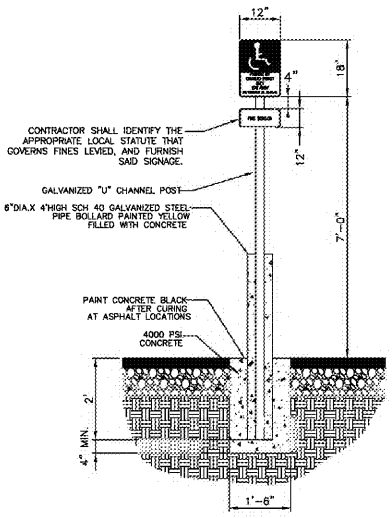


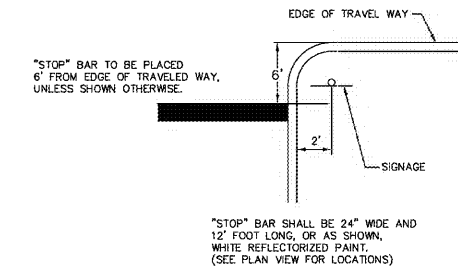
STABILIZED CONSTRUCTION ENTRANCE

CONSTRUCTION SPECIFICATIONS

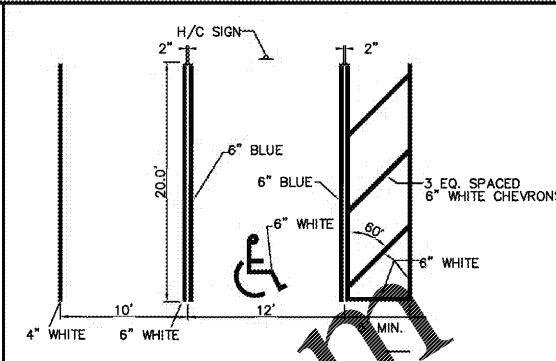
1. STONE - USE COARSE AGGREGATE (2 - 3 INCH STONE)
2. LENGTH - AS EFFECTIVE, BUT NOT LESS THAN 50 FEET.
3. THICKNESS - NOT LESS THAN EIGHT (8) INCHES.
4. WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
5. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE THROUGH USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS.
6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
7. 12" X 24" METAL GRATE MAY BE USED. GRATE SHALL BE 25' AWAY FROM PAVEMENT AND APPROPRIATE SEDIMENT CONTROL TRAPPING DEVICE SHALL BE USED AT GRATE OUTLET POINT.



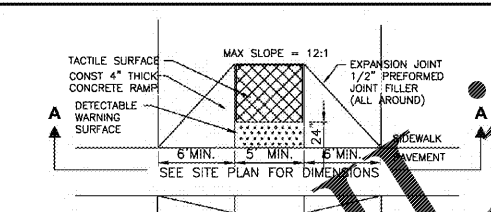
HANDICAP SIGN DETAIL
SCALE = NTS



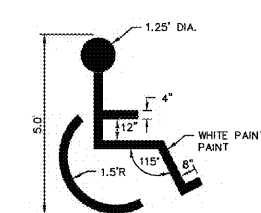
STOP BAR DETAIL WITH SIGNAGE



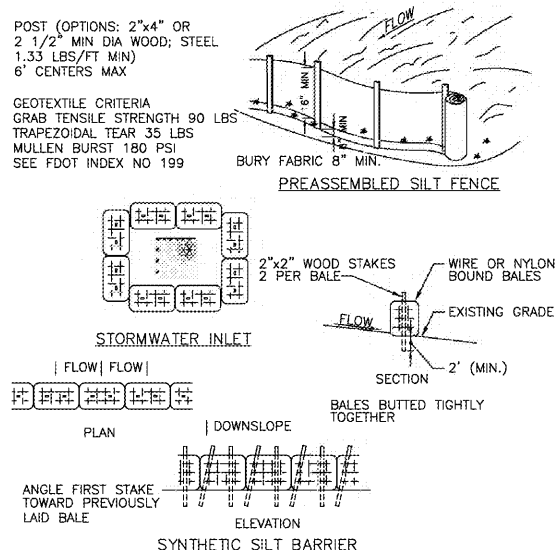
ADA PARKING STALL DETAIL
(NOT TO SCALE)



