PROJECT ID: 9877-03-71
WITH: N.A.

COUNTY: ONEIDA

ORDER OF SHEETS

TOTAL SHEETS =

N

DESIGN DESIGNATION 9877-03-01

A.A.D.T.	2026	=	72
A.A.D.T.	2046	=	78
D.H.V.		=	8
D.D.		=	50/50
T.		=	10.0%
DESIGN SPEED		=	45 MPH
ESALS		=	15,000

CONVENTIONAL SYMBOLS

PLAN
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES
- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

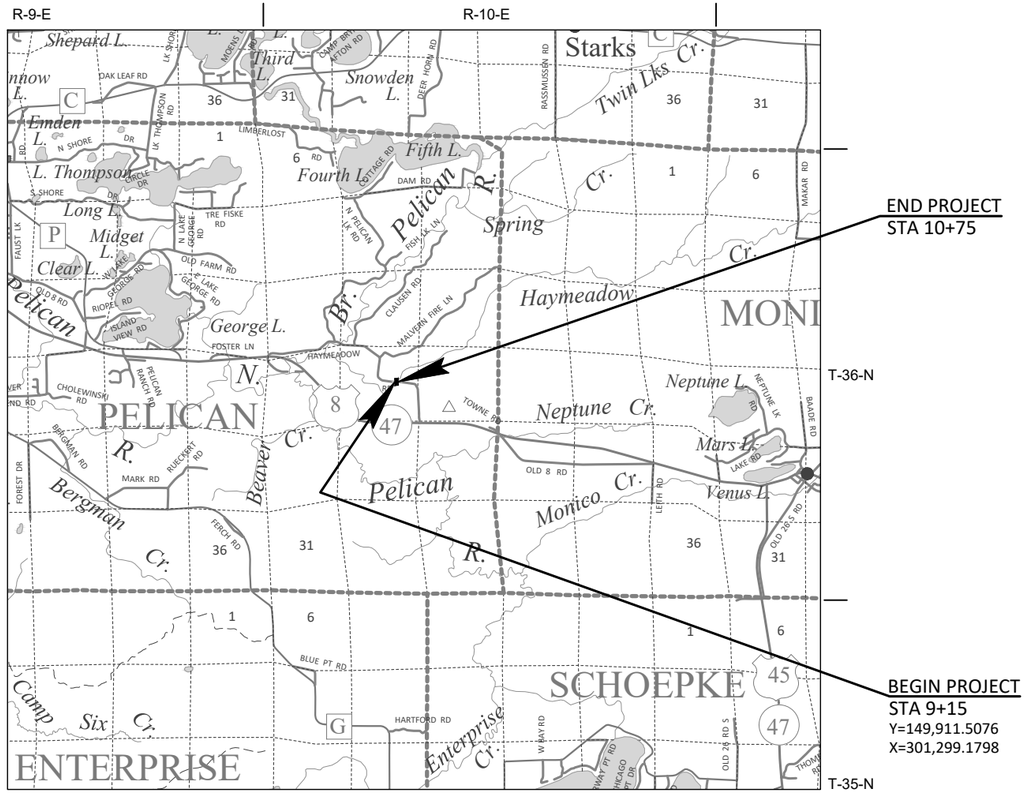
HAYMEADOW CREEK BRIDGE, P-43-0058

MALVERN FIRE LN - USH 8/STH 47

T PELICAN, HAYMEADOW ROAD
ONEIDA COUNTY

STATE PROJECT NUMBER
9877-03-71

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
9877-03-71		



END PROJECT
STA 10+75

BEGIN PROJECT
STA 9+15
Y=149,911.5076
X=301,299.1798

LAYOUT
SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 0.030 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), ONEIDA COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

ORIGINAL PLANS PREPARED BY

Short Elliott Hendrickson Inc.
6808 Odana Road, Suite 200
Madison, WI 53719-1137
608.620.6199 main | 888.908.8166 fax
800.732.4362 toll free | www.sehinc.com
Building a Better World for All of Us™

PRELIMINARY
30% REVIEW
NOT FOR BIDDING OR CONSTRUCTION

(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY
- Surveyor: SEH
- Designer: SEH
- Project Manager:
- Regional Examiner:
- Regional Supervisor:

APPROVED FOR THE DEPARTMENT

DATE: (Signature)

E

STANDARD ABBREVIATIONS:

ABUT	ABUTMENT
AC	ACRE
AGG	AGGREGATE
AECPRC	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
AECPCS	APRON ENDWALL FOR CULVERT PIPE CORRUGATED STEEL
ASPH	ASPHALTIC
AVG	AVERAGE
ADT	AVERAGE DAILY TRAFFIC
BF	BACK FACE
BM	BENCH MARK
BR	BRIDGE
CE	COMMERCIAL ENTRANCE
C/L	CENTER LINE
Δ	CENTRAL ANGLE OR DELTA
COB	CENTER OF BARRIER
CONC	CONCRETE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CR	CREEK
CY	CUBIC YARD
C&G	CURB AND GUTTER
D	DEGREE OF CURVE
DHV	DESIGN HOUR VOLUME
DISCH	DISCHARGE
DG	DITCH GRADE
DWY	DRIVEWAY
X	EAST GRID COORDINATE
EAT	STEEL PLATE BEAM GUARD ENERGY ABSORBING TERMINAL
EOR	END POINT OF RADIUS
EL	ELEVATION
ENT	ENTRANCE
ESALS	EQUIVALENT SINGLE AXLE LOADS
EXC	EXCAVATION
EBS	EXCAVATION BELOW SUBGRADE
EXIST	EXISTING
FC	FACE OF CURB
FF	FACE TO FACE
FERT	FERTILIZE
FE	FIELD ENTRANCE
FL	FLOW LINE
FO	FIBER OPTIC
CWT	HUNDREDWEIGHT
HYD	HYDRANT
ID	INSIDE DIAMETER
INV	INVERT
IP	IRON PIPE ON PIN
LHF	LEFT-HAND FORWARD
L	LENGTH OF CURVE
LF	LINEAR FOOT
LC	LONG CHORD OF CURVE
LS	LUMP SUM
MH	MANHOLE
MOR	MID POINT OF RADIUS
NC	NORMAL CROWN
NO	NUMBER
OBLIT	OBLITERATE
PAVT	PAVEMENT
PE	PRIVATE ENTRANCE
PVRC	POINT OF VERTICAL REVERSE CURVE
QOR	QUARTER POINT OF RADIUS
R	RADIUS
REQ'D	REQUIRED
RES	RESIDENCE OR RESIDENTIAL
RHF	RIGHT-HAND FORWARD
R/W	RIGHT-OF-WAY
R	RIVER
RDWY	ROADWAY
R/L	REFERENCE LINE
SALV	SALVAGED
SAN	SANITARY SEWER
SF	SQUARE FEET
SY	SQUARE YARD
SDD	STANDARD DETAIL DRAWINGS
STA	STATION
SS	STORM SEWER
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SE	SUPERELEVATION RATE
TC	TOP OF CURB
T OR TN	TOWN
T	TRUCKS (PERCENT OF)
TYP	TYPICAL
VAR	VARIABLE
VC	VERTICAL CURVE
Y	NORTH GRID COORDINATE
YD	YARD

RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = _._ ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = _._ACRES

DNR AREA LIAISON:

WI DEPT OF NATURAL REASOURCES
DNR NORTHERN REGION HEADQUARTERS
107 SUTLIFF AVENUE
RHINELANDER, WI 54501
TELEPHONE: 715.365.8916
ATTENTION: WENDY HENNIGES
EMAIL: WENDY.HENNIGES@WISCONSIN.GOV

TOWN OF PELICAN:

TOWN CHAIRMAN
4095 PINE LANE
RHINELANDER, WI 54501
TELEPHONE: 715.360.0493
ATTENTION: DAVE HOLLANDS
EMAIL: DHOLLANDS@PELICANFIRE.COM

WISDOT CONTACT:

WI DEPT OF TRANSPORTATION
510 N HANSON LAKE ROAD
RHINELANDER, WI 54501
TELEPHONE: 715.365.5862
ATTENTION: NATHAN WHITE
EMAIL: NATHANIEL.WHITE@DOT.WI.GOV

DESIGN CONTACT:

SHORT ELLIOTT HENDRICKSON INC
6808 ODANA ROAD, SUITE 200
MADISON, WI 53719-1137
TELEPHONE: 608.620.6192
ATTENTION: CHRISTOPHER BLUM
EMAIL: CBLUM@SEHINC.COM

UTILITY CONTACT LIST:

NO KNOWN UTILITIES IN THE PROJECT AREA

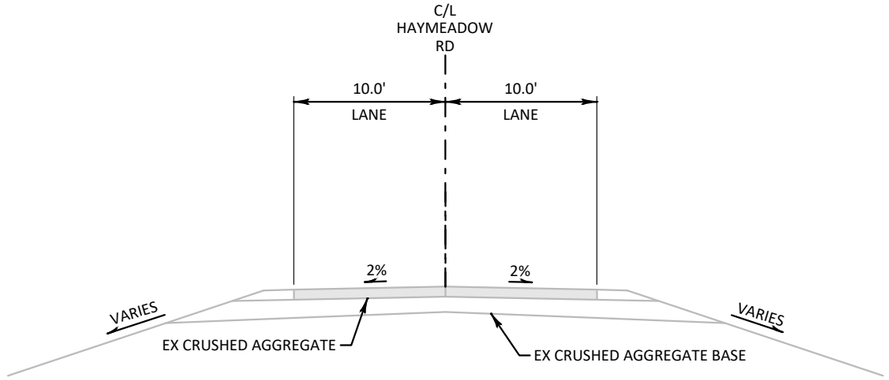
DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

GENERAL NOTES:

1. NO TREES OR SHRUBS SHALL BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
3. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.
4. PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS WITH THE ENGINEER.
5. WETLANDS, WATERWAYS, AND OTHER ENVIRONMENTALLY SENSITIVE AREAS SHALL BE PROTECTED AT ALL TIMES. DO NOT STORE EQUIPMENT OR MATERIALS NEAR THESE SITES UNLESS APPROVED BY THE ENGINEER.
6. INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.
7. BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP.
8. CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL DEPTH.
9. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
10. REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.
11. THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
12. ASPHALTIC AND CONCRETE SURFACES SHALL BE SAWCUT AT THE MATCH LINE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.
13. DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE TOPSOILED, FERTILIZED AND SEEDED.
14. FERTILIZER SHALL NOT BE USED NEAR NAVIGABLE WATERWAYS OR WETLANDS.
15. A CONVERSION FACTOR OF 2.0 TONS/CY IS USED TO ESTIMATE QUANTITIES FOR BASE AGGREGATE DENSE.
16. APPLY TACK COAT AT A RATE OF 0.07 GAL/SY TO MILLED SURFACE AND 0.05 GA/SY BETWEEN LAYERS OF HMA PAVEMENT.
17. HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LB/SY/IN.
18. THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISITENT WITH THE PLAN AND TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, PASSING OR PARKING LANE.

2

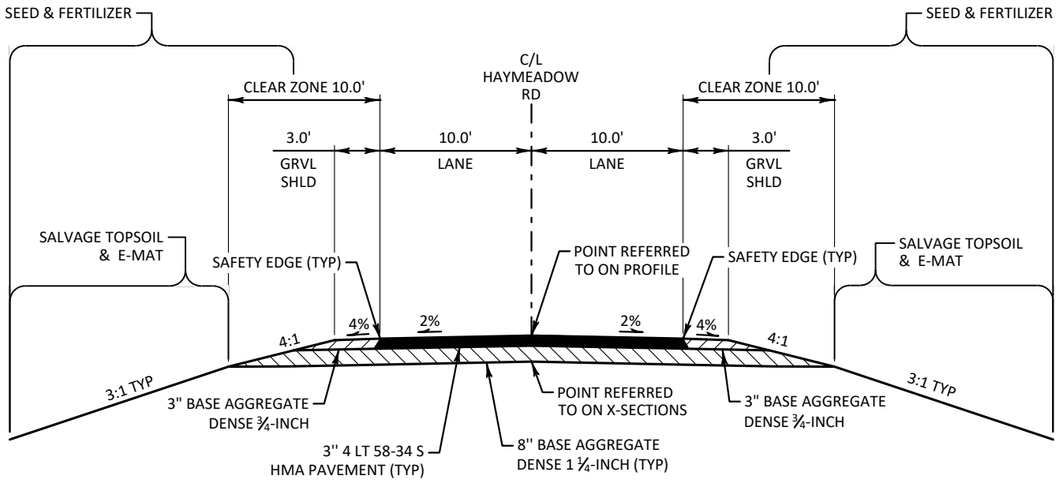
2



TYPICAL EXISTING SECTION

HAYMEADOW ROAD

STA 8+60 - STA 11+60



TYPICAL PROPOSED SECTION

HAYMEADOW ROAD

STA 8+60 - STA 11+60

PROJECT NO: 9877-03-71	HWY: LOCAL (HAYMEADOW RD)	COUNTY: ONEIDA	TYPICAL SECTIONS	SHEET	E

SURVEY CONTROL POINTS					
POINT ID	STATION	OFFSET	NORTHING	EASTING	ELEVATION
CP1	7+99.56	12.76' RT	149181.192	301182.832	1569.42
CP2	10+74.57	12.89' LT	149214.942	301457.972	1569.64
CP3	12+71.11	0.98' LT	149190.533	301654.374	1569.73

BENCHMARK TABLE			
NO.	STATION / OFFSET	DESCRIPTION	ELEV.
BM1	7+95.03 / 21.97' RT	SPK IN 16" PINE	1571.22'
BM2	10+74.69 / 12.86' LT	3/4" REBAR	1569.66'
BM3	12+97.05 / 21.11' RT	SPK IN 20" PINE	1570.97'

JAMES R SCHERTZ
NANCY A SCHERTZ
ID: PE-677

THOMAS ALBRECHT FAM TR
GEORGIAN ALBRECHT FAM TR
ID: PE-678-2

N

EX R/W (TYP)

PC: 7+52.31

PT: 9+56.28

PC: 10+28.55

PI: 11+34.74

PT: 12+40.14

7+00

S82° 47' 28"E

8+00

HAYMEADOW RD

C1

9+00

N85° 31' 20"E

10+00

CP2 BM2

11+00

C2

12+00

S82° 21' 17"E

13+00

CP3

STA 7+00.00 POT:
Y=149,205.2972
X=301,084.9334

CP1

BM1

STA 13+00.00 POT:
Y=149,185.7210
X=301,682.8808

BM3

SLOPE INTERCEPT (TYP)

