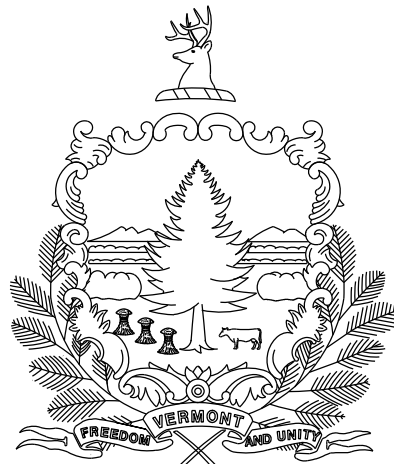


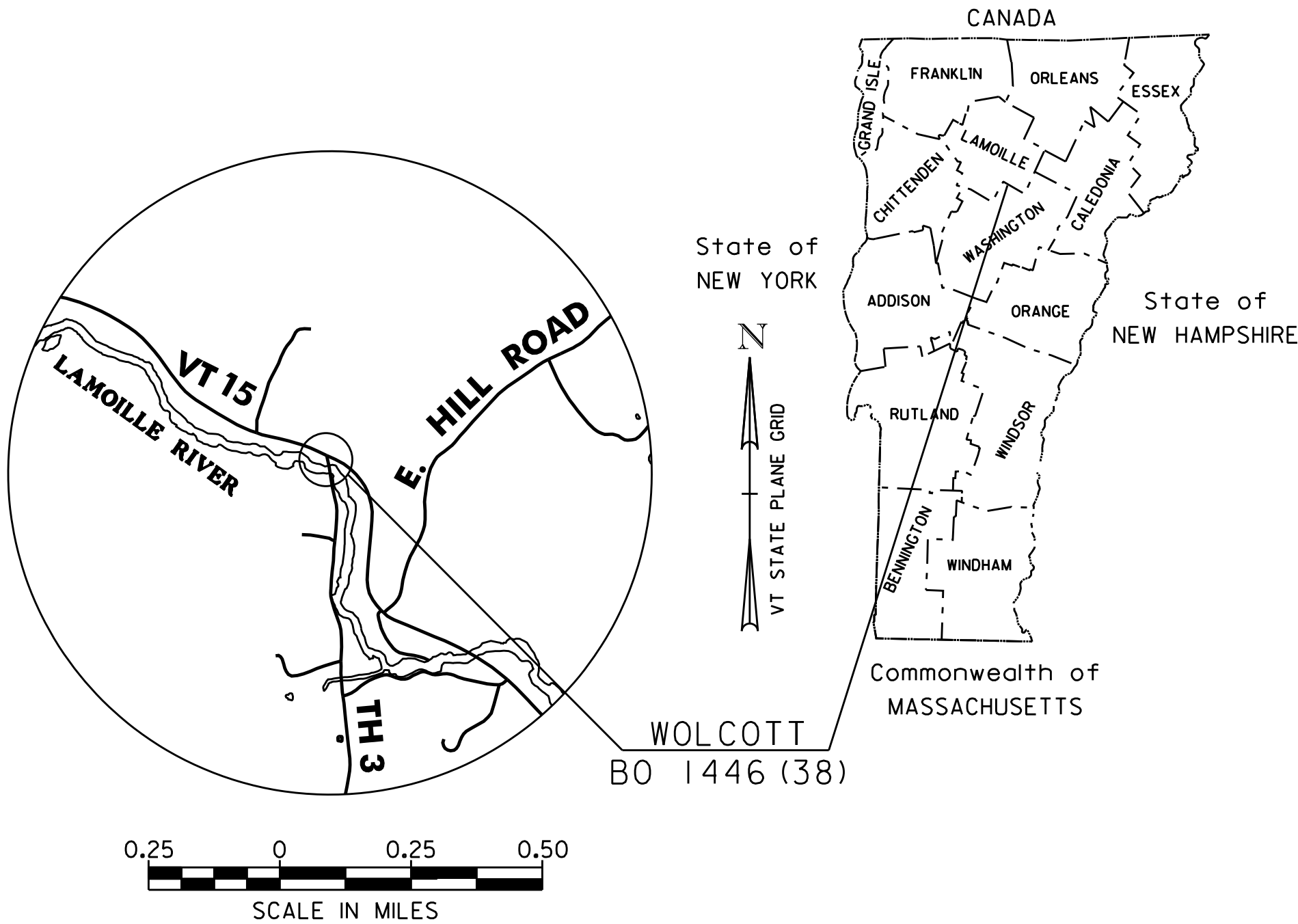
REVIEWER’S NOTES:

1. ROW EASEMENTS REQUIRED.
2. THE SUBSURFACE INVESTIGATION PROGRAM IS ONGOING. BORINGS HAVE BEEN COMPLETED, BORING LOGS AND GEOTECHNICAL REPORT IS ANTICIPATED TO BE PROVIDED EARLY SUMMER.
3. HYDRAULIC INFORMATION WILL BE UPDATED ON THE PI SHEET AND CROSS SECTIONS UPON COMPLETION OF THE HYDRAULIC ANALYSIS.
4. THE TOWN OF WOLCOTT IS RESPONSIBLE FOR DEVELOPING THE DETOUR PLAN FOR THIS PROJECT. THE FINAL DETOUR PLAN WILL BE INCLUDED ONCE IT HAS BEEN DEVELOPED.

STATE OF VERMONT
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT
BRIDGE PROJECT
WOLCOTT
COUNTY OF LAMOILLE
TOWN HIGHWAY 3 (SCHOOL STREET), RURAL LOCAL ROAD
BRIDGE NO.6



PROJECT LOCATION:

LOCATED ON TH 3 IN THE TOWN OF WOLCOTT AT THE JUNCTION WITH VT ROUTE 15.

PROJECT DESCRIPTION:

REMOVAL AND REPLACEMENT OF BRIDGE NO. 6 WITH RELATED APPROACH ROADWAY AND CHANNEL WORK.

LENGTH OF STRUCTURE:

137.00 FEET

LENGTH OF ROADWAY:

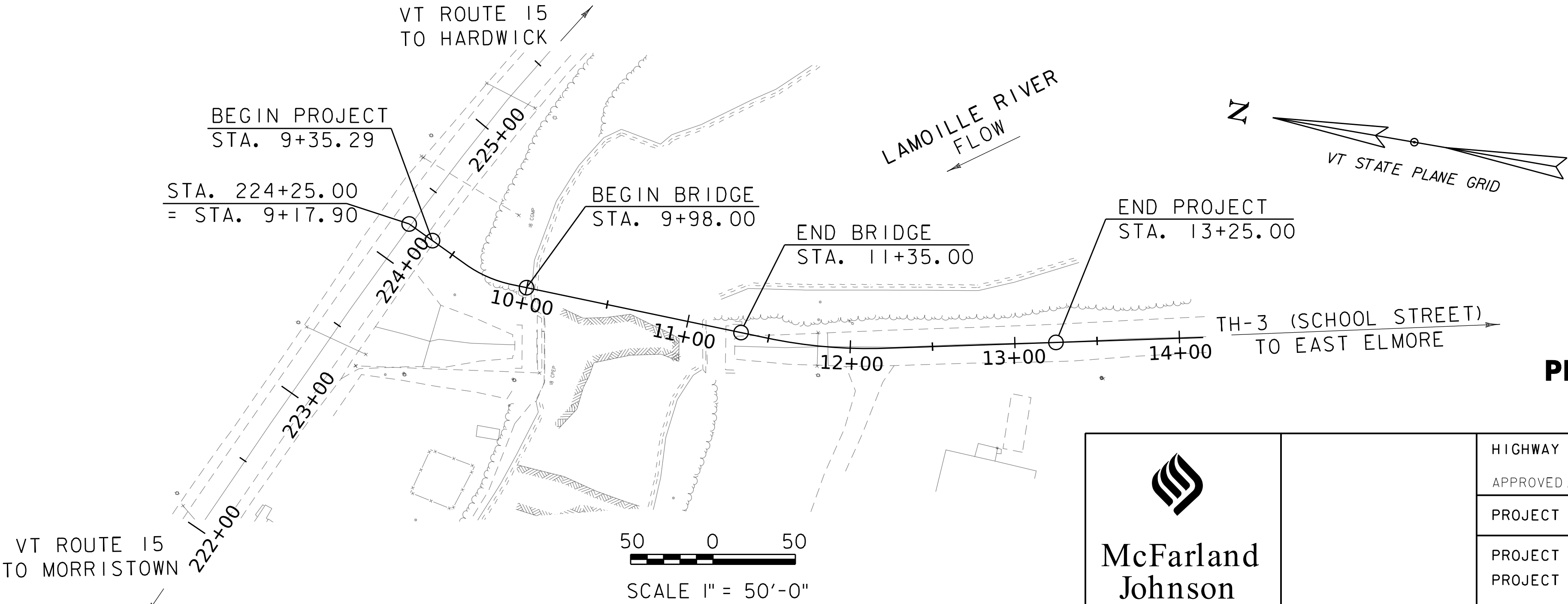
252.71 FEET

LENGTH OF PROJECT:

389.71 FEET

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.

QUALITY ASSURANCE PROGRAM : LEVEL 2	
SURVEYED BY :	VTRANS
SURVEYED DATE :	2/24/2020
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD83 (2011)



 McFarland Johnson	HIGHWAY DIVISION , CHIEF ENGINEER		
	APPROVED _____ DATE _____		
	PROJECT MANAGER : ROBERT KLINEFELTER P.E.		
	PROJECT NAME : WOLCOTT PROJECT NUMBER : BO 1446 (38)		
	SHEET 1 OF 28 SHEETS		

PRELIMINARY PLANS
6 / 26 / 23

Version

STATE OF VERMONT
AGENCY OF TRANSPORTATION

PRELIMINARY INFORMATION SHEET (BRIDGE)

LRFD

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A-76

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03-03-2003

B-5

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06-01-1994

B-12

SIDE ROAD INTERSECTION, DEPRESSED RAMP

06-01-1994

B-71a

STANDARD FOR RESIDENTIAL DRIVES

04-07-2020

E-10

ROLLED EROSION CONTROL PRODUCT, TYPE I

04-07-2020

E-11

CHECK DAM, TYPE I

04-07-2020

E-12

STABILIZED CONSTRUCTION ENTRANCE

04-07-2020

E-13

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07-01-2019

E-15

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07-01-2019

E-121

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08-08-1995

E-191

PAVEMENT MARKING DETAILS

02-01-1999

E-193

PAVEMENT MARKING DETAILS

08-18-1995

G-1

STEEL BEAM GUARDRAIL DETAILS (POST, DELINEATOR, TYPICALS)

03-10-2017

G-1D

STEEL BEAM GUARDRAIL DETAILS (END TERMINAL, ANCHOR, MEDIAN)

03-10-2017

G-19

GENERIC GRADING PLANS FOR GUARDRAIL END TERMINALS

10-02-2018

S-400

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04-07-2020

S-501

CONCRETE DETAILS AND NOTES

04-07-2020

T-1

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04-25-2016

T-2

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05-28-2019

T-10

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08-06-2012

T-17

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08-06-2012

T-28

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08-06-2012

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08-06-2012

T-36

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08-06-2012

T-42

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T-56

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10-26-2015

DETAIL SHEETS

HSD- 400.01

SAFETY EDGE DETAILS

1/5/2018

HSD- 621.01

POST AND BLOCKOUT DETAILS FOR STEEL BEAM

6/9/2015

HSD- 621.03

STEEL BEAM GUARDRAIL, GALVANIZED/16 FOOT RADIUS

3/27/2022

HSD- 621.04

STEEL BEAM GUARDRAIL, GALVANIZED/25 FOOT RADIUS

3/27/2022

HSD- 621.06

GUARDRAIL TERMINAL LABEL DETAIL

2/27/2017

HSD- 621.07A

MSG

1/4/2021

HSD- 621.07B

MSG COMPONENTS

4/17/2019

HSD- 621.07C

MSG ANCHOR

4/17/2019

HSD- 621.07D

MSG ANCHOR COMPONENT 1

4/17/2019

HSD- 621.07E

MSG ANCHOR COMPONENT 2

4/17/2019

SD- 361.00A

BRIDGE RAILING, GALVANIZED 3 RAIL BOX BEAM

4/4/2022

SD- 361.00B

BRIDGE RAILING, GALVANIZED 3 RAIL BOX BEAM

4/4/2022

SD- 361.00C

GUARDRAIL APPROACH SECTION, GALVANIZED 3 RAIL BOX BEAM

4/4/2022

FINAL HYDRAULIC REPORT

TRAFFIC MAINTENANCE NOTES

1. MAINTAIN TRAFFIC ON AN OFF SITE DETOUR.

2. TRAFFIC SIGNALS ARE NOT NECESSARY.

3. SIDEWALKS ARE NOT NECESSARY

DESIGN VALUES

1. DESIGN LIVE LOAD

HL-93

2. FUTURE PAVEMENT

d_p :

2.5 INCH

3. DESIGN SPAN

L :

133.00 FT

4. MIN. MID-SPAN POS. CAMBER @ RELEASE (PRESTRESSED UNITS)

Δ : ---

5. PRESTRESSING STRAND

f_y : ---

6. PRESTRESSED CONCRETE STRENGTH

f'_c : ---

7. PRESTRESSED CONCRETE RELEASE STRENGTH

f'_{ci} : ---

8. HIGH PERFORMANCE CONCRETE, CLASS PCD

f'_c : 4.0 KSI

9. HIGH PERFORMANCE CONCRETE, CLASS PCS

f'_c : 3.5 KSI

10. CONCRETE HIGH PERFORMANCE, CLASS SCC

f'_c : 4.0 KSI

11. CONCRETE, CLASS C

f'_c : 3.0 KSI

12. REINFORCING STEEL

f_y : 60 KSI

13. STRUCTURAL STEEL AASHTO M270

f_y : 50 KSI

14. NOMINAL BEARING RESISTANCE OF SOIL

q_n : ---

15. SOIL BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD)

ϕ : ---

16. NOMINAL BEARING RESISTANCE OF ROCK

q_n : ---

17. ROCK BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD)

ϕ : ---

18. PILE RESISTANCE FACTOR

ϕ : ---

19. LATERAL PILE DEFLECTION

Δ : ---

20. BASIC WIND SPEED

V_{3s} : ---

21. MINIMUM GROUND SNOW LOAD

p_g : ---

22. SEISMIC DATA

PGA :

S_s : ---

S_1 : ---

23.

24.

25.

26.

LRFR LOAD RATING FACTORS

LOADING LEVELS

TRUCK

H-20

HL-93

3S2

6 AXLE

3A STR.

4A STR.

5A SEMI

TONNAGE

20

36

36

66

30

34.5

38

INVENTORY

POSTING

OPERATING

COMMENTS:

TABLE TO BE COMPLETED BY CONTRACTORS DESIGNER

TRAFFIC DATA

YEAR

ADT

DHV

% D

% T

ADTT

20 year ESAL for flexible pavement from 2025 to 2045 : 69000

40 year ESAL for flexible pavement from 2025 to 2065 : 135000

Design Speed : 25 mph

AS BUILT "REBAR" DETAIL

LEVEL I

LEVEL II

LEVEL III

TYPE:

TYPE:

TYPE:

GRADE:

GRADE:

GRADE:

McFarland Johnson

PROJECT NAME: WOLCOTT

PROJECT NUMBER: BO 1446(38)

FILE NAME: z19v222pl.dgn

PROJECT LEADER: D. KULL

DESIGNED BY: S. LISTER/VTRANS

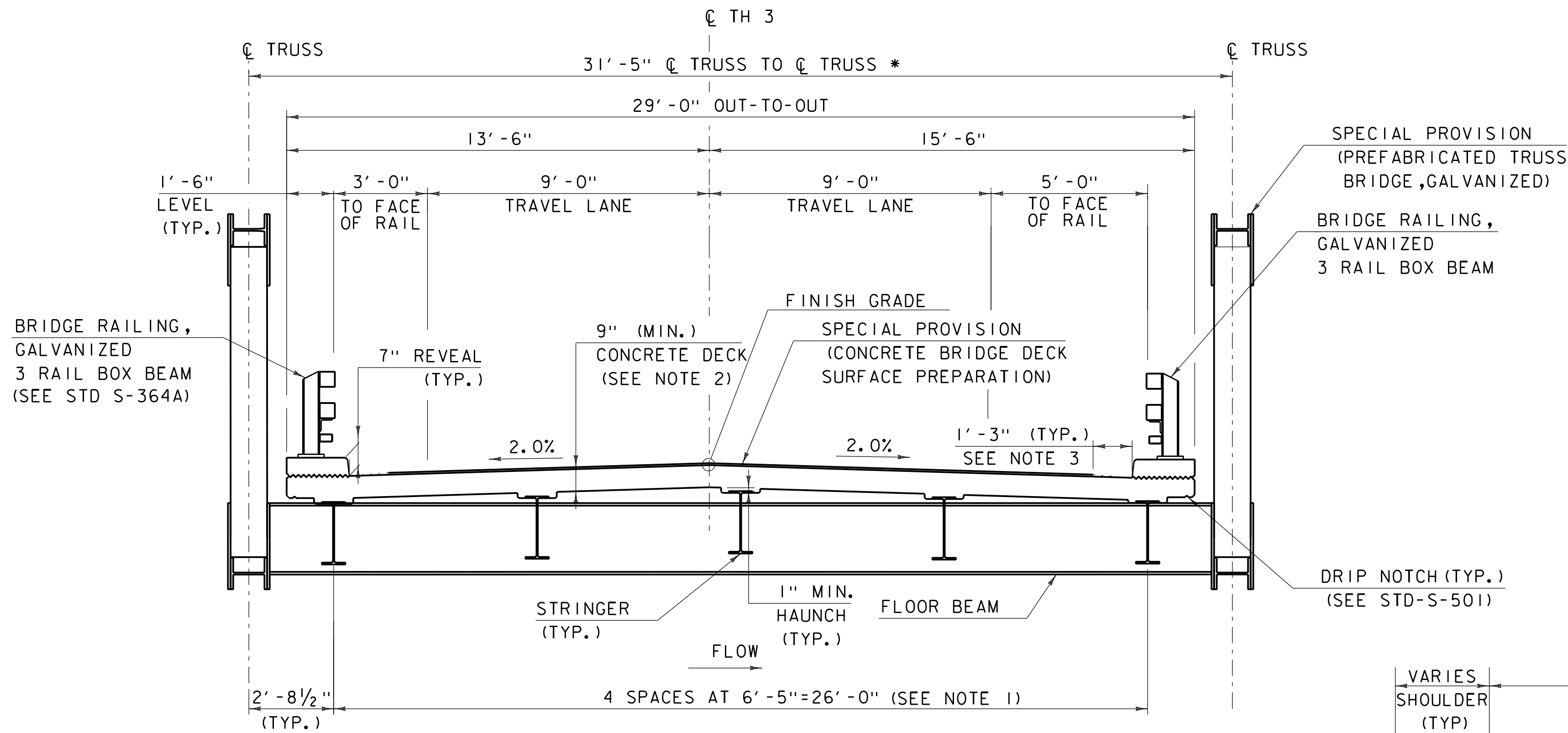
PRELIMINARY INFORMATION SHEET

PLOT DATE: 3/26/2023

DRAWN BY: M.DOREO

CHECKED BY: R. JOY

SHEET 2 OF 28



TYPICAL BRIDGE SECTION

STA. 9+98.00 - STA. 11+35.00

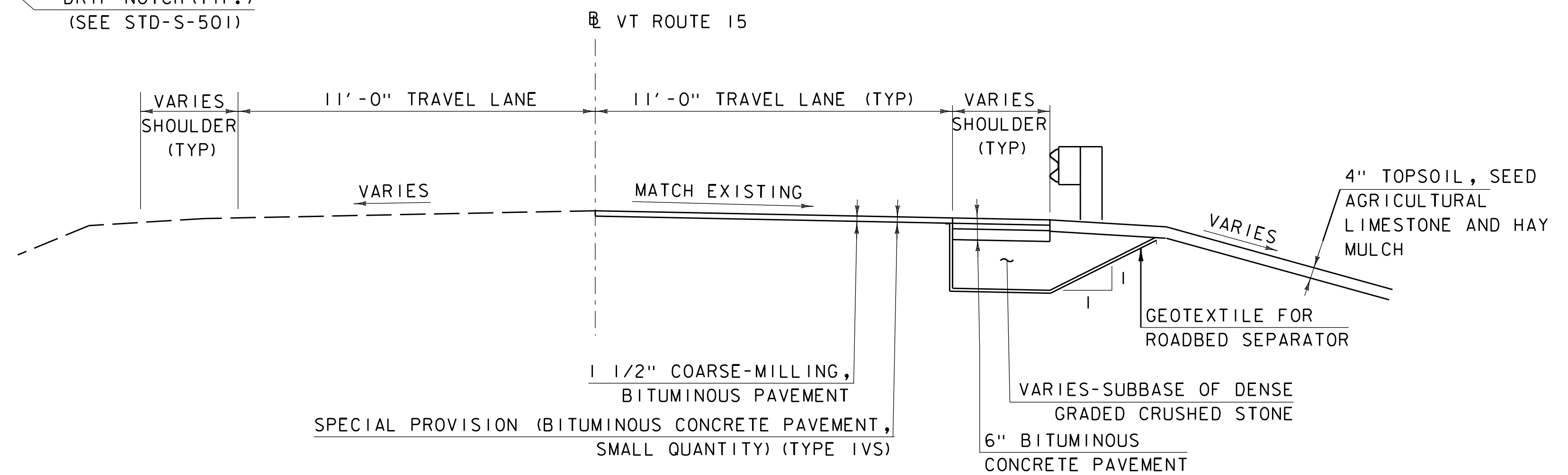
NOT TO SCALE

* ASSUMED DIMENSION FOR DESIGN, ACTUAL WIDTH TO BE DETERMINED BY THE CONTRACTOR.

MATERIAL TOLERANCES (IF USED ON PROJECT)	
SURFACE	
- PAVEMENT (TOTAL THICKNESS)	+/- 1/4"
- AGGREGATE SURFACE COURSE	+/- 1/2"
SUBBASE	+/- 1"

SUPERPAVE BITUMINIOUS CONCRETE PAVEMENT MIXTURE DESIGN CRITERIA

DESIGN LANE/DESIGN LIFE ESAL	42,780
DESIGN NUMBER OF GYRATIONS	50
PERFORMANCE GRADED ASPHALT BINDER	SEE TABLE 406.03F



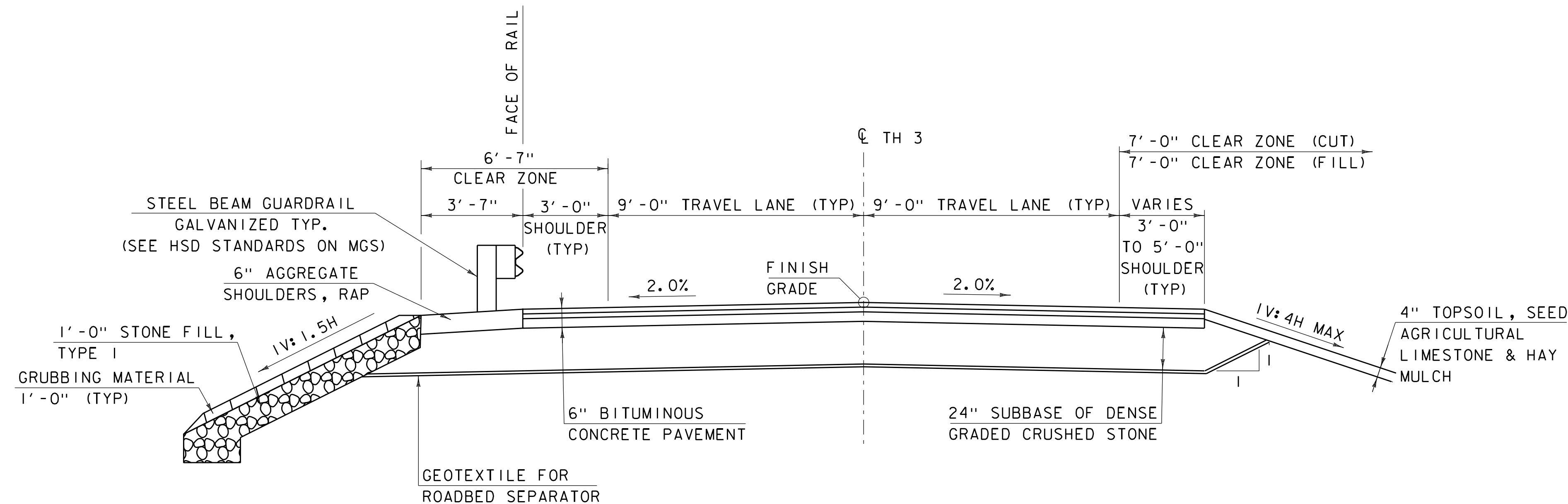
VT ROUTE 15 TYPICAL SECTION

STA. 224+68.82 - STA. 225+13.60

NOT TO SCALE

NOTES

1. ASSUMED DIMENSION FOR DESIGN. ACTUAL WIDTH TO BE DETERMINED BY THE CONTRACTOR.
2. SPECIAL PROVISION (PERFORMANCE-BASED CONCRETE, CLASS PCD) 9" REPRESENTS THE FINISHED CONDITION AND DOES INCLUDE 3/4" OVERPOUR TO BE REMOVED PER SPECIAL PROVISION (CONCRETE BRIDGE DECK SURFACE PREPARATION)
3. FINISH TO FINAL DECK THICKNESS OF 9" OR TAPER TO NO OVERPOUR AT FACE OF CURB. IF THE AREA IS TAPERED FROM THE 3/4" OVERPOUR TO NO OVERPOUR AT THE FACE OF CURB, THE TAPER SHALL BE REMOVED BY GRINDING TO ACHIEVE A FINAL DECK THICKNESS OF 9".



TH 3 (SCHOOL ST) TYPICAL SECTION

STA. 9+35.29 - STA. 9+98.00

STA. 11+35.00 - STA. 13+25.00

NOT TO SCALE



McFarland Johnson

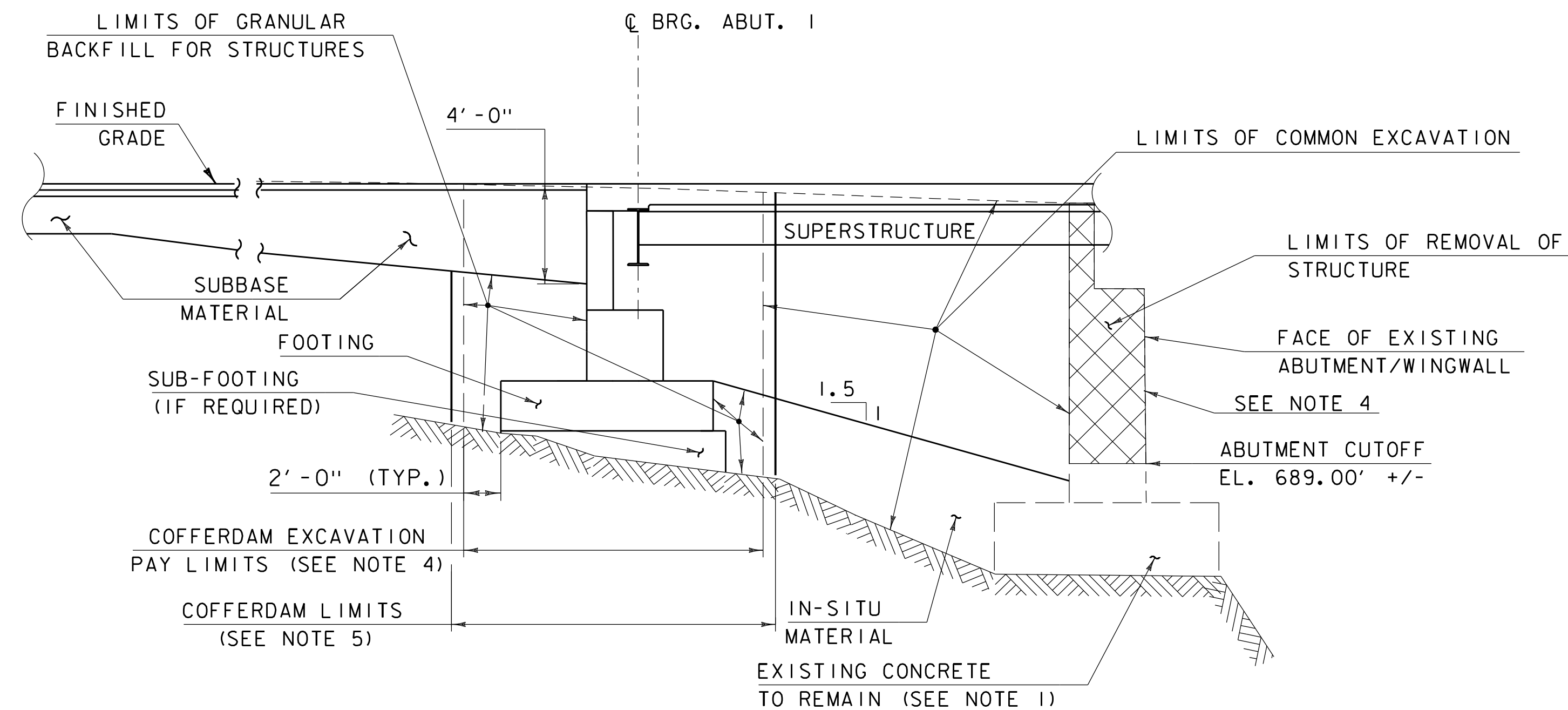
MJ PROJECT #:
18502.04

MODEL NAME
TYPICAL SECTIONS 1

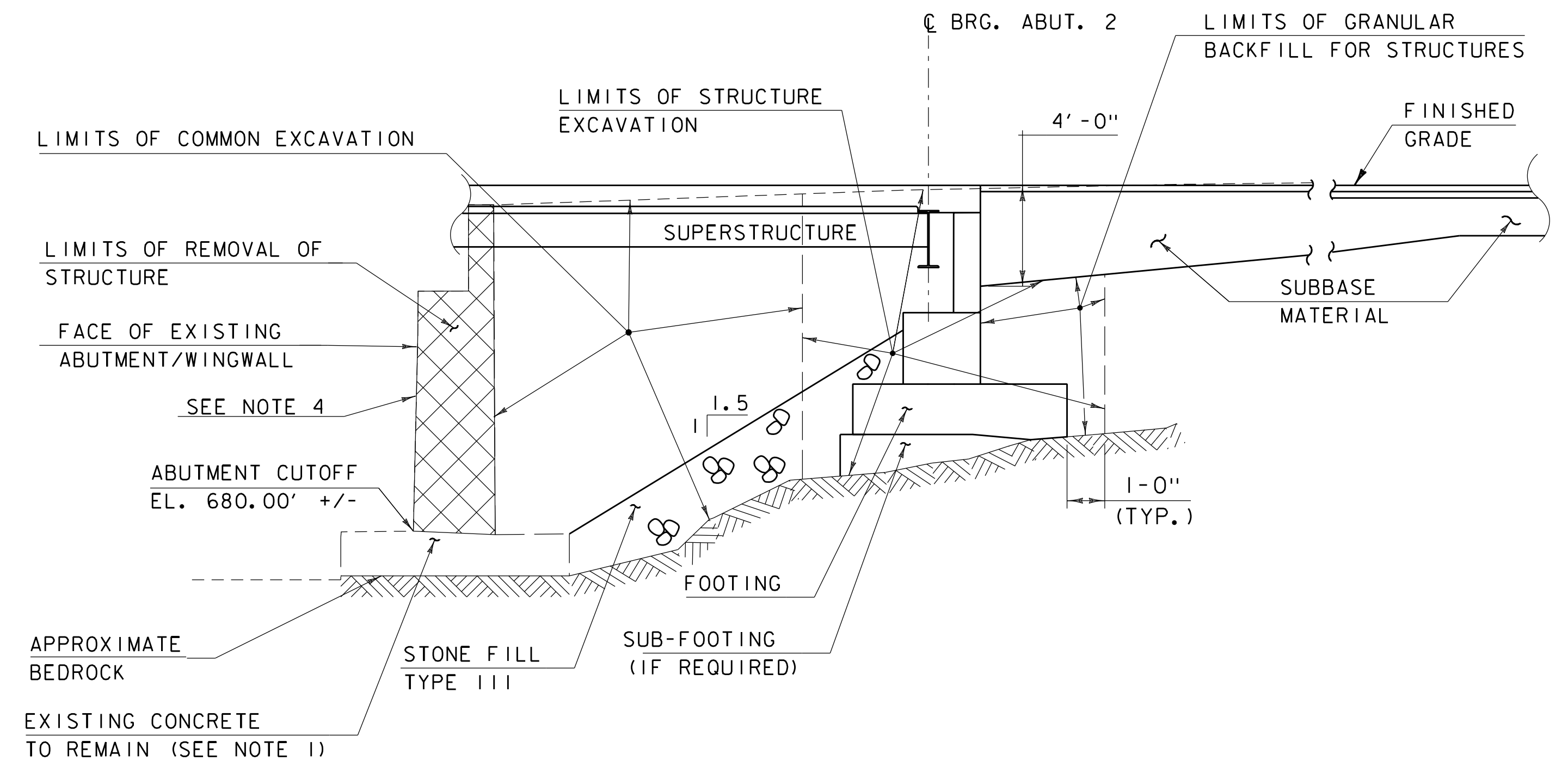
PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

