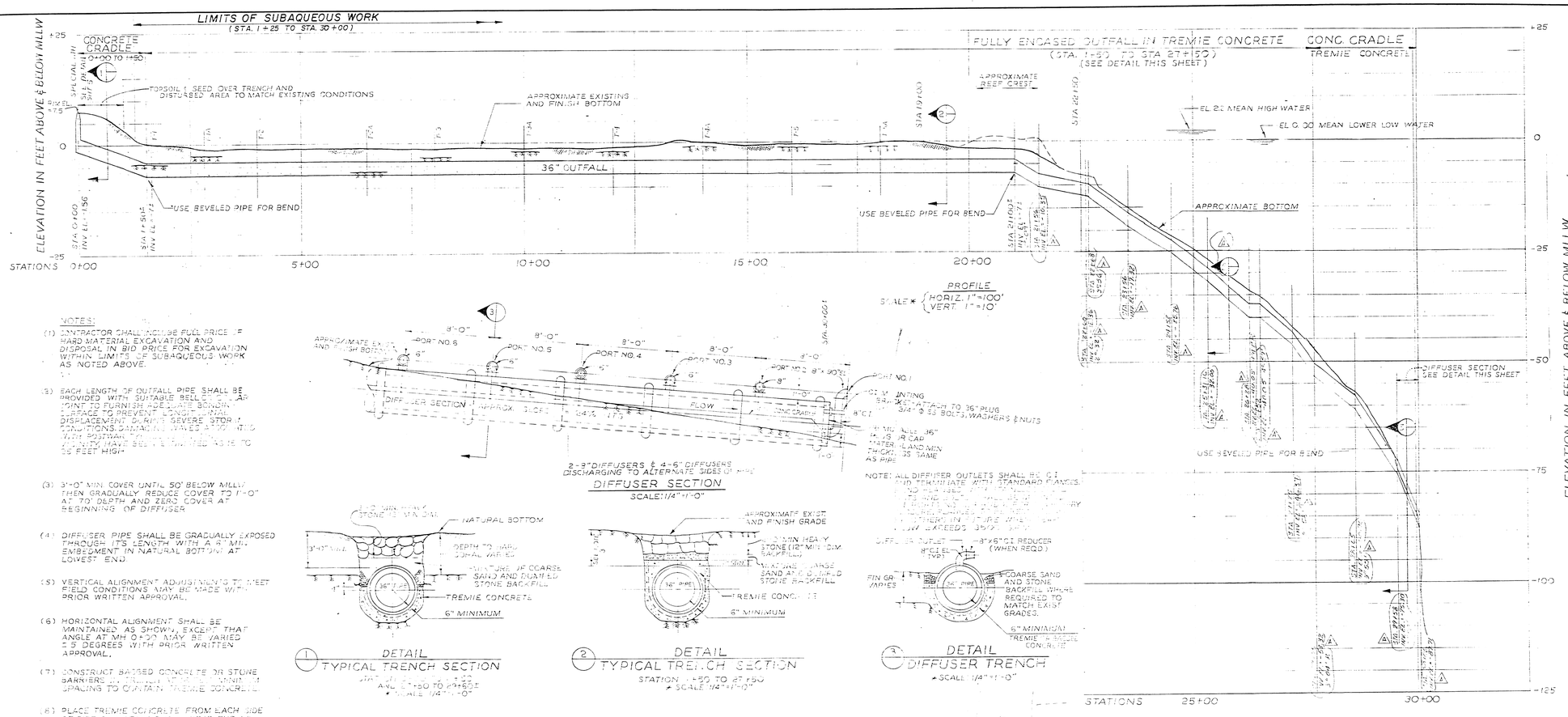


PROFILE
SCALE: HORIZ. 1"=100' VERT. 1"=10'

NOTES:

(1) CONTRACTOR SHALL INCLUDE FULL PRICE OF HARD MATERIAL EXCAVATION AND DISPOSAL IN BID PRICE FOR EXCAVATION WITHIN LIMITS OF SUBAQUEOUS WORK AS NOTED ABOVE.

(2) EACH LENGTH OF OUTFALL PIPE SHALL BE PROVIDED WITH SUITABLE BELLOWS OR JOINT TO FURNISH FLEXIBLE BONDING LEAKAGE TO PREVENT LONGITUDINAL DISPLACEMENT DURING SEVERE STORM CONDITIONS. [illegible] WITH POSTWAR [illegible] HAVE BEEN [illegible] 15 TO 20 FEET HIGH.

