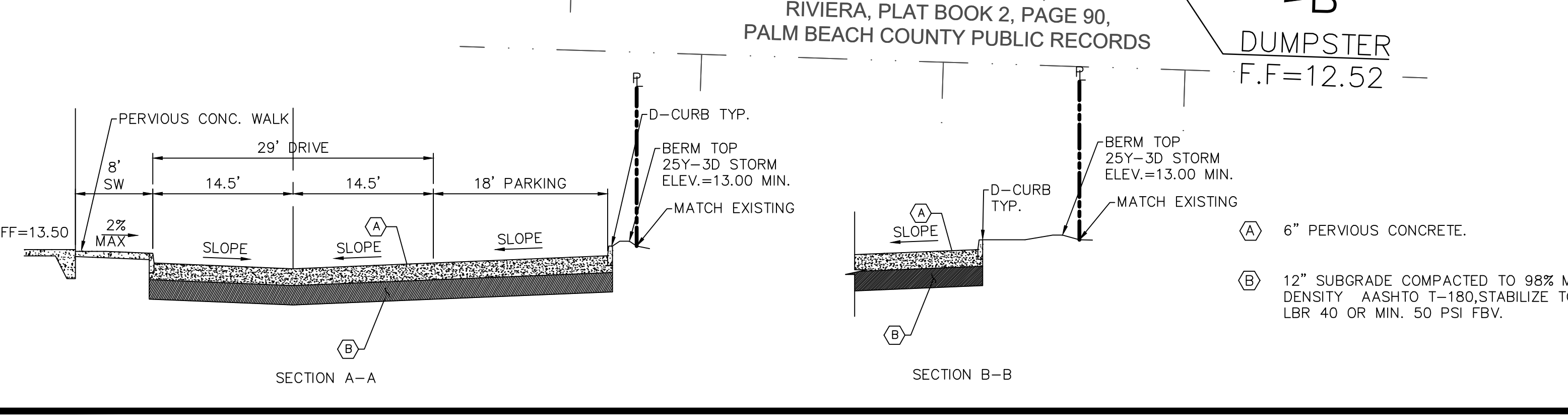
