

SITE INFORMATION
OWNER INFORMATION: BRUNSWICK COUNTY SCHOOLS
35 REFERENDUM DRIVE NE
BOLIVIA, NC 28422
PROJECT NAME: W. BRUNSWICK HIGH SCHOOL ADDITIONS
PROJECT ADDRESS: 550 WHITEVILLE ROAD N.W.
SHALLOTTE, NC 28470
PARCEL ID: 18100019
PARCEL PIN: 107816849878
RECORDED DEED BOOK: BK 238, PG 458
CURRENT ZONING: HB
EXISTING USE: HIGH SCHOOL
PROPOSED USE: HIGH SCHOOL
TOTAL SITE AREA: 53.58 AC
FLOOD INFORMATION: THIS PARCEL LIES WITHIN AN AREA OF MINIMAL FLOOD HAZARD (ZONE X) AS INDICATED BY FEMA FLOOD ZONE MAP NUMBER 3720107800K BEARING AN EFFECTIVE DATE OF 08/28/2018.

PARKING INFORMATION
PER SECTION 20-6 OF SHALLOTTE UNIFIED DEVELOPMENT ORDINANCE:
USE TYPE: SCHOOL & EMPLOYEE BUS TRANS.
MIN. # OF PARKING SPACES REQ'D: N/A
MAX. # OF PARKING SPACES REQ'D: N/A
"EX. PARKING PROVIDED: 533 SPACES
HANDICAP PARKING REQ'D: 2% OF TOTAL PARKING IN EACH LOT
11 SPACES TOTAL REQ'D
15 SPACES
HANDICAP PARKING PROVIDED: 15 SPACES
"NUMBER OF EX. PARKING IS APPROX. AND ESTIMATED USING AERIAL IMAGES
NO CHANGES TO EX. PARKING PROPOSED

IMPERVIOUS INFORMATION

EXISTING IMPERVIOUS	
EX. IMPERVIOUS TOTAL	805,202 SF (18.48 AC)
EX. IMPERVIOUS TO BE REMOVED	9,609 SF (0.22 AC)

PROPOSED IMPERVIOUS WITH THIS PROJECT

	DA #1	DA #4	DA #5
ON-SITE ASPHALT	0 SF	0 SF	0 SF
SIDEWALKS	550 SF	2,530 SF	824 SF
BUILDINGS	3,000 SF	9,738 SF	1,997 SF
FUTURE	4,558 SF	11,500 SF	0 SF
TOTAL PROPOSED	8,108 SF	23,768 SF	2,821 SF
NEW IMPERVIOUS	3,550 SF	23,768 SF	2,821 SF

TOTAL PROPOSED IMPERVIOUS (ENTIRE SITE) = 822,590 SF (18.88 AC)
IMPERVIOUS PERCENTAGE = 822,590 SF / 2,342,016 SF = 35.1%

SEE EXHIBIT DA-MAP FOR BREAKDOWN OF STORMWATER DRAINAGE AREAS

BUILDING SETBACKS

	REQUIRED	PROVIDED
FRONT	20'	29' (SEE PLANS)
SIDE	10'	237'
REAR	20'	705'

(PROVIDED SETBACKS SHOWN HERE ARE FOR PROPOSED ADDITIONS ONLY)

BUILDING COVERAGE
COVERAGE SHOWN HERE IS FOR ENTIRE SITE
ALLOWABLE 80%
PROVIDED 200,835 SF / 2,333,945 SF = 8.60%

BUILDING INFORMATION FOR PROPOSED ADDITIONS*

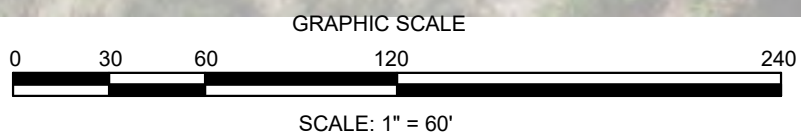
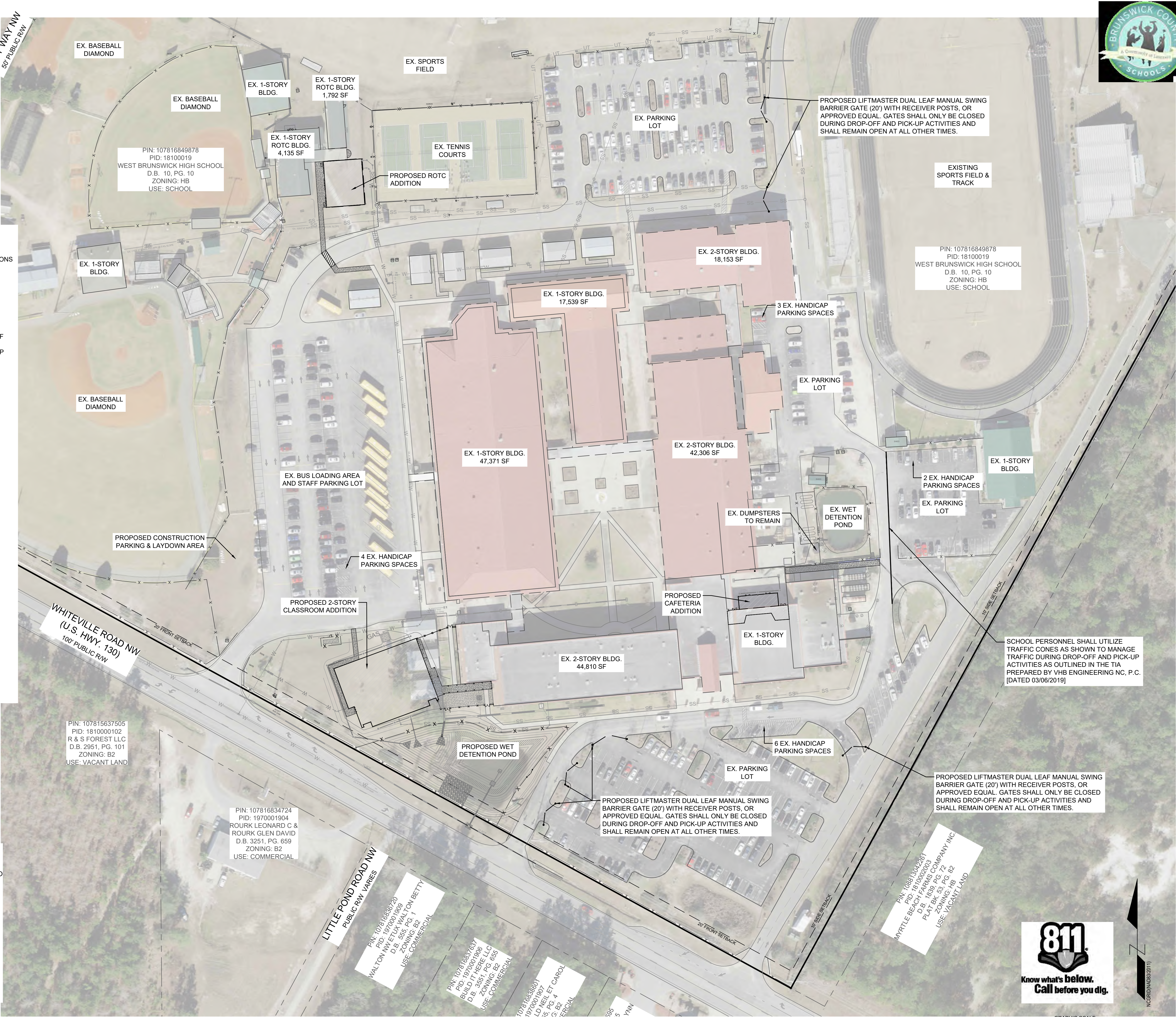
	CLASSROOM ADDITION	CAFETERIA ADDITION	ROTC ADDITION
BUILDING AREAS			
EXISTING	0 SF	10,597 SF	5,927 SF
PROPOSED	1ST FLOOR - 9,738 SF 2ND FLOOR - 9,738 SF	1,829 SF	3,000 SF
TOTAL GFA	19,476 SF	12,426 SF	8,927 SF
HEIGHTS / STORIES			
ALLOWABLE	55' / 2	55' / 2	55' / 2
PROPOSED	30'-8" / 2	18' / 1	15' / 1
CONSTRUCTION TYPE	II-B	I-B	V-B
SPRINKLER SYSTEM?	NO	NO	NO

*SEE ARCHITECTURAL PLANS FOR INFORMATION OF ALL OTHER EXISTING BUILDINGS

GENERAL NOTES

- ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET TOWN AND/ OR NCDOT STANDARDS.
- ALL SIGNS AND PAVEMENT MARKINGS IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD STANDARDS.
- ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT OF WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER IN ACCORDANCE WITH MUTCD STANDARDS.
- ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
- NO LANDSCAPE IMPROVEMENTS ARE REQUIRED PER TOWN OF SHALLOTTE UDO ARTICLE 17.
- REFER TO THE WEST BRUNSWICK HIGH SCHOOL TRAFFIC OPERATIONS STUDY PREPARED BY VHB ENGINEERING [DATED 03/06/2019] FOR SPECIFIC TRAFFIC RELATED IMPROVEMENTS REQUIRED AND THE TRAFFIC IMPACT ANALYSIS.

SOLID WASTE DISPOSAL
EXISTING DUMPSTERS TO REMAIN AS-IS.



FINAL DESIGN - RELEASED FOR BIDDING ONLY

REVISIONS:

CLIENT INFORMATION:

OVERALL SITE PLAN

PROJECT STATUS:
DESIGN: FINAL
PRELIMINARY LAYOUT:
RELEASED FOR CONSTRUCTION

SEAL:
NORTH CAROLINA
PROFESSIONAL
ENGINEER
ROBERT P. BALLARD
05/04/20

PEI JOB#: 19249.PE

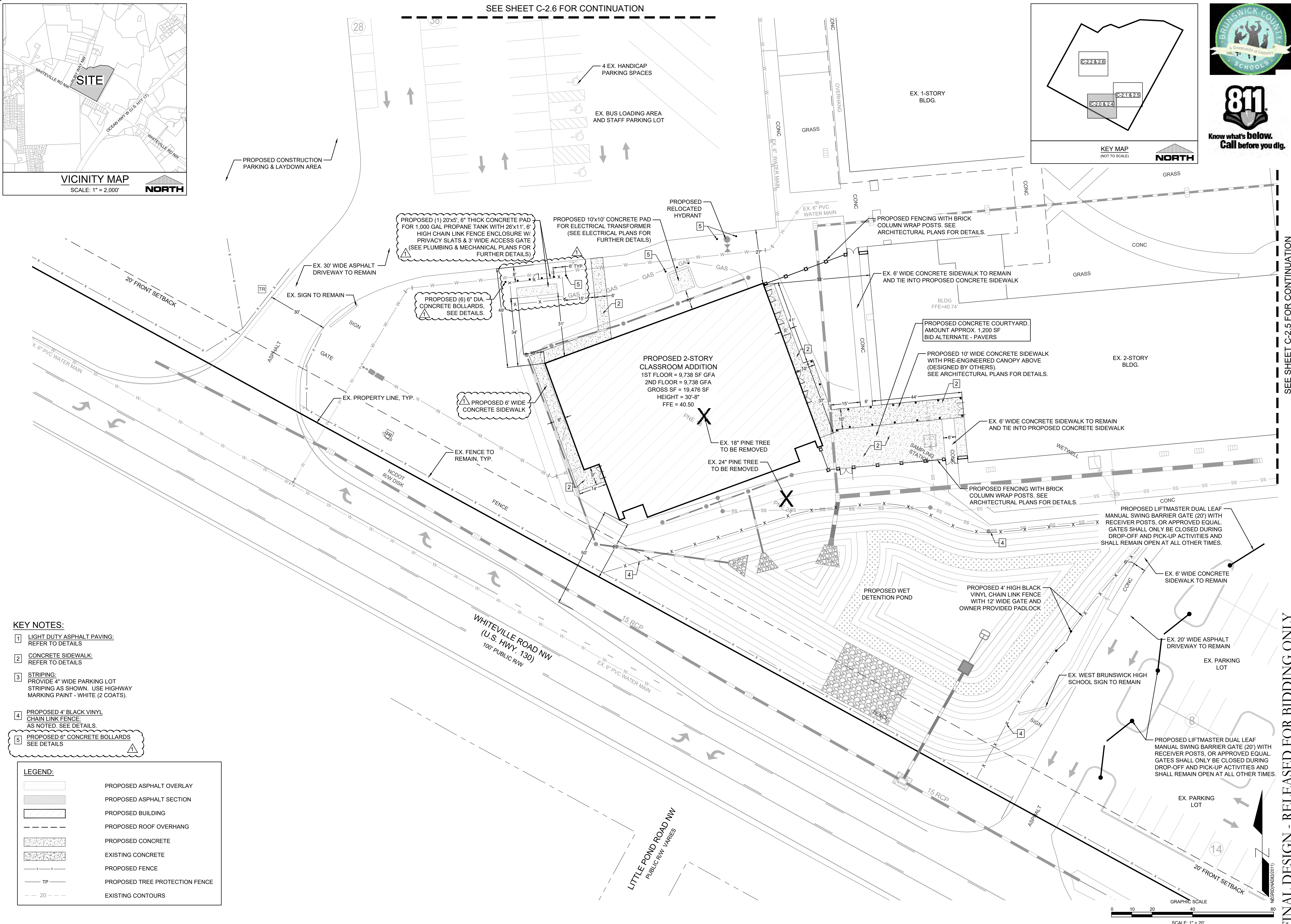
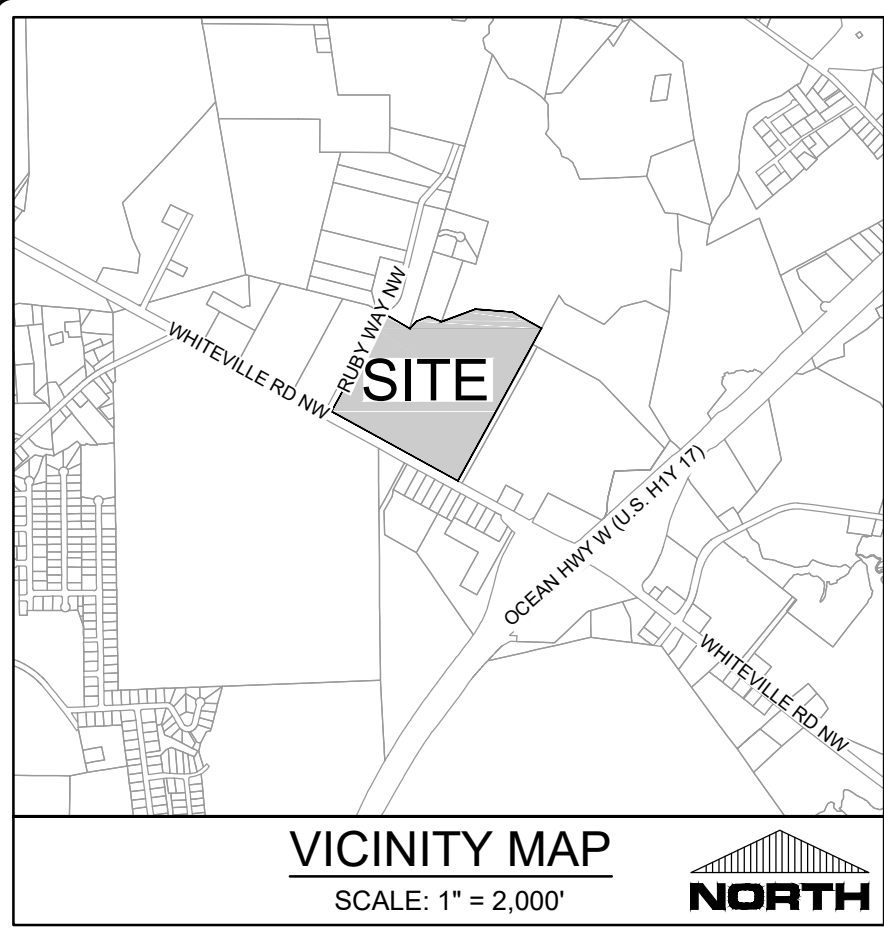
BECKER MORGAN GROUP
3333 JAECKLE DRIVE, SUITE 120
WILMINGTON, NC 28403

PARAMOUNT ENGINEERING
122 Cinema Drive
Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6760 (F)
NC License #: C-2846

W. BRUNSWICK HIGH SCHOOL IMPROVEMENTS
550 WHITEVILLE RD NW, SHALLOTTE
BRUNSWICK COUNTY, NC 28470

DRAWING INFORMATION:
DATE: 05/04/20
SCALE: 1" = 60'
DRAWN: AEC
CHECKED: RPB

C-2.3



- KEY NOTES:**
- 1 LIGHT DUTY ASPHALT PAVING:
REFER TO DETAILS
 - 2 CONCRETE SIDEWALK:
REFER TO DETAILS
 - 3 STRIPING:
PROVIDE 4" WIDE PARKING LOT
STRIPING AS SHOWN. USE HIGHWAY
MARKING PAINT - WHITE (2 COATS).
 - 4 PROPOSED 4" BLACK VINYL
CHAIN LINK FENCE:
AS NOTED, SEE DETAILS
 - 5 PROPOSED 6" CONCRETE BOLLARDS
SEE DETAILS

LEGEND:	
	PROPOSED ASPHALT OVERLAY
	PROPOSED ASPHALT SECTION
	PROPOSED BUILDING
	PROPOSED ROOF OVERHANG
	PROPOSED CONCRETE
	EXISTING CONCRETE
	PROPOSED FENCE
	PROPOSED TREE PROTECTION FENCE
	EXISTING CONTOURS

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REVISIONS:

1	PROPOSED 10' WIDE CONCRETE PAD FOR ELECTRICAL TRANSFORMER	05/04/20
2	PROPOSED 10' WIDE CONCRETE PAD FOR ELECTRICAL TRANSFORMER	05/04/20
3	PROPOSED 10' WIDE CONCRETE PAD FOR ELECTRICAL TRANSFORMER	05/04/20
4	PROPOSED 10' WIDE CONCRETE PAD FOR ELECTRICAL TRANSFORMER	05/04/20
5	PROPOSED 10' WIDE CONCRETE PAD FOR ELECTRICAL TRANSFORMER	05/04/20

CLIENT INFORMATION:

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PARAMOUNT ENGINEERING, INC.

