Administrative Site Review Application



Planning and Development Customer Service Center • One Exchange Plaza, Suite 400 | Raleigh, NC 27601 | 919-996-2500

	eferenced in Unified Development Ordinance (UDO) Section and include the plan checklist document when submitting.
Office Use Only: Case #:	Planner (print):
Please review UDO Section 10.2.8. to determine the	e site plan tier. If assistance determining a Site Plan Tier is needed ed online via the Permit and Development Portal. (Note: There is a
Site Plan Tier: Tier Two Site Plan T	er Three Site Plan x
Building and Development Type	Site Transaction History
(Check all that apply)	
Detached General	Subdivision case #: SUB-0001-2023
Attached Mixed use	Scoping/sketch plan case #:
Townhouse Civic	Certificate of Appropriateness #:
Apartment Cottage Court	Board of Adjustment #:
Tiny house Frequent Transit	Zoning Case #:
Open lot Development Opti	on Design Alternate #:
Сропки	
GEN	ERAL INFORMATION
Development name: City Gateway Parking Fac	ility
Inside City limits? Yes ✔ No	
Property address(es): 130 Kindley Street, Rale	eigh, NC 27601
Site P.I.N.(s): 1703558561; 1703557221	
rooftop plaza at Kindley St., and a 264 key hotel. The auto levels. The majority of the McDowell St. level will be used and includes program space for outdoor entertainment, ea	ditions, expansions, and uses (UDO 6.1.4). ment comprised of an automated parking vehicle storage facility with a public mated parking facility has loading bays on both the McDowell and Kindley St as a self-park quick-charging EV depot. The rooftop plaza is heavily vegetated by access throughout the entire site, and two elevated viewing platforms. The lant, and lounge amenities located at both the Kindley St. plaza and McDowell
Current Property Owner(s): Robert W. Ferris	
Company: Capital City Urban Development, L	LC Title: Managing Member
Address: 333 Fayetteville St, Ste 225, Raleig	h, NC 27601
Phone #: (919) 610-2251 Ema	il: rferris@firstfloor.biz
Applicant Name (If different from owner. See "v	vho can apply" in instructions):
Relationship to owner: Lessee or contract purch	aser Owner's authorized agent Easement holder
Company: Addi	ress:

Phone #:	Email:	
NOTE: please attach purchase agreement	or contract, l	ease or easement when submitting this form.
Developer Contact: Robert W. Ferris		
Company: Capital City Urban Developm	ent, LLC	Title: Managing Member
Address: 333 Fayetteville St, Ste 225, F	Raleigh, NC 2	7601
Phone #: (919) 610-2251	Email: rferris	@firstfloor.biz
Applicant Name:		
Company:	Address:	
Phone #:	Email:	

	YPE + SITE DATE TABLE o all developments)
SITE DATA	BUILDING DATA
Zoning district(s) (please provide the acreage of each): DX-40-CU	Existing gross floor area (not to be demolished): 0
Gross site acreage: 1.63 AC	Existing gross floor area to be demolished: 0
# of parking spaces proposed: 779	New gross floor area: 318,321 sf
Max # parking permitted (7.1.2.C): N/A	Total sf gross (to remain and new): 318,321 sf
Overlay District (if applicable): N/A	Proposed # of buildings: 1
Existing use (UDO 6.1.4): Vacant	Proposed # of stories for each: 16
Proposed use (UDO 6.1.4): Hotel & Parking Facility	Proposed # of basement levels (UDO 1.5.7.A.6) 0

STORMWATER	INFORMATION
Imperious Area on Parcel(s): Existing (sf) Proposed total (sf) 77,100	Impervious Area for Compliance (includes ROW): Existing (sf) Proposed total (sf) 77,100

RESIDENTIAL & OVERNIGHT LODGING DEVELOPMENTS				
Total # of dwelling units:			Total # of hotel bedrooms: 264	
# of bedroom units: 1br _	2br	3br	4br or more	
# of lots:			Is your project a cottage court? Yes No	
			A frequent transit development? Yes No	

Continue to Applicant Signature Block on Page 4.

APPLICANT SIGNATURE BLOCK

Pursuant to state law (N.C. Gen. Stat. § 160D-403(a)), applications for development approvals may be made by the landowner, a lessee or person holding an option or contract to purchase or lease land, or an authorized agent of the landowner. An easement holder may also apply for development approval for such development as is authorized by the easement.

Acting as an authorized agent requires written permission from the property owner for the purposes of making this development approval and/or permit application. Written permission from the property owner to act as an authorized agent must be made available to the City of Raleigh upon request.

By submitting this application, the undersigned applicant acknowledges that they are either the property owner or one of the persons authorized by state law (N.C.G.S. 160D-403(a)) to make this application, as specified in the application. The undersigned also acknowledges that the information and statements made in the application are correct and the undersigned understands that development approvals are subject to revocation for false statements or misrepresentations made in securing the development approval, pursuant to N.C. Gen. Stat. § 160D-403(f).

The undersigned indicates that the property owner(s) is aware of this application and that the proposed project described in this application will be maintained in all respects in accordance with the plans and specifications submitted herewith, and in accordance with the provisions and regulations of the City of Raleigh Unified Development Ordinance.

The undersigned hereby acknowledges that, pursuant to state law (N.C.G.S. 143-755(b1), if this permit application is placed on hold at the request of the applicant for a period of six consecutive months or more, or if the applicant fails to respond to comments or provide additional information requested by the City for a period of six consecutive months or more, then the application review is discontinued, and a new application is required to proceed and the development regulations in effect at the time permit processing is resumed shall apply to the new application.

Signature:	Date: 5/7/24
Printed Name: Robert W. Ferris	
Signature:	Date:
Printed Name:	

City Gateway Parking Facility

is form is required when	mer Service Center • (Application
2.8. Please check the ap)ne Exchange Pl	laza, Suite 400 Raleigh, NC 27601 919-996-2500 Raleigh
1.350 IIIV 1.350 II'	opropriate building	types and in	nced in Unified Development Ordinance (UDO) Section nclude the plan checklist document when submitting. Planner (print):
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	I Development Ty all that apply)	pe	Site Transaction History
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Attached Townhouse	Mixed use Civic		Scoping/sketch plan case #: Certificate of Appropriateness #:
Apartment	Cottage Co	urt	Board of Adjustment #: Zoning Case #:
Tiny house	Frequent To Developme		Design Alternate #:
Open lot			
evelopment name: City	 Gateway Parkir		LINFORMATION
	s 🗸 No	9	
roperty address(es):			
ite P.I.N.(s):			
ty Gateway Parking Facility oftop plaza at Kindley St., ar vels. The majority of the McI di includes program space for and hotel will be 16 stories, it levels. urrent Property Owner of the McI divided in the levels.	proposes a phased ond a 264 key hotel. T Dowell St. level will b or outdoor entertainm 264 keys, with retail, (s): Robert W. F	development co he automated pe used as a se nent, easy acce restaurant, and	s, expansions, and uses (UDO 6.1.4). omprised of an automated parking vehicle storage facility with a public parking facility has loading bays on both the McDowell and Kindley S lift-park quick-charging EV depot. The rooftop plaza is heavily vegetativess throughout the entire site, and two elevated viewing platforms. The dounge amenities located at both the Kindley St. plaza and McDowell.
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			an apply" in instructions):
eiationsnip to owner: 🔲	Lessee or contrac	ι purchaser	Owner's authorized agent Easement holder
ompany:		Address:	
hone #:		Email:	
OTE: please attach pur eveloper Contact: Rob		t or contrac	ct, lease or easement when submitting this form.
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	(/		YPE + SITE DATE TABLE o all developments)
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Pursuant to state law by the landowner, a la agent of the landowner as is authorized by the Acting as an authorized agent muss By submitting this development app authorized agent muss the application are correct for false statements of Stat. § 160D-403(f). The undersigned indicescribed in this application is placed of the applicatio	RESIDENTIAL 2br	3br	Existing (sf) Proposed total (sf)

Printed Name:

130 Kindley St. Raleigh, NC 27601

City of Raleigh Administrative Site Review ASR Case #: ASR-xxxx-2024 First Submittal: 05/08/2024



NOTES:

- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH AND NCDOT
- STANDARDS AND SPECIFICATIONS IF APPLICABLE.
 THE CONTRACTOR SHALL OBTAIN A RIGHT-OF-WAY PERMIT FOR ANY WORK

OR RECORDING OF ANY PLAT FOR THIS DEVELOPMENT.

- WHICH REQUIRES THE CLOSURE OF A TRAVEL LANE(S), PARKING SPACE, OR SIDEWALK FROM RIGHT-OF-WAY SERVICES AT LEAST 48 HOURS IN ADVANCE.

 4. NO WORK WILL BE ALLOWED WITHIN NCDOT ROW UNTIL ALL ENCROACHMENT
- AGREEMENTS ARE APPROVED BY NCDOT.

 IF CONSTRUCTION PLANS FOR PUBLIC AND PRIVATE STREETS OR UTILITIES SHOWN ON THIS PLAN ARE REQUIRED, THEY MUST BE APPROVED BY THE PUBLIC WORKS DEPARTMENT AND PUBLIC UTILITIES DEPARTMENT PRIOR TO ISSUANCE OF PERMITS
- 6. FIELD ADJUSTMENTS TO THIS PLAN MAY BE REQUIRED BY CITY OF RALEIGH INSPECTOR AS NEEDED DURING CONSTRUCTION.
- 7. ALL PROPOSED CURB AND GUTTER WITHIN PUBLIC RIGHT OF WAY SHOWN ON PLANS TO BE 30" CITY OF RALEIGH STANDARD CONCRETE CURB AND GUTTER, AND ALL OTHER PROPOSED CURB AND GUTTER TO BE 24" CONCRETE CURB AND GUTTER UNLESS OTHERWISE STATED ON PLANS.
- 8. ALL DIMENSIONS SHOWN ARE TO BACK OF CURB, UNLESS OTHERWISE STATED ON PLANS.9. WITHIN THE SIGHT TRIANGLES SHOWN ON THIS PLAN, NO OBSTRUCTION
- BETWEEN 2 FEET AND 8 FEET IN HEIGHT ABOVE THE CURB LINE ELEVATION SHALL BE LOCATED IN WHOLE OR PART. OBSTRUCTIONS INCLUDE BUT ARE NOT LIMITED TO ANY BERM, FOLIAGE, FENCE, WALL, SIGN, OR PARKED VEHICLE.
- UNLESS NOTED, ACCESS ROUTE FOR EMERGENCY VEHICLES SHALL PROVIDE AN INSIDE TURNING RADIUS OF 28' MINIMUM.
 TRASH AND CARDBOARD DUMPSTER(S) ENCLOSURE SHALL COMPATIBLE WITH
- MATERIAL AND/OR COLOR OF THE PRÍNCIPAL BUILDING.

 12. ALL HVAC UNITS SHALL BE SCREENED FROM VIEW OF THE PUBLIC RIGHT OF WAY.

 13. CONTRACTOR TO FIELD LOCATE AND VERIFY ALL EXISTING UTILITIES PRIOR TO
- CONTRACTOR TO FIELD LOCATE AND VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND REPORT ANY DISCREPANCIES TO LANDSCAPE ARCHITECT PRIOR TO ANY CONSTRUCTION ACTIVITIES. CONTACT NC ONE AT 811 FOR FIELD LOCATION OF UNDERGROUND UTILITIES.
 HANDICAP PARKING SPACE(S) AND HC ACCESS AISLE(S) SHALL BE NO GREATER
- THAN TWO PERCENT (2%) PITCH IN ANY DIRECTION(S) AS PER ADA STANDARDS.

 15. PROVIDE SIGNAGE AND STRIPING OF HANDICAP SPACES AS PER ADA STANDARDS.

 16. ALL RETAINING WALLS GREATER THAN 30" IN HEIGHT TO INCLUDE SAFETY RAIL OR FENCE. NO RETAINING WALLS ARE PERMITTED IN THE RIGHT-OF-WAY UNLESS

APPROVED BY ENCROACHMENT.

- 17. THE MINIMUM CORNER CLEARANCE FROM THE CURB LINE OF INTERSECTING STREETS SHALL BE AT LEAST 20 FEET FROM THE POINT OF TANGENCY OF THE CURB FOR RESIDENTIAL DRIVEWAY. NO DRIVEWAYS SHALL ENCROACH ON THIS MINIMUM CORNER CLEARANCE.
- 18. WC ACCESS RAMPS WILL BE PROVIDED IN ACCORDANCE WITH CITY OF RALEIGH PUBLIC WORKS DEPARTMENT STANDARDS, PROWAG STANDARDS AND ADAAG SPECIFICATIONS
- ALL RAMPS AND HANDRAILS SHALL BE CONFORM TO ANSI STANDARDS.
 ALL ABOVE GROUND UTILITY DEVICES (TO INCLUDE BUT NOT LIMITED TO TELEPHONE AND CABLE PEDESTALS, ELECTRICAL TRANSFORMERS, BACKFLOW DEVICE HOTBOX, ETC) SHALL BE SCREENED FROM OFF-SITE VIEW BY EVERGREEN SHALL BE SCREENED FROM OFF-SITE VIEW BY EVERGREEN
- 21. ALL SIDEWALKS MUST BE ACCESSIBLE TO PERSONS WHO ARE BLIND, HAVE LOW VISION AND PEOPLE WITH MOBILITY DISABILITIES. PEDESTRIAN EXISTING ROUTES AND ALTERNATE PEDESTRIAN ROUTES DURING CONSTRUCTION WILL BE REQUIRED TO BE COMPLIANT WITH THE PUBLIC RIGHTS OF WAY ACCESSIBILITY GUIDELINES (PPOWAG), 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
 22. IF UNFORESEEN CONDITIONS DEVELOP DURING CONSTRUCTION, REFER TO "CITY

OF RALEIGH STREET DESIGN MANUAL" AND CONTACT PUBLIC WORKS

DEPARTMENT FOR FURTHER GUIDANCE.

- 23. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE CITY OF RALEIGH PUBLIC WORKS DEPARTMENT / TRANSPORTATION FIELD SERVICES STAFF TO REVIEW THE SPECIFIC COMPONENTS OF THE PLAN AND OPERATION OF THESE FACILITIES DURING CONSTRUCTION. CONTACT ENGINEERING INSPECTIONS AT 919.996.2409 TO SET
- 24. THE CONTRACTOR SHALL CONDUCT THE WORK IN A SAFE MANNER AND WITH A MINIMUM AMOUNT OF INCONVENIENCE TO TRAFFIC.
 25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL AND SHALL ADJUST OF THE PROJECT OF
- ADHERE TO THE PROVISIONS OF THE MUTCD (MOST CURRENT EDITION).

 26. ANY TEMPORARY STREET CLOSURE MUST BE SUBMITTED A MINIMUM OF 2 WEEKS PRIOR TO THE START OF WORK. SEE "RIGHT-OF-WAY CLOSURES" ON WWW.RALEIGHNC.GOV. COMPLETE AND SEND THE RIGHT-OF-WAY OBSTRUCTION PERMIT TO RIGHTOFWAYSERVICES@RALEIGHNC.GOV.

27. PRIOR TO CONSTRUCTION BEGINNING, ALL SIGNAGE AND TRAFFIC CONTROL SHALL BE IN PLACE

CONTACT INFO:

OWNER

CAPITAL CITY URBAN DEVELOPMENT LLC
CONTACT: ROBERT FERRIS, AIA, REFP, LEED AF
ADDRESS: 333 FAYETTEVILLE ST.

RALEIGH, NC 2760 HONE: PHONE

CIVIL ENGINEER:

URBAN DESIGN PARTNERS PLLC

CONTACT: SALMAN MOAZZAM, PE

STE 1310 RALEIGH, NC 27601 NNE: 919-275-5002

ADDRESS: 150 FAYETTEVILLE ST.

SFL+A

CONTACT: PATRICIA BREZNY, LEED AP BD+C

ADDRESS: 333 FAYETTEVILLE ST.

