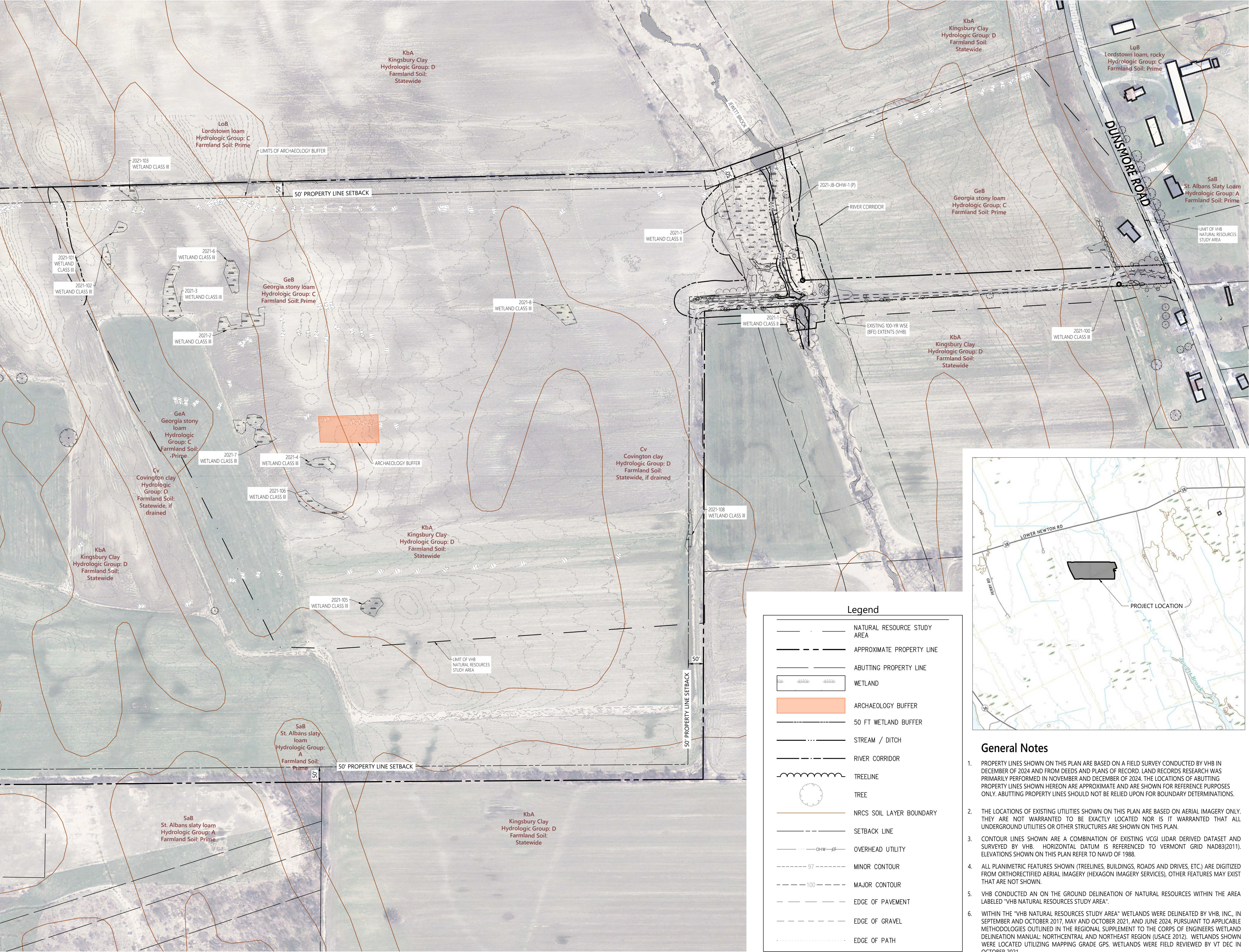
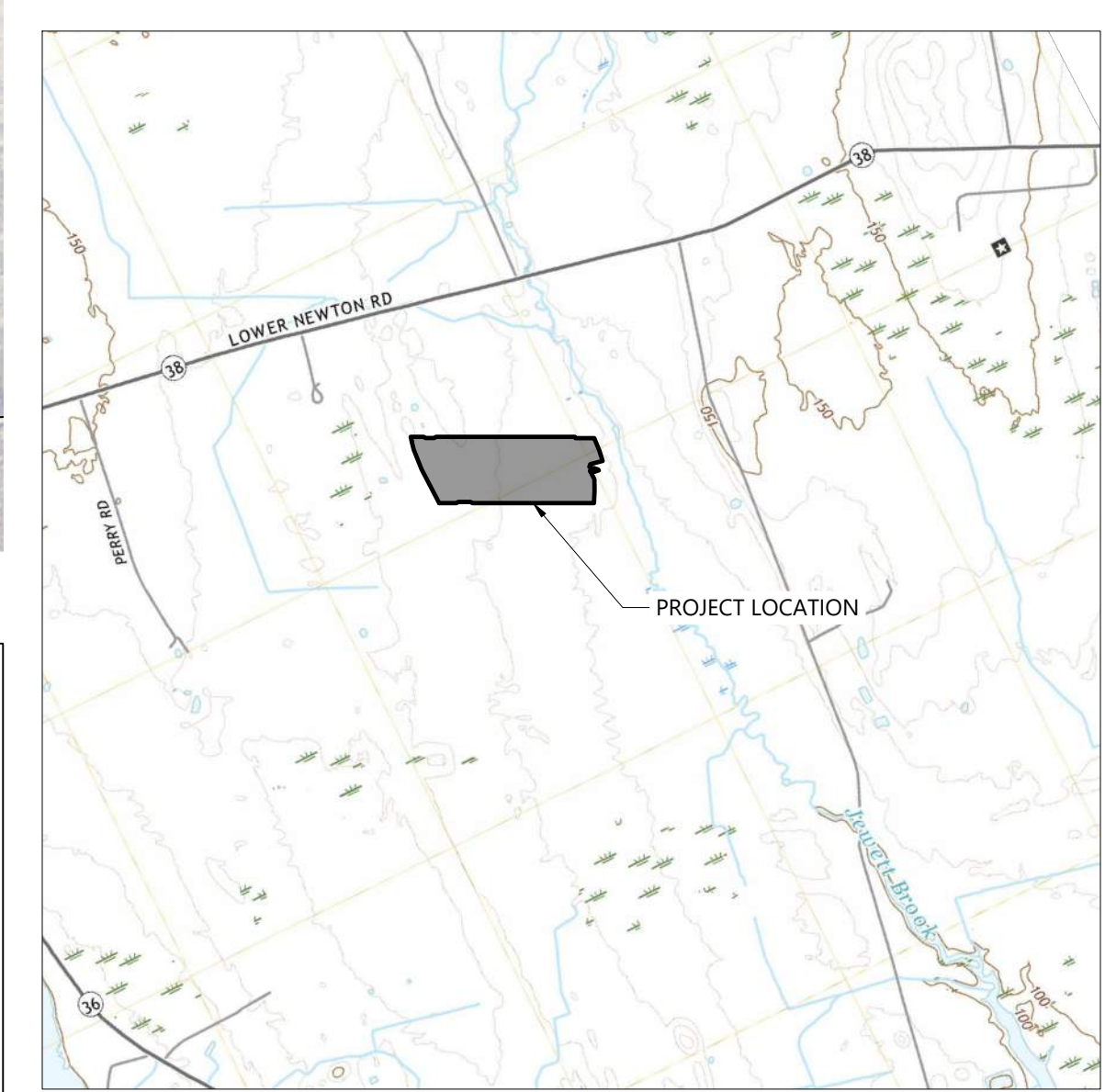




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Existing Conditions Plan

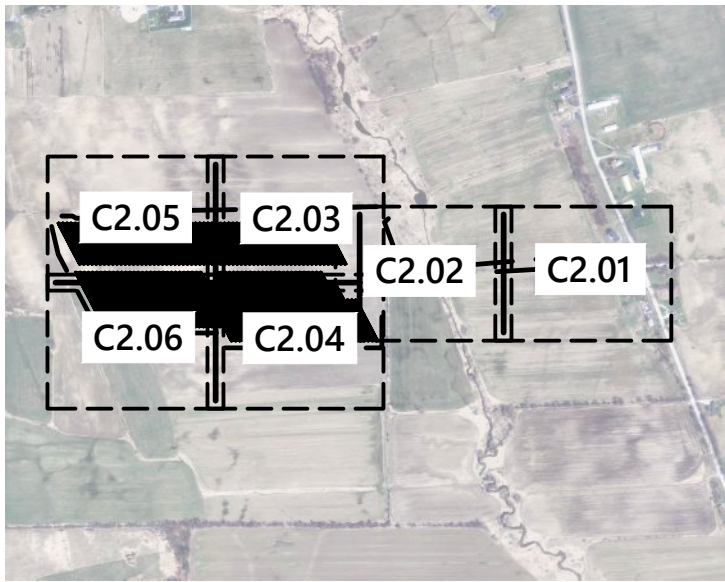
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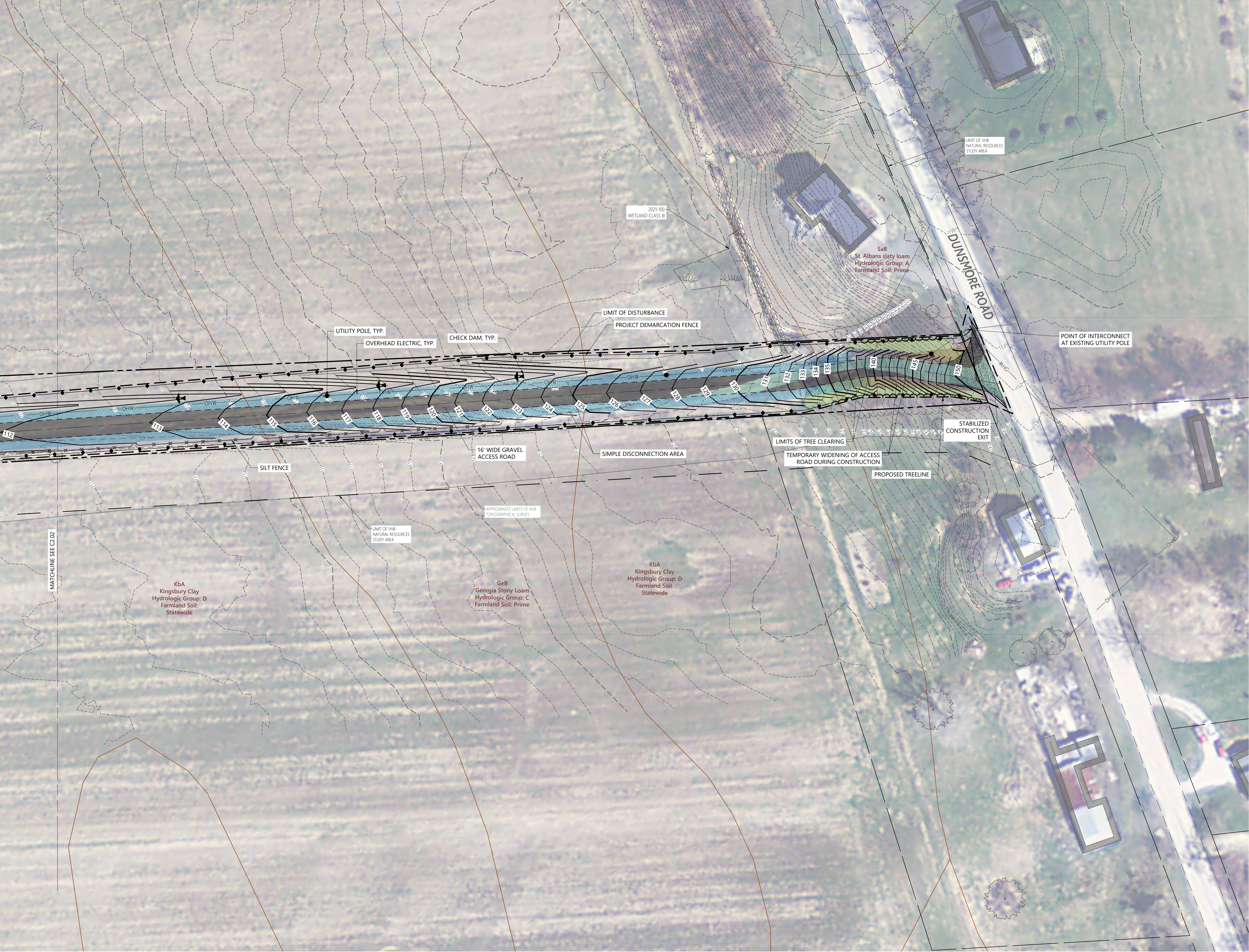
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Sheet 2 of 24

Project Number
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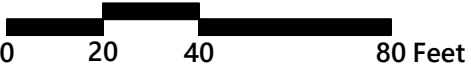


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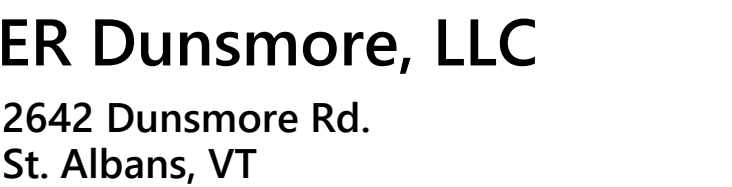
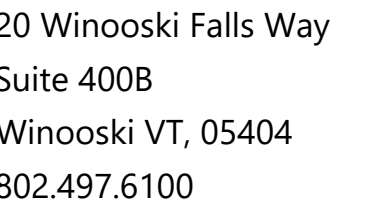
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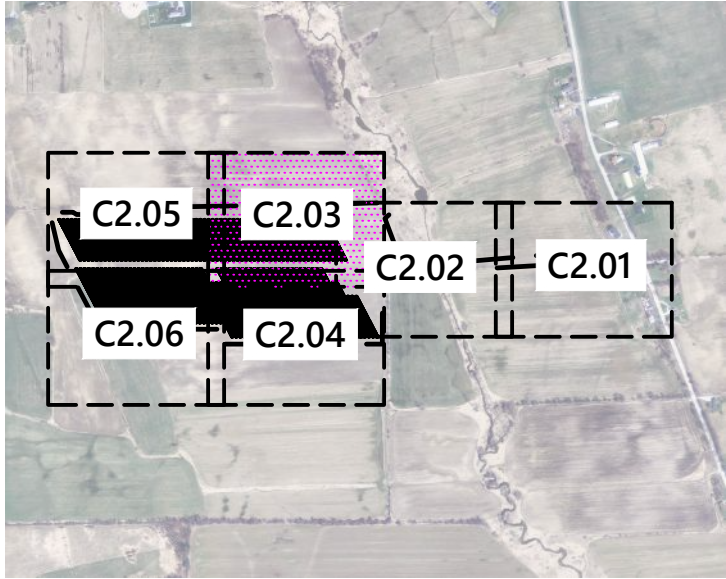
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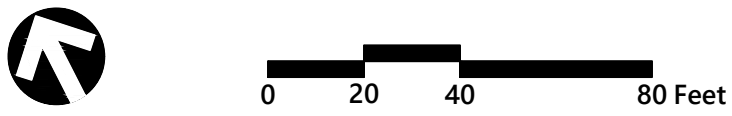




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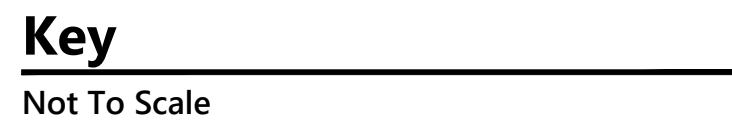
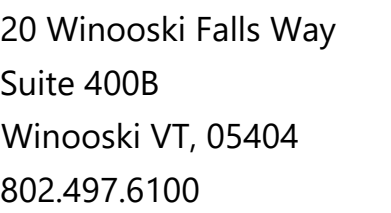
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Site Plan (3 of 6)

Drawing Number

C2.03

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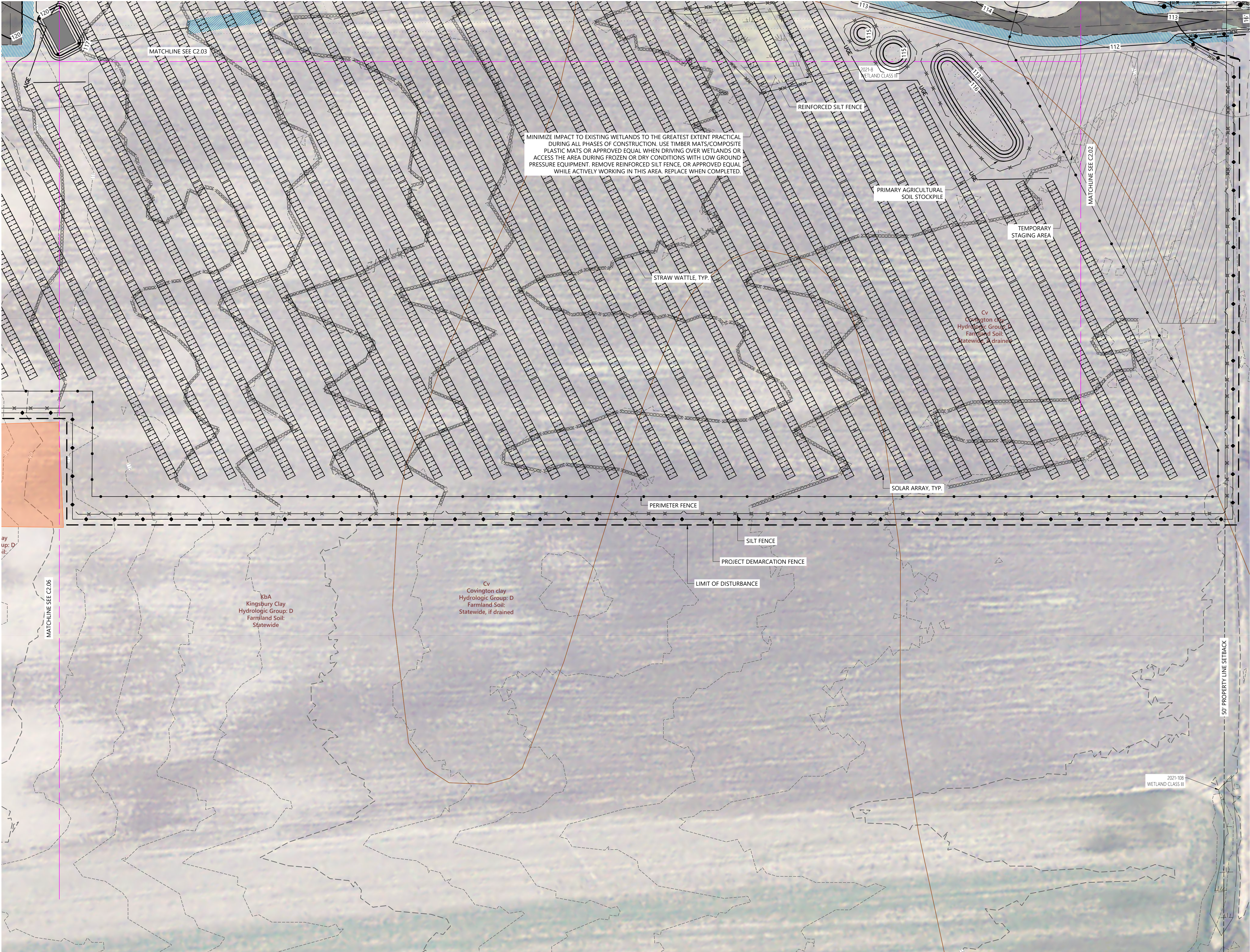
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Site Plan (4 of 6)

C2.04

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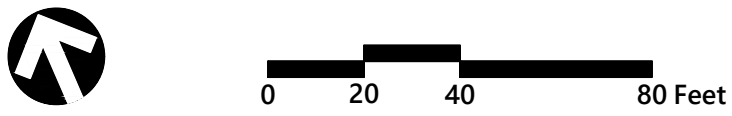
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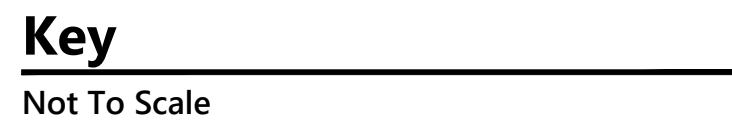
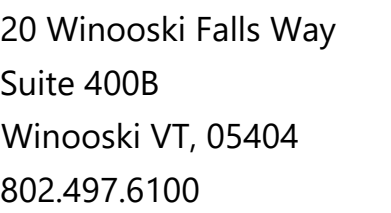
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Drawing Number

