

R. O. W. PLANS

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STATE OF VERMONT  
AGENCY OF TRANSPORTATION

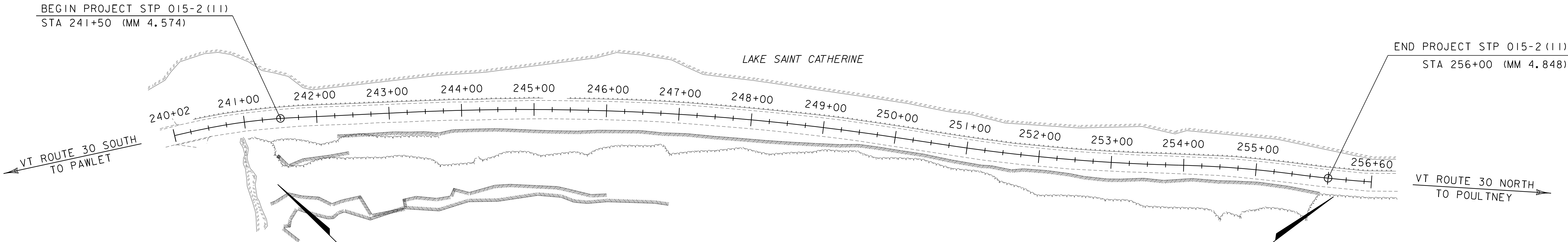
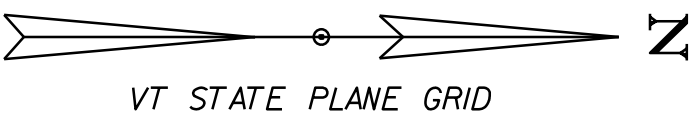
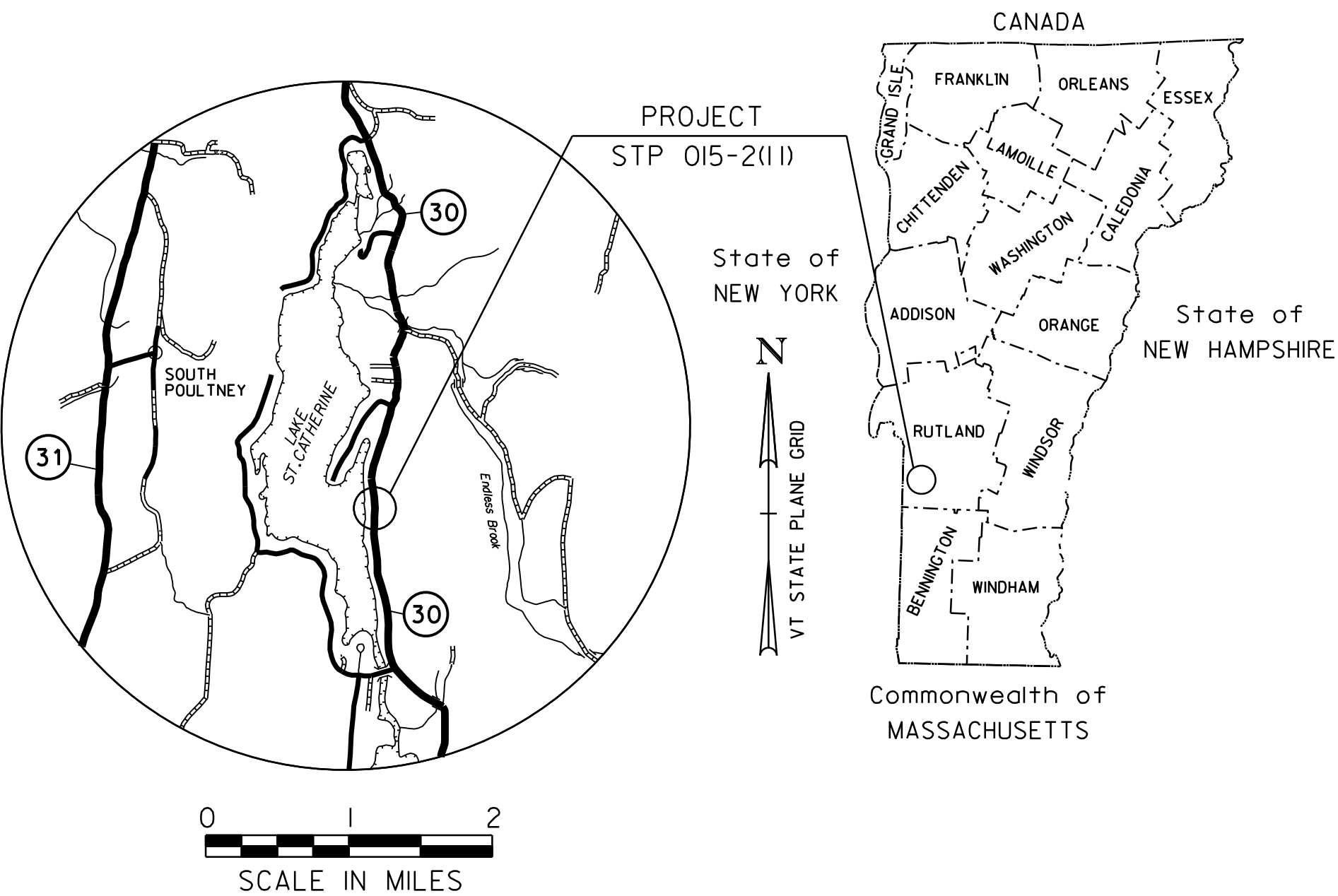


PROPOSED IMPROVEMENT  
TOWN OF WELLS  
COUNTY OF RUTLAND  
VT ROUTE 30 (MINOR ARTERIAL)

BEGINNING IN THE TOWN OF WELLS ON VT ROUTE 30 AT STA 241+50.00 (MM 4.574) AND  
EXTENDING NORTHERLY APPROXIMATELY 1450 FT (0.275 MILES) TO STA 256+00.00 (MM 4.848).

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES INSTALLATION OF A WIRE  
MESH REINFORCEMENT SLOPE PROTECTION SYSTEM, INSTALLATION OF ROCK DOWELS,  
HAND SCALING WITH VEGETATION REMOVAL, AND OTHER HIGHWAY RELATED ITEMS.

LENGTH OF ROADWAY = 1450.00 FT = 0.275 MILES  
LENGTH OF R.O.W. = 1471.00 FT = 0.279 MILES



CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE  
WITH THESE PLANS AND THE STANDARD SPECIFICATIONS  
FOR CONSTRUCTION DATED 2018, AS APPROVED BY THE  
FEDERAL HIGHWAY ADMINISTRATION ON APRIL 13, 2018  
FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT  
REVISIONS AND SUCH REVISED SPECIFICATIONS AND  
SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE  
PLANS.

**BEGIN R.O.W. PROJECT  
WELLS STP 015-2(11)  
STA. 241+39, 90.69' RT**

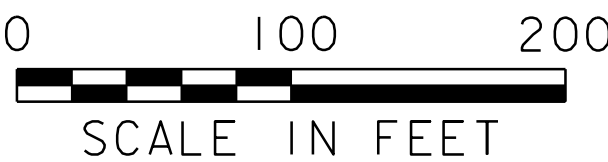
**END R.O.W. PROJECT  
WELLS STP 015-2(11)  
STA. 256+10, 24.79' RT**

QUALITY ASSURANCE PROGRAM : LEVEL II

SURVEYED BY : VAOT - R. GILMAN  
SURVEYED DATE : 8-21-2017

DATUM  
VERTICAL NAVD 88  
HORIZONTAL NAD 83 (2007)

ALL DRIVES AS INDICATED ON PLANS  
ARE SUBJECT TO PERMITS PURSUANT  
TO TITLE 19 V.S.A. § 1111.



RIGHT OF WAY LAND SURVEY MANAGER

APPROVED \_\_\_\_\_ DATE \_\_\_\_\_

PROJECT MANAGER : B. MARTIN, P.E.

PROJECT NAME : WELLS  
PROJECT NUMBER : STP 015-2 (11)

SHEET 1 OF 11 SHEETS

SYMBOL OGY LEGEND NOTE

## R. O. W. ABBREVIATIONS (CODES) & SYMBOLS

■	BNDNS	BOUND SET
▣	BNDNS	BOUND TO BE SET
⊙	IPNF	IRON PIN FOUND
●	IPNS	IRON PIN TO BE SET
⊠	CALC	EXISTING ROW POINT
○	PROW	PROPOSED ROW POINT
[LENGTH]		LENGTH CARRIED ON NEXT SHEET

POINT	CODE	DESCRIPTION
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THESE ARE COMMON VAOT SURVEY POINT SYMBOLS FOR EXISTING FEATURES, ALSO USED FOR PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROPOSED ANNOTATION.

CODE	DESCRIPTION
------	-------------

PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
CC	CENTER OF CURVE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POB	POINT OF BEGINNING
POE	POINT OF ENDING
STA	STATION PREFIX
AH	AHEAD STATION SUFFIX
BK	BACK STATION SUFFIX
D	CURVE DEGREE OF (100FT)
R	CURVE RADIUS OF
T	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANCE
CB	CHORD BEARING

## UNDERGROUND UTILITIES

## UNDERGROUND UTILITIES

—	UGU	—	.	.	.	.	.	UTILITY (GENERIC-UNKNOWN)
—	UT	—	.	.	.	.	.	TELEPHONE
—	UE	—	.	.	.	.	.	ELECTRIC
—	UC	—	.	.	.	.	.	CABLE (TV)
—	UEC	—	.	.	.	.	.	ELECTRIC+CABLE
—	UET	—	.	.	.	.	.	ELECTRIC+TELEPHONE
—	UCT	—	.	.	.	.	.	CABLE+TELEPHONE
—	UECT	—	.	.	.	.	.	ELECTRIC+CABLE+TELEPHONE
—	G	—	.	.	.	.	.	GAS LINE
—	W	—	.	.	.	.	.	WATER LINE
—	S	—	.	.	.	.	.	SANITARY SEWER (SEPTIC)












— AGU — . . — . . — UTILITY (GENERIC-UNKNOWN)

—	AGU	—	.	.	.	.	.	UTILITY (GENERIC-UNKNOWN)
—	T	—	.	.	.	.	.	TELEPHONE
—	E	—	.	.	.	.	.	ELECTRIC
—	C	—	.	.	.	.	.	CABLE (TV)
—	EC	—	.	.	.	.	.	ELECTRIC+CABLE
—	ET	—	.	.	.	.	.	ELECTRIC+TELEPHONE
—	AER E&T	—	.	.	.	.	.	ELECTRIC+TELEPHONE
—	CT	—	.	.	.	.	.	CABLE+TELEPHONE
—	ECT	—	.	.	.	.	.	ELECTRIC+CABLE+TELEPHONE
—	. . . . .	—	.	.	.	.	.	UTILITY POLE GUY WIRE








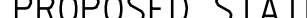

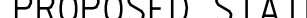









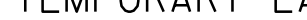


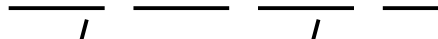
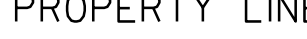