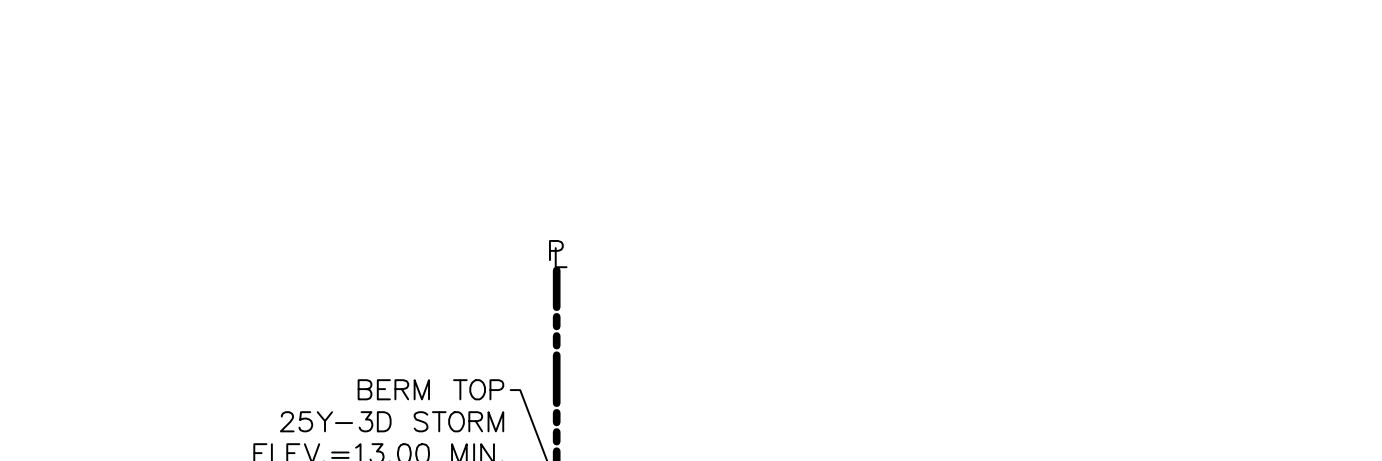
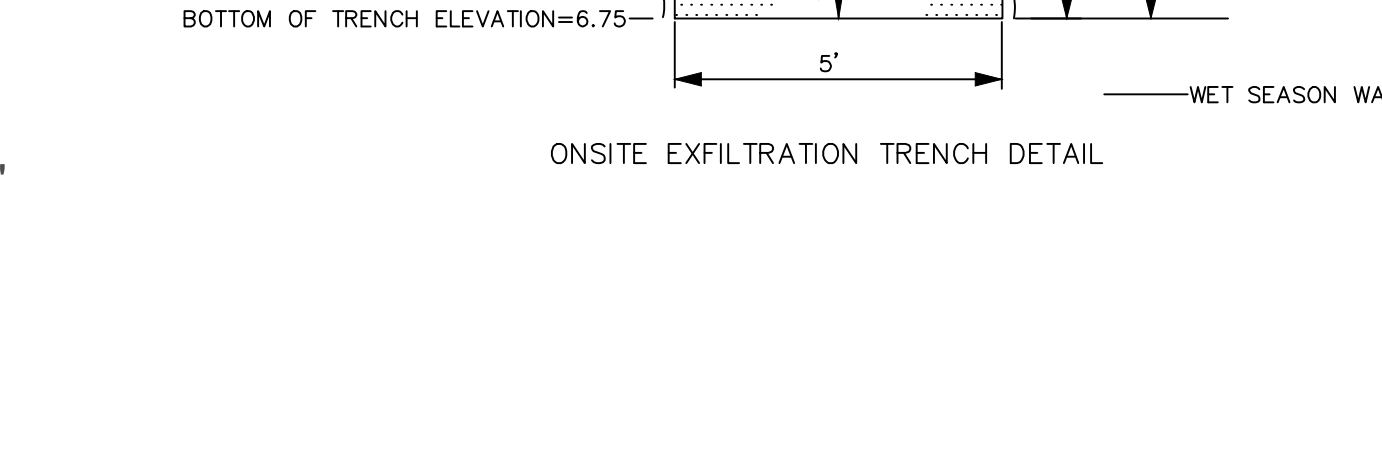