C2.05

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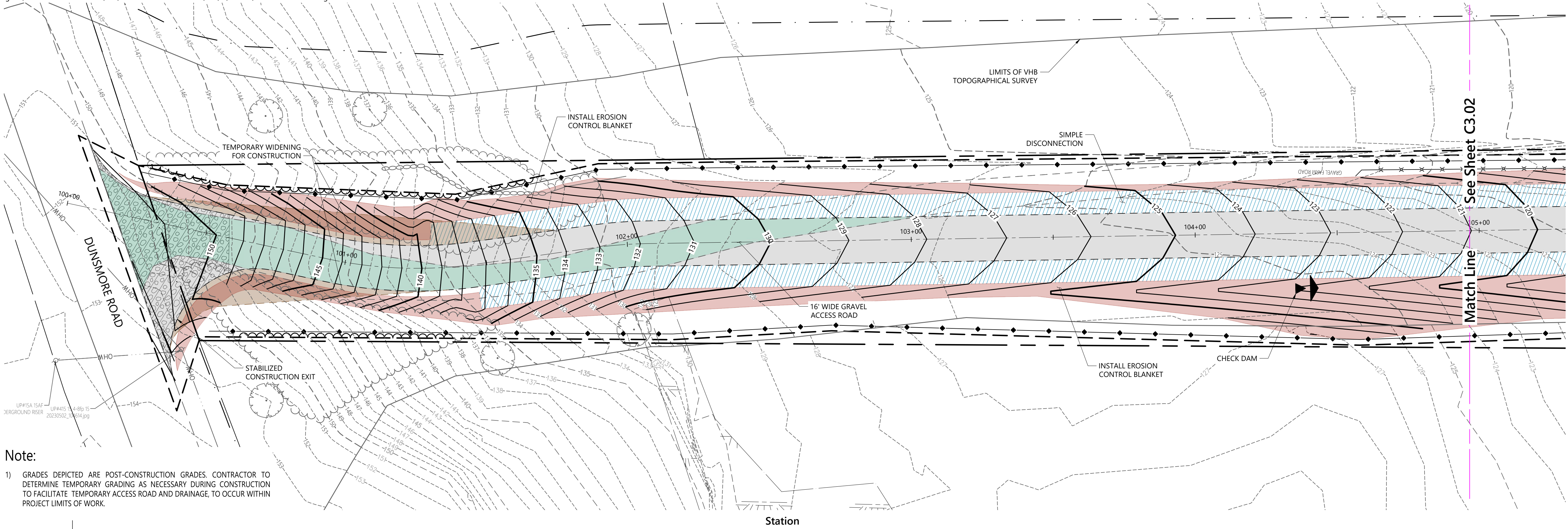
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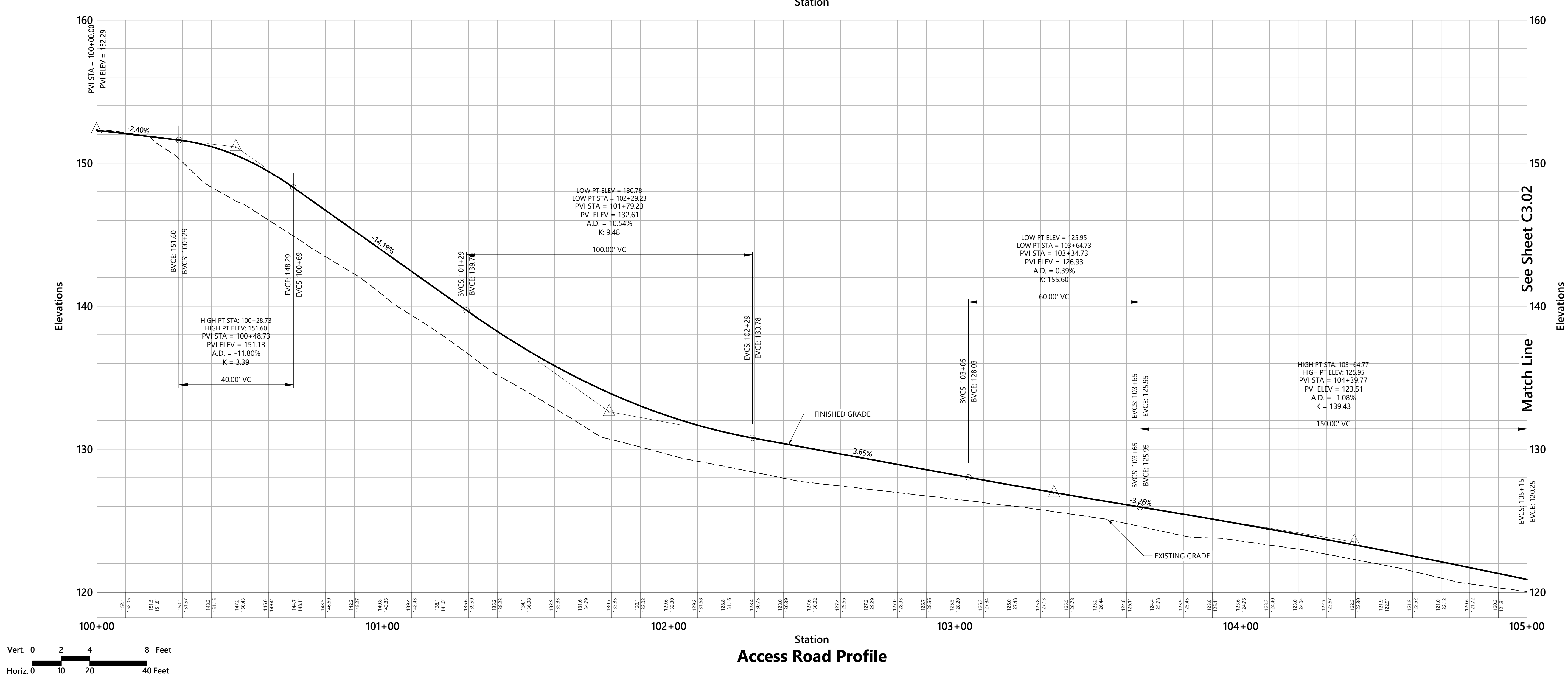
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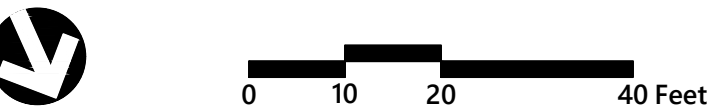
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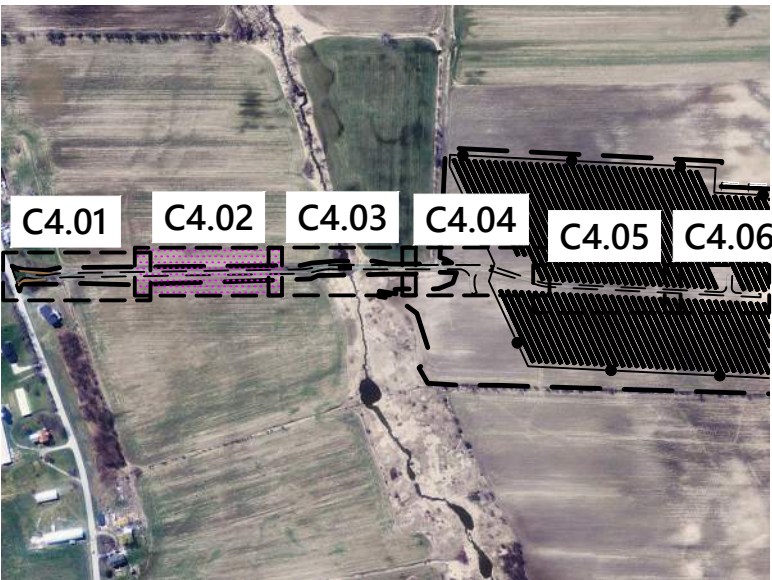
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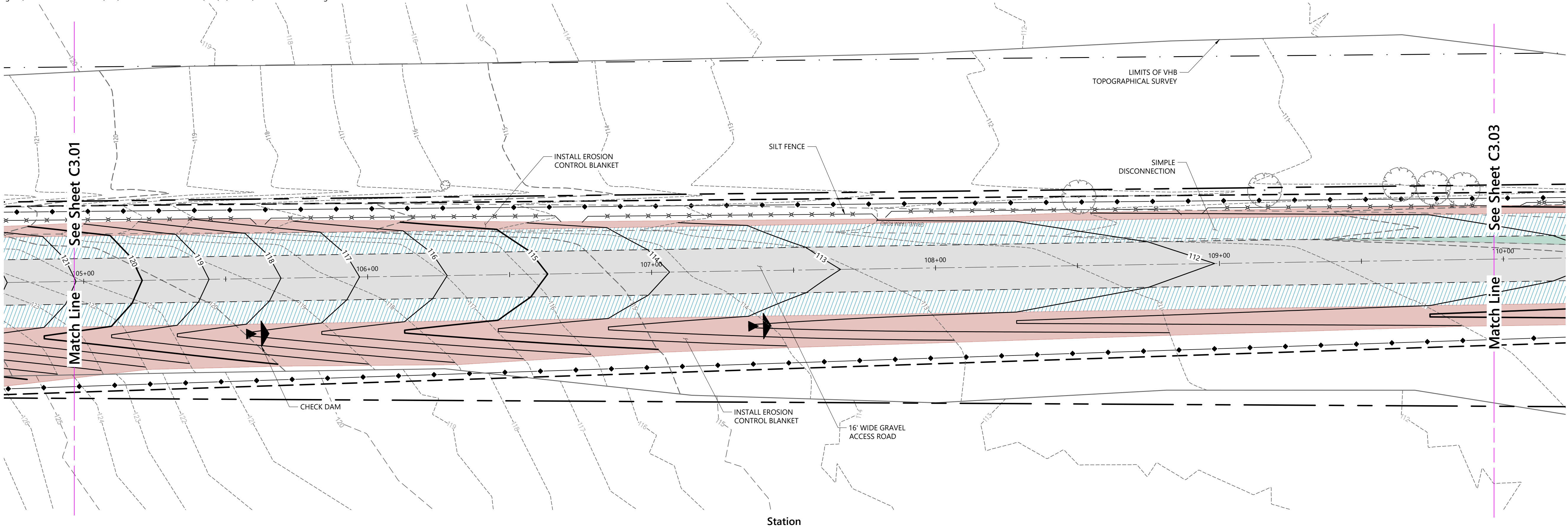
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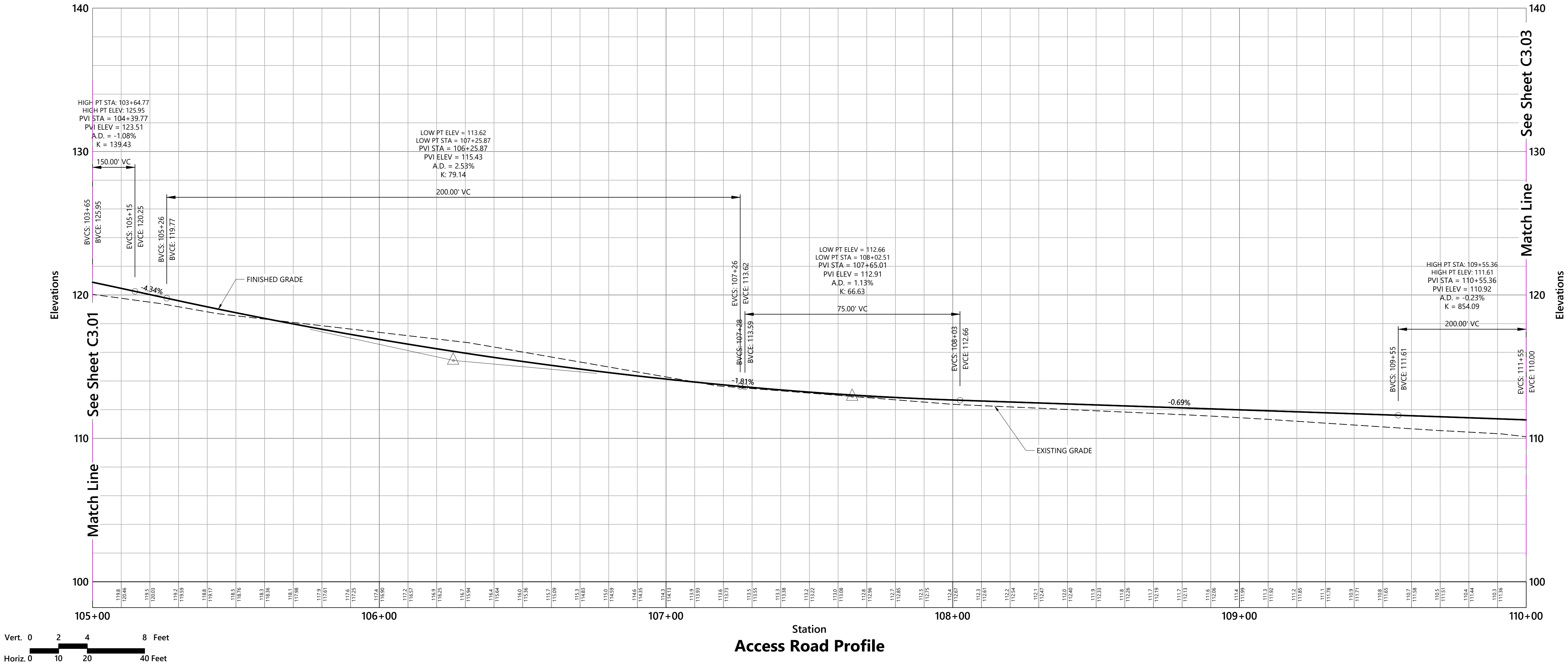
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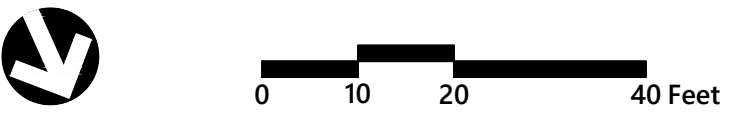
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Station



Access Road Profile



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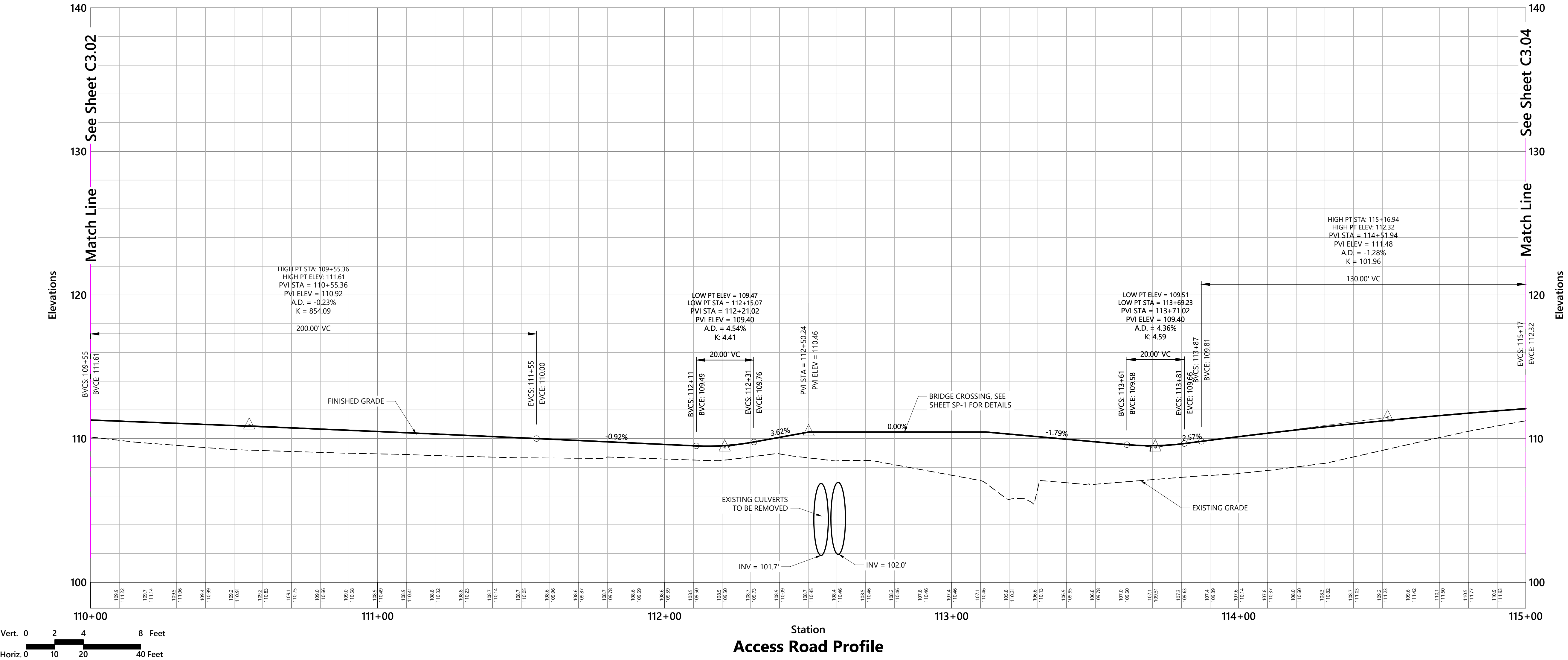
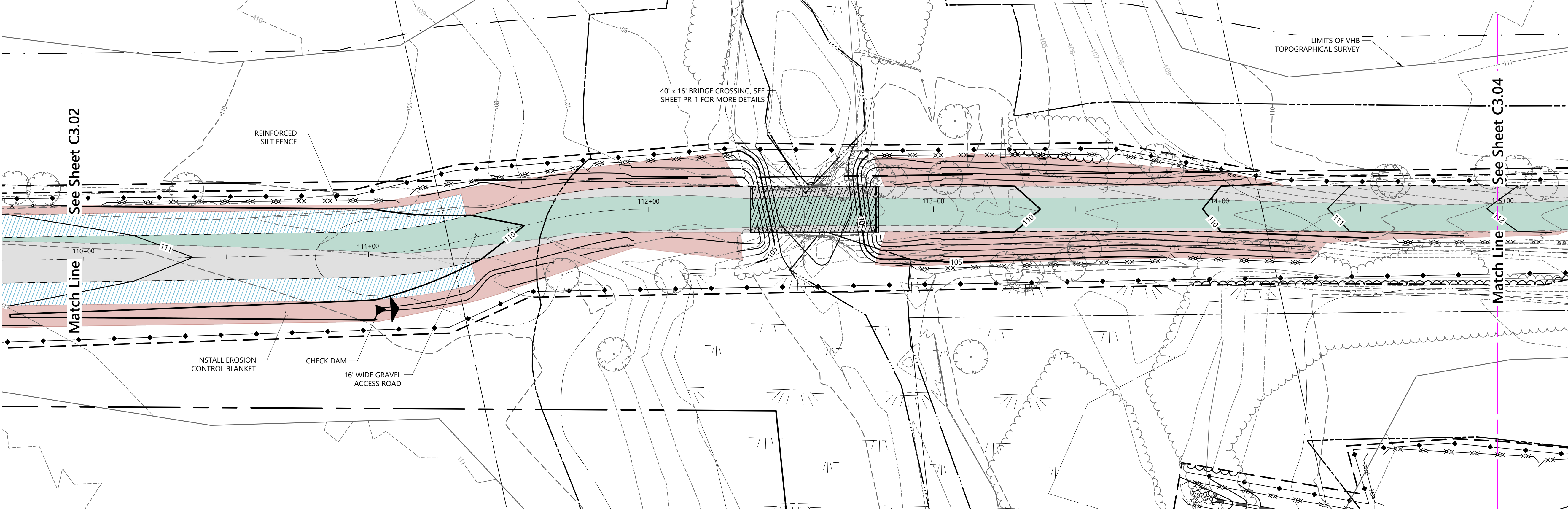
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**Profile and Grading Plan
(2 of 6)**

