N00213.AR.000180
NAS KEY WEST
5090.3a

MAPS FOR TEMPORARY SEDIMENT CONTROL PLAN FOR MAN OF WAR HARBOR NAS KEY WEST FL
12/9/1996
DELON HAMPTON AND ASSOCIATES

NAS KEY WEST LANDFILL

MAN OF WAR HARBOR

MAN OF WAR HARBOR

N

20 lb. RIP-RAP

BM # 2

STA. 9+00

STA. 9+56

STA. 10+00

STA. 11+00

STA. 12+00

STA. 13+00

STA. 14+00

STA. 15+00

STA. 16+00

STA. 17+00

STA. 18+00

20 lb. RIP-RAP

178.45'

FLOATING TURBIDITY CURTAIN

RED MANGROVES
3 ROWS @ 3.0' O.C.
FIRST ROW @ EL. 0.0

END OF THE PROJECT AT STA. 18+00

HIGH POINT EL. 8.9

EDGE OF WOODED AREA

CURVE DATA
R=138.45'
L=160.20'
Δ=98.82°

PC STA. 7+47

STA. 8+00

STA. 7+00

EXIST. SURVEY LINE

SLOPE SWALE @ 0.5%
AWAY FROM HIGH POINT

EXIST. SURVEY LINE

STA. 6+00

PT STA. 5+68

STA. 5+00

CURVE DATA
R=1000
L=310.91
Δ=181.64°

EDGE OF WOODED AREA

STA. 4+00

STA. 3+00

PC STA. 2+52

STA. 2+00

PROPOSED CONSTRUCTION LINE

MEAN HIGH WATER LINE

STA. 1+00

EXIST. SURVEY LINE

FLOATING TURBIDITY CURTAIN

166.48'

T.P.BM # 1

STA.0+20

STA.0+00

2.80'

2.33'

90.00°

BEGINNING OF PROJECT AT STA. 0+00

6' CHAIN LINK FENCE

KEY WEST WASTEWATER TREATMENT PLANT

BM # 1
T.P.
STA.0+20
STA.0+00

2.80'

2.33'

90.00°

BALES

EDGE OF WOODED AREA

6W

℄ OF SWALE

3W

W=2'-0"

RIP-RAP DETAIL
NTS

NOTES :

BM # 1 WOODEN STAKE AT THE CORNER OF THE KEYWEST WASTEWATER TREATMENT PLANT FENCE LINE.ELEV. 3.9

BM # 2 WOODEN STAKE AT STA. 10+00 ELEV. 12.7

BM # 3 WOODEN STAKE AT STA. 15+00 ELEV. 7.2

LEGEND

- EDGE OF WOODED AREA
- × 5.7 EXISTING SPOT ELEVATION
- FLOATING TURBIDITY CURTAIN
- TOP OF BERM
- ARMORFLEX LIMITS
- RED MANGROVES

DHA
DELON HAMPTON & ASSOCIATES, CHARTERED
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DRAWN BY:	MS
CHECKED BY:	SM
IN CHARGE:	SM
DATE:	12/09/96

REVISIONS

DATE	DESCRIPTIONS	APPROVED

2/1/97

KEY WEST NAVAL STATION

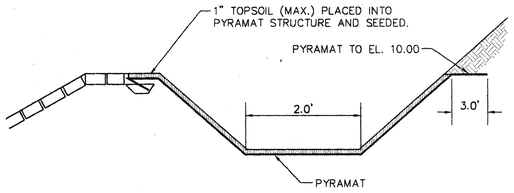
TEMPORARY SEDIMENT CONTROL PLAN

SCALE: H 1"=50' V

CONTRACT NO.:

