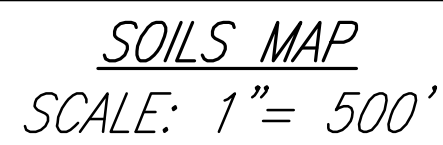


ENGINEER:
RINKER DESIGN ASSOCIATES, P.C.
CONTACT: BRIAN P. KOMAR, PE
927 MAPLE GROVE DRIVE, SUITE 105
FREDERICKSBURG, VA 22407
PHONE: (540) 548-4470
FAX: (540) 548-4471



SOIL #	SOIL NAME	HSG	K-FACTOR	DRAINAGE CLASS	SLOPES
AwE	AURA-GALESTOWN-SASSAFRAS COMPLEX	B	0.28	WELL	15-30%
Cn	CONGAREE LOAM	B	0.20	WELL	0-4%

	REVISION BLOCK		
NO.	SHEET NO. AND REVISION	DESCRIPTION	DATE

*INCLUDED WITHIN 30% PLANS

LEGEND

EXISTING INTERMEDIATE CONTOUR

EXISTING INDEX CONTOUR

PROPOSED CONTOUR

EXISTING EDGE OF PAVEMENT

PROPOSED EDGE OF PAVEMENT

EXISTING CURB AND GUTTER

PROPOSED CURB AND GUTTER

TRANSITION FROM CG-6 TO CG-6R

EXISTING TELEPHONE LINE

PROPOSED TELEPHONE LINE

EXISTING STORM SEWER

PROPOSED STORM SEWER

EXISTING SANITARY SEWER

PROPOSED SANITARY SEWER

EXISTING ELECTRIC SERVICE

PROPOSED ELECTRIC SERVICE

EXISTING CATV SERVICE

PROPOSED CATV SERVICE

EXISTING GAS LINE

PROPOSED GAS LINE

PROPERTY LINE

EASEMENT LINE

CENTERLINE

LIMITS OF CLEARING AND GRADING

EXISTING SPOT ELEVATION

PROPOSED SPOT ELEVATION

EXISTING TREE DRIP LINE

100-YR. OVERLAND RELIEF PATH

FLOW LINE

FENCE LINE

EXISTING UTILITY POLE

PROPOSED UTILITY POLE

EXISTING WATERLINE W/ TEE

PROPOSED WATERLINE W/ TEE

EXISTING FIRE HYDRANT

PROPOSED FIRE HYDRANT

EXISTING WATER VALVE

PROPOSED WATER VALVE

PROPOSED WATER METER

EXISTING REDUCER

PROPOSED REDUCER

STOP SIGN

HANDICAP RAMP (CG-12A)