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NC License # C-2846

SITE PLAN

W. BRUNSWICK HIGH SCHOOL IMPROVEMENTS
550 WHITEVILLE RD NW, SHALLOTTE
BRUNSWICK COUNTY, NC 28470

PROJECT STATUS

DESIGN: PRELIMINARY LAYOUT
FINAL DESIGN
RELEASED FOR BIDDING

DRAWING INFORMATION

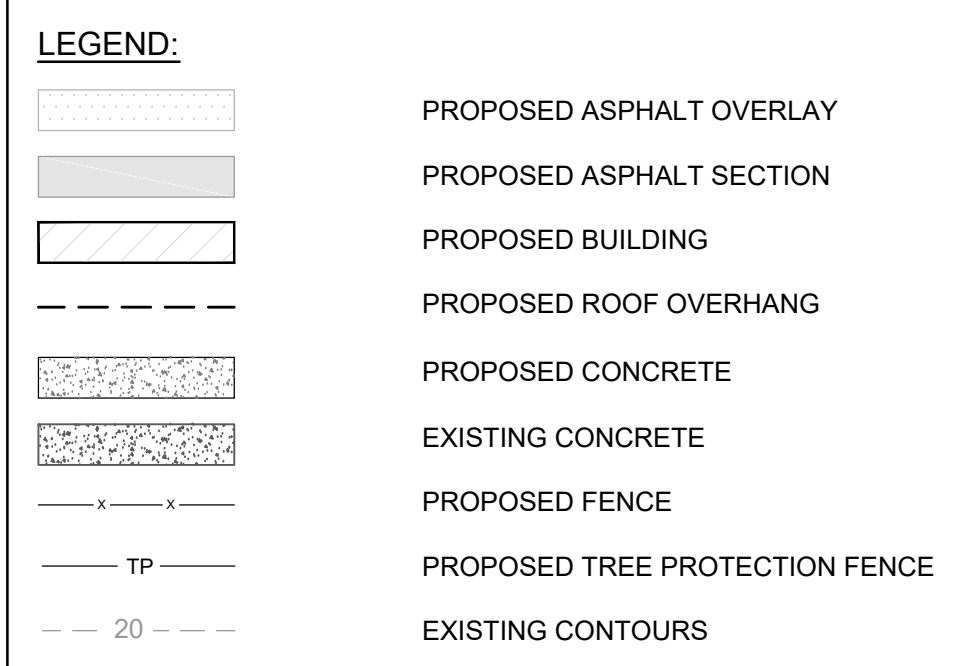
DATE: 05/04/20
SCALE: 1" = 20'
DRAWN: RFE
CHECKED: RFE

SEAL

PROFESSIONAL SEAL
ENGINEER
ROBERT P. BALLARD
05/04/20

C-2.4

PEI JOB#: 19249.PE



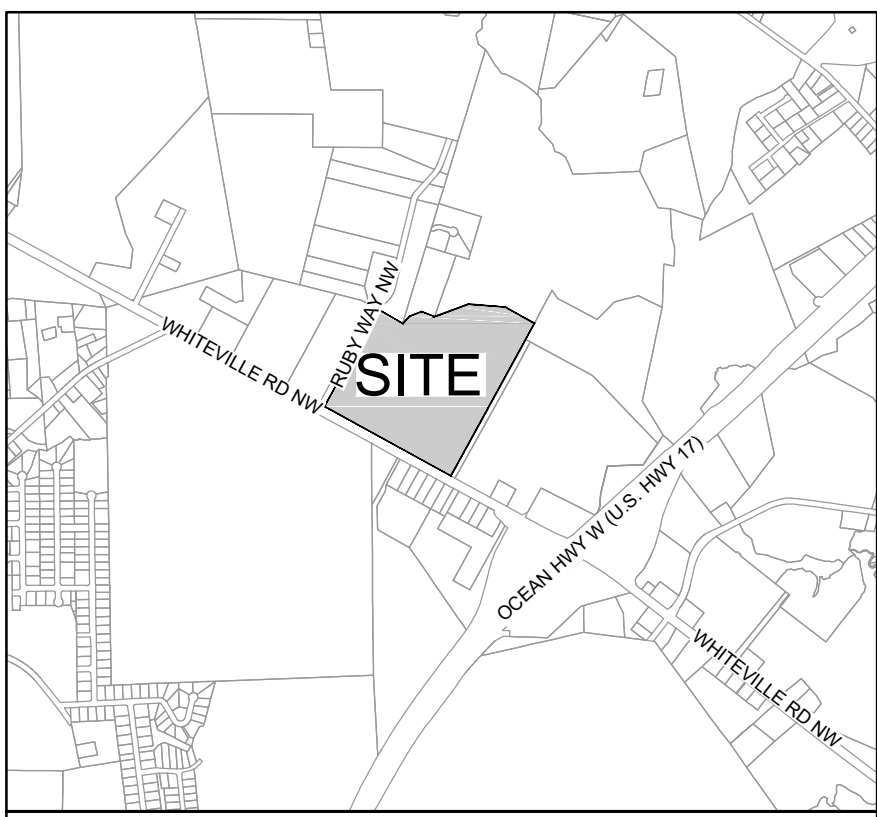
- ## KEY NOTES:
- 1 LIGHT DUTY ASPHALT PAVING:
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 - 2 CONCRETE SIDEWALK:
REFER TO DETAILS
 - 3 STRIPING:
PROVIDE 4' WIDE PARKING LOT
STRIPING AS SHOWN. USE HIGHWAY
MARKING PAINT - WHITE (2 COATS).
 - 4 PROPOSED 4" BLACK VINYL
CHAIN LINK FENCE:
AS NOTED. SEE DETAILS.
 - 5 PROPOSED 6" CONCRETE BOLLARDS:
SEE DETAILS



FINAL DESIGN - RELEASED FOR BIDDING ONLY



PEJ JOB#: 19249	C-2.5	05/04/20 	PROJECT STATUS: CONCEPTUAL LAYOUT: FINAL DESIGN: RELEASED FOR CONSTRUCTION	W. BRUNSWICK HIGH SCHOOL IMPROVEMENTS 550 WHITEVILLE RD NW, SHALLLOTTE BRUNSWICK COUNTY, NC 28470	PARAMOUNT ENGINEERING, INC. 122 Cinema Drive Wilmington, North Carolina 28403 (910) 791-6707 (O) 791-6760 (F) NC License #: C-2846	CLIENT INFORMATION: BECKER MORGAN GROUP 3333 JAECKLE DRIVE, SUITE 120 WILMINGTON, NC 28403	REVISIONS: 1) PROPOSED TANK CONCRETE PAD W/ ENCLOSURE & 8' WIDE SIDEWALK	05/04/20
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VICINITY MAP

SCALE: 1" = 2,000'

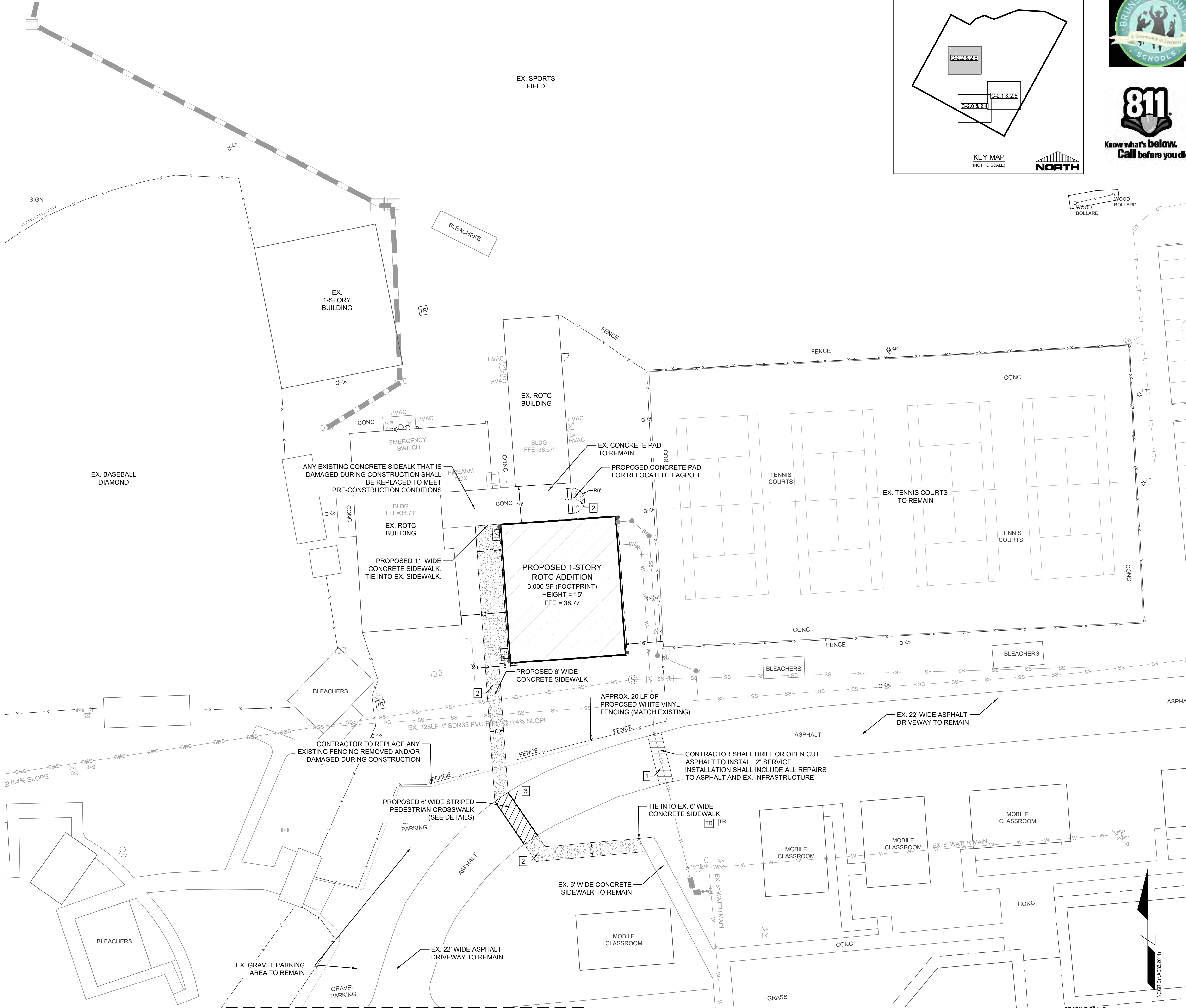


LEGEND:

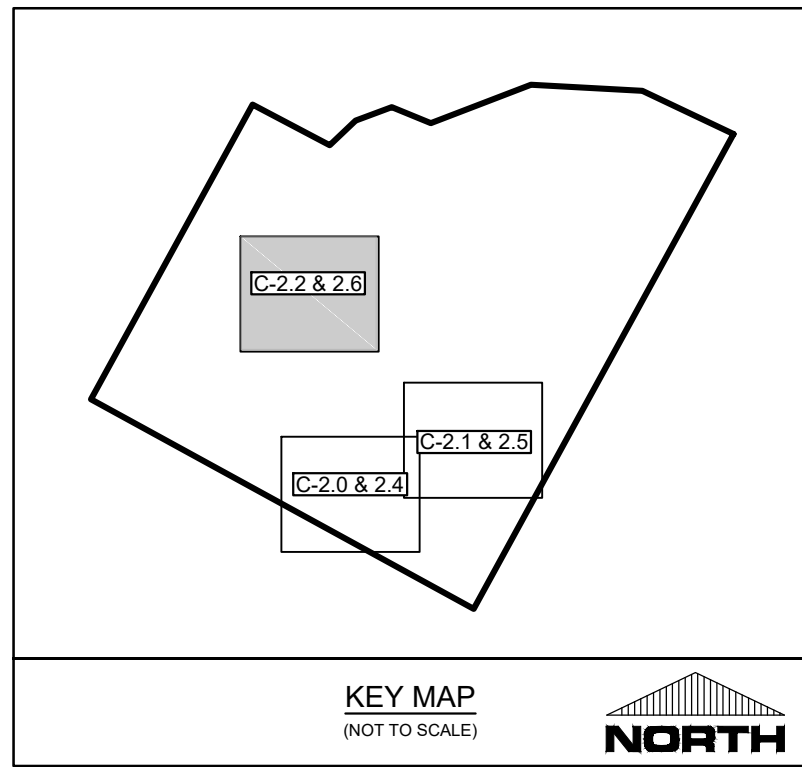
- PROPOSED ASPHALT OVERLAY
- PROPOSED ASPHALT SECTION
- PROPOSED BUILDING
- PROPOSED ROOF OVERHANG
- PROPOSED CONCRETE
- EXISTING CONCRETE
- PROPOSED FENCE
- PROPOSED TREE PROTECTION FENCE
- EXISTING CONTOURS

KEY NOTES:

- 1 LIGHT DUTY ASPHALT PAVING:
REFER TO DETAILS
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REFER TO DETAILS
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STRIPING AS SHOWN. USE HIGHWAY
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- 4 PROPOSED 4' BLACK VINYL
CHAIN LINK FENCE:
AS NOTED. SEE DETAILS.
- 5 PROPOSED 6" CONCRETE BOLLARDS
SEE DETAILS



SEE SHEET C-2.4 FOR CONTINUATION



KEY MAP
(NOT TO SCALE)



