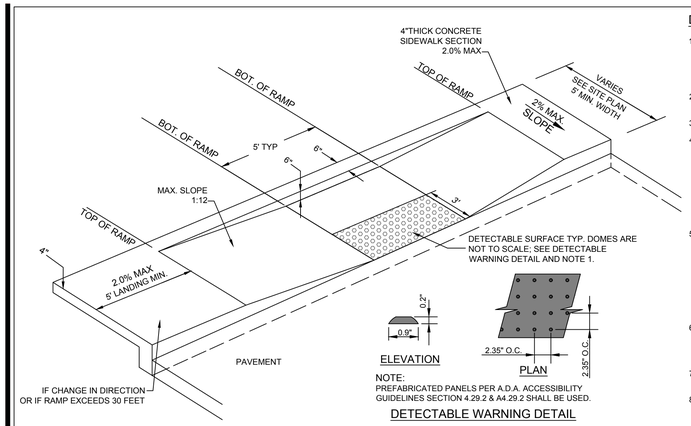


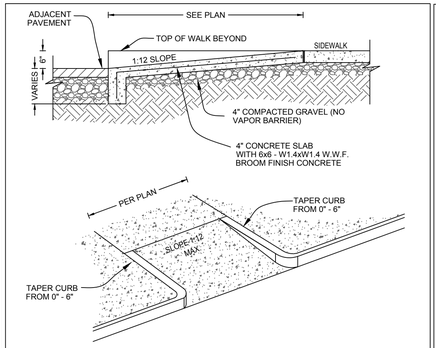
NOTE:
PREFABRICATED PANELS PER A.D.A. ACCESSIBILITY GUIDELINES SECTION 4.29.2 & A4.29.2 SHALL BE USED.

DETECTABLE WARNING DETAIL

DETAIL NOTES:

1. THE SURFACE OF RAMP SHALL HAVE DETECTABLE WARNINGS AS SHOWN. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES. SEE DETECTABLE WARNINGS DETAIL.
2. CONSTRUCT PER A.D.A. STANDARDS AND FLORIDA BUILDING CODE STANDARDS.
3. REFER TO PLANS FOR ADJACENT SLOPES.
4. THE CROSS SLOPE OF THE RAMP SURFACE SHALL BE NO GREATER THAN 1.5 %. SHOULD THE CROSS SLOPE EXCEED 2% THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING THE SIDEWALK AND CURB RAMP AS NECESSARY TO CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITY ACT AND THE FLORIDA BUILDING CODE.
5. THE LONGITUDINAL SLOPE OF THE RAMP SURFACE SHALL BE NO GREATER THAN 8.33%. SHOULD THE LONGITUDINAL SLOPE EXCEED 8.33%, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING THE SIDEWALK AND CURB RAMP AS NECESSARY TO CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITY ACT AND THE FLORIDA BUILDING CODE.
6. ALL HANDICAP RAMPS TO BE CONSTRUCTED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE FLORIDA ACCESSIBILITY CODE.
7. SEE DETAIL FOR DETECTABLE WARNING LOCATION, TYPE, AND EXTENTS.
8. ALL RAMPS OUTSIDE THE PROPERTY SHALL CONFORM TO THE STANDARDS OF THE GOVERNING REGULATING AGENCY.

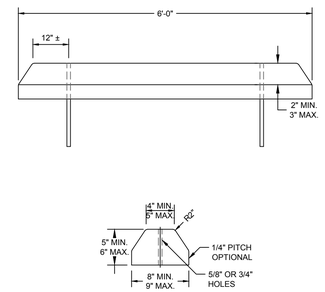
COMMERCIAL PROPERTY - ADA RAMP DETAIL



NOTES:

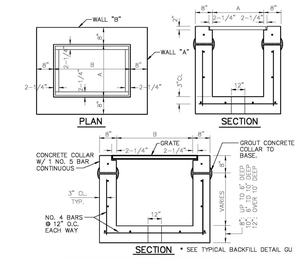
1. THE SURFACE OF EACH CURB RAMP AND ITS FLARED SIDES SHALL BE STABLE, FIRM AND SLIP-RESISTANT AND SHALL BE OF CONTRASTING FINISH FROM THAT OF THE ADJACENT SIDEWALK.

