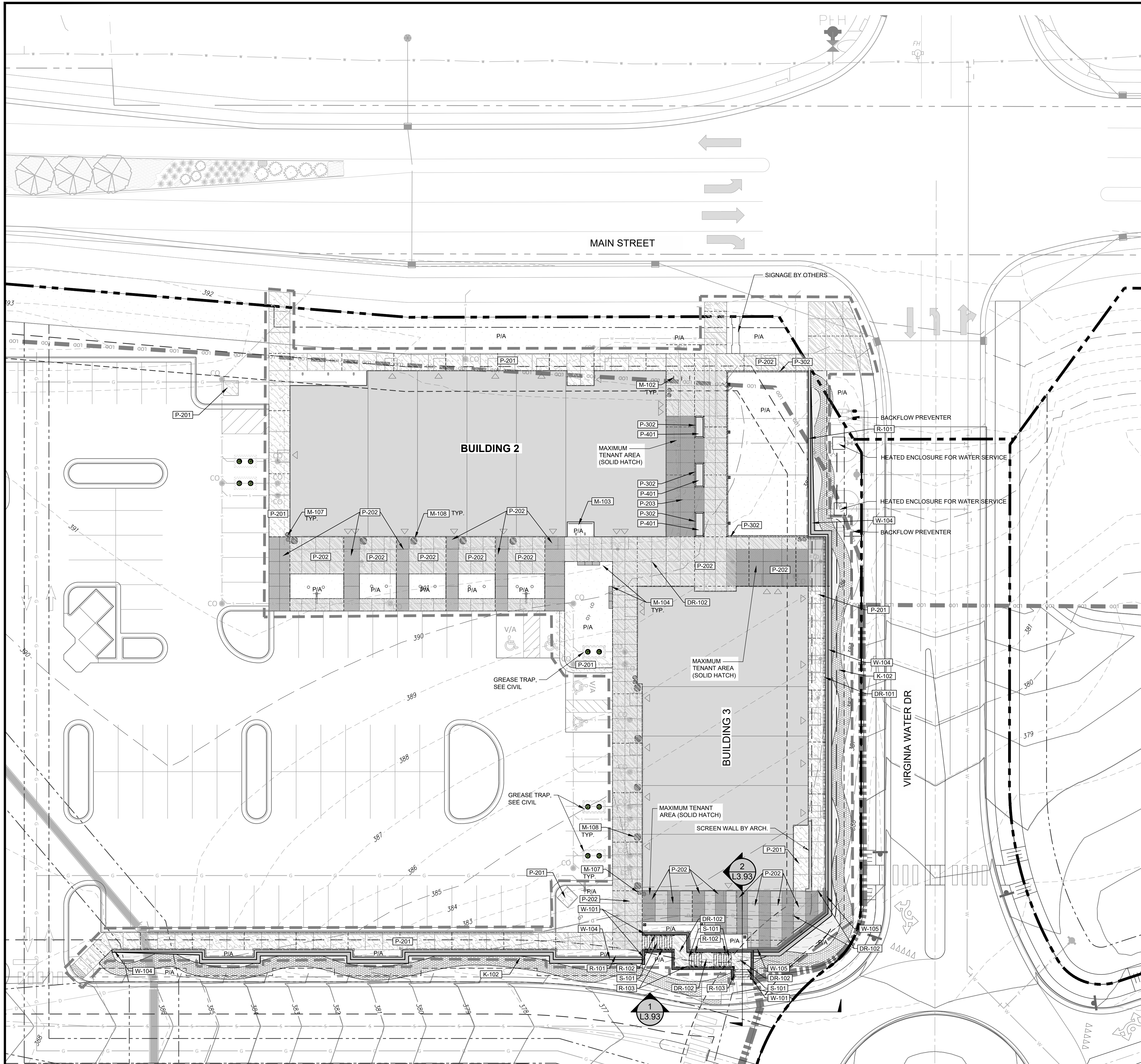
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 ENGINEERS & PLANNERS
 2755-B Charles Blvd.
 Raleigh, NC 27603
 (757) 558-0888
 www.arkconsultinggroup.com



Project Manager:	
Drawn By:	
Checked By:	
Project Number:	
Drawing Number:	
Date:	October 26, 2023

L3.10
SDP

223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603 T 919.380.8750
 FIRM LICENSE # C-1051 www.stewartinc.com PROJECT # L22007

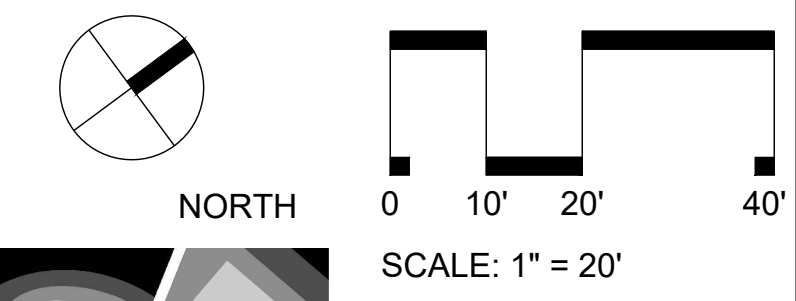


REFERENCE NOTES SCHEDULE		
DRAINAGE		
SYMBOL	DESCRIPTION	DETAIL
[DR-101]	TRENCH DRAIN	8L3.91
[DR-102]	AREA DRAIN	2L3.91
BENCHES		
SYMBOL	DESCRIPTION	DETAIL
[F-101]	TABLE (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)	
[F-102]	CHAIR (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)	
[F-103]	LOUNGE CHAIR (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)	
ROCK		
SYMBOL	DESCRIPTION	DETAIL
[K-102]	SMOOTH RIVER ROCK	
LIGHTING		
SYMBOL	DESCRIPTION	DETAIL
[L-115]	SQUARE ALUMINUM POLE	7L9.91
MISCELLANEOUS SITE FEATURES		
SYMBOL	DESCRIPTION	DETAIL
[M-102]	BIKE RACK (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)	3L3.91
[M-103]	WIRE LATTICE STRUCTURE	6L3.91
[M-104]	SAWN TOP NATURAL STONE BENCH	6L3.90
[M-107]	TRASH RECEPTACLE (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)	9L3.91
[M-108]	PLANTER POT (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)	7L3.91
CONCRETE		
SYMBOL	DESCRIPTION	DETAIL
[P-201]	PEDESTRIAN CONCRETE PAVING	1L3.90
[P-202]	PEDESTRIAN CONCRETE PAVING WITH INTEGRAL COLOR FINISH	1L3.90
[P-203]	PEDESTRIAN CONCRETE PAVING WITH INTEGRAL COLOR FINISH	1L3.90
UNIT PAVER		
SYMBOL	DESCRIPTION	DETAIL
[P-302]	STANDARD CONCRETE PAVER BANDING	2L3.90
STONE		
SYMBOL	DESCRIPTION	DETAIL
[P-401]	DECOMPOSED GRANITE WITH BINDER	4L3.90
RAILS		
SYMBOL	DESCRIPTION	DETAIL
[R-101]	ALUMINUM PIPE PICKET GUARDRAIL	2L3.92
[R-102]	ALUMINUM PIPE HANDRAIL (WALL MOUNT)	3L3.94
[R-103]	ALUMINUM PIPE HANDRAIL (GROUND MOUNT)	3L3.94

STEPS		
SYMBOL	DESCRIPTION	DETAIL
[S-101]	CAST IN PLACE CONCRETE STAIRS	2L3.94

WALLS		
SYMBOL	DESCRIPTION	DETAIL
[W-101]	CIP RETAINING WALL WITH GUARDRAIL	2L3.92
[W-102]	MSE RETAINING WALL WITH GUARDRAIL	4L3.92
[W-105]	BAR LEDGE ON RAILING	3L3.92

- NOTE:
- TENANT FURNISHING BY OTHERS, AND NOT INCLUDED IN CONTRACTOR SCOPE.
 - PUBLIC FURNISHINGS (TABLE, CHAIRS, LOUNGE CHAIRS, TRASH RECEPTACLES, BIKE RACKS, AND PLANTERS) TO BE PURCHASED BY OWNER, AND INSTALLED BY CONTRACTOR.
 - PROCUREMENT OF AND INSTALLATION OF STRING LIGHTS ARE BY TENANT & OWNER AGREEMENT, AND NOT INCLUDED IN CONTRACTOR SCOPE.
 - SQUARE POLES FOR STRING LIGHTS AND ELECTRICAL CONDUIT TO POLES ARE TO BE PURCHASED BY OWNER, INSTALLED BY CONTRACTOR. (SEE LIGHTING PLAN AND SITE DETAILS).
 - SEE LIGHTING PLAN FOR ALL LIGHTING. PRODUCT INFORMATION LIGHTING TO BE PURCHASED BY OWNER AND INSTALLED BY CONTRACTOR.
 - MONUMENT SIGNS ON THE PROJECT DESIGNED BY OTHERS. SHOP DRAWINGS TO BE REVIEWED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF MONUMENT SIGNS.



STEWART
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 ENGINEERS & PLANNERS
 2755-B Charles Blvd. #1000 RALEIGH, NC 27608 (757) 558-0888 www.arkconsultinggroup.com

10/26/2023

Project Manager: _____
 Drawn By: _____
 Checked By: _____
 Project Number: _____
 Drawing Number: _____
 Date: October 26, 2023

L3.11
 SDP

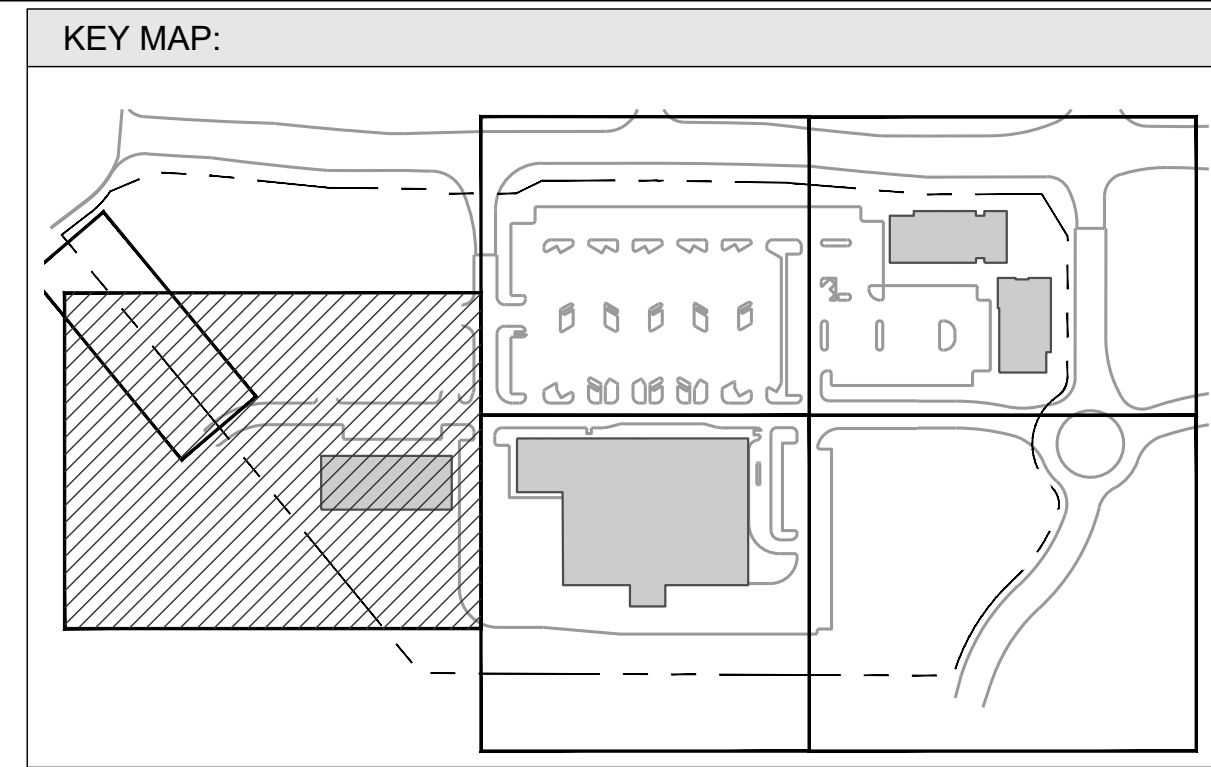
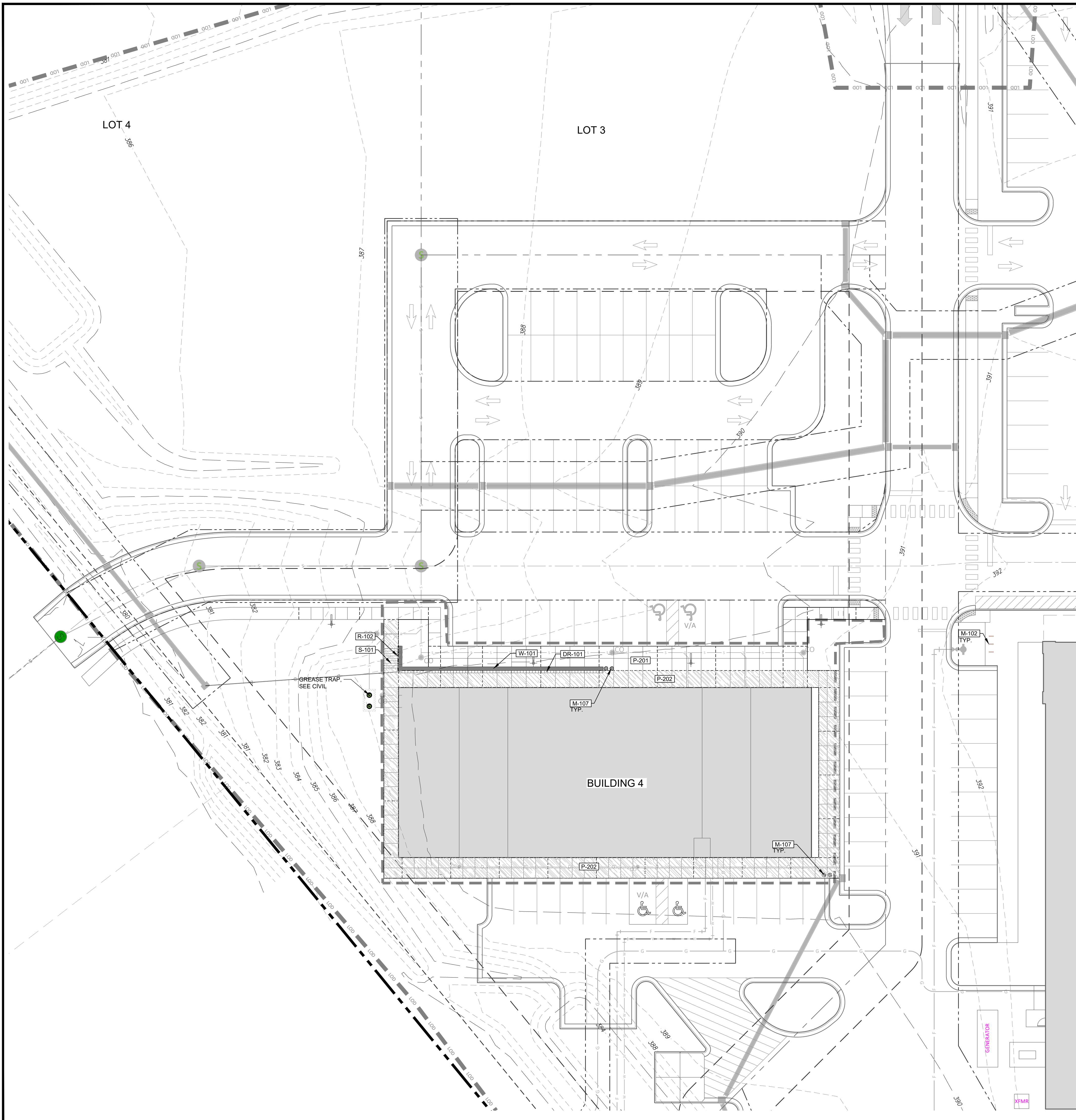
REVISIONS:

#	DATE	DESCRIPTION
1	12-06-23	SDP-23-05 / CID-23-01 COMBINED PERMIT REVIEW
2	11-09-23	ISSUED FOR CONSTRUCTION

CROSLAND SOUTHEAST

MATERIAL & FURNISHING PLAN NE

PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
 Town of Rolesville Project No. SDP 23-05 & CID 23-01
 S Main St. / US 401 and Virginia Water Drive
 Rolesville, Wake County, North Carolina



SITE LEGEND

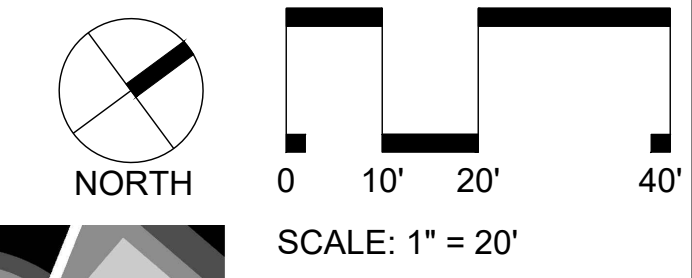
	PROPERTY LINE / ROW LINE
	SETBACK LINE
	LIMIT OF WORK (HARDSCAPE)
	PROPOSED CONCRETE PAVEMENT
	PROPOSED COLORED CONCRETE PAVI
	PROPOSED PLANTING AREA
	PROPOSED DECORATIVE GRAVEL
	BUILDING FOOTPRINT

REFERENCE NOTES SCHEDULE

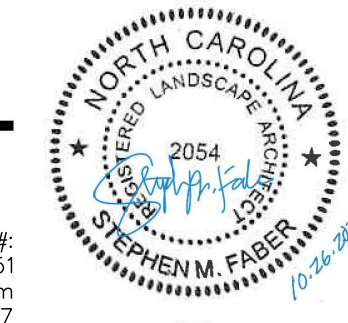
SYMBOL	DESCRIPTION	DETAIL
DRAINAGE		
[DR-101]	TRENCH DRAIN	8L3.91
[DR-102]	AREA DRAIN	2L3.91
BENCHES		
[F-101]	TABLE (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)	
[F-102]	CHAIR (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)	
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ROCK		
[K-102]	SMOOTH RIVER ROCK	
LIGHTING		
[L-115]	SQUARE ALUMINUM POLE	7L9.91
MISCELLANEOUS SITE FEATURES		
[M-102]	BIKE RACK (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)	3L3.91
[M-103]	WIRE LATTICE STRUCTURE	6L3.91
[M-104]	SAWN TOP NATURAL STONE BENCH	6L3.90
[M-107]	TRASH RECEPTACLE (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)	9L3.91
[M-108]	PLANTER POT (PURCHASED BY OWNER, INSTALLED BY CONTRACTOR)	7L3.91
CONCRETE		
[P-201]	PEDESTRIAN CONCRETE PAVING	1L3.90
[P-202]	PEDESTRIAN CONCRETE PAVING WITH INTEGRAL COLOR FINISH	1L3.90
[P-203]	PEDESTRIAN CONCRETE PAVING WITH INTEGRAL COLOR FINISH	1L3.90
UNIT PAVER		
[P-302]	STANDARD CONCRETE PAVER BANDING	2L3.90
STONE		
[P-401]	DECOMPOSED GRANITE WITH BINDER	4L3.90
RAILS		
[R-101]	ALUMINUM PIPE PICKET GUARDRAIL	2L3.92
[R-102]	ALUMINUM PIPE HANDRAIL (WALL MOUNT)	3L3.94
[R-103]	ALUMINUM PIPE HANDRAIL (GROUND MOUNT)	3L3.94

SYMBOL	DESCRIPTION	DETAIL
STEPS		
[S-101]	CAST IN PLACE CONCRETE STAIRS	2L3.94
WALLS		
[W-101]	CIP RETAINING WALL WITH GUARDRAIL	2L3.92
[W-102]	MSE RETAINING WALL WITH GUARDRAIL	4L3.92
[W-105]	BAR LEDGE ON RAILING	3L3.92

- NOTE:**
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 - SEE LIGHTING PLAN FOR ALL LIGHTING PRODUCT INFORMATION. LIGHTING TO BE PURCHASED BY OWNER AND INSTALLED BY CONTRACTOR.
 - MONUMENT SIGNS ON THE PROJECT DESIGNED BY OTHERS. SHOP DRAWINGS TO BE REVIEWED AND APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION OF MONUMENT SIGNS.

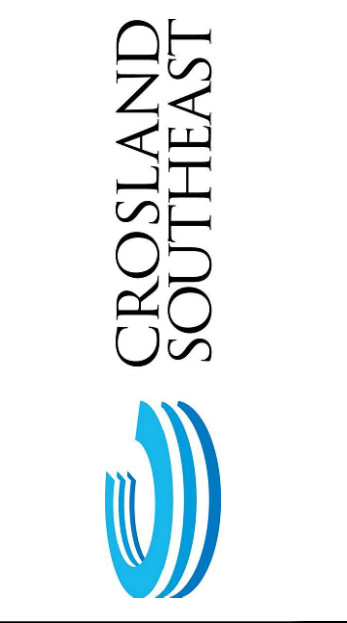


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 PROJECT # L22007



REVISIONS:

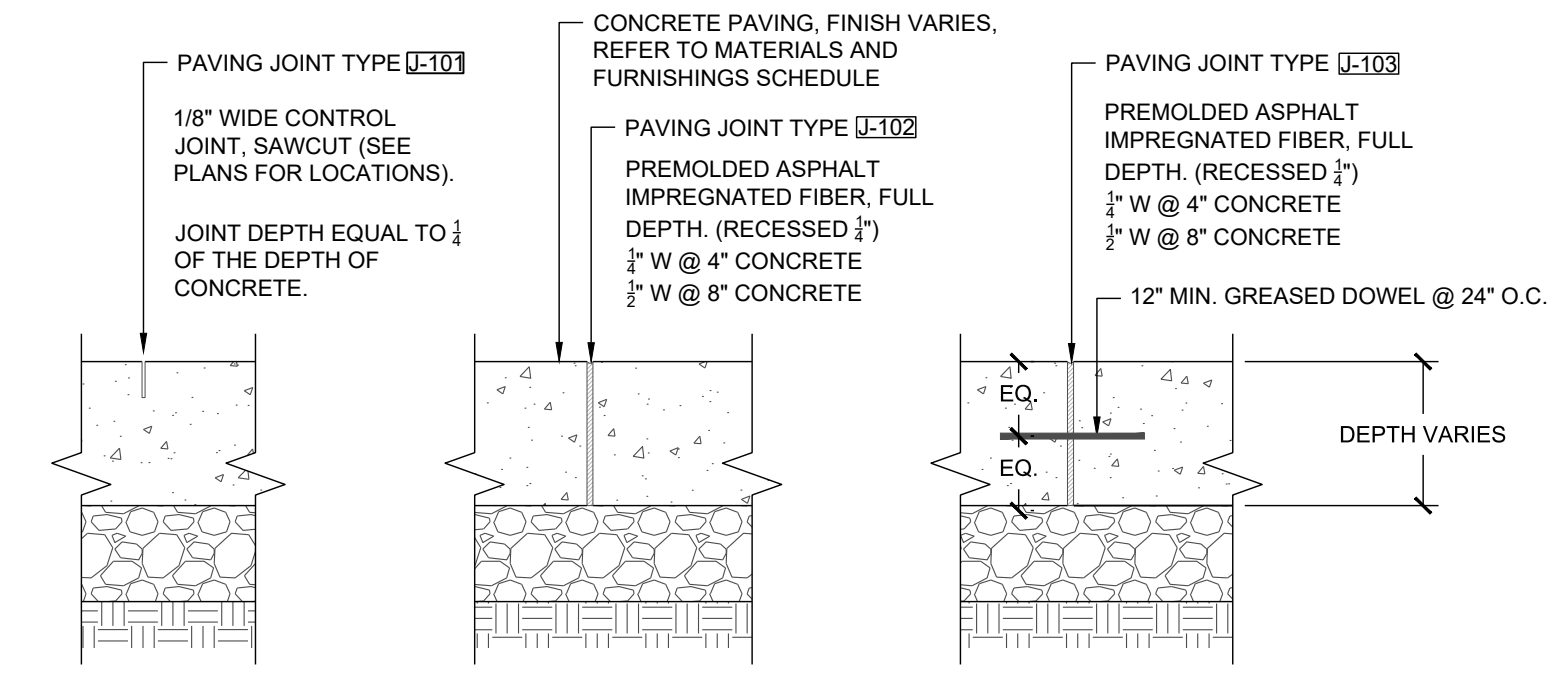
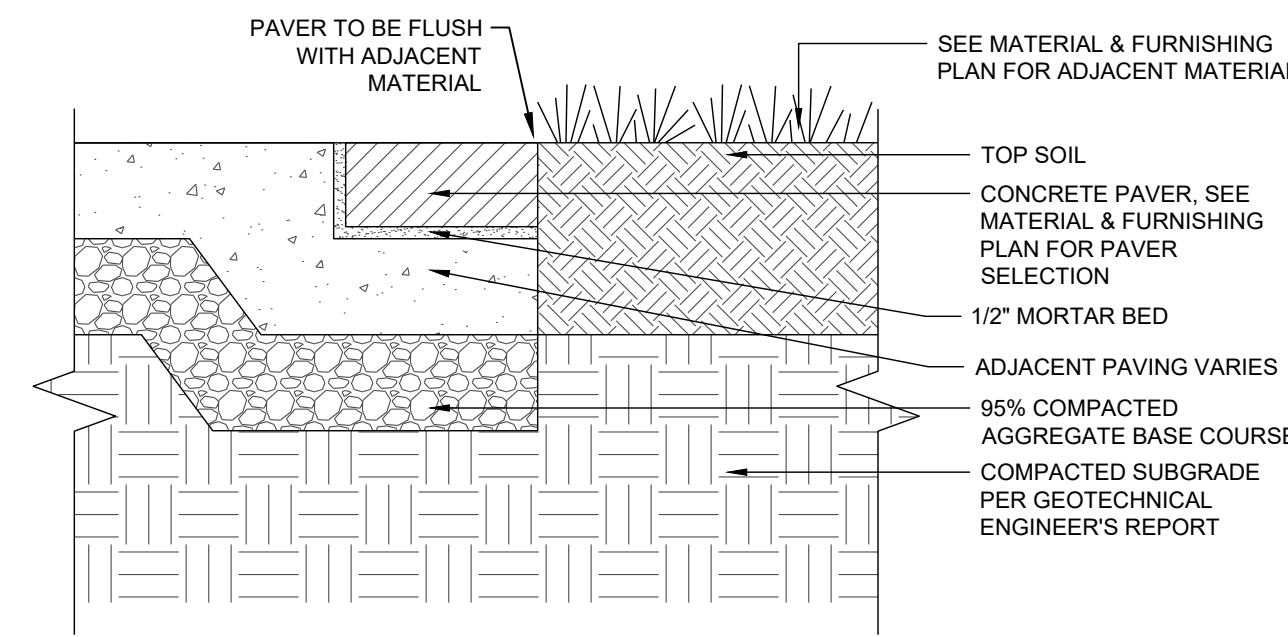
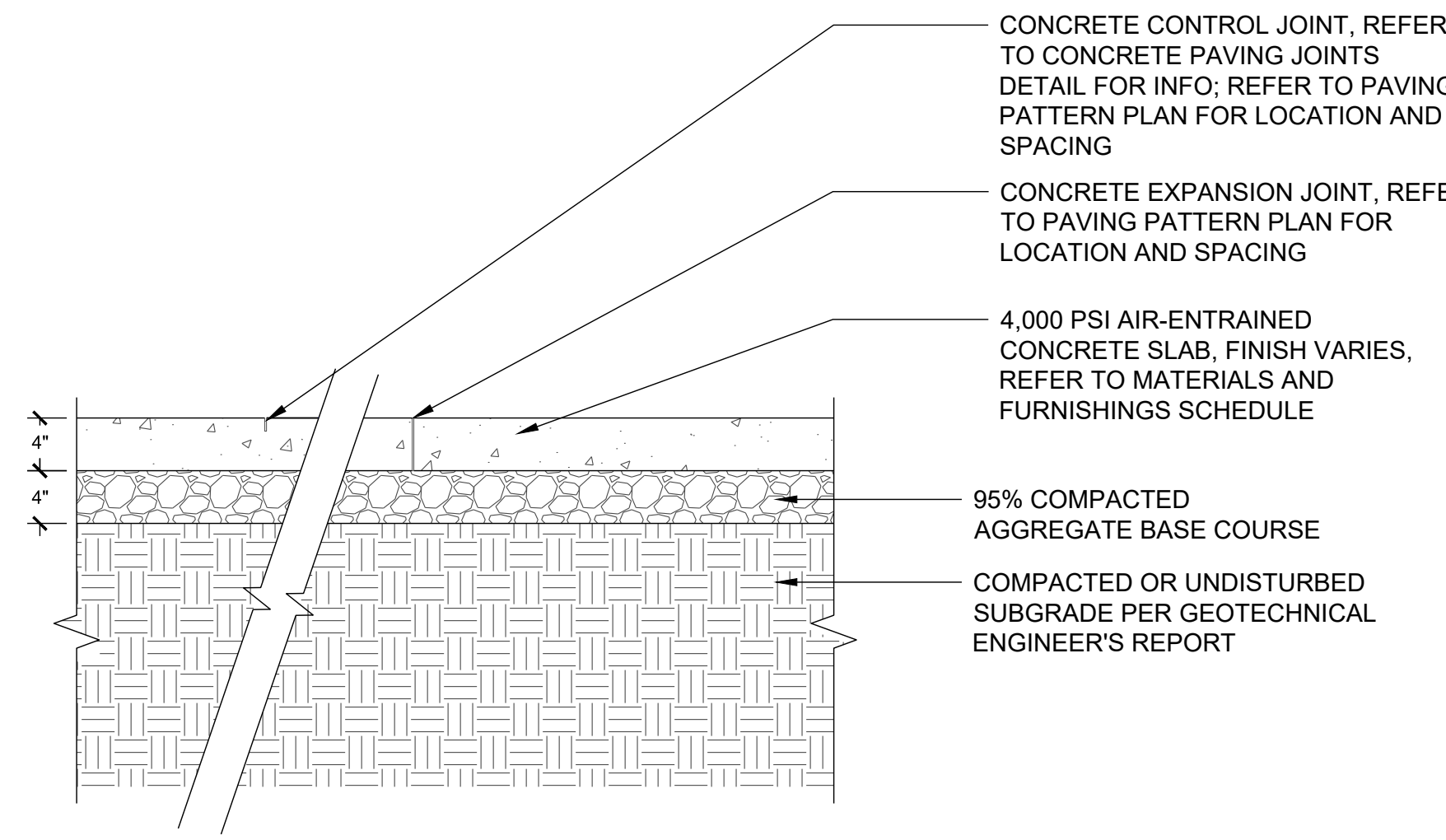
#	DATE	DESCRIPTION
1	26-OCT-23	SDP-23-05 / CID-23-01 COMBINED PERMIT REVIEW
2	14-NOV-23	ISSUED FOR CONSTRUCTION



MATERIAL & FURNISHING PLAN BLDG 4
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
 Town of Rolesville Project No. SDP 23-05 & CID 23-01
 S Main St. / US 401 and Virginia Water Drive
 Rolesville, Wake County, North Carolina

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 ENGINEERS & PLANNERS
 2755-B Charles Blvd.
 Charlotte, NC 28205
 (754) 558-0888
 www.arkconsultinggroup.com

10/26/2023
 Project Manager: _____
 Drawn By: _____
 Checked By: _____
 Project Number: _____
 Drawing Number: _____
 Date: October 26, 2023
L3.13
 SDP

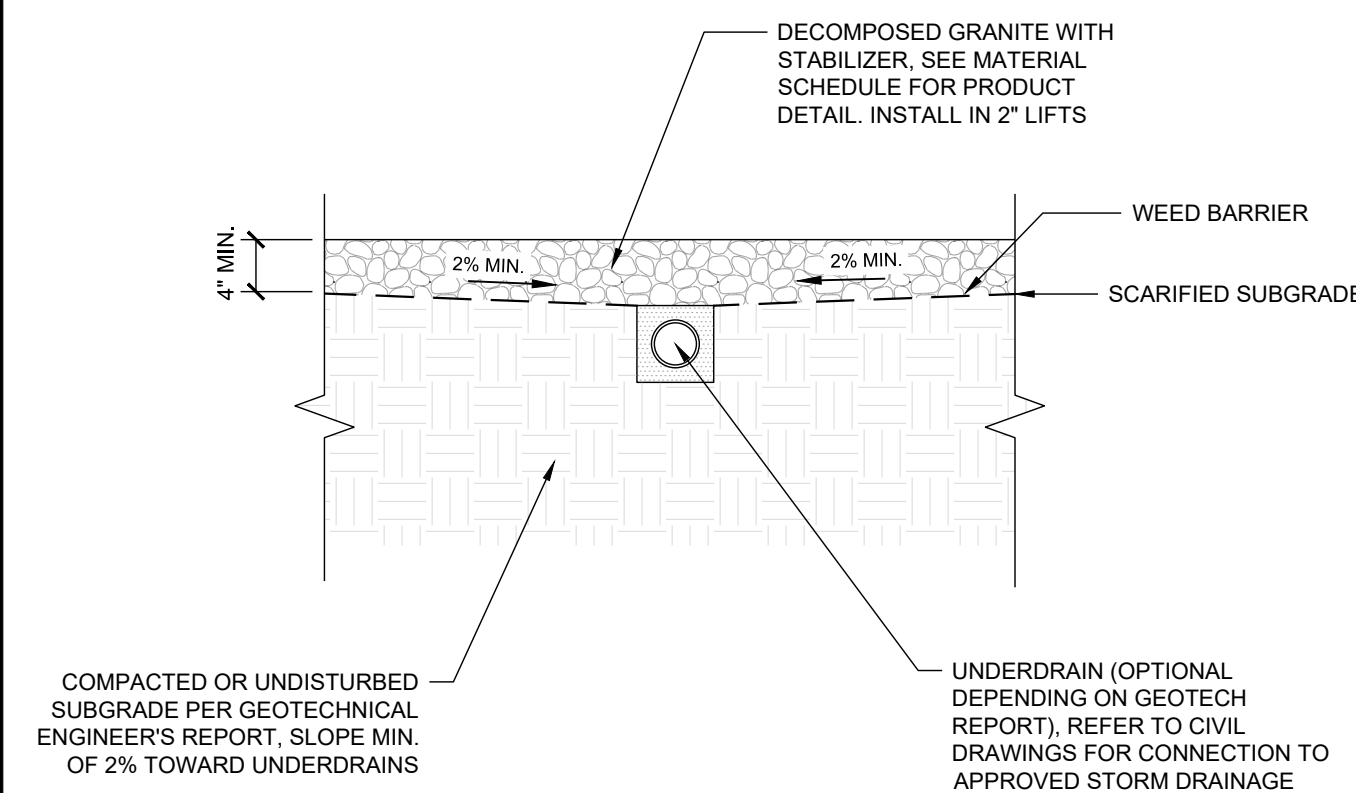


- NOTES:
- REFER TO PAVING PLAN FOR LAYOUT AND SPACING OF JOINTS.
 - EXPANSION JOINTS SHALL OCCUR AT ALL AREAS WHERE PAVEMENT MEETS WALLS / VERTICAL SURFACE AND AT ALL COLD JOINTS.

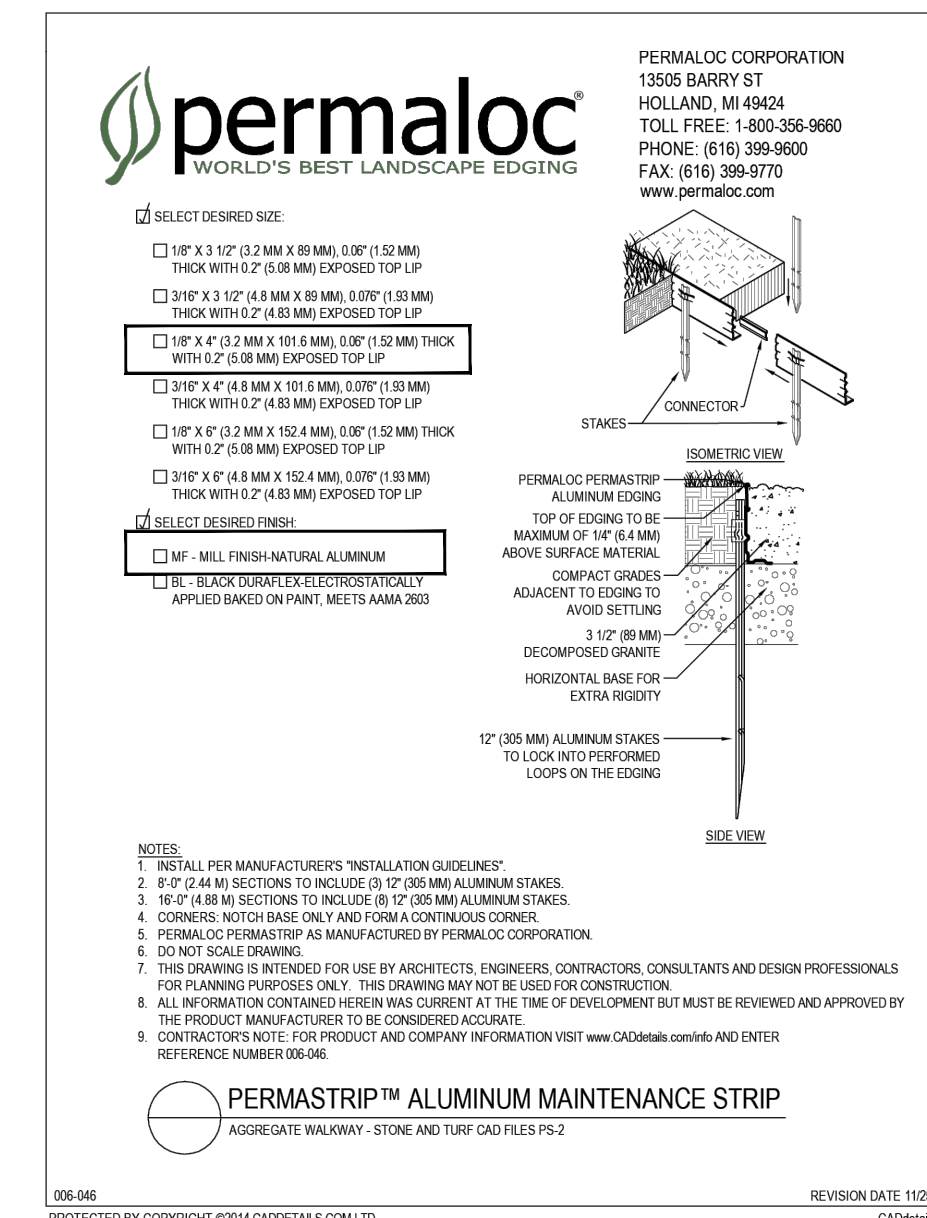
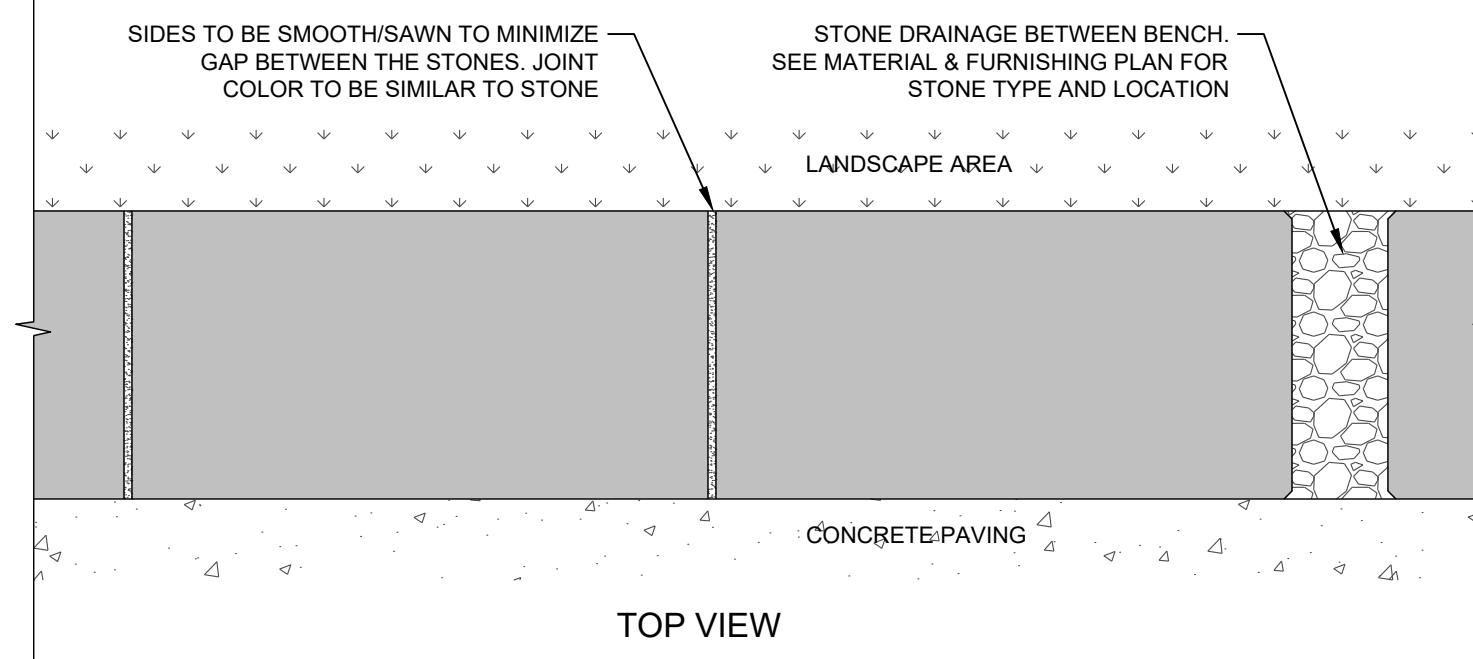
1 PEDESTRAIN CONCRETE PAVING
1" = 1'-0"

2 CONCRETE PAVER BANDING
1 1/2" = 1'-0"

3 CONCRETE PAVING JOINTS
1 1/2" = 1'-0"

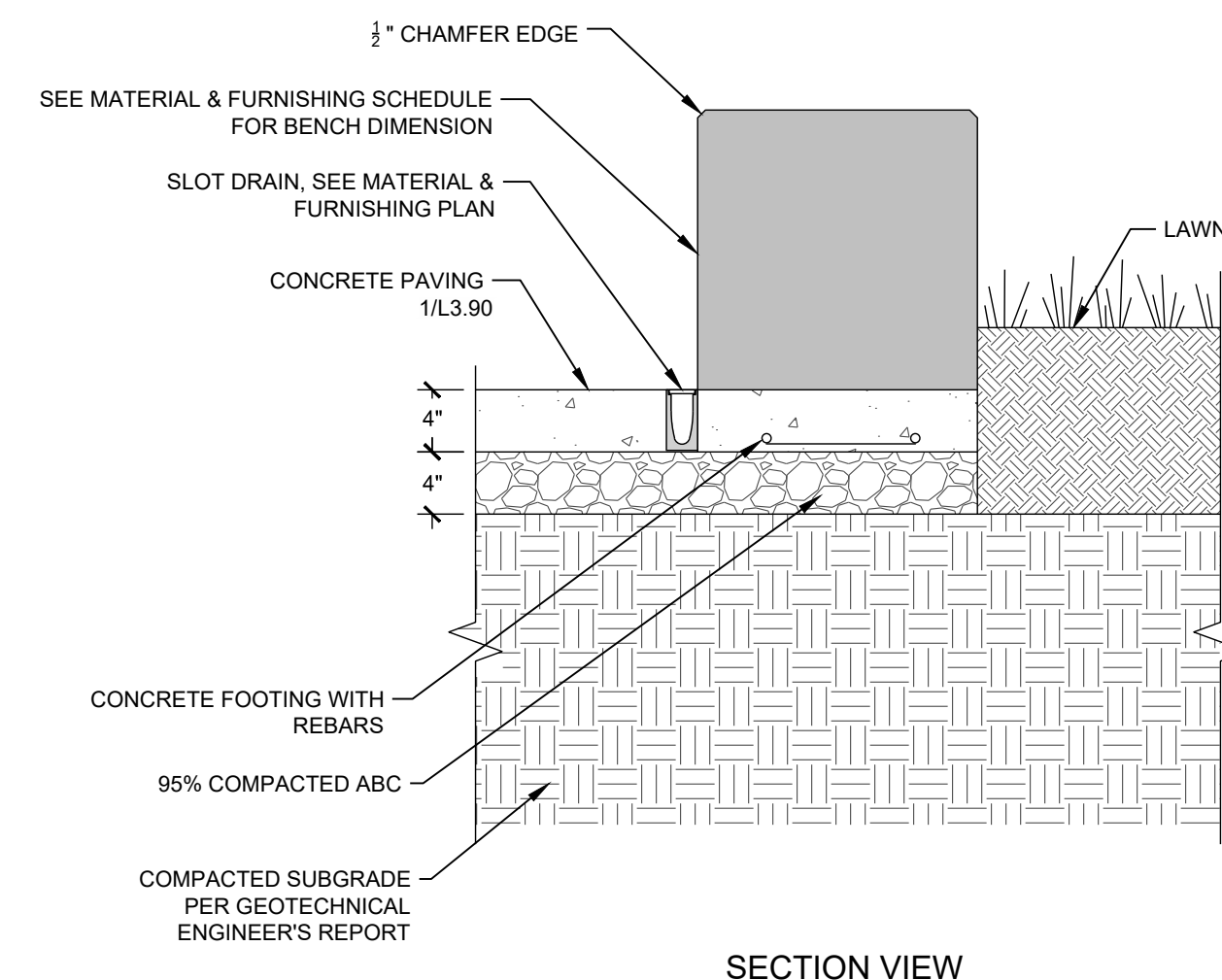


- NOTES:
- STONE TO HAVE SMOOTH/SAWN TOP AND CONNECTING SIDES. ALL OTHER SIDES TO BE ROUGH/NATURAL.
 - CONCRETE FOOTING TO BE THE SAME WIDTH AS THE STONE BENCH.
 - CONTRACTOR TO PROVIDE STONE & JOINT COLOR SAMPLE TO LA FOR REVIEW/APPROVAL.
 - SEE SITE PLAN FOR STONE LAYOUT.



7 EDGING TYPE 1
1" = 1"

4 DECOMPOSED GRANITE WITH STABILIZER
3/4" = 1'-0"



6 CUT STONE BENCH
1" = 1'-0"

SITE DETAILS

PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
Town of Rolesville Project No. SDP 23-05 & CID 23-01
S Main St. / US 401 and Virginia Water Drive
Rolesville, Wake County, North Carolina

NC License: P-11199
ARK CONSULTING GROUP PLLC
ENGINEERS & PLANNERS
2755-B Charles Blvd.
Raleigh, NC 27603
(919) 558-0888
www.arkconsultinggroup.com

Project Manager:	
Drawn By:	
Checked By:	
Project Number:	
Drawing Number:	
Date:	October 26, 2023

STEWART
223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
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FIRM LICENSE #
C-1051
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PROJECT # L22007

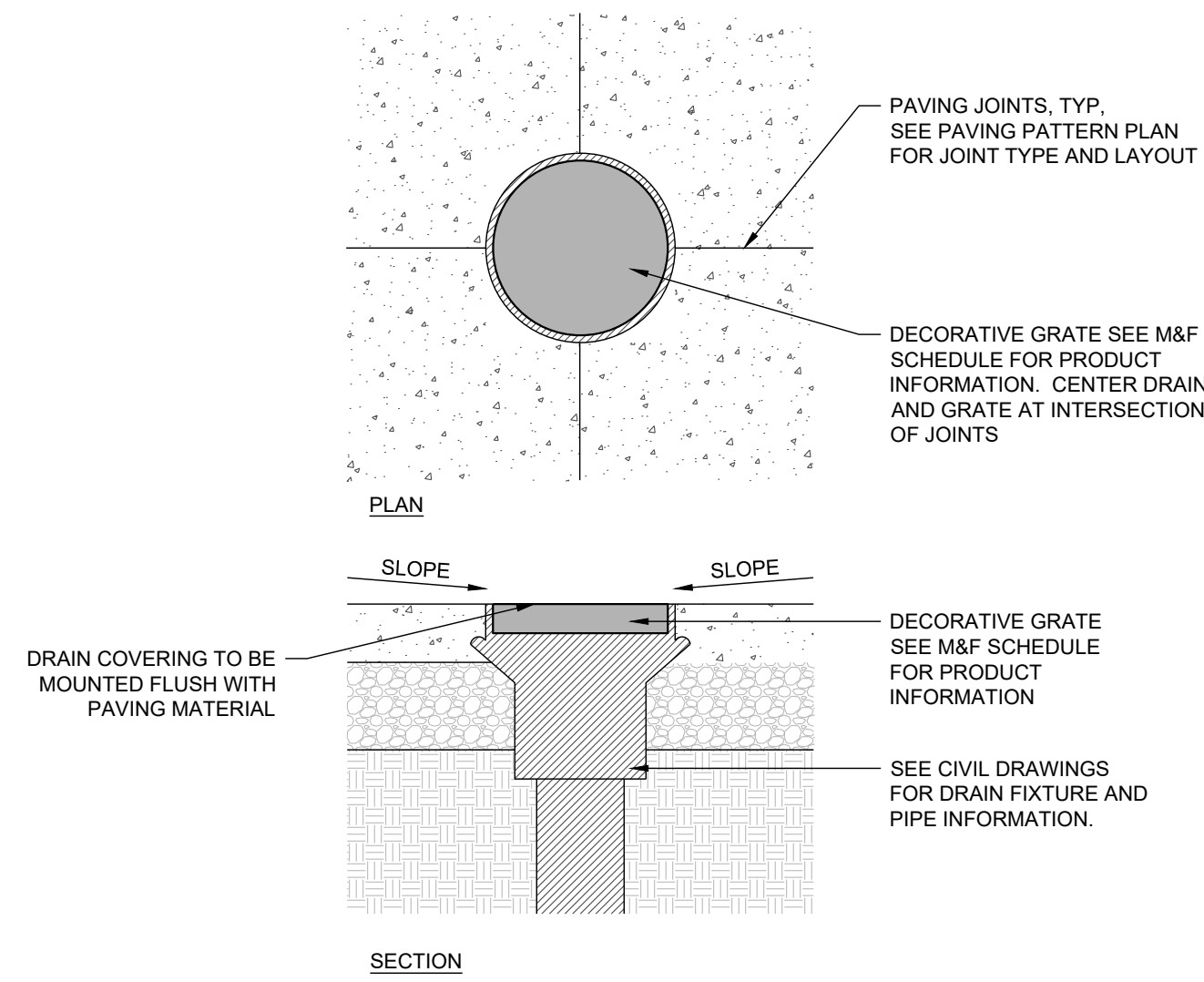


L3.90

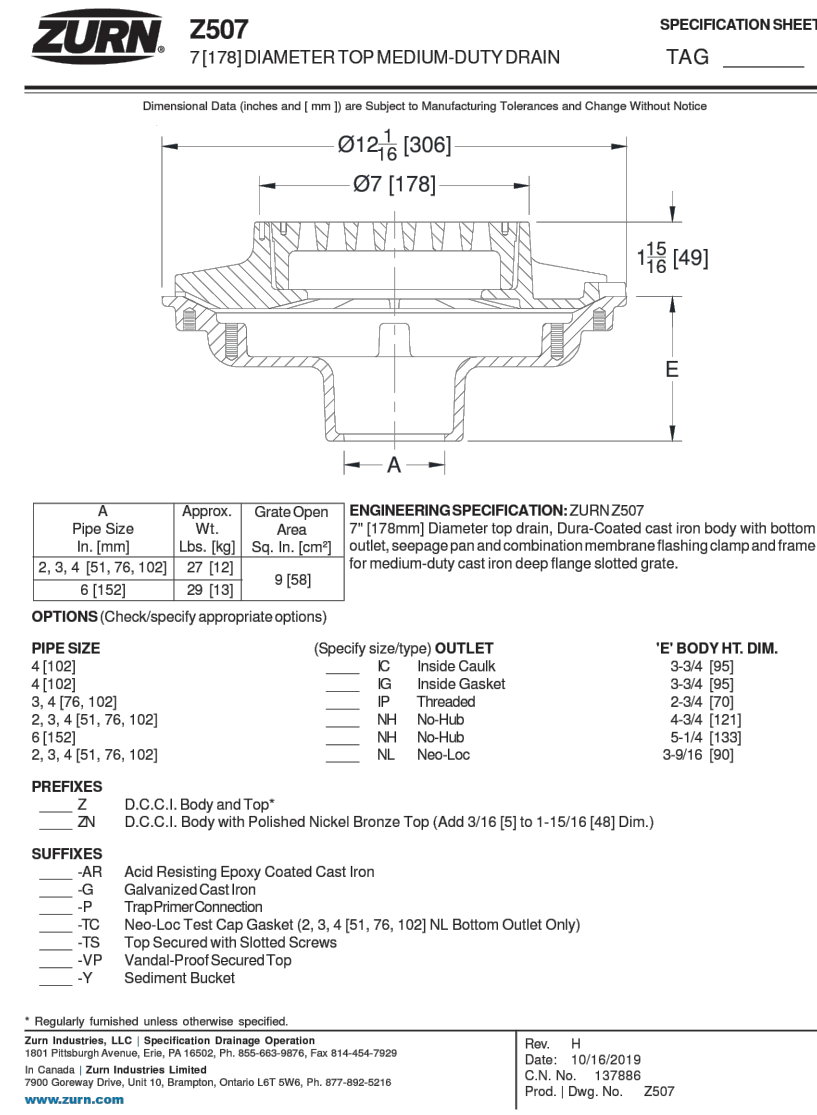
SDP

NO.	DATE	DESCRIPTION
1	10/26/2023	ISSUED FOR CONSTRUCTION
2	10/26/2023	SDP 23-05 & CID 23-01 COMBINED PERMIT REVIEW

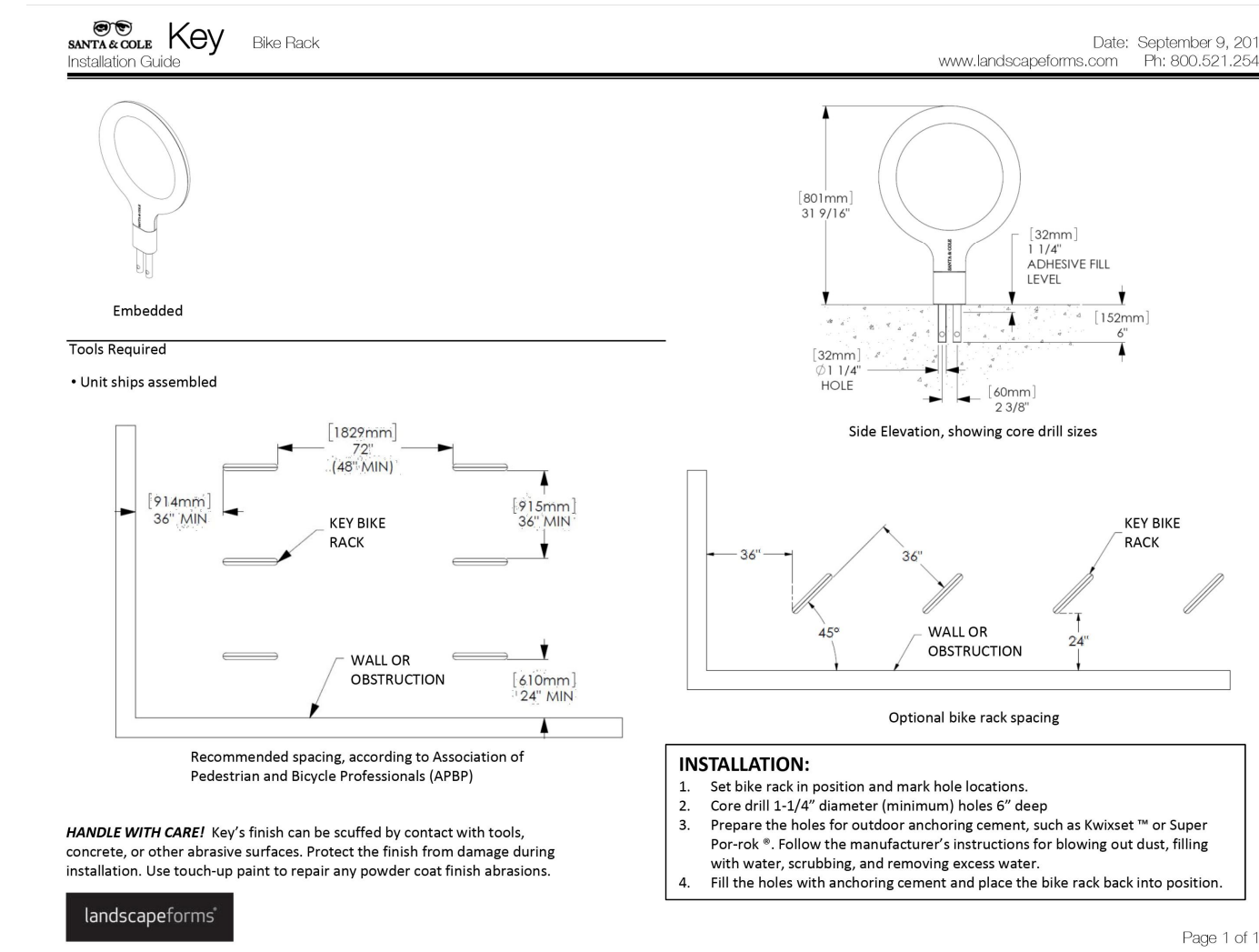
CROSLAND SOUTHEAST



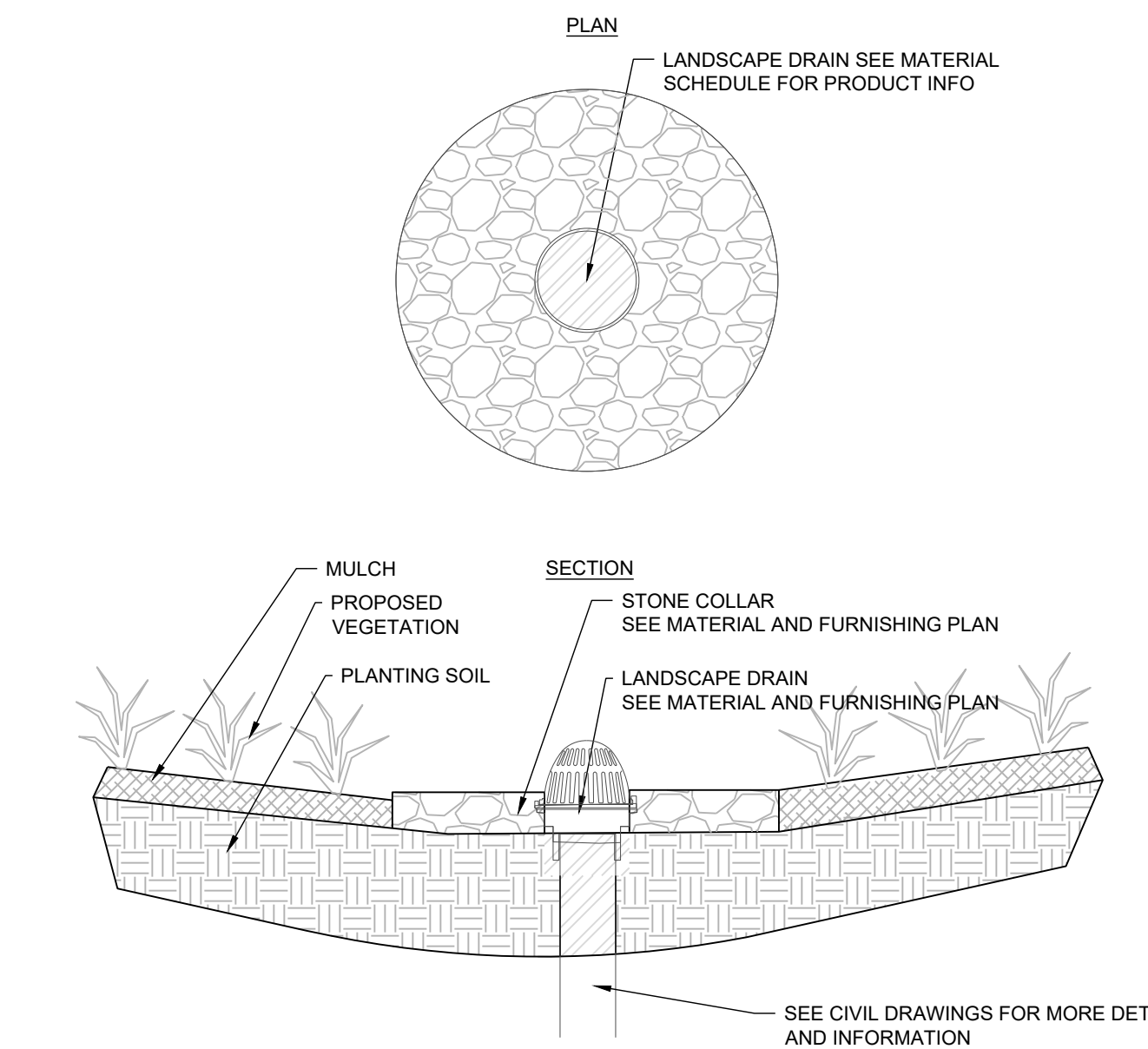
1 DRAIN IN HARDSCAPE
1" = 1'-0"



