



STORM DRAIN RETROFIT FOR LONGFELLOW ST BETWEEN 47TH AVE AND TAYLOR ST

CONCEPT #41944-2015-00

RIVERDALE PARK, MD

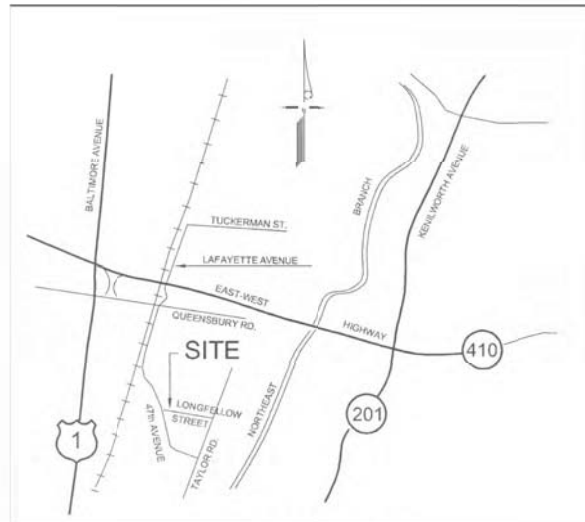
FINAL DESIGN



TOWN OF
RIVERDALE PARK
LONGFELLOW STREET
STORM DRAIN RETROFIT

SEQUENCE OF CONSTRUCTION

1. ASAP AFTER AWARD OF CONTRACT, A SITE PRE-CONSTRUCTION MEETING WILL BE SCHEDULED WITH CONTRACTOR.
2. PRIOR TO STARTING ANY CONSTRUCTION ACTIVITY, THE TRAFFIC CONTROL PLAN WILL BE PUT IN PLACE AND THE EROSION AND SEDIMENT CONTROL PLAN WILL BE INSTALLED.
3. TEST PIT LOCATIONS OF EXISTING 8" WATER LINE AND 5" GAS LINE AS SHOWN ON PLANS FOR NEW INLET I-1. CONTACT WASHINGTON GAS TO COORDINATE ANY ADJUSTMENT.
4. EXCAVATE FOR LOCATION OF NEW I-1 (PG SD10.0) INLET AND 15" RCP LINE ACROSS LONGFELLOW STREET.
5. INSTALL NEW I-1 INLET AND 15" RCP STORM DRAIN LINE
6. BACKFILL AND RESURFACE NEW STORM DRAIN LINE TRENCH ON LONGFELLOW STREET
7. ABANDON IN-PLACE EXISTING INLET I-1. ABANDON EXISTING 15" STORM DRAIN LINES USING VSSC STD DETAIL S/3.6
8. REMOVE CORRAL TYPE CURB & GUTTER AT I-1, I-2 AND I-3 AND REPLACE WITH NEW CURB & GUTTER ALIGNED WITH EXISTING CURB.
9. INSTALL NEW INLETS (P.G. SD10.0) AT I-2 AND I-3. ABANDON EXISTING 15" STORM DRAIN LINE FROM I-2 TO I-2. RE-CONNECT EXISTING SUMP PUMP DRAIN LINES TO I-2 AND I-3.
10. EXCAVATE TRENCH FOR INSTALLATION OF 15" RCP FROM NEW I-1 TO I-1A AND I-1B.
11. REMOVE EXISTING 20" DIAMETER OAK TREE
12. INSTALL MODIFIED YARD DRAIN INLETS I-1A AND I-1B
13. AFTER NEW STORM DRAIN LINE AND CONNECTION TO INLETS IS COMPLETE. BACKFILL TRENCH EXCAVATION AND RESTORE SURFACE.
14. EXCAVATE TRENCH FOR INSTALLATION OF 2" STONE DIAPHRAGMS AND NYLOPLAST YARD DRAIN
15. INSTALL NYLOPLAST YARD DRAIN INLET AND STONE DIAPHRAGMS, INCLUDING BACKFILL AND STABILIZATION OF ALL AREAS.
16. WITH APPROVAL OF PROJECT ENGINEER, REMOVE ALL EROSION AND SEDIMENT CONTROL DEVICES FROM THIS LOCATION
17. PROCEED TO LOCATION OF INLET I-4. INSTALL E&S CONTROLS AS REQUIRED. TEST PIT FOR LOCATION OF EXISTING GASS LINE AND 8" WATER LINE.
18. COORDINATE WITH WASHINGTON GAS FOR RELOCATION OF EXISTING GAS LINE
19. WORK WILL BEGIN BY REMOVING EXISTING CURB AND GUTTER INLET CORRAL AND REMOVAL OF EXISTING INLET I-4.
20. INSTALL NEW P.G. COUNTY THROAT TPE (P.G. SD 10.5) AND ALIGN NEW CURB AND GUTTER INTO INLET THROAT.
21. EXCAVATE TRENCH FOR INSTALLATION OF NEW 15" RCP PIPE CONNECTION TO EXISTING STORM DRAIN INLET ON NORTH SIDE OF LONGFELLOW STREET
22. COORDINATE WITH WSSC AND LOWER EXISTING 8" WATER LINE AS SHOWN ON PLANS.
23. AFTER NEW STORM DRAIN LINE AND CONNECTION TO INLETS IS COMPLETE. BACKFILL TRENCH EXCAVATION AND RESTORE ROAD SURFACE.
24. WITH APPROVAL OF PROJECT ENGINEER, REMOVE ALL EROSION AND SEDIMENT CONTROL DEVICES FROM THIS LOCATION AND REMOVE ALL TRAFFIC CONTROL SIGNAGE.



**LOCATION MAP
NTS**

GENERAL NOTES

1. PROJECT NAME: LONGFELLOW STREET STORM DRAIN RETROFIT, RIVERDALE PARK, MD
2. GROSS ACREAGE: 3.00 ACRES
3. DISTURBED AREA: 1,825 SQ. FT. (0.04 AC)
4. EXISTING ZONE: NA
5. WSSC GRD: 208NE04
6. TAX MAP: 50
7. SUBDIVISION: RIVERDALE PARK
8. STORMWATER CONCEPT APPROVAL #: 41944-20-5-00
9. ASSUMED 10 FT PUBLIC UTILITY EASEMENT ALONG ALL RIGHTS OF WAY UNLESS OTHERWISE SHOWN
10. NO MANDATORY PARK DEDICATION OR SUBDIVISION REQUIRED
11. NO CEMETRIES EXISTING ON OR CONTIGUOUS TO THE PROPERTY
12. NO HISTORICAL SITES ON OR IN THE VICINITY OF THE PROPERTY
13. NO STREAMS ARE ON OR ARE CONTIGUOUS/ADJACENT TO PROPERTY
14. NO WETLANDS ARE ON OR ARE CONTIGUOUS/ADJACENT TO PROPERTY
15. 100 YEAR FLOODPLAIN IS ADJACENT TO PROPERTY, NE BRANCH, ANACOSTIA RIVER
16. THIS SITE IS NOT WITHIN THE CHESAPEAKE BAY CRITICAL AREA
17. SOURCE OF TOPOGRAPHY: PRINCE GEORGE'S COUNTY GIS & FROM OTHERS
18. ALL STORM DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE STORMWATER STANDARDS & SPECIFICATIONS & DETAILS AS WELL AS APPROVED STRUCTURES OF PRINCE GEORGE'S COUNTY, DEPARTMENT OF PERMITTING, INSPECTION & ENFORCEMENT OR DEPARTMENT OF ENVIRONMENT (DOE), OR DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION (DPWT) OR UNLESS OTHERWISE NOTED.
19. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR MUST DETERMINE THE EXACT LOCATIONS AND ELEVATIONS OF THE UTILITIES BY DIGGING TEST PITS AT ALL UTILITY CROSSINGS WELL IN ADVANCE OF TRENCHING. IF CLEARANCES ARE LESS THAN SPECIFIED, CONTACT THE ENGINEER, AND THE OWNER OF THE OTHER INVOLVED UTILITY BEFORE PROCEEDING WITH CONSTRUCTION.
20. ALL STORM DRAIN PIPES MUST HAVE A MINIMUM 1' COVER.
21. ALL INLET TOP SLAB FRONT FACE SHALL BE PAINTED WITH THE FOLLOWING "CHESAPEAKE BAY DRAINAGE, DON'T DUMP" (STANDARD DETAIL 82.0)

INDEX OF SHEETS

- C-1 COVER SHEET
- C-2 DRAINAGE AREA MAP
- C-3-1 EXISTING CONDITIONS PLAN
- C-3-2 EXISTING SD PROFILE
- C-3-3 EXISTING CONDITIONS PLAN
- C-4-1 PROPOSED IMPROVEMENTS PLAN
- C-4-2 PROPOSED IMPROVEMENTS PLAN
- C-5 PROFILES AND SECTIONS
- C-6 DETAILS & NOTES
- C-7 MOT PLAN
- C-8 MOT NOTES & DETAILS
- ESC-1 EROSION AND SEDIMENT CONTROL PLAN
- ESC-2 EROSION AND SEDIMENT STANDARDS



BEFORE YOU DO CALL
1-800-257-7777
PROTECT YOURSELF, GIVE TWO
WORKING DAYS NOTICE

THIS DRAWING DOES NOT
INCLUDE NECESSARY
COMPONENTS FOR
CONSTRUCTION SAFETY.
ALL CONSTRUCTION MUST
BE DONE IN COMPLIANCE
WITH THE OCCUPATIONAL
SAFETY AND HEALTH
ACT OF 1970 AND ALL
RULES AND REGULATIONS
THEREIN TO APPROPRIATE.

THE CONTRACTOR TO CALL
MISS UTILITY TO HAVE
ALL EXISTING UTILITIES
MARKED 48 HOURS PRIOR
TO ANY CONSTRUCTION



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.: 22621 Expiration Date: 2-17-2022

DEPARTMENT OF THE ENVIRONMENT

ECOSITE, INC.
Ecologically Sustainable Design

4920 NIAGARA ROAD
SUITE 311
COLLEGE PARK, MD 20740
PHONE: (410) 804-8000

Town of Riverdale Park
LONGFELLOW STREET
FROM 47th AVENUE TO TAYLOR STREET
STORM DRAIN RETROFIT

COVER SHEET

C-1

PERMIT REQUIREMENTS

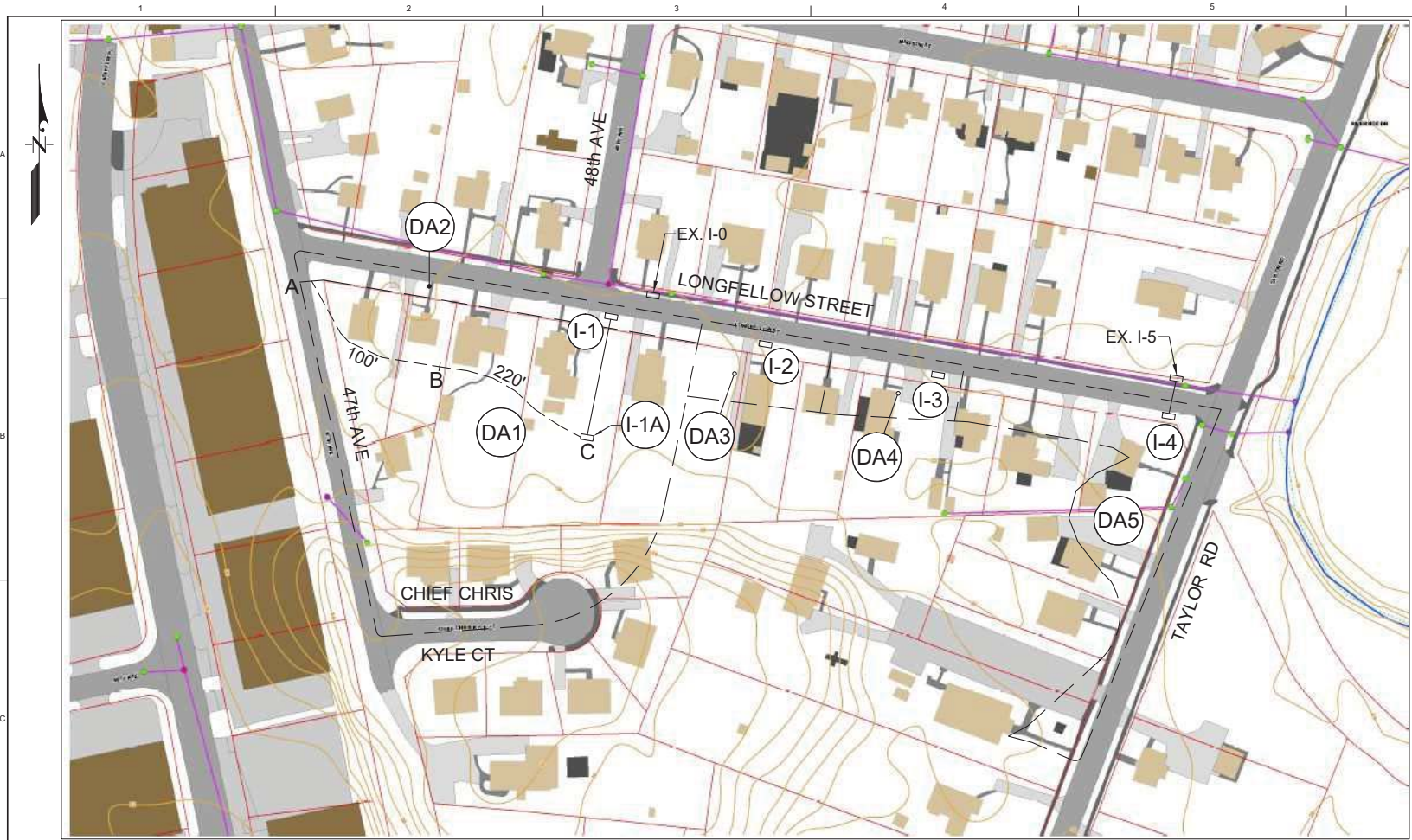
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FLOODPLAIN APPROVAL	NOT REQD
FLOOD DAMAGE PREVENTION	NOT REQD
F.G. COUNTY OPE	REQD
M.N.C.P. & P.C.	NOT REQD
WSSC	REQD
STATE HWY. ADM.	NOT REQD
M.D.E. WATERWAY CONBT.	NOT REQD
M.D.E. DAM SAFETY	NOT REQD
ARMY CORPS OF ENGINEERS	NOT REQD
MARYLAND B.W.M. ADM. APPROVAL	NOT REQD
M.D.E. - W.G.C.	NOT REQD
TREE PRESERVATION	NOT REQD
CRITICAL AREA	NOT REQD
NAT. HIST. LOCAL WETLAND PERMIT	NOT REQD
MARYLAND DMR	NOT REQD

AS-BUILT DATA

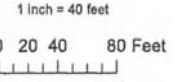
CONTRACT NO.	
CONTRACTOR	
INSPECTOR	
DATE FINALED	
FINALED BY	
DATE	REVISION
8/17/17	CONCEPTUAL PLAN
2/16/18	REVISED CONCEPT PLAN

DEPART OF THE ENVIRONMENT SUSTAINABILITY DIVISION PRINCE GEORGE'S COUNTY, MARYLAND

Scale	DATE	OWNER
APPROVED: <i>Maria Fardou</i>	06/12/2017	
DESIGNED: MC		
DRAWN: JJ		
CHECKED: MC		C.I.P.
PROJECT MANAGER: <i>Shelley Farnley</i>		CONTRACT NO.