STE 225

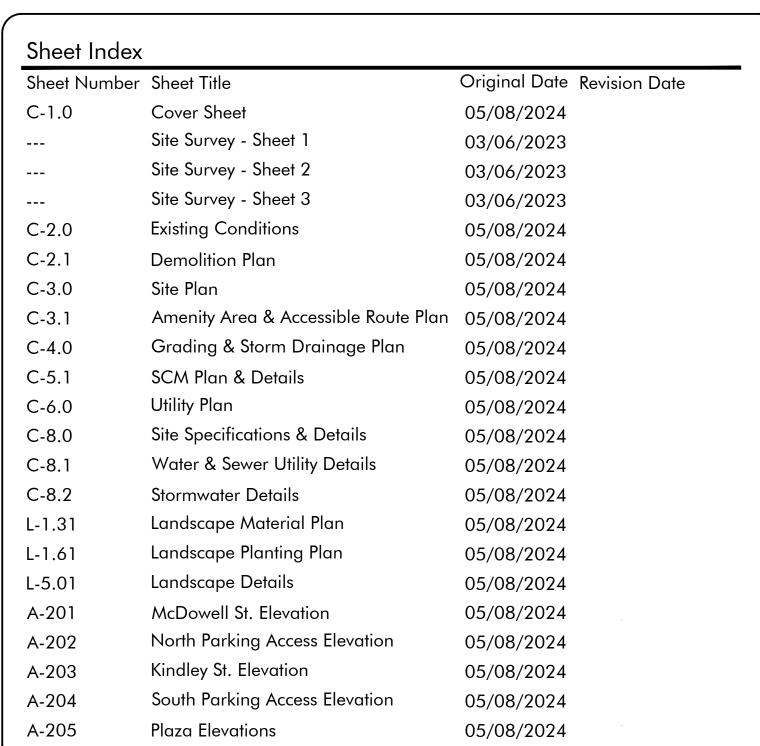
RALEIGH, NC 2760

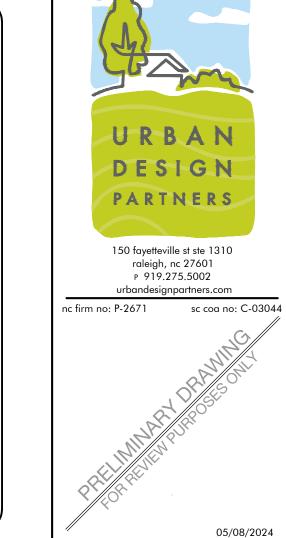
PHONE: 919-573-6363

LANDSCAPE ARCHITECT:
SURFACE 678
CONTACT: CHARLIE BRADLEY, PLA
ADDRESS: 215 MORRIS STREET

ADDRESS: 215 MORRIS STREET
STE 150
DURHAM, NC 27701
PHONE: 919-282-9127

TAX PARCEL ID #:	1703558561; 1703557221
EXISTING ZONING:	DX-40-CU
PROPOSED ZONING:	DX-40-CU
TOTAL SITE AREA:	1.63 AC
LOT AREA (MIN/MAX):	N/A
LOT WIDTH:	N/A
OUTDOOR AMENITY:	10%
PROPOSED:	SEE C-3.1
BUILDING/STRUCTURE SETBACKS:	
PRIMARY STREET:	3'
PROPOSED:	7.7' (MCDOWELL ST), 14.9' (KIN
SIDE STREET (MIN):	3'
PROPOSED:	N/A
SIDE LOT LINE (MIN):	0' OR 6'
PROPOSED:	0' (NE LOT LINE); 0.2' (SW LOT I
REAR LOT LINE (MIN):	0' OR 6'
PROPOSED:	N/A
HEIGHT:	
MAX. BUILDING HEIGHT:	40 STORIES
PROPOSED:	16 STORIES
FLOOR HEIGHT:	
GROUND STORY FLOOR HEIGHT (MIN):	13' (FLOOR TO FLOOR)
PROPOSED:	SEE ARCH PLANS
UPPER STORY FLOOR HEIGHT (MIN):	9' (FLOOR TO FLOOR)
PROPOSED:	SEE ARCH PLANS
TRANSPARENCY:	
GROUND STORY (MIN):	50%
PROPOSED:	SEE ARCH PLANS
UPPER STORY (MIN):	20%
PROPOSED:	SEE ARCH PLANS
BLANK WALL (MAX):	30'
PROPOSED:	SEE ARCH PLANS
PROPOSED USE:	HOTEL & PARKING FACILITY
BUILDING GFA:	318,321 SF
HOTEL ROOMS:	264
VEHICULAR PARKING:	
REQUIRED:	N/A
PROPOSED:	779 SPACES
BICYCLE PARKING:	
LONG-TERM:	4 MIN. OR 1 PER 20 ROOMS
PROPOSED:	4
SHORT-TERM:	NONE
PROPOSED:	0





Development LLC

City Gateway Parking Facility Administrative Site Review

DATE: BY: REVISIONS:

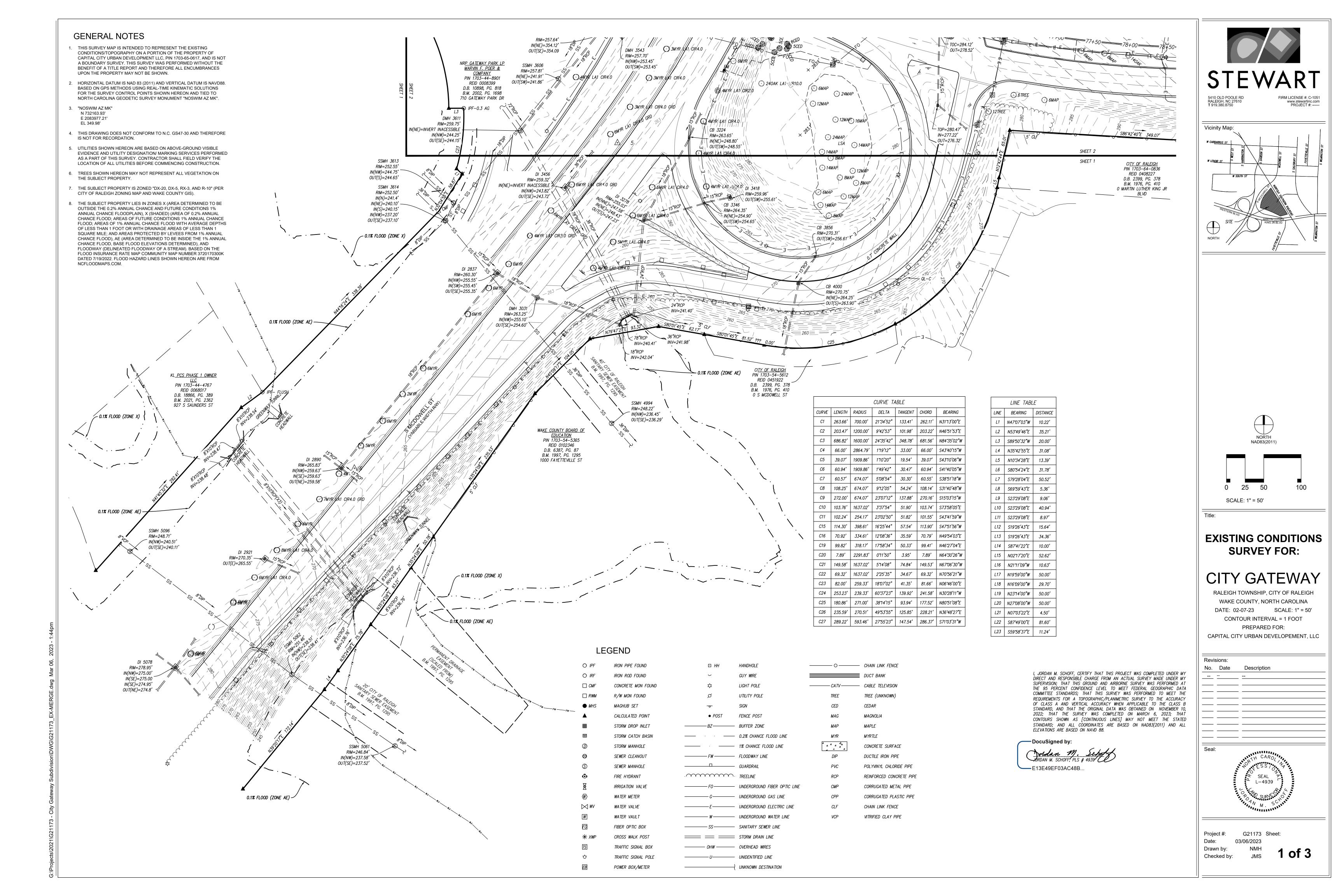
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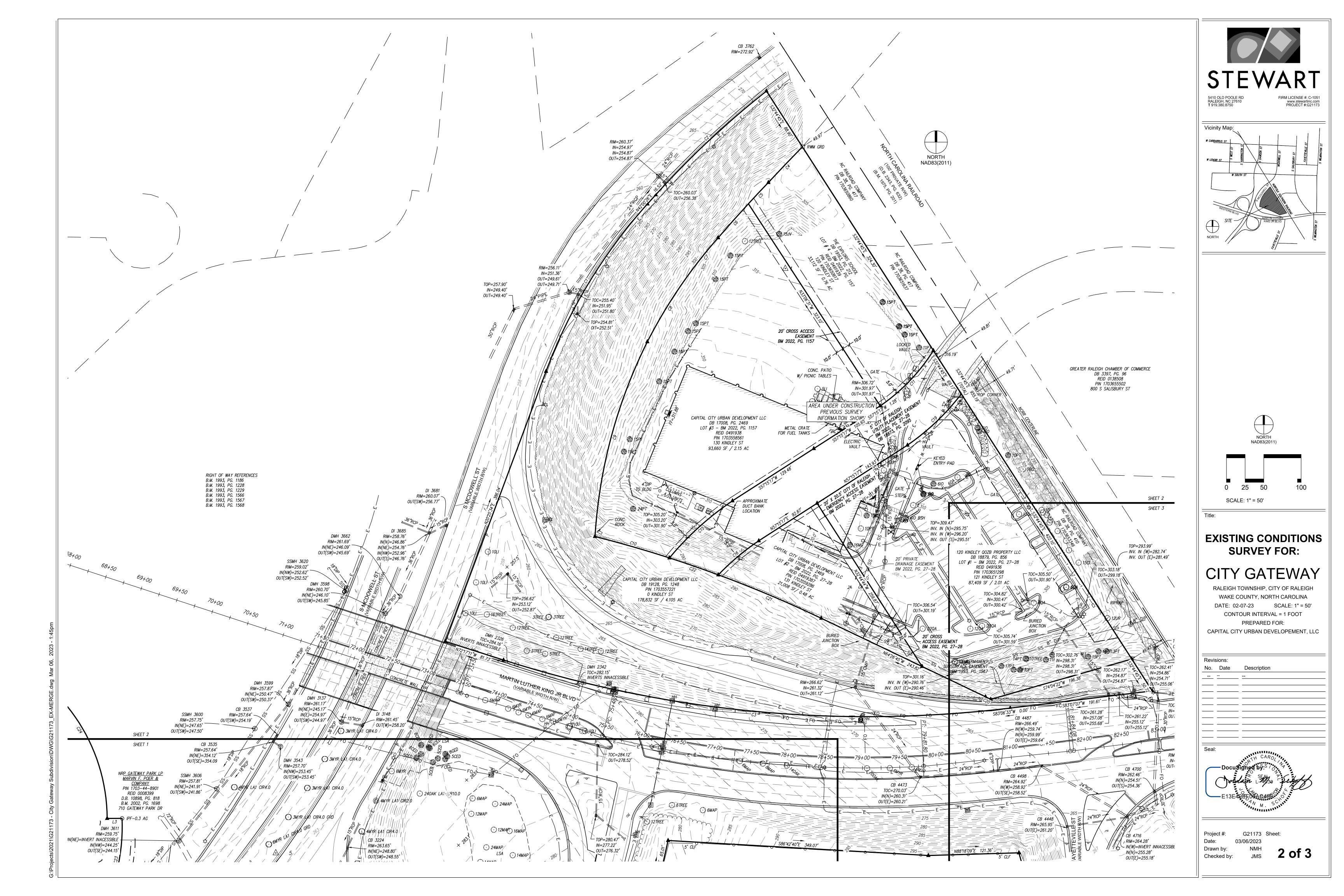
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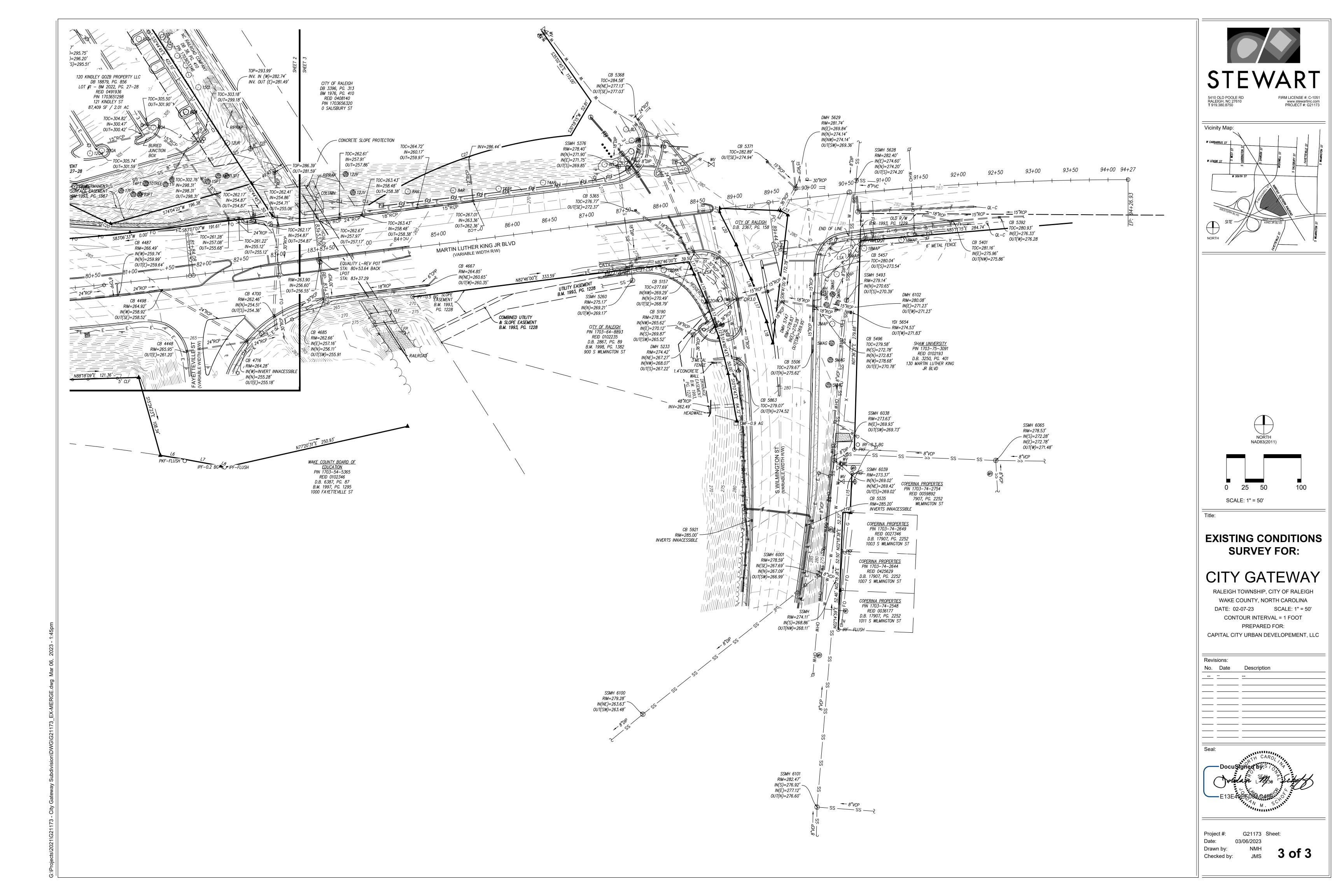
Date: 05/08/2024

