



Wisconsin Department of Transportation

January 7, 2016

Division of Transportation Systems Development

Bureau of Project Development
 4802 Sheboygan Avenue, Rm 601
 P O Box 7916
 Madison, WI 53707-7916

Telephone: (608) 266-1631
 Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Proposal #11: 1177-11-70, WISC 2016 009
Tomahawk - Minocqua
Rocky Run Road to CTH Y
USH 51
Oneida County

Letting of January 12, 2016

This is Addendum No. 02, which provides for the following:

Special Provisions

Revised Special Provisions	
Article No.	Description
3	Prosecution and Progress
6	Utilities

Schedule of Items

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
201.0105	Clearing	STA	482	-182	300
201.0205	Grubbing	STA	482	-182	300
305.0120	Base Aggregate Dense 1 ¼-Inch	Ton	150,303.6	6,749.70	157,333.3
511.1200.01	Temporary Shoring (B-43-61)	SF	6,410	3,465	9,875
603.8000	Concrete Barrier Temporary Precast Delivered	LF	22,976.5	700	23,676.5
603.8125	Concrete Barrier Temporary Precast Installed	LF	25,328	700	26,028
643.0200.01	Traffic Control Surveillance and Maintenance (1177-11-70)	Day	488	120	608
643.0300	Traffic Control Drums	Day	52,916	2,950	55,866
643.0900	Traffic Control Signs	Day	10,932	20,816	31,748

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
614.0905	Crash Cushions Temporary	Each	0	1	1

Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
15	Construction Details (CBTP and additional temp shoring added along with notes)
42-52	Utility Conflict Matrix (Corrective Action Items have all been updated)
205	Miscellaneous Quantities (Clearing and Grubbing updated)
208	Miscellaneous Quantities (Temp Shoring increased)
211	Miscellaneous Quantities (Base Agg 1-1/4" updated)
218	Miscellaneous Quantities (Traffic Control - Additional Locations added, quantities increased)
266	Profile name corrected
270	Profile name corrected
733	X-Section datum surface corrected
734	X-Section datum surface corrected
737	X-Section datum surface corrected, unnecessary x-sections removed
738	X-Section datum surface corrected
741	X-Section datum surface corrected
742	X-Section datum surface corrected
744	X-Section datum surface corrected
749	X-Section datum surface corrected, unnecessary x-sections removed
752	X-Section datum surface corrected

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
200A	Traffic Control: Width Restriction Advanced Warning (width restriction signing added to plan to comply with Design Standards on available lane widths)
312A-E	SDD – Crash Cushion/Sand Barrel Array and other Temporary Barrier Layout Details
777A-E	Cross Sections : Frost Bite Trail Temporary (x-sections were added to plan to demonstrate to contractor how to construct temporary road)

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 02

1177-11-70

January 7, 2016

Special Provisions

3. Prosecution and Progress

*Replace paragraph three under section titled **Project Phases** with the following:*

Multiple phases and stages cannot occur concurrently unless specifically designated in special provisions or plan.

*Replace paragraph two and three under section titled **Northern Long-eared Bat (Myotis Septentrionalis)** with the following:*

In order to avoid adverse impacts upon the NLEBs, no clearing within the identified clearing and grubbing limits will be allowed from April 1 to September 30, both dates inclusive.

If the required clearing is not completed by March 31, the department will suspend all clearing and associated work directly impacted by clearing. The department will issue a notice to proceed with clearing and associated work directly impacted by clearing after consulting with the United States Fish and Wildlife Service (USFWS).

6. Utilities

Replace entire article language with the following:

This contract comes under the provision of Administrative Rule Trans 220. 107-065 (20080501)

This contract implements a project initiative sponsored by the Federal Highway Administration, entitled Every Day Counts (EDC). This EDC project initiative is designed to identify and deploy new techniques in utility coordination aimed at shortening the project delivery and assist construction activities.

This contract has been selected by the Wisconsin Department of Transportation as a pilot project for the implementation of EDC and includes the following technique in utility coordination:

1. UTILITY CONFLICT MATRIX (Section 2)

The UTILITY DETAIL and the UTILITY CONFLICT MATRIX reflect a joint effort between the designer and each effected utility to identify potential utility conflicts between the existing utility facility and the contract highway improvement.

The locations of the existing utility facilities as shown on the Plan Sheets are approximate. There may be other utility installations in the project area that are not shown on the plan sheets.

The locations of new and relocated utility facilities are not shown on the plan sheets. Additional detailed information regarding the relocation of, addition of, removal of, and discontinuance of utility facilities is available in the work plan provided by each utility company or on the permits issued to them. Contact Chris Peplinski, WisDOT North Central utility engineer, at 715-421-8374 or Christopher.Peplinski@dot.wi.gov to receive a copy.

Frontier Communications of Wisconsin LLC

Frontier Communications has underground and overhead facilities located throughout the project limits.

Underground facilities typically are near the existing right of way line and will be relocated during construction.

At various locations as shown in the UTILITY CONFLICT MATRIX Frontier Communications will work with the contractor to adjust facilities. Notify Frontier Communications as noted in the UTILITY CONFLICT MATRIX.

The utility contact is Calvin Klade at (715) 847-1525

Wisconsin Public Service Corporation

WPS has underground and overhead facilities located throughout the project limits. These facilities will be relocated prior to construction

The utility contact is Clayton Vircks at (715) 848-7317

Schedule of Items

Attached, dated January 7, 2016, are the revised Schedule of Items Pages 1 – 16.

Plan Sheets

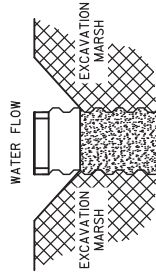
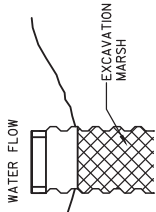
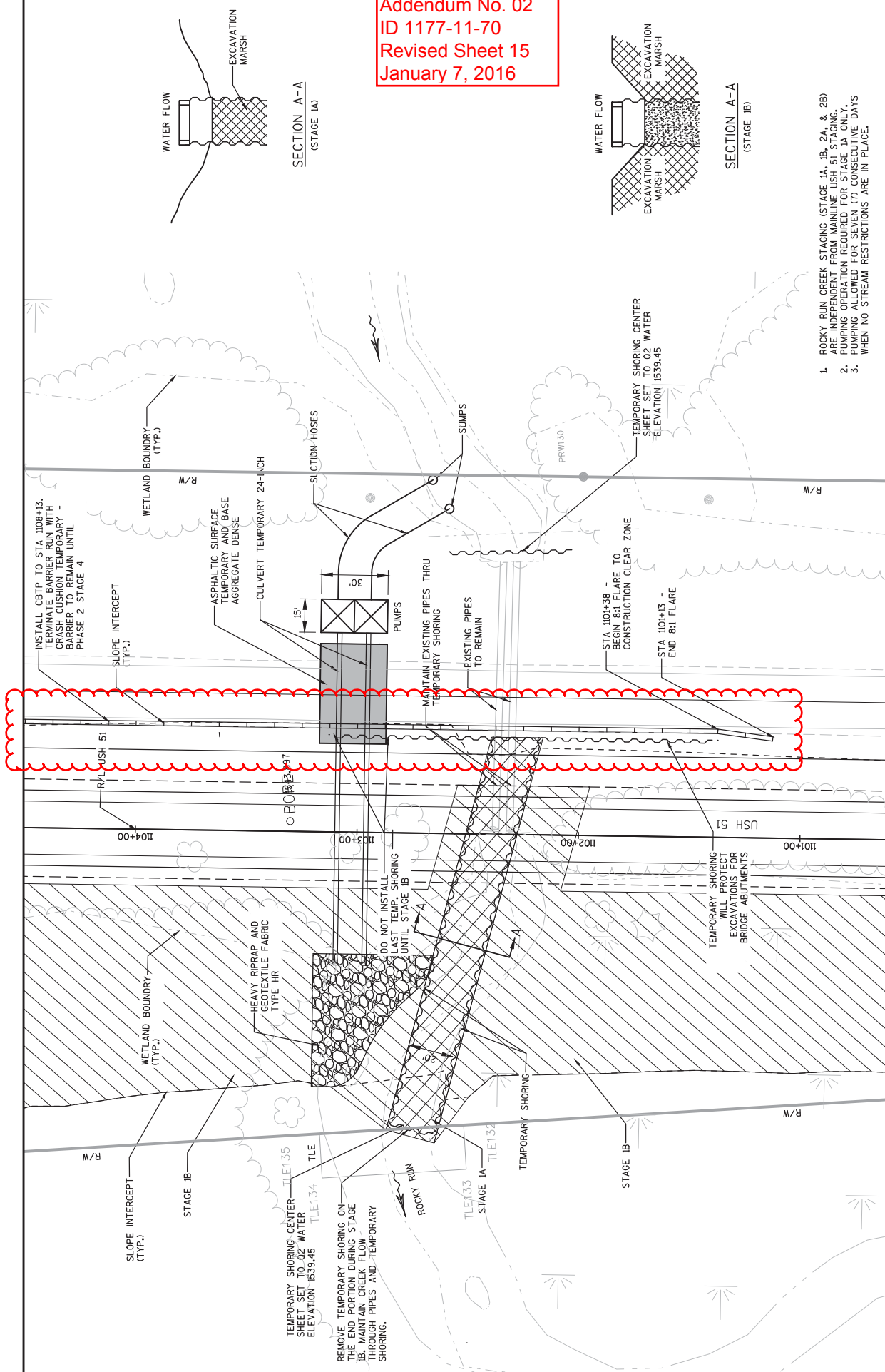
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 15, 42-52, 205, 208, 211, 218, 266, 270, 733, 734, 737, 738, 741, 742, 744, 749, and 752.

Added: 200A, 312A-E, and 777A-E.

END OF ADDENDUM

Addendum No. 02
ID 1177-11-70
Revised Sheet 15
January 7, 2016



1. ROCKY RUN CREEK STAGING (STAGE 1A, 1B, 2A, & 2B) ARE INDEPENDENT FROM MAINLINE USH 51 STAGING. DURING OPERATION, EXCAVATION MARSH SHALL ONLY BE OPENED FOR STAGING FOR 7 CONSECUTIVE DAYS.
2. WHEN NO STREAM RESTRICTIONS ARE IN PLACE.

INSTALL CBTP TO STA 1108+13. TERMINATE BARRIER RUN WITH CRASH CUSHION TEMPORARY BARRIER TO REMAIN UNTIL PHASE 2 STAGE 4

SLOPE INTERCEPT (TYP.)

WETLAND BOUNDARY (TYP.)

R/W

ASPHALTIC SURFACE TEMPORARY AND BASE AGGREGATE DENSE

CULVERT TEMPORARY 24-INCH

SUCTIION HOSES

PUMPS

SUMPS

EXISTING PIPES TO REMAIN

MANTAIN EXISTING PIPES THRU TEMPORARY SHORING

TEMPORARY SHORING CENTER SHEET SET TO 02 WATER ELEVATION 1539.45

STA 1101+38 - BEGIN 8ft FLARE TO CONSTRUCTION CLEAR ZONE

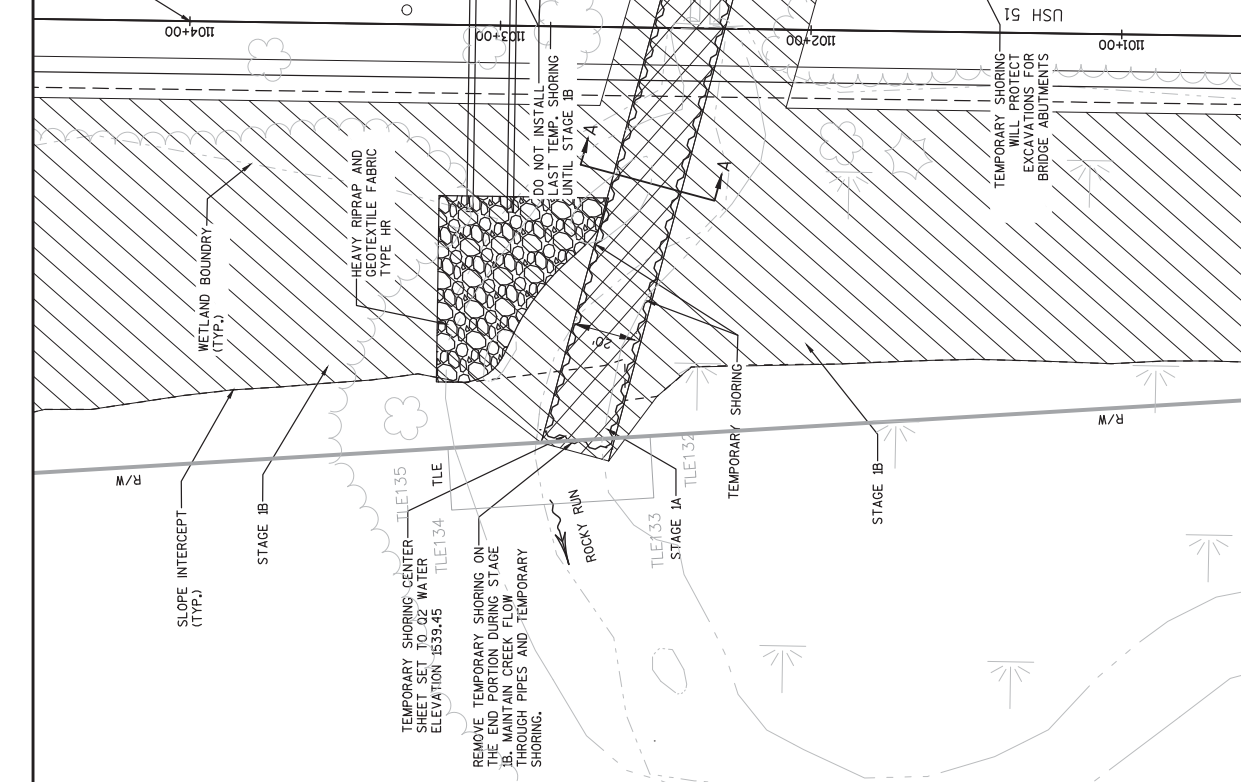
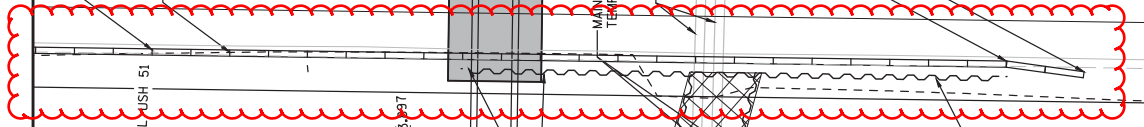
STA 1101+13 - END 8ft FLARE

R/W

WETLAND BOUNDARY (TYP.)

SLOPE INTERCEPT (TYP.)

R/W



SLOPE INTERCEPT (TYP.)

WETLAND BOUNDARY (TYP.)

R/W

HEAVY RIPRAP AND GEOTEXTILE FABRIC TYPE HR

TEMPORARY SHORING CENTER SHEET SET TO 02 WATER ELEVATION 1539.45

REMOVE TEMPORARY SHORING ON THE END PORTION DURING STAGE 1B. MANTAIN CREEK FLOW THROUGH PIPES AND TEMPORARY SHORING.

DO NOT INSTALL LAST TEMP. SHORING UNTIL STAGE 1B

TEMPORARY SHORING

STA 1101+38 - BEGIN 8ft FLARE TO CONSTRUCTION CLEAR ZONE

STA 1101+13 - END 8ft FLARE

R/W

WETLAND BOUNDARY (TYP.)

