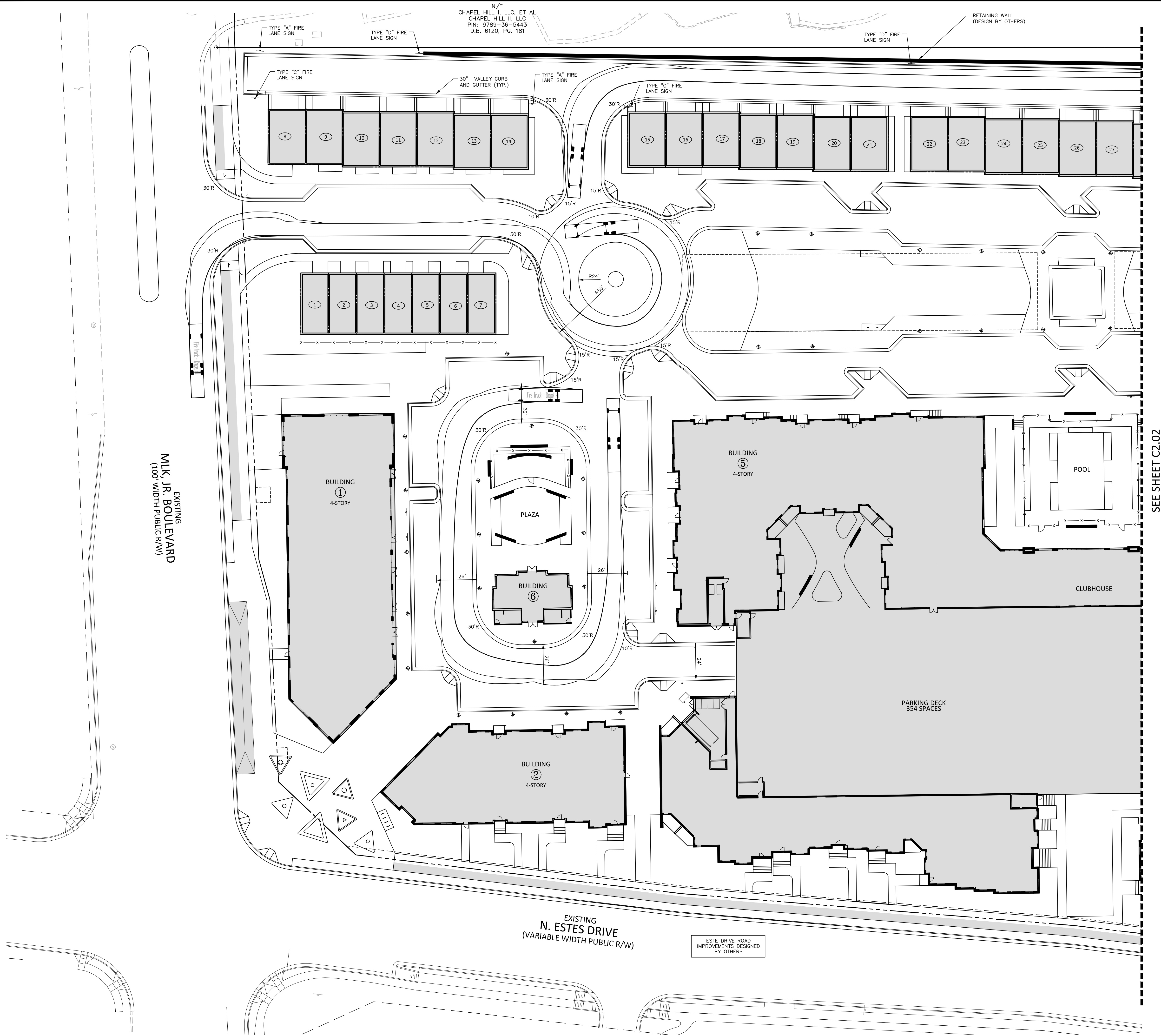


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SITE LEGEND	
	SIGNAGE
	YARD LIGHTS
	LIGHT POLE
	POWER POLE
	TRAFFIC DIRECTIONAL ARROW
	ACCESSIBLE PARKING STALL
	VAN ACCESSIBLE PARKING STALL
	PARKING SPACE COUNT
	ACCESSIBLE RAMPS
	TYPE A
	TYPE B
	TYPE C
	ACCESSIBLE ROUTE
	PHASE LINE
	PROPERTY LINE
	RIGHT-OF-WAY LINE
	LOT LINE
	EASEMENT LINE
	CENTERLINE

GENERAL NOTES:

- OUTER PATH IS TRUCK OVERHANG, INNER PATH IS TIRE TRACKING

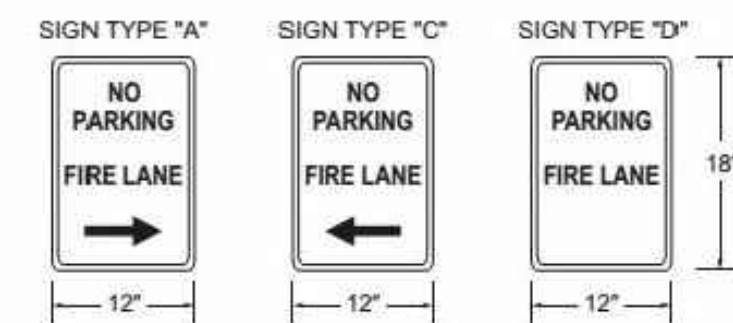
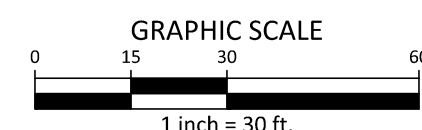
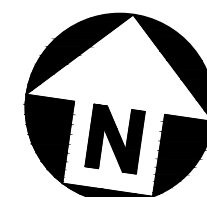


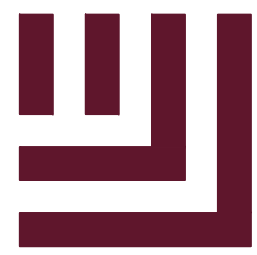
FIGURE D103.6
FIRE LANE SIGNS

SEE SHEET C0.01 FOR ALL PROJECT, SITE,
GRADING, STORM DRAINAGE AND UTILITY
NOTES

ALL CONSTRUCTION SHALL BE IN
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PHONE: 919. 884. 7395

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NORTH ESTES DRIVE
CHAPEL HILL, NORTH CAROLINA, 27516



REVISIONS

NO.	DATE	REVISION DESCRIPTION
1	11. 13. 2020	REVISED PER 1ST CZP COMMENTS
2	12. 18. 2020	REVISED PER 2ND CZP COMMENTS

PLAN INFORMATION

PROJECT NO.	TRG-20000
FILENAME	TRG20000-AT1
CHECKED BY	ZNB
DRAWN BY	CJJ
SCALE	1"=30'
DATE	09. 24. 2020

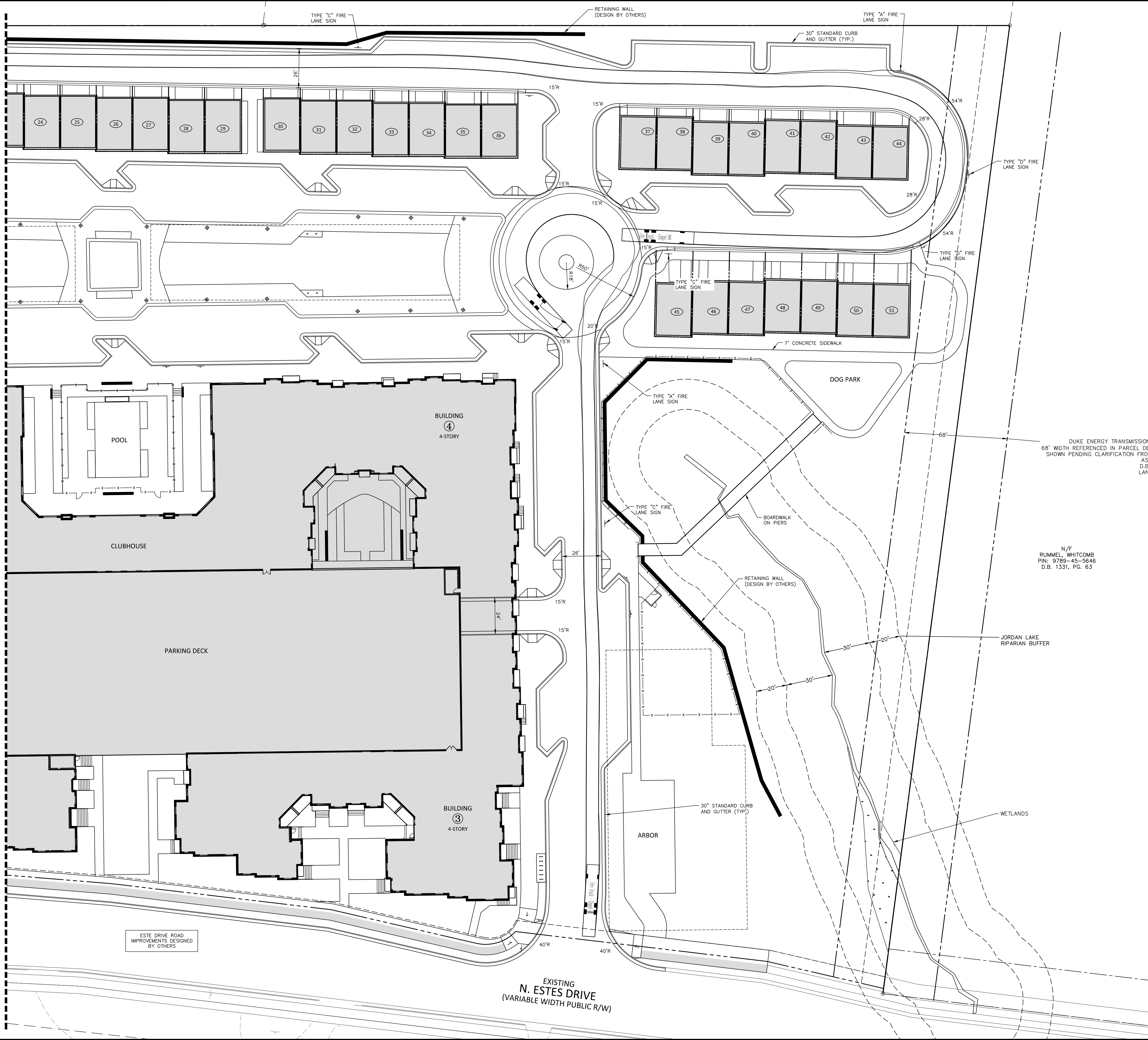
SHEET

FIRE/WASTE VEHICLE
TRACKING - AREA A

C2.11

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SEE SHEET C2.01



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

GENERAL NOTES:

- OUTER PATH IS TRUCK OVERHANG, INNER PATH IS TIRE TRACKING

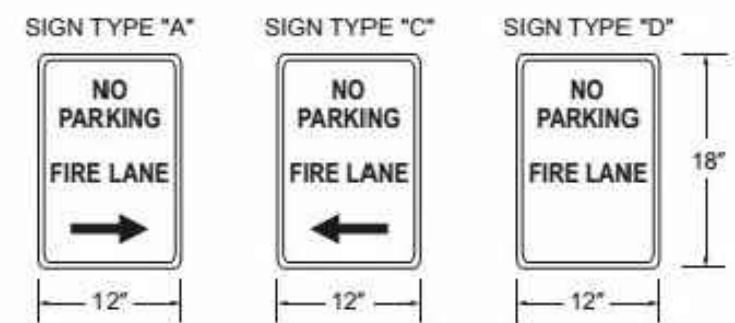


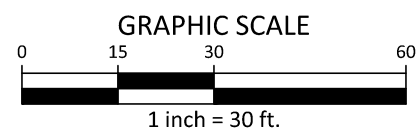
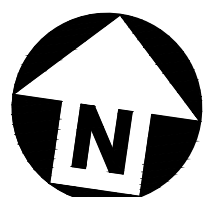
FIGURE D103.6
FIRE LANE SIGNS

DUKE ENERGY TRANSMISSION RIGHT OF WAY
68' WIDTH REFERENCED IN PARCEL DEED DESCRIPTION
SHOWN PENDING CLARIFICATION FROM DUKE ENERGY
ASSET PROTECTION
D.B. 524, PG. 1129
LAND UNIT 0011789

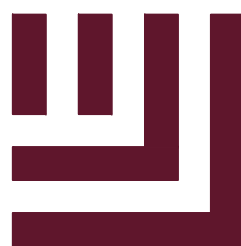
N/F
RUMMEL, WHITCOMB
PIN: 9789-45-5646
D.B. 1331, PG. 63