CURB RAMP IN SIDEWALK



DETAIL NOTES:
1. ULTIMATE STRENGTH OF CONCRETE FOR WHEEL STOPS SHALL BE 2,500 P.S.I. @ 28 DAYS.

WHEEL STOP DETAIL



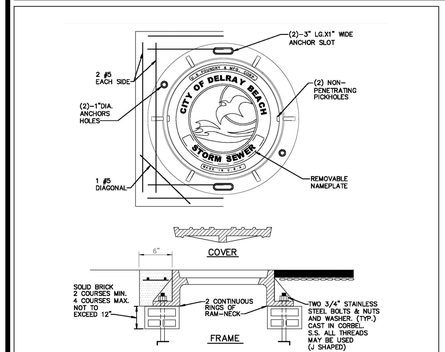
* SEE TYPICAL BACKFILL DETAIL GU

INLET TYPE	DIMENSIONS A	DIMENSIONS B	GRATE TYPE	MAX. PIPE SIZE WALL A	MAX. PIPE SIZE WALL B
'C'	2'0"	3'1"	U.S. FOUNDRY NO. 6212	15" R.C.P.	24" R.C.P.
'E'	3'0"	4'6"	U.S. FOUNDRY NO. 6290	24" R.C.P.	36" R.C.P.

NOTES:
1. INLET TO BE PRECAST WITH CLASS 'A' 4000 P.S.I. CONCRETE.
2. ALL EXPOSED CORNERS AND EDGES TO BE CHAMFERED 3/4".
3. 12" DIA. WEEP HOLE REQUIRED ON ALL STRUCTURES WHICH HAVE A BOTTOM ELEVATION ABOVE THE WATER TABLE EXCEPT IN WELLFIELDS.
4. 18" SUMP REQUIRED IN ALL DRAINAGE STRUCTURES.
5. SEE BEDDING DETAIL D 3.1
6. ALL STRUCTURES TO BE 4 SIDED ANGLE SHOULDERS.

CITY of DELRAY BEACH ENVIRONMENTAL SERVICES DEPARTMENT 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444 | TYPE C & E INLET DETAIL | REV. C

INLET DETAIL

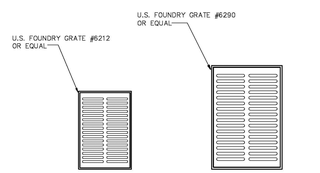


NOTES:
1. COLLAR IS REQUIRED ONLY WHEN MANHOLE IS OUT OF PAVEMENT.
2. FRAME AND COVER SHALL BE U.S. FOUNDRY MR-ORS AND RING SHALL BE USF 576
3. MANHOLE ADJUSTING RINGS SHALL BE CAST IRON, USF TYPE B.
4. CITY LOGO LID TO BE USED ON CITY MAINTAINED STORM SEWER ONLY. STANDARD NO. 576BH IS TO BE USED ON PRIVATELY MAINTAINED STORM SEWER.

CITY of DELRAY BEACH ENVIRONMENTAL SERVICES DEPARTMENT 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444 | STORM SEWER MANHOLE FRAME & COVER | REV. 06-27-2018 | D 1.1

STORM SEWER MANHOLE FRAME AND COVER

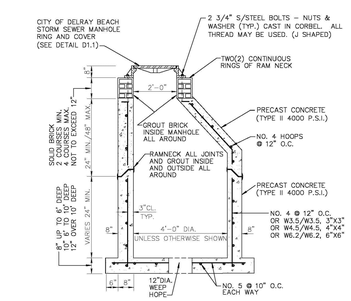
INLET TYPE	DIMENSIONS A	DIMENSIONS B	GRATE TYPE	MAX. PIPE SIZE WALL A	MAX. PIPE SIZE WALL B
'C'	2'-0"	3'-1"	U.S. FOUNDRY No. 6212	15" R.C.P.	24" R.C.P.
'E'	3'-0"	4'-5"	U.S. FOUNDRY No. 6290	24" R.C.P.	36" R.C.P.



