

ROLAND RUN AT THORNTON ROAD STREAM RESTORATION PROJECT

PROJECT LENGTH: 2,700 L.F. OR 0.51 MILES

GENERAL NOTES

1. COORDINATES, BEARINGS, AND DISTANCES SHOWN HEREON ARE REFERRED TO THE MARYLAND COORDINATE SYSTEM (NAD 83/91, NAVD88) AND TIED TO BALTIMORE COUNTY SURVEY CONTROL POINTS:

635 N 637701.32 E 1411983.80 ELEV. 288.29

636 N 636082.28 E 1411828.16 ELEV. 261.40

2. SITE INFORMATION:
OWNER NAME/ADDRESS: BALTIMORE COUNTY MARYLAND
HISTORIC COURTHOUSE
400 WASHINGTON AVENUE
TOWSON, MD 21204

PREMISE ADDRESS:

JEFFERS RD
TOWSON, MD 21204
TAX MAP: 60 GRID: 22 PARCEL: 619 & 620
DEED REFERENCE: 03000 : 0248
ZONING: DR 1
ACREAGE: 8.96 AC & 4.40 AC

3. CONTACT MISS UTILITY (1-800-257-7777) A MINIMUM OF 48 HOURS IN ADVANCE OF STARTING ON-SITE CONSTRUCTION.
4. PROPERTY LINES SHOWN ARE FOR OUTLINE PURPOSES ONLY AND ARE APPROXIMATE. THIS PLAN IS NOT INTENDED TO BE A PROPERTY LINE SURVEY.

5. THE EXISTING UTILITIES AND OBSTRUCTIONS SHOWN ARE FROM THE BEST AVAILABLE RECORDS AND SHALL BE VERIFIED BY THE CONTRACTOR TO HIS SATISFACTION PRIOR TO CONSTRUCTION. NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SERVICES AND MAINS AND ANY DAMAGE TO THEM SHALL BE REPAIRED IMMEDIATELY AT HIS OWN EXPENSE.

SHOULD DAMAGE OCCUR TO THE SEWER LINES THAT RESULT IN ANY LIQUID OR SOLID MATTER FROM THE SEWER COLLECTION SYSTEM TO BE SPILLED, DISCHARGED, OR OTHERWISE DEPOSITED TO THE OPEN ENVIRONMENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CLEANUP AND DISINFECTION OF THE AFFECTED AREA AND ALL ASSOCIATED COSTS, INCLUDING FINES OR PENALTIES RESULTING FROM DISCHARGE.

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR NOTIFYING BALTIMORE COUNTY BUREAU OF UTILITIES AT 410-887-7415 AND THE MARYLAND DEPARTMENT OF THE ENVIRONMENT AT 410-537-3510 WITHIN 24 HOURS OF ANY SEWER SPILLS.

6. FIELD RUN TOPOGRAPHIC SURVEY WAS COMPLETED BY AB CONSULTANTS IN MARCH 2017.

7. IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NATURALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLETE SUCH WORK.

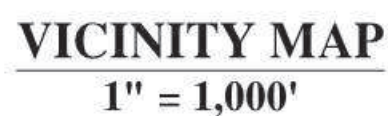
8. DUE TO INTERIM STREAM BED AND BANK EROSION, AND/OR THE ABSENCE OF DETAILED FIELD RUN TOPOGRAPHY, PROPOSED STREAM STABILIZATION STRUCTURES SHALL BE CONDUCTED AS DIRECTED BY THE ENGINEER IN THE FIELD.

9. ROLAND RUN, AND THE UNNAMED TRIBUTARY TO ROLAND RUN ARE DESIGNATED AS STREAM USE I. IN STREAM WORK SHALL NOT BE CONDUCTED DURING THE PERIOD MARCH 1 THROUGH JUNE 15, INCLUSIVE, DURING ANY YEAR (COMAR 26.08.02.11).

10. THE PROPOSED GRADING SHOWN ON THIS PLAN MEETS THE REQUIREMENTS SET FORTH BY BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY AND COMPLIES WITH ARTICLE 33, TITLE 5 OF THE BALTIMORE COUNTY CODE. HOWEVER, DUE TO BUILDING TYPES AND LAYOUT, SOME FIELD ADJUSTMENTS MAY BE REQUIRED. ALL CHANGES MUST COMPLY WITH THE ABOVE MENTIONED REQUIREMENTS.

11. ALL SWALES HAVE BEEN DESIGNED BY THE ENGINEER TO CONVEY RUNOFF ACCORDING TO BALTIMORE COUNTY DEPARTMENT OF PUBLIC WORKS DESIGN STANDARDS.

12. THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION OR DISTURBANCE OF VEGETATION IN THE FOREST BUFFER EASEMENT OR OTHER FOREST RETENTION AREAS, EXCEPT AS PERMITTED BY THE BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY.



OVERALL LIMIT OF DISTURBANCE: 123,708 SQ. FT // 2.84 AC.

BALTIMORE COUNTY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AND SUSTAINABILITY

FOREST CONSERVATION PLAN APPROVAL

APPROVED BY: _____ DATE: _____
ENVIRONMENTAL IMPACT REVIEW, DNR APPROVED QUALIFIED PROFESSIONAL

FOREST CONSERVATION PLAN # _____


DATE _____

DATE _____


PLAN NC


TECHNICAL REVIEW FOR THE DISTRICT BY:

IF A GRADING PERMIT HAS NOT BEEN OBTAINED WITHIN TWO YEARS OF THIS APPROVAL, THIS PLAN SHALL BE RE-SUBMITTED TO THE DISTRICT.

