

Administrative Site Review Application

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



This form is required when submitting site plans as referenced in Unified Development Ordinance (UDO) Section 10.2.8. Please check the appropriate building types and include the plan checklist document when submitting.

Office Use Only: Case #: _____ Planner (print): _____

Please review UDO Section 10.2.8. to determine the site plan tier. If assistance determining a Site Plan Tier is needed a Site Plan Tier Verification request can be submitted online via the [Permit and Development Portal](#). (Note: There is a fee for this verification service.)

Site Plan Tier: Tier Two Site Plan Tier Three Site Plan

Building and Development Type (Check all that apply)		Site Transaction History
<input type="checkbox"/> Detached <input type="checkbox"/> Attached <input type="checkbox"/> Townhouse <input type="checkbox"/> Apartment <input type="checkbox"/> Tiny house <input type="checkbox"/> Open lot	<input type="checkbox"/> General <input type="checkbox"/> Mixed use <input type="checkbox"/> Civic <input type="checkbox"/> Cottage Court <input type="checkbox"/> Frequent Transit Development Option	Subdivision case #: _____ Scoping/sketch plan case #: _____ Certificate of Appropriateness #: _____ Board of Adjustment #: _____ Zoning Case #: _____ Design Alternate #: _____

GENERAL INFORMATION

Development name: _____

Inside City limits? Yes No

Property address(es): _____

Site P.I.N.(s): _____

Please describe the scope of work. Include any additions, expansions, and uses (UDO 6.1.4).

Current Property Owner(s):

Company: _____ Title: _____

Address: _____

Phone #: _____ Email: _____

Applicant Name (If different from owner. See “who can apply” in instructions):

Relationship to owner: Lessee or contract purchaser Owner’s authorized agent Easement holder

Company: _____ Address: _____

Phone #:	Email:
NOTE: please attach purchase agreement or contract, lease or easement when submitting this form.	
Developer Contact:	
Company:	Title:
Address:	
Phone #:	Email:
Applicant Name:	
Company:	Address:
Phone #:	Email:

DEVELOPMENT TYPE + SITE DATE TABLE (Applicable to all developments)	
SITE DATA	BUILDING DATA
Zoning district(s) (please provide the acreage of each):	Existing gross floor area (not to be demolished):
Gross site acreage:	Existing gross floor area to be demolished:
# of parking spaces proposed:	New gross floor area:
Max # parking permitted (7.1.2.C):	Total sf gross (to remain and new):
Overlay District (if applicable):	Proposed # of buildings:
Existing use (UDO 6.1.4):	Proposed # of stories for each:
Proposed use (UDO 6.1.4):	Proposed # of basement levels (UDO 1.5.7.A.6)

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

RESIDENTIAL & OVERNIGHT LODGING DEVELOPMENTS	
Total # of dwelling units:	Total # of hotel bedrooms:
# of bedroom units: 1br _____ 2br _____ 3br _____ 4br or more _____	
# of lots:	Is your project a cottage court? <input type="radio"/> Yes <input type="radio"/> No
	A frequent transit development? <input type="radio"/> Yes <input type="radio"/> 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: 

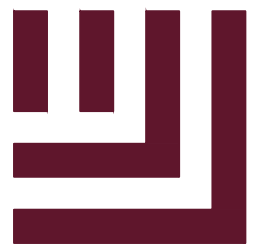
Date:

Printed Name:

Signature:

Date:

Printed Name:



McADAMS

The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 823. 4300
fax 919. 361. 2269
license number: C-0293, C-187

www.mcadamsco.com

CONTACT

David Boyette
boyette@mcadamsco.com
PHONE: 919.244.9528

CLIENT

HILLCREST RALEIGH AT CRABTREE LLC
1417 W PETTIGREW STREET
DURHAM, NORTH CAROLINA 27705
PHONE: 919. 286. 7705

PROJECT DIRECTORY

ARCHITECT
BHPD ARCHITECTURE
421 N. HARRINGTON ST., SUITE 540
RALEIGH, NORTH CAROLINA 27603
PHONE: 919. 683. 1084

HILLCREST RALEIGH

ADMINISTRATIVE SITE REVIEW

3830 BLUE RIDGE ROAD
RALEIGH, NORTH CAROLINA 27612

PROJECT NUMBER: BHD-24001

DATE: MAY 31, 2024

Administrative Site Review Application

Planning and Development Customer Service Center - One Exchange Place, Suite 402 Raleigh, NC 27601 (919) 996-2200
This form is required when submitting site plans as referenced in Unified Development Ordinance (UDO) Section 10.2.8. Please check the appropriate building type and include the plan checklist document when submitting.

Office Use Only: Case # _____ Planner (print) _____
Please review UDO Section 10.2.8 to determine the site plan fee. If assistance determining a Site Plan Tier is needed a Site Plan Tier Verification request can be submitted online via the Permit and Development Portal. Note: There is a fee for this verification service.

Site Plan Tier: Tier Two Site Plan [] Tier Three Site Plan [X]

Building and Development Type (Check all that apply)
Site Transaction History
General information fields

GENERAL INFORMATION
Development name: Hillcrest Raleigh
Inside City limits? Yes [X] No []
Property address(es): 3830, 3916, & 3920 Blue Ridge Road Raleigh, NC 27612
Site P.L.N. (s): 0795475963, 0795486280, 0795488212
Please describe the scope of work, include any additions, expansions, and uses (UDO 6.1.4).
Construction of a 2 story building addition.

Current Property Owner(s): Ted Smith
Company: Hillcrest Raleigh at Crabtree LLC Title: Manager
Address: 1417 W Pettigrew Street Durham, NC 27705
Phone #: 919.286.7705 Email: ted.smith@hillcrestnc.com

Applicant Name if different from owner: See "who can apply" in instructions; David Boyette
Relationship to owner: [] Lessee or contract purchaser [X] Owner's authorized agent [] Easement holder
Company: McAdams Address: 621 Hillsborough Street Suite 500 Raleigh, NC 27603

APPLICANT SIGNATURE BLOCK
Pursuant to state law (N.C. Gen. Stat. § 160C-400(a)), applications for development approval 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.

Signature: [] Date: 05-31-2024
Printed Name: David Boyette

Signature: [] Date:
Printed Name:

DEVELOPMENT TYPE + SITE DATA TABLE
(Site specific to all developments)
SITE DATA BUILDING DATA
Zoning district(s) (please provide the acreage of each): R-6 Existing gross floor area (not to be demolished): 86,305 SF

STORMWATER INFORMATION
Impervious Area on Parcel(s): Impervious Area for Compliance (includes ROW)
Existing (sf): 138,712 Proposed total (sf): 133,604

RESIDENTIAL & OVERNIGHT LODGING DEVELOPMENTS
Total # of dwelling units: 97 Total # of hotel bedrooms: 0
of bedroom units: 10r 3br 3br 4br or more

Continue to Applicant Signature Block on Page 4.

SITE DATA

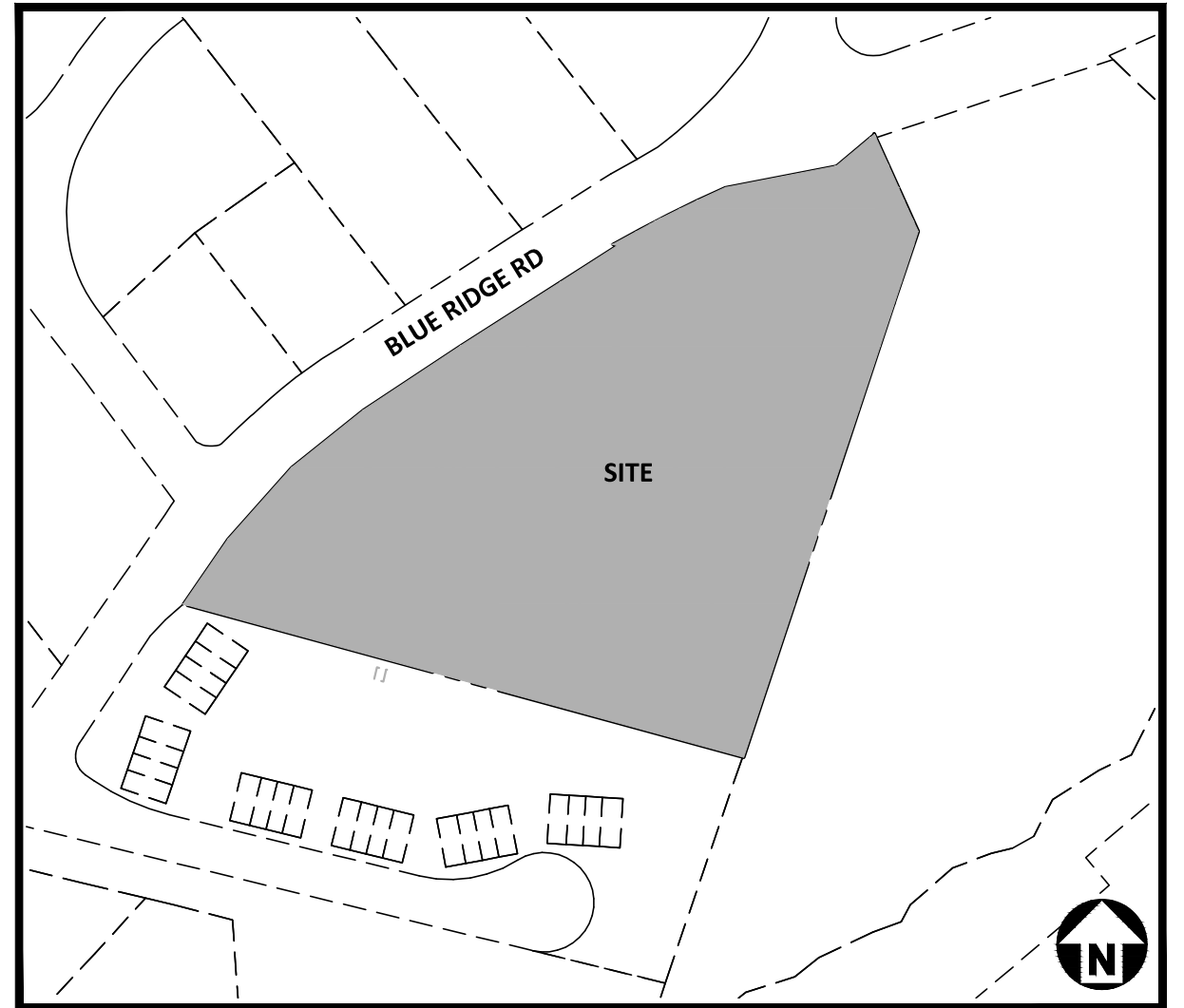
Table with 2 columns: Field Name, Value. Includes SITE ADDRESS, PARCEL PIN NUMBER, EXISTING ZONING, OVERLAY DISTRICT, BLOCK PERIMETER, WATERSHED, FLOODPLAIN/FIRM PANEL, SITE AREA, EXISTING BUILDING TYPE, PROPOSED BUILDING TYPES, EXISTING USE, PROPOSED USE, PARKING DATA, BIKE PARKING, SETBACKS/BUILD-TO, BUILDING HEIGHT, PREVIOUS APPROVALS.