SHEET 5 OF 5

DRAWING NO.: C-05

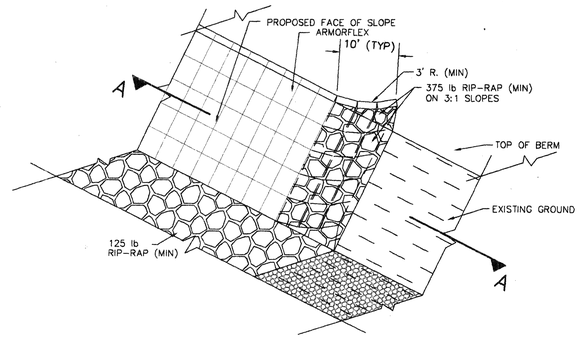


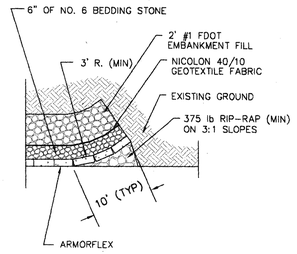
NOTES:

1. GRASS SEED TO BE SCATTERED UNIFORMLY AT A RATE OF 60 lb./Ac. BETWEEN MARCH 15 AND OCTOBER 15, SEED MIXTURE SHALL BE 30 lb. OF ARGENTINE BAHIA AND 30 lb. OF HULLED BERMUDA. THE REMAINDER OF THE YEAR THE MIXTURE SHALL BE 20 lb. EACH OF BAHIA, BERMUDA AND RYE GRASS SEED.
2. MULCH SHALL BE SPREAD AT A RATE OF 9 TONS PER ACRE
3. OVERLAP UPSTREAM PYRAMAT STRIP A MINIMUM OF 3 FEET ON TOP OF DOWNSTREAM PYRAMAT STRIP.

SWALE PROTECTION DETAIL

NTS

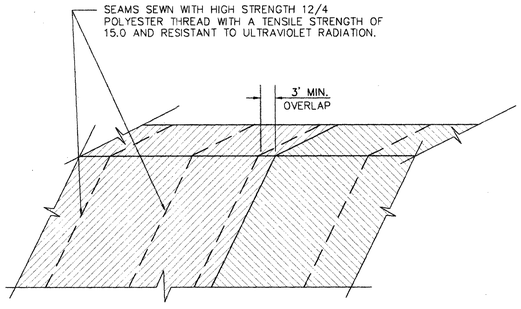




SECTION "A"

ENDROLL/SCOUR PROTECTION DETAIL

N.T.S.

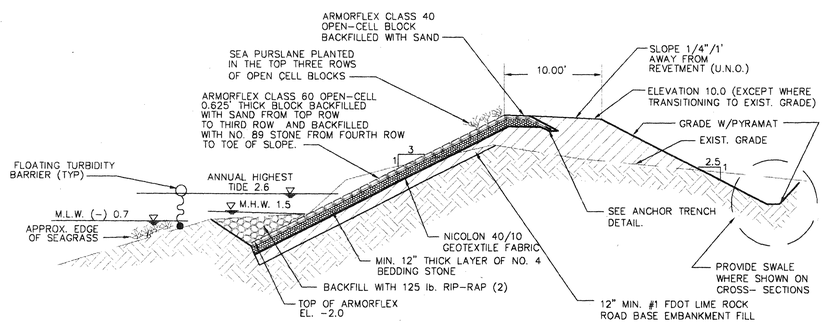


NOTES:

1. PLACE GEOTEXTILE TO AVOID EXCESSIVE STRETCHING.
2. MINIMIZE DISTURBANCE OF GEOTEXTILE AFTER PLACEMENT TO PREVENT LOSS OF INTIMATE CONTACT WITH BLOCK AND GEOTEXTILE OR GEOTEXTILE AND SUBGRADE.
3. DO NOT LEAVE GEOTEXTILE EXPOSED FOR MORE THAN 14 DAYS TO ULTRAVIOLET RADIATION.
4. AVOID WRINKLES OR FOLDS IN GEOTEXTILE.

