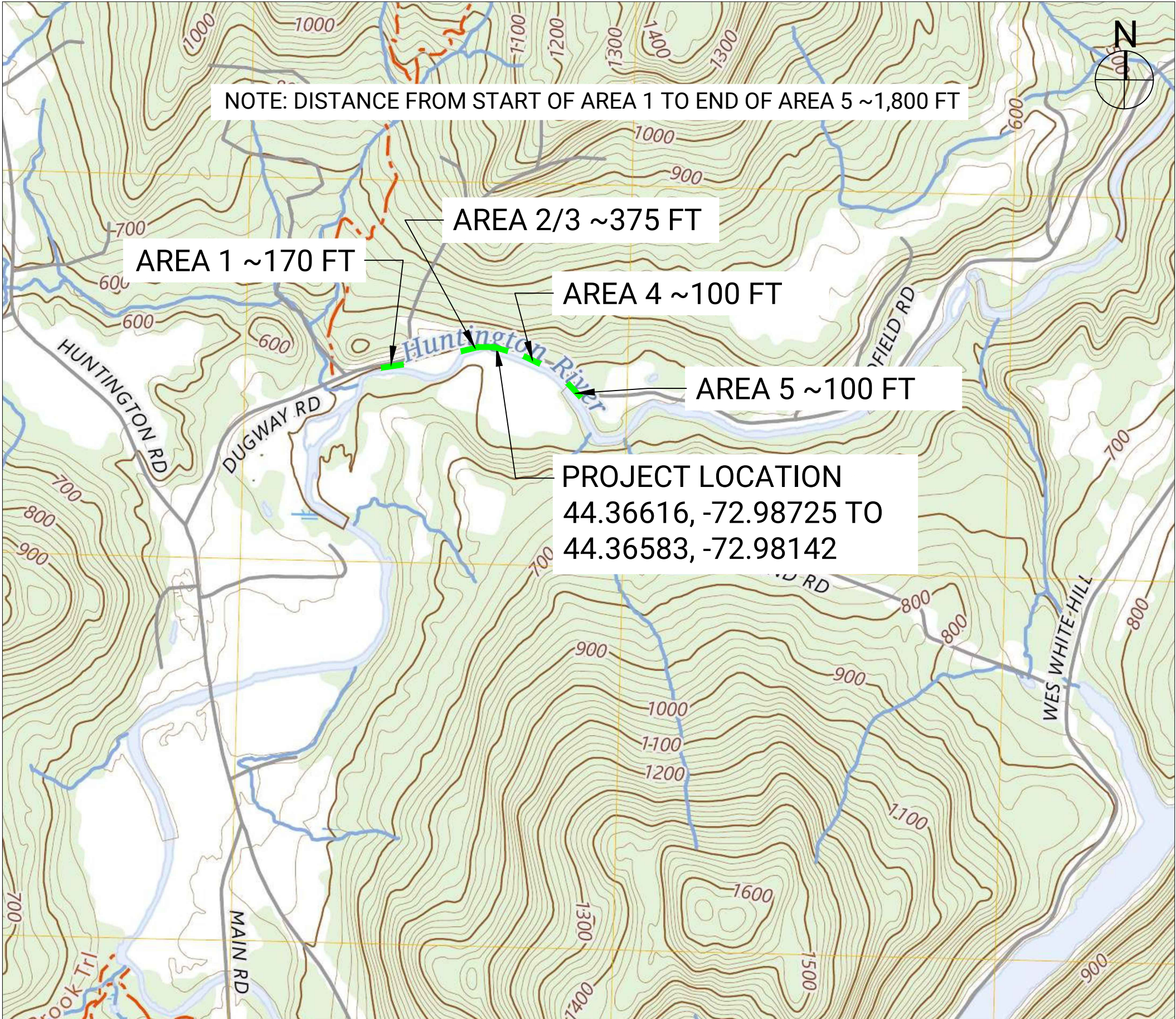


DUGWAY ROAD IMPROVEMENTS 2023 & 2024 FLOOD REPAIRS

TOWN MANAGMENT
JOSH ARNESON, MANAGER
DUNCAN WARDWELL, DEPUTY MANAGER

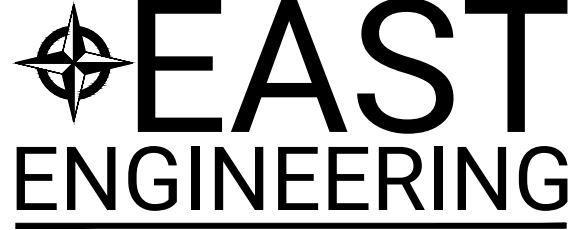
SELECTBOARD
ADAM WOOD, CHAIR
CAITLIN FILKINS, VICE-CHAIR
GREG RABIDEAU
BARD HILL
DAVID SANDER

TOWN HIGHWAY
PETE GOSSELIN



Sheet List Table	
Sheet	Sheet Title
G-1.0	TITLE PAGE
C-1.0	SITE PLAN - DUGWAY ROAD
C-2.0	SITE PLAN - DUGWAY ROAD
C-3.0	DUGWAY ROAD SECTIONS
C-4.0	DUGWAY ROAD SECTIONS AND DETAILS

TOWN OF RICHMOND, VERMONT
OCTOBER 2025



(802) 989-6686

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OWNER:

TOWN OF
RICHMOND

203 BRIDGE STREET
RICHMOND, VT 05477
(802) 434-5170

PROJECT:

DUGWAY ROAD FLOOD
REPAIRS 2023-2024

ISSUED FOR:

BID & CONSTRUCTION

ISSUED DATE:

2025-10-08

PROJ. #:

006-30

REVISIONS

#	BY:	DATE:
1	TB	2026-01-12
2	TB	2026-06-02

TITLE SHEET

DRAWING NO:

G-1.0

GENERAL/CONSTRUCTION NOTES

1. TO CLARIFY THE PLANS, ALL EXISTING SITE FEATURES ARE SHOWN IN lowercase LETTERS AND ALL PROPOSED IMPROVEMENTS ARE SHOWN IN CAPITAL LETTERS.
2. THIS PLAN SHOWS APPROXIMATE SITE FEATURES, UTILITIES, TAX MAP BOUNDARY LINES, WALLS, CULVERTS, AND OTHER SITE FEATURES BASED ON A SURVEY COMPLETED BY EAST ENGINEERING IN FALL OF 2024. ADDITIONAL DEPICTIONS ARE BASED ON INFORMATION FROM THE VERMONT GEODATA PORTAL, OWNER, AND UTILITY COMPANIES. THIS IS NOT A BOUNDARY SURVEY.
3. TECHNICAL SPECIFICATIONS ACCOMPANY THE PLANS AND ARE ESSENTIAL FOR CONSTRUCTION. UNLESS OTHERWISE NOTED, THE "PUBLIC IMPROVEMENT STANDARDS AND SPECIFICATIONS" ADOPTED BY THE TOWN OF RICHMOND SHALL BE FOLLOWED. CONTRACTOR FIELD PERSONNEL SHALL HAVE THE PLANS, SPECIFICATIONS, AND BID DOCUMENTS IN THE FIELD DURING CONSTRUCTION.
4. ALL SITE SAFETY, SECURITY, MEANS AND METHODS ARE THE RESPONSIBILITY OF THE CONTRACTOR. ALL OSHA/VOSHA RULES AND REGULATIONS SHALL BE ADHERED TO AT ALL TIMES. AT THE END OF EACH WORKING DAY, CONTRACTOR SHALL SECURE ALL EQUIPMENT, MATERIALS, AND FACILITIES. ALL OPEN EXCAVATIONS SHALL BE BARRICADED, FENCED, PLATED, COVERED OR TEMPORARILY BACKFILLED.
5. ALL APPLICABLE PERMITTING CONDITIONS AND REGULATIONS SHALL BE MAINTAINED BY THE CONTRACTOR.
6. NO WORK OUTSIDE OF THE TOWN RIGHT-OF-WAY, OR TOWN OBTAINED EASEMENTS, UNLESS WRITTEN PERMISSION FROM BOTH THE LANDOWNER AND ENGINEER ARE OBTAINED.
7. DETOUR ROUTE TO BE COORDINATED WITH TOWN AND ENGINEER. MAXIMUM CLOSURE OF DUGWAY ROAD FOR THE PROPOSED IMPROVEMENTS IS 45 DAYS, ONE LANE (MINIMUM) MUST BE MAINTAINED AFTER THE CLOSURE PERIOD.
8. ALL DISTURBED AREAS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS OR BETTER.
9. IF TURBID WATER IS FOUND TO BE LEAVING THE PROJECT AREA, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL EROSION PREVENTION AND SEDIMENT CONTROL DEVICES TO LIMIT THE DISCHARGE. DISCHARGES SHALL BE REPORTED TO THE ENGINEER WITHIN 24 HOURS.