SHEET DESIGNATION	CONTRACT NUMBER
GP-01 OF 01	
	JOB ORDER NUMBER
	SHEET 01 OF 30
	DRAWING NUMBER
	FILE NO.:

PRINT NAME _____	TITLE _____
DEPARTMENT OF ENVIRONMENTAL PROTECTION & SUSTAINABILITY	
APPROVED _____	DIRECTOR _____
DATE _____	


CENTURY
ENGINEERING
 CONSULTING ENGINEERS – PLANNERS
 10710 GILROY ROAD
 HUNT VALLEY, MD 21031
 Phone: (443) 589-2400 Fax: (443) 589-2401

SEAL	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. _____ EXPIRATION DATE _____ ENGINEER: <u>CRAIG A. LYNCH</u>  TMC CENTURY ENGINEERING CONSULTING ENGINEERS - PLANNERS 1070 GILKEY ROAD CLANT VALLEY, MD 20831 Phone: (443) 599-2400 Fax: (443) 599-2401	AS-BUILT PER RECORD PRINT BY: _____ DATE: _____ R.O.W. NO. _____ HNE 6-7 SW26	REVISION BY DATE P.W.A. NO. KEY SHEET POSITION SH1 DRAWING SCALE DEPARTMENT OF PUBLIC WORKS DESIGN AND DRAWING BASED ON MARYLAND COORDINATE SYSTEM: HORIZONTAL - NAD 83/91; VERTICAL - NAVD 88 GP-01 OF 01	BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION & SUSTAINABILITY COVER SHEET ROLAND RUN AT THORNTON ROAD STREAM RESTORATION SUBDIVISION: TOWSON 90% DESIGN - NOT FOR CONSTRUCTION ELECTION DIST.: 8	BALTIMORE COUNTY MARYLAND JOB ORDER NUMBER SHEET 01 of 30 DRAWING NUMBER FILE NO.:
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OVERVIEW SHEET
SCALE 1" = 100'



DEPARTMENT OF ENVIRONMENTAL
PROTECTION & SUSTAINABILITY

APPROVED _____ DIRECTOR

DATE _____

SEAL	PROFESSIONAL CERTIFICATION		AS-BUILT PER RECORD PRINT		REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE		DEPARTMENT OF PUBLIC WORKS	
	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. _____ EXPIRATION DATE _____		BY: _____									PLAN SCALE: 1" = 100'		APPROVED BY: _____ DIRECTOR	
			DATE: _____									HOR: _____		DATE: _____	
												VERT: _____			
	ENGINEER: CRAIG A. LYNCH THIRTY CENTURY CONSULTING ENGINEERS - PLANNERS 1070 GLENN ROAD HUNT VALLEY, MD 20881 Phone: (443) 589-2400 Fax: (443) 589-2401		DSGN BY: A.E.B. / S.E.H.	BUREAU OF ENGINEERING AND CONSTRUCTION	BUILDINGS	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	BUR. OF ENGINEERING & CONSTRUCTION			
			DWN BY: J.S.T.	REVIEWED BY:								APPROVED BY: _____ CHIEF			
			CHKD BY: CAL	DATE REVIEWED:								DATE: _____			

SHEET DESIGNATION		CONTRACT NUMBER	
OV-01 OF 01			
		JOB ORDER NUMBER	
		SHEET 02 OF 30	
		DRAWING NUMBER	
		FILE NO.:	


DESIGN AND DRAWING BASED ON MARYLAND COORDINATE SYSTEM: HORIZONTAL - NAD 83/91; VERTICAL - NAVD 88

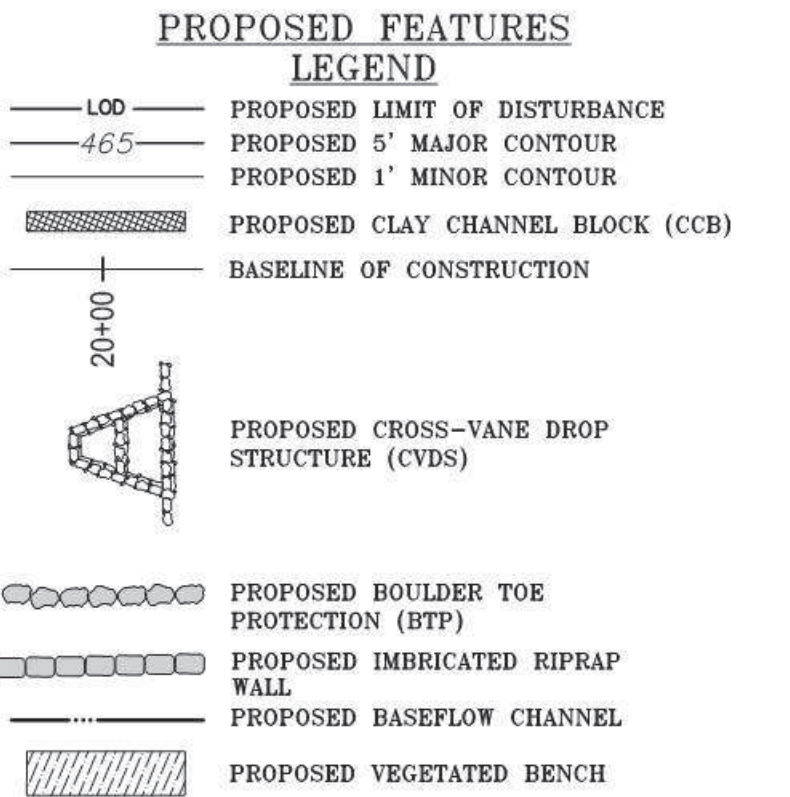
BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION & SUSTAINABILITY

