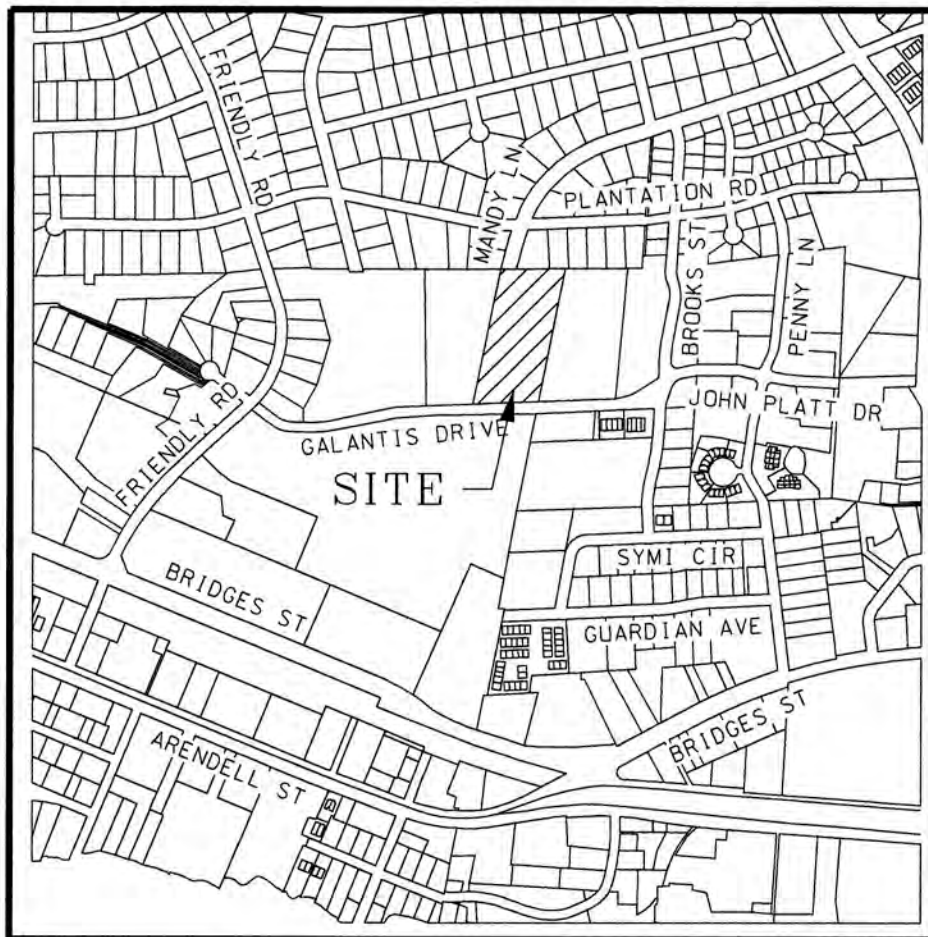
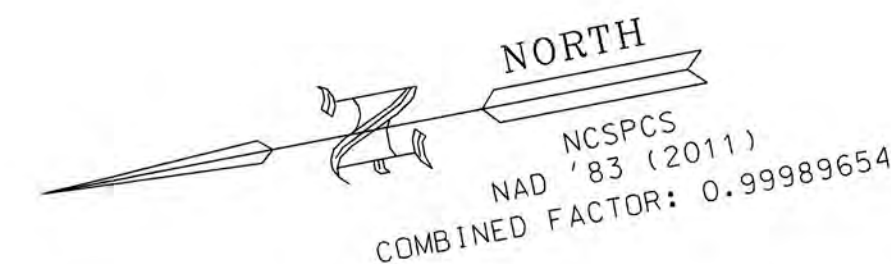




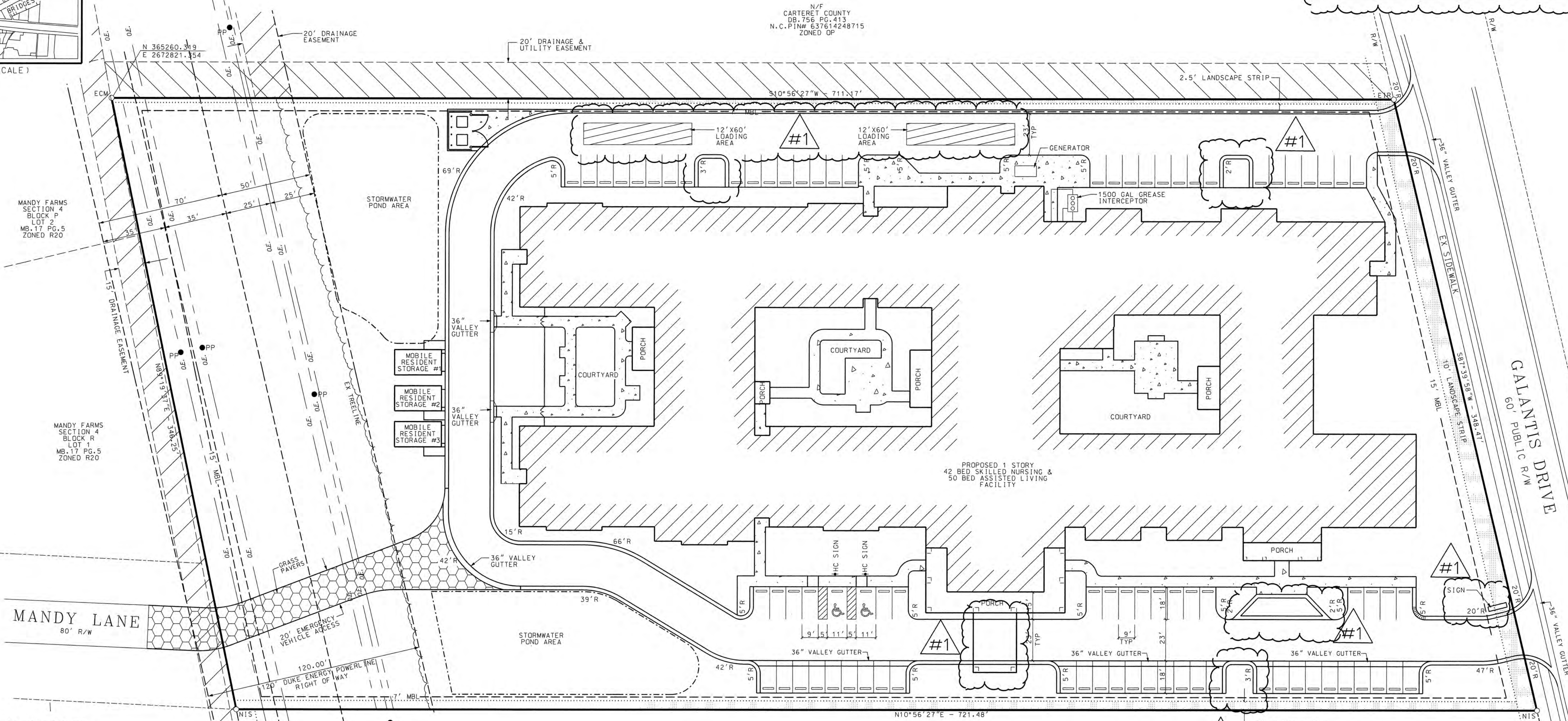
VICINITY MAP (NOT TO SCALE)



#1

SITE DATA

TOTAL AREA IN TRACT.....	5.577 ACRES
CURRENT ZONE.....	O & P
REQUIRED PARKING	
ASSISTED LIVING FACILITY	
1 SPACE PER 3 BEDROOMS.....	31 (92 BEDROOMS)
1 SPACE PER 2 EMPLOYEES.....	22 (44 EMPLOYEES)
TOTAL REQUIRED SPACES.....	53 SPACES
PROPOSED PARKING	
REGULAR SPACES.....	78 SPACES
HANDICAP SPACES.....	2 SPACES
TOTAL SPACES PROVIDED.....	80 SPACES
IMPERVIOUS AREA	
BUILDING.....	73,800 SF
SIDEWALK.....	10,807 SF
PARKING.....	48,243 SF
UNASSIGNED.....	443 SF
TOTAL.....	133,293 SF



MANDY FARMS
SECTION 4
BLOCK P
LOT 2
MB-17 PG.5
ZONED R20

MANDY FARMS
SECTION 4
BLOCK R
LOT 1
MB-17 PG.5
ZONED R20

MANDY LANE
80' R/W

GALANTIS DRIVE
60' PUBLIC R/W



1/4" DIA. X 2 1/2" LONG
TRUSS HEAD GALVANIZED
BOLTS THRU SIGN &
POST, TOP & BOTTOM.
1/2" HELVETICA MEDIUM
LETTERS
18 GAUGE GALVANIZED
SHEET METAL SIGN
COLORS:
LETTERS, BORDER &
ARROW = GREEN
HANDICAP SYMBOL = WHITE
ON BLUE BACKGROUND.
BACKGROUND - WHITE
TYP. BOTH SIGNS
2" STEEL TUBE POST
PAINT FLAT BLACK,
2 COATS
FINISH GRADE
SET POST IN 12" DIA. X 12" DEEP
CONCRETE FOOTING.

MANDY FARMS
SECTION 4
BLOCK P
LOT 9
MB-17 PG.5
ZONED R20

SHEET INDEX	
SHEET C1	SITE PLAN
SHEET C2A	GENERAL GRADING, DRAINAGE, EROSION & SEDIMENTATION CONTROL, & STORMWATER MANAGEMENT PLAN
SHEET C2B	EROSION CONTROL TEMPORARY DIVERSION PLAN
SHEET C3	UTILITY PLAN
SHEET C4	DRAINAGE DETAILS
SHEET C5	SITE WORK DETAILS
SHEET C6	ECP DETAILS
SHEET C7	WET DETENTION POND #1 DETAILS
SHEET C8	WET DETENTION POND #2 DETAILS

LOT 1
AREA = 5.218 +/- ACRES
(227311,820 +/- S.F.)
ZONED RMF-CU



Linwood E. Stroud
6/14/23
LINWOOD E. STROUD, P.E.

REVISIONS			
BY	NO.	DATE	DESCRIPTION
LHJ	1	4/08/22	REVISIONS
DM	2	4/20/22	CHANGE GRADES
LHJ	3	6/2/22	PARKING REV
LHJ	4	6/28/22	REVISIONS

SITE PLAN

**THE EMBASSY
OF MOREHEAD CITY**

REFERENCE: DB 1151 PG 49; MAP BOOK 31 PG 836

MOREHEAD CITY, CARTERET COUNTY, NORTH CAROLINA

OWNER: BEST VENTURES, LLC

ADDRESS: P.O. BOX 1198
MOREHEAD CITY, NC 28557

PHONE: 919-920-2480

DESIGNED: LES DATE: 9/14/21

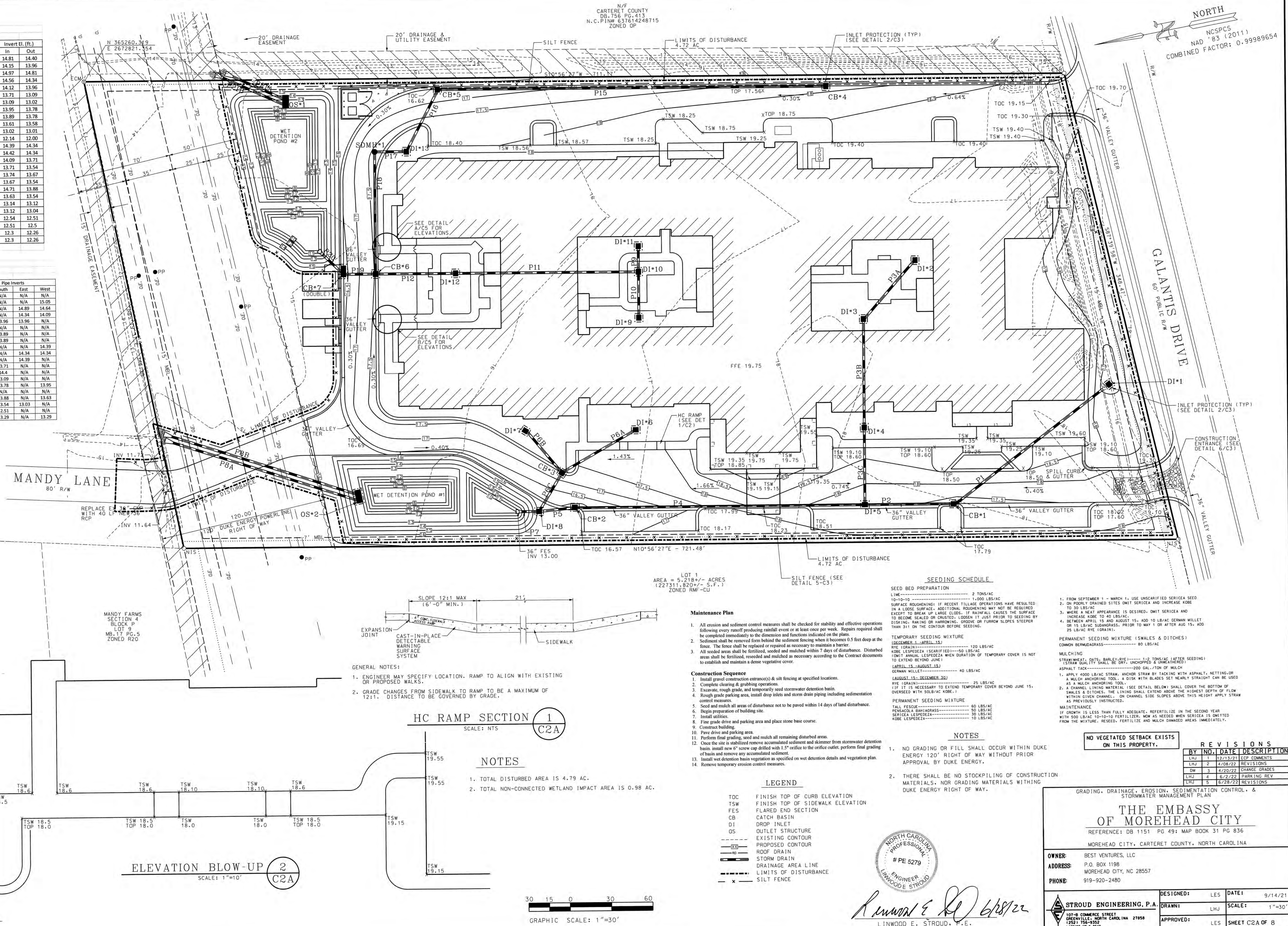
DRAWN: LHJ SCALE: 1"=30'