SHEET INDEX

- 1-1 TOPOGRAPHIC SURVEY
C0.00 PROJECT NOTES
C1.01 DEMOLITION PLAN
C2.00 SITE PLAN
C3.00 GRADING PLAN
C4.00 FIRE ACCESS PLAN
C8.00 SITE AND STORM DRAINAGE DETAILS

ARCHITECTURAL SHEET INDEX

- A201 EAST ELEVATION



VICINITY MAP
1" = 200'



Know what's below.
Call before you dig.

CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

ALL CONSTRUCTION SHALL CONFORM WITH THE LATEST VERSION OF THE CITY OF DURHAM AND NCDOT STANDARDS, SPECIFICATIONS AND DETAILS.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

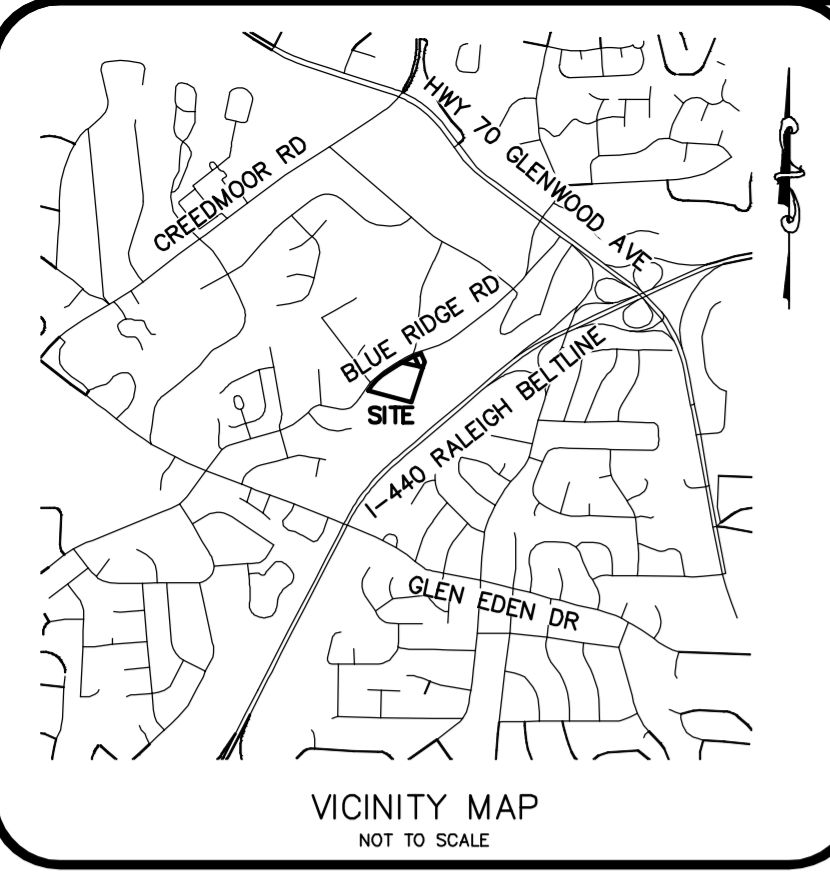
REVISIONS

NO. DATE

ADMINISTRATIVE SITE REVIEW FOR:

HILLCREST RALEIGH
RALEIGH, NC, 27612
PROJECT NUMBER: BHD-24001

M:\Projects\BHD\BHD24001\04-Production\Engineering\Construction Drawings\Current Drawings\BHD24001-CCL.dwg, 5/31/2024, 3:36:17 PM, Joann Jackson



I HEREBY CERTIFY THAT THE TOPOGRAPHIC SURVEY SHOWN HEREON IS BASED ON AN ACTUAL FIELD SURVEY MADE UNDER MY SUPERVISION AND ACCURATELY REPRESENTS THE PHYSICAL FEATURES THEREON AT THE TIME OF THIS SURVEY.

RONALD T. FREDERICK, P.L.S. L-4720

DATE

**PRELIMINARY PLAT
NOT FOR RECORDATION
CONVEYANCES OR SALES**

GENERAL NOTES:

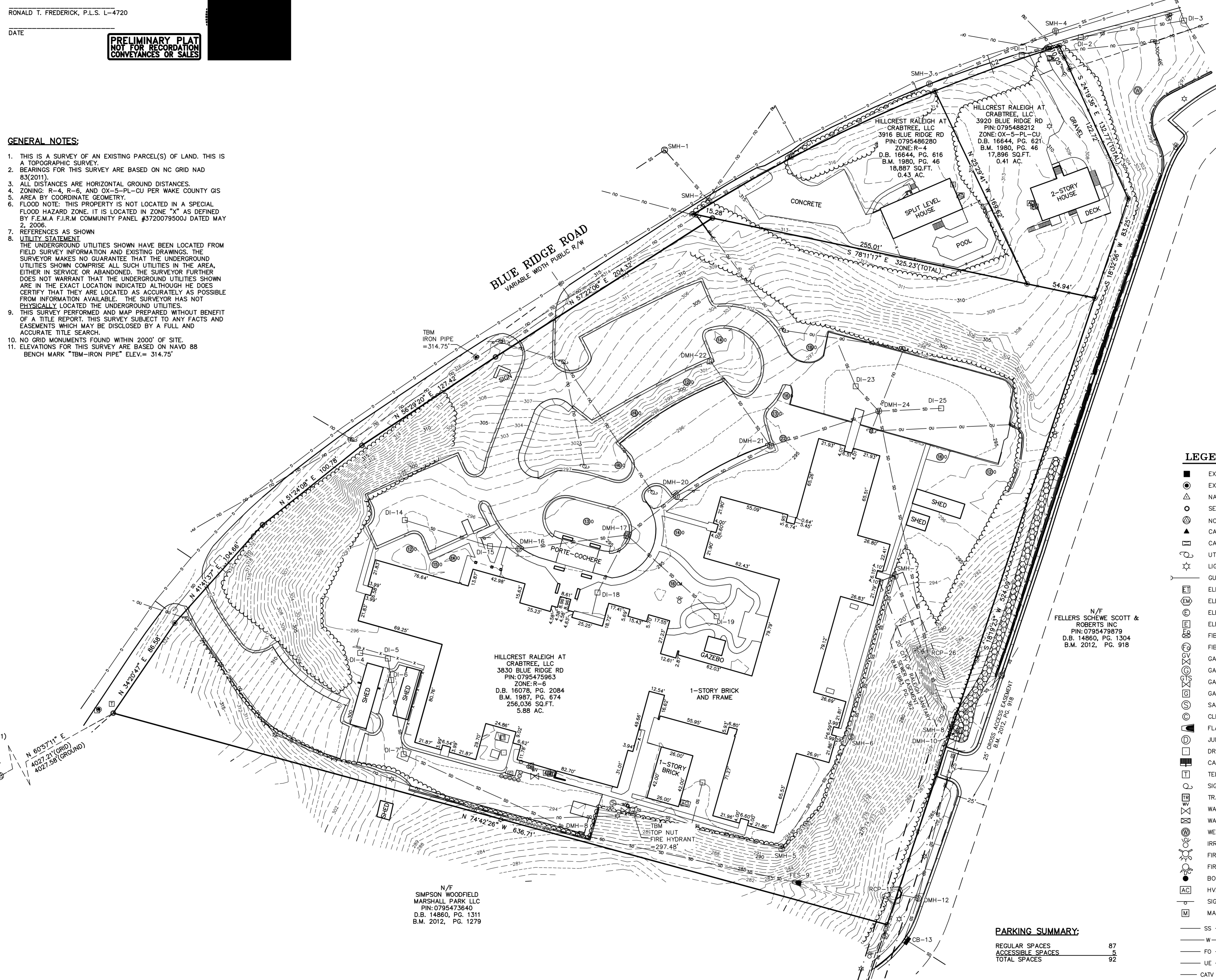
- THIS IS A SURVEY OF AN EXISTING PARCEL(S) OF LAND. THIS IS A TOPOGRAPHIC SURVEY.
- BEARINGS FOR THIS SURVEY ARE BASED ON NC GRID NAD 83(2011).
- ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES.
- ZONING: R-4, R-6, AND OX-5-PL-CU PER WAKE COUNTY GIS AREA BY COORDINATE GEOMETRY.
- FLOOD NOTE: THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD ZONE. IT IS LOCATED IN ZONE "X" AS DEFINED BY F.E.M.A F.I.R.M COMMUNITY PANEL #3720079500 DATED MAY 2, 2006.
- REFERENCES AS SHOWN
- UTILITY STATEMENT
THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD SURVEY INFORMATION AND EXISTING DRAWINGS. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
- THIS SURVEY PERFORMED AND MAP PREPARED WITHOUT BENEFIT OF A TITLE REPORT. THIS SURVEY SUBJECT TO ANY FACTS AND EASEMENTS WHICH MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.
- NO GRID MONUMENTS FOUND WITHIN 2000' OF SITE.
- ELEVATIONS FOR THIS SURVEY ARE BASED ON NAVD 88 BENCH MARK "TBM-IRON PIPE" ELEV. = 314.75'

- DI-1
GRATE=306.68
15"RCP(E)=304.38
- DI-2
GRATE=303.92
15"RCP(E)=298.71
15"RCP(W)=298.04
- DI-3
GRATE=297.52
18"RCP(N)=288.76
24"RCP(S)=288.04
15"RCP(W)=288.90
- DI-4
GRATE=294.47
12"RCP(E)=291.86
- DI-5
GRATE=294.57
12"RCP(S)=290.51
12"RCP(W)=290.47
- DI-6
GRATE=294.51
12"RCP(N)=290.21
12"RCP(S)=289.31
- DI-7
GRATE=295.08
12"RCP(N)=288.74
12"RCP(E)=288.56
- DMH-8
RIM=293.59
18"RCP(E)=283.26
12"RCP(W)=283.61
- FES-9
INV=274.50
- DMH-10
RIM=285.30
24"RCP(S)=260.75
- RCP-11
INV=259.27
- DMH-12
RIM=260.75
24"RCP(N)=249.90
24"RCP(S)=256.36
24"RCP(W)=249.85
- DMH-13
TOP=260.75
24"RCP(N)=250.07
24"RCP(E)=249.95
- DI-14
GRATE=294.61
12"RCP(E)=292.45
- DI-15
GRATE=294.76
12"RCP(E)=291.37
12"RCP(W)=291.76
- DI-16
RIM=294.87
15"RCP(E)=290.87
12"RCP(W)=290.90
- DI-17
RIM=294.29
24"RCP(NE)=289.68
12"RCP(SE)=291.89
12"RCP(S)=290.24
15"RCP(W)=290.15
- DI-18
GRATE=295.08
12"RCP(N)=292.90
8"RCP(S)=293.11
- DI-19
GRATE=294.15
12"RCP(NW)=291.24
- DMH-20
RIM=294.53
24"RCP(E)=289.09
24"RCP(W)=289.13
- DMH-21
RIM=293.87
12"RCP(N)=287.67
24"RCP(E)=287.33
24"RCP(W)=287.37
- DMH-22
RIM=301.68
12"RCP(S)=295.16
- DI-23
GRATE=294.08
18"RCP(SE)=290.34
- DMH-24
RIM=294.52
12"RCP(E)=290.31
24"RCP(SE)=285.52
24"RCP(SW)=285.32
18"RCP(NW)=290.17
- DI-25
GRATE=294.36
12"RCP(W)=291.17
- RCP-26
INV=280.19
- SMH-1
RIM=317.24
8"VC(E)=312.57
8"VC(W)=312.61
- SMH-2
RIM=314.80
8"VC(E)=309.00
8"VC(W)=309.28
- SMH-3
RIM=310.64
8"VC(E)=302.99
8"VC(W)=303.06
- SMH-4
RIM=305.74
8"VC(E)=299.50
10"VC(W)=299.39
- SMH-5
RIM=293.68
6"RCP(N)=286.89
6"RCP(W)=286.98
- SMH-6
RIM=294.94
6"RCP(N)=285.44
6"RCP(S)=285.63
- SMH-7
RIM=295.31
12"RCP(SE)=284.71
6"RCP(SW)=284.81
- SMH-8
RIM=267.09
8"RCP(NE)=260.17
12"RCP(S)=259.89
12"RCP(NW)=259.93