	C1	C2
PI STA =	8+54.65	11+34.74
Y =	149,185.8903	149,207.8126
X =	301,238.3606	301,518.3049
Δ =	11°41'12"	12°07'23"
D =	5°43'46"	5°43'46"
T =	102.34'	106.19'
L =	203.97'	211.59'
R =	1,000.00'	1,000.00'
PC STA =	7+52.31	10+28.55
PT STA =	9+56.28	12+40.14

BEGIN PROJECT
STA 8+60.00
Y=149,190.9923
X=301,244.1892
MATCH EX LANE

PI: 8+54.65

END PROJECT
STA 11+60.00
MATCH EX LANE

EX PL (TYP)

HAYMEADOW CREEK

JAMES R SCHERTZ
NANCY A SCHERTZ
ID: PE-677

THOMAS ALBRECHT FAM TR
GEORGIAN ALBRECHT FAM TR
ID: PE-678-2

5

5

STA 8+63.00
EL 1569.53

VPC STA 9+15.00
VPC EL 1570.34

VPI STA 10+15.00
VPI EL 1571.89

VPT STA 11+15.00
VPT EL 1570.42

STA 11+40.00
EL 1570.05

STA 11+60.00
EL 1569.90

0.85%

1.55%

-1.47%

-0.77%

EXISTING GROUND
AT REF LINE

PROPOSED PROFILE
AT REF LINE

VCL = 200.00

K = 66.33

STA 8+60.00
EL 1569.51

EXISTING PROFILE
ELEVATIONS

FINISHED PROFILE
ELEVATIONS

1576 1574 1572 1570 1568 1566 1564 1562

7+00	8+00	9+00	10+00	11+00	12+00	13+00
1570.88	1570.65	1570.41	1570.20	1570.03	1569.91	1569.76
1569.61	1569.51	1569.51	1569.54	1569.80	1569.56	1570.11
1569.66	1570.41	1569.86	1570.68	1570.05	1570.88	1570.19
1571.03	1564.26	1571.11	1570.15	1571.13	1570.01	1571.09
1569.97	1571.00	1569.96	1570.84	1569.95	1570.62	1569.91
1570.35	1569.92	1570.05	1569.90	1569.90	1569.89	1569.83
1569.77	1569.77	1569.79	1569.87	1570.06		

PROJECT NO: 9877-03-71	HWY: LOCAL (HAYMEADOW RD)	COUNTY: ONEIDA	PLAN AND PROFILE: HAYMEADOW ROAD	SHEET	E

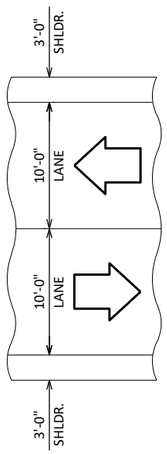
FILE NAME : X:\PT\P\PELTW\179380\5-final-dsgn\51-drawings\40-TransHwy\C3D HAYMEADOW\sheets\SEC 05 Plan & Profile\050101_pp (Plan & Profile - Bridge).dwg
PLOT DATE : 3/14/2025 12:45 PM
PLOT BY : SEH
LAYOUT NAME : 01
PLOT SCALE : 1.0 IN = 40.0 FT
WISDOT/CADDS SHEET 44

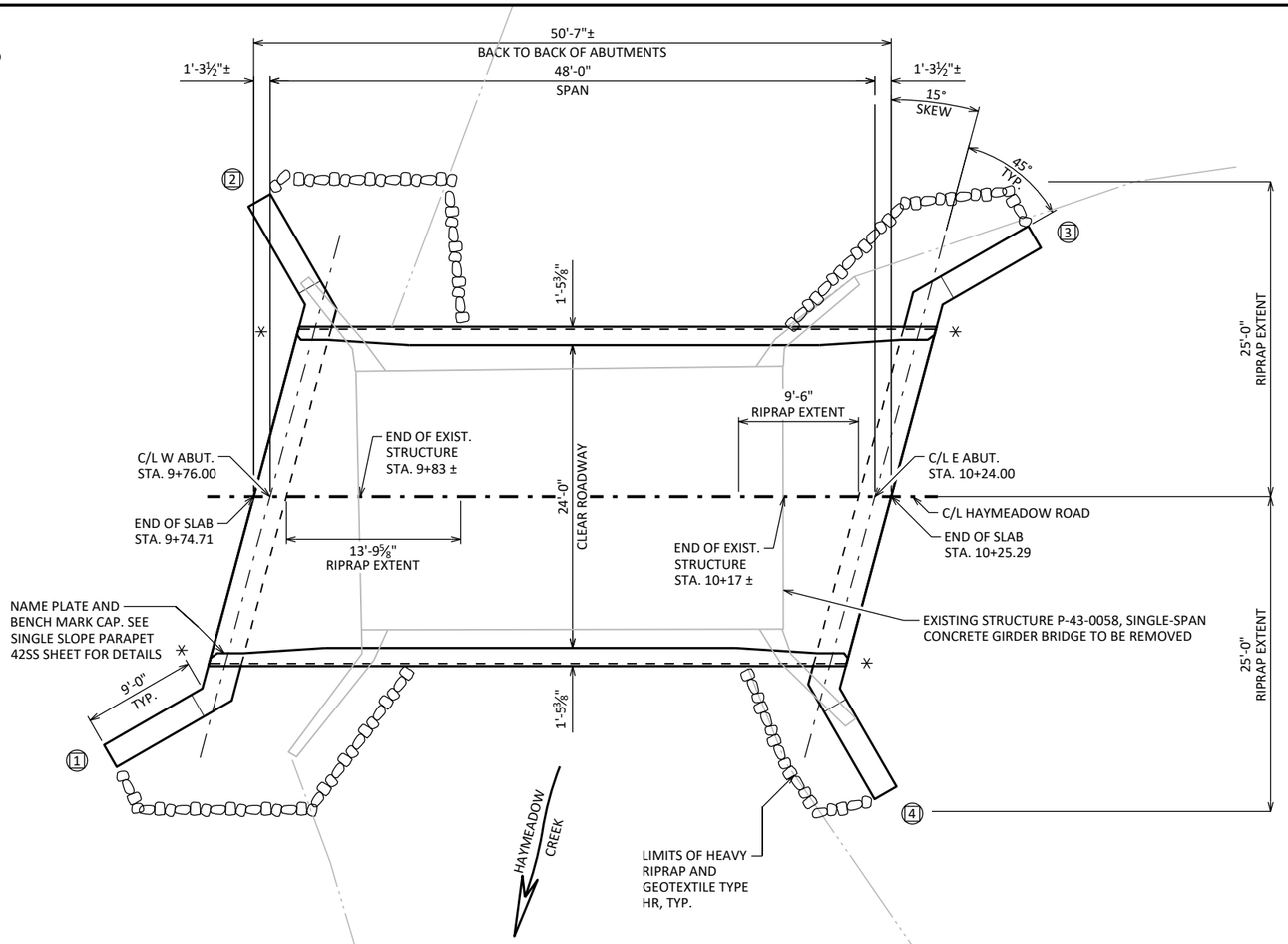
STATE PROJECT NUMBER

9877-03-71

✳ PROVIDE FOR THRIE BEAM GUARD RAIL ATTACHMENT.