SLOPE INTERCEPT (TYP.)

R/W

TEMPORARY SHORING WILL PROTECT EXCAVATIONS FOR BRIDGE ABUTMENTS

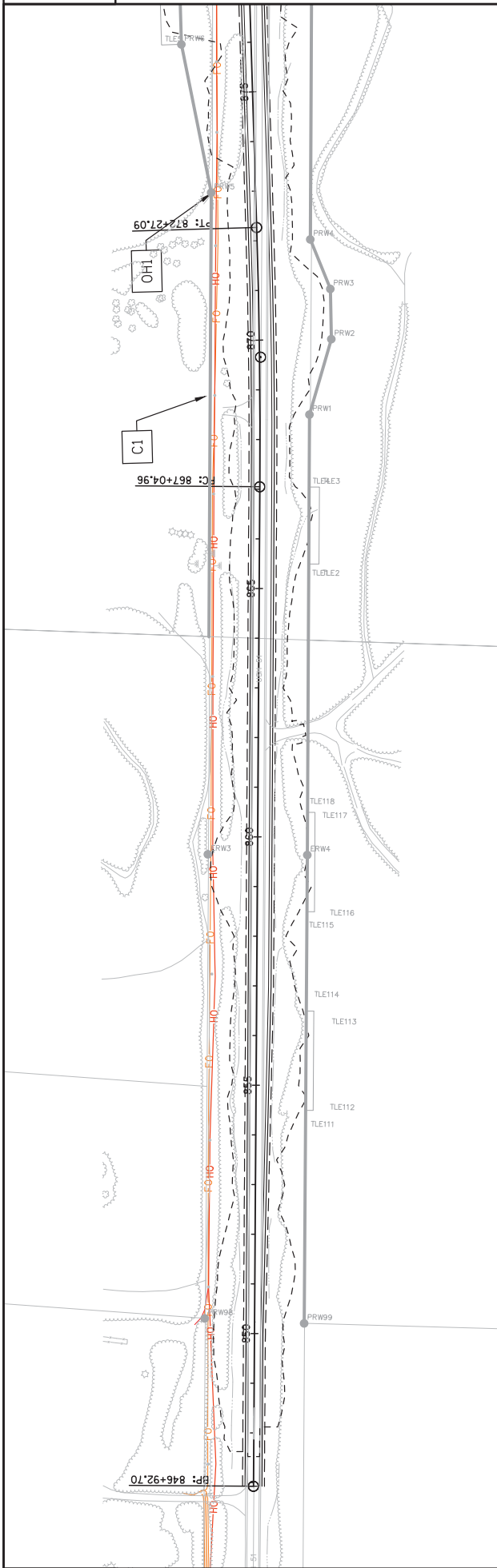
USH 51

1101+00

1102+00

1103+00

1104+00



UTILITY CONFLICT REPORT

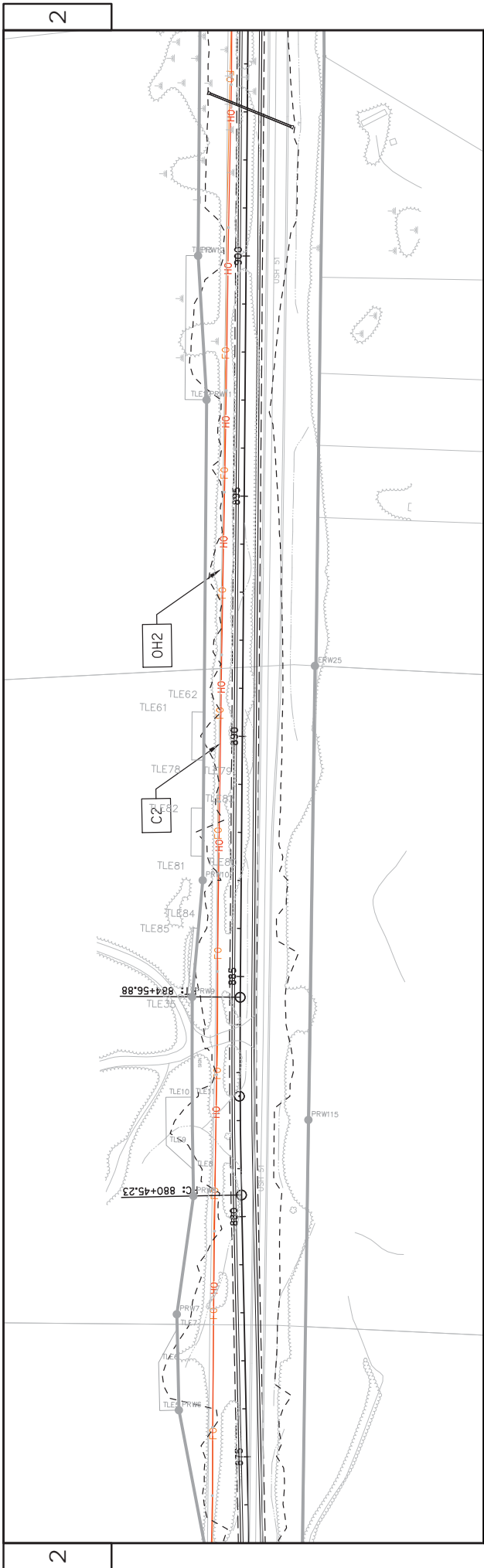
Conflict ID	Utility	Facility Type	Roadway	FROM		TO		May Be in Conflict With:	In Conflict?	Vented in Place?	If Vented Products or Haz Mat	PRIOR to WSDOT Construction	DURING WSDOT Construction	Anticipated Working Days	Site Prep Required by WSDOT OR	Relocating Jointly With:	Additional Information
				Station	Offset	Station	Offset										
OHI	WPS Electric	OH Line	USH 51	859+00	Left	874+00	Left	Grading	Yes	No - Remove	Yes	Yes	2	8/15/2015	NA	Remove OH Electric on west side of USH 51	FOC must be replaced splice to Splice to avoid outages
C1	Frontier Communications	UG line	USH 51	859+00	Left	874+00	Left	Grading	Yes	Yes	No	No	Yes	5	Need N/W Staked East side. Need station staked at crossing.		

1 - Utilities are ultimately responsible for identifying conflicts. As a courtesy, WSDOT has provided this list of potential conflicts. Do NOT assume the list is accurate or complete.

2 - Please include ONLY the time your workers will be ON SITE. When utility work is dependent on work performed by WSDOT's contractor, WSDOT instructs the contractor to provide a good faith notice to both the construction engineer and the affected utility 14 to 16 calendar days prior to the site being ready for utility work. In addition, WSDOT instructs the contractor to provide a confirmation notice to the construction engineer and the utility 3 to 5 working days before the site will be ready for the utility to begin work. This confirmation notice is intended to provide time for Diggers Hotline locates and utility mobilization. Site isn't ready until clearing and grubbing is complete.

3 - Working Days based on 1 crew performing work. It is estimated that it will take Frontier approximately 25 working days to complete work from STA 846+02 to STA 915+00.

Addendum No. 02
 ID 1177-11-70
 Revised Sheet 42
 January 7, 2016



UTILITY CONFLICT REPORT

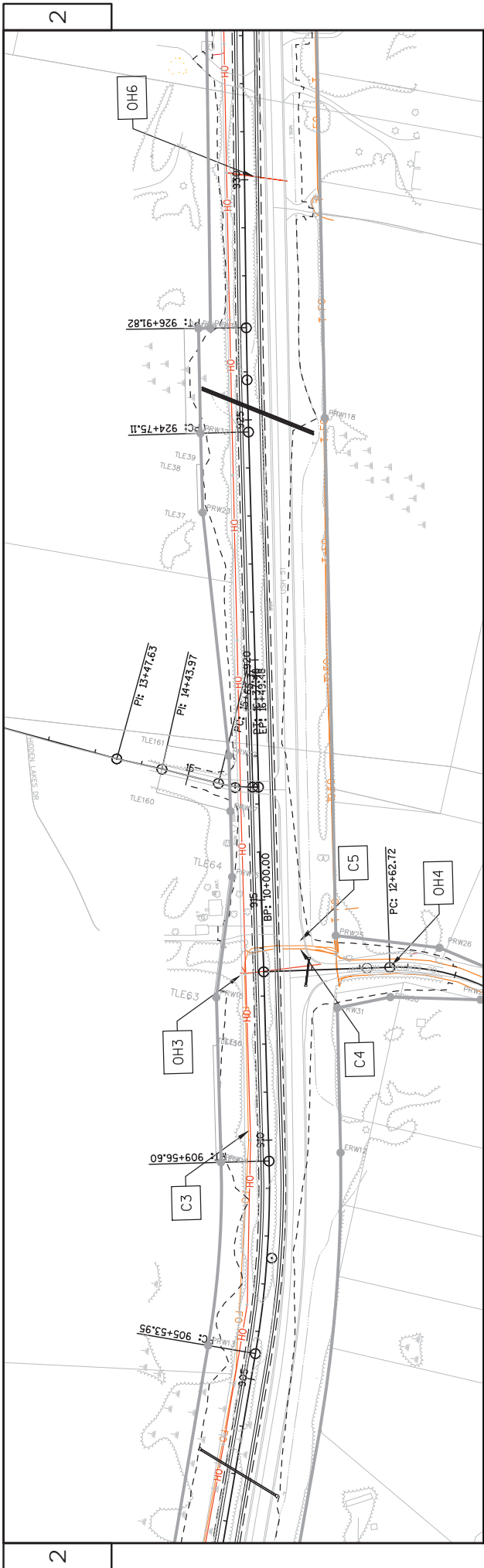
Conflict ID	Utility	Facility Type	Roadway	FROM		TO		May Be in Conflict With:	In Conflict?	Vacated in Place?	If Vacated, Products or Haz Mat	PRIOR to WSDOT Construction?	DURING WSDOT Construction?	Anticipated Working Days	Site Prep Required by WSDOT OR	Relocating Jointly With:	Additional Information
				Station	Offset	Station	Offset										
OH2	WFS Electric	OH Line	USH 51	876+00	Left	904+00	Left	Grading	Yes	No	Yes	Yes	2	8/15/2015	NA	Remove OH Electric on West side of USH 51 Same as CI and C3	
C2	Frontier Communications	UG line	USH 51	876+00	Left	904+00	Left	Grading	Yes	Yes	No	No	5	WSDOT Stake R/W	NA		

1 - Utilities are the responsibility of the utility owner. As a contractor, WSDOT has provided the utility locations for informational purposes only. It is the contractor's responsibility to verify the utility locations and depths before construction. Do NOT assume the utility locations are correct.

2 - Please include ONLY the time your workers will be ON SITE. When utility work is dependent on work performed by WSDOT's contractor, WSDOT instructs the contractor to provide a good faith notice to both the construction engineer and the affected utility 14 to 16 calendar days prior to the site being ready for utility work. In addition, WSDOT instructs the contractor to provide a confirmation notice to the construction engineer and the utility 3 to 5 working days before the site will be ready for the utility to begin work. This confirmation notice is intended to provide time for Diggers Hotline locales and utility mobilization. Site isn't ready until cleaning and grubbing is complete.

3 - Working Days based on 1 crew performing work. It is estimated that it will take Frontier approximately 25 working days to complete work from STA 846+02 to STA 915+00.

Addendum No. 02
 ID 1177-11-70
 Revised Sheet 43
 January 7, 2016



UTILITY CONFLICT REPORT

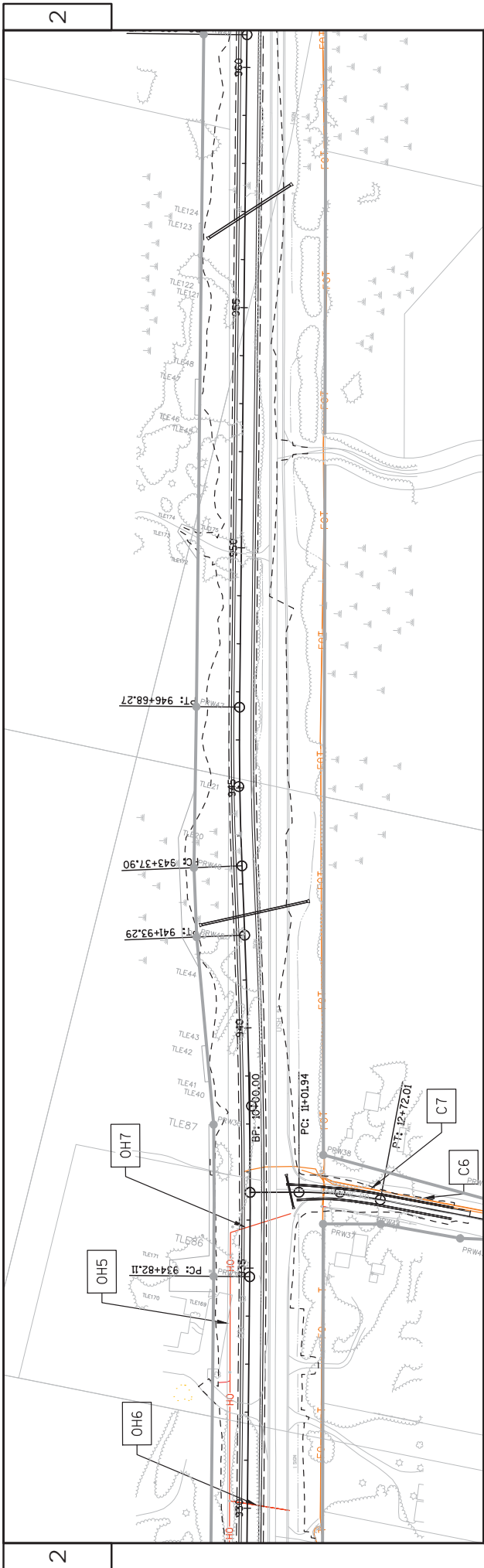
Conflict ID	Utility	Facility Type	Roadway	FROM		TO		May Be in Conflict With:	In Conflict?	Vacated in Place?	If Vacated, Products or Haz Mat	PRIOR to WISDOT Construction	DURING WISDOT Construction	Anticipated Working Days	Site Prep Required by WisDOT OR	Relocating Jointly With:	Additional Information
				Station	Offset	Station	Offset										
OH3	WPS Electric	OH Line	USH 51	904+00	Left	932+00	Left	Roadway and Grading	Yes	No - Remove	No	Yes	Yes	2	8/15/2015	NA	Remove OH Electric on West side of USH 51
OH4	WPS Electric	OH Line	Jackson Heights Road	10+00	Left	14+00	Left	Cutting Road Profile	Yes	No	Yes	Yes	2	8/15/2015	NA	Remove OH Electric on west side of USH 51	
C3	Frontier Communications	UG line	USH 51	904+00	Left	914+00	Left	Roadway and Grading	Yes	Yes	No	No	5	Same as C1	NA	place on east side	
C4	Frontier Communications	UG line	Jackson Heights	10+00	Right	14+00	Right	Cutting Road Profile	Yes	Yes	No	No	5	Need PRW cleared	NA	And Staked	
C5	Frontier Communications	UG line	Jackson Heights	10+00	Right	14+00	Left	Cutting Road Profile	Yes	Yes	No	No	5	Need PRW cleared	NA	Replaced feed at 918+10	

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3 - Working Days based on 1 crew performing work. It is estimated that it will take Frontier approximately 25 working days to complete work from STA 846+02 to STA 915+00.