Roadway Design Information

Town Highway Number: 7
Annual Average Daily Traffic (AADT): Est. <1,500 AADT
Design Forecast (20 Year): Est. <1,500

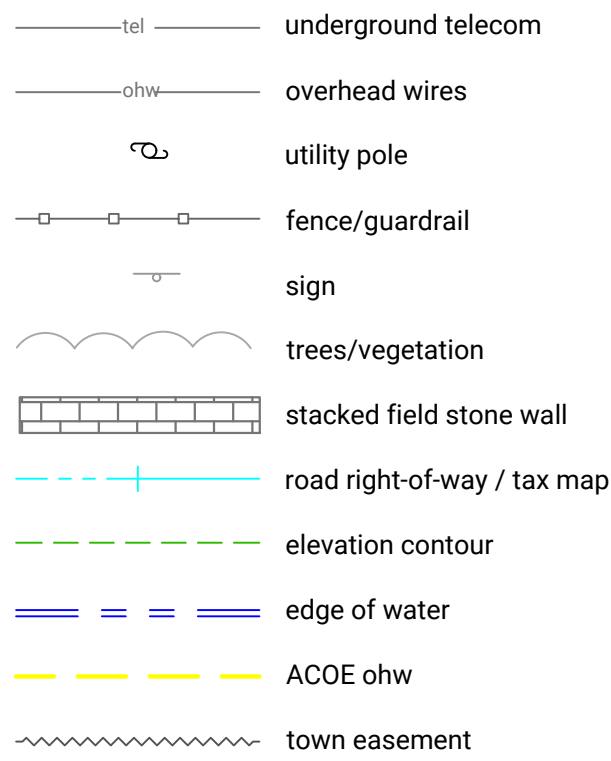
Hydraulic Information

Waterbody: Huntington River
Drainage Area: 60 mi²
Design Flow (Q100): 8,800 CFS
Stone Armor Min. Size: VTrans Spec. E4

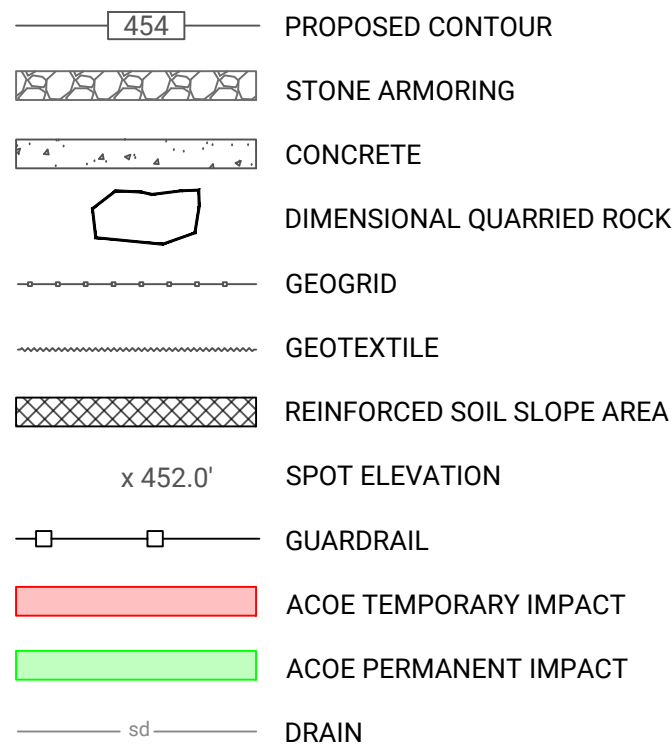
Proposed Design Information

Slope Repair: Rock Wall with Geotextile Reinforced Soil Slope or Rock Armor
Posted Speed Limit: 30 MPH
Roadway Clear Width: 24' (Two Lane)
Guardrail Needed: Yes
Roadway Surface: Gravel

EXISTING LEGEND :