SEE SHEET C0.01 FOR ALL PROJECT, SITE,
GRADING, STORM DRAINAGE AND UTILITY
NOTES

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PLAN INFORMATION

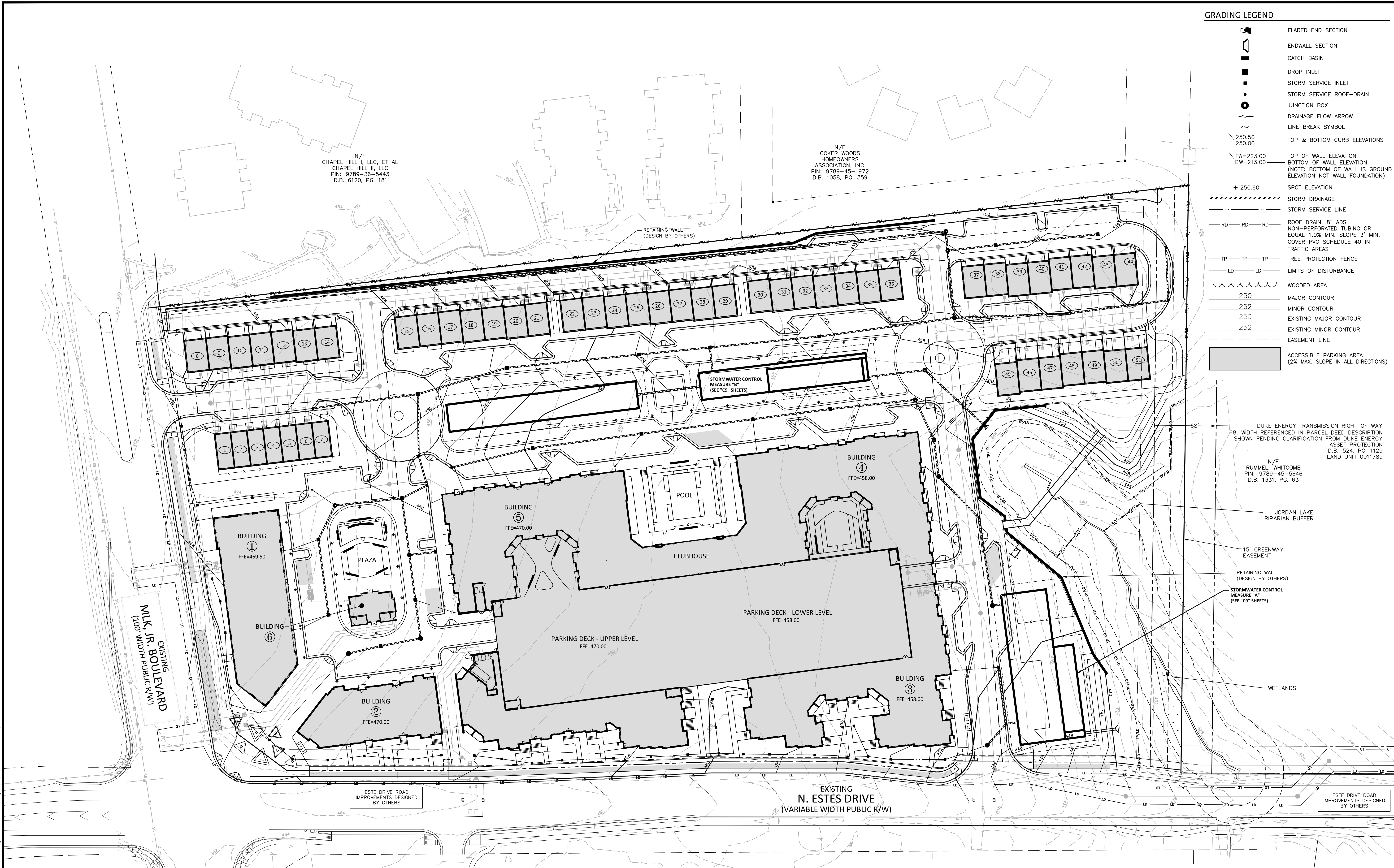
PROJECT NO.	TRG-20000
FILENAME	TRG20000-AT1
CHECKED BY	ZNB
DRAWN BY	CJJ
SCALE	1"=30'
DATE	09. 24. 2020

SHEET

FIRE/WASTE VEHICLE
TRACKING - AREA B

C2.12

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GRADING LEGEND	
	FLARED END SECTION
	ENDWALL SECTION
	CATCH BASIN
	DROP INLET
	STORM SERVICE INLET
	STORM SERVICE ROOF-RAIN
	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)

DUKE ENERGY TRANSMISSION RIGHT OF WAY
68' WIDTH REFERENCED IN PARCEL DEED DESCRIPTION
SHOWN PENDING CLARIFICATION FROM DUKE ENERGY
ASSET PROTECTION
D.B. 524, PG. 1129
LAND UNIT 001789

N/F
RUMMEL, WHITCOMB
PIN: 9789-45-5646
D.B. 1331, PG. 63

JORDAN LAKE
RIPARIAN BUFFER

15' GREENWAY
EASEMENT

RETAINING WALL
(DESIGN BY OTHERS)

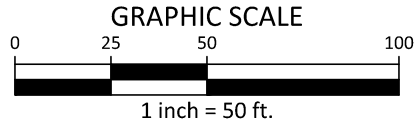
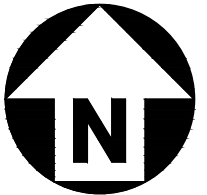
STORMWATER CONTROL
MEASURE "A"
(SEE "C3" SHEETS)

WETLANDS

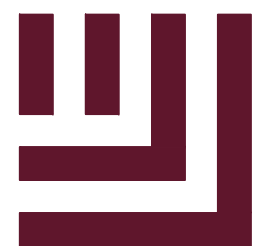
ESTE DRIVE ROAD
IMPROVEMENTS DESIGNED
BY OTHERS

SEE SHEET C0.01 FOR ALL PROJECT, SITE,
GRADING, STORM DRAINAGE AND UTILITY
NOTES

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REVISIONS		
NO.	DATE	REVISION DESCRIPTION
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2	12.18.2020	REVISED PER 2ND C2P COMMENTS

PLAN INFORMATION

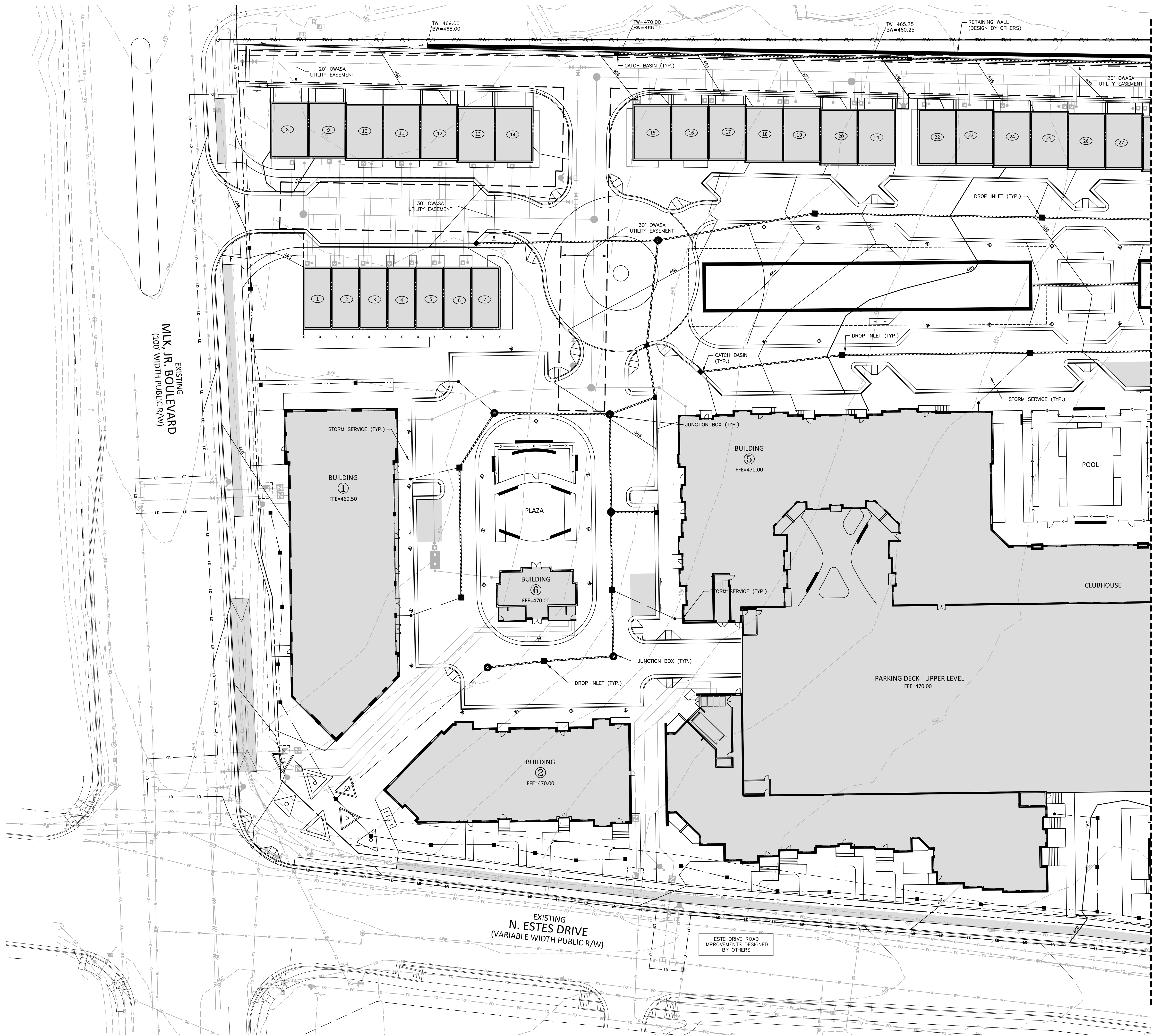
PROJECT NO.	TRG-20000
FILENAME	TRG20000-OAG1
CHECKED BY	ZNB
DRAWN BY	CJJ
SCALE	1"=50'
DATE	09.24.2020

SHEET

OVERALL GRADING PLAN

C3.00

M:\Projects\T\Trunk\TRG-20000\04-Production\Engineering\Construction Drawings\TRG20000-G1.dwg, 12/21/2020 6:51:39 PM, Jones, Connor



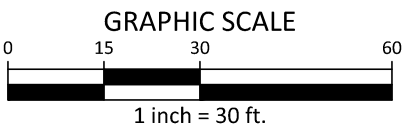
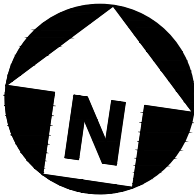
GRADING LEGEND

- 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)

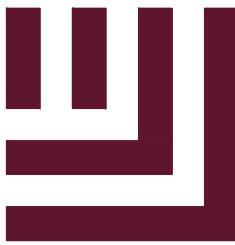
SEE SHEET C3.02

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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REVISIONS

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PLAN INFORMATION

PROJECT NO. TRG-20000
FILENAME TRG20000-G1
CHECKED BY ZNB
DRAWN BY CJJ
SCALE 1"=30'
DATE 09. 24. 2020

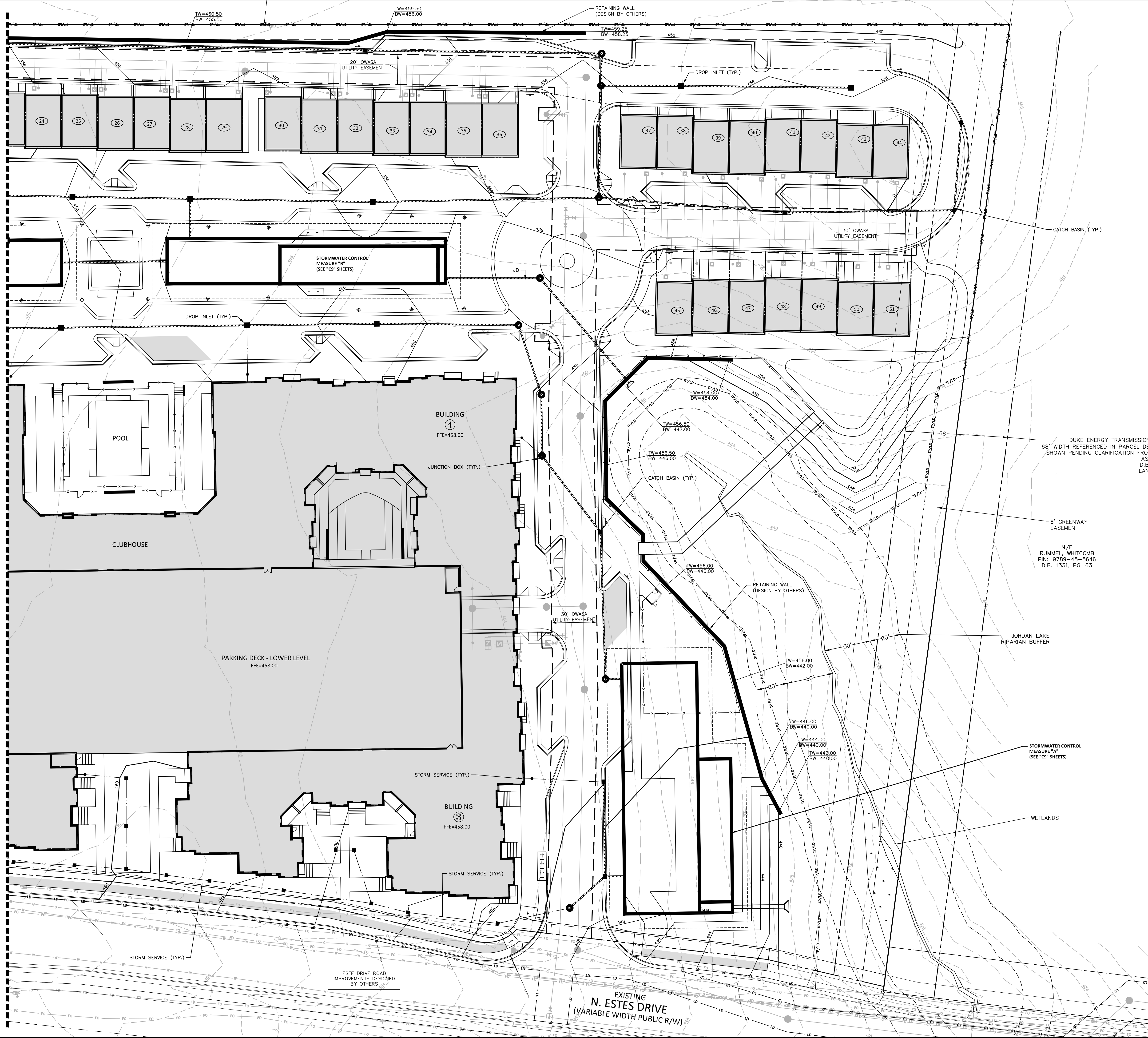
SHEET

GRADING PLAN - AREA A

C3.01

M:\Projects\T\Task\TRG-20000\04-Production\Engineering\Construction Drawings\TRG20000-G1.dwg, 12/21/2020 6:53:44 PM, Jones, Connor

