



**ENGINEERS
SURVEYORS
PLANNERS
LANDSCAPE ARCHITECTS**

82 Worman's Mill Ct
Suite G
Frederick, MD 21701
Phone: 301-695-0880
Fax: 301-293-6009

LETTER of TRANSMITTAL

To: Frederick SCD
92 Thomas Johnson Dr.
Frederick, MD 21702

Date: 10/25/2019 **Project No.:** 18-31047

Attn: David Huffer

RE: Emmitsburg Rutters

WE ARE SENDING THE FOLLOWING ITEMS:

☒ Attached ☐ Under separate cover via:

COPIES	DATE	DESCRIPTION
1		Improvement Plans
1		SWM Computations
1		Transmittal & Fee Check

THESE ARE TRANSMITTED AS INDICATED BELOW:

☐ For approval ☐ As Requested ☐ Other:
☐ For your use ☒ For Review and Comment

REMARKS:

CC:

SENT BY: _____

Joseph H. Ceci, P.E.

Vice President

jceci@foxassociatesinc .com

Recvd By: _____



**ENGINEERS
SURVEYORS
PLANNERS
LANDSCAPE ARCHITECTS**

**82 Worman's Mill Ct
Suite G
Frederick, MD 21701
Phone: 301-695-0880
Fax: 301-293-6009**

LETTER of TRANSMITTAL

To: Town of Emmitsburg
300 A South Seton Ave
Emmitsburg, MD 21727

Date: 10/25/2019 **Project No.:** 18-31047

Attn: Zach Gulden

RE: Emmitsburg Rutters

WE ARE SENDING THE FOLLOWING ITEMS:

☒ Attached ☐ Under separate cover via:

COPIES	DATE	DESCRIPTION
15		Improvement Plans
1		SWM Computations
1		Pump Station Computations
1		Fee Check

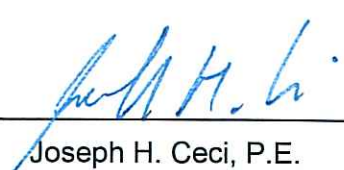
THESE ARE TRANSMITTED AS INDICATED BELOW:

☐ For approval ☐ As Requested ☐ Other:
☐ For your use ☒ For Review and Comment

REMARKS:

CC:

SENT BY:


Joseph H. Ceci, P.E.
Vice President

Recvd By: _____

jceci@foxassociatesinc .com

RUTTER'S STORE 084

IMPROVEMENT PLAN

TOWN OF EMMITSBURG FREDERICK COUNTY, MARYLAND

GENERAL NOTES

- OWNER: SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774
DEVELOPER: M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404
- SITE INFORMATION: THE SUBJECT SITE CONSISTS OF 13.7 AC. +/-, PLUS 2.03 AC. +/- ALONG FRONT.
TAX MAP 9, PARCEL 8, L. 8995, F. 443. THIS PLAN WAS PREPARED WITHOUT BENEFIT OF A TITLE REPORT AND MAY NOT INDICATE ALL ENCUMBRANCES ON THE PROPERTY.
- TOPOGRAPHY: THE TOPOGRAPHIC SURVEY IS PROVIDED BY AERIAL SURVEY. VERTICAL DATUM IS BASED ON NAVD83. HORIZONTAL DATUM IS BASED ON MARYLAND STATE PLANE COORDINATE SYSTEM NAD 83/91.
- FLOODPLAIN: THE 100 YEAR FLOODPLAIN IS SHOWN PER THE FREDERICK COUNTY, MARYLAND FLOOD INSURANCE RATE MAP COMMUNITY PANEL #24021C00600.
- WETLANDS: WETLANDS SHOWN HEREON WERE DELINEATED BY TIM KELLERMAN, TRIAD ENGINEERING, INC. DATED APRIL, 2019.
- SUBSURFACE: FOX & ASSOCIATES, INC. HAS PERFORMED NO SUBSURFACE INVESTIGATION TO DETERMINE LOCATIONS OF ROCK, SOIL TYPES, WATER TABLE, UTILITIES, ETC.
- ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE TOWN OF WALKERSVILLE, FREDERICK COUNTY DUSVM GENERAL CONDITIONS AND STANDARD SPECIFICATIONS FOR WATER MAINS, SANITARY SEWERS AND RELATED STRUCTURES AND THE MSHA 2018 STANDARDS AND SPECIFICATIONS FOR CONSTRUCTION MATERIALS.
- INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION WHEN NOT SPECIFIED. IF CLEARANCE IS LESS THAN SPECIFIED ON THIS PLAN OR LESS THAN 12 INCHES, CONTACT FOX & ASSOCIATES, INC. BEFORE PROCEEDING WITH CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777, TOWN OF WALKERSVILLE DPW AT (301) 845-4500, SEVENTY-TWO (72) HOURS PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS BEFORE BEGINNING CONSTRUCTION.
- ALL CONSTRUCTION STATIONING IS APPROXIMATE AND MAY BE ADJUSTED IN ORDER TO MEET FIELD CONDITIONS. CONTACT THE FREDERICK CITY DEPARTMENT OF ENGINEERING INSPECTOR AND FOX & ASSOCIATES, INC. PRIOR TO MAKING ANY MODIFICATIONS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE UTILIZATION OF MEN, MATERIALS, EQUIPMENT OR SAFETY MEASURES IN THE PERFORMANCE OF ANY WORK ON THIS PROJECT. THE CONTRACTOR ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR PERFORMING THE WORK CORRECTLY AND IN CONFORMANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
- ALL MATERIALS EXCAVATED WHICH IS UNSUITABLE FOR BACKFILL SHALL BE DISPOSED OF AT AN APPROVED LOCATION.
- PLACEMENT OF ANY CONCRETE WORK SUCH AS CURBS/GUTTERS/DRIVEWAYS/APRONS, ETC., SHALL BE COMMENCED ONLY AFTER THE RELOCATIONS AND/OR INSTALLATION OF ALL UTILITIES INCLUDING GAS LINES/ELECTRICAL LINES/ STREET LIGHTING CONDUITS/CONDUITS/TELEVISION CABLE/WATER AND SEWER LINES/ETC. ARE IN PLACE.
- CONTRACTOR SHALL NOTIFY FREDERICK COUNTY ENVIRONMENTAL COMPLIANCE SECTION (301-600-3807) AT LEAST 3 DAYS PRIOR TO START OF WORK.
- JOB SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- ANY BLASTING REQUIRED FOR SITE CONSTRUCTION SHALL REQUIRE THE CONTRACTOR TO OBTAIN PROPER PERMITS AND PERFORM BLASTING OPERATIONS IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- SOILS INFORMATION TAKEN FROM "SOILS SURVEY OF FREDERICK COUNTY", 2014 EDITION.
- TOWN WATER MAINS TO BE 8" DIP CL. 52 UNLESS OTHERWISE NOTED AND INSTALLED WITH A MINIMUM 3.5' OF COVER AND IN ACCORDANCE WITH THE PLUMBING CODE.
- FOX & ASSOCIATES, INC. HAS PERFORMED NO SUBSURFACE INVESTIGATION TO DETERMINE LOCATIONS OF ROCK, DIFFERENT SOIL TYPES, WATER TABLES UTILITIES, ETC.
- EXISTING UTILITIES ARE SHOWN FROM BEST AVAILABLE RECORDS. THE CONTRACTOR SHALL TEST PIT IN THE AREA OF KNOWN UTILITIES TO VERIFY SIZE, ELEVATION, LOCATION AND TYPE PRIOR TO PERFORMING ANY WORK. ANY UTILITY, WHETHER SHOWN OR NOT, THAT IS DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED IMMEDIATELY AT NO EXPENSE TO THE OWNER. SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS, THE OWNER IS TO BE NOTIFIED IMMEDIATELY. SHOULD THE CONTRACTOR MAKE FIELD CORRECTIONS OR ADJUSTMENTS WITHOUT THE AUTHORIZATION OF THE OWNER, THEN THE CONTRACTOR ASSUMES THE RESPONSIBILITY FOR SAID CORRECTIONS OR ADJUSTMENTS.
- ANY NECESSARY ADJUSTMENTS TO EXISTING MANHOLES, VALVE BOXES, ETC., ARE TO BE DONE SO BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND REPLACING ANY EXISTING FENCES, DRIVEWAYS, SIGNS, DRAINAGE PIPES, MAILBOXES, SHRUBS, TREES, ETC. DAMAGED OR REMOVED DURING CONSTRUCTION. ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL OR BETTER.
- ALL UNDERGROUND ROOF DRAIN TO BE 6" PVC SCH. 40 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE PLUMBING CODE.
- EXCAVATION WITHIN A STATE ROAD RIGHT-OF-WAY WILL REQUIRE A PERMIT ISSUED BY THE MARYLAND STATE HIGHWAY ADMINISTRATION (SHA).
- AS-BUILT CERTIFICATIONS IN ACCORDANCE WITH DPOR ENGINEERING REQUIREMENTS WILL BE REQUIRED AT THE COMPLETION OF THE PROJECT FOR ON-SITE SWM FACILITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING SILT AND DEBRIS OUT OF THE STORM DRAINAGE SYSTEM FOR THE DURATION OF THE CONTRACT.
- CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND AS NOTED IN SECTION 104, THE TEMPORARY TRAFFIC CONTROL SECTION, OF THE MARYLAND STATE HIGHWAY ADMINISTRATIONS BOOK OF STANDARDS, LATEST EDITIONS.
- CONTRACTOR SHALL NOT TAP OR OTHERWISE PENETRATE EXISTING SEWER MAINLINES WITHOUT PRIOR APPROVAL FROM TOWN OF WALKERSVILLE INSPECTOR. CONTRACTOR IS RESPONSIBLE TO AVOID SPILLAGE OF RAW SEWAGE. CONTRACTOR SHALL PROVIDE ALL SEWER PLUGGING AND PUMPING AND CONTAINMENT EQUIPMENT NECESSARY TO AVOID SPILLAGE.
- ALL BENCHMARKS SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION UNTIL TOWN HAS GRANTED FINAL APPROVAL TO THE PROJECT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING DUST, DIRT, DEBRIS AND MUD FROM ENTERING ALL ROADWAYS. IF DUST, DIRT, DEBRIS AND MUD HAPPEN TO OVERRIDE PREVENTION MEASURES AND ENTER THE ROADWAY, THE CONTRACTOR SHALL BE REQUIRED TO CLEAN THE ROADWAY AS SOON AS POSSIBLE, AT HIS/HER EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ELIMINATION OF DUST IN THE AIR BY THE REQUIRED WATERING OF THE GROUND AS NEEDED.
- THE CONTRACTOR SHALL NOT (1) STAGE WORK, (2) STORE MATERIALS OR (3) PERMIT

PARKING OF EQUIPMENT AND/OR CONSTRUCTION-RELATED VEHICLES IN THE PUBLIC RIGHTS-OF-WAY OR PUBLICLY-OWNED PROPERTY WITHOUT PRIOR APPROVAL OF THE TOWN OF EMMITSBURG, WHERE PRACTICAL AND TO THE DEGREE POSSIBLE, THE ENGINEER SHALL DESIGNATE ON THESE PLANS APPROPRIATE SPACE THAT CAN BE UTILIZED FOR THE ABOVE PURPOSES. IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO ENSURE THAT PROPER AND APPROPRIATE AREAS ARE SECURED FOR THESE USES FOR THE DURATION OF THE PROJECT.

25. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS RELATED TO TEMPORARY AND PERMANENT TRAFFIC CONTROL (PAVEMENT MARKINGS, SIGNAGE, SIGNALIZATION, TRAFFIC BARRIERS, FLAGGERS, ETC.).

22. THE SITE SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE MARYLAND ACCESSIBILITY CODE (MAC), THE AMERICAN DISABILITIES ACT 2010 (ADA), AND ANSI A117.1. IF THERE ARE CONFLICTING REQUIREMENTS, THE MOST STRINGENT SHALL APPLY.

23. SWM CONCEPT DEVELOPMENT PLAN, AP # 17321 WAS APPROVED ON MAY 17, 2017.

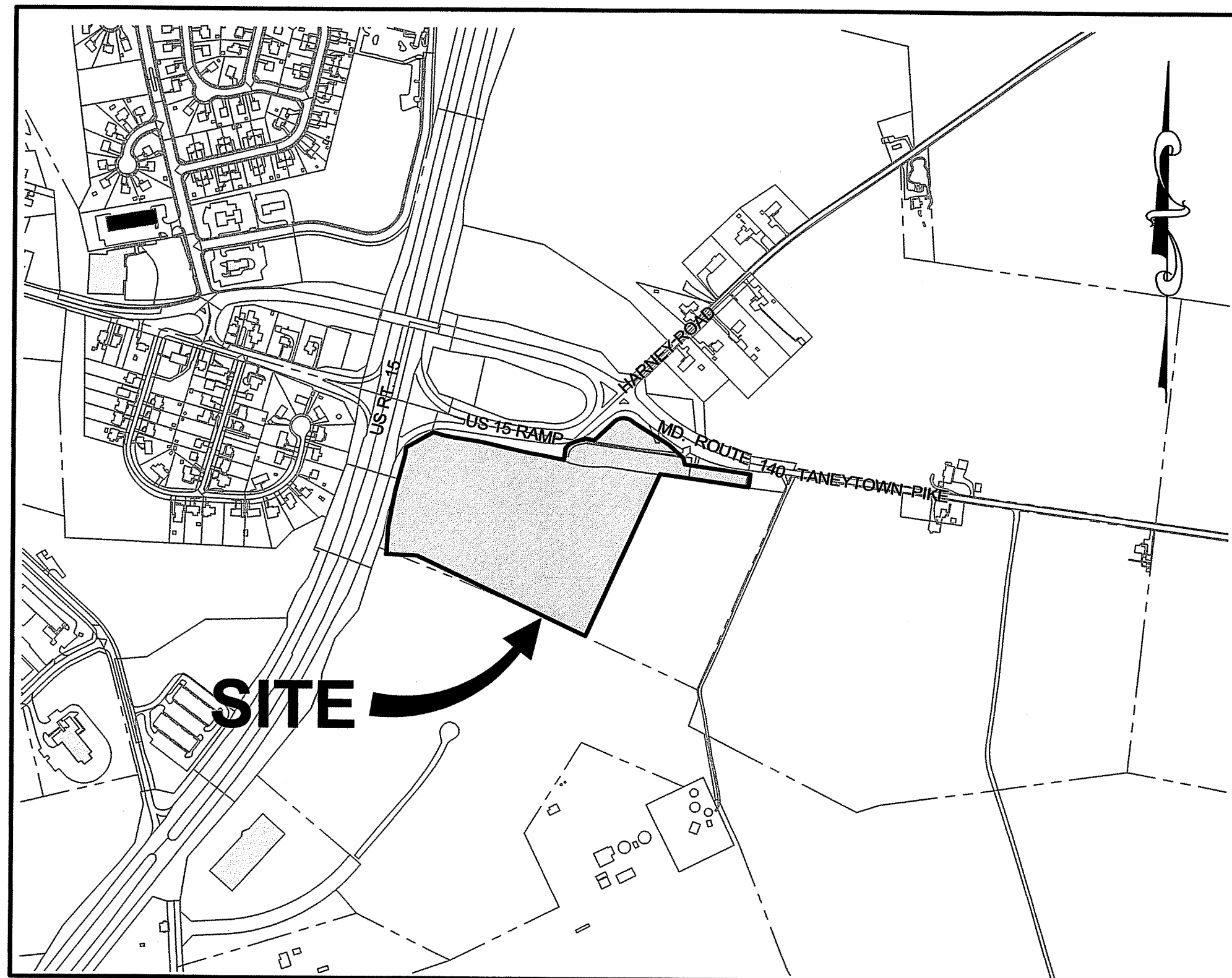
24. IF ROAD OR ANY PART OF ROAD IS TO BE CLOSED, A DETAILED DETOUR AND/OR CLOSURE PLAN SHALL BE SUBMITTED TO THE TOWN FOR APPROVAL.

25. IF TEMPORARY PARKING, INGRESS/EGRESS OR PEDESTRIAN RESTRICTIONS SHALL BE REQUIRED DURING PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING SIGNS AND NOTIFYING ALL AFFECTED RESIDENTS/BUSINESSES AT LEAST 1 DAY IN ADVANCE. CONTRACTOR IS RESPONSIBLE FOR CONTACTING APPROPRIATE TOWN AUTHORITY BEFORE ANY OF THE ABOVE MODIFICATIONS ARE ENACTED.

26. ALL CONTRACTORS MUST COMPLY WITH ALL APPLICABLE CITY, STATE AND FEDERAL LABOR AND INDUSTRY REGULATIONS TO INCLUDE CITY SAFETY & HEALTH POLICY, MOSHA, OSHA, ETC.

27. IN ACCORDANCE WITH CODE OF MARYLAND (COMAR) 26.04.01.33, MATERIALS USED IN THE MANUFACTURE OF PUBLIC WATER TREATMENT COMPONENTS, APPURTENANCES, PIPE, STORAGE TANK, VALVE, FIXTURE, OR OTHER MATERIALS WHICH COME IN CONTACT WITH WATER INTENDED FOR USE IN PUBLIC WATER SUPPLY MUST MEET THE APPLICABLE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)/NATIONAL SANITATION FOUNDATION (NSF 61-G AND NSF 61-372) STANDARDS FOR DIRECT OR INDIRECT DRINKING WATER ADDITIVES. THIS APPLIES TO ANY PRODUCT WHICH COMES IN CONTACT WITH WATER INTENDED FOR USE IN PUBLIC WATER SUPPLY.

28. THESE DRAWINGS REPRESENT THE FINISHED PROJECT. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR, AND HAVE CONTROL OVER, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AS WELL AS ANY ASSOCIATED SAFETY PRECAUTIONS AND PROGRAMS, AND ALL INCIDENTAL OR TEMPORARY DEVICES REQUIRED TO CONSTRUCT THE PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL PORTIONS OF THE WORK.



VICINITY MAP

TAX MAP 009 PARCEL 008

TAX ID. 05-158680

SCALE: 1" = 500'

FIRE & RESCUE NOTES:

- FIRE DEPARTMENT ACCESS ROADS SHALL BE ACCESSIBLE DURING ALL TYPES OF WEATHER AND AT ALL TIMES.
- FIRE DEPARTMENT ACCESS ROADS SHALL BE CAPABLE OF SUPPORTING FIRE APPARATUS AT ALL TIMES AND BE A MINIMUM OF 16 FEET WIDE.
- FIRE DEPARTMENT ACCESS SHALL BE PROVIDED AND MAINTAINED TO ALL STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION OR DEMOLITION.
- THE ACCESS ROADWAYS SHALL PROVIDE A MINIMUM TURNING RADIUS OF 40 TO 45 FEET.
- STREETS AND FIRE LINES/WATER MAINS ARE REQUIRED TO BE CONSTRUCTED AND IN SERVICE PRIOR TO THE START OF ANY VERTICAL BUILDING CONSTRUCTION.
- FIRE LANES/STREETS PROVIDING ACCESS TO THE BUILDINGS WHILE UNDER CONSTRUCTION SHALL BE PROVIDED PRIOR TO THE START OF VERTICAL CONSTRUCTION OF THE BUILDINGS (NFPA 1, SECTION 16.1.4).
- ON-SITE FIRE HYDRANTS SHALL BE INSTALLED AND IN SERVICE PRIOR TO THE START OF VERTICAL CONSTRUCTION OF THE BUILDINGS (NFPA 1, 16.4.3.1.3).

PREPARED BY

FOX & ASSOCIATES, INC.

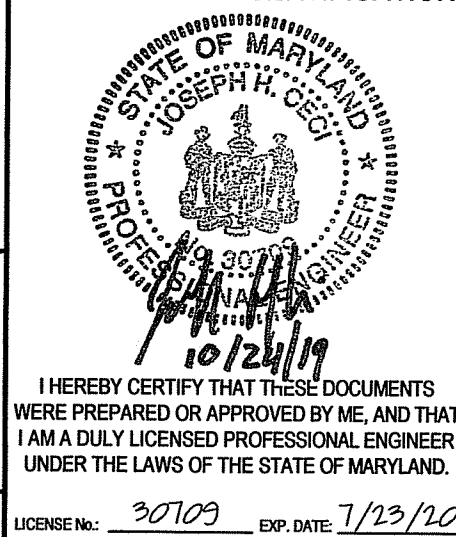
ENGINEERS • SURVEYORS • PLANNERS

981 MT. AETNA ROAD
HAGERSTOWN, MD. 21740
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www.foxassociatesinc.com Email: FOX@FOXASSOCIATESINC.COM

82 WORMANS MILL COURT
SUITE 102
FREDERICK, MD. 21701
PHONE: (301)695-0880
FAX: (301)293-6009



PROFESSIONAL CERTIFICATION



DISTURBED AREA QUANTITY

THE TOTAL AREA TO BE DISTURBED SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE APPROXIMATELY 222,581 SQ. FT. AND THE TOTAL AMOUNT OF EXCAVATION AND FILL AS SHOWN ON THESE PLANS HAS BEEN COMPUTED TO BE APPROXIMATELY 25,534 CU. YDS. * OF EXCAVATION AND APPROXIMATELY 52,456 CU. YDS. * OF FILL.

JOSEPH H. CEGI, P.E. REG. NO. 30709 DATE 10/24/19

* THESE QUANTITIES ARE APPROXIMATE AND SHALL NOT BE USED BY THE CONTRACTOR FOR BIDDING PURPOSES.

ENGINEER DESIGN CERTIFICATION

I HEREBY CERTIFY THIS PLAN FOR SOIL EROSION AND SEDIMENT CONTROL HAS BEEN DESIGNED IN ACCORDANCE WITH LOCAL ORDINANCES, COMAR 26.17.01, 26.17.02 AND THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

JOSEPH H. CEGI REG. NO. 30709 DATE 10/24/19

SHEET INDEX

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4	STATE HIGHWAY RTE 140 IMPROVEMENTS
5	PAVING PLAN
6	PAVING PROFILES
7	PAVING PLAN
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32	LANDSCAPE PLAN, NOTES AND DETAILS
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35	SEDIMENT & EROSION CONTROL NOTES AND DETAILS

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER DATE

FREDERICK SOIL CONSERVATION DISTRICT SOIL EROSION AND SEDIMENT CONTROL PLAN APPROVAL

By: _____
Date: _____
SCD APPROVAL FOR SEDIMENT AND EROSION CONTROL IS CONTINGENT UPON ISSUANCE OF ALL APPLICABLE REGULATORY PERMITS.
(PLAN IS VALID FOR TWO YEARS FROM DATE OF APPROVAL)

OWNERS / DEVELOPERS CERTIFICATION

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

OWNER / DEVELOPER DATE 10/24/19

FREDERICK COUNTY, MARYLAND DEVELOPMENT REVIEW ENGINEERING

APPROVED:	Development Review Chief		Date	
APPROVED:	Stormwater Management		Date	
Reviewed in accordance with local County requirements, Frederick County assumes no liability for design and/or construction. Approval is valid for two (2) years after last date shown above. The project must be under construction before the approval expiration to be considered active. Otherwise, resubmittal of plans, including applicable fees, must be made to Development Review for resubapproval. Fees for resubmittal cannot be waived.				
REV. #	DATE	REVISION DESCRIPTION <small>*ALL IN THESE BLOCKS FOR REVISIONS ONLY</small>	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

CDD - Dev. Review

File:
A / P #:
Due Date:

PROJECT NO. 18-31407
DRAWING NO. D - 3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 1 OF 35

H:\CARLSON PROJECTS\US\3107 RUTTERS - EMMITSBURG\MP PLAN\MP-01.dwg, 10/24/2019 12:19:10 PM, JETTER, JH



OWNER : SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER : M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404

FOX
& ASSOCIATES INC.
Est. 1966

FOX & ASSOCIATES, INC.
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981 MT. AETNA ROAD
SUITE 101
HAGERSTOWN, MD 21740
PHONE: (301) 733-8603
or (301) 416-7250
FAX: (301) 733-1853
WWW.FOXASSOCIATESINC.COM
E-MAIL: FOX@FOXASSOCIATESINC.COM

DRAWN BY
REVISION
DATE

EXISTING CONDITIONS AND DEMOLITION PLAN
RUTTER'S STORE # 84
SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 60'
PROFESSIONAL CERTIFICATION

STATE OF MARYLAND
JOSEPH H. GEDD
PROFESSIONAL ENGINEER
10/24/19
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. 20109 EXP. DATE 1/23/20

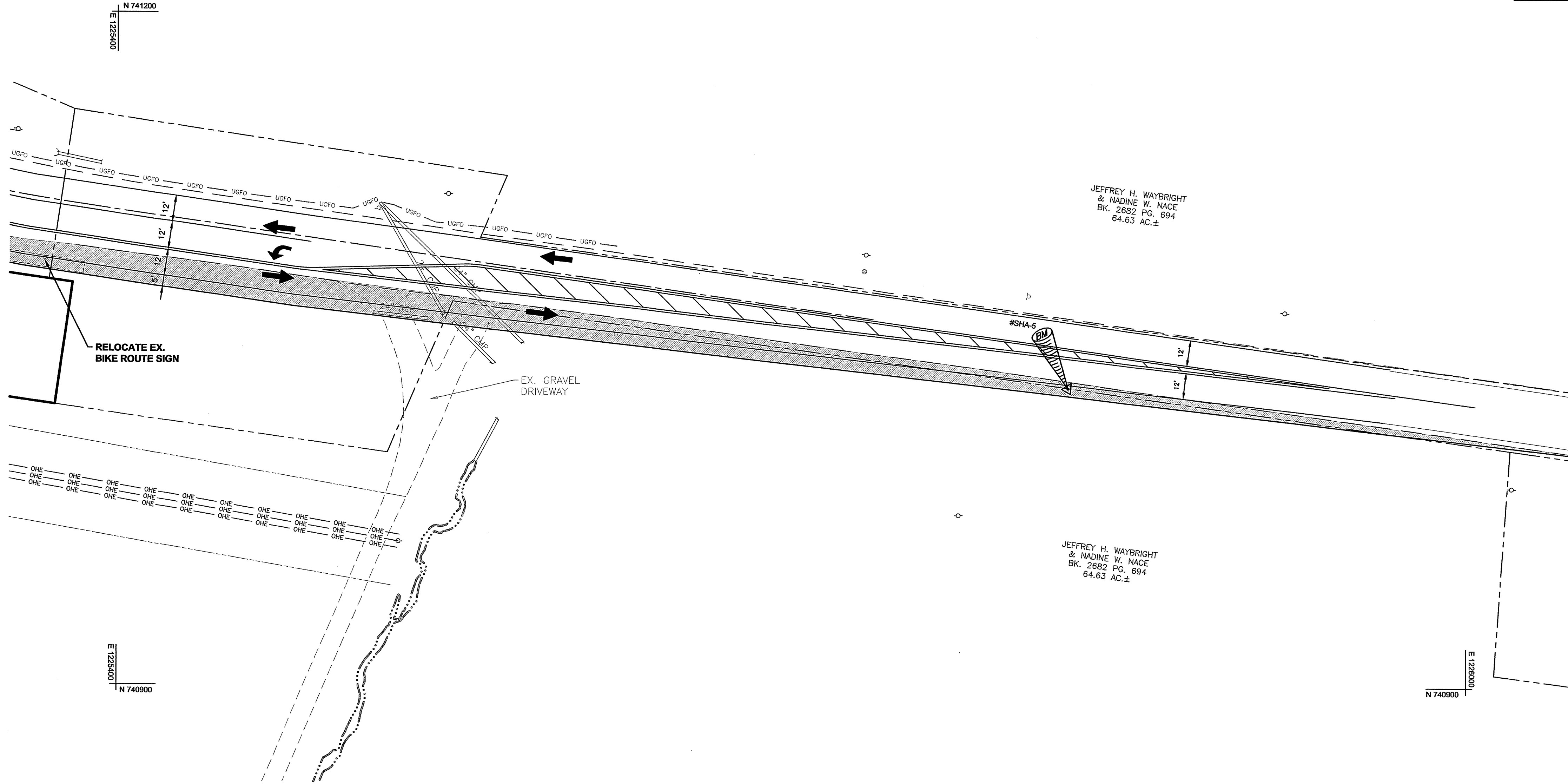
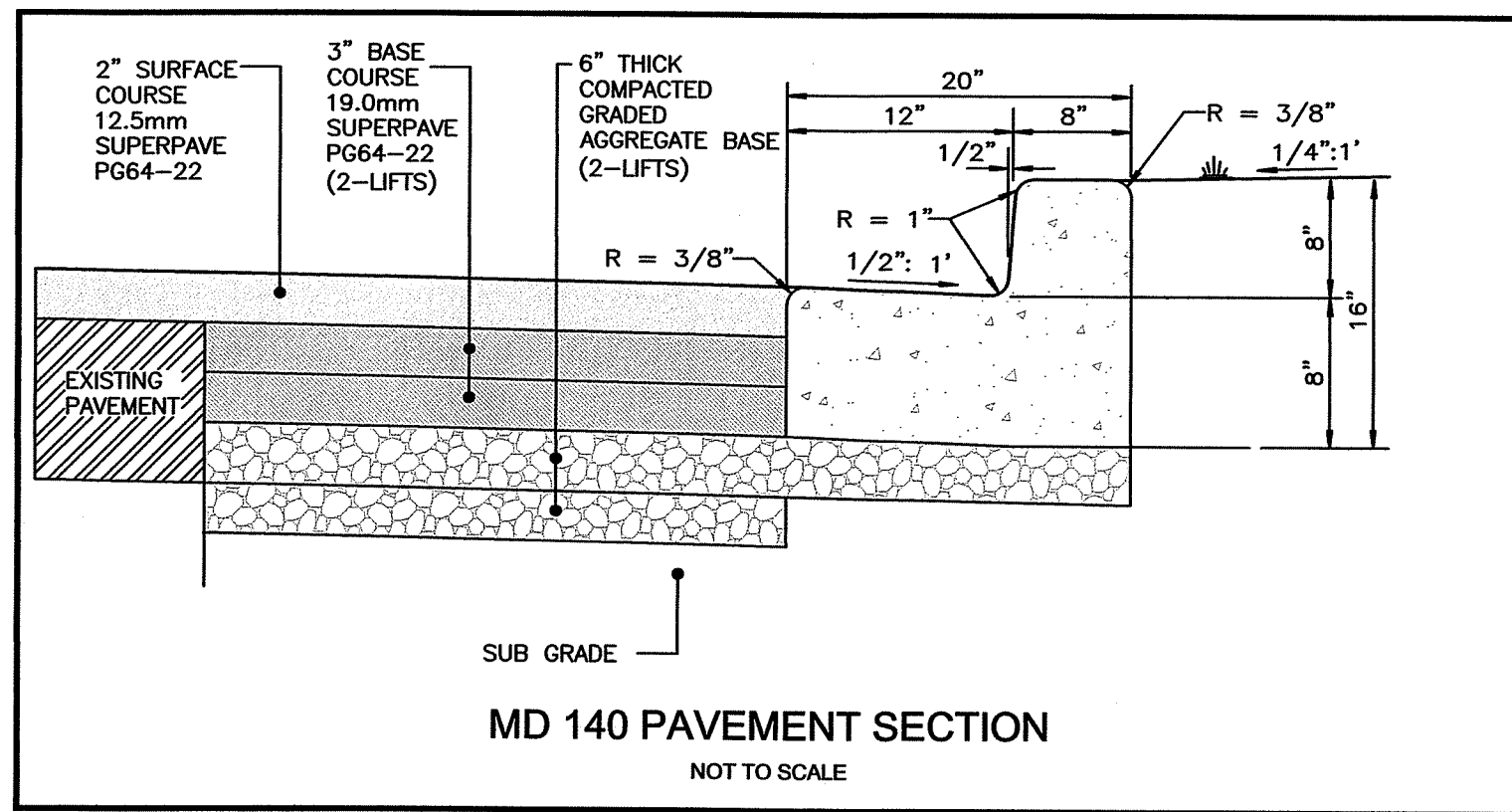
PROJECT NO. 18-31407
DRAWING NO. D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 2 OF 35

H:\CARLSON PROJECTS\18\31407 RUTTERS - EMMITSBURG\INP PLAN\INP-01.dwg, 10/24/2019 12:19:35 PM, JETTER, JI

OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404



APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER _____ DATE _____

STATE HIGHWAY RTE 140 IMPROVEMENTS
RUTTER'S STORE # 84
SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 30'

PROFESSIONAL CERTIFICATION

STATE OF MARYLAND
JOSEPH H. GORD
10/24/19
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. 20109 EXP. DATE 7/23/20

PROJECT NO. 18-31407
DRAWING NO. D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 4 OF 35

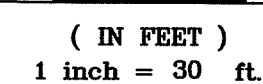
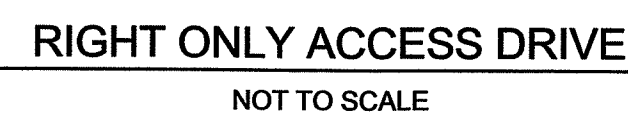
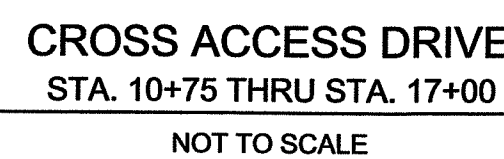
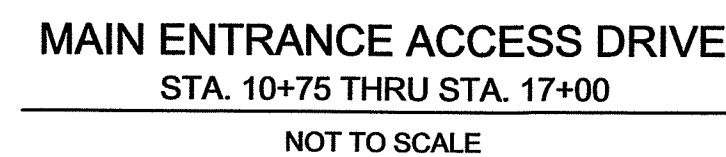
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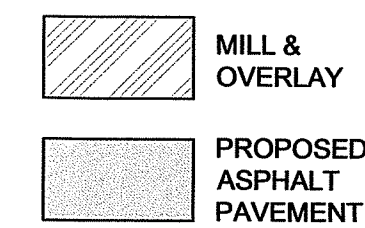
DRAWN BY

REVISION

DATE



LEGEND



CURVE	RADIUS	LENGTH	DELTA	TANGENT	BEARING	CHORD
C1	120.00'	161.44'	77°05'05"	95.59'	N55°17'35"E	149.54'
C2	120.00'	43.01'	20°32'07"	21.74'	S75°53'54"E	42.78'
C3	518.00'	110.34'	12°12'16"	55.38'	S73°04'46"E	110.13'

BENCHMARKS

BM #SHA-1
SHA REBAR & CAP
N 741158.3700
E 1225105.4700
ELEV = 400.38

BM #SHA-5
SHA REBAR & CAP
N 741033.1600
E 1225822.6700
ELEV = 411.90

BM #MB-302-1
SHA REBAR & CAP
N 741213.3700
E 1224608.7500
ELEV = 407.35



OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404

FOX
& ASSOCIATES INC.
 Est. 1966

FOX & ASSOCIATES, INC.

ENGINEERS • SURVEYORS • PLANNERS

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SUITE "G"
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PHONE: (301)733-9503
or (301)416-7250
FAX: (301)733-1853

DRAWN BY

REVISION

DATE _____

PAVING PLAN

RUTTER'S STORE # 84

SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 30'

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.: 30709 EXP. DATE: 7/23/20

PROJECT NO.	18-31407
-------------	----------

DRAWING NO. D - 3480

DATE: OCTOBER 2019

DRAWN BY: JWE

CHECKED BY: JHC

SHEET 5 OF 35

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER _____ DATE _____

SHEET 5 OF 35

PAVING PROFILES **RUTTER'S STORE # 84**

SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: AS SHOWN

PROFESSIONAL CERTIFICATION

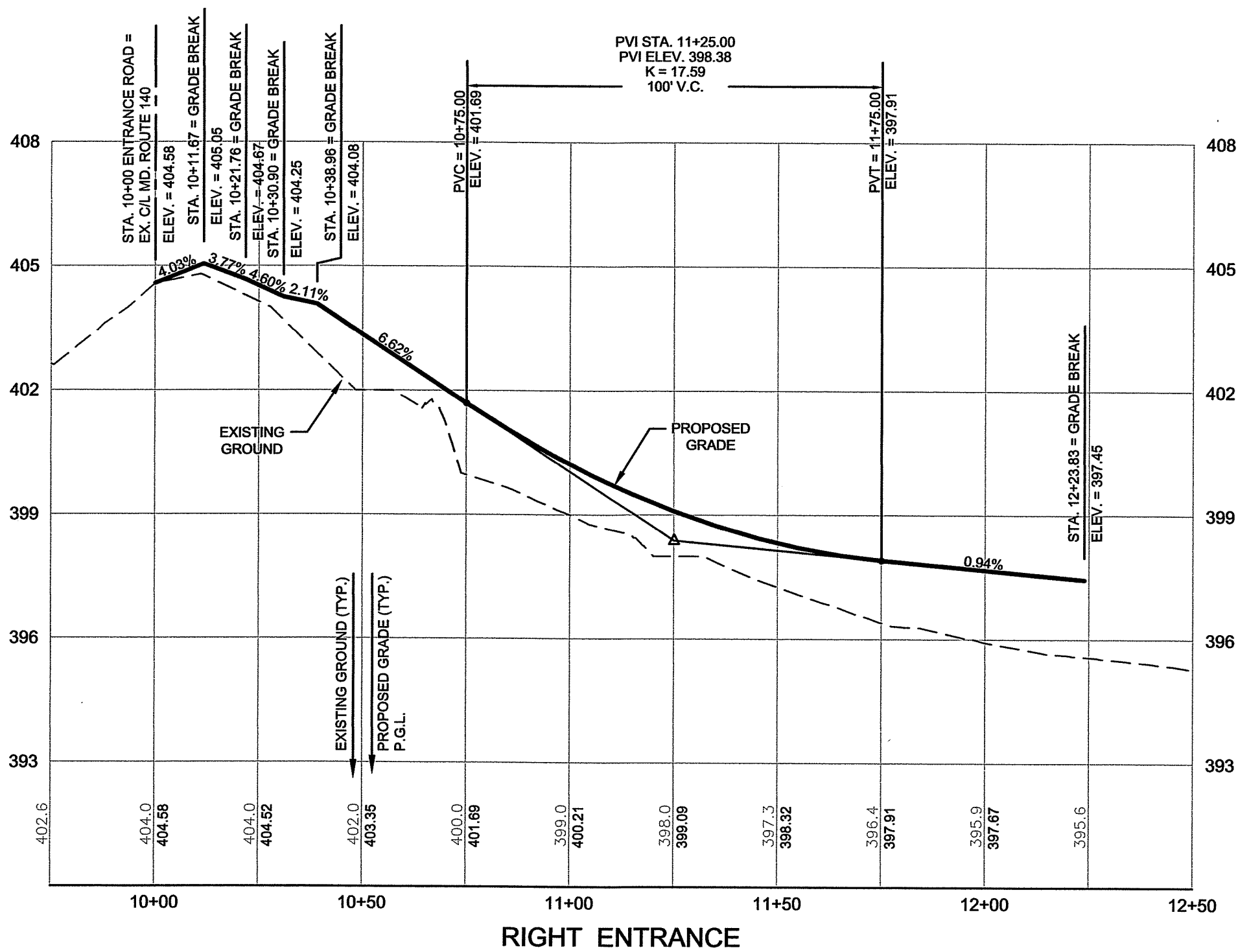
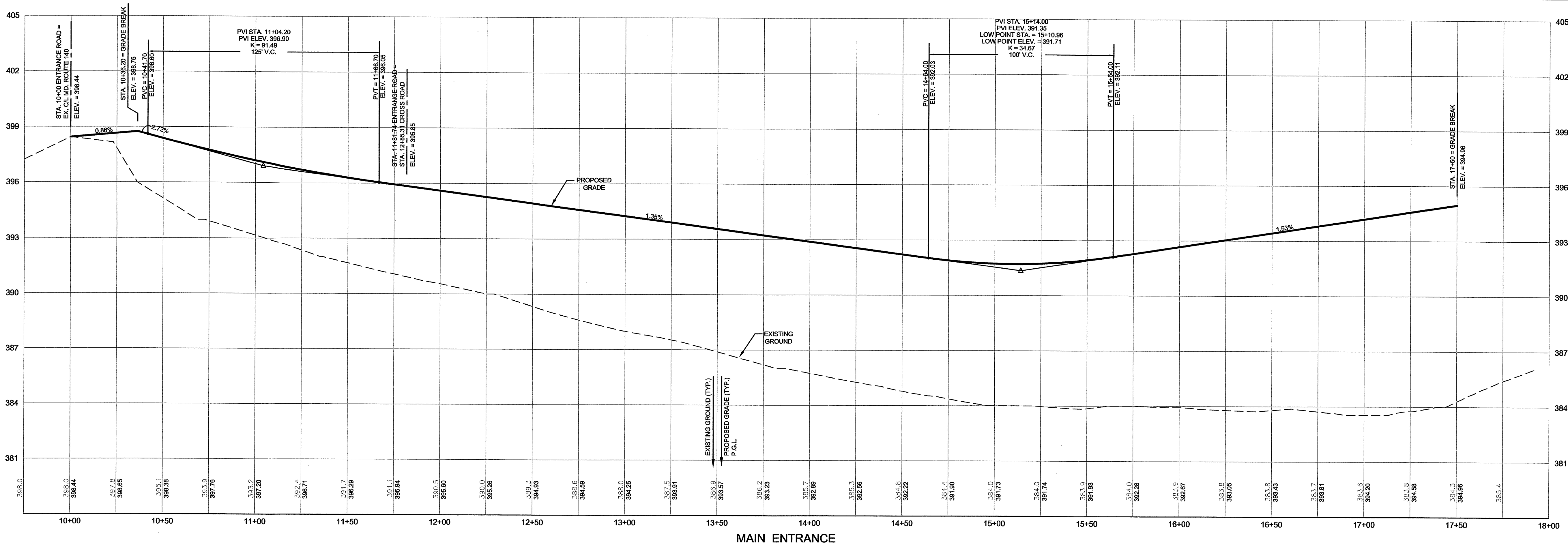


I HEREBY CERTIFY THAT THESE DOCUMENTS
WERE PREPARED OR APPROVED BY ME, AND THAT
I AM A DULY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 20709 EXP. DATE 7/23/20

PROJECT NO. 18-31407
DRAWING NO. D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 6 OF 35

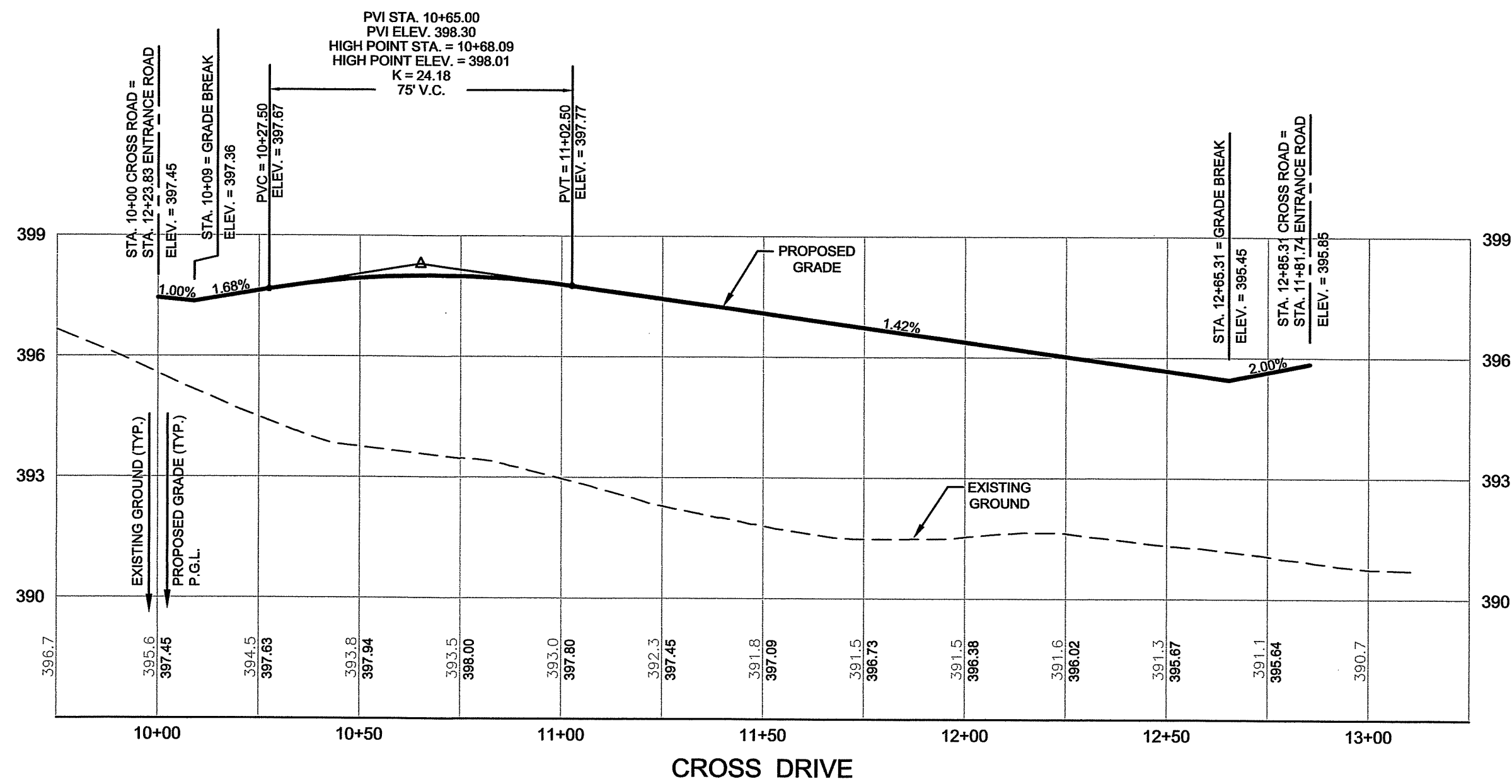


PROFILE

SCALE: HORIZ. - 1" = 30'
VERT. - 1" = 3'

NOTE:

- ROADWAY EMBANKMENT STRUCTURAL FILL SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY PER ASSHTO T-100 METHOD "C".
- UTILITY TRENCH STRUCTURAL FILL SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY ASSHTO T-99 METHOD "A".



OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER :
M&O REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER DATE

DATE	REVISION	DRAWN BY

PAVING PLAN
RUTTER'S STORE # 84
SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 30'

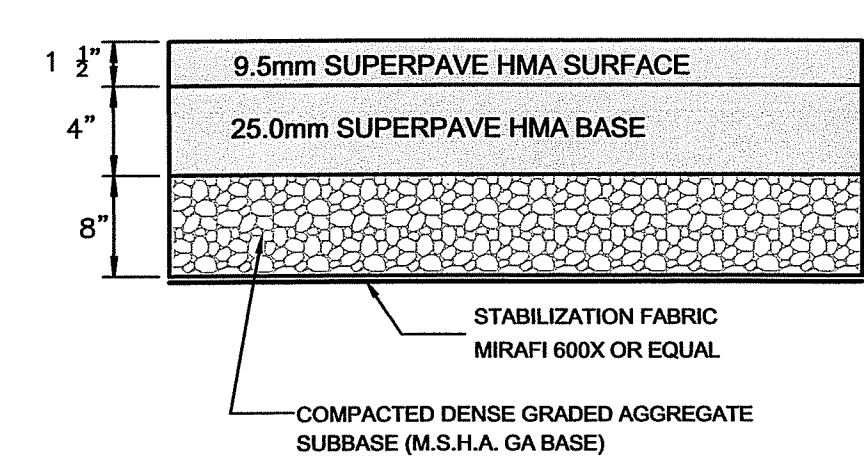
PROFESSIONAL CERTIFICATION



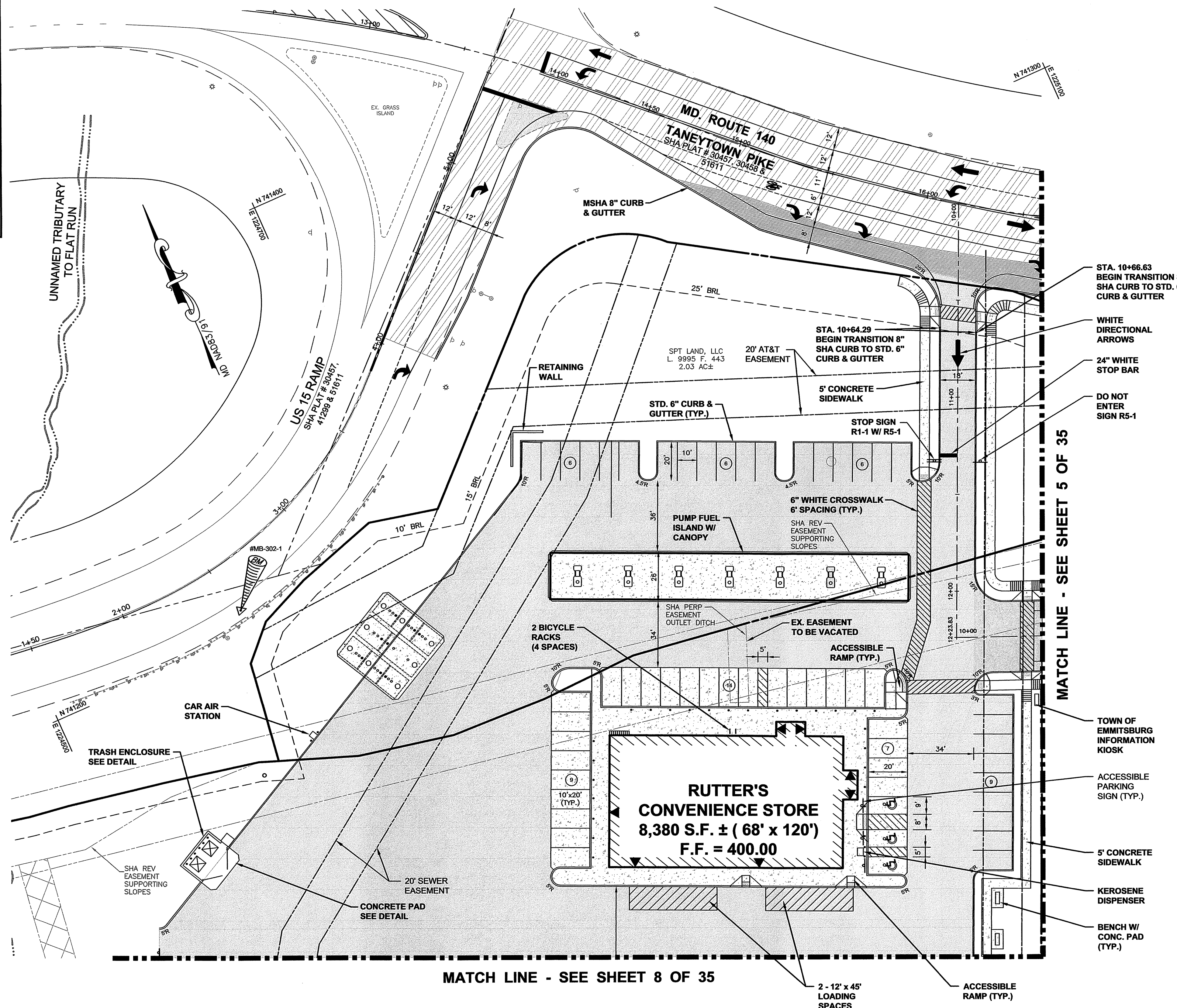
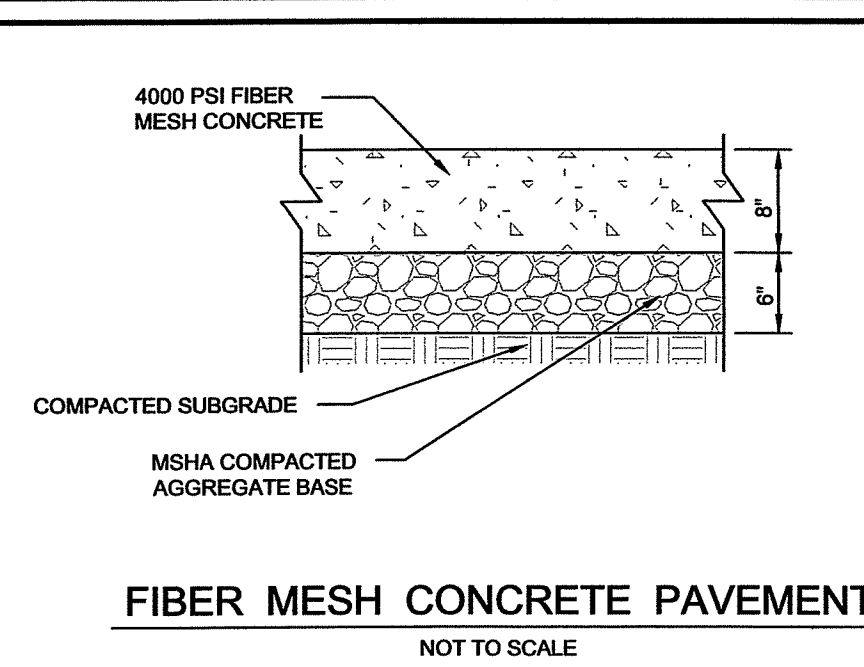
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UNDER THE LAWS OF THE STATE OF MARYLAND.

