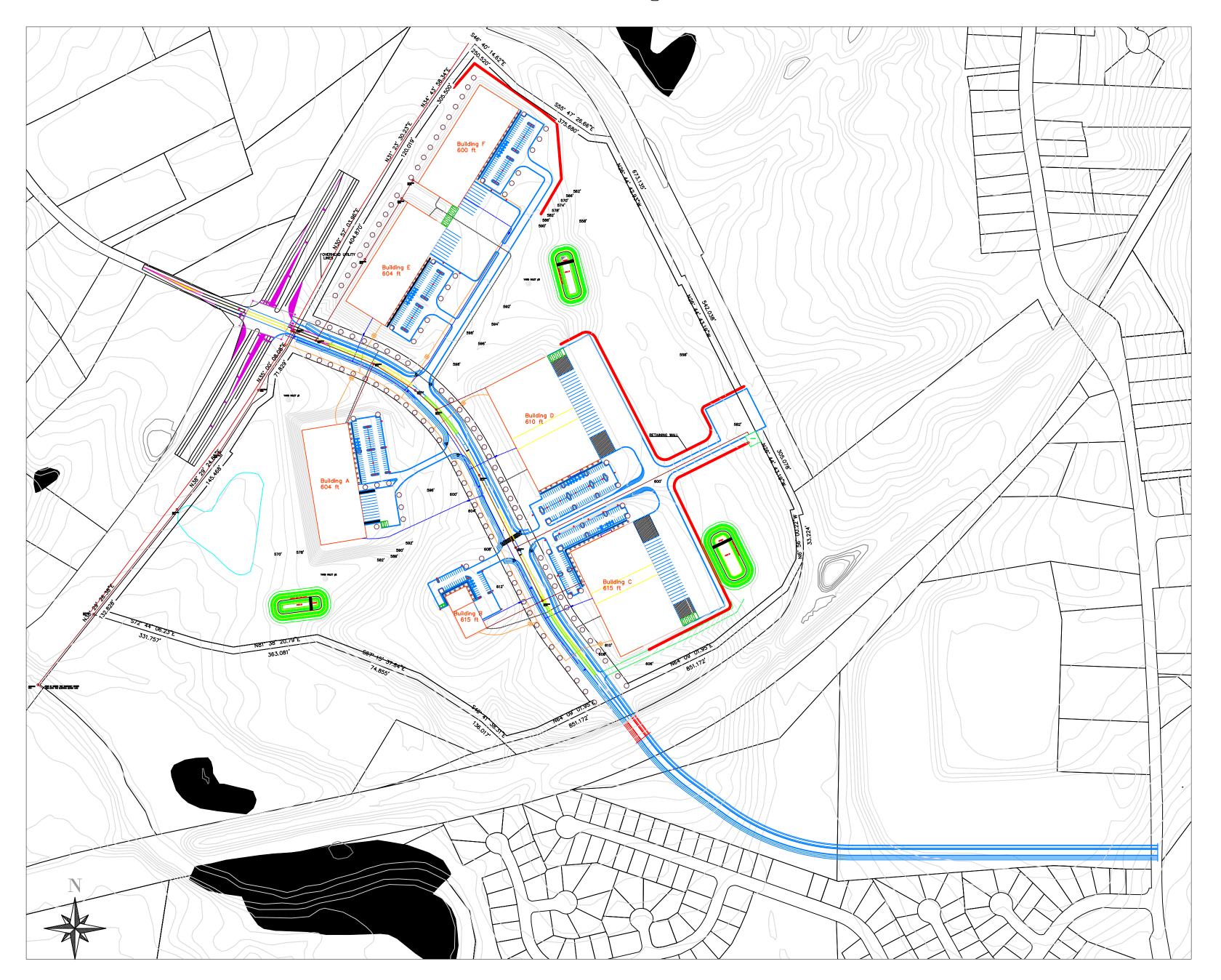
# Morrison Ridge Industrial Park

Senior Design 2015



GROUPS: LAND DEVELOPMENT, TRANSPORTATION, ENVIRONMENTAL, AND GEOTECHNICAL

	General	Notes	
		4.	
No.	Revision	/Issue	Date
Firm N	lame and Address		
Project	Name and Address		
	RISON RIDGE INDU WAY 49 S & STO		
CONC	WAY 49 S & STO CORD, NC 2827	·· ND,	
Project	: NIOR DESIGN	Sheet	
Date	/30/2015	-C-0.	10
Scale	,	-	
	T TO SCALE		

# **GENERAL NOTES**

- 1. THE MORRISON RIDGE SITE IS 112 ACRES.
- 2. THIS DRINKING WATER AND THE SANITARY SEWER WILL BE PROVIDED BY THE CITY OF CONCORD.
- 3. THIS SITE WILL TIE IN TO EXISTING WATER AND SEWER LINES RUNNING ALONG HWY 49 WITH A 8 INCH SANITARY SEWER LINE AND A 6 INCH WATER LINE.
- 4. THIS SET OF PLANS COMPLIES WITH ALL STATE AND LOCAL ORDINANCES AND HAS BEEN REVIEWED AND CERTIFIED BY A PROFESSIONAL ENGINEER OF THIS STATE.
- 5. THE GENERAL CONTRACTOR MUST NOTIFY THE DESIGN ENGINEER AND THE PROJECT ENGINEER 7 DAYS PRIOR TO BEGINNING ANY SITE CONSTRUCTION.
- 6. ANY DISCREPANCIES FOUND ON THE PLANS OR ON THE SIT SHALL IMMEDIATELY BE BROUGHT THO THE ATTENTION OF THE GENERAL CONTRACTOR, THE PROJECT ENGINEER, THE DESIGN ENGINEER, AND THE OWNER.
- 7. PRIOR TO BEGINNING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS AND APPROVALS FROM ALL REGULATORY AUTHORITIES.
- 8. THE GENERAL CONTRACTOR SHALL GIVE NOTICE OF CONSTRUCTION AND REQUEST APPROVAL FOR OPERATING IN ANY EASEMENT AREAS, UTILITY ZONES, OR PUBLIC /PRIVATE OWNED LANDS.
- 9. THIS SITE IS BORDERED TO THE SOUTH BY A NCDOT RAIL LINE LEASED BY NORFOLK SOUTHERN AND AMTRAK. ALL WORK WITHIN 100 FEET OF THE ACTIVE RAIL SHALL BE DONE ONLY UNDER APPROVAL OF NORFOLK SOUTHERN AND NCDOT.
- 10. THE GENERAL CONTRACTOR SHALL MAINTAIN A SITE ENVIRONMENT AT ALL TIMES THAT IS SAFE FOR THE PUBLIC, WORKERS, AND THE ENVIRONMENT.
- 11. ANY PUBLIC OR PRIVATE LAND, UTILITIES, FACILITIES OR PROPERTY DAMAGED DURING CONSTRUCTION WITHOUT PRIOR APPROVAL SHALL BE

  C 2.24

  C 2.25

  RECONSTRUCTED OR REPLACED TO PREVIOUS OR BETTER CONDITION AND SHALL BE PAID FOR BY THE LIABLE PARTY.

  C 3.10
- 12. ALL SURVEYING PERMANENT MARKERS OR MONUMENTS SHALL BE PROTECTED TO MAINTAIN THEIR INTEGRITY DURING CONSTRUCTION.
- 13. IF A SURVEYING PERMANENT MARKER OR MONUMENT IS DAMAGED DURING CONSTRUCTION IT MUST BE RESET IN THE PROPER PLACE BY A PROFESSIONALLY LICENSED SURVEYOR.
- 14. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO VERIFY THE LOCATION OF ANY AND ALL EXISTING UTILITIES ON SITE, ANY UTILITIES DAMAGED DURING CONSTRUCTION ARE REPLACED AT THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- 15. ANY CHANGES OR REVISIONS TO THIS PLAN WILL BE REVIEWED AND CERTIFIED BY A PROFESSIONAL ENGINEER OF NORTH CAROLINA. ANY REVISIONS WILL BE MADE AVAILABLE TO THE PROJECT ENGINEER, THE GENERAL CONTRACTOR, AND THE OWNER AS SOON AS POSSIBLE.
- 16. DURING GRADING ANY CUT SLOPES GREATER THAN 30 FEET IN HEIGHT OR STEEPER THAN 2:1 SHALL BE REVIEWED BY A PROFESSIONALLY LICENSED ENGINEER AND PERIODICALLY INSPECTED BY A LICENSED INSPECTOR.
- 17. ALL TRENCHES OR HOLES SHALL CONFORM TO OSHA GUIDELINES FOR CAVE IN PROTECTION AND SLOPE STABILITY.
- 18. EROSION CONTROL PLANS SHALL BE COMPLIED WITH AT ALL TIMES.
- 19. AFTER GRADING IS COMPLETED ON EACH STAGE, THIS AREA MUST BE SEEDED AND MULCHED WITHIN 45 DAYS.
- 20. THE WETLAND LOCATED IN THE WESTERN CORNER OF THE SIT ALONG HWY 49 SHALL NOT BE DISTURBED UNDER ANY CIRCUMSTANCES. THIS AREA IS TO BE CLOSED OFF TO CONSTRUCTION AND RUNOFF WATER SHALL BE DIVERTED AS TO NOT POLLUTE THE WETLAND.
- 21. DURING CONSTRUCTION, A CONSTRUCTION ENTRANCE SHALL BE BUILT AT THE BEGINNING OF THE PROPOSED ROAD AT HWY 49 IN ORDER TO PREVENT EXCESS MUD TRACKING ONTO PUBLIC ROADS. IN ADDITION CONSTRUCTION VEHICLES SUCH AS DUMP TRUCKS SHALL BE RINSED OFF IN A GRAVEL PIT PRIOR TO EXITING THE SITE.
- 22. ALL CUT SOIL REMOVED FROM THIS SITE SHALL BE PROPERLY DISPOSED OF AND THE ORIGINAL TOPSOIL SHALL BE STORED AND THEN REPLACED DURING FINAL GRADING WHENEVER POSSIBLE.
- 23. PRIOR TO ANY COMBUSTIBLES (DIESEL FUEL) ENTERING THE SITE AN ALL WEATHER ENTRANCE MUST BE CONSTRUCTED INTO THE SITE CAPABLE OF REACHING THE MATERIAL AND SUPPORT A 75,000 POUND VEHICLE.
- 24. ANY EXISTING TREES OR SHRUBS THAT ARE NOT TO BE DEMOLISHED DURING CONSTRUCTION SHALL BE MARKED AND FENCED OFF BY THE GENERAL CONTRACTOR AND SHOULD BE PROTECTED DURING CONSTRUCTION.
- 25. OPEN BURNING OF CONSTRUCTION DEBRIS, VEGETATION, OR ANY OTHER WASTE IS STRICTLY PROHIBITED ON THIS SITE PER CITY OF CONCORD ORDINANCE.
- 26. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE POTABLE TOILETTES ON THE SITE TO ACCOMMODATE THE NUMBER OF CONSTRUCTION WORKERS.
- 27. ANY UNDERGROUND UTILITIES TO BE CONSTRUCTED IN FILL AREAS MUST BE INSTALLED FOLLOWING THE INSTALLATION OF THE FILL SOIL AND THE COMPLETE COMPACTION OF THE SOIL SO AS TO REDUCE SETTLEMENT AND BREAKAGE OF UTILITY LINES.