SEE SHEET C3.01



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)

DUKE ENERGY TRANSMISSION RIGHT OF WAY
68' WIDTH REFERENCED IN PARCEL DEED DESCRIPTION
SHOWN PENDING CLARIFICATION FROM DUKE ENERGY
ASSET PROTECTION
D.B. 524, PG. 1129
LAND UNIT 0011789

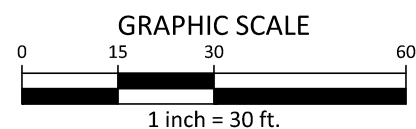
6' GREENWAY EASEMENT
N/E
RUMMEL, WHITCOMB
PIN: 9789-45-5646
D.B. 1331, PG. 63

JORDAN LAKE
RIPARIAN BUFFER

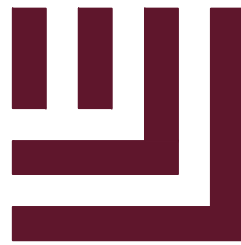
STORMWATER CONTROL
MEASURE "A"
(SEE "C9" SHEETS)

SEE SHEET C0.01 FOR ALL PROJECT, SITE,
GRADING, STORM DRAINAGE AND UTILITY
NOTES

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PLAN INFORMATION

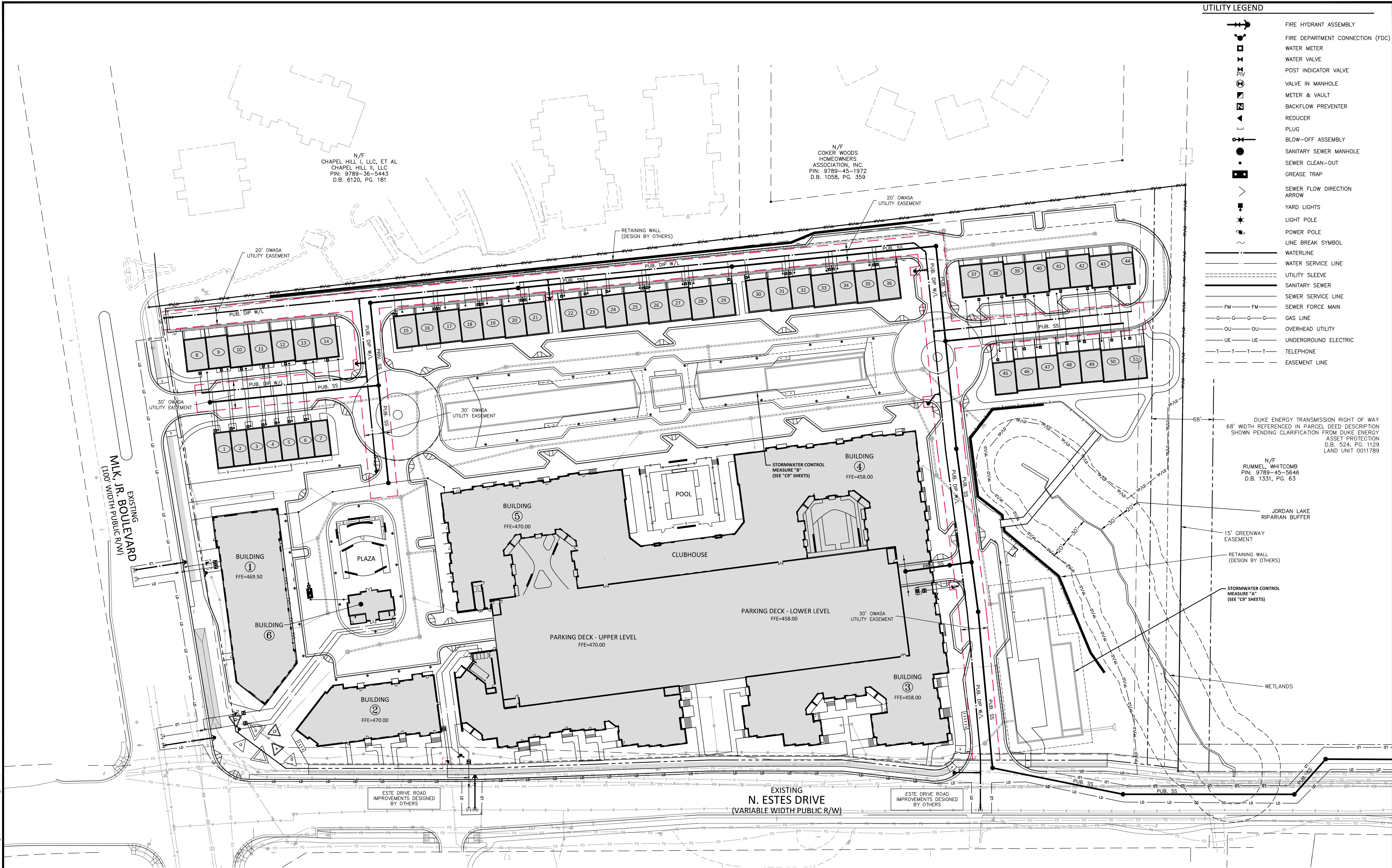
PROJECT NO. TRG-20000
FILENAME TRG20000-G1
CHECKED BY ZNB
DRAWN BY CJJ
SCALE 1"=30'
DATE 09. 24. 2020

SHEET

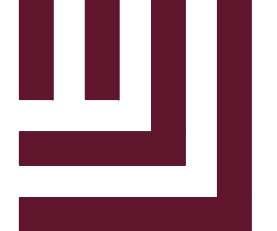
GRADING PLAN - AREA B

C3.02

M:\Projects\Trinisk\TRG-20000\04-Production\Engineering\Construction Drawings\TRG20000-04U1.dwg, 12/21/2020 6:51:12 PM, bones, Connor



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



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PLAN INFORMATION

PROJECT NO. TRG-20000
FILENAME TRG20000-04U1
CHECKED BY ZNB
DRAWN BY CJJ
SCALE 1"=50'
DATE 09.24.2020

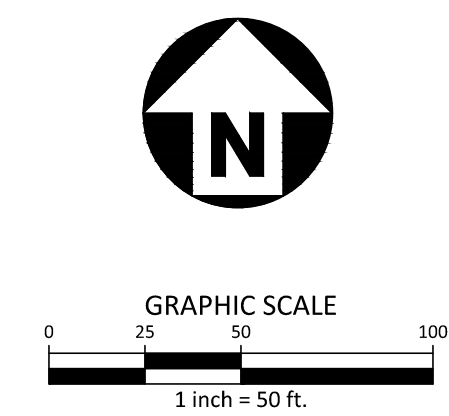
SHEET

OVERALL UTILITY PLAN

C4.00

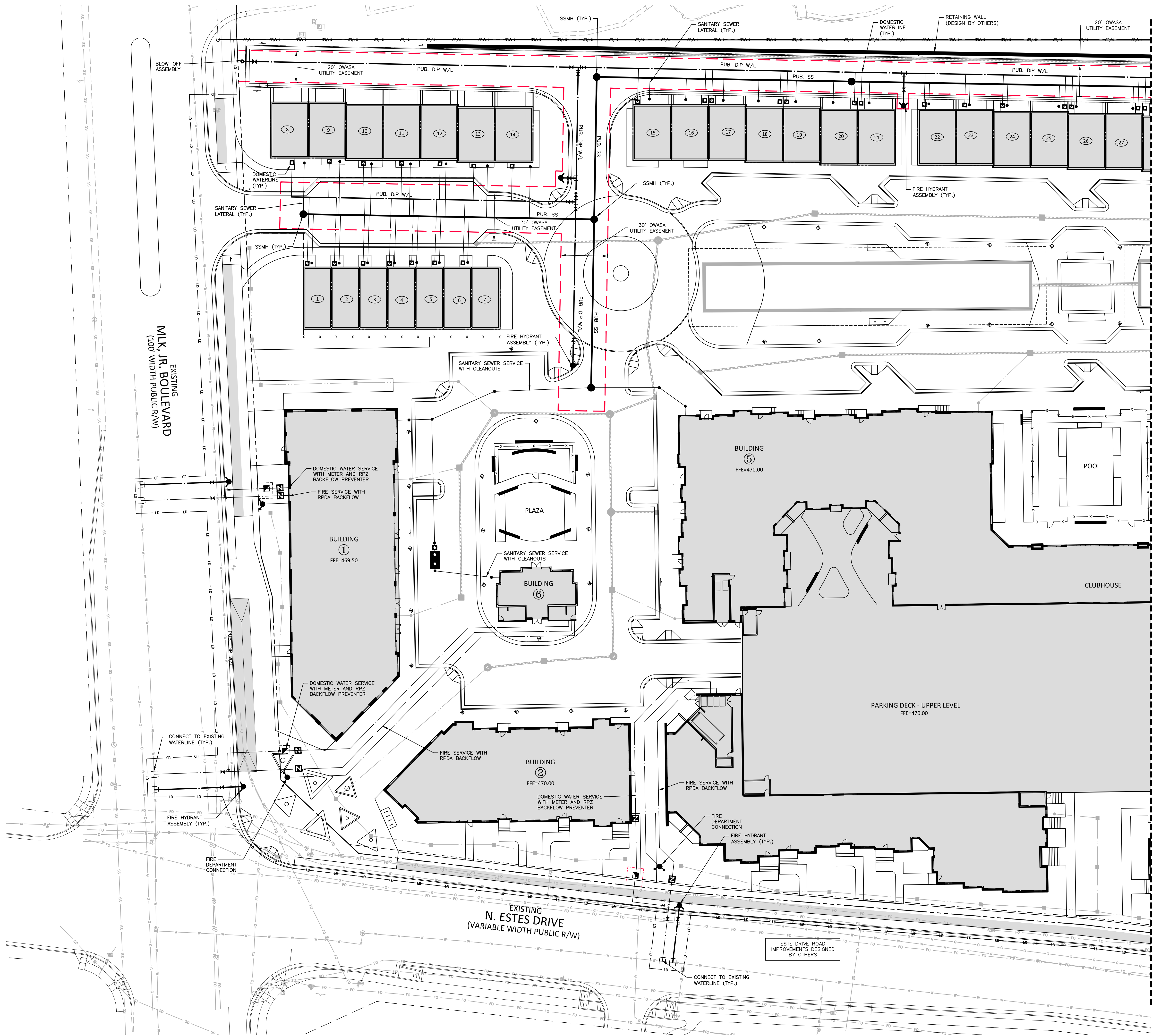
SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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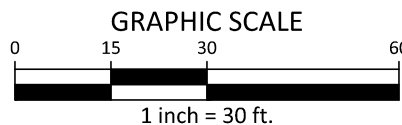
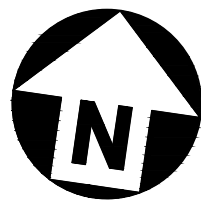
UTILITY LEGEND

- 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

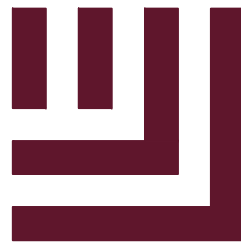
MATCH LINE - SEE SHEET C4.02

SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

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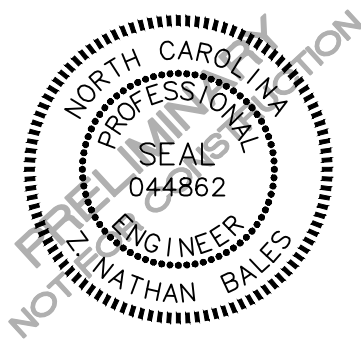
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2	12. 18. 2020	REVISED PER 2ND CZP COMMENTS