OVERVIEW SHEET


ROLAND RUN AT THORNTON ROAD
STREAM RESTORATION

SUBDIVISION: TOWSON 90% DESIGN - NOT FOR CONSTRUCTION ELECTION DIST.: 8

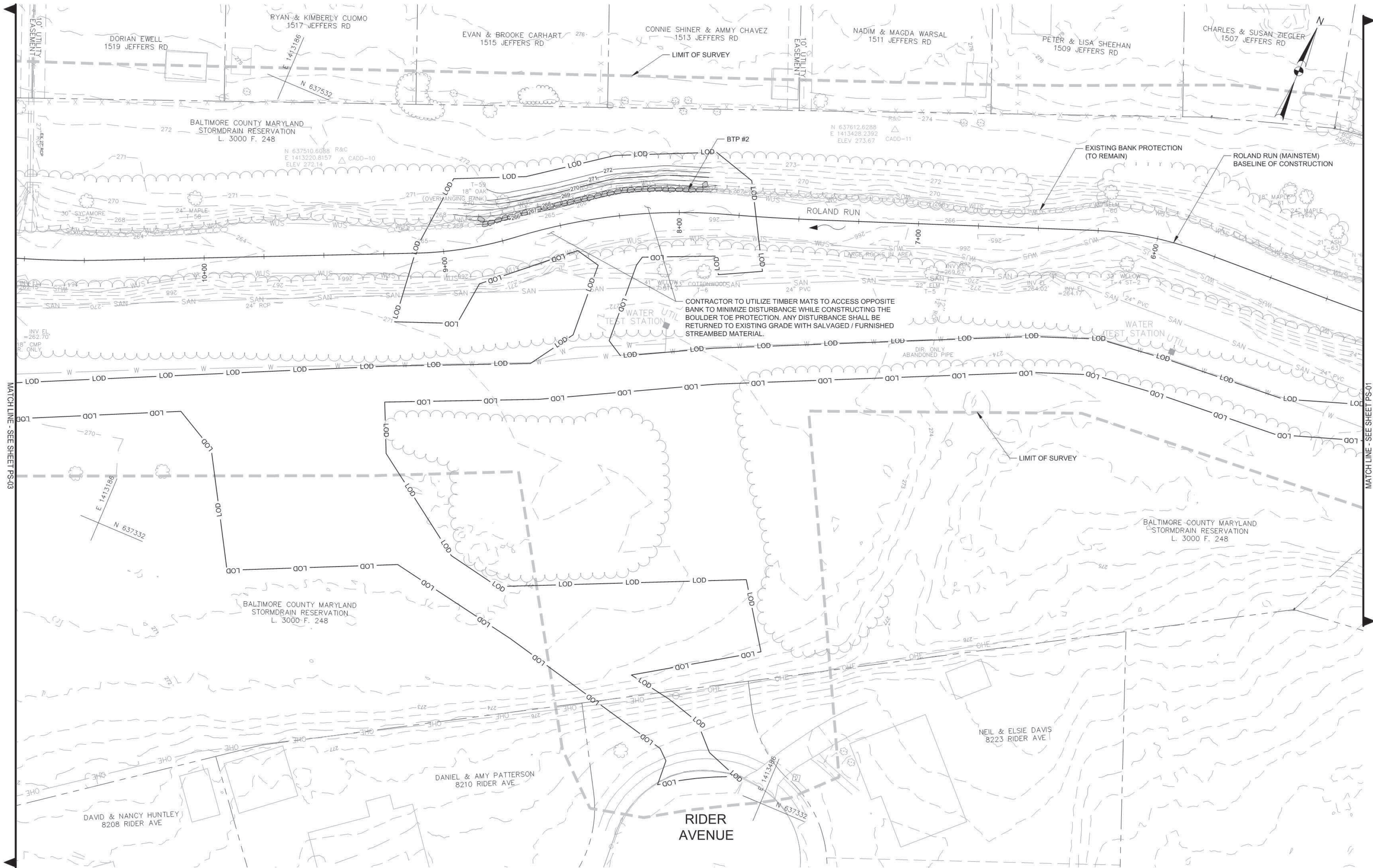




SHEET DESIGNATION	CONTRACT NUMBER
PS-01 OF 05	
	JOB ORDER NUMBER
	SHEET 03 OF 30
	DRAWING NUMBER
	FILE NO.:

DESIGN AND DRAWING BASED ON MARYLAND COORDINATE SYSTEM: HORIZONTAL - NAD 83/91; VERTICAL - NAVD 88			PS-01 OF 05	
BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION & SUSTAINABILITY				JOB ORDER NUMBER
<p style="text-align: center;">GRADING PLAN SHEET</p> <p style="text-align: center;">ROLAND RUN AT THORNTON ROAD</p> <p style="text-align: center;">STREAM RESTORATION</p>				<p>SHEET 03 of 30</p> <p>DRAWING NUMBER</p>
<p>SUBDIVISION: TOWSON 90% DESIGN - NOT FOR CONSTRUCTION ELECTION DIST.: 8</p>				FILE NO.

\\vmbh\h\Projects\2016\Transportation\141207.01_Rd. Co. Roland Run Stream Project\CADD\141207.01_Roland Run_Plan_Sheets.dwg



BOULDER TOE PROTECTION (BTP)					
BTP #	FROM STA.	OFFSET	TO STA.	OFFSET	LENGTH (LF)
2	7+90.50	8.70 R	8+81.80	7.90 R	91

PROPOSED FEATURES LEGEND	
	PROPOSED LIMIT OF DISTURBANCE
	PROPOSED 5' MAJOR CONTOUR
	PROPOSED 1' MINOR CONTOUR
	PROPOSED CLAY CHANNEL BLOCK (CCB)
	BASILINE OF CONSTRUCTION
	PROPOSED CROSS-VANE DROP STRUCTURE (CVDS)
	PROPOSED BOULDER TOE PROTECTION (BTP)
	PROPOSED IMBRICATED RIPRAP WALL
	PROPOSED BASEFLOW CHANNEL
	PROPOSED VEGETATED BENCH

DEPARTMENT OF ENVIRONMENTAL
PROTECTION & SUSTAINABILITY
APPROVED _____ DIRECTOR
DATE _____

20' 0 20' 40'
ORIGINAL SCALE: 1"=20'

PLAN
SCALE 1" = 20'

NOTE:
1. NOT ALL PROPOSED STONE IS SHOWN IN PLAN VIEW. SEE TYPICAL DETAILS, PROFILE, AND CROSS-SECTIONS FOR ADDITIONAL INFORMATION.

