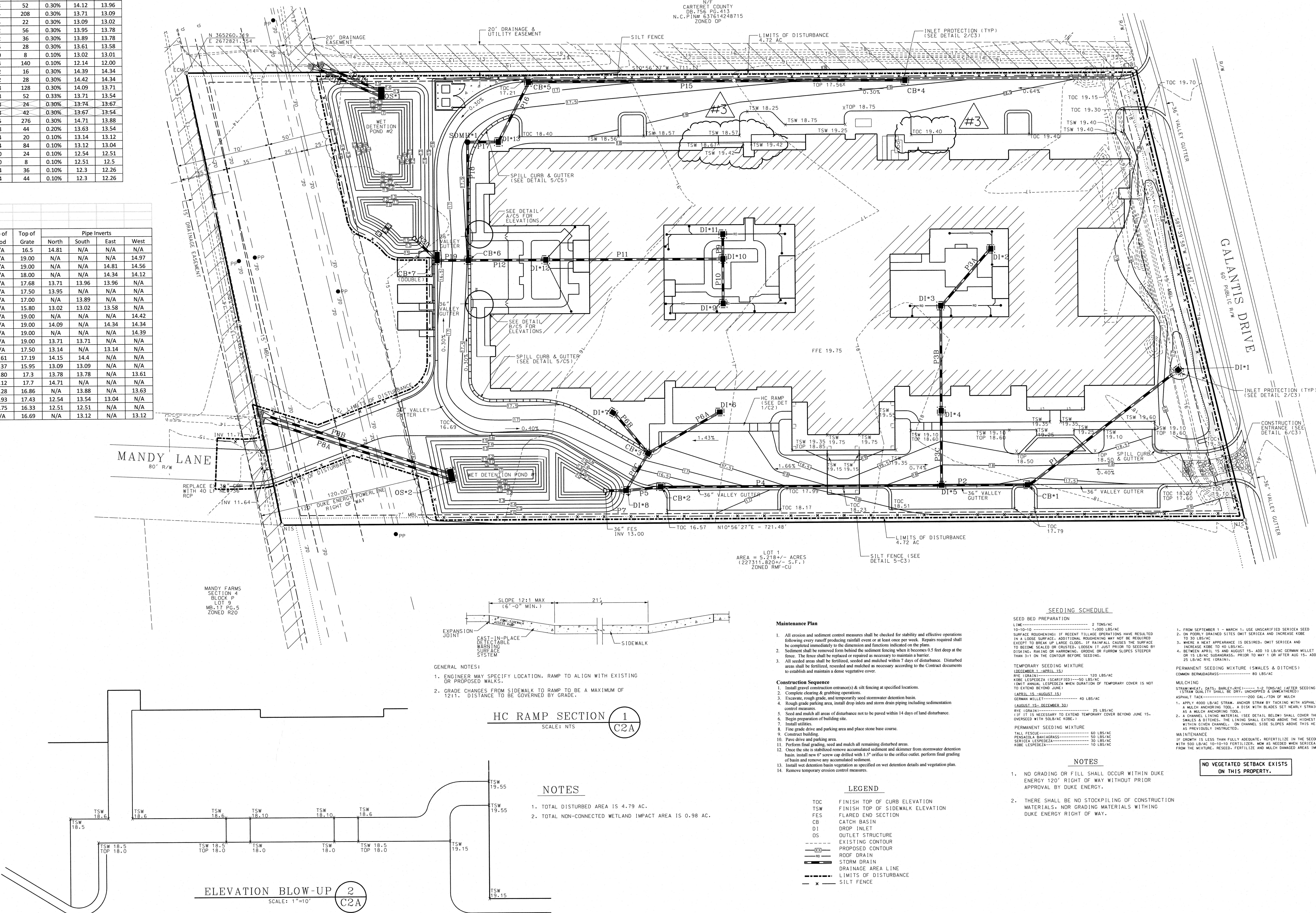


Pipe Schedule				
Pipe No.	Size (in.)	Length (ft.)	Grade (%)	Invert El. (ft.) In Out
1	12	136	0.30%	14.81 13.96
2	18	64	0.30%	14.15 13.96
3A	12	52	0.30%	14.97 14.81
3B	15	72	0.30%	14.56 14.34
3C	18	52	0.30%	14.12 13.96
4	24	208	0.30%	13.71 13.09
5	24	22	0.30%	13.09 13.02
6A	12	56	0.30%	13.95 13.78
6B	12	36	0.30%	13.89 13.78
6C	15	28	0.30%	13.61 13.58
7	30	8	0.10%	13.02 13.01
8A&B	24	140	0.10%	12.14 12.00
9	12	16	0.30%	14.39 14.34
10	12	28	0.30%	14.42 14.34
11	18	128	0.30%	14.09 13.71
12	18	52	0.33%	13.71 13.54
13	18	24	0.30%	13.74 13.67
14	18	42	0.30%	13.67 13.54
15	15	276	0.30%	14.71 13.88
16	18	44	0.20%	13.63 13.54
17	24	20	0.10%	13.14 13.12
18	24	84	0.10%	13.12 13.04
19	30	24	0.10%	12.54 12.51
20	30	8	0.10%	12.51 12.5
21A	24	36	0.10%	12.3 12.26
21B	24	44	0.10%	12.3 12.26