APPROVED: LES SHEET C1 OF 8

STRoud ENGINEERING, P.A.
107-08 COMMERCE STREET
GREENVILLE, NORTH CAROLINA 27658
(252) 756-9352
LICENSE NO. C-0047

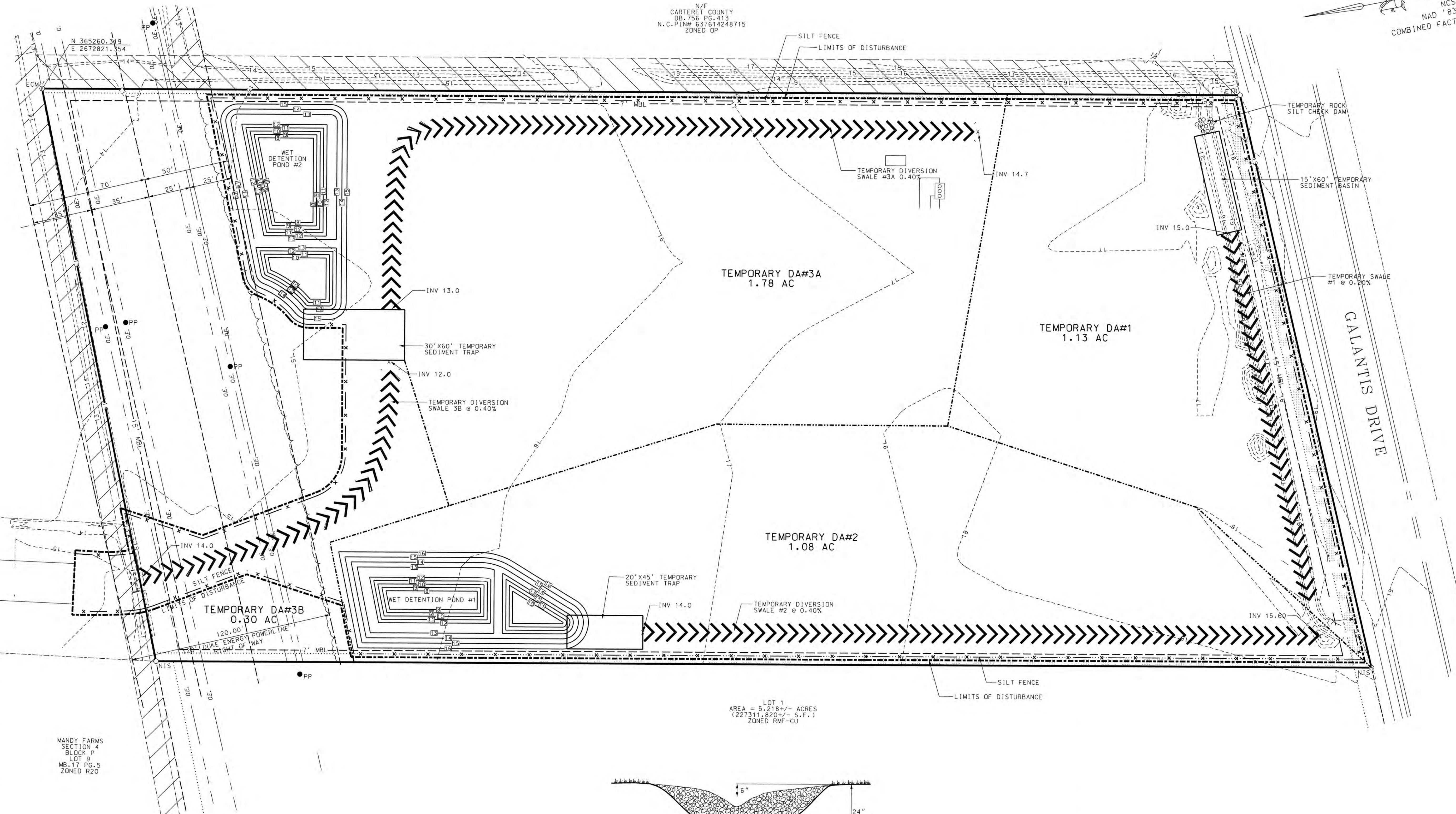
Pipe Schedule					
Pipe No.	Size (in.)	Length (ft.)	Grade (%)	Invert El. (ft.)	In Out
1	12	136	0.30%	14.81	14.40
2	18	64	0.30%	14.15	13.96
3A	12	52	0.30%	14.97	14.81
3B	15	72	0.30%	14.56	14.34
3C	18	52	0.30%	14.12	13.96
4	24	208	0.30%	13.71	13.09
5	24	22	0.30%	13.09	13.02
6A	12	56	0.30%	13.95	13.78
6B	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	North	South	East	West	
DI 1	N/A	17.5	14.81	N/A	N/A	15.05	
DI 2	N/A	19.00	N/A	N/A	N/A	14.64	
DI 3	N/A	19.00	N/A	N/A	N/A	14.09	
DI 4	N/A	18.00	N/A	N/A	N/A	14.34	
DI 5	N/A	16.70	13.71	13.96	N/A	N/A	
DI 6	N/A	17.50	13.95	N/A	N/A	N/A	
DI 7	N/A	15.00	N/A	13.89	N/A	N/A	
DI 8	N/A	15.80	N/A	13.89	N/A	N/A	
DI 9	N/A	19.00	N/A	N/A	N/A	14.39	
DI 10	N/A	19.00	N/A	N/A	N/A	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	
CB 1	19.96	19.54	14.15	14.4	N/A	N/A	
CB 2	16.37	15.95	13.09	13.09	N/A	N/A	
CB 3	16.28	15.86	13.78	13.78	N/A	13.95	
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	16.33	12.54	13.54	13.03	N/A	
CB 7	16.75	16.33	12.51	12.51	N/A	N/A	
SOMH 1	N/A	16.69	N/A	13.29	N/A	13.29	



NORTH
NCSPCS
NAD '83 (2011)
COMBINED FACTOR: 0.99989654

N/F
CARTERET COUNTY
DB. 758 PG. 413
N.C. PIN# 637614248715
ZONED DP



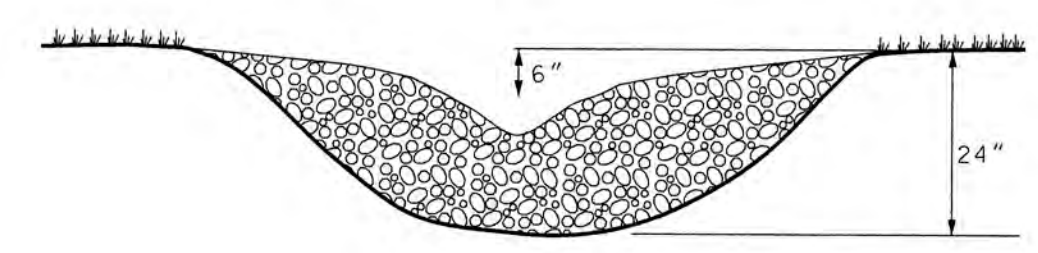
MANDY FARMS
SECTION 4
BLOCK P
LOT 9
MB-17 PG. 5
ZONED R20

NOTES

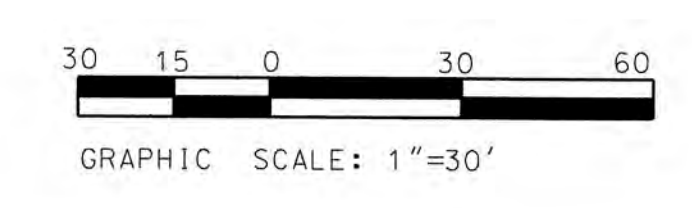
- NO GRADING OR FILL SHALL OCCUR WITHIN DUKE ENERGY 120' RIGHT OF WAY WITHOUT PRIOR APPROVAL BY DUKE ENERGY.
- THERE SHALL BE NO STOCKPILING OF CONSTRUCTION MATERIALS, NOR GRADING MATERIALS WITHIN DUKE ENERGY RIGHT OF WAY.

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



ROCK SILT CHECK DAM DETAIL 1
SCALE: NTS
C2B



Linwood E. Stroud
LINWOOD E. STROUD, P.E.

REVISIONS

BY	NO.	DATE	DESCRIPTION
LHJ	1	12/13/21	ECP COMMENTS
LHJ	2	4/08/22	REVISION
DM	3	4/20/22	CHANGE GRADES
LHJ	4	6/22/22	PARKING REV
LHJ	5	6/28/22	REVISION

EROSION CONTROL TEMPORARY DIVERSION PLAN

THE EMBASSY
OF MOREHEAD CITY
REFERENCE: DB 1151 PG 49; MAP BOOK 31 PG 836

MOREHEAD CITY, CARTERET COUNTY, NORTH CAROLINA

OWNER: BEST VENTURES, LLC
ADDRESS: P.O. BOX 1198
MOREHEAD CITY, NC 28557
PHONE: 919-920-2480

STROUD ENGINEERING, P.A.
107-B COMMERCE STREET
GREENVILLE, NORTH CAROLINA 27030
(252) 756-9352
LICENSE NO. C-0047

DESIGNED:	LES	DATE:	9/14/21
DRAWN:	LHJ	SCALE:	1"=30'
APPROVED:	LES	SHEET	C2B OF 8

NORTH
NCSPCS
NAD '83 (2011)
COMBINED FACTOR: 0.99989654

N/F
CARTERET COUNTY
DB-756 PG.413
N.C. PIN# 637614248715
ZONED DP

N 365260.319
E 2672821.354

MANDY FARMS
SECTION 4
BLOCK P
LOT 2
MB-17 PG.5
ZONED R20

MANDY FARMS
SECTION 4
BLOCK P
LOT 1
MB-17 PG.5
ZONED R20

MANDY LANE
80' R/W

MANDY FARMS
SECTION 4
BLOCK P
LOT 3
MB-17 PG.5
ZONED R20

PROJECT NO.: PM3039-001
DRAWING NO.: 001

30 15 0 30 60
GRAPHIC SCALE: 1"=30'



Linwood E. Stroud
LINWOOD E. STROUD, P.E.

