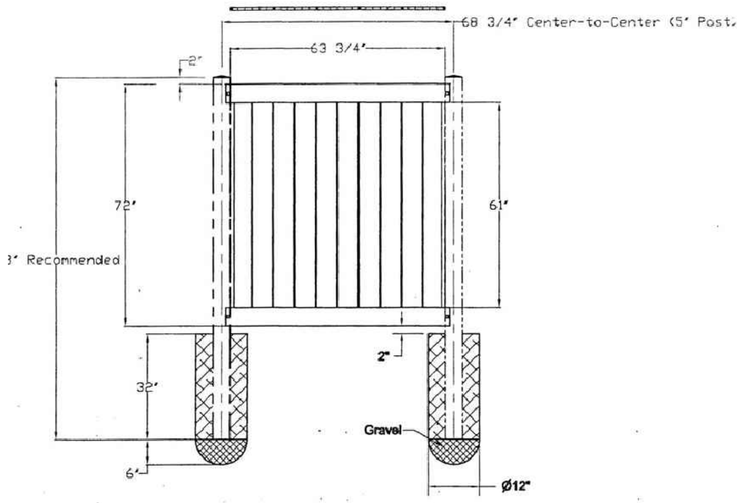
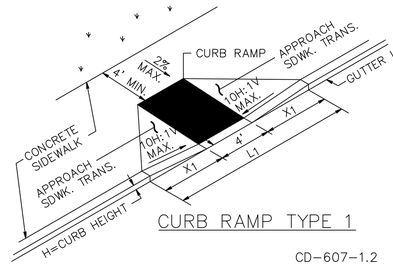


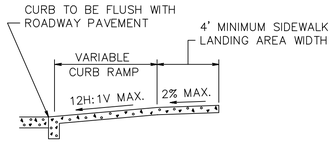
PRIVACY FENCE DETAIL

N.T.S.



CURB RAMP TYPE 1

CD-607-1.2

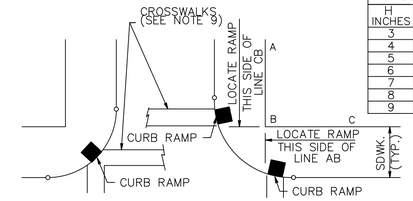


SECTION THROUGH CURB RAMPS 1 THROUGH 6

GENERAL NOTES:

1. LANDING AREA, APPROACH SIDEWALK TRANSITIONS, AND CURB RAMP SHALL BE KEPT CLEAR OF OBSTRUCTIONS.
2. DIMENSIONS SHOWN IN TABLES ARE FOR RELATIVELY FLAT SIDEWALK AREAS. CARE SHOULD BE TAKEN WHEN DETERMINING CURB RAMP SIZE BASED ON CURB HEIGHT (H) WHERE ELEVATION OF CURB AND SIDEWALK VARY DRASTICALLY IN AREA OF PROPOSED CURB RAMP.
3. CURB (DROPPED CURB) GUTTERLINE TO BE FLUSH WITH ROADWAY PAVEMENT A MINIMUM OF 4 FEET AT ALL CURB RAMPS.
4. FOR CURB RAMP TYPES 5 AND 6, IF A GRASS BUFFER DOES NOT EXIST, SLOPE CURB TO EQUAL SLOPE OF ADJACENT CURB RAMP.
5. SIDEWALK AND CURB RAMP WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS CONCRETE SIDEWALK OF THE APPROPRIATE ADJACENT THICKNESS.
6. CURB AND HEADER WITHIN AREA ENCLOSED BY HEAVY LINES TO BE PAID FOR AS VERTICAL CURB OR SLOPING CURB OF THE APPROPRIATE ADJACENT SIZE AND KIND.
7. WHERE THE DISTANCE FROM THE GUTTER LINE TO THE OUTSIDE EDGE OF SIDEWALK IS 6 FEET OR LESS, CURB RAMP TYPE 7 SHOULD BE USED, INSTEAD OF CURB RAMP TYPE 1 THROUGH 4.
8. THE PUBLIC SIDEWALK CURB RAMP, DETECTABLE WARNING SURFACE (SHADED AREA) SHALL BE SAFETY RED COLOR ON CONCRETE OR 70% COLOR CONTRAST FOR OTHER SURFACE SUCH AS BRICK.
9. CROSSWALKS AND STOP LINES MAY BE MARKED OR UNMARKED, SEE PLANS.
10. PREFERRED AND ALTERNATE TREATMENTS SHOULD NOT BE INTERMIXED WITHIN THE SAME INTERSECTION.
11. DIMENSIONS SHOWN IN TABLES ARE FOR 3 INCH TO 9 INCH CURB HEIGHTS. WHERE THE CURB HEIGHTS ARE OTHER THAN WHAT IS PROVIDED IN THE TABLES, THE DIMENSIONS OF THE RAMPS WILL HAVE TO BE CALCULATED BASED ON CROSS SLOPES SHOWN.