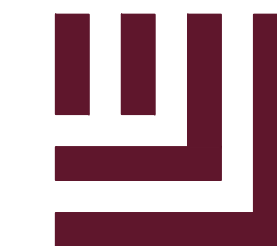
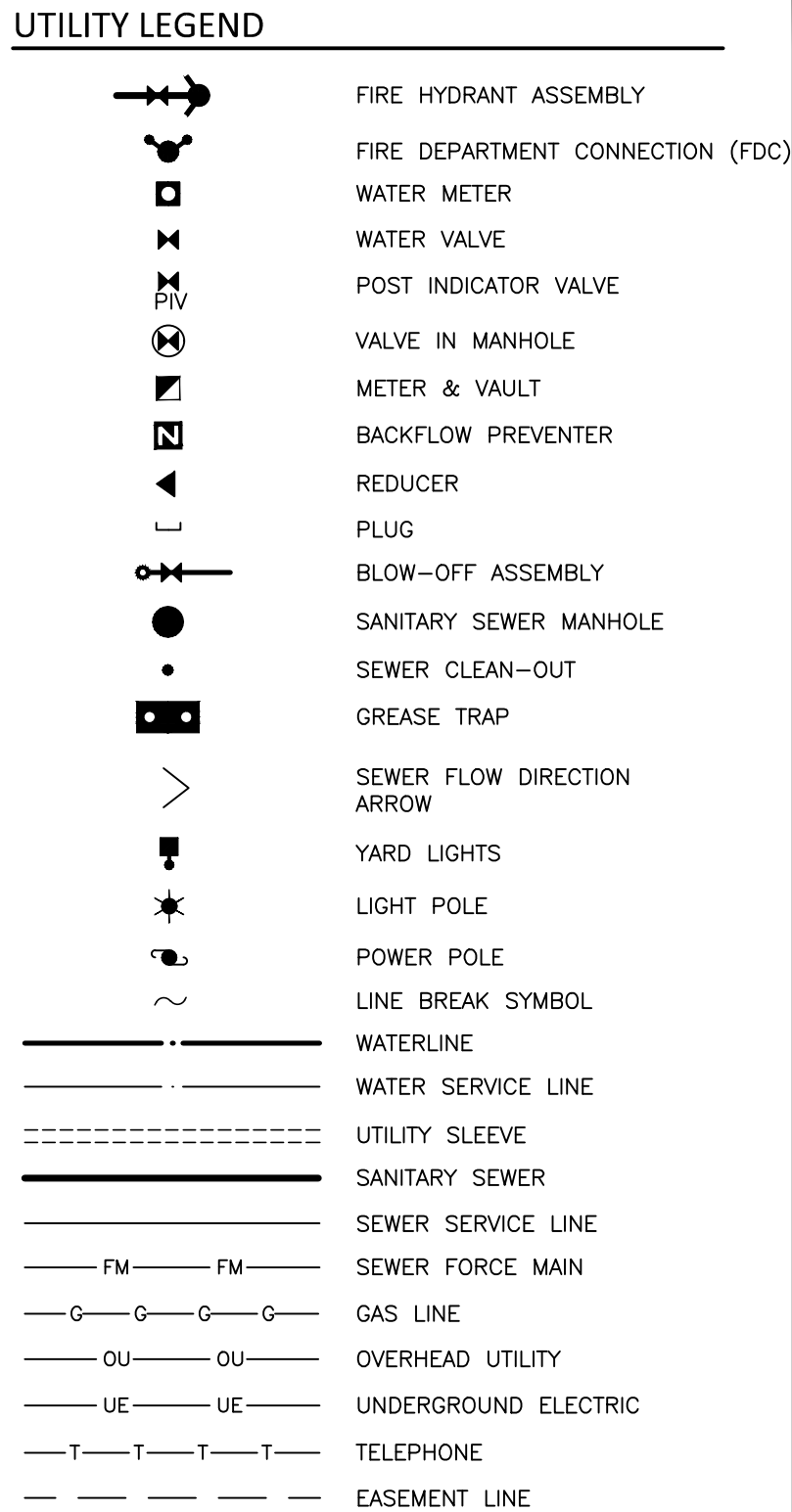
PLAN INFORMATION

PROJECT NO. TRG-20000
FILENAME TRG20000-U1
CHECKED BY ZNB
DRAWN BY CJJ
SCALE 1"=30'
DATE 09. 24. 2020

SHEET

UTILITY PLAN - AREA A

C4.01



McADAMS

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2905 Meridian Parkway
Durham, NC 27713

phone 919. 361. 5000

fax 919. 361. 2269

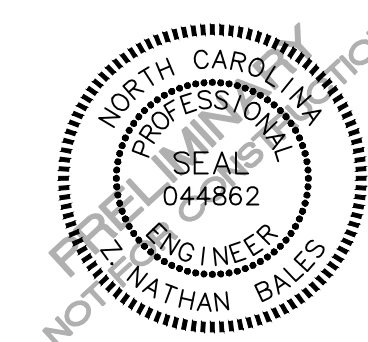
license number: C-0293, C-187

www.mcadamsco.com

CLIENT

TRINSIC RESIDENTIAL GROUP
110 CORCORAN STREET, 5TH FLOOR
DURHAM, NORTH CAROLINA, 27701
PHONE: 919. 884. 7395

AURA
CONDITIONAL ZONING PERMIT
NORTH ESTES DRIVE
CHAPEL HILL, NORTH CAROLINA, 27516



REVISIONS

NO.	DATE	REVISION DESCRIPTION
1	11. 13. 2020	REVISED PER 1ST CZP COMMENTS
2	12. 18. 2020	REVISED PER 2ND CZP COMMENT

PLAN INFORMATION

PROJECT NO.	TRG-20000
FILENAME	TRG20000-U1
CHECKED BY	ZNB
DRAWN BY	CJJ
SCALE	1"=30'
DATE	09. 24. 2020

SHEET

UTILITY PLAN - AREA B

C4.02

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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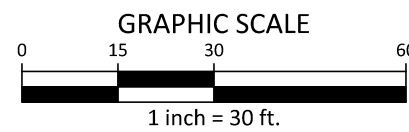
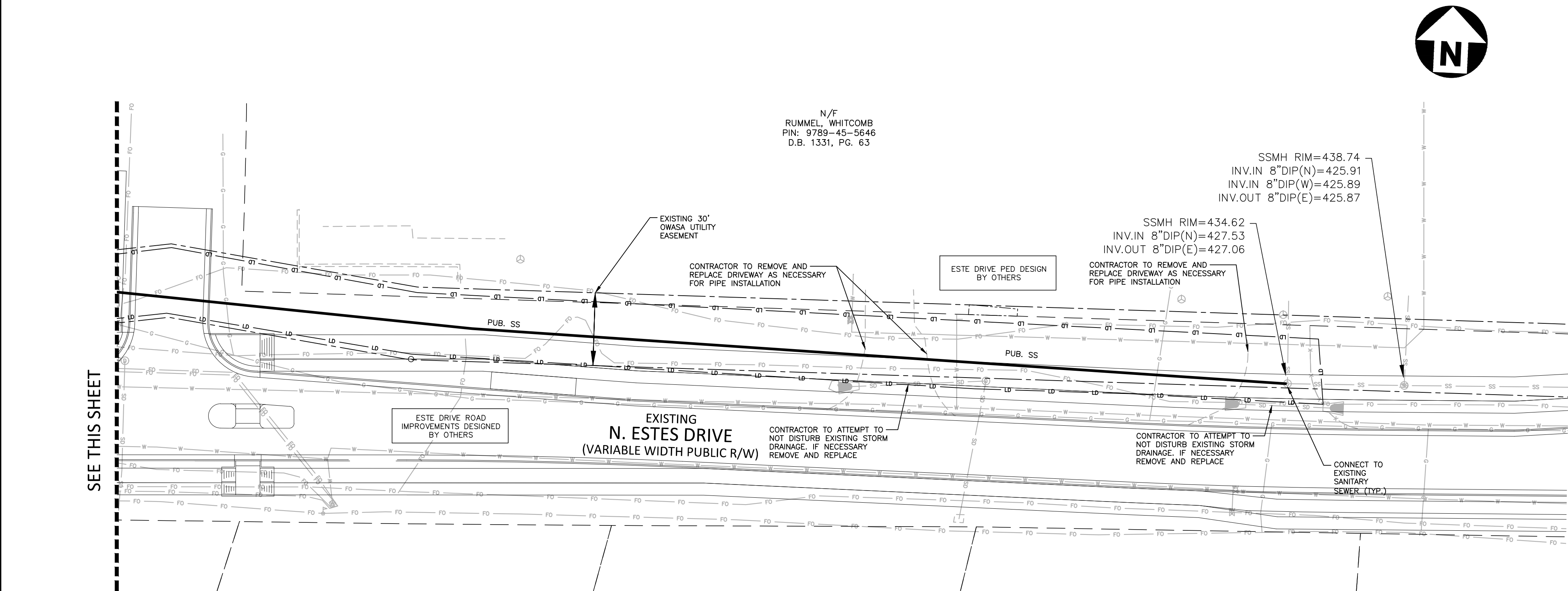
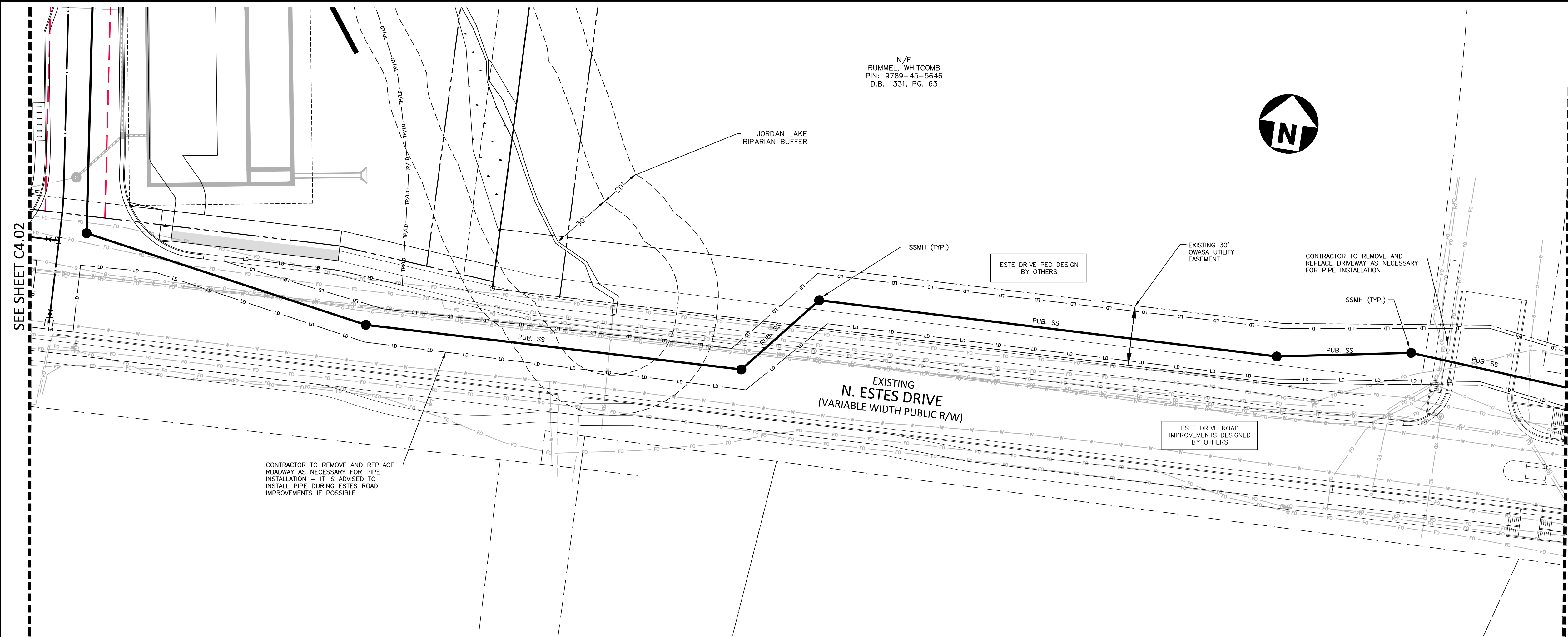
PLAN INFORMATION

PROJECT NO.	TRG-20000
FILENAME	TRG20000-U1
CHECKED BY	ZNB
DRAWN BY	CJJ
SCALE	1"=30'
DATE	09. 24. 2020

SHEET

UTILITY PLAN - AREA C

C4.03

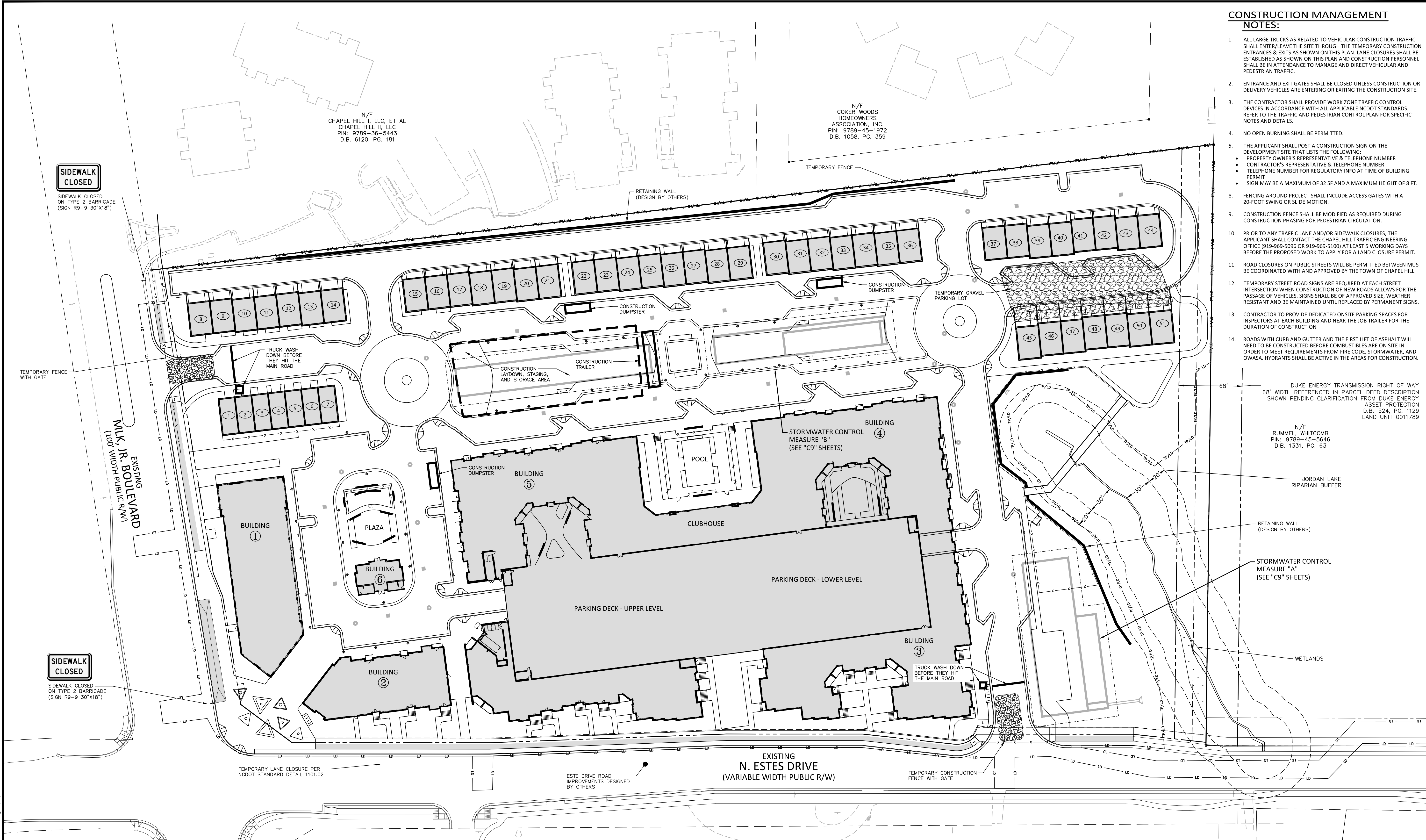


SEE SHEET C0.01 FOR ALL PROJECT, SITE, GRADING, STORM DRAINAGE AND UTILITY NOTES

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CURRENT TOWN OF CHAPEL HILL ENGINEERING DESIGN AND CONSTRUCTION STANDARDS

