MAD JULY 2016

PROJECT ID: 6707-02-81

WITH: N/A

COUNTY: COLUMBIA

ORDER OF SHEETS

Section No. 1 Title
Section No. 2 Typical Sections and Details (Includes Erosion Control)
Section No. 3 Estimate of Quantities
Section No. 3 Miscellaneous Quantities
~~Section No. 4 Right of Way Plat~~
~~Section No. 5 Plan and Profile~~
Section No. 6 Standard Detail Drawings
~~Section No. 7 Sign Plates~~
~~Section No. 8 Structure Plans~~
Section No. 9 Computer Earthwork Data
Section No. 9 Cross Sections

TOTAL SHEETS = 30

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6707-02-81	———	—

FALL RIVER - CAMBRIA

V CAMBRIA, COLUMBIA COUNTY SITE

SALT STORAGE FACILITY

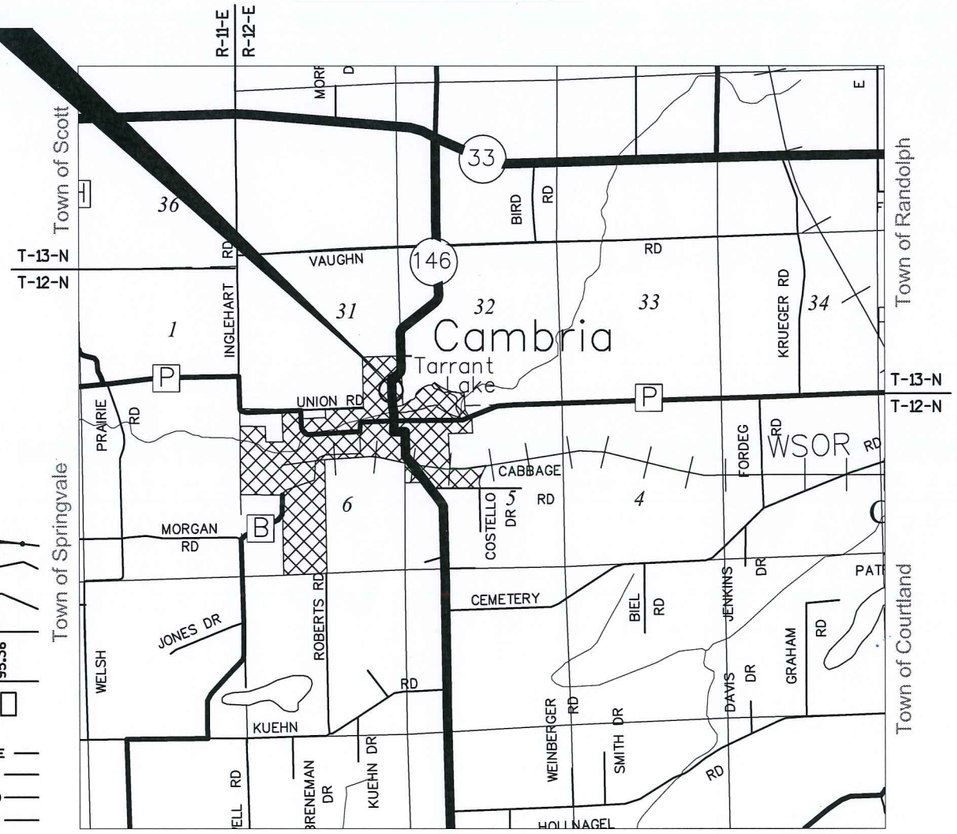
NON HIGHWAY

COLUMBIA COUNTY

DSPS CONDITIONAL APPROVAL_____
TRANSACTION ID NO. 2658630 .
SITE ID NO. 817063 ____

STATE PROJECT NUMBER
6707-02-81

PROJECT LOCATION



N

LAYOUT

SCALE 0 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 0.000 MI.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATES, COLUMBIA COUNTY, NAD83 (1999), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

DESIGN DESIGNATION

A.A.D.T.	=	N/A
A.A.D.T.	=	N/A
D.H.V.	=	N/A
D.D.	=	N/A
T.	=	N/A
DESIGN SPEED	=	N/A
ESALS	=	N/A

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
- 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
- OVERHEAD ELECTRIC — OHE —
- ELECTRIC — E —
- FIBER OPTIC — FO —
- GAS — G —
- SANITARY SEWER — SAN —
- STORM SEWER — SS —
- TELEPHONE — T —
- WATER — W —
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

PAUL JAMES KARDATZKE A-8815-005 SPRING GREEN WIS. ARCHITECT 1-21-16

WISCONSIN ELLERY A. SCHAFFER E-41742-6 SPRING GREEN, WI PROFESSIONAL ENGINEER

ACCEPTED FOR
COUNTY of COLUMBIA
1/21/2016 (Date) (Highway Commissioner)

ORIGINAL PLANS PREPARED BY

JEWELL associates engineers, inc.
Engineers - Surveyors - Architects

1/21/2016 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY
Surveyor GROTHMAN & ASSOCIATES, SC
Designer JEWELL ASSOCIATES ENGINEERS, INC.
Project Manager JEREMY M. HALL
Regional Examiner
Regional Supervisor JIM OETTINGER

APPROVED FOR THE DEPARTMENT
DATE: 1/21/2016 (Signature)

E

FILE NAME : S:\PROJECTS\C22010 - COLUMBIA COUNTY CAMBRIA HIGHWAY SHOP\DESIGN\TITLE SHEET.DWG
LAYOUT NAME - ****

PLOT DATE : 1/20/2016 3:11 PM PLOT BY : BALLWEG,THOMAS PLOT NAME :

WISDOT/CADDS SHEET 10

2

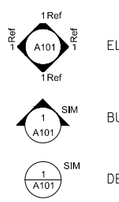
LIST OF STANDARD ENGINEER ABBREVIATIONS

BM	BENCH MARK
CP	CONROL POINT
P.L.	PROPERTY LINE
R/W	RIGHT OF WAY

LIST OF STANDARD ARCHITECTURAL ABBREVIATIONS

AB	ANCHOR BOLT	MET	METAL
AFF	ABOVE FINISHED FLOOR	NTS	NOT TO SCALE
CJ	CONTROL JOINT	OD	OUTSIDE DIMENSION
CLG	CEILING	PL	PLATE
CL	CENTER LINE	QTY	QUANTITY
COL	COLUMN	R	RADIUS
CONC	CONCRETE	RM	ROOM
DIM	DIMENSION	RO	ROUGH OPENING
DS	DOWNSPOUT	SIM	SIMILAR
EJ	EXPANSION JOINT	SS	STAINLESS STEEL
EQ	EQUAL	STL	STEEL
EXT	EXTERIOR	TEMP	TEMPERED
FD	FLOOR DRAIN	T&B	TOP AND BOTTOM
FE	FIRE EXTINGUISHER	TOC	TOP OF CONCRETE
FINFLR	FINISHED FLOOR	TOF	TOP OF FOOTING
FLR	FLOOR	TOS	TOP OF SLAB
REINF	REINFORCE (ED) (ING)	TOW	TOP OF WALL
GC	GENERAL CONTRACTOR	TYP	TYPICAL
INSUL	INSULATION	UON	UNLESS OTHERWISE NOTED
INT	INTERIOR	VB	VAPOR BARRIER
JT	JOINT	W/	WITH
		WD	WOOD

ARCHITECTURAL SYMBOLS



ELEVATION

BUILDING SECTION

DETAIL

WALL TYPE

DOOR

CODE SUMMARY

OCCUPANCY
S2 - STORAGE

CONSTRUCTION TYPE
VB - COMBUSTIBLE UNPROTECTED

FIRE PROTECTION
FIRE EXTINGUISHERS

AREA
5,760 SQ. FT.

SUMMARY BUILDING CODE REQUIREMENTS

APPLICABLE CODE PROVISIONS INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING:

62.1011 - EXIT SIGNS
INTERNALLY LIT EXIT SIGNS WITH BATTERY BACKUP SHALL BE PROVIDED TO MARK APPROVED EXITS FROM ANY DIRECTION OF EGRESS TRAVEL.
62.1006 - MEANS OF EGRESS ILLUMINATION
THE MEANS OF EGRESS, INCLUDING THE EXIT DISCHARGE, SHALL BE ILLUMINATED TO A MINIMUM OF 1 FOOT-CANDLE AT THE FLOOR LEVEL AT ALL TIMES THE BUILDING SPACE IS OCCUPIED.
62.1006 - ILLUMINATION EMERGENCY POWER
IN THE EVENT OF POWER SUPPLY FAILURE, AN EMERGENCY SYSTEM SHALL AUTOMATICALLY ILLUMINATE TO AN AVERAGE OF 1 FOOT-CANDLE AND MINIMUM OF 0.1 FOOT-CANDLE AT THE FLOOR LEVEL AT ALL CORRIDORS, STAIRWAYS, AND THE PORTION OF THE EXTERIOR EXIT DISCHARGE IMMEDIATELY ADJACENT TO EXIT DISCHARGE DOORWAYS, EXTERIOR WALK OR STOOPS ADJACENT TO THE EXIT DOORS TO COMPLY.
62.2304.9.5 - FASTENERS IN PRESERVATIVE TREATED WOOD
FASTENERS FOR PRESERVATIVE TREATED WOOD SHALL BE HOT-DIPPED, ZINC COATED, GALVANIZED OR STAINLESS STEEL. PAINTED WITH BITUMINOUS COATING.

THE GENERAL CONTRACTOR AND SUB CONTRACTORS ARE RESPONSIBLE FOR COORDINATING WITH PRODUCT MANUFACTURERS, SUPPLIERS, AND INSTALLERS TO ENSURE THAT ALL APPLICABLE CODE PROVISIONS ARE COMPLIED WITH. REVIEW THE FULL WISCONSIN BUILDING CODE FOR COMPLETE REQUIREMENTS.

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

REMOVAL OF ASPHALTIC SURFACE WHERE AN ABUTTING ASPHALTIC SURFACE IS TO REMAIN IN PLACE SHALL REQUIRE A SAWCUT MEETING THE APPROVAL OF THE ENGINEER IN THE FIELD.

THE SOILS REPORT MAY BE OBTAINED FROM JEWELL ASSOCIATES ENGINEERS, INC.

NO TREES OR SHRUBS ARE TO BE REMOVED UNLESS SUCH TREES OR SHRUBS HAVE FIRST BEEN INDICATED FOR REMOVAL BY THE ENGINEER IN THE FIELD.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE, AND IS NOT SHOWN ON THE CROSS SECTIONS BUT IS MEASURED AND PAID FOR AS COMMON EXCAVATION. EXACT LOCATIONS OF EBS WILL BE DETERMINED BY THE ENGINEER.

SILT FENCE SHALL BE PLACED AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER IN THE FIELD. SILT FENCE SHALL BE PLACED PRIOR TO CONSTRUCTION.

THE EXACT LOCATION OF COMMERCIAL ENTRANCES TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

ALL WORK TO BE CONSTRUCTED PER GOVERNING CODES/ORDINANCES, AS AMENDED BY LOCAL AUTHORITIES. SAID CODES/ORDINANCES ARE HEREIN INCORPORATED INTO THESE DOCUMENTS. ALL CODE REQUIRED WORK TO BE INCLUDED IN CONTRACT SUM.

ADHERENCE TO CODE REQUIREMENTS OF THE NEW CONSTRUCTION SHALL BE THE STRICT RESPONSIBILITY OF THE BUILDER.

THE ARCHITECT SHALL NOT BE HELD LIABLE FOR ANY SUCH UNAUTHORIZED FIELD DEVIATIONS OR VIOLATIONS OF ANY APPLICABLE BUILDING, PLUMBING, HVAC, OR ELECTRICAL CODES OR THE ADA (AMERICANS WITH DISABILITY ACT.)

GENERAL NOTES ARE INTENDED TO CLARIFY OR EMPHASIZE THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. IN THE EVENT OF A CONFLICT BETWEEN THE DRAWINGS OR SPECIFICATIONS AND THESE NOTES, THE CONTRACTOR SHALL COMPLY WITH THE MORE STRINGENT REQUIREMENT.

ALL WORK TO BE PERFORMED IN A MANNER SO AS TO HAVE A MINIMUM OF DISRUPTION AND DISTURBANCE WITH EXISTING OPERATIONS AND LOCAL ENVIRONMENT. NOISE AND DUST SHALL BE KEPT TO A MINIMUM.

DO NOT SCALE DRAWINGS.

PERMIT AND APPROVALS ARE TO BE KEPT ON-SITE AT ALL TIMES (BY OTHERS).

DETAILS AND NOTES OF SIMILAR CONDITIONS ARE TYPICAL WHETHER OR NOT CALLED OUT AT ALL PLACES. REFERENCES TO ANY DETAIL IS FOR CONVENIENCE ONLY AND DOES NOT LIMIT THE APPLICATION OF SUCH DETAIL OR DRAWING.

SYSTEMS SHOWN ON DRAWINGS ARE INTENDED TO BE FURNISHED, INSTALLED, AND TURNED OVER TO THE OWNER IN PROPER FUNCTIONING CONDITION. ALL WORK TO BE CONSIDERED IN CONTRACT SUM.

CONTRACTOR SHALL CHECK AND VERIFY ALL FIELD CONDITIONS AND DIMENSIONS WITH THE CONSTRUCTION DRAWINGS AT THE PROJECT SITE PRIOR TO CONSTRUCTION, ERECTION, AND/OR FABRICATION.

CONTRACTOR SHALL INSPECT RELATED WORK AND ADJACENT SURFACES. CONTRACTOR SHALL REPORT ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND THE EXISTING CONDITIONS WHICH SHALL PREVENT PROPER EXECUTION OF THIS WORK TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. CONTRACTOR IS RESPONSIBLE FOR DIMENSIONS, QUANTITIES, AND COORDINATION OF OTHER TRADES.

SWEEP ADJACENT SIDE STREETS AT THE END OF EACH DAY.

CONTACTS

DESIGN CONSULTANT:
JEWELL ASSOCIATES ENGINEERS, INC.
560 SUNRISE DR.
SPRING GREEN, WI 53588
ATTN: GREG JEWELL, P.E., P.L.S.
PH: (608) 588-7484
FAX: (608) 588-9322
E-MAIL: greg.jewell@jewellassoc.com

DNR LIAISON:
DNR SOUTH CENTRAL REGION HQ
3911 FISH HATCHERY ROAD
FITCHBURG, WI 53711
ATTN: ERIC HEGGELUND
PH: (608) 275-3301
E-MAIL: eric.heggelund@wisconsin.gov

COLUMBIA COUNTY HIGHWAY DEPARTMENT
CHRIS HARDY, COMMISSIONER
COLUMBIA COUNTY HIGHWAY DEPARTMENT
338 OLD HIGHWAY 16 WEST
WYOCENA, WI 53969
PH: (608) 429-2136
EMAIL: chris.hardy@co.columbia.wi.us

WISDOT:
DIVISION OF TRANSPORTATION SYSTEMS DEVELOPMENT
2101 WRIGHT STREET
MADISON, WI 53704
ATTN: JEREMY HALL, P.E.
PH: (608) 245-2655
CELL: (608) 516-0713
E-MAIL: jeremy.hall@dot.wi.gov

ARCHITECT:
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560 SUNRISE DR.
SPRING GREEN, WI 53588
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FAX: (608) 588-9322
E-MAIL: paul.kardatzke@jewellassoc.com

UTILITIES

ELECTRIC:
ALLIANT ENERGY
ATTN: PERRY BOECK
120 EAST MAPLE AVENUE
BEAVER DAM, WI 53916-2131
PH: (920) 887-6061
CELL: (920) 960-5219
E-MAIL: perryboeck@alliantenergy.com

TELEPHONE:
CENTURYLINK
ATTN: TIM KROEZE
201 STARK STREET
RANDOLPH, WI 53956
PH: (920) 326-2224
FAX: (920) 219-0112
E-MAIL:tim.kroeze@centurylink.com

WATER:
VILLAGE OF CAMBRIA
ATTN: TOM TIETZ
111 WEST EDGEWATER STREET
CAMBRIA, WI 53923
PH: (920) 348-5415
CELL: (920) 296-2694
E-MAIL: cambriadpw@centurytel.net

SEWER:
VILLAGE OF CAMBRIA
ATTN: TOM TIETZ
111 WEST EDGEWATER STREET
CAMBRIA, WI 53923
PH: (920) 348-5415
CELL: (920) 296-2694
E-MAIL: cambriadpw@centurytel.net

GAS:
ALLIANT ENERGY
ATTN: PERRY BOECK
120 EAST MAPLE AVENUE
BEAVER DAM, WI 53916-2131
PH: (920) 887-6061
CELL: (920) 960-5219
E-MAIL: perryboeck@alliantenergy.com

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

X DENOTES UTILITY IS NOT A MEMBER OF DIGGERS HOTLINE

ORDER OF SECTION 2 SHEETS

CONSTRUCTION DETAILS - DEMOLITION
CONSTRUCTION DETAILS - SITE PLAN
CONSTRUCTION DETAILS - GRADING PLAN
CONSTRUCTION DETAILS
CONSTRUCTION DETAILS - CONSTRUCTION STAKING LAYOUT
CONTROL POINT TIES
BUILDING DETAILS: FLOOR PLAN
BUILDING DETAILS: ROOF PLAN
BUILDING DETAILS: ELEVATIONS
BUILDING DETAILS: SECTIONS
BUILDING DETAILS: SECTIONS
BUILDING DETAILS: STRUCTURAL NOTES
BUILDING DETAILS: FOUNDATION PLAN
BUILDING DETAILS: STRUCTURAL DETAILS
BUILDING DETAILS: ROOF FRAMING PLAN
BUILDING DETAILS: ELECTRICAL PLAN

	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–			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT												
ASPHALT	.70 – .95											
CONCRETE	.80 – .95											
	.70 – .80											
DRIVES, WALKS	.75 – .85											
ROOFS	.75 – .95											
GRAVEL ROADS, SHOULDERS	.40 – .60											