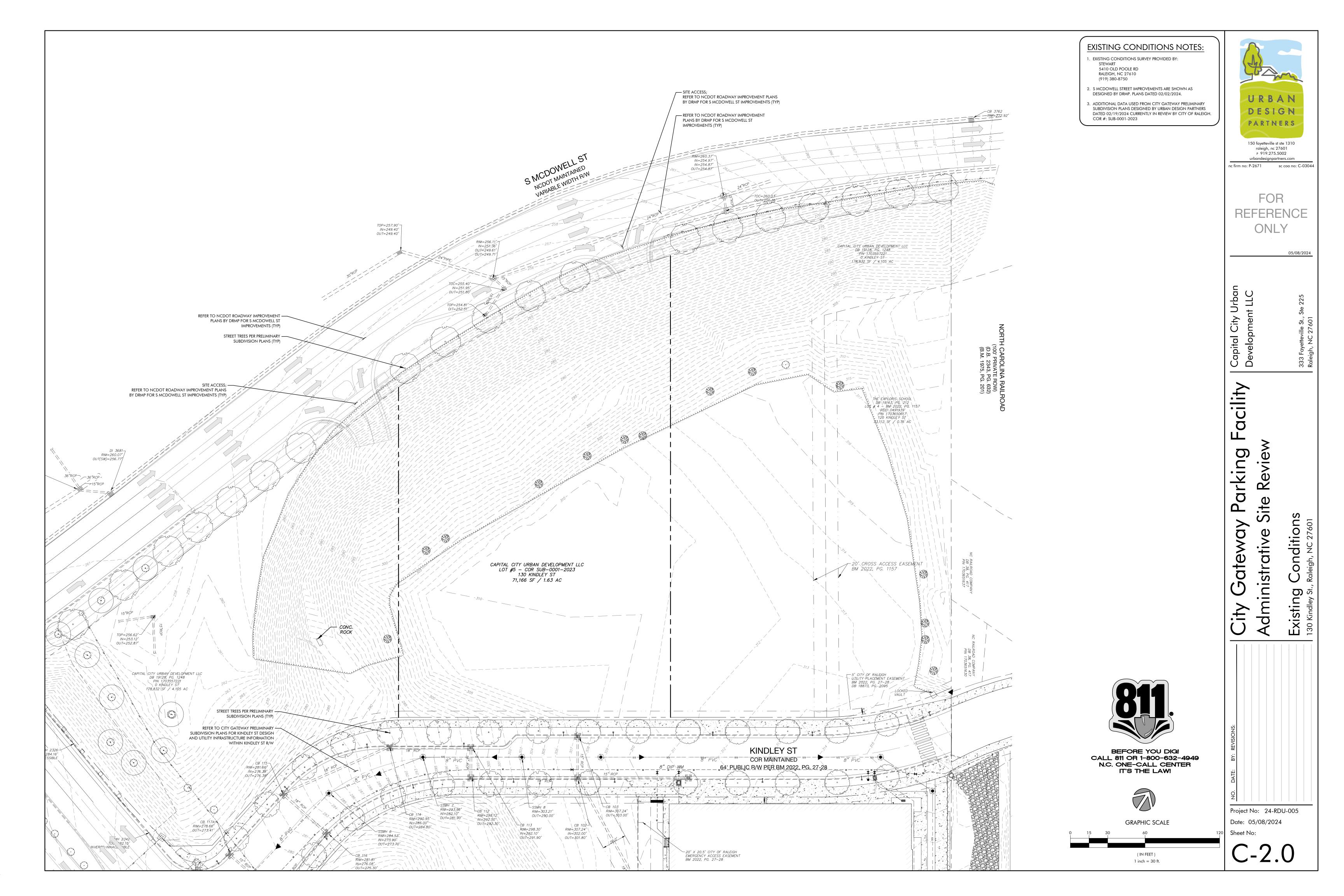
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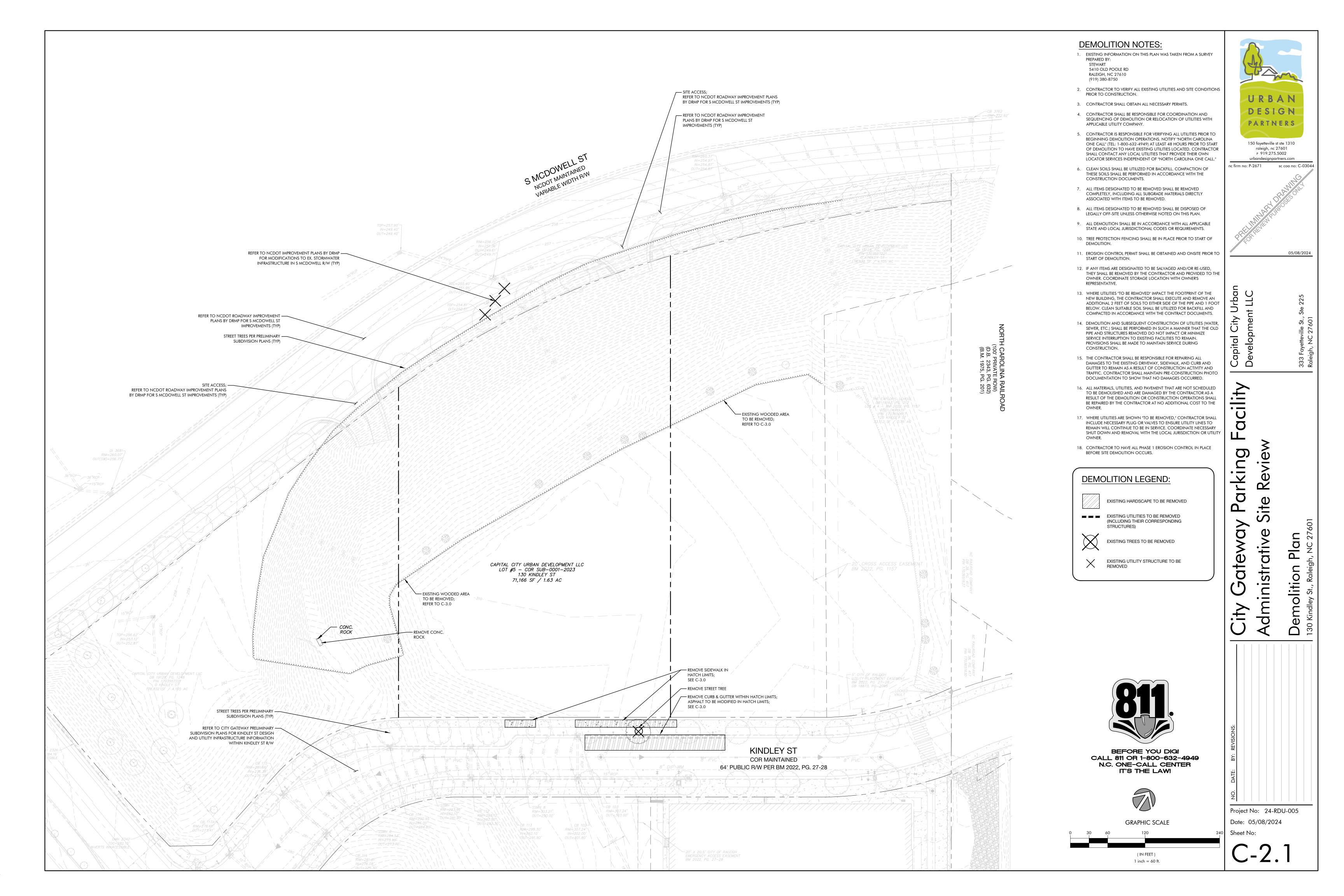
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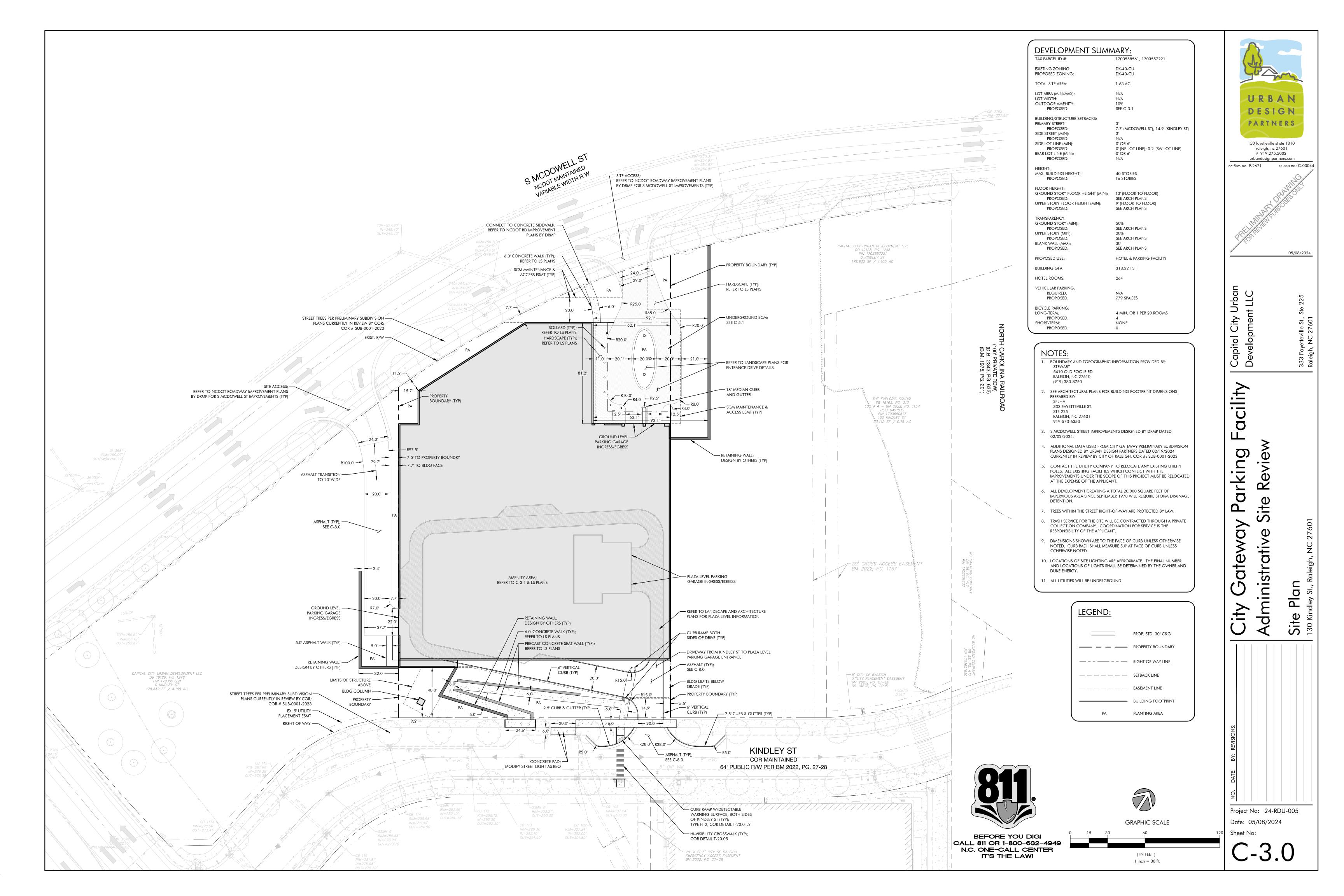


