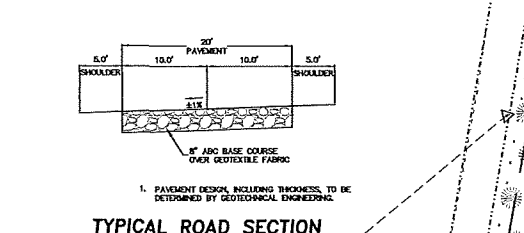
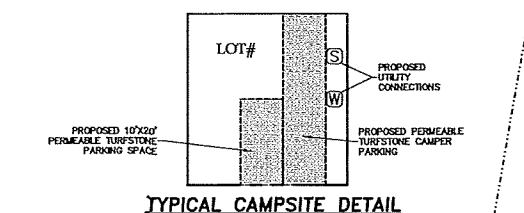
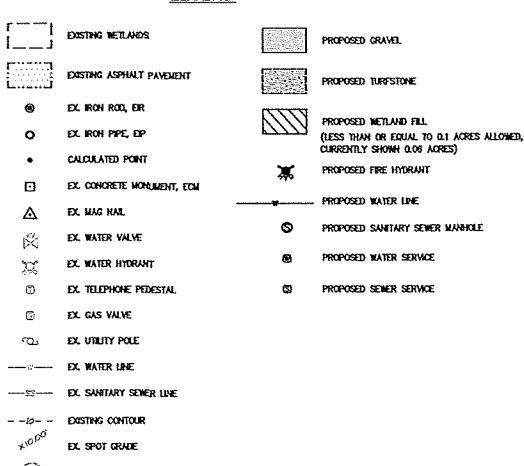


- NOTES:**
- CURRENT OWNER: MALCOLM K. FEARING, III & SUSAN F. FEARING, 1500 W. WANTED, NC 27854 (252) 473-5514
 - PROPERTY INFORMATION: P.O. BOX 1000, 1500 W. WANTED, NC 27854 (252) 473-5514
 - SUBJECT REFERENCES: DB 651, PG 874
 - TOTAL PARCEL AREA = 2,320,202 SF / 53.27 AC (AREAS BY COORDINATE METHOD.)
 - PROPOSED PROJECT DEVELOPMENT AREA = 164,165 SF / 3.77 AC
 - AREA OF UPLANDS = 177,882 SF / 4.06 AC
AREA OF 404 WETLANDS = 212,475 SF / 4.88 AC
AREA OF COASTAL WETLANDS = 1,929,847 SF / 44.30 AC
AREA OF PROPOSED WETLAND FILL = 2,232 SF / 0.06 AC
 - LOT COVERAGE CALCULATIONS
ON-SITE:
PROPOSED GRAVEL = 29,723 SF
PROPOSED CONCRETE = 2,072 SF
PROPOSED POOL = 612 SF
PROPOSED TURBSTONE = 39,256 SF
PROPOSED BUILDING = 720 SF
OFF-SITE:
PROPOSED GRAVEL = 351 SF
PROPOSED CONCRETE = 300 SF
 - APPROXIMATE ROADWAY LENGTH = 1,231 FT.
 - PROPOSED BATHHOUSE PROPOSES THE FOLLOWING FACILITIES:
MEN'S ROOM: 3 TOILETS, 2 URINALS, 3 SHOWERS & 3 SINKS
WOMEN'S ROOM: 3 TOILETS, 3 SHOWERS, & 3 SINKS
 - PROJECT WILL PROPOSE TO APPLY FOR A LOW DENSITY STATE STORMWATER PERMIT BY UTILIZING PERMEABLE PAVEMENT FOR COVERAGE OTHER THAN BUILDINGS AND ROADWAY TO KEEP TOTAL RULPT UPON AREA UNDER 12% COVERAGE.
 - SOIL TYPES: LEON FINE SAND (LsA), 0 TO 2 PERCENT SLOPES, BASED ON USDA WEB SOIL SURVEY.
 - BOUNDARY & TOPOGRAPHIC INFORMATION SHOWN BASED FIELD SURVEY DATA FROM QUIBLE & ASSOCIATES, P.C. DATED 12-27-18, 01-10-19, & 12-8-19.
 - PROPERTY IS LOCATED IN NEP FLOOD ZONE AE (4') AND SUBJECT TO CHANGES BASED ON COMMUNITY CD NO. 37534E, PARCEL 9789, SUFFR. K. (MAP NUMBER 3720978900K) EFFECTIVE DATE: 6/19/20.
 - THIS PLAN SUBJECT TO ANY FACTS, INCLUDING BUILDING SETBACK RESTRICTIONS, EASEMENTS, COVENANTS, ETC., THAT MAY BE REVEALED BY A FULL AND ACCURATE TITLE SEARCH.
 - EXISTING VEGETATION TO BE PRESERVED WHERE POSSIBLE.
 - REMOVE TREES, GRASSES, SHRUBS AND OTHER VEGETATION, IMPROVEMENTS OR OBSTRUCTIONS INTERFERING WITH INSTALLATION OF NEW CONSTRUCTION UNLESS NOTED OTHERWISE.
 - PRIOR TO LAND DISTURBANCE, A STATE APPROVED SOIL EROSION AND SEDIMENTATION CONTROL PLAN IS REQUIRED.
 - ALL UTILITIES SERVING THIS SITE WILL BE PLACED UNDERGROUND.
 - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE DRAWINGS, THE LATEST EDITION OF THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) ROADWAY STANDARD DRAWINGS AND SPECIFICATIONS, RULES GOVERNING PUBLIC WATER SYSTEMS (NCDQS PWS), NCDQS DIVISION OF ENERGY, MINERAL AND LAND RESOURCES AND DARE COUNTY REGULATIONS.
 - THE LOCATION, DIMENSIONS, AND ELEVATION OF EXISTING STRUCTURES, PIPING, AND UTILITIES SHOWN ARE BASED ON THE BEST AVAILABLE DATA AND ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL DATA IN THE FIELD PRIOR TO CONSTRUCTION TO HIS OWN SATISFACTION. THE DIMENSIONS OF EXISTING PIPING ARE APPROXIMATE AND SHALL BE VERIFIED PRIOR TO PERFORMING FINAL CONNECTIONS. THE CONTRACTOR SHALL PERFORM ANY TEST PIT WORK OR PROVIDE LOCATION SERVICES AS REQUIRED TO AVOID CONFLICTS WITH EXISTING UTILITIES. CONTACT NORTH CAROLINA ONE-CALL AT TELEPHONE NO. 1-800-632-4348, 48 HOURS PRIOR TO PERFORMING ANY EXCAVATION TO HAVE UTILITIES MARKED.
 - CHANGES IN NEW PIPING OR STRUCTURES FROM THAT SHOWN ON THE DRAWINGS, IN ORDER TO AVOID CONFLICTS WITH EXISTING ELECTRICAL SYSTEMS, MECHANICAL SYSTEMS, EQUIPMENT, STRUCTURES, OR EXISTING PIPING, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. WHETHER THE CONFLICTS ARE SHOWN OR ARE DISCOVERED IN THE FIELD, LICENSE, ALTERATIONS TO EXISTING ELECTRICAL SYSTEMS, MECHANICAL SYSTEMS, EQUIPMENT, OR EXISTING PIPING IN ORDER TO ACCOMMODATE NEW PIPING, STRUCTURES AND EQUIPMENT, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER, THE OWNER AND THE ENGINEER MUST APPROVE ALL SUCH CHANGES.
 - MAINTAIN AND PROTECT ALL OVERHEAD AND UNDERGROUND ELECTRICAL, TELEPHONE, CABLE TV, WATER, AND ALL OTHER UTILITIES DURING ENTIRE CONSTRUCTION PERIOD. SEWER SYSTEM AND WATER SERVICE INTERRUPTIONS AND OTHER UTILITY OUTAGES WILL NOT BE ALLOWED.
 - ALL PROPOSED WATER LINE PIPING SHALL MAINTAIN A MINIMUM COVER OF 3.0 FEET. PROPOSED WATER LINE PIPING SHALL BE INSTALLED AS REQUIRED TO ALLOW FOR MINIMUM 10" VERTICAL SEPARATION BETWEEN NEW PIPING AND EXISTING UTILITIES.
 - PROVIDE A MINIMUM OF 18 INCHES CLEARANCE BETWEEN PIPING AND FOOTINGS, STRUCTURES, AND OTHER PIPING UNLESS OTHERWISE INDICATED. A POSITIVE GRADE SHALL BE MAINTAINED FOR THE VERTICAL ALIGNMENT OF ALL WATER PIPING TO ELIMINATE THE FORMATION OF AIR POCKETS.
 - GATE VALVES AND VALVE BOXES: PROVIDE AN EXTENDED VALVE STEM WHERE DEPTH TO TOP OF VALVE EXCEEDS 5 FEET.
 - HORIZONTAL DISTANCE IS INDICATED FOR ALL PROPOSED PIPE LENGTHS SHOWN ON THE DRAWINGS. DEFLECT JOINTS AS REQUIRED TO MAINTAIN WATERLINE AND SEWER ALIGNMENTS SHOWN. THE CONTRACTOR SHALL PROVIDE ALL PIPE FITTINGS AS REQUIRED FOR COMPLETE AND OPERABLE PIPE INSTALLATIONS.
 - CONTRACTOR SHALL PROVIDE ALL CONNECTING PIPES AND TRANSITION PIECES REQUIRED TO MAKE FINAL PIPING CONNECTIONS.
 - VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CONSTRUCTED AND MAINTAINED FOR ALL LOCATED AREAS IN ACCORDANCE WITH ALL LOCAL REGULATIONS AND THE LATEST EDITION OF THE NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AS A FIRST STEP IN CONSTRUCTION AND BEFORE EXCAVATION BEGINS. SILT FENCE, CULVERT INLET PROTECTION, SLEET PROTECTION, AND OTHER EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED TO PREVENT THE MOVEMENT OF SEDIMENT DOWNSTREAM.
 - CONSTRUCTION LIMITS SHALL INCLUDE ALL DISTURBED AREAS. ALL GRASSED DISTURBED AREAS SHALL BE SEEDED AND PROTECTED FROM EROSION AT THE END OF CONSTRUCTION. ALL WORK SHALL BE PERFORMED WITHIN THE RIGHT OF WAY. WORK OUTSIDE OF THE RIGHT OF WAY MAY REQUIRE TEMPORARY CONSTRUCTION EASEMENTS TO BE OBTAINED BY OTHERS.
 - UNLESS OTHERWISE NOTED, REMOVE AND DISPOSE OF ALL ITEMS INDICATED TO BE DEMOLISHED OFF THE PROJECT SITE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
 - THE CONTRACTOR SHALL BE FULLY LIABLE FOR REPAIR OF ANY DAMAGES ON PUBLIC OR PRIVATE PROPERTY CAUSED BY HIS CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL REPLACE ALL DISTURBED SURFACES IN KIND, INCLUDING PAVEMENT, STONE, DITCHES, HARBORS, STORM CULVERTS, DRIVEWAY STABILIZERS, ETC. CONTRACTOR SHALL REPLACE ROADSIDE SHOULDERS, DITCHES, CUT/SILT SLOPES TO CLARIFIED PRECONSTRUCTION CONDITIONS. ROADSIDE LANDSCAPING SHALL BE PROTECTED AS MUCH AS POSSIBLE.
 - THE CONTRACTOR SHALL PROTECT EXISTING PAVED SURFACES. ANY DAMAGED PAVEMENT SHALL BE REPAIRED TO MATCH EXISTING. TRACKED EQUIPMENT SHALL NOT BE ALLOWED ON PAVED SURFACES. ANY PAVEMENT MARKINGS DAMAGED BY CONSTRUCTION SHALL BE REPLACED IN KIND BY A PAVEMENT MARKING CONTRACTOR FROM THE NCDOT PRE-QUALIFICATION LIST.
 - ALL PROPERTY PINS, AND RIGHT OF WAY MONUMENTS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED BY A LAND SURVEYOR LICENSED BY THE STATE OF NORTH CAROLINA.
 - SURFACE DRAINAGE: COMPLETELY DRAIN CONSTRUCTION SITE DURING PERIODS OF CONSTRUCTION TO KEEP SOIL MATERIALS SUFFICIENTLY DRY. PROVIDE TEMPORARY DITCHES, SWALES, AND OTHER DRAINAGE FEATURES AND EQUIPMENT AS REQUIRED TO MAINTAIN DRY SOILS. WHEN UNSUITABLE WORKING PLATFORMS FOR EQUIPMENT OPERATION AND UNSUITABLE SOIL SUPPORT FOR SUBSEQUENT CONSTRUCTION FEATURES DEVELOP, REMOVE UNSUITABLE MATERIAL AND PROVIDE NEW SOIL MATERIAL AT NO ADDITIONAL COST TO THE OWNER.
 - SUBSURFACE DRAINAGE: CONSIDER SITE SURFACE AND SUBSURFACE CONDITIONS, AVAILABLE SOIL, AND HYDROLOGICAL BY BENCHING, SHIP PUMPING, OR OTHER METHODS TO PREVENT SOFTENING OF SURFACES EXPOSED BY EXCAVATION. USE FILTERS ON DRAINAGE DEVICES TO PREVENT REMOVAL OF FINES FROM SOIL. PROVIDE EROSION CONTROL AT OUTLET OR PIPING TO PREVENT EROSION. OPERATE DRAINAGE SYSTEM CONTINUOUSLY UNTIL CONSTRUCTION WORK BELOW EXISTING WATER LEVEL IS COMPLETE.
 - CONSTRUCT EXCAVATION SUPPORT SYSTEMS AS REQUIRED BY OSHA AND U.S. ARMY CORPS OF ENGINEERS SAFETY AND HEALTH REQUIREMENT MANUAL EM 385-1-1, SECTION 25 AS A THROUGH E TO ADEQUATELY SUPPORT EXISTING SOIL AND ADJACENT STRUCTURES DURING EXCAVATION ACTIVITIES.
 - PROOF ROLL ALL NEW PAVED AREAS. NOTIFY OWNER AND ENGINEER OF ANY UNACCEPTABLE AREAS.
 - THE CONTRACTOR SHALL PROVIDE SMOOTH TRANSITIONS FROM PROPOSED FEATURES TO EXISTING FEATURES AS NECESSARY.
 - ALL TRAFFIC CONTROL METHODS AND DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