FABRIC INSTALLATION / ARRANGEMENT DETAIL

NTS



NOTE :

1. ALL ELEVATIONS ARE BASED UPON NGVD.
2. STA. 15+00 TO STA. 18+00 BACKFILL WITH RIP RAP AND SAND. PLANT RED MANGROVES 3' O.C. 3 ROWS.
3. ALL DISTURBED AREAS NOT COVERED BY OTHER EROSION CONTROL FEATURES TO BE GRASSED
4. 95% STANDARD PROCTOR DENSITY TESTS (ASTM D698) SHALL BE COMPLETED ON ALL FILL MATERIAL.
5. EXCAVATION OF THE EXISTING BANK TO BE AT LEAST TO A DEPTH OF 2 FEET BELOW THE ELEVATION OF THE BOTTOM OF THE ARMORFLEX.
6. SUITABLE EXCAVATED MATERIAL TO BE USED FOR BERM CONSTRUCTION WITH APPROVAL OF BECHTEL CONSTRUCTION SUPERINTENDENT. OCEAN BREEZE SHALL PERFORM ALL NECESSARY TESTS TO DETERMINE SUITABILITY AND COMPACTION REQUIREMENTS. WHERE EXCAVATED MATERIAL IS USED, THE FOLLOWING SHALL APPLY:
   - THE FRONT FACE OF THE BERM REQUIRES A MINIMUM 12" LAYER OF NO. 4 BEDDING STONE OVERLAYING THE GEOTEXTILE FABRIC. THERE SHALL ALSO BE A MINIMUM 12" LAYER OF NO. 1 FDOT ROADBASE MATERIAL UNDER THE GEOTEXTILE.
   - ON THE TOP AND BACKSIDE OF THE BERM THERE SHALL BE A MINIMUM 12" LAYER OF NO. 1 FDOT ROADBASE MATERIAL UNDER THE GEOTEXTILE.
7. DURAVET POLYESTER CABLE SIZE = 3/8"
8. ACTUAL BLOCK SHAPE TO BE PER THE MANUFACTURER'S SPECIFICATIONS
9. ROCK RIP-RAP TO BE IN ACCORDANCE WITH FDOT SPECIFICATION # 530 "BANK & SLOPE" AND THE FOLLOWING:
   TOE RIP-RAP - D(50) = 125 lb.
   FLANK RIP-RAP - D(50) = 375 lb.
   SWALE RIP-RAP - D(50) = 20 lb.
10. TOE TRENCH EXCAVATION IS NOT TO IMPACT EXISTING SEA GRASS BEDS.
11. FLOATING TURBIDITY BARRIER TO BE STAKED AT THE LAND WARD LIMITS OF THE SEA GRASS OR TEN FEET WATERWARD OF THE TOE TRENCH EXCAVATION LIMIT.
12. GRADATION FOR ROCK MATERIAL ACCORDING TO FDOT SPECIFICATIONS SHALL CONFORM TO REQUIREMENTS IN SECTION 901, TABLE 1.

TYPICAL ARMORFLEX CROSS SECTION

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DRAWN BY:	NT
CHECKED BY:	SM
IN CHARGE:	SM
DATE:	12/09/96

REVISIONS

DATE	DESCRIPTIONS	APPROVED

KEY WEST NAVAL STATION

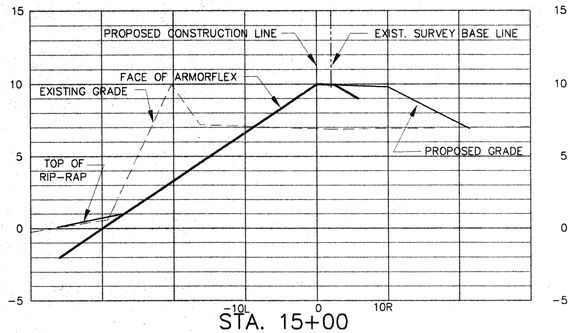
DETAILS

SCALE: H AS NOTED V

CONTRACT NO.:

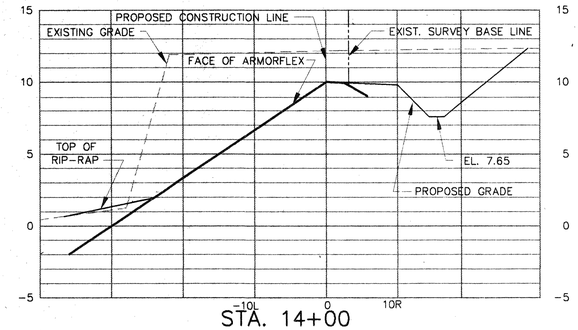
SHEET 4 OF 5

DRAWING NO.: C-04

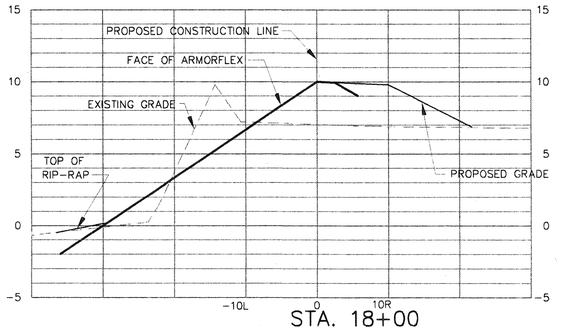


STA. 15+00

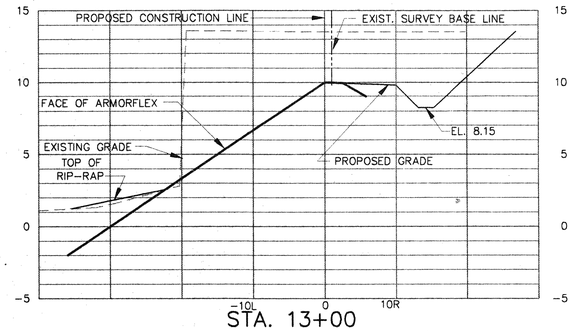
SCALE:
1"= 10'HORIZ
1"= 5'VERT



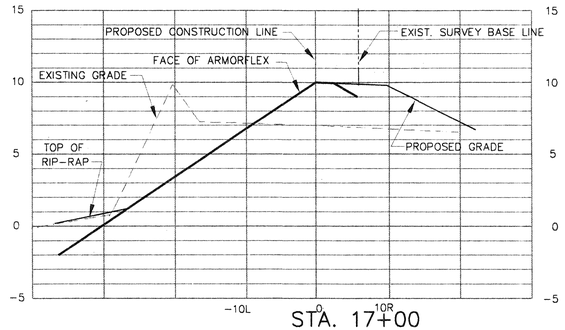
STA. 14+00



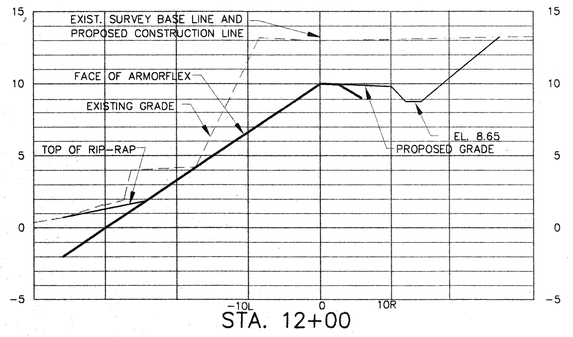
STA. 18+00



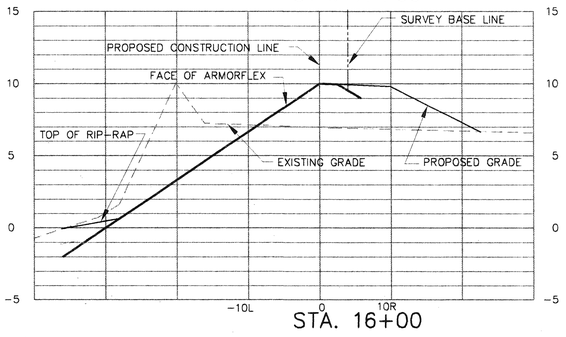
STA. 13+00



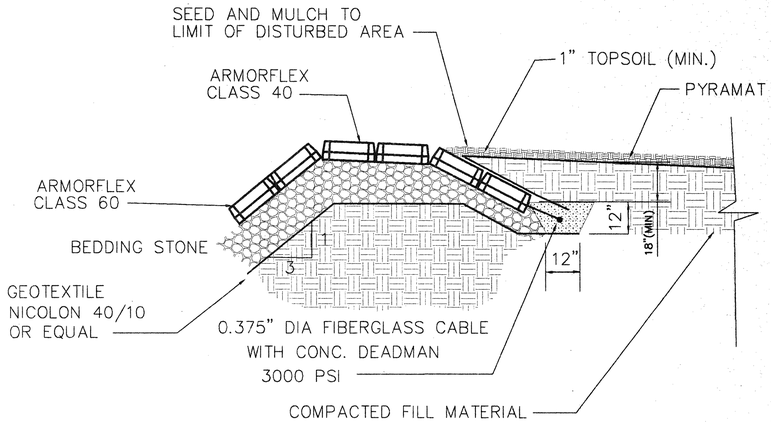
STA. 17+00



STA. 12+00

