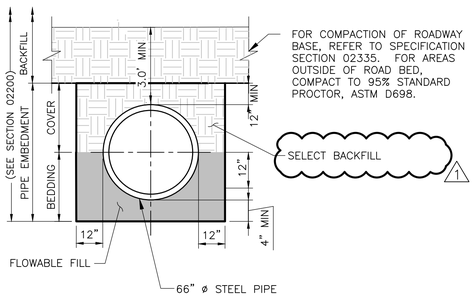
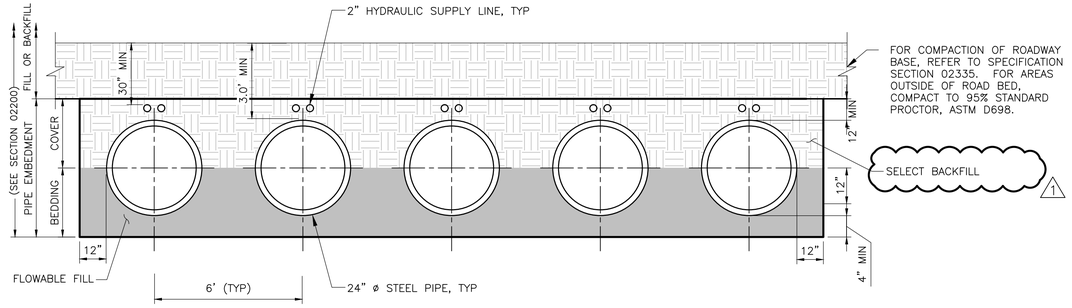


DISCHARGE PIPING



SUCTION PIPING

B
C0005 | C0007

PIPE EMBEDMENT DETAIL

NOT TO SCALE

NOTE:

1. RIPRAP SHALL BE PLACED IN CONFORMANCE WITH SPECIFICATION SECTION 02370.

2. BEDDING TYPE A = EXCAVATED FLOWABLE FILL, PER SPECIFICATION SECTION 03375.

1

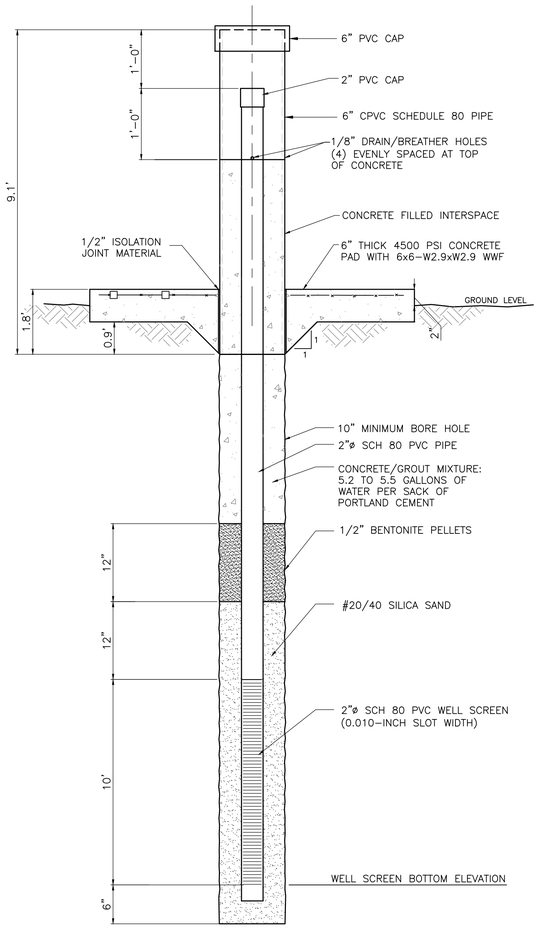
3. SHELLROCK SHALL BE COMPACTED TO 98% MAXIMUM DENSITY PER ASTM D-1557. REFER TO SPECIFICATION SECTION 02335.

4. TYPE B STABILIZATION SHALL HAVE A MINIMUM LIMEROCK BEARING RATIO (LBR) OF 40 AND SHALL BE COMPACTED TO 98% MAXIMUM DENSITY AASHTO T-180. REFER TO SPECIFICATION SECTION 02335.

5. REFER TO SPECIFICATION SECTION 02778 FOR GEOTEXTILE FABRIC.

6. IN AREA BENEATH AND SURROUNDING THE PROPOSED PUMP DRIVER CONCRETE PAD AND SHELTER, THE CONTRACTOR SHALL VERIFY, FROM THE PRE-CONSTRUCTION CONDITION SURVEY PROVIDED TO THE DISTRICT FOR REVIEW AND APPROVAL, THE INTEGRITY OF THE EXISTING SHELLROCK FOR UNIFORMITY AND DEPTH. PER SPECIFICATION SECTION 02335-3.01.E, THE CONTRACTOR SHALL PREPARE THE EXISTING SURFACE AND BASE AS DESCRIBED FOR BASE PREPARATION, SPREADING AND SHAPING AND COMPACTING AND FINISHING TO THE DEPTH AND FINISH ELEVATIONS SHOWN ON THE DRAWINGS.