NOTES:
1. ALL GRATES SHALL BE SUITABLE FOR H-20 LOADING (HIGHWAY TRAFFIC LOADS)
2. WHEN INSTALLED IN PAVEMENT OR WITHIN 6" OF PAVEMENT USE U.S.F. 4160-6210

CITY of DELRAY BEACH ENVIRONMENTAL SERVICES DEPARTMENT 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444 | TYPE C & E INLET GRATE DETAIL | REV. 06-30-2008 | D 6.1

INLET GRATE DETAIL

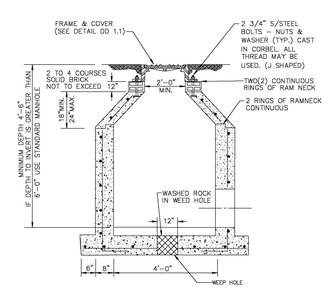


* SEE TYPICAL BACKFILL DETAIL GU 2.1

NOTES:
1. FOR PIPES UP TO 36" R.C.P.
2. 12" DIA. WEEP HOLE REQUIRED ON ALL STRUCTURES WHICH HAVE BOTTOM ELEVATIONS ABOVE THE WATER TABLE. HARDWARE CLOTH SHALL BE PROVIDED ABOVE BEDDING ROCK AND UNDER WEEP HOLE. EXCEPT IN WELL FIELDS.
3. 18" SUMP REQUIRED ON ALL STRUCTURES.
4. IF THE STRUCTURE IS INSTALLED IN WATER TABLE MUST HAVE BEDDING. (SEE DETAIL BEDDING D 3.1)

CITY of DELRAY BEACH ENVIRONMENTAL SERVICES DEPARTMENT 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444 | STORM SEWER MANHOLE | REV. 06-27-2018 | D 2.1a

STANDARD MANHOLE

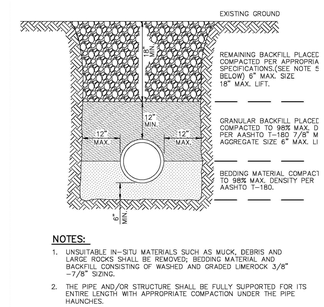


* SEE TYPICAL BACKFILL DETAIL GU 2.1

NOTE:
1. ALL STANDARD MANHOLE NOTES AND DETAILS ARE APPLICABLE. (SEE DETAIL D 2.1a)
2. IF THE STRUCTURE IS INSTALLED IN WATER TABLE MUST HAVE BEDDING. (SEE DETAIL BEDDING D 3.1)

CITY of DELRAY BEACH ENVIRONMENTAL SERVICES DEPARTMENT 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444 | SHALLOW MANHOLE | REV. 06-18-2008 | D 2.1b