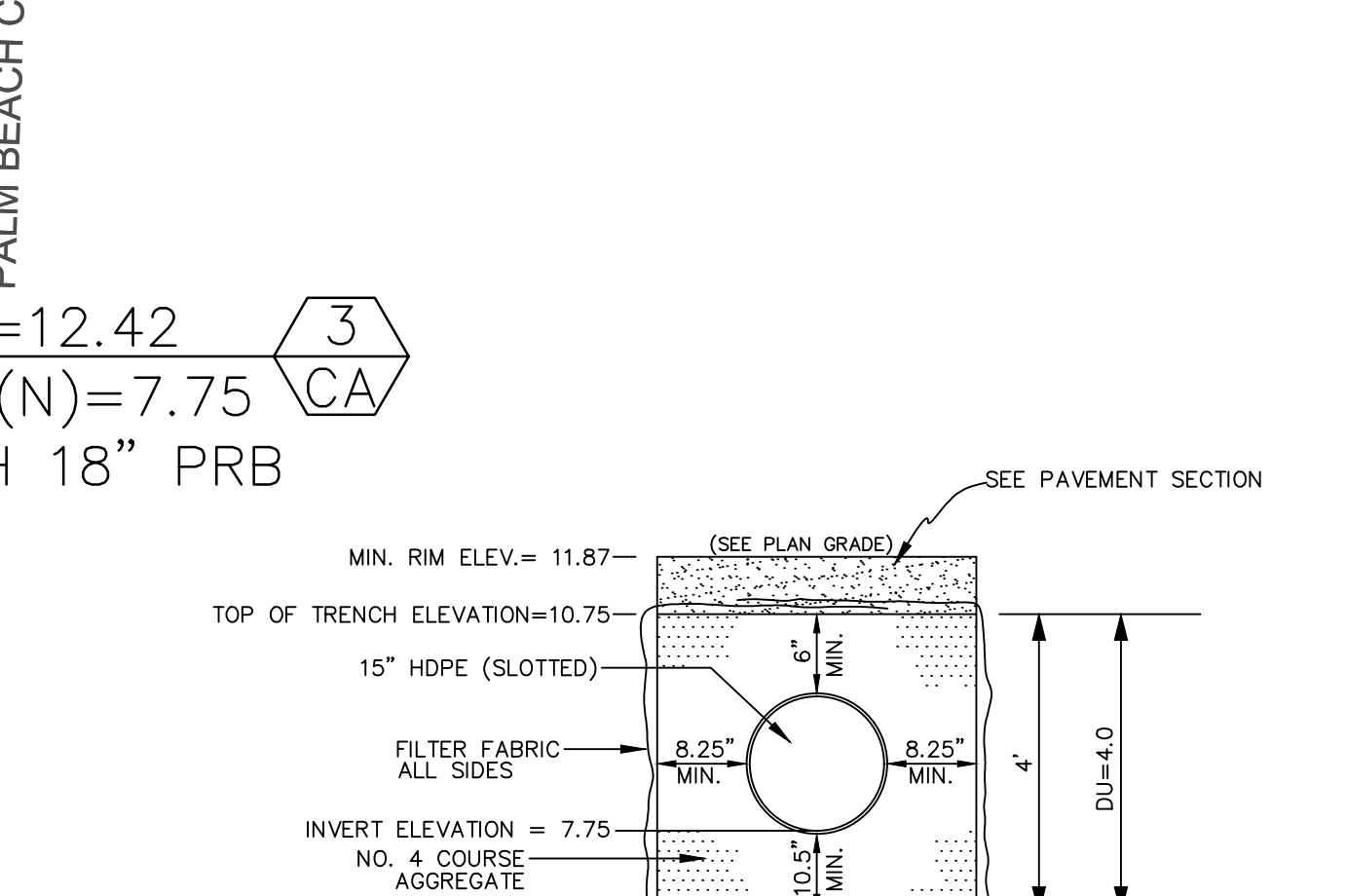