FILE NAME: z19j222+typ.dgn
PROJECT LEADER: D. KULL
DESIGNED BY: S. LISTER
TYPICAL SECTIONS

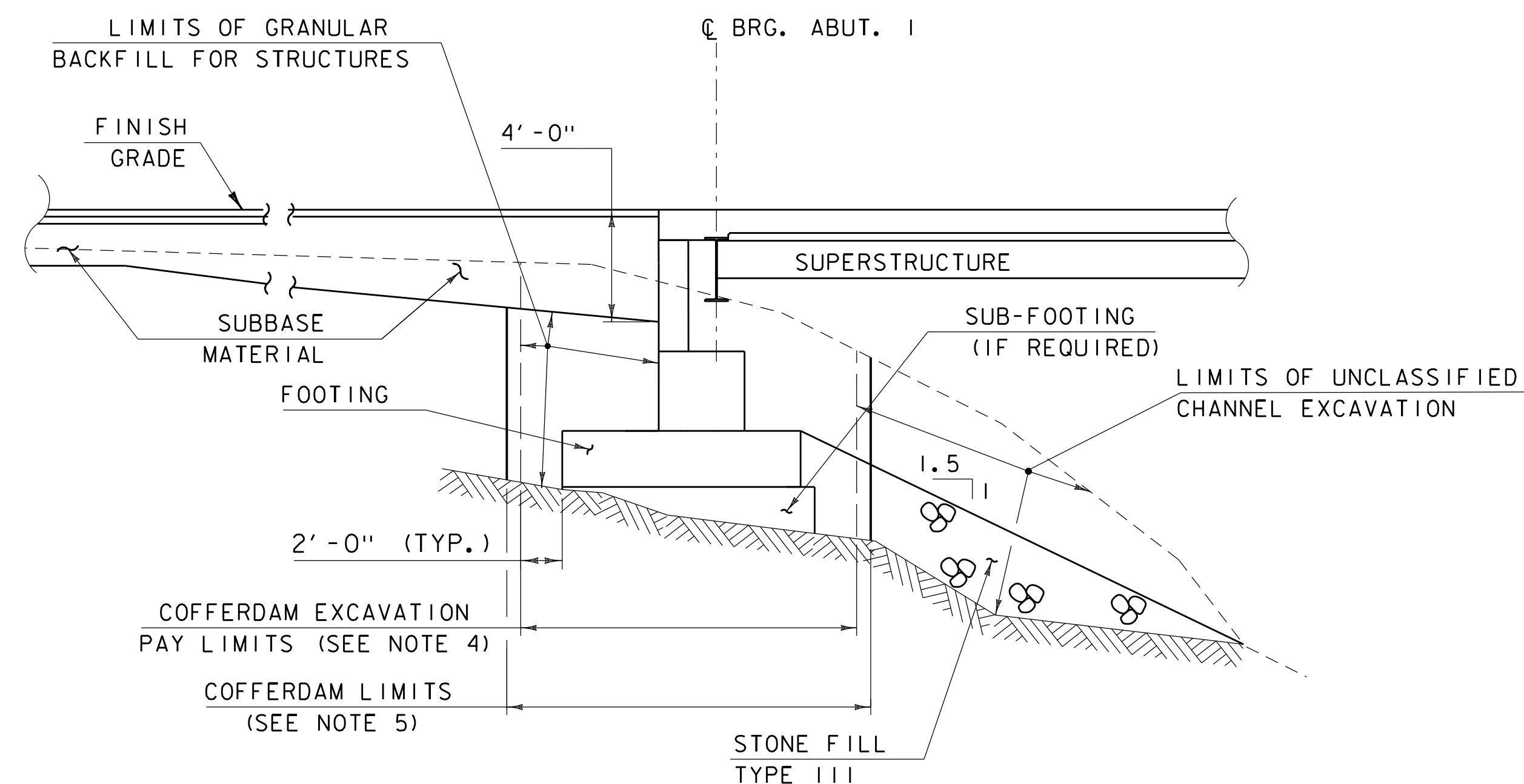
PLOT DATE: 6/26/2023
DRAWN BY: M. DOREO
CHECKED BY: D. KULL
SHEET 3 OF 28



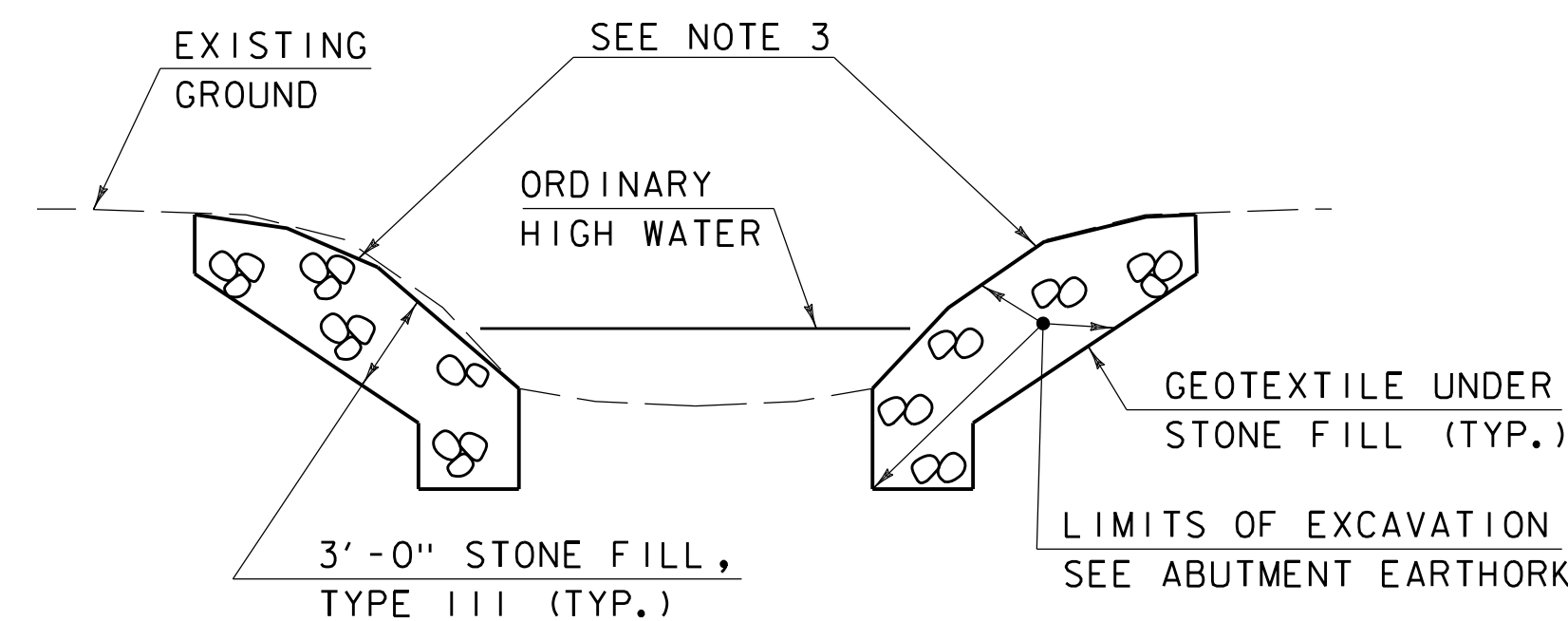
TYPICAL ABUTMENT 1 EARTHWORK SECTION
(AT EXISTING ABUTMENT/WINGWALL)
NOT TO SCALE



TYPICAL ABUTMENT 2 EARTHWORK SECTION
(AT EXISTING ABUTMENT)
NOT TO SCALE



TYPICAL ABUTMENT 1 EARTHWORK SECTION
NOT TO SCALE



TYPICAL CHANNEL SECTION
NOT TO SCALE

NOTES:

1. ANY EXPOSED REINFORCEMENT IN THE EXISTING CONCRETE FOOTINGS/STEM TO REMAIN IN PLACE SHALL BE CUT FLUSH TO SURFACE OF THE CONCRETE TO REMAIN.
2. ALL COSTS FOR CUTTING REINFORCING STEEL WILL BE CONSIDERED INCIDENTAL TO ITEM 529.15, REMOVAL OF STRUCTURE.
3. ADD 12" GRUBBING MATERIAL ON STONE FILL SLOPE ABOVE OHW.
4. EXISTING ABUTMENT REMOVAL SHALL INCLUDE ANYTHING ABOVE ELEV. 689.0' AT ABUTMENT 1 AND 680.0' AT ABUTMENT 2.
5. THE PAY LIMITS OF THE COFFERDAM EXCAVATION ITEMS FOR THE ABUTMENTS SHALL BE 2 FEET OUTSIDE OF THE HORIZONTAL LIMITS OF THE FOOTING AND TO THE VERTICAL LIMITS DEFINED ON THE PLANS. NO CHANGES TO THESE LIMITS WILL BE MADE FOR ENCOUNTERING OBSTRUCTION UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER, ANY EXCAVATION OUTSIDE OF THE IDENTIFIED PAY LIMITS WILL BE MADE AT THE CONTRACTOR'S EXPENSE.
6. COFFERDAM DIMENSIONS TO BE DETERMINED BY THE CONTRACTOR.



McFarland Johnson

MJ PROJECT #:
18502.04

MODEL NAME
EARTHWORK SECTIONS

PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

FILE NAME: z19j222sub.dgn
PROJECT LEADER: D. KULL
DESIGNED BY: S. LISTER
TYPICAL EARTHWORK SECTIONS

PLOT DATE: 6/26/2023
DRAWN BY: M. DOREO
CHECKED BY: D. KULL
SHEET 4 OF 28

GENERAL INFORMATION

SYMBOLOLOGY LEGEND NOTE

THE SYMBOLOLOGY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLOLOGY. THE SYMBOLOLOGY IS USED FOR EXISTING & PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROJECT ANNOTATION, AS NOTED ON PROJECT PLAN SHEETS. THIS LEGEND SHEET COVERS THE BASICS. SYMBOLOLOGY ON PLANS MAY VARY, PLAN ANNOTATIONS AND NOTES SHOULD BE USED TO CLARIFY AS NEEDED.

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

POINT	CODE	DESCRIPTION
	BF	BARRIER FENCE
	CH	CHANNEL EASEMENT
	CONST	CONSTRUCTION EASEMENT
	CUL	CULVERT EASEMENT
	D&C	DISCONNECT & CONNECT
	DIT	DITCH EASEMENT
	DR	DRAINAGE EASEMENT
	DRIVE	DRIVEWAY EASEMENT
	EC	EROSION CONTROL
	HWY	HIGHWAY EASEMENT
	I&M	INSTALL & MAINTAIN EASEMENT
	LAND	LANDSCAPE EASEMENT
	PDF	PROJECT DEMARCATION FENCE
	R&RES	REMOVE & RESET
	R&REP	REMOVE & REPLACE
	R.T.& I.	RIGHT, TITLE, AND INTEREST
	SR	SLOPE RIGHT
	UE	UTILITY EASEMENT
	(P)	PERMANENT EASEMENT
	(T)	TEMPORARY EASEMENT
	■	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

COMMON TOPOGRAPHIC POINT SYMBOLS

POINT	CODE	DESCRIPTION
⊕	APL	BOUND APPARENT LOCATION
▣	BM	BENCHMARK
▣	BND	BOUND
▣	CB	CATCH BASIN
⊕	COMB	COMBINATION POLE
▣	DITHR	DROP INLET THROATED DNC
⊕	EL	ELECTRIC POWER POLE
⊙	FPOLE	FLAGPOLE
⊙	GASFIL	GAS FILLER
⊙	GP	GUIDE POST
⊗	GSO	GAS SHUT OFF
⊙	GUY	GUY POLE
⊙	GUYW	GUY WIRE
⊗	GV	GATE VALVE
⊕	H	TREE HARDWOOD
△	HCTRL	CONTROL HORIZONTAL
△	HVCTRL	CONTROL HORIZ. & VERTICAL
◇	HYD	HYDRANT
⊙	IP	IRON PIN
⊙	IPIPE	IRON PIPE
⊕	LI	LIGHT - STREET OR YARD
⊕	MB	MAILBOX
○	MH	MANHOLE (MH)
▣	MM	MILE MARKER
⊙	PM	PARKING METER
▣	PMK	PROJECT MARKER
⊙	POST	POST STONE/WOOD
⊕	RRSIG	RAILROAD SIGNAL
⊕	RRSL	RAILROAD SWITCH LEVER
⊕	S	TREE SOFTWOOD
⊕	SAT	SATELLITE DISH
⊕	SHRUB	SHRUB
⊕	SIGN	SIGN
⊕	STUMP	STUMP
⊕	TEL	TELEPHONE POLE
⊙	TIE	TIE
⊕	TSIGN	SIGN W/DOUBLE POST
⊕	VCTRL	CONTROL VERTICAL
⊙	WELL	WELL
⊗	WSO	WATER SHUT OFF

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

PROPOSED GEOMETRY CODES

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

UTILITY SYMBOLOLOGY

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)

ABOVE GROUND UTILITIES (AERIAL)