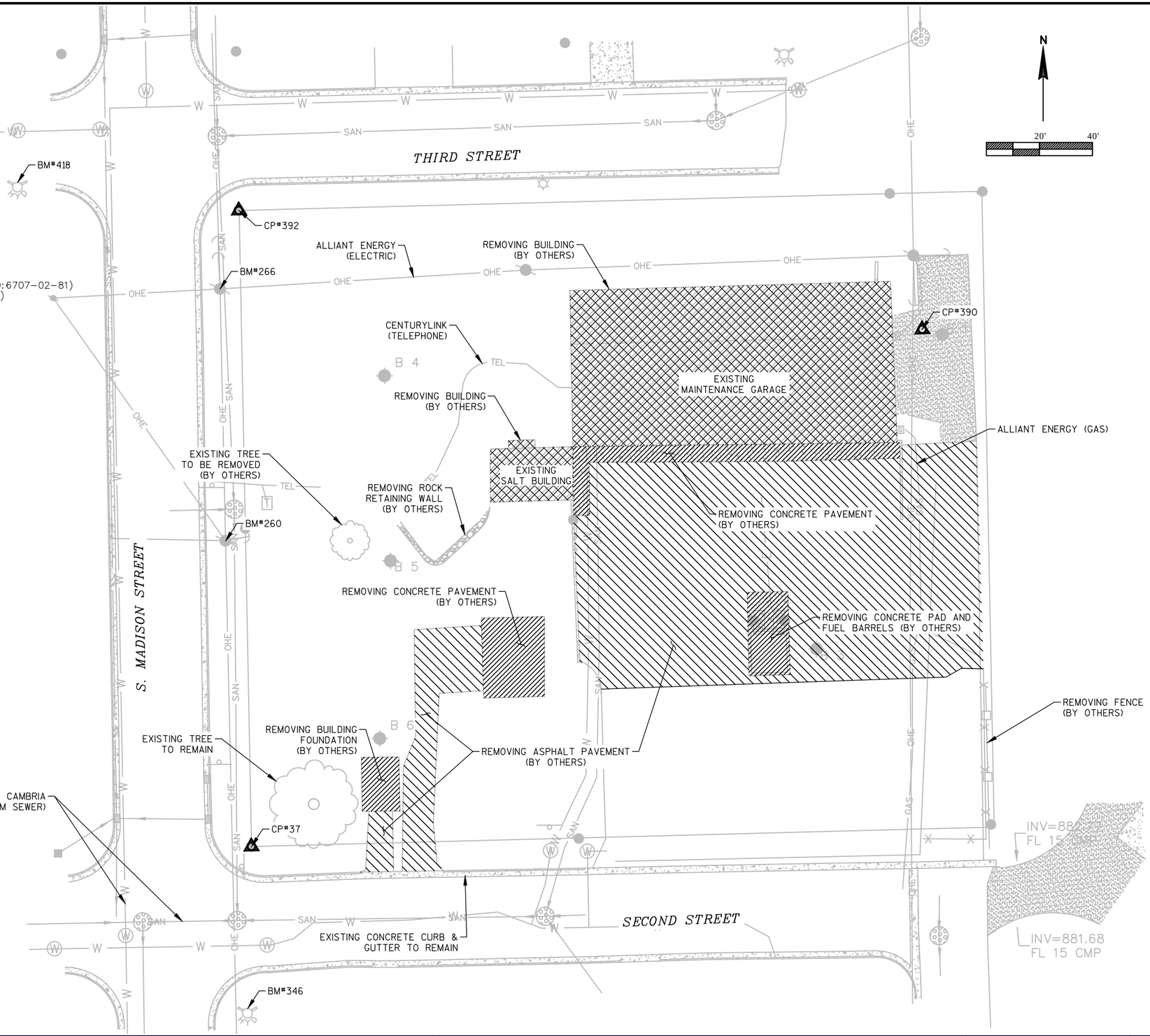
TOTAL PROJECT AREA= 1.54 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.32 ACRES (PROJECT ID: 6707–02–81)
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 0.67 ACRES (BY OTHERS)

BENCH MARKS

NO.	DESCRIPTION	ELEV.	Y	X
260	SPIKE IN POWER POLE	900.87	396,700.82	630,906.25
266	SPIKE IN POWER POLE	912.01	396,795.90	630,904.15
346	HYDRANT TAG BOLT	886.56	396,522.53	630,914.49
418	HYDRANT TAG BOLT	920.89	396,834.25	630,827.70

CONTROL POINTS

No.	DESCRIPTION	Y	X
37	3/4" ROD SET 11'± NORTH OF B.O.C. AND 15' EAST OF B.O.C.	396,585.51	630,916.02
390	NAIL SET 11' EAST OF BUILDING AND 18' SOUTH OF	396,780.59	631,169.11
392	3/4" REBAR SET 33'± WEST OF THE EDGE OF PAVEMENT, 41.9' LT.	396,825.49	630,911.27



PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - DEMOLITION BY OTHERS	SHEET 3	E

FILE NAME : PLOT DATE : 1/22/2016 2:05 PM PLOT BY : BALLWEG,THOMAS PLOT SCALE : 1" = 1'

LEGEND

XXXXXXXXX	SAWING ASPHALT
FF=	FINISH FLOOR
	COUNTY HIGHWAY GARAGE PROJECT (BY OTHERS)

N

20' 40'

THIRD STREET

S. MADISON STREET

SECOND STREET

BM#418

CP#392

ALLIANT ENERGY (ELECTRIC)

BM#266

SALVAGED TOPSOIL, TEMPORARY SEEDING, SEEDING MIX NO. 40, FERTILIZER TYPE B, & MULCHING (BY OTHERS)

SALVAGED TOPSOIL, TEMPORARY SEEDING, SEEDING MIX NO. 40, FERTILIZER TYPE B, & MULCHING INCLUDED IN PROJECT

CENTURYLINK (TELEPHONE)

HMA PAVEMENT AND CONCRETE CURB & GUTTER PATCH REQ'D (BY OTHERS)

4" WATER VALVE MARK WITH BLUE POST AND SIGN THAT BEARS THE FOLLOWING LANGUAGE "COLUMBIA COUNTY HWY WATER SHUTOFF" (BY OTHERS)

PROPOSED 4" PVC AWWA C900 WATER SERVICE (BY OTHERS)

6"X4" TEE

RETAINING WALL (BY OTHERS)

RETAINING WALL INCLUDED IN PROJECT (PAID FOR COLUMBIA COUNTY SALT SHED)

CP#390

15.6'

31.2'

COUNTY HIGHWAY GARAGE (BY OTHERS)

FF=891.30

12'X12' REINFORCED CONCRETE PAD & RETAINING WALL (BY OTHERS)

SALT/SAND MIX STORAGE AREA

COLUMBIA COUNTY SALT SHED

FF=891.00

ALLIANT ENERGY (GAS)

BRINE STORAGE AND DISPENSING SYSTEM (INCLUDED IN PROJECT I.D. 6707-02-81)

BM#260

CONCRETE PAVEMENT (BY OTHERS)

12'

HMA PAVEMENT 4 MT 58-28 S (BY OTHERS)

HMA PAVEMENT 4 MT 58-28 S INCLUDED IN PROJECT (SEE CONSTRUCTION DETAILS)

55'

45'

90'

PROPOSED 4" PVC SANITARY SERVICE @ 1.04% (BY OTHERS)

INLET COVERS TYPE C OVER MANHOLES 4X4-FT (BY OTHERS)

TRENCH DRAIN (60 LF) (BY OTHERS)

(ASPHALT)

BY OTHERS

PROJECT I.D. 6707-02-81

EXISTING 6" C.I. WATER MAIN VILLAGE OF CAMBRIA (WATER MAIN)

CLEANOUT WITH FROST SLEEVE (BY OTHERS)

REINFORCED CONCRETE FUEL PAD (BY OTHERS)

EXISTING 8" CLAY SANITARY SEWER VILLAGE OF CAMBRIA (SANITARY SEWER)

68'

CP#37

CUT AND CAP EXISTING WATER SERVICE 1' NORTH OF EXISTING CURB STOP (BY OTHERS)

CUT AND PLUG EXISTING SEWER SERVICE AT ROW LINE (BY OTHERS)

INV=881.68 FL 15 CMP

BM#346

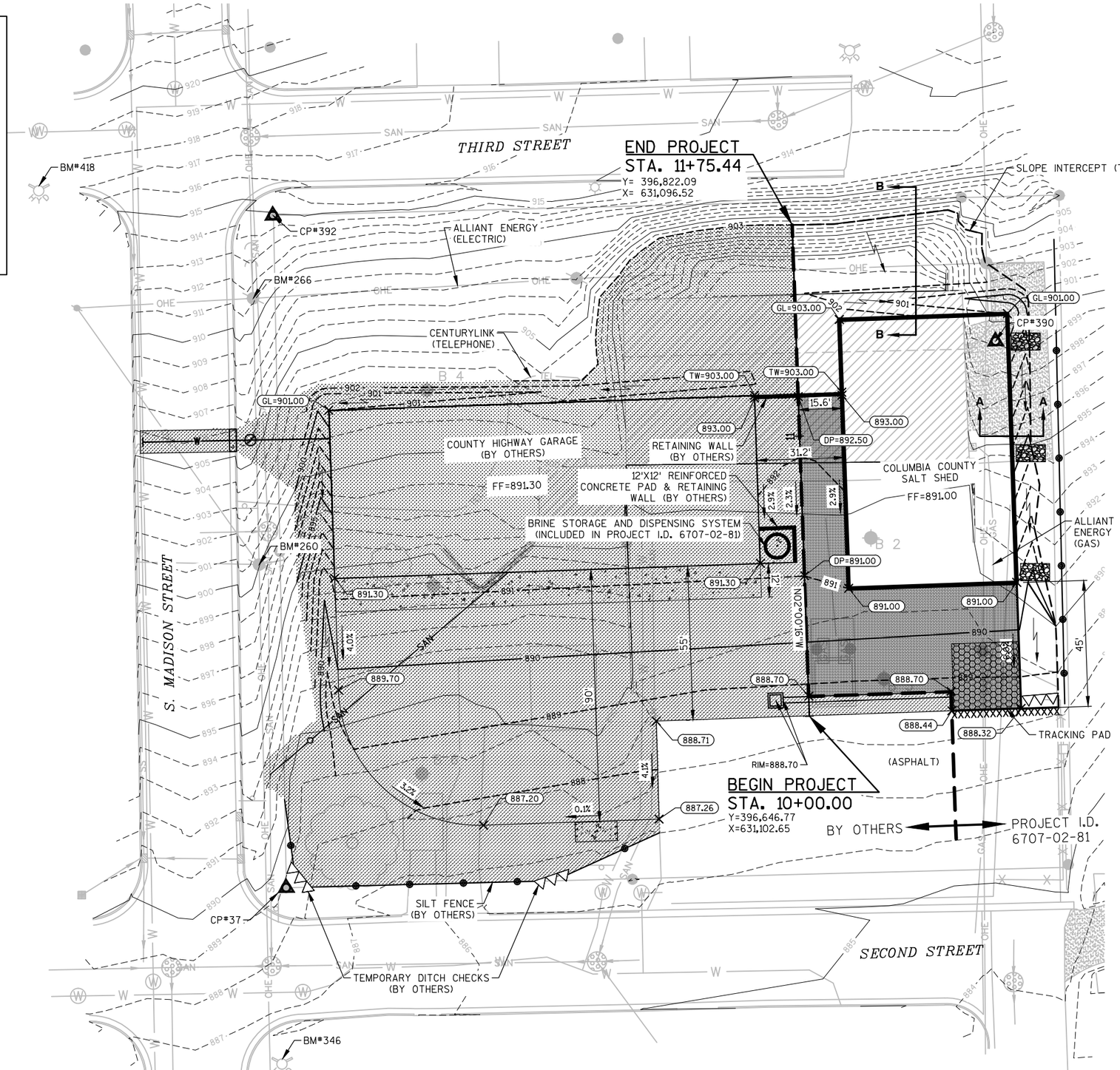
PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - SITE PLAN	SHEET 4	E

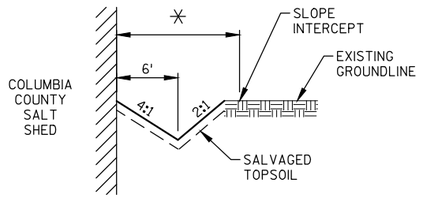
FILE NAME : PLOT DATE : 1/25/2016 2:00 PM PLOT BY : BALLWEG,THOMAS PLOT SCALE : 1" = 1'

2

LEGEND

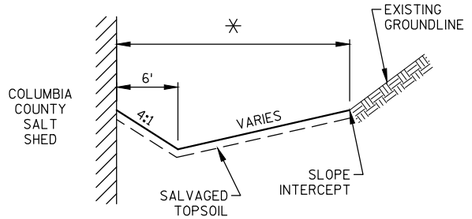
XXXXXXXXX	SAWING ASPHALT
	SILT FENCE
	STONE DITCH CHECKS
	TEMPORARY DITCH CHECKS
GL=	GROUNDLINE
TW=	TOP OF WALL
DP=	DITCH POINT
FF=	FINISH FLOOR
	COUNTY HIGHWAY GARAGE PROJECT (BY OTHERS)





✳ LIMITS OF SALVAGED TOPSOIL, TEMPORARY SEEDING, SEEDING MIX NO. 40, FERTILIZER TYPE B, & MULCHING (AS DIRECTED BY ENGINEER)

SECTION A-A

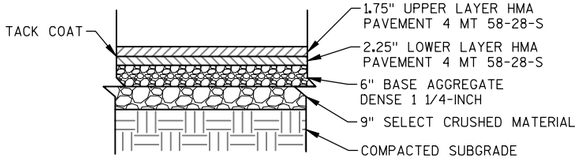


✳ LIMITS OF SALVAGED TOPSOIL, TEMPORARY SEEDING, SEEDING MIX NO. 40, FERTILIZER TYPE B, & MULCHING (AS DIRECTED BY ENGINEER)

SECTION B-B

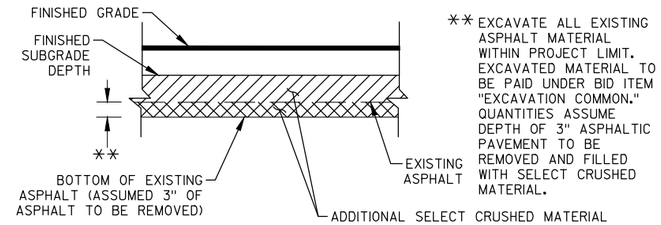
PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - GRADING PLAN	SHEET 5	E

FILE NAME : PLOT DATE : 1/25/2016 2:22 PM PLOT BY : BALLWEG,THOMAS PLOT SCALE : 1" = 1'



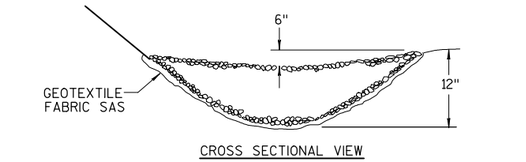
Pavement Structure

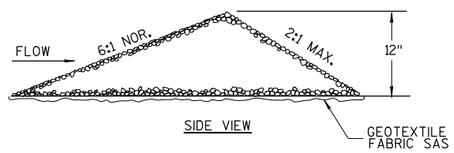
SCALE : NTS

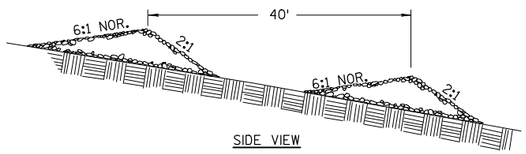


Typical HMA Pavement Removal In Fill Conditions

SCALE : NTS

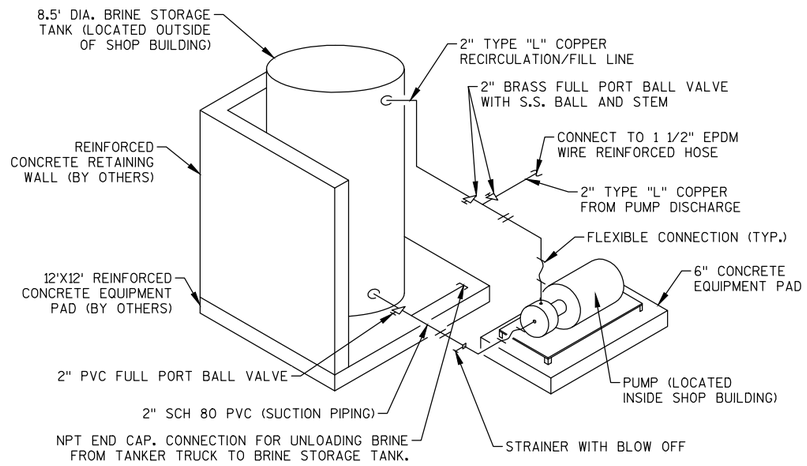






STONE DITCH CHECKS

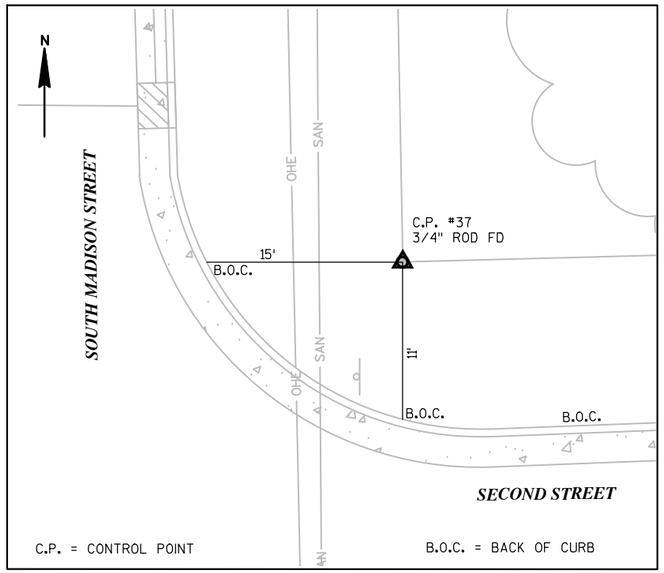
SCALE : NTS



Brine Storage and Dispensing System Detail

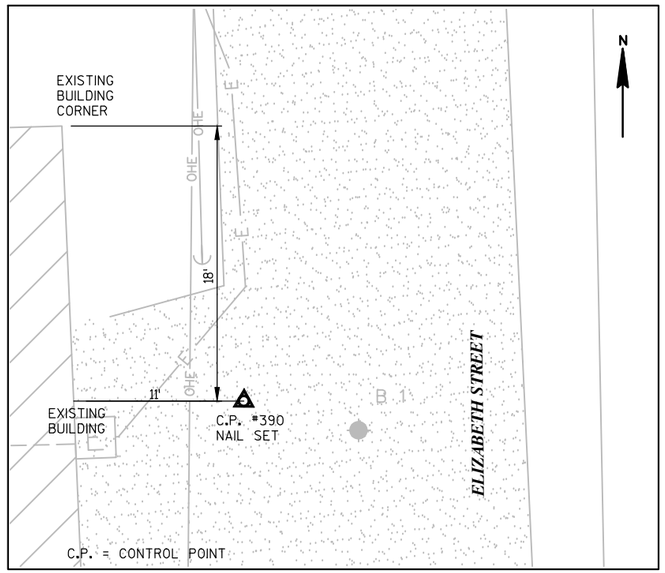
SCALE : NTS

2



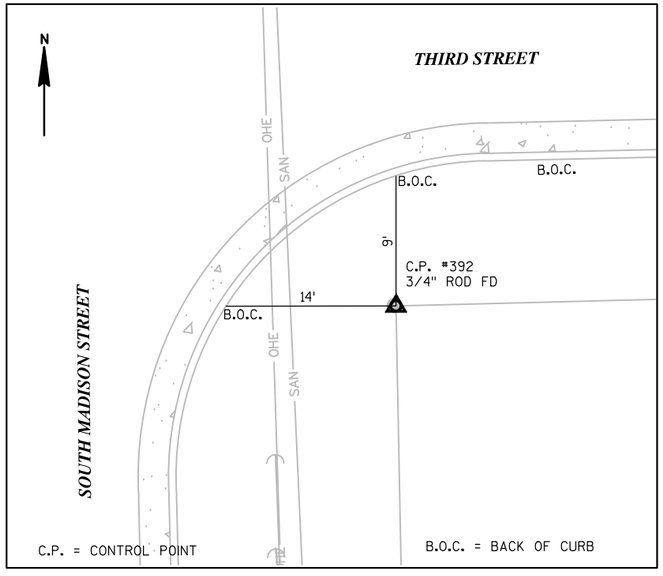
TIES TO C.P.#37

Y = 396,585.51
X = 630,916.02



TIES TO C.P.#390

Y = 396,780.59
X = 631,169.11



TIES TO C.P.#392

Y = 396,825.49
X = 630,911.27

▲ CONTROL POINTS

No.	DESCRIPTION	Y	X
37	3/4" ROD SET 11'± NORTH OF B.O.C. AND 15' EAST OF B.O.C.	396,585.51	630,916.02
390	NAIL SET 11' EAST OF BUILDING AND 18' SOUTH OF	396,780.59	631,169.11
392	3/4" REBAR SET 33'± WEST OF THE EDGE OF PAVEMENT, 41.9' LT.	396,825.49	630,911.27