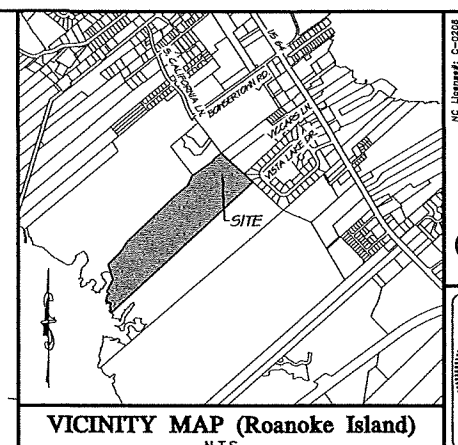
- WASTEWATER SYSTEM NOTES:**
- CONTRACTOR IS RESPONSIBLE FOR LOCATING EXISTING UNDERGROUND UTILITIES IN AREAS OF WORK PRIOR TO ANY WORK. PROVIDE ADEQUATE MEANS OF SUPPORT AND PROTECTION IF UTILITIES ARE TO REMAIN IN PLACE.
 - REMOVE TREES, GRASSES, SHRUBS AND OTHER VEGETATION, IMPROVEMENTS OR OBSTRUCTIONS INTERFERING WITH INSTALLATION OF NEW CONSTRUCTION UNLESS NOTED OTHERWISE.
 - NEW WASTEWATER SYSTEM DESIGN PARAMETERS:
WASTEWATER SYSTEM A:
DESIGN FLOW: 40 GPD / CAMPERSITE x 47 CAMPERSITES = 1,880 GPD
ACTIVE: ASSIGNED LTR OF 0.6 GPD/SF PER DOD. (14) 75 FT. LINES AT 9" O.C.
REPAIR: ASSIGNED LTR OF 0.4 GPD/SF PER DOD (20) 75 FT. LINES AT 9" O.C.
WASTEWATER SYSTEM B:
DESIGN FLOW: 40 GPD / CAMPERSITE x 3 CAMPERSITES = 120 GPD
1 WASHING MACHINE @ 550 GPD/EA. = 550 GPD
BATHHOUSE @ 10 GPD/PERSON X 100 PEOPLE = 1,000 GPD
TOTAL = 1,670 GPD
ACTIVE: ASSIGNED LTR OF 0.5 GPD/SF PER DOD. (22) 58 FT. LINES AT 9" O.C.
REPAIR: ASSIGNED LTR OF 0.4 GPD/SF PER DOD (16) 100 FT. LINES AT 9" O.C.