DA-1	=	2.63 ac
DA-2	=	0.26 ac
DA-3	=	0.25 ac
DA-4	=	0.22 ac
DA-5	=	0.81 ac



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TOWN OF RIVERDALE PARK
LONGFELLOW STREET
STORM DRAIN RETROFIT

PERMIT REQUIREMENTS	
CONCEPTUAL APPROVAL	REOD
FLOODPLAIN APPROVAL	NOT REOD
FISDC #500 M DISTURBED	NOT REOD
F.O.COUNTY ONE	REOD
M.N.C.P. & P.C.	NOT REOD
WSSC	REOD
STATE HWY ADM	NOT REOD
M.D.E. WATERWAY CONST.	NOT REOD
M.D.E. DAM SAFETY	NOT REOD
ARMY CORPS OF ENGINEERS	NOT REOD
MARYLAND S.W. M. ADM. APPROVAL	NOT REOD
M.D.E. - W.D.C.	NOT REOD
TREE PRESERVATION	NOT REOD
CRITICAL AREA	NOT REOD
WIDE NON TIDAL WETLAND PERMIT	NOT REOD
MARYLAND DNR	NOT REOD

AS-BUILT DATA	
CONTRACT NO.	
CONTRACTOR	
INSPECTOR	
DATE FINLED	
FINLED BY	
DATE	REVISION
8/17/17	CONCEPTUAL PLAN
2/15/18	REVISED CONCEPT PLAN

DEPART OF THE ENVIRONMENT SUSTAINABILITY DIVISION PRINCE GEORGE'S COUNTY, MARYLAND	
Drawn (Name):	DATE:
ASSOCIATE DIRECTOR	08/15/2021
SCALE:	DWG COVER
APPROVED - Mossa Fagan	08/15/2021
DESIGNED: MC	SELECTION HEAD
DRAWN: JI	DATE:
CHECKED: MC	C.I.P.
Roba Farah-Far	PROJECT MANAGER
	CONTRACT NO.

DEPARTMENT OF THE ENVIRONMENT

ECOSITE, INC.
Ecologically Sustainable Design
4920 NIAGARA ROAD
SUITE 311
COLLEGE PARK, MD 20740
PHONE: (410) 804-8000

Town of Riverdale Park
LONGFELLOW STREET
FROM 47th AVENUE TO TAYLOR STREET
STORM DRAIN RETROFIT

DRAINAGE AREA MAP

C-2



TOWN OF RIVERDALE PARK
LONGFELLOW STREET
STORM DRAIN RETROFIT

PERMIT REQUIREMENTS

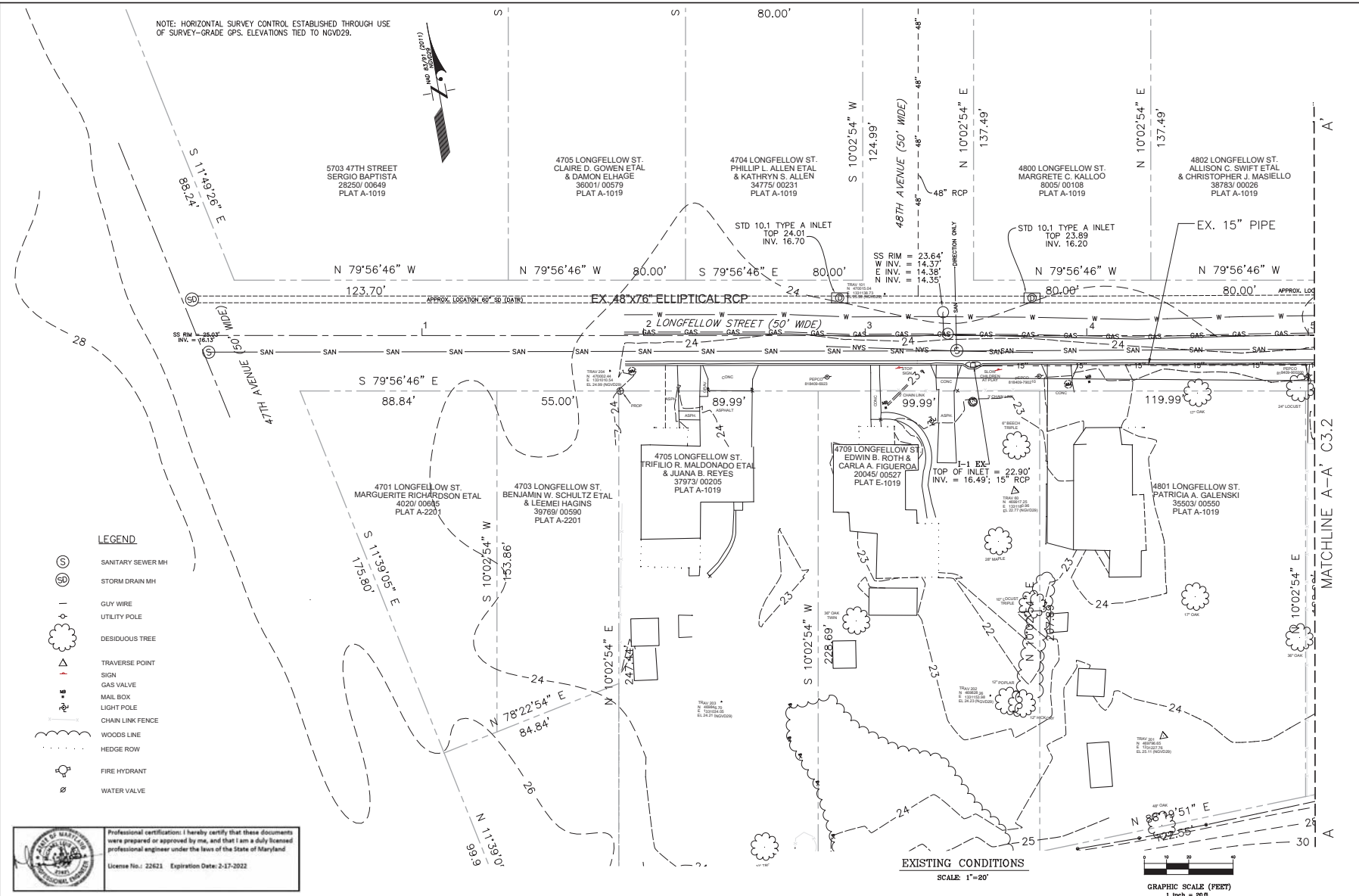
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FLOODPLAIN APPROVAL	NOT REG'D
PERMITS -5000 sq DISTURBED	NOT REG'D
P.F. COUNTY DME	REG'D
M.N.C.P. & P.C.	NOT REG'D
WSSC	REG'D
STATE HWY. ADM.	NOT REG'D
M.D.E. WATERWAY CONST.	NOT REG'D
M.D.E. DAM SAFETY	NOT REG'D
ARMY CORPS OF ENGINEERS	NOT REG'D
MARYLAND S.W.M. ADM. APPROVAL	NOT REG'D
M.D.E. - W.D.C.	NOT REG'D
TREE PRESERVATION	NOT REG'D
CRITICAL AREA	NOT REG'D
MDE NON TIDAL WETLAND PERMIT	NOT REG'D
MARYLAND DWR	NOT REG'D

AS-BUILT DATA

CONTRACT NO.	
CONTRACTOR	
INSPECTOR	
DATE FINALED	
FINALED BY	
DATE	REVISION
8/17/17	CONCEPTUAL PLAN
2/19/18	REVISED CONCEPT PLAN

**DEPARTMENT OF THE ENVIRONMENT
SUSTAINABILITY DIVISION
PRINCE GEORGE'S COUNTY, MARYLAND**

Drawn: Dawn Hawkins-Strick	DATE: 06/15/2021
ASSOCIATE DIRECTOR	DWS
SCALE:	DWS COVER
APPROVED: Moses Farish	SECTION HEAD
DATE: 06/15/2021	DATE
DESIGNED: MC	
DRAWN: JF	
CHECKED: MC	C.I.P.
PROJECT MANAGER:	CONTRACT NO.:

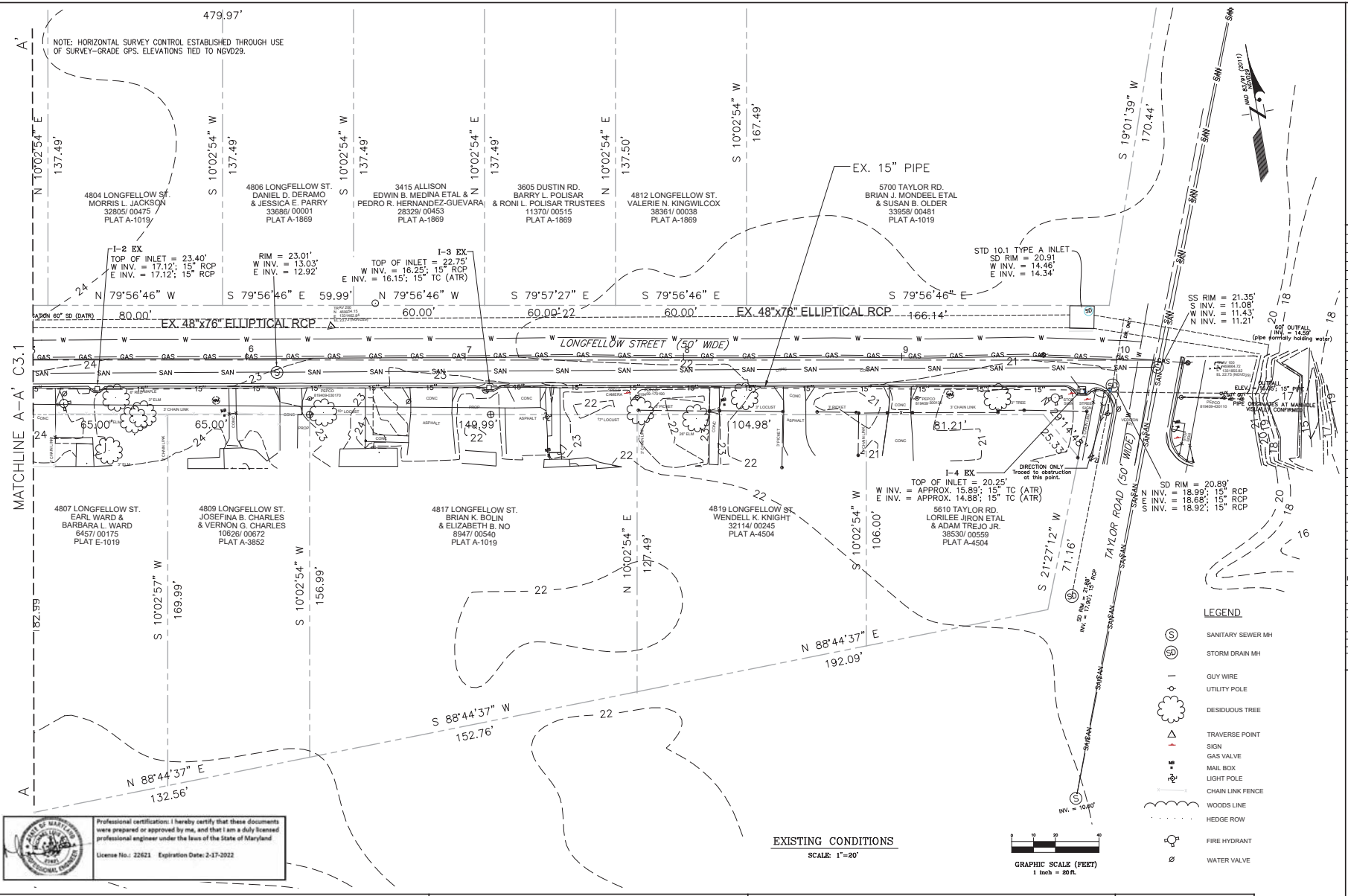


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Town of Riverdale Park
LONGFELLOW STREET
FROM 47th AVENUE TO TAYLOR STREET
STORM DRAIN RETROFIT

PLAN OF EXISTING CONDITIONS
C-3.1



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.: 22621 Expiration Date: 2-27-2022



**TOWN OF RIVERDALE PARK
LONGFELLOW STREET
STORM DRAIN RETROFIT**

PERMIT REQUIREMENTS	
CONCEPTUAL APPROVAL	REQ'D
FLOODPLAIN APPROVAL	NOT REQ'D
PGICD - 4500 if DISTURBED	NOT REQ'D
P.G. COUNTY DPRE	REQ'D
M.N.C.P. & P.C.	NOT REQ'D
WESQ	REQ'D
STATE INV. ADM.	NOT REQ'D
M.D.E. WATERWAY CONST.	NOT REQ'D
M.D.E. DAM SAFETY	NOT REQ'D
ARMY CORPS OF ENGINEERS	NOT REQ'D
MARYLAND S.W.M. ADM. APPROVAL	NOT REQ'D
M.D.E. - W.G.C.	NOT REQ'D
TREE PRESERVATION	NOT REQ'D
CRITICAL AREA	NOT REQ'D
MDE NON TIDAL WETLAND PERMIT	NOT REQ'D
MARYLAND DNR	NOT REQ'D

AS-BUILT DATA

CONTRACT NO.	
CONTRACTOR	
INSPECTOR	
DATE FINALED	
FINALED BY	
REVISION	
8/17/17	CONCEPTUAL PLAN
2/18/18	REVISED CONCEPT PLAN

**DEPARTMENT OF THE ENVIRONMENT
SUSTAINABILITY DIVISION**

PRINCE GEORGE'S COUNTY, MARYLAND

Down Hawkins-Nixon	06/15/2024
ASSOCIATE DIRECTOR	DATE
SCALE	DWG. COVER
APPROVED: MARK FERRELL SECTION HEAD	DRAWN: JJ
DESIGNED: MC	C.I.P.
CHECKED: MC	
PROJECT MANAGER: Ross Pugh-Far	CONTRACT NO.