DENOTES LOCATION OF STD VDOT CG-12 AND OPS JURISDICTIONAL STANDARD RAMP CONSTRUCTION

PARKING INDICATOR

INDICATES THE NUMBER OF TYPICAL PARKING SPACES

TEST PIT LOCATION

CRITICAL SLOPE

SLOPES TO BE STABILIZED PURSUANT TO VIRGINIA EROSION AND SEGMENT CONTROL HANDBOOK

VEHICLES PER DAY COUNT

PROPOSED BUILDING ENTRANCE

EXISTING STREET LIGHT

PROPOSED STREET LIGHT

PROPOSED STREET NAME SIGN

PROPOSED SANITARY LATERAL CLEANOUP

SANITARY MANHOLE IDENTIFIER

STORM DRAIN STRUCTURE IDENTIFIER

PROPOSED SANITARY CLEANOUP

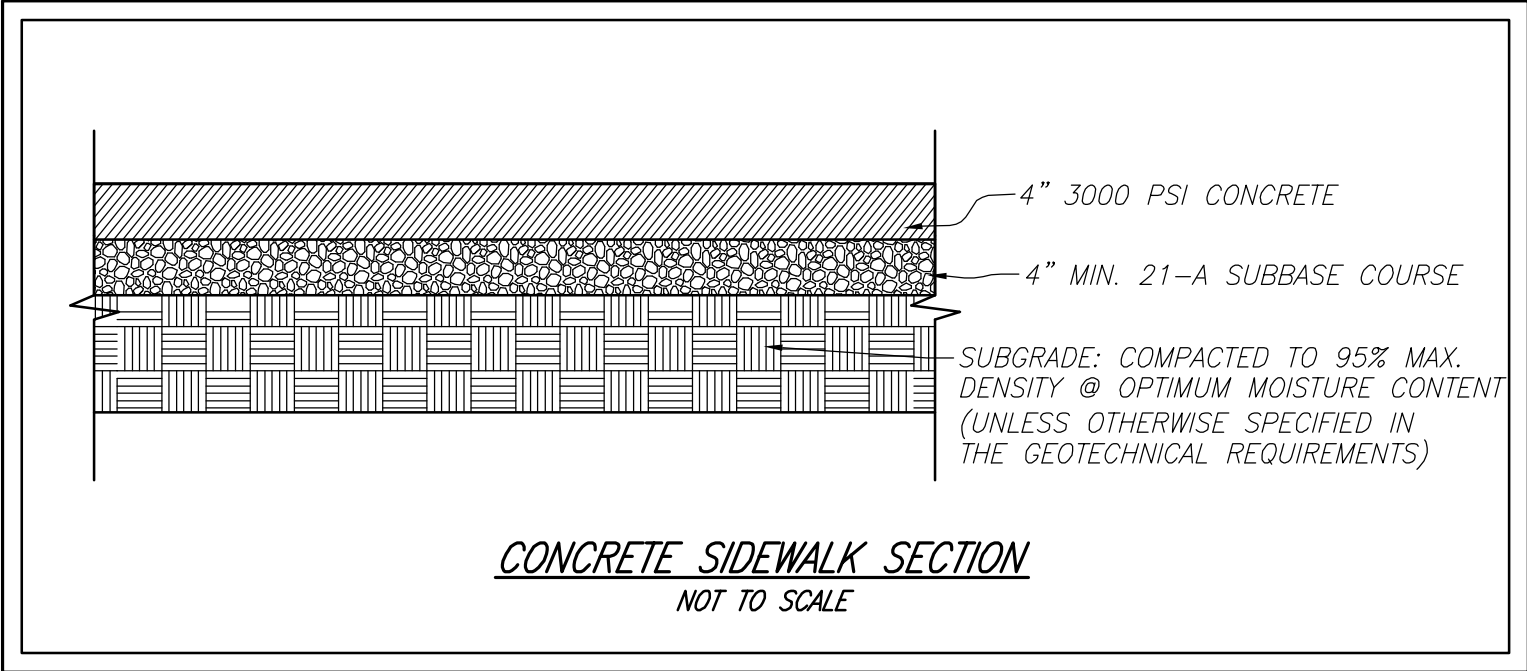
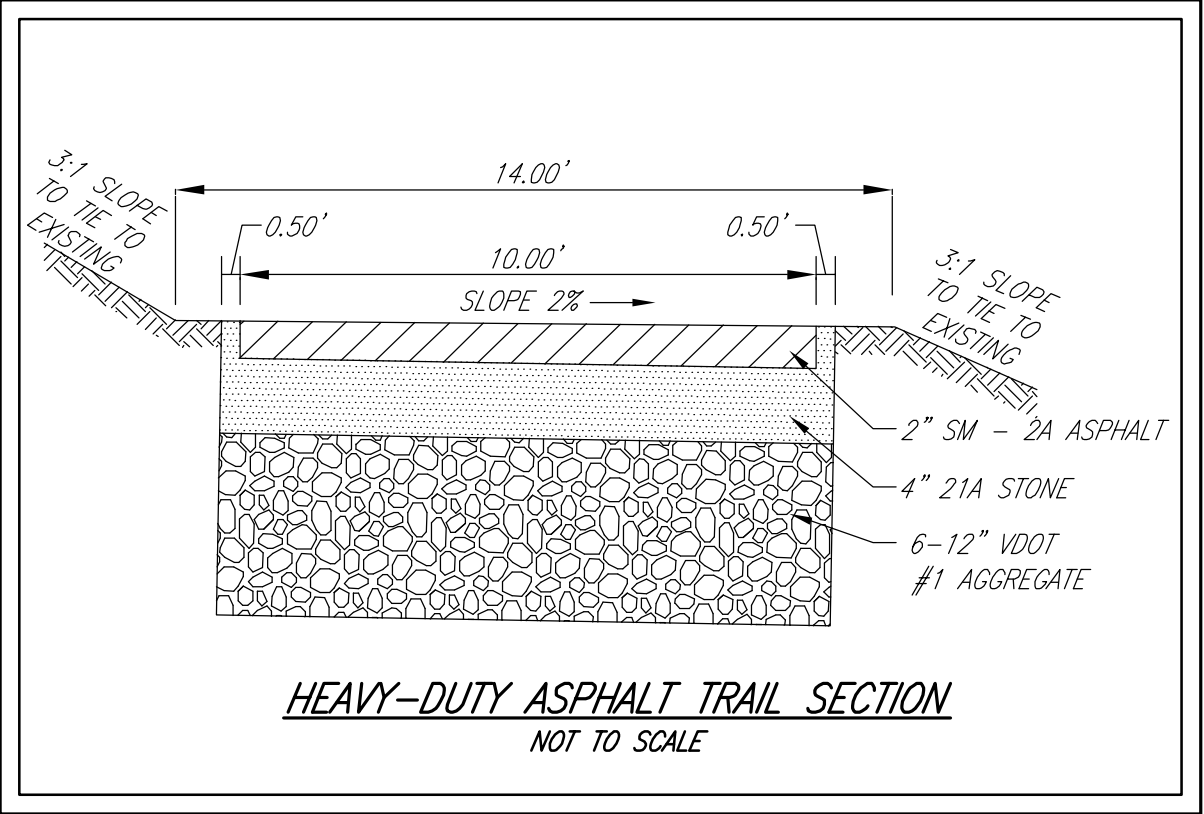
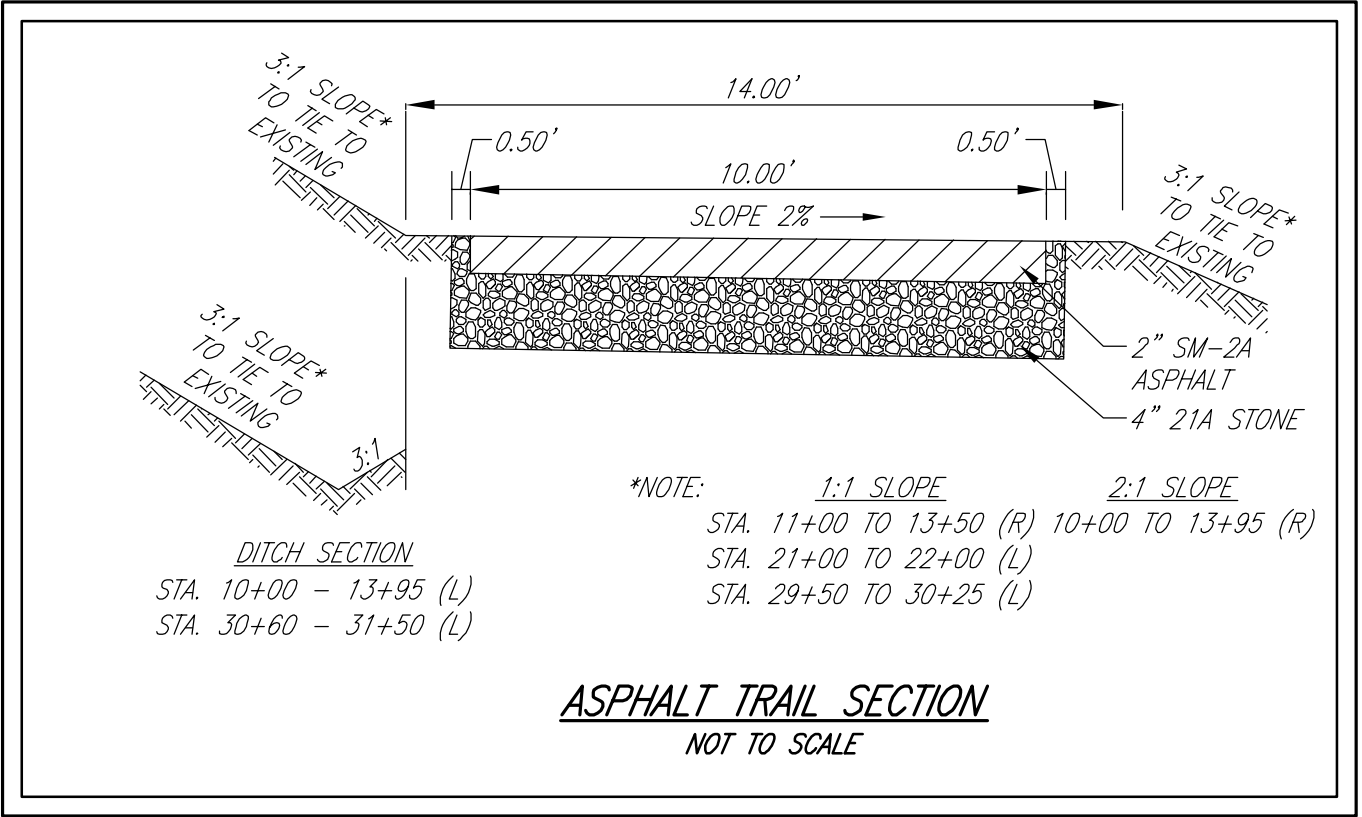
APPROVAL SIGNATURE BLOCK	
<i>AGENT FOR STAFFORD COUNTY BOARD OF SUPERVISORS</i>	<i>DATE</i>
<i>N/A</i>	<i>N/A</i>
<i>DEPARTMENT OF UTILITIES</i>	<i>DATE</i>
<i>E&S/STORMWATER ADMINISTRATOR</i>	<i>DATE</i>