LEGEND

XXXXXXXXX	SAWING ASPHALT
FF=	FINISH FLOOR
GL=	GROUND LINE
	COUNTY HIGHWAY GARAGE PROJECT (BY OTHERS)

N

20' 40'

THIRD STREET

END PROJECT
STA. 11+75.44
Y= 396,822.09
X= 631,096.52

BM#418

CP#392

BM#266

Y=396,788.22
X=631,113.30
Z=903.00 (GL)

Y=396,790.32
X=631,173.26
Z=901.00 (GL)

CP#390

Y=396,760.69
X=631,098.67
Z=892.50

COLUMBIA COUNTY
SALT SHED
FF=891.00

Y=396,761.23
X=631,114.24
Z=893.00

COUNTY HIGHWAY GARAGE
(BY OTHERS)

FF=891.30

Y=396,696.74
X=631,100.90
Z=891.00

Y=396,692.28
X=631,116.65
Z=891.00

Y=396,694.38
X=631,176.61
Z=891.00

BM#260

S. MADISON STREET

M.91.00=2CN

Y=396,653.76
X=631,102.41
Z=888.70

Y=396,655.49
X=631,153.20
Z=888.70

Y=396,649.40
X=631,178.18
Z=888.32

Y=396,648.54
X=631,153.45
Z=888.44

BEGIN PROJECT
STA. 10+00.00
Y=396,646.77
X=631,102.65

BY OTHERS

PROJECT I.D.
6707-02-81

CP#37

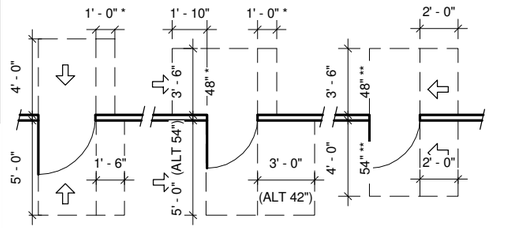
INV=881.68
FL 15 CMP

SECOND STREET

BM#346

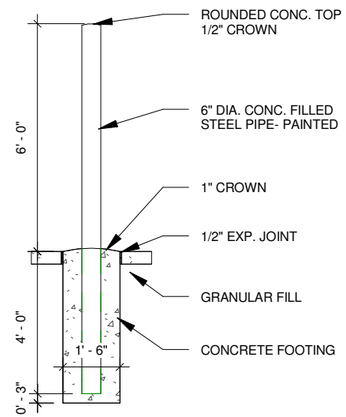
PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	CONSTRUCTION DETAILS - CONSTRUCTION STAKING LAYOUT	SHEET 8	E

FILE NAME : PLOT DATE : 1/25/2016 1:59 PM PLOT BY : BALLWEG,THOMAS PLOT SCALE : 1" = 1'



* If both closer and latch are provided
** If closer provided

2 / A1.0 DOOR CLEARANCES - ANSI A117.1 606
1/8" = 1'-0"



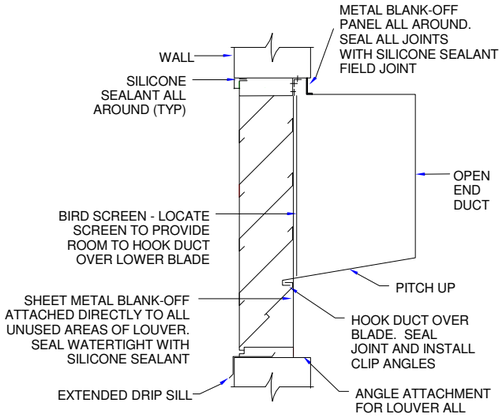
3 / A1.0 BOLLARD DETAIL
NOT TO SCALE

LOUVER SCHEDULE		
UNIT NO.	L-1	L-2
MANUFACTURER	GREENHECK OR APPROVED EQ. BY ENGINEER	GREENHECK OR APPROVED EQ. BY ENGINEER
MODEL NO.	ESD-635	ESD-635
SIZE WxH (IN)	66 x 44	66 x 44
FREE AREA (FT^2)	10.2	10.2
REMARKS	1 2	1 2

KEYED NOTES:

1. ALUMINUM LOUVER WITH CUSTOM KYNAR COATING. VERIFY COLOR WITH ARCHITECT. PROVIDE LOUVER WITH 1/2 " x 1/2" MESH ALUMINUM-BIRD SCREEN WITH 12 GAUGE ALUMINUM SILL. LOUVER TO BE MOUNTED IN WOOD WALL. VERIFY MOUNTING WITH GENERAL CONTRACTOR.
2. TOP OF LOUVER SHALL BE APPROXIMATELY 20' ABOVE FINISHED FLOOR.

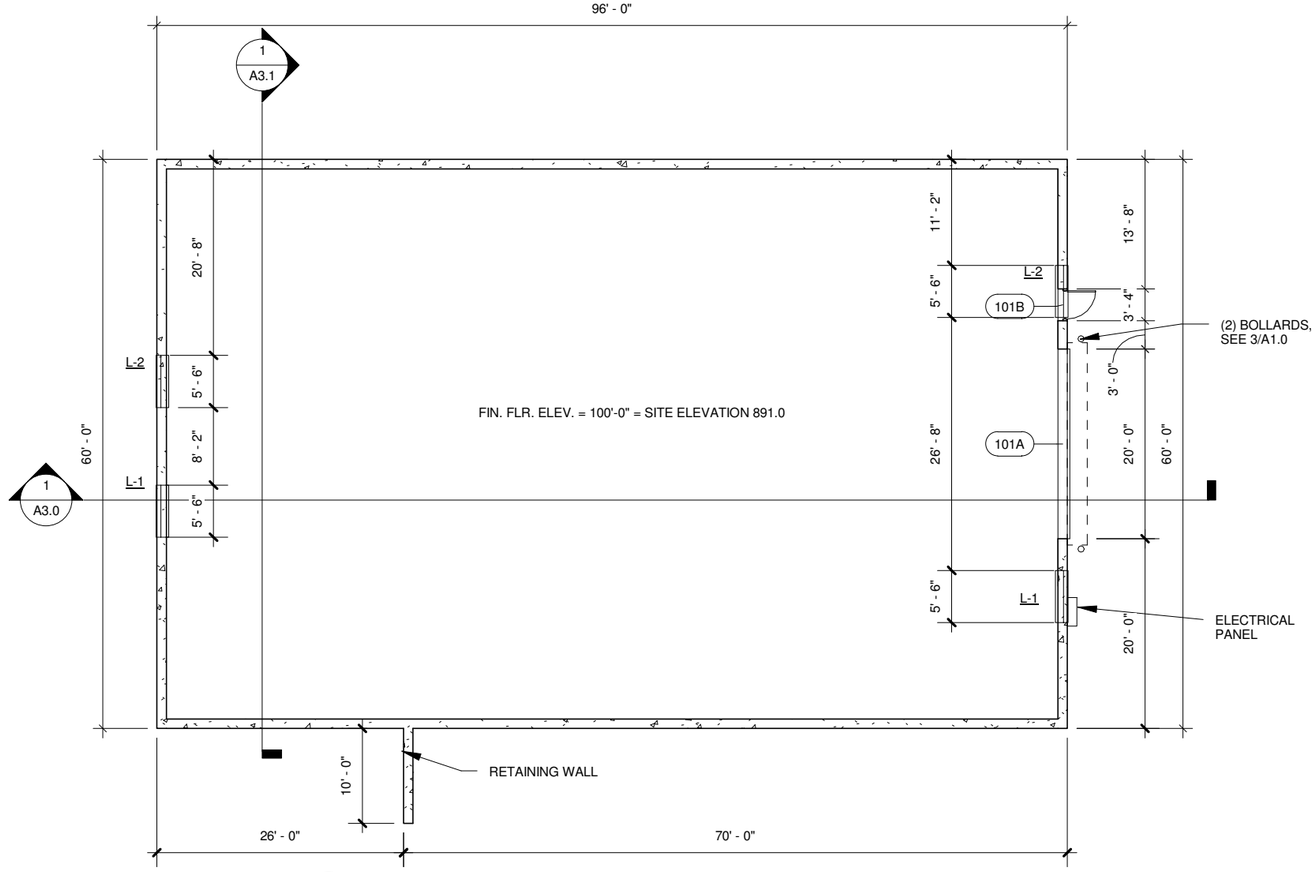
4 / A1.0 LOUVER SCHEDULE
N.T.S.



NOTE: ALL DUCT JOINTS, CORNERS AND SEAMS SHALL BE SEALED WITH SILICONE SEALANT OR SOLDERED LEAK TIGHT.

5 / A1.0 LOUVER INSTALLATION DETAIL
1/2" = 1'-0"

Door Schedule					
Mark	Description	Width	Height	Thickness	Comments
101A	Overhead Rolling Door - Exterior Mounted	20' - 0"	30' - 0"	0' - 0 5/8"	Galvanized Hardware; 3 HP Power Operator w/ interior push button control. backup manual control; Weather Stripping. Exterior face of wall mounted hood
101B	Fiberglass Door w/ Fiberglass Frame	3' - 0"	7' - 0"	0' - 1 3/4"	Stainless Steel Lockset; Weatherstrip; Sill Sweep.

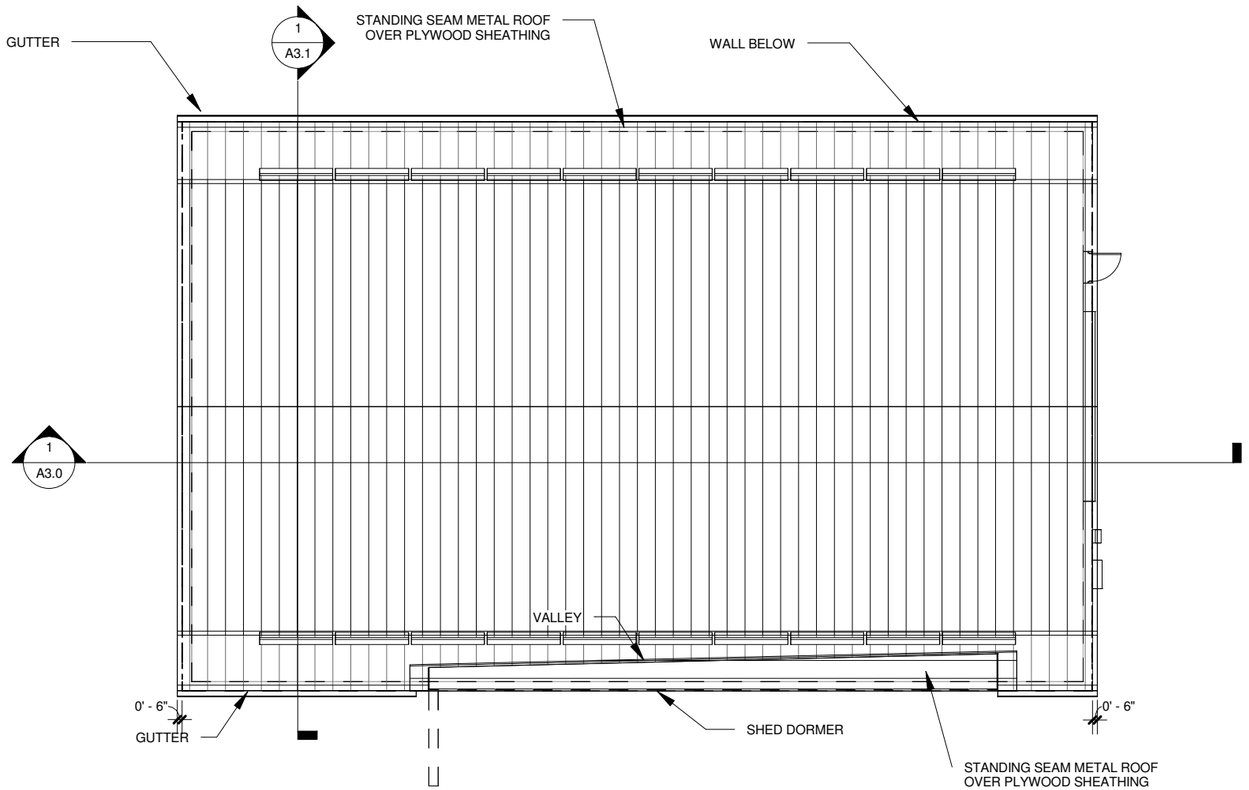


1 / A1.0 FIRST FLOOR
1/16" = 1'-0"

2

BALANCED ROOF SNOW LOAD = 20.2 PSF

SNOW DRIFT LOADS & SLIDING SNOW LOADS SHALL BE APPLIED IN ADDITION TO BALANCED SNOW LOADS.



1 / A1.1 ROOF PLAN
1/16" = 1'-0"

PROJECT NO: 6707-02-81	**NON HWY: SALT STORAGE FACILITY**	**COUNTY: COLUMBIA**	**BUILDING DETAILS:** ROOF PLAN	**SHEET** 10 E

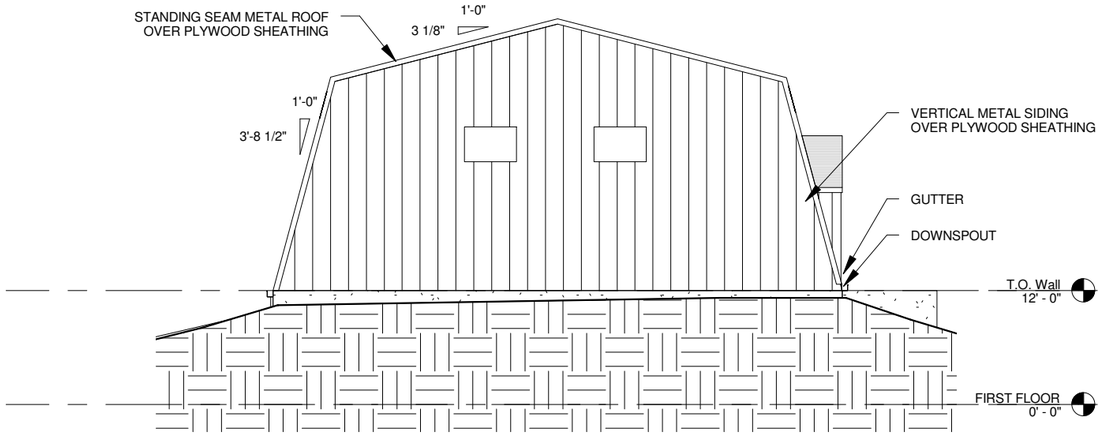
FILE NAME : S:\PROJECTS\C22010 COLUMBIA COUNTY CAMBRIA HIGHWAY SHOP\CADD FILES\REVIT FILES\DOT TITLEBLOCK\DOT DETAIL BORDER.DWG
LAYOUT

PLOT DATE : ----
PLOT TIME : ----

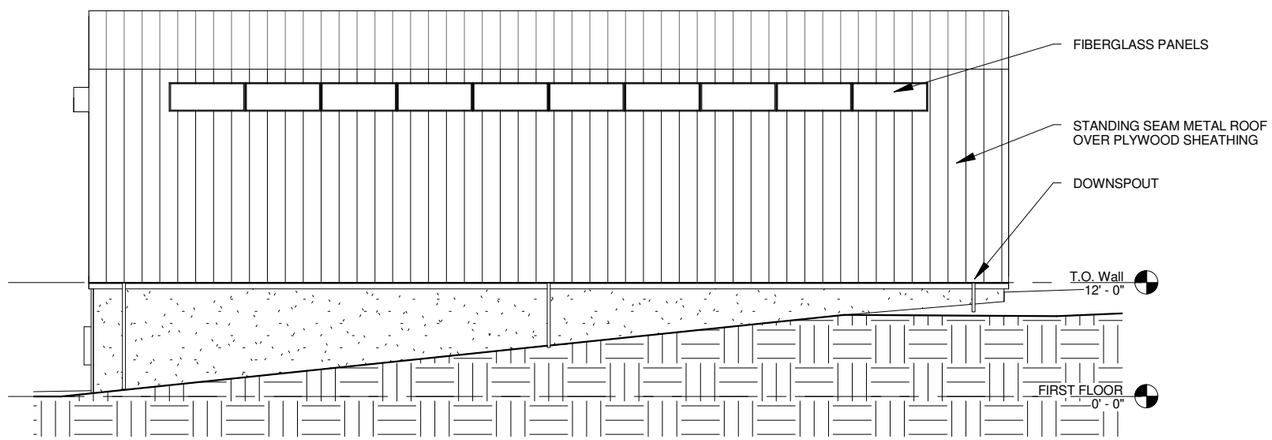
PLOT BY : RING, ANDREA

PLOT SCALE : 1" = 1'

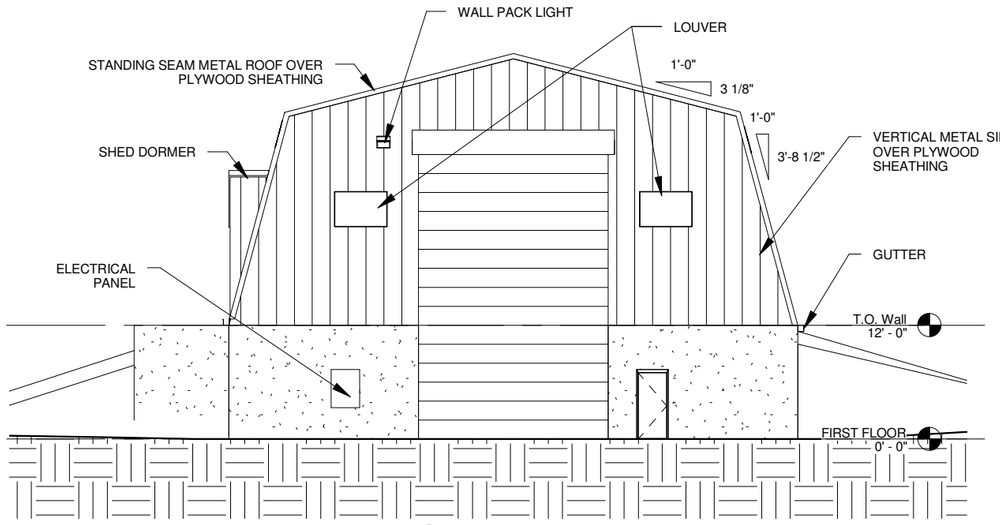
2



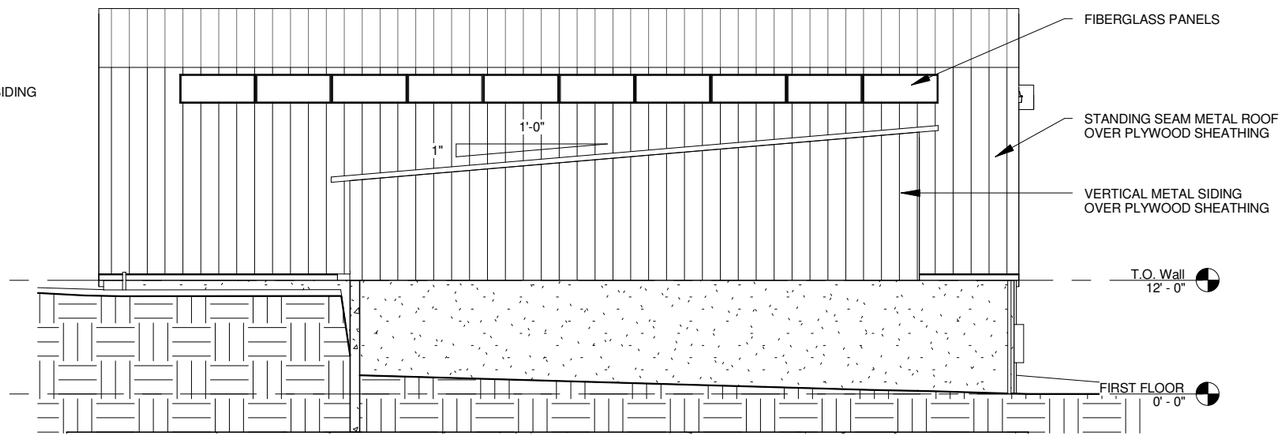
1 A2.0 NORTH ELEVATION
1/16" = 1'-0"



