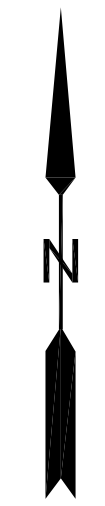


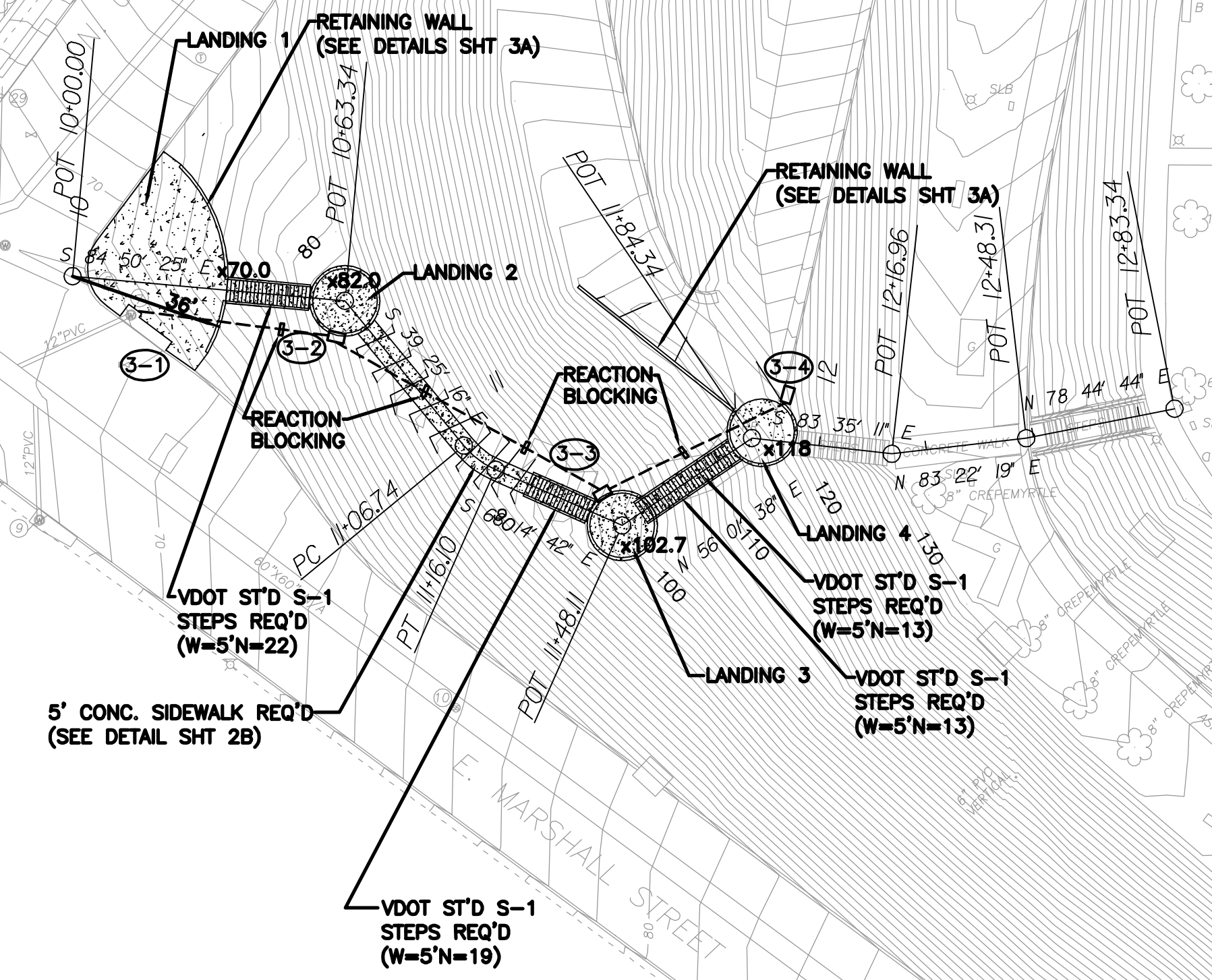
DATUM'S
HORIZONTAL: NAD 83
VERTICAL: HAVD 88



