APPL	IAL USE I		100	EL WILL	phone (919	405 Marti 968-2728	DWN OF CHAPEL HILL Planning Department In Luther King Jr. Blvd. Chapel Hill, NC 27514 fax (919) 969-2014 townofchapelhill.org
Parcel Identifie		i): _9799-68-5750				Date:	12/16/2021
ection A. I I	oject illioi ii	iddion.					
Project Name:		Fifth Third Bank					
Property Addre	ess:	1800 Fordham BLVD Cha	pel Hill		Zip Code:	_2	7514
Use Groups (A,	B, and/or C):	С			Existing Zoning	District: C	С
Project Descrip	tion:	Demolish the eixsting Ha	rdee's and	l develop a	new financial se	rives branch v	vith drive-thru service
ection B: Ap	plicant, Ow	ner, and/or Contract I	urchase	r Informa	tion		
Applicant	Information	(to whom corresponder	nce will be	e mailed):			
	ton Properties			, -			
Address: 61	0 E. Morehead	l St., Suite 100					
City: Ch	arlotte	•	State:	NC		Zip Code:	28202
Phone: (70	04) 319-4921		– Email:	besmith@	astonprop.com	_ `	
	with this appl	cant hereby certifies tha lication and accurate.	, to the t		Da		3 2/
Owner/Co	er		⊠ Cor	ntract Purc	haser		
_	er		⊠ Cor	ntract Purc	haser		
Owne	er I-DEV, LLC		⊠ Cor	ntract Purc	haser		
Owne	I-DEV, LLC	l St., Suite 100	⊠ Cor	ntract Purc	haser		
Name: AP Address: 61 City: Ch	I-DEV, LLC 0 E. Morehead arlotte	l St., Suite 100	State:	NC	haser	Zip Code:	28202
Name: AP Address: 61 City: Ch	I-DEV, LLC 0 E. Morehead	l St., Suite 100		NC	haser Dastonprop.com	Zip Code:	28202
Owner	I-DEV, LLC 0 E. Morehead arlotte 04) 366-7337 rsigned appli	I St., Suite 100 cant hereby certifies tha lication and accurate.	State: Email:	NC besmith@	astonprop.com r knowledge a	nd belief, all	
Name: AP Address: 61 City: Ch Phone: (70	I-DEV, LLC 0 E. Morehead arlotte 04) 366-7337 rsigned appli	cant hereby certifies tha	State: Email:	NC besmith@ pest of thei	Pastonprop.com r knowledge a Da	nd belief, all	

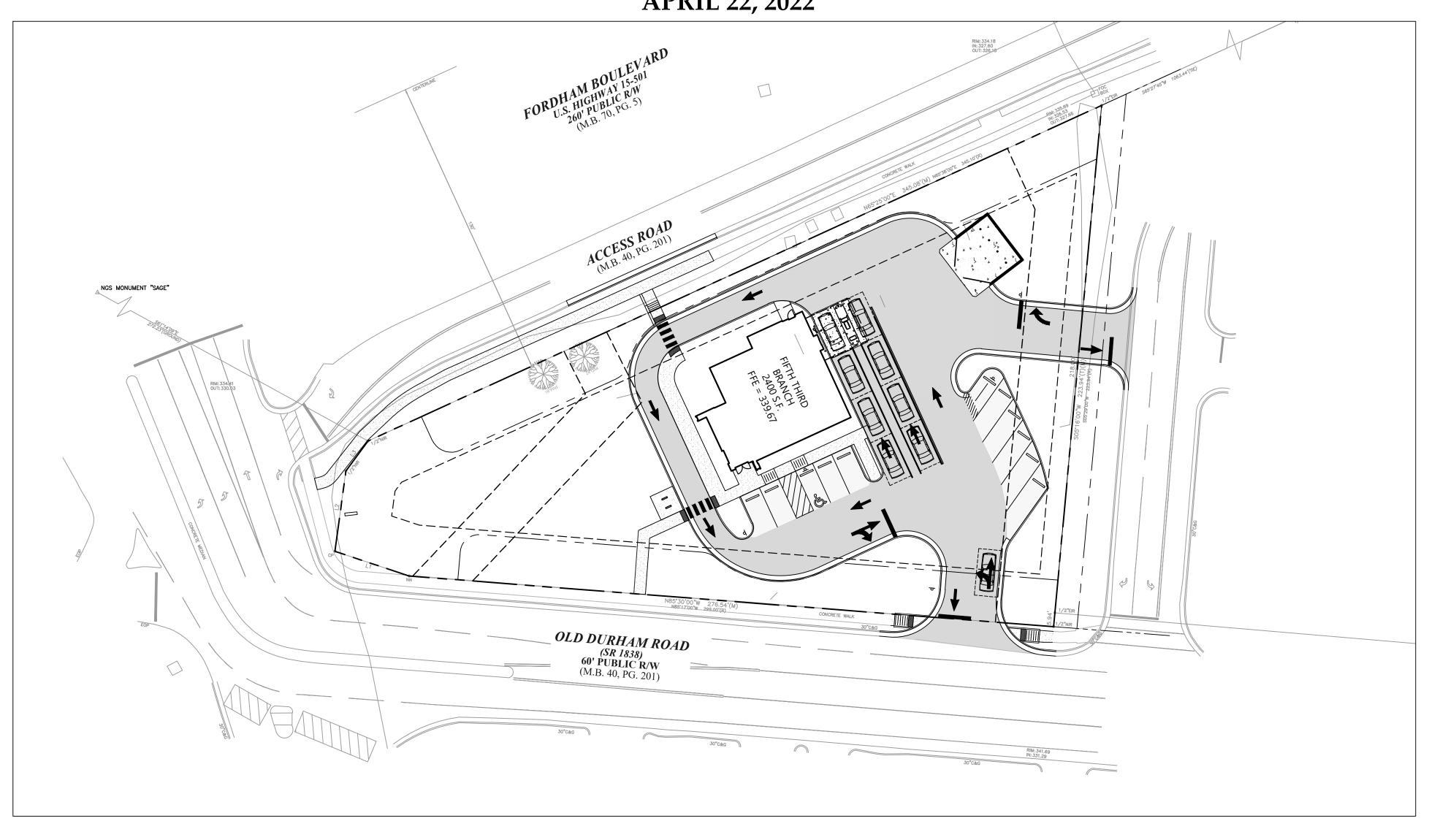
			F	PROJECT	rown (T SHE OF CHAPEL ng Departi	HILL
Section A: Project Informat	tion						
Use Type: (check/list all the	at apply)						
Office/Institutional	Residential	Mixed-Use	Other:				
Overlay District: (check all	that apply)						
Historic District	Neighborhoo	d Conservation Distric	ct Airport Haza	ard Zone			
Section B: Land Area							
Net Land Area (NLA): Area with	in zoning lot bou	ındaries			NLA=	42,237	sq. ft.
Choose one, or both, of	Credited Street	Area (total adjacent fr	ontage) x ½ width of p	public right-	CSA=	3,300	sq. ft.
	Credited Perma	nent Open Space (tota	al adjacent frontage) x	½ public or	COS=		sq. ft.
dedicated open space						45.505	_
TOTAL: NLA + CSA and/or COS = Section C: Special Protection Special Protection Areas: (4)	on Areas, Land	d Disturbance, and	\sim	~~	GLA=	45,537	sq. ft.
TOTAL: NLA + CSA and/or COS = Section C: Special Protection Special Protection Areas: (Jordan Buffer F	on Areas, Land	d Disturbance, and	d Impervious Area	~~		tection Dis	strict
Section C: Special Protection Special Protection Areas: ((on Areas, Land check all those to Resource Conser	d Disturbance, and hat apply) vation District	d Impervious Area	☐ Waters	hed Pro	~	strict
Section C: Special Protection Special Protection Areas: (Jordan Buffer F Land Disturbance Area of Land Disturbance	on Areas, Land check all those to Resource Conser activity plus work a	d Disturbance, and hat apply) vation District	d Impervious Area	☐ Waters	hed Pro	tection Dis	strict
Section C: Special Protection Special Protection Areas: (Jordan Buffer F Land Disturbance Area of Land Disturbance (Includes: Footprint of proposed a all grading, including off-site cleaning)	on Areas, Land check all those to Resource Conser activity plus work a ng) n RCD	d Disturbance, and hat apply) vation District	d Impervious Area	☐ Waters	hed Pro	Total (sq. 50,000	strict
Section C: Special Protection Special Protection Areas: (Jordan Buffer F Land Disturbance Area of Land Disturbance (Includes: Footprint of proposed a all grading, including off-site clearing Area of Land Disturbance within Area of Land Disturbance within Area of Land Disturbance within	on Areas, Land check all those to Resource Conser activity plus work a ng) n RCD	d Disturbance, and hat apply) vation District	d Impervious Area 100 Year Floodplain rea for materials, access	☐ Waters	hed Pro	Total (sq. 50,000 N/A N/A	strict
Section C: Special Protection Special Protection Areas: (Jordan Buffer F Land Disturbance Area of Land Disturbance (Includes: Footprint of proposed a all grading, including off-site clearia Area of Land Disturbance within	on Areas, Land check all those to Resource Conser activity plus work a ng) n RCD	d Disturbance, and hat apply) vation District	d Impervious Area	☐ Waters	hed Pro	Total (sq. 50,000 N/A N/A	strict
Section C: Special Protection Special Protection Areas: (Jordan Buffer F Land Disturbance Area of Land Disturbance (Includes: Footprint of proposed a all grading, including off-site clearin Area of Land Disturbance within Area of Land Disturbance within Area of Land Disturbance within	on Areas, Land check all those to Resource Conser activity plus work a ng) n RCD n Jordan Buffer	d Disturbance, and hat apply) vation District area envelope, staging at Existing (sq. ft.)	d Impervious Area 100 Year Floodplain rea for materials, access Demolition (sq. ft.)	☐ Waters //equipment pati	hed Pro	Total (sq. 50,000 N/A N/A	strict
Section C: Special Protection Special Protection Areas: (Jordan Buffer F Land Disturbance Area of Land Disturbance (Includes: Footprint of proposed a all grading, including off-site clearly Area of Land Disturbance within Area of Land Disturbance within Impervious Areas Impervious Surface Area (ISA) Impervious Surface Area (ISA)	check all those to Resource Conser activity plus work and an RCD In Jordan Buffer an (ISA/GLA)% ion District, %	d Disturbance, and hat apply) vation District area envelope, staging at Existing (sq. ft.) 34,382	d Impervious Area 100 Year Floodplain rea for materials, access Demolition (sq. ft.) 33,064	Waters /equipment patl	sq. ft.)	Total (sq. 50,000 N/A N/A Total (23,781 52	strict
Section C: Special Protection Special Protection Areas: (Jordan Buffer F Land Disturbance Area of Land Disturbance (Includes: Footprint of proposed all grading, including off-site clearin Area of Land Disturbance within Area of Land Disturbance within Area of Land Disturbance within Impervious Areas Impervious Surface Area (ISA) Impervious Face Area (ISA) Impervious Surface Area (ISA)	check all those to Resource Conservables activity plus work and activity plus work activity plus work and activity plus work	d Disturbance, and hat apply) vation District area envelope, staging at Existing (sq. ft.) 34,382 76 Surface Areas (ISA de the entire limits) high includes off-sith high includes off-sith high area.	Demolition (sq. ft.) 33,064 73	Waters	sq. ft.)	Total (sq. 50,000 N/A N/A	strict .ft.)

OMAPEL					то	CT FACT SHEET WN OF CHAPEL HILL lanning Department
ection D: D	imensior	is				
Dimensional I	Jnit (sq. ft	.)	Existing (sq. ft.)	Demolition (sq. ft	.) Proposed (sq. f	ft.) Total (sq. ft.)
Number of Bu	ildings		3,287	3,287	2,400	2,400
Number of Flo	ors		1	1	1	1
Recreational S			_	-		
necreational :	pace					
			Residen	tial Space		
Dimensional (Unit (sq. ft)	Existing (sq.ft.)	Demolition (sq. ft	.) Proposed (sq.	ft.) Total (sq. ft
Floor Area (all	floors – he	eated and unheated)				
Total Square F	ootage of	All Units				
Total Square F	ootage of	Affordable Units				
Total Resident						
Number of Dv						
Number of Af						
Number of Sir						
Number of Tw						
Number of Th	ree Bedroo	om Units				
		Non-Re	sidential Snace /Gro	ss Floor Area in Squar	e Feet)	
Use Type		Existing	Proposed	Uses	Existing	Proposed
Commercial			2,400			
Restaurant		3,287		# of Seats		
Government					The state of the s	
Institutional						
Medical						
Office						
Hotel				# of Rooms		
Industrial				- 3		
Place of Wors	hip			# of Seats		
Other				-		
	Di	alanal Danulari		Required by	Pulatia -	Draws
		sional Requirement	•	Ordinance	Existing	Proposed
	Street			22	34.5'	27'
Setbacks		erior (neighboring property lines)		8	51.4'	94.6'
				9		
Setbacks (minimum)	Solar (n	orthern property line	:)			
(minimum) Height	Solar (n Primary		:)	34	16.7	18.67'
	Solar (n	ary	:)	34	16.7	18.67'

Note: For approval of propose Street Name Wegman's Vehicular Acc	osed street nam	nes, contact the En						
Wegman's Vehicular Acc		Right-of-Way	Pavement	Number o		Existing		Existing
		Width N/A	Width 30'	Lanes 2	- 5	Sidewalk		Curb/Gutte
Old Durham Road		60	47	3	☐ Yes ☐ Yes		-	Yes Yes ✓
List Proposed Points of Access (I			ewalks, please prov	ide the follov	ing info	ormation	:	
			Information					
Street Names		Dimensions	Surfa	ce		Handica	apped I	Ramps
Fordham Blvd. (Service Road))	5' x 198'	Concre	ete		Yes	No	⊠ N/A
					Yes		No	□ N/A
Parking Spaces Regular Spaces Handicap Spaces Total Spaces	8 1	Minimum	12 1 1 1 2 1 2 1 1 2 1 2 1 1 1 2 1 2 1	um	9 1 17	Pi	opose	d
Regular Spaces Handicap Spaces Total Spaces	8	Minimum	12	um	_	Pi	opose	d
Regular Spaces Handicap Spaces Total Spaces Loading Spaces Bicycle Spaces	8 1 9 0 4	Minimum	12 1 12	um	1 12	Pi	opose	d
Regular Spaces Handicap Spaces Total Spaces Loading Spaces	8 1 9 0	Minimum	12 1 12 0	um	1 12 0	Pi	opose	d
Regular Spaces Handicap Spaces Total Spaces Loading Spaces Bicycle Spaces	8 1 9 0 4 Asphalt	Minimum	12 1 12 0	um	1 12 0	Pı	opose	i .
Regular Spaces Handicap Spaces Total Spaces Loading Spaces Bicycle Spaces Surface Type Section H: Landscape Buffer	8 1 9 0 4 Asphalt	Minimum Minimum W	12 1 12 0 4		1 12 0			
Regular Spaces Handicap Spaces Total Spaces Loading Spaces Bicycle Spaces Surface Type Section H: Landscape Buffer	8 1 9 0 4 Asphalt		12 1 12 0 4		1 12 0 4	suffer	Mo	d dify Buffer ⊠ Yes
Regular Spaces Handicap Spaces Total Spaces Loading Spaces Bicycle Spaces Surface Type Section H: Landscape Buffer Location (North, South, Street,	8 1 9 0 4 Asphalt	Minimum W	12 1 12 0 4		1 12 0 4	iuffer s	Mod	dify Buffer
Regular Spaces Handicap Spaces Total Spaces Loading Spaces Bicycle Spaces Surface Type Section H: Landscape Buffer Location (North, South, Street, Street (Fordham Bivd.))	8 1 9 0 4 Asphalt	Minimum W	12 1 12 0 4 4 Proposed V 20'/5'	Width Alte	1 12 0 4 4 Final Branch	suffer s	Mod	dify Buffer ☑ Yes

CONSTRUCTION DOCUMENTS FIFTH THIRD BANK 1800 FORDHAM BLVD.