DEPARTMENT OF THE ENVIRONMENT

ECOSITE, INC.
Ecologically Sustainable Design
4920 NIAGARA ROAD SUITE 311 COLLEGE PARK, MD 20740 PHONE: (410) 804-8000

Town of Riverdale Park
LONGFELLOW STREET
FROM 47th AVENUE TO TAYLOR STREET
STORM DRAIN RETROFIT

PLAN OF EXISTING CONDITIONS

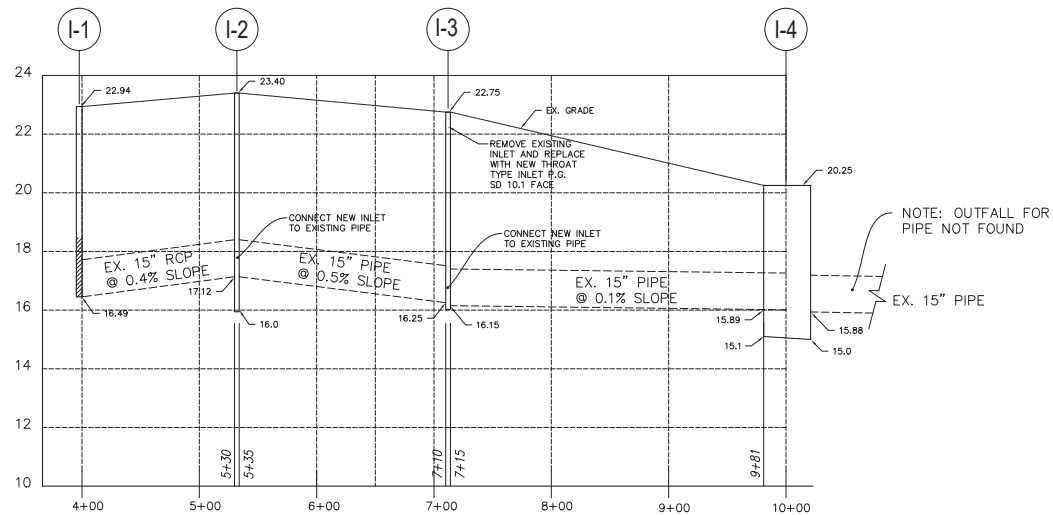


TOWN OF RIVERDALE PARK
LONGFELLOW STREET
STORM DRAIN RETROFIT

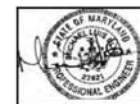
PERMIT REQUIREMENTS	
CONCEPTUAL APPROVAL	REQ'D
FLOODPLAIN APPROVAL	NOT REQ'D
PRINCIPAL DISTURBED	NOT REQ'D
P.G. COUNTY DPE	REQ'D
M.N.C.P.A.P.C.	NOT REQ'D
WSSC	REQ'D
STATE HWY. ADM.	NOT REQ'D
M.D.E. WATERWAY CONST.	NOT REQ'D
M.D.E. DAM SAFETY	NOT REQ'D
ARMY CORPS OF ENGINEERS	NOT REQ'D
MARYLAND S.W.M. ADM. APPROVAL	NOT REQ'D
M.D.E. - W.O.C.	NOT REQ'D
TREE PRESERVATION	NOT REQ'D
CRITICAL AREA	NOT REQ'D
MDX NON TIDAL WETLAND PERMIT	NOT REQ'D
MARYLAND DMR	NOT REQ'D

AS-BUILT DATA	
CONTRACT NO.	
CONTRACTOR	
INSPECTOR	
DATE FINALED	
FINALED BY	
DATE	REVISION
8/17/17	CONCEPTUAL PLAN
2/15/18	REVISED CONCEPT PLAN

DEPART OF THE ENVIRONMENT SUSTAINABILITY DIVISION PRINCE GEORGE'S COUNTY, MARYLAND	
Drawn/Issued/Revised	DATE
ASSOCIATE DIRECTOR	06/15/2021
SCALE:	DWG COVER
APPROVED: <u>Moses Faison</u>	06/15/2021
SECTION HEAD	DATE
DESIGNED: MC	
DRAWN: JJ	
CHECKED: MC	C.I.P.
Rob Fairhair	PROJECT MANAGER
	"CONTRACT NO"



STORM DRAIN SYSTEM
LONGFELLOW STREET
Scale: horiz. 1"=50'
vert. 1"=2'



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.: 22621 Expiration Date: 2-17-2022

DEPARTMENT OF THE ENVIRONMENT

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4920 NIAGARA ROAD
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Town of Riverdale Park
LONGFELLOW STREET
FROM 47th AVENUE TO TAYLOR STREET
STORM DRAIN RETROFIT

EXISTING SD
PROFILES PLAN

C-3.3

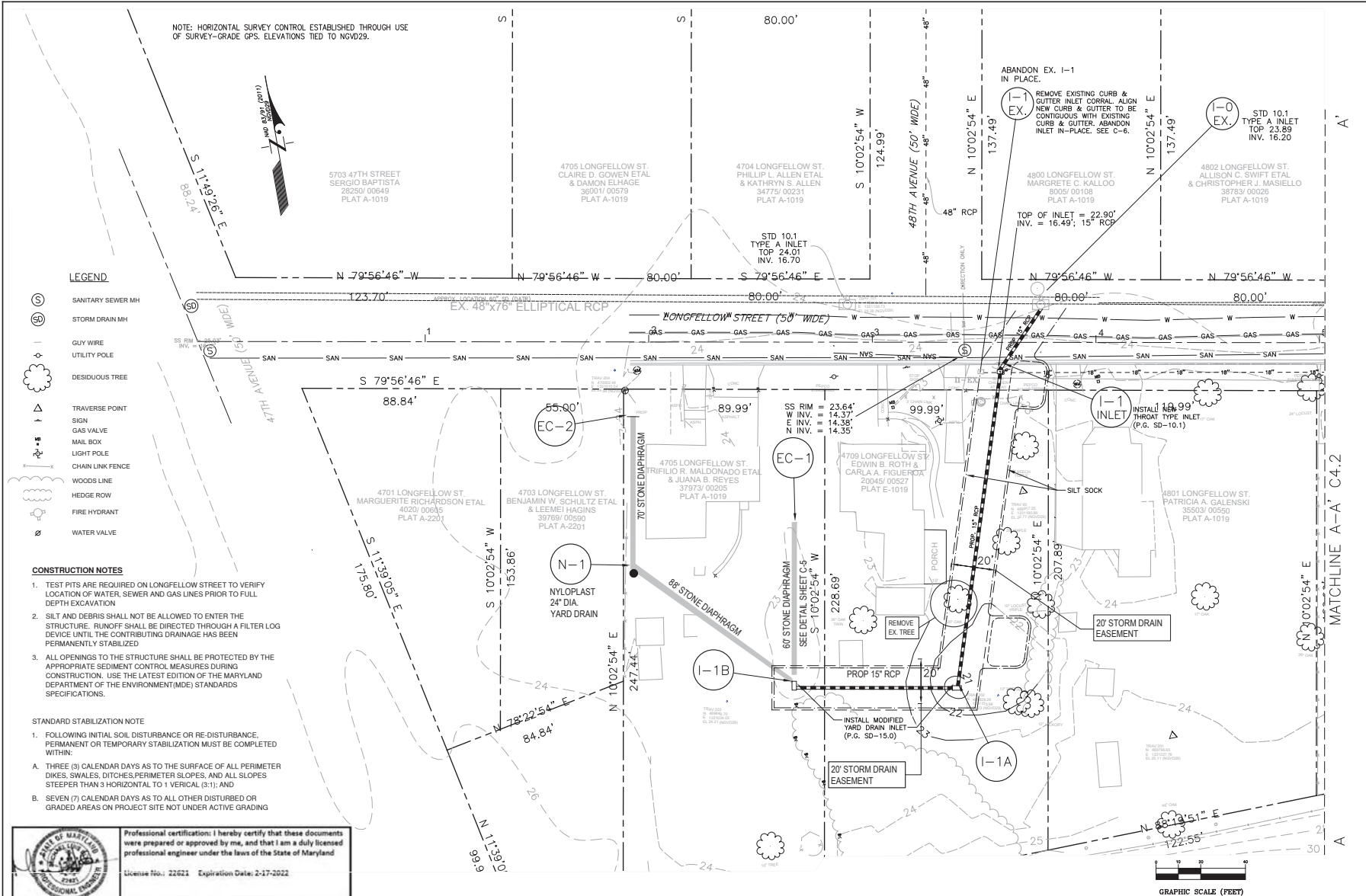


**TOWN OF RIVERDALE PARK
LONGFELLOW STREET
STORM DRAIN RETROFIT**

PERMIT REQUIREMENTS	
CONCEPTUAL APPROVAL	REQ'D
FLOODPLAIN APPROVAL	NOT REQ'D
PROJCD 45000 & DISTURBED	NOT REQ'D
P.G. COUNTY SHEET	NOT REQ'D
M.N.C.P. & P.G.	REQ'D
MSDC	REQ'D
STATE HWY. ADM.	NOT REQ'D
M.D.E. WATERWAY CONST.	NOT REQ'D
M.D.E. DAM SAFETY	NOT REQ'D
ARMY CORPS OF ENGINEERS	NOT REQ'D
MARYLAND S.W.M. ADM. APPROVAL	NOT REQ'D
M.D.E. - W.Q.C.	NOT REQ'D
TREE PRESERVATION	NOT REQ'D
CRITICAL AREA	NOT REQ'D
MDE NON-TIDAL WETLAND PERMIT	NOT REQ'D
MARYLAND DNR	NOT REQ'D

AS-BUILT DATA	
CONTRACT NO.	
CONTRACTOR	
INSPECTOR	
DATE FINALED	
FINALED BY	
REVISION	
DATE	CONCEPTUAL PLAN
2/15/18	REVISED CONCEPT PLAN

DEPARTMENT OF THE ENVIRONMENT SUSTAINABILITY DIVISION PRINCE GEORGE'S COUNTY, MARYLAND	
Dawn Hawkins-Nixon	36/15/2021
ASSOCIATE DIRECTOR	DATE
SCALE	CHS CDSR
APPROVED	36/15/2021
DESIGNED	MC
CHECKED	MC
PROJECT MANAGER	C.J.P.
	CONTRACT NO.

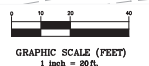


- LEGEND**
- (S) SANITARY SEWER MH
 - (SD) STORM DRAIN MH
 - GUY WIRE
 - UTILITY POLE
 - DESIDIOUS TREE
 - TRAVERSE POINT
 - SIGN
 - GAS VALVE
 - MAIL BOX
 - LIGHT POLE
 - CHAIN LINK FENCE
 - WOODS LINE
 - HEDGE ROW
 - FIRE HYDRANT
 - WATER VALVE

- CONSTRUCTION NOTES**
- TEST PITS ARE REQUIRED ON LONGFELLOW STREET TO VERIFY LOCATION OF WATER, SEWER AND GAS LINES PRIOR TO FULL DEPTH EXCAVATION.
 - SILT AND DEBRIS SHALL NOT BE ALLOWED TO ENTER THE STRUCTURE. RUNOFF SHALL BE DIRECTED THROUGH A FILTER LOG DEVICE UNTIL THE CONTRIBUTING DRAINAGE HAS BEEN PERMANENTLY STABILIZED.
 - ALL OPENINGS TO THE STRUCTURE SHALL BE PROTECTED BY THE APPROPRIATE SEDIMENT CONTROL MEASURES DURING CONSTRUCTION. USE THE LATEST EDITION OF THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) STANDARDS SPECIFICATIONS.
- STANDARD STABILIZATION NOTE**
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN:
 - A. THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND
 - B. SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON PROJECT SITE NOT UNDER ACTIVE GRADING

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.: 22621 Expiration Date: 2-17-2022



DEPARTMENT OF THE ENVIRONMENT

ECOSITE, INC.
Ecologically Sustainable Design

4920 NIAGARA ROAD
SUITE 311
COLLEGE PARK, MD 20740
PHONE: (410) 804-8000

Town of Riverdale Park
LONGFELLOW STREET
FROM 47th AVENUE TO TAYLOR STREET
STORM DRAIN RETROFIT

PROPOSED IMPROVEMENTS PLAN

C-4.1

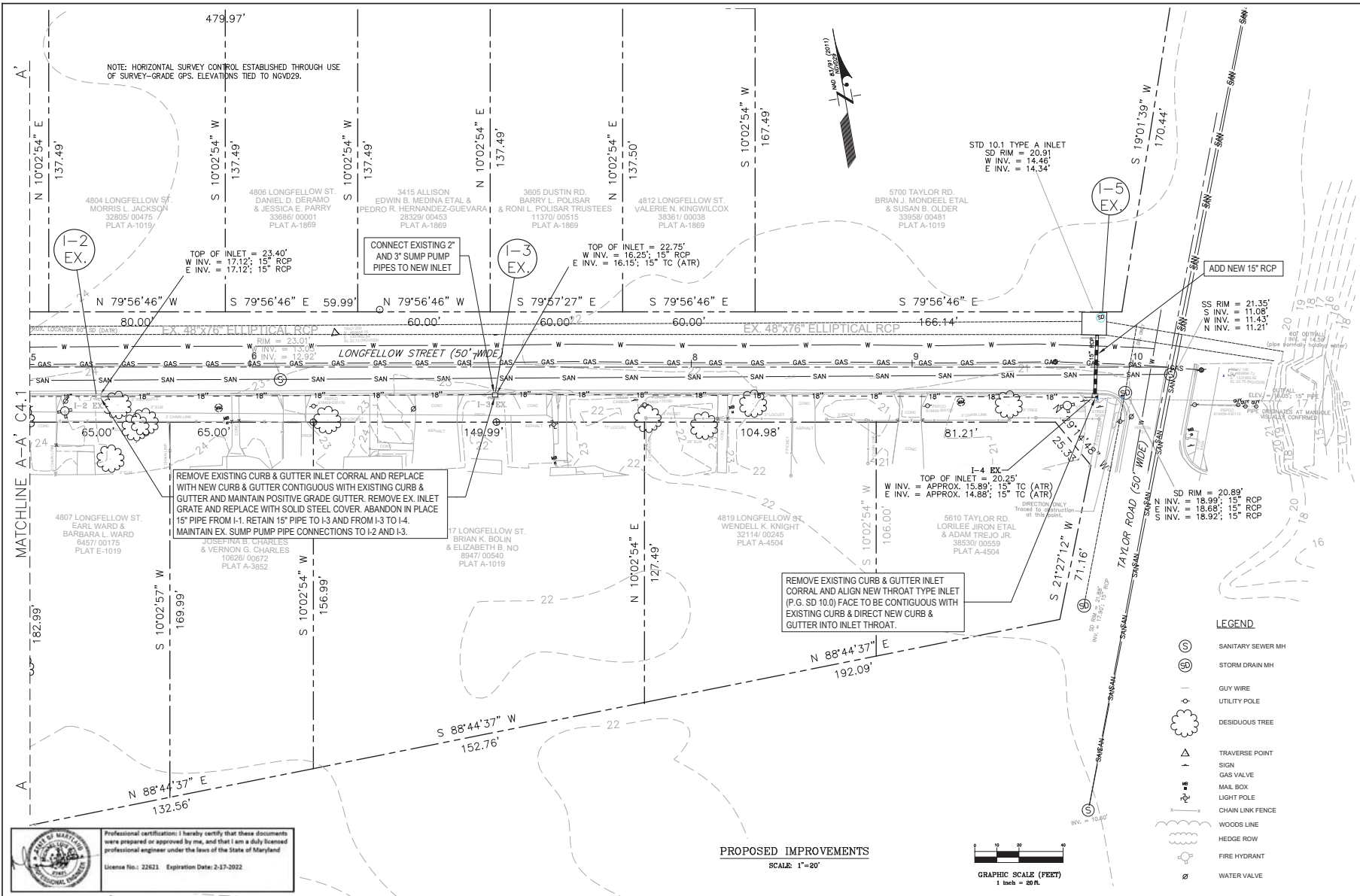


TOWN OF RIVERDALE PARK
LONGFELLOW STREET
STORM DRAIN RETROFIT

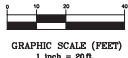
PERMIT REQUIREMENTS	
CONCEPTUAL APPROVAL	REQD
FLOODPLAIN APPROVAL	NOT REQD
PGSDC #600 IF DISTURBED	NOT REQD
P.G. COUNTY DPE	REQD
M.A.C. & P.C.	NOT REQD
WSSC	REQD
STATE HWY. ADM.	NOT REQD
M.D.E. WATERWAY CONST.	NOT REQD
M.D.E. DAM SAFETY	NOT REQD
ARMY CORPS OF ENGINEERS	NOT REQD
MARYLAND S.W.M. ADM. APPROVAL	NOT REQD
M.D.E. - W.C.C.	NOT REQD
TREE PRESERVATION	NOT REQD
CRITICAL AREA	NOT REQD
MDE NON TIDAL WETLAND PERMIT	NOT REQD
MARYLAND DNR	NOT REQD

AS-BUILT DATA	
CONTRACT NO.	
INSPECTOR	
DATE FINALED	
FINALED BY	
DATE	REVISION
8/17/17	CONCEPTUAL PLAN
2/15/18	REVISED CONCEPT PLAN

DEPARTMENT OF THE ENVIRONMENT SUSTAINABILITY DIVISION	
PRINCE GEORGE'S COUNTY, MARYLAND	
Dean Hastings-Nelson	06/16/2021
ASSOCIATE DIRECTOR	DATE
SCALE:	DWG COVER
APPROVED: Moses Faison	06/16/2021
SECTION HEAD	DATE
DESIGNED: MC	C.I.P.
DRAWN: JJ	
CHECKED: MC	
Route Parks/Fa	PROJECT NUMBER
	CONTRACT NO.