Drawing Number

C4.02

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0 10 20 40 Feet

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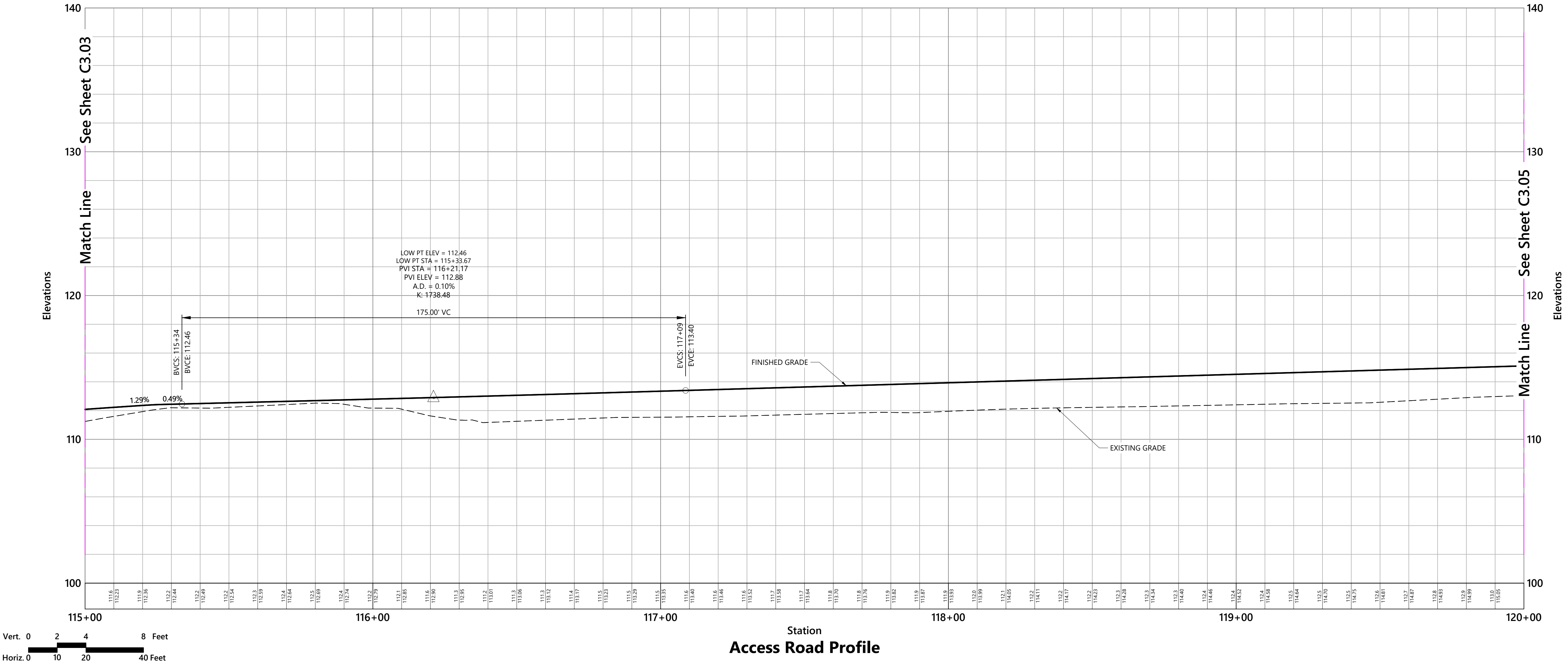
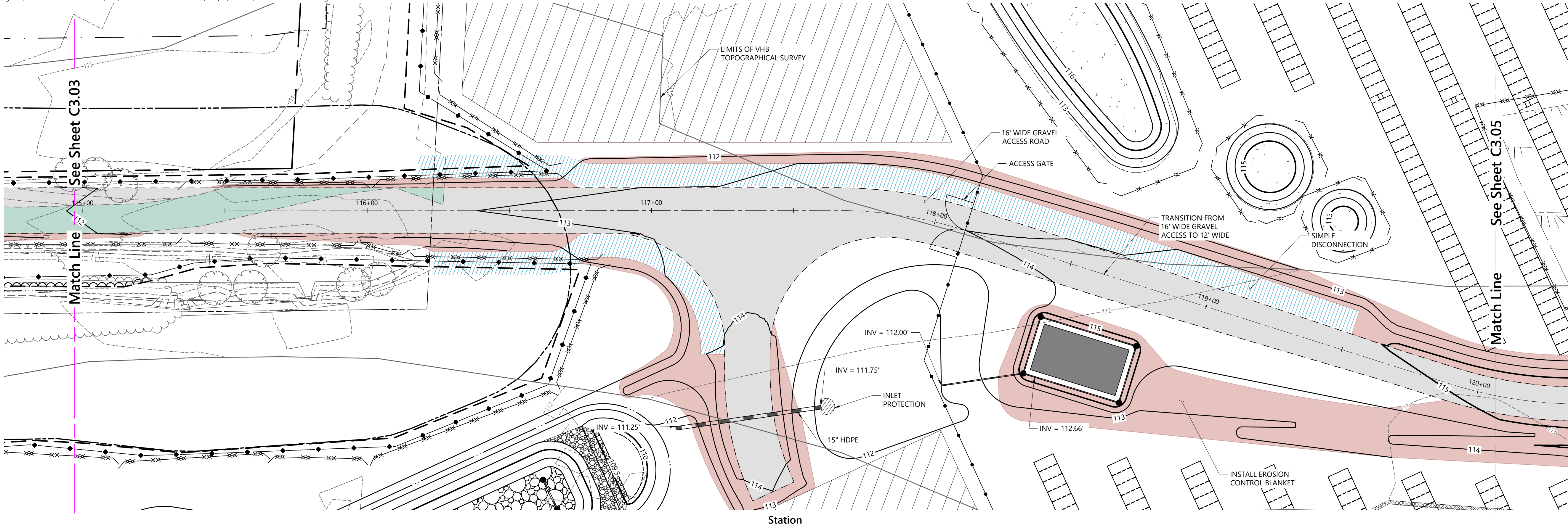
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(3 of 6)

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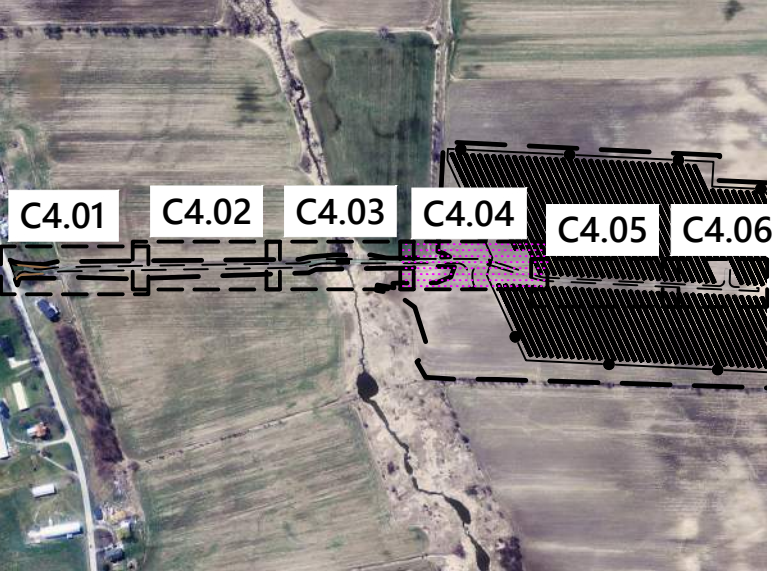
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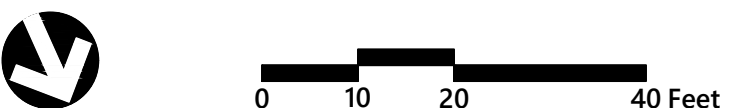


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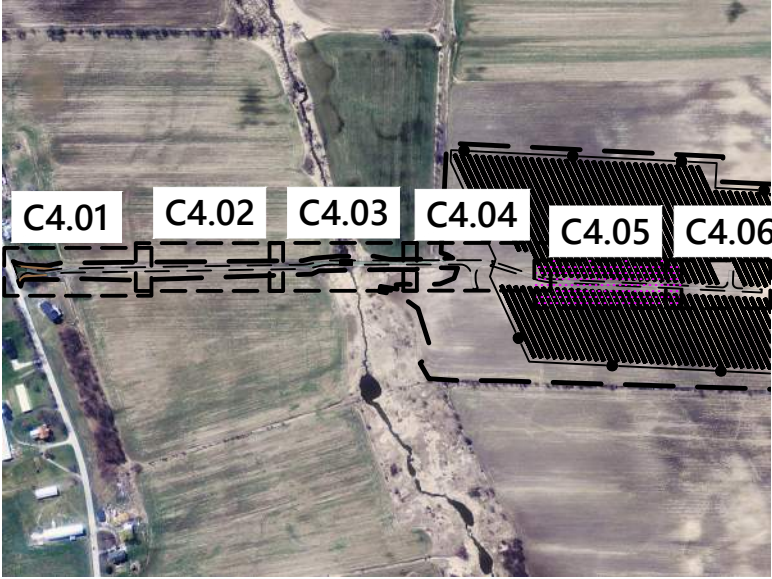
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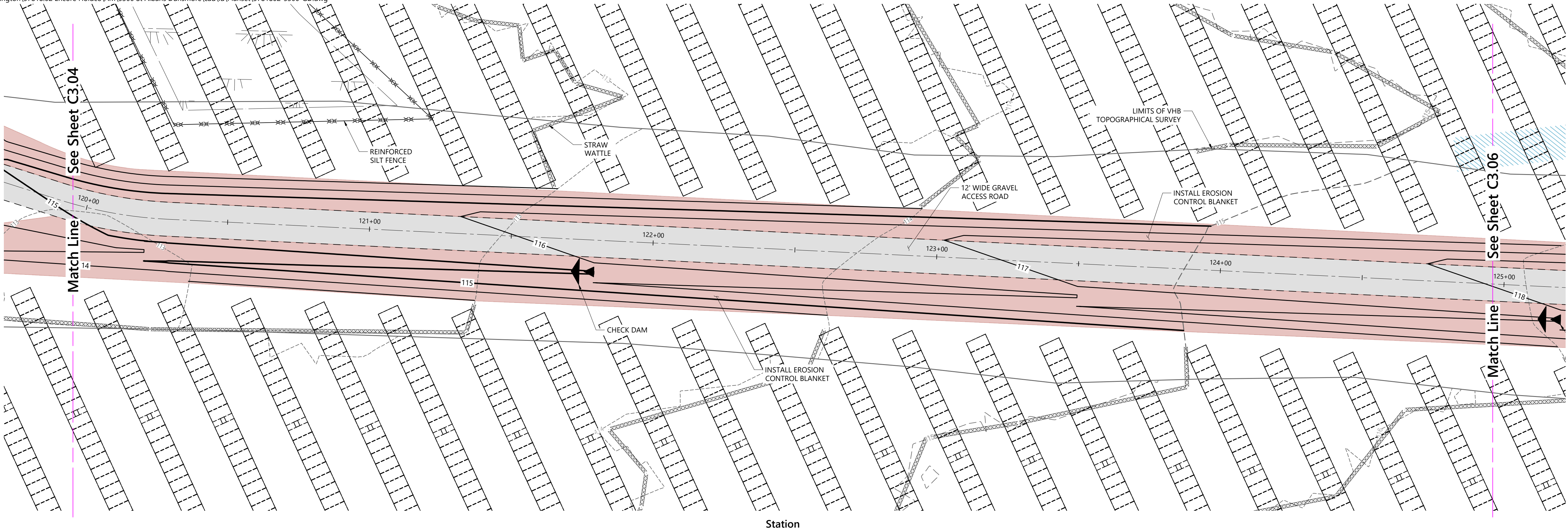
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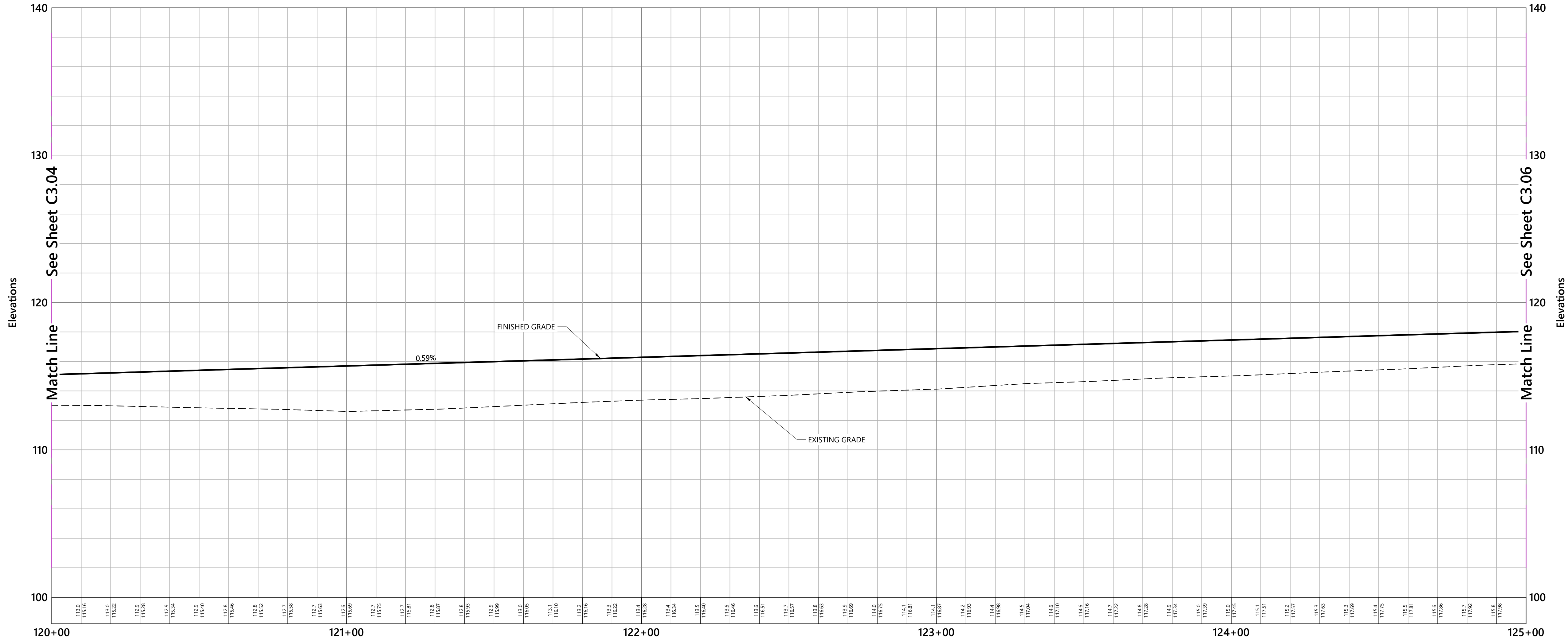
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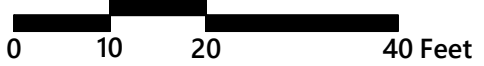
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Station



Access Road Profile



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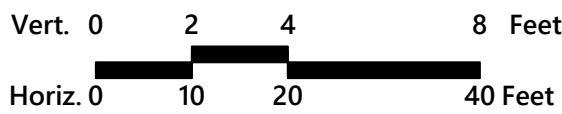
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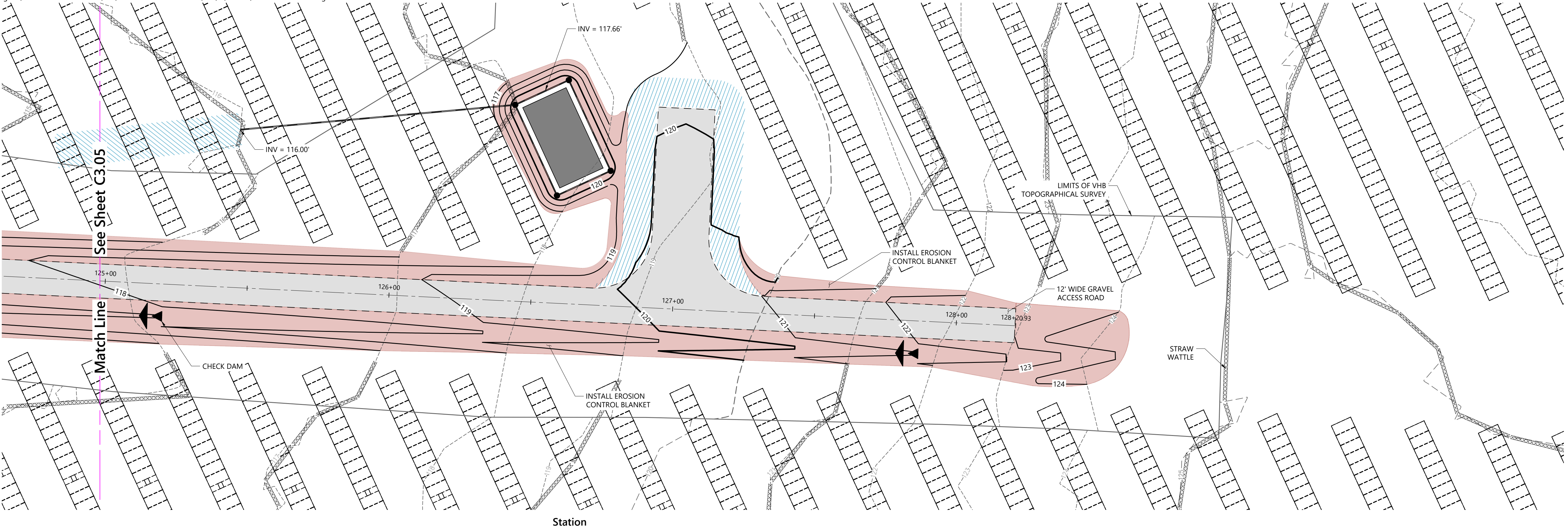
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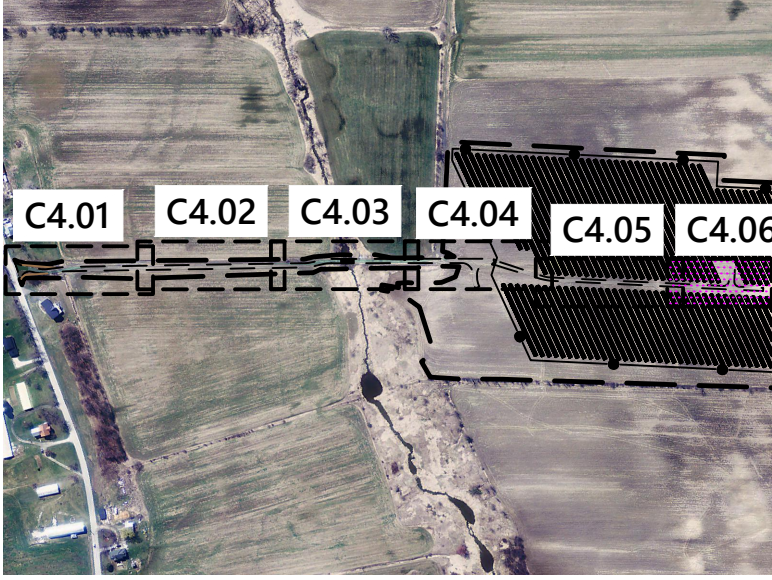