PIN: 9799-68-5750 S&ME PROJECT NO. 213004 CHAPEL HILL, NC APRIL 22, 2022



<u>ARCHITECT</u> <u>OWNER/DEVELOPER</u>

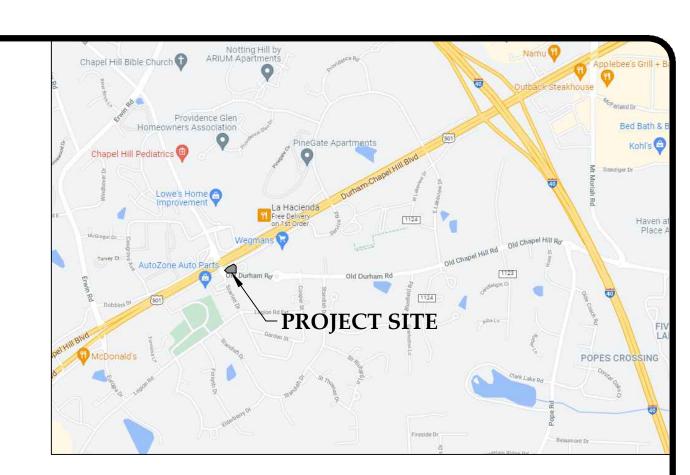






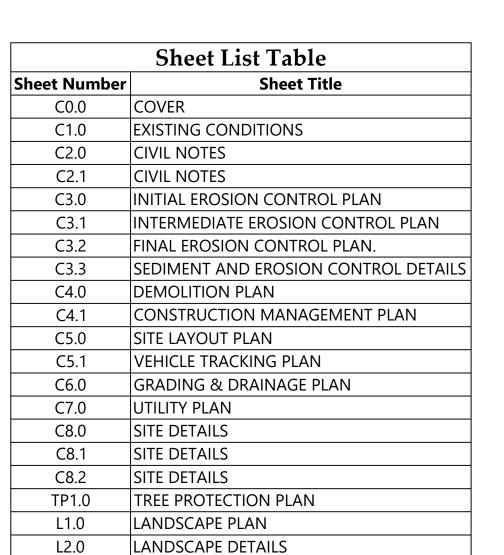
CIVIL ENGINEER/LANDCSAPE ARCHITECTURE

658 GRASSMERE PARK DRIVE SUITE 100 NASHVILLE, TN 37211 (615) 385-4144

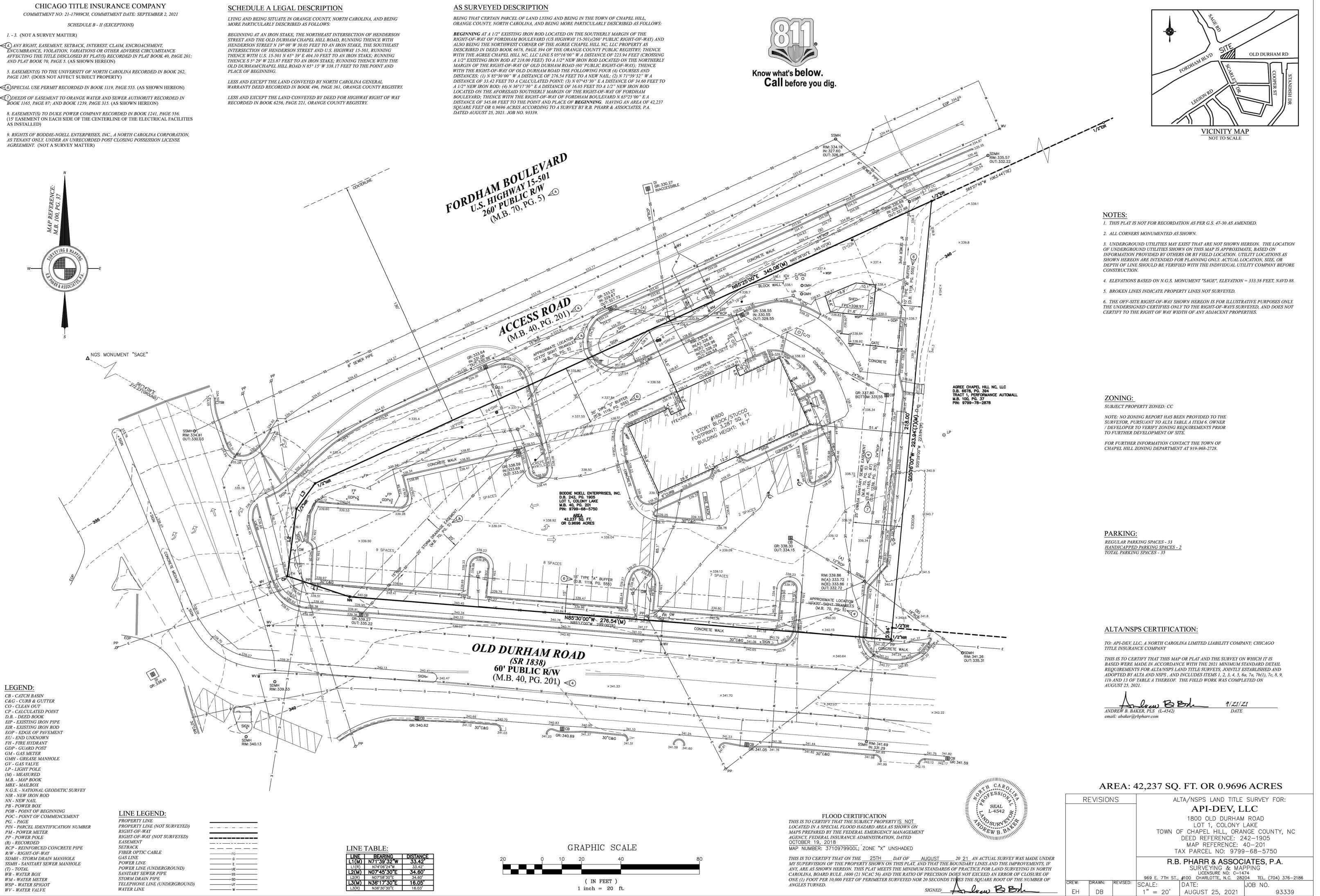


VICINITY MAP

NOT TO SCALE



CO.0 COVER



PLOTTED: 12/21/2021

GENERAL NOTES

- 1. THE PROJECT SITE IS SHOWN ON JURISDICTION, TAX PARCEL NO. 9799-68-5750.
- ANY WORK UNACCEPTABLE TO THE OWNER'S REPRESENTATIVE OR TO THE LOCAL GOVERNING AUTHORITY SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 3. THE CONTRACTOR SHALL CONFORM TO ALL LOCAL CODES AND RECEIVE APPROVAL WHERE NECESSARY BEFORE CONSTRUCTION.
- 4. BASE INFORMATION WAS TAKEN FROM A SURVEY PREPARED BY R.B. PHARR & ASSOCIATES, P.A.DATED AUGUST 25, 2021. S&ME INC. AND ANY OF THEIR CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY AND/OR COMPLETENESS OF THAT INFORMATION SHOWN HEREON OR ANY ERRORS OR OMISSIONS RESULTING FROM SUCH.
- THE CONTRACTOR SHALL CHECK ALL EXISTING CONDITIONS, (i.e. INVERTS, UTILITY ROUTINGS, UTILITY CROSSINGS, AND DIMENSIONS) IN THE FIELD PRIOR TO COMMENCEMENT OF WORK. REPORT ANY DISCREPANCIES TO THE ENGINEER.
- 6. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY. THE CONTRACTOR SHALL CALL NATIONAL ONE CALL (811) 72 HOURS PRIOR TO PROCEEDING WITH ANY EXCAVATION.

EROSION CONTROL NOTES:

- 1. THE DISTURBED AREA FOR THIS PROJECT IS APPROXIMATELY ±1.15 ACRES.
- 2. THE SUBJECT PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD ZONE ACCORDING TO COMMUNITY PANEL NO. 9799 OF THE F.E.M.A. FLOOD INSURANCE RATE MAPS FOR ORANGE COUNTY, NORTH CAROLINA, WITH AN EFFECTIVE DATE OF OCTOBER 19, 2018.
- 3. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY BUT MUST BE REPLACED AT THE END OF THE WORKDAY.
- 4. PROVIDE TEMPORARY CONSTRUCTION ACCESS(ES) AT THE POINT(S) WHERE CONSTRUCTION VEHICLES EXIT THE CONSTRUCTION AREA. MAINTAIN PUBLIC ROADWAYS FREE OF TRACKED MUD AND DIRT.
- THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; THE DATES WHEN STABILIZATION MEASURES ARE INITIATED; INSPECTION RECORDS AND RAINFALL RECORDS.
- 6. THE CONTRACTOR SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE OR USE A REFERENCE SITE FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION.
- 7. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 10 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
- 8. CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.
- 9. SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES IS TO BE PLACED AT A SITE APPROVED BY THE ENGINEER. IT SHALL BE TREATED IN A MANNER SO THAT THE AREA AROUND THE DISPOSAL SITE WILL NOT BE CONTAMINATED OR DAMAGED BY THE SEDIMENT IN THE RUN-OFF. THE CONTRACTOR SHALL OBTAIN THE DISPOSAL SITE AS PART OF THIS WORK.
- 10. SEDIMENT SHOULD BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION PONDS AND OTHER SEDIMENT CONTROLS AS NECESSARY AND MUST BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50% OR AS DIRECTED BY OWNERS REPRESENTATIVE.
- 11. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL GOVERNING AGENCY OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- 12. THE CONTRACTOR SHALL REMOVE THE TEMPORARY EROSION AND WATER POLLUTION CONTROL DEVICES ONLY AFTER A SOLID STAND OF GRASS HAS BEEN ESTABLISHED ON GRADED AREAS AND WHEN IN THE OPINION OF THE JURISDICTION HAVING AUTHORITY'S REPRESENTATIVE, THEY ARE NO LONGER NEEDED.
- 13. SOD ALL DISTURBED AREAS AS SOON AS POSSIBLE AFTER FINAL GRADING IS COMPLETED, UNLESS OTHERWISE INDICATED. CONTRACTOR SHALL TAKE WHATEVER MEANS NECESSARY TO ESTABLISH PERMANENT SOIL STABILIZATION.

TREE PROTECTION NOTES

- PRIOR TO CONSTRUCTION ACTIVITY, THE GENERAL CONTRACTOR SHALL STAKE THE LIMITS OF CLEARING, GRADING AND BUILDING FOOTPRINTS THAT AFFECT THE TREE PRESERVATION AREAS.
- 2. THE LOCATION OF TREE PROTECTION MEASURES SHALL BE REVIEWED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION COMMENCING. TREE PROTECTION BARRICADES SHALL CONSIST OF ORANGE PLASTIC BARRIER CONSTRUCTION FENCING, AND SHALL BE INSTALLED IN LOCATIONS AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
- 3. CONTRACTOR SHALL INSTALL ADEQUATE TREE PROTECTION MEASURES PRIOR TO ANY GRADING ACTIVITIES TO PREVENT CONSTRUCTION ACTIVITIES WITHIN PROXIMITY OF SPECIMEN TREES.
- 4. ALL GRADING WITHIN PROTECTED-ROOT-ZONE AREAS SHALL BE DONE BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE.
- 5. ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE GROUND AND COVERED WITH BACKFILL AS SOON AS POSSIBLE. IF EXPOSED ROOTS ARE NOT COVERED WITHIN 24 HOURS, COVER THEM WITH MULCH AND THOROUGHLY WATER UNTIL COVERED WITH BACKFILL.
- 6. DO NOT OPERATE OR STORE HEAVY EQUIPMENT, NOR HANDLE OR STORE MATERIALS, WITHIN THE DRIP LINES OF TREES TO BE PRESERVED.
- 7. WHENEVER GRADING OR EXCAVATION IS DIRECTED WITHIN THE CANOPY COVERAGE AREA OF A TREE TO BE PRESERVED, FIRST CUT ROOTS USING A "DITCH WITCH" OR SIMILAR DEVICE TO PROVIDE CLEAN CUT OF ROOTS AT LIMITS OF ACTIVITY (PRIOR TO USE OF BACKHOE OR BULLDOZER). DO NOT ALLOW HEAVY EQUIPMENT WITHIN THE AREA BETWEEN CUT LINE AND TRUNK OF TREE. TRENCHES TO BE BACKFILLED AND TAMPERED TO MINIMIZE SETTLEMENT.
- 8. BARRICADES SHALL ENCROACH ON AREAS TO BE PAVED UNTIL PAVING AND/OR GRADE ADJUSTMENT ACTIVITIES BEGIN. ONLY THEN SHALL BARRICADES BE MOVED TO THE MAXIMUM ALLOWABLE PROTECTED ROOT TREE SAVE ZONE THAT WILL NOT ENCROACH ON THE PLANNED CONSTRUCTION. REMOVAL OF BARRICADE SHALL OCCUR ONLY AFTER PAVING IS COMPLETED AND CURBING IS INSTALLED, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

TREE PROTECTION NOTES CONT.

- 9. PROVIDE WATERING OF SPECIMEN TREES DURING CONSTRUCTION WHEN PERIODS OF DROUGHT EXCEED SEVEN DAYS. UTILIZE OSCILLATING TYPE SPRINKLERS TO COVER ENTIRE PROTECTED ROOT ZONE FOR FOUR HOURS EACH WEEK.
- 10. ROOT AREA OF TREES WHERE SOIL HAS BEEN COMPACTED DUE TO CONSTRUCTION ACTIVITY SHALL BE VERTICALLY MULCHED (AERATED) AT DIRECTION OF LANDSCAPE ARCHITECT. THIS SHALL BE ACCOMPLISHED BY AUGURING THE SOIL IN A 2' GRID PATTERN TO WITHIN 3' OF TRUNK AND TO 10' BEYOND THE DRIP LINE. A 2" TO 3" HAND OPERATED AUGUR SHALL BE USED TO DRILL HOLES TO A MINIMUM DEPTH OF 12". TYPE OF BACKFILL WILL BE DETERMINED BY THE QUALIFIED PROFESSIONAL.
- 11. HEAVY ACCUMULATION OF DUST FROM CONSTRUCTION ACTIVITY MAY OCCUR ON THE SURFACE OF TREE FOLIAGE. TO CONTROL DUST, TREE FOLIAGE MAY BE HOSED DOWN UPON THE REQUEST OF THE QUALIFIED PROFESSIONAL
- 12. REMOVAL OF ALL TREE PROTECTION FENCING, SILT FENCING AND SIGNAGE WILL BE DONE BY THE GENERAL CONTRACTOR WHEN PERMITTED BY THE LOCAL CODE ENFORCEMENT OFFICIALS. RESTORATION OF ALL AREAS DISTURBED BY THE FENCING AND/OR SIGNAGE WILL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY.

DEMOLITION NOTES

- 1. ALL MATERIALS BEING REMOVED AND NOT RELOCATED UNDER THE NEW CONSTRUCTION, INCLUDING TREES AND SHRUBS, SIGNS, UTILITY STRUCTURES, LIGHTING STANDARDS, ETC., SHALL BE FIRST OFFERED TO THE OWNER'S REPRESENTATIVE AND IF NOT ACCEPTED SHALL THEN BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
- 2. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL CHARTED AND UNCHARTED UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN OR REQUIRED TO REMAIN IN SERVICE UNTIL REPLACEMENT. REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT THE CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
- 3. THE CONTRACTOR SHALL VERIFY THE LIMITS OF DEMOLITION WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK.
- 4. IN AREAS WHERE EXISTING PAVEMENT, WALKS, OR CURBS ARE TO BE REMOVED, SAW CUT TO PROVIDE A CLEAN EDGE. COORDINATE EXTENT OF PAVEMENT DEMOLITION WITH THE LIMIT OF NEW IMPROVEMENTS ON THE SITE LAYOUT PLAN & UTILITY INSTALLATION.
- 5. CONTRACTOR SHALL COORDINATE PHASING OF THE DEMOLITION WITH THE OWNER'S REPRESENTATIVE AND LOCAL GOVERNING AGENCY PRIOR TO BEGINNING WORK. DISRUPTION OF EXISTING UTILITY SERVICES AND TRAFFIC PATTERNS SHALL BE MINIMIZED TO THE EXTENT POSSIBLE AND INITIATED ONLY AFTER APPROVAL BY THE LOCAL GOVERNING AGENCY AND THE UTILITY COMPANIES.
- 6. CAVITIES LEFT BY STRUCTURE REMOVAL SHALL BE SUITABLY BACKFILLED AND COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS.
- 7. THE CONTRACTOR SHALL USE WATER SPRINKLING AND OTHER SUITABLE METHODS AS NECESSARY TO CONTROL DUST AND DIRT CAUSED BY THE DEMOLITION WORK.
- 8. THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL NECESSARY TO ACCOMPLISH THE PROPOSED IMPROVEMENTS SHOWN ON THESE PLANS.
- 9. THE CONTRACTOR SHALL PRESERVE AND PROTECT SURVEY CONTROL POINTS AND SHALL BE RESPONSIBLE FOR REPLACEMENT OF ANY DISTURBED CONTROL POINTS.
- 10. RELOCATION OF EXISTING PLANT MATERIALS SHALL BE COORDINATED WITH THE OWNER AND RELOCATED
- TO A DESIGNATED AREA ON SITE.

 11. EXISTING TREES TO BE PRESERVED ARE TO BE BARRICADED BEFORE BEGINNING CONSTRUCTION IN
- 12. NO UTILITY OR STORM SEWER LINES SHALL BE DEMOLISHED UNTIL THE NEW LINES HAVE BEEN INSTALLED

REQUIRED TO CONSTRUCT NEW UTILITY LINES AND DEMOLISH EXISTING UTILITY LINES.

- 13. THE CONTRACTOR SHALL INCORPORATE INTO THEIR WORK ANY ISOLATION VALVES OR TEMPORARY PLUGS
- 14. SELECTIVE CLEARING CONSISTING OF REMOVAL OF VINES, SAPLINGS UNDER 1" DIAMETER AND UNDERBRUSH SHALL BE PERFORMED IN TREE PRESERVATION AREAS INTERNAL TO THE PROJECT AND NOTED ON PLANS.
- 15. WHERE WATER LINE AND SEWER LINE ABANDONMENT IS PLANNED, THE CONTRACTOR MAY ABANDON WATER LINES AND SEWER LINES IN PLACE WHERE THEY OCCUR AT LEAST 24" (TO TOP OF PIPE) BELOW FINAL SUBGRADE ELEVATIONS AND OUTSIDE THE BUILDING FOOT PRINT. ALL UTILITY LINES BEING ABANDONED IN PLACE SHALL HAVE ALL ENDS PERMANENTLY CLOSED USING A CONCRETE PLUG.
- 16. WHERE EXISTING IRRIGATION LINES LIE WITHIN THE AREA AFFECTED BY THE PROPOSED CONSTRUCTION, THE CONTRACTOR SHALL REWORK THE EXISTING IRRIGATION SYSTEMS IN ACCORDANCE WITH DIRECTIVES NOTED ON THE LANDSCAPE PLAN. SERVICE SHALL BE MAINTAINED DURING CONSTRUCTION TO THE LANDSCAPED AREAS CURRENTLY IRRIGATED.

SITE LAYOUT NOTES

THE SITE LAYOUT IS BASED ON REFERENCE POINTS AS NOTED.

ACCORDANCE WITH THE TREE PROTECTION NOTES.

AND ARE PLACED INTO OPERATION.

- 2. THE PROPOSED BUILDING SHALL BE LAID OUT UTILIZING THE EXISTING STRUCTURE AS A CONTROL POINT AND THE ARCHITECTURAL DRAWINGS. DIMENSIONS SHOWN TO THE PROPOSED BUILDING ARE CALCULATED TO THE FACE OF EXTERIOR WALL. SEE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS.
- 3. DIMENSIONS ARE TO FACE OF CURB AND/OR EXTERIOR FACE OF BUILDING UNLESS OTHERWISE NOTED.
- 4. PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. SLIGHT FIELD ADJUSTMENT OF FINAL GRADES MAY BE NECESSARY.
- 5. THE CONTRACTOR WILL BE REQUIRED TO ADJUST GRADES OF INTERSECTING STREETS, ALLEYS, PUBLIC ENTRANCES AND PRIVATE DRIVES AS DIRECTED BY THE ENGINEER.
- 6. ALL CURBING WILL BE REQUIRED TO ADJUST TO THE GRADES OF INTERSECTING STREETS, ALLEYS, PUBLIC ENTRANCES, AND PRIVATE DRIVES AS DIRECTED BY THE ENGINEER.
- 7. CURBS SHALL BE PARALLEL TO THE CENTERLINE OF DRIVES. THE CURB SHALL BE PLACED ONLY AFTER HAVING ALL BREAK POINTS (PC & PT OF CURVES) LOCATED AT THE FACE OF CURB OR AT A CONSISTENT OFFSET BY A REGISTERED LAND SURVEYOR.
- 8. ACCESSIBLE RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1 HORIZONTAL : 12 VERITCAL. GRADES WITHIN ACCESSIBLE PARKING SPACES SHALL BE MAXIMUM 2% IN ALL DIRECTIONS.
- 9. CONCRETE FOR CURBS AND SIDEWALKS SHALL BE 3500 PSI CONCRETE.
- 10. THE CONTRACTOR SHALL COLD PLANE IN THE DIRECTION OF TRAFFIC.
- 11. THE CONTRACTOR SHALL PAVE IN THE DIRECTION OF TRAFFIC.

SITE GRADING & DRAINAGE NOTES

INDICATED ON THE PLANS.

- THE CONTRACTOR SHALL CHECK ALL EXISTING GRADES AND DIMENSIONS IN THE FIELD PRIOR TO BEGINNING WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
- 2. THE CONTRACTOR SHALL ADJUST THE CASTINGS OF ALL NEW AND EXISTING STRUCTURES TO MATCH PROPOSED FINISH GRADES.
- 3. PROPOSED CONTOUR LINES AND SPOT ELEVATIONS ARE THE RESULT OF AN ENGINEERED GRADING DESIGN AND REFLECT A PLANNED INTENT WITH REGARD TO DRAINAGE AND MOVEMENT OF MATERIALS. SHOULD THE CONTRACTOR HAVE ANY QUESTION OF THE INTENT OR ANY PROBLEM WITH THE CONTINUITY OF GRADES. THE ENGINEER SHALL BE CONTACTED IMMEDIATELY.
- CONTINUITY OF GRADES, THE ENGINEER SHALL BE CONTACTED IMMEDIATELY.

