

CONCRETE MIX DESIGN

MIX FOR ONE CUBIC YARD OF FIBER-REINFORCED CONCRETE

28 DAY STRENGTH	4000 PSI
CEMENT (ASTM C-150, TYPE III)	4.64 SACS (436 LB.)
FLY ASH (ASTM C-618)	1.16 SACS (109 LB.)
GRAVEL (ASTM C-33, GRADE A)	1775 LB.
SAND (ASTM C-33)	1226 LB.
WATER (POTABLE)	30 GALLONS (250 LB.)
TYPE A WATER REDUCER (ASTM C-494)	16.35 LB.
AIR ENTRAINMENT	5% BY VOLUME, USE PER MANUFACTURER'S SPECIFICATIONS
FIBER REINFORCEMENT	NOVA MESH, OR EQUAL (APPROVED IN WRITING BY THE CITY ENGINEER)

ALL CONCRETE PAVEMENT PLACED FOR ROADWAY CONSTRUCTION SHALL INCLUDE NOVA MESH (OR EQUAL) POLYPROPYLENE FIBER REINFORCEMENT APPLIED AT A RATE OF ONE AND ONE-HALF (1 1/2) BAGS PER CUBIC YARD OF CONCRETE. POLYPROPYLENE FIBER REINFORCEMENT SHALL BE APPLIED AT THE PLANT. THE BAGS MUST BE BROKEN BEFORE MAKING. BAG SIZE SHALL BE ONE (1) POUND.

CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, AND EQUIPMENT NEEDED TO CONSTRUCT HANDICAP RAMPS, AT INTERSECTIONS, MEDIANS, OR AS DIRECTED BY THE CITY ENGINEER. THE CONCRETE USED TO CONSTRUCT THE RAMPS SHALL BE SIX (6) INCH THICK 4000 PSI AT 28 DAYS, WHERE NECESSARY OR AS DIRECTED BY THE CITY ENGINEER. EXISTING SIDEWALK SHALL BE REMOVED AND REPLACED WITH NEW PORTLAND CEMENT CONCRETE SIDEWALK AND TRUNCATED DOME TILE, AS SPECIFIED ACCORDING TO AMERICAN DISABILITY ACT REQUIREMENT.

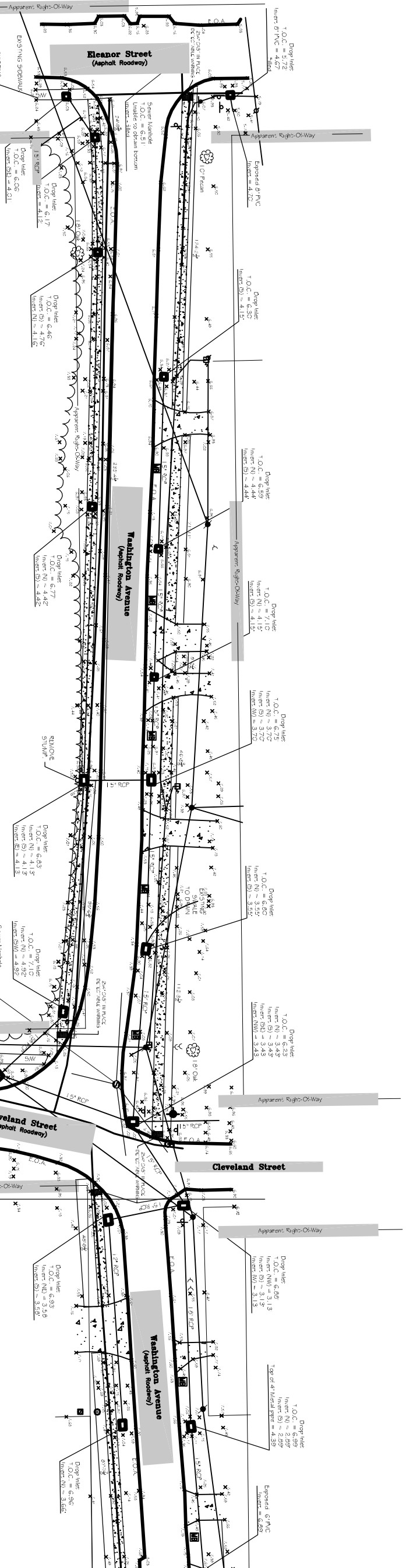
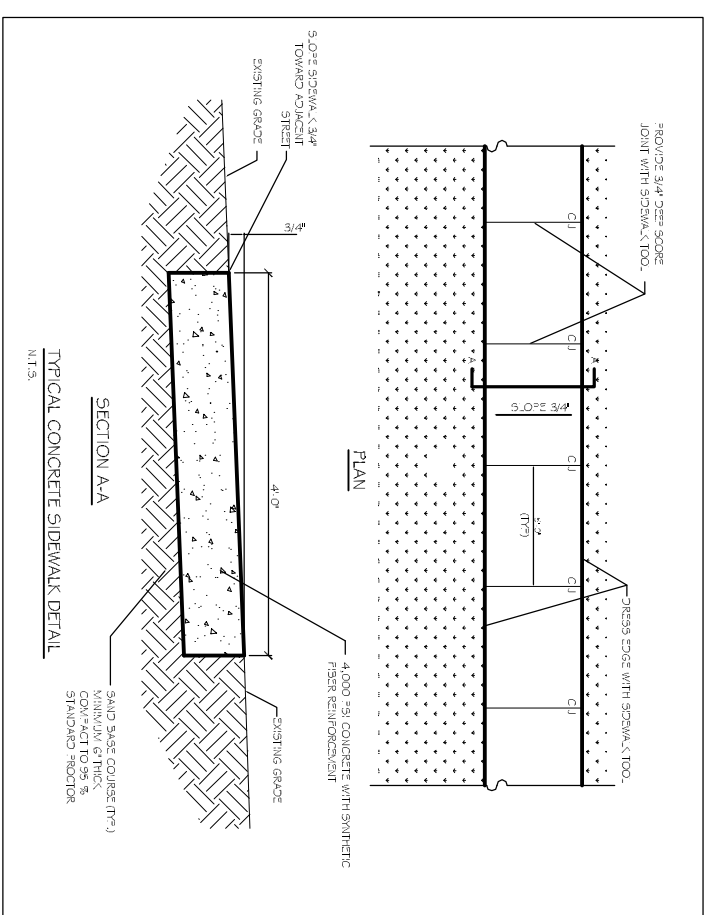
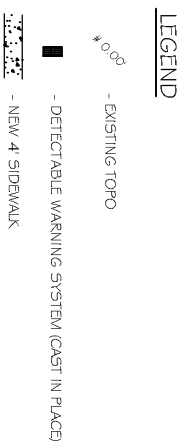
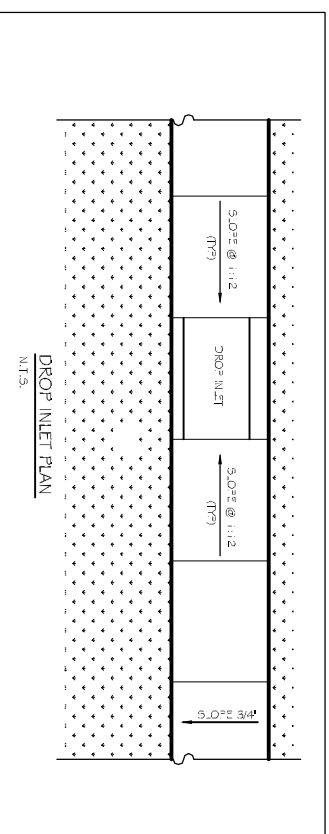
TRUNCATED DOME TILE SHALL BE MINIMUM 1/4-INCH THICK WITH EMBEDDED TRUNCATED DOMES, 3-INCHES ON CENTER THROUGH ENTIRE LENGTH OF TILE. TILE SURFACE SHALL BE COVERED WITH PROTECTIVE PLASTIC SHEETING. EACH HANDICAP RAMP SHALL CONSIST OF ONLY ONE TILE, WHICH SHALL BE ANCHORED INTO THE CONCRETE. THESE ARE A NO DIRECT PAY ITEM.