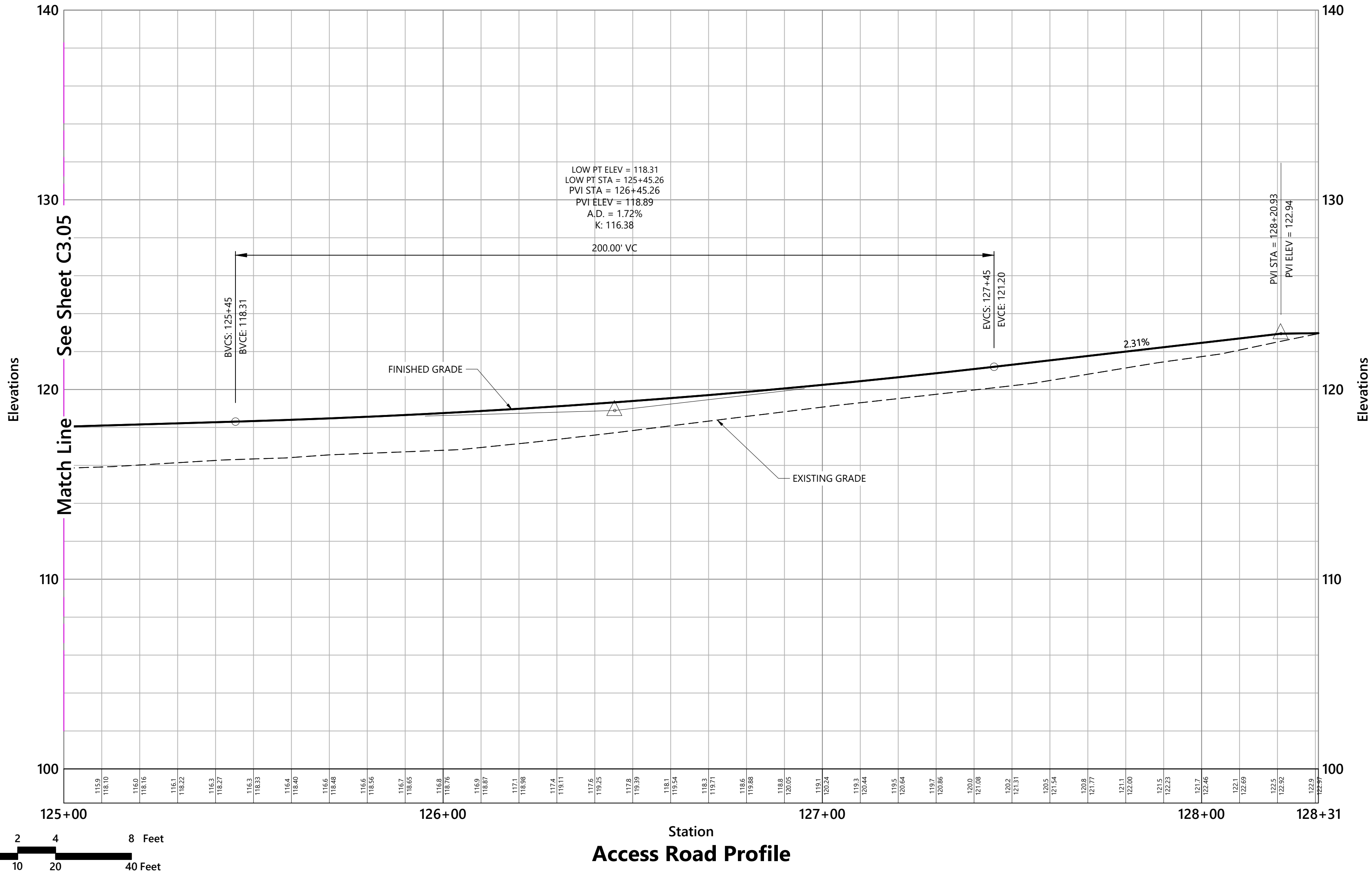
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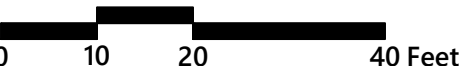
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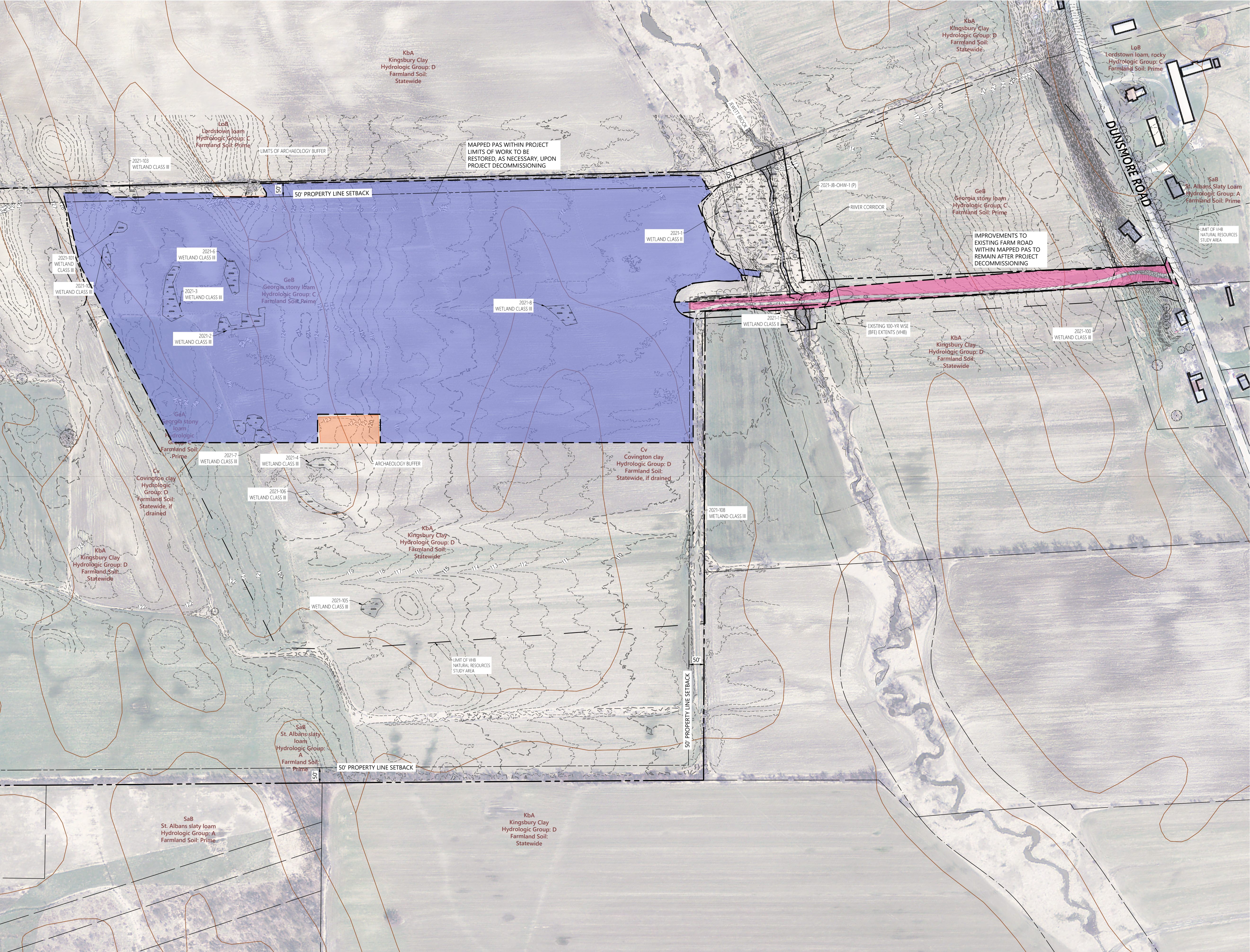
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Drawing Title

**Primary Agricultural
Soils Plan**

PRIMARY AGRICULTURAL SOILS NOTES

1. PRIMARY AGRICULTURAL SOILS ON THE PROJECT SITE SHALL BE PRESERVED IN A MANNER THAT ALLOWS FOR COMPLETE RESTORATION DURING PROJECT DECOMMISSIONING. CONTRACTOR SHALL STORE EXCAVATED PRIMARY AGRICULTURAL SOILS IN ACCORDANCE WITH AAFM GUIDELINES' FACT 250 PROCEDURE: RECLAMATION OF VERMONT AGRICULTURAL SOILS'.

2. TOPSOIL TEMPORARY STOCKPILE AREAS: ALL SOIL RELOCATION AND STORAGE SHALL OCCUR PER PRIMARY AGRICULTURAL SOIL MAP UNIT AND BE IN CONFORMANCE WITH AAFM GUIDELINES. SEE NOTE 1. PROVIDE TEMPORARY AND PERMANENT STABILIZATION.

EROSION CONTROL NOTES

INTRODUCTION

THIS PROJECT IS SUBJECT TO THE TERMS AND CONDITIONS OF THE AUTHORIZATION FROM THE STATE OF VERMONT TO DISCHARGE CONSTRUCTION RELATED STORMWATER RUNOFF. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO DETERMINE VT DEC PERMITTING REQUIREMENTS FOR EROSION CONTROL FOR THE PROJECT.

COVERAGE UNDER THE STATE CONSTRUCTION GENERAL PERMIT 3-9020 IS REQUIRED FOR ANY CONSTRUCTION ACTIVITY THAT DISTURBS 1 OR MORE ACRES OF LAND, OR IS PART OF A LARGER DEVELOPMENT PLAN THAT WILL DISTURB 1 OR MORE ACRES.

THIS PROJECT IS ASSUMED TO REQUIRE AN AUTHORIZATION TO DISCHARGE UNDER GENERAL PERMIT 3-9020, AND PRESUMED TO QUALIFY AS EITHER A LOW OR MODERATE RISK PROJECT, AND WILL AT A MINIMUM FOLLOW THE REQUIREMENTS OF THE VERMONT LOW RISK SITE HANDBOOK AS DESCRIBED ON THIS SHEET AS WELL AS ANY ADDITIONAL CONDITIONS OF THE AUTHORIZATION.

EROSION PREVENTION AND SEDIMENT CONTROL

THE FOLLOWING NARRATIVE AND IMPLEMENTATION REQUIREMENTS REPRESENT THE MINIMUM STANDARD FOR WHICH THIS SITE IS REQUIRED TO BE MAINTAINED AS REGULATED BY THE STATE OF VERMONT.

ANY BEST MANAGEMENT PRACTICES (BMP'S) DEPICTED ON THE PROJECT'S EPS C SITE PLAN WHICH GO BEYOND THE HANDBOOK REQUIREMENTS ARE CONSIDERED TO BE INTEGRAL TO THE MANAGEMENT OF THE SITE.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT THE NECESSARY BMP'S TO COMPLY WITH THE LOW RISK HANDBOOK STANDARDS OUTLINED ON THIS SHEET BASED ON THE INTERIM SITE DISTURBANCE CONDITIONS WHICH MAY OR MAY NOT BE SHOWN ON THE EPS C SITE PLAN.

1. DEMARCAT E LIMITS OF DISTURBANCE

PURPOSE:
DELINEATING THE SITE WILL HELP TO: LIMIT THE AREA OF DISTURBANCE TO ONLY WHAT IS NECESSARY FOR CONSTRUCTION, PREVENT UNAUTHORIZED DISTURBANCE, PRESERVE EXISTING VEGETATION, AND LIMIT EROSION POTENTIAL ON THE SITE.
REQUIREMENT:

YOU MUST PHYSICALLY MARK THE LIMITS OF CONSTRUCTION ACTIVITY USING ONE OF THE METHODS DESCRIBED BELOW.

HOW TO COMPLY:
BEFORE INITIATING ANY EARTH DISTURBING ACTIVITIES, INSTALL A PERIMETER FENCE, ORANGE BARRIER TAPE, OR FLAGGING ON STAKES OR TREES TO PHYSICALLY DEMARCAT E THE APPROVED LIMITS OF EARTH DISTURBANCE.

2. POLLUTION PREVENTION

PURPOSE:
MANY CONSTRUCTION SITES REQUIRE STORAGE OF CHEMICALS AND MATERIALS THAT HAVE DETRIMENTAL EFFECTS IF RELEASED INTO OUR WATERWAYS. A STORAGE PLAN FOR THESE POTENTIAL POLLUTION SOURCES AS WELL AS A SPILL PREVENTION AND CLEAN UP PLAN ARE REQUIRED TO MITIGATE THESE RISKS.

REQUIREMENT:
DESIGN, INSTALL, IMPLEMENT, AND MAINTAIN EFFECTIVE POLLUTION PREVENTION MEASURES TO MINIMIZE THE DISCHARGE OF POLLUTANTS. AT A MINIMUM, SUCH MEASURES MUST BE DESIGNED, INSTALLED, IMPLEMENTED AND MAINTAINED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS.

HOW TO COMPLY:

1. MINIMIZE THE EXPOSURE OF THE FOLLOWING TO PRECIPITATION AND TO STORMWATER: BUILDING MATERIALS, BUILDING PRODUCT S, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE SITE.
2. MINIMIZATION OF EXPOSURE IS NOT REQUIRED IN CASES WHERE THE EXPOSURE TO PRECIPITATION AND TO STORMWATER WILL NOT RESULT IN A DISCHARGE OF POLLUTANTS, OR WHERE EXPOSURE OF A SPECIFIC MATERIAL OR PRODUCT POSSES LITTLE RISK OF STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).

3. LIMIT CONCURRENT EARTH DISTURBANCE

PURPOSE:
LIMIT THE AMOUNT OF SOIL EXPOSED AT ANY ONE TIME TO REDUCE THE POTENTIAL EROSION ON THE CONSTRUCTION SITE.

REQUIREMENT:
THE MAXIMUM AREA OF CONCURRENT EARTH DISTURBANCE IS SPECIFIED ON THE SITE'S WRITTEN AUTHORIZATION TO DISCHARGE. EARTH DISTURBANCE AT ANY ONE TIME CANNOT EXCEED THE MAXIMUM CONCURRENT DISTURBANCE IDENTIFIED IN THE AUTHORIZATION. AREAS THAT ARE AT FINAL STABILIZATION OR THAT HAVE BEEN TEMPORARILY STABILIZED IN ACCORDANCE WITH SECTION 4 OF THIS HANDBOOK, ARE NOT COUNTED TOWARD THE MAXIMUM CONCURRENT DISTURBANCE AREA.

HOW TO COMPLY:
PLAN AHEAD AND PHASE THE CONSTRUCTION ACTIVITIES TO ENSURE THAT NO MORE THAN THE PERMITTED MAXIMUM CONCURRENT ACREAGE IS DISTURBED AND UNSTABILIZED AT ONE TIME.

BE SURE TO PROPERLY STABILIZE EXPOSED SOIL USING ONE OF THE METHODS INTRODUCED IN SECTION 4 OF THIS HANDBOOK BEFORE BEGINNING WORK IN A NEW SECTION OF THE SITE.

4. SITE STABILIZATION

PURPOSE:
SEEDING AND MULCHING, APPLYING EROSION CONTROL MATTING, AND HYDROSEEDING ARE ALL METHODS TO TEMPORARILY STABILIZE EXPOSED SOIL AND PREVENT SOIL EROSION PRIOR TO VEGETATIVE GROWTH. MULCHES AND MATTING PROTECT THE SOIL SURFACE WHILE GRASS IS ESTABLISHING. AREAS OF EARTH DISTURBANCE MAY ALSO BE STABILIZED WITH STONE, SUCH AS RIP-RAP OR GRAVEL, OR OTHER IMPERVIOUS SURFACES SUCH AS PAVEMENT AND CONCRETE.

REQUIREMENTS FOR TEMPORARY STABILIZATION:

ALL AREAS OF EARTH DISTURBANCE MUST HAVE TEMPORARY OR FINAL STABILIZATION WITHIN 14 DAYS OF INITIAL DISTURBANCE, AS STATED IN THE PROJECT AUTHORIZATION. AFTER THIS TIME, DISTURBED AREAS MUST BE TEMPORARILY STABILIZED OR PERMANENTLY STABILIZED IN ADVANCE OF ANY RUNOFF PRODUCING EVENT. A RUNOFF PRODUCING EVENT IS AN EVENT THAT PRODUCES RUNOFF FROM THE CONSTRUCTION SITE.

THE FOLLOWING EXCEPTION APPLIES:

TEMPORARY STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN A SELF-CONTAINED EXCAVATION (I.E. NO OUTLET) WITH A DEPTH OF 2 FEET OR GREATER (E.G. HOUSE FOUNDATION EXCAVATION, UTILITY TRENCHES), PROVIDED ANY DEWATERING, IF NECESSARY, IS CONDUCTED IN ACCORDANCE WITH PART 13.

HOW TO COMPLY:

AS REQUIRED BY THE AUTHORIZATION, TEMPORARY STABILIZATION FOR AREAS OF EARTH DISTURBANCE SHALL BE COMPLETED UTILIZING ONE OR MORE OF THE METHODS BELOW:

MULCHING RATES

APRIL 16 - OCT. 14 -- HAY OR STRAW*: 1 INCH DEEP (1-2 BALES/1000 S.F.)
OCT. 15 - APRIL 15 -- HAY OR STRAW*: 2 INCH DEEP (2-4 BALES/1000 S.F.)
*SEED MAY ALSO BE INCORPORATED
WOOD CHIP MULCH OR STUMP GRINDINGS
COVER ENTIRE AREA WITH 2-7 INCHES OR MORE OF WOOD CHIP MULCH OR STUMP GRINDINGS.

HYDROSEED

AS PER MANUFACTURER'S INSTRUCTIONS, MUST INCLUDE MULCH COMPONENT, NOT ACCEPTABLE STABILIZATION FOR WINTER CONSTRUCTION PERIOD

REQUIREMENTS FOR DUST CONTROL:

CONSTRUCTION ROADS, ACCESS POINTS, AND OTHER DISTURBED AREAS SUBJECT TO SURFACE DUST MOVEMENT AND DUST BLOWING DURING DRY PERIODS WHERE OFF-SITE DAMAGE MAY OCCUR IF DUST IS NOT CONTROLLED SHALL BE SPRAYED WITH WATER TO PREVENT DUST MOBILIZATION. CHEMICAL APPLICATIONS, INCLUDING THE USE OF CHLORIDE, SHALL NOT BE APPLIED WITHOUT WRITTEN APPROVAL FROM THE VT DEC.

REQUIREMENTS FOR FINAL STABILIZATION:

ALL AREAS OF DISTURBANCE MUST HAVE PERMANENT STABILIZATION WITHIN 48 HOURS OF REACHING FINAL GRADE.

BRING THE SITE OR SECTIONS OF THE SITE TO FINAL GRADE AS SOON AS POSSIBLE AFTER CONSTRUCTION IS COMPLETED. THIS WILL REDUCE THE NEED FOR ADDITIONAL SEDIMENT AND EROSION CONTROL MEASURES AND WILL REDUCE THE TOTAL DISTURBED AREA.

PREPARE BARE SOIL FOR SEEDING BY GRADING THE TOP 4 TO 6 INCHES OF SOIL AND REMOVING ANY LARGE ROCKS OR DEBRIS AND APPLY SEED PER SUPPLIER'S SPECIFICATIONS.

5. STABILIZED CONSTRUCTION ACCESS

PURPOSE:

A STABILIZED CONSTRUCTION ACCESS HELPS REMOVE MUD AND SEDIMENT FROM VEHICLES AND EQUIPMENT TO PREVENT TRACKING ONTO STREETS.

REQUIREMENTS:

IF THERE WILL BE ANY VEHICLE OR EQUIPMENT TRAFFIC OFF OF THE CONSTRUCTION SITE, YOU MUST INSTALL A STABILIZED CONSTRUCTION ACCESS AT THE START OF CONSTRUCTION.

HOW TO INSTALL:

- ROCK SIZE: USE A MIX OF 1 TO 4 INCH STONE
 - DEPTH: 8 INCHES MINIMUM
 - WIDTH: 12 FEET MINIMUM, FLARED AT ROAD FOR VEHICLE TURNING
 - LENGTH: 40 FEET MINIMUM (OR LENGTH OF DRIVEWAY FOR RESIDENTIAL PROJECTS, IF SHORTER)
 - GEOTEXTILE: PLACE FILTER CLOTH UNDER ENTIRE STONE BED
- MAINTENANCE:
REDRESS WITH CLEAN STONE OR SCARIFY TO OPEN VOIDS AS REQUIRED TO KEEP SEDIMENT FROM TRACKING ONTO THE STREET.

WHEN SEDIMENT HAS BEEN TRACKED-OUT FROM YOUR SITE ONTO PAVED ROADS, SIDEWALKS, OR OTHER PAVED AREAS OUTSIDE OF YOUR SITE, REMOVE THE DEPOSITED SEDIMENT BY THE END OF THE SAME BUSINESS DAY IN WHICH THE TRACK-OUT OCCURS OR BY THE END OF THE NEXT BUSINESS DAY IF TRACK-OUT OCCURS ON A NON-BUSINESS DAY.

REMOVE THE TRACK-OUT BY SWEEPING, SHOVELING, OR VACUUMING THESE SURFACES, OR BY USING OTHER SIMILARLY EFFECTIVE MEANS OF SEDIMENT REMOVAL.

YOU ARE PROHIBITED FROM HOSING OR SWEEPING TRACKED OUT SEDIMENT INTO ANY STORMWATER CONVEYANCE, STORM DRAIN INLET, OR WATER OF THE STATE.