PROJECT NO. 18-31407
DRAWING NO. D - 3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 7 OF 35

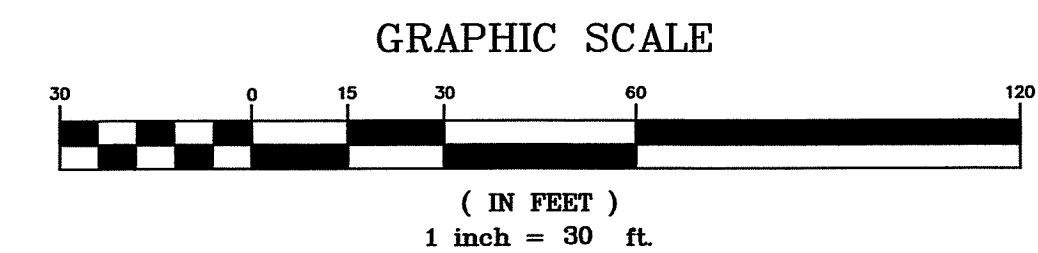


SUBGRADE PREPARATION
A. FILL AREAS TO BE PAVED SHALL HAVE SOIL PLACED IN 8 INCH LIFTS AND COMPACTED TO 92 PERCENT OF MAXIMUM DENSITY. THE LAST TWO LIFTS SHALL BE COMPACTED TO 95 PERCENT OF MAXIMUM DENSITY. MAXIMUM DENSITY SHALL BE DETERMINED IN ACCORDANCE WITH AASHTO T-180 METHOD C. CERTIFICATION BY A GEOTECHNICAL ENGINEER LICENSED BY THE STATE OF MARYLAND MAY BE REQUIRED.
B. MAXIMUM DENSITY SHALL BE DETERMINED IN ACCORDANCE WITH ASTM D-698 STANDARD PROCTOR.
C. AFTER THE SUBGRADE IN CUTS AND FILLS HAS BEEN FINALLY SHAPED TO THE SPECIFIC CROSS SECTION, IT SHALL BE CAREFULLY AND THOROUGHLY PROOF ROLLED WITH A 20 TON ROLLER OR EQUIVALENT TO DETERMINE SOFT OR UNSUITABLE AREAS. PRIOR TO PAVING SOFT OR SUITABLE MATERIAL TO THE REQUIREMENTS OF ITEM "A" ABOVE.
D. NO PAVEMENT SHALL BE PLACED ON FROZEN SUBGRADES NOR ON SUBGRADES THAT WILL NOT ADEQUATELY SUPPORT THE PAVEMENT.
E. IF ROCK IS ENCOUNTERED IN THE SUBGRADE, REMOVE AN ADDITIONAL 6 INCHES BELOW SUBGRADE AND BACKFILL WITH SUITABLE MATERIAL TO THE REQUIREMENTS OF ITEM "A".
* NOTE: FINAL PAVEMENT SECTION IS SUBJECT TO MODIFICATION BY THE GEOTECHNICAL ENGINEER



OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404



APPROVED BY:
TOWN OF EMMITSBURG
TOWN MANAGER _____ DATE _____

H:\CARLSON Projects\18-31407 RUTTERS - EMMITSBURG\MP PLAN\MP-01.dwg 10/24/2019 12:20:58 PM JETTER, J

PAVING PLAN
RUTTER'S STORE # 84

SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 30'

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. 20109 EXP. DATE 1/23/20

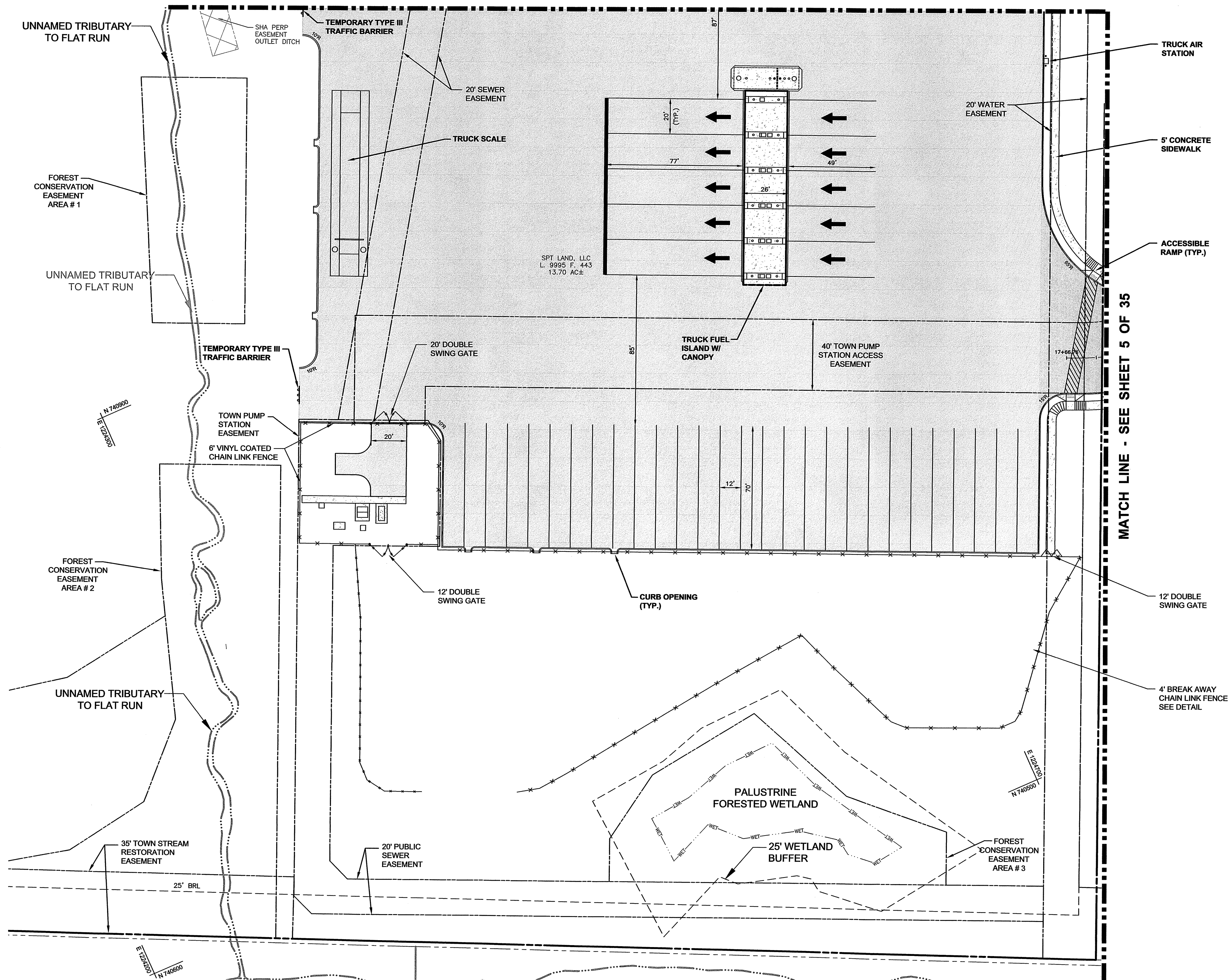
PROJECT NO. 18-31407
DRAWING NO. D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 8 OF 35

MATCH LINE - SEE SHEET 7 OF 35

LEGEND

- MILL & OVERLAY
- PROPOSED ASPHALT PAVEMENT



OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404

GRAPHIC SCALE



(IN FEET)
1 inch = 30 ft.

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER _____ DATE _____

UTILITY PLAN
RUTTER'S STORE # 84

SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 30'

PROFESSIONAL CERTIFICATION

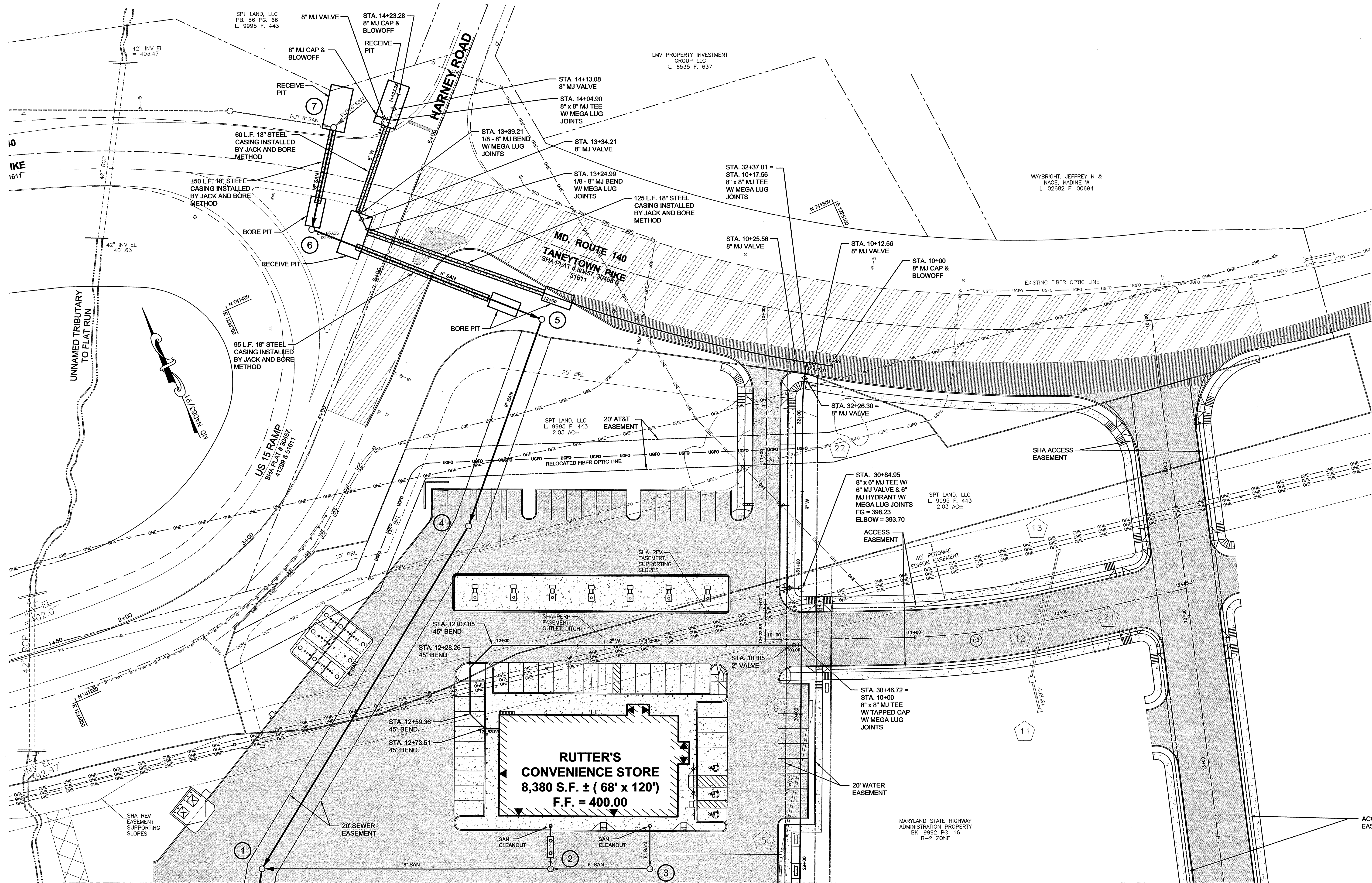


I HEREBY CERTIFY THAT THESE DOCUMENTS
WERE PREPARED OR APPROVED BY ME, AND THAT
I AM A DULY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 10124/19 EXP. DATE: 7/23/20

PROJECT NO. 18-31407
DRAWING NO. D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

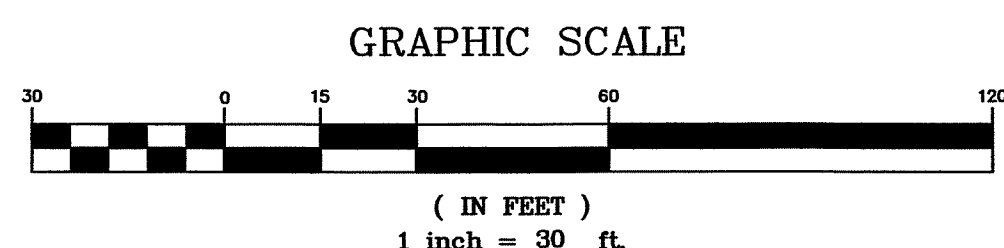
SHEET 9 OF 35



MATCH LINE - SEE SHEET 10 OF 35

OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

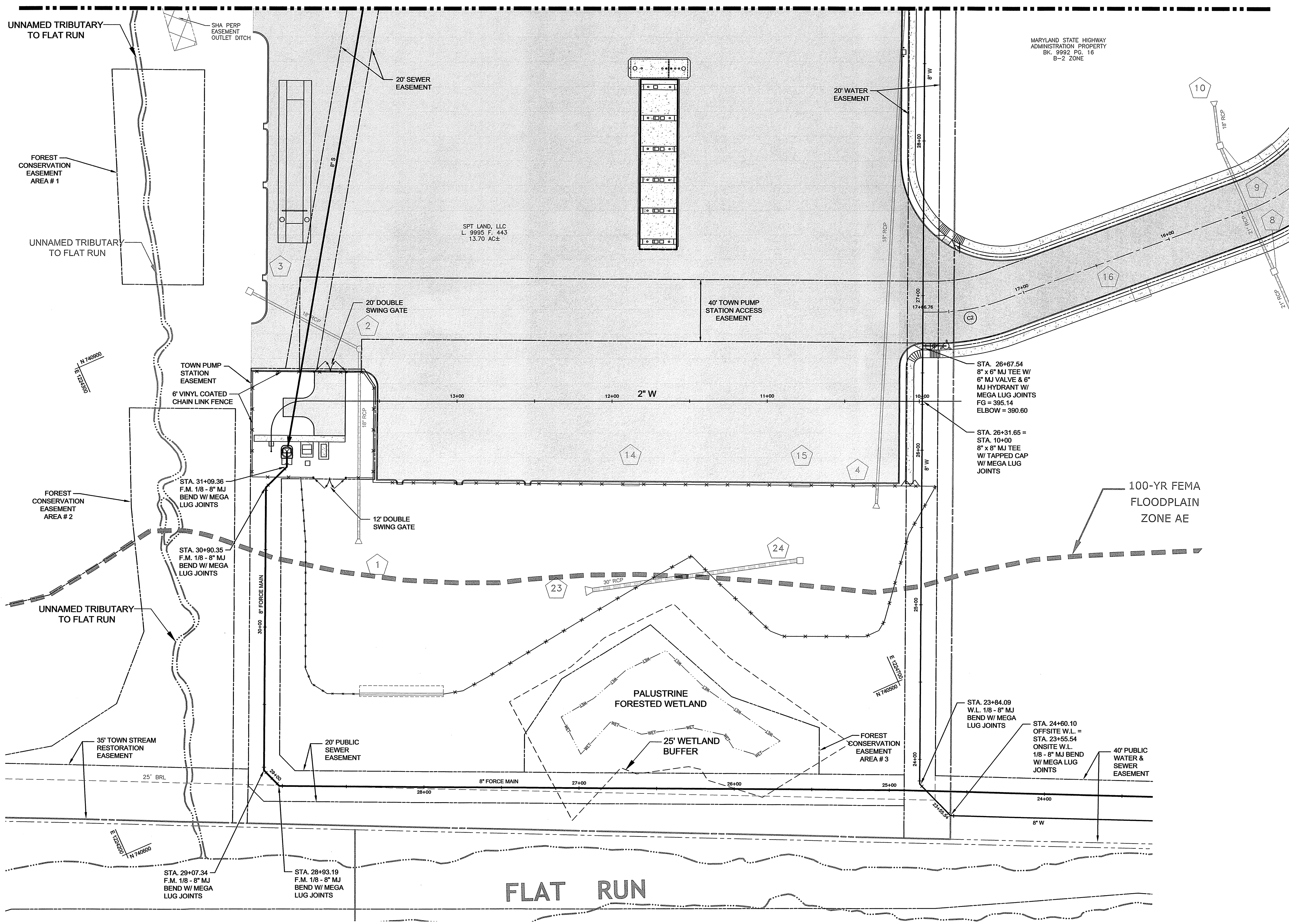
DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404



APPROVED BY:
TOWN OF EMMITSBURG

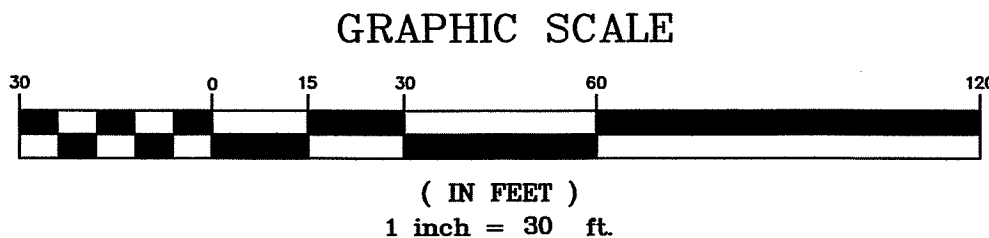
TOWN MANAGER DATE

MATCH LINE - SEE SHEET 9 OF 35



OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404



APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER DATE



FOX & ASSOCIATES, INC.

ENGINEERS • SURVEYORS • PLANNERS

82 WORMANS MILL COURT
SUITE 'G'
FREDERICK, MD. 21701
PHONE: (301) 733-5503
or (301) 416-7260
FAX: (301) 733-1863
WWW.FOXASSOCIATESINC.COM Email: FOX@FOXASSOCIATESINC.COM

DRAWN BY

REVISION

DATE

UTILITY PLAN

RUTTER'S STORE #84

SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 30'

PROFESSIONAL CERTIFICATION



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UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE No. 20109 EXP. DATE 7/23/20

PROJECT NO. 18-31407

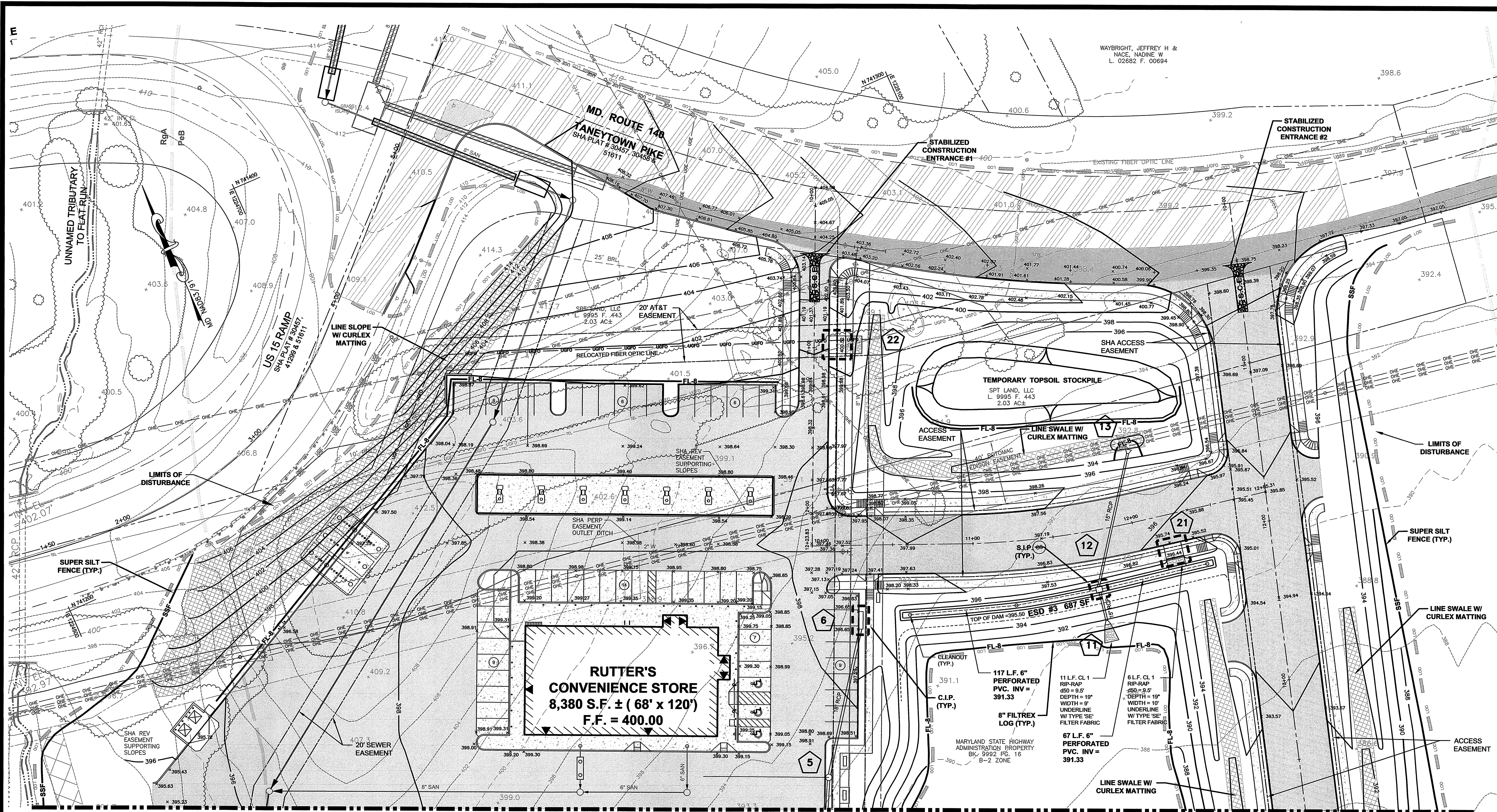
DRAWING NO. D - 3480

DATE: OCTOBER 2019

DRAWN BY: JWE

CHECKED BY: JHC

SHEET 10 OF 35

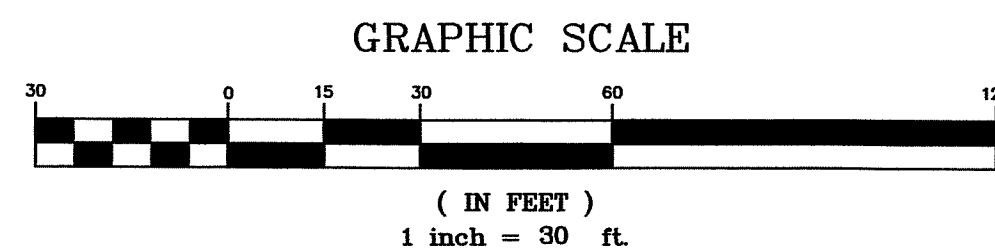


MATCH LINE - SEE SHEET 12 OF 35

OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404

SOIL TYPES	SOIL GROUP
PeB - PENN CHANNERY LOAM, 3 TO 8 PERCENT SLOPES	B
RgA - READINGTON SILT LOAM, 0 TO 3 PERCENT SLOPES	C
RwA - ROWLAND SILT LOAM, 0 TO 3 PERCENT SLOPES	C



APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER DATE

FREDERICK SOIL CONSERVATION DISTRICT
SOIL EROSION AND SEDIMENT CONTROL PLAN APPROVAL

By: _____
Date: _____
SOD APPROVAL FOR SEDIMENT AND EROSION CONTROL IS CONTINGENT UPON ISSUANCE OF ALL APPLICABLE REGULATORY PERMITS.
(PLAN IS VALID FOR TWO YEARS FROM DATE OF APPROVAL)

OWNERS / DEVELOPERS CERTIFICATION

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

OWNER / DEVELOPER DATE

ENGINEER DESIGN CERTIFICATION

I HEREBY CERTIFY THIS PLAN FOR SOIL EROSION AND SEDIMENT CONTROL HAS BEEN DESIGNED IN ACCORDANCE WITH LOCAL ORDINANCES, COMAR 26.17.01, 26.17.02 AND THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

JOSEPH H. CEO REG. NO. 30709 10/24/19 DATE

FREDERICK COUNTY, MARYLAND
DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ Date: _____
Development Review Chief
APPROVED: _____ Date: _____
Stormwater Management

Reviewed in accordance with local County requirements. Frederick County assumes no liability for design and/or construction. Approval is valid for two (2) years after last date shown above. The project must be under construction before the approval expiration to be considered active. Otherwise, resubmission of plans, including applicable fees, must be made to Development Review for reapproval. Fees for resubmission cannot be waived.

REV. #	DATE	REVISION DESCRIPTION	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

FOX & ASSOCIATES, INC.
Est. 1966

ENGINEERS - SURVEYORS - PLANNERS

891 MT. AETNA ROAD
HAGERSTOWN, MD 21740
PHONE: (301) 733-8603
or (301) 416-7250
FAX: (301) 733-8609
WWW.FOXASSOCIATESINC.COM Email: FOX@FOXASSOCIATESINC.COM

DRAWN BY

REVISION

DATE

GRADING PLAN

RUTTER'S STORE #84

SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 30'

PROFESSIONAL CERTIFICATION



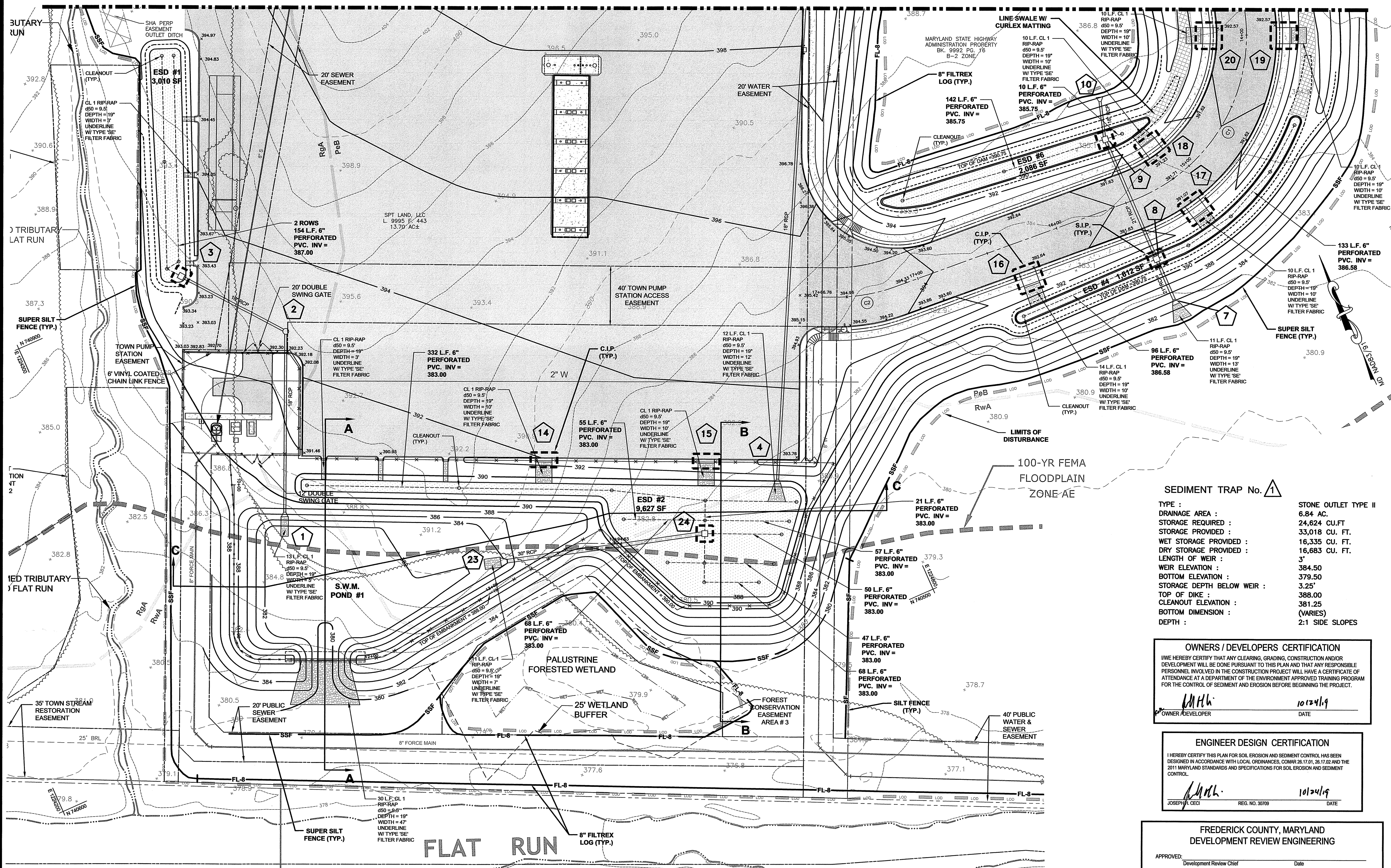
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

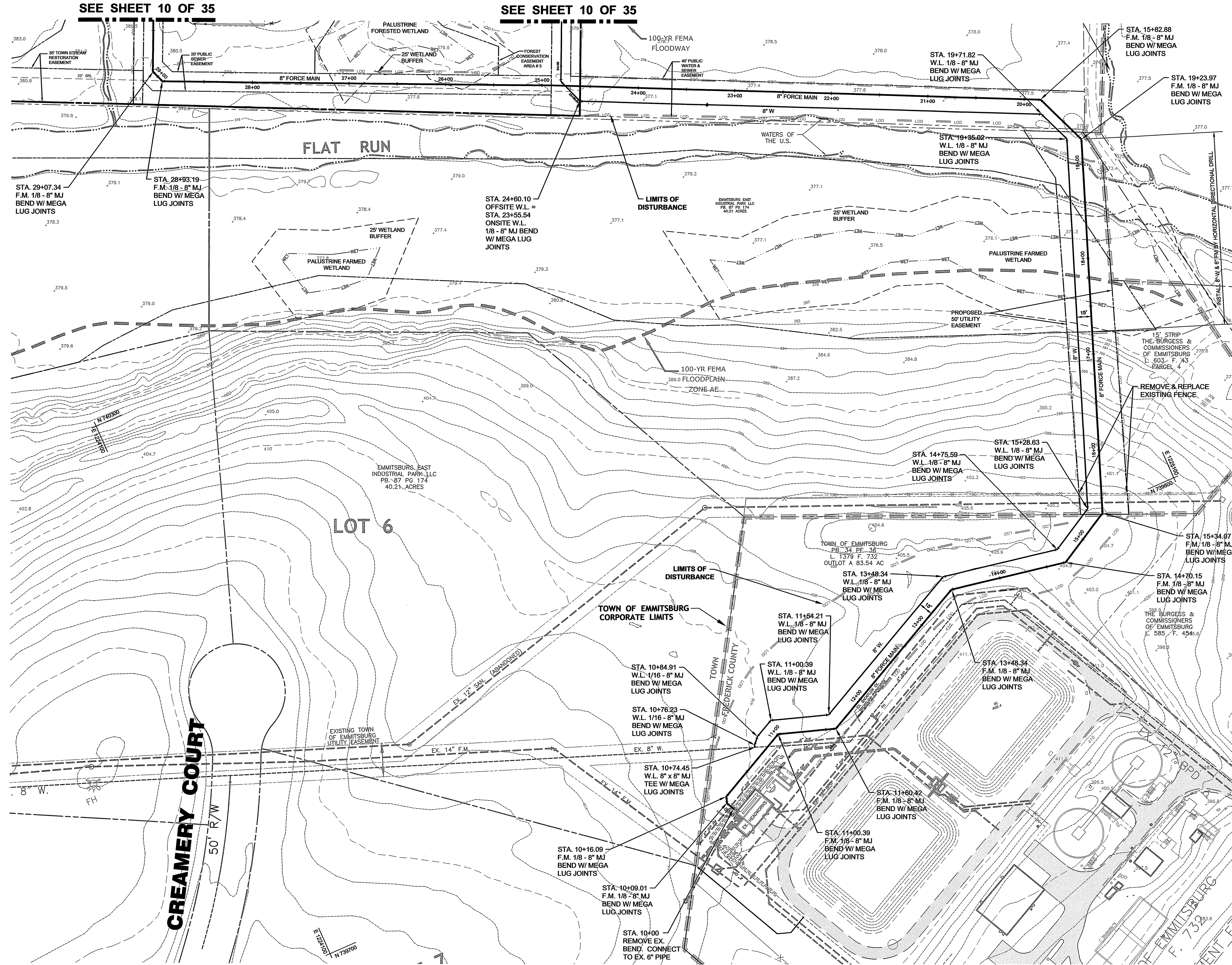
LICENSE NO. 30709 EXP. DATE: 7/13/20

PROJECT NO. 18-31407
DRAWING NO. D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 11 OF 35

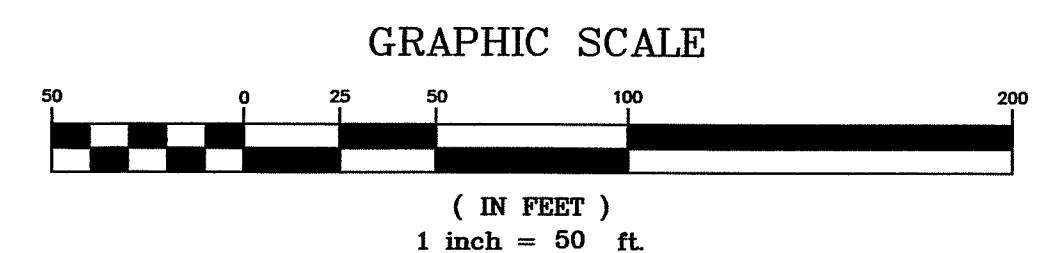

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 I AM A DULY LICENSED PROFESSIONAL ENGINEER
 UNDER THE LAWS OF THE STATE OF MARYLAND.
 LICENSE NO. 30709 EXP. DATE 7/19/20

 PROJECT NO. 18-31407
 DRAWING NO. D-3480
 DATE: OCTOBER 2019
 DRAWN BY: JWE
 CHECKED BY: JHC




OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER :
M&C REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404



APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER _____ DATE _____

FREDERICK SOIL CONSERVATION DISTRICT
SOIL EROSION AND SEDIMENT CONTROL PLAN APPROVAL

By: _____
Date: _____

SOD APPROVAL FOR SEDIMENT AND EROSION CONTROL IS CONTINGENT UPON ISSUANCE OF ALL APPLICABLE REGULATORY PERMITS.
(PLAN IS VALID FOR TWO YEARS FROM DATE OF APPROVAL)

FOX & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS

82 WORMANS MILL COURT
HAGERSTOWN, MD 21740
PHONE: (301) 733-8803
or (301) 416-7250
FAX: (301) 733-1853
WWW.FOXASSOCIATESINC.COM E-MAIL: FOX@FOXASSOCIATESINC.COM

OFFSITE UTILITY PLAN

RUTTER'S STORE #84

SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 50'

PROFESSIONAL CERTIFICATION

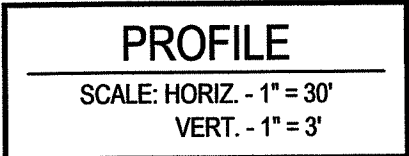
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UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE No. 20709 EXP. DATE 7/23/20

PROJECT NO. 18-31407
DRAWING NO. D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 13 OF 35

H:\CARSON PROJECTS\18\31407 RUTTERS - EMMITSBURG\MP PLAN\MP-01.DWG, 10/24/2019 12:25:40 PM, JETTER, LJ



DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404

TOWN MANAGER _____ DATE _____

WATERLINE PROFILES RUTTER'S STORE #84

SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: AS SHOWN

PROFESSIONAL CERTIFICATION



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I AM A DULY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 30709 EXP. DATE 7/23/20

PROJECT NO. 18-31407
DRAWING NO. D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 15 OF 35

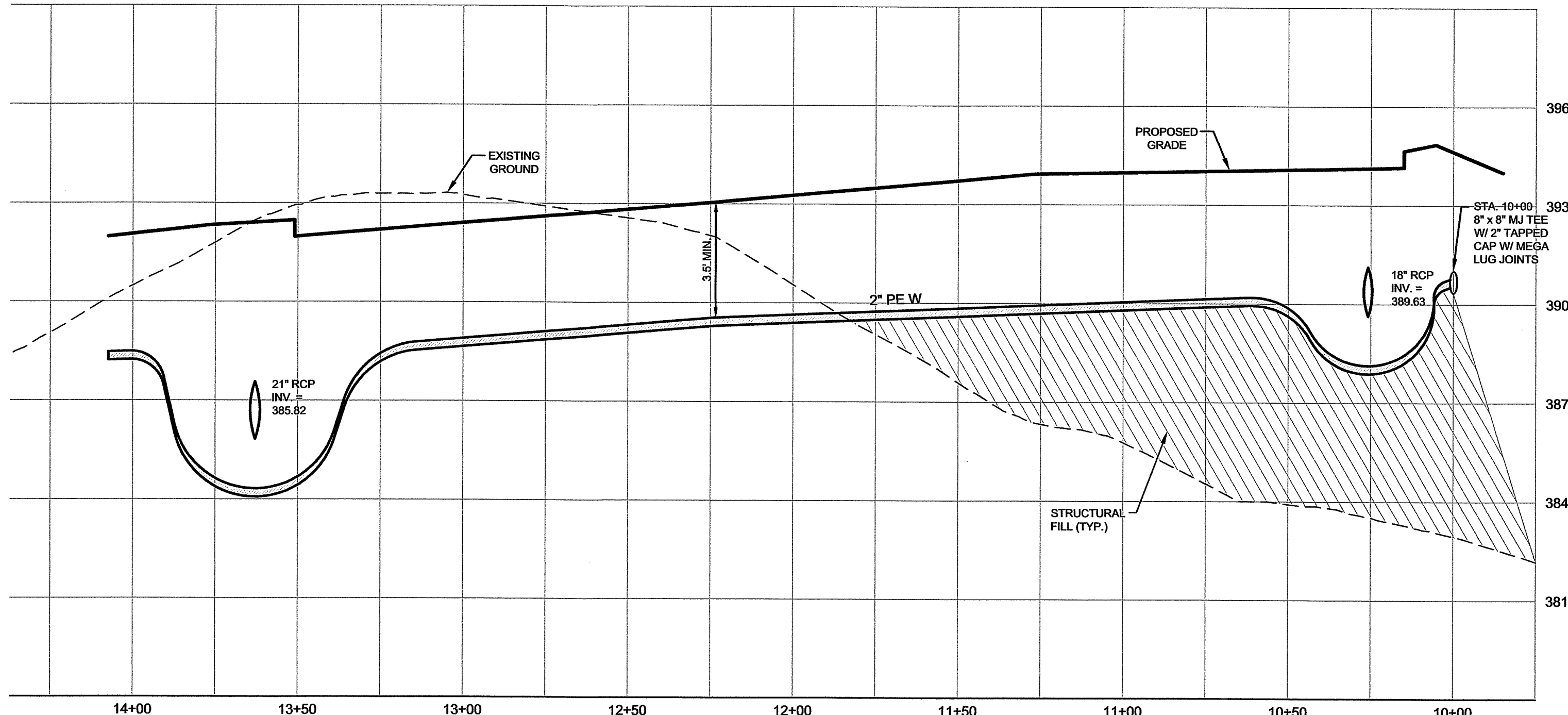
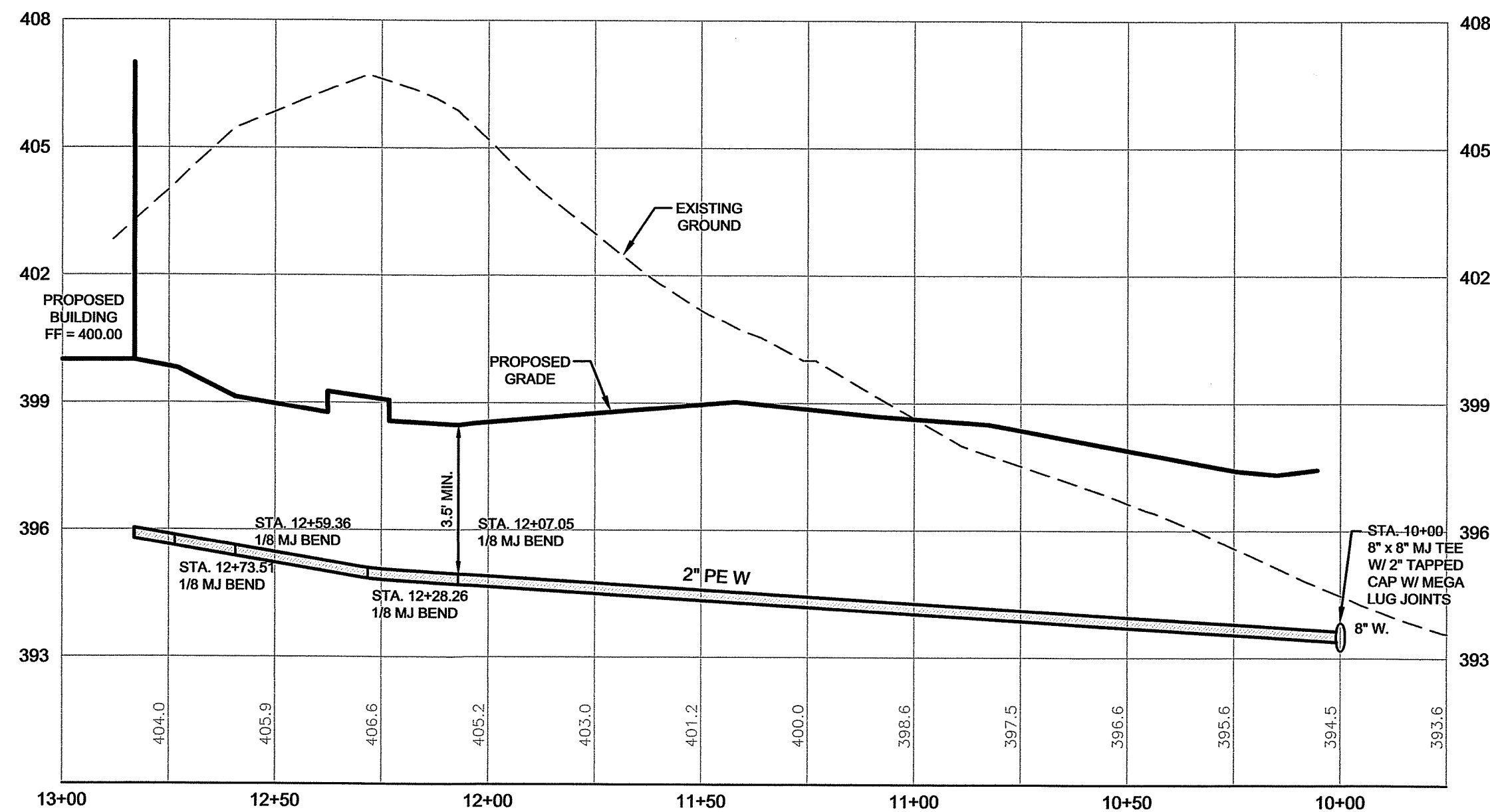
OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404

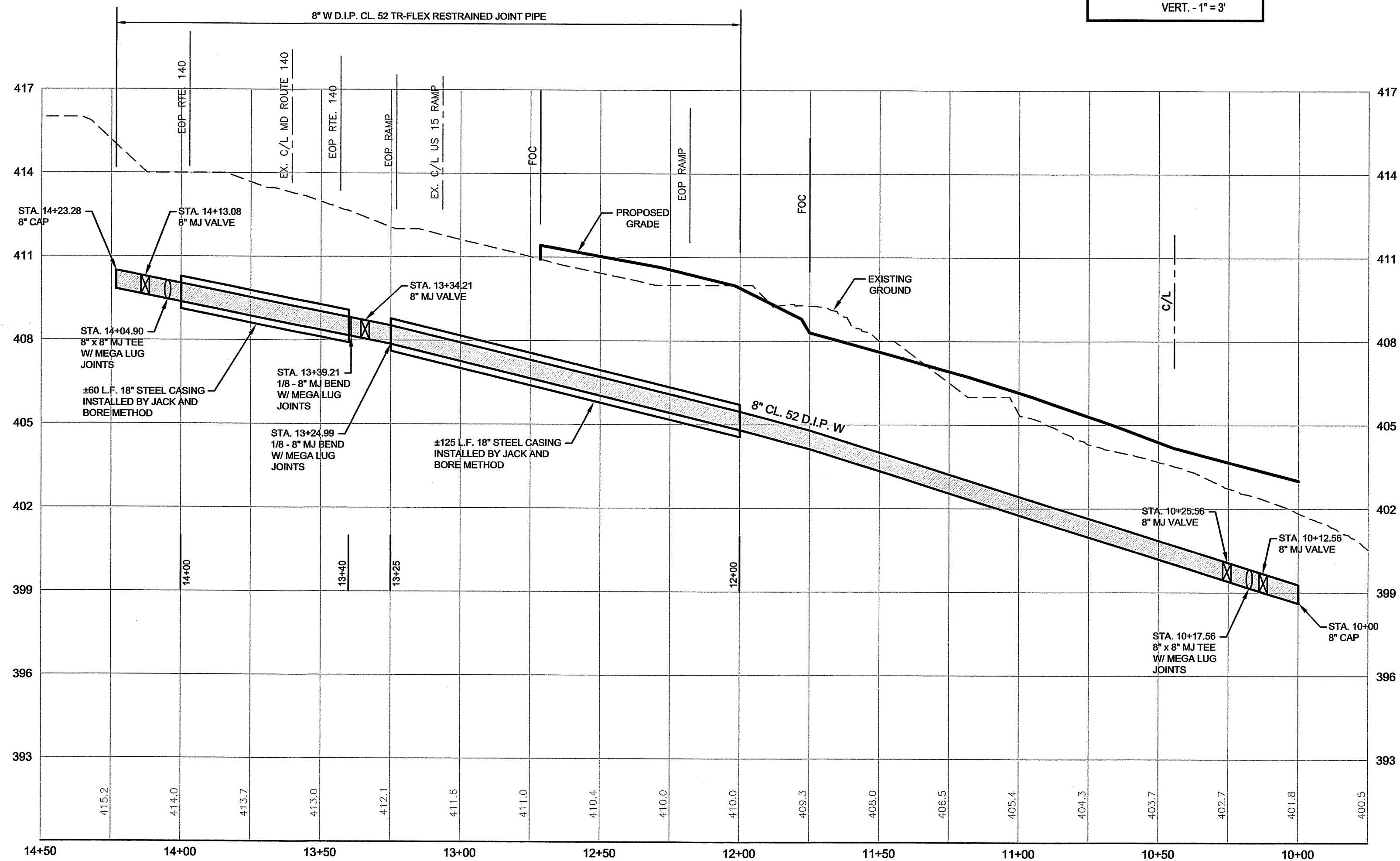
APPROVED BY:
TOWN OF EMMITSBURG

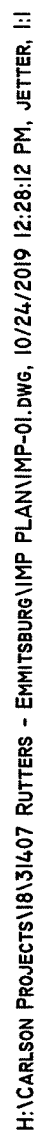
TOWN MANAGER

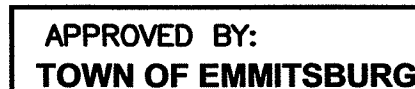
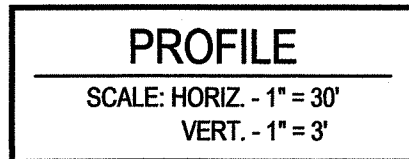
DATE



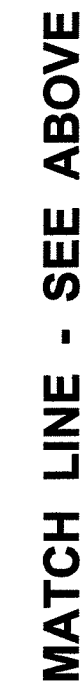
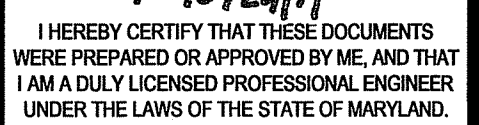
PROFILE
SCALE: HORIZ. - 1" = 30'
VERT. - 1" = 3'







DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404



MANHOLE	NORTHING	EASTING	RIM ELEV.
1	N71047.0078	E1224567.8579	396.37
2	N740968.3730	E1224744.4747	398.79
3	N740941.3050	E1224905.2703	398.79
4	N741201.6105	E1224788.2249	398.59
5	N741308.3636	E1224989.8666	410.00
6	N741426.3218	E1224773.5376	412.40
7	N741483.1027	E1224814.9671	413.00
PUMP STATION	N740795.8082	E1224400.2423	390.67

TOWN MANAGER _____ DATE _____

DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404

H:\CARLSON PROJECTS\18131407 RUTTERS - EMMITSBURG\MP PLAN\MP-01.DWG, 10/24/2019 12:29:30 PM, JETTER, J

PUMP STATION PLAN
RUTTER'S STORE # 84

SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 10'

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.