7. REFER TO SPECIFICATION SECTION 09900 FOR DETAILS ON THE PROTECTIVE COATING SYSTEM FOR THE BOLLARDS



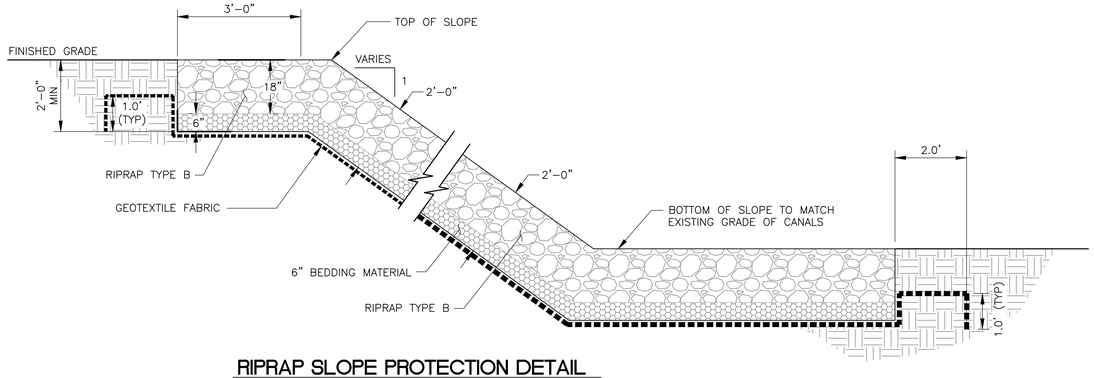
WELL INSTALLATION TYPICAL DETAIL

NOT TO SCALE

REPLACEMENT NON-POTABLE WATER WELL PARAMETERS

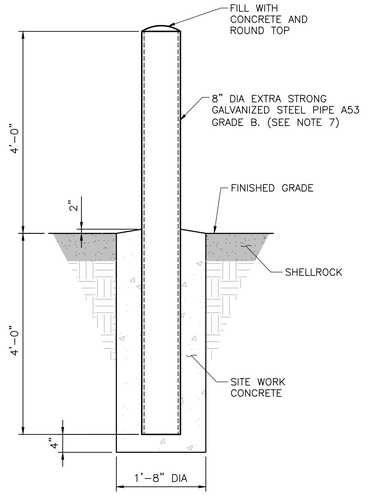
WELL DIAMETER (INCHES) - 2"
TOTAL DEPTH (FEET) - 70'
PUMP INT. ELEV. FEET (BLS) - 15'
PUMP CAPACITY (GPM) - 20

PUMP CAPACITY INDICATED IS A MINIMUM RATE THAT THE CONSTRUCTED WATER WELL SHALL BE ABLE TO SUPPLY FROM THE PRODUCTION ZONE DEVELOPED BY THE CONTRACTOR.



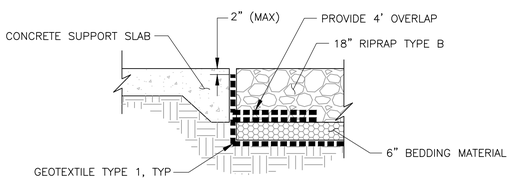
RIPRAP SLOPE PROTECTION DETAIL

NOT TO SCALE



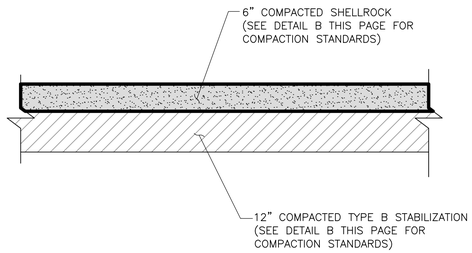
BOLLARD DETAILS

NOT TO SCALE



RIPRAP AT CONCRETE SLAB INTERFACE

NOT TO SCALE



TYPICAL SHELLROCK SECTION

NOT TO SCALE

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

The consultant, contractor or other parties associated with this project shall comply with Florida Statutes Chapter 119. These plans are the property of the District and must be secured and maintained in a confidential manner. Review by any unauthorized individual or outside/third party not performing work necessary for this project is prohibited.

HDR Engineering, Inc.
1400 Centrepark Blvd.
Suite 1000
West Palm Beach, FL 33401-7412
CA 4213

ENGINEER OF RECORD: Mark D. Oural, P.E.
FL ENGINEERING CERTIFICATE NO.: 22328
DATE:

REV.#	DATE	DRAWN	REVISION DESCRIPTION
1	06/08/17	JTT	PER ADDENDUM No. 1
0	05/16/17	JTT	ISSUED FOR CONSTRUCTION

ENGINEER: M. OURAL
DRAWN: J. THORPE
CHECKED: E. COLCHADO
DATE: 04/14/2017
SCALE: AS SHOWN

SOUTH FLORIDA WATER MANAGEMENT DISTRICT
EVERGLADES RESTORATION & CAPITAL PROJECTS
ENGINEERING DEPARTMENT
PHONE: 561-686-8800
3301 GUN CLUB ROAD
WEST PALM BEACH, FLORIDA 33406

ISSUED FOR CONSTRUCTION
C-44 RESERVOIR/STA PROJECT
TIWCD PERMANENT PUMP STATION
MISCELLANEOUS DETAILS

PROJECT ID. NO.
100548
DRAWING NO.
C0007
SHEET
13 OF 23

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