PROPOSED IMPROVEMENTS
SCALE: 1"=20'



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.: 22621. Expiration Date: 2-27-2022

DEPARTMENT OF THE ENVIRONMENT

ECOSITE, INC.
Ecologically Sustainable Design
4920 NIAGARA ROAD
SUITE 311
COLLEGE PARK, MD 20740
PHONE: (410) 804-8000

Town of Riverdale Park
LONGFELLOW STREET
FROM 47th AVENUE TO TAYLOR STREET
STORM DRAIN RETROFIT

PROPOSED IMPROVEMENTS PLAN

C-4.2



**TOWN OF RIVERDALE PARK
LONGFELLOW STREET
STORM DRAIN RETROFIT**

PERMIT REQUIREMENTS

CONCEPTUAL APPROVAL	REQ'D
FLOODPLAIN APPROVAL	NOT REQ'D
PGSCD <5000 sf DISTURBED	NOT REQ'D
P.G. COUNTY DPIE	REQ'D
M.N.C.P. & P.C.	NOT REQ'D
WSSC	REQ'D
STATE HWY. ADM.	NOT REQ'D
M.D.E. WATERWAY CONST.	NOT REQ'D
M.D.E. DAM SAFETY	NOT REQ'D
ARMY CORPS OF ENGINEERS	NOT REQ'D
MARYLAND S.W.M. ADM. APPROVAL	NOT REQ'D
M.D.E. - W.Q.C.	NOT REQ'D
TREE PRESERVATION	NOT REQ'D
CRITICAL AREA	NOT REQ'D
MDE NON TIDAL WETLAND PERMIT	NOT REQ'D
MARYLAND DNR	NOT REQ'D

AS-BUILT DATA

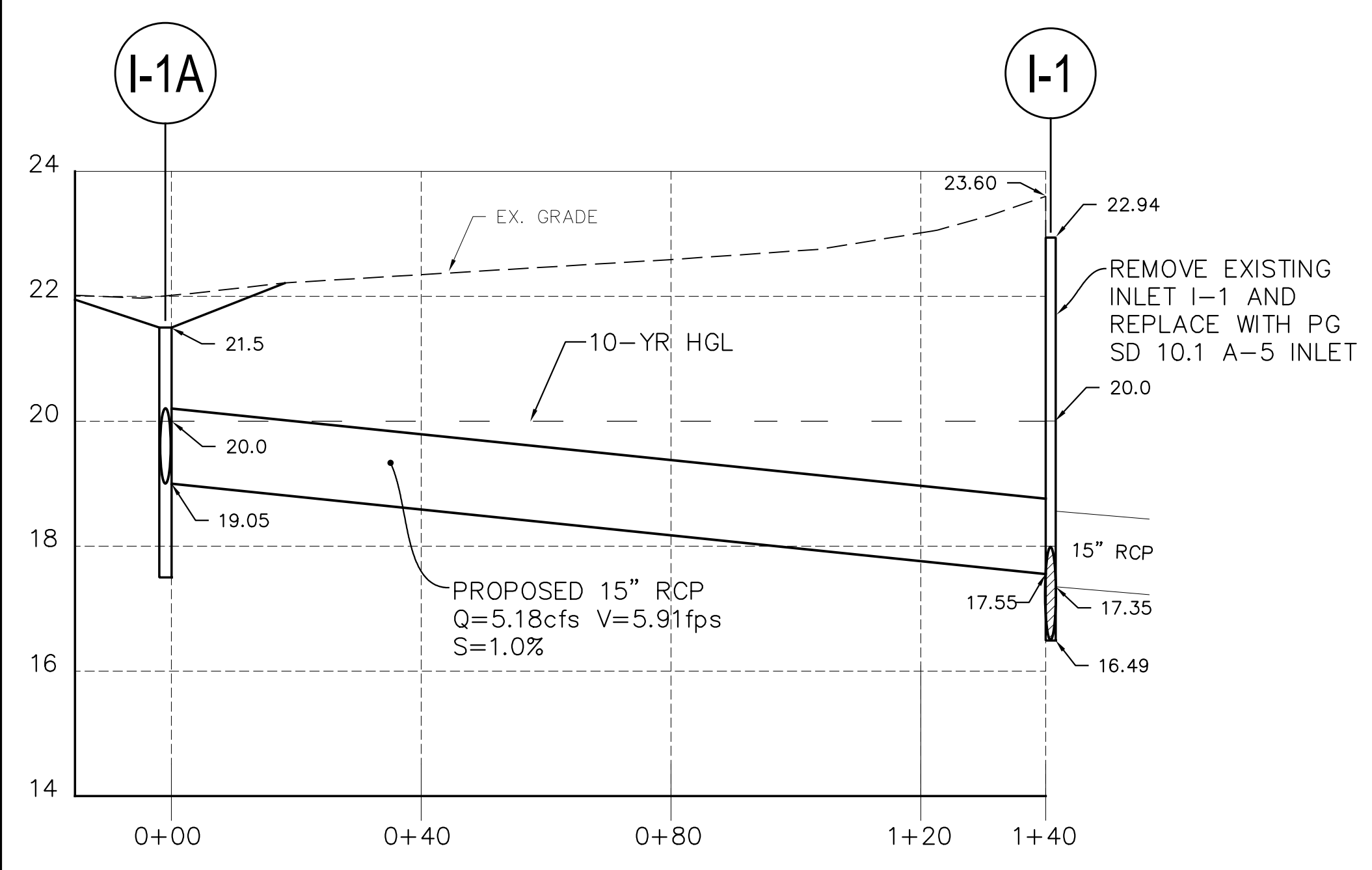
CONTRACT NO.	
CONTRACTOR	
INSPECTOR	
DATE FINALED	
FINALED BY	
DATE	REVISION
8/17/17	CONCEPTUAL PLAN
2/15/18	REVISED CONCEPT PLAN

**DEPARTMENT OF THE ENVIRONMENT
SUSTAINABILITY DIVISION
PRINCE GEORGE'S COUNTY, MARYLAND**

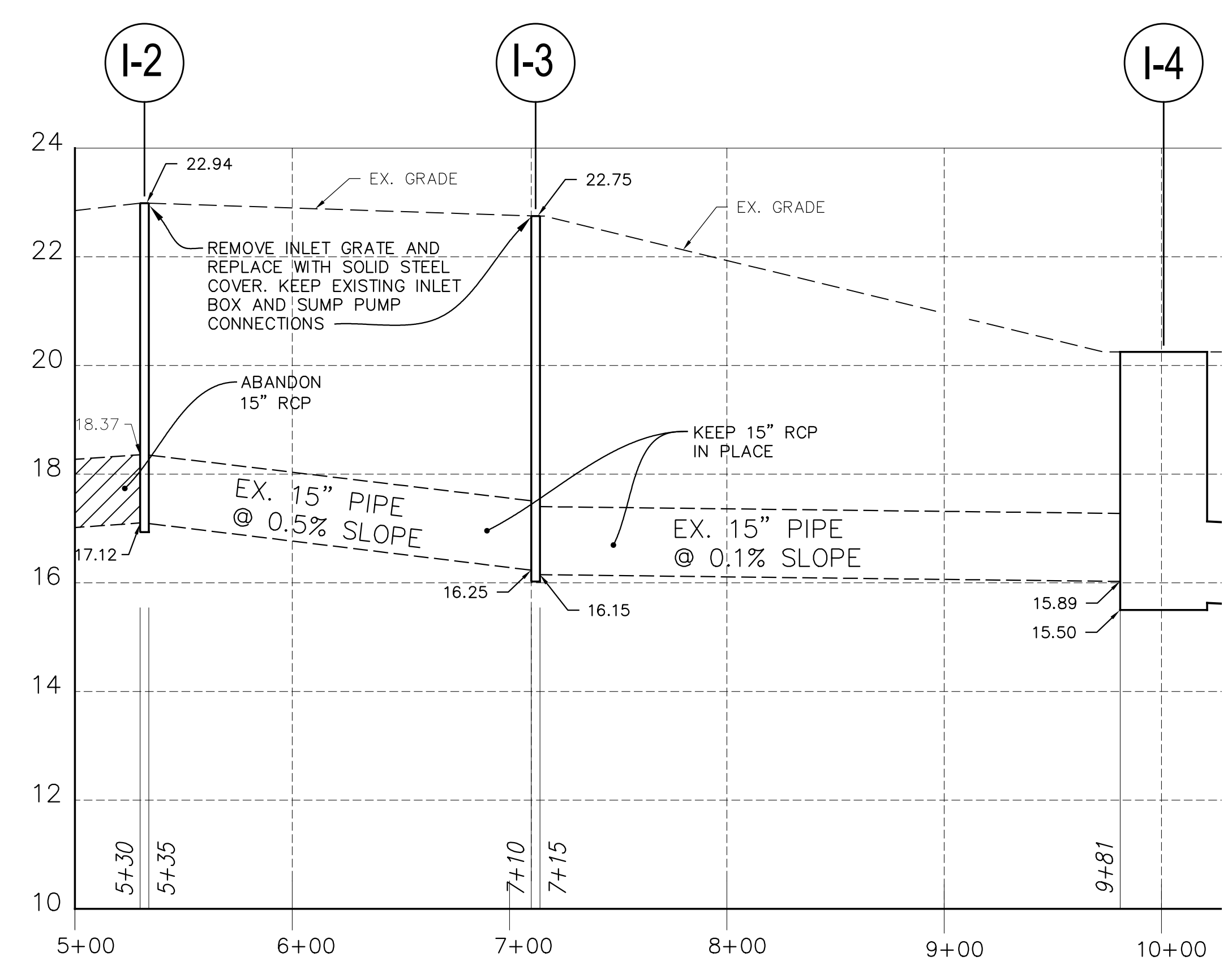
Dawn Hawkins-Nixon
ASSOCIATE DIRECTOR 06/15/2021
DATE

APPROVED: Moses Faridan 06/15/2021
SECTION HEAD DATE

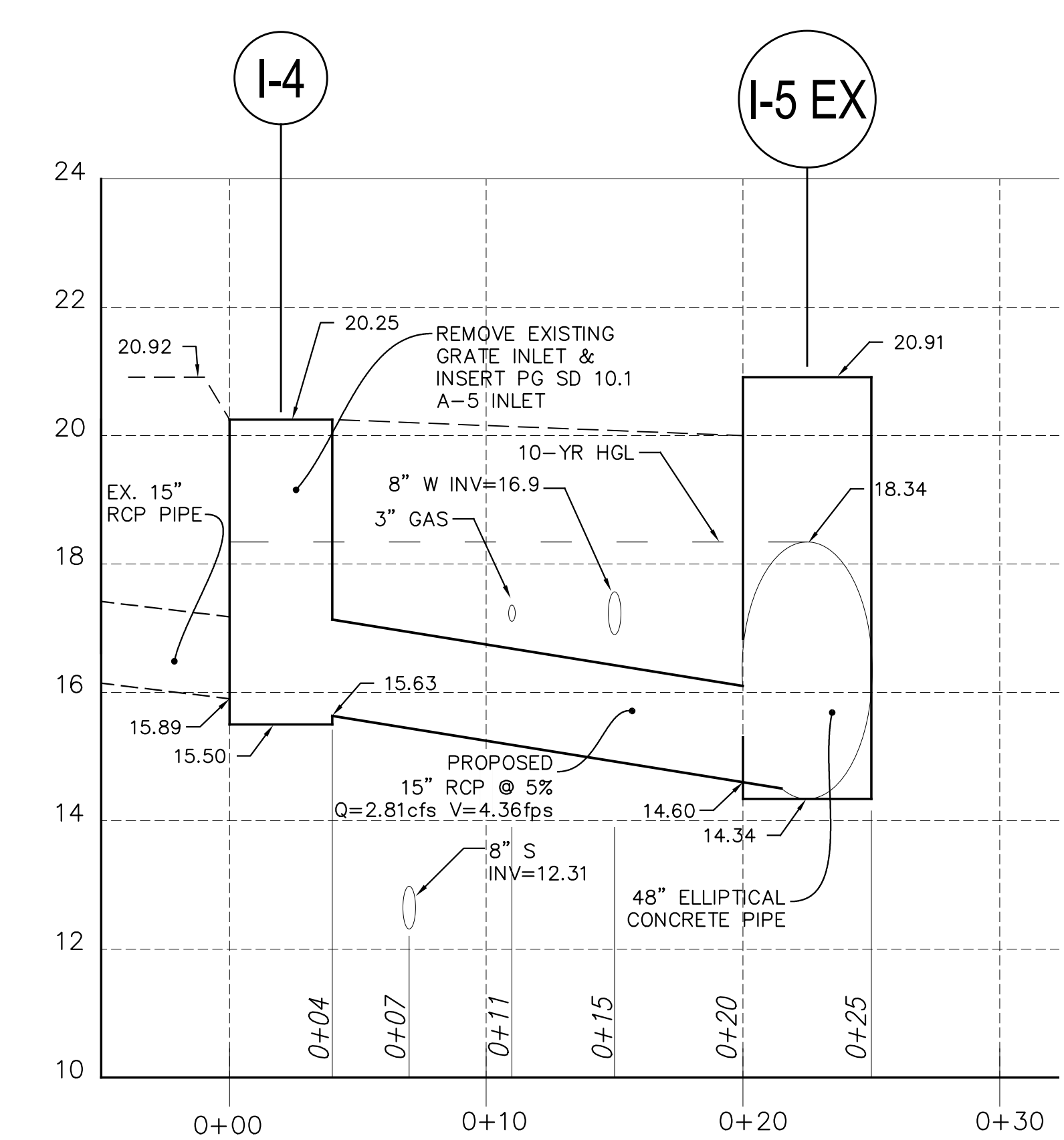
DESIGNED: MC
DRAWN: JJ
CHECKED: MC C.I.P.
Ross Farah-Far PROJECT MANAGER CONTRACT NO.