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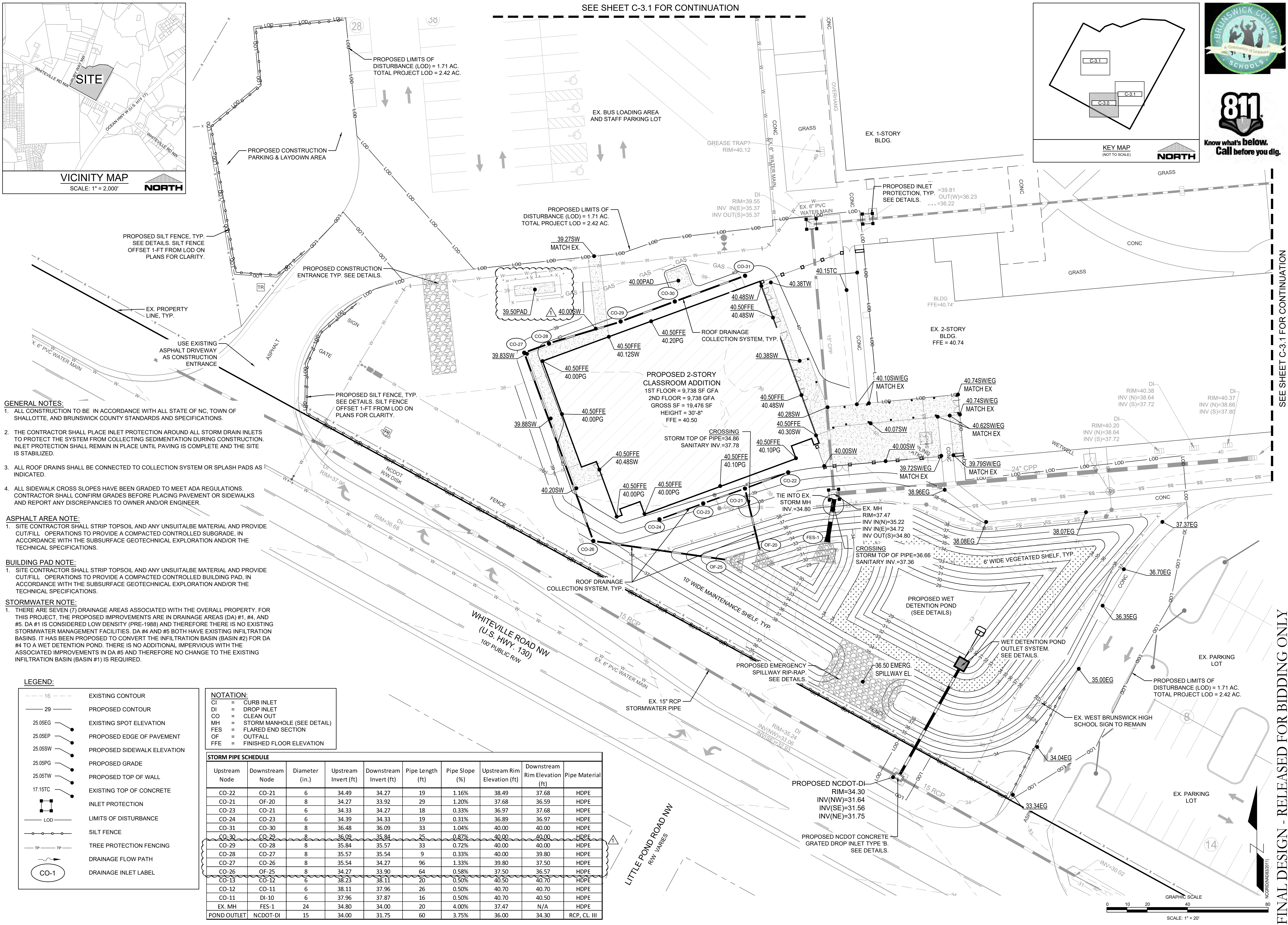
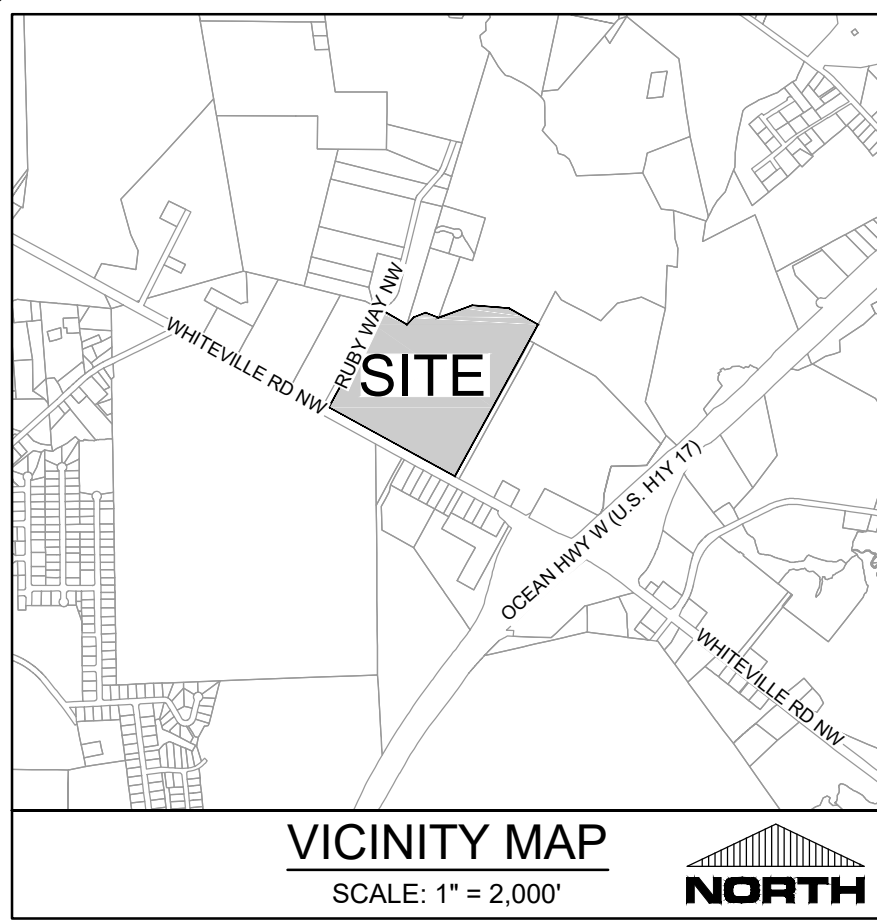
REVISIONS:	
1)	PROPOSED TANK CONCRETE PAD W/ ENCLOSURE & 6" WIDE SIDEWALK

CLIENT INFORMATION:
BECKER MORGAN GROUP
3333 JAECKLE DRIVE, SUITE 120
WILMINGTON, NC 28403

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122 Cinema Drive
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(910) 791-6707 (O) (910) 791-6760 (F)
NC License # C-2846

SITE PLAN
W. BRUNSWICK HIGH SCHOOL IMPROVEMENTS
550 WHITEVILLE RD NW, SHALLOTTE
BRUNSWICK COUNTY, NC 28470

PROJECT STATUS: DESIGN: PRELIMINARY LAYOUT FINAL DESIGN RELEASED FOR BIDDING	DRAWING INFORMATION: DATE: 06/04/20 SCALE: 1" = 20' DRAWN: RFE CHECKED: RFE
C-2.6	
PEI JOB#: 19249.PE	



FINAL DESIGN - RELEASED FOR BIDDING ONLY

SEE SHEET C-3.1 FOR CONTINUATION



REVISIONS:

NO.	DESCRIPTION	DATE
1	PROPOSED PARK CONCRETE PAD IN ENCLOSURE & WIDE SIDEWALK	05/04/20

CLIENT INFORMATION:

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GRADING-DRAINAGE-EC PLAN

W. BRUNSWICK HIGH SCHOOL IMPROVEMENTS
550 WHITEVILLE RD NW, SHALLOTTE
BRUNSWICK COUNTY, NC 28470

PROJECT STATUS

DESIGN: []
CONSTRUCTION: []
FINAL DESIGN: []
RELEASED FOR BIDDING: []

DRAWING INFORMATION

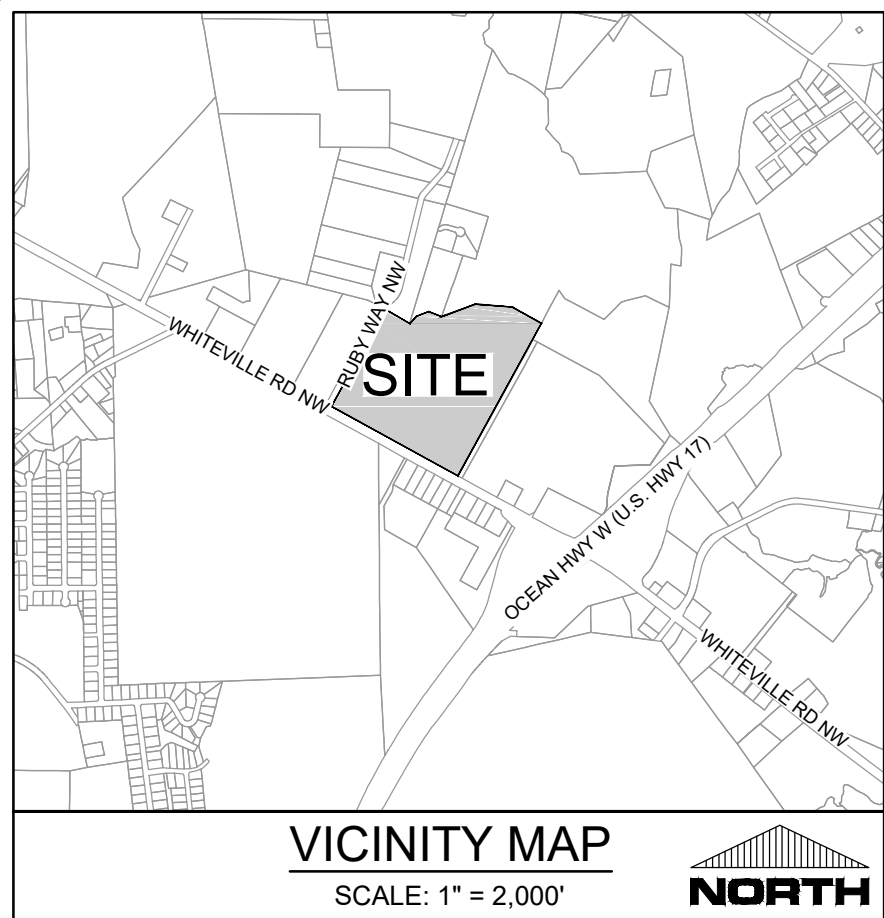
DATE: 05/04/20
SCALE: 1" = 20'
DRAWN: AEC
CHECKED: RPB

SEAL

ROBERT P. BALLING
ENGINEER
05/04/20

C-3.0

PEI JOB#: 19249.PE



- GENERAL NOTES:
1. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL STATE OF NC, TOWN OF SHALLOTTE, AND BRUNSWICK COUNTY STANDARDS AND SPECIFICATIONS.
 2. THE CONTRACTOR SHALL PLACE INLET PROTECTION AROUND ALL STORM DRAIN INLETS TO PROTECT THE SYSTEM FROM COLLECTING SEDIMENTATION DURING CONSTRUCTION. INLET PROTECTION SHALL REMAIN IN PLACE UNTIL PAVING IS COMPLETE AND THE SITE IS STABILIZED.
 3. ALL ROOF DRAINS SHALL BE CONNECTED TO COLLECTION SYSTEM OR SPLASH PADS AS INDICATED.
 4. ALL SIDEWALK CROSS SLOPES HAVE BEEN GRADED TO MEET ADA REGULATIONS. CONTRACTOR SHALL CONFIRM GRADES BEFORE PLACING PAVEMENT OR SIDEWALKS AND REPORT ANY DISCREPANCIES TO OWNER AND/OR ENGINEER.

- ASPHALT AREA NOTE:
1. SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL AND PROVIDE CUT/FILL OPERATIONS TO PROVIDE A COMPACTED CONTROLLED SUBGRADE, IN ACCORDANCE WITH THE SUBSURFACE GEOTECHNICAL EXPLORATION AND/OR THE TECHNICAL SPECIFICATIONS.

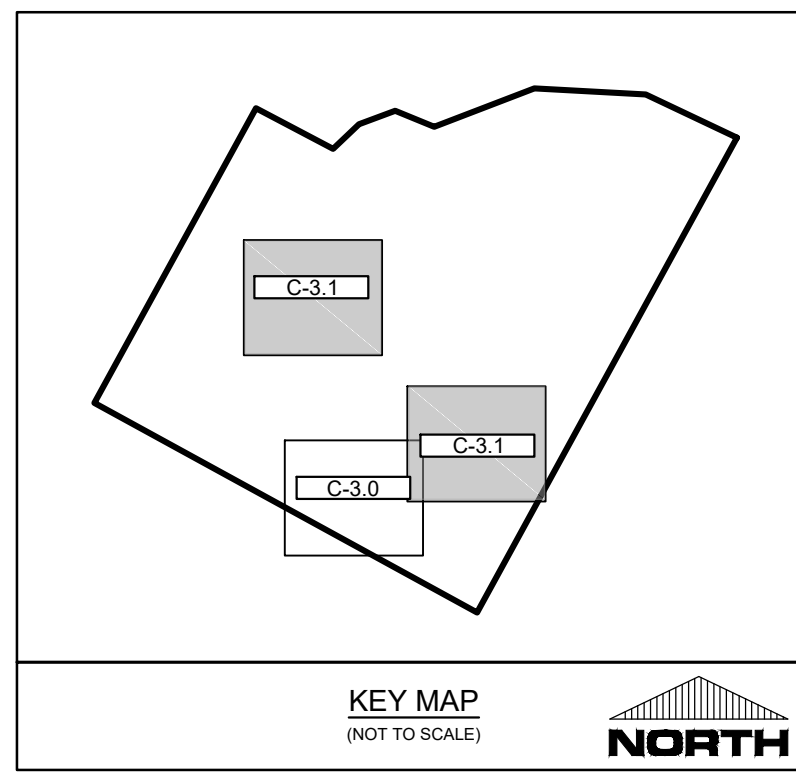
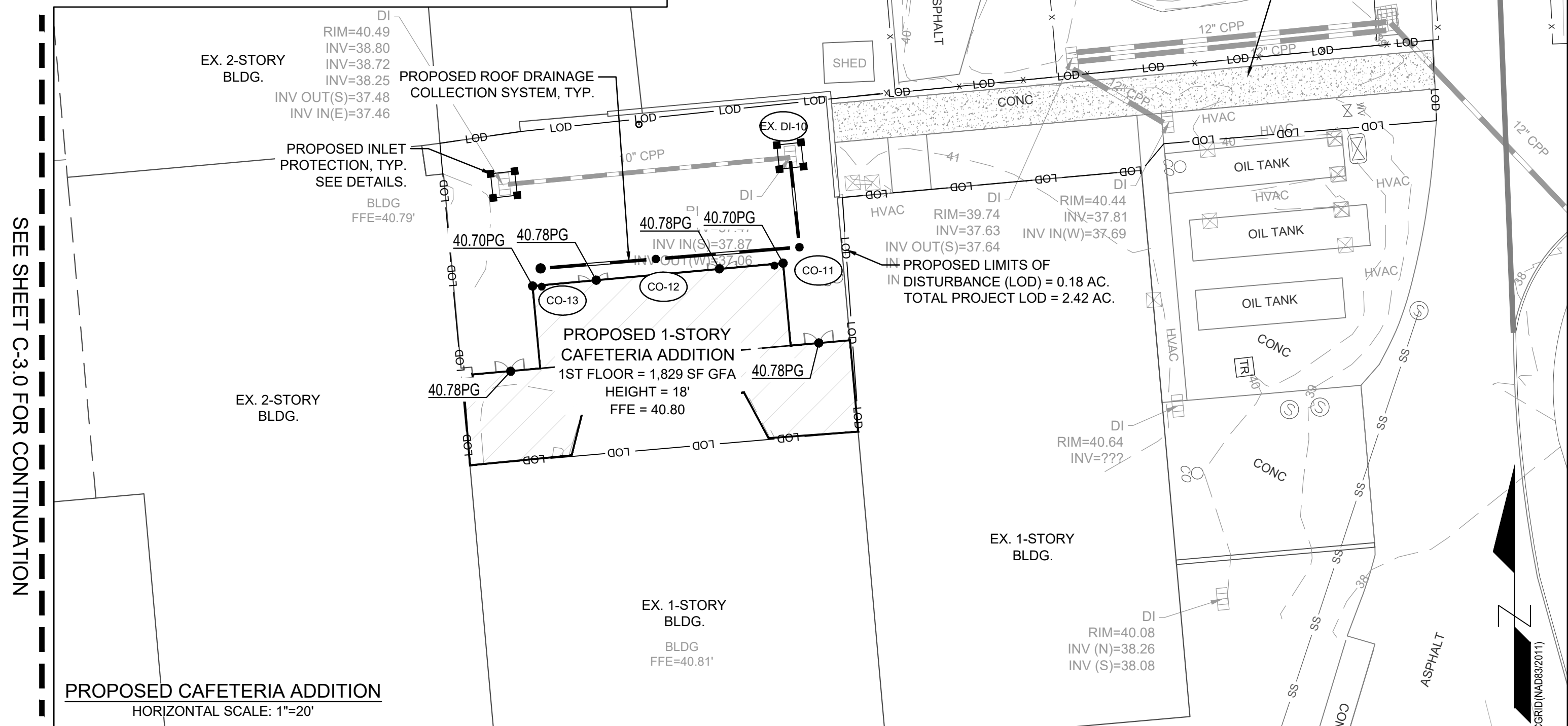
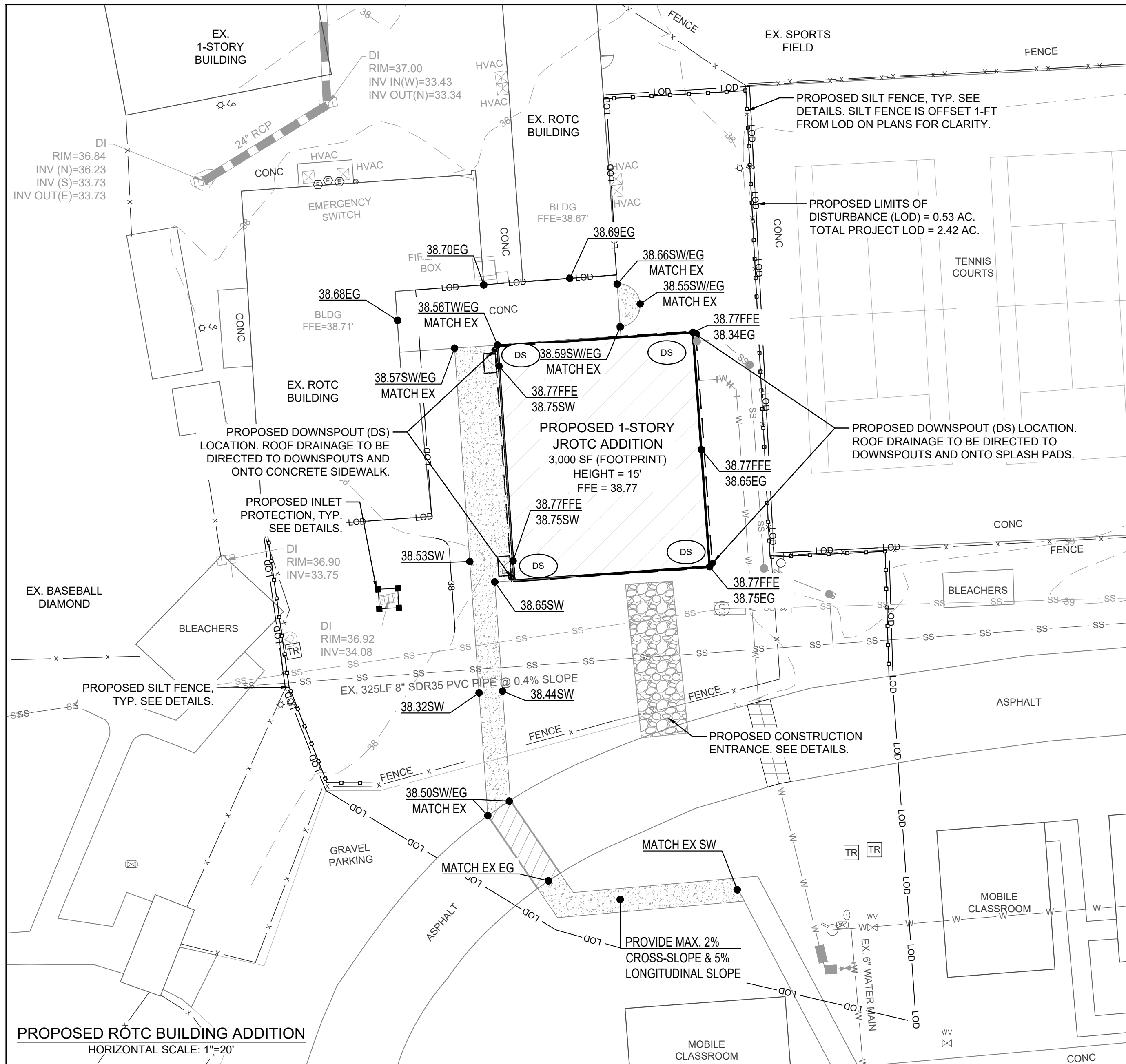
- BUILDING PAD NOTE:
1. SITE CONTRACTOR SHALL STRIP TOPSOIL AND ANY UNSUITABLE MATERIAL AND PROVIDE CUT/FILL OPERATIONS TO PROVIDE A COMPACTED CONTROLLED BUILDING PAD, IN ACCORDANCE WITH THE SUBSURFACE GEOTECHNICAL EXPLORATION AND/OR THE TECHNICAL SPECIFICATIONS.

