

# HOWARD COUNTY

## Capital Project #D-1165



**AS-BUILT CERTIFICATION**  
 I CERTIFY THAT THE FACILITY SHOWN ON THIS PLAN WAS CONSTRUCTED AS SHOWN ON THE "AS-BUILT" PLANS AND MEETS THE APPROVED PLANS AND SPECIFICATIONS.

### INDEX OF SHEETS

SHEET NO.	TITLE
1	TITLE SHEET
2	SITE PLAN
3	GENERAL NOTES
4	TYPICAL SECTION
5	WALL PLAN AND SECTION DETAIL
6	EROSION AND SEDIMENT CONTROL DETAILS
7	EROSION AND SEDIMENT CONTROL PLAN
8	EROSION AND SEDIMENT CONTROL GENERAL NOTES
9	BORING LOG

# Old Columbia Pike Wall Repair Project

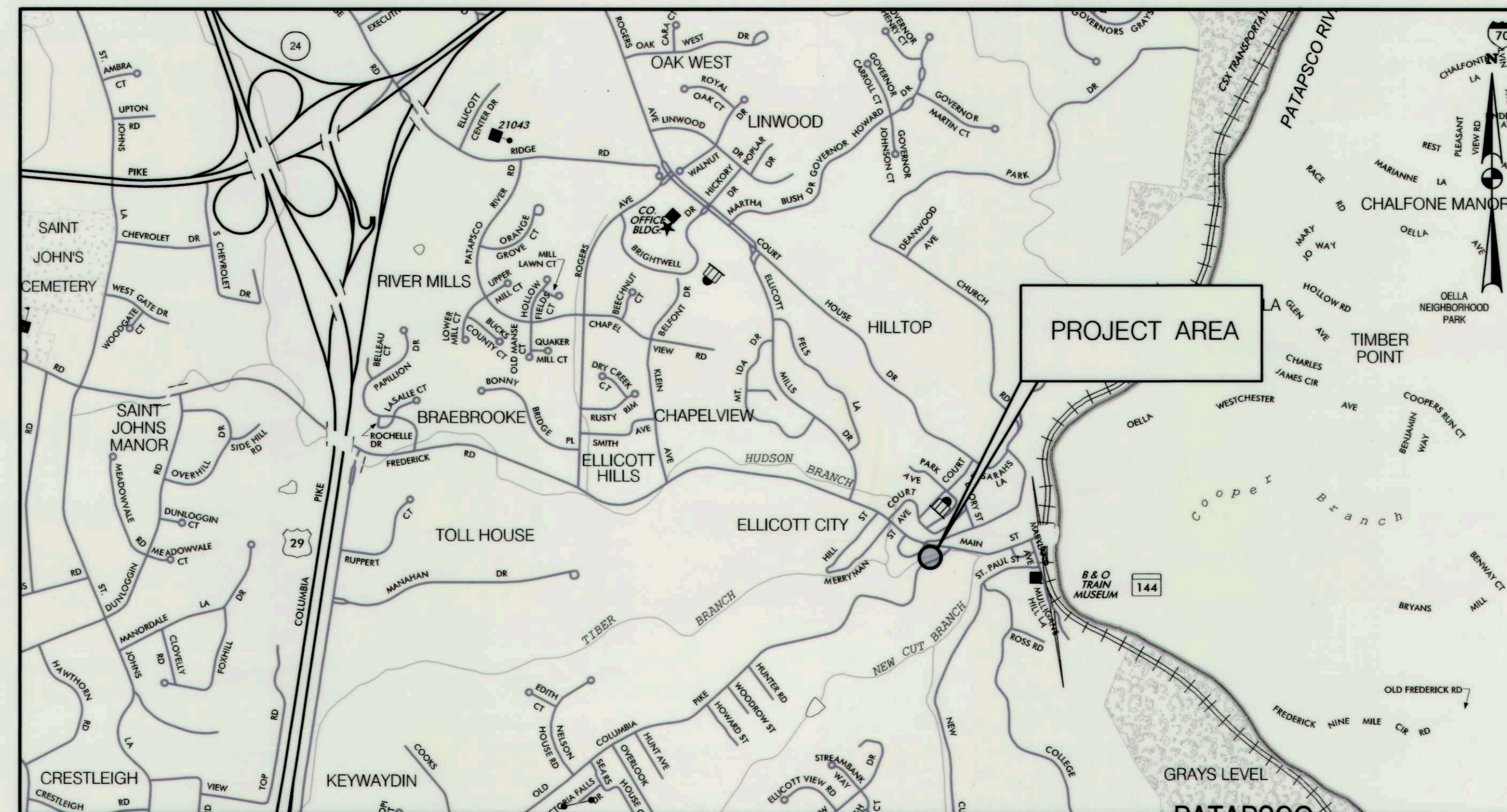
Storm Water Management Division  
 Bureau Of Environmental Services

### GENERAL NOTES

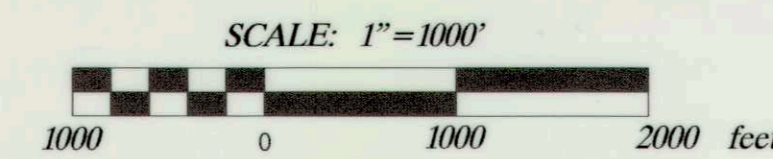
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST FIVE (5) WORKING DAYS PRIOR TO ANY WORK BEING DONE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS /BUREAU OF ENGINEERING CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- SURVEY OF THIS SITE WAS PERFORMED BY HOWARD COUNTY - 2016
- THE COORDINATES SHOWN HEREON ARE BASED ON HOWARD COUNTY GEODETIC CONTROL, WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. BENCHMARKS SHOWN HEREON WERE PROVIDED BY HOWARD COUNTY.
- OBSTRUCTIONS SHOWN ON THIS DRAWING ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND MCCORMICK TAYLOR DOES NOT WARRANT OR GUARANTEE THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION GIVEN. THE CONTRACTOR MUST VERIFY SUCH INFORMATION TO HIS OWN SATISFACTION.
- THE EXISTING INFORMATION SHOWN ON THESE PLANS WAS TAKEN FROM THE BEST AVAILABLE SOURCES AND SHALL BE VERIFIED BEFORE STARTING CONSTRUCTION. HOWARD COUNTY DOES NOT GUARANTEE THE COMPLETENESS OR THE CORRECTNESS OF THE SHOWN INFORMATION.
- THE CONTRACTORS SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO THE CONTRACTORS'S OPERATION SHALL BE REPAIRED IMMEDIATELY. ALL UTILITIES SHALL HAVE A CLEARANCE BY A MINIMUM OF 6 INCHES VERTICALLY AND A MINIMUM OF 5 FEET HORIZONTALLY.
- SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY MCCORMICK TAYLOR IMMEDIATELY TO RESOLVE THE SITUATION.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- A JOINT PERMIT APPLICATION HAS BEEN SUBMITTED TO THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR THIS PROJECT. (TRACKING NUMBER BELOW)
- PROJECT IMPACTS INCLUDE WORK IN A USE I STREAM. THE SITE IS NOT LOCATED WITHIN A TIER II STREAM SEGMENT. THIS WATERSHED HAS BEEN IDENTIFIED AS IMPAIRED AND IS CURRENTLY UNDER A TMDL FOR TOXINS.
- OWNERS OF THE PROJECT SITE INCLUDE HOWARD COUNTY AND JOHN PACYLOWSKI/SUN PACYLOWSKI.