#### TABLE OF CONTENTS

POND 2

POND 3

STORMWATER DETAILS

SHEET

C - 0.10

C - 0.20 C - 1.10

C - 1.11

C - 1.12

C - 1.13

C - 1.14

C - 1.15

C - 1.16

C - 1.17

C - 1.18

C - 1.19

C - 1.20

C - 1.21

C - 1.22

C - 2.10

C - 2.11 C - 2.12

C - 2.13

C - 2.14

C - 2.15

C - 2.16

C - 2.17 C - 2.18

C - 2.19

C - 2.20

C - 2.21

C - 2.22

C - 2.23

C - 3.11

C - 3.12

C - 3.13

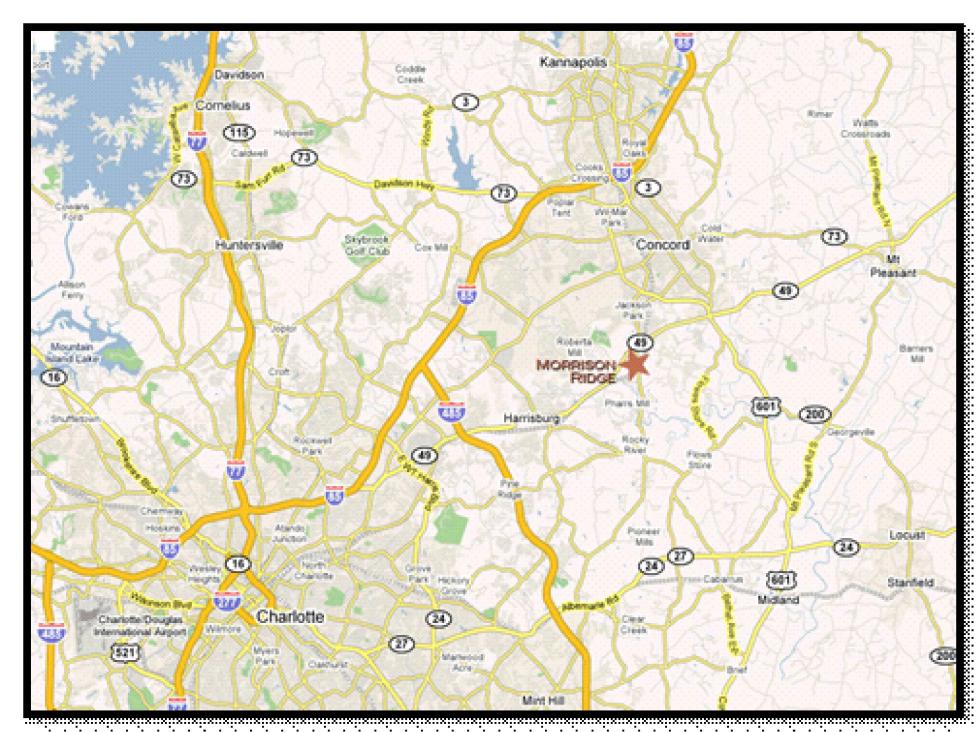
C - 3.14

NAME	SHEET
COVER PAGE	C - 3.15
GENERAL NOTES	C - 3.20
TOTAL SITE	C - 3.21
NEW CONTOURS	C - 3.22
EXISTING GRADE	C - 3.23
PARKING LOTS	C - 3.24
UTILITIES	C - 3.30
LANDSCAPE PLAN	C - 3.40
BUILDING A	C - 3.41
BUILDING B	C - 3.42
BUILDING C	C - 3.43
BUILDING D	C - 3.44
BUILDING E & F	C - 3.45
SITE DETAIL 1	C - 3.46
SITE DETAIL 2	C - 3.47
HORIZONTAL ALIGNMENT	C - 3.48
VERTICAL ALIGNMENT	C - 3.49
SHEET - 1	C - 3.50
SHEET - 2	C - 3.51
SHEET - 3	C - 3.52
SHEET - 4	C - 3.53
SHEET - 5	C - 3.54
BRIDGE & GUARDRAIL	C - 3.55
MEDIANS	C - 4.10
PROFILES	C - 4.11
PROFILES	C - 4.12
PROFILES	C - 4.13
ASSEMBLY, SIGNAGE, AND PAVEMENT MARKING	C - 4.14
CONSTRUCTION DETAILS	
CONSTRUCTION DETAILS	
POLE LAYOUT AND DESIGN	
LANE IMPROVEMENTS	
STORMWATER DESIGN	
POND 1	

### NAM

STORMWATER PROFILES EROSION CONTROL #1 EROSION CONTROL #2 EROSION CONTROL #3 EROSION CONTROL DETAILS 1 EROSION CONTROL DETAILS 2 CISTERN DRAWING LIST FOR PUMP STATION PLAN VIEW FOR MORRISON RIDGE PLAN VIEW SUBMERSIBLE PUMP STATION PROFILE VIEW FOR WET WELL DESIGN PLAN VIEW FOR WET WELL DESIGN DETAILS FOR ALUMINUM COVER PLATE CHAIN LINK FENCE DETAIL MANHOLE DETAIL TRANSITION MANHOLE DETAIL OVERALL GRAVITY SEWER PROFILE GRAVITY SEWER PROFILE AND PLAN VIEWS STEEL WAREHOUSE FOUNDATION CONCRETE WAREHOUSE FOUNDATION MACHINE SHOP FOUNDATION LAYOUT STEEL WAREHOUSE RETAINING WALL CONCRETE WAREHOUSE RETAINING WALL