2 A2.0 EAST ELEVATION
1/16" = 1'-0"



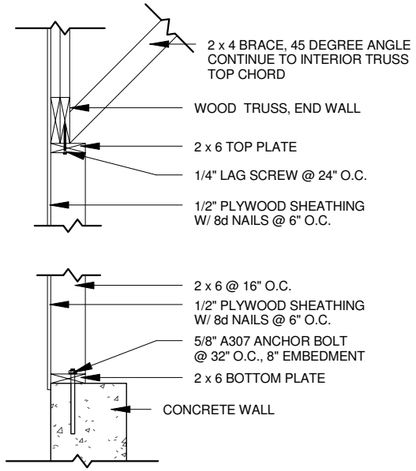
3 A2.0 SOUTH ELEVATION
1/16" = 1'-0"



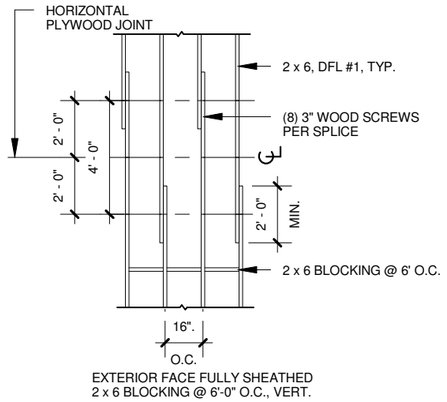
4 A2.0 WEST ELEVATION
1/16" = 1'-0"

PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	BUILDING DETAILS: ELEVATIONS	SHEET 11	E

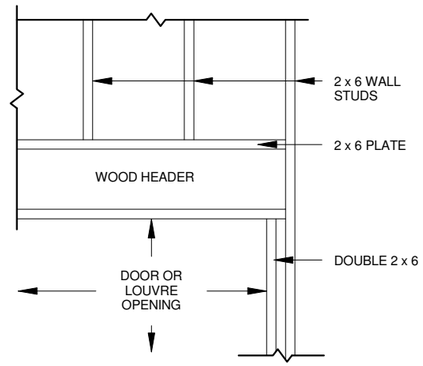
FILE NAME : S:\PROJECTS\C22010 COLUMBIA COUNTY CAMBRIA HIGHWAY SHOP\CADD FILES\REVIT FILES\DOT LAYOUT TITLEBLOCK\DOT DETAIL BORDER.DWG
PLOT DATE : ----
PLOT TIME : ----
PLOT BY : RING, ANDREA
PLOT SCALE : 1" = 1'



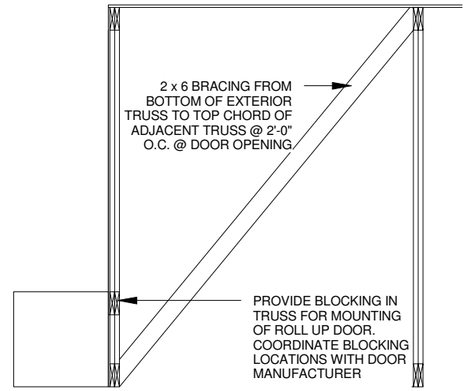
2 / A3.0 WALL DETAIL
NOT TO SCALE



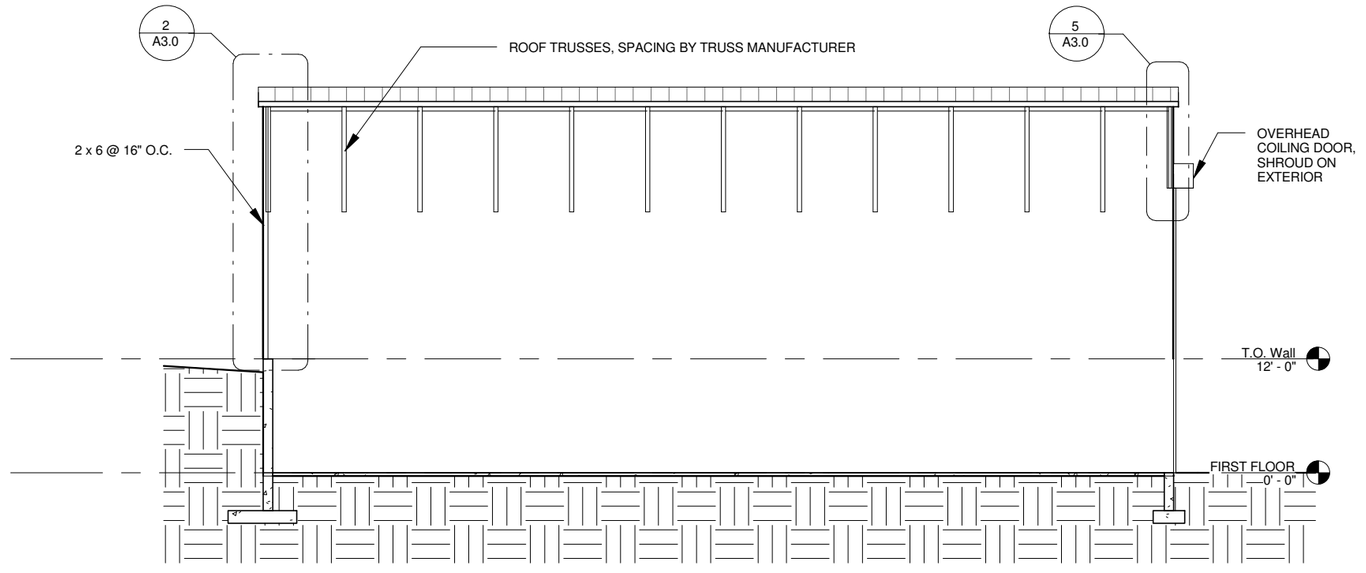
3 / A3.0 END WALL DETAIL
N.T.S.



4 / A3.0 WALL OPENING
NOT TO SCALE



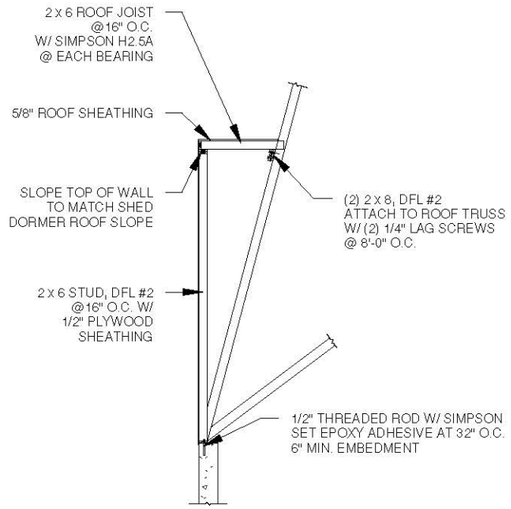
5 / A3.0 DOOR MOUNTING/ BRACING
NOT TO SCALE



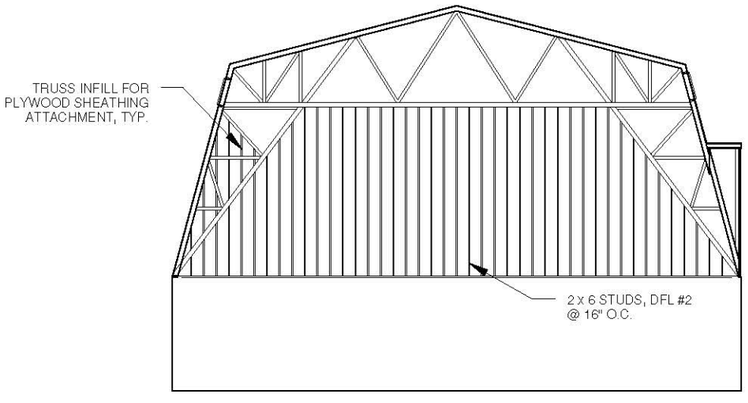
1 / A3.0 SECTION 2
1/16" = 1'-0"

PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	BUILDING DETAILS: SECTIONS	SHEET 12	E

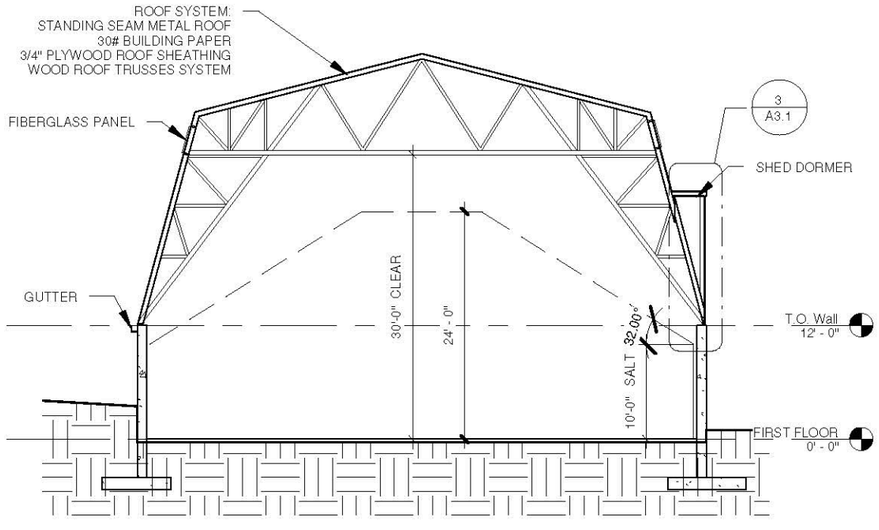
2



3 / A3.1 SHED DORMER SECTION
NOT TO SCALE



2 / A3.1 END WALL ELEVATION
1/16" = 1'-0"



1 / A3.1 SECTION 1
1/16" = 1'-0"

PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	BUILDING DETAILS: SECTIONS	SHEET 13	E

FILE NAME : S:\PROJECTS\C22010 COLUMBIA COUNTY CAMBRIA HIGHWAY SHOP\CADD FILES\REVIT FILES\DOT LAYOUT TITLEBLOCK\DOT DETAIL BORDER.DWG
PLOT DATE : ----- PLOT TIME : -----
PLOT BY : RING, ANDREA
PLOT SCALE : 1" = 1'

GENERAL STRUCTURAL NOTES

1. DESIGNED IN CONFORMANCE WITH THE 2009 INTERNATIONAL BUILDING CODE, INCLUDING THE WISCONSIN AMENDMENTS, 2011.
2. PERFORM WORK AND PROVIDE MATERIALS IN ACCORDANCE WITH STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION, 2016.4
3. DESIGN LOADS:
   - ROOF: 20.2 PSF BALANCED SNOW LOAD
   - PF = 0.7 X CE X CT X I X PG
   - PG = 30 PSF, CE = 1.0, CT = 1.2, I = IS = 0.8
4. DESIGN DEAD LOADS:
   - ROOF 10 PSF
5. WIND DESIGN CRITERIA:
   - PER ASCE 7-05 METHOD 1 SIMPLIFIED PROCEDURE
   - ENCLOSED BUILDING
   - V = 90 MPH, EXPOSURE C
6. KD=0.85, KZ=1.00, IW = 0.87
7. SEISMIC DESIGN CRITERIA:
   - SITE CLASS D, SDS = 0.096, S1 = 0.063
   - SEISMIC DESIGN CATEGORY A
8. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL, PLUMBING, HVAC AND ELECTRICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THE SHOP DRAWINGS AND WORK.
9. NO OPENING (OTHER THAN THOSE SHOWN ON THE DRAWINGS) SHALL BE MADE IN ANY BEAM, COLUMN, OR OTHER STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
10. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON NEW OR EXISTING STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.
11. SOIL BEARING CAPACITY = 5,000 PSF. PER GEOTECHNICAL EXPLORATION REPORT DATED NOV. 6TH, 2015.
12. THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING AND FURNISHING ALL TEMPORARY BRACING AND/ OR SUPPORT THAT MAY BE REQUIRED AS THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES. THE STRUCTURAL ENGINEER ASSUMES NO LIABILITY FOR THE STRUCTURE DURING CONSTRUCTION.
13. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCY IMMEDIATELY. INFORMATION PERTAINING TO EXISTING FIELD CONDITIONS GIVEN ON THESE STRUCTURAL DRAWINGS REPRESENTS TO THE BEST OF OUR KNOWLEDGE, THE ACTUAL EXISTING FIELD CONDITIONS. JEWELL ASSOCIATES MAKES NO WARRANTY AS TO THEIR ACCURACY. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS IMPERATIVE TO THE NEW CONSTRUCTION AND REPORT DISCREPANCIES BETWEEN THE DRAWINGS AND FIELD CONDITIONS TO THE A/E FOR REVIEW. ANY WORK PERFORMED PRIOR TO RESOLUTION OF DISCREPANCIES BY THE A/E IS SUBJECT TO REMOVAL AND REPLACEMENT AT NO ADDITIONAL COST TO THE CONTRACT.
14. CONTRACTOR NOTE: THE BASE OF ALL EXCAVATIONS SHALL BE KEPT FREE OF WATER AND LOOSE SOIL PRIOR TO PLACING CONCRETE. CARE SHOULD BE TAKEN DURING EXCAVATION AND CONSTRUCTION TO MINIMIZE DISTURBANCE OF THE BEARING SOILS THE CONCRETE SHOULD BE PLACED AS SOON AS POSSIBLE AFTER EXCAVATION TO PREVENT EXCESSIVE DRYING OR WETTING OF THE EXCAVATION.
15. FOR APPLICABLE CODES AND STANDARDS, MATERIAL STRENGTHS AND CONSTRUCTION REQUIREMENTS, SEE GENERAL STRUCTURAL NOTES AND SPECIFICATIONS.
16. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO START OF CONSTRUCTION – RESOLVE ANY DISCREPANCY WITH ARCHITECT. DO NOT SCALE DRAWINGS.
17. FOR CLARITY, ALL EXTERIOR SLABS AND SIDEWALKS MAY NOT BE SHOWN. FOR EXACT DIMENSIONS, LOCATIONS, JOINTS AND SCORE LINES, SEE ARCHITECTURAL DRAWINGS.
18. FOR CLARITY, ALL ROOF, FLOOR AND WALL OPENINGS MAY NOT BE SHOWN ON STRUCTURAL DRAWINGS. FOR EXACT SIZE, NUMBER AND LOCATION OF OPENINGS, SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS. FOR FRAMING AT OPENINGS, SEE TYPICAL STRUCTURAL DETAILS. VERIFY ALL SIZES, WEIGHTS AND LOCATIONS OF MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTS, ETC. WITH MECHANICAL AND ELECTRICAL ENGINEERS THROUGH ARCHITECT.
19. DETAILS MARKED "TYPICAL" MAY OR MAY NOT BE CUT ON PLANS, BUT SHALL APPLY UNLESS NOTED OTHERWISE.

CAST IN PLACE CONCRETE

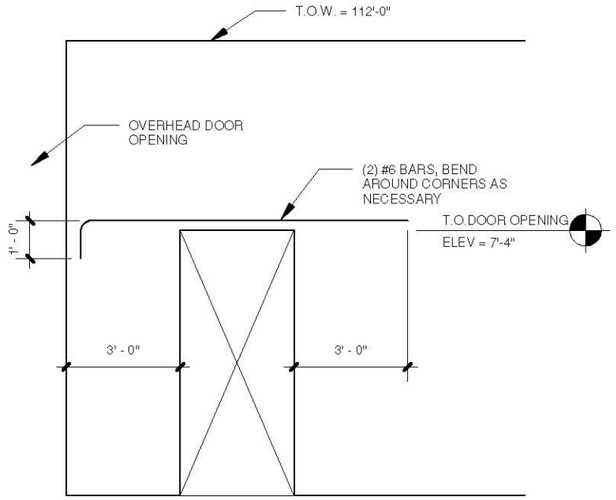
1. PERFORM AND FABRICATE CONCRETE REINFORCING WORK IN ACCORDANCE WITH STANDARD SPECIFICATION SECTON 505.1
   - PERFORM CAST-IN-PLACE CONCRETE WORK IN ACCORDANCE WITH STANDARD SPECIFICATION SECTIONS 501 & 502.
2. PERFORM CONCRETE TESTING PER STANDARD SPECIFICATION SECTION 710 & 715.