## PROJECT DESIGN & LAYOUT SYMBOLOLOGY

— - - CZ — - - CLEAR ZONE  
 \_\_\_\_\_ PLAN LAYOUT MATCHLINE







△ — △ — △ — △ TOP OF CUT SLOPE

	TOP OF CUT SLOPE
	TOE OF FILL SLOPE
	STONE FILL
	BOTTOM OF DITCH ☿
	CULVERT PROPOSED
	STRUCTURE SUBSURFACE
	PROJECT DEMARCATION FENCE
	BARRIER FENCE
	TREE PROTECTION ZONE (TPZ)
	STRIPING LINE REMOVAL
	SHEET PILES

BOUNDARY LINES

	TOWN LINE		TOWN BOUNDARY LINE
	COUNTY LINE		COUNTY BOUNDARY LINE
	STATE LINE		STATE BOUNDARY LINE
			PROPOSED STATE R.O.W. (LIMITED ACCESS)
			PROPOSED STATE R.O.W.
			STATE ROW (LIMITED ACCESS)
			STATE ROW
			TOWN ROW
			PERMANENT EASEMENT LINE (P)
			TEMPORARY EASEMENT LINE (T)
			SURVEY LINE
			PROPERTY LINE (P/L)
			SLOPE RIGHTS
			6F PROPERTY BOUNDARY
			4F PROPERTY BOUNDARY
			HAZARDOUS WASTE

## EPSC MEASURES

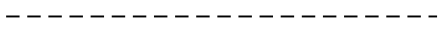



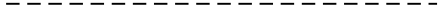




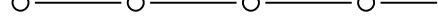




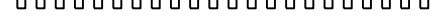




	FILTER CURTAIN
	SILT FENCE
	SILT FENCE WOVEN WIRE
	CHECK DAM
	DISTURBED AREAS REQUIRING RE-VEGETATION
	EROSION MATTING

ENVIRONMENTAL RESOURCES

	WETLAND BOUNDARY
	RIPARIAN BUFFER ZONE
	WETLAND BUFFER ZONE
	SOIL TYPE BOUNDARY
	THREATENED & ENDANGERED SPECIES
	HAZARDOUS WASTE AREA
	AGRICULTURAL LAND
	FISH & WILDLIFE HABITAT
	FLOOD PLAIN
	ORDINARY HIGH WATER (OHW)
	STORM WATER
	USDA FOREST SERVICE LANDS
	WILDLIFE HABITAT SUIT/CONN

——— ARCH ———	ARCHEOLOGICAL BOUNDARY
—— HISTORIC DIST ———	HISTORIC DISTRICT BOUNDARY
—— HISTORIC ———	HISTORIC AREA
(H)	HISTORIC STRUCTURE

## EXISTING FEATURES

	ROAD EDGE PAVEMENT
	ROAD EDGE GRAVEL
	DRIVEWAY EDGE
	DITCH
	FOUNDATION
	FENCE (EXISTING)
	FENCE WOOD POST
	FENCE STEEL POST
	GARDEN
	ROAD GUARDRAIL
	RAILROAD TRACKS
	CULVERT (EXISTING)
	STONE WALL
	WALL
	WOOD LINE
	BRUSH LINE
	HEDGE
	BODY OF WATER EDGE
	LEDGE EXPOSED

PROJECT NAME: WELLS	
PROJECT NUMBER: STP 015-2(II)	
FILE NAME: r17d041legend.dgn	PLOT DATE: 10-OCT-2022
PROJECT LEADER: B. MARTIN	DRAWN BY: M. LONGSTREET
DESIGNED BY: M. LONGSTREET	CHECKED BY: M. LONGSTREET
CONVENTIONAL SYMBOLOGY LEGEND SHEET	SHEET 2 OF 11

# RIGHT - OF - WAY DETAIL SHEET

[illegible][illegible]

PROJECT NAME:	WELLS
PROJECT NUMBER:	STP 015-2(II)

FILE NAME: r17d04Ide+oil.dgn	PLOT DATE: 10-OCT-2022
PROJECT LEADER: B. MARTIN	DRAWN BY: M. TROTTIER
DESIGNED BY: F. BORCH	CHECKED BY: A. PROULX
R.O.W. DETAIL SHEET	SHEET 3 OF 11

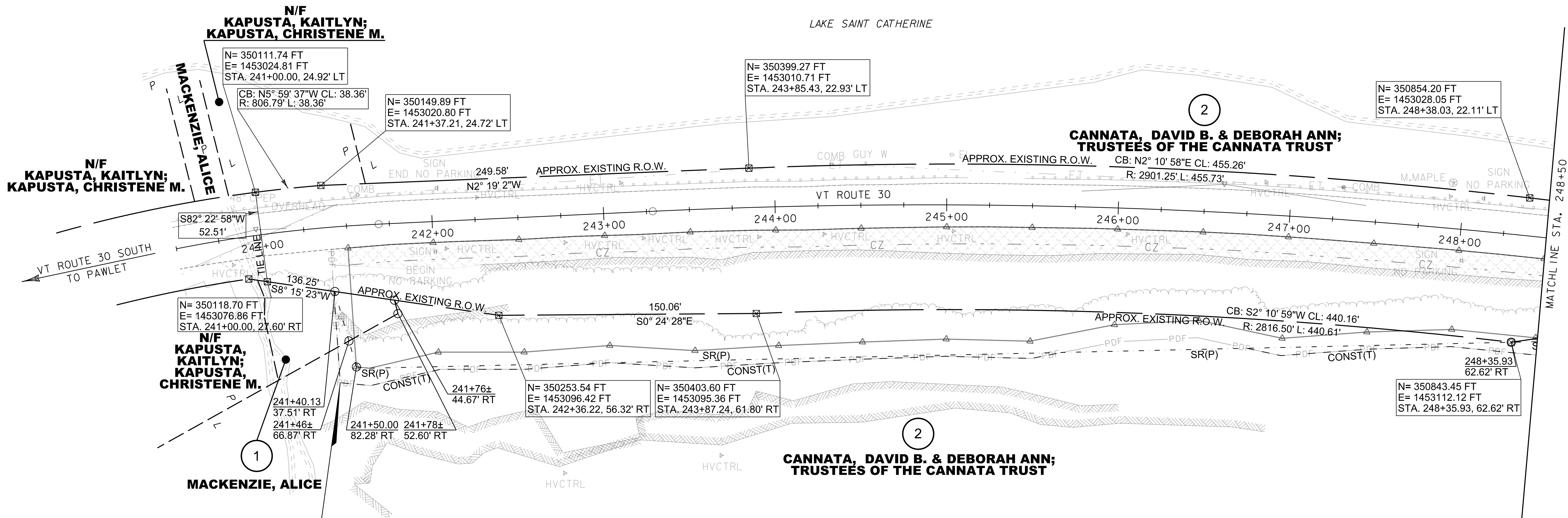
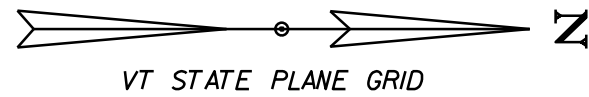
CLEARING & GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS  
STA. 241+50 - STA. 248+50 RT

COMMON EXCAVATION  
STA. 241+50 - STA 248+50 RT

REMOVING SIGNS  
STA. 242+00 RT  
STA. 248+03 RT

RESETTING SIGNS  
STA. 242+00 RT  
STA. 248+03 RT

SPECIAL PROVISION (HAND SCALING WITH VEGETATION REMOVAL)  
STA. 241+50 - STA 248+50 RT



**BEGIN R.O.W. PROJECT  
WELLS STP 015-2(11)  
STA. 241+39, 90.69' RT**

LINES SHOWN ON THIS PLAN AS EXISTING  
PROPERTY LINES P/L ARE BELIEVED TO  
BE ACCURATE BUT SHOULD NOT BE RELIED  
UPON FOR PURPOSES UNRELATED TO THE  
STATE OF VERMONT'S ACQUISITION OF LAND  
AND RIGHTS FOR THIS PROJECT.

**FOR R.O.W.  
USE ONLY**



**LEGEND**

- OVERBURDEN REMOVAL
- HAND SCALING  
W/VEGETATION REMOVAL

**NOTES:**

- EDGE OF WATER FOR LAKE SAINT CATHERINE AND  
GUARDRAIL LINES WERE GENERATED USING AERIAL  
IMAGERY AND ARE SHOWN FOR INFORMATIONAL USE  
ONLY. EDGE OF WATER AND GUARDRAIL SHOULD BE  
FIELD VERIFIED IF NECESSARY.

PROJECT NAME: WELLS  
PROJECT NUMBER: STP 015-2(11)

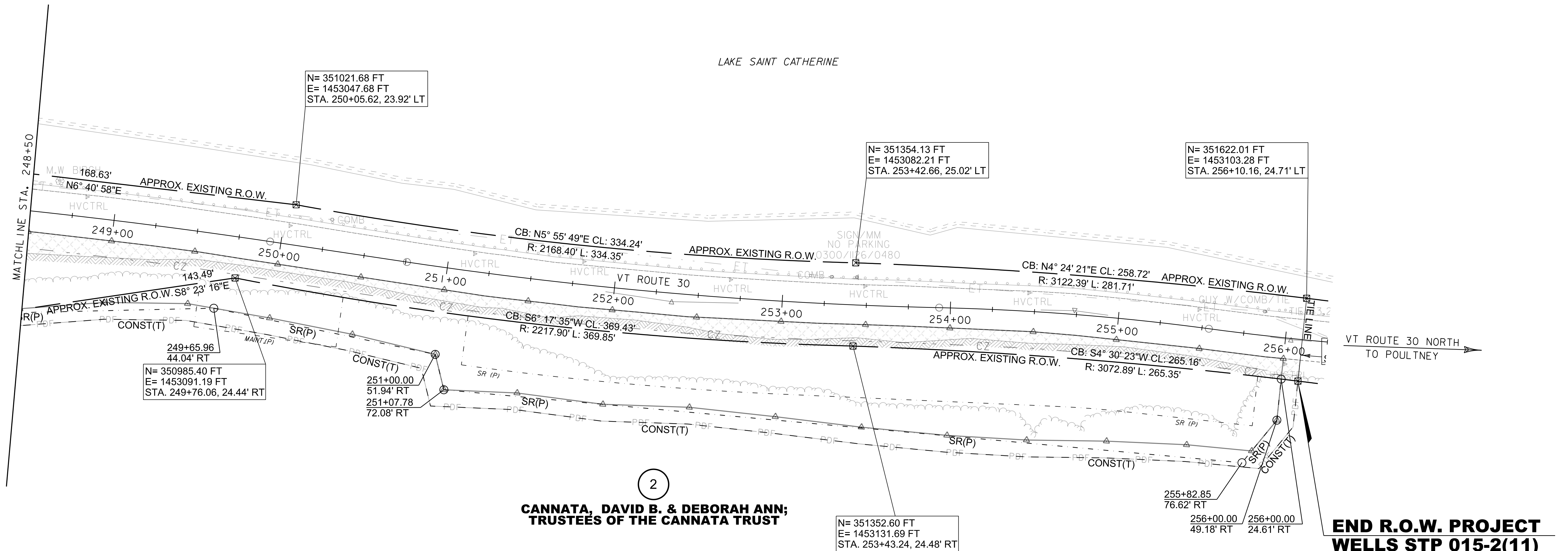
FILE NAME: r17d041lay1.dgn  
PROJECT LEADER: B. MARTIN  
DESIGNED BY: E. PECK  
R.O.W. LAYOUT SHEET 1

PLOT DATE: 10-OCT-2022  
DRAWN BY: F. BORCH  
CHECKED BY: A. PROULX  
SHEET 4 OF 11



COMMON EXCAVATION  
STA. 248+50I - STA 255+83 RT

SPECIAL PROVISION (HAND SCALING WITH VEGETATION REMOVAL)  
STA. 248+50 - STA 256+00 RT



1. EDGE OF WATER FOR LAKE SAINT CATHERINE AND GUARDRAIL LINES WERE GENERATED USING AERIAL IMAGERY AND ARE SHOWN FOR INFORMATIONAL USE ONLY. EDGE OF WATER AND GUARDRAIL SHOULD BE FIELD VERIFIED IF NECESSARY.

