SIDEWALK ADA RAMP IMPROVEMENT PLANS

TOWN OF EMMITSBURG

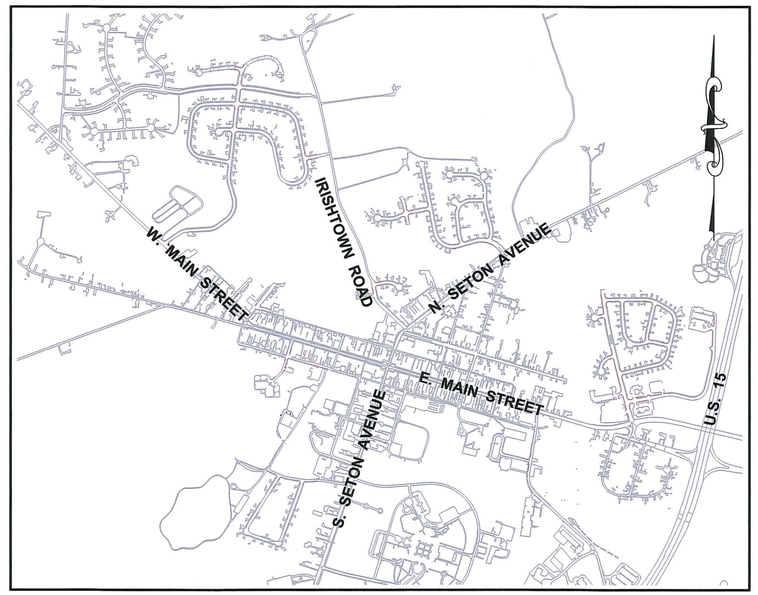
FREDERICK COUNTY , MARYLAND

LEGEND

- EX. STORM DRAIN
- EX. WATER
- EX. FIRE HYDRANT
- LIMITS OF DISTURBANCE
- RIGHT-OF-WAY LINE
- CURB & GUTTER
- EXIST. BUILDING
- PROPERTY LINE
- EXIST UTILITY POLE
- TREE LINE
- SINGLE TREE
- EXIST. SIGNS
- INLET PROTECTION
- EXISTING GUARD RAIL
- EXIST. GAS
- EXIST. SEWER

GENERAL NOTES

1. THIS PLAN WAS PREPARED WITHOUT BENEFIT OF A TITLE REPORT AND MAY NOT INDICATE ALL ENCUMBRANCES ON THE PROPERTY.
2. SUBSURFACE: FOX & ASSOCIATES, INC. HAS PERFORMED NO SUBSURFACE INVESTIGATION TO DETERMINE LOCATIONS OF ROCK, SOIL TYPES, WATER TABLE, UTILITIES, ETC.
3. ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH THE TOWN OF EMMITSBURG, FREDERICK COUNTY DUSWM GENERAL CONDITIONS AND STANDARD SPECIFICATIONS FOR WATER MAINS, SANITARY SEWERS AND RELATED STRUCTURES AND THE MDOT SHA 2019 "GREY BOOK".
4. INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATION WHEN NOT SPECIFIED.
5. CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777, TOWN OF EMMITSBURG DPW AT (301) 600-6300, AND MDOT SHA DISTRICT 7 (301) 624-8225, SEVENTY-TWO (72) HOURS PRIOR TO START OF CONSTRUCTION.
6. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS BEFORE BEGINNING CONSTRUCTION.
7. ALL CONSTRUCTION STATIONING IS APPROXIMATE AND MAY BE ADJUSTED IN ORDER TO MEET FIELD CONDITIONS. CONTACT THE TOWN OF EMMITSBURG INSPECTOR, TOWN'S PROJECT ENGINEER ARRO CONSULTING, INC. AT 301-791-1100, MDOT SHA DISTRICT 7 (301) 624-8225 AND FOX & ASSOCIATES, INC. PRIOR TO MAKING ANY MODIFICATIONS.
8. 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.
9. ALL MATERIALS EXCAVATED WHICH ARE UNSUITABLE FOR BACKFILL SHALL BE DISPOSED OF AT AN APPROVED LOCATION THAT HAS AN ACTIVE PERMIT FOR DISPOSAL OF EACH CATEGORY OF MATERIAL BEING DISPOSED OF.
10. CONTRACTOR SHALL NOTIFY FREDERICK COUNTY ENVIRONMENTAL COMPLIANCE SECTION (301-600-3507) AND MDOT SHA DISTRICT 7 (301) 624-8225. AT LEAST 3 DAYS PRIOR TO START OF WORK.
11. JOB SITE SAFETY SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
12. NO BLASTING WILL BE ALLOWED FOR SITE CONSTRUCTION.
13. SOILS INFORMATION TAKEN FROM "SOILS SURVEY OF FREDERICK COUNTY", 2014 EDITION.
14. 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.
15. 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.
16. EXCAVATION WITHIN A STATE ROAD RIGHT-OF-WAY WILL REQUIRE A PERMIT ISSUED BY THE MARYLAND STATE HIGHWAY ADMINISTRATION (SHA).
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING SILT AND DEBRIS OUT OF THE STORM DRAINAGE SYSTEM FOR THE DURATION OF THE CONTRACT.
18. 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 ADMINISTRATION'S BOOK OF STANDARDS, LATEST EDITIONS.
19. ALL BENCHMARKS SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION UNTIL TOWN HAS GRANTED FINAL APPROVAL TO THE PROJECT.
20. 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.
21. 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 AND/OR MDOT SHA DISTRICT 7. 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.
22. CONTRACTOR IS RESPONSIBLE FOR ALL COSTS RELATED TO TEMPORARY AND PERMANENT TRAFFIC CONTROL (PAVEMENT MARKINGS, SIGNAGE, SIGNALIZATION, TRAFFIC BARRIERS, FLAGGERS, ETC.).
23. 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.
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 OF EMMITSBURG AND MDOT SHA DISTRICT 7, 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. THESE DRAWINGS REPRESENT THE FINISHED PRODUCT, 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.
28. ALL SIDEWALK AND RAMPS SHALL BE 60" WIDE UNLESS OTHERWISE SHOWN ON THE PLANS AND DETAILS. TAPER SIDEWALK TO EXISTING IN ACCORDANCE WITH STD. NO. MD-655.02 UNLESS NOTED OTHERWISE. SIDEWALK CROSS SLOPE SHALL BE 2%. WHERE THE SIDEWALK TRANSITIONS TO THE EXISTING SIDEWALK THE CROSS SLOPE SHALL TRANSITION TO EXISTING OVER 5', OR AS SHOWN ON THE DETAILS.
29. ALL DISTURBED AREAS SHALL BE STABILIZED AS SHOWN ON PLANS AND RECEIVE ADDITIONAL WATERING.
30. DIMENSIONS AND STATIONS ARE APPROXIMATE.
31. SIDEWALK RECONSTRUCTION LIMITS SHALL COINCIDE WITH CRACK CONTROL JOINTS (JOINTER GROOVES) OR EXPANSION JOINTS IN EXISTING SIDEWALK. NEW EXPANSION JOINTS SHALL BE PROVIDED AT THE INTERFACE OF EXISTING AND PROPOSED SIDEWALK. SEE SHA STANDARD MD-655.01.
32. INSTALL DETECTABLE WARNING SURFACE ON SIDEWALK RAMPS AS PER SHA STANDARD MD-655.40. DETECTABLE WARNING SURFACES SHALL EXTEND THE FULL WIDTH OF THE CURB DEPRESSION. ALL PROPOSED DETECTABLE WARNING SURFACES SHALL BE CAST IN PLACE IN NEW FULL DEPTH CONCRETE. SURFACE APPLIED (ADHESIVE, BOLT DOWN OR OTHER) SHALL NOT BE PERMITTED.
33. FORM NEW SIDEWALK AND EXPANSION JOINT MATERIAL AROUND EXISTING UTILITY POLES, MANHOLE COVERS, VALVE COVERS AND FIRE HYDRANTS AS NECESSARY.
34. MATCH EXISTING ELEVATIONS AT THE EDGE OF PROPOSED SIDEWALK, SIDEWALK RAMPS AND CURB AND GUTTER.
35. RESET ANY SIGNS DISTURBED BY THE CONSTRUCTION AS DIRECTED BY THE ENGINEER.
36. THE CONTRACTOR SHALL ADJUST EXISTING SURFACE UTILITY FRAMES AND COVERS, WATER VALVE AND WATER METERS TO PROPOSED GRADES. THE CONTRACTOR SHALL REPLACE SURFACE UTILITY FRAME AND COVERS, WATER VALVES AND WATER METERS THAT CANNOT BE ADJUSTED TO PROPOSED GRADE. THE COST OF ADJUSTMENTS OR REPLACEMENTS SHALL BE INCIDENTAL TO THE SIDEWALK, SIDEWALK RAMP OR ENTRANCE WORK.
37. EXISTING INLETS SHALL NOT BE DAMAGED DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE INLETS DAMAGED BY CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST TO THE OWNER.
38. EXISTING CURB HEIGHTS PROVIDED ON THE PLANS SHALL BE VERIFIED BY THE CONTRACTOR. RAMP AND DRIVEWAY TRANSITION LENGTHS SHALL BE VERIFIED IN THE FIELD ACCORDING TO SHA STANDARDS MD-630.01, MD-630.02, MD-655.11, MD-655.12 AND MD-655.13.
39. ALL CURB REPLACEMENTS THAT END ADJACENT TO PARKING LOT DRIVEWAY ENTRANCES SHALL BE CONSTRUCTED NOSE DOWN TO MATCH EXISTING GRADE OR AS DIRECTED BY THE ENGINEER.
40. EXISTING TREES, SHRUBS AND THEIR RESPECTIVE ROOT SYSTEMS SHALL NOT BE DISTURBED DURING CONSTRUCTION. UNLESS OTHERWISE NOTED.
41. PAVEMENT MARKINGS IMPACTED BY THE WORK SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER. COST SHALL BE INCIDENTAL TO THE ADJACENT WORK. PAVEMENT MARKINGS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED.
42. ANY LANDSCAPING OR PLANTS DAMAGED DURING CONSTRUCTION SHALL BE PLACED AT THE CONTRACTOR'S EXPENSE.
43. ALIGN PROPOSED CURB RAMPS WITH EXISTING OR PROPOSED CROSSWALKS, WHERE APPLICABLE AS DIRECTED BY ENGINEER.
44. THE REMOVAL OF PAVEMENT MARKING PAINT OR THERMOPLASTIC SHALL BE PERFORMED USING WATERBLASTING.



VICINITY MAP

SCALE: 1" = 800'

SHEET INDEX

SHEET No.	DESCRIPTION
1	COVERSHEET
2	OVERALL PLAN
3	SIDEWALK PLAN
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7	SIDEWALK PLAN
8	SIDEWALK PLAN
9	SIDEWALK PLAN
10	SIDEWALK PLAN
11	SIDEWALK DETAILS
12	SIDEWALK DETAILS
13	SIDEWALK DETAILS
14	SIDEWALK DETAILS
15	SEDIMENT & EROSION CONTROL NOTES AND DETAILS
16	SEDIMENT & EROSION CONTROL NOTES AND DETAILS

FIRE & RESCUE NOTES:

1. FIRE DEPARTMENT ACCESS ROADS SHALL BE ACCESSIBLE DURING ALL TYPES OF WEATHER AND AT ALL TIMES.
2. FIRE DEPARTMENT ACCESS ROADS SHALL BE CAPABLE OF SUPPORTING FIRE APPARATUS AT ALL TIMES AND BE A MINIMUM OF 18 FEET WIDE.
3. FIRE DEPARTMENT ACCESS SHALL BE PROVIDED AND MAINTAINED TO ALL STRUCTURES UNDERGOING CONSTRUCTION, ALTERATION OR DEMOLITION.
4. THE ACCESS ROADWAYS SHALL PROVIDE A MINIMUM TURNING RADIUS OF 40 TO 45 FEET.
5. STREETS AND FIRE HYDRANTS/WATER MAINS ARE REQUIRED TO BE CONSTRUCTED AND IN SERVICE PRIOR TO THE START OF ANY VERTICAL BUILDING CONSTRUCTION.
6. 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).
7. 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).

PROJECT DESCRIPTION

PROJECT INCLUDES CONSTRUCTION OF NEW AND REPLACEMENT OF EXISTING ADA ACCESSIBLE SIDEWALK RAMPS.

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 _____

DISTURBED AREA QUANTITY

THE TOTAL AREA TO BE DISTURBED SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE APPROXIMATELY 38,523 SQ. FT. AND THE TOTAL AMOUNT OF EXCAVATION AND FILL AS SHOWN ON THESE PLANS HAS BEEN COMPUTED TO BE APPROXIMATELY - CU. YDS. * OF EXCAVATION AND APPROXIMATELY - CU. YDS. * OF FILL.

JOSEPH H. CECI, P.E. REG. No. 30709 _____ DATE _____

* 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. CECI _____ REG. NO. 30709 _____ DATE 9/18/2020

PROFESSIONAL CERTIFICATION

STATE OF MARYLAND
JOSEPH H. CECI
No. 30709
PROFESSIONAL ENGINEER

9/18/2020

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: 7/23/22

DATE	REVISION

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MAYOR _____ DATE _____

PLANNING COMMISSION CHAIRMAN _____ DATE _____

CDD - Dev. Review

File :

A / P # :

Due Date :

PROJECT NO.	20-31621
DRAWING NO.	D - 3504
DATE:	SEPTEMBER 2020
DRAWN BY:	JWE
CHECKED BY:	JHC

SHEET 1 OF 15

PREPARED BY

FOX & ASSOCIATES, INC.

ENGINEERS • SURVEYORS • PLANNERS

981 MT. AETNA ROAD
HAGERSTOWN, MD. 21740
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or (301)416-7250
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FOX & ASSOCIATES INC. EST. 1966

OWNER/DEVELOPER:
THE TOWN OF EMMITSBURG
300A S. SETON AVE.
EMMITSBURG, MD 21727
301-600-6300

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OWNER/DEVELOPER:
THE TOWN OF EMMITSBURG
300A S. SETON AVE.
EMMITSBURG, MD 21727
301-600-6300