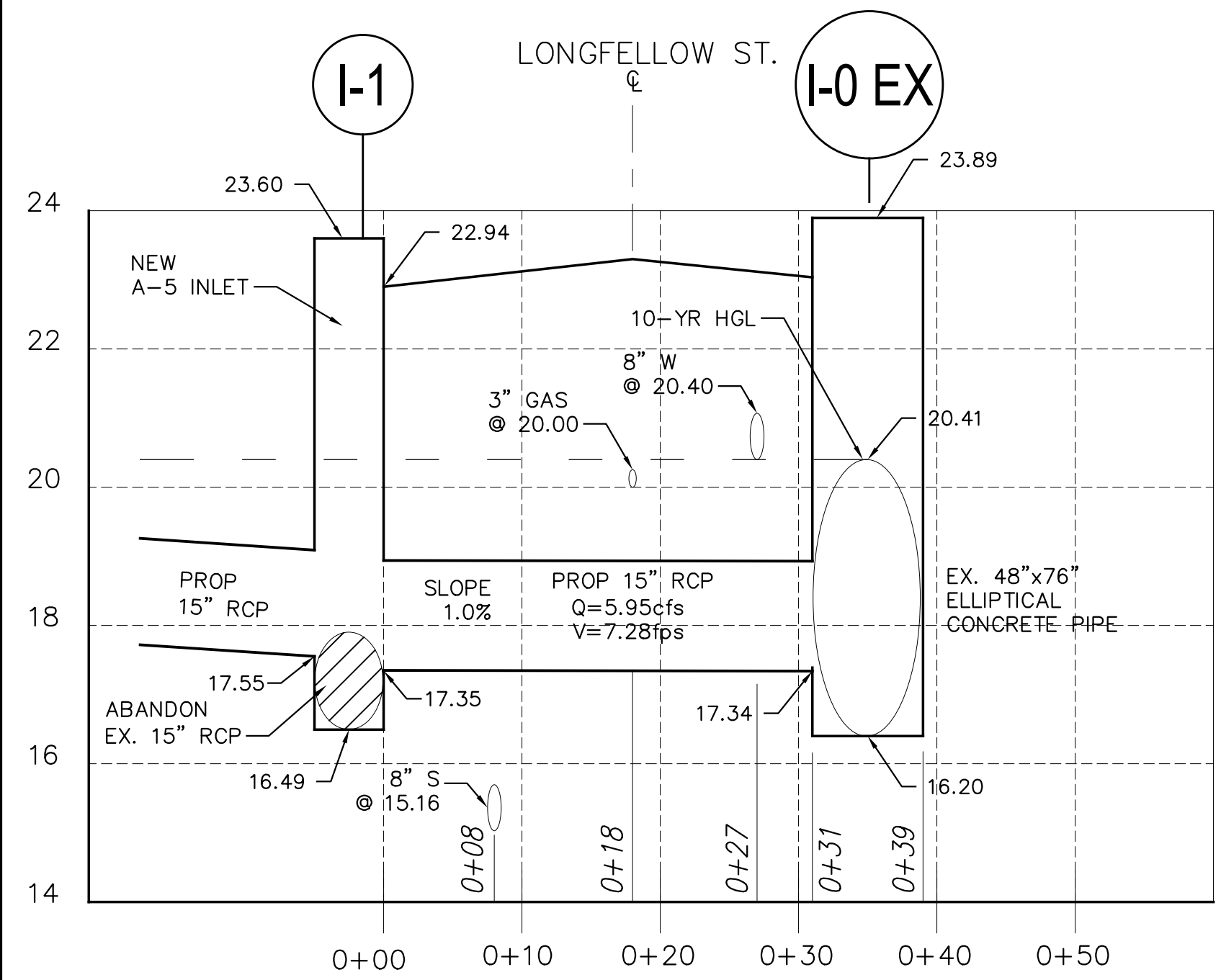
**PROPOSED YARD INLET I-1A
AND 15" RCP PIPE**
Scale: horiz. 1"=20'
vert. 1"=2'



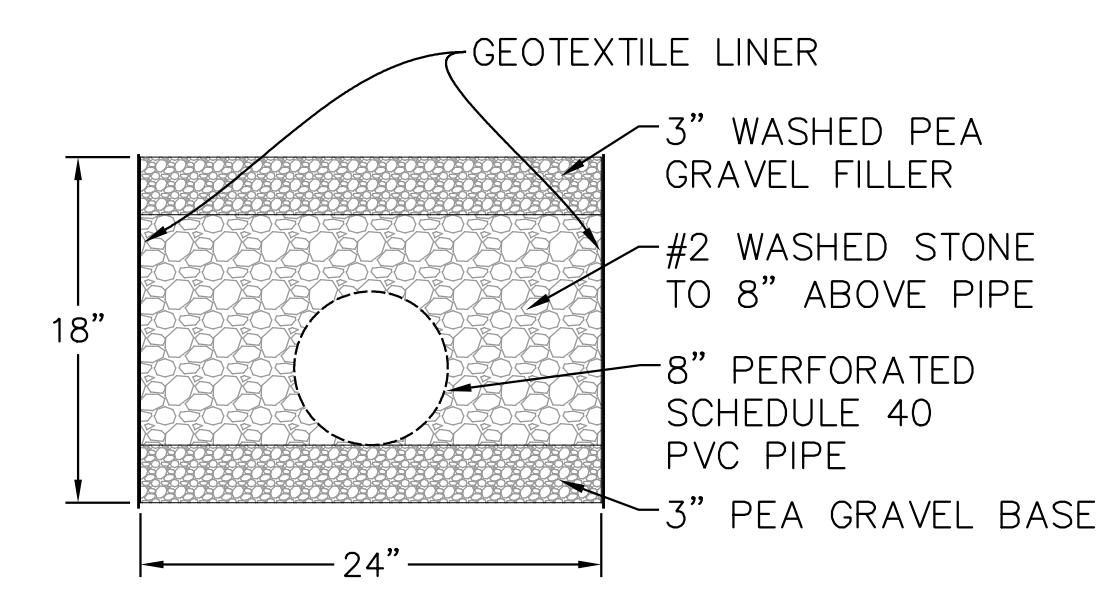
STORM DRAIN PROFILE I-2 TO I-4
Scale: horiz. 1"=50'
vert. 1"=2'



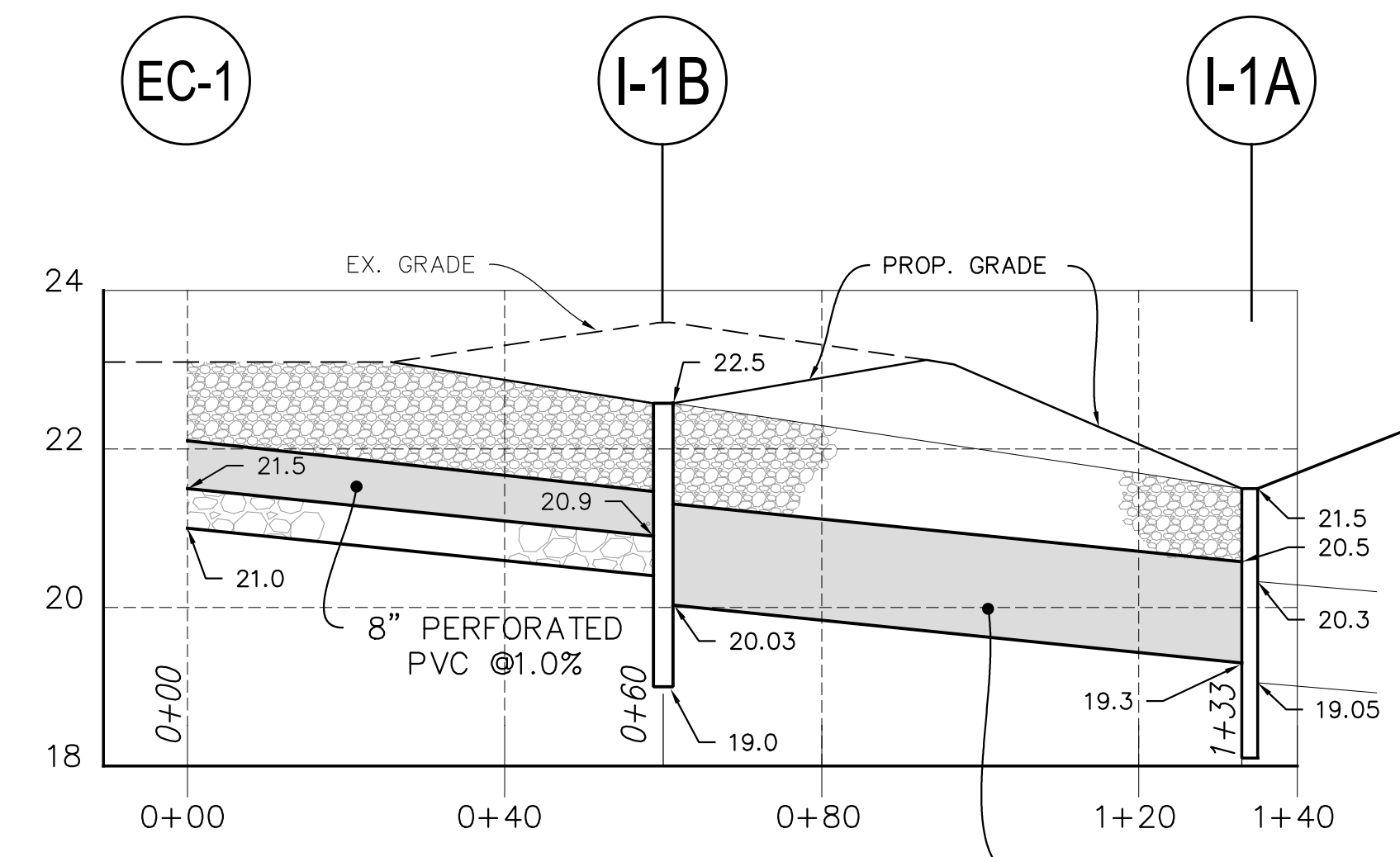
PROPOSED 15" RCP
Scale: horiz. 1"=5'
vert. 1"=2'



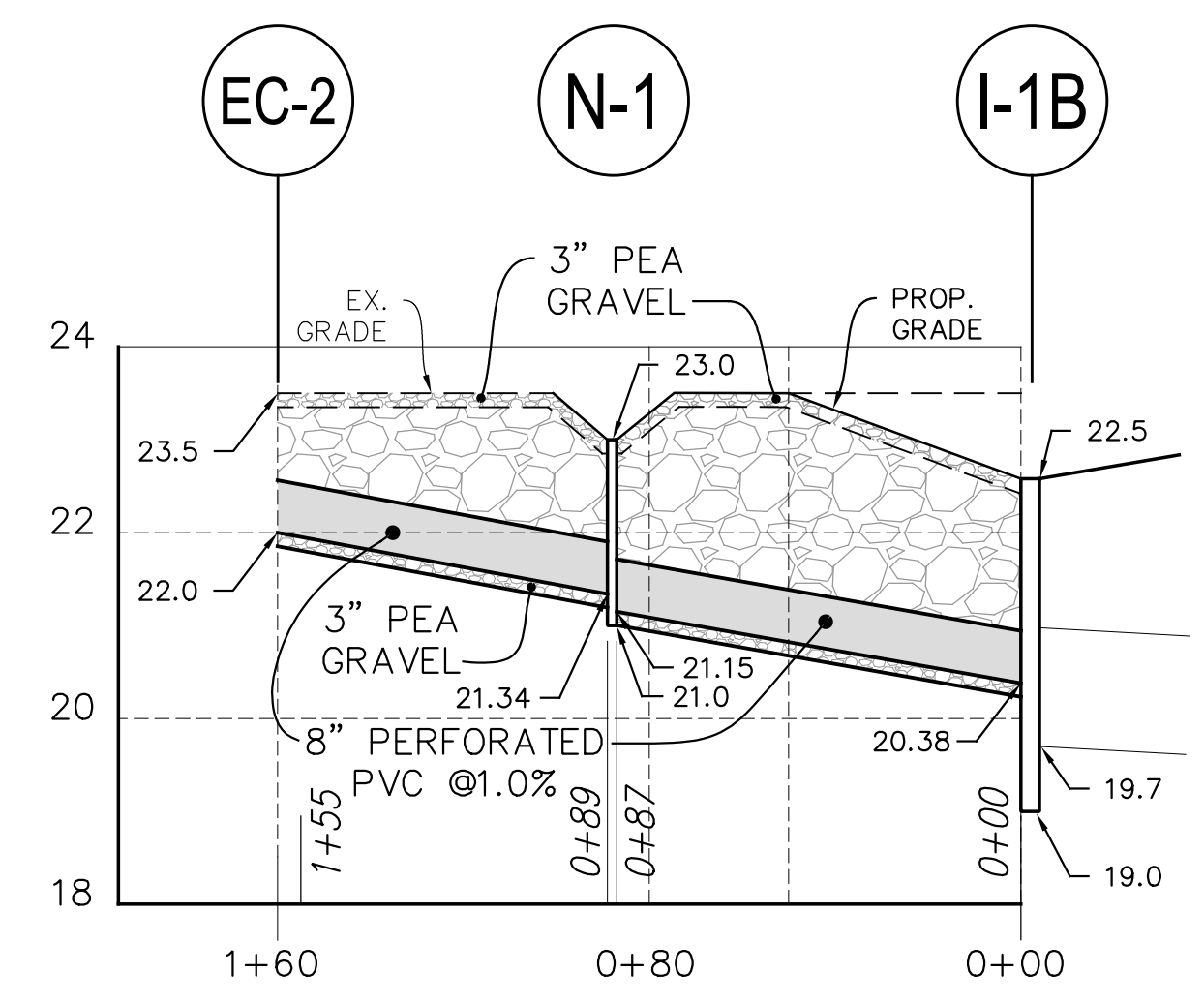
PROFILE I-1 TO EX SD
Scale: horiz. 1"=10'
vert. 1"=2'