**FOR R.O.W.  
USE ONLY**

A horizontal scale bar with a black background and white markings. The markings are at 0, 30, and 60. Below the bar, the text 'SCALE IN FEET' is written in white capital letters.

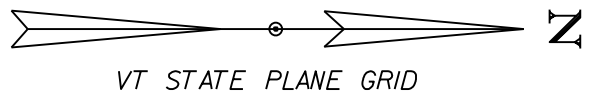
LEGEND

- OVERBURDEN REMOVAL
- HAND SCALING
- W/VEGETATION REMOVAL
- ROCK DOWELING

FILE NAME: r17d041lay2.dgn  
PROJECT LEADER: B. MARTIN  
DESIGNED BY: E. PECK  
R.O.W. LAYOUT SHEET 2

PLOT DATE: 10-OCT-2022  
DRAWN BY: F. BORCH  
CHECKED BY: A. PROULX  
SHEET 5 OF 11

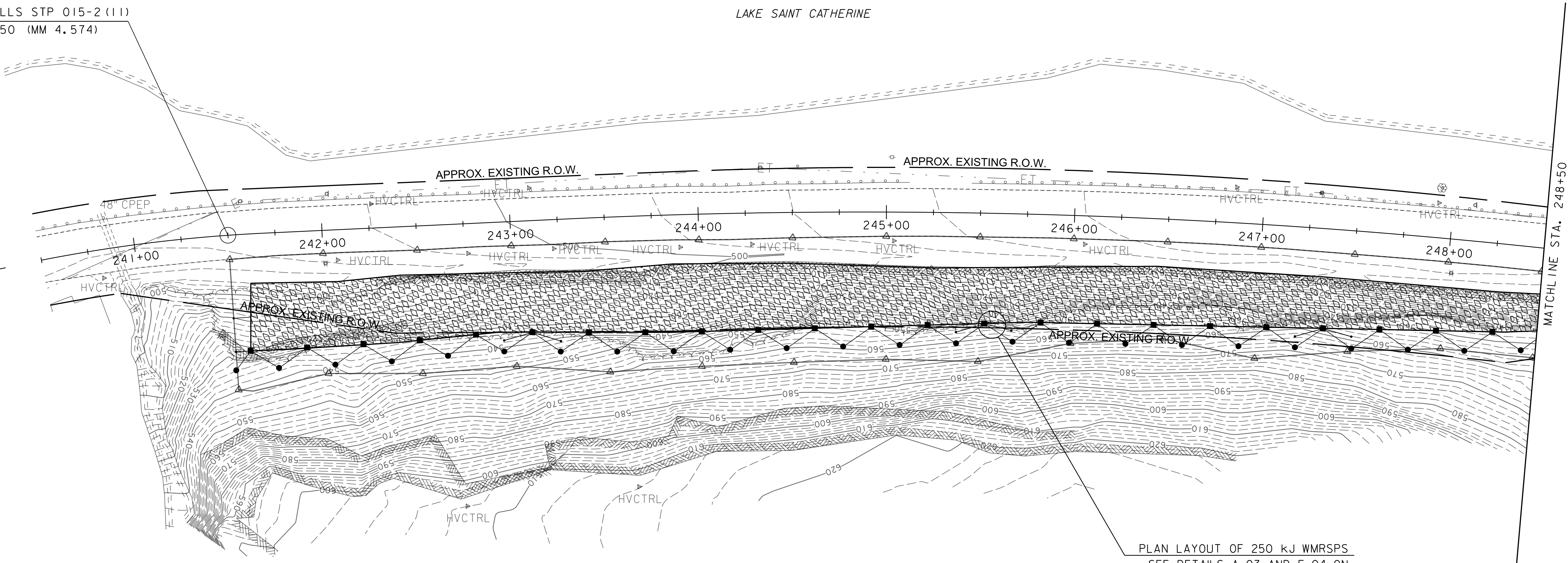
SOUTH HYBRID 250 KJ WMRSPS (TYPE II)  
STA. 241+61 - STA. 248+50 RT



BEGIN WELLS STP 015-2 (II)  
STA 241+50 (MM 4.574)

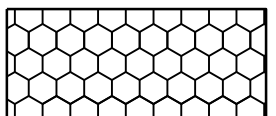
LAKE SAINT CATHERINE

VT 30 SOUTH  
TO PAWLET

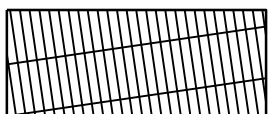


PLAN LAYOUT OF 250 KJ WMRSPS  
SEE DETAILS A-03 AND E-04 ON  
DETAIL SHEETS 1 AND 2, RESPECTFULLY

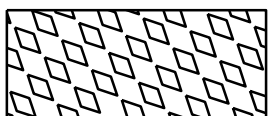
LEGEND



NORTH WMRSPS AREA (TYPE I)



AREA WITH NO WMRSPS



SOUTH WMRSPS AREA (TYPE II)

0 30 60  
SCALE IN FEET

PROJECT NAME: WELLS  
PROJECT NUMBER: STP 015-2(II)

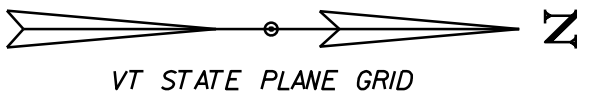
FILE NAME: r17d04lwmrspi.dgn  
PROJECT LEADER: B. MARTIN  
DESIGNED BY: CJS  
WMRSPS LAYOUT SHEET 1

PLOT DATE: 10-OCT-2022  
DRAWN BY: RWC  
CHECKED BY: JRS  
SHEET 6 OF 11

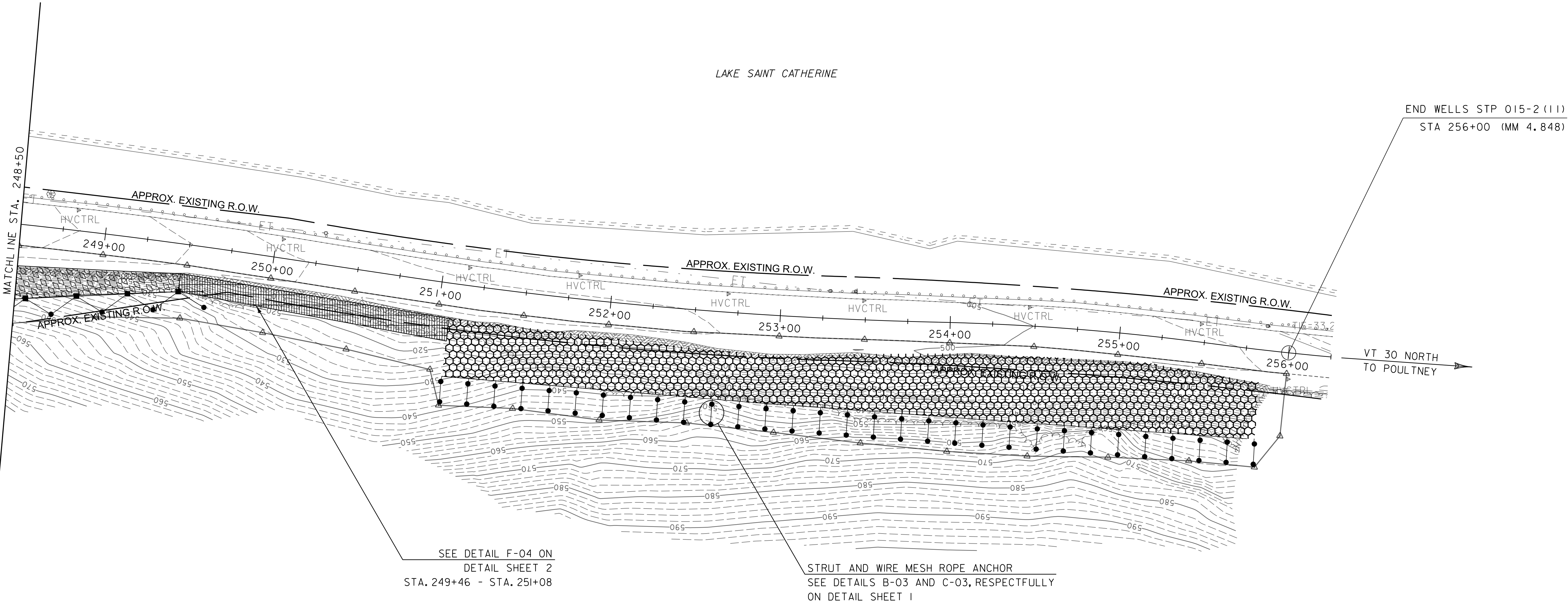
SOUTH HYBRID 250 KJ WMRSPS (TYPE II)  
STA. 248+50 - STA. 249+46 RT

WIRE MESH ROPE ANCHOR  
STA. 251+08 - STA 255+83 RT

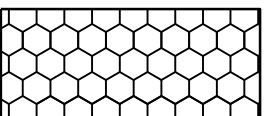
NORTH WMRSPS (TYPE I)  
STA. 251+08 - STA. 255+83 RT



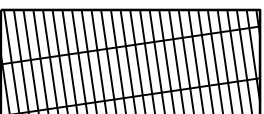
LAKE SAINT CATHERINE



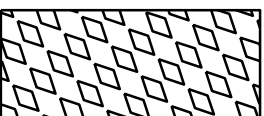
LEGEND



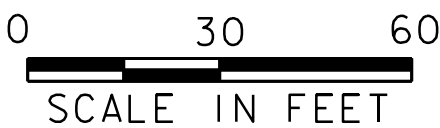
NORTH WMRSPS AREA (TYPE I)



AREA WITH NO WMRSPS



SOUTH WMRSPS AREA (TYPE II)



