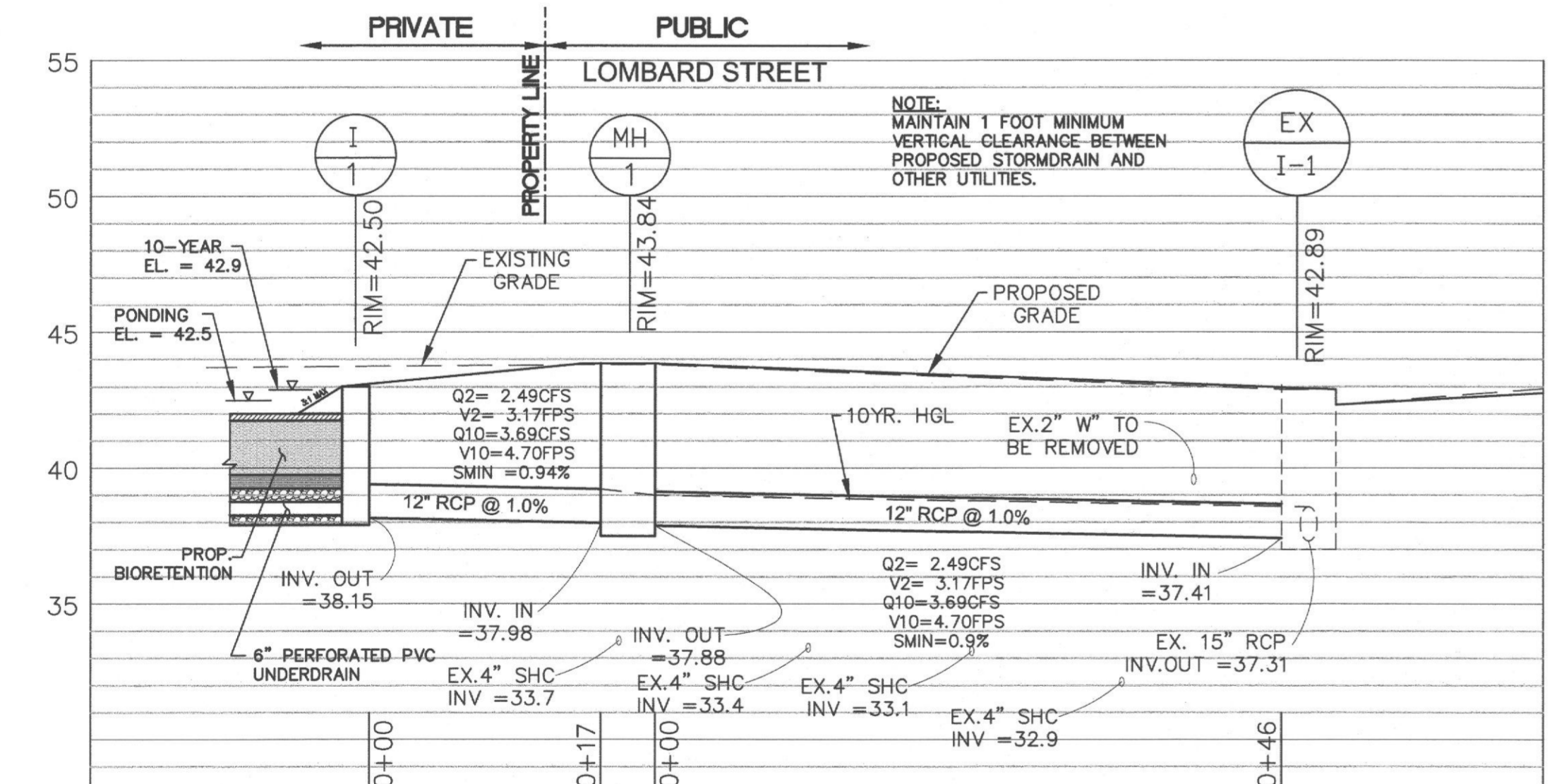
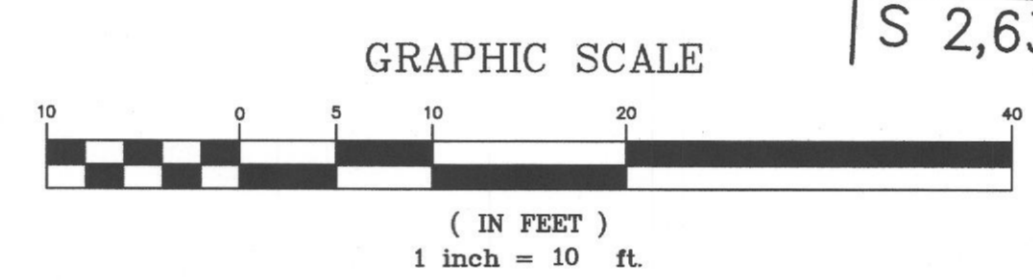


