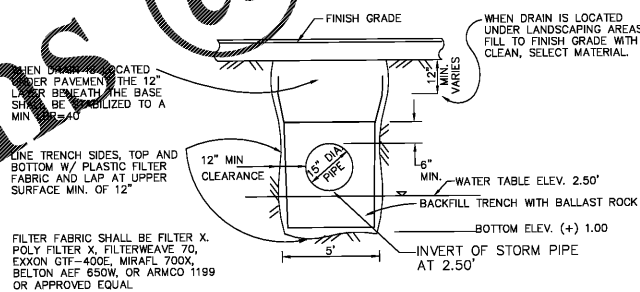
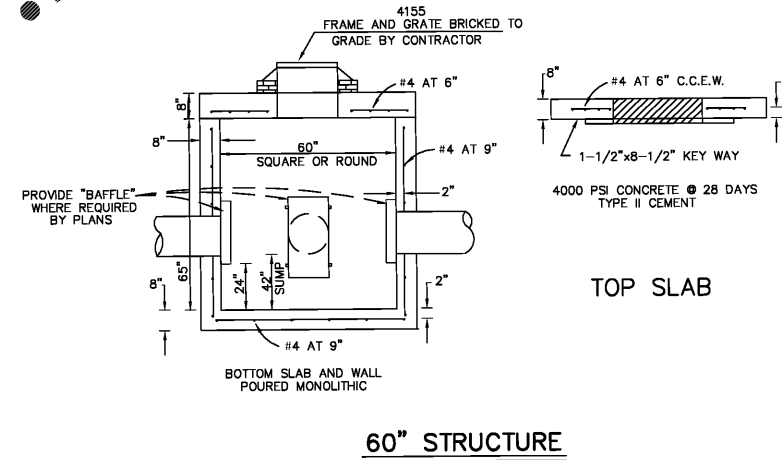
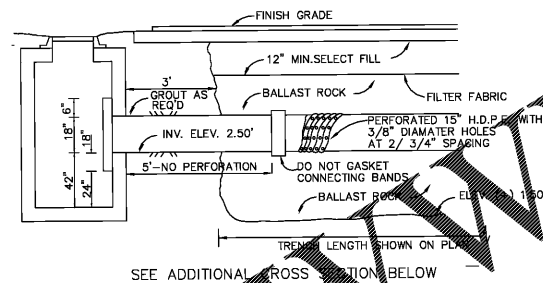
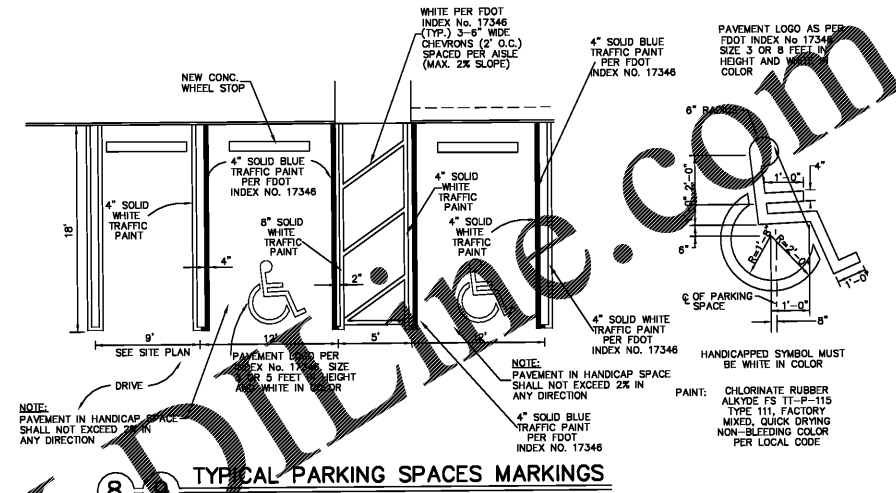
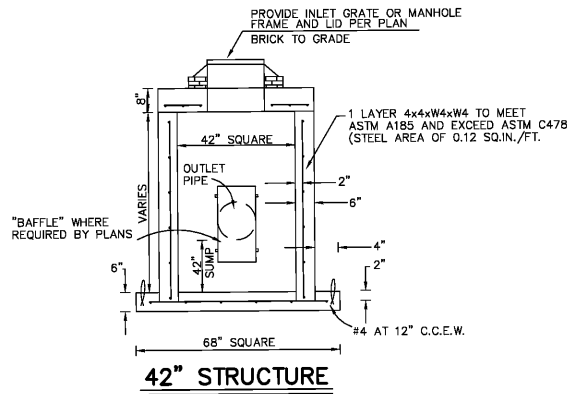