 4. ALL CUT AND FILL SLOPES SHALL BE 3 HORIZONTAL TO 1 VERTICAL OR FLATTER UNLESS OTHERWISE
- 5. ALL PIPES UNDER EXISTING PAVED AREAS SHALL BE BACKFILLED TO THE TOP OF SUBGRADE WITH CRUSHED STONE
- 6. MINIMUM GRADE ON ASPHALT OR CONCRETE PAVING SHALL BE 1.0%.
- 7. IF ANY SPRINGS OR UNDERGROUND STREAMS ARE EXPOSED DURING CONSTRUCTION PERMANENT FRENCH DRAINS MAY BE REQUIRED. THE DRAINS SHALL BE SPECIFIED AND LOCATED DURING CONSTRUCTION AS REQUIRED BY THE CONDITIONS WHICH ARE ENCOUNTERED, AND SHALL BE APPROVED BY THE ENGINEER.
- 8. THIS GRADING & DRAINAGE PLAN IS NOT A DETERMINATION OR GUARANTEE OF THE SUITABILITY OF THE SUBSURFACE CONDITIONS FOR THE WORK INDICATED. A GEOTECHNICAL REPORT HAS BEEN PREPARED AND IS AVAILABLE FROM THE OWNER. DETERMINATION OF THE SUITABILITY OF THE SUBSURFACE CONDITIONS FOR THE WORK INDICATED IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
- 9. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO COMPACT FILL SUFFICIENTLY AROUND AND OVER ALL PIPES, STRUCTURES, VALVE STEMS, ETC., INSIDE THE PROPOSED PAVED AREAS TO AVOID SETTLEMENT. ANY SETTLEMENT DURING THE WARRANTY PERIOD SHALL BE RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 10. IN NO CASE SHALL SLOPE, HEIGHT, SLOPE INCLINATION, OR EXCAVATION DEPTH, INCLUDING TRENCH CONSTRUCTION, EXCEED THOSE SPECIFIED IN LOCAL, STATE AND FEDERAL REGULATIONS, SPECIFICALLY THE CURRENT OSHA HEALTH AND SAFETY STANDARDS FOR EXCAVATIONS (29 CRF PART 1926) SHALL BE FOLLOWED.
- 11. DO NOT DISTURB VEGETATION OR REMOVE TREES EXCEPT WHEN NECESSARY FOR GRADING PURPOSES.
- 12. STRIP TOPSOIL FROM ALL CUT AND FILL AREAS AND STOCKPILE UPON COMPLETION OF GENERAL GRADING OVER ALL DISTURBED AREAS, TO A MINIMUM DEPTH OF 6". CONTRACTOR SHALL SUPPLY ADDITIONAL TOP SOIL IF INSUFFICIENT QUANTITIES EXIST ON SITE.
- 13. TOP OF GRATE ELEVATIONS AND LOCATION OF COORDINATES FOR DRAINAGE STRUCTURES SHALL BE AS SHOWN ON THE DETAIL, UNLESS NOTED OTHERWISE. THE GRATES SHALL SLOPE LONGITUDINALLY WITH THE PAVEMENT GRADES.
- 14. ALL DRAINAGE CONSTRUCTION INSTALLATION SHALL CONFORM TO THE REQUIREMENTS AND SPECIFICATIONS OF THE LOCAL GOVERNING AGENCY.
- 15. POSITIVE DRAINAGE SHALL BE ESTABLISHED AS THE FIRST ORDER OF WORK AND SHALL BE MAINTAINED AT ALL TIMES DURING AND AFTER CONSTRUCTION. SOIL SOFTENED BY PERCHED WATER IN FOUNDATION AND PAVEMENT AREAS MUST BE UNDERCUT AND REPLACED WITH SUITABLE FILL MATERIALS APPROVED BY THE GEOTECHNICAL ENGINEER. GROUNDWATER INFILTRATION INTO EXCAVATIONS SHOULD BE EXPECTED, AND THE WATER SHALL BE REMOVED USING GRAVITY DRAINAGE OR PUMPING.
- 16. REINFORCED CONCRETE STORM DRAINAGE PIPE SHALL BE CLASS III, WALL "B". HDPE SHALL BE CORRUGATED, SMOOTH WALL N-12 PIPE WITH SOIL TIGHT JOINTS.
- 17. FILL SLOPES 3 HORIZONTAL :1 VERTICAL AND GREATER SHALL BE PLACED AND COMPACTED 5' BEYOND PROPOSED LIMITS AND THEN EXCAVATED BACK TO THE PROPOSED LOCATION.
- 18. THE CONTRACTOR SHALL PROVIDE AN ASBUILT SURVEY STAMPED BY A LICENSED SURVEYOR IN THE STATE OF NORTH CAROLINA OF ALL STORM SYSTEMS, ONSITE DETENTION PONDS, AND WATER QUALITY MEASURES VERIFYING COMPLIANCE WITH DESIGN DOCUMENTS.
- 19. THE LOCATION OF ALL DIVERSION SWALES AND DITCHES SHALL BE FIELD ADJUSTED TO AVOID TREES AS POSSIBLE. THE CONTRACTOR SHALL WALK THE ALIGNMENT OF THESE SWALES AND DITCHES IN THE FIELD TO VERIFY AVOIDANCE OF TREES, AND NOTIFY THE OWNERS REPRESENTATIVE OF SWALE WALK.
- 20. STOCKPILED TOPSOIL OR FILL MATERIAL IS TO BE TREATED SO THE SEDIMENT RUN-OFF WILL NOT CONTAMINATE SURROUNDING AREAS OR ENTER NEARBY STREAMS.
- 21. ANY SITE USED FOR DISPOSAL AND/OR STOCKPILE OF ANY MATERIAL SHALL BE PROPERLY PERMITTED FOR SUCH ACTIVITY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SEE THAT ALL REQUIRED PERMITS ARE SECURED FOR EACH PROPERTY UTILIZED. A COPY OF THE APPROVED PERMIT MUST BE PROVIDED TO THE INSPECTOR PRIOR TO COMMENCEMENT OF WORK ON ANY PROPERTY. FAILURE TO DO SO MAY RESULT IN THE CONTRACTOR REMOVING ANY ILLEGALLY PLACED MATERIAL AT HIS OWN EXPENSE.
- 22. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO WASTE EXCESS EARTH MATERIAL OFF SITE AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL FIRST OFFER THE EXCESS MATERIAL TO THE OWNER. IF NOT ACCEPTED BY THE OWNER, THE CONTRACTOR SHALL DISPOSE OF EARTH MATERIAL OFF SITE. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO IMPORT SUITABLE MATERIAL (AT NO ADDITIONAL COST TO THE OWNER) FOR EARTHWORK OPERATIONS IF SUFFICIENT AMOUNTS OF EARTH MATERIAL ARE NOT AVAILABLE ON SITE.
- 23. SEGMENTAL WALLS SHALL BE PROVIDED BY THE CONTRACTOR AS A DESIGN BUILD. WALL DESIGN PLANS STAMPED BY A REGISTERED ENGINEER IN THE STATE OF THE PROJECT SHALL BE SUBMITTED TO THE ENGINEER AS A SHOP DRAWING. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY GEOTECHNICAL INFORMATION NECESSARY TO PROPERLY DESIGN THE WALL.

GEOTECHINCAL NOTES

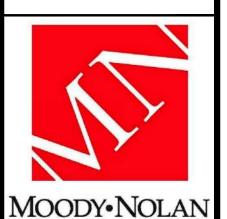
- A GEOTECHNICAL REPORT FOR THE SITE HAS BEEN PREPARED BY GEOTECHNICAL ENGINEER. DATED MAY XX, XXXX. REFER TO REPORT FOR RECOMMENDATIONS.
- ALL FILL MATERIAL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. THIS
 MATERIAL SHALL BE PLACED IN LIFTS DIRECTED BY THE GEOTECHNICAL ENGINEER AND COMPACTED AS
 SPECIFIED BY THE GEOTECHNICAL ENGINEER.
- 3. WHERE DRAINAGE OR UTILITY LINES OCCUR IN PROPOSED FILL AREAS, THE FILL MATERIAL IS TO BE PLACED AND COMPACTED PRIOR TO INSTALLATION OF DRAINAGE OR UTILITY LINES. FILL IS TO BE INSPECTED BY A PROFESSIONAL GEOTECHNICAL ENGINEER TESTING FIRM EMPLOYED BY THE OWNER. RESULTS OF THE TEST SHALL BE FURNISHED TO THE OWNER'S REPRESENTATIVE. CONTRACTOR TO PAY FOR ANY RETESTING.
- 4. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO COMPACT FILL SUFFICIENTLY AROUND AND OVER ALL PIPES, STRUCTURES, VALVE STEMS, ETC., INSIDE THE PROPOSED PAVED AREAS TO AVOID SETTLEMENT. ANY SETTLEMENT DURING THE WARRANTY PERIOD SHALL BE RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- 5. ALL EARTHWORK, INCLUDING THE EXCAVATED SUBGRADE AND EACH LAYER OF FILL, SHALL BE MONITORED AND APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER, OR HIS REPRESENTATIVE.

SITE UTILITY NOTES

- 1. THE SANITARY SEWER SHALL BE OF THE MATERIAL INDICATED ON THE PLAN. POLYVINYLCHLORIDE (PVC) SHALL BE (SDR35). DUCTILE IRON PIPE (D.I.P.) SHALL BE CLASS 52.
- 2. ALL WATER LINES, SEWER LINES, AND APPURTENANCES SHALL BE OF MATERIALS AND CONSTRUCTION THAT CONFORM TO THE LOCAL AGENCY STANDARDS AND SPECIFICATIONS.
- 3. PROVIDE A MINIMUM 36" OF COVER OVER ALL WATER LINES.
- 4. THE CONTRACTOR SHALL MAINTAIN 10 FEET HORIZONTAL SEPARATION BETWEEN SANITARY SEWER LINES AND WATER LINES. WHERE THESE CRITERIA CANNOT BE MET, THE CONTRACTOR SHALL MAINTAIN 18" VERTICAL SEPARATION BETWEEN WATER AND SEWER LINES.
- 5. THE CONTRACTOR SHALL FIELD VERIFY THE EXACT HORIZONTAL AND VERTICAL LOCATION OF EXISTING MANHOLES OR SANITARY SEWER LINES AT THE POINT OF CONNECTION PRIOR TO THE COMMENCEMENT OF ORDERING OF MATERIALS, CONSTRUCTION OR REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE SEQUENCING OF CONSTRUCTION FOR ALL UTILITY LINES SO THAT WATER LINES DO NOT CONFLICT WITH SANITARY SEWERS, SANITARY SEWER SERVICES, STORM SEWERS, OR ANY OTHER UTILITY OR STRUCTURE, EXISTING OR PROPOSED.
- 7. THE LOCATION OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY.
- 8. BEFORE CONNECTIONS ARE MADE INTO EXISTING UTILITIES, THE NEW LINES ARE TO BE FLUSHED AND TESTED BY THE CONTRACTOR IN ACCORDANCE WITH THE LOCAL WATER AND SEWER DEPARTMENT SPECIFICATIONS.
- 9. ALL TRENCHES CUT IN EXISTING ROADS OR DRIVES SHALL UTILIZE A CLEAN SAW CUT AND SHALL BE BACKFIELD (100%) TO FINAL SUBGRADE WITH #57 STONE. REPAIR ROADS PER LOCAL AGENCY REQUIREMENTS.
- 10. REPAIR ALL DAMAGE TO EXISTING FEATURES (i.e. DRIVES, ROADS, YARDS, LANDSCAPING, ETC...) TO PRE-CONSTRUCTION CONDITION.
- 11. THE CONTRACTOR SHALL PROVIDE ALL HORIZONTAL AND VERTICAL BENDS TO ATTAIN THE ALIGNMENT INDICATED ON THE PLANS. PROVIDE VERTICAL BENDS WHERE NECESSARY TO ALLOW WATER LINES TO PASS UNDER OR OVER OTHER UTILITY LINES. (ALL BENDS AND BRACES NEEDED MAY NOT BE ACTUALLY SHOWN). PROVIDE BRACING AND/OR RODDING AT ALL BENDS AND TEES AS REQUIRED BY WATER DEPARTMENT.
- 12. REDUCED PRESSURE BACKFLOW PREVENTER (RPBP) OR DUAL CHECK WILL BE REQUIRED ON ALL TESTS AND FILL LINES (JUMPER) NEEDED FOR WATER MAIN CONSTRUCTION AND MUST BE APPROVED BY THE WATER
- 13. COORDINATE THE EXACT LOCATION OF ALL UTILITIES ENTERING THE BUILDING WITH THE PLUMBING PLANS.
- 14. THE CONTRACTOR SHALL VERIFY REQUIRED PIPE LENGTHS. EXISTING PIPE MATERIAL AND SIZES AS SHOWN
- 15. REPAIR EXISTING PAVEMENT, CURBS, WALKS, LANDSCAPING, ETC. THAT ARE DAMAGED BY CONSTRUCTION ACTIVITIES TO A LIKE NEW CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- 16. THE PROPOSED GAS LINE CONSTRUCTION AND INSTALLATION SHALL BE COORDINATED WITH THE LOCAL GAS COMPANY BY THE CONTRACTOR.
- 17. THE PROPOSED ELECTRIC LINE CONSTRUCTION AND INSTALLATION SHALL BE COORDINATED WITH THE LOCAL ELECTRIC COMPANY BY THE CONTRACTOR.
- 18. THE PROPOSED COMMUNICATION LINE CONSTRUCTION AND INSTALLATION SHALL BE COORDINATED WITH THE LOCAL COMMUNICATION SERVICE PROVIDER BY THE CONTRACTOR.
- 19. THE CONTRACTOR SHALL ADJUST THE ALIGNMENT OF THE WATER LINES (HORIZONTALLY AND/OR VERTICALLY) TO ALLOW THE REQUIRED BRACING AT BENDS AND TEES.
- 20. EXISTING CASTINGS LOCATED IN FILL/CUT AREAS SHALL BE ADJUSTED TO ENSURE THAT THE TOP OF CASTING IS FLUSH WITH THE FINISHED GRADE.
- 21. THE OUTSIDE OF ALL MANHOLES SHALL BE COATED WITH BITUMINOUS PAINT
- 22. THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT AT NO ADDITIONAL COST TO THE OWNER.
- 23. PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS.
- 24. ALL CONNECTIONS TO EXISTING MANHOLES SHALL BE BY THE CORING AND RESILIENT SEAL METHOD.
- 25. FIRE HYDRANT ASSEMBLIES INCLUDE THE APPROPRIATE SIZED TEE (WITH KICKER), 6" LINE TO HYDRANT, 6" GATE VALVE (WITH VALVE BOX), AND FIRE HYDRANT (WITH KICKER). HYDRANTS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS.
- 26. THE CONCRETE CAPS AND ENCASEMENTS ON WATER AND SEWER LINES SHALL BE A MINIMUM OF 6" THICK. USE 3000 PSI CONCRETE.
- 27. CONTRACTOR SHALL MARK THE LOCATION OF ALL NEW PVC LINES WITH #8 WIRE
- 28. BACKFLOW PREVENTION DEVICE FOR THE DOMESTIC WATER SERVICE SHALL BE LOCATED INSIDE THE BUILDING, SEE PLUMBING PLANS.
- 29. SIAMESE STAND PIPE TO BE GALVANIZED STEEL.
- 30. SEWER SERVICES TO BE 6" DIAMETER PVC AT A MINIMUM SLOPE OF 1.0% UNLESS SHOWN OTHERWISE ON THE DRAWINGS. LINES SHALL START 5' BEYOND THE BUILDINGS. COORDINATE CONNECTION POINTS WITH THE BUILDING PLUMBING DRAWINGS. PROVIDE A MINIMUM 30" OF COVER OVER ALL SEWER SERVICES IN GRASS AREAS AND 48" OF COVER IN PAVED AREAS.
- 31. ALL FIRE LINES SHALL BE INSTALLED BY A SPRINKLER CONTRACTOR LICENSED IN THE STATE OF THE PROJECT.
- 32. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF THE STORM DRAIN CONNECTIONS AT THE BUILDING WITH THE PLUMBING PLANS
- 33. EXISTING PAVEMENT OF PUBLIC ROADWAYS SHALL BE PATCHED IN ACCORDANCE WITH LOCAL AGENCY STANDARDS WHEREVER UTILITY INSTALLATION REQUIRES REMOVAL OF THE EXISTING PAVEMENT. COORDINATE PAVEMENT TRENCHING LOCATIONS WITH SITE CIVIL, PLUMBING AND ELECTRICAL PLANS.
- 34. THE CONTRACTOR SHALL PROVIDE AN AS-BUILT SURVEY STAMPED BY A LICENSED SURVEYOR IN THE STATE OF [PROJECT STATE] OF ALL SANITARY SEWER AND WATER PROJECT ELEMENTS, VERIFYING COMPLIANCE WITH THE DESIGN DOCUMENTS. THE CONTRACTOR SHALL ALSO CONFER WITH THE LOCAL GOVERNING AGENCY PRIOR TO THE BEGINNING OF CONSTRUCTION TO DETERMINE WHAT CLOSEOUT DOCUMENTS THEY MAY REQUIRE (SPECIFIC AS-BUILT REQUIREMENTS, TESTS, REPORTS, INSPECTIONS, ETC.).