### LEGEND

PROPOSED MEDIAN BARRIER	---
ELECTRICAL HAND BOX - SIGNALS	H.B.X
FLOW LINE	---
STATE, COUNTY OR CITY LINES	---
EXISTING TRAFFIC BARRIER	---
PROPOSED FENCE LINE	-X-X-
EXISTING FENCE LINE	-X-X-
PROPERTY LINE	---
EASEMENT LINE	---
EXISTING ROADWAY	---
BASE OR SURVEY LINE	---
TRAVERSE POINT	---
APPROXIMATE LIMITS OF CUT AND/OR FILL	---
PROPOSED MAJOR CONTOUR	---
PROPOSED MINOR CONTOUR	---
LIMIT OF DISTURBANCE	---
EXISTING MAJOR CONTOURS	---
EXISTING MINOR CONTOURS	---
EXISTING PIPE/CULVERT	---
EXISTING DROP INLET	---
WETLAND	---
WATERS OF THE US	---
HEDGE /TREE LINE	---
BUSH /TREE	---
CONIFEROUS TREE	---
LIGHT POLE	---
SANITARY LINE	---
BUSH /TREE TO BE REMOVED	---



HORIZONTAL DATUM	NAD 83 /91
VERTICAL DATUM	NAVD 88



APPROVALS/PERMITS			
AGENCY	#	DATE APPLIED	DATE APPROVED
MDE JOINT PERMIT APPLICATION	201760679 / 17-NT-3107	3 /29 /17	6 /20 /17
HOWARD SOIL CONSERVATION DISTRICT	EP-17-36	3 /31 /17	4 /12 /17
DILP PERMIT	B17001514	4 /19 /17	5 /08 /17

### 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. 32306 EXPIRATION DATE: 10/16/2017

### DESIGN CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH CURRENT MARYLAND EROSION AND SEDIMENT CONTROL LAWS, REGULATIONS, AND STANDARDS, THAT IT REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

### OWNER'S/DEVELOPER'S CERTIFICATION

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS APPROVED EROSION AND SEDIMENT CONTROL PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS, AND THAT THE RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) APPROVED TRAINING PROGRAM FOR THE CONTROL ON EROSION AND SEDIMENT PRIOR TO BEGINNING THE PROJECT. I CERTIFY RIGHT-OF-ENTRY FOR PERIODIC ON-SITE EVALUATION BY HOWARD COUNTY, THE HOWARD SOIL CONSERVATION DISTRICT AND/OR MDE.

### HOWARD SCD SIGNATURE BLOCK

THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

*[Signature]*  
 HOWARD SOIL CONSERVATION DISTRICT  
 4/12/17  
 DATE

4-10-17  
 DATE  
 MARYLAND REGISTRATION NUMBER 32013  
*[Signature]*  
 DESIGNER'S SIGNATURE  
 AMY L. HRIBAR  
 PRINTED NAME

4/13/17  
 DATE  
*[Signature]*  
 OWNER/DEVELOPER SIGNATURE  
 James H. Jan  
 PRINTED NAME AND TITLE

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

*[Signature]* 4/13/17  
 DIRECTOR OF PUBLIC WORKS DATE  
*[Signature]* 4/13/17  
 CHIEF, BUREAU OF ENVIRONMENTAL SERVICES DATE  
*[Signature]* 4/13/17  
 CHIEF, STORMWATER MANAGEMENT DIVISION DATE



509 South Exeter Street  
 4th Floor  
 Baltimore, Maryland 21202  
 (410) 662-7400



Storm Water Management Division  
 Bureau of Environmental Services  
 6751 Columbia Gateway Drive, Suite 514  
 Columbia, Maryland 21046-3143  
 (410) 313-6444