Addendum No. 02
ID 1177-11-70
Revised Sheet 44
January 7, 2016



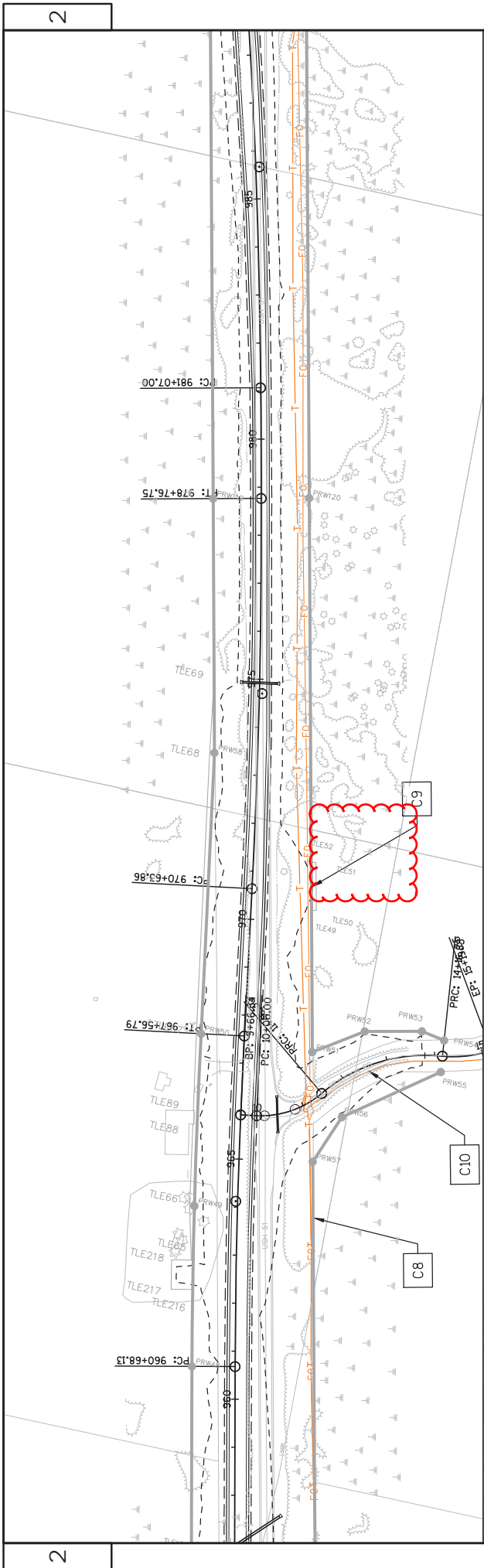
UTILITY CONFLICT REPORT

Conflict ID	Utility	Facility Type	Roadway	FROM		TO		May Be In Conflict With:	In Conflict?	Vacated in Place?	If Vessels, Products or Haz. Mat.	PRIOR to WisDOT Construction	DURING WisDOT Construction	Anticipated Working Days	Site Prep Required by WisDOT OR	Relocating Utility With:	Additional Information
				Station	Offset	Station	Offset										
O-H5	WFS Electric	OH Line	USH 51	932+00	Left	895+00	Left	Grading	Yes	No - Remove	No	Yes	2	8/15/2015			Relocate OH electric south R/W of Jackson Heights Rd.
O-H6	WFS Electric	OH Line	USH 51	930+00	Crossing	--	--	Roadway and Grading	Yes	No	Yes	Yes	1	8/15/2015			Replace pole at left offset-crossing to remain
O-H7	WFS Electric	OH Line	USH 51	936+00	Crossing	--	--	Roadway and Grading	Yes	No - Remove	Yes	Yes	1	8/15/2015			Electric crossing to be removed
C6	Frontier Communications	UG line	Oak Ridge Road	11+00	Left	14+00	Left	Cutting Road Profile	Yes	Yes	No	No	5	R/W staked 929RT-936RT			
C7	Frontier Communications	UG line	Oak Ridge Road	10+00	Left	14+00	Left	Cutting Road Profile	Yes	Yes	No	No	5	R/W staked 929RT-936RT			

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Addendum No. 02
ID 1177-11-70
Revised Sheet 45
January 7, 2016

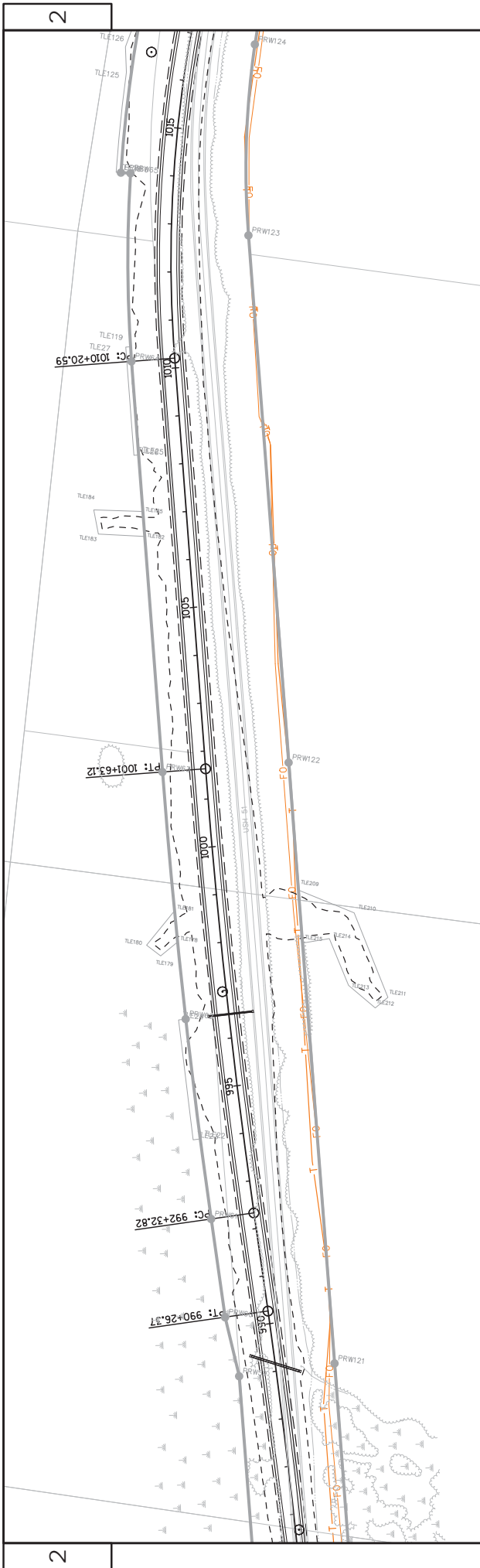


UTILITY CONFLICT REPORT

Conflict ID	Utility	Facility Type	Roadway	FROM Station	TO Station	Offset	May Be In Conflict With:	In Conflict?	Vegetated in Place?	/ Vegetated Products or Haz Mat	PRIOR to W-DOOT Construction	DURING W-DOOT Construction	Anticipated Working Days to Complete	Site Prep Required by W-DOOT OR (If no prep) Anticipated Start Date	Relocating / Amay With	Additional Information
C8	Frontiers Communications	UG line	USH 51	965+00	972+00	Right	Grading	Yes	Yes	No	No	Yes	5	PR/W clearing and marking	NA	New cable will be placed tight To R/W. Requesting 72 hrs notice. Will work with contractor.
C9	Frontiers Communications	UG line	USH 51	965+00	972+00	Right	Grading	Yes	Yes	No	No	Yes	5	PR/W clearing and marking	NA	New cable will be placed tight To R/W. Requesting 72 hrs notice. Will work with contractor.
C10	Frontiers Communications	UG line	Little Bearskin Road	11+00	14+00	Right	Cutting Road Profile	Yes	Yes	No	No	Yes	5	PR/W clearing and marking	NA	New cable will be placed tight To R/W. Requesting 72 hrs notice. Will work with contractor.

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 2 - Please include ONLY the line your workers will be ON SITE. When utility work is dependent on work performed by W-DOOT's contractor, W-DOOT instructs the contractor to provide a good faith notice to both the construction engineer and the affected utility 14 to 18 calendar days prior to the site being ready for utility work. In addition, W-DOOT instructs the contractor to provide a confirmation notice to the construction engineer and the utility 3 to 5 working days before the site will be ready for the utility to begin work. This confirmation notice is intended to provide time for Diggers Hotline locates and utility notification. Site isn't ready until clearing and grubbing is complete.

Addendum No. 02
 ID 1177-11-70
 Revised Sheet 46
 January 7, 2016



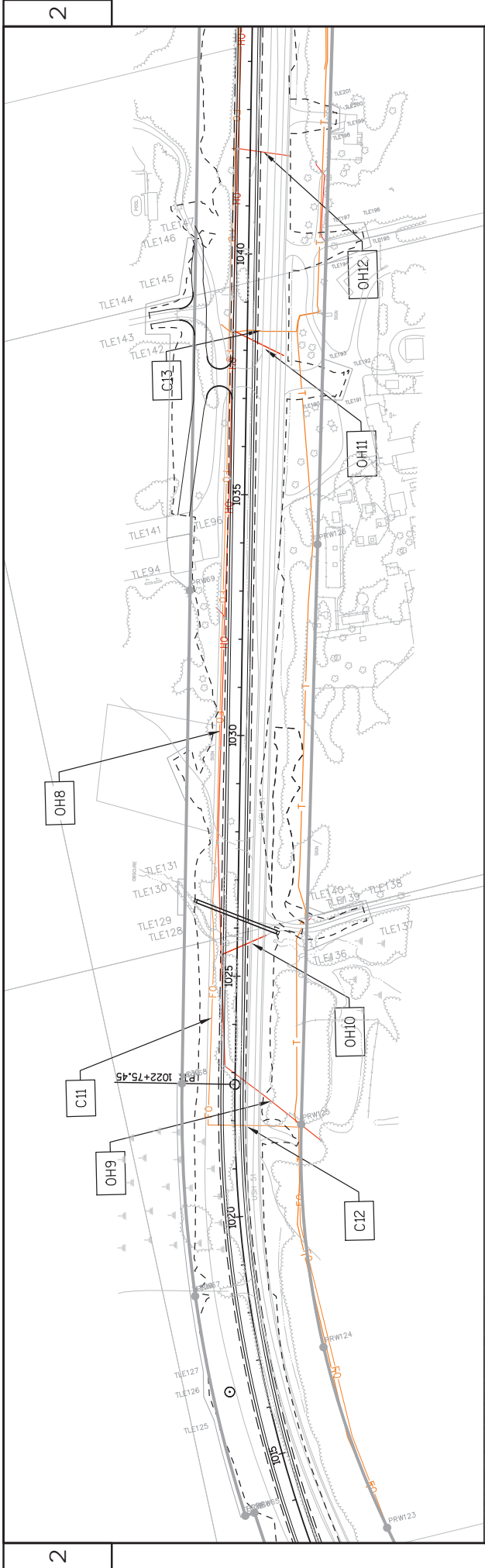
UTILITY CONFLICT REPORT

CONFLICT ID	Utility Type	FROM Station	TO Station	FROM Offset	TO Offset	In Conflict?	If Vacated, Proposed or Haz Mat	PRIOR to WisDOT Construction	DURING WisDOT Construction	Anticipated Working Days to Complete	CORRECTIVE ACTION (determined by utility)	
											Site Prep Required by WisDOT	Site Prep Anticipated Start Date
											See existing information.	Jointly With:

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Addendum No. 02
ID 1177-11-70
Revised Sheet 47
January 7, 2016



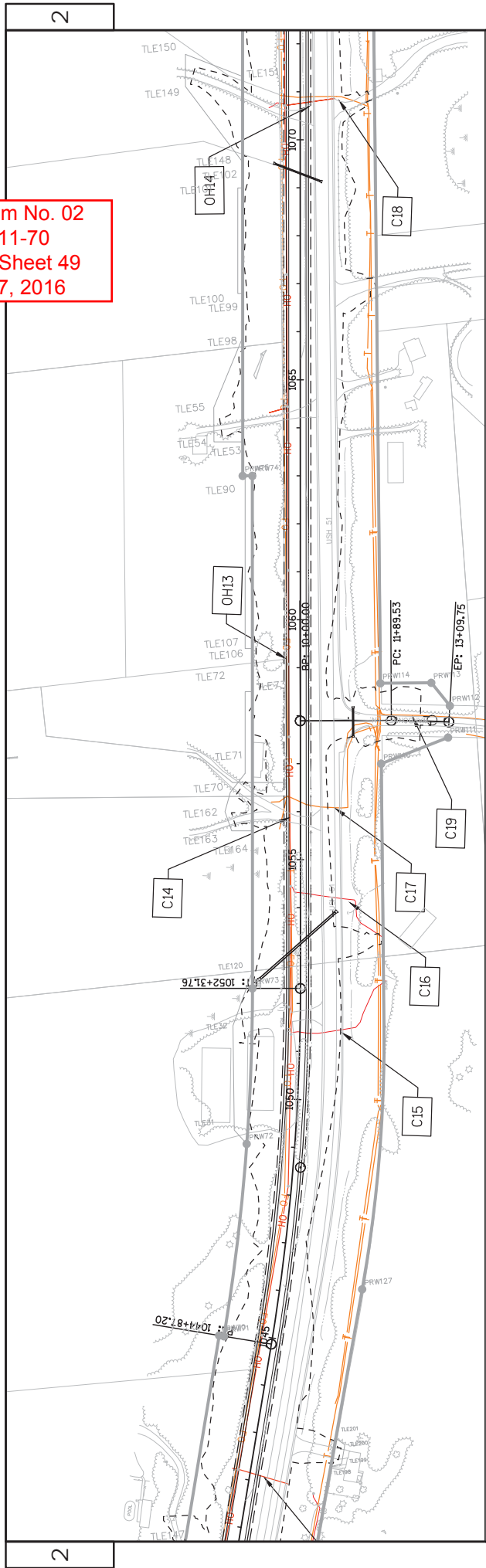
UTILITY CONFLICT REPORT

Conflict ID	Utility	Activity Type	FROM		TO		In Conflict?	If Avoided, Proceeds or Haz Mat	PRIOR to WISDOT Construction	DURING WISDOT Construction	UTILITY WORK SCHEDULE		Relocating Jointly With:	Additional Information
			Station	Offset	Station	Offset					Anticipated Working Days to Complete*	Site Prep Required by WisDOT (if no prep) Anticipated Start Date		
OH8	WPS Electric	OH Line	USH 51	1023+00	Left	1041+00	Yes	No-Remove	Yes	Yes	2	11/16/2015	NA	Remove OH Electric on west side of USH 51
OH9	WPS Electric	OH Line	USH 51	1022+50	Crossing	---	Yes	No-Remove	Yes	Yes	1	11/16/2015	NA	Electric crossing to be removed
OH10	WPS Electric	OH Line	USH 51	1025+50	Crossing	---	Yes	No-Remove	Yes	Yes	1	11/16/2015	NA	Electric crossing to be removed
OH11	WPS Electric	OH Line	USH 51	1038+50	Crossing	---	Yes	No-Remove	Yes	Yes	1	11/16/2015	NA	Electric crossing to be removed
OH12	WPS Electric	OH Line	USH 51	1042+00	Crossing	---	Yes	No-Remove	Yes	Yes	1	11/16/2015	NA	Relocate poles at left and right offsets--crossing to remain over US51
C11	Frontier Communications	UG line	USH 51	1022+00	Left	1044+00	Yes	Yes	No	No	14	Need R/W staked	NA	
C12	Frontier Communications	UG line	USH 51	1022+00	Crossing	---	Yes	Yes	No	No	14	Need R/W staked	NA	
C13	Frontier Communications	UG line	USH 51	1038+50	Crossing	---	Yes	Yes	Yes	Yes	4	will need PRW cleared at 1039+00	NA	