658 GRASSMERE PARK DRIVE SUITE 100 NASHVILLE, TN 37211 (615) 385-4144



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NC NO. DATE DESCRIPTION BY CHAP

1800

213004

DRAWING NUMBER

PROJECT NUMBER

C2.0

FIRE PROTECTION NOTES

- 1. PRIVATE FIRE SERVICE MAINS AND APPURTENANCES SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 24. 2018 NCFC SECTION 507.
- 2. ALL CONSTRUCTION AND DEMOLITION CONDUCTED SHALL BE IN COMPLIANCE OF THE CURRENT EDITION OF THE NC FIRE CODE. 2018 NCFC CHAPTER 33.
- DURING CONSTRUCTION AND DEMOLITION WHERE HOT WORK, MATERIALS SUBJECT TO SPONTANEOUS COMBUSTION, OR OTHER HAZARDOUS CONSTRUCTION OR DEMOLITIONS OCCURRING, THE OWNER OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR MAINTAINING A FIRE WATCH. THE FIRE WATCH SHALL CONSIST OF AT LEAST ONE PERSON WITH A MEANS OF COMMUNICATING AN ALARM TO 911, SHALL HAVE WRITTEN ADDRESS POSTED IN A CONSPICUOUS LOCATION, AND SHALL MAINTAIN CONSTANT PATROLS. 2018 NCFC SECTION 3304.5.
- 4. WHERE ACCESS TO OR WITHIN A STRUCTURE OR AN AREA IS RESTRICTED BECAUSE OF SECURED OPENING OR WHERE IMMEDIATE ACCESS IS NECESSARY FOR LIFESAVING OR FIRE-FIGHTING PURPOSES, THE FIRE CODE OFFICIAL IS AUTHORIZED TO REQUIRE A KEY BOX TO BE INSTALLED IN AN APPROVED LOCATION. THE KEY BOX SHALL BE OF AN APPROVED TYPE LISTED IN ACCORDANCE WITH UL 1037, AND SHALL CONTAIN KEYS TO GAIN NECESSARY ACCESS AS REQUIRED BY THE FIRE CODE OFFICIAL. 2018 NCFC 506.1.
- 5. NEW AND EXISTING BUILDINGS SHALL BE PROVIDED WITH APPROVED ADDRESS IDENTIFICATION. THE ADDRESS IDENTIFICATION CHARACTERS SHALL BE LEGIBLE AND PLACED IN A POSITION THAT IS VISIBLE FROM THE STREET OR ROAD FRONT OF THE PROPERTY. ADDRESS IDENTIFICATION CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND. ADDRESS NUMBERS SHALL BE ARABIC NUMBERS OR ALPHABETICAL LETTERS. NUMBERS SHALL NOT BE SPELLED OUT. EACH CHARACTER SHALL BE NOT LESS THAN 6 INCHES (153 MM) HIGH WITH A MINIMUM STROKE WIDTH OF 3/4 INCH (2Q MM). WHERE REQUIRED BY THE FIRE CODE OFFICIAL, ADDRESS IDENTIFICATION SHALL BE PROVIDED IN ADDITIONAL APPROVED LOCATIONS TO FACILITATE EMERGENCY RESPONSE. WHERE ACCESS IS BY MEANS OF A PRIVATE ROAD AND THE BUILDING CANNOT BE VIEWED FROM THE PUBLIC WAY, A MONUMENT, POLE, OR OTHER SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE. ADDRESS IDENTIFICATION SHALL BE MAINTAINED. 2018 NCFC 505.1.
- 6. THE FIRE CODE OFFICIAL IS AUTHORIZED TO REQUIRE THE INSTALLATION AND MAINTENANCE OF GATES OR OTHER APPROVED BARRICADES ACROSS FIRE APPARATUS ACCESS ROADS, TRAILS, OR OTHER ACCESSWAYS; NOT INCLUDING PUBLIC STREETS, ALLEYS, OR HIGHWAYS. ELECTRIC GATE OPERATORS, WHERE PROVIDED, SHALL BE LISTED IN ACCORDANCE WITH UL 325. GATES INTENDED FOR AUTOMATIC OPERATION SHALL BE DESIGNED, CONSTRUCTED, AND INSTALLED TO COMPLY WITH THE REQUIREMENTS OF ASTM F2200. 2018 NCFC SECTION 503 AND APPENDIX D103.
- 7. WHERE REQUIRED BY THE FIRE CODE OFFICIAL, APPROVED SIGNS OR OTHER APPROVED NOTICES OR MARKINGS THAT INCLUDE THE WORDS NO PARKING-FIRE LANE SHALL BE PROVIDED FOR FIRE APPARATUS ACCESS ROADS TO IDENTIFY SUCH ROADS OR PROHIBIT THE OBSTRUCTION THEREOF. THE MEANS BY WHICH FIRE LANES ARE DESIGNATED SHALL BE MAINTAINED IN A CLEAN AND LEGIBLE CONDITION AT ALL TIMES AND BE REPLACED OR REPAIRED WHEN NECESSARY TO PROVIDE ADEQUATE VISIBILITY. 2018 NCFC SECTION 503.3 AND APPENDIX D D 103.6, D 103.6.1, D 103.6.2.
- 8. TRAFFIC CALMING DEVICES SHALL BE PROHIBITED UNLESS APPROVED BY THE FIRE CODE OFFICIAL. 2018 NCFC 503.4.1
- 9. DURING CONSTRUCTION, VEHICLE ACCESS FOR FIREFIGHTING SHALL BE PROVIDED. TEMPORARY STREET SIGNS SHALL BE INSTALLED AT EACH STREET INTERSECTION WHEN CONSTRUCTION ALLOWS THE PASSAGE OF VEHICLES. SIGNS SHALL BE OF AN APPROVED SIZE, WEATHER RESISTANT, AND MAINTAINED UNTIL REPLACED BY PERMANENT SIGNS. 2018 NCFC SECTION 505.2

ORANGE COUNTY SOLID WASTE NOTES

- 1. ALL EXISTING STRUCTURES 500 SQUARE FEET AND LARGER SHALL BE ASSESSED PRIOR TO THE ISSUANCE OF A DEMOLITION PERMIT TO ENSURE COMPLIANCE WITH THE COUNTY'S REGULATED RECYCLABLE MATERIALS ORDINANCE (RRMO) AND TO ASSESS THE POTENTIAL FOR DECONSTRUCTION AND/OR THE REUSE OF SALVAGEABLE MATERIALS. CONTACT THE ORANGE COUNTY SW ENFORCEMENT OFFICER AT 919-968-2788 TO ARRANGE FOR THE ASSESSMENT.
- 2. PURSUANT TO THE COUNTY'S RRMO, CLEAN WOOD WASTE, SCRAP METAL, AND CORRUGATED CARDBOARD PRESENT IN CONSTRUCTION OR DEMOLITION WASTE MUST BE RECYCLED.
- 3. PURSUANT TO THE COUNTY'S RRMO, ALL HAULERS OF MIXED CONSTRUCTION AND DEMOLITION WASTE WHICH INCLUDES ANY REGULATED RECYCLABLE MATERIALS SHALL BE LICENSED BY ORANGE COUNTY.
- 4. PRIOR TO ANY DEMOLITION OR CONSTRUCTION ACTIVITY ON THE SITE, THE APPLICANT SHALL HOLD A PRE-DEMOLITION/PRE-CONSTRUCTION CONFERENCE WITH SOLID WASTE STAFF. THIS MAY BE THE SAME PRE-CONSTRUCTION MEETING HELD WITH OTHER DEVELOPMENT/ENFORCEMENT OFFICIALS.
- 5. THE PRESENCE IF ANY ASBESTOS CONTAINING MATERIALS ('ACM') AND/OR OTHER HAZARDOUS MATERIALS SHALL BE HANDLED IN ACCORDANCE WITH ANY AND ALL LOCAL, STATE, AND FEDERAL REGULATIONS AND

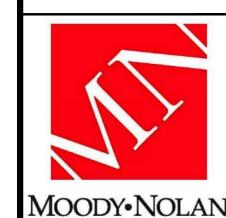
OCSW Public Recycling Waiver: *

- 1. Applicant elects to provide recycling services to residents/tenants of this property in lieu of building a recycling station constructed to Orange County specifications. The site will not receive public recycling collection now or in the future unless such a recycling station is constructed or contingency for such a station is included on the development plans.
- 2. Applicant must require at the least the same level of service (current or future) to its residents as that provided by Orange County.
- **3.** County fees for recycling and waste management associated with this project/property will not be waived.
- **4.** Applicant agrees to enter into a service agreement with a private solid waste/recycling collection contractor that is acceptable to Orange County. Further, the agreement shall provide for the collection and recycling of corrugated cardboard in addition to the other co-mingled recyclables and an executed copy of the agreement shall be provided to and approved by Orange County prior to approval of final construction plans for the property/project.

*Must Be Placed on the Development/Site Plans in a Prominent Location and for Residential Projects Must Also Be Placed in the Overall Development's **Covenants, Conditions, and Restrictions** (aka CCR's) Before Final Approval of the Plans and/or Record Plat.



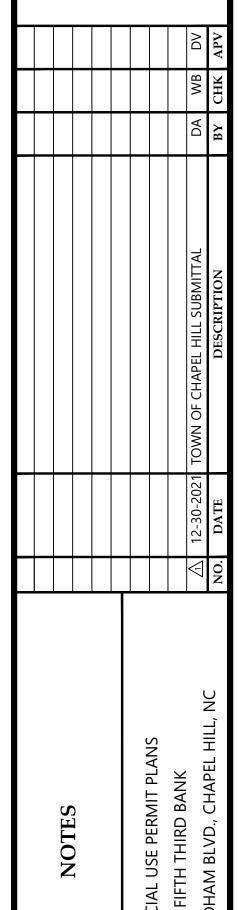
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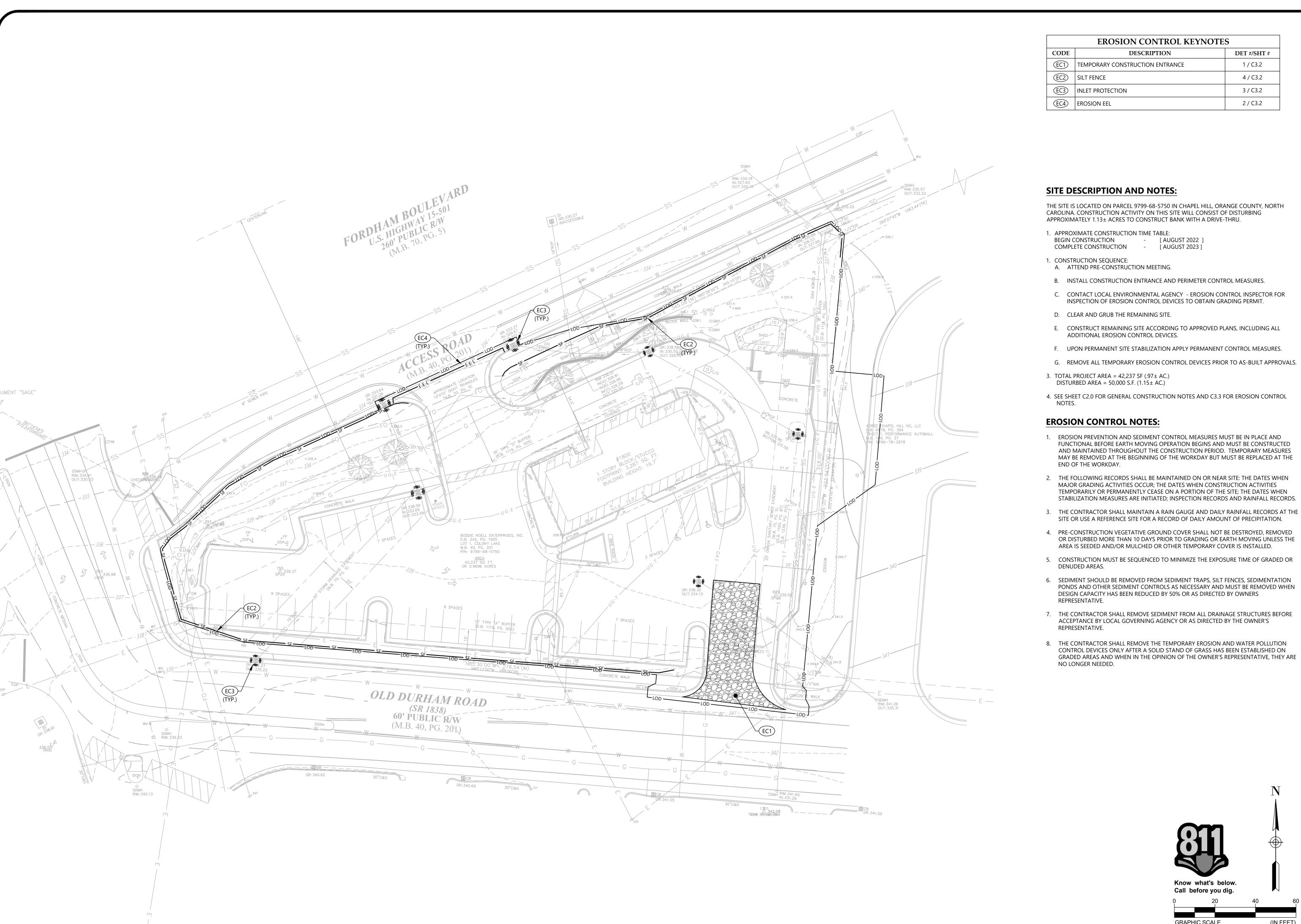




C2.0

PROJECT NUMBER
213004

DRAWING NUMBER



	EROSION CONTROL KEYNOTES						
CODE	DESCRIPTION	DET #/SHT #					
EC1)	TEMPORARY CONSTRUCTION ENTRANCE	1 / C3.2					
EC2	SILT FENCE	4 / C3.2					
EC3	INLET PROTECTION	3 / C3.2					
EC4	EROSION EEL	2 / C3.2					

- [AUGUST 2023]

C. CONTACT LOCAL ENVIRONMENTAL AGENCY - EROSION CONTROL INSPECTOR FOR INSPECTION OF EROSION CONTROL DEVICES TO OBTAIN GRADING PERMIT.

E. CONSTRUCT REMAINING SITE ACCORDING TO APPROVED PLANS, INCLUDING ALL

F. UPON PERMANENT SITE STABILIZATION APPLY PERMANENT CONTROL MEASURES.

G. REMOVE ALL TEMPORARY EROSION CONTROL DEVICES PRIOR TO AS-BUILT APPROVALS.

FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY BUT MUST BE REPLACED AT THE

THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; THE DATES WHEN STABILIZATION MEASURES ARE INITIATED; INSPECTION RECORDS AND RAINFALL RECORDS.

SITE OR USE A REFERENCE SITE FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION.

AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.

DESIGN CAPACITY HAS BEEN REDUCED BY 50% OR AS DIRECTED BY OWNERS

ACCEPTANCE BY LOCAL GOVERNING AGENCY OR AS DIRECTED BY THE OWNER'S

CONTROL DEVICES ONLY AFTER A SOLID STAND OF GRASS HAS BEEN ESTABLISHED ON GRADED AREAS AND WHEN IN THE OPINION OF THE OWNER'S REPRESENTATIVE, THEY ARE

OR DISTURBED MORE THAN 10 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE

PONDS AND OTHER SEDIMENT CONTROLS AS NECESSARY AND MUST BE REMOVED WHEN

B. INSTALL CONSTRUCTION ENTRANCE AND PERIMETER CONTROL MEASURES.

BEGIN CONSTRUCTION

COMPLETE CONSTRUCTION

END OF THE WORKDAY.

DENUDED AREAS.

REPRESENTATIVE.

NO LONGER NEEDED.

A. ATTEND PRE-CONSTRUCTION MEETING.

D. CLEAR AND GRUB THE REMAINING SITE.

ADDITIONAL EROSION CONTROL DEVICES.

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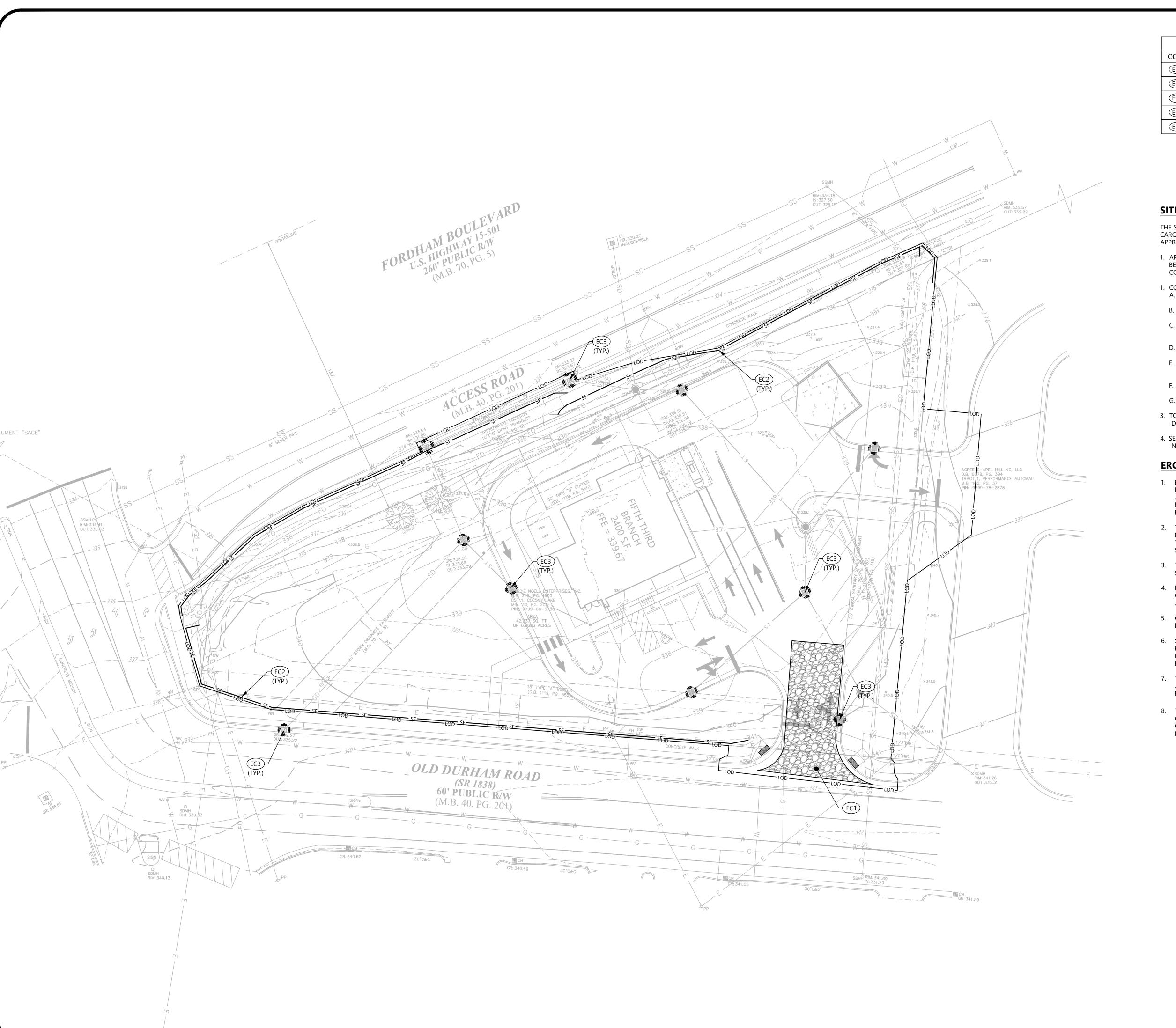
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DRAWING NUMBER

GRAPHIC SCALE (IN FEET) VERTICAL DATUM: NAVD 88 HORIZONTAL DATUM: NAD 83/27

Know what's below.

Call before you dig.



	EROSION CONTROL KEYNOTES						
CODE	DESCRIPTION	DET #/SHT #					
EC1	TEMPORARY CONSTRUCTION ENTRANCE	1 / C3.2					
EC2	SILT FENCE	4 / C3.2					
EC3	INLET PROTECTION	3 / C3.2					
EC4)	EROSION EEL	2 / C3.2					
EC5	RIPRAP AT HEADWALL						

SITE DESCRIPTION AND NOTES:

THE SITE IS LOCATED ON PARCEL 9799-68-5750 IN CHAPEL HILL, ORANGE COUNTY, NORTH CAROLINA. CONSTRUCTION ACTIVITY ON THIS SITE WILL CONSIST OF DISTURBING APPROXIMATELY $1.13\pm$ ACRES TO CONSTRUCT BANK WITH A DRIVE-THRU.

1. APPROXIMATE CONSTRUCTION TIME TABLE:

BEGIN CONSTRUCTION - [AUGUST 2022]
COMPLETE CONSTRUCTION - [AUGUST 2023]

1. CONSTRUCTION SEQUENCE:

A. ATTEND PRE-CONSTRUCTION MEETING.

B. INSTALL CONSTRUCTION ENTRANCE AND PERIMETER CONTROL MEASURES.

C. CONTACT LOCAL ENVIRONMENTAL AGENCY - EROSION CONTROL INSPECTOR FOR INSPECTION OF EROSION CONTROL DEVICES TO OBTAIN GRADING PERMIT.

D. CLEAR AND GRUB THE REMAINING SITE.

E. CONSTRUCT REMAINING SITE ACCORDING TO APPROVED PLANS, INCLUDING ALL ADDITIONAL EROSION CONTROL DEVICES.

F. UPON PERMANENT SITE STABILIZATION APPLY PERMANENT CONTROL MEASURES.

G. REMOVE ALL TEMPORARY EROSION CONTROL DEVICES PRIOR TO AS-BUILT APPROVALS.

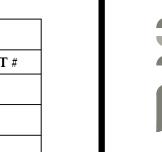
3. TOTAL PROJECT AREA = 42,237 SF (.97± AC.)