## VICINITY MAP



No. Revision/Issue Date

Firm Name and Address

Project Name and Address

CONCORD, NC 2827

Senior Design

04/30/2015

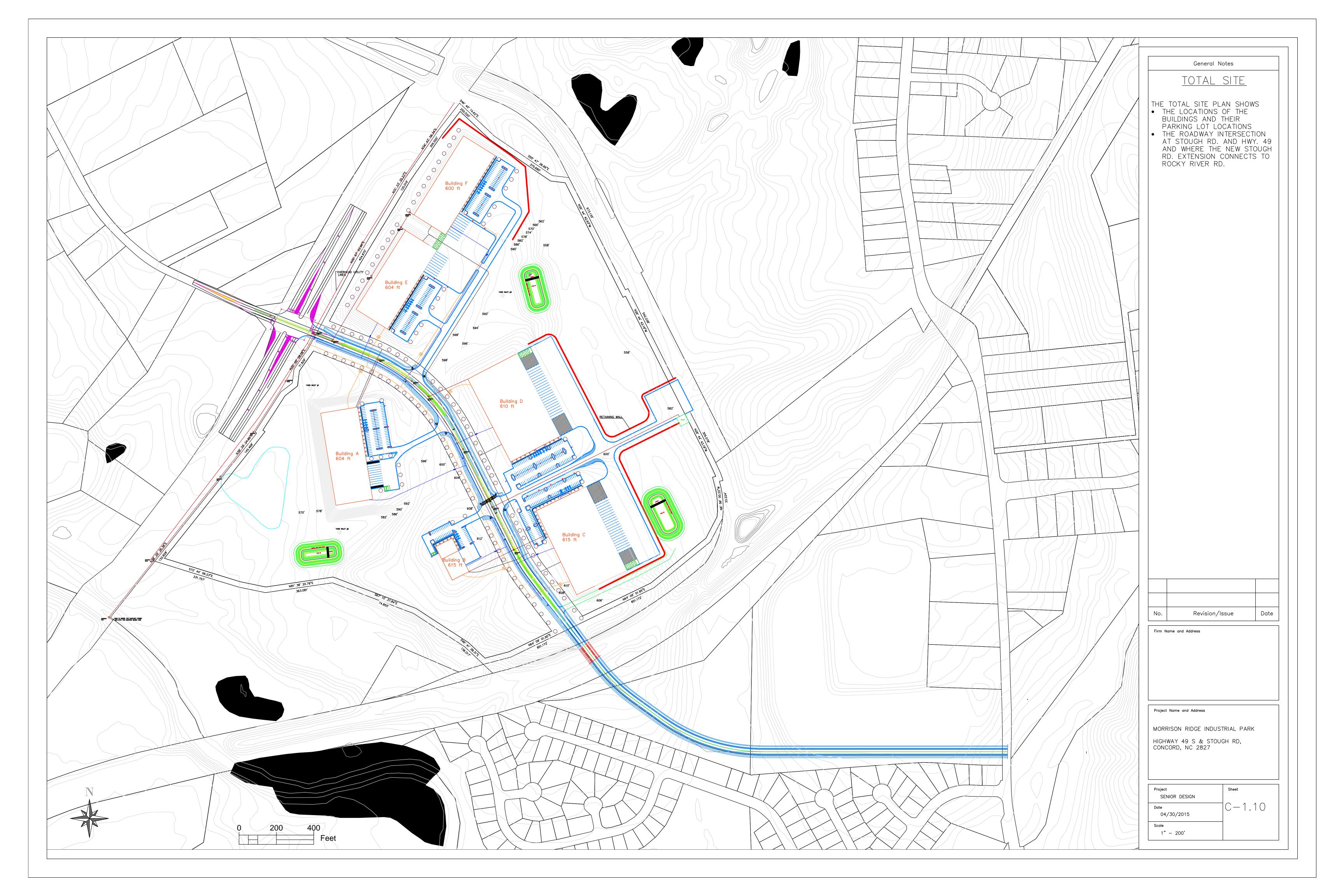
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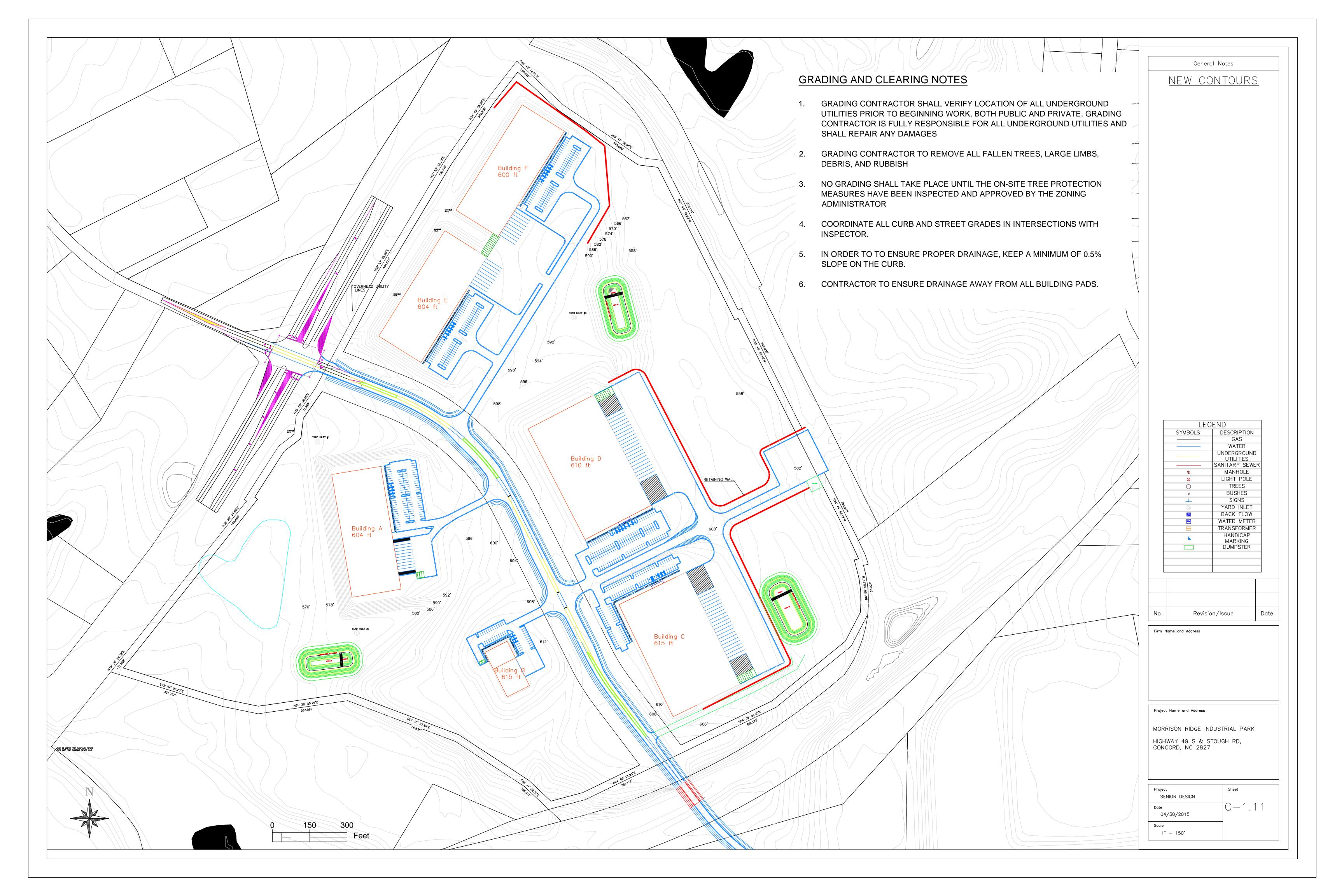
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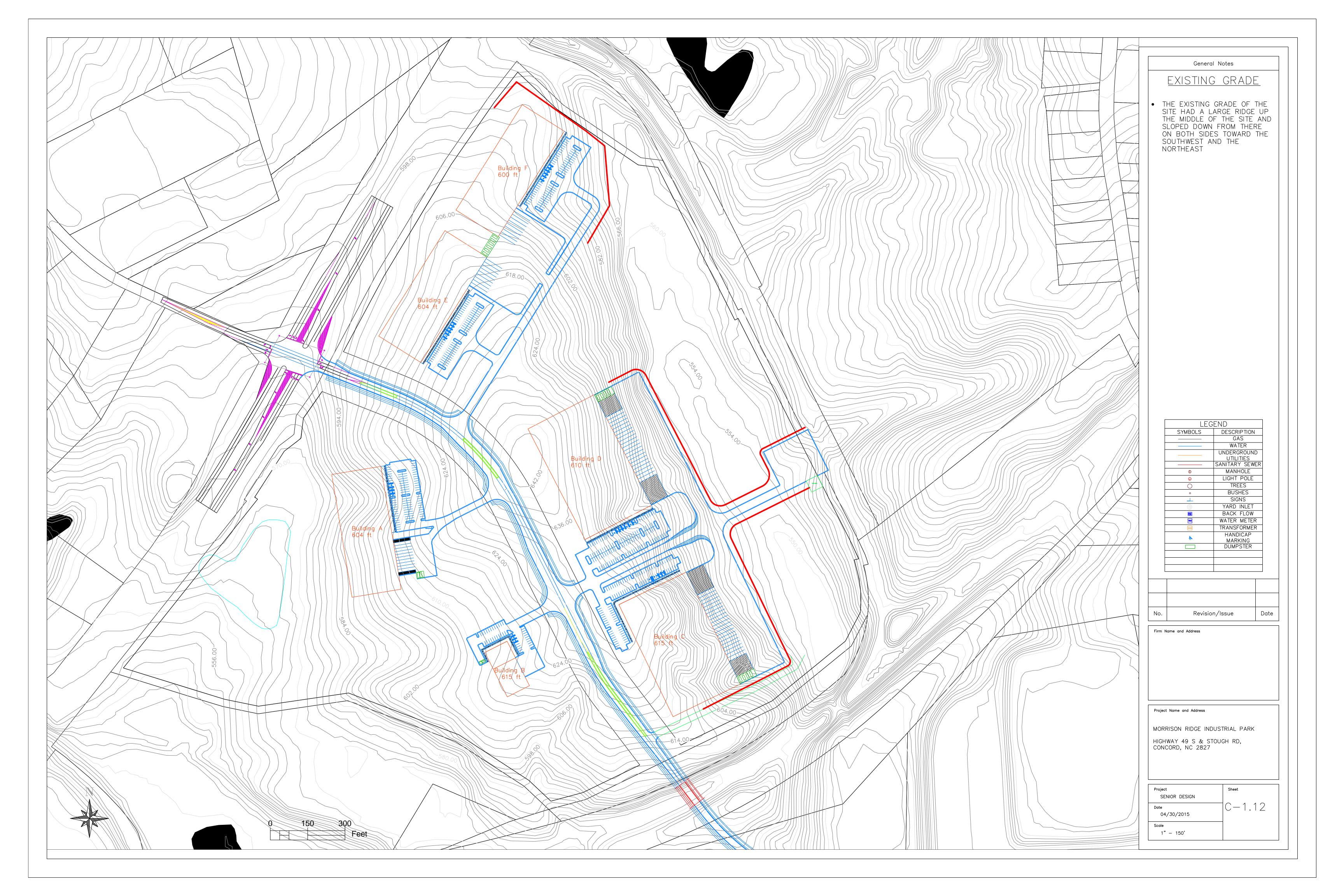