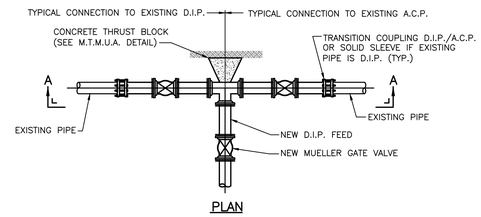
CURB RAMP TYPE 1			
H INCHES	X1 FEET	L1 FEET	W FEET
3	2.5	9.0	3
4	3.3	10.6	4
5	4.2	12.4	5
6	5.0	14.0	6
7	5.8	15.6	7
8	6.7	17.4	8
9	7.5	19.0	9



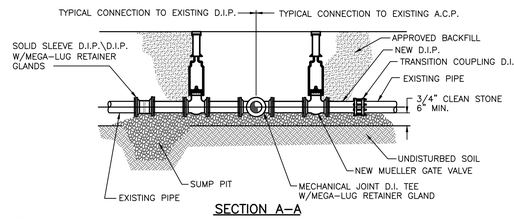
ALTERNATE TREATMENT (SEE NOTE 10)

PREFERRED TREATMENT (SEE NOTE 10)

LOCATION OF CURB RAMP TYPES 1, 2, 3, 4 & 7 FOR CROSSING PARALLEL AND PERPENDICULAR TO HIGHWAY



PLAN



SECTION A-A

NOTES:

- **1. CONTRACTOR TO DIG TEST PITS TO DETERMINE THE SIZE AND TYPE OF THE EXISTING PIPE.**
2. PRIOR TO CUTTING INTO THE EXISTING MAIN A SUMP PUMP SHALL BE INSTALLED IN THE EXCAVATED AREA TO REMOVE WASTED WATER FROM THE TRENCH.
3. MEGA-LUG RETAINER GLANDS SHALL BE USED ON ALL MECHANICAL JOINT CONNECTIONS.
4. THE ROAD AT THE CUT-IN LOCATION SHALL BE RESTORED TO MATCH EXISTING.
5. NO TRENCH SHALL REMAIN OPEN OVERNIGHT. ALL EXCAVATIONS SHALL BE BACKFILLED PRIOR TO THE CLOSE OF THE DAY.
6. NEW PIPING SHALL BE KEPT FREE AND CLEAR FROM DIRT AT INSTALLATION. RINSE PIPE/FITTINGS/VALVES WITH A CHLORINE SOLUTION PRIOR TO INSTALLATION.
6. NO VALVES SHALL BE OPENNED OR CLOSED EXCEPT BY M.T.M.U.A.