<i>FIRE MARSHALL</i>	<i>DATE</i>
<i>VIRGINIA DEPARTMENT OF TRANSPORTATION</i>	<i>DATE</i>
<i>NOTE: A.R.B. APPROVAL IS REQUIRED PRIOR TO PLAN APPROVAL.</i>	

CERTIFICATION OF STORM SEWERS, STORMWATER CONVEYANCE CHANNELS, STORMWATER MANAGEMENT PONDS, BIOTRETMENT STRUCTURES, ETC. SHALL BE PROVIDED TO STAFFORD COUNTY PRIOR TO RELEASE OF RELATED SECURITIES. THE CERTIFICATIONS SHALL BE IN ACCORDANCE WITH STAFFORD COUNTY'S STORMWATER MANAGEMENT DESIGN MANUAL. PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR MUST CONSULT WITH THE CERTIFYING PROFESSIONALS (INCLUDING GEOTECHNICAL ENGINEERS) WHO WILL PROVIDE THE CERTIFICATIONS OF THESE MEASURES. THIS CERTIFICATION INCLUDES ALL ASPECTS OF DESIGN AND CONSTRUCTION AND MUST BE ACCOMPANIED BY AS-BUILT PLANS AND, WHERE APPLICABLE, A GEOTECHNICAL INSPECTIONS REPORT.