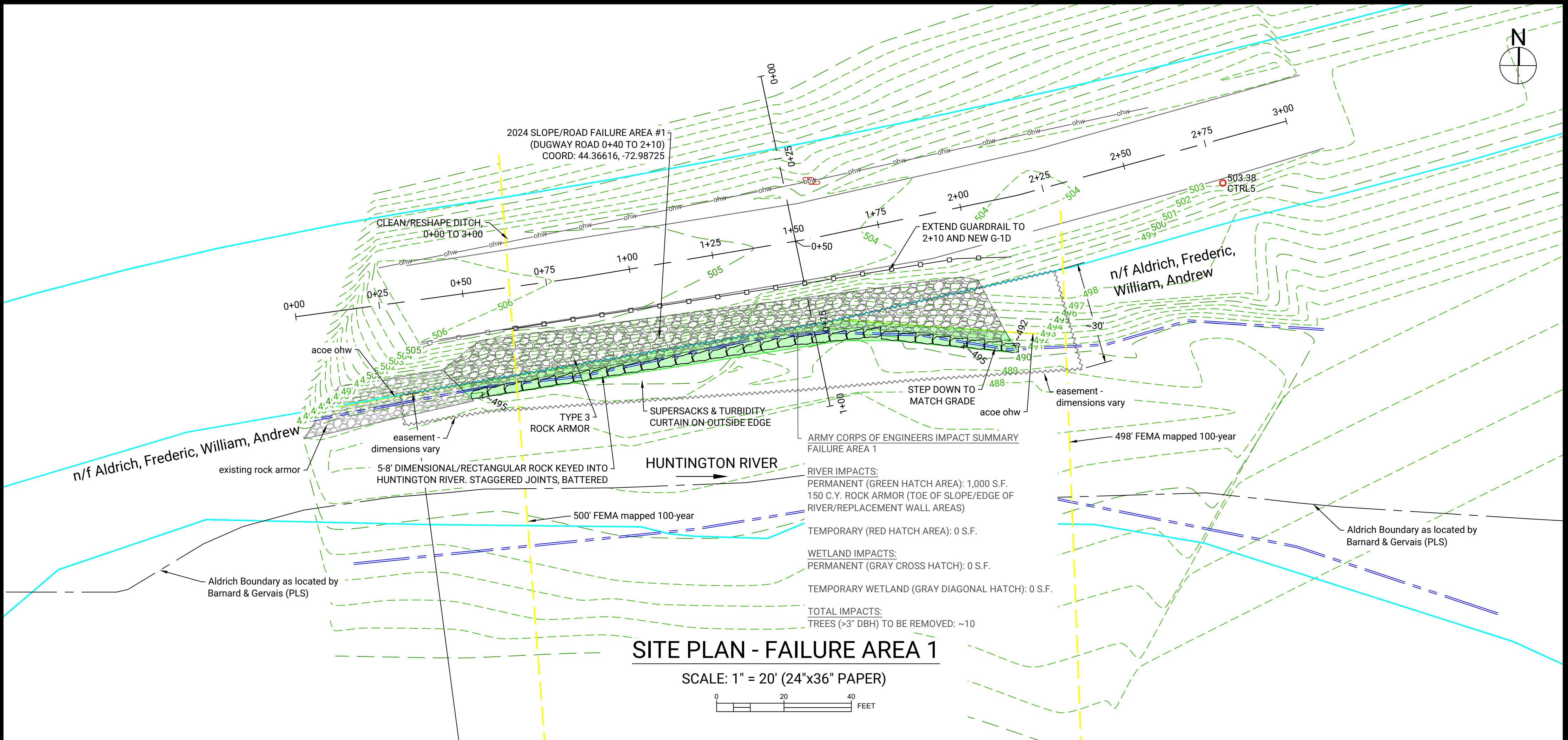


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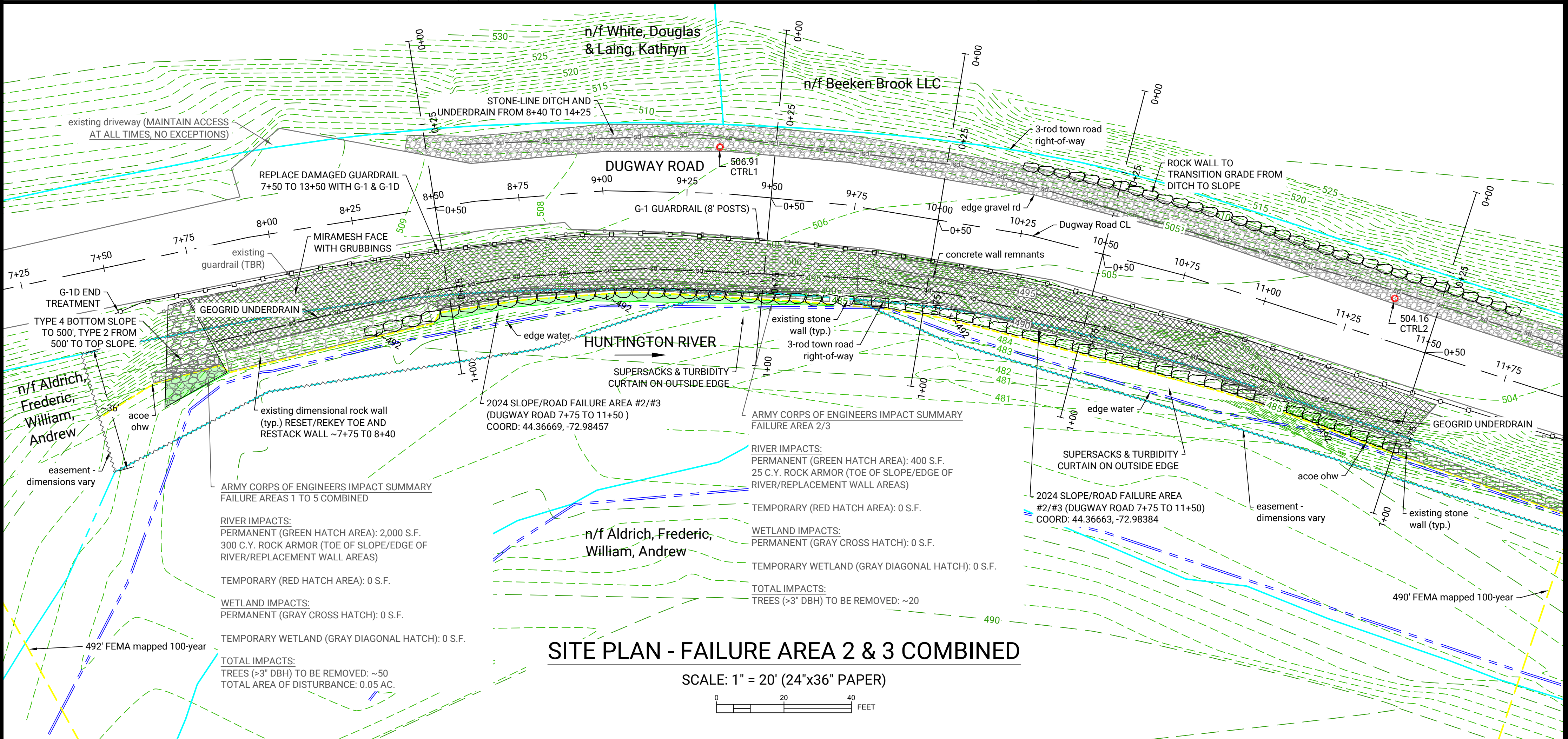
ABBREVIATIONS:

HDPE	HIGH DENSITY POLYETHYLENE
CONC	CONCRETE
DI	DUCTILE IRON
PVC	POLYVINYL CHLORIDE
CMP	CORRUGATED METAL PIPE
VTRANS	VERMONT AGENCY OF
MUTCD	TRANSPORTATION
	MANUAL ON UN. TRAFFIC
	CONTROL DEVICES
TYP	TYPICAL
TEMP	TEMPORARY
MIN	MINIMUM
MAX	MAXIMUM
TBR	TO BE REMOVED
TBA	TO BE ABANDONED
APPROX	APPROXIMATE
EL	ELEVATION
ROW	RIGHT-OF-WAY
CTRL	CONTROL POINT
NTS	NOT TO SCALE
N/F	NOW OR FORMERLY



SITE PLAN - FAILURE AREA 1

SCALE: 1" = 20' (24"x36" PAPER)

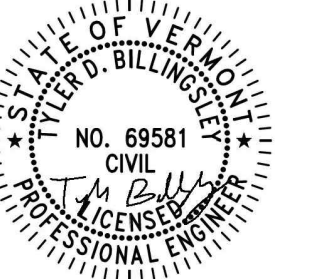


SITE PLAN - FAILURE AREA 2 & 3 COMBINED

SCALE: 1" = 20' (24"x36" PAPER)

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TOWN OF RICHMOND
203 BRIDGE STREET
RICHMOND, VT 05477
(802) 434-5170

PROJECT:
DUGWAY ROAD FLOOD REPAIRS 2023-2024

ISSUED FOR:
BID & CONSTRUCTION

ISSUED DATE:
2025-10-08

PROJ. #: 006-30

REVISIONS		
#	BY:	DATE:
1	TB	2026-01-12
2	TB	2026-06-02

DUGWAY ROAD SLOPE FAILURE SITE PLANS

DRAWING NO:
C-1.0

GENERAL/CONSTRUCTION NOTES

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Roadway Design Information

Town Highway Number: 7
Annual Average Daily Traffic (AADT): Est. <1,500 AADT
Design Forecast (20 Year): Est. <1,500

Hydraulic Information

Waterbody: Huntington River
Drainage Area: 60 mi²
Design Flow (Q100): 8,800 CFS
Stone Armor Min. Size: VTrans Spec. E4

Proposed Design Information

Slope Repair: Rock Wall with Geotextile Reinforced Soil Slope or Rock Armor
Posted Speed Limit: 30 MPH
Roadway Clear Width: 24' (Two Lane)
Guardrail Needed: Yes
Roadway Surface: Gravel

EXISTING LEGEND :