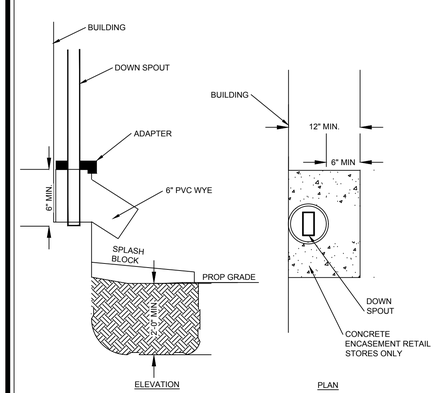
SHALLOW MANHOLE



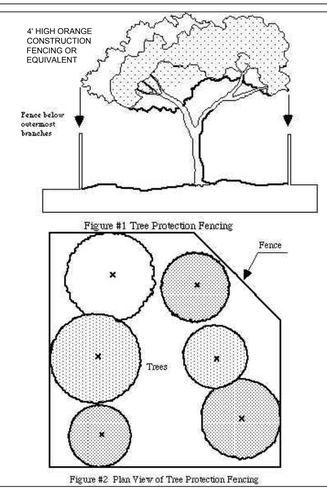
NOTES:
1. UNSUITABLE IN-SITU MATERIALS SUCH AS MUCK, DEBRIS AND LARGE ROCKS SHALL BE REMOVED; BEDDING MATERIAL AND BACKFILL CONSISTING OF WASHED AND GRADED LIMEROCK 3/8" -7/8" SZING.
2. THE PIPE AND/OR STRUCTURE SHALL BE FULLY SUPPORTED FOR ITS ENTIRE LENGTH WITH APPROPRIATE COMPACTION UNDER THE PIPE HAUNCHES.
3. THE PIPE AND/OR STRUCTURE SHALL BE PLACED IN A DRY TRENCH.
4. BACKFILL SHALL BE FREE OF UNSUITABLE MATERIAL SUCH AS LARGE ROCK, MUCK, AND DEBRIS.
5. COMPACT BACKFILL TO 98% DENSITY UNDER PAVEMENT AND TO 95% DENSITY ELSEWHERE.(AASHTO T-180)
6. COMPACTION AND DENSITY TESTS SHALL BE COMPLETED DURING BACKFILL OPERATIONS, CONTRACTORS NOT FOLLOWING THIS PROCEDURE, FOR WHATEVER REASONS, SHALL BE REQUIRED TO RE-EXCAVATE THE AREA IN QUESTION, DOWN TO THE BEDDING MATERIAL, THEN BACKFILL FOLLOWING THE ABOVE PROCEDURES.

CITY of DELRAY BEACH ENVIRONMENTAL SERVICES DEPARTMENT 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444 | TYPICAL BACKFILL DETAIL | REV. G

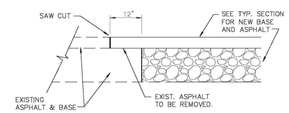
BACKFILL DETAIL



SPLASH BLOCK DETAIL

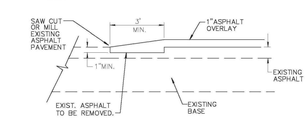


TREE PROTECTION DETAIL



NEW CONSTRUCTION PAVEMENT JOINT

NOTE:
THIS METHOD OF PAVEMENT JOINT SHALL BE USED FOR ANY APPLICATION OR CONSTRUCTION WHERE PROPOSED PAVEMENT AND BASE WILL BE CONNECTED TO EXISTING PAVEMENT AND BASE.



NEW OVERLAY PAVEMENT JOINT

NOTE:
THIS METHOD OF PAVEMENT JOINT SHALL BE USED FOR ANY APPLICATION OR CONSTRUCTION WHERE PROPOSED PAVEMENT WILL BE CONNECTED TO EXISTING PAVEMENT.

CITY of DELRAY BEACH ENVIRONMENTAL SERVICES DEPARTMENT 434 SOUTH SWINTON AVENUE, DELRAY BEACH, FLORIDA 33444 | PAVEMENT JOINT | REV. 03-30-2018 | RT 7.1

MILL AND OVERLAY DETAIL

CKE GROUP INCORPORATED
engineering • architecture • planning
15500 NEW BARN ROAD
SUITE 106
MIAMI LAKES , FLORIDA 33014
PHONE: (305) 558-4124
FAX: (305) 826-0619
EB#0004432

SEAL
EDUARDO L. CARCACHE
CIVIL ENGINEER-PE 31914
ANA A. GONZALEZ VALDEZ
ARCHITECT-AR 97769

NO.	DATE	DESCRIPTION
1	03-02-18	

CONTRACT DATE:	---------
BUILDING TYPE:	CUSTOM
PLAN VERSION:	1
SITE NUMBER:	309797
STORE NUMBER:	420630

TACO BELL
5070 W. Atlantic. Blvd.
Delray Bch., FL

T-40
OPEN KITCHEN
DELRAY BEACH SOL

CONSTRUCTION DETAILS

CD-3

PLOT DATE: 07-26-2018