Apr-10-2017

DES:	ADM	AS-BUILT SURVEY	9/05 /17
DRN: MER			
CHK: AH			
DATE: 4 /10 /17	BY	NO.	REVISION
			DATE

OLD COLUMBIA PIKE WALL REPAIR PROJECT  
 CAPITAL PROJECT #D-1165  
 HOWARD COUNTY  
 HSCD #: EP-17-36

TITLE SHEET

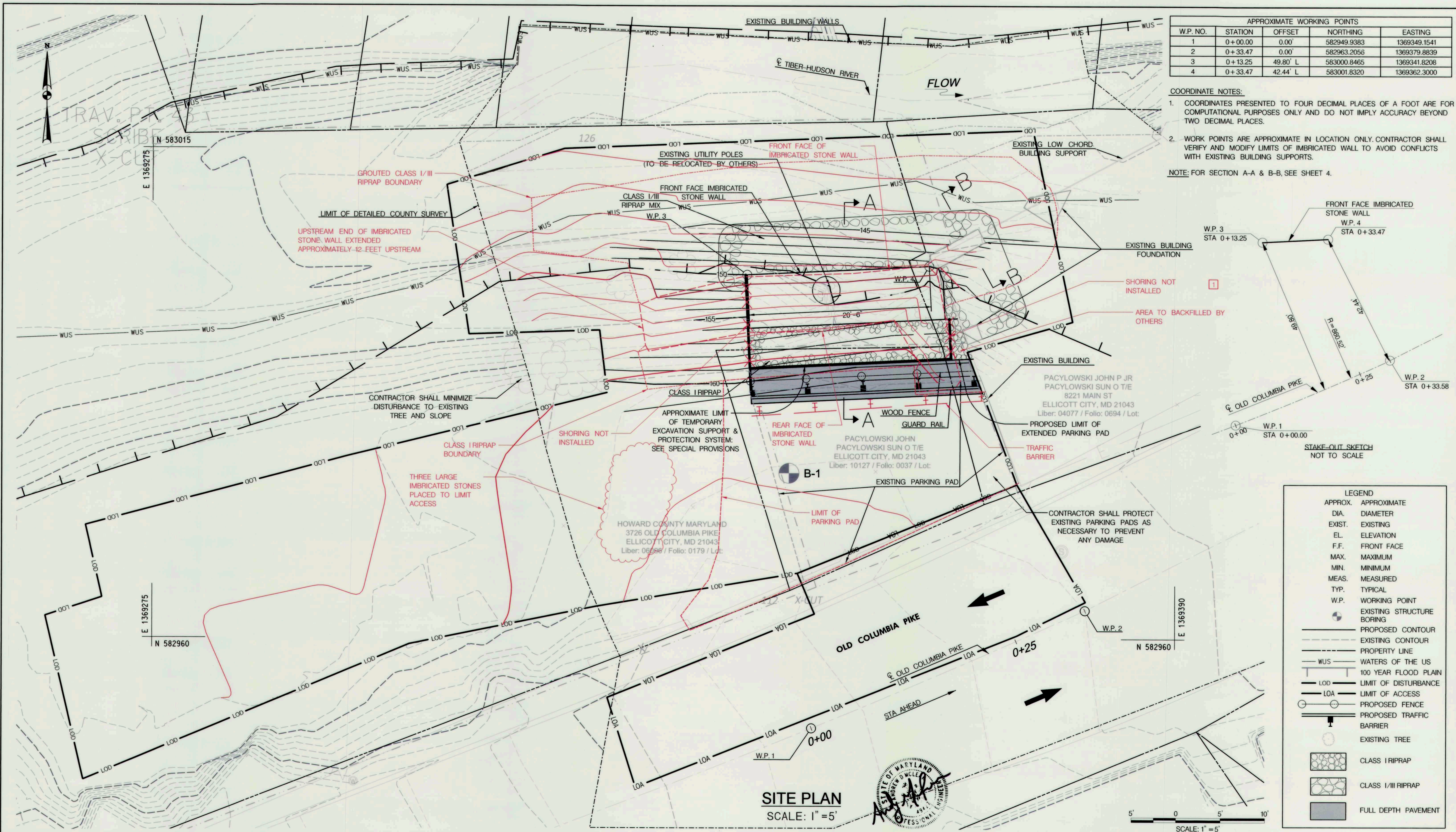
SCALE AS SHOWN

SHEET 1 OF 9

RECEIVED

APR 19 2017

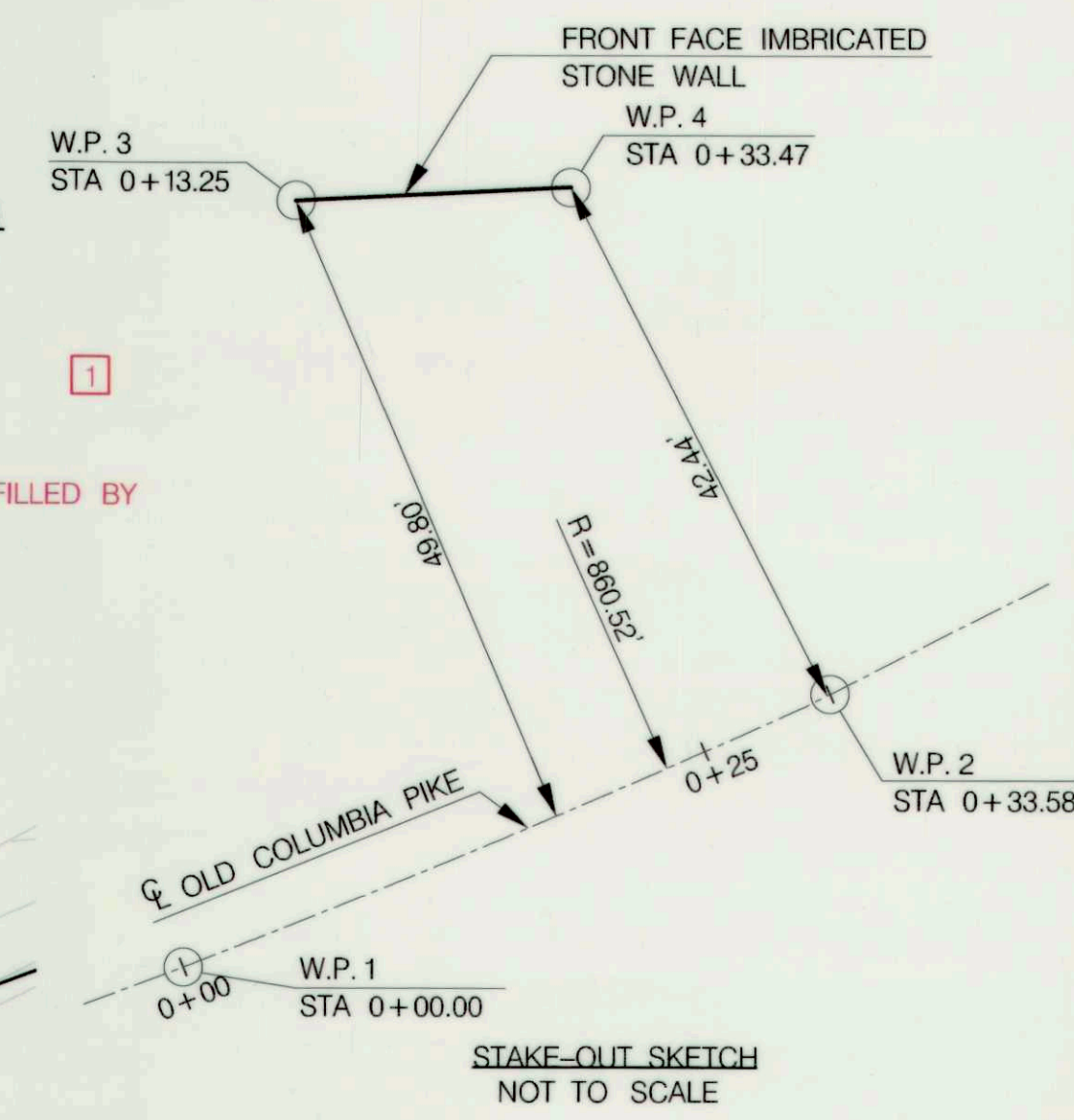
LICENSES & PERMITS DIVISION



APPROXIMATE WORKING POINTS				
W.P. NO.	STATION	OFFSET	NORTHING	EASTING
1	0+00.00	0.00'	582949.9383	1369349.1541
2	0+33.47	0.00'	582963.2056	1369379.8839
3	0+13.25	49.80' L	583000.8465	1369341.8208
4	0+33.47	42.44' L	583001.8320	1369362.3000

- COORDINATE NOTES:**
- COORDINATES PRESENTED TO FOUR DECIMAL PLACES OF A FOOT ARE FOR COMPUTATIONAL PURPOSES ONLY AND DO NOT IMPLY ACCURACY BEYOND TWO DECIMAL PLACES.
  - WORK POINTS ARE APPROXIMATE IN LOCATION ONLY. CONTRACTOR SHALL VERIFY AND MODIFY LIMITS OF IMBRICATED WALL TO AVOID CONFLICTS WITH EXISTING BUILDING SUPPORTS.

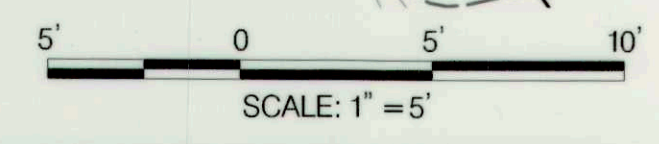
NOTE: FOR SECTION A-A & B-B, SEE SHEET 4.



**LEGEND**

APPROX.	APPROXIMATE
DIA.	DIAMETER
EXIST.	EXISTING
EL.	ELEVATION
F.F.	FRONT FACE
MAX.	MAXIMUM
MIN.	MINIMUM
MEAS.	MEASURED
TYP.	TYPICAL
W.P.	WORKING POINT
	EXISTING STRUCTURE BORING
	PROPOSED CONTOUR
	EXISTING CONTOUR
	PROPERTY LINE
	WATERS OF THE US
	100 YEAR FLOOD PLAN
	LIMIT OF DISTURBANCE
	LIMIT OF ACCESS
	PROPOSED FENCE
	PROPOSED TRAFFIC BARRIER
	EXISTING TREE
	CLASS I RIPRAP
	CLASS I/III RIPRAP
	FULL DEPTH PAVEMENT

**SITE PLAN**  
SCALE: 1" = 5'



DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND   CHIEF, BUREAU OF ENVIRONMENTAL SERVICES	 509 South Exeter Street 4th Floor Baltimore, Maryland 21202 (410) 662-7400	 Storm Water Management Division Bureau of Environmental Services 6751 Columbia Gateway Drive, Suite 514 Columbia, Maryland 21046-3143 (410) 313-6444	 APR-10-2017	DES: JB	ADM	1	AS-BUILT SURVEY	9/05/17
				DRN: MER	CHK: AH	DATE: 4/10/17	BY	NO.

**OLD COLUMBIA PIKE WALL REPAIR PROJECT**  
**CAPITAL PROJECT #D-1165**  
**HOWARD COUNTY**  
**HSCD #: EP-17-36**  
**SITE PLAN**

SCALE AS NOTED  
 SHEET 2 OF 9

**RECEIVED**  
 APR 19 2017  
 LICENSES & PERMITS DIVISION

**GENERAL NOTES**

**SPECIFICATIONS:**

SHA SPECIFICATIONS, DATED JULY 2008, REVISIONS THEREOF AND ADDITIONS THERETO AND AS SUPPLEMENTED BY HOWARD COUNTY VOLUME IV DESIGN MANUAL, DATED MAY 2007, AND REVISIONS THEREOF AND SPECIAL PROVISIONS FOR MATERIALS AND CONSTRUCTION. DESIGN AND INSTALLATION OF THE WALL SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION DATED 2014 AND ALL INTERIMS.

**LOADINGS:**

LIVE LOAD SURCHARGE: 240 PSF

DEAD LOAD SURCHARGE: 0 PSF

**GENERAL:**

VERIFY ALL DIMENSIONS AND GEOMETRY IN THE FIELD AS NECESSARY FOR PROPER FIT OF THE PROPOSED CONSTRUCTION.

CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE PROTECTION TO PREVENT DAMAGE TO ASPHALT PARKING AREA.

**EXISTING BUILDING AND FOUNDATIONS:**

CONTRACTOR SHALL NOT DISTURB OR ADVERSELY IMPACT THE EXSTING BUILDING AND EXISTING BUILDING FOUNDATIONS OR ANY OTHER STRUCTURES IN THE VICINITY DURING CONSTRUCTION OPERATIONS.

THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE EXISTING BUILDING AND EXISTING BUILDING FOUNDATIONS.

THE CONTRACTOR MAY WISH TO CONDUCT BUILDING INSPECTIONS PRIOR TO WORK.

THE CONTRACTOR SHALL UTILIZE VIBRATION MONITORING TO MONITOR ANY IMPACTS TO THE EXISTING BUILDING OR THE EXISTING BUILDING FOUNDATIONS. SEE SPECIAL PROVISIONS.