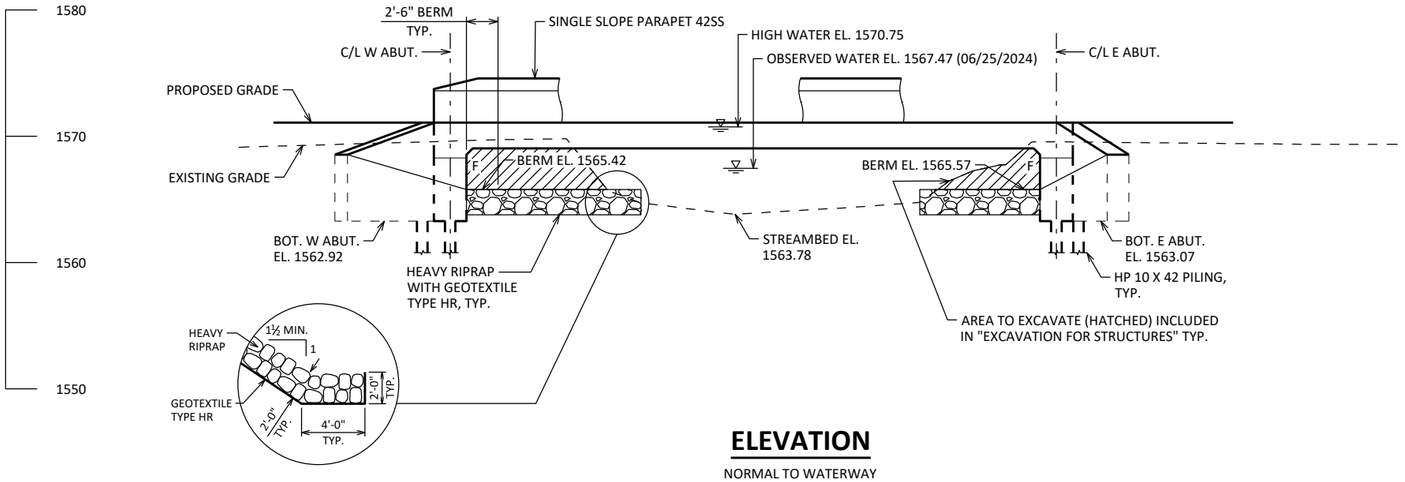
(n) INDICATES WING NUMBER





PLAN

SINGLE SPAN FLAT SLAB



ELEVATION

NORMAL TO WATERWAY

THIS SHEET WAS CREATED BY THE WISDOT BUREAU OF STRUCTURES STANDARD BRIDGE DESIGN TOOL VERSION 1.1.0.0

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF = 1.07
OPERATING RATING FACTOR: RF = 1.39
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE — f'c = 4,000 P.S.I.
ALL OTHER — f'c = 3,500 P.S.I.

BAR STEEL REINFORCEMENT:
GRADE 60 — fy = 60,000 P.S.I.

FOUNDATION DATA

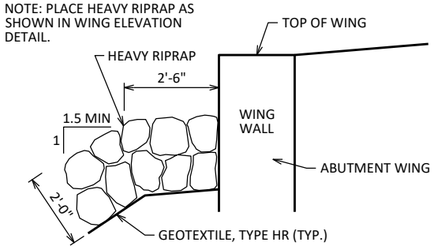
ABUTMENTS TO BE SUPPORTED ON HP 10 x 42 PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS †† PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. PRE-BORING TO BE COMPLETED AT WEST ABUTMENT. ESTIMATED 15 FEET LONG AT WEST ABUTMENT AND 20 FEET AT EAST ABUTMENT.

†† THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

HAYMEADOW ROAD
ADT = 72 (2026)
R.D.S. = 45 M.P.H.

NOTE: PLACE HEAVY RIPRAP AS SHOWN IN WING ELEVATION DETAIL.



TYPICAL FILL SECTION AT WING

HYDRAULIC DATA

100 YEAR FREQUENCY

Q_{100} = 650.00 C.F.S.
VEL. = 1.37 F.P.S.
HW_{100} = EL. 1570.75
WATERWAY AREA = 506.64 SQ. FT.
DRAINAGE AREA = 21.00 SQ. MI.
ROADWAY OVERTOPPING = Y
SCOUR CRITICAL CODE = 5

2 YEAR FREQUENCY

Q_2 = 225.00 C.F.S.
VEL. = 1.36 F.P.S.
HW_2 = EL. 1569.19

ROAD OVERTOPPING FREQUENCY

FREQUENCY = 4 YEARS
Q_4 = 300 C.F.S
HW_4 = EL. 1569.57

LIST OF DRAWINGS

STRUCTURE DESIGN CONTACTS:

CHRIS BLUM 608-620-6192
AARON BONK 608-261-0261

THESE PLANS ARE BASED UPON STANDARD BRIDGE PLANS DEVELOPED AND MAINTAINED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION THROUGH THE USE OF THE WISDOT STANDARD BRIDGE DESIGN TOOL. THE UNDERSIGNED DESIGNER CERTIFIES THE ACCURACY OF THE BRIDGE TYPE, SIZE AND LOCATION, HYDRAULICS AND FOUNDATION SUPPORT, AND INFORMATION IN THE PLANS THAT IS NOT PART OF THE STANDARD PLANS SUPPLIED BY THE DEPARTMENT. THE DESIGNER FURTHER CERTIFIES THAT USE OF THE STANDARD BRIDGE DESIGN TOOL FOR DEVELOPMENT OF THIS PLAN IS CONSISTENT WITH THE GUIDANCE PROVIDED IN THE WISDOT BRIDGE MANUAL.

WISCONSIN PROFESSIONAL ENGINEER
CHRISTOPHER J. BLUM
E-33157
MADISON
WI

NO.	DATE	REVISION	BY

SEH
SHORT ELLIOTT HENDRICKSON INC.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER — DATE