REVISIONS			
BY	NO.	DATE	DESCRIPTION
LHJ	1	4/20/22	CHANGE GRADES
LHJ	2	6/2/22	PARKING REV
LHJ	2	6/28/22	REVISIONS

UTILITY PLAN

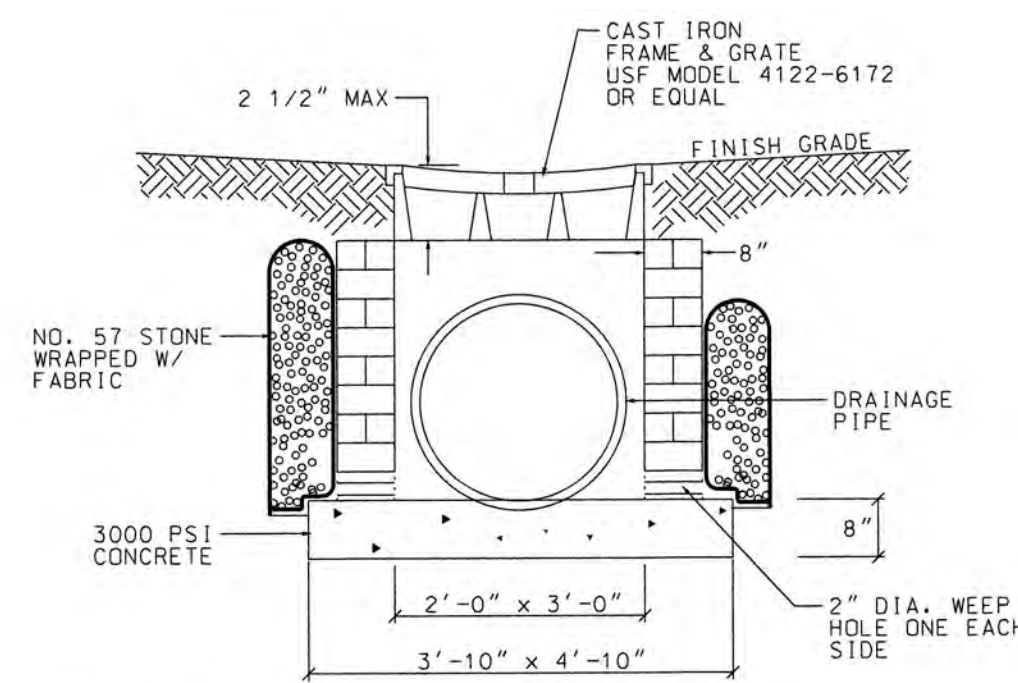
**THE EMBASSY
OF MOREHEAD CITY**

REFERENCE: DB 1151 PG 49; MAP BOOK 31 PG 836
MOREHEAD CITY, CARTERET COUNTY, NORTH CAROLINA

OWNER: BEST VENTURES, LLC
ADDRESS: P.O. BOX 1198
MOREHEAD CITY, NC 28557
PHONE: 919-920-2480

DESIGNED: LES	DATE: 7/22/21
DRAWN: LHJ	SCALE: 1"=30'
APPROVED: LES	SHEET C3 OF 8

STROUD ENGINEERING, P.A.
107-B COMMERCE STREET
GREENVILLE, NORTH CAROLINA 27658
(252) 756-9352
LICENSE NO. C-9547

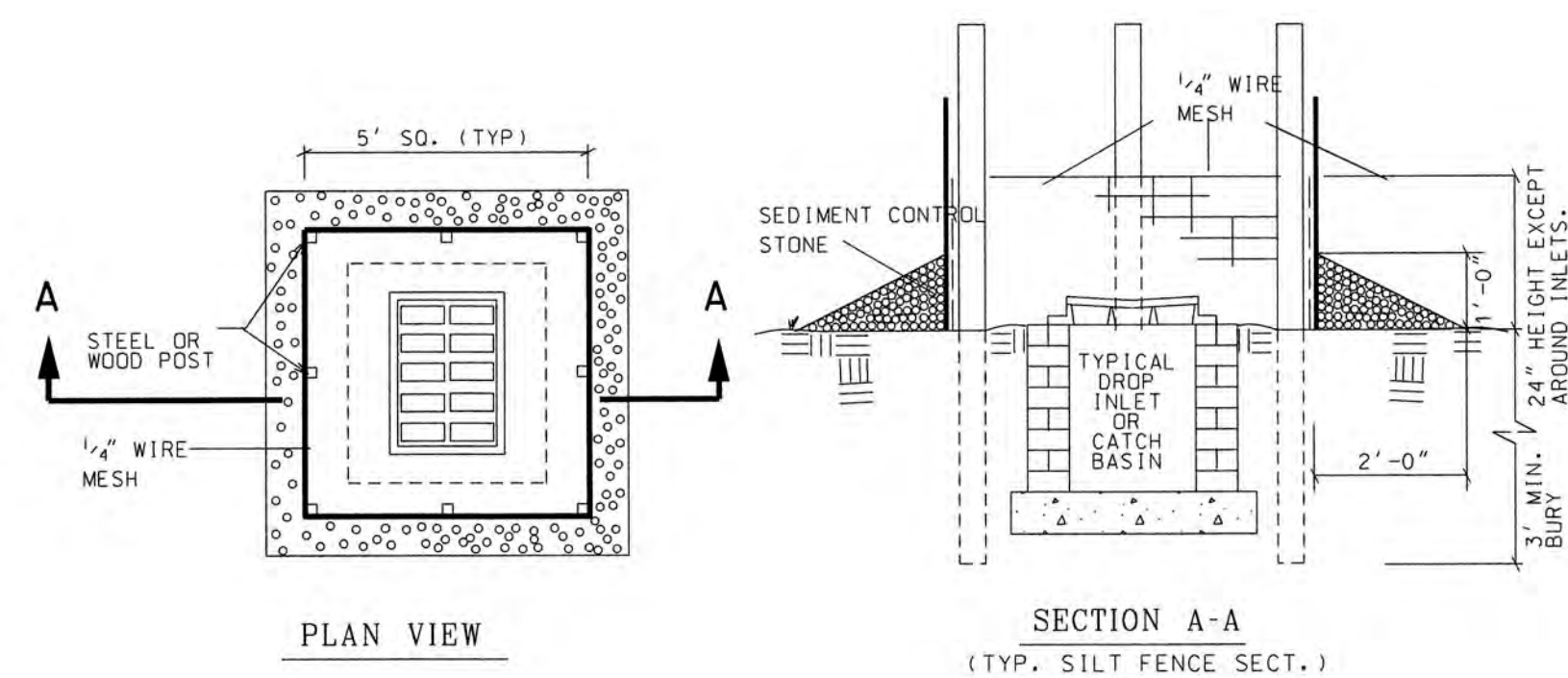


NOTE:
INTERIOR DIM. = 24" X 36"

TYPICAL DROP INLET

SCALE: NTS

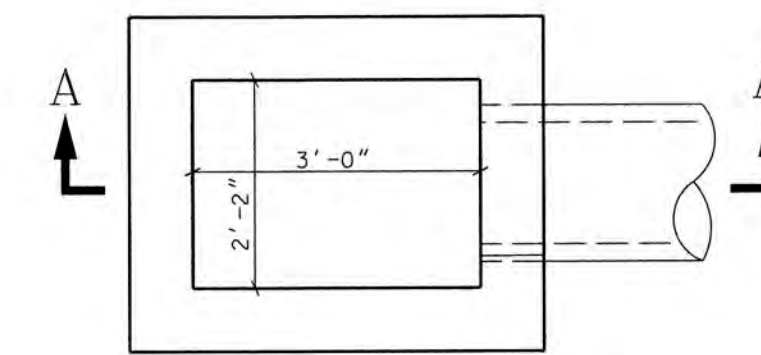
1
C4



INLET PROTECTOR

SCALE: NTS

2
C4

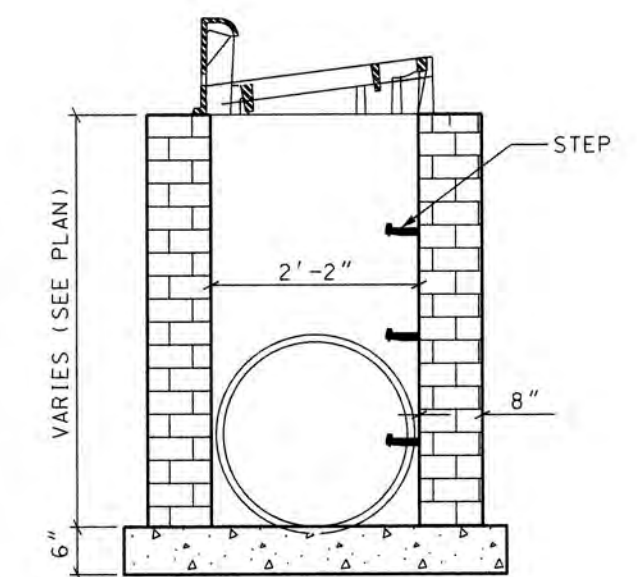


PLAN VIEW

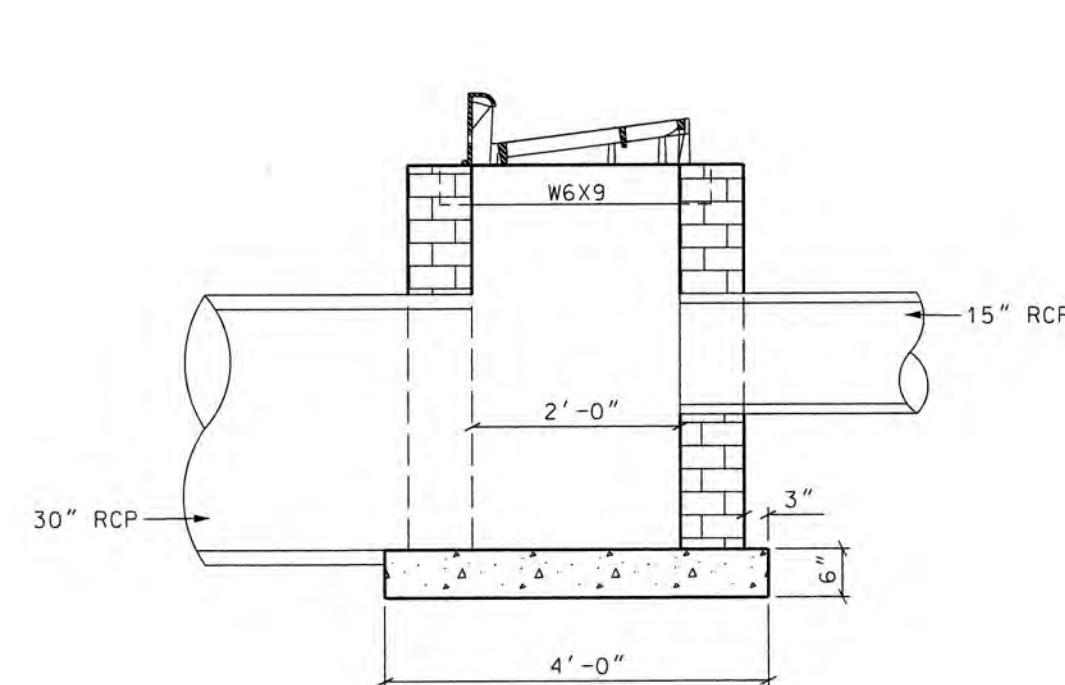
STANDARD CATCH BASIN DETAIL

SCALE: 1/2"=1'-0"

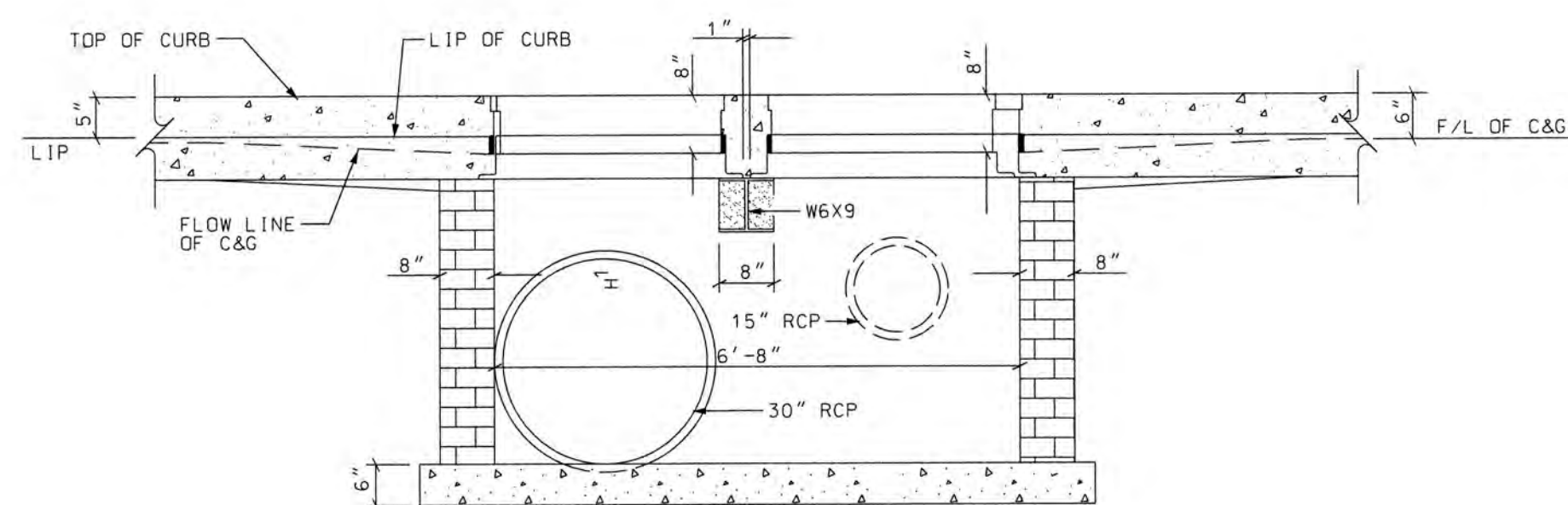
3
C4



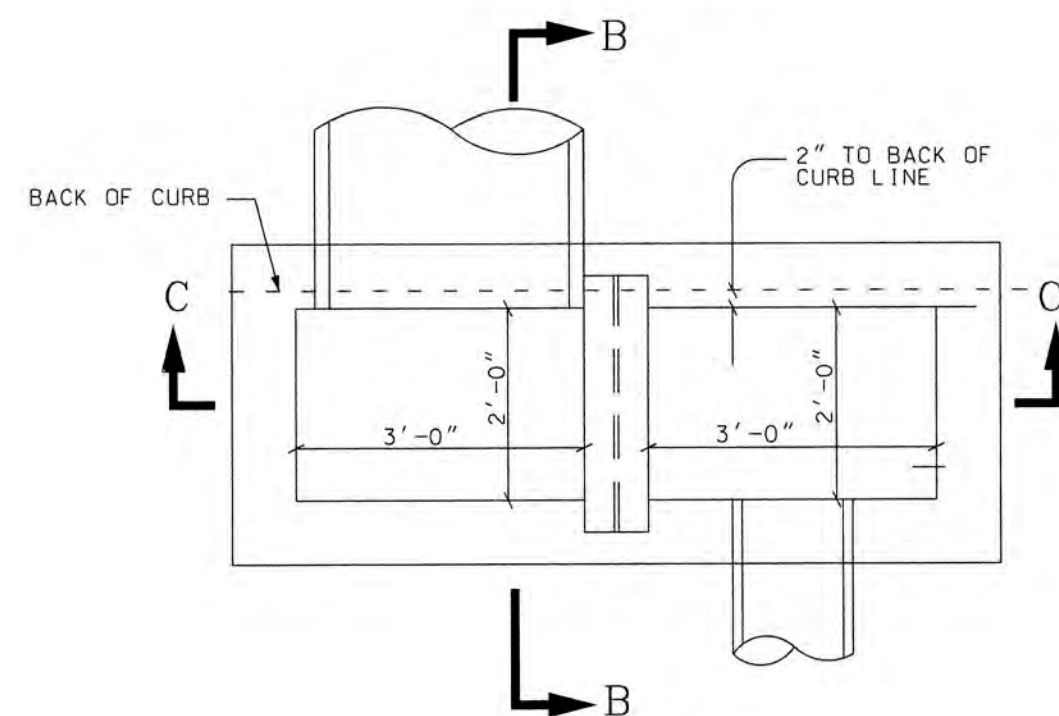
SECTION A-A



SECTION B-B



SECTION C-C

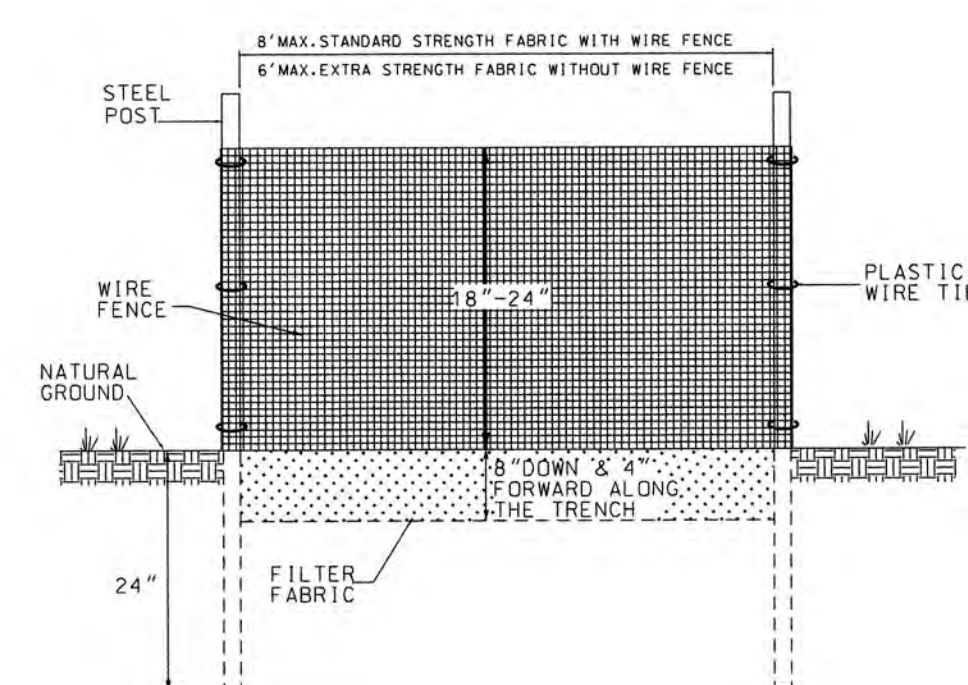


PLAN VIEW

DOUBLE CATCH BASIN
DETAIL - CB#11

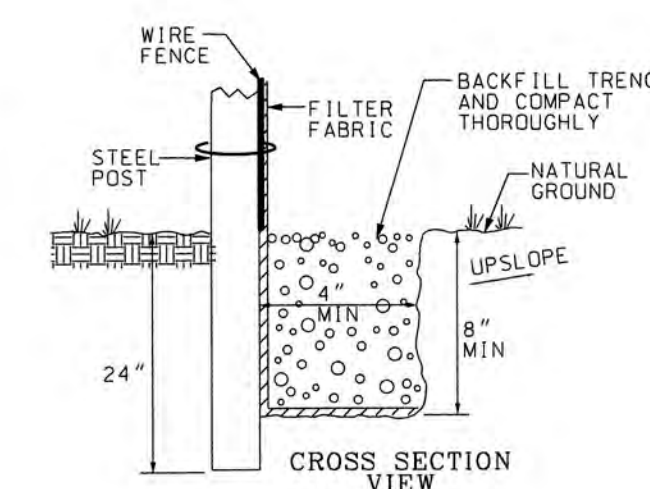
SCALE: 1/2"=1'-0"

