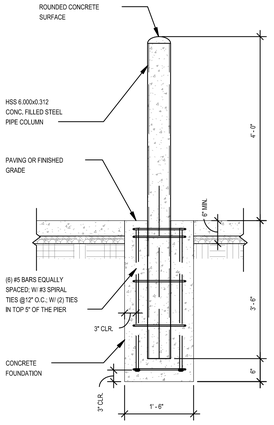
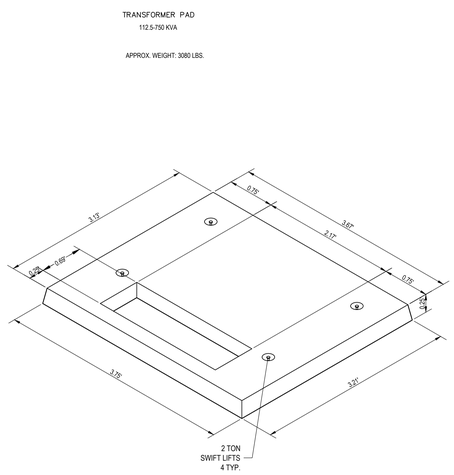


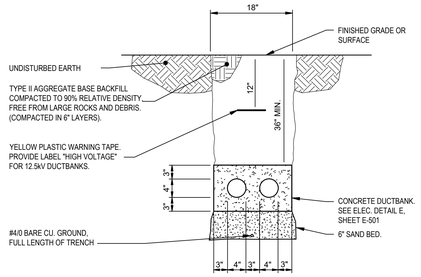
C1 PIPE BOLLARD

NOT TO SCALE



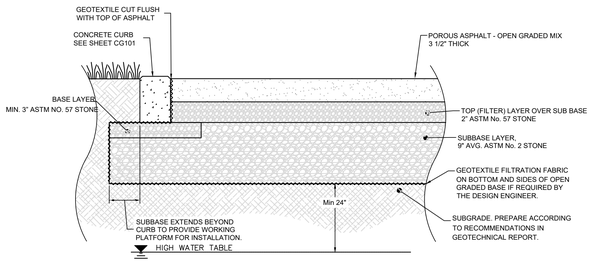
C3 PRE-CAST CONCRETE TRANSFORMER PAD

NOT TO SCALE

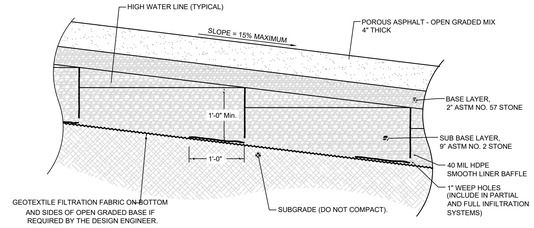


C5 CONCRETE DUCT BANK TRENCH

NOT TO SCALE



PICP PAVEMENT SECTION

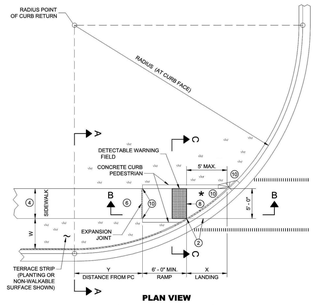


PICP W/ GEOMEMBRANE FLOW DAMS

DESIGN NOTES:
1. DEPTH OF SUBBASE SUBJECT TO SITE SPECIFIC HYDRAULIC AND STRUCTURAL REQUIREMENTS. CONTACT BELGARD COMMERCIAL FOR DESIGN ASSISTANCE.
2. PAVER DIMENSIONS SUBJECT TO ASPECT AND PLAN RATIO REQUIREMENTS BASED ON TRAFFIC LOADING.
3. GEOTECHNICAL ENGINEER NEEDS TO BALANCE STRUCTURAL STABILITY AND SOIL INFILTRATION WHEN RECOMMENDING SUBGRADE CONDITIONS.
4. WHERE THE FILTRATION GEOTEXTILE IS USED, VERIFY WITH THE MANUFACTURER THAT THE MATERIAL IS NOT SUBJECT TO CLOGGING AND MEETS REQUIREMENTS OF AASHTO M-288.
5. ASTM NO. 2 STONE MAY BE SUBSTITUTED WITH NO. 3 OR NO. 4 STONE.
6. STRICTLY PEDESTRIAN APPLICATIONS MAY SUBSTITUTE BASE/SUBBASE LAYERS WITH ONE 6" BASE LAYER OF ASTM NO. 57 STONE.