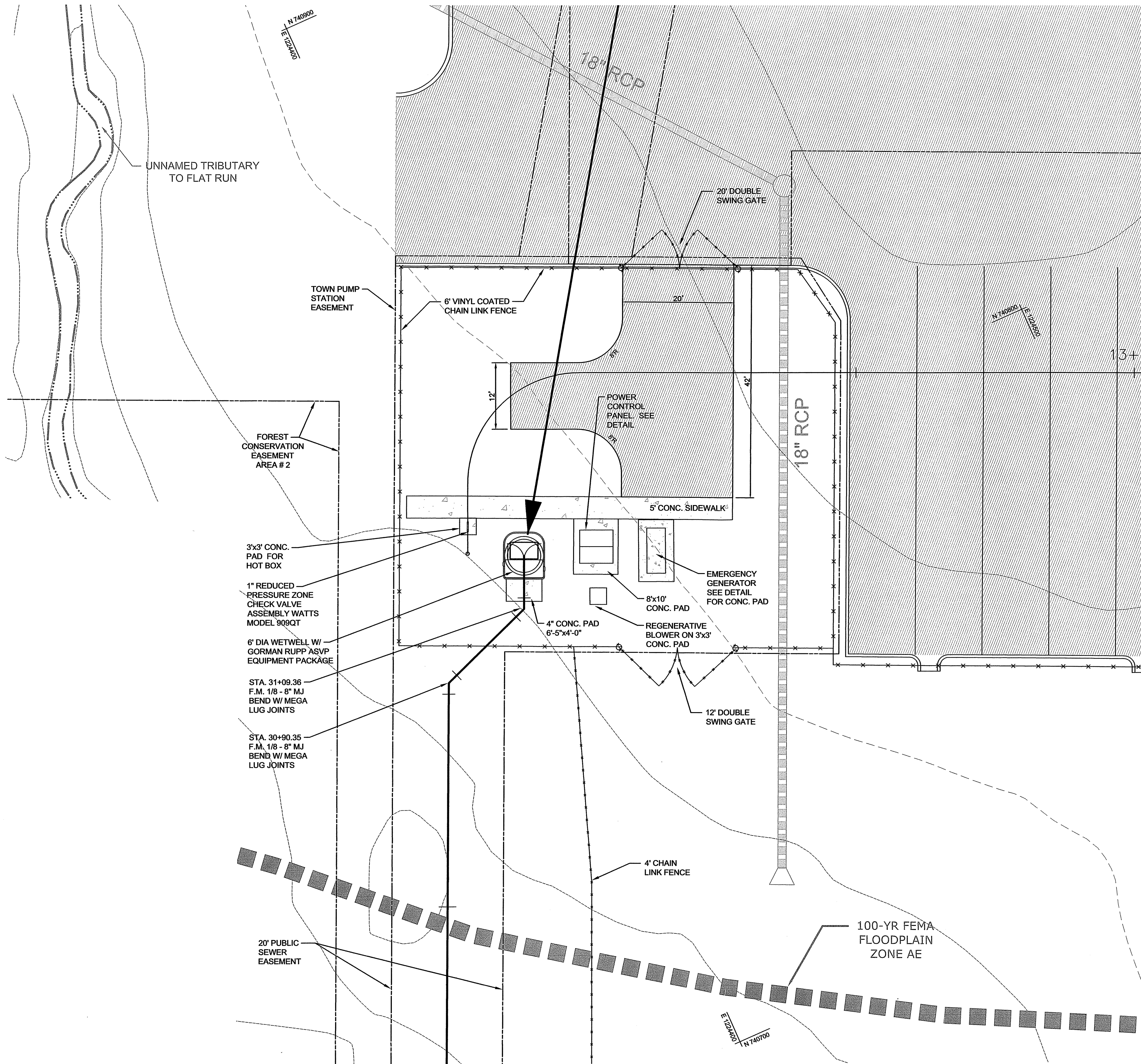
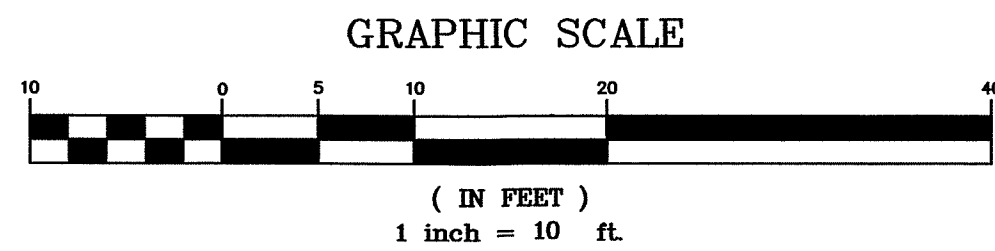
LICENSE NO. 20103 EXP. DATE 7/23/10

PROJECT NO. 18-31407
DRAWING NO. D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 19 OF 35

OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404



APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER

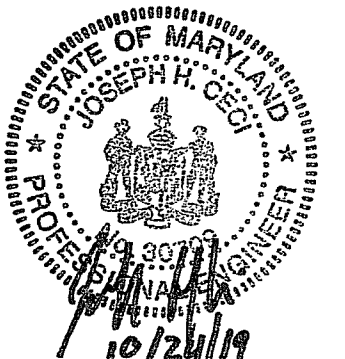
DATE

PUMP STATION NOTES AND DETAILS
RUTTER'S STORE #84

SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: AS SHOWN

PROFESSIONAL CERTIFICATION

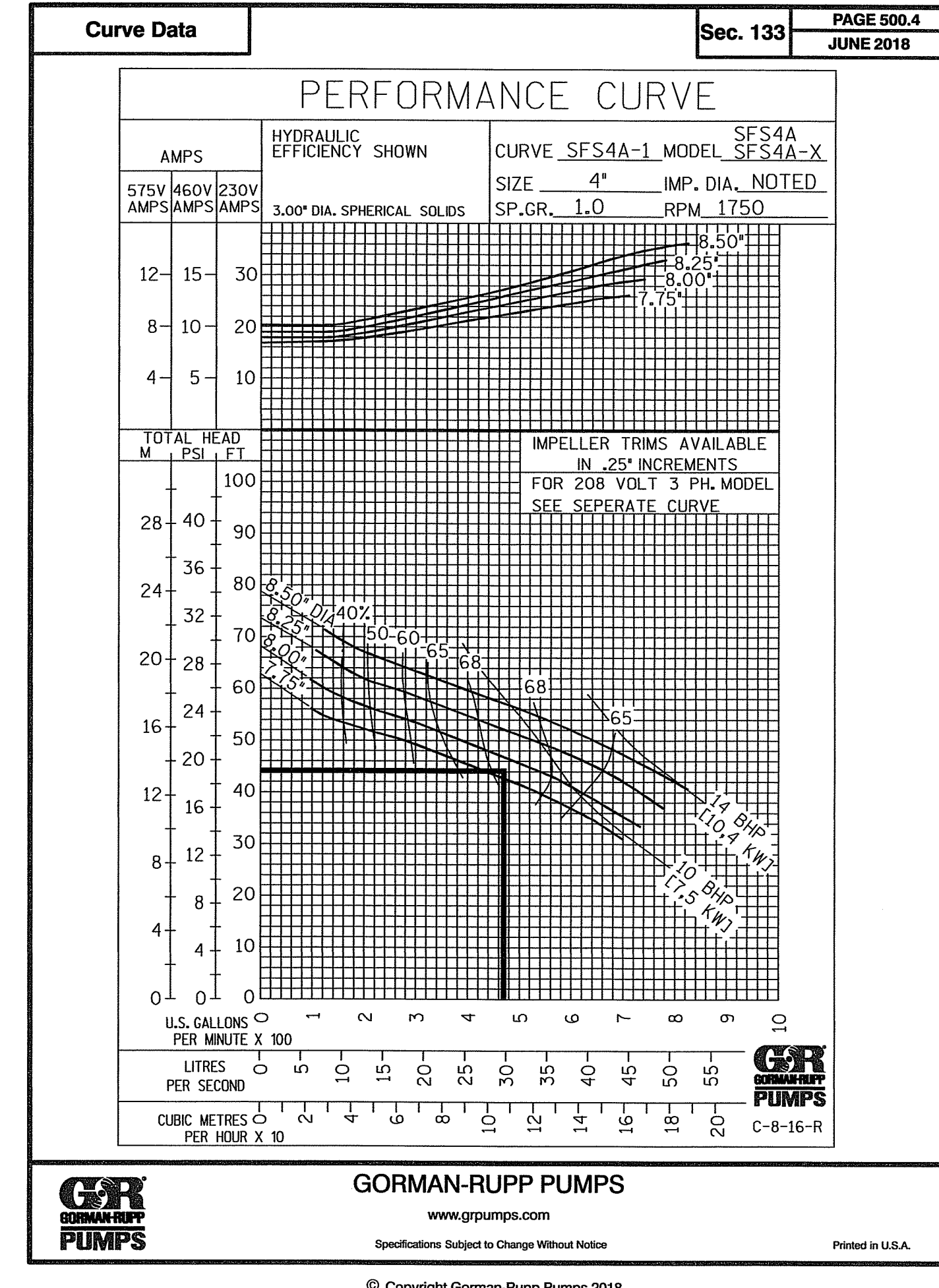
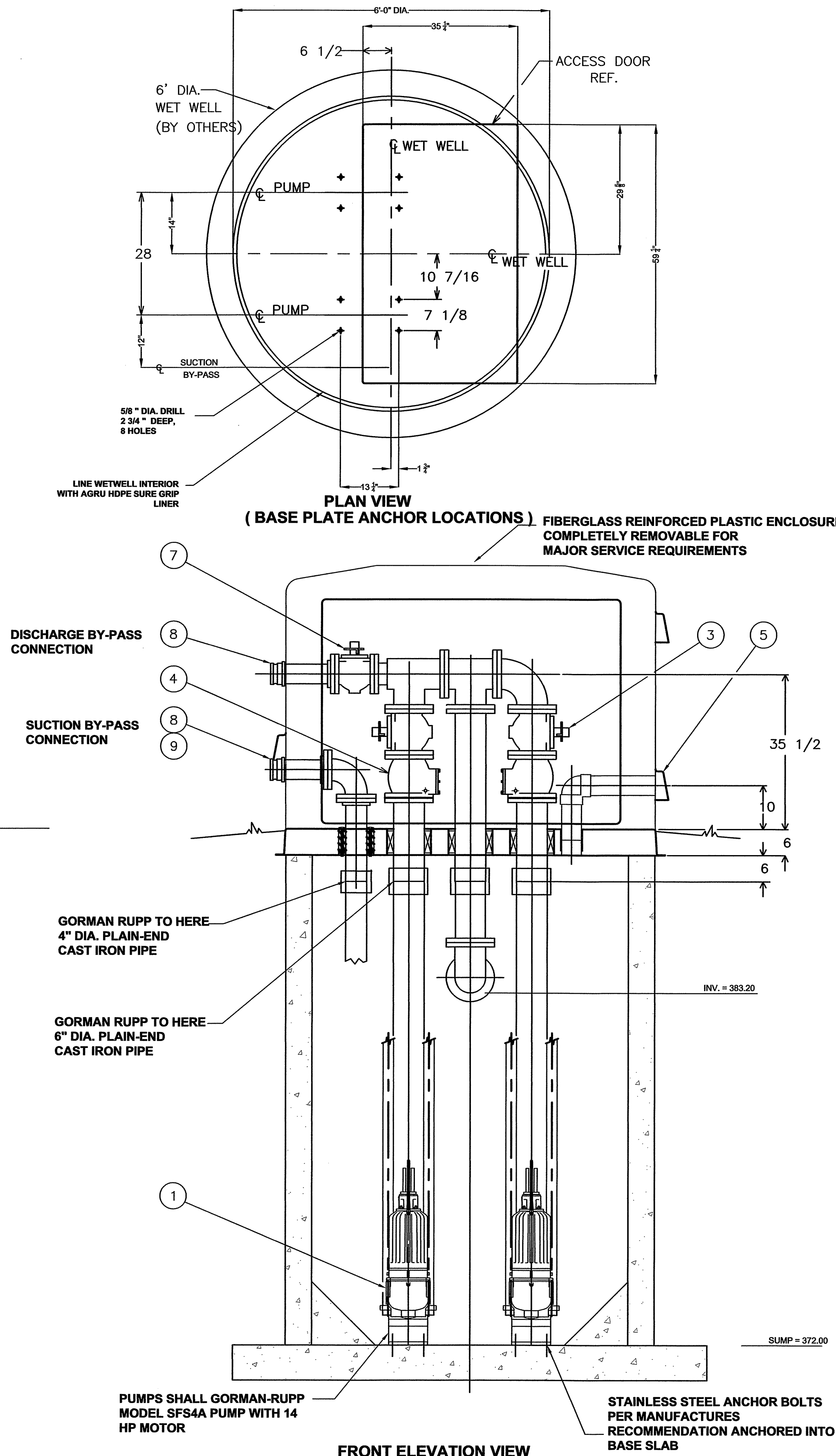
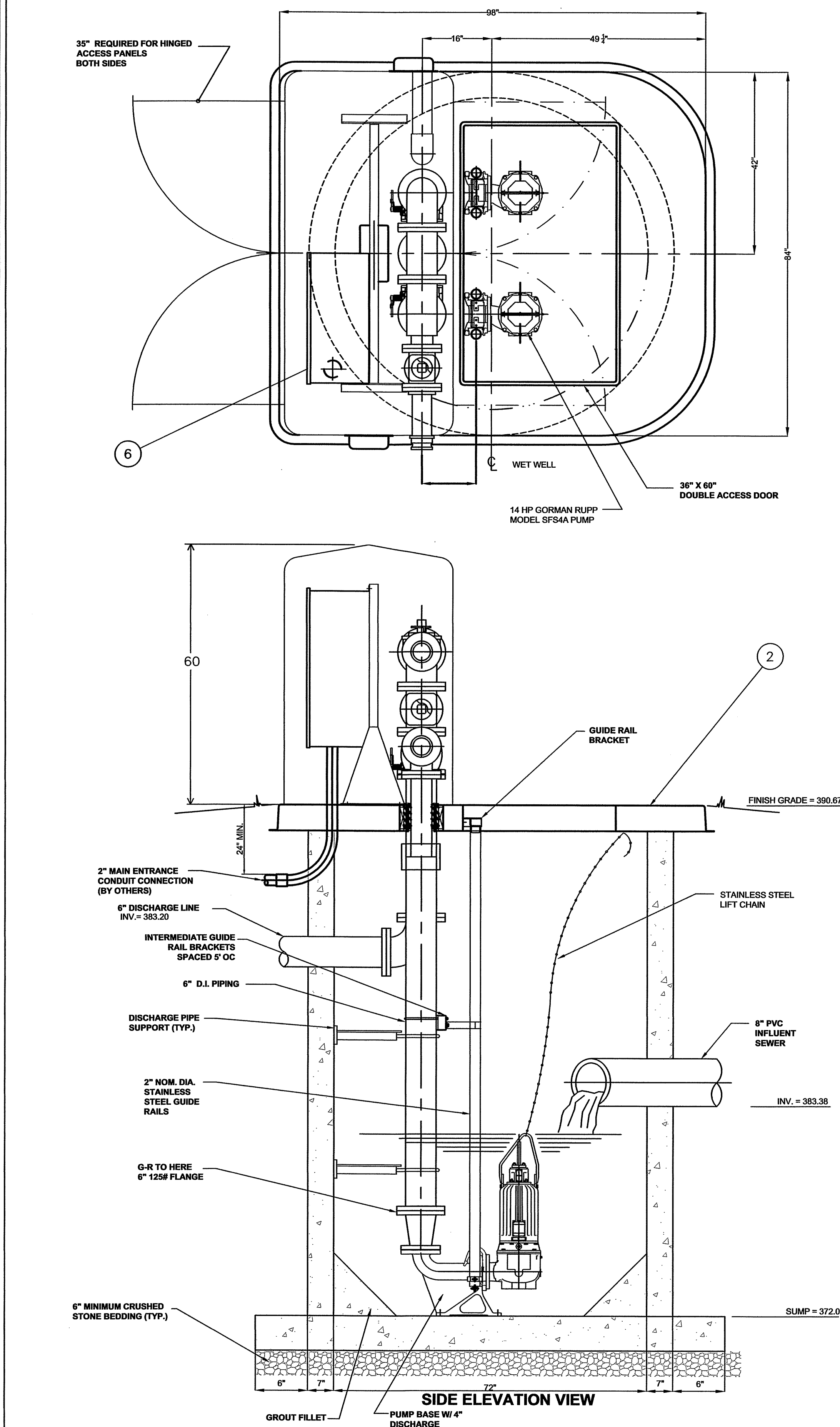


I HEREBY CERTIFY THAT THESE DOCUMENTS
WERE PREPARED OR APPROVED BY ME, AND THAT
I AM A DULY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 90709 EXP. DATE 7/23/20

PROJECT NO. 18-31407
DRAWING NO. D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 20 OF 35



ITEM	DESCRIPTION	MAT'L & SIZE
1	PUMP	CAST IRON
2	BASE	CAST CONCRETE
3	PLUG VALVE	CAST IRON 6"
4	CHECK VALVE	CAST IRON 6"
5	WETWELL VENT	PVC 4"
6	CONTROL PANEL	STEEL
7	PLUG VALVE	CAST IRON 4"
8	OPW ADAPTER	ALUMINUM
9	SUCTION BY-PASS ASS'Y	CAST IRON

DUPLEX SUBMERSIBLE PUMPS
FOR 6" DIA. WET WELL (AS SHOWN)
6" PIPING W/ SUCTION &
DISCHARGE BY-PASS CONNECTION

USED WITH MODELS: SFV3A
SFV3B
SFV4A
SFV4B
SFV4C
SFV4D
SFV4E

45161406.S01.DGN

THE GORMAN-RUPP CO. MANSFIELD, OHIO ST. THOMAS, ONTARIO	
NAME ABOVE GROUND SUBMERSIBLE VALVE PACKAGE W/DUPLEX SUBMERSIBLE PUMPS	
DRN. PKW	CHK. BM
APP. BM	DATE 8/4/10
D 45161-406	
SERIAL NO.	

OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER DATE

PUMP STATION NOTES AND DETAILS
RUTTER'S STORE # 84

SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: AS SHOWN

PROFESSIONAL CERTIFICATION



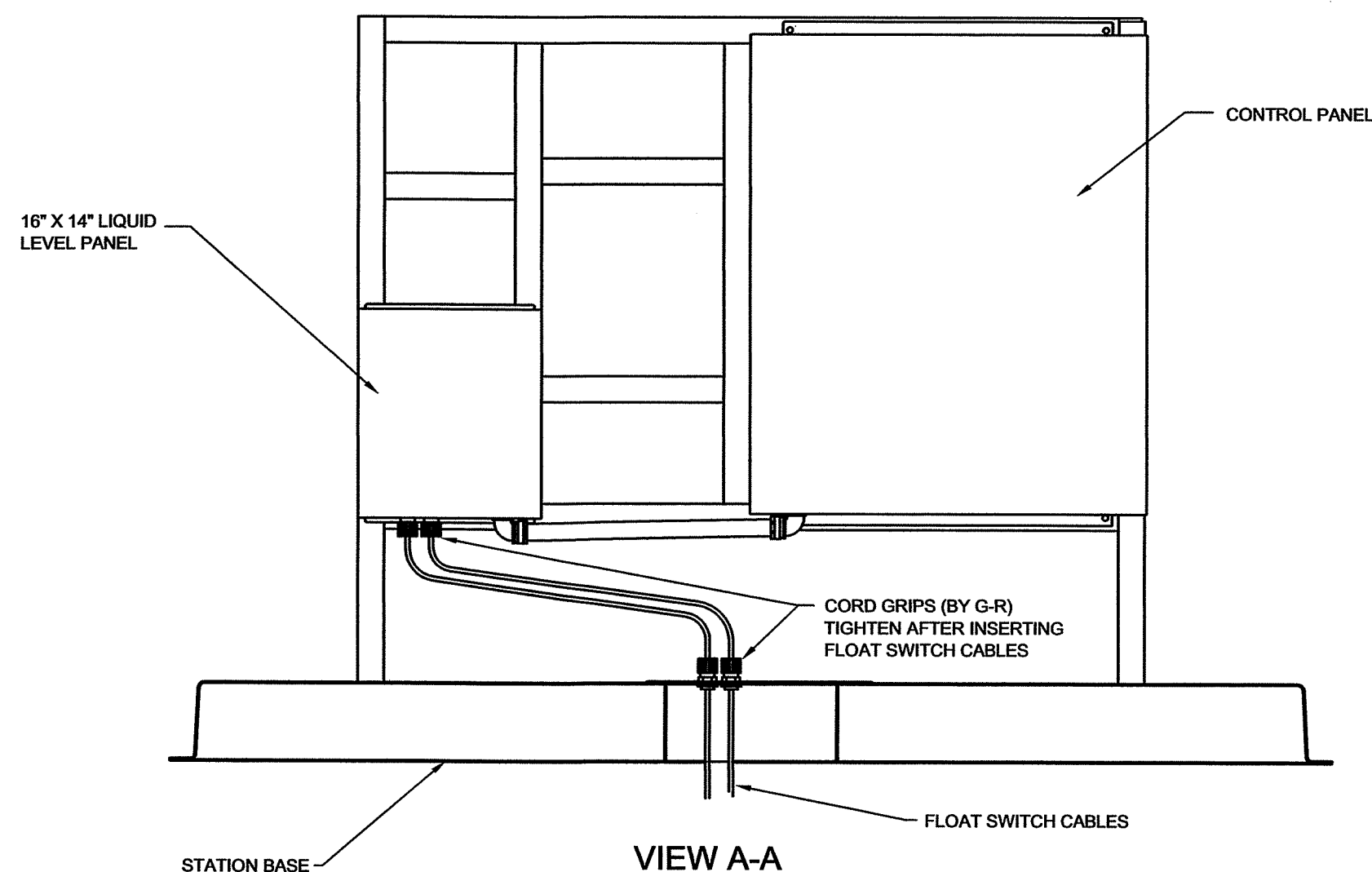
I HEREBY CERTIFY THAT THESE DOCUMENTS
WERE PREPARED OR APPROVED BY ME, AND THAT
I AM A DAILY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 30709 EXP. DATE: 7/13/20

PROJECT NO. 18-31407
DRAWING NO. D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

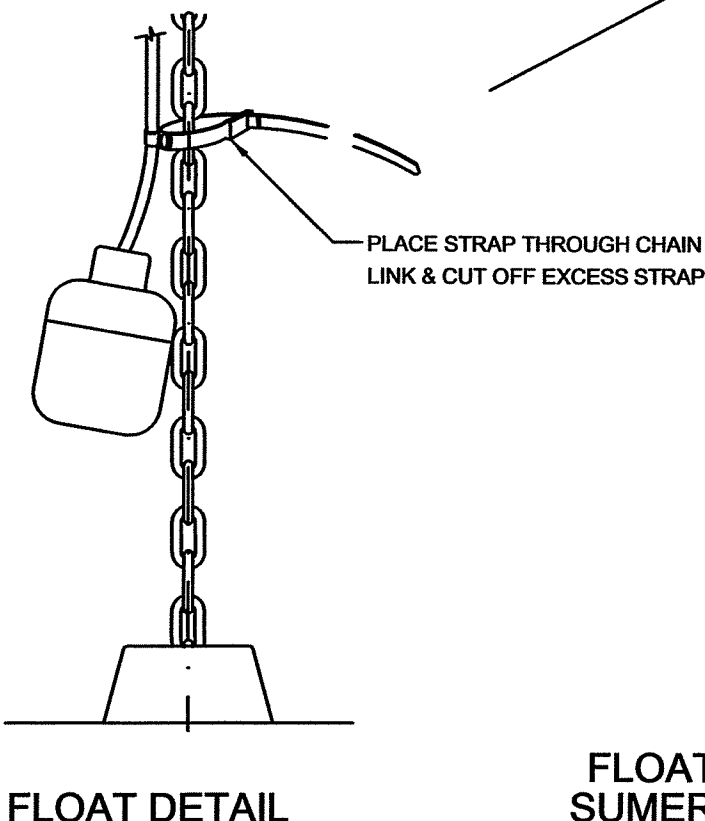
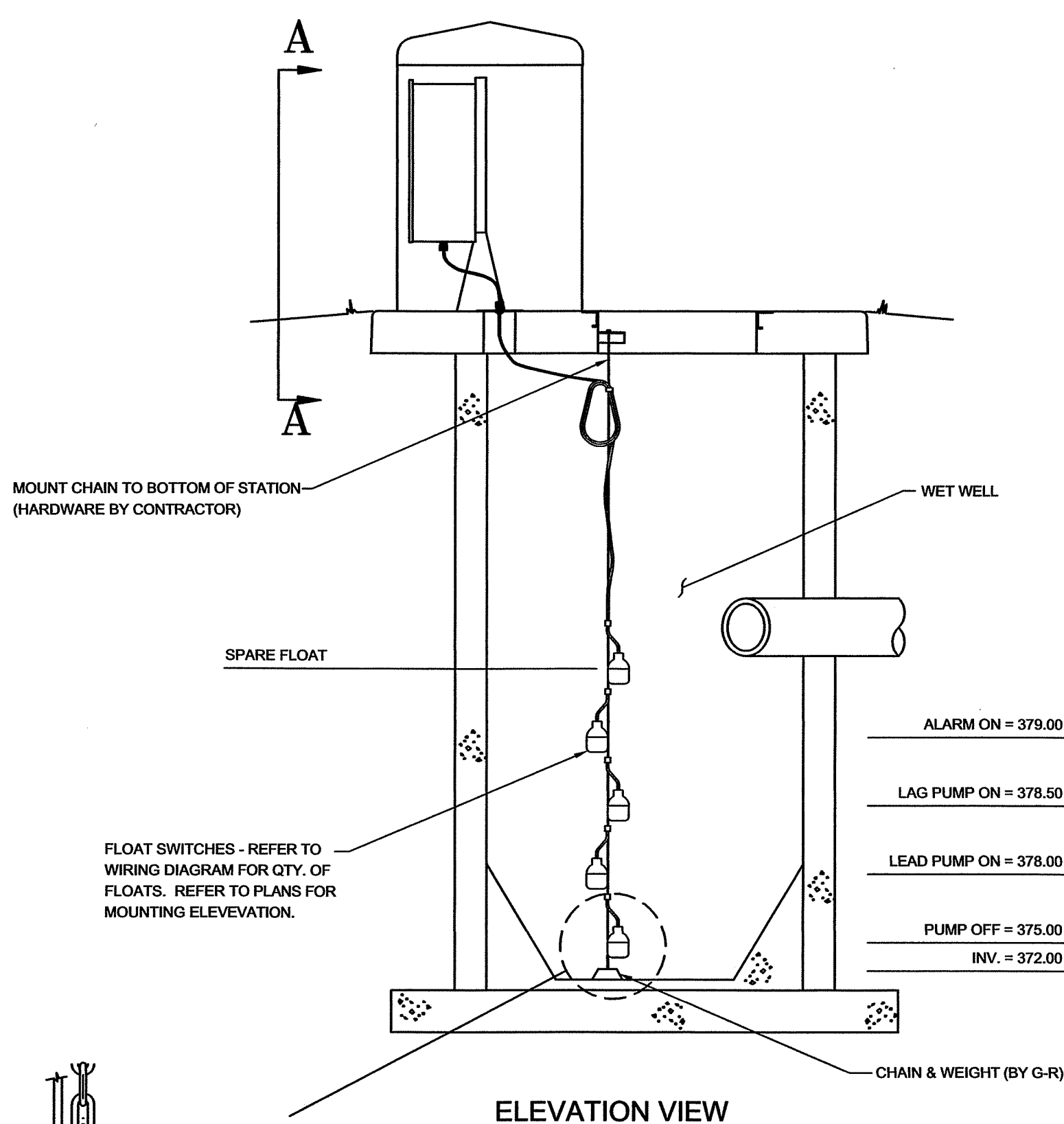
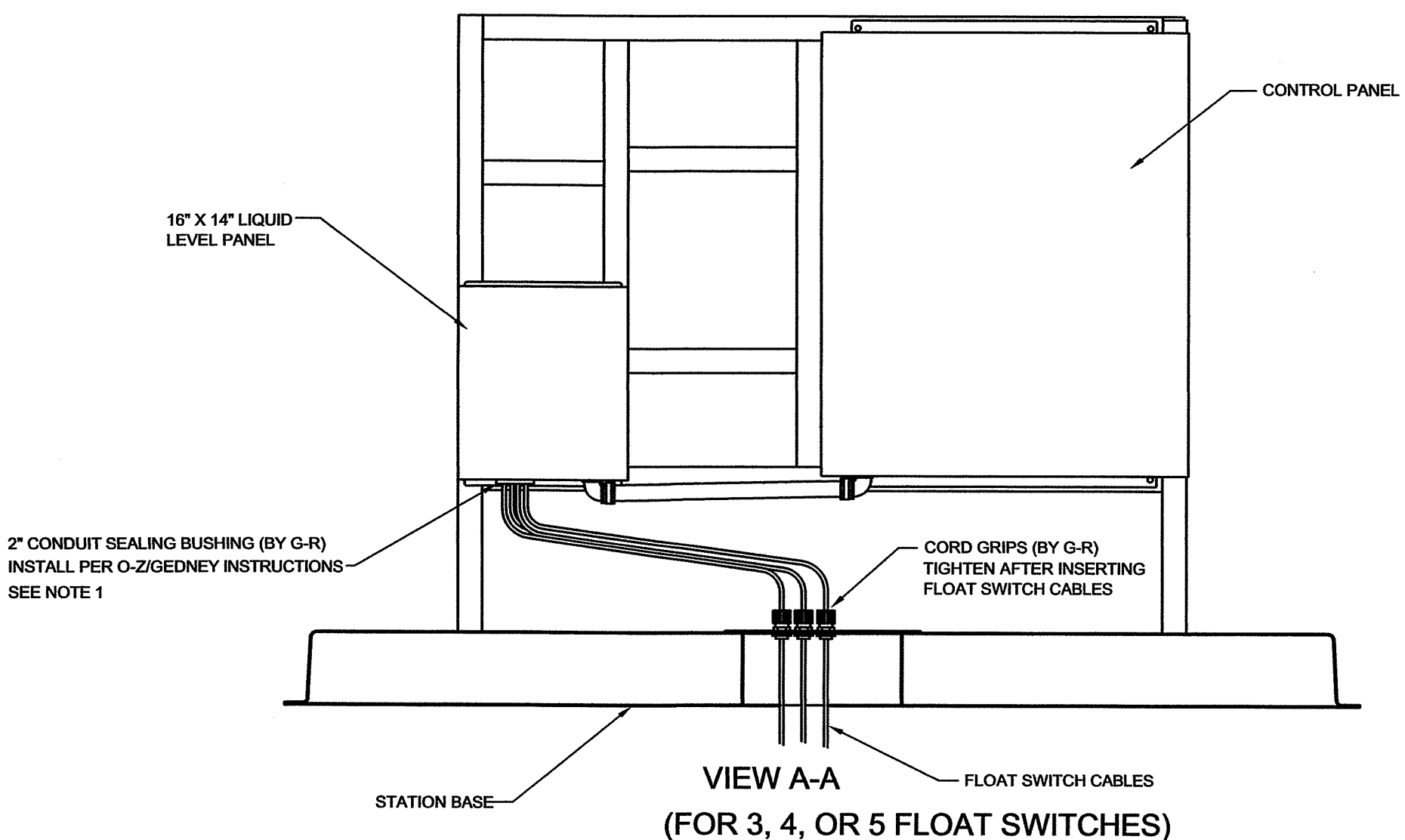
SHEET 21 OF 35

GENERAL NOTES

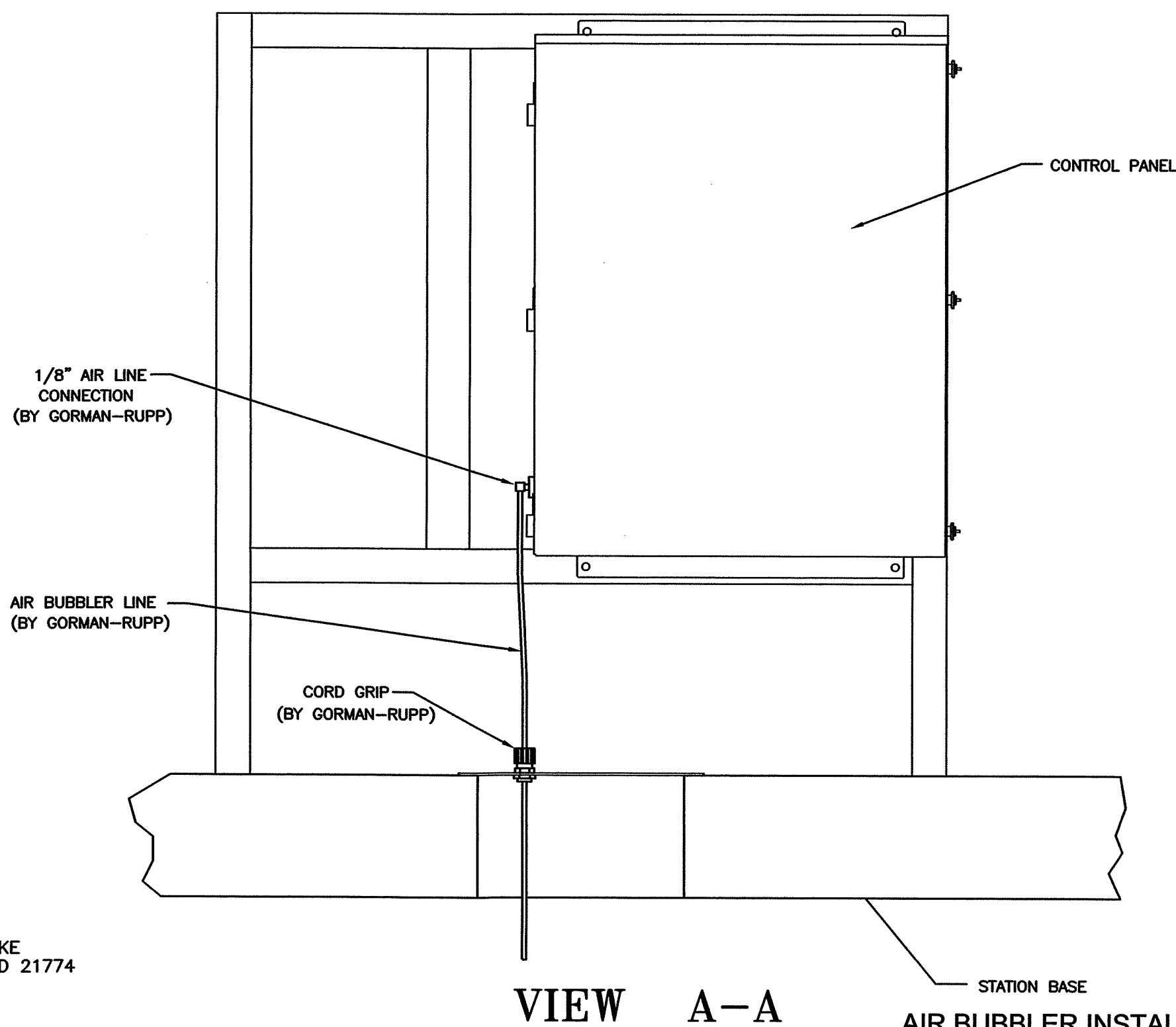
1. ALL EXPOSED METAL SHALL BE PRIMED AND PAINTED WITH 2 COATS OF EXTERIOR ENAMEL PAINT.
2. WETWELLS SHALL BE CONSTRUCTED WITH A HIGH DENSITY POLYETHYLENE LINER OR FIBERGLASS LINER CAST IN DURING CONSTRUCTION. THIS LINER SHALL BE AGRU SUREGRIP HDPE LINER, OR GU FIBERGLASS LINER, OR EQUAL.
3. BASE AND FIRST RISER UNIT TO BE CAST MONOLITHIC.
4. COORDINATE WITH PUMP MANUFACTURER FOR ALL INSTALLATION INSTRUCTIONS.
5. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO PURCHASING.
6. THE OUTSIDE SURFACE OF THE REINFORCED CONCRETE WET WELL SHALL BE COATED
7. FORCE MAIN TO HAVE 42" MINIMUM COVER.
8. ALL CONSTRUCTION AND EQUIPMENT SHALL BE IN ACCORDANCE WITH THE TOWN OF EMMITSBURG DESIGN AND CONSTRUCTION STANDARDS.
9. ALL PUMPING STATION PIPING SHALL BE FLANGED DUCTILE IRON PIPE CLASS 53 UNLESS OTHERWISE NOTED.
10. ALL WALL OPENINGS IN PUMPING STATION FOR PIPES, ETC., SHALL BE THOROUGHLY GROUTED AND MADE WATERTIGHT.
11. THE CONTRACTOR SHALL PROVIDE A WATER SERVICE, CURB STOP AND 3/4" HOSE BIBB TO POINT INDICATED ON PLANS.
12. CONTRACTOR SHALL PROVIDE A REDUCED PRESSURE BACKFLOW PREVENTER WATTS 909 OR EQUAL ON THE WATER SERVICE LINE, MOUNTED BEFORE THE HOSE BIBB.
13. THE CONTRACTOR SHALL INSURE THAT A NAME PLATE SHALL BE FURNISHED FOR EACH PUMP INDICATING THE CAPACITY, TDH, SPEED AND EFFICIENCY.
14. BACKFILL AROUND PIPE AND STRUCTURES IN 12" LIFTS COMPACTING TO A MINIMUM OF 95% MODIFIED PROCTOR (AASHTO T-99).
15. ALL LOCATIONS WHERE PIPES ENTER OR LEAVE THE WET WELL SHALL BE MADE WATERTIGHT WITH LINK SEAL CLOSURES SELECTED FOR THE PROPER SEALING RANGE.
16. INSTALL PUMP BASE ELLS, GUIDE RAILS, AND DISCHARGE PIPING PLUMB, LEVEL, AND SQUARE.
17. INSTALL BENCH FOR PUMP BASE ELL, IF NECESSARY, PER MANUFACTURER'S APPROVED SHOP DRAWINGS.
18. ALL HARDWARE, BOLTING & FASTENERS SHALL BE 316 STAINLESS STEEL.
19. COAT ALL METALS THAT ARE NOT STAINLESS STEEL AND ARE LOCATED IN THE WETWELL WITH 10 MILS (DRY FILM THICKNESS) OF BLACK, HIGH-SOLIDS EPOXY. (TNEMEC SERIES 69 HI-BUILD EPOXYLINE II OR AN EQUIVALENT PRODUCT. COATING SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND SHALL NOT BE IMMERSUED UNTIL FULL CURE IS ACHIEVED.



NOTE:
ATTACH FLOAT SWITCH
CABLES TO SAFE-PACs IN
16" X 14" PANEL AFTER
FLOAT SWITCHES HAVE BEEN
INSTALLED IN WET WELL.



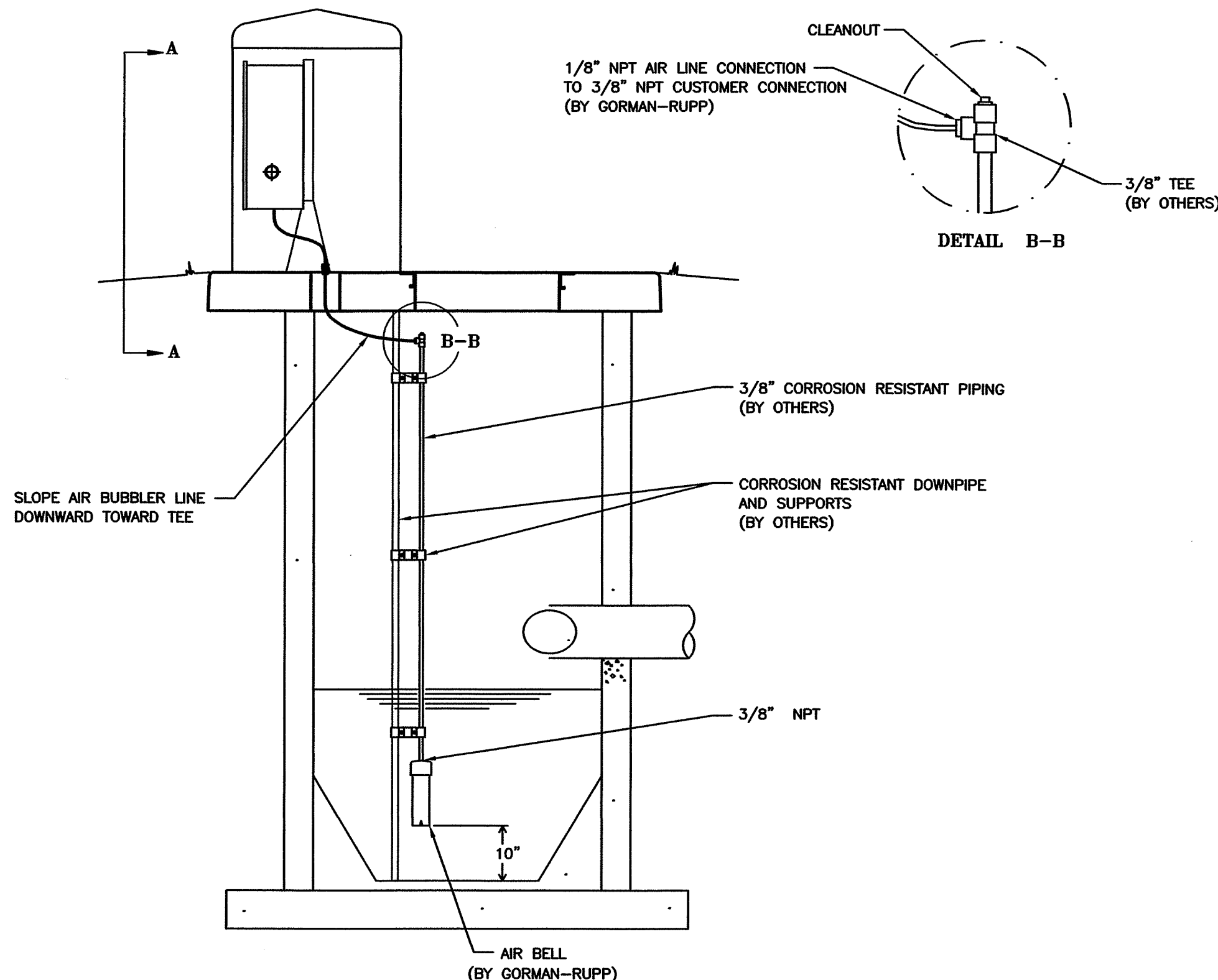
**FLOAT SWITCH INSTALLATION FOR ABOVE GROUND
SUMERSIBLE VALVE PACKAGE (INTRINSICALLY SAFE)**
NOT TO SCALE



OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404

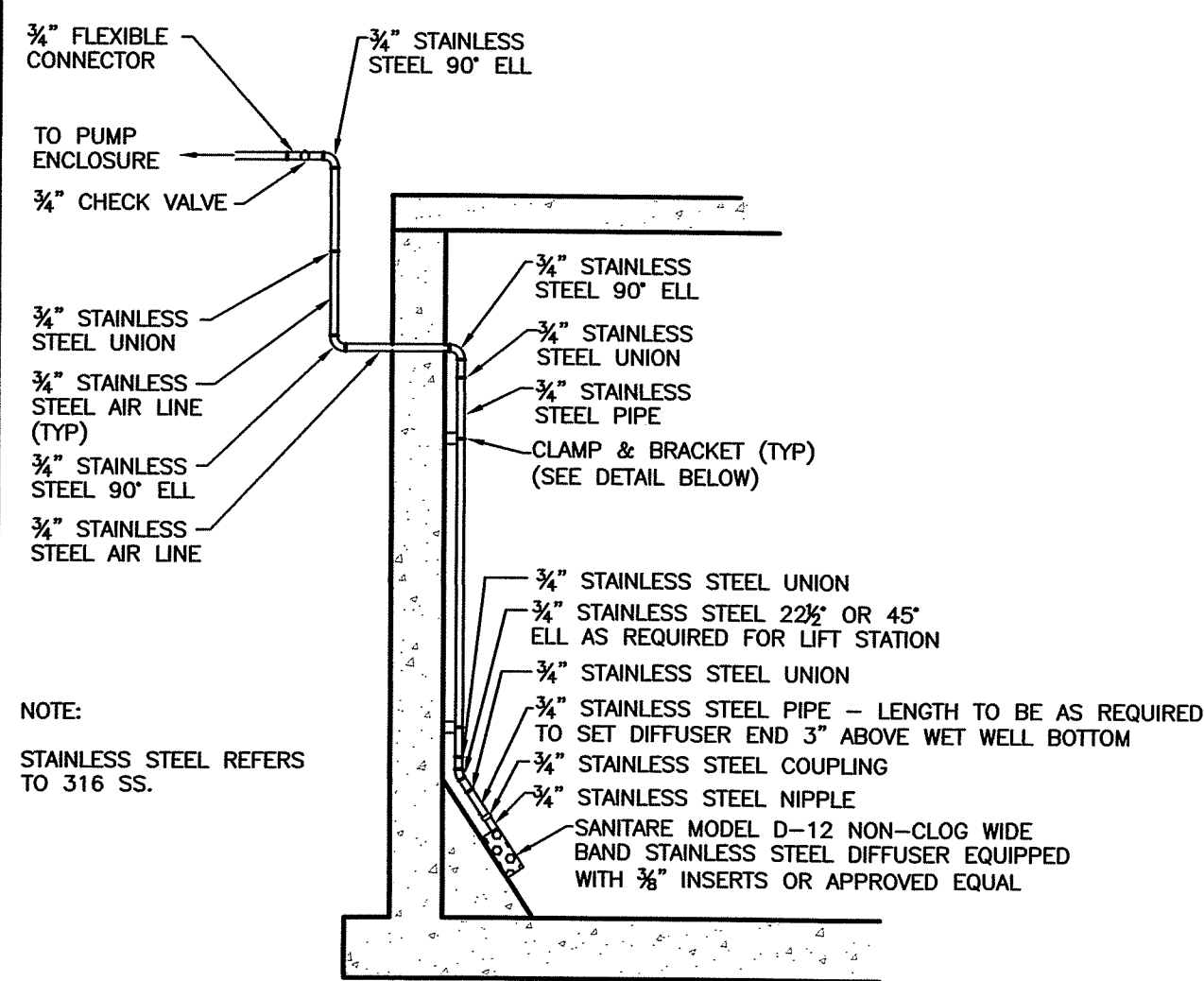
**AIR BUBBLER INSTALLATION FOR
ABOVE GROUND SUBMERSIBLE VALVE PACKAGE**
NOT TO SCALE



APPROVED BY:
TOWN OF EMMITSBURG

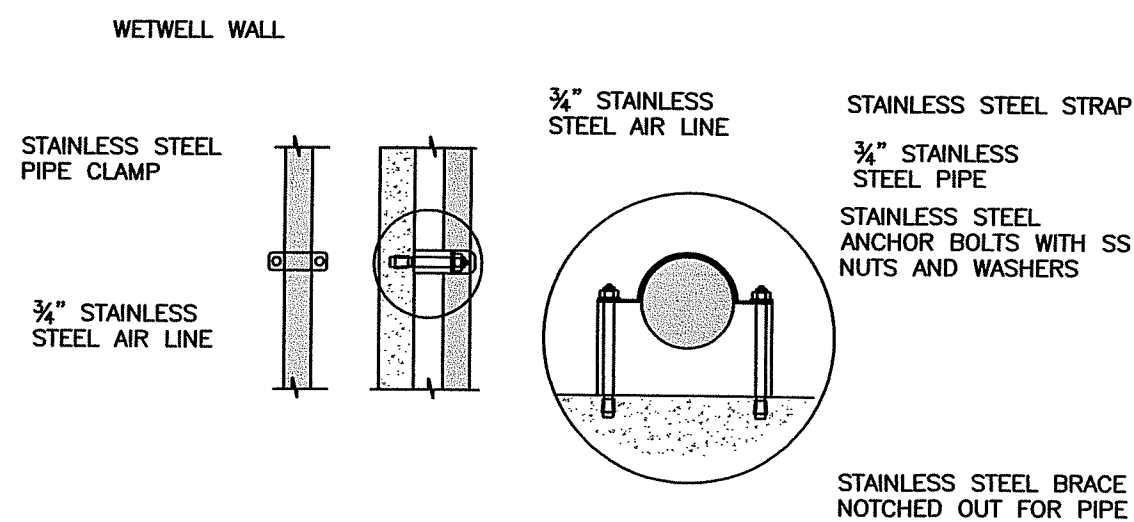
TOWN MANAGER DATE

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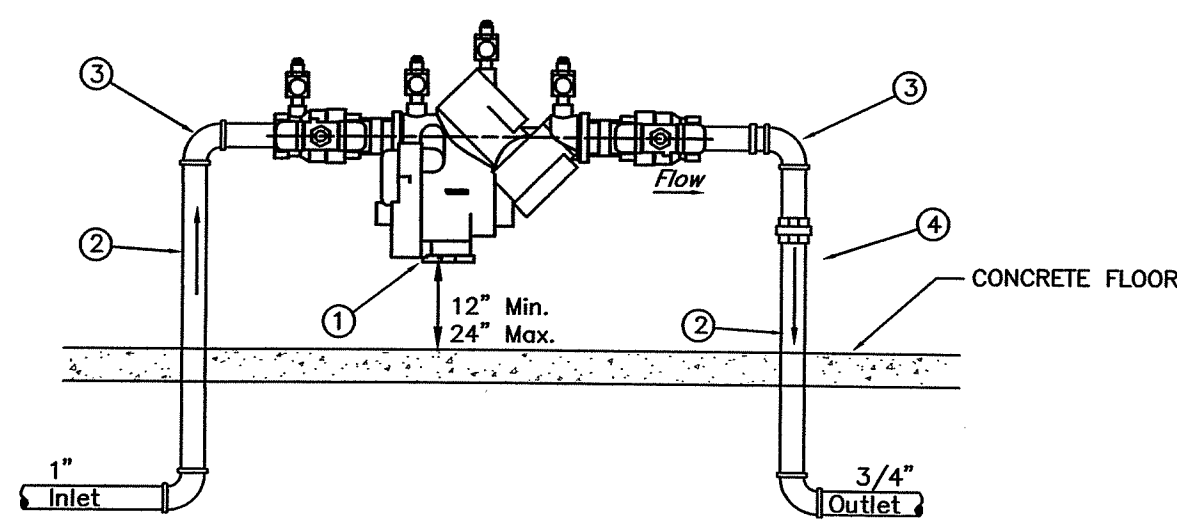


AERATION PIPING DETAIL
NOT TO SCALE

THE AERATION BLOWER SHALL RUN CONTINUOUSLY UNTIL SUCH TIME THE PUMP RUN CYCLE IS INITIATED. THE BLOWER SHALL REMAIN DE-ENERGIZED UNTIL THE WASTEWATER LEVEL REACHES THE "ALL PUMPS OFF" LEVEL, AT WHICH TIME THE AERATION BLOWER IS RE-ENERGIZED.



PIPE CLAMP DETAIL
NOT TO SCALE



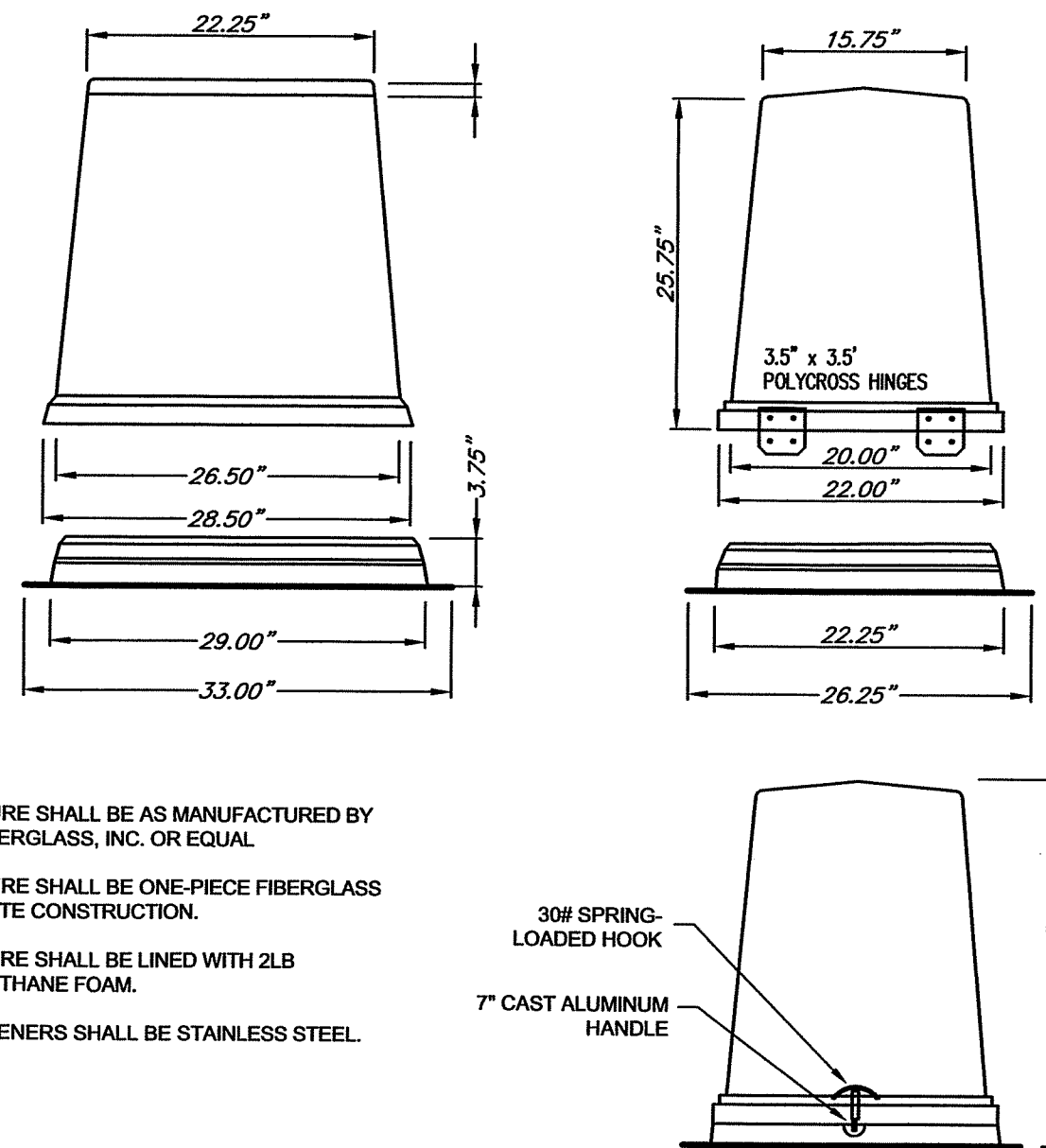
GENERAL NOTES

- BACKFLOW ASSEMBLIES MUST BE TESTED BY A CERTIFIED TESTER THAT APPROVED BY THE TOWN OF EMMITSBURG.
- COPPER FITTINGS SHALL BE CONNECTED WITH LEAD FREE SOLDER JOINTS.
- ALL NIPPLES SHALL BE BRASS OR COPPER. INLET/OUTLET PIPING MUST BE TYPE "K" HARD COPPER.
- APPROVALS FOR BACKFLOW ASSEMBLIES MUST HAVE SEAL APPROVAL FROM THE AMERICAN SOCIETY OF SANITATION ENGINEERS.

LIST OF MATERIALS

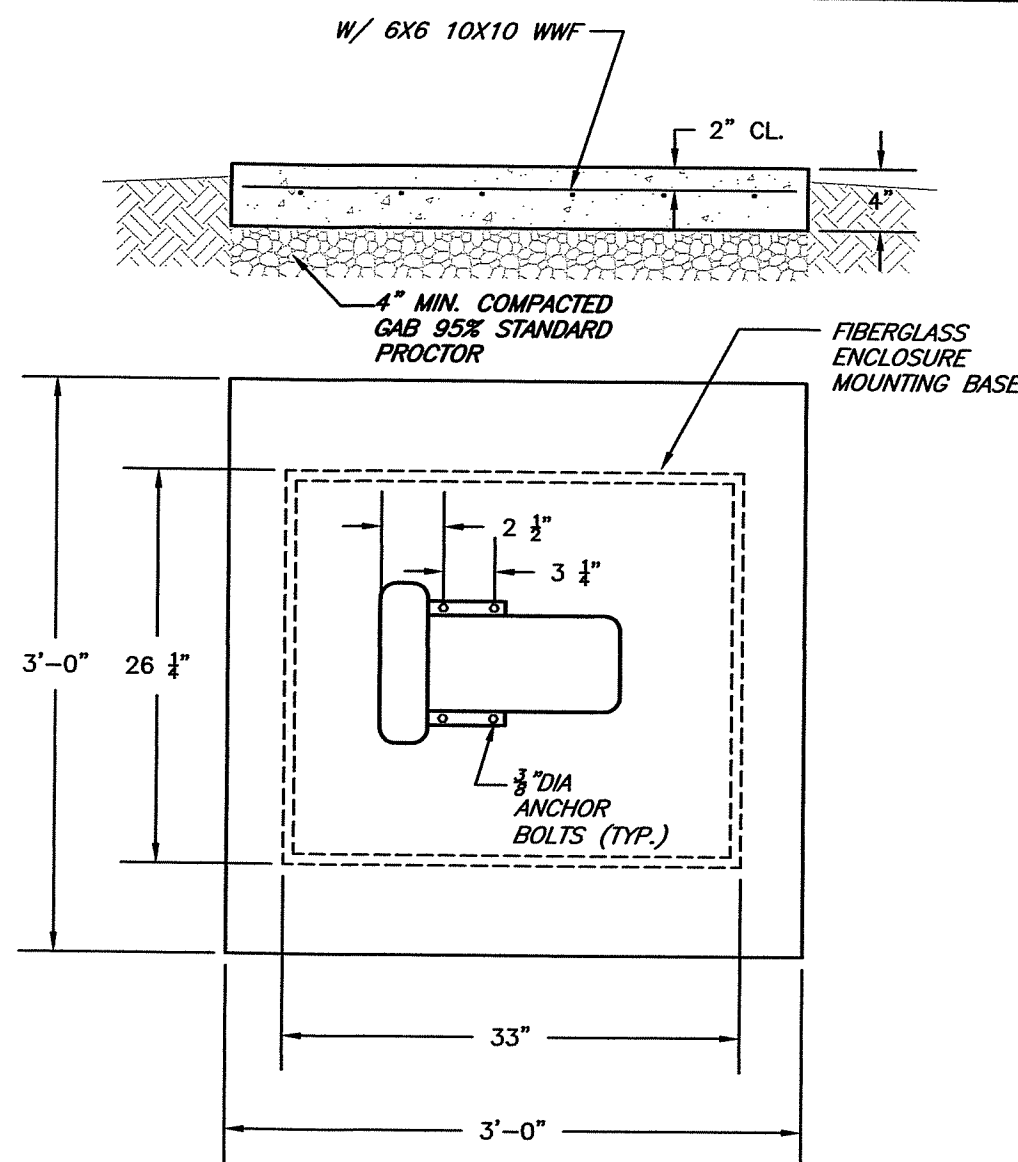
- 1" REDUCED PRESSURE ZONE CHECK VALVE ASSEMBLY WATTS MODEL 880QT
- PIPE SPOOL, TYPE "L" HARD COPPER.
- 90° ELL, COPPER.
- PIPE UNION, BRASS OR COPPER.

REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY
NOT TO SCALE



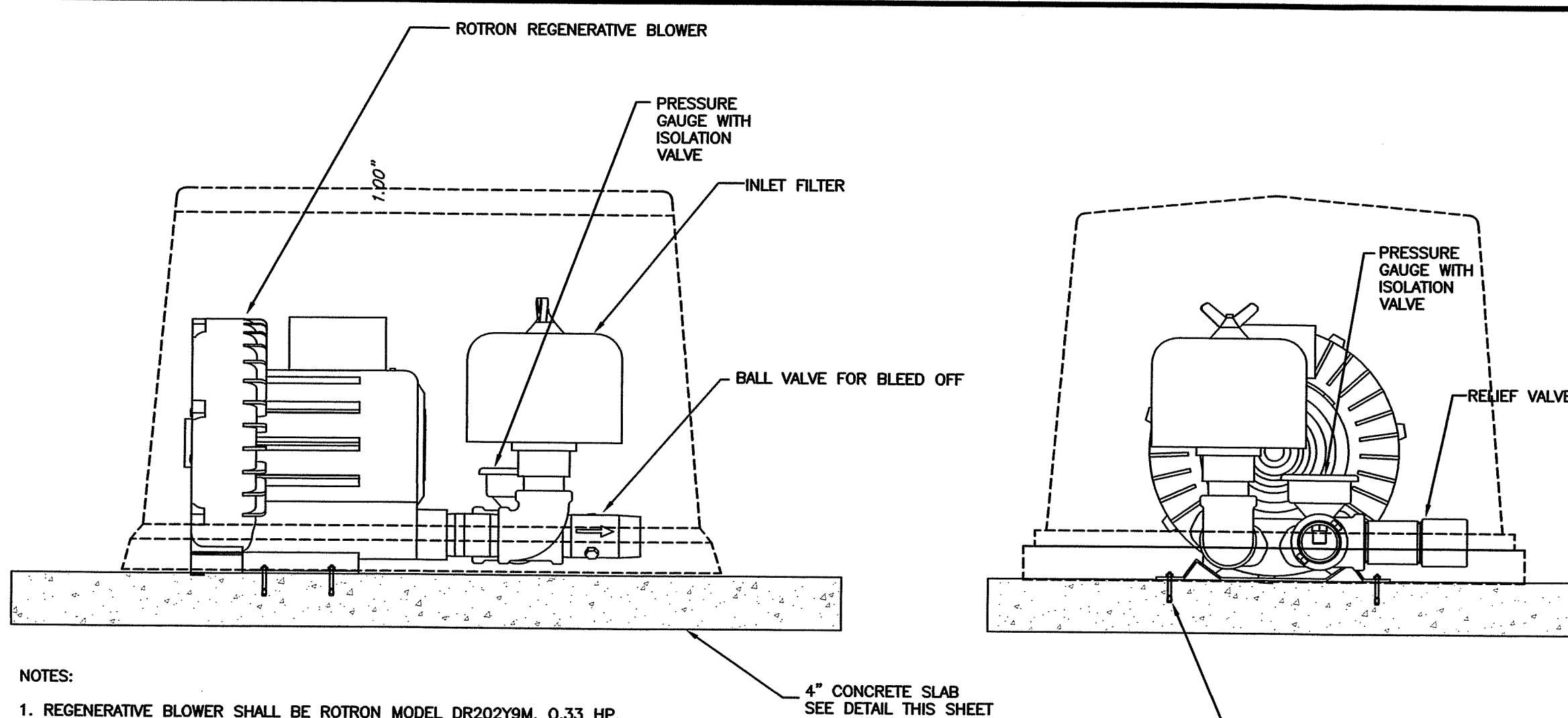
ENCLOSURE SHALL BE AS MANUFACTURED BY DYER FIBERGLASS, INC. OR EQUAL.
ENCLOSURE SHALL BE ONE-PIECE FIBERGLASS COMPOSITE CONSTRUCTION.
ENCLOSURE SHALL BE LINED WITH 2LB POLYURETHANE FOAM.
ALL FASTENERS SHALL BE STAINLESS STEEL.

MOLDED FIBERGLASS ENCLOSURE
NOT TO SCALE



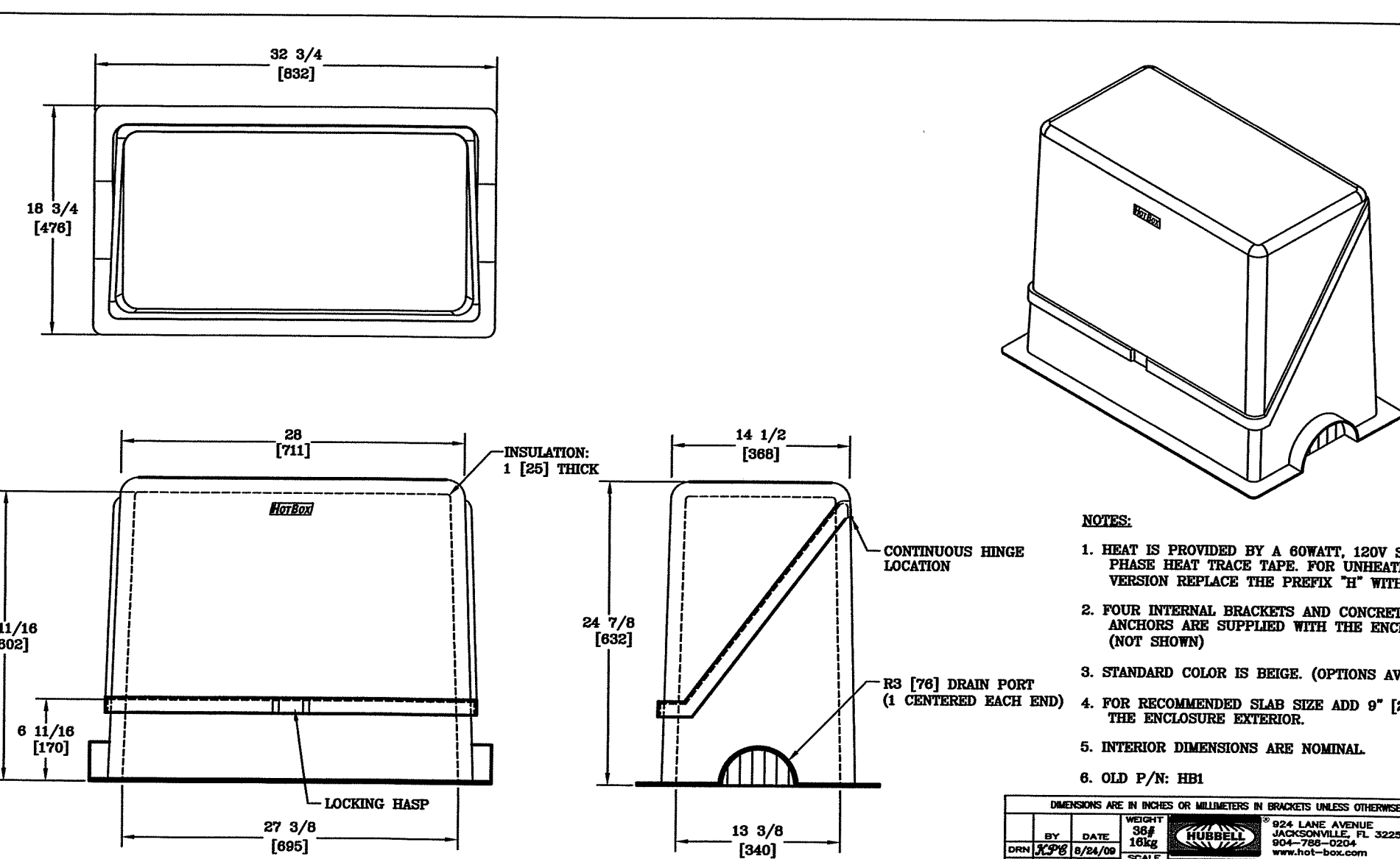
- NOTES:
- CONCRETE SHALL BE 3000 PSI AT 28 DAYS.
 - CONCRETE SHALL BE SPRAYED WITH LIQUID CURING COMPOUND AS SOON AS FREE WATER HAS DISAPPEARED FROM THE SURFACE.
 - ALL CONCRETE SHALL HAVE A BRUSHED FINISH.
 - REINFORCING STEEL SHALL HAVE 60,000 PSI YIELD STRENGTH.

REGENERATIVE BLOWER CONCRETE SLAB
NOT TO SCALE



- NOTES:
- REGENERATIVE BLOWER SHALL BE ROTRON MODEL DR202Y9M, 0.33 HP, TFC, 115/230V/1/60.
 - PROVIDE PRESSURE GAUGE WITH ISOLATION VALVE.
 - PROVIDE FISHER RELIEF VALVE 289-41.
 - PROVIDE CCF-12" INLET FILTER, UNIVERSAL.
 - PROVIDE 12" BALL VALVE FOR BLEED OFF.
 - PUMP SHALL OPERATE 5 CFM AT 31" WATER DEPTH.
 - PROVIDE FIBERGLASS ENCLOSURE PER DETAIL.
 - BLOWER SHALL INCLUDE MOUNTING BASE.
 - THE AERATION BLOWER SHALL RUN CONTINUOUSLY UNTIL SUCH TIME THE PUMP RUN CYCLE IS INITIATED. THE BLOWER SHALL REMAIN DE-ENERGIZED UNTIL THE WASTEWATER LEVEL REACHES THE "ALL PUMPS OFF" LEVEL, AT WHICH TIME THE AERATION BLOWER IS RE-ENERGIZED.

REGENERATIVE BLOWER
NOT TO SCALE



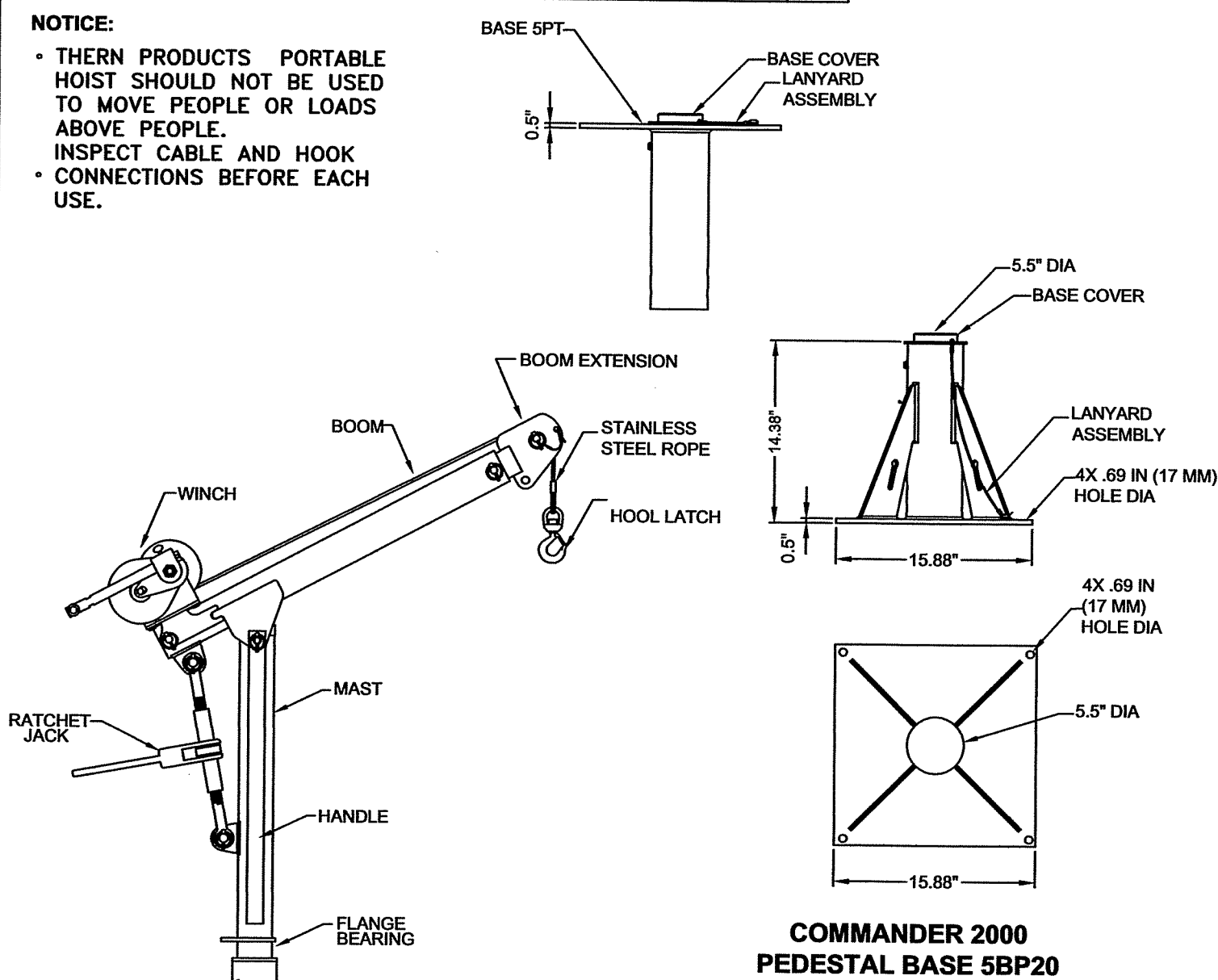
- NOTES:
- HEAT IS PROVIDED BY A 60WATT, 120V SINGLE PHASE HEAT TRACE TAPE. FOR UNHEATED VERSION REPLACE THE PROPK 74" WITH AN "L".
 - FOUR INTERNAL BRACKETS AND CONCRETE ANCHORS ARE SUPPLIED WITH THIS ENCLOSURE. (NOT SHOWN)
 - STANDARD COLOR IS BRIGE. (OPTIONS AVAILABLE)
 - FOR RECOMMENDED SLAB SIZE ADD 9" [229] TO THE ENCLOSURE EXTERIOR.
 - INTERIOR DIMENSIONS ARE NOMINAL.
 - OLD P/N: FBI1

REV.	DATE	DESCRIPTION	BY	CHKD.	APP'D.
1	12/18/20	ISSUED FOR PERMIT	JW	JW	JW
2	1/14/21	REVISED FOR CONCRETE ANCHORS	JW	JW	JW
3	1/14/21	REVISED FOR CONCRETE ANCHORS	JW	JW	JW
4	1/14/21	REVISED FOR CONCRETE ANCHORS	JW	JW	JW
5	1/14/21	REVISED FOR CONCRETE ANCHORS	JW	JW	JW
6	1/14/21	REVISED FOR CONCRETE ANCHORS	JW	JW	JW

Finish	Code	Model Number	Options	Description
Powder Coat (Red)	-	5PT10	5PT20	Standard NIC
Red electrostatic powder coating applied to all cranes - Good				

Electric Winch	Model No.	Line Speed	Finish	Power	Control (Pendant)	Approx. Ship Weight
E2X	4WP2EGRA-K	8 fpm 13 fpm	Epoxy Paint	115 Volt, AC, Single Phase	6 ft	85 lbs 39 kg

- NOTICE:
- THERN PRODUCTS PORTABLE HOIST SHOULD NOT BE USED TO MOVE PEOPLE OR LOADS ABOVE PEOPLE.
 - INSPECT CABLE AND HOOK CONNECTIONS BEFORE EACH USE.



PORTABLE HOIST
NOT TO SCALE

THERN
WINCHES AND CRANES

OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER DATE

FOX
& ASSOCIATES INC.
Est. 1966

FOX & ASSOCIATES, INC.

ENGINEERS • SURVEYORS • PLANNERS

82 NORMANS MILL COURT
SUITE 'C'
FREDERICK, MD. 21701
PHONE: (301) 733-8503
FAX: (301) 733-8503
WWW.FOXASSOCIATESINC.COM E-MAIL: FOF@FOXASSOCIATESINC.COM

DRAWN BY

REVISION

DATE

PUMP STATION NOTES AND DETAILS

RUTTER'S STORE # 84

SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: AS SHOWN

PROFESSIONAL CERTIFICATION

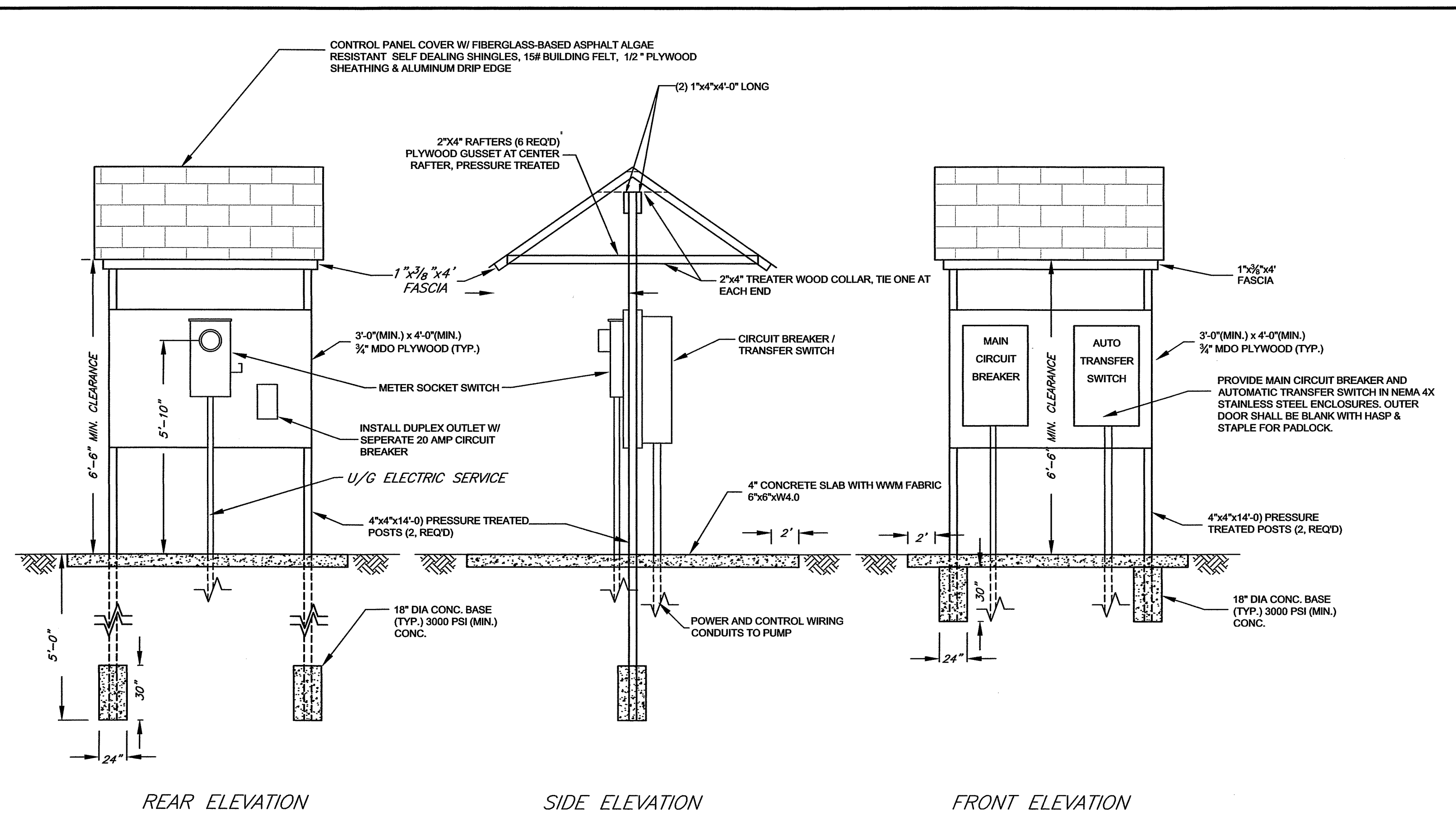


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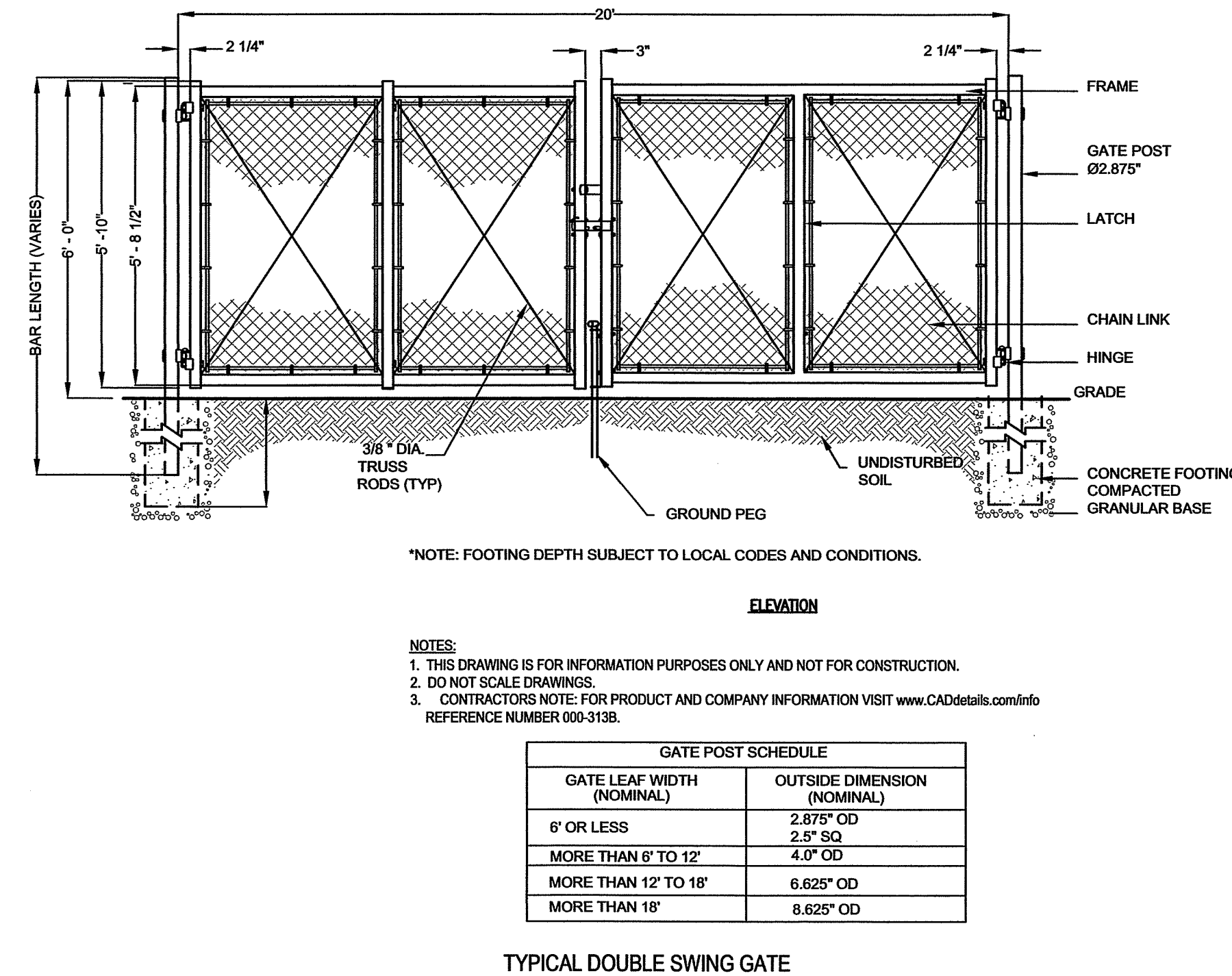
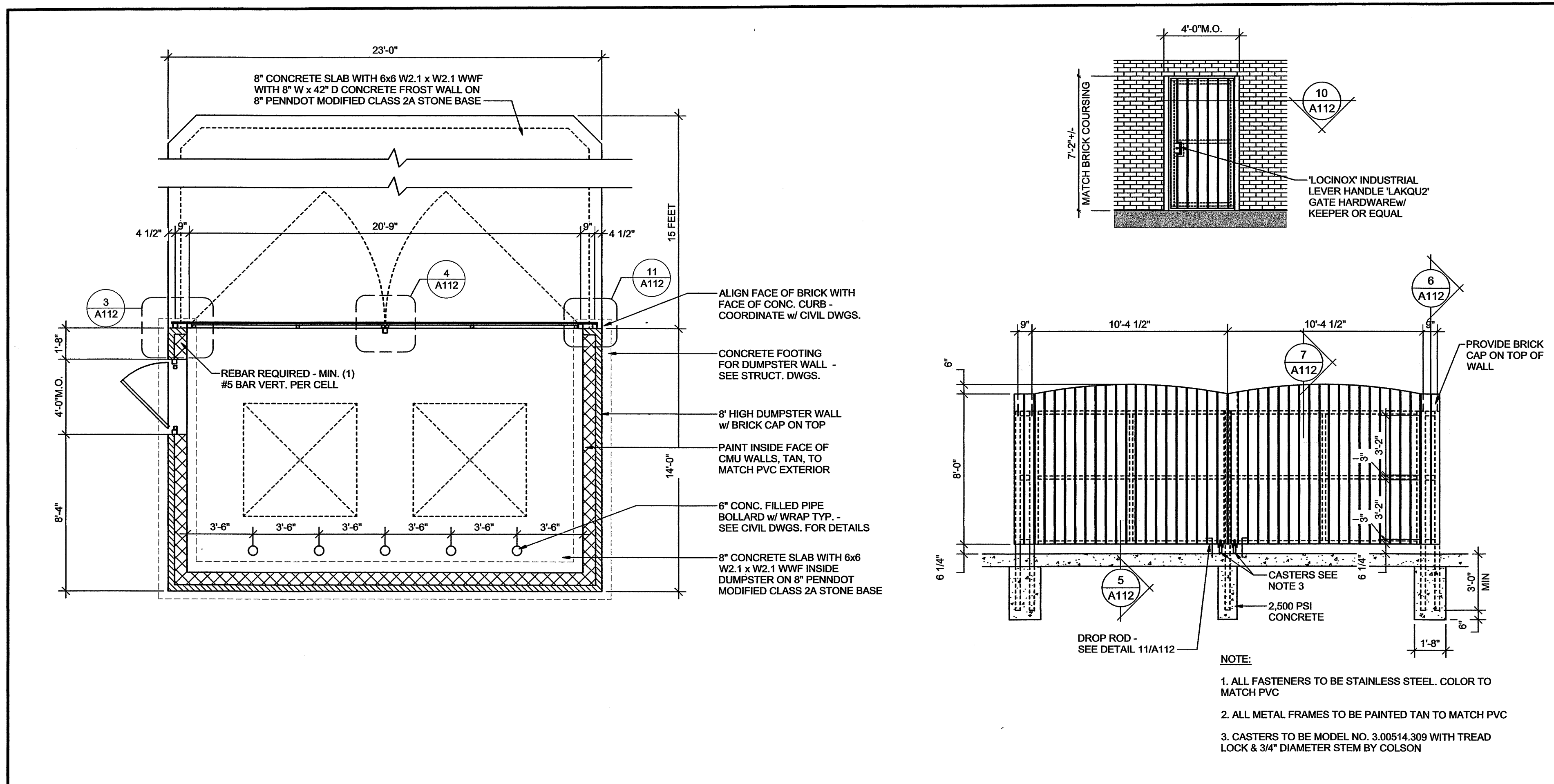
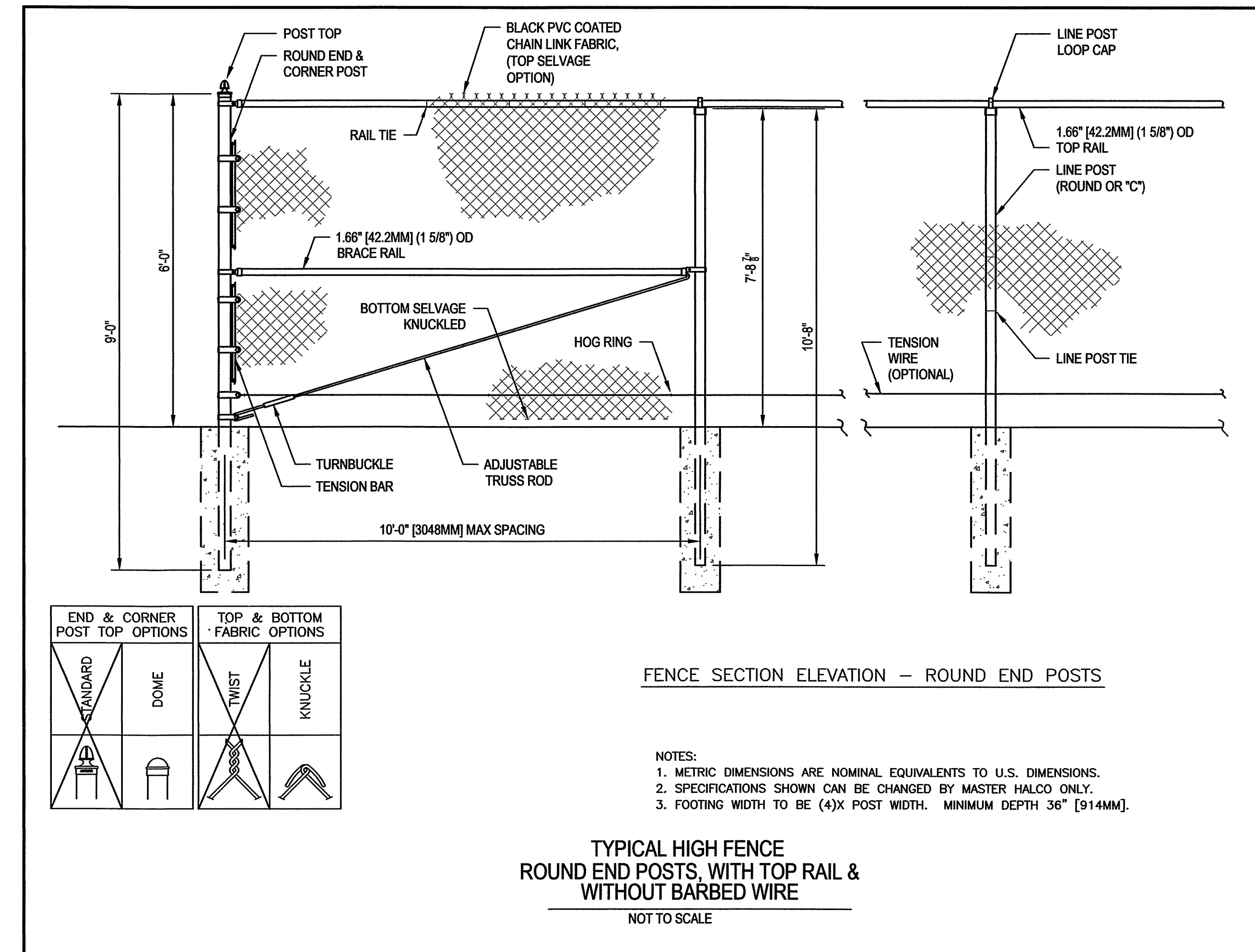
LICENSE NO.: 1012419 EXP. DATE: 7/13/20

PROJECT NO.: 18-31407
DRAWING NO.: D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 22 OF 35



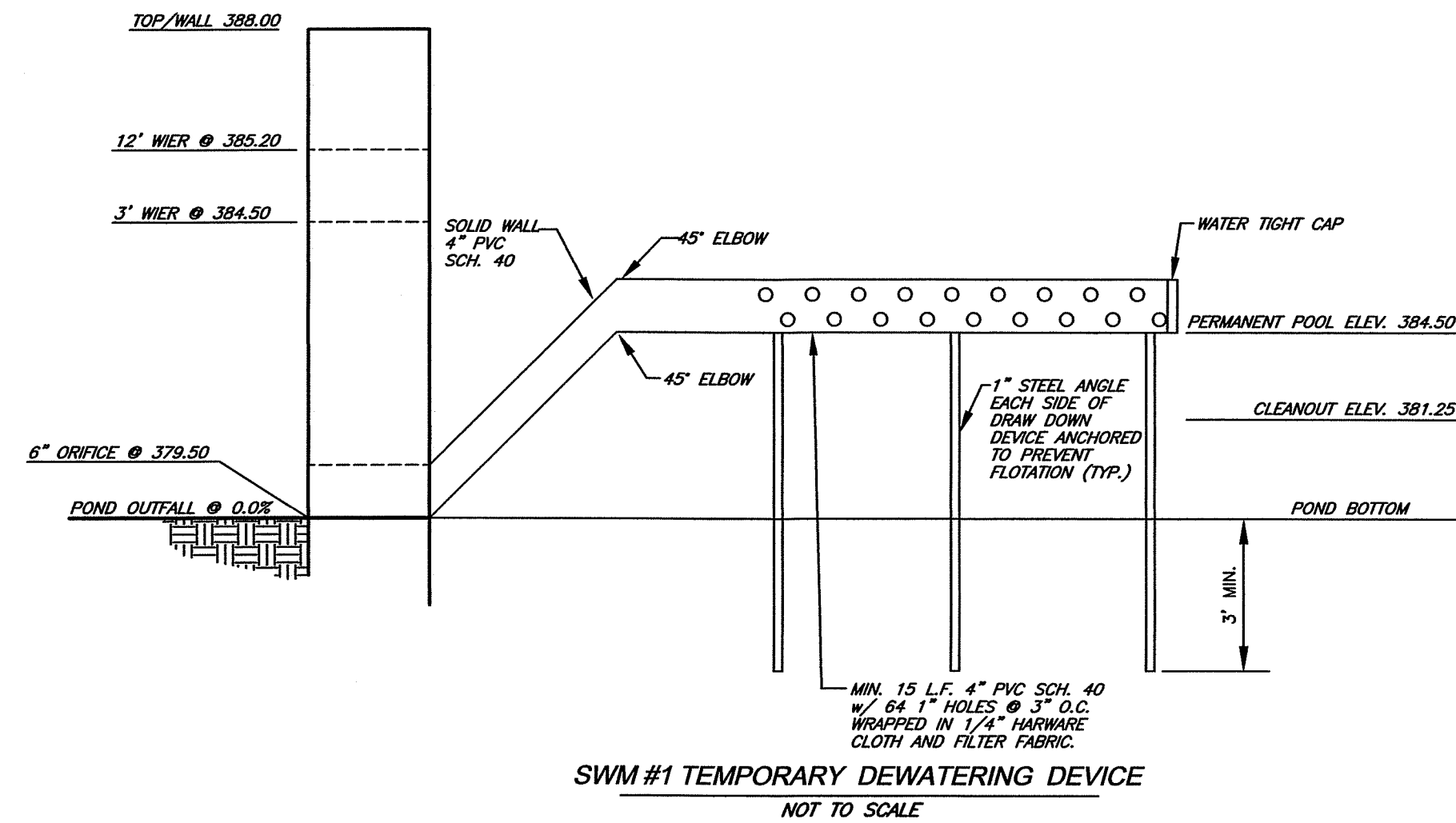
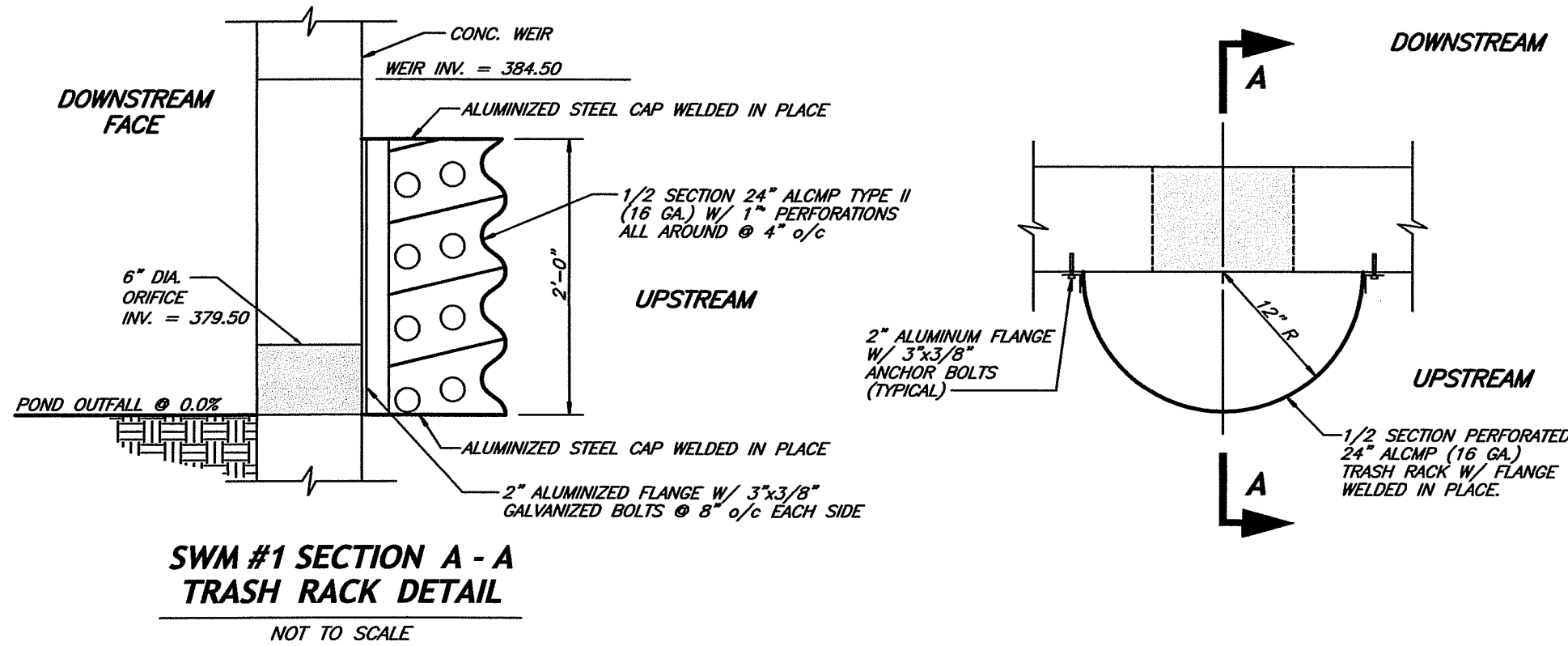
POWER AND PUMP CONTROL CENTER



GATE POST SCHEDULE	
GATE LEAF WIDTH (NOMINAL)	OUTSIDE DIMENSION (NOMINAL)
6' OR LESS	2.875" OD
MORE THAN 6' TO 12'	2.5" SQ
MORE THAN 12' TO 18'	4.0" OD
MORE THAN 18'	6.625" OD
MORE THAN 18'	8.625" OD

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER DATE



STRUCTURAL NOTES

GENERAL NOTES

- 1 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
- 2 NOTES AND DIMENSIONS ON DRAWINGS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON DRAWINGS.
- 3 ALL WORK SHALL BE IN ACCORDANCE WITH THE MORE STRINGENT REQUIREMENTS OF THE MINIMUM STANDARDS LISTED IN THE GOVERNING CODE OR AS INDICATED HEREON. GOVERNING CODE SHALL BE IBC 2012.
- 4 COORDINATE THESE DRAWINGS WITH THE CIVIL DRAWINGS. ANY INCONSISTENCIES SHALL BE REPORTED TO THE ENGINEER FOR INSTRUCTIONS ON HOW TO PROCEED.
- 5 THESE DRAWINGS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE EXISTING CONDITIONS AND PROPOSED STRUCTURE DURING CONSTRUCTION, INCLUDING ALL BRACING AND SHORING REQUIRED TO RESIST.
- 6 ASTM SPECIFICATIONS LISTED SHALL BE THE LATEST EDITION.
- 7 DESIGN LIVE LOADS:
LATERAL LOAD OF RETAINED MATERIAL BASED ON:
UNIT WEIGHT OF MATERIAL = 120 PCF

FOUNDATION

- 1 A FOUNDATION / SUBSURFACE REPORT HAS BEEN ISSUED BY AND INCLUDED IN THE CONTRACT DOCUMENTS.
- 2 FOUNDATIONS HAVE BEEN DESIGNED BASED ON ALL ALLOWABLE BEARING PRESSURE EQUAL TO 2,000 PSF.
- 3 THE CONTRACTOR SHALL PROVIDE FOR ALL DE-WATERING, SHORING, BRACING, ETC. SUPPORTING THE PRESSURE INDICATED.
- 4 IF FOUNDATION MATERIAL IS UNCOVERED AND DETERMINED NOT TO BE CAPABLE OF SUPPORTING THE PRESSURE INDICATED, THE UNDERLYING MATERIAL SHALL BE OVEREXCAVATED UNTIL COMPETENT MATERIAL IS FOUND AND BACKFILLED WITH CRUSHED STONE COMPACTED TO 95% MAXIMUM DENSITY.

CONCRETE

- 1 ALL CONCRETE SHALL CONFORM WITH THE REQUIREMENTS OF THE MSHA MIX NO. 3 CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-11). CONCRETE FOR WALLS AND FOOTINGS SHALL BE 5,000 PSI.
- 2 CLEAR COVERAGE OVER OUTER REINFORCING BAR SHALL BE AS FOLLOWS: CONCRETE ALL LOCATIONS 3 INCHES
- 3 CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY
- 4 PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE A IF CONCRETE IS IN CONTACT WITH SOIL OR SUBJECT TO FREEZING AND THAWING.
- 5 AGGREGATE FOR CONCRETE SHALL CONFORM TO ALL THE REQUIREMENTS AND TESTS OF ASTM C-33 AND PROJECT SPECIFICATIONS.

REINFORCING STEEL

- 1 REINFORCING STEEL SHALL CONFORM TO ASTM DESIGNATION A-615 GRADE 60. TIES AND STIRRUPS MAY BE GRADE 40.
- 2 ALL REINFORCING SHALL BE DETAILED AND PLACED IN CONFORMANCE WITH THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI LATEST APPROVED EDITION), AND THE "MANUAL OF STANDARD PRACTICE FOR CONCRETE REINFORCEMENT" BY C.R.S.I.
- 3 ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- 4 DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME SIZE, GRADE, AND SPACING OR NUMBER AS THE VERTICAL REINFORCING, RESPECTIVELY.

OWNER :

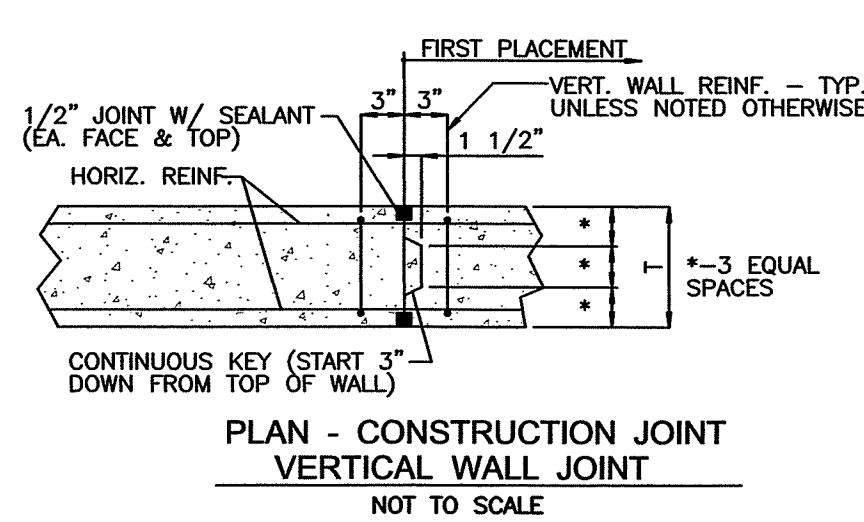
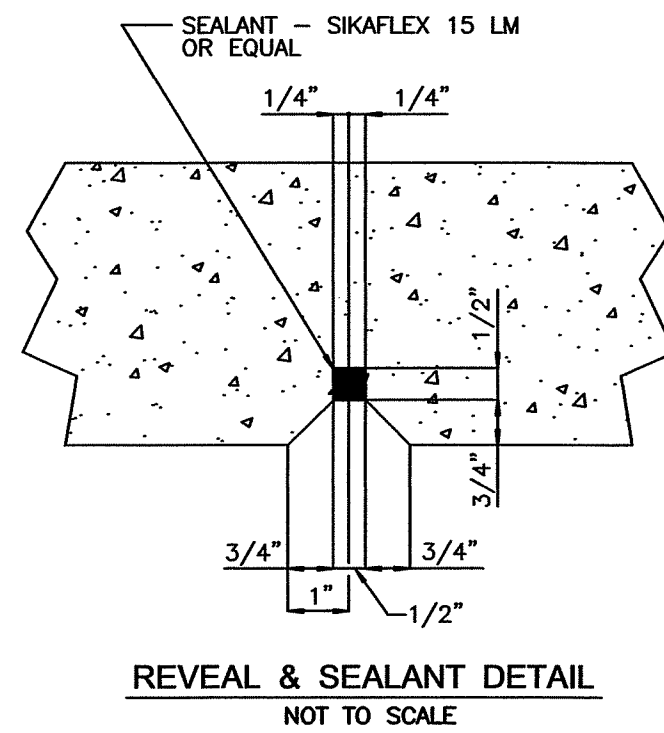
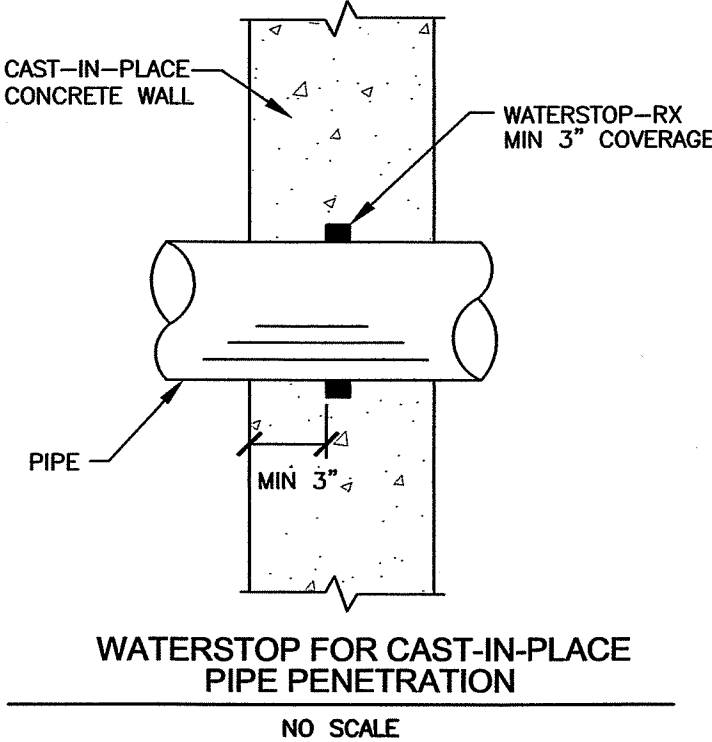
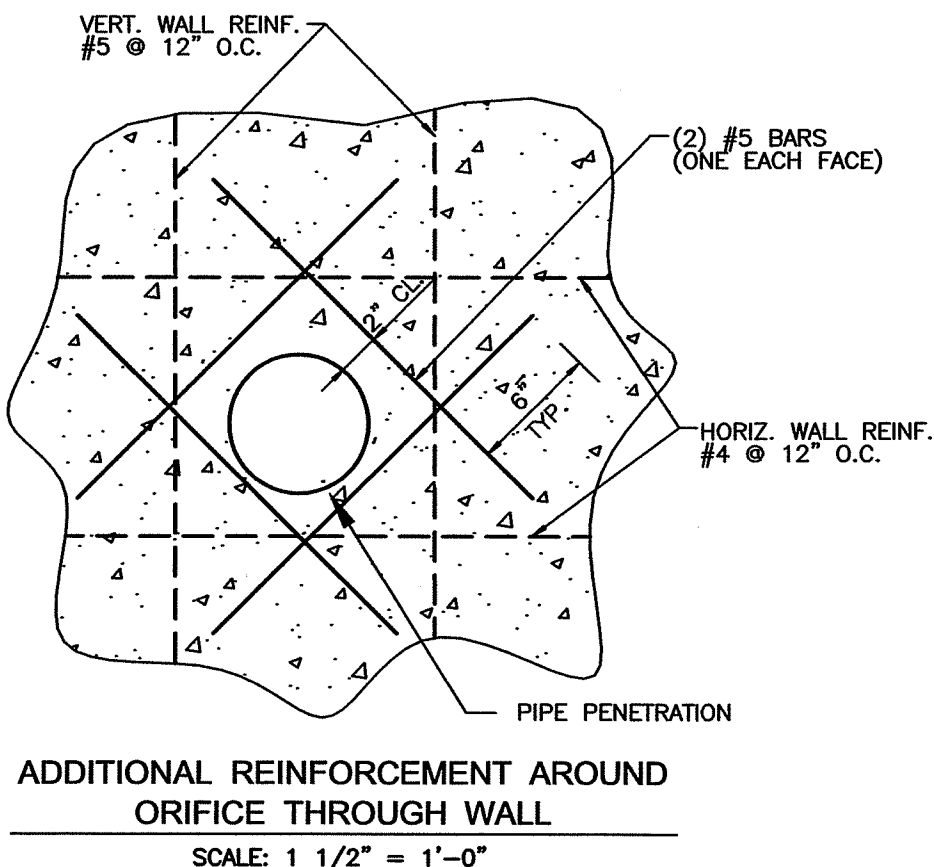
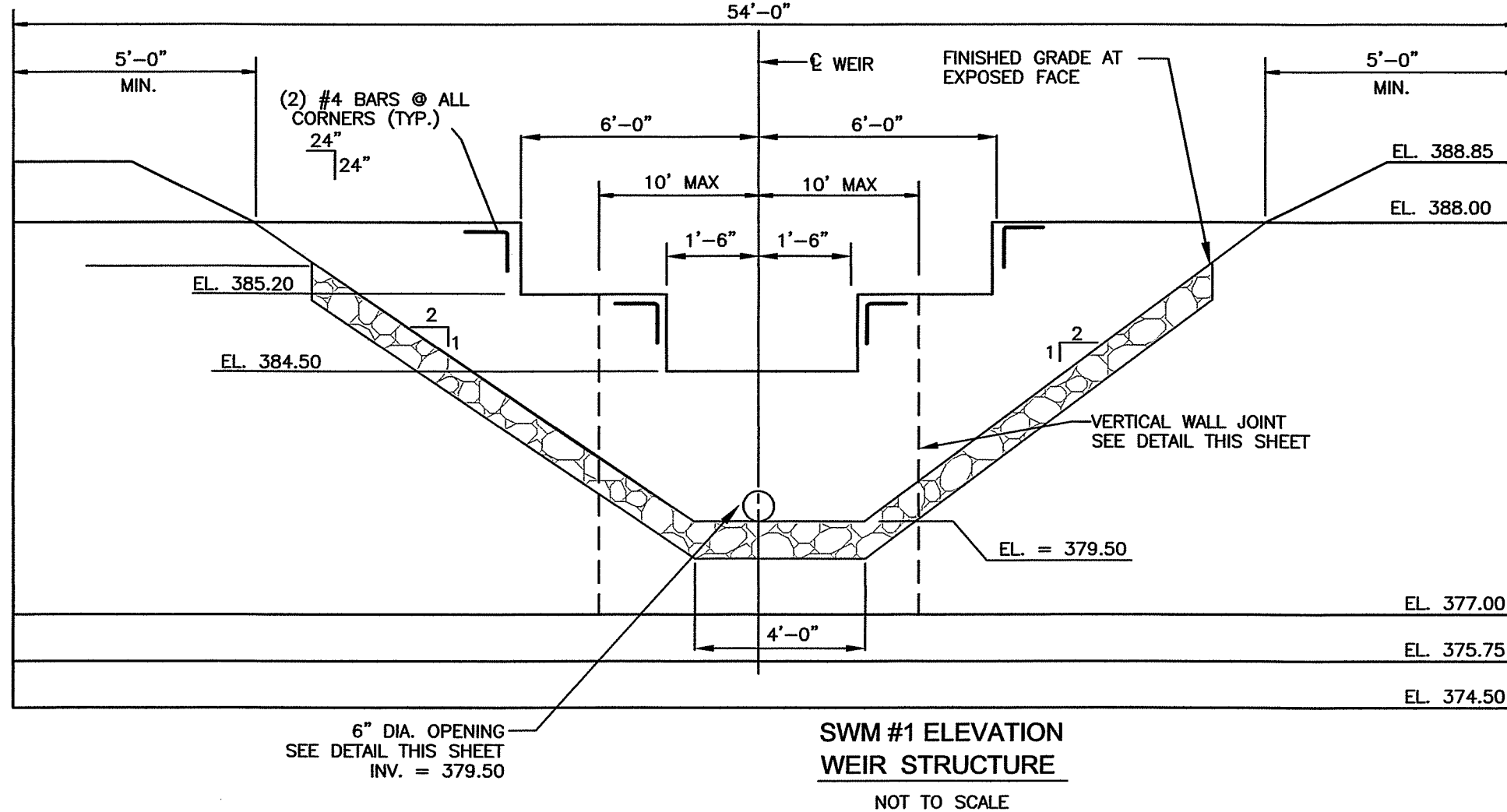
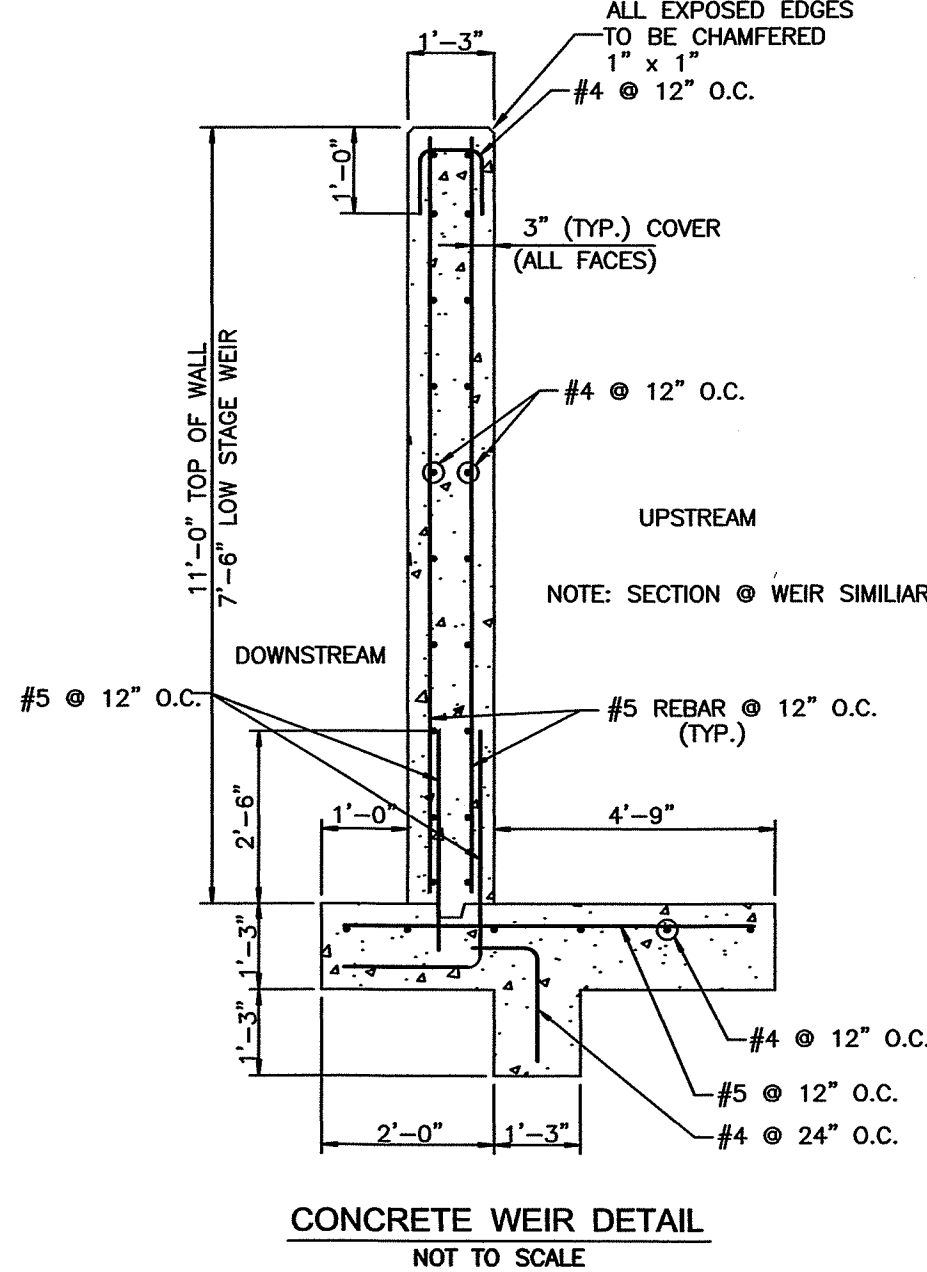
SPT LAND, LLC
1201 OLD NATIONAL PIKE
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DEVELOPER :