**STABILIZING STRUCTURAL EXCAVATION:**

THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF ALL EXCAVATED SLOPES AND THE DESIGN OF ANY TEMPORARY EXCAVATION SUPPORT AND PROTECTION SYSTEM THAT MAY BE USED. DIVERT ALL SURFACE RUNOFF AWAY FROM EXCAVATIONS. PERFORM ALL EXCAVATIONS IN ACCORDANCE WITH OSHA REQUIREMENTS.

BACKFILL AND GRADE ALL EXCAVATIONS AS SOON AS POSSIBLE TO PREVENT SURFACE WATER FROM PONDING AND CONCENTRATED FLOW FROM ENTERING THE EXCAVATION. KEEP THE EXCAVATION DRY WITH PUMPS AS REQUIRED. NO PAYMENT SHALL BE MADE FOR DEWATERING THE AREA WITHIN THE TEMPORARY SUPPORT OF EXCAVATION, THEREFORE DEWATERING SHALL BE INCIDENTAL TO THE IMBRICATED STONE WALL ITEM.

AFTER BACKFILLING TEMPORARY EXCAVATION SUPPORT SHALL BE MADE FLUSH WITH FINISHED GROUND OR MODIFIED AS DIRECTED BY THE ENGINEER

**MATERIALS:**

IMBRICATED STONE TYPE - SEE SPECIAL PROVISIONS.

FLOWABLE BACKFILL - SEE SPECIAL PROVISIONS.

COMPRESSIVE STRENGTH - 1200 PSI

MINIMUM DENSITY - 150 PCF

CLASS III / CLASS I RIPRAP MIX - 70% CLASS III 30% CLASS I

**UTILITIES:**

UTILITIES AS SHOWN ON THE PLANS FOR INFORMATION ONLY. THE PRESENCE, SIZE, AND LOCATION OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD BEFORE COMMENCING WORK.

THE CONTRACTOR IS ADVISED THAT THERE MAY BE EXISTING BURIED ELECTRICAL LINES IN THE AREA OF THE PROPOSED IMBRICATED STONE WALL, WHICH MUST BE AVOIDED DURING THE INSTALLATION OF THE STRUCTURE. THE CONTRACTOR SHALL FOLLOW ALL CODES AND METHODS OUTLINED IN THE MARYLAND HIGH VOLTAGE LINE ACT (TITLE 6 OF THE LABOR AND EMPLOYMENT ARTICLE, ANNOTATED CODE OF MARYLAND) AND THE U.S. DEPARTMENT OF LABOR - OSHA STANDARD 1926-1408 (POWER LINE SAFETY (UP TO 350 KV) EQUIPMENT OPERATORS).

**FOUNDATION NOTES:**

FOUNDATIONS NEED TO BE FOUNDED ON LEVEL GROUND AND ARE TO BE CONFIRMED BY THE ENGINEER IN THE FIELD AFTER EXCAVATION.

IF UNSUITABLE MATERIALS ARE ENCOUNTERED, OVEREXCAVATE AT THE DIRECTION OF THE ENGINEER AND BACKFILL WITH COMPACTED CR-6 AGGREGATE.



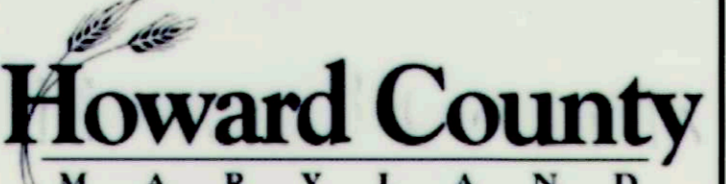

A GEOTECHNICAL ENGINEER SHALL INSPECT FOUNDATION MATERIAL AND BE ON SITE DURING CONSTRUCTION.

**EXISTING STREAM:**

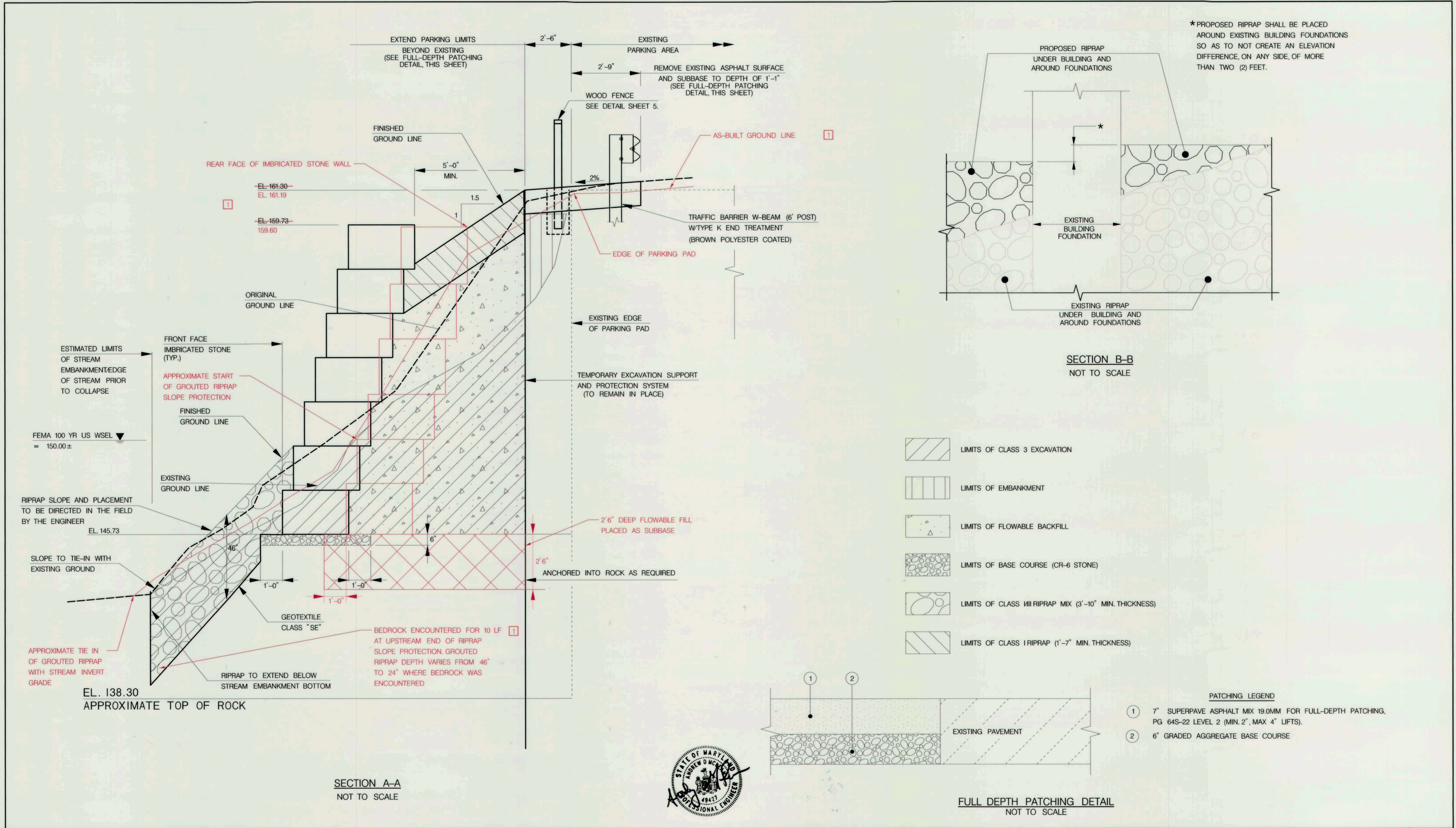
THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING CONSTRUCTION MATERIALS FROM BLOCKING THE STREAM CHANNEL. MATERIALS SHALL NOT BE STORED WITHIN THE 100YR FLOODPLAIN.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ANY CONSTRUCTION MATERIALS FROM CONTAMINATING THE STREAM.

LOOSE ROCK FROM THE EXISTING STREAM CHANNEL MAY BE UTILIZED FOR THE PROPOSED WALL CONSTRUCTION IF MEETING REQUIRED SPECIFICATIONS. ROCK EMBEDDED IN THE STREAM BED SHALL NOT BE REMOVED.