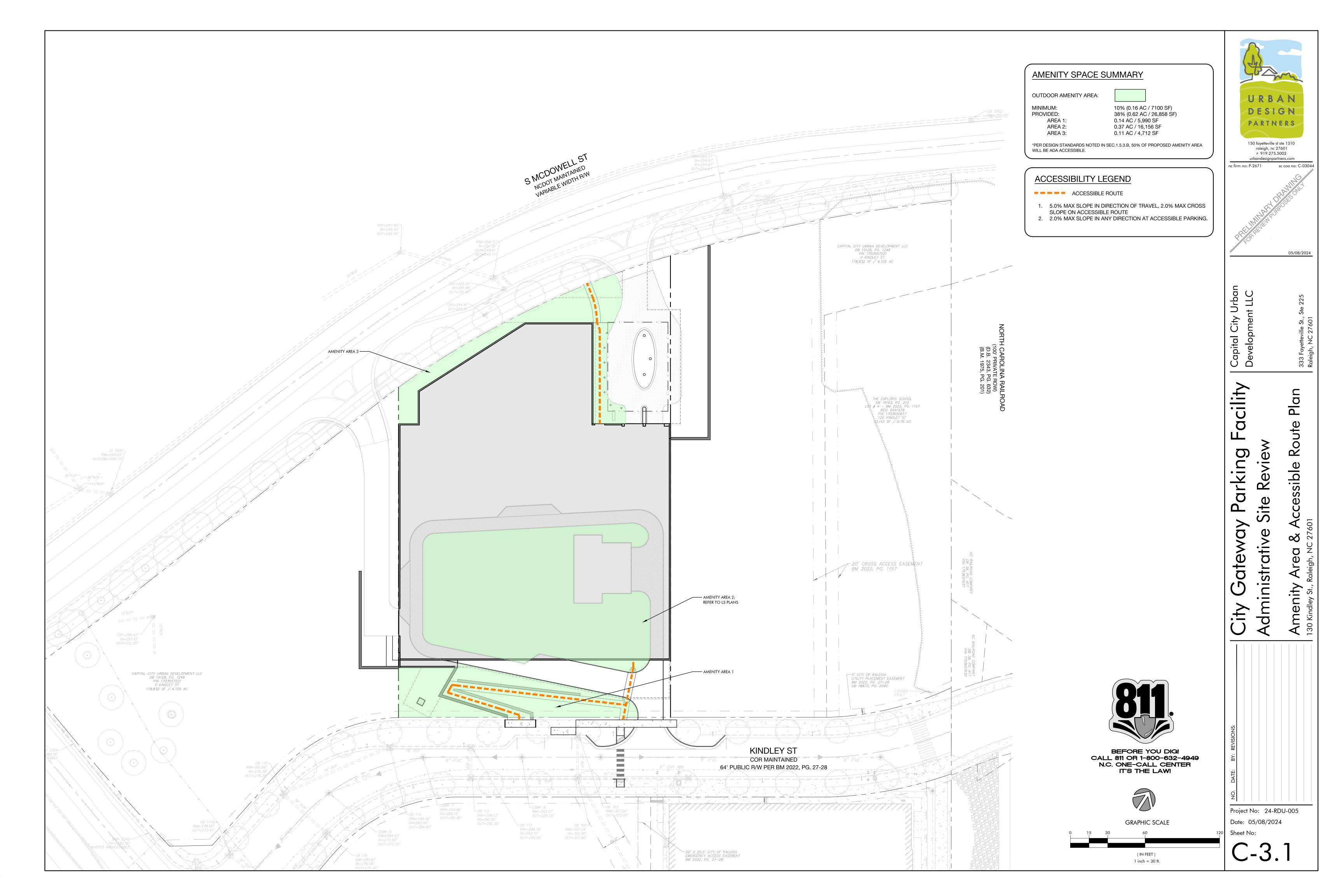


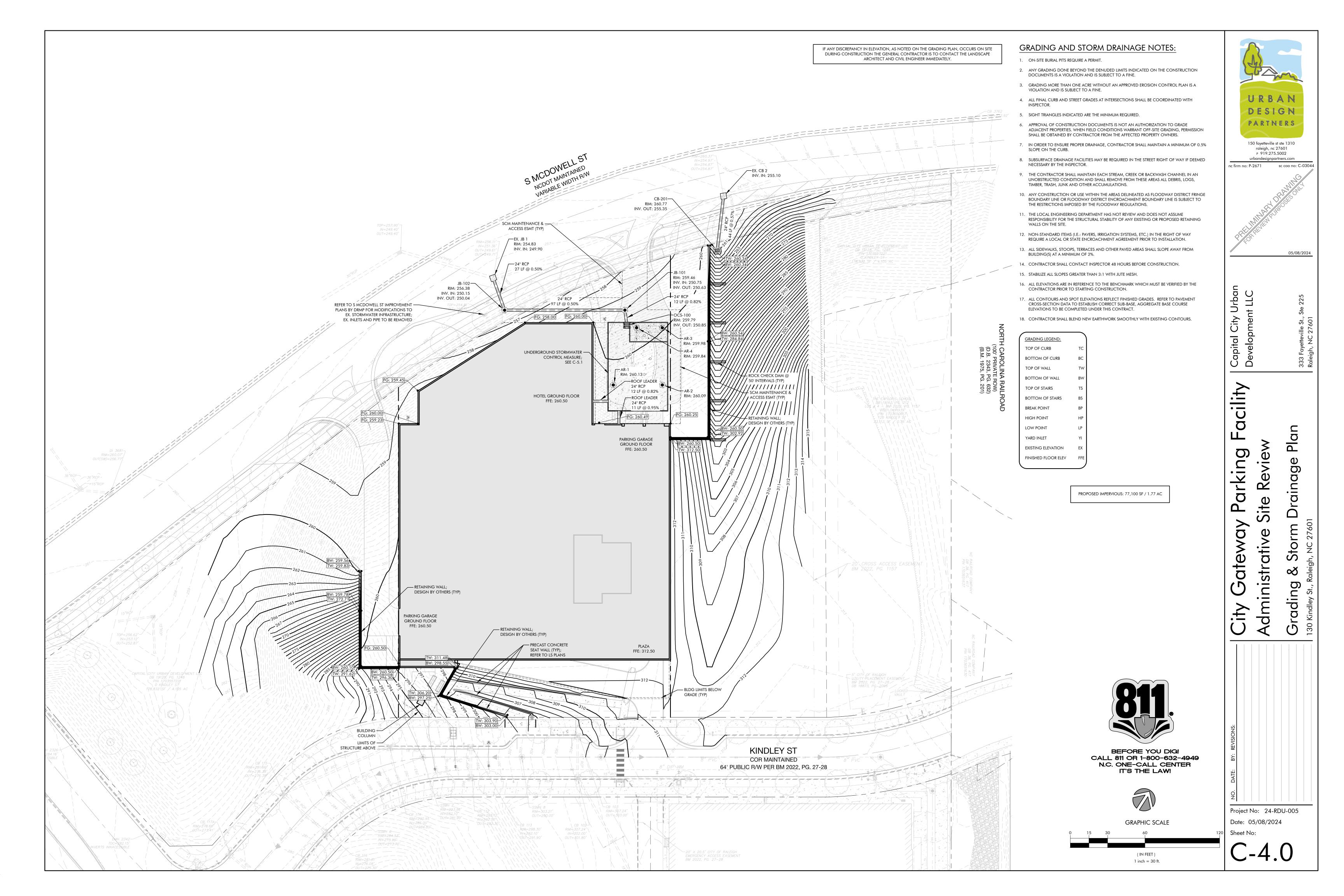


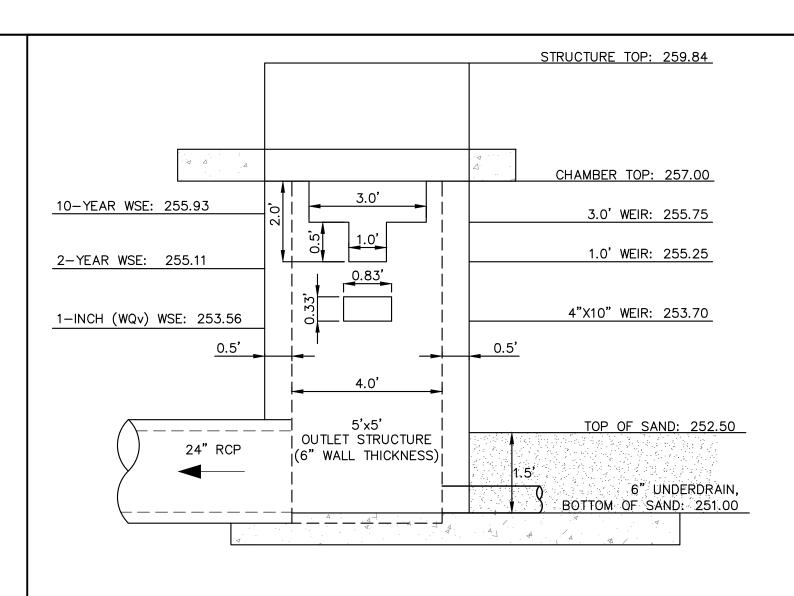




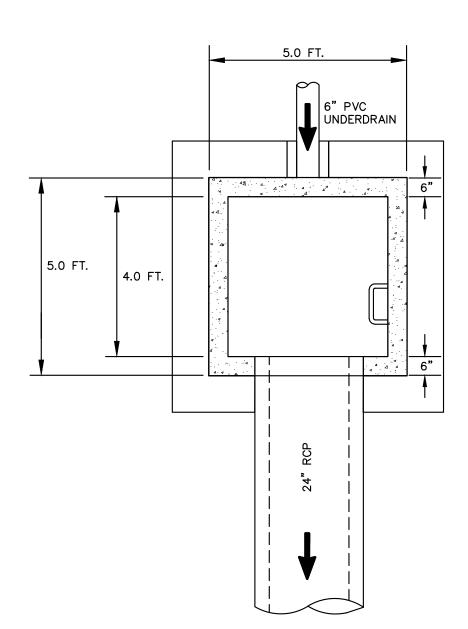




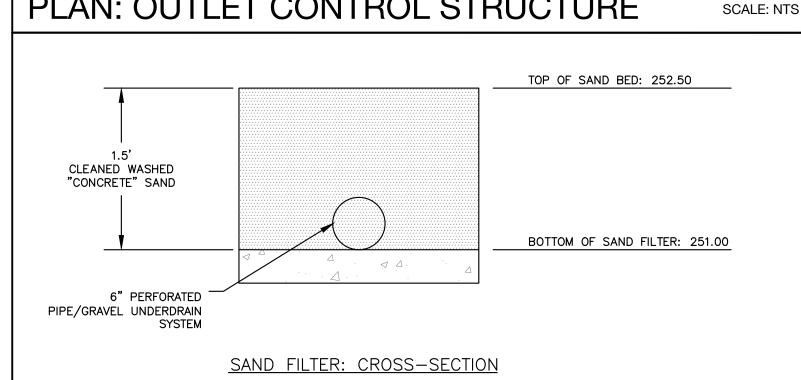




DETAIL: OUTLET CONTROL STRUCTURE



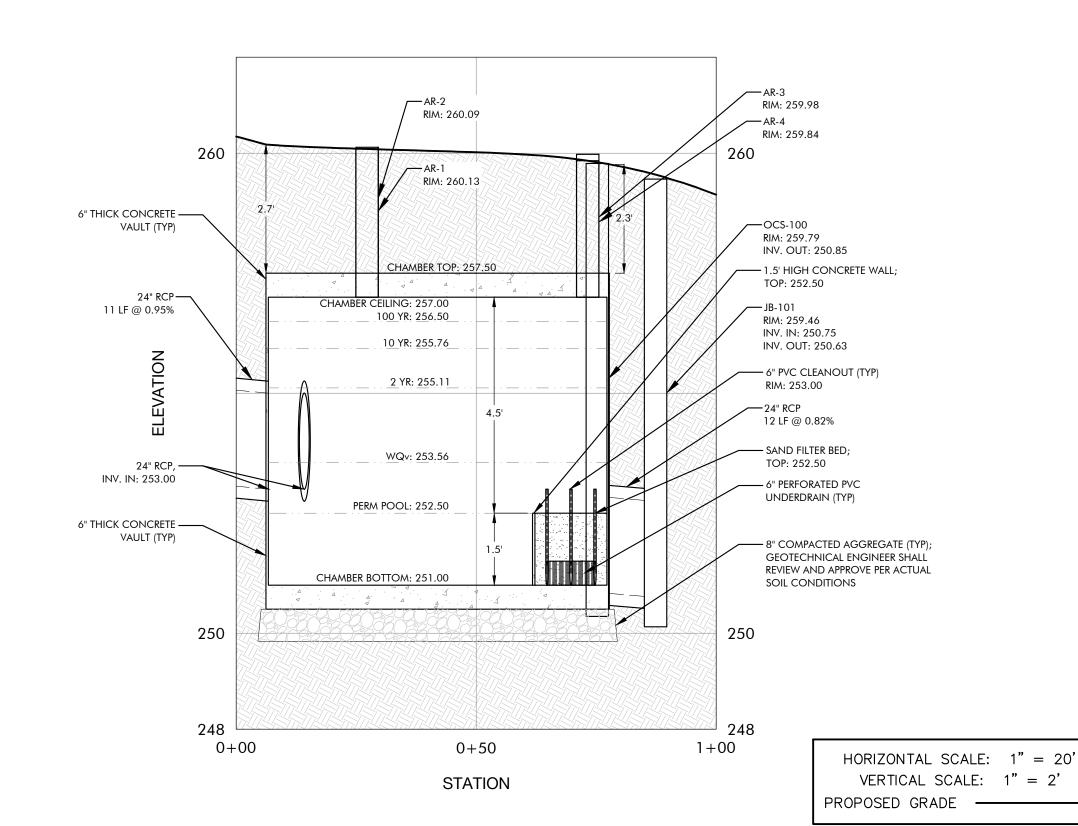
PLAN: OUTLET CONTROL STRUCTURE



- 1. "CONCRETE" SAND REFERS TO SAND THAT IS COMMONLY USED IN CONCRETE MIXES.
- 2. ALL DRAINAGE AREAS TO A SAND FILTER FACILITY ARE TO BE STABILIZED PRIOR TO INSTALLATION OF SAND.
- 3. UNDERDRAIN PIPES SHALL BE 6" PERFORATED SCHEDULE 40 PVC (PER AASHTO M278) OR DOUBLE WALL HDPE (PER AASHTO M252). PERFORATIONS SHOULD BE %" SPACED 6" ON CENTER ALONG 4 LONGITUDINAL ROWS SPACED 90° APART.

SECTION: TYPICAL SAND FILTER

INV. IN: 249.90 INV. IN: 250.15 INV. OUT: 250.04 SCM MAINTENANCE & ACCESS ESMT (TYP) 12 LF @ 0.82% RIM: 259.79 INV. OUT: 250.85 RIM: 259.46 INV. IN: 250.75 ROOF LEADER — 24" RCP INV. OUT: 250.63 DETENTION CHAMBER = BOTTOM: 251.00 TOP: 252.50 12 LF @ 0.82% RIM: 259.84 - 6" PERFORATED PVC UNDERDRAIN (TYP) PROPERTY BOUNDARY RIM: 259.98 RETAINING WALL 6" PVC CLEANOUT (TYP); DESIGN BY OTHERS (TYP) RIM: 253.00 SCM MAINTENANCE & — ACCESS ESMT (TYP) PLAN VIEW: SAND FILTER SCALE: 1" = 20'



SECTION VIEW: SAND FILTER

SCALE: NTS

SAND FILTER - OPERATION & MAINTENANCE

CONSTRUCTION

NO RUNOFF SHOULD ENTER THE FILTERS SAND BED UNTIL THE UPSTREAM DRAINAGE AREA IS COMPLETELY

AND DISTURBED AREAS WITHIN THE SAND FILTER FAC STABILIZED AND SITE CONSTRUCTION IS COMPLETED. ANY DISTURBED AREAS WITHIN THE SAND FILTER FACILITY DRAINAGE AREA MUST BE IDENTIFIED AND STABILIZED. FILTRATION CONTROLS MUST ONLY BE CONSTRUCTED AFTER THE CONSTRUCTION SITE IS STABILIZED.

SAND FILTERS SHALL BE INSPECTED QUARTERLY AND WITHIN 24 HOURS AFTER EVERY STORM EVENT GREATER THAT 1.0-INCH. RECORDS OF OPERATION AND MAINTENANCE WILL BE KEPT IN A KNOWN SET LOCATION AND AVAILABLE UPON REQUEST.

TRASH AND DEBRIS SHOULD BE REMOVED AS NECESSARY. SEDIMENT SHOULD BE CLEANED OUT OF THE SEDIMENT CHAMBER WHEN IT ACCUMULATES TO A DEPTH OF MORE THAN 6 INCHES.

WHEN THE FILTERING CAPACITY OF THE FILTER DIMINISHES SUBSTANTIALLY (E.G. WHEN WATER PONDS ON THE SURFACE OF THE FILTER BED FOR MORE THAN 24 HOURS), THE UNDERLYING 3-INCHES OF FILTER MATERIAL SHOULD BE REMOVED AND REPLACED WITH FRESH MATERIAL. THE REMOVED SEDIMENTS SHOULD BE TESTED AND DISPOSED OF IN AN ACCEPTABLE MANNER (E.G. LANDFILL). SILT/SEDIMENT SHOULD BE REMOVED FROM THE FILTER BED WHEN THE ACCUMULATION EXCEEDS 1-INCH.

THE SAND MEDIA SHALL BE SKIMMED AT LEAST ONCE A YEAR.

VEGETATION WITHIN THE SEDIMENTATION CHAMBER SHOULD BE REMOVED, PREFERABLY BY HAND. PESTICIDES SHOULD BE WIPED ON PLANTS RATHER THAN SPRAYING.

DIRECT MAINTENANCE ACCESS SHOULD BE PROVIDED TO THE PRETREATMENT AREA AND THE FILTER BED.

STRUCTURE SHALL BE CAST IN PLACE CONCRETE. CHANGES TO CONSTRUCTION TYPE SHALL BE APPROVED BY THE CITY OF RALEIGH. A PROFESSIONAL ENGINEER SHALL CERTIFY CONSTRUCTION OF THE STRUCTURE UPON COMPLETION.

CONSTRUCTION SPECIFICATIONS

1. THE FOUNDATION AREA SHALL BE CLEARED OF TREES, LOGS, STUMPS, ROOTS, BOULDERS, SOD AND UNSUITABLE SOIL IF NEEDED TO ESTABLISH VEGETATION, THE TOPSOIL SHALL BE STOCKPILED AND SPREAD ON THE COMPLETED DAM AND SPILLWAYS. THE FOUNDATION AREA SHALL BE THOROUGHLY SCARIFIED BEFORE PLACEMENT OF THE FILL MATERIAL.

2. EXISTING STREAM CHANNELS IN THE FOUNDATION AREA SHALL BE SLOPED NO STEEPER THAN A RATIO OF ONE HORIZONTAL TO ONE VERTICAL. THEY SHALL BE DEEPENED AND WIDENED AS NECESSARY TO REMOVE ALL STONES, GRAVEL, SAND, STUMPS, ROOTS, AND OTHER OBJECTIONABLE MATERIAL AND TO ACCOMMODATE COMPACTION EQUIPMENT. FOUNDATION AREAS SHALL BE KEPT FREE OF STANDING WATER WHEN FILL IS PLACED ON THEM. THE BORROW AREAS SHALL BE CLEARED OF STUMPS, ROOTS AND UNSUITABLE SOIL. THE WATER QUALITY BASIN SHALL BE CLEARED AND ALL STUMPS REMOVED.

3. BEFORE FILLING OPERATIONS BEGIN, THE SOILS ENGINEER WILL TAKE REPRESENTATIVE SAMPLES OF EACH PROPOSED FILL MATERIAL AND TEST THEM TO DETERMINE THE COMPACTION AND CLASSIFICATION CHARACTERISTICS (PROCTOR TEST). ONLY THOSE MATERIALS AS APPROVED BY THE SOILS ENGINEER WILL BE USED AS FILL ON THE DAM. GENERALLY SM OR SC CLASSIFICATION SOILS WILL BE ACCEPTABLE. COMPACTED EARTH FILLS SHALL BE CONSTRUCTED TO THE ELEVATIONS, LINES, GRADES AND CROSS SECTIONS INDICATED ON

4. AFTER STRIPPING OF FOUNDATIONS AND REMOVAL OF WEAK OR UNSUITABLE MATERIALS HAS BEEN COMPLETED, AND BEFORE START OF MATERIAL PLACEMENT, COMPACTED EARTH SHALL BE USED TO FILL ALL STUMP HOLES, MINOR EXCAVATIONS AND DEPRESSIONS FOR CAVITIES INSIDE THE EARTH FILL LIMITS.

5. FILL SHALL BE PLACED IN HORIZONTAL LAYERS OF NOT MORE THAN (9") LOOSE DEPTH. AS SOON AS FEASIBLE AFTER STARTING CONSTRUCTION OF A FILL SLOPE THE CENTRAL PORTION THEREOF SHALL BE BUILT AND MAINTAINED SLIGHTLY HIGHER THAN THE SIDES TO ALLOW FREE DRAINAGE TO THE SIDE SLOPES.

6. EACH LAYER OF FILL SHALL BE COMPACTED BY ROLLING WITH COMPACTION EQUIPMENT WHICH IS BEST SUITED FOR THE TYPES OF SOIL ENCOUNTERED. FILL ADJACENT TO PIPE CONDUIT AND ANTISEEP COLLARS SHALL BE COMPACTED BY HAND. EACH LAYER OF FILL SHALL BE COMPACTED TO NOT LESS THAN 95% MAXIMUM DRY DENSITY (STANDARD PROCTOR) WITHIN 2% OF OPTIMUM MOISTURE CONTENT. WETTING OR DRYING OF THE MATERIAL AND MANIPULATION TO SECURE UNIFORM MOISTURE CONTENT THROUGHOUT EACH LAYER SHALL BE REQUIRED. DENSITY TESTS WILL BE PERFORMED AT A FREQUENCY AS SPECIFIED BY THE SOILS ENGINEER, AS A MINIMUM, TESTS WILL BE PERFORMED ON EVERY THIRD LIFT OR EVERY 1000 CUBIC YARDS WHICHEVER COMES FIRST. ALSO DENSITY TEST WILL BE PERFORMED WHENEVER FILL MATERIAL CHARACTERISTICS

B. OUTLET DEVICE

1. OUTLET DEVICE COMPONENTS ARE TO FABRICATED AS SHOWN ON THE PLANS.

2. CONTRACTOR TO SUBMIT DESIGNED SHOP DRAWINGS TO THE CIVIL ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION TO THE OUTLET DEVICE. SHOP DRAWINGS SHOULD INCLUDE PRECAST BOX DESIGN, TRASH RACK, GRATED COVER, ALUMINUM STEPS, AND ALL DRAIN/ORIFICE PIPING REQUIRED.