STRUCTURE B-43-70

HAYMEADOW ROAD OVER HAYMEADOW CREEK

COUNTY	TOWN
ONEIDA	PELICAN

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATION

DESIGNED BY	DESIGNED CK'D	DRAWN BY	PLANS CK'D
JGM	DKW	JGM	CJB

GENERAL PLAN

SHEET 1 OF10

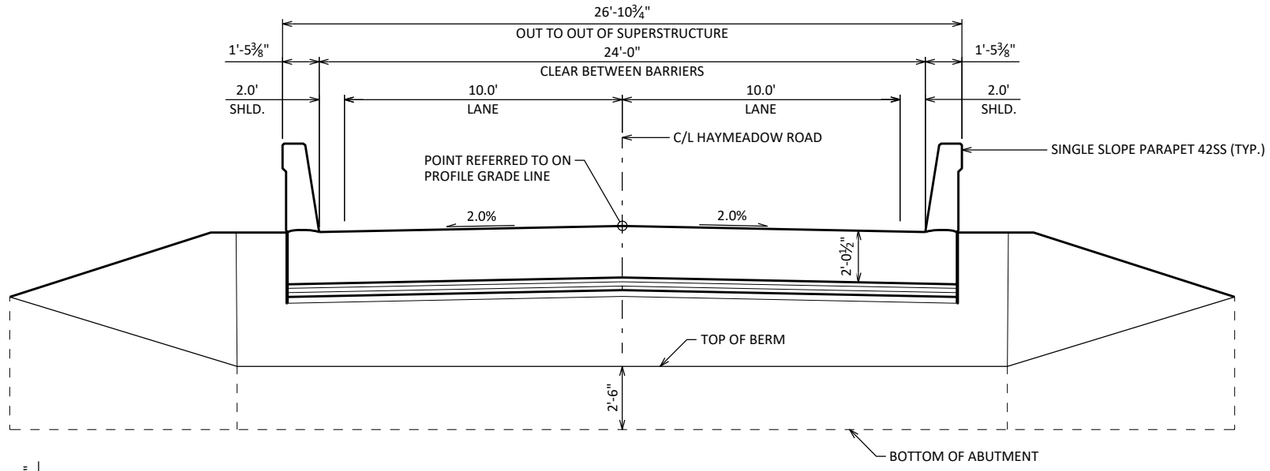
SCALE = 12

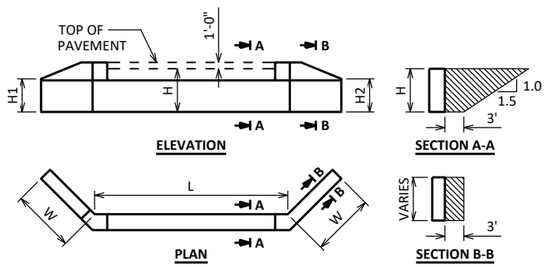
I.D. DATE:

8 8

STATE PROJECT NUMBER

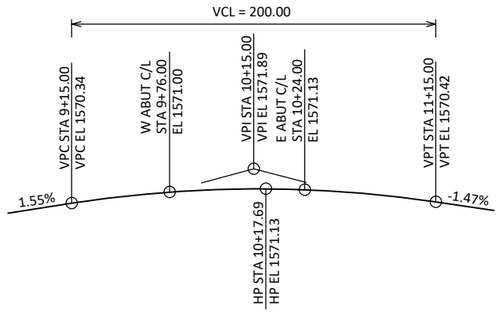
9877-03-71





CROSS SECTION THRU ROADWAY

LOOKING UPSTATION
(PILING NOT SHOWN FOR CLARITY)



PROFILE GRADE LINE

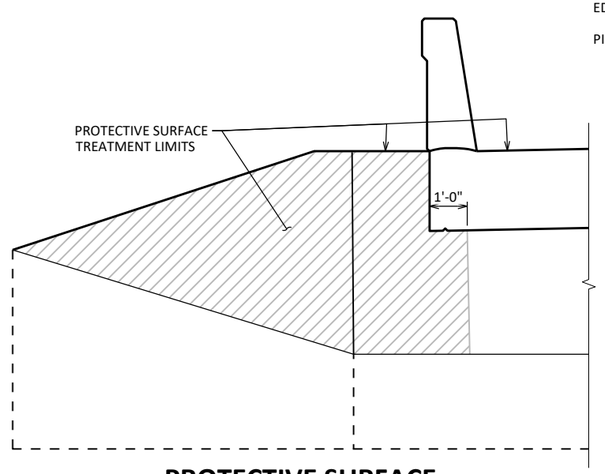
ABUTMENT BACKFILL DIAGRAM

L = ABUTMENT BODY LENGTH AT BACKFACE (FT)
H = AVERAGE ABUTMENT FILL HEIGHT (FT)
H1 = WING 1 HEIGHT AT TIP (FT)
H2 = WING 2 HEIGHT AT TIP (FT)
W = WING LENGTH (FT)
EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS AND 1.00 FOR TON BID ITEMS)
V_{CF} = (L)(3.0')(H) + (L)(0.5)(1.5H)(H) + (3')(0.5)(H1+H2+H+H)(W)
V_{CY} = V_{CF}(EF)/27
V_{TON} = V_{CY}(2.0)

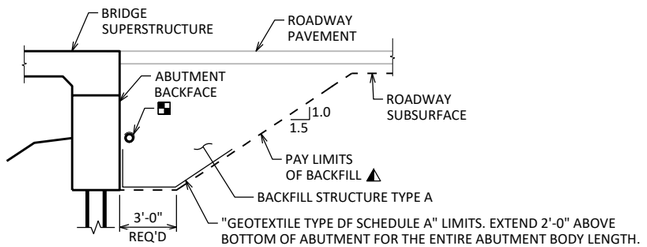
TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	UNIT	SUPER	WEST ABUT.	EAST ABUT.	TOTALS
203.0260	REMOVING STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS P-43-58	EACH	---	---	---	1
206.1001	EXCAVATION FOR STRUCTURES BRIDGES B-43-70	EACH	---	---	---	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	---	157	157	314
502.0100	CONCRETE MASONRY BRIDGES	CY	119	26	26	171
502.3200	PROTECTIVE SURFACE TREATMENT	SY	135	16	16	167
502.3210	PIGMENTED SURFACE SEALER	SY	50	---	---	50
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	---	2,050	2,050	4,100
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	26,180	1,520	1,520	29,220
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	---	6	6	12
550.0020	PRE-BORING ROCK OR CONSOLIDATED MATERIALS	LF	---	20	---	20
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	---			
606.0300	RIPRAP HEAVY	CY	---			
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	---	70	70	140
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH		---	---	
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	---	43	43	86
645.0120	GEOTEXTILE TYPE HR	SY	---			
	NON-BID ITEMS					
	FILLER	SIZE	---	---	---	½", ¾"
	NAMEPLATE	EACH	1	---	---	1
	BENCHMARK	EACH	1	---	---	1

THIS SHEET WAS CREATED BY THE WISDOT BUREAU OF STRUCTURES STANDARD BRIDGE DESIGN TOOL VERSION 1.1.0.0



PROTECTIVE SURFACE TREATMENT DETAILS



TYPICAL SECTION THRU ABUTMENT

▲ BACKFILL PAY LIMITS. BACKFILL BEYOND PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

▪ PIPE UNDERDRAIN WRAPPED (6-INCH). SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BEVEL EXPOSED EDGES OF CONCRETE ¾" UNLESS OTHERWISE NOTED.

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES B-43-0070" SHALL BE THE EXISTING GROUNDLINE.

AT THE BACK FACE OF ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TYPE A.

EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE SET AT THE BOTTOM OF EXCAVATION AND EXTEND 2'-0" ABOVE BOTTOM OF ABUTMENT.

THE QUANTITY FOR BACKFILL STRUCTURE IS CALCULATED BASED ON THE DETAIL SHOWN IN THE PLANS.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE TYPE HR TO THE EXTENT SHOWN ON SHEET 1 AND THE ABUTMENT DETAILS.

AT ABUTMENTS, CONCRETE POURED UNDER WATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH SECTION 502.3.5.3 OF THE STANDARD SPECIFICATIONS.

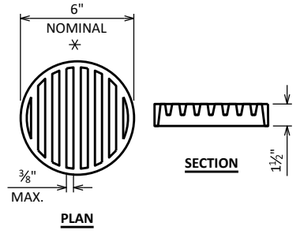
SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE UNLESS AN ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO ENTIRE EXPOSED TOP OF SLAB, THE TOP AND EXTERIOR EXPOSED FACE OF WINGS AND FRONT FACE OF ABUTMENT TO 1'-0" PAST THE EDGE OF SLAB.