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MAYOR DATE

PLANNING COMMISSION CHAIRMAN DATE

RAMPS 41, 52, 54, 59, 60 & 61 PURPOSELY OMITTED

LOCATION	STREET	INTERSECTING STREET
1	Cedar Ave	Mid Block
2	Cedar Ave	Mountaineers Way
3	Cedar Ave	Mountaineers Way
4	Cedar Ave	Mountaineers Way
5	Cedar Ave	Mountaineers Way
6	Cedar Ave	Willow Dr.
7	Timbermill Run	Huntley Cr.
8	Timbermill Run	Huntley Cr.
9	Timbermill Run	Huntley Cr.
10	Timbermill Run	Huntley Cr.
11	Timbermill Run	Ramblewood Dr.
12	Timbermill Run	Ramblewood Dr.
13	Ramblewood Dr.	Heatherwind Dr.
14	Ramblewood Dr.	Heatherwind Dr.
15	Timbermill Run	Ramblewood Dr.
16	Timbermill Run	Ramblewood Dr.
17	Timbermill Run	Ramblewood Ct.
18	Timbermill Run	Ramblewood Ct..
19	Timbermill Run	Brookfield Dr.
20	Timbermill Run	Brookfield Dr.
21	Timbermill Ct.	Brookfield Dr.
22	Timbermill Ct.	Brookfield Dr.
23	Timbermill Ct.	Wheatley Dr.
24	Timbermill Ct.	Wheatley Dr.
25	Brookfield Dr.	Carrick Ct.
26	Brookfield Dr.	Carrick Ct.
27	Brookfield Dr.	Pembrook Ct.
28	Brookfield Dr.	Pembrook Ct.
29	Brookfield Dr.	Stonehurst Dr.
30	Brookfield Dr.	Stonehurst Dr.
31	Brookfield Dr.	Tract Rd.
32	Brookfield Dr.	Tract Rd.
33	Timbermill Run	W. Main St. MD 140
34	Provincial Pkwy.	Mid Block
35	Provincial Pkwy.	Zanella Dr.
36	Provincial Pkwy.	Zanella Dr.
37	Provincial Pkwy.	Adams Ave.
38	Provincial Pkwy.	Adams Ave.
39	Adams Ave	Williams Ct.
40	Provincial Pkwy.	Mid Block
42	Zanella Dr.	Adams Ave.
43	Zanella Dr.	Adams Ave.
44	Provincial Pkwy.	Irishtown Ct.
45	Provincial Pkwy.	Irishtown Ct.
46	Irishtown Ct.	Irishtown Dr.
47	Irishtown Ct.	Irishtown Dr.
48	Irishtown Ct.	Irishtown Dr.
49	Irishtown Ct.	Irishtown Dr.
50	Silo Hill Rd.	Jubilee Parking Lot Entrance
51	Silo Hill Rd.	Jubilee Parking Lot Entrance
53	Silo Hill Pkwy.	McDonalds Entrance
55	Silo Hill Pkwy.	Exxon Gas Station Entrance
56	Silo Hill Pkwy.	Exxon Gas Station Entrance
57	Silo Hill Pkwy.	McDonalds Entrance
58	Silo Hill Pkwy.	Exxon Gas Station Entrance
62	Silo Hill Pkwy.	Entrance to Future Parking Lot
63	Silo Hill Pkwy.	Entrance to Future Parking Lot
64	Silo Hill Pkwy.	Sleep Inn & Suites Parking Lot
65	Silo Hill Pkwy.	Sleep Inn & Suites Parking Lot
66	Silo Hill Rd.	Entrance to Strip Mall
67	Silo Hill Rd.	Entrance to Strip Mall
68	Silo Hill Rd.	Mid Block
69	Silo Hill Rd.	Robindale Dr.
70	Silo Hill Rd.	Robindale Dr.
71	Robindale Dr.	Heritage Ln.
72	Robindale Dr.	Heritage Ln.
73	Robindale Dr.	Mid Block
74	Robindale Dr.	University Dr.
75	Robindale Dr.	University Dr.
76	Heritage Ln.	University Dr.
77	Heritage Ln.	University Dr.
78	Robindale Dr.	Heritage Ln.
79	Robindale Dr.	Heritage Ln.
80	Silo Hill Rd.	Robindale Dr.
81	Silo Hill Rd.	Mid Block
82	Silo Hill Rd.	Robindale Dr.
83	Silo Hill Rd.	Academy Ct.
84	Silo Hill Rd.	Academy Ct.
85	Silo Hill Rd.	Flat Run Ct.
86	Silo Hill Rd.	Flat Run Ct.
87	Potomac St.	Chesapeake Ave.
88	Creamery Rd.	Mother Seton School Entrance
89	Creamery Rd.	Mother Seton School Entrance
90	Creamery Rd.	Mother Seton School Entrance
91	Creamery Rd.	Mother Seton School Entrance
92	Creamery Rd.	E. Lincoln Ave.
93	Creamery Rd.	E. Lincoln Ave.
94	E. Lincoln Ave.	Mid Block
95	E. Lincoln Ave.	Entrance to Daughters of Charity
96	E. Lincoln Ave.	Entrance to Daughters of Charity
97	Lincoln Ave.	Chesapeake Ave.
98	Lincoln Ave.	Chesapeake Ave.
99	W. Lincoln Ave.	S. School Ln.
100	W. Lincoln Ave.	Willow Dr.
101	W. Lincoln Ave.	Willow Dr.
102	W. Lincoln Ave.	Community Pool Entrance
103	W. Lincoln Ave.	Community Pool Entrance
104	W. Lincoln Ave.	Community Pool Entrance
105	W. Lincoln Ave.	Community Pool Entrance
106	W. Lincoln Ave.	Patterson Ave.
107	W. Lincoln Ave.	Patterson Ave.
108	Patterson Ave.	Christ's Church Entrance
109	Patterson Ave.	Christ's Church Entrance
110	Patterson Ave.	Lincoln on the Park Entrance
111	W. Lincoln Ave.	Patterson Ave.
112	Warthens Ct	Warthens Way
113	Welty Ave.	Mid Block
114	Welty Ave.	W. North Ave.
115	Depaul St.	Federal Ave.
116	Depaul St.	Federal Ave.
117	Depaul St.	Federal Ave.
118	Depaul St.	St. Josephs Ln.
119	Depaul St.	St. Josephs Ln.
120	Depaul St.	St. Josephs Ln.
121	Depaul St.	St. Josephs Ln.
122	Irishtown Rd.	Mid Block
123	Irishtown Rd.	Emmit Ct.
124	Irishtown Rd.	Waycross Ct.
125	Irishtown Rd.	Waycross Ct.
126	Willow Dr.	Town Park
127	Willow Dr.	Town Park
128	Willow Dr.	Town Park
129	Willow Dr.	Town Park
130	Willow Dr.	Town Park
131	Willow Dr.	Town Park
132	Silo Hill Pkwy.	McDonalds Entrance
133	Memorial Dr.	City Park
134	Memorial Dr.	City Park
135	Memorial Dr.	City Park
136	Memorial Dr.	City Park
137	Cedar Ave	Mid Block

FOX & ASSOCIATES INC.
Est. 1966

FOX & ASSOCIATES, INC.
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DRAWN BY

REVISION

DATE

OVERALL PLAN
TOWN OF EMMITSBURG

SITUATED IN THE TOWN OF EMMITSBURG
TOWN OF EMMITSBURG, ELECTION DISTRICT NO. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 300'

PROFESSIONAL CERTIFICATION

STATE OF MARYLAND
JOSEPH H. CECOT
No. 30709
PROFESSIONAL ENGINEER
9/10/2020

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: 7/23/22

PROJECT NO. 20-31621
DRAWING NO. D - 3504
DATE: SEPTEMBER 2020
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 2 OF 15

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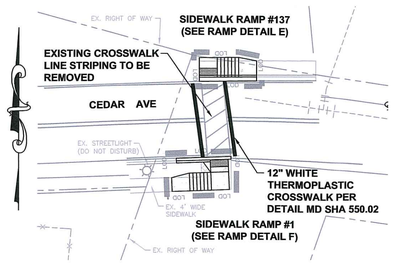

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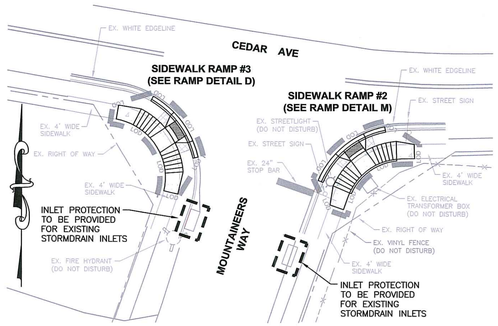
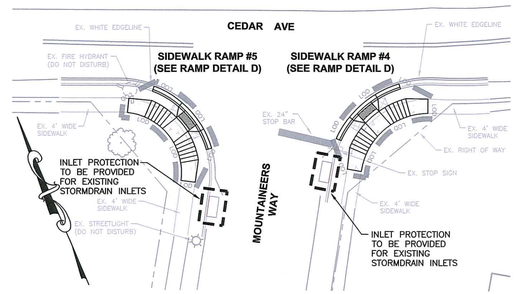
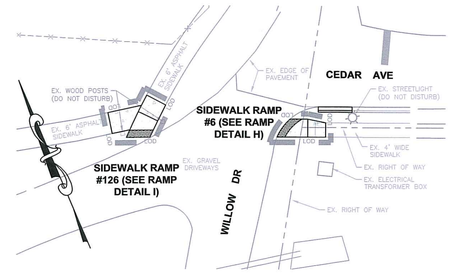


ADA RAMP # 2 & 3



ADA RAMP # 4 & 5



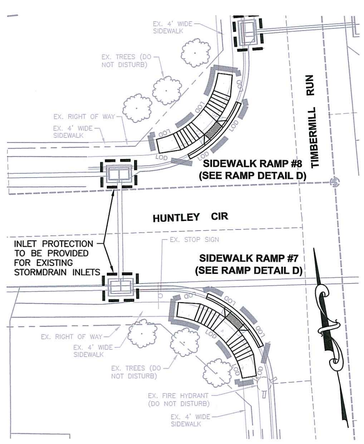
ADA RAMP # 6 & 126

PROPOSED ASPHALT PAVING

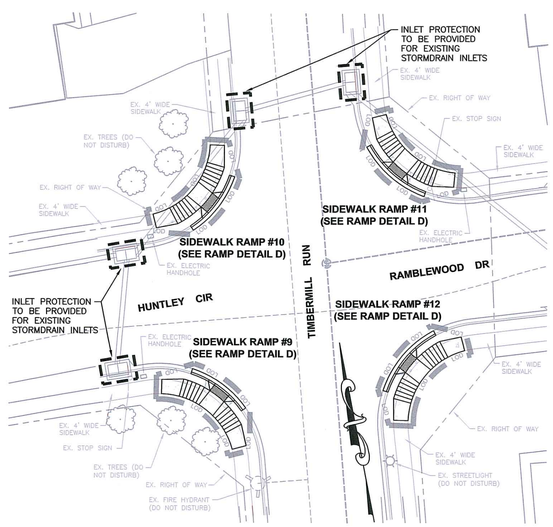
PROPOSED CONCRETE SIDEWALK AND ADA RAMP

REMOVE EXISTING CONCRETE CURB & GUTTER, RAMP AND SIDEWALK

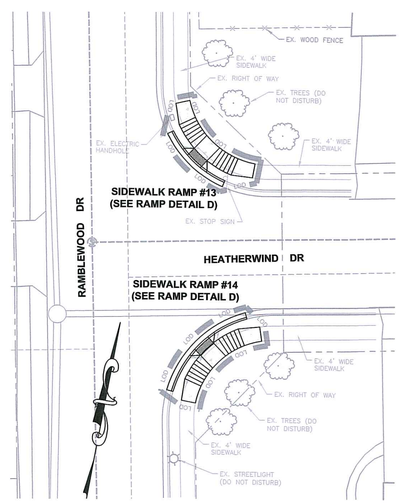
LOD LIMITS OF DISTURBANCE



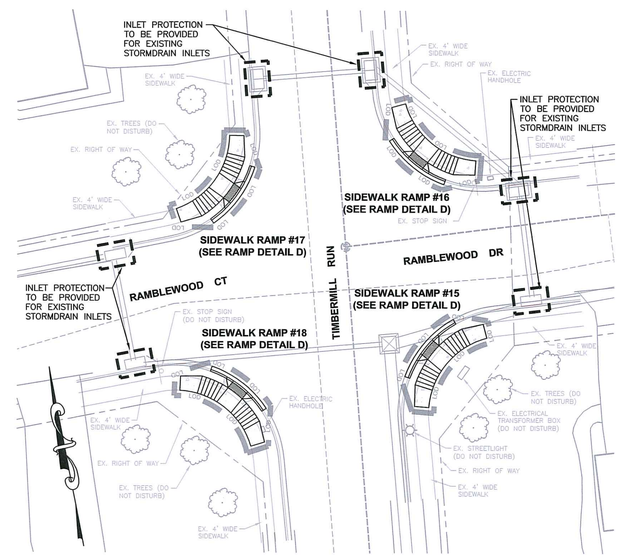
ADA RAMP # 7 & 8



ADA RAMP # 9 - 12



ADA RAMP # 13 & 14



ADA RAMP # 15 - 18

OWNER/DEVELOPER:
THE TOWN OF EMMITSBURG
300A S. SETON AVE.
EMMITSBURG, MD 21727
301-600-6300

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MAYOR DATE

PLANNING COMMISSION CHAIRMAN DATE

FOX & ASSOCIATES INC.
Est. 1966

FOX & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS
981 MT. AETNA ROAD
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or (301)416-7250
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FREDERICK, MD. 21701
PHONE: (301)695-0880
FAX: (301)293-6009
WWW.FOXASSOCIATESINC.COM Email: FOXFREDERICK@FOXASSOCIATESINC.COM

DATE	REVISION	DRAWN BY

SIDEWALK PLAN
TOWN OF EMMITSBURG

SITUATED IN THE TOWN OF EMMITSBURG
TOWN OF EMMITSBURG, ELECTION DISTRICT NO. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 20'

PROFESSIONAL CERTIFICATION

STATE OF MARYLAND
JOSEPH H. CROFT
No. 30709
PROFESSIONAL ENGINEER
7/10/2020

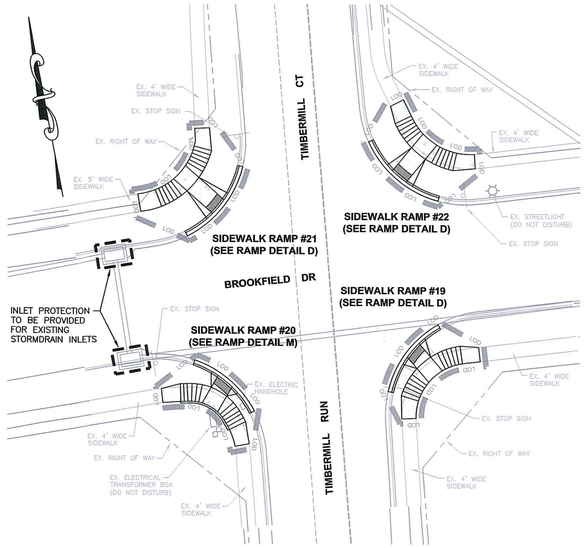
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE No.: 30709 EXP. DATE: 7/23/22

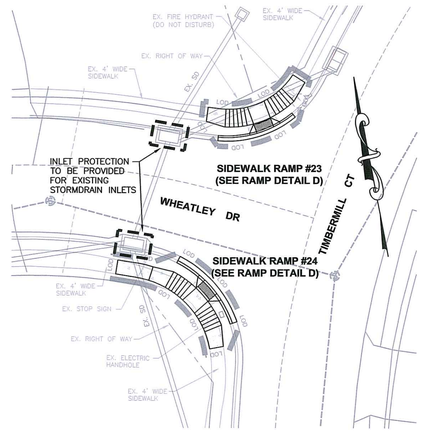
PROJECT NO. 20-31621
DRAWING NO. D - 3504
DATE: SEPTEMBER 2020
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 3 OF 15

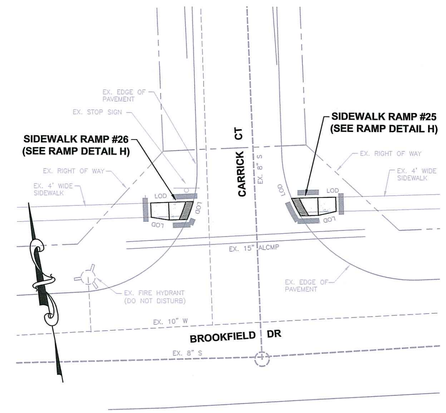
H:\CARLSON PROJECTS\2031621 TOWN OF EMMITSBURG\WD-01.DWG, 9/18/2020 1:53:35 PM, JETTER, 1:1



ADA RAMP # 19 - 22



ADA RAMP # 23 & 24



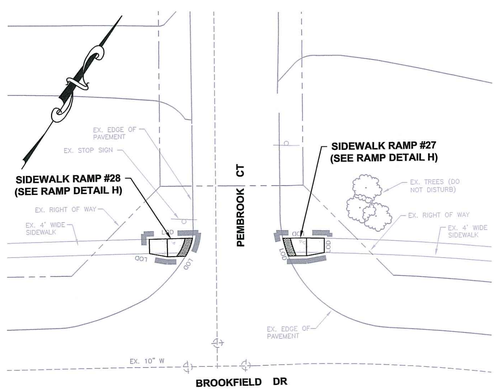
ADA RAMP # 25 & 26

PROPOSED ASPHALT PAVING

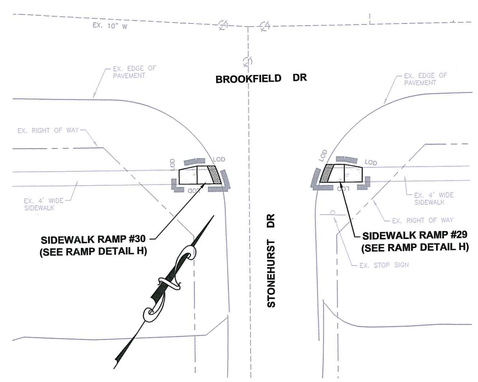
PROPOSED CONCRETE SIDEWALK AND ADA RAMP

REMOVE EXISTING CONCRETE CURB & GUTTER, RAMP AND SIDEWALK

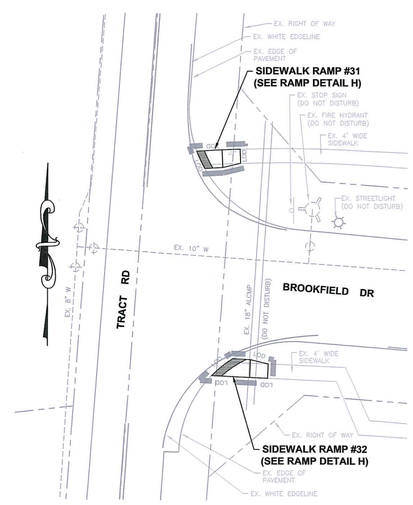
LOD LIMITS OF DISTURBANCE



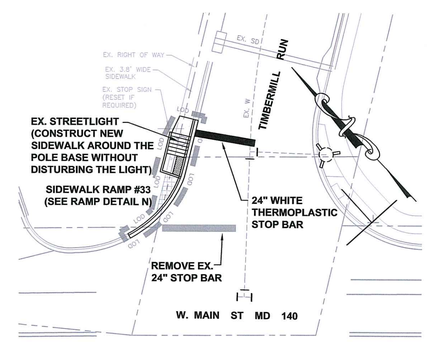
ADA RAMP # 27 & 28



ADA RAMP # 29 & 30



ADA RAMP # 31 & 32



ADA RAMP # 33

OWNER/DEVELOPER:
THE TOWN OF EMMITSBURG
300A S. SETON AVE.
EMMITSBURG, MD 21727
301-600-6300

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MAYOR DATE

PLANNING COMMISSION CHAIRMAN DATE

FOX & ASSOCIATES INC. Est. 1966
FOX & ASSOCIATES, INC.
ENGINEERS•SURVEYORS•PLANNERS
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WWW.FOXASSOCIATESINC.COM Email: FOXFREDERICK@FOXASSOCIATESINC.COM