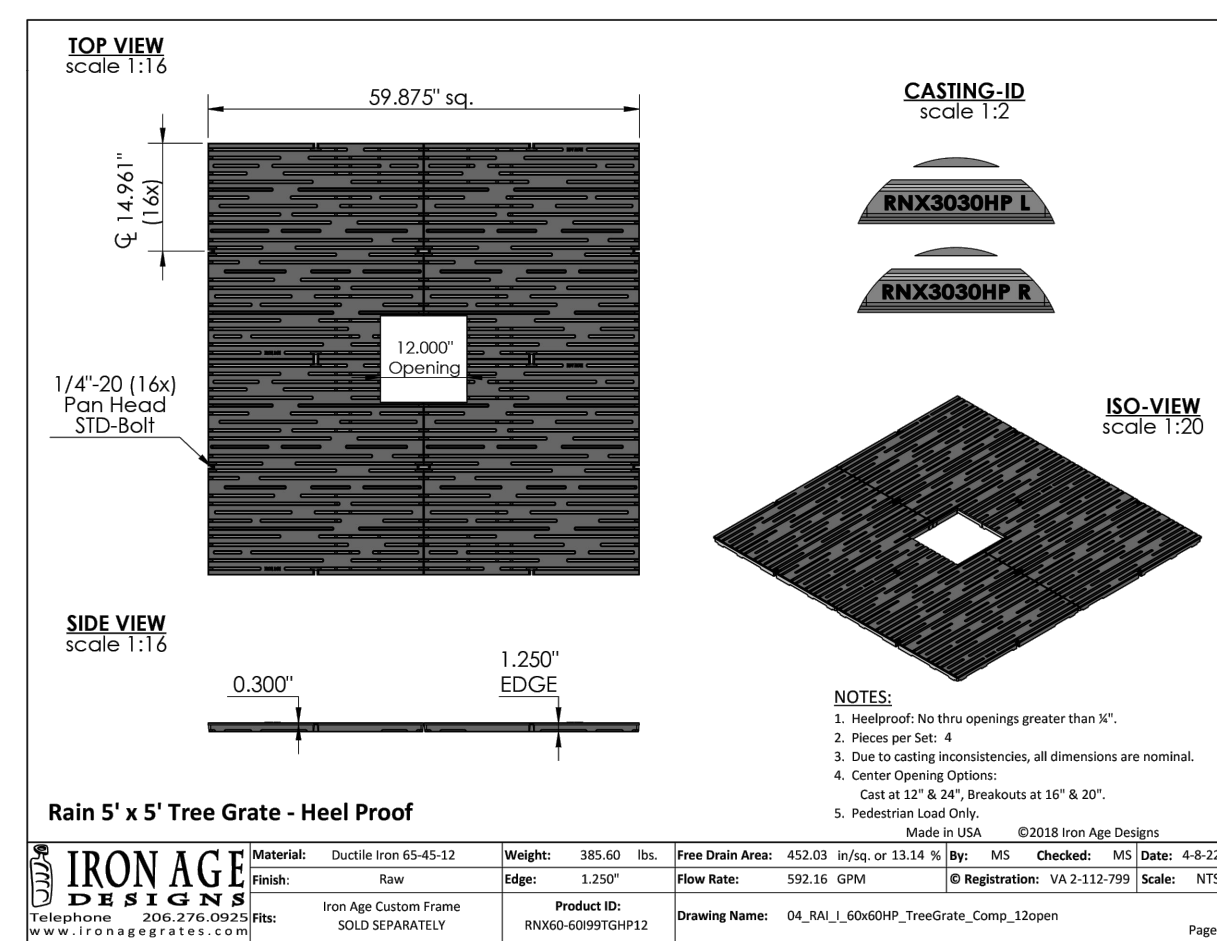
2 AREA DRAIN GRATE
1" = 1'-0"



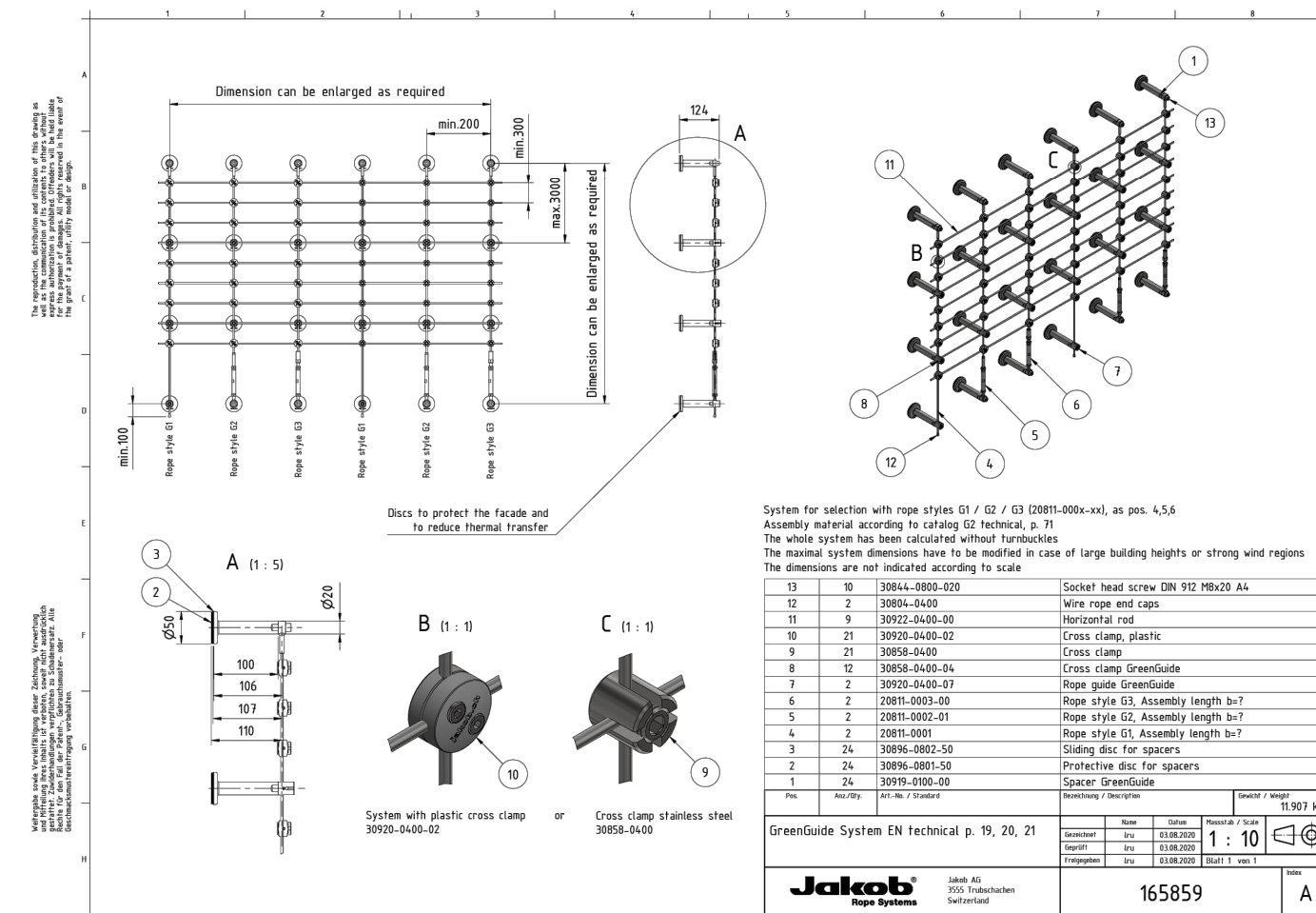
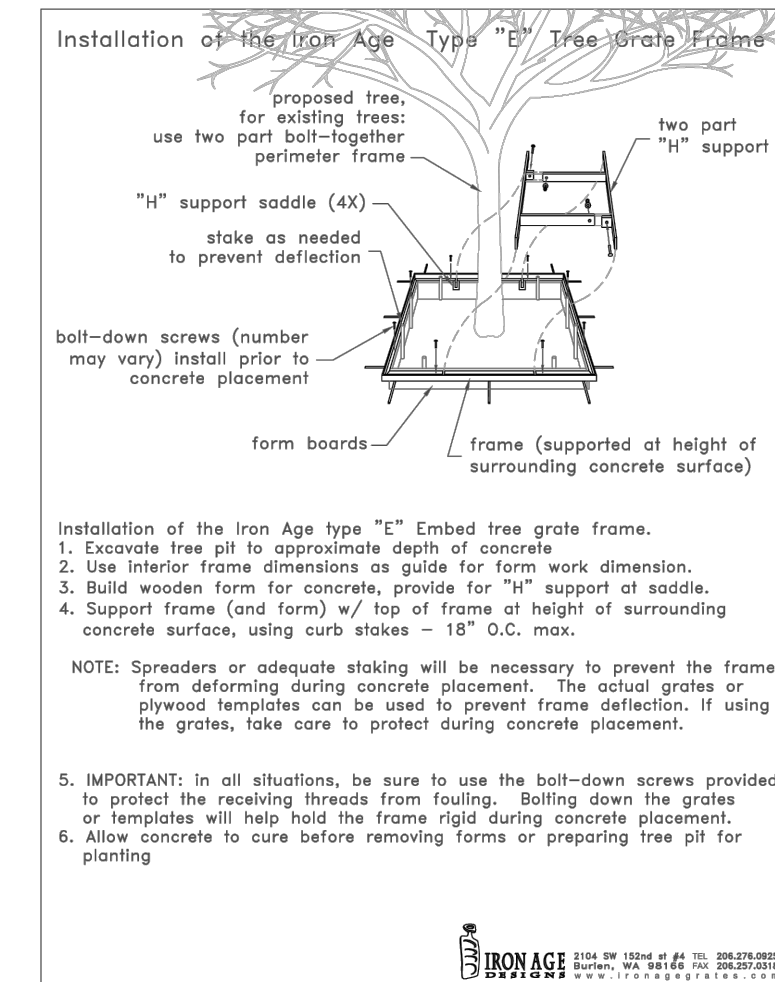
3 BIKE RACK INSTALLATION
1" = 1"



4 RIVER ROCK AND LANDSCAPE DRAIN
1" = 1'-0"



5 TREE GRATE
1" = 1"



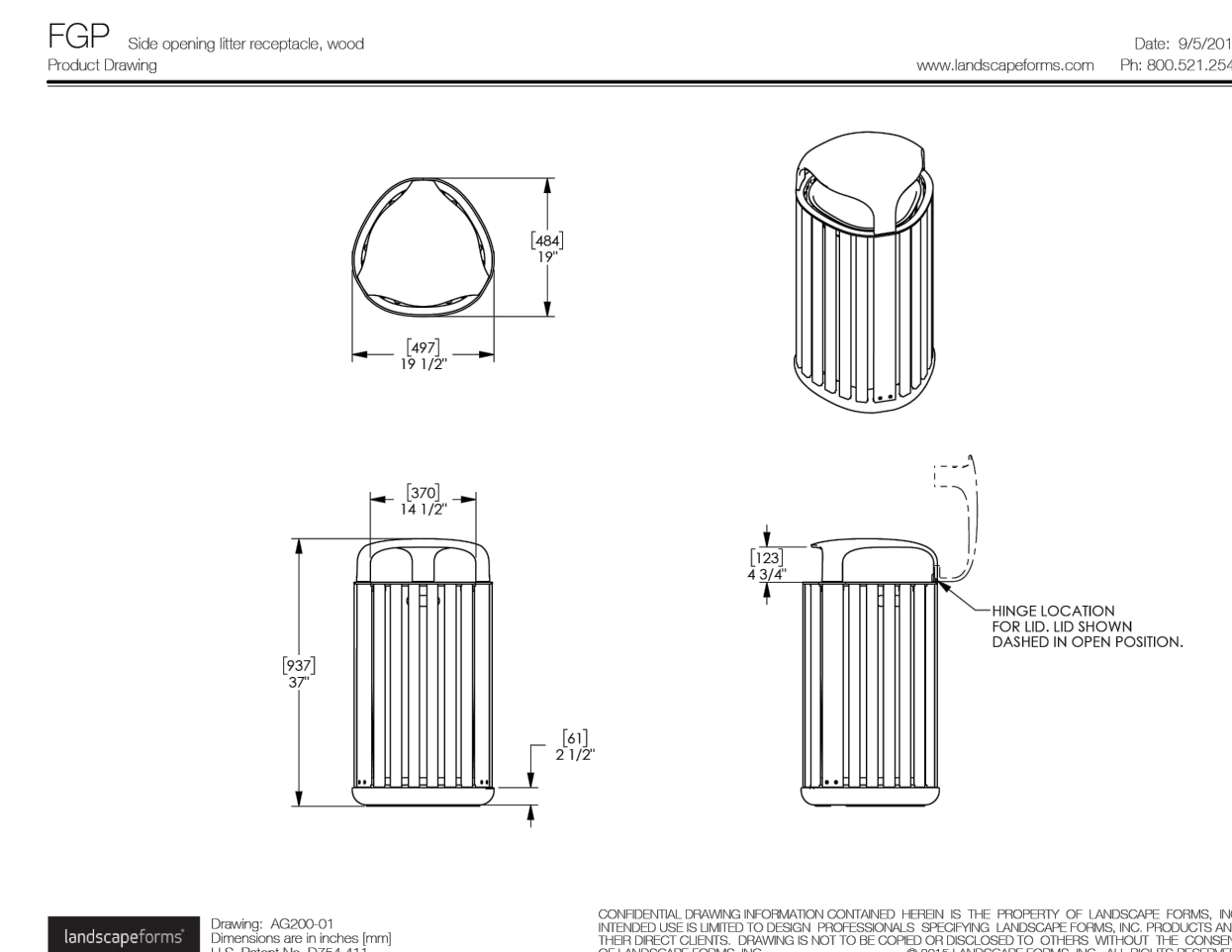
6 WIRE LATTICE STRUCTURE
1" = 1"



7 PLANTER POT
1" = 1'-0"



8 TRENCH DRAIN
1" = 1"



9 TRASH RECEPTACLE
1" = 1'-0"

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223 S. WEST STREET
SUITE 1100
RALEIGH, NC 27603
T 919.380.8750

FIRM LICENSE #:
C-1051
www.stewartinc.com
PROJECT #: L22007

NORTH CAROLINA
REGISTERED LANDSCAPE ARCHITECT
STEPHEN STUBBS
10/26/2023

CROSLAND SOUTHEAST

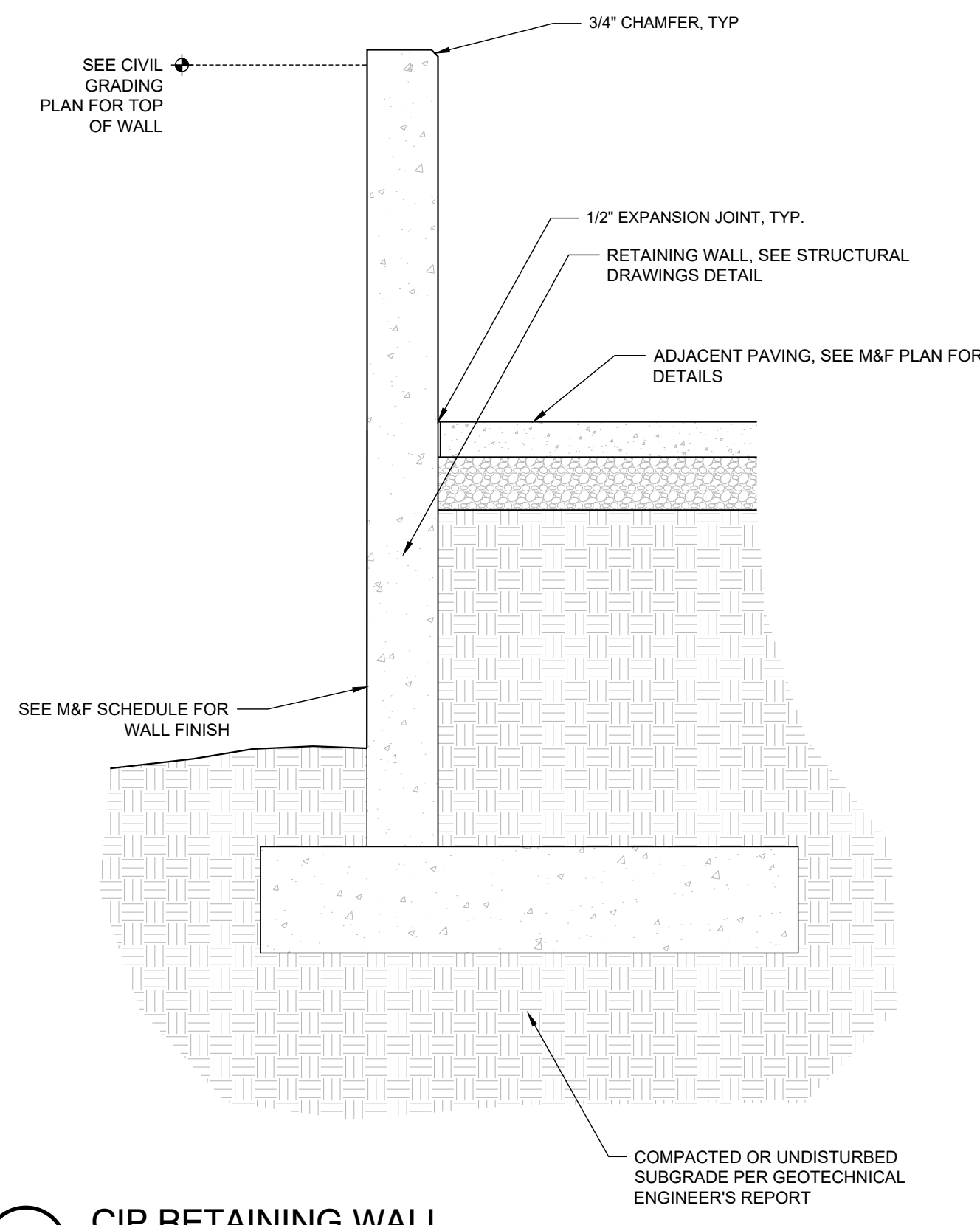
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
Town of Rolesville Project No. SDP 23-05 & CID 23-01
S Main St. / US 401 and Virginia Water Drive
Rolesville, Wake County, North Carolina

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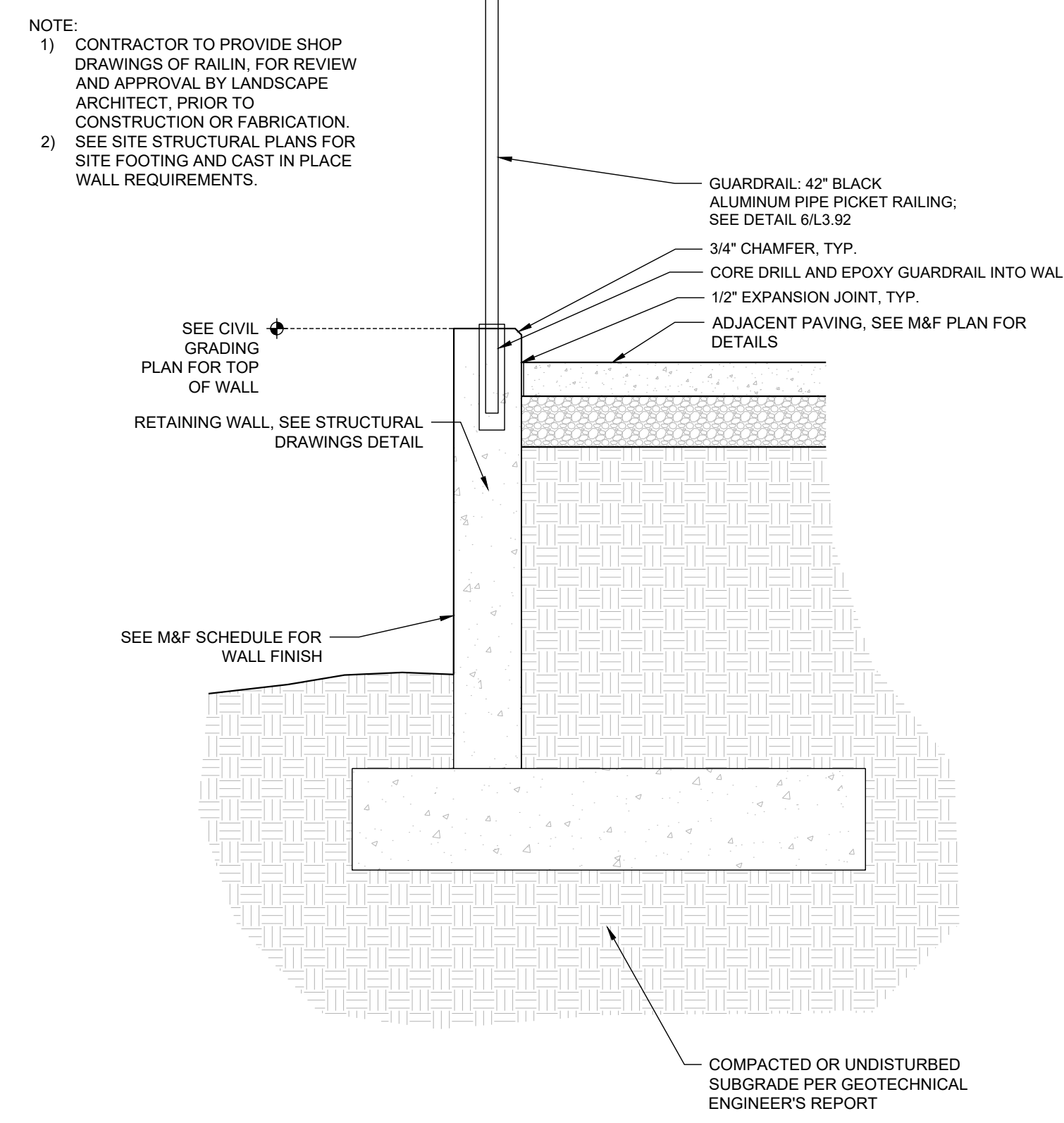
NC License: P-1159

Project Manager:
Drawn By:
Checked By:
Project Number:
Drawing Number:
Date: October 26, 2023

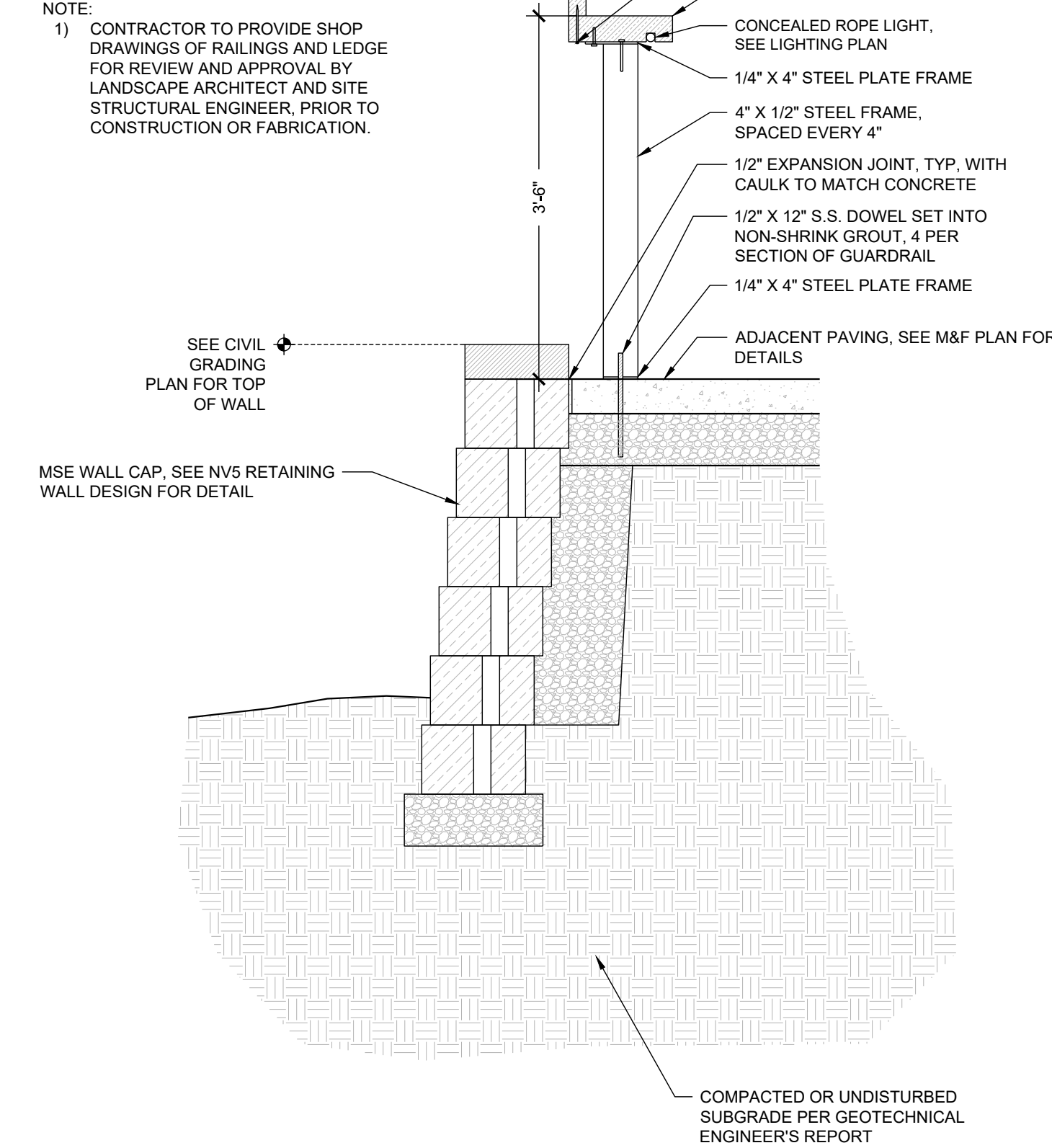
L3.91
SDP



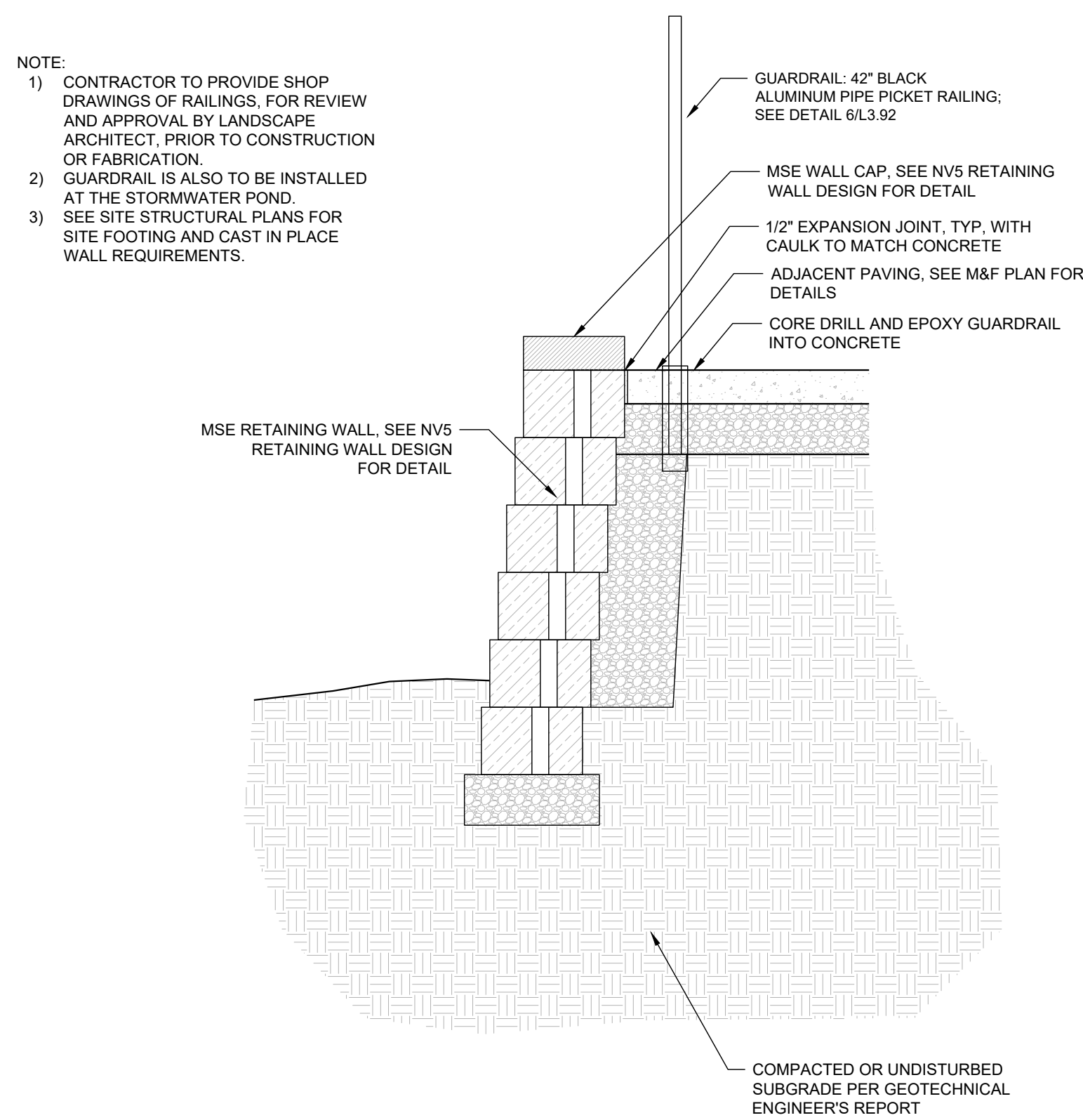
1 CIP RETAINING WALL
3/4" = 1'-0"



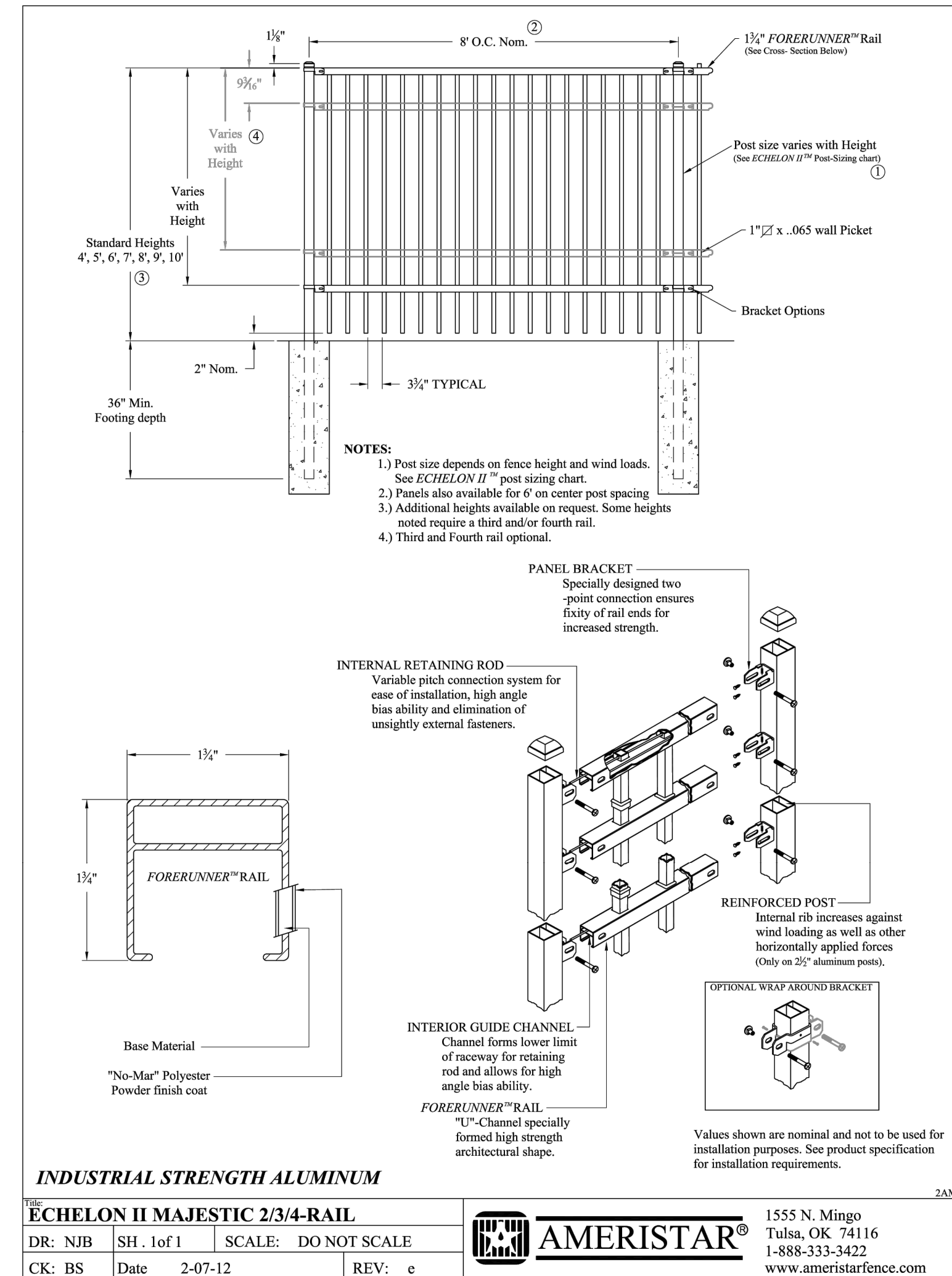
2 CIP RETAINING WALL WITH GUARDRAIL
3/4" = 1'-0"



3 BAR LEDGE ON GUARDRAIL
3/4" = 1'-0"



4 MSE RETAINING WALL GUARDRAIL
3/4" = 1'-0"



6 GUARDRAIL (R-101)
1" = 1"

2 14 NOV 23 (SU) FOR CONSTRUCTION
 1 26 OCT 23 SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
 # DATE DESCRIPTION

CROSLAND SOUTHEAST
 REVISIONS:

SITE DETAILS
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
 Town of Rolesville Project No. SDP 23-05 & CID 23-01
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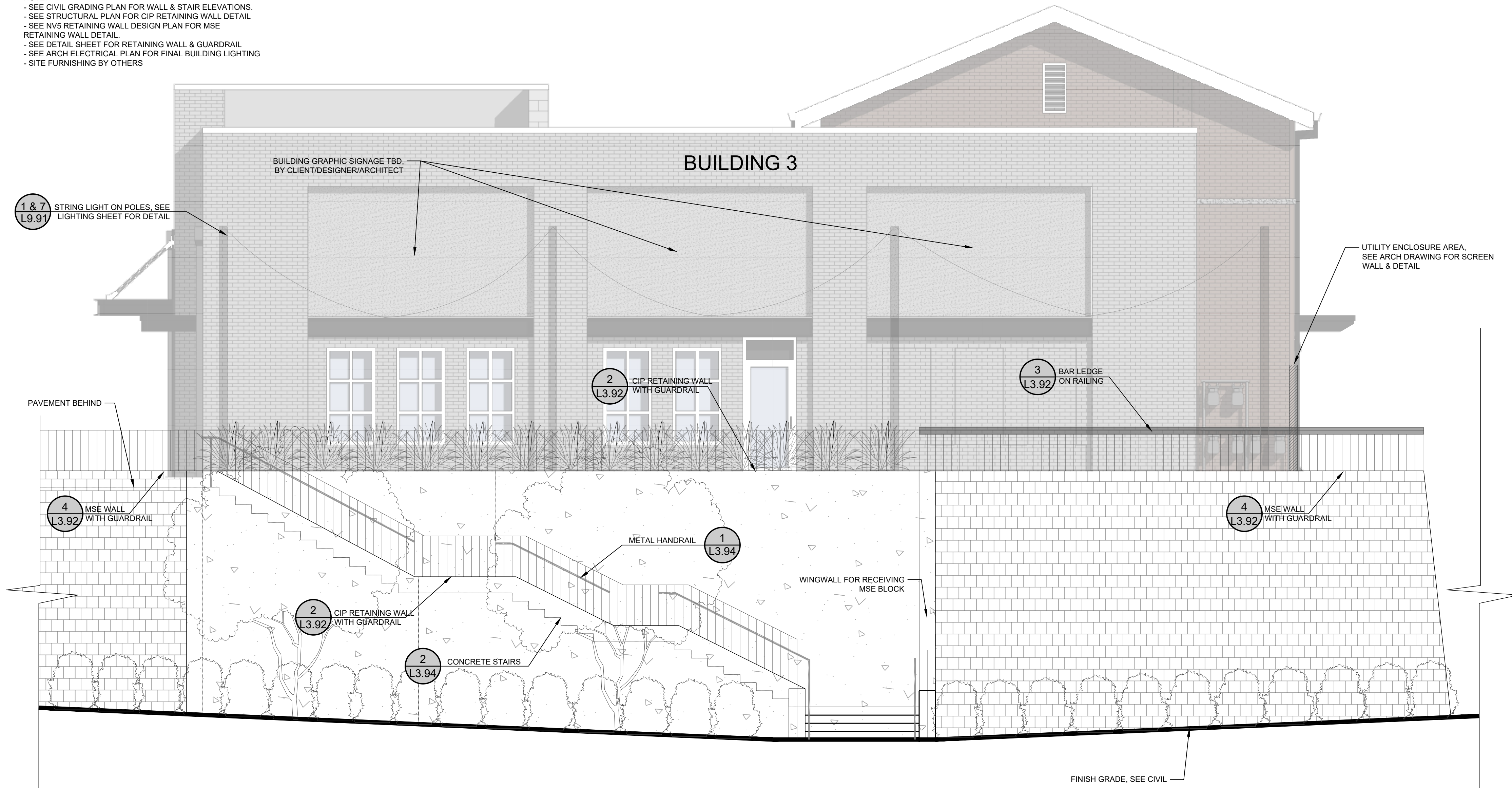
Project Manager:	
Drawn By:	
Checked By:	
Project Number:	
Drawing Number:	
Date:	October 26, 2023

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 223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603 T 919.380.8750
 FIRM LICENSE # C-1051 www.stewartinc.com PROJECT # L22007

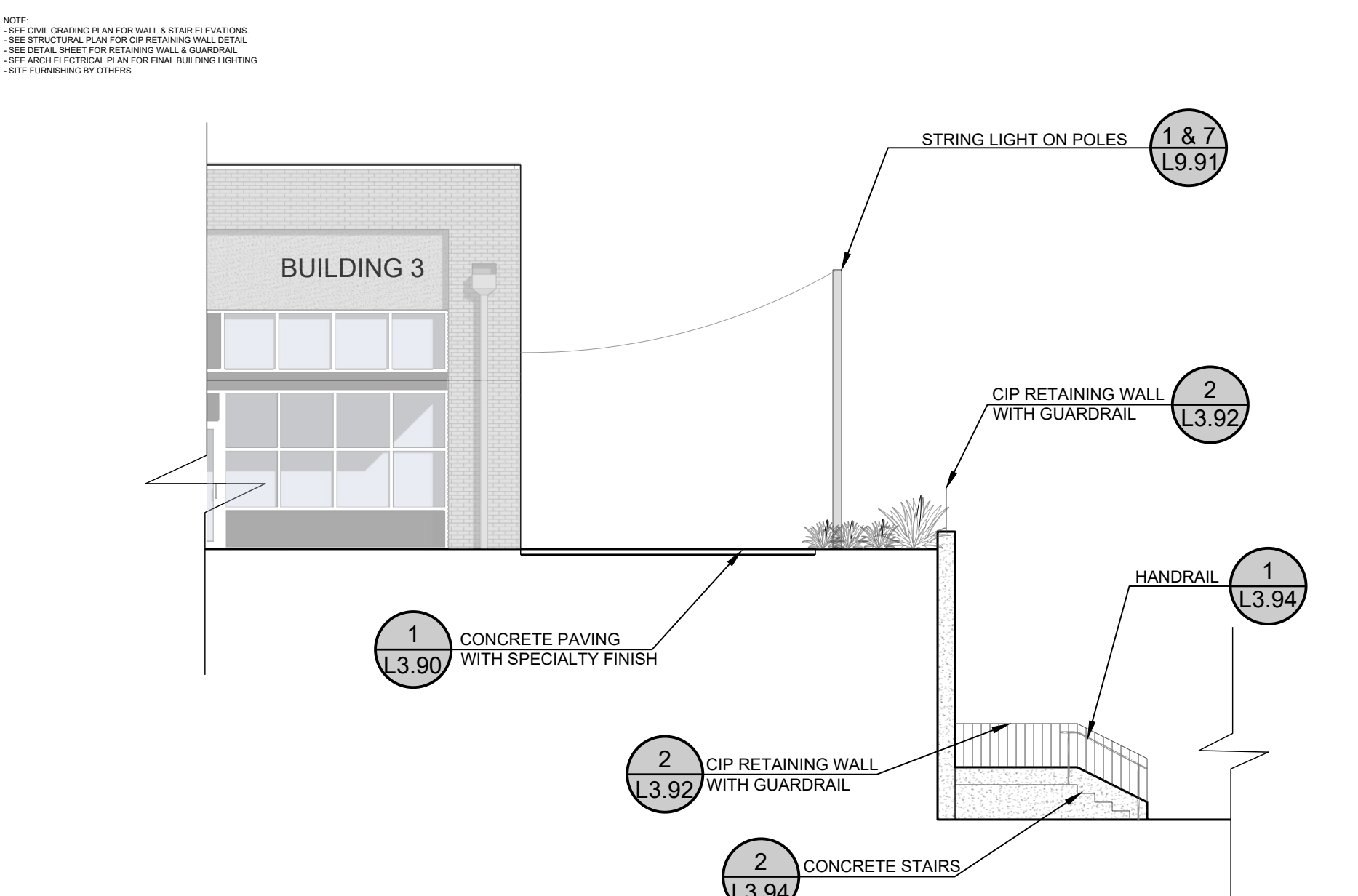
NORTH CAROLINA
 2054
 LANDSCAPE ARCHITECTS
 STEPHEN M. STEBBINS
 10/26/2023

L3.92
 SDP

NOTE:
 - SEE CIVIL GRADING PLAN FOR WALL & STAIR ELEVATIONS.
 - SEE STRUCTURAL PLAN FOR CIP RETAINING WALL DETAIL
 - SEE NV9 RETAINING WALL DESIGN PLAN FOR MSE
 RETAINING WALL DETAIL.
 - SEE DETAIL SHEET FOR RETAINING WALL & GUARDRAIL
 - SEE ARCH ELECTRICAL PLAN FOR FINAL BUILDING LIGHTING
 - SITE FURNISHING BY OTHERS



1 CORNER WALL & STAIR ELEVATION
 3" = 1'-0"



2 CORNER SPACE SECTION
 1 1/2" = 1'-0"

#	DATE	DESCRIPTION
1	26-OCT-23	SDP-23-05 / CID-23-01 COMBINED PERMIT REVIEW
2	14-NOV-23	ISSUED FOR CONSTRUCTION



SITE DETAILS
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
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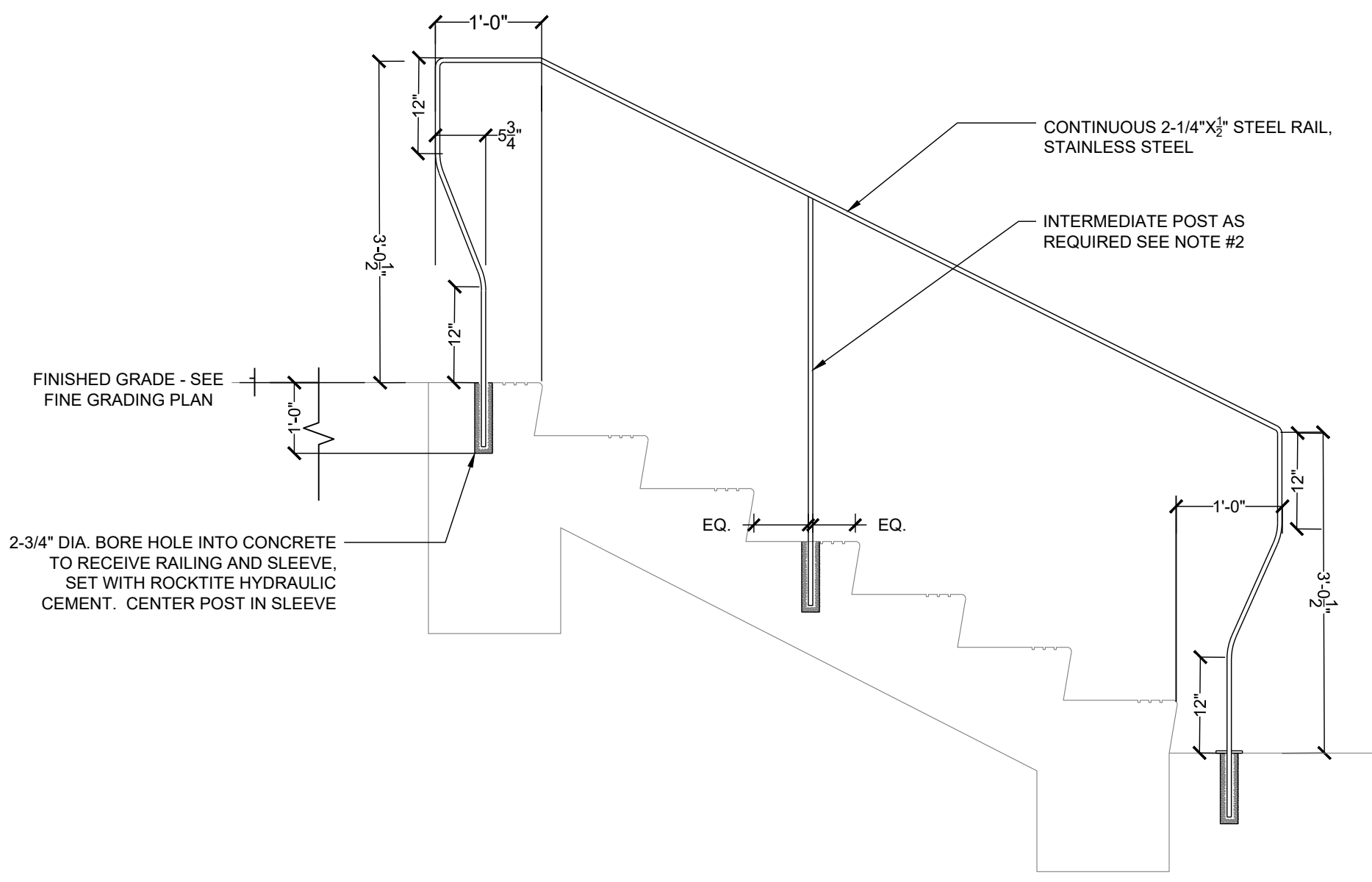
10/26/2023

Project Manager:	
Drawn By:	
Checked By:	
Project Number:	
Drawing Number:	
Date:	October 26, 2023

223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603 T 919.380.8750
 FIRM LICENSE #: C-1051 www.stewartinc.com PROJECT #: L22007

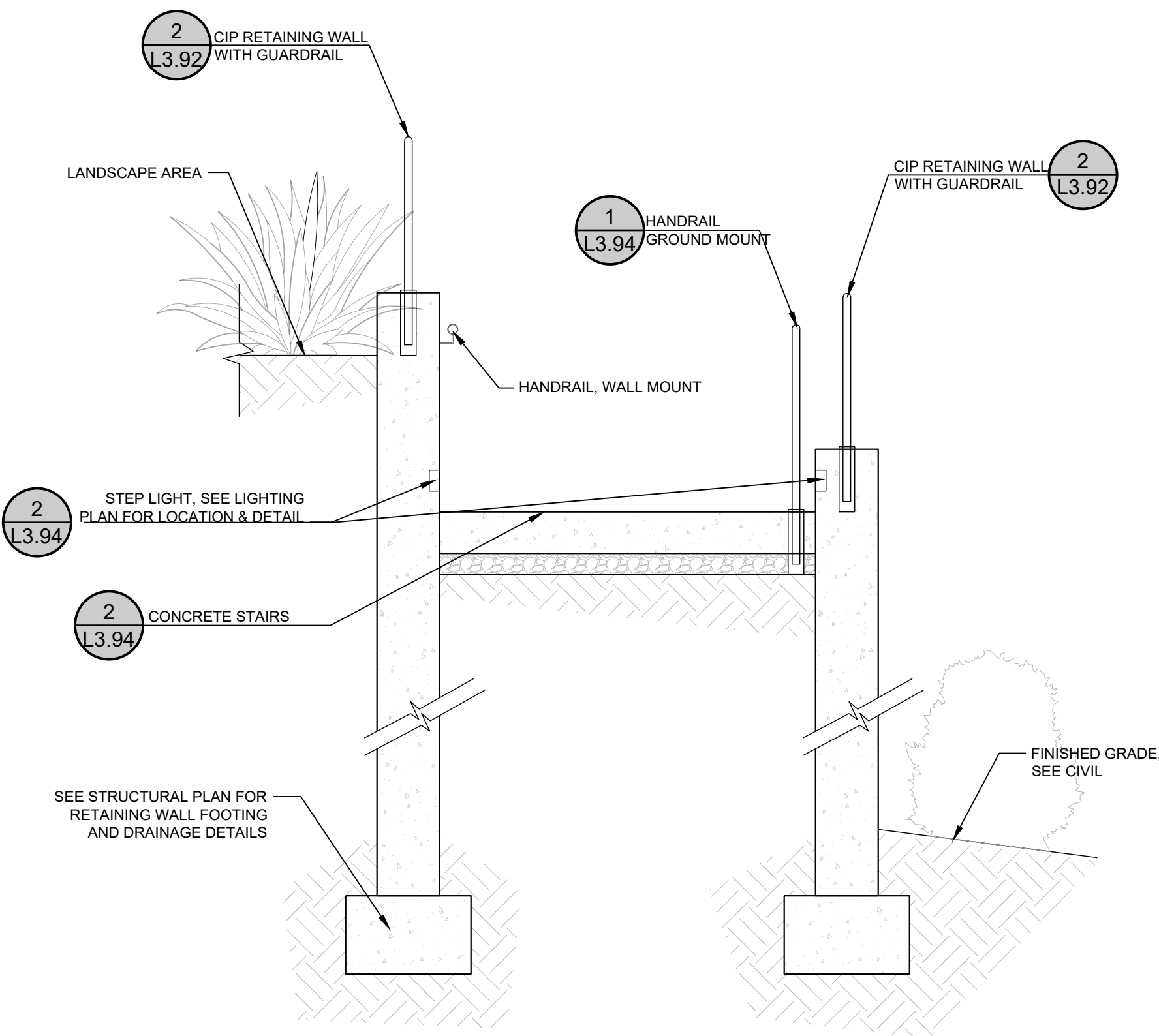
L3.93
 SDP

- NOTES:
 1. SUBMIT SHOP DRAWINGS FOR ALL HANDRAILS TO L.A. FOR REVIEW AND APPROVAL.
 2. LENGTH OF HANDRAIL WILL VARY REFER TO LAYOUT PLANS.
 3. WHEN LENGTH OF HANDRAIL EXCEEDS 6', USE INTERMEDIATE POSTS SPACED EQUALLY.
 4. SEE MATERIALS/FURNISHING SCHEDULE FOR COLOR/FINISH.

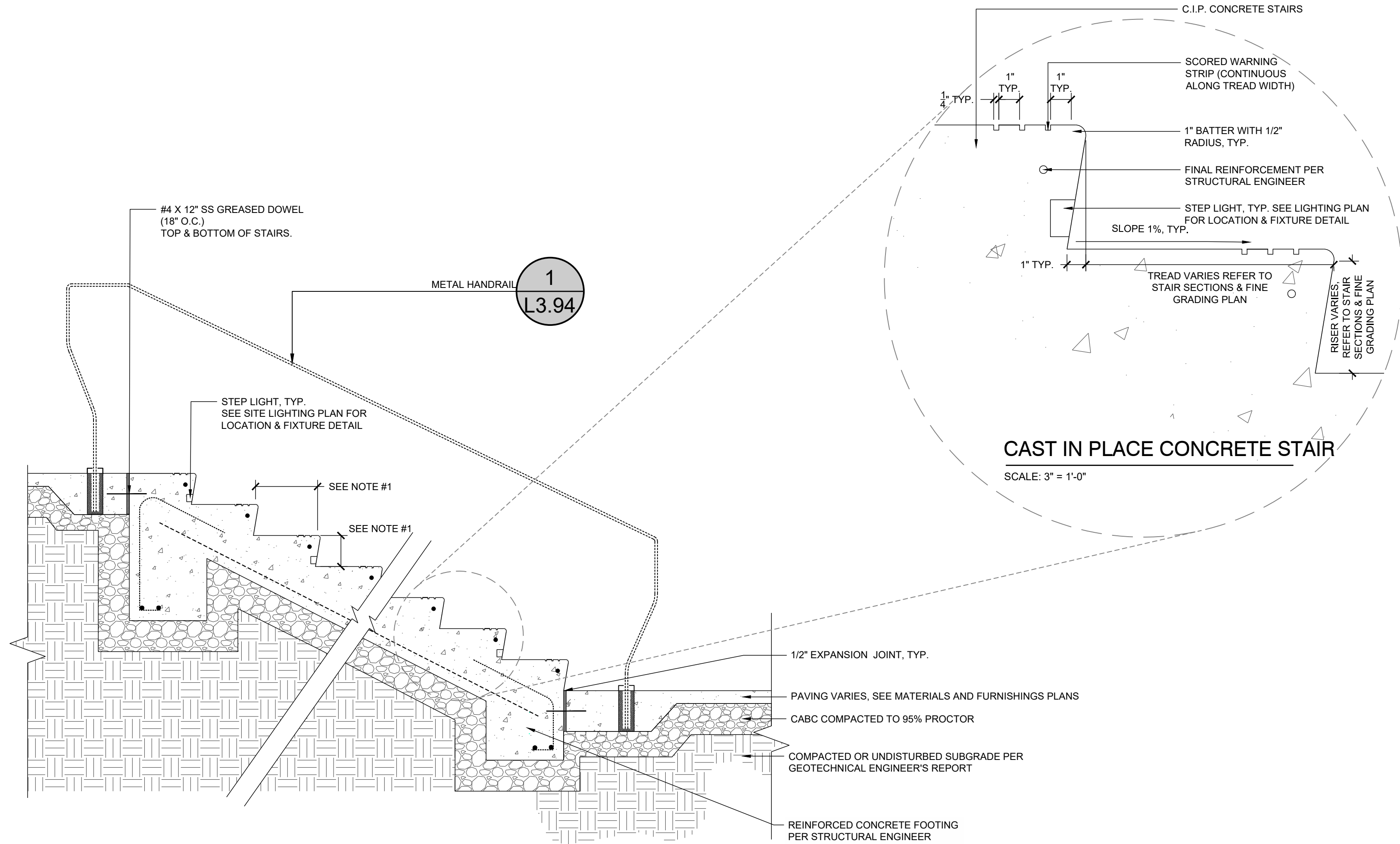


1 METAL HANDRAIL
 3/4" = 1'-0"

NOTE:
 - SEE CIVIL DRAWING FOR RETAINING WALL STAIRS & FINISH GRADE



3 STAIR WITH RAILINGS - CROSS SECTION
 1/2" = 1'-0"



- NOTES:
 1. RISER AND TREAD QUANTITIES VARY. REFER TO M&F SCHEDULE AND FINE GRADING PLAN.