REVISIONS:

[illegible]

DATE:	AUGUST 2013
SCALE:	AS SHOWN
DESIGN:	BPK
DRAFT:	RDA
CHECKED BY:	BPK
ARCH:	N/A
JOB NUMBER:	13028-001
SHEET:	1



TRAIL TYPE AND LOCATION TABLE		
DESIGN SPEED - 20 MPH		
DESCRIPTION	SURFACE TYPE	STATIONING
TRAIL 'A': PROPOSED ASPHALT	ASPHALT TRAIL	10+00 - 37+73
TRAIL 'B': PROPOSED CONCRETE	CONCRETE SIDEWALK	10+00 - 10+63
TRAIL 'B': PROPOSED ASPHALT	HEAVY-DUTY ASPHALT TRAIL	10+63 - 13+95



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TRAIL SECTIONS
**BELMONT-FERRY FARM
TRAIL - PHASE 4**
FALMOUTH MAGISTERIAL DISTRICT
STAFFORD COUNTY, VIRGINIA

REVISIONS:	

DATE:	AUGUST 2013
SCALE:	AS SHOWN
DESIGN:	BPK
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ARCH:	N/A
JOB NUMBER:	13028-001
SHEET:	2A



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GENERAL NOTES

**BELMONT-FERRY FARM
TRAIL - PHASE 4**

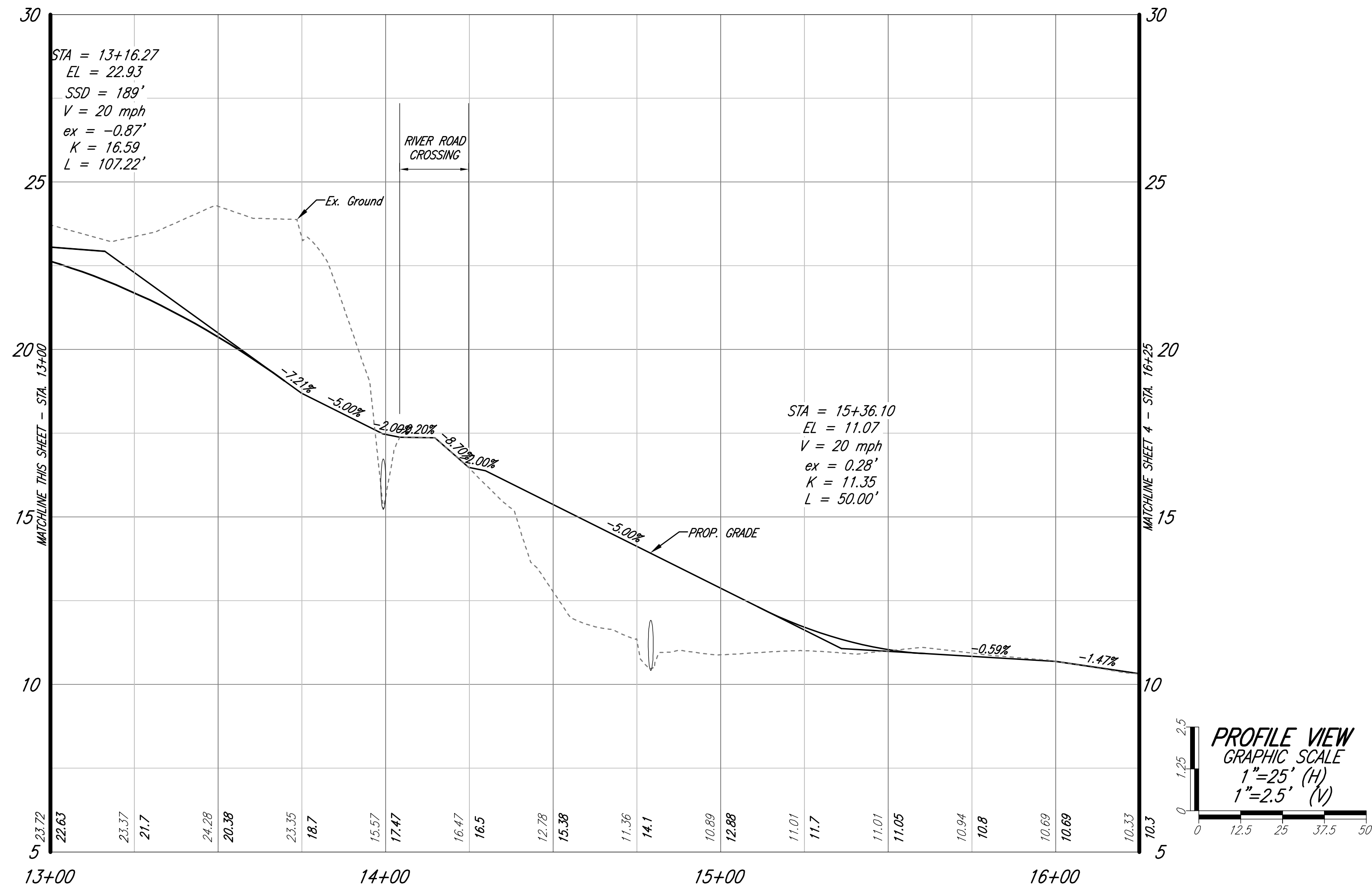
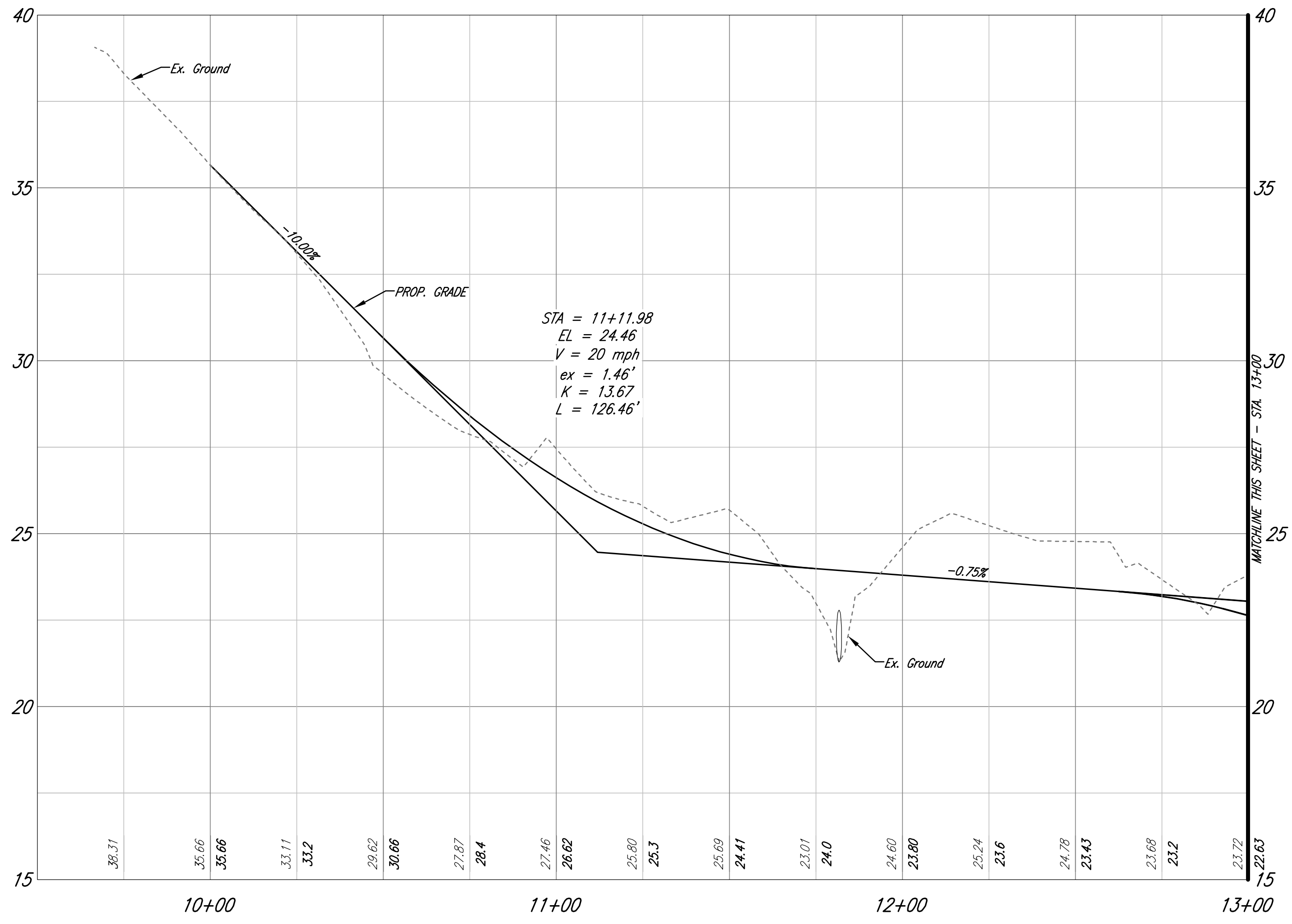
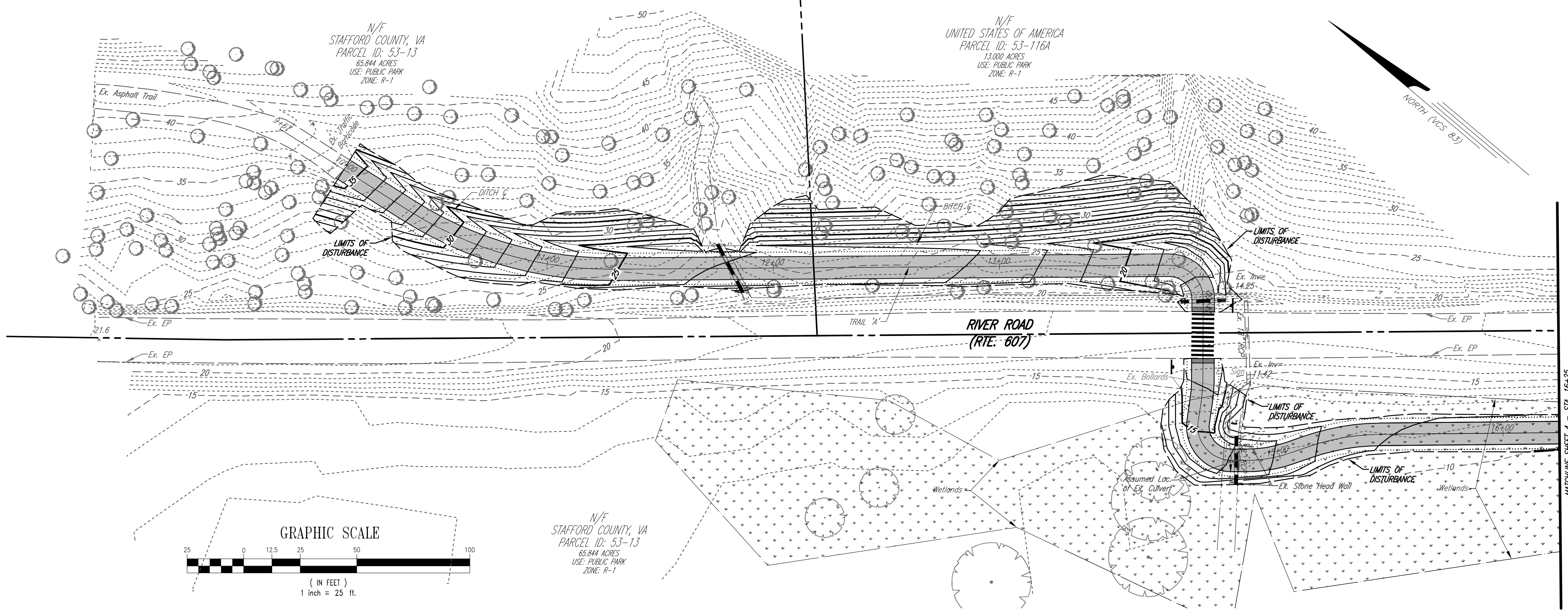
FALMOUTH MAGISTERIAL DISTRICT
STAFFORD COUNTY, VIRGINIA