C. CONCRETE

1. ALL CONCRETE SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR READY MIXED CONCRETE, ASTM C 94. AN AIR-ENTRAINING ADMIXTURE SHALL BE ADDED. THE CONCRETE SHALL BE PROPORTIONED TO MEET THE FOLLOWING REQUIREMENTS: COMPRESSIVE STRENGTH: MINIMUM 3600 PSI

WATER-CEMENT RATIO: 0.40 - 0.50 SLUMP: MINIMUM 3", MAXIMUM 5" AIR CONTENT: MINIMUM 5%, MAXIMUM 8% COARSE AGGREGATE: 1" - 1 1/2"

D. GRASSING

1. GRASS ALL AREAS DISTURBED BY CONSTRUCTION PER SPECIFICATION OF EROSION CONTROL DETAIL SHEET. E. PLANTING

1. PLANTINGS ARE DESIGNED PER THE GUIDANCE OF THE HARP (HABITAT ASSESSMENT AND RESTORATION PROGRAM) MANUAL.

2. ADDITIONAL PLANTING INFORMATION CAN BE FOUND IN TABLE 2.2 OF THE NORTH CAROLINA BEST MANAGEMENT PRACTICES GUIDELINES.

SCM INSET TABLE - SAND FILTER

PROJECT NAME: CITY GATEWAY PARKING FACILITY DRAINAGE AREA (AC): 1.35 AC LAND USE/DEVELOPMENT TYPE: COMMERCIAL DRAINAGE AREA BUILT-UPON AREA: 100% SAND AREA REQUIRED: 399 SF SAND AREA PROVIDED: 450 SF SAND FILTER TYPE: UNDERGROUND CHAMBER MAXIMUM DEPTH: 6.0 FT 1.5 FT MEDIA DEPTH: TREATMENT EFFECTIVENESS 85% TSS FOREBAY REQUIRED: 308 SF FOREBAY PROVIDED: 2800 SF

PARTNERS 150 fayetteville st ste 1310 raleigh, nc 27601

Р 919.275.5002 nc firm no: P-2671 05/08/2024

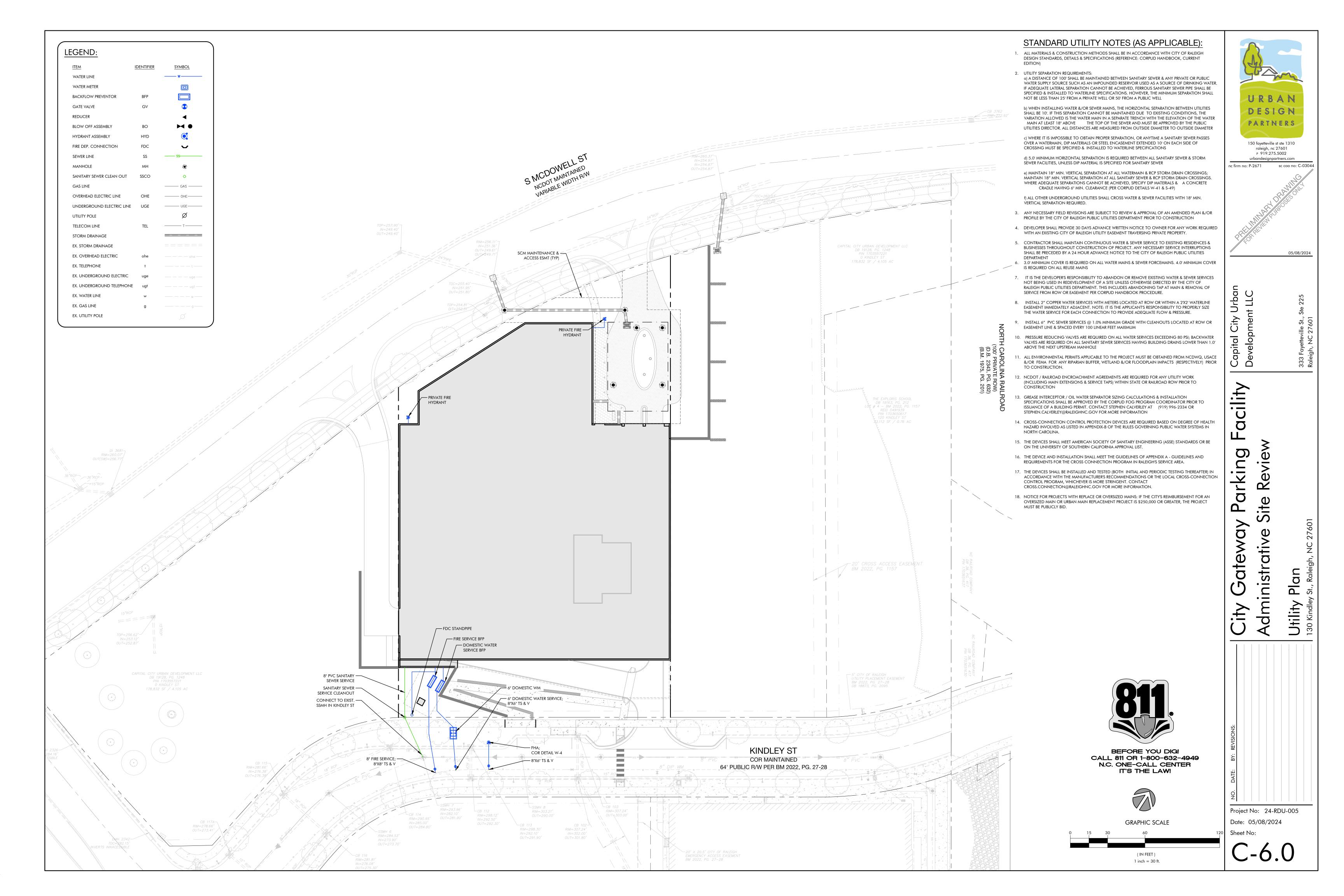
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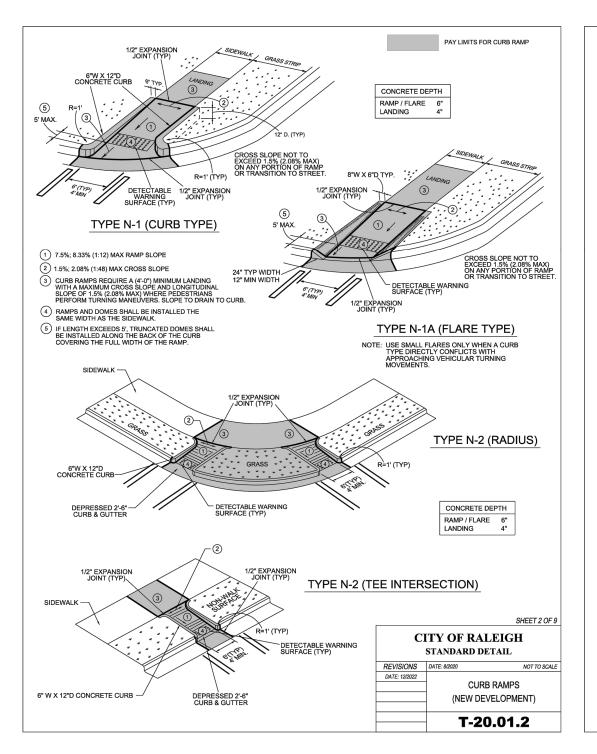
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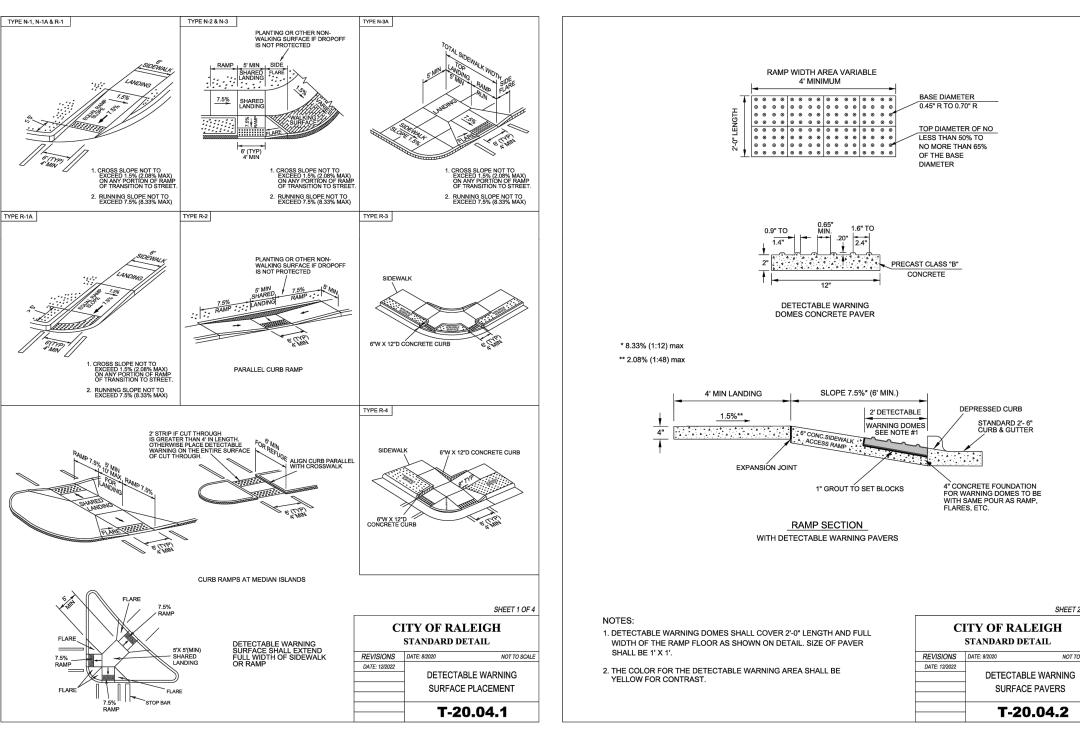


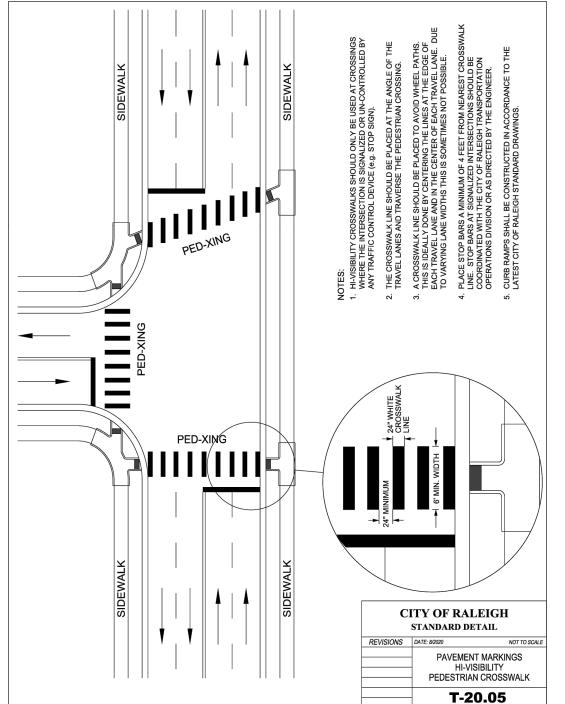


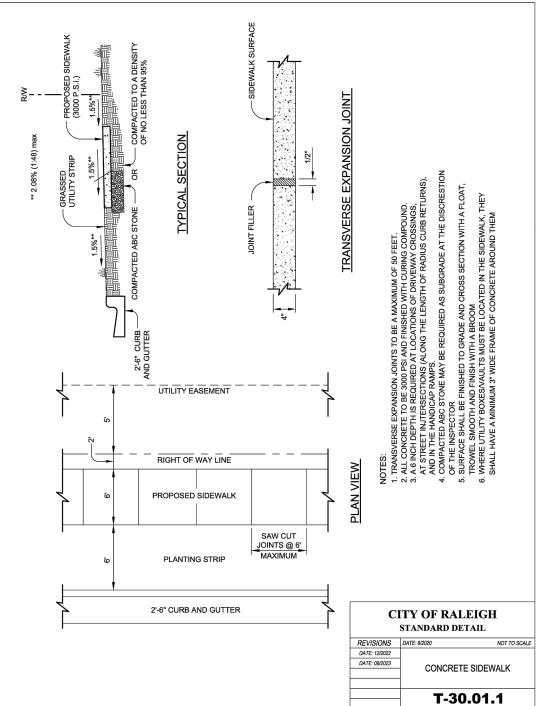
CITY OF RALEIGH **CURB RAMPS GENERAL NOTES**

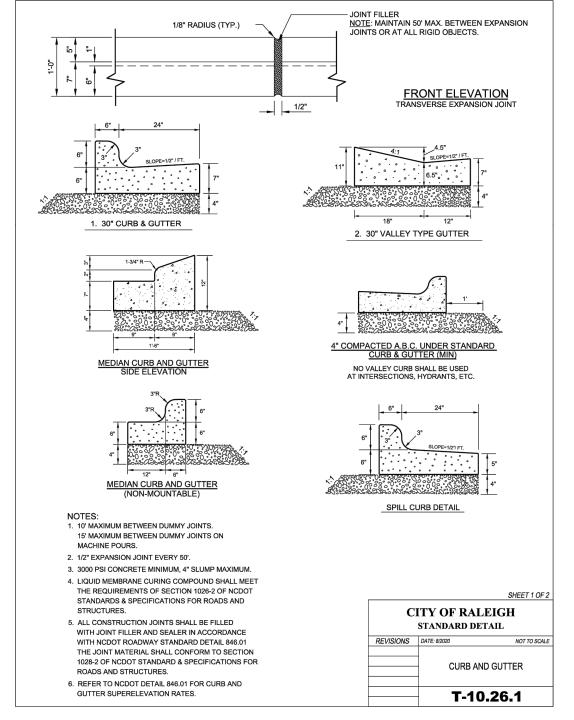
- 1. CITY OF RALEIGH STANDARD CURB RAMPS HAVE BEEN DEVELOPED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND PUBLIC RIGHT OF WAY ACCESS GUIDELINES (PROWAG).
- 2. CURB RAMPS SHALL BE PROVIDED AT LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. SIDEWALK ACCESS RAMPS SHALL BE LOCATED AS INDICATED IN THE DETAIL, HOWEVER, THE LOCATION MAY BE ADJUSTED IN COORDINATION WITH THE CITY OF RALEIGH WHERE EXISTING LIGHT POLES, FIRE HYDRANTS, DROP INLETS, ETC. AFFECT
- 3. DOUBLE WHEELCHAIR RAMPS ARE TO BE INSTALLED AT ALL PUBLIC STREET INTERSECTIONS WHERE SIDEWALK IS REQUIRED.
- 4. THE WALKING SURFACE SHALL BE SLIP RESISTANT. THE COLOR FOR THE DETECTABLE WARNING AREA SHALL BE YELLOW FOR CONTRAST.
- 5. NO SLOPE ON THE SIDEWALK ACCESS RAMP SHALL EXCEED 1"/FT (12:1) IN RELATIONSHIP TO THE GRADE OF THE STREET.
- 6. IN NO CASE SHALL THE WIDTH OF THE SIDEWALK ACCESS RAMP BE LESS THAN 48" ALL RAMPS SHALL BE INSTALLED THE SAME WIDTH AS THE SIDEWALK.
- 7. USE CLASS A (3000 PSI) CONCRETE WITH A SIDEWALK FINISH IN ORDER TO OBTAIN A ROUGH NONSKID SURFACE.
- 8. A 1/2" EXPANSION JOINT INSTALLED FULL DEPTH WILL BE REQUIRED WHERE THE CONCRETE SIDEWALK ACCESS RAMP JOINS THE CURB AND ALSO WHERE NEW CONCRETE ABUTS EXISTING CONCRETE.
- 9. CURB RAMPS SHOULD BE PLACED PARALLEL TO THE DIRECTION