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

N:\Projects\TRG\TRG-20000\04-Production\Engineering\Construction Drawings\TRG20000-CM1.dwg, 12/21/2020 6:48:48 PM, Jones, Connor



CONSTRUCTION MANAGEMENT NOTES:

- ALL LARGE TRUCKS AS RELATED TO VEHICULAR CONSTRUCTION TRAFFIC SHALL ENTER/LEAVE THE SITE THROUGH THE TEMPORARY CONSTRUCTION ENTRANCES & EXITS AS SHOWN ON THIS PLAN. LANE CLOSURES SHALL BE ESTABLISHED AS SHOWN ON THIS PLAN AND CONSTRUCTION PERSONNEL SHALL BE IN ATTENDANCE TO MANAGE AND DIRECT VEHICULAR AND PEDESTRIAN TRAFFIC.
- ENTRANCE AND EXIT GATES SHALL BE CLOSED UNLESS CONSTRUCTION OR DELIVERY VEHICLES ARE ENTERING OR EXITING THE CONSTRUCTION SITE.
- THE CONTRACTOR SHALL PROVIDE WORK ZONE TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH ALL APPLICABLE NCDOT STANDARDS. REFER TO THE TRAFFIC AND PEDESTRIAN CONTROL PLAN FOR SPECIFIC NOTES AND DETAILS.
- NO OPEN BURNING SHALL BE PERMITTED.
- THE APPLICANT SHALL POST A CONSTRUCTION SIGN ON THE DEVELOPMENT SITE THAT LISTS THE FOLLOWING:
 - PROPERTY OWNER'S REPRESENTATIVE & TELEPHONE NUMBER
 - CONTRACTOR'S REPRESENTATIVE & TELEPHONE NUMBER
 - TELEPHONE NUMBER FOR REGULATORY INFO AT TIME OF BUILDING PERMIT
 - SIGN MAY BE A MAXIMUM OF 32 SF AND A MAXIMUM HEIGHT OF 8 FT.
- FENCING AROUND PROJECT SHALL INCLUDE ACCESS GATES WITH A 20-FOOT SWING OR SLIDE MOTION.
- CONSTRUCTION FENCE SHALL BE MODIFIED AS REQUIRED DURING CONSTRUCTION PHASING FOR PEDESTRIAN CIRCULATION.
- PRIOR TO ANY TRAFFIC LANE AND/OR SIDEWALK CLOSURES, THE APPLICANT SHALL CONTACT THE CHAPEL HILL TRAFFIC ENGINEERING OFFICE (919-969-5096 OR 919-969-5100) AT LEAST 5 WORKING DAYS BEFORE THE PROPOSED WORK TO APPLY FOR A LAND CLOSURE PERMIT.
- ROAD CLOSURES ON PUBLIC STREETS WILL BE PERMITTED BETWEEN MUST BE COORDINATED WITH AND APPROVED BY THE TOWN OF CHAPEL HILL.
- TEMPORARY STREET ROAD SIGNS ARE REQUIRED AT EACH STREET INTERSECTION WHEN CONSTRUCTION OF NEW ROADS ALLOWS FOR THE PASSAGE OF VEHICLES. SIGNS SHALL BE OF APPROVED SIZE, WEATHER RESISTANT AND BE MAINTAINED UNTIL REPLACED BY PERMANENT SIGNS.
- CONTRACTOR TO PROVIDE DEDICATED ONSITE PARKING SPACES FOR INSPECTORS AT EACH BUILDING AND NEAR THE JOB TRAILER FOR THE DURATION OF CONSTRUCTION
- ROADS WITH CURB AND GUTTER AND THE FIRST LIFT OF ASPHALT WILL NEED TO BE CONSTRUCTED BEFORE COMBUSTIBLES ARE ON SITE IN ORDER TO MEET REQUIREMENTS FROM FIRE CODE, STORMWATER, AND OWASA. HYDRANTS SHALL BE ACTIVE IN THE AREAS FOR CONSTRUCTION.

DUKE ENERGY TRANSMISSION RIGHT OF WAY
68' WIDTH REFERENCED IN PARCEL DEED DESCRIPTION
SHOWN PENDING CLARIFICATION FROM DUKE ENERGY
ASSET PROTECTION
D.B. 524, PG. 1129
LAND UNIT 0011789

N/F
RUMMEL, WHITCOMB
PIN: 9789-45-5646
D.B. 1331, PG. 63

JORDAN LAKE
RIPARIAN BUFFER

RETAINING WALL
(DESIGN BY OTHERS)

STORMWATER CONTROL
MEASURE "A"
(SEE "C9" SHEETS)

WETLANDS



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PHONE: 919. 884. 7395

AURA CONDITIONAL ZONING PERMIT NORTH ESTES DRIVE CHAPEL HILL, NORTH CAROLINA, 27516



REVISIONS

NO.	DATE	REVISION DESCRIPTION
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2	12.18.2020	REVISED PER 2ND CZP COMMENTS

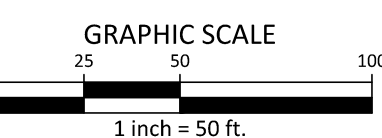
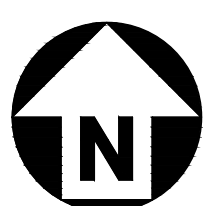
PLAN INFORMATION