Curve 3
PI = 11+1.51
DELTA = 26° 49' 25.58" (LT)
D = 286' 28' 44"
L = 4.77'
R = 9.36'
PC = 20.00'
PT = 11+6.10

- ① SEWER MH
RM=47.95'
IN=33.35'SE
- ② SEWER MH
RM=57.62'
IN=42.22'SE
OUT=42.22'NW
- ③ SEWER MH
RM=65.25'
OUT=52.83'NW
- ④ SEWER MH
RM=67.42'
IN=54.12'SE
OUT=54.02'NW
- ⑤ SEWER MH
RM=68.09'
OUT=51.52'SW
- ⑥ SEWER CDI
N/A
- ⑦ SEWER CDI
RM=69.03'
OUT=65.53'SW
BLIND INTERSECTION
- ⑧ SEWER CDI
N/A
- ⑨ SEWER CDI
RM=67.98'
OUT=65.03'NW
BLIND INTERSECTION
- ⑩ SEWER MH
RM=75.89'
IN=61.27'SE
OUT=61.19'NW
- ⑪ SEWER MH
RM=88.14'
IN=75.34'SE
OUT=75.32'NW
- ⑫ SEWER CDI
N/A
- ⑬ SEWER CDI
RM=89.83'
OUT=85.71'NE
BLIND INTERSECTION
- ⑭ SEWER MH
RM=99.59'
IN=84.24'SE
OUT=84.22'NW
- ⑮ SEWER MH
RM=108.27'
IN=93.55'SE
- ⑯ SEWER CDI
RM=108.30'
OUT=104.10'SW
- ⑰ SEWER MH
RM=110.93'
IN=96.03'SE
OUT=96.01'NW
- ⑱ SEWER MH
RM=111.74'
IN=97.40'NE
OUT=97.43'SW
- ⑲ SEWER MH
RM=114.47'
OUT=102.57'NW
- ⑳ SEWER CDI
RM=112.67'
OUT=107.57'SW
- ㉑ SEWER MH
RM=112.04'
IN=100.09'NE
OUT=100.04'NW
- ㉒ SEWER MH
RM=112.19'
N/A
- ㉓ SEWER CDI
RM=113.25'
OUT=110.33'SE
BLIND INTERSECTION
- ㉔ SEWER CDI
RM=111.29'
OUT=107.79'SW
- ㉕ SEWER MH
RM=110.96'
IN=106.98' NE
IN=106.26' SW
OUT=N/A
- ㉖ SEWER CDI
RM=110.61'
OUT=106.61'NE
- ㉗ SEWER MH
RM=119.12'
IN=116.4'NE
OUT=116.32'SW
BLIND INTERSECTION
- ㉘ SEWER MH
RM=144.49'
IN=138.59'N
IN=135.89'NE
OUT=135.79'SE
- ㉙ SEWER CDI
RM=89.89'
OUT=84.41'SE
BLIND INTERSECTION
- ㉚ SEWER MH
RM=78.59'
IN=72.88'NE
OUT=72.85'SW
- ㉛ SEWER CDI
RM=93.72'
OUT=90.19'SW
BLIND INTERSECTION
- ㉜ SEWER CDI
RM=93.09'
OUT=90.62'SE
BLIND INTERSECTION
- ㉝ SEWER MH
RM=98.85'
IN=88.10'NE
OUT=88.08'SW
- ㉞ SEWER MH
RM=112.85'
OUT=100.07'SW

- NOTES:
- HANDRAIL SHALL BE VDOT STD HR-1 AND SHALL BE INSTALLED ALONG BOTH SIDES OF ALL FIVE SETS OF STEPS.
 - STEPS SHALL BE VDOT STD S-1 (1.5:1 SLOPE).
 - ALL CONCRETE SHALL BE VDOT CLASS A-3.
 - HORIZONTAL & VERTICAL CONTROL POINTS ARE LOCATED AT THE SE CORNER OF MARSHALL AND CEDAR AND IN THE SW CORNER OF MARSHALL AND N. 20TH ST.
 - SURVEY WAS PROVIDED IN APRIL, 2008 BY PRECISION MEASUREMENTS, INC.
 - ALL PIPE SHALL BE HIGH DENSITY POLYETHYLENE AND SHALL CONFORM TO AASHTO M294, TYPE S WITH WATERTIGHT JOINTS.
 - CONTRACTOR SHALL REMOVE TWO(2) EXISTING PIEZOMETER PIPES WITHIN THE SLOPE FAILURE AREA ON THE FRANKLIN STREET SIDE AS PART OF THE SLOPE STABILIZATION WORK IN THIS AREA.
 - SEE SHEET 2 FOR RETAINING WALL NOTES.



