

DRAINAGE STRUCTURE TABLE

STR. NO.	TYPE	UNIT	QUANTITY
M-1	EXIST. CATCH BASIN TO BE REMOVED	EACH	1
M-2	EXIST. CATCH BASIN TO BE REMOVED	EACH	1
M-3	REMOVE EXIST. CATCH BASIN; STANDARD WASA CONCRETE MANHOLE	V.L.F.	6.3
M-4	EXISTING MANHOLE TO REMAIN		
M-5	EXISTING MANHOLE TO REMAIN		
M-6	EXISTING MANHOLE TO REMAIN		
M-7	STANDARD CONCRETE MANHOLE	V.L.F.	9.8
I-1	MODIFIED WASA GRATE TYPE CATCH BASIN WITH WATER SEAL	EACH	1
I-2	MODIFIED WASA GRATE TYPE CATCH BASIN WITH WATER SEAL	EACH	1
I-3	MODIFIED WASA GRATE TYPE CATCH BASIN WITH WATER SEAL	EACH	1
I-4	MODIFIED WASA GRATE TYPE CATCH BASIN WITH WATER SEAL	EACH	1

STRUCT. NO. M-1
 REMOVE EXIST. CATCH BASIN AND CAP
 OUTFALL AND INCOMING PIPES. IF
 INCOMING PIPE IS TO REMAIN IN SERVICE,
 THEN (SEE SPECIFICATION SEC. 01030-
 ALTERNATES) INSTALL NEW CONCRETE
 MANHOLE AND CLEAN OUT INCOMING AND
 OUTFALL PIPES.

STRUCT. NO. M-2
 LOCATE AND REMOVE EXIST. CATCH BASIN AND
 CAP INCOMING AND OUTFALL PIPES. IF INCOMING
 PIPE IS TO REMAIN IN SERVICE, THEN (SEE
 SPECIFICATION SECTION 01030-ALTERNATES) INSTALL
 NEW CONCRETE MANHOLE AND CLEAN OUT
 INCOMING AND OUTFALL PIPES.

STRUCT. NO. I-1; TOP ELEV. = 170.7; INV. ELEV. = 166.2;
 H = 4.5' (SEE NOTE 2).
 CLEAN OUT EXIST. CATCH BASIN AND INSTALL MODIFIED
 ST'D. WASA FIELD INLET GRATE TYPE CATCH BASIN WITH
 WATER SEAL (HT. REDUCED), CONNECT AND CLEAN OUT
 EXIST. OUTFALL PIPE, AND CAP EXIST. INCOMING PIPE.
 IF INCOMING PIPE IS TO REMAIN IN SERVICE, THEN (SEE
 SPECIFICATION SECTION 01030-ALTERNATES) CONNECT
 TO CATCH BASIN AND CLEAN OUT INCOMING PIPE.

STRUCT. NO. M-3; TOP ELEV. = 175.5;
 BOTTOM ELEV. TO MATCH ELEV.
 OF EXIST. OUTFALL PIPE.
 CLEAN OUT EXISTING CATCH BASIN
 INSTALL MODIFIED MANHOLE COVER
 (HT. REDUCED), AND CLEAN OUT
 INCOMING AND OUTFALL PIPES. IF NO
 INCOMING PIPES EXIST, THEN (SEE
 SPECIFICATION SECTION 01030-
 ALTERNATES) REMOVE CATCH BASIN
 AND CAR OUTFALL PIPE.

STRUCT. NO. M-4
 CLEAN OUT EXIST. MANHOLE AND
 INCOMING AND OUTFALL PIPES.

STRUCT. NO. I-3; TOP ELEV. = 164.4;
 INV. ELEV. = 159.3 (SEE NOTE 2).
 REMOVE EXIST. CATCH BASIN AND INSTALL
 MODIFIED ST'D. WASA FIELD INLET GRATE
 TYPE CATCH BASIN WITH WATER SEAL
 (HT. REDUCED) AND CONNECT AND CLEAN OUT
 EXIST. INCOMING AND OUTFALL PIPES.

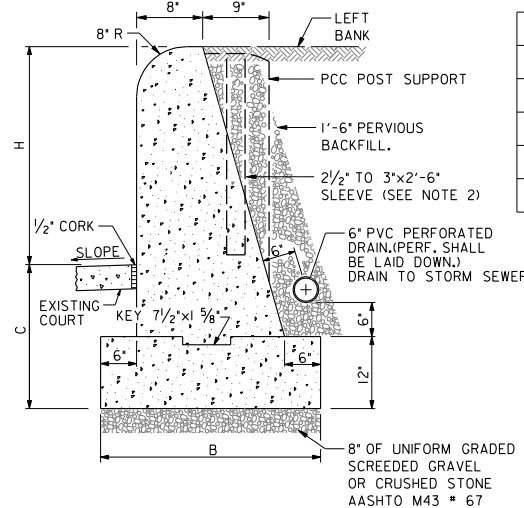
STRUCT. NO. M-5
 CLEAN OUT EXIST. MANHOLE AND
 INCOMING AND OUTFALL PIPES.