— 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 CONSTRUCTION SYMBOLOLOGY

PROJECT DESIGN & LAYOUT SYMBOLOLOGY

· · · — CZ —	· · ·	CLEAR ZONE
—————		PLAN LAYOUT MATCHLINE

PROJECT CONSTRUCTION FEATURES

△ — △ — △ — △	TOP OF CUT SLOPE
○ — ○ — ○ — ○	TOE OF FILL SLOPE
⊗ ⊗ ⊗ ⊗ ⊗ ⊗	STONE FILL
-----	BOTTOM OF DITCH
=====	CULVERT PROPOSED
-----	STRUCTURE SUBSURFACE
PDF ——— PDF ———	PROJECT DEMARCATION FENCE
BF — x — x — BF — x — x	BARRIER FENCE
xxxxxxxxxxxxxxxxxxxx	TREE PROTECTION ZONE (TPZ)
//////////	STRIPING LINE REMOVAL
~~~~~	SHEET PILES

CONVENTIONAL BOUNDARY SYMBOLOLOGY

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)
SR — ○ — SR — SR — ○		SLOPE RIGHTS
6f ——— 6f ———		6F PROPERTY BOUNDARY
4f ——— 4f ———		4F PROPERTY BOUNDARY
HAZ ——— HAZ ———		HAZARDOUS WASTE

EPSC LAYOUT PLAN SYMBOLOLOGY

EPSC MEASURES

ONMOONMOONMO	FILTER CURTAIN
—	SILT FENCE
— x — x — x	SILT FENCE WOVEN WIRE
—	CHECK DAM
▣	DISTURBED AREAS REQUIRING RE-VEGETATION
⊗	EROSION MATTING

SEE EPSC DETAIL SHEETS FOR ADDITIONAL SYMBOLOLOGY

ENVIRONMENTAL RESOURCES

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

ARCHEOLOGICAL & HISTORIC

——— ARCH ———	ARCHEOLOGICAL BOUNDARY
——— HISTORIC DIST ———	HISTORIC DISTRICT BOUNDARY
——— HISTORIC ———	HISTORIC AREA
Ⓜ	HISTORIC STRUCTURE

CONVENTIONAL TOPOGRAPHIC SYMBOLOLOGY

EXISTING FEATURES

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

 McFarland Johnson			PROJECT NAME: WOLCOTT	
			PROJECT NUMBER: BO 1446(38)	
	MJ PROJECT #: 18502.04	MODEL NAME LEGEND	FILE NAME: z19v2221dx.dgn PROJECT LEADER: D. KULL DESIGNED BY: S. LISTER CONVENTIONAL SYMBOLOLOGY LEGEND	PLOT DATE: 6/26/2023 DRAWN BY: M. DOREO CHECKED BY: D. KULL SHEET 5 OF 28

PRIMARY CONTROL

HVCTRL 1
NORTH= 746775.2090
EAST = 1649667.4060
ELEV. = 689.8100

TO REACH FROM THE INTERSECTION OF ROUTES 15 AND 14 NORTH IN HARDWICK, GO WEST ALONG ROUTE 15 FOR 5.4 MI (8.7 KM) TO THE WOLCOTT CHURCH OF THE NAZARENE AND THE SITE OF THE MARK ON THE LEFT.

THE MARK IS A MAG NAIL SET IN THE PAVED SHOULDER OF ROUTE 15.

IT IS 16.0 FT (4.9 M) SOUTHWEST OF AND ABOUT LEVEL WITH THE CENTERLINE OF ROUTE 15, 65.0 FT (19.8 M) NORTHEAST OF A LUMEN POLE, 61.2 FT (18.7 M) EAST-NORTHEAST OF THE NORTHEAST CORNER OF THE CHURCH ELL AND 66.4 FT (20.2 M) EAST OF THE NORTHEAST CORNER OF THE CHURCH.

HVCTRL 3
NORTH= 746168.6260
EAST = 1651139.3810
ELEV. = 694.8100

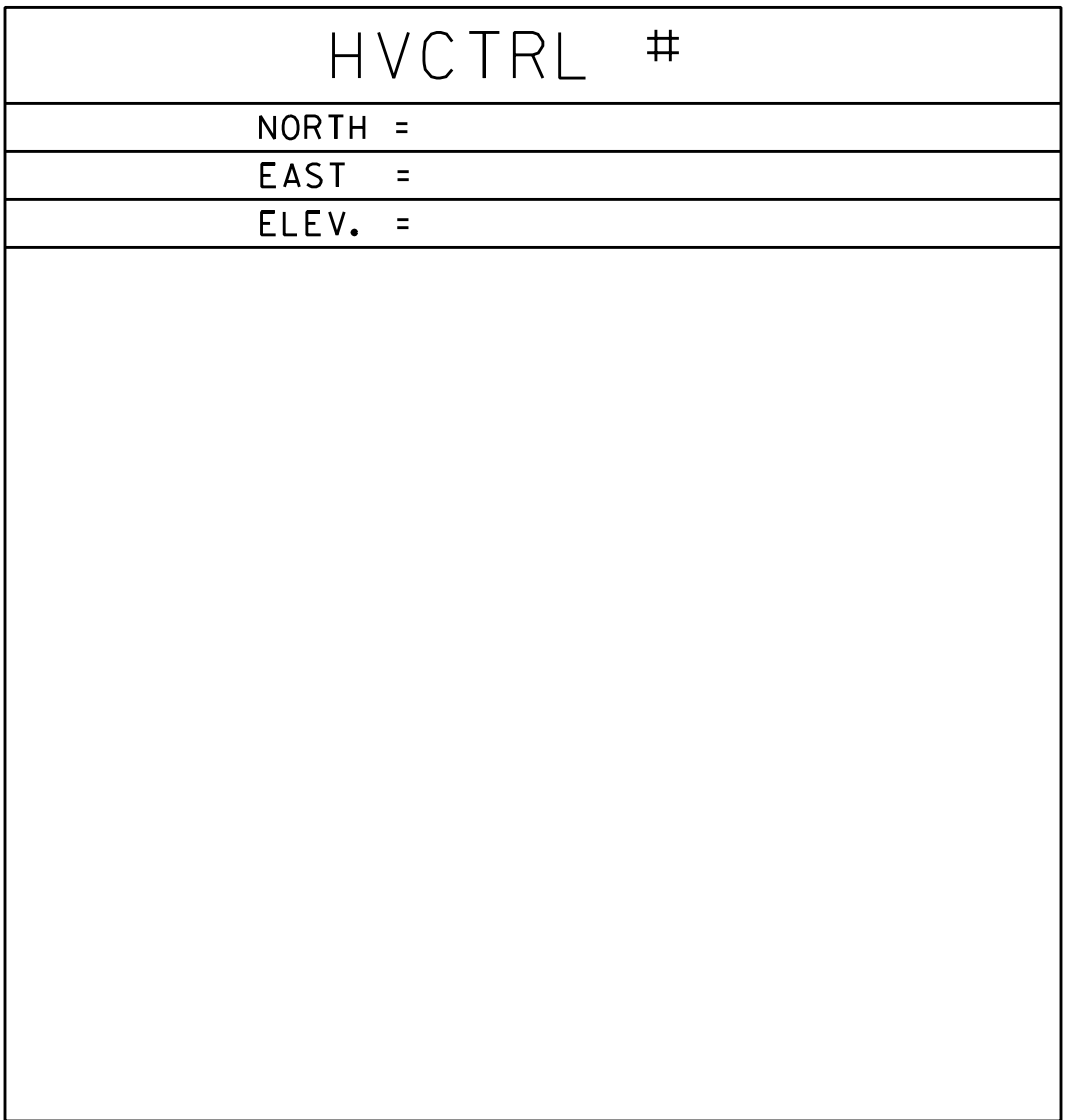
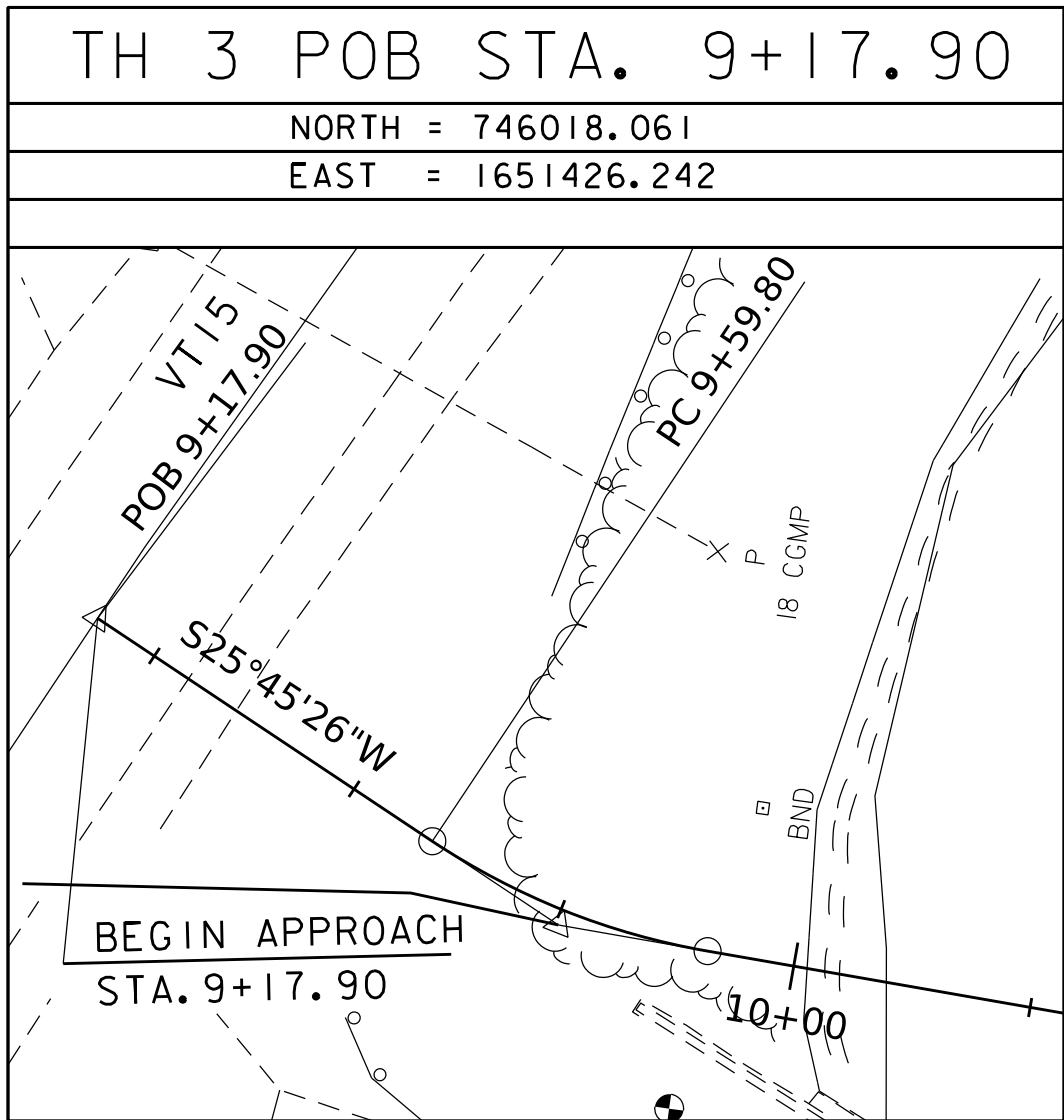
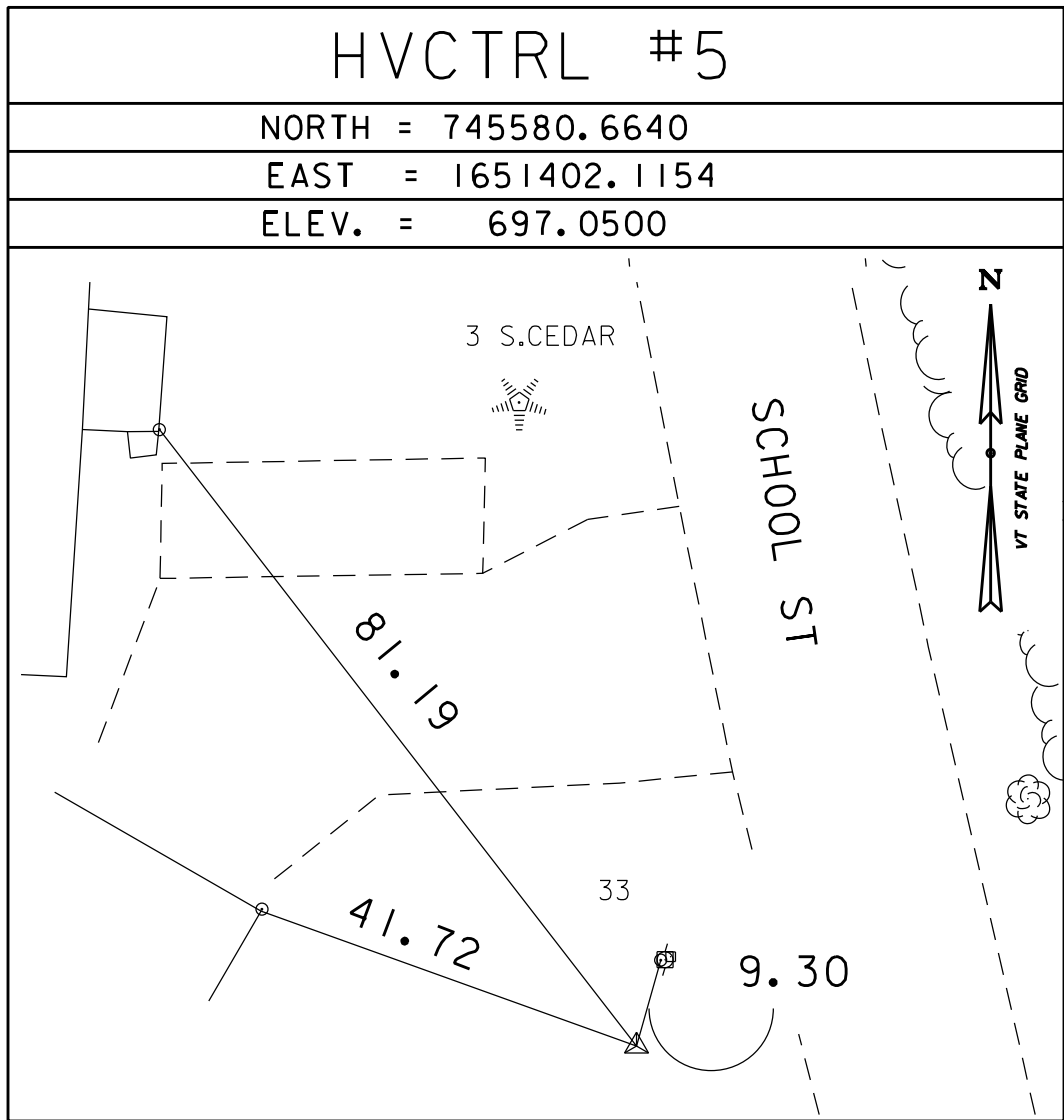
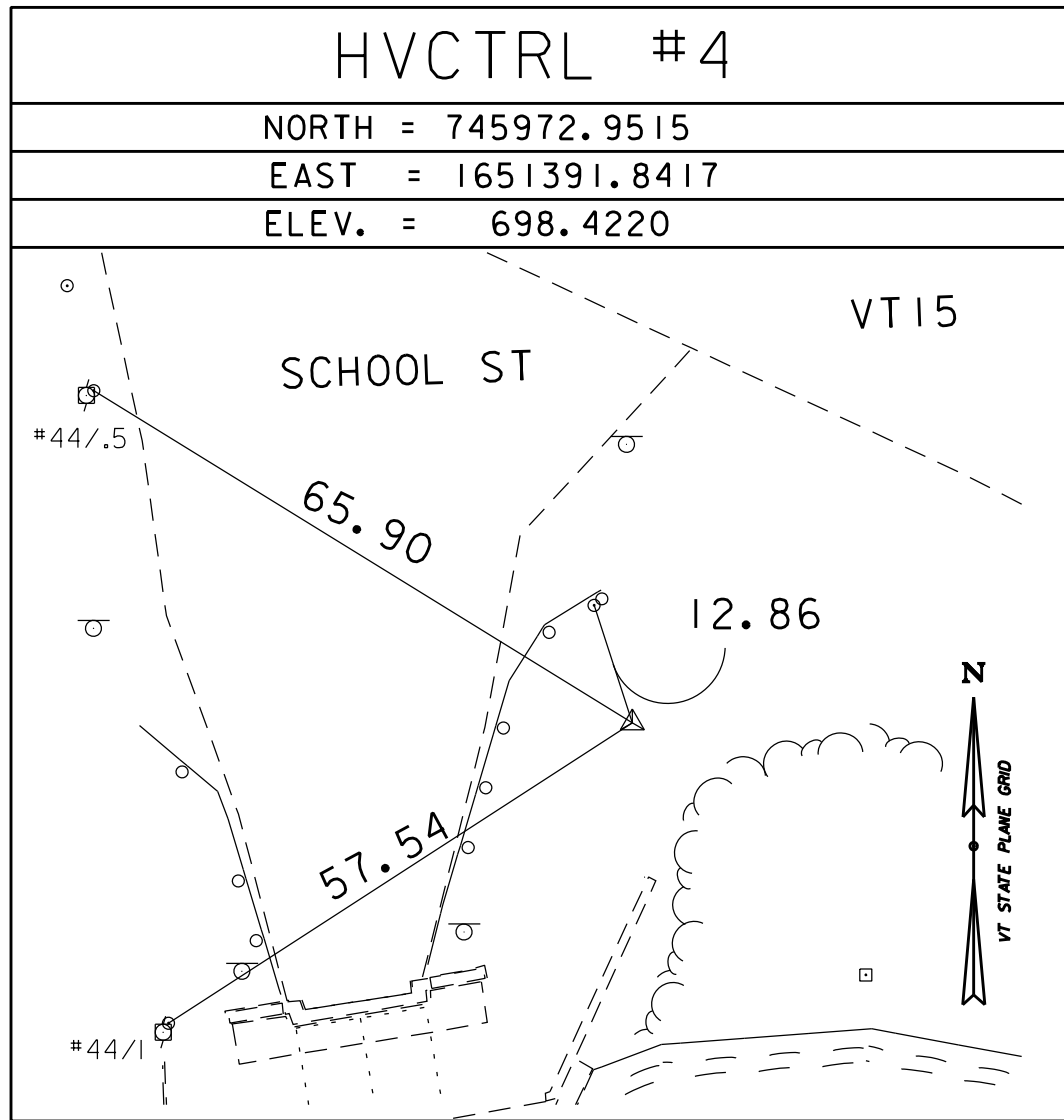
TO REACH FROM THE INTERSECTION OF ROUTES 15 AND 14 NORTH IN HARDWICK, GO WEST ALONG ROUTE 15 FOR 5.05 MI (8.1 KM) TO THE SITE OF THE MARK ON THE RIGHT.

THE MARK IS A MAG NAIL SET IN THE PAVED SHOULDER OF ROUTE 15.

IT IS 17.5 FT (5.3 M) NORTHEAST OF ABOUT 0.5 FT (15 CM) LOWER THAN THE CENTERLINE OF ROUTE 15, 42.0 FT (12.8 M) EAST OF AND ACROSS THE ROAD FROM THE EAST CORNER OF BUILDING 4232, 27.8 FT (8.5 M) SOUTH-SOUTHEAST OF POLE 1034 AND 9.5 FT (2.9 M) WEST OF A DRAINAGE INLET.

COORDINATES ON 1 AND 3 WERE CREATED FROM GNSS OBSERVATIONS

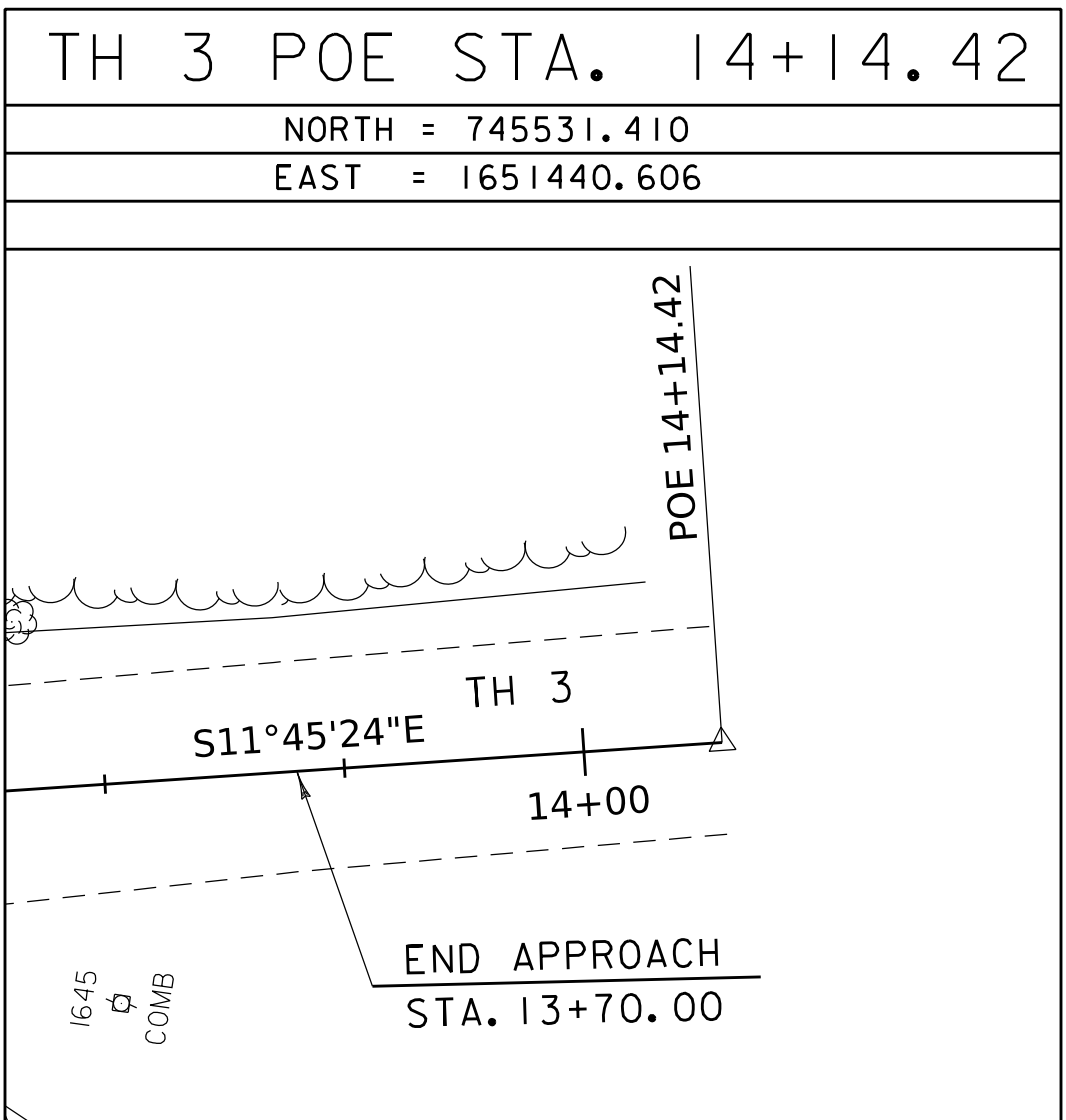
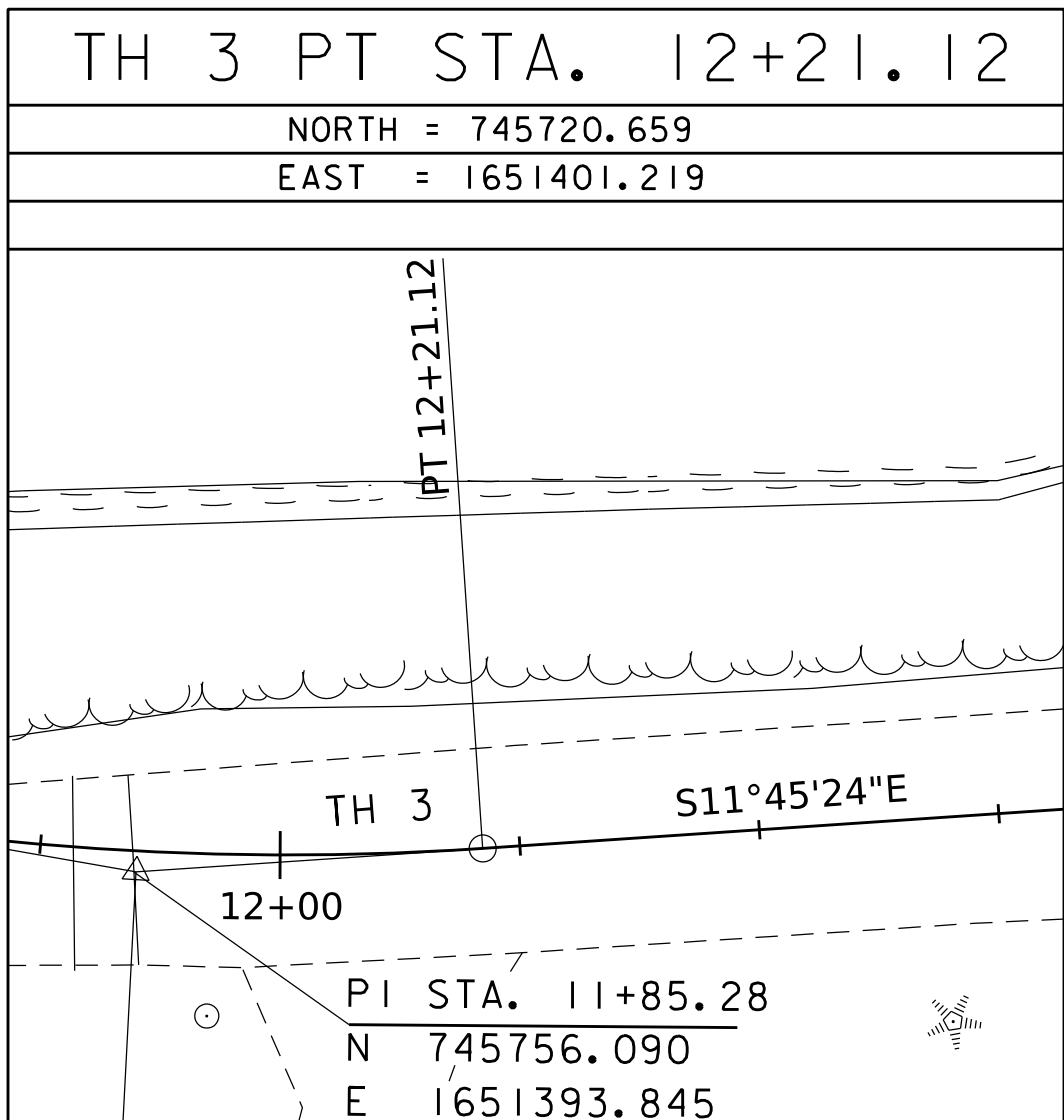
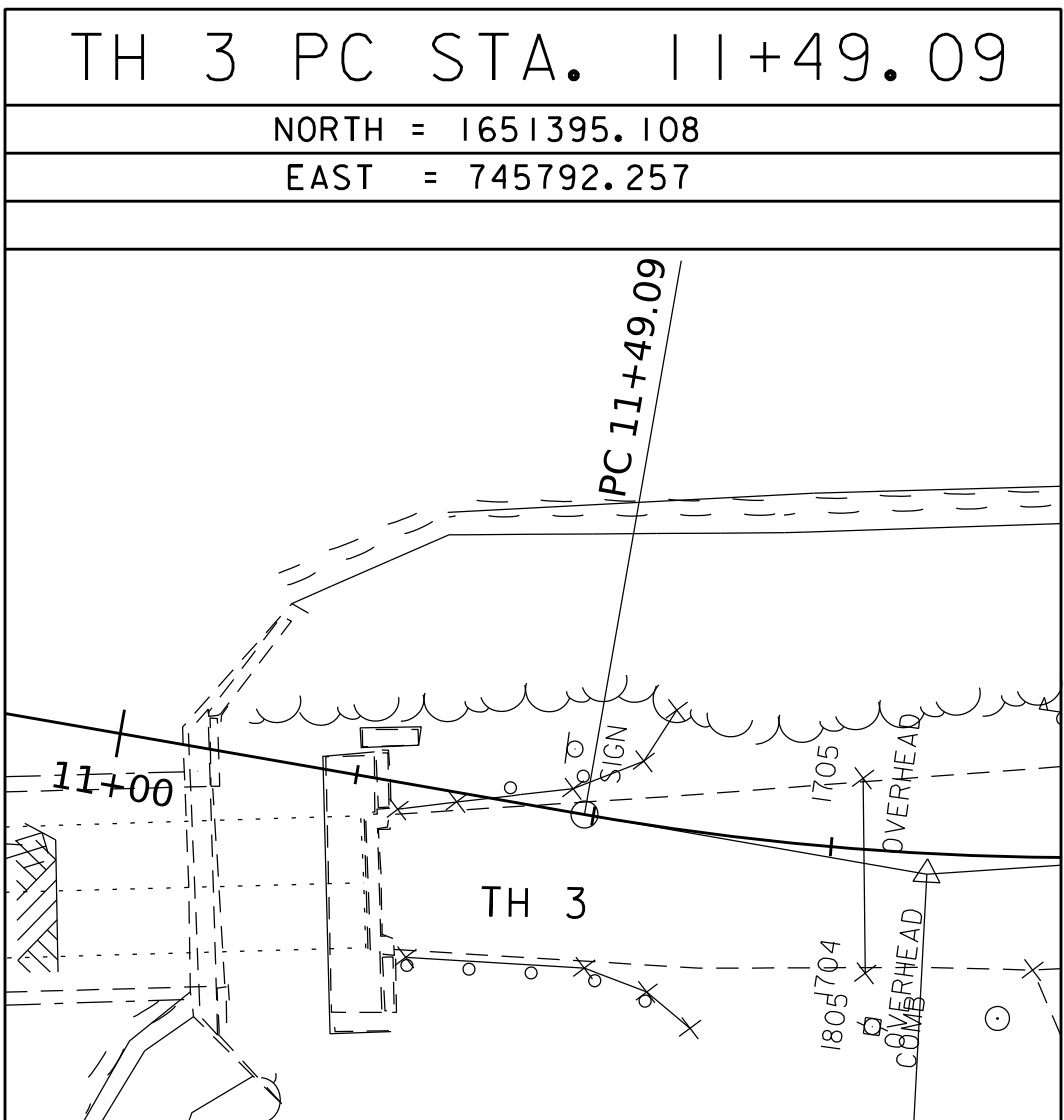
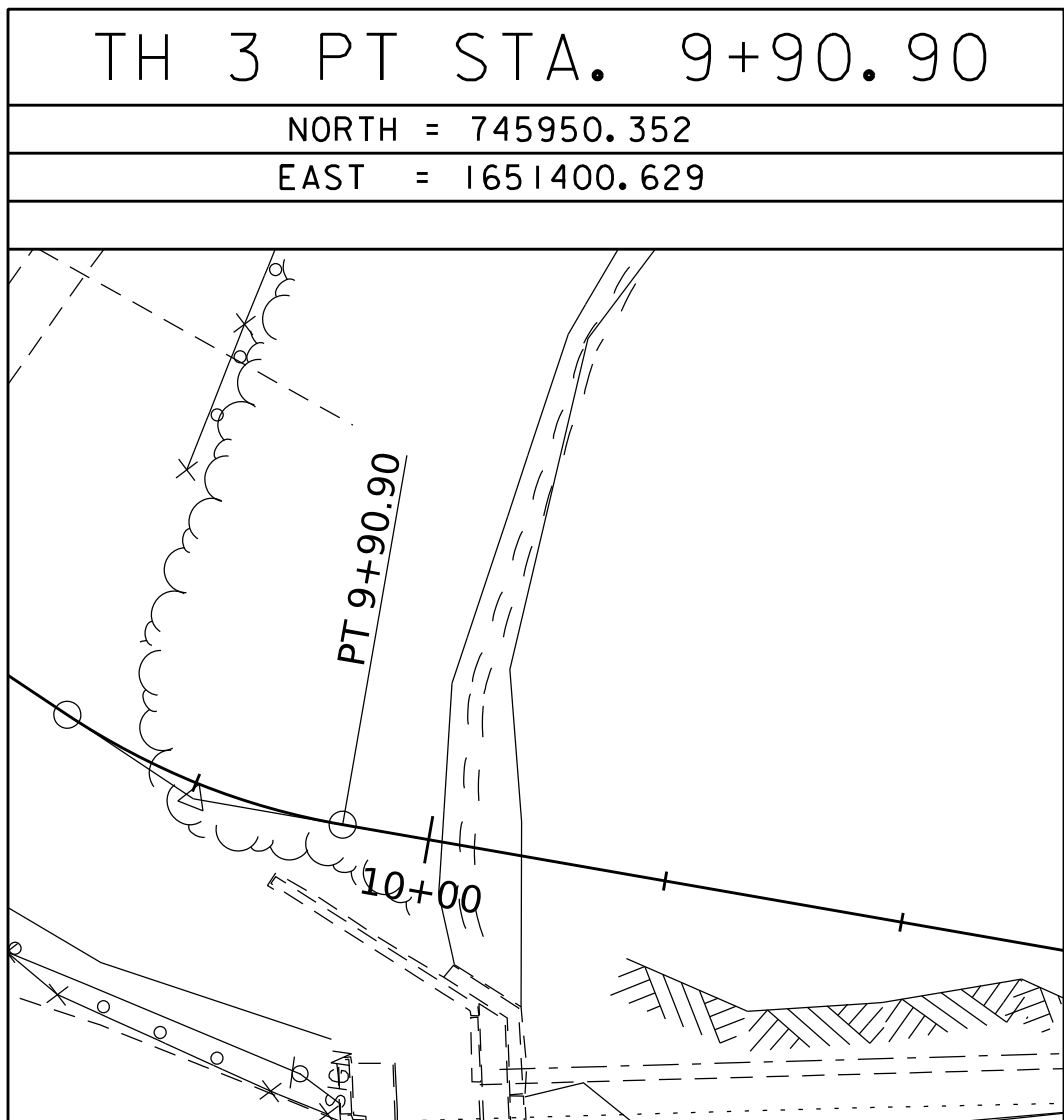
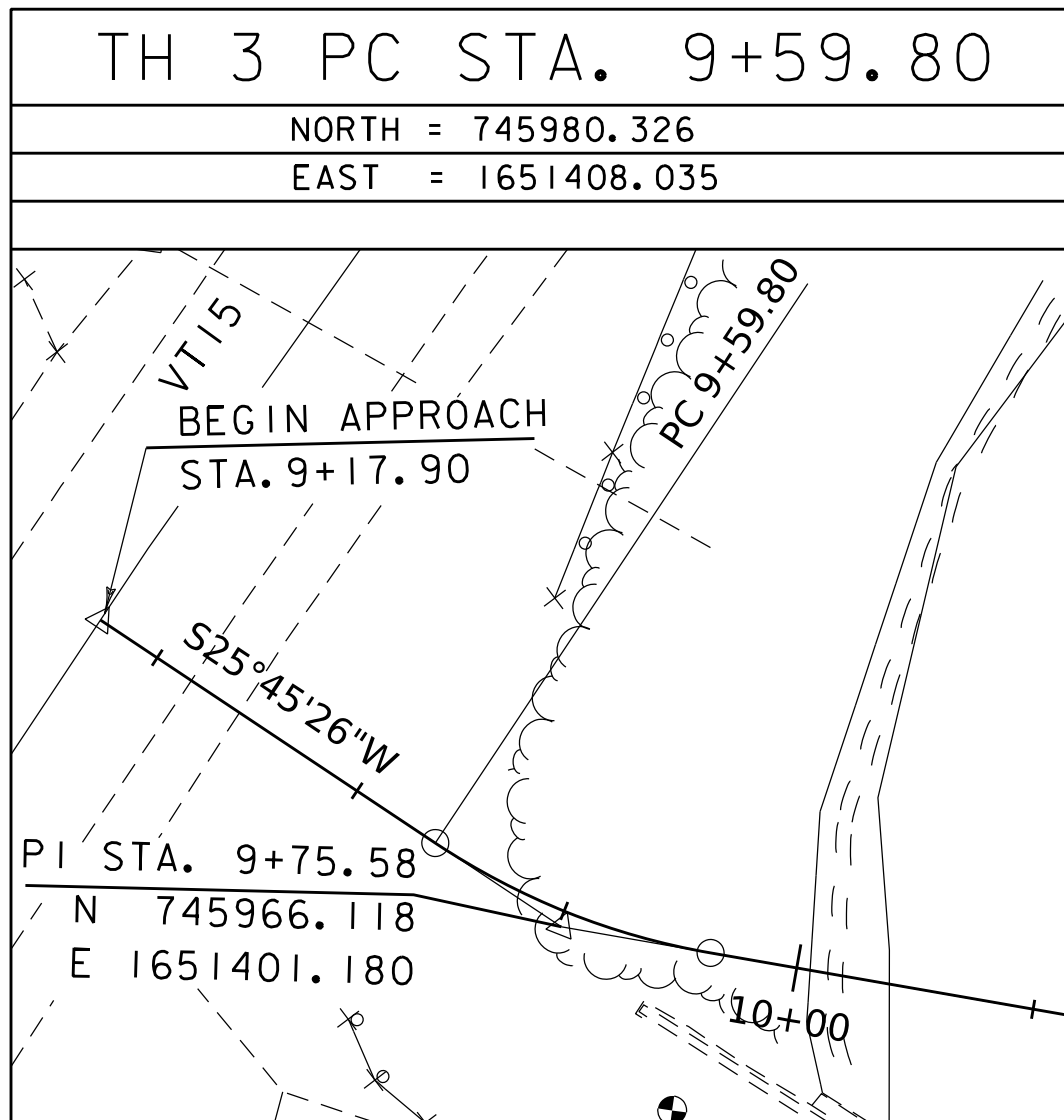
SECONDARY CONTROL



* MAIN TRAVERSE COMPLETED ON 2/24/2020 BY R.GILMAN, B.HERRING AND H. MCGOWAN

ALIGNMENT TIES

ALIGNMENT TIES



DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD83 (2011)
ADJUSTMENT	COMPASS



MJ PROJECT #:	MODEL NAME
18502.04	TIE SHEET

PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

FILE NAME: x19j222+1.dgn
PROJECT LEADER: D. KULL
DESIGNED BY: VTRANS
TIE SHEET

PLOT DATE: 6/26/2023
DRAWN BY: HMCOWAN
CHECKED BY: R. GILMAN
SHEET 6 OF 28

1 STA 223+90.65 C/L
REMOVE 11'-0" OF EXISTING
18" CGMP/RCP
(INCIDENTAL TO ITEM 529.15 -
REMOVAL OF STRUCTURE)
STA. 223+90.65 108.0' RT TO
STA. 223+96.30 116.4' RT
INV. OUT = 691.8'

2 STA 282+70 C/L
EXTEND EXISTING 18" CGMP (5')
STA. 224+67.90 50.5' RT TO
STA. 224+68.31 54.4' RT
INV. OUT = 596.8'

END COARSE-MILLING
BITUMINOUS PAVEMENT
MATCH EXISTING
STA 227+10.00

TEMPORARY CONSTRUCTION