2. SEWER LINES WERE LOCATED DURING FIELD SURVEY. ELEVATIONS WERE INTERPOLATED FROM SURVEY AND ARE FOR INFORMATIONAL PURPOSES ONLY. ONLY SEWER LINE CROSSINGS WITHIN THE LOD ARE SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL SANITARY SEWER LINES.

SHEET DESIGNATION	CONTRACT NUMBER
PS-02 OF 05	
JOB ORDER NUMBER	
SHEET 04 OF 30	
DRAWING NUMBER	
FILE NO.:	



ELECTION DIST.: 8

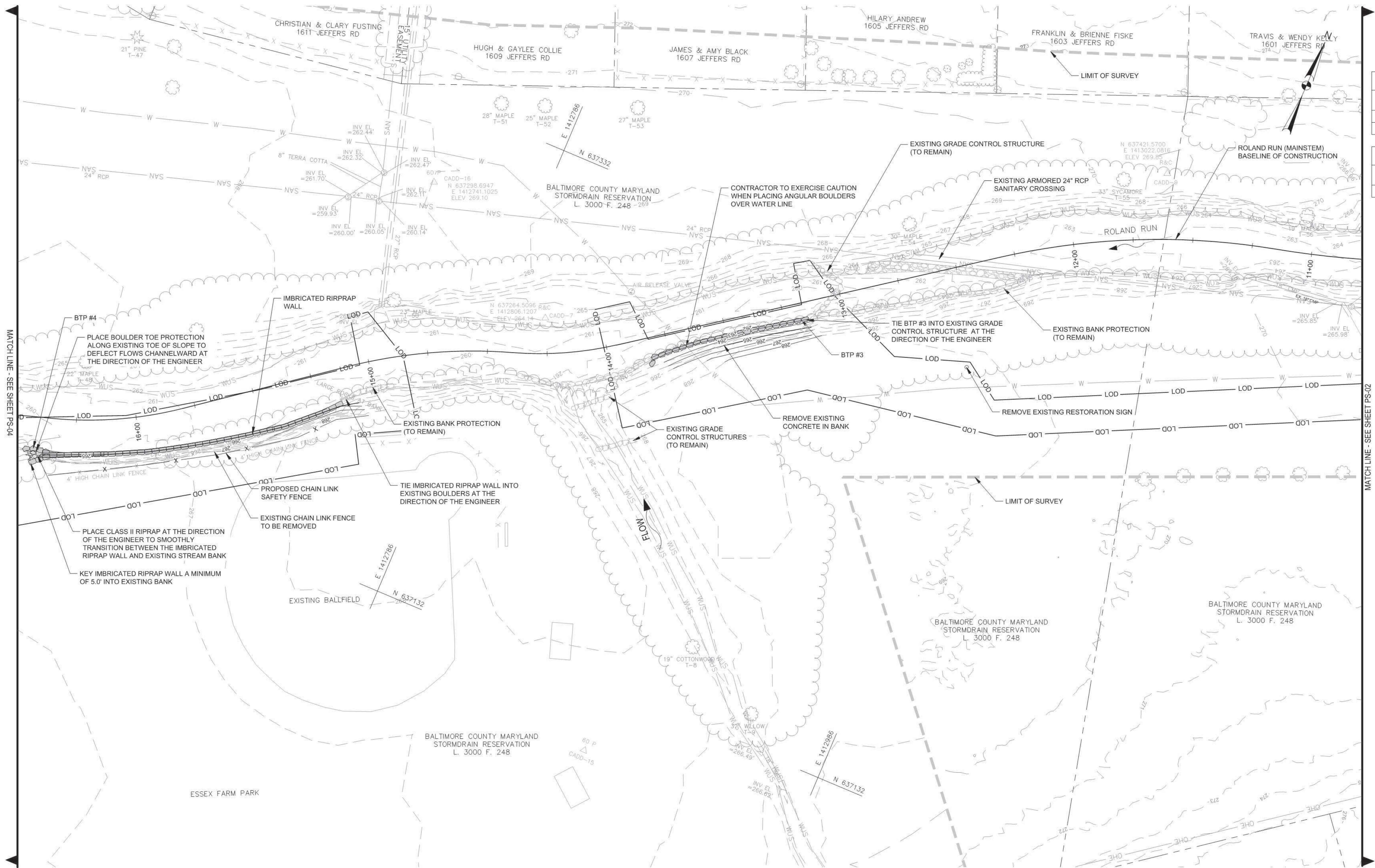
SUBDIVISION: TOWSON

GRADING PLAN SHEET
ROLAND RUN AT THORNTON ROAD
STREAM RESTORATION
90% DESIGN - NOT FOR CONSTRUCTION

DEPARTMENT OF PUBLIC WORKS	BUR. OF ENGINEERING & CONSTRUCTION
APPROVED BY: _____ DIRECTOR	APPROVED BY: _____ CHIEF
DATE: _____	DATE: _____

PROFESSIONAL CERTIFICATION	AS-BUILT PER RECORD PRINT	REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	DEPARTMENT OF PUBLIC WORKS
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. _____ EXPIRATION DATE _____	BY: _____ DATE: _____				R.O.W. NO.	HNE	6-7 SW26	PLAN SCALE: 1" = 20' HOR. VERT.	
ENGINEER: CRAIG A. LYNCH MCM CENTURY ENGINEERING CONSULTING ENGINEERS - PLANNERS 8700 GLENN ROAD HART VILLE, MD 21081 PHONE: (443) 589-2400 FAX: (443) 589-2401	DSGN BY: A.E.B. / S.E.H. BUREAU OF ENGINEERING AND CONSTRUCTION DWN BY: J.S.T. CHKD BY: C.A.L.	BUILDINGS HIGHWAYS STRUCTURES STORM DRAINS SEWER WATER FIELD ENGINEER							