NCGS MONUMENT
MORNING
PID: AE7323
NC GRID NAD83(2011)
N: 755,828.66'
E: 2,090,550.09'
COMBINED
FACTOR: 0.99990867

NCGS MONUMENT
PAULS
PID: EZ5172
NC GRID NAD83(2011)
N: 755,394.21'
E: 2,089,615.28'
COMBINED
FACTOR: 0.99990867

X:\Projects\RGG-18000\Survey\Topographic\RGG18000-C1.dwg, 6/20/2018, 8:25:34 AM, Mills, David



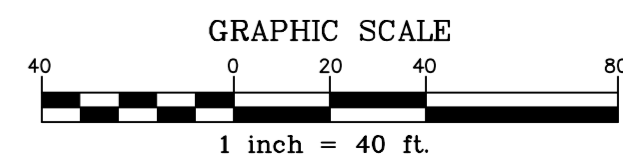
LEGEND

- EXISTING CONCRETE MONUMENT
- EXISTING IRON PIPE
- △ NAIL
- SET IRON PIPE
- ⊙ NC/GS/GRID MONUMENT
- ⊙ CALCULATED POINT
- CATV BOX
- ⊙ UTILITY POLE
- ⊙ LIGHT POLE
- ⊙ GUY WIRE
- ⊙ ELECTRIC TRANSFORMER
- ⊙ ELECTRIC METER
- ⊙ ELECTRIC MANHOLE
- ⊙ ELECTRIC BOX
- ⊙ FIBER OPTIC VAULT
- ⊙ FIBER OPTIC MARKER
- ⊙ GAS VALVE
- ⊙ GAS MANHOLE
- ⊙ GAS TEST STATION
- ⊙ GAS METER
- ⊙ SANITARY SEWER MANHOLE
- ⊙ CLEAN OUT
- ⊙ FLARED END SECTION
- ⊙ JUNCTION BOX
- ⊙ DROP INLET
- ⊙ CATCH BASIN
- ⊙ TELEPHONE BOX
- ⊙ SIGNAL POLE
- ⊙ TRAFFIC SIGNAL BOX
- ⊙ WATER VALVE
- ⊙ WATER METER
- ⊙ WELL
- ⊙ IRRIGATION CONTROL VALVE
- ⊙ FIRE HYDRANT
- ⊙ FIRE DEPT CONNECTION
- ⊙ BOLLARD
- ⊙ HVAC UNIT
- ⊙ SIGN
- ⊙ MAIL BOX
- SS ——— SANITARY SEWER PIPE
- W ——— WATER LINE
- FO ——— FIBER OPTIC
- UE ——— UNDERGROUND ELECTRIC
- CATV ——— CABLE TELEVISION
- OU ——— OVERHEAD UTILITY
- G ——— GAS LINE
- X ——— FENCE LINE
- SD ——— STORM DRAIN PIPE
- ⊙ TREELINE/HEDGE ROW

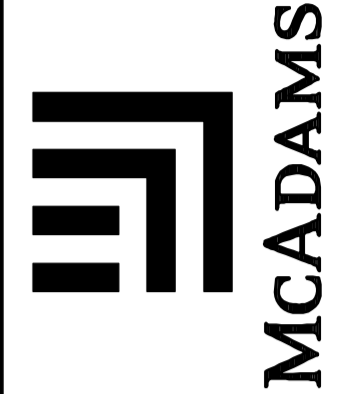
PARKING SUMMARY:

REGULAR SPACES	87
ACCESSIBLE SPACES	5
TOTAL SPACES	92

PROPERTY CURVE TABLE				
CURVE	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C1	1272.27'	215.33'	N 62°57'32" E	215.07'
C2	1272.27'	104.82'	N 70°10'04" E	104.79'



THE JOHN R. MCADAMS
COMPANY, INC.
2905 Meridian Parkway
Durham, North Carolina 27713
New York, NY 10028
(800) 733-5646 • mcadamsco.com



REVISIONS:

OWNER:
HILLCREST RALEIGH AT
CRABTREE, LLC
1417 W. PETTIGREW ST.
DURHAM, NC 27705

HILLCREST RALEIGH NURSING HOME
3830 BLUE RIDGE ROAD
CITY OF RALEIGH, WAKE COUNTY, NORTH CAROLINA

TOPOGRAPHIC SURVEY

PROJECT NO:	RGG-18000
FILENAME:	RGG18000-C1
CHECKED BY:	RTF
DRAWN BY:	DJM
SCALE:	1"=40'
DATE:	06/19/2018
SHEET NO.	1-1





McAdams

The John R. McAdams Company, Inc.
621 Hillsborough Street
Suite 500
Raleigh, NC 27603
phone 919. 823. 4300
fax 919. 361. 2269
license number: C-0293, C-187

www.mcadamsco.com

CLIENT

HILLCREST RALEIGH AT CRABTREE LLC
1417 W POTTIGREW ST
DURHAM, NC 27705
PHONE: XXX. XXX. XXXX

HILLCREST RALEIGH
ADMINISTRATIVE SITE REVIEW
3830 BLUE RIDGE ROAD
RALEIGH, NORTH CAROLINA, 27612

SITE PLAN NOTES

- 1. NON-ALLEY LOADED DRIVEWAYS MAY INTERSECT A STREET NO CLOSER THAN 20 FEET FROM THE INTERSECTION OF TWO STREET RIGHT-OF-WAYS. THE MINIMUM CORNER CLEARANCE FROM CURB LINE OR EDGE OF PAVEMENT OF INTERSECTING STREETS SHALL BE AT LEAST 20 FEET FROM THE POINT OF TANGENCY OF THE RADIUS OF CURVATURE, OR 20 FEET FROM THE INTERSECTION OF RIGHT-OF-WAY LINES, WHICHEVER IS GREATER. THE RADIUS OF THE DRIVEWAY SHALL NOT ENCRUSCH ON THE MINIMUM CORNER CLEARANCE. REFER TO SECTION 6.5 OF THE LATEST VERSION OF THE RALEIGH STREET DESIGN MANUAL FOR ADDITIONAL DETAILS.
2. RIGHT-OF-WAY SHALL BE CLEARED AND GRUBBED WITHIN 50' OF ALL MINOR RESIDENTIAL, RESIDENTIAL, AND RESIDENTIAL COLLECTOR INTERSECTIONS. THE FULL LENGTH OF THE RIGHT-OF-WAY SHALL BE CLEARED AND GRADED ALONG ALL MAJOR, MINOR, & SENSITIVE AREA THOROUGHFARES.
3. WITHIN THE AREA DEFINED SIGHT TRIANGLES SHOWN ON THESE PLANS, THERE SHALL BE NO SIGHT OBSTRUCTING OR PARTLY OBSTRUCTING WALL, FENCE, SIGN, FOLIAGE BERMS, OR PARKED VEHICLES BETWEEN THE HEIGHTS OF 24 INCHES AND 8 FEET ABOVE THE CURB LINE ELEVATION OR THE NEAREST TRAVEL WAY IF NO CURB LINE EXISTS. REFER TO SECTION 6.12 OF THE LATEST VERSION OF THE RALEIGH STREET DESIGN MANUAL FOR ADDITIONAL DETAILS.
4. MULTIWAY STOP CONTROL WILL NOT BE USED AT ANY PUBLIC STREET INTERSECTION WITHOUT AN ENGINEERING STUDY TO PROVIDE DATA TO CITY OF RALEIGH TRANSPORTATION DIVISION THAT THE MULTIWAY STOP INSTALLATION WARRANTS CAN BE MET AND ORDNANANCED BY CITY COUNCIL APPROVAL.
5. ALL CONSTRUCTION SHALL CONFORM TO THE LATEST CITY OF RALEIGH AND/OR NCDOT STANDARDS AND SPECIFICATIONS AS APPLICABLE.
6. ALL DIMENSIONS SHOWN ON SITE PLAN ARE MEASURED TO FACE OF CURB UNLESS OTHERWISE NOTED.
7. CONTRACTOR SHALL MAINTAIN AN "AS-BUILT" SET OF DRAWINGS TO RECORD THE EXACT LOCATION OF ALL PIPING PRIOR TO CONCEALMENT. DRAWINGS SHALL BE GIVEN TO THE ENGINEER UPON COMPLETION OF THE PROJECT WITH A COPY OF THE TRANSMITTAL LETTER TO THE OWNER.
8. EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED/RESTORED TO THEIR ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER, BY THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.
9. THE CONTRACTOR SHALL NOTE THAT THE DRAWINGS MAY NOT SHOW EVERY OFFSET, TRANSITION, FITTING, ETC. THAT MAY BE REQUIRED. THE CONTRACTOR SHALL INSTALL SUCH STANDARD APPURTENANCES AS REQUIRED TO CLOSELY FOLLOW THE GRADES AND ALIGNMENTS DEPICTED ON THE PLANS.
10. CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
11. CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE UTILITY COMPANIES FOR ANY REQUIRED RELOCATIONS (I.E. POWER POLES, TELEPHONE PEDESTALS, WATER METERS, ETC.).
12. PRIOR TO BEGINNING CONSTRUCTION BEYOND EROSION CONTROL MEASURES, THE GENERAL CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF RALEIGH PUBLIC WORKS DEPARTMENT (919) 996-2409, AND A REPRESENTATIVE OF THE ENGINEER AND OWNER. THE PURPOSE OF THIS MEETING IS TO REVIEW THE SPECIFIC COMPONENTS OF THE PLAN AND OPERATION OF THE FACILITIES DURING CONSTRUCTION.
13. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION, FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
14. ACCESSIBLE RAMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF RALEIGH UNIFIED DEVELOPMENT ORDINANCE (UDO) DETAILS.
15. ALL SIDEWALKS THAT CONNECT TO THE PUBLIC RIGHT-OF-WAY 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 (PROWAG), 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
16. TYPICAL PAVEMENT SECTION DETAILS ARE SHOWN WITHIN THIS SET AND INTENDED TO BE A MINIMUM PAVEMENT SECTION REQUIREMENT. THE CURRENT GEOTECHNICAL REPORT SHALL OVER-RIDE ALL TYPICAL PAVEMENT SECTIONS SHOWN, IF THE GEOTECHNICAL ENGINEER DEEMS A HEAVIER SECTION IS REQUIRED.
17. EQUIPMENT AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED PROVIDED APPROVAL HAS BEEN OBTAINED FROM THE OWNER IN WRITING PRIOR TO ORDERING OR INSTALLATION. THE CONTRACTOR SHALL WAIVE ANY CLAIM FOR ADDITIONAL COST RELATED TO SUBSTITUTION OF ALTERNATE EQUIPMENT.
18. IF UNFORESEEN CONDITIONS DEVELOP DURING CONSTRUCTION, REFER TO THE LATEST VERSION OF THE RALEIGH STREET DESIGN MANUAL AND CONTACT PUBLIC WORKS STAFF FOR FURTHER GUIDANCE.
19. ALL SIGNAGE ASSOCIATED WITH THE PUBLIC STREET SYSTEM SHALL ADHERE TO MUTCD STANDARDS AND SPECIFICATIONS.
20. ANY TRANSIT STOP LOCATIONS SHOWN ARE PRELIMINARY ONLY. FINAL LOCATION SHALL BE DETERMINED ONE AND ONE THE CITY OF RALEIGH TRANSIT ROUTE HAS BEEN FINALIZED. ALL TRANSIT STOPS SHALL HAVE A 10'x20'x6" (3000 PSI) CONCRETE PAD.