# PAVING & DRAINAGE DETAILS PLAN

## GENERAL NOTES:

- All materials and labor under the project shall conform to City of Ft. Lauderdale Public Works Department, Florida Department of Transportation (FDOT) and Broward County DPEP Standards and Specifications.
- For site dimensions and geometry see Boundary & Site Plan.
- Elevations shown are based on N.A.V. (1988) Datum and as shown on Survey.
- Underground utility information is taken from the best available sources, but should be verified by contractor in the field with the appropriate utility agency prior to commencement of any work. Existing utility lines other than those indicated in this drawing may be on site. The contractor is warned to proceed with caution with all work. He is to make all possible investigation as to possible unmarked utility lines.
- Contractor shall adjust any utility lids and/or covers in project area to the finished grade.
- Any apparent discrepancies in the plans and field condition shall be brought to the attention of the Engineer before proceeding with the work.
- Contractor shall notify the Owner's representative and Engineer if soil condition encountered is unsuitable for construction. Furthermore all existing organic materials shall be removed from beneath areas of new asphalt or concrete pavement and from proposed building locations. The full depth of all existing organic and deleterious material within the right of way and utility/drainage easements shall be removed. No material of FDOT Class A-5, A-7 or A-8 shall be allowed.
- The Contractor shall restore all areas disturbed by this construction to a condition equal to, or better than, that now existing.
- Typical Pavement Section:  
1.5" Type S-III Asphaltic Concrete surface course  
6" Limerock base (Minimum LBR 100), compact to 98% of maximum density as determined by AASHTO T-180 and 6" concrete slab on 6" Limerock base compacted to 98% of maximum density as determined by AASHTO T-180 and 12" well compacted subgrade compact to 98% of maximum density as determined by AASHTO T-180.
- Fill shall be placed in 12" layers loose thickness, measured and compacted to 95% of maximum density as determined by AASHTO T-180. Fill shall be locally acceptable and suitable for fill purposes. The top 12" of fill or cut (Minimum LBR 40) under pavement base shall be compacted to 98% of maximum density as determined by AASHTO T-180.
- All seepage structures shall be French Drain with 15" perforated HDPE shall be used. Bottom of trench to be elevation (+) 1.00 trench width to be 5'. Provide masonry plug at end of French Drain invert of pipe to be at elevation 2.50.
- The property is located in flood zone AH, Elevation 8.00 feet, as per current Map No. 12011 C 0556 L dated August 18, 2014..
- Water level elevation as determined by Broward County Department of Environmental Protection is at Elevation 2.50 Feet, (Future wets season elevation).
- Backround information obtained from Boundary Survey prepared by Accurate Land Surveyors Inc. Dated May 31, 2019.
- All signage and markings shall conform to the requirements of Broward County, FDOT and the Florida Department of Transportation.
- This site lies in Section 8, Township 50 S, Range 42 East in Miami-Dade County.
- All repairs to the existing pavement shall receive saw-cut edges prior to relaying asphalt. Utility piping or wiring less than four (4) inches in diameter requires a Schedule 40 PVC casing pipe with sand backfills under paved areas only.
- Prime coat shall be applied at a rate of 0.25 gallons per square yard. Prime and tack coat for base shall conform to the requirements and specifications of sections 300-1 through 300-4 of FDOT standards specifications.
- Base and subgrade density tests shall be conducted for a maximum 7000 square feet of finished pavement.
- Proctors shall be performed on the material, subgrade and base and any subsequent changes in materials. Limerock bearing ratios, sieve analysis and densities required by contract documents shall be submitted to the City.
- Minimum longitudinal slope of pavement shall be 0.3%.
- Minimum transverse slope of the pavement shall be one percent for parking areas.



- NOTES:
- THE BOTTOM OF THE EXFILTRATION TRENCH SHALL BE AT ELEVATION (+) 1.00 UNLESS FIELD CONDITIONS WARRANT OTHERWISE.
  - AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION, IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER IN ORDER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF IT DOES TAKE PLACE, ADDITIONAL BALLAST ROCK WILL BE ADDED TO RESTORE THE BALLAST ROCK TO THE PROPER ELEVATION, SO THAT THE EXFILTRATION TRENCH WILL BE COMPLETED IN ACCORDANCE WITH THE DETAILS.

STRUCTURE TABLE						
NO.	TYPE	RIM ELEV.	FLOOR ELEV.	INVERT ELEV.	INVERT ELEV.	DATE
1	42" INLET	7.00	(-) 1.00	(+) 2.50	1	WEST
2	60" INLET	7.25	(-) 1.00	(+) 2.50	2	E & S
3	42" INLET	7.00	(-) 1.00	(+) 2.50	2	N & S
4	60" INLET	7.00	(-) 1.00	(+) 2.50	2	N & W
5	42" INLET	7.00	(-) 1.00	(+) 2.50	1	WEST
6	42" INLET	6.00	(+) 0.50	(+) 2.50	0	-

**ZAMORA & ASSOCIATES, INC.**  
ENGINEERING LAND PLANNING  
11410 N. KENDALL DRIVE SUITE 302  
MIAMI, FLORIDA 33176 (305) 273-7601

PROJECT: OWNER:  
ESTEL PLAZA  
2890 - 2894 W BROWARD BLVD  
FT. LAUDERDALE, FLORIDA 33312  
ESTEL DEVELOPMENT LLC  
763 NORTHEAST 193 TERRACE  
MIAMI, FLORIDA 33179  
PAVING & DRAINAGE DETAILS PLAN

Date	Description	By

GERARDO ZAMORA  
P.E. No. 44207  
E.B. 0006791  
STATE OF FLORIDA

GERARDO ZAMORA, P.E.  
Fl. Reg. No. 44207  
Civil Engineer  
Scale: 1" = 20'  
Designed By:  
Drawn By:  
Checked By: G.Z.  
Date: 2/5/2020  
Project No: 2020-17  
SHEET No.  
**C-5**