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Addendum No. 02
 ID 1177-11-70
 Revised Sheet 48
 January 7, 2016

Addendum No. 02
 ID 1177-11-70
 Revised Sheet 49
 January 7, 2016



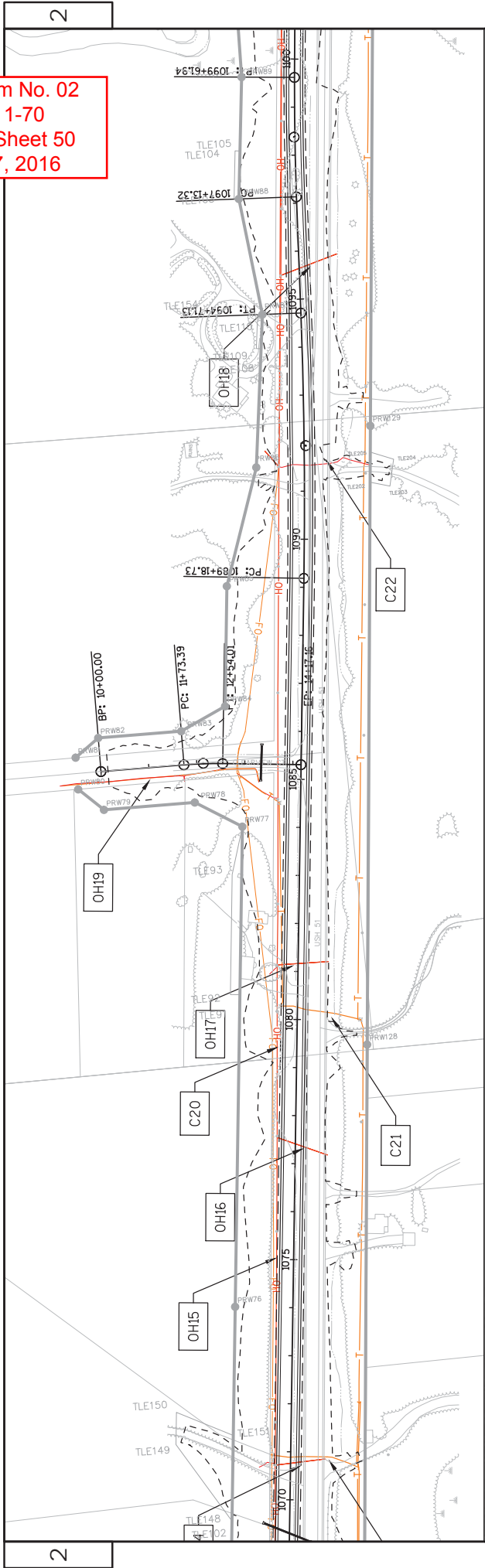
UTILITY CONFLICT REPORT

Conflict ID	Utility	Facility Type	Roadway	FROM		TO		May Be In Conflict With:	In Conflict?	Vacated in Place?	If Vacated, Products or Haz Mat	PRIOR to WSDOT Construction	DURING WSDOT Construction	Anticipated Working Days to Complete	Site Prep Required by WisDOT OR (If No Prep, Anticipated Start Date)	Relocating Joints, With:	Additional Information
				Station	Offset	Station	Offset										
OH13	WPS Electric	OH Line	USH 51	1041+00	Left	1072+40	Left	Roadway and Grading	Yes	No - Remove	Yes	Yes	3	11/16/2015	NA	Remove OH Electric on west side of USH 51	
OH14	WPS Electric	OH Line	USH 51	1071+00	Crossing	---	---	Roadway and Grading	Yes	Yes - 67' UG elec.	Yes	Yes	2	10/15/2015	NA	Relocate pole at left offset to R/W edge, maintain OH elec crossing, relocate UG elec. At left offset-see work plan sketches-pole location 3806-2787	
C14	Frontier Communications	UG line	USH 51	1044+00	Left	1072+40	Left	Roadway and Grading	Yes	Y	No	No	4	use care when burying peds	NA	Requesting 72 hrs notice	
C15	WPS Electric	UG line	USH 51	1056+00	Crossing	---	---	Topsoil Shipping	Yes	No - Remove	Yes	Yes	3	11/16/2015	NA	Remove OH Electric on west side of USH 51	
C16	WPS Electric	UG line	USH 51	1071+00	Crossing	---	---	Cutting Road Profile	Yes	No - Remove	Yes	Yes	1	11/16/2015	NA	Electric crossing to be removed	
C17	Frontier Communications	UG line	USH 51	1056+00	Crossing	---	---	Roadway and Grading	Yes	Yes	No	No	4	use care if ex req	NA	Requesting 72 hr notice	
C18	Frontier Communications	UG line	USH 51	1071+00	Crossing	---	---	Roadway and Grading	Yes	Yes	No	No	4	Stake at R/W for slope offset	NA	Cells need to lower ped during grading	
C19	Frontier Communications	UG line	Wabonnet Lane	11+50	Left	13+00	Left	Grading	Yes	Yes	No	No	4	PR/W staked and cleared	NA		

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Addendum No. 02
 ID 1177-11-70
 Revised Sheet 50
 January 7, 2016



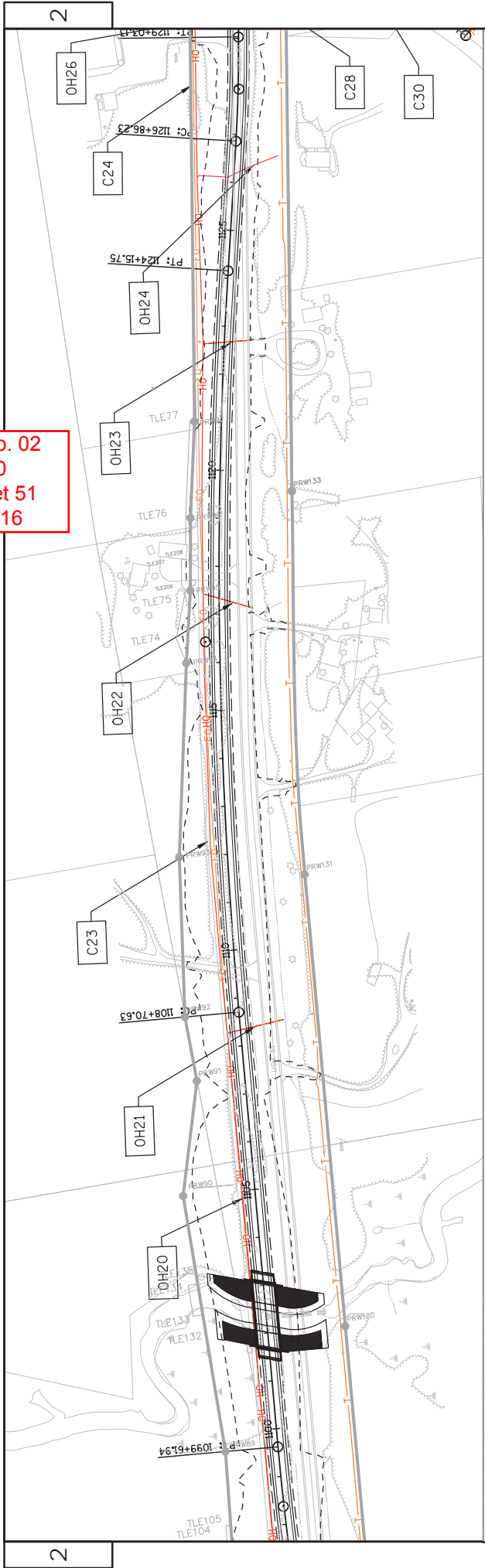
UTILITY CONFLICT REPORT

Conflict ID	Utility	Facility Type	Roadway	FROM		TO		May Be In Conflict With:	In Conflict?	Vacated in Places?	If Vacated, Products or Uses Affected	PRIOR to WISDOT Construction	DURING WISDOT Construction	Anticipated Working Days to Complete	Site Prep Required by WisDOT OR (if no prep) Anticipated Start Date	Relocating Utility	Additional Information
				Station	Offset	Station	Offset										
OH15	WPS Electric	OH Line	USH 51	1072+00	Left	1100+00	Left	Roadway and Grading	Yes	No-Remove		Yes		3	11/16/2015	NA	Remove OH Electric on West side of USH 51
OH16	WPS Electric	OH Line	USH 51	1077+50	Crossing	---	---	Roadway and Grading	Yes	No-Remove	Yes	Yes	1	11/16/2015	NA	Electric crossing to be removed	
OH17	WPS Electric	OH Line	USH 51	1081+00	Crossing	---	---	Roadway and Grading	Yes	No-Remove	Yes	Yes	1	11/16/2015	NA	Electric crossing to be removed	
OH18	WPS Electric	OH Line	USH 51	1095+50	Crossing	---	---	Roadway and Grading	Yes	No-Remove	Yes	Yes					This is a Frontier Phone crossing
OH19	WPS Electric	OH Line	Clearview Court	10+00	Right	13+50	Left	Grading	Yes	Yes	No	Yes	4	10/15/2015	Frontier possibly	US electric to be relocated to south R/W of Clearview Ct. Tree clearing needed.	
C20	Frontier Communications	UG line	USH 51	1072+00	Left	1100+00	Left	Roadway and Grading	Yes	Yes	No	Yes		Same fiber as C1 same R/W staking req			Picking up joint on West side for Clearview ct
C21	Frontier Communications	UG line	USH 51	1080+00	Crossing	---	---	Cutting Road Profile	Yes	Yes	No	Yes	4		WFS Possibly		
C22	Frontier Communications	UG line	USH 51	1091+50	Crossing	---	---	Roadway and Grading	Yes	Yes	No	Yes	1		WFS Possibly		Service drop

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Addendum No. 02
 ID 1177-11-70
 Revised Sheet 51
 January 7, 2016



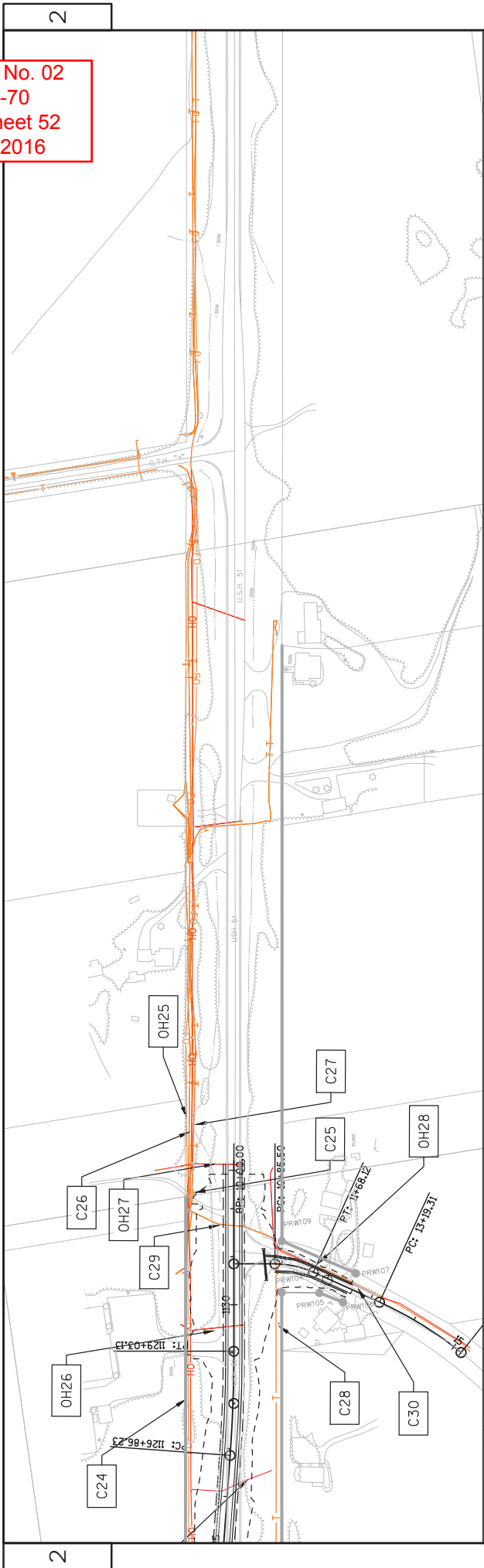
UTILITY CONFLICT REPORT

Conflict ID	Utility	Facility Type	Roadway	FROM		TO		May Be In Conflict With:	In Conflict?	Vacated in Plans?	// Vacated, Products or Haz Mat	PRIOR to WisDOT Construction	DURING WisDOT Construction	Anticipated Working Days to Complete	Site Prep Required by WisDOT (if no prep) Anticipated Start Date	Relocating Utility	Additional Information
				Station	Offset	Station	Offset										
OH20	WPS Electric	OH Line	USH 51	1100+00	Left	1127+00	Left	Roadway and Grading	Yes	No - Remove	Yes	Yes	3	11/30/2015	NA	Remove OH pole at left offset 1100+00 to 1124+68	
OH21	WPS Electric	OH Line	USH 51	1108+50	Crossing	---	---	Roadway and Grading	Yes	N	Yes	Yes	2	11/30/2015	NA	Replace pole 380R-2/E4 at left offset, install pole at right offset-crossing to remain.	
OH22	WPS Electric	OH Line	USH 51	1117+50	Crossing	---	---	Roadway and Grading	Yes	No - Remove	Yes	Yes	1	11/16/2015	NA	Electric crossing to be removed	
OH23	WPS Electric	OH Line	USH 51	1124+50	Crossing	---	---	Roadway and Grading	Yes	No	Yes	Yes	1	11/16/2015	NA	Pole 380E-22/14 at left offset to remain-new pole at right offset-crossing to remain.	
OH24	WPS Electric	OH Line	USH 51	1128+00	Crossing	---	---	Roadway and Grading	Yes	Yes	Yes	Yes	1	10/30/2015	NA	UG electric service crossing US 51 serving address 9721 Blue Lake Rd to be discontinued between R/W lines of US51. New source at east US51 R/W to be installed.	
C23	Frontier Communications	UG line	USH 51	1100+00	Left	1128+00	Left	Roadway and Grading	Yes	Yes	No	No	Yes	Staking as with CI			

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Addendum No. 02
 ID 1177-11-70
 Revised Sheet 52
 January 7, 2016



UTILITY CONFLICT REPORT

Conflict ID	Utility	Facility Type	Roadway	FROM		TO		May Be In Conflict With:	In Conflict?	Vacated in Place?	If Tested Products or Materials Used?	PRIOR to Construction	DURING Construction	WEDOT Construction	CORRECTIVE ACTION (determined by utility)		Additional Information
				Station	Offset	Station	Offset								Anticipated Working Days	Relocating Utility	
OH25	WPS Electric	OH Line	USH 51	1127+00	Left	1135+00	Left	Grading	No	NA	No	Yes	Yes	1	12/1/2015	No	OH25 and OH26 are not applicable to this conflict. Relocating utility to the right of the existing pole. WSDOT plans to build a temporary entrance for this business, and the existing pole falls inside of the slope intercept of that proposed entrance by a distance of approximately 10 feet. Since OH25 and OH26 poles were distributed, replace pole 3806-22R16 at left offset to provide proper overhead clearance over US1.
OH26	WPS Electric	OH Line	USH 51	1129+50	Crossing	--	--	Roadway and Grading	Yes	NA	Yes	Yes	Yes	1	12/1/2015	No	NO conflict.
OH27	WPS Electric	OH Line	USH 51	1133+00	Crossing	--	--	Grading	No	NA	NA	NA	NA	NA	NA	NA	NO conflict.
OH28	WPS Electric	OH Line	South Blue Lake Road	10+85	Left	12+00	Left	Cutting Road Profile	Yes	Yes	No	Yes	Yes	4	10/15/2015	FRONTIER possibly	Relocate OH electric to one north of Blue Lake Rd. Relocating a run of the electric primary within slope intercept at left offset.
C24	Frontier Communications	UG line	USH 51	1128+00	Left	1135+00	Left	Grading	Yes	Yes	No	No	Yes	14	staking as in CI	NPS possibly	Outside of SI use caution 72 hour notice required.
C25	Frontier Communications	UG line	USH 51	1131+50	Left	1135+00	Left	Grading	No	Yes	No	No	Yes				Outside of SI use caution 72 hour notice required.
C26	Frontier Communications	UG line	USH 51	1131+50	Left	1135+00	Left	Grading	No	Yes	No	No	Yes				Outside of SI use caution 72 hour notice required.
C27	Frontier Communications	UG line	USH 51	1131+50	Left	1135+00	Left	Grading	No	Yes	No	No	Yes				Outside of SI use caution 72 hour notice required.
C28	Frontier Communications	UG line	USH 51	1131+50	Right	1131+50	Right	Cutting Road Profile	Yes	Yes	No	No	Yes		R/W Staking		Will be replaced at R/W.
C29	Frontier Communications	UG line	USH 51	1131+50	Crossing	--	--	Cutting Road Profile	Yes	Yes	No	No	Yes				Will be bored deeper.
C30	Frontier Communications	UG line	South Blue Lake Road	10+85	Left	12+00	Left	Cutting Road Profile	Yes	Yes	No	No	Yes		PI/W staked and cleared		Large trees stumping may damage cable.