Inlet Schedule						
Inlet No.	Top of Hood	Top of Grate	Pipe Inverts			
			North	South	East	West
DI 1	N/A	16.5	14.81	N/A	N/A	N/A
DI 2	N/A	19.00	N/A	N/A	N/A	14.97
DI 3	N/A	19.00	N/A	N/A	14.81	14.56
DI 4	N/A	18.00	N/A	N/A	14.34	14.12
DI 5	N/A	17.68	13.71	13.96	13.96	N/A
DI 6	N/A	17.50	13.95	N/A	N/A	N/A
DI 7	N/A	17.00	N/A	13.89	N/A	N/A
DI 8	N/A	15.80	13.02	13.02	13.58	N/A
DI 9	N/A	19.00	N/A	N/A	N/A	14.42
DI 10	N/A	19.00	14.09	N/A	14.34	14.34
DI 11	N/A	19.00	N/A	N/A	N/A	14.39
DI 12	N/A	19.00	13.71	13.71	N/A	N/A
DI 13	N/A	17.50	13.14	N/A	13.14	N/A
CB 1	17.61	17.19	14.15	14.4	N/A	N/A
CB 2	16.37	15.95	13.09	13.09	N/A	N/A
CB 3	17.80	17.3	13.78	13.78	N/A	13.61
CB 4	18.12	17.7	14.71	N/A	N/A	N/A
CB 5	17.28	16.86	N/A	13.88	N/A	13.63
CB 6	17.93	17.43	12.54	13.54	13.04	N/A
CB 7	16.75	16.33	12.51	12.51	N/A	N/A
SDMH 1	N/A	16.69	N/A	13.12	N/A	13.12



HC RAMP SECTION 1
SCALE: NTS C2A

NOTES

1. TOTAL DISTURBED AREA IS 4.79 AC.
2. TOTAL NON-CONNECTED WETLAND IMPACT AREA IS 0.98 AC.

LEGEND

- TOC FINISH TOP OF CURB ELEVATION
- TSW FINISH TOP OF SIDEWALK ELEVATION
- FES FLARED END SECTION
- CB CATCH BASIN
- DI DROP INLET
- OS OUTLET STRUCTURE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- ROOF DRAIN
- STORM DRAIN
- DRAINAGE AREA LINE
- LIMITS OF DISTURBANCE
- SILT FENCE

NOTES

1. NO GRADING OR FILL SHALL OCCUR WITHIN DUKE ENERGY 120' RIGHT OF WAY WITHOUT PRIOR APPROVAL BY DUKE ENERGY.
2. THERE SHALL BE NO STOCKPILING OF CONSTRUCTION MATERIALS, NOR GRADING MATERIALS WITHIN DUKE ENERGY RIGHT OF WAY.

NO VEGETATED SETBACK EXISTS ON THIS PROPERTY.