ACCESS CUT/FILL LIMITS

MATCH EXISTING GUARDRAIL
STA 225+13.60

BEGIN PROJECT
STA. 9+35.29

BEGIN APPROACH
STA. 224+25.00
= STA. 9+17.90
MATCH EXISTING

BEGIN COARSE-MILLING
BITUMINOUS PAVEMENT
MATCH EXISTING
STA 223+15.00

VT RTE 15

EXISTING STONE WALL
DO NOT DISTURB

EXISTING ABUTMENT
TO BE PARTIALLY
REMOVED

EXISTING TEMPORARY
BRIDGE & EXISTING
BRIDGE TO BE REMOVED

EXISTING ABUTMENT
TO BE PARTIALLY
REMOVED

CURVE (1)
DELTA = 23°45'26"
D = 76°23'40"
R = 75.00'
T = 15.78'
L = 31.10'
e = 1.64'

CURVE (2)
DELTA = 13°45'25"
D = 19°05'55"
R = 300.00'
T = 36.19'
L = 72.03'
e = 2.17'

COARSE - MILLING, BITUMINOUS PAVEMENT
STA. 12+09.1 RT

HAND-PLACED BITUMINOUS CONCRETE MATERIAL,
DRIVES

STA. 12+09.1 RT
STA. 13+18.4 RT

STONE FILL, TYPE I

STA. 223+22.9 - 223+89.5 RT
STA. 11+63.0 - 12+87.2 LT
STA. 11+34.0 - 11+97.5 RT

STONE FILL, TYPE III

STA. 9+49.2 - 10+66.2 LT
STA. 9+88.7 - 10+16.9 RT
STA. 11+09.3 - 11+80.5 LT
STA. 11+09.3 - 11+41.6 RT

REMOVE AND RESET MAILBOX, SINGLE SUPPORT

STA. 11+98.83 LT

STEEL BEAM GUARDRAIL, GALVANIZED

STA. 11+65.8 - 12+45.3 LT
STA. 11+64.2 - 11+79.3 RT
STA. 9+55.6 - 9+72.3 RT
STA. 224+63.5 - 225+14.5 RT (VT ROUTE 15)
STA. 9+45.6 - 9+55.6 RT
STA. 12+45.3 - 12+59.7 LT
STA. 11+79.3 - 11+90.8 RT
STA. 9+46.8 - 9+63.6 LT

ANCHOR FOR STEEL BEAM RAIL

STA. 225+13.6 RT
STA. 11+91.1 RT
STA. 12+59.7 LT

GUARDRAIL APPROACH SECTION
GALVANIZED 3 RAIL BOX BEAM

STA. 9+63.6 - 9+98.0 LT
STA. 9+72.3 - 9+98.0 RT
STA. 11+35.0 - 11+65.8 LT
STA. 11+35.0 - 11+64.2 RT

REMOVAL AND DISPOSAL OF GUARDRAIL

STA. 9+61.9 - 9+94.6 RT
STA. 9+79.8 - 9+98.2 RT
STA. 11+29.8 - 11+57.0 LT
STA. 11+33.3 - 11+62.8 RT
STA. 224+53.8 - 225+14.4 RT (VT ROUTE 15)

GEOTEXTILE UNDER STONE FILL

STA. 9+49.2 - 10+66.2 LT
STA. 9+88.7 - 10+16.9 RT
STA. 11+09.3 - 11+80.5 LT
STA. 11+09.3 - 11+41.6 RT

BARRIER FENCE

STA. 9+35.29 - 10+62.58 LT
STA. 9+35.29 - 10+22.85 RT
STA. 11+08.75 - 12+04.28 RT
STA. 11+82.38 - 13+70.00 LT
STA. 12+25.00 - 13+00.00 RT
STA. 13+35.00 - 13+70.00 RT

SPECIAL PROVISION (TEMPORARY WATER
DIVERSION BARRIER)

STA. 10+22.68 - 10+76.85
STA. 11+04.19 - 12+32.93

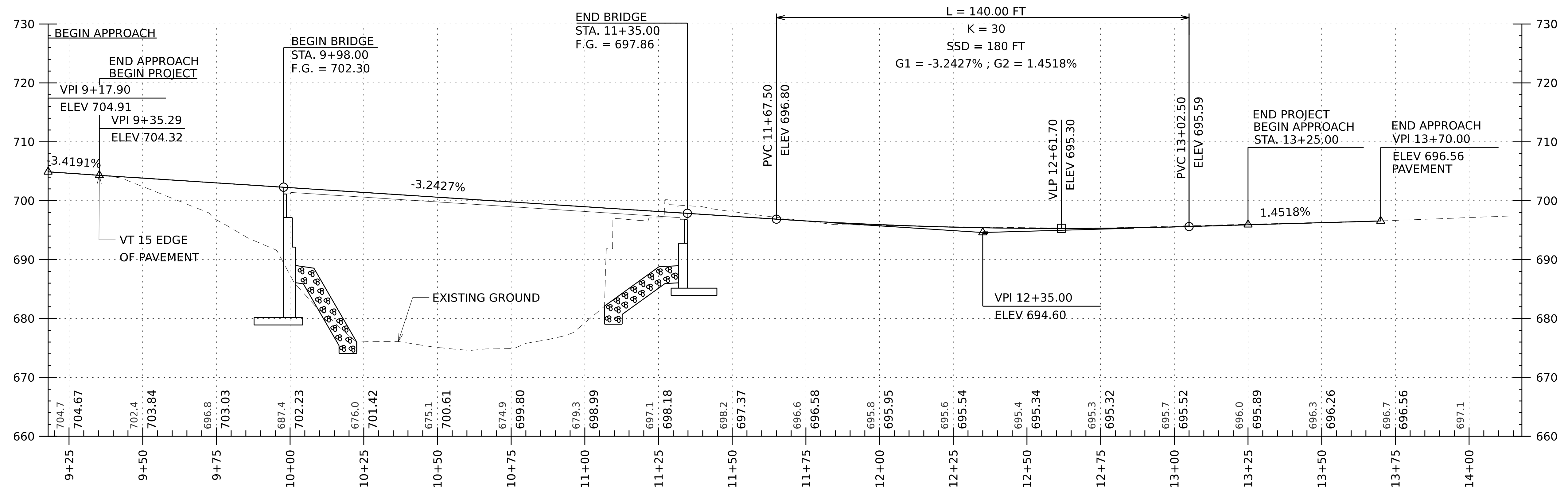
0 20 40
SCALE IN FEET

McFarland Johnson

PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

FILE NAME: z19v2221op.dgn
PROJECT LEADER: D. KULL
DESIGNED BY: S. LISTER
LAYOUT PLAN

PLOT DATE: 6/26/2023
DRAWN BY: M. DOREO
CHECKED BY: D. KULL
SHEET 7 OF 28

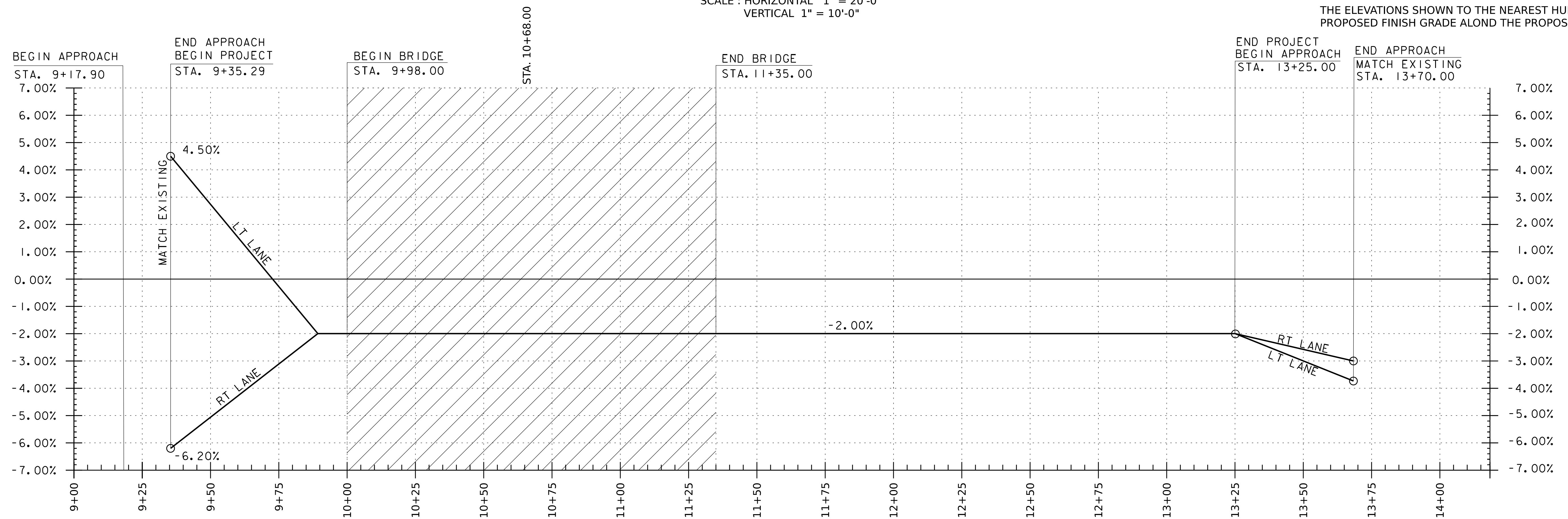


PROPOSED TH 3 (SCHOOL ST.)

SCALE : HORIZONTAL 1" = 20'-0"
VERTICAL 1" = 10'-0"

NOTES:
THE ELEVATIONS SHOWN TO THE NEAREST TENTH ARE FOR EXISTING
GROUND ALONG THE PROPOSED CENTERLINE.

THE ELEVATIONS SHOWN TO THE NEAREST HUNDRETH ARE FOR THE
PROPOSED FINISH GRADE ALONG THE PROPOSED CENTERLINE.



BANKING DIAGRAM

SCALE : HORIZONTAL 1" = 20'-0"
VERTICAL 1/2" = 1%

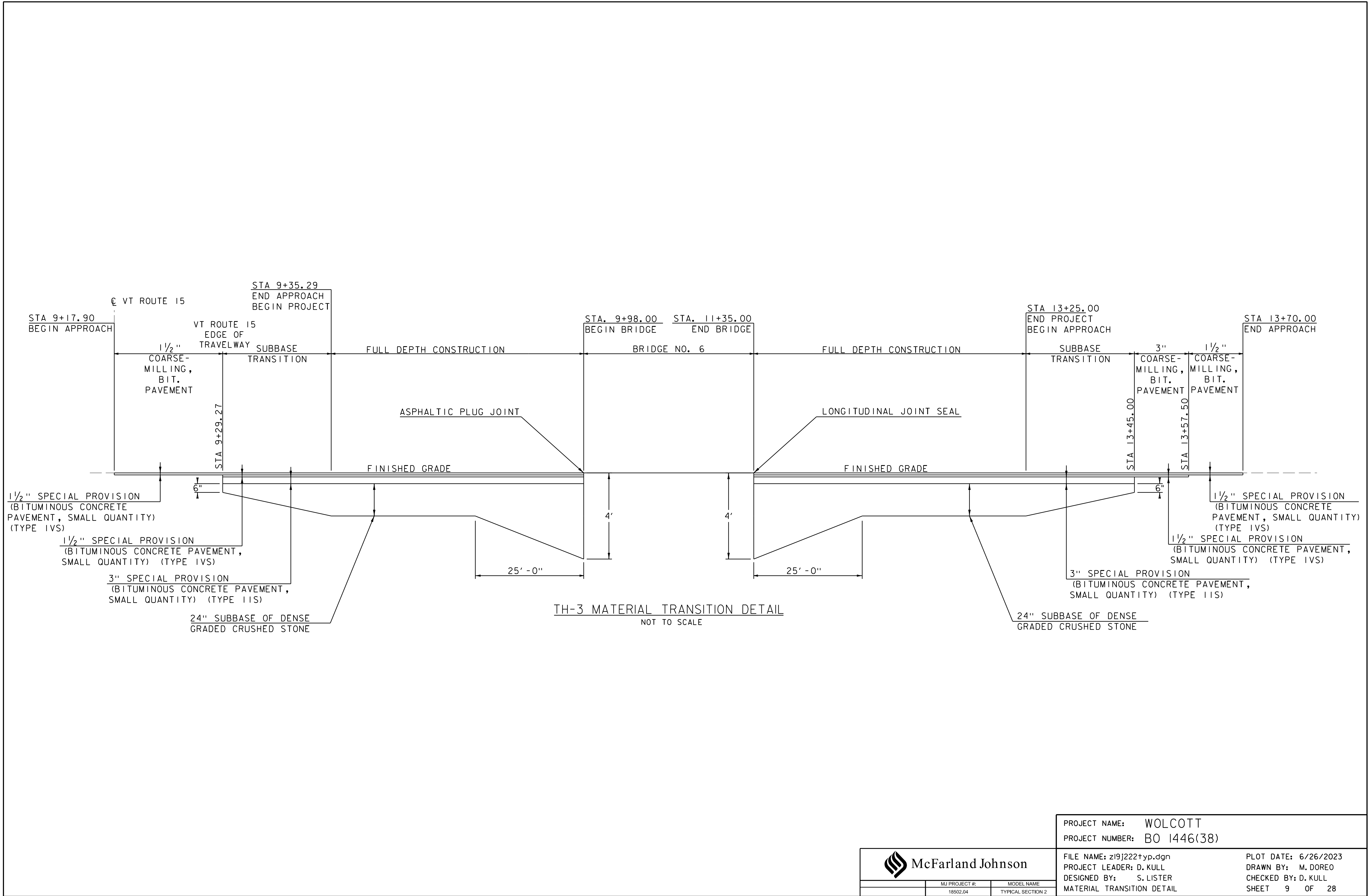


	MJ PROJECT #:	MODEL NAME
	18502.04	PROFILE SHEET

PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

FILE NAME: z19v222geom.dgn
PROJECT LEADER: D. KULL
DESIGNED BY: S. LISTER
PROFILE AND BANKING SHEET

PLOT DATE: 6/26/2023
DRAWN BY: M. DOREO
CHECKED BY: D. KULL
SHEET 8 OF 28

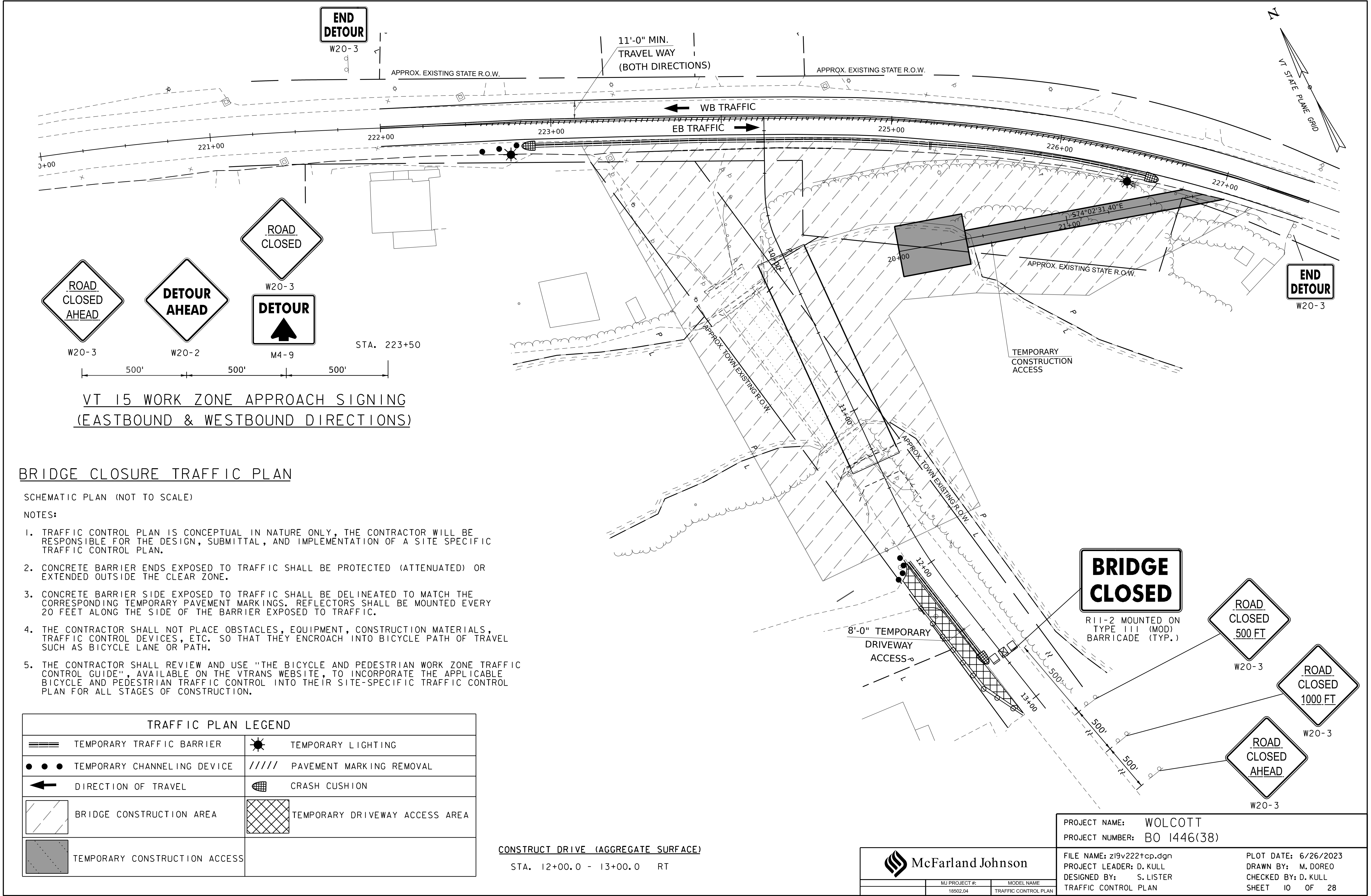


MJ PROJECT #	MODEL NAME
18502.04	TYPICAL SECTION 2

PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

FILE NAME: z19j222+tp.dgn
PROJECT LEADER: D. KULL
DESIGNED BY: S. LISTER
MATERIAL TRANSITION DETAIL

PLOT DATE: 6/26/2023
DRAWN BY: M. DOREO
CHECKED BY: D. KULL
SHEET 9 OF 28

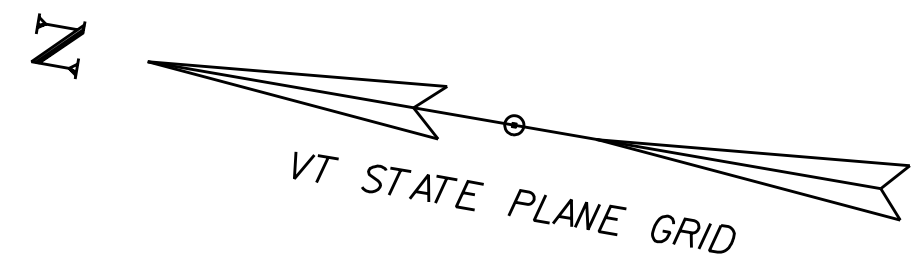


SCHEMATIC PLAN (NOT TO SCALE)

NOTES:

1. TRAFFIC CONTROL PLAN IS CONCEPTUAL IN NATURE ONLY, THE CONTRACTOR WILL BE RESPONSIBLE FOR THE DESIGN, SUBMITTAL, AND IMPLEMENTATION OF A SITE SPECIFIC TRAFFIC CONTROL PLAN.
2. CONCRETE BARRIER ENDS EXPOSED TO TRAFFIC SHALL BE PROTECTED (ATTENUATED) OR EXTENDED OUTSIDE THE CLEAR ZONE.
3. CONCRETE BARRIER SIDE EXPOSED TO TRAFFIC SHALL BE DELINEATED TO MATCH THE CORRESPONDING TEMPORARY PAVEMENT MARKINGS. REFLECTORS SHALL BE MOUNTED EVERY 20 FEET ALONG THE SIDE OF THE BARRIER EXPOSED TO TRAFFIC.