ROUGH CARPENTRY

1. SECTION INCLUDES STRUCTURAL FLOOR, WALL, AND ROOF FRAMING; BUILT-UP STRUCTURAL MEMBERS; TRUSSES; WALL AND ROOF SHEATHING; SUBFLOOR SHEATHING; PRESERVATIVE AND FIRE RETARDANT TREATMENT; SILL GASKETS. FLASHINGS; AND ROOF CURBS AND CANTS; BLOCKING IN WALL AND ROOF OPENINGS; WOOD FURRING AND GROUNDS; ELECTRICAL PANEL BACK BOARDS, CONCEALED WOOD BLOCKING.
2. PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING:
   - LUMBER GRADING AGENCY: CERTIFIED BY DOC PS 20.
   - WOOD STRUCTURAL PANEL GRADING AGENCY: CERTIFIED BY EWA – THE ENGINEERED WOOD ASSOCIATION.
   - LUMBER: DOC PS 20.
   - WOOD STRUCTURAL PANELS: DOC PS 1 OR DOC PS 2.
3. FIRE RATED CONSTRUCTION: RATING AS INDICATED ON DRAWINGS
   - TESTED RATING: DETERMINED IN ACCORDANCE WITH ASTM E119.
4. LUMBER GRADING RULES: WWPA G-5.
5. BEAM FRAMING: DFL SPECIES, #2GRADE, 19 PERCENT MAXIMUM MOISTURE CONTENT.
6. JOIST FRAMING: DFL SPECIES, #2GRADE, 19 PERCENT MAXIMUM MOISTURE CONTENT.
7. RAFTER FRAMING: DFL SPECIES, #2GRADE, 19 PERCENT MAXIMUM MOISTURE CONTENT.
8. NON-STRUCTURAL LIGHT FRAMING: SPF SPECIES, CONSTRUCTION GRADE, 19 PERCENT MAXIMUM MOISTURE CONTENT.
9. STUDDING: SPF SPECIES, STUD GRADE, 19 PERCENT MAXIMUM MOISTURE CONTENT.
10. SILL PLATE: PRESSURE TREATED.
11. PLYWOOD ROOF SHEATHING: RATED SHEATHING SPAN RATING AS REQUIRED FOR SPAN CONDITIONS; EXPOSURE DURABILITY 1.
12. PLYWOOD WALL SHEATHING: RATED SHEATHING, SPAN RATING AS REQUIRED FOR SPAN CONDITIONS; EXPOSURE DURABILITY 1.
13. GYPSUM WALL SHEATHING: ASTM C1396/C1396M; TYPE X FIRE RESISTANT, 5/8 INCH THICK, 48 X 96 INCH SIZED SHEETS, SQUARE EDGES, WATER REPELLANT PAPER FACES.
14. PLYWOOD FLOOR SHEATHING: APA RATED SHEATHING, STRUCTURAL I, STURD-I FLOOR SPAN RATING AS REQUIRED BY SPAN CONDITIONS; EXPOSURE DURABILITY 1.
15. TELEPHONE AND ELECTRICAL PANEL BOARDS: PLYWOOD.
16. PLYWOOD UNDERLAYMENT: RATED SHEATHING, SPAN RATING AS REQUIRED BY SPAN CONDITIONS; EXPOSURE DURABILITY 1.
17. SLOPED ROOF SHEATHING: 5/8 INCH THICK, 48 X 96 INCH SIZED SHEETS, SQUARE EDGES.
18. FLAT ROOF SHEATHING: 3/4 INCH THICK, 48 X 96 INCH SIZED SHEETS, SQUARE EDGES.
19. ABOVE GRADE WALL SHEATHING: 1/2 INCH THICK, 48 X 96 INCH SIZED SHEETS, SQUARE EDGES.
20. FLOOR SHEATHING: 3/4 INCH THICK, 48 X 96 INCH SIZED SHEETS, TONGUE AND GROOVE EDGES.
21. FLOOR UNDERLAYMENT: ½ INCH THICK, 48 X 96 INCH SIZED SHEETS.
22. FIREBLOCKING: SOLID LUMBER, STRUCTURAL WOOD PANEL, OR PARTICLEBOARD.
   - SOLID LUMBER NOMINAL 2 INCHES THICK.
   - TWO LAYERS OF SOLID LUMBER NOMINAL 1 INCH THICK WITH BROKEN LAPPED JOINTS.
   - STRUCTURAL WOOD PANEL 23/32 INCH THICK WITH JOINTS BACKED BY STRUCTURAL WOOD PANEL.
   - PARTICLEBOARD 3/4 INCH THICK WITH JOINTS BACKED BY PARTICLEBOARD.
23. DRAFTSTOPPING: MINIMUM 1/2 INCH THICK GYPSUM BOARD, 3/8 INCH THICK WOOD STRUCTURAL PANEL OR 3/8 INCH THICH PARTICLEBOARD.
24. FASTENERS AND ANCHORS:
   - FASTENERS: HOT DIPPED GALVANIZED STEEL FOR HIGH HUMIDITY AND TREATED WOOD LOCATIONS, UNFINISHED STEEL ELSEWHERE.
   - NAILS AND STAPLES: ASTM F1667.
25. DIE STAMPED CONNECTORS: GALVANIZED STEEL.
26. STRUCTURAL FRAMING CONNECTORS: JOIST HANGERS: GALVANIZED STEEL, SIZED TO SUIT FRAMING CONDITIONS.
27. SILL GASKET ON TOP OF FOUNDATION WALL: PLATE WIDTH, CLOSED CELL FOAM STRIP.
28. SILL FLASHING (UNDER SILL GASKET): GALVANIZED STEEL.
29. SUBFLOOR GLUE: APA AFG-01, WATER BASE, WATERPROOF.
30. BUILDING PAPER: ASTM D226, TYPE II, NO. 30, UNPERFORATED ASPHALT FELT.
31. WOOD PRESERVATIVE (PRESSURE TREATMENT): AWPA TREATMENT C1 USING WATER BORNE PRESERVATIVE WITH 0.25 PCF RETENTION.
32. MOISTURE CONTENT AFTER TREATMENT: KILN DRIED (KDAT).
   - LUMBER: MAXIMUM 19 PERCENT.
   - STRUCTURAL PANELS: MAXIMUM 15 PERCENT.
33. SET STRUCTURAL MEMBERS LEVEL AND PLUMB, IN CORRECT POSITION.
34. FASTEN FRAMING IN ACCORDANCE WITH APPLICABLE CODE.
35. PLACE HORIZONTAL MEMBERS CROWN SIDE UP.
36. PLACE FULL WIDTH CONTINUOUS SILL FLASHING ON FOUNDATIONS.
37. PLACE SILL GASKET DIRECTLY ON SILL FLASHING.
38. FRAME DOUBLE JOIST HEADERS AT FLOOR AND CEILING OPENINGS. FRAME RIGIDLY INTO JOISTS. FRAME DOUBLE JOISTS UNDER WALL STUDDING.
39. BRIDGE JOISTS IN EXCESS OF 8 FEET SPAN AT MID-SPAN OF MEMBERS. FIT BRIDGING AT ENDS OF MEMBERS.
40. CURB ROOF OPENINGS EXCEPT WHERE CURBS ARE PROVIDED. CONSTRUCT CURB MEMBERS OF SINGLE PIECES FOR EACH SIDE.
41. INSTALL GYPSUM SHEATHING IN ACCORDANCE WITH ASTM C1280.
42. FASTEN SHEATHING IN ACCORDANCE WITH APPLICABLE CODE.
43. INSTALL SUBFLOOR SHEATHING WITH LONGER EDGE PERPENDICULAR TO FLOOR FRAMING WITH END JOINTS STAGGERED. SECURE SHEET EDGES OVER FIRM BEARING. ATTACH SHEATHING WITH [SUBFLOOR GLUE AND] GYPSUM BOARD SCREWS AT FLOOR APPLICATIONS
44. PLACE BUILDING PAPER BETWEEN UNDERLAYMENT AND SUBFLOORING.
45. SECURE WALL SHEATHING WITH ENDS STAGGERED, OVER FIRM BEARING.
46. PLACE BUILDING PAPER OVER WALL SHEATHING, WEATHER LAP JOINTS AND END LAPS, STAPLE IN PLACE. COORDINATE FLASHING INSTALLATION TO ENSURE CONTINUOUS WATER RESISTANT BARRIER.
47. USE SHEATHING CLIPS BETWEEN SHEETS BETWEEN ROOF FRAMING MEMBERS.
48. INSTALL TELEPHONE AND ELECTRICAL PANEL BACK BOARDS WITH PLYWOOD SHEATHING MATERIAL WHERE REQUIRED. SIZE BACK BOARD BY 12 INCHES BEYOND SIZE OF ELECTRICAL PANEL.
49. INSTALL FIREBLOCKING TO CUT OFF CONCEALED DRAFT OPENINGS.
   - CONCEALED FRAMED WALL AND FURRED SPACES: INSTALL FIREBLOCKING VERTICALLY AT FLOOR AND CEILING LEVELS AND HORIZONTALLY AT MAXIMUM 10 FEET ON CENTER.
   - CONNECTIONS BETWEEN HORIZONTAL AND VERTICAL SPACES: INSTALL FIREBLOCKING BETWEEN VERTICAL WALLS AND PARTITIONS AND THE FOLLOWING:
   - HORIZONTAL FLOOR AND ROOF FRAMING.
   - SOFFITS, DROPPED CEILINGS, COVE CEILINGS AND OTHER HORIZONTAL CONCEALED SPACES.
   - STAIRS: INSTALL FIREBLOCKING BETWEEN STAIR STRINGERS AT TOP AND BOTTOM OF EACH RUN.
   - EXTERIOR COMBUSTIBLE ARCHITECTURAL TRIM: INSTALL FIREBLOCKING AT MAXIMUM 20 FEET ON CENTER.
51. INSTALL DRAFTSTOPPING IN FLOORS AND AT LOCATIONS INDICATED ON DRAWINGS.
   - FLOORS: IN LOCATIONS TO LIMIT EACH AREA TO 1000 SF.
   - ATTICS: IN LOCATIONS TO LIMIT EACH AREA TO 3000 SF.
52. TREAT SITE-SAWN CUTS. BRUSH APPLY TWO COATS OF PRESERVATIVE TREATMENT ON UNTREATED WOOD IN CONTACT WITH CEMENTITIOUS MATERIALS ROOFING AND RELATED METAL FLASHINGS. ALLOW PRESERVATIVE TO CURE PRIOR TO ERECTING MEMBERS.

SHOP-FABRICATED WOOD TRUSSES

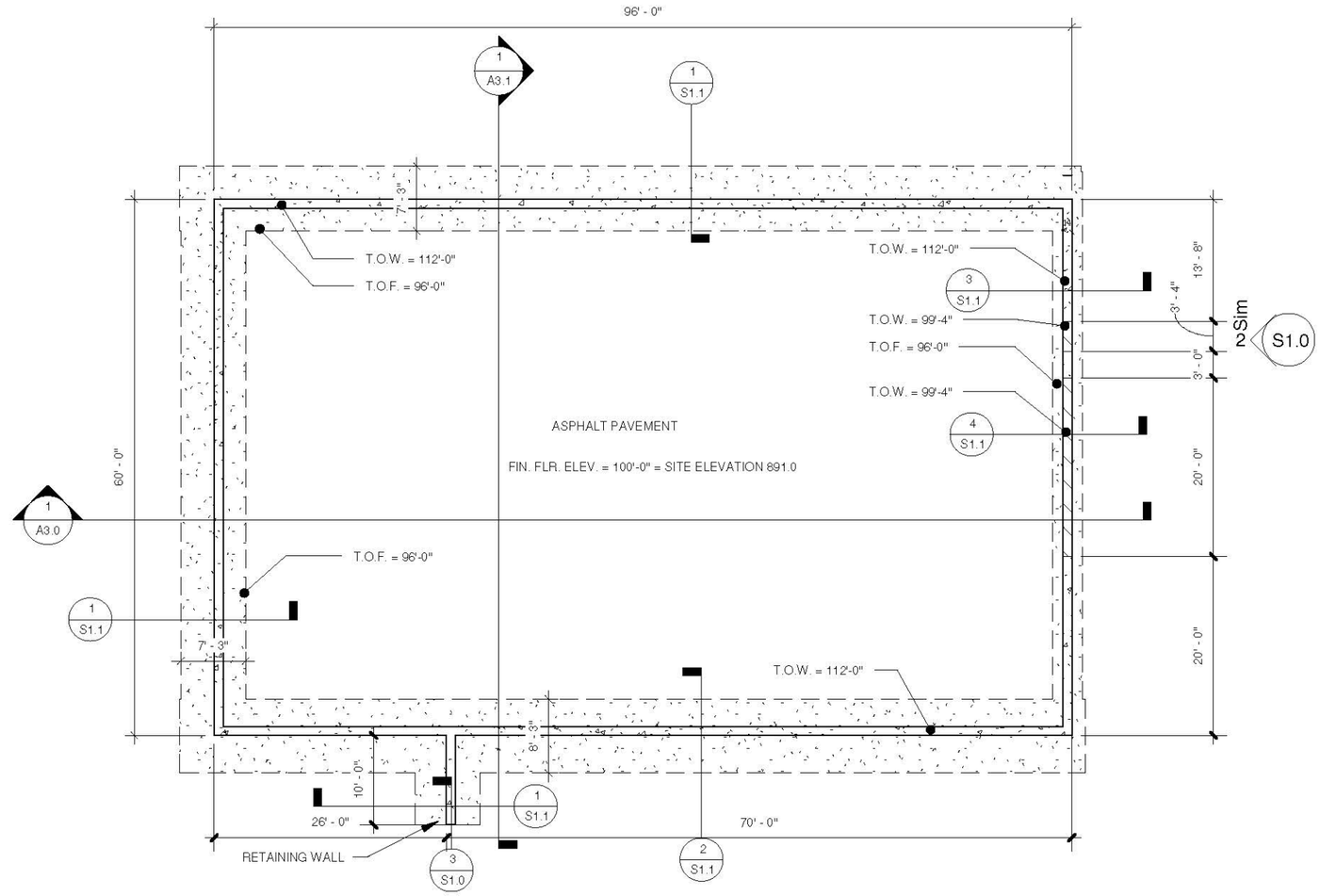
1. SECTION INCLUDES SHOP FABRICATED WOOD TRUSSES FOR ROOF; BRIDGING, BRACING, AND ANCHORAGE; AND PRESERVATIVE TREATMENT OF WOOD.
2. DESIGN LOADING SHALL BE ACCORDING TO APPLICABLE BUILDING CODES WITH DEFLECTIONS
3. PROVIDE TRUSS OPENINGS TO ACCOMMODATE MECHANICAL DUCTS.
4. SUBMITTALS:
   - SHOP DRAWINGS: INDICATE SIZES AND SPACING OF TRUSSES AND ASSOCIATED COMPONENTS, WEB AND CHORD SIZES, PLATE SIZES, FASTENER DESCRIPTIONS AND SPACINGS, LOADS AND TRUSS CAMBERS, FRAMED AND OPENINGS. SUBMIT STAMPED DESIGN CALCULATIONS.
   - PRODUCT DATA: PROVIDE TRUSS CONFIGURATIONS, BEARING AND ANCHOR DETAILS, BRIDGING AND BRACING.
5. PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING:
   - LUMBER GRADING AGENCY: CERTIFIED BY DOC PS 20.
   - WOOD STRUCTURAL PANEL GRADING AGENCY: CERTIFIED BY EWA – THE ENGINEERED WOOD ASSOCIATION.
   - LUMBER: DOC PS 20.
   - WOOD STRUCTURAL PANELS: DOC PS 1 OR DOC PS 2.
   - TRUSS DESIGN, FABRICATION, AND INSTALLATION: IN ACCORDANCE WITH TPI 1.
8. FIRE RATED CONSTRUCTION: RATING AS INDICATED ON DRAWINGS.
   - TESTED RATING: DETERMINED IN ACCORDANCE WITH ASTM E119.
9. MANUFACTURER: COMPANY SPECIALIZING IN MANUFACTURING SHOP FABRICATED WOOD TRUSSES WITH MINIMUM THREE YEARS EXPERIENCE.
10. DESIGN TRUSSES UNDER DIRECT SUPERVISION OF PROFESSIONAL ENGINEER EXPERIENCED IN DESIGN OF THIS WORK AND LICENSED AT PROJECT LOCATION. SUBMIT STAMPED CALCULATIONS AND LAYOUT DRAWINGS FOR SUBMISSION TO THE STATE OF WISCONSIN
11. LUMBER GRADING RULES: WWPA G-5.
12. WOOD MEMBERS: SINGLE TOP AND BOTTOM CHORD, DFL SPECIES #2 GRADE OR BETTER. 19 PERCENT MAXIMUM AND 7 PERCENT MINIMUM MOISTURE CONTENT.
13. STEEL PLATE CONNECTORS SHALL BE TPI 1, SECTION 6; HOT DIP, GALVANIZED; DIE STAMPED WITH INTEGRAL TEETH.
14. TRUSS BRIDGING: TYPE, SIZE AND SPACING RECOMMENDED BY TRUSS MANUFACTURER.
15. WOOD BLOCKING SHALL BE SOFTWOOD LUMBER, S/P/F SPECIES, CONSTRUCTION GRADE, 19 PERCENT MAXIMUM AND 7 PERCENT MINIMUM MOISTURE CONTENT.
16. FASTENERS AND ANCHORS:
   - FASTENERS: HOT DIPPED GALVANIZED STEEL FOR HIGH HUMIDITY AND TREATED WOOD LOCATIONS, UNFINISHED STEEL ELSEWHERE.
   - NAILS AND STAPLES: ASTM F1667.
   - ANCHORS: TOGGLE BOLT TYPE FOR ANCHORAGE TO HOLLOW MASONRY.EXPANSION SHIELD AND LAG BOLT TYPE FOR ANCHORAGE TO SOLID MASONRY OR CONCRETE. BOLT OR BALLISTIC FASTENER FOR ANCHORAGES TO STEEL.
17. FABRICATE TRUSSES TO ACHIEVE STRUCTURAL REQUIREMENTS SPECIFIED.
18. FURNISH BOTTOM AND TOP CHORD EXTENSIONS AS INDICATED ON DRAWINGS.
19. FABRICATE TO ACHIEVE MINIMUM END BEARING OF:
   - 3 1/2 INCHES ON STEEL.
   - 3 1/2 INCHES ON MASONRY.
   - 5 1/2 INCHES ON WOOD.
20. FRAME SPECIAL SIZED OPENINGS IN WEB FRAMING AS REQUIRED BY MECHANICAL SYSTEMS.
21. VERIFY SUPPORTS AND OPENINGS ARE READY TO RECEIVE TRUSSES.
22. COORDINATE PLACEMENT OF BEARING SUPPORT ITEMS.
23. SET MEMBERS LEVEL AND PLUMB, IN CORRECT POSITION.
24. MAKE PROVISIONS FOR ERECTION LOADS, AND FOR SUFFICIENT TEMPORARY BRACING TO MAINTAIN STRUCTURE PLUMB, AND IN INDICATED ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRACING.
25. DO NOT FIELD CUT OR ALTER STRUCTURAL MEMBERS WITHOUT APPROVAL OF ARCHITECT/ENGINEER.
26. PLACE HEADERS AND SUPPORTS TO FRAME OPENINGS.
27. COORDINATE PLACEMENT OF DECKING SHEATHING WITH WORK OF THIS SECTION.
28. AFTER ERECTION, TOUCH-UP DAMAGED SURFACES WITH PRIMER CONSISTENT WITH SHOP COAT.
29. BRUSH APPLY TWO COATS OF PRESERVATIVE TREATMENT ON WOOD IN CONTACT WITH CEMENTITIOUS MATERIALS AND ROOFING AND RELATED METAL FLASHINGS. TREAT SITE-SAWN CUTS.
30. ALLOW PRESERVATIVE TO DRY PRIOR TO ERECTING MEMBERS.



2 S1.0 DOOR HEADER REINFORCING
NOT TO SCALE

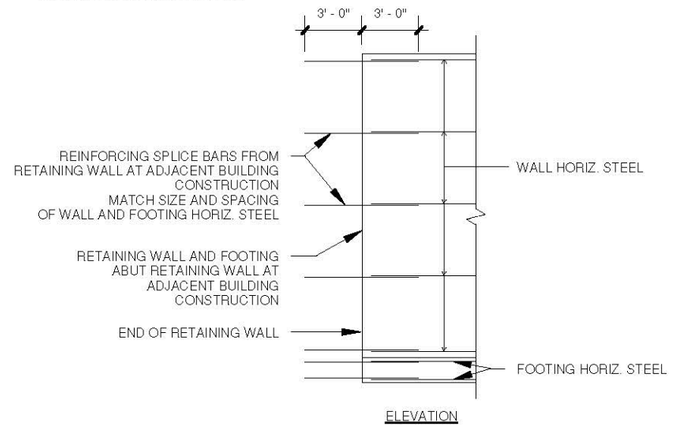
NOTE:
ALL STEEL REINF. SHALL BE EPOXY COATED.

FOUNDATION CONTRACTOR TO COORDINATE EXACT CONCRETE DIMENSIONS WITH WOOD ROOF STRUCTURE SUPPLIER.