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BOULDER TOE PROTECTION (BTP)					
BTP #	FROM STA.	OFFSET	TO STA.	OFFSET	LENGTH (LF)
3	13+15.00	6.33 L	13+82.79	7.82 L	68
4	16+34.62	13.47 L	16+46.48	12.68 L	12

IMBRICATED RIPRAP WALL (IRW)					
IRW #	FROM STA.	OFFSET	TO STA.	OFFSET	LENGTH (LF)
1	15+15.07	13.18 L	16+34.62	14.45 L	120

PROPOSED FEATURES
LEGEND

- LOD PROPOSED LIMIT OF DISTURBANCE
- 465 PROPOSED 5' MAJOR CONTOUR
- PROPOSED 1' MINOR CONTOUR
- PROPOSED CLAY CHANNEL BLOCK (CCB)
- BASILINE OF CONSTRUCTION
- PROPOSED CROSS-VANE DROP STRUCTURE (CVDS)
- PROPOSED BOULDER TOE PROTECTION (BTP)
- PROPOSED IMBRICATED RIPRAP WALL
- PROPOSED BASEFLOW CHANNEL
- PROPOSED VEGETATED BENCH

DEPARTMENT OF ENVIRONMENTAL
PROTECTION & SUSTAINABILITY

APPROVED _____ DIRECTOR

DATE _____



PLAN
SCALE 1" = 20'

NOTE:
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MCM CENTURY ENGINEERING
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1070 GLENN ROAD
HART VILLE, MD 21081
Phone: (443) 589-2400 Fax: (443) 589-2401