**NOTES FOR P.R.B. BASIN**

- 1) BAFFLE TO BE A SECTION OF CMP CUT IN HALF. CMP FOR BAFFLE SHALL BE THE NEXT LARGER PIPE SIZE THAN "D".
- 2) 1/2" GALVANIZED LAG BOLT IN LEAD SHIELD (TYP.)
- 3) WELD OR 2 - 1/2" THRU BOLTS (S.S.)
- 4) GRATING SHALL BE OFFSET IF STRUCTURE IS USED AS OVERFLOW.



- ON-SITE PAVING AND DRAINAGE SPECIFICATIONS:**
1. ALL ORGANIC OR DELETERIOUS MATERIAL SHALL BE REMOVED FROM WITHIN 5 FEET OF ANY EDGE OF PAVEMENT. ANY SUCH MATERIAL SHALL BE REPLACED BY APPROVED GRANULAR FILL WHICH SHALL BE PLACED AND IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT FOR THE SITE.
  2. STABILIZED SUBGRADE SHALL HAVE A LIMEROCK BEARING RATIO (LBR) OF 40 AND SHALL BE COMPACTED TO 98% OF MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180.
  3. LIMEROCK BASE COURSE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 311 OF FLORIDA D.O.T. STANDARD SPECIFICATIONS. THE MINIMUM PERCENTAGE OF CARBONATES OF CALCIUM AND MAGNESIUM SHALL BE 70%, LIQUID LIMIT 35 PLASTICITY 6, MIN LBR 100 OR ACCEPTABLE FOOT PRODUCT APPROVAL.
  4. ASPHALTIC CONCRETE TYPE S-3 SHALL CONFORM TO THE REQUIREMENTS OF SECTION 331 OF FLORIDA D.O.T. STANDARD SPECIFICATIONS.
  5. PRIME COAT AND TACK COAT FOR BASE COURSES SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 300-1 THROUGH 300-7 OF FLORIDA D.O.T. STANDARD SPECIFICATIONS. PRIME COAT SHALL BE APPLIED AT A RATE OF 0.25 GALLONS PER SQUARE YARD AND TACK COAT AT A RATE OF 0.08 GALLONS PER SQUARE YARD UNLESS A VARIATION RATE IS APPROVED BY THE ENGINEER.
  6. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, EXCEPT DRAINAGE STRUCTURES.
  7. PRECAST CONCRETE MANHOLES AND CATCH BASINS SHALL MEET THE REQUIREMENTS OF A.S.T.M. SPECIFICATIONS C-478 AND 64T.
  8. CONCRETE FOR PRECAST MANHOLES AND CATCH BASINS SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
  9. REINFORCING STEEL FOR MANHOLES AND CATCH BASINS SHALL CONFORM TO A.S.T.M. SPECIFICATIONS A-615 AND A-305, LATEST REVISION. GRADE 60 STEEL SHALL BE USED FOR TOP AND BOTTOM SLABS.
  10. ALL RE-BAR SPLICES IN CONCRETE STRUCTURES SHALL HAVE A MINIMUM LAP OF 24 BAR DIAMETERS.
  11. ALL JOINTS IN CONCRETE STRUCTURES SHALL BE FINISHED WATER TIGHT.
  12. ALL SPACES AROUND PIPING ENTERING OR LEAVING MANHOLES AND CATCH BASINS SHALL BE COMPLETELY FILLED WITH 2:1 WATERPROOF, NON-SHRINKING CEMENT MORTAR.
  13. REINFORCED CONCRETE PIPE (RCP) SHALL CONFORM TO THE REQUIREMENTS OF A.S.T.M. SPECIFICATION C-76, FOR CLASS III, WALL THICKNESS "B" REINFORCED CONCRETE PIPE, AND AS MODIFIED IN SECTION 941 OF FLORIDA D.O.T. STANDARD SPECIFICATION.
  14. CORRUGATED METAL PIPE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 945 OF FLORIDA D.O.T. STANDARD SPECIFICATIONS.
  15. PVC DRAINAGE PIPE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 945 OF FLORIDA D.O.T. STANDARD SPECIFICATIONS.
  16. HDPE PIPE SHALL BE ADS N-12 OR APPROVED EQUAL.
  17. ALL LABOR, MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE MINIMUM ENGINEERING AND CONSTRUCTION STANDARDS ADOPTED BY CITY OF VILLAGE OF PALM SPRINGS PUBLIC WORKS, AND THE PLANS AND CONSTRUCTION SPECIFICATIONS OR ORDINANCES EXIST, THE CITY OF PORT ST LUCIE PUBLIC WORKS STANDARDS SHALL DICTATE. SUBSTITUTIONS AND DEVIATIONS FROM PLANS AND SPECIFICATIONS SHALL BE PERMITTED ONLY WHEN WRITTEN APPROVAL HAS BEEN ISSUED BY THE ENGINEER.
  18. THE EXISTING ELEVATIONS SHOWN ON THE GRADING PLAN INDICATES THE ELEVATION AT THE POINT DEPICTED ONLY, AND SHOULD NOT BE INTERPRETED AS INDICATING THE ELEVATIONS OF ANY OTHER POINT. THESE EXISTING ELEVATIONS ARE IN NO WAY AN INDICATOR OF SURFACE OR SUBSURFACE SOIL CONDITIONS.
  19. BITUMINOUS COATING REQUIRED FOR ALL CORRUGATED METAL PIPE (CMP).

**EROSION CONTROL**

1. STABILIZATION PRACTICES

WHERE CONSTRUCTION OF FILL STOCKPILES ADJACENT TO CONSTRUCTION ACTIVITIES CEASES FOR AT LEAST 7 DAYS, THE SIDES WILL BE STABILIZED BY SEEDING AND MULCHING IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION 1991, SECTION 570. SEED AND MULCH SHALL BE APPLIED NO LATER THAN 7 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THE AREA.