**STONE DIAPHRAGM
TYPICAL SECTION**
N.T.S.



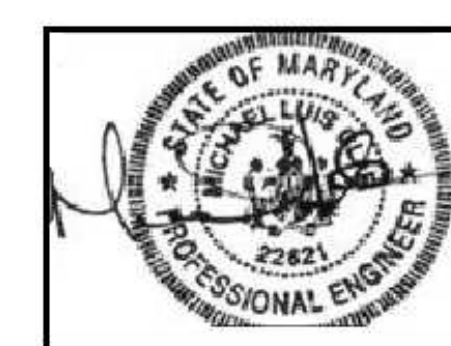
STORM DRAIN PROFILE
Scale: horiz. 1"=20'
vert. 1"=2'



STORM DRAIN PROFILE
Scale: horiz. 1"=40'
vert. 1"=2'

BONDED AND INSPECTED BY	STRUCTURE SCHEDULE					
	NO.	TYPE	WIDTH DIAM.	INV. ELEV.	TOP ELEVATION UPPER LOWER	STANDARD DETAIL
DPW&T	I-1B	Modified Yard Drain	3.5'	19.7	22.5'	DER STD 15.0
DPW&T	I-1A	Modified Yard Drain	3.5'	19.05'	21.5'	DER STD 15.0
DPW&T	I-1	A-5 Inlet	2.5'	17.75'	23.60'	DER STD 10.1
DPW&T	I-4	A-10 Inlet	2.5'	15.63'	20.25'	DER STD 10.1

BONDED AND INSPECTED BY	PIPE SCHEDULE				
	FROM	TO	SIZE	TYPE	LENGTH
DPW&T	I-1B	I-1A	15"	R.C.P. - CL-111	73.00
DPW&T	I-1A	I-1	15"	R.C.P. - CL-111	140.00
DPW&T	I-1	I-0 Exist	15"	R.C.P. - CL-1V	31.00
DPW&T	I-4	I-5 Exist	15"	R.C.P. - CL-1V	20.00



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License No.: 22621 Expiration Date: 2-17-2022

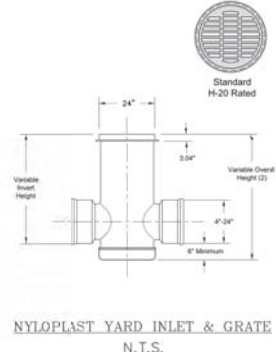
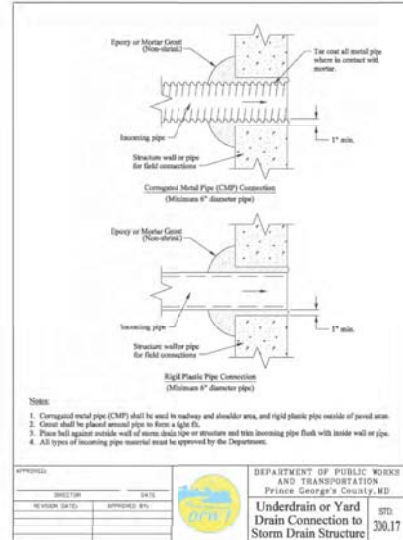
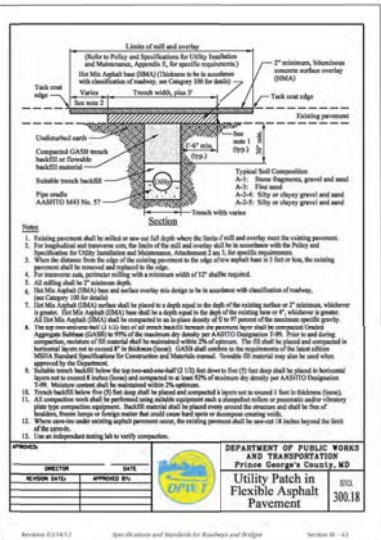
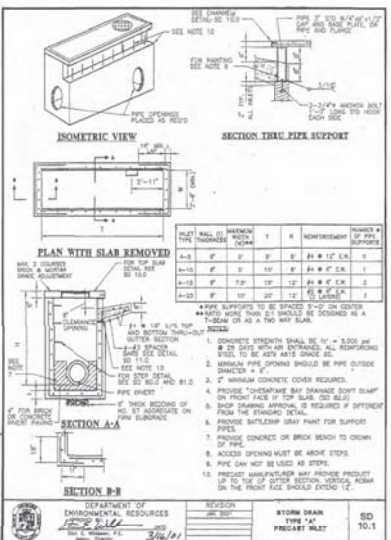


TOWN OF RIVERDALE PARK LONGFELLOW STREET STORM DRAIN RETROFIT

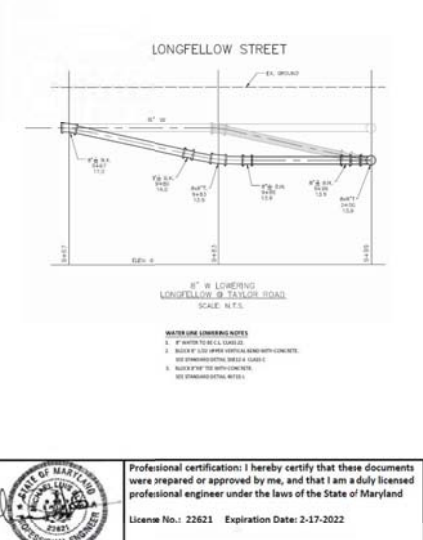
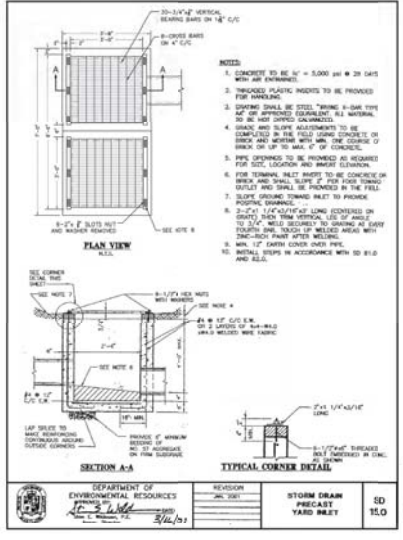
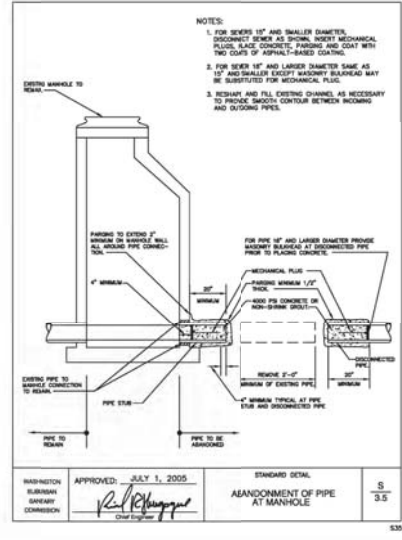
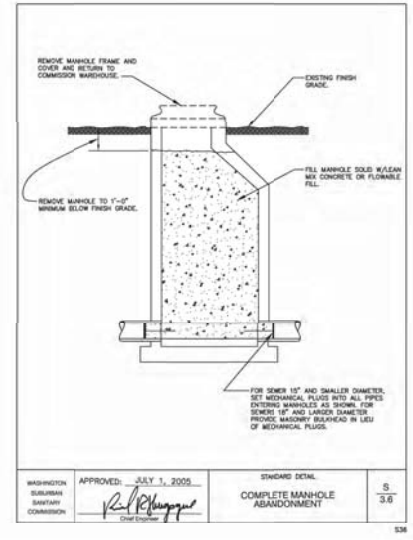
PERMIT REQUIREMENTS table with columns for CONCEPTUAL APPROVAL, FLOODPLAIN APPROVAL, etc.

AS-BUILT DATA table with columns for CONTRACT NO., CONTRACTOR, INSPECTOR, etc.

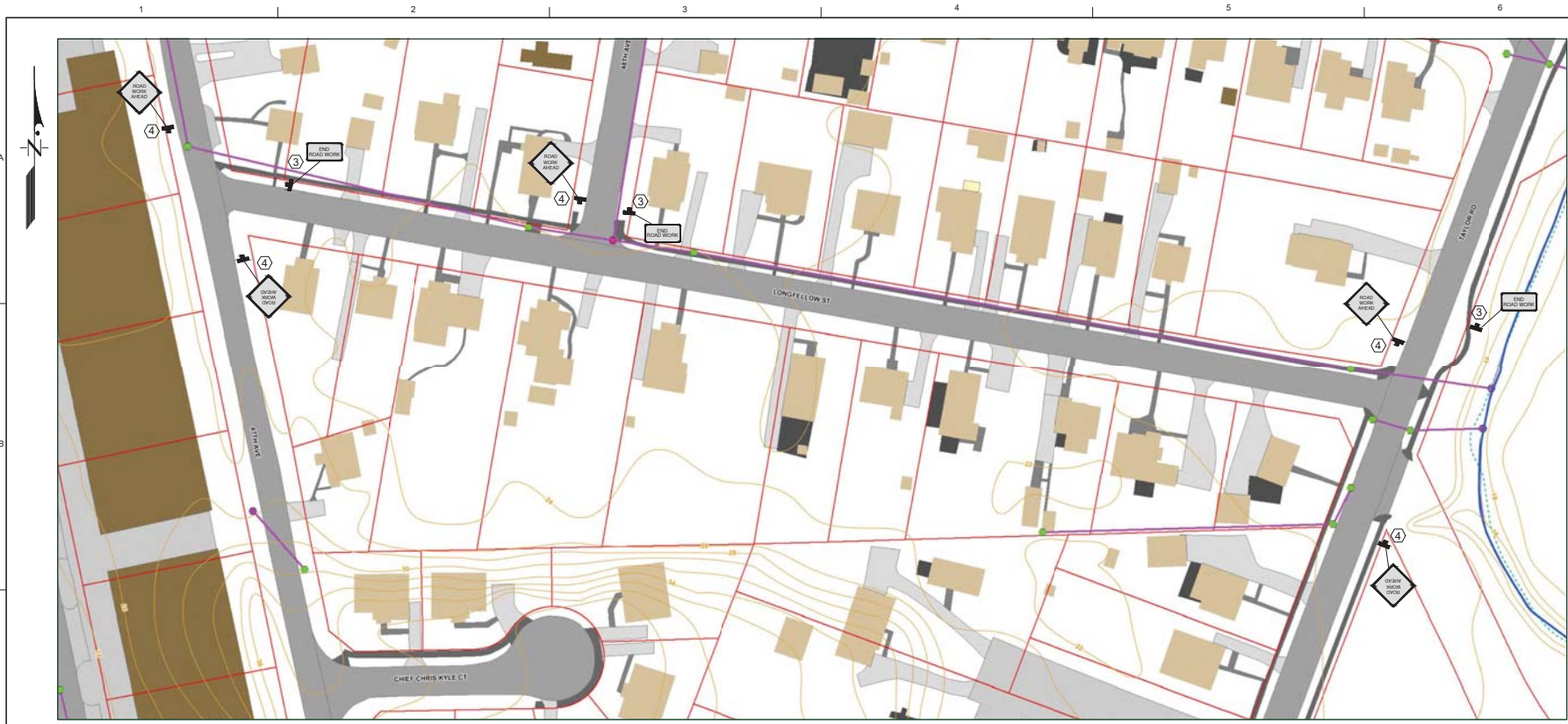
READY BY THE ENVIRONMENT SUSTAINABLE DESIGN PRINCE GEORGE'S COUNTY, MARYLAND table with columns for APPROVED, DESIGNER, etc.



NYLOPLAST YARD INLET & GRATE N.T.S.



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.: 22621 Expiration Date: 2-17-2022



MOT PLAN LONGFELLOW STREET

- 2 foot contours (2017)
- Storm Drain Structures - 06-04-19
- Storm Drain Conveyance - 06-04-19
- Property lines
- Hydro Line (2017)
- Hydro Area (2017)
- Transportation 2017
- Impervious Surface 2017
- Buildings by Roof Type 2017**
- Flat
- Gable

- SHEET KEYNOTES** ○
1. HATCHED AREA DENOTES AREA WITHIN RIGHT-OF-WAY FOR CONTRACTOR'S USE.
 2. PROVIDE DRUMS AS CHANNELIZING DEVICES AROUND WORK AREA IN ROADWAY, 10 FOOT SPACING.
 3. SIGN: "END ROAD WORK" (G20-2(1) 36x18).
 4. SIGN: "ROAD WORK AHEAD" (W20-1 36x36).
 5. PROVIDE DETECTABLE TEMPORARY BARRIER WITH SIGN: "SIDEWALK CLOSED" (R9-9, 24x12).
 6. PROVIDE MINIMUM OF 10 FEET BETWEEN EDGE OF PAVEMENT AND DRUMS FOR ONE WAY TRAFFIC DURING CONSTRUCTION.



**TOWN OF RIVERDALE PARK
LONGFELLOW STREET
STORM DRAIN RETROFIT**

PERMIT REQUIREMENTS	
CONCEPTUAL APPROVAL	REG'D
FLOODPLAIN APPROVAL	NOT REG'D
PGSD - \$500 if DISTURBED	NOT REG'D
PRINCE GEORGE'S COUNTY DNR	REG'D
M.A.C.P. A.P.C.	REG'D
WSSC	REG'D
STATE HWY. ADM.	NOT REG'D
M.D.E. WATERWAY CONST.	NOT REG'D
M.D.E. DAM SAFETY	NOT REG'D
ARMY CORPS OF ENGINEERS	NOT REG'D
MARYLAND S.W.M. ADM. APPROVAL	NOT REG'D
M.D.E. - W.O.C.	NOT REG'D
TREE PRESERVATION	NOT REG'D
CRITICAL AREA	NOT REG'D
MDE NON TIDAL WETLAND PERMIT	NOT REG'D
MARYLAND DNR	NOT REG'D

AS-BUILT DATA	
CONTRACT NO.	
CONTRACTOR	
INSPECTOR	
DATE FINISHED	
FINALED BY	
DATE	REVISION
8/17/17	CONCEPTUAL PLAN
2/16/18	REVISED CONCEPT PLAN

DEPARTMENT OF THE ENVIRONMENT SUSTAINABILITY DIVISION PRINCE GEORGE'S COUNTY, MARYLAND			
Dawn Hawkins-Nixon		04/25/18	DATE
ASSOCIATE DIRECTOR			
SCALE:	DWG	COVER	
APPROVED:	Moses Farhan	04/25/18	DATE
	SECTION HEAD		
DESIGNED:	MIC		DATE
DRAWN:	BS		
CHECKED:	MIC		C.I.P.
Road Facility For PROJECT MANAGER			CONTRACT NO.