DUCTILE IRON PIPE

NOM. SIZE	ALL CLASSES
INCHES	O.D. INCHES
3	3.80
4	4.80
6	6.90
8	9.05
10	11.10
12	13.20
14	15.30
16	17.40
18	19.50
20	21.60
24	25.80
30	32.00
36	38.30

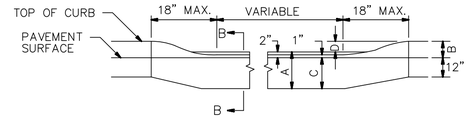
ASBESTOS CEMENT PIPE

NOM. SIZE	MACH. END CLASS		ROUGH BARREL CLASS		
INCHES	100	150/200	100	150	200
3	3.74	3.84	3.95	4.13	4.17
4	4.64	4.81	4.95	5.10	5.35
6	6.91		7.20		7.35
8	9.11		9.40		9.50
10	11.24	11.66	11.5	11.95	
12	13.44	13.92	13.75	14.20	
14	15.07	16.22	15.55	16.50	16.60
16	17.15	18.46	17.65	18.75	18.90

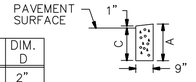
PIPE SIZE CHARTS ARE FOR REFERENCE ONLY

WATER CONNECTION DETAIL

N.T.S.



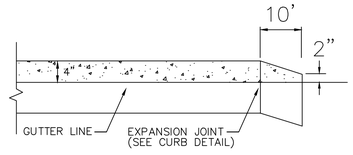
CURB SIZE	DIM. A	DIM. B	DIM. C	DIM. D
9" x 16"	16"	4"	14"	2"
9" x 18"	18"	6"	16"	4"



SECTION B-B

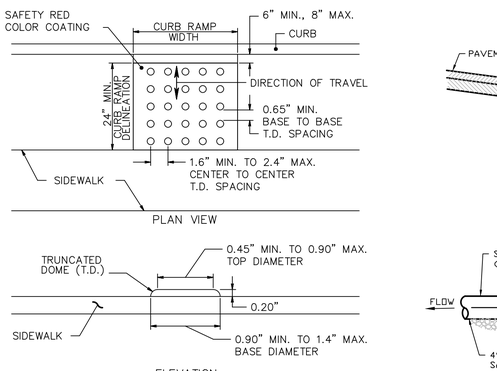
METHOD OF DEPRESSING CURB AT DRIVEWAYS

CD-605-2.4



CURB END TREATMENT DETAIL

N.T.S.



CURB MATERIAL
N.J.D.O.T. CLASS "B" CONCRETE

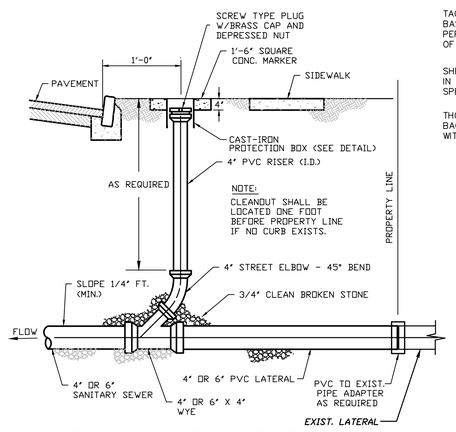
TRANSVERSE JOINTS ½" WIDE SHALL BE INSTALLED IN THE CURB 20' APART AND SHALL BE FILLED WITH PREFORMED BITUMINOUS-IMPREGNATED FIBER JOINT FILLER RECESSES ¼" IN FROM FRONT FACE AND TOP OF CURB.

CONCRETE VERTICAL CURB

N.T.S.

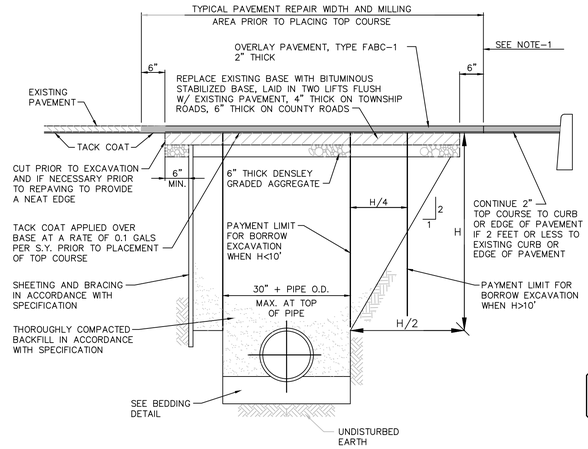
DETECTABLE WARNING SURFACE

CD-607-1.1



STANDARD CLEANOUT DETAIL

N.T.S.