<p><b>DEPARTMENT OF PUBLIC WORKS</b> HOWARD COUNTY, MARYLAND</p>  <p>CHIEF, BUREAU OF ENVIRONMENTAL SERVICES</p>	 <p><b>McCORMICK TAYLOR</b> 509 South Exeter Street 4th Floor Baltimore, Maryland 21202 (410) 662-7400</p>	 <p><b>Howard County</b> MARYLAND Storm Water Management Division Bureau of Environmental Services 6751 Columbia Gateway Drive, Suite 514 Columbia, Maryland 21046-3143 (410) 313-6444</p>	 <p>APR 10 2017</p>	DES: JB					<p><b>OLD COLUMBIA PIKE WALL REPAIR PROJECT</b> CAPITAL PROJECT #D-1165 HOWARD COUNTY HSCD #: EP-17-36</p> <p><b>GENERAL NOTES</b></p>	SCALE NONE
				DRN: MER						
				CHK: AH						
				DATE: 4/10/17	BY	NO.	REVISION	DATE		

**RECEIVED**  
APR 19 2017  
LICENSES & PERMITS  
DIVISION



DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Mark D. P... 4/17*  
CHIEF, BUREAU OF ENVIRONMENTAL SERVICES DATE

**McCORMICK TAYLOR**  
509 South Exeter Street  
4th Floor  
Baltimore, Maryland 21202  
(410) 662-7400

**Howard County**  
MARYLAND  
Storm Water Management Division  
Bureau of Environmental Services  
6751 Columbia Gateway Drive, Suite 514  
Columbia, Maryland 21046-3143  
(410) 313-6444

STATE OF MARYLAND  
ANDREW W. KOPPEL  
PROFESSIONAL ENGINEER  
49427  
APR 10 2017

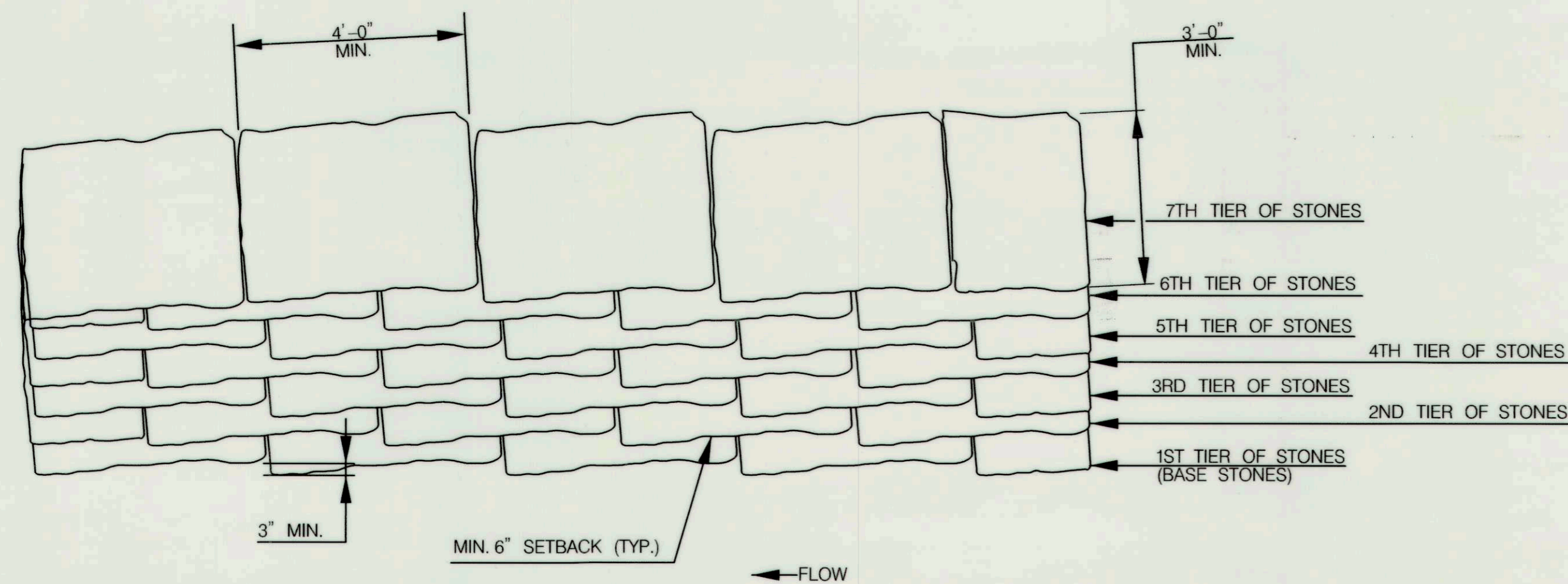
DES: JB	ADM	1	AS-BUILT SURVEY	9/5/17
DRN: MER				
CHK: AH				
DATE: 4/10/17	BY	NO.	REVISION	DATE