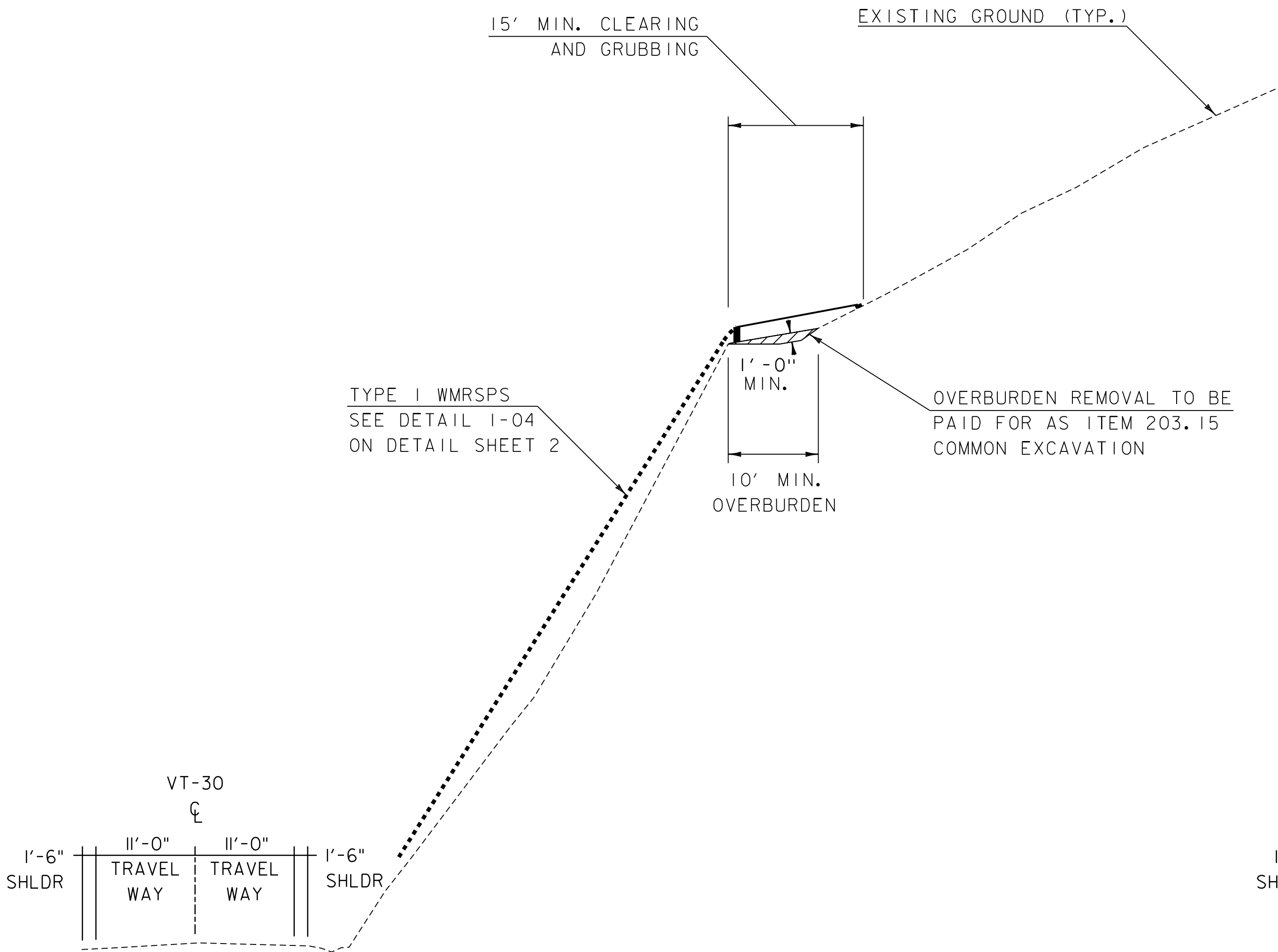
PROJECT NAME: WELLS  
PROJECT NUMBER: STP 015-2(II)

FILE NAME: ri7d04lwmrps2.dgn  
PROJECT LEADER: B. MARTIN  
DESIGNED BY: CJS  
WMRSPS LAYOUT SHEET 2

PLOT DATE: 10-OCT-2022  
DRAWN BY: RWC  
CHECKED BY: JRS  
SHEET 7 OF 11

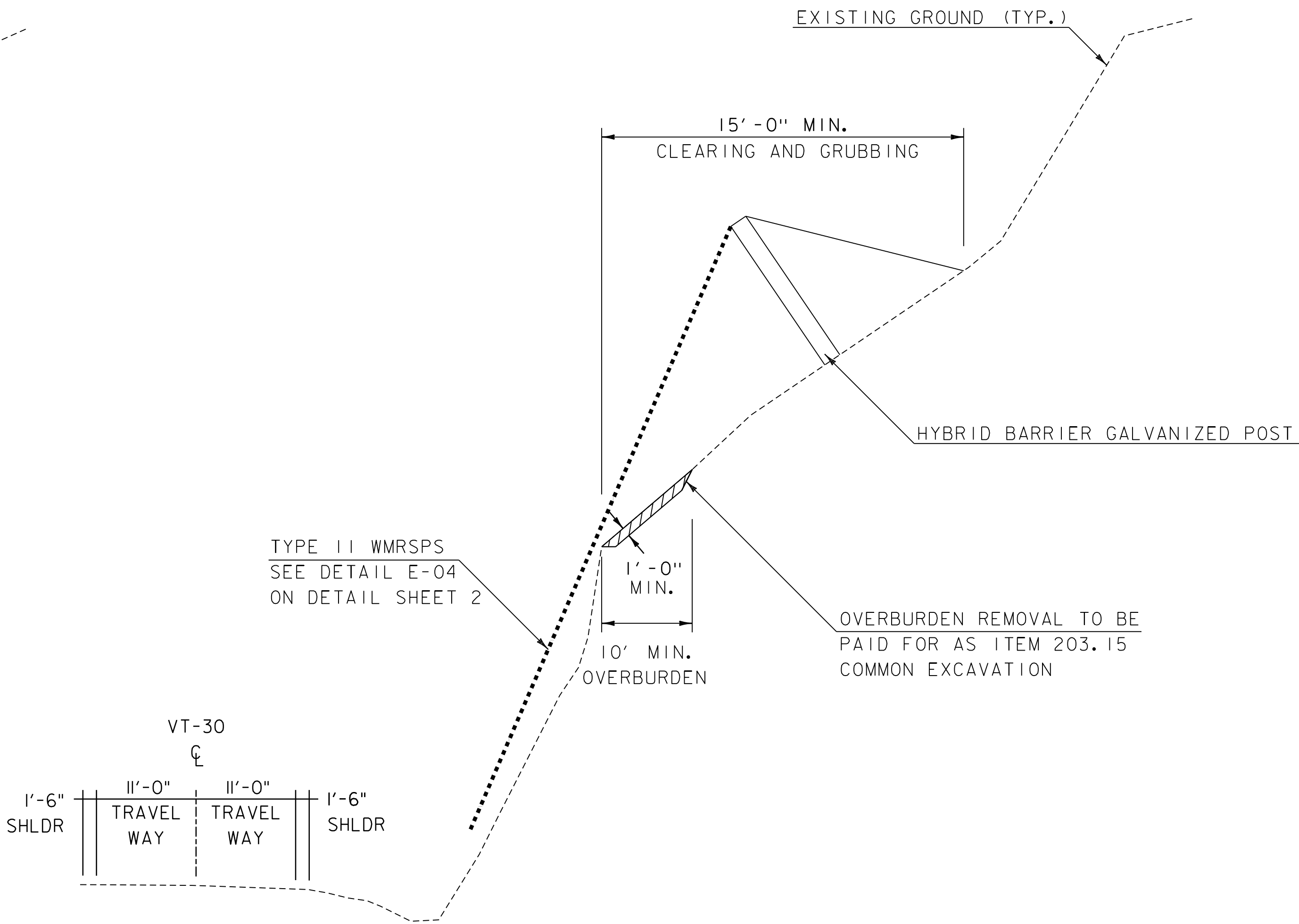
NOTES:

- 1. WMRSPS = WIRE MESH ROCK SLOPE PROTECTION SYSTEM.
- 2. LIMITS OF CLEARING AND GRUBBING EXTENDS AT LEAST 15 FEET BEYOND THE CUT SLOPE CREST. BARE COMPETENT ROCK SHOULD BE EXPOSED FOR AT LEAST 10 FEET BEYOND THE CREST.
- 3. LIMITS OF OVERBURDEN REMOVAL SHALL BE A DEPTH OF 1 FOOT MIN. TO 2 FEET MAX. UNLESS BARE COMPETENT ROCK IS REACHED AT A DEPTH LESS THAN 1 FOOT IN AREAS 10 FEET BEYOND THE CREST. OVERBURDEN FINAL LOCATIONS AND DEPTHS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.



TYPE I WMRSPS TYPICAL SECTION

STA. 251+08.00 - STA. 255+83.00  
NOT TO SCALE



TYPE II WMRSPS TYPICAL SECTION

STA. 241+61.00 - STA. 249+46.00  
NOT TO SCALE

PROJECT NAME: WELLS  
PROJECT NUMBER: STP 015-2(II)