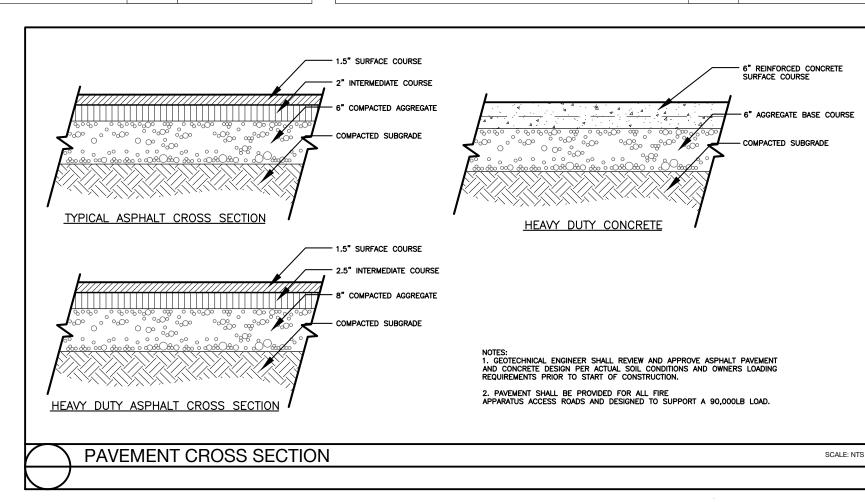
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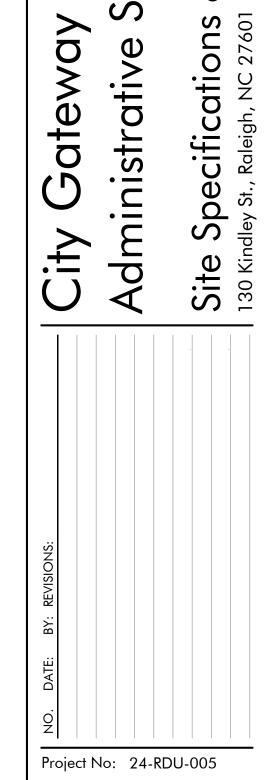
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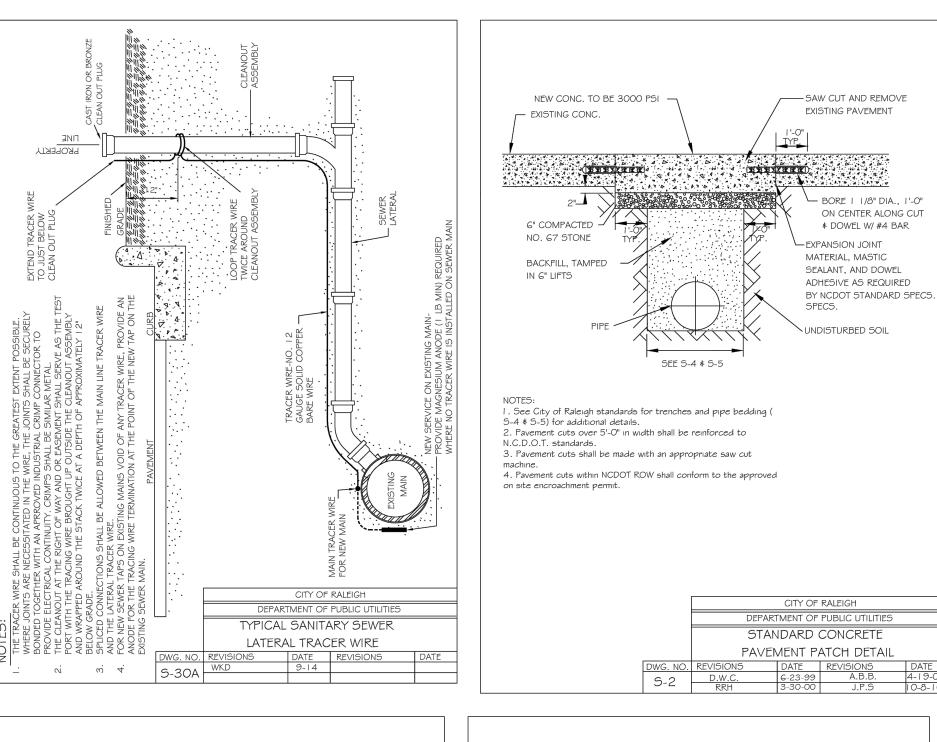
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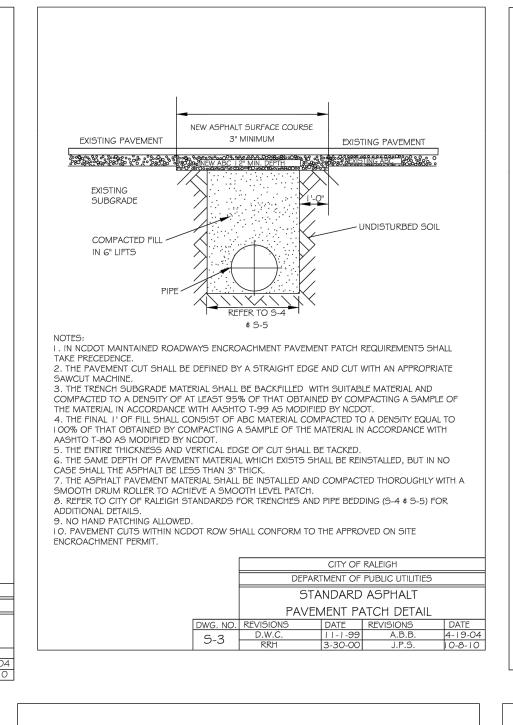
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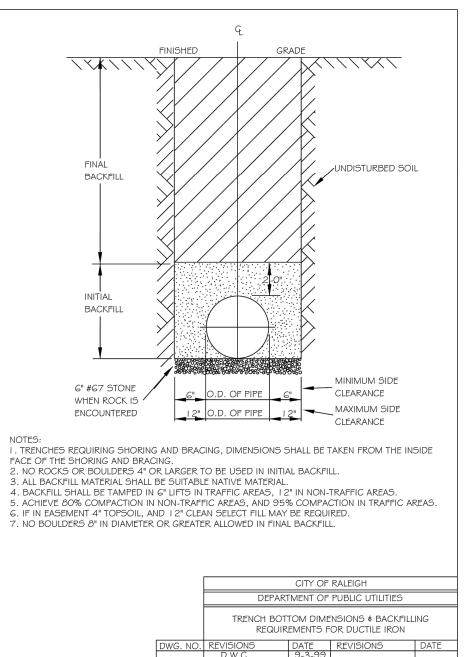


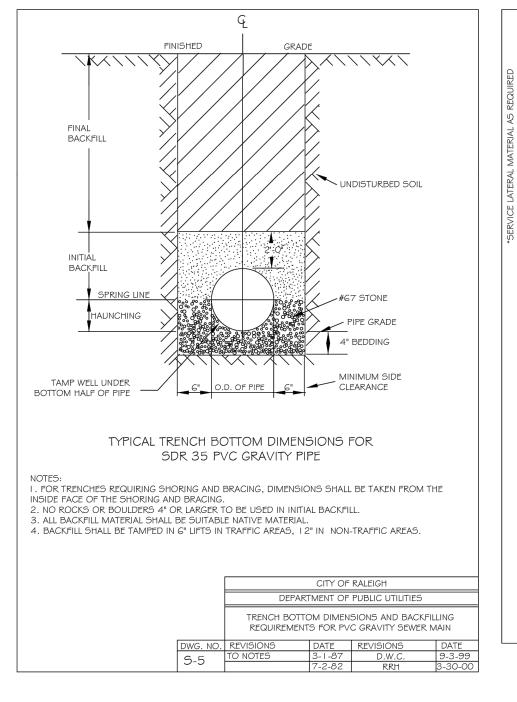
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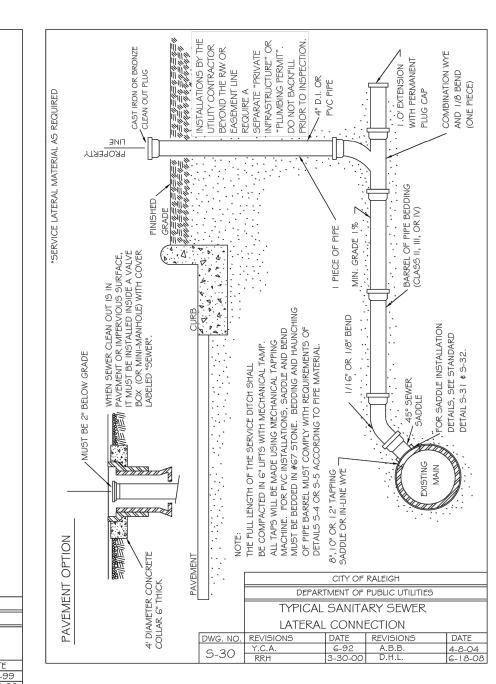
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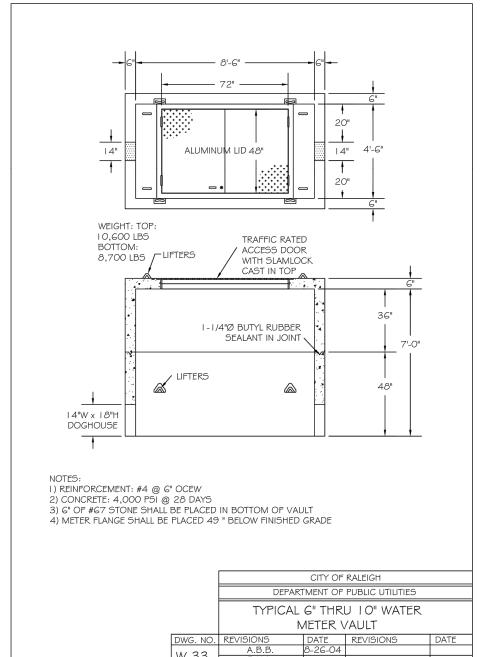