6. DIVERT UPLAND RUNOFF

PURPOSE:

DIVERSION BERMS INTERCEPT STORMWATER RUNOFF CONTRIBUTING FROM ABOVE THE CONSTRUCTION SITE AND DIRECT IT AROUND THE DISTURBED AREA. THIS PREVENTS OFFSITE RUNOFF FROM ENTERING THE CONSTRUCTION SITE, THUS REDUCING THE POTENTIAL FOR EROSION AND REDUCING THE DRAINAGE AREA CONTRIBUTING TO THE SITE.

REQUIREMENTS:

IF STORMWATER RUNOFF CONTRIBUTES TO THE CONSTRUCTION SITE FROM UPSLOPE AREAS AND THE SITE MEETS THE FOLLOWING TWO CONDITIONS, YOU ARE REQUIRED TO FIRST INSTALL A DIVERSION BERM AND STABILIZED SWALE BEFORE DISTURBING ANY ADDITIONAL SOIL.

- ONE OR MORE ACRES OF SOIL WILL BE DISTURBED AT ANY ONE TIME.
- AVERAGE SLOPE OF THE DISTURBED AREA IS 20% OR STEEPER.

7. INSTALL PERIMETER CONTROLS

PURPOSE:

SILT FENCE AND EROSION CONTROL BERMS INTERCEPT RUNOFF AND ALLOW SUSPENDED SEDIMENT TO SETTLE OR FILTER OUT. FILTER SOCKS AND STRAW WATTLES ALSO FILTER CONSTRUCTION RUNOFF AND ARE ACCEPTABLE FOR USE IN SPECIFIC SITUATIONS.

SILT FENCE, EROSION CONTROL BERMS, FILTER SOCKS AND STRAW WATTLES ARE ALL ACCEPTABLE PERIMETER CONTROLS BASED ON SITE SPECIFIC CONDITIONS. PERMITTEE(S) MUST ENSURE THE RIGHT PRACTICE IS SELECTED FOR EROSION PREVENTION AND SEDIMENT CONTROL.

REQUIREMENTS:

PERIMETER CONTROLS MUST BE INSTALLED:

- ON THE DOWNHILL SIDE OF THE CONSTRUCTION ACTIVITIES
- BETWEEN ANY DITCH, SWALE, STORM DRAIN, OR SURFACE WATER AND THE DISTURBED SOIL
- PERIMETER CONTROLS NOT LABELED AS BIODEGRADABLE SHALL BE REMOVED ONCE THE DRAINAGE AREA HAS REACHED FINAL STABILIZATION

HOW TO COMPLY:

SELECT AND INSTALL A PERIMETER CONTROL FROM THE FOLLOWING OPTIONS: SILT FENCE, EROSION CONTROL BERMS, FILTER SOCKS, OR STRAW WATTLES.

WHERE TO PLACE:

PLACE PERIMETER CONTROLS ON THE DOWNHILL SIDE OF DISTURBED SOIL. IF SPACE IS AVAILABLE, PLACE PERIMETER CONTROL 10 FT FROM THE BOTTOM OF THE SLOPE, OTHERWISE PLACE ALONG THE CONTOUR AT THE BOTTOM OF THE SLOPE. ENSURE THE PERIMETER CONTROL CATCHES ALL RUNOFF FROM DISTURBED SOIL. MAXIMUM DRAINAGE AREA IS 1/4 ACRE FOR 100 FEET OF SILT FENCE AND EROSION CONTROL BERM. INSTALL PERIMETER CONTROLS ACROSS THE SLOPE (NOT UP AND DOWN SLOPE) INSTALL MULTIPLE ROWS OF PERIMETER CONTROL ON LONG SLOPES TO INTERCEPT FLOW. DO NOT INSTALL PERIMETER CONTROLS ACROSS DITCHES, CHANNELS, OR STREAMS. MAXIMUM SLOPE LENGTH (IN FEET) ABOVE A FILTER SOCK OR STRAW WATTLE

SILT FENCE:

A TEMPORARY BARRIER OF GEOTEXTILE FABRIC INSTALLED ON THE CONTOURS ACROSS A PROJECT SITE TO INTERCEPT SEDIMENT LADEN RUNOFF FROM SMALL DRAINAGE AREAS OF DISTURBED SOIL.

SILT FENCE INSTALLATION:

- DIG A TRENCH 6 INCHES DEEP ACROSS THE SLOPE
 - UNROLL SILT FENCE ALONG THE TRENCH
 - ENSURE STAKES ARE ON THE DOWNHILL SIDE OF THE FENCE
 - JOIN FENCING BY ROLLING THE END STAKES TOGETHER
 - DRIVE STAKES IN AGAINST DOWNHILL SIDE OF TRENCH
 - DRIVE STAKES UNTIL 16 INCHES OF FABRIC IS IN TRENCH
 - PUSH FABRIC INTO TRENCH; SPREAD ALONG BOTTOM
 - FILL TRENCH WITH SOIL AND PACK DOWN
- GRAVEL CAN BE USED TO CREATE GROUND CONTACT WITH FILTER FABRIC WHEN BEDROCK, LEDGE, OR NEARBY TREE ROOTS DO NOT ALLOW FOR TRENCHING. (A SECONDARY PERIMETER CONTROL CAN BE EFFECTIVE IN THESE LOCATIONS AS WELL.)

SILT FENCE MAINTENANCE:

- REMOVE ACCUMULATED SEDIMENT BEFORE IT IS HALFWAY UP THE FENCE.
- ENSURE THAT SILT FENCE IS TRENCHED IN GROUND AND THERE ARE NO GAPS.
- REPLACE ANY SILT FENCE THAT IS TORN, RIPPED, OR OTHERWISE DAMAGED THAT IS NO LONGER EFFECTIVE.

EROSION CONTROL BERMS:

EROSION CONTROL BERMS ARE COMPRISED OF A DENSE MIXTURE OF INTERTWINING WOOD FRAGMENTS AND GRIT THAT FORM A STABLE, LONG-LASTING MULCH. COMMON SOURCES INCLUDE STUMP GRINDINGS, AND AGED WOOD WASTE.

EROSION CONTROL BERM INSTALLATION:

- STUMP GRINDINGS FROM LAND CLEARING ARE AN EXCELLENT SOURCE OF MATERIAL FOR EROSION CONTROL BERMS, AND MAY BE READILY PRODUCED WHEN THE AREA TO BE DEVELOPED IS FORESTED.
- EROSION CONTROL BERMS ARE EFFECTIVE ON FROZEN GROUND, ROCKOUTCROPS, AND FORESTED AREAS WITH HEAVY ROOT COVER. IT MAY BE NECESSARY TO PACK DOWN OR REMOVE VEGETATION TO PREVENT THE CREATION OF VOIDS OR BRIDGES WHICH WILL ALLOW BERM WASHOUT AND PASS SEDIMENT LADEN WATER OFFSITE.
- THE EROSION CONTROL BERM SHOULD BE A MINIMUM OF 1 FOOT TALL AND 2 FEET WIDE. ON LONGER OR STEEPER SLOPES, A LARGER BERM MAY BE NECESSARY.

EROSION CONTROL BERM MAINTENANCE:

- EROSION CONTROL BERMS MUST BE REDRESSED AND RESHAPED AS NECESSARY TO ENSURE THAT SEDIMENT DOESN'T ACCUMULATE MORE THAN HALFWAY UP THE BERM FACE.

FILTER SOCKS:

A MANUFACTURED TUBE MADE OF EITHER A SYNTHETIC MATERIAL OR AN ORGANIC FIBER WHICH IS FILLED WITH EROSION CONTROL MIX OR OTHER FINELY SHREDDED ORGANIC MATERIAL SUCH AS COCONUT FIBER. THEY ARE AN EXCELLENT PRACTICE FOR SLOWING RUNOFF ON LONG OPEN SLOPES AND FOR USE AROUND STOCKPILES.

FILTER SOCK INSTALLATION:

- FILTER SOCKS ARE BEST USED FOR SMALL AREAS OF DISTURBANCE, AT THE BASE OF STOCKPILES, ACROSS SLOPE CONTOURS AND ACROSS PAVED AREAS.
- FULL CONTACT WITH THE GROUND IS CRITICAL FOR FILTER SOCKS TO BE EFFECTIVE AND TO PREVENT BYPASS. A TRENCH 2"-3" DEEP SHALL BE DUG ALONG THE PATH OF THE FILTER SOCK, WITH THE EXCEPTION OF INSTALLATIONS ACROSS PAVED AREAS.
- MOST APPLICATIONS WILL REQUIRE STAKING AT 10 FT INTERVALS, WHICH SHOULD HELP KEEP THE FILTER SOCK IN PLACE AND PUSH IT DOWNWARD FOR MAXIMUM CONTACT WITH THE GROUND.

FILTER SOCK MAINTENANCE:

- ACCUMULATED SEDIMENT SHOULD BE REMOVED AND PLACED IN AN UPLAND LOCATION WHEN MATERIAL REACHES HALF OF THE FILTER SOCK HEIGHT.
- FILTER SOCKS CAN BE RESHAPED IF THEY BECOME FLATTENED OR CAKED IN SEDIMENT.

STRAW WATTLES:

STRAW WATTLES ARE SIMILAR TO FILTER SOCKS, BUT WITH LESS DENSITY DUE TO STRAW FILLING MATERIAL. THESE CAN BE USED IN SUCCESSIVE ROWS TO SLOW SHEET FLOW AND COLLECT SEDIMENT ON LONG SLOPES OR AROUND THE BASE OF SOIL STOCKPILES BUT ARE NOT APPROPRIATE FOR APPLICATION ON IMPERVIOUS SURFACES SUCH AS ASPHALT, CONCRETE, OR LEDGE.

STRAW WATTLE INSTALLATION:

- STRAW WATTLES ARE BEST USED FOR SMALL AREAS OF DISTURBANCE, AT THE BASE OF STOCKPILES, AND ACROSS SLOPE CONTOURS.
- FULL CONTACT WITH THE GROUND IS CRITICAL FOR STRAW WATTLES TO BE EFFECTIVE AND TO PREVENT SHORT CIRCUITING. A TRENCH 2"-3" DEEP SHALL BE DUG ALONG THE PATH OF THE WATTLE.
- STRAW WATTLES SHALL BE SECURED WITH 18-24" STAKES EVERY 3-4' AND WITH A STAKE AT EACH END. STAKES SHALL BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE AND PERPENDICULAR TO SLOPE, LEAVING AT LEAST 2-3" OF STAKE EXTENDING ABOVE THE WATTLE. IN LIMITED CASES, WATTLES MAY BE SECURED WITHOUT STAKES BY USE OF SANDBAGS IF STAKING IS NOT FEASIBLE.
- ADJACENT WATTLES SHALL TIGHTLY ABUT OR OVERLAP.

STRAW WATTLE MAINTENANCE:

- ACCUMULATED SEDIMENT SHOULD BE REMOVED AND PLACED IN AN UPLAND LOCATION.
- STRAW WATTLES CAN BE RESHAPED IF THEY BECOME FLATTENED OR CAKED IN SEDIMENT.

8. STORM INLET PROTECTION

PURPOSE:

EXISTING OR NEW STORM INLETS ON CONSTRUCTION SITES CONSTITUTE A SITE PERIMETER AND MUST BE PROTECTED FROM SEDIMENT LADEN RUNOFF. THE PRACTICES BELOW ALLOW STORMWATER TO SETTLE AND FILTER THROUGH THE PRACTICE AND NOT BYPASS THE INLET ENTIRELY.

REQUIREMENTS:

STORMWATER INLETS SHALL BE 4 INCHES ABOVE GRADE OR AN ACCEPTABLE INLET CONTROL/PROTECTION SHOULD BE INSTALLED.

INLET PROTECTION INSTALLATION:

PROPRIETARY INLET PROTECTION:

SHALL PROVIDE FOR STORAGE AND REMOVAL OF SEDIMENT AND BE SIZED APPROPRIATELY FOR THE DRAINAGE AREA, WHILE ALLOWING STORMWATER TO FILTER THROUGH. THESE MAY BE USED IF INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

STONE AND BLOCK INLET PROTECTION:

CONCRETE BLOCKS PLACED AROUND AN INLET WITH A CIRCLE OF FILTERING STONE SLOPED AGAINST THE BLOCKS.

FILTER FABRIC AND STONE INLET PROTECTION:

VERTICAL FILTER FABRIC INSTALLED AROUND DROP INLET WITH STONE AROUND FABRIC FOR STORMWATER FILTERING AND CREATING GROUND CONTACT WITH FILTER FABRIC. ALTERNATIVELY, FABRIC MAY BE BURIED BELOW GROUND.

9. WATER BARS

PURPOSE:

SOME SITES MAY BENEFIT FROM THE USE OF WATER BARS ON THE CONSTRUCTION SITE. WHEN INSTALLED THESE MAY CAPTURE AND REDIRECT RUNOFF TO A STABLE LOW GRADIENT LOCATION. WATER BARS LIMIT THE EROSION VELOCITY OF WATER BY DIVERTING SURFACE RUNOFF AT PRE-DESIGNED INTERVALS.

REQUIREMENTS:

THESE CAN BE CONSTRUCTED PER THE FOLLOWING DETAIL, WITH SIDE SLOPES NO STEEPER THAN 4:1 WHERE VEHICLES CROSS WITH A MINIMUM DESIGN HEIGHT OF 12 INCHES, MEASURED FROM CHANNEL BOTTOM TO RIDGE TOP.

WATER BAR INSTALLATION: WATER BARS SHOULD HAVE STABLE OUTLETS, EITHER NATURAL OR CONSTRUCTED.

10. SLOW DOWN CHANNELIZED RUNOFF

PURPOSE:

STONE CHECK DAMS REDUCE EROSION IN DRAINAGE CHANNELS BY SLOWING DOWN THE STORMWATER FLOW.

REQUIREMENTS:

IF THERE IS A CONCENTRATED FLOW (E.G. IN A DITCH OR CHANNEL) OF STORMWATER ON YOUR SITE, THEN YOU ARE REQUIRED TO INSTALL STONE CHECK DAMS. HAY BALES AND SILT FENCE MUST NOT BE USED AS CHECK DAMS.

CHECK DAM INSTALLATION:

- DEPTH: NO GREATER THAN 2 FEET. CENTER OF DAM SHOULD BE 9 INCHES LOWER THAN THE SIDE ELEVATION
- SIDE SLOPES: 2:1 OR FLATER (SEE P.63 FOR SLOPE CALCULATION)
- STONE SIZE: USE A MIXTURE OF 2 TO 9 INCH STONE; THE LARGER STONE SHOULD ACT AS ARMORING, WHILE THE SMALLER STONE HELPS TO FILTER THE CHANNELIZED RUNOFF. THE SMALL STONE SHOULD BE PLACED PRIMARILY IN THE INTERIOR OF THE CHECK DAM AND THE LARGE STONE SHOULD BE PLACED IN AN ARMORING LAYER ON THE OUTSIDE.
- WIDTH: DAMS SHOULD SPAN THE WIDTH OF THE CHANNEL AND EXTEND UP THE SIDES OF THE BANKS
- SPACING: SPACE THE DAMS SO THAT THE BOTTOM (TOB) OF THE UPSTREAM DAM IS AT THE ELEVATION OF THE TOP (CREST) OF THE DOWNSTREAM DAM. THIS SPACING IS EQUAL TO THE HEIGHT OF THE CHECK DAM DIVIDED BY THE CHANNEL SLOPE.

SPACING (IN FEET) = HEIGHT OF CHECK DAM (IN FEET) SLOPE IN CHANNEL (FT/FT)

CHECK DAM MAINTENANCE:

CORRECT ALL OBSERVED DAMAGE IMMEDIATELY AFTER EVERY RUNOFF EVENT. REMOVE ALL SEDIMENT ACCUMULATED BEHIND THE CHECK DAMS AND DISPOSE OF IN AN UPLAND LOCATION. IF SIGNIFICANT EROSION IS OBSERVED BETWEEN CHECK DAMS, THE CHANNEL SHALL BE STONE LINED.

ROCK OUTLET PROTECTION:

WATERWAYS OR OUTLETS WITH CONCENTRATED STORMWATER RUNOFF SHALL BE STABILIZED WITH RIP RAP. PROPRIETARY STABILIZATION PRODUCT OR PERMANENT MATERIAL. THIS ADDITIONAL STABILIZATION IS APPLICABLE IN AREAS WHERE THE CHANNEL SLOPE AND VELOCITY OR SOIL TYPE REQUIRE ADDITIONAL STABILIZATION. ALL OUTLETS FROM CONCENTRATED STORMWATER FLOWS WILL REQUIRE A STABILIZED BED. STONE SHALL BE SIZED SO IT IS NOT MOBILIZED DURING HIGH FLOWS.

11. SLOPE STABILIZATION

PURPOSE:

SURFACE COVERING DESIGNED TO PROTECT AND STABILIZE AN AREA PRONE TO EROSION WHERE SEEDING AND MULCHING ARE INADEQUATE. GENERALLY SLOPES 3:1 OR GREATER. THE EROSION POTENTIAL MAY BE DUE SOLELY TO SLOPE ANGLE; HOWEVER, A MORE GRADUAL SLOPE AND POOR SOIL STRUCTURE CAN ALSO REQUIRE ADDITIONAL STABILIZATION.

REQUIREMENTS FOR TEMPORARY STABILIZATION:

USE OF ONE OF THE LISTED SLOPE PROTECTION PRACTICES BELOW ON SLOPES 3:1 AND GREATER OR AS NEEDED ON FLATTER SLOPES BASED ON SOIL TYPE.

- **DEPTH:** A LAYER OF STONE DESIGNED TO PROTECT AND STABILIZE AREAS SUBJECT TO EROSION.
- **ROLLED EROSION CONTROL PRODUCT:** A PREFORMED PROTECTIVE BLANKET OF STRAW OR OTHER PLANT RESIDUE, FORMED INTO A MAT, WITH A SUPPORTING MESH FRAMEWORK ON ONE OR BOTH SIDES. THIS MESH CANNOT BE MADE OF A MATERIAL WITH WELDED JOINTS.
- **EROSION CONTROL MATTING:** INSTALL PER MANUFACTURER'S INSTRUCTIONS.
- **IMPORTANT NOTE:** ROLLED EROSION CONTROL PRODUCT (RECP) MATERIALS HAVE THE POTENTIAL TO ENSNARE ANIMALS SUCH AS SNAKES AND BIRDS, WHICH CAN LEAD TO INJURY OR FATALITY. THIS HAS BEEN OBSERVED TO BE MOST PROBLEMATIC IN PRODUCTS WITH A PLASTIC MESH, WHETHER BIODEGRADABLE OR NOT.

12. WINTER CONSTRUCTION REQUIREMENTS OCTOBER 15 - APRIL 15

PURPOSE:

'WINTER CONSTRUCTION' AS DISCUSSED HERE, DESCRIBES THE PERIOD FROM OCTOBER 15 THROUGH APRIL 15, WHEN EROSION PREVENTION AND SEDIMENT CONTROL IS SIGNIFICANTLY MORE DIFFICULT. THERE ARE SPECIFIC REQUIREMENTS FOR SITES THAT CONDUCT EARTH DISTURBANCE DURING THE DEFINED WINTER CONSTRUCTION PERIOD, AND FOR SITES WHERE DISTURBED AREAS HAVE NOT REACHED FINAL STABILIZATION BY OCTOBER 15.

RAINS IN LATE FALL, THAWS THROUGHOUT THE WINTER, AND SPRING MELT AND RAINS CAN PRODUCE SIGNIFICANT FLOODING OVERSLOPES AND SATURATED GROUND, GREATLY INCREASING THE POTENTIAL FOR EROSION. A CONSTRUCTION SITE CAN BE MANAGED TO ANTICIPATE THESE CONDITIONS TO PREVENT EROSION AND THUS MINIMIZE THE RISK TO WATER QUALITY DURING THIS TIME PERIOD.