- STORMWATER NOTE:
1. THERE ARE SEVEN (7) DRAINAGE AREAS ASSOCIATED WITH THE OVERALL PROPERTY. FOR THIS PROJECT, THE PROPOSED IMPROVEMENTS ARE IN DRAINAGE AREAS (DA) #1, #4, AND #5. DA #1 IS CONSIDERED LOW DENSITY (PRE-1988) AND THEREFORE THERE IS NO EXISTING STORMWATER MANAGEMENT FACILITIES. DA #4 AND #5 BOTH HAVE EXISTING INFILTRATION BASINS. IT HAS BEEN PROPOSED TO CONVERT THE INFILTRATION BASIN (BASIN #2) FOR DA #4 TO A WET DETENTION POND. THERE IS NO ADDITIONAL IMPROVEMENTS WITH THE ASSOCIATED IMPROVEMENTS IN DA #5 AND THEREFORE NO CHANGE TO THE EXISTING INFILTRATION BASIN (BASIN #1) IS REQUIRED.

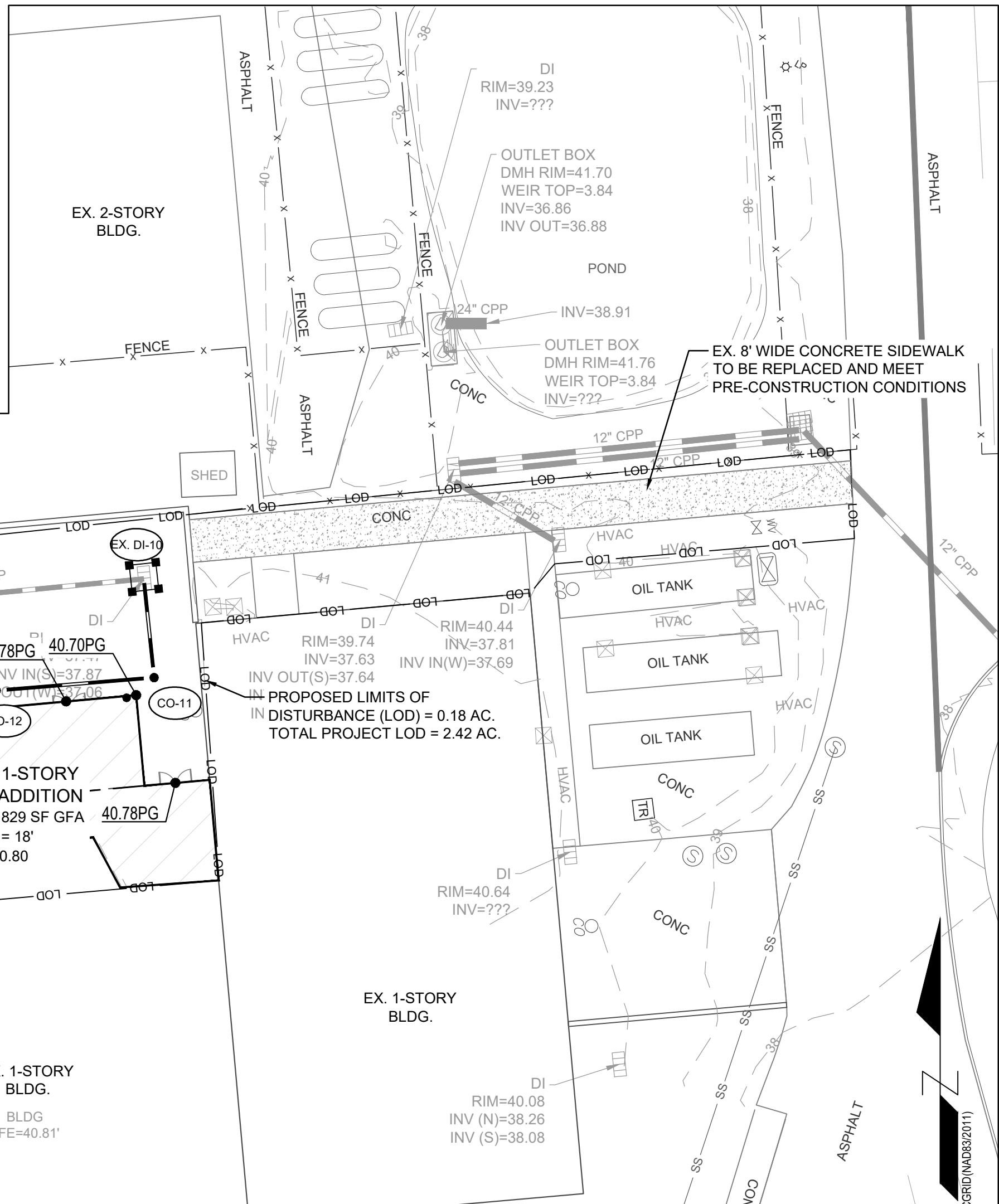
NOTATION:

CI = CURB INLET
DI = DROP INLET
CO = CLEAN OUT
MH = STORM MANHOLE (SEE DETAIL)
FES = FLARED END SECTION
FFE = FINISHED FLOOR ELEVATION

- LEGEND:
- 16 --- EXISTING CONTOUR
--- 29 --- PROPOSED CONTOUR
25.05EG EXISTING SPOT ELEVATION
25.05EP PROPOSED EDGE OF PAVEMENT
25.05SW PROPOSED SIDEWALK ELEVATION
25.05PG PROPOSED GRADE
25.05TW PROPOSED TOP OF WALL
17.15TC EXISTING TOP OF CONCRETE
INLET PROTECTION
LOD LIMITS OF DISTURBANCE
SILT FENCE
TP TREE PROTECTION FENCING
DRAINAGE FLOW PATH
DRAINAGE INLET LABEL



STORM PIPE SCHEDULE									
Upstream Node	Downstream Node	Diameter (in.)	Upstream Invert (ft)	Downstream Invert (ft)	Pipe Length (ft)	Pipe Slope (%)	Upstream Rim Elevation (ft)	Downstream Rim Elevation (ft)	Pipe Material
CO-22	CO-21	6	34.49	34.27	19	1.16%	38.49	37.68	HDPE
CO-21	OF-20	8	34.27	33.92	29	1.20%	37.68	36.59	HDPE
CO-23	CO-21	6	34.33	34.27	18	0.33%	36.97	37.68	HDPE
CO-24	CO-23	6	34.39	34.33	19	0.31%	36.89	36.97	HDPE
CO-31	CO-30	8	36.48	36.09	33	1.04%	40.00	40.00	HDPE
CO-30	CO-29	8	36.09	35.84	25	0.87%	40.00	40.00	HDPE
CO-29	CO-28	8	35.84	35.57	33	0.72%	40.00	40.00	HDPE
CO-28	CO-27	8	35.57	35.54	9	0.33%	40.00	39.80	HDPE
CO-27	CO-26	8	35.54	34.27	96	1.33%	39.80	37.50	HDPE
CO-26	OF-25	8	34.27	33.90	64	0.58%	37.50	36.57	HDPE
CO-13	CO-12	6	38.23	38.11	20	0.50%	40.50	40.70	HDPE
CO-12	CO-11	6	38.11	37.96	26	0.50%	40.70	40.70	HDPE
CO-11	DI-10	6	37.96	37.87	16	0.50%	40.70	40.50	HDPE
EX. MH	FES-1	24	34.80	34.00	20	4.00%	37.47	N/A	HDPE
POND OUTLET	NCDOT-DI	15	34.00	31.75	60	3.75%	36.00	34.30	RCP, CL. III



FINAL DESIGN - RELEASED FOR BIDDING ONLY

REVISIONS:

1) PROPANE TANK CONCRETE PAD W/ ENCLOSURE & 6" WIDE SIDEWALK 05/04/20

CLIENT INFORMATION:

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3333 JAFFLE DRIVE, SUITE 120
WILMINGTON, NC 28403

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GRADING-DRAINAGE-EC PLAN

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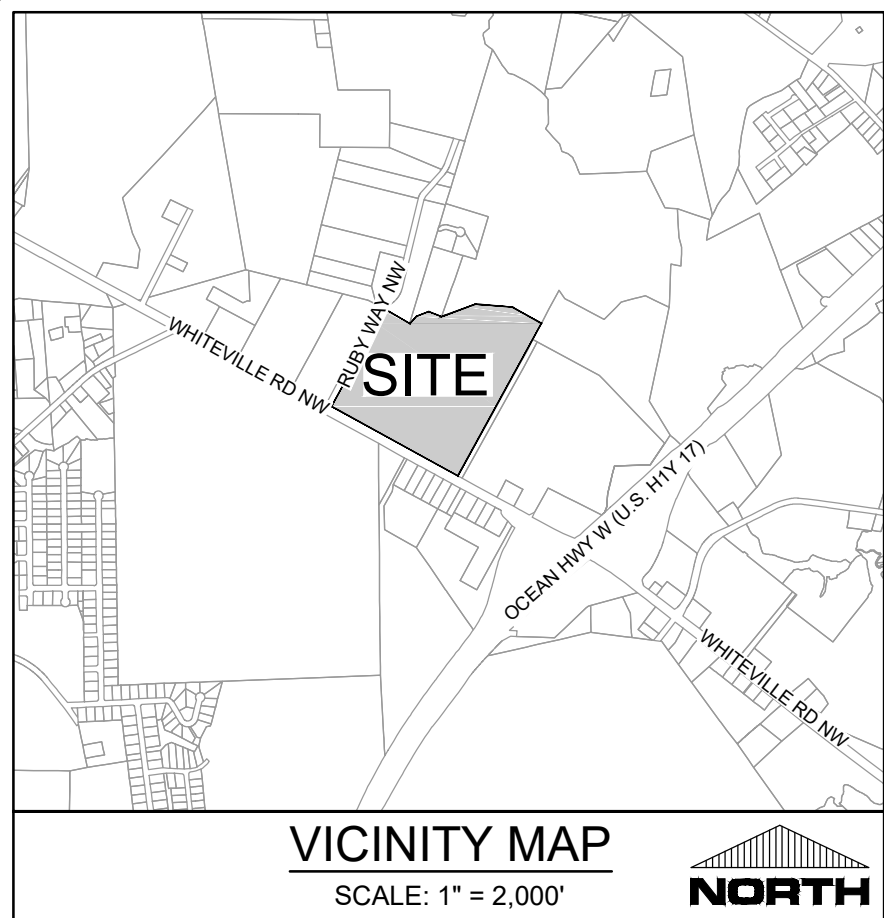
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SEAL:
NORTH CAROLINA
PROFESSIONAL
ENGINEER
ROBERT P. BALLARD
031591
05/04/20

C-3.1

PEI JOB#: 19249.PE



SITE INFORMATION
OWNER INFORMATION:
PROJECT NAME:
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PARCEL ID:
PARCEL PIN:
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CURRENT ZONING:
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TOTAL SITE AREA:
FLOOD INFORMATION:

BRUNSWICK COUNTY SCHOOLS
35 REFERENDUM DRIVE NE
BOLIVIA, NC 28422
W. BRUNSWICK HIGH SCHOOL ADDITIONS
550 WHITEVILLE ROAD N.W.
SHALLOTTE, NC 28470
18100019
107816849878
BK 00010, PG 0010
HB
HIGH SCHOOL
HIGH SCHOOL
53.58 AC (2,333,945 SF)
THIS PARCEL LIES WITHIN AN AREA OF
MINIMAL FLOOD HAZARD (ZONE X) AS
INDICATED BY FEMA FLOOD ZONE MAP
NUMBER 3720107800K BEARING AN
EFFECTIVE DATE OF 08/28/2018.

UTILITY INFORMATION
CONTRACTOR SHALL INSTALL WATER AND SEWER SERVICES IN ACCORDANCE WITH TOWN OF SHALLOTTE AND BRUNSWICK COUNTY STANDARD DETAILS AND SPECIFICATION.