DISTURBED AREA = $50,000 \text{ S.F.} (1.15 \pm \text{ AC.})$

4. SEE SHEET C2.0 FOR GENERAL CONSTRUCTION NOTES AND C3.3 FOR EROSION CONTROL NOTES.

EROSION CONTROL NOTES:

- 1. EROSION PREVENTION AND SEDIMENT CONTROL MEASURES MUST BE IN PLACE AND FUNCTIONAL BEFORE EARTH MOVING OPERATION BEGINS AND MUST BE CONSTRUCTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. TEMPORARY MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY BUT MUST BE REPLACED AT THE END OF THE WORKDAY.
- 2. THE FOLLOWING RECORDS SHALL BE MAINTAINED ON OR NEAR SITE: THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR; THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; THE DATES WHEN STABILIZATION MEASURES ARE INITIATED; INSPECTION RECORDS AND RAINFALL RECORDS.
- THE CONTRACTOR SHALL MAINTAIN A RAIN GAUGE AND DAILY RAINFALL RECORDS AT THE SITE OR USE A REFERENCE SITE FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION.
- 4. PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 10 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA IS SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED.
- 5. CONSTRUCTION MUST BE SEQUENCED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED AREAS.
- 6. SEDIMENT SHOULD BE REMOVED FROM SEDIMENT TRAPS, SILT FENCES, SEDIMENTATION PONDS AND OTHER SEDIMENT CONTROLS AS NECESSARY AND MUST BE REMOVED WHEN DESIGN CAPACITY HAS BEEN REDUCED BY 50% OR AS DIRECTED BY OWNERS REPRESENTATIVE.
- 7. THE CONTRACTOR SHALL REMOVE SEDIMENT FROM ALL DRAINAGE STRUCTURES BEFORE ACCEPTANCE BY LOCAL GOVERNING AGENCY OR AS DIRECTED BY THE OWNER'S
- 8. THE CONTRACTOR SHALL REMOVE THE TEMPORARY EROSION AND WATER POLLUTION CONTROL DEVICES ONLY AFTER A SOLID STAND OF GRASS HAS BEEN ESTABLISHED ON GRADED AREAS AND WHEN IN THE OPINION OF THE OWNER'S REPRESENTATIVE, THEY ARE NO LONGER NEEDED.



658 GRASSMERE PARK DRIVE SUITE 100 NASHVILLE, TN 37211 (615) 385-4144



MOODY• NOLAN

BARLOW MOTORS BUILDING

40 W. CENTRAL PKWY• FIRST FL
CINCINNATI, OH 45202

PHONE: (513) 914-5835



AN

A 12-30-2021 TOWN OF CHAPEL HILL SUBMITTAL

NO. DATE

DESCRIPTION

B

SPECIAL USE PERMIT PLANS
FIFTH THIRD BANK

PROJECT NUMBER
213004

DRAWING NUMBER

C3.1

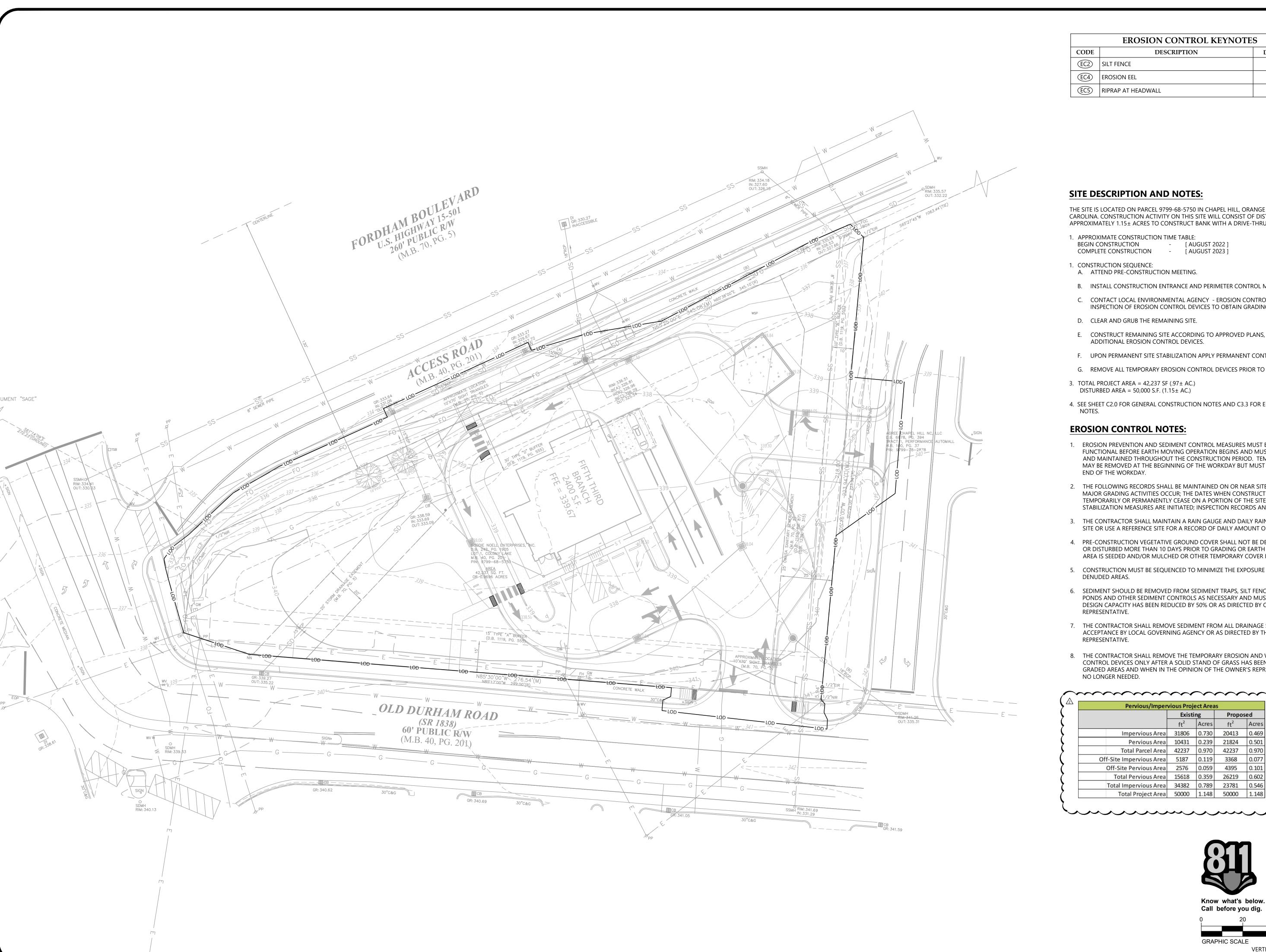
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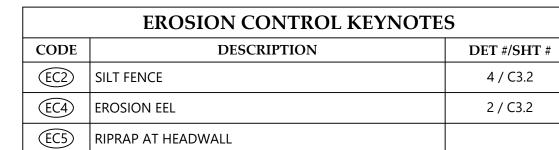
VERTICAL DATUM: NAVD 88

HORIZONTAL DATUM: NAD 83/27

Know what's below.

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658 GRASSMERE PARK DRIVE **SUITE 100** NASHVILLE, TN 37211 (615) 385-4144



MOODY•NOLAN BARLOW MOTORS BUILDING 40 W. CENTRAL PKWY • FIRST FL CINCINNATI, OH 45202

PHONE: (513) 914-5835



			WB	WB	СНІ	
			WB	DA	ВУ	
			04-22-2022 TOWN OF CHAPEL HILL SUP R2 REVISIONS	03-16-2022 TOWN OF CHAPEL HILL SUP R1 REVISIONS	DESCRIPTION	
			04-22-2022	03-16-2022	DATE	
			$\nabla \!$	\bigvee	NO.	

PROJECT NUMBER 213004 DRAWING NUMBER

C3.2

THE SITE IS LOCATED ON PARCEL 9799-68-5750 IN CHAPEL HILL, ORANGE COUNTY, NORTH CAROLINA. CONSTRUCTION ACTIVITY ON THIS SITE WILL CONSIST OF DISTURBING APPROXIMATELY 1.15± ACRES TO CONSTRUCT BANK WITH A DRIVE-THRU.

1. APPROXIMATE CONSTRUCTION TIME TABLE: BEGIN CONSTRUCTION - [AUGUST 2022] COMPLETE CONSTRUCTION - [AUGUST 2023]

1. CONSTRUCTION SEQUENCE:

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B. INSTALL CONSTRUCTION ENTRANCE AND PERIMETER CONTROL MEASURES.

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EROSION CONTROL NOTES:

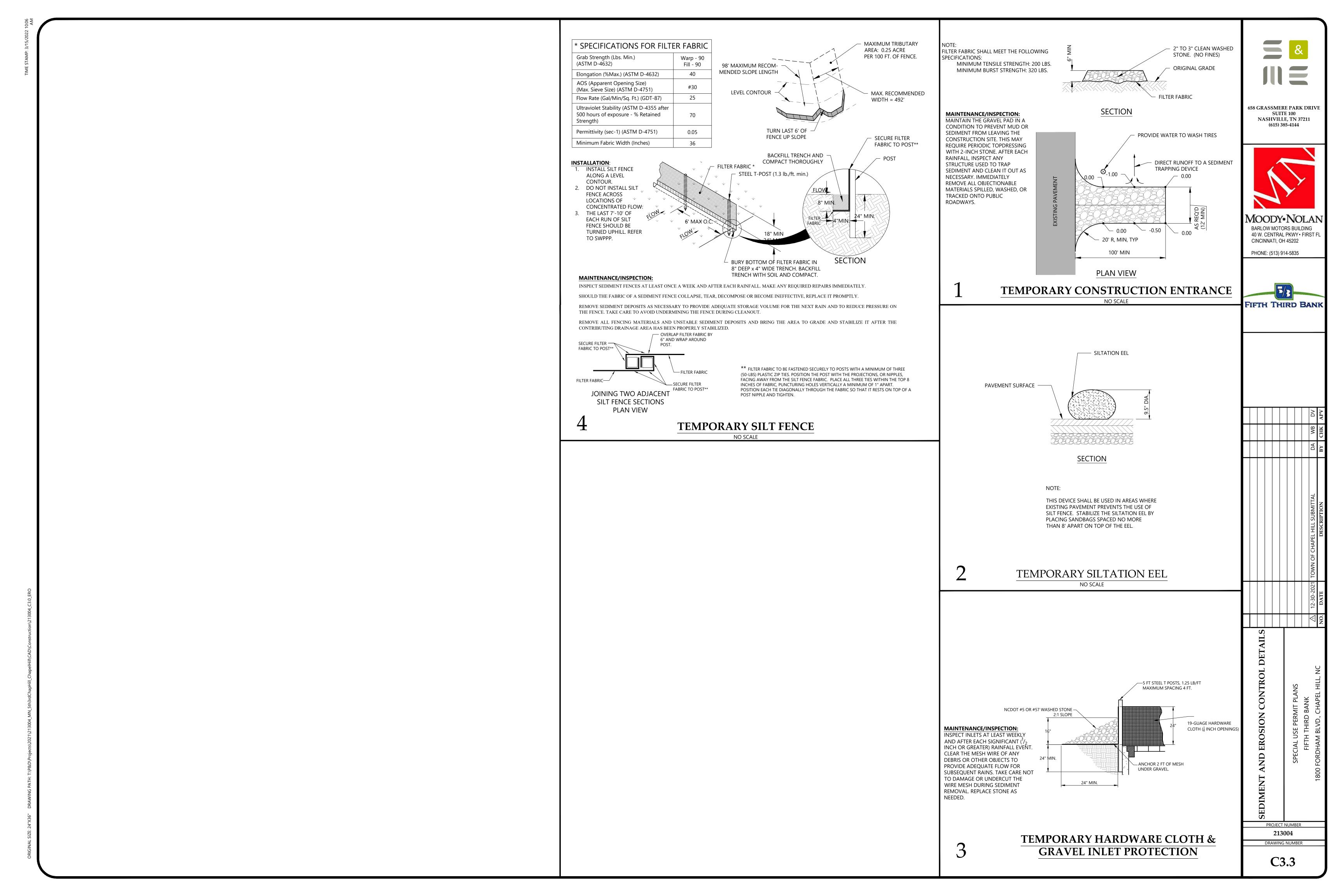
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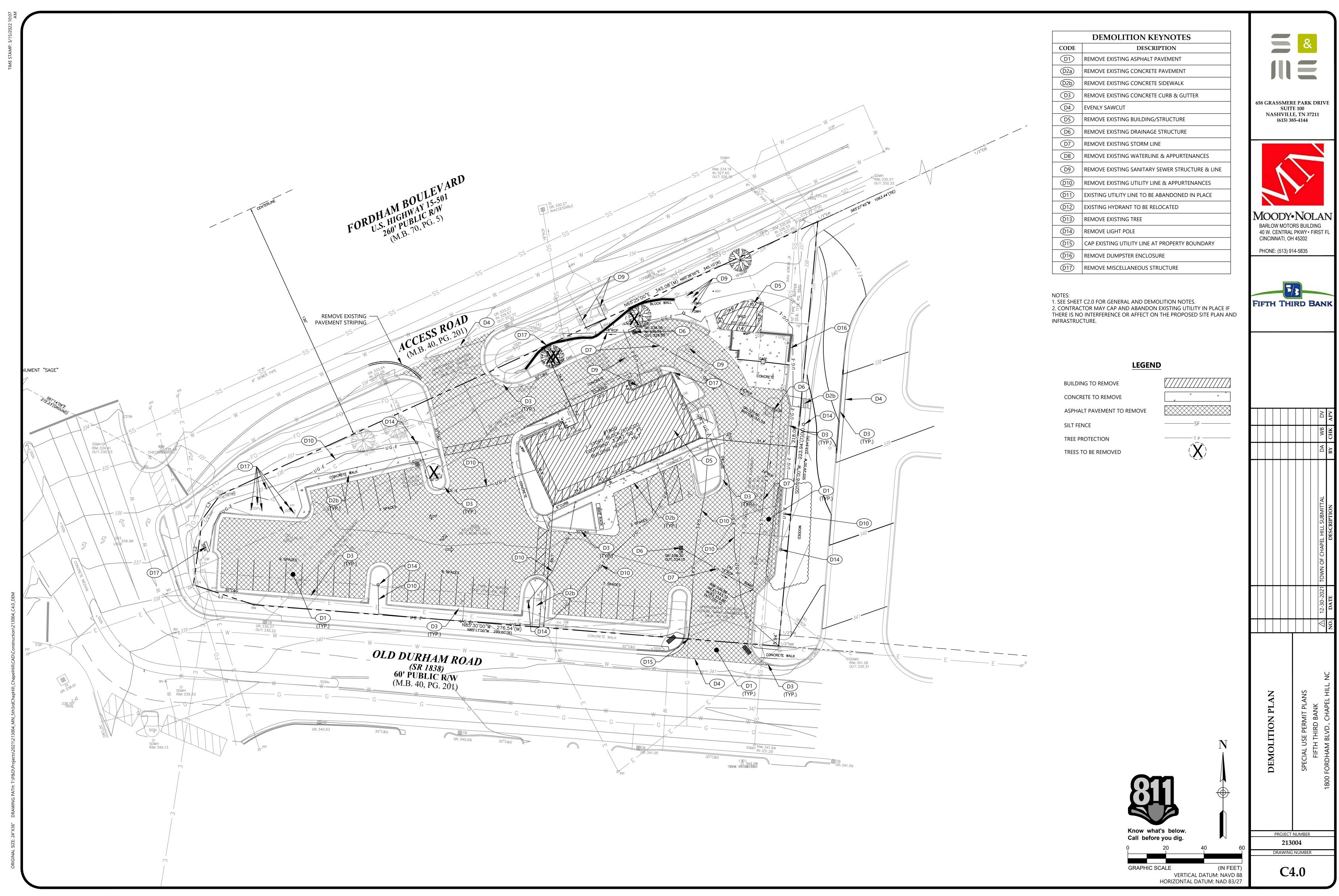
Pervious/Imper	vious Proj	ect Areas	s	
	Exist	ing	Propo	sed
	ft ²	Acres	ft ²	Acres
Impervious Area	31806	0.730	20413	0.469
Pervious Area	10431	0.239	21824	0.501
Total Parcel Area	42237	0.970	42237	0.970
Off-Site Impervious Area	5187	0.119	3368	0.077
Off-Site Pervious Area	2576	0.059	4395	0.101
Total Pervious Area	15618	0.359	26219	0.602
Total Impervious Area	34382	0.789	23781	0.546
Total Project Area	50000	1.148	50000	1.148