REQUIREMENTS FOR WINTER SHUTDOWN:

FOR PROJECTS OR AREAS OF A SITE THAT WILL HAVE COMPLETED EARTH DISTURBANCE ACTIVITIES PRIOR TO THE WINTER CONSTRUCTION PERIOD (OCTOBER 15 THROUGH APRIL 15), THE FOLLOWING REQUIREMENTS MUST BE ADHERED TO:

1. FOR AREAS TO BE STABILIZED FOR THE WINTER THROUGH THE ESTABLISHMENT OF VEGETATION, SEEDING AND MULCHING SHALL BE COMPLETED NO LATER THAN SEPTEMBER 15 TO ENSURE ADEQUATE GROWTH AND COVER BEFORE THE START OF THE WINTER PERIOD.
2. IF SEEDING IS NOT COMPLETED BY SEPTEMBER 15, ADDITIONAL NON-VEGETATIVE PROTECTION MUST BE USED TO STABILIZE THE SITE FOR THE WINTER PERIOD. AREAS OF DISTURBANCE NOT SEEDED AND MULCHED BY SEPTEMBER 15 ARE REQUIRED TO TEMPORARILY STABILIZE BY ONE OF THE FOLLOWING METHODS:
 - IMPLEMENT ROLLED EROSION CONTROL PRODUCTS (I.E. MATTING) OVER THE AREAS OF EARTH DISTURBANCE.
 - APPLY A 2" MULCH LAYER TO AREAS OF EARTH DISTURBANCE, EQUIVALENT TO DOUBLE THE STANDARD RATE. MULCH

- SHOULD BE TRACKED IN OPEN AREAS VULNERABLE TO WIND. SEEDING WITH WINTER RYE IS RECOMMENDED TO ALLOW FOR EARLY GERMINATION DURING WET SPRING CONDITIONS.

REQUIREMENTS FOR WINTER CONSTRUCTION

IF CONSTRUCTION ACTIVITIES INVOLVING EARTH DISTURBANCE CONTINUE INTO THE WINTER CONSTRUCTION PERIOD, THE FOLLOWING REQUIREMENTS APPLY:

1. ENLARGED ACCESS POINTS, STABILIZED TO PROVIDE FOR SNOW STOCKPILING.
2. SNOW SHALL BE MANAGED WITH ADEQUATE STORAGE AND CONTROL OF MELTWATER, REQUIRING CLEARED SNOW TO BE STORED DOWN SLOPE OF ALL AREAS OF DISTURBANCE AND OUT OF STORMWATER TREATMENT STRUCTURES.
3. FOR AREAS OF DISTURBANCE WITHIN 100 FT OF A WATERBODY, THE FOLLOWING MUST BE INSTALLED ACROSS THE SLOPE, DOWN GRADIENT OF THE EARTH DISTURBANCE:
 - A COMBINATION OF ONE PRACTICE FROM GROUP A PLACED IN FRONT OF A PRACTICE FROM GROUP B, OR
 - TWO GROUP B PRACTICES, OR
 - A SINGLE ROW OF REINFORCED SILT FENCE
4. DRAINAGE STRUCTURES MUST BE KEPT OPEN AND FREE OF SNOW AND ICE DAMS.
5. SILT FENCE AND OTHER PRACTICES REQUIRING EARTH DISTURBANCE MUST BE INSTALLED AHEAD OF FROZEN GROUND.
6. MULCH USED FOR TEMPORARY STABILIZATION MUST BE APPLIED AT A MINIMUM OF 2 INCHES WITH AN 80-90% COVER.
7. TO ENSURE COVER OF DISTURBED SOIL IN ADVANCE OF A PRECIPITATION OR MELT EVENT, AREAS OF DISTURBED SOIL MUST BE STABILIZED PRIOR TO ANY RUNOFF PRODUCING EVENT. STABILIZATION IS NOT REQUIRED IF THE WORK IS OCCURRING IN A SELF-CONTAINED EXCAVATION (I.E. NO OUTLET) WITH A DEPTH OF 2 FEET OR GREATER (E.G. HOUSE FOUNDATION EXCAVATION, UTILITY TRENCHES), PROVIDED ANY DEWATERING, IF NECESSARY, IS CONDUCTED IN ACCORDANCE WITH PART 13.
8. PRIOR TO STABILIZATION, SNOW OR ICE MUST BE REMOVED TO THE EXTENT PRACTICABLE.
9. USE STONE TO STABILIZE AREAS SUCH AS THE PERIMETER OF BUILDINGS UNDER CONSTRUCTION OR WHERE CONSTRUCTION VEHICLE TRAFFIC IS ANTICIPATED. STONE PATHS SHOULD BE SUFFI CIENT WIDTH TO ACCOMMODATE VEHICLE OR EQUIPMENT TRAFFIC.

13. DEWATERING ACTIVITY'S

PURPOSE:

TO MINIMIZE AND PREVENT DISCHARGES OF SEDIMENT AS A RESULT OF DEWATERING ACTIVITIES. REQUIREMENTS:

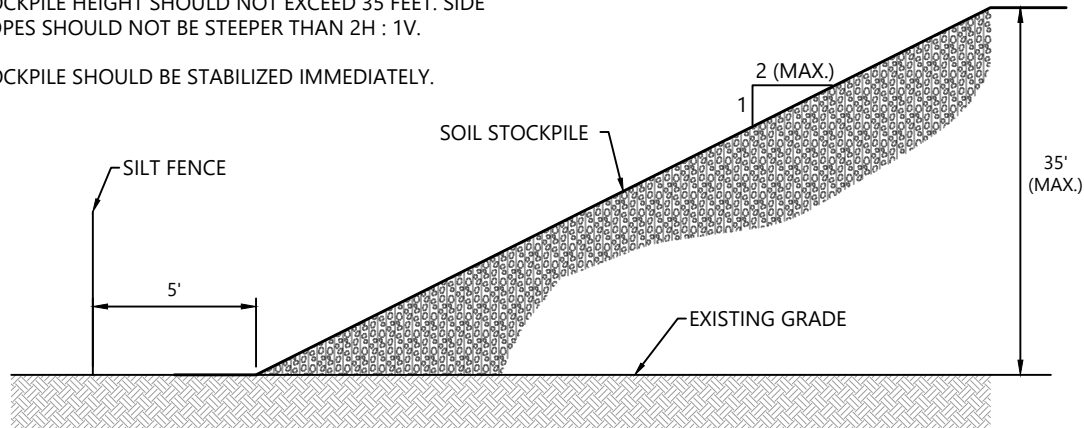
STORMWATER AND GROUNDWATER FROM DEWATERING ACTIVITIES SHALL BE UNCONTAMINATED AND SHALL BE FILTERED OR PASSED THROUGH A SEDIMENT TRAPPING DEVICE, OR BOTH, AND ROUTED IN A MANNER THAT DOES NOT RESULT IN VISUALLY TURBID DISCHARGES TO WATERS. PUMP INTAKE FOR DEWATERING MUST BE AT OR NEAR THE SURFACE OF THE PONDING AREA TO PREVENT DISTURBANCE OF THE SETTLED MATERIAL. VISUALLY TURBID WATER MUST NOT BE PUMPED DIRECTLY TO STORM DRAINS OR OTHER CONVEYANCE THAT LEADS TO WATERS WITHOUT IMPLEMENTING ONE OR MORE OF THE PRACTICES DESCRIBED BELOW.

HOW TO COMPLY:

IMPLEMENT ONE OR MORE OF THE FOLLOWING P

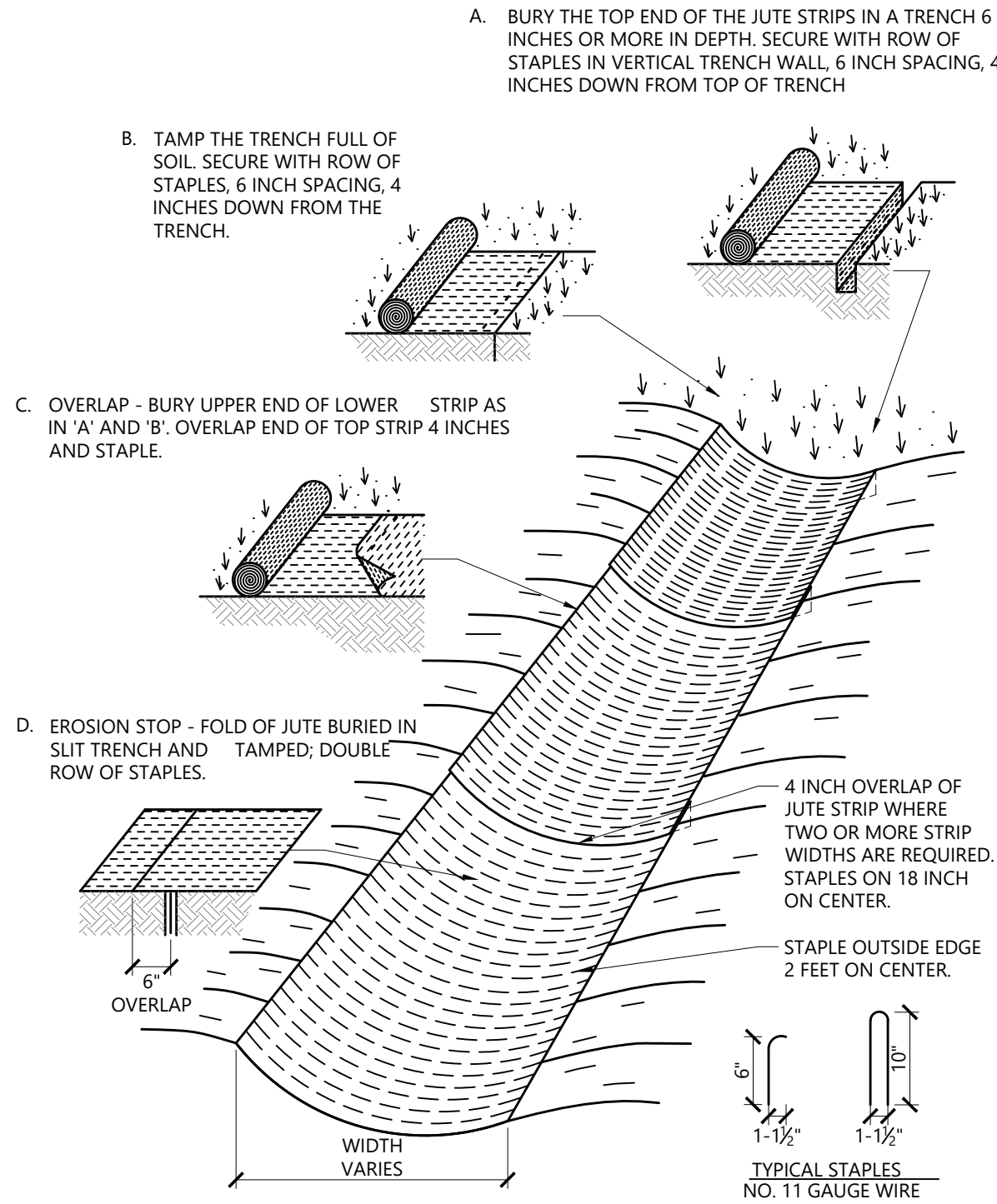
NOTES:

1. INSTALL SILT FENCE AROUND PERIMETER OF STOCKPILE.
2. DO NOT BLOCK NATURAL DRAINAGE PATHS WITH STOCKPILE PLACEMENT.
3. STOCKPILE HEIGHT SHOULD NOT EXCEED 35 FEET. SIDE SLOPES SHOULD NOT BE STEEPER THAN 2H: 1V.
4. STOCKPILE SHOULD BE STABILIZED IMMEDIATELY.



Soil Stockpile and Covering Detail

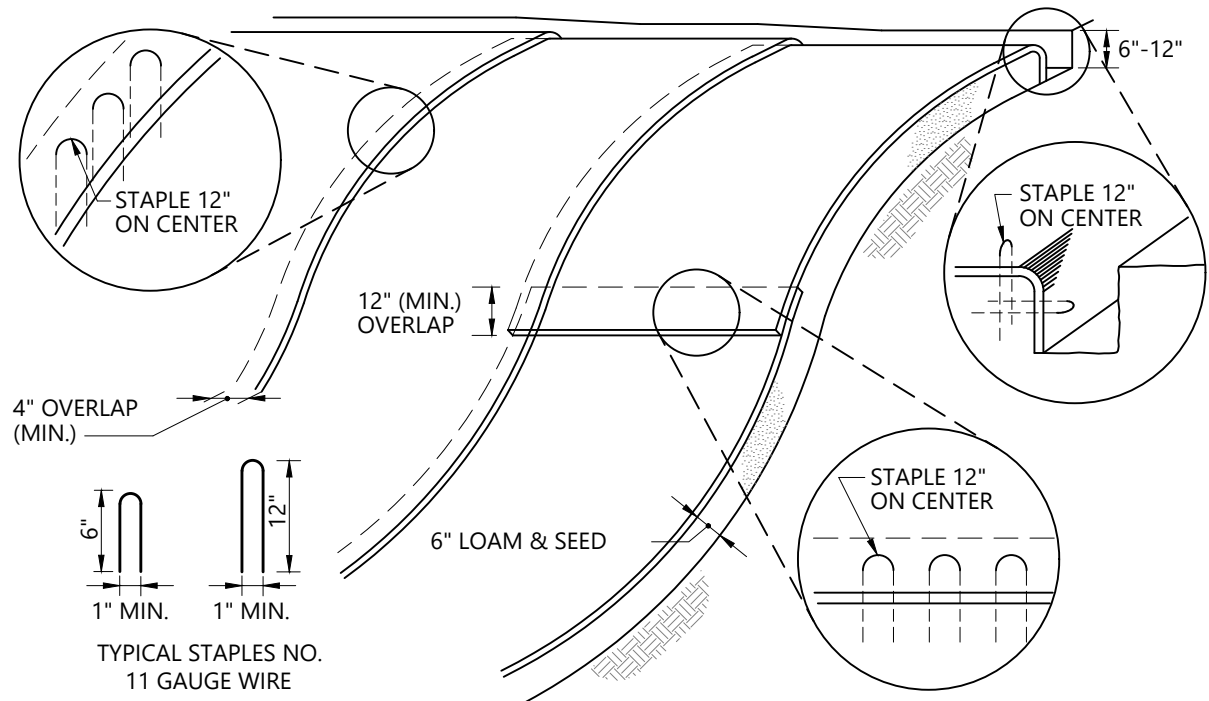
N.T.S. Source: VHB 11/15 LD_699-VT



* INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS

Erosion Control Blanket Swale Installation

N.T.S. Source: VHB 1/16 REV LD_681

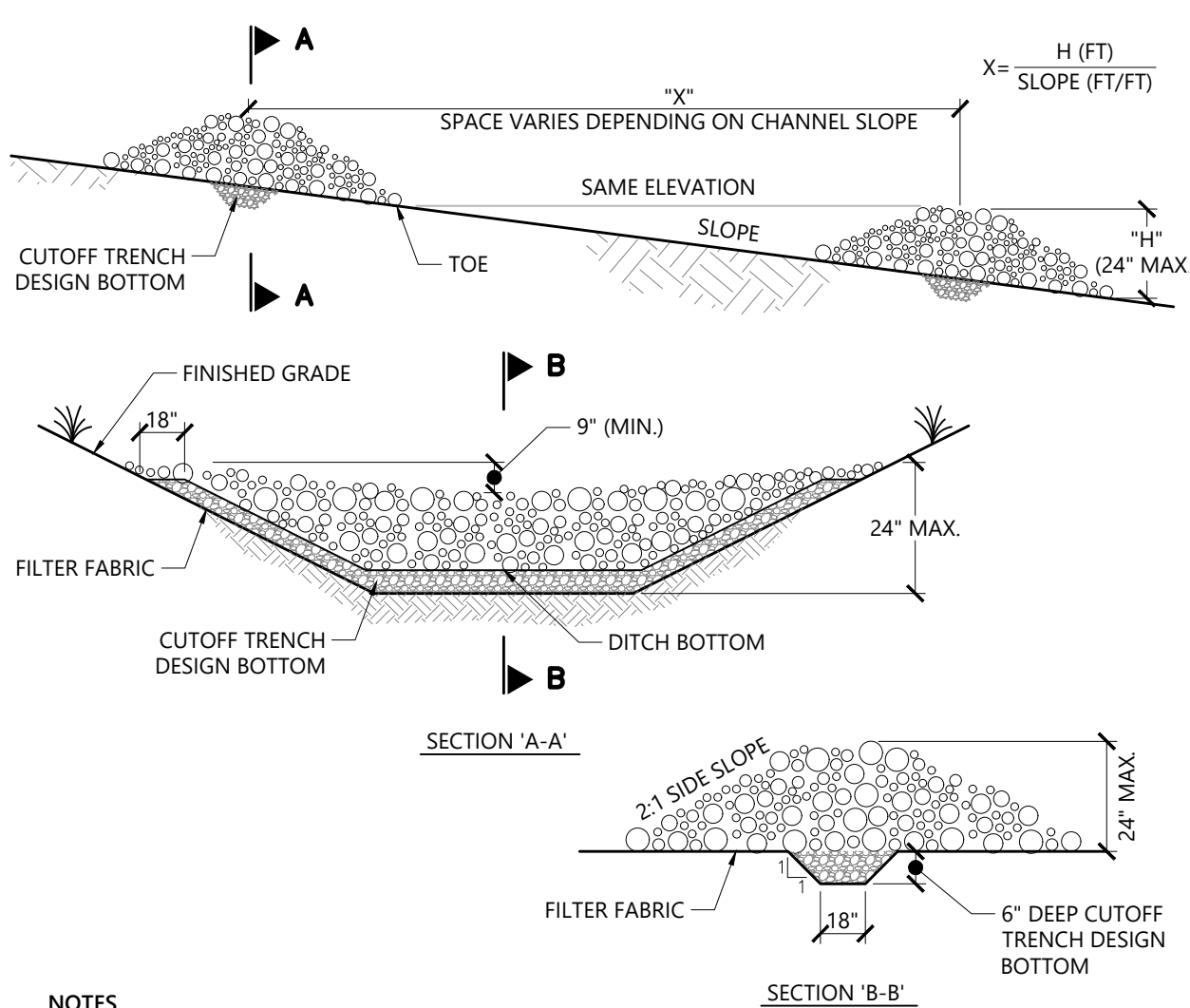


NOTES

1. APPLY TO SLOPES GREATER THAN 3H:1V OR WHERE NECESSARY TO AID IN ESTABLISHING VEGETATION.
2. METHOD OF INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS.
3. APPLY TOP SOIL, FERTILIZER, LIME AND SEED PRIOR TO PLACING MATTING.
4. STAPLES ARE TO BE PLACED ALTERNATELY, IN COLUMNS APPROXIMATELY 2' APART AND IN ROWS APPROXIMATELY 3' APART. APPROXIMATELY 175 STAPLES ARE REQUIRED PER 4'x225' ROLL OF MATERIAL AND 125 STAPLES ARE REQUIRED PER 4'x150' ROLL OF MATERIAL.
5. DISTURBED AREAS SHALL BE SMOOTHLY GRADED. EROSION PREVENTION AND SEDIMENT CONTROL MATERIAL SHALL BE PLACED LOOSELY OVER GROUND SURFACE, DO NOT STRETCH AND ENSURE CLOSE CONTACT WITH THE GROUND SURFACE..
6. ALL TERMINAL ENDS AND TRANSVERSE LAPs SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.
7. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" TO 12" DEEP TRENCH BACKFILL AND COMPACT TRENCH AFTER STAPLING.
8. ROLL THE BLANKET DOWN IN THE DIRECTION OF THE WATER FLOW.
9. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4" OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
10. WHEN BLANKETS MUST BE SPICED, PLACE UPPER BLANKET END OVER LOWER END WITH 12" (MIN.) OVERLAP AND STAPLE BOTH TOGETHER.