DEMOLITION NOTES

- 1. ALL MATERIAL TO BE DEMOLISHED SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT A PERMITTED SITE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL LAWS.
2. COMPLY WITH REQUIREMENTS FOR FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION (CHAPTER 14, 2018 NC FIRE CODE, NFPA 241 AND CHAPTER 33, 2018 NC BUILDING CODE).

GRADING NOTES

- 1. ALL DIMENSIONS AND GRADES SHOWN ON THE PLANS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION, FOR NECESSARY PLAN OR GRADE CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY WORK DONE DUE TO DIMENSIONS OR GRADES SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
2. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS; FINAL RULE 29CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH. EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRES THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER, PROVIDED BY CONTRACTOR RESPONSIBLE FOR EXCAVATION.
3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RALEIGH AND/OR NCDOT STANDARDS AND SPECIFICATIONS AS APPLICABLE.
4. CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
5. PRIOR TO BEGINNING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL SCHEDULE AND ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF RALEIGH STORMWATER AND EROSION CONTROL DEPARTMENT, THE ENGINEER AND A REPRESENTATIVE OF THE OWNER.
6. CONSTRUCTION, MAINTENANCE AND REMOVAL OF ALL EROSION CONTROL DEVICES ARE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. TIMING OF REMOVAL SHALL BE COORDINATED WITH THE EROSION CONTROL INSPECTOR.
7. EXISTING UTILITIES AND STRUCTURES SHOWN, BOTH UNDERGROUND AND ABOVE GROUND, ARE BASED ON A FIELD SURVEY AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS PRIOR TO BEGINNING RELATED CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
8. SOIL UNDER BUILDINGS, PAVED AREAS AND WITHIN SLOPES GREATER THAN 3:1 (H:V) SHALL BE APPROVED, PLACED AND COMPACTED AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

CITY OF RALEIGH PUBLIC UTILITIES
STANDARD UTILITY NOTES (AS APPLICABLE)

- 1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH CITY OF RALEIGH DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION).
2. UTILITY SEPARATION REQUIREMENTS:
a) A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL.
b) WHEN INSTALLING WATER &/OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10'. IF THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP OF THE SEWER & MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER.
c) WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION, OR ANYTIME A SANITARY SEWER PASSES OVER A WATERMAIN, DIP MATERIALS OR STEEL ENCASMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.
d) 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER.
e) MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL WATERMAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 24" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE HAVING 6" MIN. CLEARANCE (PER CORPUD DETAILS W-41 & S-49).
f) ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.
3. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT.
5. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCEMAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
6. IT IS THE DEVELOPER'S RESPONSIBILITY TO ABANDON OR REMOVE EXISTING WATER & SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF A SITE UNLESS OTHERWISE DIRECTED BY THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE.
7. INSTALL COPPER* WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'X2' WATERLINE EASEMENT IMMEDIATELY ADJACENT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO PROPERLY SIZE THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE.
8. INSTALL PVC* SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM.
24. PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI. WHERE SANITARY SERVICES ARE SERVING A BUILDING INSTALLED ON A FLOOR WITH A FINISHED FLOOR ELEVATION BELOW THE ELEVATION OF THE MANHOLE COVER OF THE NEXT UPSTREAM MANHOLE IN THE PUBLIC SEWER, SUCH FIXTURES SHALL BE PROTECTED BY A BACKWATER VALVE INSTALLED IN THE SERVICE LINE. SANITARY SERVICES SERVING A BUILDING WITH A FINISHED FLOOR ELEVATION ABOVE THE ELEVATION OF THE MANHOLE COVER OF THE NEXT UPSTREAM MANHOLE IN THE PUBLIC SEWER SHALL NOT DISCHARGE THROUGH A BACKWATER VALVE.
25. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE &/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION.
26. NCDOT / RAILROAD ENCRACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.
27. GREASE INTERCEPTOR / OIL WATER SEPARATOR SIZING CALCULATIONS & INSTALLATION SPECIFICATIONS SHALL BE APPROVED BY THE CORPUD FOG PROGRAM COORDINATOR PRIOR TO ISSUANCE OF A BUILDING PERMIT. CONTACT STEPHEN CALVERLEY AT (919) 296-2334 OR STEPHEN.CALVERLEY@RALEIGHNC.GOV FOR MORE INFORMATION.
28. CROSS-CONNECTION CONTROL PROTECTION DEVICES ARE REQUIRED BASED ON DEGREE OF HEALTH HAZARD INVOLVED AS LISTED IN APPENDIX B OF THE RULES GOVERNING PUBLIC WATER SYSTEMS IN NORTH CAROLINA. THESE GUIDELINES ARE THE MINIMUM REQUIREMENTS. THE DEVICES SHALL MEET AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE) STANDARDS OR BE ON THE UNIVERSITY OF SOUTHERN CALIFORNIA APPROVAL LIST. THE DEVICES SHALL BE INSTALLED AND TESTED (BOTH INITIAL AND PERIODIC TESTING THEREAFTER) IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS OR THE LOCAL CROSS-CONNECTION CONTROL PROGRAM, WHICHEVER IS MORE STRINGENT. CONTACT JOANIE HARTLEY AT (919) 996-5923 OR JOANIE.HARTLEY@RALEIGHNC.GOV FOR MORE INFORMATION.

ADDITIONAL UTILITY NOTES

- 1. ALL WATER MAINS, SERVICES AND FIRE SERVICES GREATER THAN 2" DIAMETER ARE TO BE DUCTILE IRON PIPE. 2" & SMALLER DOMESTIC SERVICES MUST BE TYPE K SOFT COPPER (WITHOUT FITTINGS) TO THE WATER METER.
2. ALL SEWER MAINS SHALL BE EITHER PVC OR DUCTILE IRON PIPE AS SHOWN ON THE PLANS. ALL PIPE MATERIAL SHALL MEET CITY OF RALEIGH STANDARDS AND SPECIFICATIONS AS DEFINED IN THE LATEST ISSUE OF THE PUBLIC UTILITIES HANDBOOK AND/OR UNIFIED DEVELOPMENT ORDINANCE (UDO).
3. ALL FIRE HYDRANTS ALONG PUBLIC R/W LINES SHALL HAVE A 5'x5'1' CITY OF RALEIGH WATERLINE EASEMENT ONTO ADJACENT PROPERTY.
4. ALL SANITARY SEWER INTERCEPTOR LINES (12" AND LARGER), AS WELL AS MANHOLES AND FITTINGS ASSOCIATED WITH THE INTERCEPTOR LINE, SHALL BE INTERNALLY LINED WITH PROTECTO 401 OR APPROVED EQUAL TO PREVENT HYDROGEN SULFIDE CORROSION. SEE THE CURRENT CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT HANDBOOK FOR APPROVED COATINGS AND APPLICATION METHODS.
5. IN ACCORDANCE WITH GENERAL STATUTE 87-121(G), ALL UNDERGROUND UTILITIES INSTALLED AFTER OCTOBER 1, 2014 SHALL BE ELECTRONICALLY LOCATABLE. CONTRACTOR SHALL COORDINATE DIRECTLY WITH THE CITY OF RALEIGH PUBLIC UTILITIES DEPARTMENT FOR DETAILS AND SPECIFICATIONS FOR MEETING THESE REQUIREMENTS.
6. EXISTING UTILITIES SHOWN ARE BASED ON FIELD SURVEYS AND THE BEST AVAILABLE RECORD DRAWINGS. THE CONTRACTOR SHALL VERIFY CONDITIONS PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE PLANS SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.
7. ALL WATER AND SEWER MAINS WITHIN PUBLIC EASEMENTS OR RIGHTS-OF-WAY TO BE OWNED, OPERATED, AND MAINTAINED BY THE CITY OF RALEIGH.
8. ALL WATER AND SEWER MAINS NOT WITHIN PUBLIC EASEMENTS OR RIGHTS-OF-WAY TO BE PRIVATELY OWNED, OPERATED, AND MAINTAINED BY THE PROPERTY OWNER.
9. CONTRACTOR SHALL NOTIFY "NC811" (811) OR (1-800-632-4949) AT LEAST 3 FULL BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED. CONTRACTOR SHALL CONTACT ANY LOCAL UTILITIES THAT PROVIDE THEIR OWN LOCATOR SERVICES INDEPENDENT OF "NC811". REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
10. ALL UTILITY SLEEVES SHALL BE SCHEDULE 40 PVC AND INSTALLED WITH 2" MINIMUM COVER. BOTH ENDS SHALL BE CAPPED AND MARKED.

REVISIONS

NO. DATE

PLAN INFORMATION

PROJECT NO. BHD24001
FILENAME BHD24001-N1
CHECKED BY DMB
DRAWN BY JJ
SCALE NTS
DATE 05.31.2024

SHEET

PROJECT NOTES

C0.00



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HILLCREST RALEIGH
ADMINISTRATIVE SITE REVIEW
3830 BLUE RIDGE ROAD
RALEIGH, NORTH CAROLINA, 27612