FILE NAME: r17d041typ.dgn  
PROJECT LEADER: B. MARTIN  
DESIGNED BY: J. AIROLDI  
TYPICAL SECTIONS

PLOT DATE: 10-OCT-2022  
DRAWN BY: J. AIROLDI  
CHECKED BY: M. GAMELIN  
SHEET 8 OF 11



PRIMARY CONTROL

HVCTRL #1  
DAVIES AZ MK  
NORTH = 351192.7350  
EAST = 1453081.5060  
ELEV = 499.8880

GENERAL LOCATION WELLS,VT

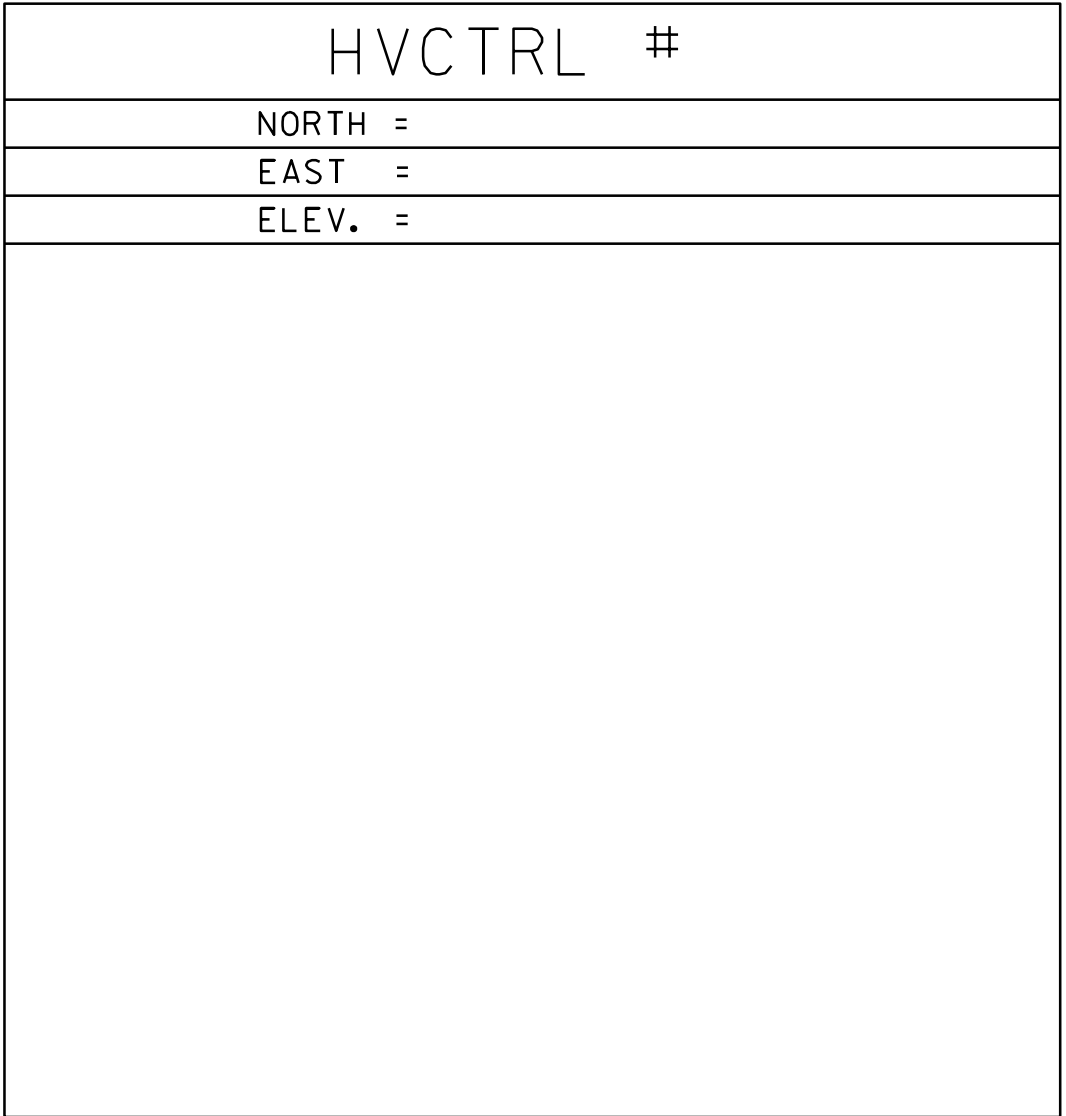
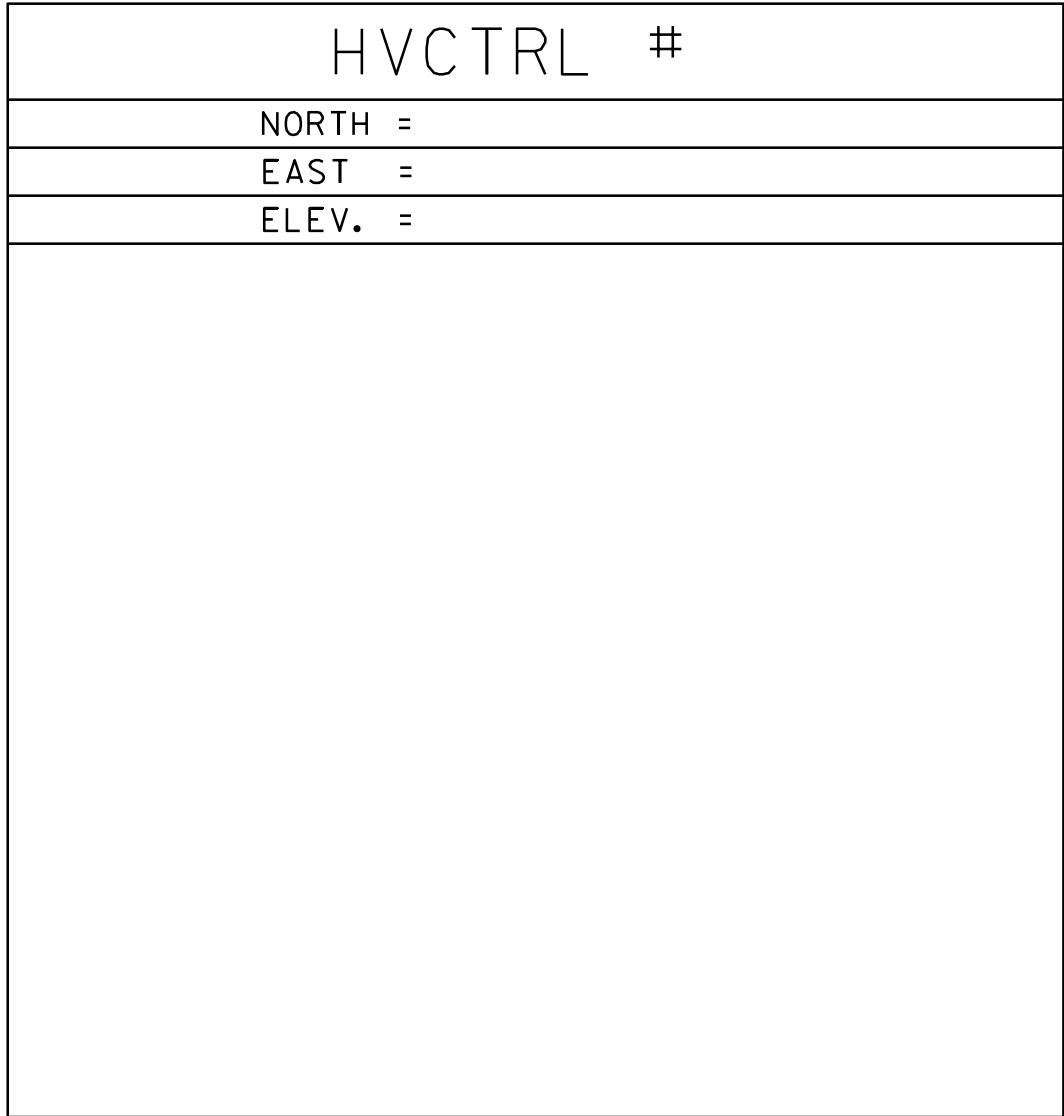
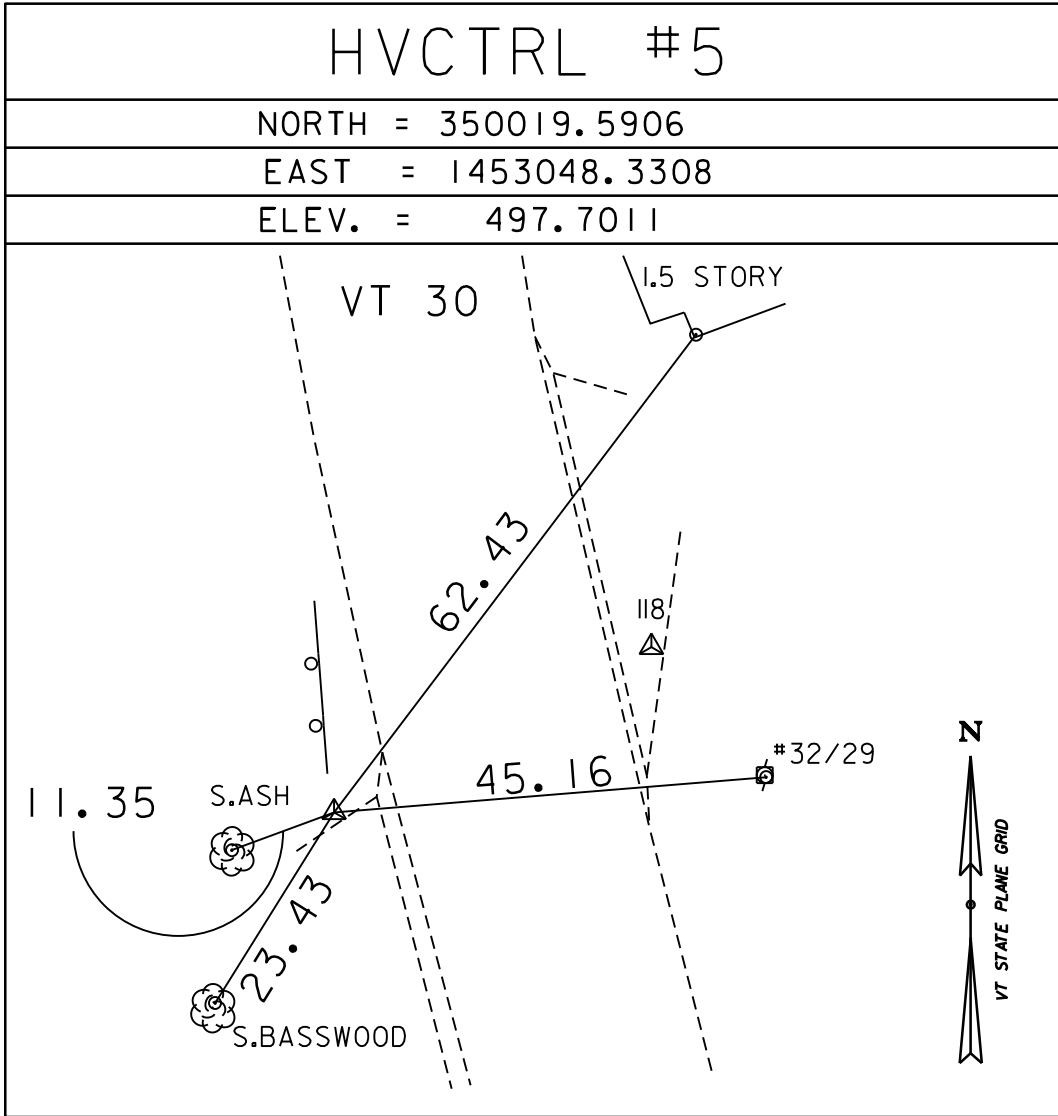
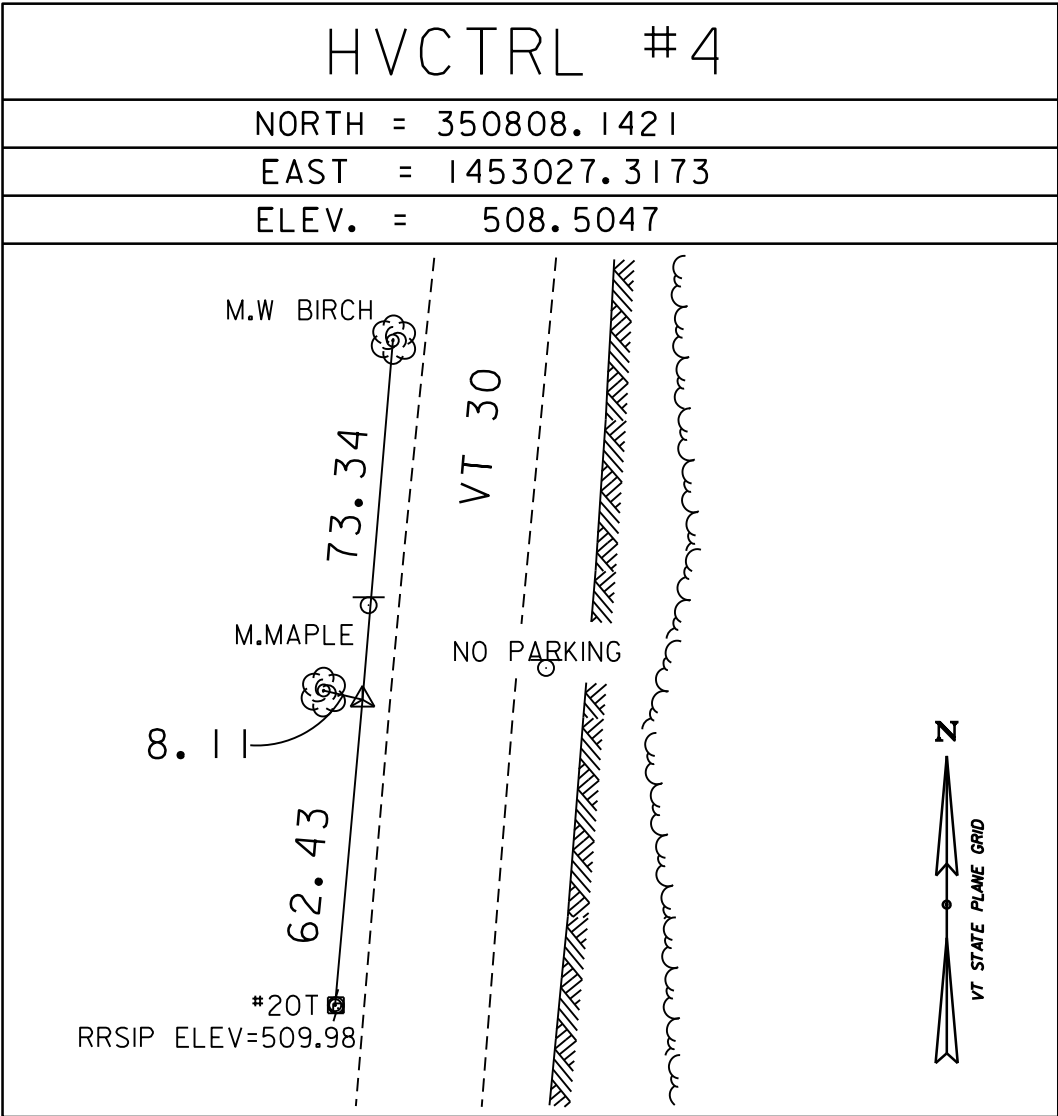
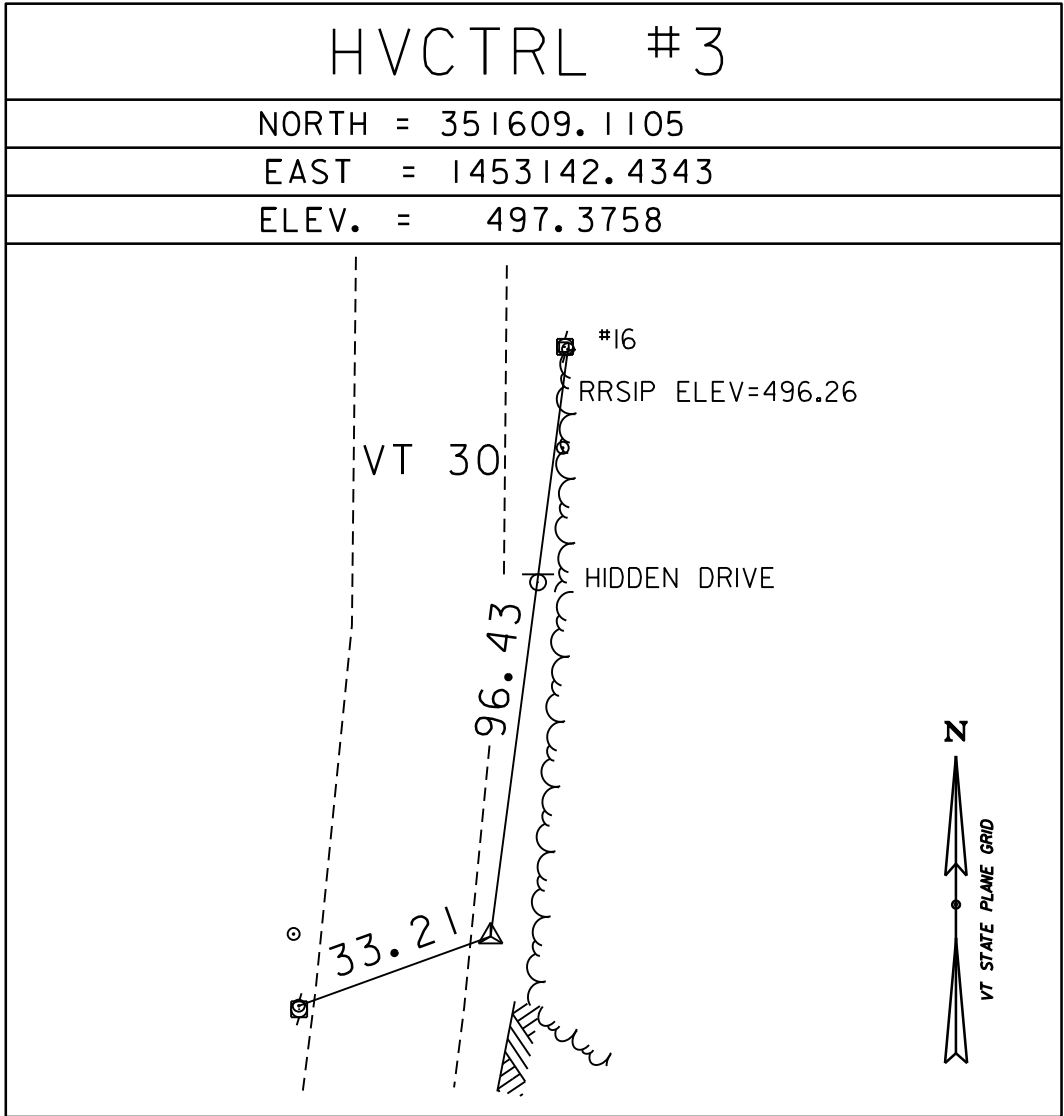
TO REACH FROM THE INTERSECTION OF VT.ROUTE 30 AND VT.ROUTE 31 IN POULTNEY GO SOUTH ALONG VT.ROUTE 30 FOR 4.0 MI (6.4 KM) TO THE INTERSECTION OF CONES POINT ROAD RIGHT. CONTINUE STRAIGHT ALONG VT ROUTE 30 SOUTH FOR 0.7 MI (1.1 KM) TO THE MARK ON THE RIGHT. IT IS 4.3 M (14.1 FT) WEST OF AND ABOUT 0.3 M (1.0 FT) LOWER THAN THE CENTERLINE OF ROUTE 30, 0.3 M (1.0 FT) WEST OF THE WEST FACE OF A STEEL BEAM GUARD RAIL, 23.0 M (75.5 FT) NORTHWEST OF POLE NO.19, 43.9 M (144.0 FT) SOUTHWEST OF POLE NO.18, AND 0.4 M (1.3 FT) SOUTH OF A FIBERGLASS WITNESS POST.