2 CAST IN PLACE CONCRETE STAIR
 3/4" = 1'-0"

#	DATE	DESCRIPTION
1	26-OCT-23	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
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REVISIONS:

SITE DETAILS

PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
 Town of Rolesville Project No. SDP 23-05 & CID 23-01
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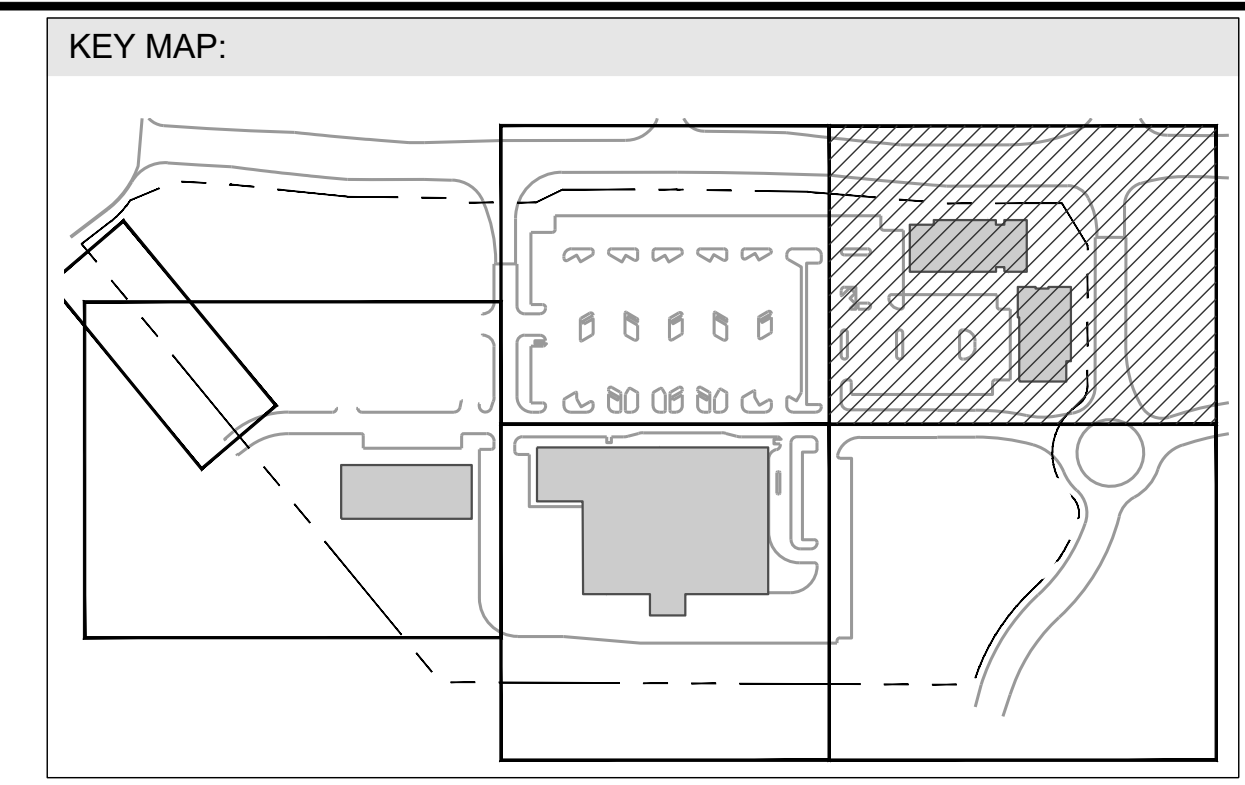
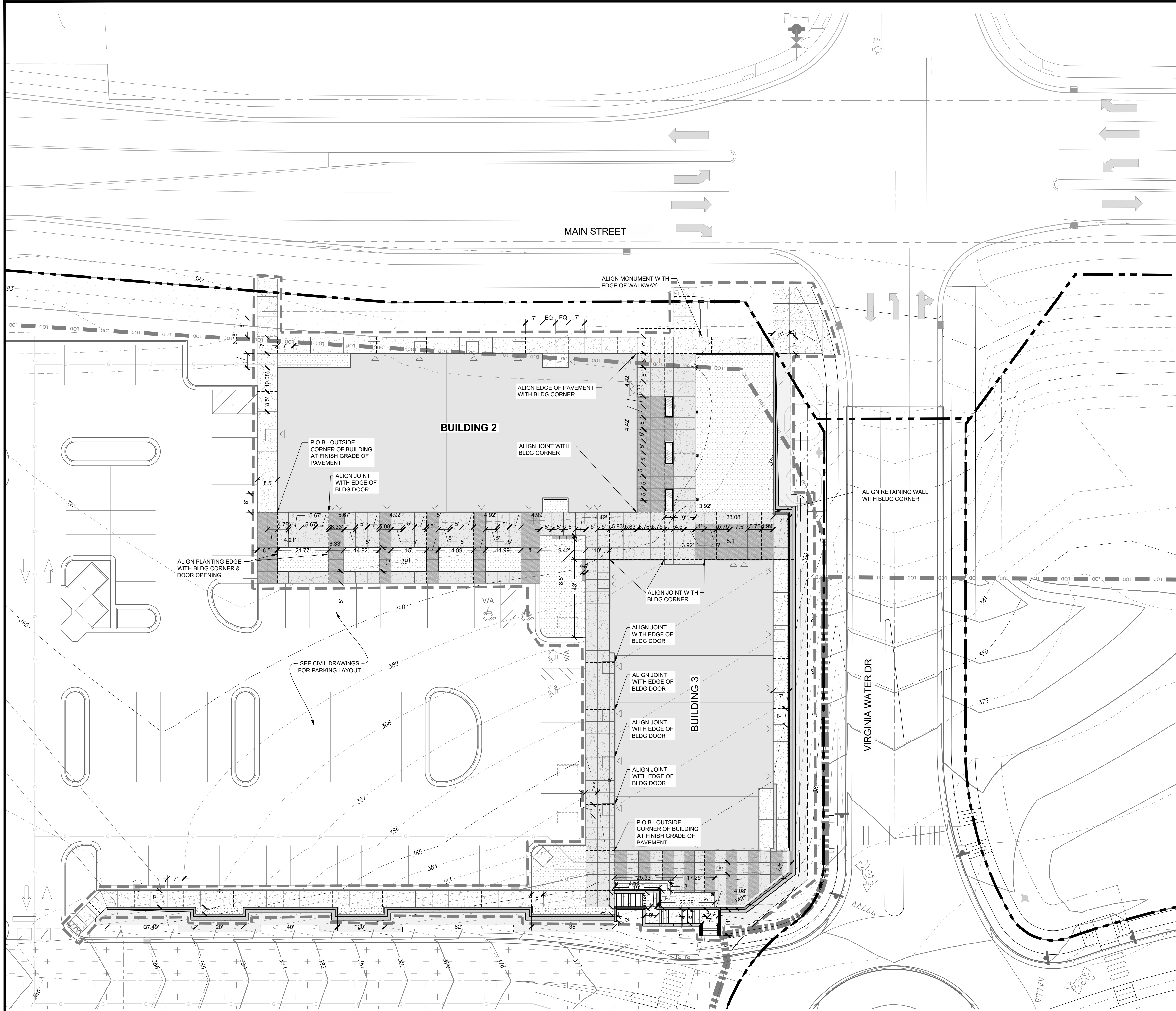
Project Manager: _____
 Drawn By: _____
 Checked By: _____
 Project Number: _____
 Drawing Number: _____
 Date: October 26, 2023

L3.94

SDP

223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603 T 919.380.8750

FIRM LICENSE #: C-1051 www.stewartinc.com PROJECT #: L22007



- SITE LEGEND**
- PROPERTY LINE / ROW LINE
 - SETBACK LINE
 - LIMIT OF WORK (HARDSCAPE)
 - PROPOSED CONCRETE PAVEMENT
 - PROPOSED COLORED CONCRETE PAVEMENT 1
 - PROPOSED COLORED CONCRETE PAVEMENT 2
 - PROPOSED PLANTING AREA
 - PROPOSED DECORATIVE GRAVEL
 - BUILDING FOOTPRINT
 - EXPANSION JOINT
 - CONTROL JOINT

NOTES:
 1. ALIGN SCORE JOINTS AS DEPICTED IN THE PLAN IF DIMENSIONS IS NOT PROVIDED, CONTACT LA IF DISCREPANCY IN DIMENSIONS IS FOUND
 2. CONTRACTOR TO START ART POINT IF BEARING (P.O.B.)

REVISIONS:

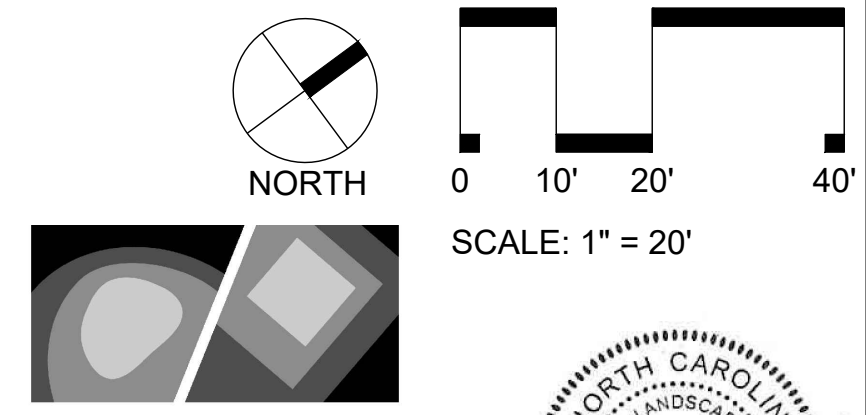
#	DATE	DESCRIPTION
1	12/02/23	SDP-23-05 / CID-23-01 COMBINED PERMIT REVIEW
2	11/02/23	ISSUED FOR CONSTRUCTION



LAYOUT PLAN NE
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
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10/26/2023



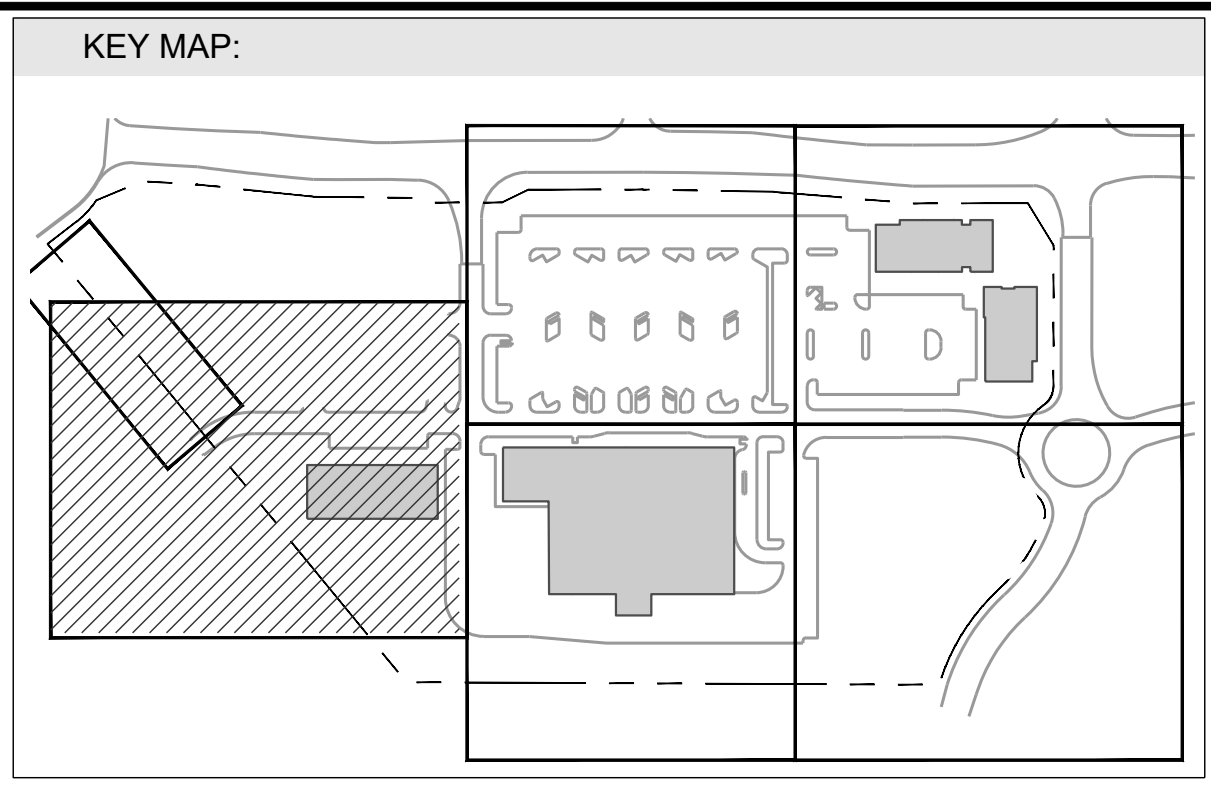
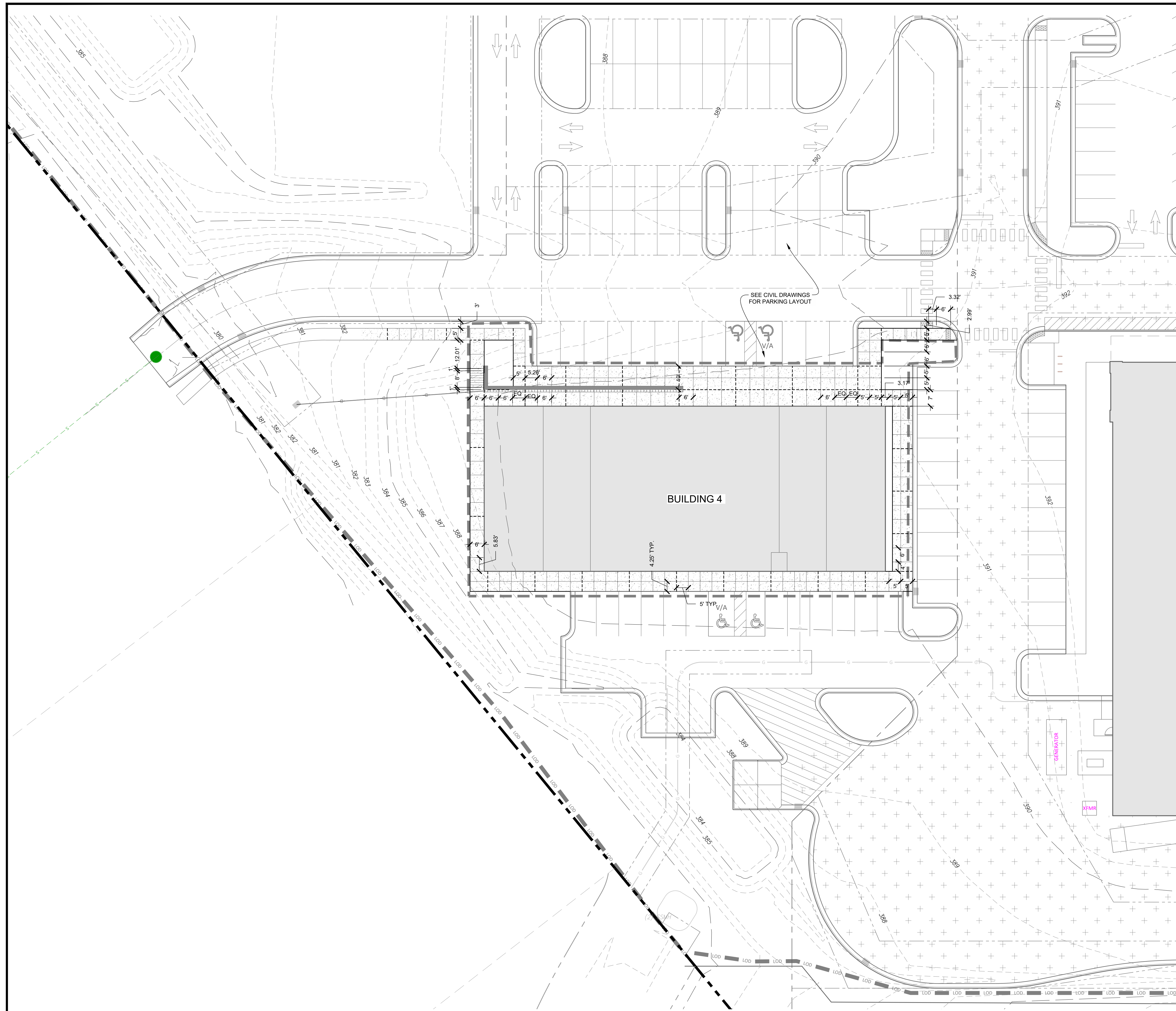
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 SUITE 1100
 RALEIGH, NC 27603
 T 919.380.8750

FIRM LICENSE #:
 C-1051
 www.stewartinc.com
 PROJECT #: L22007

STEPHEN M. STEBBINS
 2054
 10/26/2023

Project Manager:
 Drawn By:
 Checked By:
 Project Number:
 Drawing Number:
 Date: October 26, 2023

L4.11
 SDP



- SITE LEGEND**
- PROPERTY LINE / ROW LINE
 - SETBACK LINE
 - LIMIT OF WORK (HARDSCAPE)
 - PROPOSED CONCRETE PAVEMENT
 - PROPOSED COLORED CONCRETE PAVEMENT 1
 - PROPOSED COLORED CONCRETE PAVEMENT 2
 - PROPOSED PLANTING AREA
 - PROPOSED DECORATIVE GRAVEL
 - BUILDING FOOTPRINT
 - EXPANSION JOINT
 - CONTROL JOINT

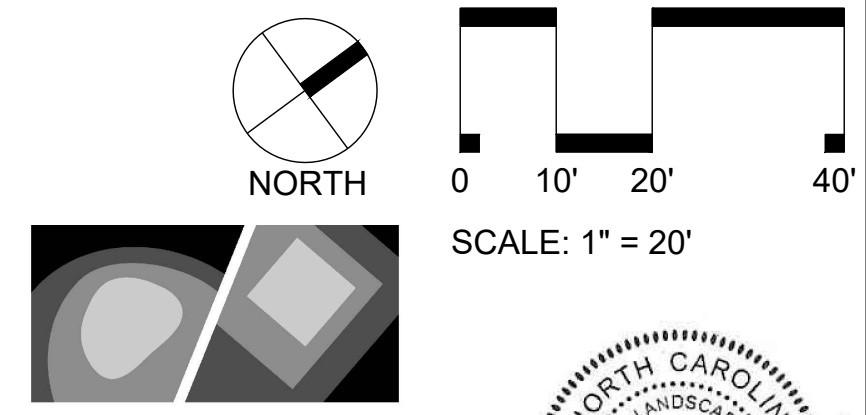
REVISIONS:

#	DATE	DESCRIPTION
1	26 OCT 23	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
2	14 NOV 23	ISSUED FOR CONSTRUCTION



LAYOUT PLAN BLDG 4
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
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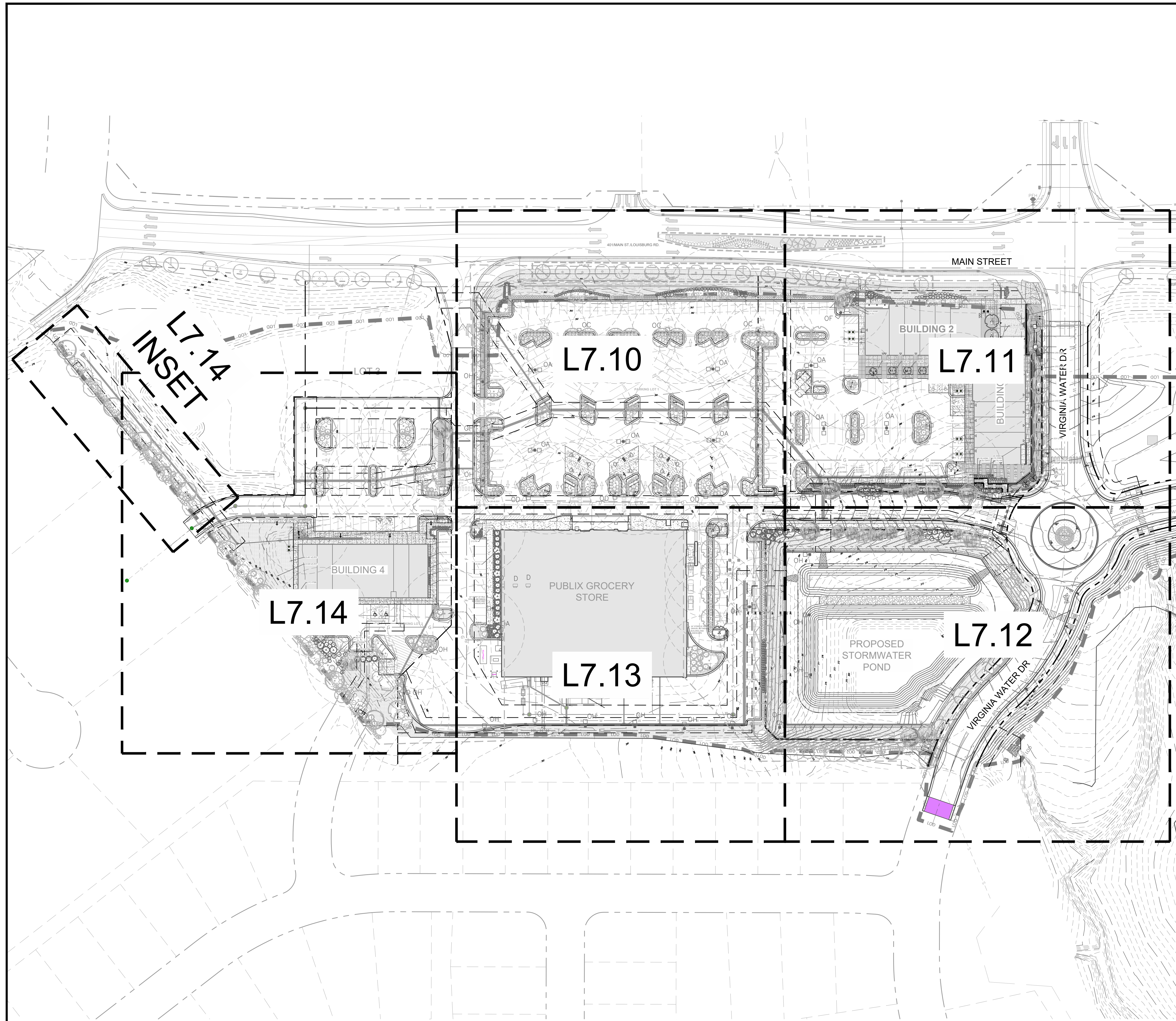
FIRM LICENSE # C-1051
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 PROJECT # L22007

10/26/2023

NORTH CAROLINA
 LANDSCAPE ARCHITECT
 2054
 STEPHEN M. STEBBINS
 10/26/2023

Project Manager: _____
 Drawn By: _____
 Checked By: _____
 Project Number: _____
 Drawing Number: _____
 Date: October 26, 2023

L4.14
 SDP



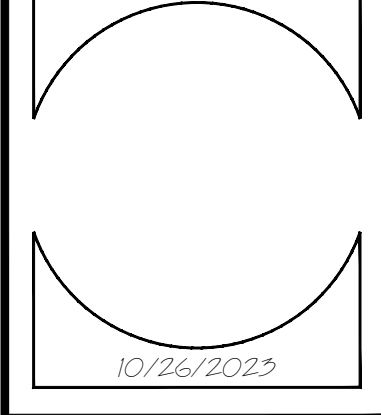
#	DATE	DESCRIPTION
1	1/26/OCT/23	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
2	14/NOV/23	ISSUED FOR CONSTRUCTION

REVISIONS:



OVERALL PLANTING PLAN
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
 Town of Rolesville Project No. SDP 23-05 & CID 23-01
 S Main St. / US 401 and Virginia Water Drive
 Rolesville, Wake County, North Carolina

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Project Manager:	
Drawn By:	
Checked By:	
Project Number:	
Drawing Number:	
Date:	October 26, 2023

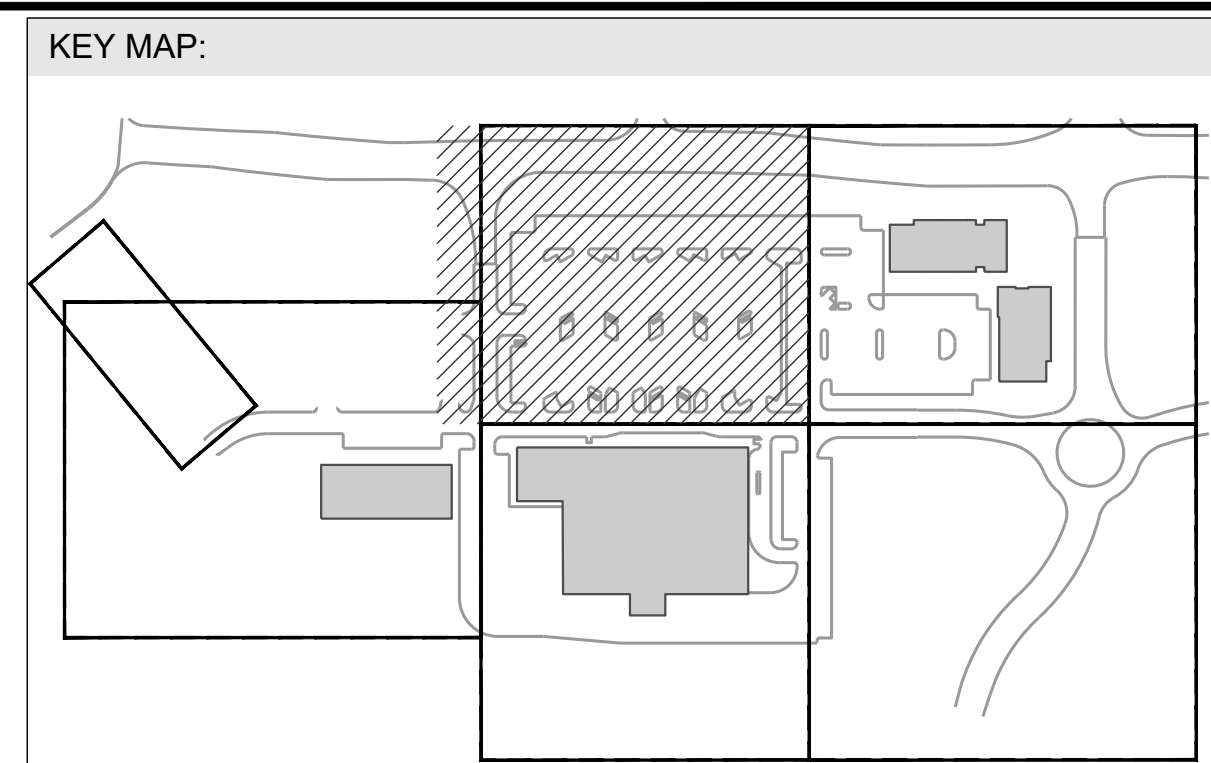
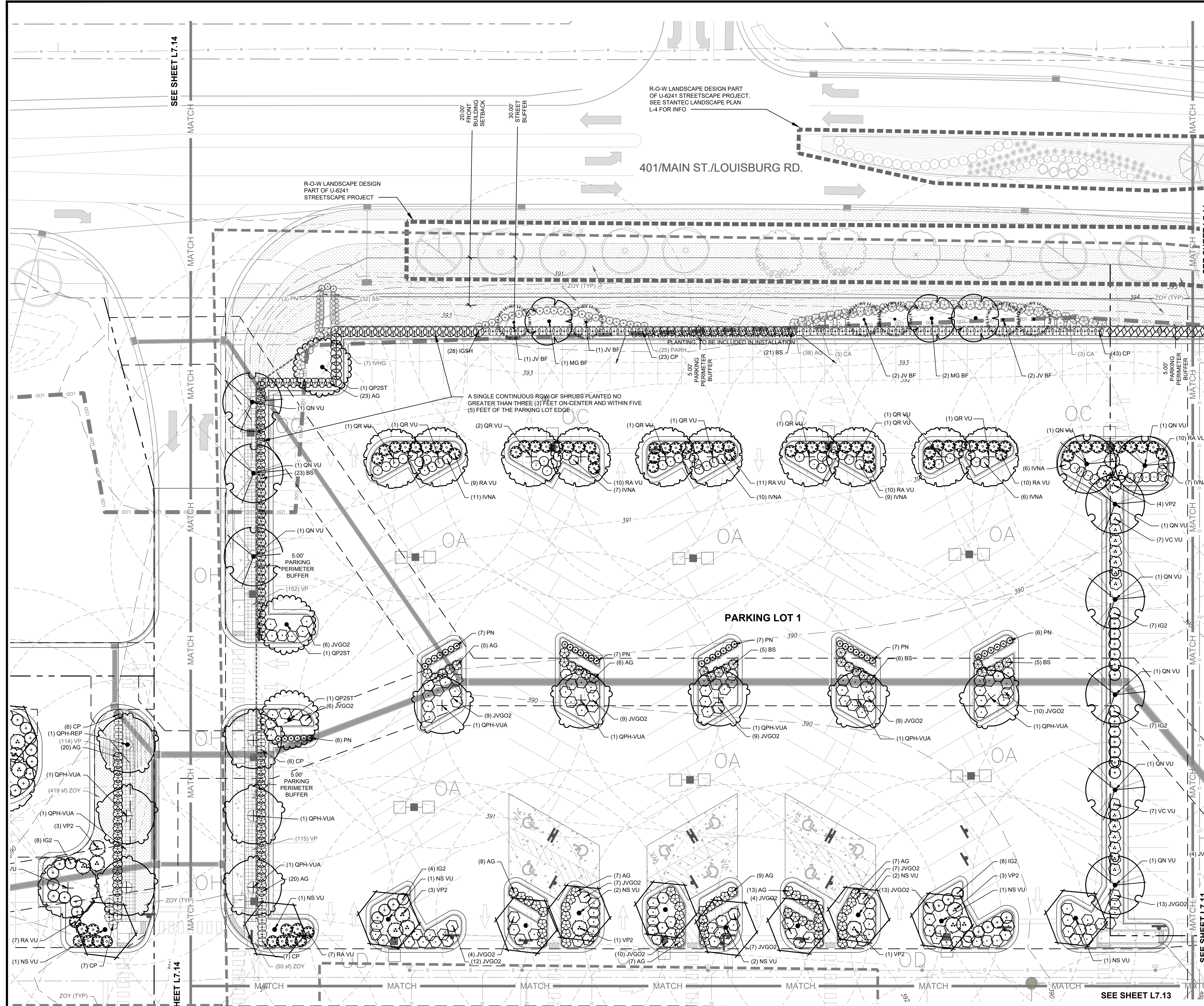
L7.00
SDP

STEWART
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NORTH

0 30' 60' 120'

SCALE: 1" = 60'



LANDSCAPE LEGEND

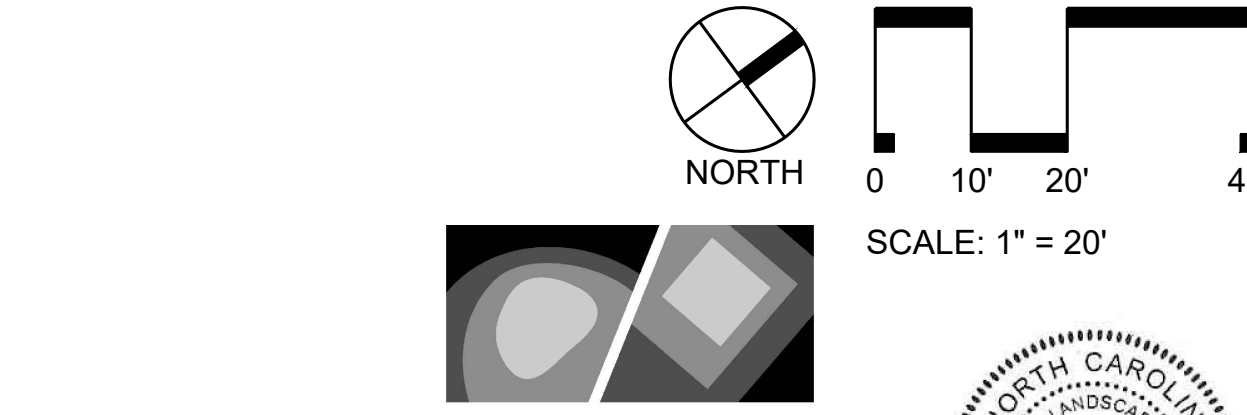
- PROPERTY LINE / ROW LINE
- SETBACK LINE
- LIMIT OF WORK (LANDSCAPE)
- 30' WIDE STREET BUFFER
- 10' WIDE TYPE 1 BUFFER
- 15' WIDE TYPE 2 BUFFER
- 5' WIDE PARKING PERIMETER BUFFER
- U6241 PROJECT PLANTING DESIGN SCOPE
- TREE PROTECTION FENCE
- EXISTING VEGETATION

PLANT SCHEDULE L7.10

PERIMETER BUFFER TREES	CODE	QTY	BOTANICAL / COMMON NAME
	MG BF	3	MAGNOLIA GRANDIFLORA SOUTHERN MAGNOLIA
	JV BF	8	JUNIPERUS VIRGINIANA EASTERN REDCEDAR
	QP2ST	3	QUERCUS PALUSTRIS PIN OAK
	QN VU	10	QUERCUS NUTTALLII NUTTALL OAK
	QPH-VUA	8	QUERCUS PHELLOS WILLOW OAK
	QR VU	10	QUERCUS RUBRA RED OAK
	CA	6	CALLICARPA AMERICANA AMERICAN BEAUTYBERRY
	CP	7	CALLICARPA X NICKX TM PEARL GLAM BEAUTYBERRY
	IVHG	7	ITEA VIRGINICA 'HENRY'S GARNET' HENRY'S GARNET SWEETSPIRE
	RA VU	67	RHUS AROMATICA 'TROY LOW' GRO-LOW FRAGRANT SUMAC
	AG	143	ABELIA X GRANDIFLORA GLOSSY ABELIA
	BS	60	BUXUS SEMPERVIRENS COMMON BOXWOOD
	IG2	26	ILEX GLABRA INKBERRY HOLLY
	VNA	56	ILEX VOMITORIA 'NANA' DWARF 'YAUJON' HOLLY
	JVG02	135	JUNIPERUS VIRGINIANA 'GREY OWL' GREY OWL EASTERN REDCEDAR
	VC VU	14	VIBURNUM TINUS 'COMPACTUM' COMPACT LAURUSTINUS
	VP2	12	VIBURNUM X PRAGENSE PRAGUE VIBURNUM
	PN	43	PANICUM VIRGATUM 'NORTHWIND' NORTHWIND SWITCH GRASS
	PARH	25	Pennisetum alopecuroides 'RED HEAD' RED HEAD FOUNTAIN GRASS
	SS	32	SCHIZACHYRIUM SCOPARIUM LITTLE BLUESTEM
	IGSH	28	ILEX GLABRA 'SHAMROCK' SHAMROCK INKBERRY HOLLY
	JVGO	15	JUNIPERUS VIRGINIANA 'GREY OWL' GREY OWL EASTERN REDCEDAR
	ZOY	17.467 SF	ZOYSIAGRASS SEED
	VP	267	VERBENA CANADENSIS 'HOMESTEAD PURPLE' HOMESTEAD PURPLE VERBENA

NOTE:

1. GRAYED BACK PLANTING WITH LABELS DENOTE ENHANCED PLANTING AND ARE TO BE INCLUDED IN THE OVERALL PLANTING DESIGN.
2. THE PLANTING SCHEDULE DOES NOT INCLUDE THE STREET TREES ON MAIN ST WHICH IS PART OF THE U-6241 STREETSCAPE PROJECT, SEE STANTEC LANDSCAPE PLAN L-4 FOR STREET TREE SPECIES. A TOTAL OF 26 TREES SHALL BE PROVIDED ALONG MAIN ST. - 16 TREES FROM STANTEC AND 9 FROM THIS PROJECT.
3. LANDSCAPING WILL BE COMPLIANT WITH LDO SECTION 6.2.4.4. IN THE PARKING LOT ISLANDS.
4. SEE SOIL DETAILS AND LANDSCAPE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING SOIL AMENDMENTS, SOIL DEPTHS, SOIL TYPES AND ADDITIONAL INFORMATION.



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ENHANCED PLANTING PLAN
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
 Town of Rolesville Project No. SDP 23-05 & CID 23-01
 Rolesville, Wake County, North Carolina
 S Main St. / US 401 and Virginia Water Drive

10/26/2023

Project Manager: _____
 Drawn By: _____
 Checked By: _____
 Project Number: _____
 Drawing Number: _____
 Date: October 26, 2023

L7.10
SDP

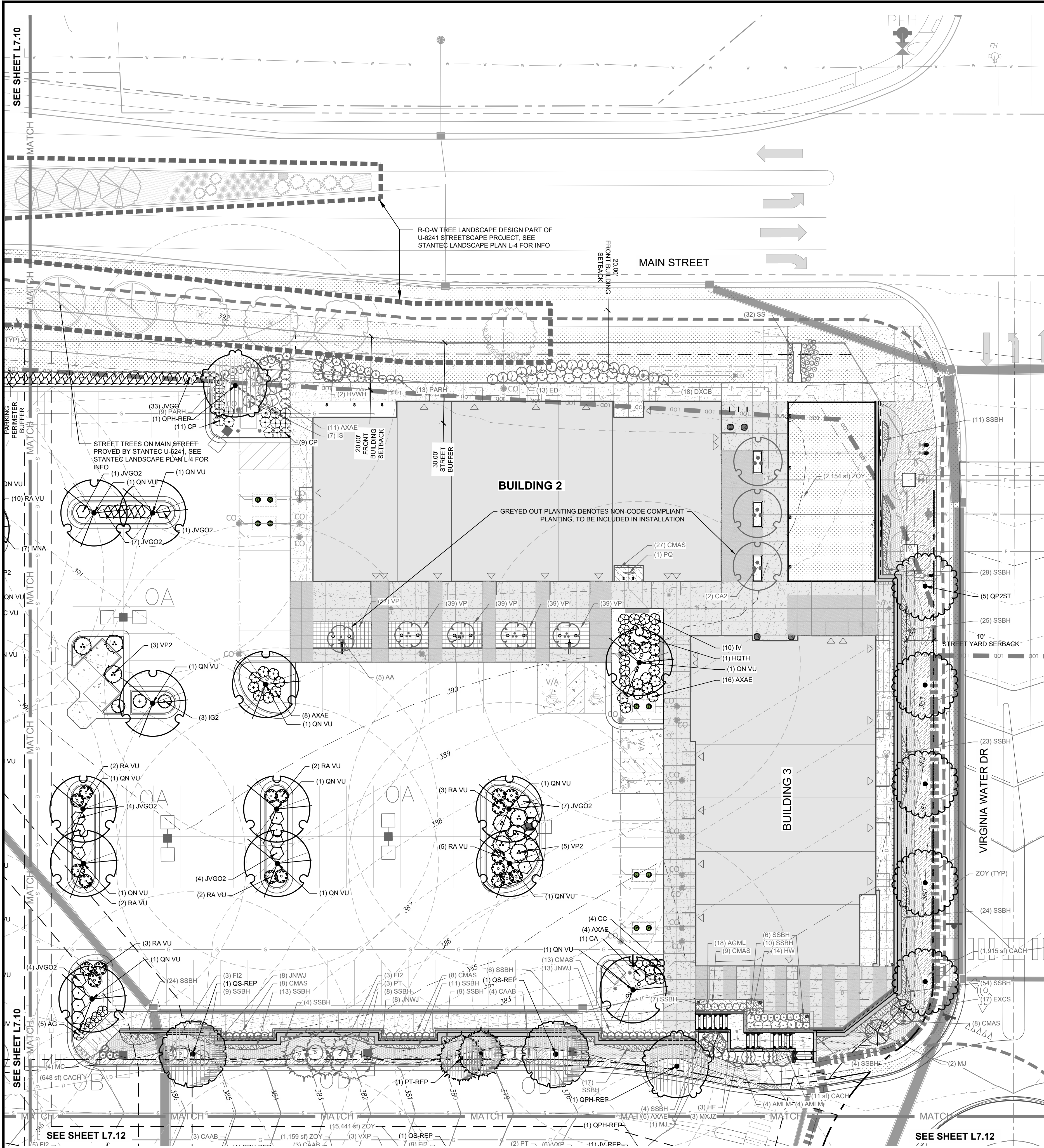
REVISIONS:

#	DATE	DESCRIPTION
1	12-02-23	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
2	11-02-23	ISSUED FOR CONSTRUCTION

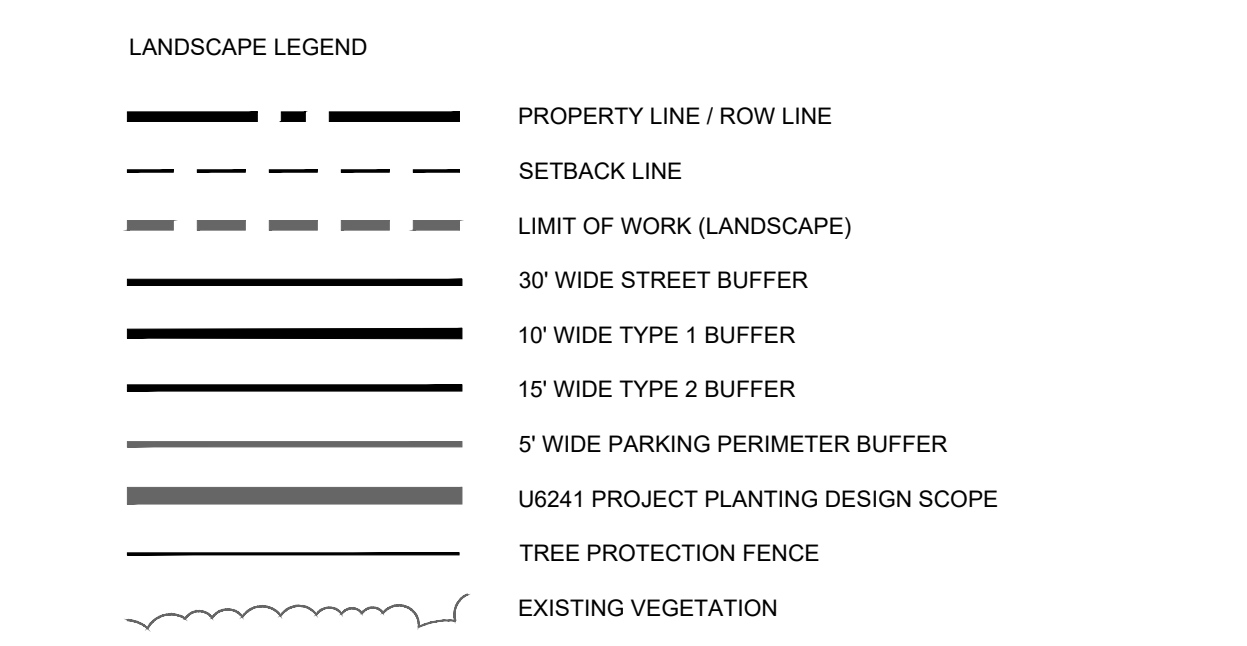
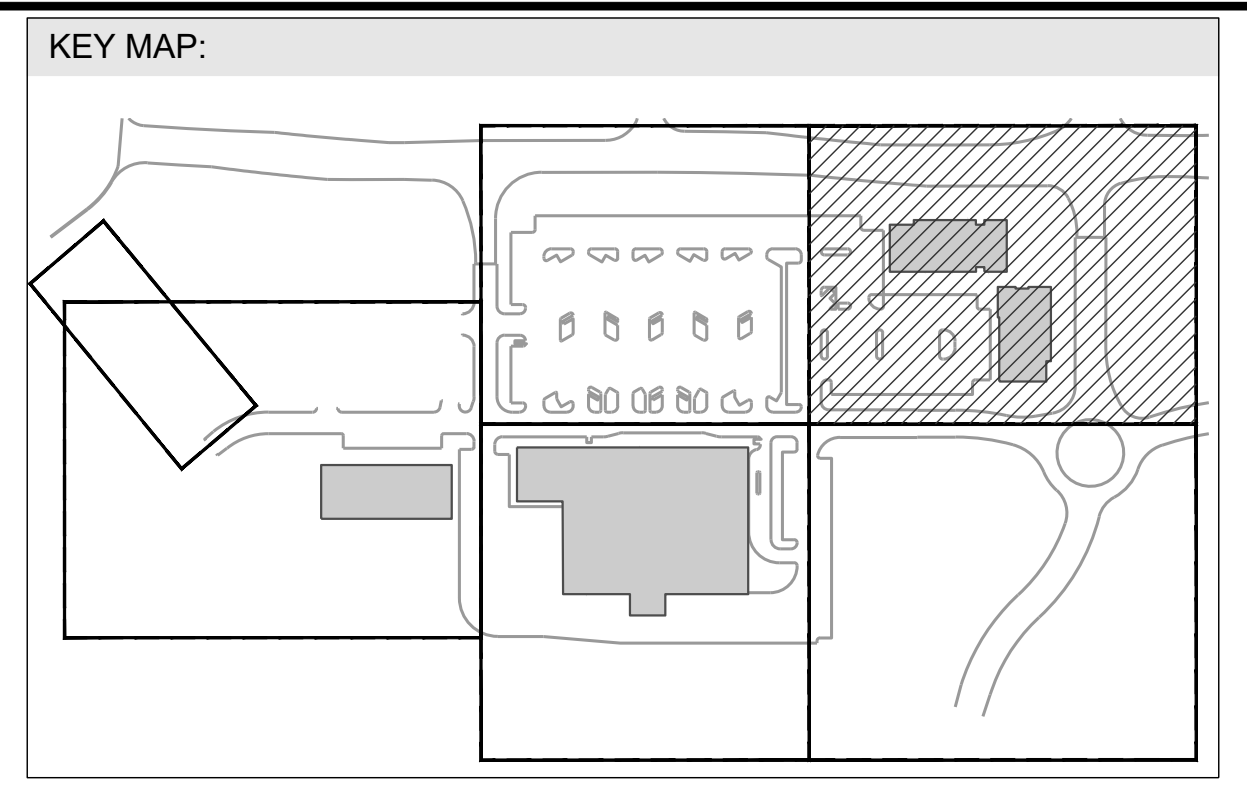
CROSLAND SOUTHEAST

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SEAL
 NORTH CAROLINA LANDSCAPE ARCHITECT
 2024
 STEWART



PLANT SCHEDULE L7.11		
CODE	QTY	BOTANICAL / COMMON NAME
EVERGREEN TREES		
PT	3	PINUS TAEDA LOBLOLLY PINE
REPLACEMENT CANOPY TREE		
QPH-REP	2	QUERCUS PHELLOS WILLOW OAK
QS-REP	2	QUERCUS SHUMARDII SHUMARD OAK
REPLACEMENT EVERGREEN TREE		
PT-REP	2	PINUS TAEDA LOBLOLLY PINE
STREETSCAPE BUFFER TREES		
QP2ST	5	QUERCUS PALUSTRIS PIN OAK
UNDERSTORY TREES		
AA	5	AMELANCHIER ARBOREA DOWNY SERVICEBERRY
CA2	3	CARPINUS CAROLINIANA AMERICAN HORNBREAM
HWH	2	HAMMELIS VIRGINIANA COMMON WITCH HAZEL
MJ	3	MAGNOLIA X 'JANE' JANE MAGNOLIA
MXJZ	3	MAGNOLIA X 'JUDY ZUK' JUDY ZUK MAGNOLIA
VUA TREES		
QN VU	13	QUERCUS MULLALI NUTTALL OAK
DECIDUOUS SHRUBS		
CAAB	4	CALLICARPA AMERICANA AMERICAN BEAUTYBERRY
CA	1	CALLICARPA AMERICANA AMERICAN BEAUTYBERRY
CP	20	CALLICARPA X 'NOCKY' TM PEARL GLAM BEAUTYBERRY
CC	4	CARYOPTERIS X CLANDONENSIS BLUEBEARD
FZ	6	FORSYTHIA X INTERMEDIA BORDER FORSYTHIA
HF	3	HYDRANGEA PANICULATA 'SMIRPFL' FIRE LIGHT PANICLE HYDRANGEA
HW	14	HYDRANGEA QUERCIFOLIA 'PEE WEE' PEE WEE OAKLEAF HYDRANGEA
HQTH	1	HYDRANGEA QUERCIFOLIA 'TURKEY HEAVEN' TURKEY HEAVEN OAKLEAF HYDRANGEA
IV	10	ITEA VIRGINICA 'HENRY'S GARNET' HENRY'S GARNET SWEETSPICE
JNWJ	29	JASMINUM NUDIFLORUM WINTER JASMINE
RA VU	19	RHUS ARCADICA 'GRO LOW' GRO LOW FRAGRANT SUMAC
EVERGREEN SHRUBS		
AG	5	ABELIA X GRANDIFLORA GLOSSY ABELIA
AGML	18	ABELIA X GRANDIFLORA 'HOPLEYS' MISS LEMON™ GLOSSY ABELIA
AXAE	45	AZALEA X 'CONLEB' AUTUMN EMBERS® ENCORE® AZALEA
DXCB	18	DISTYLIUM X 'BLDY02' CAST IN BRONZE™ DISTYLIUM
IG2	3	LEX GLABRA 'INKBERRY' HOLLY
IS	7	LEX GLABRA 'SHAMROCK' SHAMROCK INKBERRY HOLLY
JVGOZ	28	JUNIPERUS VIRGINIANA 'GREY OWL' GREY OWL EASTERN REDCEDAR
VP2	8	VIBURNUM X PRAGENSE PRAGUE VIBURNUM
GRASSES		
MC	4	MUHLENBERGIA CAPILLARIS PINK MILLY GRASS
PARH	22	PENNISETUM ALOPECUROIDES 'RED HEAD' RED HEAD FOUNTAIN GRASS
SS	32	SCHIZACHYRIUM SCOPARIUM LITTLE BLUESTEM
PERENNIALS		
ED	13	EUTROCHUM DUBIUM JOE PEE WEE
PERIMETER BUFFER SHRUBS		
JVGO	18	JUNIPERUS VIRGINIANA 'GREY OWL' GREY OWL EASTERN REDCEDAR
VINES		
PQ	1	PARTHENOCISSUS QUINQUEFOLIA VIRGINA CREEPER
SHRUB AREAS		
SSBH	298	SCHIZACHYRIUM SCOPARIUM 'MINNBLUEA' BLUE HEAVEN™ LITTLE BLUESTEM
GROUND COVERS		
CACH	2,574 SF	CAREX CHEROKEENSIS CHEROKEE SEDGE
ZOY	7,741 SF	ZOYSYAGRASS SEED
PERENNIALS		
AMLM	8	ACHILLEA MILLEFOLIUM LITTLE MOONSHINE PP2817 LITTLE MOONSHINE YARROW
CMAS	73	CENTAUREA MONTANA 'AMETHYST IN SNOW' AMETHYST IN SNOW PERENNIAL CORNFLOWER
EXCS	17	ECHINACEA X 'CHEYENNE SPIRIT' CHEYENNE SPIRIT CONEFLOWER
VP	213	VERBENA CANADENSIS 'HOMESTEAD PURPLE' HOMESTEAD PURPLE VERBENA



NOTE:

- GREYED BACK PLANTING WITH LABELS DENOTE ENHANCED PLANTING AND ARE TO BE INCLUDED IN THE OVERALL PLANTING DESIGN.
- THE PLANTING SCHEDULE DOES NOT INCLUDE THE STREET TREES ON MAIN ST WHICH IS PART OF THE U-6241 STREETSCAPE PROJECT. SEE STANTEC LANDSCAPE PLAN L-4 FOR STREET TREE SPECIES. A TOTAL OF 26 TREES SHALL BE PROVIDED ALONG MAIN ST. - 16 TREES FROM STANTEC AND 9 FROM THIS PROJECT.
- LANDSCAPING WILL BE COMPLIANT WITH LDO SECTION 6.2.4.4. IN THE PARKING LOT ISLANDS.
- SEE SOIL DETAILS AND LANDSCAPE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING SOIL AMENDMENTS, SOIL DEPTHS, SOIL TYPES AND ADDITIONAL INFORMATION.

REVISIONS:

#	DATE	DESCRIPTION
1	12-06-23	ISSUED FOR CONSTRUCTION
2	11-06-23	SDP-23-05 / CID-23-01 COMBINED PERMIT REVIEW

ENHANCED PLANTING PLAN
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
 Town of Rolesville Project No. SDP 23-05 & CID 23-01
 Rolesville, Wake County, North Carolina
 S Main St. / US 401 and Virginia Water Drive

10/26/2023

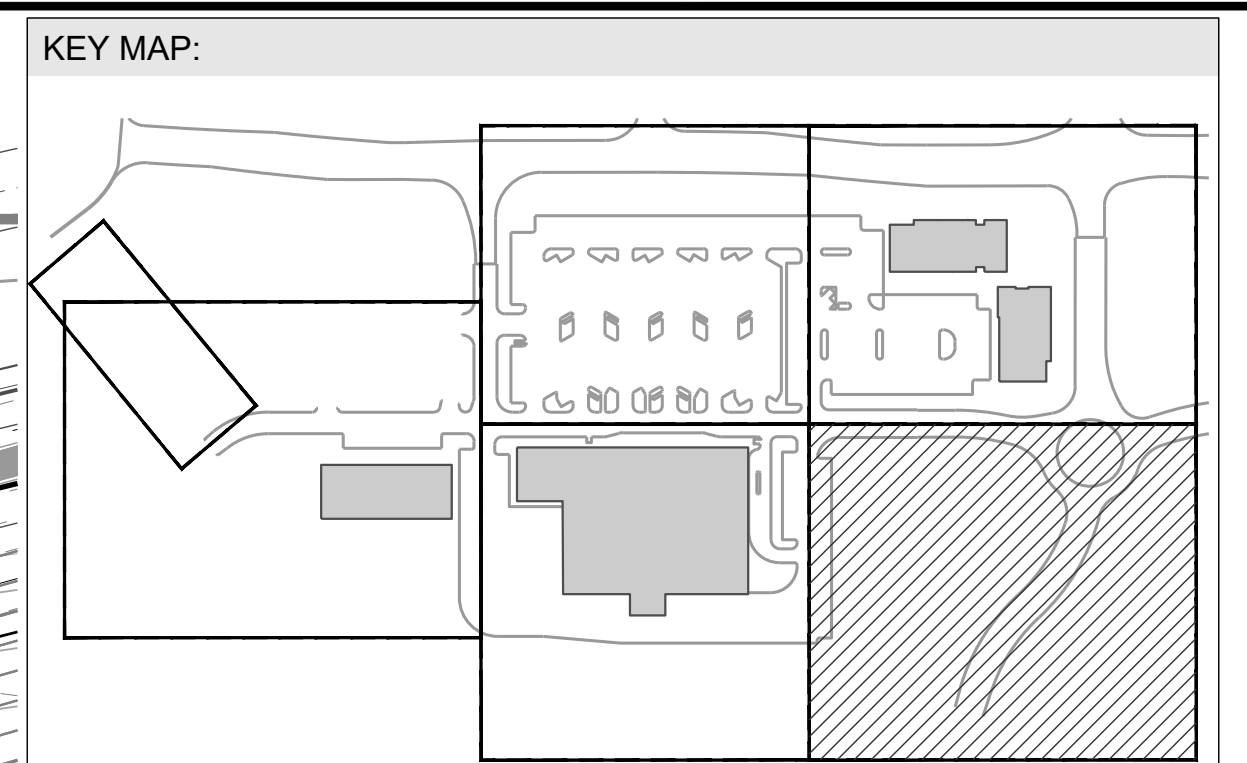
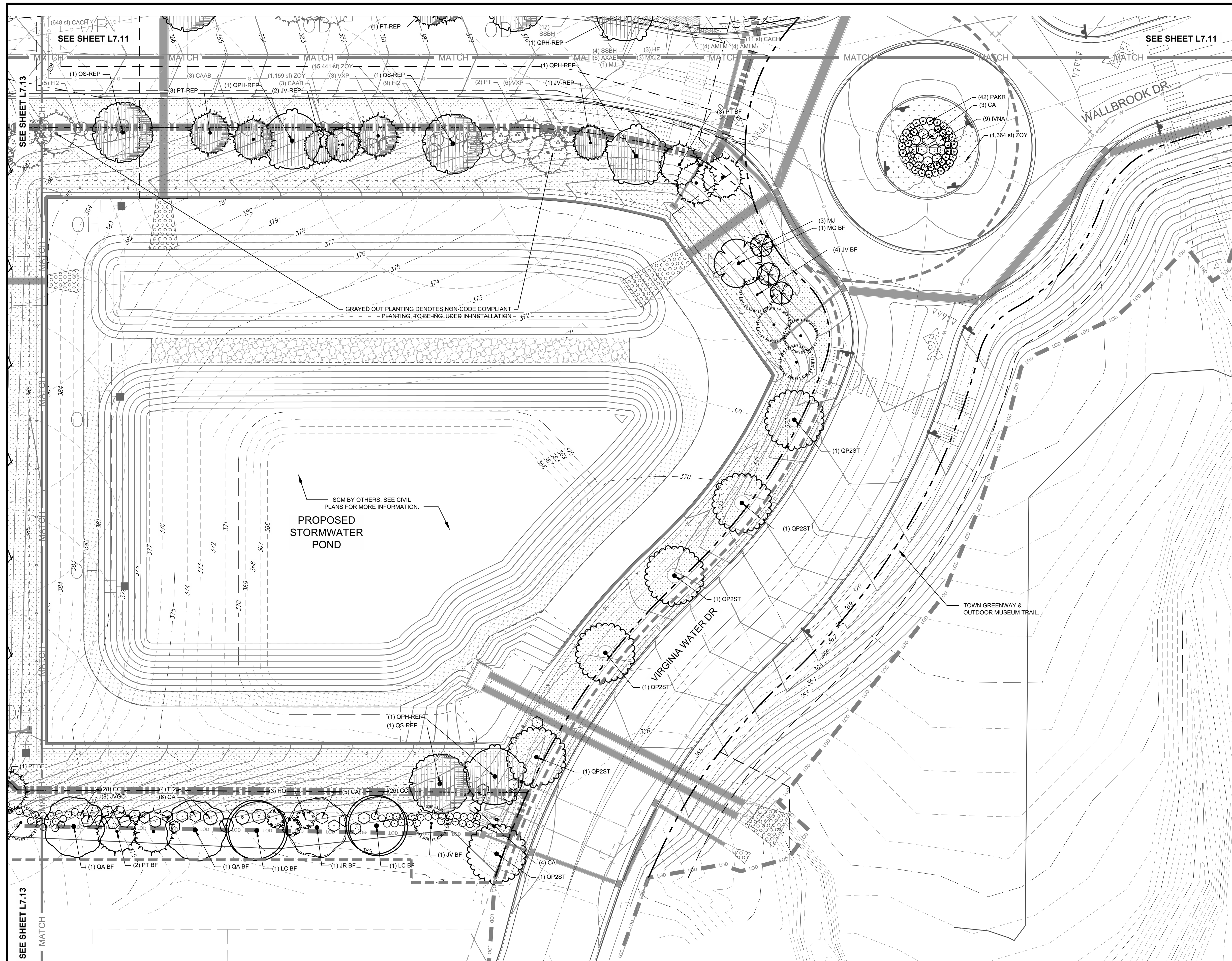
Project Manager:
 Drawn By:
 Checked By:
 Project Number:
 Drawing Number:
 Date: October 26, 2023

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 ENGINEERS & PLANNERS
 2755-B Charles Blvd.
 Raleigh, NC 27603
 (919) 558-0888
 www.arkconsultinggroup.com

NC License: P11159

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 223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603 T 919.380.8750
 FIRM LICENSE #: C-1051 www.stewartinc.com PROJECT #: L22007

L7.11
 SDP



LANDSCAPE LEGEND

	PROPERTY LINE / ROW LINE
	SETBACK LINE
	LIMIT OF WORK (LANDSCAPE)
	30' WIDE STREET BUFFER
	10' WIDE TYPE 1 BUFFER
	15' WIDE TYPE 2 BUFFER
	5' WIDE PARKING PERIMETER BUFFER
	U6241 PROJECT PLANTING DESIGN SCOPE
	TREE PROTECTION FENCE
	EXISTING VEGETATION

PLANT SCHEDULE L7.12

EVERGREEN TREES	CODE	QTY	BOTANICAL / COMMON NAME
	PT	3	PNUS TAEDA LOBLOLLY PINE
PERIMETER BUFFER TREES	CODE	QTY	BOTANICAL / COMMON NAME
	JR BF	1	JUGLANS REGIA ENGLISH WALNUT
	LC BF	2	LIRIODENDRON CHINENSE X TULIPFERA HYBRID TULIP TREE
	MG BF	1	MAGNOLIA GRANDIFLORA SOUTHERN MAGNOLIA
	PT BF	5	PNUS TAEDA LOBLOLLY PINE
	QA BF	2	QUERCUS ALBA WHITE OAK
PERIMETER BUFFER UNDERSTORY	CODE	QTY	BOTANICAL / COMMON NAME
	JV BF	5	JUNIPERUS VIRGINIANA EASTERN REDCEDAR
REPLACEMENT CANOPY TREE	CODE	QTY	BOTANICAL / COMMON NAME
	OPH-REP	3	QUERCUS PHellos WILLOW OAK
	QS-REP	3	QUERCUS SHUMARDII SHUMARD OAK
REPLACEMENT EVERGREE TREE	CODE	QTY	BOTANICAL / COMMON NAME
	JV-REP	3	JUNIPERUS VIRGINIANA EASTERN REDCEDAR
	PT-REP	3	PNUS TAEDA LOBLOLLY PINE
STREETSCAPE BUFFER TREES	CODE	QTY	BOTANICAL / COMMON NAME
	QP2ST	6	QUERCUS PALUSTRIS PIN OAK
UNDERSTORY TREES	CODE	QTY	BOTANICAL / COMMON NAME
	MJ	3	MAGNOLIA X 'JANE' JANE MAGNOLIA
DECIDUOUS SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME
	CAAB	6	CALLICARPA AMERICANA AMERICAN BEAUTYBERRY
	CA	19	CALLICARPA AMERICANA AMERICAN BEAUTYBERRY
	CC	38	CARYOPTERIS X CLANDONENSIS BLUEBEARD
	FI2	18	FORSYTHIA X INTERMEDIA BORDER FORSYTHIA
	HQ	3	HYDRANGEA QUERCIFOLIA OAKLEAF HYDRANGEA
EVERGREEN SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME
	AXAE	1	AZALEA X 'CONLEB' AUTUMN EBBERSSH: ENCORE® AZALEA
	IVNA	9	LEX VOMITORIA 'NANA' DWARF YAU-PON HOLLY
	VXP	10	VIBURNUM X PRAGENSE PRAGUE VIBURNUM
GRASSES	CODE	QTY	BOTANICAL / COMMON NAME
	PAKR	42	PENNISETUM ALOPECUROIDES 'KARLEY ROSE' KARLEY ROSE FOUNTAIN GRASS
PERIMETER BUFFER SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME
	JVGO	8	JUNIPERUS VIRGINIANA 'GREY OWL' GREY OWL EASTERN REDCEDAR
GROUND COVERS	CODE	QTY	BOTANICAL / COMMON NAME
	ZOY	21,969 SF	ZOYSIAGRASS SEED