- UNLESS OTHERWISE INDICATED ON THE PLAN, CONSTRUCTION OF SEWAGE COLLECTION, TREATMENT AND DISPOSAL SYSTEM IS TO CONFORM WITH SECTIONS 0100, 0300 AND 0400 "WASTE NOT DISCHARGED TO SURFACE WATERS" OF NORTH CAROLINA ADMINISTRATIVE CODE, TITLE 15A DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCE DIVISION OF WATER QUALITY.
- MATERIAL USED FOR COLLECTION AND DISPOSAL SYSTEM SHALL CONFORM WITH SAME REQUIREMENTS AS #4 ABOVE.
- FILL MATERIAL SHALL HAVE SUCH SOIL TEXTURE TO BE CLASSIFIED AS SAND OR LOAMY SAND (SOIL GROUP I) UP TO THE TOP OF THE INTERLOCKING TRENCHES. THE FINAL SIX INCHES OF FILL USED TO COVER THE SYSTEM SHALL HAVE A FINER TEXTURE (SUCH AS GROUP II, III) FOR THE ESTABLISHMENT OF A VEGETATIVE COVER. THE FILL MATERIAL AND THE EXISTING SOIL SHALL BE MIXED TO A DEPTH OF SIX INCHES BELOW THE INTERFACE. HEAVY VEGETATIVE COVER OR ORGANIC LITTER SHALL BE REMOVED BEFORE THE FILL MATERIAL IS INCORPORATED.
- WELL POINTS AND TUBES SHALL BE SUFFICIENT IN SIZE AND SPACING TO DRAW DOWN WATER TABLE TWO TO THREE FEET BELOW REQUIRED EXCAVATION FOR SEPTIC AND PUMP TANKS.
- GRADES SHALL BE ESTABLISHED TO DIVERT RUNOFF AWAY FROM TANKAGE.
- ALL SURFACE RUNOFF SHALL BE DIVERTED AROUND AND AWAY FROM THE DRAINFIELD AREA. FINISH GRADE SHALL BE LANDSCAPED TO PREVENT PONDING OF SURFACE WATER.



SITE SIZE TABLE

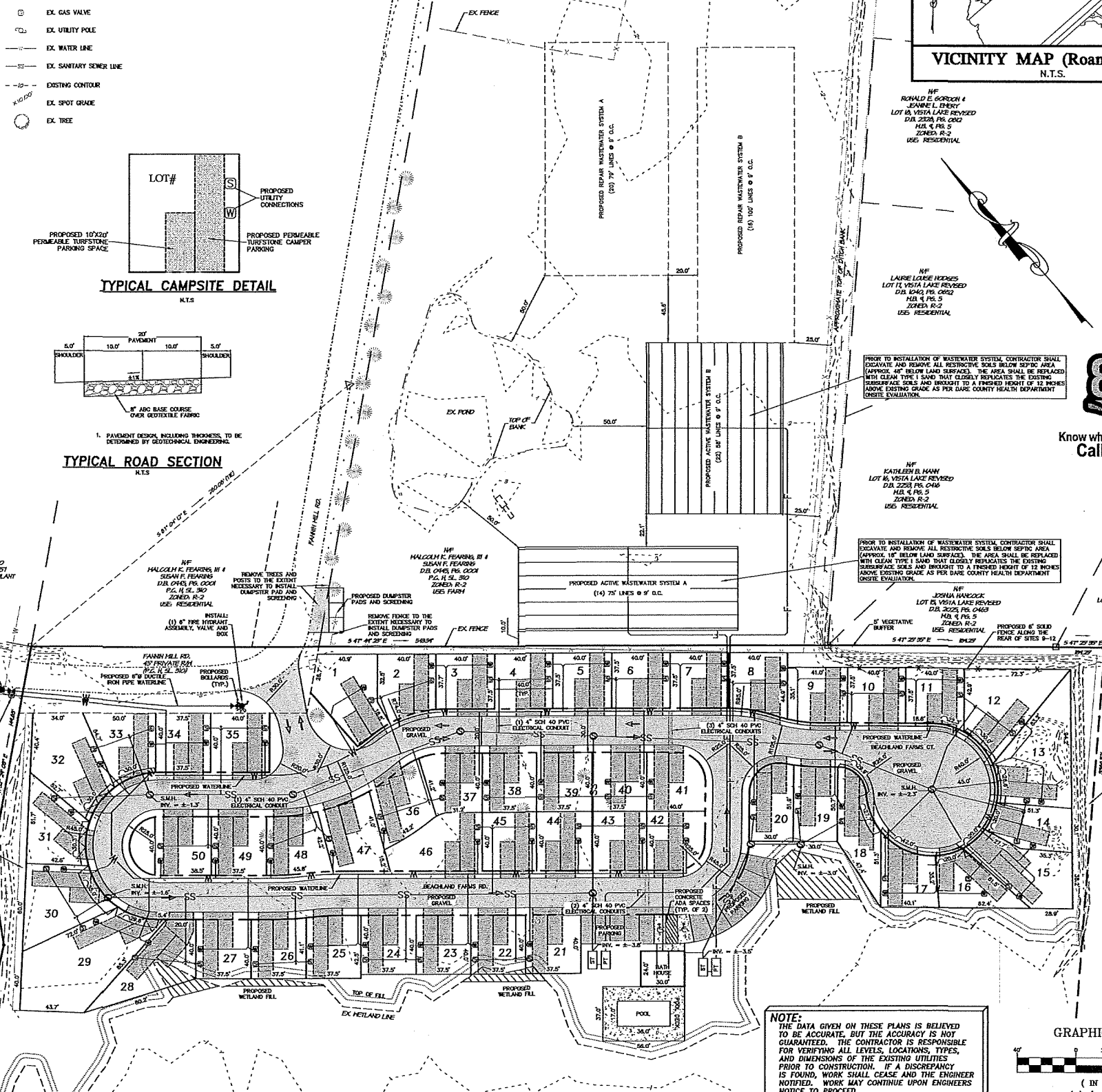
Site 1: 2,226 sq.ft.	Site 18: 1,745 sq.ft.	Site 35: 1,600 sq.ft.
Site 2: 1,636 sq.ft.	Site 19: 1,528 sq.ft.	Site 36: 1,660 sq.ft.
Site 3: 1,500 sq.ft.	Site 20: 1,505 sq.ft.	Site 37: 1,514 sq.ft.
Site 4: 1,500 sq.ft.	Site 21: 1,500 sq.ft.	Site 38: 1,500 sq.ft.
Site 5: 1,500 sq.ft.	Site 22: 1,500 sq.ft.	Site 39: 1,500 sq.ft.
Site 6: 1,500 sq.ft.	Site 23: 1,500 sq.ft.	Site 40: 1,500 sq.ft.
Site 7: 1,500 sq.ft.	Site 24: 1,500 sq.ft.	Site 41: 1,517 sq.ft.
Site 8: 1,605 sq.ft.	Site 25: 1,583 sq.ft.	Site 42: 1,509 sq.ft.
Site 9: 1,515 sq.ft.	Site 26: 1,508 sq.ft.	Site 43: 1,500 sq.ft.
Site 10: 1,500 sq.ft.	Site 27: 1,500 sq.ft.	Site 44: 1,500 sq.ft.
Site 11: 1,538 sq.ft.	Site 28: 2,171 sq.ft.	Site 45: 1,500 sq.ft.
Site 12: 2,715 sq.ft.	Site 29: 4,112 sq.ft.	Site 46: 2,105 sq.ft.
Site 13: 3,153 sq.ft.	Site 30: 2,419 sq.ft.	Site 47: 1,810 sq.ft.
Site 14: 1,557 sq.ft.	Site 31: 1,884 sq.ft.	Site 48: 1,630 sq.ft.
Site 15: 2,295 sq.ft.	Site 32: 2,761 sq.ft.	Site 49: 1,500 sq.ft.
Site 16: 1,590 sq.ft.	Site 33: 1,764 sq.ft.	Site 50: 1,540 sq.ft.
Site 17: 1,523 sq.ft.	Site 34: 1,500 sq.ft.	