4
C4



INSTALLATION NOTES:

1. THE BASE OF BOTH END POSTS SHOULD BE AT LEAST ONE FOOT HIGHER THAN THE MIDDLE OF THE FENCE. CHECK WITH A LEVEL IF NECESSARY.
2. INSTALL POSTS 4 FEET APART IN CRITICAL AREAS AND 6 FEET APART ON STANDARD APPLICATIONS.
3. INSTALL POSTS 2 FEET DEEP ON THE DOWNSTREAM SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC, ENABLING POSTS TO SUPPORT THE FABRIC FROM UPSTREAM WATER PRESSURE.
4. INSTALL POSTS WITH THE NIPPLES FACING AWAY FROM THE SILT FABRIC.
5. ATTACH THE FABRIC TO EACH POST WITH THREE TIES, ALL SPACED WITHIN THE TOP 8 INCHES OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45 DEGREES THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1 INCH VERTICALLY APART. ALSO, EACH TIE SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.
6. WRAP APPROXIMATELY 6 INCHES OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
7. NO MORE THAN 24 INCHES OF A 36 INCH FABRIC IS ALLOWED ABOVE GROUND LEVEL.
8. THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEVIATIONS BEFORE COMPACTION.
9. COMPACTION IS VITALLY IMPORTANT FOR EFFECTIVE RESULTS. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 POUNDS PER SQUARE INCH. COMPACT THE UPSTREAM SIDE FIRST, AND THEN EACH SIDE TWICE FOR A TOTAL OF 4 TRIPS.