OLD COLUMBIA PIKE WALL REPAIR PROJECT  
CAPITAL PROJECT #D-1165  
HOWARD COUNTY  
HSCD #: EP-17-36

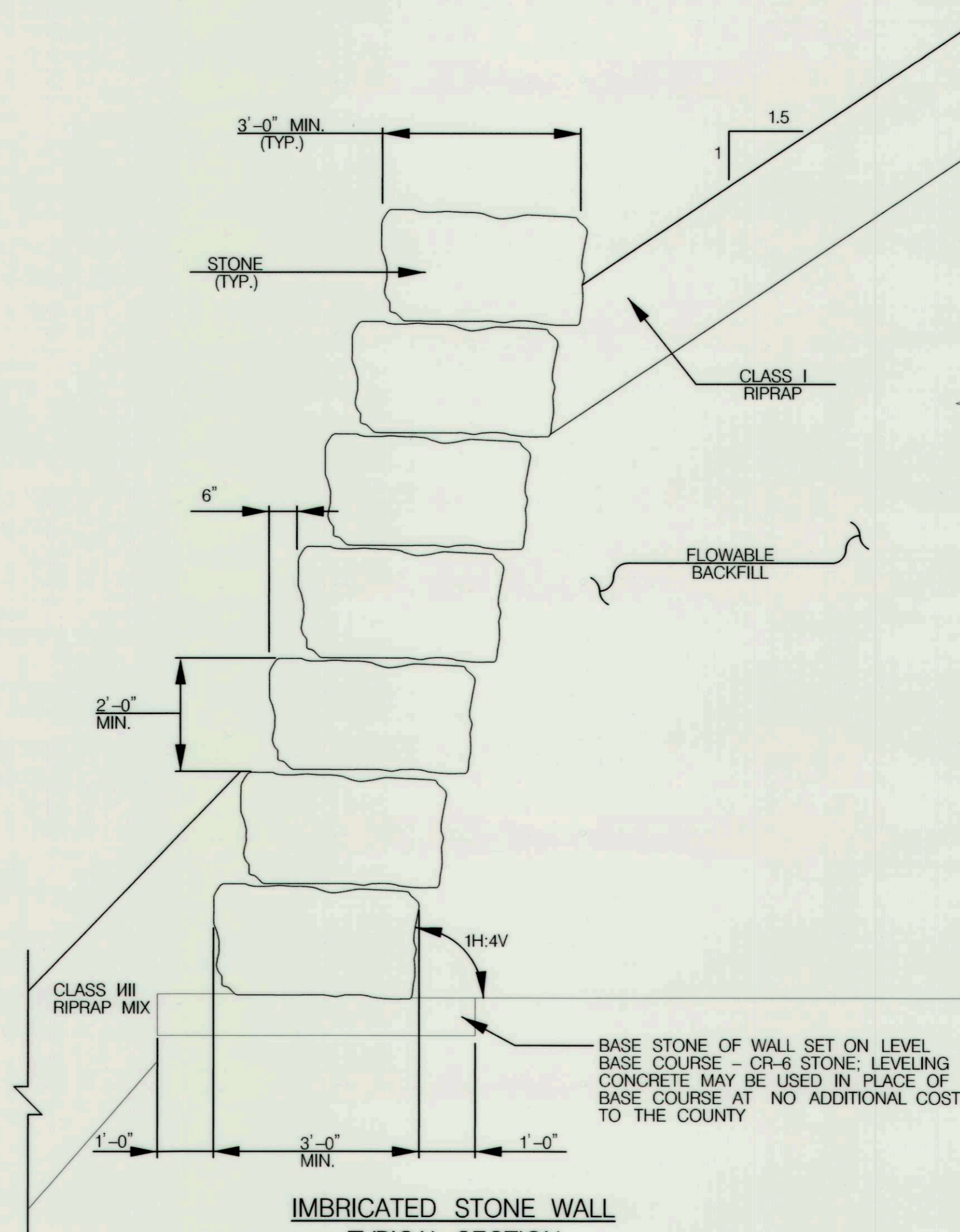
**TYPICAL SECTION**

SCALE AS NOTED  
SHEET 4 OF 9

RECEIVED  
APR 19 2017  
LICENSES & PERMITS

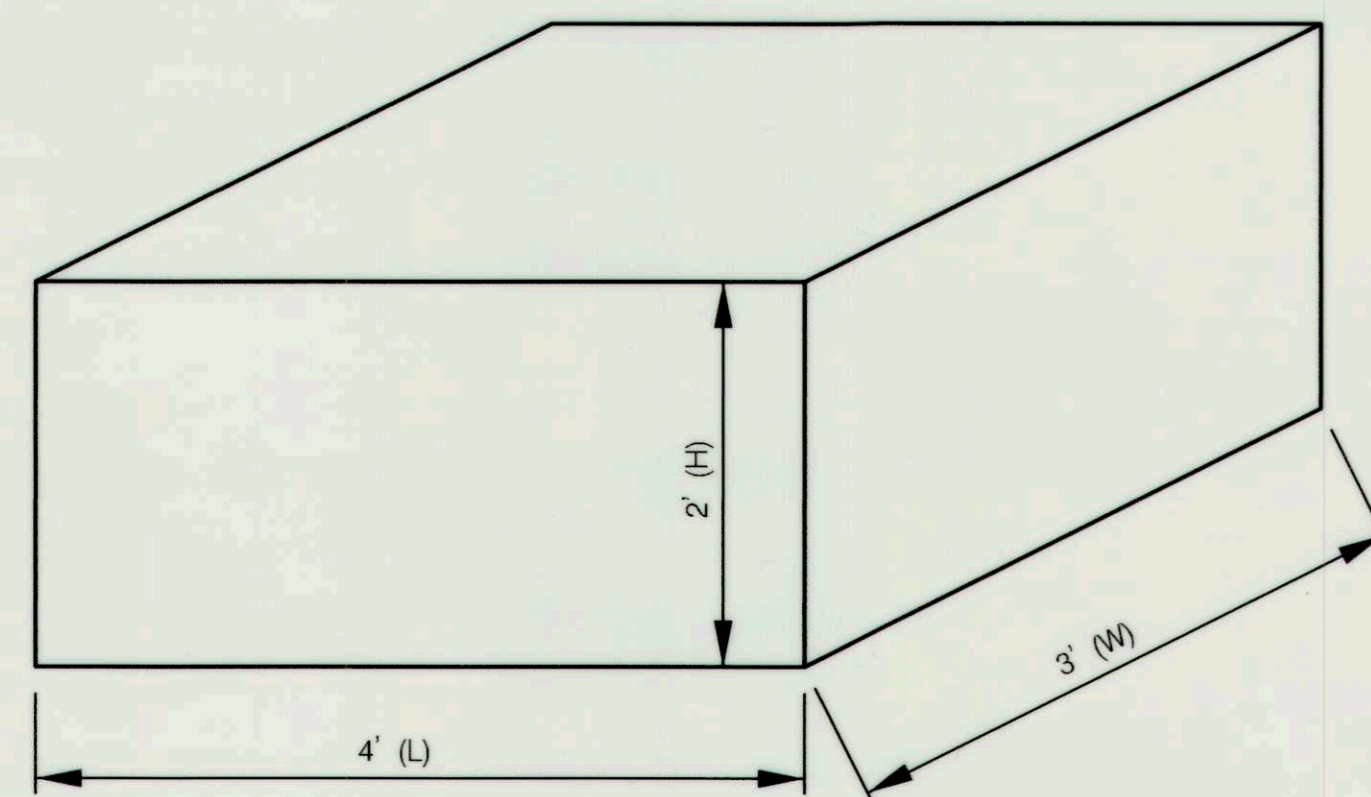


IMBRICATED STONE WALL  
PLAN VIEW  
NOT TO SCALE

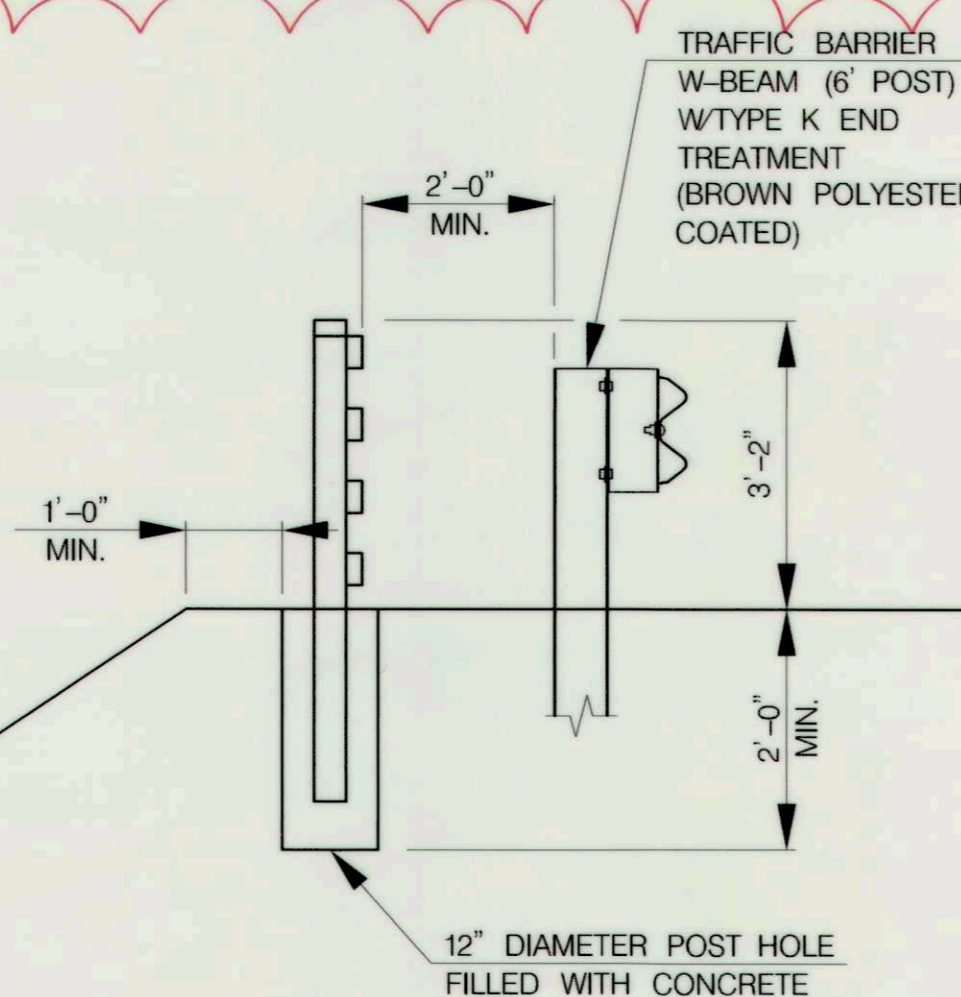


IMBRICATED STONE WALL  
TYPICAL SECTION  
NOT TO SCALE

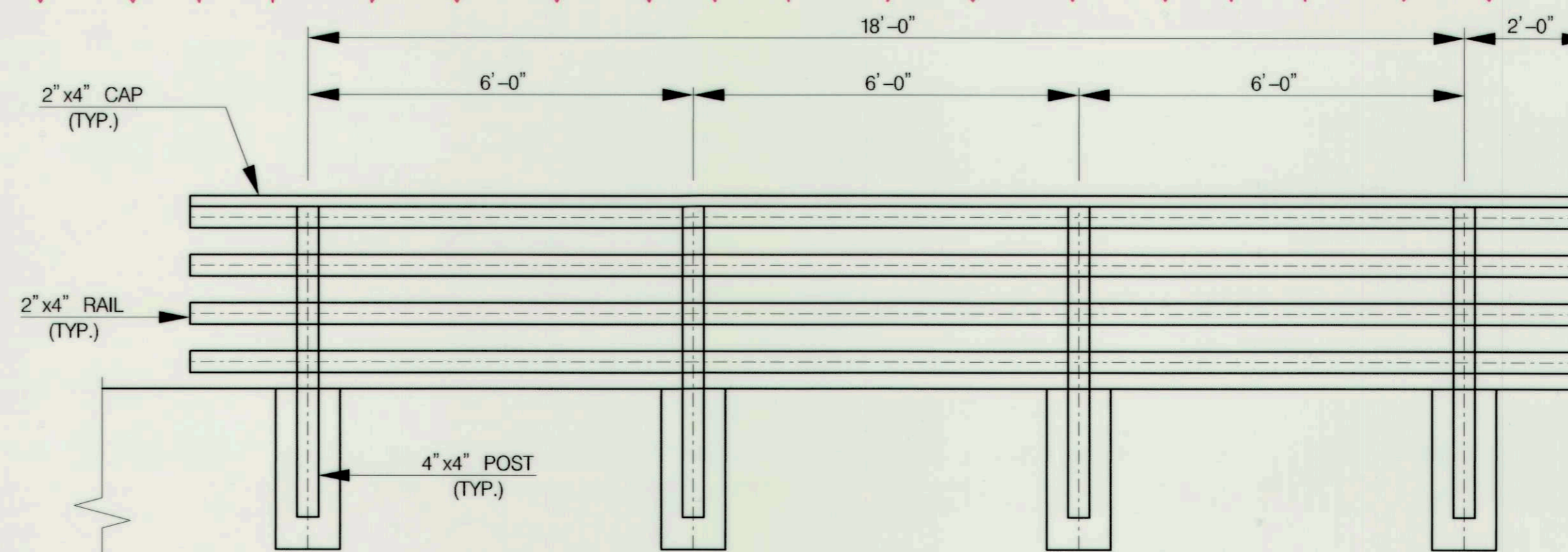
1 TEMPORARY WOOD RAIL FENCE WAS INSTALLED, BUT DID NOT MATCH THIS DETAIL. A PERMANENT, DECORATIVE METAL FENCE IS TO BE INSTALLED BY THE COUNTY.



IMBRICATED STONE DIMENSIONS  
NOT TO SCALE  
STONE TOLERANCE: +/- 6"



WOOD FENCE TYPICAL SECTION  
NOT TO SCALE



WOOD FENCE DETAIL  
NOT TO SCALE

FENCE NOTES:

1. ALL NAILS AND CONNECTIONS SHALL BE GALVANIZED.
2. ATTACH RAILS TO POST WITH A MINIMUM OF FOUR (4) 100 NAILS.
3. WOOD POST, CAP, AND RAILS SHALL BE NO. 2 GRADE LUMBER OR BETTER.
4. FILL POST HOLE WITH CONCRETE MIX NO. 3 AT EACH POST LOCATION A MINIMUM DIAMETER OF 12" WITH A DEPTH OF 24" FROM FINISHED GRADE. MINIMUM POST EMBEDMENT IS 24".
5. WOOD FENCE WILL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAR FOOT. THE PAYMENT WILL BE FULL COMPENSATION FOR EXCAVATION, CONCRETE, TIMBER, CONNECTORS AND ALL MATERIAL, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