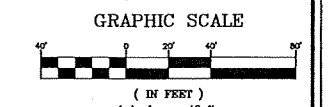
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www.quibleandassociates.com

PROFESSIONAL SEAL
NORTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
045158
MALCOLM K. FEARING, III
DATE: 07/13/20

FINAL DRAWINGS FOR PERMITTING ONLY



NOTE:
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BEACHLAND FARMS CAMPGROUND PLAN

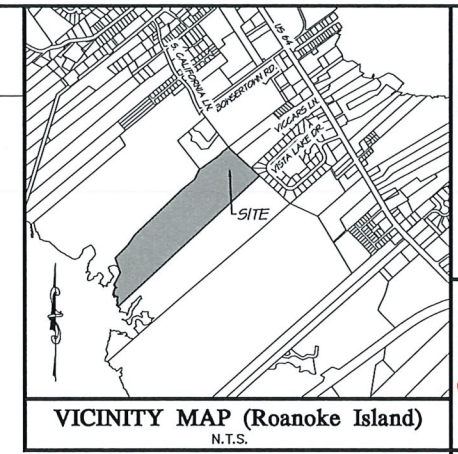
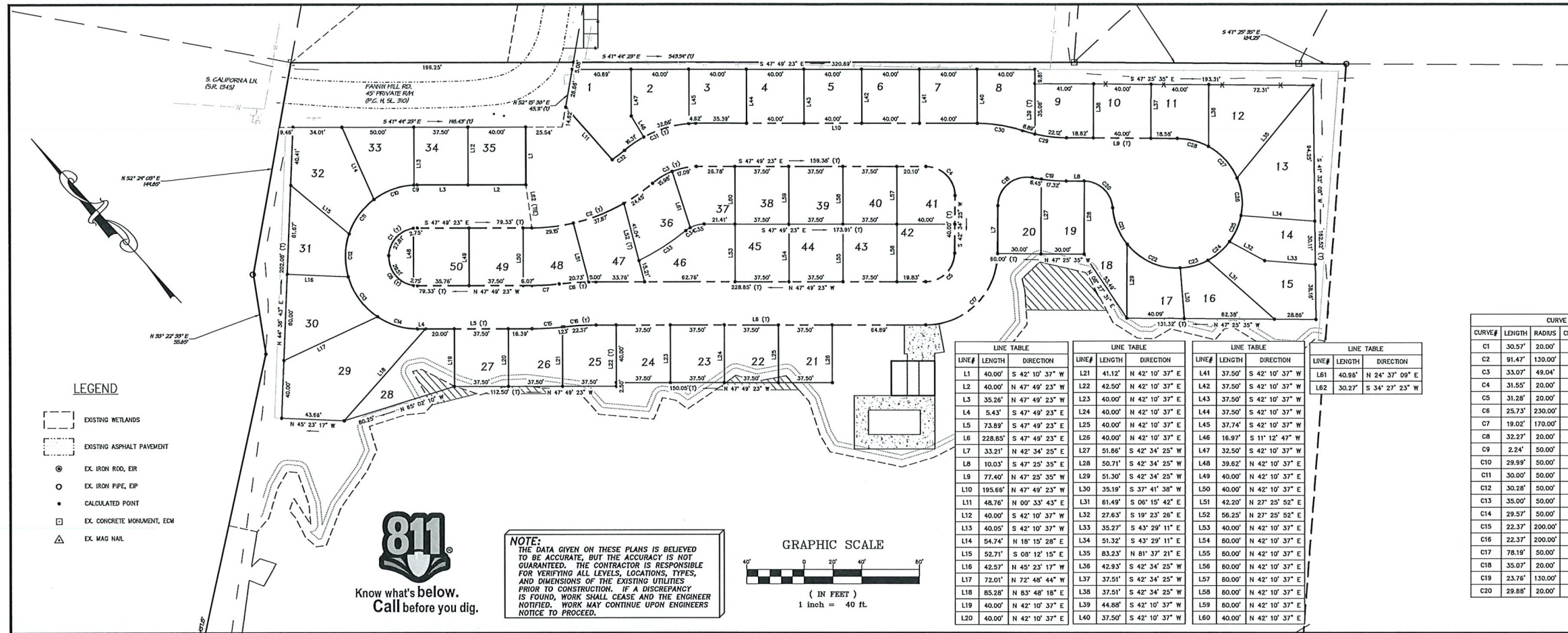
PIN: 9789-00-36-8876
MALCOLM K. FEARING, III

ROANOKE ISLAND
DARE COUNTY
NORTH CAROLINA

PROJECT NO. P18119
DESIGNED BY DLT
DRAWN BY DLT
CHECKED BY MWS
ISSUE DATE 07/13/20

SHEET NO. 1 OF 1 SHEETS

04/20/2020 10:18:00 AM P:\18119-00-36-8876.dwg 7/13/2020 8:54 AM DLS



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 1000 W. CALIFORNIA LN., SUITE 100
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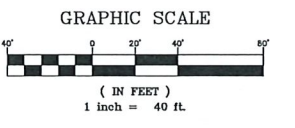
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L1	40.00'	S 42° 10' 37" W	L21	41.12'	N 42° 10' 37" E	L41	37.50'	S 42° 10' 37" W	L61	40.98'	N 24° 37' 09" E
L2	40.00'	N 47° 49' 23" W	L22	42.50'	N 42° 10' 37" E	L42	37.50'	S 42° 10' 37" W	L62	30.27'	S 34° 27' 23" W
L3	35.26'	N 47° 49' 23" W	L23	40.00'	N 42° 10' 37" E	L43	37.50'	S 42° 10' 37" W			
L4	5.43'	S 47° 49' 23" E	L24	40.00'	N 42° 10' 37" E	L44	37.50'	S 42° 10' 37" W			
L5	73.89'	S 47° 49' 23" E	L25	40.00'	N 42° 10' 37" E	L45	37.74'	S 42° 10' 37" W			
L6	228.85'	S 47° 49' 23" E	L26	40.00'	N 42° 10' 37" E	L46	16.97'	S 11° 12' 47" W			
L7	33.31'	N 42° 34' 25" E	L27	51.86'	S 42° 34' 25" W	L47	32.50'	S 42° 10' 37" W			
L8	10.03'	S 47° 25' 35" E	L28	50.71'	S 42° 34' 25" W	L48	39.62'	N 42° 10' 37" E			
L9	77.40'	N 47° 25' 35" W	L29	51.30'	S 42° 34' 25" W	L49	40.00'	S 42° 10' 37" E			
L10	195.68'	N 47° 49' 23" W	L30	35.19'	S 37° 41' 38" W	L50	40.00'	N 42° 10' 37" E			
L11	48.76'	N 00° 33' 43" E	L31	61.49'	S 06° 15' 42" E	L51	42.20'	N 27° 25' 52" E			
L12	40.00'	S 42° 10' 37" W	L32	27.63'	S 19° 23' 26" E	L52	56.25'	N 27° 25' 52" E			
L13	40.00'	S 42° 10' 37" W	L33	35.27'	S 43° 29' 11" E	L53	40.00'	N 42° 10' 37" E			
L14	54.74'	N 18° 15' 28" E	L34	51.32'	S 43° 29' 11" E	L54	80.00'	N 42° 10' 37" E			
L15	52.71'	S 08° 12' 15" E	L35	83.23'	N 81° 37' 21" E	L55	80.00'	N 42° 10' 37" E			
L16	42.57'	N 45° 23' 17" W	L36	42.93'	S 42° 34' 25" W	L56	80.00'	N 42° 10' 37" E			
L17	72.01'	N 72° 48' 44" W	L37	37.51'	S 42° 34' 25" W	L57	80.00'	N 42° 10' 37" E			
L18	85.28'	N 83° 48' 18" E	L38	37.51'	S 42° 34' 25" W	L58	80.00'	N 42° 10' 37" E			
L19	40.00'	N 42° 10' 37" W	L39	44.88'	S 42° 10' 37" W	L59	80.00'	N 42° 10' 37" E			
L20	40.00'	N 42° 10' 37" W	L40	37.50'	S 42° 10' 37" W	L60	40.00'	N 42° 10' 37" E			

