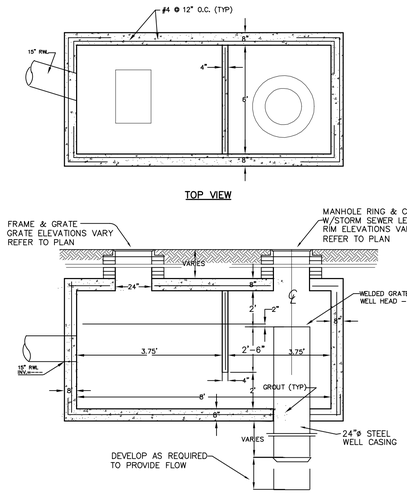
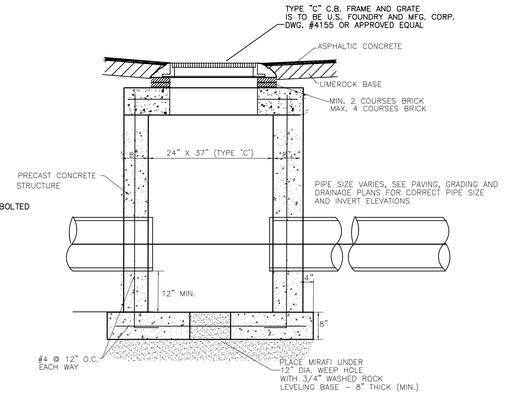


TYPICAL RETENTION TANK AND DISPOSAL WELL

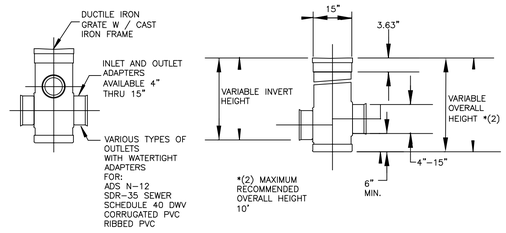
NTS



CATCH BASIN DETAIL

N.T.S.

NOTES:
1. CATCH BASIN TO BE CONSTRUCTED PER D.O.T. SPECIFICATIONS
2. CONCRETE SHALL BE 4,000 P.S.I. MINIMUM
3. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS INDICATING TYPE OF BASIN TO BE USED AT EACH LOCATION.

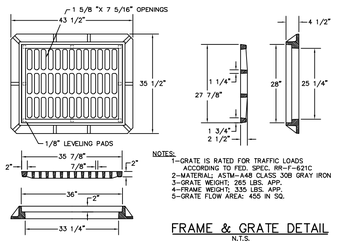


15" DRAIN BASIN DETAIL

NYLOPLAST-ADS DRAIN BASIN OR EQUAL

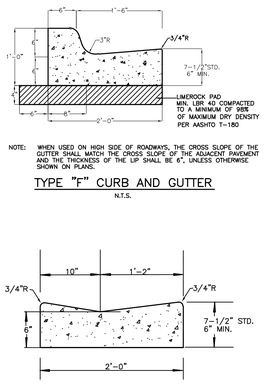
GENERAL NOTES:

1. ALL MUCK UNDER THE PROPOSED DRIVEWAY AND PARKING AREAS SHALL BE REMOVED AND REPLACED WITH COMPACTED ACCEPTABLE FILL IN ONE FOOT LIFTS TO 98 PERCENT DENSITY.
2. ALL MATERIAL, INSTALLATION, TESTING AND SPECIFICATIONS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF POMPANO BEACH STANDARDS AND THE GOVERNING, PERMITTING AND LICENSING AGENCIES WHERE APPLICABLE.
3. ALL UNDERGOUND UTILITIES AND DRAINAGE IS TO BE INSTALLED BEFORE SUBGRADE IS CONSTRUCTION.
4. ALL DRAINAGE PIPE SHALL BE CORRUGATED POLYETHYLENE, UNLESS OTHERWISE NOTED.
5. ALL ELEVATIONS REFER TO N.G.V.D., NATIONAL GEODETIC VERTICAL DATUM.
6. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO SAFEGUARD ALL EXISTING STRUCTURES AND UTILITIES, ANY DAMAGE DONE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE SUBJECT UTILITY. CALL "SUNSHINE" (1-800-432-4770) 48 HOURS BEFORE DIGGING.
7. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. ALL INSTALLATIONS SHALL BE MADE IN SUCH A MANNER AS NOT TO INTERFERE WITH EXISTING OR NEW UTILITIES, DRAINAGE, OR ROADWAY CONSTRUCTION.
8. BENCHMARK ELEVATION TO BE ESTABLISHED PRIOR TO FINAL INSPECTION OF THE DRAINAGE SYSTEM.
9. LOCATION OF EXISTING UNDERGROUND UTILITIES HAS BEEN PREPARED FROM THE MOST RELIABLE INFORMATION AVAILABLE TO THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY LOCATION AND DEPTH OF ALL PERTINENT UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
10. EXCAVATION SHALL BE SLOPED OR OTHERWISE SUPPORTED IN A SAFE MANNER IN ACCORDANCE WITH APPLICABLE STATE SAFETY REQUIREMENTS AND REQUIREMENTS OF OSHA SAFETY AND HEALTH STANDARD FOR CONSTRUCTION (29 CFR 1926).
11. PRIOR TO THEIR CONSTRUCTION OR INSTALLATION, SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD FOR THE FOLLOWING: STORM MANHOLES, CATCHBASINS, FIRE HYDRANTS, VALVES, PIPE MATERIAL AND ALL REQUIRED ACCESSORIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL OTHER AGENCY APPROVALS, IF REQUIRED.
12. UPON COMPLETION OF EACH SECTION OF DRAINAGE SYSTEM, THE SECTION IS TO BE CLEANED AND INSPECTED. INSPECTION SHALL BE PERFORMED BY LAMPING EACH SECTION BETWEEN STRUCTURES. EXAMINATION FROM EITHER END, SHALL SHOW A FULL CIRCLE OF LIGHT. ALL REPAIRS SHOWN NECESSARY BY THE INSPECTION ARE TO BE MADE; COLLAPSED PIPE REPLACED. ALL DEPOSITS REMOVED AND THE DRAIN LINE LEFT TRUE TO LINE AND GRADE, ENTIRELY CLEAN AND READY TO USE.
13. RECORD INFORMATION (AS-BUILTS) CERTIFIED BY A PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA SHALL BE SUBMITTED TO THE ENGINEER OF RECORD PRIOR TO FINAL ACCEPTANCE OF THE SYSTEM. RECORD INFORMATION TO BE PAID FOR BY THE CONTRACTOR.



FRAME & GRATE DETAIL

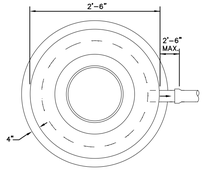
N.T.S.



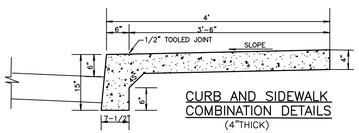
NOTE: WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

TYPE "F" CURB AND GUTTER

N.T.S.



PLAN



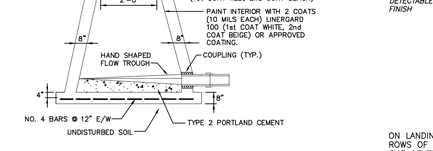
CURB AND SIDEWALK COMBINATION DETAILS

(4"THICK)
(6"THICK)

NOTE: WHEN USED ON HIGH SIDE OF ROADWAYS, THE CROSS SLOPE OF THE GUTTER SHALL MATCH THE CROSS SLOPE OF THE ADJACENT PAVEMENT AND THE THICKNESS OF THE LIP SHALL BE 6", UNLESS OTHERWISE SHOWN ON PLANS.

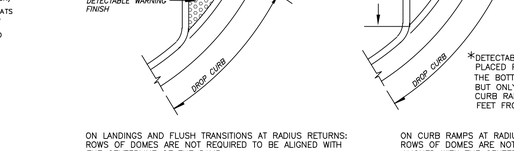
2' VALLEY GUTTER DETAIL

N.T.S.



SHALLOW TYPE MANHOLE

TO BE USED WHERE DEPTH IS LESS THAN 4 FEET



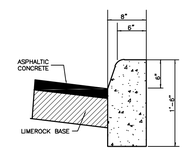
ON LANDINGS AND FLUSH TRANSITIONS AT RADIUS RETURNS: ROWS OF DOMES ARE NOT REQUIRED TO BE ALIGNED WITH THE CENTERLINE OF THE RAMP.

ON CURB RAMPS AT RADIUS RETURNS: ROWS OF DOMES ARE NOT REQUIRED TO BE ALIGNED WITH THE CENTERLINE OF THE RAMP.

*DETECTABLE WARNINGS MAY BE PLACED PERPENDICULAR ACROSS THE BOTTOM OF THE CURB RAMP, BUT ONLY IF THE BOTTOM OF THE CURB RAMP IS NO MOR THE 5 FEET FROM THE BACK OF CURB.

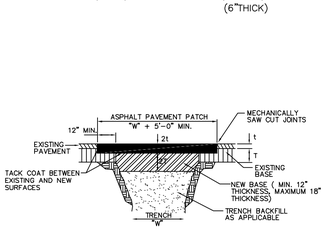
TYPICAL PLACEMENT OF DETECTABLE WARNING AT CURB RAMPS

REFER TO FDOT INDEX 304 FOR ADDITIONAL DETAIL & SPECIFICATIONS
N.T.S.