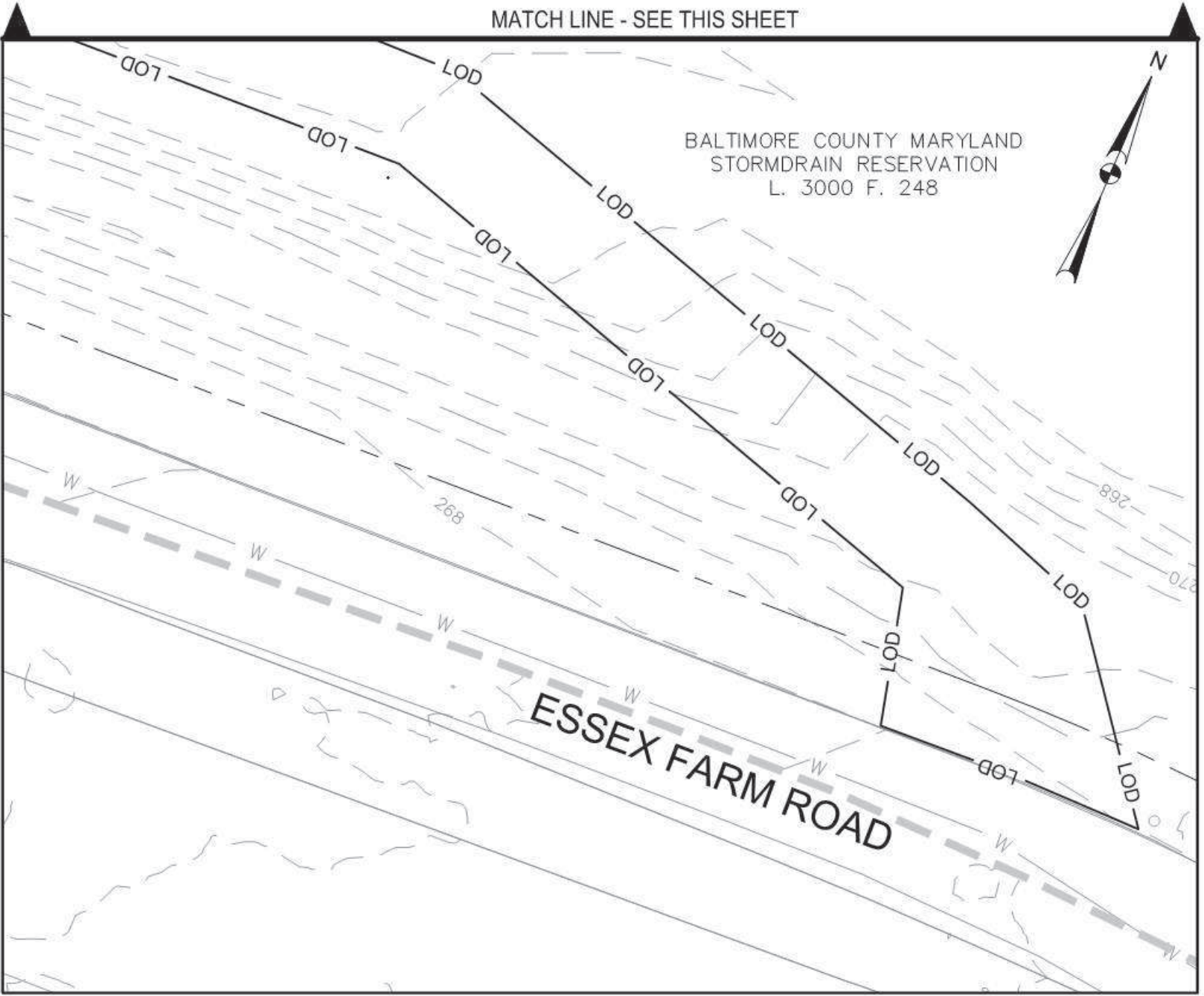
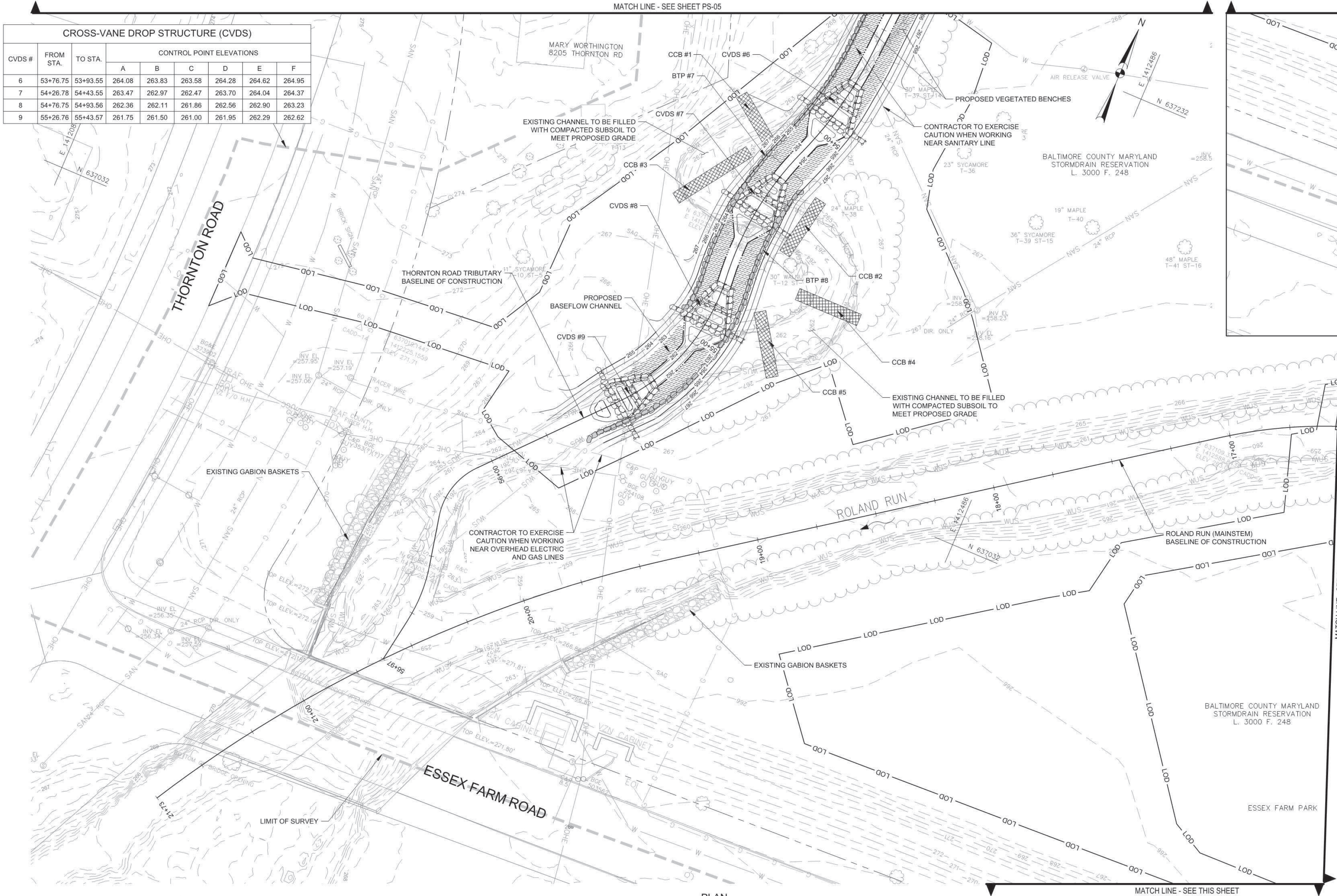
AS-BUILT PER RECORD PRINT
BY: _____
DATE: _____
DGN BY: A.E.B. / S.E.H.
DWN BY: J.S.T.
CHKD BY: C.A.L.

REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	DEPARTMENT OF PUBLIC WORKS
			R.O.W. NO.	HNE	6-7 SW26	PLAN SCALE: 1" = 20' HOR. VERT.	APPROVED BY: _____ DIRECTOR
						PROFILE SCALE: _____	DATE: _____
							BUR. OF ENGINEERING & CONSTRUCTION
							APPROVED BY: _____ CHIEF
							DATE: _____

DEPARTMENT OF PUBLIC WORKS
DESIGN AND DRAWING BASED ON MARYLAND COORDINATE SYSTEM: HORIZONTAL - NAD 83/91; VERTICAL - NAVD 88
BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION & SUSTAINABILITY

GRADING PLAN SHEET
ROLAND RUN AT THORNTON ROAD
STREAM RESTORATION
90% DESIGN - NOT FOR CONSTRUCTION
SUBDIVISION: TOWSON
ELECTION DIST.: 8

CROSS-VANE DROP STRUCTURE (CVDS)							
CVDS #	FROM STA.	TO STA.	CONTROL POINT ELEVATIONS				
			A	B	C	D	E
6	53+76.75	53+93.55	264.08	263.83	263.58	264.28	264.62
7	54+26.78	54+43.55	263.47	262.97	262.47	263.70	264.04
8	54+76.75	54+93.56	262.36	262.11	261.86	262.56	262.90
9	55+26.76	55+43.57	261.75	261.50	261.00	261.95	262.29



CLAY CHANNEL BLOCK (CCB)				
CCB #	FROM STA.	OFFSET	TO STA.	OFFSET
1	54+11.69	34.36 R	54+17.15	12.62 R
2	54+21.60	19.22 L	54+52.65	18.73 L
3	54+24.66	16.51 R	54+52.11	31.76 R
4	54+69.15	30.09 L	54+72.42	57.60 L
5	54+80.01	17.84 L	54+96.42	35.17 L

BOULDER TOE PROTECTION (BTP)					
BTP #	FROM STA.	OFFSET	TO STA.	OFFSET	LENGTH (LF)
7	53+46.75	9.00 R	54+89.80	9.00 R	143
8	54+25.00	9.00 L	55+57.70	7.43 L	133

NOTE: ONLY THE EXTENT OF BOULDER TOE PROTECTION SHOWN ON THIS SHEET IS ACCOUNTED FOR IN THE STATION, OFFSETS, AND LENGTH SHOWN.