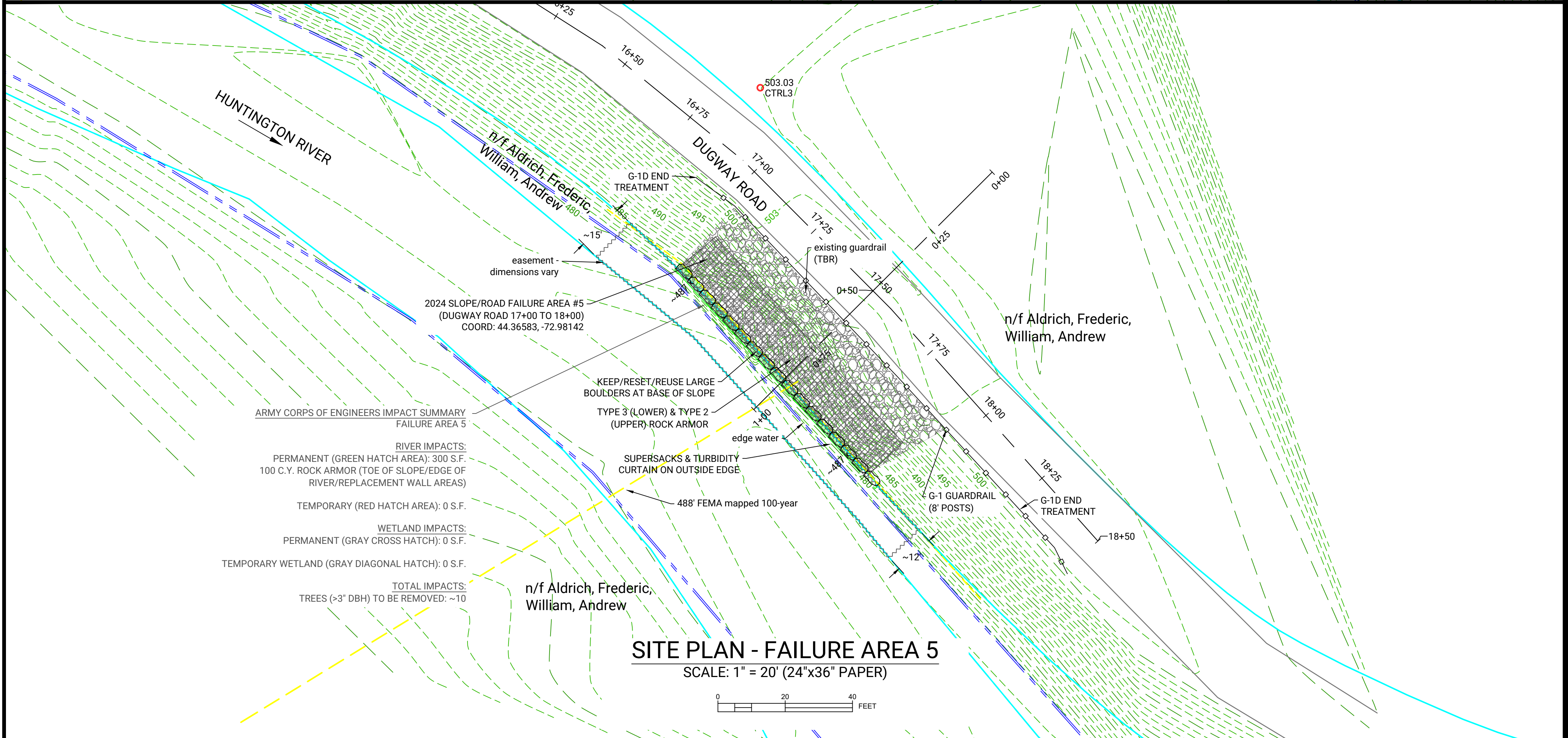
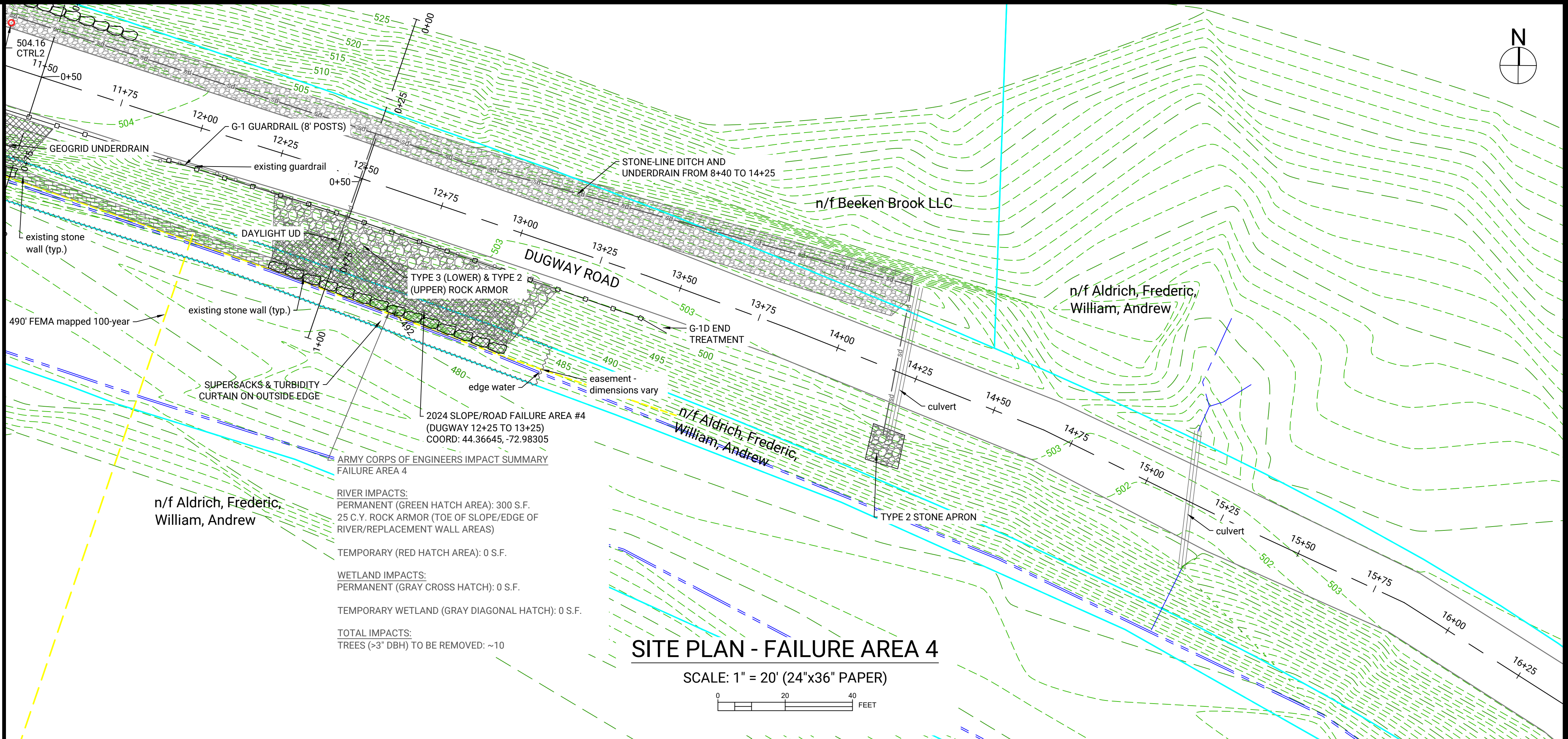
- tel— underground telecom
- ohw— overhead wires
- utility pole— utility pole
- fence/guardrail— fence/guardrail
- sign— sign
- trees/vegetation— trees/vegetation
- stacked field stone wall— stacked field stone wall
- road right-of-way / tax map— road right-of-way / tax map
- elevation contour— elevation contour
- edge of water— edge of water
- ACOE ohw— ACOE ohw
- town easement— town easement

PROPOSED LEGEND :

- 454— PROPOSED CONTOUR
- STONE ARMORING— STONE ARMORING
- CONCRETE— CONCRETE
- DIMENSIONAL QUARRIED ROCK— DIMENSIONAL QUARRIED ROCK
- GEOGRID— GEOGRID
- GEOTEXTILE— GEOTEXTILE
- REINFORCED SOIL SLOPE AREA— REINFORCED SOIL SLOPE AREA
- x 452.0'— SPOT ELEVATION
- GUARDRAIL— GUARDRAIL
- ACOE TEMPORARY IMPACT— ACOE TEMPORARY IMPACT
- ACOE PERMANENT IMPACT— ACOE PERMANENT IMPACT
- sd— DRAIN

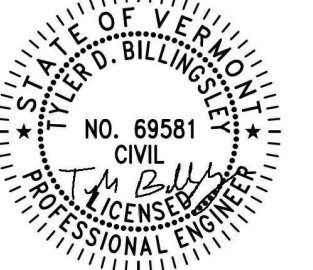
ABBREVIATIONS:

- | | |
|--------|---------------------------|
| HDPE | HIGH DENSITY POLYETHYLENE |
| CONC | CONCRETE |
| DI | DUCTILE IRON |
| PVC | POLYVINYL CHLORIDE |
| CMP | CORRUGATED METAL PIPE |
| VTRANS | VERMONT AGENCY OF |
| MUTCD | TRANSPORTATION |
| | MANUAL ON UN. TRAFFIC |
| | CONTROL DEVICES |
| TYP | TYPICAL |
| TEMP | TEMPORARY |
| MIN | MINIMUM |
| MAX | MAXIMUM |
| TBR | TO BE REMOVED |
| TBA | TO BE ABANDONED |
| APPROX | APPROXIMATE |
| EL | ELEVATION |
| ROW | RIGHT-OF-WAY |
| CTRL | CONTROL POINT |
| NTS | NOT TO SCALE |
| N/F | NOW OR FORMERLY |



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RICHMOND, VT 05477
(802) 434-5170