M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404

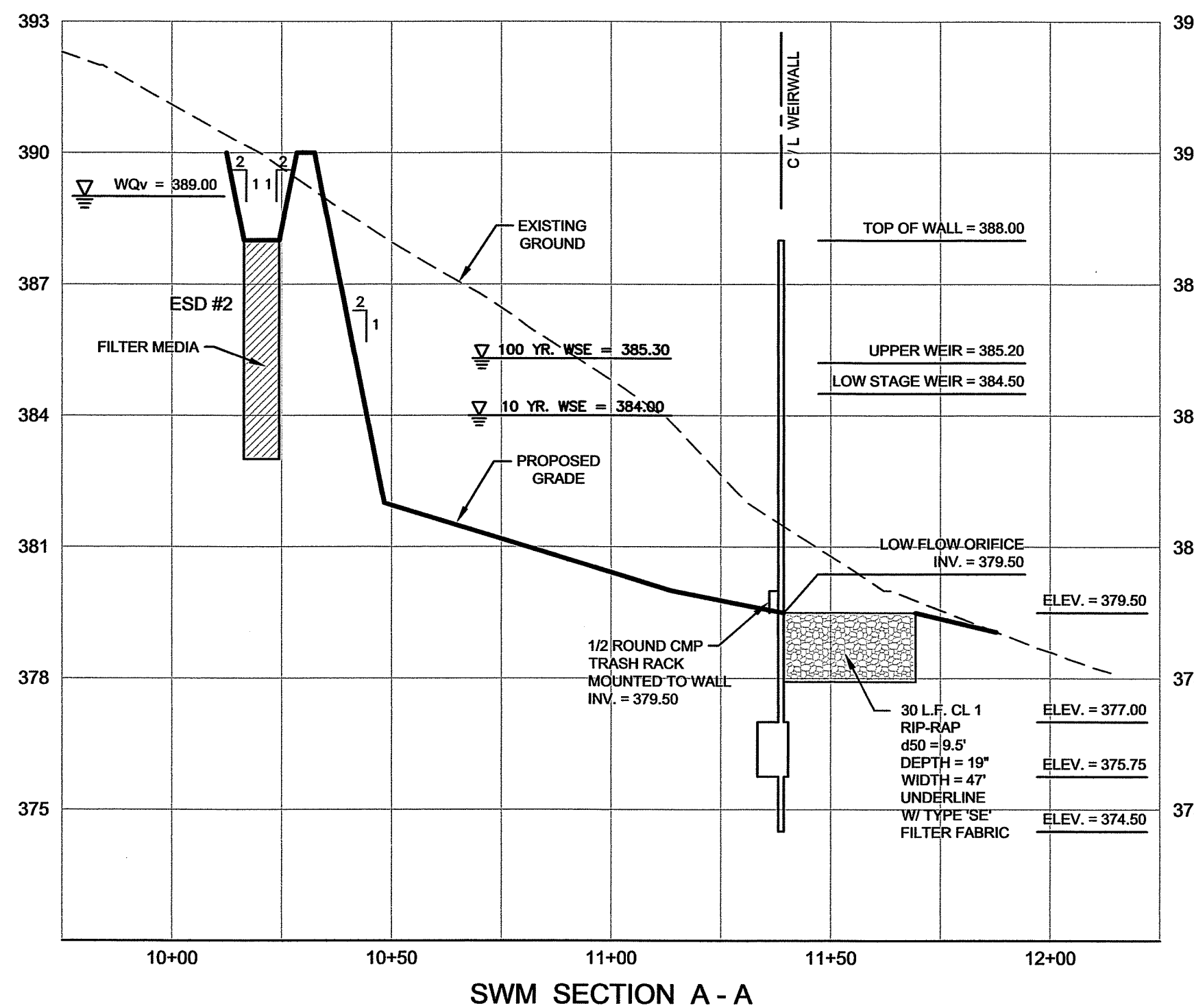
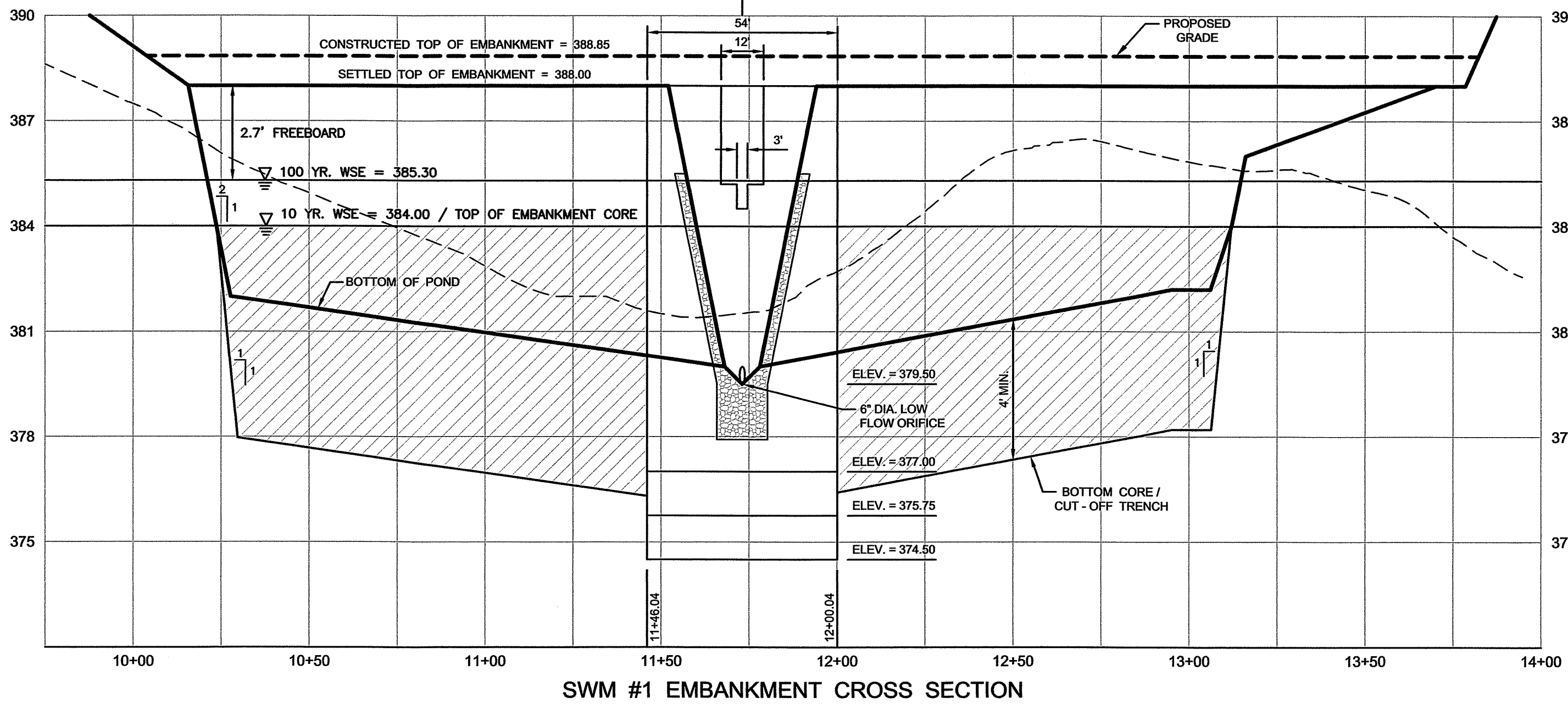
NOTES:

1. CORE TRENCH MATERIALS SHALL CONFORM TO UNIFIED SOIL CLASSIFICATION GC, SC, OH OR CL PER MD-378 SPECIFICATIONS. OFF-SITE BORROW MATERIALS MAY BE NECESSARY TO CONSTRUCT THE CORE TRENCH AS SPECIFIED.
2. ALL EMBANKMENT MATERIALS SHALL BE INSTALLED AND APPROVED BY A GEOTECHNICAL ENGINEER.
3. IN THE EVENT THAT ROCK IS ENCOUNTERED, EXPOSED ROCK SURFACES IN THE BASIN OR EMBANKMENT AREAS MUST BE REMOVED.
4. THE EMBANKMENT FILL SUBGRADES SHOULD BE STRIPPED OF TOPSOIL AND ANY DISTURBED SOILS. THE SUBGRADES SHALL BE PROOF ROLLED UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER'S REPRESENTATIVE. ADDITIONAL SOFT OR UNSUITABLE SOILS SHOULD BE REMOVED AND REPLACED WITH COMPACTED FILL. ADDITIONAL UNDERCUTTING OF EXISTING SITE SOILS THAT ARE DISTURBED OR EXPOSED TO WATER SHOULD BE EXPECTED.



APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER DATE



I HEREBY CERTIFY THAT THESE DOCUMENTS
WERE PREPARED OR APPROVED BY ME, AND THAT
I AM A FULLY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO. 18-31407
PROJECT NO. 18-31407
DRAWING NO. D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

STORMWATER MANAGEMENT PROFILES
RUTTER'S STORE #84

SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: AS SHOWN

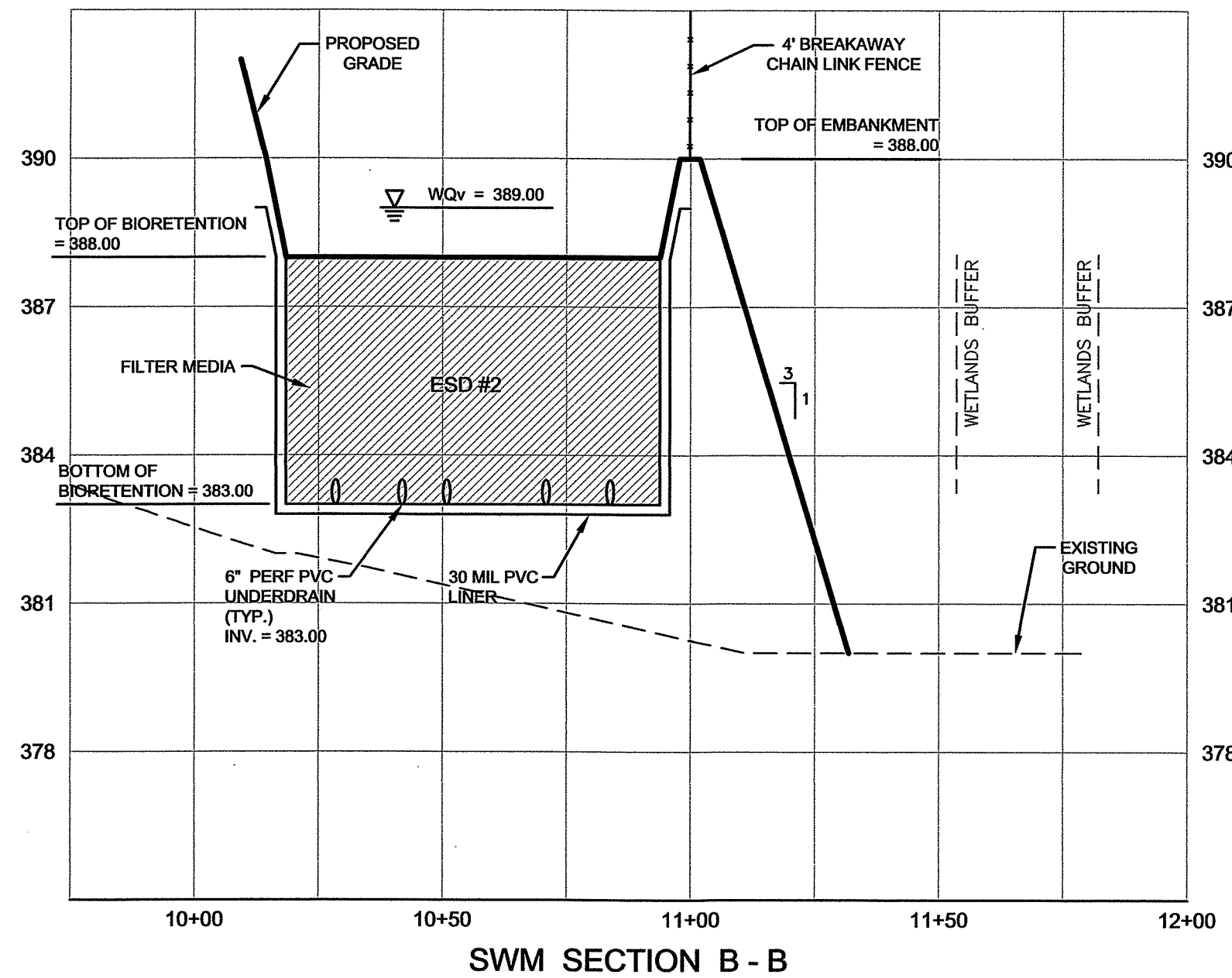
PROFESSIONAL CERTIFICATION



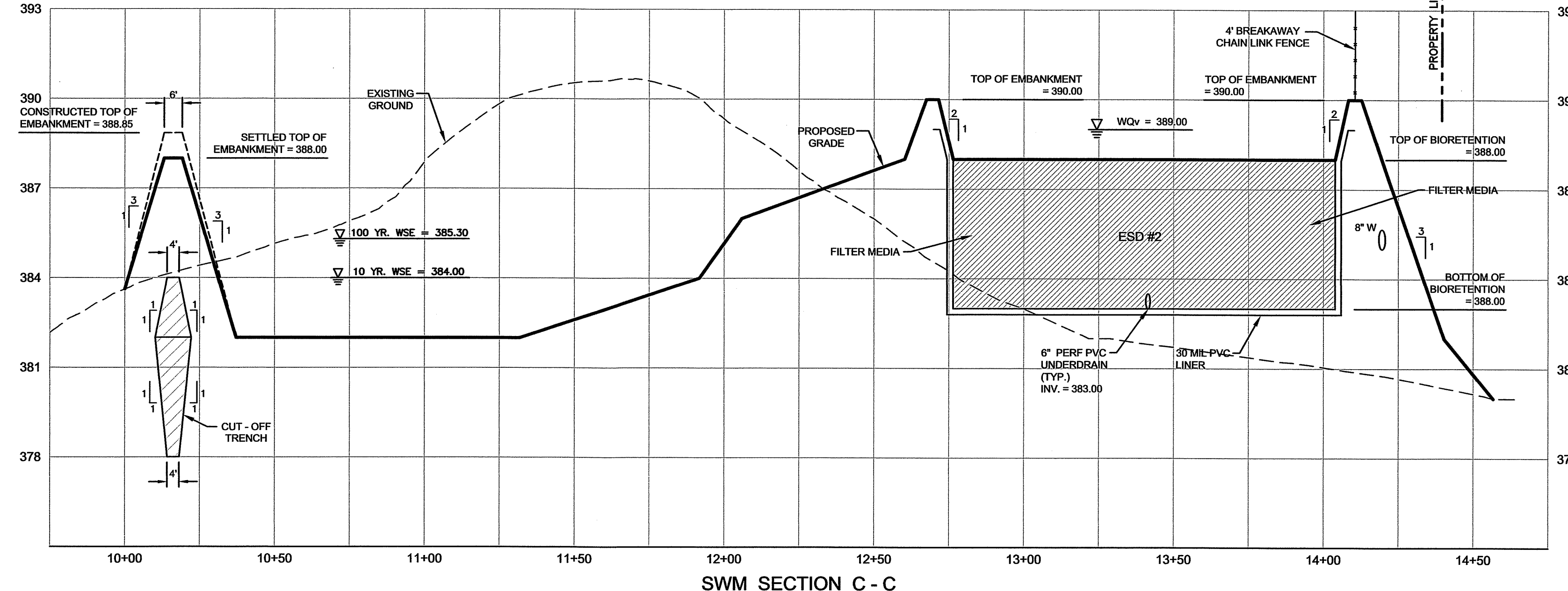
I HEREBY CERTIFY THAT THESE DOCUMENTS
WERE PREPARED OR APPROVED BY ME, AND THAT
I AM A DULY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 30709 EXP. DATE 7/13/20

PROJECT NO. 18-31407
DRAWING NO. D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

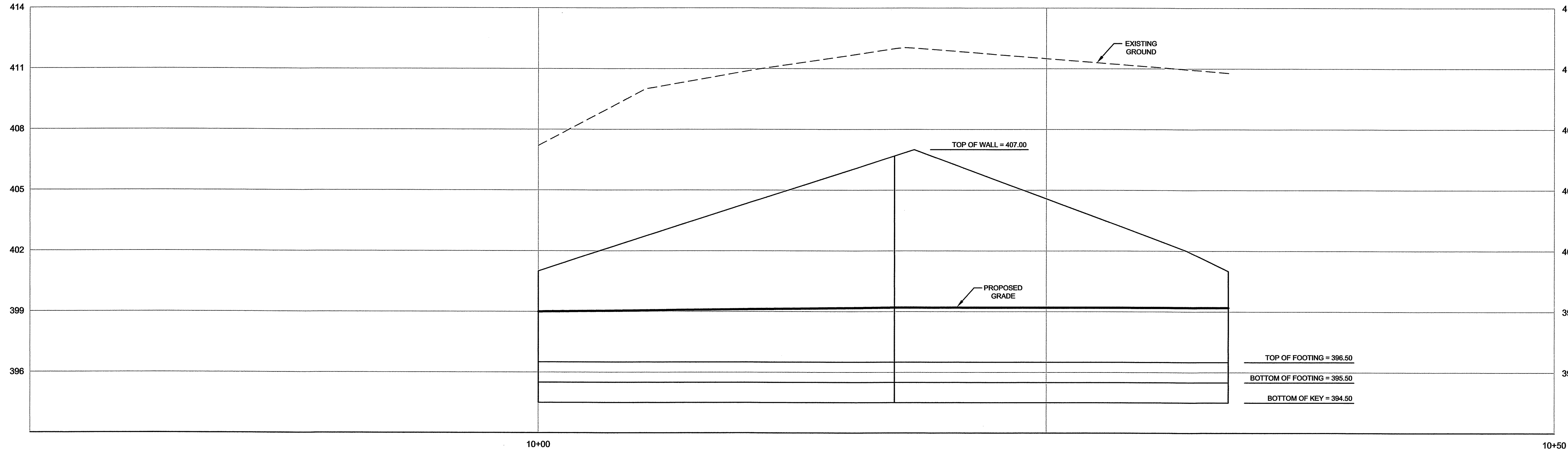
SHEET 25 OF 35



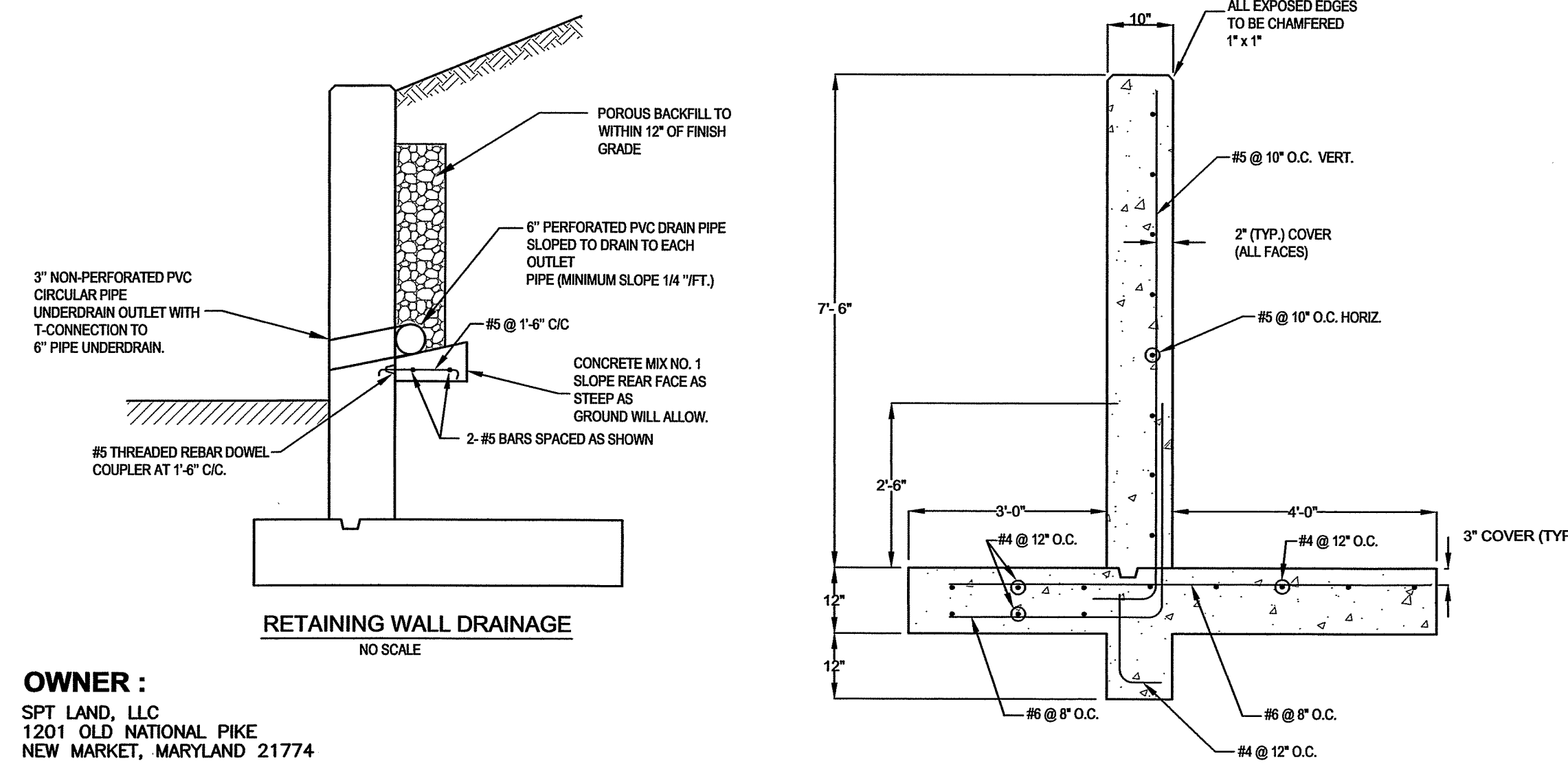
SWM SECTION B - B



SWM SECTION C - C

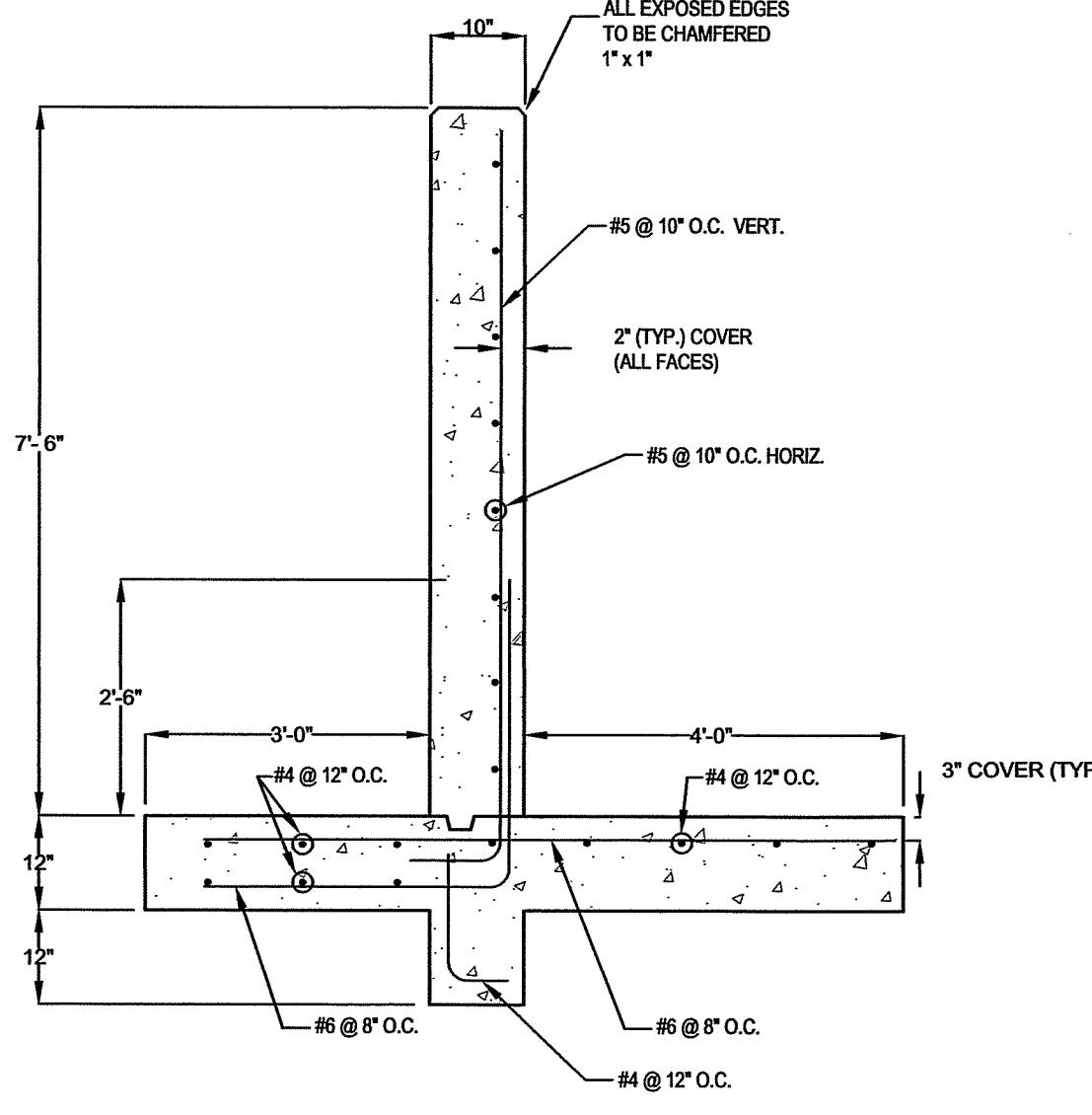


PROFILE
SCALE: HORIZ. - 1" = 3'
VERT. - 1" = 3'

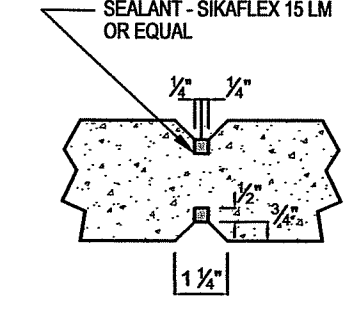


OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

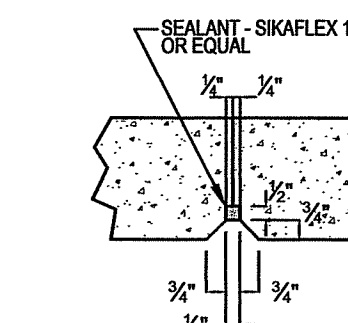
DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404



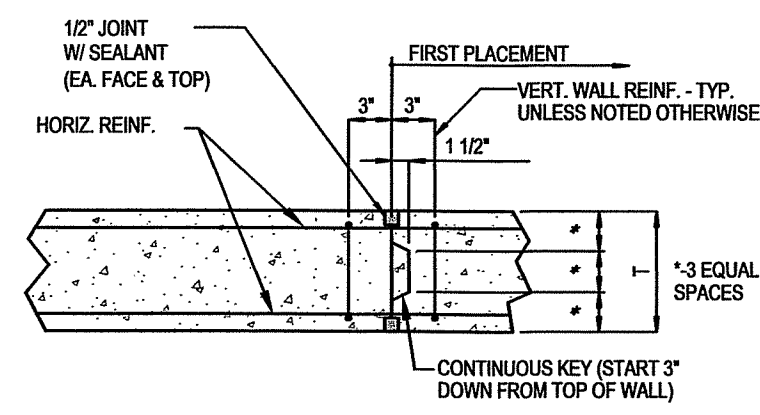
CONCRETE RETAINING WALL
SCALE: 1/2" = 1'



CONTROL JOINT DETAIL
NOT TO SCALE

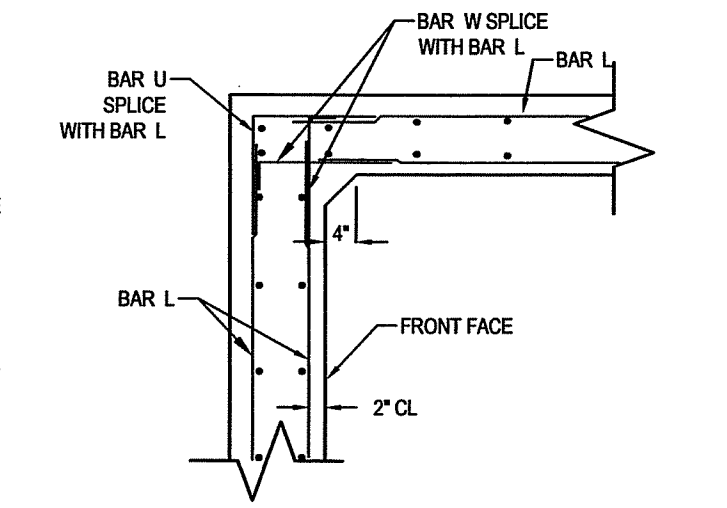


REVEAL & SEALANT DETAIL
NOT TO SCALE



PLAN - CONSTRUCTION JOINT
VERTICAL WALL JOINT
NOT TO SCALE

BILL OF REINFORCEMENT - CORNER DETAIL		
BAR	LENGTH	SHAPE
W	6'-4"	
U	8'-8"	



INSIDE CORNER DETAIL - PLAN VIEW
NOT TO SCALE

APPROVED BY:
TOWN OF EMMITSBURG
TOWN MANAGER _____ DATE _____

FREDERICK COUNTY, MARYLAND
DEVELOPMENT REVIEW ENGINEERING

APPROVED: _____ Date _____
Development Review Chief

APPROVED: _____ Date _____
Stormwater Management

Reviewed in accordance with local County requirements. Frederick County assumes no liability for design and/or construction. Approval is valid for two (2) years after last date shown above. The project must be under construction before the approval expiration to be considered active. Otherwise, resubmission of plans, including applicable fees, must be made to Development Review for reapproval. Fees for resubmission cannot be waived.

REV. #	DATE	REVISION DESCRIPTION <small>*FILL IN THESE BLOCKS FOR REVISIONS ONLY</small>	CONSULTANT: DATE AND INITIAL	DEV. REVIEW: DATE AND INITIAL

STORM DRAIN PROFILES
RUTTER'S STORE #84

SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

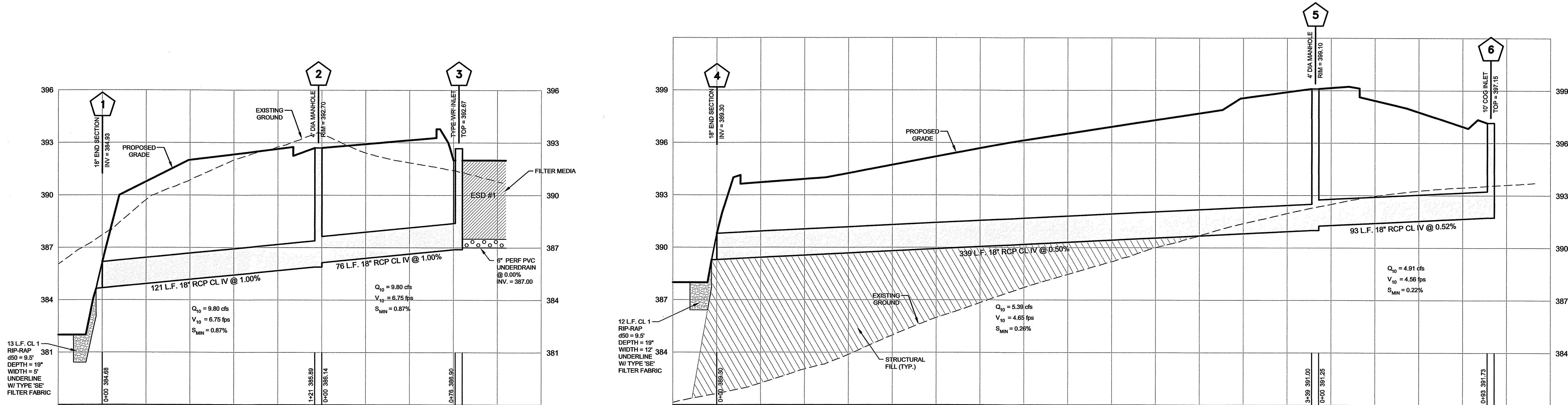
SCALE: AS SHOWN

PROFESSIONAL CERTIFICATION

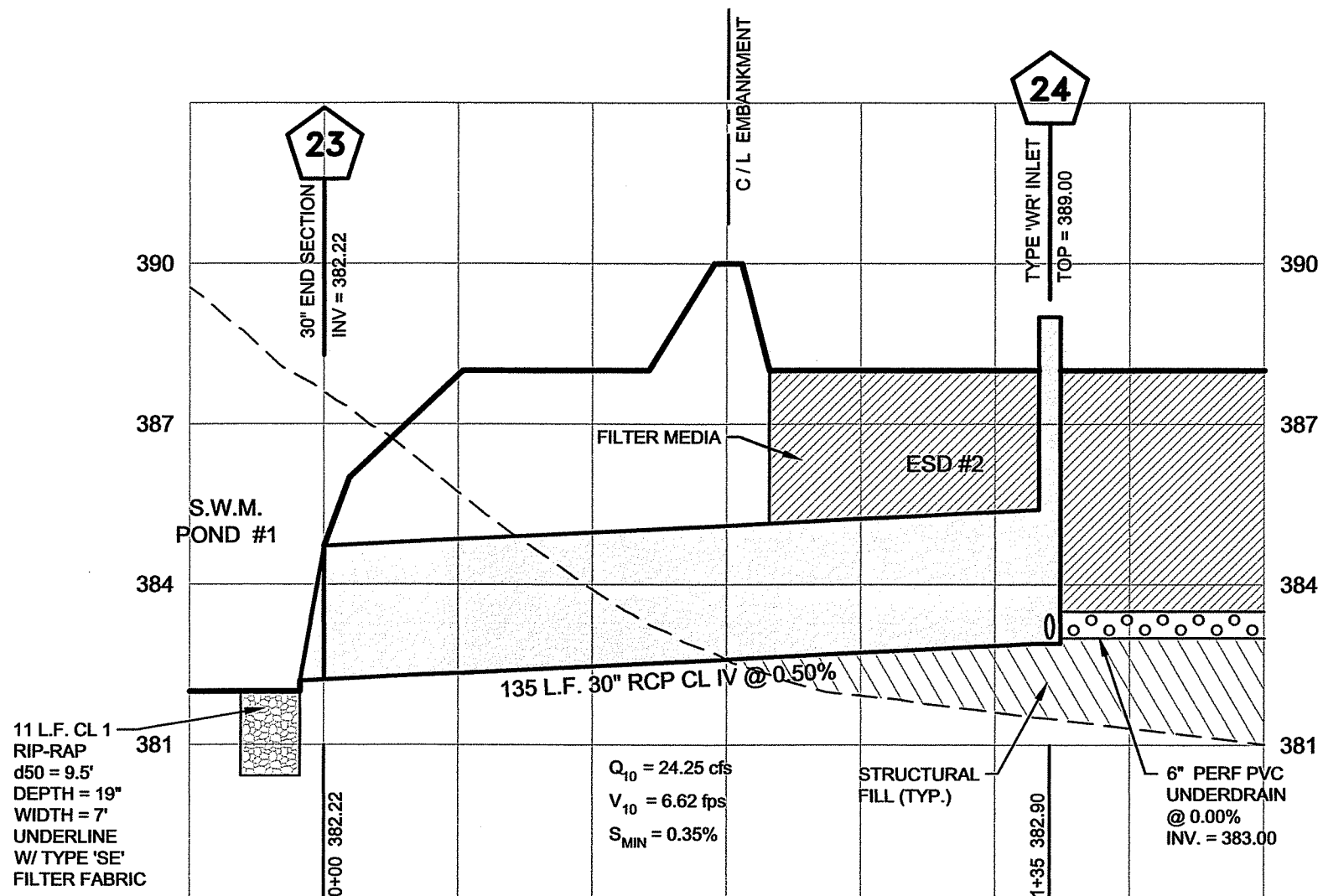
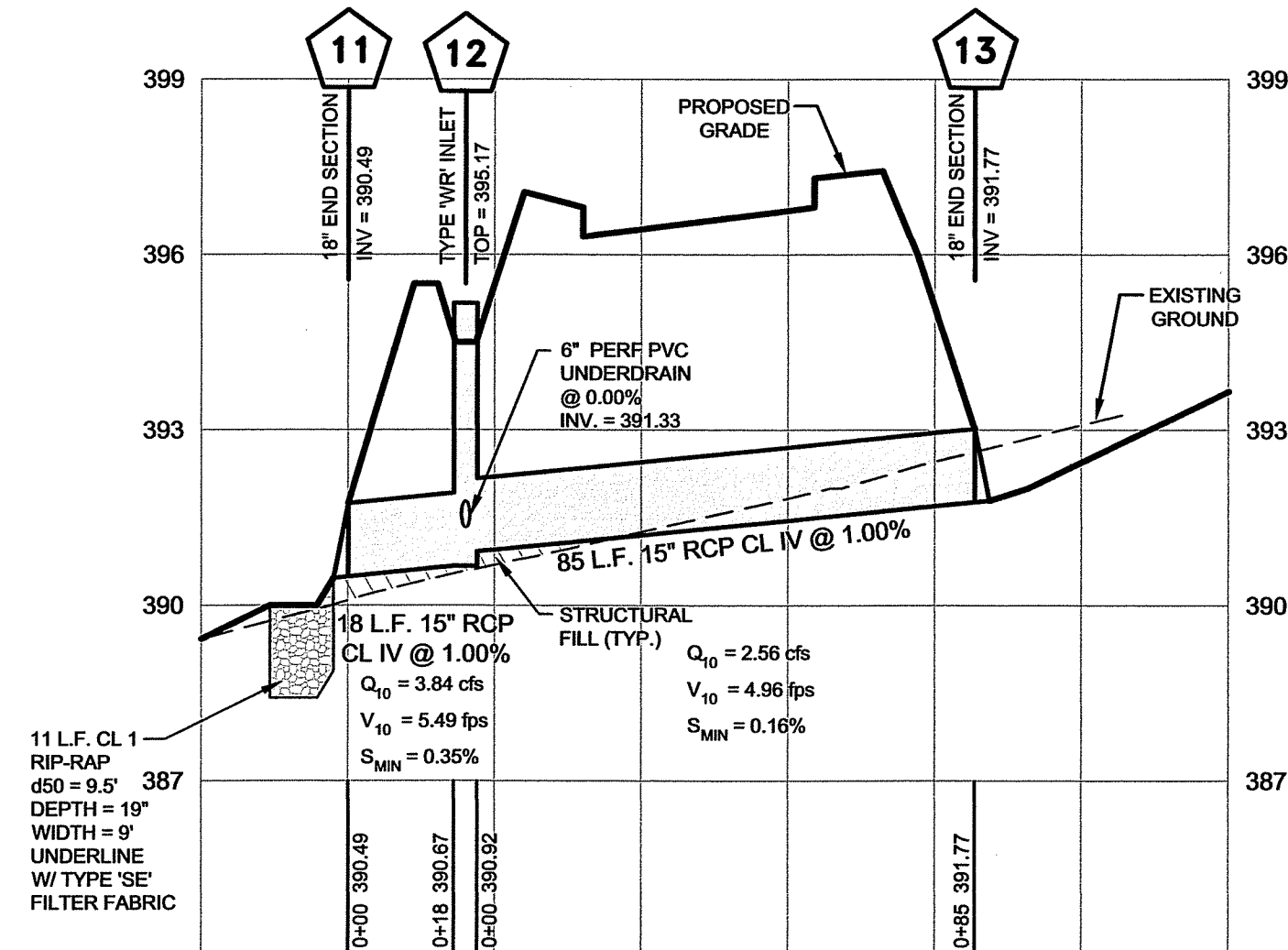
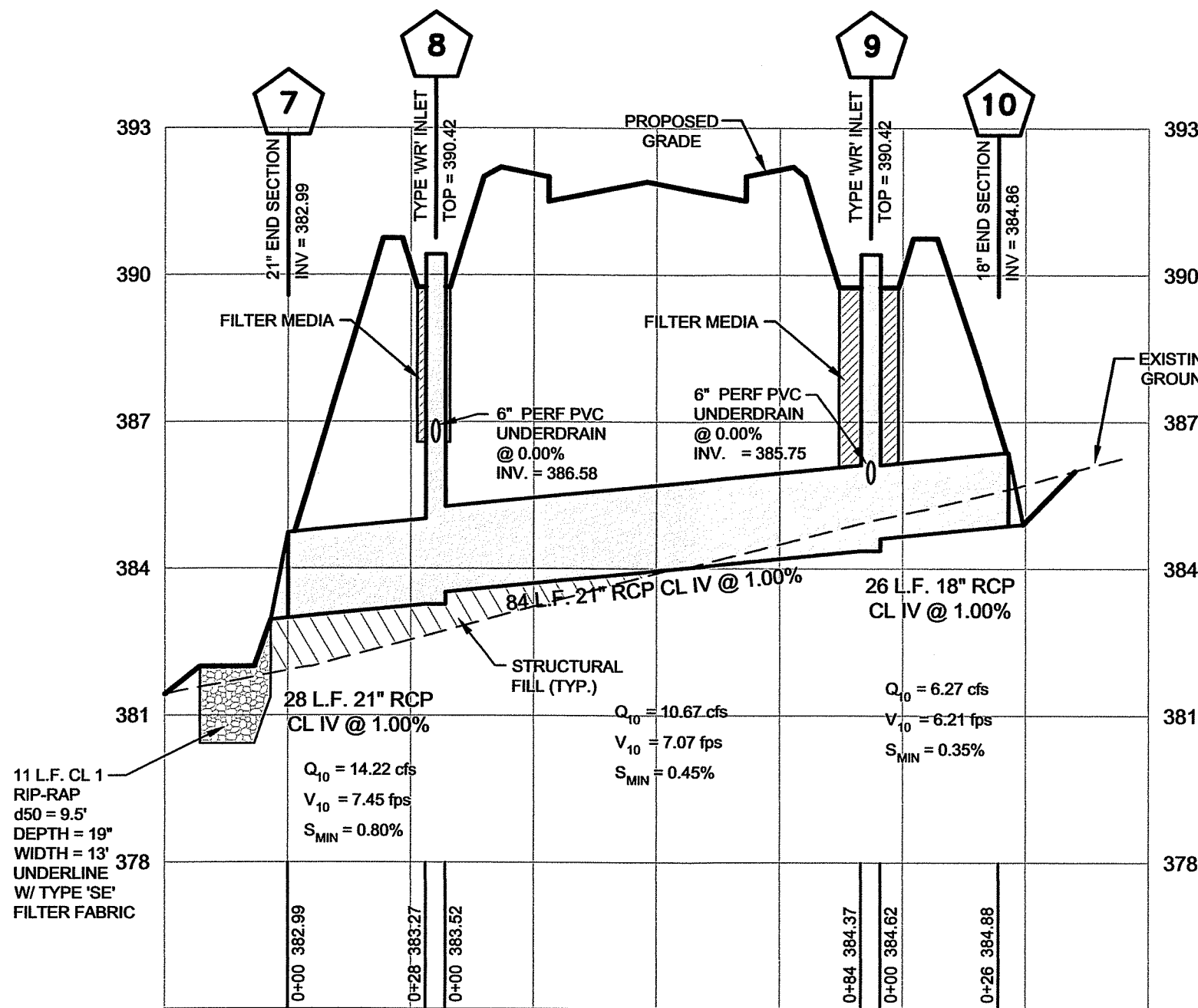


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UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO.: 90709 EXP. DATE: 7/12/20
PROJECT NO.: 18-31407
DRAWING NO.: D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 28 OF 35

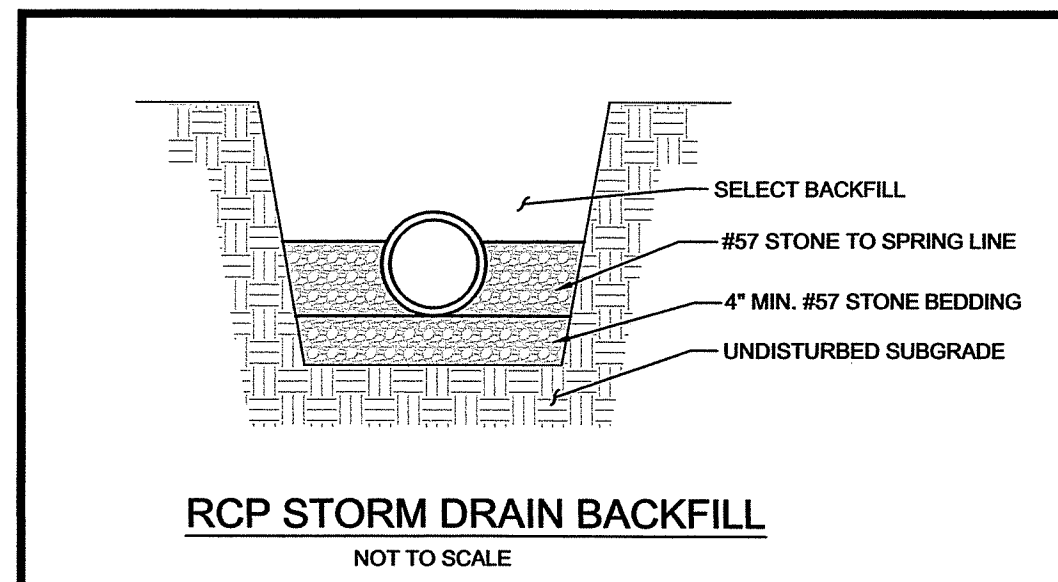


PROFILE
SCALE: HORIZ. - 1" = 30'
VERT. - 1" = 3'