STRUCT. NO. I-4
 CLEAN OUT EXISTING CATCH
 BASIN, OUTFALL PIPE AND INCOMING
 PIPE. INSTALL MODIFIED STANDARD
 WASA FIELD INLET GRATE TYPE
 CATCH BASIN TOP WITH WATER
 SEAL (HEIGHT REDUCED).

REMOVE TWO OUTSIDE
 SECTIONS OF CONC.
 SIDEWALK TO LIMITS
 SHOWN AND CONVERT
 TO LANDSCAPE AREA
 (SEE DWG. L-1)
 R.O.W.

STRUCT. NO. M-7; ST'D CONCRETE MANOLE
 (DOGHOUSE INSTALLATION); TOP ELEV. = 154.9;
 BOTTOM ELEV. TO MATCH ELEV. OF EXIST.
 OUTFALL PIPE (145.1 +/-). CLEAN OUT INCOMING AND OUTFALL PIPES.
 MAKE CCTV TAPE OF EXIST. PIPE FROM PROP. STRUCT. MH-7
 TO EXIST STRUCT. NO. 6, AND SUBMIT TO DPR REPRESENTATIVE.
 EXIST. 15" STORM DRAIN MAY REQUIRE CLEANING, RELINING, OR REPLACING.

STRUCT. NO. M-6
 EXIST. MANHOLE
 TO REMAIN.



H	B	C	QUANTITIES (CU. YD./LIN. FT.)	
FT.	FT. IN.	FT. IN.	FOOTING	WALL
2'	2'-3"	2'-6"	0.083	0.124
3'	2'-7"	2'-6"	0.096	0.188
4'	3'-0"	2'-6"	0.111	0.272
5'	3'-4"	2'-6"	0.123	0.361

- NOTES:**
1. PROVIDE PREFORMED EXPANSION JOINT FILLER BETWEEN PCC COPING AND RETAINING WALL.
 2. INSTALL POST SLEEVE AT IN-LINE AND CORNER POSTS. PROVIDE PCC SUPPORTS AT POST LOCATIONS AS SHOWN ON DRAWING P-2, DETAIL 4.
 3. PERVIOUS FILL MATERIAL PER DDOT STD. SPECIFICATION 805.02
 4. CONCRETE CLASS B: 4,500 PSI