DRAWN BY
REVISION
DATE

SIDEWALK PLAN
TOWN OF EMMITSBURG
SITUATED IN THE TOWN OF EMMITSBURG
TOWN OF EMMITSBURG ELECTION DISTRICT NO. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 20'

PROFESSIONAL CERTIFICATION

STATE OF MARYLAND JOSEPH H. CECH No. 30709 PROFESSIONAL ENGINEER
7/10/2020

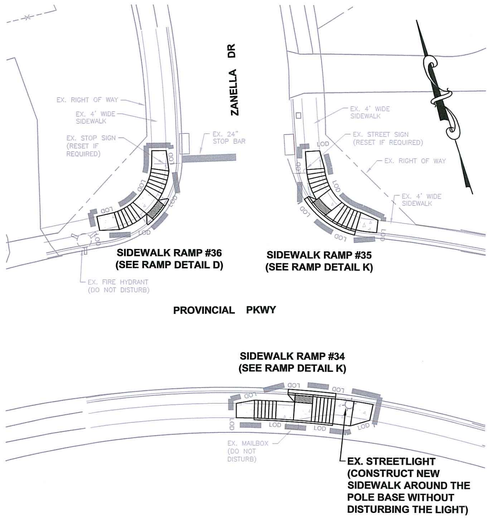
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE No.: 30709 EXP. DATE: 7/23/22

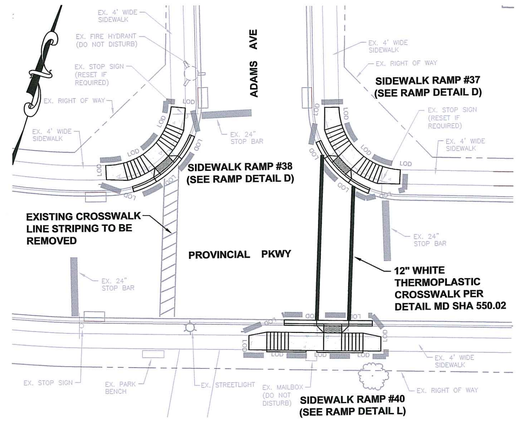
PROJECT NO. 20-31621
DRAWING NO. D - 3504
DATE: SEPTEMBER 2020
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 4 OF 15

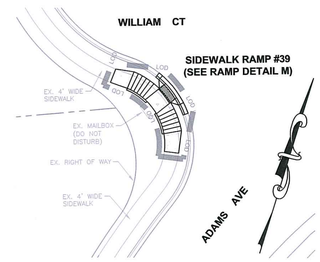
H:\CARLSON PROJECTS\20\31621 TOWN OF EMMITSBURG\WD-01.DWG, 9/18/2020 15:04 PM, JETTER, 1:1



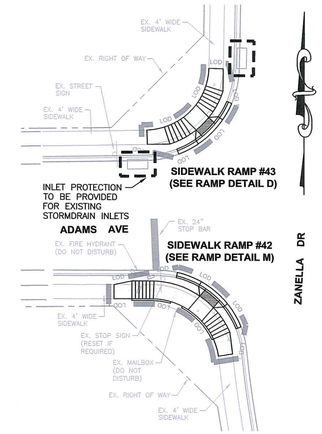
ADA RAMP # 34 - 36



ADA RAMP # 37 , 38 & 40



ADA RAMP # 39



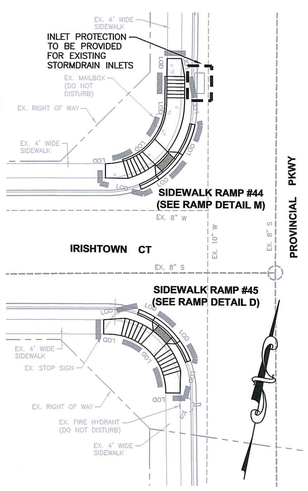
ADA RAMP # 42 & 43

PROPOSED ASPHALT PAVING

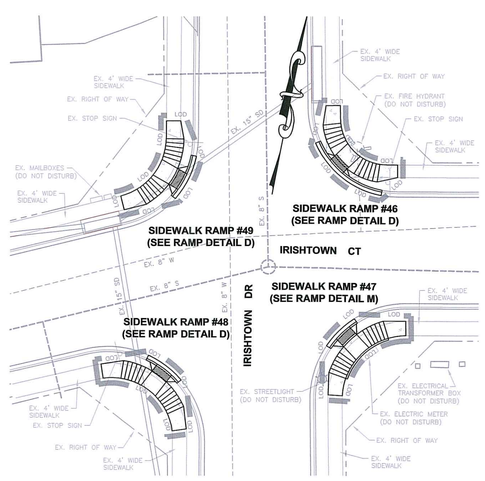
PROPOSED CONCRETE SIDEWALK AND ADA RAMP

REMOVE EXISTING CONCRETE CURB & GUTTER, RAMP AND SIDEWALK

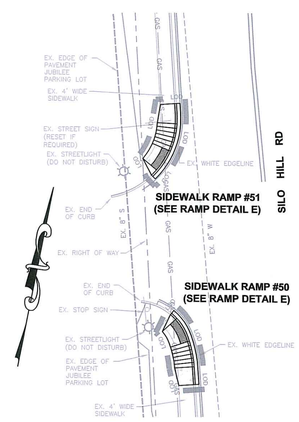
LOD LIMITS OF DISTURBANCE



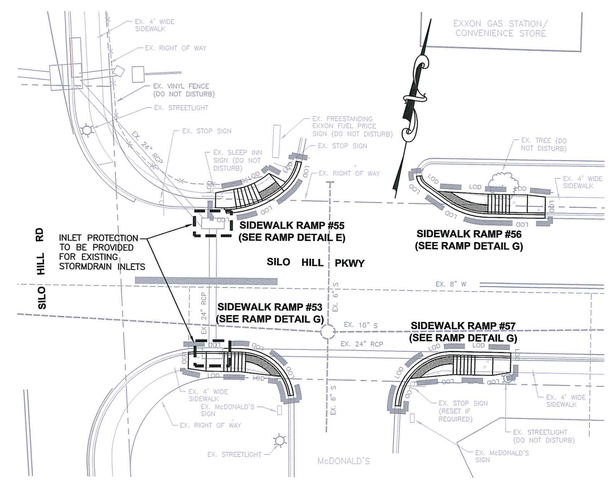
ADA RAMP # 44 & 45



ADA RAMP # 46 - 49



ADA RAMP # 50 & 51



ADA RAMP # 53 & 55 - 57

OWNER/DEVELOPER:
THE TOWN OF EMMITSBURG
300A S. SETON AVE.
EMMITSBURG, MD 21727
301-600-6300

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MAYOR DATE

PLANNING COMMISSION CHAIRMAN DATE

FOX & ASSOCIATES INC. Est. 1966
FOX & ASSOCIATES, INC.
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FAX: (301)293-6009
WWW.FOXASSOCIATESINC.COM Email: FOXFREDERICK@FOXASSOCIATESINC.COM

DRAWN BY

REVISION

DATE

SIDEWALK PLAN
TOWN OF EMMITSBURG
SITUATED IN THE TOWN OF EMMITSBURG
TOWN OF EMMITSBURG, ELECTION DISTRICT NO. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 20'

PROFESSIONAL CERTIFICATION

STATE OF MARYLAND JOSEPH R. CROUT No. 30709 PROFESSIONAL ENGINEER

9/18/2020

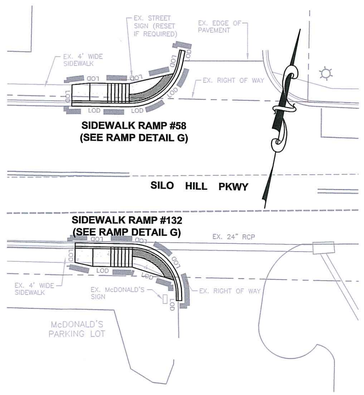
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE No: 30709 EXP. DATE: 7/23/21

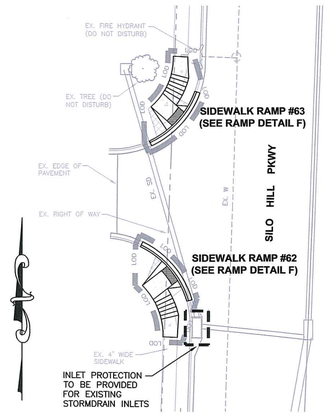
PROJECT NO. 20-31621
DRAWING NO. D - 3504
DATE: SEPTEMBER 2020
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 5 OF 15

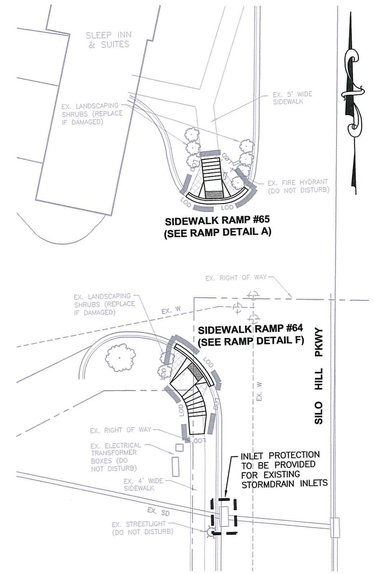
H:\CARLSON PROJECTS\20\31621 TOWN OF EMMITSBURG\WD-01.DWG, 9/18/2020 1:55:25 PM, JETTER, 1:1



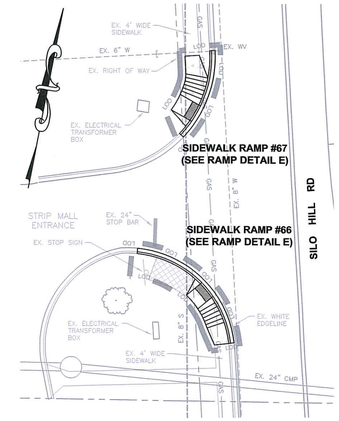
ADA RAMP # 58 & 132



ADA RAMP # 62 & 63



ADA RAMP # 64 & 65



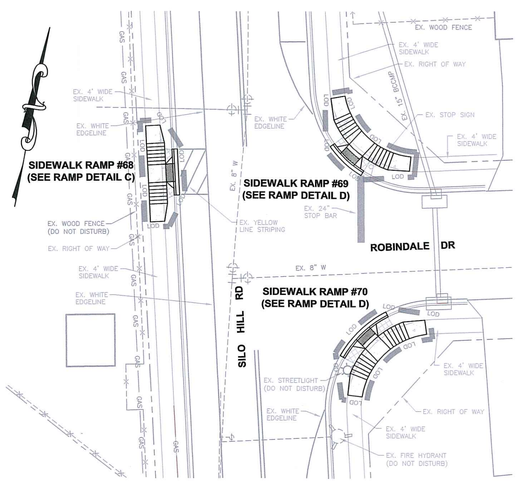
ADA RAMP # 66 & 67

PROPOSED ASPHALT PAVING

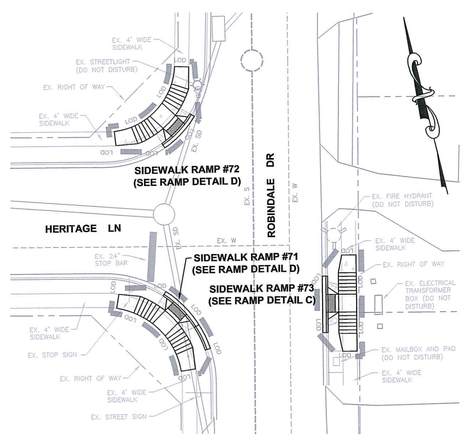
PROPOSED CONCRETE SIDEWALK AND ADA RAMP

REMOVE EXISTING CONCRETE CURB & GUTTER, RAMP AND SIDEWALK

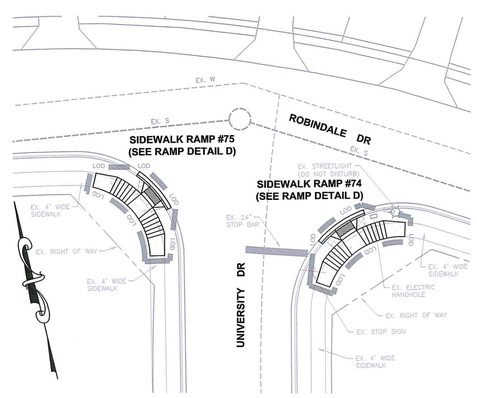
LIMITS OF DISTURBANCE



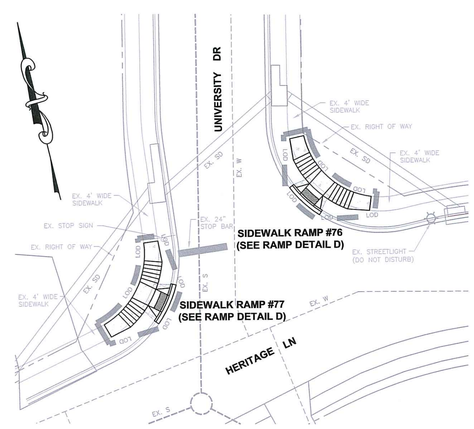
ADA RAMP # 68 - 70



ADA RAMP # 71 - 73



ADA RAMP # 74 & 75



ADA RAMP # 76 & 77

OWNER/DEVELOPER:
THE TOWN OF EMMITSBURG
300A S. SETON AVE.
EMMITSBURG, MD 21727
301-600-6300

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MAYOR DATE

PLANNING COMMISSION CHAIRMAN DATE

FOX & ASSOCIATES INC.
Est. 1966

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WWW.FOXASSOCIATESINC.COM Email: FOXFREDERICK@FOXASSOCIATESINC.COM

DRAWN BY

REVISION

DATE

SIDEWALK PLAN
TOWN OF EMMITSBURG
SITUATED IN THE TOWN OF EMMITSBURG
TOWN OF EMMITSBURG, ELECTION DISTRICT NO. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 20'

PROFESSIONAL CERTIFICATION

STATE OF MARYLAND
JOSEPH H. CECI
No. 30709
PROFESSIONAL ENGINEER
9/18/2020

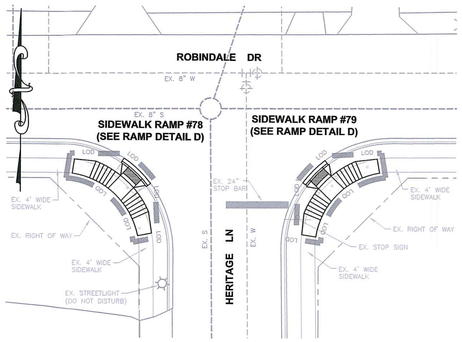
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE No.: 30709 EXP. DATE: 7/23/22

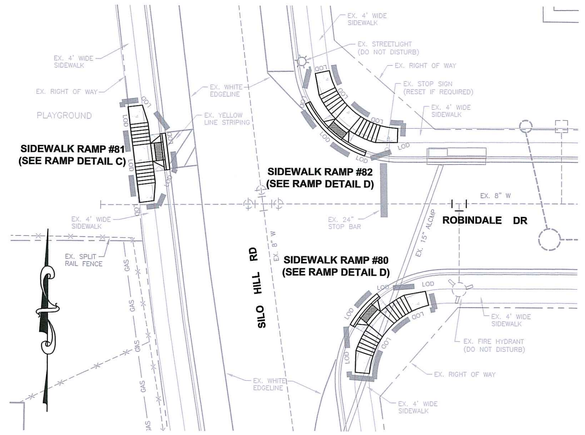
PROJECT NO. 20-31621
DRAWING NO. D - 3504
DATE: SEPTEMBER 2020
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 6 OF 15