4. THE CONTRACTOR SHALL NOT PLACE OBSTACLES, EQUIPMENT, CONSTRUCTION MATERIALS, TRAFFIC CONTROL DEVICES, ETC. SO THAT THEY ENCROACH INTO BICYCLE PATH OF TRAVEL SUCH AS BICYCLE LANE OR PATH.
5. THE CONTRACTOR SHALL REVIEW AND USE "THE BICYCLE AND PEDESTRIAN WORK ZONE TRAFFIC CONTROL GUIDE", AVAILABLE ON THE VTRANS WEBSITE, TO INCORPORATE THE APPLICABLE BICYCLE AND PEDESTRIAN TRAFFIC CONTROL INTO THEIR SITE-SPECIFIC TRAFFIC CONTROL PLAN FOR ALL STAGES OF CONSTRUCTION.

TRAFFIC PLAN LEGEND			
=====	TEMPORARY TRAFFIC BARRIER	☀	TEMPORARY LIGHTING
● ● ●	TEMPORARY CHANNELING DEVICE	/////	PAVEMENT MARKING REMOVAL
←	DIRECTION OF TRAVEL	☐	CRASH CUSHION
▨	BRIDGE CONSTRUCTION AREA	▩	TEMPORARY DRIVEWAY ACCESS AREA
▧	TEMPORARY CONSTRUCTION ACCESS		



APPROXIMATE LOCATION OF EXISTING ABANDONED
DIRECT BURIED COPPER LINE AND ACTIVE FIBER OPTIC LINE.
THE FIBER OPTIC LINE TO BE ABANDONED BY OTHERS
PRIOR TO CONSTRUCTION.

APPROXIMATE LOCATION OF EXISTING
ABANDONED DIRECT BURIED COPPER
COMMUNICATION LINE.

EXISTING POLE LINE ALONG
VT ROUTE 15 TO BE UPGRADED
BY OTHERS TO ALLOW FOR
3 PHASE POWER TO BE ADDED.

BEGIN PROJECT
STA. 9+35.29

AERIAL UTILITY LINES
TO BE RELOCATED BY OTHERS

LAMOILLE RIVER
FLOW

Q BRG. ABUT NO. 1
STA 10+00.00

END PROJECT
STA. 13+25.00

APPROX. TOWN EXISTING R.O.W.

TH-3 (SCHOOL ST)
TO EAST ELMORE

APPROX. TOWN EXISTING R.O.W.

Q BRG. ABUT NO. 2
STA 11+33.00

COMMUNICATION LINES ONLY DURING BRIDGE CONSTRUCTION.
POWER TO BE INSTALLED ON UTILITY POLES BY OTHERS AFTER
BRIDGE CONSTRUCTION HAS BEEN COMPLETED.

MARK	STATION	OFFSET	NORTHING	EASTING	REMARKS	POLE NUMBER
UP#1	224+74.2	22.3' LT	745996.9	1651470.8	REPLACE POLE BY OTHERS.	TBD
UP#2	223+36.0	21.3' LT	746075.9	1651355.2	REPLACE POLE BY OTHERS.	TBD
UP#3	223+47.4	49.5' RT	746007.0	1651335.0	REMOVE EXISTING POLE AND ANCHOR BY OTHERS.	---
UP#4	9+82.7	64.2' RT	745967.8	1651337.8	PROPOSED POLE WITH 25' BISECT ANCHOR BY OTHERS.	TBD
UP#5	10+02.5	57.3' RT	745940.7	1651343.0	REMOVE EXISTING POLE AND ANCHORS BY OTHERS.	---
UP#6	11+80.6	18.4' RT	746075.9	1651355.2	RETAIN EXISTING POLE. INSTALL TEMPORARY 22' PUSH BRACE AND TEMPORARY 20' DEAD END ANCHOR BY OTHERS.	TBD
UP#7	13+50.1	22.8' RT	745589.7	1651405.1	RETAIN EXISTING POLE.	TBD
UP#8	11+77.3	15.2' LT	745765.0	1651410.6	REMOVE EXISTING SPAN GUY WIRE, POLE AND ANCHOR BY OTHERS.	---
UP#9	11+77.2	17.9' LT	745765.2	1651413.3	PROPOSED SPAN GUY POLE AND 3-15' ANCHOR (TO BE INSTALLED AFTER BRIDGE CONSTRUCTION IS COMPLETED) BY OTHERS	TBD
UP#10	225+30.5	28.6' RT	745943.7	1651504.1	REMOVE EXISTING POLE AND ANCHOR BY OTHERS.	---

0 20 40
SCALE IN FEET



McFarland Johnson

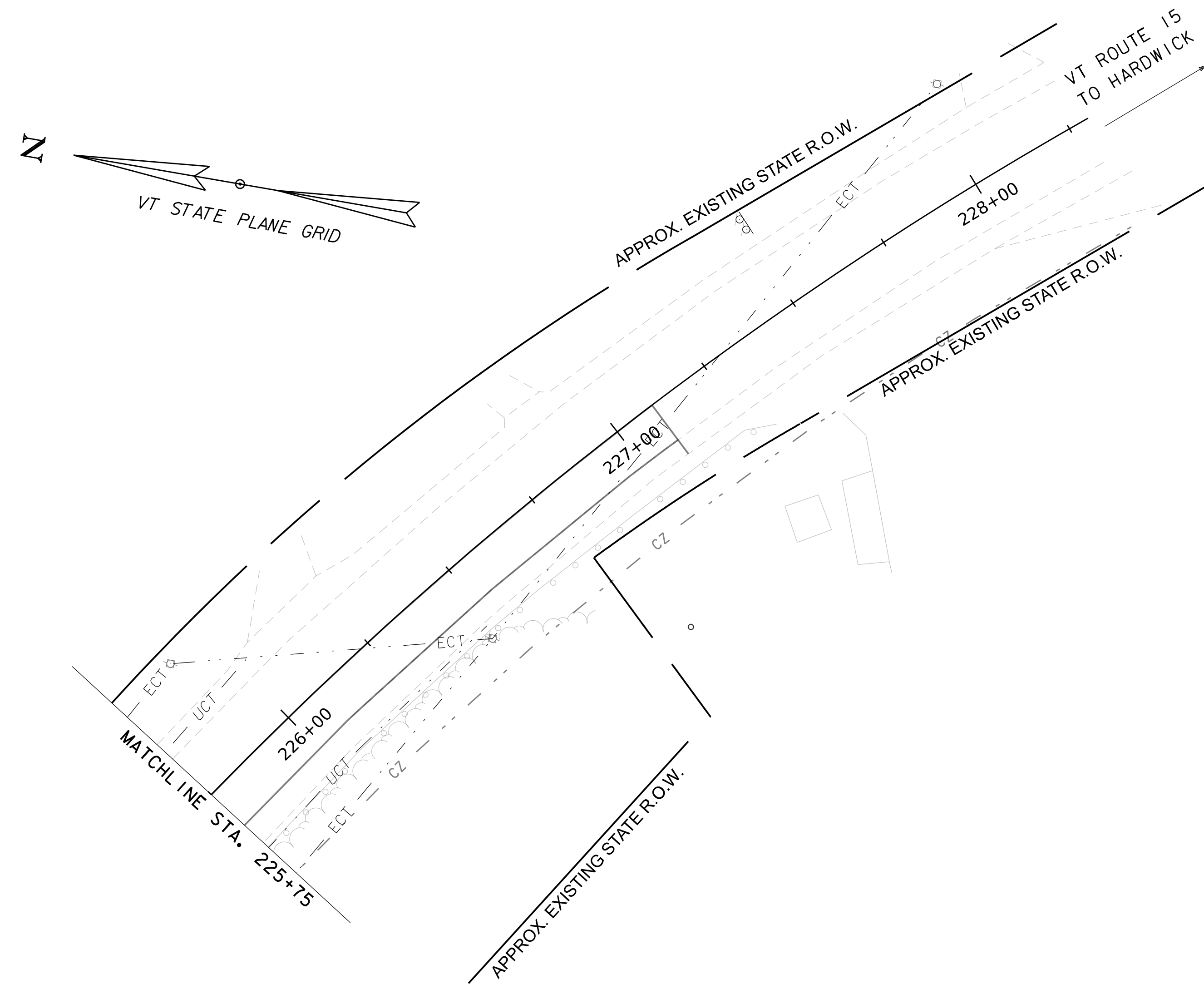
MJ PROJECT #:
18502.04

MODEL NAME
UTL RELOCATION PLAN

PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

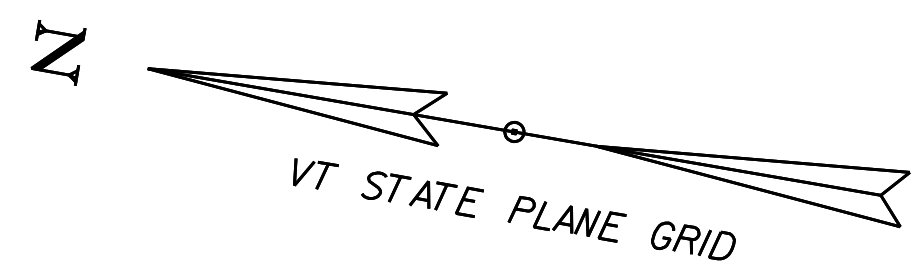
FILE NAME: z19v222u1.dgn
PROJECT LEADER: D. KULL
DESIGNED BY: S. LISTER
UTILITY RELOCATION PLAN SHEET I

PLOT DATE: 6/26/2023
DRAWN BY: M. DOREO
CHECKED BY: D. KULL
SHEET II OF 28



MJ PROJECT #:		MODEL NAME
18502.04		UTL RELOCATION PLAN

PROJECT NAME: WOLCOTT	
PROJECT NUMBER: BO 1446(38)	
FILE NAME: z19v222utl relocation.dgn	PLOT DATE: 6/26/2023
PROJECT LEADER: D. KULL	DRAWN BY: M. DOREO
DESIGNED BY: S. LISTER	CHECKED BY: D. KULL
UTILITY RELOCATION PLAN SHEET 2	SHEET 12 OF 28



BEGIN PROJECT
STA. 9+35.29

BEGIN APPROACH
STA. 9+17.90
MATCH EXISTING

4" DY

VT RTE 15

4" SW

223+00

224+00

225+00

226+00

227+00

228+00

229+00

230+00

231+00

232+00

233+00

234+00

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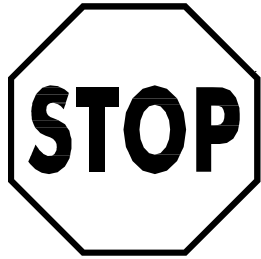
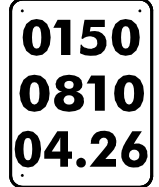
510+00

511+00

512+00

513+00

514+00

TRAFFIC SIGN SUMMARY							
ID NUMBER	SIGN TEXT	SIZE OF SIGN		NUMBER OF SIGNS REQ'D	AREA OF EACH SIGN (SF)	COLOR	REMARKS
		WIDTH (IN)	HEIGHT (IN)				
D3-1		30	8	1	1.67	GREEN AND WHITE	
R1-1		30	30	1	6.25	RED AND WHITE	
VD-700		6	10	2	.42	BLACK AND WHITE	MOUNT BACK TO BACK ON R1-1 POST
VR-017		30	24	1	5.0	BLACK AND WHITE	



McFarland Johnson

MJ PROJECT #:	MODEL NAME
18502.04	SIGN LAYOUT SHEET

PROJECT NAME: WOLCOTT	
PROJECT NUMBER: BO 1446(38)	
FILE NAME: z19v222ssp.dgn	PLOT DATE: 6/26/2023
PROJECT LEADER: D. KULL	DRAWN BY: M. DOREO
DESIGNED BY: S. LISTER	CHECKED BY: D. KULL