CURVE#	LENGTH	RADIUS	CHD LENGTH	CHD BEARING
C1	30.57'	20.00'	27.68'	N 88° 23' 36" E
C2	91.47'	130.00'	89.60'	S 87° 22' 31" W
C3	33.07'	49.04'	32.44'	S 68° 49' 13" E
C4	31.55'	20.00'	28.38'	S 02° 37' 29" E
C5	31.28'	20.00'	28.19'	S 87° 22' 31" W
C6	25.73'	230.00'	25.71'	S 51° 01' 40" W
C7	19.02'	170.00'	19.01'	N 51° 01' 40" W
C8	32.27'	20.00'	28.88'	N 01° 36' 20" W
C9	2.24'	50.00'	2.24'	N 49° 00' 28" W
C10	29.99'	50.00'	29.95'	N 67° 34' 39" W
C11	30.00'	50.00'	29.55'	S 78° 02' 55" W
C12	30.28'	50.00'	29.82'	S 43° 30' 46" W
C13	35.00'	50.00'	34.29'	S 06° 06' 43" W
C14	29.57'	50.00'	29.14'	S 30° 52' 56" E
C15	22.37'	200.00'	22.36'	S 51° 01' 40" E
C16	72.37'	200.00'	22.36'	S 51° 01' 40" E
C17	28.19'	50.00'	70.47'	N 87° 22' 31" E
C18	35.07'	20.00'	30.75'	S 87° 11' 25" E
C19	23.76'	130.00'	23.73'	S 42° 11' 25" E
C20	29.88'	20.00'	27.17'	S 04° 37' 56" E

CURVE#	LENGTH	RADIUS	CHD LENGTH	CHD BEARING
C21	27.66'	45.00'	27.22'	S 20° 33' 19" W
C22	42.00'	45.00'	40.49'	S 23° 47' 14" E
C23	20.00'	45.00'	19.84'	S 63° 15' 21" E
C24	20.00'	45.00'	19.84'	S 68° 43' 14" E
C25	20.00'	45.00'	19.84'	N 65° 48' 52" E
C26	26.62'	45.00'	26.24'	N 36° 07' 57" E
C27	29.99'	45.00'	29.44'	N 00° 05' 29" E
C28	22.33'	45.00'	22.10'	N 33° 12' 47" W
C29	31.01'	100.00'	30.89'	N 38° 32' 34" W
C30	31.70'	100.00'	31.57'	N 38° 44' 28" W
C31	53.78'	79.04'	52.75'	N 68° 38' 35" W
C32	10.65'	100.00'	10.65'	N 85° 05' 06" W
C33	38.78'	170.00'	38.69'	N 80° 21' 50" W
C34	13.64'	20.00'	13.38'	N 67° 21' 39" W
C35	13.64'	20.00'	13.38'	N 67° 21' 39" W



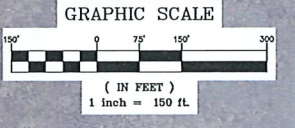
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NOTE: THIS DOCUMENT IS PRELIMINARY - NOT FOR CONSTRUCTION, RECORDATION, SALES OR CONVEYANCES - THIS DOCUMENT IS FOR DISCUSSION PURPOSES ONLY. EXISTING INFORMATION SHOWN ON THIS DOCUMENT IS BASED ON BEST AVAILABLE DATA AND IS NOT A CERTIFIED SURVEY. ALL INFORMATION SHOWN ON THIS DOCUMENT IS SUBJECT TO ANY REQUIREMENTS BY ANY REGULATORY AGENCY, ENTITY OR AUTHORITY.

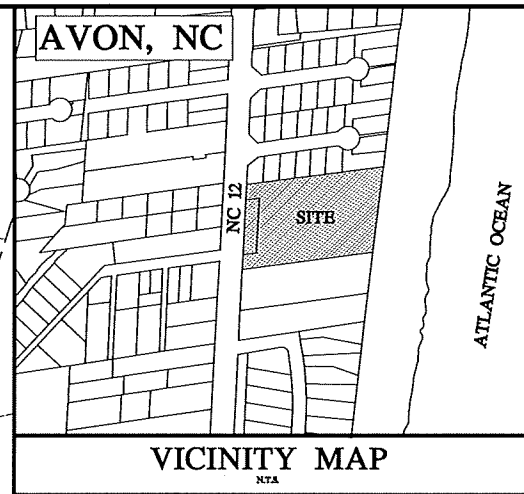
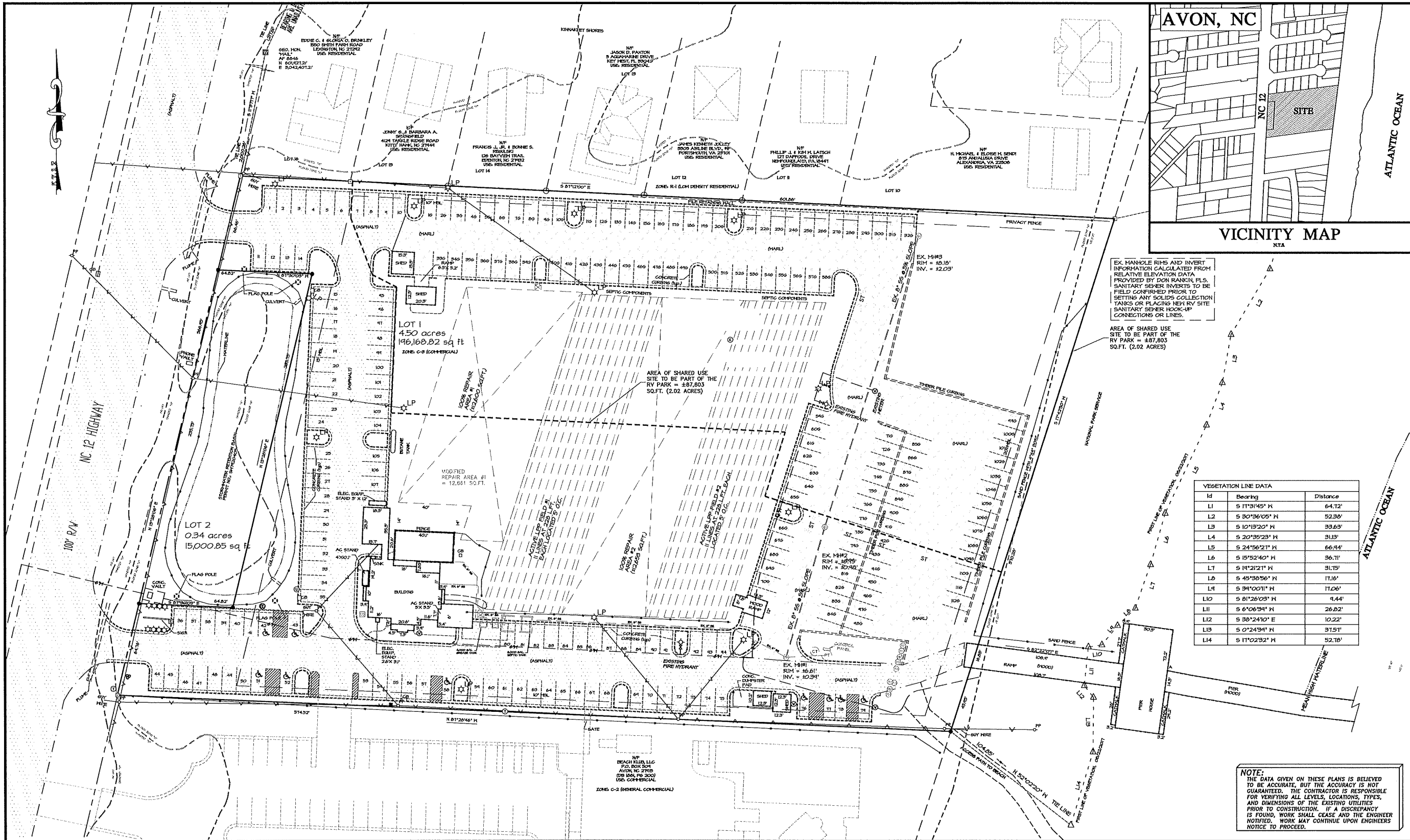
QUIBLE & ASSOCIATES, P.C. DOES NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF ANY INFORMATION IN THIS DOCUMENT AND IS NOT RESPONSIBLE FOR ANY ERROR OR OMISSION OR ANY LOSSES OR DAMAGES RESULTING FROM THE USE OF THIS INFORMATION.