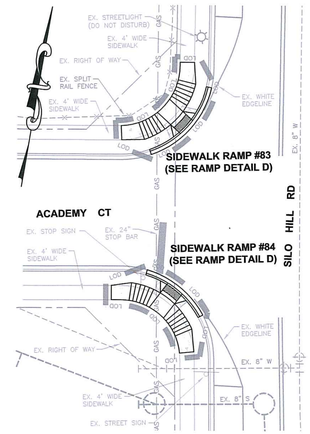
H:\CARLSON PROJECTS\20\31621 TOWN OF EMMITSBURG\WD-01.DWG, 9/18/2020 1:55:57 PM, JETTER, I:



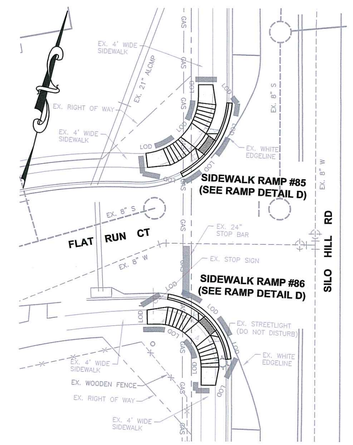
ADA RAMP # 78 & 79



ADA RAMP # 80 - 82



ADA RAMP # 83 & 84



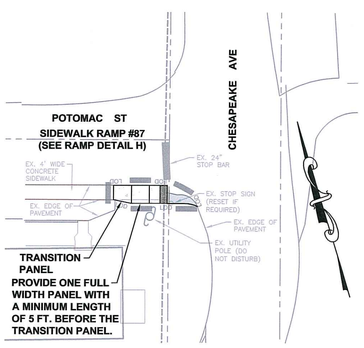
ADA RAMP # 85 & 86

PROPOSED ASPHALT PAVING

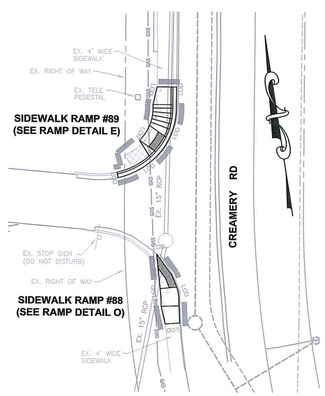
PROPOSED CONCRETE SIDEWALK AND ADA RAMP

REMOVE EXISTING CONCRETE CURB & GUTTER, RAMP AND SIDEWALK

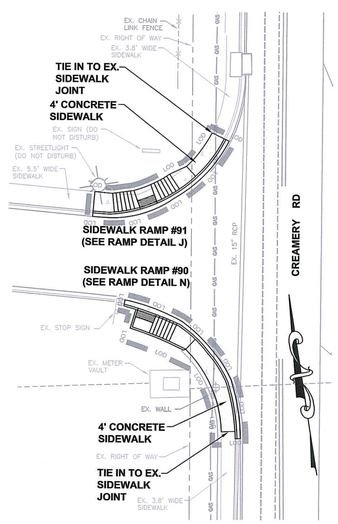
LOD LIMITS OF DISTURBANCE



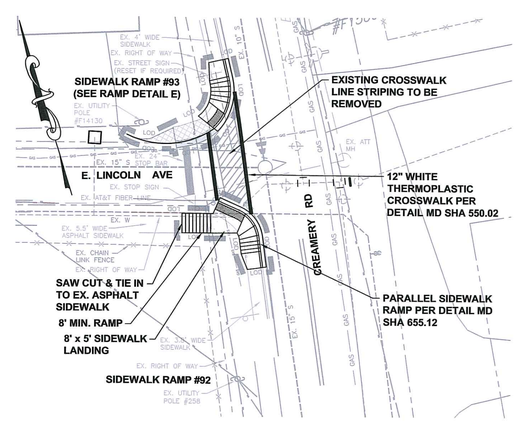
ADA RAMP # 87



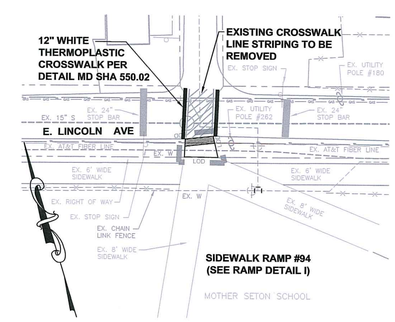
ADA RAMP # 88 & 89



ADA RAMP # 90 & 91



ADA RAMP # 92 & 93



ADA RAMP # 94

OWNER/DEVELOPER:
THE TOWN OF EMMITSBURG
300A S. SETON AVE.
EMMITSBURG, MD 21727
301-600-6300

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MAYOR DATE

PLANNING COMMISSION CHAIRMAN DATE

FOX & ASSOCIATES INC. Est. 1966
FOX & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS
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PHONE: (301)695-0880
FAX: (301)293-6009
WWW.FOXASSOCIATESINC.COM Email: FOXFREDERICK@FOXASSOCIATESINC.COM

DRAWN BY

REVISION

DATE

SIDEWALK PLAN
TOWN OF EMMITSBURG
SITUATED IN THE TOWN OF EMMITSBURG
TOWN OF EMMITSBURG, ELECTION DISTRICT NO. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 20'

PROFESSIONAL CERTIFICATION

STATE OF MARYLAND JOSEPH H. CROFT PROFESSIONAL ENGINEER 30709 7/23/2020

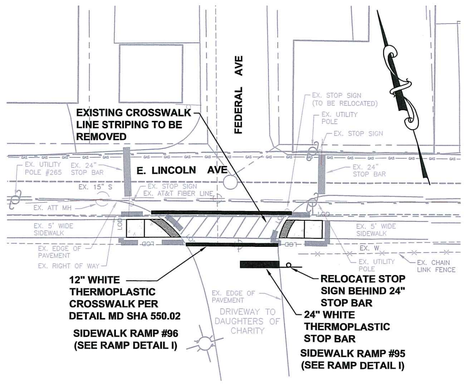
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE No.: 30709 EXP. DATE: 7/23/22

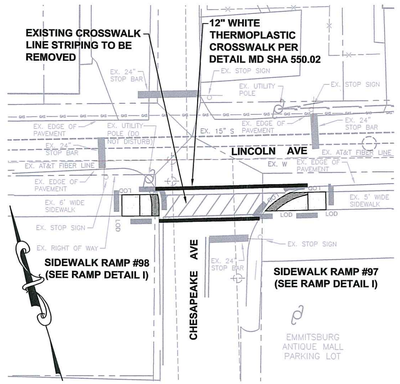
PROJECT NO. 20-31621
DRAWING NO. D - 3504
DATE: SEPTEMBER 2020
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 7 OF 15

H:\CARLSON PROJECTS\20\31621 Town of Emmitsburg\VD-01.dwg, 9/18/2020 1:57:18 PM, JETTER, 1:1



ADA RAMP # 95 & 96



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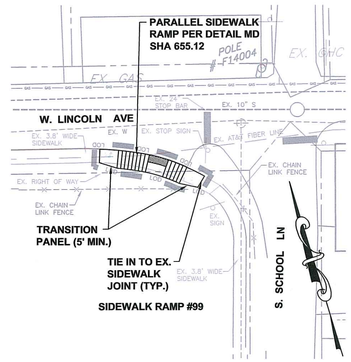

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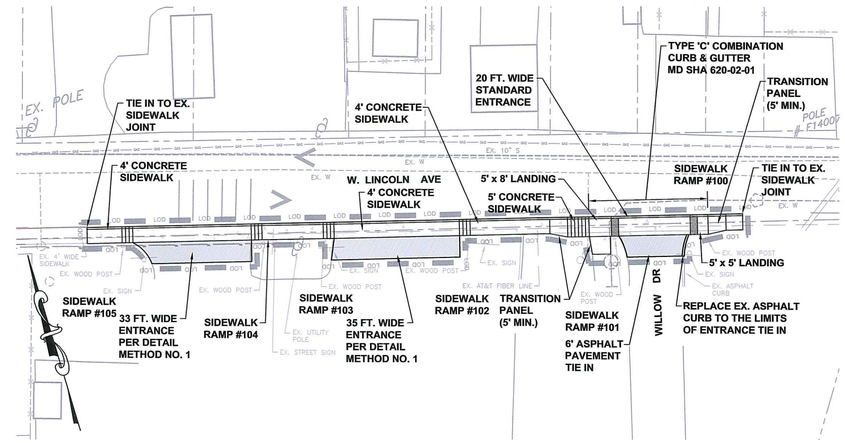


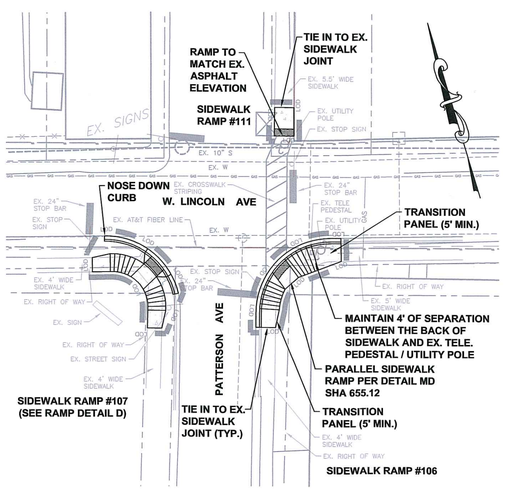
ADA RAMP # 100 - 105

PROPOSED ASPHALT PAVING

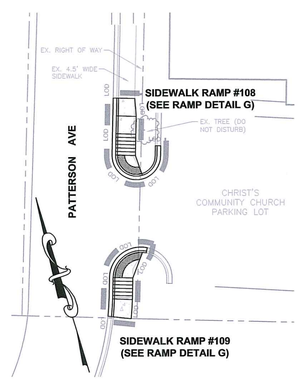
PROPOSED CONCRETE SIDEWALK AND ADA RAMP

REMOVE EXISTING CONCRETE CURB & GUTTER, RAMP AND SIDEWALK

LOD — LIMITS OF DISTURBANCE



ADA RAMP # 106 , 107 & 111



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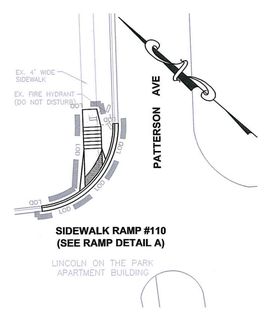

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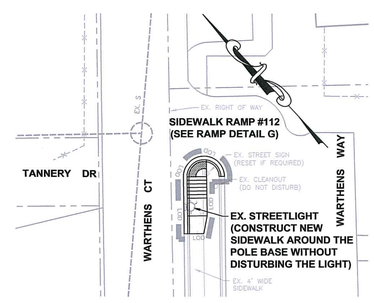

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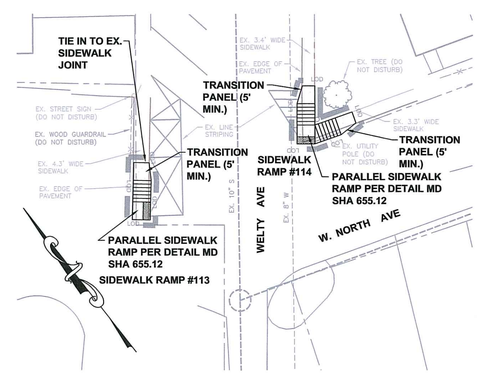

ADA RAMP # 113 & 114

OWNER/DEVELOPER:
THE TOWN OF EMMITSBURG
300A S. SETON AVE.
EMMITSBURG, MD 21727
301-600-6300

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MAYOR DATE

PLANNING COMMISSION CHAIRMAN DATE

FOX & ASSOCIATES INC. Est. 1966

FOX & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS
981 MT. AETNA ROAD
HAGERSTOWN, MD. 21740
PHONE: (301)733-8503
or (301)416-7260
FAX: (301)733-1853
82 WORMANS MILL COURT
SUITE 'G'
FREDERICK, MD. 21701
PHONE: (301)695-0880
FAX: (301)293-6009
WWW.FOXASSOCIATESINC.COM Email: FOXFREDERICK@FOXASSOCIATESINC.COM

DATE	REVISION	DRAWN BY

SIDEWALK PLAN

TOWN OF EMMITSBURG

SITUATED IN THE TOWN OF EMMITSBURG
TOWN OF EMMITSBURG, ELECTION DISTRICT NO. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 20'

PROFESSIONAL CERTIFICATION

STATE OF MARYLAND JOSEPH H. HECHT No. 30709 PROFESSIONAL ENGINEER

7/15/2020

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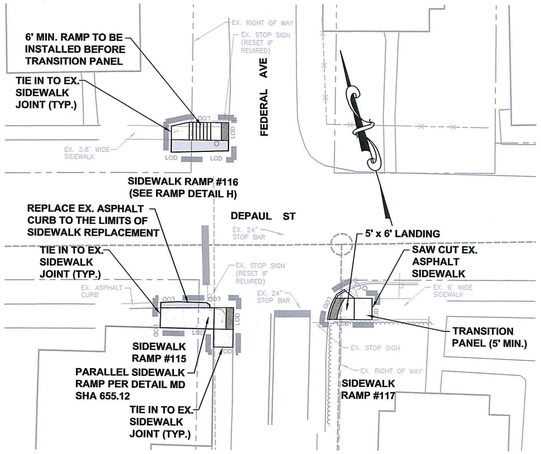
SHEET 8 OF 15

H:\CARLSON PROJECTS\20\31621 TOWN OF EMMITSBURG\WD-01.DWG, 9/18/2020 1:57:59 PM, JETTER, 1:1



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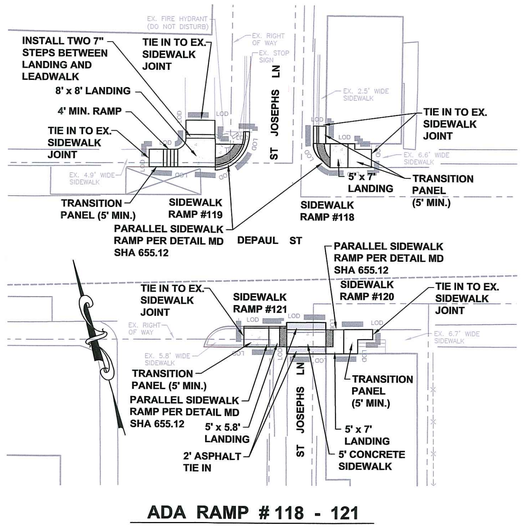

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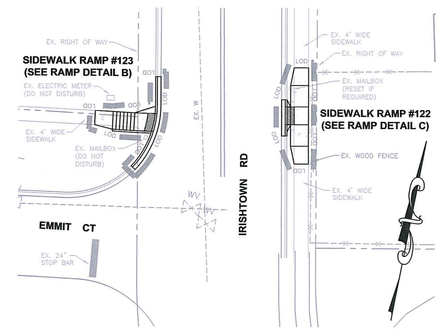
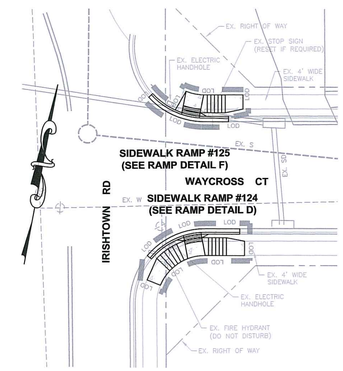


ADA RAMP # 122 & 123



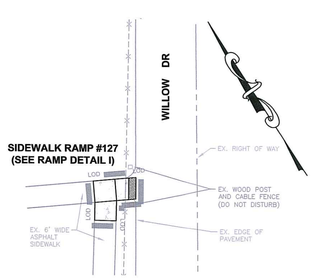
ADA RAMP # 124 & 125

PROPOSED ASPHALT PAVING

PROPOSED CONCRETE SIDEWALK AND ADA RAMP

REMOVE EXISTING CONCRETE CURB & GUTTER, RAMP AND SIDEWALK

LOD — LIMITS OF DISTURBANCE



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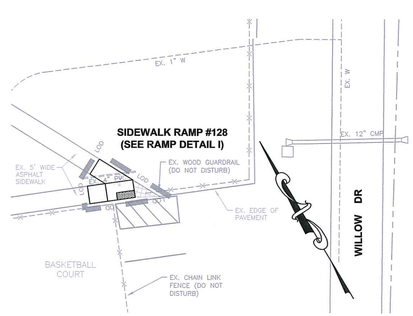

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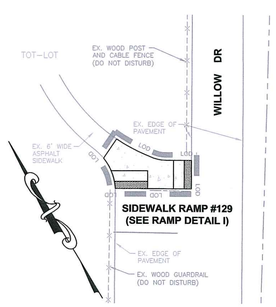

