

C-10
CURVE DATA
 DELTA = 28°20' 46.7" LT.
 Dc = 10°25' 02.7"
 R = 550.00'
 T = 138.90'
 L = 272.11'
 E = 58.44'

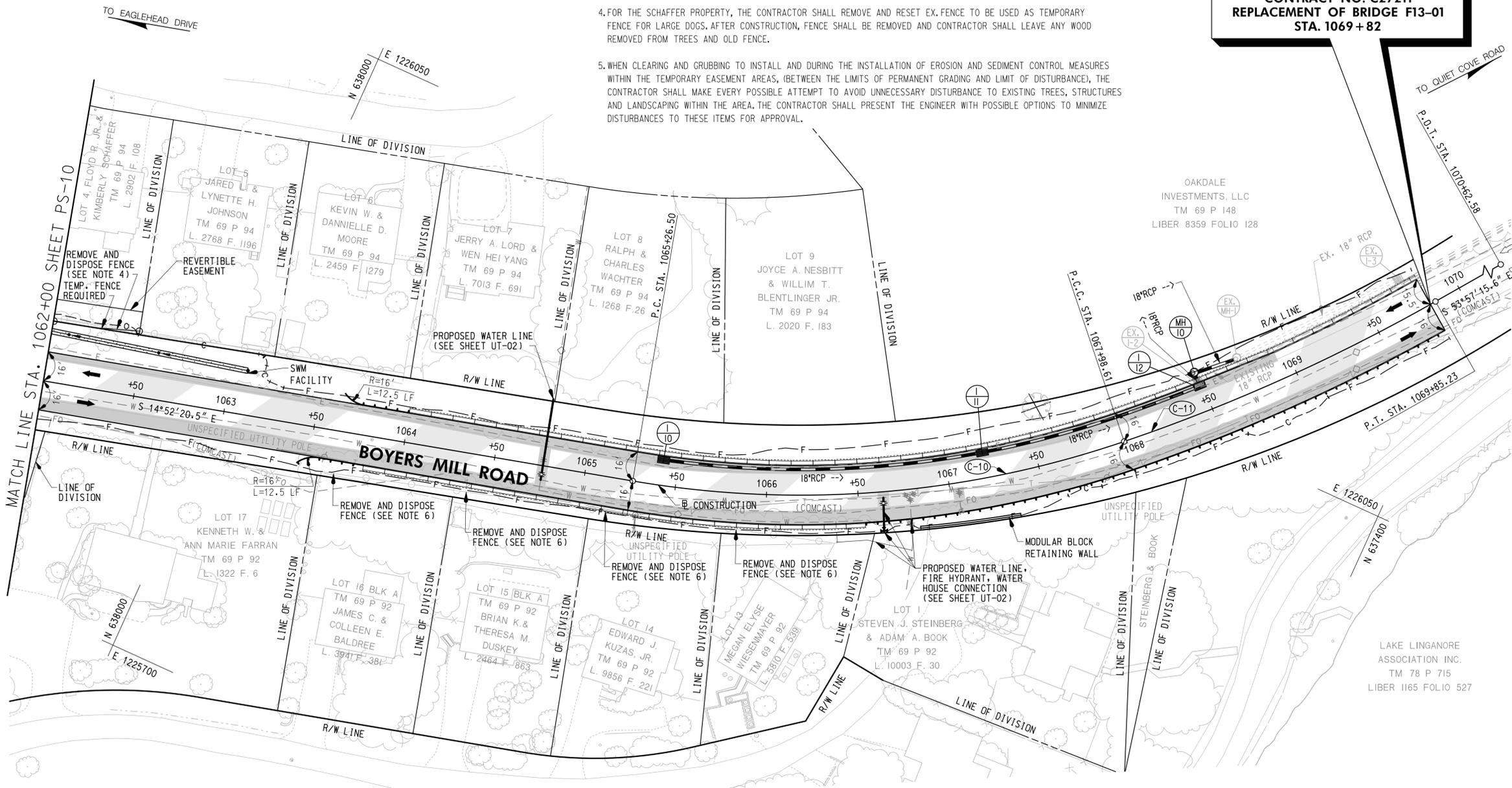
C-11
CURVE DATA
 DELTA = 10°44' 08.4" LT.
 Dc = 5°45' 09.3"
 R = 996.00'
 T = 93.59'
 L = 186.62'
 E = 4.39'



NOTES:

1. WHEN REMOVING AND REPLACING FENCE, IT SHALL BE LOCATED TO THE NEAREST POST AND SHALL BE PLACED ALONG RIGHT-OF-WAY LINE UNLESS DIRECTED TO REPLACE IN PLACE.
2. FOR FULL DEPTH PATCHING LOCATION AND OFFSET, REFER TO CONTRACTING DOCUMENTS. SOME PATCHING SHOWN MAY NOT BE REQUIRED AND THIS CAN BE DETERMINED BY THE ON-SITE COUNTY INSPECTOR ON A CASE-BY-CASE BASIS.
3. FOR TREE PROTECTION FENCE (TPF) LOCATIONS, SEE EROSION AND SEDIMENT CONTROL SHEETS EP(IA)-09 THROUGH EP(5)-12.
4. FOR THE SCHAFER PROPERTY, THE CONTRACTOR SHALL REMOVE AND RESET EX. FENCE TO BE USED AS TEMPORARY FENCE FOR LARGE DOGS. AFTER CONSTRUCTION, FENCE SHALL BE REMOVED AND CONTRACTOR SHALL LEAVE ANY WOOD REMOVED FROM TREES AND OLD FENCE.
5. WHEN CLEARING AND GRUBBING TO INSTALL AND DURING THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES WITHIN THE TEMPORARY EASEMENT AREAS, (BETWEEN THE LIMITS OF PERMANENT GRADING AND LIMIT OF DISTURBANCE), THE CONTRACTOR SHALL MAKE EVERY POSSIBLE ATTEMPT TO AVOID UNNECESSARY DISTURBANCE TO EXISTING TREES, STRUCTURES AND LANDSCAPING WITHIN THE AREA. THE CONTRACTOR SHALL PRESENT THE ENGINEER WITH POSSIBLE OPTIONS TO MINIMIZE DISTURBANCES TO THESE ITEMS FOR APPROVAL.

LIMIT OF WORK
PROJECT NO. C28412
BOYERS MILL ROAD AND
CONTRACT NO. C27211
REPLACEMENT OF BRIDGE F13-01
STA. 1069+82



REMOVE AND DISPOSE OF EXISTING FENCE 48 L.F. - BOYERS MILL STA. 1062+00, LT. TO BOYERS MILL STA. 1062+47, LT. 284 L.F. - BOYERS MILL STA. 1063+58, RT. TO BOYERS MILL STA. 1066+37, RT.
REMOVE AND RESET EXISTING FENCE* 48 L.F. - BOYERS MILL STA. 1062+00 TO 1062+47, LT.
*EXISTING FENCE WILL BE USED FOR TEMPORARY FENCE TO HOLD CHILDREN AND ANIMALS. FENCE WILL BE REPLACED AT THE END OF CONSTRUCTION.
34 INCH F SHAPE CONCRETE TRAFFIC BARRIER (STD. MD-648.47) 110 L.F. - BOYERS MILL STA. 1063+80 TO 1064+90, RT. 40 L.F. - BOYERS MILL STA. 1064+10 TO 1064+50, LT. 34 L.F. - BOYERS MILL STA. 1066+20 TO 1066+53, RT.
42 INCH F SHAPE CONCRETE TRAFFIC BARRIER (STD. MD-648.54) 134 L.F. - BOYERS MILL STA. 1064+90 TO 1066+20, RT. 354 L.F. - BOYERS MILL STA. 1066+20 TO 1069+82, LT.
60 INCH F SHAPE CONCRETE TRAFFIC BARRIER 168 L.F. - BOYERS MILL STA. 1064+50 TO 1066+20, LT.
TRAFFIC BARRIER W BEAM USING 8 FOOT POST (STD. MD-605.25) 13 L.F. - BOYERS MILL STA. 1063+44 TO 1063+55, RT. 13 L.F. - BOYERS MILL STA. 1063+64 TO 1063+75, LT. 312 L.F. - BOYERS MILL STA. 1066+78 TO 1069+82, RT.
TRAFFIC BARRIER W BEAM ANCHORAGE TO VERTICAL FACE (STD. MD-605.42) 1 EA. - BOYERS MILL STA. 1063+80, RT. 1 EA. - BOYERS MILL STA. 1064+00, LT. 1 EA. - BOYERS MILL STA. 1066+53, RT.
TRAFFIC BARRIER END TREATMENTS 1 EA. TYPE L (MD-605.13) - BOYERS MILL STA. 1063+55, RT. 1 EA. TYPE L (MD-605.13) - BOYERS MILL STA. 1063+75, LT.
MODULAR BLOCK RETAINING WALL* 1 L.S. - BOYERS MILL STA. 1066+82 TO 1067+35, RT.
*SEE SHEET II FOR DETAILS