REVISIONS

NO. DATE

PLAN INFORMATION


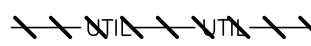
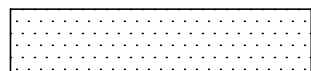
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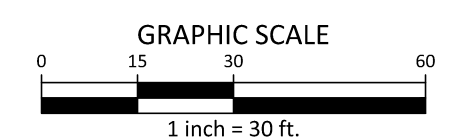
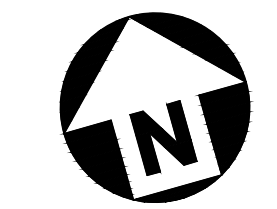
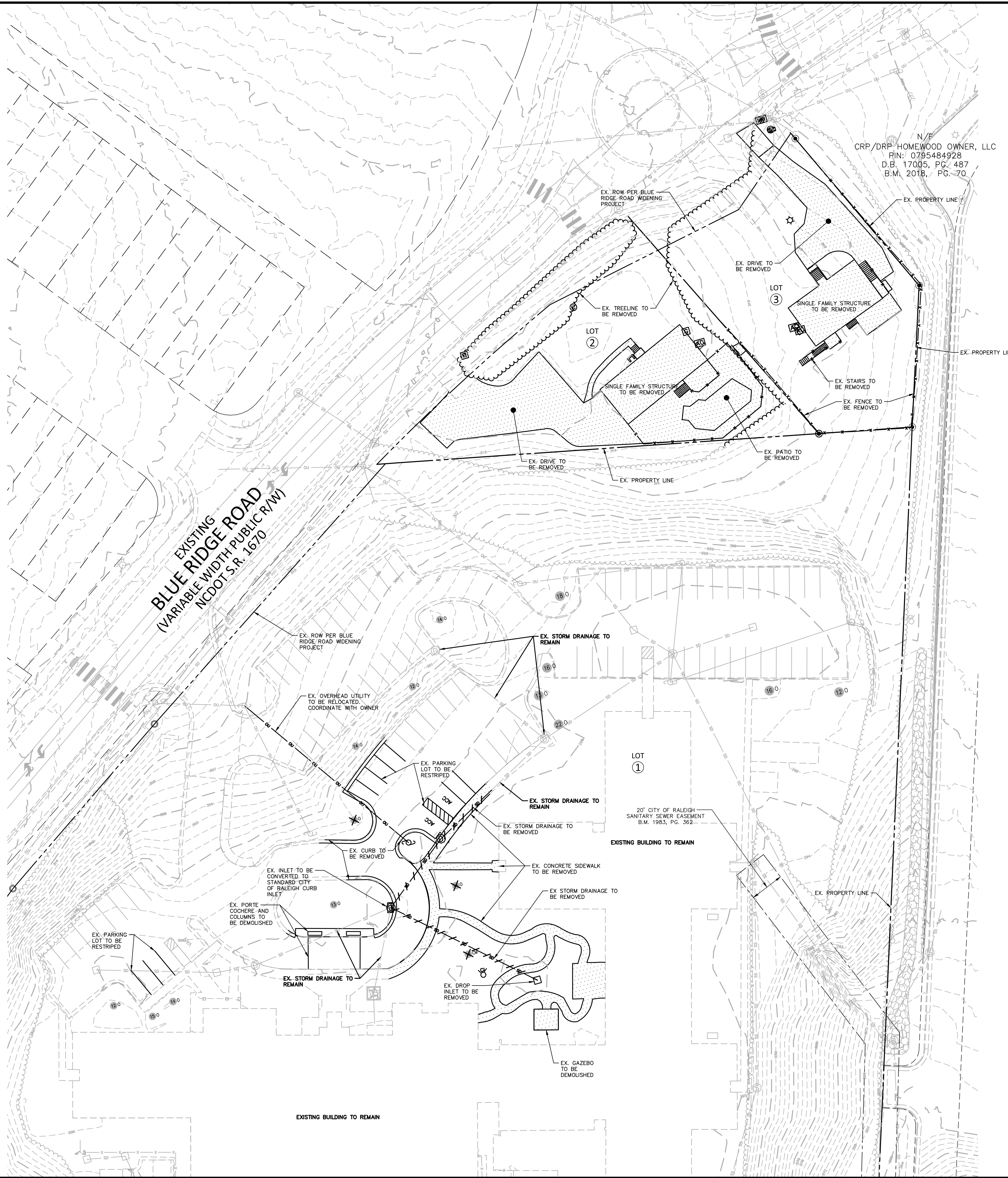
DEMOLITION PLAN

C1.01

DEMOLITION LEGEND

-  TREE OR OTHER VEGETATION TO BE REMOVED
-  UNDERGROUND UTILITY TO BE REMOVED
-  AREA TO BE REMOVED (SIDEWALK, CURB AND GUTTER, STRUCTURES, ASPHALT, CONCRETE PAVING, ETC.)

NOTE: SEE PLAN FOR DETAILED DEMOLITION PROCEDURES, SEQUENCING AND SPECIFICATIONS.



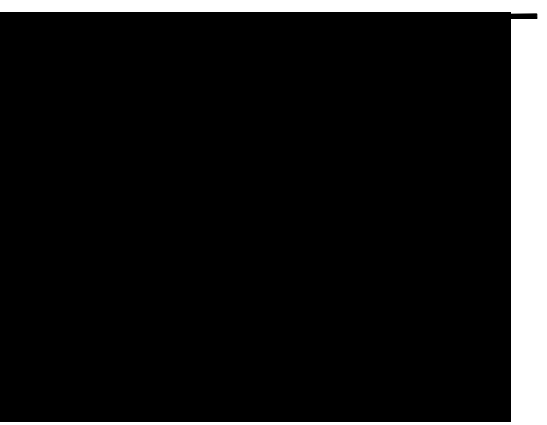


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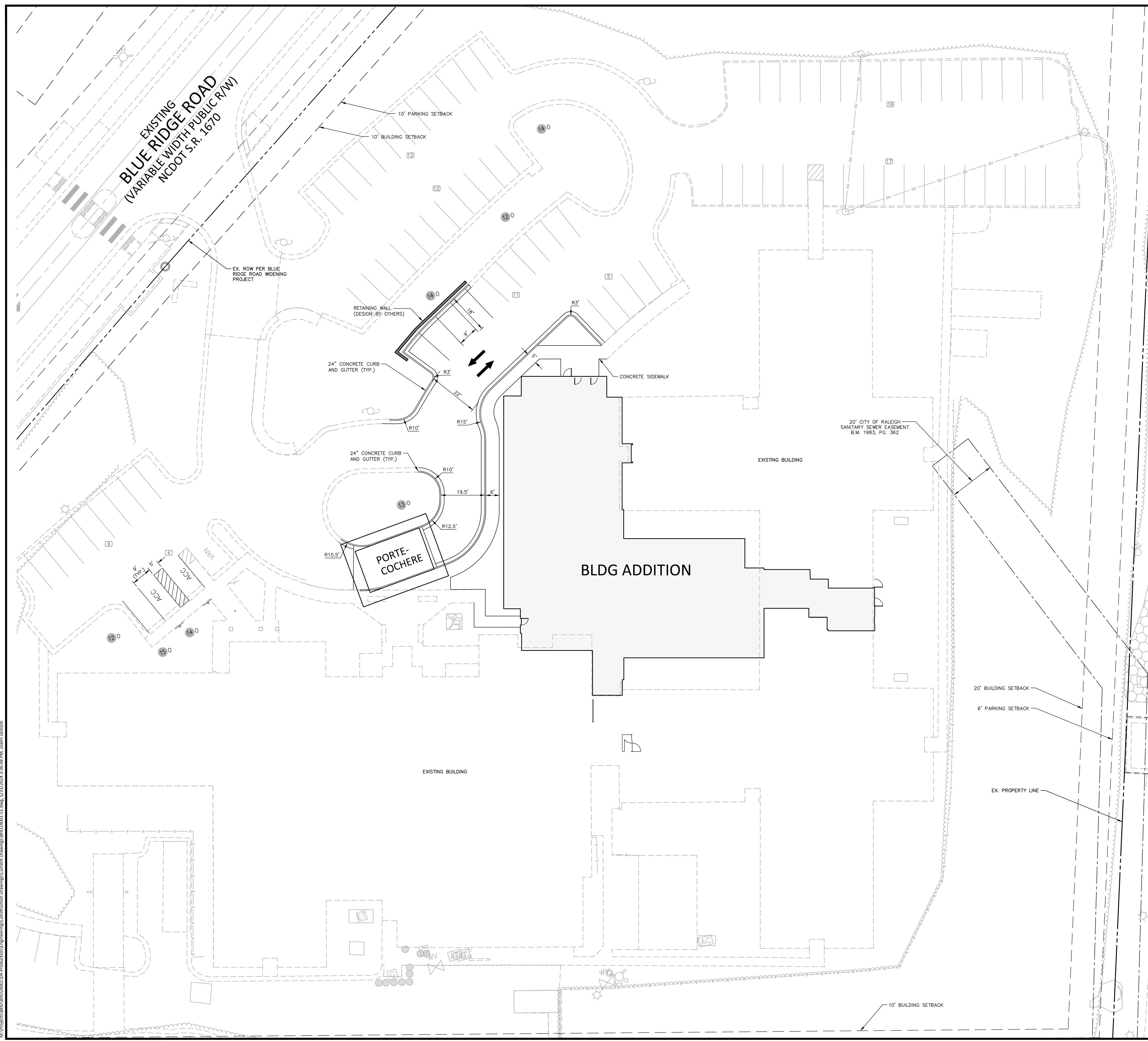
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SITE PLAN

C2.00

SITE LEGEND

- SIGNAGE
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- TRAFFIC DIRECTIONAL ARROW
- ACCESSIBLE PARKING STALL
- VAN ACCESSIBLE PARKING STALL
- PARKING SPACE COUNT
- ACCESSIBLE RAMPS
- ACCESSIBLE ROUTE
- PHASE LINE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- LOT LINE
- EASEMENT LINE
- CENTERLINE
- HEAVY DUTY ASPHALT PAVEMENT



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SHEET

GRADING PLAN

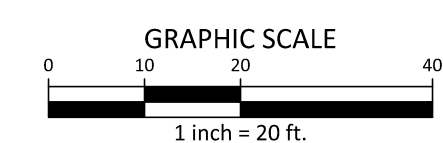
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GRADING LEGEND