TRAFFIC SIGN SUMMARY	SHEET 14 OF 28

SOIL CLASSIFICATION

AASHTO	
A1	Gravel and Sand
A3	Fine Sand
A2	Silty or Clayey Gravel and Sand
A4	Silty Soil - Low Compressibility
A5	Silty Soil - Highly Compressible
A6	Clayey Soil - Low Compressibility
A7	Clayey Soil - Highly Compressible

ROCK QUALITY DESIGNATION

R.Q.D. (%)	ROCK DESCRIPTION
<25	Very Poor
25 to 50	Poor
51 to 75	Fair
76 to 90	Good
>90	Excellent

SHEAR STRENGTH

UNDRAINED SHEAR STRENGTH IN P.S.F.	CONSISTENCY
<250	Very Soft
250-500	Soft
500-1000	Med. Stiff
1000-2000	Stiff
2000-4000	Very Stiff
>4000	Hard

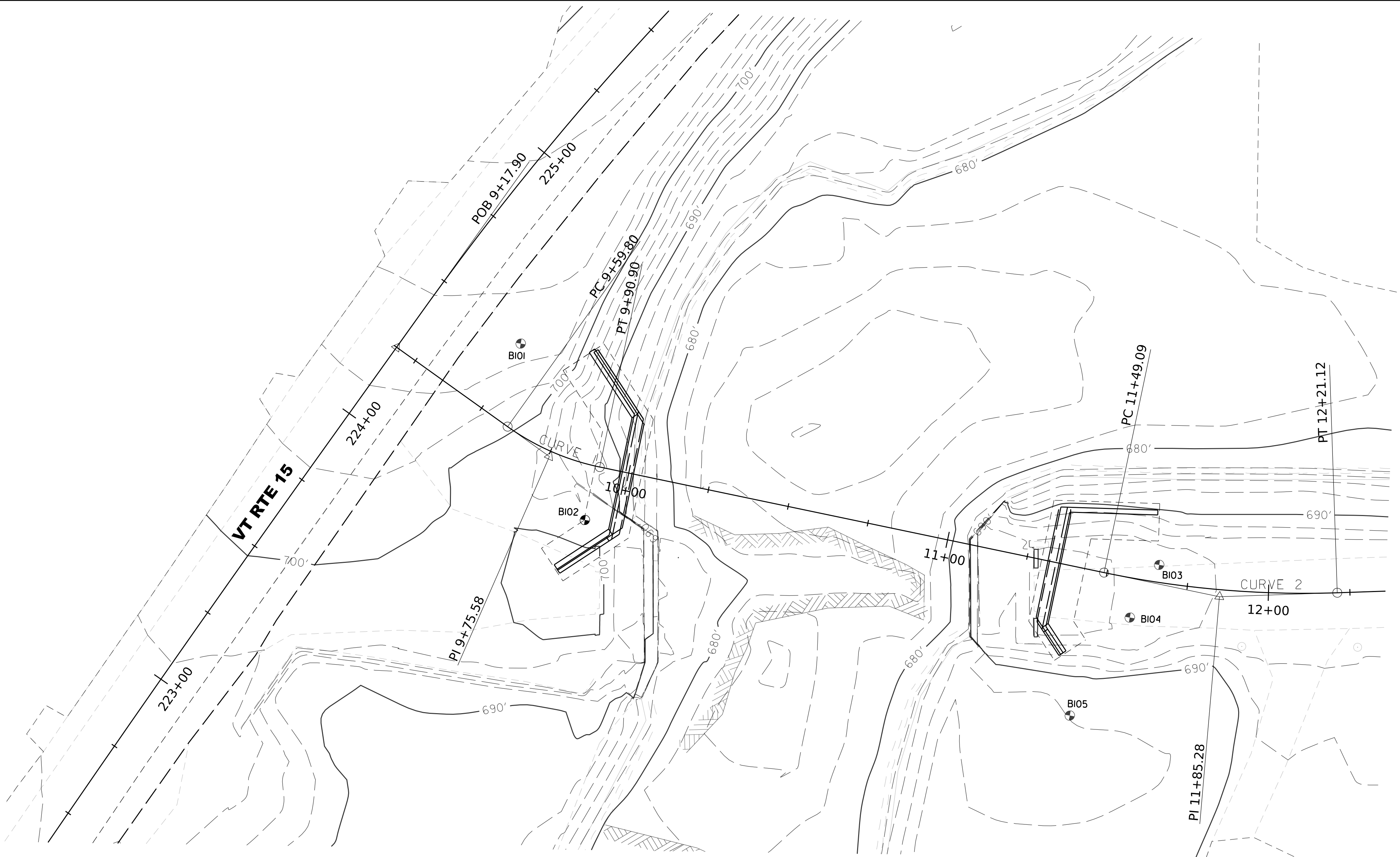
CORRELATION GUIDE OF "N" TO DENSITY/CONSISTENCY

DENSITY (GRANULAR SOILS)		CONSISTENCY (COHESIVE SOILS)	
N	DESCRIPTIVE TERM	N	DESCRIPTIVE TERM
<5	Very Loose	<2	Very Soft
5-10	Loose	2-4	Soft
11-24	Med. Dense	5-8	Med. Stiff
25-50	Dense	9-15	Stiff
>50	Very Dense	16-30	Very Stiff
		31-60	Hard
		>60	Very Hard

COMMONLY USED SYMBOLS

▼	Water Elevation
⊕	Standard Penetration Boring
⊕	Auger Boring
⊙	Rod Sounding
Ⓢ	Sample
N	Standard Penetration Test Blow Count Per Foot For: 2" O.D. Sampler 1 3/8" I.D. Sampler Hammer Weight Of 140 Lbs. Hammer Fall Of 30"
VS	Field Vane Shear Test
US	Undisturbed Soil Sample
B	Blast
DC	Diamond Core
MD	Mud Drill
WA	Wash Ahead
HSA	Hollow Stem Auger
AX	Core Size 1 1/8"
BX	Core Size 1 5/8"
NX	Core Size 2 1/8"
M	Double Tube Core Barrel Used
LL	Liquid Limit
PL	Plastic Limit
PI	Plasticity Index
NP	Non Plastic
w	Moisture Content (Dry Wgt. Basis)
D	Dry
M	Moist
MTW	Moist To Wet
W	Wet
Sat	Saturated
Bo	Boulder
Gr	Gravel
Sa	Sand
Si	Silt
Cl	Clay
HP	Hardpan
Le	Ledge
NLTD	No Ledge To Depth
CNPF	Can Not Penetrate Further
TLOB	Top of Ledge Or Boulder
NR	No Recovery
Rec.	Recovery
%Rec.	Percent Recovery
ROD	Rock Quality Designation
CBR	California Bearing Ratio
<	Less Than
>	Greater Than
R	Refusal (N > 100)
VTSPG	NAD83 - See Note 7

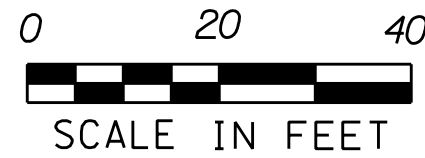
COLOR			
blk	Black	pnk	Pink
bl	Blue	pu	Purple
brn	Brown	rd	Red
dk	Dark	tn	Tan
gry	Gray	wh	White
gn	Green	yel	Yellow
lt	Light	mltc	Multicolored
or	Orange		



BORING CHART

HOLE NO.	CONSTRUCTION BASELINE		NORTHING (FT)	EASTING (FT)	GROUND ELEVATION (FT)
	STATION	OFFSET (FT)			
BI01	9+48.25	23.07 L	745990.73	1651413.06	705.0
BI02	9+89.98	16.86 R	745951.27	1651400.67	698.0
BI03	11+65.46	5.33 L	745775.89	1651394.98	697.0
BI04	11+59.47	10.81 R	745781.88	1651394.93	697.6
BI05	11+48.48	43.74 R	745792.87	1651395.13	688.0

BORING LAYOUT PLAN



DEFINITIONS (AASHTO)

BEDROCK (LEDGE) - Rock in its native location of indefinite thickness.
BOULDER - A rock fragment with an average dimension > 12 inches.
COBBLE - Rock fragments with an average dimension between 3 and 12 inches.
GRAVEL - Rounded particles of rock < 3" and > 0.0787" (#10 sieve).
SAND - Particles of rock < 0.0787" (#10 sieve) and > 0.0029" (#200 sieve).
SLT - Soil < 0.0029" (#200 sieve), non or slightly plastic and exhibits no strength when air-dried.
CLAY - Fine grained soil, exhibits plasticity when moist and considerable strength when air-dried.

VARVED - Alternate layers of silt and clay.
HARDPAN - Extremely dense soil, cemented layer, not softened when wet.
MUCK - Soft organic soil (containing > 10% organic material).
MOISTURE CONTENT - Weight of water divided by dry weight of soil.
FLOWING SAND - Granular soil so saturated (loose) that it flows into drill casing during extraction of wash rod.
STRIKE - Angle from magnetic north to line of intersection of bed with a horizontal plane.
DIP - Inclination of bed with a horizontal plane.

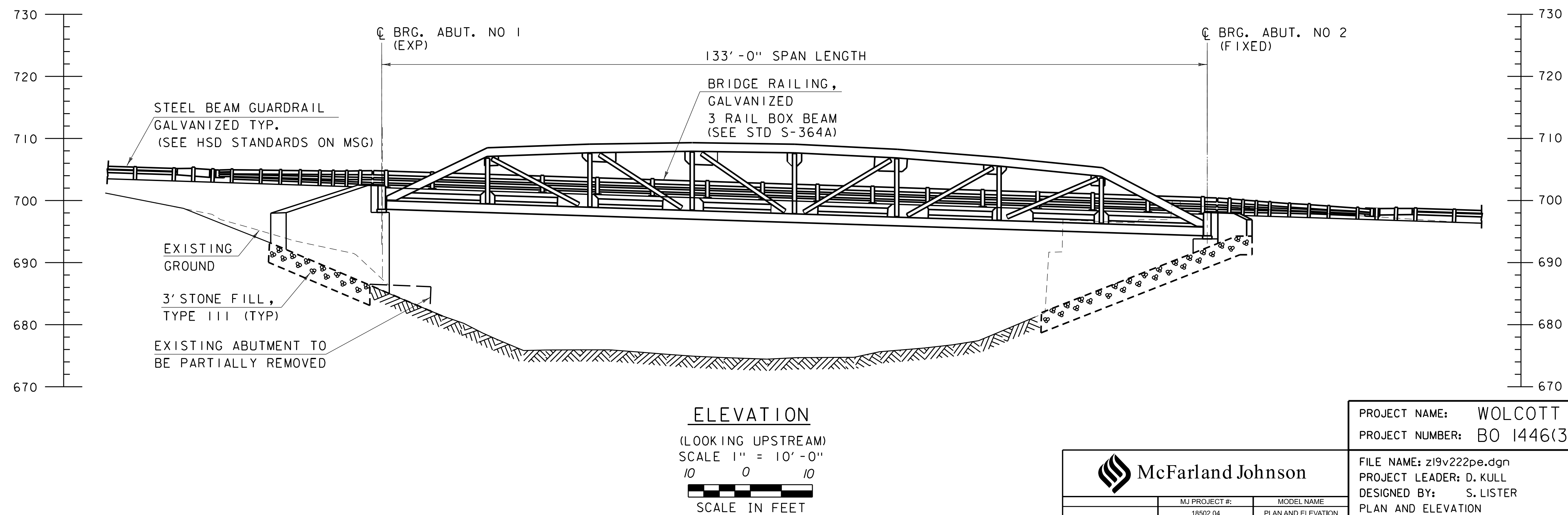
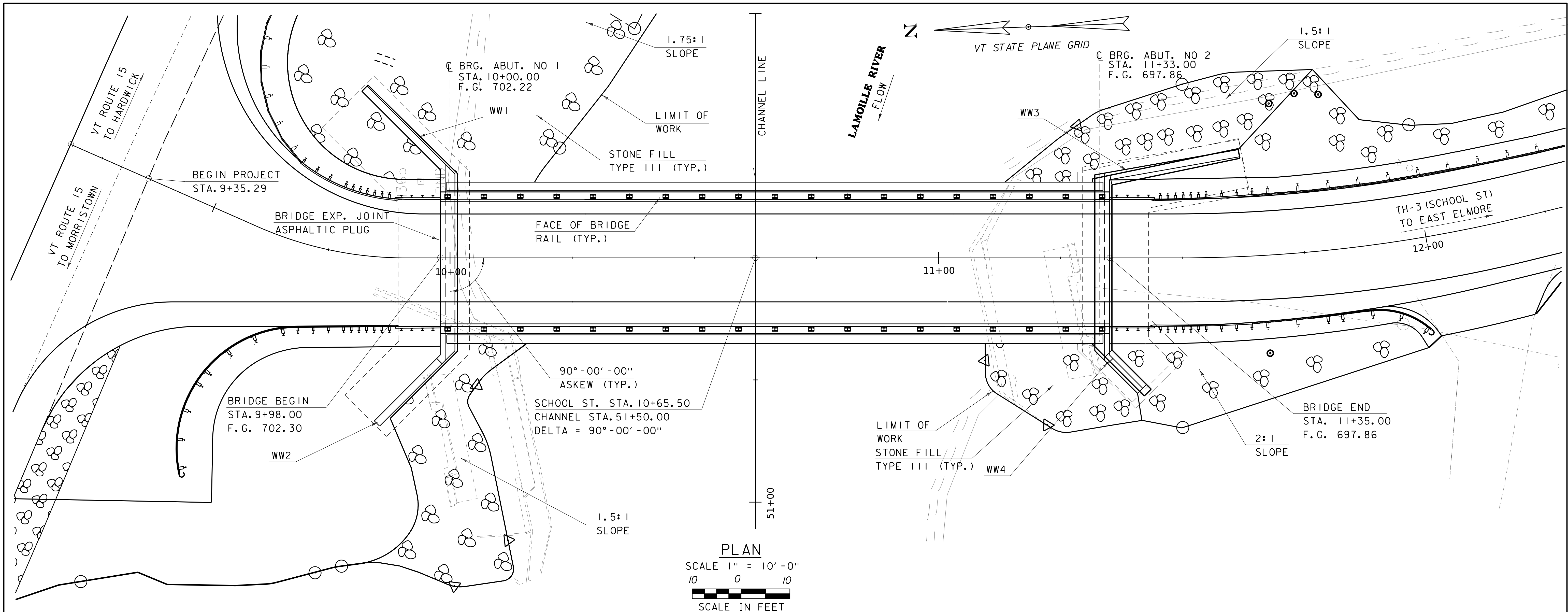
GENERAL NOTES

- The subsurface explorations shown herein were made between ----- and ----- by the Agency.
- Soil and rock classifications, properties and descriptions are based on engineering interpretation from available subsurface information by the Agency and may not necessarily reflect actual variations in subsurface conditions that may be encountered between individual boring or sample locations.
- Observed water levels and/or conditions indicated are as recorded at the time of exploration and may vary according to the prevailing rainfall, methods of exploration and other factors.