**McCORMICK TAYLOR**  
509 South Exeter Street  
4th Floor  
Baltimore, Maryland 21202  
(410) 662-7400

**Howard County**  
MARYLAND  
Storm Water Management Division  
Bureau of Environmental Services  
6751 Columbia Gateway Drive, Suite 514  
Columbia, Maryland 21046-3143  
(410) 313-6444



DES: JB	ADM	1	AS-BUILT SURVEY	9 /05 /17
DRN: MER				
CHK: AH				
DATE: 4 /10 /17	BY	NO.	REVISION	DATE

OLD COLUMBIA PIKE WALL REPAIR PROJECT  
CAPITAL PROJECT #D-1165  
HOWARD COUNTY  
HSCD #: EP-17-36

WALL PLAN &  
SECTION DETAIL

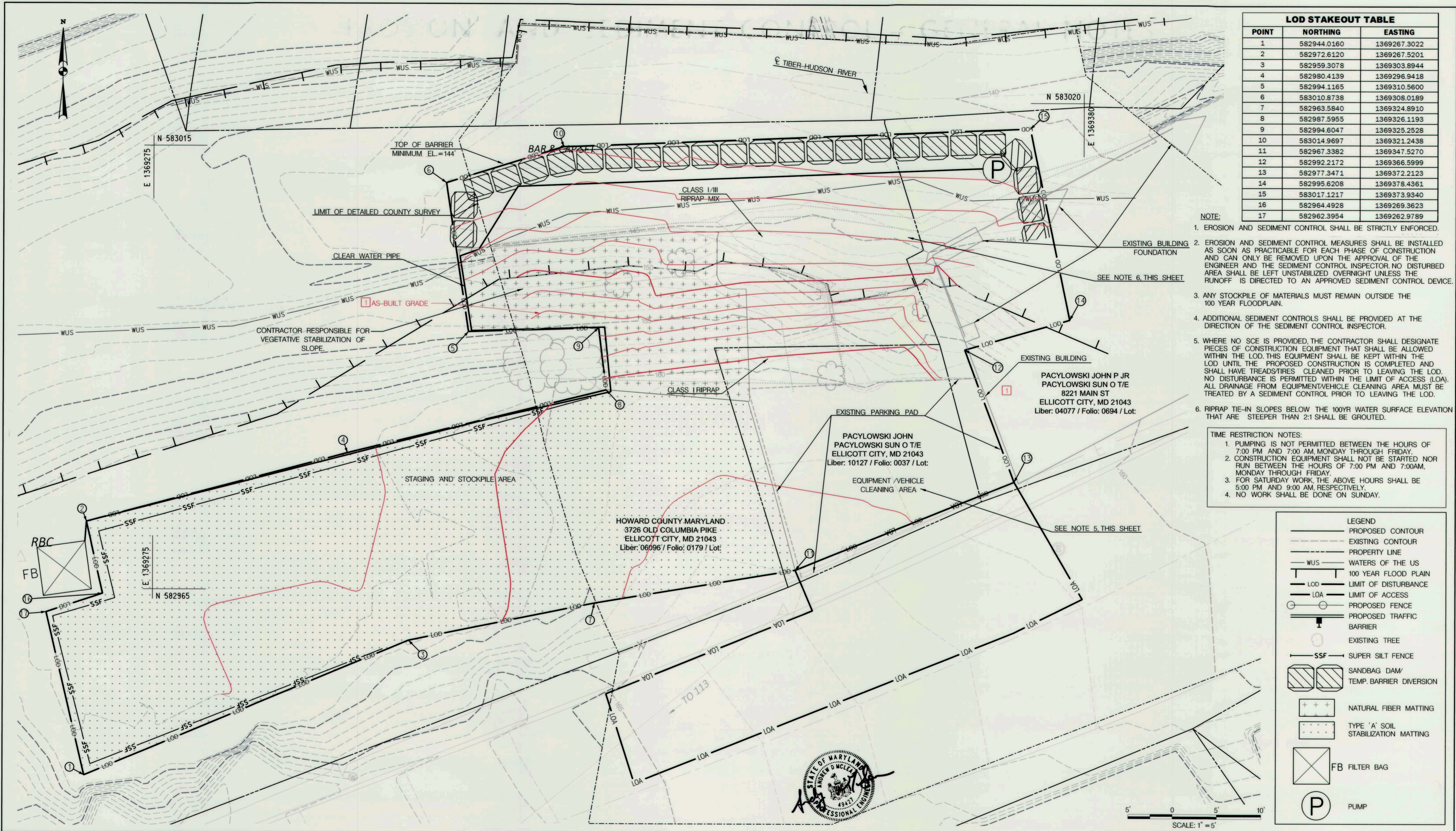
SCALE  
AS NOTED

SHEET

5 OF 9

RECEIVED  
APR 19 2017  
LICENSES & PERMITS





LOD STAKEOUT TABLE		
POINT	NORTHING	EASTING
1	582944.0160	1369267.3022
2	582972.6120	1369267.5201
3	582959.3078	1369303.8944
4	582980.4139	1369296.9418
5	582994.1165	1369310.5600
6	583010.8738	1369308.0189
7	582963.5840	1369324.8910
8	582987.5955	1369326.1193
9	582994.6047	1369325.2528
10	583014.9697	1369321.2438
11	582967.3382	1369347.5270
12	582992.2172	1369366.5999
13	582977.3471	1369372.2123
14	582995.6208	1369378.4361
15	583017.1217	1369373.9340
16	582964.4928	1369269.3623
17	582962.3954	1369262.9789