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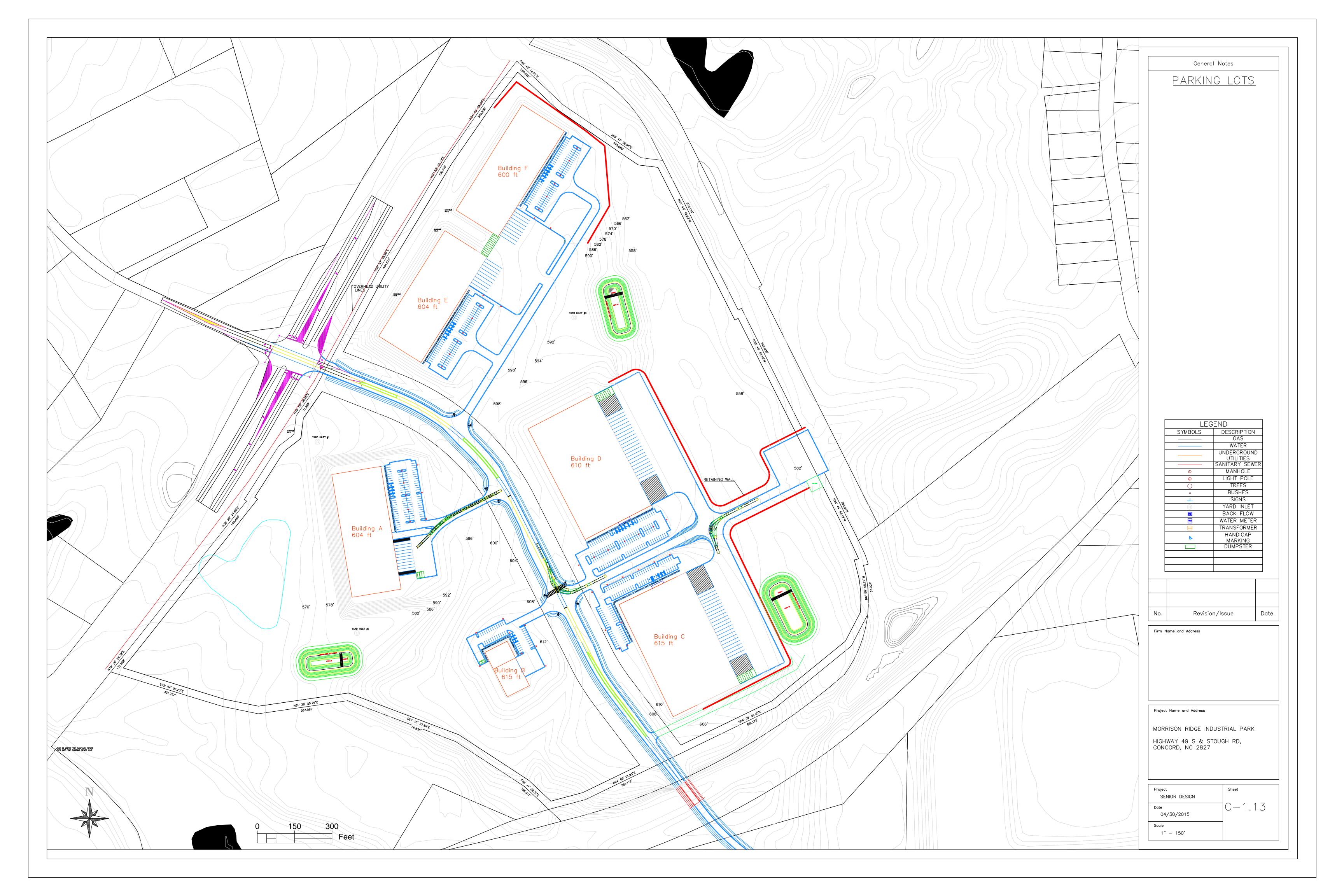
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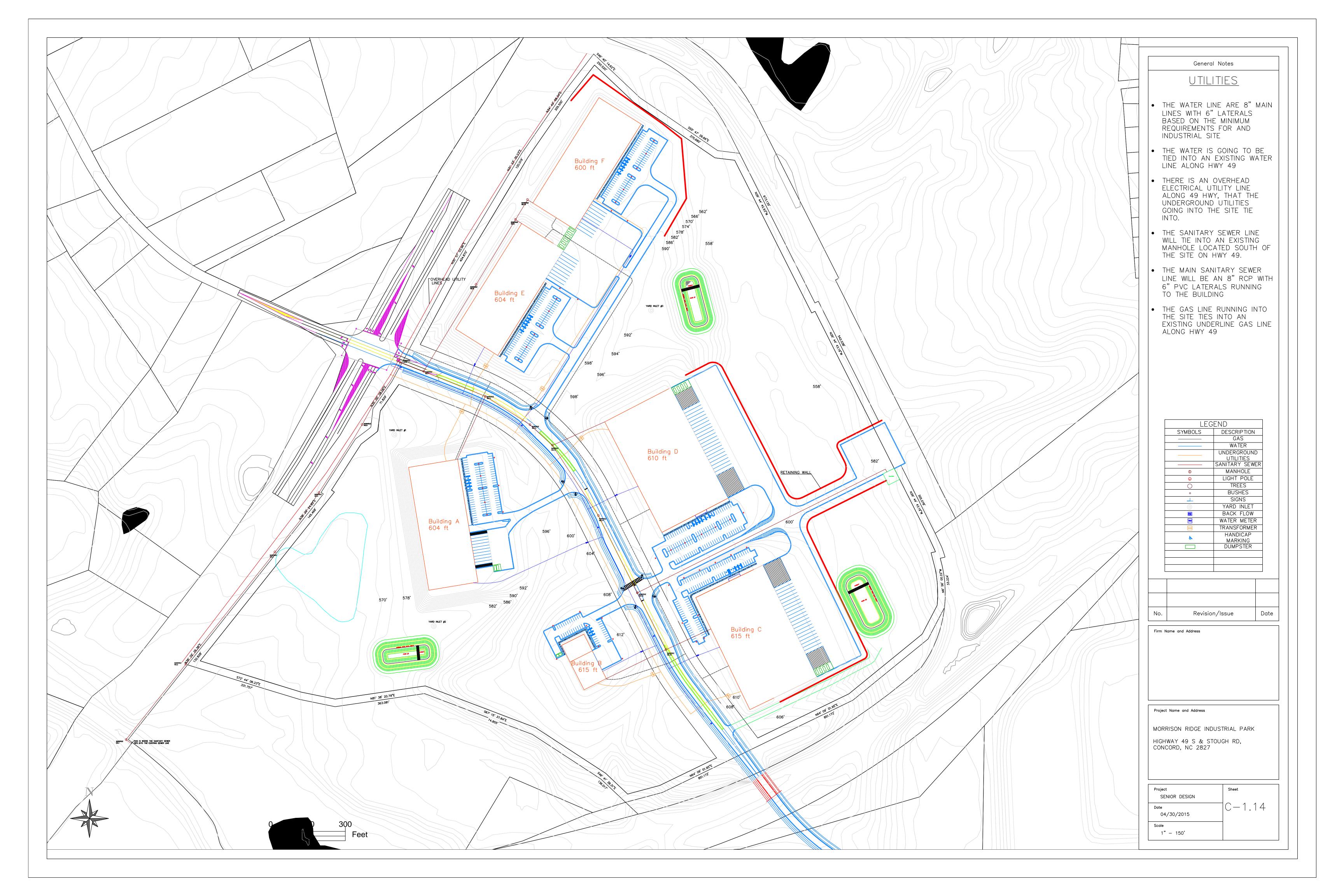
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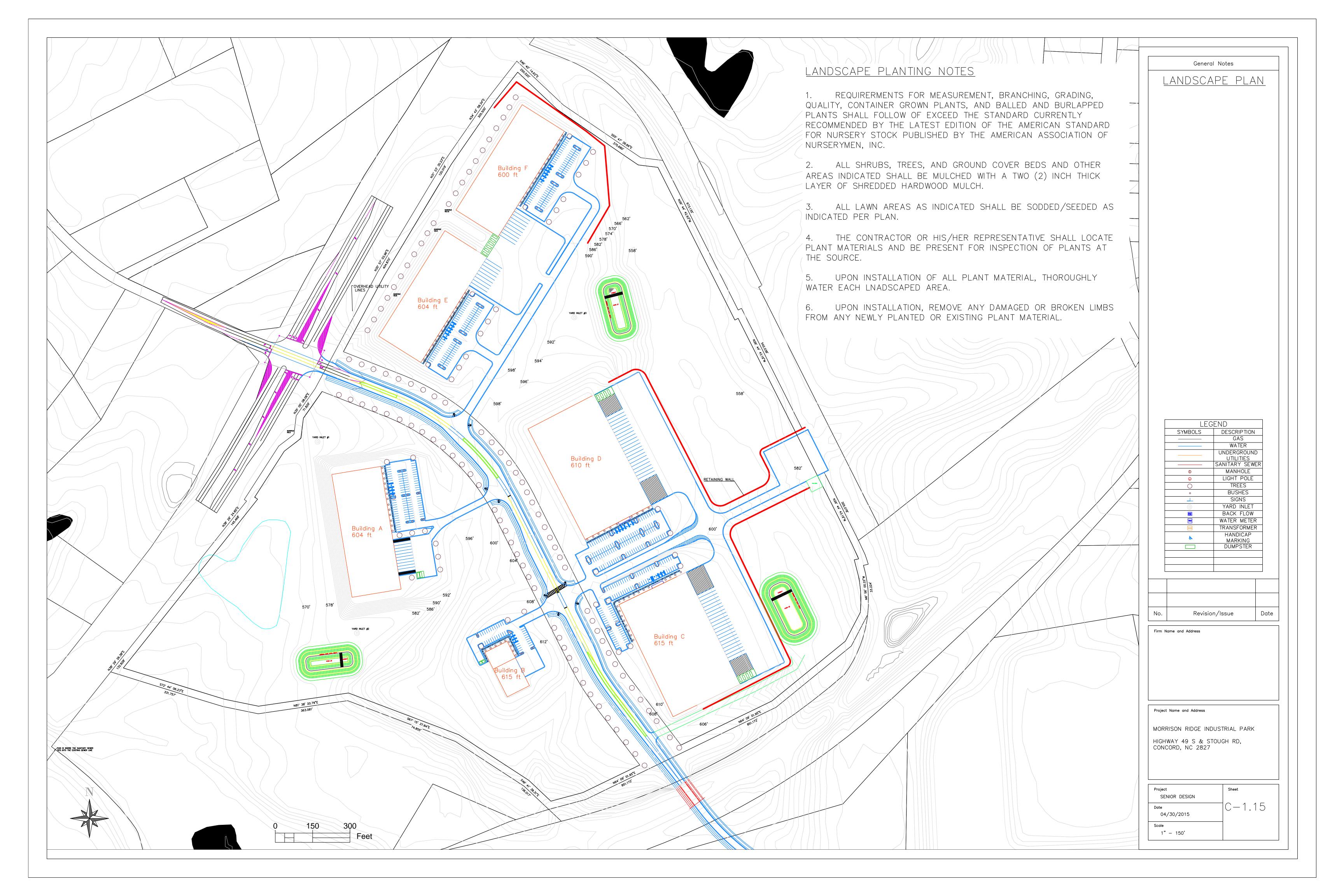