PROPOSED FEATURES

LEGEND

- LOD PROPOSED LIMIT OF DISTURBANCE
- 465 PROPOSED 5' MAJOR CONTOUR
- PROPOSED 1' MINOR CONTOUR
- PROPOSED CLAY CHANNEL BLOCK (CCB)
- BASELINE OF CONSTRUCTION
- 20+00 PROPOSED CROSS-VANE DROP STRUCTURE (CVDS)
- PROPOSED BOULDER TOE PROTECTION (BTP)
- PROPOSED IMPRIBATED RIPRAP WALL
- PROPOSED BASEFLOW CHANNEL
- PROPOSED VEGETATED BENCH

- NOTES:
- NOT ALL PROPOSED STONE IS SHOWN IN PLAN VIEW. SEE TYPICAL DETAILS, PROFILE, AND CROSS-SECTIONS FOR ADDITIONAL INFORMATION.
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DEPARTMENT OF ENVIRONMENTAL PROTECTION & SUSTAINABILITY
APPROVED _____ DIRECTOR
DATE _____



PLAN
SCALE 1" = 20'

SEALED
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BOULDER TOE PROTECTION (BTP)					
BTP #	FROM STA.	OFFSET	TO STA.	OFFSET	LENGTH (LF)
5	50+00.8	4.00 L	52+30.10	9.00 L	229
6	50+74.5	9.00 R	51+55.40	9.00 R	81
7	53+42.00	9.00 R	53+46.75	9.00 R	5

NOTE: ONLY THE EXTENT OF BOULDER TOE PROTECTION SHOWN ON THIS SHEET IS ACCOUNTED FOR IN THE STATION, OFFSETS, AND LENGTH SHOWN.

CROSS-VANE DROP STRUCTURE (CVDS)								
CVDS #	FROM STA.	TO STA.	CONTROL POINT ELEVATIONS					
			A	B	C	D	E	F
3	50+96.78	51+13.58	266.79	266.29	265.79	266.99	267.33	267.66
4	51+76.60	51+93.41	265.58	265.33	265.08	265.78	266.12	266.45
5	52+79.84	52+96.55	264.78	264.53	264.28	264.98	265.32	265.65

PROPOSED FEATURES
LEGEND

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- PROPOSED 1' MINOR CONTOUR
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- BASELINE OF CONSTRUCTION
- 20+00
- PROPOSED CROSS-VANE DROP STRUCTURE (CVDS)
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DEPARTMENT OF ENVIRONMENTAL
PROTECTION & SUSTAINABILITY

APPROVED _____ DIRECTOR
DATE _____



PLAN
SCALE 1" = 20'

MATCH LINE - SEE SHEET PS-04

PROFESSIONAL CERTIFICATION		AS-BUILT PER RECORD PRINT		REVISION		BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	DEPARTMENT OF PUBLIC WORKS	
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		DSON BY: A.E.B. / S.E.H.		BUREAU OF ENGINEERING AND CONSTRUCTION		BUILDINGS	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER	BUR. OF ENGINEERING & CONSTRUCTION
		DWN BY: J.S.T.		REVIEWED BY:								APPROVED BY: _____ CHIEF	
ENGINEER: CRAIG A. LYNCH CENTURY ENGINEERING CONSULTING ENGINEERS - PLANNERS 8700 OLNEY ROAD HART VILLE, MD 21081 Phone: (410) 589-2400 Fax: (410) 589-2401		CHKD BY: CAL		DATE REVIEWED:									

SHEET DESIGNATION		CONTRACT NUMBER	
PS-05 OF 05			
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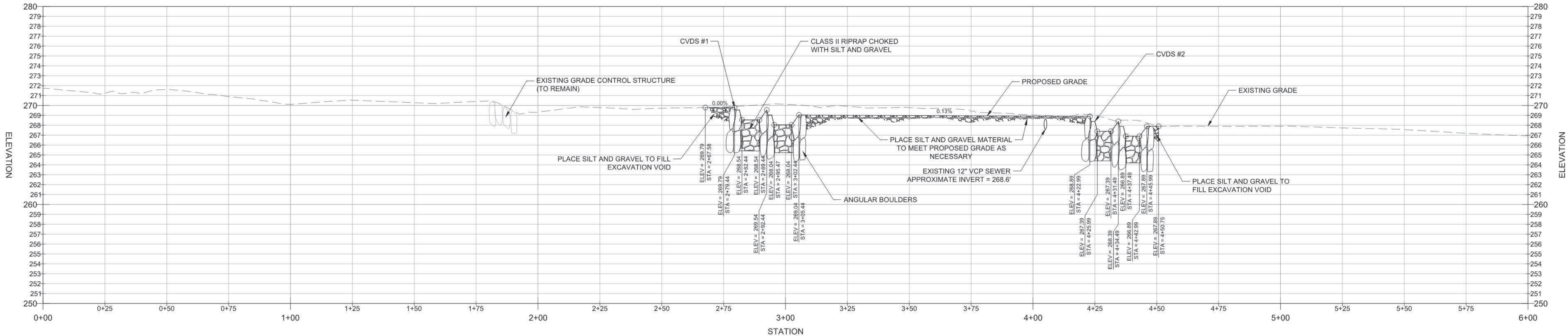
ROLAND RUN AT THORNTON ROAD
STREAM RESTORATION