EXISTING CONDITION PLAN LEGEND

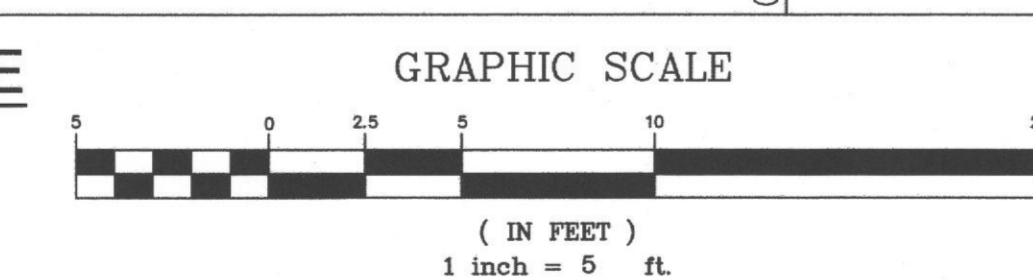
- ⊙ EX. SEWER MANHOLE
- ⊙ EX. WATER MANHOLE
- ⊙ EX. WATER METER
- ⊙ EX. STORM DRAIN MANHOLE
- ⊙ EX. TELEPHONE MANHOLE
- ⊙ EX. ELECTRICAL MANHOLE
- ⊙ EX. GAS MANHOLE
- FH EX. FIRE HYDRANT
- ⊙ EX. SIGN
- ⊙ EX. LIGHT POLE
- ⊙ EX. GAS VALVE
- ⊙ EX. YARD GRATE-INLET
- ⊙ EX. WATER VALVE
- ⊙ EX. WATER METER
- ⊙ EX. TREE
- ⊙ EX. TRAVERSE
- — — — — PROPERTY LINE
- 84 EXISTING CONTOUR
- W — EX. WATER LINE
- G — EX. GAS LINE
- S — EX. STORM DRAIN LINE
- S — EX. SEWER LINE
- UGT — EX. UNDERGROUND TELEPHONE LINE
- UGE — EX. UNDERGROUND ELECTRIC LINE
- E — EX. OVERHEAD ELECTRIC LINE
- X — EX. FENCE

STORM DRAINAGE PLAN
SCALE: 1"=10'



STORM DRAINAGE PROFILE

SCALE: VERT: 1"= 5'
HORIZ: 1"=10'



STORM DRAIN GENERAL NOTES:

- ALL WORK WITHIN THE CITY RIGHT OF WAY SHALL BE ACCOMPLISHED IN ACCORDANCE WITH "SPECIFICATIONS" AND "BOOK OF STANDARDS" FOR THE CITY OF BALTIMORE, DEPARTMENT OF PUBLIC WORKS.
 - OBSTRUCTIONS SHOWN ON THIS DRAWING ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND THE CITY OR WHITNEY, BAILEY, COX & MAGNANI DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION.
 - BEFORE DOING ANY DIGGING, NOTIFY THE FOLLOWING: "MISS UTILITY" 1-800-257-7777 BUREAU OF TRANSPORTATION, STREET LIGHTING MAINT. SECTION, BILL COLBERT 410-396-5965 BUREAU OF TRANSPORTATION, CONDUIT MAINT. SECTION, JEFF HARTMAN, 410-396-1515.
 - TYPE OF JOINT FOR PIPE
- | TYPE PIPE | TYPE JOINTS |
|------------------------------|-------------|
| SDR 35 PVC PIPE: DRAIN | PVC COUPLER |
| SDR 35 PVC: INLET CONNECTION | PVC COUPLER |
- ALL CHANNELS IN MANHOLES AND INLETS MUST BE CONSTRUCTED TO CONFORM, AS CLOSE AS POSSIBLE, TO THE STANDARD CHANNELS CALLED FOR ON THE PROFILES. A GRAVEL CRADLE IS REQUIRED UNDER ALL PIPING EXCEPT INLET CONNECTIONS. ALL BACKFILL SHALL BE MECHANICALLY TAMPED. SEE THE BALTIMORE CITY BOOK OF STANDARDS FOR STANDARD DETAILS.
 - TEMPORARY STEEL PLATES WILL BE PLACED AT EXCAVATIONS AT THE END OF EACH WORKING DAY. SEE B.C. STD. 579.17.
 - ROADWAY, CURBS, AND/OR SIDEWALKS SHALL BE REPAIRED "IN KIND" WHERE DISTURBED BY WATER LINE CONSTRUCTION. SIDEWALKS SHALL BE REPAIRED AS SHOWN IN DETAIL 7 ON SHEET 8 OF 8. CURBS SHALL BE REPLACED TO NEAREST EXISTING JOINT AS SHOWN IN DETAIL 3 OF SHEET 8 OF 8 TO THE NEAREST JOINT.
 - ALL TRENCH REPAIRS TO RESTORE HISTORIC PAVING IN ACCORDANCE WITH DETAIL 2, FOUND ON PAGE 8 OF 8.
 - CONTRACTOR SHALL ATTACH A COPY OF THE EXECUTED AGREEMENT TO THE APPLICATION FOR A STREET-CUT PERMIT.