C7 POROUS PAVEMENT

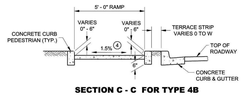
NOT TO SCALE



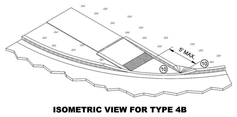
PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10⅜"	0' - 5"	2' - 1"	1' - 4⅜"	1' - 5"	2' - 1"	0' - 10"	2' - 7⅜"	0' - 3⅜"	3' - 0⅜"						
15 FEET	4' - 6⅜"	2' - 1⅜"	3' - 9"	3' - 5⅜"	3' - 1⅜"	4' - 6"	2' - 6⅜"	5' - 4⅜"	2' - 1"	6' - 1"	1' - 8"	6' - 8⅜"	1' - 3⅜"	7' - 2⅜"	0' - 10⅜"	7' - 7⅜"
20 FEET	5' - 9⅜"	3' - 6⅜"	4' - 11⅜"	5' - 1⅜"	4' - 3⅜"	6' - 5⅜"	3' - 8⅜"	7' - 7"	3' - 3"	8' - 6⅜"	2' - 10"	9' - 4⅜"	2' - 5⅜"	10' - 1⅜"	2' - 1⅜"	10' - 9"
30 FEET			6' - 9⅜"	7' - 11⅜"	6' - 0⅜"	9' - 8"	5' - 5"	11' - 1⅜"	4' - 10⅜"	12' - 5⅜"	4' - 5⅜"	13' - 7⅜"	4' - 0⅜"	14' - 8⅜"	3' - 8⅜"	15' - 8⅜"
40 FEET									6' - 1⅜"	15' - 8⅜"	5' - 8"	17' - 2"	5' - 3"	18' - 5⅜"	4' - 10⅜"	19' - 8⅜"
50 FEET															0' - 10⅜"	23' - 2"

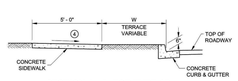
INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B



SECTION A - A FOR TYPE 4B

★ MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%, MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

③ AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

④ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

⑥ PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

⑧ PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

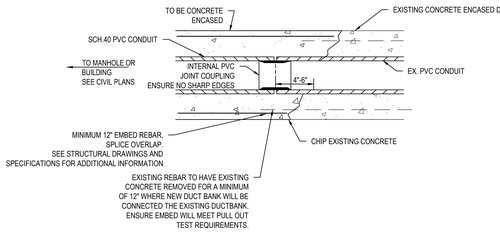
LEGEND

- X" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

F1 ACCESSIBLE RAMP 2 DETAIL

NOT TO SCALE

COUPLE -3-1/2*_
COUPLE -4*_
COUPLING OF EXISTING DUCT BANK



NOTES:
1. When a = 3.5 inches use 3-1/2 inch schedule 40 PVC duct and internal joining coupling for 3-1/2 inch I.D. duct.
2. When a=4.0 inches use 4 inch Schedule 40 PVC duct and internal joining coupling for 4 inch I.D. duct.
3. Use bell ends for 3-1/2 inch and 4 inch Schedule 40 PVC duct as required.
4. Special order Schedule 40 PVC duct and bell ends as required.
5. For split duct applications:
6. Saw cut Schedule 40 PVC duct into two halves or plate SPLT-DCT-_
7. Place around existing cable.
8. Cover saw cut joints with 2 inch wide sealing tape.
9. Band the 2 halves together using plastic straps on 2 foot centers.

REQUIRED MATERIAL: (PER DUCT)	INSTALLATION OPTIONS:
Internal joining coupling - 1 each	*C – Cold - New Construction
PVC bell end - 1 each	*H – Hot - Around existing cables
Schedule 40 PVC duct - length as required	
Plastic straps - 1 each for every 2 feet of PVC split duct.	
Sealing tape 2 inch wide - as required.	

F5 CONCRETE DUCT BANK CONNECTION TO EXISTING CONC. DUCT

NOT TO SCALE

Revisions:	Date:
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-
-	-

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STAMP

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	CIVIL DETAIL SHEET 6
Phase	ISSUED FOR CONSTRUCTION
Approved:	
Project Title	NEW COMMUNITY LIVING CENTER
Location	2094 Albany Post Road, Montrose, NY 10548
Issue Date	05/09/2022
Checked	PERKINS
Drawn	STRUBLE
Project Number	620-334
Building Number	CLC
Drawing Number	CG506

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