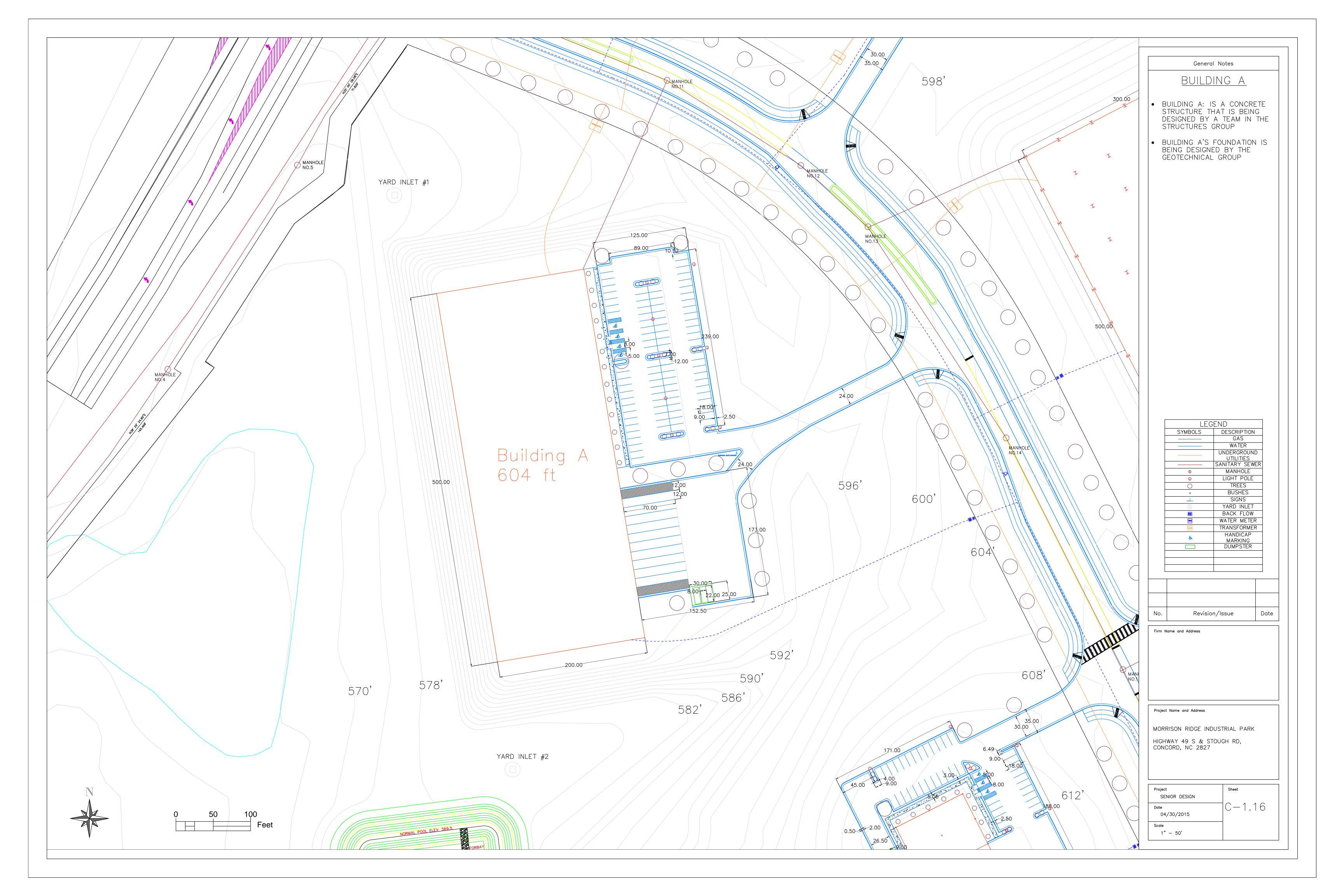


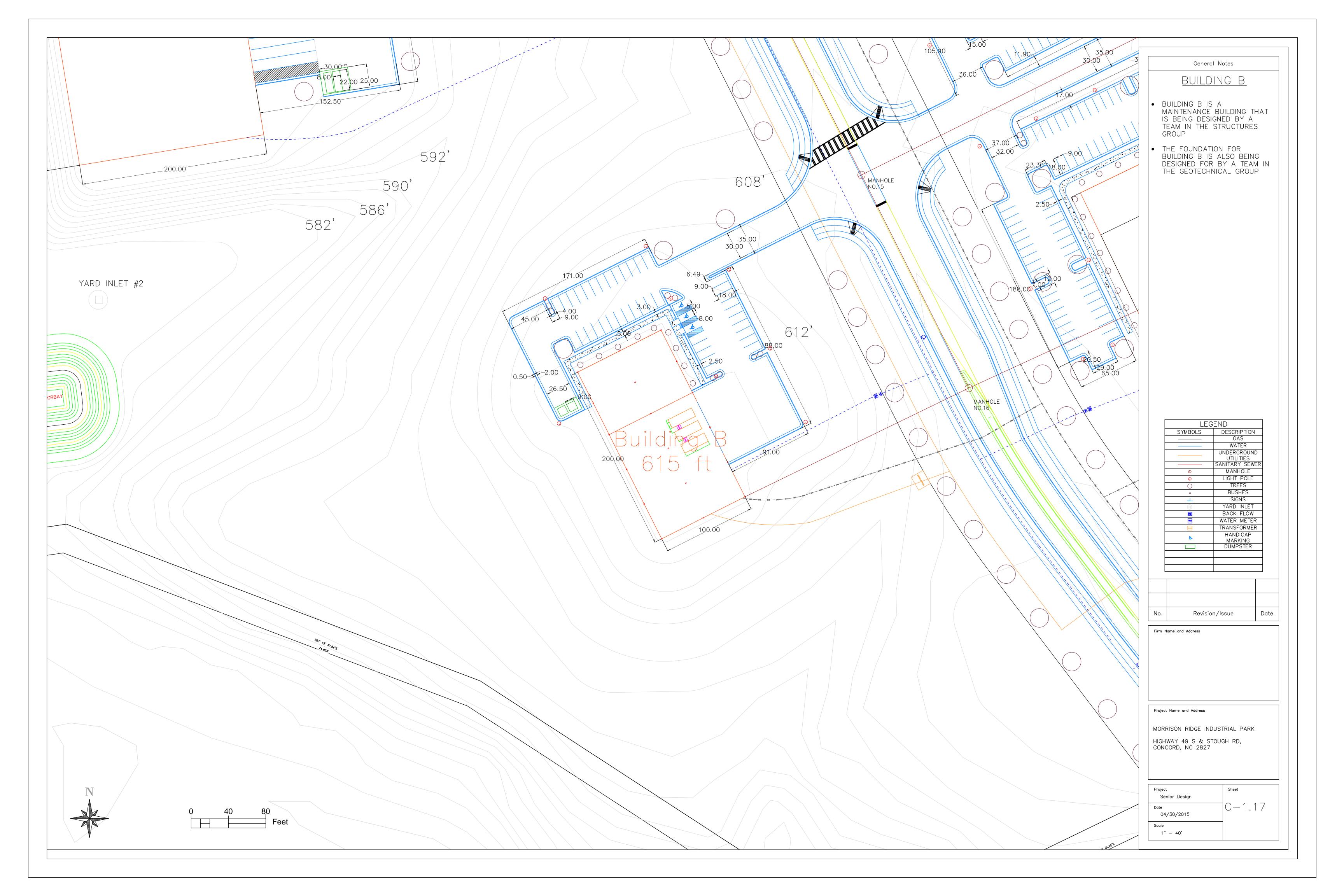


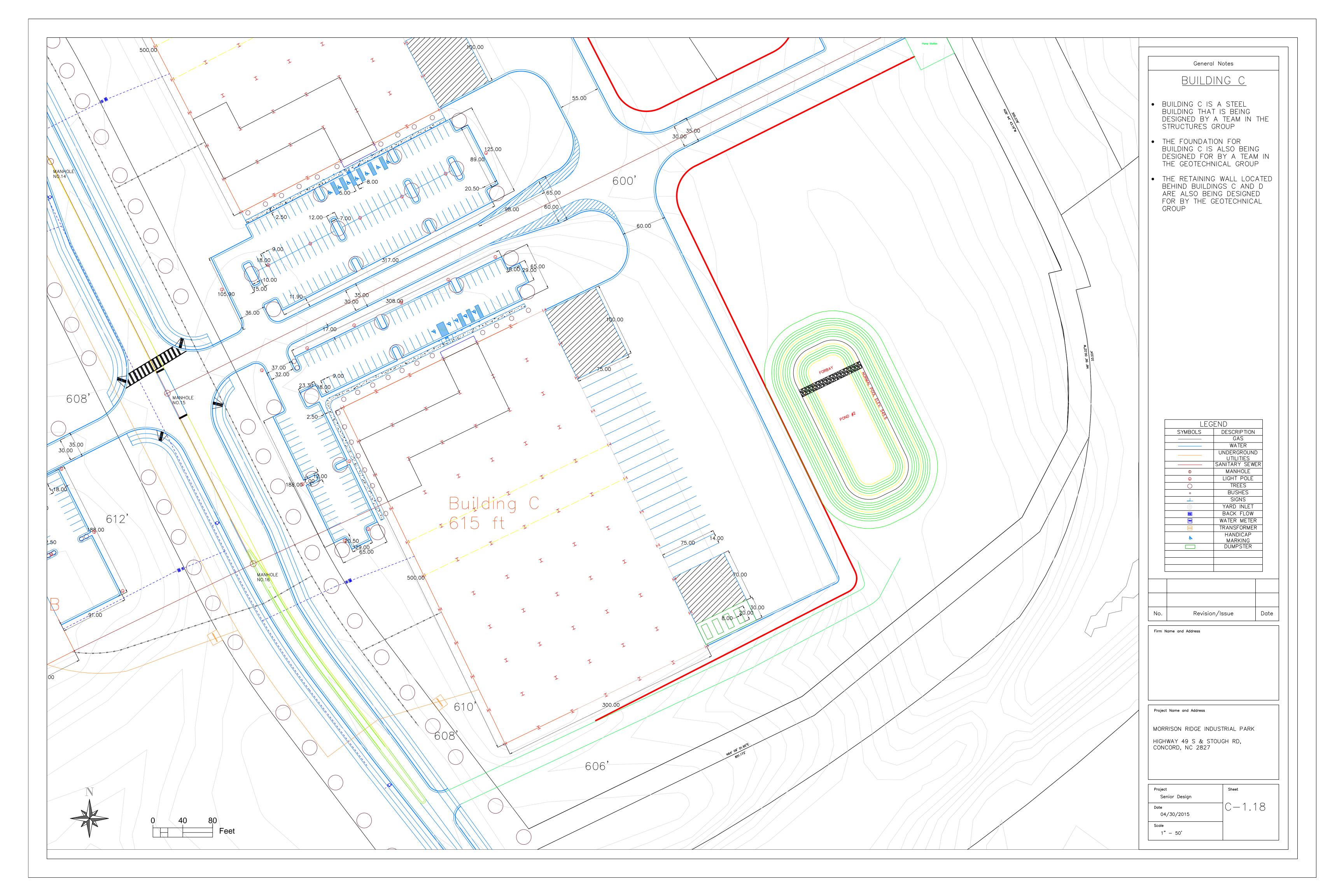




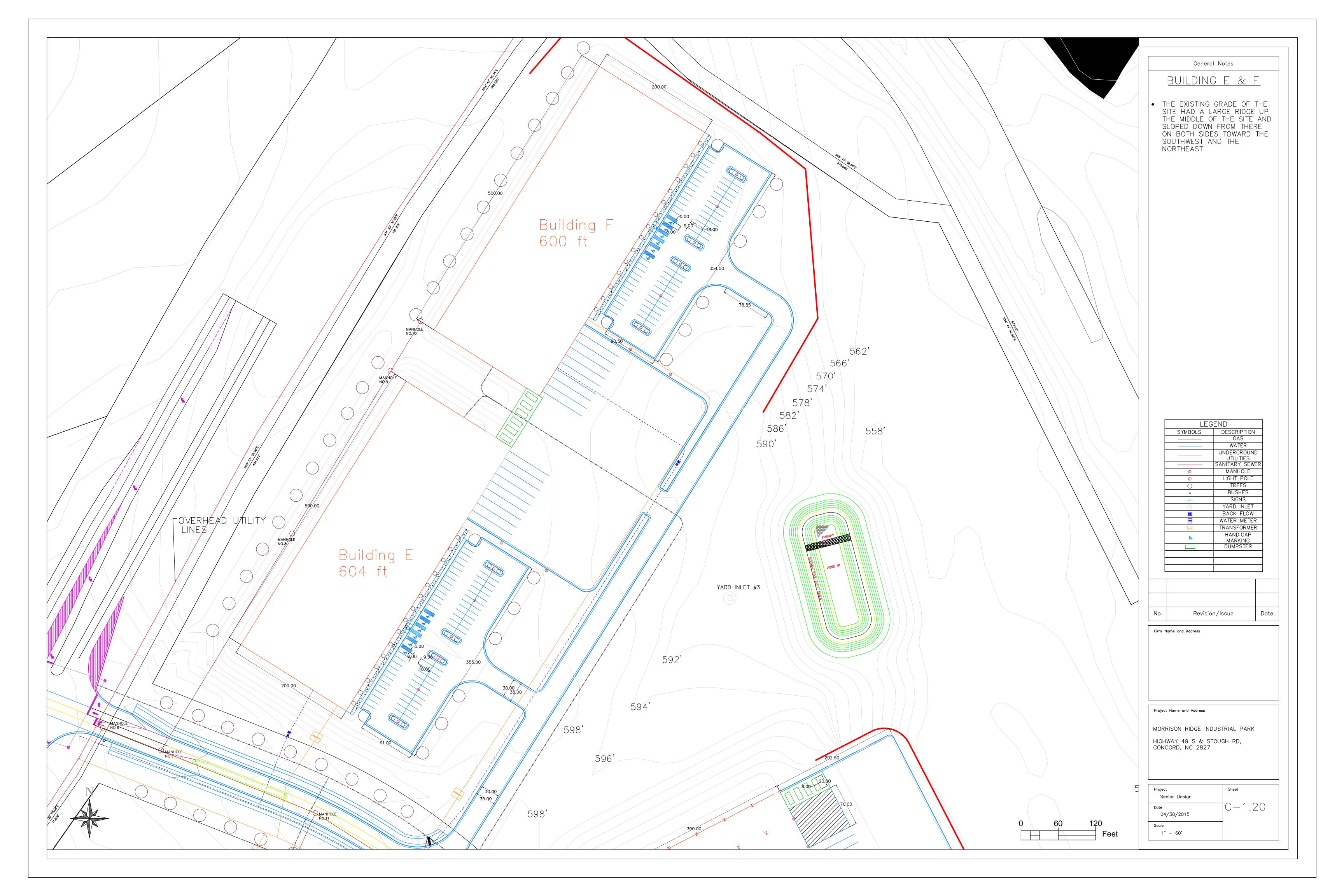


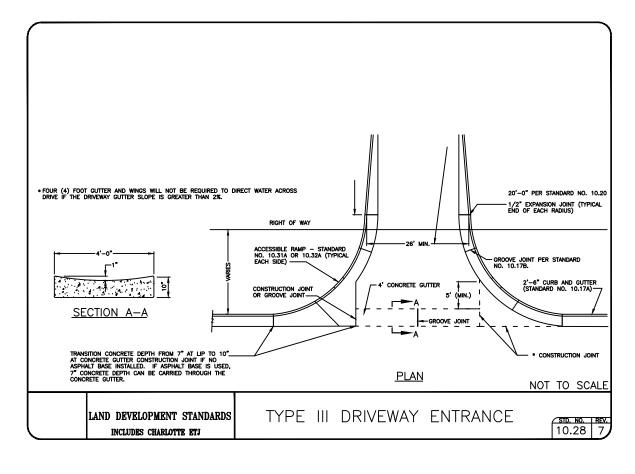


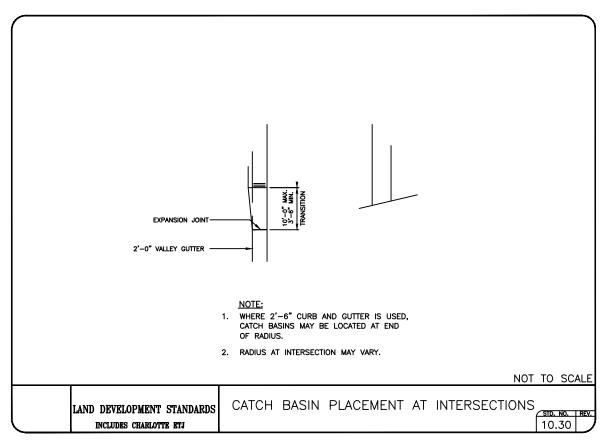


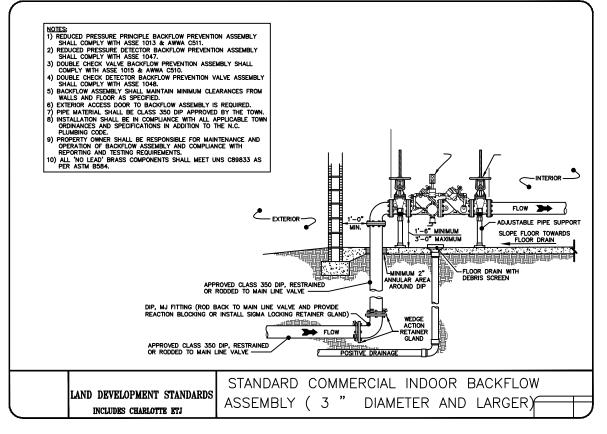


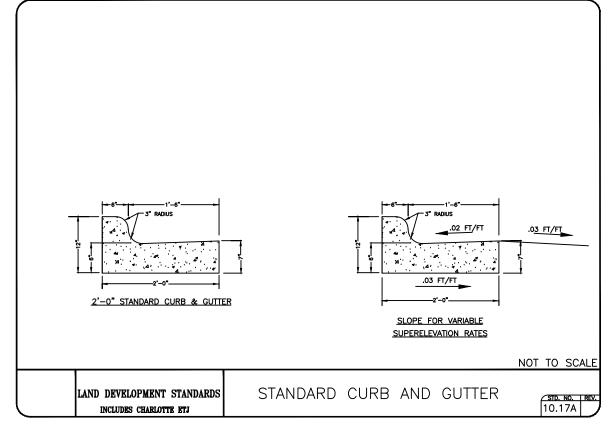


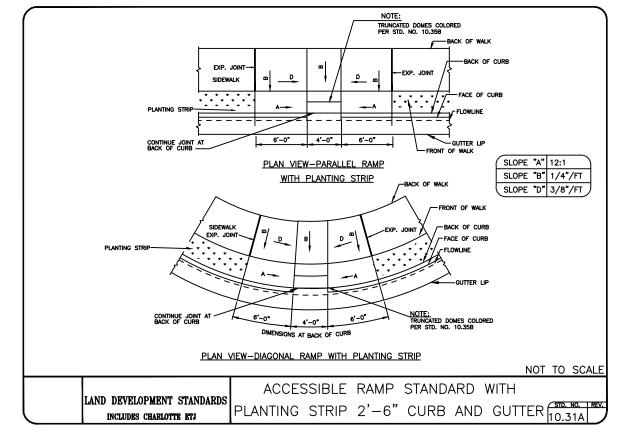


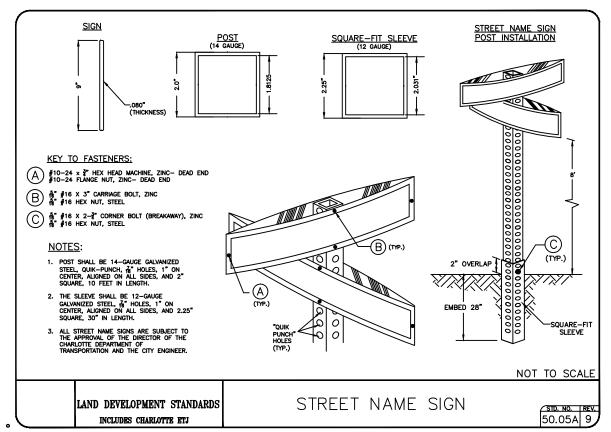


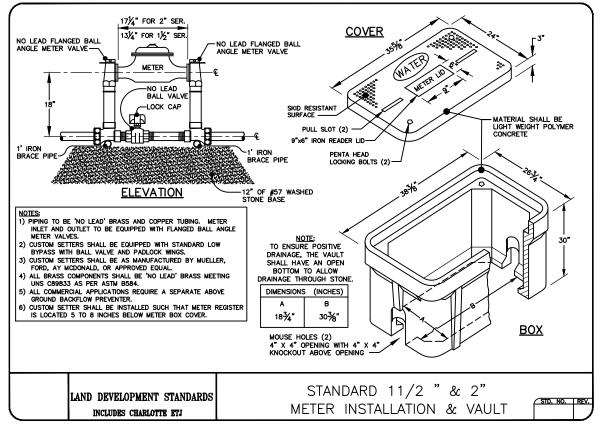


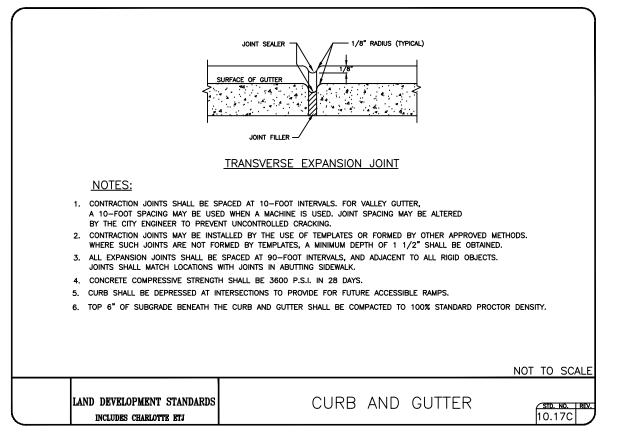