REVISIONS:

DATE:	AUGUST 2013
SCALE:	AS SHOWN
DESIGN:	BPK
DRAFT:	RDA
CHECKED BY:	BPK
ARCH:	N/A
JOB NUMBER:	13028-001
SHEET:	2

GENERAL NOTES

1. THE TOPOGRAPHIC INFORMATION ON THIS PLAN TO THE WEST OF THE CHATHAM BRIDGE WAS FIELD RUN BY RINKER DESIGN ASSOCIATES, P.C. IN JULY 2013, AND AT AND TO THE EAST THE CHATHAM BRIDGE IS BASED ON COUNTY GIS. BOUNDARY SURVEY WAS PERFORMED BY RINKER DESIGN ASSOCIATES, P.C. IN MAY 2013. CONTOUR INTERVAL IS 1'.
2. SURVEY INFORMATION IS BASED ON 1983 VIRGINIA STATE GRID, NORTH ZONE (US SURVEY FEET) FOR HORIZONTAL DATUM AND NGVD 29 FOR VERTICAL CONTROL. THE ELEVATIONS SHOWN ARE FEET ABOVE MEAN SEA LEVEL.
3. ALL CONSTRUCTION SHALL COMPLY WITH THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (LATEST EDITION).
4. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL CONTACT "MISS UTILITY" AND HAVE ALL EXISTING UTILITIES LOCATED AS NECESSARY.
5. THERE ARE NO LOCATED EXISTING UNDERGROUND UTILITIES SHOWN HEREON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION AND ELEVATION OF ALL UTILITIES BEFORE COMMENCING WORK AND FOR ANY DAMAGES WHICH OCCUR BY HIS FAILURE TO LOCATE OR PRESERVE THESE UNDERGROUND UTILITIES. IF DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS, HE SHALL IMMEDIATELY NOTIFY STAFFORD COUNTY AND TAKE NECESSARY AND PROPER STEPS TO PROTECT THE FACILITY AND ASSURE CONTINUANCE OF SERVICE. TEST PITS REQUIRED AS NECESSARY.
6. CONTRACTOR IS RESPONSIBLE TO MAINTAIN ACCESS AT ENTRANCES / DRIVEWAYS AND ROADWAYS. THE CONTRACTOR SHALL NOTIFY OWNERS AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK IN THOSE AREAS.
7. MINIMUM E&S REQUIREMENTS ARE SHOWN ON THIS PLAN. ALL DISTURBED AREAS TO BE STABILIZED AT THE END OF EACH WORK DAY. IF RAIN IS FORECAST, E&S CONTROLS TO BE INSPECTED AND REPAIRED IMMEDIATELY. ALL CONTROL STRUCTURES ARE TEMPORARY IN NATURE AND SHALL BE COMPLETELY REMOVED ONCE THE DISTURBED AREA IS STABILIZED.
8. CONTRACTOR SHALL PROVIDE NECESSARY MEASURES TO DIVERT AND MAINTAIN ADEQUATE STORM DRAINAGE DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, EQUIPMENT / TOOLS, APPURTENANCES, AND INCIDENTALS REQUIRED TO COMPLETE THE PROJECT.
10. UNLESS OTHERWISE NOTED THE CONTRACTOR SHALL REGRADE AND RESTORE ALL SURFACES TO MATCH THE EXISTING CONDITIONS.
11. THE CONTRACTOR SHALL CONFINE CLEARING AND GRUBBING TO THE LIMITS OF THE EXISTING / PROPOSED EASEMENTS OR RIGHT OF WAY OR TO THE LIMITS SHOWN ON THE PLAN.
12. THE APPROVAL OF THESE PLANS SHALL IN NO WAY RELIEVE THE DEVELOPER, THE CONTRACTOR, OR THEIR AGENTS OF ANY LEGAL RESPONSIBILITY WHICH MAY BE REQUIRED BY THE CODE OF VIRGINIA OR ANY OTHER ORDINANCE ENACTED BY STAFFORD COUNTY.
13. THE ENGINEER SHALL NOT HAVE CONTROL OVER OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK SHOWN ON THESE PLANS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S SCHEDULES OR FAILURE TO CARRY OUT THE WORK. THE ENGINEER IS NOT RESPONSIBLE FOR ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR THEIR AGENTS OR EMPLOYEES, OR OF ANY OTHER PERSONS PERFORMING PORTIONS OF THE WORK.
14. THE PROJECT LIMITS HEREON IS LOCATED IN THE F.I.R.M. 100-YEAR SPECIAL FLOOD AREA ZONE "AE", AS INDICATED ON MAP #510154-0212-E DATED FEBRUARY 4, 2005.
15. THERE ARE NO KNOWN PLACES OF BURIAL WITHIN THE PROJECT LIMITS NOR THE IMMEDIATE VICINITY.
16. THERE ARE NO KNOWN HISTORIC BUILDINGS OR FEATURES WITHIN THE PROJECT LIMITS NOR THE IMMEDIATE VICINITY.
17. THERE IS NO SITE LIGHTING PROPOSED WITHIN THE SCOPE OF THIS PLAN.
18. THERE ARE WETLANDS WITHIN THE PROJECT LIMITS; PERMITS ARE REQUIRED. WETLAND DELINEATION PERFORMED BY NPS, ON OCT. 16, 2012.
19. THERE IS NO RESOURCE PROTECTION AREA LOCATED WITHIN THE PROJECT LIMITS.