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UTILITY CONFLICT MATRIX

COUNTY: ONEIDA

Hwy: USH 51

PROJECT NO: 1177-11-70

SHEET 52

FILE NAME : N:\POS\330\11771100\SHETS\PLAN\11771100 TO UTILITY PLAN VIEW\PLAN.UTILITY.NEW.DWG

LAYOUT NAME - 050166

PLOT DATE : 1/5/2016 2:33 PM

PLOT BY : VAN ASTEN, FORREST

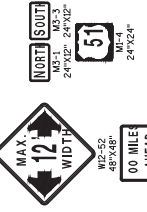
PLOT SCALE : 1:1 IN=200 FT

WSDOT/CADD SHEET 44

Addendum No. 02
 ID 1177-11-70
 Added Sheet 200A
 January 7, 2016

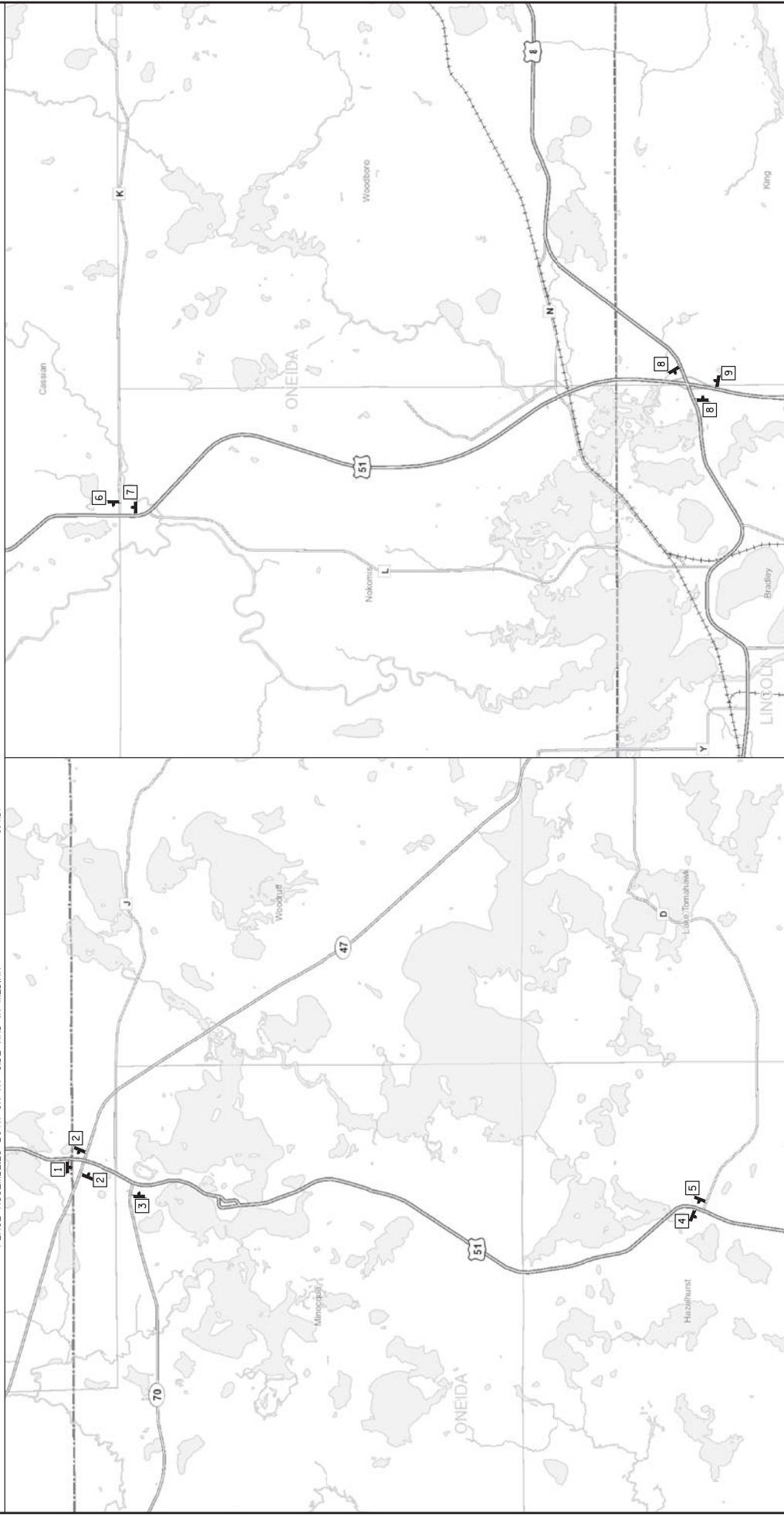
2

NOTES:
 ALL ASSEMBLIES TO BE PLACED ON NEW POSTS
 INCLUDE M1-4 AND EITHER M3-1 OR M3-2 OVER THE W12-52 AT ALL
 ASSEMBLIES NOT PLACED ON USH 51
 THE EXACT NUMBER, LOCATION, AND SPACING OF DEVICES SHALL BE
 ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.



WIDTH RESTRICTION ADVANCE WARNING:
 1: USH 51 SB @ 5TH 47 - 10 MILES
 2: 5TH 47 @ USH 51 - 10 MILES
 3: 5TH 70 EB @ USH 51 - 9 MILES
 4: USH 51 NB @ CTH 51 - 1 MILE
 5: CTH K WB @ USH 51 - 4 MILES
 6: USH 51 NB @ CTH K - 4 MILES
 7: USH 51 NB @ CTH K - 4 MILES
 8: USH 8 @ USH 51 - 12 MILES
 9: USH 51 NB* @ USH 8 - 12 MILES

*PLACE ASSEMBLIES BOTH ON RT. SIDE AND IN MEDIAN



2

Addendum No. 02
ID 1177-11-70
Revised Sheet 205
January 7, 2016

201.0105 201.0205

CLEARING GRUBBING

CLEARING AND GRUBBING

CATEGORY 10

LOCATION

LOCATION	STA	RT	STA	RT
USH 51				
STA 848+00 - STA 869+00	21	LT & RT	21	21
STA 869+00 - STA 873+00	4	RT	4	4
STA 873+00 - STA 877+00	4	LT & RT	4	4
STA 877+00 - STA 882+00	5	LT	5	5
STA 882+00 - STA 914+00	32	LT & RT	32	32
STA 914+00 - STA 916+00	2	LT	2	2
STA 916+00 - STA 919+00	2	LT	2	2
STA 919+00 - STA 932+00	13	LT & RT	13	13
STA 932+00 - STA 937+00	4	LT	4	4
STA 937+00 - STA 972+00	35	LT & RT	35	35
STA 972+00 - STA 981+00	9	LT	9	9
STA 981+00 - STA 992+00	10	LT	10	10
STA 992+00 - STA 1016+00	24	LT & RT	24	24
STA 1016+00 - STA 1030+00	14	LT	14	14
STA 1030+00 - STA 1034+00	3	LT	3	3
STA 1034+00 - STA 1048+00	13	LT	13	13
STA 1048+00 - STA 1050+00	2	LT & RT	2	2
STA 1050+00 - STA 1051+00	1	RT	1	1
STA 1051+00 - STA 1055+00	4	LT & RT	4	4
STA 1055+00 - STA 1068+00	13	LT	13	13
STA 1068+00 - STA 1070+00	2	LT & RT	2	2
STA 1070+00 - STA 1085+00	15	LT	15	15
STA 1085+00 - STA 1095+00	9	LT	9	9
STA 1095+00 - STA 1103+00	8	LT & RT	8	8
STA 1103+00 - STA 1105+00	2	LT	2	2
STA 1105+00 - STA 1107+00	2	LT & RT	2	2
STA 1107+00 - STA 1108+00	1	LT	1	1
STA 1108+00 - STA 1110+00	2	LT & RT	2	2
STA 1110+00 - STA 1114+00	4	LT	4	4
STA 1114+00 - STA 1117+00	3	LT & RT	3	3
STA 1117+00 - STA 1121+00	4	LT	4	4
STA 1121+00 - STA 1124+00	3	LT & RT	3	3
STA 1124+00 - STA 1126+00	2	LT	2	2
STA 1126+00 - STA 1133+00	7	LT & RT	7	7
JACKSON HEIGHTS ROAD				
STA 10+00 - STA 14+00	4	LT & RT	4	4
COTTAGE INN DRIVE				
STA 15+00 - STA 16+00	1	LT	1	1
OAK RIDGE ROAD				
STA 11+00 - STA 15+00	4	LT & RT	4	4
LITTLE BEARSKIN ROAD				
STA 10+00 - STA 14+00	4	LT & RT	4	4
WARBONNET LANE				
STA 11+00 - STA 13+00	2	LT & RT	2	2
CLEARVIEW CT				
STA 10+00 - STA 13+00	3	LT & RT	3	3
S. BLUE LAKE ROAD				
STA 10+00 - STA 13+00	3	LT & RT	3	3
TOAL	300		300	300

MISCELLANEOUS QUANTITIES

ONEIDA

USH 51

1177-11-70

PROJECT NO:

FILE NAME:

SHEET: 205

E

PLOT NAME:

PLOT BY:

PLOT DATE:

COUNTY:

HWY:

1177-11-70

PROJECT NO:

FILE NAME:

Addendum No. 02
 ID 1177-11-70
 Revised Sheet 208
 January 7, 2016

LOCATION	TO STA	FROM STA	STATIONS	214.0100 OBLITERATING OLD ROAD	SAWMING CONCRETE Category 10	690.0250 SAWMING CONCRETE	CURB AND GUTTER CATEGORY 10	204.0150 REMOVING CURB AND GUTTER	601.0557 CONCRETE CURB & GUTTER
USH 51									
STA 892+60	-	STA 900+00	7.4						
STA 904+30	-	STA 909+50	5.2						
STA 915+10	-	STA 924+30	9.2						
STA 939+00	-	STA 941+90	2.9						
STA 942+30	-	STA 943+80	1.5						
STA 945+00	-	STA 948+30	3.3						
STA 948+70	-	STA 951+90	3.2						
STA 952+30	-	STA 963+00	10.7						
STA 990+90	-	STA 994+10	3.2						
STA 1001+10	-	STA 1017+50	16.4						
STA 1027+30	-	STA 1031+30	4						
STA 1044+60	-	STA 1053+00	8.4						
STA 1053+50	-	STA 1057+60	4.1						
STA 1058+30	-	STA 1061+00	2.7						
STA 1083+20	-	STA 1091+90	8.7						
STA 1095+20	-	STA 1098+20	3						
STA 1099+30	-	STA 1107+20	7.9						
STA 1107+60	-	STA 1112+20	4.6						
STA 1114+70	-	STA 1116+50	1.8						
STA 1117+00	-	STA 1117+80	0.8						
STA 1118+10	-	STA 1120+70	2.6						
TOTAL			111.6						

LOCATION	LT/RT	USH 51	61	61	511.1100	511.1200	61	602	602
STA 1033+75	LT								
COMMENTS: REMAINING CONCRETE SLAB TO BE CUT 5' INSIDE ROW LINE.									
TOTAL									
TEMPORARY SHORING									
STATION	LOCATION	SF	SF	COMMENTS	SF	SF			
CATEGORY 0010									
924+80	CROSS DRAIN STAGING	576		16' DEPTH x 36' WIDTH					
942+60	CROSS DRAIN STAGING	384		12' DEPTH x 32' WIDTH					
1026+23	CROSS DRAIN STAGING	3,200		32' DEPTH x 100' WIDTH					
	SUB-TOTAL	4,160							
CATEGORY 0020									
B-43-61	STREAM DIVERSION		9,875						
TOTAL		4,160	9,875						

BRIDGE ITEMS	LOCATION	CY	EACH	TYPE	611.0654 INLET COVERS	611.3220 INLETS 2X2-FT	612.0212 PIPE UNDERDRAIN UNPERFORATED	310.0115 BASE AGGREGATE OPEN GRADED	550.6500 CONSTRUCTION STAKING STRUCTURE LAY OUT	SPV.0105.09 TEMPORARY PUMPS ROCKY RUN CREEK
B-43-61	SW QUAD	2.46	1	V	1	1	70	83	1	1
	SE QUAD	2.46	1	V	1	1	100			
TOTAL		4.92	2		2	2	170	83	1	1

* PLACE OPEN GRADED BASE AGGREGATE WITHIN RIP RAP VOIDS ALONG ROCKY RUN CREEK TO FACILITATE SMALL ANIMAL PASSAGE

PROJECT NO:	1177-11-70	HWY:	USH 51	COUNTY:	ONEIDA	MISCELLANEOUS QUANTITIES	FILE NAME:	1177-11-70	PLOT BY:	ONEIDA	PLOT DATE:		SHEET:	208	E
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Addendum No. 02
ID 1177-11-70
Revised Sheet 211
January 7, 2016