NOTES:

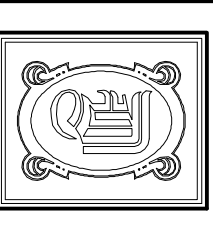
- 1) SIDEWALKS SHALL BE LOCATED AS NOTED AND INSTALLED WITH THE LAY OF THE LAND. FIELD VERIFY WITH CITY ENGINEERING AND DAMMON ENGINEERING PRIOR TO FORMING. SCALING DIMENSION TO PRELIMINARY LOCATE SIDEWALKS IS PERMITTED.
- 2) ALL SIDEWALKS SHALL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE AND HAVE A MINIMUM THICKNESS OF 4".
- 3) SAND BASE COURSE (TYP.) SHALL HAVE A MINIMUM OF 6" THICK COMPACTED TO 95% STANDARD PROCTOR.
- 4) PROVIDE SYNTHETIC FIBER REINFORCING IN ACCORDANCE WITH ASTM C 1116 IN ALL CONCRETE SIDEWALKS.
- 5) ALL SIDEWALKS SHALL BE SLOPED TO A DEPTH OF 3/4" AT FIVE FOOT INTERVALS.
- 6) ALL SIDEWALKS SHALL BE SLOPED TO THE ADJACENT STREET OR DRIVEWAY.
- 7) REMOVE EXISTING SIDEWALKS AND TRUNCATED DOME TILE FROM EXISTING SIDEWALKS AS NOTED.
- 8) PREPARE EXISTING SAND BASE COURSE WITH POLYMER MODIFIED PLASTIC FIBER, MEDIAN CLASS 100 C-500 P.V.C.
- 9) FIELD VERIFY ALL ELEVATIONS AND DRAINAGE SYSTEM PLACEMENT PRIOR TO START OF WORK.

TRAFFIC CONTROLS:

ANY WORK WITHIN THE ROADWAY OR ADJACENT TO THE ROADWAY CAUSING AN INTERFERENCE TO VEHICULAR TRAFFIC REQUIRES PRIOR APPROVAL FROM THE CITY OF SLIDELL AND MUST CONFORM TO THE REQUIREMENTS SET FORTH BY THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR MUST FURNISH ALL NECESSARY TRAFFIC SIGNS AND/OR BARRICADES AND MAINTAIN THEM DURING CONSTRUCTION ACTIVITY.



MATCH LINE - SEE SHEET C-4



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CITY OF
SLIDELL
LOUISIANA

CDBG
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IMPROVEMENTS
FY 11

WASHINGTON AVE

REV:	
SCALE:	AS NOTED
JOB#:	2129
DATE:	02-17-12
SHEET	4
OF	5

C-3