## PARKING CONCRETE MIX DESIGN

MIX FOR ONE CUBIC YARD OF FIBER-REINFORCED CONCRETE

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|---|---|
| 28 DAY STRENGTH | 4000 PSI |
| CEMENT (ASTM C-150, TYPE I/II) | 4.64 SACKS (436 LBS.) |
| FLY ASH (ASTM C-618) | 1.16 SACKS (109 LBS.) |
| GRAVEL (ASTM C-33, GRADE A) | 1775 LBS. |
| SAND (ASTM C-33) | 1226 LBS. |
| WATER (POTABLE) | 30 GALLONS (250 LBS.) |
| TYPE A WATER REDUCER (ASTM C-494 | 16.35 LBS. |
| AIR ENTRAINMENT SPECIFICATIONS | 5% BY VOLUME, USE PER MANUFACTURERS |
| FIBER REINFORCEMENT | 1.5 LBS/CY MICROFIBERS, AS SPECIFIED BELOW |
| THICKNESS | SIX (6) INCH THICK |

FIBER REINFORCEMENT FOR ALL CONCRETE PARKING AND DRIVEWAYS SHALL BE MATRIX MONOFILAMENT MICROFIBER AS MANUFACTURED BY FRC INDUSTRIES OR APPROVED EQUAL, APPLIED THROUGHOUT THE CONCRETE MIXTURE. ALTERNATE PRODUCTS MUST BE PREAPPROVED BY THE CITY ENGINEER IN WRITING.CELLULOSE (TREATED OR UNTREATED), AR GLASS, NYLON AND POLYESTER FIBERS ARE SPECIFICALLY PROHIBITED FROM USE.

## HANDICAP RAMPS:

CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, AND EQUIPMENT NEEDED TO CONSTRUCT HANDICAP RAMPS AS SHOWN ON THE PLANS. THE CONCRETE USED TO CONSTRUCT THE RAMPS SHALL BE FOUR (4") INCH THICK 4000-PSI AT 28 DAYS. TRUNCATED DOME TILE SHALL BE MINIMUM 1/4" 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 SHILL BE ANCHORED INTO THE CONCRETE. COLOR OF TILE SHALL BE BRICK RED, UNLESS OTHERWISE SPECIFIED. REMOVAL OF EXISTING PAVEMENT, DISPOSAL OF EXCAVATED MATERIAL, CURB, SUB-BASE, BASE MATERIAL, AND SIDEWALK ASSOCIATED WITH THE HANDICAP RAMP, AS REQUIRED, SHALL BE PAID UNER THE APPROPRIATE OTHER PAY ITEMS.
PAYMENT FOR HANDICAP RAMP SHALL BE MEASURED PER EACH AND SHALL INCLUDE TRUNCATED DOME TILE WITH ANCHORING SYSTEM.

## SIDEWALK NOTES:

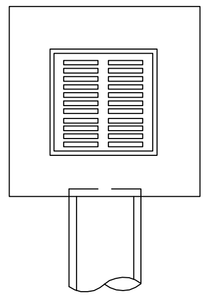
1) SIDEWALKS SHALL BE LOCATED AS NOTED AND VERIFIED BY THE ENGINEER IN THE FIELD.
2) ALL SIDEWALKS SHALL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE AND HAVE A MINIMUM THICKNESS OF 4".
3) SAND BASE COURSE (TYP.) SHALL HAVE A MINIMUM OF 6" THICK COMPACTED TO 95% STANDARD PROCTOR.
4) ALL EXPOSED AGGREGATE SIDEWALKS SHALL BE REINFORCED WITH 6X6 WELDED WIRE FABRIC, SUPPORTED SUCH THAT IT IS MID DEPTH IN THE FINISH SLAB. SOLID BRICK PAVERS SHALL BE ST. JOE OR APPROVED EQUAL. COLOR OF BRICK PAVERS AND EXPOSED AGGREGATE SURFACE SHALL MATCH EXISTING SIDEWALKS.
5) ELEVATIONS SHOWN ARE M.S.L.
6) FIELD VERIFY ALL ELEVATIONS AND DRAINAGE SYSTEM PLACEMENT PRIOR TO START OF WORK.