Erosion Control Blanket Swale Installation (Slope)

N.T.S. Source: VHB 08/16 LD_703-VT

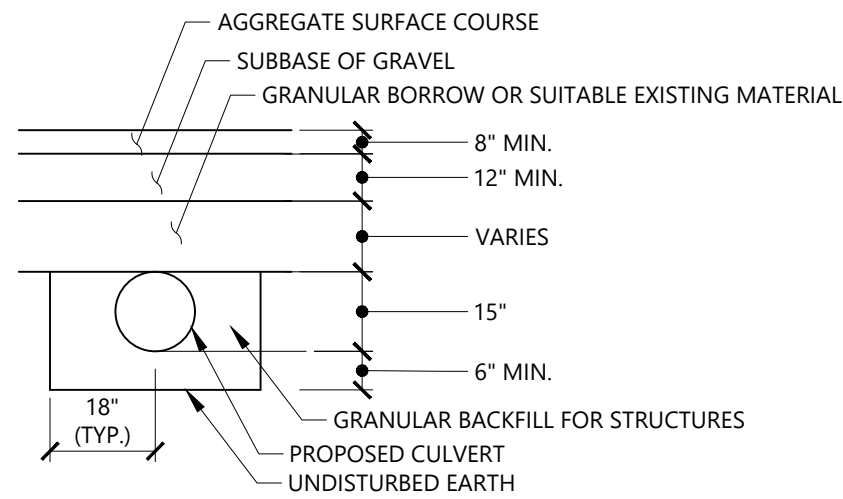


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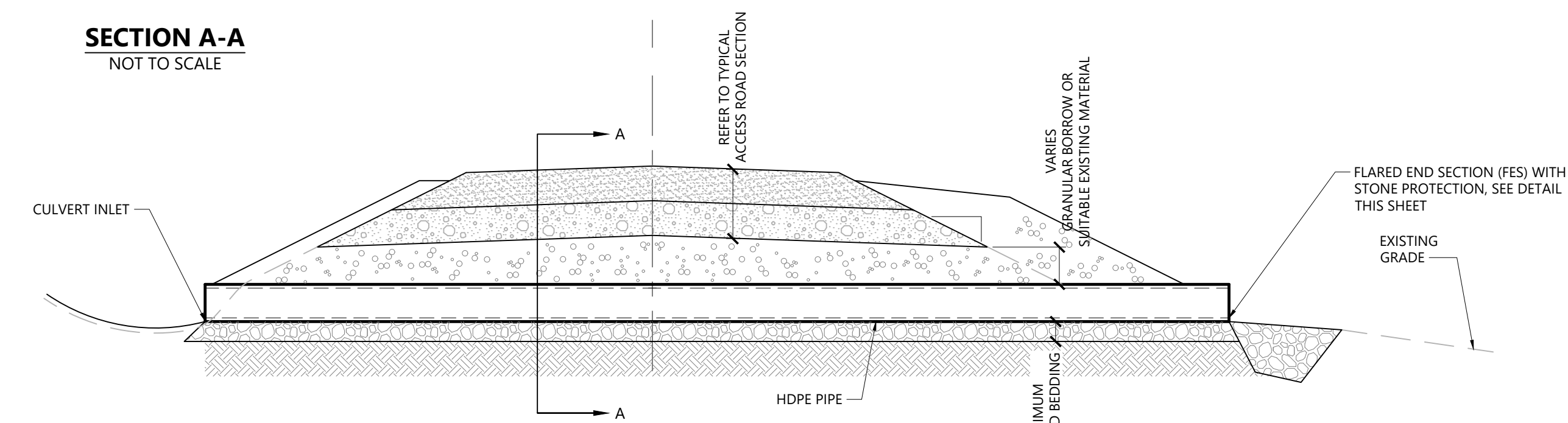
1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN USING A WELL GRADED STONE MATRIX 2 TO 9 INCHES IN SIZE.
2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.
6. MAXIMUM DRAINAGE AREA ABOVE CHECK DAM SHALL NOT EXCEED 2 AC.

Stone Check Dam

N.T.S. Source: VHB 08/16 LD_VT



SECTION A-A
NOT TO SCALE

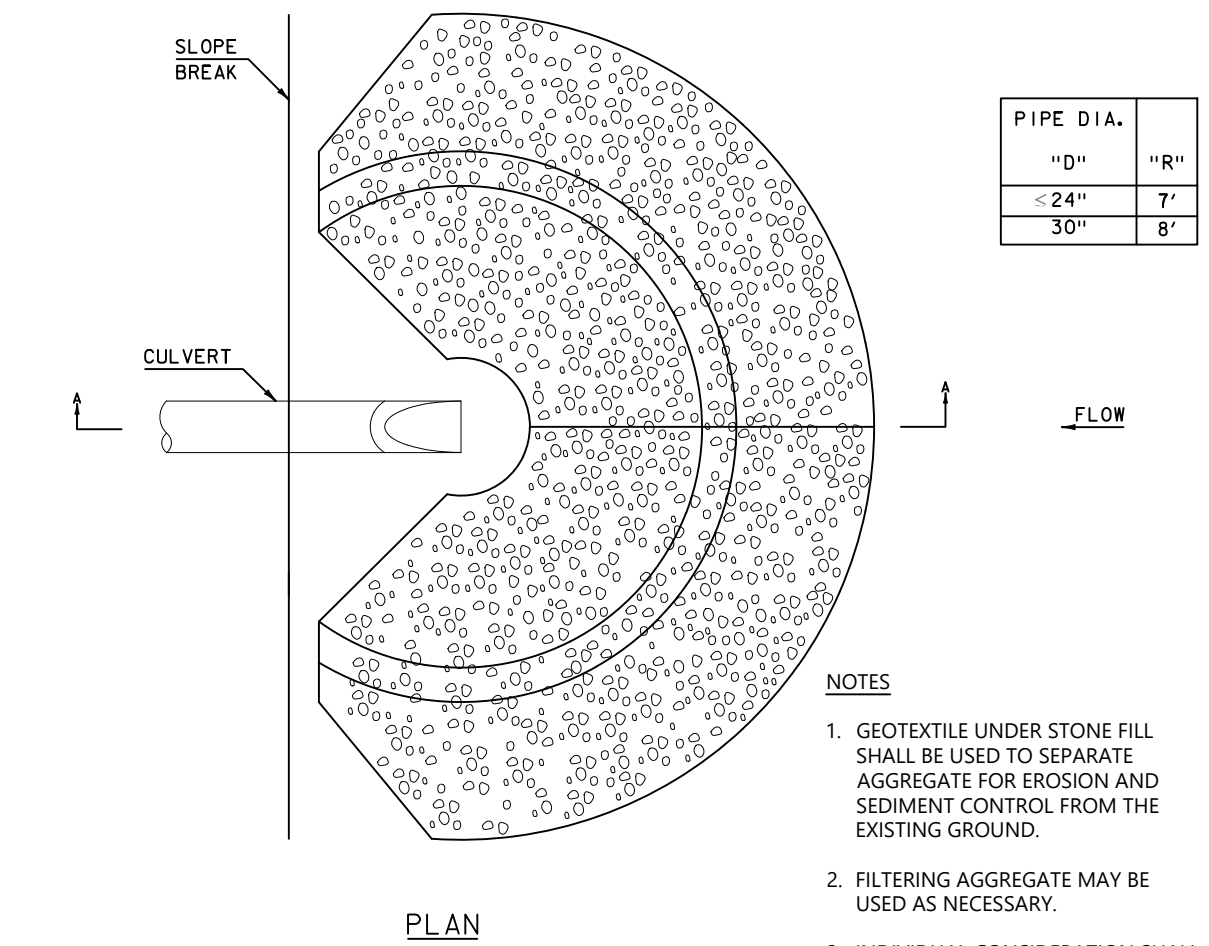


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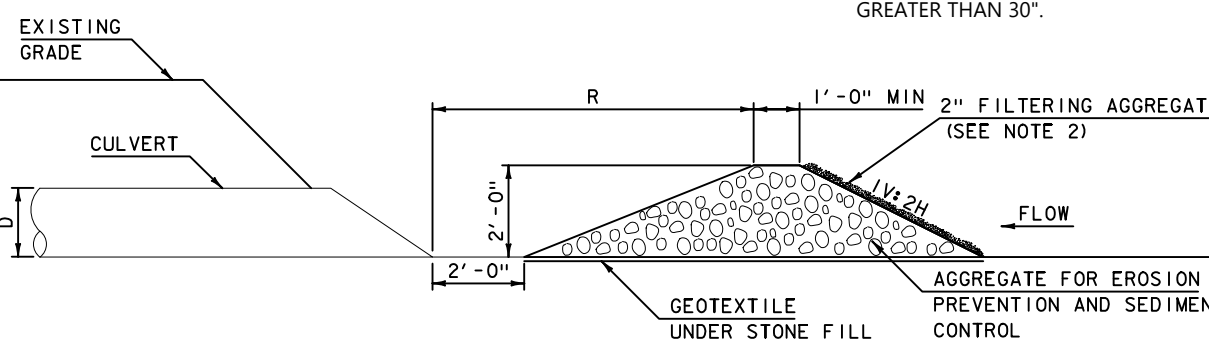
1. SEE SHEET C3.01 PROFILE AND GRADING PLAN FOR SPECIFIC INFORMATION REGARDING INVERTS AND EMBEDMENT DEPTHS

Culvert Installation Detail

N.T.S. Source: VHB 09/19 LD_



PLAN



SECTION A-A

Inlet Protection

N.T.S. Source: VHB / VTrans 03/21 LD_VT

POST-CONSTRUCTION SOIL DEPTH AND QUALITY REQUIREMENTS

THESE REQUIREMENTS APPLY TO ALL DISTURBED AREAS WITHIN THE LIMITS OF THE SITE WHICH ARE NOT COVERED BY AN IMPERVIOUS SURFACE, INCORPORATED INTO A STRUCTURAL STORMWATER TREATMENT PRACTICE, OR ENGINEERED AS STRUCTURAL FILL ONCE DEVELOPMENT IS COMPLETE AND HAVE FINISHED GRADE SLOPES LESS THAN 3:1. AREAS SUBJECT TO THIS REQUIREMENT HAVE BEEN DEPICTED APPROXIMATELY, HOWEVER ALL AREAS MEETING THE CRITERIA ABOVE SHALL MEET THESE REQUIREMENTS. ANY AREAS WHICH ARE INCIDENTALLY DISTURBED OR COMPACTED DURING CONSTRUCTION SHALL ALSO BE SUBJECT TO THESE REQUIREMENTS. A DENSE AND VIGOROUS VEGETATIVE COVER SHALL BE ESTABLISHED OVER TURF AREAS.

AS AN ALTERNATIVE TO LEAVING EXISTING TOPSOIL IN PLACE WITHOUT DISTURBING OR COMPACTING IT, THERE ARE THREE METHODS THAT MAY BE USED TO SATISFY THESE REQUIREMENTS.

1. AMEND EXISTING TOPSOIL IN PLACE

- a. SCARIFY OR TILL SUBSOILS TO 4 INCHES OF DEPTH OR TO THE DEPTH NEEDED TO ACHIEVE A TOTAL DEPTH OF 8 INCHES OF UNCOMPACTED SOIL AFTER A CALCULATED AMOUNT OF AMENDMENT IS ADDED.
- b. AMEND THE SOIL TO MEET THE ORGANIC CONTENT REQUIREMENTS. ORGANIC MATERIAL MAY BE PLACED AT A PRE-APPROVED RATE OF 1 INCH WITH AN ORGANIC MATTER CONTENT OF 40-65% AND ROTOTILLED INTO 3 INCHES OF TOPSOIL OR AT A CALCULATED RATE ROTOTILLED INTO A DEPTH OF SOIL NEEDED TO ACHIEVE 4 INCHES OF SETTLED TOPSOIL AT 4% ORGANIC CONTENT.
- c. IF COMPOST IS USED, IT SHALL HAVE A C:N RATIO BELOW 25:1 AND SHALL MEET THE CONTAMINANT STANDARDS IN THE VERMONT SOLID WASTE MANAGEMENT RULE.

2. REMOVE AND STOCKPILE EXISTING TOPSOIL DURING GRADING

- a. TOPSOIL SHOULD BE STOCKPILED ON SITE IN A CONTROLLED AREA AT LEAST 50 FEET FROM SURFACE WATERS, WETLANDS, FLOODPLAINS, OR OTHER CRITICAL RESOURCE AREAS.
- b. SCARIFY OR TILL SUBGRADE TO A DEPTH OF 4 INCHES, EXCEPT FOR WITHIN THE DRIP LINE OF EXISTING TREES, THE ENTIRE SURFACE SHALL BE DISTURBED BY SCARIFICATION.
- c. STOCKPILED TOPSOIL SHALL ALSO BE AMENDED, IF NEEDED, TO MEET THE ORGANIC CONTENT REQUIREMENTS IDENTIFIED ABOVE.
- d. REPLACE STOCKPILED TOPSOIL PRIOR TO PLANTING AND RAKE TO LEVEL, REMOVING ANY SURFACE ROCKS LARGER THAN 2 INCHES IN DIAMETER.
- e. WATER OR ROLL SOILS IN TURF AREAS TO 85% OF MAXIMUM DRY DENSITY.

3. IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH

- a. SCARIFY OR TILL SUBGRADE TO A DEPTH OF 4 INCHES. EXCEPT FOR WITHIN THE DRIP LINE OF EXISTING TREES, THE ENTIRE SURFACE SHALL BE DISTURBED BY SCARIFICATION.
- b. PLACE 4 INCHES OF IMPORTED TOPSOIL MIX THAT CONTAINS 4% ORGANIC MATTER. SOILS USED IN THE MIX SHALL BE SAND OR SANDY LOAM AS DEFINED BY THE USDA.
- c. RAKE TO LEVEL, REMOVING ANY SURFACE ROCKS GREATER THAN 2 INCHES IN DIAMETER.
- d. WATER OR ROLL SOIL IN TURF AREAS TO 85% OF MAXIMUM DRY DENSITY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND EXECUTING A PLAN FOR VERIFYING THAT THESE AREAS HAVE MET THIS STANDARD. THIS PLAN SHOULD INCLUDE A MINIMUM OF 9 TEST HOLES PER ACRE OF AREA SUBJECT TO THIS STANDARD. THESE TEST HOLES SHALL BE EXCAVATED TO 8 INCHES USING ONLY A SHOVEL DRIVEN SOLELY BY THE WEIGHT OF THE INSPECTOR AND SHALL BE A MINIMUM OF 50 FEET APART.

ER Dunsmore, LLC

2642 Dunsmore Rd.
St. Albans, VT

No.	Revision	Date	Apprd.

Designed by	PLU	Checked by	SMW
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April 29, 2025

Not Approved for Construction

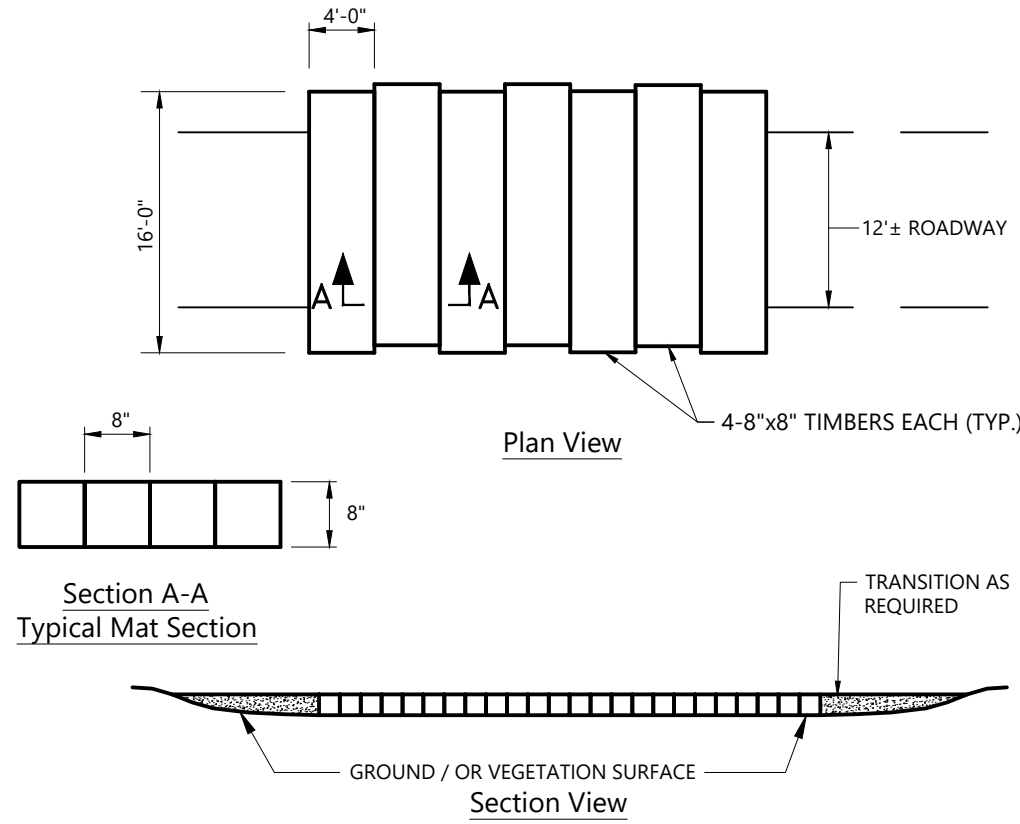
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Site Details (5 of 6)

Drawing Number

C6.05

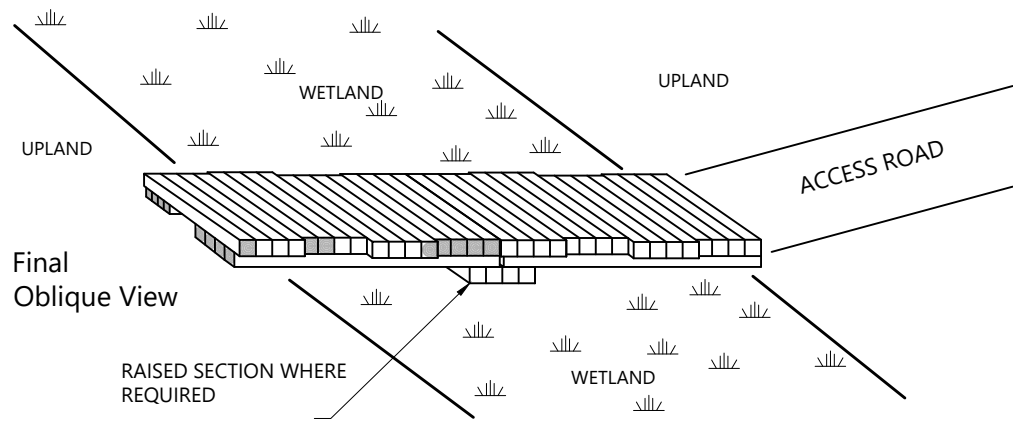
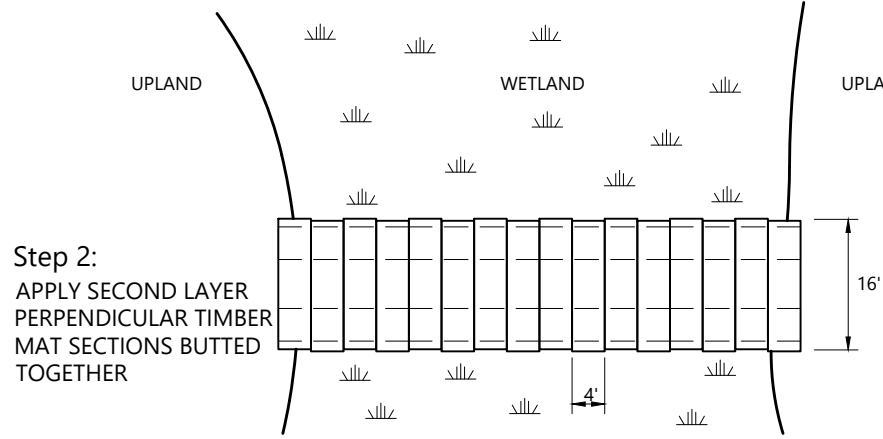
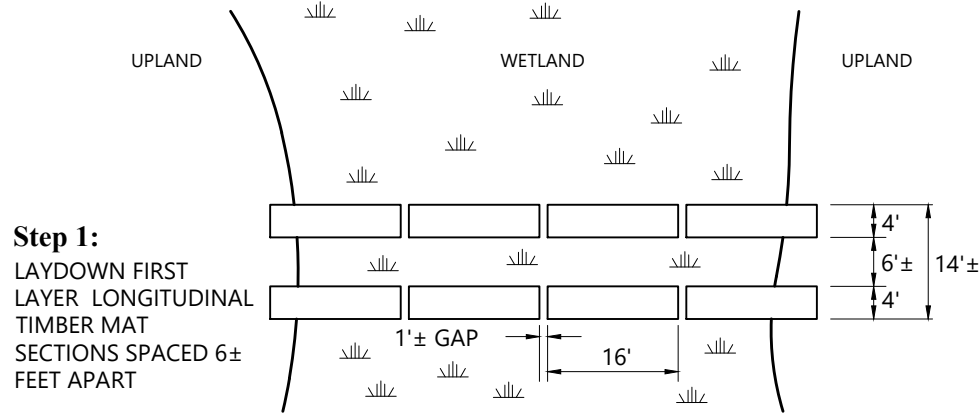
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Project Number
57818.02-5300



NOTES

1. TO BE INSTALLED WHERE NECESSARY IN WETLAND FOR ACCESS FOR CONSTRUCTION. ALTERNATIVE CONSTRUCTION MATTING MAY BE SUBSTITUTED FOR TIMBER MATTING.
2. PREPARATION FOR INSTALLATION OF TIMBER MATS WILL CONSIST OF CUTTING TALL WOODY SPECIES AND TRIMMING SHRUBS IF CONDITIONS REQUIRE. VEGETATION ROOT MASS IS TO REMAIN UNDISTURBED. MATS TO BE PLACED TO MAINTAIN NATURAL SOIL CONTOURS/CONDITIONS.
3. TIMBER SECTIONS TO BE SECURED TOGETHER WITH NO SPACES BY BOLTS, NAILS, STRAPS OR OTHER APPROPRIATE METHODS.
4. TIMBER MATS TO BE REMOVED UPON COMPLETION OF PROJECT AND AREA RESTORED TO NEAR ORIGINAL CONDITIONS PER EPSC PLANS
5. SNOW/ICE REMOVAL BY MECHANICAL METHODS; NO DEICING SALT OR CHEMICALS TO BE USED. LIGHT APPLICATION OF SAND FOR TRACTION ACCEPTABLE SO AS RESIDUE DOES NOT ACCUMULATE IN WETLAND.