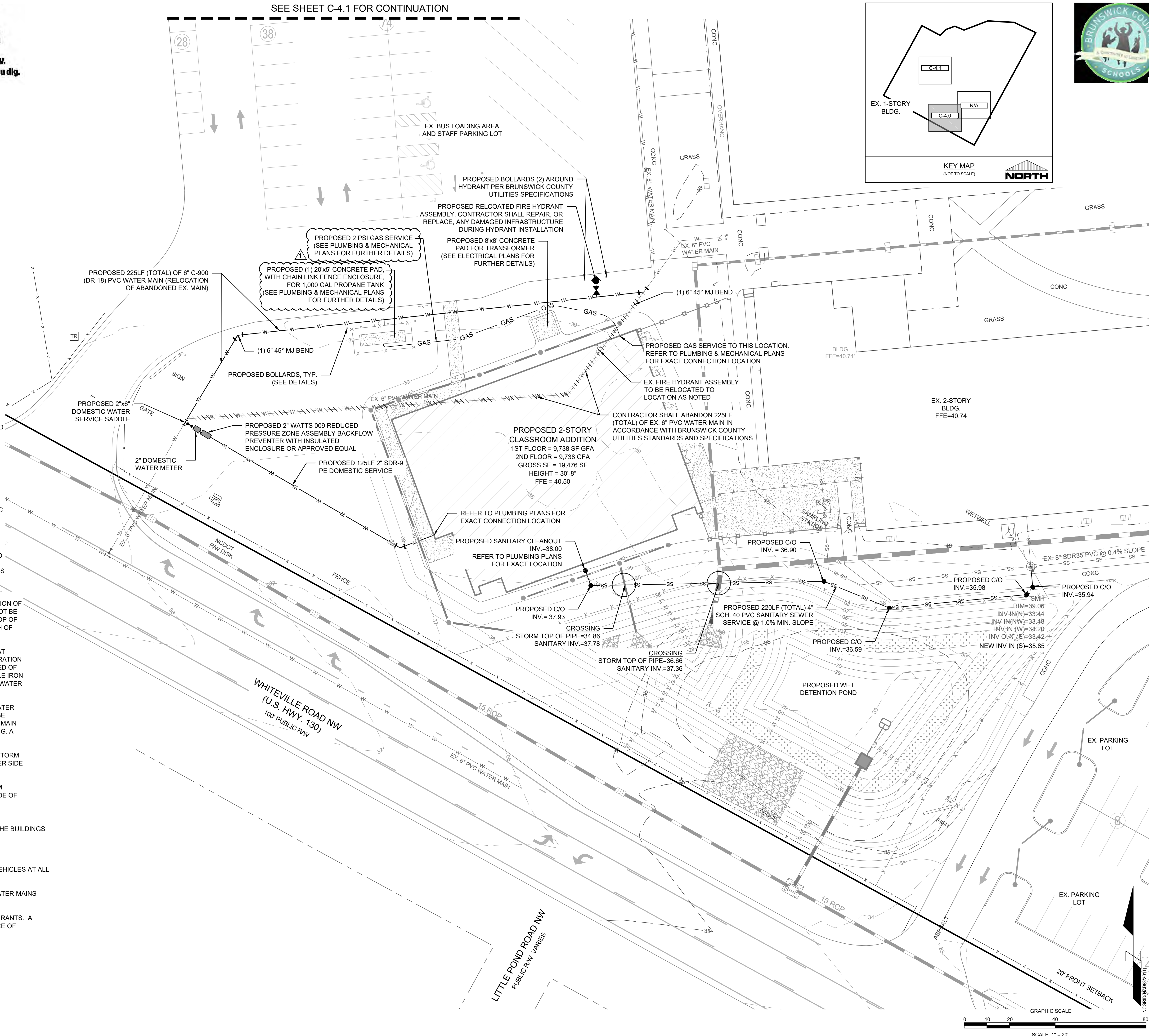
SANITARY SEWER
THIS PROJECT IS PROPOSING A 4" SANITARY SEWER SERVICE FOR BOTH THE ROTC AND CLASSROOM ADDITIONS. THESE SERVICES WILL BE CONNECTING TO THE EXISTING MAINS AND/OR SERVICES AS SHOWN. THERE ARE NO PROPOSED SANITARY SEWER MAINS WITH THIS PROJECT. THERE ARE NO PROPOSED SANITARY SERVICES FOR THE CAFETERIA ADDITION. ALL SANITARY SEWER ALLOCATION PROVIDED BY TOWN OF SHALLOTTE.

WATER
THIS PROJECT IS PROPOSING A 2" DOMESTIC SERVICE FOR THE ROTC BUILDING ADDITION AND A 2" DOMESTIC SERVICE FOR THE CLASSROOM ADDITION. THESE SERVICES WILL BE CONNECTING TO EXISTING WATER MAINS AND/OR SERVICES AS SHOWN. THIS PROJECT IS ALSO PROPOSING TO RELOCATE A PORTION OF AN EX. 6" PVC WATER MAIN AS SHOWN. THERE ARE NO PROPOSED WATER SERVICES FOR THE CAFETERIA ADDITION. ALL DOMESTIC WATER ALLOCATION PROVIDED BY BRUNSWICK COUNTY.

CONTRACTOR TO CONTACT BRUNSWICK COUNTY UTILITIES (WILLIAM PINNIX OR AMY AYOCK) TO SCHEDULE PRE-CONSTRUCTION MEETING. PRE-CON MUST BE SCHEDULED AND COMPLETED PRIOR TO CONSTRUCTION START. CONTRACTOR TO COORDINATE SHUT DOWN AND RELOCATION OF EX. WATER MAIN WITH BRUNSWICK COUNTY UTILITIES AND BRUNSWICK COUNTY SCHOOLS.

- UTILITY NOTES: (NCAC 15A.02T.0305 / T15A.18C.0906)**
1. WATER MAINS SHALL BE LAID SO AS TO PROVIDE A MINIMUM HORIZONTAL SEPARATION OF 10 FEET FROM SEWERS. IF CONDITIONS EXIST SUCH THAT THIS SEPARATION CANNOT BE ACHIEVED, THE WATER MAIN CAN BE INSTALLED AT LEAST 18 INCHES ABOVE THE TOP OF THE SEWER, EITHER IN A SEPARATE TRENCH, OR IN THE SAME TRENCH ON A BENCH OF UNDISTURBED EARTH.
 2. WHEN CROSSING A WATER MAIN OVER A SEWER, THE WATER MAIN SHALL BE LAID AT LEAST 18 INCHES ABOVE THE SEWER. IF CONDITIONS EXIST SUCH THAT THIS SEPARATION CANNOT BE ACHIEVED, BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE WITH JOINTS THAT MEET WATER MAIN STANDARDS. THE DUCTILE IRON PIPE SHALL EXTEND 10 FEET ON EACH SIDE OF THE CROSSING WITH A SECTION OF WATER MAIN PIPE CENTERED ON THE CROSSING.
 3. CROSSING A WATER MAIN UNDER A SEWER, WHENEVER IT IS NECESSARY FOR A WATER MAIN TO CROSS UNDER A SEWER, BOTH THE WATER MAIN AND THE SEWER SHALL BE CONSTRUCTED OF FERROUS MATERIALS AND WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS FOR A DISTANCE OF 10 FEET ON EACH SIDE OF THE POINT OF CROSSING. A SECTION OF WATER MAIN PIPE SHALL BE CENTERED AT THE POINT OF CROSSING.
 4. WHERE VERTICAL CLEARANCE IS LESS THAN 24" BETWEEN SANITARY SEWER AND STORM DRAIN, SANITARY SEWER SHALL BE DUCTILE IRON PIPE FOR A MINIMUM OF 10' EITHER SIDE OF CROSSING AND STORM DRAIN SHALL BE RC PIPE.
 5. WHERE VERTICAL CLEARANCE IS LESS THAN 18" BETWEEN WATER MAIN AND STORM DRAIN, WATER MAIN SHALL BE DUCTILE IRON PIPE FOR A MINIMUM OF 10' EITHER SIDE OF CROSSING AND STORM DRAIN SHALL BE RC PIPE.

- FIRE & LIFE SAFETY NOTES:**
1. NEW HYDRANTS MUST BE AVAILABLE FOR USE PRIOR TO CONSTRUCTION OF THE BUILDINGS WITHIN ANY DEVELOPMENT.
 2. HYDRANTS MUST BE LOCATED WITHIN 8' OF THE CURB.
 3. CONTRACTOR SHALL MAINTAIN AN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
 4. A MINIMUM OF 4" SHALL SEPARATE UNDERGROUND FIRE LINES OR PRIVATE WATER MAINS FROM OTHER UNDERGROUND UTILITIES.
 5. LANDSCAPING OR PARKING CAN NOT BLOCK OR IMPEDE THE FDC OR FIRE HYDRANTS. A 3-FOOT (3') CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF HYDRANTS AND FDC.



SEE SHEET C-4.1 FOR CONTINUATION

SEE SHEET C-2.5 FOR CONTINUATION

811
Know what's below.
Call before you dig.

BRUNSWICK COUNTY
SCHOOLS
A Community of Learners

VICINITY MAP
SCALE: 1" = 2,000'

NORTH

KEY MAP
(NOT TO SCALE)

NORTH

EX. 1-STORY BLDG.

EX. 2-STORY BLDG.
FFE=40.74

EX. BUS LOADING AREA
AND STAFF PARKING LOT

EX. PARKING LOT

PROPOSED 225LF (TOTAL) OF 6" C-900
(DR-18) PVC WATER MAIN (RELOCATION
OF ABANDONED EX. MAIN)

PROPOSED 2 PSI GAS SERVICE
(SEE PLUMBING & MECHANICAL
PLANS FOR FURTHER DETAILS)

PROPOSED (1) 20'x5' CONCRETE PAD,
WITH CHAIN LINK FENCE ENCLOSURE,
FOR 1,000 GAL PROPANE TANK
(SEE PLUMBING & MECHANICAL PLANS
FOR FURTHER DETAILS)

PROPOSED 2" WATTS 009 REDUCED
PRESSURE ZONE ASSEMBLY BACKFLOW
PREVENTER WITH INSULATED
ENCLOSURE OR APPROVED EQUAL

PROPOSED 125LF 2" SDR-9
PE DOMESTIC SERVICE

PROPOSED 2" DOMESTIC WATER
SERVICE SADDLE

2" DOMESTIC
WATER METER

PROPOSED BOLLARDS, TYP.
(SEE DETAILS)

PROPOSED BOLLARDS (2) AROUND
HYDRANT PER BRUNSWICK COUNTY
UTILITIES SPECIFICATIONS

PROPOSED RELOCATED FIRE HYDRANT
ASSEMBLY. CONTRACTOR SHALL REPAIR, OR
REPLACE, ANY DAMAGED INFRASTRUCTURE
DURING HYDRANT INSTALLATION

PROPOSED 8'x8' CONCRETE
PAD FOR TRANSFORMER
(SEE ELECTRICAL PLANS FOR
FURTHER DETAILS)

PROPOSED GAS SERVICE TO THIS LOCATION.
REFER TO PLUMBING & MECHANICAL PLANS
FOR EXACT CONNECTION LOCATION.

EX. FIRE HYDRANT ASSEMBLY
TO BE RELOCATED TO
LOCATION AS NOTED

CONTRACTOR SHALL ABANDON 225LF
(TOTAL) OF EX. 6" PVC WATER MAIN IN
ACCORDANCE WITH BRUNSWICK COUNTY
UTILITIES STANDARDS AND SPECIFICATIONS

PROPOSED 2-STORY
CLASSROOM ADDITION
1ST FLOOR = 9,738 SF GFA
2ND FLOOR = 9,738 SF GFA
GROSS SF = 19,476 SF
HEIGHT = 30'-8"
FFE = 40.50

REFER TO PLUMBING PLANS FOR
EXACT CONNECTION LOCATION

PROPOSED SANITARY CLEANOUT
INV.=38.00
REFER TO PLUMBING PLANS
FOR EXACT LOCATION

PROPOSED C/O
INV. = 36.90

PROPOSED C/O
INV. = 37.93

CROSSING
STORM TOP OF PIPE=34.86
SANITARY INV.=37.78

CROSSING
STORM TOP OF PIPE=36.66
SANITARY INV.=37.36

PROPOSED 220LF (TOTAL) 4"
SCH. 40 PVC SANITARY SEWER
SERVICE @ 1.0% MIN. SLOPE

PROPOSED C/O
INV.=36.59

PROPOSED C/O
INV.=35.98

PROPOSED C/O
INV.=35.94

PROPOSED WET
DETENTION POND

EX. 8" SDR35 PVC @ 0.4% SLOPE

SMH
RIM=39.06
INV IN (N)=33.44
INV IN (NW)=33.48
INV IN (W)=34.20
INV IN (E)=33.42
NEW INV IN (S)=35.85

WHITEVILLE ROAD NW
(U.S. HWY. 130)
100' PUBLIC R/W

15 RCP

EX. 6" PVC WATER MAIN

15 RCP

20' FRONT SETBACK

GRAPHIC SCALE

SCALE: 1" = 20'

REVISIONS:

1) PROPANE TANK CONCRETE PAD W/ ENCLOSURE & 6" WIDE SIDEWALK 05/04/20

CLIENT INFORMATION:

BECKER MORGAN GROUP
3333 JACCKLE DRIVE, SUITE 120
WILMINGTON, NC 28403

PARAMOUNT ENGINEERING, INC.

122 Cinema Drive
Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6760 (F)
NC License # C-2846

UTILITY PLAN

W. BRUNSWICK HIGH SCHOOL IMPROVEMENTS
550 WHITEVILLE RD NW, SHALLOTTE
BRUNSWICK COUNTY, NC 28470

PROJECT STATUS

DATE: 06/04/20
SCALE: 1" = 20'
DRAWN: RPE
CHECKED: RPE

DRAWING INFORMATION

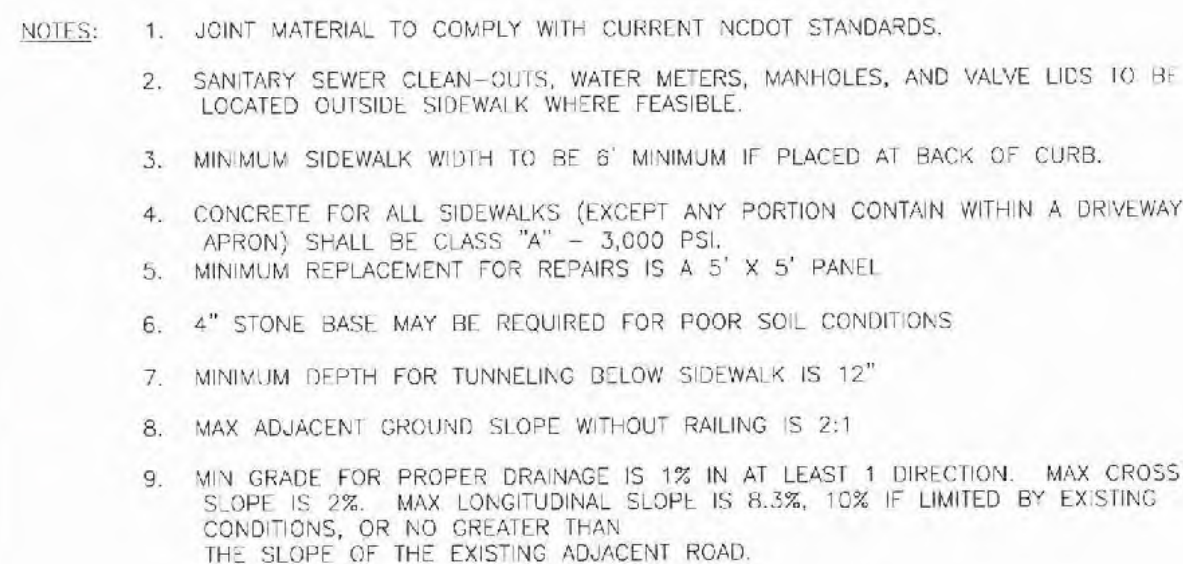
DATE: 06/04/20
SCALE: 1" = 20'
DRAWN: RPE
CHECKED: RPE