NOTE:

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NORTH

0 10' 20' 40'

SCALE: 1" = 20'

STEWART
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REVISIONS:

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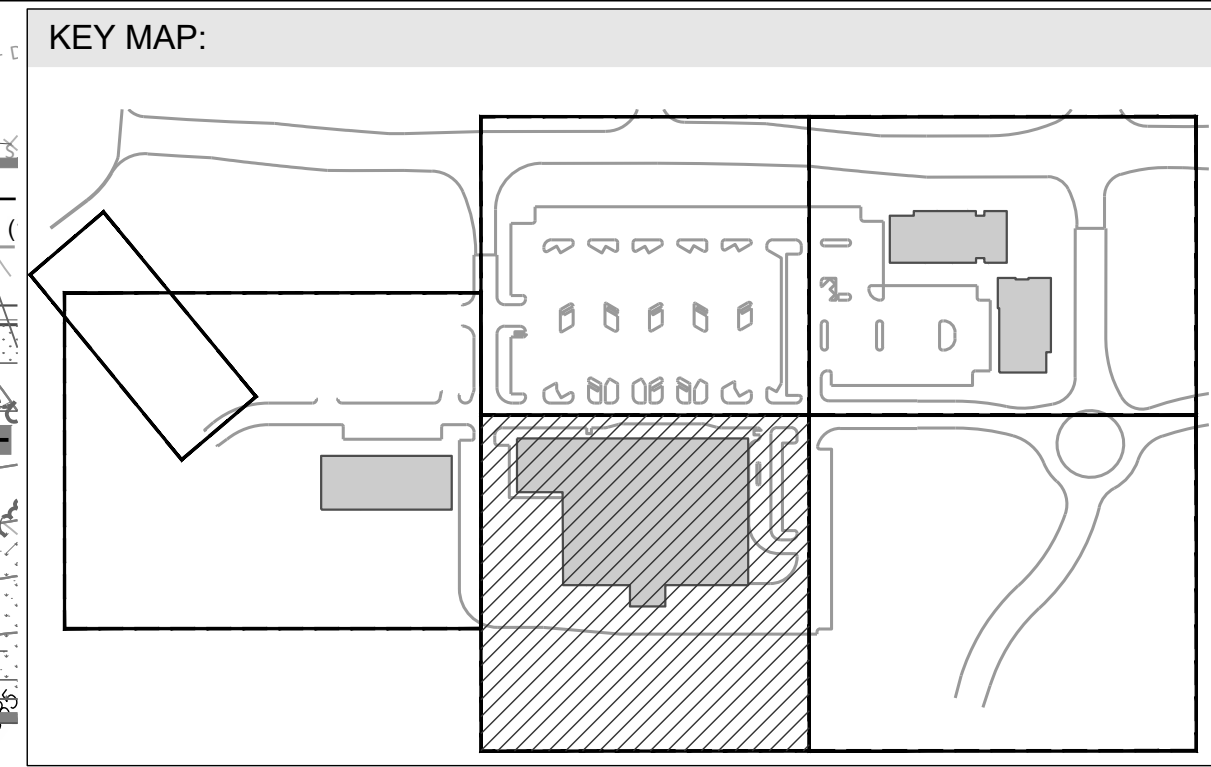
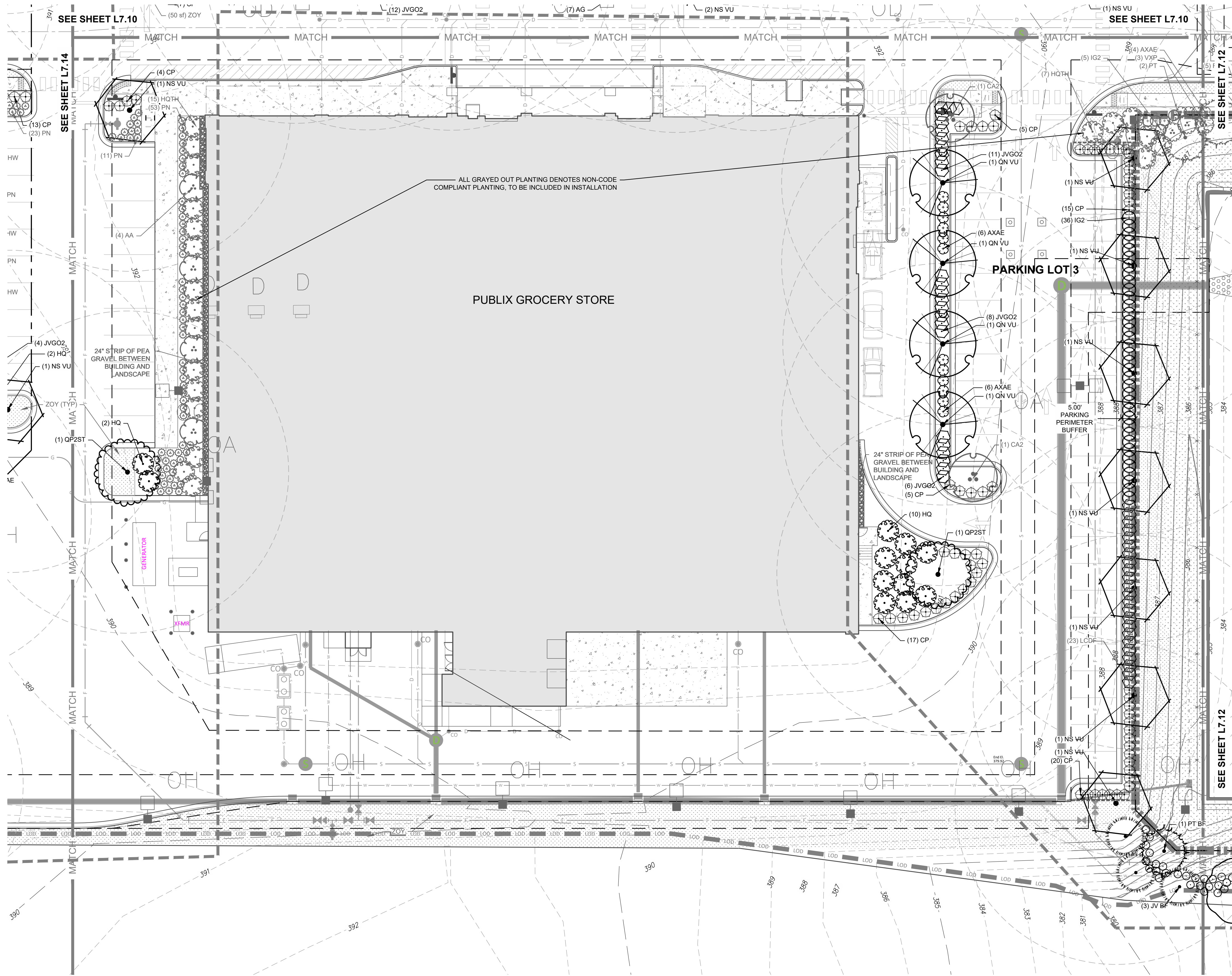
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ENGINEERS & PLANNERS
2755-B Charles Blvd. #1000 RALEIGH, NC 27603 (757) 558-0888 www.arkconsultinggroup.com

10/26/2023

Project Manager: _____
Drawn By: _____
Checked By: _____
Project Number: _____
Drawing Number: _____
Date: October 26, 2023

L7.12
SDP



LANDSCAPE LEGEND

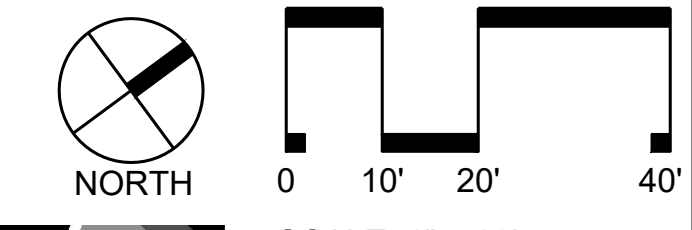
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	5' WIDE PARKING PERIMETER BUFFER
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	TREE PROTECTION FENCE
	EXISTING VEGETATION

PLANT SCHEDULE L7.13

EVERGREEN TREES	CODE	QTY	BOTANICAL / COMMON NAME
	PT	1	PRUNUS TAEDA LOBLOLLY PINE
	PT BF	1	PRUNUS TAEDA LOBLOLLY PINE
	JV BF	3	JUNIPERUS VIRGINIANA EASTERN REDCEDAR
	QP2ST	2	QUERCUS PALUSTRIS PIN OAK
	AA	4	AMELANCHER ARBOREA DOWNY SERVICEBERRY
	CA2	4	CARPINUS CAROLINIANA AMERICAN HORSEBEAM
	NS VU	8	NYSSA SYLVATICA TURPELO
	QN VU	4	QUERCUS NUTTALLII NUTTALL OAK
	CP	66	CALLICARPA X NICKX2™ PEARL GLAM BEAUTYBERRY
	CC	16	CARYOPTERIS X CLANDONENSIS BLUBERRY
	HQ	12	HYDRANGEA QUERCIFOLIA DAKLEAF HYDRANGEA
	HQTH	22	HYDRANGEA QUERCIFOLIA TURKEY HEAVEN™ TURKEY HEAVEN DALEAF HYDRANGEA
	AXAE	15	AZALEA X CONLEB™ AULUM EMBERS® ENCORE® AZALEA
	IG2	41	ILEX GLABRA INKBERRY HOLLY
	JVGO2	25	JUNIPERUS VIRGINIANA 'GREY OWL' GREY OWL EASTERN REDCEDAR
	LCDP	23	LOROPETALUM CHINENSE 'DARK FIRE' DARK FIRE CHINESE FRINGE FLOWER
	VXP	2	VIBURNUM X PRAGENSE PRAGUE VIBURNUM
	PN	64	PANICUM VIRGATUM 'NORTHWIND' NORTHWIND SWITCH GRASS
	JVGO	23	JUNIPERUS VIRGINIANA 'GREY OWL' GREY OWL EASTERN REDCEDAR
	ZOY	10,142 SF	ZOYSIAGRASS SEED

NOTE:

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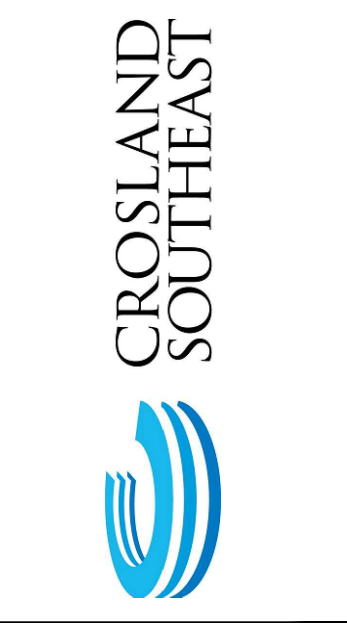


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REVISIONS:

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 www.arkconsultinggroup.com

10/26/2023
 Project Manager:
 Drawn By:
 Checked By:
 Project Number:
 Drawing Number:
 Date: October 26, 2023

L7.13
 SDP

SEE SHEET L7.14

SEE SHEET L7.12

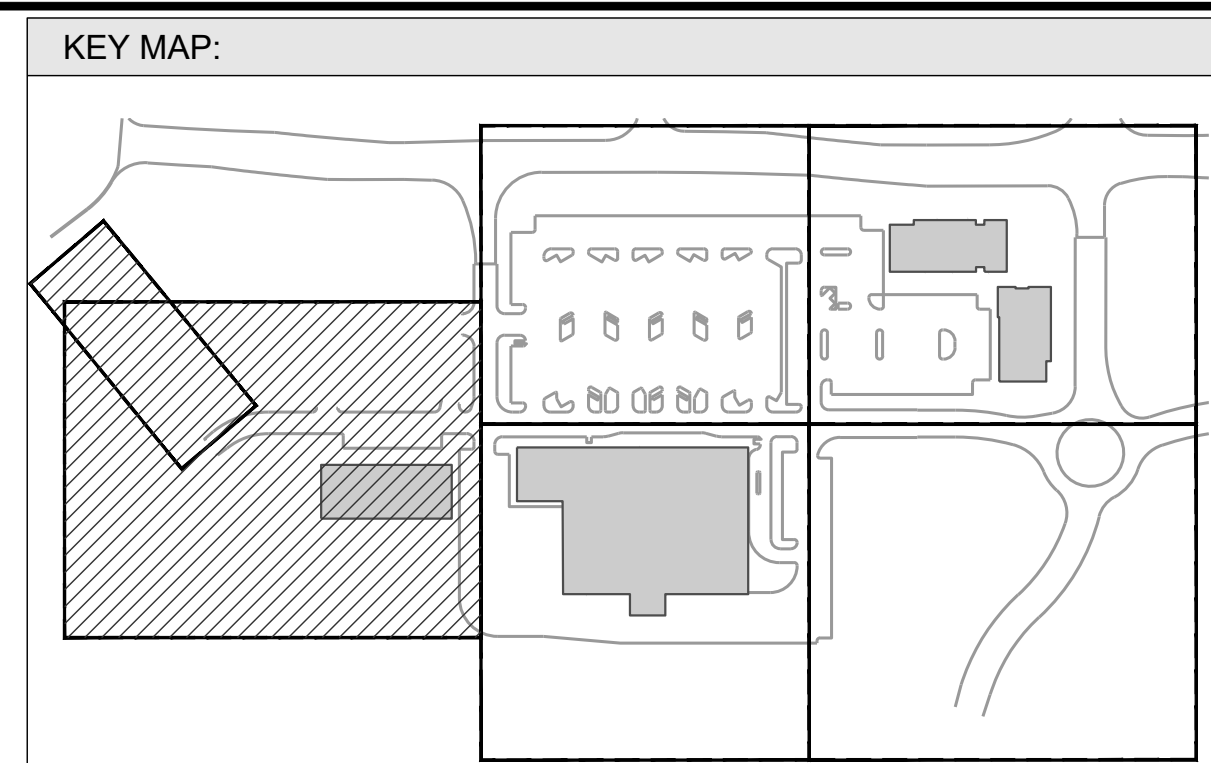
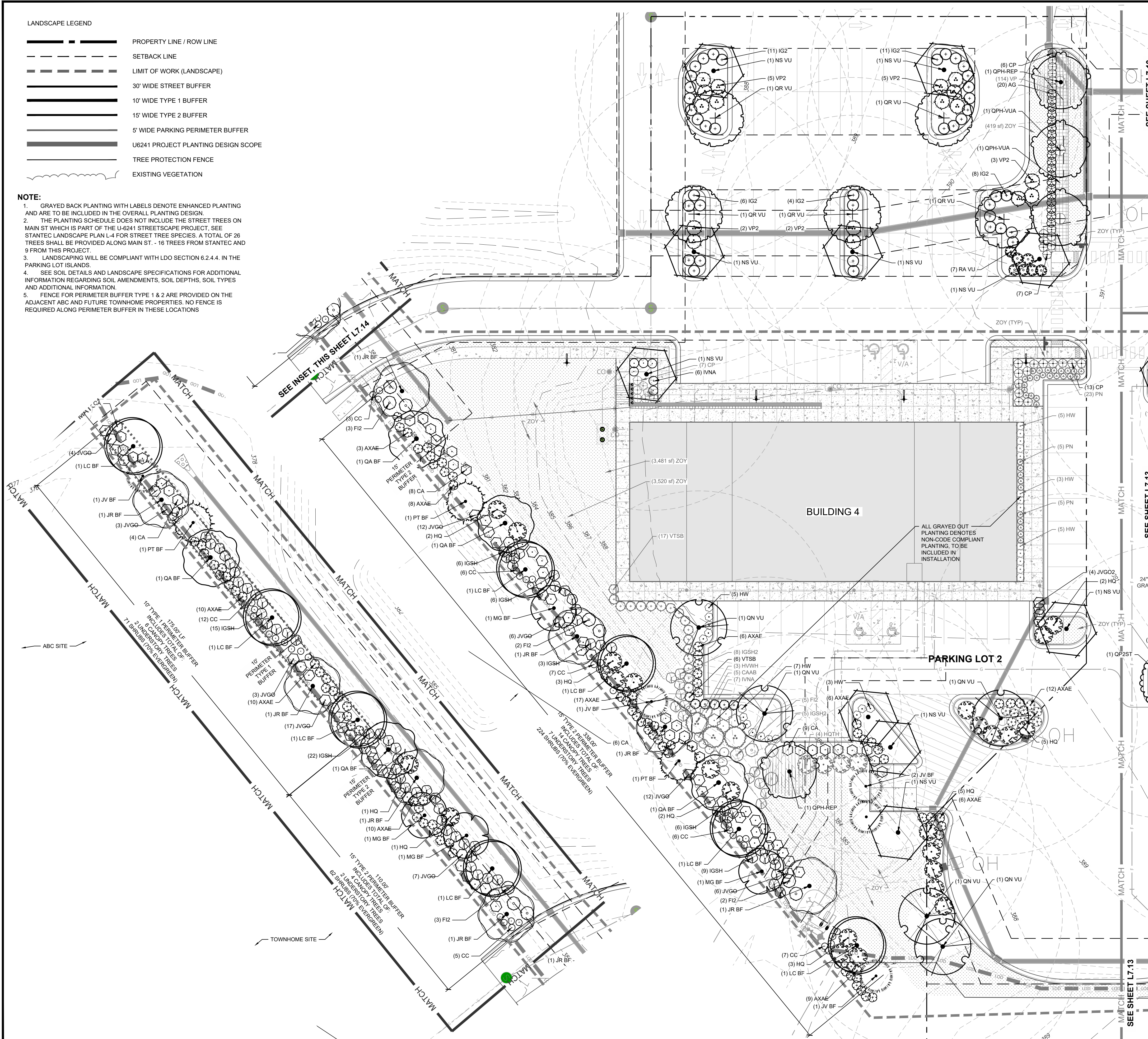
SEE SHEET L7.10

SEE SHEET L7.10

LANDSCAPE LEGEND

	PROPERTY LINE / ROW LINE
	SETBACK LINE
	LIMIT OF WORK (LANDSCAPE)
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 - FENCE FOR PERIMETER BUFFER TYPE 1 & 2 ARE PROVIDED ON THE ADJACENT ABC AND FUTURE TOWNHOME PROPERTIES. NO FENCE IS REQUIRED ALONG PERIMETER BUFFER IN THESE LOCATIONS



PLANT SCHEDULE L 7.14

PERIMETER BUFFER TREES	CODE	QTY	BOTANICAL / COMMON NAME
	JR BF	8	JUGLANS REGIA ENGLISH WALNUT
	LC BF	8	LINDENDORON CHINENSE X TULIPFERA HYBRID TULIP TREE
	MG BF	4	MAGNOLIA GRANDIFLORA SOUTHERN MAGNOLIA
	PT BF	3	PNUS TAEDA LOBLOLLY PINE
	QA BF	5	QUERCUS ALBA WHITE OAK
	JV BF	5	JUNIPERUS VIRGINIANA EASTERN REDCEDAR
	CPH-REP	2	QUERCUS PHELLOS WILLOW OAK
	CPH	2	QUERCUS PHELLOS WILLOW OAK
	HVVH	3	HAMMELIS VIRGINIANA COMMON WITCH HAZEL
	NS VU	10	NYSSA SYLVATICA TUPELO
	QN VU	5	QUERCUS NUTTALLII NUTTALL OAK
	CPH-VUA	2	QUERCUS PHELLOS WILLOW OAK
	QR VU	5	QUERCUS RUBRA RED OAK
	CAAB	5	CALLICARPA AMERICANA AMERICAN BEAUTYBERRY
	CA	32	CALLICARPA AMERICANA AMERICAN BEAUTYBERRY
	CP	33	CALLICARPA X 'NCCX' TM PEARL GLAM BEAUTYBERRY
	CC	46	CARYOPTERIS X CLAUDONENSIS BLUEBERRY
	FIZ	15	FORSYTHIA X INTERMEDIA BORDER FORSYTHIA
	HQ	24	HYDRANGEA QUERCIFOLIA OAKLEAF HYDRANGEA
	HW	28	HYDRANGEA QUERCIFOLIA 'PEE WEE' PEE WEE OAKLEAF HYDRANGEA
	HOTH	4	HYDRANGEA QUERCIFOLIA 'TURKEY HEAVEN' TURKEY HEAVEN OAKLEAF HYDRANGEA
	RA VU	7	RHUS AROMATICA 'GRO-LOW' GRO-LOW FRAGRANT SUMAC
	AG	20	ABELIA X GRANDIFLORA GLOSSY ABELIA
	AXAE	97	AZALEA X 'CONLEP' AUTUMN EMBERS ENCORE® AZALEA
	IG2	40	ILEX GLABRA INKBERRY HOLLY
	IGSH2	13	ILEX GLABRA 'SHAMROCK' SHAMROCK INKBERRY HOLLY
	IVNA	13	ILEX VICTORIA 'NANA' DWARF YALPON HOLLY
	JVGO2	4	JUNIPERUS VIRGINIANA 'GREY OWL' GREY OWL EASTERN REDCEDAR
	VTSB	23	VIBURNUM TINUS 'SPRING BOUQUET' SPRING BOUQUET LAURUSTINUS
	VP2	17	VIBURNUM X PRAGENSE PRAGUE VIBURNUM
	PN	33	PANICUM VIRGATUM 'NORTHWIND' NORTHWIND SWITCH GRASS
	IGSH	67	ILEX GLABRA 'SHAMROCK' SHAMROCK INKBERRY HOLLY
	JVSO	70	JUNIPERUS VIRGINIANA 'GREY OWL' GREY OWL EASTERN REDCEDAR
	ZOY	11,858 SF	ZOYSIAGRASS SEED
	VP	114	VERBENA CANADENSIS 'HOMESTEAD PURPLE' HOMESTEAD PURPLE VERBENA

REVISIONS:

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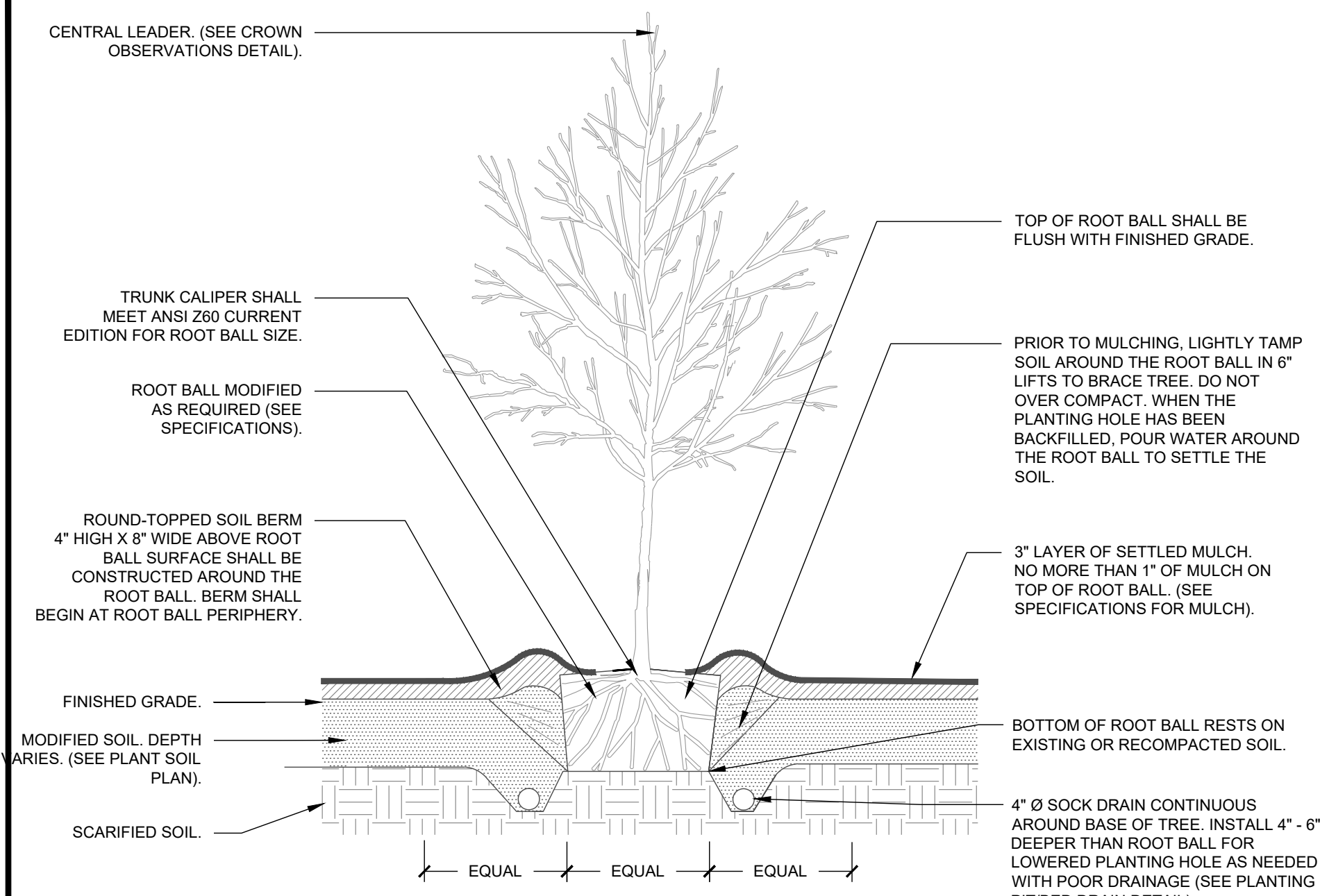
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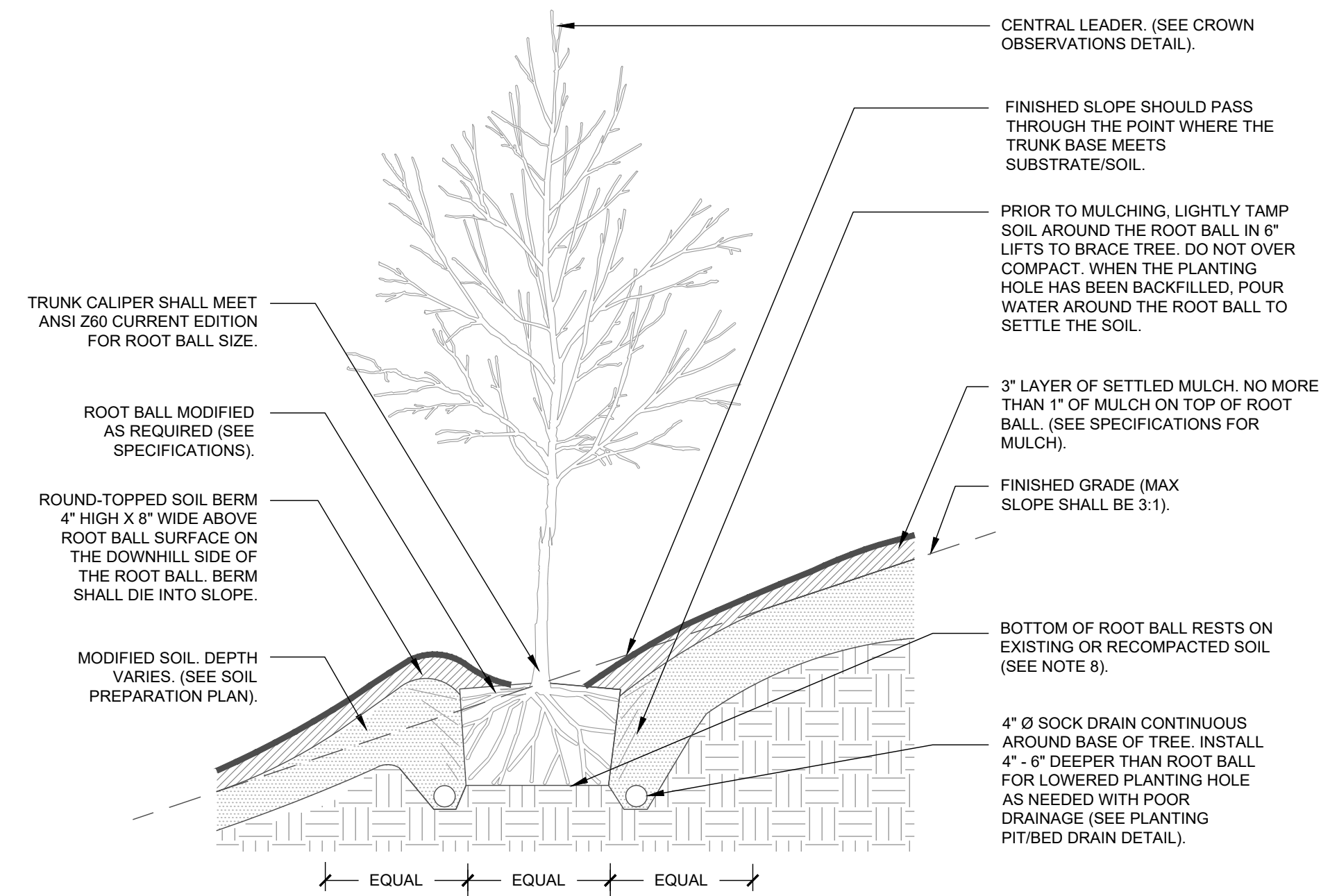
10/26/2023
 SCALE: 1" = 20'

Project Manager: _____
 Drawn By: _____
 Checked By: _____
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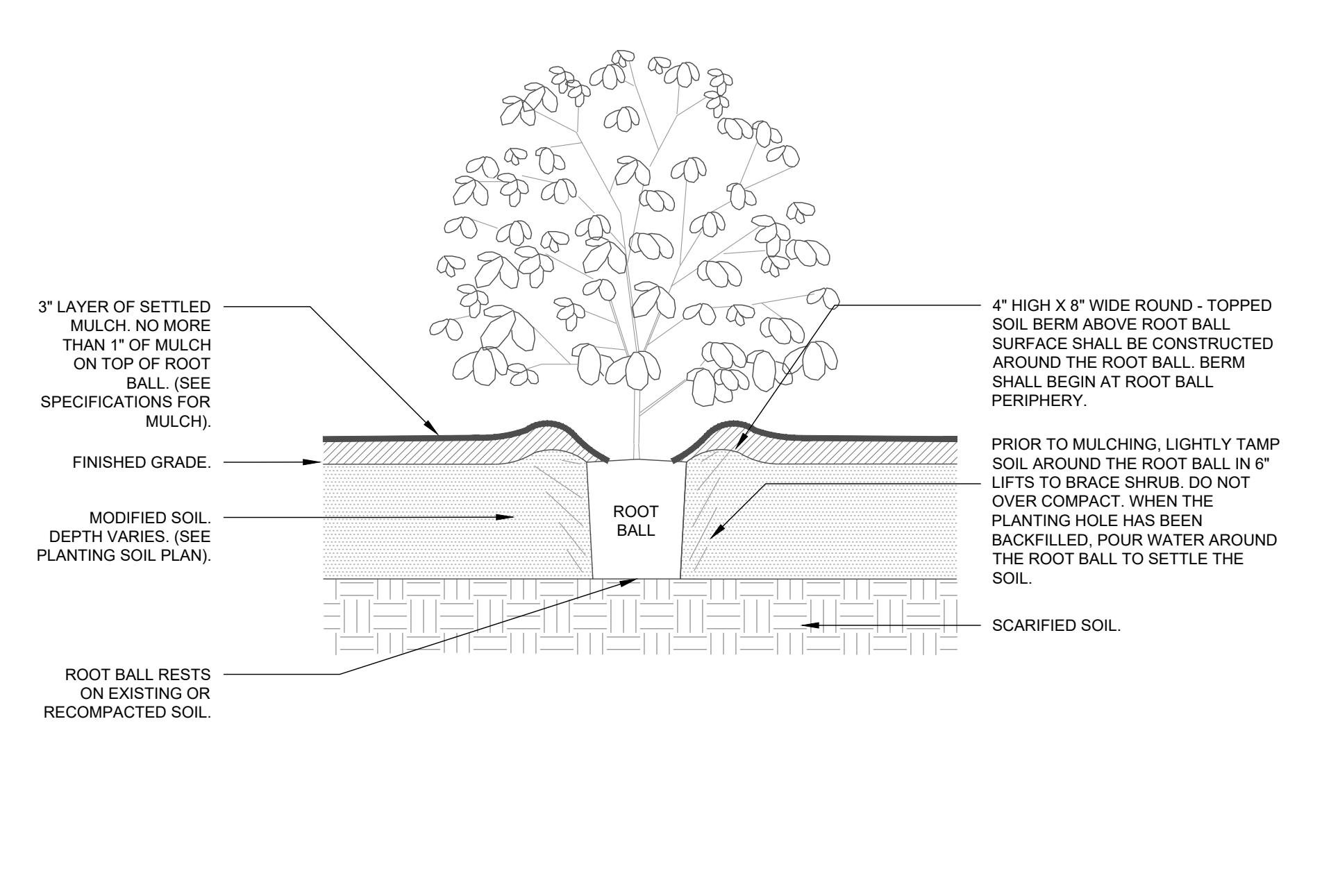
L7.14
 SDP



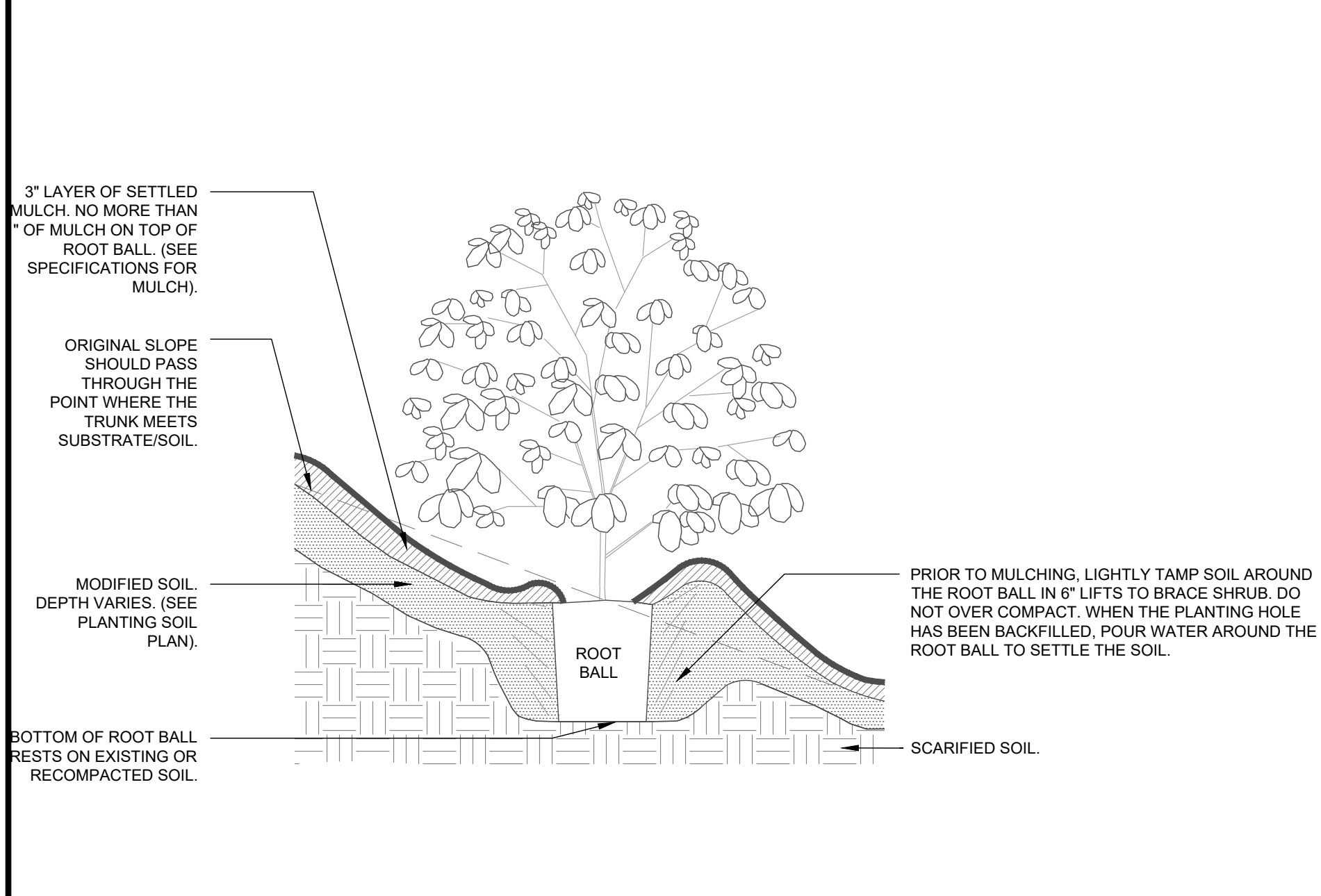
1 TREE (TYPICAL)
SECTION NTS



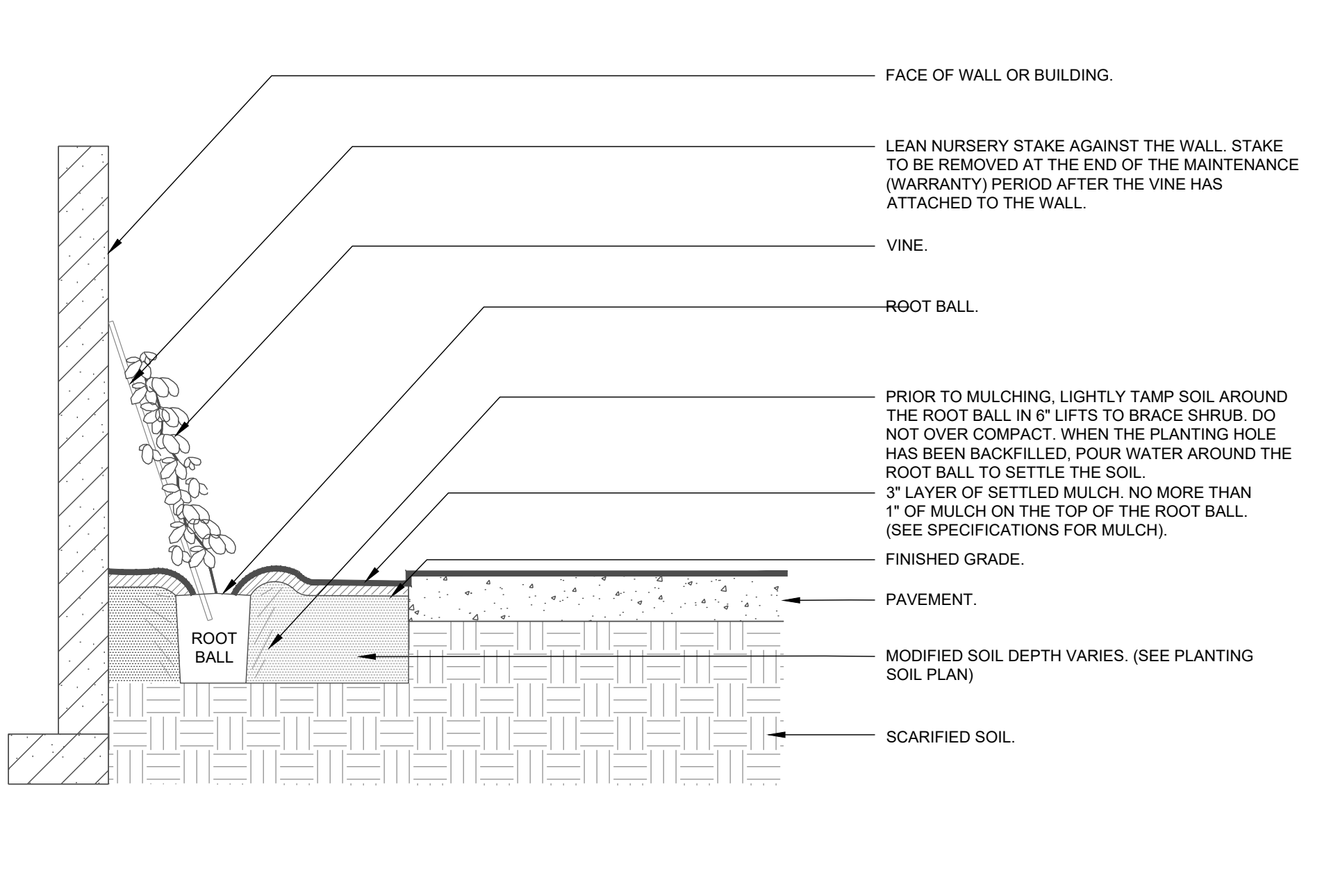
2 TREE ON SLOPE (TYPICAL)
SECTION NTS



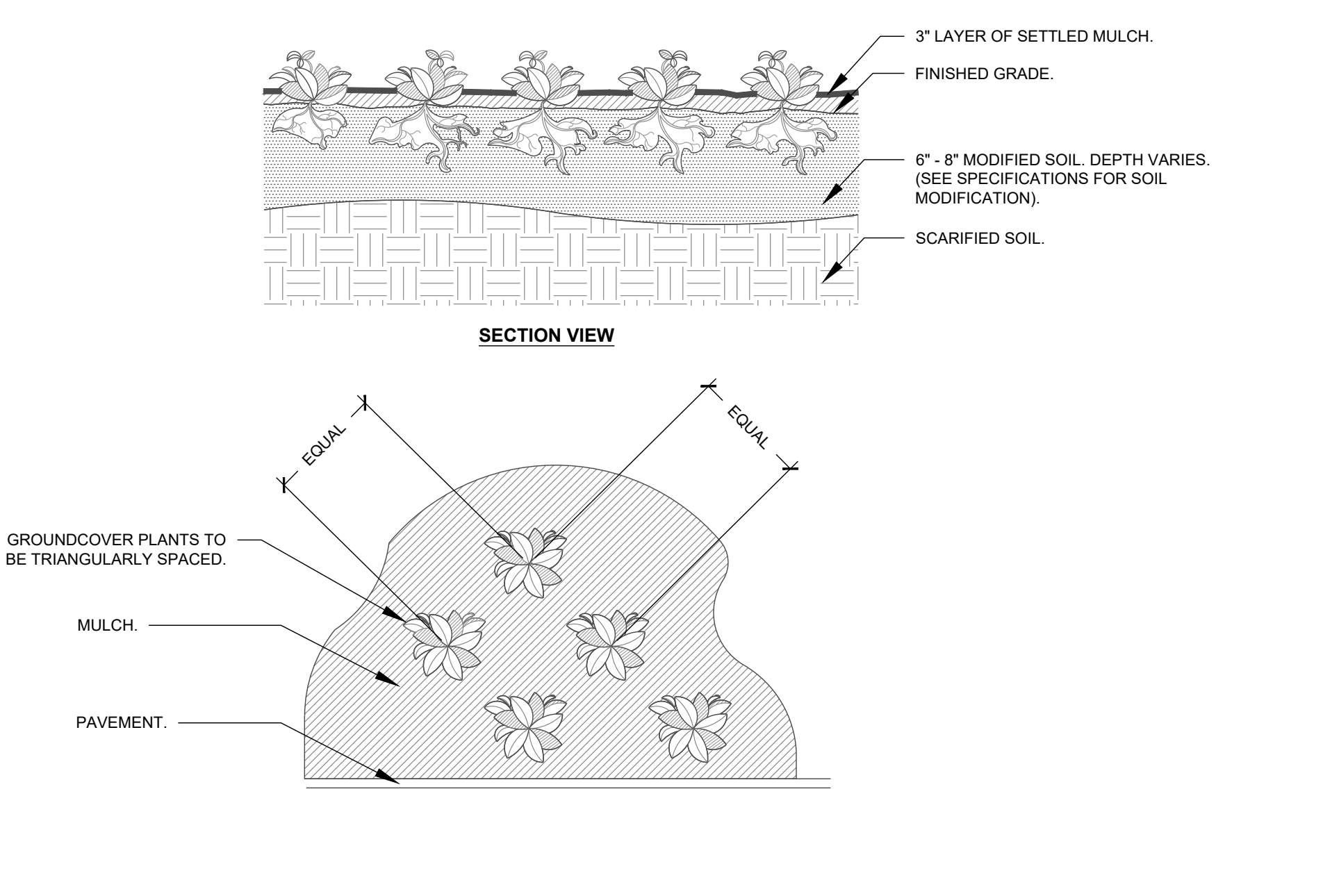
3 SHRUB (TYPICAL)
SECTION NTS



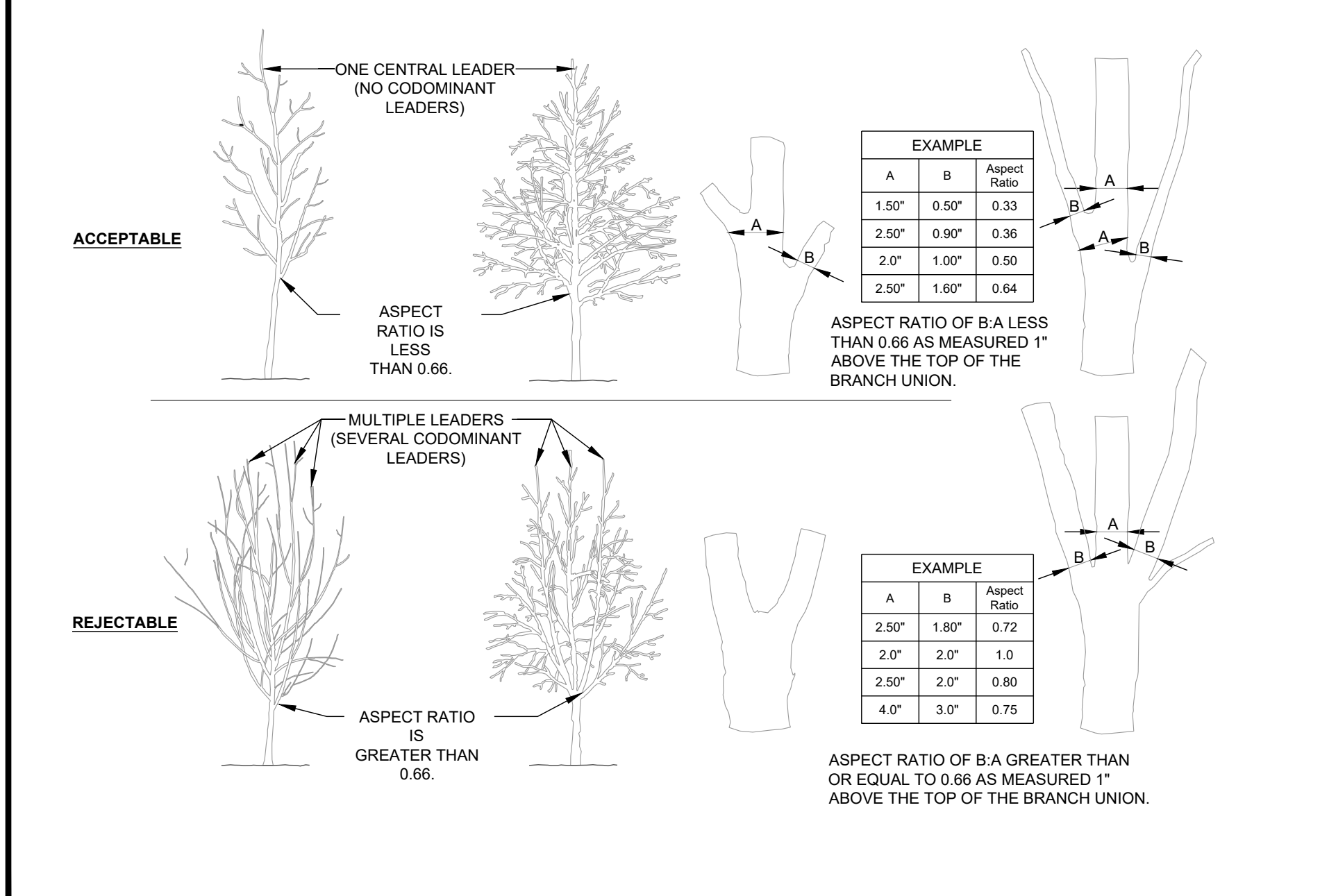
4 SHRUB ON SLOPE (TYPICAL)
SECTION NTS



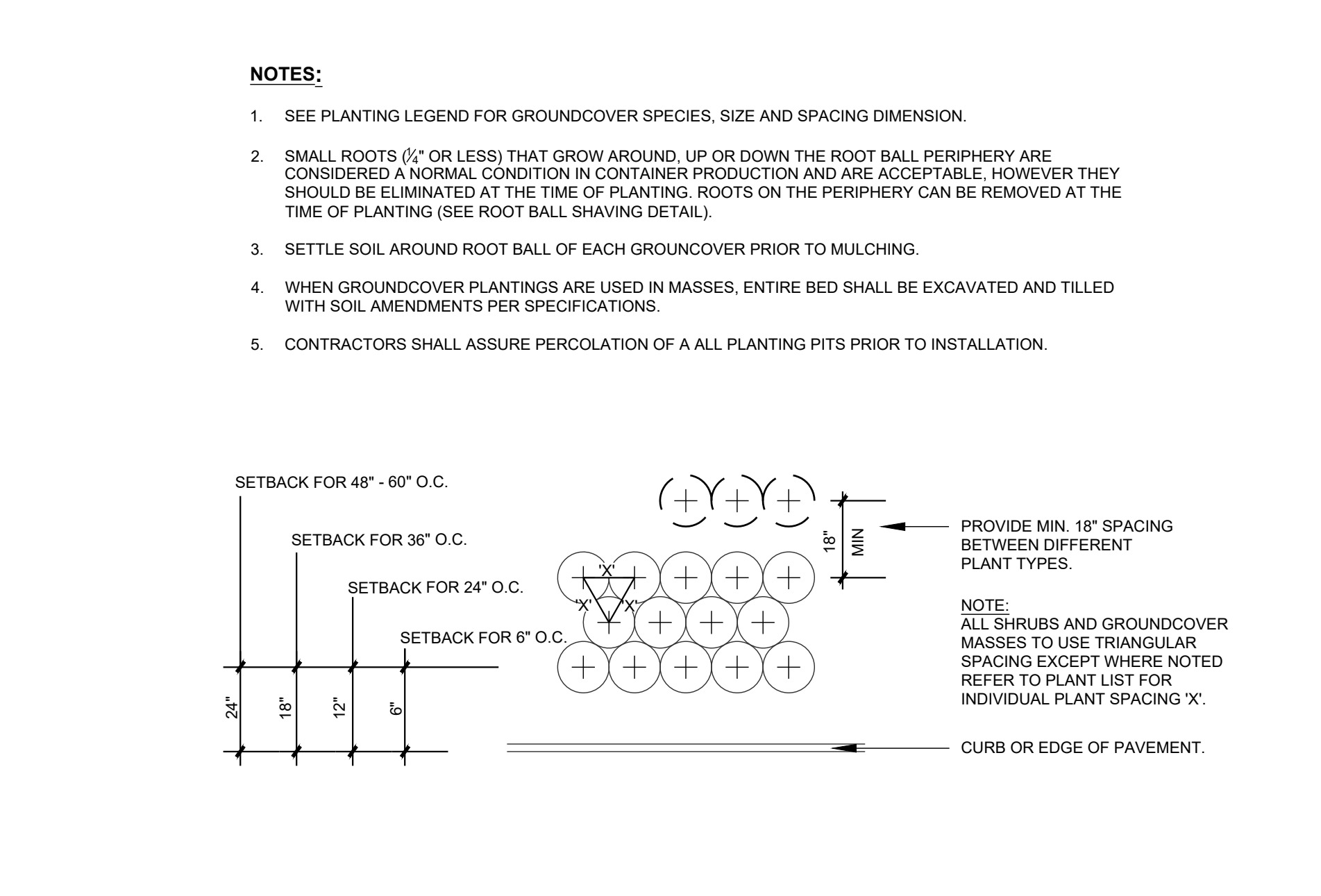
5 VINE (TYPICAL)
SECTION NTS



6 GROUNDCOVER PLANTING (TYPICAL)
PLAN NTS



7 CROWN OBSERVATIONS - HIGH BRANCHED
SECTION NTS



8 SHRUB AND GROUNDCOVER SPACING
PLAN NTS

- NOTES:**
- SEE PLANTING LEGEND FOR GROUNDCOVER SPECIES, SIZE AND SPACING DIMENSION.
 - SMALL ROOTS (1/2" OR LESS) THAT GROW AROUND, UP OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE. HOWEVER THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS ON THE PERIPHERY CAN BE REMOVED AT THE TIME OF PLANTING (SEE ROOT BALL SHAVING DETAIL).
 - SETTLE SOIL AROUND ROOT BALL OF EACH GROUNDCOVER PRIOR TO MULCHING.
 - WHEN GROUNDCOVER PLANTINGS ARE USED IN MASSES, ENTIRE BED SHALL BE EXCAVATED AND TILLED WITH SOIL AMENDMENTS PER SPECIFICATIONS.
 - CONTRACTORS SHALL ASSURE PERCOLATION OF A ALL PLANTING PITS PRIOR TO INSTALLATION.
- PLANTING NOTES:**
- DO NOT STAKE TREES EXCEPT WHERE SPECIFIED BY LANDSCAPE ARCHITECT. STAKING IS REQUIRED FOR TREES PLANTED ON SLOPES.
 - WHERE SEVERAL TREES WILL BE PLANTED CLOSE TOGETHER SUCH THAT THEY WILL LIKELY SHARE ROOT SPACE, TILL IN SOIL AMENDMENTS TO A DEPTH OF 4-6" OVER THE ENTIRE AREA.
 - FOR CONTAINER GROWN TREES, USE FINGERS OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL. THEN CUT OR PULL APART ANY ROOTS CIRCLING THE PERIMETER OF THE CONTAINER.
 - FOR FIELD GROWN TREES, CUT BURLAP, ROPE AND WIRE BASKET AWAY FROM TOP AND SIDES OF ROOT BALL.
 - THOROUGHLY SOAK THE TREE ROOT BALL AND ADJACENT PREPARED SOIL SEVERAL TIMES DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
 - THE PLANTING PROCESS IS SIMILAR FOR DECIDUOUS AND EVERGREEN TREES.
 - DO NOT WRAP TRUNK; MARK NORTH SIDE OF TREE IN THE NURSERY AND LOCATE TO THE NORTH IN THE FIELD.
 - WIDTH OF PLANTING HOLE IS 3X ROOT BALL AT THE SURFACE, SLOPING TO 2X THE ROOT BALL DIAMETER AT THE DEPTH OF THE ROOT BALL.
 - BEFORE PLANTING, ADD 3-4" OF WELL COMPOSTED LEAVES, RECYCLED YARD WASTE OR OTHER COMPOST, AND TILL INTO TOP 6" OF PREPARED SOIL. ADD COMPOST AT 20-35% BY VOLUME TO BACKFILL.
 - PERFORM PERCOLATION TEST FOR EACH TREE PIT TO CONFIRM THAT WATER DRAINS OUT OF THE SOIL. PROVIDE GRAVEL SUMP FILTER FABRIC & VENT PIPE IF DRAINAGE DOES NOT OCCUR WITHIN 24 HOURS. INCLUDE ALL SUMPS IN BASE BID. SHOULD SUMPS NOT BE NECESSARY AFTER PERCOLATION TEST, PROVIDE CHANGE ORDER DEDUCT TO OWNER.
 - IF PLANTING HOLES ARE DUG WITH A LARGE AUGER BREAKING DOWN THE SIDES WITH A SHOVEL CAN ELIMINATE GLAZING AND CREATE THE PREFERRED SLOPING SIDE.
 - TREES SHALL HAVE SINGLE LEADERS. TREES WITH 2 LEADERS WILL BE REJECTED.
 - DO NOT PLACE MULCH IN CONTACT WITH TRUNK.
 - PROVIDE GATOR BAGS FOR ALL TREES WHERE IRRIGATION IS NOT PROVIDED.