PROJECT:
**DUGWAY ROAD FLOOD
REPAIRS 2023-2024**

ISSUED FOR:
BID & CONSTRUCTION

ISSUED DATE:
2025-10-08

PROJ. #: 006-30

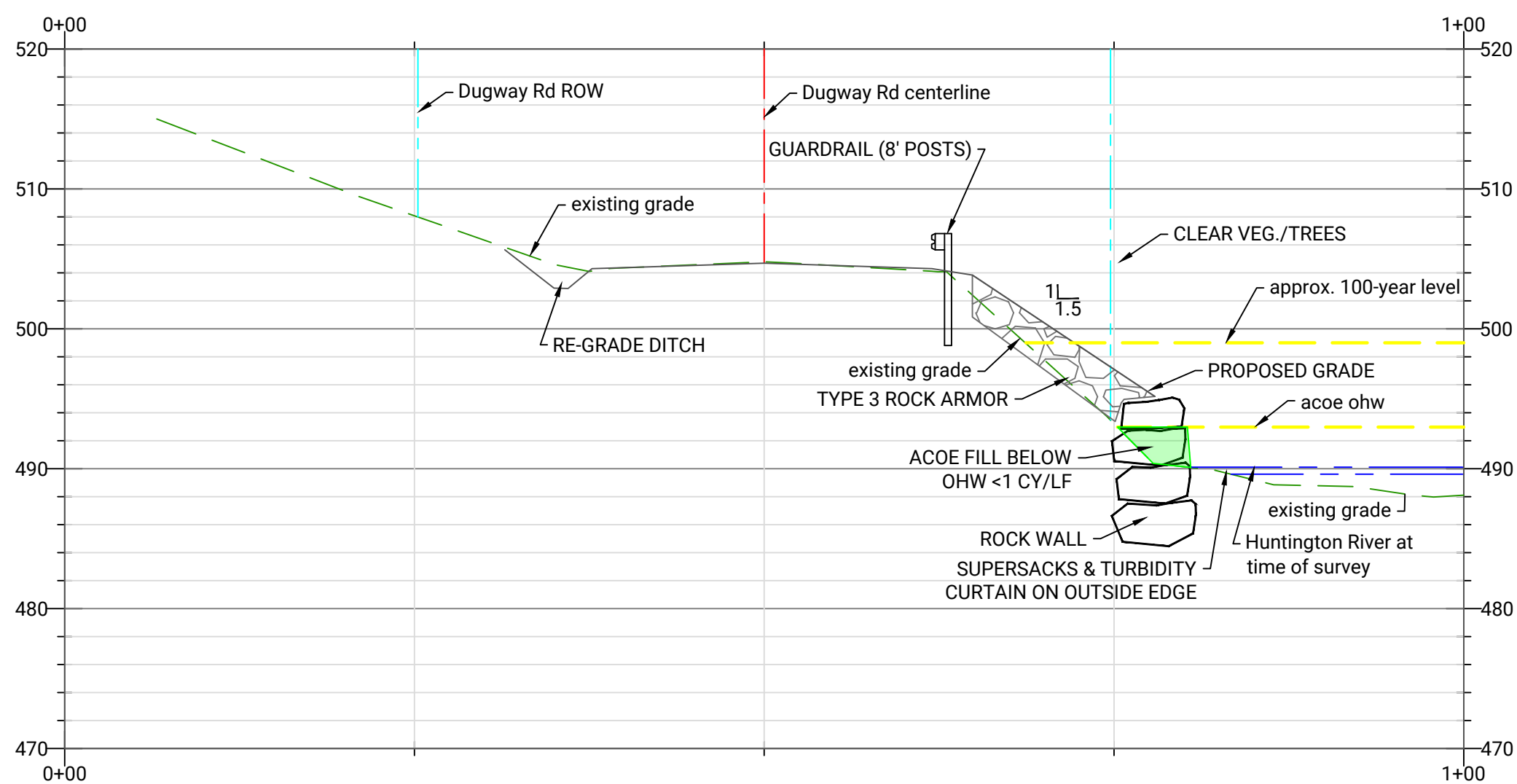
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1	TB	2026-01-12
2	TB	2026-06-02

**DUGWAY ROAD
SLOPE FAILURE SITE
PLANS**

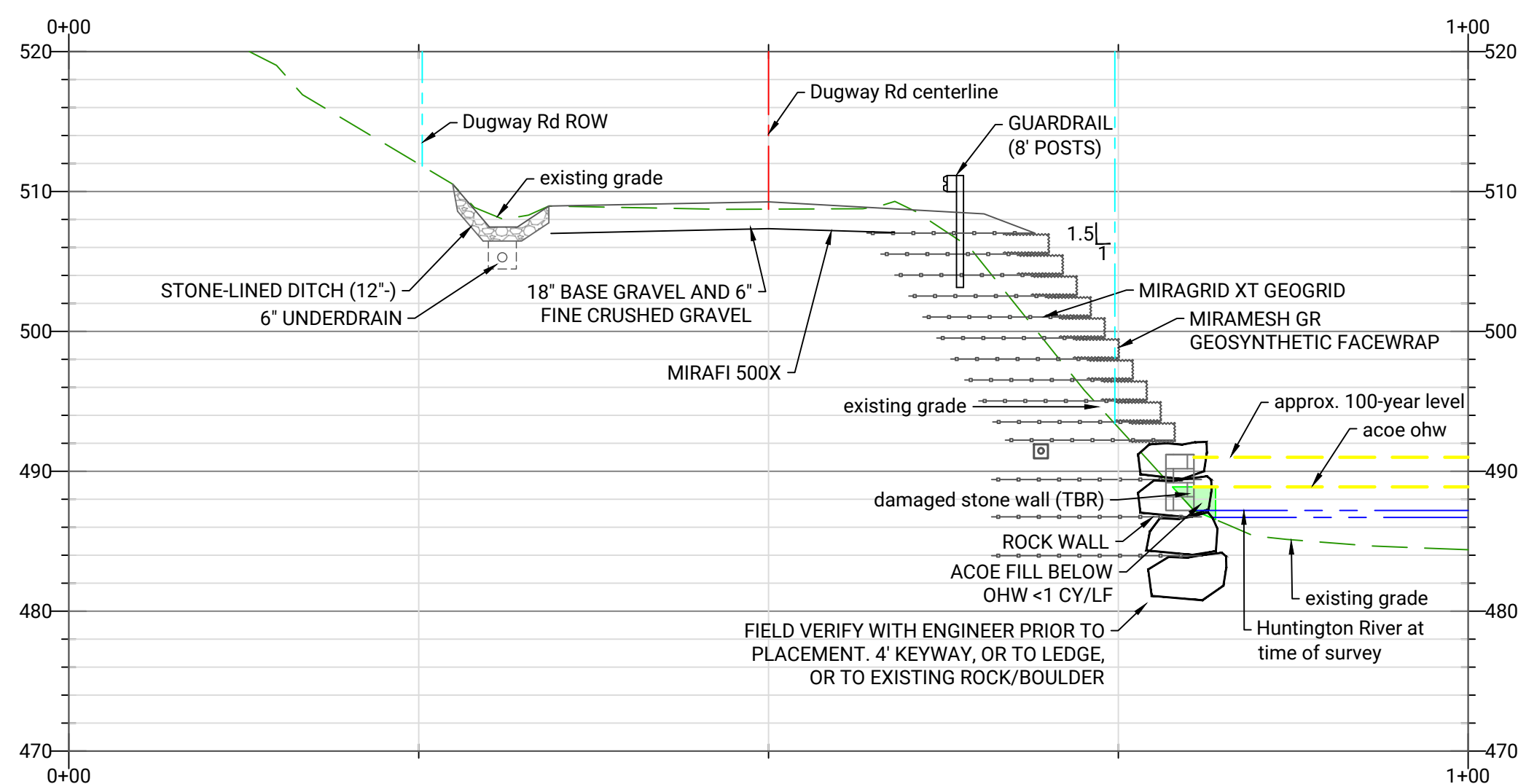
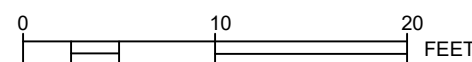
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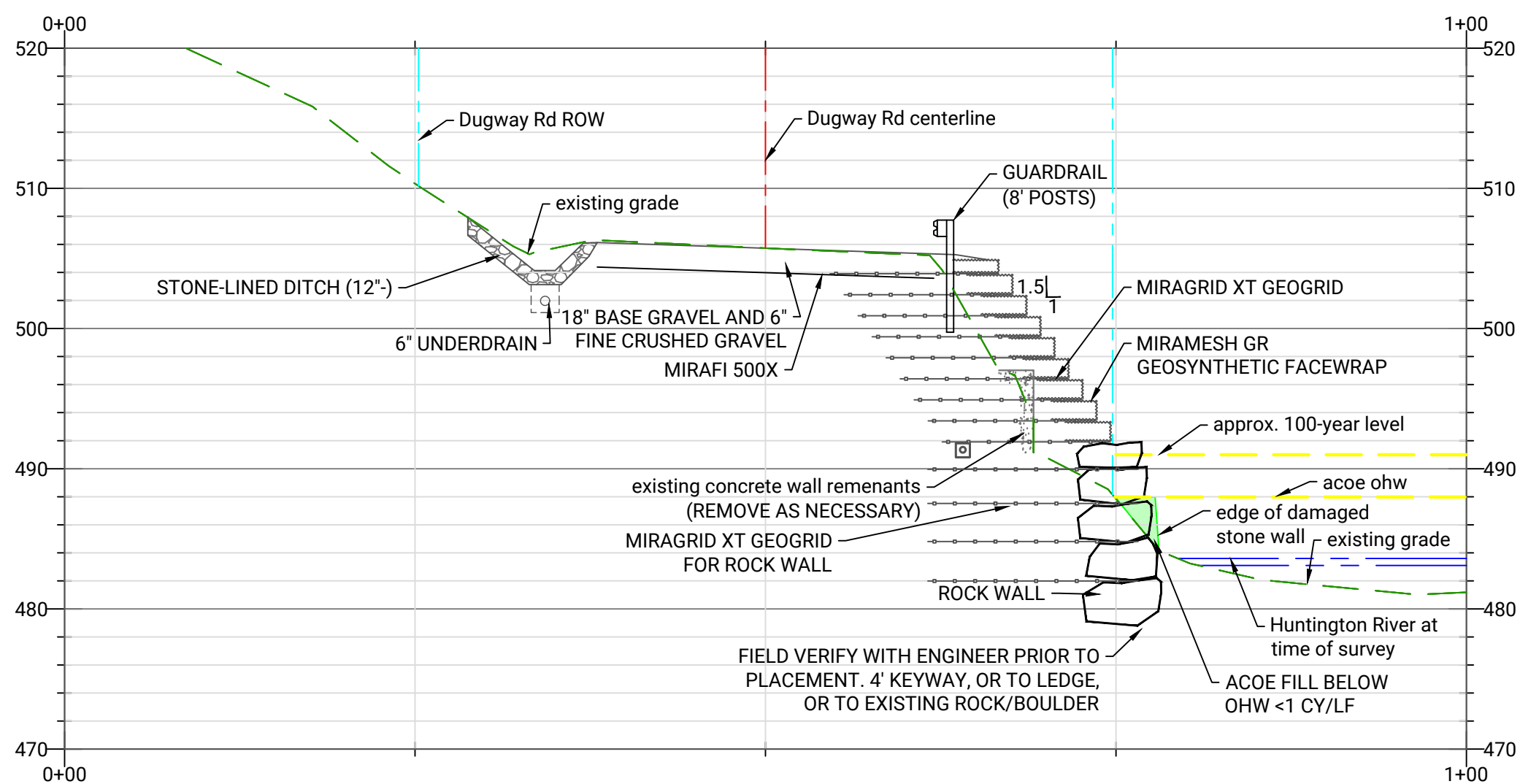
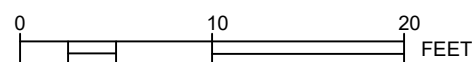
DUGWAY ROAD SECTION 1+50