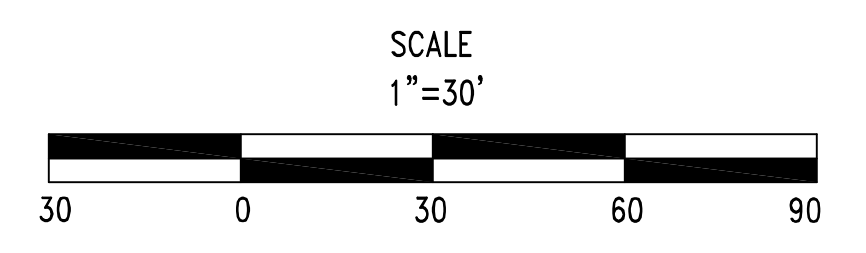
- ⊕ BENCH MARK
- ⊙ POWER POLE
- ⊙ LIGHT POLE
- ⊙ TRAFFIC SIGNAL
- ⊙ BOLLARD
- ⊙ ELECTRIC MANHOLE
- ⊙ STORM MANHOLE
- ⊙ SEWER MANHOLE
- ⊙ TELEPHONE MANHOLE
- ⊙ HYDRANT
- ⊙ WATER METER
- ⊙ GAS VALVE
- ⊙ WATER VALVE
- ⊙ ROD FOUND
- ⊙ SIGN
- CDI CURB DRAIN INSERT
- B BENCH
- SLB STREET LIGHT BOX
- SDW STORM DRAIN INSERT
- G GRAVEL
- RR RIP RAP
- N/A NOT ACCESSABLE
- HYD. CEMENT CONCRETE

HORIZONTAL CONTROL

LOCATION	N	E
10+00.00	3720437.1039	11795102.8360
10+63.34	3720431.4081	11795165.9148
BENCH MARK A	3720190.82	11795344.96
BENCH MARK B	3720420.49	11795042.05

- ③-1 MODIFY EXISTING INLET TO ACCEPT 12" PIPE
INV. IN. 65.60
- ③-2 TO ③-1 45'-12" PIPE REQ'D (2.5' COVER)
INV. IN. 70.56 INV. OUT 65.60
- ③-2 1 ST'D DI-2AA REQ'D H= 12.0 INV.= 70.56
- ③-3 TO ③-2 70'-12" PIPE REQ'D (1.5' COVER)
INV. IN. 94.47 INV. OUT 74.16
- ③-3 1 ST'D DI-2AA REQ'D H= 8.8' INV.= 94.47
- ③-4 TO ③-3 45'-12" PIPE REQ'D (1.0' COVER)
INV. IN. 110.44 INV. OUT 97.67
- ③-4 1 ST'D DI-2B REQ'D L= 4.0' H= 8.0' INV.= 110.44

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.



NOTES		LEGEND		Technical		Administrative		JEFFERSON PARK SLOPE STABILIZATION & DRAINAGE IMPROVEMENTS GRADING PLAN									
<ul style="list-style-type: none"> Existing Curb Curb & Gutter Sidewalk Basis Storm Sewer Sewer Manhole Sanitary Sewer (new) Sanitary Sewer (Power Man) Gas Line Electric Line Telephone/Telegraph TV Cable Water Line Tree / Exst. Tree To Be Removed / Stump Property Line 		<ul style="list-style-type: none"> Existing Curb Cut Ramp Coping Alley Crossing/Driveway Fire Hydrant Edge of Pavement Fence Cornerstone Property Pin Utility Pole Proposed Sewer Manhole Curb & Gutter Asphalt 		<ul style="list-style-type: none"> Proposed Conc. Sidewalk Brick Sidewalk Castings: Water Valve Water Meter Gas Drip Gas Valve Telephone Manhole Electric Manhole Proposed Curb Cut Ramp Decorative Light Conduit Conduit (Conc. Encased) Retaining Wall 		<ul style="list-style-type: none"> Surveys Project Engineer Maintenance Engineer City Traffic Engineer 		<ul style="list-style-type: none"> Project Manager Capital Project Administrator Deputy Director for Transportation / Public Works Director of Public Works 		<p>DEPARTMENT OF PUBLIC WORKS RICHMOND, VIRGINIA</p>							
<p>REFERENCES BL- 9 SW</p>		<p>REVISIONS</p>		<p>DESIGN BY: RGP DRAWN BY: SH CHECKED BY: CB</p>		<p>REVIEWED BY</p>		<p>FIELD NOTES</p>		<p>SCALE 1"=30'</p>		<p>DATE 03-05-09</p>		<p>SHEET 3</p>		<p>DRAWING NO. 0-00000</p>	