STRUCTURE SCHEDULE					
No.	TYPE	CL STATION **	CL OFFSET ***	* ELEVATION	REMARKS
1	18" RCP END SECTION	N740725.5144	E1224419.6711	384.64 (INV)	MSHA STD. MD-368.01
2	48" DIA. MANHOLE	N740837.6880	E1224470.1297	392.70 (RIM)	MSHA STD. MD-384.01
3	TYPE "WR" INLET	N740900.4785	E1224420.5581	392.67 (GRATE)	MSHA STD. MD-374.06
4	18" RCP END SECTION	N740610.8606	E1224733.9599	389.26 (INV)	MSHA STD. MD-368.01
5	48" DIA. MANHOLE	N740914.2176	E1224889.6534	399.10 (RIM)	MSHA STD. MD-384.01
6	10" COS INLET	U N740991.4490 L N741001.4693	E1224943.7488 E1224948.2869	397.15 (TOP) 397.15 (TOP)	MSHA STD. MD-374.61
7	21" RCP END SECTION	N740613.9734	E1225029.0857	382.95 (INV)	MSHA STD. MD-368.01
8	TYPE "WR" INLET	N740643.9723	E1225029.3361	390.42 (GRATE)	MSHA STD. MD-374.06
9	TYPE "WR" INLET	N740732.4285	E1225030.5152	390.42 (GRATE)	MSHA STD. MD-374.06
10	18" RCP END SECTION	N740757.3905	E1225037.6577	384.90 (INV)	MSHA STD. MD-368.01
11	15" RCP END SECTION	N740933.8304	E1225087.5354	390.46 (INV)	MSHA STD. MD-368.01
12	TYPE "WR" INLET	N740953.5106	E1225091.0977	395.17 (GRATE)	MSHA STD. MD-374.06
13	15" RCP END SECTION	N741024.1506	E1225141.5454	391.80 (INV)	MSHA STD. MD-368.01
14	10" CURB OPENING	U N740686.1965 L N740690.7346	E1224600.2177 E1224590.1974	392.09 (TOP) 391.98 (TOP)	MSHA STD. MD-374.68
15	10" CURB OPENING	U N740640.8154 L N740645.3535	E1224700.4203 E1224690.4000	393.19 (TOP) 393.08 (TOP)	MSHA STD. MD-374.68
16	10" CURB OPENING	U 16+34.33 L 16+34.33	20'L 20'L	393.29 (TOP) 393.12 (TOP)	MSHA STD. MD-374.68
17	10" CURB OPENING	U 15+17.83 L 15+17.83	20'L 20'L	391.57 (TOP) 391.57 (TOP)	MSHA STD. MD-374.68
18	10" CURB OPENING	U 15+18.72 L 15+18.72	20'R 20'R	391.73 (TOP) 391.73 (TOP)	MSHA STD. MD-374.68
19	10" CURB OPENING	U 13+05.65 L 14+05.08	20'L 20'L	393.05 (TOP) 392.93 (TOP)	MSHA STD. MD-374.68
20	10" CURB OPENING	U 13+03.74 L 14+05.95	20'R 20'R	393.08 (TOP) 392.90 (TOP)	MSHA STD. MD-374.68
21	10" CURB OPENING	U 12+15.78 L 12+26.78	18'R 18'R	396.28 (TOP) 396.14 (TOP)	MSHA STD. MD-374.68
22	10" CURB OPENING	U 10+92.52 L 11+03.52	9'L 9'L	400.94 (TOP) 400.35 (TOP)	MSHA STD. MD-374.69
23	30" RCP END SECTION	N740634.1586	E1224544.0325	382.22 (INV)	MSHA STD. MD-368.01
24	TYPE "WR" INLET	N740597.0760	E1224673.9139	389.00 (GRATE)	MSHA STD. MD-374.06

* ELEV. GIVEN TO TOP OF CURB UNLESS OTHERWISE NOTED ** CL STA. GIVEN TO CL OF STRUCTURE
*** CL OFFSET GIVEN TO FACE OF CURB AT STRUCTURE **** TOTAL WIDTH GIVEN INCLUDES 4" LIP (SEE MD-374.68)



PIPE SCHEDULE			
SIZE	TYPE	CLASS	LENGTH
15"	RCP	IV	103
18"	RCP	IV	655
21"	RCP	IV	112
30"	RCP	IV	135

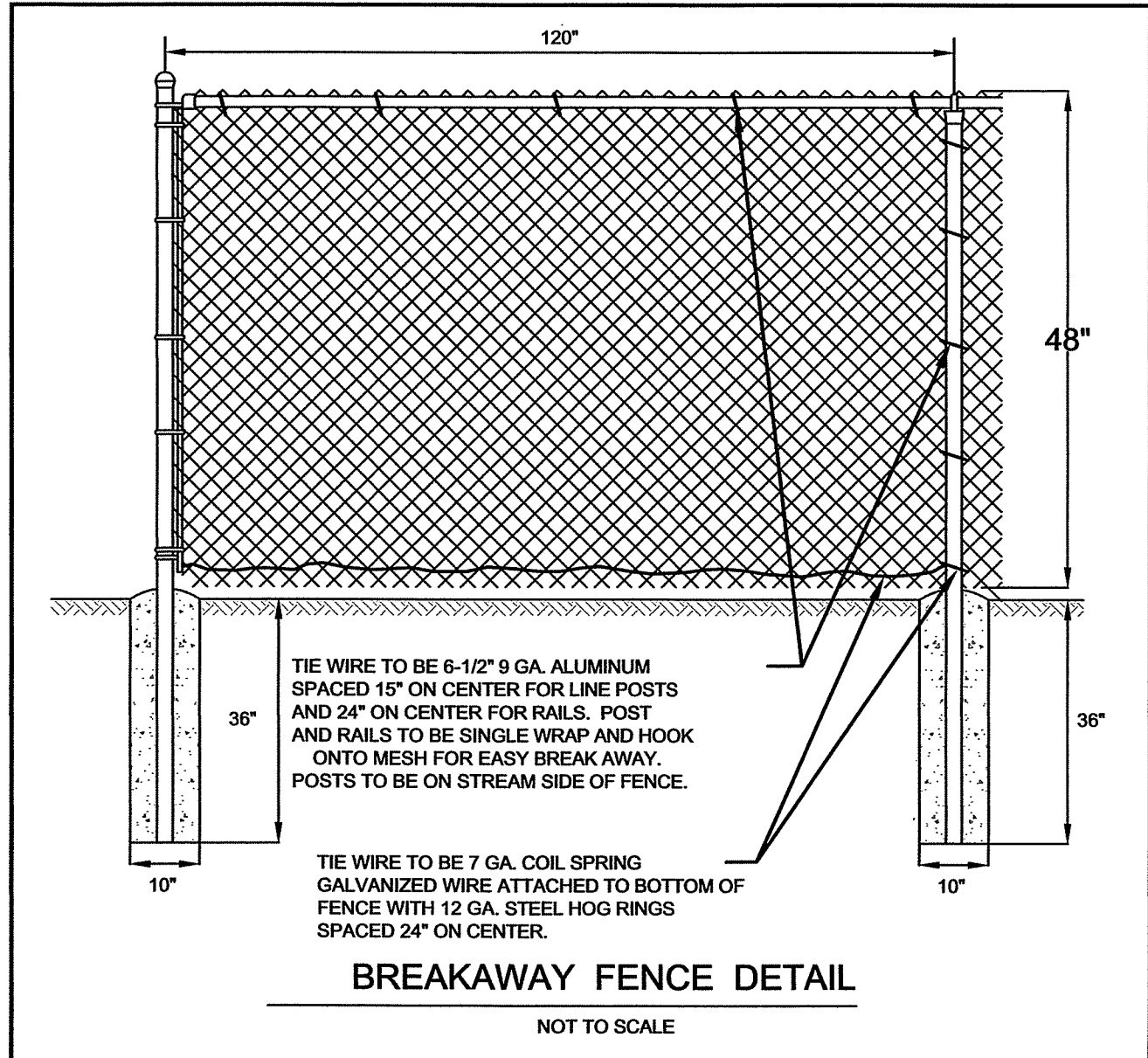
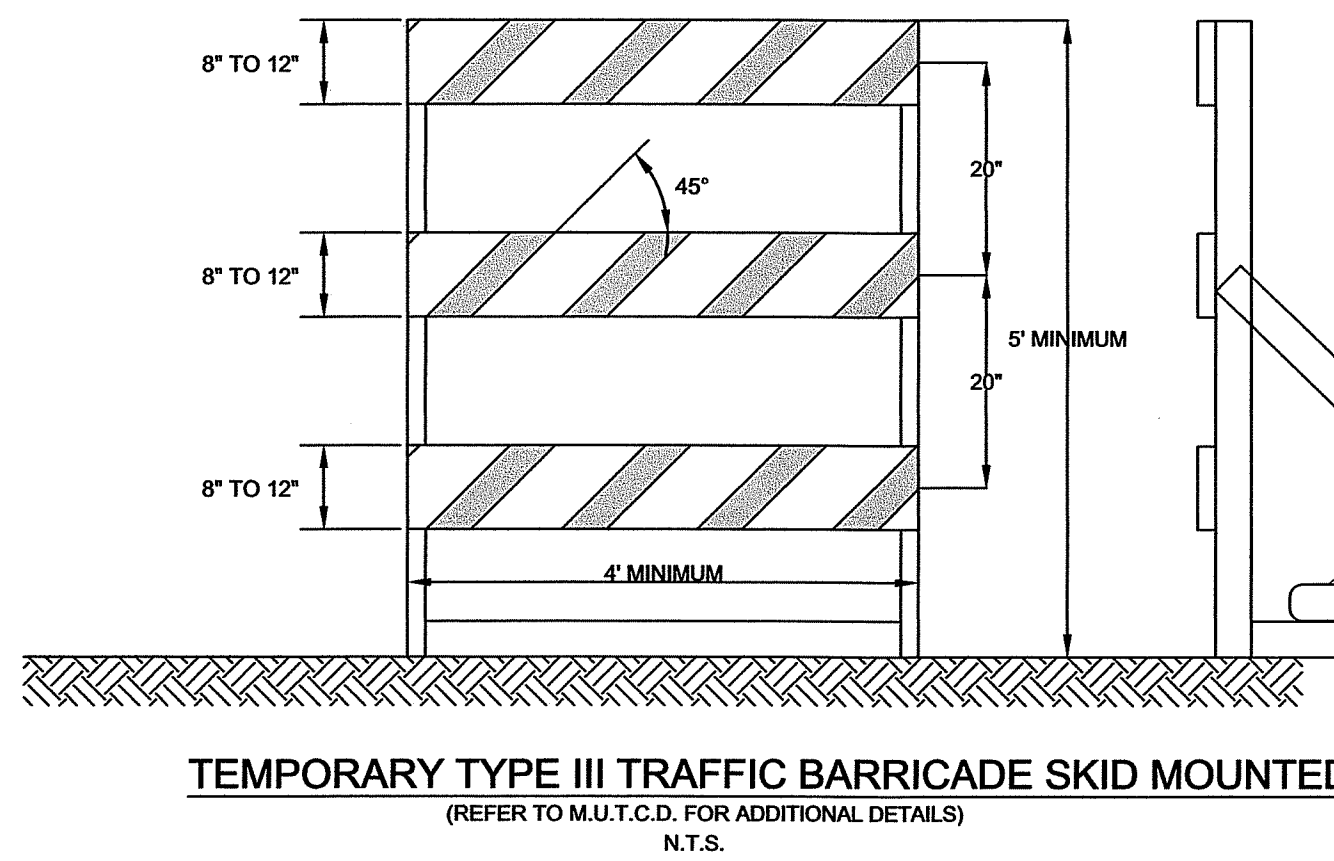
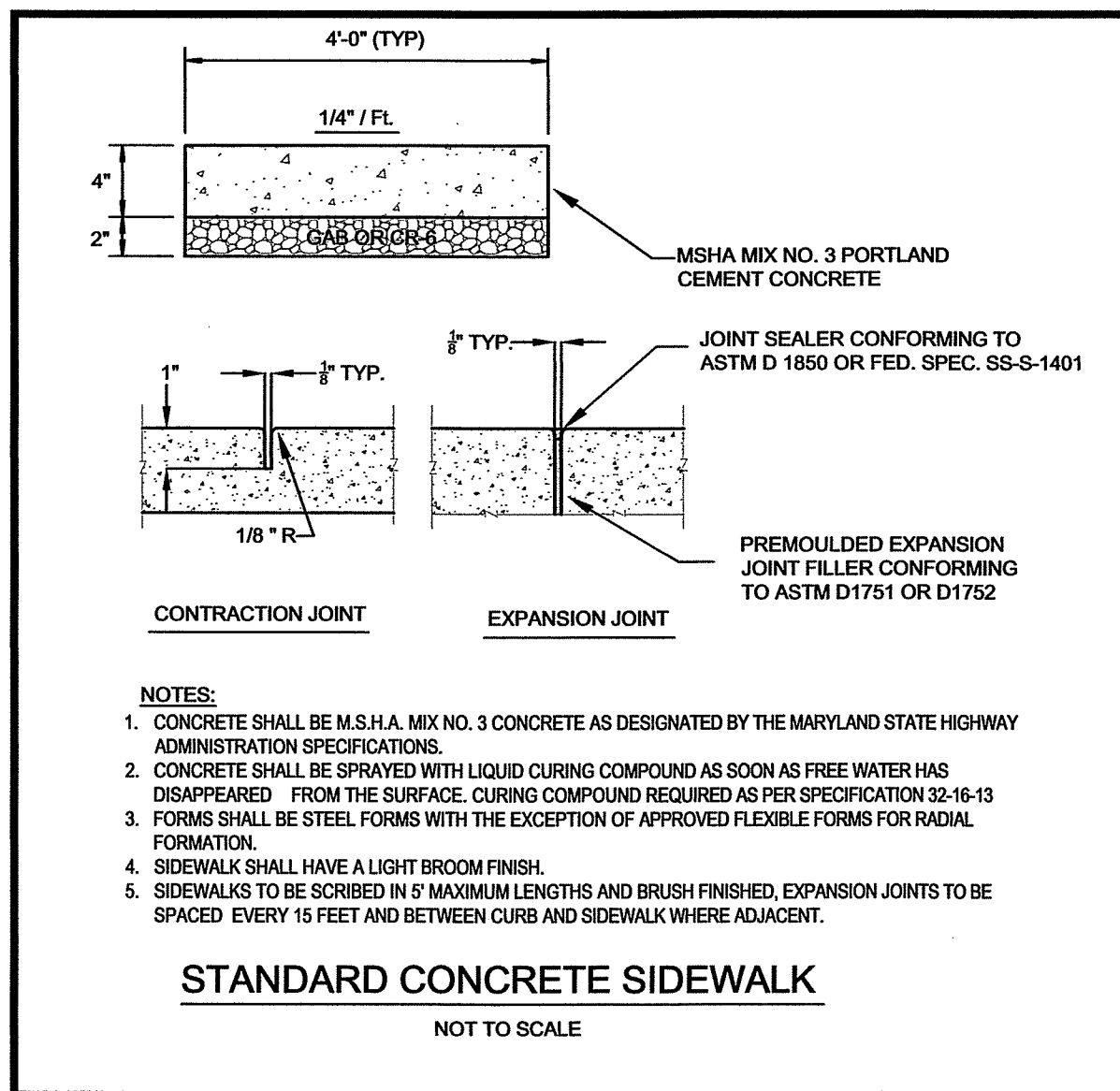
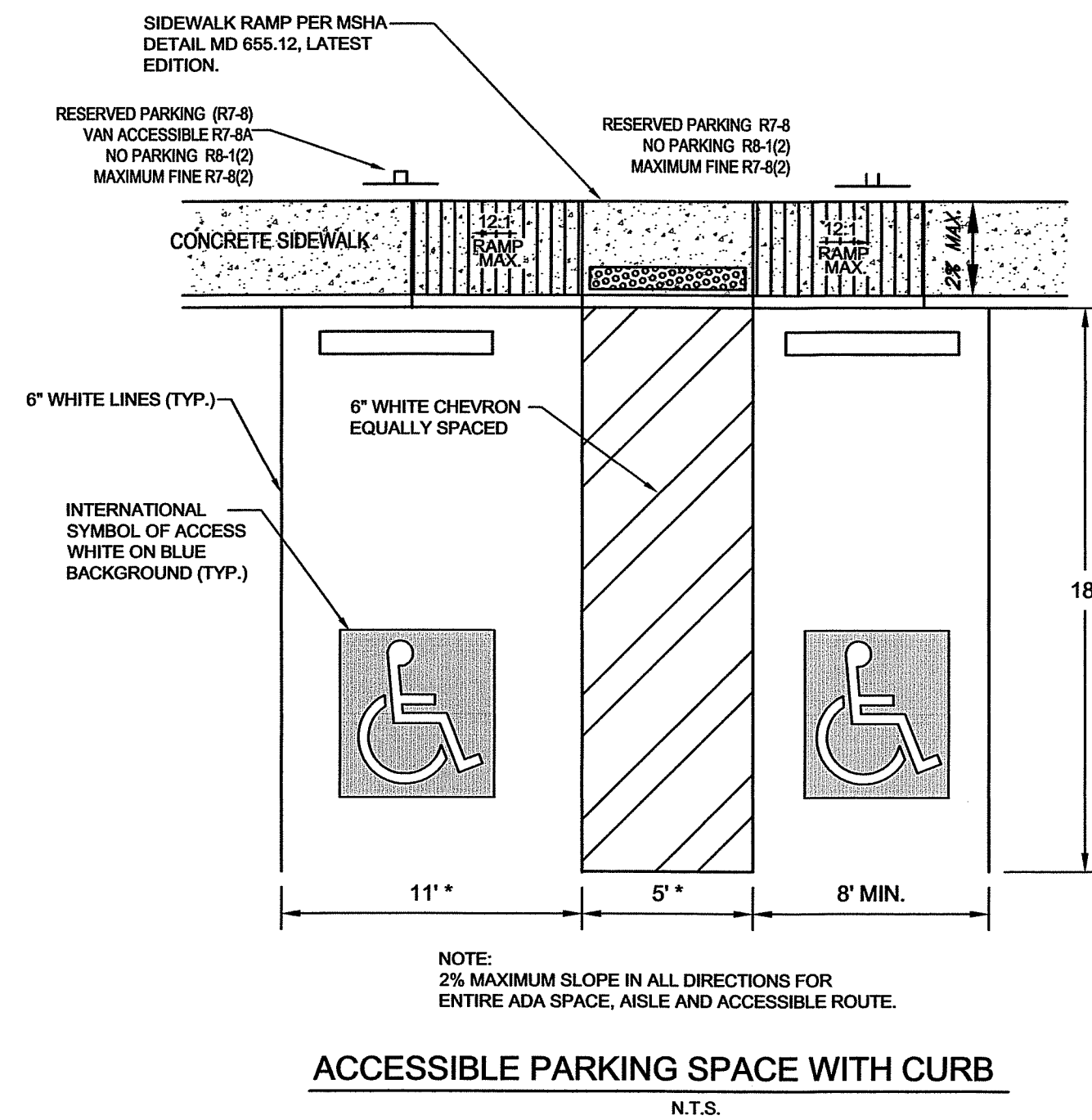
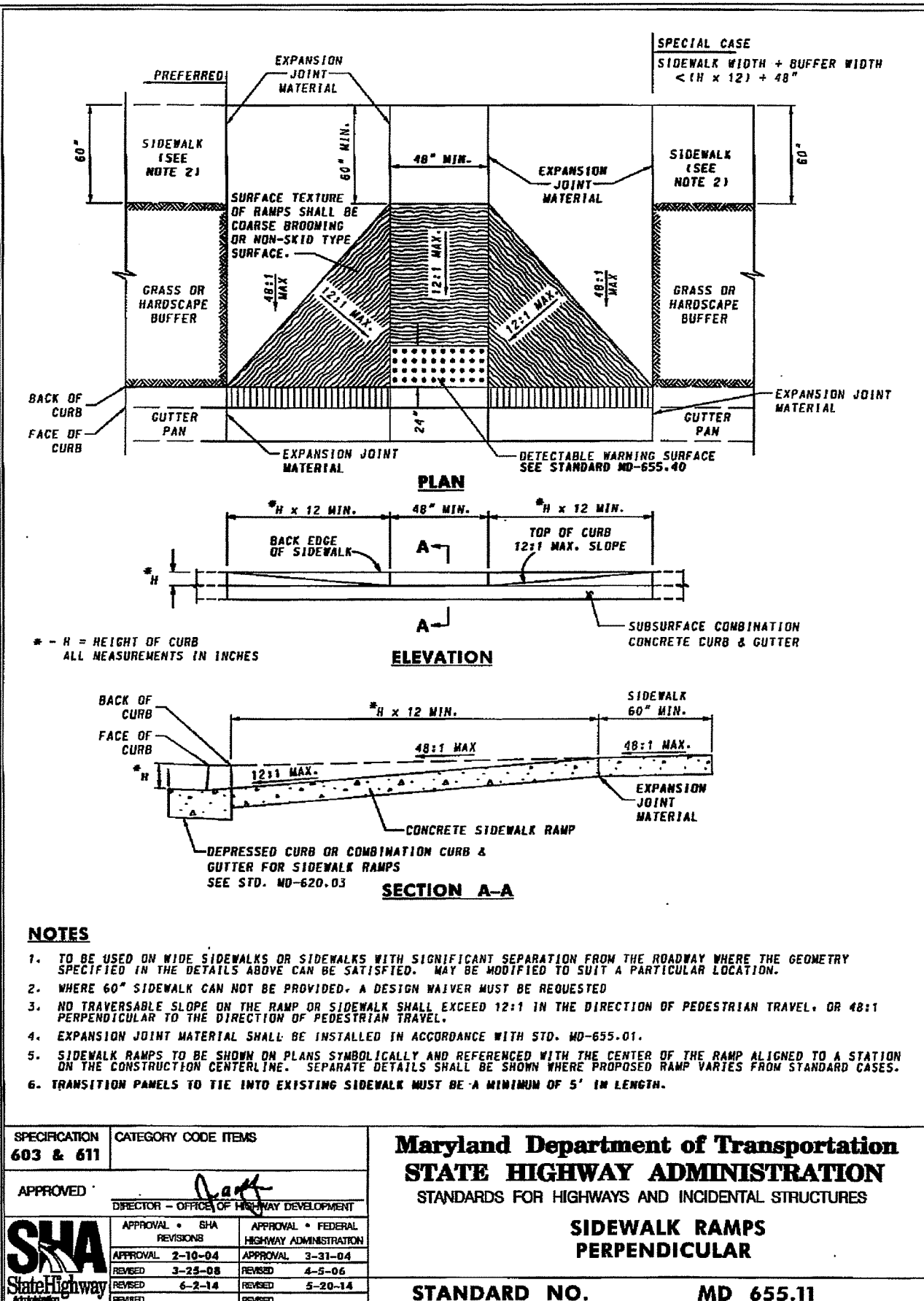
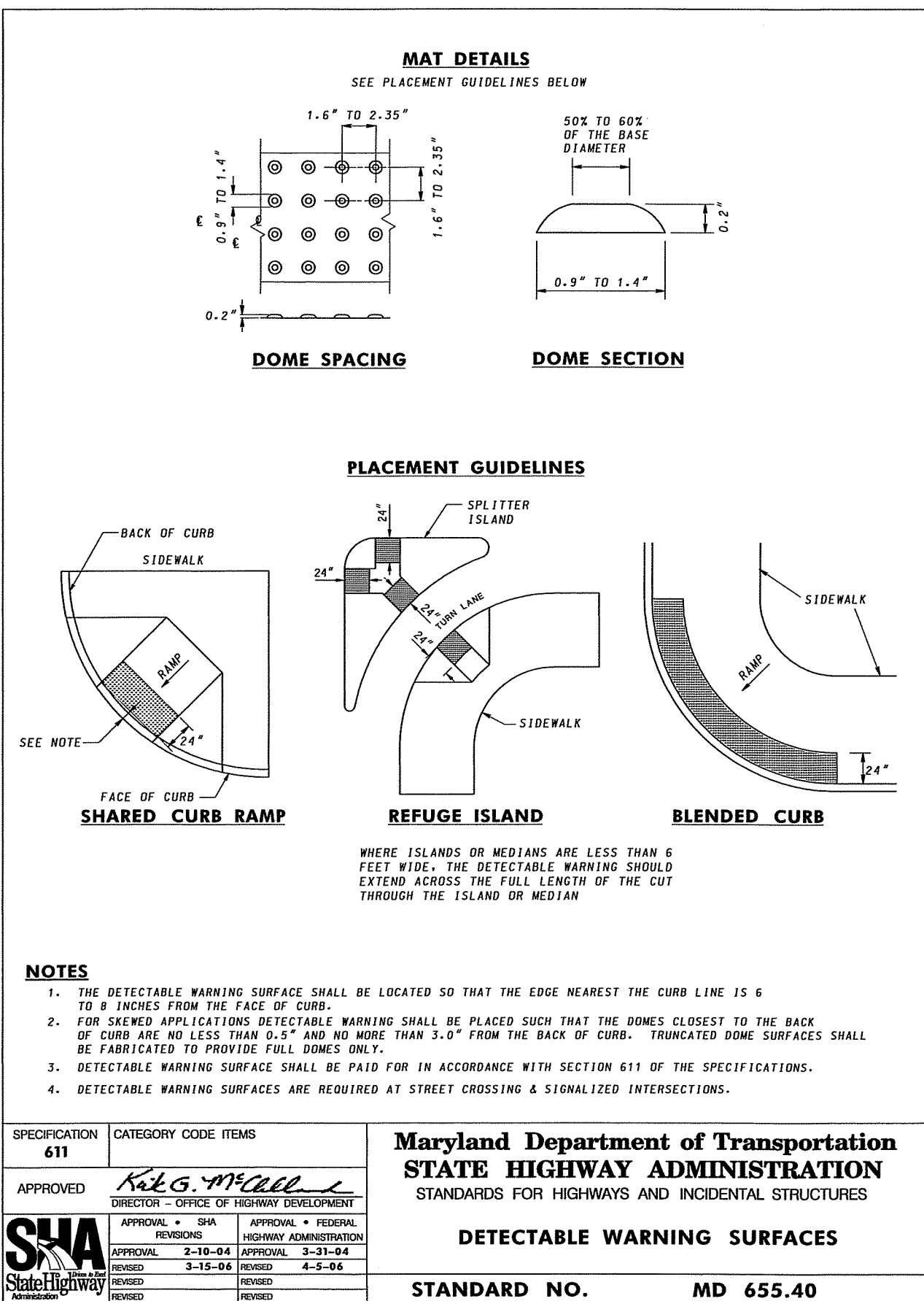
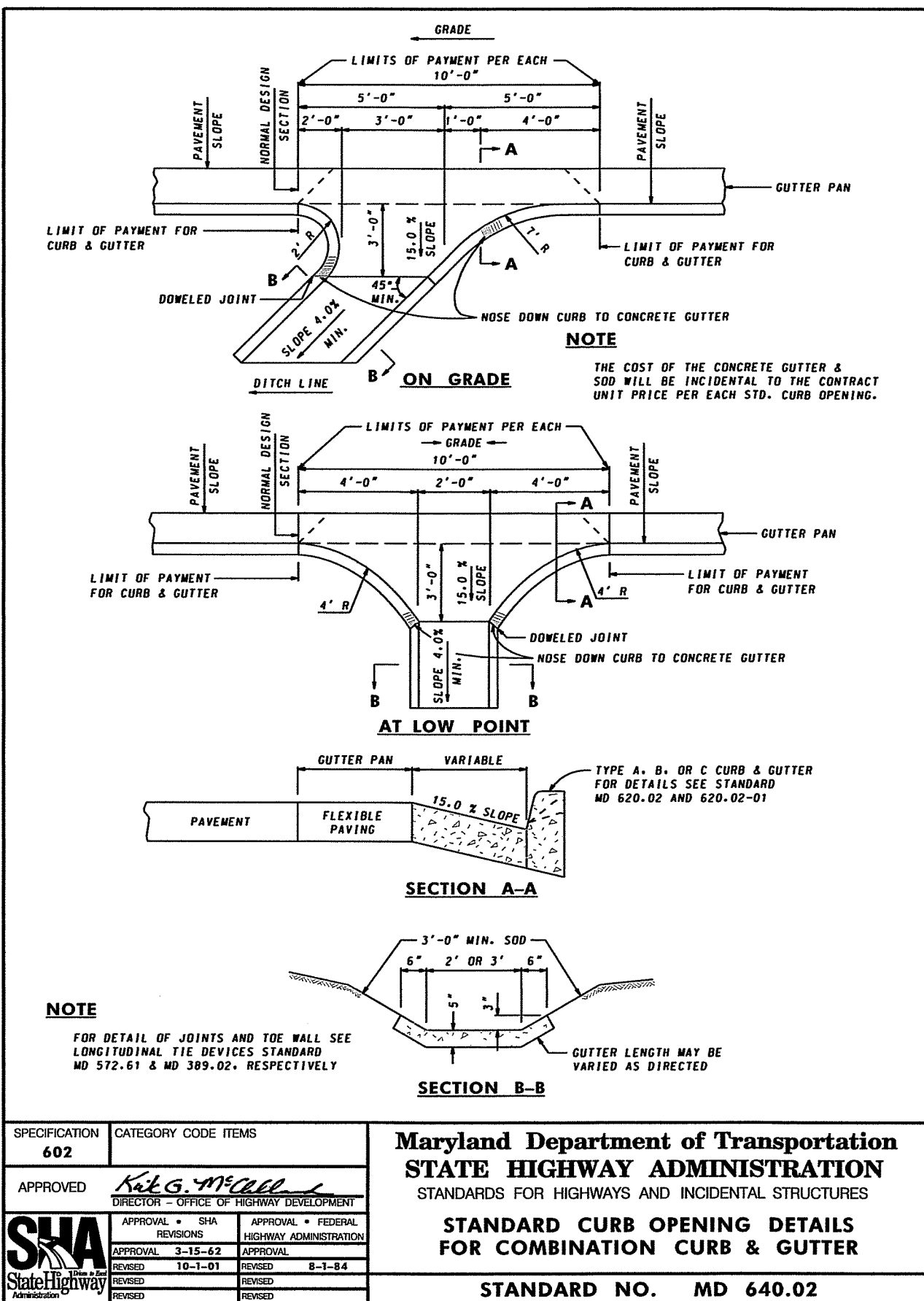
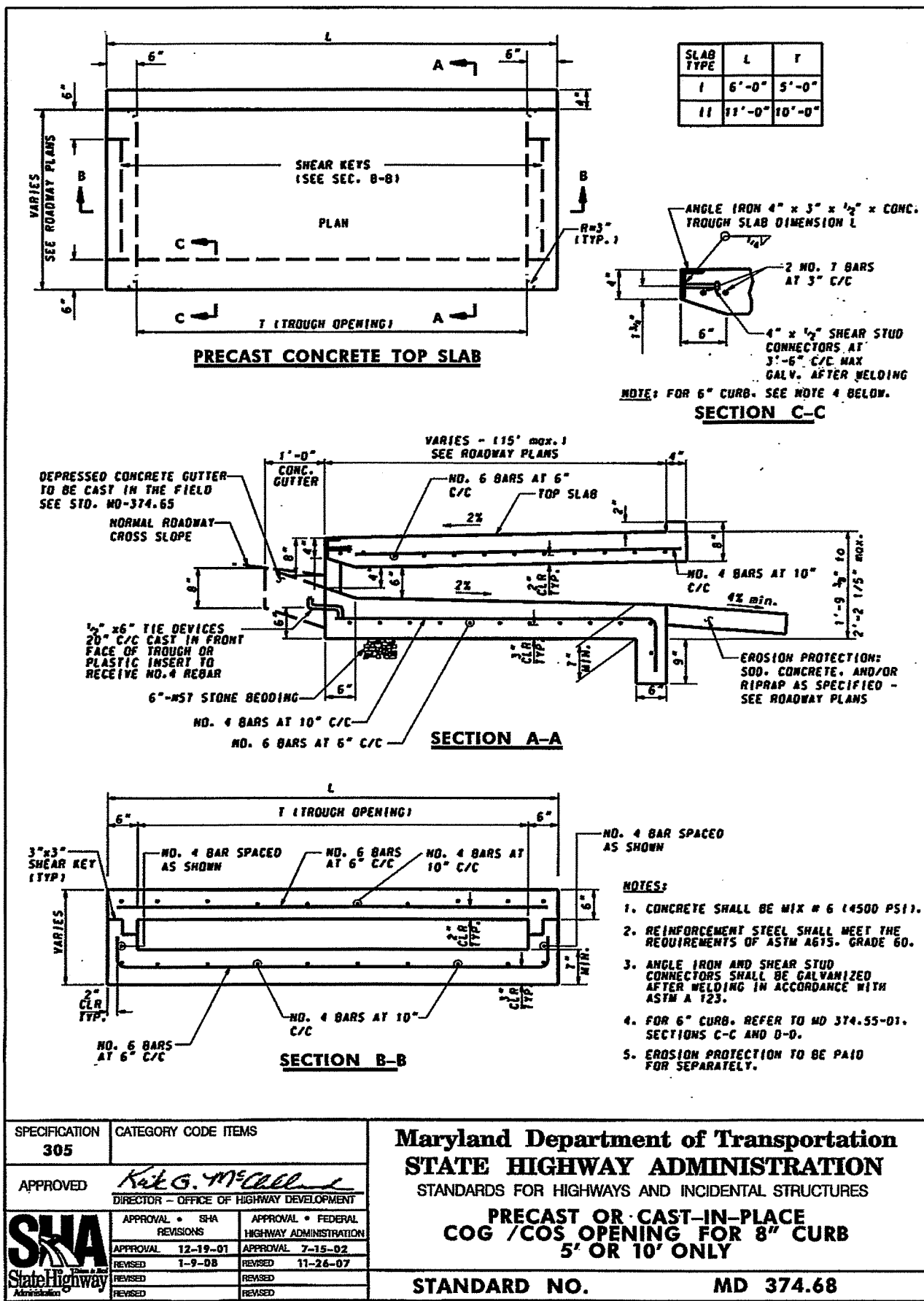
APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER DATE

OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404

TOWN MANAGER _____ DATE _____



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2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER DATE

FOX & ASSOCIATES, INC.
ENGINEERS-SURVEYORS-PLANNERS

981 MT. AETNA ROAD
HAGERSTOWN, MD. 21740
PHONE: (301)733-8503
or (301)416-7250
FAX: (301)733-1653

WWW.FOXASSOCIATESINC.COM EMAIL: FOX@FOXASSOCIATESINC.COM

SITE NOTES AND DETAILS

RUTTER'S STORE #84

SITUATED ON THE SOUTHEAST CORNER OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: AS SHOWN

PROFESSIONAL CERTIFICATION

STATE OF MARYLAND
JOSEPH W. CROFT
Professional Engineer
10/24/19

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. 90709 EXP. DATE: 7/23/20

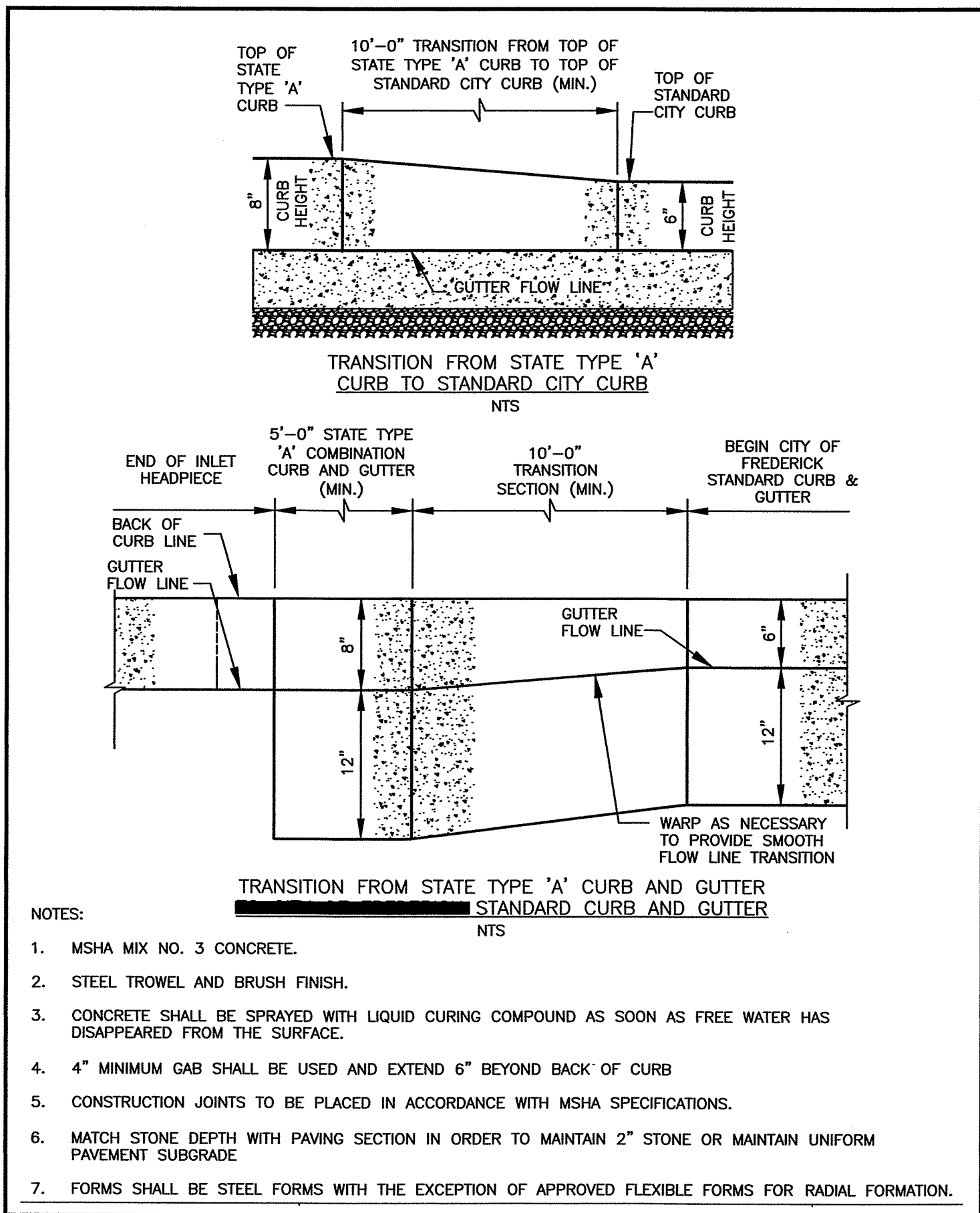
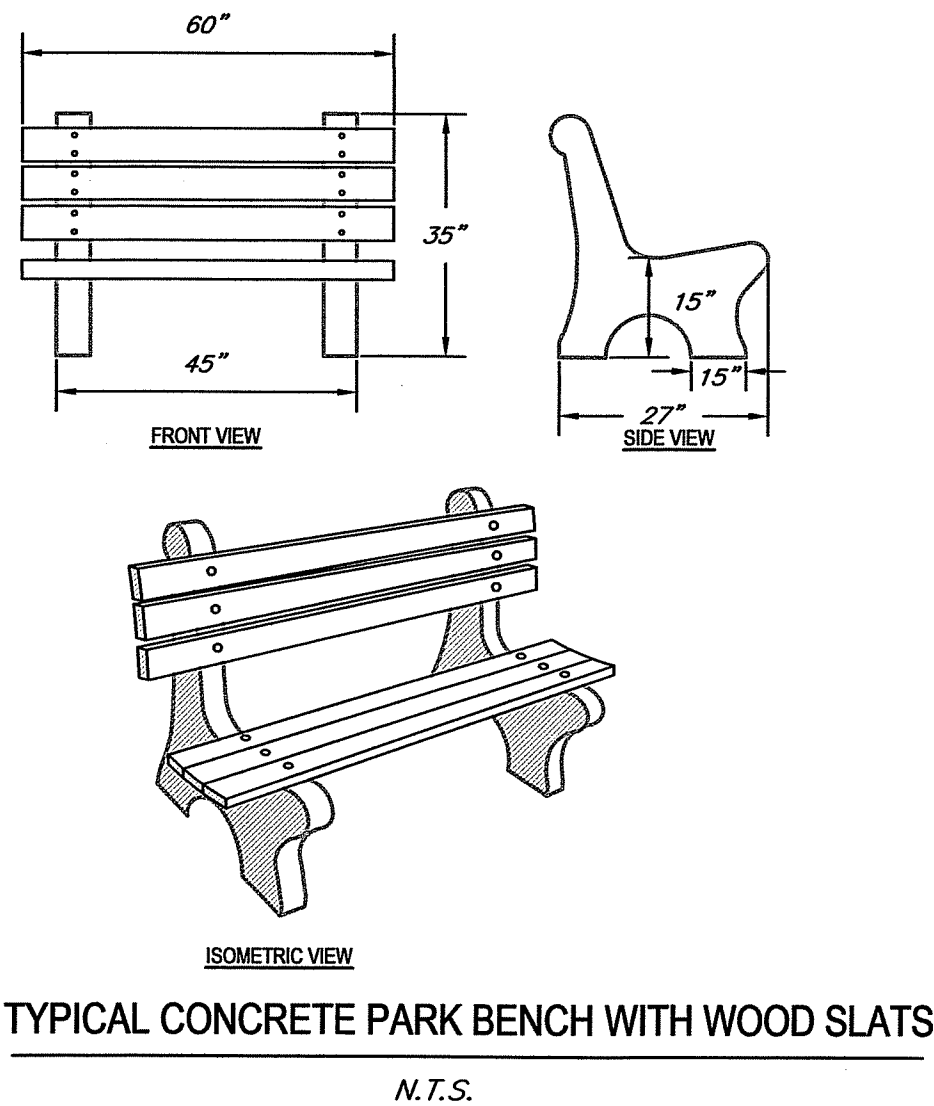
PROJECT NO. 18-31407
DRAWING NO. D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 30 OF 35

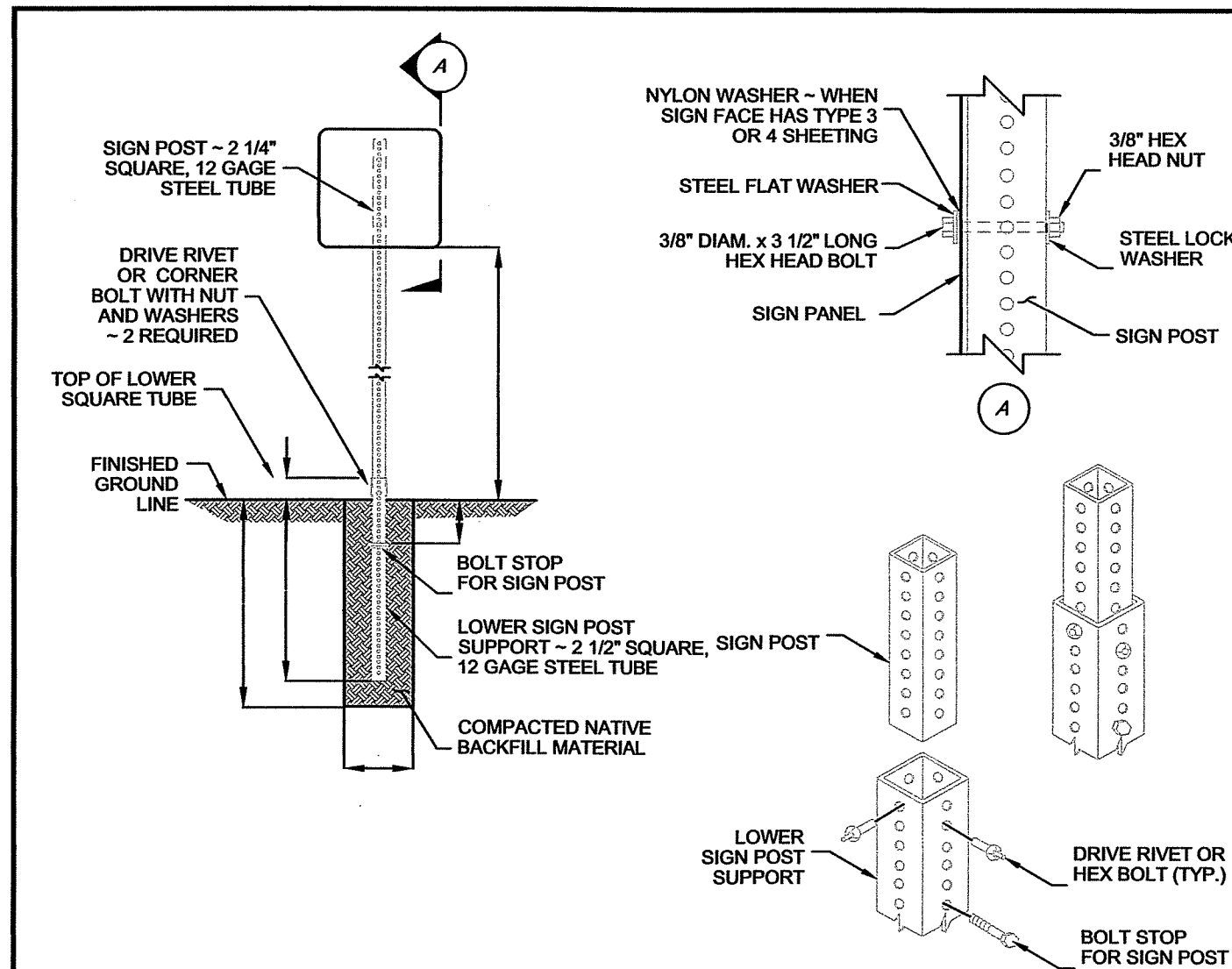
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OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404



- NOTES:
1. MSHA MIX NO. 3 CONCRETE.
 2. STEEL TROWEL AND BRUSH FINISH.
 3. CONCRETE SHALL BE SPRAYED WITH LIQUID CURING COMPOUND AS SOON AS FREE WATER HAS DISAPPEARED FROM THE SURFACE.
 4. 4" MINIMUM GAB SHALL BE USED AND EXTEND 6" BEYOND BACK OF CURB
 5. CONSTRUCTION JOINTS TO BE PLACED IN ACCORDANCE WITH MSHA SPECIFICATIONS.
 6. MATCH STONE DEPTH WITH PAVING SECTION IN ORDER TO MAINTAIN 2" STONE OR MAINTAIN UNIFORM PAVEMENT SUBGRADE
 7. FORMS SHALL BE STEEL FORMS WITH THE EXCEPTION OF APPROVED FLEXIBLE FORMS FOR RADIAL FORMATION.



GENERAL NOTES

GENERAL

1. SIGN POSTS SHALL BE INSTALLED PLUMB TO THE GROUND. LEANING POSTS WILL NOT BE ACCEPTED. THE COMPLETED SIGNPOST SYSTEMS SHALL MEET THE REQUIREMENTS AS DETAILED ON THIS SHEET AND AS REQUIRED BY THE MANUFACTURER OF THE SYSTEM.

SHEETING

1. ALL SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SHA'S STANDARD SIGN BOOK, LATEST EDITION.

BLANKS

1. THE ALUMINUM SIGN BLANKS SHALL CONFORM TO ASTM B-209, ALLOY 6061-T6 OR 5052-H38. BLANKS SHALL HAVE A THICKNESS OF 0.080". ALL DIMENSIONS SHALL BE AS SHOWN IN THESE DETAILS.

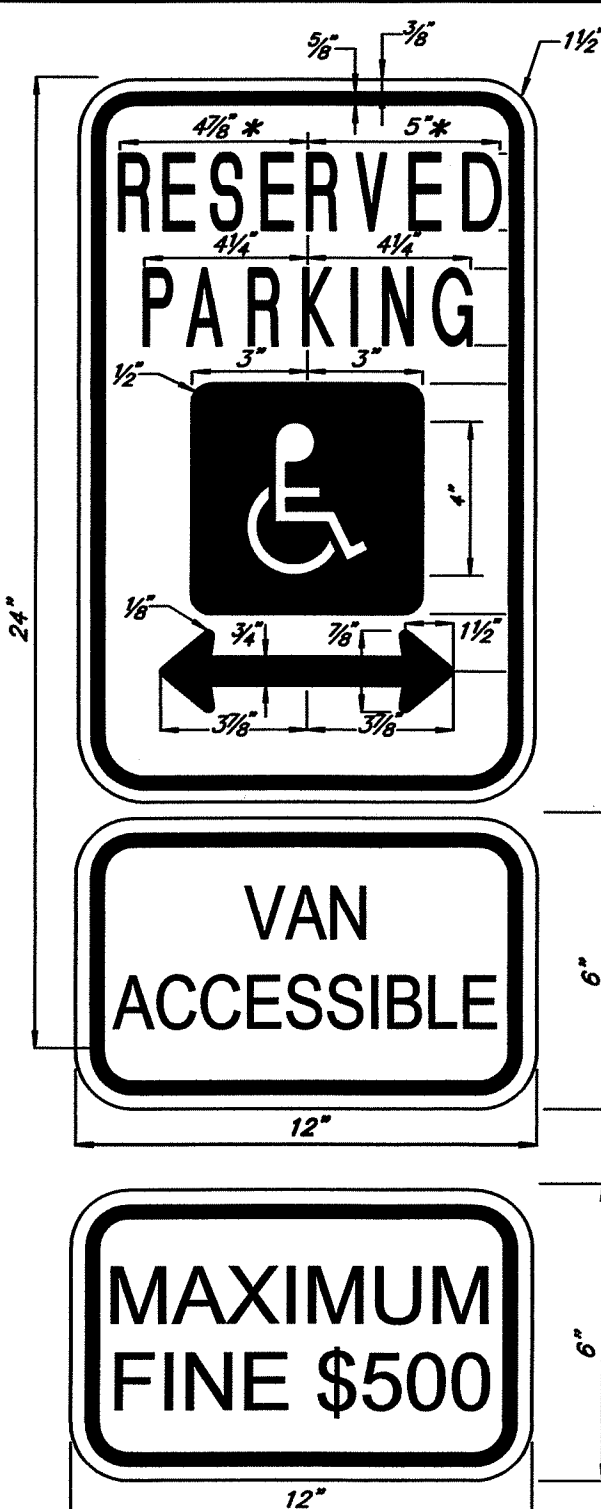
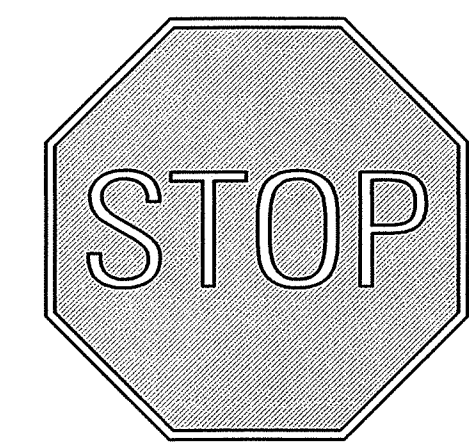
HARDWARE

1. BOLTS, NUTS, SPACERS AND RIVETS SHALL MEET POST MANUFACTURER'S REQUIREMENTS FOR PROPER OPERATION OF THE BREAK AWAY SYSTEMS SUPPLIED. ALL HARDWARE SHALL HAVE A CORROSION RESISTANT FINISH PER POST MANUFACTURER'S REQUIREMENTS.

