

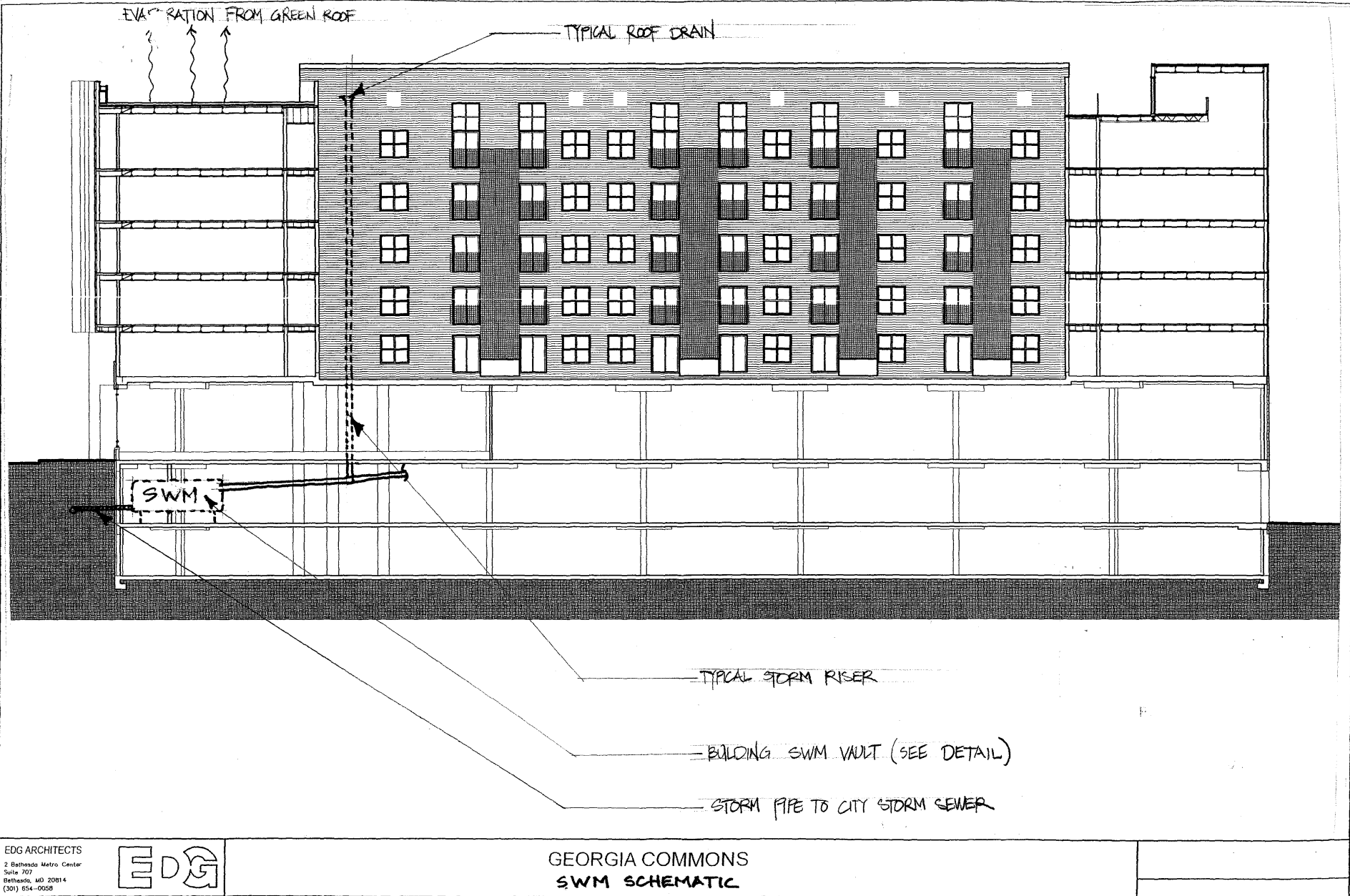
Stormwater Management Plans

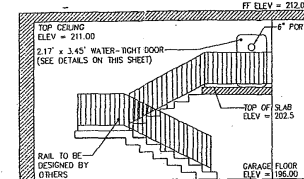
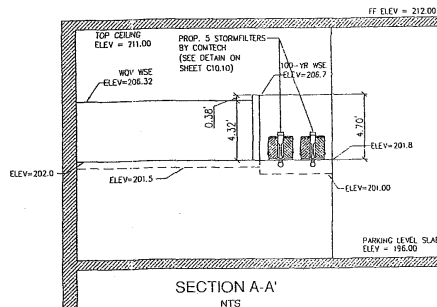
ZONING COMMISSION
District of Columbia