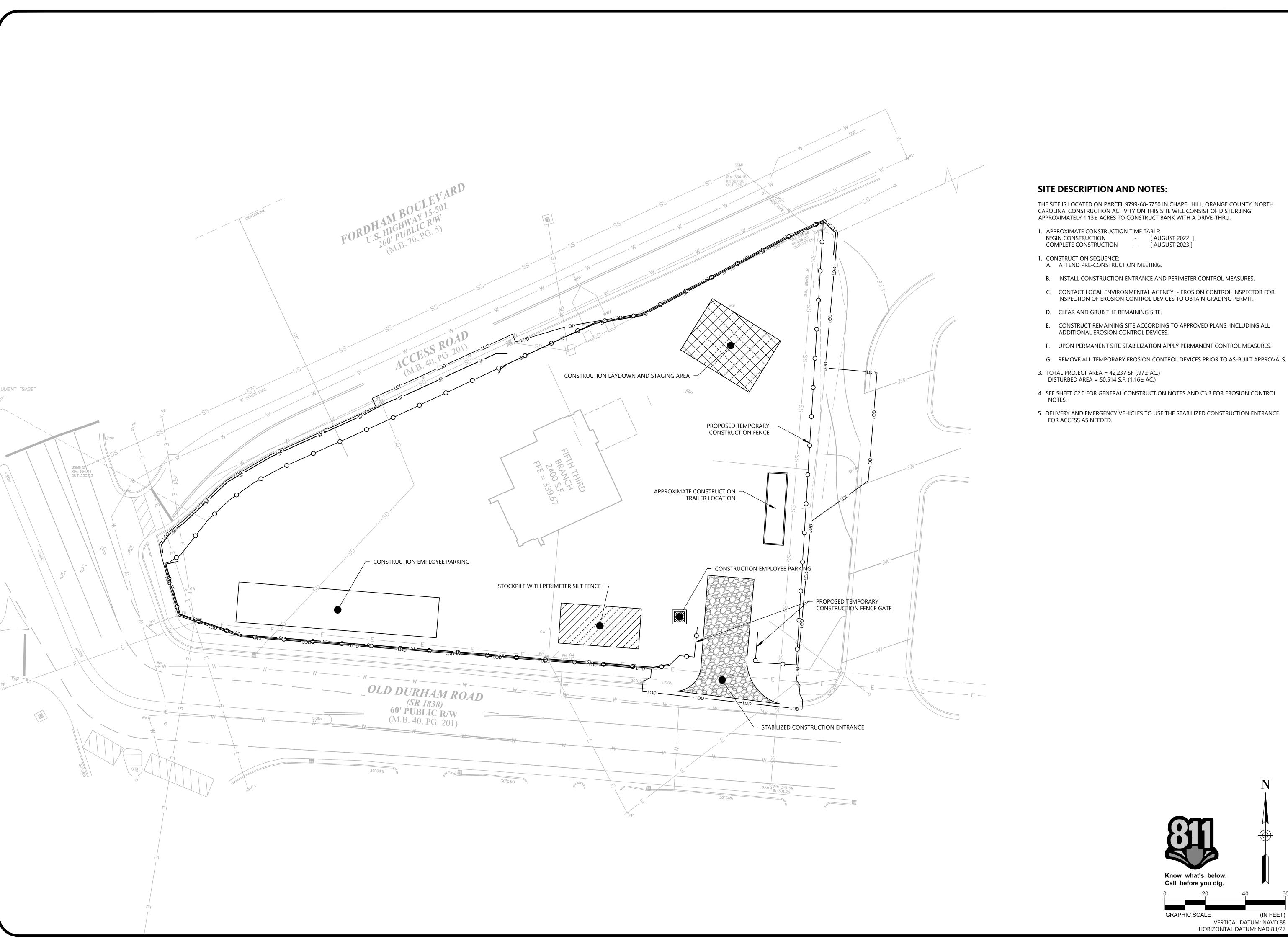


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(IN FEET) VERTICAL DATUM: NAVD 88 HORIZONTAL DATUM: NAD 83/27









658 GRASSMERE PARK DRIVE SUITE 100 NASHVILLE, TN 37211 (615) 385-4144



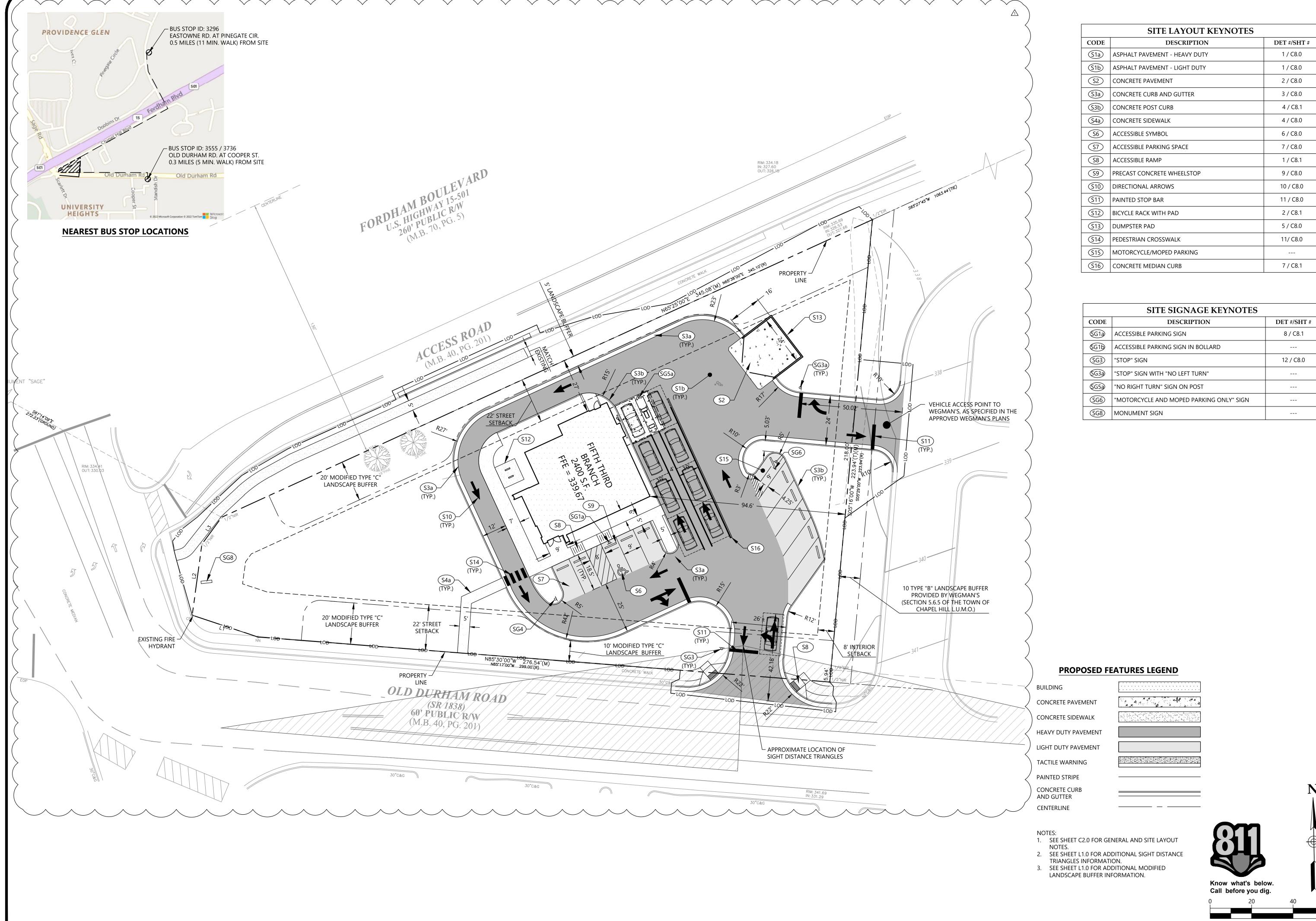
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PROJECT NUMBER 213004 DRAWING NUMBER

C4.1



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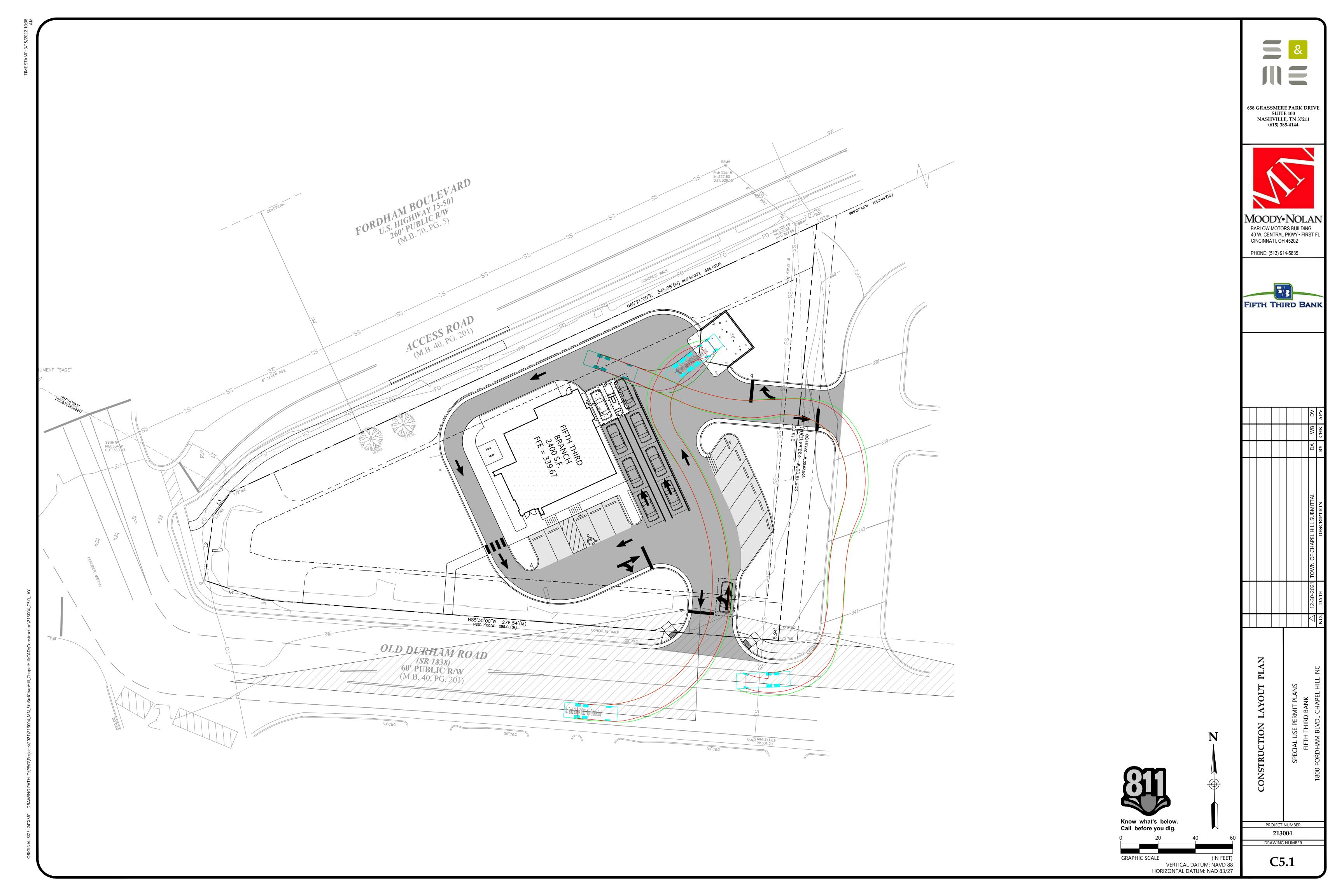


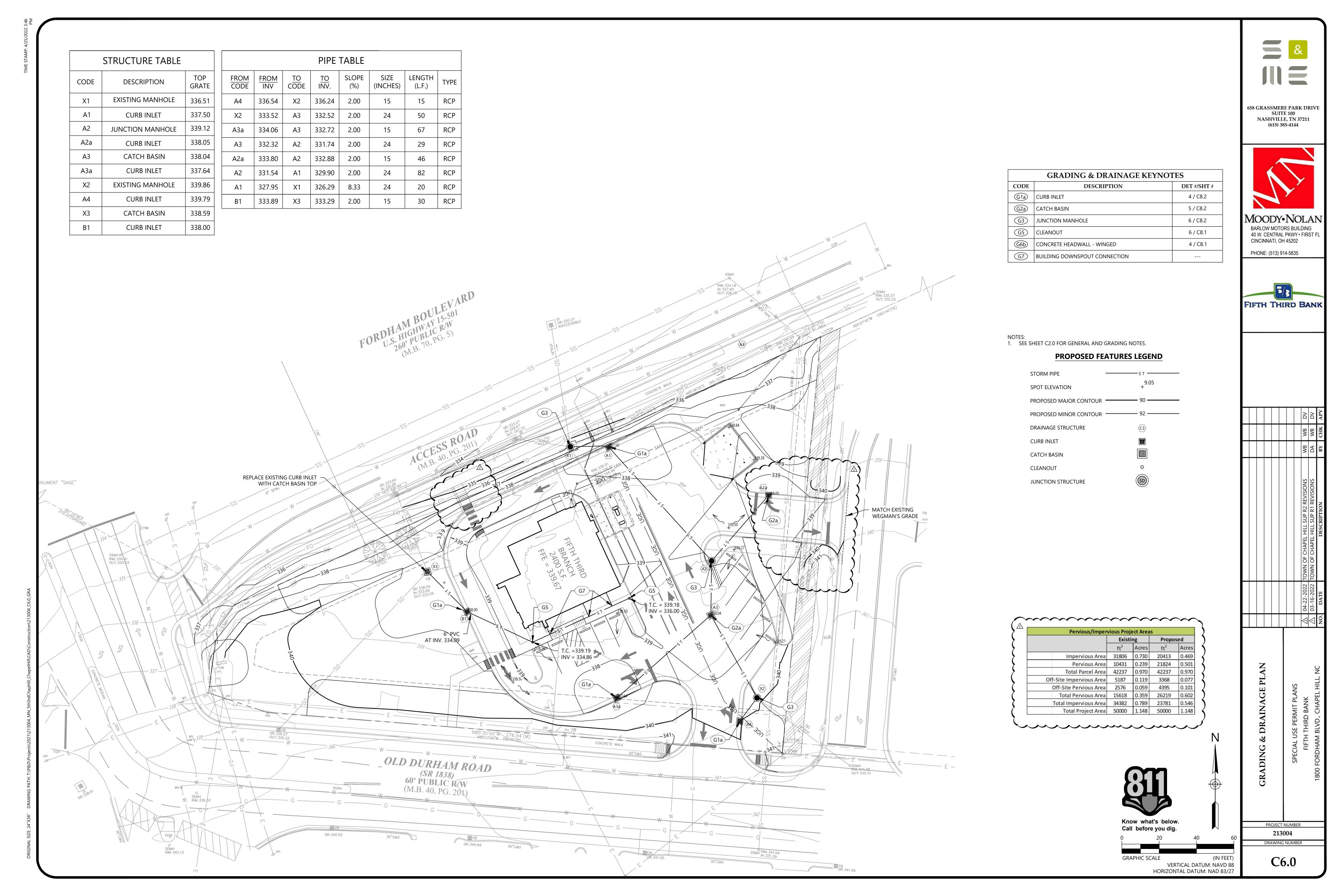
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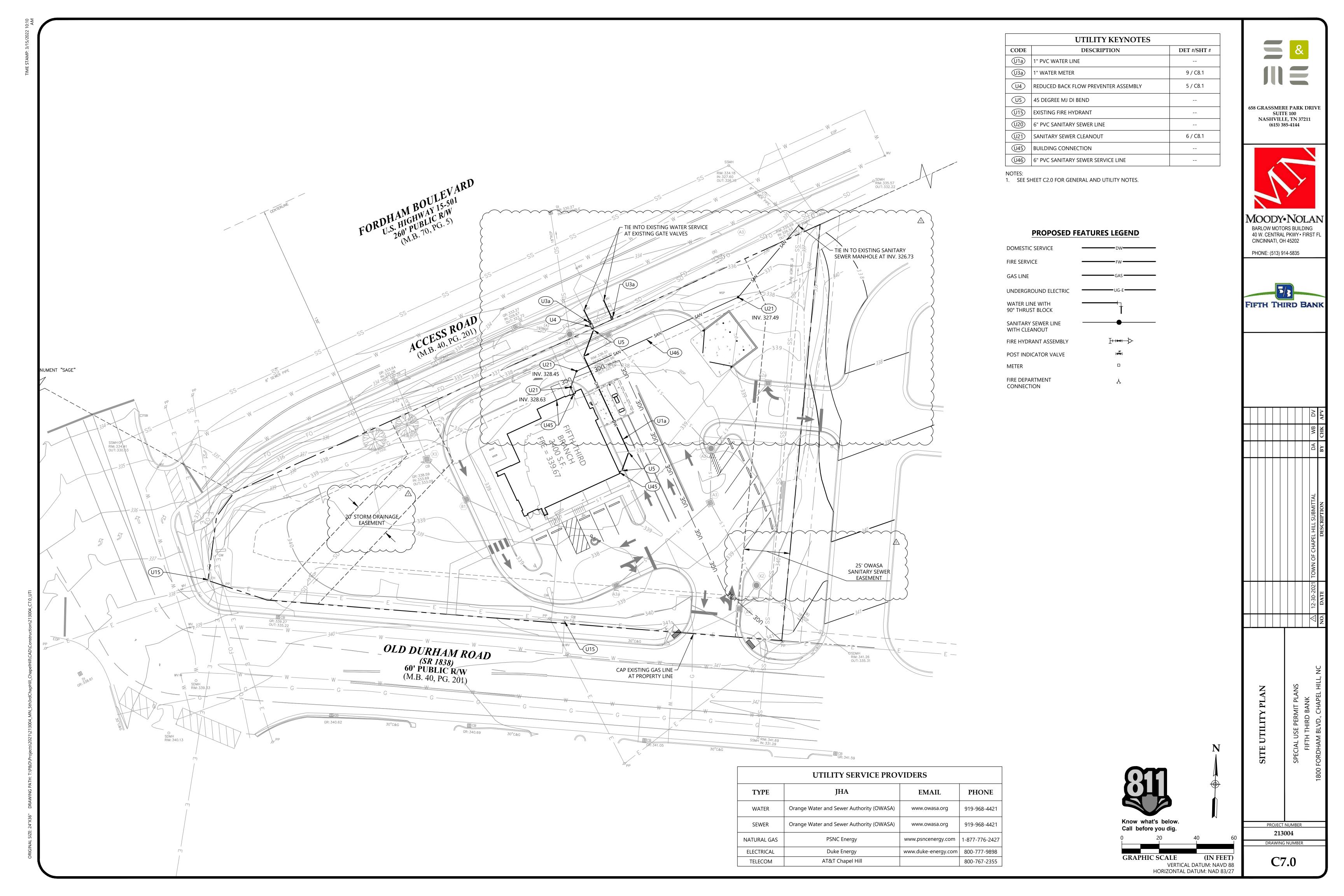
213004 DRAWING NUMBER