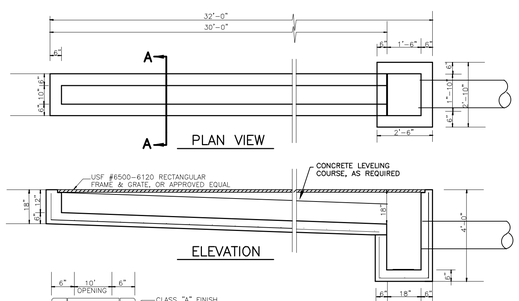


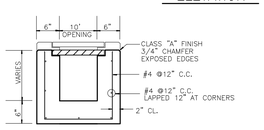
TYPE "D" CURB DETAIL

N.T.S.



PERPENDICULAR ROAD CROSSINGS (TYPE II)



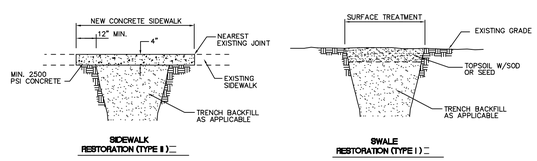


SECTION A-A

4000 PSI CONCRETE @ 28 DAYS
TYPE II CONCRETE

TRENCH DRAIN W/ CATCH BASIN DETAIL

N.T.S.

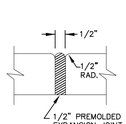


SIDEWALK RESTORATION (TYPE I)

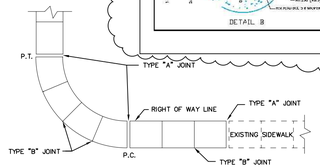
SWALE RESTORATION (TYPE I)

SURFACE RESTORATION

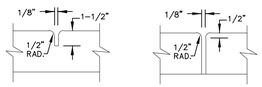
TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
"A"	JOINT SHALL BE PLACED AT P.C. AND P.T. OF CURVES, JUNCTION OF EXISTING SIDEWALKS, EVERY 60' ON NEW SIDEWALKS AND WHERE SIDEWALKS ABUT CONCRETE CURBS, DRIVEWAYS AND SIMILAR STRUCTURES.
"B"	JOINT SHALL BE PLACED 5'-0" CENTER
"C"	JOINT SHALL BE PLACED AT 20' INTERVALS



TYPE "A" JOINT



PLAN

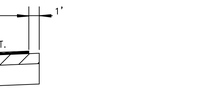


TYPE "B" JOINT

TYPE "C" JOINT

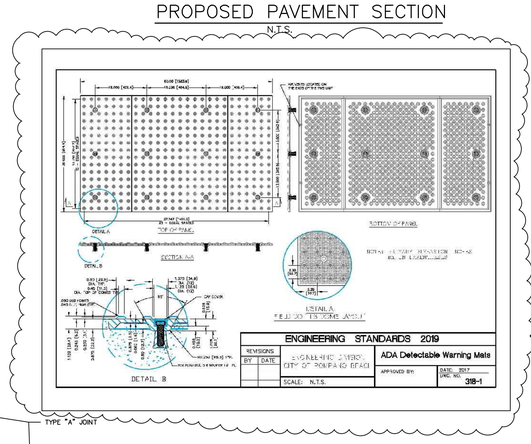
NOTE: SIDEWALK SHALL BE 4" THICK EXCEPT IN DRIVEWAYS WHERE THE THICKNESS SHALL BE 6".

SIDEWALK DETAILS



PROPOSED PAVEMENT SECTION

N.T.S.



CONCRETE STRENGTH SHALL BE A MINIMUM OF 2500 P.S.I.

Neal B. Janov, State of Florida, Professional Engineer, License No. 21998. This item has been digitally signed and sealed by Neal B. Janov, P.E. on July 17, 2020 using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Neal B Janov

Digitally s... Neal B Jan... Date: 2020.07.17 12:01:25 -...00'

NEAL B. JANOV #21998

P&Z
PZ20-12000005
2/24/2021

DIVERSIFIED CONSTRUCTION & ENGINEERING SERVICES
DCES
2295 N.W. CORPORATE BLVD., #125 BOCA RATON, FL 33431
561-750-3717 FAX 561-750-3686
EB #6459

REVISIONS	DATE:	DWN.:	CHK.:
1. REVISED PER DRC COMMENTS	06-25-20	M.A.	
2.			
3.			
4.			
5.			
6.			
7.			
8.			

ATLANTIC 3350 LLCR
3350 ATLANTIC BOULEVARD
POMPANO BEACH, FLORIDA
PAVING, GRADING & DRAINAGE DETAILS

DCES
SCALE: NONE
DATE: 10-22-14
DWN. BY: M.K.
CHK. BY: N.B.J.

JOB NO.: 700108

SHEET 2 OF 6