SEAL

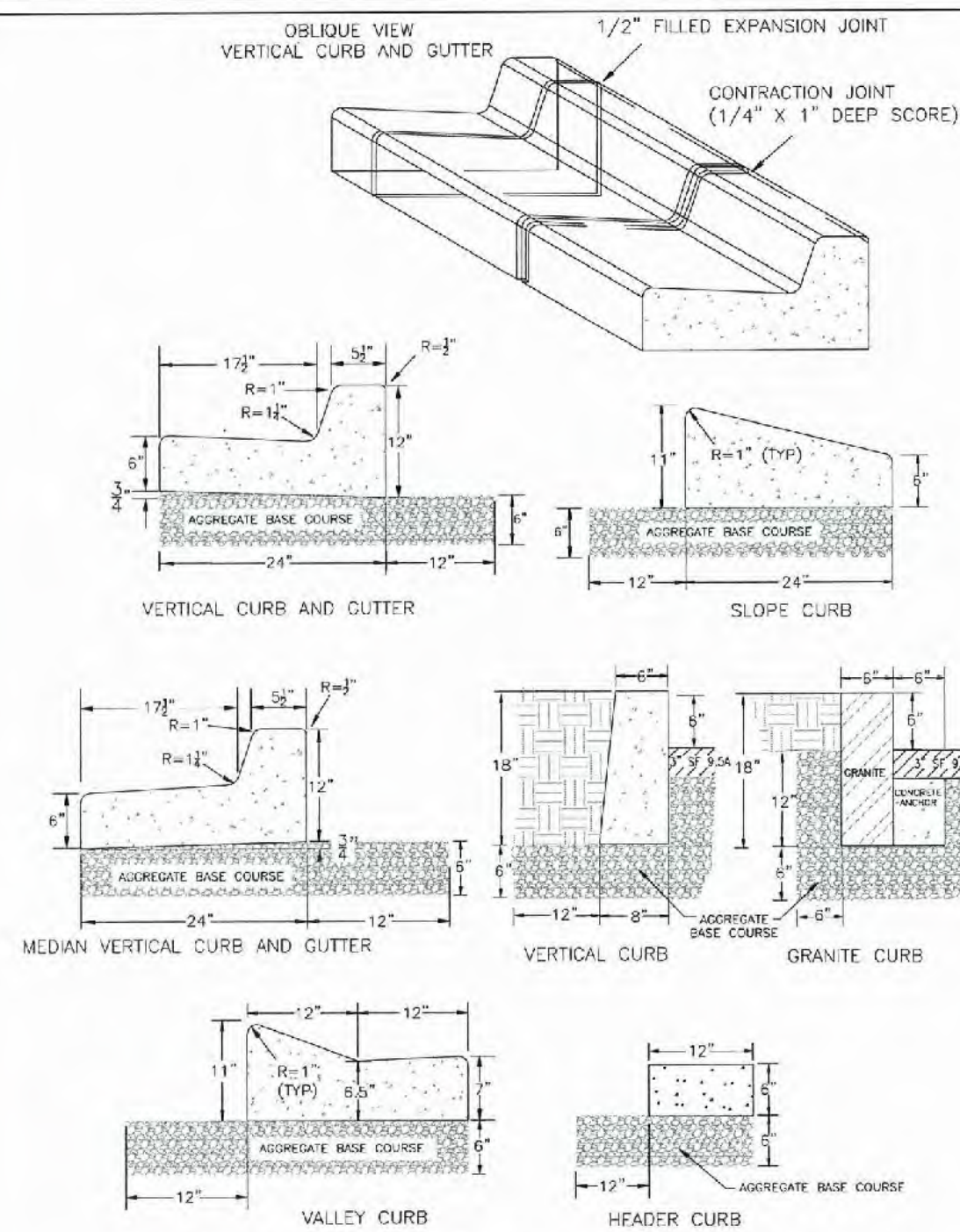
PROFESSIONAL SEAL
031591
ENGINEER
ROBERT P. BALLARD
05/04/20

C-4.0

PEI JOB#: 19249.PE



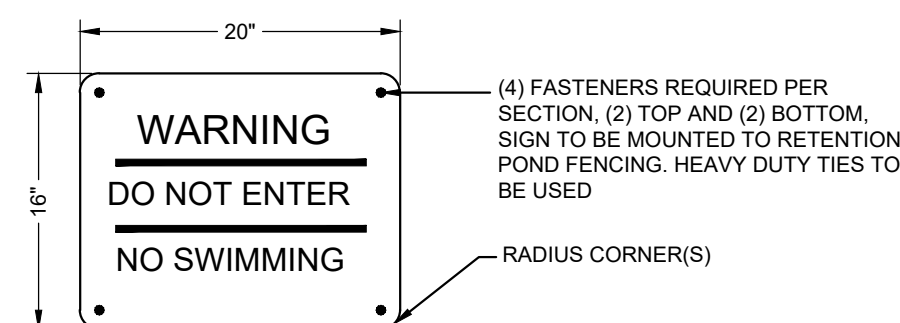
TYPICAL SIDEWALK DETAIL
NOT TO SCALE



TYPICAL CURBING DETAIL
NOT TO SCALE

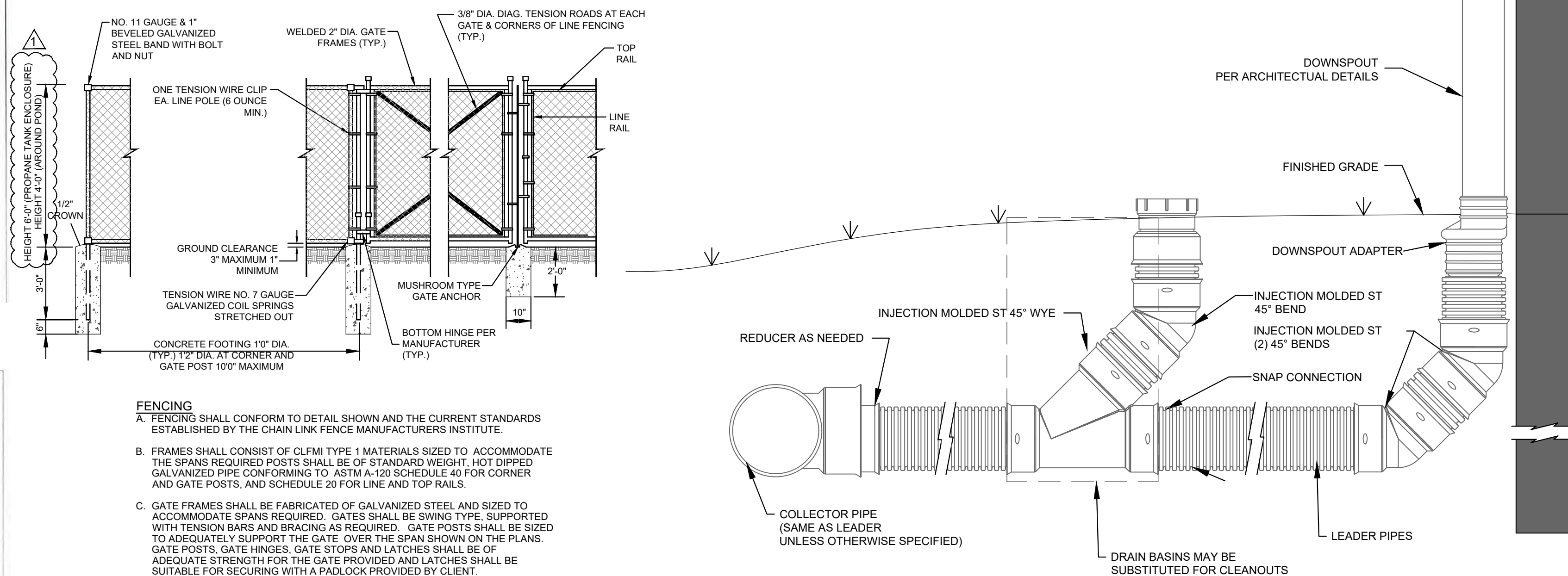
DIMENSIONS AND WEIGHTS: NOMINAL DIAMETER AND MINIMUM WEIGHTS FOR ALL CHAIN LINK POSTS, FRAMES AND GATES SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE:

USE AND SECTION	OUTSIDE DIAMETER NOMINAL INCHES	MINIMUM WT. PER FOOT NOMINAL INCHES
END CORNER AND FULL POST (TUBULAR FABRIC TUBES, 6"0" AND LESS: ROUND	2.375	3.65
OVER 6"0": ROUND	2.875	5.79
INTERMEDIATE POST FOR FABRIC TUBES (TUBULAR) 6"0" AND LESS	1.90	2.72
OVER 6"0"	2.375	3.66
RAILS AND POST BRACES	1.66	1.35
GATE POSTS FOR NOMINAL WIDTH GATE SINGLE OR ONE LEAF OF DOUBLE GATE WIDTH 6"0" OR LESS: ROUND	2.875	5.79
13"0" OR LESS: ROUND	4.00	9.10
13"0" TO 18"0": ROUND	6.625	18.97
OVER 18"0"	6.625	24.70
GATE FRAMES 6"0" OR LESS IN HEIGHT 8"0" OR LESS IN WIDTH: ROUND	1.660	1.806
GATE FRAMES OVER 6"0" IN HEIGHT OVER 8"0" IN WIDTH: ROUND	1.90	2.72



GENERAL SPECIFICATIONS:
 .080" SINGLE FACE FLAT ALUMINUM DOUBLE PANEL LINEAR WALL SIGN
 WITH VINYL GRAPHICS IN COLORS AS SHOWN

COLORS:
BACKGROUND - GREEN (TBD)
LETTERING - WHITE

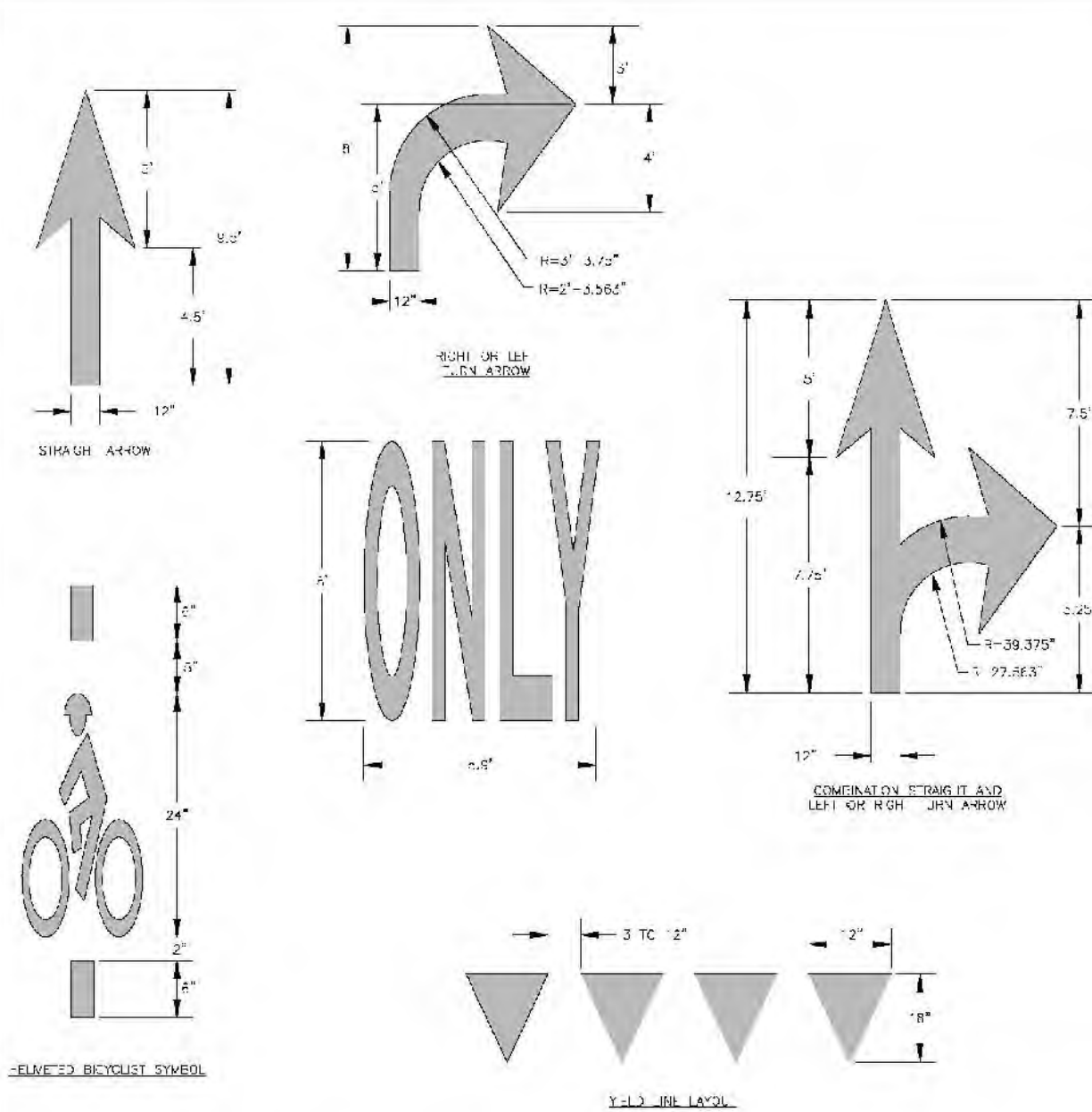


NOTES:

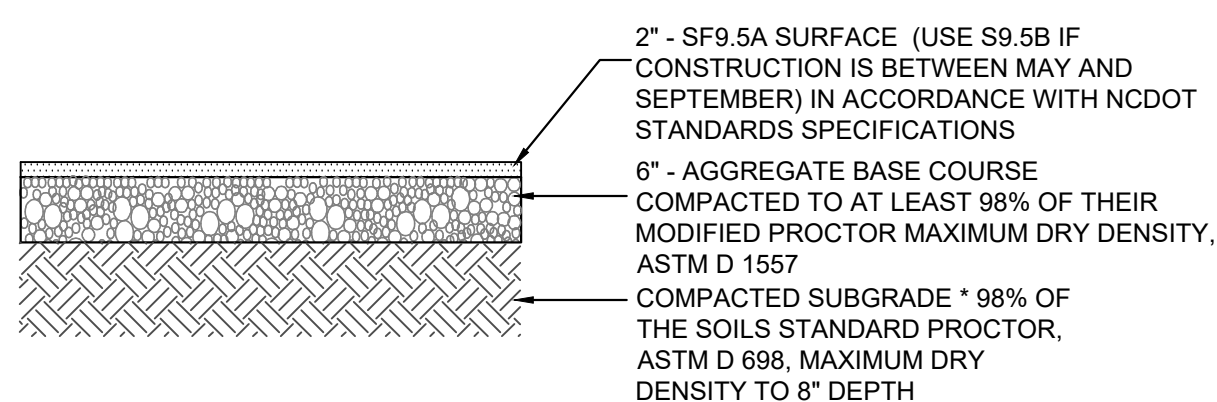
- 1) FOR ALL DEPTHS OF COVER LESS THAN TWO (2) FEET, PIPE MUST BE SCHEDULED 40 PVC. FOR DEPTHS OF COVER GREATER THAN TWO (2) FEET, FLEXIBLE PIPE MAY BE USED.
- 2) THE DOWNSPOUT COLLECTION DRAIN SHALL BE INSTALLED BEFORE THE DOWNSPOUTS ARE INSTALLED ON THE BUILDING. SITE WORK CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WITH THE DRAIN CONTRACTOR FOR THE ARCHITECTURE PLANS. BUILDING CONTRACTOR IS NORMALLY RESPONSIBLE FOR FOR EXTENDING DOWNSPOUT THROUGH CAP.
- 3) INSTALL PIPES CLEAR OF PORCHES, BOLLARDS, AND OTHER BUILDING APPEARANCES.
- 4) POP-UP DRAIN EMITTERS MAY BE USED AT THE END OF LEADER PIPES AS LONG AS WATER DRAINS TOWARD THE PERMITTED STORMWATER DEVICE AFTER SURFACING.
- 5) STONE MAY BE ADDED AROUND PIPES FOR SOIL DRAINAGE AS WELL AS PIPE STRUCTURAL.

Schedule	
Downspout	Leader Pipe
2" x 3"	6" Dia.
3" x 4"	6" Dia.
4" x 5"	8" Dia.
5" x 5"	8" Dia.
6" x 6"	12" Dia.
3 3/4" Dia.	6" Dia.
5 5/8" Dia.	8" Dia.