- NOTE:
- EROSION AND SEDIMENT CONTROL SHALL BE STRICTLY ENFORCED.
  - EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AS SOON AS PRACTICABLE FOR EACH PHASE OF CONSTRUCTION AND CAN ONLY BE REMOVED UPON THE APPROVAL OF THE ENGINEER AND THE SEDIMENT CONTROL INSPECTOR. NO DISTURBED AREA SHALL BE LEFT UNSTABILIZED OVERNIGHT UNLESS THE RUNOFF IS DIRECTED TO AN APPROVED SEDIMENT CONTROL DEVICE.
  - ANY STOCKPILE OF MATERIALS MUST REMAIN OUTSIDE THE 100 YEAR FLOODPLAIN.
  - ADDITIONAL SEDIMENT CONTROLS SHALL BE PROVIDED AT THE DIRECTION OF THE SEDIMENT CONTROL INSPECTOR.
  - WHERE NO SCE IS PROVIDED, THE CONTRACTOR SHALL DESIGNATE PIECES OF CONSTRUCTION EQUIPMENT THAT SHALL BE ALLOWED WITHIN THE LOD. THIS EQUIPMENT SHALL BE KEPT WITHIN THE LOD UNTIL THE PROPOSED CONSTRUCTION IS COMPLETED AND SHALL HAVE TREADSTIRES CLEANED PRIOR TO LEAVING THE LOD. NO DISTURBANCE IS PERMITTED WITHIN THE LIMIT OF ACCESS (LOA). ALL DRAINAGE FROM EQUIPMENT/VEHICLE CLEANING AREA MUST BE TREATED BY A SEDIMENT CONTROL PRIOR TO LEAVING THE LOD.
  - RIPRAP TIE-IN SLOPES BELOW THE 100YR WATER SURFACE ELEVATION THAT ARE STEEPER THAN 2:1 SHALL BE GROUTED.

- TIME RESTRICTION NOTES:
- PUMPING IS NOT PERMITTED BETWEEN THE HOURS OF 7:00 PM AND 7:00 AM, MONDAY THROUGH FRIDAY.
  - CONSTRUCTION EQUIPMENT SHALL NOT BE STARTED NOR RUN BETWEEN THE HOURS OF 7:00 PM AND 7:00AM, MONDAY THROUGH FRIDAY.
  - FOR SATURDAY WORK, THE ABOVE HOURS SHALL BE 5:00 PM AND 9:00 AM, RESPECTIVELY.
  - NO WORK SHALL BE DONE ON SUNDAY.

LEGEND	
	PROPOSED CONTOUR
	EXISTING CONTOUR
	PROPERTY LINE
	WATERS OF THE US
	100 YEAR FLOOD PLAN
	LIMIT OF DISTURBANCE
	LIMIT OF ACCESS
	PROPOSED FENCE
	PROPOSED TRAFFIC BARRIER
	EXISTING TREE
	SUPER SILT FENCE
	SANDBAG DAM/ TEMP. BARRIER DIVERSION
	NATURAL FIBER MATTING
	TYPE 'A' SOIL STABILIZATION MATTING
	FB FILTER BAG
	PUMP

SCALE: 1" = 5'

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*[Signature]*  
CHIEF, BUREAU OF ENVIRONMENTAL SERVICES

DATE: 4/10/17

**McCORMICK TAYLOR**

509 South Exeter Street  
4th Floor  
Baltimore, Maryland 21202  
(410) 662-7400

**Howard County**  
MARYLAND

Storm Water Management Division  
Bureau of Environmental Services  
6751 Columbia Gateway Drive, Suite 514  
Columbia, Maryland 21046-3143  
(410) 313-6444



DES: ADM	ADM		AS-BUILT SURVEY	9 /5/17
DRN: MER				
CHK: AH				
DATE: 4 /10/17	BY	NO.	REVISION	DATE

OLD COLUMBIA PIKE WALL REPAIR PROJECT  
CAPITAL PROJECT #D-1165  
HOWARD COUNTY  
HSCD #: EP-17-36

**EROSION AND SEDIMENT CONTROL PLAN**

SCALE: 1" = 5'

SHEET: 7 OF 9

RECEIVED  
APR 13 2017  
LICENSES & PERMITS DIVISION





HOWARD COUNTY

Project No. 2013055.101		LOG OF BOREHOLE B-1		Sheet 1 of 1			
CLIENT: McCormick Taylor		PROJECT: Ellicott City Precious Gifts					
ARCHITECT/ENGINEER:		SITE: Ellicott City Howard County, Maryland					
SURFACE ELEV.: 0.6 7" Asphalt	GRAPHIC LOG	SAMPLES			TESTS		
		DEPTH (FT)	BLOWS/6" N-VALUE ROD	NUMBER	TYPE	IN. RECOVERED IN. DRIVEN	MOISTURE (%) DRY DENSITY (PCF) Qu (TSF) % PASSING #200 SIEVE
Medium dense, dense to loose brown, dark brown and light gray SILTY SAND (SM) with clay, gravel and cobbles (Possible Fill)		5-8 7 N=15	1	SS	14/18 78%		
		15-25 9 N=34	2	SS	12/18 67%		
		3-3 5 N=8	3	SS	12/18 67%		
8.0 Medium dense brown, greenish gray and gray SILTY SAND (SM) with rock fragments (Decomposed Rock)		7-9 12 N=21	4	SS	14/18 78%		
		8-10 16 N=26	5	SS	14/18 78%		
		5-8 4 N=12	6	SS	14/18 78%		
23.0 Auger and spoon refusal @ 23 ft End of Boring @ 23 ft Borehole was backfilled and patched upon completion		51/0"	7	SS	0/0 %		
WATER LEVEL OBSERVATIONS		AB Consultants, Inc. 9450 Annapolis Road Lanham, MD 20706 Phone: 301-306-3091 Fax: 301-306-3092		STARTED: 2/22/17	FINISHED: 2/22/17		
WL	Dry @ Drilling	DRILL CO.:	ABC	DRILL RIG:	B-61		
WL	Dry, caved-in 12 ft @ 0 Hrs	DRILLER:	PS	ASST DRILLER:			
		LOGGED BY:		APPROVED:			

BOREHOLE B-1 STATION: 0+08.73  
BOREHOLE B-1 OFFSET: 27.45' L

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

**McCORMICK TAYLOR**  
509 South Exeter Street  
4th Floor  
Baltimore, Maryland 21202  
(410) 662-7400

**Howard County**  
MARYLAND  
Storm Water Management Division  
Bureau of Environmental Services  
6751 Columbia Gateway Drive, Suite 514  
Columbia, Maryland 21046-3143  
(410) 313-6444



DES: JB				
DRN: MER				
CHK: AH				
DATE: 4/10/17	BY	NO.	REVISION	DATE

OLD COLUMBIA PIKE WALL REPAIR PROJECT  
CAPITAL PROJECT #D-1165  
HOWARD COUNTY  
HSCD #: EP-17-36  
**BORING LOG**

SCALE AS NOTED  
SHEET 9 OF 9

*[Signature]*  
CHIEF, BUREAU OF ENVIRONMENTAL SERVICES  
DATE: 4/10/17

RECEIVED  
APR 19 2017  
LICENSES & PERMITS