2. PERMANENT STABILIZATION

ALL LANDSCAPING, INCLUDING SODDING, SHALL BE INSTALLED ON THE PERIMETER LANDSCAPE BERMS IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN WITHIN 14 DAYS OF THE LAST CONSTRUCTION ACTIVITY IN THE LANDSCAPE BUFFER AREAS.

3. OFF-SITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE CONSISTING OF MINIMUM 4" COMPACTED LIMEROCK BASE WILL BE CONSTRUCTED AS SOON AS CONSTRUCTION STARTS TO REDUCE THE AMOUNT OF VEHICLE TRACKING FROM THE SITE. THE PAVED STREET ADJACENT TO THE CONSTRUCTION ENTRANCE WILL BE SWEEPED ON A REGULAR BASIS TO REMOVE ANY ACCUMULATION OF DIRT OR ROCKS WHICH HAVE BEEN TRACKED FROM THE SITE. ALL DUMP TRUCKS BRINGING MATERIAL TO, OR LEAVING THE SITE WILL BE COVERED WITH A TARPULIN.

4. EROSION AND SEDIMENT CONTROL, INSPECTION AND MAINTENANCE PRACTICES

- \* ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE WEEKLY AND FOLLOWING ANY STORM EVENT GREATER THAN 1/2".
- \* REPAIRS WILL BE COMPLETED WITHIN 24 HOURS.
- \* THE PERIMETER SWALES WILL BE INSPECTED REGULARLY AND REGRADED AS NECESSARY TO REMOVE THE BUILT UP SEDIMENT.
- \* TEMPORARY SEED AND MULCH AREAS AND PERMANENT SOD AREAS WILL BE INSPECTED REGULARLY FOR BARE SPOTS AND TO ENSURE ADEQUATE GROWTH.
- \* TURBIDITY SCREENS SHALL BE INSPECTED REGULARLY, AND REPAIRED AS NECESSARY.
- \* FILTER FABRIC SHALL BE SECURED IN ALL CATCH BASINS UNTIL COMPLETION OF CONSTRUCTION.

**CONCRETE CURB DETAIL TYPE "D"**

U.S. FOUNDRY FRAME AND GRATE, DRAWING NO. 4155 (OR APPROVED EQUAL)

BRICK TO GRADE (MAXIMUM 12")

PRECAST INLET BY "U.S. PRECAST" (OR APPROVED EQUAL)

HOLES FOR PIPING SHALL BE 4" LARGER THAN PIPE O.D. AND SHALL BE CAST AT TIME OF FABRICATION.

STANDARD HOOKS TIED UNDER BASE STEEL.

**TYPE "CA" DITCH BOTTOM INLET**

U.S. FOUNDRY FRAME AND GRATE, DRAWING NO. 4155 (OR APPROVED EQUAL)

BRICK TO GRADE (MAXIMUM 12")

PRECAST INLET BY "U.S. PRECAST" (OR APPROVED EQUAL)

HOLES FOR PIPING SHALL BE 4" LARGER THAN PIPE O.D. AND SHALL BE CAST AT TIME OF FABRICATION.

STANDARD HOOKS TIED UNDER BASE STEEL.

DATE	DESCRIPTION	REV.
		1
		2
		3
		4
		5

IMTIAZ AHMED, P.E.  
LICENSED ENGINEER NO. 46102  
STATE OF FLORIDA

SEAL

**MEDICAL BUILDING**  
RIVIERA BEACH, FLORIDA

ATLANTIC ENGINEERING SERVICES, INC.  
2822 WATERS EDGE CIRCLE  
GREENACRES, FLORIDA 33413  
PHONE - (561) 358-4140  
FAX - (561) 966-9242  
CERTIFICATE OF AUTHORIZATION NO.: 9390

**PAVING, GRADING AND DRAINAGE PLAN**

PROJ. NO. 0000  
SCALE: AS SHOWN

DES.	DWN.	CHK.

SHEET NUMBER  
**CE1**  
DATE DRAWN  
FEB, 2020