CASE NO. 08-08

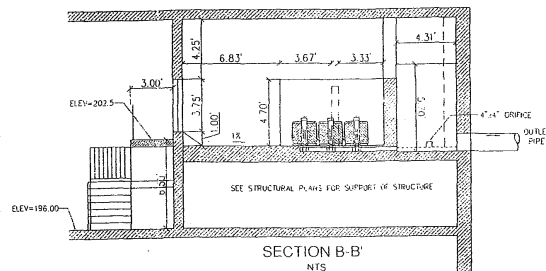
EXHIBIT NO. 46

ZONING COMMISSION
District of Columbia
CASE NO.08-08
EXHIBIT NO.46





CROSS SECTION C-C'
NTS

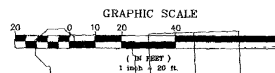
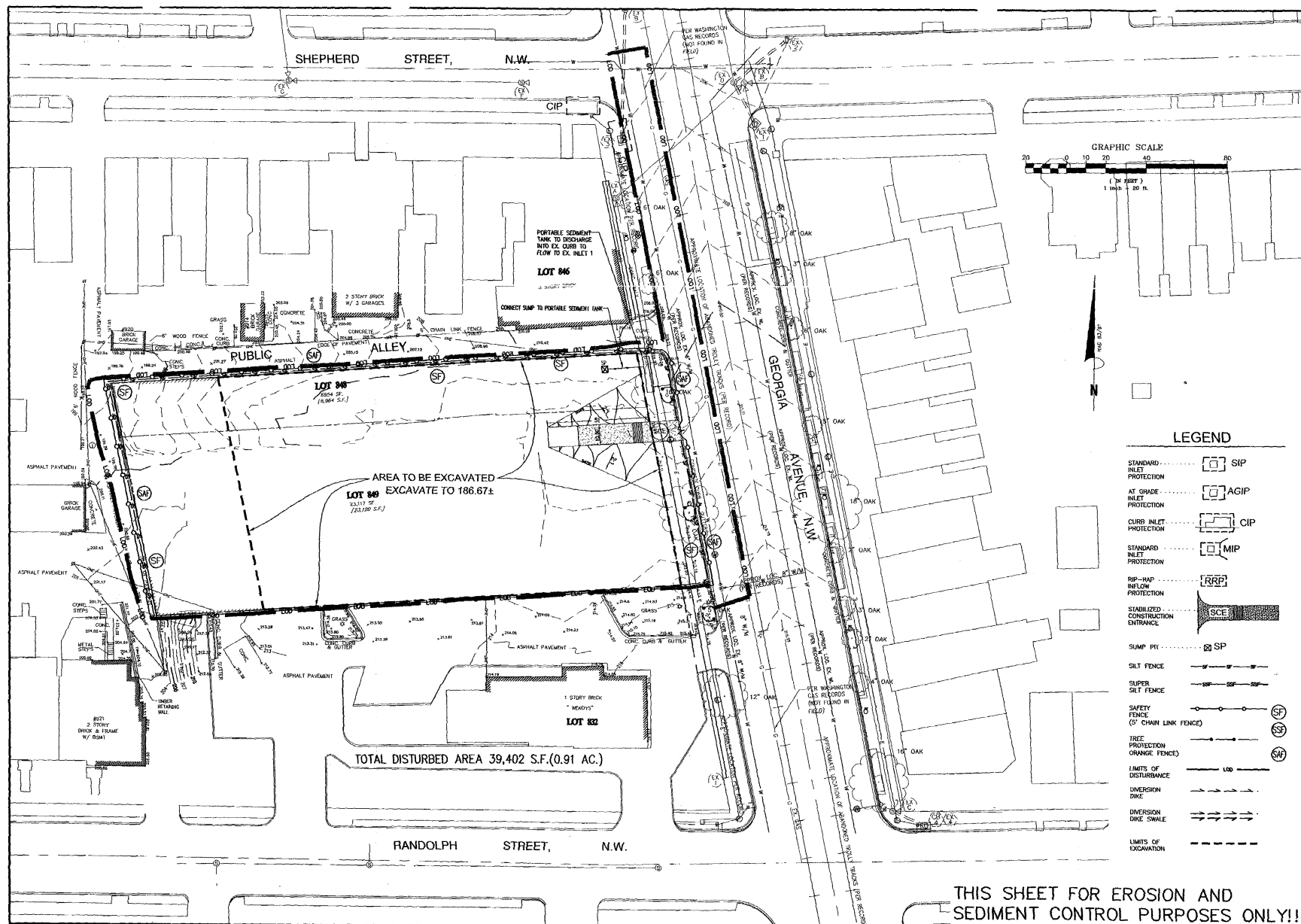