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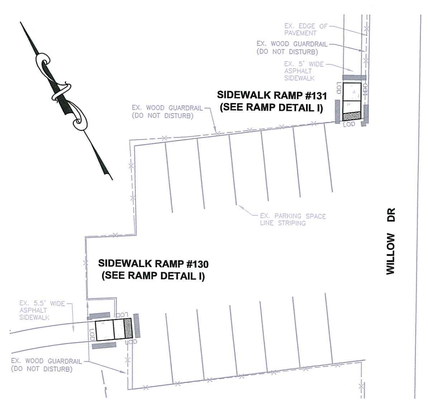

ADA RAMP # 130 & 131

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301-600-6300

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MAYOR DATE

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DATE	REVISION	DRAWN BY

SIDEWALK PLAN
TOWN OF EMMITSBURG
SITUATED IN THE TOWN OF EMMITSBURG
TOWN OF EMMITSBURG, ELECTION DISTRICT NO. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 20'

PROFESSIONAL CERTIFICATION

STATE OF MARYLAND JOSEPH H. CROSS PROFESSIONAL ENGINEER 30709

9/18/2020

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: 7/23/22

PROJECT NO. 20-31621
DRAWING NO. D - 3504
DATE: SEPTEMBER 2020
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 9 OF 15

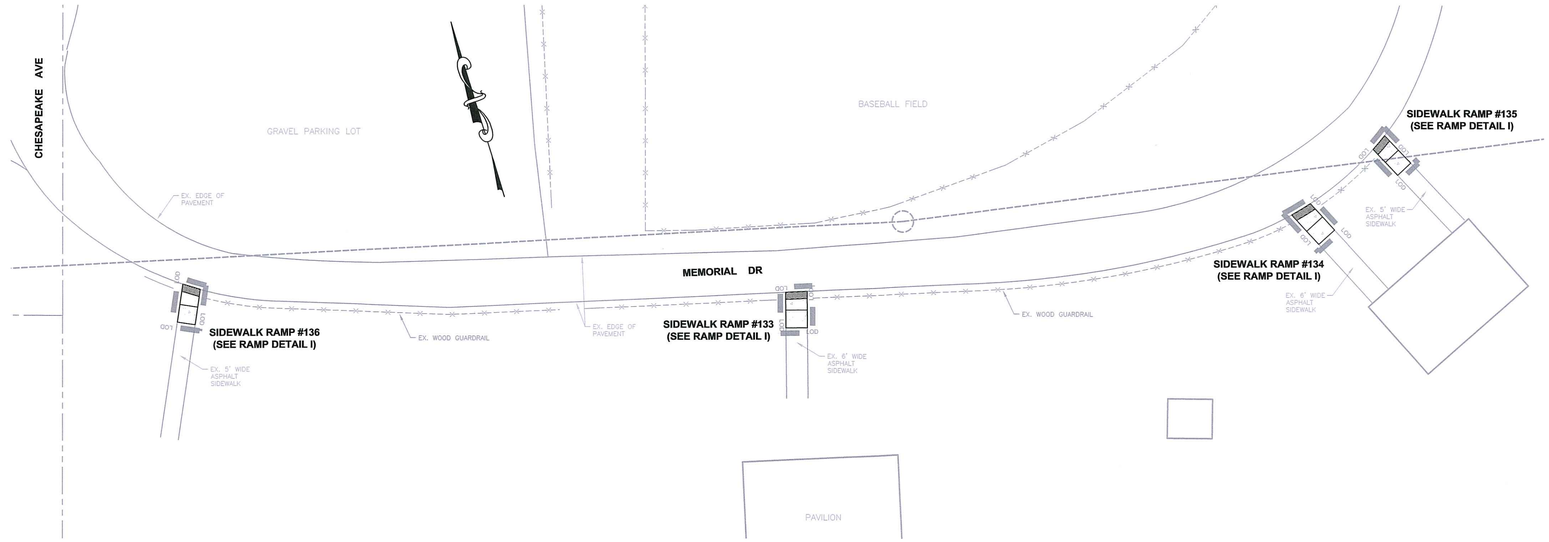
H:\CARLSON PROJECTS\2031621 TOWN OF EMMITSBURG\WD-01.dwg, 9/18/2020 1:58:58 PM, JETTER, 1:1

PROPOSED ASPHALT PAVING

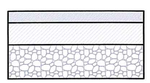
PROPOSED CONCRETE SIDEWALK AND ADA RAMP

REMOVE EXISTING CONCRETE CURB & GUTTER, RAMP AND SIDEWALK

LOD — LIMITS OF DISTURBANCE

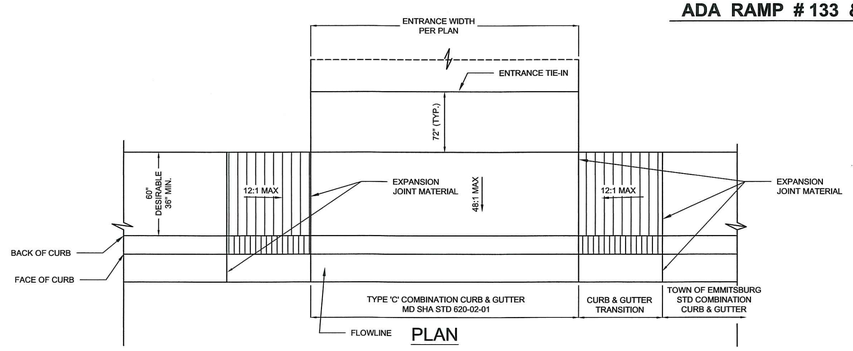


ADA RAMP # 133 & 136

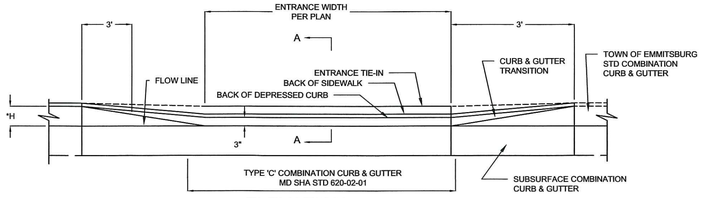


ASPHALT PAVING SECTION

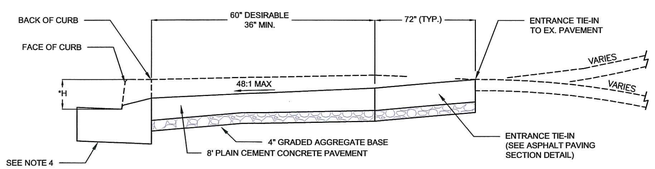
NOT TO SCALE



PLAN



ELEVATION

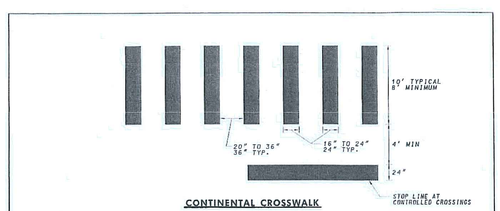


SECTION A-A

1. FOR USE IN AREAS WHERE THERE IS SIDEWALK ADJACENT N T TO THE BACK OF CURB OR WHERE IT IS EXPECTED THAT SIDEWALK WILL BE ADDED IN THE FUTURE.
2. EXPANSION JOINT MATERIAL TO BE IN STALLED IN ACCORDANCE WITH STD. MD- 6 55.01.
3. WHERE 60" SIDEWALK CANNOT BE PROVIDED, 36 " MI N . MAY BE USED AS L ON G AS PASSING ZONES ARE PROVIDED IN ACCORDANCE WITH STD. MD- 6 55.02.
4. TYPE A AND B CURB AND THE CURB FOR TYPE A, B, AND D COMBINATION CURB AN D GUTTER SHALL BE DEPRESSED AS SHOWN ON STD. 620.02-01 TYPE C. PAYMENT FOR DEPRESSING THE CURB SHALL BE AS SPECIFIED ON STD. 620.03 NOTE C.
5. TRANSITION PANELS TO TIE IN TO EXISTING SIDEWALK MUST BE A MINIMUM OF 5' IN LENGTH FOR USE IN AREAS WHERE THERE IS SIDEWALK ADJACENT TO THE BACK OF CURB OR WHERE IT IS EXPECTED THAT SIDEWALK WILL BE ADDED IN THE FUTURE.

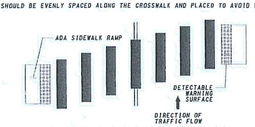
STANDARD ENTRANCE CONSTRUCTION
RESIDENTIAL & COMMERCIAL
METHOD NO.1

N.T.S.

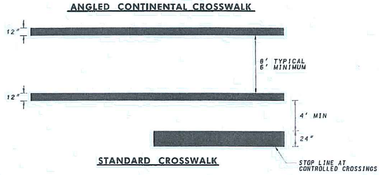


CONTINENTAL CROSSWALK

1. SPACING SHOULD BE BETWEEN 1.25 AND 1.5 TIMES THE WIDTH OF THE PAVEMENT MARKING LINES.
2. CROSSWALK MARKINGS SHOULD BE INSTALLED PARALLEL TO TRAFFIC. REFER TO ANGLED CONTINENTAL CROSSWALK DETAIL FOR SKEWED CROSSINGS.
3. MARKINGS SHOULD BE EVENLY SPACED ALONG THE CROSSWALK AND PLACED TO AVOID WHEEL PATH WHERE POSSIBLE.



ANGLED CONTINENTAL CROSSWALK

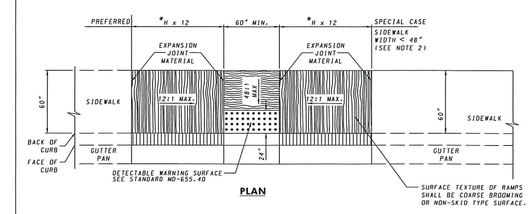


STANDARD CROSSWALK

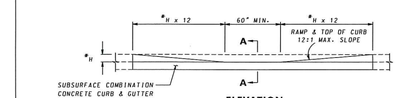
NOTES:

1. ALL CROSSWALK MARKINGS SHALL BE WHITE PREFORMED THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
2. CROSSWALKS SHOULD BE CENTERED ON ADA SIDEWALK RAMPS WHERE POSSIBLE.

SPECIFICATION	CATEGORY CODE ITEMS	MDOT MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION	
APPROVED	DIRECTOR - OFFICE OF TRAFFIC AND SAFETY	STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES	
SHELF TYPICAL		CROSSWALK DETAILS	
		TYPICAL NO.	TYP 550.02

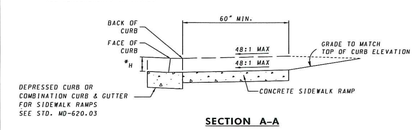


PLAN



ELEVATION

* - H = HEIGHT OF CURB
ALL WEASUREMENTS IN INCHES



SECTION A-A

NOTES

1. TO BE USED WHERE SIDEWALK IS ADJACENT TO THE CURB. THIS STANDARD MAY BE MODIFIED TO SUIT A PARTICULAR LOCATION.
2. WHERE 60" SIDEWALK CAN NOT BE PROVIDED. A DESIGN WAIVER MUST BE REQUESTED.
3. NO TRAVERSABLE SLOPE ON THE RAMP OR SIDEWALK SHALL EXCEED 12:1 IN THE DIRECTION OF PEDESTRIAN TRAVEL, OR 48:1 PERPENDICULAR TO THE DIRECTION OF PEDESTRIAN TRAVEL. THE CROSS-SLOPE OF THE LANDING AREA CANNOT EXCEED GRADE OF ROADWAY
4. EXPANSION JOINT MATERIAL SHALL BE INSTALLED IN ACCORDANCE WITH STD. MD-655.01.
5. SIDEWALK RAMPS TO BE SHOWN ON PLANS SYMBOLICALLY AND REFERENCED WITH THE CENTER OF THE RAMP ALIGNED TO A STATION ON THE CONSTRUCTION CENTERLINE. SEPARATE DETAILS SHALL BE SHOWN WHERE PROPOSED RAMP VARIES FROM STANDARD CASES.
6. TRANSITION PANELS TO TIE INTO EXISTING SIDEWALK MUST BE A MINIMUM OF 5' IN LENGTH

SPECIFICATION	CATEGORY CODE ITEMS	Maryland Department of Transportation STATE HIGHWAY ADMINISTRATION	
603 & 611			
APPROVED	DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT	STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES	
SHA State Highway Administration	APPROVAL • SHA REVISIONS / APPROVAL • FEDERAL HIGHWAY ADMINISTRATION	SIDEWALK RAMPS PARALLEL	
	APPROVAL 3-10-04 / APPROVAL 3-31-04		
	REVISED 3-15-08 / REVISED 4-5-06		
	REVISED 6-2-14 / REVISED 5-20-14		
	REVISED / REVISED	STANDARD NO.	MD 655.12

OWNER/DEVELOPER:
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DRAWN BY | REVISION | DATE

SIDEWALK PLAN & DETAILS
TOWN OF EMMITSBURG

SITUATED IN THE TOWN OF EMMITSBURG
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SCALE: 1" = 20'

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7/13/22

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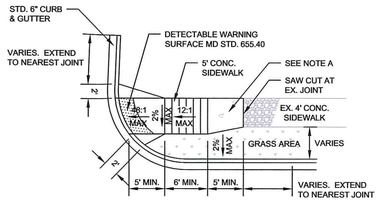
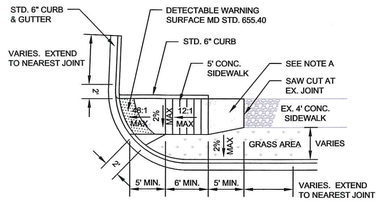


ADA RAMP DETAIL - TYPE A
SIDEWALK SEPARATED FROM CURB

NOT TO SCALE

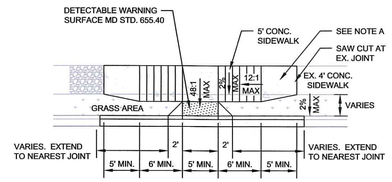
RAMP # 65 & 110



ADA RAMP DETAIL - TYPE B
SIDEWALK SEPARATED FROM CURB

NOT TO SCALE

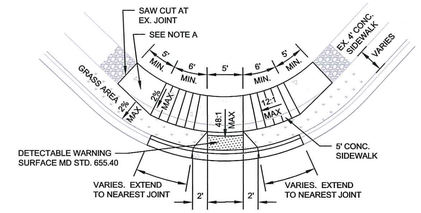
RAMP # 123



ADA RAMP DETAIL - TYPE C
SIDEWALK SEPARATED FROM CURB

NOT TO SCALE

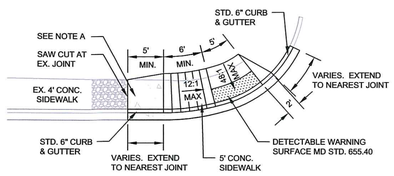
RAMP # 68, 73, 81 & 122



ADA RAMP DETAIL - TYPE D
SIDEWALK SEPARATED FROM CURB

NOT TO SCALE

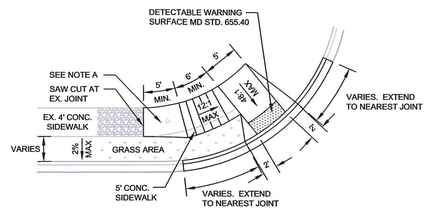
RAMP # 3 - 5, 7 - 19, 21 - 24, 36 - 38, 43, 45, 46, 48, 49, 69 - 72, 74 - 80, 82 - 86 & 124



ADA RAMP DETAIL - TYPE E

NOT TO SCALE

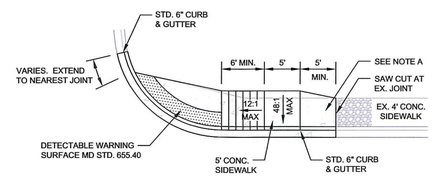
RAMP # 50, 51, 55, 66, 67 & 137



ADA RAMP DETAIL - TYPE F
SIDEWALK SEPARATED FROM CURB

NOT TO SCALE

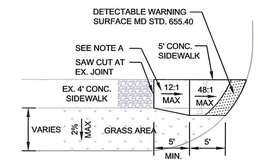
RAMP # 1, 62 - 64 & 125



ADA RAMP DETAIL - TYPE G

NOT TO SCALE

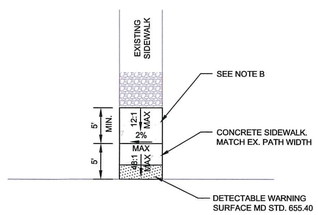
RAMP # 53, 56 - 58, 108 - 109, 112 & 132