- Engineering judgment was exercised in preparing the subsurface information presented herein. Analysis and interpretation of subsurface data was performed and interpreted for Agency design and estimating purposes. Presentation of the information in the Contract is intended to provide the Contractor access to the same data available to the Agency. The subsurface information is presented in good faith and is not intended as a substitute for personal investigation, independent interpretation, independent analysis or judgment by the Contractor.
- Pictorial structure details shown on the boring plan layout or soils profile are for illustrative purposes only and may not accurately portray final contract details.
- Terminology used on boring logs to describe the hardness, degree of weathering, and spacing of fractures, joints and other discontinuities in the bedrock is defined in the AASHTO Manual on Subsurface Investigations, 1988.
- Northing and Easting coordinates are shown in Vermont State Plane Grid North American Datum 1983 in meters and survey feet.

PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

FILE NAME: x19j222bor.dgn
PROJECT LEADER: D. KULL
DESIGNED BY: S. LISTER
BORING INFORMATION SHEET

PLOT DATE: 6/26/2023
DRAWN BY: M.DOREO
CHECKED BY: D. KULL
SHEET 15 OF 28



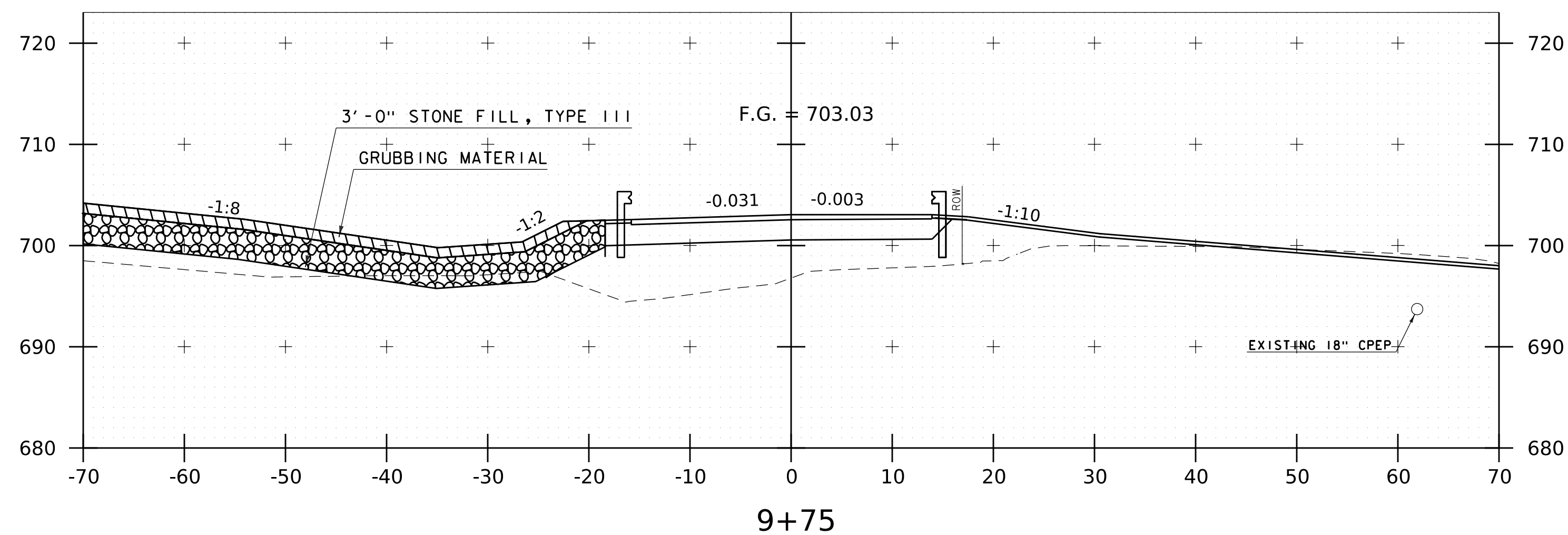
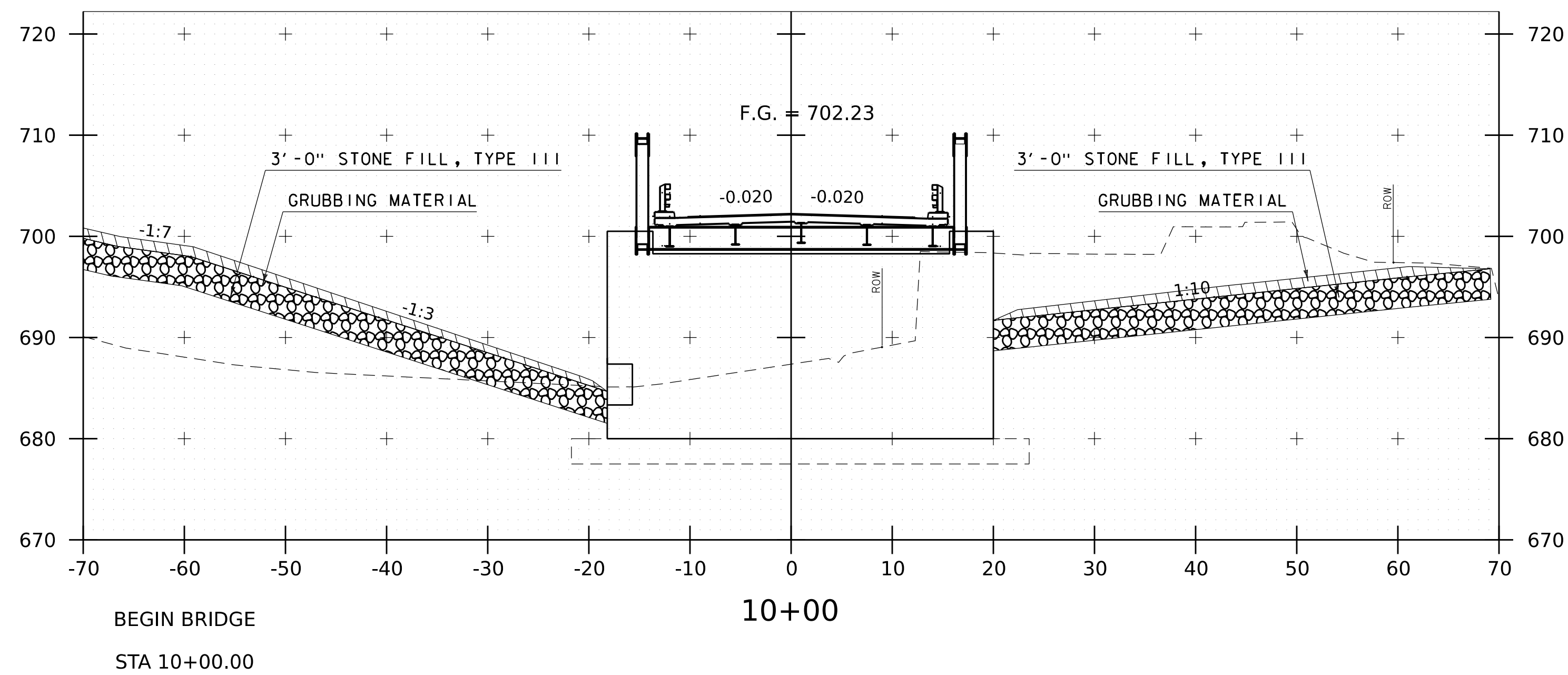
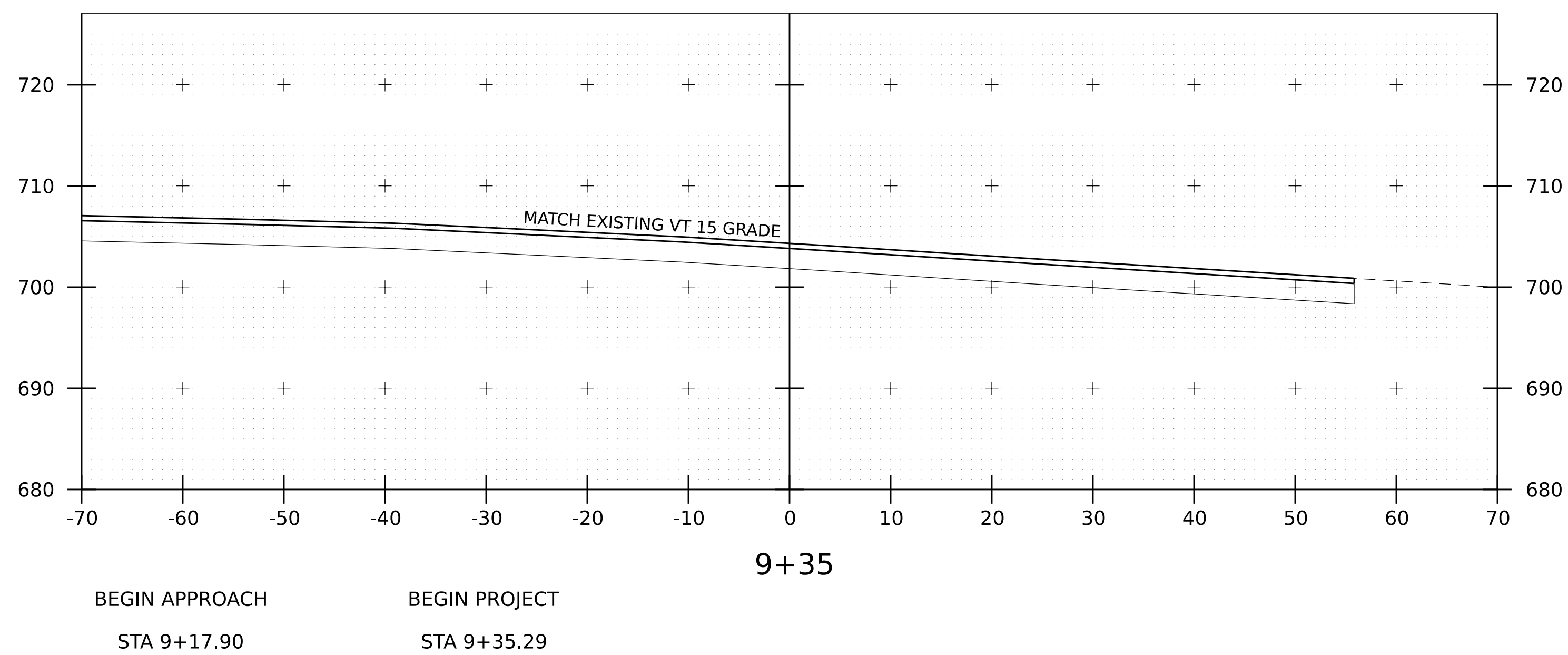
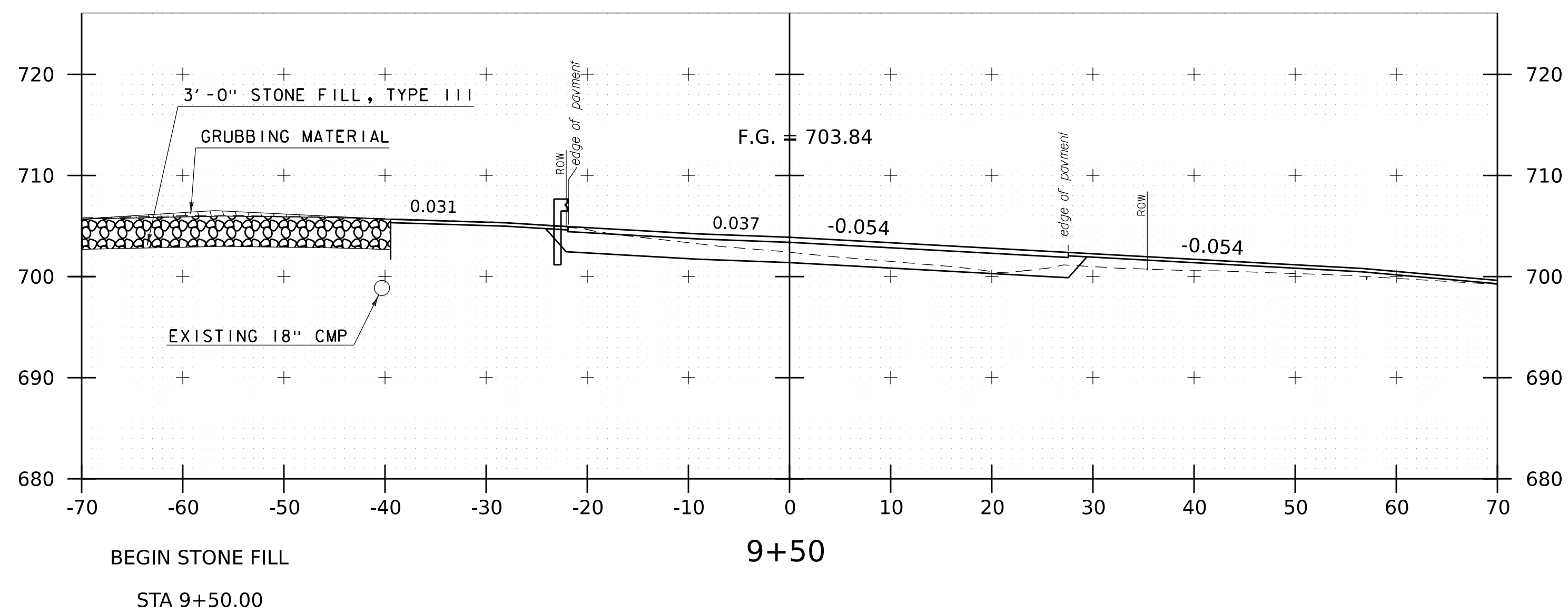
MJ PROJECT #:
18502.04

MODEL NAME
PLAN AND ELEVATION

PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

FILE NAME: z19v222pe.dgn
PROJECT LEADER: D. KULL
DESIGNED BY: S. LISTER
PLAN AND ELEVATION

PLOT DATE: 6/26/2023
DRAWN BY: M. DOREO
CHECKED BY: D. KULL
SHEET 16 OF 28



STA 9+35 TO 10+00



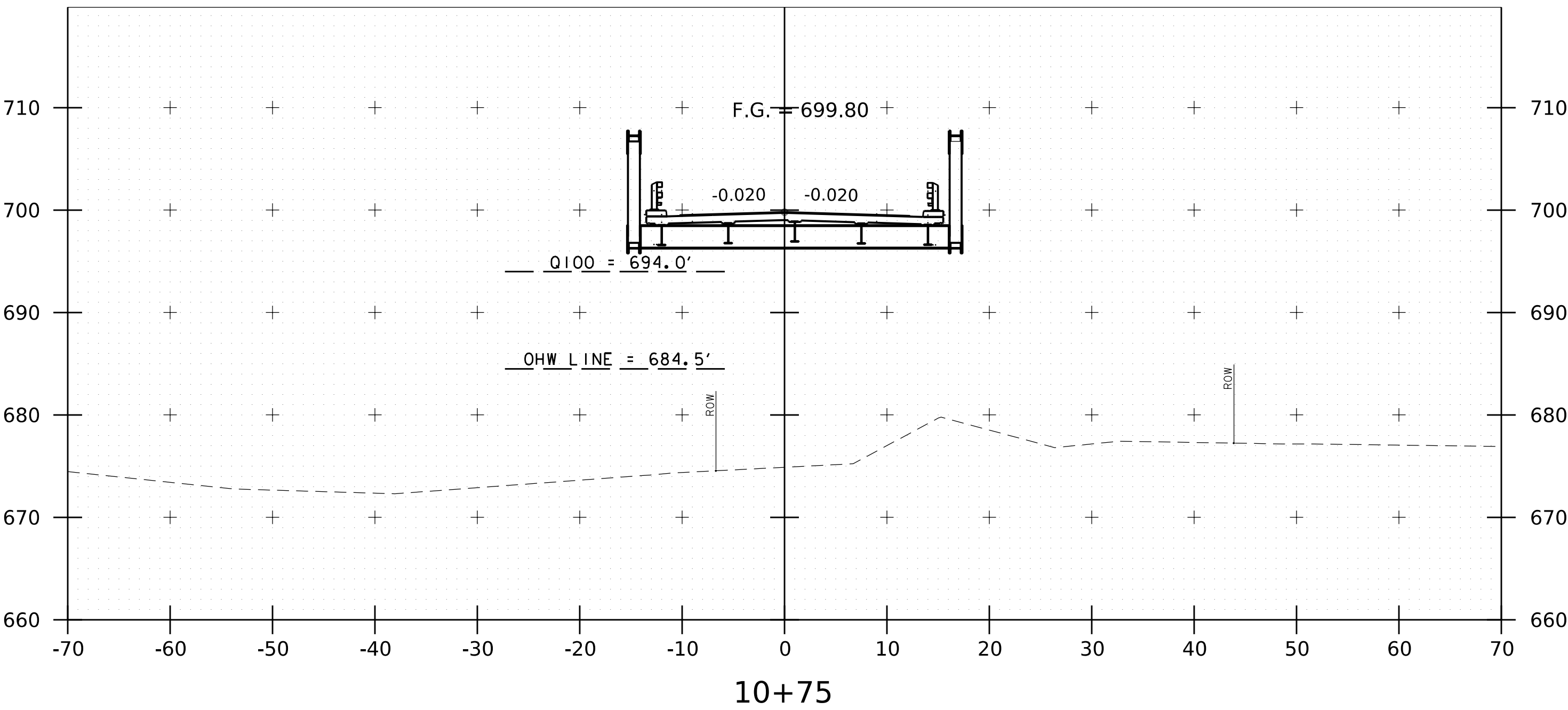
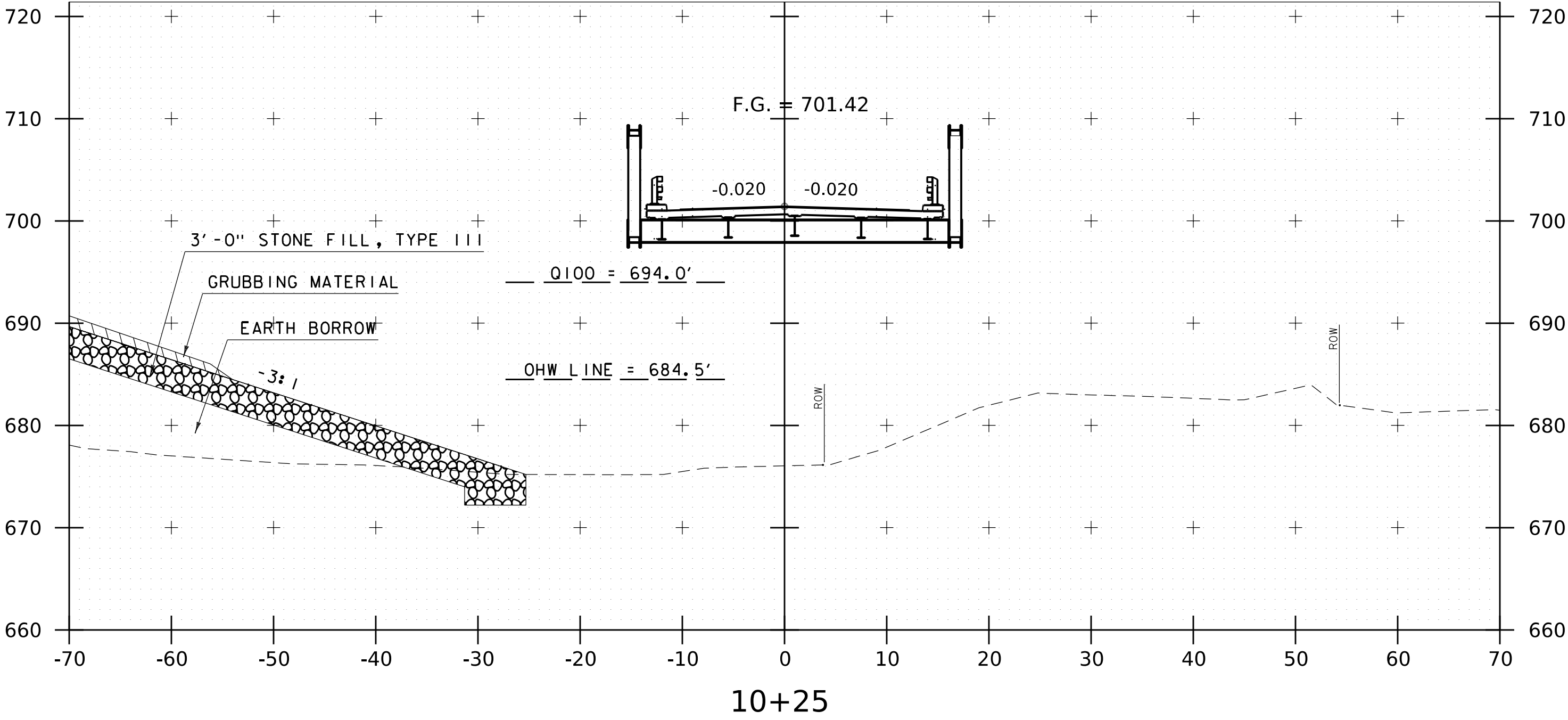
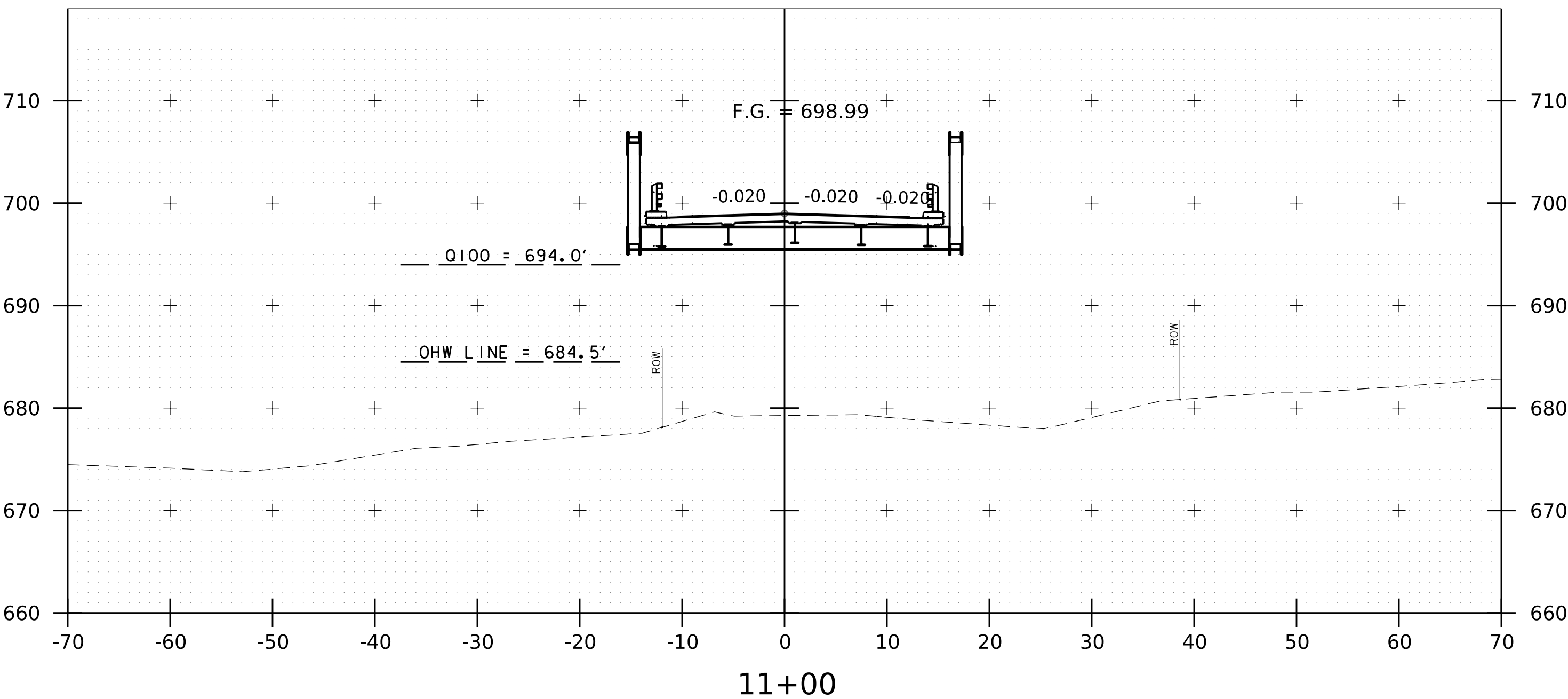
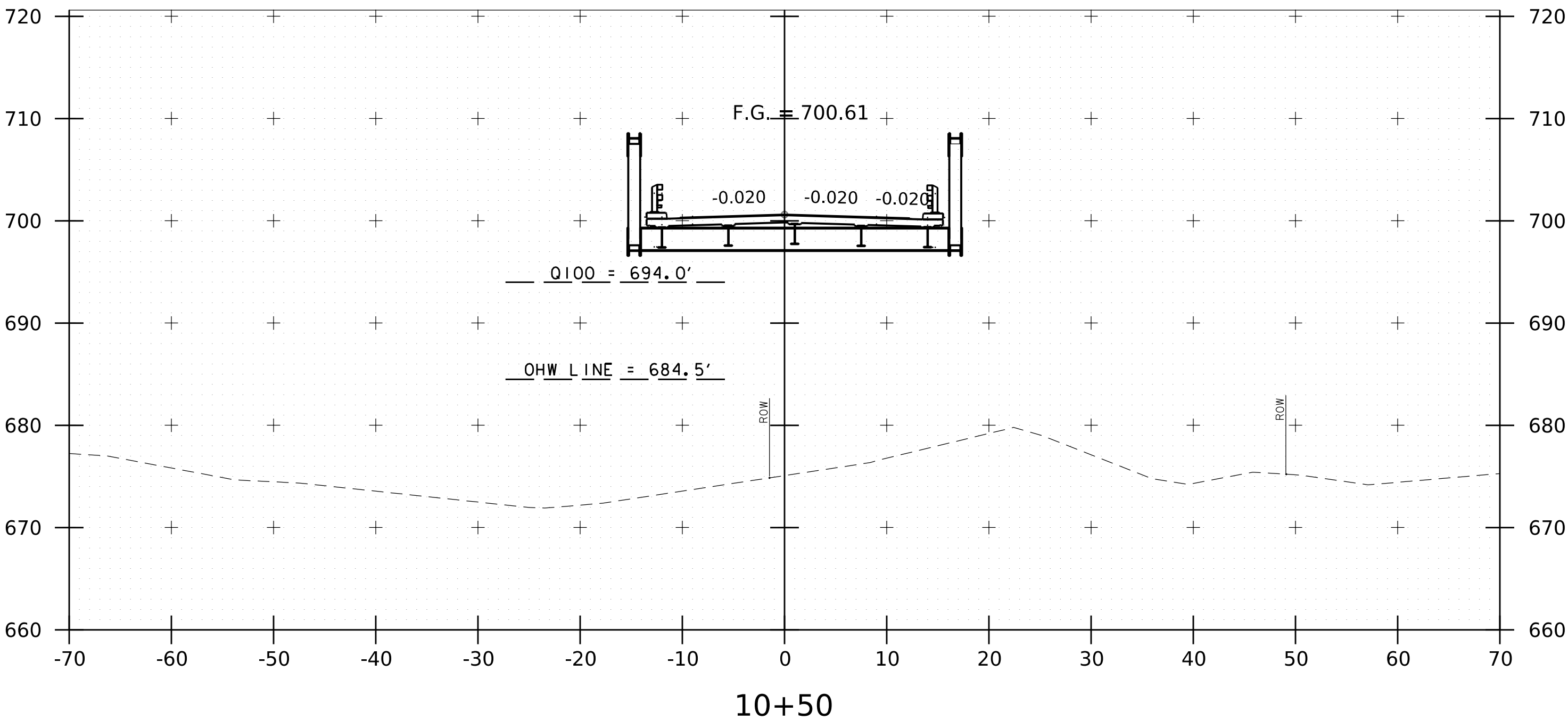
MJ PROJECT #:
18502.04

MODEL NAME
ROADWAY SECTIONS

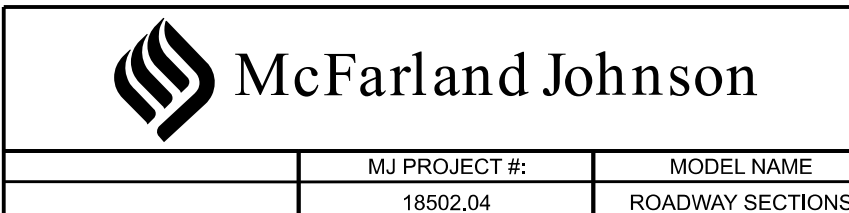
PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

FILE NAME: z19v222xs.TH3
PROJECT LEADER: D. KULL
DESIGNED BY: S. LISTER
TH-3 ROADWAY CROSS SECTIONS I

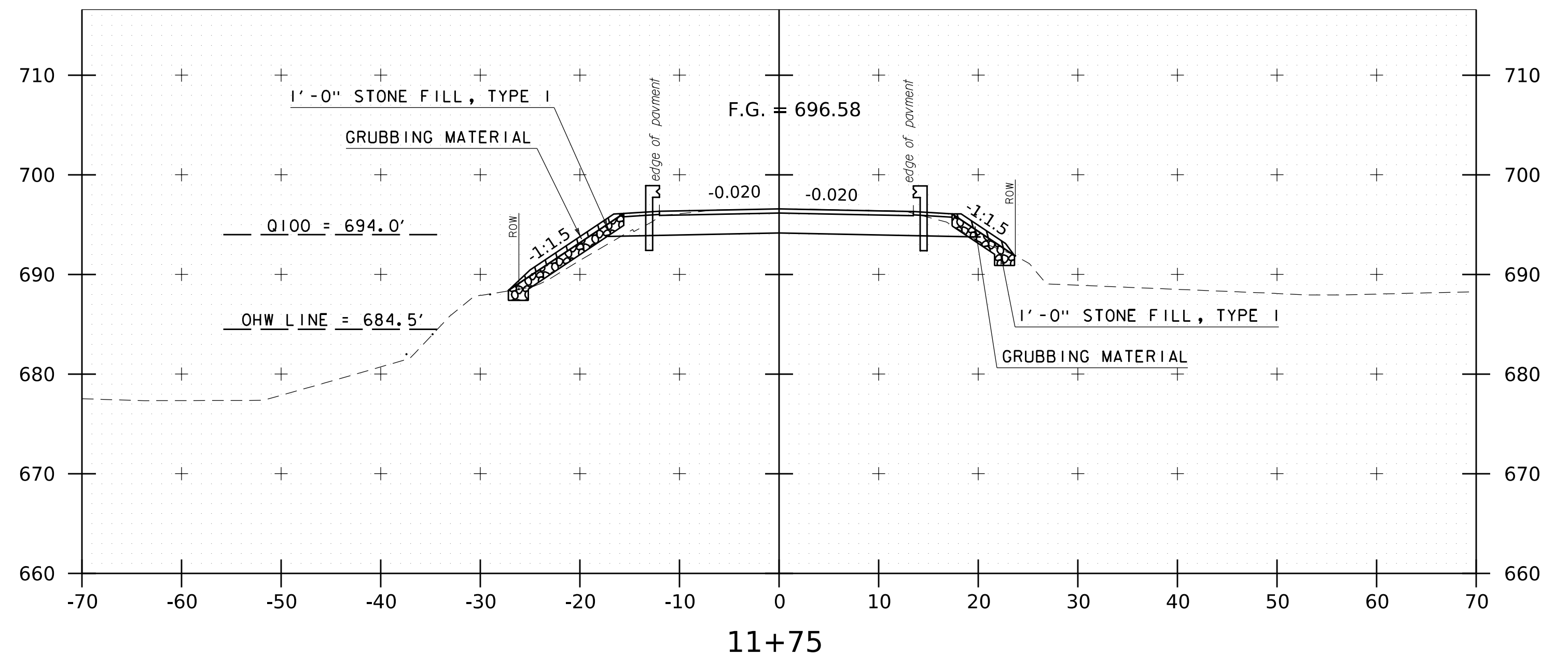
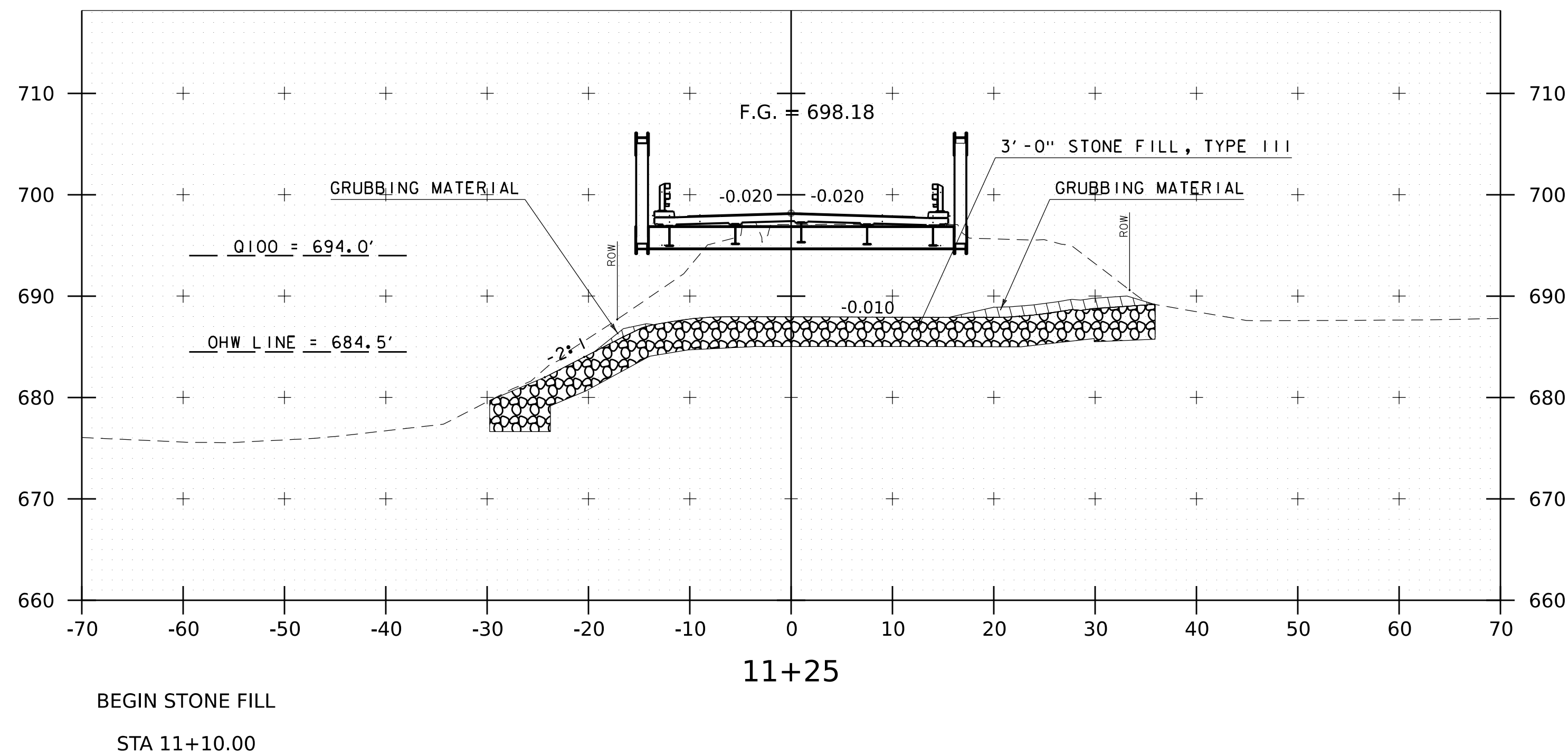
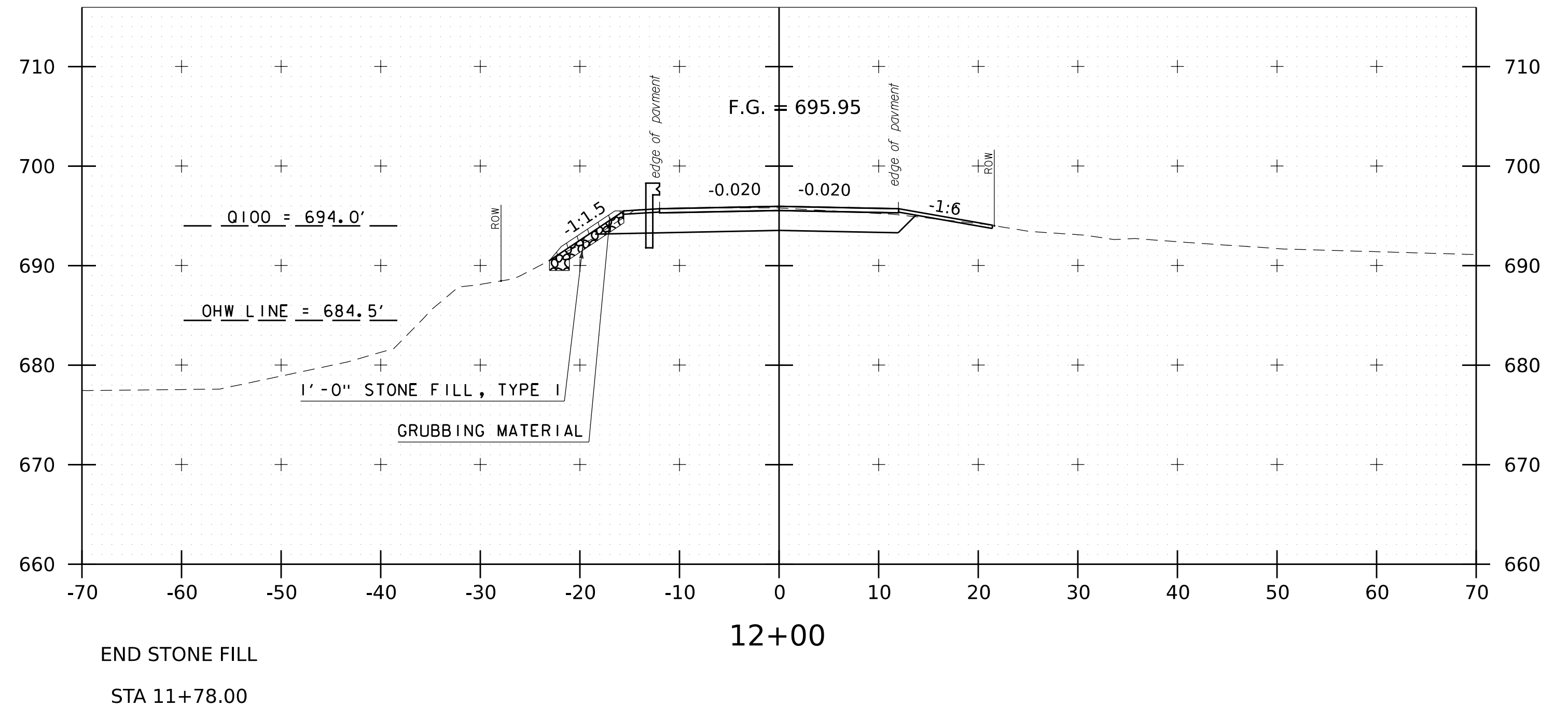
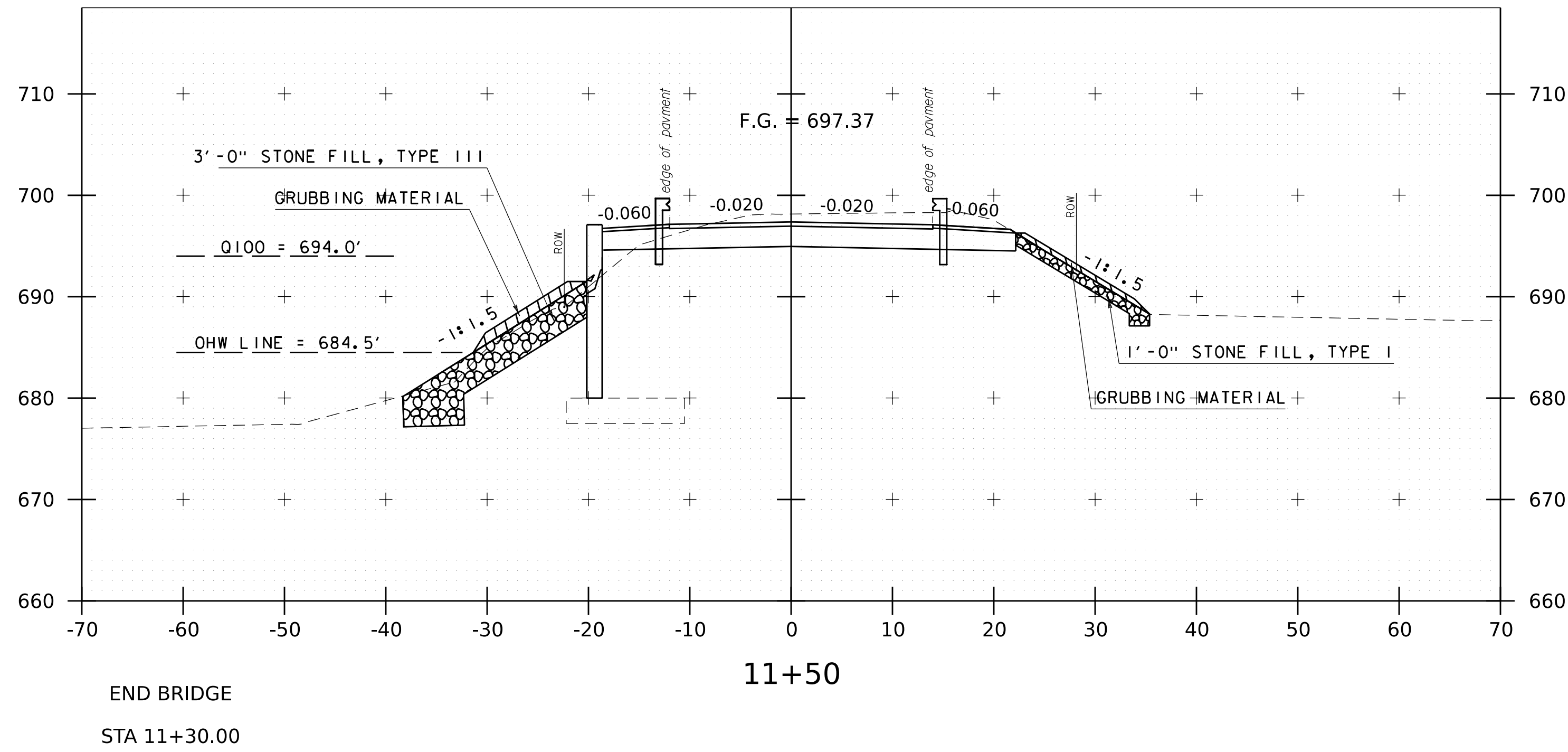
PLOT DATE: 6/26/2023
DRAWN BY: M. DOREO
CHECKED BY: D. KULL
SHEET 17 OF 28



STA 10+25 TO 11+00



PROJECT NAME: WOLCOTT		PLOT DATE: 6/26/2023	
PROJECT NUMBER: BO 1446(38)		DRAWN BY: M. DOREO	
FILE NAME: z19v222xs_TH3		CHECKED BY: D. KULL	
PROJECT LEADER: D. KULL		SHEET 18 OF 28	
DESIGNED BY: S. LISTER			
TH-3 ROADWAY CROSS SECTIONS 2			



STA 11+25 TO 12+00



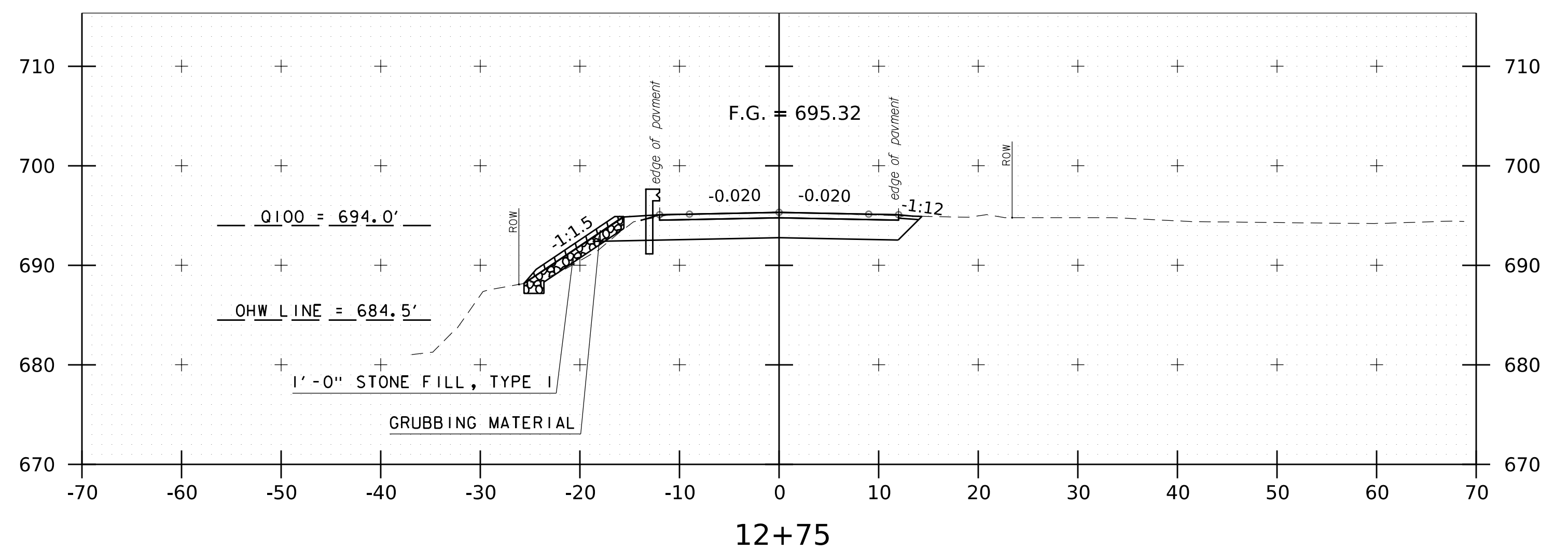
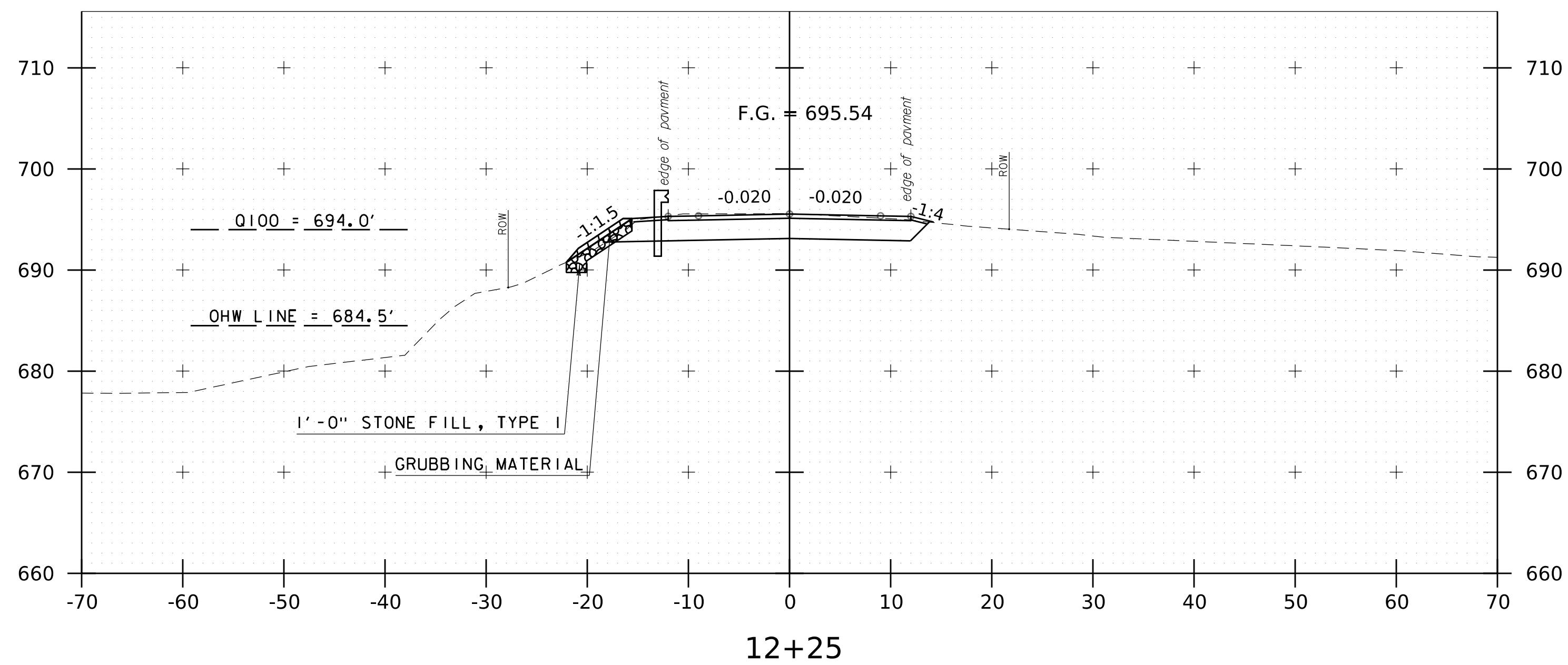
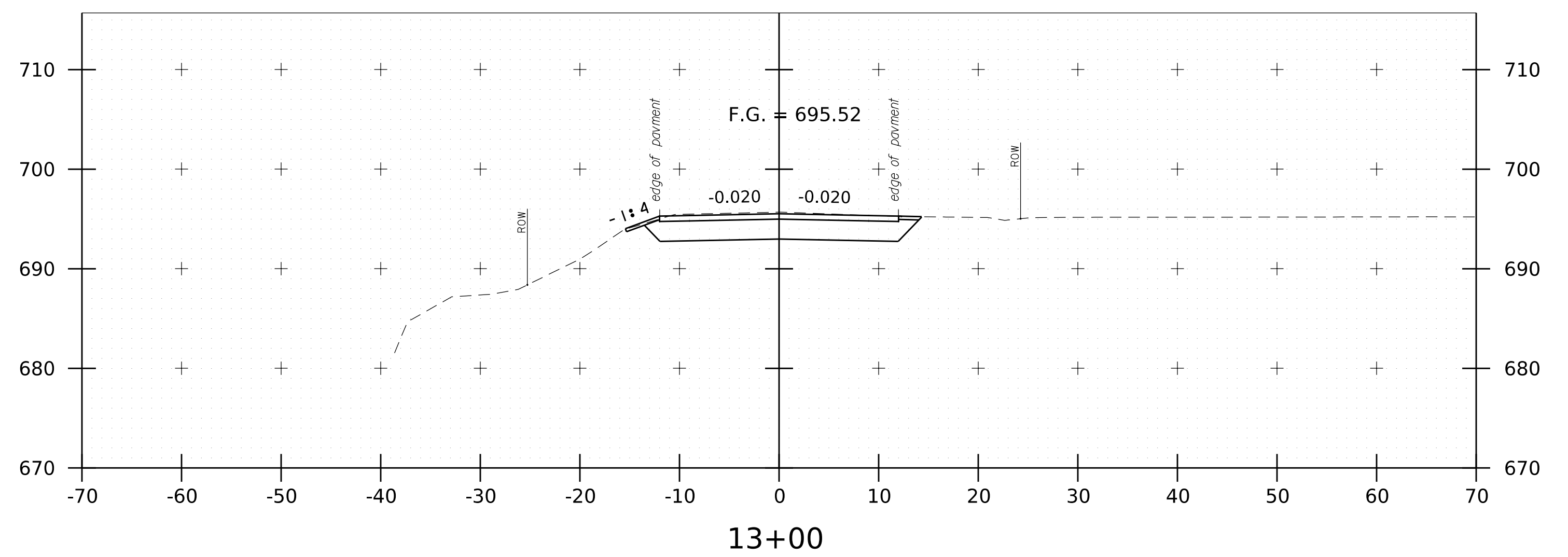
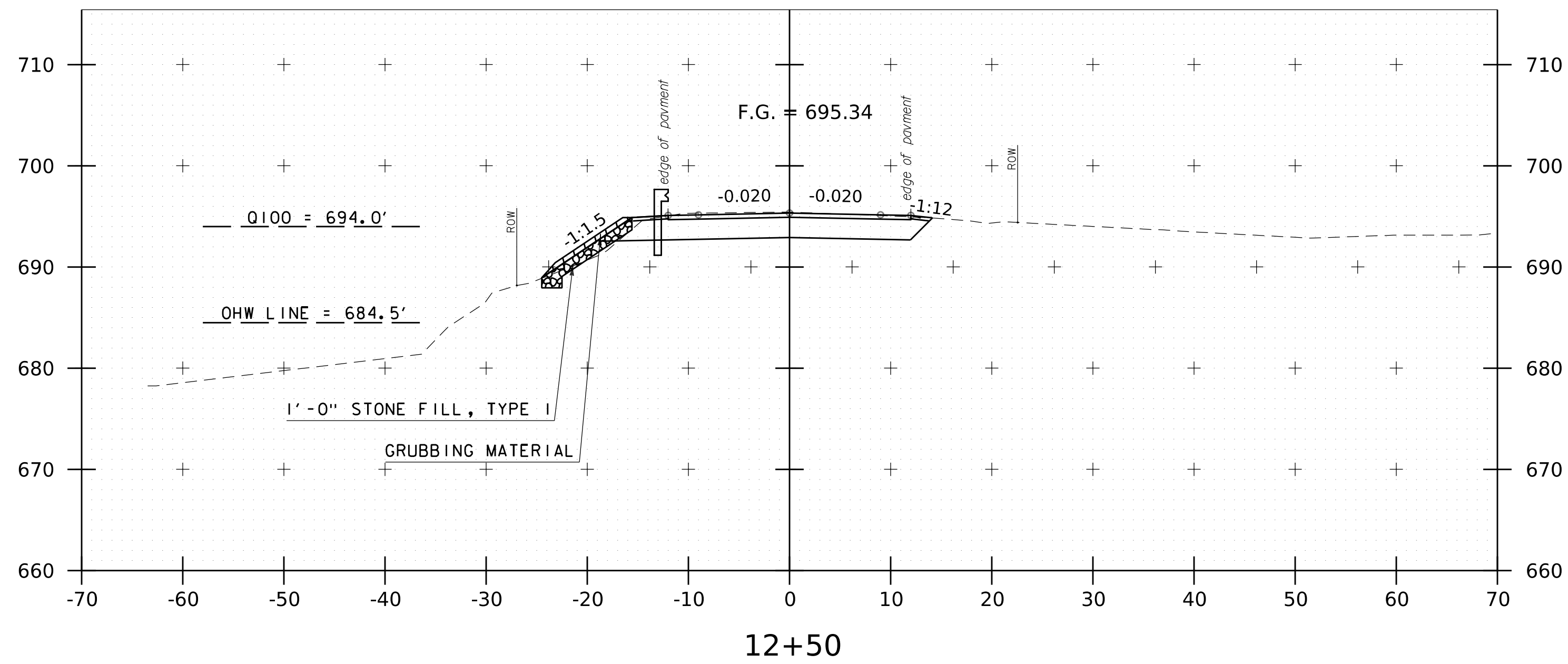
MJ PROJECT #:
18502.04

MODEL NAME
ROADWAY SECTIONS

PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

FILE NAME: z19v222xs.TH3
PROJECT LEADER: D. KULL
DESIGNED BY: S. LISTER
TH-3 ROADWAY CROSS SECTIONS 3

PLOT DATE: 6/26/2023
DRAWN BY: M. DOREO
CHECKED BY: D. KULL
SHEET 19 OF 28



STA 12+25 TO 13+00



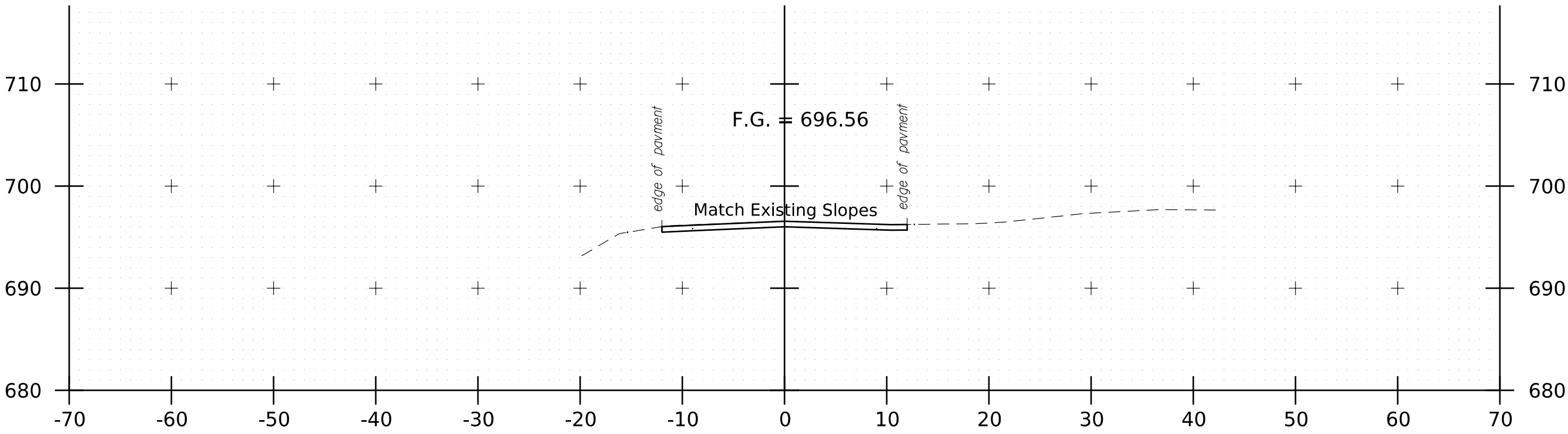
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18502.04

MODEL NAME
ROADWAY SECTIONS

PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

FILE NAME: z19v222xs.TH3
PROJECT LEADER: D. KULL
DESIGNED BY: S. LISTER
TH-3 ROADWAY CROSS SECTIONS 4

PLOT DATE: 6/26/2023
DRAWN BY: M. DOREO
CHECKED BY: D. KULL
SHEET 20 OF 28

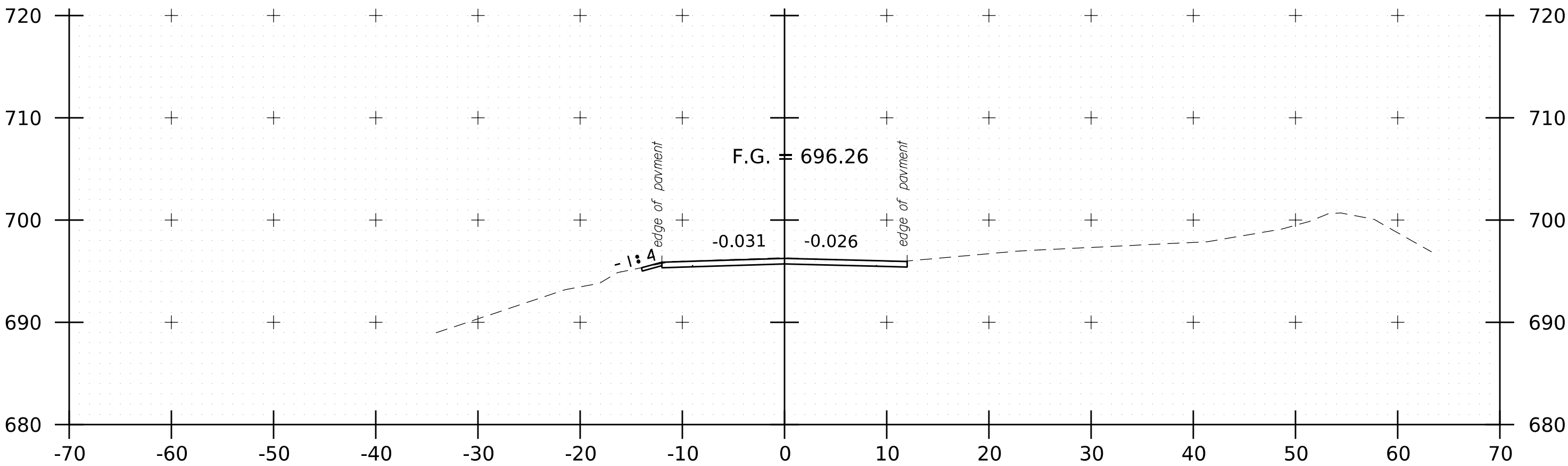


13+70

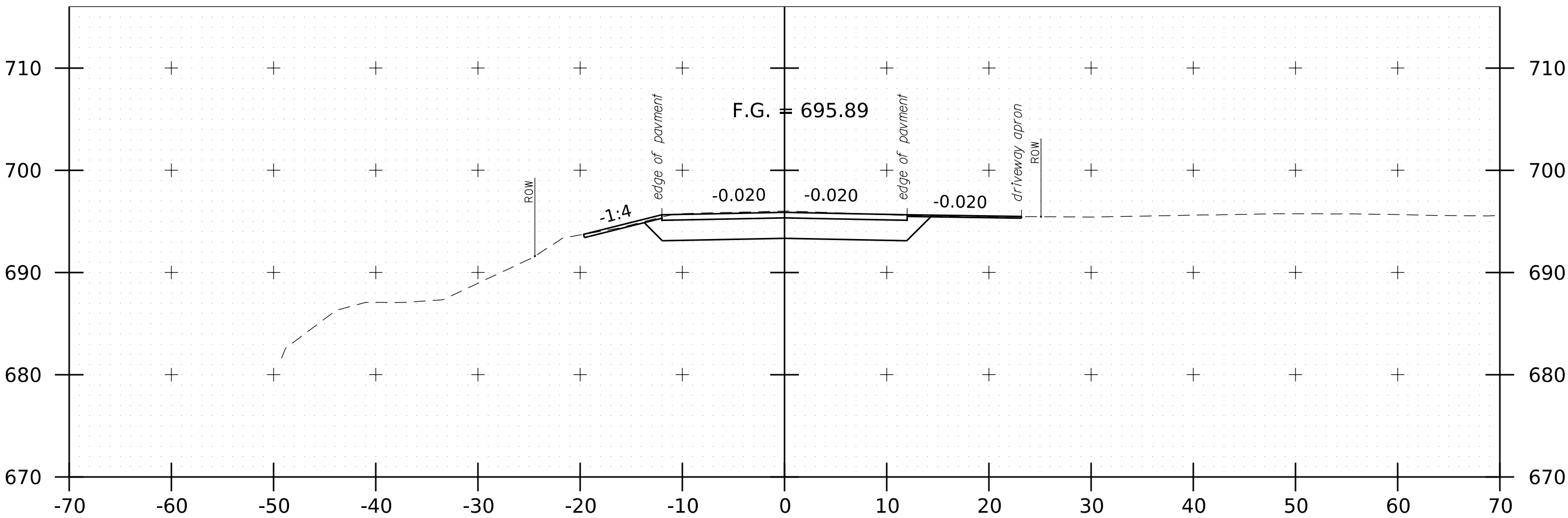
END APPROACH

STA. 13+70.00

MATCH EXISTING



13+50



13+25

END PROJECT

STA 13+25.00

STA 13+25 TO 13+70



MJ PROJECT #:	MODEL NAME
18502.04	ROADWAY SECTIONS

PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

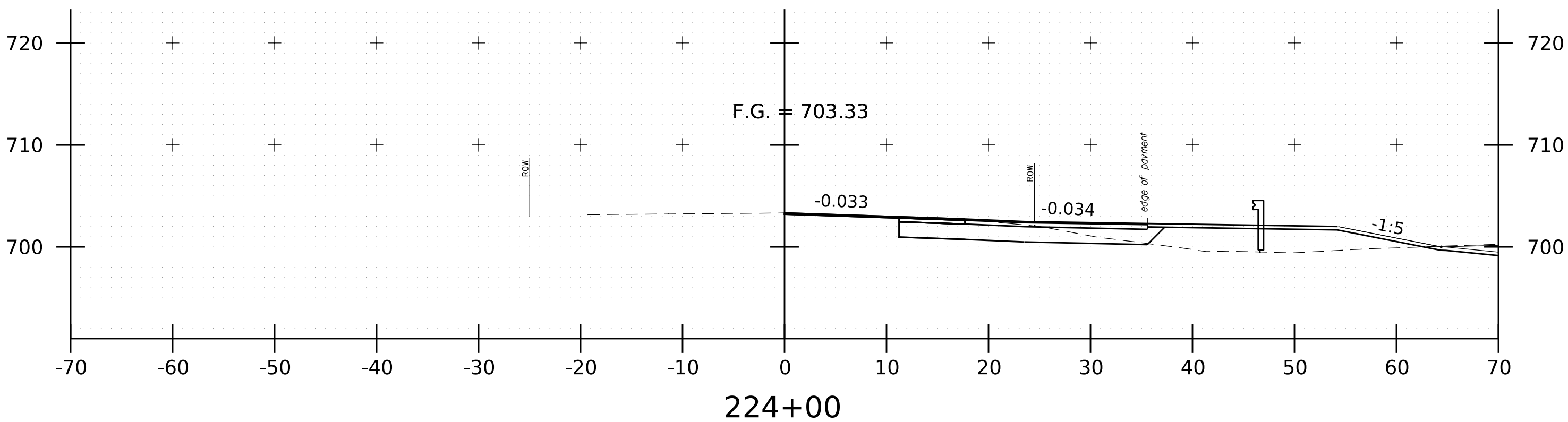
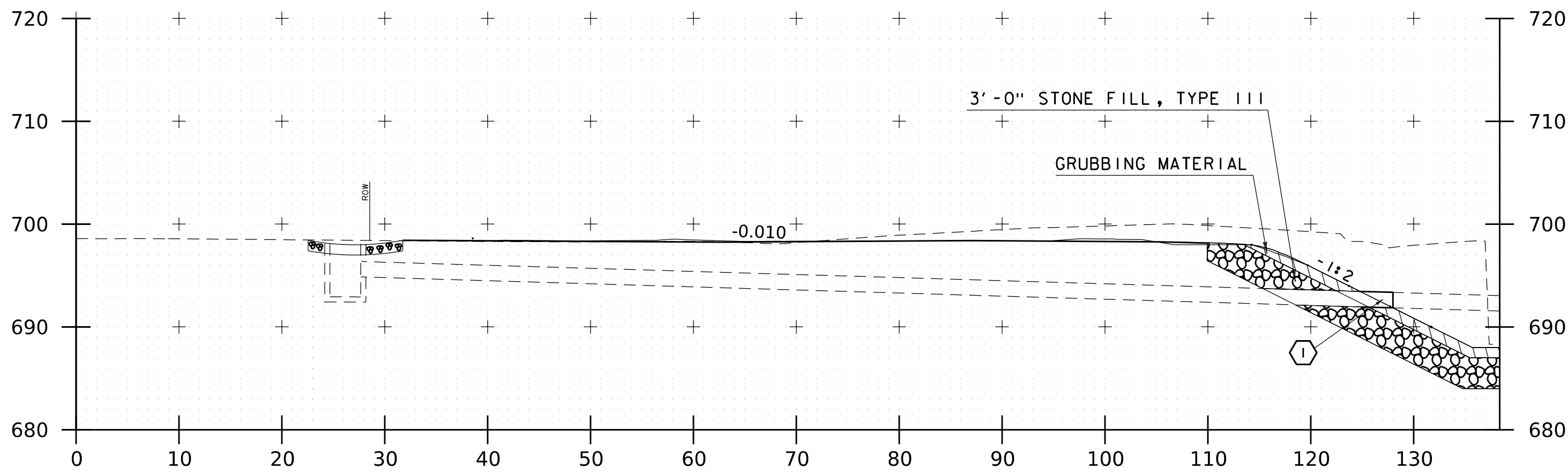
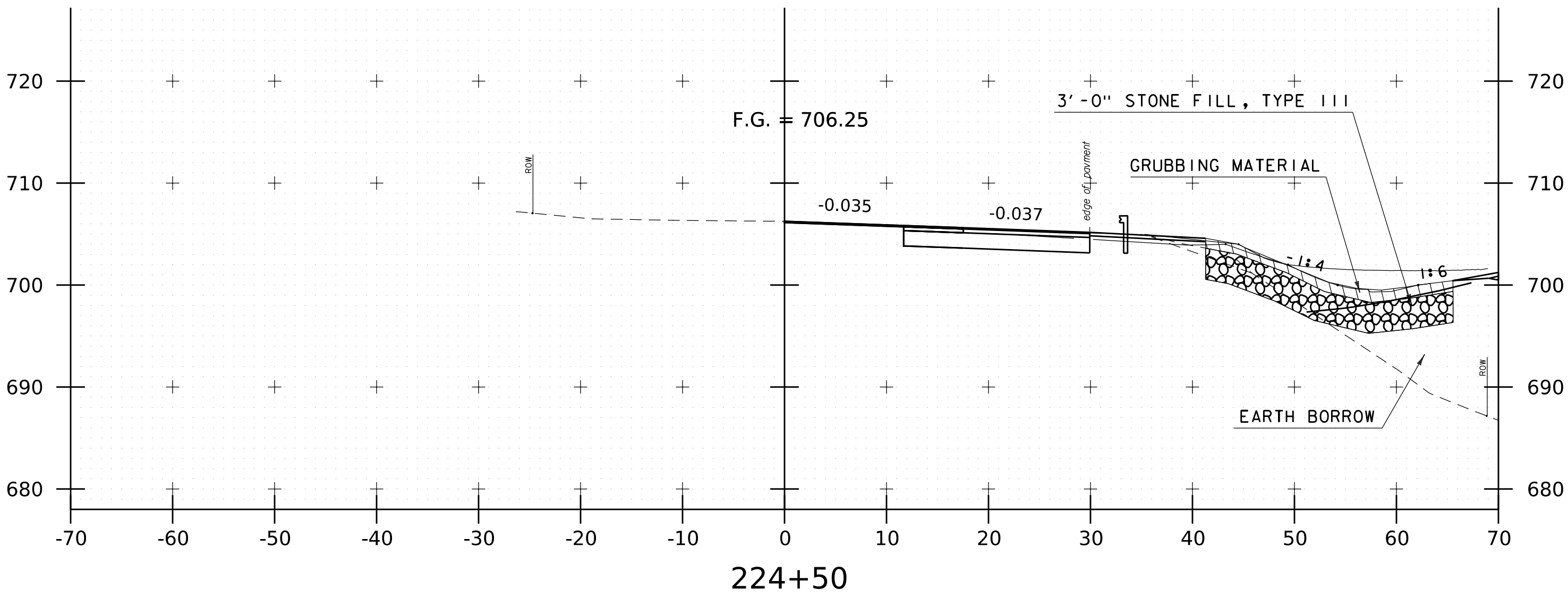
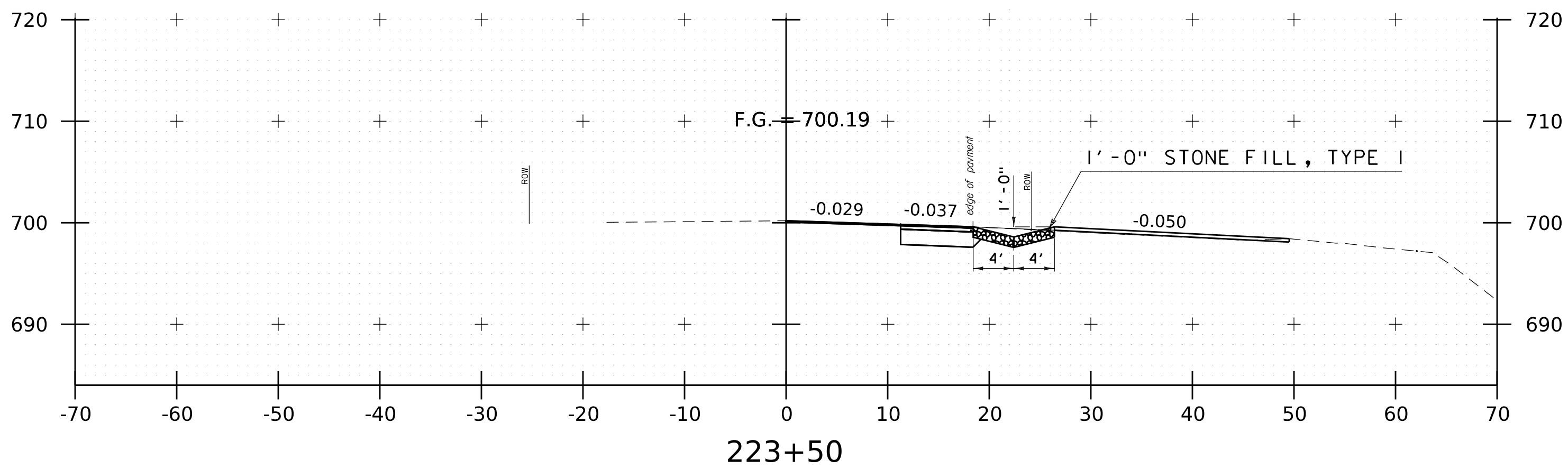
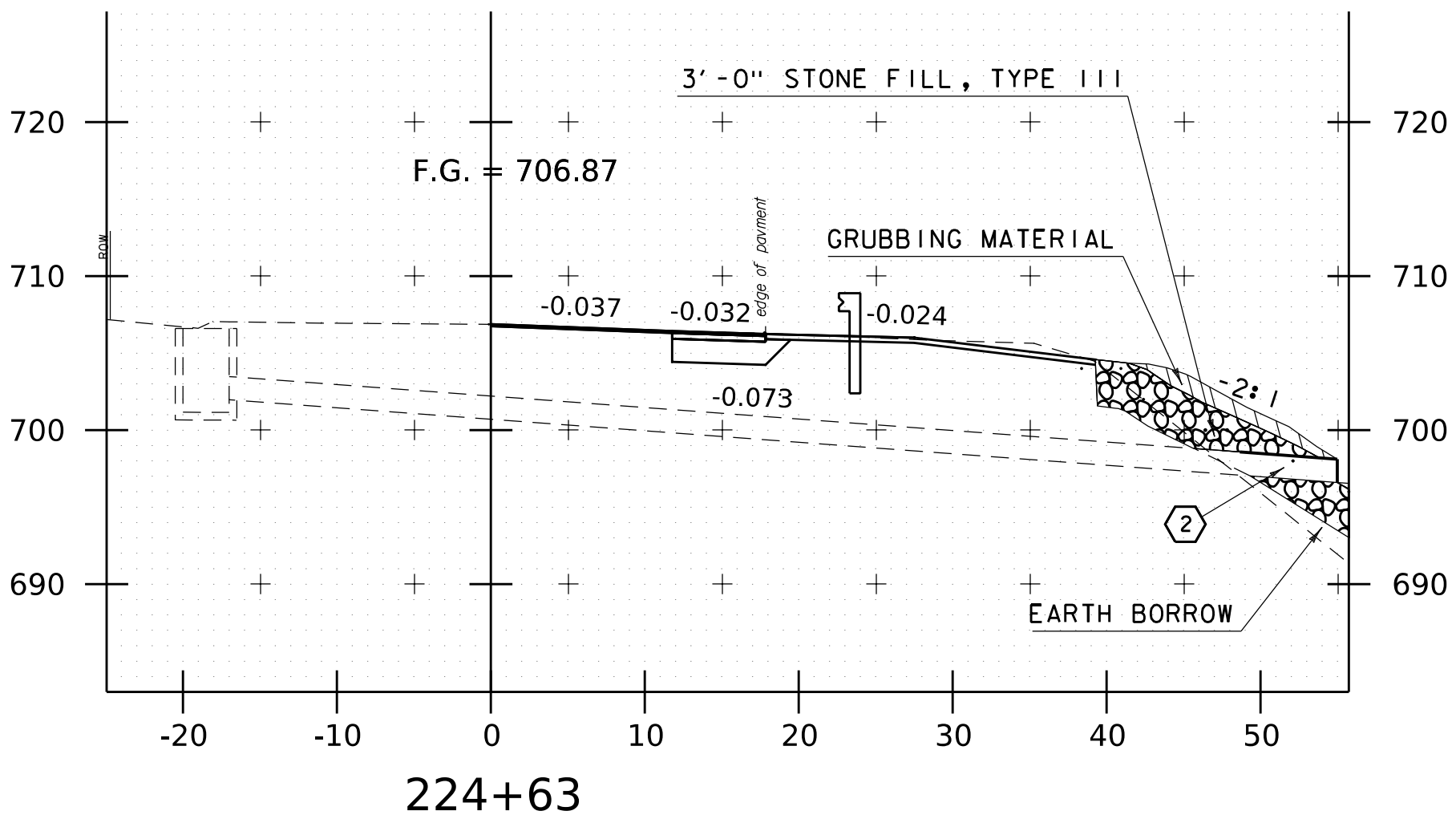