LEGEND

	FULL DEPTH RECONSTRUCTION
	FULL DEPTH PATCHING
	GRIND / RESURFACING
	PAVEMENT REMOVAL
	TYPE B SOIL STABILIZATION MATTING
	COBBLESTONE STAMPED PORTLAND CEMENT CONCRETE
	PLAIN PORTLAND CEMENT CONCRETE
	TRAFFIC FLOW ARROW
	CONSTRUCTION
	SOIL BORING
	UTILITY TEST PITS

F-SHAPE BARRIER LEFT TRANSITIONS

REFERENCE STATION	OFFSET	TYPE	REMARKS
1064+00 TO 1064+50	16.0' LT.	34"	
1064+50 TO 1065+20	16.0' LT.	TRANSITION	34" TO 60"
1065+20 TO 1065+70	16.0' LT.	60"	
1065+70 TO 1066+20	16.0' LT.	TRANSITION	60" TO 42"
1066+20 TO 1069+82	16.0' LT.	42"	TIE-IN TO EXISTING 42" F SHAPE BARRIER

F-SHAPE BARRIER RIGHT TRANSITIONS

REFERENCE STATION	OFFSET	TYPE	REMARKS
1063+80 TO 1064+90	16.0' RT.	34"	
1064+90 TO 1065+10	16.0' RT.	TRANSITION	34" TO 42"
1065+10 TO 1066+00	16.0' RT.	42"	
1066+00 TO 1066+20	16.0' RT.	TRANSITION	42" TO 34"
1066+20 TO 1066+53	16.0' RT.	34"	TIE-IN TO EXISTING W BEAM TRAFFIC BARRIER

SIDE DITCH/SWM BIO-SWALE STAKEOUT

REFERENCE STATION	OFFSET	INVERT ELEVATION
1062+00	27.4' LT.	396.93
1062+25	26.6' LT.	397.63
1062+50	25.9' LT.	398.33
1062+75	25.1' LT.	399.03
1063+00	24.3' LT.	399.73
1063+09	24.0' LT.	400.00

ADDITIONAL NOTES:

6. FOR THE BALDREE, DUSKEY, KUZAS, AND WIENSMAYER PROPERTIES, THE FREESTANDING FENCE WITHIN THE COUNTY'S RIGHT-OF-WAY WILL BE REMOVED AND DISPOSED. IF THE PRIVATE FENCING BEHIND THE COUNTY'S RIGHT-OF-WAY IS EXPECTED TO BE IMPACTED AT ANY TIME, CONTRACTOR SHALL CONTACT THE COUNTY PROJECT MANAGER BEFORE PROCEEDING.

STORMWATER MANAGEMENT FACILITIES

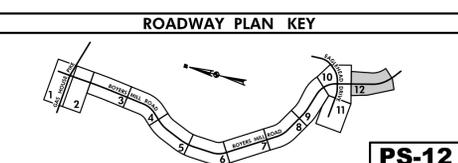
FACILITY ID	LOCATION	GRADING, PROFILE AND DETAILS
BIO-SWALE 11-2	STA. 1062+00 TO STA. 1063+09, LT.	SW-17 AND SW-18 (CONTINUES ON PS-10)



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 A Limited Liability Partnership

CROSS REFERENCE

ITEM	SHEET NOS.
TYPICAL SECTIONS	TS-1 TO TS-3
SUPERELEVATION CHARTS	SE-1
PIPE & DRAINAGE SCHEDULE	SS-1
GEOMETRIC LAYOUT SHEETS	GS-1 TO GS-3
ROADWAY PLAN SHEETS	PS-1 TO PS-12
ROADWAY PROFILE SHEETS	PR-1 TO PR-13
TRAFFIC CONTROL SHEETS	TC-1 TO TC-7
EROSION & SEDIMENT CONTROL PLANS	EP-1 TO EP(5)-12
SIGNING & MARKING PLANS	SM-1 TO SM-12
LANDSCAPE PLAN SHEETS	LD-1 TO LD-14
RESPECTIVE RIGHT-OF-WAY PLATS	PLAT NO. 408-420



FREDERICK COUNTY, MARYLAND
 DIVISION OF PUBLIC WORKS
 DEPARTMENT OF ENGINEERING AND CONSTRUCTION MANAGEMENT
 OFFICE OF TRANSPORTATION ENGINEERING
 FREDERICK COUNTY, MARYLAND

BOYERS MILL ROAD
FROM GAS HOUSE PIKE
TO NORTH OF LAKE LINGANORE
ROADWAY PLAN

DATE: JUNE 2016 SCALE: 1"=30'
 PROJECT NO: C28412 DWG. 28 OF 132