ADA RAMP DETAIL - TYPE H

NOT TO SCALE

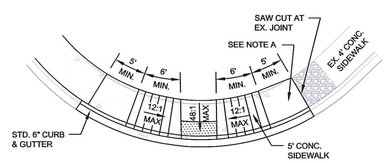
RAMP # 6, 25 - 32 & 87



ADA RAMP DETAIL - TYPE I

NOT TO SCALE

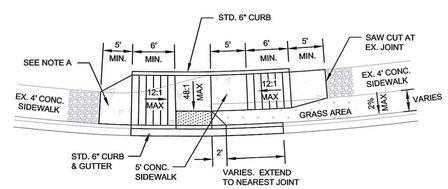
RAMP # 94 - 98, 126 - 131 & 133 - 136



ADA RAMP DETAIL - TYPE J

NOT TO SCALE

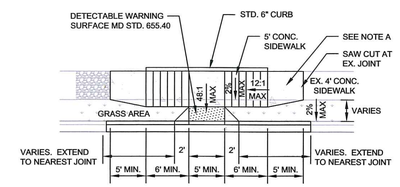
RAMP # 91



ADA RAMP DETAIL - TYPE K

NOT TO SCALE

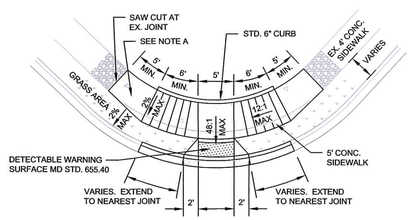
RAMP # 34



ADA RAMP DETAIL - TYPE L
SIDEWALK SEPARATED FROM CURB

NOT TO SCALE

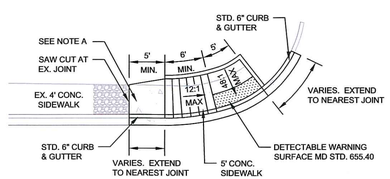
RAMP # 40



ADA RAMP DETAIL - TYPE M
SIDEWALK SEPARATED FROM CURB

NOT TO SCALE

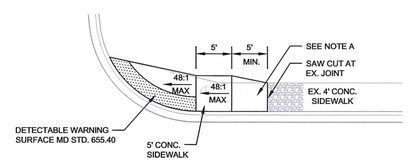
RAMP # 2, 20, 39, 42, 44 & 47



ADA RAMP DETAIL - TYPE N

NOT TO SCALE

RAMP # 33



ADA RAMP DETAIL - TYPE O

NOT TO SCALE

RAMP # 53, 56 - 58, 108 - 109, 112 & 132

OWNER/DEVELOPER:
THE TOWN OF EMMITSBURG
300A S. SETON AVE.
EMMITSBURG, MD 21727
301-600-6300

NOTE A: INCLUDE A TRANSITION PANEL (MINIMUM 5' IN LENGTH) TO TIE INTO EXISTING SIDEWALK AT JOINT.

NOTE B: INCLUDE A TRANSITION PANEL (MINIMUM 5' IN LENGTH) TO TIE INTO EXISTING SIDEWALK IF REQUIRED TO MEET ADA GRADING REQUIREMENTS.

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MAYOR DATE

PLANNING COMMISSION CHAIRMAN DATE

FOX & ASSOCIATES INC. Est. 1966

FOX & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS
981 MT. AETNA ROAD
HAGERSTOWN, MD. 21740
PHONE: (301)733-8503
or (301)416-7250
FAX: (301)733-1853
82 WORMANS MILL COURT
SUITE 'G'
FREDERICK, MD. 21701
PHONE: (301)695-0880
FAX: (301)293-6009
WWW.FOXASSOCIATESINC.COM Email: FOXFREDERICK@FOXASSOCIATESINC.COM

DRAWN BY

REVISION

DATE

SIDEWALK DETAILS

TOWN OF EMMITSBURG

SITUATED IN THE TOWN OF EMMITSBURG
TOWN OF EMMITSBURG, ELECTION DISTRICT NO. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 20'

PROFESSIONAL CERTIFICATION

STATE OF MARYLAND — JOSEPH H. CLEVELAND — No. 30709 — PROFESSIONAL ENGINEER

7/10/2020

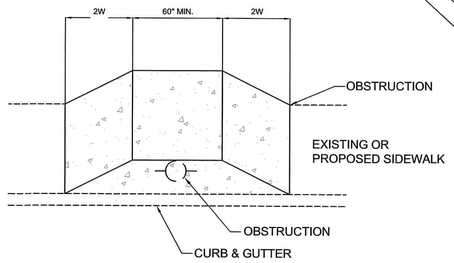
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.

LICENSE No.: 30709 EXP. DATE: 7/13/22

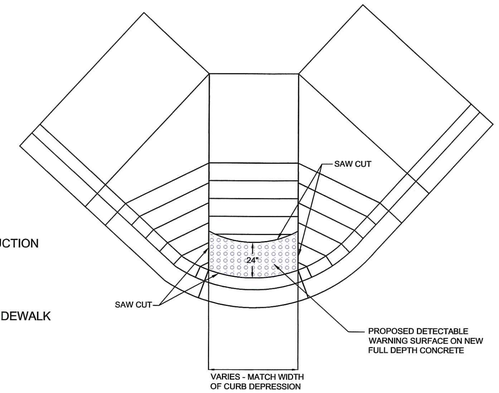
PROJECT NO.	20-31621
DRAWING NO.	D - 3504
DATE:	SEPTEMBER 2020
DRAWN BY:	JWE
CHECKED BY:	JHC

SHEET 11 OF 15

H:\CARLSON PROJECTS\2031621 TOWN OF EMMITSBURG\WD-01.DWG, 9/18/2020 2:00:49 PM, JETTER, 1:1

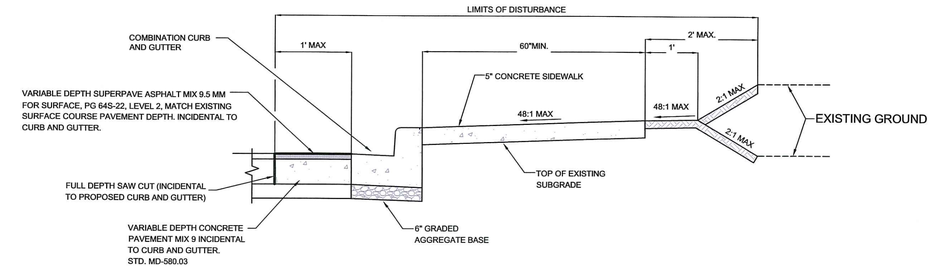


TYPICAL SIDEWALK BUMPOUT DETAIL
NTS

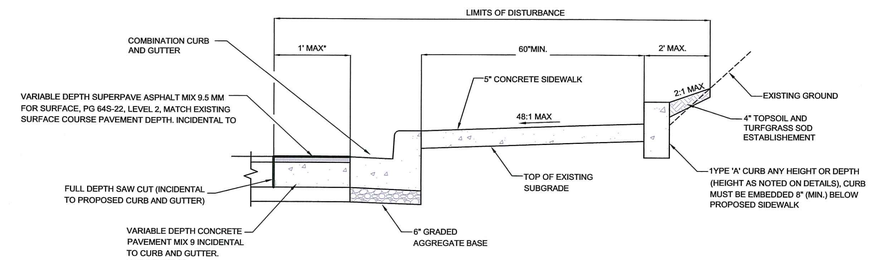


DETECTABLE WARNING SURFACE INSTALLATION
NTS

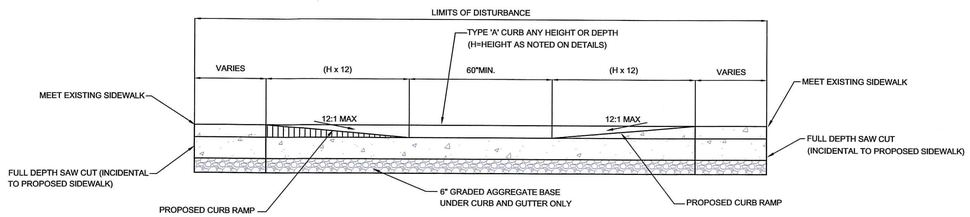
NOTES
1. ALL PROPOSED DETECTABLE WARNING SURFACES (DWS) SHALL BE CAST IN PLACE ON NEW FULL DEPTH CONCRETE. SURFACE APPLIED DWS SHALL NOT BE PERMITTED ON THIS CONTRACT.
2. EXISTING CONCRETE RAMPS AND SIDEWALKS SHALL BE SAW CUT FOR INSTALLATION OF DWS. COST OF SAW CUTTING SHALL BE INCIDENTAL TO THE PROPOSED DWS INSTALLATION.
3. SEE STD. MD 655.40 FOR ADDITIONAL DETAILS.



TYPICAL CURB AND GUTTER AND SIDEWALK SECTION
NTS

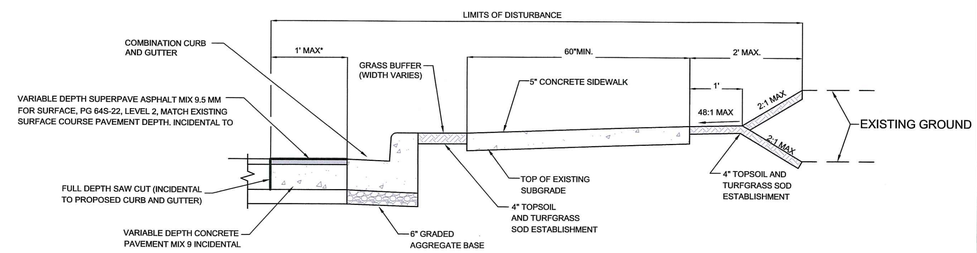


TYPICAL SIDEWALK RAMP WITH BACK CURB
NTS

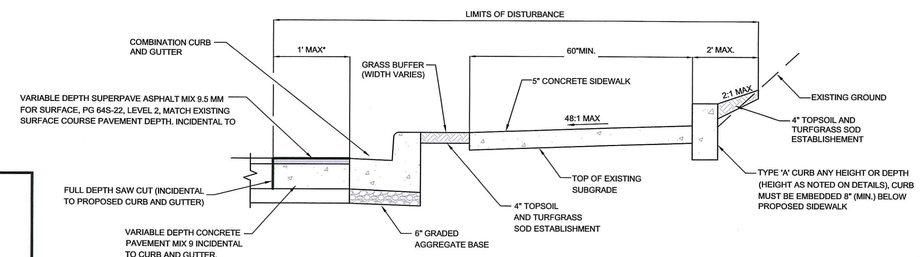


NOTES:
1. 1YPE A CURB TO MATCH HEIGHT ON DETAILS
2. TAPER CURB FROM MAX. HEIGHT SHOWN ON DETAILS TO 0" WHERE IT MEETS WITH THE EXISTING SIDEWALK (AS SHOWN BELOW)
3. H = HEIGHT IN INCHES OF PROPOSED 1YPE "A" CURB

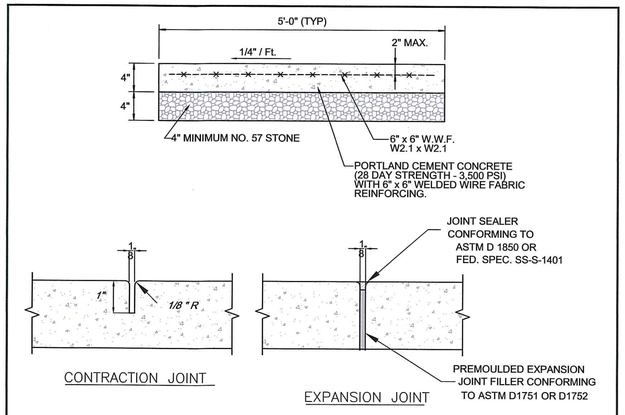
TYPICAL SIDEWALK RAMP WITH BACK CURB TRANSITION DETAIL
NTS



TYPICAL CURB AND GUTTER AND SIDEWALK SECTION WITH GRASS BUFFER
NTS



TYPICAL SIDEWALK RAMP WITH GRASS BUFFER AND BACK CURB
NTS

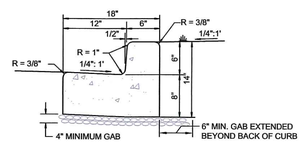


NOTES:

1. CONCRETE SHALL BE M.S.H.A. MIX NO. 3 CONCRETE AS DESIGNATED BY THE MARYLAND STATE HIGHWAY ADMINISTRATION SPECIFICATIONS.
2. CONCRETE SHALL BE SPRAYED WITH LIQUID CURING COMPOUND AS SOON AS FREE WATER HAS DISAPPEARED FROM THE SURFACE. CURING COMPOUND REQUIRED AS PER CITY SPECIFICATION 03300-3C
3. FORMS SHALL BE STEEL FORMS WITH THE EXCEPTION OF APPROVED FLEXIBLE FORMS FOR RADIAL FORMATION.
4. SIDEWALK TO BE REINFORCED WITH W2.1xW2.1 WIRE MESH.
5. SIDEWALK SHALL HAVE A LIGHT BROOM FINISH.
6. SIDEWALKS TO BE SCRIBED IN 5' MAXIMUM LENGTHS AND BRUSH FINISHED, EXPANSION JOINTS TO BE SPACED EVERY 15 FEET AND BETWEEN CURB AND SIDEWALK WHERE ADJACENT.

STANDARD SITE CONCRETE DETAIL

NOT TO SCALE



NOTES:
1. CONCRETE SHALL BE MSHA MIX NO. 3.
2. CONCRETE SHALL BE SPRAYED WITH LIQUID CURING COMPOUND AS SOON AS FREE WATER HAS DISAPPEARED FROM THE SURFACE. CURING COMPOUND REQUIRED AS PER SPECIFICATION 32-16-13
3. FORMS SHALL BE STEEL FORMS WITH THE EXCEPTION OF APPROVED FLEXIBLE FORMS FOR RADIAL FORMATION.
4. ALL CURB SHALL BE A MINIMUM OF 5' IN LENGTH.
5. IF HAND FORMED USE MAGNESIUM OR WOOD TROWEL WITH BRUSHED FINISH. IF CURB IS EXTRUDED BRUSH FINISH.

TOWN OF EMMITSBURG STD. COMBINATION CURB AND GUTTER
N.T.S.

OWNER/DEVELOPER:
THE TOWN OF EMMITSBURG
300A S. SETON AVE.
EMMITSBURG, MD 21727
301-600-6300

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MAYOR DATE

PLANNING COMMISSION CHAIRMAN DATE

FOX & ASSOCIATES INC. Est. 1966

FOX & ASSOCIATES, INC.
ENGINEERS•SURVEYORS•PLANNERS
981 MT. AETNA ROAD
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PHONE: (301)733-8503
or (301)416-7250
FAX: (301)733-1853
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SUITE 'G'
FREDERICK, MD. 21701
PHONE: (301)695-0880
FAX: (301)293-6009
WWW.FOXASSOCIATESINC.COM Email: FOXFREDERICK@FOXASSOCIATESINC.COM

DATE	REVISION	DRAWN BY

SIDEWALK NOTES & DETAILS
TOWN OF EMMITSBURG

SITUATED IN THE TOWN OF EMMITSBURG
TOWN OF EMMITSBURG, ELECTION DISTRICT NO. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 20'