9 PLANTING NOTES

#	DATE	DESCRIPTION
1	12/02/23	ISSUED FOR CONSTRUCTION
2	11/14/2023	ISSUED FOR CONSTRUCTION



PLANTING & SOIL DETAILS
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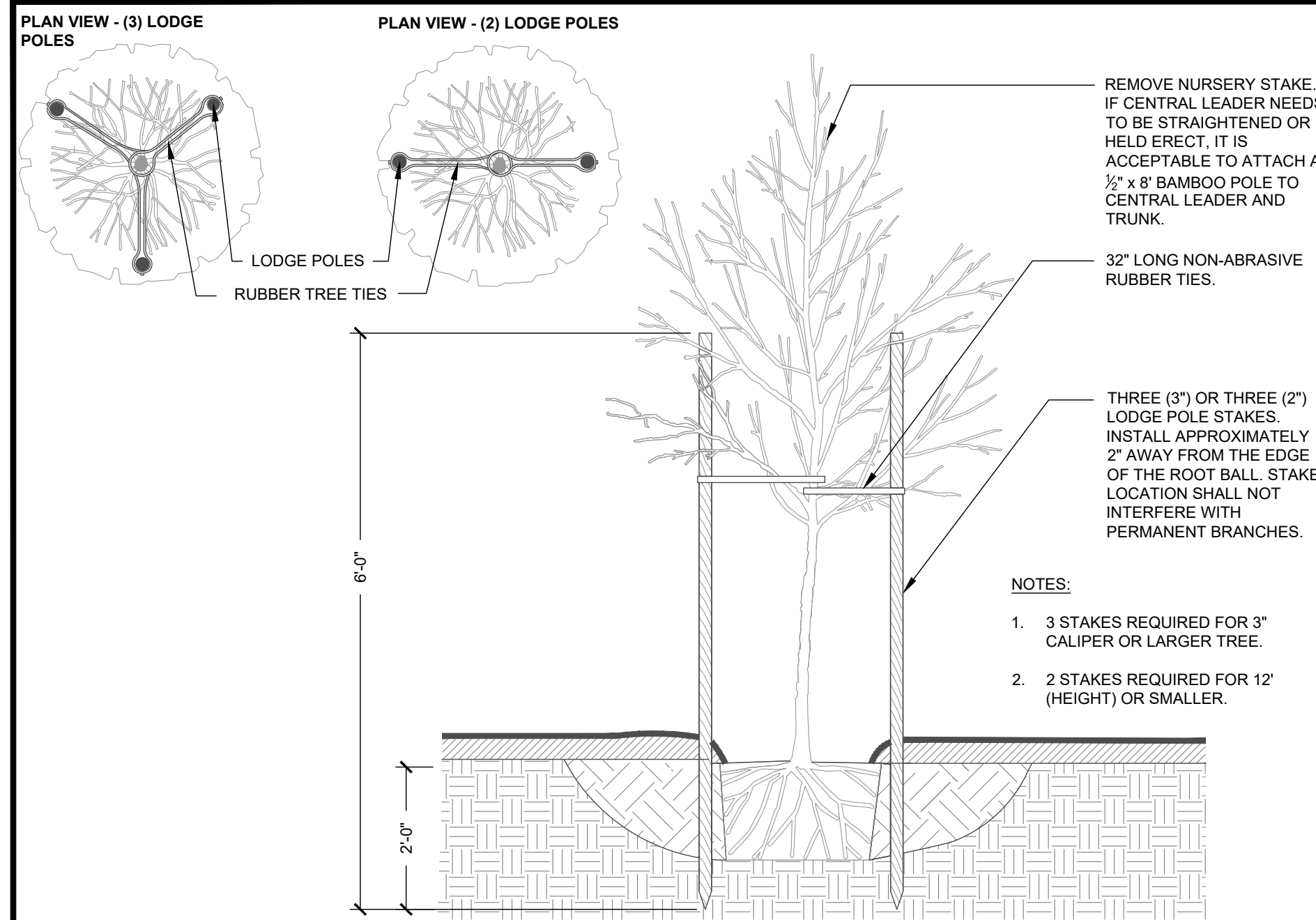
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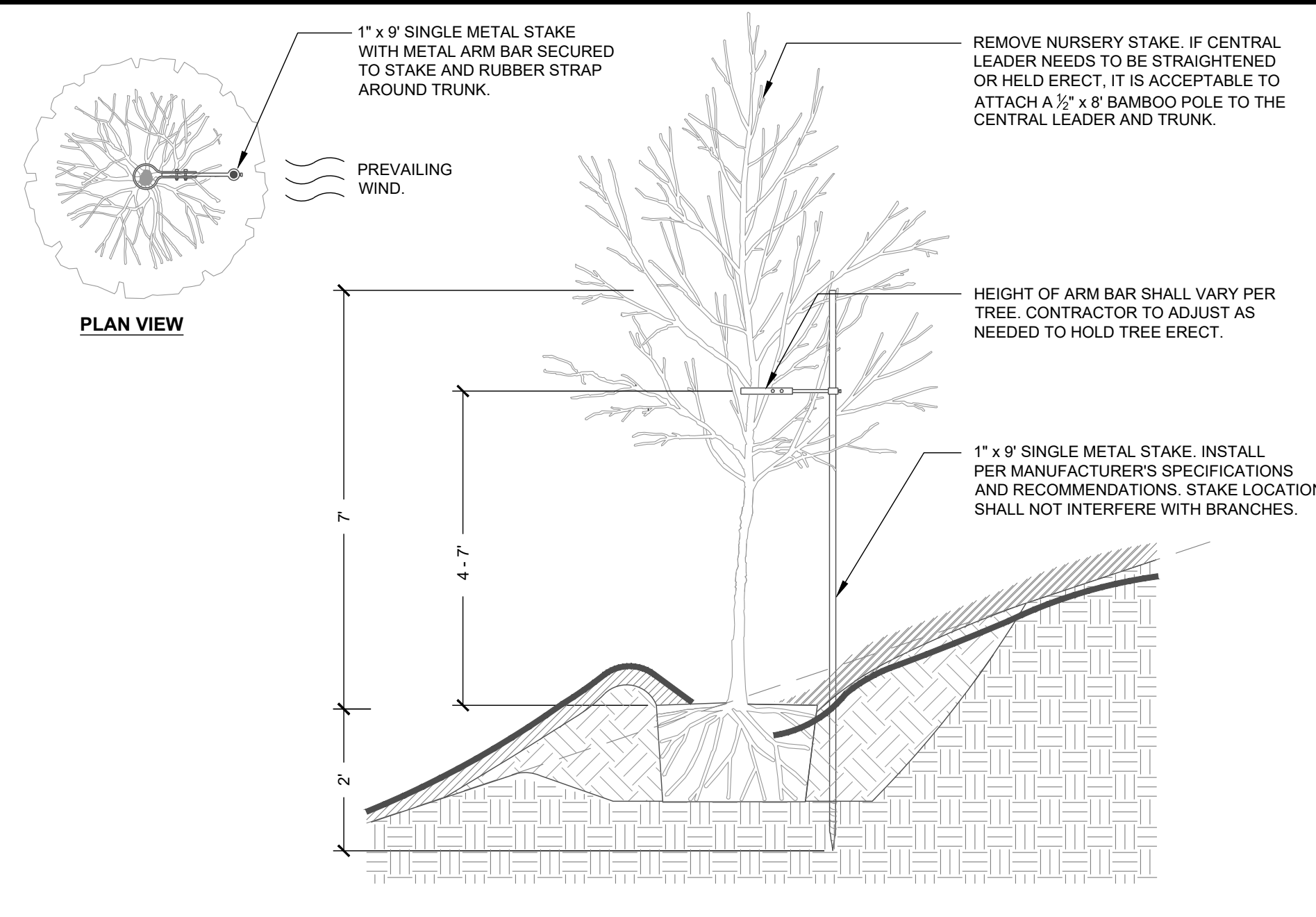
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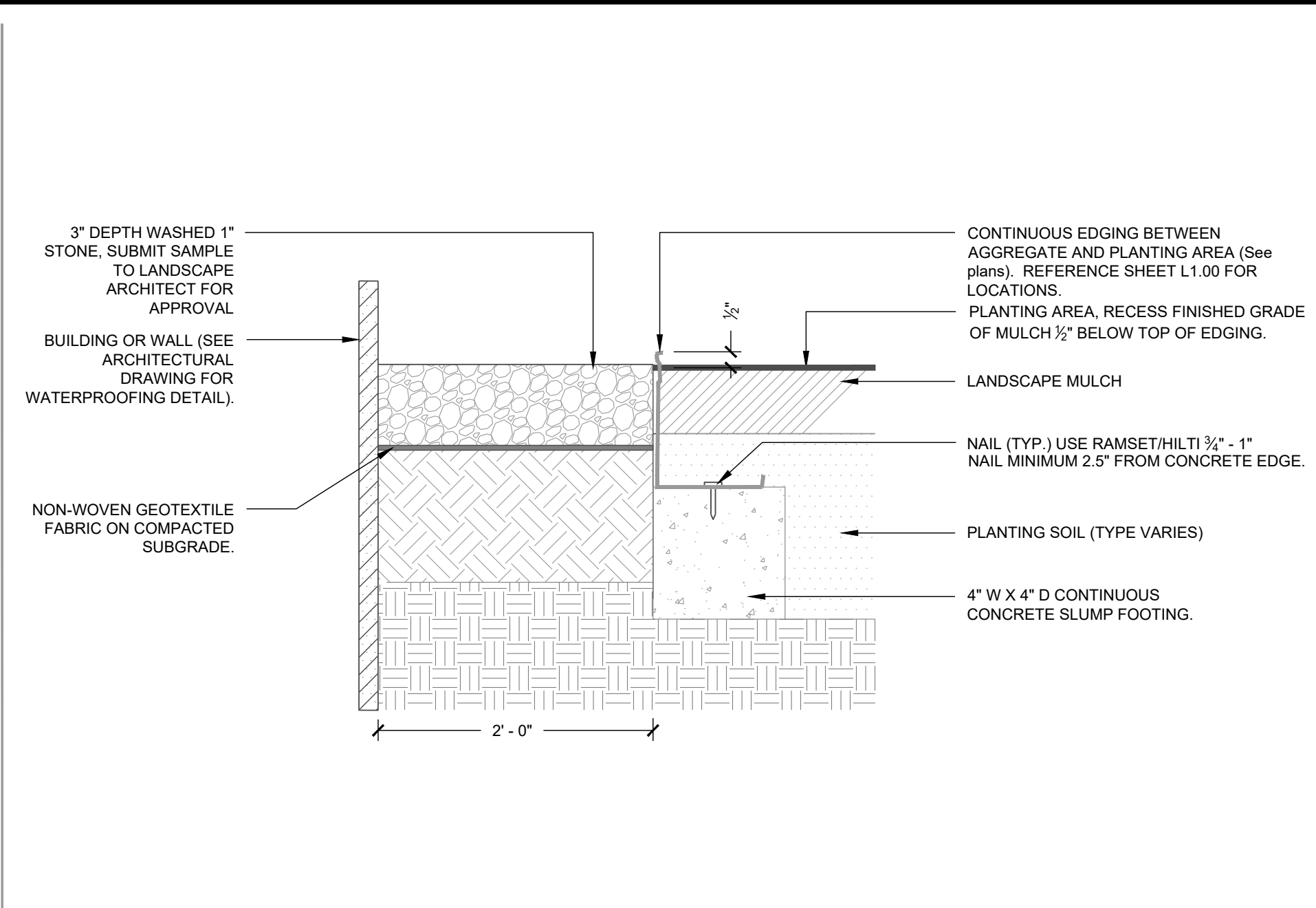
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SDP



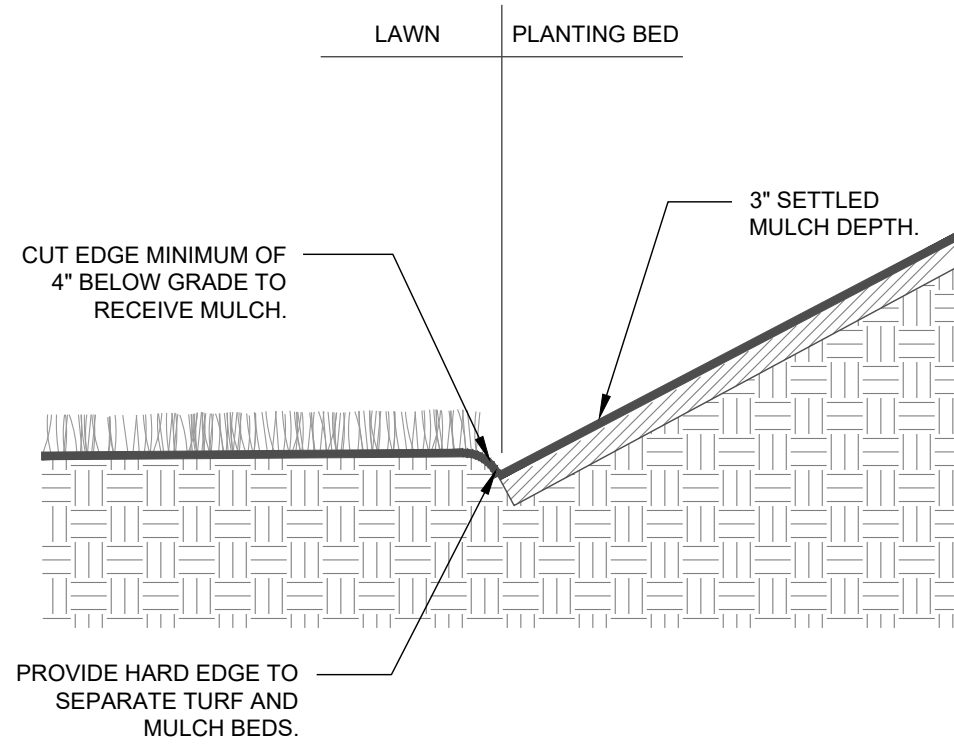
1 TREE STAKING - LODGE POLES SECTION NTS



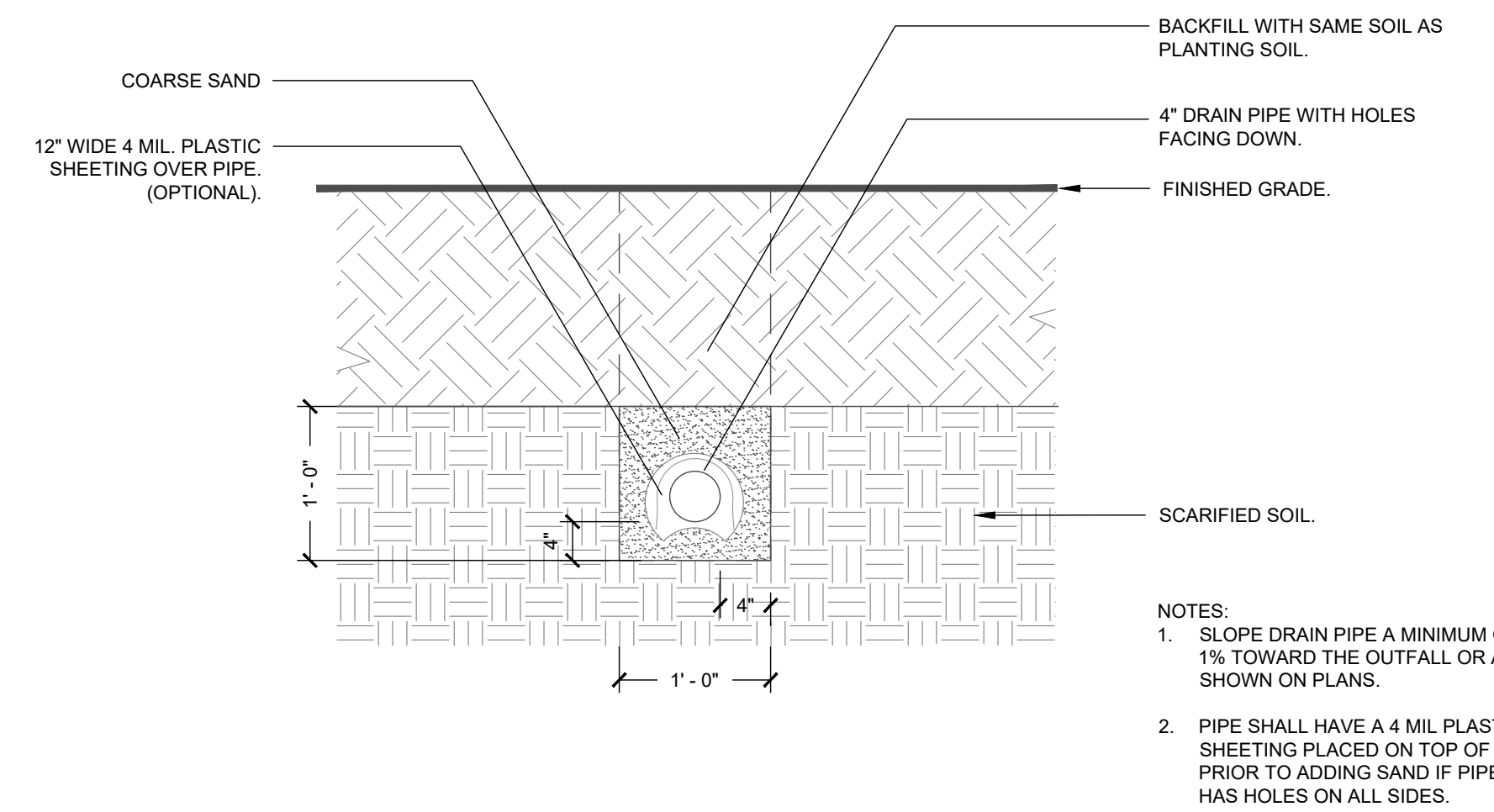
2 TREE STAKING - ON SLOPE SECTION NTS



3 GRAVEL BAND WITH STEEL EDGING SECTION NTS



4 LAWN / PLANT BED TRENCH EDGING SECTION NTS



5 PLANTING PIT / BED DRAIN DETAIL SECTION NTS

#	DATE	DESCRIPTION
1	10/26/2023	ISSUED FOR CONSTRUCTION
2	10/26/2023	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW

REVISIONS:

PLANTING & SOIL DETAILS

PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS

Town of Rolesville Project No. SDP 23-05 & CID 23-01

S Main St. / US 401 and Virginia Water Drive
Rolesville, Wake County, North Carolina

NC License: P-1199

2755-B Charles Blvd.
Raleigh, NC 27603
(754) 558-0888
www.arkconsultinggroup.com

10/26/2023

Project Manager:	
Drawn By:	
Checked By:	
Project Number:	
Drawing Number:	
Date:	October 26, 2023

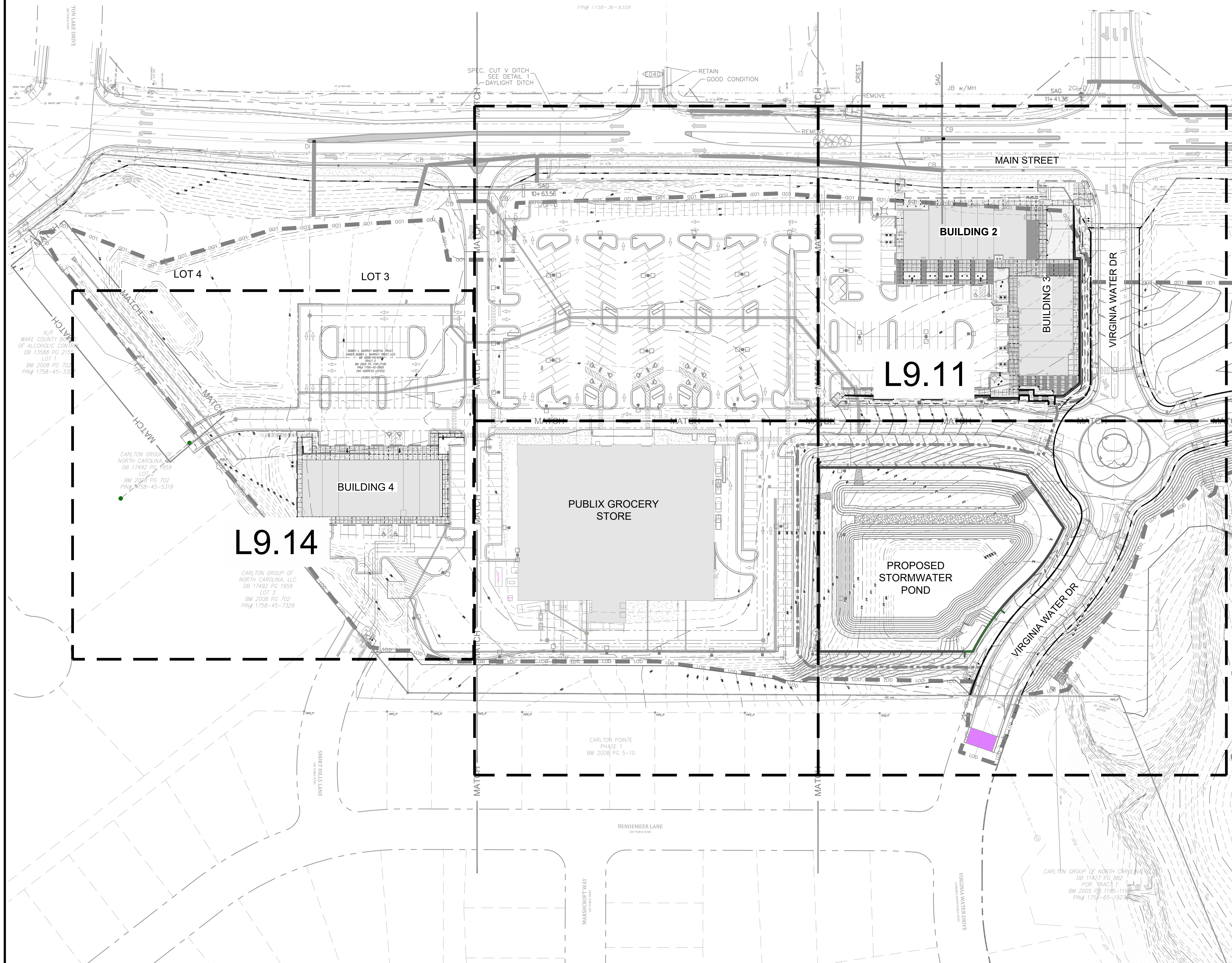
STEWART

223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603 T 919.380.8750

FIRM LICENSE # C-1051 www.stewartinc.com PROJECT # L22007

L7.92

SDP



- NOTE:
1. PROJECT MONUMENT SIGNS BY OTHERS. SHOPS DRAWINGS TO BE REVIEWED BY LANDSCAPE ARCHITECT
 2. EXTERIOR LIGHTING PHOTOMETRIC DRAWING PART OF ARCHITECT'S DRAWING SET.
 3. EXTERIOR BUILDING LIGHTING PER ARCHITECT.
 4. PARKING LOT LIGHTING BY OTHERS.
 5. TENANT STRING LIGHTS NOT SHOWN IN DRAWINGS PER OWNER/TENANT

REVISIONS:

#	DATE	DESCRIPTION
1	12/26/23	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
2	11/14/2023	ISSUED FOR CONSTRUCTION

OVERALL SITE LIGHTING PLAN
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
 Town of Rolesville Project No. SDP 23-05 & CID 23-01
 S Main St. / US 401 and Virginia Water Drive
 Rolesville, Wake County, North Carolina

NC License: P11199
ARK CONSULTING GROUP PLLC
 ENGINEERS & PLANNERS
 2755-B Charles Blvd.
 Charlotte, NC 28208
 (754) 558-0888
 www.arkconsultinggroup.com

10/26/2023

Project Manager:	
Drawn By:	
Checked By:	
Project Number:	
Drawing Number:	
Date:	October 26, 2023

L9.00
SDP

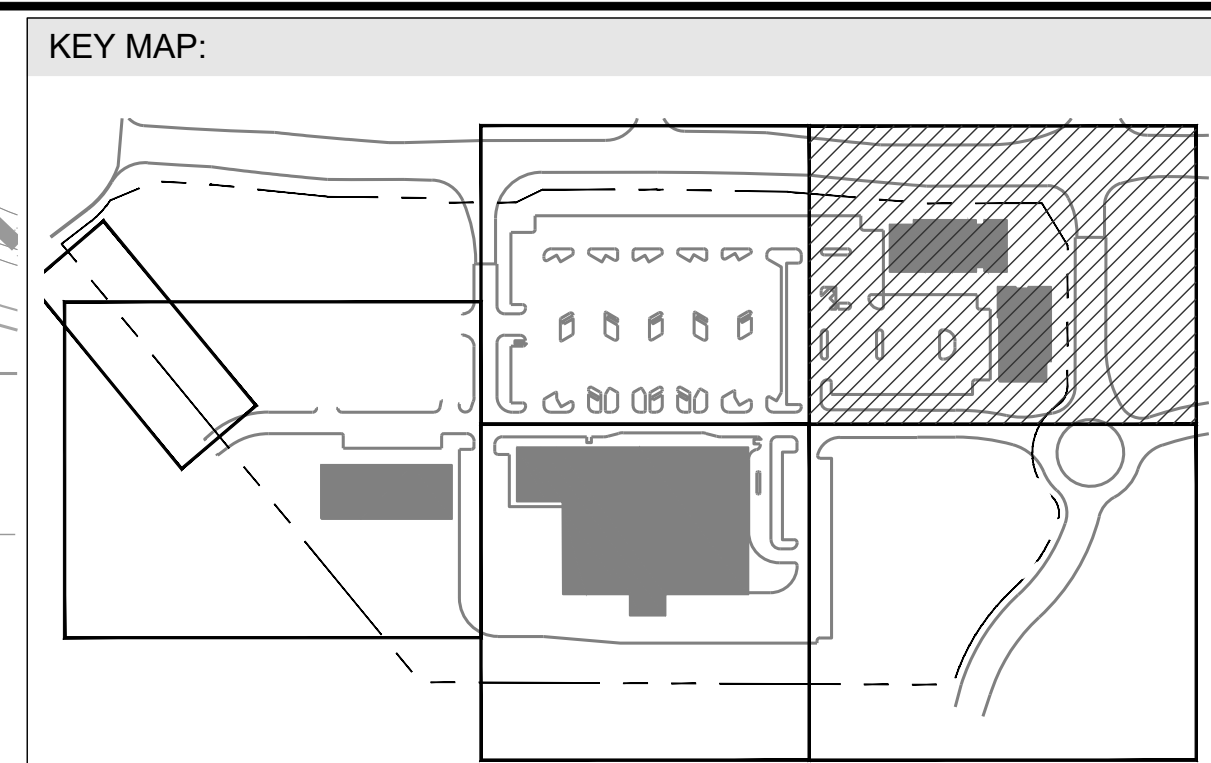
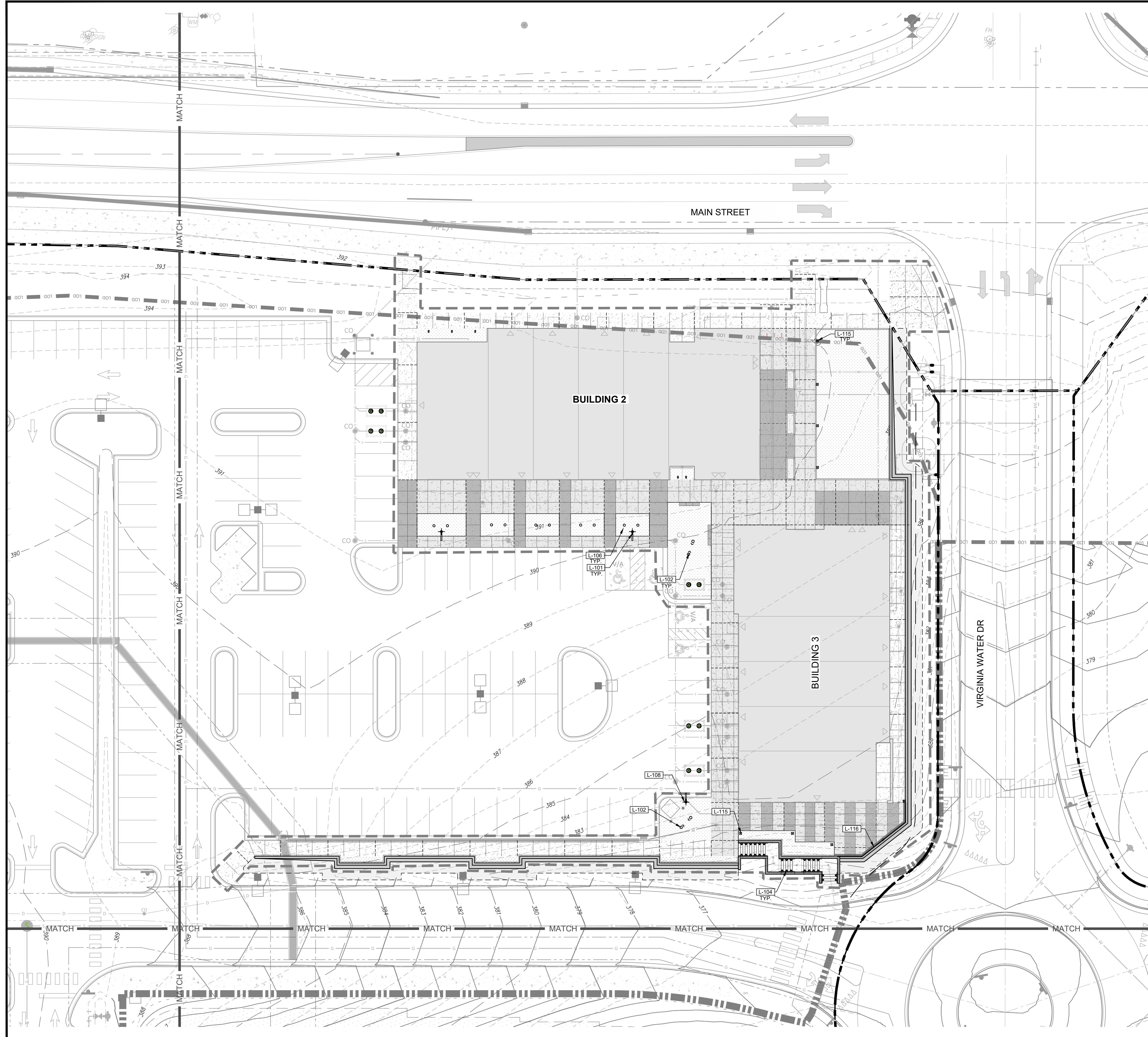
STEWART
 223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603 T 919.380.8750
 FIRM LICENSE # C-1051 www.stewartinc.com PROJECT # L22007

NORTH

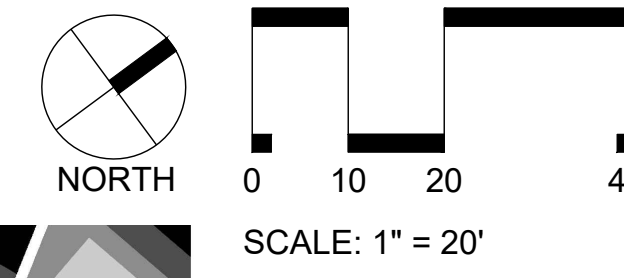
0 30' 60' 120'

SCALE: 1" = 60'

NORTH CAROLINA LANDSCAPE ARCHITECTS 2054 STEPHEN STUBBS



LIGHTING SCHEDULE		
SYMBOL	DESCRIPTION	DETAIL
□	L-101 SPECIALTY LIGHT FIXTURE	3/L9.91
○	L-102 STAKE MOUNTED TREE UPLIGHT	6/L9.91
●	L-104 STEP LIGHT	2/L9.91
○	L-106 GROUND LIGHT	5/L9.91
□	L-115 SQUARE ALUMINUM POLE	7/L9.91
—	L-116 CONCEALED ROPE LIGHT	4/L9.91



STEWART
 223 S. WEST STREET
 SUITE 1100
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 T 919.380.8750



REVISIONS:

#	DATE	DESCRIPTION
1	26-OCT-23	SDP-23-05 / CID-23-01 COMBINED PERMIT REVIEW
2	14-NOV-23	ISSUED FOR CONSTRUCTION



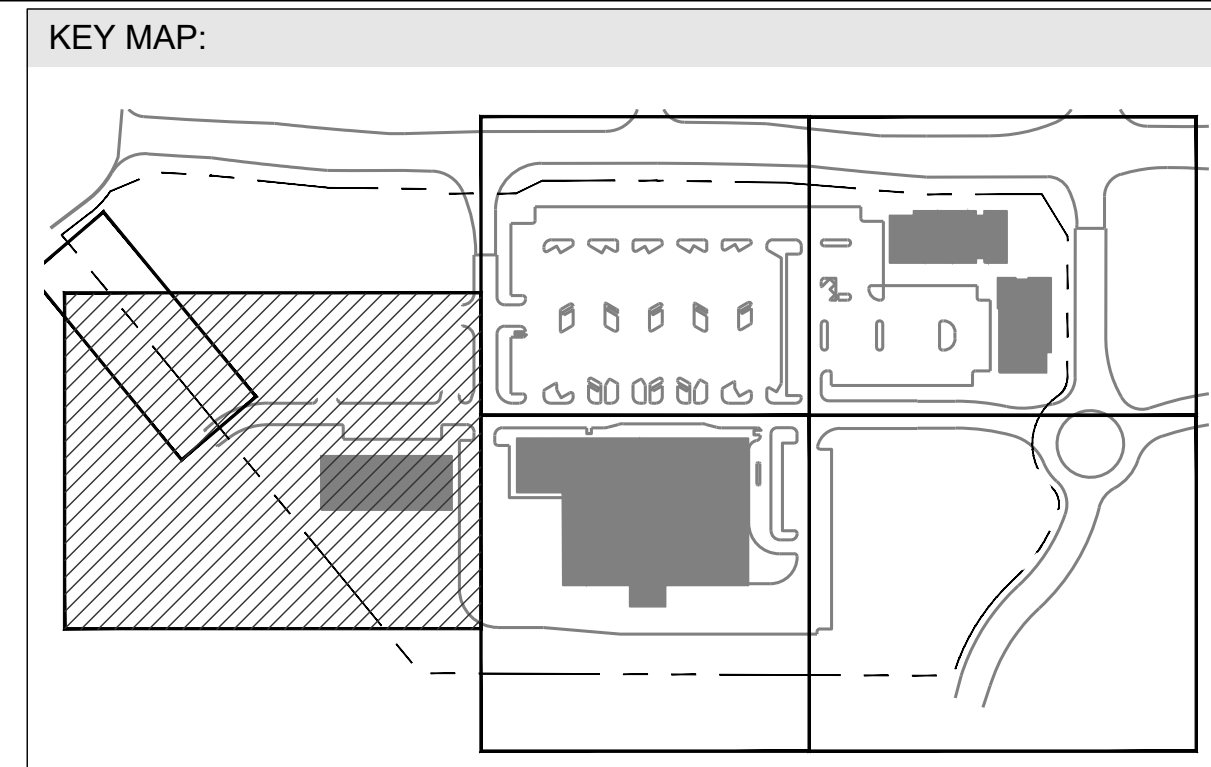
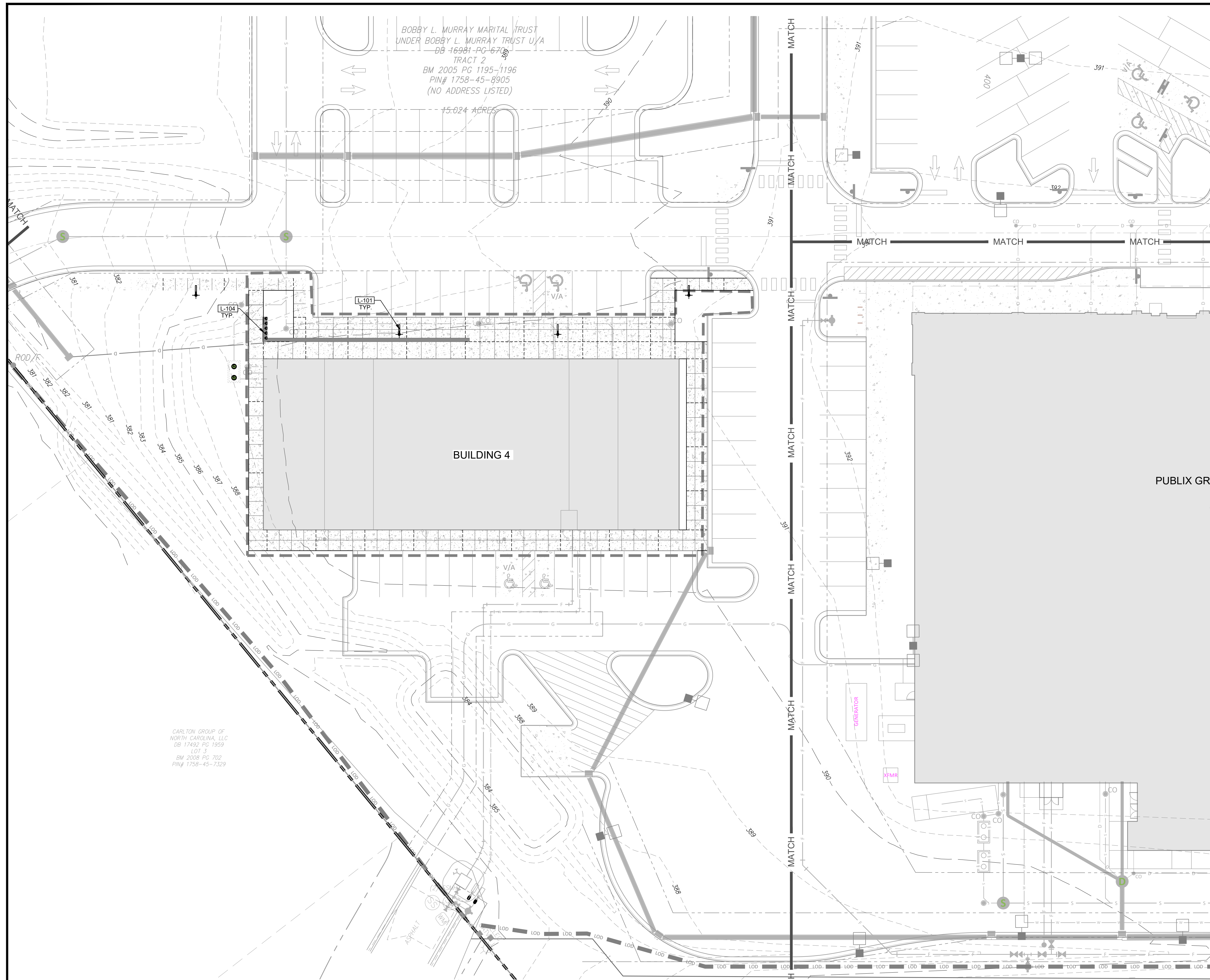
SITE LIGHTING NORTHEAST
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
 Town of Rolesville Project No. SDP 23-05 & CID 23-01
 S Main St. / US 401 and Virginia Water Drive
 Rolesville, Wake County, North Carolina

NC License: P11159
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 ENGINEERS & PLANNERS
 2755-B Charles Blvd.
 Raleigh, NC 27603
 (757) 558-0888
 www.arkconsultinggroup.com

10/26/2023

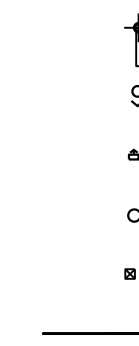
Project Manager: _____
 Drawn By: _____
 Checked By: _____
 Project Number: _____
 Drawing Number: _____
 Date: October 26, 2023

L9.11
 SDP



LIGHTING SCHEDULE

SYMBOL	DESCRIPTION	DETAIL
L-101	SPECIALTY LIGHT FIXTURE	3/L9.91
L-102	STAKE MOUNTED TREE UPLIGHT	6/L9.91
L-104	STEP LIGHT	2/L9.91
L-106	GROUND LIGHT	5/L9.91
L-115	SQUARE ALUMINUM POLE	7/L9.91
L-116	CONCEALED ROPE LIGHT	4/L9.91



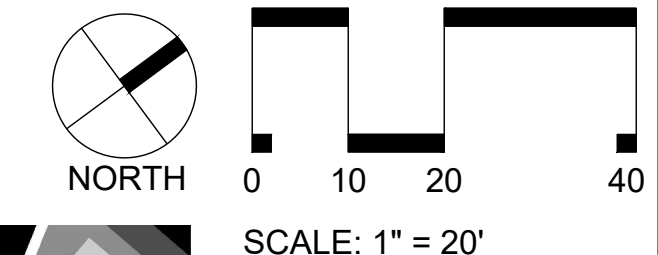
REVISIONS:

#	DATE	DESCRIPTION
1	26-OCT-23	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
2	14-NOV-23	ISSUED FOR CONSTRUCTION



SITE LIGHTING BLDG 4
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
 Town of Rolesville Project No. SDP 23-05 & CID 23-01
 S Main St. / US 401 and Virginia Water Drive
 Rolesville, Wake County, North Carolina

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 SUITE 1100
 RALEIGH, NC 27603
 T 919.380.8750

FIRM LICENSE #:
 C-1051
 www.stewartinc.com
 PROJECT #: L22007

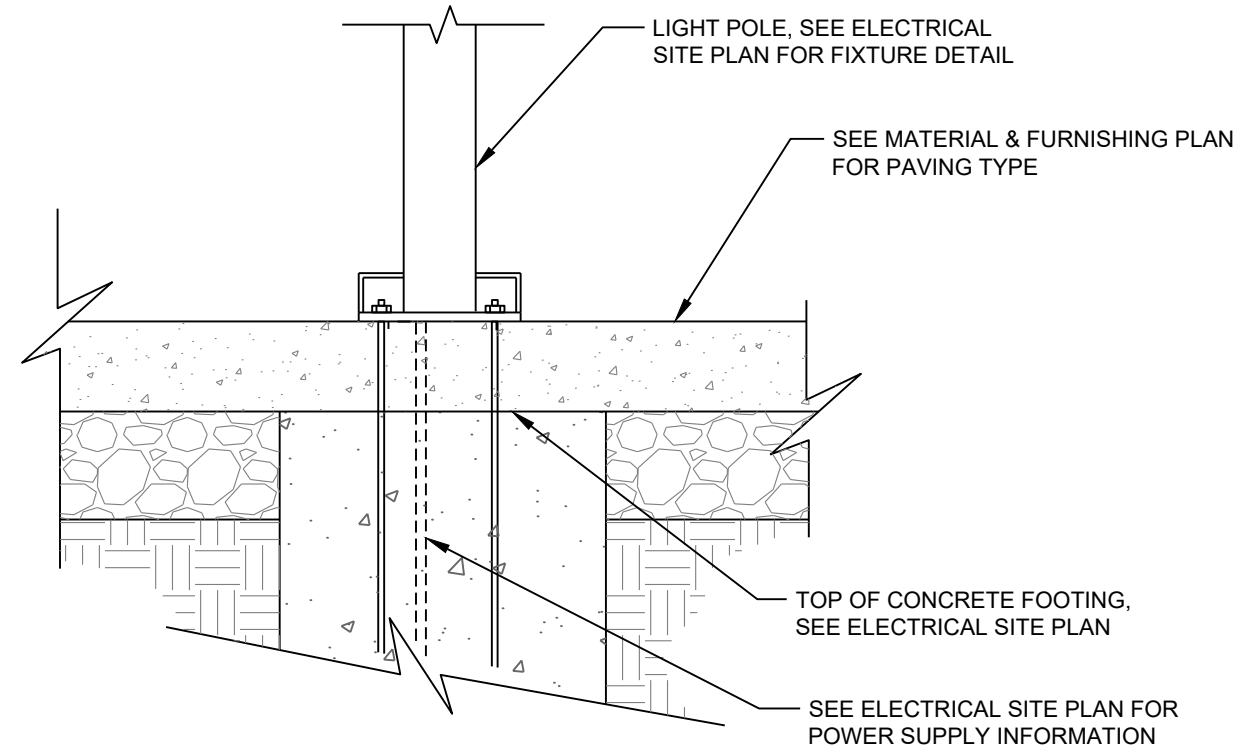
10/26/2023

10/26/2023

STEPHEN M. STEBBINS
 10/26/2023

Project Manager: _____
 Drawn By: _____
 Checked By: _____
 Project Number: _____
 Drawing Number: _____
 Date: October 26, 2023

L9.14
 SDP

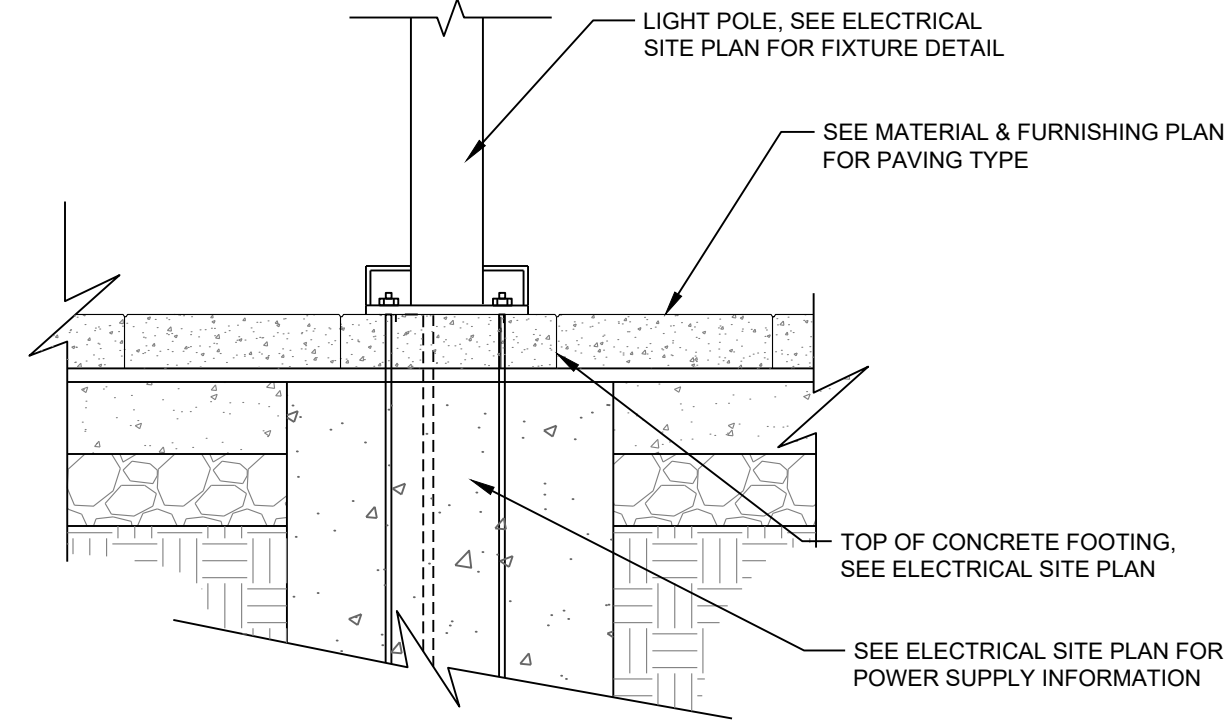


NOTES:

1. FOOTING DESIGN PER THE ELECTRICAL DRAWINGS.
2. TOP OF FOOTING TO BE COORDINATED WITH PAVING AS SHOWN.
3. THIS DETAIL TO COORDINATE FOOTING WITH PAVING ONLY.

1 LIGHT POLE FOOTING IN CONCRETE

3/8" = 1'-0"



NOTES:

1. FOOTING DESIGN PER THE ELECTRICAL DRAWINGS.
2. TOP OF FOOTING TO BE COORDINATED WITH PAVING AS SHOWN.
3. THIS DETAIL TO COORDINATE FOOTING WITH PAVING ONLY.

2 LIGHT POLE FOOTING IN PAVER

3/8" = 1'-0"

#	DATE	DESCRIPTION
1	26.OCT.23	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
2	14.NOV.23	ISSUED FOR CONSTRUCTION

REVISIONS:



SITE LIGHTING DETAILS
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
 Town of Rolesville Project No. SDP 23-05 & CID 23-01
 Rolesville, Wake County, North Carolina
 S Main St. / US 401 and Virginia Water Drive

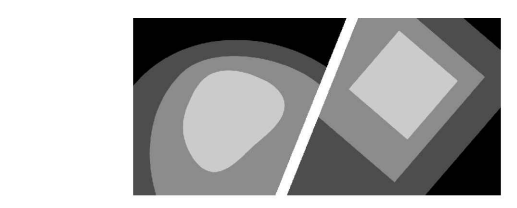
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 Raleigh, NC 27603
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10/26/2023

Project Manager:	
Drawn By:	
Checked By:	
Project Number:	
Drawing Number:	
Date:	October 26, 2023

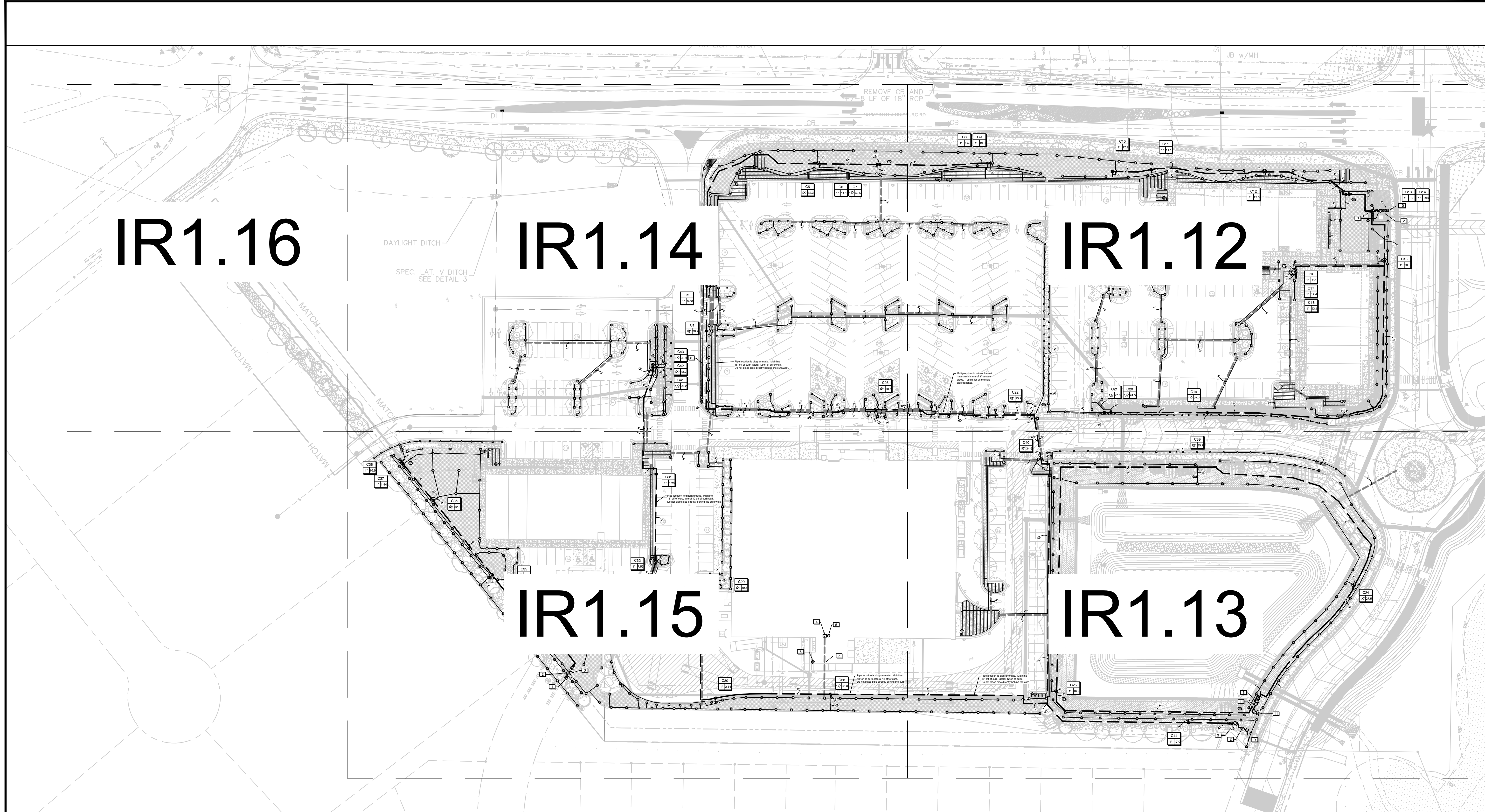
L9.92

SDP



STEWART
 223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603 T 919.380.8750
 FIRM LICENSE #: C-1051 www.stewartinc.com PROJECT #: L22007





NO.	DATE	DESCRIPTION
1	26-OCT-23	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
2	14-NOV-23	ISSUED FOR CONSTRUCTION

REVISIONS:

CROSLAND SOUTHEAST

IRRIGATION SHEET LAYOUT PLAN

PUBLIC AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS

Town of Rolesville Project No. SDP 23-05 & CID 23-01

S. Main St. / US 401 and Virginia Water Drive
Rolesville, Wake County, North Carolina

NC License: P-1199

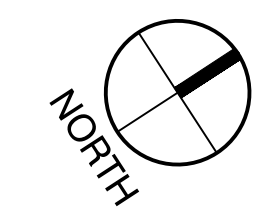
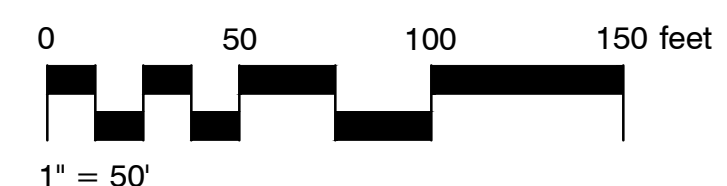
ARK CONSULTING GROUP, P.L.L.C.
ENGINEERS & ARCHITECTS

2755-B Charles Blvd.
Greenville, NC 27858
(252) 558-0888
www.arkconsultinggroup.com

Project Manager:	BCF
Drawn By:	DLC
Checked By:	STA
Project Number:	21089 / 22012
Drawing Number:	D-1219-CD
Date:	October 26, 2023

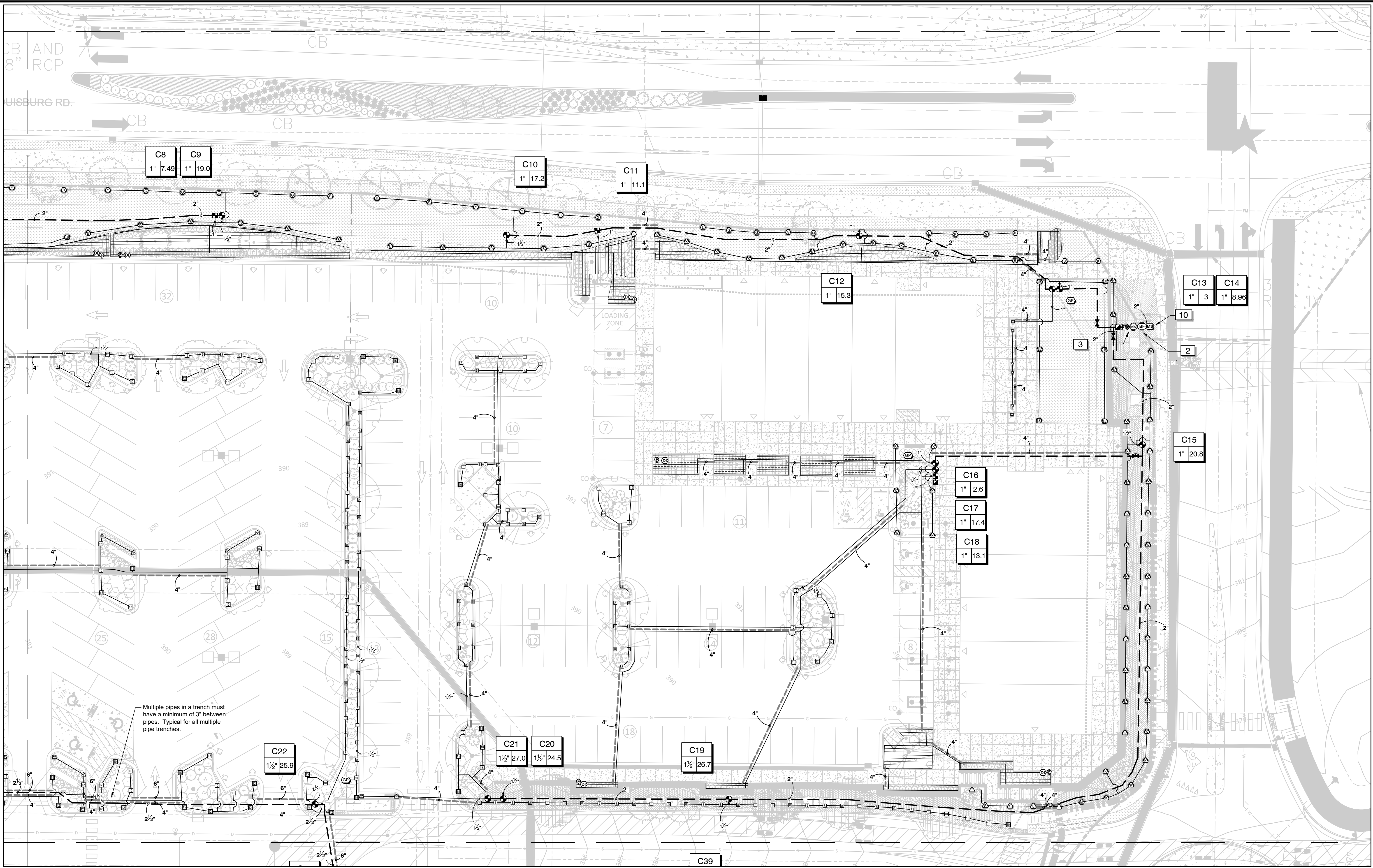
IR1.10

SDP



10/26/2023

E:\0000\COMMERCIAL - PROJECTS\SYSTEMS\WALLBROOK\DESIGN FILES\23007 IRRIGATION 2-1-23.DWG, IR1.10, Mchae Clark, Nov 15, 2023 @ 2:51 PM



C8
1" 7.49

C9
1" 19.0

C10
1" 17.2

C11
1" 11.1

C12
1" 15.3

C13
1" 3

C14
1" 8.96

C15
1" 20.8

C16
1" 2.6

C17
1" 17.4

C18
1" 13.1

C22
1 1/2" 25.9

C21
1 1/2" 27.0

C20
1 1/2" 24.5

C19
1 1/2" 26.7

C39

Multiple pipes in a trench must have a minimum of 3" between pipes. Typical for all multiple pipe trenches.

REVISIONS:

2	15-NOV-23	ISSUED FOR CONSTRUCTION	
1	26-OCT-23	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW	
#	DATE	DESCRIPTION	

CROSLAND SOUTHEAST

ENHANCED IRRIGATION PLAN - NORTHWEST
PUBLIC AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
 Town of Rolesville Project No. SDP 23-05 & CID 23-01
 S Main St. / US 401 and Virginia Water Drive
 Rolesville, Wake County, North Carolina

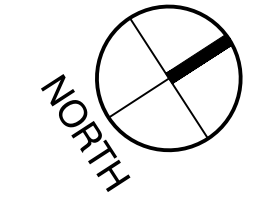
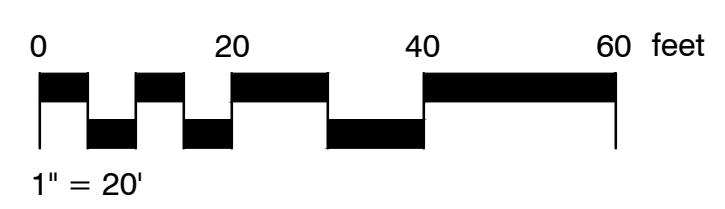
NC License: P-1199

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 ENGINEERS AND PLANNERS

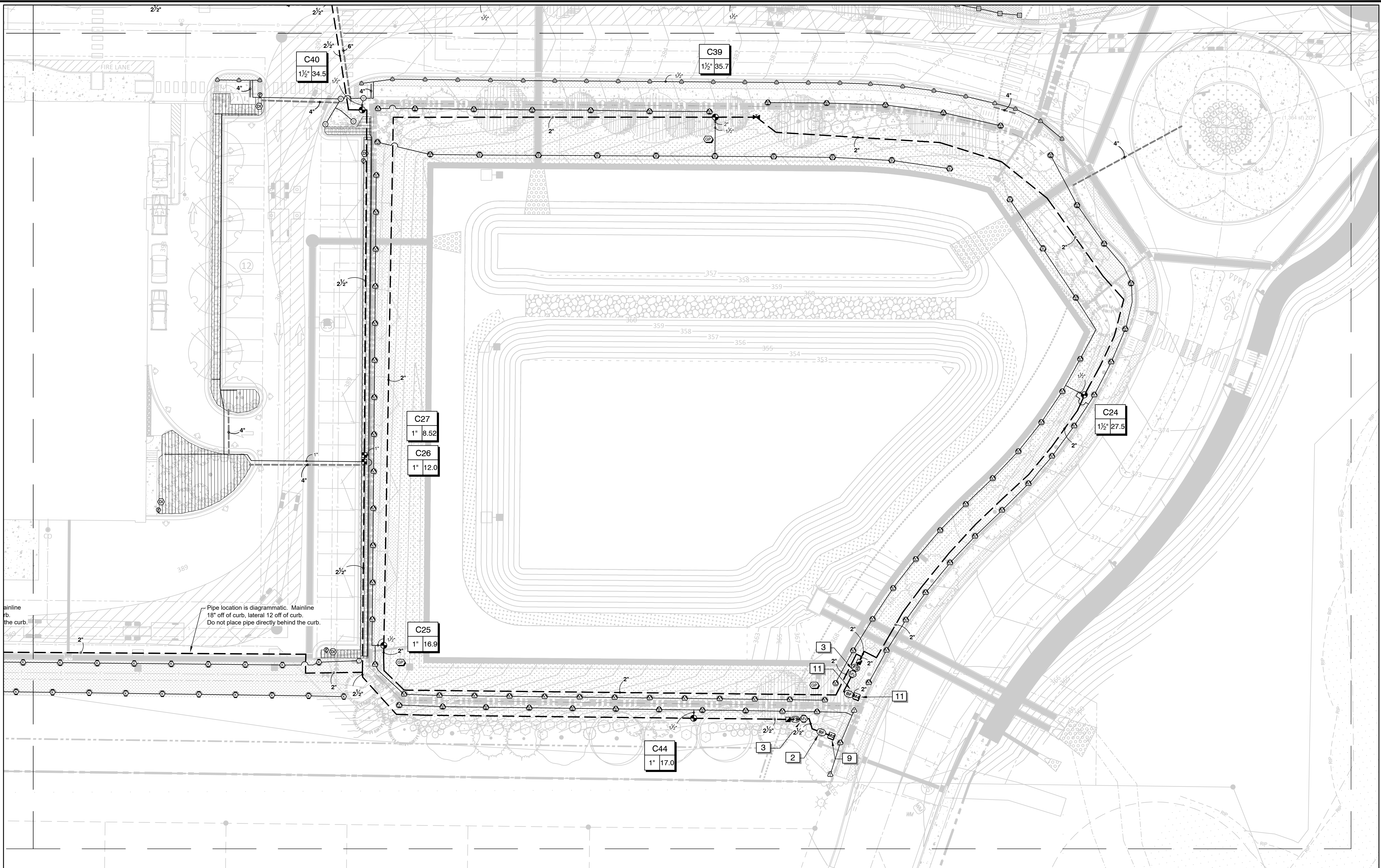
2755-B Charles Blvd.
 Greenville, NC 27858
 (252) 558-0888
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Project Manager:	BCF
Drawn By:	DLC
Checked By:	STA
Project Number:	21089 / 22012
Drawing Number:	D-1219-CD
Date:	October 26, 2023

IR1.12
SDP



10/26/2023



Pipe location is diagrammatic. Mainline 18" off of curb, lateral 12" off of curb. Do not place pipe directly behind the curb.