PROJECT NO. TRG-20000
FILENAME TRG20000-CM1
CHECKED BY ZNB
DRAWN BY CJJ
SCALE 1"=50'
DATE 09.24.2020

CONSTRUCTION MANAGEMENT PLAN C7.00

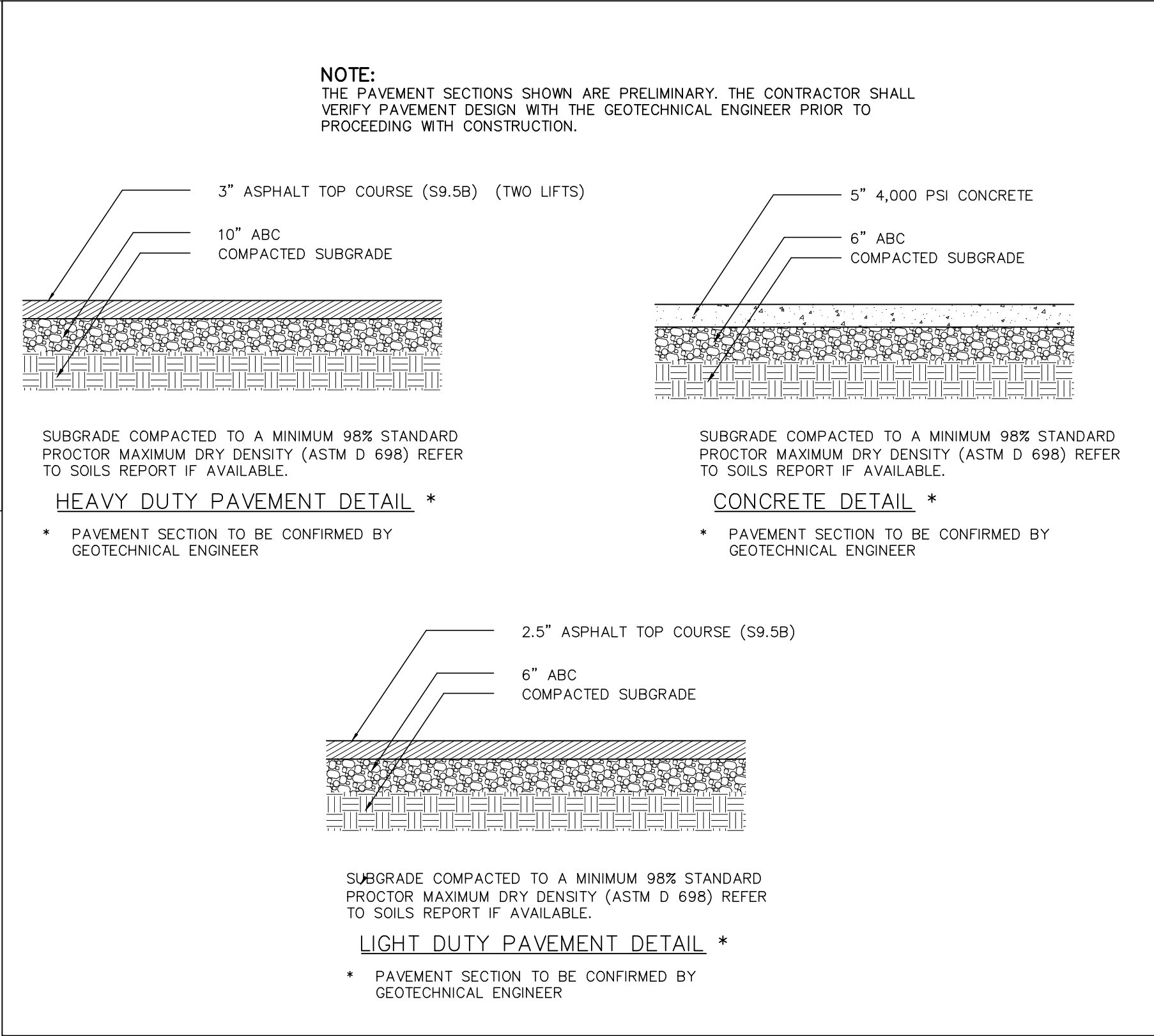
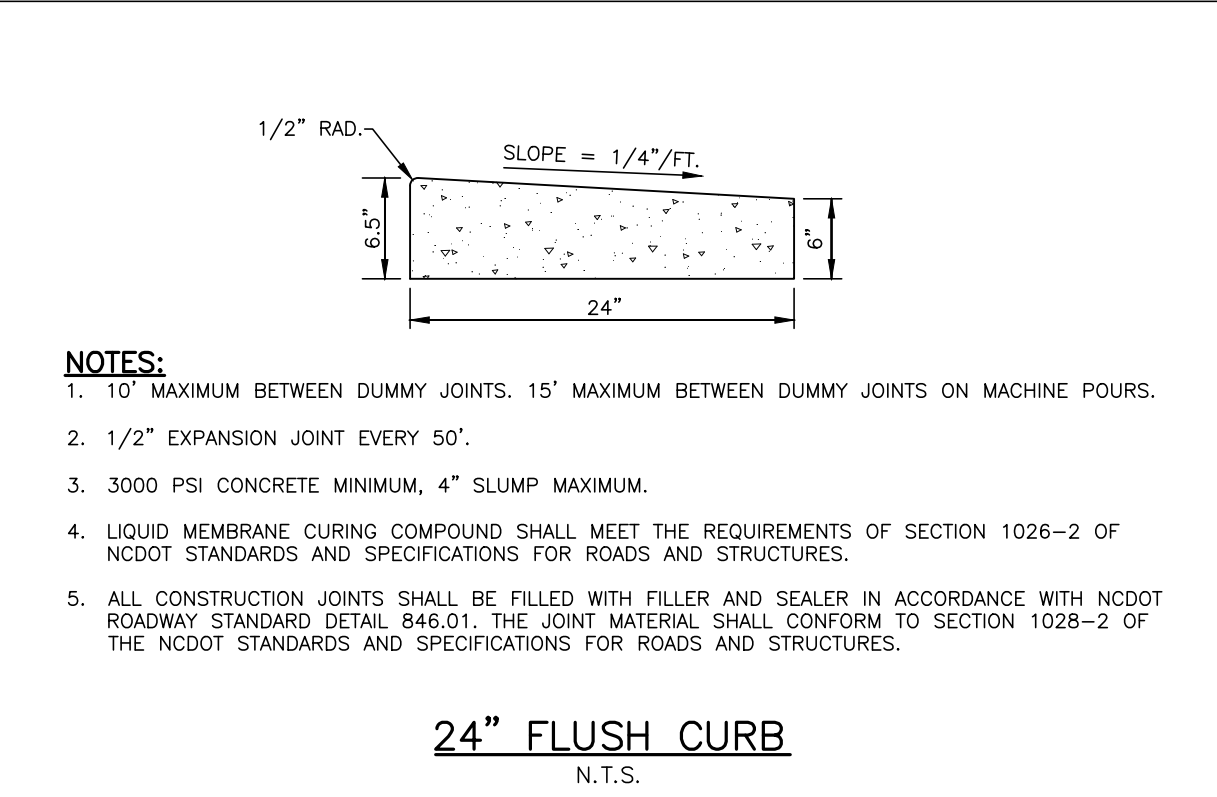
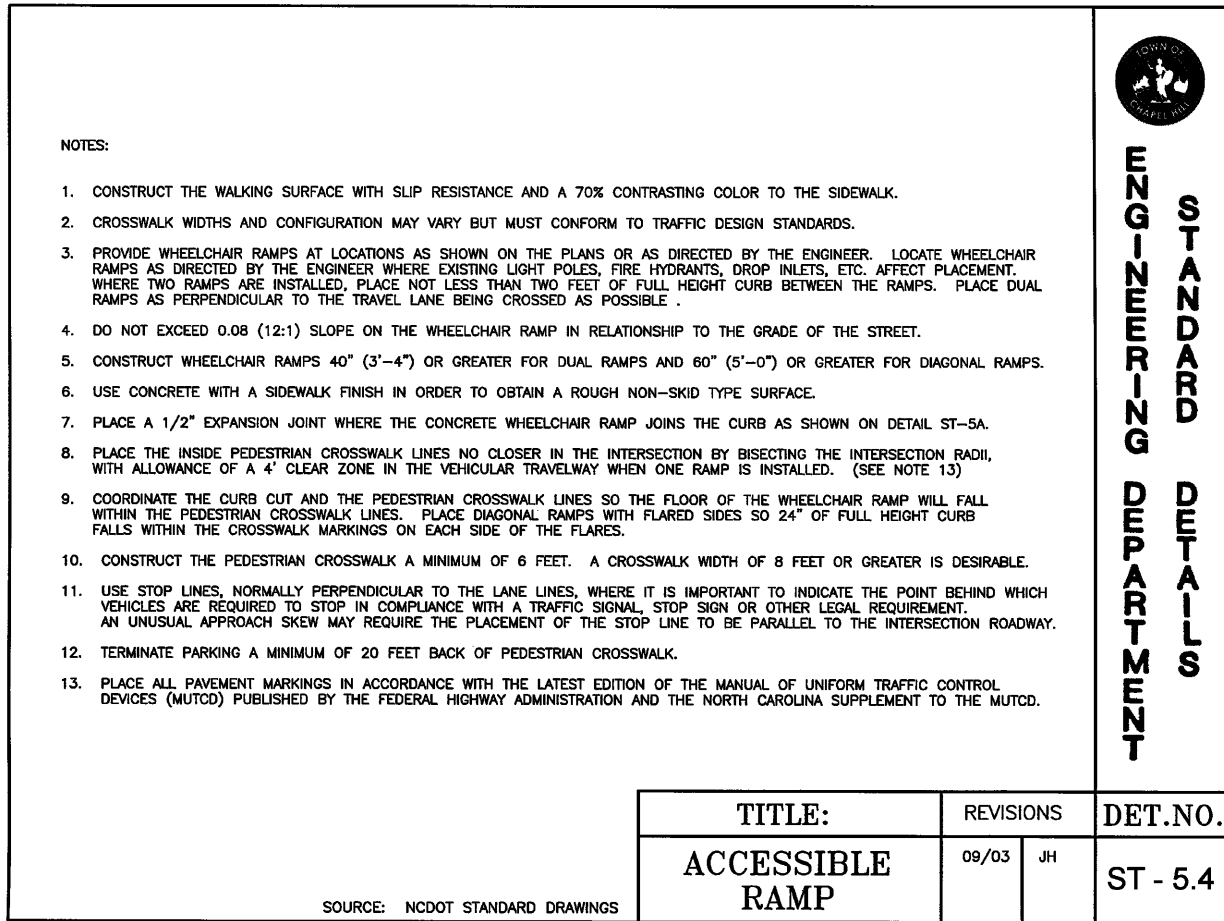
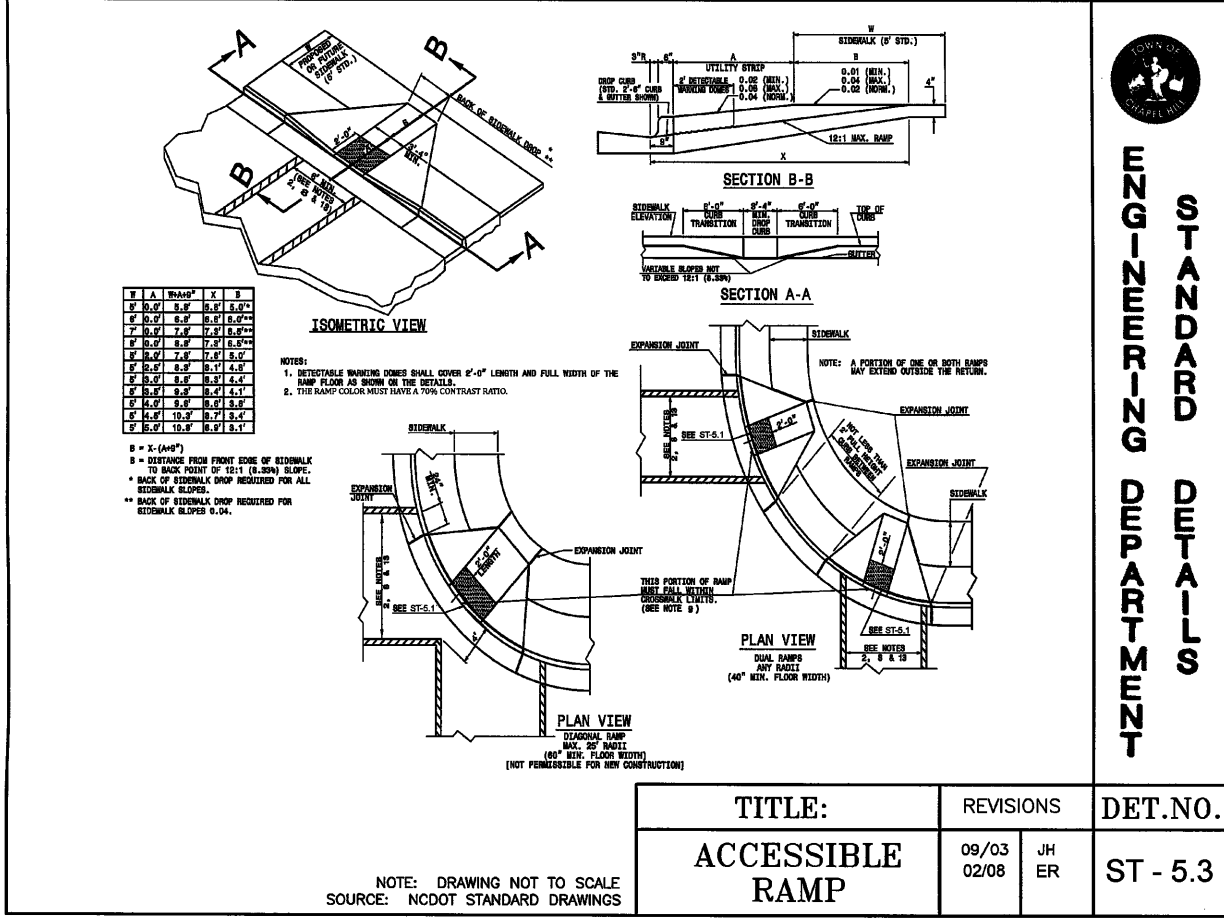
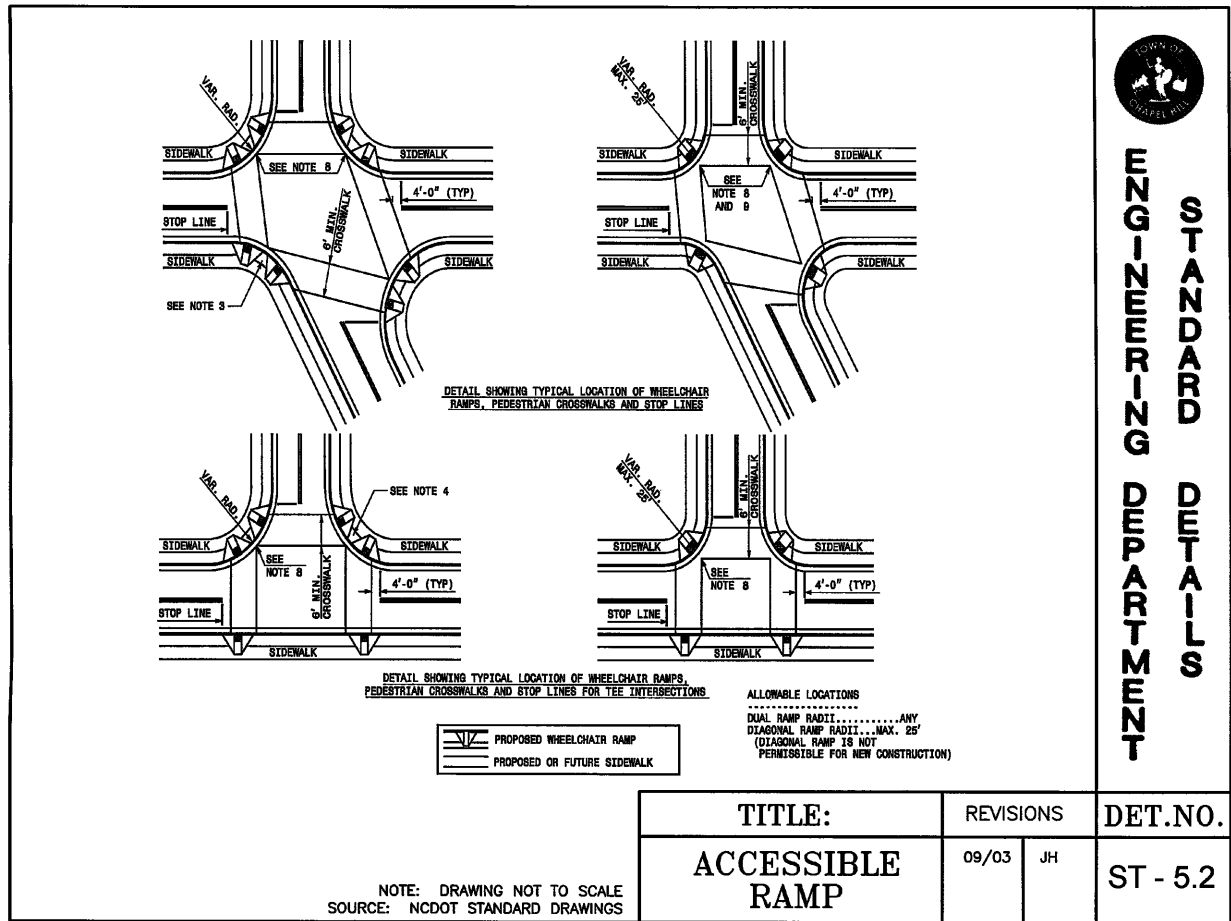
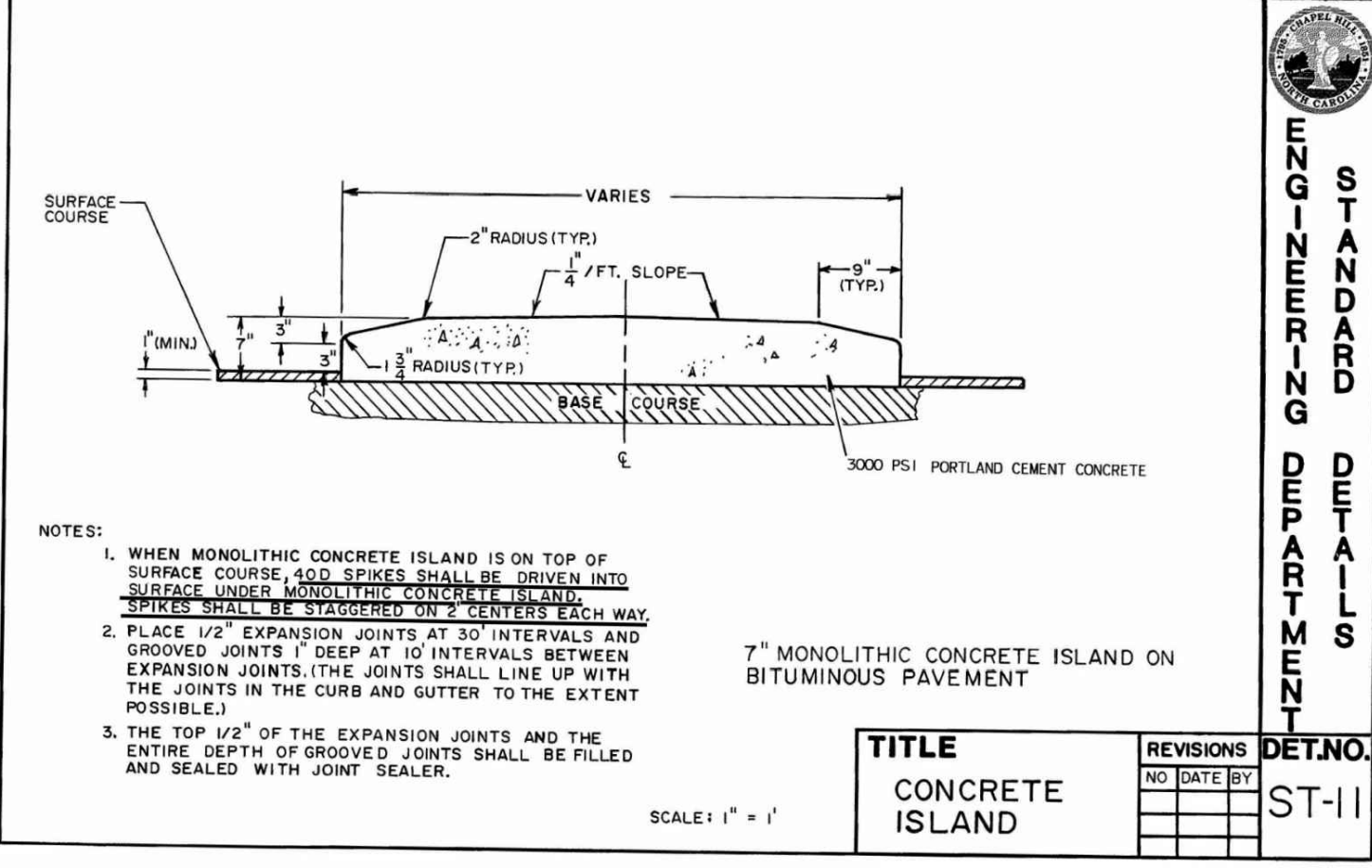
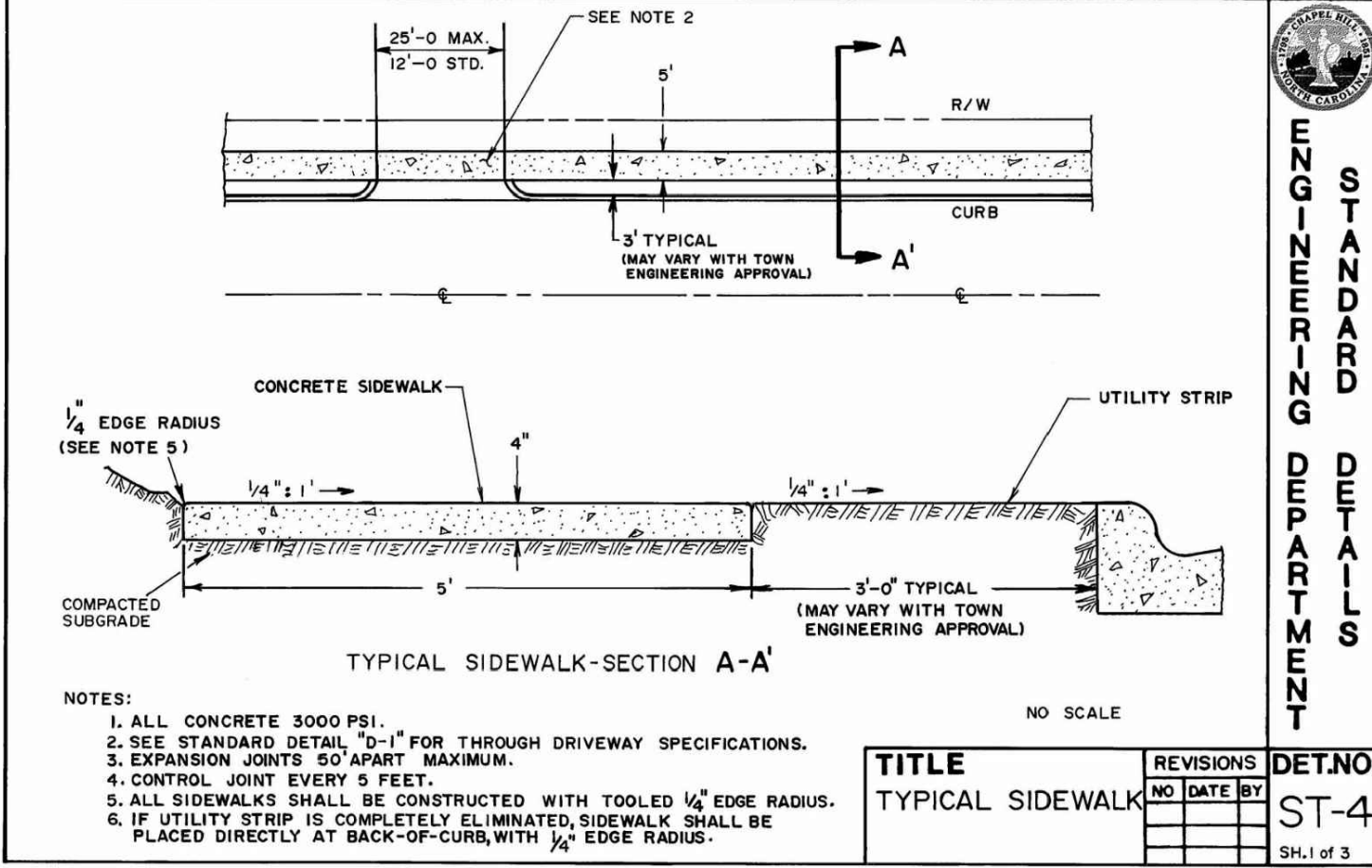
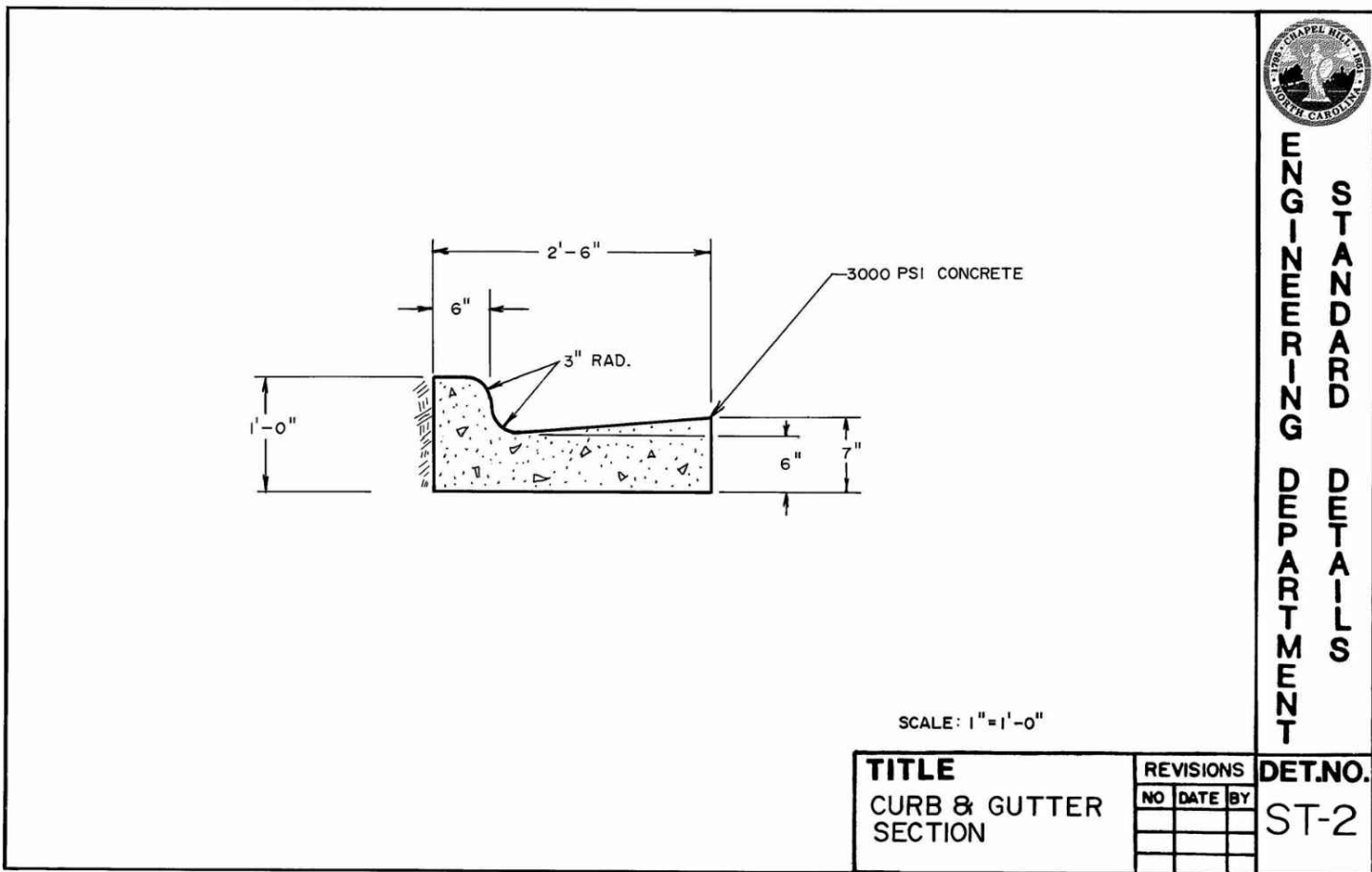
SEE SHEET C0.01 FOR ALL PROJECT, SITE,
GRADING, STORM DRAINAGE AND UTILITY
NOTES