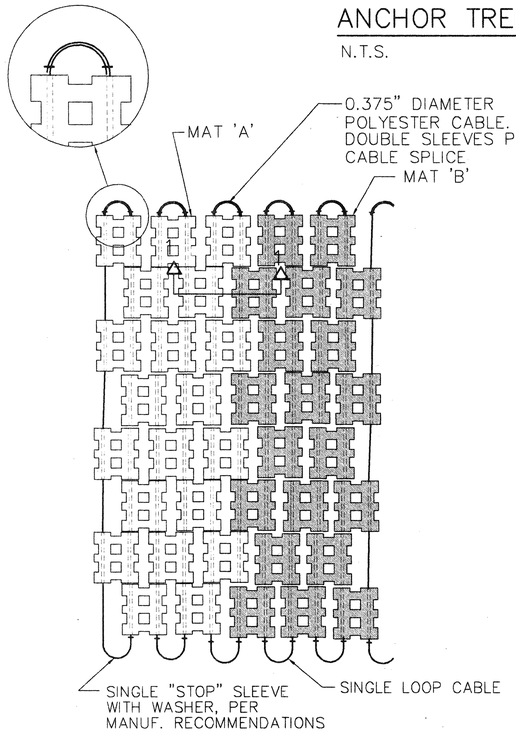


STA. 16+00

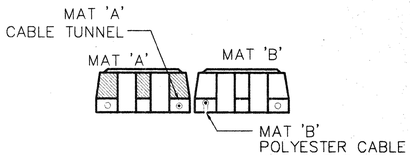


ANCHOR TRENCH DETAIL

N.T.S.



PLAN VIEW



SECTION 1

NOTES:

1. CABLE LENGTH EQUALS MAT LENGTH TIMES TWO PLUS EIGHT FEET.
2. THE SHAPE OF THE ARMORFLEX BLOCKS WILL BE PER MANUFACTURER'S SPECIFICATIONS.

MAT CONNECTION CABLE KEY DETAIL

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DRAWN BY:	MS
CHECKED BY:	SM
IN CHARGE:	SM
DATE:	12/09/96