- CURRENT OWNER: MALCOLM K. FEARING, II & SUSAN F. FEARING, PO BOX 759, MANTO, NC 27654 (822) 473-5514
- PROPERTY INFORMATION: PIN: 9789-00-36-8876, P.O. 03597900, ADDRESS: 0 S CALIFORNIA LN, ZONED: INDUSTRIAL (I-1)
- SUBJECT REFERENCES: DB 851, PG 874
- TOTAL PARCEL AREA = 2,326,202 SF / 53.27 AC (AREAS BY COORDINATE METHOD)
- BOUNDARY AND TOPOGRAPHIC INFORMATION SHOWN BASED FIELD SURVEY DATA FROM QUIBLE & ASSOCIATES, P.C. DATED 12-27-18, 01-10-19, & 12-6-19.
- PROPERTY IS LOCATED IN NFP FLOOD ZONE AE (4') AND SUBJECT TO CHANGES, BASED ON COMMUNITY MAP NO. 375344, PANEL 9789, SUFFIX K, (MAP NUMBER 3720978900) EFFECTIVE DATE: 6/19/20.
- THIS PLAN SUBJECT TO ANY FACTS, INCLUDING BUILDING SETBACK RESTRICTIONS, EASEMENTS, COVENANTS, ETC., THAT MAY BE REVEALED BY A FULL AND ACCURATE TITLE SEARCH.



BEACHLAND FARMS CAMPGROUND BOUNDARY EXHIBIT
 PIN: 9789-00-36-8876
 MALCOLM K. FEARING, III
 ROANOKE ISLAND
 DARE COUNTY
 NORTH CAROLINA

PROJECT NO.	P18119
DESIGNED BY	DLT
DRAWN BY	DLT
CHECKED BY	MWS
ISSUE DATE	07/13/20
SHEET NO.	1
OF 1 SHEETS	



Anlauf Engineering, PLLC
 CIVIL ENGINEERING SERVICES
 1000 W. 10TH ST., SUITE 100
 WILMINGTON, NC 28401
 TEL: 704.261.1111 FAX: 704.261.1112

Professional Engineer
 J. ANLAUF
 License No. 35880

EX. MANHOLE RIMS AND INVERT INFORMATION CALCULATED FROM RELATIVE ELEVATION DATA PROVIDED BY DON RANKIN, P.E. SANITARY SEWER INVERTS TO BE FIELD CONFIRMED PRIOR TO SETTING ANY SOLIDS COLLECTION TANKS OR PLACING NEW R.V. SITE SANITARY SEWER HOOK-UP CONNECTIONS OR LINES.

AREA OF SHARED USE SITE TO BE PART OF THE R.V. PARK = ±87,803 SQ.FT. (2.02 ACRES)

Id	Bearing	Distance
L1	S 11°31'45" N	64.72'
L2	S 30°36'05" N	52.30'
L3	S 10°19'20" N	33.63'
L4	S 20°35'23" N	31.83'
L5	S 24°56'21" N	66.84'
L6	S 15°52'40" N	36.71'
L7	S 14°21'21" N	31.75'
L8	S 45°38'56" N	17.16'
L9	S 34°00'11" N	17.06'
L10	S 81°26'03" N	4.44'
L11	S 6°06'34" N	26.82'
L12	S 38°24'10" E	10.22'
L13	S 0°24'34" N	31.51'
L14	S 11°02'32" N	52.78'

NOTE:
 THE DATA GIVEN ON THESE PLANS IS BELIEVED TO BE ACCURATE, BUT THE ACCURACY IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL LEVELS, LOCATIONS, TYPES, AND DIMENSIONS OF THE EXISTING UTILITIES PRIOR TO CONSTRUCTION. IF A DISCREPANCY IS FOUND, WORK SHALL CEASE AND THE ENGINEER NOTIFIED. WORK MAY CONTINUE UPON ENGINEER'S NOTICE TO PROCEED.

NO.	DATE	REVISIONS
1	11/17/20	ISSUES PER DATE COUNTY REVIEW
2	12/21/20	ISSUES PER DATE COUNTY FIRE MARSHAL REVIEW

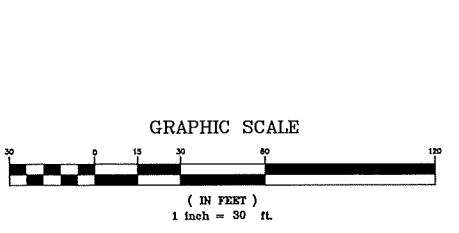
EXISTING CONDITIONS

AVON BY THE SEA R.V. PARK
 AVON PIER, LLC

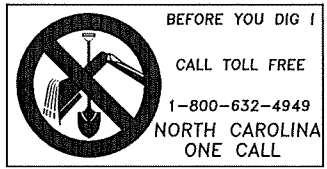
AVON
 DARE COUNTY
 NORTH CAROLINA

COMMISSION NO. P14002
 DESIGNED BY JJA
 DRAWN BY JJA
 CHECKED BY JJA
 ISSUE DATE 9/17/20

SHEET NO. 1
 OF 2 SHEETS

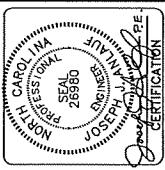
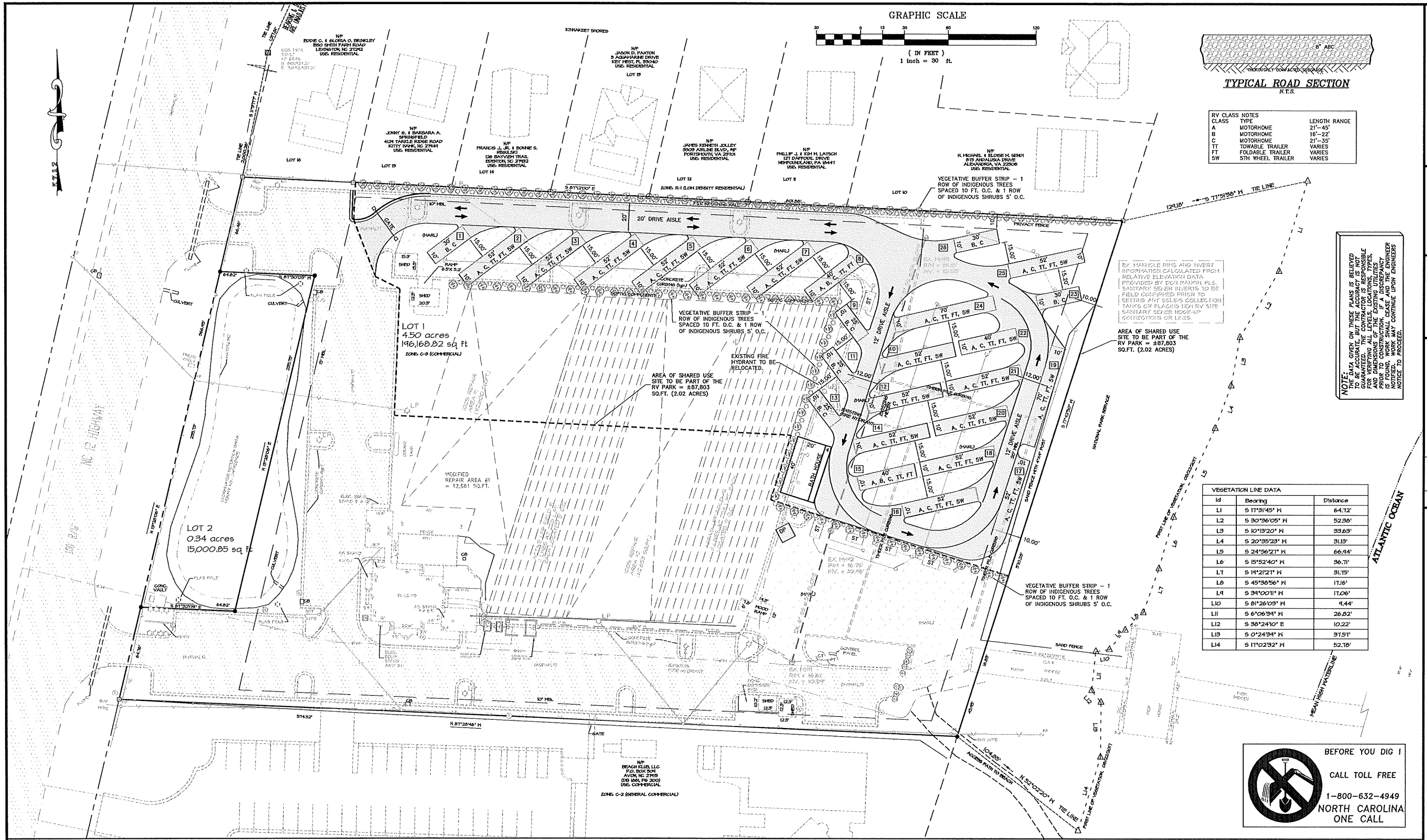