(3) 3'-0" MIN. COVER UNTIL 50' BELOW MLLW THEN GRADUALLY REDUCE COVER TO 1'-0" AT 70' DEPTH AND ZERO COVER AT BEGINNING OF DIFFUSER.

(4) DIFFUSER PIPE SHALL BE GRADUALLY EXPOSED THROUGH ITS LENGTH WITH A 6" MIN. EMBEDMENT IN NATURAL BOTTOM AT LOWEST END.

(5) VERTICAL ALIGNMENT ADJUSTMENTS TO MEET FIELD CONDITIONS MAY BE MADE WITH PRIOR WRITTEN APPROVAL.

(6) HORIZONTAL ALIGNMENT SHALL BE MAINTAINED AS SHOWN, EXCEPT THAT ANGLE AT MH 0+00 MAY BE VARIED ±5 DEGREES WITH PRIOR WRITTEN APPROVAL.

(7) CONSTRUCT BATSED CONCRETE OR STONE BARRIERS [illegible] SPACING TO CONTAIN TREMIE CONCRETE.

(8) PLACE TREMIE CONCRETE FROM EACH SIDE OF PIPE SIMULTANEOUSLY. KEEP END OF TREMIE PIPES SUBMERGED IN CONCRETE.

(9) CLEAN SALTWATER MAY BE USED FOR MIXING THE TREMIE CONCRETE.

2-3" DIFFUSERS & 4-6" DIFFUSERS DISCHARGING TO ALTERNATE SIDES OF PIPE

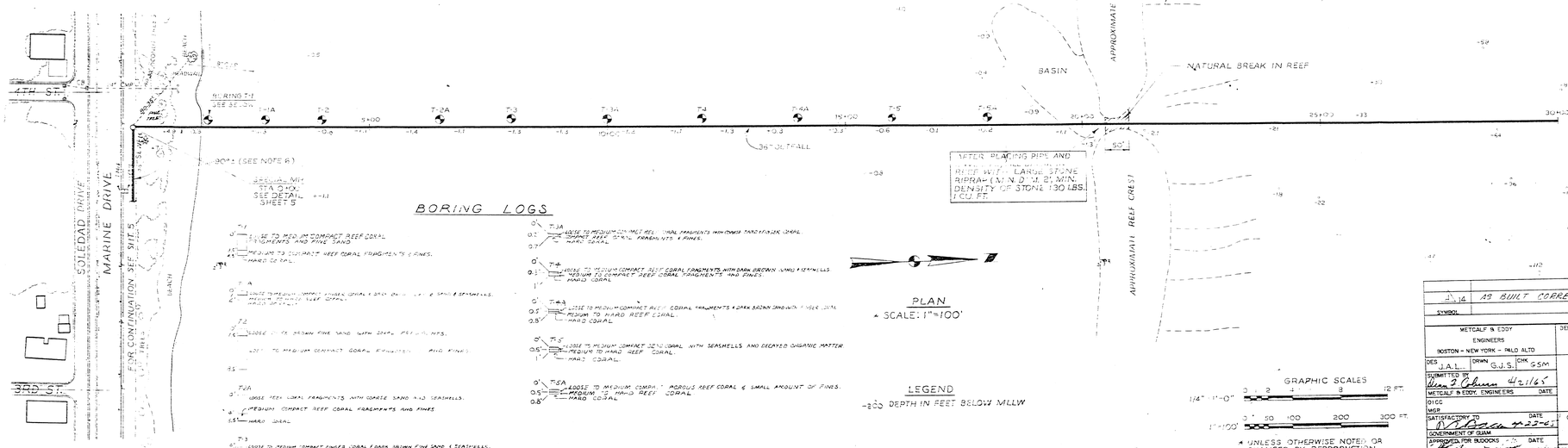
DIFFUSER SECTION
SCALE: 1/4"=1'-0"

NOTE: ALL DIFFUSER OUTLETS SHALL BE C.I. AND TERMINATE WITH STANDARD FLANGES.

DETAIL 1
TYPICAL TRENCH SECTION
STA. 1+50 TO 19+50
AND STA. 19+50 TO 27+50
SCALE 1/4"=1'-0"

DETAIL 2
TYPICAL TRENCH SECTION
STATION 1+50 TO 27+50
SCALE 1/4"=1'-0"

DETAIL 3
DIFFUSER TRENCH
SCALE 1/4"=1'-0"



NOTE: BOTTOM REPORTED AS DEAD CORAL 50'TO 100' AND 100 FEET. DEPTHS BY DIVERS, OCT. 1964 NO OBSERVED BOTTOM DRIFT IN 5 MINUTES. THESE OBSERVATIONS FOR LINE OPPOSITE ST. 17 SHEET.