NO.	DATE	DESCRIPTION
1	26-OCT-23	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
2	18-NOV-23	ISSUED FOR CONSTRUCTION

REVISIONS:

CROSLAND SOUTHEAST

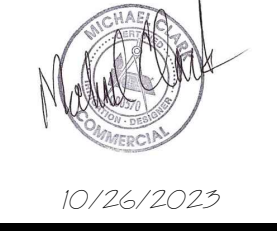
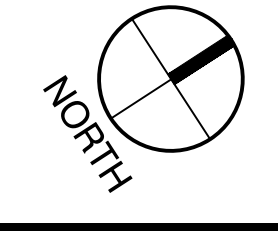
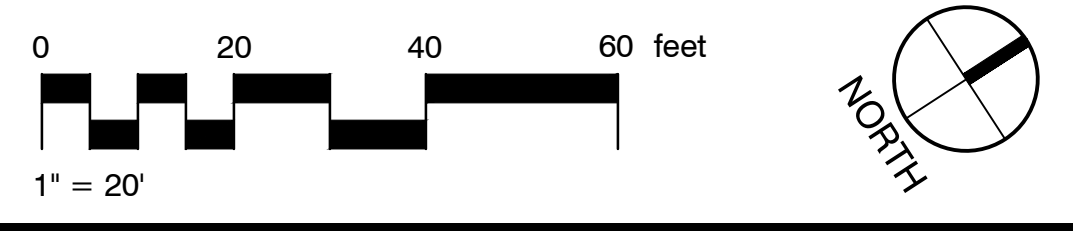
ENHANCED IRRIGATION PLAN - NORTHEAST
PUBLIC AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
 Town of Rolesville Project No. SDP 23-05 & CID 23-01
 Rolesville, Wake County, North Carolina
 S Main St. / US 401 and Virginia Water Drive

NC License: P-1199
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 ENGINEERS & PLANNERS

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 Greenville, NC 27858
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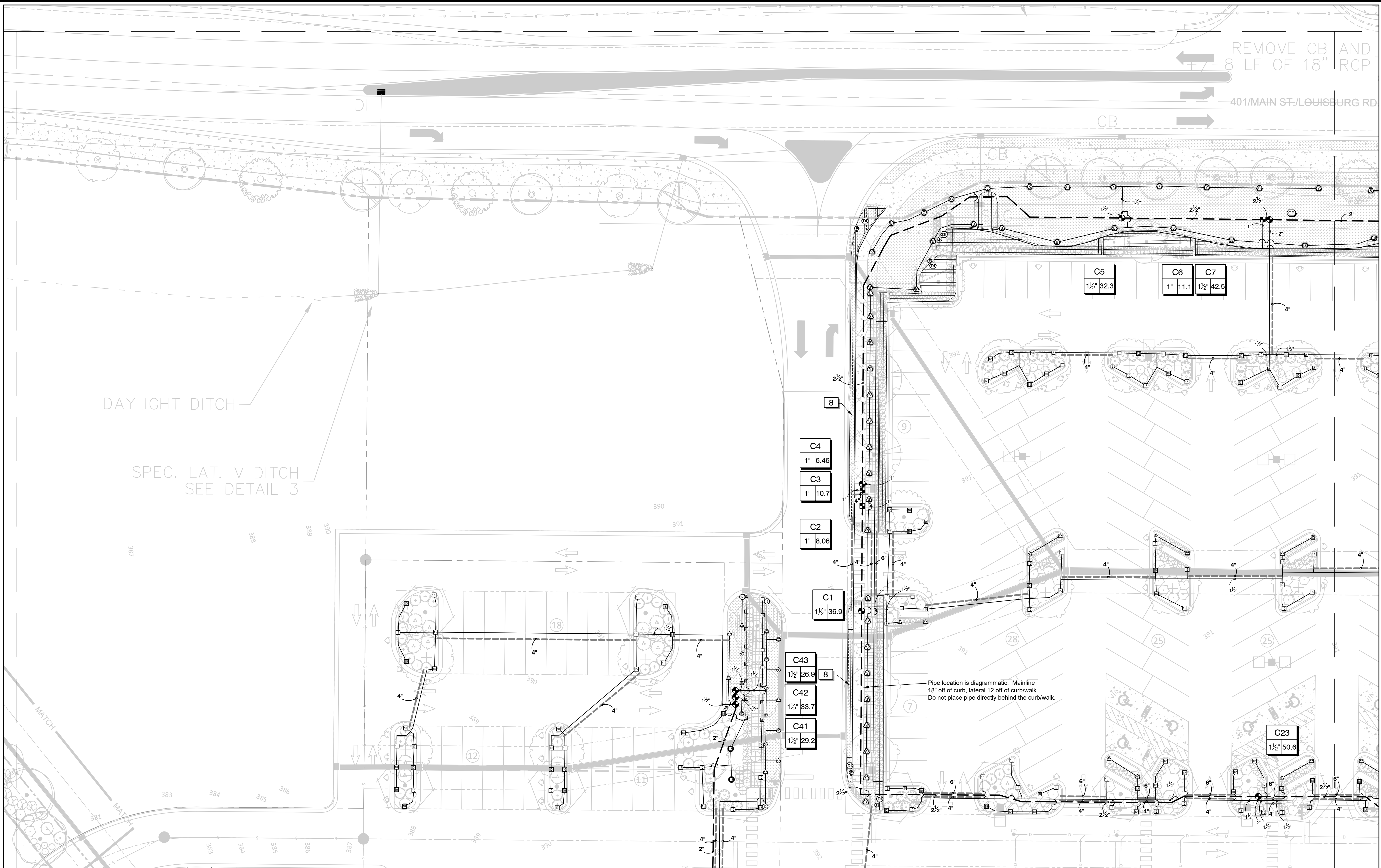
Project Manager:	BCF
Drawn By:	DLC
Checked By:	STA
Project Number:	21089 / 22012
Drawing Number:	D-1219-CD
Date:	October 26, 2023

IR1.13
SDP



10/26/2023

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REMOVE CB AND
7-8 LF OF 18" RCP

401/MAIN ST./LOUISBURG RD

DAYLIGHT DITCH

SPEC. LAT. V DITCH
SEE DETAIL 3

C4
1" 6.46
C3
1" 10.7

C2
1" 8.06

C1
1 1/2" 36.9

C43
1 1/2" 26.9
C42
1 1/2" 33.7
C41
1 1/2" 29.2

C5
1 1/2" 32.3

C6
1" 11.1

C7
1 1/2" 42.5

C23
1 1/2" 50.6

Pipe location is diagrammatic. Mainline
18" off of curb, lateral 12 off of curb/walk.
Do not place pipe directly behind the curb/walk.

REVISIONS:

CROSLAND SOUTHEAST

ENHANCED IRRIGATION PLAN - SOUTHWEST

PUBLIC AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS

Town of Rolesville Project No. SDP 23-05 & CID 23-01

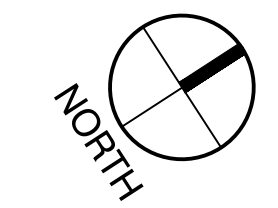
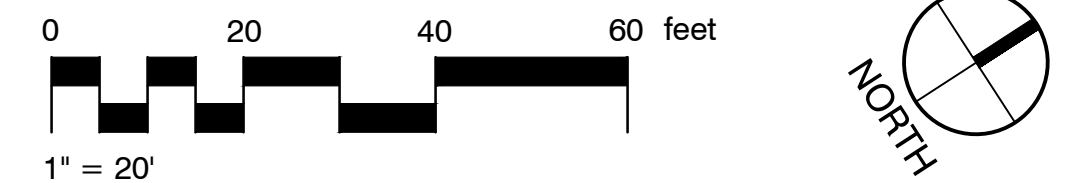
S. Main St. / US 401 and Virginia Water Drive
Rolesville, Wake County, North Carolina

NC License: P-1199

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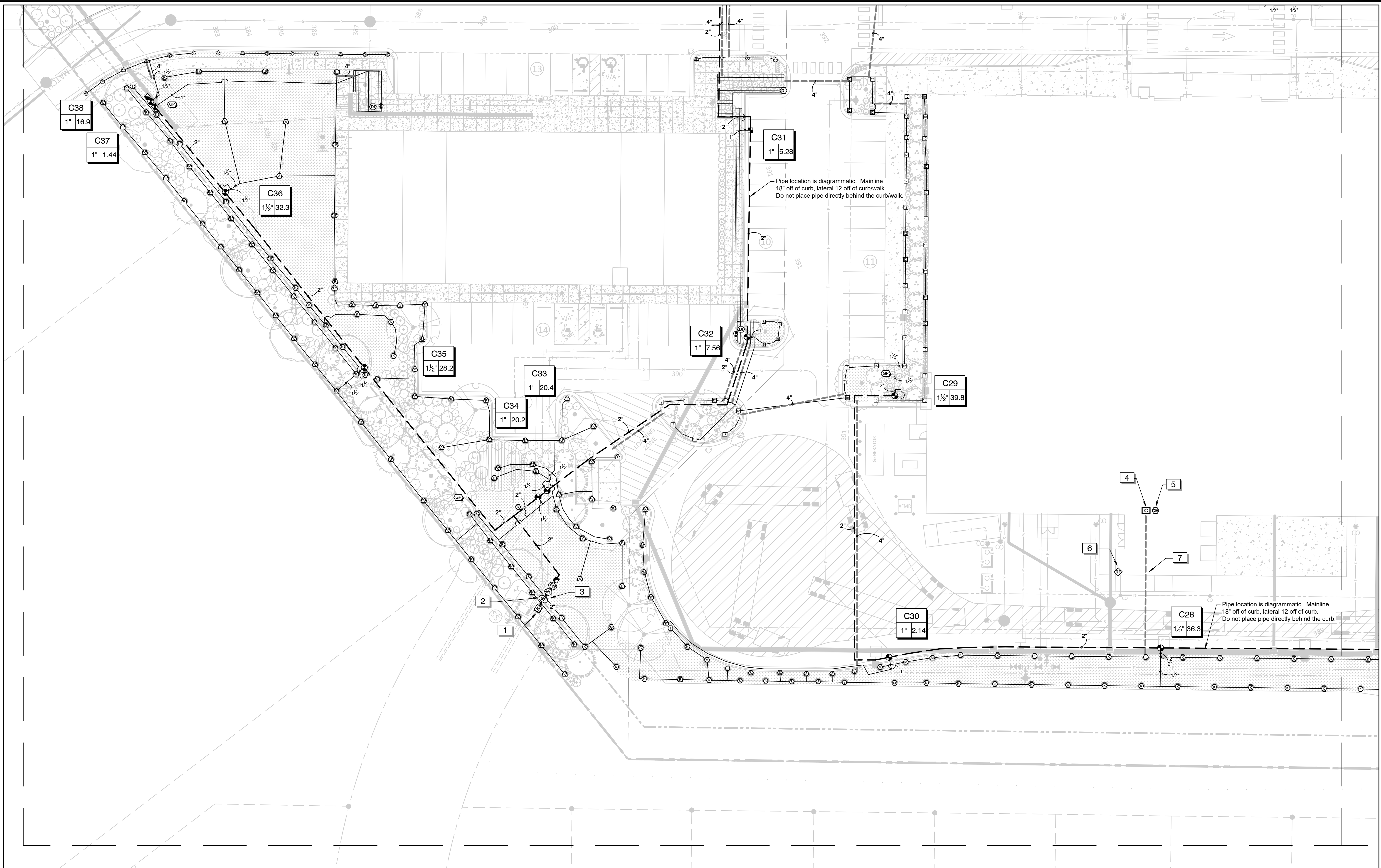
Project Manager: BCF
 Drawn By: DLC
 Checked By: STA
 Project Number: 21089 / 22012
 Drawing Number: D-1219-CD
 Date: October 26, 2023



IR1.14

SDP

2: 14-NOV-23 ISSUED FOR CONSTRUCTION
 1: 26-OCT-23 SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
 1: DATE DESCRIPTION



NO.	DATE	DESCRIPTION
1	26-OCT-23	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
2	14-NOV-23	ISSUED FOR CONSTRUCTION

REVISIONS:

CROSLAND SOUTHEAST

**ENHANCED IRRIGATION PLAN - SOUTHEAST
PUBLIC AT WALLBROOK AND
WALLBROOK ROADWAY IMPROVEMENTS**
Town of Rolesville Project No. SDP 23-05 & CID 23-01
S. Main St. / US 401 and Virginia Water Drive
Rolesville, Wake County, North Carolina

NC License: P-1199

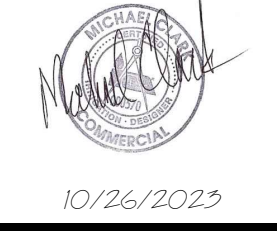
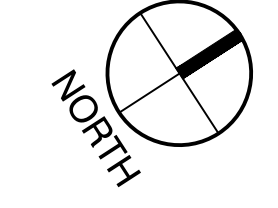
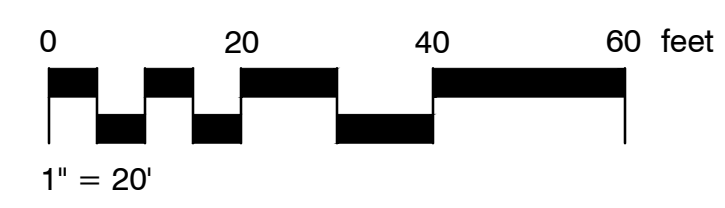
ARK CONSULTING GROUP, P.L.C.
ENGINEERS & PLANNERS

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Greenville, NC 27858
(252) 558-0888
www.arkconsultinggroup.com

Project Manager:	BCF
Drawn By:	DLC
Checked By:	STA
Project Number:	21089 / 22012
Drawing Number:	D-1219-CD
Date:	October 26, 2023

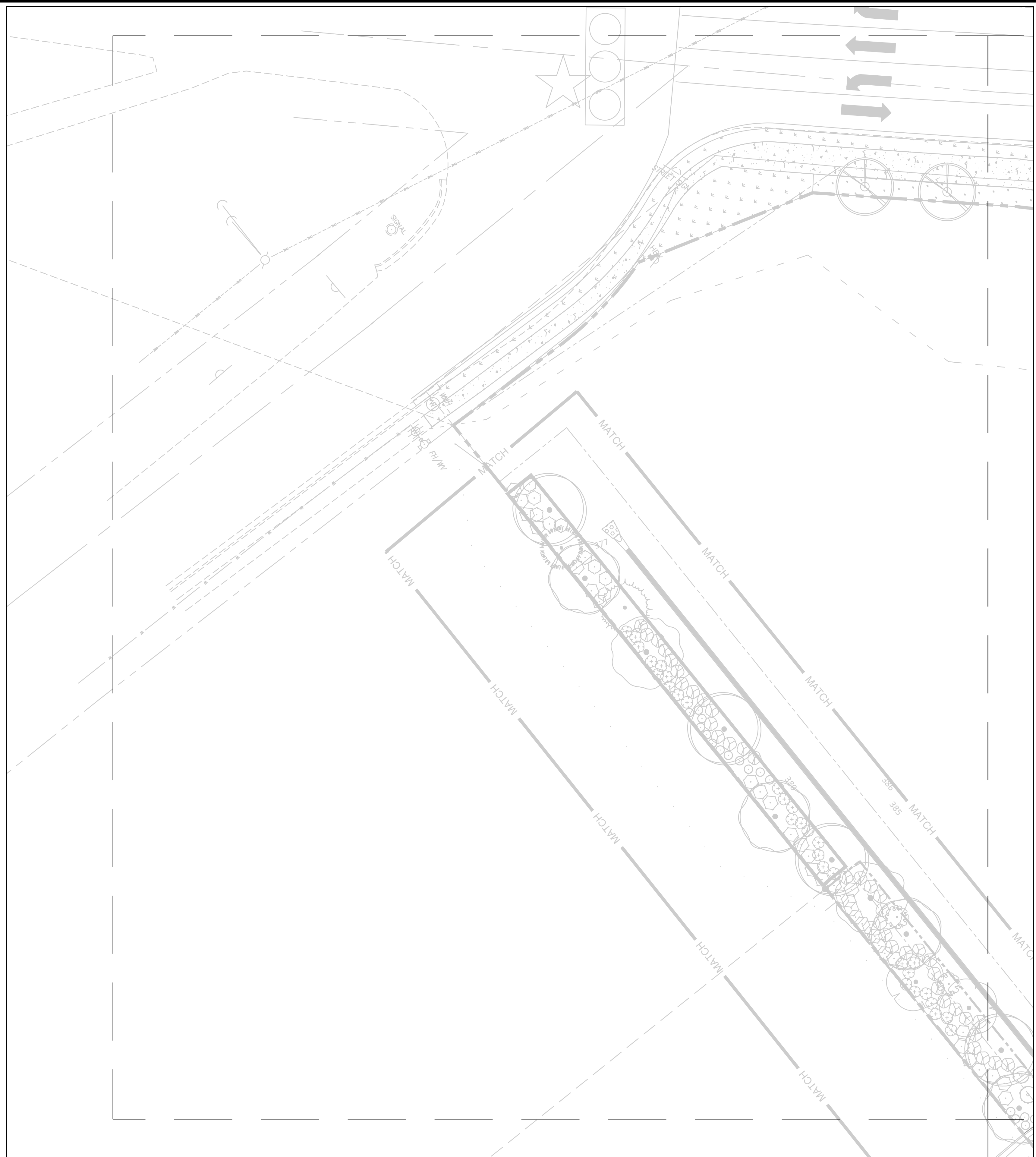
IR1.15

SDP



10/26/2023

D:\CADD\COMMERCIAL\PROJECTS\SEWER\WALLBROOK\DESIGN\FILES\22007_IRRIGATION_2-1-23.DWG, R115, Michae Oak, Wed, Nov 15, 2023 @ 2:51 PM



NO.	DATE	DESCRIPTION
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2	14-NOV-23	ISSUED FOR CONSTRUCTION

REVISIONS:

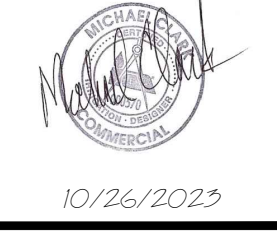
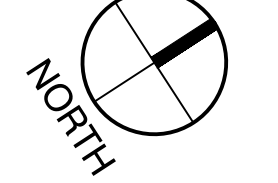
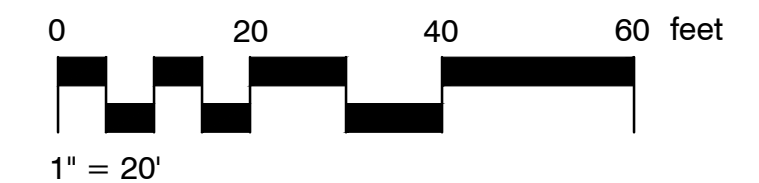
CROSLAND SOUTHEAST

ENHANCED IRRIGATION PLAN - SOUTHWEST
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
 Town of Rolesville Project No. SDP 23-05 & CID 23-01
 S Main St. / US 401 and Virginia Water Drive
 Rolesville, Wake County, North Carolina

NC License: P-1199
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 Greenville, NC 27858
 (252) 558-0888
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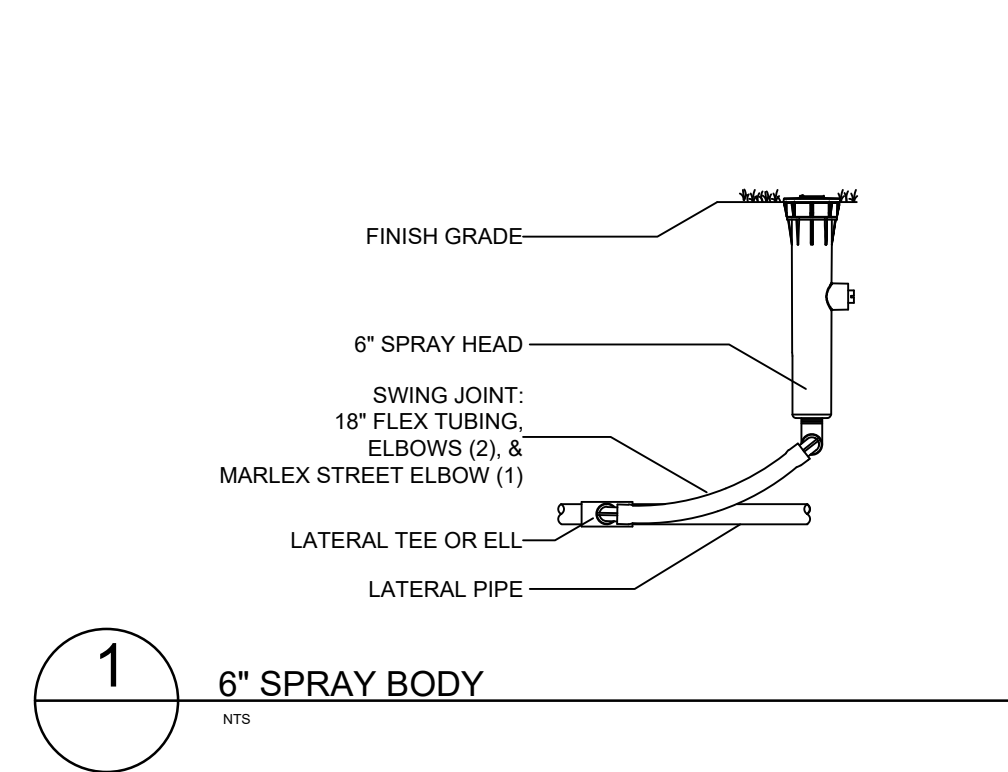
Project Manager:	BCF
Drawn By:	DLC
Checked By:	STA
Project Number:	21089 / 22012
Drawing Number:	D-1219-CD
Date:	October 26, 2023

IR1.16
SDP

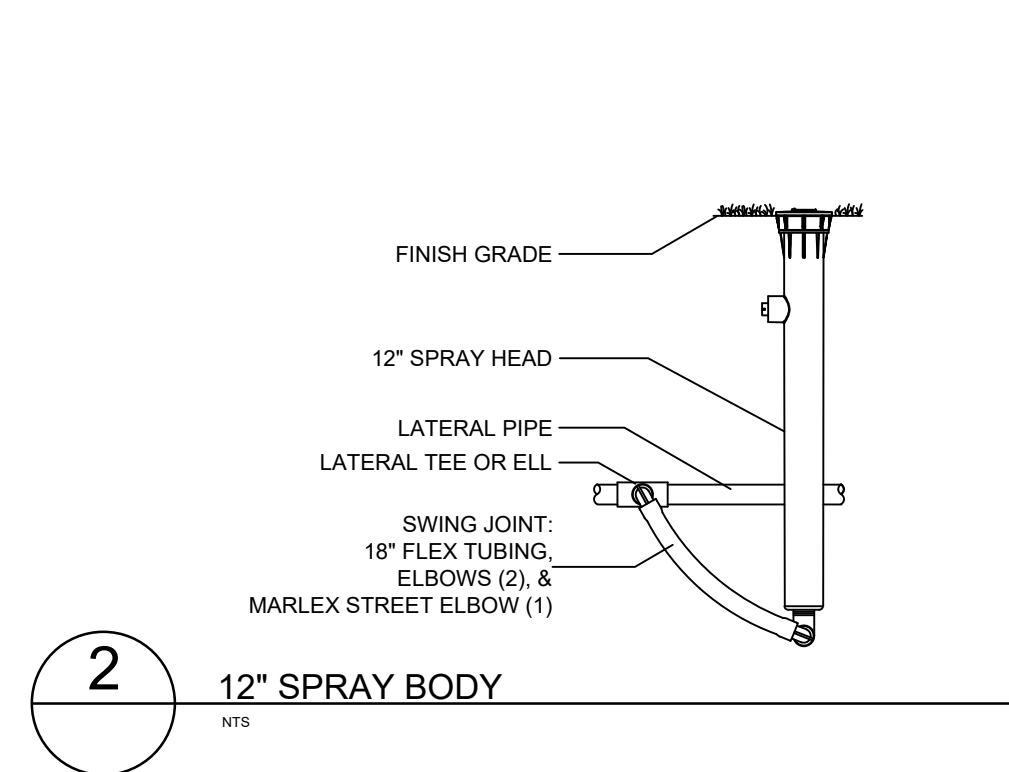


10/26/2023

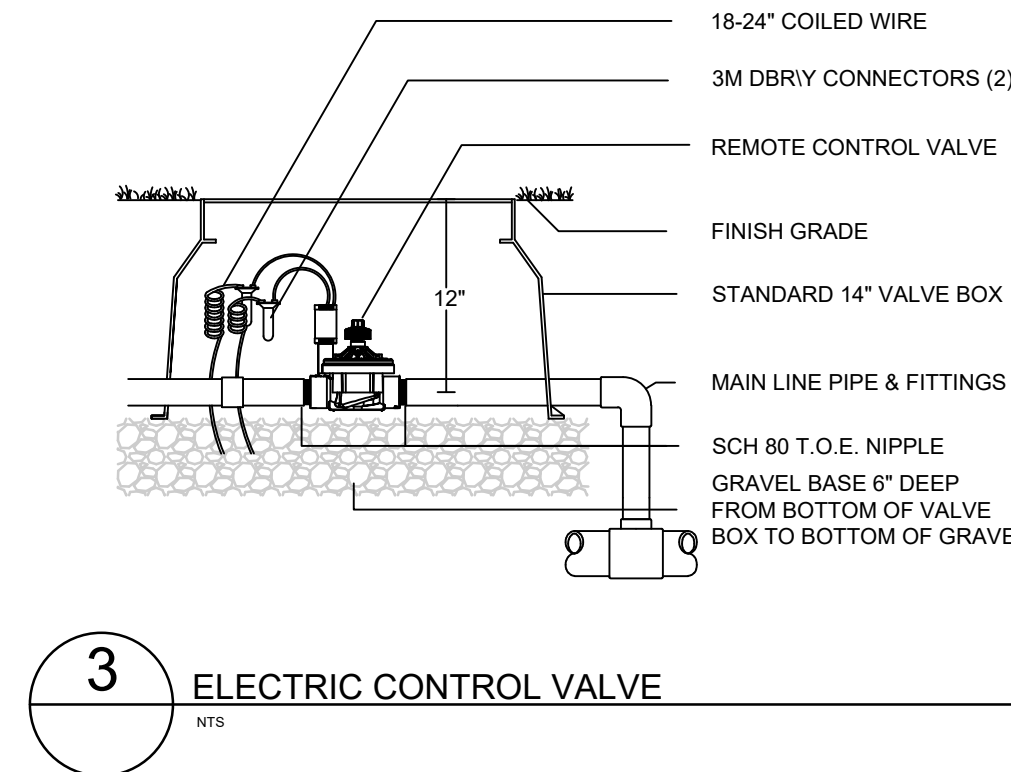
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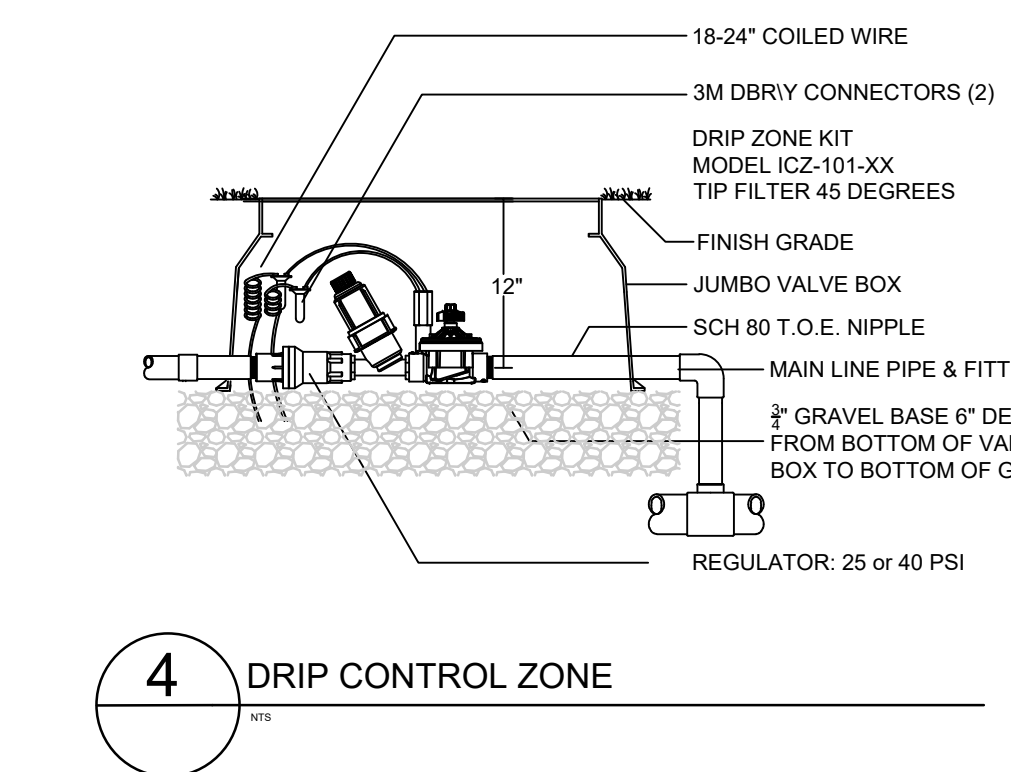
1 6" SPRAY BODY
NTS



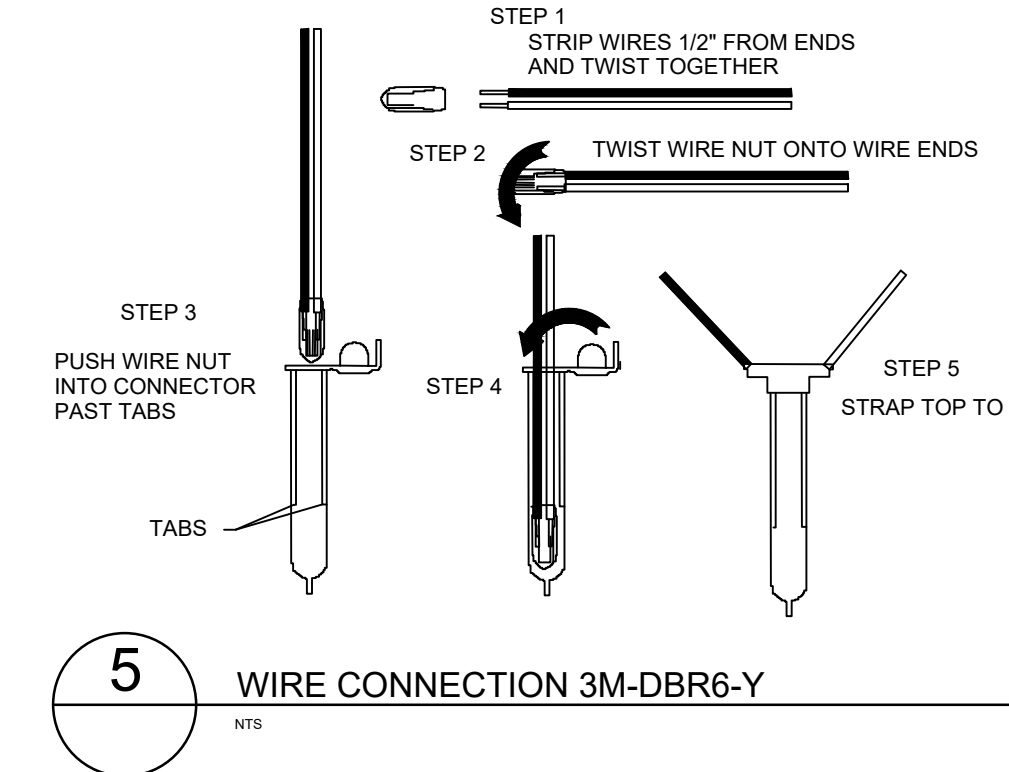
2 12" SPRAY BODY
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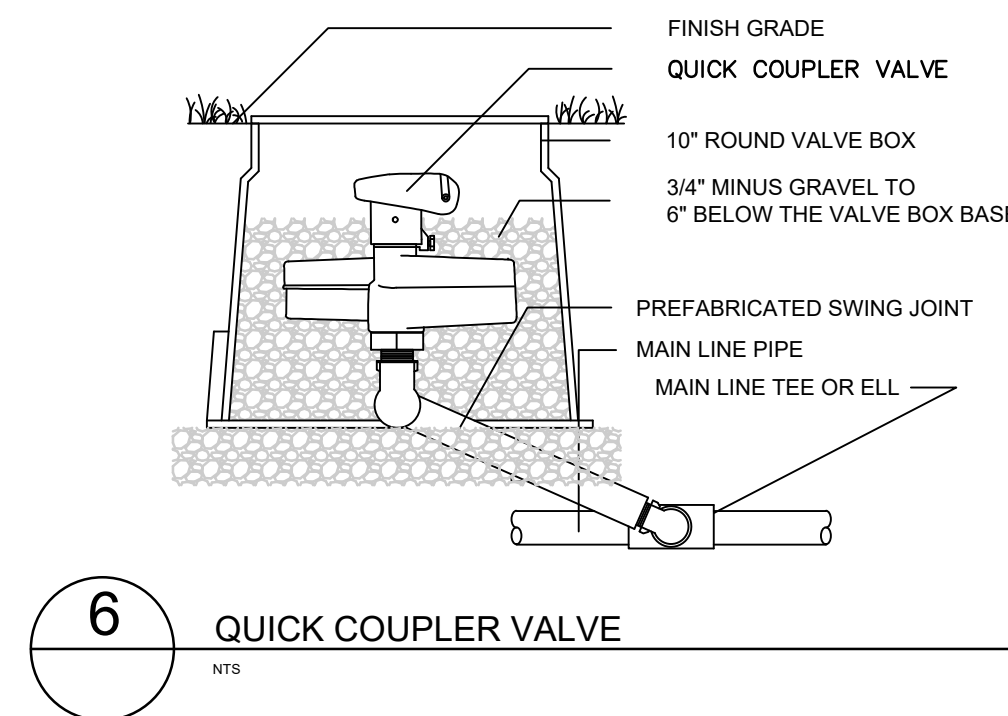
3 ELECTRIC CONTROL VALVE
NTS



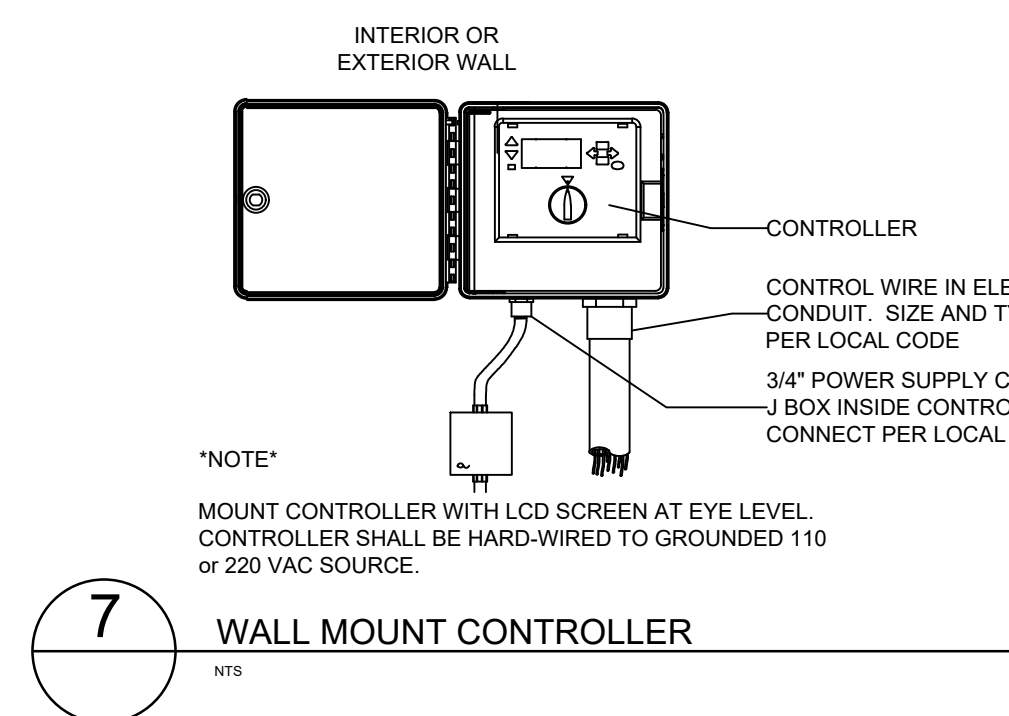
4 DRIP CONTROL ZONE
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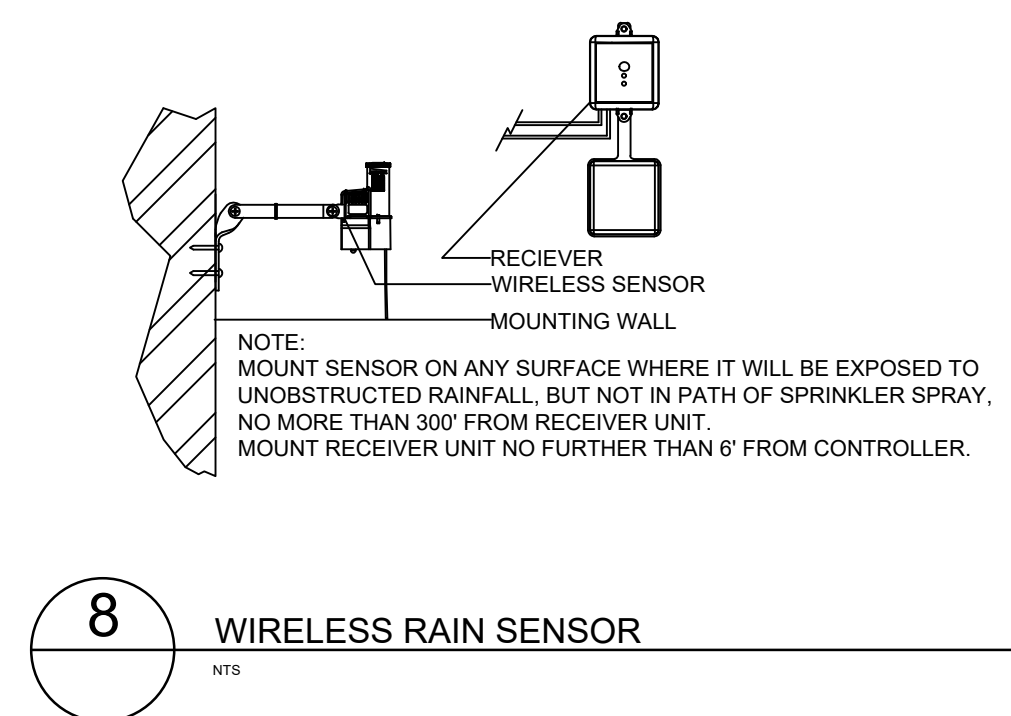
5 WIRE CONNECTION 3M-DBR6-Y
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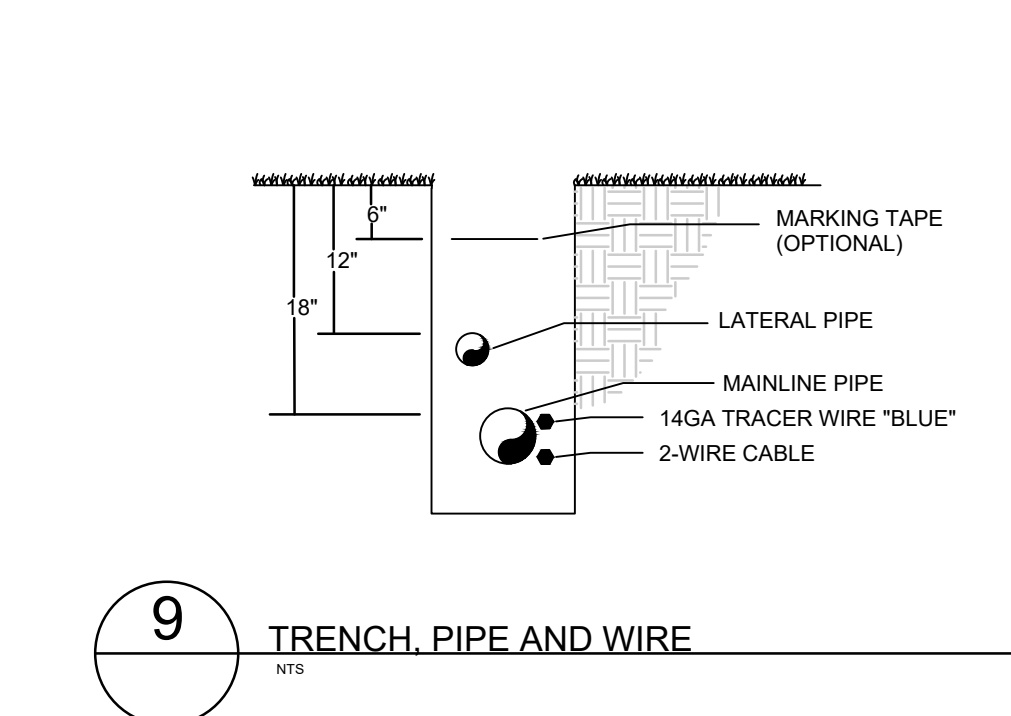
6 QUICK COUPLER VALVE
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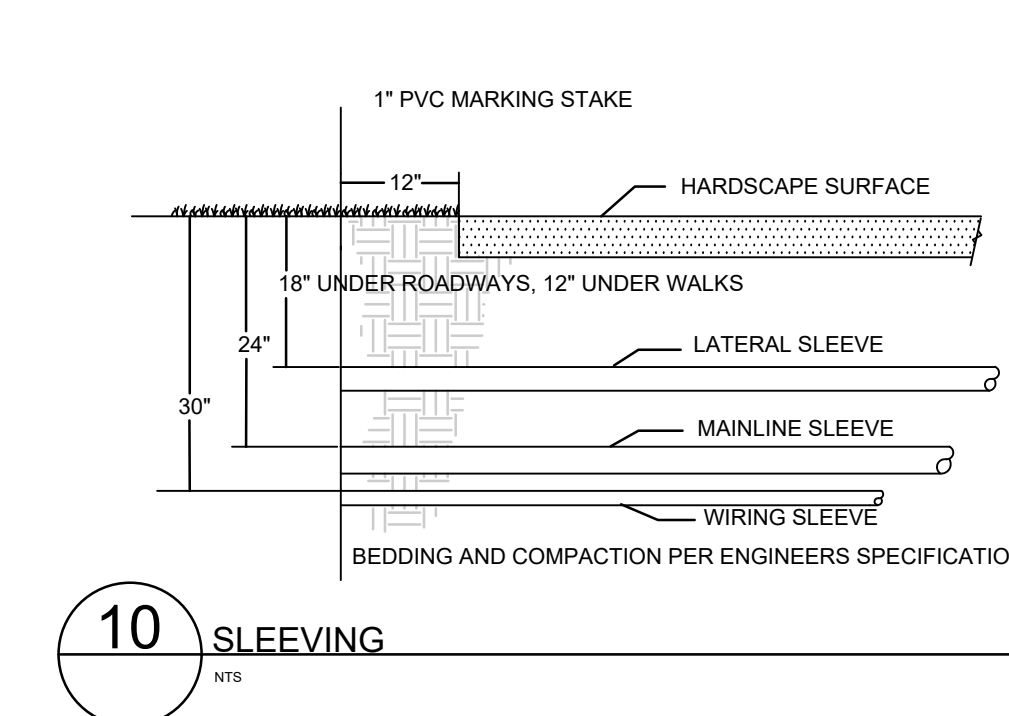
7 WALL MOUNT CONTROLLER
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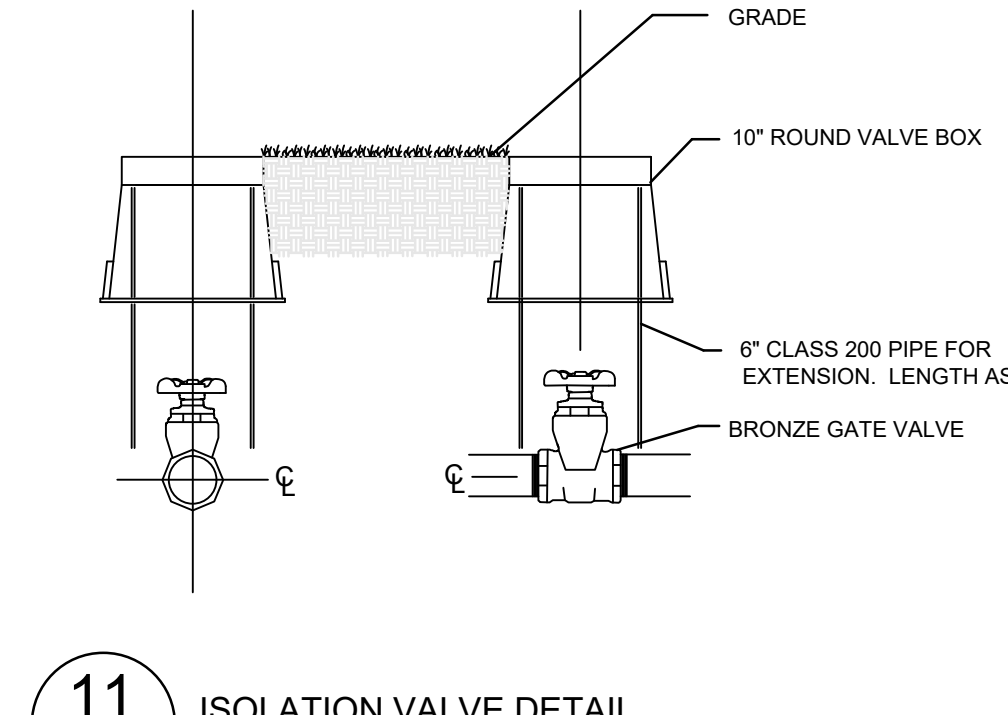
8 WIRELESS RAIN SENSOR
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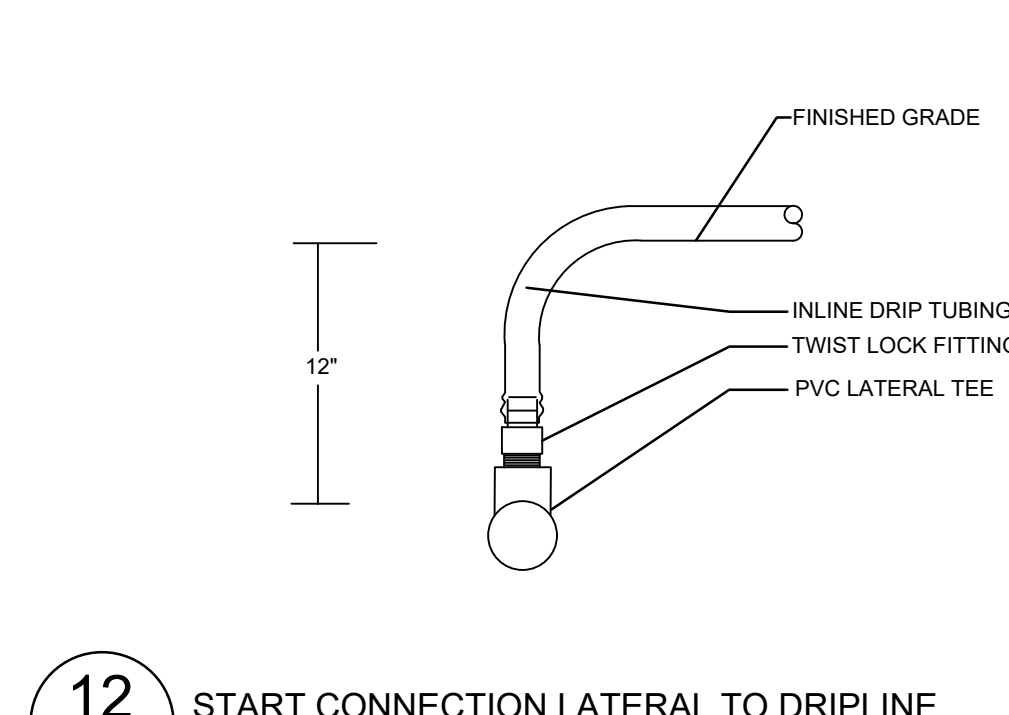
9 TRENCH, PIPE AND WIRE
NTS



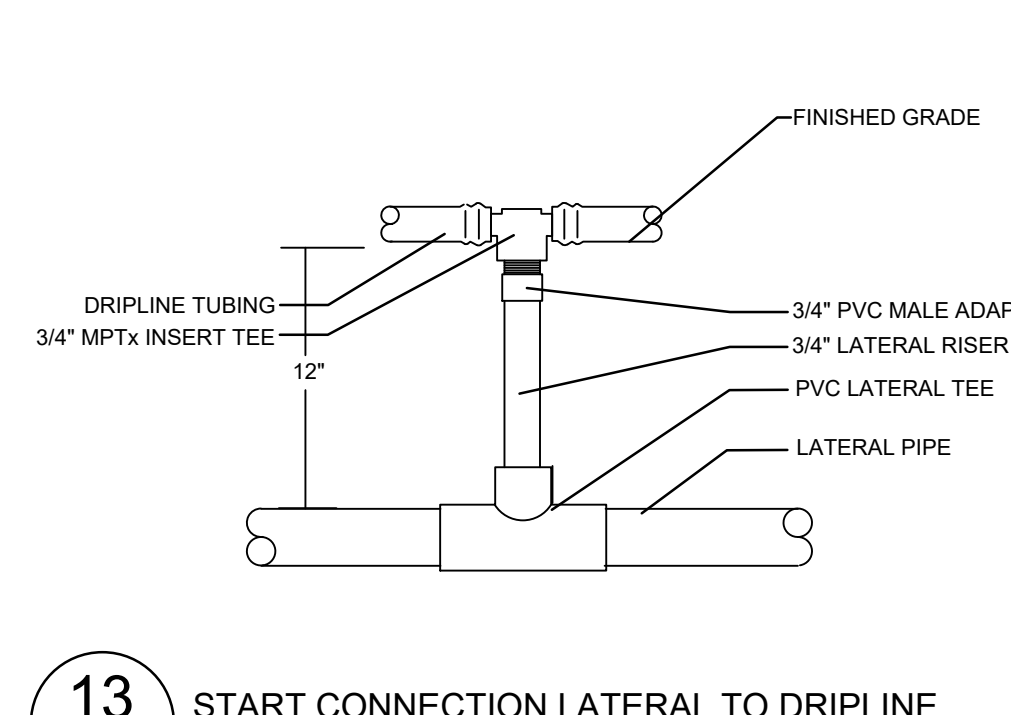
10 SLEEVING
NTS



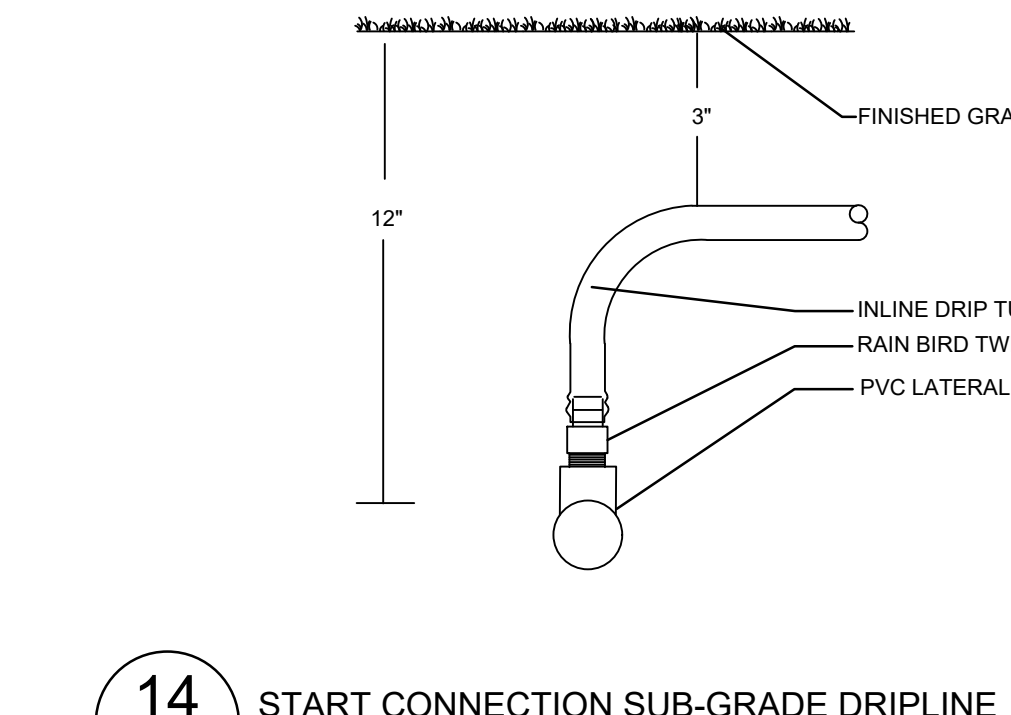
11 ISOLATION VALVE DETAIL
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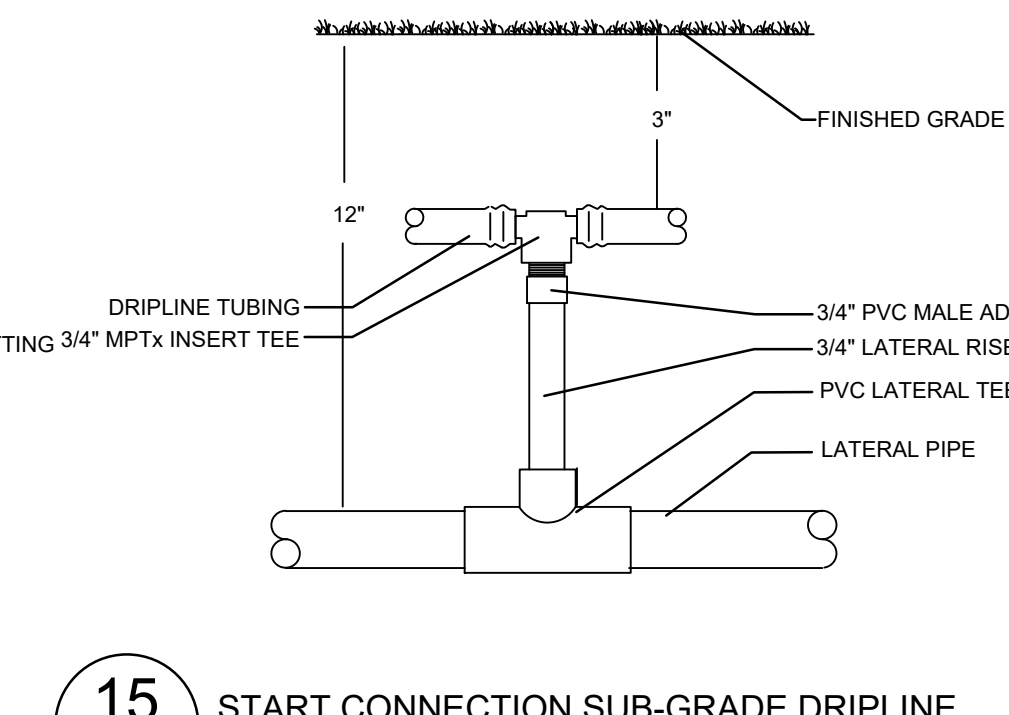
12 START CONNECTION LATERAL TO DRIPLINE
NTS