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.: 22621 Expiration Date: 2-17-2022

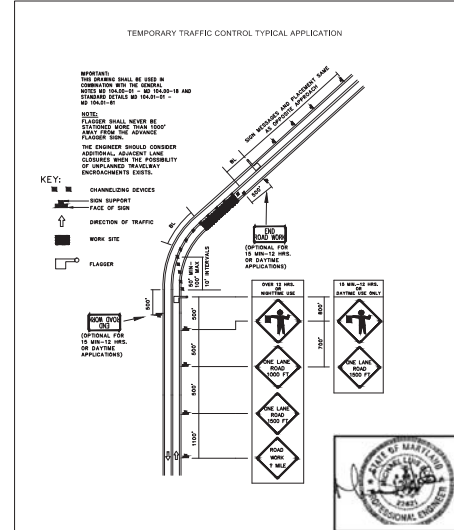
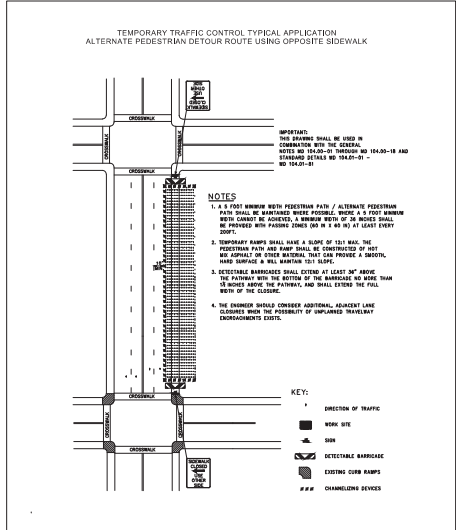
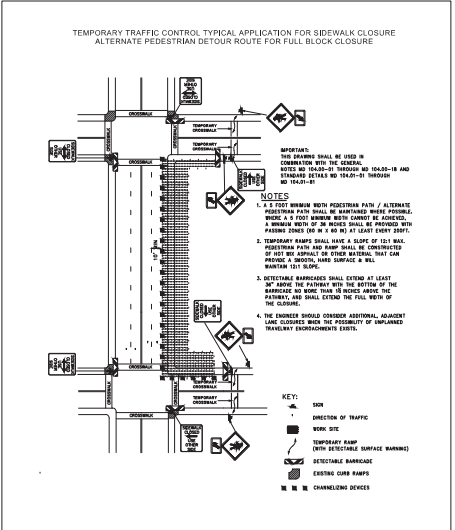
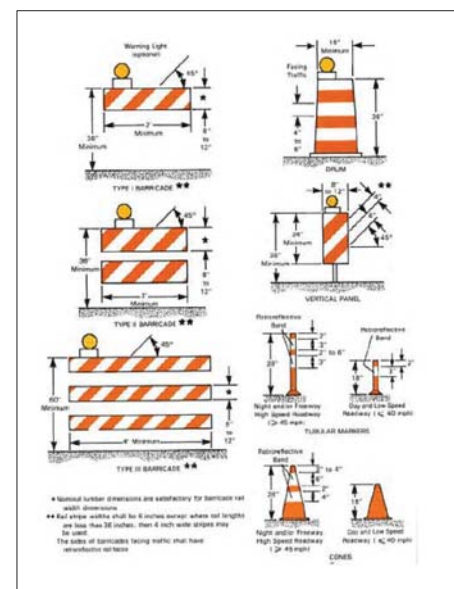
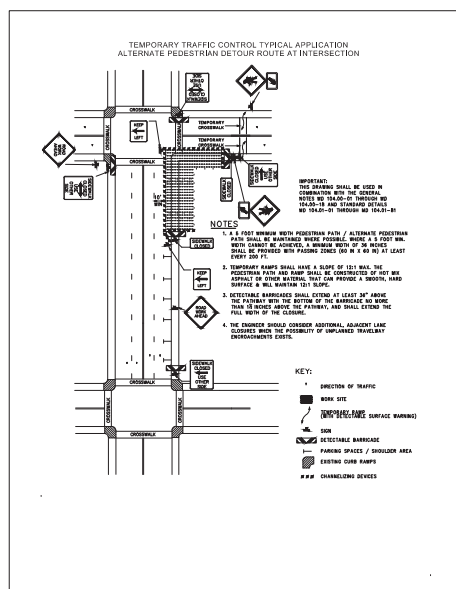
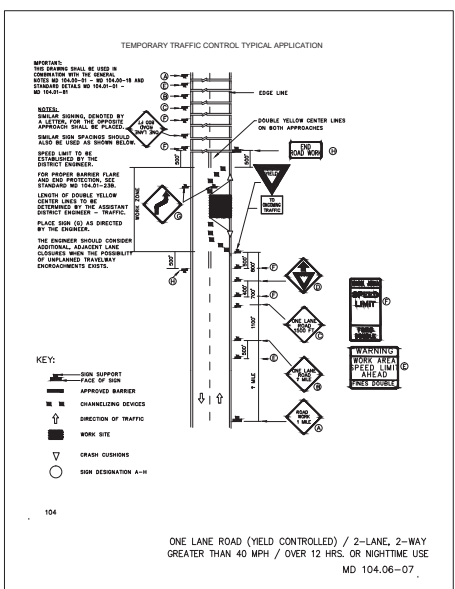
DEPARTMENT OF THE ENVIRONMENT

ECOSITE, INC.
Ecologically Sustainable Design
4920 NIAGARA ROAD SUITE 311 COLLEGE PARK, MD 20740 PHONE: (410) 804-8000

Town of Riverdale Park
LONGFELLOW STREET
FROM 47th AVENUE TO TAYLOR STREET
STORM DRAIN RETROFIT

MAINTENANCE OF
TRAFFIC PLAN (MOT) 1

C-7



**TOWN OF RIVERDALE PARK
 LONGFELLOW STREET
 STORM DRAIN RETROFIT**

PERMIT REQUIREMENTS

CONCEPTUAL APPROVAL	REQD.
FLOODPLAIN APPROVAL	NOT REQD.
FEDS-CROSS IF DISTURBED	NOT REQD.
P.D. COUNTY USE	REQD.
M.N.C.P. & P.C.	REQD.
WBSC	REQD.
STATE HWY. ADM.	NOT REQD.
M.D.E. WATERWAY CONST.	NOT REQD.
M.D.E. DAM SAFETY	NOT REQD.
ARMY CORPS OF ENGINEERS	NOT REQD.
MARYLAND S.W.M. ADM. APPROVAL	NOT REQD.
M.D.E. W.P.C.	NOT REQD.
TREE PRESERVATION	NOT REQD.
CRITICAL AREA	NOT REQD.
MSD NON TIDAL WETLAND PERMIT	NOT REQD.
MARYLAND DNR	NOT REQD.

AS-BUILT DATA

CONTRACT NO.	
CONTRACTOR	
INSPECTOR	
DATE FINALE	
FINALE BY	
DATE	REVISION
8/17/17	CONCEPTUAL PLAN
2/16/18	REVISED CONCEPT PLAN

DEPART OF THE ENVIRONMENT
 SUSTAINABILITY DIVISION
 PRINCE GEORGE'S COUNTY, MARYLAND

Donna Heston, Assoc. Dir.
 Associate Director

SCALE: DWG COVER

APPROVED:	Maria Farnish	GABRIELE
SECTION HEAD		DATE
DESIGNED:	MC	
DRAWN:	BS	C.I.P.
CHECKED:	MC	
PROJECT MANAGER:	Ross Farnish	CONTRACT NO.

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.: 22621 Expiration Date: 2-17-2022



TOWN OF RIVERDALE PARK
LONGFELLOW STREET
STORM DRAIN RETROFIT

PERMIT REQUIREMENTS

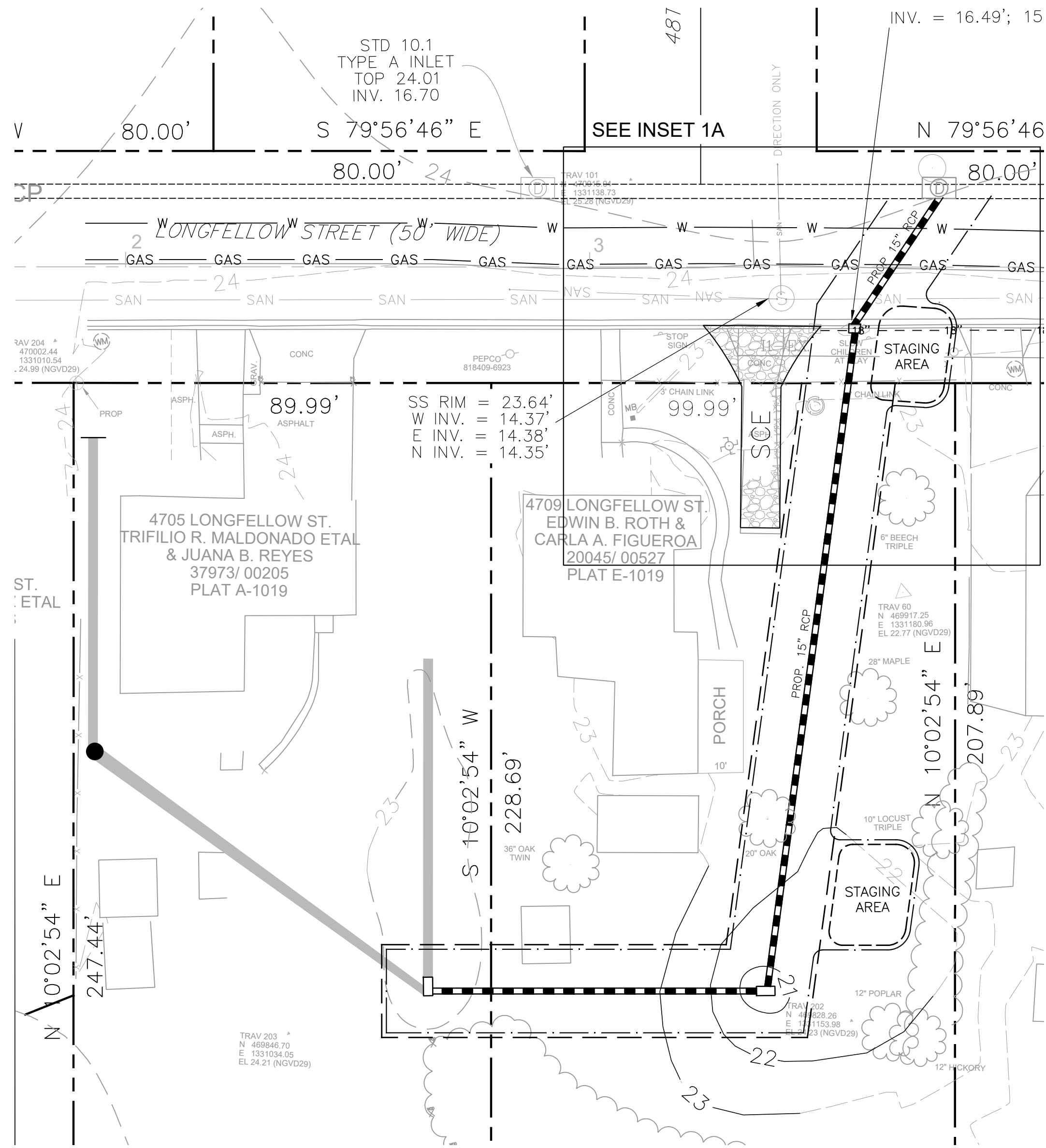
CONCEPTUAL APPROVAL	REQ'D
FLOODPLAIN APPROVAL	NOT REQ'D
PGSCD <5000 SF DISTURBED	NOT REQ'D
P.G. COUNTY DP/E	REQ'D
M.N.C.P. & P.C.	REQ'D
WSSC	REQ'D
STATE HWY. ADM.	NOT REQ'D
M.D.E. WATERWAY CONST.	NOT REQ'D
M.D.E. DAM SAFETY	NOT REQ'D
ARMY CORPS OF ENGINEERS	NOT REQ'D
MARYLAND S.W.M. ADM. APPROVAL	NOT REQ'D
M.D.E. - W.Q.C.	NOT REQ'D
TREE PRESERVATION	NOT REQ'D
CRITICAL AREA	NOT REQ'D
MDE NON TIDAL WETLAND PERMIT	NOT REQ'D
MARYLAND DNR	NOT REQ'D

AS-BUILT DATA

CONTRACT NO.	
CONTRACTOR	
INSPECTOR	
DATE FINALED	
FINALED BY	
DATE	REVISION

**DEPARTMENT OF THE ENVIRONMENT
SUSTAINABILITY DIVISION
PRINCE GEORGE'S COUNTY, MARYLAND**

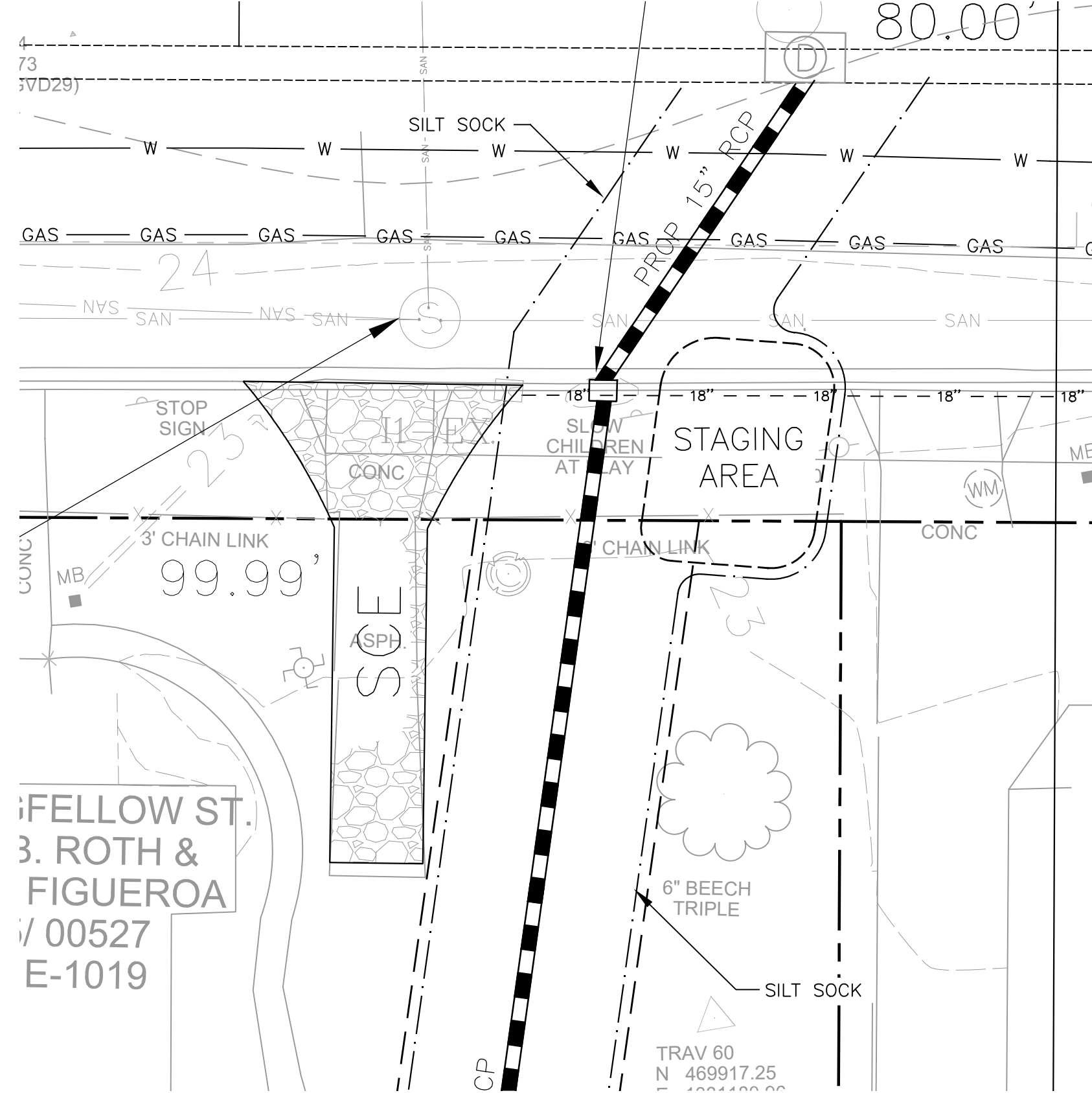
Dawn Hawkins-Nixon ASSOCIATE DIRECTOR		06/15/2021 DATE
SCALE:		DWG COVER
APPROVED:	Moses Faridan SECTION HEAD	06/15/2021 DATE
DESIGNED:	MC	
DRAWN:	JJ	
CHECKED:	MC	C.I.P.
Ross Farah-Far PROJECT MANAGER		CONTRACT NO.