GENERAL NOTES

- FOR TRENCH REPAIR REFER TO B.C.576.19-1 AND B.C.576.19-2 OR 576.20-1 AND B.C.576.20-2 AS APPLICABLE.
- ANY CURB DISTURBED BY THIS INSTALLATION SHALL BE REPLACED IN-KIND TO THE NEAREST EXISTING JOINT.
- SIDEWALKS DISTURBED BY CONSTRUCTION SHALL BE REPLACED TO THE NEAREST JOINT USING 5" OF MIX NO. 2 CONCRETE ON 3" OF CR-6.
- THE CONTRACTOR IS TO MAINTAIN AND PROTECT ALL LIGHTING SYSTEMS DURING CONSTRUCTION.
- ALL WORK SHALL BE IN ACCORDANCE WITH CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS FOR MATERIAL, BRIDGES, UTILITIES AND INCIDENTAL STRUCTURES (1979) AND ADDENDUM THERETO.
- OBSTRUCTIONS SHOWN ON THIS DRAWING ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CITY DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR THE COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO THEIR OWN SATISFACTION.
- ANY DAMAGE OR DEMOLITION OF EXISTING FEATURES IN OR ADJACENT TO THE LIMIT OF DISTURBANCE AND NOT PART OF THE WORK SUCH AS BUT NOT LIMITED TO SIDEWALKS AND CURB AND GUTTERS SHALL BE REPAIRED AND REPLACED BY THE CONTRACTOR IN ACCORDANCE WITH BALTIMORE CITY STANDARDS.
- IF SIDEWALK CLOSURE IS NECESSARY DURING CONSTRUCTION ENSURE AN ALTERNATIVE PEDESTRIAN ACCESS THAT IS ADEQUATELY SIGNED.

- UTILITY NOTES:**
- THE CONTRACTOR MUST NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST FIVE (5) DAYS PRIOR TO BEGINNING WORK.
 - THE CONTRACTOR MUST NOTIFY WATER AND WASTEWATER MAINTENANCE DIVISION (396-7870) AT LEAST TWO (2) WEEKS PRIOR TO START-UP OF CONSTRUCTION ON WATER SERVICES. FOR SANITARY, CONDUIT, AND STORM WATER SERVICES CONTACT THE PERMIT INSPECTION SECTION AT 410-396-4840. THE CONTRACTOR MUST RECEIVE WRITTEN NOTICE TO PROCEED FROM THE WATER AND WASTEWATER MAINTENANCE DIVISION OR THE PERMIT INSPECTION SECTION PRIOR TO PERFORMING ANY WORK.
 - SERVICES MUST BE CAPPED AND THE COMPLETED SERVICES WILL BE VISUALLY INSPECTED FOR LEAKS.
 - ALL SERVICES TO BE ABANDONED MUST BE ABANDONED AT THE MAINS, AND ALL METERS MUST BE RETURNED TO THE CITY.

STR. NO.	SCHEDULE	INVERT	STANDARD
MH-1	48" DIAMETER PRECAST MH	TOP EL. 43.840 INV. IN 37.98 INV. OUT 37.88	BC 383.02
I-1	TYPE S INLET AND COVER	TOP EL. 42.50 INV. OUT 38.15	BC 377.11

TABLE OF COORDINATES

STRUCTURE NUMBER	TYPE	COORDINATES		APPLICATION POINT
		S	E	
MH-1	48" MANHOLE	2598.54	5962.81	CENT. OF MH
I-1	TYPE S INLET	2978.86	5955.18	CENT. OF IN

ESD # 7121

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 21718, Expiration Date: 2017-09-16

Architect
Architects & Design Consultants
(434)260-1292
fremelisso.ftitadc@gmail.com

Civil / Structural
M.A. Design Group LLC
Consulting Engineers
1705 Chester Mill Road
Silver Spring, MD 20906

MEP
SiTa Engineering,
1334 9th Street,
NW Suite 206
Washington DC, 20001

Owner / Client
Herena USA, LLC
210 E. Lexington Street
Baltimore, Maryland 21202

Herena USA
E. Lombard Street
1622-1634 Lombard Street
922 S. Bethel Street
Baltimore, MD 21212

REV	DESCRIPTION	DATE
4	SWM-ES	05/20/2017
3	SWM-ES	09/29/2016
2	SWM-ES	08/15/2016
1	BID-SET	02/5/2016

REVISION HISTORY



Date: 02/5/2016
Project # 1501.01
STORM DRAIN PLAN
NOTES & PROFILE

C-2.12