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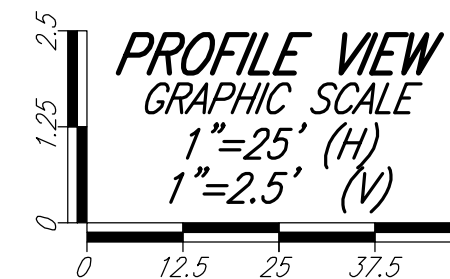
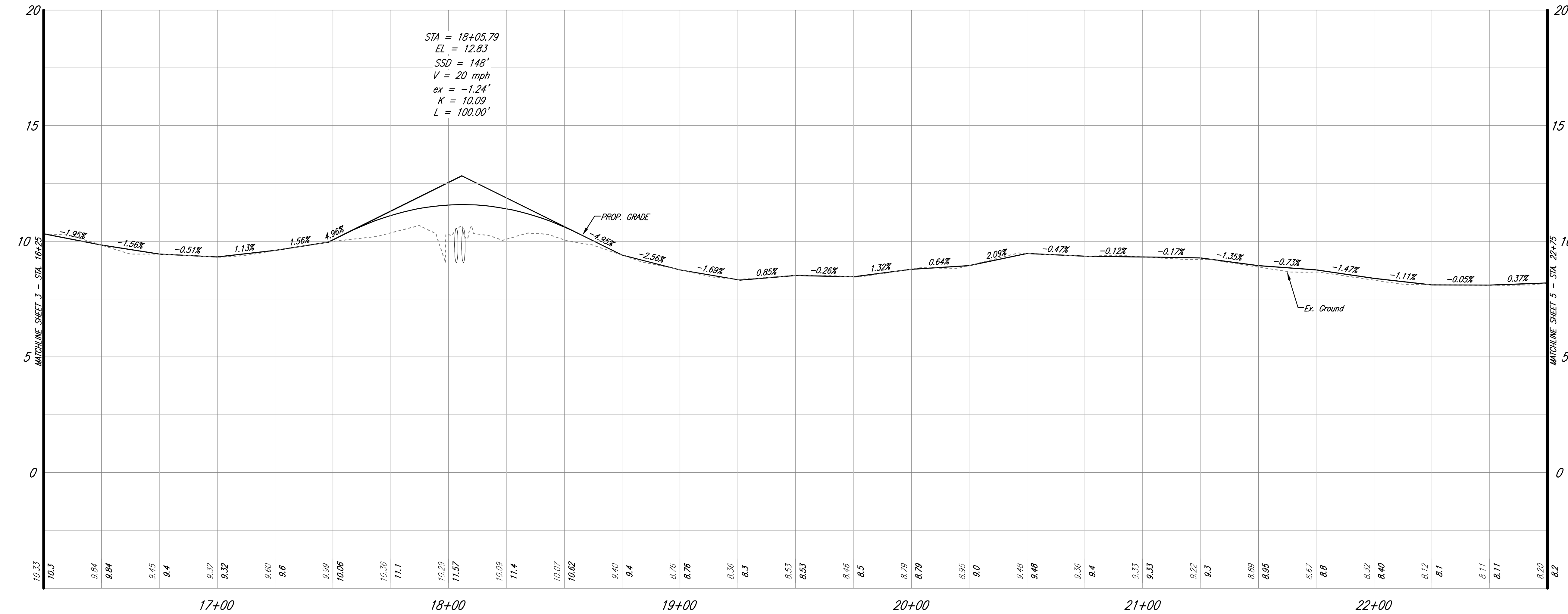
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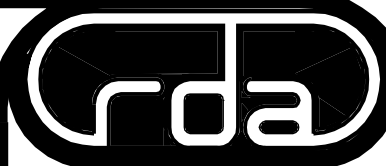
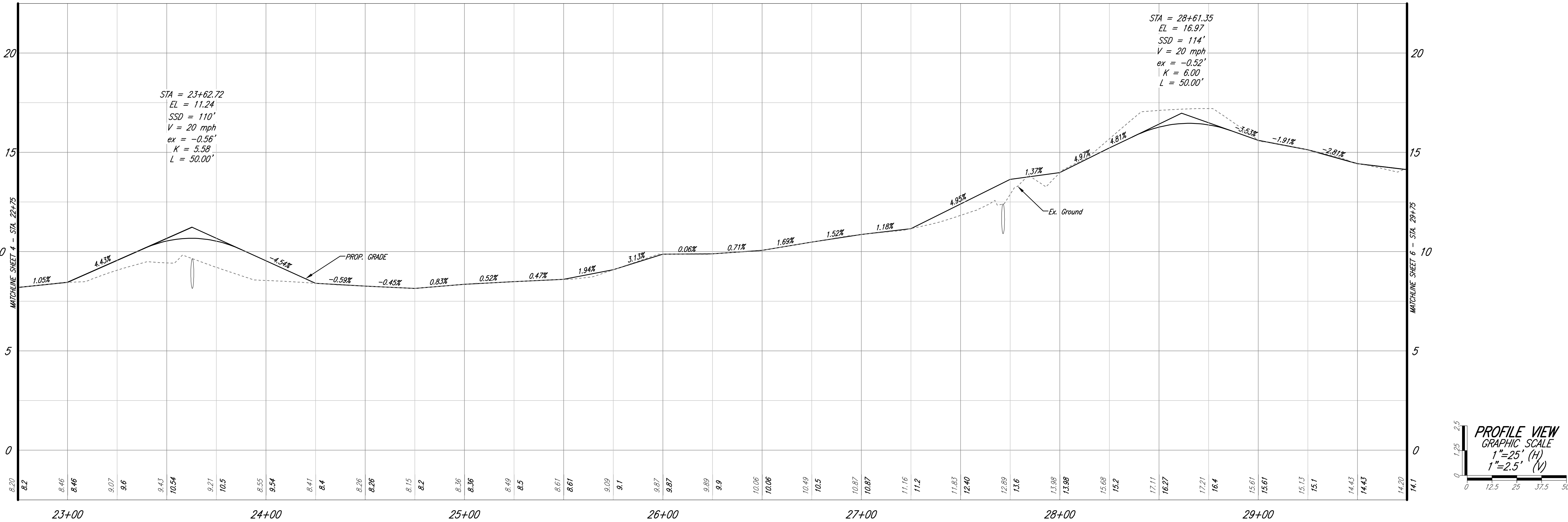
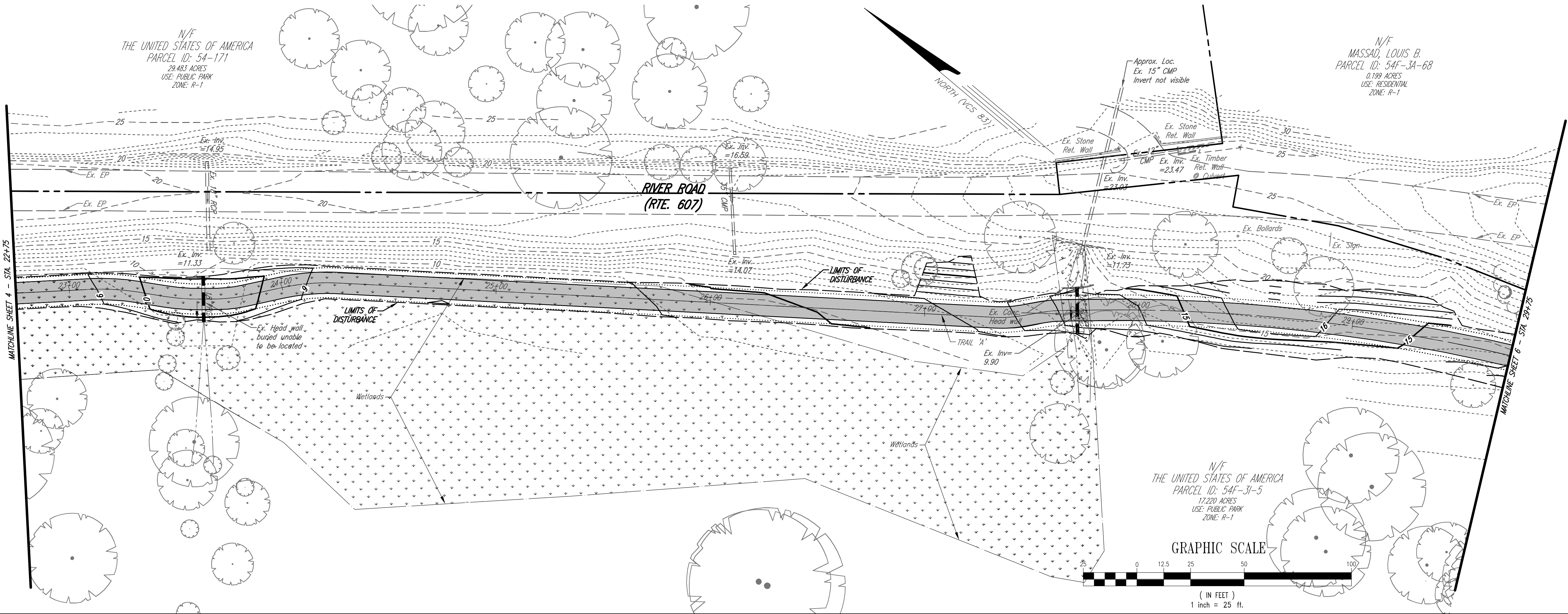
TRAIL PLAN & PROFILE
STA. 10+00 TO STA. 16+25
**BELMONT-FERRY FARM
TRAIL - PHASE 4**
FALMOUTH MAGISTERIAL DISTRICT
STAFFORD COUNTY, VIRGINIA

REVISIONS:

NO.	DESCRIPTION	DATE

DATE: AUGUST 2013
SCALE: H:1"=25'
V:1"=2.5'
DESIGN: BPK
DRAFT: RDA
CHECKED BY: BPK
ARCH: N/A
JOB NUMBER: 13028-001
SHEET: 3

[illegible]