SCALE: 1" = 10' (24"x36" PAPER)



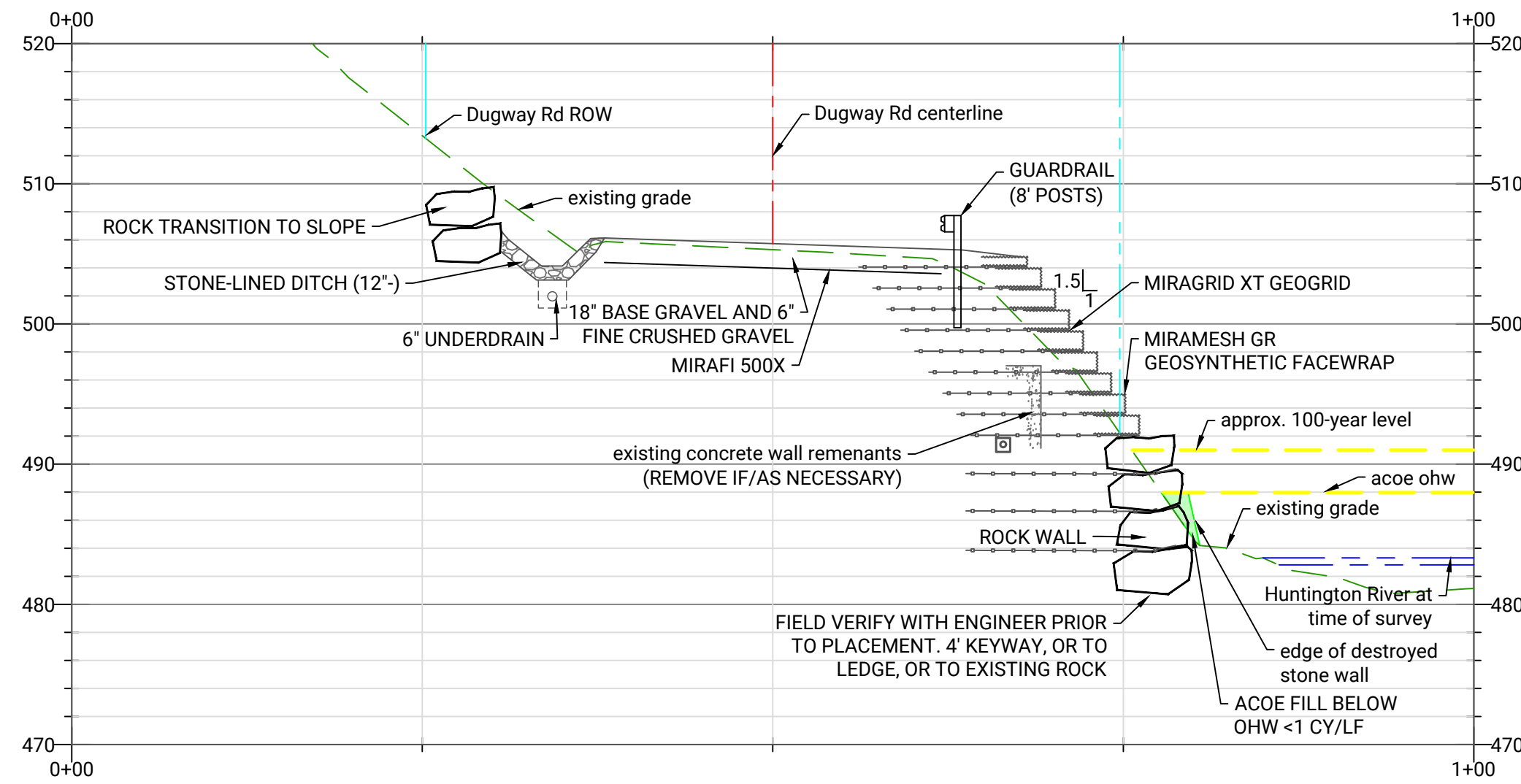
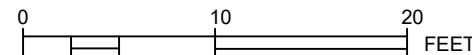
DUGWAY ROAD SECTION 8+50

SCALE: 1" = 10' (24"x36" PAPER)



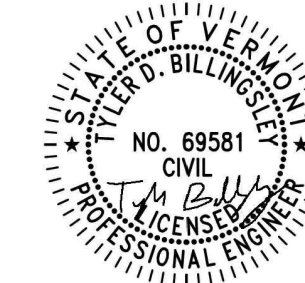
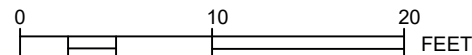
DUGWAY ROAD SECTION 10+00

SCALE: 1" = 10' (24"x36" PAPER)



DUGWAY ROAD SECTION 10+50

SCALE: 1" = 10' (24"x36" PAPER)



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RICHMOND, VT 05477
(802) 434-5170