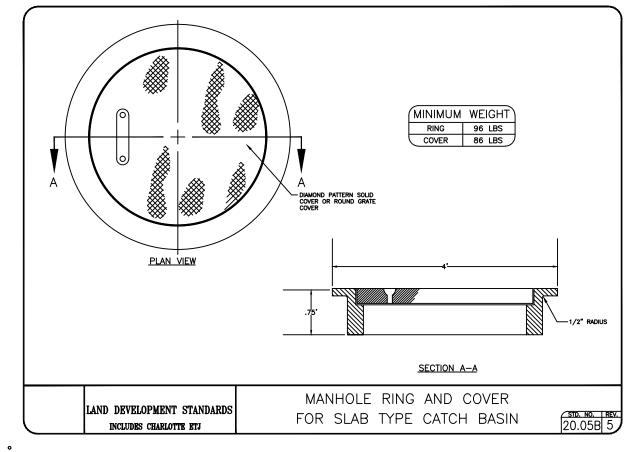


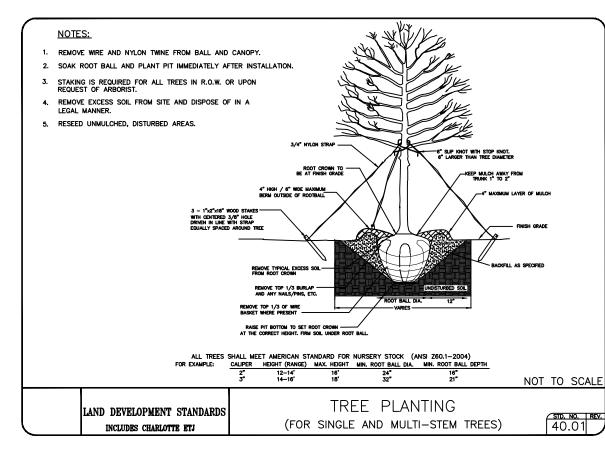


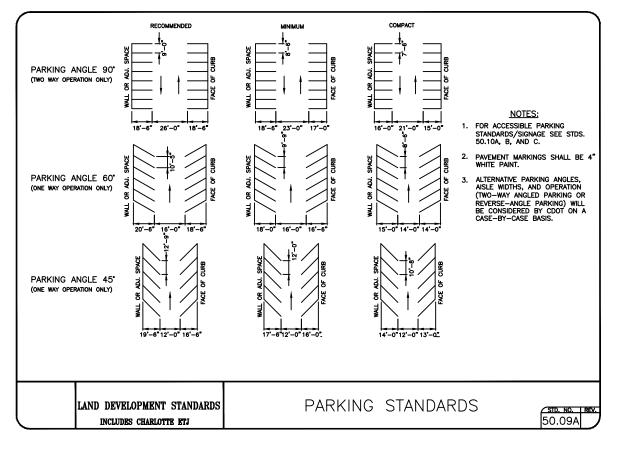


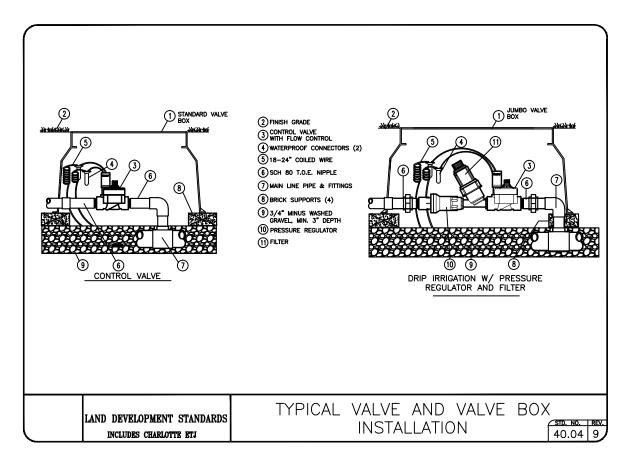


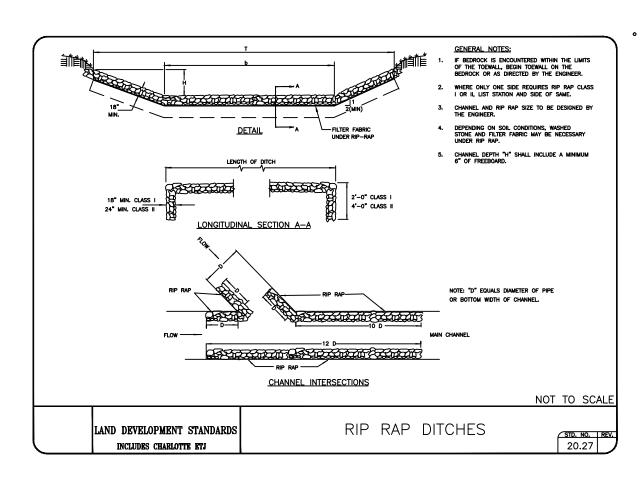


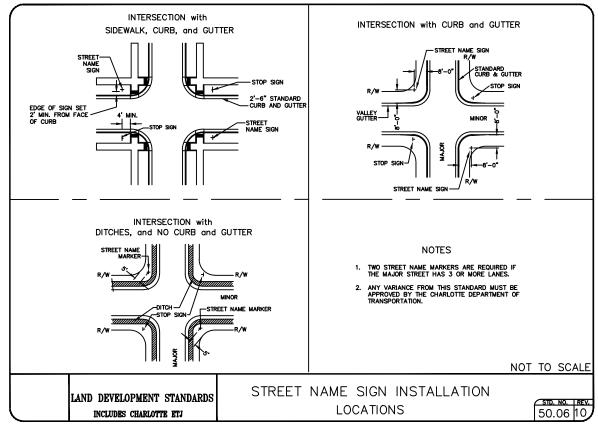


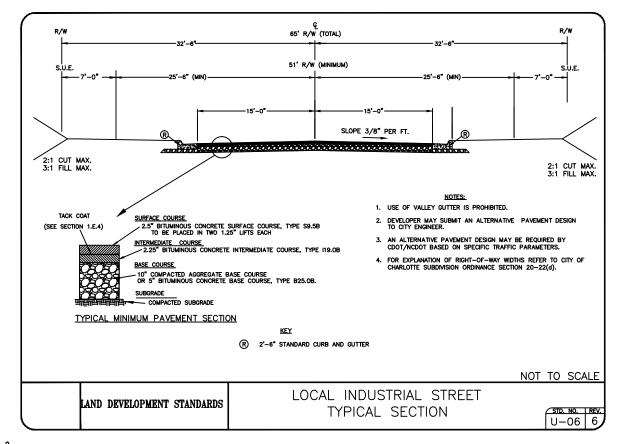


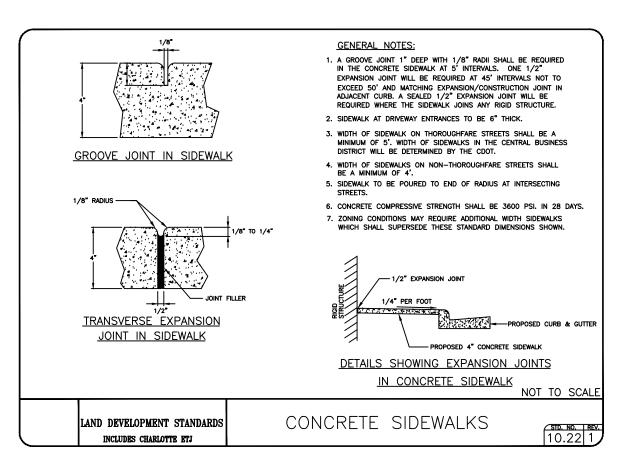








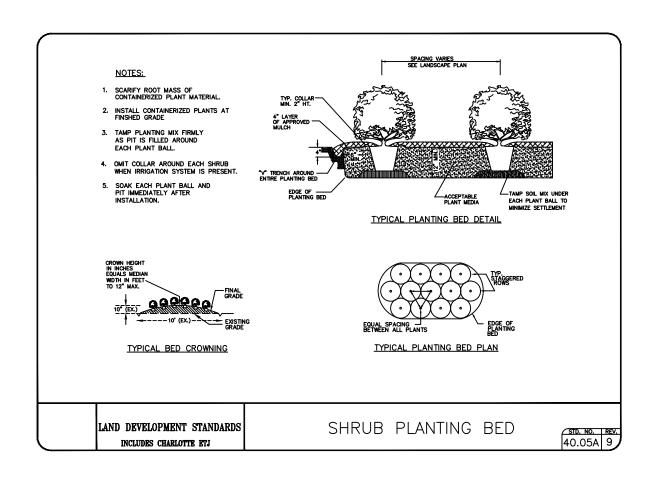


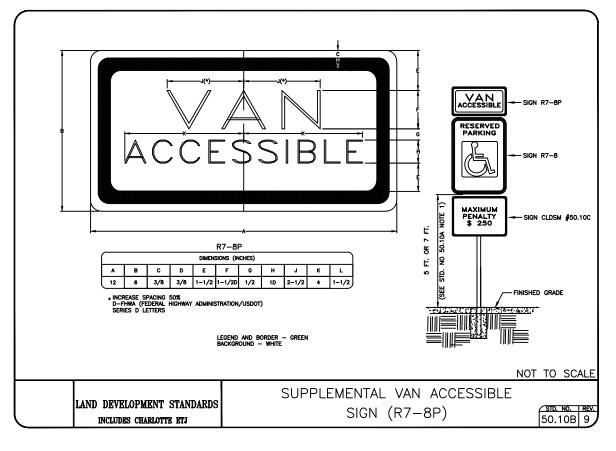


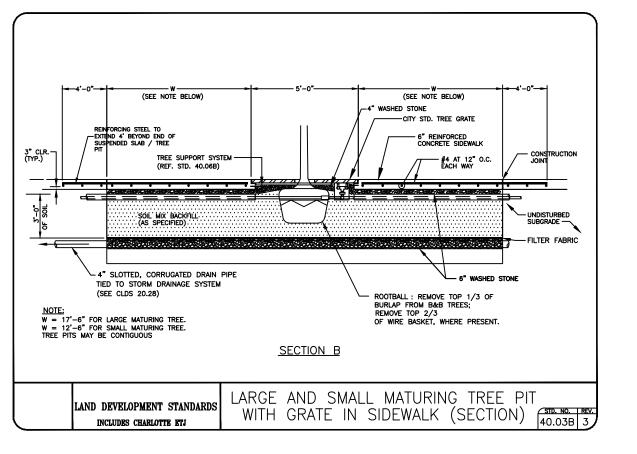
	DET	AILS	