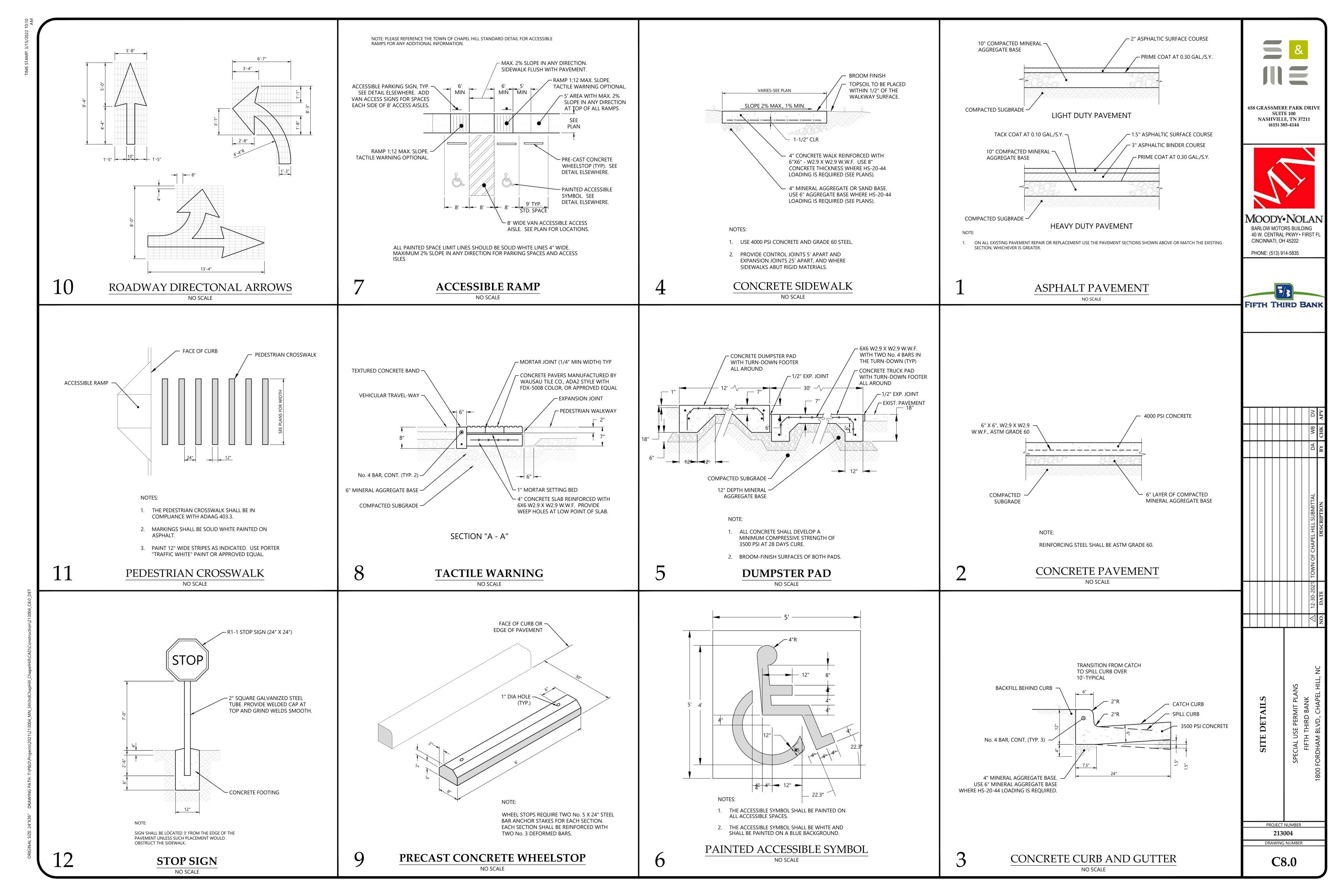
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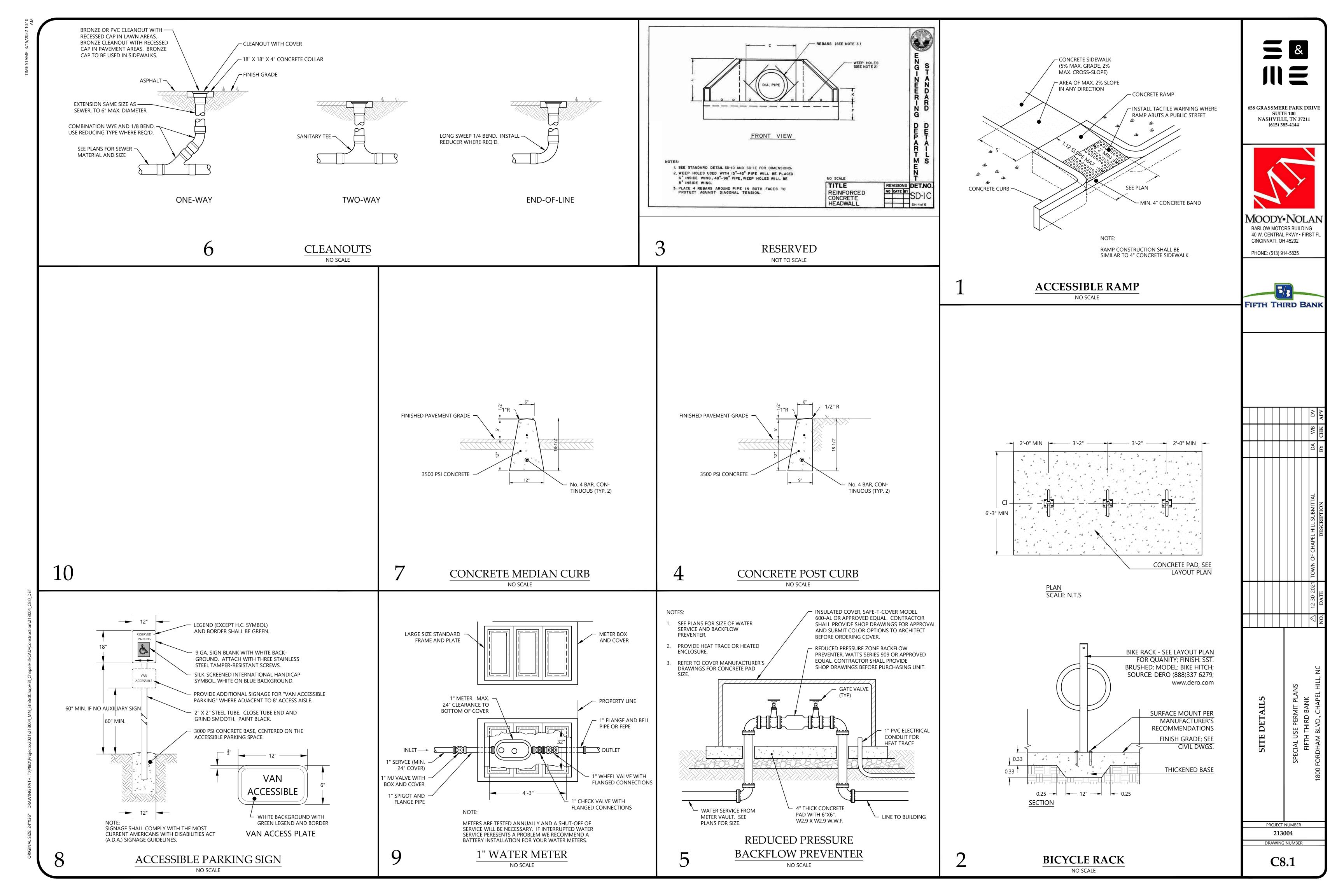
VERTICAL DATUM: NAVD 88 HORIZONTAL DATUM: NAD 83/27

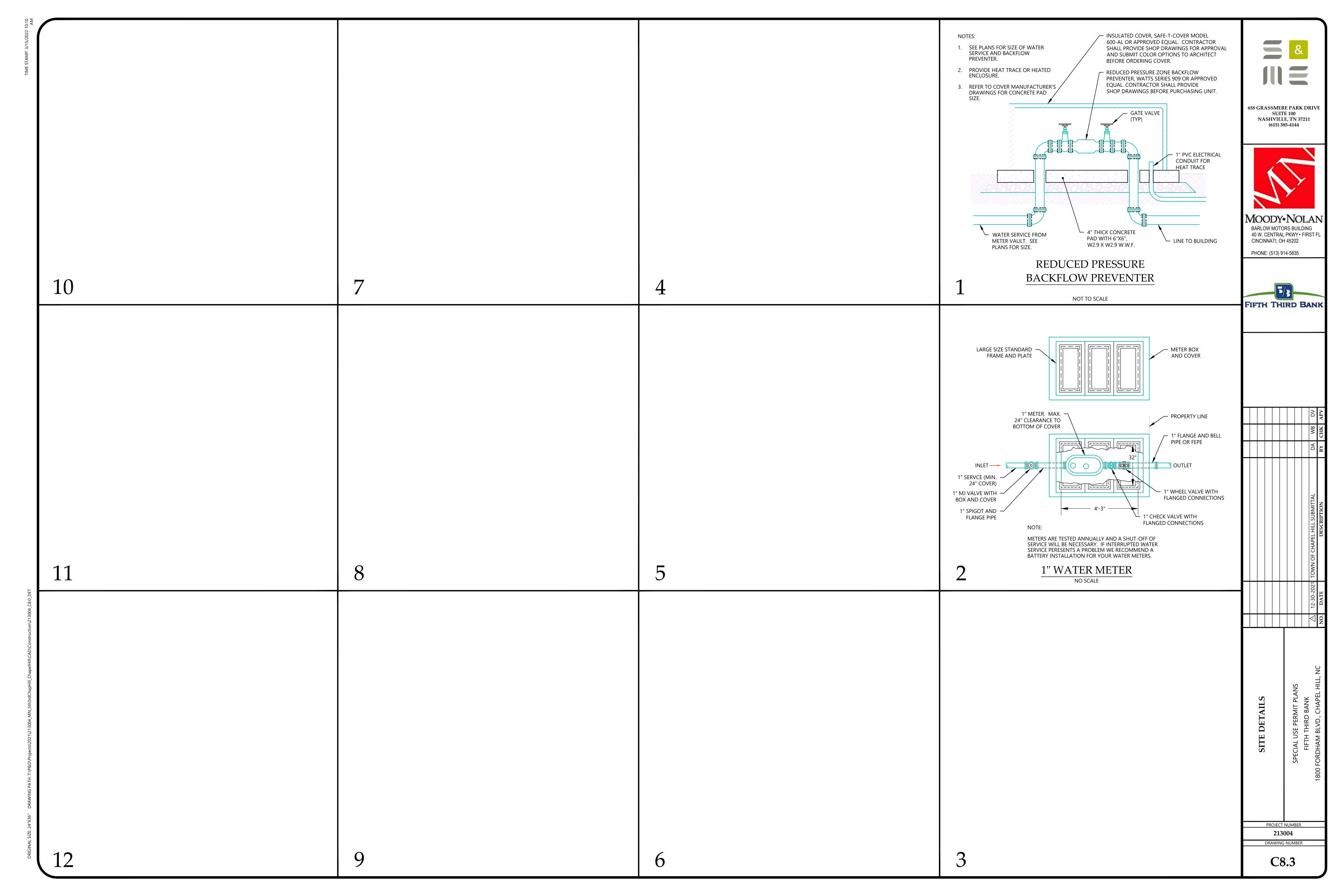


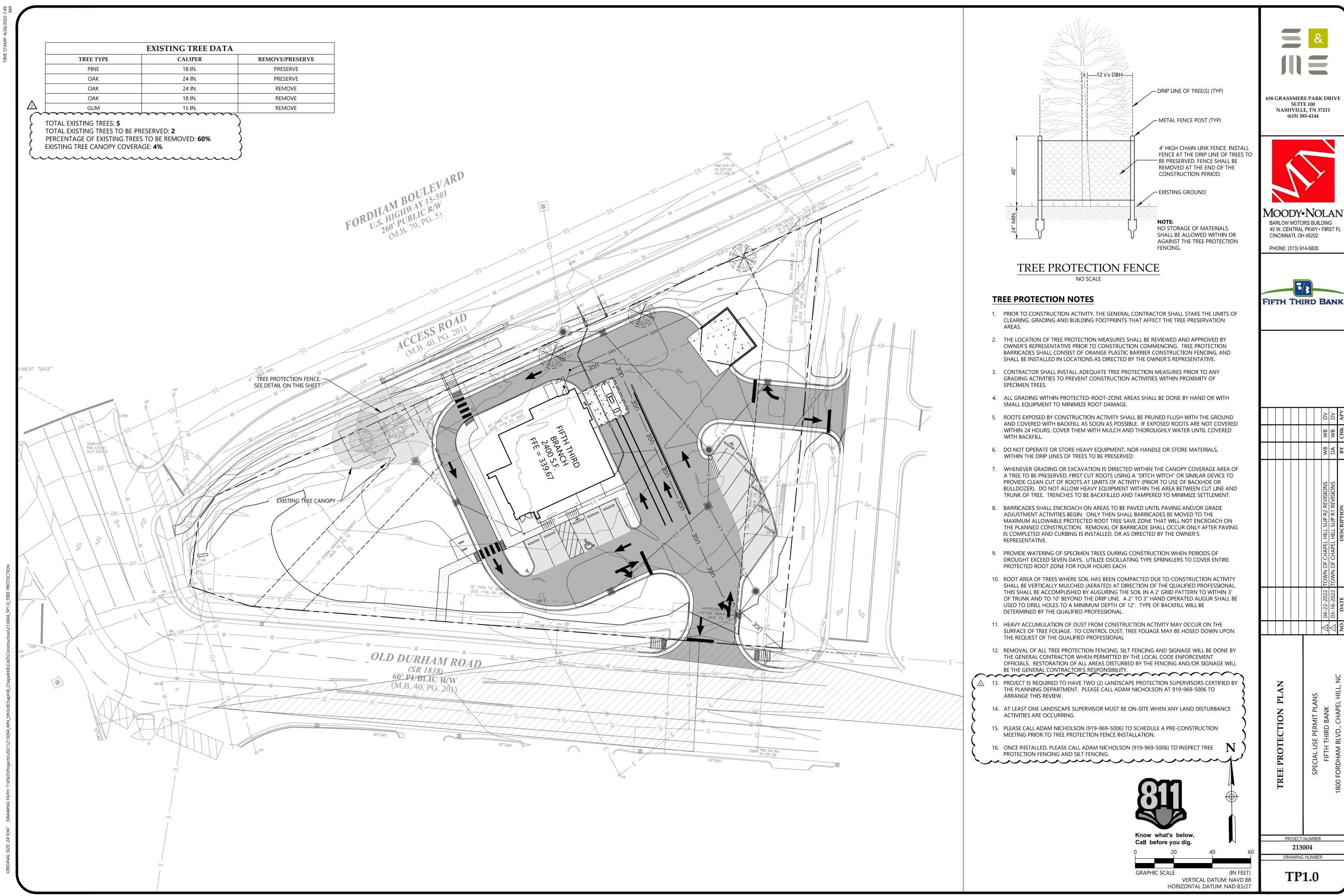




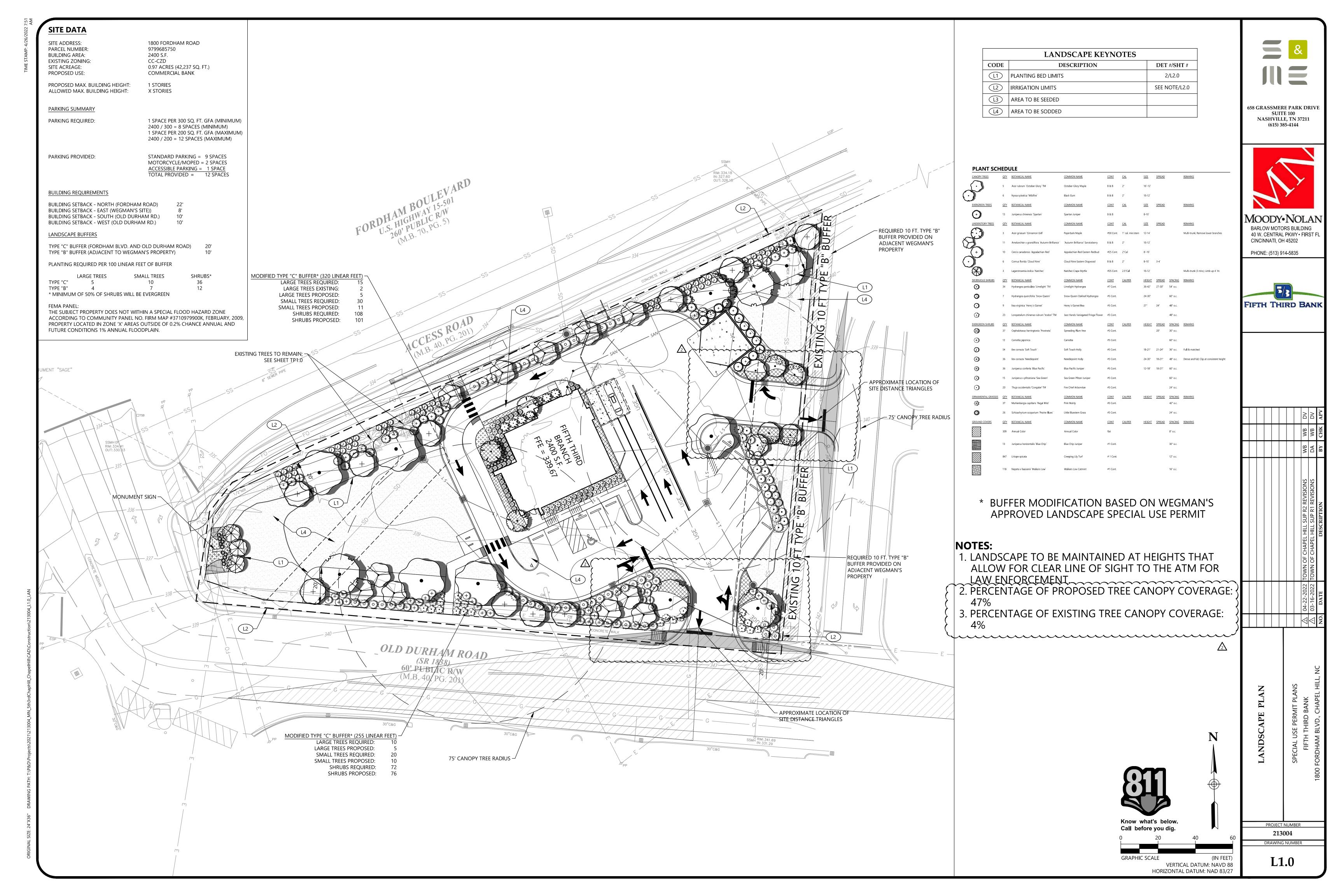












LANDSCAPE NOTES

- THE CONTRACTOR SHALL REVIEW PLANS TO BECOME THOROUGHLY FAMILIAR WITH SURFACE AND SUBSURFACE UTILITIES.
- THE PLANT QUANTITIES SHOWN ON THE LANDSCAPE CONTRACT DOCUMENTS ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES AND REPORTING ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT FOR CLARIFICATION PRIOR TO CONTRACT AWARD AND COMMENCEMENT OF WORK.
- ALL INSTALLATION OF PLANT MATERIAL SHALL COMPLY WITH APPLICABLE JURISDICTIONAL CODES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS ASSOCIATED WITH THIS WORK.
- PRIOR TO PLANTING INSTALLATION, THE CONTRACTOR SHALL CONFIRM THE AVAILABILITY OF ALL THE SPECIFIED PLANT MATERIALS. SUBMIT DATED PHOTOGRAPHS OF ALL TREE MATERIAL AND SPECIMEN MATERIAL AS TO THE OWNER'S REPRESENTATIVE FOR REVIEW.
- ALL PLANT MATERIAL SIZES SPECIFIED ARE MINIMUM SIZES. CONTAINER SIZE SHALL BE INCREASED IF NECESSARY TO PROVIDE OVERALL PLANT SIZE SPECIFIED.
- 6. IF PLANT MATERIAL DOES NOT COMPLY WITH THE REQUIREMENTS AS SPECIFIED HEREIN, THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT SUCH PLANTS AND REQUIRE THE CONTRACTOR TO REPLACE REJECTED WORK AND CONTINUE SPECIFIED MAINTENANCE UNTIL RE-INSPECTED AND FOUND TO BE ACCEPTABLE.
- THE CONTRACTOR SHALL AMEND ALL PLANTING AREAS PER CITY OF THORNTON REQUIREMENTS: TILL IN 4 CY CLASS I OR II COMPOST PER 1,000 SF TO A 6" DEPTH.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR STABILITY AND PLUMB CONDITION OF ALL TREES AND SHRUBS, AND SHALL BE LEGALLY LIABLE FOR ANY DAMAGE CAUSED BY INSTABILITY OF ANY PLANT MATERIALS. STAKING OF TREES OR SHRUBS SHALL BE DONE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL INSURE ADEQUATE VERTICAL DRAINAGE IN ALL PLANT BEDS AND PLANTERS. IF INADEQUATE VERTICAL DRAINAGE IS ENCOUNTERED, THE CONTRACTOR SHALL SUBMIT RECOMMENDATIONS FOR PROVIDING ADEQUATE DRAINAGE TO THE OWNER'S REPRESENTATIVE.
- 10. PEG SOD ON SLOPES GREATER THAN 3:1.
- 11. CONTRACTOR SHALL PROTECT EXISTING VEGETATION TO REMAIN AS SHOWN ON DRAWINGS OR BY MEANS APPROVED BY THE OWNER'S REPRESENTATIVE.
- 12. CONTRACTOR TO CLEAN, PRUNE, AND SHAPE EDGES OF EXISTING VEGETATION AS DIRECTED BY OWNER'S REPRESENTATIVE. CREATE SMOOTH BED LINES AROUND EXISTING VEGETATION.
- 13. THE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING OF SOILS, AMENDMENTS, ETC. ASSOCIATED
- WITH THE WORK. SEE SPECIFICATIONS FOR ADDITIONAL TESTING REQUIREMENTS.
- 15. ALL PLANT MATERIAL SHALL BE IN FULL AND STRICT ACCORDANCE WITH LOCAL CODES.