BASE AGGREGATE DENSE CONTINUED		305.0110		305.0120		305.0500	
CATEGORY 10	LOCATION	BASE AGGREGATE DENSE 3/4-INCH TON	BASE AGGREGATE DENSE 1 1/4-INCH TON	SHAPING SHOULDERS	TON	SHAPING SHOULDERS	STA
	JACKSON HEIGHTS ROAD						
	STA 10+34	88.8			602.4		
	RADI				82.7		
	Temp Connection				624.3		
	COTTAGE INN DRIVE						
	STA 15+00	34.6			237.0		
	RADI				82.7		
	Temp Connection				225.1		
	OAK RIDGE ROAD						
	STA 10+34	0.0			526.9		
	RADI				82.7		
	Temp Connection				728.3		
	LITTLE BEARSKIN TRAIL						
	STA 10+01	99.3			718.1		
	RADI				82.7		
	Temp Connection				646.4		
	WARBONNET LANE						
	STA 10+22	52.9			401.9		
	RADI				82.7		
	Temp Connection				426.4		
	CLEARVIEW COURT						
	STA 10+15	78.9			636.3		
	RADI				82.7		
	Temp Connection				636.2		
	S. BLUE LAKE ROAD						
	STA 10+24	0.0			333.6		
	RADI				82.7		
	Temp Connection				397.4		
	PG 2 TOTAL	354.5			7,719.2		0.0
	GRAND TOTAL	13,934.1			157,053.3		152.0

BASE AGGREGATE DENSE CONTINUED		305.0110		305.0120		305.0500	
CATEGORY 10	LOCATION	BASE AGGREGATE DENSE 3/4-INCH TON	BASE AGGREGATE DENSE 1 1/4-INCH TON	SHAPING SHOULDERS	TON	SHAPING SHOULDERS	STA
	RUMBLE STRIPS CATEGORY 10						
	ASPHALTIC CENTERLINE	465.0475					
	ASPHALTIC SHOULDER						
	RUMBLE STRIPS						
	2-LANE RURAL						
	RUMBLE STRIPS PROJECT	25810			39800		
	COMMENTS						OMIT RUMBLE STRIPS AT SIDE ROADS, BRIDGES, COMMERCIAL DRIVES, AND PRIVATE DRIVES ACCORDING TO STANDARD

BASE AGGREGATE DENSE		305.0110		305.0120		305.0500	
CATEGORY 10	LOCATION	BASE AGGREGATE DENSE 3/4-INCH TON	BASE AGGREGATE DENSE 1 1/4-INCH TON	SHAPING SHOULDERS	TON	SHAPING SHOULDERS	STA
	USH 51 TEMP. WIDENING						
	STA 845+50	49.2			517.8		
	STA 847+50	4.0					
	STA 847+50	5,839.1			68,207.6		2
	STA 972+00	425.4			1,542.6		125
	STA 981+07				44.4		9
	STA 879+88				149.8		
	STA 903+24				176.2		
	STA 925+38				93.1		
	STA 942+19				63.6		
	STA 944+87				140.3		
	STA 957+80				48.1		
	STA 974+92				219.1		3
	STA 983+25	102.2			402.3		3
	STA 986+21	151.7			5,558.19		
	STA 986+21	5,465.4			71.3		
	STA 989+38				76.2		
	STA 990+75				20.9		
	STA 996+81				45.5		
	STA 1024+50				227.2		
	STA 1025+93				171.7		
	STA 1053+65				62.8		
	STA 1069+14				2,375.6		
	STA 1092+84	118.0			1,763.0		
	STA 1097+58	96.1			2,676.5		
	STA 1101+44	145.8			9,055.1		
	STA 1109+14	932.8			1,685.4		
	STA 1129+03	91.8			44.4		
	STA 1132+72				25.0		
	STA 1099+00						
	ROCKY RUN CREEK DIVERSION						
	USH 51 TEMPORARY WIDENING RT						
	STA 846+12	53.1			2,612.1		
	STA 880+28	9.0			294.8		
	STA 972+02	15.9			642.8		
	STA 994+97	9.0			138.6		
	STA 1021+42						
	STA 1027+18						
	STA 1035+00	56.0					
	STA 1072+04	13.5			118.8		
	STA 1101+27	1.6			39.6		
	PG 1 TOTAL	13,579.6			149,334.1		152.0

BASE AGGREGATE DENSE		305.0110		305.0120		305.0500	
CATEGORY 10	LOCATION	BASE AGGREGATE DENSE 3/4-INCH TON	BASE AGGREGATE DENSE 1 1/4-INCH TON	SHAPING SHOULDERS	TON	SHAPING SHOULDERS	STA
	COMMENTS						
	B.A.D. FOR GRADING RT FORESLOPE TO 3:1						

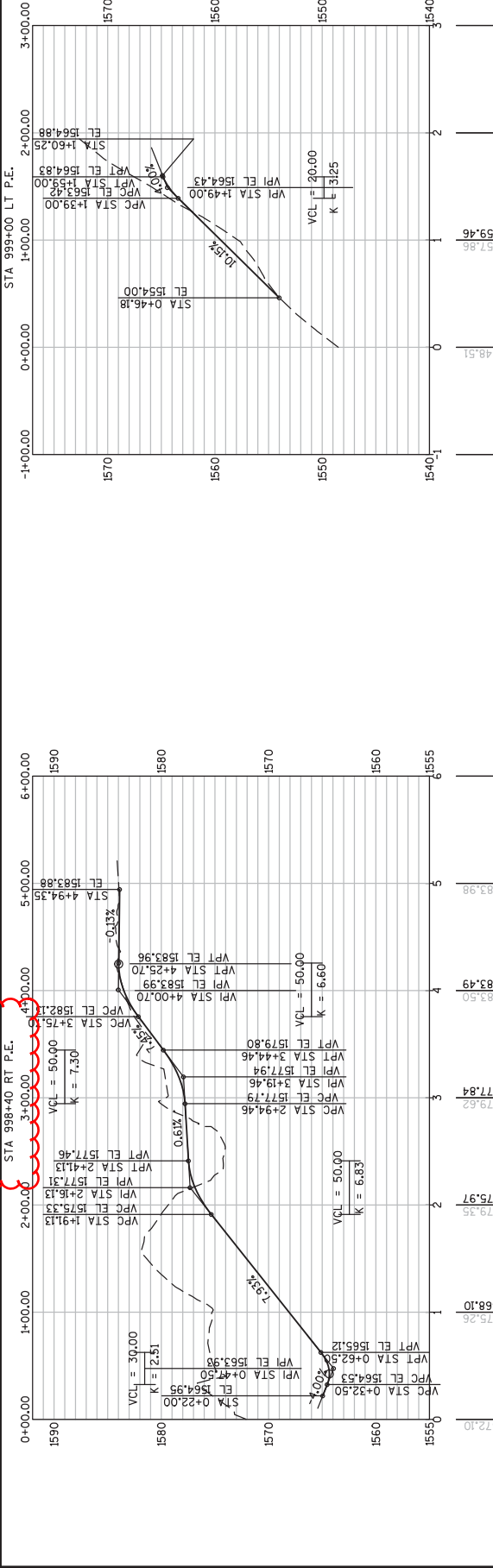
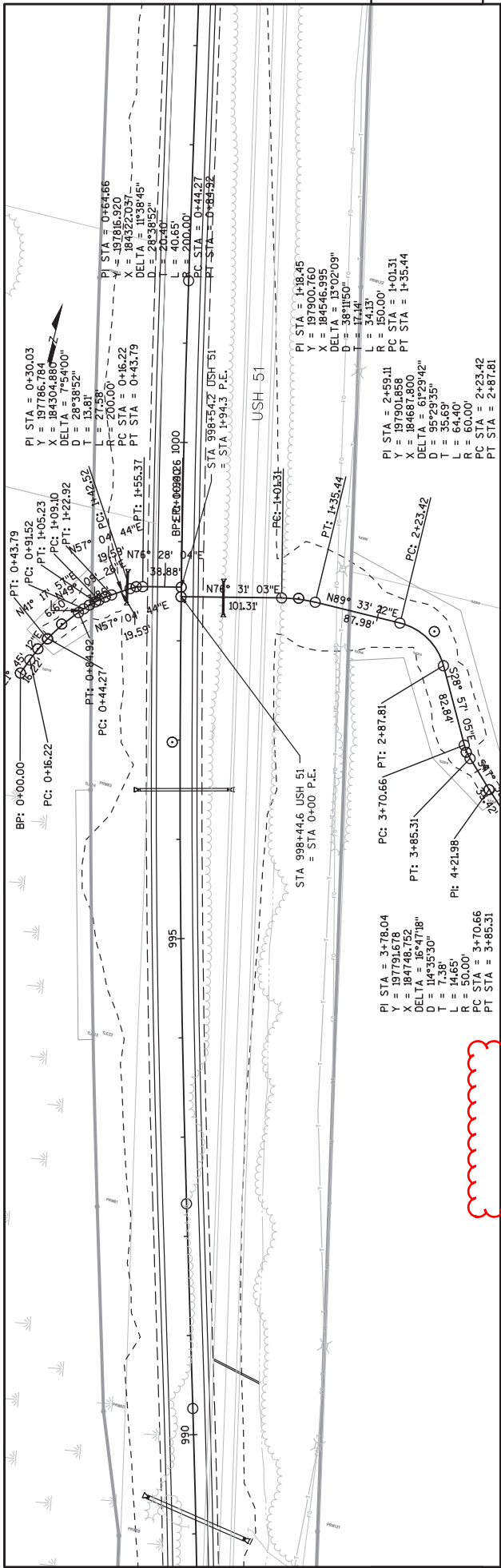
LOCATION	643.0200	643.0300	643.0300	603.8000	603.8125	614.0905	643.0420	643.0705	643.0715	SPV.0105.**	643.0800	643.1050	643.0900	661.0300	ESTIMATED
	SURVEILLANCE & MAINTENANCE	TRAFFIC CONTROL	TRAFFIC CONTROL DRUMS	CONC BARRIER DELIVERED	CONC BARRIER TEMP PRECAST	CONC BARRIER TEMP PRECAST	CRASH CUSHIONS TEMPORARY	BARRICADES TYPE III	WARNING LIGHTS TYPE A	TEMPORARY TRAFFIC SIGNALS (LOCATION)	ARROW BOARDS	SIGNS PCMS	SIGNS	GENERATORS	DAYS
	DAYS	DAYS	DAYS	LF	LF	EACH	DAYS	DAYS	DAYS	LS	DAYS	DAYS	DAYS	DAYS	DAYS
PROJECT	608														
ADVANCED WARNING (PROJECT DURATION)															608
WIDTH RESTRICTION SIGNING															608
CLEARING AND GRUBBING OPERATIONS															
PHASE 1		1,600		3,900.0	3,900.0	0.0			180						18
PHASE 2		1,350													450
SOUTH PROJECT LIMIT TO MATCH POINT															112
STAGE 1															84
STAGE 2		666													18
STAGE 3		9900		3,900.0	3,900.0				1,725						150
STAGE 4		868		962.5	962.5		7		98	1					126
STAGE 5		868		862.5	862.5		7		98	1					126
STAGE 6		8690		537.5	537.5				1,430						110
MATCH POINT TO NORTH PROJECT LIMIT															38
STAGE 1		1015							322						28
STAGE 2		11252		10,887.5	10,887.5				5,917	2					194
STAGE 3		896		262.5	887.5		14		490						14
STAGE 4		7440		2,075.0	2,075.0				1,152						96
STAGE 5		336							273						14
STAGE 6		1827							928						58
STA 902+80 CULVERT REPLACEMENT															
STAGE 1 - STA 887+50 - 906+30		35													1
STAGE 2 - STA 887+50 - 910+25		35													1
STA 925+25 CULVERT REPLACEMENT															
STAGE 1 - STA 887+50 - 951+45		231		525.0	525.0		9	12	39	1					63
STAGE 2 - STA 887+50 - 951+45		210		387.5	387.5		9	12	30						63
STA 942+90 CULVERT REPLACEMENT															
STAGE 1 - STA 930+30 - 945+50		150		375.0	375.0		9	12	30	1					66
STAGE 2 - STA 929+80 - 945+00		186		125.0	500.0		9	12	51						63
STA 957+40 CULVERT REPLACEMENT															
STAGE 1 - STA 953+90 - 963+85		35													1
STAGE 2 - STA 950+95 - 960+90		35													1
STA 975+90 CULVERT REPLACEMENT															
STAGE 1 - STA 969+45 - 979+40		35													1
STAGE 2 - STA 972+40 - 982+35		35													1
STA 989+16 CULVERT REPLACEMENT															
STAGE 1 - STA 982+65 - 992+60		35													1
STAGE 2 - STA 985+60 - 995+55		35													1
STA 1026+23 RCP REPLACEMENT															
STAGE 1 - STA 1023+10 - STA 1028+40		60		375.0	375.0		3		30	1					42
STAGE 2 - STA 1023+60 - STA 1028+90		60		375.0	375.0		3		30						42
STAGE 3 - STA 1023+10 - STA 1028+40		60		375.0	375.0		3		30						42
STA 1053+26 CULVERT REPLACEMENT															
STAGE 1 - STA 1050+40 - 1069+95		35													1
STAGE 2 - STA 1047+45 - 1067+30		35													1
STRUCTURE B-43-61 CONSTRUCTION (2016)															
STA 1101+13 - 1108+13.LT		4,811		700.0	700.0	1	8	5	1,318						284
UNDISTRIBUTED (10%)															
TOTAL	608	55,866		23,676.5	26,028.0	1	81	53	14,494	7	18	762			31,748