POSTS

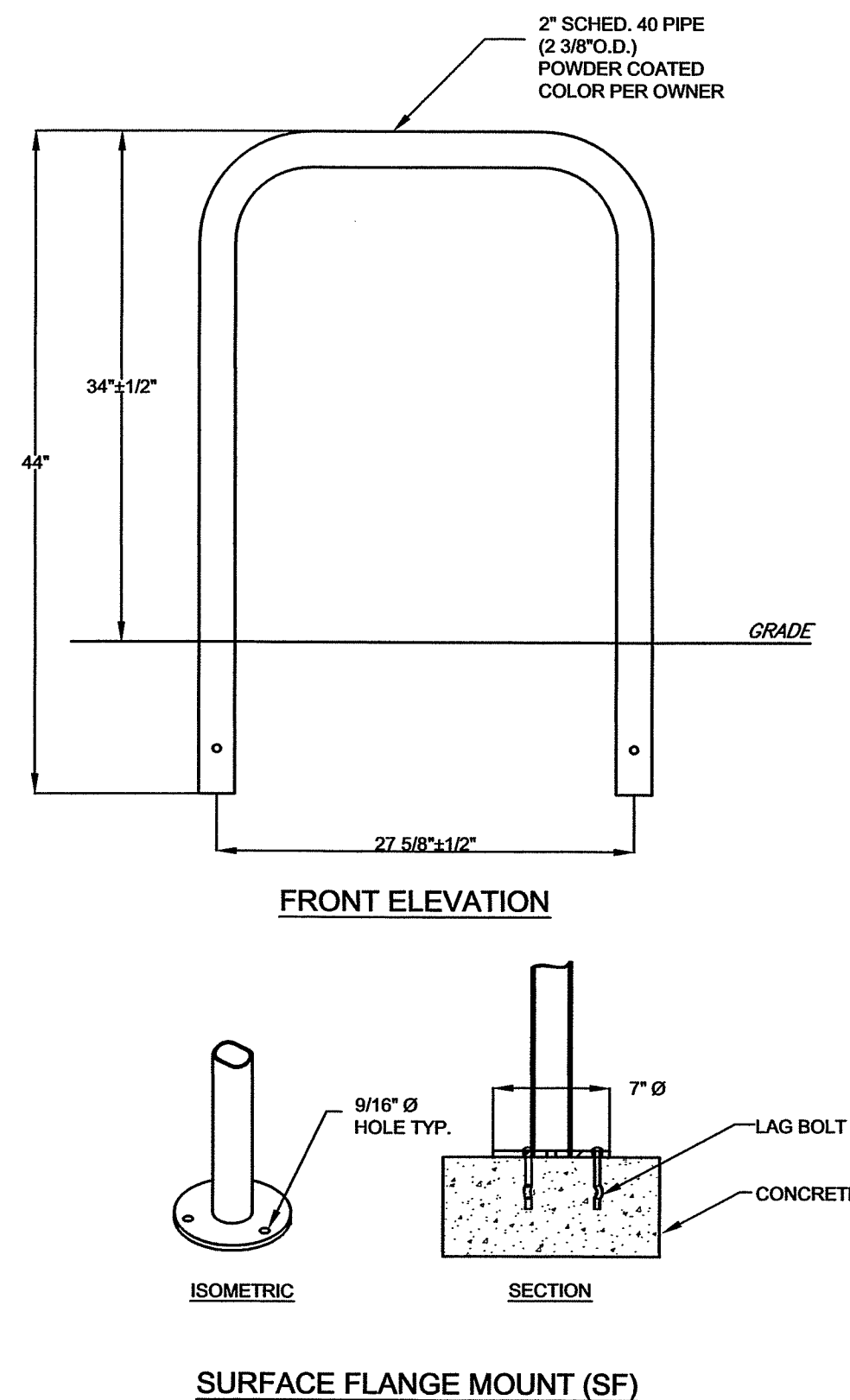
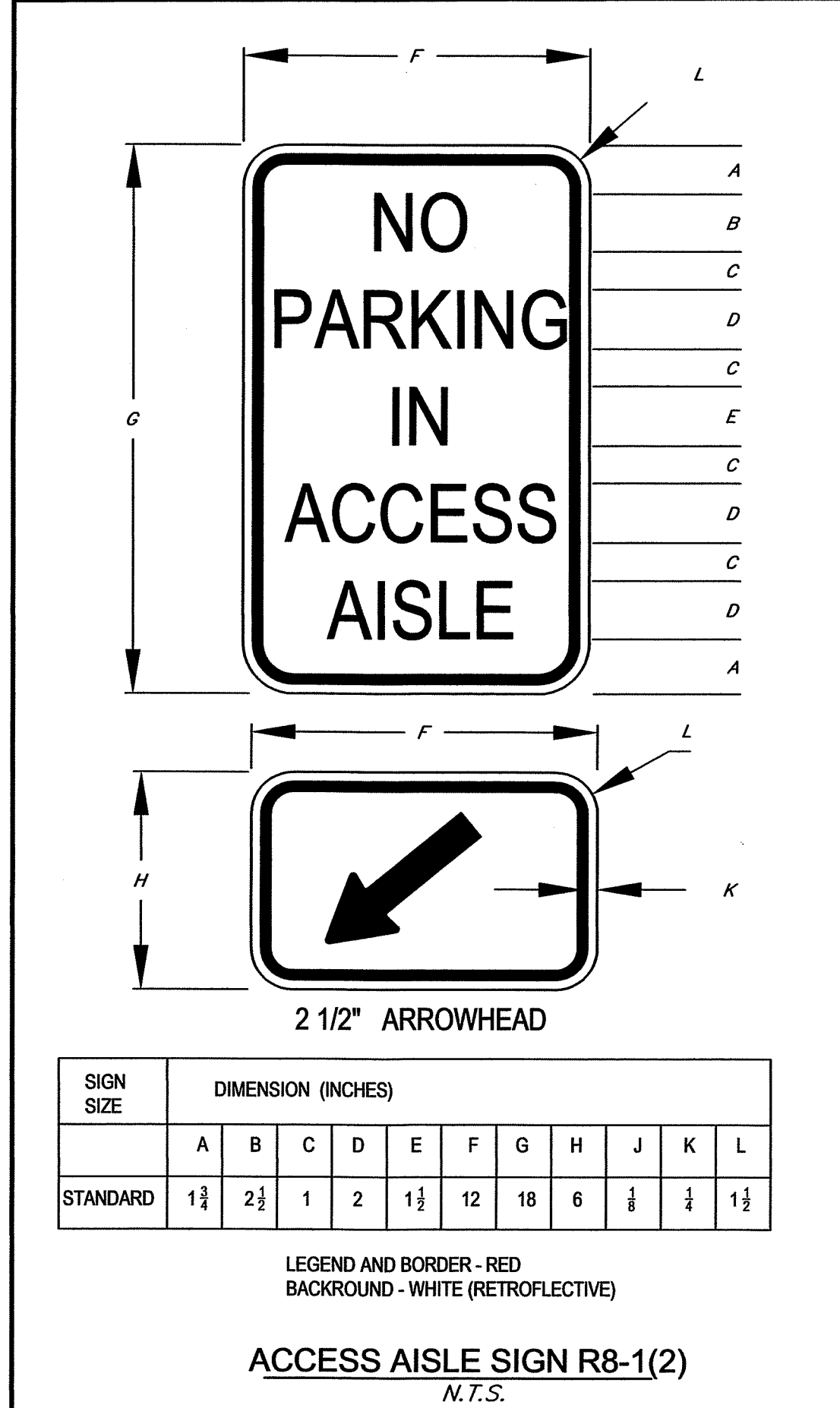
1. THE STEEL POSTS, BASES AND SLEEVES SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR COLD ROLLED CARBON SHEET STEEL, COMMERCIAL QUALITY, ASTM A-446, GRADE A. DIMENSIONS OF THE COMPONENTS SHALL BE AS DETAILED ON THIS SHEET. ALL POSTS SHALL BE GALVANIZED. THE YIELD STRENGTH OF THE POST, SLEEVE AND ANCHOR SHALL BE 62,000 PSI. THE POSTS, SLEEVE AND ANCHOR SHALL BE MANUFACTURED FROM HOT DIPPED GALVANIZED STEEL WITH 1.25 OUNCE COATING CONFORMING TO ASTM A-526, ALSO REFERRED TO AS G-90. BOTH INTERIOR AND EXTERIOR FACES OF THE COMPONENTS SHALL BE GALVANIZED.
 2. THE POST SHALL BE FLUSH OR RECESSED DOWN BELOW THE TOP OF THE SIGN.
 3. SIGN POST SHALL BE MIN. 2'-0" CLEAR FROM FACE OF CURB OR BACK OF SIDEWALK.
- CONCRETE**
1. CONCRETE FOR SIGN FOOTING SHALL BE PORTLAND CEMENT AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 P.S.I.

SIGN SUPPORT DETAIL
N.T.S.



* REDUCE SPACING 50 PERCENT COLORS
LEGEND AND BORDER - GREEN
WHITE SYMBOL ON BLUE BACKGROUND
BACKGROUND - WHITE
ARROW MAY BE REMOVED IF NECESSARY
Reference: State of Maryland Standard Highway Signs Booklet
MdMUTCD SECTION - 2B.39, 2B.40, 2B.41, 7B.14

**RESERVED PARKING R7-8
VAN ACCESSIBLE R7-8A
MAXIMUM FINE R7-8(2)**
N.T.S.



- NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
 2. OWNER TO SELECT COLOR (FINISH).
 3. SEE SITE PLAN FOR LOCATION.

SURFACE MOUNT 2 BICYCLE RACK
NOT TO SCALE

FOX & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS
881 MT. AETNA ROAD
HAGERSTOWN, MD. 21740
PHONE: (301) 733-8803
or (301) 416-7250
FAX: (301) 733-6009
WWW.FOXASSOCIATESINC.COM Email: FOX@FOXASSOCIATESINC.COM

DRAWN BY
REVISION
DATE

SITE NOTES AND DETAILS
RUTTER'S STORE #84
SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: AS SHOWN

PROFESSIONAL CERTIFICATION

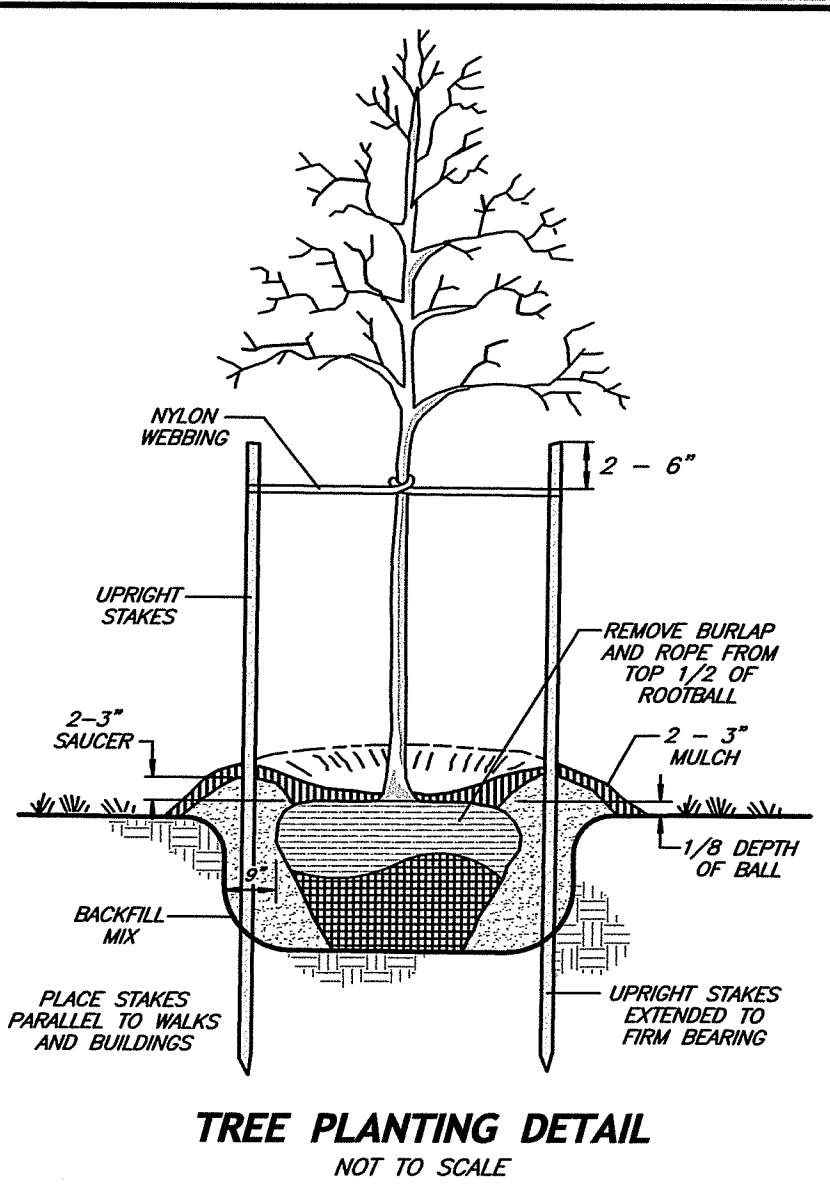
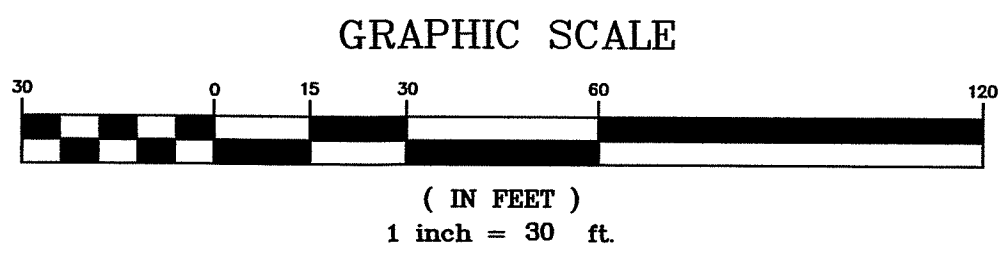
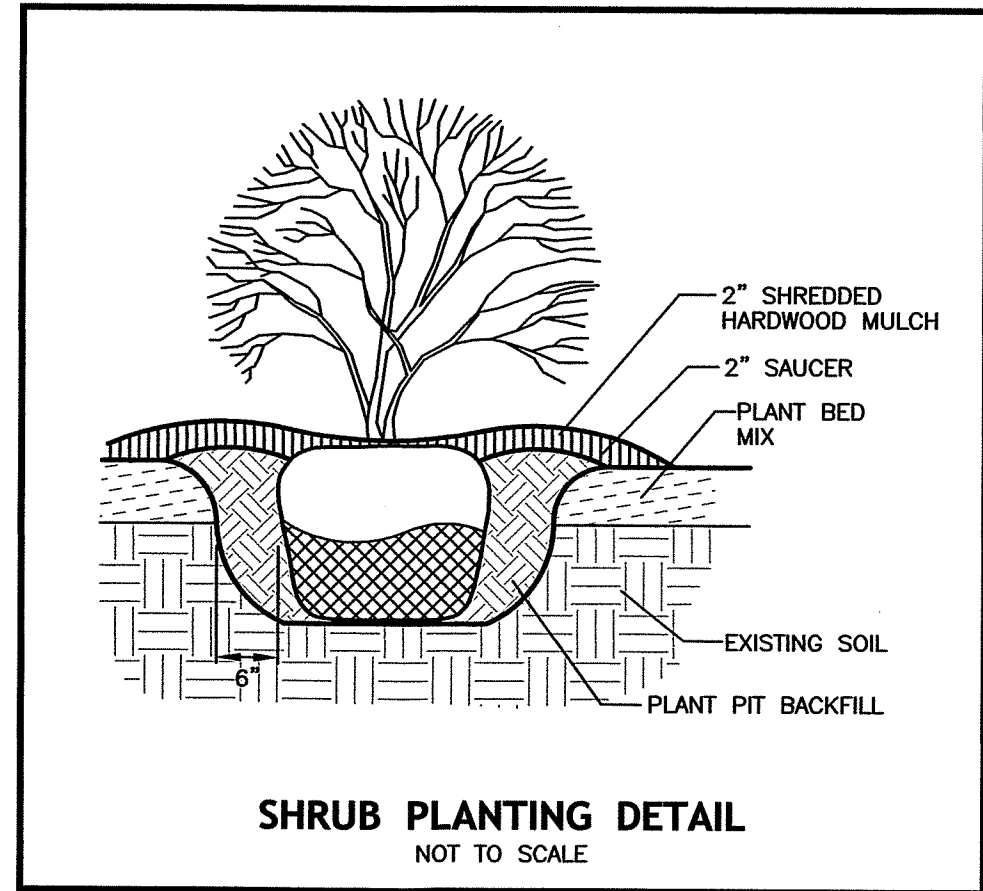
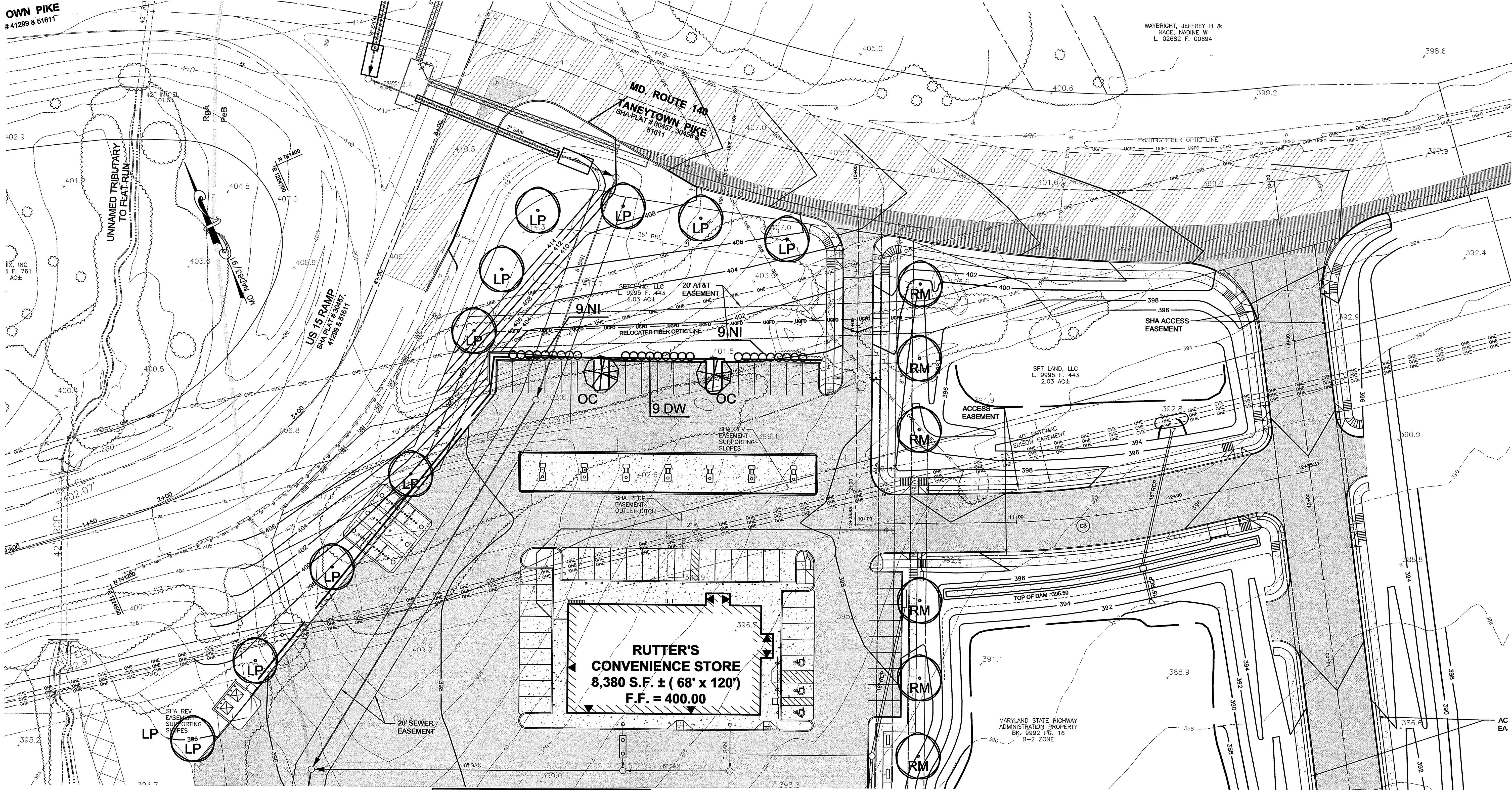
STATE OF MARYLAND
JOSEPH H. CECIL
PROFESSIONAL ENGINEER
10/24/19
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UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE No.: 30709 EXP. DATE: 7/23/20
PROJECT NO.: 18-31407
DRAWING NO.: D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER DATE

SHEET 31 OF 35

OWN PIKE
41299 & 51611



Deciduous Tree Plant List				
Key	Qty.	Botanical Name/Common Name	Size	Condition
LP	10	Platanus acerifolia 'Columbia'	2 1/2\"	B&B
RM	11	Acer Rubrum 'Frank Jr.'	2 1/2\"	B&B
OC	2	Prunus campanulata	2\"	B&B

Shrub Plant List				
Key	Qty.	Botanical Name/Common Name	Size	Condition
JV	46	Viburnum x juddii	2\"	Container
NB	7	Myrica pennsylvanica	2\"	Container
DB	18	Myrica pennsylvanica 'Don's Dwarf'	2\"	Container
WV	19	Viburnum nudum 'Winterthur'	2\"	Container
NI	18	Ilex glabra 'Nigra'	2\"	Container
DW	9	Viburnum obovatum 'Densa'	2\"	Container

- Landscape Notes**
- The landscape contractor shall verify the quantities of plant material shown on the plan and shall provide and plant all material in accordance with the plan.
 - Plant material shall conform to the current issue of the American Standard for Nursery Stock published by the American Association of Nurserymen.
 - Plant material shall be installed in accordance with the "Landscape Specification Guidelines" by the Landscape Contractors Association of Maryland, the District of Columbia and Virginia (latest edition).
 - The landscape contractor shall notify Miss Utility to verify the location of utilities in the field before proceeding with the installation.
 - All plants six feet in height and taller are to be staked as noted in the "Landscape Specification Guidelines" and the staking detail on this plan.
 - Planting areas are to have a minimum 18" depth of clean soil for the entire area of the planting. Clean soil must include existing on-site soil, but must be free of chemical substances and debris over 1/2" diameter. The top 6 inches of the soil shall be topsoil meeting the criteria of the "Landscape Specification Guidelines".
 - The plants are to be planted into prepared planting beds. A 2" layer of organic material, as defined in the "Landscape Specification Guidelines", shall be thoroughly cultivated into the bed area. The backfill mixture for trees and shrubs shall be existing soil mixed with 1/4 organic material, plus compost.
 - The edge of the mulch bed shall be formed as a 2" to 3" deep "V" trench to separate the mulch bed from the grass lawn area. The trench shall form a smooth, continuous curve, as shown on the Landscape Plan. The "V" trench shall be maintained, as necessary, to prevent the encroachment of grass into the bed.
 - After planting, the entire bed is to receive 2" to 3" of mulch. Mulch shall be composted, shredded, hardwood bark mulch, dark brown in color.
 - The landscape contractor shall use a pre-emergent, soil applied, herbicide on the mulched bed areas. Apply the pre-emergent herbicide only when all foliage is dry to prevent foliar burn.
 - All trees that are not in designated planter beds shall receive a 4-5" diameter mulch bed around the trunk with 2" to 3" of dark, shredded, hardwood bark mulch.
 - The landscaping is to be maintained with living plant material. The warranty is for a (1) one year period, excluding bulbs and annuals, commencing on the date of initial acceptance. All plants shall be alive and in satisfactory growth at the end of the guarantee period. Any material that is 25% dead or more shall be considered dead and must be replaced at no charge. A tree shall be considered dead when the main leader has died back, or 25% of the crown is dead. The warranty may be void if proper care, by the owner or the owner's maintenance contractor, is not provided.

APPROVED BY:
TOWN OF EMMITSBURG

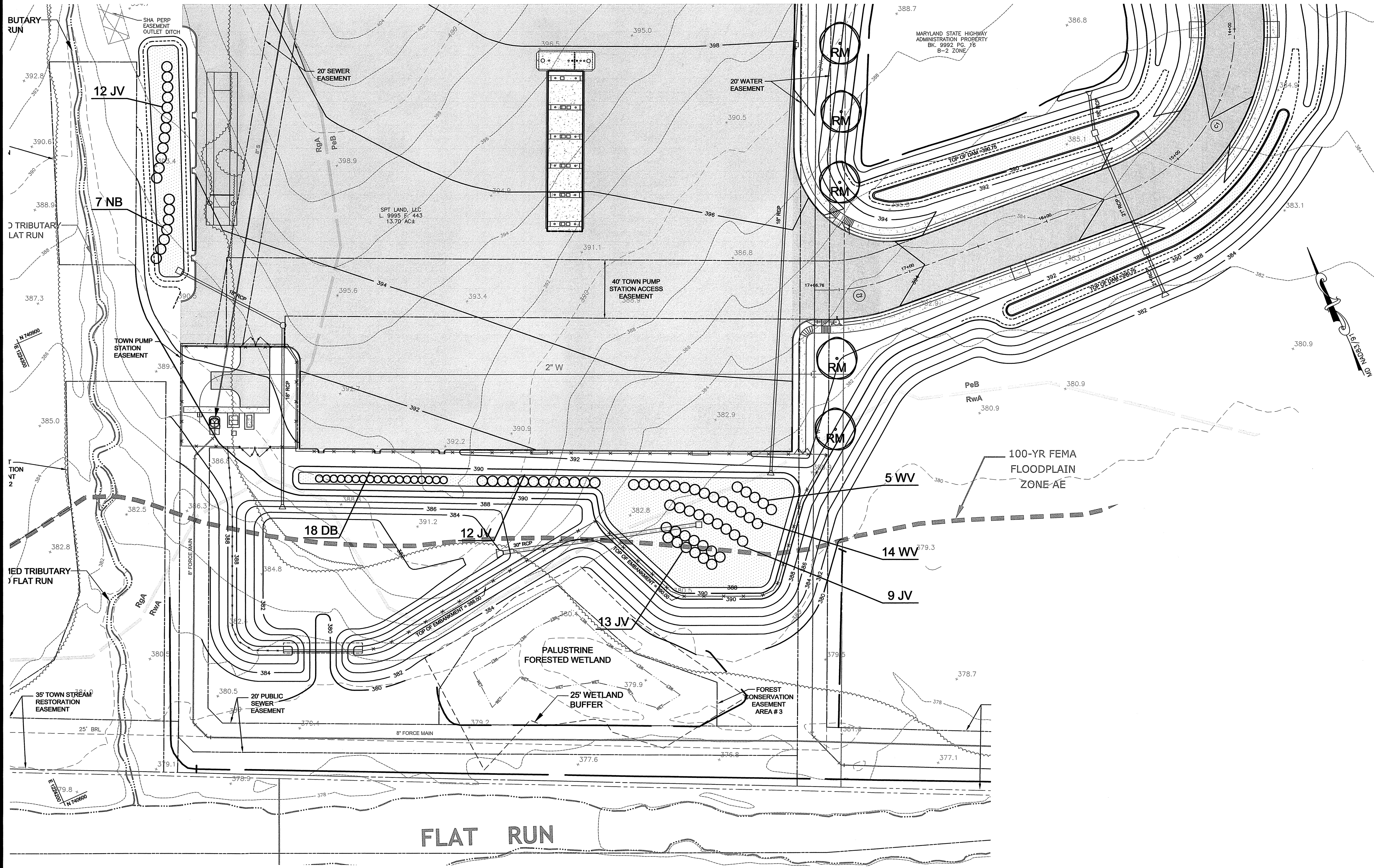
TOWN MANAGER DATE

FOX & ASSOCIATES, INC.
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LANDSCAPE PLAN, NOTES AND DETAILS
RUTTER'S STORE # 84
SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

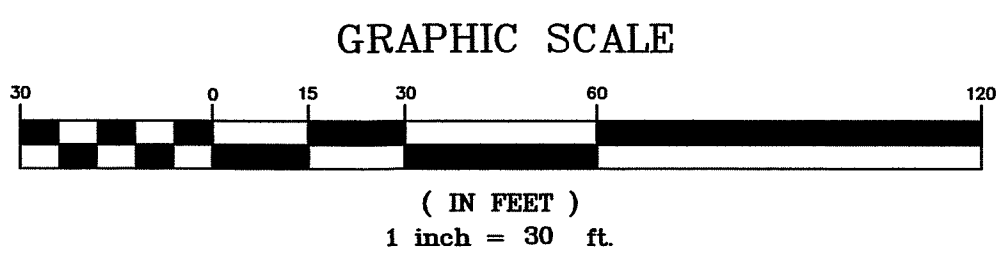
SCALE: 1" = 30'
PROJECT NO. 18-31407
DRAWING NO. D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 32 OF 35



OWNER :
SPT LAND, LLC
1201 OLD NATIONAL PIKE
NEW MARKET, MARYLAND 21774

DEVELOPER :
M&G REALTY, INC.
2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404



APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER _____ DATE _____

H:\CARLSON PROJECTS\18\3407 RUTTERS - EMMITSBURG\INP PLAN\INP-01.DWG, 10/24/2019 10:53:20 PM, JETTER, L

SEDIMENT & EROSION CONTROL NOTES

1. ALL SOIL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" AND THE PROVISIONS OF THE APPROVED PLAN.
2. ALL GRADING AND STABILIZATION SHALL COMPLY WITH THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL," SECTION B - GRADING AND STABILIZATION" AND THE PROVISIONS OF THE APPROVED PLAN.
3. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES (BMPs) ARE TO BE CONSTRUCTED AND/OR INSTALLED PRIOR TO OR AT THE INITIATION OF GRADING IN ACCORDANCE WITH "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL," AND THE APPROVED PLAN.
4. A GRADING UNIT IS THE MAXIMUM CONTIGUOUS AREA ALLOWED TO BE GRADED AT A GIVEN TIME AND IS LIMITED TO 20 ACRES. WORK MAY PROCEED TO A SUBSEQUENT GRADING UNIT WHEN AT LEAST 50 PERCENT OF THE DISTURBED AREA IN THE PRECEDING GRADING UNIT HAS BEEN STABILIZED AND APPROVED BY THE ENFORCEMENT AUTHORITY AND/OR THE LOCAL SOIL CONSERVATION DISTRICT (APPROVAL AUTHORITY) UNLESS OTHERWISE SPECIFIED AND APPROVED BY THE APPROVAL AUTHORITY, NO MORE THAN 30 ACRES CUMULATIVELY MAY BE DISTURBED AT A GIVEN TIME.
5. FOR INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, TEMPORARY OR PERMANENT 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 THE PROJECT SITE NOT UNDER ACTIVE GRADING.
6. STOCKPILES MUST BE STABILIZED IN ACCORDANCE WITH THE 7 DAY STABILIZATION REQUIREMENT, AS WELL AS, STANDARD B-4-1 INCREMENTAL STABILIZATION AND STANDARD B-4-4 TEMPORARY STABILIZATION (AS APPLICABLE).
7. ALL CONSTRUCTED CHANNELS AND SWALES SHALL HAVE SPECIFIED TREATMENT INSTALLED TO THE DESIGN FLOW DEPTH COMPLETED DOWNSTREAM TO UPSTREAM AS CONSTRUCTION PROGRESSES. AN INSTALLATION DETAIL SHALL BE SHOWN ON THE PLANS.
8. ALL STORM DRAIN AND SANITARY SEWER LINES NOT IN PAVED AREAS ARE TO BE SEEDED AND MULCHED WITHIN 3 DAYS OF INITIAL BACKFILL UNLESS OTHERWISE SPECIFIED ON PLANS.
9. ELECTRIC POWER, TELEPHONE, AND GAS LINES ARE TO BE COMPACTED, SEEDED, AND MULCHED WITHIN 3 DAYS AFTER INITIAL BACKFILL UNLESS OTHERWISE SPECIFIED ON PLANS.
10. NO SLOPE SHALL BE GREATER THAN 2:1.
11. DURING CONSTRUCTION, ALL SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED AFTER EACH RAINFALL AND REPAIRED IF NECESSARY. SEDIMENT TO BE REMOVED TO A SUITABLE DISPOSAL AREA AND STABILIZED WITH PERMANENT VEGETATIVE COVER.
12. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND EROSION CONTROL MEASURES UNTIL DISTURBED AREAS ARE STABILIZED.
13. AFTER FINE GRADING, ALL DISTURBED AREAS ARE TO BE PERMANENTLY SEEDED AND MULCHED IN ACCORDANCE WITH PERMANENT SEEDING SUMMARY.
14. ALL SPOIL AND/OR BORROW MUST COME FROM AND GO TO A SITE WITH AN APPROVED EROSION AND SEDIMENT CONTROL PLAN.
15. CONTRACTOR TO ONLY OPEN UP LENGTH OF TRENCH THAT CAN BE CONSTRUCTED AND BACKFILLED IN ONE WORKING DAY IN PAVED AREAS.
16. IN AREAS WHERE THE CONSTRUCTION TAKES PLACE OUTSIDE OF THE EXISTING ROADBED, CONTRACTOR TO INSTALL SILT FENCE ALONG THE DOWNHILL SIDE OF THE TRENCH BEFORE BEGINNING CONSTRUCTION AND PLACE EXCAVATED MATERIAL FROM THE TRENCH ON THE UPHILL SIDE.
17. IF DEWATERING OF THE TRENCH IS REQUIRED, CONTRACTOR TO PUMP WATER TO A FILTER BAG TO DEWATER.
18. CONTRACTOR TO SWEEP STREETS OF ANY DEBRIS OR SEDIMENTS CAUSED BY CONSTRUCTION OPERATIONS AND DISPOSE OF AT AN APPROVED LOCATION.
19. CONTRACTOR TO STABILIZE ALL DISTURBED AREAS WITH SEED & MULCH OR APPROPRIATE STREET REPAIR.

FOR SITES 1.0 ACRE OR MORE, THE FOLLOWING ARE REQUIRED:

- A. MARYLAND DEPARTMENT OF THE ENVIRONMENT, GENERAL PERMIT FOR STORMWATER ASSOCIATED WITH A CONSTRUCTION ACTIVITY, NPDES PERMIT NUMBER MDR10, STATE DISCHARGE PERMIT NUMBER 09GP, OR AN INDIVIDUAL PERMIT.
- B. THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (GENERAL/INDIVIDUAL PERMIT-NOTICE OF INTENT-NOI) APPLICATION AND PERMIT SHALL BE POSTED AND/OR AVAILABLE ON-SITE AT ALL TIMES.
- C. DURING CONSTRUCTION, ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES (BMPs) SHALL BE INSPECTED AND RECORDED ON THE "STANDARD INSPECTION FORM", "GENERAL PERMIT FOR STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY" PER THE MARYLAND DEPARTMENT OF THE ENVIRONMENT (GENERAL/INDIVIDUAL PERMIT-NOTICE OF INTENT-NOI).
- D. FOLLOWING CONSTRUCTION AND RELEASE OF THE SIGHT FOR SOIL EROSION AND SEDIMENT CONTROL BY THE SEDIMENT CONTROL INSPECTOR I.E. ALL PORTIONS OF A SITE HAVE BEEN PERMANENTLY STABILIZED, AND ALL STORMWATER DISCHARGES FROM CONSTRUCTION SITES THAT ARE AUTHORIZED BY THE PERMIT ARE ELIMINATED, THE AUTHORIZED PERMITTEE SHALL SUBMIT THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, GENERAL/INDIVIDUAL PERMIT-NOTICE OF TERMINATION (NOT).

SEDIMENT CONTROL / STORMWATER MANAGEMENT REQUIRED INSPECTIONS		
TYPE OF INSPECTION	DEVELOPER ENGINEER APPROVAL/DATE	IEA INSPECTION/ DATE
1) PRECONSTRUCTION MEETINGS		
2) COMPLETION OF SEDIMENT CONTROL MEASURES (IF USING BASIN SEE # 4 BELOW)		
3) PRIOR TO MODIFICATION OR REMOVAL OF SED. CONTRL.		
4) INFILTRATION SYSTEMS A. SITE READINESS PER SEQUENCE OF CONSTRUCTION B. INFILTRATION AREA PROTECTED FROM SEDIMENTATION C. DIMENSIONS D. FILTERING MATERIAL (TYPE/DEPTH) E. FILL MATERIAL F. SIZE, PLACEMENT, TYPE OF PIPING (IF APPLICABLE) G. OBSERVATION WELL H. COVER / STABILIZATION		
5) OPEN CHANNEL FLOW ATTENUATION A. SITE READINESS PER SEQUENCE OF CONSTRUCTION B. CROSS SECTION CONFORMANCE C. MATERIAL (TYPE/SIZE) D. STABILIZATION		
6) RETENTION / DETENTION STRUCTURES (BASIN/PONDS) A. SUBGRADE PREPARATION 1. CORE TRENCH 2. SUITABLE FILL 3. COMPACTION B. EMBANKMENT CONSTRUCTION 1. SUITABLE MATERIAL 2. SLOPE GRADE C. BARREL AND RISER ASSEMBLY 1. CORRECT MATERIAL ON-SITE 2. SIZING 3. ANTI-SLEEP COLLARS 4. INSTALLATION / BACKFILL D. CONCRETE INLET STRUCTURES 1. FOOTER EXCAVATION AND SIZE 2. REINFORCING MATERIAL (TYPE, SIZE, PLACEMENT) 3. WEIR POUR 4. FORM STRIP AND FINISHING E. IMPOUNDING AREA 1. LOW FLOW CHANNELS 2. DEWATERING DEVICE 3. EMERGENCY SPILLWAY F. OUTFALL AREA (LEVEL SPREADER, RIPRAP CHANNEL, ETC.) G. VEGETATION STABILIZATION H. MISCELLANEOUS		
YOU MUST NOTIFY FREDERICK COUNTY ENVIRONMENTAL COMPLIANCE SECTION AT (301) 600-3507 BEFORE 9:00 AM 24 HOURS PRIOR TO THE REQUIRED INSPECTION. FAILURE TO NOTIFY THE AGENCY WILL RESULT IN A STOP WORK ORDER OR OTHER PENALTIES AS OUTLINED IN FREDERICK COUNTY CODES.		
*****NOTICE*****		
THIS LIST IS FOR SEQUENCE OF CONSTRUCTION ONLY. THE AGENCY ASSUMES NO RESPONSIBILITY OR LIABILITY FOR IMPROPER INSTALLATION OF ANY ITEM ON THIS CHECKLIST. THE AGENCY RECOMMENDS THAT A PROFESSIONAL ENGINEER BE PRESENT FOR EACH EACH OF THE REQUIRED INSPECTIONS.		

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YORK, PENNSYLVANIA 17404

TEMPORARY SEEDING NOTES

GENERAL

1. SCOPE:
PLANTING SHORT TERM VEGETATION TO STABILIZE CLEARED OR GRADED AREAS SUBJECT TO EROSION FOR A PERIOD OF 7 DAYS OR MORE.
2. STANDARDS
TEMPORARY SEEDING SHALL CONFORM TO ALL REQUIREMENTS OF "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY WATER MANAGEMENT ADMINISTRATION, SOIL CONSERVATION SERVICE AND STATE SOIL CONSERVATION COMMITTEE.
3. SEDIMENT EROSION CONTROL:
ALL PERIMETER CONTROLS MUST BE STABILIZED IN 3 DAYS; ALL INTERIOR CONTROLS MUST BE STABILIZED IN 7 DAYS.

SPECIFICATIONS

1. SITE PREPARATION
 - A. PRIOR TO SEEDING, INSTALL ALL REQUIRED SEDIMENT EROSION CONTROL MEASURES.
 - B. FINAL GRADING NOT REQUIRED FOR TEMPORARY SEEDING.
2. SOIL AMENDMENTS
 - A. FERTILIZER SHALL BE APPLIED AT A RATE OF 600 LBS/ACRE USING 10-10-10 OR EQUIVALENT.
 - B. ACID SOILS SHALL BE LIMED.
3. SEED PREPARATION
 - A. SOIL SHALL BE LOOSENED TO A DEPTH OF 3-INCHES BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS PRIOR TO SEEDING.
4. SEEDING
 - A. SELECT A MIXTURE FROM TABLE B.1 IN THE STANDARD SPECIFICATIONS.
 - B. APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER OR HYDROSEEDER.
5. MULCHING
 - A. MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING. MULCH MATERIALS AND APPLICATIONS SHALL CONFORM TO THE STANDARD SPECIFICATIONS.

NOTE: ALL AREAS TO BE ROUGH GRADED AND/OR GRADED ONLY ARE TO BE STABILIZED BY TEMPORARY SEEDING AND MULCHING WITHIN 7 DAYS AFTER GRADING IS COMPLETE, IF PERMANENT SEEDING CANNOT BE PERFORMED AT THAT TIME. THESE AREAS SHALL BE STABILIZED WITH PERMANENT SEEDING AND MULCHING AT THE BEGINNING OF THE NEXT GROWING SEASON.

TEMPORARY SEEDING SUMMARY

SEED MIXTURE (HARDINESS ZONE 6B) FROM TABLE B.1					FERTILIZER RATE (10-10-10)	LIME RATE
No.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTH(S)		
1	* BARLEY	96 (2.2 LBS/ 1000 S.F.)	3/15 - 5/31 8/1 - 9/30	1"	436 LBS/AC (10 LBS/1000 S.F.)	2 TONS/AC (90 LBS/1000 S.F.)

* OR LIKE SPECIES WITH APPROVAL FROM FREDERICK & CATOCTIN S.C.D.

PERMANENT SEEDING & SOD NOTES

GENERAL

1. SCOPE: PLANTING PERMANENT, LONG-LIVED VEGETATIVE COVER ON GRADED OR CLEARED AREAS.
2. STANDARDS: PERMANENT SEEDING SHALL CONFORM TO ALL REQUIREMENTS OF "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY WATER MANAGEMENT ADMINISTRATION, SOIL CONSERVATION SERVICE AND STATE SOIL CONSERVATION COMMITTEE.

SPECIFICATIONS

1. SITE PREPARATION
 - A. PRIOR TO SEEDING, INSTALL ALL REQUIRED SEDIMENT EROSION CONTROL MEASURES.
 - B. FINAL GRADING REQUIRED FOR PERMANENT SEEDING.
2. SOIL AMENDMENTS
 - A. FERTILIZER SHALL BE APPLIED AT A RATE OF 600 LBS/ACRE USING 10-10-10 OR EQUIVALENT.
3. SEEDBED PREPARATION
 - A. SOIL SHALL BE LOOSENED TO A DEPTH OF 3-INCHES BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS PRIOR TO SEEDING.
4. SEEDING
 - A. SELECT A MIXTURE FROM TABLE B.2 & B.3 IN THE STANDARD SPECIFICATIONS.
 - B. APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER OR HYDROSEEDER (SLURRY INCLUDES SEED AND FERTILIZER ON A FIRM, MOIST SEEDBED). MAXIMUM SEEDING DEPTH SHOULD BE ¼ INCH ON CLAYEY SOILS AND ½ INCH ON SANDY SOILS, WHEN USING OTHER THAN HYDROSEEDER METHOD OF APPLICATION. NOTE: IF HYDROSEEDING IS USED AND SEED AND FERTILIZER IS MIXED, THEY WILL BE MIXED ON SITE AND THE SEEDING SHALL BE IMMEDIATE WITHOUT INTERRUPTION.

PERMANENT STABILIZATION WITH SOD

1. ALL SPECIFICATIONS, SITE PREPARATION, INSTALLATION AND MAINTENANCE OF SOD FOR PERMANENT, LONG-LIVED VEGETATIVE COVER SHALL CONFORM TO SECTION B OF THE "2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY WATER MANAGEMENT ADMINISTRATION, SOIL CONSERVATION SERVICE AND STATE SOIL CONSERVATION COMMITTEE.

NOTE: ALL AREAS TO BE ROUGH GRADED AND/OR GRADED ONLY ARE TO BE STABILIZED BY PERMANENT SEEDING AND MULCHING WITHIN 7 DAYS AFTER GRADING IS COMPLETE (SEE TEMPORARY SEEDING NOTES)

PERMANENT SEEDING SUMMARY

SEED MIXTURE (HARDINESS ZONE 6B) FROM TABLE B.3					FERTILIZER RATE (10-05-20)			LIME RATE
No.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTH(S)	N	P205	K20	
9	TALL FESCUE KENTUCKY BLUEGRASS PERENNIAL RYEGRASS	60 40 20	3/1 - 5/15 8/1 - 10/15	1/4" - 1/2"	45 LB/AC (1.0 LB/ 1000 S.F.)	90 LB/AC (2 LB/ 1000 S.F.)	90 LB/AC (2 LB/ 1000 S.F.)	2 TONS/AC (90 LB/ 1000 S.F.)

SEQUENCE OF CONSTRUCTION

1. OBTAIN ALL REQUIRED PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. CONTACT FREDERICK COUNTY ENVIRONMENTAL COMPLIANCE SECTION TO SET UP A PRE-CONSTRUCTION MEETING WITH THE SEDIMENT AND EROSION CONTROL INSPECTOR AT (301) 600-3507, 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. ADDITIONAL SEDIMENT CONTROL MEASURES MAY BE REQUIRED AS A RESULT OF THE PRE-CONSTRUCTION MEETING.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCES #1 & #2
3. CLEAR AND GRUB ONLY THAT AREA REQUIRED TO INSTALL SEDIMENT CONTROL DEVICES INCLUDING SILT FENCE AND SUPER SILT FENCE.
4. CONTACT SEDIMENT CONTROL INSPECTOR BEFORE PROCEEDING.
5. CLEAR AND GRUB REMAINDER OF THE SITE.
6. BEGIN GRADING OPERATION. STRIP AND STOCKPILE/REMOVE TOPSOIL AS NECESSARY.
7. ALL SOIL THAT IS NOT NEEDED FOR FILL MATERIAL MUST BE REMOVED FROM THE SITE DAILY AND DELIVERED TO AN APPROVED SITE.
8. EXCAVATE AND CONSTRUCT FILLS.
9. CONSTRUCT STORMWATER MANAGEMENT FACILITY / TEMPORARY SEDIMENT BASIN.
10. PROVIDE TEMPORARY STABILIZATION AS REQUIRED.
11. EXCAVATE AND CONSTRUCT FILLS. INCLUDING ACCESS DRIVES AND MD RT. 140 IMPROVEMENTS.
12. CONSTRUCT THE SWM BIORETENTION FACILITIES. DO NOT INSTALL FILTER MATERIAL UNTIL ALL UPSTREAM AREAS ARE STABILIZED.
13. CONSTRUCT UNDERGROUND ON-SITE UTILITIES INCLUDING STORM DRAIN WATER AND SEWER.
14. INSTALL OFF-SITE WATER AND SEWER INCLUDING HORIZONTAL DIRECTIONAL DRILL UNDER FLAT RUN AND WETLAND AREAS. NO DISTURBANCE OF THE WETLANDS OR STREAM ARE ALLOWED.
15. PROVIDE TEMPORARY STABILIZATION AS REQUIRED.
16. INSTALL OFF-SITE WATER AND SEWER ALONG MD RT. 140.
17. PROVIDE TEMPORARY STABILIZATION AS REQUIRED.
18. BEGIN BUILDING CONSTRUCTION.
19. WITH BUILDING CONSTRUCTION COMPLETE FINE GRADE THE PARKING LOT, INSTALL CURB & GUTTER, SIDEWALK AND COMMENCE PAVING OPERATIONS.
20. STABILIZE ALL DISTURBED AREAS.
21. ONCE ALL UPSTREAM AREAS DRAINING TO THE SWM FACILITIES ARE PERMANENTLY STABILIZED AND UPON APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR, RESHAPE THE SWM FACILITIES TO THEIR ORIGINAL DESIGN SPECIFICATIONS AND INSTALL THE UNDERDRAIN, PERMEABLE SOIL AND STONE WITHIN THE BIORETENTION AREAS.
22. INSTALL LANDSCAPING.
23. STABILIZE ALL REMAINING DISTURBED AREAS.
24. WHEN SITE IS STABILIZED, CONTACT THE SEDIMENT CONTROL INSPECTOR FOR PERMISSION TO REMOVE THE SEDIMENT CONTROL DEVICES. FLUSH STORM DRAIN SYSTEM OF ACCUMULATED SEDIMENT.
25. REMOVE SEDIMENT CONTROL DEVICES, STABILIZE AREAS DISTURBED BY THEIR REMOVAL.

FOR UTILITY WORK ONLY OR OFF-SITE UTILITY WORK

1. DISTURBANCE OUTSIDE OF LIMIT OF DISTURBED AREA CAN NOT EXCEED 5,000 SQUARE FEET.
2. PLACE ALL EXCAVATED MATERIAL ON HIGH SIDE OF TRENCH.
3. ONLY DO AS MUCH WORK AS CAN BE DONE IN ONE DAY SO BACKFILLING, FINAL GRADING, SEEDING AND MULCHING CAN OCCUR.
4. ANY SEDIMENT CONTROL MEASURES DISTURBED BY CONSTRUCTION WILL BE REPAIRED THE SAME DAY.

SECONDARY UTILITY NOTES

1. ALL DISTURBANCES FROM SECONDARY UTILITIES SUCH AS PHONE, CABLE, ELECTRIC CABLE, CABLE TV, ETC. WILL BE SUBCONTRACTORS RESPONSIBILITY TO BRING WORK AREA BACK TO GRADE LEVEL THAT WAS EXISTING AND SEED AND MULCH ANY DISTURBANCE FROM INSTALLATION OF LINES OR CONDUIT.

2. SUBCONTRACTORS WILL BE RESPONSIBLE FOR RE-INSTALLING OR REPAIRING ANY SILT FENCE OR SEDIMENT CONTROLS THAT WERE EXISTING TO MAINTAIN PROPER SEDIMENT CONTROL THAT MIGHT HAVE BEEN DAMAGED.

STOCKPILE NOTES

1. NO STOCKPILING ALLOWED ON ASPHALT.
2. ALL STOCKPILES LEFT AT THE END OF EACH WEEK NEED TO BE STABILIZED UNTIL THE NEXT REDISTURBANCE.

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER DATE

FREDERICK SOIL CONSERVATION DISTRICT
SOIL EROSION AND SEDIMENT CONTROL PLAN APPROVAL

By: _____
Date: _____
SCD APPROVAL FOR SEDIMENT AND EROSION CONTROL IS CONTINGENT UPON ISSUANCE OF ALL APPLICABLE REGULATORY PERMITS.
(PLAN IS VALID FOR TWO YEARS FROM DATE OF APPROVAL)

OWNERS / DEVELOPERS CERTIFICATION

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

OWNER / DEVELOPER

DATE

ENGINEER DESIGN CERTIFICATION

I HEREBY CERTIFY THIS PLAN FOR SOIL EROSION AND SEDIMENT CONTROL HAS BEEN DESIGNED IN ACCORDANCE WITH LOCAL ORDINANCES, COMAR 26.17.01, 26.17.02 AND THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

JOSEPH H. CECI REG. NO. 30709

FREDERICK COUNTY, MARYLAND
DEVELOPMENT REVIEW ENGINEERING

APPROVED: Development Review Chief Date

APPROVED: Stormwater Management Date

Reviewed in accordance with local County requirements. Frederick County assumes no liability for design and/or construction. Approval is valid for two (2) years after last date shown above. The project must be under construction before the approval expiration to be considered active. Otherwise, resubmittal of plans, including applicable fees, must be made to Development Review for resapproval. Fees for resubmittal cannot be waived.

REV. #	DATE	REVISION DESCRIPTION <small>*LIST IN THESE BLOCKS FOR REVISIONS ONLY</small>	CONSULTANT: DATE AND INITIAL	DEV. REVIEWER: DATE AND INITIAL



FOX & ASSOCIATES, INC.