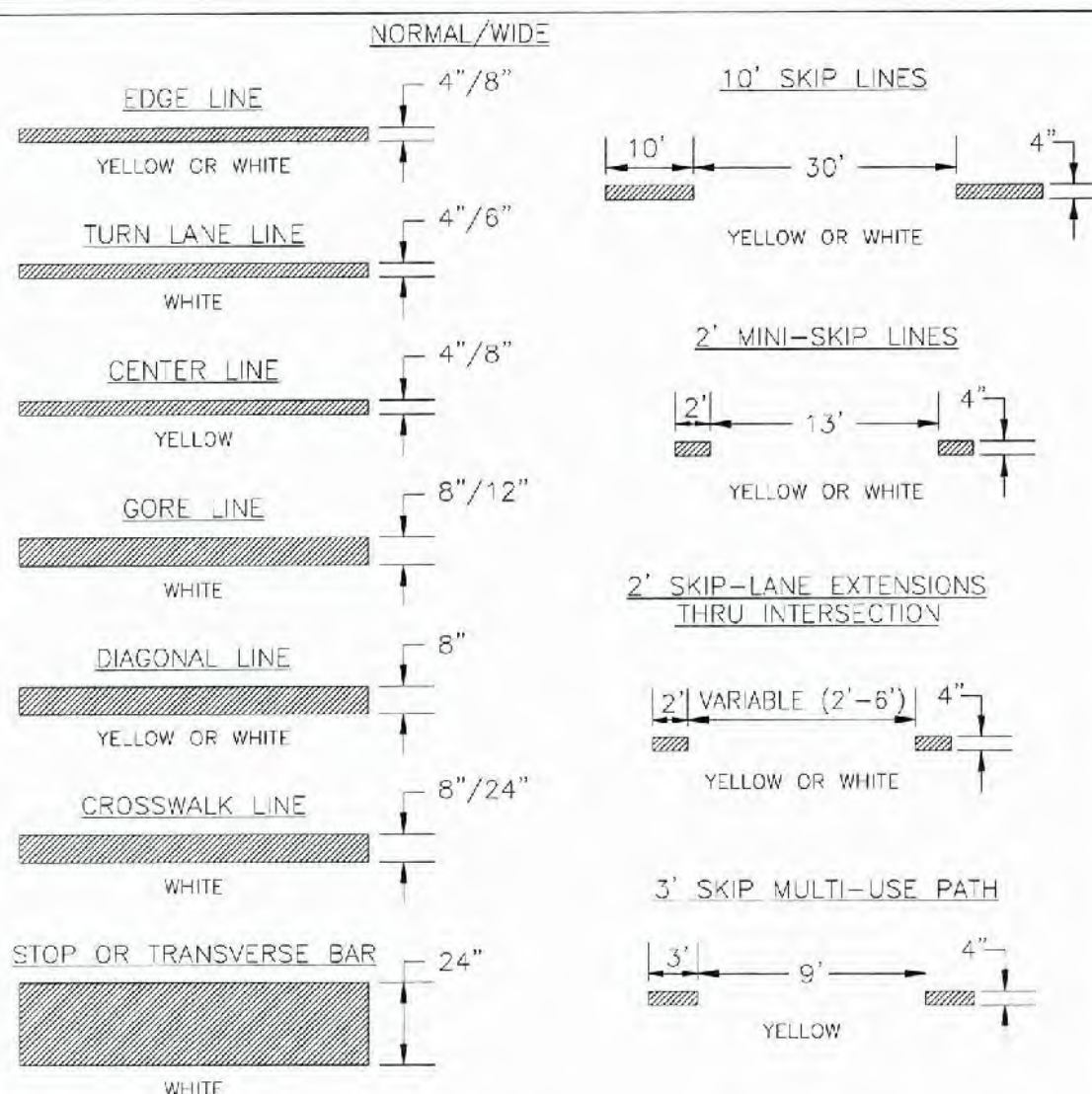
TYPICAL ROOF DRAINAGE WITH CLEANOUT
NOT TO SCALE



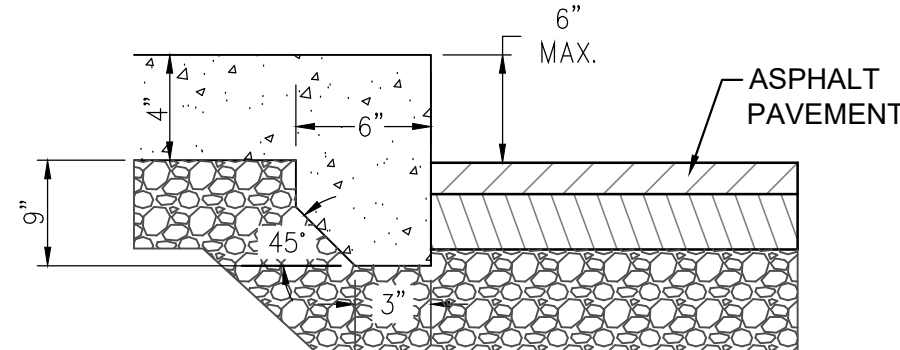
**TYPICAL DETAIL FOR PAVEMENT
MARKINGS & SYMBOLS**
NOT TO SCALE



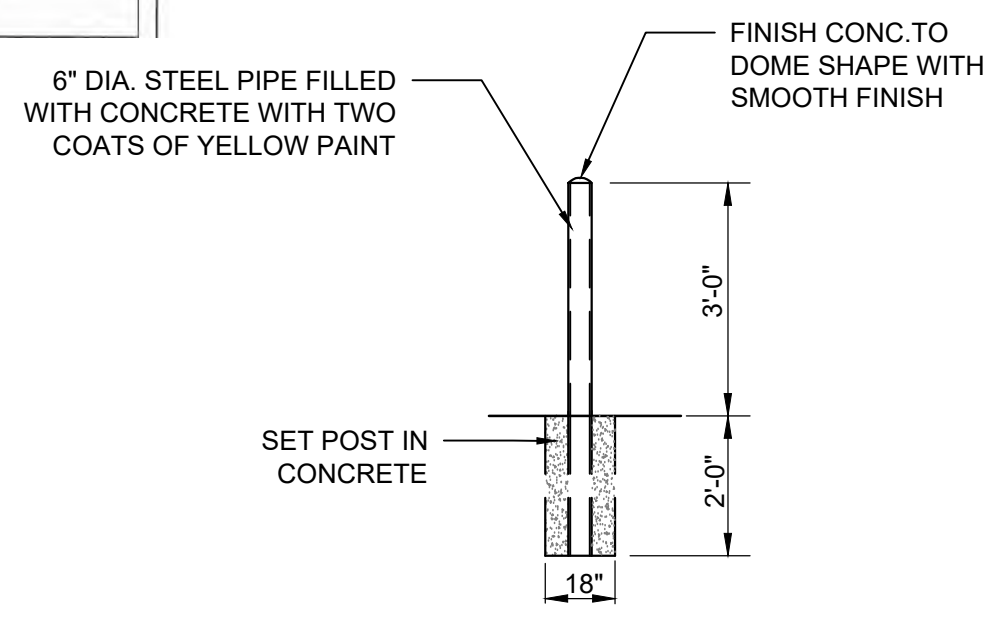
LIGHT DUTY ASPHALT
PAVEMENT SECTION
N.T.S.



**TYPICAL DETAIL FOR PAVEMENT
MARKINGS LINE TYPES**
NOT TO SCALE



EXPOSED FACE CONCRETE WALK
TO ASPHALT DETAIL
NOT TO SCALE



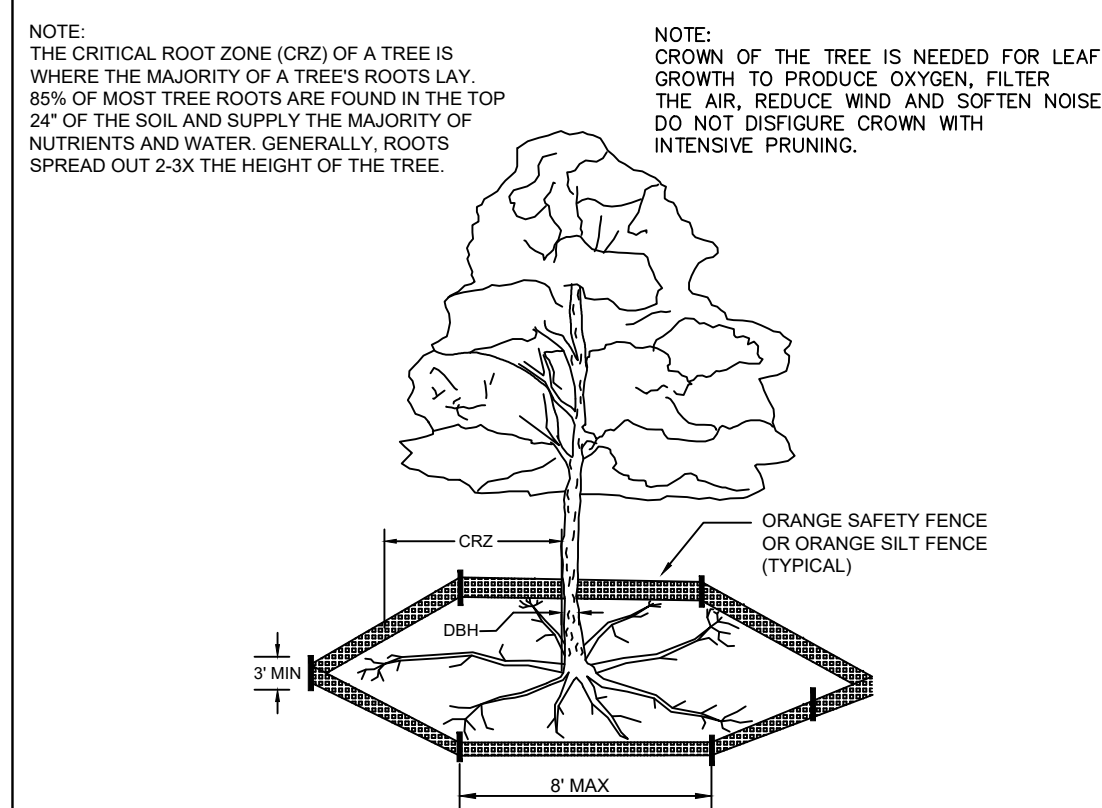
CONCRETE BOLLARD DETAIL

NOT TO SCALE

CHAIN LINK FENCE DETAIL
NOT TO SCALE

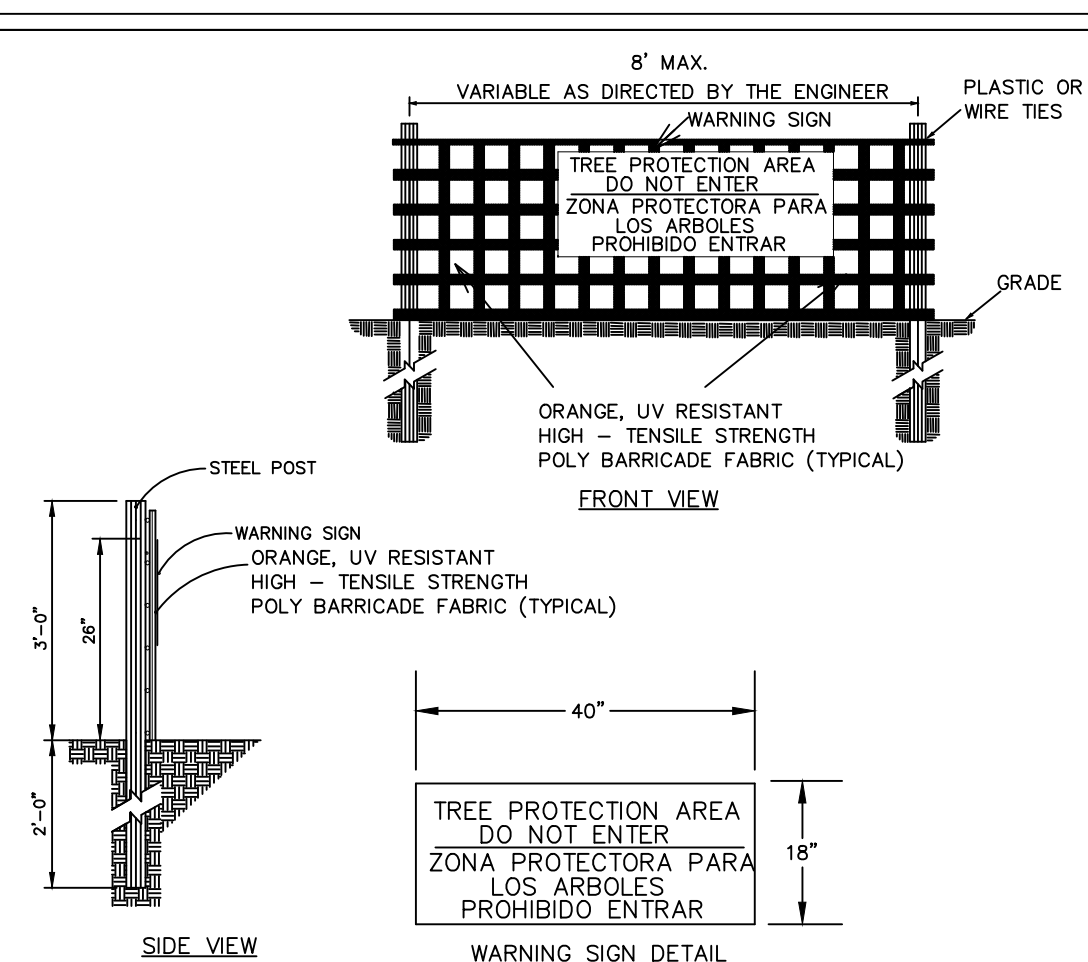
FENCING

- A. FENCING SHALL CONFORM TO DETAIL SHOWN AND THE CURRENT STANDARDS ESTABLISHED BY THE CHAIN LINK FENCE MANUFACTURERS INSTITUTE.
- B. FRAMES SHALL CONSIST OF CLPMI TYPE I MATERIALS SIZED TO ACCOMMODATE THE SPANS REQUIRED POSTS SHALL BE OF STANDARD WEIGHT HOT DIPPED GALVANIZED STEEL. GATES SHALL BE 8' HIGH WITH 6" SQUARE CORNER AND GATE POSTS, AND SCHEDULE 20 FOR LINE AND TOP RAILS.
- C. GATE FRAMES SHALL BE FABRICATED OF GALVANIZED STEEL AND SIZED TO ACCOMMODATE SPANS REQUIRED. GATES SHALL BE SWING TYPE, SUPPORTED BY TWO SIDE RAILS. GATES SHALL BE 8' HIGH WITH 6" SQUARE CORNERS TO ADEQUATELY SUPPORT THE GATE OVER THE SPAN SHOWN ON THE PLANS. GATE POSTS, GATE HINGES, GATE STOPS AND LATCHES SHALL BE OF AN ALUMINUM BRASS OR HARDER METAL FINISH WHICH SHALL BE SUITABLE FOR SECURING WITH A PADLOCK PROVIDED BY CLIENT.
- D. EACH SWING GATE WITHIN ASPHALT AREA SHALL INCLUDE A GALVANIZED WHEEL ASSEMBLY CAPABLE OF SUPPORTING THE SWINGING GATE AND A GALVANIZED DROP ROD FOR SECURING THE GATE IN THE OPEN AND CLOSED POSITION.
- E. FENCE FABRIC SHALL BE 2 INCH MESE, 9-GAUGE CHEMICALLY CLEANED AND ZINC COATED, BLACK VINYL, CONFORMING TO ASTM A-392 FOR CLASS 2 FABRIC. PRIVACY SLATS CONFORMING TO ASTM F3000 / F300M - (12-20)SHALL BE FABRICATED OF 1/2" X 4" X 1/4" ALUMINUM EXTRUSION WITH 1/4" ROUNDED ENDS.