- ## GENERAL NOTES
1. STORMTIEFER BY CONTENT STORMTIEFERS SOLUTIONS, PORTLAND, OREGON 900/548-1467.
 2. PRECAST CONCRETE TO BE SPIN-CASTED AND SELF-CURING.
 3. PRECAST CONCRETE WALLS TO BE CONSTRUCTED IN ACCORDANCE WITH ASTM CASH AND CASH.
 4. STORMTIEFER PROVIDES 2.5' OF DEPTH FROM INLET TO OUTLET. WALLS AND OUTLET: PAVING TO BE PROVIDED BY OWNER AND OPERATOR BY CONTRACTOR.
 5. STORMTIEFER SUPPLIER EQUIPPED WITH EITHER CORDLESS OPERATED OR HAND-OPERATED AT INLET/OUTLET LOCATION.
 6. RECOMMENDED MAXIMUM DEPTH OF WALLS: DEPTH CAN RANGE FROM 15 TO 5.5' P.H. (INLET-TO-OUTLET BATTERY LENGTH) TO BE SPECIFIED BY OWNER IF ACCEPTED. BATTERY LENGTH TO BE SPECIFIED IN BOTH SIDES OF WALL. BATTERY LENGTH ADJUSTMENTS TO BE PROVIDED BY CONTRACTOR.
 7. STORMTIEFER PROVIDES REGULAR MAINTENANCE. OWNER TO OPERATIONS AND MAINTENANCE DEPARTMENTS FOR DETAILS.
 8. DETAILED SELECTOR'S DRAWINGS TO BE PROVIDED BY CONTRACTOR. ACTUAL WALLS OPERATIONS AND EQUIPMENT TO BE SHOWN ON PRODUCTION SHOP DRAWINGS.
 9. STANDARD DETAIL SHOWS MAXIMUM RANGE OF CARTRIDGES. EXIST NUMBER REQUIRED TO BE SPECIFIED ON SITE.

The proposed SWM/BMP facility will be in the first level of the underground parking garage and will consist of a SWM detention area, that in combination with the water quality volume (WQV) will have a detention capacity of 1,284 cubic feet. The calculated water quality volume (WQV) for the entire site is 853 cubic feet. Also, it is shown in the calculation that the calculated allowable release rate for the site is 1.28 cfs.

It is intended that the facility will filtrate the WQV by the use of five (5) stormfilter® cartridges, manufactured by Contech®. As specified by the manufacturer, each stormfilter cartridge has an approximate release rate of 0.034 cfs, for a total release from the WQV chamber of 0.17 cfs. The second chamber will have an orifice that will allow a release rate of 1.11 cfs, for a combined allowable release rate (between the two chambers) of 1.28 cfs. The outfall pipe of the facility is connected to the existing 10" combined sewer pipe at the front of the proposed building. Therefore, stormwater management and BMP are provided for the proposed development.





LEGEND

- STANDARD INLET PROTECTION SIP
- AT GRADE INLET PROTECTION AGIP
- CURB INLET PROTECTION CIP
- STANDARD INLET PROTECTION MIP
- RIP-RAP BELLOW PROTECTION RRP
- STABILIZED CONSTRUCTION ENTRANCE SCE
- SUMP PIT SP
- SILT FENCE
- SUPER SILT FENCE
- SAFETY FENCE (5' CHAIN LINK FENCE)
- TREE PROTECTION (ORANGE FENCE)
- LIMITS OF DISTURBANCE
- UNIVERSION DIKE
- DIVERSION DIKE SWALE
- LIMITS OF EXCAVATION

THIS SHEET FOR EROSION AND SEDIMENT CONTROL PURPOSES ONLY!!