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82 WORMANS MILL COURT
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PHONE: (301) 695-0880
FAX: (301) 293-6009

DRAWN BY

REVISION

DATE

SEDIMENT & EROSION CONTROL NOTES AND DETAILS

RUTTER'S STORE # 84

SITUATED ON THE SOUTHEAST CORNER
OF MD. ROUTE 140 AND MD. ROUTE 15
TOWN OF EMMITSBURG, ELECTION DISTRICT No. 5
FREDERICK COUNTY, MARYLAND

SCALE: AS SHOWN

PROFESSIONAL CERTIFICATION

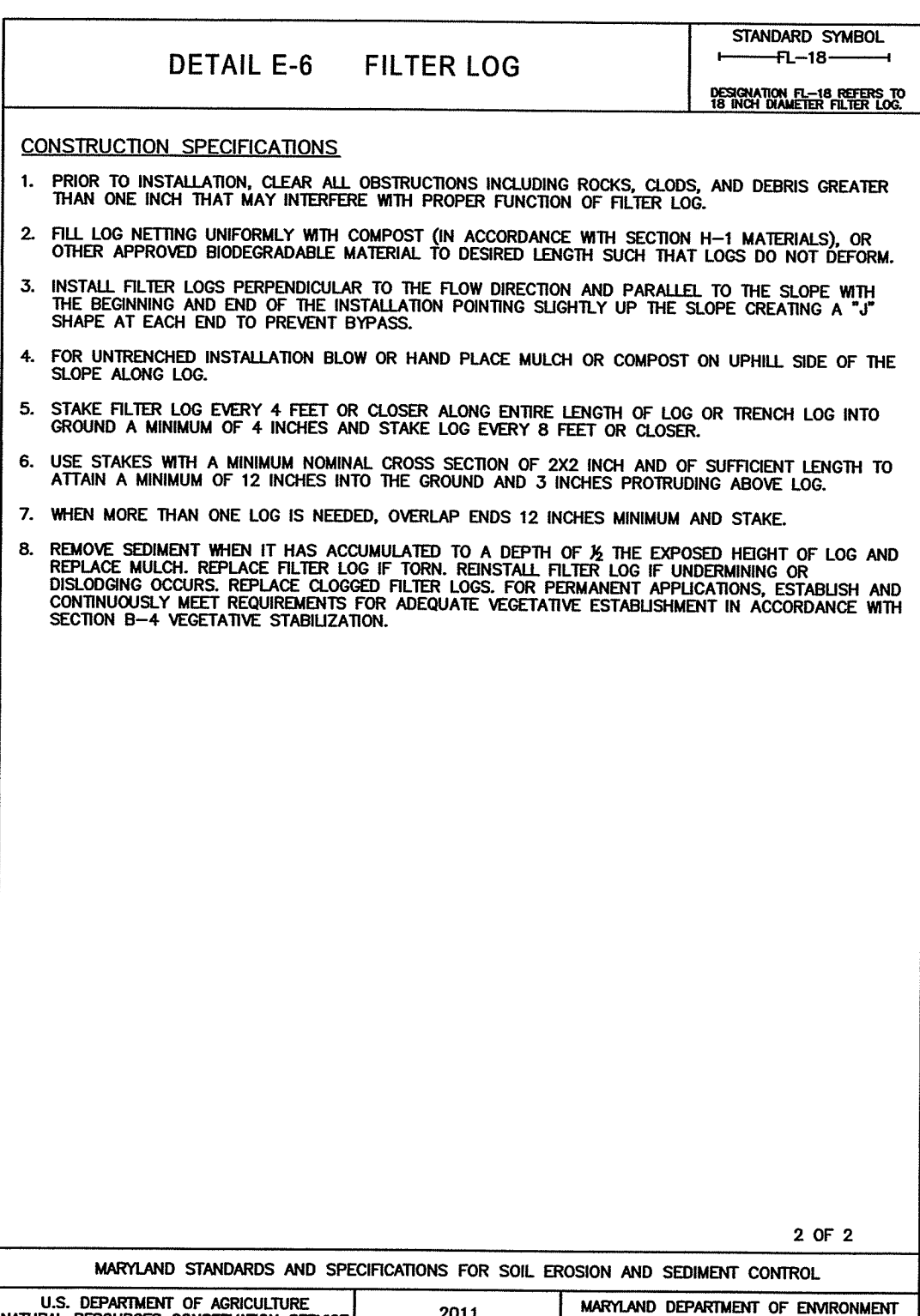
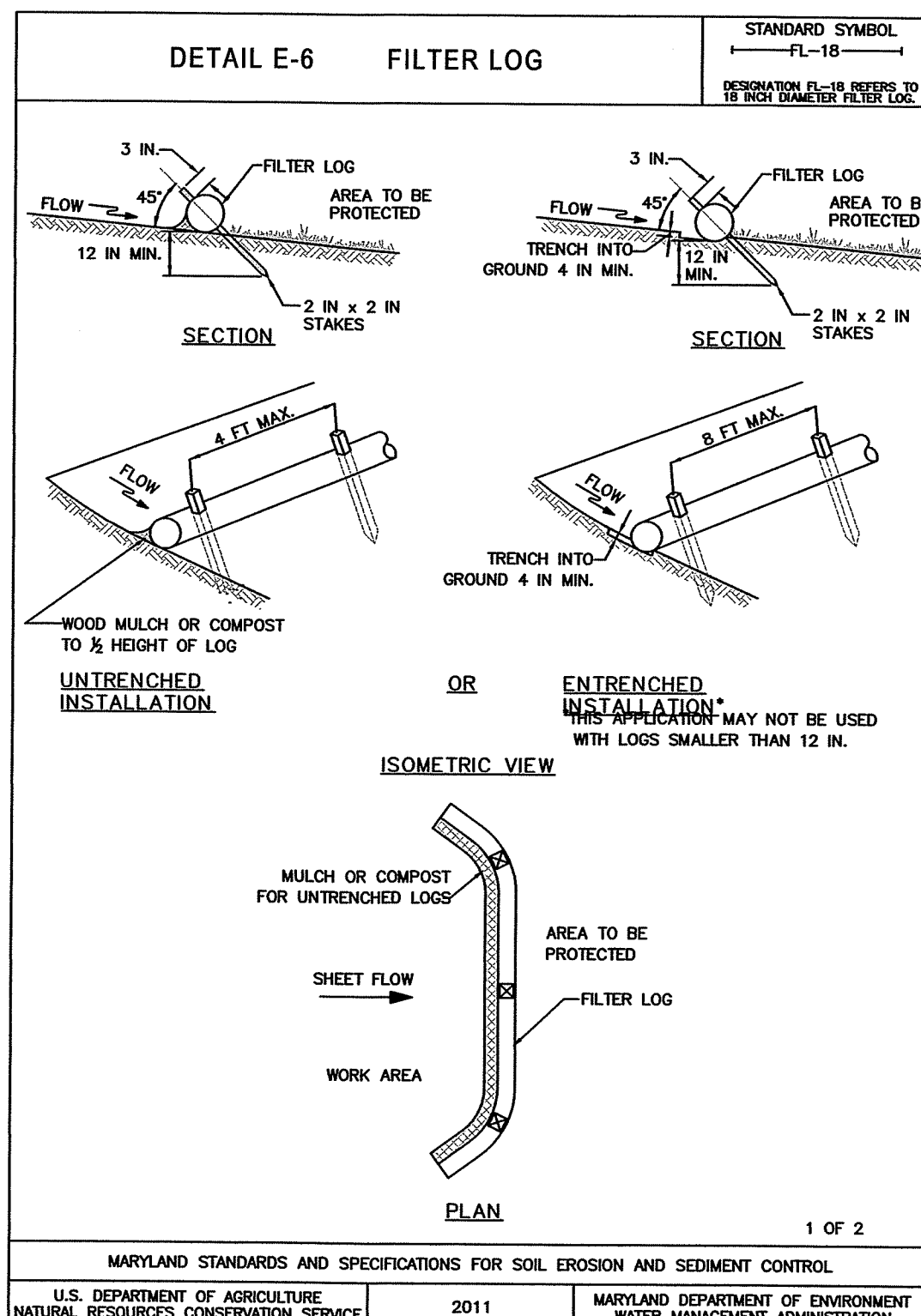
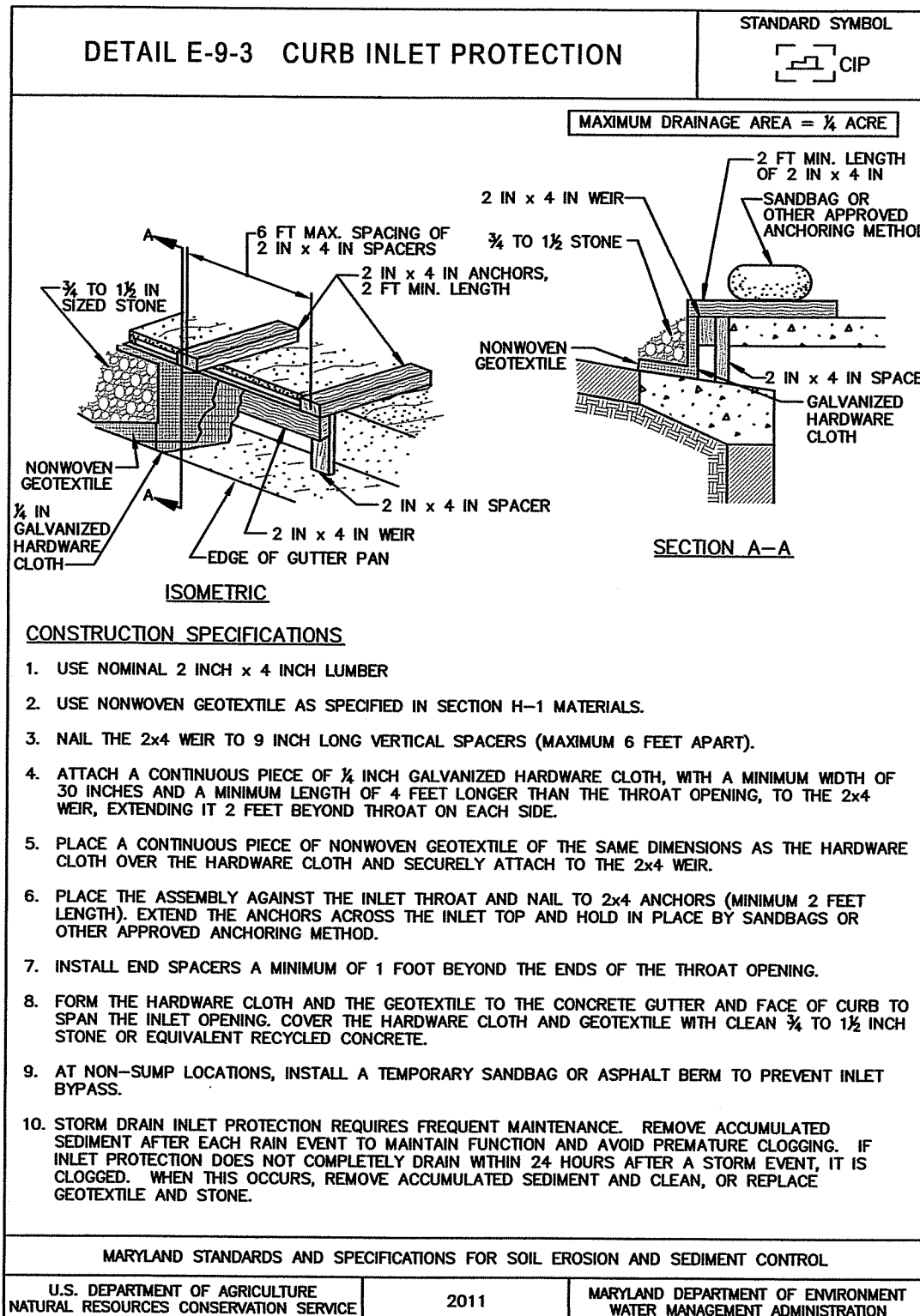
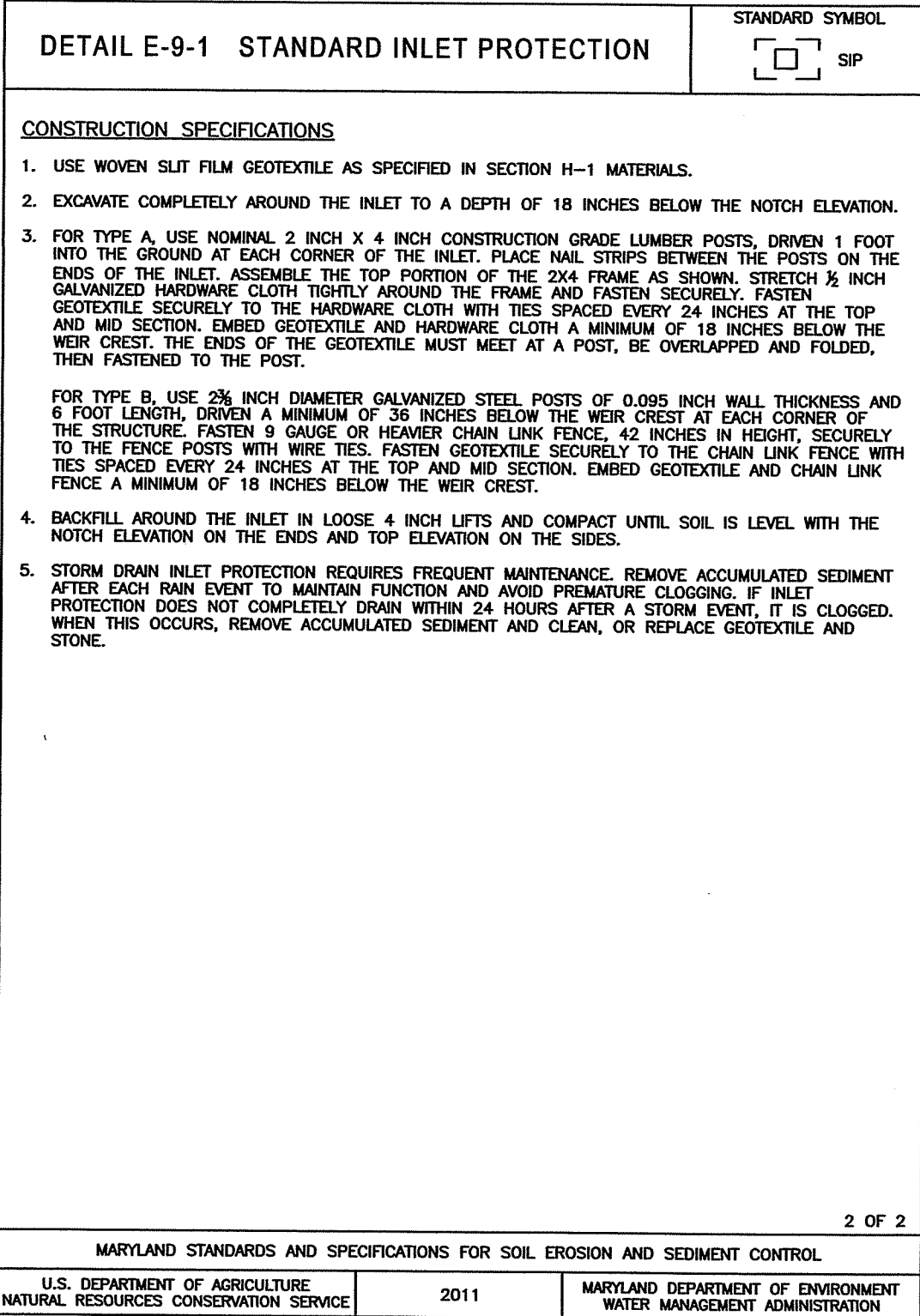
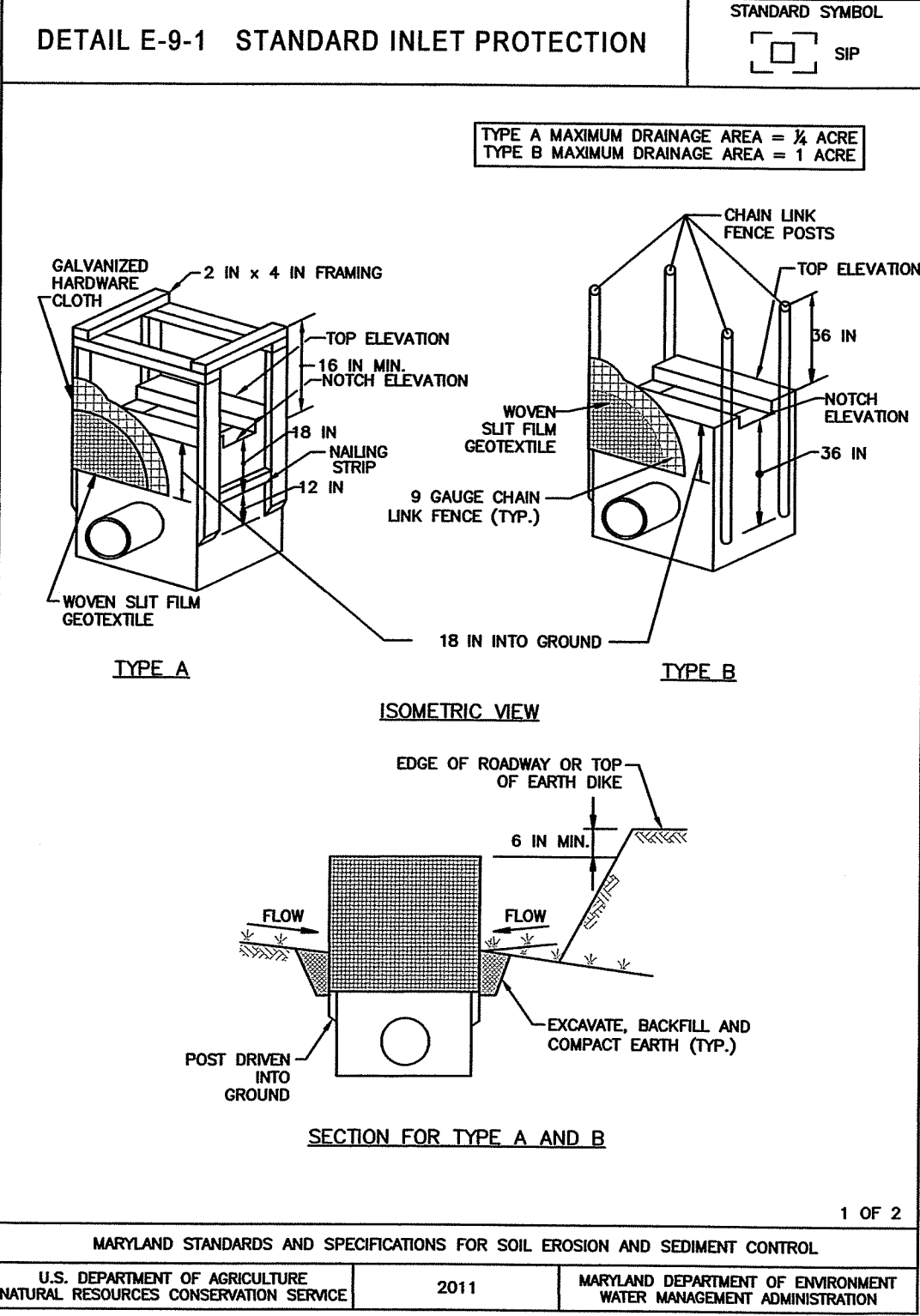
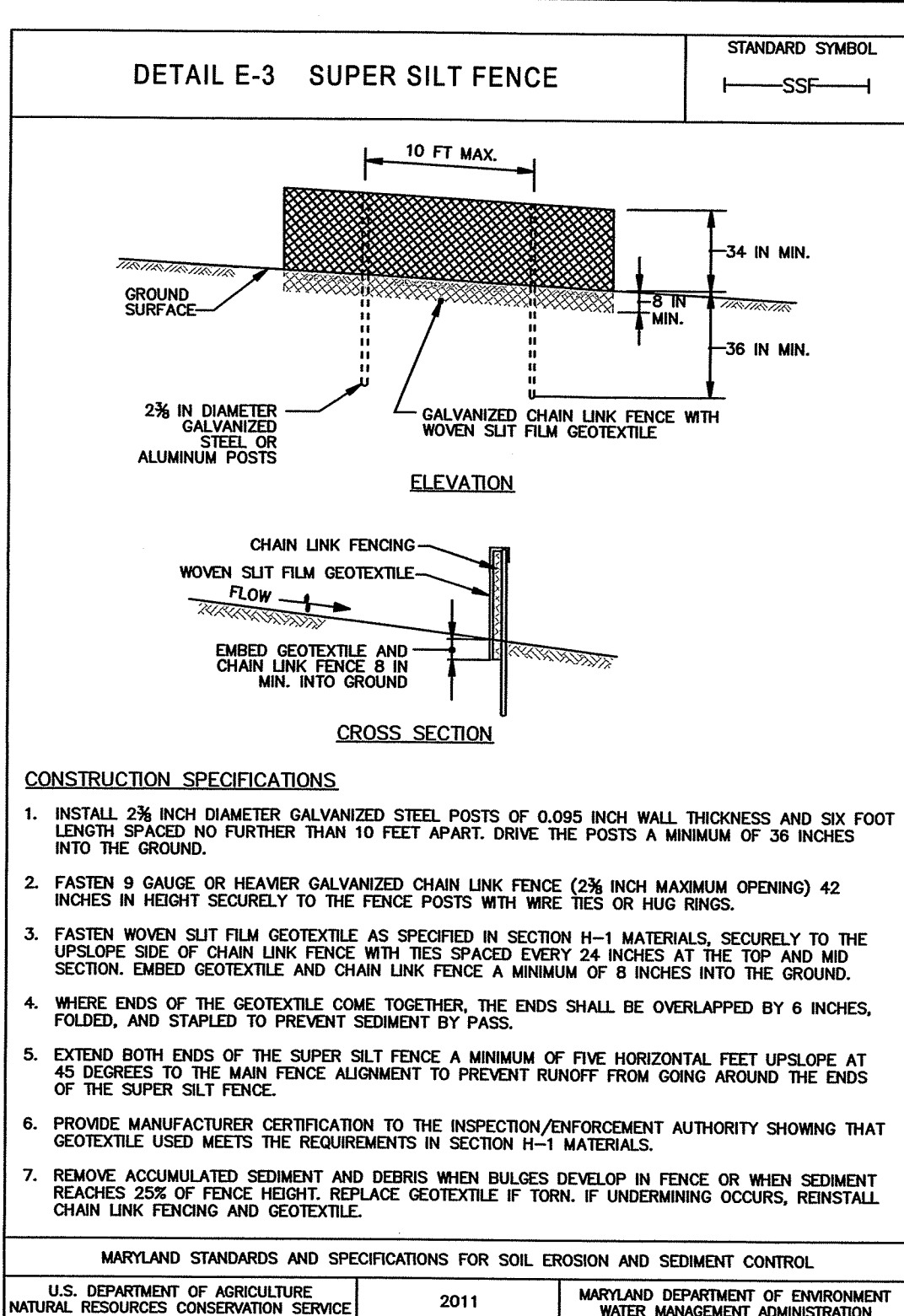
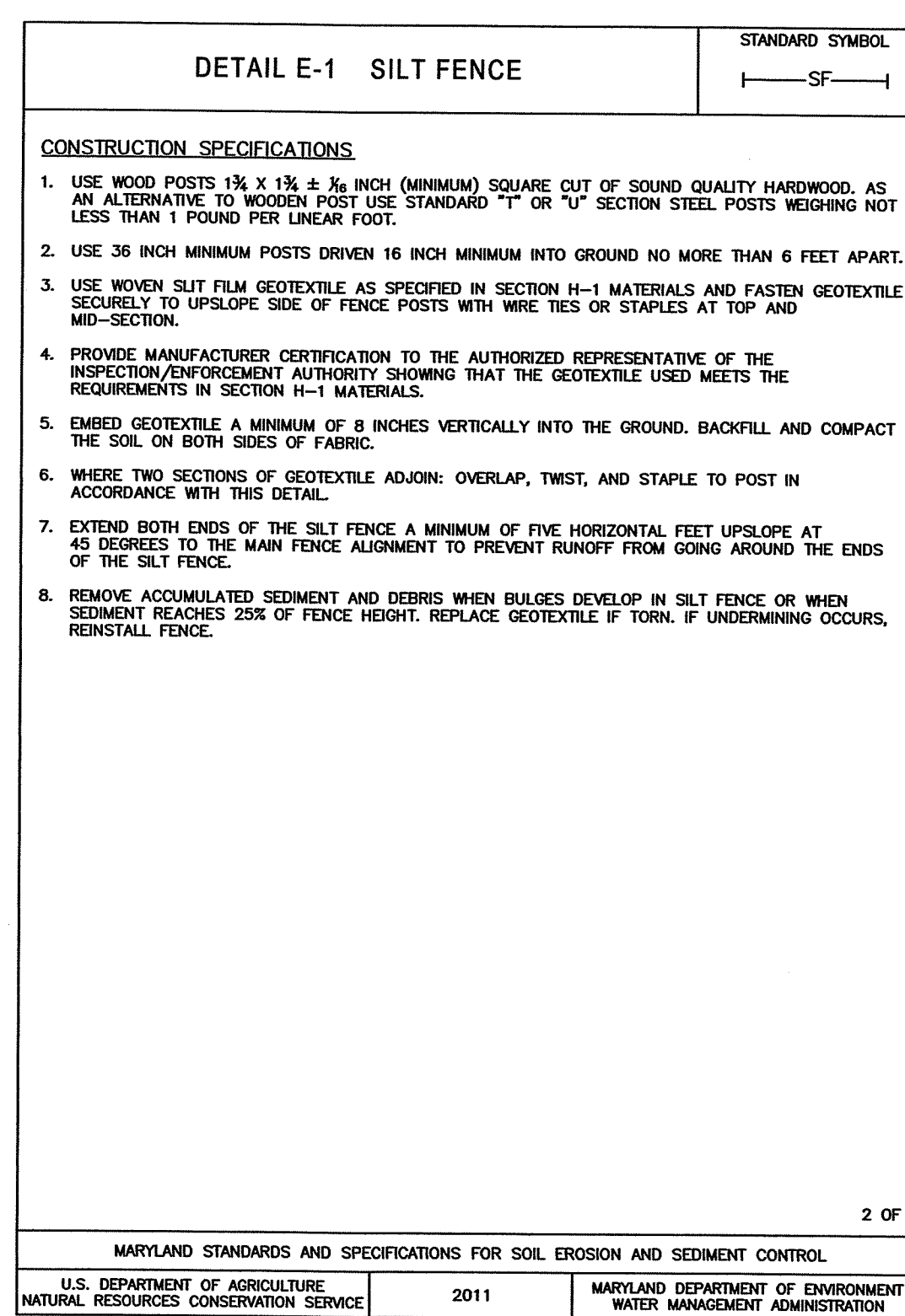
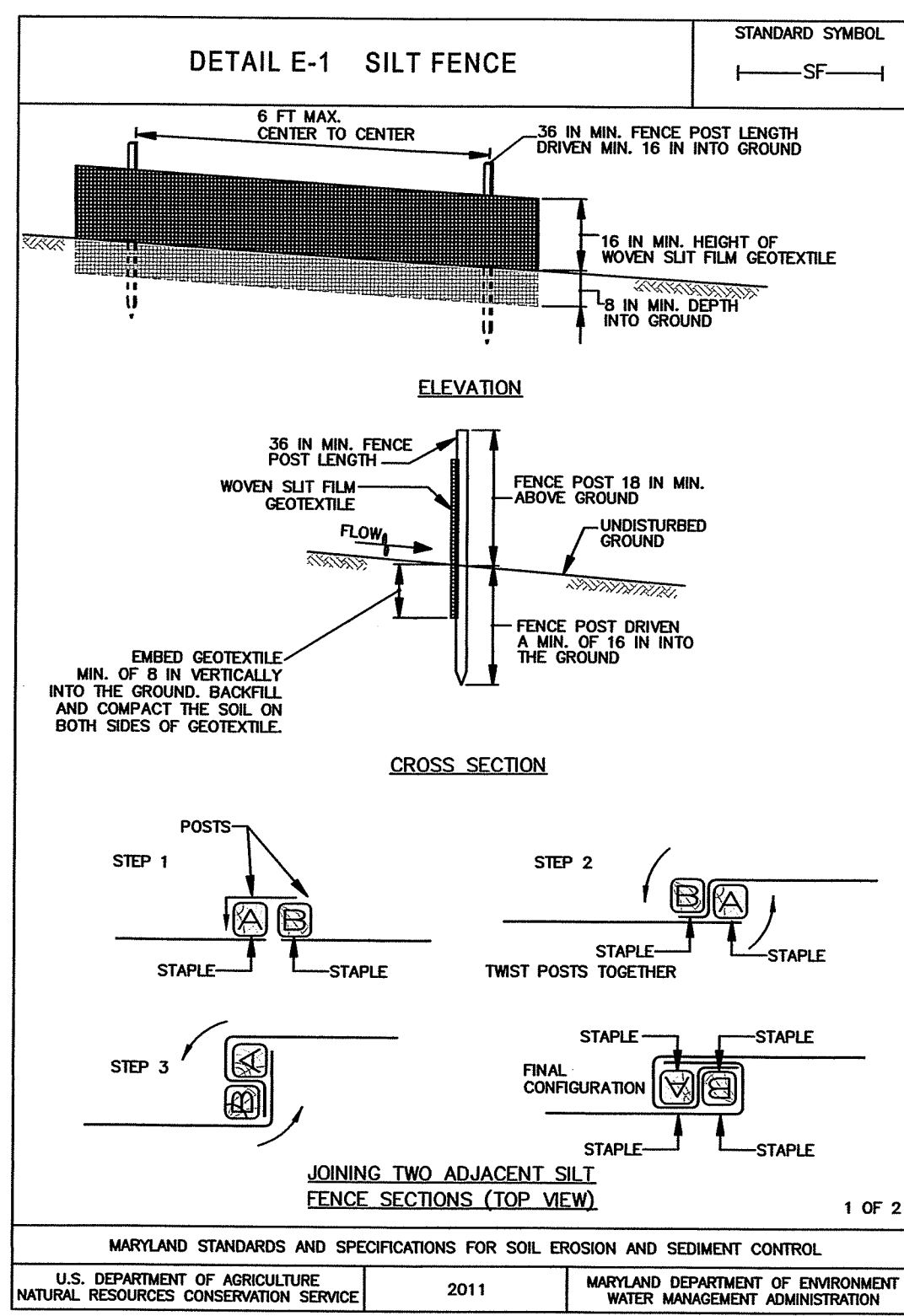
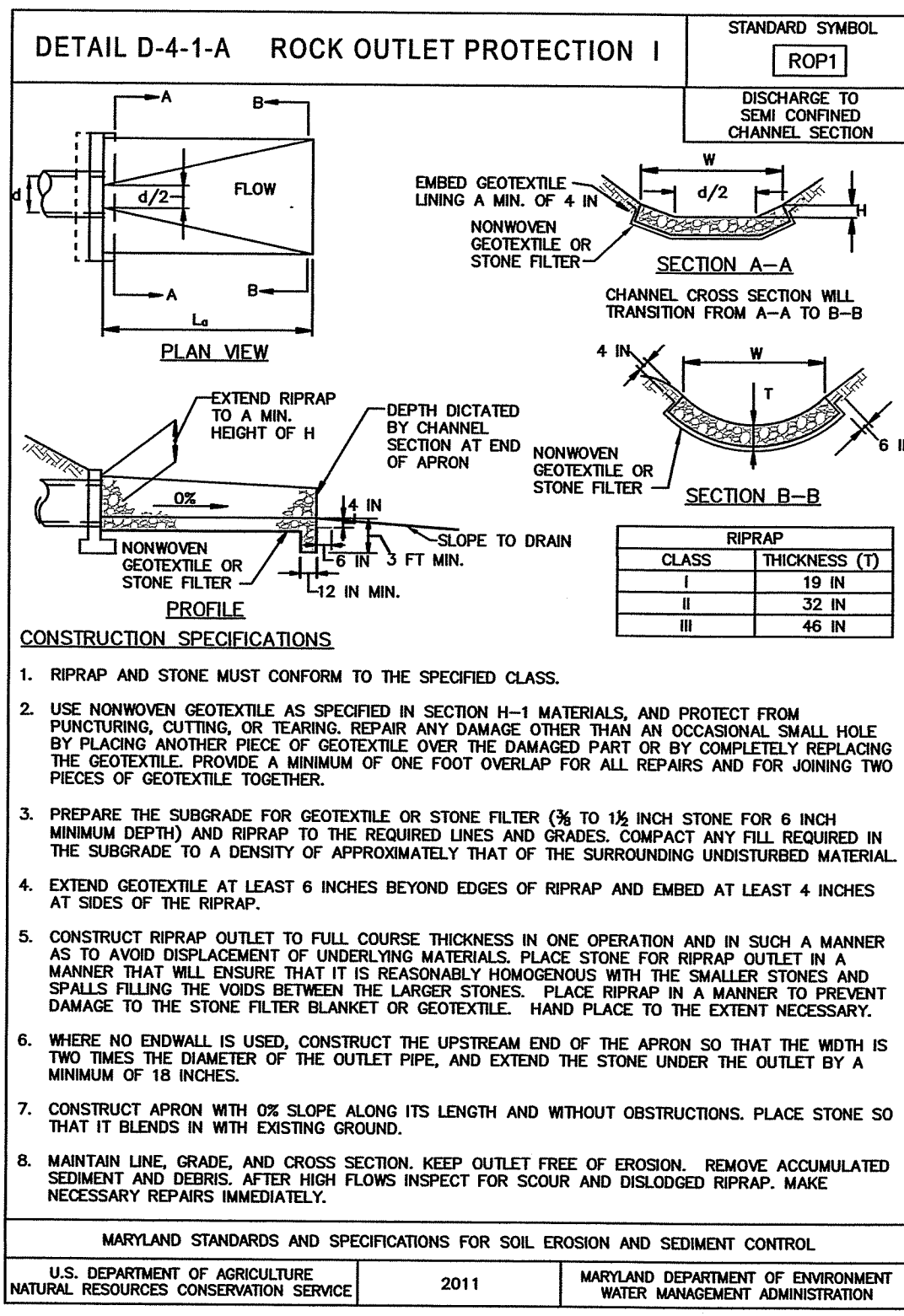
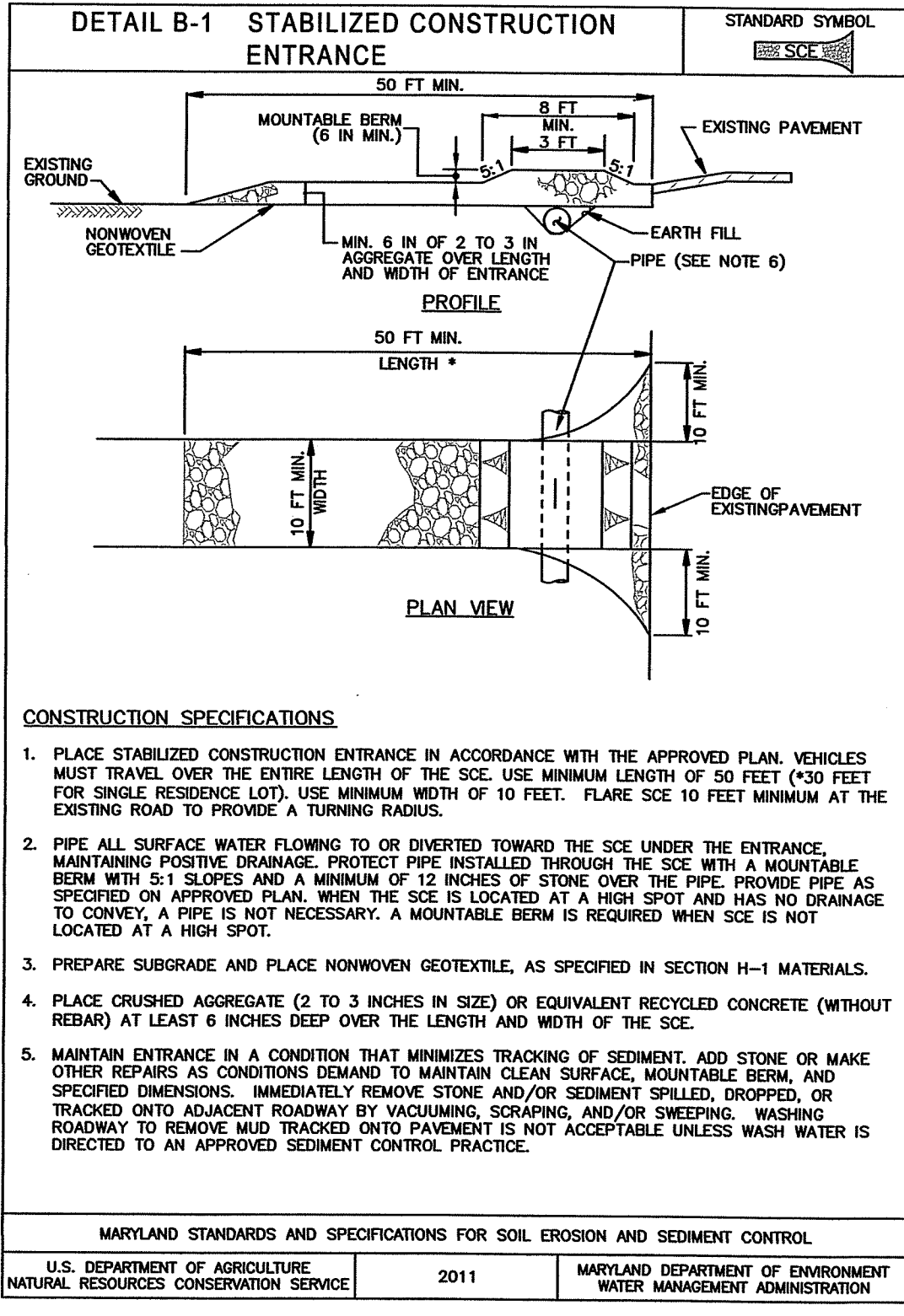


I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE NO.: 30709 EXP. DATE: 7/23/20

PROJECT NO.: 18-31407
DRAWING NO.: D-3480
DATE: OCTOBER 2019
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 34 OF 35



BEST MANAGEMENT PRACTICES FOR WORKING IN THE 100-YEAR FLOODPLAIN

- Install silt fence, immediately following clearing and grubbing, along the proposed limits of disturbance so that the disturbed easement within the 100-year floodplain is surrounded by an adequate perimeter control.
- Operation of equipment, and all other disturbances, must be limited to the easement that has been set apart by silt fence.
- Use previously excavated material as backfill, unless it contains waste metal products, unsightly debris, toxic material or any other deleterious substance. Use clean borrow material when excavated material is not suitable for use as backfill.
- Remove excess fill or construction material or debris to an upland disposal area.
- Make post construction grades and elevations within the easement the same as the original grades and elevations.
- Following completion of construction in the floodplain, that portion of the easement that was temporarily disturbed shall be stabilized with seed and mulch within 7 days. Mulch shall be anchored by approved methods.

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2295 SUSQUEHANNA TRAIL, SUITE C
YORK, PENNSYLVANIA 17404

BEST MANAGEMENT PRACTICES FOR WORKING IN NONTIDAL WETLANDS AND WATERS OF THE U.S.

- CONDUCT THE ACTIVITY SO AS NOT TO RESTRICT OR IMPEDE THE MOVEMENT OF WILDLIFE INDIGENOUS TO THE WETLAND OR ADJACENT WATERWAY.
- REMOVE EXCESS FILL OR CONSTRUCTION MATERIAL OR DEBRIS TO AN UPLAND DISPOSAL AREA.
- PLACE MATERIALS IN A LOCATION AND MANNER WHICH DOES NOT ADVERSELY IMPACT SURFACE OR SUBSURFACE WATER FLOW INTO OR OUT OF THE NONTIDAL WETLAND OR WATERS OF THE U.S.
- IF BACKFILL IS OBTAINED FROM SOURCES OTHER THAN THE ORIGINAL EXCAVATED MATERIAL, UTILIZE CLEAN FILL, FREE FROM WASTE METAL PRODUCTS, UNSIGHTLY DEBRIS, TOXIC MATERIAL, OR ANY OTHER DELETERIOUS SUBSTANCE.
- PLACE HEAVY EQUIPMENT ON MATS OR SUITABLY DESIGN THE EQUIPMENT TO PREVENT DAMAGE TO THE NONTIDAL WETLANDS OR WATERS OF THE U.S.
- RECTIFY ANY NONTIDAL WETLANDS OR WATERS OF THE U.S. TEMPORARILY IMPACTED BY ANY CONSTRUCTION.
- AFTER INSTALLATION HAS BEEN COMPLETED, MAKE POST-CONSTRUCTION GRADES AND ELEVATIONS OF NONTIDAL WETLANDS THE SAME AS THE ORIGINAL GRADES AND ELEVATIONS IN THE TEMPORARILY IMPACTED AREAS.
- ALL STABILIZATION IN THE WETLAND AND BUFFER SHALL BE OF THE FOLLOWING RECOMMENDED SPECIES: ANNUAL RYEGRASS (LOLIUM MULTIFLORUM), MILLET (SETARIA ITALICA), BARLEY (HORDEUM SPP.), OATS (Avena spp.), AND/OR RYE (SECALE CEREALE). THESE SPECIES WILL ALLOW FOR THE STABILIZATION OF THE SITE AS WELL AS ALLOW VOLUNTARY REVEGETATION OF NATURAL WETLAND SPECIES. OTHER NON-PERSISTENT VEGETATION MAY BE ACCEPTABLE, BUT MUST BE APPROVED BY THE DIVISION. KENTUCKY 31 FESCUE AND BIRDSFOOT TREFOIL SHALL NOT BE UTILIZED IN THE WETLAND OR WETLAND BUFFER AREAS. THE AREA SHOULD BE SEEDED AND MULCHED TO REDUCE EROSION AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.
- ADHERE TO TIME OF YEAR RESTRICTIONS AS BY THE DEPARTMENT UNDER COMAR 26.08.02.
- AT LEAST ON CULVERT IN EVERY STREAM CROSSING SHALL BE DEPRESSED AT LEAST ONE FOOT BELOW EXISTING STREAM BOTTOM UNDER THE LOW FLOW CONDITIONS. A LOW FLOW CHANNEL SHALL BE PROVIDED THROUGH ANY RIP-RAP STRUCTURES. THE CULVERT SHALL BE CONSTRUCTED AND ANY RIP RAP PLACED SO AS NOT TO OBSTRUCT THE MOVEMENT OF AQUATIC SPECIES.
- REPAIR AND MAINTAIN ANY SERVICEABLE STRUCTURE OR FILL SO THERE IS NO PERMANENT LOSS OF NONTIDAL WETLAND.

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MANAGER _____ DATE _____

FREDERICK SOIL CONSERVATION DISTRICT
SOIL EROSION AND SEDIMENT CONTROL PLAN APPROVAL

By: _____
Date: _____

SCD APPROVAL FOR SEDIMENT AND EROSION CONTROL IS CONTINGENT UPON ISSUANCE OF ALL APPLICABLE REGULATORY PERMITS.
(PLAN IS VALID FOR TWO YEARS FROM DATE OF APPROVAL)

OWNERS / DEVELOPERS CERTIFICATION

I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

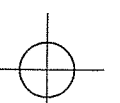
OWNER / DEVELOPER _____ DATE _____

ENGINEER DESIGN CERTIFICATION

I HEREBY CERTIFY THIS PLAN FOR SOIL EROSION AND SEDIMENT CONTROL HAS BEEN DESIGNED IN ACCORDANCE WITH LOCAL ORDINANCES, COMAR 26.17.01, 26.17.02 AND THE 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

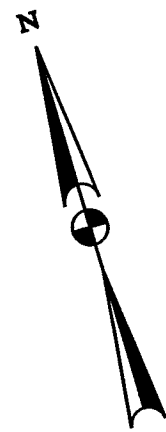
APPROVED: _____
JOSEPH H. GEE REG. NO. 30709 DATE 10/24/19

FREDER

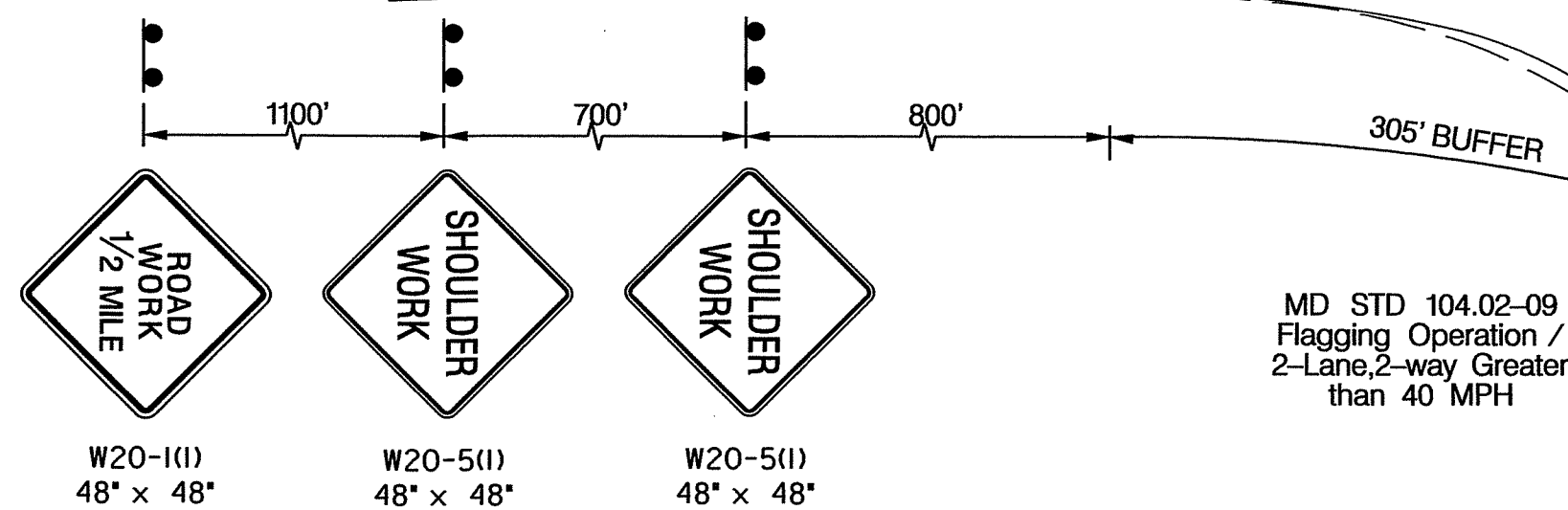


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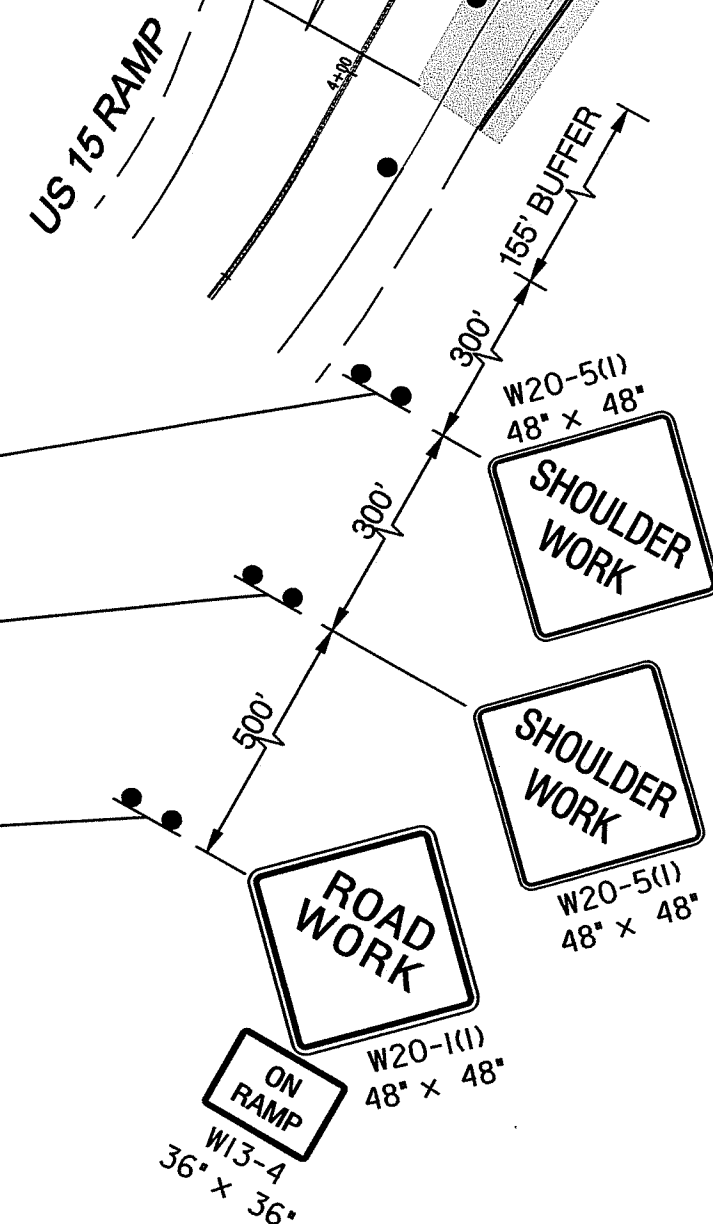
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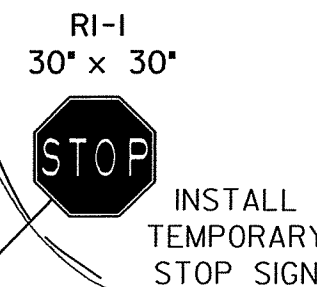
MD 140 (TANEYTOWN PIKE)



MD STD 104.02-09
Flagging Operation /
2-Lane, 2-way Greater
than 40 MPH



MD 140 (TANEYTOWN PIKE)



NOTE:
The following standards are required for this project:
MD 104.02-09 Flagging Operation /2-Lane, 2-way Greater than 40 MPH
MD 104.03-01 Shoulder Work/Multilane Undiv. Greater than 40 MPH
For all standards referred to on the plans the contractor must go to the Book of Standards which will have the most current version. The Book of Standards can be accessed at:
<http://apps.roads.maryland.gov/businesswithsha/bizstdsspecs/desmanualstdpub/publicationsonline/bhd/bookstd/index.asp>
All items are to be constructed in accordance with the current version of the referenced standard at the time of construction.

MATCH LINE SEE THIS SHEET

MD STD 104.02-09 Flagging Operation /
2-Lane, 2-way Greater than 40 MPH

MATCH LINE SEE THIS SHEET

- SEQUENCE OF OPERATION PHASE 2
1. INSTALL ADVANCE WARNING SIGNS AND CHANNELIZING DEVICES (DRUMS) (DESIGN SPEED IS 50 MPH FOR MD 43; 25 MPH FOR US 15 RAMP). TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THEY ARE NO LONGER NEEDED.
 2. BEGIN DEMOLITION OF EXISTING EASTBOUND ROAD SURFACE.
 3. CONSTRUCT ROADWAY IMPROVEMENTS AS PER ROADWAY PLANS. CONTRACTOR TO MILL EXISTING SURFACE AND INSTALL ROADWAY BASE COURSE ASPHALT SURFACE. FINAL PAVING SHALL BE INSTALLED UPON THE COMPLETION OF THIS PHASE.
 4. UPON COMPLETION OF THIS PHASE, INSTALL TEMPORARY PAVEMENT MARKINGS AS DETAILED. ALL CONFLICTING PAVEMENT MARKINGS NOT REMOVED DURING THE MILL OPERATION SHALL BE REMOVED.



PROFESSIONAL CERTIFICATION -
I HEREBY CERTIFY THAT THESE PLANS 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.: 21757
EXPIRATION DATE: 6-28-21

SCALE: 1"=40'

MOT PHASE 2
AMD PERMIT# 18APFR004XX
PRELIMINARY REVIEW

MAINTENANCE OF TRAFFIC PLAN
MD 140 (TANEYTOWN PIKE)

SCALE: 1" = 40'
DATE: OCTOBER 4, 2019
DESIGNED BY: F. BROWNLEY
CHECKED BY: J. DIRNDORFER
JOB NO.: 2018-0105
LOCATION: FREDERICK
DRAWING: 2 OF 2

The Traffic Group, Inc.
Suite H
9900 Franklin Square Drive
Baltimore, Maryland 21236
410-931-6600
1-800-583-8411
Fax 410-931-6601
"Merging Innovation and Excellence"®

PLOTTED: Friday, October 04, 2019 AT 02:30 PM

PLOTTED: Friday, October 04, 2019 AT 02:30 PM

BY: f.brownley -

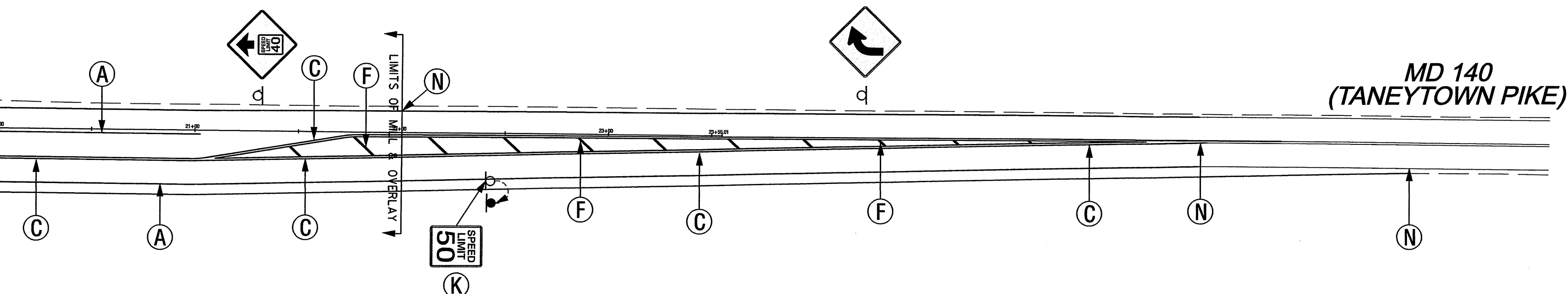
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MD 140
(TANEYTOWN PIKE)

CONSTRUCTION DETAILS

- INSTALL 5 IN. SOLID WHITE THERMOPLASTIC PAVEMENT MARKING FOR LANE LINE/ EDGE LINE.
- INSTALL 5 IN. DOTTED (3 FT. SEGMENT, 9 FT. GAP) WHITE THERMOPLASTIC PAVEMENT MARKING FOR LANE LINE.
- INSTALL 5 IN. SOLID DOUBLE YELLOW THERMOPLASTIC PAVEMENT MARKING FOR CENTER LINE.
- INSTALL 10 IN. SOLID WHITE THERMOPLASTIC PAVEMENT MARKING FOR EDGE LINE.
- INSTALL 12 IN. SOLID WHITE THERMOPLASTIC PAVEMENT MARKING FOR CROSSWALK.
- INSTALL 12 IN. SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING FOR GORE AREA.
- INSTALL 24 IN. SOLID WHITE THERMOPLASTIC PAVEMENT MARKING FOR STOP LINE.
- INSTALL WHITE THERMOPLASTIC PAVEMENT MARKING SYMBOL.
- INSTALL GROUND MOUNTED SIGN. WOOD SUPPORTS INSTALLED IN CONCRETE SHALL BE INSTALLED WITH SLEEVED FOUNDATIONS AS PER STANDARDS MD-812.05-01 AND MD-812.05-02.
- RELOCATE EXISTING GROUND MOUNTED SIGN. INSTALL ON NEW (WOOD/ STEEL) SIGN SUPPORTS. WOOD SUPPORTS INSTALLED IN CONCRETE SHALL BE INSTALLED WITH SLEEVED FOUNDATIONS AS PER STANDARDS MD-812.05-01 AND MD-812.05-02.
- REMOVE EXISTING PAVEMENT MARKING.
- REMOVE EXISTING SIGN AND POST.
- TIE TO EXISTING PAVEMENT MARKING.

MATCH LINE SEE THIS SHEET



LEGEND

- EXISTING GEOMETRICS
- PROPOSED GEOMETRICS
- EXISTING SIGN/PROPOSED SIGN
- EXISTING SIGN TO REMAIN
- EXISTING SIGN TO BE REMOVED

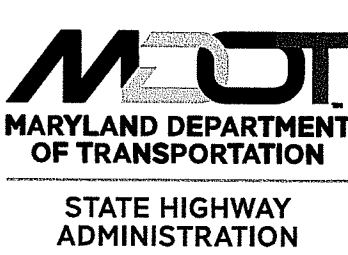
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PROFESSIONAL CERTIFICATION -
I HEREBY CERTIFY THAT THESE PLANS WERE
PREPARED OR APPROVED BY ME, AND THAT I
AM A DULY LICENSED PROFESSIONAL ENGINEER
UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO.: 21757
EXPIRATION DATE: 6-28-21

MD-AMD Tracking No.: 18APFR004XX

PRELIMINARY REVIEW



OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
RUTTERS EMMITSBURG
MD 140 (TANEYTOWN PIKE) AT
HEARNY ROAD/US 15 ON/OFF RAMP
EMMITSBURG, MARYLAND

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 40' DATE: OCTOBER 4, 2019 CONTRACT NO.: BW996M82
DESIGNED BY: F. BROWNLEY COUNTY: FREDERICK
DRAWN BY: F. BROWNLEY LOGMILE: LOGMILE
CHECKED BY: J. DIRNDORFER TMS NO.: TMS NO
MDE/PRD

DRAWING NO. SN 2.1 - 01 OF 01 SHEET NO. 1 OF 1