- NOTES:
1. PROTECT CRITICAL ROOT ZONE (CRZ) OF TREES PRIOR TO CONSTRUCTION. CLEARLY MARK THE TREES AND ERECT A PROTECTIVE BARRIER AT THE CRZ BARRIER SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE.
 2. CRZ RADIUS IS 1 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
 3. IF CONSTRUCTION OCCURS WITHIN THE CRZ, AT LEAST 12" OF MULCH AND 6" OF TOPSOIL SHALL BE MAINTAINED TO PROTECT THE CRZ. MULCH SHALL BE REPLACED SOIL COMPACTED IN THIS ZONE.
 4. ALL MECHANICAL EQUIPMENT ALWAYS PASS WITHIN CRZ. EXTRA CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ROOTS. ALTERNATE CONSTRUCTION METHODS, SUCH AS A REINFORCED SIDEWALK, SHALL BE IMPLEMENTED AS NECESSARY.
 5. EXTERIOR SIDEWALK SHALL BE CONCRETE OR COATED ASPHALT. NO PAVING BASE OF THE TRUNK IS PROHIBITED. DO NOT COMPACT SOIL BENEATH TREES. NO VEHICLE SHALL BE ALLOWED TO PARK/TURNED TREES. NO MATERIALS OR EQUIPMENT SHALL BE STORED OR PLACED ON THE TRUNK OR BRANCHES OF TREES WITH LAWNMOWERS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED. CONTRACTOR SHALL REPAIR DAMAGE TO TREES.
 6. ANY VIOLATION OF THIS ORDER OR VIOLATION OF ANY MEASURES SHALL RESULT IN A STOP WORK ORDER AND FINE OF \$500/DAY. DISTURBANCE OTHER THAN THAT ALLOWED ON THE APPROVED PLAN WILL REQUIRE OWNER TO POST A LETTER OF CREDIT FOR

TYPICAL DETAIL FOR TREE PROTECTION
DURING CONSTRUCTION
NOT TO SCALE



- NOTES:
1. THE TREE PROTECTION FENCING SHALL NOT BE VIOLATED FOR THE ENTIRE DURATION OF THE PROJECT WITHOUT APPROVAL FROM URBAN FORESTRY STAFF.
2. WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL. LETTERS TO BE 3" HIGH, MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
3. SIGNS SHALL BE PLACED AT 90' MAXIMUM INTERVALS. PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER. FOR TREE PROTECTION AREAS LESS THAN 100' IN PERIMETER, PROVIDE NO LESS THAN TWO SIGNS PER PROTECTION AREA.
4. ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC. MAINTAIN TREE PROTECTION FENCING THROUGHOUT DURATION OF PROJECT.
5. TREE PROTECTION FENCING AND SIGNAGE SHALL BE REMOVED AFTER CONSTRUCTION.
6. ADDITIONAL SIGNS MAY BE REQUIRED BY CITY OF WILMINGTON, BASED ON ACTUAL FIELD CONDITIONS.



REVISIONS:

PARAMOUNT

DETAILS
W. BRUNSWICK HIGH SCHOOL IMPROVEMENTS
550 WHITEVILLE RD NW, SHALLLOTTE
BRUNSWICK COUNTY, NC 28470

DETAILS

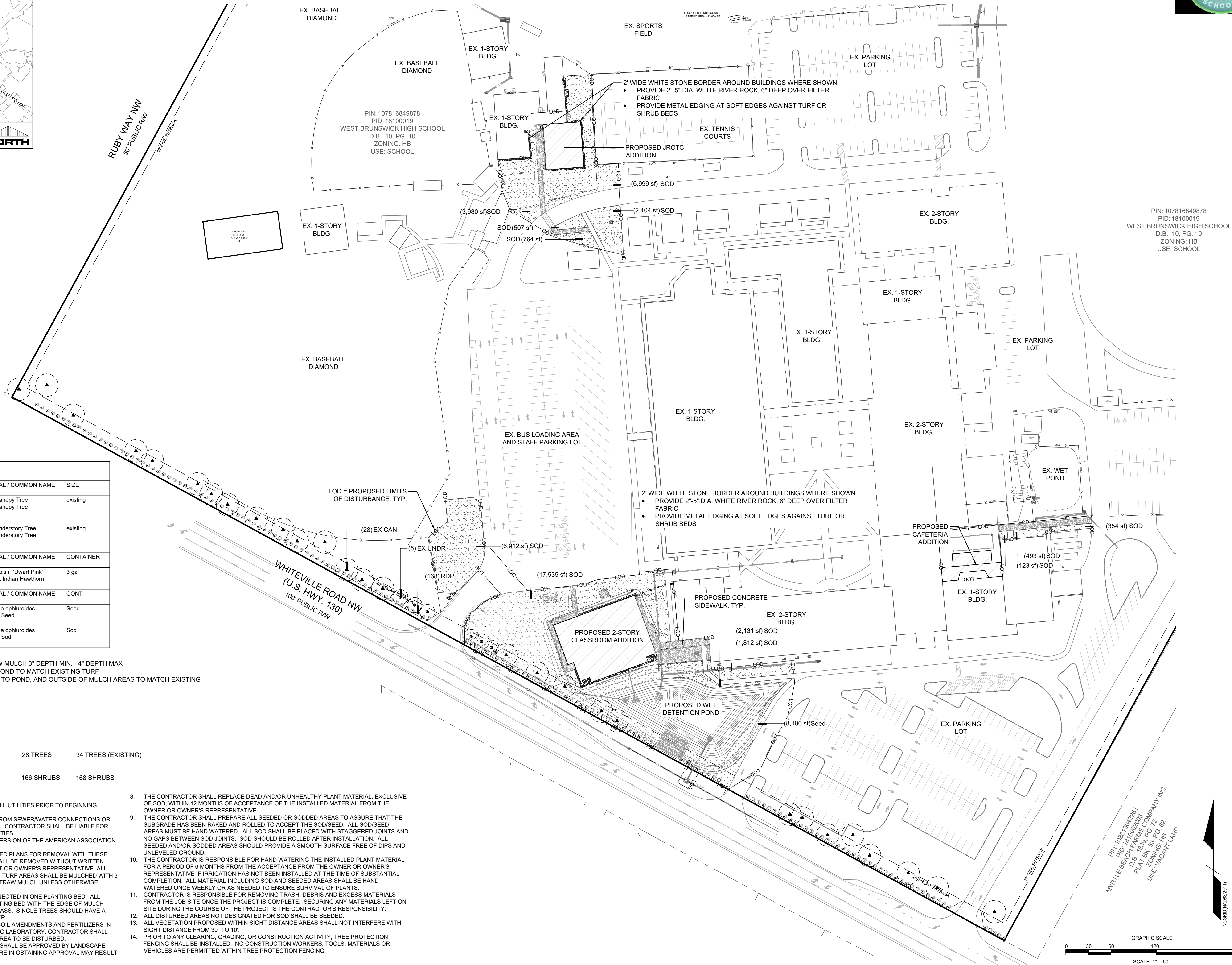
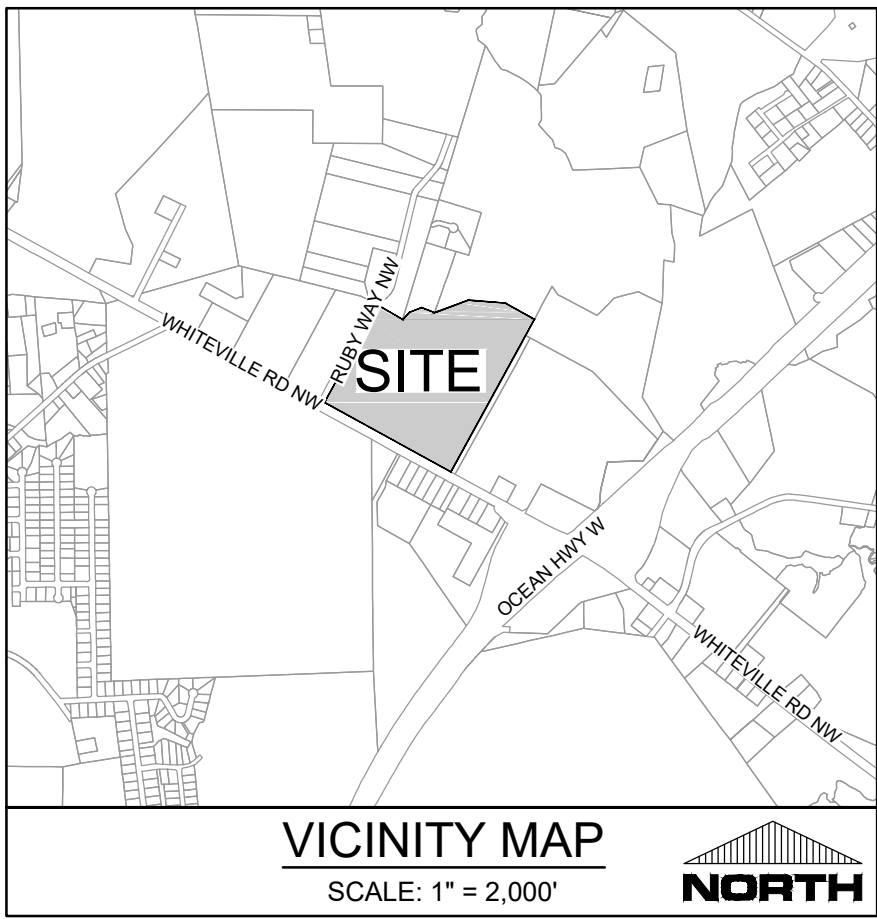
PROJECT STATUS

SE.

C-5.0

PEI JOB#: 19249.PE

FINAL DESIGN - RELEASED FOR BIDDING ONLY



PLANT SCHEDULE				
EXISTING TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE
	EX CAN	28	Existing Canopy Tree Existing Canopy Tree	existing
	EX UNDR	6	Existing Understory Tree Existing Understory Tree	existing
SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER
	RDP	168	Rhaphiolepis l. 'Dwarf Pink' Dwarf Pink Indian Hawthorn	3 gal
SOD/SEED	CODE	QTY	BOTANICAL / COMMON NAME	CONT
	Seed	8,100 sf	Eremochloa ophiuroides Centipede Seed	Seed
	SOD	43,714 sf	Eremochloa ophiuroides Centipede Sod	Sod

- PLANTING NOTES:
- ALL PLANT BEDS SHALL RECEIVE PINE STRAW MULCH 3" DEPTH MIN. - 4" DEPTH MAX
 - PROVIDE SOD ADJACENT TO STORMWATER POND TO MATCH EXISTING TURF
 - SEED ALL DISTURBED AREAS NOT ADJACENT TO POND, AND OUTSIDE OF MULCH AREAS TO MATCH EXISTING ADJACENT TURF

LANDSCAPE REQUIREMENTS
STREET BUFFERS (SECTION 17-13)

ROAD FRONTAGE - WHITEVILLE ROAD = 1,378 LF
(1,500 LF - 122' LF DRIVEWAYS)

PLANTING REQUIRED:		
1 TREE / 50 LF OF ROAD FRONTAGE 1,378 / 50 = 27.56	28 TREES	34 TREES (EXISTING)
6 SHRUBS / 50 LF OF ROAD FRONTAGE 1,378 / 50 = 27.56 * 6 = 165.36	166 SHRUBS	168 SHRUBS

- LANDSCAPE NOTES:
- CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
 - TREES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM SEWER/WATER CONNECTIONS OR AS OTHERWISE DICTATED BY LOCAL REGULATIONS. CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO ANY AND ALL PUBLIC OR PRIVATE UTILITIES.
 - ALL PLANT MATERIAL SHALL MEET THE CURRENT VERSION OF THE AMERICAN ASSOCIATION OF NURSERYMEN'S STANDARDS.
 - NO TREE, OTHER THAN THOSE SHOWN ON APPROVED PLANS FOR REMOVAL WITH THESE PLANS AND/ OR TREE REMOVAL PERMIT PLANS, SHALL BE REMOVED WITHOUT WRITTEN AUTHORIZATION FROM THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE. ALL SHRUB BEDS AND/OR PLANTING AREAS EXCLUDING TURF AREAS SHALL BE MULCHED WITH 3 INCH MINIMUM AND 4 INCH MAXIMUM DEPTH PINE STRAW MULCH UNLESS OTHERWISE NOTED.
 - ALL PLANTS, 4 FEET OR LESS APART, WILL BE CONNECTED IN ONE PLANTING BED. ALL GROUPS OF PLANTS SHOULD BE WITHIN ONE PLANTING BED WITH THE EDGE OF MULCH EXTENDING 2 FEET BEYOND THE EDGE OF PLANT MASS. SINGLE TREES SHOULD HAVE A CIRCLE OF MULCH NOT LESS THAN 5 FEET DIAMETER.
 - PLANTING SOIL MIX: MIX EXISTING SOIL WITH THE SOIL AMENDMENTS AND FERTILIZERS IN THE QUANTITIES RECOMMENDED BY A SOIL TESTING LABORATORY. CONTRACTOR SHALL PROVIDE LABORATORY SOIL SAMPLES FOR EACH AREA TO BE DISTURBED.
 - ANY AND ALL SUBSTITUTIONS OF PLANT MATERIAL SHALL BE APPROVED BY LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE. FAILURE IN OBTAINING APPROVAL MAY RESULT IN LIABILITY TO THE CONTRACTOR.

- THE CONTRACTOR SHALL REPLACE DEAD AND/OR UNHEALTHY PLANT MATERIAL, EXCLUSIVE OF SOD, WITHIN 12 MONTHS OF ACCEPTANCE OF THE INSTALLED MATERIAL FROM THE OWNER OR OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL PREPARE ALL SEEDED OR SODDED AREAS TO ASSURE THAT THE SUBGRADE HAS BEEN RAKED AND ROLLED TO ACCEPT THE SOD/SEED. ALL SOD/SEED AREAS MUST BE HAND WATERED. ALL SOD SHALL BE PLACED WITH STAGGERED JOINTS AND NO GAPS BETWEEN SOD JOINTS. SOD SHOULD BE ROLLED AFTER INSTALLATION. ALL SEEDED AND/OR SODDED AREAS SHOULD PROVIDE A SMOOTH SURFACE FREE OF DIPS AND UNLEVELED GROUND.
- THE CONTRACTOR IS RESPONSIBLE FOR HAND WATERING THE INSTALLED PLANT MATERIAL FOR A PERIOD OF 6 MONTHS FROM THE ACCEPTANCE FROM THE OWNER OR OWNER'S REPRESENTATIVE IF IRRIGATION HAS NOT BEEN INSTALLED AT THE TIME OF SUBSTANTIAL COMPLETION. ALL MATERIAL INCLUDING SOD AND SEEDED AREAS SHALL BE HAND WATERED ONCE WEEKLY OR AS NEEDED TO ENSURE SURVIVAL OF PLANTS.
- CONTRACTOR IS RESPONSIBLE FOR REMOVING TRASH, DEBRIS AND EXCESS MATERIALS FROM THE JOB SITE ONCE THE PROJECT IS COMPLETE. SECURING ANY MATERIALS LEFT ON SITE DURING THE COURSE OF THE PROJECT IS THE CONTRACTOR'S RESPONSIBILITY.
- ALL DISTURBED AREAS NOT DESIGNATED FOR SOD SHALL BE SEEDED.
- ALL VEGETATION PROPOSED WITHIN SIGHT DISTANCE AREAS SHALL NOT INTERFERE WITH SIGHT DISTANCE FROM 30' TO 10'.
- PRIOR TO ANY CLEARING, GRADING, OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING SHALL BE INSTALLED. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS OR VEHICLES ARE PERMITTED WITHIN TREE PROTECTION FENCING.

REVISIONS:

CLIENT INFORMATION:
BECKER MORGAN GROUP
3333 JAECKLE DRIVE, SUITE 120
WILMINGTON, NC 28403

PARAMOUNTE ENGINEERING, INC.
122 Cinema Drive
Wilmington, North Carolina 28403
(910) 791-6707 (O) (910) 791-6700 (F)
NC License # C-2846

LANDSCAPE PLAN
W. BRUNSWICK HIGH SCHOOL IMPROVEMENTS
550 WHITEVILLE RD NW, SHALLOTTE
BRUNSWICK COUNTY, NC 28470

PROJECT STATUS
DESIGN: PRELIMINARY LAYOUT
FINAL DESIGN: RELEASED FOR BIDDING
DATE: 05/04/2021
SCALE: 1" = 60'

DRAWING INFORMATION
DATE: 05/04/2021
SCALE: 1" = 60'

SEAL
NORTH CAROLINA
1448
05/04/2021
JRC

L-1.0
PEI JOB#: 19249.PE

FINAL DESIGN - RELEASED FOR BIDDING ONLY