HVCTRL #2  
DAVIES  
NORTH = 352164.9100  
EAST = 1452010.8970  
ELEV = 498.0630

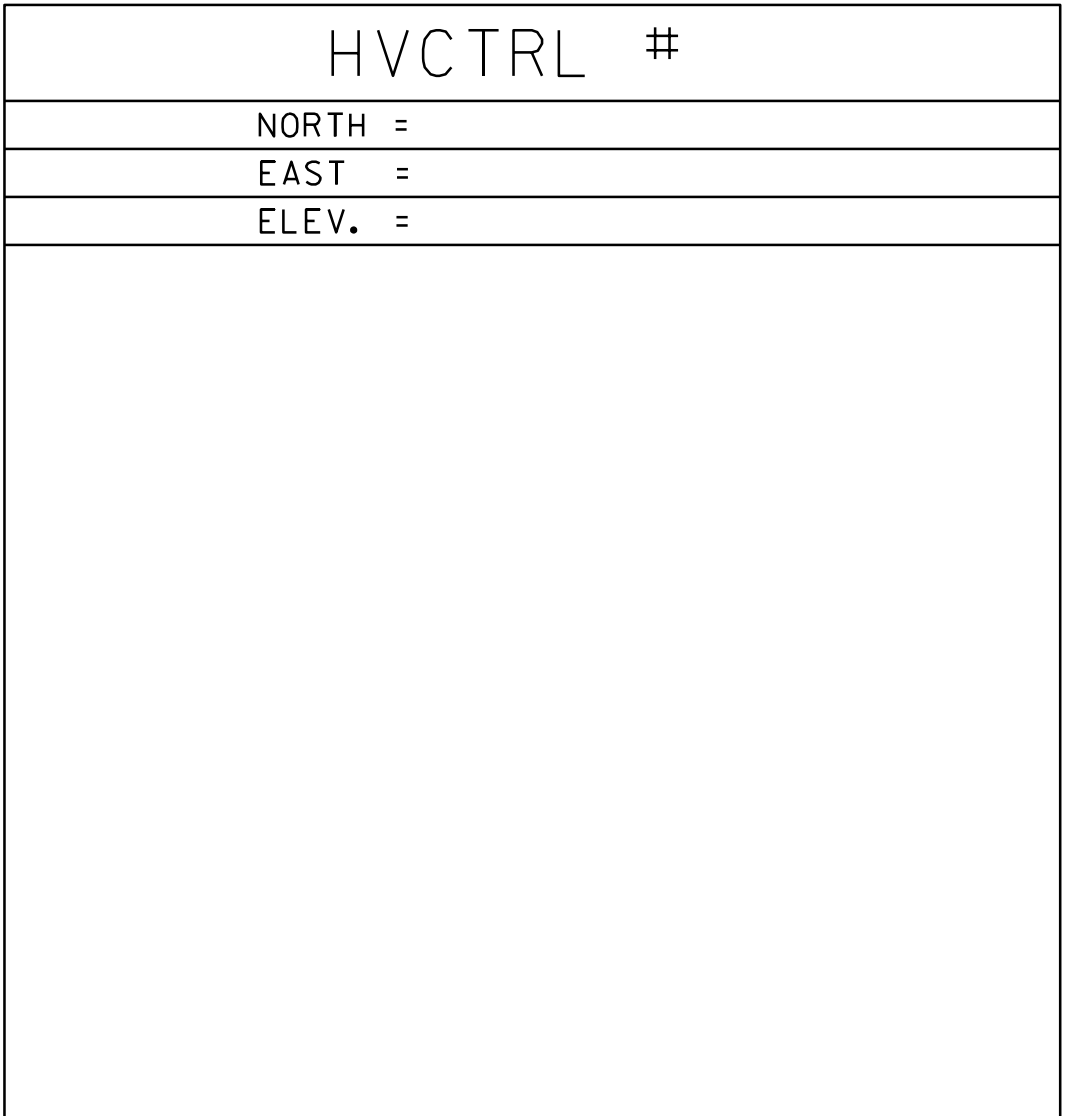
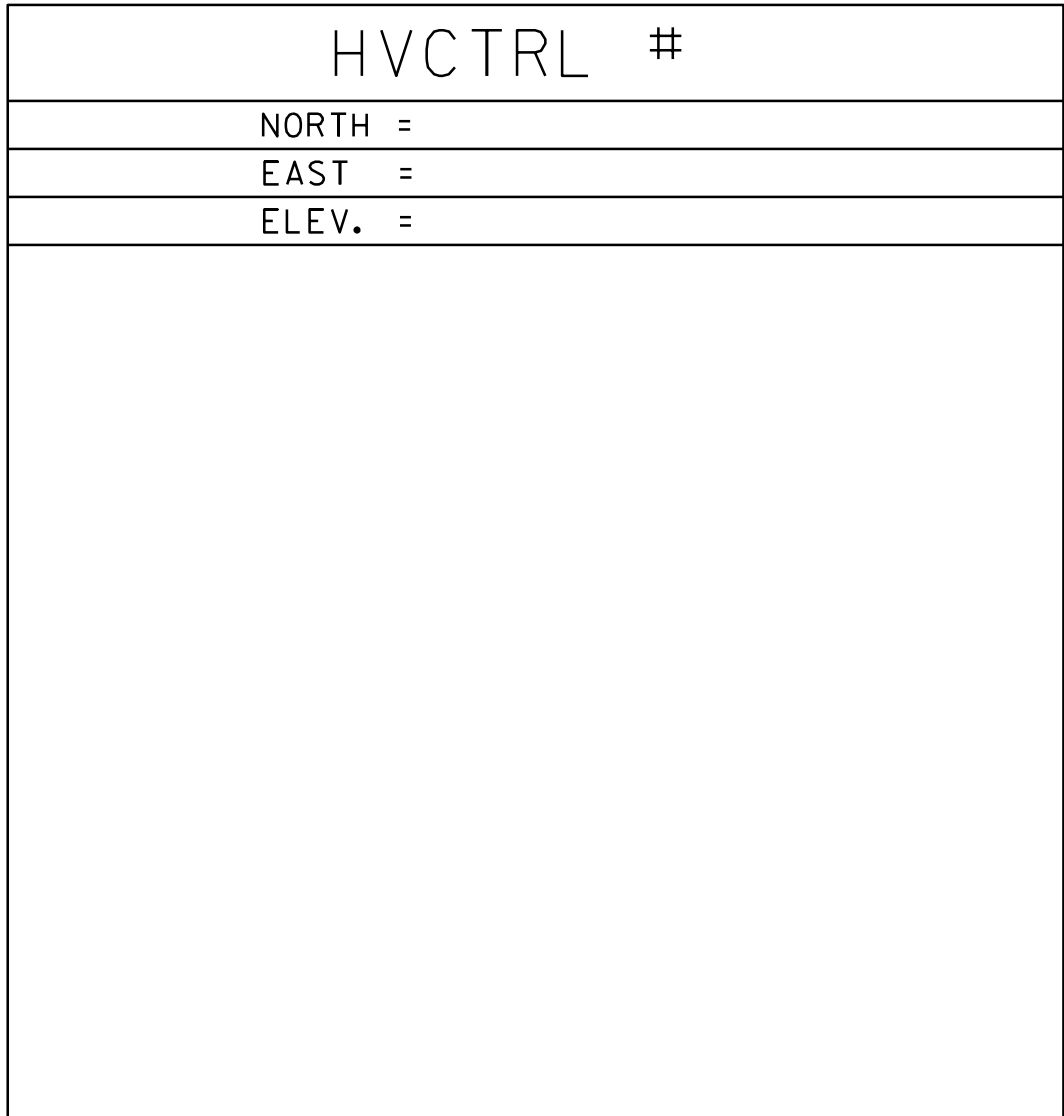
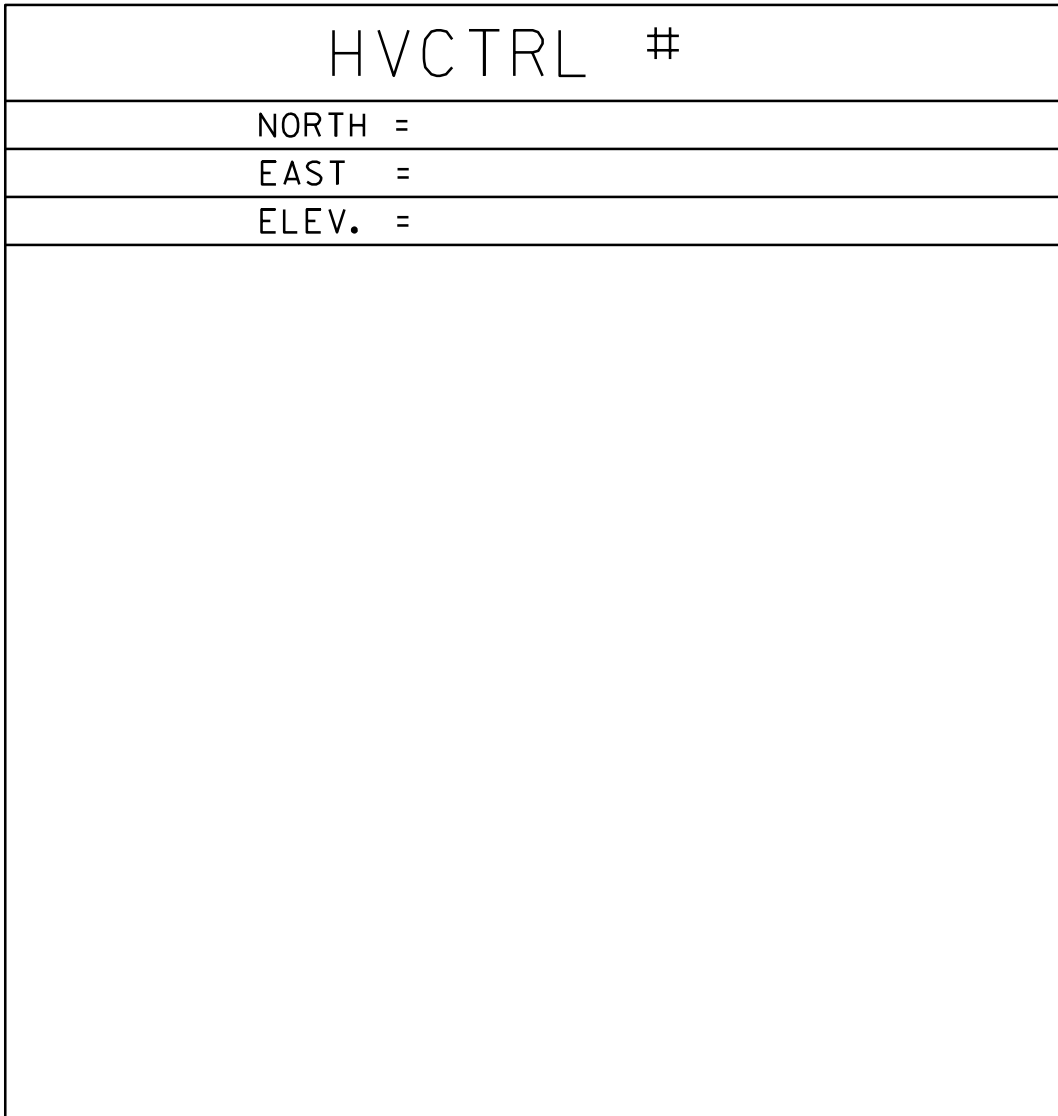
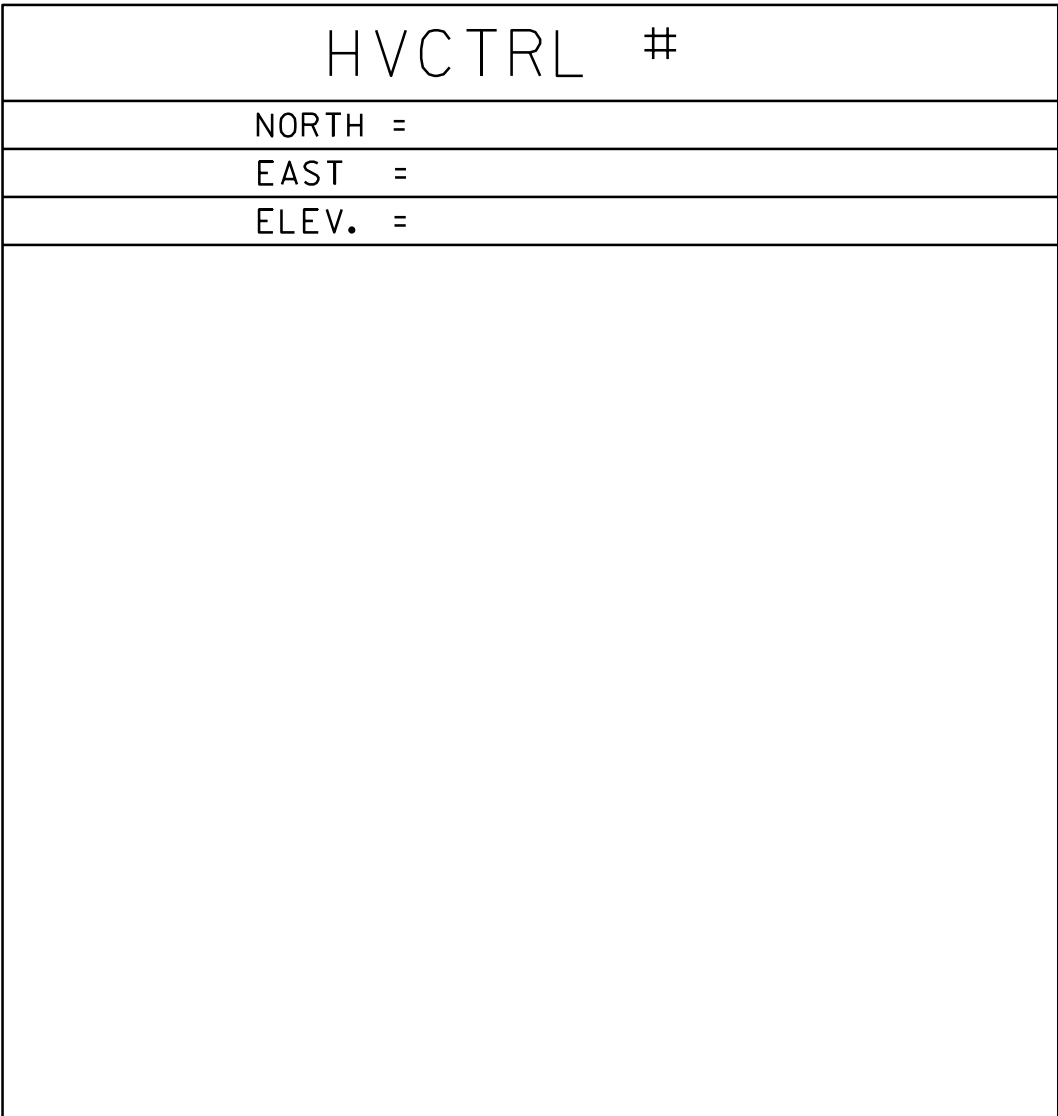
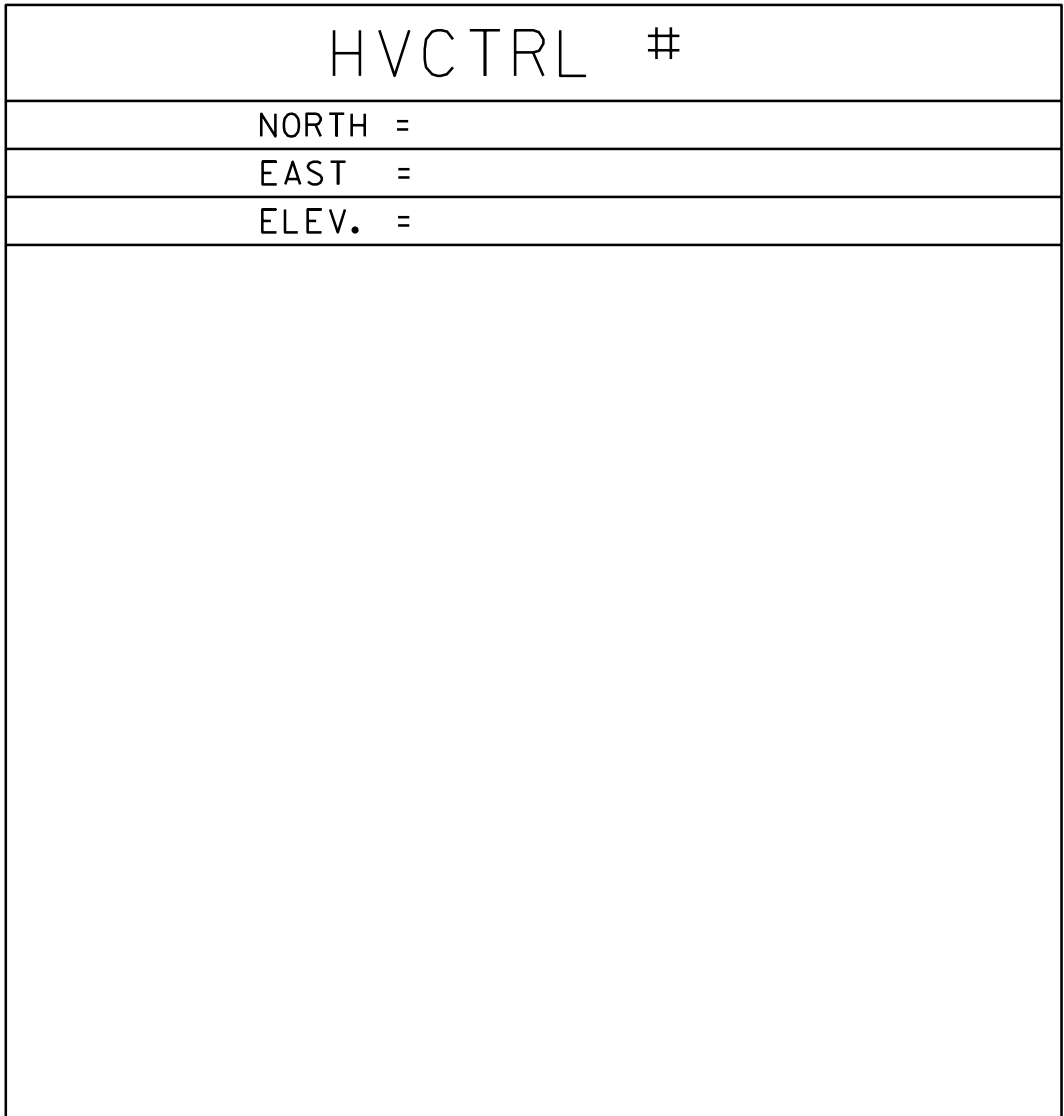
GENERAL LOCATION POULTNEY, VT