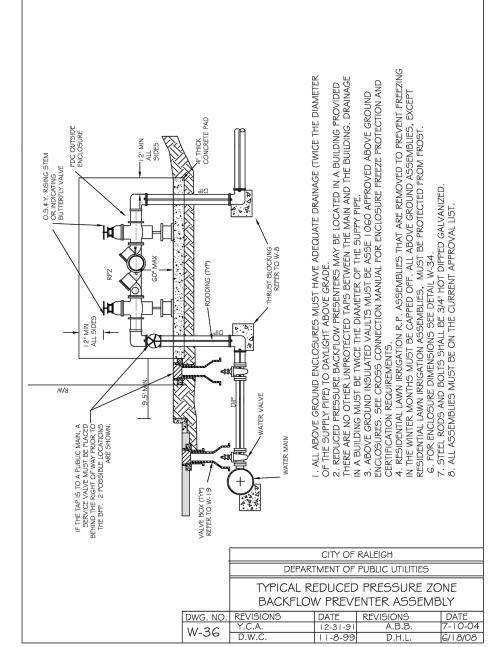


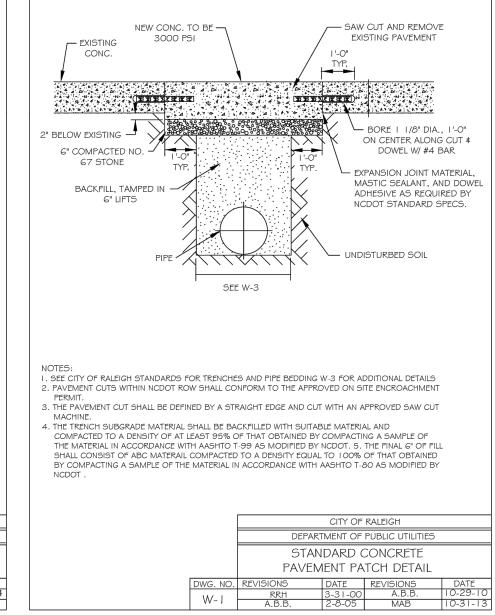


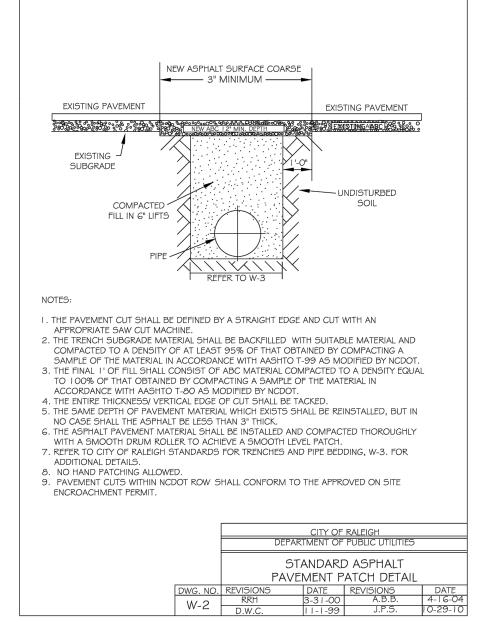


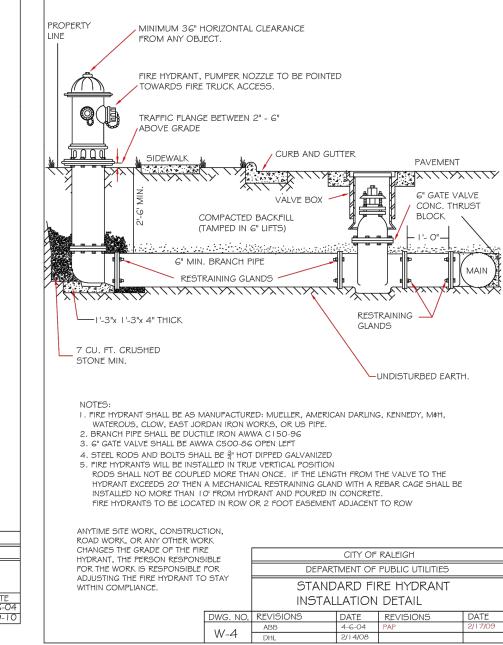


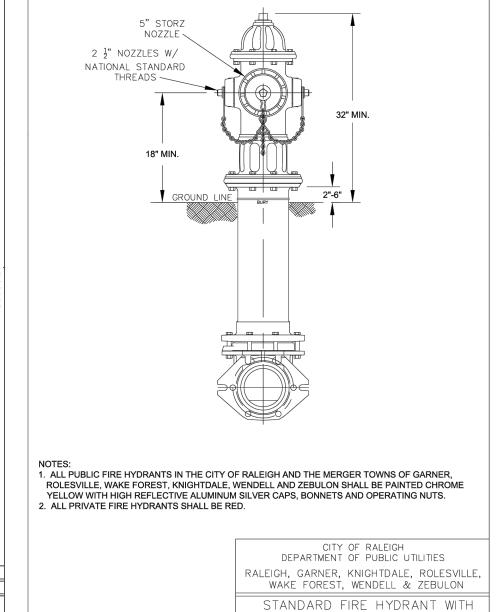




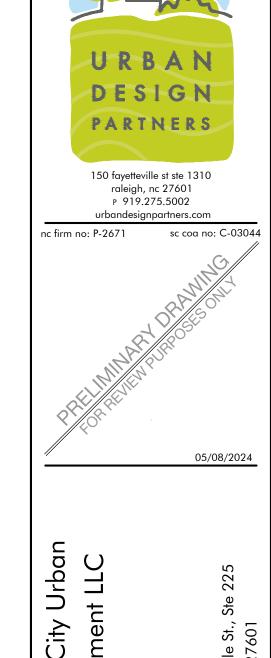








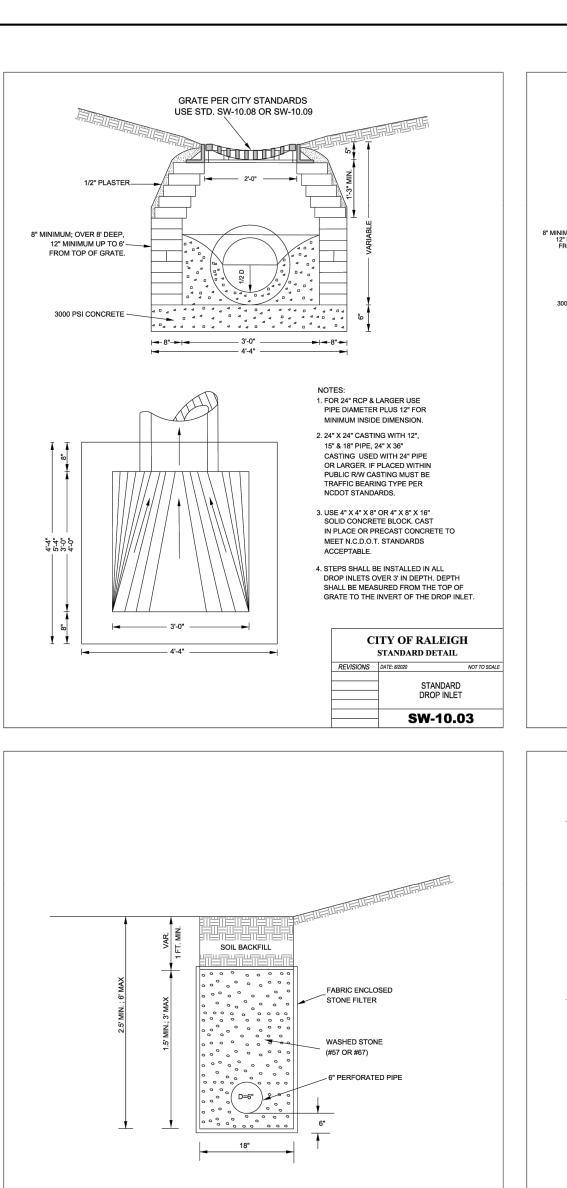
5" STORZ PUMPER NOZZLE

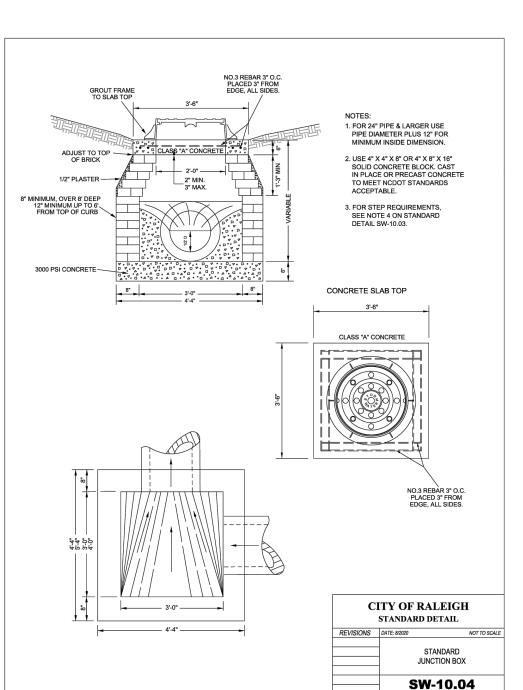


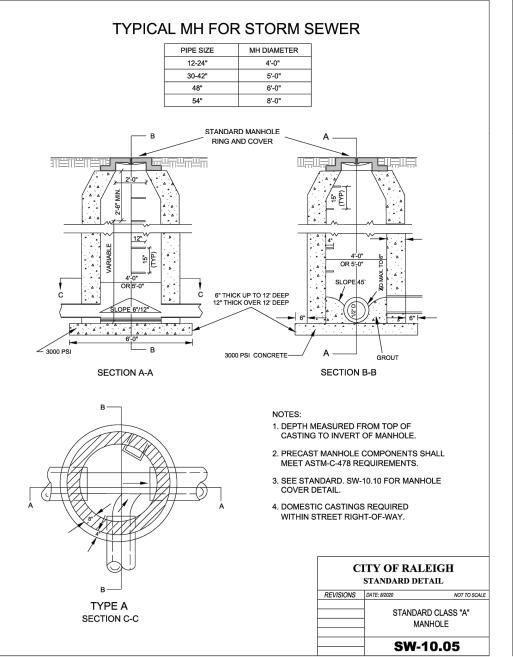
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Water & Sewer Utility Details
130 Kindley St., Raleigh, NC 27601

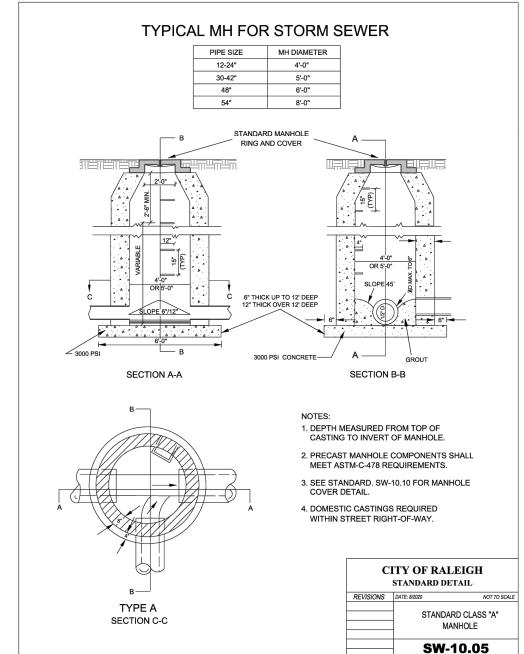
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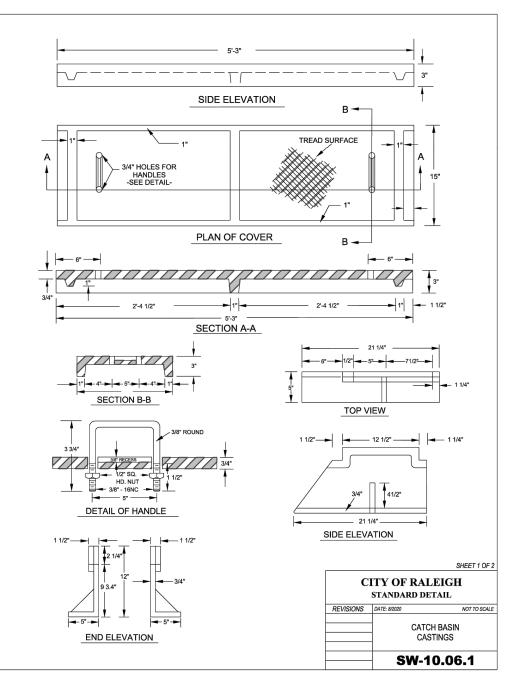
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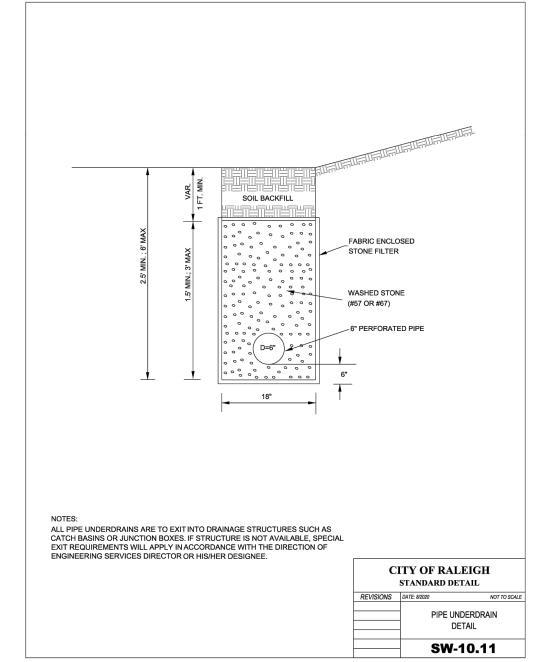


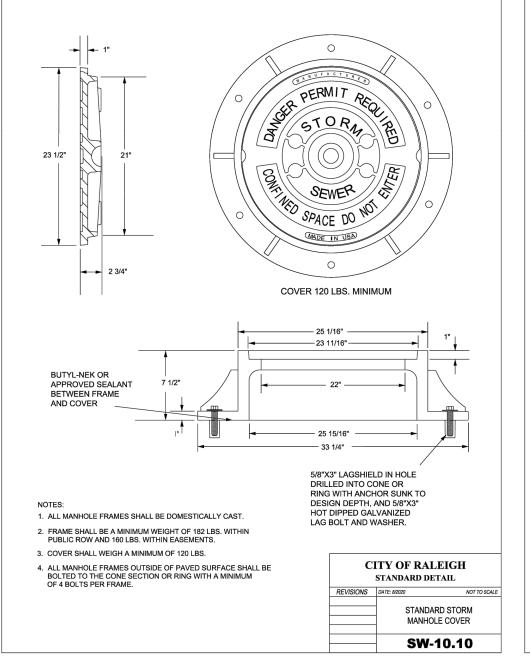


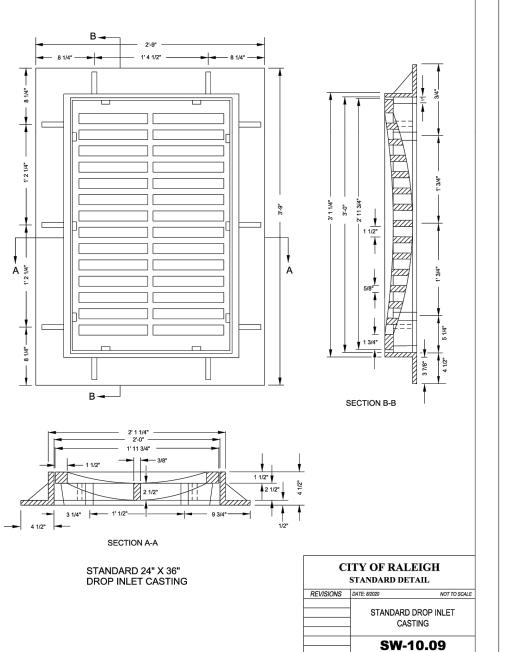


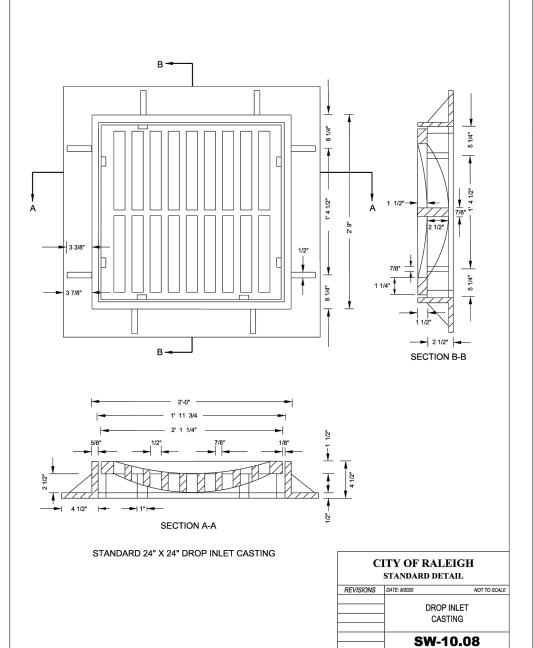


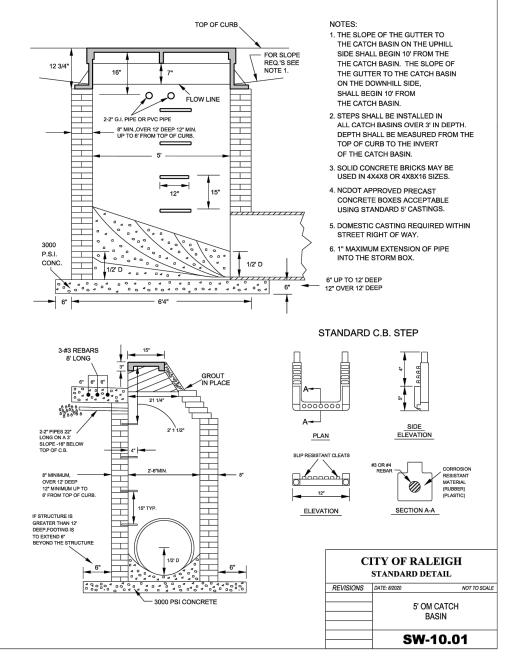


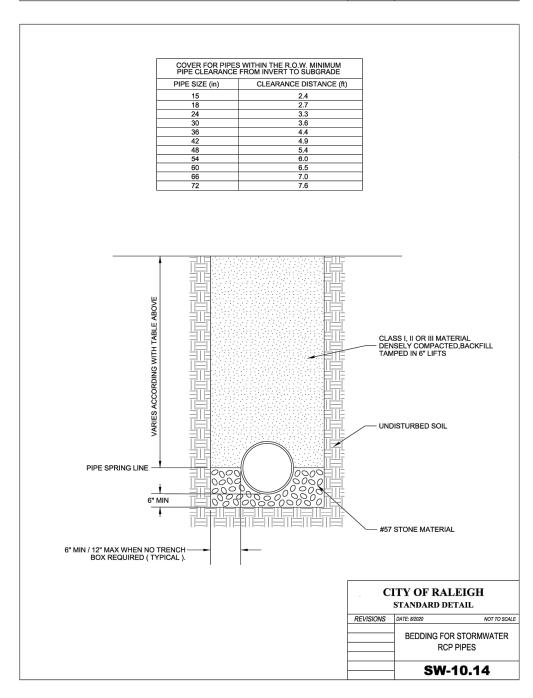










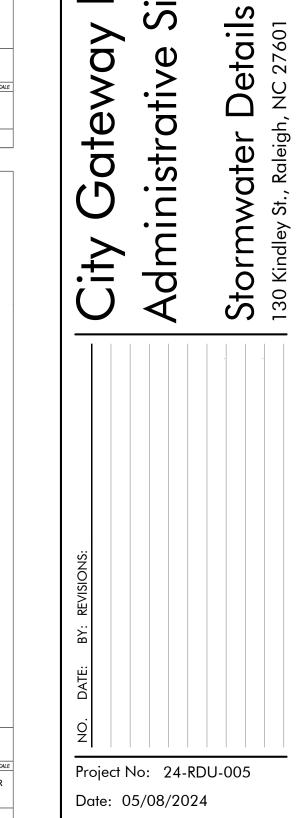




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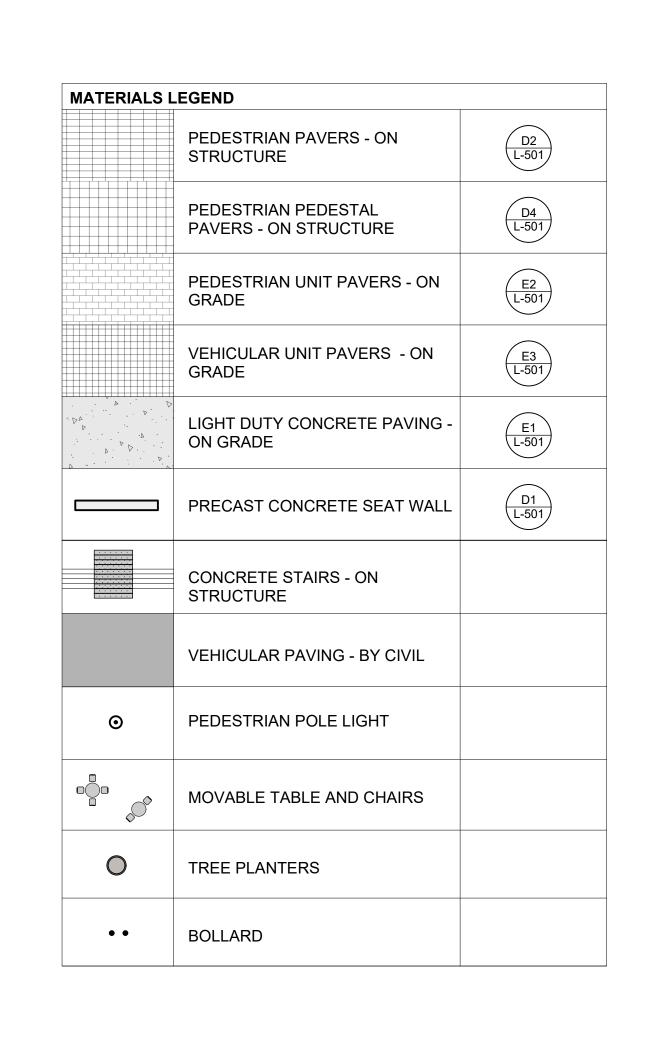
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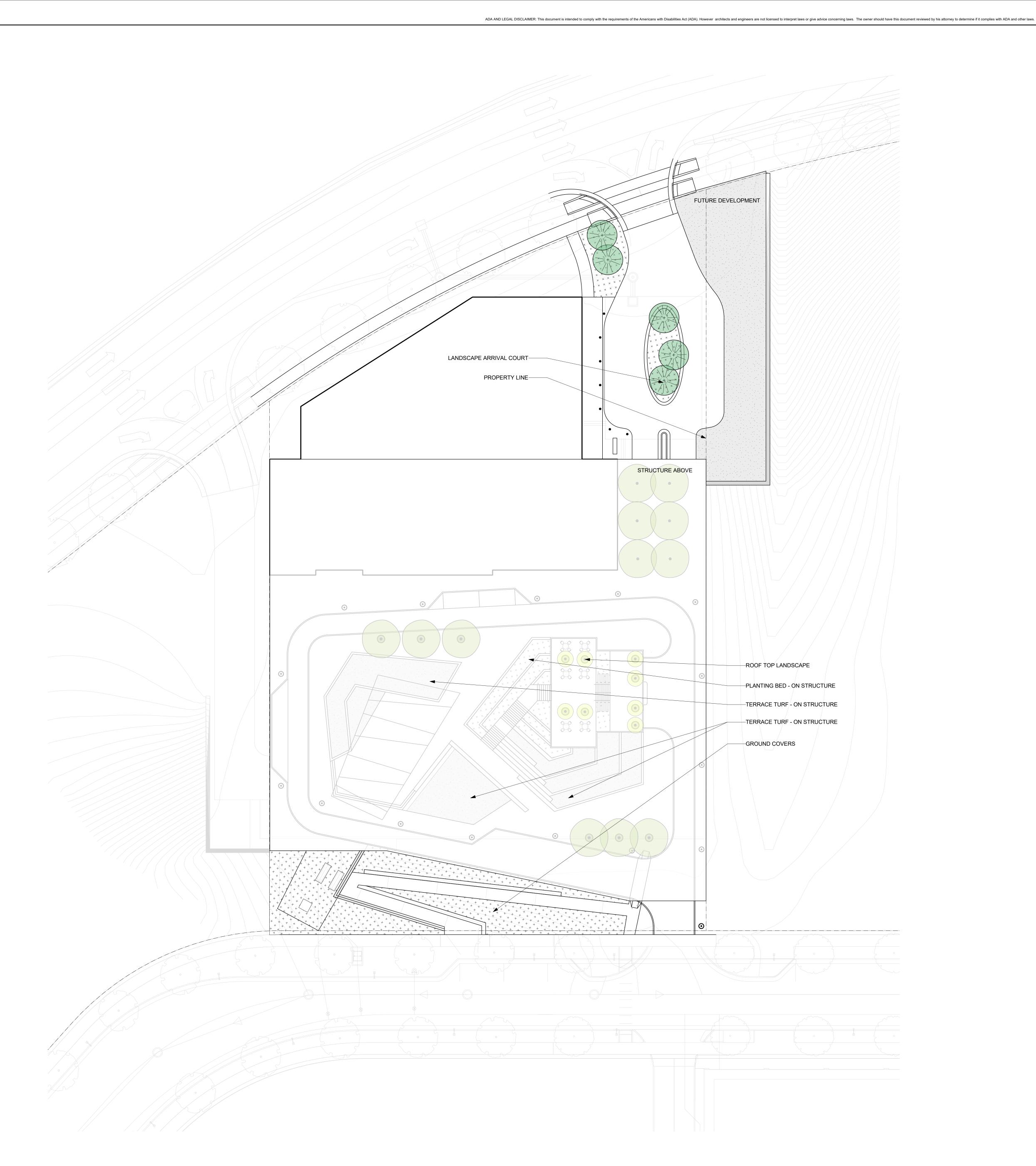
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City Gateway Parking Facility