(SEE VOLUME I, METCALF & EDDY REPORT NAV. 37350, FEB. 1965, TABLE B-1, & B-16 SUMMARY RESULTS ALONG LINE OF PROPOSED OUTFALL OFF MARINE DRIVE AT 5TH STREET OCT. 4, 1964.) PROFILE PLOTTED FROM SOUNDINGS MADE FEB. 19, 1965. BOTTOM OBSERVED AS IRREGULAR, ROUGH, DURING SOUNDINGS.

BORING LOGS

T-1
0'–0.7' LOOSE TO MEDIUM COMPACT REEF CORAL FRAGMENTS AND FINE SAND
0.7'–4.5' MEDIUM TO COMPACT REEF CORAL FRAGMENTS & FINES.
4.5' HARD CORAL

T-1A
0'–0.7' LOOSE TO MEDIUM COMPACT REEF CORAL FRAGMENTS WITH DARK BROWN SAND & SEASHELLS
0.7'–1.5' MEDIUM TO COMPACT REEF CORAL
1.5' HARD CORAL

T-2
0'–0.5' LOOSE TO MEDIUM BROWN FINE SAND WITH CORAL FRAGMENTS.
0.5'–1.5' LOOSE TO MEDIUM COMPACT CORAL FRAGMENTS AND FINES.
1.5'

T-2A
0'–0.7' LOOSE TEST CORAL FRAGMENTS WITH COARSE SAND & SEASHELLS.
0.7'–1.5' MEDIUM COMPACT REEF CORAL FRAGMENTS AND FINES
1.5' HARD CORAL

T-3
0'–0.5' LOOSE TO MEDIUM COMPACT FINGER CORAL & DARK BROWN FINE SAND & SEASHELLS.
0.5'–2' COMPACT FINGER CORAL AND FINES.
2' HARD CORAL

T-3A
0'–0.7' LOOSE TO MEDIUM COMPACT REEF CORAL FRAGMENTS WITH DARK BROWN SAND & SEASHELLS.
0.7' HARD CORAL

T-4
0'–0.5' LOOSE TO MEDIUM COMPACT REEF CORAL FRAGMENTS & DARK BROWN SAND WITH SEASHELLS.
0.5'–1' MEDIUM TO COMPACT REEF CORAL FRAGMENTS AND FINES.
1' HARD CORAL

T-4A
0'–0.5' LOOSE TO MEDIUM COMPACT REEF CORAL FRAGMENTS & DARK BROWN SAND WITH SEASHELLS.
0.5'–1.5' MEDIUM TO HARD REEF CORAL.
1.5' HARD CORAL

T-5
0'–0.5' LOOSE TO MEDIUM COMPACT SAND WITH SEASHELLS AND DECAYED ORGANIC MATTER
0.5'–1' MEDIUM TO HARD REEF CORAL.
1' HARD CORAL.

T-5A
0'–0.5' LOOSE TO MEDIUM COMPACT POROUS REEF CORAL & SMALL AMOUNT OF FINES.
0.5'–0.8' MEDIUM TO HARD REEF CORAL
0.8' HARD CORAL

PLAN
SCALE: 1"=100'

LEGEND
-20.0 DEPTH IN FEET BELOW MLLW

GRAPHIC SCALES
1/4" 1'-0": 0 2 4 8 12 FT.
1"=100': 0 50 100 200 300 FT.

UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION

SYMBOL	DESCRIPTION	DATE	APPROVAL
1	AS BUILT CORRECTIONS	9-22-67	JAJ

REVISIONS

METCALF & EDDY ENGINEERS
BOSTON – NEW YORK – PALO ALTO

DEPARTMENT OF THE NAVY
OFFICER IN CHARGE OF CONSTRUCTION
BUREAU OF YARDS & DOCKS CONTRACTS, MARIANAS
GUAM, M.I.

BUREAU OF YARDS & DOCKS

DES J.A.L. DRWN G.J.S. CHK. GSM

SUBMITTED TO: [illegible] 4/21/65
METCALF & EDDY, ENGINEERS DATE
OICC
MSR
SATISFACTORY TO: [illegible] 9-22-65 DATE
GOVERNMENT OF GUAM
APPROVED FOR BUDOCKS DATE
OICC FOR CHIEF OF BUREAU

SEWERAGE PROGRAM
GOVERNMENT OF GUAM, M.I.

PLAN AND PROFILE OUTFALL SEWER M.H. 14+79 TO STA. 30+00

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80091	F	1015743

SCALE NOTED | SPEC. 64384/65 | NBY 64384 | SHEET 4 OF 118