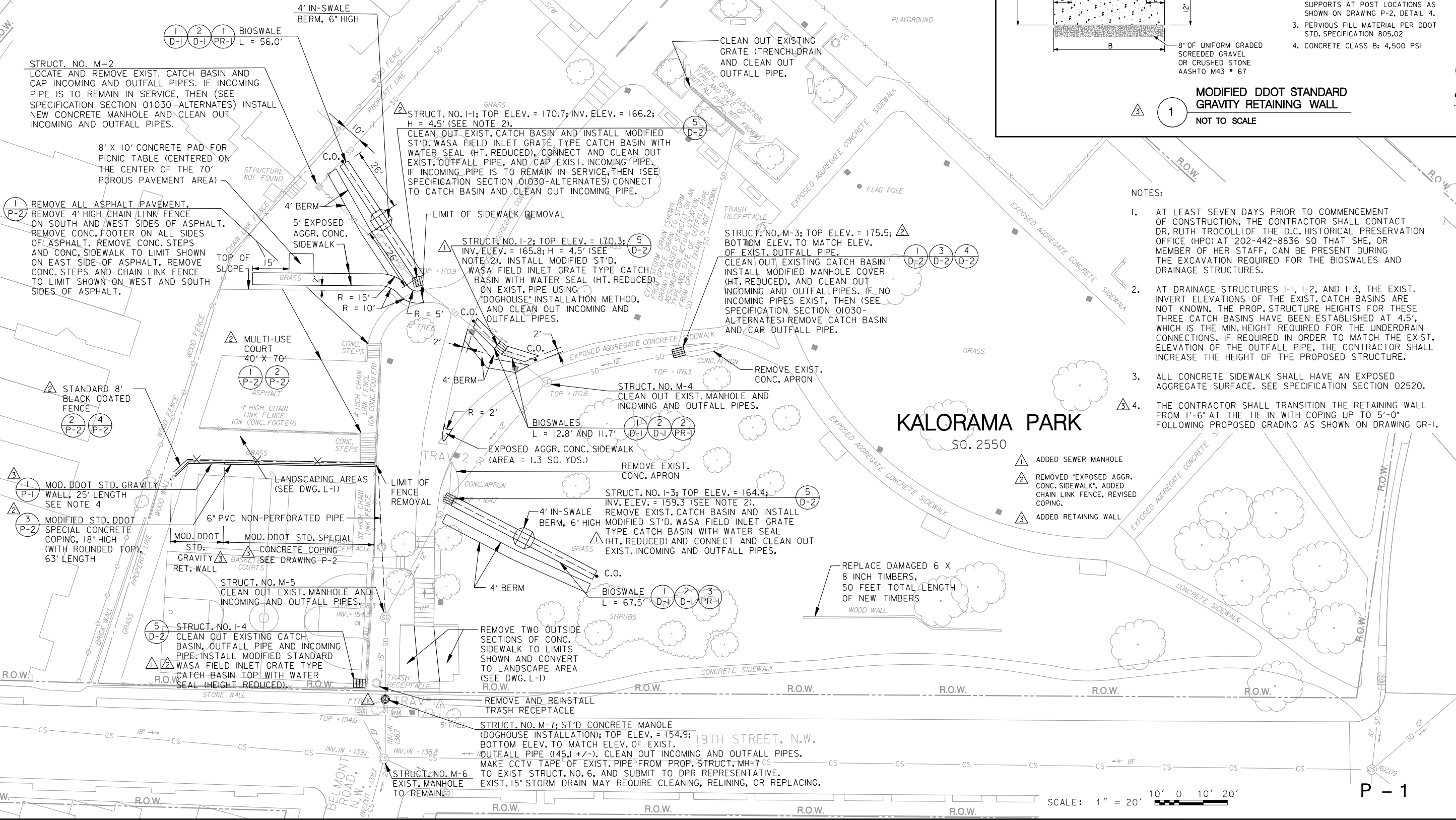
MODIFIED DDOT STANDARD GRAVITY RETAINING WALL
 NOT TO SCALE

NOTES:

1. AT LEAST SEVEN DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT DR. RUTH TROCCELLI OF THE D.C. HISTORICAL PRESERVATION OFFICE (HPO) AT 202-442-8836 SO THAT SHE, OR MEMBER OF HER STAFF, CAN BE PRESENT DURING THE EXCAVATION REQUIRED FOR THE BIOSWALES AND DRAINAGE STRUCTURES.
2. AT DRAINAGE STRUCTURES I-1, I-2, AND I-3, THE EXIST. INVERT ELEVATIONS OF THE EXIST. CATCH BASINS ARE NOT KNOWN. THE PROP. STRUCTURE HEIGHTS FOR THESE THREE CATCH BASINS HAVE BEEN ESTABLISHED AT 4.5', WHICH IS THE MIN. HEIGHT REQUIRED FOR THE UNDERDRAIN CONNECTIONS. IF REQUIRED IN ORDER TO MATCH THE EXIST. ELEVATION OF THE OUTFALL PIPE, THE CONTRACTOR SHALL INCREASE THE HEIGHT OF THE PROPOSED STRUCTURE.
3. ALL CONCRETE SIDEWALK SHALL HAVE AN EXPOSED AGGREGATE SURFACE. SEE SPECIFICATION SECTION 02520.
4. THE CONTRACTOR SHALL TRANSITION THE RETAINING WALL FROM 1'-6" AT THE TIE IN WITH COPING UP TO 5'-0" FOLLOWING PROPOSED GRADING AS SHOWN ON DRAWING GR-1.

KALORAMA PARK
 SQ. 2550

- ▲ ADDED SEWER MANHOLE
- ▲ REMOVED *EXPOSED AGGR. CONC. SIDEWALK*, ADDED CHAIN LINK FENCE, REVISED COPING.
- ▲ ADDED RETAINING WALL



SCALE: 1" = 20'

DAVID
Volkert & Assoc. Eng., P.C.
 5028 WISCONSIN AVE. N.W., WASHINGTON, D.C. 20016

ENGINEER'S SEAL & SIGNATURE

DEMOLITION AND SITE SITE PLAN

**D.C. PARKS AND RECREATION
 EROSION CONTROL AND SITE IMPROVEMENTS AT KALORAMA PARK**

Date	Revisions
3/09	▲
6/09	▲
11/09	▲

Drawn By: C.N.
 Designed By: H.D.
 Checked By: F.M.
 Date: NOVEMBER 21, 2008
 Scale: 1" = 20'
 Sheet No: 4 of 17

I:\674303\60 kalorama park\p01 Site Plan.dgn
 Friday, November 06, 2009 AT 04:51 PM