- NOTES:**
- OWNER: AVON PIER, LLC
P.O. BOX 308
AVON, NC 27815
 - ENGINEER: ANLAUF ENGINEERING, PLLC
JOSEPH J. ANLAUF, P.E.
4721 W. EDEN ST.
KITTY HAWK, NC 27749
(252)488-7143
j@anlaufeng.com
 - SITE ADDRESS: 4100, NC 12 HWY
AVON, NC 27815
 - PN NUMBERS: LOT 1 - 01 0549 06 29 6857
LOT 2 - 01 0549 05 29 8375
 - PARCEL NUMBERS: LOT 1 - 014600000
LOT 2 - 014600000
 - PARCEL AREAS: LOT 1 - 4.50 ACRES (196,168.82 SQ.FT.)
LOT 2 - 0.34 ACRES (15,000.85 SQ.FT.)
 - RECORDED REFERENCE: PG "D", SL 52
 - NTP FLOOD ZONES: VE-10F, SHADEN X & ZONE X
MAP NUMBER: 370054000
SUBJECT TO CHANGE BY FEMA
EFFECTIVE 6/18/20
 - PLANS: STAKED BY NCECO, DOM SURVEYED ON 06/22/17
 - ZONE: C-3 COMMERCIAL DISTRICT
 - CURRENT USES: 150 SEAT RESTAURANT AND ASSOCIATED PARKING
FOOD AND BEVERAGE AND ASSOCIATED PARKING
 - EXISTING WASTEWATER SYSTEM CAPACITY: 12,540 GPD
 - EXISTING WASTEWATER SYSTEM CONFIGURATION:
4,000 GALLON GREASE TRAP - PANSEA RESTAURANT
8,000 GALLON SEPTIC TANK - PANSEA RESTAURANT
MULTI-BAY SEPTIC TANK - EXISTING PIER AND PIERHOUSE
GRAVITY SEWER COLLECTION LINES
DOWNS PUMP STATION
LOW PRESSURE PIPE (LPP) DRAINFIELD COMPRISED OF
22 LINES OF 228 LFT. EACH LOCATED 5' O.C.
 - EXISTING COVERAGE AREAS:
EX. BUILDINGS, HVAC STAIRS, WOODEN DECKS = 8,103.37 SQ.FT.
EX. ASPHALT PAVING = 48,145.86 SQ.FT.
EX. CONCRETE CURBS & WALKS = 7,841.20 SQ.FT.
EX. ASPHALT DRIVEWAY = 32,811.09 SQ.FT.
TOTAL = 98,501.43 SQ.FT.
 - EXISTING PERCENT COVERAGE OF LOT 1 = [8,501.43 SQ.FT./196,168.82 SQ.FT.] X 100 = 50.21%
 - EXISTING PERCENT COVERAGE OF LOT 1 & LOT 2 COMBINED = [88,501.43 SQ.FT./211,169.67 SQ.FT.] X 100 = 48.85%
 - EXISTING STORMWATER SYSTEM PERMITS: PERMIT NO.: SW7820405
 - LONG TERM AVERAGE ANNUAL EROSION RATE: ~3.0 FEET/YEAR
(EROSION, SOURCE: NC DIVISION OF COASTAL MANAGEMENT (DCM) ACROSS
INTERACTIVE MAP, EROSION RATES 2020, SETBACK FACTORS 2020).
 - EXISTING PARKING: 219 SPACES
PAVING PARKING SPACES = 107 PARKING SPACES
(INCLUDES 8 ADA COMPLIANT HOV SPACES)
GRAVEL PARKING SPACES = 112 PARKING SPACES
(DESIGNATED ON THIS PLAN BUT NOT STRIPED IN THE FIELD)
 - AS-BUILT SURVEY INFORMATION TAKEN FROM SURVEY ENTITLED "SURVEY
FOR AVON PIER, LLC, LOTS 1 & 2 AVON BUNTON L.P., 4100 NC 12 HWY,
AVON, NC 27815" AS PREPARED BY FREDRICK O. RANKIN, PLS.
 - EXISTING POTABLE WATER SUPPLY BY THE DCMO THROUGH A 6" MAIN
ENTERING THE SOUTHWEST CORNER OF THE PROJECT. THE WATERMAIN
ALIGNMENT INCLUDES TWO (2) EXISTING FIRE HYDRANT ASSEMBLIES AND THREE
(3) METERS.



LEGEND

EXISTING ASPHALT	UTILITY POLE	CONTROL VALVE	COLLECTION TANK
EXISTING GRAVEL	PEDESTAL	CATCH BASIN	FENCE
EXISTING CONCRETE MONUMENT	WATER METER	FLAG POLE	DIRECTIONAL LIGHTING
GEODETIC MONUMENT	SET IRON STAKE	LP	MANHOLE
EXISTING IRON STAKE	CONTROL VALVE	ACCESS	SET IRON STAKE
BLOW-OFF VALVE	CATCH BASIN	SEPTIC CLEAN-OUT	PUMP TANK
	FLAG POLE	UTILITY OUTLET	
	WATER METER	ELECTRICAL OUTLET	
	WATER METER	ELECTRICAL BOX STAND	
		DOLPHIN FILES	
		PLATFORM AND PILE	



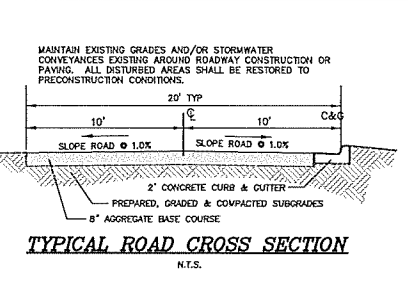
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NO.	DATE	REVISIONS
1	11/11/20	ISSUANCE PER DARE COUNTY REVIEW
2	12/29/20	REVISION PER DARE COUNTY FIRE MARSHAL REVIEW