PROJECT NO: 1177-11-70 HWY: USH 51 COUNTY: ONEIDA MISCELLANEOUS QUANTITIES SHEET: 218 E

FILE NAME: PLOT DATE: PLOT BY: PLOT SCALE: 1:1

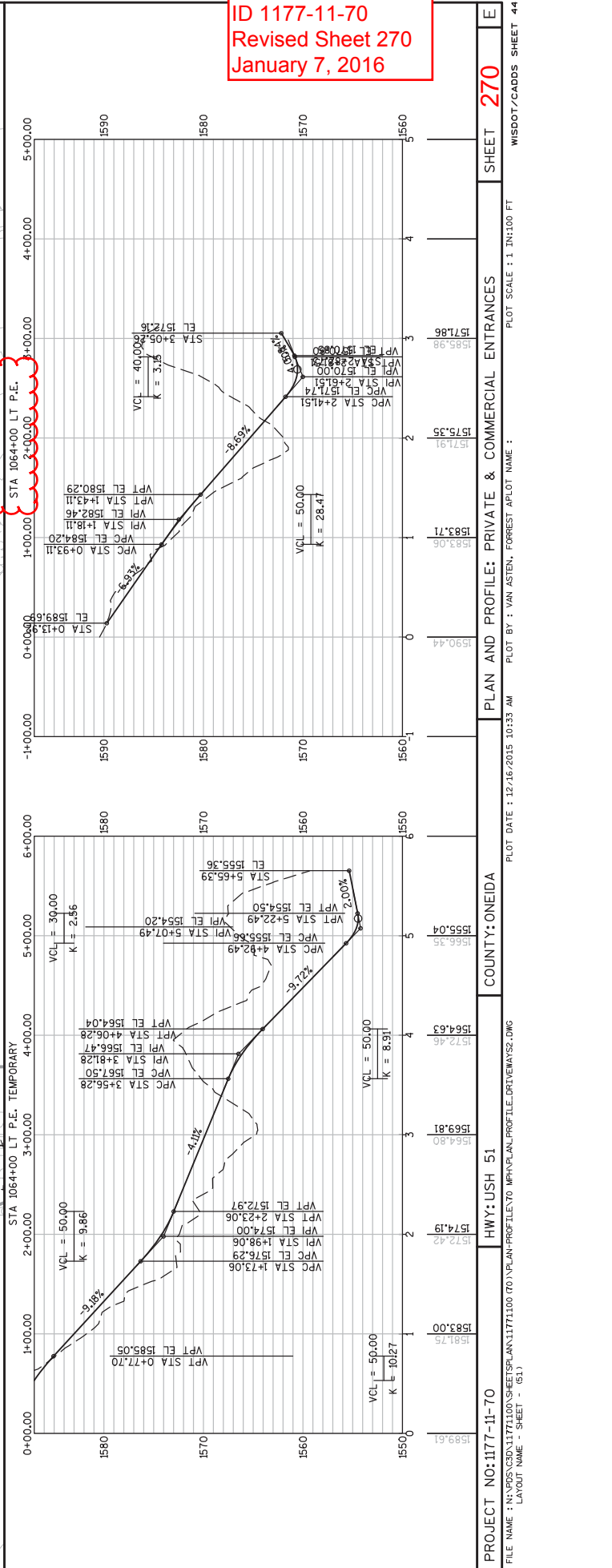
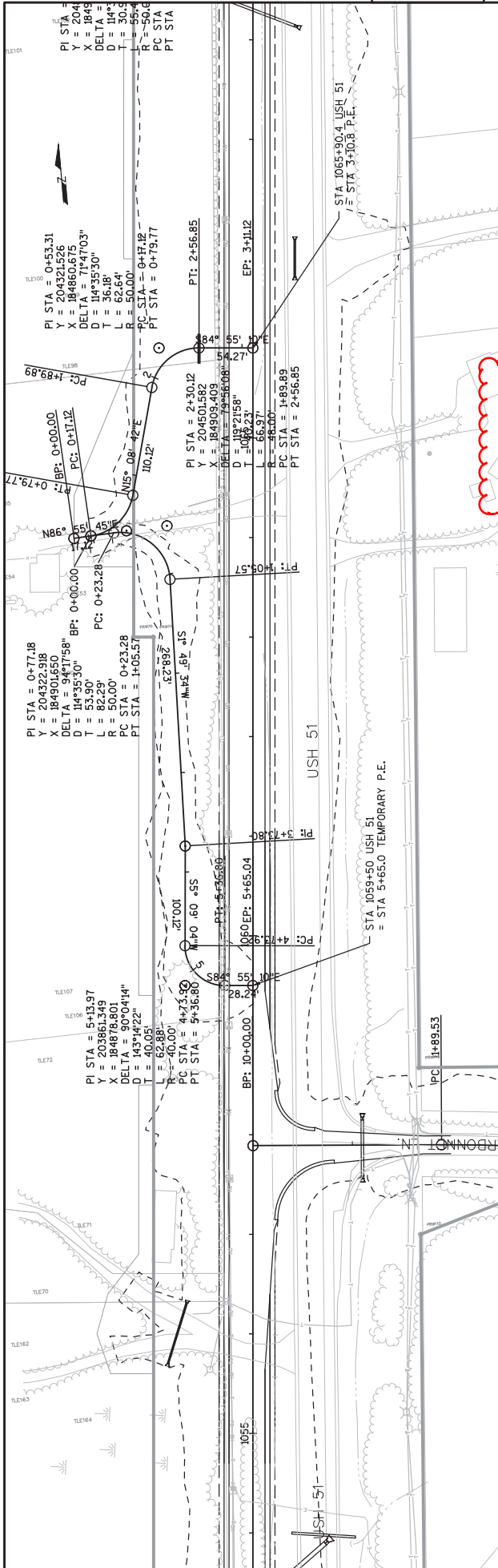
NOTE: ALL CONC RET BARRIERS TEMPORARY PRECAST INSTALLATIONS TO BE PINNED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

Addendum No. 02
 ID 1177-11-70
 Revised Sheet 266
 January 7, 2016

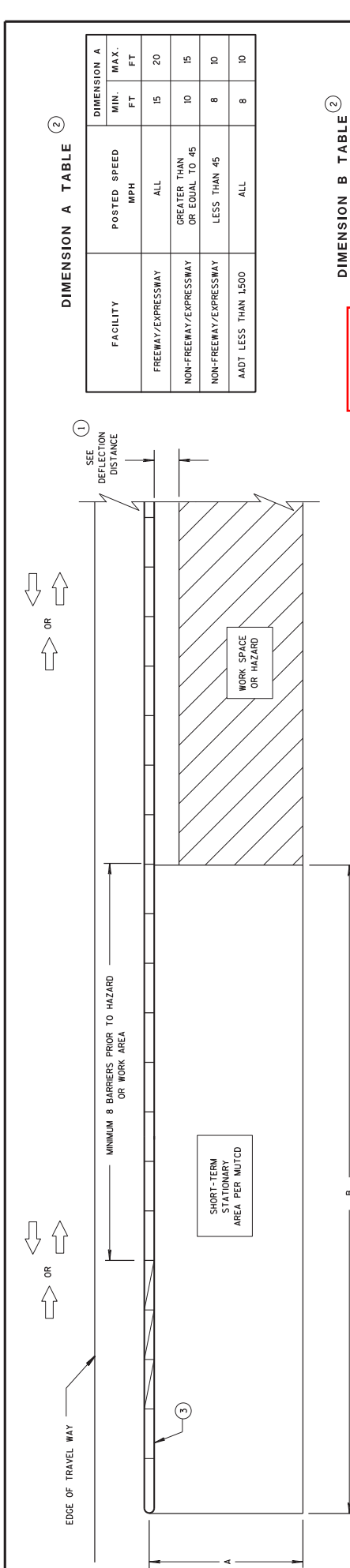


PROJECT NO:	PLAN AND PROFILE:	SHEET
1177-11-70	PRIVATE & COMMERCIAL ENTRANCES	266
COUNTY: ONEIDA		PLOT SCALE: 1:1 IN:100 FT
HWY: USH 51		
FILE NAME: N:\NPD\303\11771100\00\SHEETSP\AN\11771100 (70)INPLAN-PROFILE\070 MPNPLAN-PROFILE.DWG		
LAYOUT NAME: SHEET - (46)		
PLOT DATE: 12/16/2015 10:36 AM		
PLOT BY: VAN ASTEN, FORREST A/PLOT NAME:		

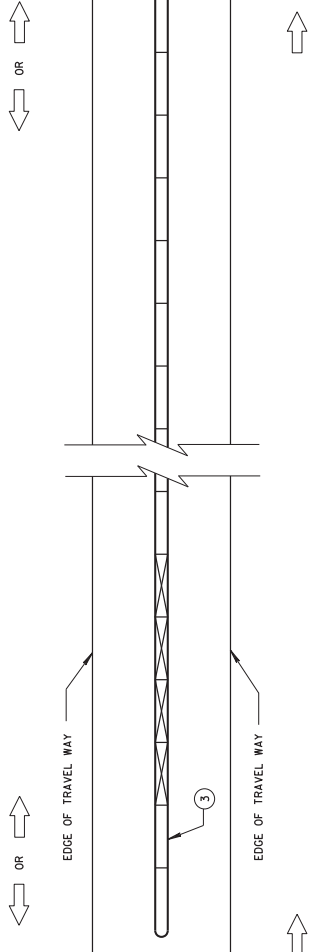
Addendum No. 02
ID 1177-11-70
Revised Sheet 270
January 7, 2016



PROJECT NO: 1177-11-70	Hwy: USH 51	COUNTY: ONEIDA	PLAN AND PROFILE: PRIVATE & COMMERCIAL ENTRANCES	SHEET 270
FILE NAME : N:\PDS\320\11771100\320\11771100\70\PLAN-PROFILE\70\MP\PLAN-PROFILE.DWG LAYOUT NAME - SHEET - 651				
PLOT DATE : 12/16/2015 10:33 AM				
PLOT BY : VAN ASTEN, FORREST APLT NAME :				
PLOT SCALE : 1 IN=100 FT				
WSDOT/CADD SHEET 44				



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON ONE SIDE OF BARRIER



CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER INSTALLATION FOR TRAFFIC ON BOTH SIDES OF BARRIER

GENERAL NOTES

- SEE STANDARD DETAIL DRAWING 1487 FOR MORE INFORMATION.
- DETAILS PROVIDE A GENERAL LAYOUT OF TEMPORARY CONCRETE BARRIER, CRASH CUSHIONS, SAND BARREL ARRAYS AND TIE DOWN TRANSITIONS. DETAILS PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.
- ADDITIONAL TEMPORARY BARRIER MAY BE REQUIRED TO PROTECT TRAVELING PUBLIC FROM HAZARDS. CONTRACTOR'S OPERATIONS OR TO CONTROL TRAFFIC.
- TEMPORARY BARRIER MAY BE REQUIRED TO BE ANCHORED TO PAVEMENT OR BRIDGE DECK.

FOR DETAILS ON CRASH CUSHION OR SAND BARREL ARRAYS SEE OTHER SECTIONS OF THE PLAN AND MANUFACTURE'S DETAILS.

SLOPES LEADING TO TEMPORARY BARRIER, CRASH CUSHION OR SAND BARREL ARRAY ARE 10:1 OR LESS.

- ① FOR DEFLECTION INFORMATION SEE STANDARD DETAIL DRAWING 1487.
- ② VALUES PROVIDED MAY NOT FIT ALL POSSIBLE SITUATIONS OR SITE CONDITIONS. SEE OTHER SECTIONS OF THE CONTRACT OR PROJECT ENGINEER FOR MORE DETAILS.
- ③ ANCHOR TEMPORARY BARRIER ACCORDING TO CRASH CUSHION OR SAND BARREL MANUFACTURE'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDATIONS ARE NOT PROVIDED, ANCHOR 3 PINS ON TRAFFIC SIDE.

DIMENSION A TABLE

FACILITY	POSTED SPEED MPH	DIMENSION A	
		MIN. FT	MAX. FT
FREEMWAY/EXPRESSWAY	ALL	15	20
NON-FREEMWAY/EXPRESSWAY	GREATER THAN OR EQUAL TO 45	10	15
NON-FREEMWAY/EXPRESSWAY	LESS THAN 45	8	10
AADT LESS THAN 1500	ALL	8	10

DIMENSION B TABLE

POSTED SPEEDS MPH	DIMENSION B FT
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645

Addendum No. 02
ID 1177-11-70
Added Sheet 312A
January 7, 2016

LEGEND

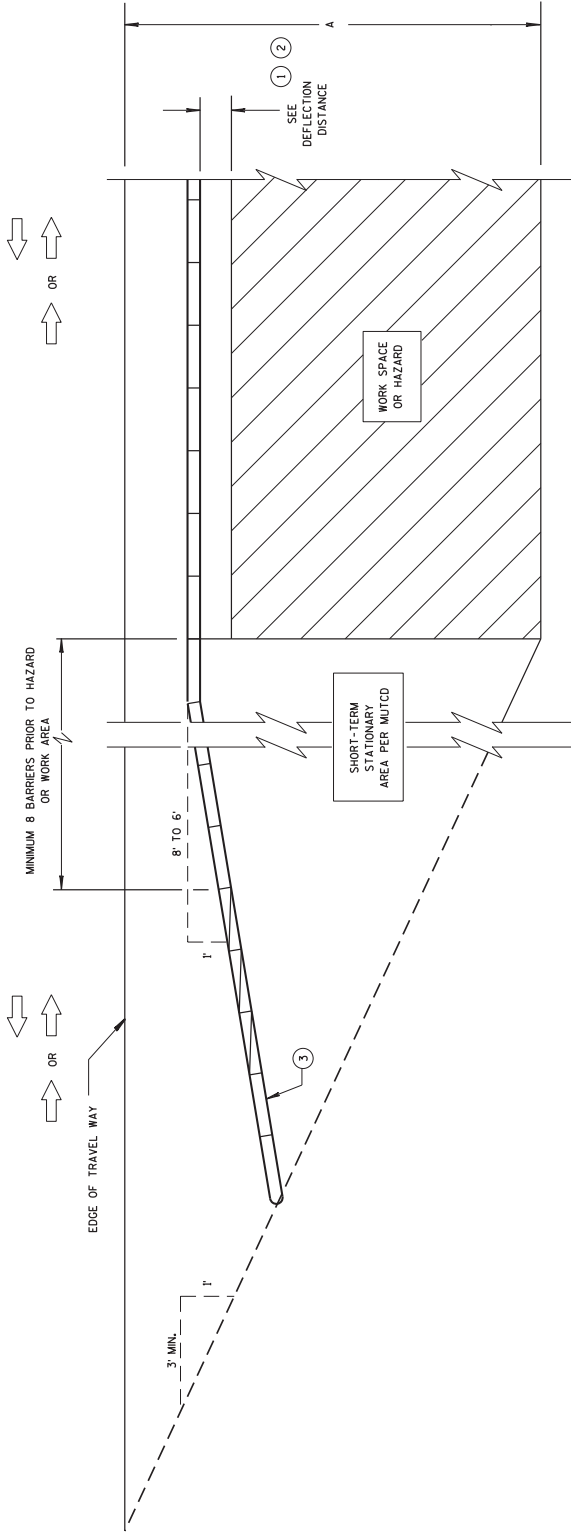
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

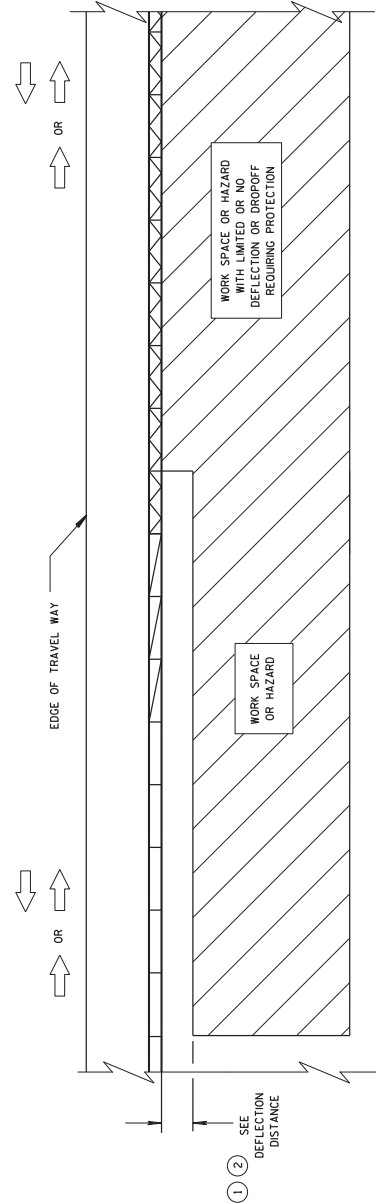
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