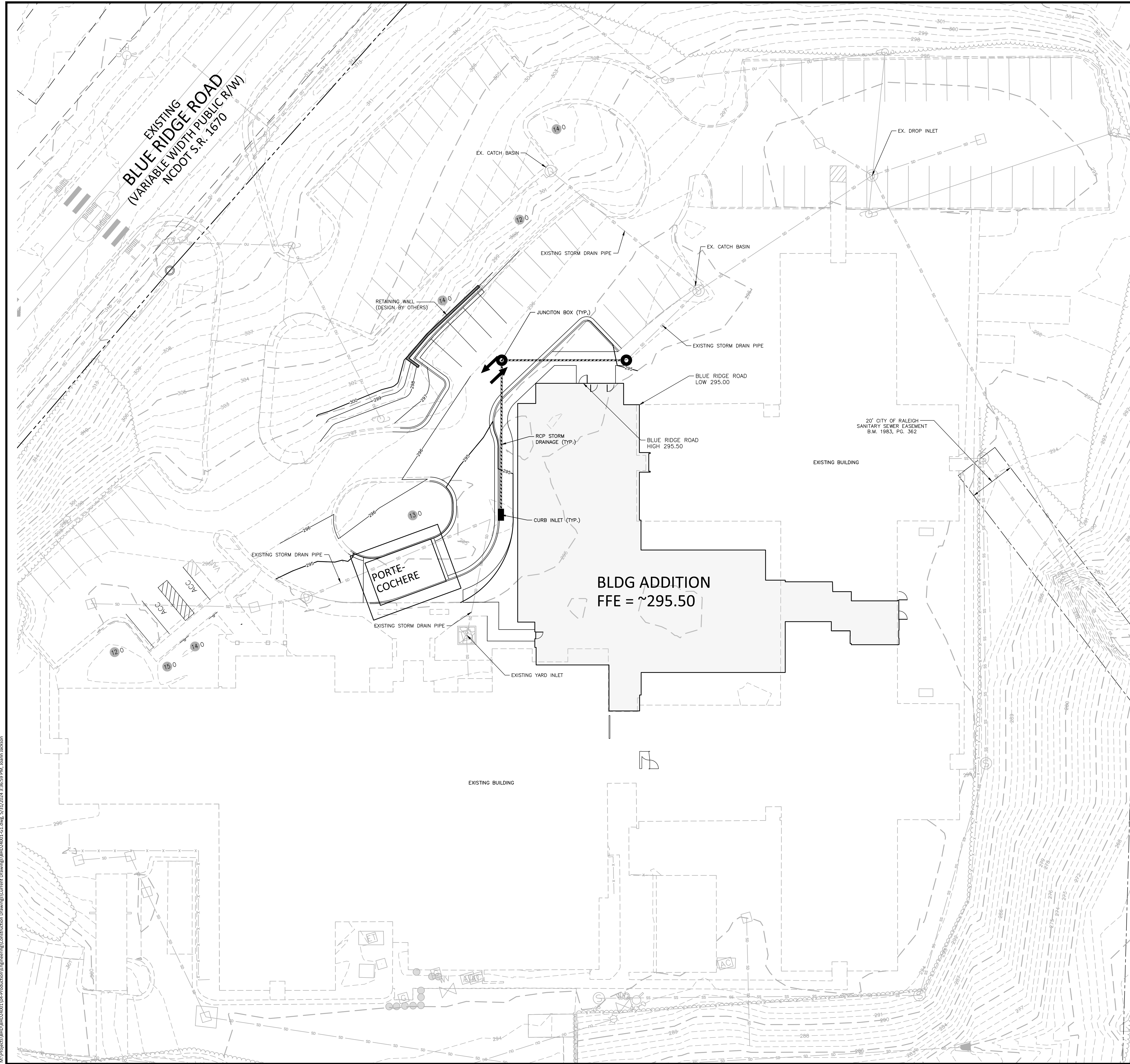
- FLARED END SECTION
- ENDWALL SECTION
- CATCH BASIN
- DROP INLET
- STORM SERVICE INLET
- STORM SERVICE ROOF-DRAIN
- JUNCTION BOX
- DRAINAGE FLOW ARROW
- LINE BREAK SYMBOL
- TOP & BOTTOM CURB ELEVATIONS
- TOP OF WALL ELEVATION
- BOTTOM OF WALL ELEVATION
(NOTE: BOTTOM OF WALL IS GROUND ELEVATION NOT WALL FOUNDATION)
- SPOT ELEVATION
- STORM DRAINAGE
- STORM SERVICE LINE
- ROOF DRAIN, 8" ADS
NON-PERFORATED TUBING OR
EQUAL, 1.0% MIN. SLOPE 3' MIN.
COVER PVC SCHEDULE 40 IN
TRAFFIC AREAS
- TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- WOODED AREA
- MAJOR CONTOUR
- MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EASEMENT LINE
- ACCESSIBLE PARKING AREA
(2% MAX. SLOPE IN ALL DIRECTIONS)

AVERAGE GRADE

	HIGH	LOW	AVERAGE
Blue Ridge Road	295.50	295.00	295.25



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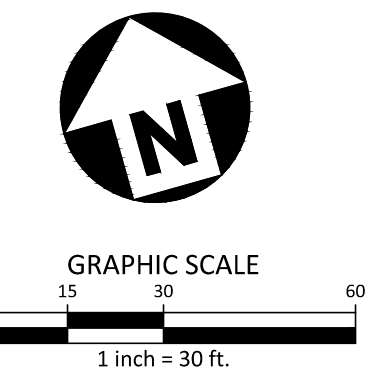
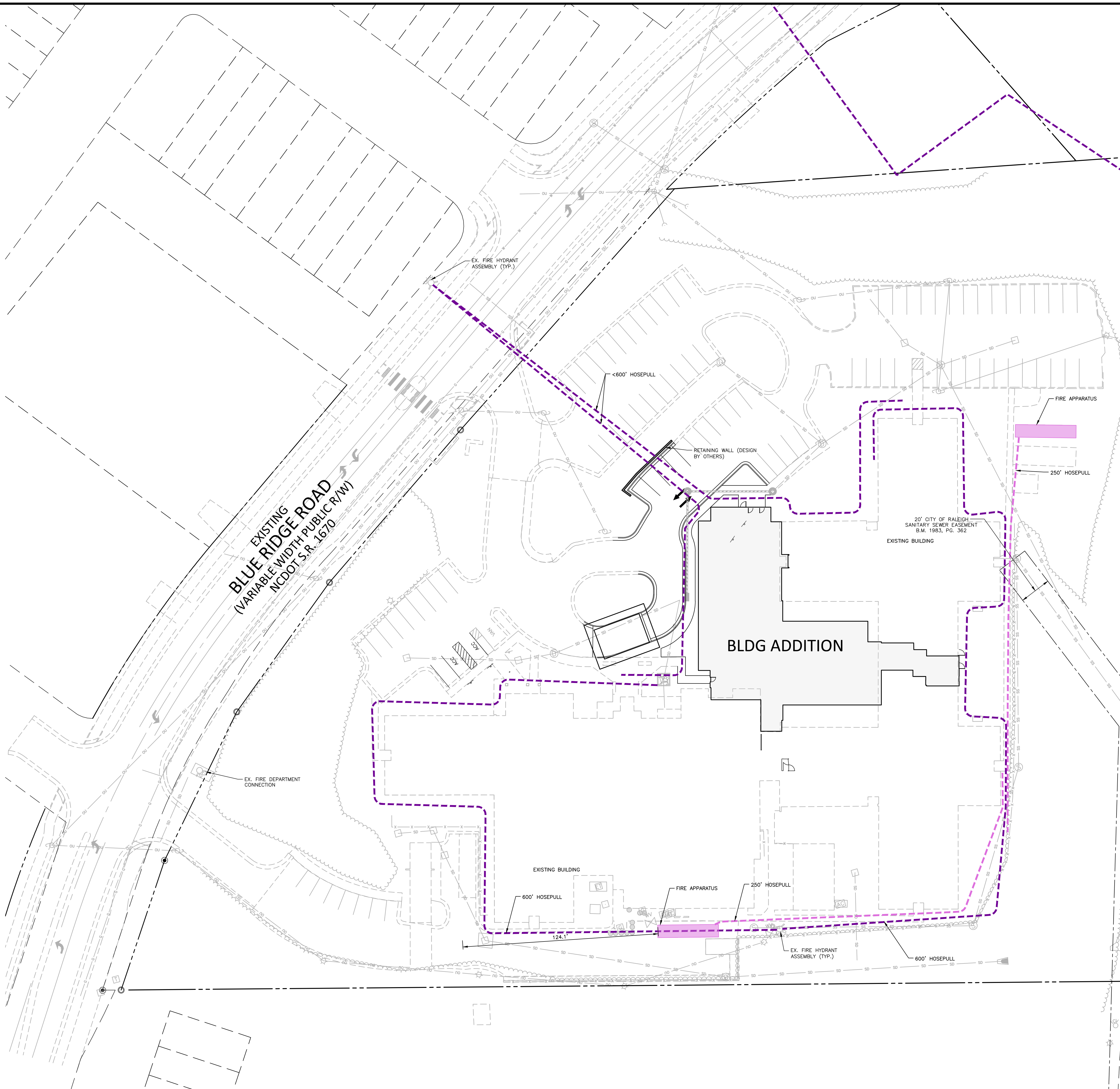
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FIRE ACCESS PLAN

C4.00

UTILITY LEGEND

- FIRE HYDRANT ASSEMBLY
- FIRE DEPARTMENT CONNECTION (FDC)
- WATER METER
- WATER VALVE
- POST INDICATOR VALVE
- VALVE IN MANHOLE
- METER & VAULT
- BACKFLOW PREVENTER
- REDUCER
- PLUG
- BLOW-OFF ASSEMBLY
- SANITARY SEWER MANHOLE
- SEWER CLEAN-OUT
- GREASE TRAP
- SEWER FLOW DIRECTION ARROW
- YARD LIGHTS
- LIGHT POLE
- POWER POLE
- LINE BREAK SYMBOL
- WATERLINE
- WATER SERVICE LINE
- UTILITY SLEEVE
- SANITARY SEWER
- SEWER SERVICE LINE
- SEWER FORCE MAIN
- GAS LINE
- OVERHEAD UTILITY
- UNDERGROUND ELECTRIC
- TELEPHONE
- EASEMENT LINE



PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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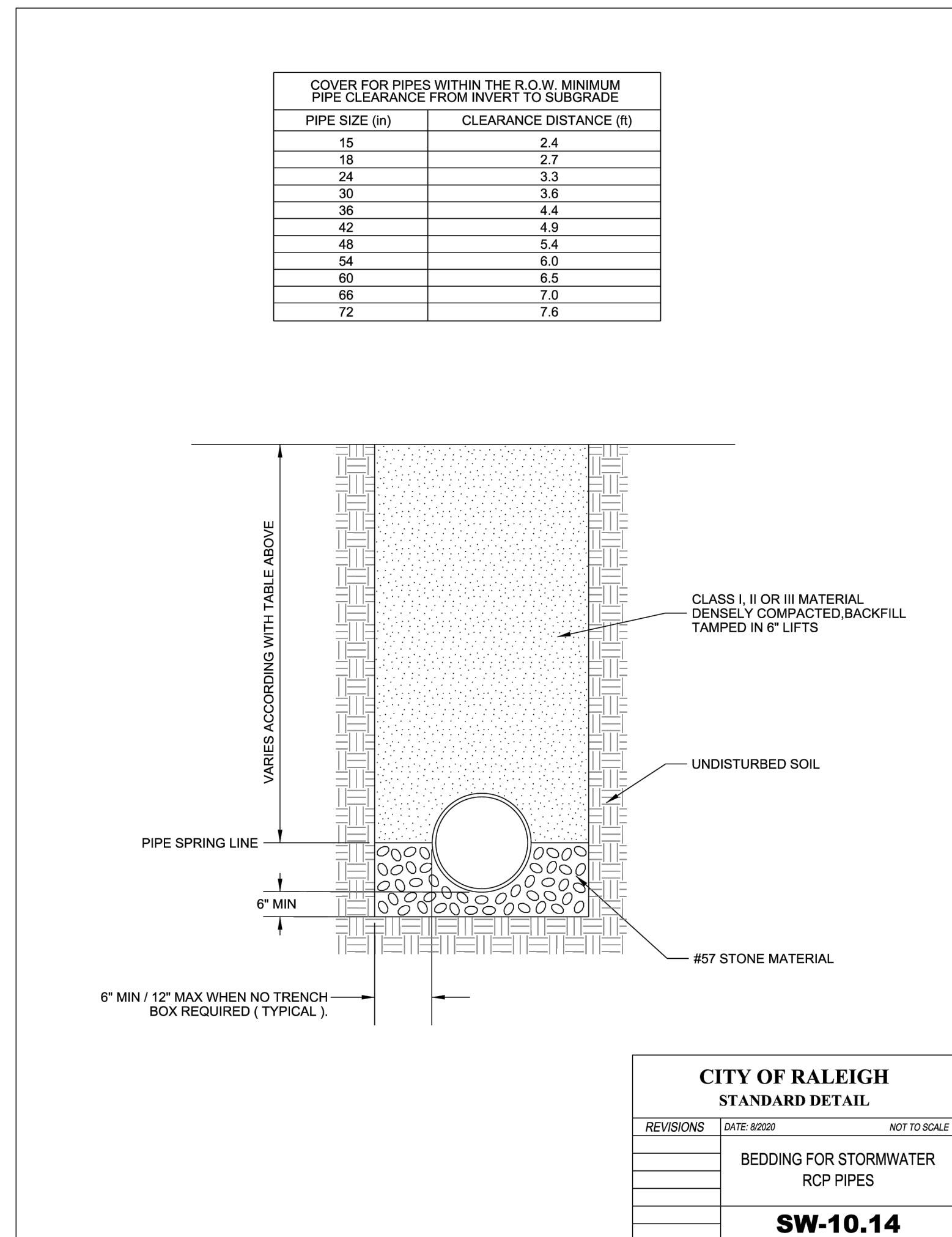
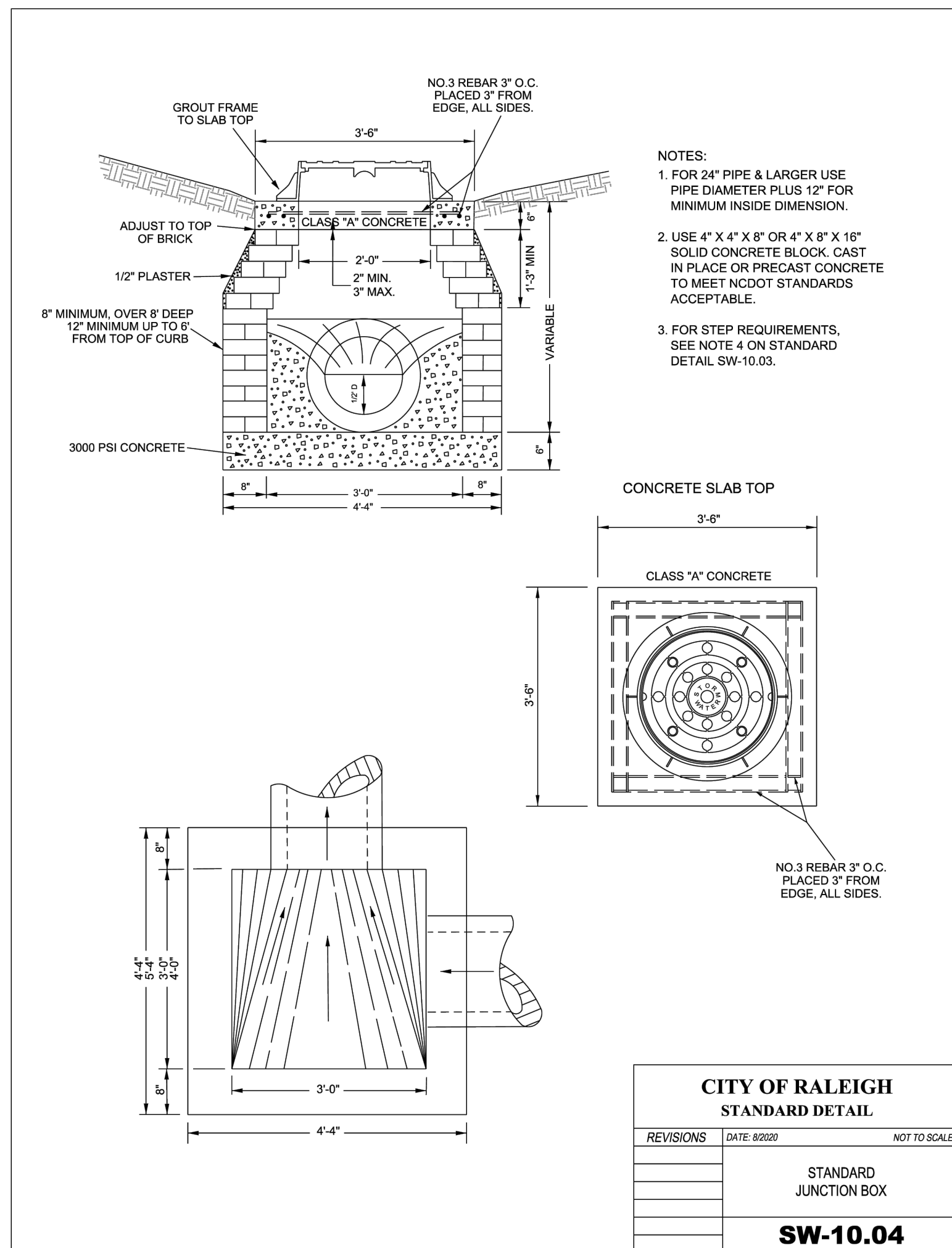
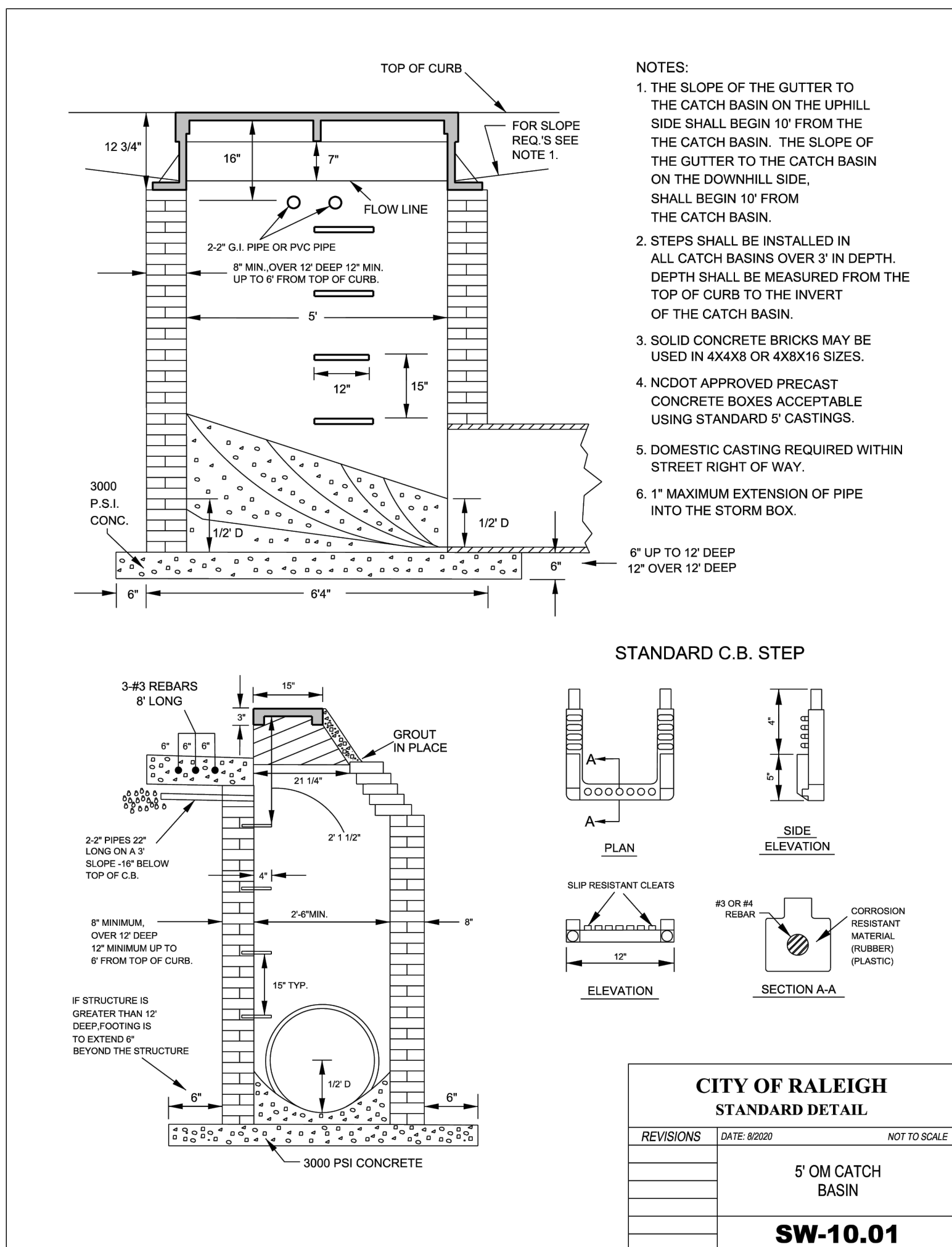
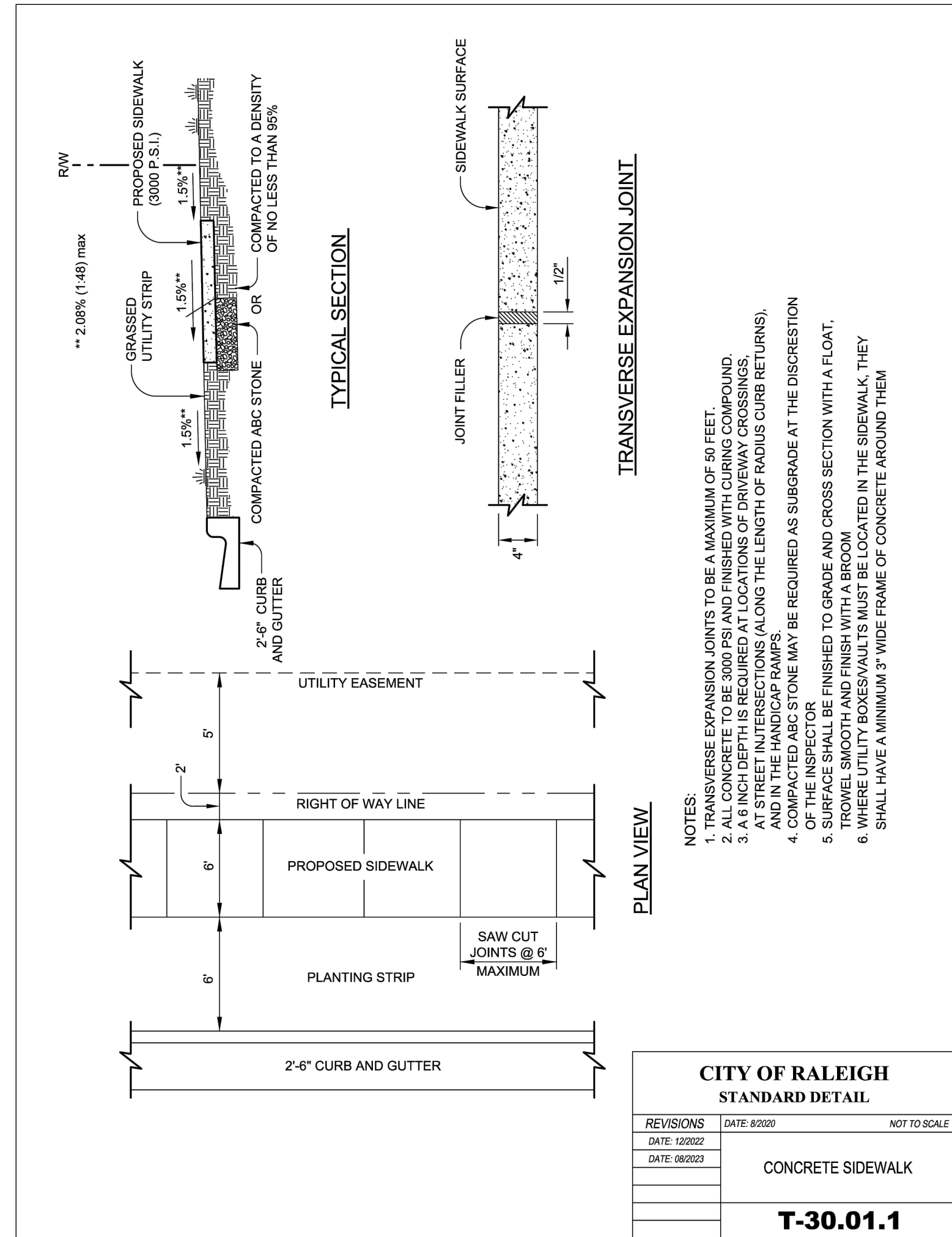
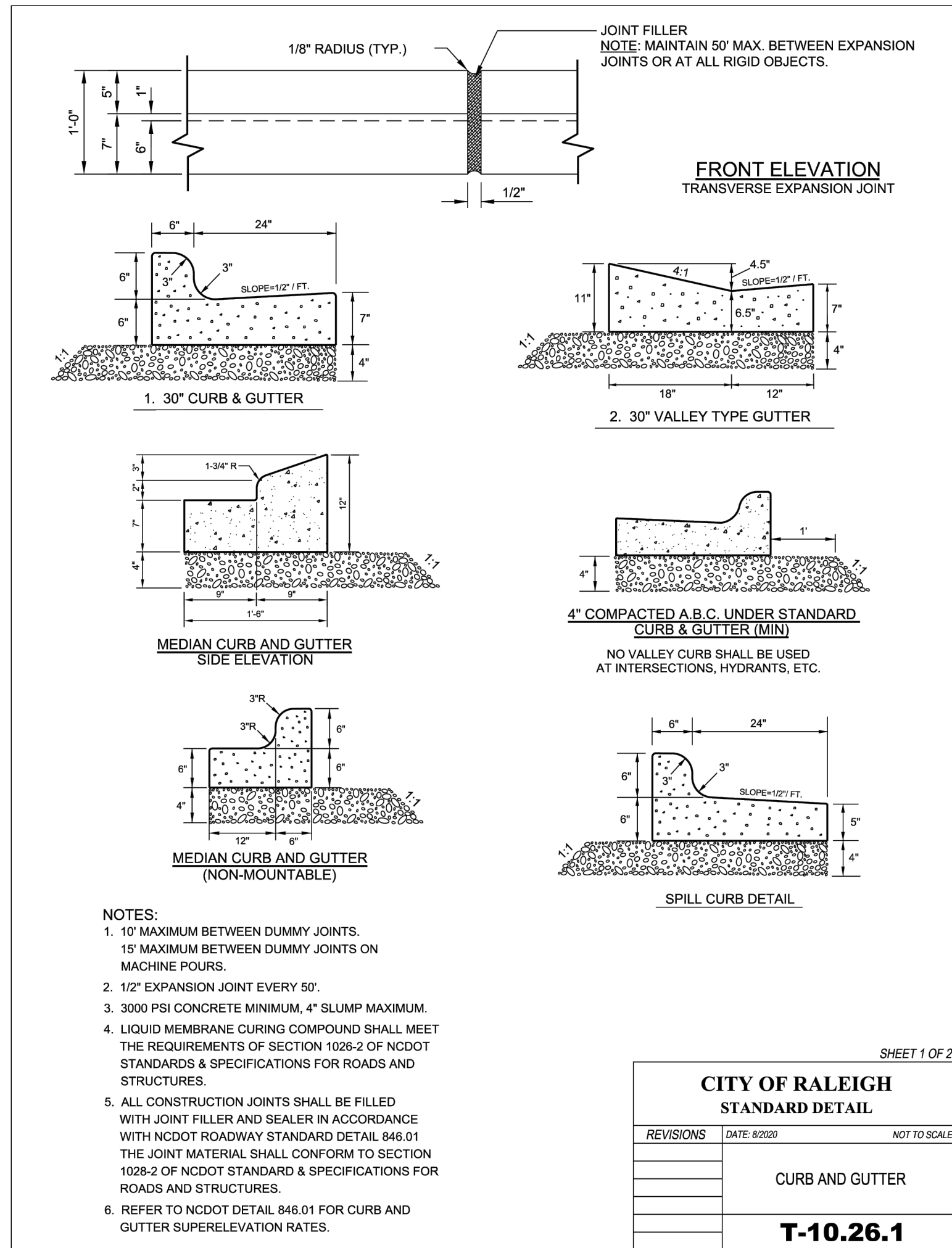
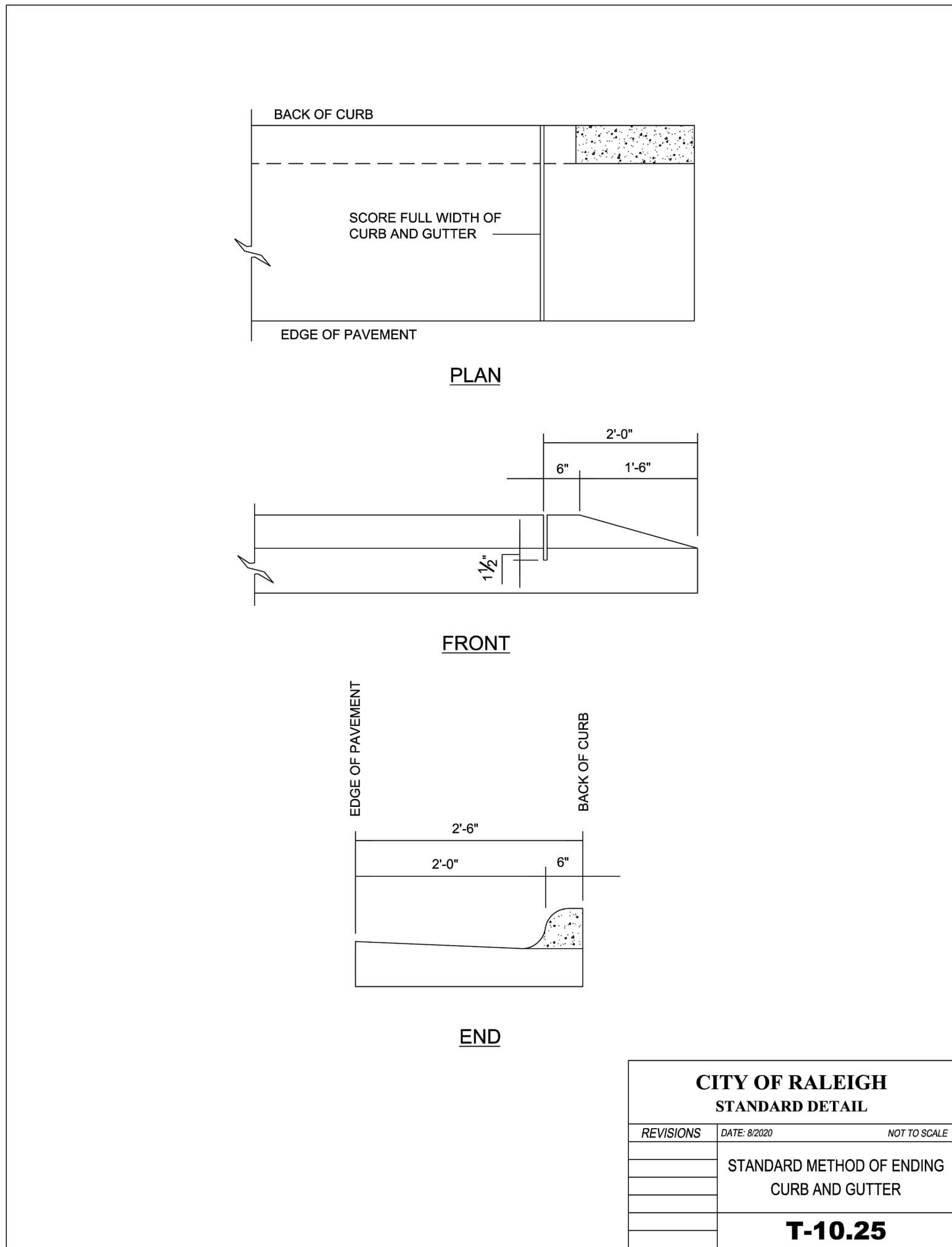
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PIPE SIZE (in)	CLEARANCE DISTANCE (ft)
15	2.4
18	2.7
24	3.3
30	3.6
36	4.4
42	4.9
48	5.4
54	6.0
60	6.5
66	7.0
72	7.6