PROFESSIONAL CERTIFICATION

STATE OF MARYLAND — JOSEPH H. CECH — No. 30709 — PROFESSIONAL ENGINEER

7/10/2020

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: 7/23/22

PROJECT NO. 20-31621
DRAWING NO. D - 3504
DATE: SEPTEMBER 2020
DRAWN BY: JWE
CHECKED BY: JHC

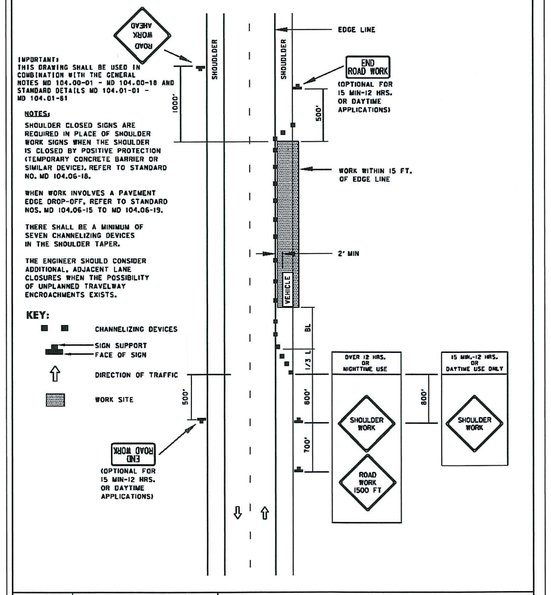
SHEET 12 OF 15

H:\CARLSON PROJECTS\20\31621 TOWN OF EMMITSBURG\WD-01.DWG, 9/18/2020 2:01:10 PM, JETTER, 1:1

MAINTENANCE OF TRAFFIC

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE MOT STANDARDS MD 104.00-01 THRU 104.06-27 AND THE MARYLAND MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MDMUTCD) 2011 EDITION. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN FOR WORK THAT IS NOT PERFORMED IN ACCORDANCE WITH THE MOT STANDARDS FOR ADMINISTRATIVE APPROVAL.
2. WORK HOURS ARE SUBJECT TO COMPLIANCE WITH MOOT SPECIFICATIONS. REFER TO THE CONTRACT SPECIAL PROVISIONS FOR LANE /SHOULDER CLOSURE RESTRICTIONS AND TIMES.
3. SET UP TEMPORARY TRAFFIC AND PEDESTRIAN CONTROLS PRIOR TO THE START OF NEW CONSTRUCTION. NO WORK IS TO BEGIN UNTIL ALL ADVANCE WARNING SIGNS, DRUMS AND ARROW PANELS ARE IN PLACE AND OPERATIONAL.
4. CONTRACTOR SHALL MAINTAIN A MINIMUM TRAVEL LANE WIDTH OF TEN (10) FEET.
5. CONTRACTOR IS PERMITTED TO ONE LANE CLOSURE AT A TIME AND MUST COORDINATE ALL LANE CLOSURES WITH THE TOWN OF EMMITSBURG.
6. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AND COORDINATE DRIVEWAY ACCESS WITH PROPERTY OWNERS.
7. TRAFFIC CONTROL DEVICES AND OTHER CONSTRUCTION MATERIALS SHALL NOT INTRUDE INTO THE USABLE WIDTH OF THE SIDEWALK, TEMPORARY PATHWAY OR OTHER PEDESTRIAN FACILITY.
8. CONTRACTOR SHALL MAINTAIN PEDESTRIAN TRAFFIC THROUGHOUT PROJECT LIMITS AT ALL TIMES. FOLLOW STANDARDS MD 104.06-09 B-D FOR PEDESTRIAN TRAFFIC CONTROL.
9. WHERE PEDESTRIANS ARE DIRECTED TO CROSS TO THE OPPOSITE SIDE OF THE ROADWAY, APPROPRIATE ADVANCED SIGNING SHOULD BE PLACED AT THE INTERSECTIONS. MID-BLOCK CROSSINGS ARE NOT PERMITTED.
10. ADVANCED NOTIFICATION OF SIDEWALK CLOSURES SHALL BE PROVIDED. A BARRIER THAT IS DETECTABLE BY A PERSON WITH A VISUAL DISABILITY SHALL BE PLACED ACROSS THE FULL WIDTH OF THE CLOSED SIDEWALK.

TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATION

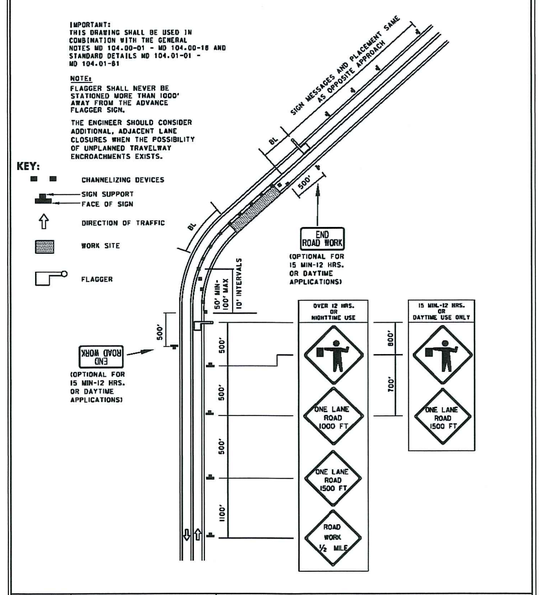


SPECIFICATION 104	CATEGORY CODE ITEMS
APPROVED	DIRECTOR – OFFICE OF TRAFFIC AND SAFETY

APPROVAL + SHA REVISIONS		APPROVAL + FEDERAL HIGHWAY ADMINISTRATION	
APPROVAL	6-30-03	APPROVAL	9-23-03
REVISED	8-11-10	REVISED	10-5-10
REVISED		REVISED	
REVISED		REVISED	

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
SHOULDER WORK/2-LANE, 2-WAY EQL/LESS THAN 40 MPH
STANDARD NO. MD 104.02-02

TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATION

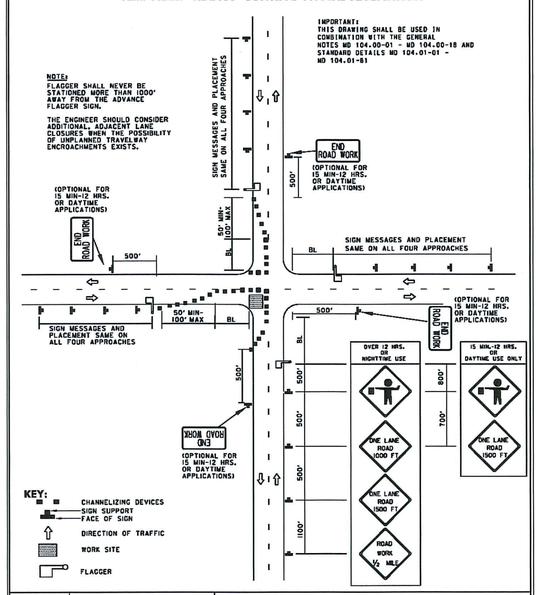


SPECIFICATION 104	CATEGORY CODE ITEMS
APPROVED	DIRECTOR – OFFICE OF TRAFFIC AND SAFETY

APPROVAL + SHA REVISIONS		APPROVAL + FEDERAL HIGHWAY ADMINISTRATION	
APPROVAL	6-30-03	APPROVAL	9-23-03
REVISED	8-11-10	REVISED	7-29-10
REVISED		REVISED	
REVISED		REVISED	

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
FLAGGING OPERATION/2-LANE, 2-WAY EQL/LESS THAN 40 MPH
STANDARD NO. MD 104.02-10

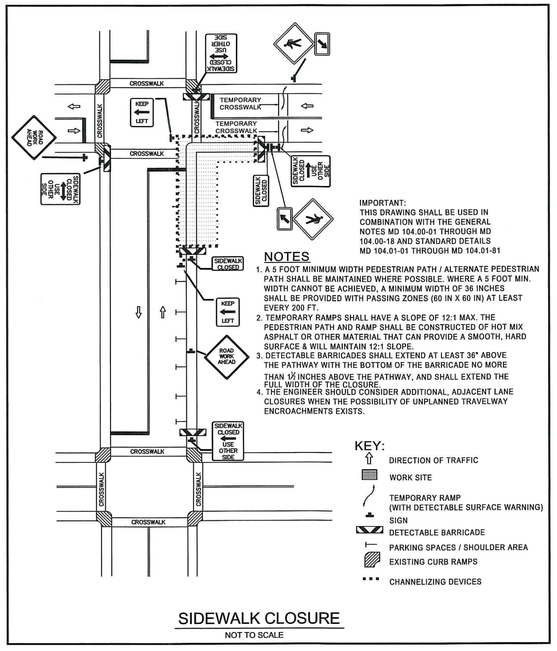
TEMPORARY TRAFFIC CONTROL TYPICAL APPLICATION



SPECIFICATION 104	CATEGORY CODE ITEMS
APPROVED	DIRECTOR – OFFICE OF TRAFFIC AND SAFETY

APPROVAL + SHA REVISIONS		APPROVAL + FEDERAL HIGHWAY ADMINISTRATION	
APPROVAL	6-30-03	APPROVAL	9-23-03
REVISED	8-11-10	REVISED	7-29-10
REVISED		REVISED	
REVISED		REVISED	

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES
INTERSECTION FLAGGING OPERATION 2-LANE,2-WAY EQL/LESS THAN 40 MPH
STANDARD NO. MD 104.02-14



SIDEWALK CLOSURE

NOT TO SCALE

OWNER/DEVELOPER:
THE TOWN OF EMMITSBURG
300A S. SETON AVE.
EMMITSBURG, MD 21727
301-600-6300

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MAYOR DATE

PLANNING COMMISSION CHAIRMAN DATE

FOX & ASSOCIATES INC.
Est. 1966
FOX & ASSOCIATES, INC.
ENGINEERS•SURVEYORS•PLANNERS
981 MT. AETNA ROAD
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FAX: (301)293-6009
WWW.FOXASSOCIATESINC.COM Email: FOXFREDERICK@FOXASSOCIATESINC.COM

DRAWN BY

REVISION

DATE

MAINTENANCE OF TRAFFIC NOTES & DETAILS

TOWN OF EMMITSBURG

SITUATED IN THE TOWN OF EMMITSBURG
TOWN OF EMMITSBURG, ELECTION DISTRICT NO. 5
FREDERICK COUNTY, MARYLAND

SCALE: 1" = 20'

PROFESSIONAL CERTIFICATION

STATE OF MARYLAND JOSEPH H. CECH No. 30709 PROFESSIONAL ENGINEER

9/18/2020

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: 7/23/22

PROJECT NO.	20-31621
DRAWING NO.	D - 3504
DATE:	SEPTEMBER 2020
DRAWN BY:	JWE
CHECKED BY:	JHC

SHEET 13 OF 15

H:\CARLSON PROJECTS\20\31621 Town OF EMMITSBURG\MD-01.dwg, 9/18/2020 2:01:43 PM, JETTER, 1:1

SEQUENCE OF CONSTRUCTION

1. OBTAIN ALL REQUIRED PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
2. PRIOR TO THE PRE-CONSTRUCTION MEETING, THE CONTRACTOR SHALL SUBMIT AN INSTALLATION PHASING PLAN TO THE TOWN FOR APPROVAL. THE WORK SHALL BE ACCOMPLISHED IN MULTIPLE PHASES TO MINIMIZE IMPACTS TO RESIDENTS AND TO MAINTAIN ADEQUATE FIRE PROTECTION AND RESIDENT ACCESS.
3. 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.
4. CONSTRUCT SIDEWALK AND SIDEWALK RAMP IMPROVEMENTS.
5. PROVIDE SAME DAY STABILIZATION FOR DISTURBED AREAS OR INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES. (SEE SAME DAY STABILIZATION NOTE)
6. UPON COMPLETION OF IMPROVEMENTS, WITH THE PERMISSION OF THE SEDIMENT AND EROSION CONTROL INSPECTOR, STABILIZE ANY REMAINING DISTURBED AREAS.

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.

OWNER/DEVELOPER:
THE TOWN OF EMMITSBURG
300A S. SETON AVE.
EMMITSBURG, MD 21727
301-600-6300

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 (BMP'S) 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 (BMP'S) 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	EEA INSPECTION/ DATE
1) PRECONSTRUCTION MEETINGS		
2) COMPLETION OF SEDIMENT CONTROL MEASURES (IF USING BASIN SEE # 6 BELOW)		
3) PRIOR TO MODIFICATION OR REMOVAL OF SED. CNTRL.		
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 ONSITE		
2. SIZING		
3. ANTI-SEEP 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.

TEMPORARY SEEDING NOTES

GENERAL

1. SCOPE:
   PLANTING SHORT TERM VEGITATION 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 STABILZED 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 DEPTHS		
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 VEGATATIVE 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 INTERUPTION.

PERMANENT STABILIZATION WITH SOD

1. ALL SPECIFICATIONS, SITE PREPARATION, INSTALLATION AND MAINTENANCE OF SOD FOR PERMANENT, LONG-LIVED VEGATATIVE 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 (10-20-20)			LIME RATE
No.	SPECIES	APPLICATION RATE (LB/AC)	SEEDING DATES	SEEDING DEPTHS	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.)

SAME DAY STABILIZATION NOTE

WHEN CONSTRUCTING SIDEWALK AND SIDEWALK RAMP IMPROVEMENTS, ALL DISTURBED AREAS SHALL BE STABILIZED AT THE END OF EACH DAY USING TEMPORARY STONE STABILIZATION PRACTICES FOR THIS PROJECT. WHEN SAME DAY STABILIZATION CANNOT BE PROVIDED, INLET PROTECTION IS TO BE PROVIDED DOWNSTREAM OF RAMP IMPROVEMENTS AND 8" FILTER LOG IS TO BE PROVIDED ON THE PERIMETER OF THE LOD.

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MAYOR DATE

PLANNING COMMISSION CHAIRMAN DATE

FOX & ASSOCIATES INC.
Est. 1966

FOX & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS
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HAGERSTOWN, MD. 21740
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FAX: (301)293-6009
WWW.FOXASSOCIATESINC.COM Email: FOXFREDERICK@FOXASSOCIATESINC.COM

DRAWN BY | REVISION | DATE

SEDIMENT & EROSION CONTROL NOTES AND DETAILS

TOWN OF EMMITSBURG

SITUATED IN THE TOWN OF EMMITSBURG
TOWN OF EMMITSBURG, ELECTION DISTRICT NO. 5
FREDERICK COUNTY, MARYLAND

SCALE: AS NOTED

PROFESSIONAL CERTIFICATION

STATE OF MARYLAND — JOSEPH H. CROUT — No. 30709 — PROFESSIONAL ENGINEER

7/10/2020

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: 7/23/22

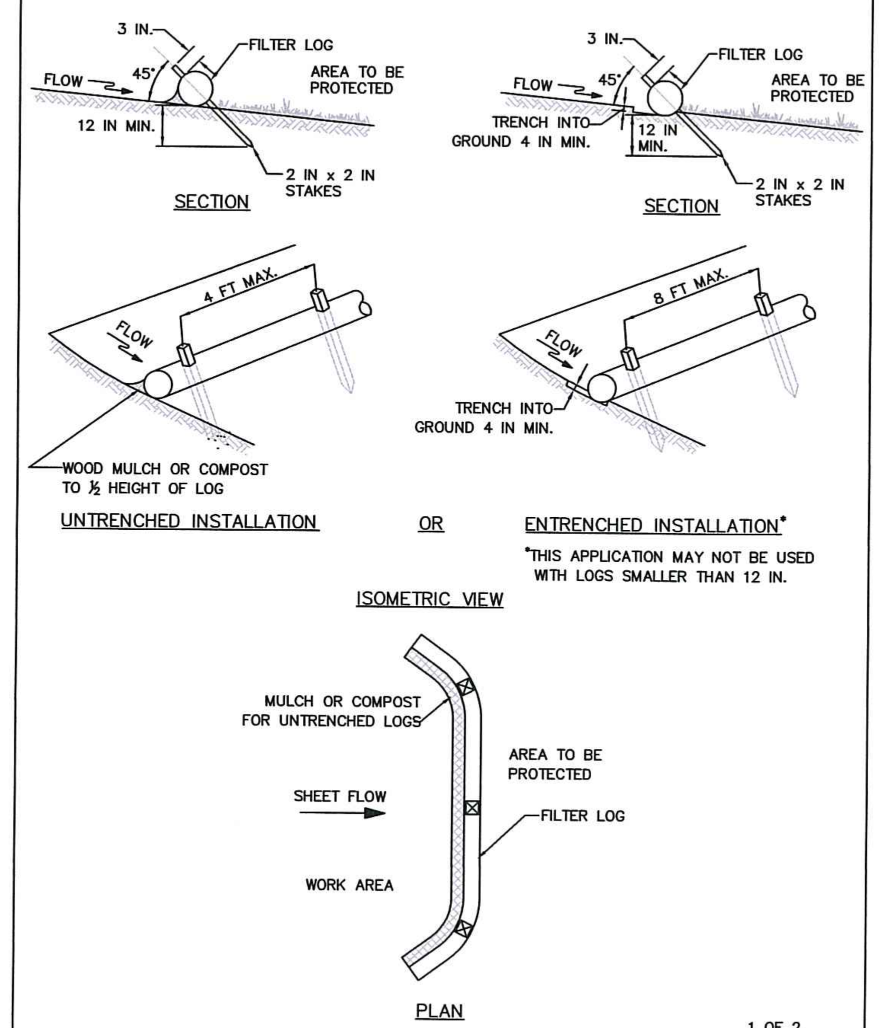
PROJECT NO. 20-31621
DRAWING NO. D - 3504
DATE: SEPTEMBER 2020
DRAWN BY: JWE
CHECKED BY: JHC

SHEET 14 OF 15

H:\Carlson Projects\20\31621 Town of Emmitsburg\WD-01.dwg, 9/18/2020 2:02:58 PM, JETTER, 1:1

DETAIL E-6 FILTER LOG

STANDARD SYMBOL
FL-18
DESIGNATION FL-18 REFERS TO 18 INCH DIAMETER FILTER LOG.



1 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL E-6 FILTER LOG

STANDARD SYMBOL
FL-18
DESIGNATION FL-18 REFERS TO 18 INCH DIAMETER FILTER LOG.