1 S1.0 FOUNDATION PLAN
1/16" = 1'-0"

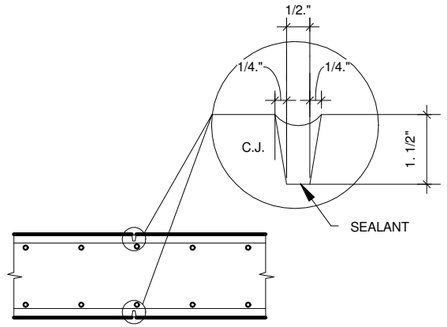
NOTE:
RETAINING WALL TO CONNECT TO SHOP BUILDING RETAINING WALL. OMIT SPLICE BARS IF SHOP BUILDING RETAING WALLHAS ALREADY BEEN CONSTRUCTED.



3 S1.0 RETAINING WALL SPLICE DETAIL
N.T.S.

PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	BUILDING DETAILS: FOUNDATION PLAN	SHEET 15	E

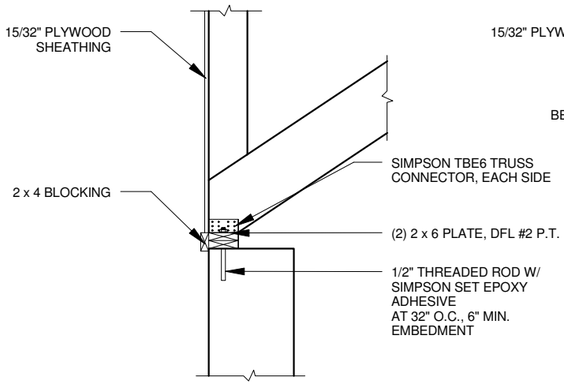
2

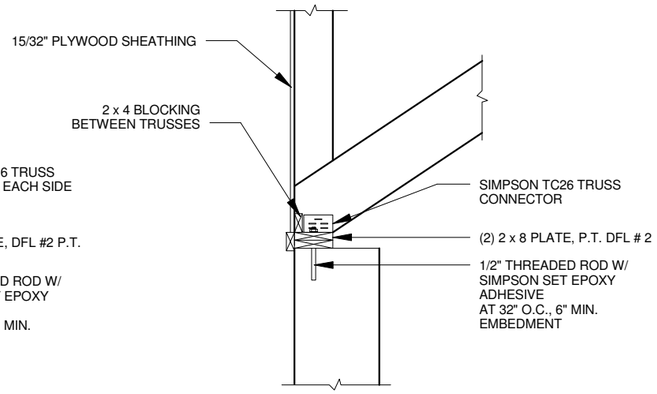


TYPICAL CONTROL JOINT

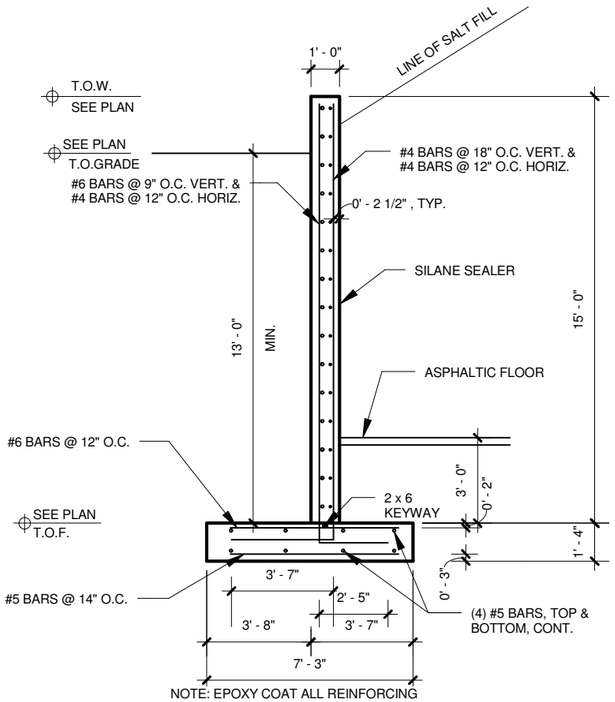
NOTES:
1. FILL JOINT WITH SEALANT.
2. OVER LONG FOUNDATION SPANS EQUALLY SPACE CONTROL JOINTS.
3. COORDINATE CONCRETE FINISH WITH ARCHITECTURAL DRAWINGS.
4. LIMIT SPACING TO 40'-0".
5. CONTROL JOINTS SHOULD COINCIDE WITH MASONRY CMU OR PRECAST. VENEER CONTROL JOINTS WHERE APPLICABLE.

5 / S1.1 FOUNDATION WALL CONTROL JOINT DETAIL
N.T.S.

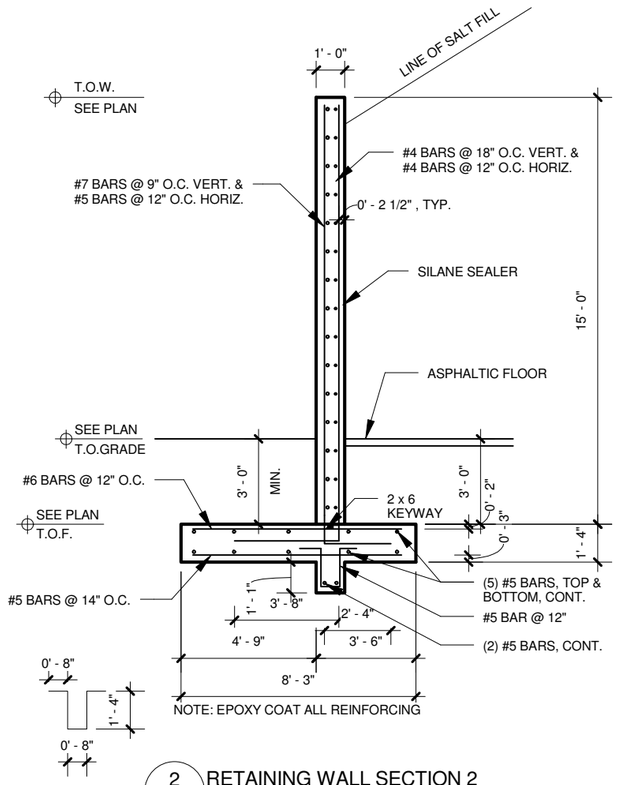




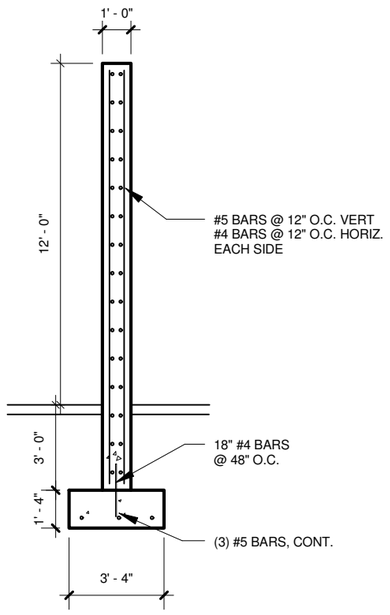
6 / S1.1 TYPICAL TRUSS BEARING DETAILS
N.T.S. VERIFY W/ TRUSS MANUFACTURER



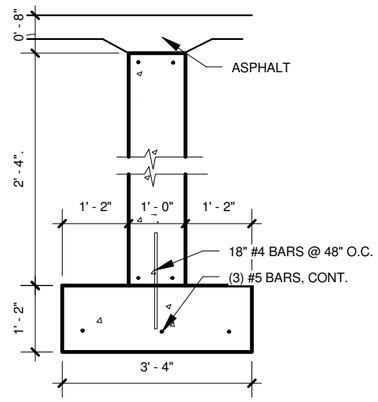
1 / S1.1 RETAINING WALL SECTION 1
N.T.S.



2 / S1.1 RETAINING WALL SECTION 2
N.T.S.



3 / S1.1 CONCRETE WALL
N.T.S.



4 / S1.1 CONCRETE WALL SECTION1
N.T.S.

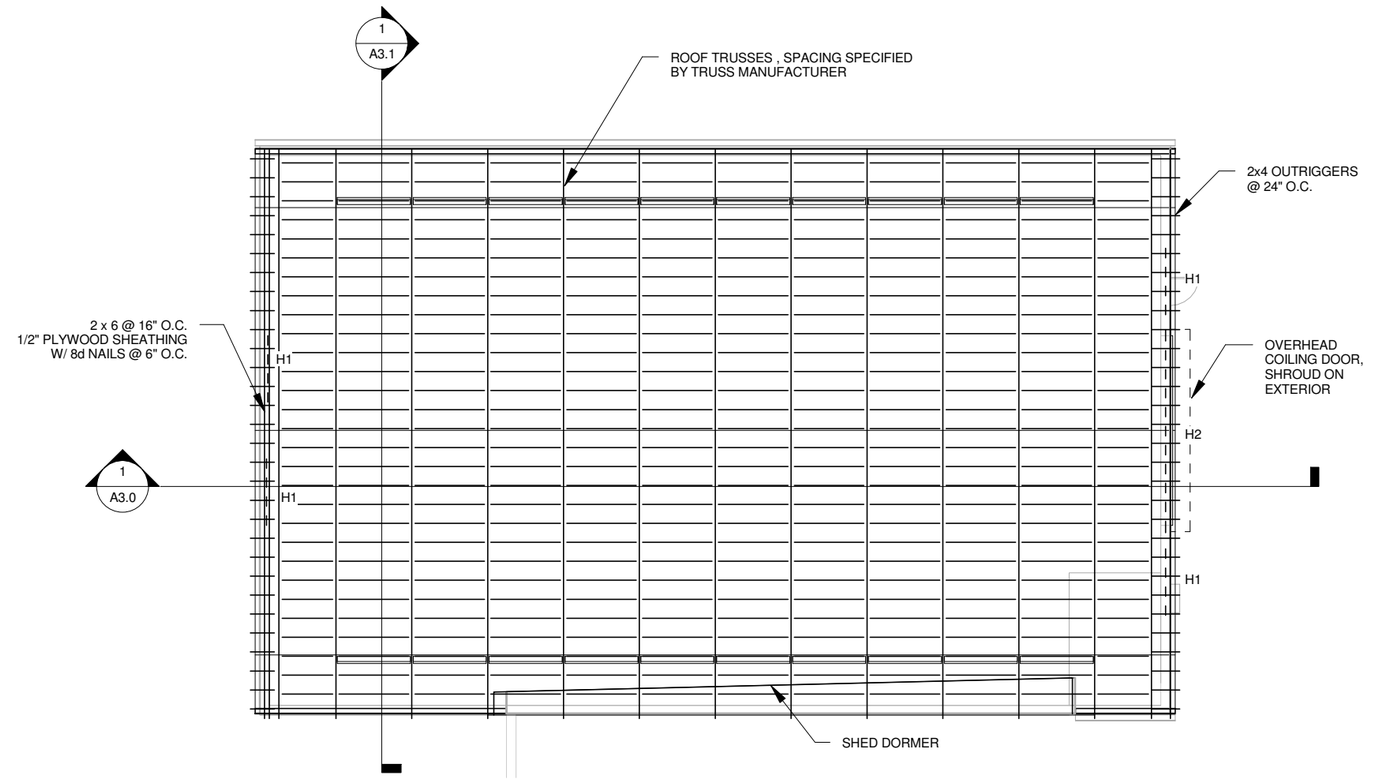
PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	BUILDING DETAILS: STRUCTURAL DETAILS	SHEET 16	E

FILE NAME : S:\PROJECTS\C22010 COLUMBIA COUNTY CAMBRIA HIGHWAY SHOP\CADD FILES\REVIT FILES\DOT LAYOUT TITLEBLOCK\DOT DETAIL BORDER.DWG
PLOT DATE : ----
PLOT TIME : ----
PLOT BY : RING, ANDREA
PLOT SCALE : 1" = 1'

2

HEADER SCHEDULE	
H1	(2) 2 x 8, DFL #2
H2	2 PLY 14" MICROLLAM, E = 2.0 x 10^6 psi

2 / S2.0 HEADER SCHEDULE
N.T.S.

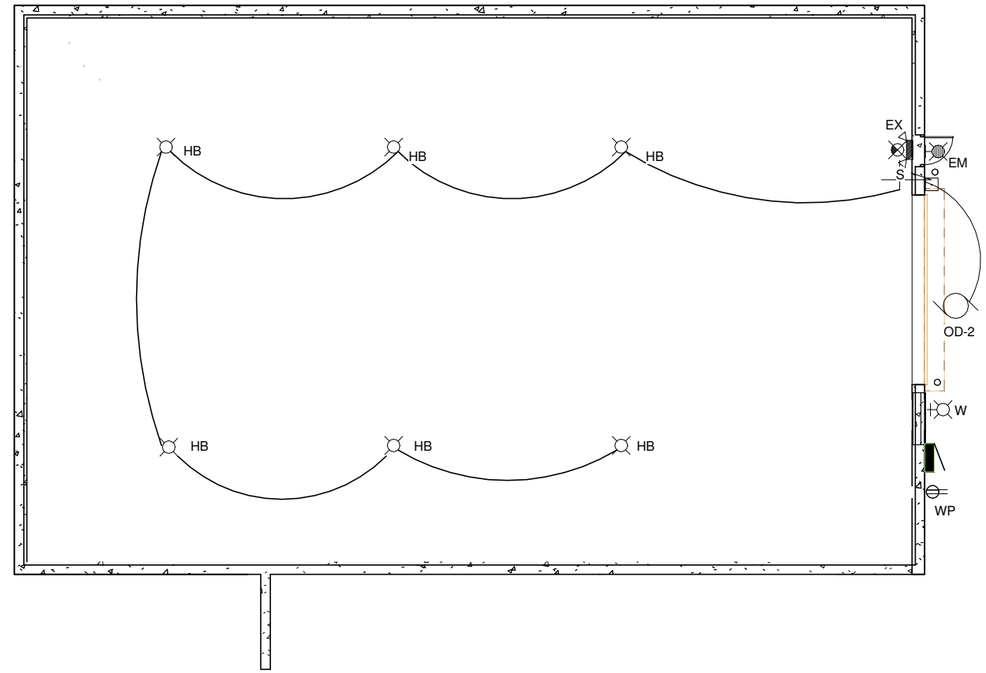


1 / S2.0 ROOF FRAMING PLAN
1/16" = 1'-0"

PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	BUILDING DETAILS: ROOF FRAMING PLAN	SHEET 17	E

FILE NAME : S:\PROJECTS\C22010 COLUMBIA COUNTY CAMBRIA HIGHWAY SHOP\CADD FILES\REVIT FILES\DOT LAYOUT TITLEBLOCK\DOT DETAIL BORDER.DWG
PLOT DATE : ----
PLOT TIME : ----
PLOT BY : RING, ANDREA
PLOT SCALE : 1" = 1'

2



1 / E1.0 ELECTRICAL PLAN
1/16" = 1'-0"

SYMBOLS LIST:

MOUNTING HEIGHTS FOR DEVICES AND EQUIPMENT TO BE MEASURED FROM FINISHED FLOOR TO CENTERLINE OF DEVICE.

LIGHTING:

HB - HIGH BAY LED W/ FIXTURE, LITHONIA LIGHTING, JHBL

A - #
- CIRCUIT NUMBER
- FIXTURE DESIGNATION (SEE SCHEDULE THIS SHEET)

W - EXTERIOR WALL SCONCE, LED W/ FIXTURE, GARDCO, 121-EP2-4-35LA-2-3235-NW-120-BLP-PCB, LITHONIA, MCGRAW-EDISON

SHADING INDICATES FIXTURE PROVIDED WITH BATTERY BACKUP

EW - EXIT/EGRESS, EMERGI-LITE, WW-SVX24N-1-R-D-4X-2-MK-CW4, KENALL, FAIL-SAFE

EM-EXTERIOR EGRESS, LED W/FIXTURE, LITHONIA, AFN-B-EXT-FWD, ISOLITE, CHLORIDE

a
- SINGLE POLE SWITCH - TOGGLE TYPE - MOUNT AT 44" AFF, UNLESS NOTED OTHERWISE
- SWITCH DESIGNATION

POWER:

3 WP
- GROUND FAULT INTERRUPTING DUPLEX RECEPTACLE - MOUNTED AT 48" AFF UNLESS NOTED OTHERWISE.
- WEATHER PROOF
- CIRCUIT NUMBER

MOTOR CONNECTION - SEE KEYED NOTE

EQUIPMENT CONNECTION - SEE KEYED NOTE

PUSH BUTTON CONTROL

GENERAL:

ELECTRICAL PANEL

SEE KEYED NOTE SYMBOL

DATE 04MAY16 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	6707-02-81 QUANTITY
0010	205.0100	Excavation Common **P**	CY	540.000	540.000
0020	208.0100	Borrow **P**	CY	330.000	330.000
0030	213.0100	Finishing Roadway (project) 01. 6707-02-81	EACH	1.000	1.000
0040	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	380.000	380.000
0050	312.0110	Select Crushed Material	TON	540.000	540.000
0060	455.0605	Tack Coat	GAL	55.000	55.000
0070	460.2000	Incentive Density HMA Pavement	DOL	170.000	170.000
0080	460.6224	HMA Pavement 4 MT 58-28 S	TON	260.000	260.000
0090	619.1000	Mobilization	EACH	1.000	1.000
0100	624.0100	Water	MGAL	7.000	7.000
0110	625.0500	Salvaged Topsoil **P**	SY	705.000	705.000
0120	627.0200	Mulching **P**	SY	705.000	705.000
0130	628.1504	Silt Fence	LF	170.000	170.000
0140	628.1520	Silt Fence Maintenance	LF	340.000	340.000
0150	628.1905	Mobilizations Erosion Control	EACH	2.000	2.000
0160	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0170	628.7504	Temporary Ditch Checks	LF	15.000	15.000
0180	628.7515.S	Stone or Rock Ditch Checks	CY	6.000	6.000
0190	628.7560	Tracking Pads	EACH	1.000	1.000
0200	629.0210	Fertilizer Type B **P**	CWT	1.000	1.000
0210	630.0140	Seeding Mixture No. 40 **P**	LB	13.000	13.000
0220	630.0200	Seeding Temporary **P**	LB	10.000	10.000
0230	645.0140	Geotextile Type SAS	SY	25.000	25.000
0240	650.9910	Construction Staking Supplemental Control (project) 01. 6707-02-81	LS	1.000	1.000
0250	690.0150	Sawing Asphalt	LF	40.000	40.000
0260	SPV.0105	Special 01. Columbia County Salt Shed	LS	1.000	1.000
0270	SPV.0105	Special 02. Construction Staking Subgrade Special	LS	1.000	1.000
0280	SPV.0105	Special 03. Construction Staking Base Special	LS	1.000	1.000
0290	SPV.0105	Special 04. Shed Dormer	LS	1.000	1.000
0300	SPV.0105	Special 05. Brine Storage and Dispensing System	LS	1.000	1.000

3

ALL BID ITEMS ARE CATEGORY 010 UNLESS OTHERWISE NOTED

EARTHWORK SUMMARY

CATEGORY	FROM/TO STA	LOCATION	**P** (1) 205.0100 COMMON EXCAVATION CUT (2) (CY)	**P** (1) 205.0100 COMMON EXCAVATION EBS (3) (CY)	SALVAGED/ UNUSABLE PAVEMENT MATERIAL (CY) (4)	AVAILABLE MATERIAL (CY) (5)	205.0400 MARSH EXCAVATION (CY) (6)	205.0200 ROCK EXCAVATION (CY) (7)	REDUCED MARSH IN FILL (CY) FACTOR 0.6 (8)	REDUCED EBS IN FILL (CY) FACTOR 0.8 (9)	EXPANDED MARSH BACKFILL (CY) FACTOR 1.5 (10)	EXPANDED EBS BACKFILL (CY) FACTOR 1.5 (11)	EXPANDED ROCK (CY) FACTOR 1.1 (12)	UNEXPANDED FILL (CY)	EXPANDED FILL (CY) FACTOR 1.25 (13)	MASS ORDINATE +/- (CY) (14)	WASTE (CY)	**P** 208.0100 BORROW (CY)	COMMENT:
010	PROJECT I.D.: 6707-02-81	MAINLINE	540	-	-	540	-	-	-	-	-	-	-	693	870	-330	-	330	*
	TOTALS =		540			540								693	870	-330		330	

NOTES:
1.) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
2.) SALVAGED/UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN CUT
3.) EBS EXCAVATION TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL.
4.) SALVAGED/UNUSABLE PAVEMENT MATERIAL
5.) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSABLE PAVEMENT MATERIAL
6.) MARSH EXCAVATION - TO BE BACKFILLED WITH SELECT CRUSHED MATERIAL. ITEM 205.0400
7.) ROCK EXCAVATION. ITEM NUMBER 205.0200
8.) REDUCED MARSH IN FILL - EXCAVATED MARSH MATERIAL IS USABLE IN FILLS OUTISDE THE 1:1 SLOPE. MARSH IN FILL REDUCTION FACTOR = 0.6
9.) REDUCED EBS IN FILL - EXCAVATED EBS MATERIAL IS USEABLE IN FILLS OUTISDE 1:1 SLOPE. EBS IN FILL REDUCTION FACTOR = 0.8
10) EXPANDED MARSH BACKFILL - THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. MARSH BACKFILL FACTOR = 1.5. ITEM NUMBER 312.0115
11.)EXPANDED EBS BACKFILL - THIS IS TO BE FILLED WITH SELECT CRUSHED MATERIAL. EBS BACKFILL FACTOR = 1.3. ITEM NUMBER 312.0115
12.) EXPANDED ROCK FACTOR = 1.1
13.) EXPANDED FILL FACTOR 1.25: EXPANDED FILL = (UNEXPANDED FILL - REDUCED MARSH IN FILL)*1.25
14.) THE MASS ORDINATE+ OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE CATEGORY. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE CATEGORY.