Bowman
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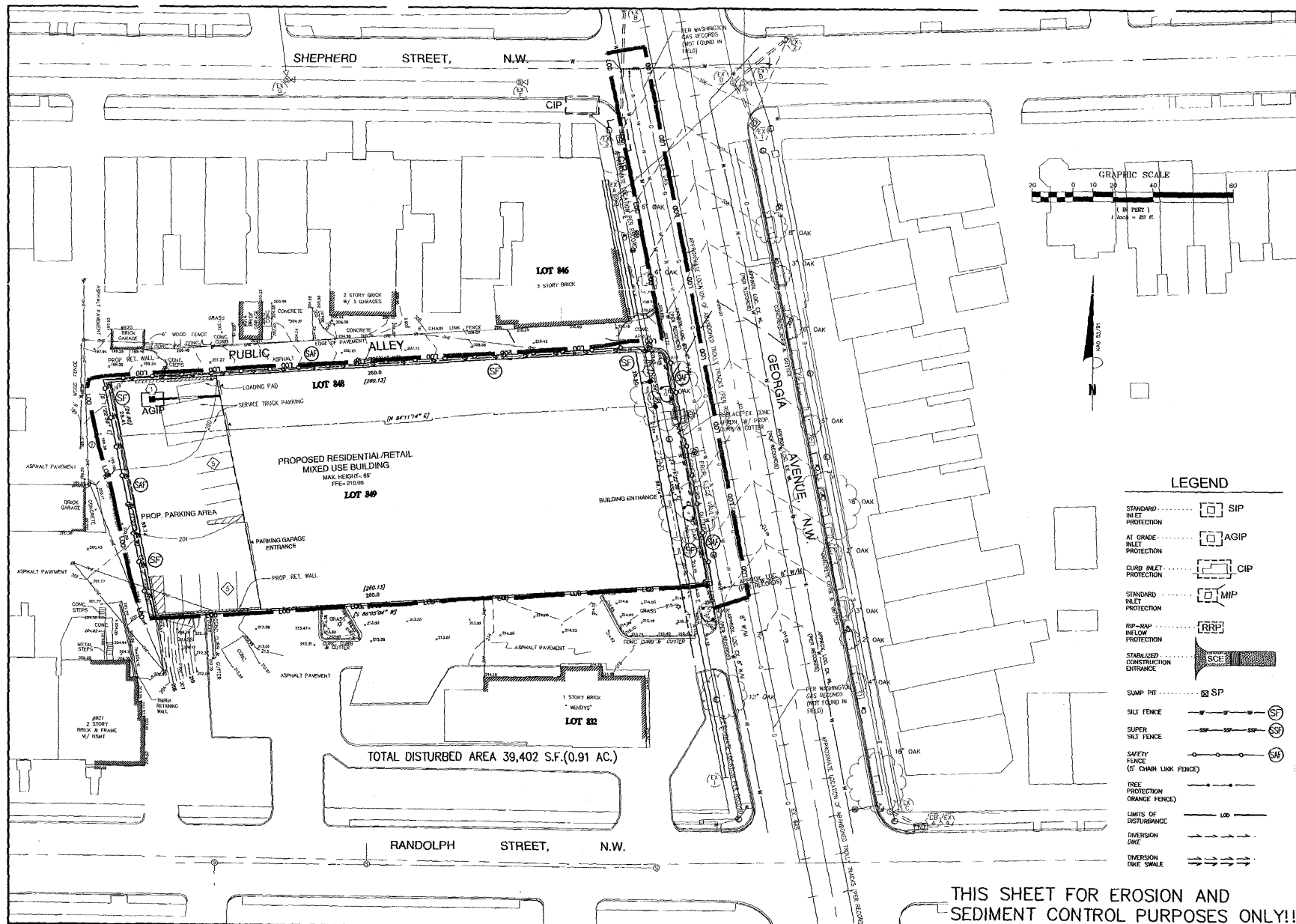
3910 GEORGIA AVENUE NW
EROSION AND SEDIMENT CONTROL PLAN - PHASE I
3910 GEORGIA AVENUE NW
DISTRICT OF COLUMBIA

SQUARE 2806
LOT 846 & 849

PLAN STATUS
10/12/07 TEST WASA SUBMISSION
10/12/07 OR PLAN APPLICATION

DATE	DESCRIPTION
10/12/07	TEST WASA SUBMISSION
10/12/07	OR PLAN APPLICATION
10/12/07	TEST WASA SUBMISSION
10/12/07	OR PLAN APPLICATION
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3910 GEORGIA AVENUE NW
 EROSION AND SEDIMENT CONTROL PLAN - PHASE II
3910 GEORGIA AVENUE NW
 DISTRICT OF COLUMBIA

SQUARE 2806
 LOT 848 & 849
 LOT 849
 LOT 848
 LOT 852

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