	LEG SYMBOLS  O O O SHEET  MM H O O O O O O O O O O O O O O O O O	END DESCRIPTION GAS WATER UNDERGROUNI UTILITIES SANITARY SEW MANHOLE LIGHT POLE TREES BUSHES SIGNS YARD INLET BACK FLOW WATER METER TRANSFORMER HANDICAP MARKING DUMPSTER	D ER
No.	Revisio	n/Issue	Date
Project MORF	Name and Address  RISON RIDGE IND WAY 49 S & ST CORD, NC 2827		
Project Ser	nior Design	Sheet	

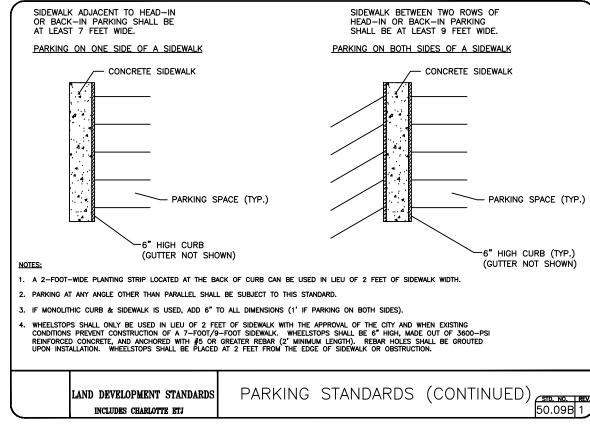
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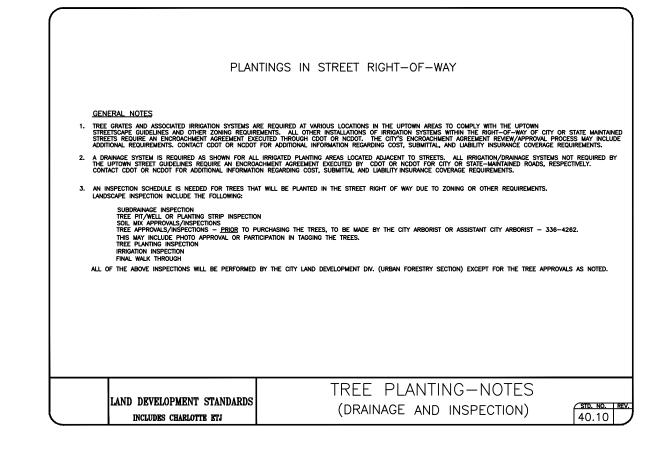
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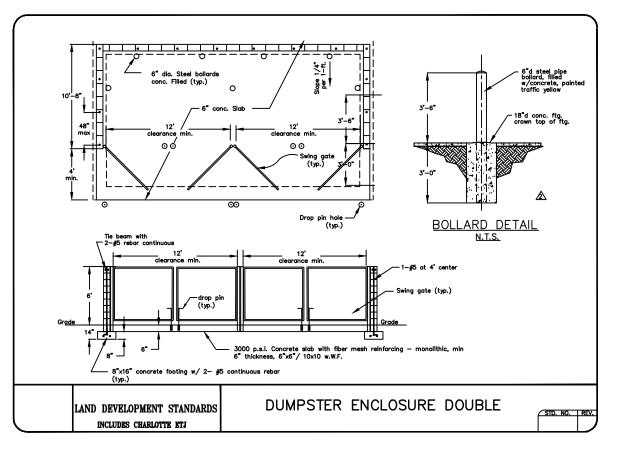