HANDICAPPED RAMP
SCALE = NTS



HANDICAP PAVEMENT SYMBOL DETAIL
SCALE = NTS



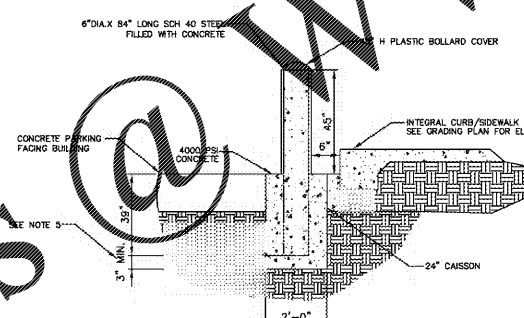
EROSION CONTROL/WATER QUALITY MANAGEMENT PRACTICES

1. THE CONTRACTOR MUST SELECT, IMPLEMENT, AND OPERATE ALL EROSION AND SEDIMENT MEASURES REQUIRED TO RETAIN SEDIMENT ON-SITE AND TO PREVENT VIOLATIONS OF WATER QUALITY STANDARD AS SPECIFIED IN CHAPTERS 17-301, 17-302, 17-4, F.A.C. THE CONTRACTOR IS ENCOURAGED TO USE APPROPRIATE BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROLS AS DESCRIBED IN THE FLORIDA LAND DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT (DER, 1988)
2. THE CONTRACTOR SHALL CONTROL TURBID RUNOFF FROM THE PROPOSED PROJECT BY ROUTING AND TREATING THE PROPOSED RETENTION AREAS IMMEDIATELY FOLLOWING CLEARING AND GRADING OPERATIONS. ALL DEWATERING DISCHARGE SHALL BE DIRECTED TO A DRAINAGE CANAL OR TO A DRAINAGE POND TO DISCHARGE OFF-SITE.
3. THE CONTRACTOR SHALL INSTALL WATER QUALITY CONTROL DEVICES ALONG THE SITE PERIMETERS DESIGNATED ON THESE PLANS. THE CONTRACTOR SHALL HAVE THE ENGINEER'S APPROVAL OF THE INSTALLATION PRIOR TO ANY OTHER SITE CONSTRUCTION.
4. ALL EROSION CONTROL/WATER QUALITY DEVICES SHALL BE IN ACCORDANCE WITH SECTION 104 OF THE LATEST EDITION OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. SILT FENCES, SYNTHETIC SILT BARRIERS AND/OR VEGETATIVE BARRIERS SHALL BE INSTALLED AT ALL OFF-SITE DISCHARGE POINTS. ALL EROSION CONTROL/WATER QUALITY DEVICES SHALL BE LEFT IN PLACE UNTIL THE DISTURBED AREAS ARE COMPLETELY STABILIZED AND/OR VEGETATED.
5. THE CONTRACTOR SHALL MAINTAIN ADEQUATE SOIL MOISTURE TO PREVENT WIND GENERATED SOIL EROSION. ALL SURFACES 30 OR MORE DAYS SHALL BE VEGETATED WITH A TEMPORARY OR PERMANENT COVER.
6. REFER TO FDOT SPECIFICATIONS, SECTION 104 FOR EROSION CONTROL STANDARDS.

EROSION CONTROL DETAIL
SCALE = NTS

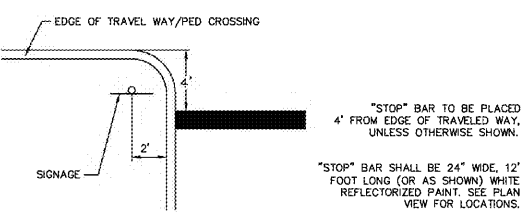
NOTES:

1. CONCRETE MUST BE MINIMUM 4,000 PSI COMPRESSIVE STRENGTH WITH FIBER MESH REINFORCEMENT
2. PROVIDE PLASTIC BOLLARD COVER. COVER TO BE IDEALSHIELD (OR APPROVED EQUAL) 1/2" THICK BROWN (PO-440C), 6" PIPE FITMENT, WITH DOME TOP, 46" TALL.
3. DESIGN PARAMETERS:
• 20 MPH
• 5,000 LB VEHICLE
4. USE SONOTUBE IN SANDY OR OTHER SOILS THAT MIGHT CAVE IN.
5. INCREASE DEPTH OF CAISSON BELOW PIPE TO MEET LOCAL JURISDICTION MIN. FROST DEPTH REQUIREMENT. PIPE CAN STAY AT 39" BELOW PAVEMENT.
6. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY NO UTILITY CONFLICTS EXIST WHERE BOLLARDS TO BE INSTALLED. NOTIFY ENGINEER RECORD OF ANY CONFLICTS AWAY FROM WRITTEN INSTRUCTIONS PRIOR TO INSTALLATION.

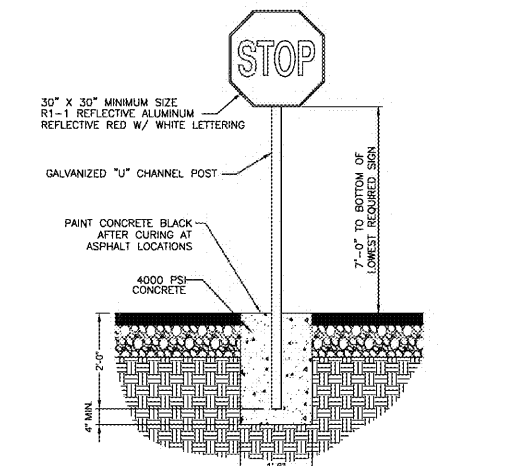


DEEP MOUNT BOLLARD - NEW PAVEMENT FOR ALL PARKING SPACES FACING BUILDING

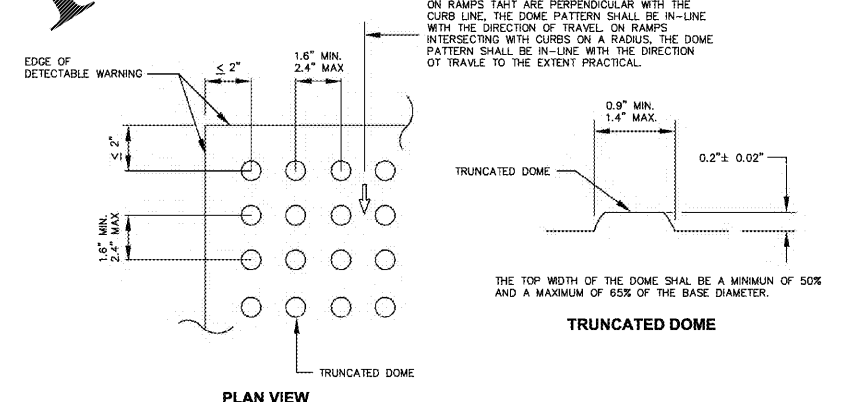
SCALE = NTS



STOP BAR DETAIL WITH SIGNAGE
SCALE = NTS



STOP SIGN DETAIL

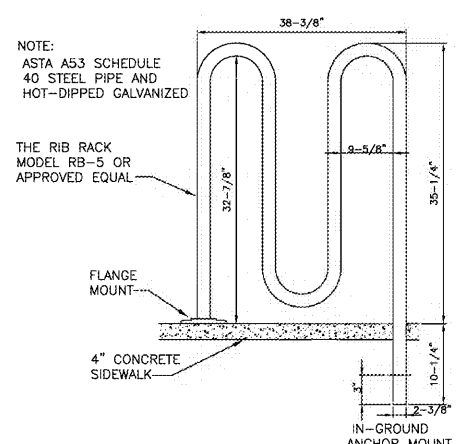


PLAN VIEW

TRUNCATED DOME

ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24" (6" MIN) FROM THE BACK OF CURB.

CURB RAMP DETECTABLE WARNING DETAIL



BICYCLE RACK DETAILS

SIGN, PARKING & EROSION CONTROL DETAILS
7 ELEVEN @ VOLUSIA AVE. AND RHODE ISLAND AVE.
ORANGE CITY, FLORIDA
RKM DEVELOPMENT

Engineering Consultants
PO Box 450006 • Kissimmee, Florida 34745
Phone: (407) 738-1979 Fax: (407) 348-7532

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SHEET NUMBER
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