TO REACH FROM THE INTERSECTION OF VT.ROUTE 30 AND VT.ROUTE 31 IN POULTNEY GO EAST AND THEN SOUTH ALONG VT.ROUTE 30 FOR 4.0 MI (6.4 KM) TO THE INTERSECTION OF CONES POINT ROAD RIGHT. TURN RIGHT AND GO WEST AND SOUTH ALONG CONES POINT ROAD FOR 0.7 MI (1.1 KM) TO THE END OF THE ROAD AND THE MARK ON THE LEFT. IT IS 43.3 M (142.1 FT) SOUTHEAST OF AND ABOUT 1 M (3.3 FT) LOWER THAN THE CENTERLINE OF CONES POINT ROAD, 29.5 M (96.8 FT) NORTH OF THE NORTHEAST CORNER OF THE 1 1/2 STORY DAVIES HOUSE, 14.9 M (48.9 FT) NORTH OF A 0.2 M (0.7 FT) X 0.2 M (0.7 FT) X 0.8 M (2.6 FT) HIGH STONE POST WHICH IS ON THE POULTNEY/WELLS TOWN LINE, 40.0 M (131.2 FT) SOUTHEAST OF POLE NO.7115, 17.2 M (56.4 FT) SOUTHWEST OF THE SOUTHWEST CORNER OF A ONE STORY HOUSE, AND 37.0 M (121.4 FT) EAST OF A FIBERGLASS WITNESS POST.

SECONDARY CONTROL

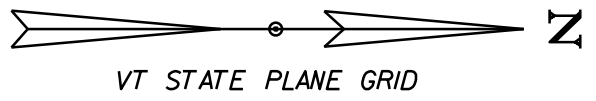


SECONDARY CONTROL



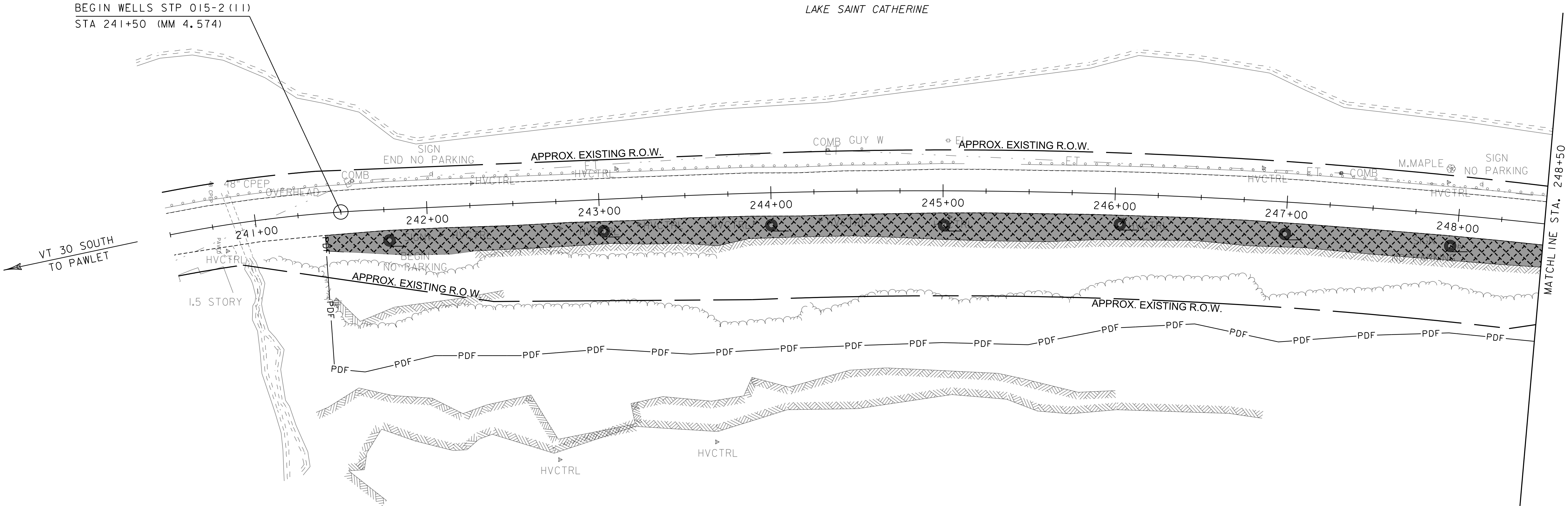
DATUM	
VERTICAL	NAVD88
HORIZONTAL	NAD83(2011)
ADJUSTMENT	NONE

PROJECT NAME:	WELLS	PROJECT NUMBER:	STP 015-2(II)
FILE NAME:	X17D04IT1.DGN	PLOT DATE:	10-OCT-2022
PROJECT LEADER:	B.MARTIN	DRAWN BY:	H.MCGOWAN
DESIGNED BY:	VTRANS	CHECKED BY:	
TIE SHEET		SHEET	9 OF 11



BEGIN WELLS STP 015-2 (II)  
STA 241+50 (MM 4.574)

LAKE SAINT CATHERINE



PROJECT NAME: WELLS  
PROJECT NUMBER: STP 015-2(II)

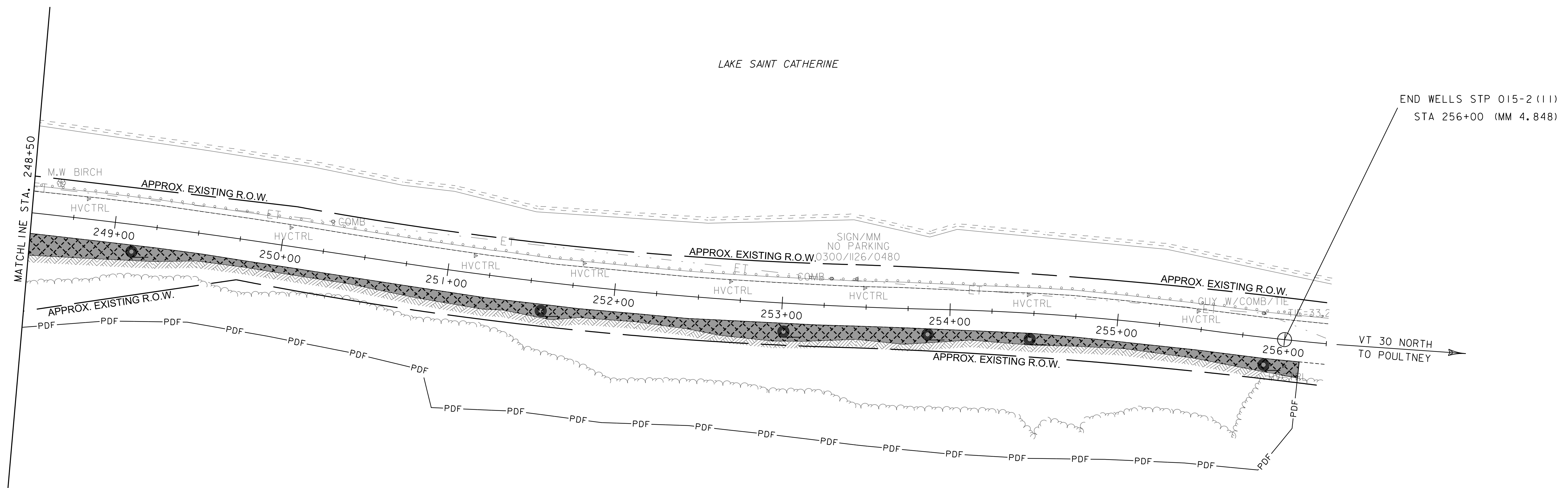
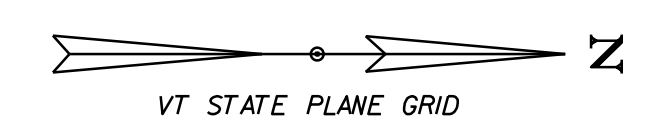
FILE NAME: r17d041epscl.dgn  
PROJECT LEADER: B. MARTIN  
DESIGNED BY: J. AIROLDI  
EPSC CONSTRUCTION SHEET I

PLOT DATE: 10-OCT-2022  
DRAWN BY: J. AIROLDI  
CHECKED BY: M. GAMELIN  
SHEET 10 OF 11

PROJECT DEMARCATION FENCE  
STA. 248+50 - STA. 256+10 RT

ROLLED EROSION CONTROL PRODUCT, TYPE I  
STA. 248+50 - STA 256+10 RT

SILT FENCE, TYPE II  
IN LOCATIONS AS DEEMED NECESSARY,  
AT THE DIRECTION OF THE ENGINEER



AREA OF DISTURBANCE:  
SHEET TOTAL = 0.59 ACRES  
PROJECT TOTAL = 1.23 ACRES

PROJECT NAME: WELLS	
PROJECT NUMBER: STP 015-2(II)	
FILE NAME: r17d04lepse2.dgn	PLOT DATE: 10-OCT-2022
PROJECT LEADER: B. MARTIN	DRAWN BY: J. AIROLDI
DESIGNED BY: J. AIROLDI	CHECKED BY: M. GAGELIN
EPSC CONSTRUCTION SHEET 2	SHEET II OF II