Construction Matting - Timber Mat Typ.

N.T.S.

Source: VHB

12/12

LD_

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2642 Dunsmore Rd.
St. Albans, VT

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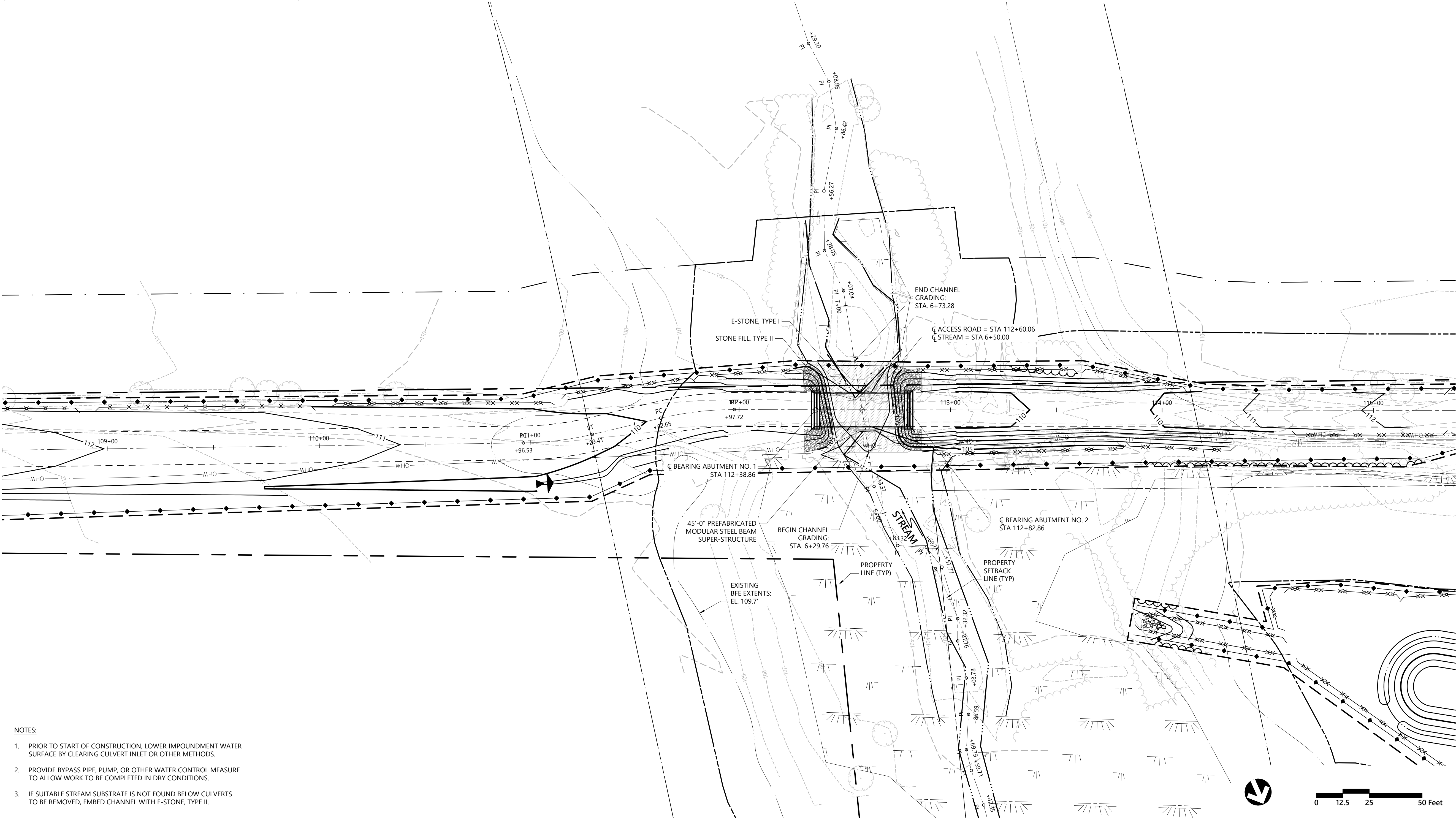
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Drawing Number

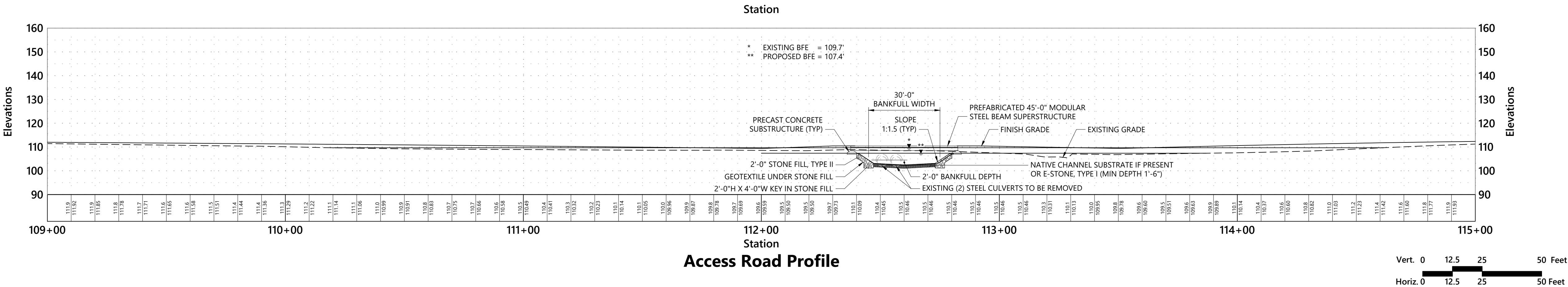
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57818.02-5300



- NOTES:
1. PRIOR TO START OF CONSTRUCTION, LOWER IMPOUNDMENT WATER SURFACE BY CLEARING CULVERT INLET OR OTHER METHODS.
 2. PROVIDE BYPASS PIPE, PUMP, OR OTHER WATER CONTROL MEASURE TO ALLOW WORK TO BE COMPLETED IN DRY CONDITIONS.
 3. IF SUITABLE STREAM SUBSTRATE IS NOT FOUND BELOW CULVERTS TO BE REMOVED, EMBED CHANNEL WITH E-STONE, TYPE II.



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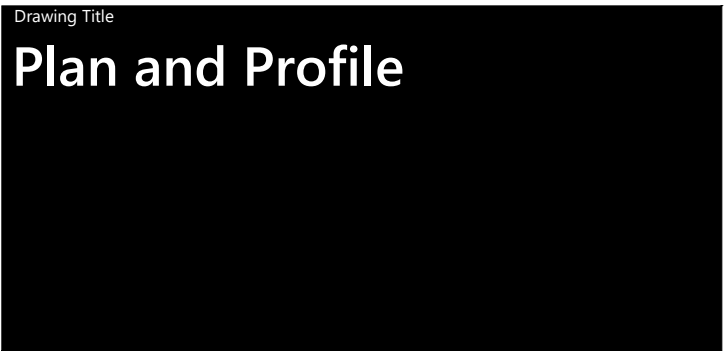
2642 Dunsmore Rd.
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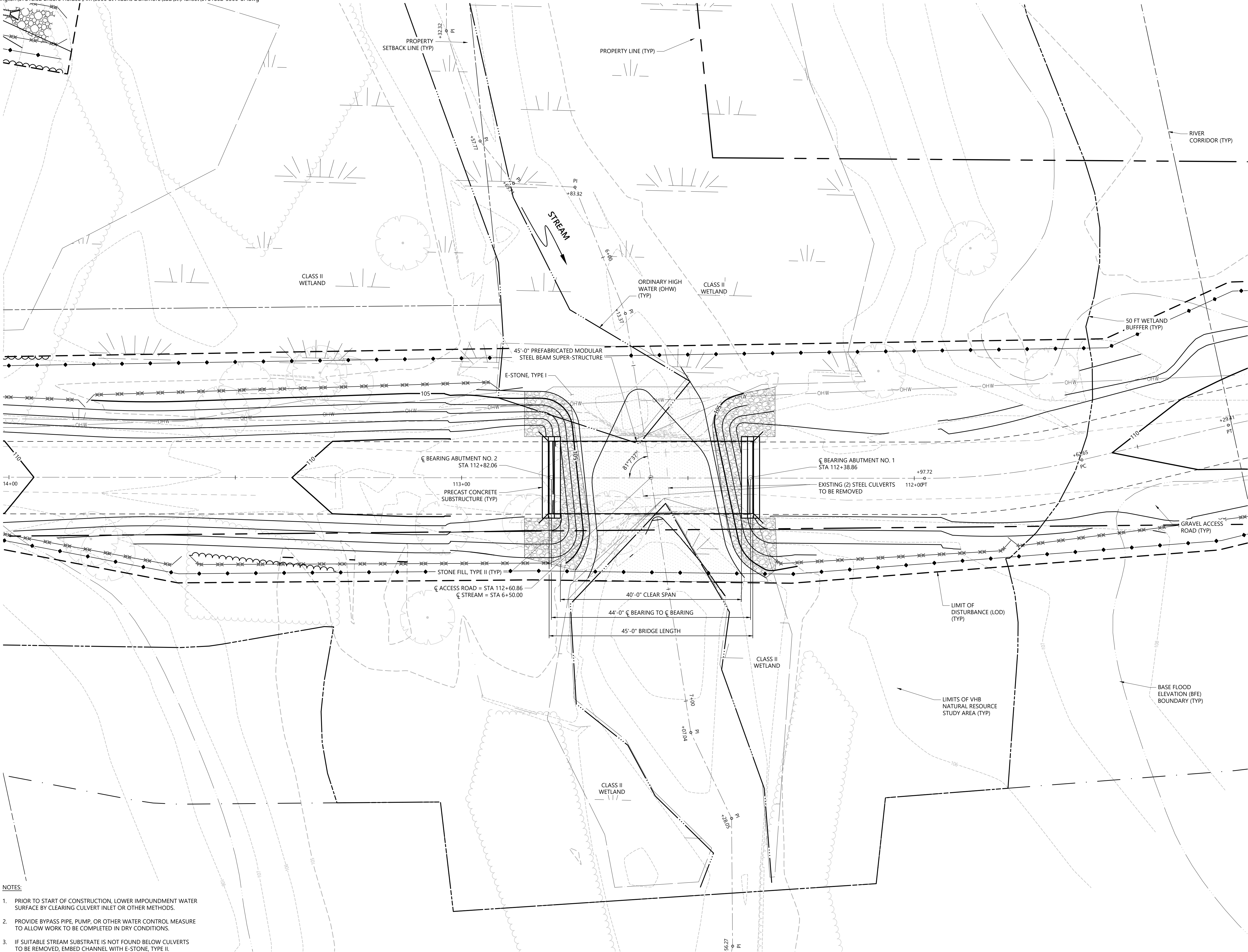


Drawing Number

SP-2

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Project Number
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- NOTES:
1. PRIOR TO START OF CONSTRUCTION, LOWER IMPOUNDMENT WATER SURFACE BY CLEARING CULVERT INLET OR OTHER METHODS.
 2. PROVIDE BYPASS PIPE, PUMP, OR OTHER WATER CONTROL MEASURE TO ALLOW WORK TO BE COMPLETED IN DRY CONDITIONS.
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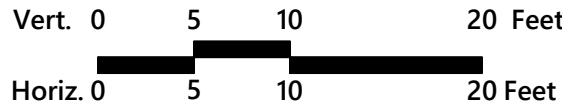
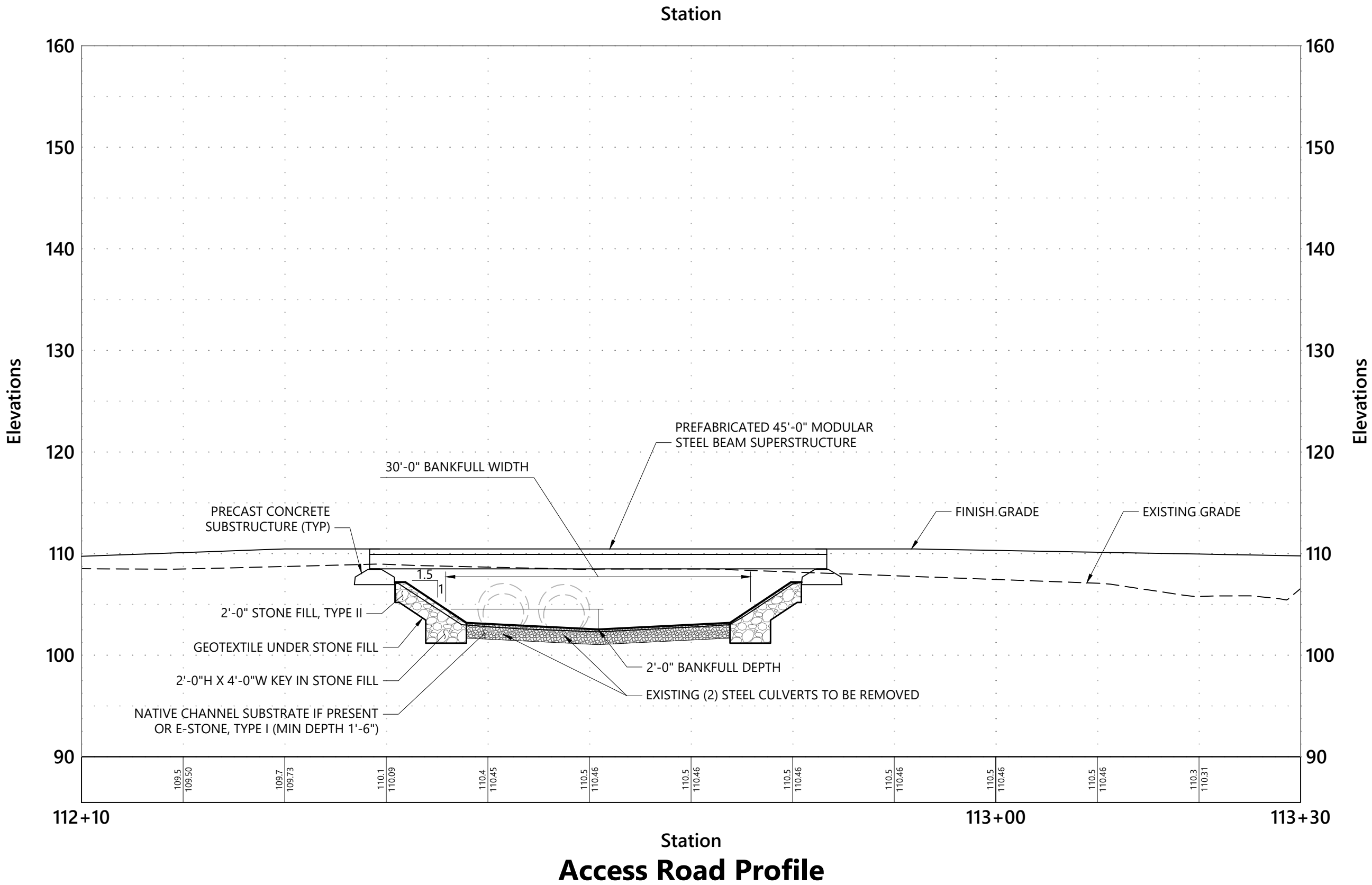
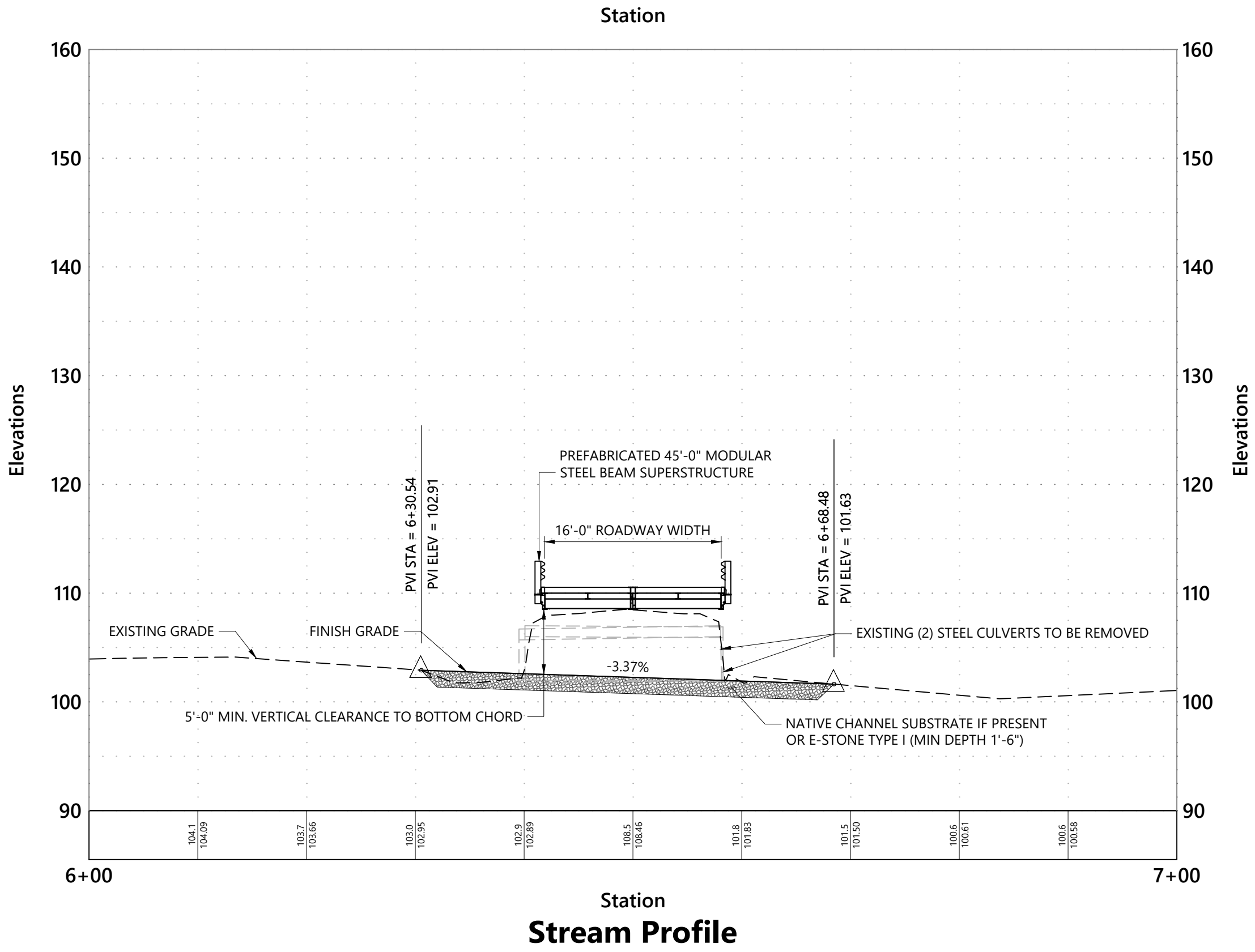
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Drawing Title

Site Plan



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Drawing Title
Profiles

Drawing Number

PR-1

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Project Number
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