REVISIONS

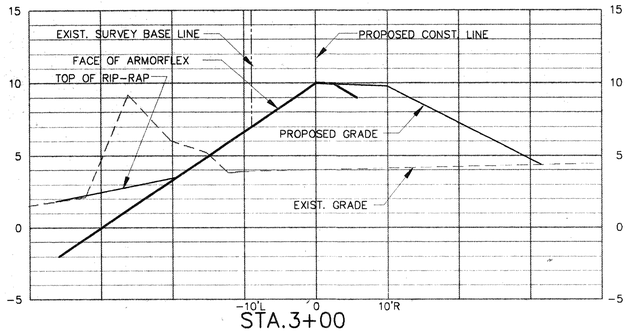
DATE	DESCRIPTIONS	APPROVED

2/7/97

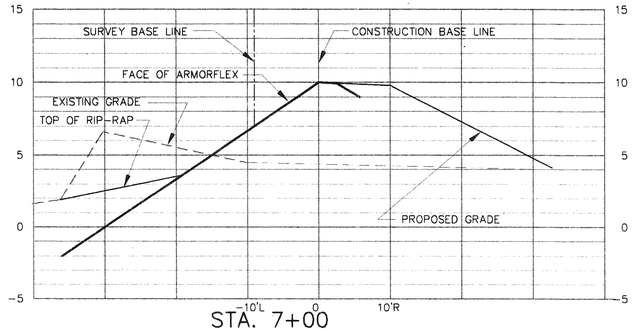
KEY WEST NAVAL STATION

SHORELINE CROSS SECTIONS
FROM STA. 12+00 TO 18+00
TYPICAL DETAILS

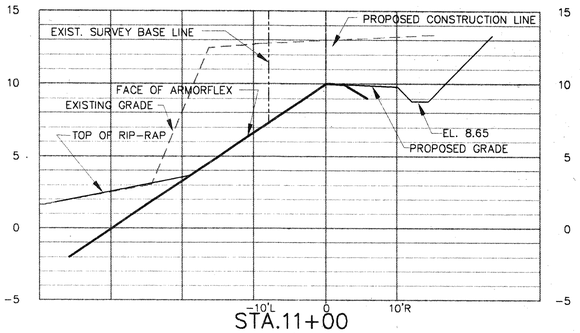
SCALE:	H 1" = 10' V 1" = 5'
CONTRACT NO.:	
SHEET	3 OF 5
DRAWING NO.:	C-03