EXCAVATION COMMON ACTIVITES FOR EXCAVATION OF BUILDING FOUNDATIONS TO BE INCLUDED IN COLUMBIA COUNTY SALT SHED BID ITEM

P PAY PLAN QUANTITY

BASE AGGREGATE DENSE & SELECT CRUSHED MATERIAL

PROJECT	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH (TON)	312.0110 SELECT CRUSHED MATERIAL (TON)
6707-02-81	380	540
TOTALS =	380	540

HMA PAVEMENT

PROJECT	455.0605 TACK COAT (GAL)	460.6224 HMA PAVEMENT 4MT 58-28 S (TON)
6707-02-81	55	260
TOTALS =	55	260

STONE DITCH CHECKS

PROJECT	628.7515.S STONE DITCH CHECK (CY)	645.0140 GEOTEXTILE FABRIC TYPE SAS (SY)
6707-02-81	6	25
TOTALS =	6	25

FINISHING ITEMS

PROJECT	**P** 625.0500 SALVAGED TOPSOIL (SY)	**P** 627.0200 MULCHING (SY)	**P** 629.0210 FERTILIZER TYPE B (CWT)	**P** 630.0140 SEEDING MIXTURE NO. 40 (LB)	**P** 630.0200 SEEDING TEMPORARY (LB)
6707-02-81	705	705	1	13	10
TOTALS =	705	705	1	13	10

P PAY PLAN QUANTITY

SILT FENCE

PROJECT	628.1504 SILT FENCE (LF)	628.1520 SILT FENCE MAINTENANCE (LF)
6707-02-81	170	340
TOTALS =	170	340

TEMPORARY DITCH CHECKS

PROJECT	628.7504 TEMPORARY DITCH CHECKS (LF)
6707-02-81	15
TOTALS =	15

MOBILIZATION EROSION CONTROL

PROJECT	628.1905 MOBILIZATIONS EROSION CONTROL (EACH)	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL (EACH)
6707-02-81	2	2
TOTALS =	2	2

WATER

PROJECT	624.0100 (MGAL)
6707-02-81	7
TOTAL =	7

TRACKING PAD

PROJECT	628.7560 (EACH)
6707-02-81	1
TOTALS =	1

CONSTRUCTION STAKING

PROJECT	LOCATION	650.9910 SUPPLEMENTAL CONTROL (01. 6707-02-81) (LS)	SPV.0105.02 SUBGRADE SPECIAL (LS)	SPV.0105.03 BASE SPECIAL (LS)
6707-02-81	PROJECT	1	-	-
	SITE	-	1	1
	TOTALS =	1	1	1

SAWING ASPHALT

PROJECT	690.0150 (LF)
6707-02-81	40
TOTALS =	40

COLUMBIA COUNTY SALT SHED

PROJECT	SPV.0105.01 COLUMBIA COUNTY SALT SHED (LS)	*SPV.0105.04 SHED DORMER (LS)	**SPV.0105.05 BRINE STORAGE AND DISPENSING SYSTEM (LS)
6707-02-81	1	1	1
TOTALS =	1	1	1

* CATEGORY 020
** CATEGORY 030

PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	MISCELLANEOUS QUANTITIES	SHEET 20	E

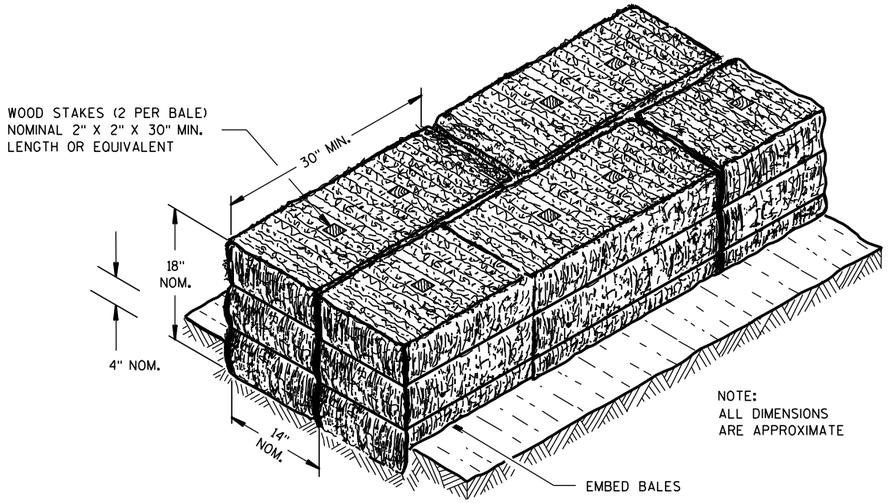
FILE NAME : S:\PROJECTS\C22010 - COLUMBIA COUNTY CAMBRIA HIGHWAY
LAYOUT : SHOP\DESIGN\C22010_MISC.QUANTITIES.DWG
PLOT DATE : 4/12/2016
PLOT TIME : 1:24:44 PM
PLOT BY : GABBEY, MICHAELIS
PLOT SCALE : 1" = 1'

Standard Detail Drawing List

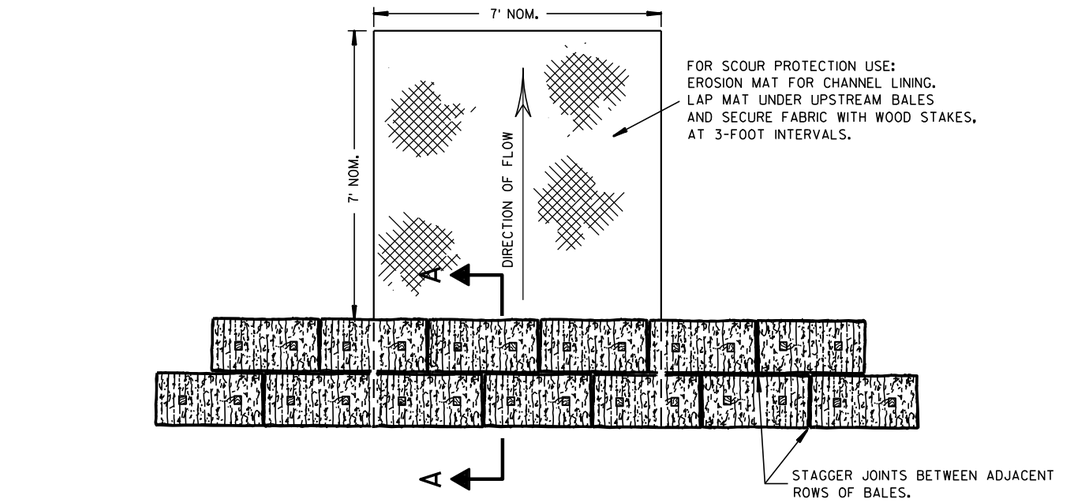
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E14-01	TRACKING PAD

6

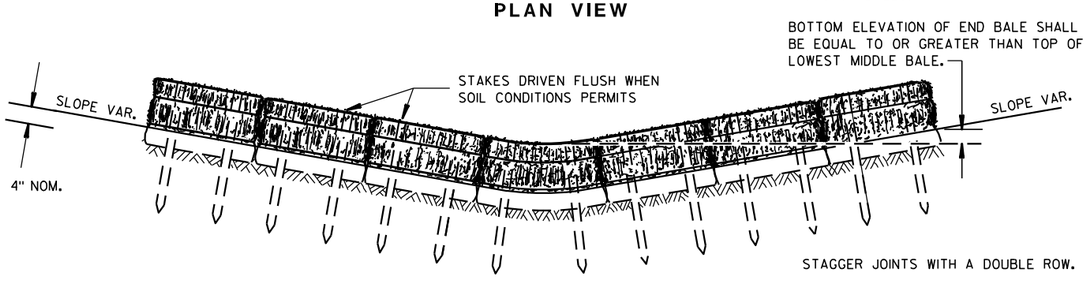
6



SECTION A-A



PLAN VIEW



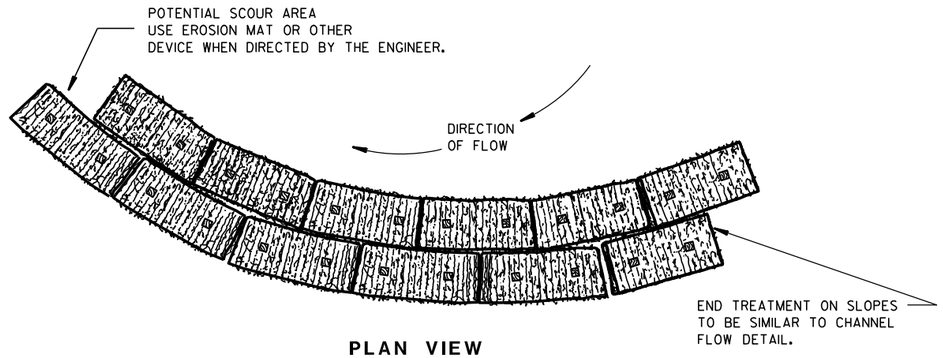
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

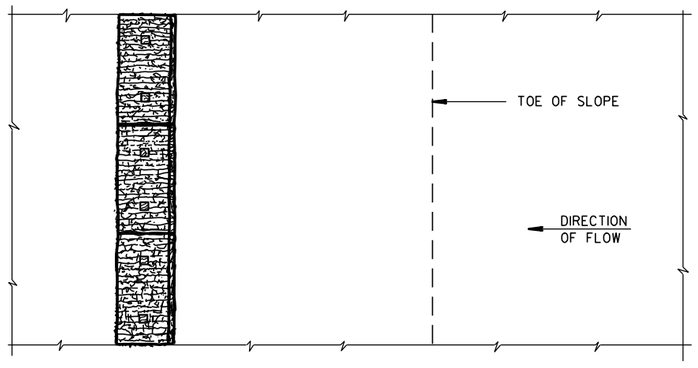
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

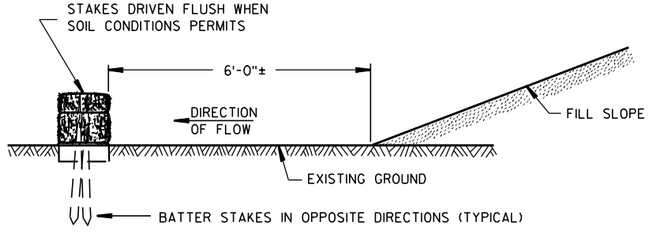


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

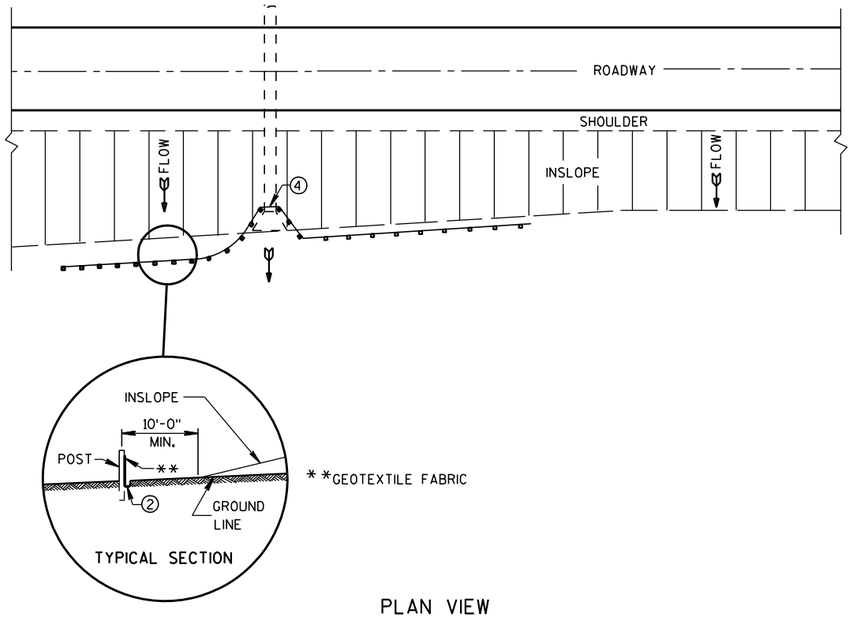
EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

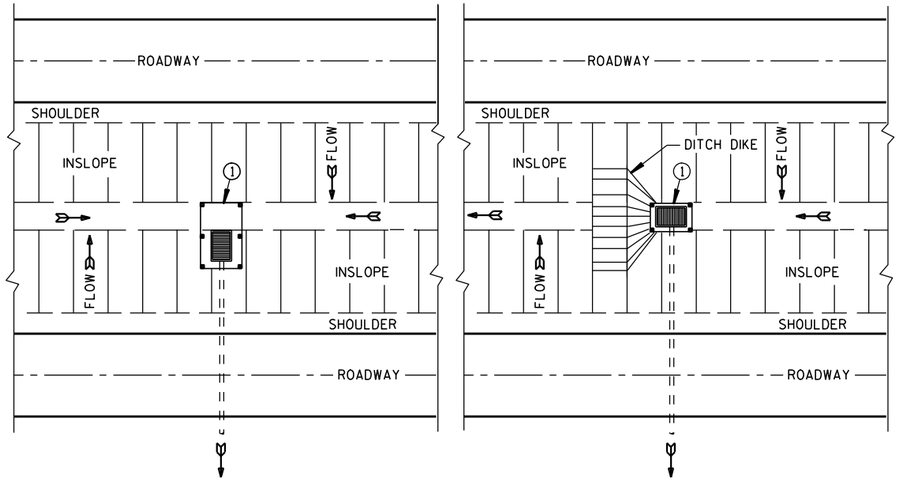
APPROVED
6/04/02 — DATE
/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

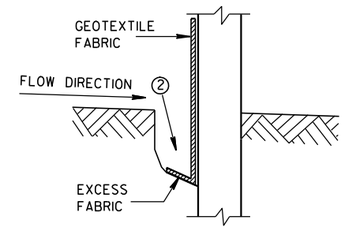
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

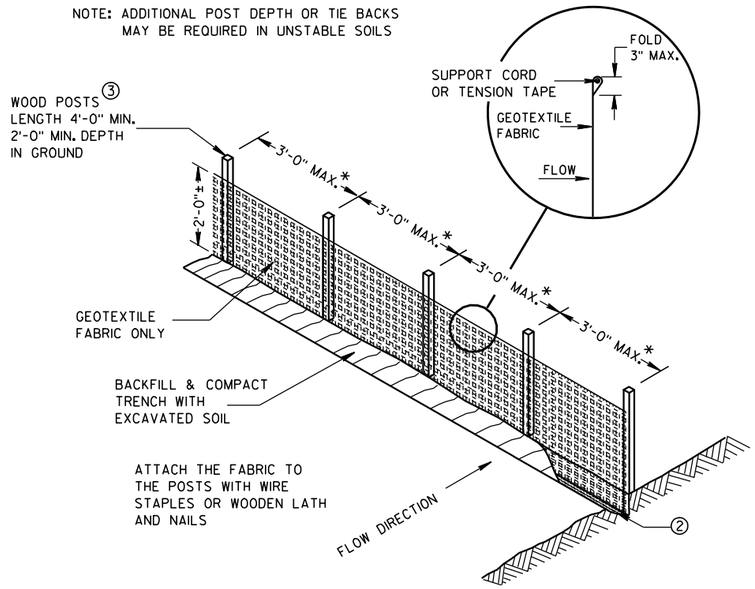
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

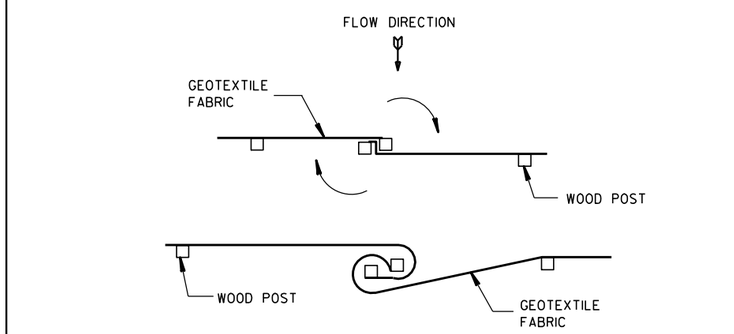
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