REVISIONS

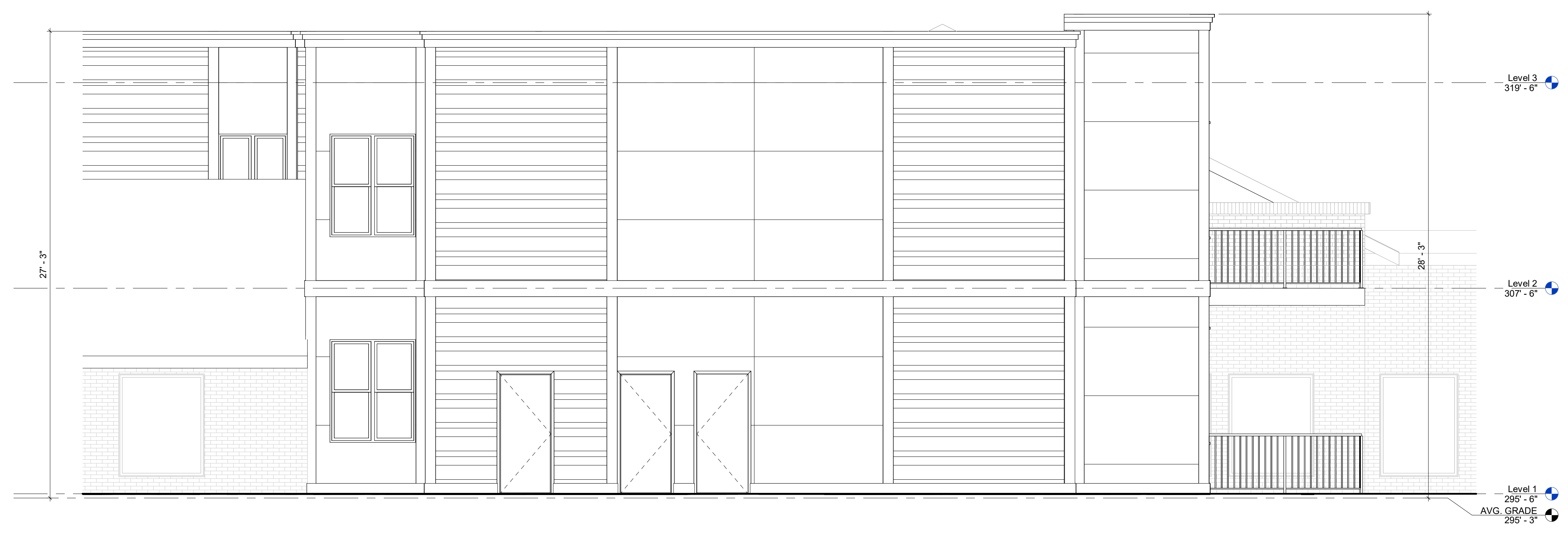
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PLAN INFORMATION

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SCALE NTS
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SITE AND STORM DRAINAGE DETAILS
C8.00



2 NORTH ELEVATION
A201 1/4" = 1'-0"



1 EAST ELEVATION
A201 1/4" = 1'-0"

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2024.05.16
Project Number
HLC01.02

A201