RV PARK SITE PLAN
AVON BY THE SEA RV PARK
AVON PIER, LLC
NORTH CAROLINA
DARE COUNTY
AVON

COMMISSION NO. P14002
DESIGNED BY JJA
DRAWN BY JJA
CHECKED BY JJA
ISSUE DATE 10/1/20
SHEET NO. 2
OF 2 SHEETS

- NOTES:**
- OWNER: AVON PIER, LLC
P.O. BOX 529
AVON, NC 27815
 - ENGINEER: ANLAUF ENGINEERING, PLLC
JOSEPH A. ANLAUF, P.E.
4721 W. ECHOLS ST.
KITTY HAWK, NC 27549
(332)448-7143
j@anlauf.com
 - SITE ADDRESS: 4100W, NC 12 HWY
AVON, NC 27815
 - FIN NUMBERS: LOT 1 - 01 0549 08 28 8557
LOT 2 - 01 0549 05 29 9375
 - PARCEL NUMBERS: LOT 1 - 014800000
LOT 2 - 014802000
 - RECORDED REFERENCES: PG "D", SL 82
 - NFP FLOOD ZONES: VE-10', SHADEN 2 & ZONE X
MAP NUMBER: 3720049002
SUBJECT TO CHANGE BY FEMA
EFFECTIVE 4/19/2024.
 - FLSY: STAKED BY NCOED, DCM SURVEYED ON 08/22/17
 - ZONE: C-3 COMMERCIAL DISTRICT
 - CURRENT USES: 150 SEAT RESTAURANT AND ASSOCIATED PARKING PER AND PERISHORE ASSOCIATED PARKING
 - PROPOSED USES: TWENTY-SIX (26) RV PARK SITES (FIFTEEN (15) PARK ON A SHARED USE SITE)
 - EXISTING WASTEWATER SYSTEM CAPACITY = 12,540 GPD
 - WASTEWATER FLOW ALLOCATION PER OCHD
EX. 150 SEAT RESTAURANT = 4,000 GPD
EX. PER = 530 GPD
EX. PERISHORE = 270 GPD
TOTAL WASTEWATER CAPACITY CURRENTLY ALLOCATED = 6,800 GPD
TOTAL SYSTEM CAPACITY = 12,540 GPD
SURPLUS CAPACITY BEFORE RV PARK FLOW = 5,740 GPD
 - NEW RV PARK WASTEWATER DESIGN FLOW = 28 RV SITES X 120 GPD/SITE = 3,360 GPD
 - SURPLUS WASTEWATER SYSTEM CAPACITY AFTER ADDITION OF 28 RV SITES [12,540 GPD - (8,800 GPD + 3,120 GPD)] = 2,620 GPD
 - RV PARK BATHHOUSE WILL HAVE TWO (2) FLUSH TOILETS, TWO (2) SHOWERS AND TWO (2) LAVATORY FOR EACH GENDER. EACH SITE WILL BE PROVIDED A WATER AND SEWER UTILITY CONNECTION.
 - PROPOSED COVERAGE AREAS:
EX. BUILDINGS, WOOD STAKES, WOODEN DECKS = 5,103.37 SQ.FT.
EX. ASPHALT DRIVEWAYS, DRIVEWAYS, DRIVEWAYS, DRIVEWAYS = 40,145.85 SQ.FT.
EX. CONCRETE CURBS & WALKS = 7,561.20 SQ.FT.
EX. ASPHALT PAVEMENT = 30,819.00 SQ.FT.
EX. ASPHALT DRIVEWAYS = 14,518.82 SQ.FT.
TOTAL = 98,537.97 SQ.FT.
 - PROPOSED PERCENT COVERAGE OF LOT 1 = [91,507.97 SQ.FT./196,168.82 SQ.FT.] X 100 = 46.65%
 - PROPOSED PERCENT COVERAGE OF LOT 1 & LOT 2 COMBINED = [91,507.97 SQ.FT./211,169.87 SQ.FT.] X 100 = 43.35%
 - EXISTING STORMWATER SYSTEM FLOWING FROM THE SOUTHWEST CORNER OF THE PROJECT RESULTS IN A REDUCTION 6,800 GPD OF INTERFERING SURFACES AND PROPOSES LESS THAN 10,000 SQ.FT. OF NEW IMPERVIOUS SURFACE.
 - THE PROPOSED PROJECT WILL REPURPOSE EXISTING GRAVEL SURFACES AND WEDGE LAND DISTURBING ACTIVITIES TO 221,637.74 SQ.FT. WHICH IS THE SUM OF THE EXISTING IMPERVIOUS SURFACES TO BE REMOVED AND THE NEW IMPERVIOUS SURFACES TO BE INSTALLED.
 - EXISTING PARKING: 219 SPACES
PAVING PARKING SPACES = 107 PARKING SPACES (INCLUDES 8 ADA COMPLIANT HOV SPACES)
GRAVEL PARKING SPACES = 112 PARKING SPACES (DESIGNATED ON THIS PLAN BUT NOT STIPED IN THE FIELD)
 - PROPOSED PARKING
150 RESTAURANT SEATS - 1 SPACE PER EVERY 3 SEATS = 50 SPACES
8 RESTAURANT EMPLOYEES - 1 SPACE PER EVERY 3 EMP. = 3 SPACES
PIER = 25 SPACES
PERISHORE BEACH = 1 SPACE PER EVERY 200 SQ.FT. = 11 SPACES
TOTAL REQUIRED SPACES = 89 SPACES
89 SPACES LEFT TO CREATE NEW RV PARK
TOTAL SPACES IN PLACE ON SITE = 121 SPACES
 - AS-BUILT SURVEY INFORMATION TAKEN FROM SURVEY ENTITLED "SURVEY FOR AVON PIER, LLC, LOTS 1 & 2, AVON THORNTON L.P., 4100W NC 12 HWY, AVON, NC 27815" AS PREPARED BY FREDDY D. RAMON, PLS.
 - EXISTING FIRE HYDRANT TO BE RELOCATED TO A POSITION THAT BENEFITS BOTH THE PER PROPERTY AND THE RV PARK. FINAL LOCATION OF HYDRANT TO BE COORDINATED WITH STEVE KOVACS, DARE COUNTY FIRE MARSHAL. PRIOR TO MAKING ANY IMPROVEMENTS THE HYDRANT SHALL BE TESTED FOR FLOW AND THE RESULTS SHALL BE PROVIDED TO THE FIRE MARSHAL.
 - SITE IMPROVEMENTS TO COMPLY WITH THE FOLLOWING PROVISIONS OF THE NCEC:
NCEC 503.2.1 Dimensions: Fire apparatus access roads shall have an unobstructed width of not less than 20 feet (6096 mm), exclusive of shoulders, except for approved auxiliary gates in accordance with Section 503.8, and an unobstructed vertical clearance of not less than 13 feet 6 inches (4115 mm). The width of the one-way travel lane is approved to be reduced to 12 feet on long or fire and clear movement is maintained.
NCEC 503.2.3 Surface: Fire apparatus access roads shall be designed and maintained to support the imposed loads (75,000 pounds) of fire apparatus and shall be surfaced so as to provide all-weather driving capabilities.
NCEC 503.4 Obstruction of fire apparatus access roads: Fire apparatus access roads shall not be obstructed in any manner, including the parking of vehicles. The minimum width and clearance established in 503.2.1 and 503.2.2 shall be maintained at all times.
NCEC 503.8 Security gates: The installation of security gates across a fire apparatus access road shall be approved by the fire chief (Fire Marshal). Where security gates are installed, they shall be on approved emergency operation. The security gates and the emergency operation shall be maintained operational at all times. 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.



- LEGEND**
- EXISTING ASPHALT
 - EXISTING GRAVEL
 - PROPOSED GRAVEL
 - UTILITY POLE
 - PEDESTAL
 - WATER METER
 - SET IRON STAKE
 - CONTROL VALVE
 - CATCH BASIN
 - FLAG POLE
 - NIGHT LIGHT
 - WTE LIGHT
 - UTILITY POLE
 - PEDESTAL
 - WATER METER
 - CONTROL VALVE
 - CATCH BASIN
 - FLAG POLE
 - ELECTRICAL OUTLET
 - ELECTRICAL BOX STAND
 - DOLPHIN POLES
 - PLATFORM AND FILL
 - COLLECTION TANK
 - FENCE
 - DIRECTIONAL LIGHTING
 - HANDHOLE
 - EXISTING CONCRETE WORK
 - GEODETIC MONUMENT
 - EXISTING IRON STAKE
 - BLOW-OFF VALVE
 - PUMP TANK
 - SET IRON STAKE