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OF CHAPEL HILL ENGINEERING DESIGN AND
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PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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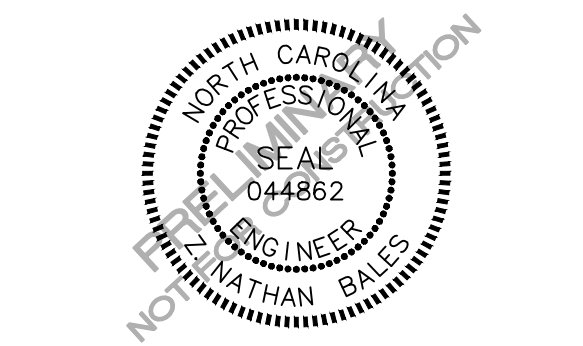
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AURA

CONDITIONAL ZONING PERMIT
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PLAN INFORMATION

PROJECT NO.	TRG-20000
FILENAME	TRG20000-D1
CHECKED BY	ZNB
DRAWN BY	CJJ
SCALE	N/A
DATE	09. 24. 2020

SHEET

SITE DETAILS

C8.00



NOTE:
SEE STORMWATER IMPACT ANALYSIS (SIA)
FOR MORE INFORMATION REGARDING
VAULT DESIGN.

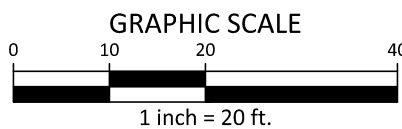
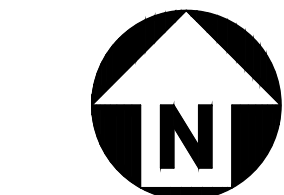
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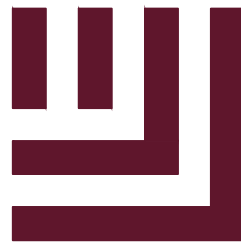
REVISIONS		
NO.	DATE	REVISION DESCRIPTION
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PLAN INFORMATION	
PROJECT NO.	TRG-20000
FILENAME	TRG20000-SWA
CHECKED BY	DCW
DRAWN BY	LK
SCALE	1"=20'
DATE	12.21.2020

SHEET
STORMWATER CONTROL
MEASURE 'A' PLAN VIEW
C9.00A



UNDERGROUND SAND FILTER & DETENTION SYSTEM 'A' PLAN VIEW
1" = 20'



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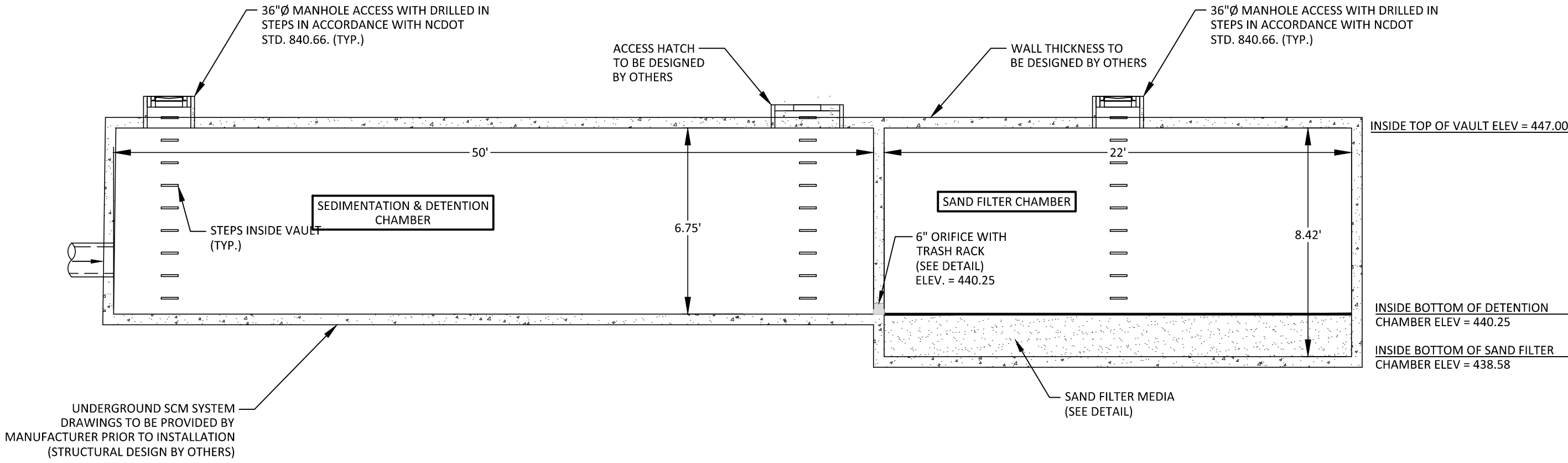
PLAN INFORMATION