SEEDING SCHEDULE

SEED BED PREPARATION
 1. LIME (GRAIN)----- 2 TONS/AC
 10-10-10----- 1,000 LBS/AC
 IN A LOOSE SURFACE. ADDITIONAL ROUGHENING MAY NOT BE REQUIRED EXCEPT TO BREAK UP LARGE CLOBS. IF RAUWALL CAUSES THE SURFACE TO BECOME SEALED OR CRUSTED, LOOSEN IT JUST PRIOR TO SEEDING BY DISKING, RAKING OR HANDING. GROOVE OR FURROW SLOPES STEEPER THAN 3:1 ON THE CONTOUR BEFORE SEEDING.
 PERMANENT SEEDING MIXTURE (SWALES & DITCHES)
 COMMON BERMUDAGRASS----- 80 LBS/AC
 MULCHING
 1. FROM SEPTEMBER 1 - MARCH 1, USE UNGRAINED SERICEA SEED 2. ON POORLY DRAINER SITES OMIT SERICEA AND INCREASE KOBÉ TO 50 LBS/AC.
 3. WHERE A NEAT APPEARANCE IS DESIRED, OMIT SERICEA AND INCREASE KOBÉ TO 40 LBS/AC.
 4. BETWEEN APRIL 15 AND AUGUST 15, ADD 10 LBS/AC GERMAN WHEAT OR 15 LBS/AC CUDAGRASS. PRIOR TO MAY 1 OR AFTER AUG 15, ADD 25 LBS/AC RYE (GRAIN).
 PERMANENT SEEDING MIXTURE (SWALES & DITCHES)
 COMMON BERMUDAGRASS----- 80 LBS/AC
 MULCHING
 1. APPLY 4000 LBS/AC STRAW. ANCHOR STRAW BY TACKING WITH ASPHALT, NETTING OR A MULCH ANCHORING TOOL. A 5/16" WITH BAKES SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.
 2. A CHANNEL LIVING MATERIAL, (SEE DETAIL BELOW) SHALL COVER THE BOTTOM OF SWALES & DITCHES. THE LINING SHALL EXTEND ABOVE THE HIGHEST DEPTH OF FLOW WITHIN EACH CHANNEL. ON CHANNEL, SIDE SLOPES ABOVE THIS HEIGHT APPLY STRAW AS PREVIOUSLY INSTRUCTED.
 MAINTENANCE
 IF GROWTH IS LESS THAN FULLY ADEQUATE, RE-FERTILIZE IN THE SECOND YEAR WITH 500 LBS/AC 10-10-10 FERTILIZER. NOW AS NEEDED WHEN SERICEA IS OMITTED FROM THE MIXTURE. RE-SEED, FERTILIZE AND MULCH DAMAGED AREAS IMMEDIATELY.

Maintenance Plan

1. All erosion and sediment control measures shall be checked for stability and effective operation following every rainfall producing rainfall event or at least once per week. Repairs required shall be completed immediately to the dimension and function indicated on the plans.
2. Sediment shall be removed from behind the sediment fencing when it becomes 0.5 feet deep at the fence. The fence shall be replaced or repaired as necessary to maintain a barrier.
3. All seeded areas shall be fertilized, seeded and mulched within 7 days of disturbance. Disturbed areas shall be fertilized, seeded and mulched as necessary according to the Contract documents to establish and maintain a dense vegetative cover.

Construction Sequence

1. Install gravel construction entrance(s) & silt fencing at specified locations.
2. Complete clearing & grubbing operations.
3. Excavate, rough grade, and temporarily remove stormwater detention basins.
4. Rough grade parking areas, install drop inlets and storm drain piping including sedimentation control measures.
5. Seed and mulch all areas of disturbance not to be paved within 14 days of land disturbance.
6. Begin preparation of building site.
7. Install utilities.
8. Fine grade drive and parking area and place stone base course.
9. Construct building.
10. Pave drive and parking area.
11. Perform final grading, seed and mulch all remaining disturbed areas.
12. Once the site is stabilized remove accumulated sediment and dismember from stormwater detention basin. Install new 6" screw cap drilled with 1.5" orifice to the orifice outlet, perform final grading of basin and remove any accumulated sediment.
13. Install wet detention basin vegetation as specified on wet detention details and vegetation plan.
14. Remove temporary erosion control measures.

ARCHITECTURAL CONCEPTS
2401 WEST BAY DRIVE, SUITE 200, LARGO, FL 32707

Linwood E. Stroud, P.E.
11/28/22

STROUD ENGINEERING, P.A.
1017-B COMMERCE STREET
GREENVILLE, NORTH CAROLINA 27858
(252) 756-9352
LICENSE NO. C-0647

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE-SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH THIS SECTION.

PROPOSED:

THE EMBASSY AT MOREHEAD CITY

A NEW SKILLED NURSING, MEMORY CARE, & ASSISTED LIVING FACILITY

3822 GALANTIS DRIVE
MOREHEAD CITY, NC 28557

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PUBLICATION	DATE
CONCEPT:	XX-XX-XX
SCHEMATIC DESIGN:	07-16-21
PRELIMINARY DESIGN:	07-01-21
DESIGN DEVELOPMENT:	09-01-21
PERMIT SET:	03-25-22
BID SET:	10-15-21
FOR CONSTRUCTION:	XX-XX-XX

REVISIONS:

REV. #	DATE	REVISION TITLE
1	06-08-22	TOWN OF MOREHEAD CITY SITE PLAN REVISIONS
2	07-11-22	COORDINATIVE CHANGES & NCDHHS COMMENTS
3	10-11-22	NCDOT FIRE MARSHAL COMMENTS
	10-25-22	REVISE POND
	11-28-22	REVISE SCHEDULES/ELEVATIONS

PLOT DATE: 9/14/21

FILE LOCATION:

SHEET DESCRIPTION:

GRADING, DRAINAGE, EROSION, SEDIMENTATION CONTROL, & STORMWATER MANAGEMENT PLAN

PROJECT NO. 1902

DRAWING NO.

SCALE: 1"=30'

C2A OF 8