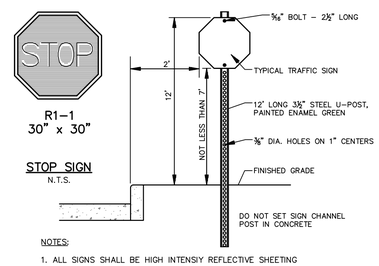


NOTES:

1. LIMIT OF PAYMENT FOR SERVICE CONNECTION, PAVING AND ADDITIONAL PAVEMENT EXCAVATION AND REPAIR.
2. MAXIMUM PAYMENT WIDTH FOR BORROW EXCAVATION SHALL BE 30" + PIPE O.D., WHEN PLACED IN A TRENCH WITH A DEPTH OF 10' OR LESS TO THE TOP OF THE PIPE. FOR TRENCHES OF GREATER DEPTH, THE MAXIMUM PAYMENT WIDTH FOR BORROW EXCAVATION SHALL BE 36" + PIPE O.D. + H/2.
3. AT MANHOLES, 6" BITUMINOUS STABILIZED BASE IS TO BE PLACED 6" BEYOND THE TRENCH LIMIT OR 6" BEYOND DAMAGED PAVEMENT BASE COURSE WHICHEVER IS GREATER.
4. SERVICE CONNECTION TRENCHES ARE TO BE REPAIRED AS ABOVE EXCEPT MINIMUM OVERLAY PAY WIDTH SHALL BE 6'.
5. ANY SUPERFICIAL SURFACE DAMAGE CAUSED BY THE CONTRACTOR OUTSIDE THE LIMIT SHOWN, SHALL BE PAVED WITH FABC-1. WHEN BASE COURSE OF EXISTING PAVEMENT IS DAMAGED BEYOND LIMIT SHOWN CONTRACTOR SHALL EXCAVATE 6" BEYOND DAMAGED AREA AND REPLACE IT WITH 6" BITUMINOUS STABILIZED BASE COURSE. NO ADDITIONAL PAYMENT WILL BE MADE FOR THIS PAVEMENT.

TRENCH AND PAVEMENT REPAIR DETAIL

N.T.S.



STOP SIGN

N.T.S.

NOTES:

1. ALL SIGNS SHALL BE HIGH INTENSIY REFLECTIVE SHEETING
2. SIGN POSTS SHALL BE 2 LBS./FT.
3. SIGN POSTS SHALL HAVE BREAKAWAY BASES.

* ILLUSTRATION NOT TO SCALE

TYPICAL SIGN POST DETAIL

N.T.S.

REV.	DATE	DESCRIPTION
2	04-08-2021	REVISED PER ENGINEERS LETTER DATED 2-4-21.
1	10-1-2020	REVISED FOR COMPLETENESS

TRE
■ Civil Engineers
■ Forensic Experts
■ Environmental Consultants
TWO RIVER ENGINEERING
www.tworivereng.com
P.O. Box 155
Colts Neck, N.J. 07722
Tel: 732.866.0111
Fax: 732.866.4348

PROJECT NO.: 19079
DATE: APRIL 8, 2020
DRAWING NO.: 19079-01A
DRAWN BY: AJG
CLIENT: PARK VALLEY
SCALE: N/A

DETAIL SHEET
"PARK VALLEY DEVELOPMENT"
PRELIMINARY & FINAL MAJOR SITE PLAN
OF
BLOCK 33
LOT 9.01
TAX MAP SHEET NO. 2
BOROUGH OF RED BANK
MONMOUTH COUNTY
NEW JERSEY

A.J. GARITO, JR.
04-08-21
DATE
N.J. Professional Engineer
License No. 24GE03799700

SHEET NO. 8 OF 8