PIGMENTED SURFACE SEALER TO BE APPLIED TO THE FRONT FACE AND TOP OF PARAPET.

BENCH MARK

NO.	STATION/OFFSET	DESCRIPTION	ELEV.
BM1	7+95.03/21.97' RT	SPK IN 16" PINE	1571.22
BM2	10+74.69/12.86' LT	¾" REBAR	1569.66
BM3	12+97.05/21.11' RT	SPK IN 20" PINE	1570.97



RODENT SHIELD DETAIL

✳ DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALLY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-43-70

DRAWN BY JGM | PLANS CK'D CLB

CROSS SECTION & QUANTITIES

SHEET 2

SCALE = 6.0

8

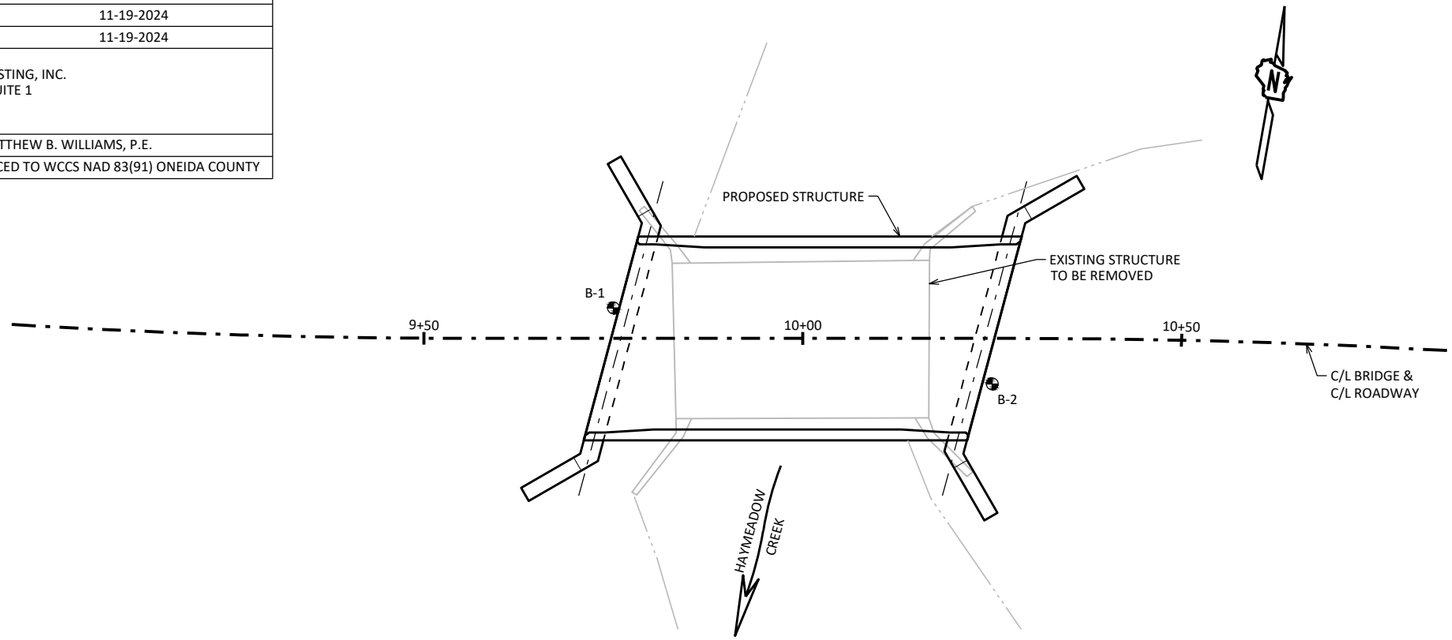
8

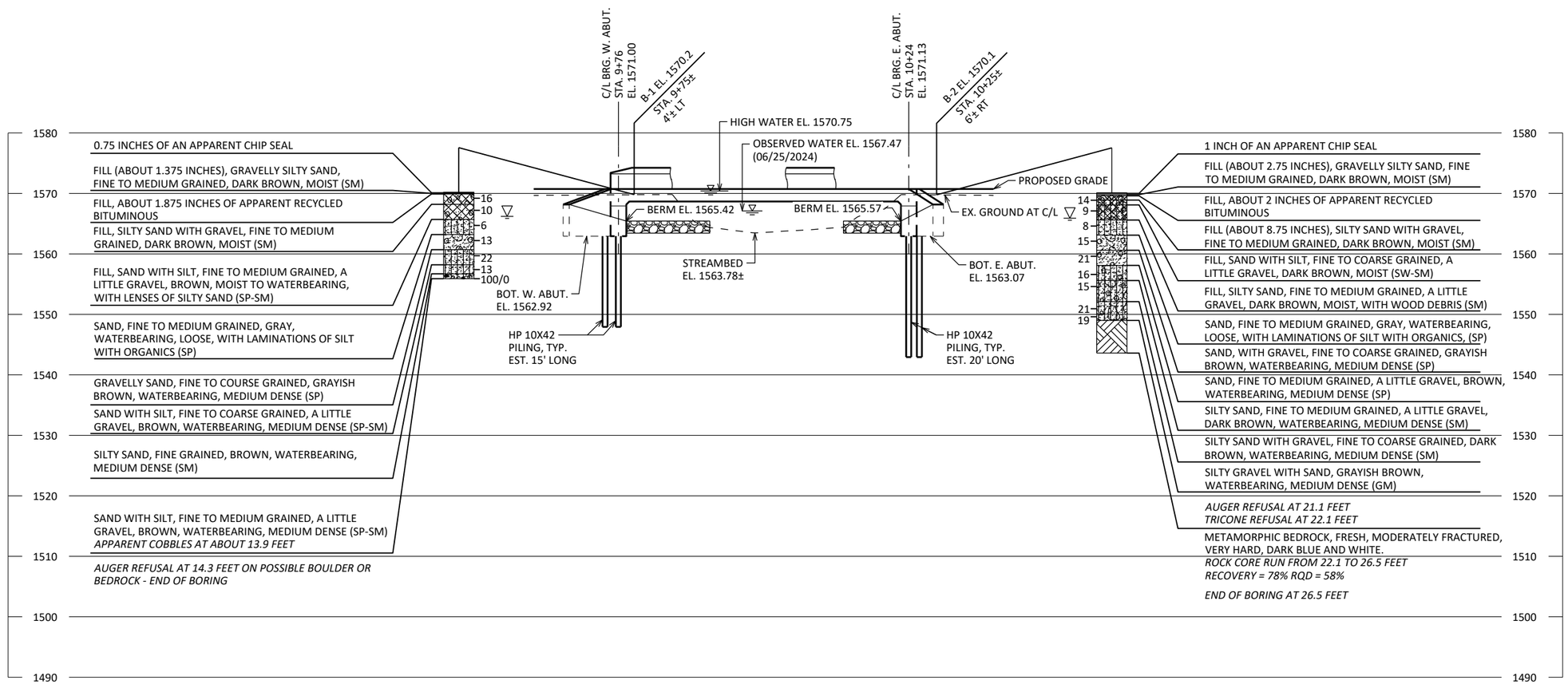
BORING #	DATE COMPLETED
B-1	11-19-2024
B-2	11-19-2024

BORINGS COMPLETED BY:
AMERICAN ENGINEERING TESTING, INC.
4203 SCHOFIELD AVENUE, SUITE 1
SCHOFIELD, WI 54476
(715) 359-3534

REPORT COMPLETED BY: MATTHEW B. WILLIAMS, P.E.