FILE NAME: z19v222xs.TH3
PROJECT LEADER: D. KULL
DESIGNED BY: S. LISTER
TH-3 ROADWAY CROSS SECTIONS 5

PLOT DATE: 6/26/2023
DRAWN BY: M. DOREO
CHECKED BY: D. KULL
SHEET 21 OF 28

- 1

STA 223+90.65 C/L
REMOVE 11'-0" OF EXISTING
18" CGMP/RCP
STA. 223+90.65 108.0' RT TO
STA. 223+96.30 116.4' RT
INV. OUT = 691.8'
- 2

STA 282+70 C/L
EXTEND EXISTING 18" CGMP (5')
STA. 224+67.90 50.5' RT TO
STA. 224+68.31 54.4' RT
INV. OUT = 596.8'



223+20
SKEWED CROSS SECTION 122.7°

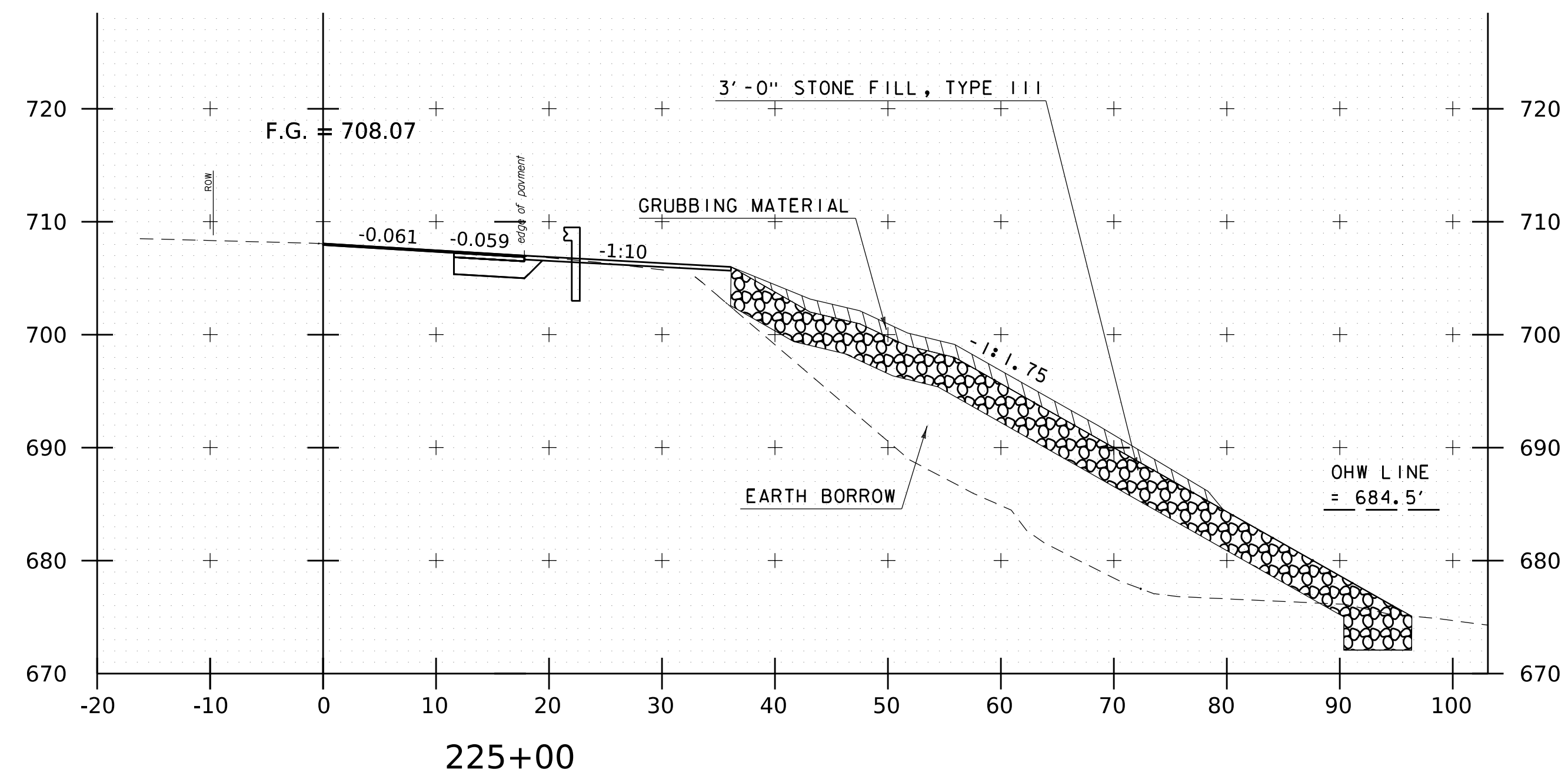
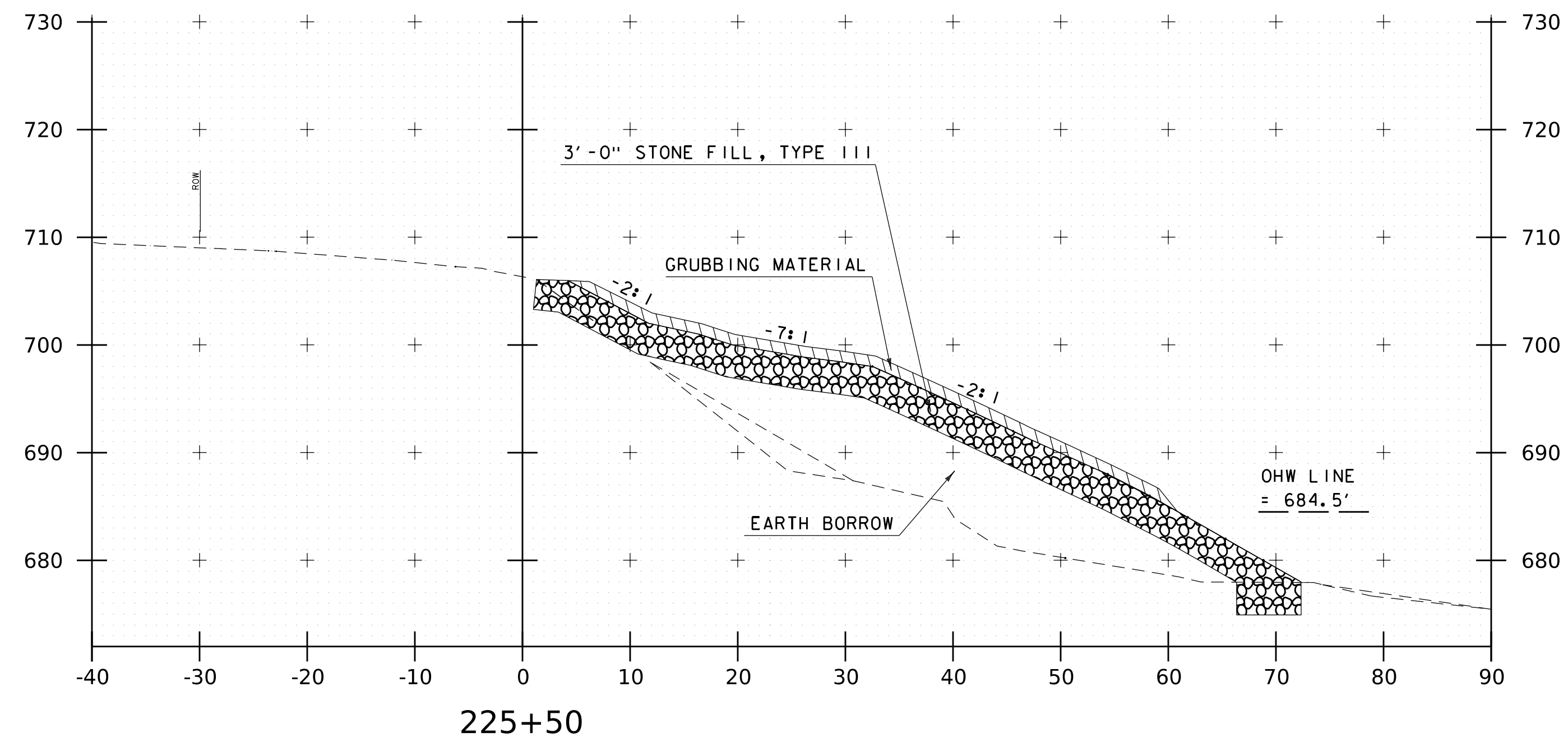
STA 223+20 TO 224+63

McFarland Johnson

MJ PROJECT #:
18502.04

MODEL NAME
ROADWAY SECTIONS

PROJECT NAME: WOLCOTT		PLOT DATE: 6/26/2023	
PROJECT NUMBER: BO 1446(38)		DRAWN BY: M. DOREO	
FILE NAME: z19v222xs_VT15		CHECKED BY: D. KULL	
PROJECT LEADER: D. KULL		SHEET 22 OF 28	
DESIGNED BY: S. LISTER			
VT 15 ROADWAY CROSS SECTIONS I			



STA 225+00 TO 225+50



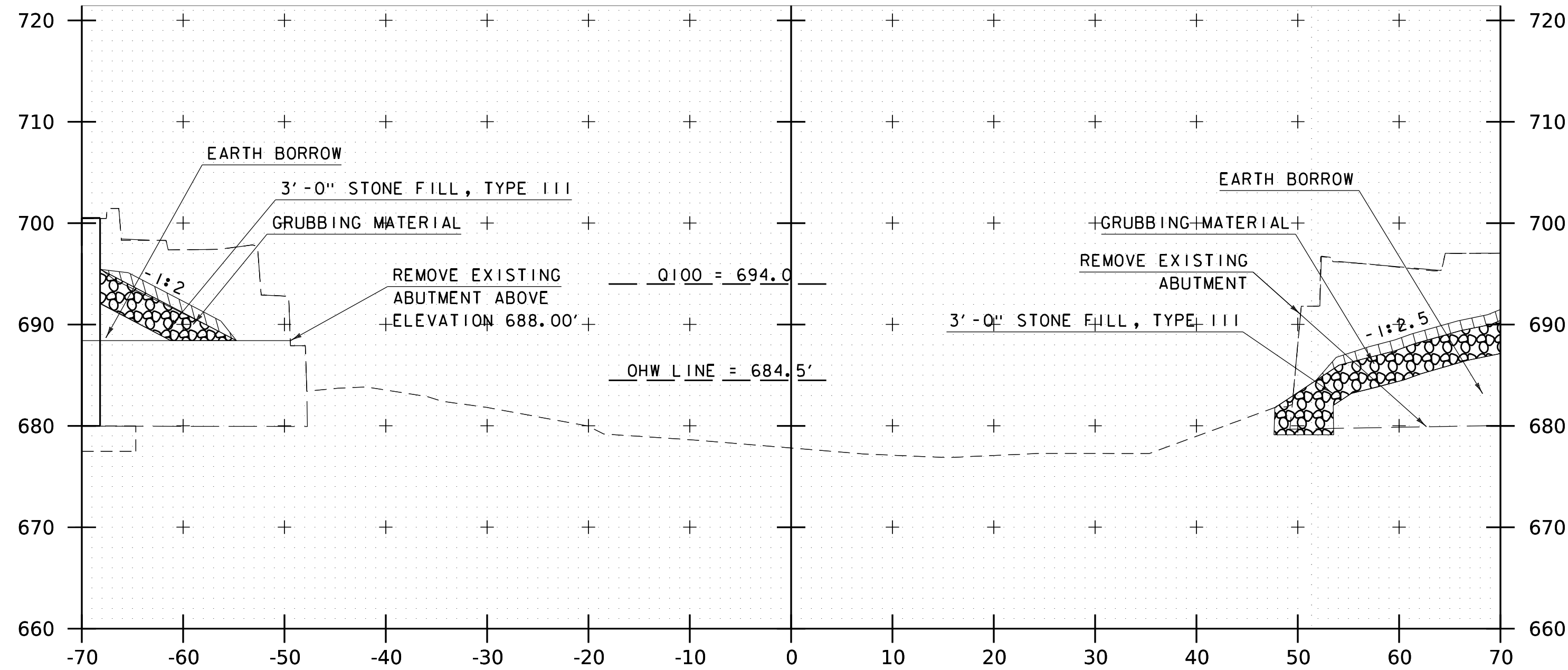
MJ PROJECT #:
18502.04

MODEL NAME
ROADWAY SECTIONS

PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

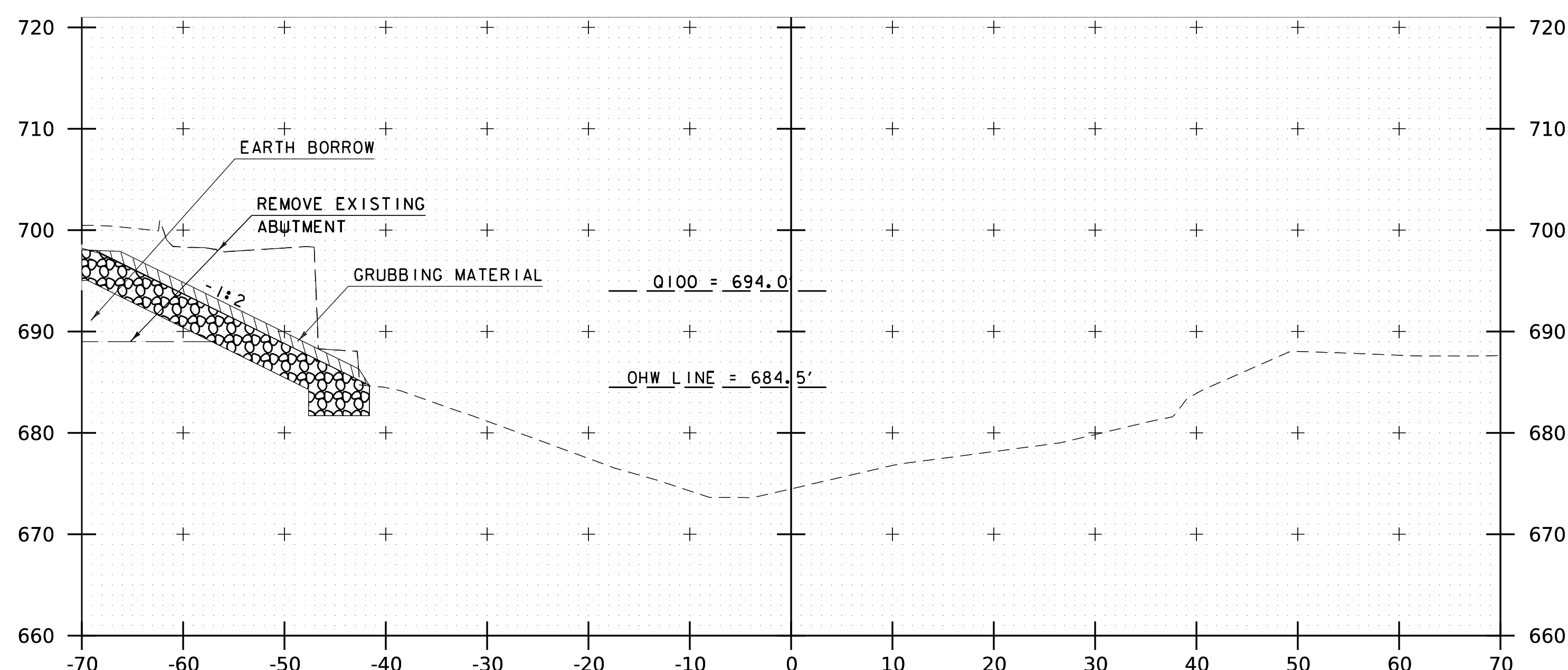
FILE NAME: z19v222xs_VT15
PROJECT LEADER: D. KULL
DESIGNED BY: S. LISTER
VT 15 ROADWAY CROSS SECTIONS 2

PLOT DATE: 6/26/2023
DRAWN BY: M. DOREO
CHECKED BY: D. KULL
SHEET 23 OF 28



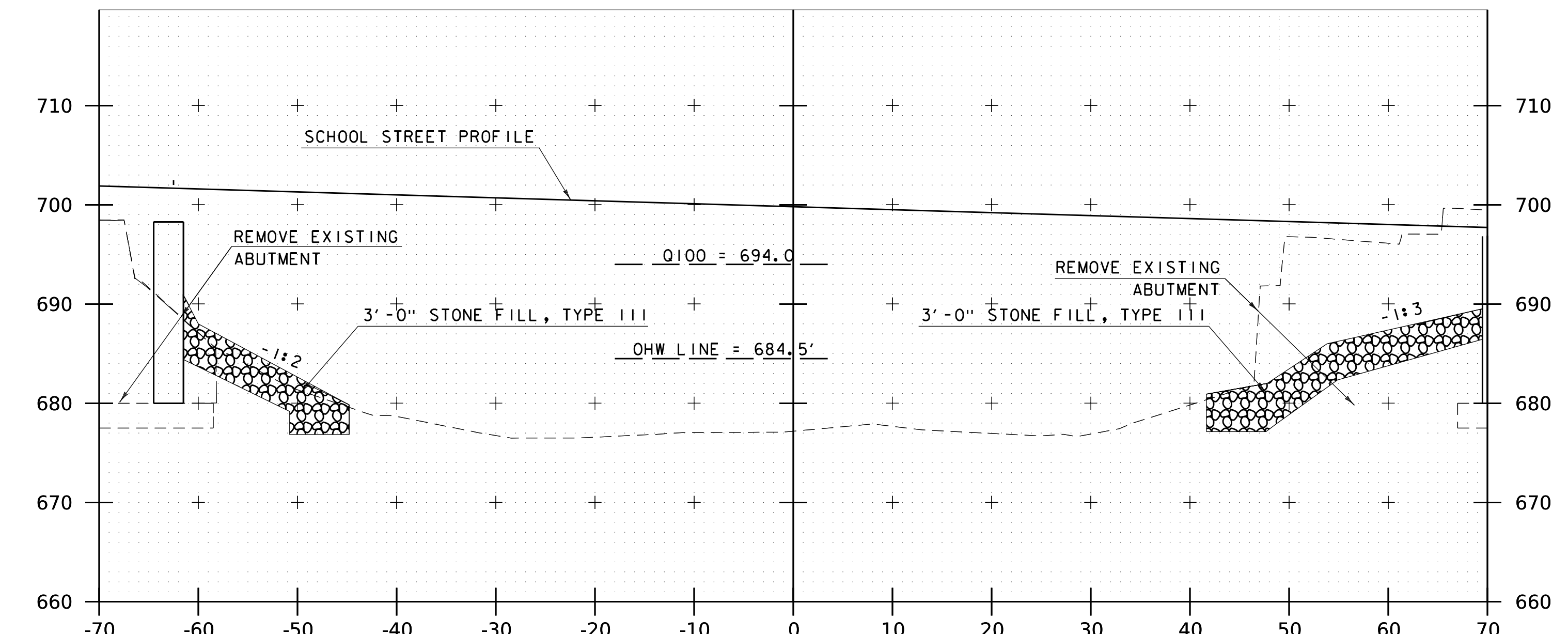
51+25

BEGIN;
CHANNEL EXCAVATION, EARTH BORROW
STONE FILL TYPE III
GEOTEXTILE UNDER STONE FILL
STA 51+15.00

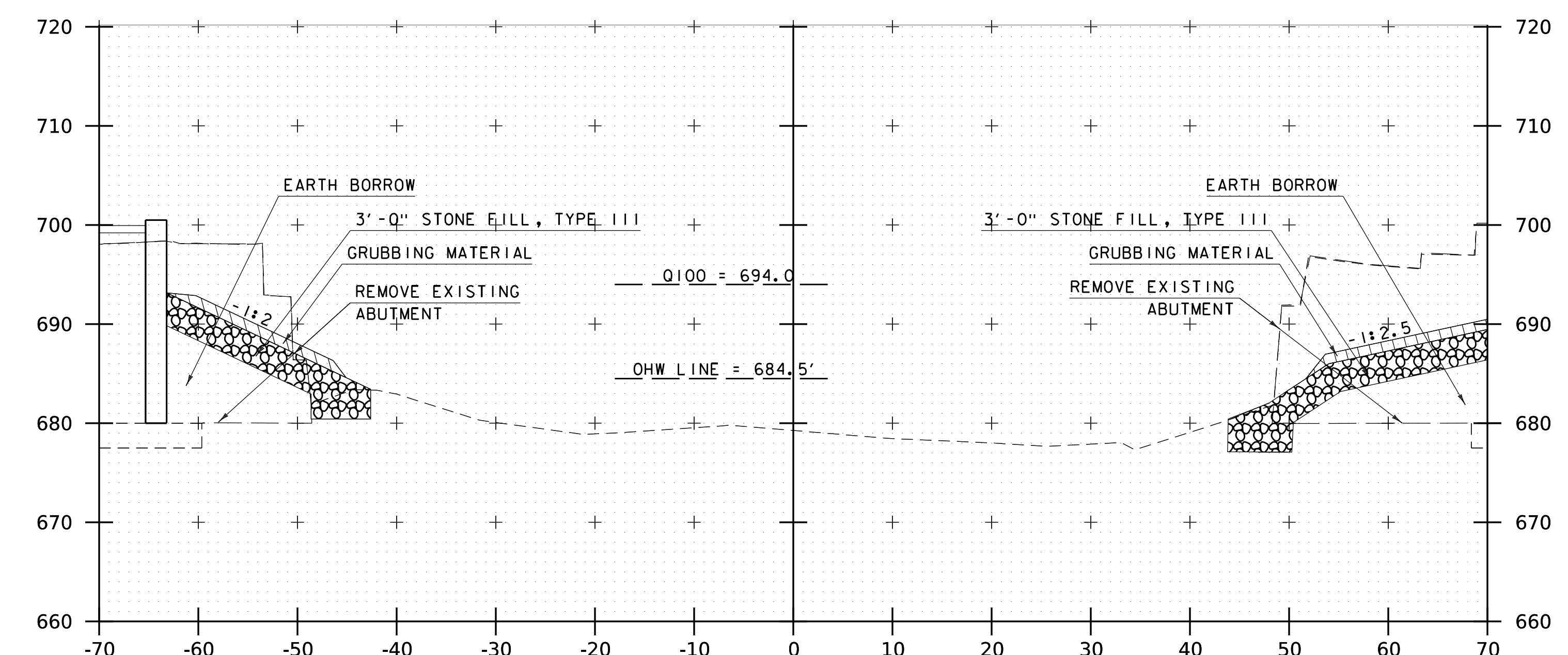


51+00

BEGIN;
CHANNEL EXCAVATION
STONE FILL TYPE III
GEOTEXTILE UNDER STONE FILL
STA 50+83.50



51+40



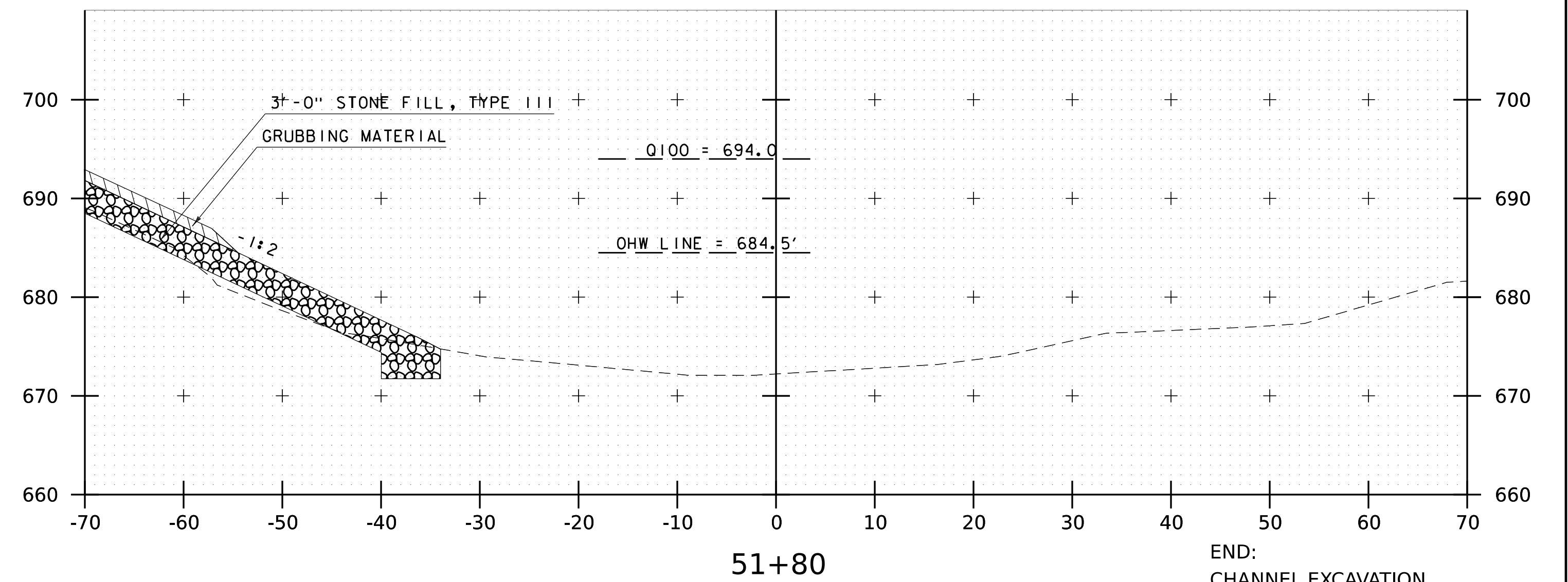
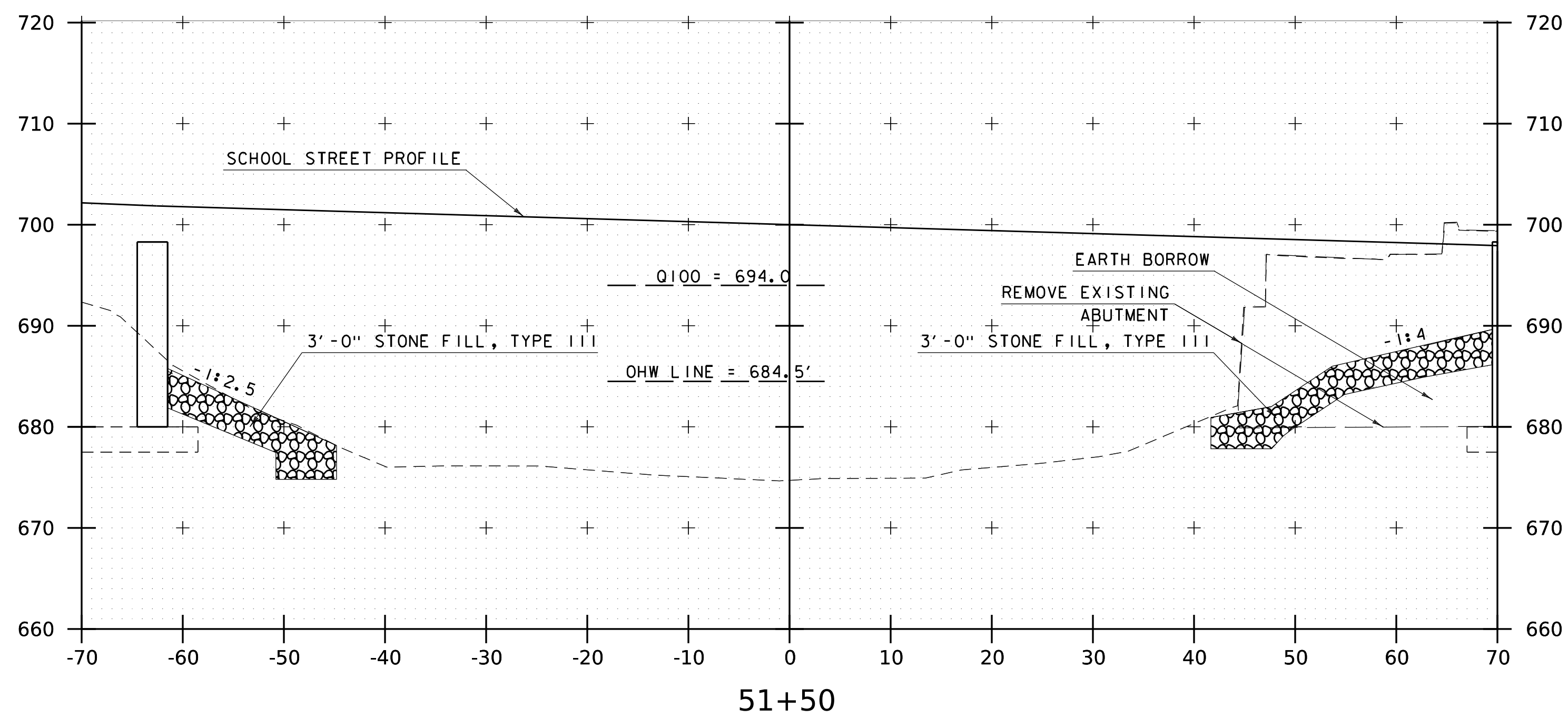
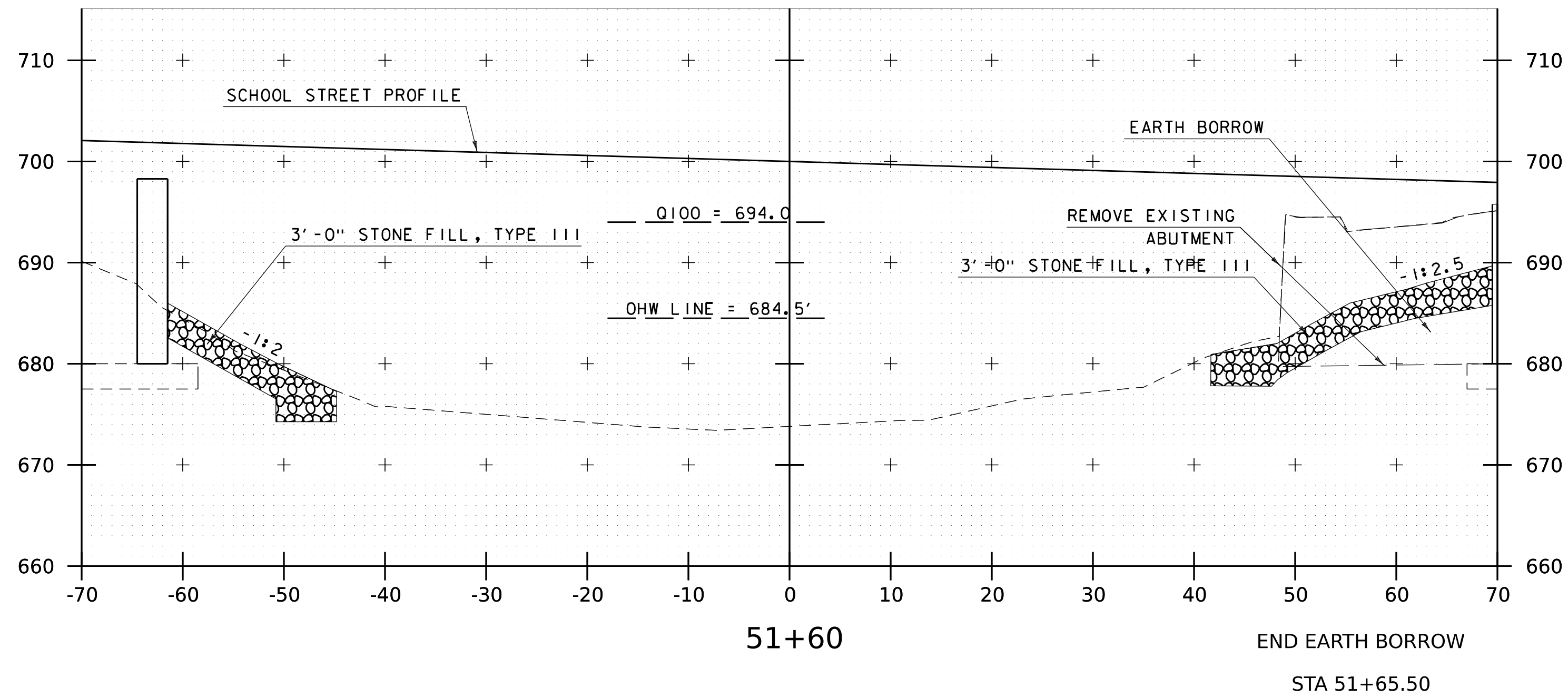
51+30

STA 51+00 TO 51+40
NOTE: STONE FILL SLOPES ARE
NOT PERPENDICULAR TO THE VT
ROUTE 15 BASELINE

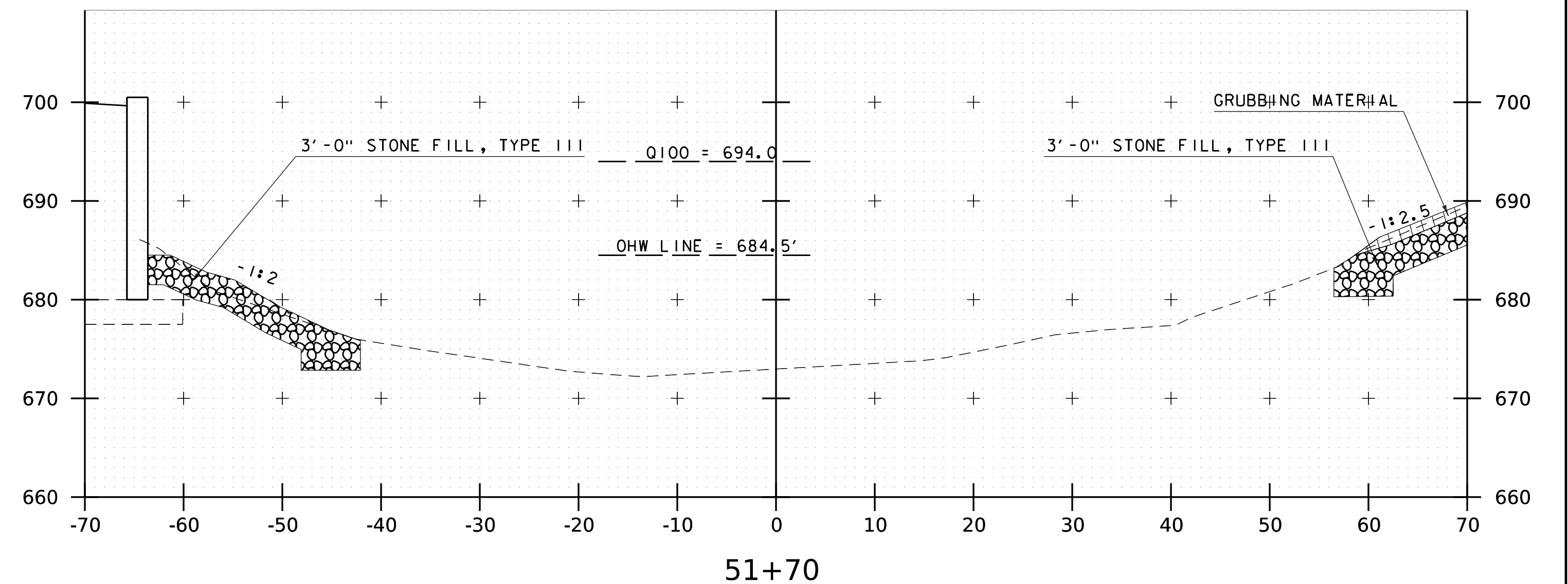
**McFarland Johnson**

MJ PROJECT #:	MODEL NAME
18502.04	CHANNEL SECTIONS

PROJECT NAME:	WOLCOTT	FILE NAME:	z19v222xs_rvr	PLOT DATE:	6/26/2023
PROJECT NUMBER:	BO 1446(38)	PROJECT LEADER:	D. KULL	DRAWN BY:	M. DOREO
		DESIGNED BY:	S. LISTER	CHECKED BY:	D. KULL
		CHANNEL CROSS SECTIONS I		SHEET	24 OF 28



END:
CHANNEL EXCAVATION
STONE FILL TYPE III
GEOTEXTILE UNDER STONE FILL
STA 52+88.64



STA 51+50 TO 51+80

NOTE: STONE FILL SLOPES ARE
NOT PERPENDICULAR TO THE VT
ROUTE 15 BASELINE



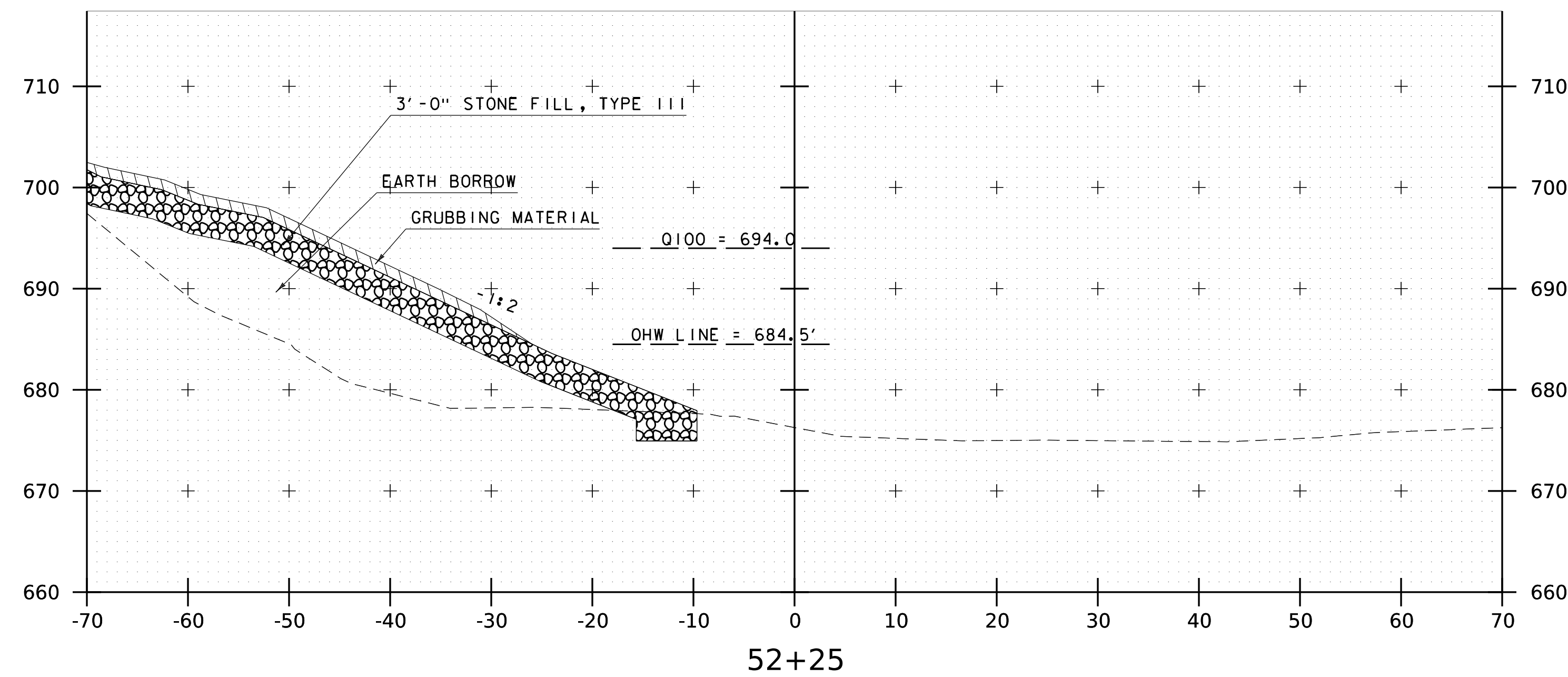
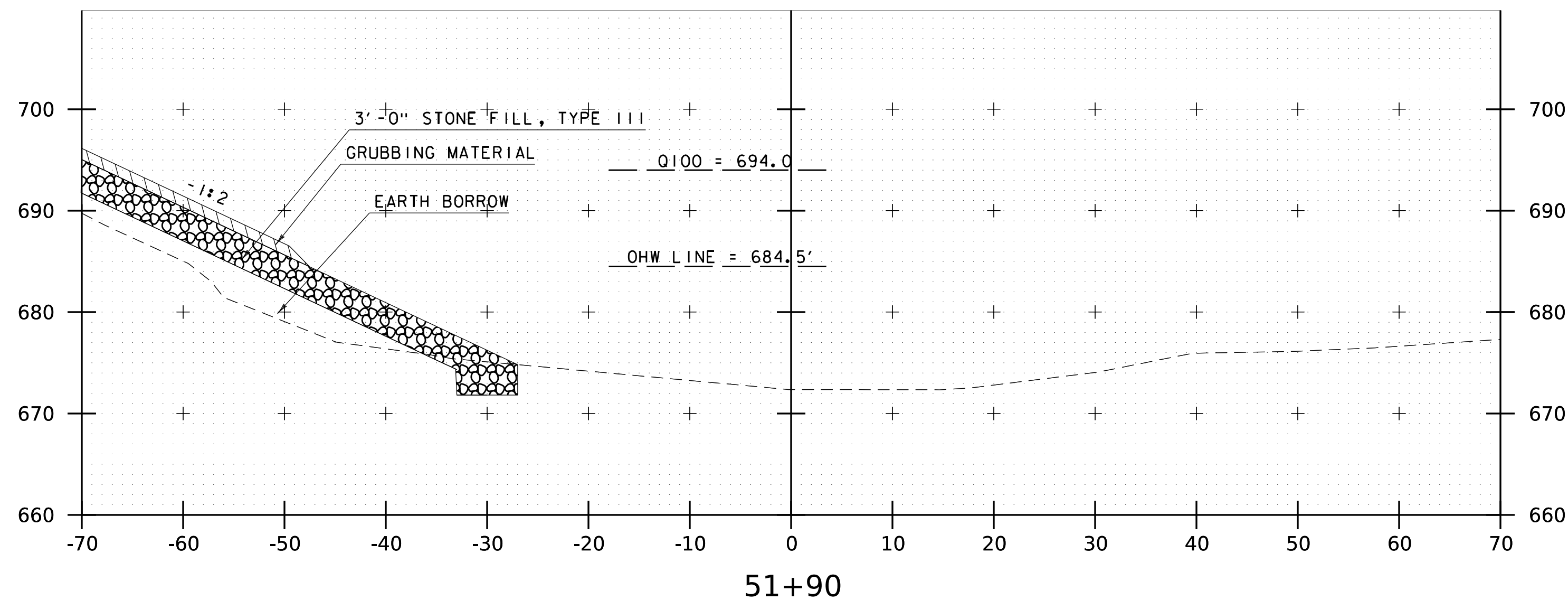
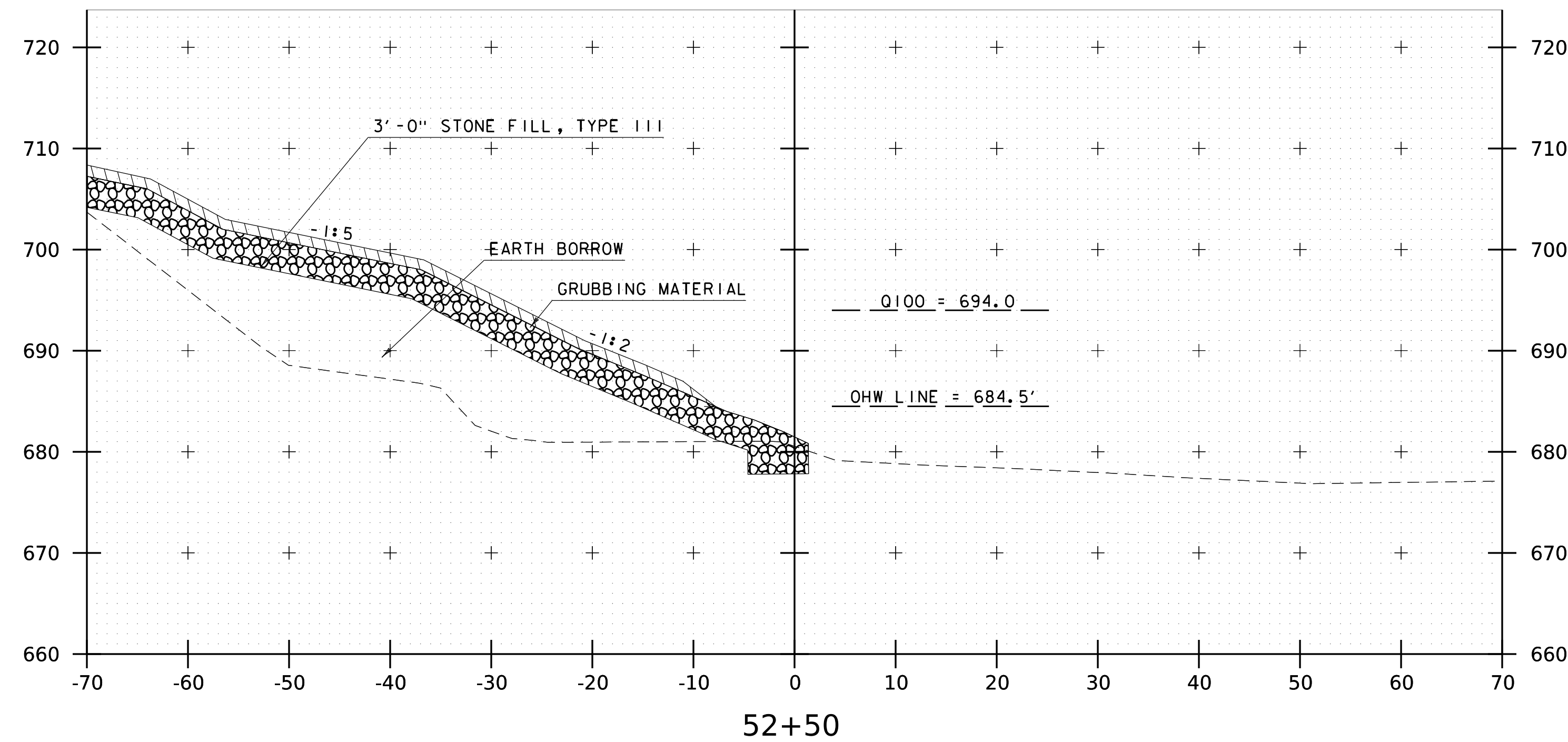
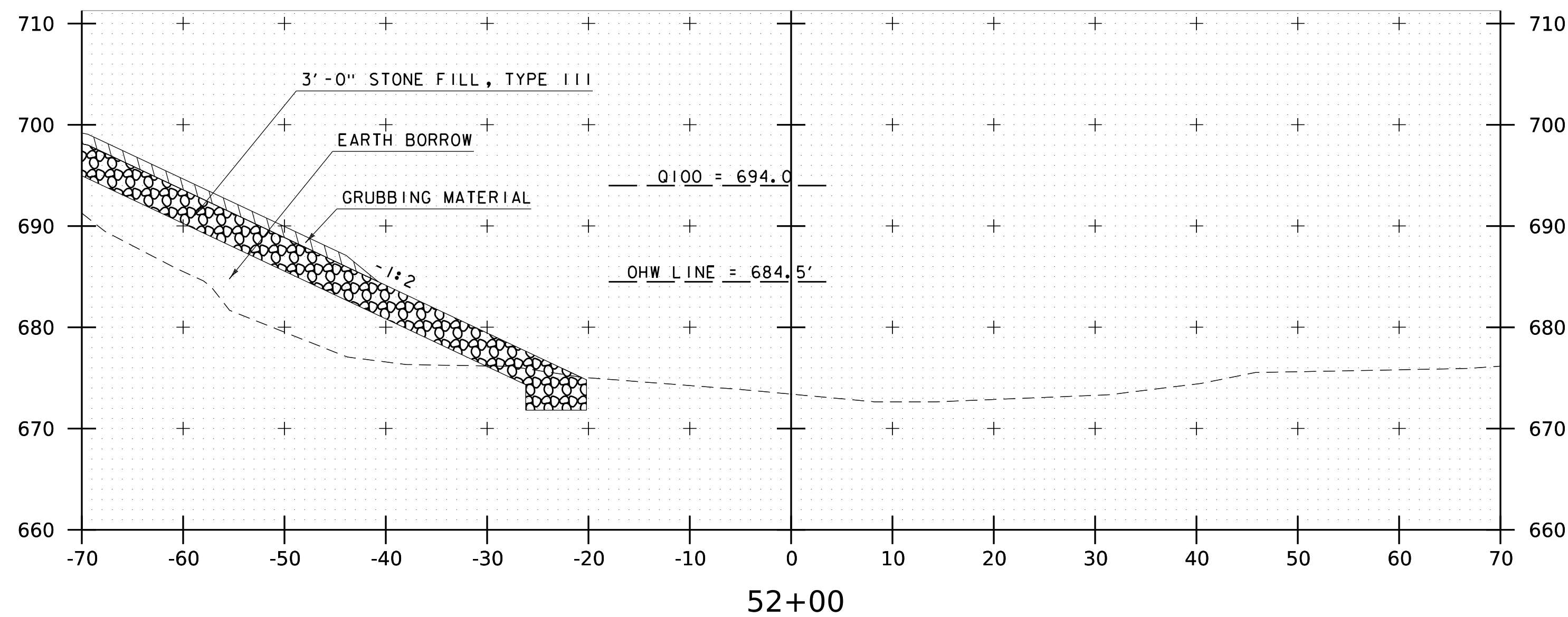
MJ PROJECT #:
18502.04

MODEL NAME
CHANNEL SECTIONS

PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

FILE NAME: z19v222xs_rvr
PROJECT LEADER: D. KULL
DESIGNED BY: S. LISTER
CHANNEL CROSS SECTIONS 2

PLOT DATE: 6/26/2023
DRAWN BY: M. DOREO
CHECKED BY: D. KULL
SHEET 25 OF 28



BEGIN EARTH BORROW
STA 51+88.00

STA 51+90 TO 52+50
NOTE: STONE FILL SLOPES ARE
NOT PERPENDICULAR TO THE VT
ROUTE 15 BASELINE



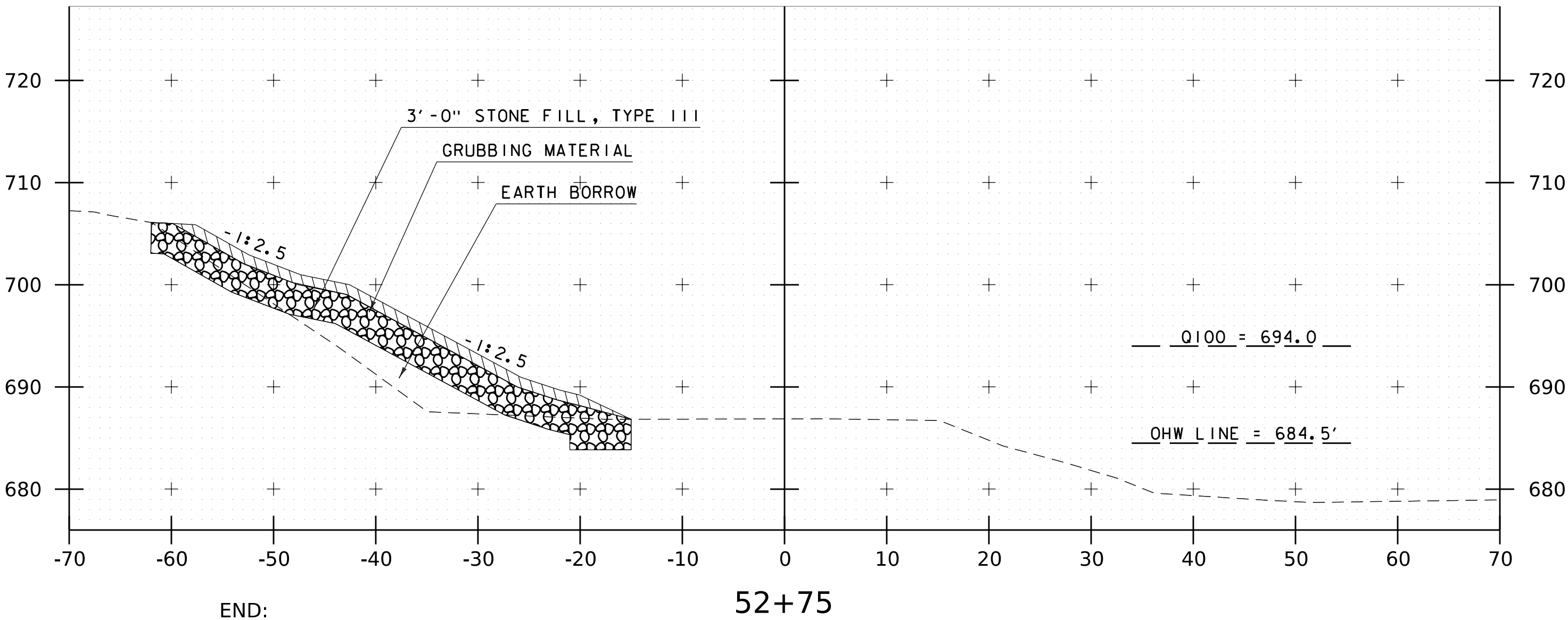
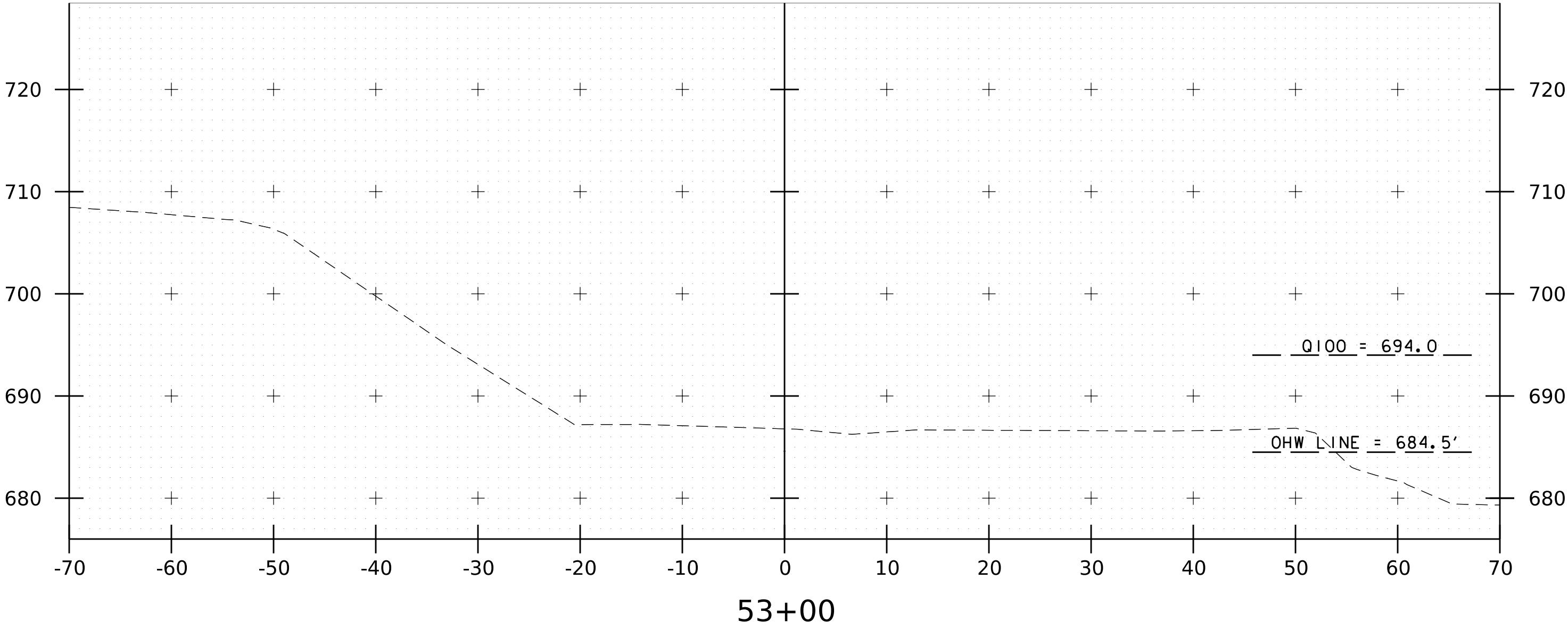
MJ PROJECT #:
18502.04

MODEL NAME
CHANNEL SECTIONS

PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

FILE NAME: z19v222xs_rvr
PROJECT LEADER: D. KULL
DESIGNED BY: S. LISTER
CHANNEL CROSS SECTIONS 3

PLOT DATE: 6/26/2023
DRAWN BY: M. DOREO
CHECKED BY: D. KULL
SHEET 26 OF 28



END:
CHANNEL EXCAVATION
STONE FILL TYPE III
GEOTEXTILE UNDER STONE FILL
EARTH BURROW

STA 52+75 TO 53+00
NOTE: STONE FILL SLOPES ARE
NOT PERPENDICULAR TO THE VT
ROUTE 15 BASELINE

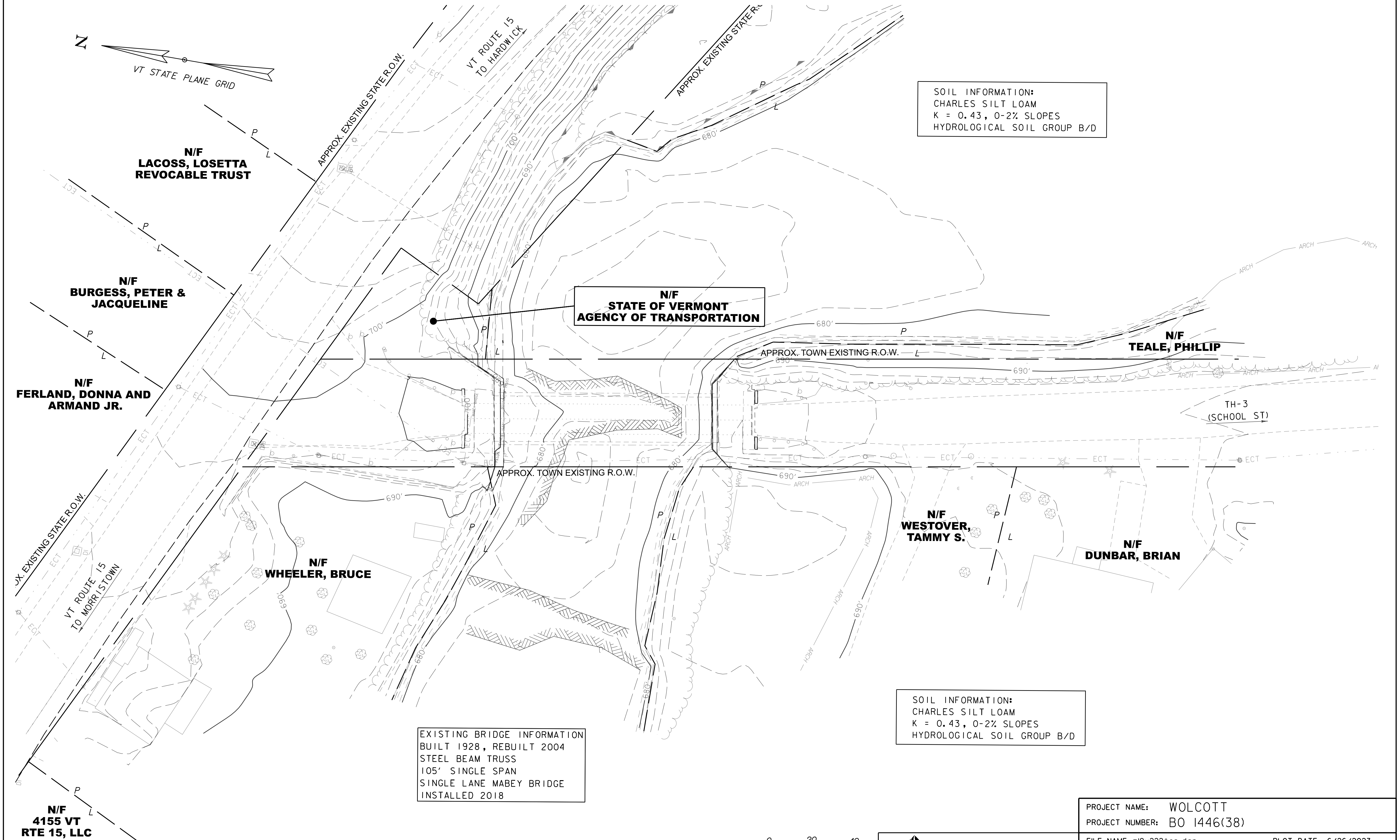
McFarland Johnson

MJ PROJECT #:	MODEL NAME
18502.04	CHANNEL SECTIONS

PROJECT NAME: WOLCOTT
PROJECT NUMBER: BO 1446(38)

FILE NAME: z19v222xs_rvr
PROJECT LEADER: D. KULL
DESIGNED BY: S. LISTER
CHANNEL CROSS SECTIONS 4

PLOT DATE: 6/26/2023
DRAWN BY: M. DOREO
CHECKED BY: D. KULL
SHEET 27 OF 28



 McFarland Johnson			PROJECT NAME: WOLCOTT	
			PROJECT NUMBER: BO 1446(38)	
MJ PROJECT #: 18502.04		MODEL NAME: EXISTING CONDITIONS	FILE NAME: z19v222+op.dgn	PLOT DATE: 6/26/2023
			PROJECT LEADER: D. KULL	DRAWN BY: M. DOREO
			DESIGNED BY: S. LISTER	CHECKED BY: D. KULL
			EXISTING CONDITIONS PLAN SHEET	SHEET 28 OF 28