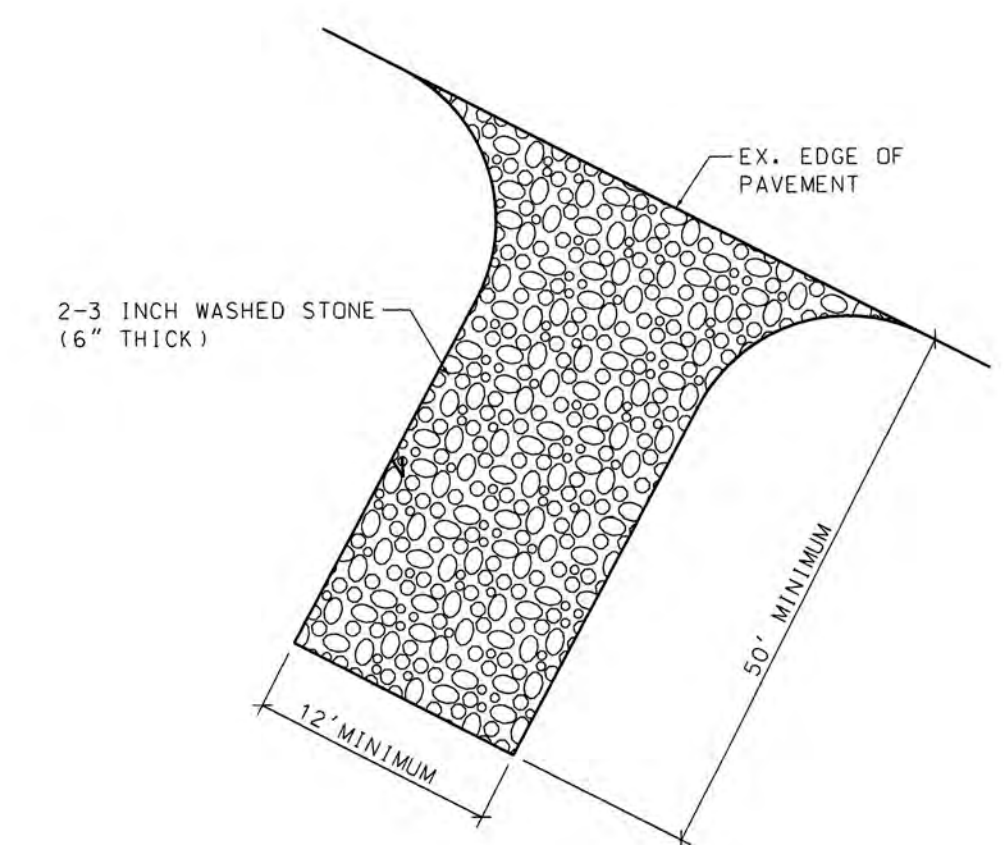


CROSS SECTION VIEW

TYPICAL SILT FENCE DETAIL

SCALE: NTS

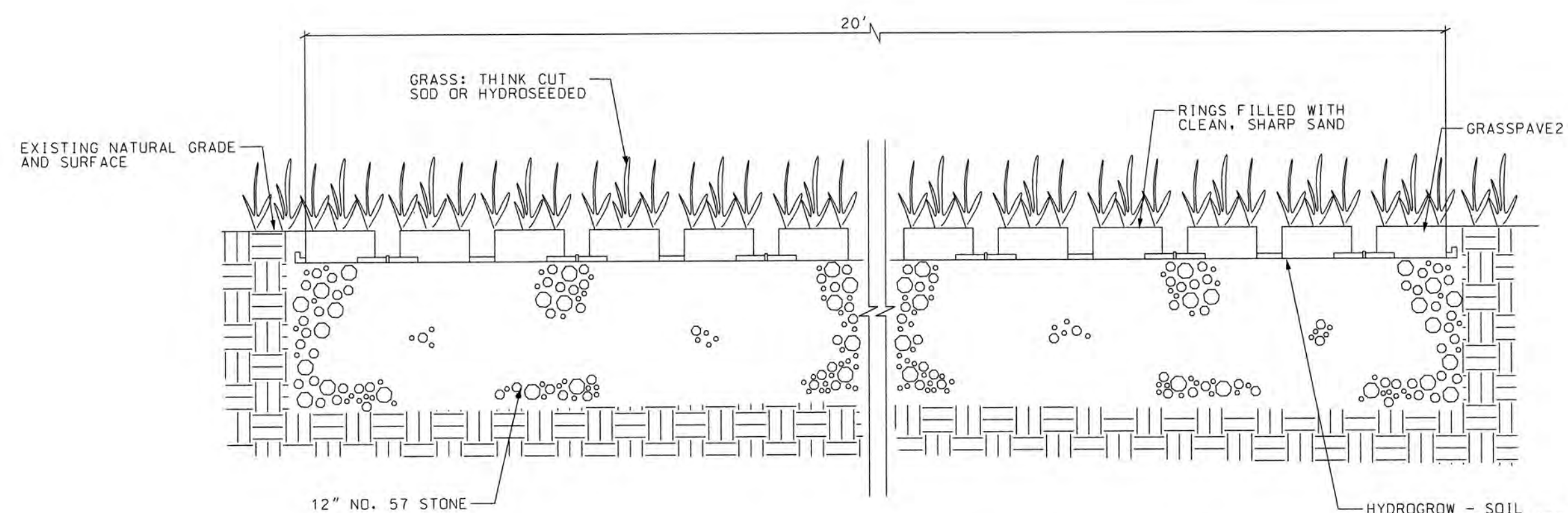
5
C4



TYPICAL STONE
CONSTRUCTION ENTRANCE

SCALE: NTS

6
C4



GRASS PAVER DETAIL

SCALE: NTS

7
C4

PROJECT NO.: PM3039-001

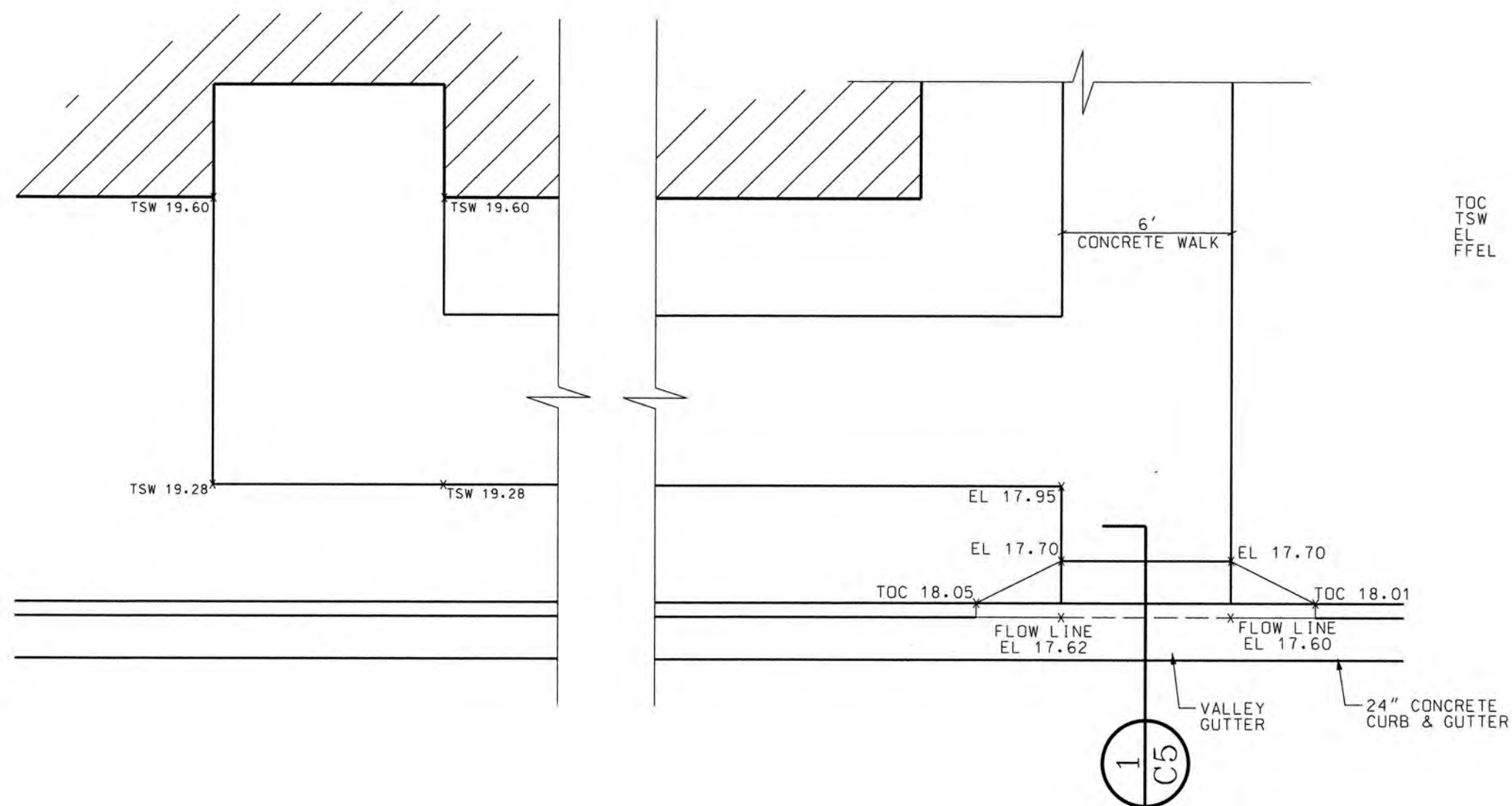
DRAWING NO.: 003



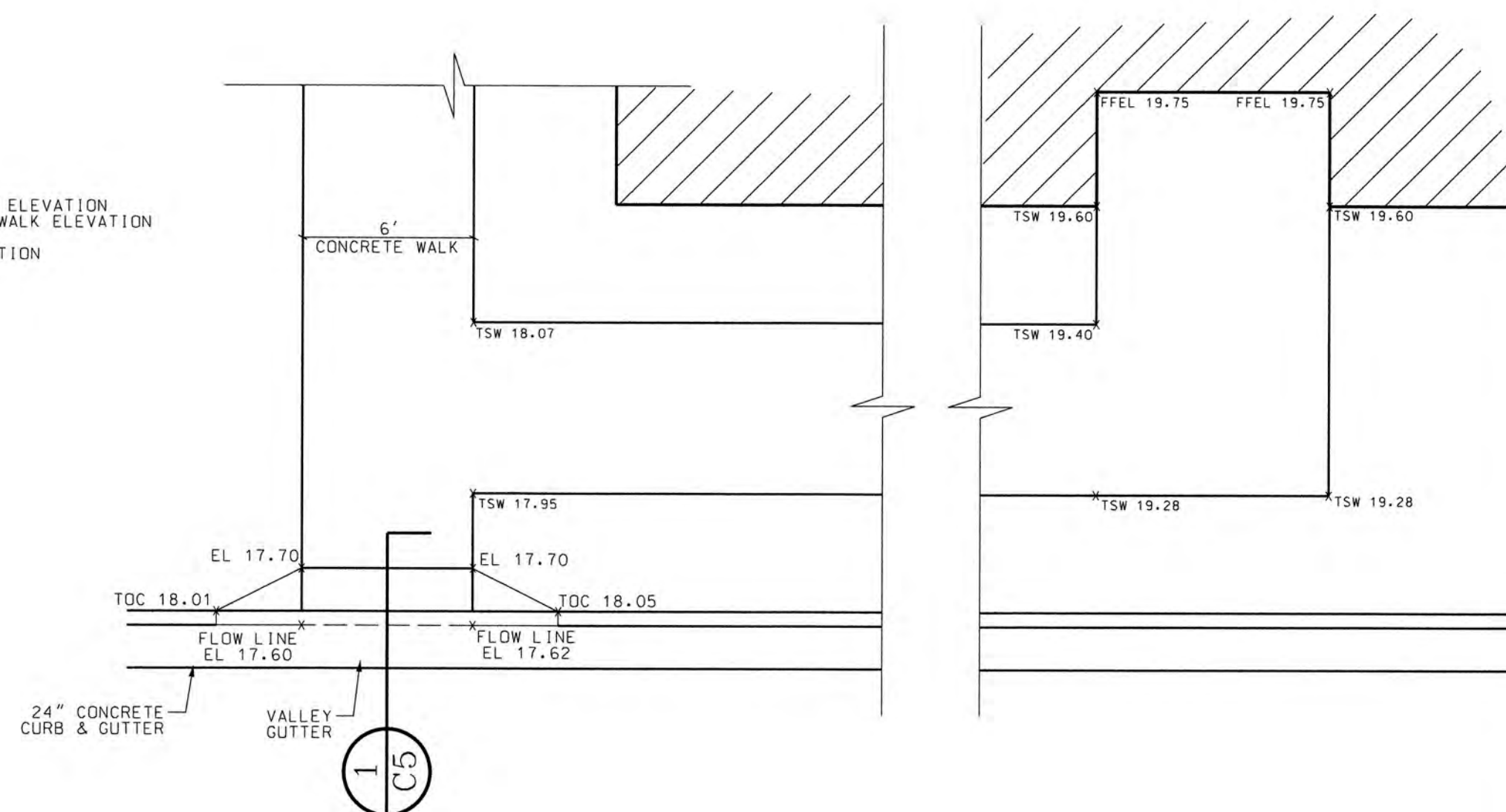
Linwood E. Stroud, P.E.
6/28/22

REVISIONS			
BY	NO.	DATE	DESCRIPTION
LHJ	1	4/08/22	REVISIONS
LHJ	2	6/2/22	PARKING REV
LHJ	3	6/28/22	REVISIONS

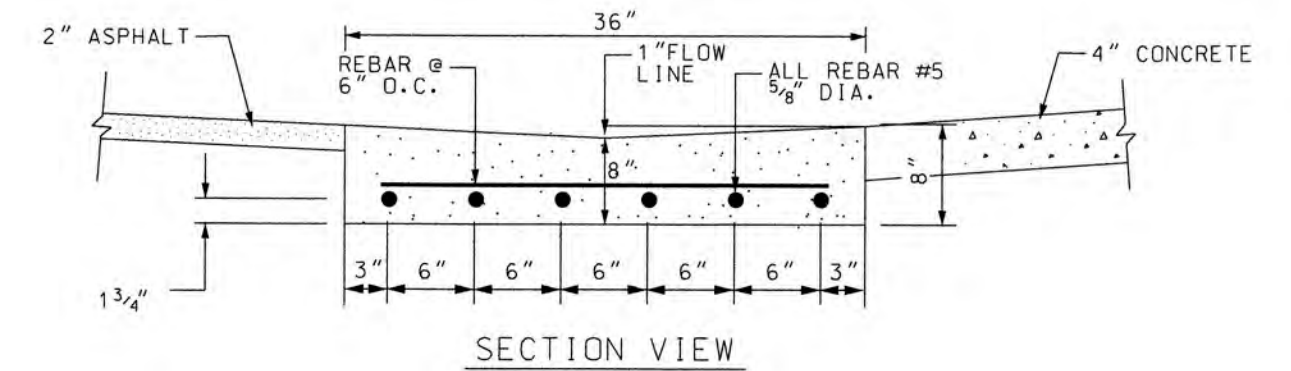
DRAINAGE DETAILS			
THE EMBASSY OF MOREHEAD CITY			
REFERENCE: DB 1151 PG 49; MAP BOOK 31 PG 836			
MOREHEAD CITY, CARTERET COUNTY, NORTH CAROLINA			
OWNER:	BEST VENTURES, LLC		
ADDRESS:	P.O. BOX 1198 MOREHEAD CITY, NC 28557		
PHONE:	919-920-2480		
DESIGNED:	LES	DATE:	9/14/21
	LHJ	SCALE:	AS SHOWN
APPROVED:	LES	SHEET C4	OF 8



WALKWAY DETAIL #1
SCALE: 1"=5'

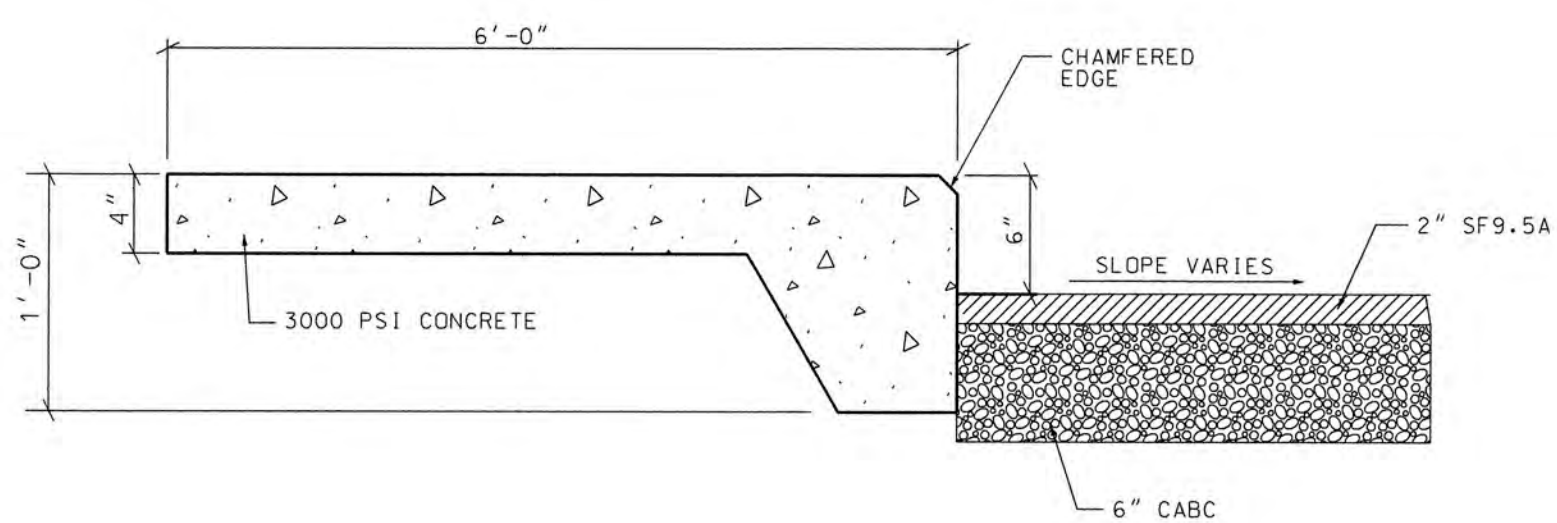


WALKWAY DETAIL #2
SCALE: 1"=5'

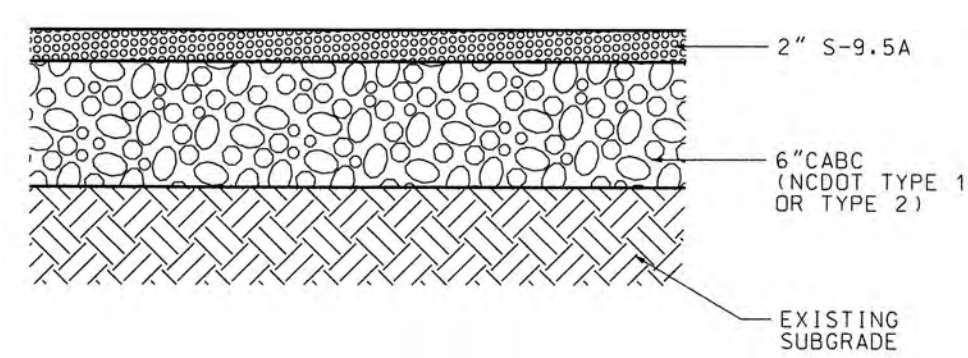


- GENERAL NOTES:
1. A CONTRACTION JOINTS SHALL BE SPACED @ 10' INTERVALS.
 2. CONTRACTION JOINTS MAY BE INSTALLED WITH THE USE OF TEMPLATES OR FORMED BY OTHER METHODS. WHERE CONTRACTION JOINTS ARE NOT FORMED BY TEMPLATES, A MIN. DEPTH OF 1 1/2" IS REQUIRED.
 3. EXPANSION JOINTS ARE REQUIRED AT 90' INTERVALS AND AT BOTH ENDS OF THE RADIUS TERMINATING THE VALLEY GUTTER. EXPANSION JOINTS REQUIRED WITHIN THE VALLEY GUTTER SHALL BE EVENLY SPACED ALONG THE LENGTH OF THE VALLEY GUTTER.
 4. ALL CONCRETE SHALL BE 3000 PSI.
 5. REBAR IS REQUIRED FOR ALL VALLEY GUTTER EXCEEDING 44' IN LENGTH (L-44').
 6. APPROVAL FOR USE OF VALLEY GUTTER AT STREET INTERSECTIONS IS AT THE DISCRETION OF THE CITY ENGINEER.

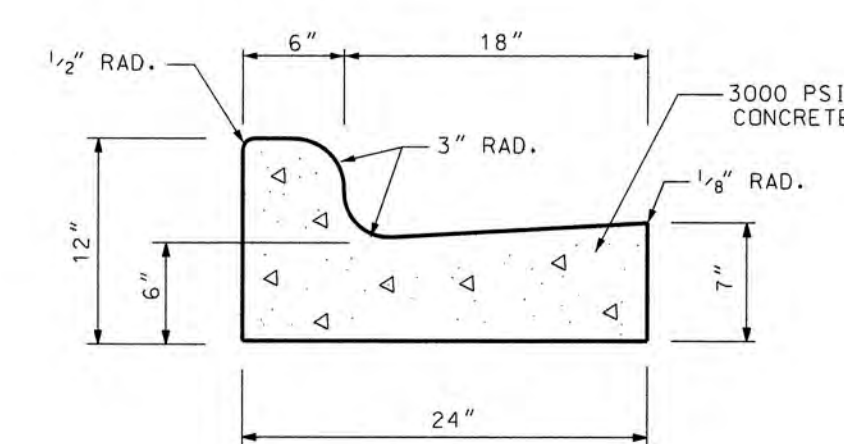
STANDARD 36" VALLEY GUTTER
W/ REINFORCEMENT
SCALE: NTS



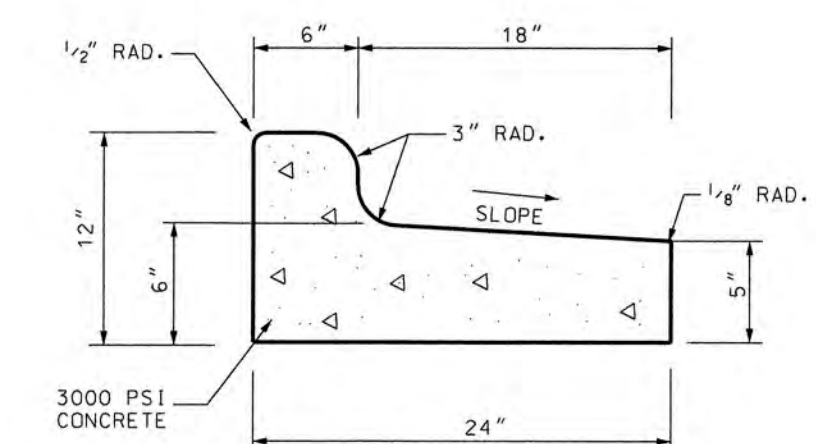
TYPICAL SIDEWALK SECTION
SCALE: NTS



ASPHALT PAVING SECTION
SCALE: NTS



STANDARD CURB &
GUTTER (24")
SCALE: NTS



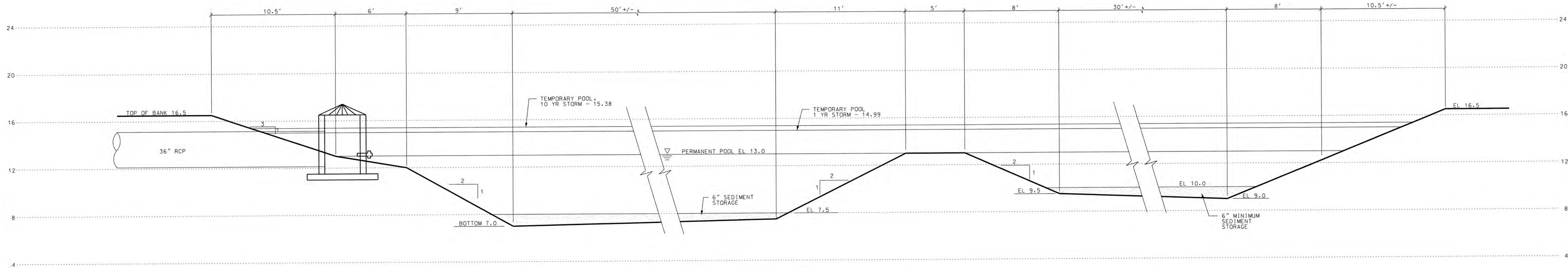
SPILL CURB &
GUTTER (24")
SCALE: NTS

REVISIONS			
BY	NO.	DATE	DESCRIPTION
DM	1	4/20/22	ADD SPILL
LHU	2	6/2/22	PARKING REV
LHU	3	6/28/22	REVISIONS



Linwood E. Stroud
6/28/22
LINWOOD E. STROUD, P.E.