ALL COORDINATES REFERENCED TO WCCS NAD 83(91) ONEIDA COUNTY





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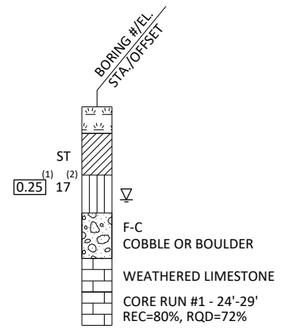
STATE PROJECT NUMBER

9877-03-71

MATERIAL SYMBOLS

ASPHALT, TOPSOIL, PEAT
CONCRETE, FILL, GRAVEL
SAND, CLAY, SILT
BOULDERS OR COBBLES, LIMESTONE, BEDROCK (UNKNOWN)
SHALE, SANDSTONE, IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

AT TIME OF DRILLING
END OF DRILLING
AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

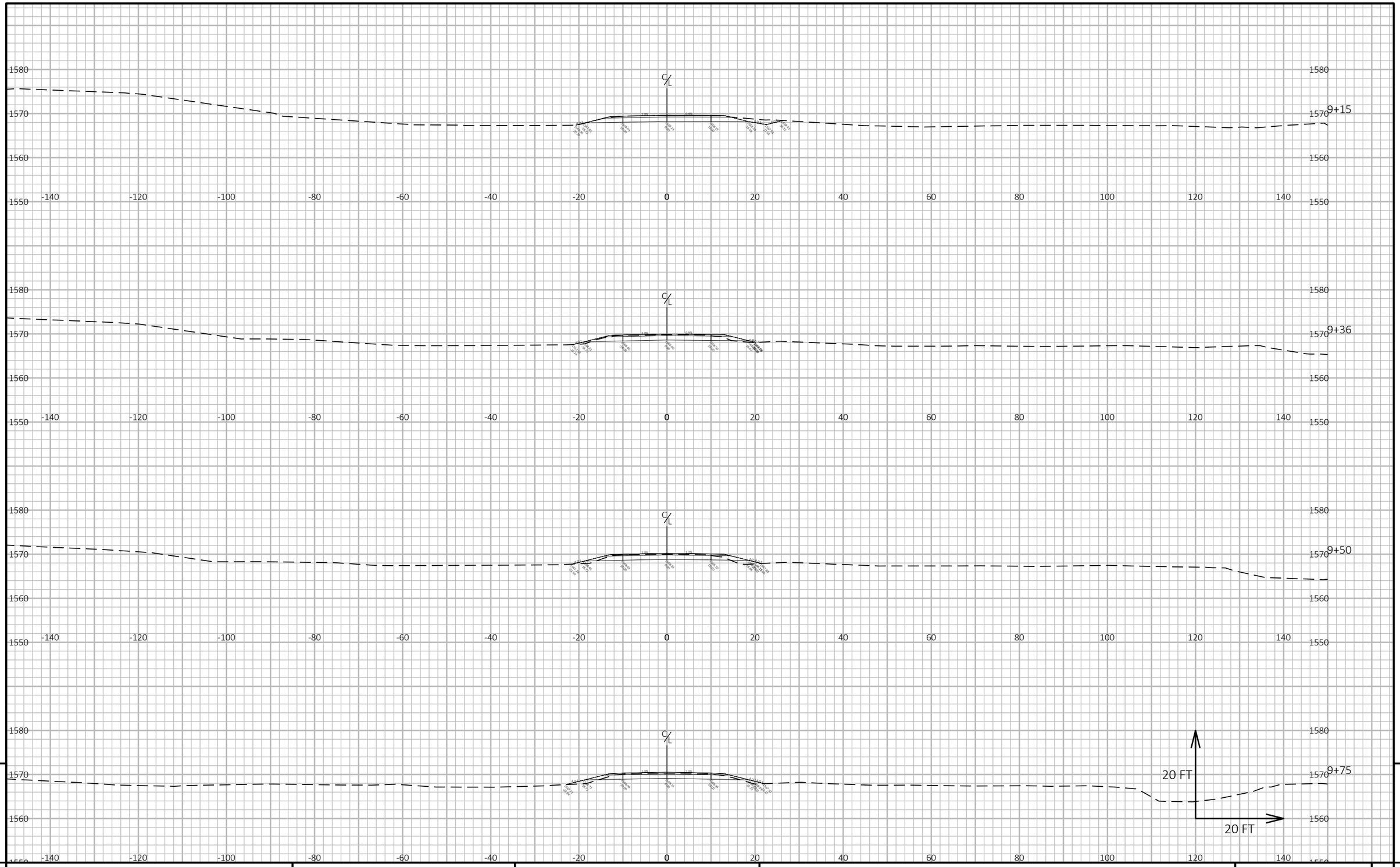
STRUCTURE B-43-70

DRAWN BY ZLM | PLANS CK'D JGM

SUBSURFACE EXPLORATION

SHEET 3

8



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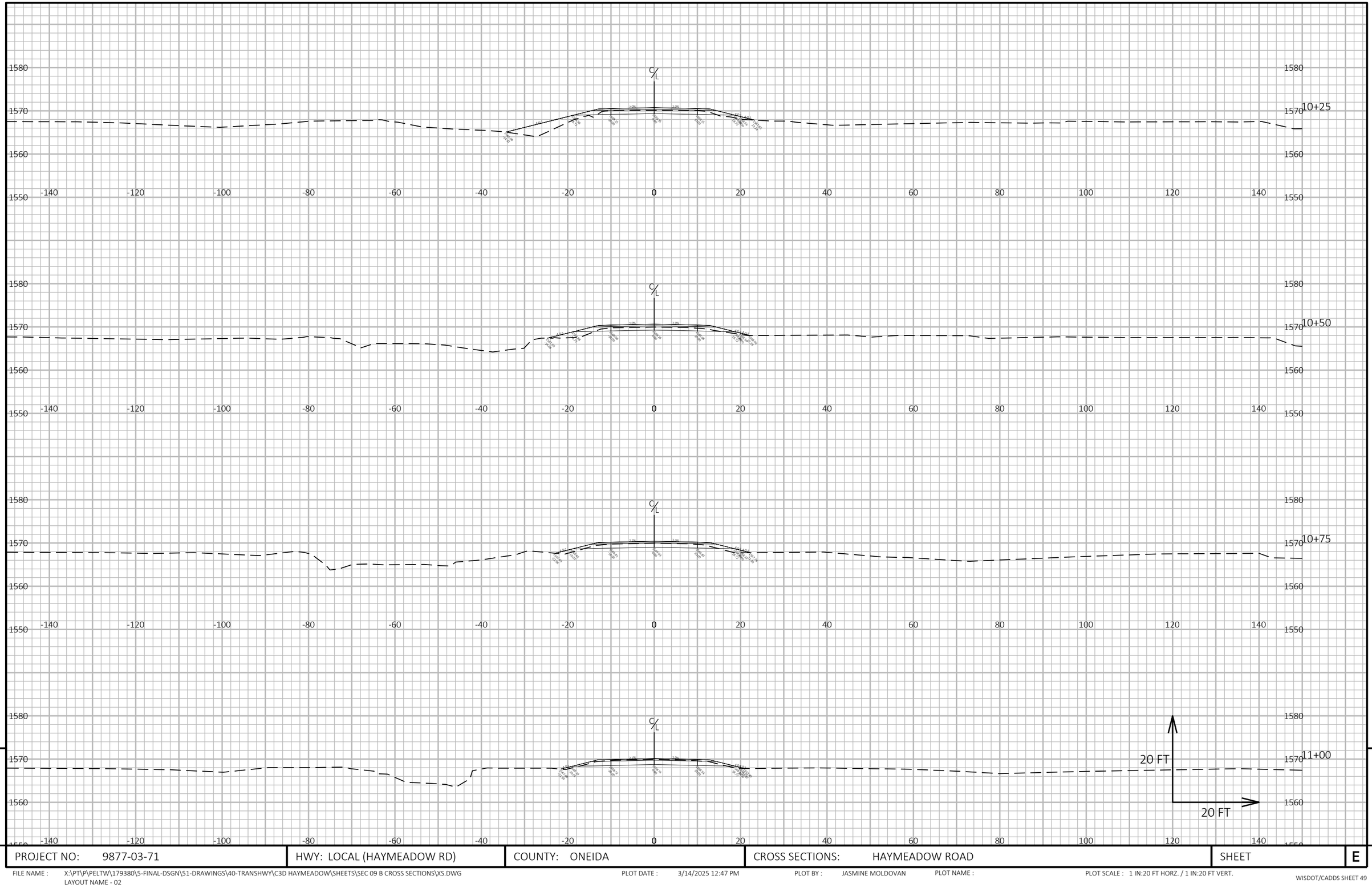
9