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CHECKED BY	DCW
DRAWN BY	LK
SCALE	N.T.S.
DATE	12.21.2020

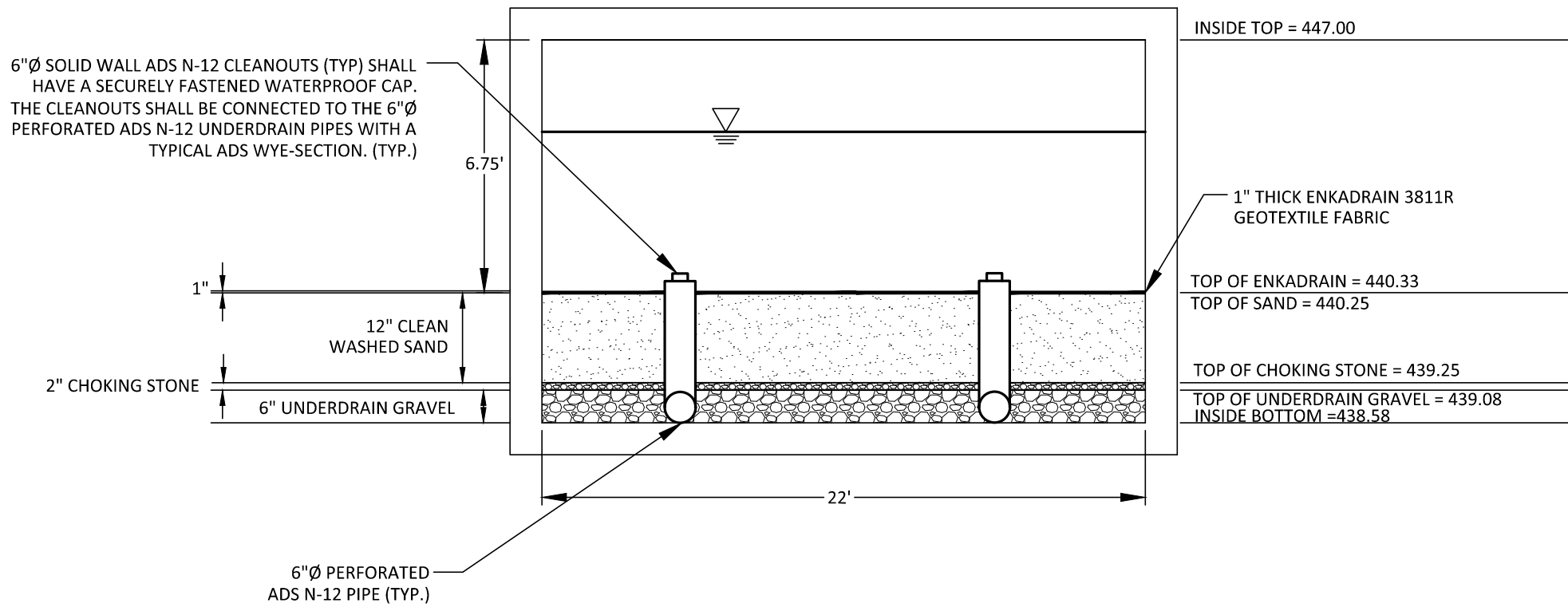
SHEET

STORMWATER CONTROL
MEASURE 'A' DETAILS

C9.01A



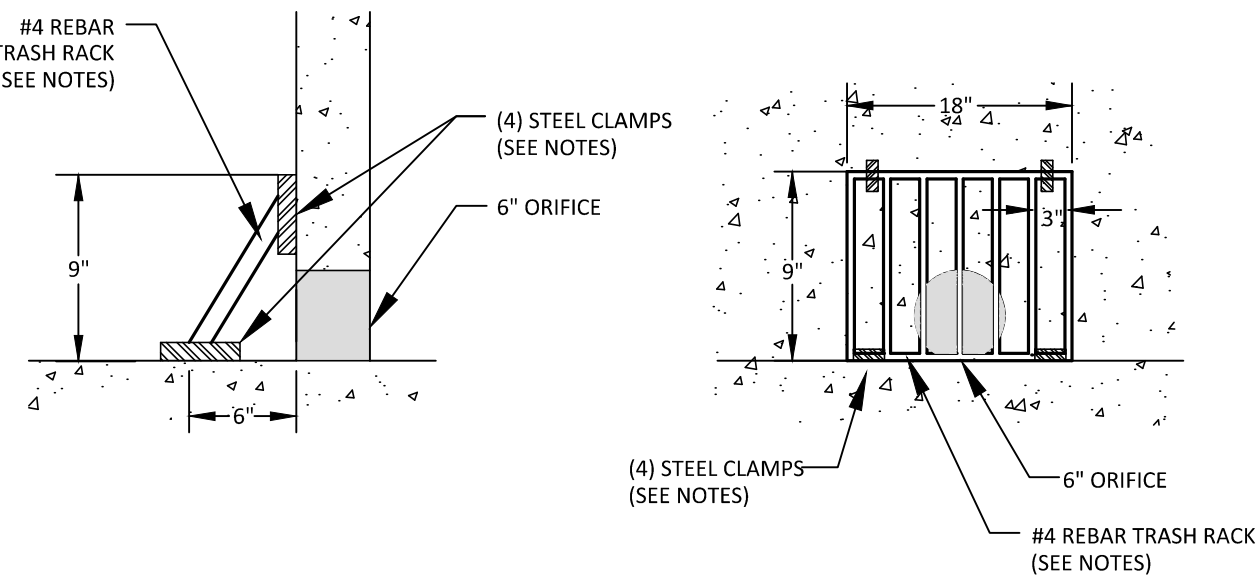
SAND FILTER AND DETENTION VAULT A' - A' PROFILE VIEW
N.T.S.



SAND CHAMBER FILTER MEDIA DETAIL
N.T.S.

NOTES:

1. ATTACH TRASH RACK WITH (4) HOT DIPPED GALVANIZED STEEL CLAMPS. EACH CLAMP ATTACHED TO WEIR BOX BY (2) 4"x1/4" CONCRETE ANCHOR BOLTS. EACH CLAMP SHALL BE COATED WITH AN EPOXY COATING.
2. ALL REBAR TO BE GALVANIZED #4 REBAR WITH AN EPOXY COATING.
3. BAR SPACING TO BE ON-CENTER MEASUREMENT.



6" ORIFICE TRASH RACK DETAIL
N.T.S.

NOTE: THE ONSITE GEOTECHNICAL ENGINEER SHALL CERTIFY ALL COMPONENTS OF THE SAND FILTER.

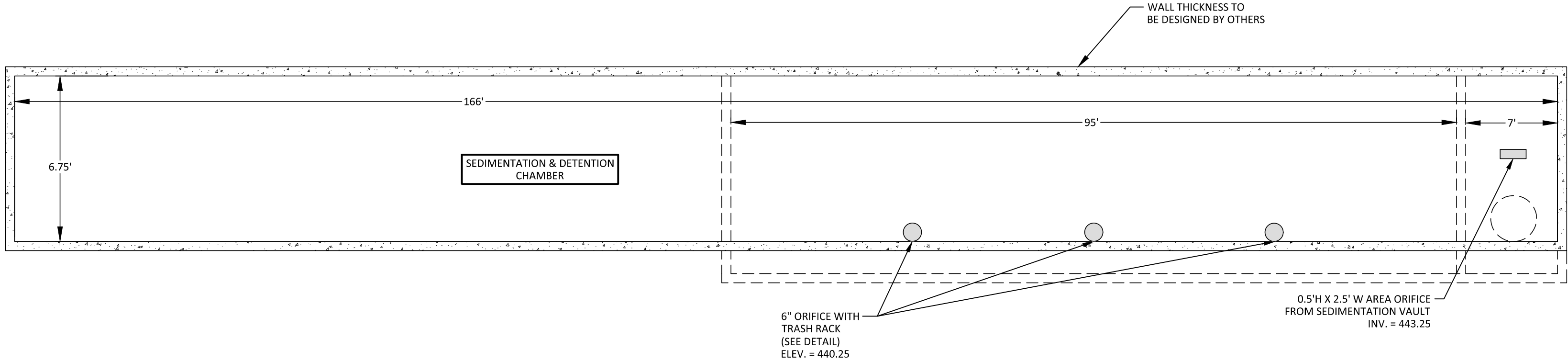
MATERIAL	SPECIFICATIONS / TEST METHOD	SIZE	NOTES
SAND	CLEAN ASBESTO M-6 OR ASTM C-33 MEDIUM AGGREGATE SAND	0.02" TO 0.04"	SAND SUBSTITUTIONS SUCH AS DIABASE AND GRAYSTONE #30 ARE NOT ACCEPTABLE. NO CALCIUM CARBONATE OR OILY/CLAY SAND SUBSTITUTIONS ARE ACCEPTABLE. NO "ROCK DUST" CAN BE USED FOR SAND.
UNDERDRAIN GRAVEL (6" LAYER UNDER CHOKING STONE)	ASTM C-33	#57 STONE	
CHOKING STONE (2" LAYER BETWEEN SAND AND GRAVEL)	ASTM C-33	#8 STONE	
GEOTEXTILE FABRIC ABOVE SAND LAYER	ENKADRAIN 3811R		ENKADRAIN 3811R OR ENGINEER APPROVED EQUIVALENT TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS
UNDERDRAIN PIPING	AASHTO M-252	6" ADS N-12 (DOUBLE WALL HDPE PIPE)	3/8" PERFORATIONS @ 6" ON CENTER, 4 HOLES PER ROW. MINIMUM OF 4" OF GRAVEL OVER PIPES, 1" TOTAL LAYER OF GRAVEL

SAND FILTER MATERIAL SPECIFICATIONS
N.T.S.

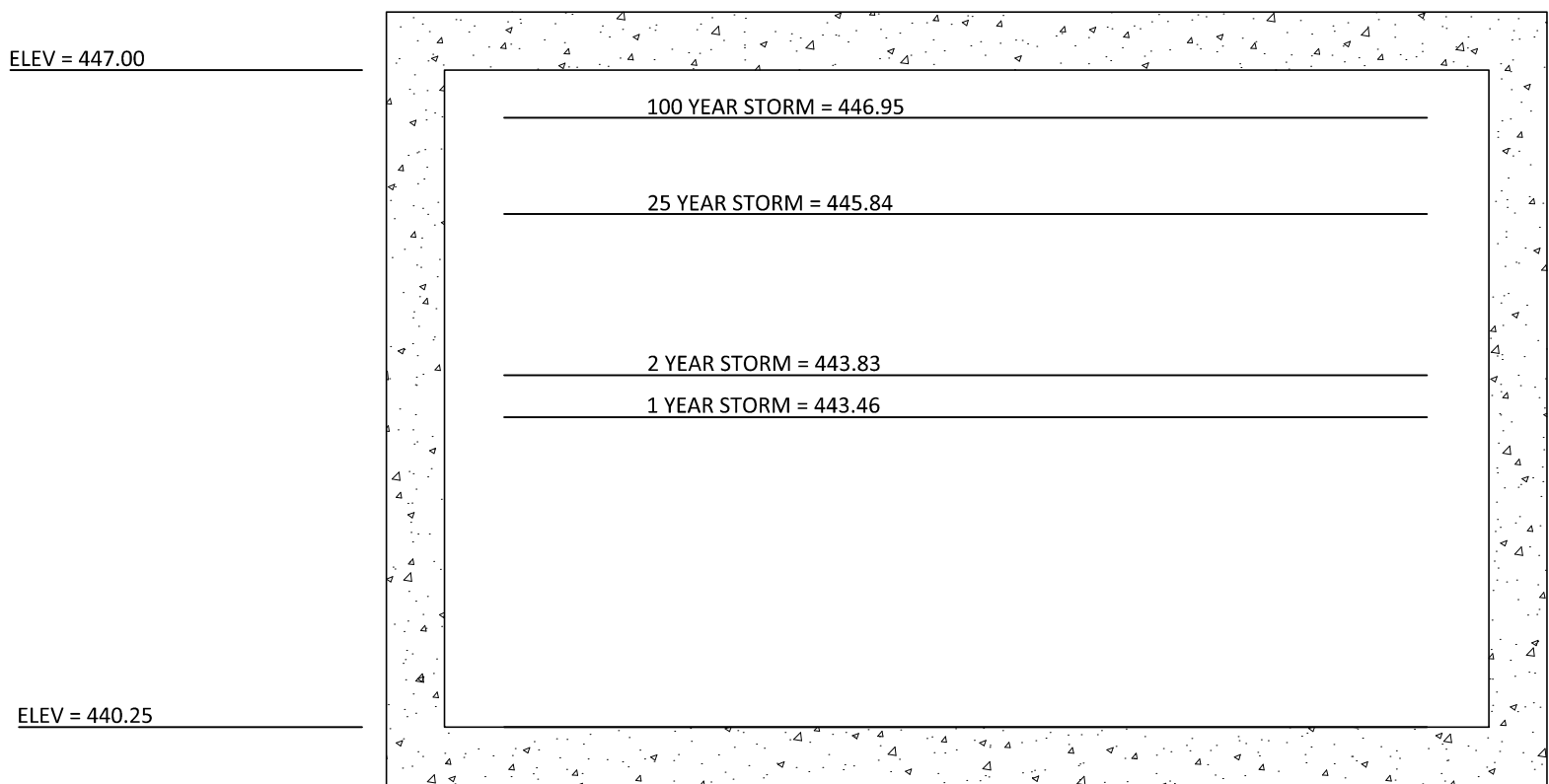
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PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION



DETENTION VAULT B' - B' PROFILE VIEW
N.T.S.



DETENTION VAULT CROSS SECTION
N.T.S.