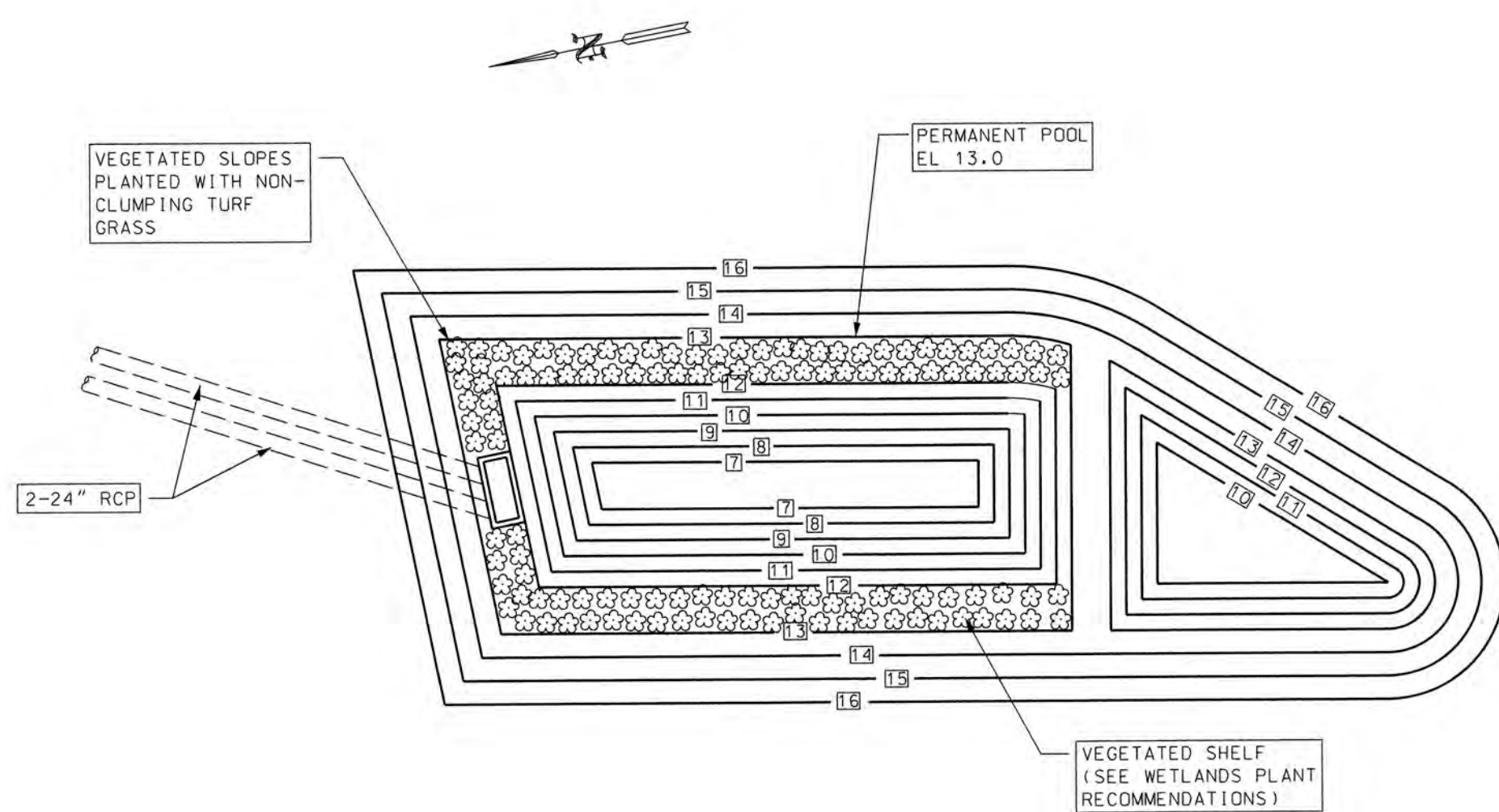
SITE WORK DETAILS				
THE EMBASSY OF MOREHEAD CITY				
REFERENCE: DB 1151 PG 49; MAP BOOK 31 PG 836				
MOREHEAD CITY, CARTERET COUNTY, NORTH CAROLINA				
OWNER:	BEST VENTURES, LLC			
ADDRESS:	P.O. BOX 1198 MOREHEAD CITY, NC 28557			
PHONE:	919-920-2480			
STROUD ENGINEERING, P.A. 107-B COMMERCE STREET GREENVILLE, NORTH CAROLINA 27658 (252) 756-9352 LICENSE NO. C-2647	DESIGNED:	LES	DATE:	4/08/22
	DRAWN:	LHU	SCALE:	AS SHOWN
	APPROVED:	LES	SHEET	C5 OF 8



WET POND #1 PROFILE

SCALE: V: 1"=4'

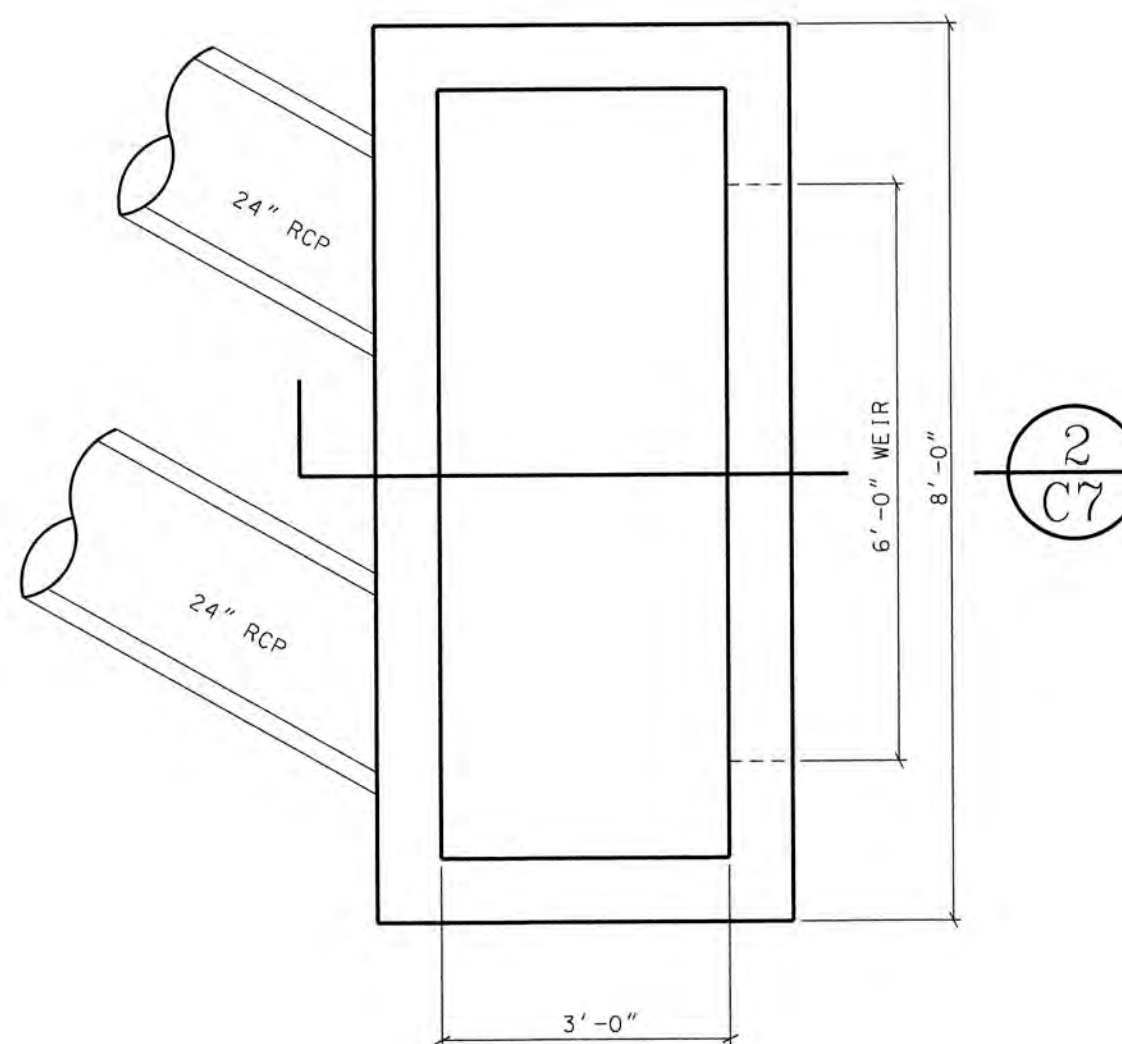
1
C7



WET POND VEGETATION PLAN

SCALE: 1"=20'

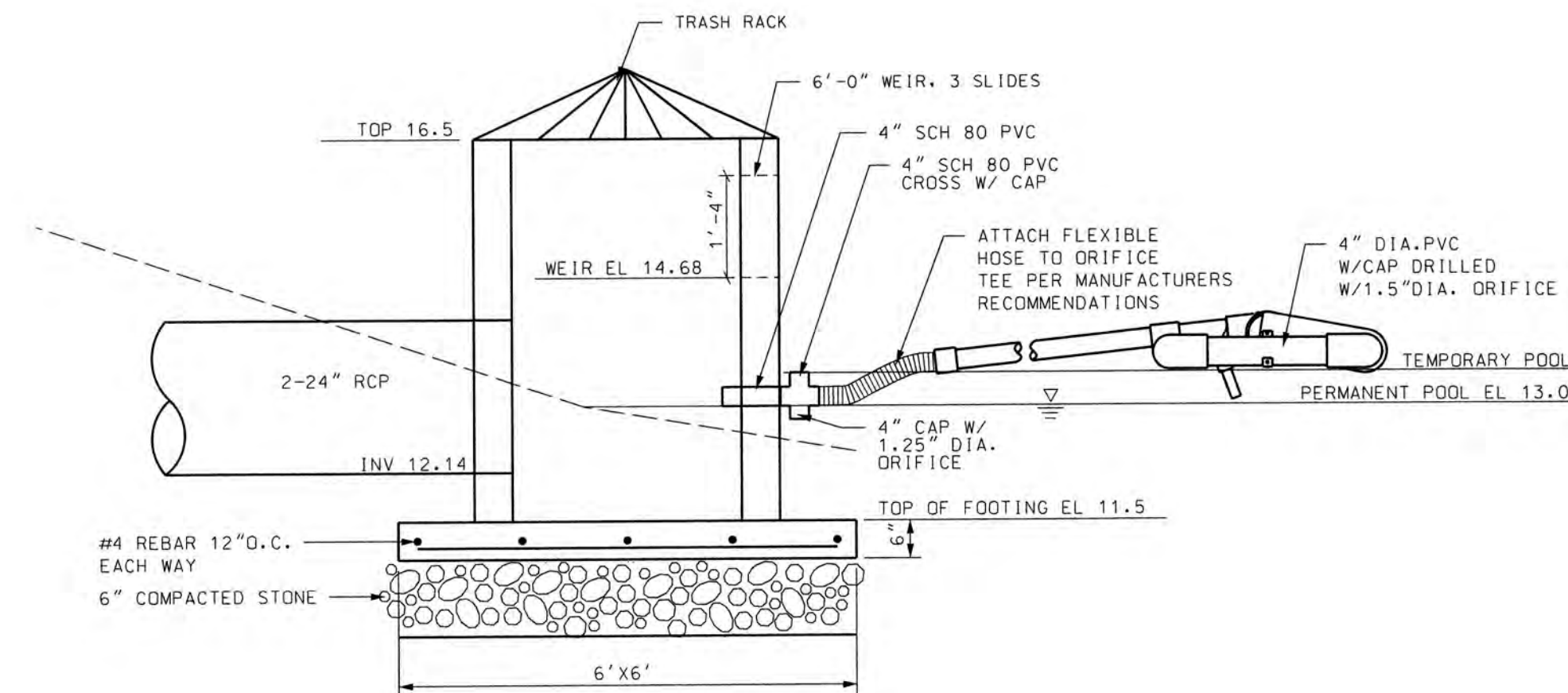
A
C7



PLAN VIEW
PRECAST CONCRETE OUTLET STRUCTURE

SCALE: 1/2"=1'-0"

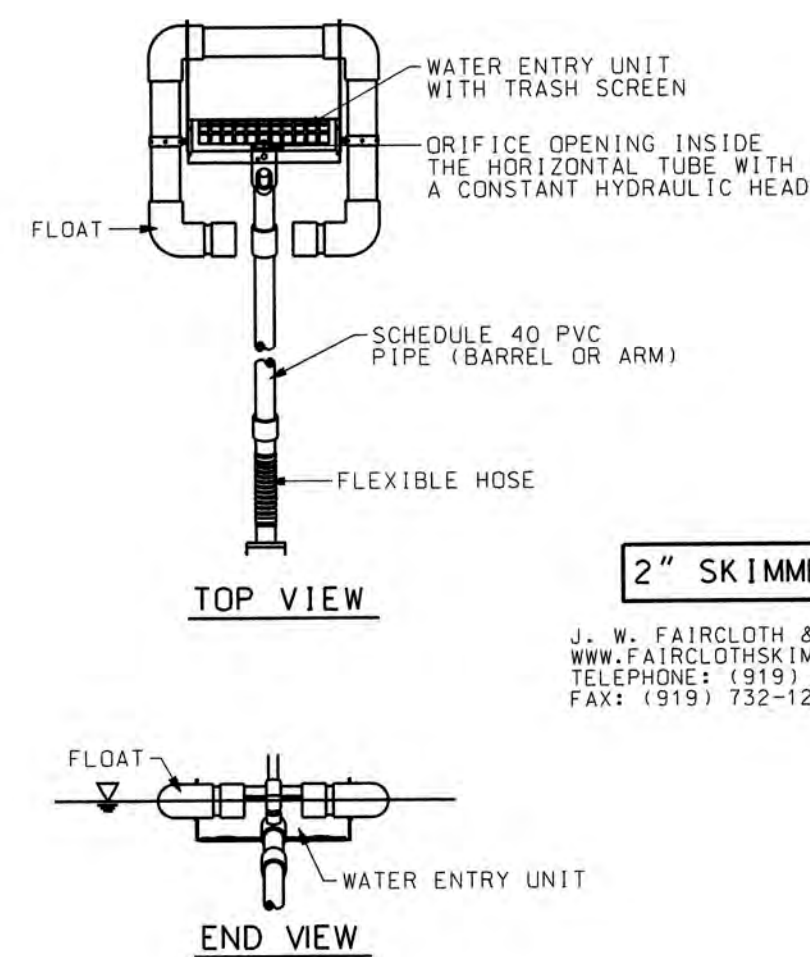
B
C7



OUTLET STRUCTURE

SCALE: 1/2"=1'-0"

2
C7



FAIRCLOTH SKIMMER

SCALE: NTS

3
C7

WET DETENTION POND #1 DESIGN DATA

DRAINAGE AREA = 106,713 SF

IMPERVIOUS AREA
ASPHALT/PARKING/DRIVE = 22,943 SF
RCP = 35,085 SF
SIDEWALKS/CONCRETE = 5,791 SF
FUTURE = 1,000 SF
TOTAL AREA = 64,819 SF

POND DESIGN SUMMARY

PERMANENT POOL ELEVATION = 13.0 FT
PERMANENT POOL SURFACE AREA REQ'D = 3,009 SF
PERMANENT POOL SURFACE AREA = 3,125 SF
STORAGE POOL ELEVATION = 14.68 FT
REQ'D STORAGE VOLUME = 7,950 CF
PROPOSED STORAGE VOLUME = 8,396 CF

FOREBAY DEPTH = 3.0 FT
FOREBAY VOLUME = 1,820 CF
MAIN BASIN DEPTH = 6.0 FT
MAIN BASIN VOLUME = 9,510 CF
AVERAGE DEPTH = 5.0 FT

THE FOLLOWING CRITERIA APPLY TO VEGETATION IN AND AROUND THE WET POND:

- (a) THE DAM STRUCTURE, INCLUDING FRONT AND BACK EMBANKMENT SLOPES OF THE POND SHALL BE VEGETATED WITH NON-CLUMPING TURF GRASS; TREES AND WOODY SHRUBS SHALL NOT BE ALLOWED.
- (b) THE VEGETATED SHELF SHALL BE PLANTED WITH A MINIMUM OF THREE DIVERSE SPECIES OF HERBACEOUS, NATIVE VEGETATION AT A MINIMUM DENSITY OF 50 PLANTS PER 200 SQUARE FEET OF SHELF AREA.