PROJECT NO: 9877-03-71	HWY: LOCAL (HAYMEADOW RD)	COUNTY: ONEIDA	CROSS SECTIONS: HAYMEADOW ROAD	SHEET	E

FILE NAME : X:\PT\P\PELTW\179380\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D HAYMEADOW\SHEETS\SEC 09 B CROSS SECTIONS\XS.DWG
LAYOUT NAME - 01

PLOT DATE : 3/14/2025 12:47 PM PLOT BY : JASMINE MOLDOVAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.



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PROJECT NO: 9877-03-71	HWY: LOCAL (HAYMEADOW RD)	COUNTY: ONEIDA	CROSS SECTIONS: HAYMEADOW ROAD	SHEET	E

FILE NAME : X:\PT\P\PELTW\179380\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D HAYMEADOW\SHEETS\SEC 09 B CROSS SECTIONS\XS.DWG
LAYOUT NAME - 02

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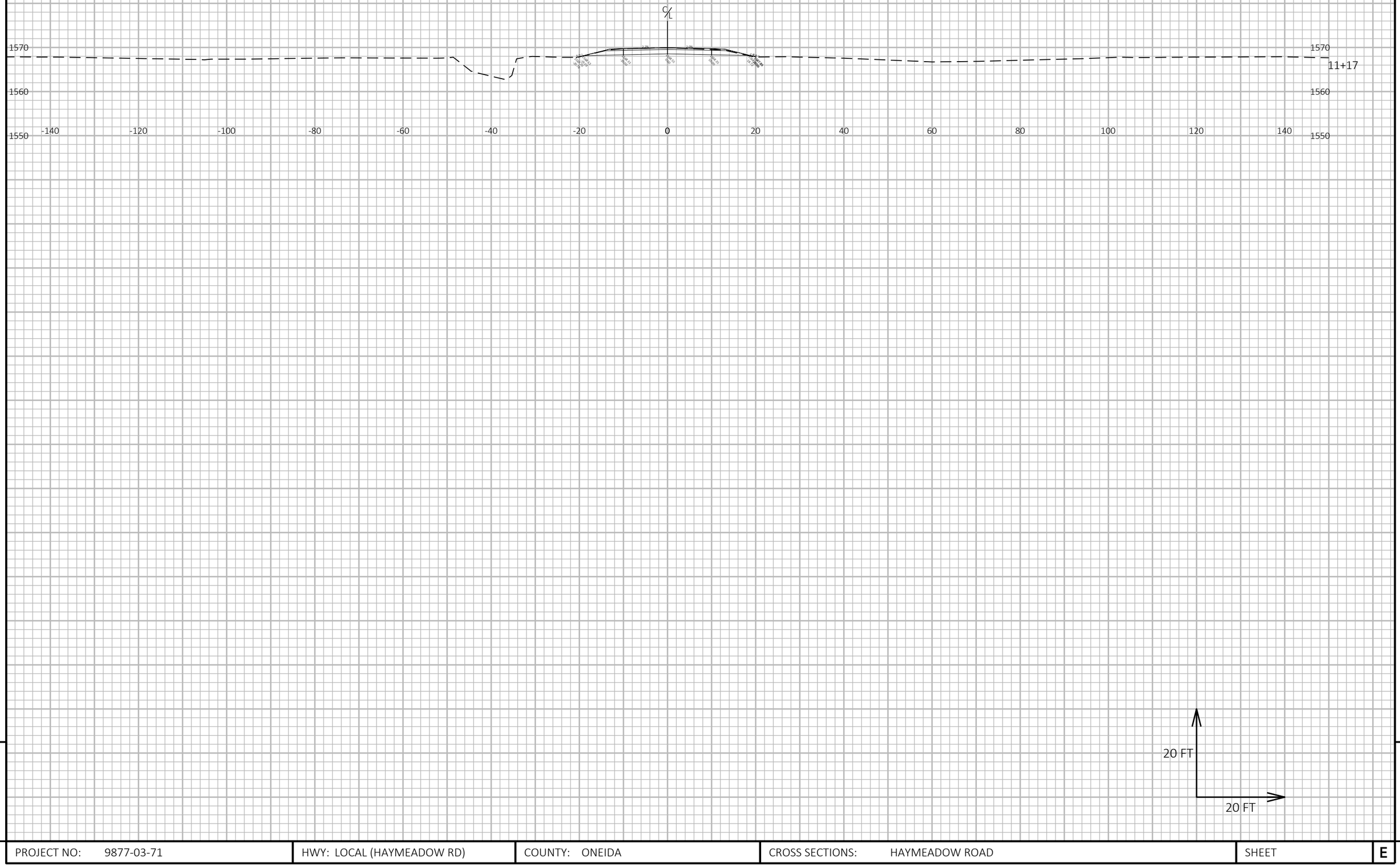

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PROJECT NO: 9877-03-71	HWY: LOCAL (HAYMEADOW RD)	COUNTY: ONEIDA	CROSS SECTIONS: HAYMEADOW ROAD	SHEET	E

FILE NAME : X:\PT\P\PELTW\179380\5-FINAL-DSGN\51-DRAWINGS\40-TRANSHWY\C3D HAYMEADOW\SHEETS\SEC 09 B CROSS SECTIONS\XS.DWG
LAYOUT NAME - 03

PLOT DATE : 3/14/2025 12:47 PM PLOT BY : JASMINE MOLDOVAN PLOT NAME : PLOT SCALE : 1 IN:20 FT HORZ. / 1 IN:20 FT VERT.