SUBDIVISION: TOWSON

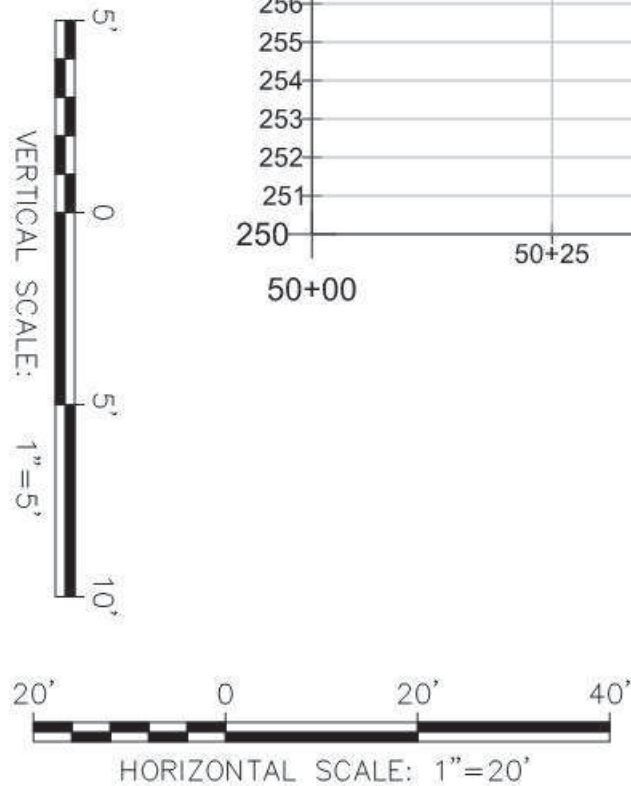
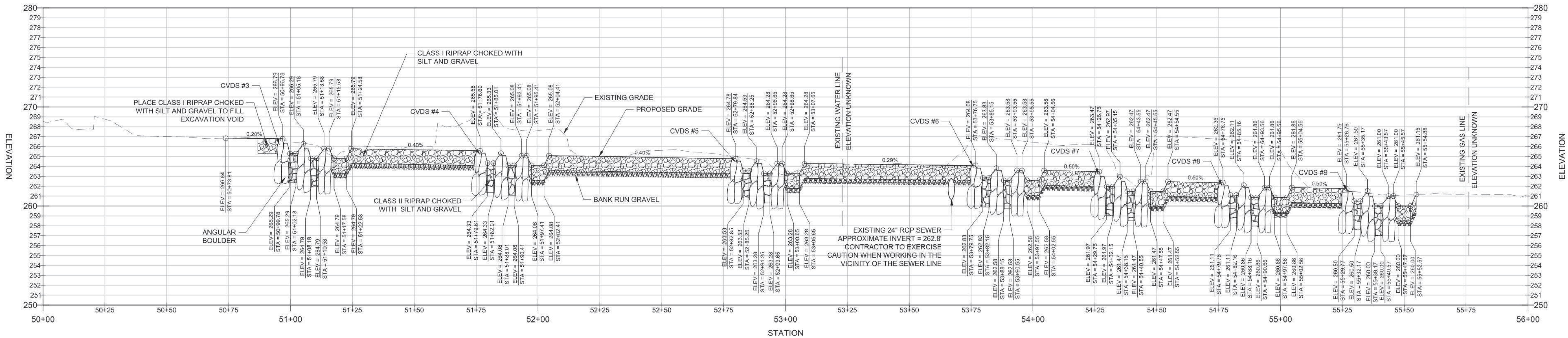
90% DESIGN - NOT FOR CONSTRUCTION

ELECTION DIST.: 8

ROLAND RUN (MAINSTEM)



THORNTON ROAD TRIBUTARY



DEPARTMENT OF ENVIRONMENTAL
PROTECTION & SUSTAINABILITY

APPROVED _____ DIRECTOR
DATE _____



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. 28371, EXPIRATION DATE 01/01/2019
ENGINEER: CRAIG A. LYNCH
MTC CENTURY
CONSULTING ENGINEERS - PLANNERS
3700 OLNEY ROAD
HUNT VALLEY, MD 20881
Phone: (443) 589-2400 Fax: (443) 589-2401

AS-BUILT PER RECORD PRINT	REVISION	BY	DATE	P.W.A. NO.	KEY SHEET	POSITION SHT	DRAWING SCALE	DEPARTMENT OF PUBLIC WORKS
BY: _____ DATE: _____				R.O.W. NO.	HNE	6-7 SW26	PLAN SCALE: _____ PROFILE SCALE: _____ HOR. _____ VERT. _____	APPROVED BY: _____ DIRECTOR DATE: _____ BUR. OF ENGINEERING & CONSTRUCTION APPROVED BY: _____ CHIEF DATE: _____
DSGN BY: A.E.B. / S.E.H.	BUREAU OF ENGINEERING AND CONSTRUCTION	BUILDINGS	HIGHWAYS	STRUCTURES	STORM DRAINS	SEWER	WATER	FIELD ENGINEER
DWN BY: J.S.T.	REVIEWED BY: _____							
CHKD BY: C.A.L.	DATE REVIEWED: _____							

DESIGN AND DRAWING BASED ON MARYLAND COORDINATE SYSTEM: HORIZONTAL - NAD 83/91; VERTICAL - NAVD 88
BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION & SUSTAINABILITY
PROFILE SHEET
ROLAND RUN AT THORNTON ROAD
STREAM RESTORATION
SUBDIVISION: TOWSON 90% DESIGN - NOT FOR CONSTRUCTION ELECTION DIST.: 8

SHEET DESIGNATION	CONTRACT NUMBER
PR-01 OF 01	
JOB ORDER NUMBER	
SHEET 08 OF 30	
DRAWING NUMBER	
FILE NO.:	