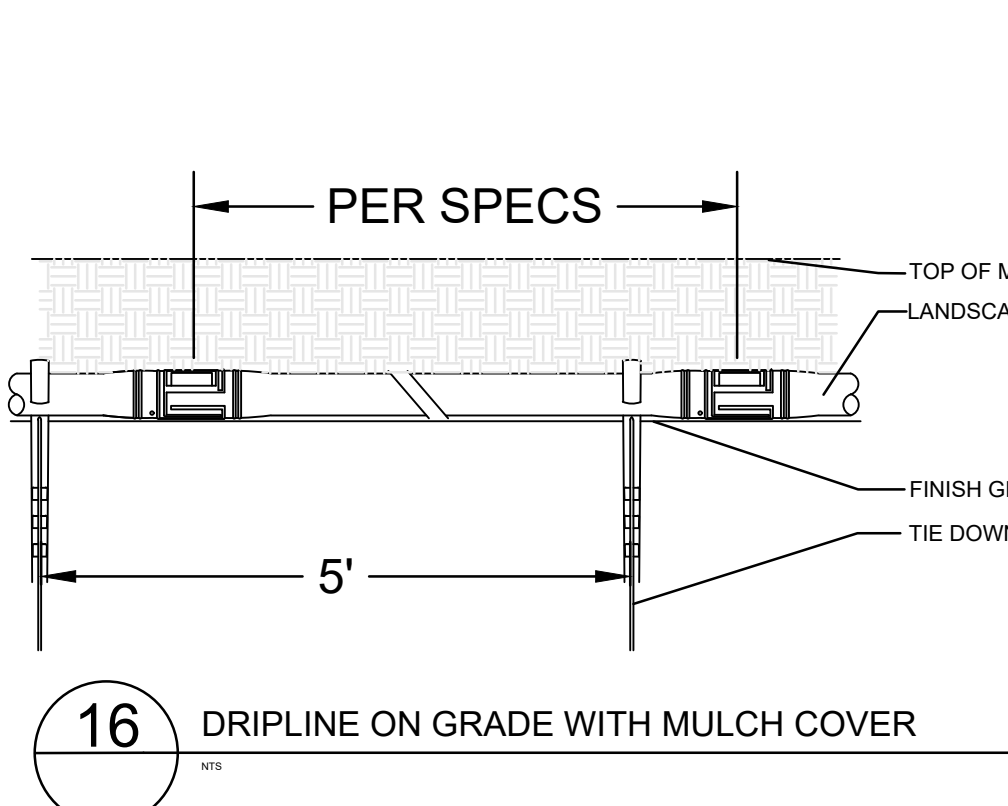
13 START CONNECTION LATERAL TO DRIPLINE
(WITH PVC RISER)
NTS



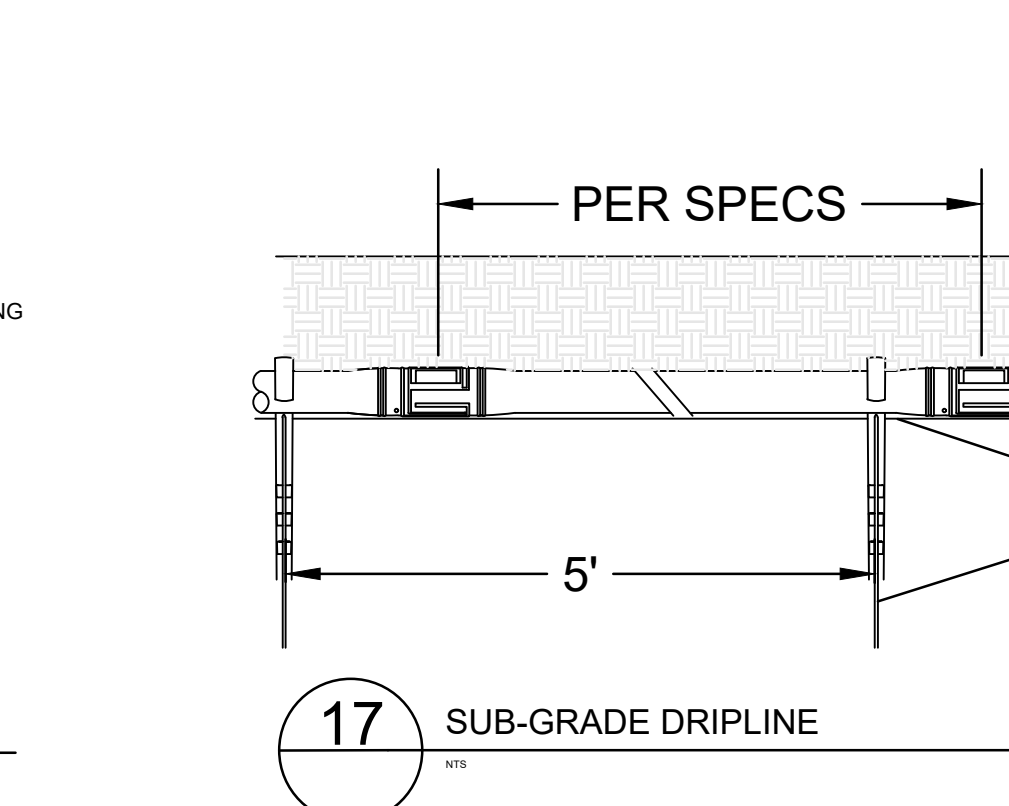
14 START CONNECTION SUB-GRADE DRIPLINE
(WITH PVC RISER)
NTS



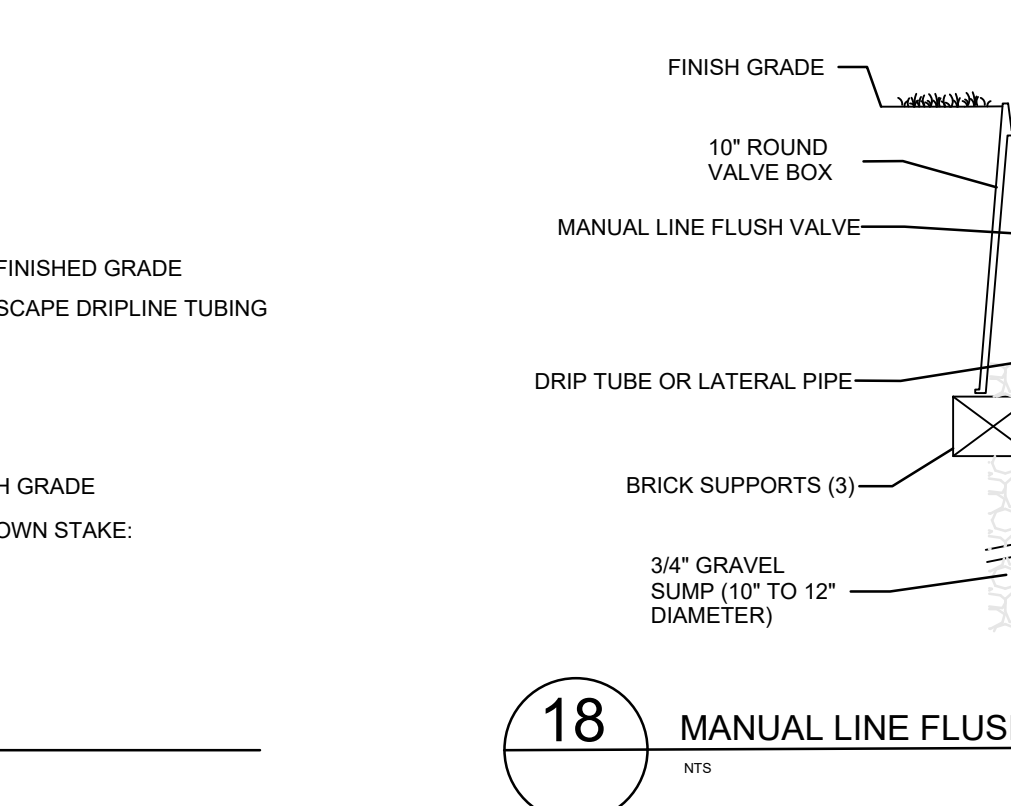
15 START CONNECTION SUB-GRADE DRIPLINE
(WITH PVC RISER)
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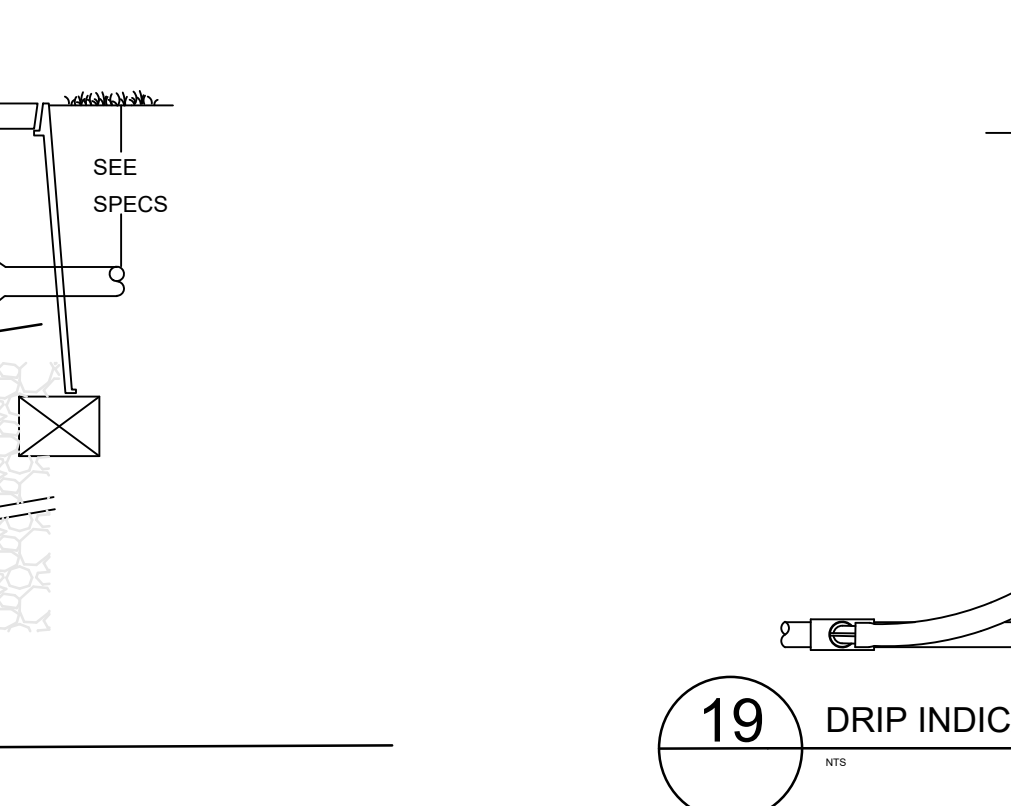
16 DRIPLINE ON GRADE WITH MULCH COVER
NTS



17 SUB-GRADE DRIPLINE
NTS



18 MANUAL LINE FLUSHING VALVE
NTS



19 DRIP INDICATOR
NTS

NO.	DATE	DESCRIPTION
1	25-OCT-23	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
2	14-NOV-23	ISSUED FOR CONSTRUCTION

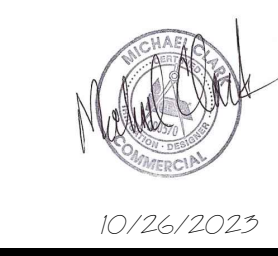
REVISIONS:
CROSLAND SOUTHEAST

ENHANCED IRRIGATION DETAILS
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
Town of Rolesville Project No. SDP 23-05 & CID 23-01
Rolesville, Wake County, North Carolina
S. Main St. / US 401 and Virginia Water Drive

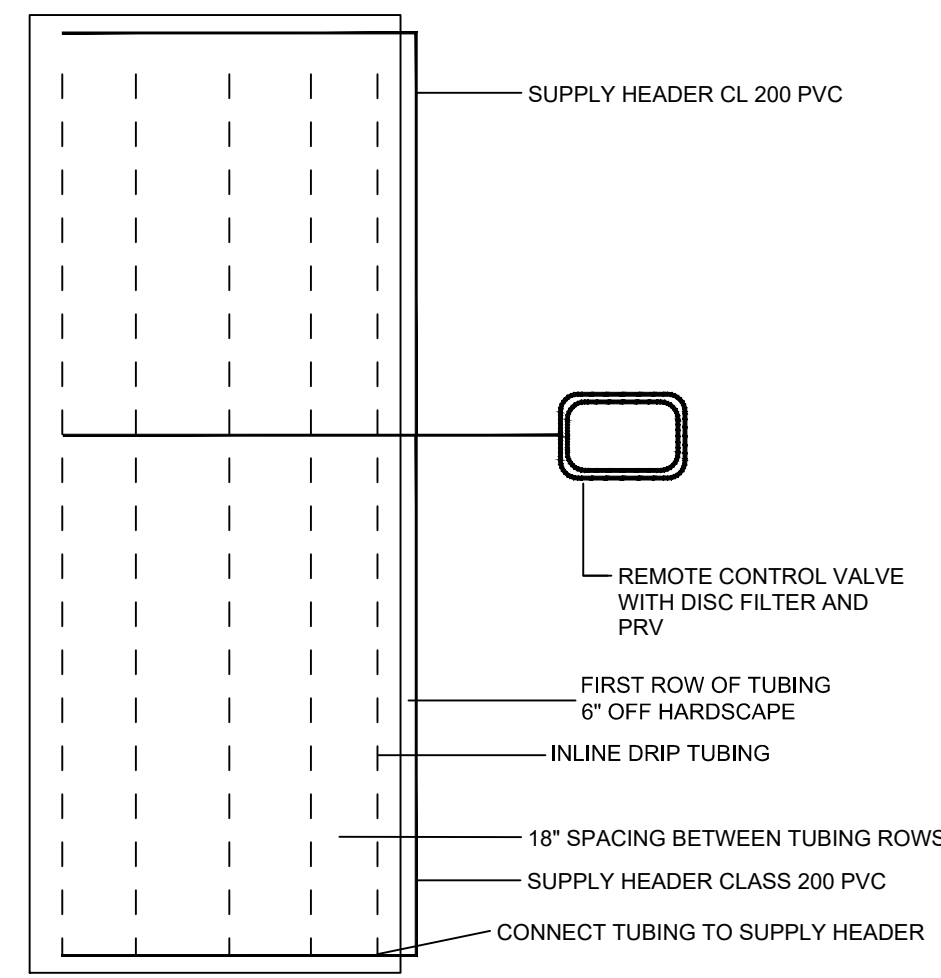
NC License: P-1199
ARK CONSULTING GROUP, LLC
ENGINEERS & PLANNERS
2755-B Charles Blvd.
Greenville, NC 27858
(252) 558-0888
www.arkconsultinggroup.com

Project Manager: BCF
Drawn By: DLC
Checked By: STA
Project Number: 21089 / 22012
Drawing Number: D-1219-CD
Date: October 26, 2023

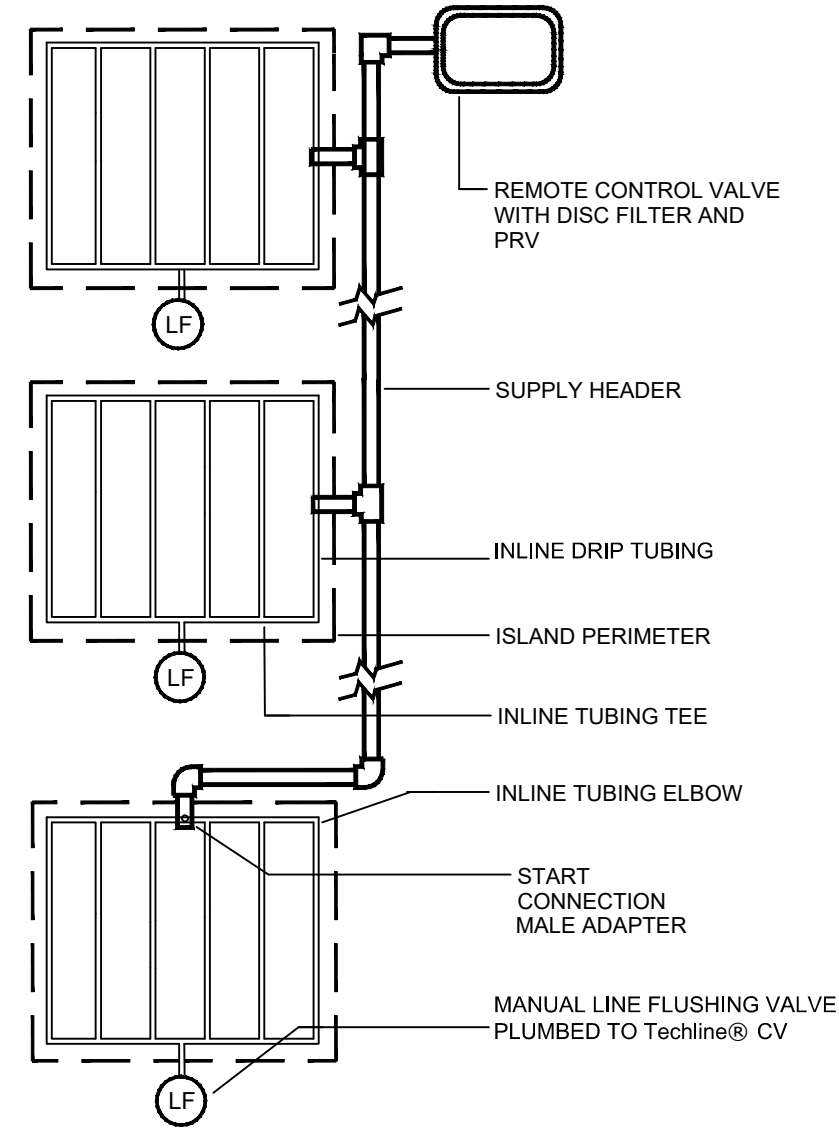
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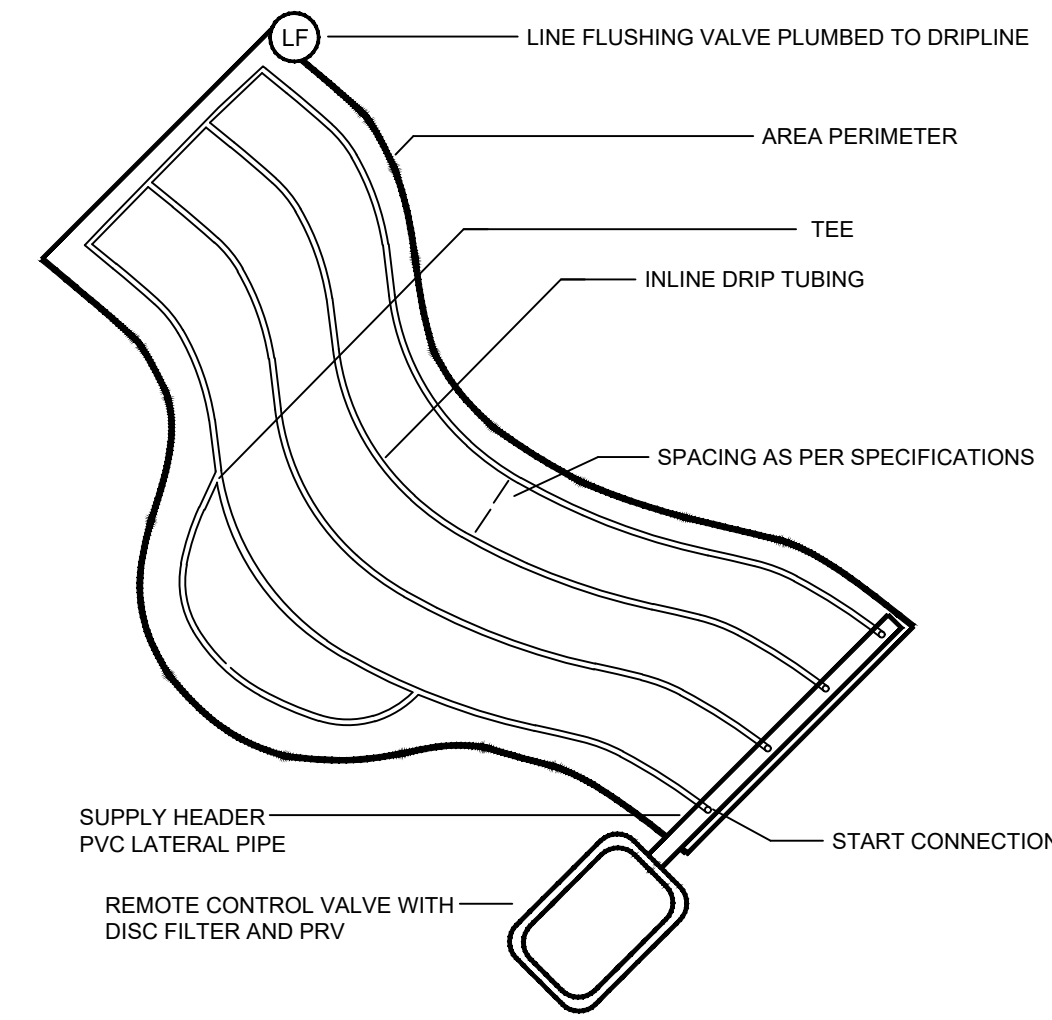
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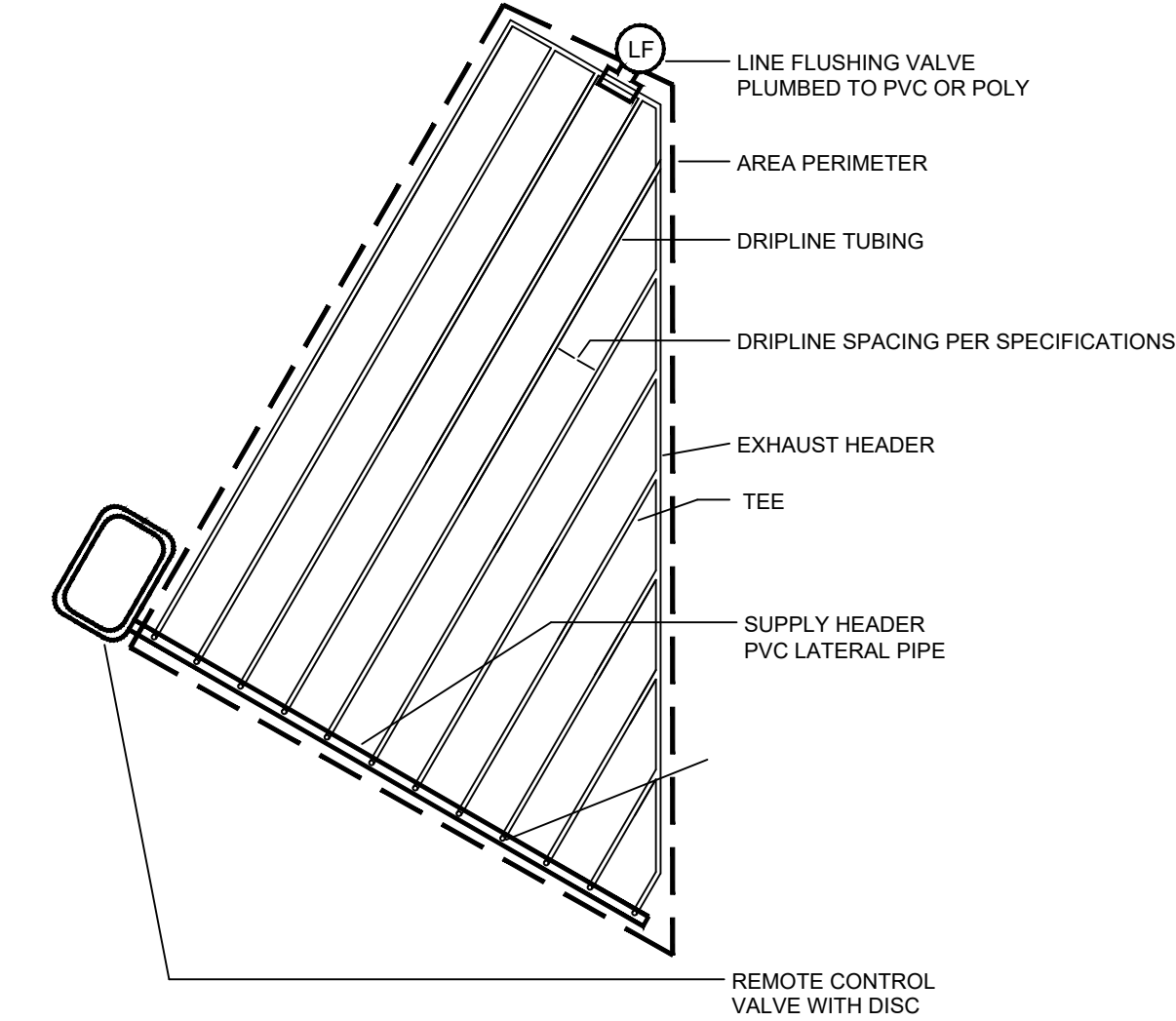
20 INLINE DRIP TUBING FOR SHRUBS
NTS



21 ISLAND LAYOUT
NTS

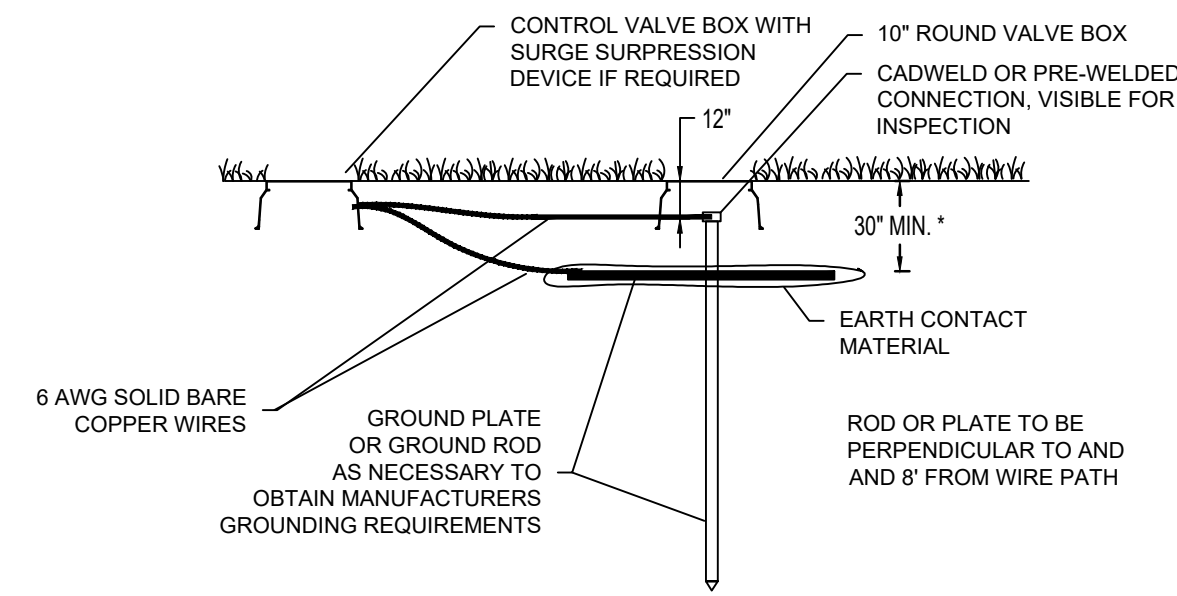


22 IRREGULAR AREA
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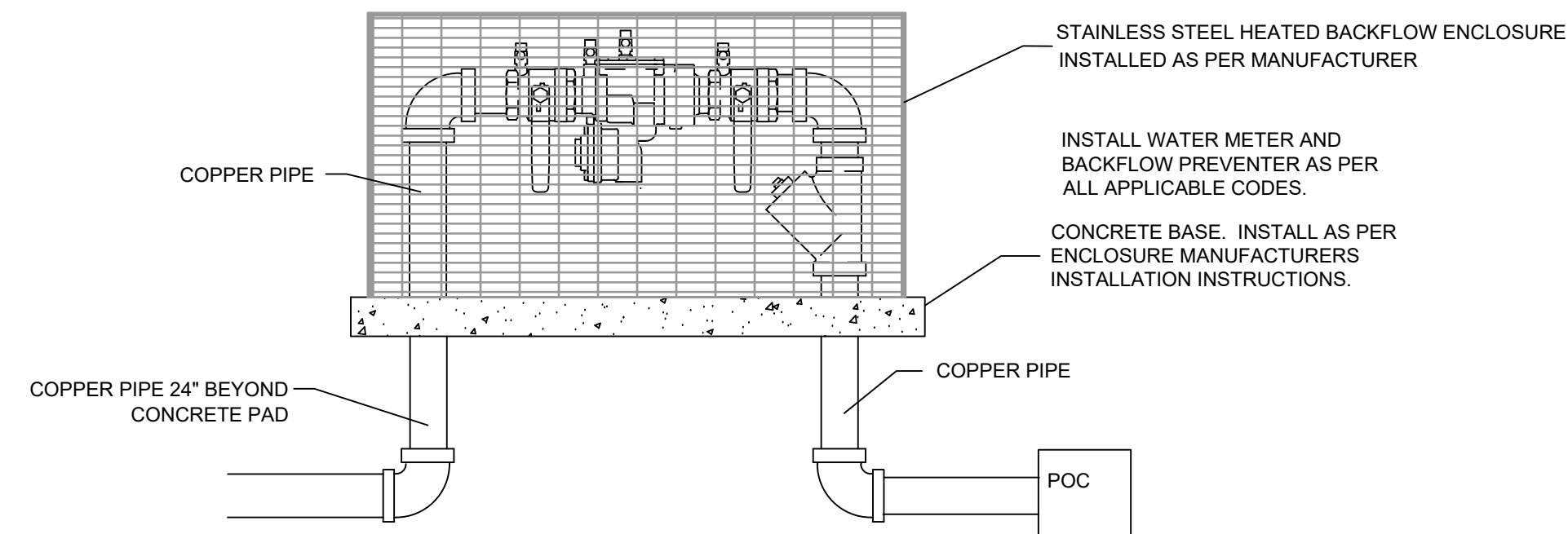


23 IRREGULAR AREA
NTS

SIDE VIEW



24 TWO WIRE GROUNDING POINT DETAIL
NTS



25 RPZ BACKFLOW PREVENTER WITH ENCLOSURE
NTS

NO.	DATE	DESCRIPTION
1	26-OCT-23	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
2	14-NOV-23	ISSUED FOR CONSTRUCTION

REVISIONS:

CROSLAND SOUTHEAST

ENHANCED IRRIGATION DETAILS

PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS

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Project Manager:	BCF
Drawn By:	DLC
Checked By:	STA
Project Number:	21089 / 22012
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SDP



10/26/2023

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GENERAL

- 1. THESE GENERAL NOTES ARE NOT INTENDED TO REPLACE SPECIFICATIONS (IF PROVIDED). SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO THE GENERAL NOTES.
2. DO NOT SCALE DIMENSIONS FROM DRAWINGS. THE CONTRACTOR SHALL REQUEST NECESSARY DIMENSIONS NOT SHOWN ON THE DRAWINGS.
3. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY REFERENCED ON THE DRAWINGS.
4. WHERE A CONFLICT BETWEEN DRAWINGS AND SPECIFICATIONS OCCURS THE MORE STRINGENT REQUIREMENT SHALL APPLY.
5. IF ANY BIDDER IS IN DOUBT AS TO THE INTENT OF THE DRAWINGS OR SPECIFICATIONS, THEY SHALL REQUEST AN INTERPRETATION IN WRITING PRIOR TO THE SCHEDULED BID DATE.
6. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND GRADE CONDITIONS (BOTH NEW AND EXISTING), REPORTING ANY DISCREPANCIES TO THE ENGINEER OF RECORD PRIOR TO FABRICATION OR PROCEEDING WITH STRUCTURAL WORK.
7. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS, AND REPORT ANY DISCREPANCIES TO THE ENGINEER OF RECORD PRIOR TO FABRICATION OR PROCEEDING WITH STRUCTURAL WORK.
8. SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS, FLOOR SLOPES, AND THE LOCATION OF DEPRESSED FLOOR AREAS.

CONTRACTOR RESPONSIBILITY

- 1. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS (IF PROVIDED) REPRESENT THE FINISHED STRUCTURE, AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCE. ALL APPLICABLE SAFETY REGULATIONS TO BE FOLLOWED STRICTLY.
2. THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE. APPLICATIONS OF CONSTRUCTION LOADS TO THE PARTIALLY COMPLETED STRUCTURE SHALL BE CONSIDERED BY THE CONTRACTOR AND SO INCLUDED IN THE DESIGN OF SHORING, BRACING, FORMWORK, AND ANY OTHER SUPPORTING ELEMENTS PROVIDED FOR CONSTRUCTION OF THE STRUCTURE. DURING ERECTION AND UNTIL ALL PERMANENT CONNECTIONS ARE MADE, THE CONTRACTOR MUST PROVIDE TEMPORARY BRACING FOR THE STRUCTURE IN ALL DIRECTIONS UNTIL THE STRUCTURAL WORK IS COMPLETE.
3. ALL INTERIOR HANGING COMPONENTS (CEILING, DUCTWORK, PIPING, EQUIPMENT, ETC.) SHALL BE COORDINATED BY THE CONTRACTOR TO ENSURE LOADS APPLIED TO THE STRUCTURE DO NOT EXCEED THE LIMITS SHOWN IN THE DESIGN CRITERIA OR ELSEWHERE IN THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ADEQUACY OF THE CONNECTIONS TO THE SUPPORTING STRUCTURAL ELEMENTS AND THE ADEQUACY OF THE HANGING SYSTEM TO SUPPORT THE COMPONENTS.
4. ALL ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING COMPONENTS NOT SHOWN ON THE STRUCTURAL DRAWINGS, THAT FRAME TO THE UNDERSIDE OF STRUCTURE ABOVE, SHALL BE DETAILED AND FRAMED BY THE CONTRACTOR TO ALLOW FOR DEFLECTION OF THE STRUCTURAL FRAMING. SEE THE DESIGN CRITERIA FOR THE LIMITS USED IN THE DESIGN.
5. PRINCIPAL OPENINGS IN THE STRUCTURE ARE SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL EXAMINE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ALL REQUIRED OPENINGS. SUPPORT FRAMING FOR ALL OPENINGS SHALL BE PROVIDED AND INSTALLED PER TYPICAL DETAILS HEREIN WHETHER SHOWN ON THESE DRAWINGS OR NOT. THE CONTRACTOR SHALL VERIFY SIZE AND LOCATION OF ALL OPENINGS WITH ALL SUBCONTRACTORS AND THEIR APPROVED SHOP DRAWINGS PRIOR TO CONSTRUCTION.
6. ALL EXTERIOR WALL AND ROOF COMPONENTS AND CLADDING ENGINEERED BY THE COMPONENT MANUFACTURER ARE TO BE DESIGNED BY THE MANUFACTURER'S ENGINEER FOR COMPONENTS AND CLADDING WIND LOADS NOTED IN THE DESIGN CRITERIA.
7. ALL ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING COMPONENTS ARE TO BE ATTACHED AS REQUIRED BY ASCE/SEI 7 CHAPTER 13, "SEISMIC DESIGN REQUIREMENTS FOR NONSTRUCTURAL COMPONENTS". EACH INDIVIDUAL CONTRACTOR RESPONSIBLE FOR THE COMPONENT MUST PROVIDE PROJECT SPECIFIC DESIGN AND DOCUMENTATION PREPARED BY AN ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. CHAPTER 13 DEFINES THE FORCE REQUIRED TO SUPPORT THE COMPONENT FOR THE ANCHORAGE AND BRACING. THE COST OF PREPARING THIS INFORMATION AND DESIGN SHALL BE INCLUDED IN EACH CONTRACTOR'S BID THAT IS PROVIDING THE COMPONENT.
8. SEVERAL ITEMS NOTED HEREIN (WHERE CHECKED) AND IN THE SPECIFICATIONS REQUIRE THE CONTRACTOR TO ENGAGE A PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED, TO PROVIDE DESIGN AND/OR DETAILING OF STRUCTURAL ELEMENTS. SEE INDIVIDUAL NOTES AND SPECIFICATION SECTIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. DELEGATED DESIGN ELEMENTS INCLUDE, BUT ARE NOT LIMITED TO:
- SPECIALTY FOUNDATION SYSTEM
- POST-TENSIONED CONCRETE
- STRUCTURAL PRECAST CONCRETE
- ARCHITECTURAL PRECAST CONCRETE
- STRUCTURAL STEEL (CONNECTIONS)
- PREFABRICATED METAL BUILDING
- STEEL STAIRS AND RAILINGS
- STEEL JOISTS AND STEEL JOIST GIRDERS
- ROOF ANCHORS
- NON-LOAD BEARING COLD-FORMED STEEL
- LOAD BEARING COLD-FORMED STEEL
- LIGHT GAUGE COLD-FORMED STEEL TRUSSES
- PREFABRICATED WOOD TRUSSES
- MECHANICALLY STABILIZED EARTH WALLS
- PERMANENT SOIL SHORING RETENTION SYSTEM
9. THIS PROJECT REQUIRES SPECIAL INSPECTIONS AS DESCRIBED IN CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. SEE STATEMENT OF SPECIAL INSPECTIONS FOR REQUIRED INSPECTIONS. CONTRACTOR SHALL COORDINATE WITH SPECIAL INSPECTOR ALL WORK REQUIRING SPECIAL INSPECTIONS AND TESTING.

DESIGN CRITERIA

- 1. PROJECT LOCATION: ROLESVILLE, NORTH CAROLINA
2. APPLICABLE CODES:
- 2018 NORTH CAROLINA BUILDING CODE (2015 INTERNATIONAL BUILDING CODE WITH REVISIONS)
- MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE/SEI 7-10)
- BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14)
- BUILDING CODE REQUIREMENTS/SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530/530.1-13)
- SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC 360-10)
- NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (ANSI/AWC NDS-2015)
- NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS (AIS1 S100-12)
3. RISK CATEGORY: II
4. LIVE LOADS:
- UNIFORM (PSF)
- CONCENTRATED (LB)
5. SNOW LOAD:
- GROUND SNOW LOAD: ps_g = 15 PSF
- IMPORTANCE FACTOR: I_s = 1.00
- SNOW EXPOSURE FACTOR: C_e = 1.00
- THERMAL FACTOR: C_t = 1.00
- FLAT SNOW ROOF LOAD: ps_r = 15 PSF
6. WIND LOAD:
- ULTIMATE DESIGN WIND SPEED: V_uh = 115 MPH (NOMINAL DESIGN WIND SPEED, V_ref = 89 MPH)
- SERVICABILITY WIND SPEED: V = 76 MPH (MEAN RECURRENCE INTERVAL OF 10 YEARS)
- EXPOSURE CATEGORY: B
- INTERNAL PRESSURE COEFFICIENTS: +/- 0.18
7. SEISMIC LOAD:
- DESIGN METHOD - EQUIVALENT LATERAL FORCE PROCEDURE
- S_s = 14.4 %g
- S_1 = 7.3 %g
- S_DS = 15.4 %g
- S_D1 = 11.6 %g
- IMPORTANCE FACTOR: I_e = 1.00
- SITE CLASS: D (ASSUMED)
- SEISMIC DESIGN CATEGORY: B
8. FUTURE LOADS:
- UNLESS SPECIFICALLY NOTED, THERE ARE NO PROVISIONS MADE FOR FUTURE FLOORS, ROOFS, OR OTHER LOADS.

FOUNDATIONS

- 1. FOUNDATION DESIGN IS BASED ON A PRESUMPTIVE NET ALLOWABLE SOIL BEARING PRESSURE OF 2,000 PSF, ACCORDING TO TABLE 1806.2 OF THE INTERNATIONAL BUILDING CODE. THIS PRESUMPTIVE BEARING PRESSURE MUST BE FIELD VERIFIED BY A GEOTECHNICAL ENGINEER PRIOR TO FOUNDATION CONCRETE PLACEMENT. THE STRUCTURE AND SITE SATISFY THE FOLLOWING CRITERIA FOR THE USE OF TABLE 1806.2: COLUMN LOADS ARE LESS THAN 50 KIPS, WALL LOADS ARE LESS THAN 3 KLF, AND FINISHED GRADES DO NOT DIFFER FROM NATURAL GRADE BY MORE THAN 5 FEET.
2. FOOTINGS SHALL BE CARRIED TO LOWER ELEVATIONS THAN THOSE SHOWN ON THE DRAWINGS IF REQUIRED BY THE GEOTECHNICAL ENGINEER OR TESTING LAB TO REACH SOIL CAPABLE OF PROVIDING THE DESIGN NET ALLOWABLE SOIL BEARING PRESSURE. ALL EXPANSIVE AND/OR LOOSE SOILS BELOW STRUCTURAL FOUNDATIONS SHALL BE REMOVED AND REPLACED AS DIRECTED HEREIN.
3. MINIMUM SUBGRADE PREPARATION REQUIREMENTS ARE AS FOLLOWS:
- 1. PREPARE SUBGRADE AND UNDERFLOOR FLAT TO A POINT THAT EXTENDS 3'-0" (MINIMUM) BEYOND THE LIMITS OF THE FOUNDATIONS.
- 2. PLACE IN LIFTS OF 8" (MAXIMUM) LOOSE THICKNESS WHEN USING LARGE RIDING COMPACTORS (REDUCE THICKNESS AS NECESSARY FOR SMALLER EQUIPMENT).
- 3. SLABS ON GRADE SHALL BE SUPPORTED ON A BASE LAYER OF POROUS FILL (WASHED STONE OR CLEAN SAND) WITH A MINIMUM THICKNESS OF 4". FIELD COMPACTION SHALL BE VERIFIED WITH AT LEAST ONE TEST PER 2,000 SQUARE FEET PER LIFT (AT LEAST ONE PER LIFT), IN ACCORDANCE WITH ASTM D1556 (SAND-CONE METHOD), ASTM D6938 (NUCLEAR METHODS, SHALLOW DEPTH), ASTM D2167 (RUBBER BALLOON METHOD), AND/OR ASTM D2937 (DRIVE-CYLINDER METHOD). SEE SPECIFICATIONS FOR OTHER TESTING REQUIREMENTS.
5. WALLS RETAINING SOIL SHALL BE TEMPORARILY BRACED DURING BACKFILLING AND UNTIL ALL SUPPORTING SOIL AND SLABS ARE IN PLACE AND ARE AT DESIGN STRENGTH UNLESS NOTED OTHERWISE ON PLANS AND DETAILS.
6. WALLS RETAINING SOIL HAVE BEEN DESIGNED UTILIZING THE FOLLOWING PARAMETERS:
- MOIST SOIL UNIT WEIGHT: 120 PCF
- ACTIVE PRESSURE COEFFICIENT: 0.33
- AT-REST PRESSURE COEFFICIENT: 0.55
- PASSIVE PRESSURE COEFFICIENT: 2.50
- COEFFICIENT OF FRICTION: 0.25
7. UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT APPROVAL OF THE STRUCTURAL ENGINEER. CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS OF ALL SUCH CONDITIONS PRIOR TO CONSTRUCTION.

CONCRETE | REINFORCING STEEL

- 1. ALL CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM TO THE REFERENCED EDITION OF THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318).
2. CONCRETE MIXTURES AS REQUIRED (BASED ON CLASS DESIGNATION):
- CLASS A - FOOTINGS, GRADE/TIE BEAMS: NWC 3,000 PSI
- CLASS B - FOUNDATION WALLS: NWC 4,500 PSI
- CLASS F - EXTERIOR SLABS ON GRADE, PADS, TOPPING: NWC 4,500 PSI
- CLASS J - EXTERIOR RETAINING WALLS: NWC 4,500 PSI
3. REINFORCING:
- TYPICAL - ASTM A615, GRADE 60
- REINFORCING TO BE WELDED - ASTM A706
- DEFORMED BAR ANCHORS - ASTM A496
- WELDED WIRE FABRIC - ASTM A1064 (FLAT SHEETS ONLY)
4. REFER TO THE DRAWINGS FOR REINFORCING LAP REQUIREMENTS. WHERE LAP SPLICES ARE NOT SHOWN, LAP PER ACI 318 OR CRSI STANDARDS.
5. LAP WELDED WIRE FABRIC SHEETS 8" MINIMUM.
6. CLEAR COVER FROM FACE OF CONCRETE:
- CAST IN PLACE CONCRETE (MEASURE TO OUTERMOST REINFORCING) - 3"
- CONCRETE CAST AGAINST AND EXPOSED TO EARTH - 3"
- CONCRETE EXPOSED TO EARTH/WEATHER - 2" FOR #6 BARS AND LARGER, 1 1/2" ELSE
- CONCRETE NOT EXPOSED TO EARTH/WEATHER - 3/4" FOR SLABS AND WALLS, 1 1/2" (TO TIES) FOR BEAMS AND COLUMNS
7. PROVIDE REINFORCING IN SLABS ON GRADE, 1-1/2" FROM TOP OF SLAB:
- 4" SLABS: 6x6-W2.1xW2.1
- 5" SLABS: 6x6-W2.9xW2.9
- 6" SLABS: #3@12"OC EACH WAY
8. WHERE SCHEDULED BARS ARE NOT PRESENT, PROVIDE CONTINUOUS #5 TOP AND BOTTOM BARS TO SUPPORT STIRRUPS AS REQUIRED FOR THE LENGTH OF THE STIRRUP SPACING IN ALL BEAMS.
9. WALL FOOTING REINFORCING SHALL BE CONTINUOUS THROUGH ADJACENT COLUMN FOOTINGS.
10. PROVIDE VERTICAL DOVETAIL SLOTS AT 24"OC WITH TIES AT 16"OC VERTICALLY IN ALL CONCRETE WALLS BACKING-UP MASONRY VENEER.
11. BAR SUPPORTS FOR CONCRETE EXPOSED TO VIEW SHALL HAVE PLASTIC COATED LEGS OR BE HOT-DIP GALVANIZED AFTER FABRICATION.
12. MECHANICAL AND ELECTRICAL CONDUIT IN SLABS ON GRADE SHALL RUN UNDER TOP LAYER OF SLAB REINFORCING. PROVIDE A MINIMUM OF 1-1/2" CLEAR BETWEEN CONDUITS AND BETWEEN REINFORCING AND ADJACENT CONDUITS PARALLEL TO REINFORCING. IF MAXIMUM SIZE OF CONDUIT EXCEEDS ONE THIRD OF THE SLAB DEPTH, ADDITIONAL FRAMING OR REINFORCING MAY BE NECESSARY AT ENGINEER'S DISCRETION.
13. HEADED CONCRETE ANCHORS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A108, GRADES 1010, 1015, 1017, OR 1020. STUDS SHALL BE AUTOMATICALLY END WELDED IN THE SHOP OR FIELD IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
14. EMBED PLATES MUST BE SET IN THE FORM BEFORE POURING CONCRETE, NOT PLACED INTO TOP OF WET CONCRETE. THE CONTRACTOR SHALL CONTACT THE ARCHITECT FOR CORRECTIVE DETAILS FOR ANY EMBED PLATES LEFT OUT OF CONCRETE POURS.
15. FOR SLABS ON GRADE, SLAB AND FOOTING REINFORCING SHALL BE HELD IN PLACE BY BAR SUPPORTS WITH SAND PLATES, OR PRECAST CONCRETE BAR SUPPORTS AS DESCRIBED IN CHAPTER 3 OF THE CRSI MANUAL OF STANDARD PRACTICE. BAR SUPPORTS SHALL BE SPACED AT A MAXIMUM OF 4'-0"OC BOTH WAYS. ROCKS, CMU, OR CLAY BRICK WILL NOT BE USED AS SUPPORTS.
16. REBAR SHALL NOT BE HEATED WITH A TORCH IN THE FIELD.
17. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER FAR ENOUGH IN ADVANCE (48 HOURS) OF EACH CONCRETE POUR TO ALLOW AMPLE TIME TO CHECK THE LAYOUT OF THE STEEL BEFORE THE BEGINNING OF THE ACTUAL POUR, BUT NOT PRIOR TO 90% OF THE STEEL HAVING BEEN PLACED.

CONCRETE CONSTRUCTION JOINTS

- 1. CONTRACTOR SHALL PROVIDE NECESSARY CONSTRUCTION JOINTS IN MONOLITHIC CONCRETE POURS SO THAT THE QUALITY OF PLACEMENT AND FINISH MEETS THE REQUIREMENTS OF PLANS AND SPECIFICATIONS. THE CONTRACTOR SHALL SUBMIT A PLAN SHOWING THE LOCATION OF ALL CONSTRUCTION JOINTS TO THE STRUCTURAL ENGINEER FOR APPROVAL.
2. THERE SHALL BE NO HORIZONTAL CONSTRUCTION JOINTS IN CONCRETE POURS. ALL VERTICAL CONSTRUCTION JOINTS IN SLABS AND BEAMS SHALL BE MADE WITH BULKHEADS. ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS SHALL BE AS SPECIFIED BY THE STRUCTURAL ENGINEER. SEE TYPICAL CONSTRUCTION JOINT DETAILS.

MECHANICALLY STABILIZED EARTH WALLS

- 1. PRECAST CONCRETE DESIGN AND FABRICATION SHALL CONFORM TO THE REFERENCED EDITION OF BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318). THE DESIGN SHALL BE PERFORMED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. DESIGN CALCULATIONS, STAMPED BY THE REGISTERED ENGINEER, SHALL BE SUBMITTED FOR REVIEW OF THE ENGINEER UPON REQUEST.
2. THE DESIGN AND DETAILING OF ALL SOIL REINFORCING ELEMENTS AND PRECAST CONCRETE AND ITS CONNECTIONS SHALL BE THE RESPONSIBILITY OF THE MSE FABRICATOR. THIS SHALL INCLUDE ALL BOLTS, PLATES, BRACES, REINFORCING, WELD SIZES, AND ANY EMBEDDED ITEMS IN BOTH PRECAST AND SOIL REINFORCING FABRIC WALL. ALL ELEMENTS SHOWN ON THE DRAWINGS ARE CONCEPTUAL IN NATURE AND FOR BIDDING PURPOSES ONLY.
3. ALL PRECAST MEMBERS SHALL HAVE AT LEAST TWO CONNECTIONS PER MEMBER. MAXIMUM SPACING OF CONNECTIONS SHALL BE 36'OC. ALL EXPOSED CONNECTORS SHALL BE HOT-DIP GALVANIZED OR STAINLESS STEEL. ADDITIONAL REINFORCING SHALL BE ADDED TO PRECAST MEMBERS AS REQUIRED FOR ERECTION STRESSES AS WELL AS STRESSES INDUCED BY THE CONNECTIONS.
4. DESIGN MODIFICATIONS MAY BE MADE ONLY AS NECESSARY TO MEET FIELD CONDITIONS AND TO ENSURE PROPER FITTING OF THE WORK, AND ONLY AS ACCEPTABLE TO THE ENGINEER. MAINTAIN GENERAL DESIGN CONCEPT SHOWN WITHOUT INCREASING OR DECREASING SIZES OF MEMBERS OR ALTERING PROFILES AND ALIGNMENT SHOWN.

STEEL STAIRS AND RAILINGS

- 1. STEEL STAIRS AND LANDINGS AND ALL CONNECTIONS SHALL BE DESIGNED BY THE SUPPLIER FOR A LIVE LOAD OF 100 PSF. TREADS SHALL BE DESIGNED FOR A 300 POUND POINT LOAD DISTRIBUTED OVER 4 SQUARE INCHES. ALL STAIR SHOP DRAWINGS SHALL BEAR THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. CALCULATIONS SHALL BE SUBMITTED FOR REVIEW WITH THE STAIR SHOP DRAWINGS.
2. ALL RAILINGS (STEEL OR OTHERWISE) AND THEIR CONNECTIONS SHALL BE DESIGNED FOR A LATERAL LOAD OF 50 PLF APPLIED TO THE TOP OF THE RAIL OR A 200 POUND LOAD AT ANY POINT IN ANY DIRECTION, WHICHEVER GOVERNS THE DESIGN. ALL RAILING SHOP DRAWINGS SHALL BEAR THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. CALCULATIONS SHALL BE SUBMITTED FOR REVIEW WITH THE RAILING SHOP DRAWINGS.
3. INTERIOR STAIRS THAT USE CONCRETE FILL FOR THE LANDINGS AND/OR TREADS SHALL BE REINFORCED WITH EITHER MICROSYNTHETIC MONOFILAMENT FIBERS (AT A MINIMUM DOSAGE RATE OF 1.0 LBS/CY) OR 4x4-W1.4kW1.4 WELDED WIRE FABRIC. THE CONTRACTOR SHALL COORDINATE THIS SCOPE BETWEEN THE CONCRETE AND STEEL STAIR SUPPLIERS.

Table with 3 columns: SYMBOL, MEANING, REFERENCE. Includes symbols for top of footing, top of wall, and spot elevation.

ADHESIVE AND MECHANICAL POST-INSTALLED ANCHORS

- 1. ANCHOR BOLTS, REINFORCING STEEL, THREADED RODS, STAIR HANDRAILS, AND OTHER EMBEDDED STEEL ITEMS SHALL BE SET INTO HARDENED CONCRETE WITH ADHESIVE OR MECHANICAL POST-INSTALLED ANCHORS ONLY WHERE DETAILED ON THE DRAWINGS OR WHERE APPROVED BY THE ENGINEER OF RECORD.
2. PRE-APPROVED MANUFACTURERS ARE HILTI, SIMPSON STRONG-TIE, AND DEWALT. WHERE DETAILS INDICATE SPECIFIC ADHESIVE OR MECHANICAL POST-INSTALLED ANCHORS, IT IS ACCEPTABLE AT THE CONTRACTOR'S OPTION TO SUBMIT AN ALTERNATE SIMILAR PRODUCT PROVIDED BY A DIFFERENT MANUFACTURER AS LONG AS THE MANUFACTURER'S DATA PROVIDES EQUIVALENT LOAD CAPACITY TO THE ANCHOR SPECIFIED. THE CONTRACTOR SHALL PROVIDE SIGNED AND SEALED CALCULATIONS THAT DEMONSTRATE THE ALTERNATE PRODUCT IS CAPABLE OF MEETING THE PERFORMANCE OF THE SPECIFIED ANCHOR. SUBSTITUTIONS WILL BE EVALUATED BY THEIR HAVING AN ICC-ESR SHOWING COMPLIANCE WITH THE GOVERNING BUILDING CODE FOR SEISMIC USE, LOAD RESISTANCE, INSTALLATION CATEGORY, AND THE AVAILABILITY OF COMPREHENSIVE INSTALLATION INSTRUCTIONS. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE, INSTALLATION TEMPERATURE, MOISTURE CONDITION OF CONCRETE, AND DRILLING METHODS.
3. BASIS OF DESIGN FOR ADHESIVE ANCHORS DETAILED ON THE DRAWINGS INCLUDES THE FOLLOWING PARAMETERS: CRACKED CONCRETE; WATER-SATURATED CONCRETE; BASE MATERIAL BETWEEN 25 AND 100 DEGREES FAHRENHEIT; AND HOLES MADE BY HAMMER DRILL, HOLLOW DRILL BIT SYSTEM, OR CORE-DRILLING.
4. INSTALL ANCHORS PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS, AS INCLUDED IN THE ANCHOR PACKAGING. HEED ALL LABEL WARNINGS. INSTALL IN ACCORDANCE WITH APPLICABLE SAFETY LAWS. ALL HOLES SHALL BE DRILLED WITH A DIAMETER NO LARGER THAN 1/8" GREATER THAN THE DIAMETER OF THE ANCHOR BEING INSTALLED. ALL HOLES SHALL BE CLEANED WITH COMPRESSED AIR AND SHALL BE DRY PRIOR TO INSTALLATION OF ADHESIVE. HOLES SHALL BE FREE OF ALL DELETERIOUS MATERIAL SUCH AS LAITANCE, DUST, DIRT, AND OIL.
5. ANCHOR CAPACITY IS DEPENDENT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.
6. WHERE ADHESIVE ANCHORS ARE TO BE INSTALLED IN HOLLOW MATERIAL WITH UNKNOWN CAPACITY, THE CONTRACTOR SHALL INSTALL THE ANCHOR IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. THE ADHESIVE SHALL BE INSTALLED IN THE HOLLOW BASE MATERIAL USING SCREEN TUBES SUPPLIED BY THE MANUFACTURER. THE ADHESIVE SHALL BE CAPABLE OF SUSTAINING MINIMUM TENSION AND SHEAR LOAD CAPACITIES NOTED ON THE DRAWINGS MULTIPLIED BY A FACTOR OF SAFETY OF 4. ALL HARDWARE AND MATERIAL SHALL BE SUPPLIED BY THE ANCHOR MANUFACTURER.
7. CONTRACTOR PERFORMING ADHESIVE WORK SHALL BE AN APPROVED CONTRACTOR BY THE MANUFACTURER FURNISHING THE ADHESIVE MATERIALS, AND SHALL HAVE NO LESS THAN FIVE YEARS EXPERIENCE IN THE VARIOUS TYPES OF ADHESIVE RELATED WORK REQUIRED IN THIS PROJECT. ALTERNATIVELY, THE CONTRACTOR SHALL ARRANGE FOR A REPRESENTATIVE OF THE ANCHOR MANUFACTURER TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL ANCHOR PRODUCTS SPECIFIED. DOCUMENTATION THAT ALL PERSONNEL INSTALLING ANCHORS ARE TRAINED SHALL BE SUBMITTED TO THE ENGINEER OF RECORD PRIOR TO THE COMMENCEMENT OF ANCHOR INSTALLATION.

REPRODUCTION

- 1. THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SIGNIFIES HIS ACCEPTANCE OF ALL INFORMATION SHOWN HEREIN AS CORRECT, AND OBLIGATES HIMSELF TO ANY JOB EXPENSE, REAL OR IMPLIED, ARISING DUE TO ANY ERRORS THAT MAY OCCUR HERE ON.

ABBREVIATIONS

Table with 3 columns: Symbol, Meaning, and another Symbol. Lists abbreviations for various construction terms like diameter, footing, wall, etc.