CONSTRUCTION SPECIFICATIONS

1. PRIOR TO INSTALLATION, CLEAR ALL OBSTRUCTIONS INCLUDING ROCKS, CLODS, AND DEBRIS GREATER THAN ONE INCH THAT MAY INTERFERE WITH PROPER FUNCTION OF FILTER LOG.
2. FILL LOG NETTING UNIFORMLY WITH COMPOST (IN ACCORDANCE WITH SECTION H-1 MATERIALS), OR OTHER APPROVED BIODEGRADABLE MATERIAL TO DESIRED LENGTH SUCH THAT LOGS DO NOT DEFORM.
3. INSTALL FILTER LOGS PERPENDICULAR TO THE FLOW DIRECTION AND PARALLEL TO THE SLOPE WITH THE BEGINNING AND END OF THE INSTALLATION POINTING SLIGHTLY UP THE SLOPE CREATING A "J" SHAPE AT EACH END TO PREVENT BYPASS.
4. FOR UNTRENCHED INSTALLATION BLOW OR HAND PLACE MULCH OR COMPOST ON UPHILL SIDE OF THE SLOPE ALONG LOG.
5. STAKE FILTER LOG EVERY 4 FEET OR CLOSER ALONG ENTIRE LENGTH OF LOG OR TRENCH LOG INTO GROUND A MINIMUM OF 4 INCHES AND STAKE LOG EVERY 8 FEET OR CLOSER.
6. USE STAKES WITH A MINIMUM NOMINAL CROSS SECTION OF 2X2 INCH AND OF SUFFICIENT LENGTH TO ATTAIN A MINIMUM OF 12 INCHES INTO THE GROUND AND 3 INCHES PROTRUDING ABOVE LOG.
7. WHEN MORE THAN ONE LOG IS NEEDED, OVERLAP ENDS 12 INCHES MINIMUM AND STAKE.
8. REMOVE SEDIMENT WHEN IT HAS ACCUMULATED TO A DEPTH OF ½ THE EXPOSED HEIGHT OF LOG AND REPLACE MULCH. REPLACE FILTER LOG IF TORN. REINSTALL FILTER LOG IF UNDERMINING OR DISLODGING OCCURS. REPLACE CLOGGED FILTER LOGS. FOR PERMANENT APPLICATIONS, ESTABLISH AND CONTINUOUSLY MEET REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.

2 OF 2

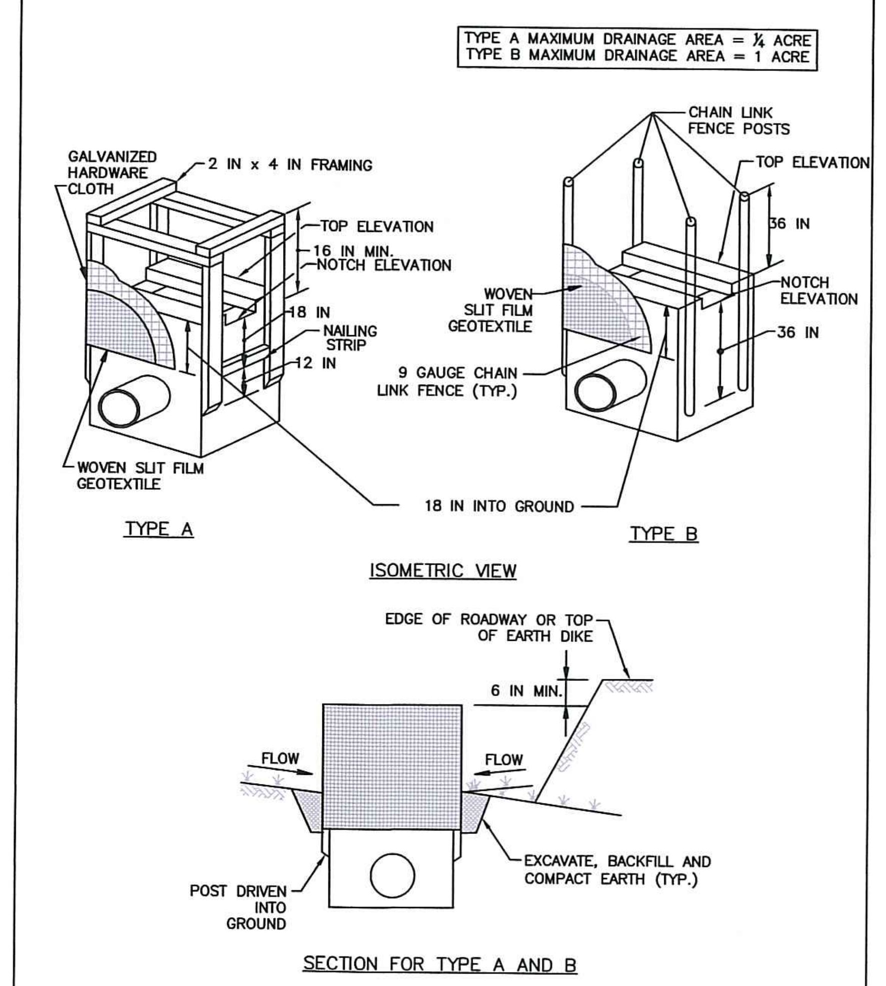
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL E-9-1 STANDARD INLET PROTECTION

STANDARD SYMBOL
SIP

TYPE A MAXIMUM DRAINAGE AREA = ¼ ACRE
TYPE B MAXIMUM DRAINAGE AREA = 1 ACRE



1 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL E-9-1 STANDARD INLET PROTECTION

STANDARD SYMBOL
SIP

CONSTRUCTION SPECIFICATIONS

1. USE WOVEN SLIT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
2. EXCAVATE COMPLETELY AROUND THE INLET TO A DEPTH OF 18 INCHES BELOW THE NOTCH ELEVATION.
3. FOR TYPE A, USE NOMINAL 2 INCH X 4 INCH CONSTRUCTION GRADE LUMBER POSTS, DRIVEN 1 FOOT INTO THE GROUND AT EACH CORNER OF THE INLET. PLACE NAIL STRIPS BETWEEN THE POSTS ON THE ENDS OF THE INLET. ASSEMBLE THE TOP PORTION OF THE 2X4 FRAME AS SHOWN. STRETCH ½ INCH GALVANIZED HARDWARE CLOTH TIGHTLY AROUND THE FRAME AND FASTEN SECURELY. FASTEN GEOTEXTILE SECURELY TO THE HARDWARE CLOTH WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND HARDWARE CLOTH A MINIMUM OF 18 INCHES BELOW THE WEIR CREST. THE ENDS OF THE GEOTEXTILE MUST MEET AT A POST, BE OVERLAPPED AND FOLDED, THEN FASTENED TO THE POST.

   FOR TYPE B, USE 2⅜ INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND 6 FOOT LENGTH, DRIVEN A MINIMUM OF 36 INCHES BELOW THE WEIR CREST AT EACH CORNER OF THE STRUCTURE. FASTEN 9 GAUGE OR HEAVIER CHAIN LINK FENCE, 42 INCHES IN HEIGHT, SECURELY TO THE FENCE POSTS WITH WIRE TIES. FASTEN GEOTEXTILE SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 18 INCHES BELOW THE WEIR CREST.
4. BACKFILL AROUND THE INLET IN LOOSE 4 INCH LIFTS AND COMPACT UNTIL SOIL IS LEVEL WITH THE NOTCH ELEVATION ON THE ENDS AND TOP ELEVATION ON THE SIDES.
5. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

2 OF 2

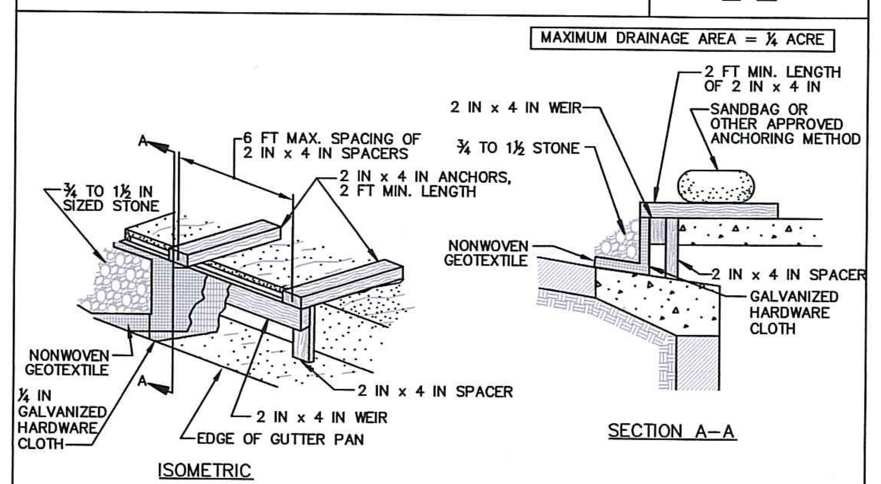
MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL E-9-3 CURB INLET PROTECTION

STANDARD SYMBOL
CIP

MAXIMUM DRAINAGE AREA = ¼ ACRE



CONSTRUCTION SPECIFICATIONS

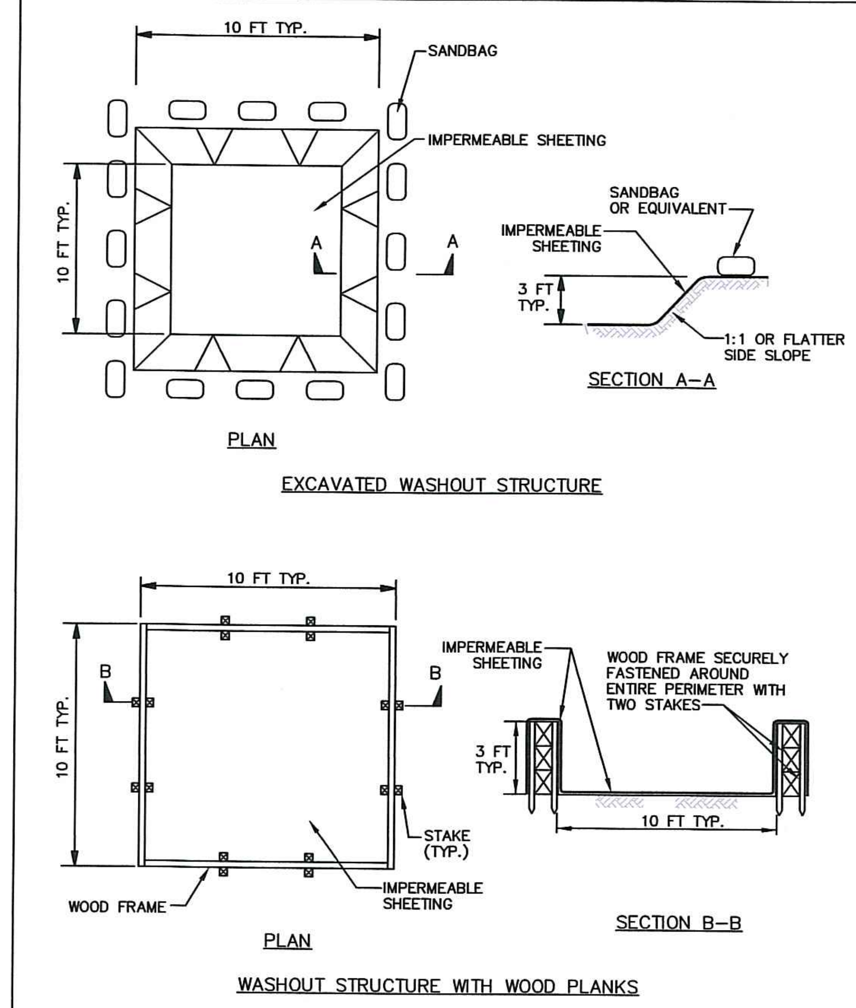
1. USE NOMINAL 2 INCH x 4 INCH LUMBER
2. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.
3. NAIL THE 2x4 WEIR TO 9 INCH LONG VERTICAL SPACERS (MAXIMUM 6 FEET APART).
4. ATTACH A CONTINUOUS PIECE OF ¼ INCH GALVANIZED HARDWARE CLOTH, WITH A MINIMUM WIDTH OF 30 INCHES AND A MINIMUM LENGTH OF 4 FEET LONGER THAN THE THROAT OPENING, TO THE 2x4 WEIR, EXTENDING IT 2 FEET BEYOND THROAT ON EACH SIDE.
5. PLACE A CONTINUOUS PIECE OF NONWOVEN GEOTEXTILE OF THE SAME DIMENSIONS AS THE HARDWARE CLOTH OVER THE HARDWARE CLOTH AND SECURELY ATTACH TO THE 2x4 WEIR.
6. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL TO 2x4 ANCHORS (MINIMUM 2 FEET LENGTH). EXTEND THE ANCHORS ACROSS THE INLET TOP AND HOLD IN PLACE BY SANDBAGS OR OTHER APPROVED ANCHORING METHOD.
7. INSTALL END SPACERS A MINIMUM OF 1 FOOT BEYOND THE ENDS OF THE THROAT OPENING.
8. FORM THE HARDWARE CLOTH AND THE GEOTEXTILE TO THE CONCRETE GUTTER AND FACE OF CURB TO SPAN THE INLET OPENING. COVER THE HARDWARE CLOTH AND GEOTEXTILE WITH CLEAN ¾ TO 1½ INCH STONE OR EQUIVALENT RECYCLED CONCRETE.
9. AT NON-SUMP LOCATIONS, INSTALL A TEMPORARY SANDBAG OR ASPHALT BERM TO PREVENT INLET BYPASS.
10. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL H-6 ONSITE CONCRETE WASHOUT STRUCTURE

STANDARD SYMBOL
CWS



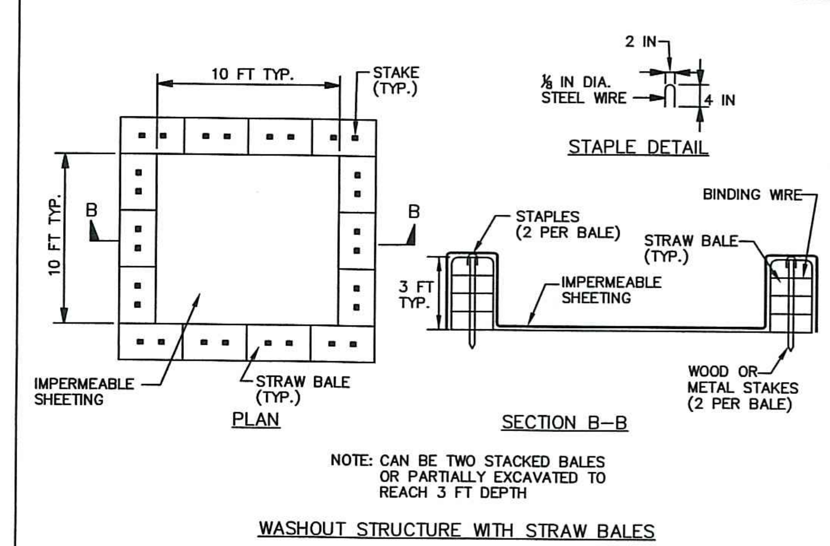
1 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DETAIL H-6 ONSITE CONCRETE WASHOUT STRUCTURE

STANDARD SYMBOL
CWS



CONSTRUCTION SPECIFICATIONS

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

2 OF 2

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE	2011	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

OWNER/DEVELOPER:
THE TOWN OF EMMITSBURG
300A S. SETON AVE.
EMMITSBURG, MD 21727
301-600-6300

APPROVED BY:
TOWN OF EMMITSBURG

TOWN MAYOR DATE

PLANNING COMMISSION CHAIRMAN DATE

FOX & ASSOCIATES INC. Est. 1966

FOX & ASSOCIATES, INC.
ENGINEERS • SURVEYORS • PLANNERS
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WWW.FOXASSOCIATESINC.COM Email: FOXFREDERICK@FOXASSOCIATESINC.COM

DRAWN BY	REVISION	DATE

SEDIMENT & EROSION CONTROL NOTES AND DETAILS

TOWN OF EMMITSBURG

SITUATED IN THE TOWN OF EMMITSBURG
TOWN OF EMMITSBURG, ELECTION DISTRICT NO. 5
FREDERICK COUNTY, MARYLAND

SCALE: AS NOTED

PROFESSIONAL CERTIFICATION

STATE OF MARYLAND · JOSEPH H. CECI · PROFESSIONAL ENGINEER · No. 30709
9/18/2020

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: 7/23/22

PROJECT NO.	20-31621
DRAWING NO.	D - 3504
DATE:	SEPTEMBER 2020
DRAWN BY:	JWE
CHECKED BY:	JHC

SHEET 15 OF 15

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