PROJECT:
**DUGWAY ROAD FLOOD
REPAIRS 2023-2024**

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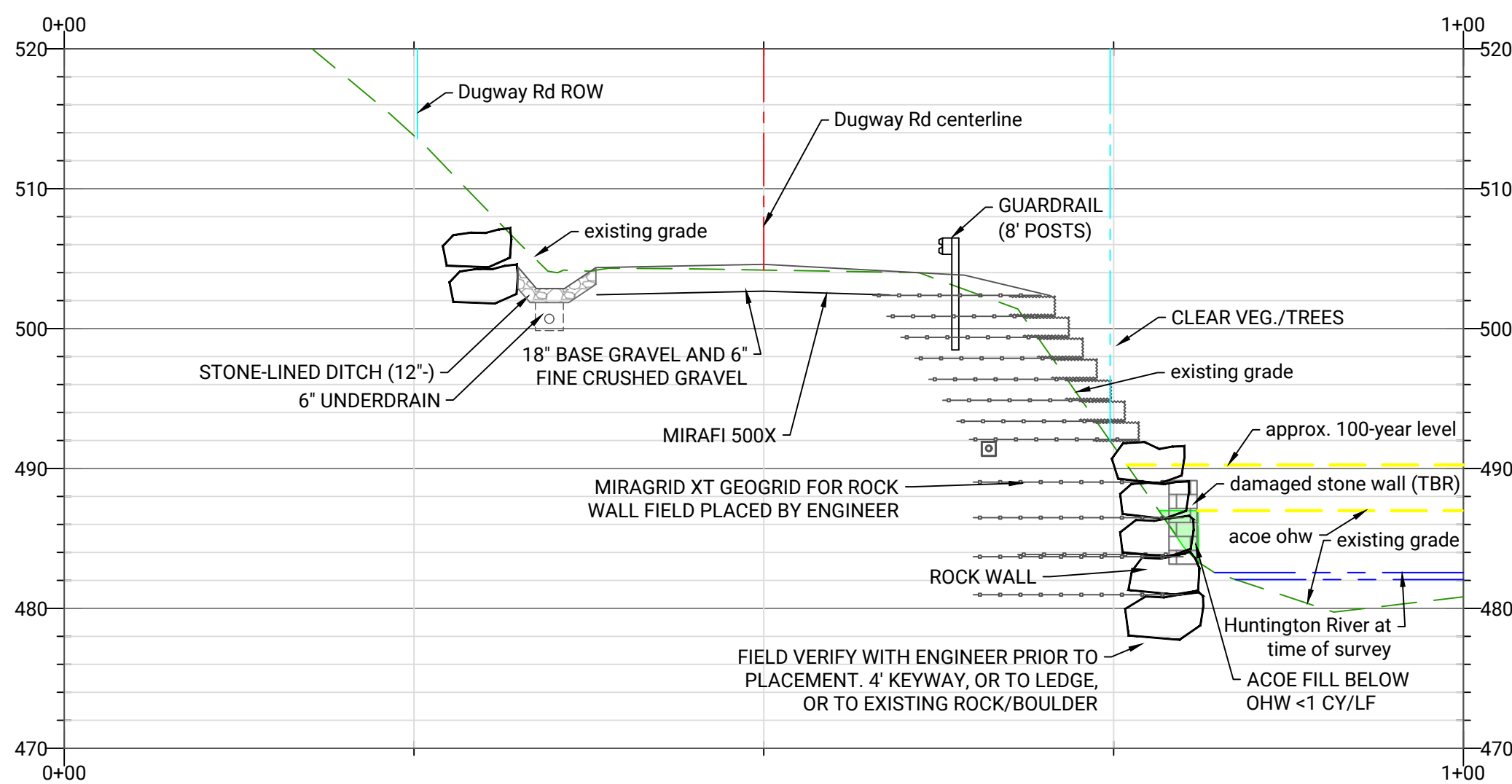
REVISIONS

#	BY:	DATE:
1	TB	2026-01-12
2	TB	2026-06-02

**DUGWAY ROAD
SECTIONS**

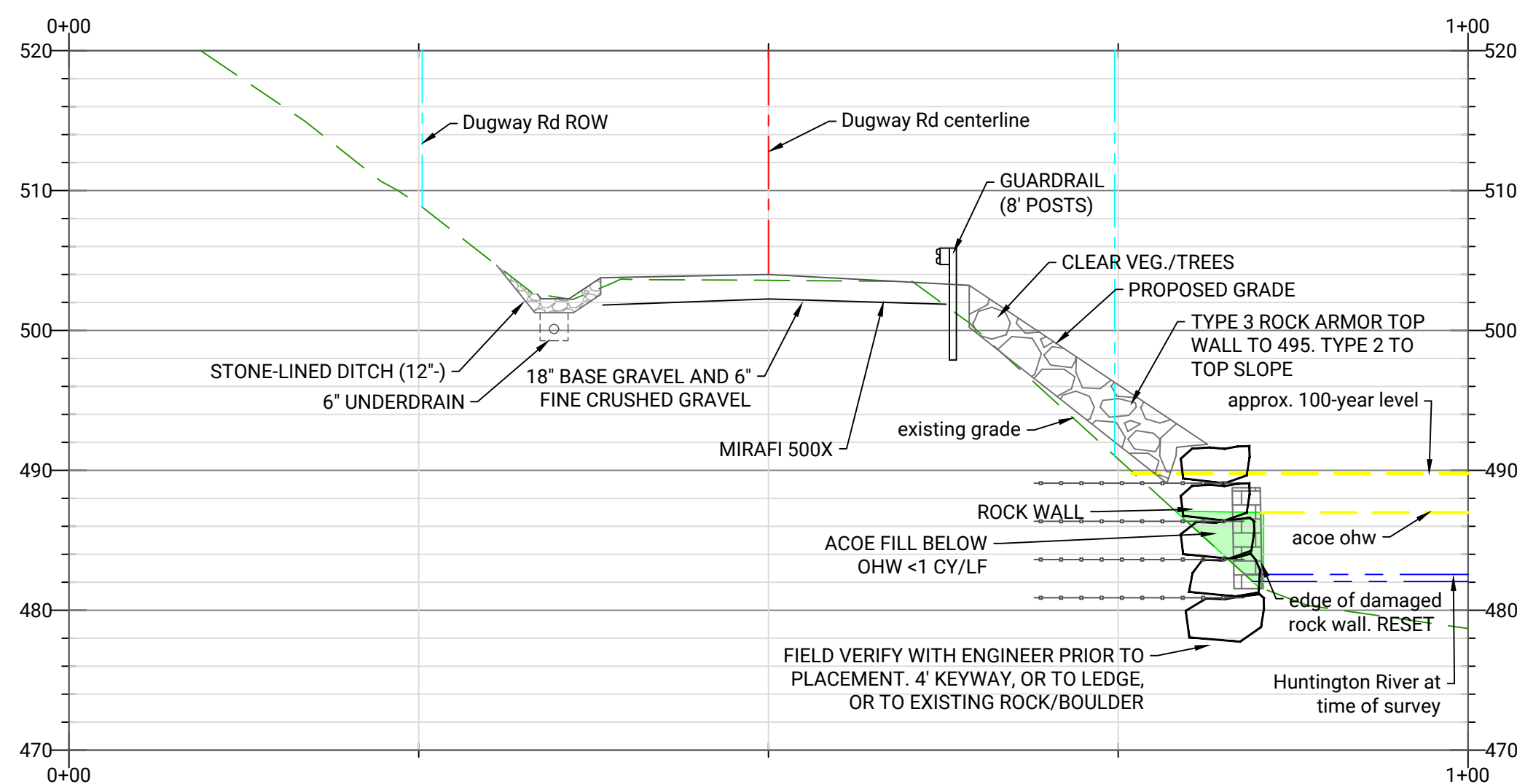
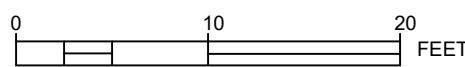
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C-3.0