GENERAL NOTES, ABBREVIATIONS AND SYMBOL LEGEND
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
Town of Rolesville Project No. SDP 23-05 & CID 23-01
Rolesville, Wake County, North Carolina
S Main St / US 401 and Virginia Water Drive

ARK CON GROUP logo and contact information: 2755-B Charles Blvd, Greensboro, NC 27458, (252) 558-0888, www.arkcongroup.com

Table with 2 columns: Field and Value. Project Manager: PAA, Drawn By: TDM, Checked By: LAF, Project Number: 122007, Drawing Number: D-1219-CD, Date: OCTOBER 26, 2023

STEWART logo and contact information: 223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603, T 919.380.875 FIRM LICENSE #C-1051 L22007.00, 10/26/2023

\$0.00 SDP

STATEMENT OF SPECIAL INSPECTIONS	
THIS STATEMENT OF SPECIAL INSPECTIONS IS SUBMITTED AS A CONDITION FOR PERMIT ISSUANCE IN ACCORDANCE WITH THE SPECIAL INSPECTION REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE. IT INCLUDES A SCHEDULE OF SPECIAL INSPECTION SERVICES APPLICABLE TO THIS PROJECT, THE NAME OF THE SPECIAL INSPECTOR, THE IDENTITY OF OTHER APPROVED AGENCIES RETAINED FOR CONDUCTING SPECIAL INSPECTIONS, AND THE REQUIRED INSPECTOR QUALIFICATIONS. THIS STATEMENT OF SPECIAL INSPECTIONS WAS PREPARED BY THE DESIGNERS OF RECORD.	
THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF ALL SPECIAL INSPECTIONS AND TESTS AND SHALL FURNISH REPORTS TO THE CONTRACTOR, OWNER, AND THE DESIGNERS OF RECORD. REPORTS SHALL INDICATE IF THE WORK INSPECTED OR TESTED WAS OR WAS NOT COMPLETED IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. DISCOVERED DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF SUCH DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE DESIGNERS OF RECORD. THE SPECIAL INSPECTIONS PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITIES. JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.	
MONTHLY INTERIM REPORTS SHALL BE SUBMITTED TO THE CONTRACTOR, OWNER, AND THE DESIGNERS OF RECORD. A FINAL REPORT OF SPECIAL INSPECTIONS DOCUMENTING COMPLETION OF ALL REQUIRED SPECIAL INSPECTIONS, TESTING, AND CORRECTION OF ANY DISCREPANCIES SHOULD BE SUBMITTED PRIOR TO ISSUANCE OF A CERTIFICATE OF USE AND OCCUPANCY.	
PROJECT INFORMATION CODE ENFORCEMENT PROJECT #: TBD PERMIT #: TBD PROJECT NAME: WALLBROOK SHOPPING CENTER PROJECT ADDRESS: ROLESVILLE, NORTH CAROLINA OWNER: --- OWNER ADDRESS: --- SPECIAL INSPECTOR OF RECORD: TBD SPECIAL INSPECTOR ADDRESS: ---	
DESIGN TEAM STRUCTURAL (RDP/IRC) FIRM: STEWART ENGINEER OF RECORD: TRINA AGNELLO, PE ARCHITECTURAL FIRM: --- ARCHITECT OF RECORD: ---, AIA MECHANICAL FIRM: --- ENGINEER OF RECORD: ---, PE	

SCHEDULE OF SPECIAL INSPECTIONS	
THE INSPECTION AND TESTING AGENTS SHALL BE ENGAGED BY THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR WHOSE WORK IS TO BE INSPECTED OR TESTED. ANY CONFLICT OF INTEREST MUST BE DISCLOSED TO THE OWNER, PRIOR TO COMMENCING WORK.	
PRIOR TO STARTING WORK THE OWNER SHALL BE PROVIDED WITH THE NAME AND RESUME FOR THE DESIGNATED SPECIAL INSPECTOR FOR THE PROJECT. THE DESIGNATED SPECIAL INSPECTOR SHALL BE A PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED AND BE APPROVED BY THE OWNER. INDIVIDUALS PROVIDING INSPECTIONS SHALL MEET THE FOLLOWING MINIMUM CRITERIA OF CERTIFICATION AND/OR DOCUMENTED EXPERIENCE. WORK EXPERIENCE MUST BE RELATED TO THE FIELD FOR WHICH THE INSPECTOR IS BEING UTILIZED. WORK EXPERIENCE MAY BE GAINED BY WORKING FOR AN INSPECTION/TESTING AGENCY, AN ENGINEERING FIRM, OR A CONTRACTOR AS A TECHNICIAN, INSPECTOR OR ENGINEER.	
THE DESIGNATED SPECIAL INSPECTOR SHALL BE RESPONSIBLE FOR COLLECTING AND APPROVING DOCUMENTATION OF QUALIFICATIONS FOR ALL INSPECTORS. COPIES OF DOCUMENTATION OF QUALIFICATIONS, INCLUDING THE QUALIFICATIONS OF THE INDEPENDENT TESTING LABORATORY IF THEY ARE PROVIDING SPECIAL INSPECTION SERVICES, SHALL BE MAINTAINED BY THE SPECIAL INSPECTOR AND BE MADE AVAILABLE FOR OWNER REVIEW AS REQUESTED.	
THE FOLLOWING TABLES COMPRISE THE REQUIRED SCHEDULE OF SPECIAL INSPECTIONS FOR THIS PROJECT. THE INSPECTION FREQUENCY INDICATED ON THE TABLES ARE "C" CONTINUOUS, "P" PERIODIC, AND "O" RANDOMIZED ON A DAILY BASIS. THE CONSTRUCTION DIVISIONS WHICH REQUIRE SPECIAL INSPECTIONS FOR THIS PROJECT ARE AS FOLLOWS:	


REQD	ITEM	DIVISION	PRIMARY INSPECTOR/SUPERVISOR
X	IT-1	SPECIAL CASES AND SPECIFIC ELEMENTS ALWAYS REQUIRED	AS IDENTIFIED BY THE RDP/IRC
□	IT-2A	STRUCTURAL STEEL AND HIGH-STRENGTH BOLTING	ICC STRUCTURAL STEEL AND BOLTING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
□	IT-2B	WELDING OF STRUCTURAL STEEL	ICC STRUCTURAL WELDING SPECIAL INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR AWS D1.1 CERTIFIED WELDING INSPECTOR, OR NDT LEVEL III CERTIFICATE
□	IT-2C	COLD-FORMED STEEL DECKING	ICC STRUCTURAL STEEL AND BOLTING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR ICC STRUCTURAL WELDING SPECIAL INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR ICC COMMERCIAL BUILDING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
□	IT-2D	OPEN-WEB STEEL JOISTS AND JOIST GIRDERS	ICC STRUCTURAL STEEL AND BOLTING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
□	IT-2E	COLD-FORMED STEEL FRAMING	ICC STRUCTURAL STEEL AND BOLTING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR ICC STRUCTURAL WELDING SPECIAL INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR ICC COMMERCIAL BUILDING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
□	IT-3	CONCRETE CONSTRUCTION	ICC REINFORCED CONCRETE SPECIAL INSPECTOR CERTIFICATE AND ACI CONCRETE FIELD TESTING TECHNICIAN CERTIFICATE, GRADE 1, OR ACI CONCRETE CONSTRUCTION SPECIAL INSPECTOR CERTIFICATE, OR NICET CONCRETE TECHNICIAN LEVEL III CERTIFICATE IN CONSTRUCTION MATERIALS TESTING (PLUS ONE YEAR OF RELATED EXPERIENCE)
□	IT-4	MASONRY CONSTRUCTION	ICC STRUCTURAL MASONRY SPECIAL INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
□	IT-5	WOOD CONSTRUCTION	ICC COMMERCIAL BUILDING INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
□	IT-6	SOILS	NICET SOILS TECHNICIAN LEVEL II CERTIFICATE IN CONSTRUCTION MATERIALS TESTING, OR NICET GEOTECHNICAL ENGINEERING TECHNICIAN LEVEL II CONSTRUCTION OR GENERALIST CERTIFICATE, OR ICC SOILS SPECIAL INSPECTOR CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE), OR ENGINEER-IN-TRAINING (EIT) WITH ONE YEAR OF RELATED EXPERIENCE, OR GEOLOGIST-IN-TRAINING (GIT) WITH ONE YEAR OF RELATED EXPERIENCE
□	IT-7	DRIVEN DEEP FOUNDATIONS	NICET SOILS TECHNICIAN LEVEL II CERTIFICATE IN CONSTRUCTION MATERIALS TESTING, OR NICET GEOTECHNICAL ENGINEERING TECHNICIAN LEVEL II CONSTRUCTION OR GENERALIST CERTIFICATE, OR ENGINEER-IN-TRAINING (EIT) WITH ONE YEAR OF RELATED EXPERIENCE, OR GEOLOGIST-IN-TRAINING (GIT) WITH ONE YEAR OF RELATED EXPERIENCE
□	IT-8	CAST-IN-PLACE DEEP FOUNDATIONS	SEE IT-7
□	IT-9A	HELICAL PILE FOUNDATIONS	SEE IT-7
□	IT-9B	RAMMED AGGREGATE PIERS AND STONE COLUMNS	SEE IT-7
□	IT-10	FABRICATED ITEMS	AS NOTED HEREIN FOR EACH COMPONENT TYPE
□	IT-11	WIND RESISTANCE	AS NOTED HEREIN FOR EACH COMPONENT TYPE
□	IT-12	SEISMIC RESISTANCE	AS NOTED HEREIN FOR EACH COMPONENT TYPE
□	IT-13A	SEISMIC RESISTANCE, STRUCTURAL STEEL AND HIGH-STRENGTH BOLTING	AS NOTED HEREIN FOR EACH COMPONENT TYPE
□	IT-13B	SEISMIC RESISTANCE, WELDING OF STRUCTURAL STEEL	AS NOTED HEREIN FOR EACH COMPONENT TYPE
□	IT-13C	SEISMIC RESISTANCE, NON-DESTRUCTIVE TESTING OF WELDED JOINTS	AS NOTED HEREIN FOR EACH COMPONENT TYPE
□	IT-13D	SEISMIC RESISTANCE, STEEL DRIVEN DEEP FOUNDATIONS (H-PILES)	AS NOTED HEREIN FOR EACH COMPONENT TYPE
□	IT-14	SPRAYED FIRE-RESISTANT MATERIALS	ICC SPRAY-APPLIED FIREPROOFING SPECIAL INSPECTOR CERTIFICATE, OR ICC FIRE INSPECTOR I CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
□	IT-15	MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS	SEE IT-14
□	IT-16	EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS)	AWCI EIFS INSPECTOR CERTIFICATE
□	IT-17	FIRE-RESISTANT PENETRATIONS AND JOINTS	ICC FIRE INSPECTOR I CERTIFICATE (PLUS ONE YEAR OF RELATED EXPERIENCE)
□	IT-18	SMOKE CONTROL	REGISTERED PROFESSIONAL ENGINEER (MECHANICAL OR FIRE PROTECTION) AND CERTIFICATION AS AIR BALANCER, OR AABC TECHNICIAN CERTIFICATION (PLUS ONE YEAR OF RELATED EXPERIENCE)

IT-1: SPECIAL CASES AND SPECIFIC ELEMENTS ALWAYS REQUIRED		
INSPECTION TASK	FREQ	REFERENCE
□ 1. CONSTRUCTION MATERIALS AND SYSTEMS THAT ARE ALTERNATIVES TO MATERIALS AND SYSTEMS PRESCRIBED BY THE IBC.	P	IBC 1705.1.1.1
□ 2. UNUSUAL DESIGN APPLICATIONS OF MATERIALS DESCRIBED IN THE IBC.	P	IBC 1705.1.1.2
X 3. MATERIALS AND SYSTEMS REQUIRED TO BE INSTALLED IN ACCORDANCE WITH ADDITIONAL MANUFACTURER'S INSTRUCTIONS THAT PRESCRIBE REQUIREMENTS NOT CONTAINED IN THE IBC OR IN STANDARDS REFERENCED BY THE IBC.	P	IBC 1705.1.1.3
□ 4. PILES, PIERS, AND SPECIAL FOUNDATIONS	P	IBC 1705.1.2.1
□ 5. SPRAYED FIRE-RESISTANT MATERIALS	P	IBC 1705.1.2.2
□ 6. MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS	P	IBC 1705.1.2.3
□ 7. SMOKE CONTROL AND SMOKE EXHAUST SYSTEMS	P	IBC 1705.1.2.4
X 8. RETAINING WALLS (>5' IN HEIGHT OF UNBALANCED BACKFILL)	P	IBC 1705.1.2.5
A. VERIFY FOUNDATION SUPPORT SYSTEM IS ADEQUATE FOR THE INTENDED SITE CONDITIONS.	P	IBC 1807.2.5.1
B. VERIFY THAT RETAINING WALL MATERIALS AND INSTALLATIONS ARE IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.	P	IBC 1807.2.5.2
C. VERIFY THAT ACTUAL SOIL CONDITIONS ARE SIMILAR TO THOSE ANTICIPATED BY THE APPROVED ENGINEERED DESIGN.	P	IBC 1807.2.5.3
D. EXAMINE BACKFILL MATERIALS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.	P	IBC 1807.2.5.4
E. CONFIRM THAT ALL SUBSOIL DRAINAGE PIPING IS UNDAMAGED, DRAINS FREELY TO THE DESIGNATED OUTLET OR STRUCTURE, AND HAS BEEN INSTALLED PER THE APPROVED ENGINEERED DESIGN.	P	IBC 1807.2.5.4
FOR SOILS PERFORM ADDITIONAL TESTS AND INSPECTIONS PER IBC 1705.6 AND THE APPLICABLE SCHEDULES HEREIN. FOR CONCRETE WALLS AND FOOTINGS PERFORM ADDITIONAL TESTS AND INSPECTIONS PER IBC 1705.3 AND THE APPLICABLE SCHEDULES HEREIN. FOR MASONRY WALLS PERFORM ADDITIONAL TESTS AND INSPECTIONS PER IBC 1705.4 AND THE APPLICABLE SCHEDULES HEREIN.		

2 | 14 NOV 23 | ISSUED FOR CONSTRUCTION
1 | 26 OCT 23 | SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW

REVISIONS:

#	DATE	DESCRIPTION




**CROSLAND
SOUTHEAST**

STATEMENT OF SPECIAL INSPECTIONS

**PUBLIX AT WALLBROOK AND
WALLBROOK ROADWAY IMPROVEMENTS**

Town of Rolesville Project No. SDP 23-05 & CID 23-01


S Main St. / US 401 and Virginia Water Drive
Rolesville, Wake County, North Carolina




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Greenville, NC 27858
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www.arkcongroup.com

10/26/2023

Project Manager:	PAA
Drawn By:	TDM
Checked By:	LAF
Project Number:	L22007
Drawing Number:	D-1219-CD
Date:	OCTOBER 26, 2023



TRINA A. AGNELLO
ENGINEER
041315



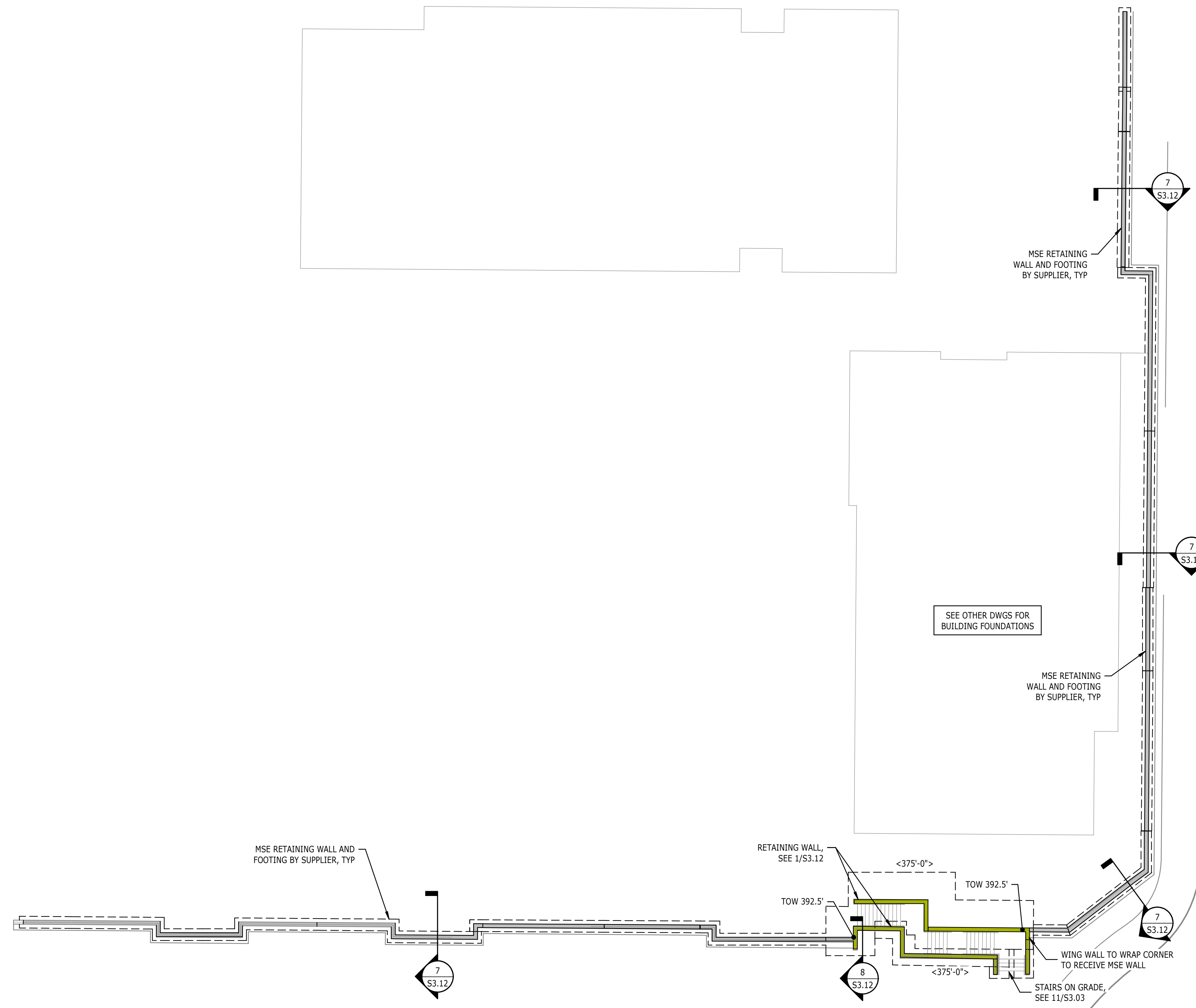
STEWART

223 S. WEST STREET
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RALEIGH, NC 27603

T 919.380.875
FIRM LICENSE #C-1051
L22007.00

10/26/2023

S0.01
SDP



1 FOUNDATION PLAN
 1/16" = 1'-0"

- FOUNDATION PLAN NOTES:**
- SEE S0.00 FOR GENERAL NOTES, ABBREVIATIONS, AND SYMBOL LEGEND.
 - TOP OF FOOTING ELEVATION 2'-0" BELOW GRADE. CONTRACTOR TO COORDINATE WITH FINAL GRADING.
 - SLOPE EXTERIOR SLABS, SIDEWALKS, AND PAVING AS INDICATED ON THE CIVIL AND/OR LA DRAWINGS.
 - WALLS WITH HEIGHT 10'-0" AND GREATER SHALL BE TEMPORARILY BRACED DURING BACKFILLING AND UNTIL ALL SUPPORTING SOIL AND SLABS ARE IN PLACE AND ARE AT 100% DESIGN STRENGTH.
 - SEE CIVIL AND/OR LA DRAWINGS FOR WALL LOCATIONS, WALL LENGTHS AND ALL DIMENSIONS NOT SHOWN.
 - COORDINATE FOOTING STEPS WITH GRADING PLAN.

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Project Manager:	PAA
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NC License # P-1129

FOUNDATION PLAN

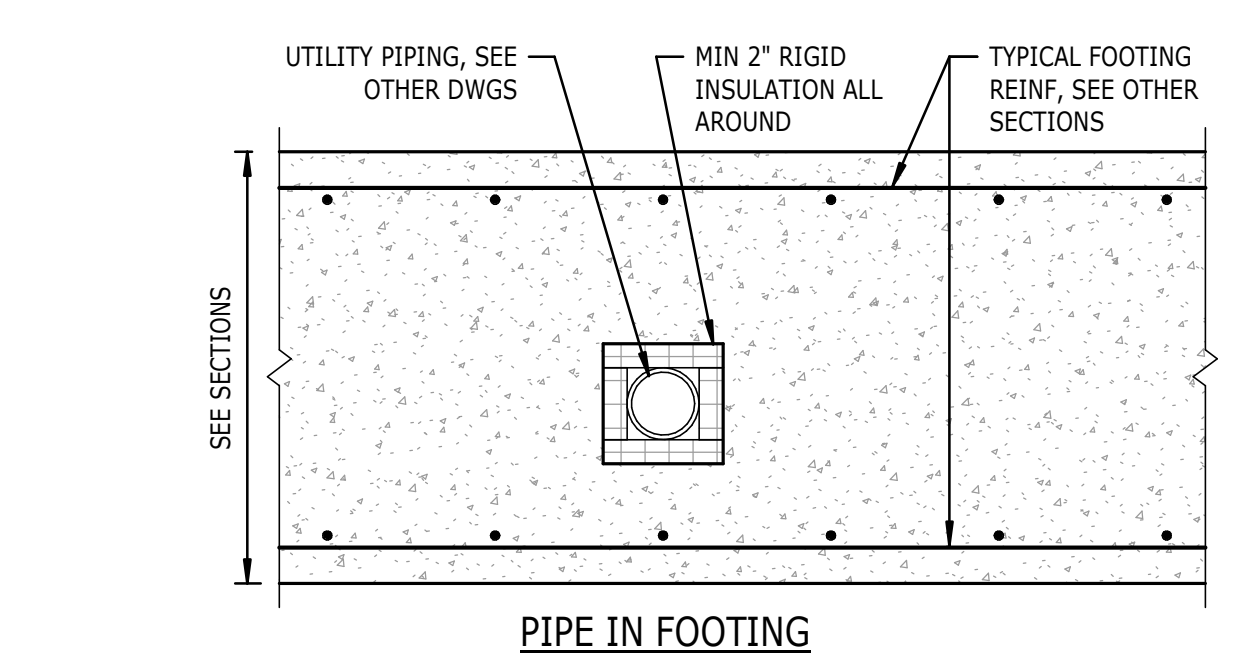
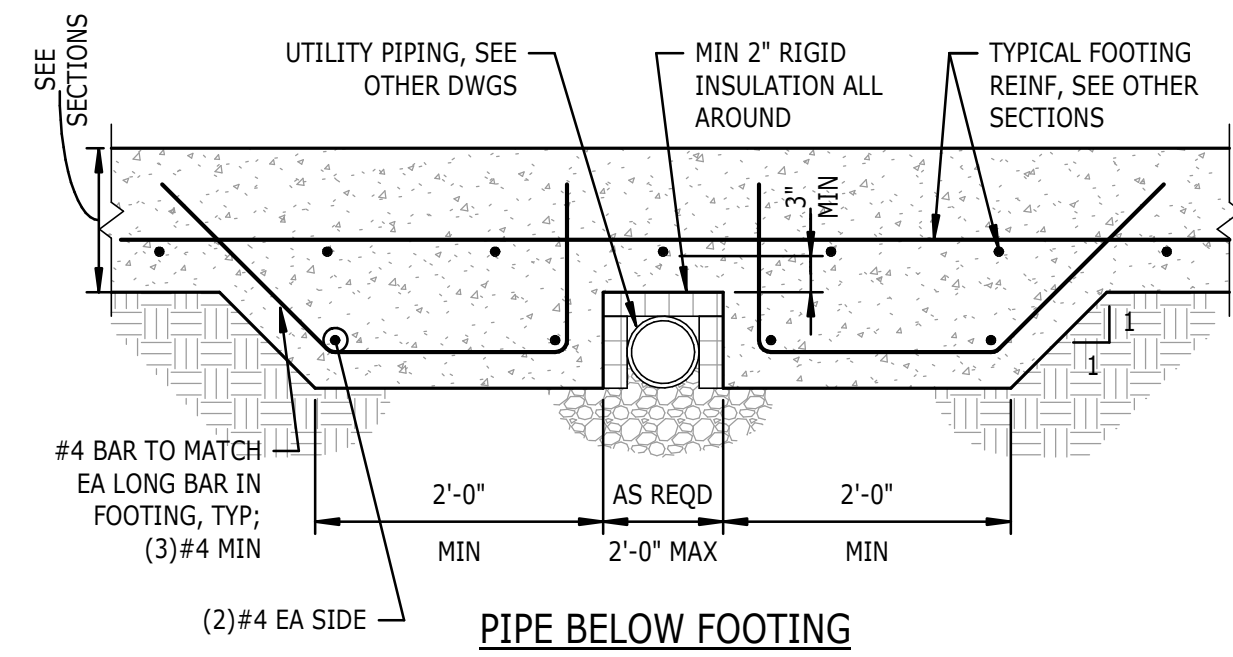
PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
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 Rolesville, Wake County, North Carolina



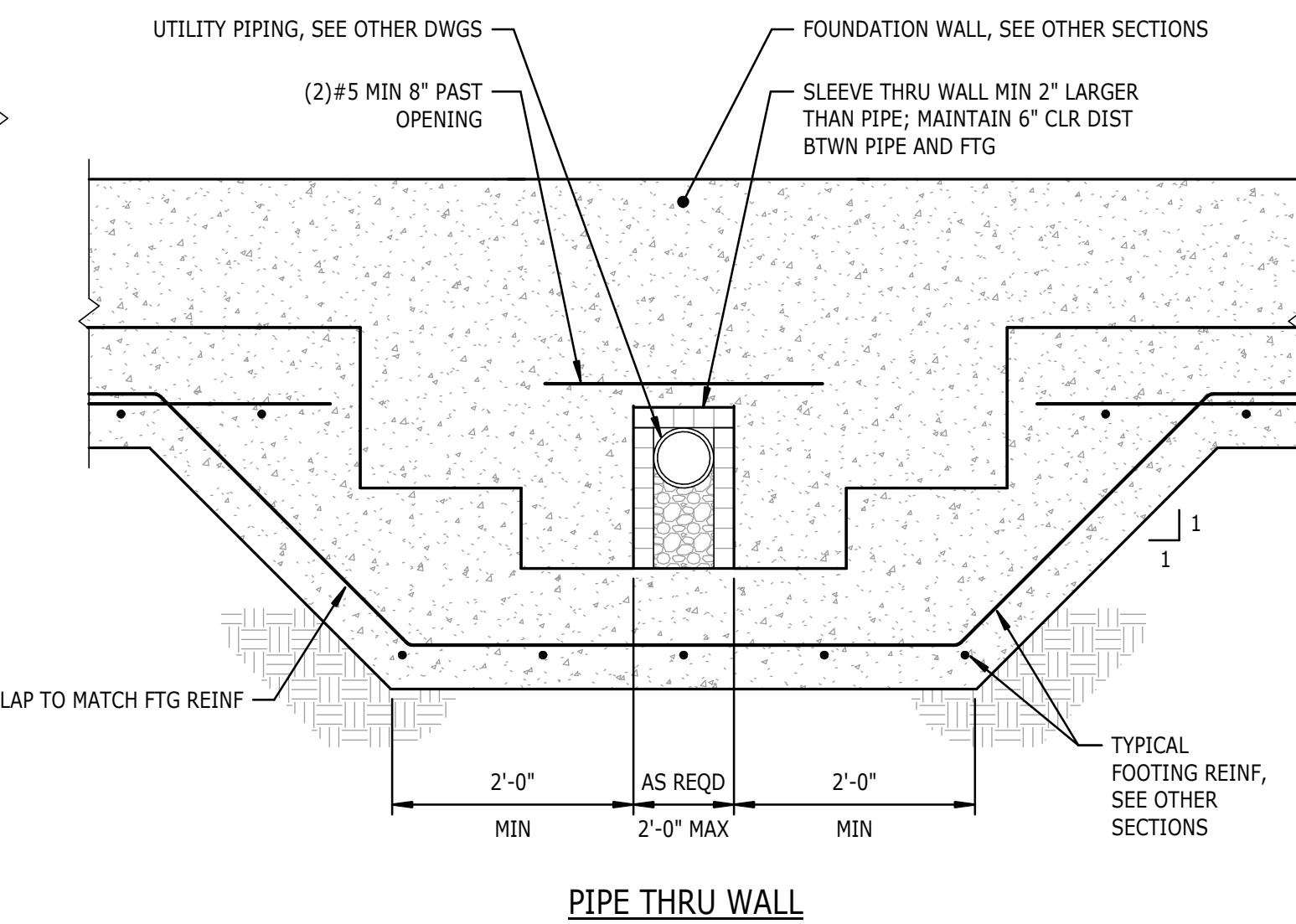
REVISIONS:

#	DATE	DESCRIPTION
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2	14 NOV 23	ISSUED FOR CONSTRUCTION

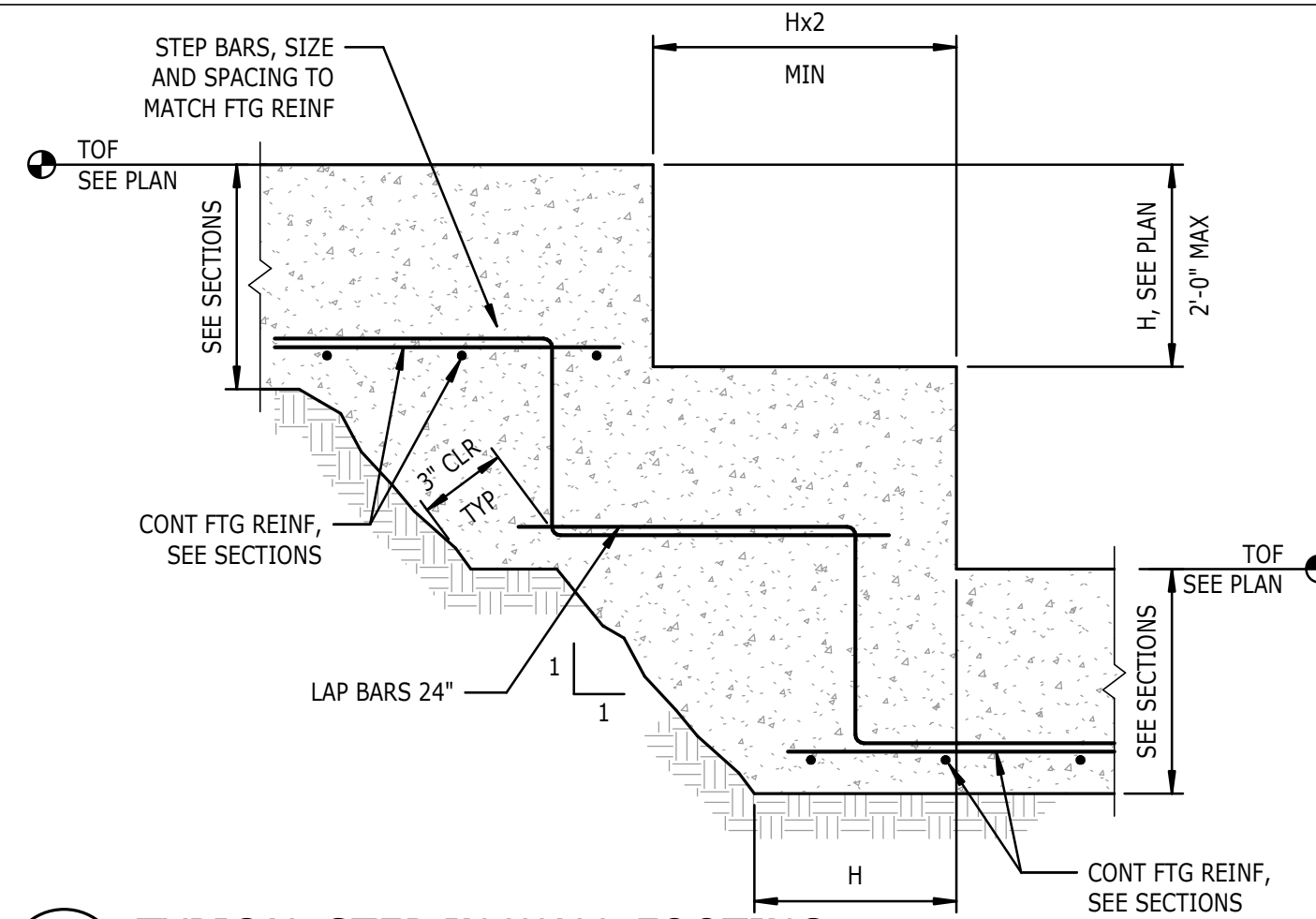
#	DATE	DESCRIPTION
1	16 OCT 23	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
2	14 NOV 23	ISSUED FOR CONSTRUCTION



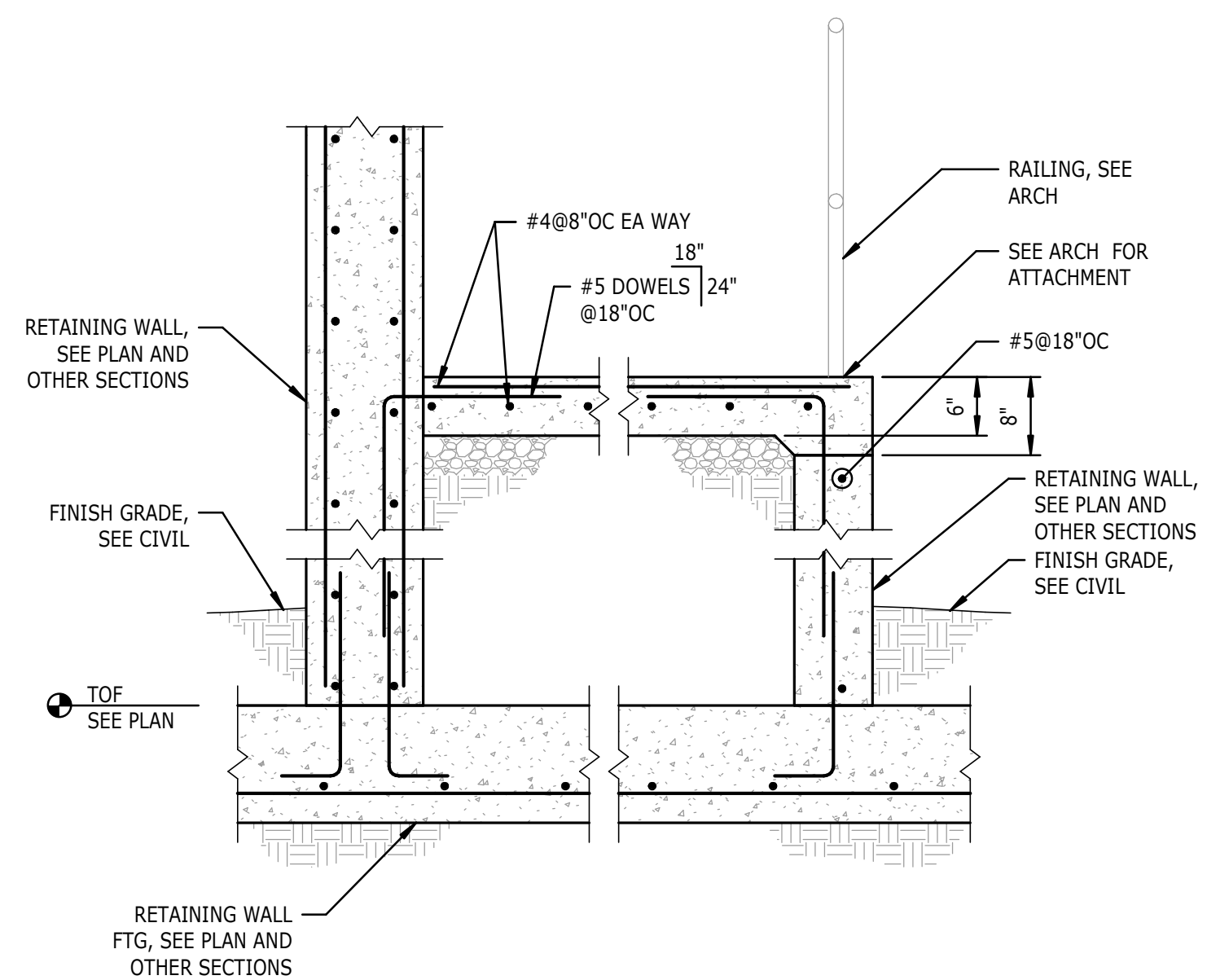
9 TYPICAL UTILITY BELOW FOOTING
S3.03 3/4" = 1'-0"



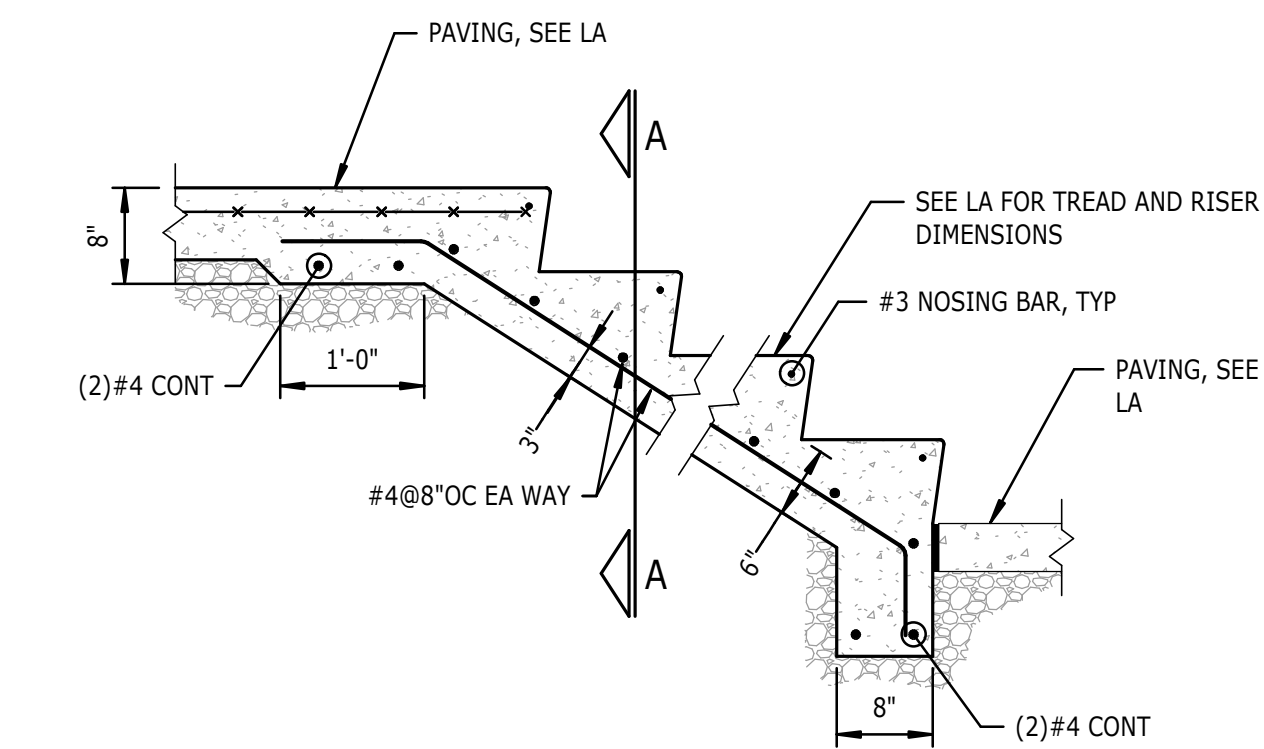
5 TYPICAL FOOTING CORNER
S3.03 3/4" = 1'-0"



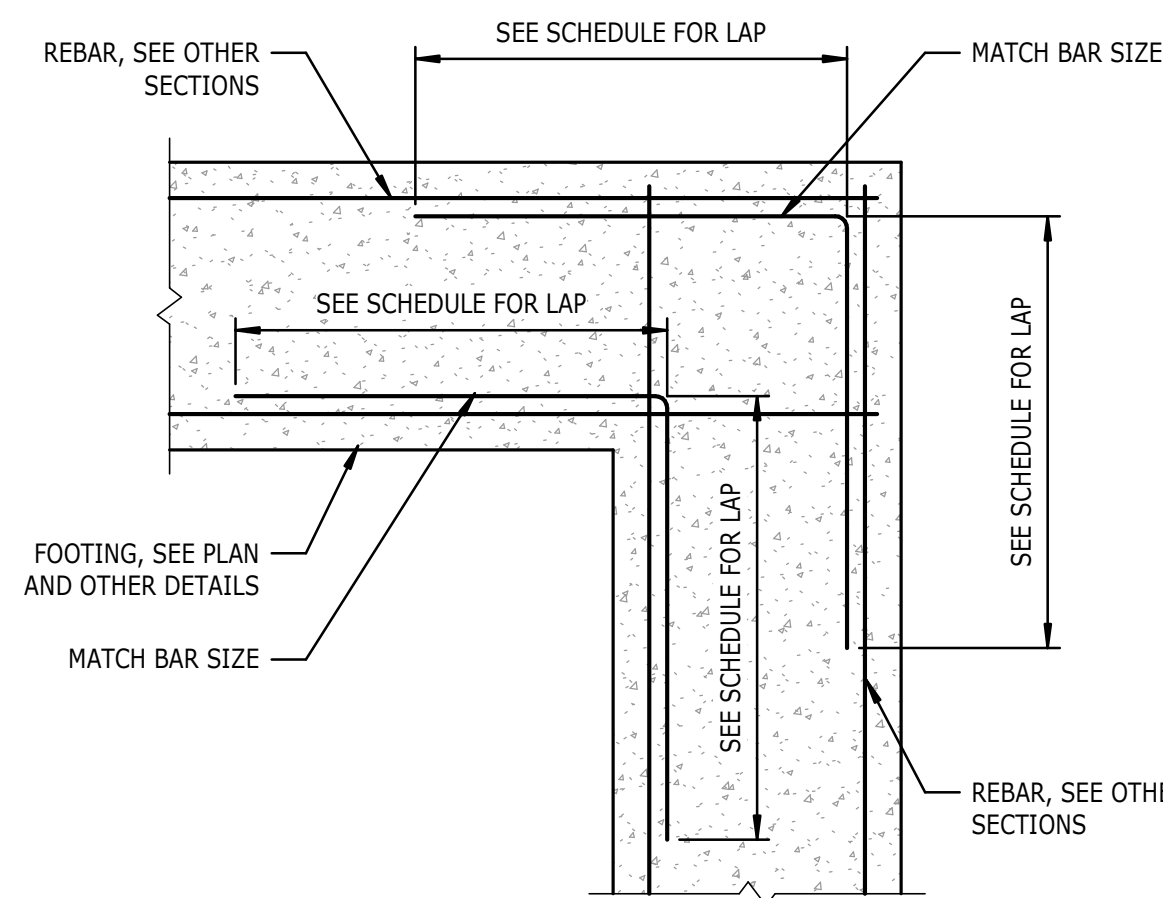
6 TYPICAL STEP IN WALL FOOTING
S3.03 3/4" = 1'-0"



11 TYPICAL STEPS WITH CONCRETE WALLS
S3.03 3/4" = 1'-0"



7 TYP SITE RETAINING WALL DRAINAGE SYSTEM
S3.03 1/2" = 1'-0"

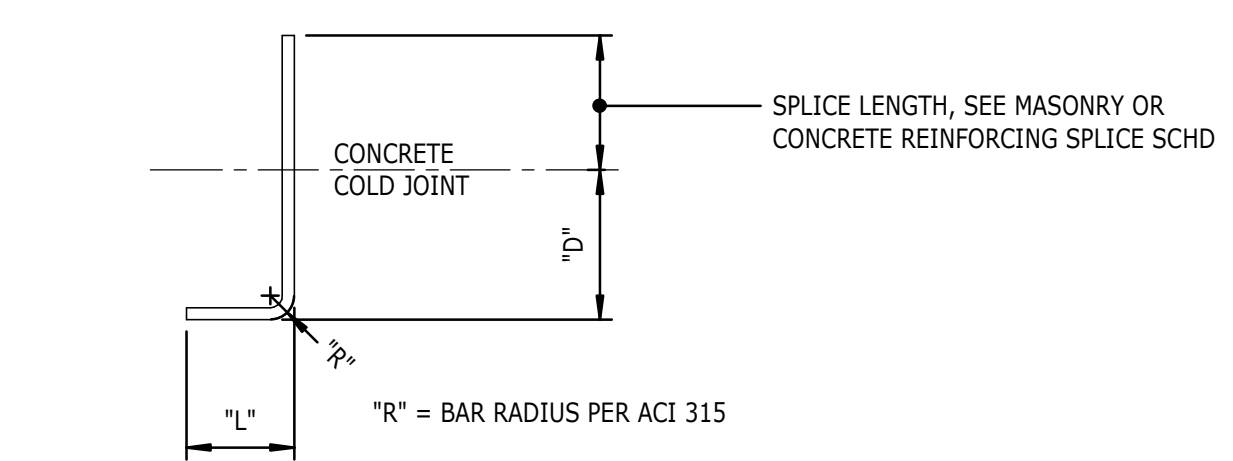


CONCRETE REINFORCING SPLICES			
BAR SIZE	f _c = 3,000 PSI	f _c = 4,000 PSI	f _c = 5,000 PSI
#3	1'-10"	1'-7"	1'-5"
#4	2'-4"	2'-1"	1'-10"
#5	3'-0"	2'-7"	2'-4"
#6	3'-7"	3'-1"	2'-9"
#7	5'-2"	4'-6"	4'-1"
#8	5'-11"	5'-2"	4'-8"
#9	6'-6"	5'-10"	5'-3"
#10	7'-6"	6'-6"	5'-10"
#11	8'-4"	7'-3"	6'-6"

NOTES:
 1. FOR CLASS B LAP SPLICE, SPLICE LENGTH = 1.3 x DEVELOPMENT LENGTH.
 2. APPLIES TO BOTTOM BARS ONLY (LESS THAN 12" OF FRESH CONCRETE BELOW BAR).
 3. APPLIES WHERE THE CLEAR COVER IS GREATER THAN THE BAR DIAMETER.
 4. WHEN MORE THAN 12" OF FRESH CONCRETE BELOW SPLICE, THEN INCREASE SPLICE TO 1.3 x SPLICE LENGTH.

1 CONCRETE REINFORCING SPLICE SCHEDULE
S3.03 3/4" = 1'-0"

CONCRETE REINFORCING DOWEL EMBEDMENT				
BAR SIZE	LEG DIM, "L"	EMBEDMENT, "D"		
		f _c = 3,000 PSI	f _c = 4,000 PSI	f _c = 5,000 PSI
#3	6"	6"	6"	6"
#4	8"	8"	7"	6"
#5	10"	10"	9"	8"
#6	12"	12"	10"	9"
#7	14"	14"	12"	11"
#8	16"	16"	14"	12"
#9	19"	18"	15"	14"
#10	22"	20"	17"	15"
#11	24"	22"	19"	17"



NOTES:
 1. FOR CONCRETE STRENGTHS NOT PROVIDED, USE THE EMBEDMENT LENGTH FOR THE LOWER CONCRETE STRENGTH AS SHOWN IN THE TABLE.
 2. DOWEL LENGTHS BASED ON NORMAL WEIGHT CONCRETE. FOR LIGHT WEIGHT, INCREASE DOWEL LENGTH "D" BY 30%.
 3. SIDE COVER ON BARS MUST BE GREATER THAN 2 1/2". END COVER ON 90° HOOKED BARS MUST BE GREATER THAN 2".
 4. FOR EPOXY-COATED BARS, INCREASE THE DOWEL LENGTH "D" BY 20%.

3 DOWEL EMBEDMENT LENGTH SCHEDULE
S3.03 3/4" = 1'-0"

2/14/NOV/23 ISSUED FOR CONSTRUCTION
1/26/OCT/23 SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW

REVISIONS:
DATE DESCRIPTION

CROSLAND SOUTHEAST

FOUNDATION DETAILS

PUBLIX AT WALLBROOK AND WALLBROOK ROADWAY IMPROVEMENTS
Town of Rolesville Project No. SDP 23-05 & CID 23-01

Rolesville, Wake County, North Carolina
S Main St. / US 401 and Virginia Water Drive

CON ULTIN GROUP
ENGINEERS & PLANNERS
10/26/2023

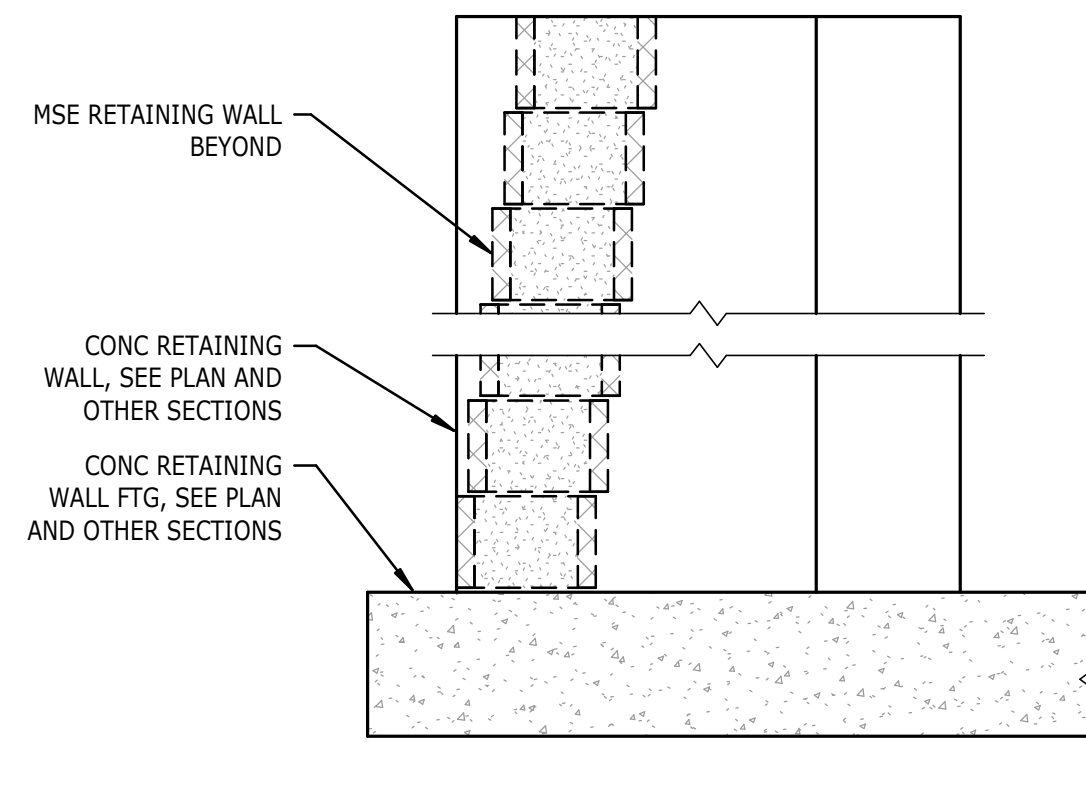
7755-B Charles Blvd.
Greensboro, NC 27858
(252) 558-0888
www.ariconsultinggroup.com

Project Manager: PAA
Drawn By: TDM
Checked By: LAF
Project Number: L22007
Drawing Number: D-1219-CD
Date: OCTOBER 26, 2023

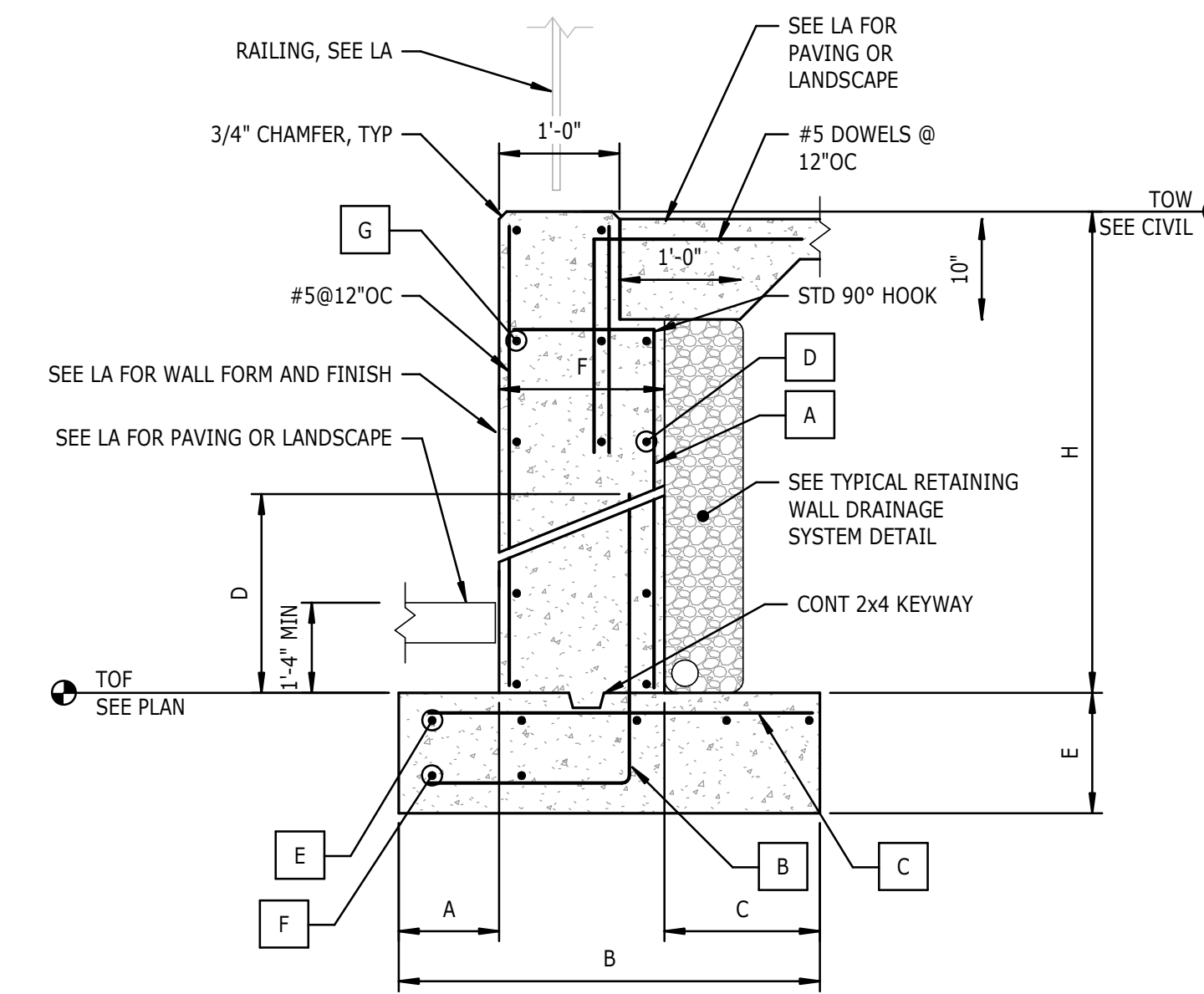
STEWART
223 S. WEST STREET SUITE 1100 RALEIGH, NC 27603
T 919.380.875 FIRM LICENSE #C-1051 L22007.00
10/26/2023

SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
PETRINA A. AGNELLO
041315

S3.03
SDP



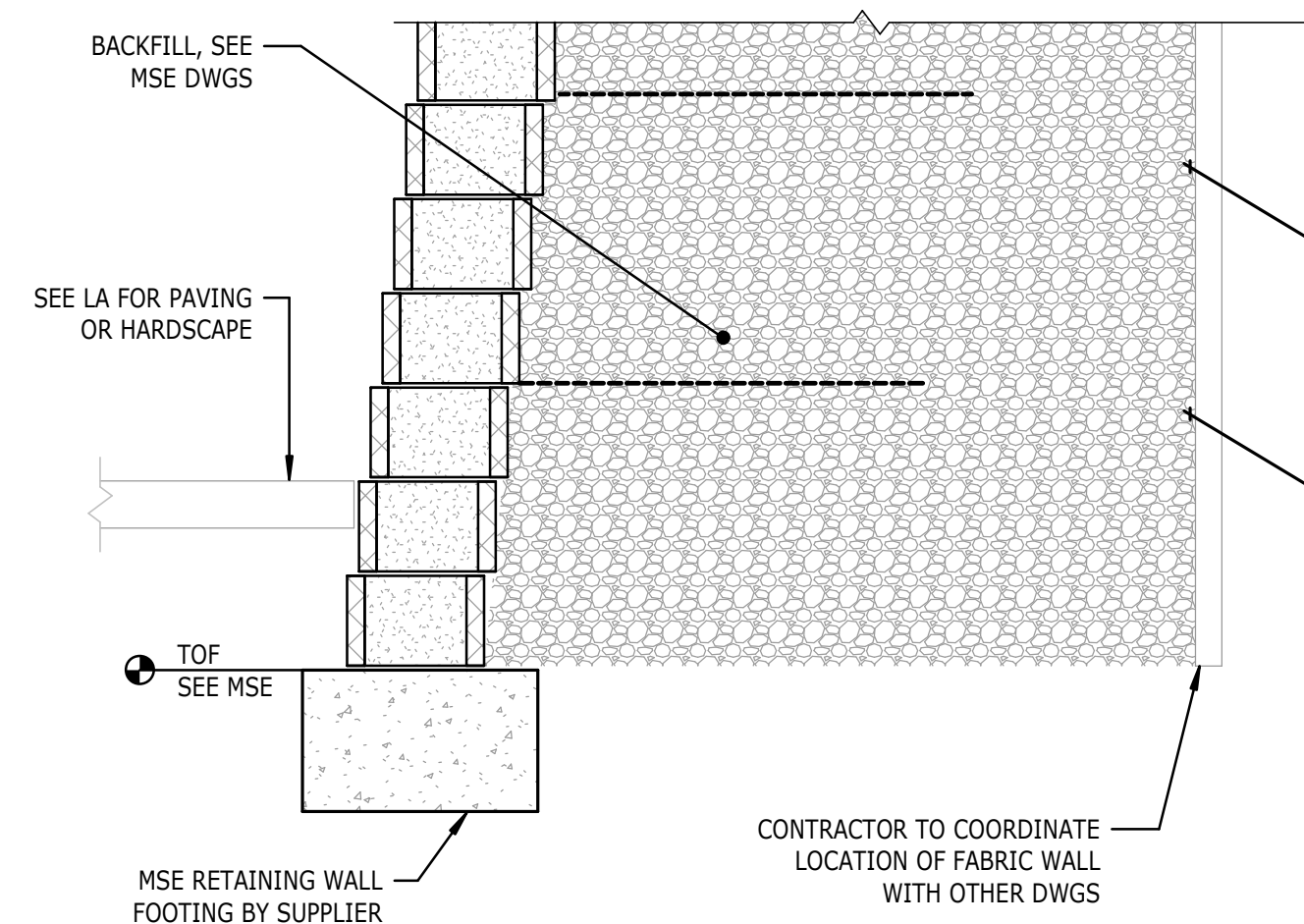
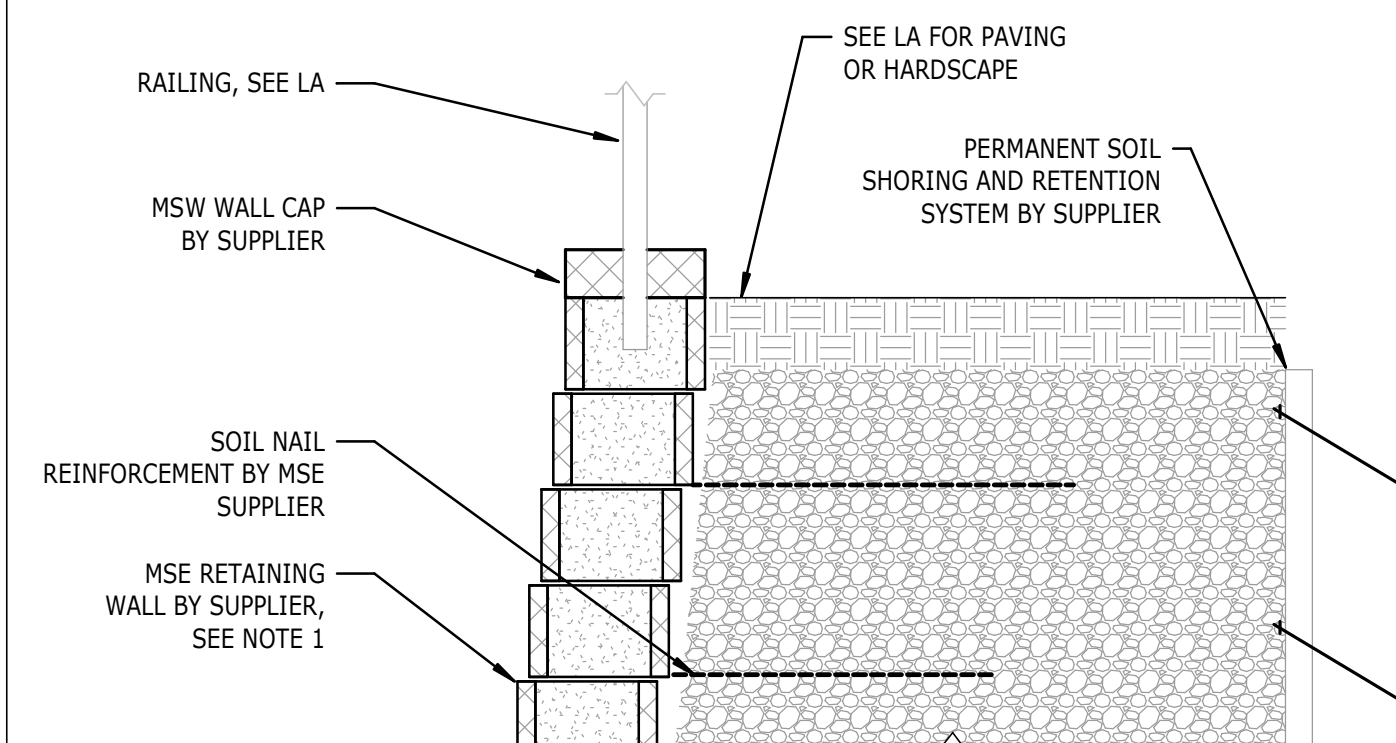
8 MSE TO CONC WALL PLAN
S3.12 3/4" = 1'-0"



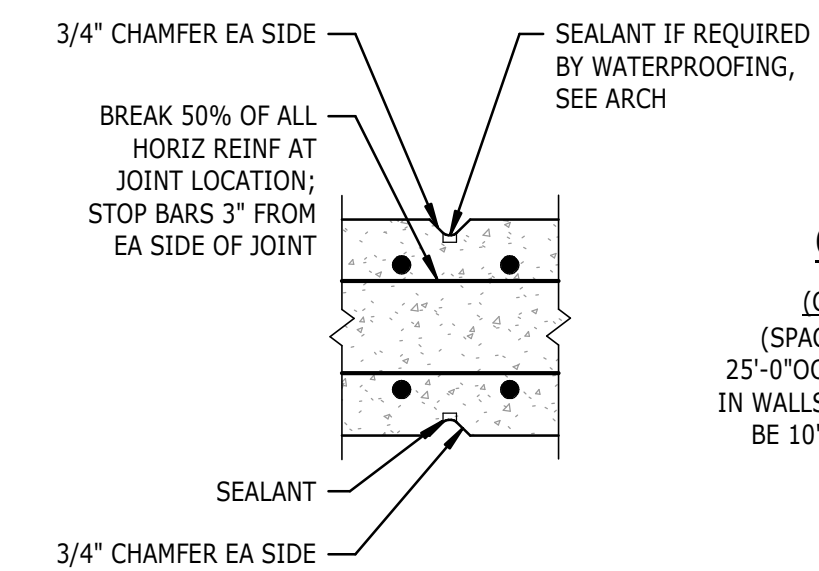
MAX HEIGHT "H"	DIMENSIONS						REINFORCEMENT						
	A	B	C	D	E	F	A	B	C	D	E	F	G
12'-0"	1'-6"	6'-6"	4'-0"	4'-6"	1'-6"	1'-0"	#5@12"OC	#7@12"OC	#7@12"OC	#4@12"OC	(7)#5	(3)#5	#5@12"OC
14'-0"	2'-0"	8'-3"	5'-0"	4'-6"	1'-6"	1'-3"	#5@12"OC	#7@12"OC	#7@12"OC	#4@12"OC	(9)#5	(4)#5	#5@12"OC
16'-0"	3'-0"	10'-3"	6'-0"	4'-6"	1'-8"	1'-3"	#7@12"OC	#7@12"OC	#7@12"OC	#5@12"OC	(11)#5	(6)#5	#5@12"OC
18'-0"	4'-6"	12'-9"	7'-0"	4'-6"	1'-8"	1'-3"	#7@12"OC	#7@12"OC	#7@12"OC	#5@12"OC	(13)#5	(7)#5	#6@12"OC

- NOTES:
 1. SEE DETAIL 9/S3.12 FOR DETAIL OF CONCRETE WALL JOINTS.
 2. SEE LANDSCAPE WALL ELEVATIONS FOR PATTERNS IN CONCRETE SITE WALLS.
 3. WALLS WITH HEIGHT 10'-0" AND GREATER SHALL BE TEMPORARILY BRACED DURING BACKFILLING AND UNTIL ALL SUPPORTING SOIL AND SLABS ARE IN PLACE AND ARE AT DESIGN STRENGTH.

1 CONCRETE RETAINING WALL SCHEDULE
S3.12 3/4" = 1'-0"



7 MSE RETAINING WALL
S3.12 3/4" = 1'-0"



- NOTES:
 1. FOAM JOINT FILLER TO BE CLOSED CELL NEOPRENE FOAM.
 2. SEALANT TO BE "TREMCO DYMERIC" OR EQUAL.
 3. SUBMIT SAMPLES OF JOINT FILLER & SEALANT FOR APPROVAL.
 4. CHAMFER ALL CORNERS AND EDGES OF EXPOSED FACE OF WALL.
 5. DO NOT INSTALL CONTROL JOINTS IN CONCRETE SHEAR WALLS, STAIR OR ELEVATOR TOWERS OR WITHIN 10'-0" OF A CORNER.

3 TYPICAL JOINTS IN CONCRETE WALLS
S3.12 3/4" = 1'-0"

REVISIONS:

#	DATE	DESCRIPTION
1	16 OCT 23	SDP 23-05 / CID 23-01 COMBINED PERMIT REVIEW
2	14 NOV 23	ISSUED FOR CONSTRUCTION



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Professional Engineer Seal: **PETRI A. AGNELLO**, ENGINEER, 041315

S3.12 SDP