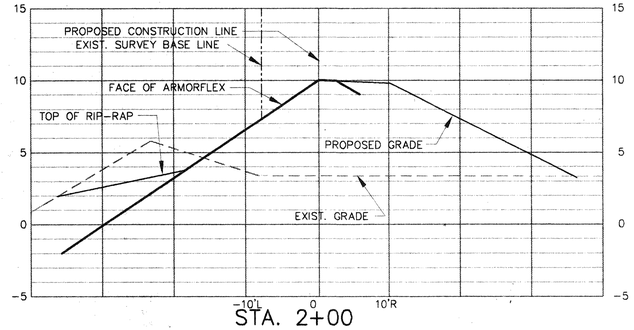
STA.3+00



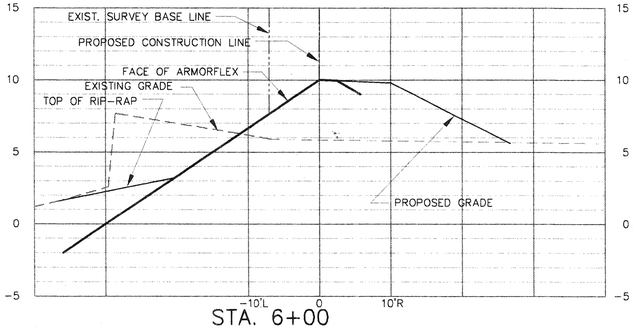
STA. 7+00



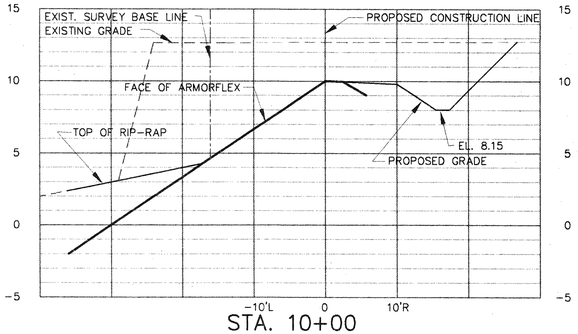
STA.11+00



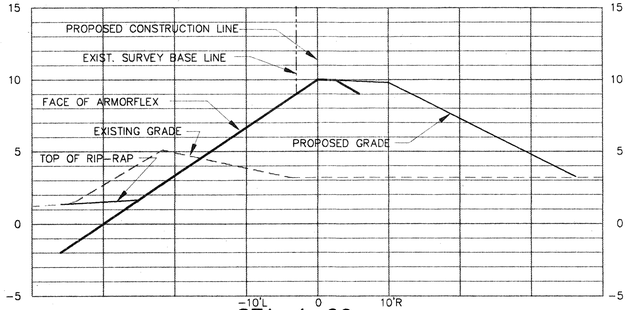
STA. 2+00



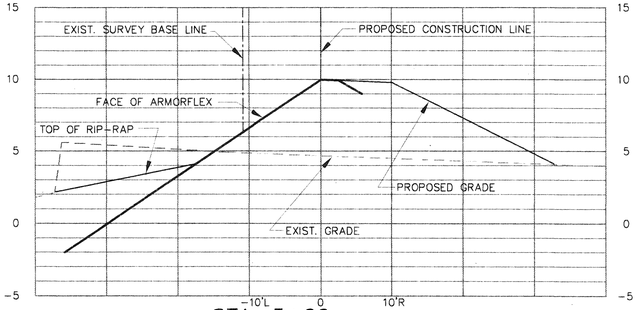
STA. 6+00



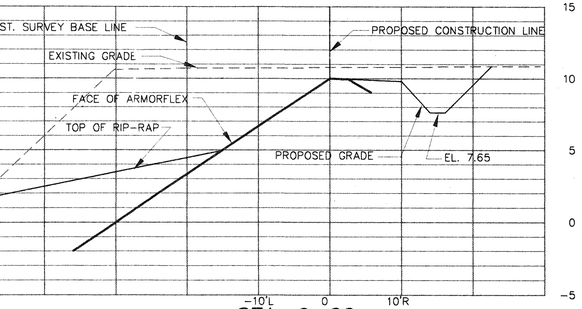
STA. 10+00



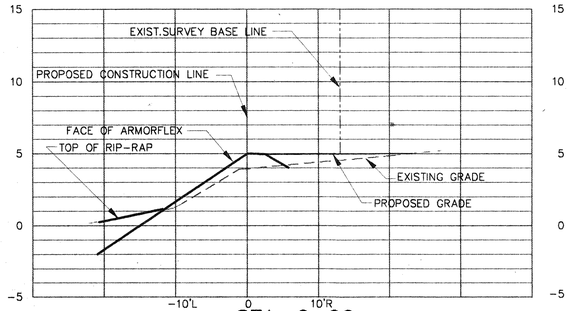
STA. 1+00



STA. 5+00

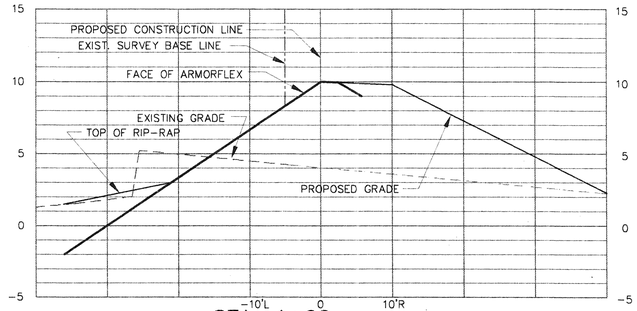


STA. 9+00

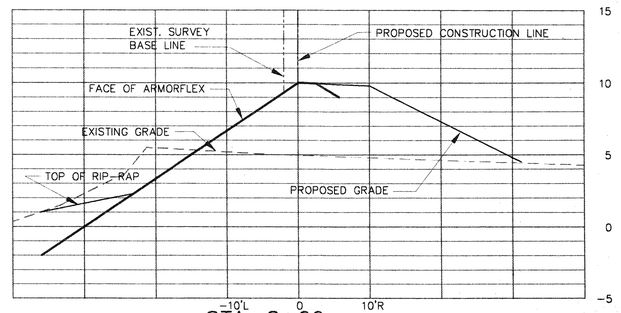


STA. 0+00

SCALE:
H 1"=10'
V 1"=5'