## TRAFFIC CONTROLS:

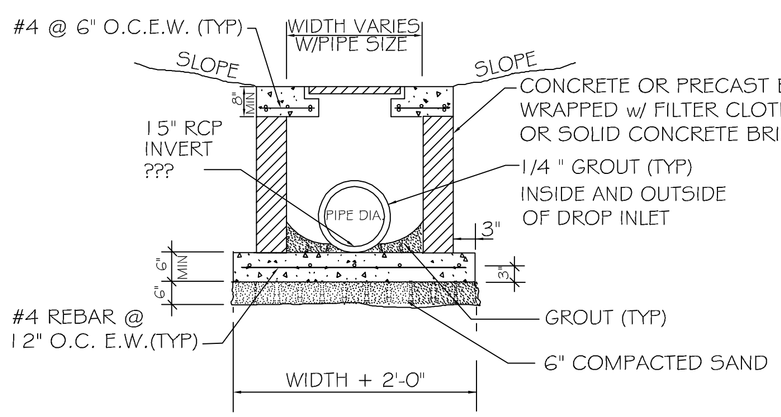
ANY WORK WITHIN THE ROADWAY OR ADJACENT TO THE ROADWAY CAUSING AN INTERFERENCE TO VEHICULAR TRAFFIC REQUIRES PRIOR APPROVAL FROM THE CITY OF SLIDELL, AND MUST CONFORM TO THE REQUIREMENTS SET FORTH BY THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR MUST FURNISH ALL NECESSARY TRAFFIC SIGNS AND/OR BARRICADES AND MAINTAIN THEM DURING CONSTRUCTION ACTIVITY, AT NO DIRECT PAY.

## DRAINAGE NOTES:

1) POND DRAIN PIPE & FITTINGS SHALL BE POLYVINYL CHLORIDE PLASTIC PIPE, MEETING CLASS 100 C-900 PVC.
2) ELEVATIONS SHOWN ARE M.S.L.
3) FIELD VERIFY ALL ELEVATIONS AND DRAINAGE SYSTEM PLACEMENT PRIOR TO START OF WORK.



TYPICAL DROP INLET
NTS




SECTION DROP INLET
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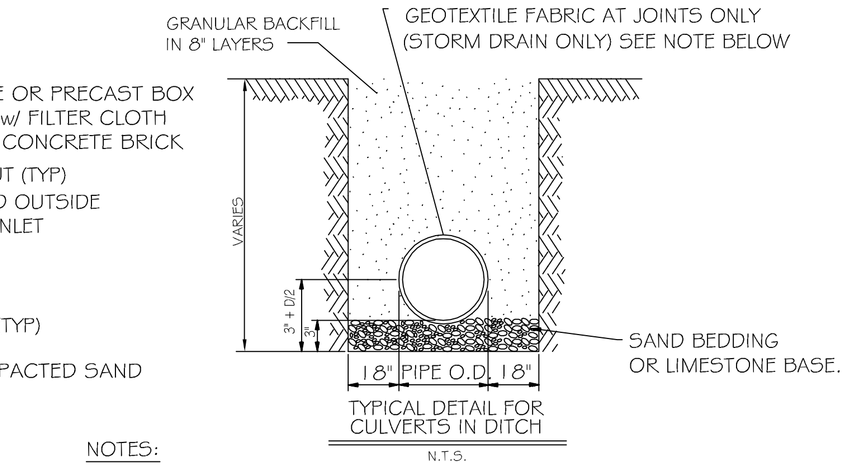
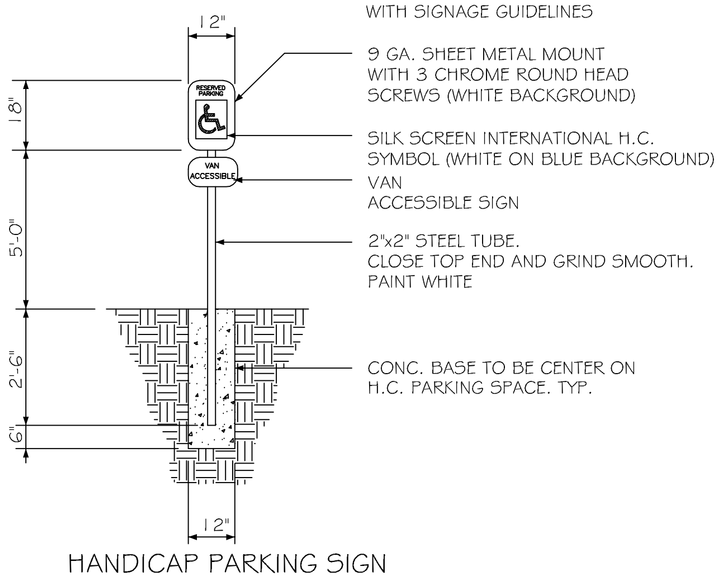
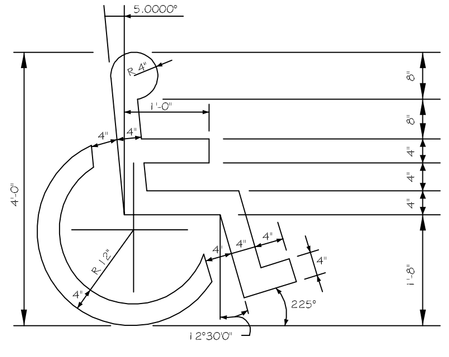