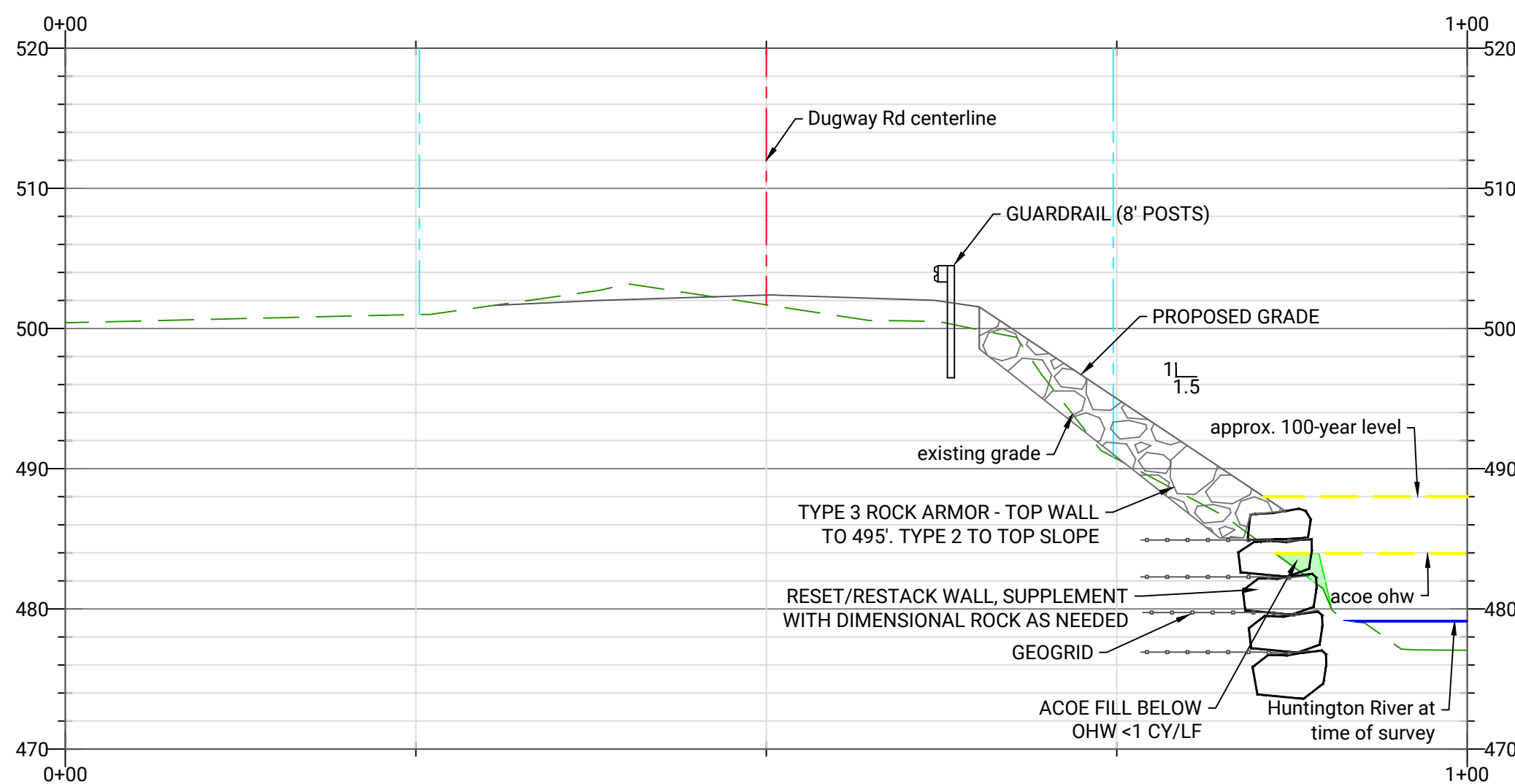
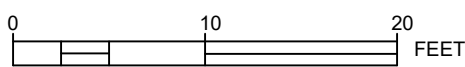
DUGWAY ROAD SECTION 11+50

SCALE: 1" = 10' (24"x36" PAPER)



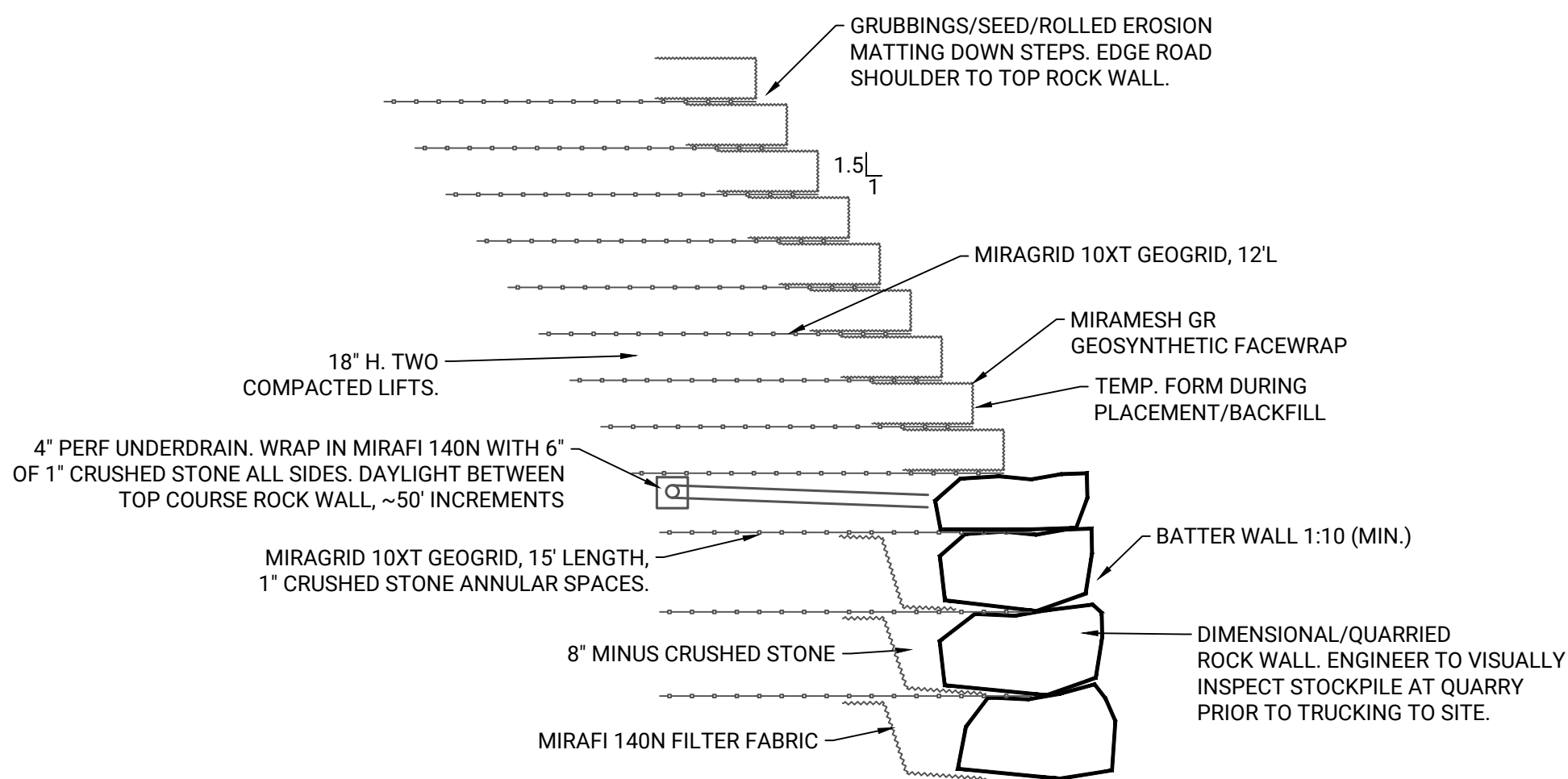
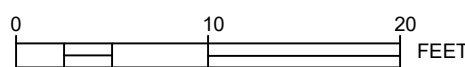
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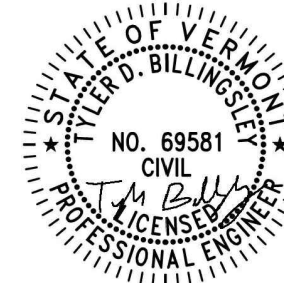
DUGWAY ROAD SECTION 17+50

SCALE: 1" = 10' (24"x36" PAPER)



ROCK WALL & GEOTEXTILE REINFORCED SLOPE DETAIL

SCALE: NOT TO SCALE



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(802) 434-5170

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REPAIRS 2023-2024**

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REVISIONS

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1	TB	2026-01-12
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**DUGWAY ROAD
SECTIONS &
DETAILS**

DRAWING NO:

C-4.0