STA. 4+00



STA. 8+00

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REVISIONS

DATE	DESCRIPTIONS	APPROVED

2/7/96

KEY WEST NAVAL STATION

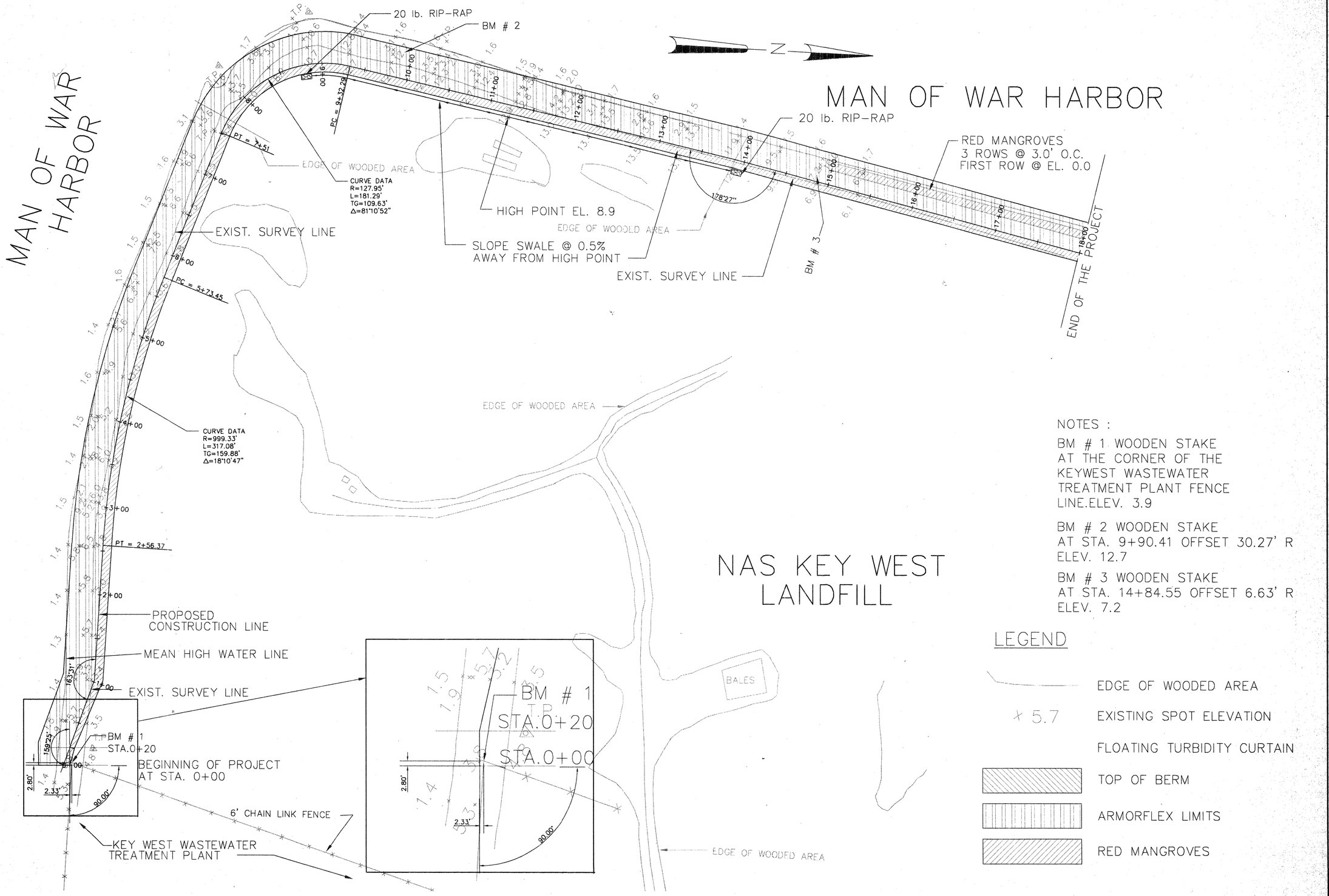
SHORELINE CROSS SECTIONS FROM STA. 0+00 TO 11+00

SCALE:
H 1" = 10'
V 1" = 5"

CONTRACT NO.:

SHEET 2 OF 5

DRAWING NO.:
C-02



NOTES :

BM # 1 WOODEN STAKE AT THE CORNER OF THE KEYWEST WASTEWATER TREATMENT PLANT FENCE LINE.ELEV. 3.9

BM # 2 WOODEN STAKE AT STA. 9+90.41 OFFSET 30.27' R ELEV. 12.7

BM # 3 WOODEN STAKE AT STA. 14+84.55 OFFSET 6.63' R ELEV. 7.2

LEGEND

- EDGE OF WOODED AREA
- × 5.7 EXISTING SPOT ELEVATION
- FLOATING TURBIDITY CURTAIN
- TOP OF BERM
- ARMORFLEX LIMITS
- RED MANGROVES

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REVISIONS

DATE	DESCRIPTIONS	APPROVED

KEY WEST NAVAL STATION

SITE PLAN

SCALE: H 1" = 50' V

CONTRACT NO.:

SHEET 1 OF 5

DRAWING NO.: C-01