MATERIAL PLAN



	SOD HIGH QUALITY TURF GRASS	
× × × × × × × × × × × × × × × × × × ×	ORNAMENTAL GRASSES AND SMALL SHRUBS MIX	
×	TREES - ON STRUCTURE	
+	TREES - ON GRADE 3" CAL MIN, NATIVE PLANT POOL: RED MAPLE, WILLOW OAK, AMERICAN ELM.	

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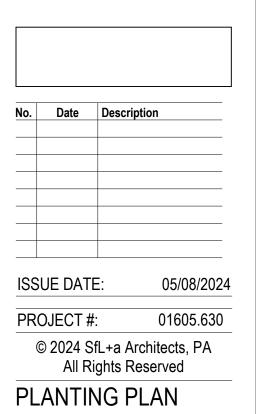
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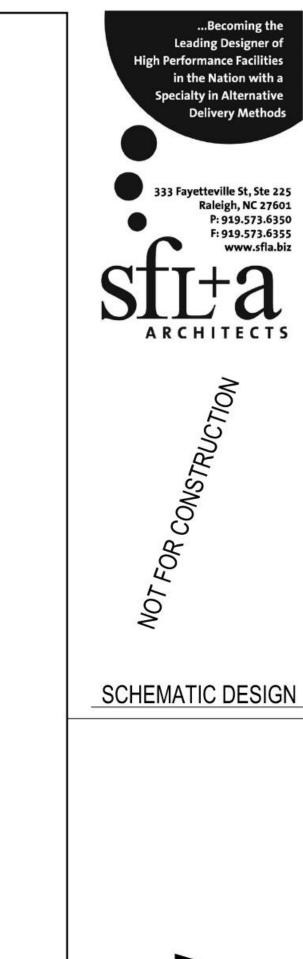
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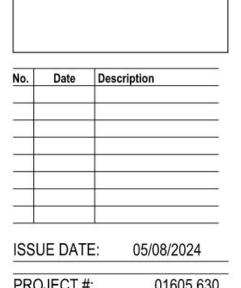
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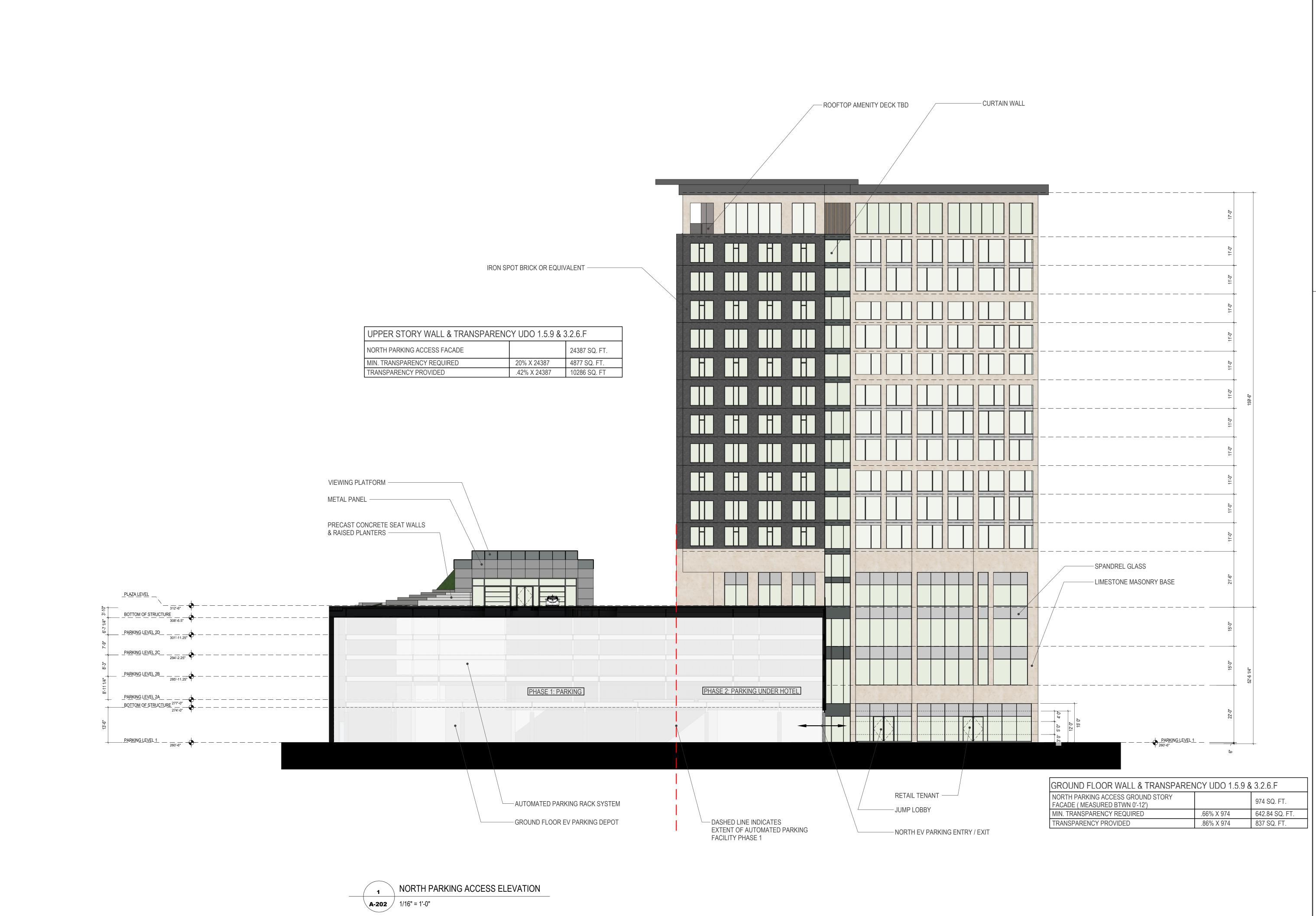


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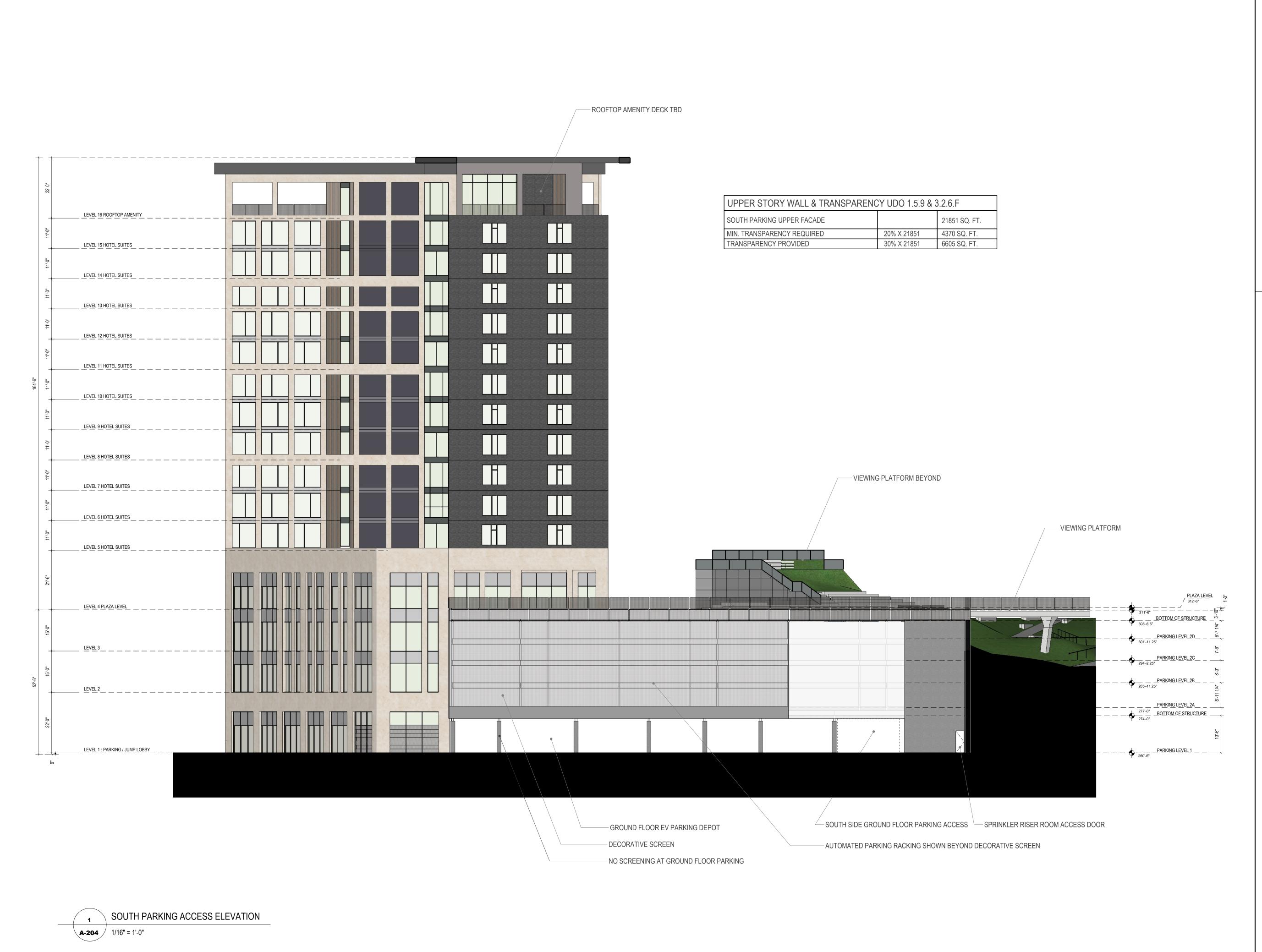
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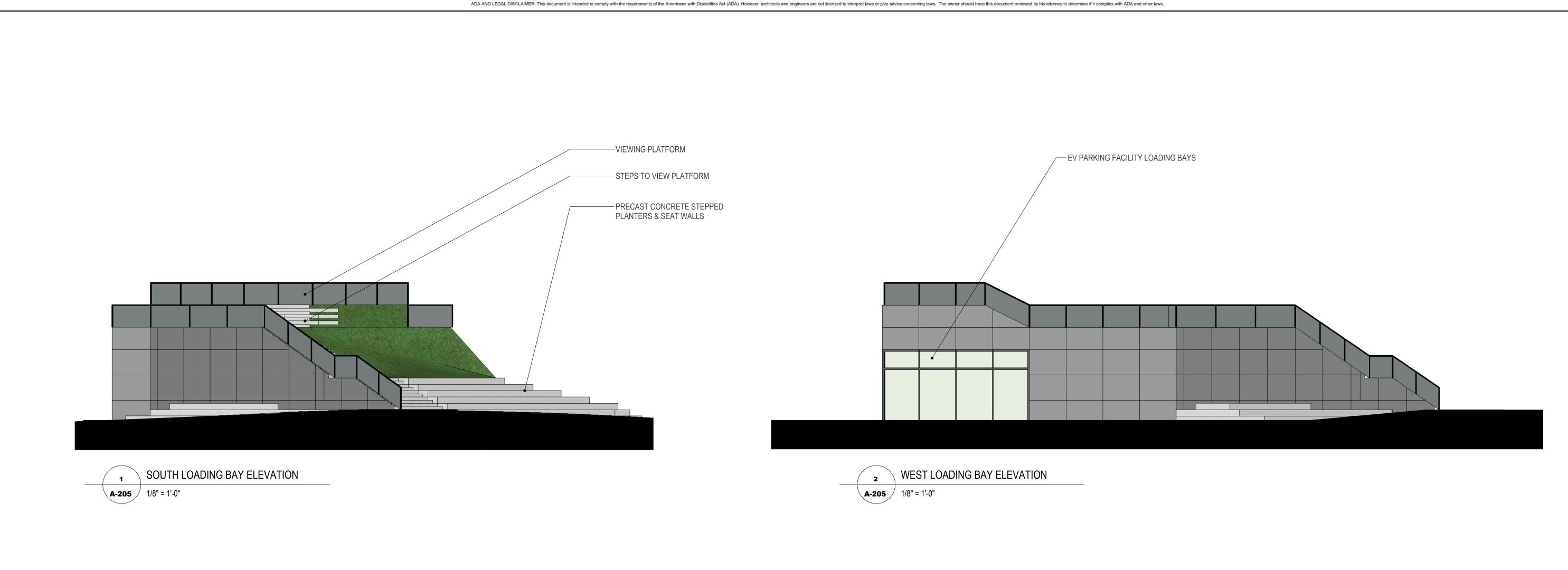
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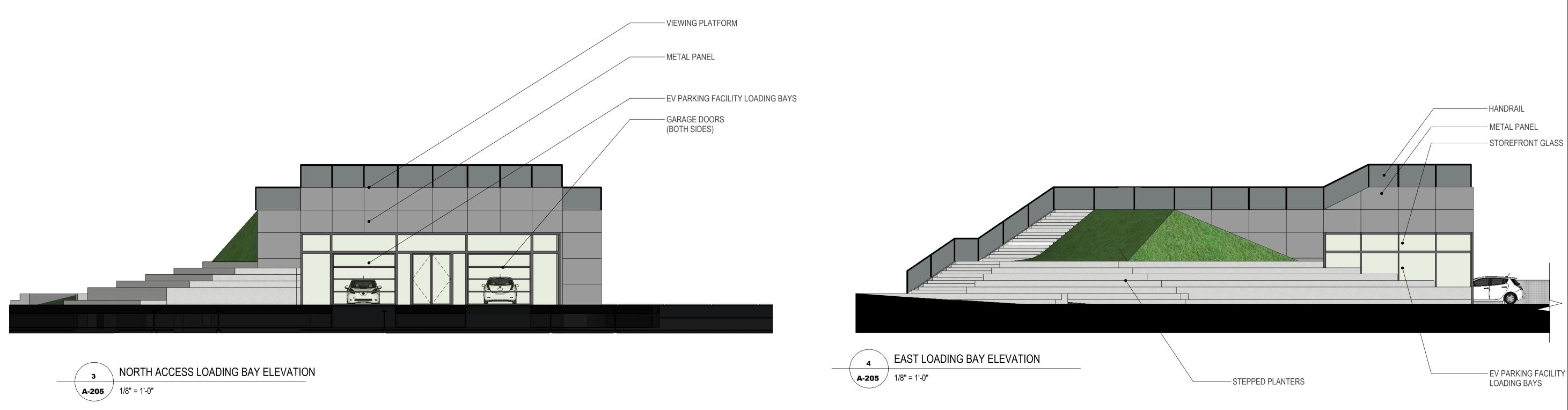
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