WETLAND PLANT RECOMMENDATIONS

PLANTS FOR SUBMERGED AND PARTIALLY SUBMERGED VEGETATED SHELVES

BOTANICAL NAME	COMMON NAME
ASCLEPIAS INCARNATA	SWAMP MILKWEED
CAREX TENERA	QUILL SEDGE
CHELONE GLABRA	WHITE TURTLEHEAD
EUPATORIUM ADLPHUS DUBIUS	DWARF JOE PYE WEED
EUPATORIUM ADLPHUS FISTULOSUS	JOE PYE WEED
EUPATORIUM ADLPHUS MACULATUS	SPOTTED TRUMPETWEED
HIBISCUS COCCINEUS	SCARLET ROSE MALLOW
HIBISCUS LAEVIS	HALBERDLEAF ROSE MALLOW
KOSTELETZKYA VIRGINICA	SEASHORE MALLOW
LOBELIA CARDINALIS	CARDINAL FLOWER
LOBELIA ELONGATA	LONGLEAF LOBELIA
LOBELIA SIPHILITICA	GREAT BLUE LOBELIA
RHYNCHOSPORA COLORATA	STARRUSH WHITE TOP
SACCHARUM BALDWINII	NARROW PLUME GRASS

VEGETATION SCHEDULE			
WETLAND AREA	SQ FT IN WETLAND AREA	PLANT CATEGORY	* PLANTS OF CATEGORY IN WETLAND AREA
WETLANDS PLANTS	2840	HERBACEOUS PLANTS	446

PLANT REQUIREMENTS:

- SELECT PLANTS FROM THE WETLAND PLANT LIST ABOVE.
- A MINIMUM OF THREE (3) DIVERSE SPECIES OF HERBACEOUS, NATIVE VEGETATION.
- A MINIMUM TWO-YEAR WARRANTY PERIOD STIPULATING REQUIREMENTS FOR PLANT SURVIVAL/REPLACEMENT, AT THE END OF THE FIRST YEAR AND AGAIN AT THE END OF THE TWO-YEAR WARRANTY PERIOD, ALL PLANTS THAT DO NOT SURVIVE MUST BE REPLACED.
- THE DESIGN FOR PLANTINGS SHALL MINIMIZE THE NEED FOR HERBICIDES, FERTILIZERS, PESTICIDES, OR SOIL AMENDMENTS AT ANY TIME BEFORE, DURING AND AFTER CONSTRUCTION AND ON A LONG TERM BASIS. PLANTINGS SHALL BE DESIGNED TO MINIMIZE THE NEED FOR MOWING, PRUNING AND IRRIGATION.
- PLANT MATERIAL SHOULD BE PURCHASED FROM A SIMILAR PROVENANCE OR LOCAL SOURCE TO ENSURE SURVIVABILITY.

GENERAL NOTES:

- TOPSOIL FROM THE SITE WILL BE SPREAD ACROSS THE VEGETATED SHELF PRIOR TO PLACEMENT OF PLANTS.
- WET DETENTION BASINS SHOULD INCORPORATE SEVERAL (MINIMUM OF THREE (3) DIVERSE SPECIES OF SHALLOW WATER EMERGENT AND SHALLOW LAND HERBACEOUS VEGETATION ON THE VEGETATED SHELF.
- SPACING SHOULD BE APPROXIMATELY 24"-36" CENTERS, YIELDING COVERAGE IN APPROXIMATELY 1-2 YEARS, RESPECTIVELY.
- TURF GRASS SHOULD BE MAINTAINED ON THE TOPS OF BERMS AND ON THE EXTERIOR SLOPES OF CONTAINMENT BERMS.

SOIL SPECIFICATIONS

SOILS USED WITHIN A STORMWATER BMP MUST ADHERE TO THE FOLLOWING REQUIREMENTS:

- THE SOIL MIX MUST BE UNIFORM AND FREE OF STONES, STUMPS, ROOTS, OR OTHER SIMILAR MATERIAL GREATER THAN 2 INCHES.
- SOIL TEXTURE OF THE MIX USED FOR STORMWATER WETLANDS SHOULD BE LOAMY SAND, WITH NO MORE THAN 10% CLAY (USDA SOIL TEXTURAL CLASSIFICATION).
- A MINIMUM ORGANIC CONTENT OF 10% BY DRY WEIGHT FOR AREAS PLANTED WITH WOODY SPECIES AND 5% FOR TURF AREAS.
- THE PH SHOULD BE BETWEEN 5.5 AND 7.0. IF THE PH FALLS OUTSIDE OF THIS RANGE, IT MAY BE MODIFIED WITH LIME TO INCREASE THE PH OR IRON SULFATE AND SULFUR TO LOWER THE PH. THE LIME OR IRON SULFATE MUST BE MIXED UNIFORMLY INTO THE SOIL PRIOR TO USE.
- TOPSOIL STOCKPILE LOCATION (IF USING ON-SITE SOILS) OR SOURCE OF TOPSOIL IF IMPORTED TO THE SITE. SOIL ANALYSIS FOR ALL TOPSOIL TO BE USED WITHIN A BMP FACILITY.

PLANTING SPECIFICATIONS:

- FOR EROSION CONTROL, PLANTING AND BANK STABILIZATION (UPLAND AREA) FOLLOW EROSION CONTROL SEEDING SCHEDULE.
- UTILIZE A 90-DAY SLOW RELEASE FERTILIZER TABLET FOR PLANTS.
- PLACE 3 OR 4 INCHES OF QUALITY TOPSOIL TO THE SHALLOW LAND AND SHALLOW WATER REGIONS. THE PROJECT CAN UTILIZE THE EXISTING TOPSOIL BY STOCK PILING ON SITE AND AMENDING SOIL AS NECESSARY BASED ON SOIL ANALYSIS RESULTS.
- THE DETENTION POND MUST BE STABILIZED WITHIN 14 DAYS OF CONSTRUCTION. CONSIDER CONSTRUCTION SEQUENCING SO THAT PLANTS CAN BE PLANTED AND THE POND CAN BE BROUGHT ONLINE WITHIN 14 DAYS.

PLANTING SEASONS:

HERBACEOUS PLANTS APRIL TO JUNE (RECOMMENDED)
MID-SEPTEMBER TO MID-OCTOBER
GRASSES YEAR ROUND

PLANTING OUT OF SEASON IS NOT RECOMMENDED. IF CONSTRUCTION SCHEDULE AND PLANTING SCHEDULE DO NOT CORRESPOND, STABILIZE BANKS (VEGETATED SHELF) WITH APPROPRIATE TEMPORARY COVER CROP AND EROSION CONTROL MATTING UNTIL APPROPRIATE PLANTING SEASON.

PLANTS SHOULD BE INSTALLED AS LARGE DRIFTS (I.E. MASSES OF A SINGLE SPECIES) WITHIN THEIR RESPECTIVE PLANTING AREA, OVERLAPPING OR WEAVING OF THE PLANTING AREA EDGES IS RECOMMENDED.

ALL PLANTS SHALL BE DIRECTLY DESCENDED FROM INDIVIDUALS GROWING WILD WITHIN 100 MILES OF THE PROJECT SITE. IF SUITABLE STOCK CANNOT BE OBTAINED, PLANTS OF OTHER GENETIC PROVENANCE MAY BE UTILIZED WITH THE APPROVAL OF THE LOCAL REGULATORY AGENCY.

DO NOT PLANT CATTAILS. CATTAILS, ALTHOUGH A WETLAND PLANT, PROVIDE A HAVEN FOR MOSQUITOES AND WILL TAKE OVER AND CROWD OUT OTHER VITAL VEGETATION.

PROJECT NO.: PM3039-001

DRAWING NO.: 003



Linwood E. Stroud, P.E.
6/28/22

WET DETENTION POND #1 DETAILS

THE EMBASSY
OF MOREHEAD CITY

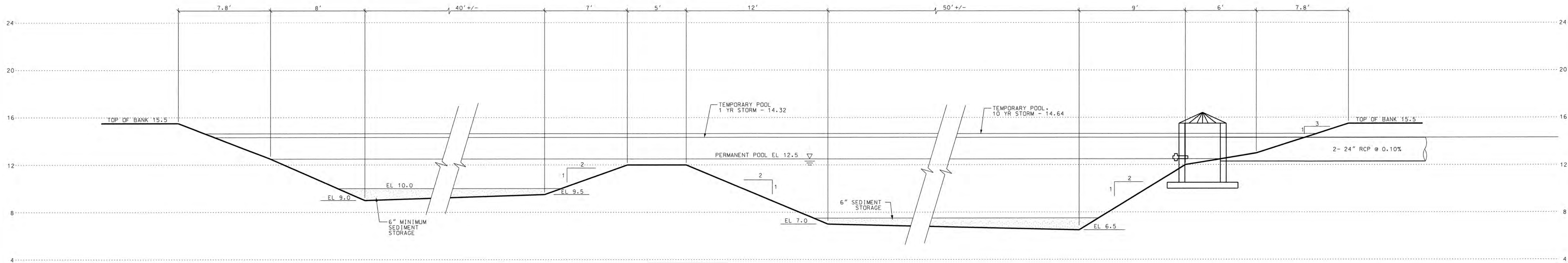
REFERENCE: DB 1151 PG 49; MAP BOOK 31 PG 836

MOREHEAD CITY, CARTERET COUNTY, NORTH CAROLINA

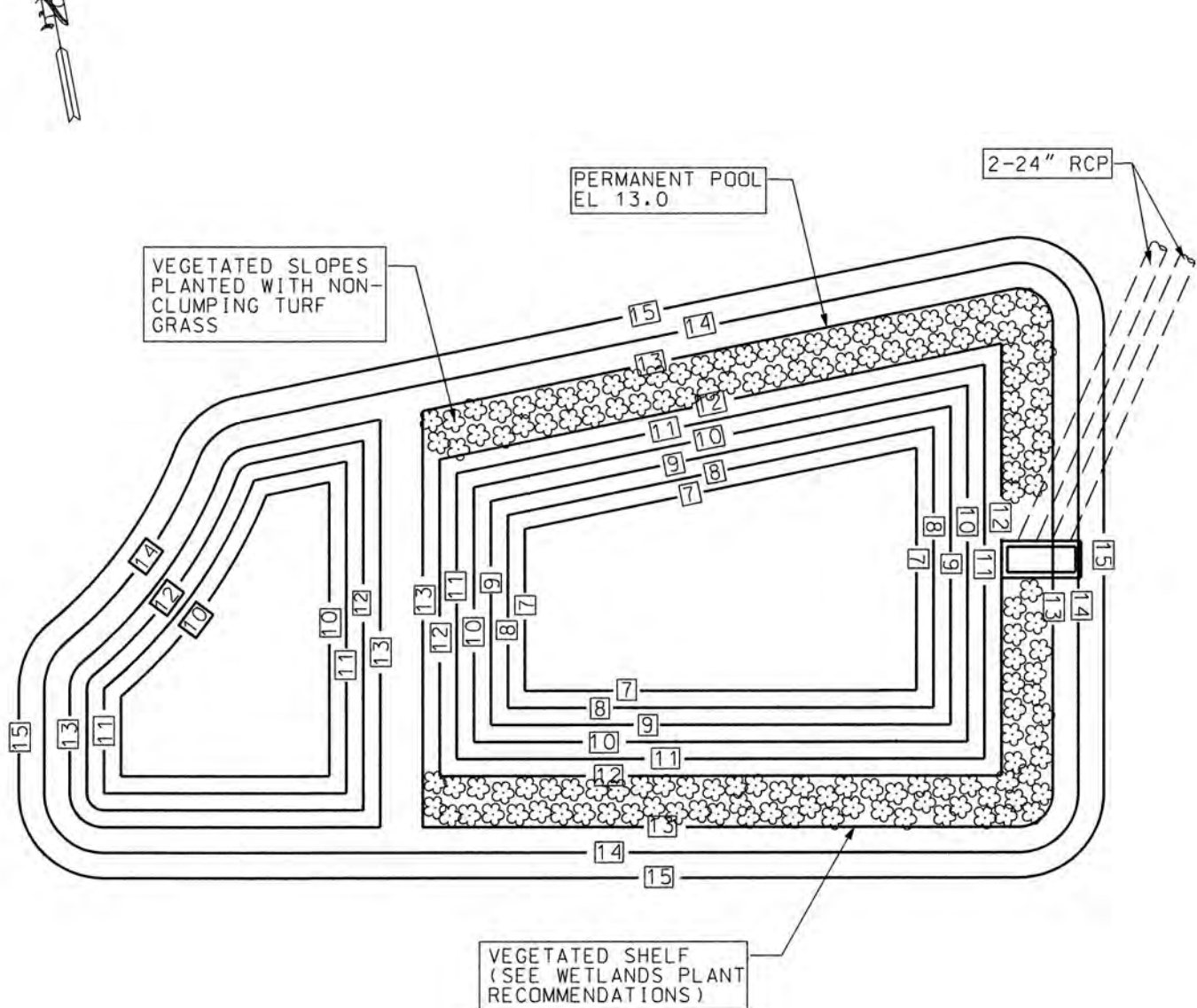
OWNER: BEST VENTURES, LLC
ADDRESS: P.O. BOX 1198
MOREHEAD CITY, NC 28557
PHONE: 919-920-2480