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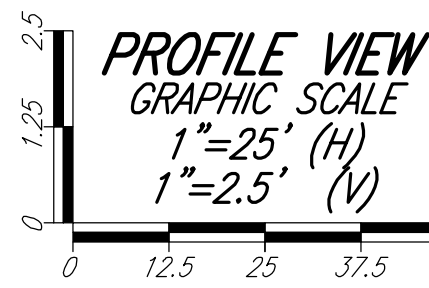
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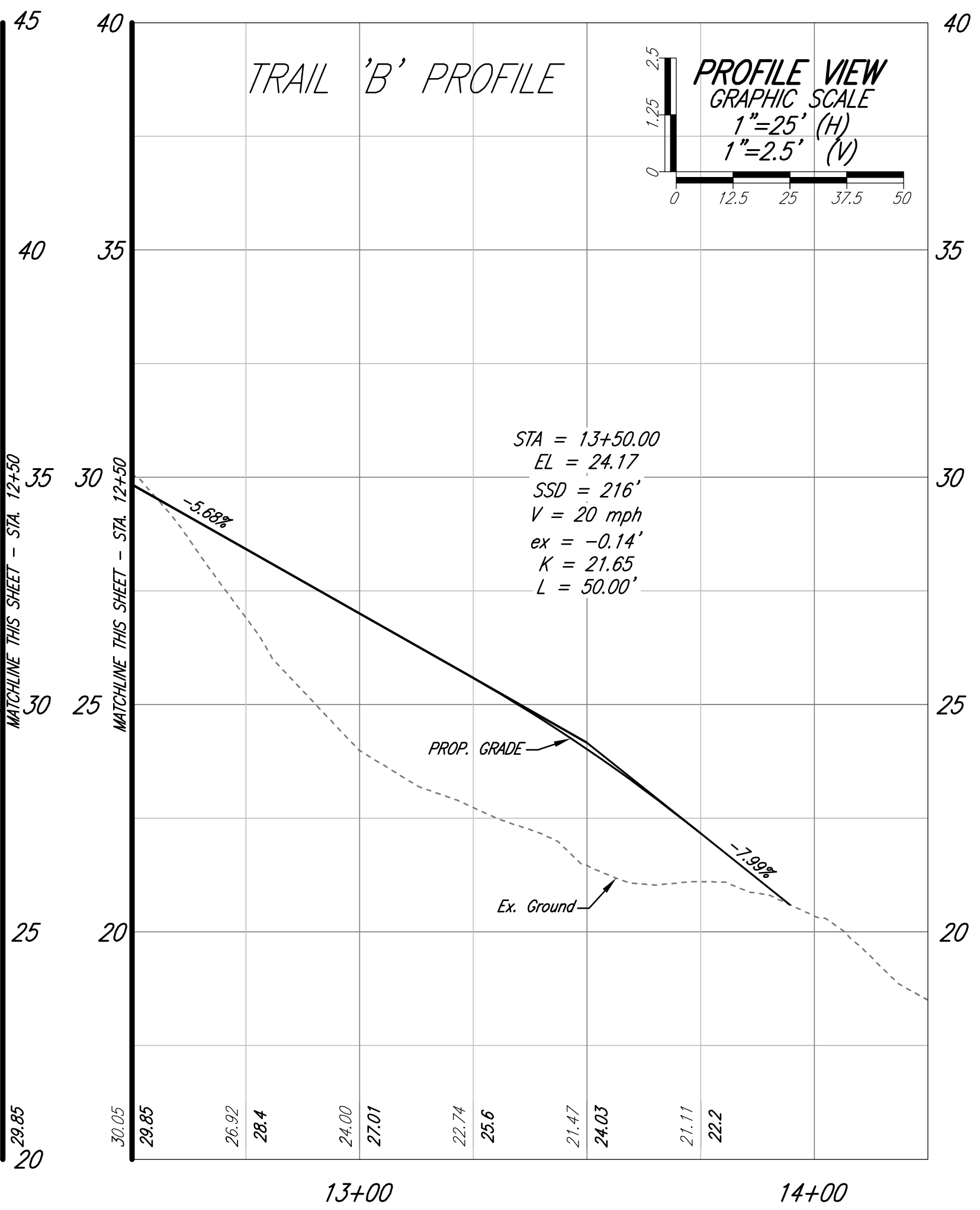
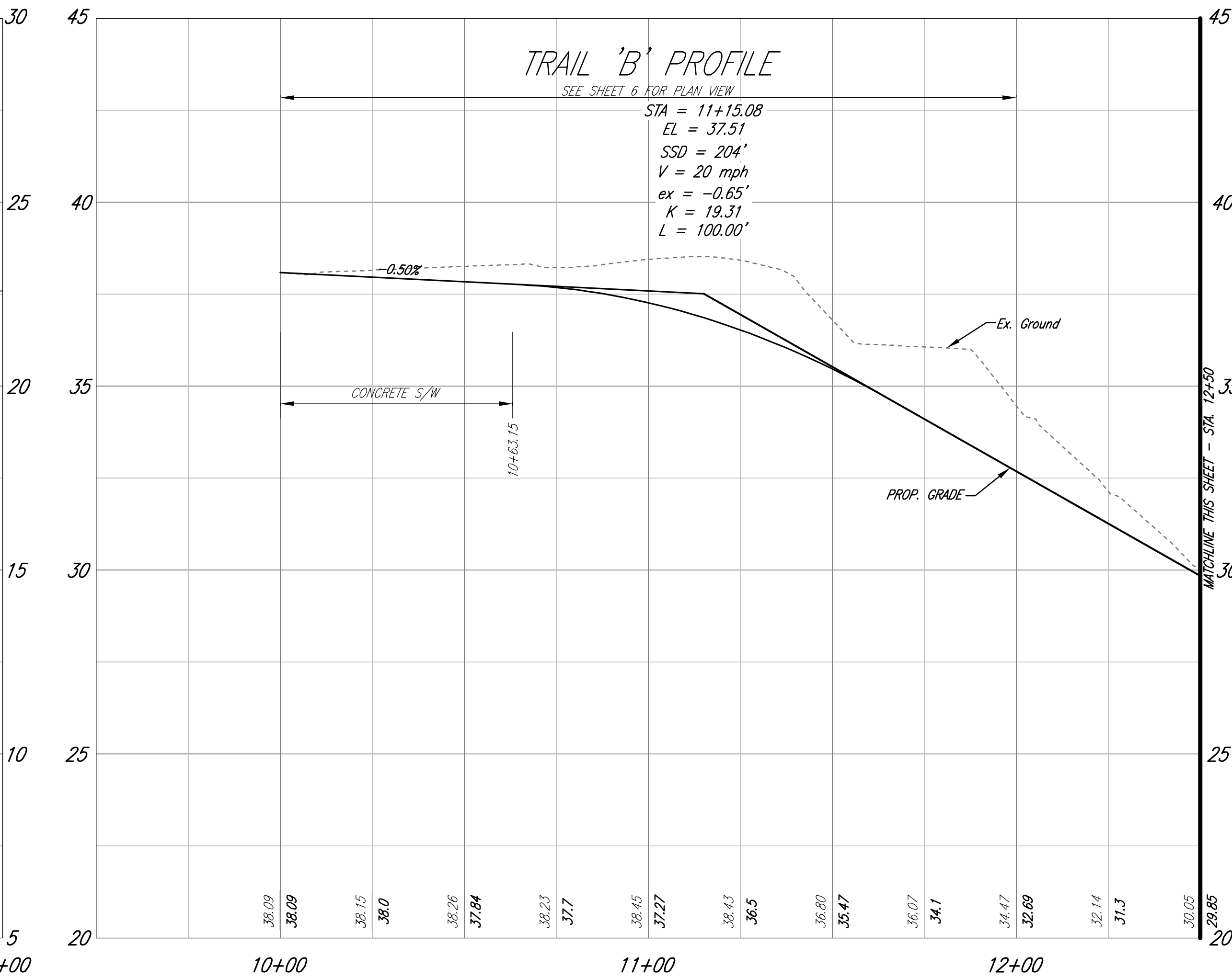
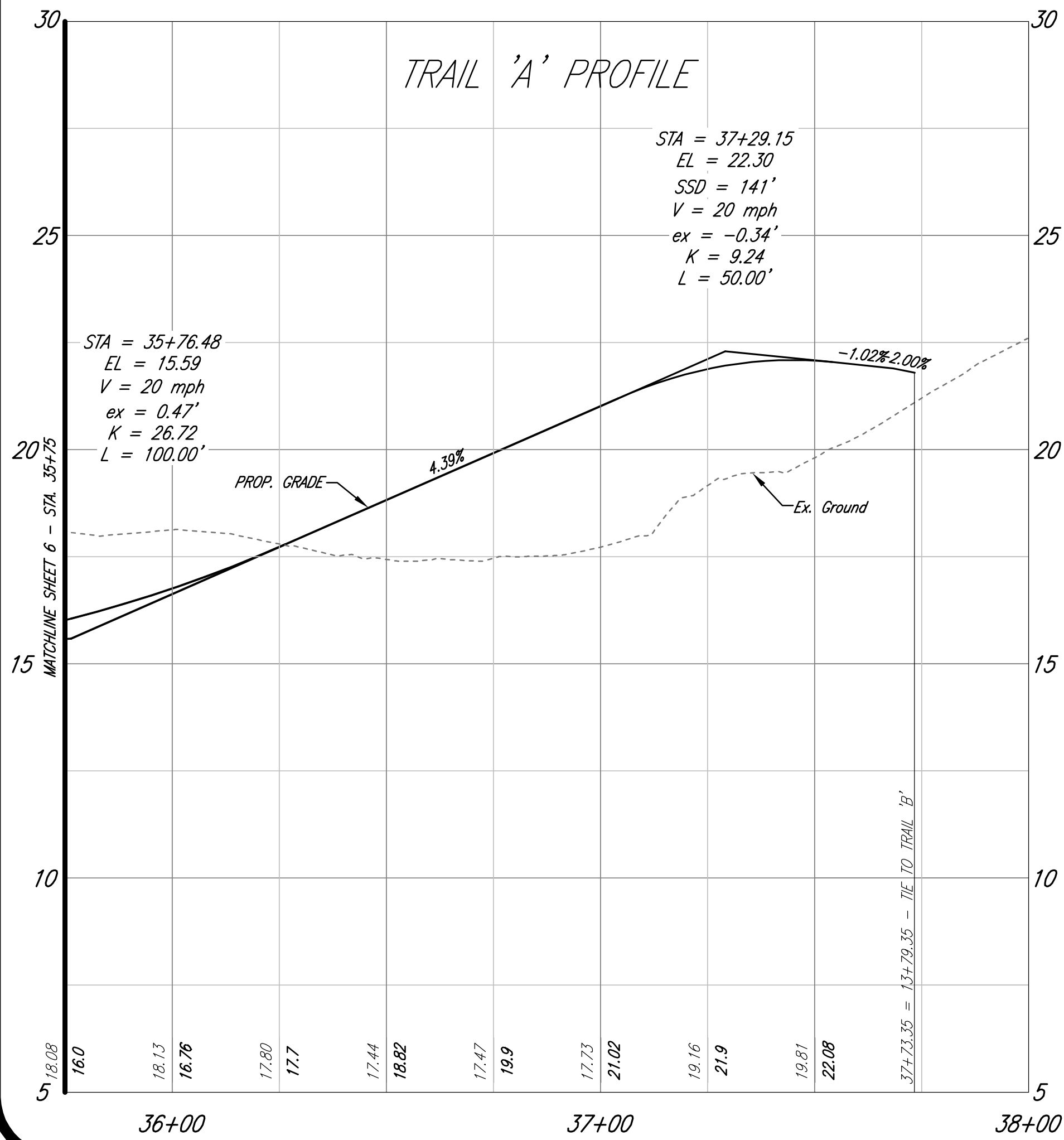
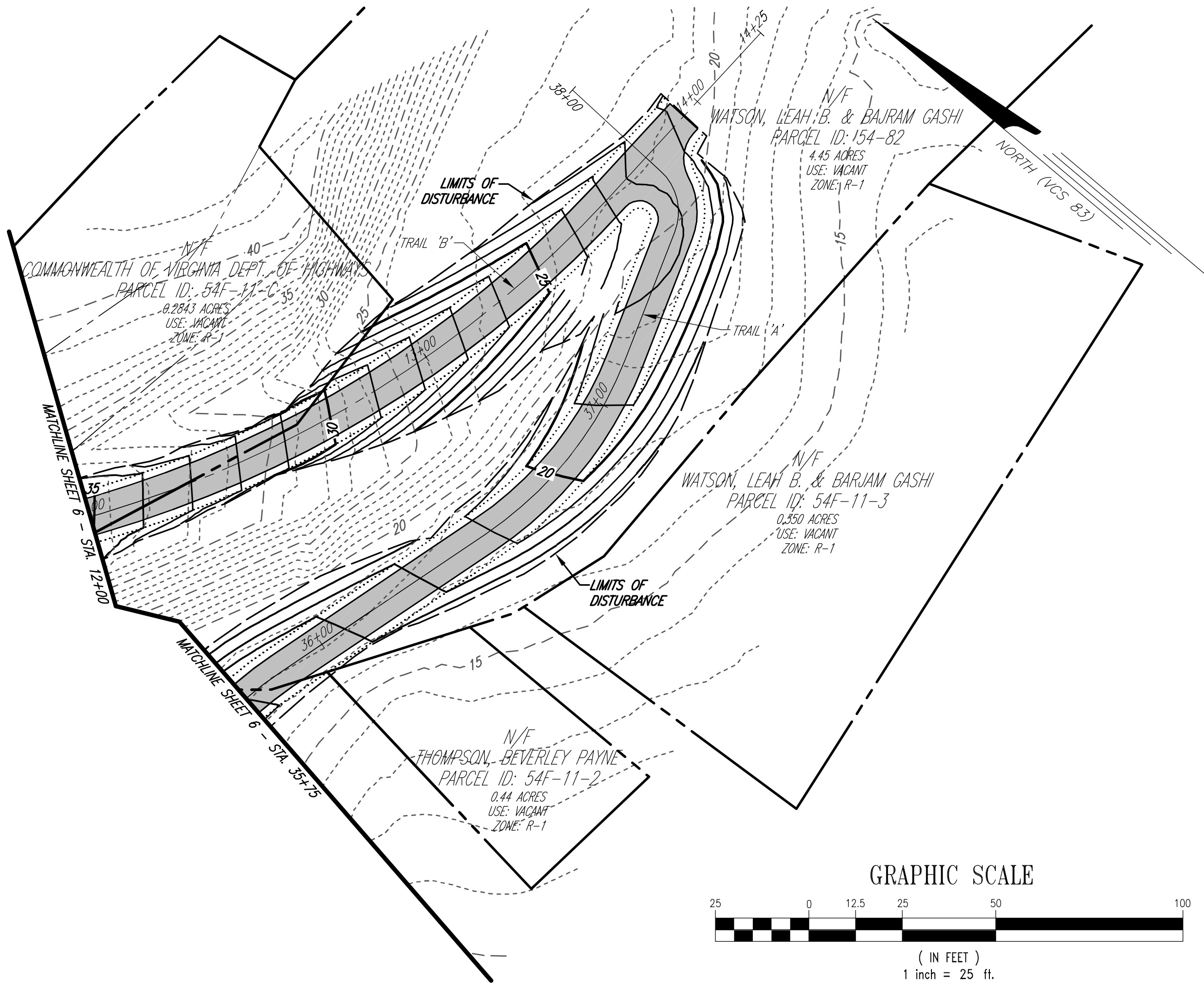
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TRAIL PLAN & PROFILE
STA. 22+75 TO STA. 29+75
**BELMONT-FERRY FARM
TRAIL - PHASE 4**
FALMOUTH MAGISTERIAL DISTRICT
STAFFORD COUNTY, VIRGINIA

REVISIONS:

DATE: AUGUST 2013
SCALE: H:1"=25'
V:1"=2.5'
DESIGN: BPK
DRAFT: RDA
CHECKED BY: BPK
ARCH: N/A
JOB NUMBER: 13028-001
SHEET: 5

[illegible]



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TRAIL PLAN & PROFILE
STA. 29+75 TO STA. 36+75
BELMONT-FERRY FARM
TRAIL - PHASE 4
FALMOUTH MAGISTERIAL DISTRICT
STAFFORD COUNTY, VIRGINIA

REVISIONS:

DATE: AUGUST 2013
SCALE: H:1"=25'
V:1"=2.5'
DESIGN: BPK
DRAFT: RDA
CHECKED BY: BPK
ARCH: N/A
JOB NUMBER: 13028-001
SHEET: 7