14. CONTRACTOR SHALL FIELD-ADJUST LOCATION OF PLANT MATERIAL PRIOR TO INITIATING

INSTALLATION FOR THE REVIEW AND APPROVAL OF THE OWNER'S REPRESENTATIVE.

- 16. ALL PLANTING BEDS SHALL BE TOP-DRESSED WITH A 3" LAYER OF MULCH AS SPECIFIED.
- 17. CONTRACTOR SHALL COORDINATE ALL PLANTING WORK WITH IRRIGATION WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HAND WATERING AS REQUIRED TO SUPPLEMENT IRRIGATION WATERING AND RAINFALL.
- 18. CONTRACTOR SHALL BE RESPONSIBLE FOR HAND WATERING IN ALL PLANTING AREAS, REGARDLESS OF THE STATUS OF EXISTING OR PROPOSED IRRIGATION.
- 19. CONTRACTOR SHALL RE-GRADE ALL AREAS DISTURBED BY PLANT REMOVAL, RELOCATION, AND/OR INSTALLATION WORK.
- CONTRACTOR SHALL REPLACE (BY EQUAL SIZE AND QUALITY) ANY AND ALL EXISTING PLANT MATERIAL DISTURBED OR DAMAGED BY PLANT REMOVAL, RELOCATION, AND/OR INSTALLATION
- 21. MAINTENANCE SHALL BEGIN AFTER EACH PLANT HAS BEEN INSTALLED AND SHALL CONTINUE UNTIL THE PROJECT HAS BEEN DEEMED SUBSTANTIALLY COMPLETE. MAINTENANCE INCLUDES WATERING, PRUNING, WEEDING, MULCHING, REPLACEMENTS OF SICK OR DEAD PLANTS, AND ANY OTHER CARE NECESSARY FOR THE PROPER GROWTH OF THE PLANT MATERIAL.
- 22. UPON COMPLETION OF ALL LANDSCAPING, AN INSPECTION FOR SUBSTANTIAL COMPLETION OF THE WORK SHALL BE HELD. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR SCHEDULING THE INSPECTION AT LEAST SEVEN (7) DAYS PRIOR TO THE ANTICIPATED INSPECTION
- 23. CONTRACTOR SHALL SUBMIT WRITTEN GUARANTEE OF SURVIVABILITY OF ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
- 24. CONTRACTOR MUST REVIEW AND ACCEPT, APPROVE ALL GRADED AREAS PRIOR TO THE COMMENCEMENT OF PLANTING.
- 25. TREES ADJACENT TO BUILDINGS SHOULD BE PLANTED AT LEAST THE DIAMETER OF THE TREE CANOPY OR A MIN. OF 10'-0" (WHICHEVER IS GREATER) AWAY FROM THE BUILDING WALL.
- ALL PLANTING AREAS SHALL BE AMENDED WITH 4 CY CLASS I OR II COMPOST PER 1,000 SF. TILL IN
- 27. ALL LANDSCAPE WORK TO BE PERFORMED IN CONFORMANCE WITH THE CITY STANDARDS AND

IRRIGATION NOTES

TO A 8" DEPTH.

- 1. LANDSCAPE CONTRACTOR TO PROVIDE IRRIGATION SYSTEM ON A DESIGN/BUILD ARRANGEMENT FOR AREA NOTED ON THE PLAN. CONTRACTOR TO PREPARE DESIGN DRAWINGS IN ACCORDANCE WITH PERFORMANCE SPECIFICATIONS CONTAINED IN THE PROJECT MANUAL AND SUBMIT SAME FOR APPROVAL BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
- CONTRACTOR TO CONFIRM ADEQUATE PRESSURE EXISTS TO OPERATE SYSTEM PRIOR TO INSTALLATION.
- IRRIGATION SPRINKLER HEADS SHALL BE MANUFACTURED BY EITHER TORO OR RAINBIRD. IRRIGATION CONTROLLER SHALL BE TORO VISION II MODEL OR APPROVED EQUAL.
- 4. MAIN LINE TO BE CLASS 200 PVC PIPE. LATERAL LINES TO BE CLASS 150 PVC.
- 5. IRRIGATION SYSTEM TO BE OPERATIONAL BEFORE PLANTING MATERIALS MAY BE INSTALLED IN PLANTING
- 6. INSTALL SPRINKLER HEADS ACCORDING TO MANUFACTURERS SPECIFICATIONS. FLUSH ALL LINES BEFORE INSTALLING NOZZLES.
- 7. WIRE CONNECTIONS TO BE MADE BY USING RAINBIRD MODEL ST-103/PT-ST SNAP-TITE CONNECTIONS.
- 8. LEAVE 18 INCHES OF ADDITIONAL WIRE AT EACH VALVE LOCATION. ROLL WIRE INTO COIL AT EACH LOCATION.
- 9. ALL VALVES SHALL BE LOCATED IN AMATEX 10 INCH CIRCULAR VALVE BOXES WITH COVER, OR EQUAL.
- 10. IRRIGATION CONTRACTOR TO COORDINATE PLACEMENT OF REQUIRED SLEEVES WITH GENERAL CONTRACTOR PRIOR TO PAVING AND CONCRETE INSTALLATION BEING COMPLETED.

PLANTING NOTES

- 1. BASE INFORMATION WAS TAKEN FROM A SURVEY PREPARED BY SURVEY COMPANY DATED SURVEY DATE. S&ME INC. AND ANY OF THEIR CONSULTANTS SHALL NOT BE HELD RESPONSIBLE FOR THE ACCURACY AND/OR COMPLETENESS OF THAT INFORMATION SHOWN HEREON OR ANY ERRORS OR OMISSIONS RESULTING FROM SUCH.
- 2. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO CONFIRM ALL MATERIAL QUANTITIES. IN THE EVENT OF A DISCREPANCY, THE QUANTITIES SHOWN ON THE PLAN SHALL TAKE PRECEDENCE OVER THE
- 3. NO SUBSTITUTIONS AS TO TYPE, SIZE, OR SPACING OF PLANT MATERIALS SPECIFIED ON THIS PLAN MAY BE MADE WITHOUT THE APPROVAL OF THE OWNER'S REPRESENTATIVE.
- 4. THE CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES. TAKE CARE TO PROTECT UTILITIES THAT ARE TO REMAIN, REPAIR ANY DAMAGE ACCORDING TO LOCAL STANDARDS AND AT CONTRACTOR'S EXPENSE. COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY.
- 5. ALL PLANTING BEDS TO RECEIVE HARDWOOD MULCH. MULCH TO BE INSTALLED TO 3" DEPTH UNLESS OTHERWISE INDICATED ON THE PLANTING DETAILS.
- 6. NEW TREE PLANTINGS TO BE STAKED PER PLANTING DETAILS
- DIMENSIONS LISTED FOR HEIGHTS, SPREAD AND TRUNK SPECIFICATIONS ON THE PLANT MATERIAL SCHEDULE ARE GENERAL GUIDE FOR THE MINIMUM REQUIRED SIZE OF EACH PLANT.
- 8. PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL PLANTING BEDS IMMEDIATELY PRIOR TO PLACEMENT OF
- 9. ALL DISTRUBED AREAS OF THE SITE ARE TO BE SEEDED AND/OR SODDED IN ACCORDANCE WITH THE
- 10. NO EXCAVATION OR PLANTING PIT SHALL BE LEFT OPEN OVERNIGHT.
- 11. THE LANDSCAPE CONTRACTOR SHALL OBTAIN ANY NECESSARY PERMITS, LICENSES, ETC. AND SHALL GIVE ALI NOTICES AND COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, CODES, RULES AND REGULATIONS DURING THE COURSE OF THE INSTALLATION OF THIS PROJECT.
- 12. ALL PLANT MATERIALS TO BE NURSERY GROWN AND TO COMPLY WITH THE AMERICAN STANDARD FOR NURSEY STOCK FOR SIZE AND QUALITY.
- 13. THE LANDSCAPE ARCHITECT RESERVES THE RIGHT TO REFUSE ANY PLANT MATERIAL OR ANY DEFECTIVE WORKMANSHIP.
- 14. ALL PLANTS SHALL HAVE A WELL-FORMED HEAD WITH MINIMUM CALIPER, HEIGHT AND SPREAD OF THE SIDE BRANCHES AS SHOWN ON THE PLANT LIST. TRUNKS SHALL BE UNDAMAGED AND SHAPE SHALL BE TYPICAL OF THE SPECIES.
- 15. MEASUREMENT OF CONIFER HEIGHT SHALL INCLUDE NOT MORE THAN FIFTY PERCENT (50%) OF THIS YEARS VERTICAL GROWTH (TOP CANDLE).
- 16. THE LANDSCAPE CONTRACTOR WILL BE RESPONSIBLE FOR STAKING AND LAYOUT OF PLANTINGS ON THIS PROJECT. THE LANDSCAPE ARCHITECT OR OWNER SHALL BE ADVISED WHEN STAKES ARE READY FOR INSPECTION ON VARIOUS PLANTING AREAS. ALL LAYOUT WORK SHALL BE INSPECTED AND APPROVED BY THE LANDSCAPE ARCHITECT OR OWNER PRIOR TO OPENING ANY PLANT PITS.
- 17. IT IS THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR TO VERIFY THAT EACH EXCAVATED TREE OR SHRUB PIT WILL PERCOLATE (DRAIN) PRIOR TO ADDING TOPSOIL AND INSTALLING TREES OR SHRUBS. THE CONTRACTOR SHALL FILL THE BOTTOM OF SELECTED HOLES WITH SIX INCHES OF WATER. THIS WATER SHOULD PERCOLATE OUT WITHIN A 24-HOUR PERIOD. THE OWNER OR LANDSCAPE ARCHITECT SHALL VERIFY ACCURACY AND EFFECT OF PERCOLATION TESTING. IF THE SOIL AT A GIVEN AREA DOES NOT DRAIN PROPERLY, A P V C DRAIN OR GRAVEL SUMP SHALL BE INSTALLED OR THE PLANTING RELOCATED.
- 18. SHOULD THE LANDSCAPE CONTRACTOR ENCOUNTER UNSATISFACTORY SURFACE OR OTHER SUBSURFACE DRAINAGE CONDITIONS, SOIL DEPTH, LATENT SOILS, HARD PAN, STEAM OF OTHER UTILITY LINES OR OTHER CONDITIONS THAT WILL JEOPARDIZE THE HEALTH AND VIGOR OF THE PLANTS, HE MUST ADVISE THE LANDSCAPE ARCHITECT IN WRITING OF THE CONDITIONS PRIOR TO INSTALLING THE PLANTS, OTHERWISE THE LANDSCAPE CONTRACTOR WARRANTS THAT THE PLANTING AREAS ARE SUITABLE PROPER GROWTH AND DEVELOPMENT OF THE PLANTS TO BE INSTALLED.
- 19. NO MATERIAL SHALL BE PLANTED BEFORE FINISH GRADING HAS BEEN COMPLETED.
- 20. EXISTING TREES TO BE PRESERVED ARE TO BE BARRICADED BEFORE BEGINNING CONSTRUCTION. IN ACCORDANCE WITH THE TREE PRESERVATION NOTES AND DETAILS ON THE LANDSCAPE PLAN.
- 21. SELECTIVE CLEARING CONSISTING OF REMOVAL OF VINES, SAPLINGS UNDER 1" DIAMETER AND UNDERBRUSH SHALL BE PERFORMED IN TREE PRESERVATION AREAS INTERNAL TO THE PROJECT AND NOTED ON PLANS.
- 22. PLANTS IDENTIFIED IN ALTERNATE AREAS ARE TO BE BID SEPARATELY.
- 23. ALL BEDS ARE TO BE TILLED TO A DEPTH OF 8" WITH THE ADDITION OF: (1) 6 CU. FT. BALE OR SPHAGNUM PEAT MOSS PER 40 SQ. FT. OF BED AREA: (25#) 10-10-10 FERTILIZER PER 1000 SQ. FT. If azaleas, rhododendrons or PIERIS ARE USED, ADD 1 3 CU. FT. FINELY GROUND "PINE" BARK MULCH PER 25 SQ. FT. OF BED AREA. ALL ADDITIONS ARE TO BE SPREAD AND TILLED INTO THE SOIL UNIFORMLY.
- 24. CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT WHEN THE PLANT MATERIALS ARE AVAILABLE AT THE JOB SITE FOR REVIEW BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

REMOVE TOP 1/3 OF BURLAP FROM ROOT BALL. REMOVE ENTIRE CONTAINER IF NON-BIODEGRADABLE. CLEAR TRUNKS TO -HEIGHT SPECIFIED - 3" MULCH LAYER – 4" SAUCER BERM – FINISH GRADE → PLANTING MIX: 1 PART ORGANIC GARDEN SOIL, 3 PARTS NATIVE TOPSOIL. SET ROOT BALL ON -**EVENLY BLEND MIXTURE** UNDISTURBED SOIL BEFORE PLACING. MIN. 2 TIMES ROOT BALL DIAMETER - EXISTING SUBGRADE

PLANTING NOTES:

- 1. ALL TREES ARE TO BE NURSERY GROWN, BURLAP AND BALL (B&B). MINIMUM TREE SIZE SHALL BE PER THE PLANTING SCHEDULE, MEASURED 6" ABOVE THE ROOT BALL.
- REMOVE ALL TREATED OR PLASTIC-COATED BURLAP, STRAPPING, WIRE OR NYLON TWINE FROM THE ROOT BALL. COMPLETELY REMOVE WIRE BASKET IF ONE EXISTS.
- INSTALL THE TOP OF THE PLANT BALL FLUSH WITH OR 1" ABOVE THE ADJACENT GRADE.
- 4. SET THE TREE IN THE VERTICAL POSITION BEFORE STAKING IT IN PLACE.
- SOAK THE ROOT BALL AND PIT IMMEDIATELY AFTER INSTALLATION. PLACE 4" TO 6" OF SEASONED MULCH OR PINE NEEDLES AROUND THE BASE OF THE TREE, 3' MINIMUM DIAMETER.

MULTI-TRUNK PLANTING NO SCALE

2. DO NOT DAMAGE MAIN ROOTS OR DESTROY ROOT BALL WHEN INSTALLING TREE STAKES.

TWO-PLY REINFORCED RUBBER

HOSE WITH CABLE OR GALV.

WIRE IF NECESSARY, SPACED

TREES OVER 2" DIAMETER.

120° APART AROUND TREE FOR

LOCATE METAL "T" POST 18" —

MIN. FROM TRUNK ON SIDE OF

PREVAILING WIND. DRIVE POST

TREATED WOODEN POST MAY

MIN. 24" INTO SUB-GRADE.

3" DEEP LAYER OF MULCH -

FINISH GRADE -

BE USED.

3. WATER THOROUGHLY AFTER INSTALLATION.

TWO OF THE THREE STAKES AND GUY WIRES ON THE UPHILL SIDE OF THE TREE.

1. TREE STAKING IS NOT PREFERRED BUT TO BE USED AS A LAST RESORT ON WINDY SITES. INSTALL

2 TIMES ROOT BALL

CONTAINER DIAMETER

PLANTING PIT

METAL FENCE POST

GUY WIRE

STAKING PLAN

- CROWN OF ROOT BALL SHALL

FINISHED GRADE ELEVATION.

FOLD DOWN OR CUT AND REMOVE

REMOVE COMPLETELY. REMOVE WIRE

- FORM RAISED SOIL RING WITH

TOPSOIL (MINIMUM 3" HIGH,

CONTINUOUS AROUND TREE).

SLOPE AND SCARIFY

- BACKFILL WITH SOIL

MIXTURE. SEE NOTE.

SIDES OF PIT

- SET ROOT BALL ON UNDISTURBED

SOIL AT BOTTOM OF PIT.

TOP THIRD OF BURLAP. IF NON-

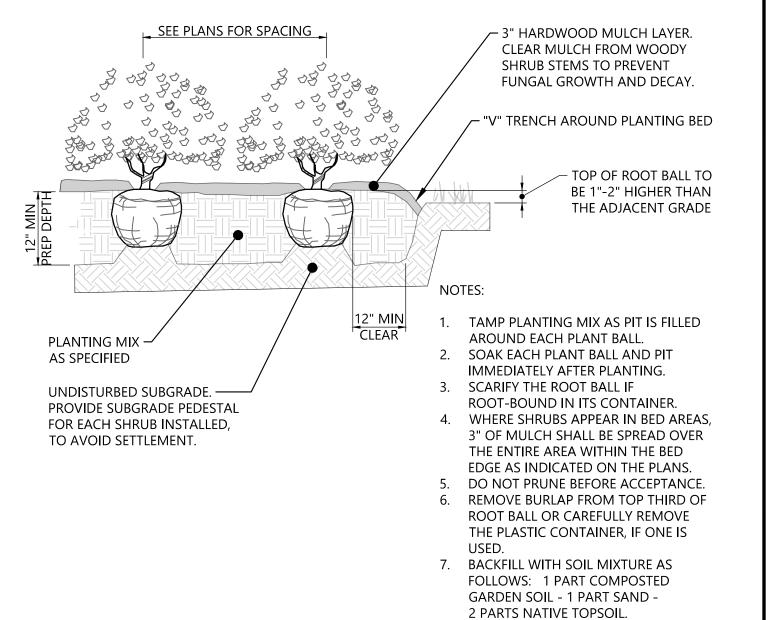
BIODEGRADABLE WRAP IS USED,

BASKET COMPLETELY.

INSTALLED FLUSH WITH

- 4. REMOVE GUY WIRES AND TIES AFTER 6 MONTHS OR AT THE DIRECTION OF THE LANDSCAPE
- 5. TREE SHALL STAND PLUMB.
- 6. SOIL MIX: 1 PART ORGANIC MATERIAL, 1 PART SAND AND 2 PARTS TOPSOIL
- 7. REMOVE ALL TAGS, ROPE, AND CONTAINERS. APPLY TREE WRAP STARTING AT THE BOTTOM AND CONTINUING TO FIRST BRANCH.
- 8. CLEAN TRUNK TO HEIGHT SPECIFIED AND PAINT WOUNDS WITH APROVED DRESSING

TREE PLANTING NO SCALE



EDGE OF LAWN OR PAVEMENT REFER TO GRADING PLANS FOR FINISH GRADE ELEVATION. - 3" DEEP MULCH LAYER BACKFILL WITH SOIL MIXTURE: 1 PART COMPOSTED GARDEN SOIL 1 PART SAND 2 PARTS NATIVE TOPSOIL

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PROJECT NUMBER 213004 DRAWING NUMBER

L2.0

3" MULCH LAYER - REMOVE OR SPLIT THE PEAT POT. REMOVE THE PLASTIC CAN, IF USED.

· 12" DEEP PREPARED SOIL MIXTURE: 1 PART ORGANIC GARDEN SOIL - COMPACTED SUBGRADE 1 PART SAND 2 PARS NATIVE TOPSOIL. MIX THROROUGHLY BEFORE PLACING THE PLANTING SOIL MIXTURE.

PERENNIAL BEDS SHOWN HATCHED ON THE

PLANT SYMBOLS SHALL BE PLANTED AS SHOWN ON THE PLANS. REFER TO THE PLANTING SCHEDULE FOR PLAT SPACING.

PLANS SHALL BE PLANTED USING A TRIANGULAR

PLANT SCHEME. BEDS SHOWN WITH INDIVIDUAL

PERENNIAL PLANTING NO SCALE

SHRUB PLANTING NO SCALE

SPADED BED EDGE