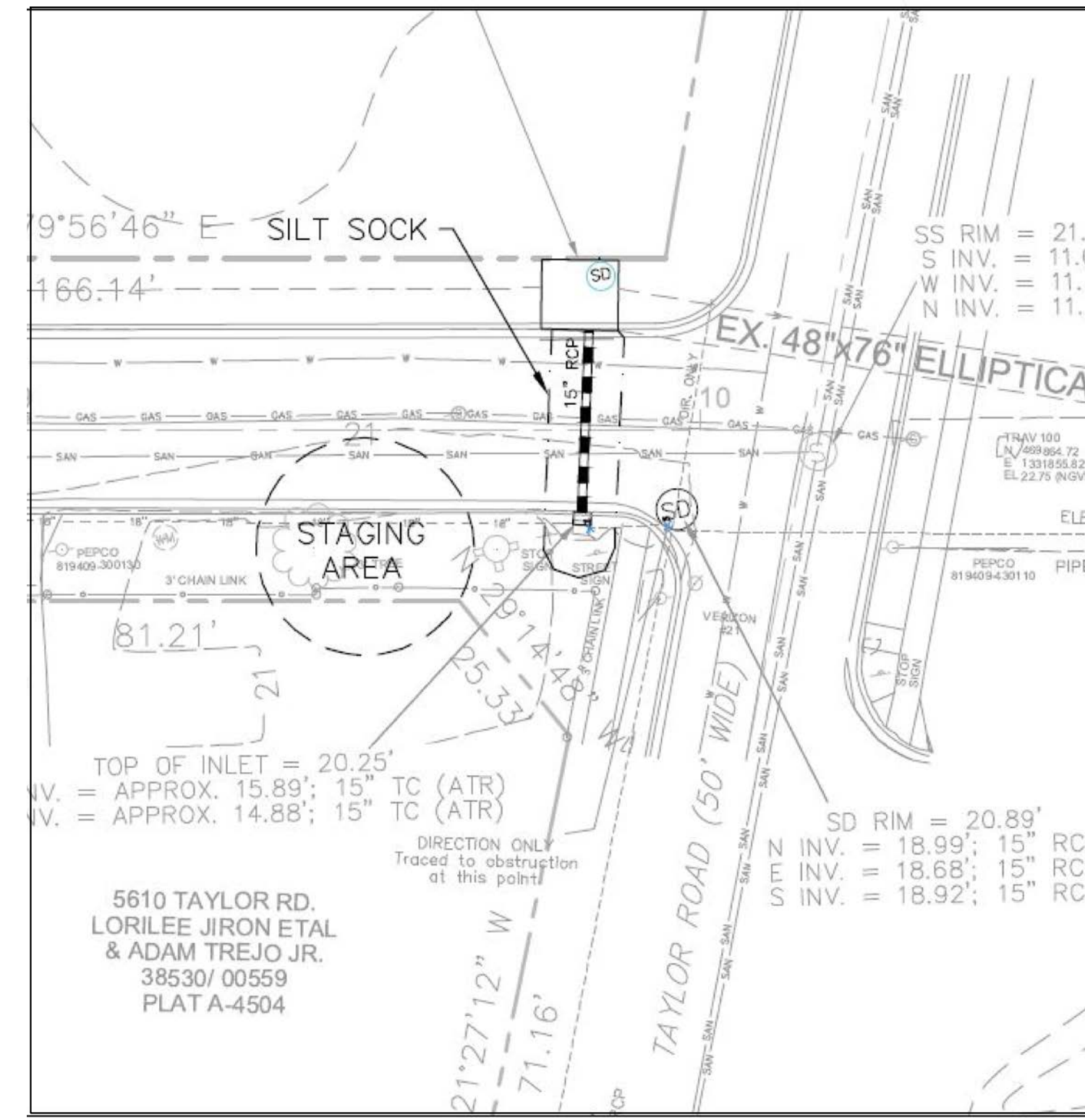
INSET 1
SCALE: 1" = 20'-0"

NOTE 1
"I HEREBY CERTIFY THAT THIS PLAN CONFORMS TO THE REQUIREMENTS OF SUBTITLE 32, DIVISION 2 OF THE CODE OF PRINCE GEORGE'S COUNTY WATER RESOURCES PROTECTION AND GRADING CODE; AND THAT I OR MY STAFF HAVE INSPECTED THIS SITE AND THAT DRAINAGE FLOWS FROM UPHILL PROPERTIES ONTO THIS SITE, AND FROM THIS SITE ONTO DOWNHILL PROPERTIES, HAVE BEEN ADDRESSED IN SUBSTANTIAL ACCORDANCE WITH APPLICABLE CODES, AND SIGNED, SEALED AND DATED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF MARYLAND"

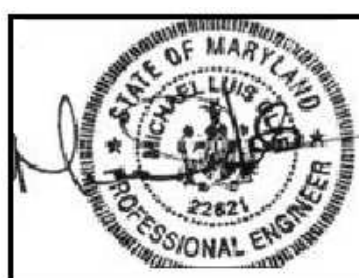
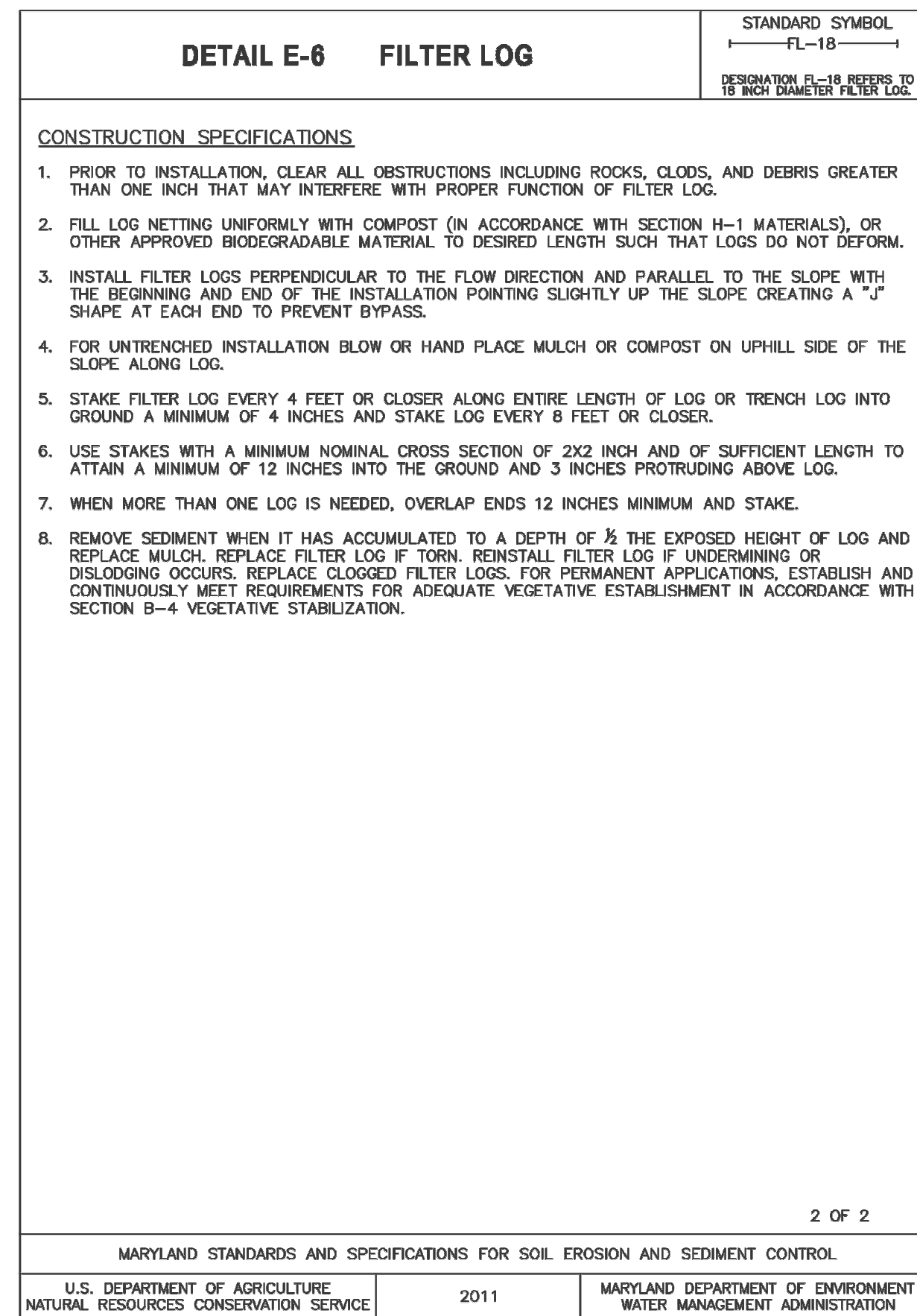
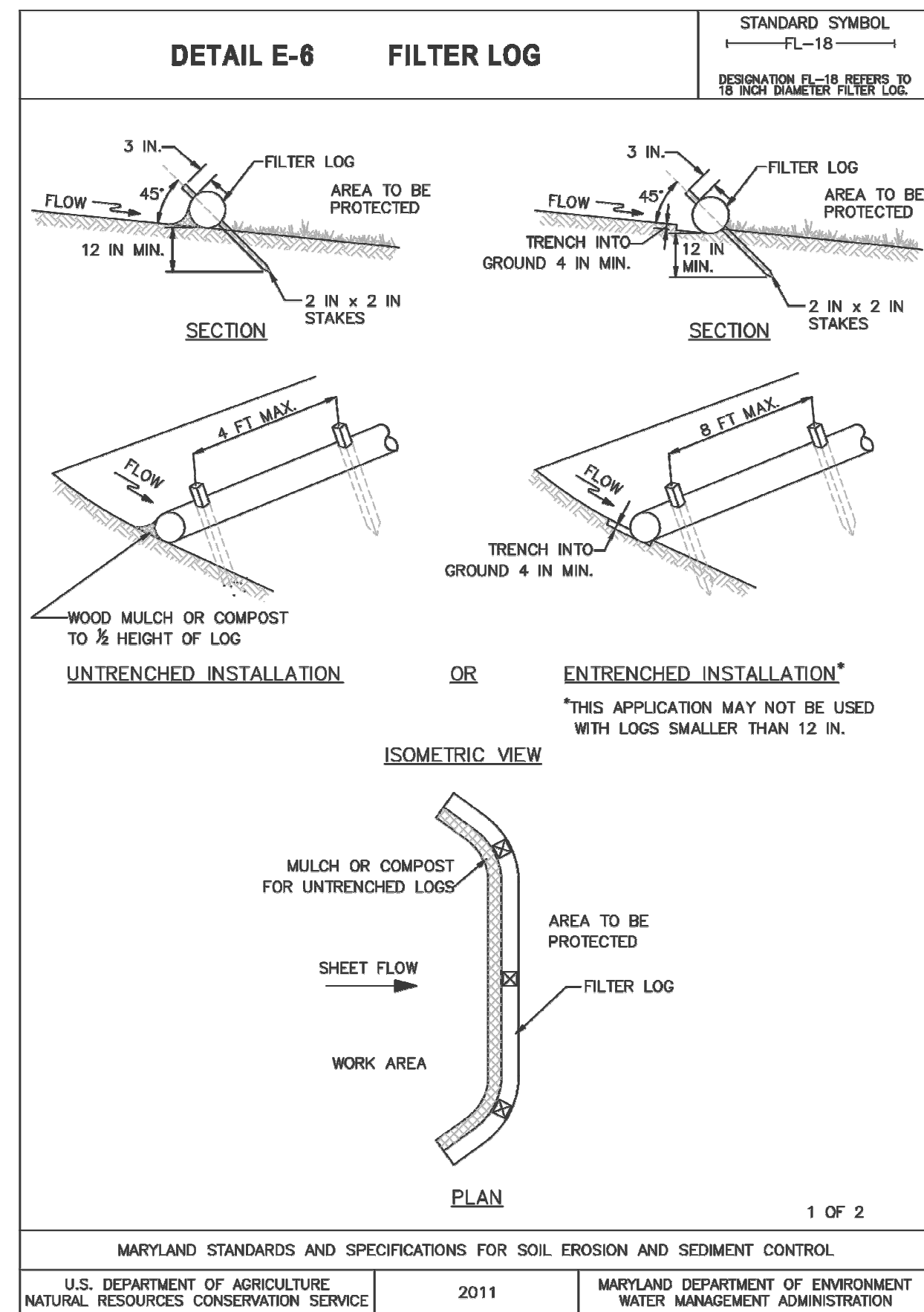
STABILIZATION NOTE
Stabilization practices on all projects must be in compliance with the requirements of COMAR26.17.1.08 G regulations by January 9, 2013, regardless of when an Erosion and Sediment Control Plan was approved. Following initial soil disturbance or re-disturbance, permanent or temporary stabilization must be completed within: Three (3) calendar days as to the surface of all perimeter dikes, swales, ditches, perimeter slopes, and all slopes steeper than 3 horizontal to 1 vertical (3:1); and Seven (7) calendar days as to all other disturbed or graded areas on the project site not under active grading.



INSET 1A
SCALE: N.T.S.



INSET 2
SCALE: 1" = 20'-0"



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.: 22621 Expiration Date: 2-17-2022

DEPARTMENT OF THE ENVIRONMENT

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Ecologically Sustainable Design

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PHONE: (410) 804-8000

Town of Riverdale Park
LONGFELLOW STREET
FROM 47th AVENUE TO TAYLOR STREET
STORM DRAIN RETROFIT

EROSION AND
SEDIMENT
CONTROL PLAN

ESC-1