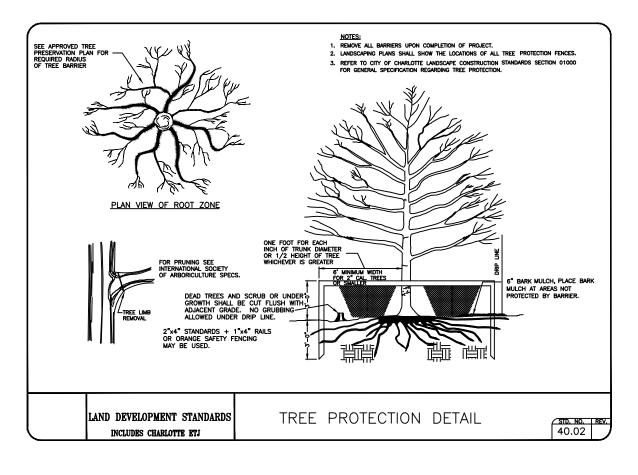


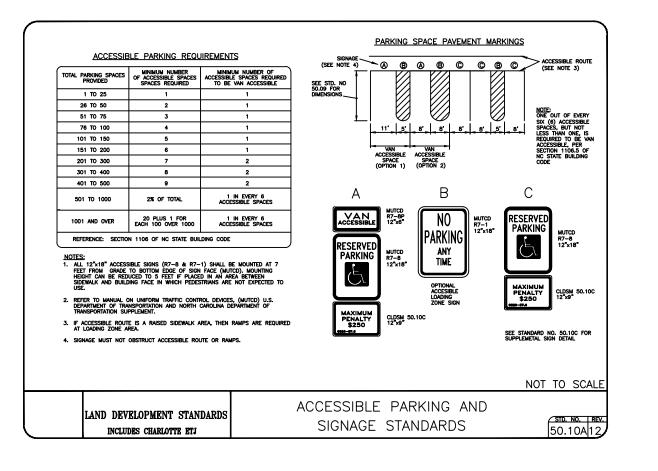


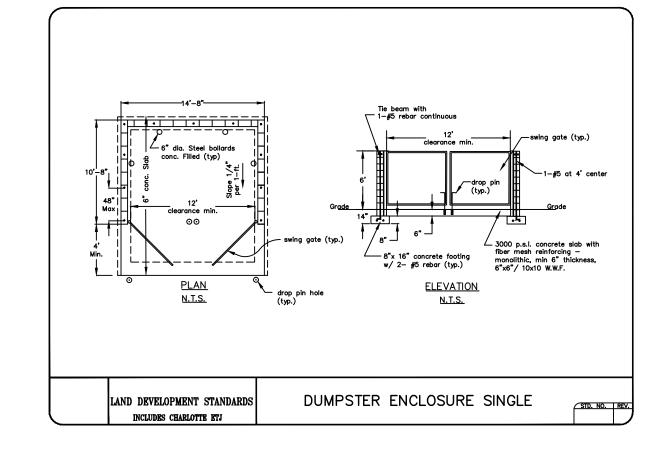


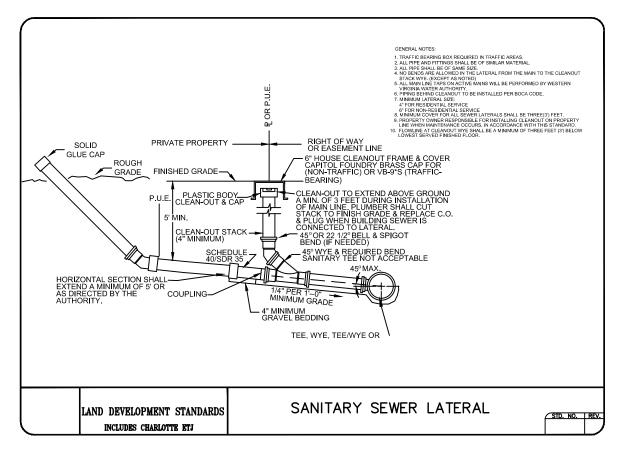


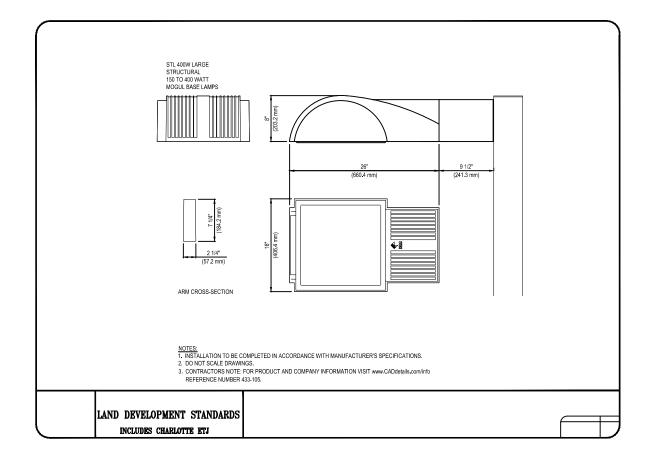


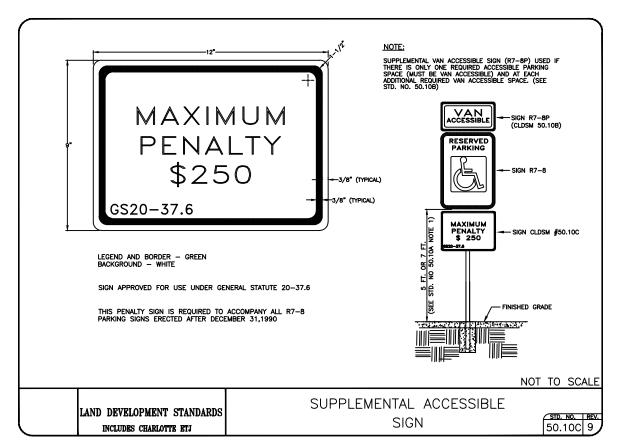


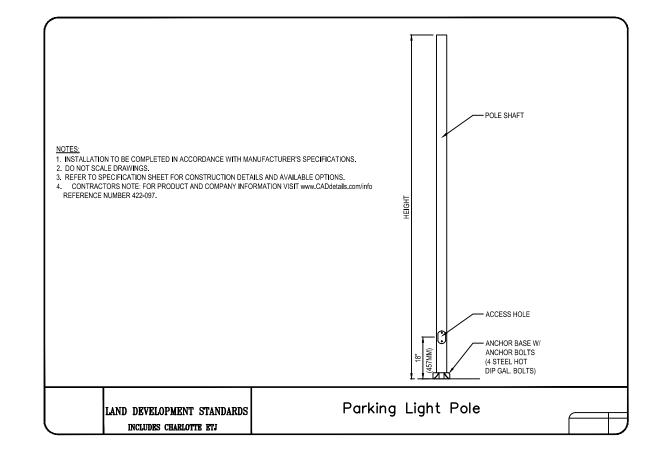


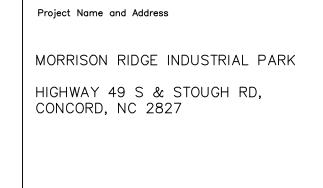












Revision/Issue

Firm Name and Address

General Notes

DETAILS

LEGEND

DESCRIPTION

WATER UNDERGROUND

MANHOLE LIGHT POLE

TREES

BUSHES

SIGNS YARD INLET

BACK FLOW

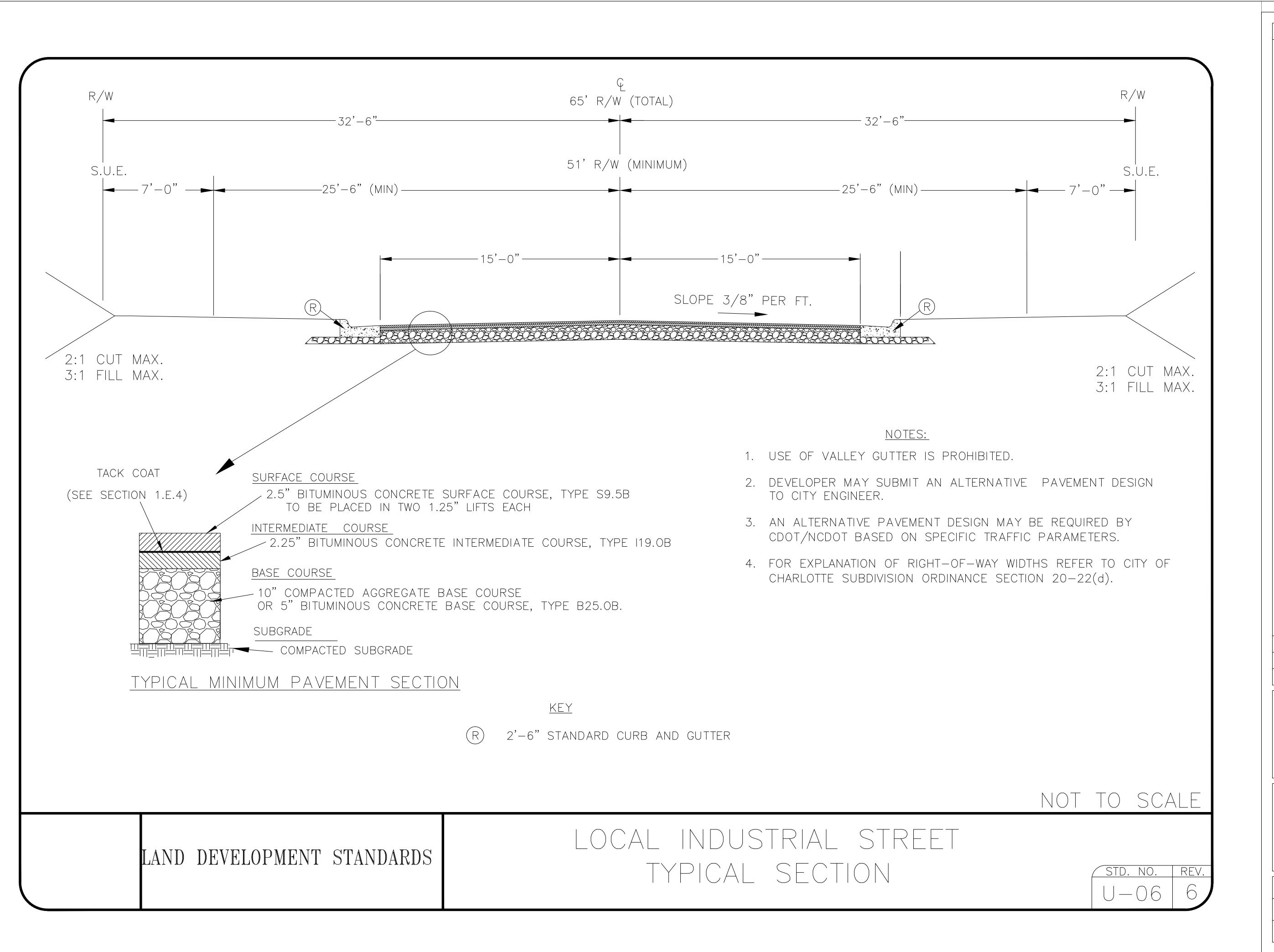
WATER METER

TRANSFORMER

HANDICAP MARKING DUMPSTER

Date

Project	Sheet	
Senior Design		
Date 04/30/2015	C-1.22	
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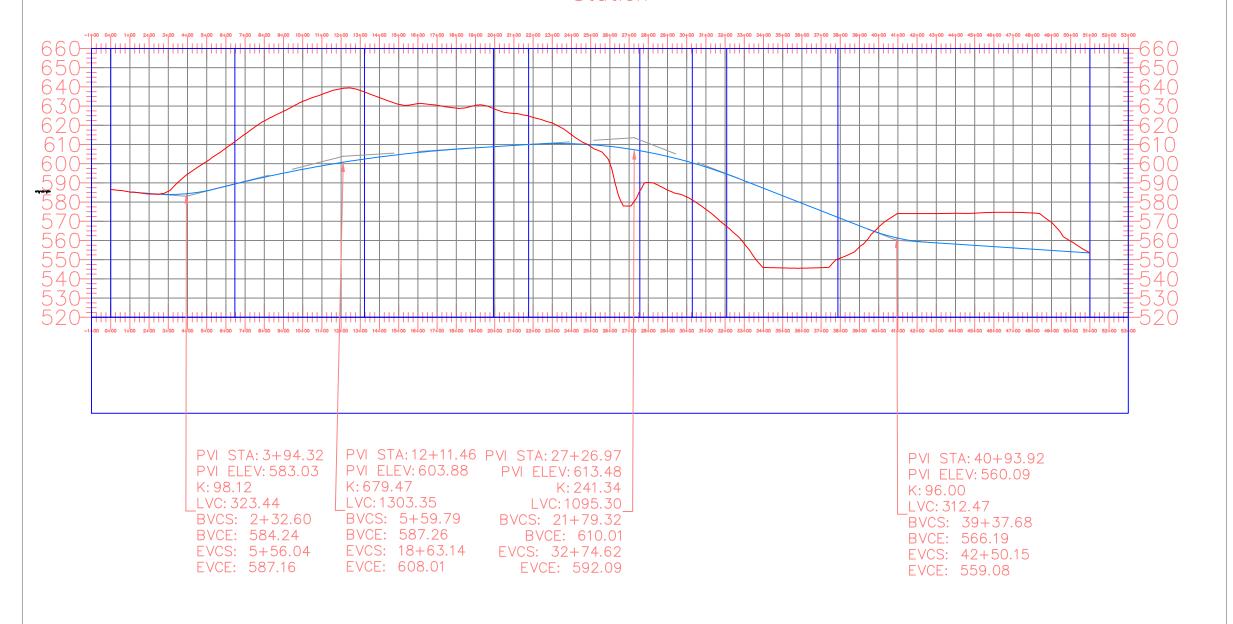


DETAILS LEGEND MANHOLE LIGHT POLE BUSHES YARD INLET BACK FLOW WATER METER TRANSFORMER Revision/Issue Date Firm Name and Address Project Name and Address MORRISON RIDGE INDUSTRIAL PARK HIGHWAY 49 S & STOUGH RD, CONCORD, NC 2827 C-1.2304/30/2015 NOT TO SCALE



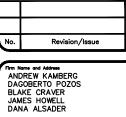
# The Alignment PROFILE

#### Station



#### General Note

- 1) ROADWAY
  RIGHT-OF-WAY
  FOR STOUGH
  ROAD EXTENSION
  IS 60FT
- 2) LENGTH OF HORIZONTAL ALIGNMENT IS 5100FT
- 3) ON THE
  MORRISON RIDGE
  PROPERTY THE
  STOUGH ROAD
  EXTENSION IS
  TWO LANES WITH
  A CENTER TURN
  LANE AND
  MEDIANS. OFF
  SITE THE ROAD
  IS TAPERED
  DOWN TO TWO
  LANES.



Project Name and Addre

4.29.20 RIDGE MORRISON

MORRISON RIDGE 4.29.2015.dwg

3/19/2007

MORRISON RIDGE 4.29.2015.dwg

3/19/2007

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