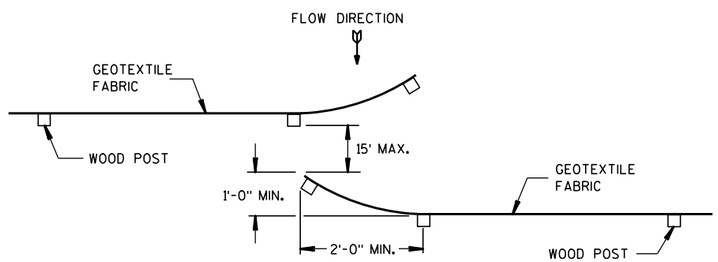
TRENCH DETAIL



SILT FENCE

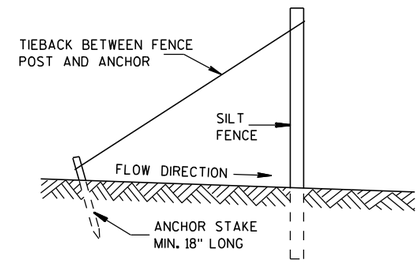


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

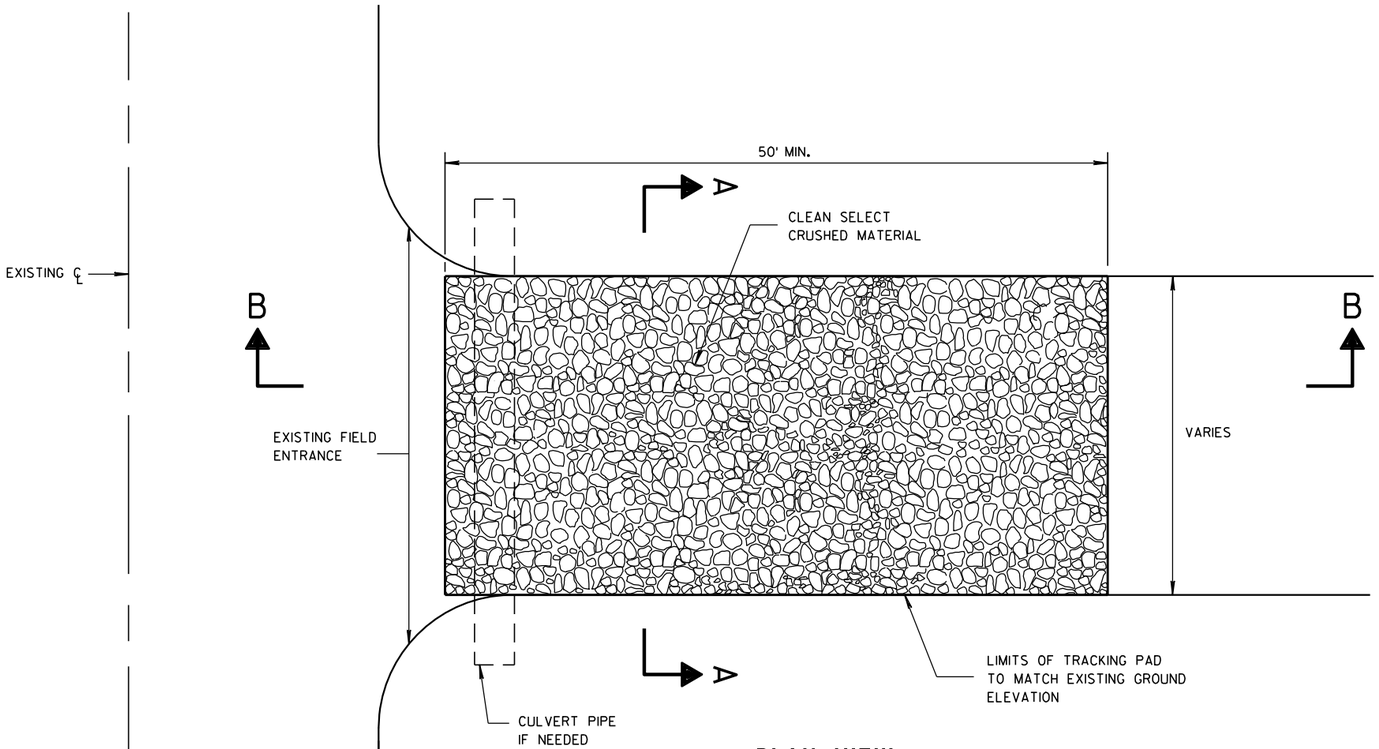
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

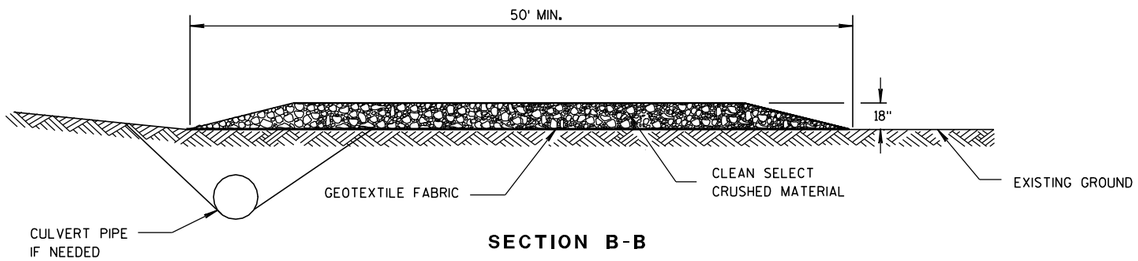
S.D.D. 8 E 9-6

6

S.D.D. 8 E 9-6



PLAN VIEW



SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

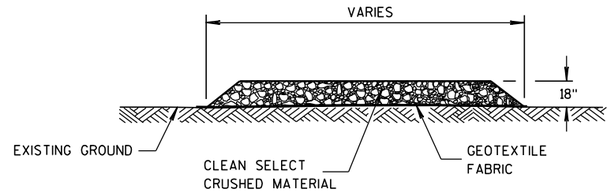
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

TRACKING PAD	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 3/24/2011 DATE FHWA	/S/ Jerry H. Zoda ROADWAY STANDARDS ENGINEER
	24
	ENT

S.D.D. 8 E 14-1
6

EARTHWORK-MAINLINE

	AREA (SF)					INCREMENTAL VOL (CY)								CUMMULATIVE VOLUME (CY)							
STATION	CUT	SALVAGED/ UNUSABLE PAV'T MATERIAL	FILL	MARSH EX	EBS	CUT NOTE 1	SALVAGED/ UNUSABLE PAV'T MATERIAL NOTE 2	FILL NOTE 3	MARSH EX	REDUCED MARSH IN FILL (0.6) NOTE 4	FILL (25%)	SELECT CRUSHED MATERIAL (1.5)	EBS	CUT 1.00 NOTE 1	FILL	MARSH EX	REDUCED MARSH IN FILL (0.6) NOTE 4	FILL (25%) NOTE 5	SELECT CRUSHED MATERIAL (1.5)	EBS	MASS ORDINATE NOTE 6
10+00.00	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10+07.00	35	0	1	0	0	10	0	0	0	0	0	0	0	10	0	0	0	0	0	0	10
10+07.01	111	0	1	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	10
10+4500	33	0	1	0	0	101	0	1	0	0	2	0	0	111	1	0	0	2	0	0	109
11+14.00	159	0	16	0	0	245	0	22	0	0	27	0	0	356	23	0	0	29	0	0	327
11+15.00	160	0	201	0	0	6	0	4	0	0	5	0	0	362	27	0	0	34	0	0	328
11+41.00	200	0	191	0	0	173	0	189	0	0	236	0	0	535	216	0	0	270	0	0	265
11+41.01	3	0	748	0	0	0	0	0	0	0	0	0	0	535	216	0	0	270	0	0	265
11+75.44	0	0	0	0	0	5	0	477	0	0	600	0	0	540	693	0	0	870	0	0	-330
					COLUMN SUBTOTALS	540	0	693	0	0	870	0	0								
					MAINLINE	540	0	693	0	0	870	0	0	540	693	0	0	870	0	0	-330

NOTE: EXCAVATION COMMON ACTIVITIES FOR EXCAVATION OF BUILDING FOUNDATIONS TO BE INCLUDED IN COLUMBIA COUNTY SALT SHED BID ITEM

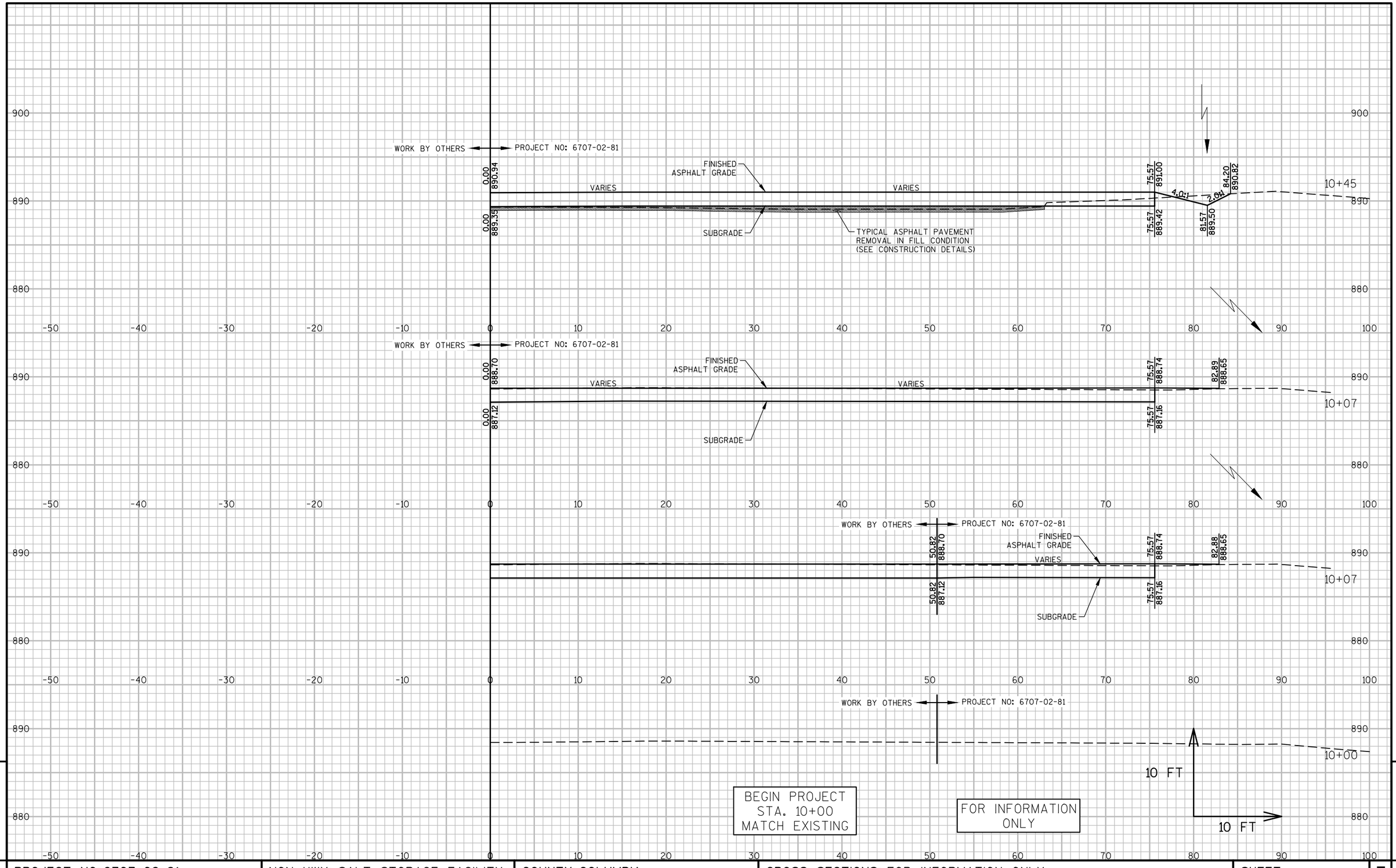
NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE MATERIAL
2 - SALVAGED/UNUSABLE PAVEMENT MATERIAL	THIS DOES NOT SHOW UP IN CROSS SECTIONS
3 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME
4 - REDUCED MARSH IN FILL	REDUCED MARSH THAT CAN BE USED IN FILL
5 - FILL (25%)	FILL 25%: (FILL -REDUCED MARSH IN FILL)*1.25
6 - MASS ORDINATE	(CUT - FILL (25%))

9

9

PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	EARTHWORK TABLE	SHEET 25	E

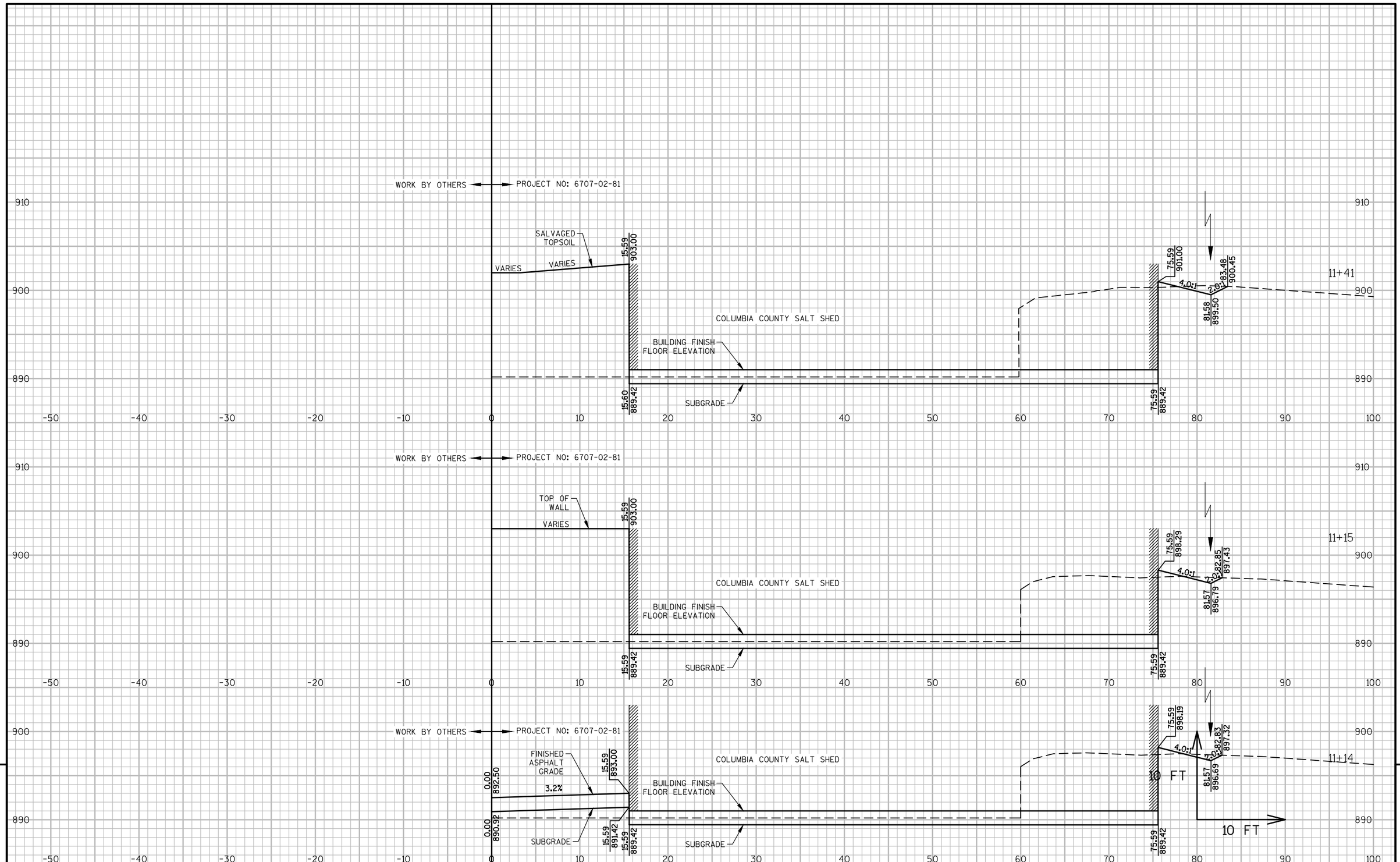
FILE NAME : S:\PROJECTS\C22010 – COLUMBIA COUNTY CAMBRIA HIGHWAY SHOP\DESIGN\EARTHWORK TABLE.DWG
LAYOUT : LAYOUT1
PLOT DATE : 1/22/2016
PLOT TIME : 2:52:45 PM
PLOT BY : BALLWEG,THOMAS
PLOT SCALE : 1" = 1'



9

9

PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	CROSS SECTIONS: FOR INFORMATION ONLY	SHEET 26	E



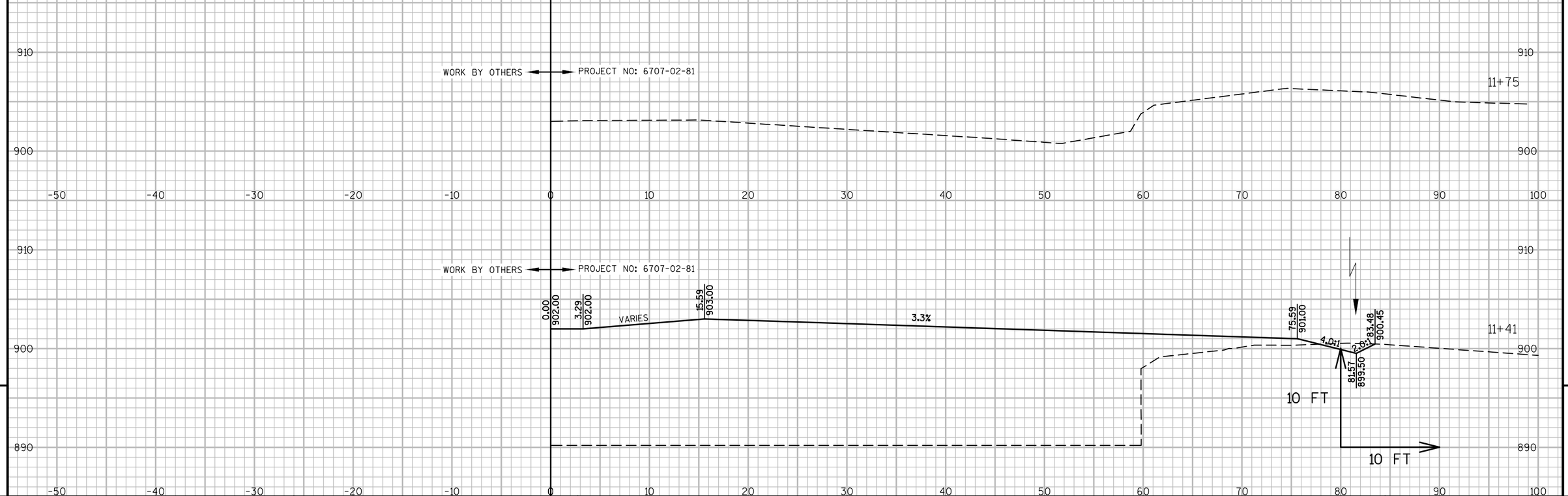
PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	CROSS SECTIONS: FOR INFORMATION ONLY	SHEET 27 E

FILE NAME : S:\PROJECTS\C22010 - COLUMBIA COUNTY CAMBRIA HIGHWAY SHOP\DESIGN\C22010_DESIGN.DWG
LAYOUT NAME - (2)

PLOT DATE : 1/25/2016 2:23 PM PLOT BY : BALLWEG,THOMAS PLOT NAME : PLOT SCALE : 1 IN:10 FT

WISDOT/CADDS SHEET 49

END PROJECT
STA. 11+75.44
MATCH EXISTING



PROJECT NO: 6707-02-81	NON HWY: SALT STORAGE FACILITY	COUNTY: COLUMBIA	CROSS SECTIONS: FOR INFORMATION ONLY	SHEET 28	E

Notes

Wisconsin Department of Transportation

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through innovation and exceptional service.

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