DESIGNED: LES DATE: 9/14/21
DRAWN: LHJ SCALE: AS SHOWN
APPROVED: LES SHEET C7 OF 8

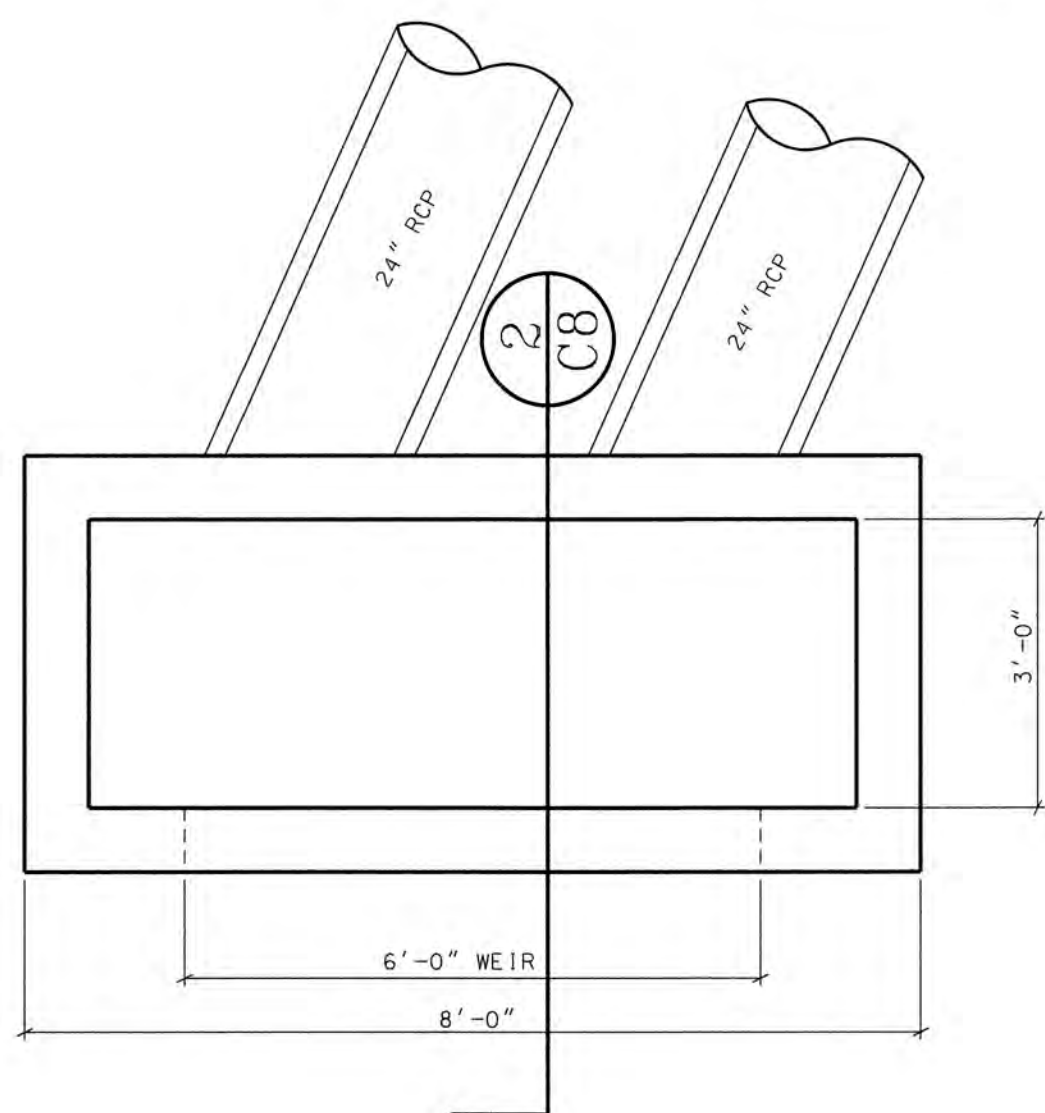
107-B COMMERCE STREET
GREENVILLE, NORTH CAROLINA 27858
(252) 754-9352
LICENSE NO. C-0647



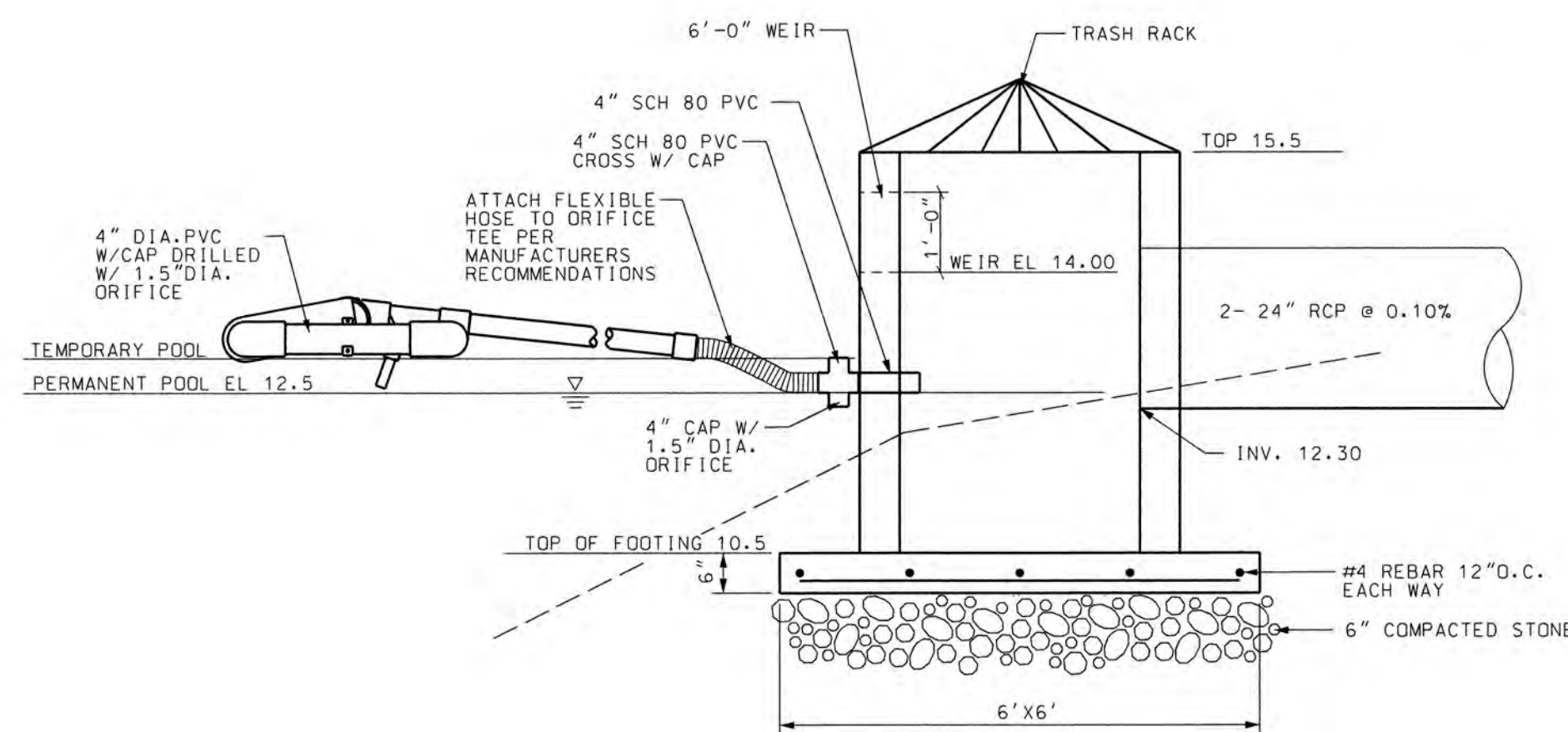
WET POND #2 PROFILE 1 C8
SCALE: V: 1"=4'



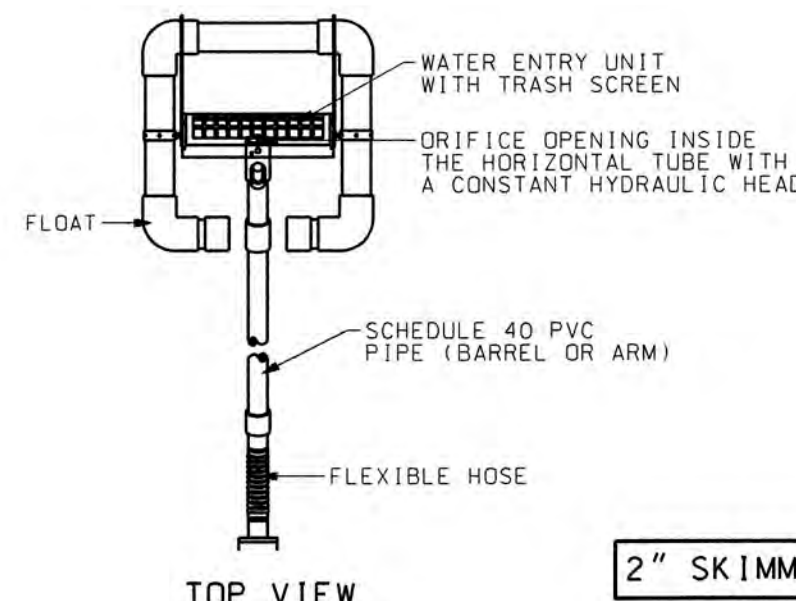
WET POND VEGETATION PLAN A C8
SCALE: 1"=20'



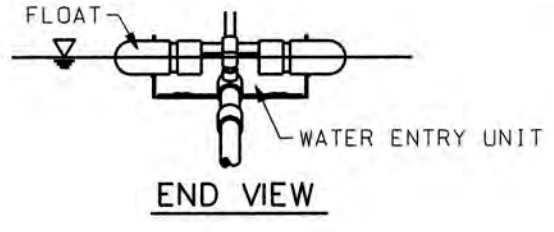
PLAN VIEW PRECAST CONCRETE OUTLET STRUCTURE B C8
SCALE: 1/2"=1'-0"



OUTLET STRUCTURE 2 C8
SCALE: 1/2"=1'-0"



2" SKIMMER



FAIRCLOTH SKIMMER 3 C8
SCALE: NTS

WET DETENTION POND #2 DESIGN DATA	
DRAINAGE AREA	= 100,080 SF
IMPERVIOUS AREA	
ASPHALT/PARKING/DRIVE	= 26,056 SF
ROOF	= 36,814 SF
SIDEWALKS/CONCRETE	= 5,328 SF
FUTURE	= 1,000 SF
TOTAL AREA	= 69,198 SF
POND DESIGN SUMMARY	
PERMANENT POOL ELEVATION	= 12.5 FT
PERMANENT POOL SURFACE AREA REQ'D	= 3,373 SF
PERMANENT POOL SURFACE AREA	= 3,512 SF
STORAGE POOL ELEVATION	= 14.00 FT
REQ'D STORAGE VOLUME	= 8,410 CF
PROPOSED STORAGE VOLUME	= 8,673 CF
FOREBAY DEPTH	= 3.0 FT
FOREBAY VOLUME	= 2,828 CF
MAIN BASIN DEPTH	= 5.5 FT
MAIN BASIN VOLUME	= 14,138 CF
AVERAGE DEPTH	= 4.78 FT

- THE FOLLOWING CRITERIA APPLY TO VEGETATION IN AND AROUND THE WET POND:
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SACCHARUM BALDWINII	NARROW PLUME GRASS

VEGETATION SCHEDULE			
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WETLANDS PLANTS	2040	HERBACEOUS PLANTS	446

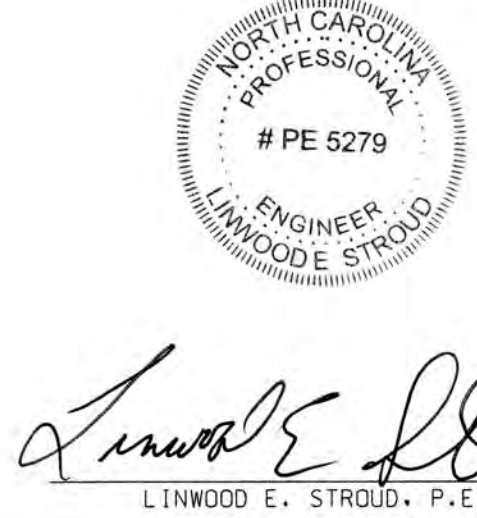
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MID-SEPTEMBER TO MID-OCTOBER
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REVISIONS			
BY	NO.	DATE	DESCRIPTION
LHJ	1	4/08/22	
LHJ	2	6/2/22	PARKING REV
LHJ	3	6/28/22	REVISIONS



WET DETENTION POND #2 DETAILS

THE EMBASSY OF MOREHEAD CITY

REFERENCE: DB 1151 PG 49; MAP BOOK 31 PG 836

MOREHEAD CITY, CARTERET COUNTY, NORTH CAROLINA

OWNER: BEST VENTURES, LLC

ADDRESS: P.O. BOX 1198
MOREHEAD CITY, NC 28557

PHONE: 919-920-2480

DESIGNED: LES DATE: 9/14/21

DRAWN: LHJ SCALE: AS SHOWN

APPROVED: LES SHEET C8 OF 8

107-B COMMERCE STREET
GREENVILLE, NORTH CAROLINA 27658
(252) 756-9552
LICENSE NO. C-0847