TYPICAL DETAIL FOR CULVERTS IN DITCH
N.T.S.

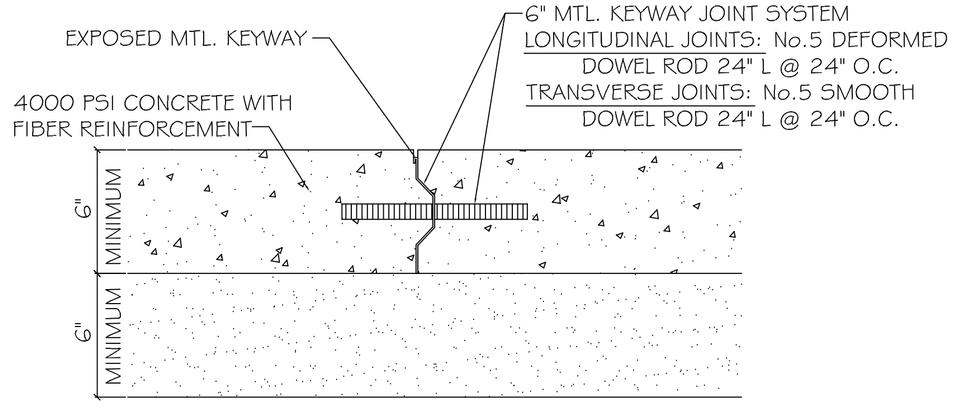
NOTES:
1. ALL GEOTEXTILE FABRIC TO BE 3'-0" WIDE AND TO OVERLAP NO LESS THAN 1/2 OF PIPE DIAMETER AT ALL JOINTS.
2. ADDITIONAL BEDDING MATERIAL MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
3. TIMBER PLANKING UNDER CULVERTS MAY BE REQUIRED BY ENGINEER.



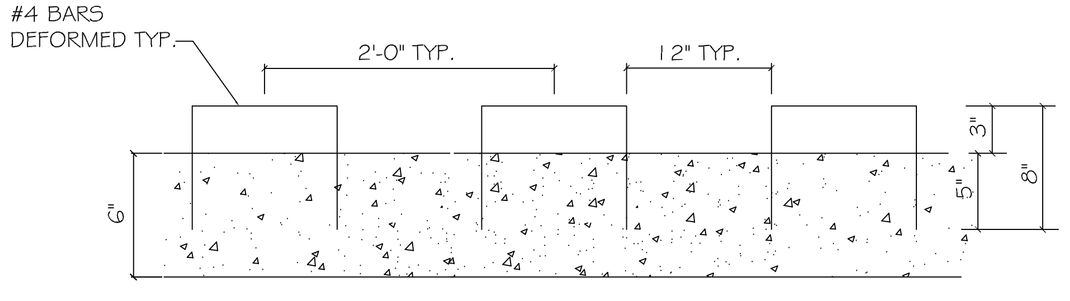

HANDICAP PARKING SIGN
N. T. S.



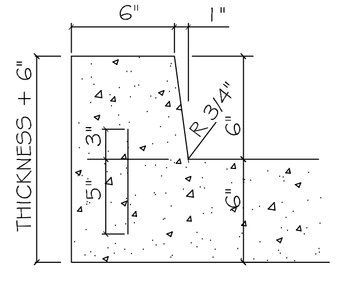

HANDICAP SYMBOL DETAIL
N. T. S.




PAVEMENT JOINT DETAIL
N.T.S.




CURB DOWELS
N.T.S.




6" BARRIER CONCRETE CURB
N.T.S.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CITY HALL PARKING LOT & COURTYARD
FOUR CAREN STREET
SLIDELL, LA

DATE: 01-17-2013
JOB No:
CHECKED BY: JTL
DRAWN BY:

| # | DESCRIPTION | DATE |
|---|---|---|
| | REVISIONS | |

PAVING DETAILS & NOTES

SHEET No: 4 OF 8

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