312A

Addendum No. 02
ID 1177-11-70
Added Sheet 312B
January 7, 2016



**CRASH CUSHION/SAND BARREL ARRAY AND TEMPORARY BARRIER
INSTALLATION FOR TRAFFIC ON ONE SIDE - FLARED INSTALLATION**



**TRANSITION FROM FREE STANDING TEMPORARY BARRIER
TO ANCHORED BARRIER**

LEGEND

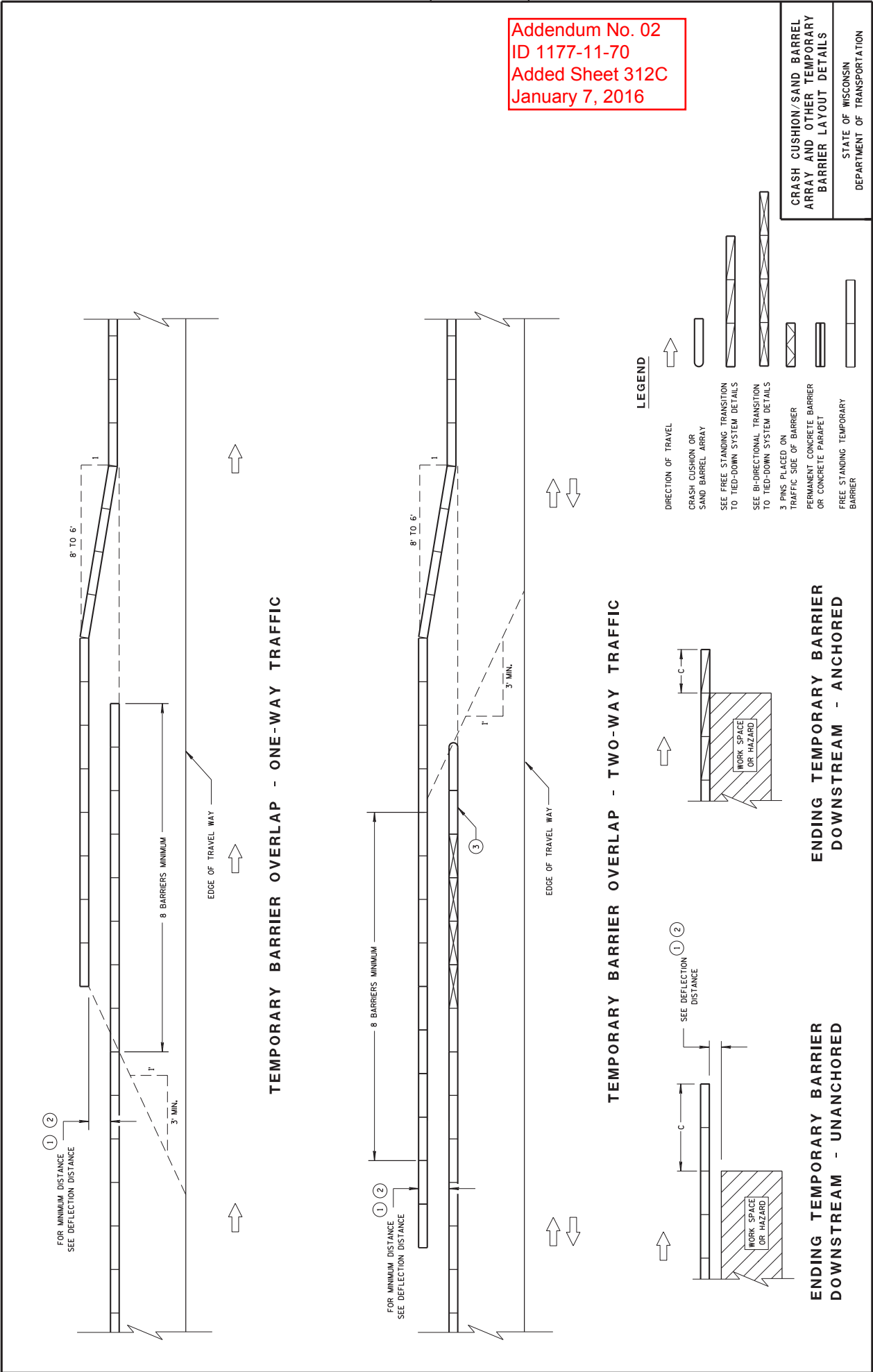
- DIRECTION OF TRAVEL
- CRASH CUSHION OR SAND BARREL ARRAY
- SEE FREE STANDING TRANSITION TO TIED-DOWN SYSTEM DETAILS
- SEE BI-DIRECTIONAL TRANSITION TO TIED-DOWN SYSTEM DETAILS
- 3 PINS PLACED ON TRAFFIC SIDE OF BARRIER
- PERMANENT CONCRETE BARRIER OR CONCRETE PARAPET
- FREE STANDING TEMPORARY BARRIER

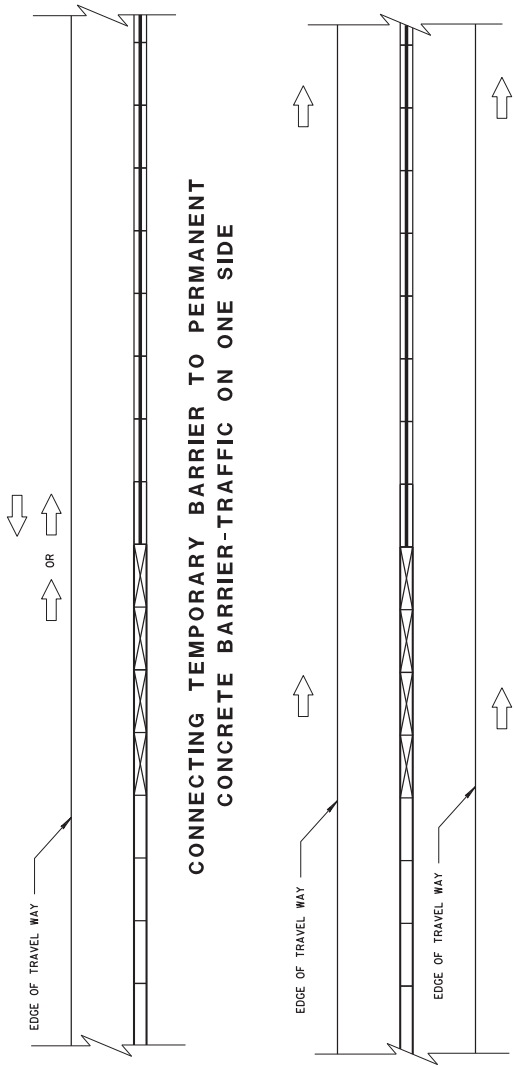
CRASH CUSHION/SAND BARREL
ARRAY AND OTHER TEMPORARY
BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

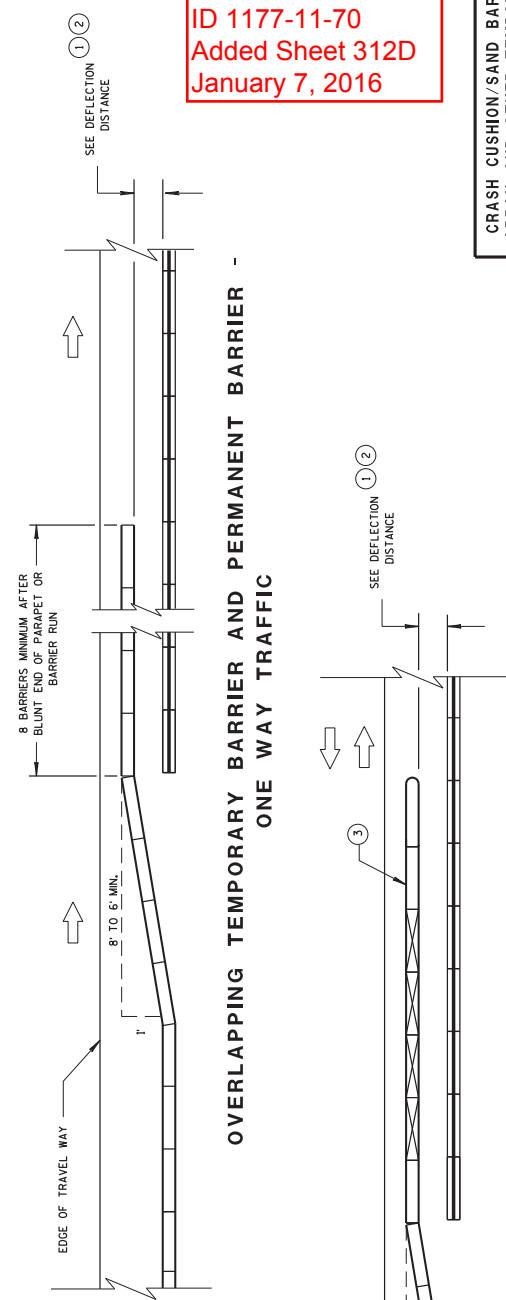
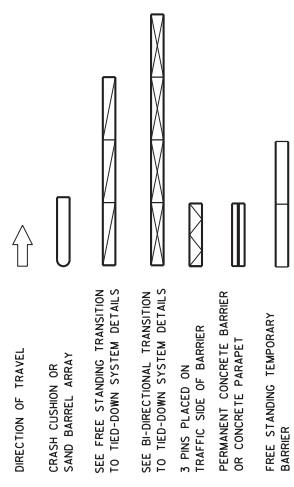
312B

Addendum No. 02
 ID 1177-11-70
 Added Sheet 312C
 January 7, 2016





LEGEND



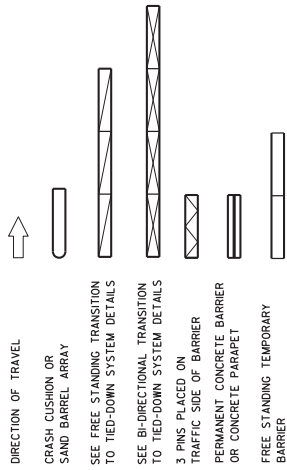
Addendum No. 02
ID 1177-11-70
Added Sheet 312D
January 7, 2016

CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

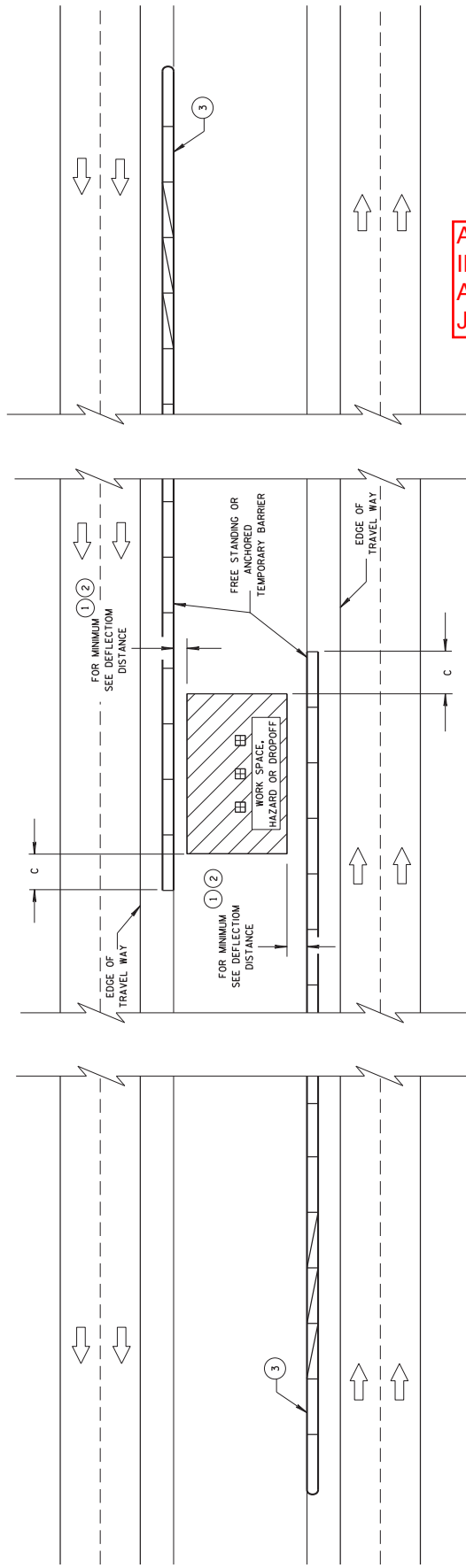
312D

LEGEND



DIMENSION C TABLE (2)

AVAILABLE DEFLECTION DISTANCE	MINIMUM LENGTH OF BARRIER BEYOND HAZARD FT
GREATER THAN 8'	12.5
LESS THAN OR EQUAL TO 8' BUT GREATER THAN 4'	50
LESS THAN OR EQUAL TO 4'	100



Addendum No. 02
 ID 1177-11-70
 Added Sheet 312E
 January 7, 2016

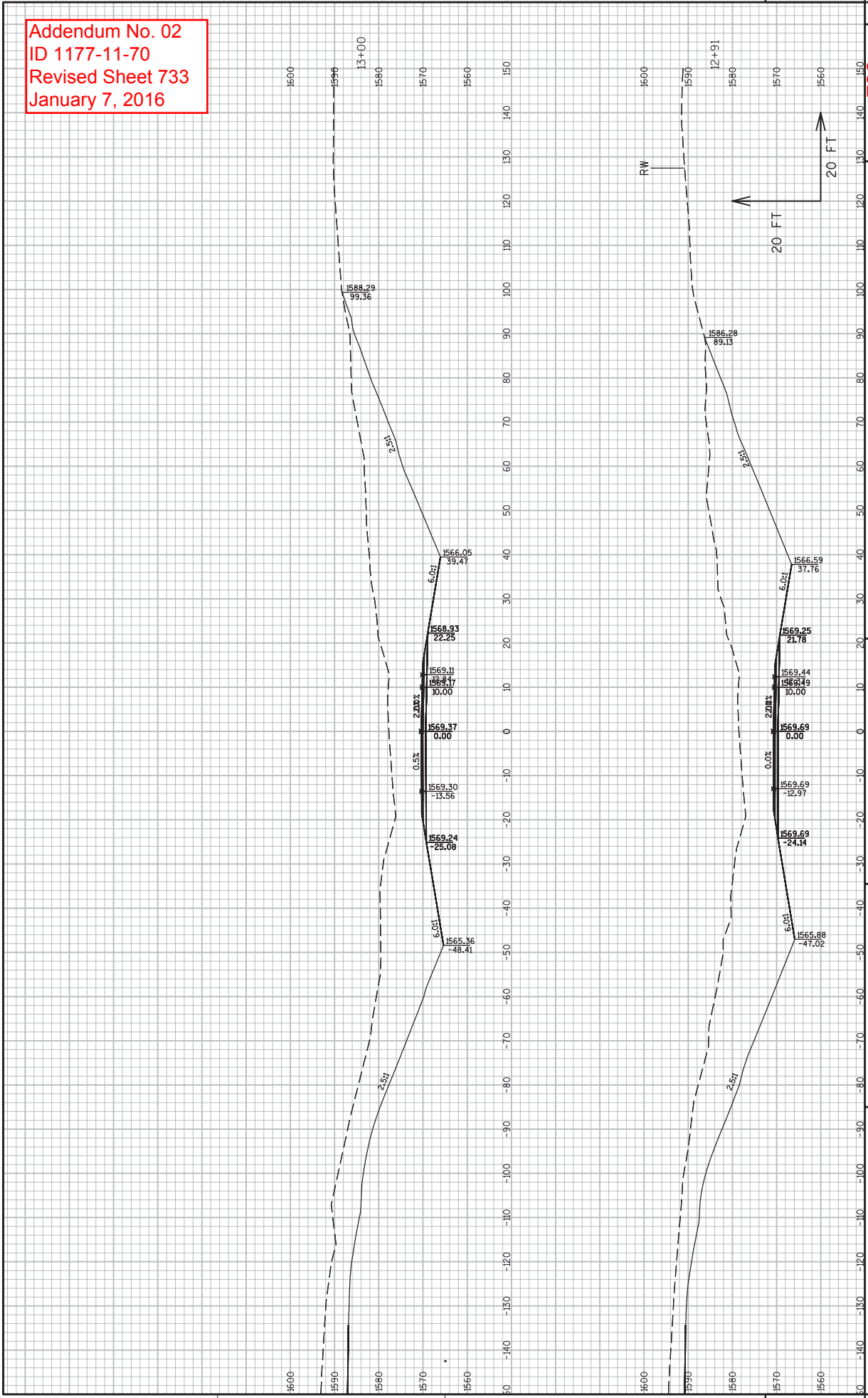
CRASH CUSHION/SAND BARREL ARRAY AND OTHER TEMPORARY BARRIER LAYOUT DETAILS

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION

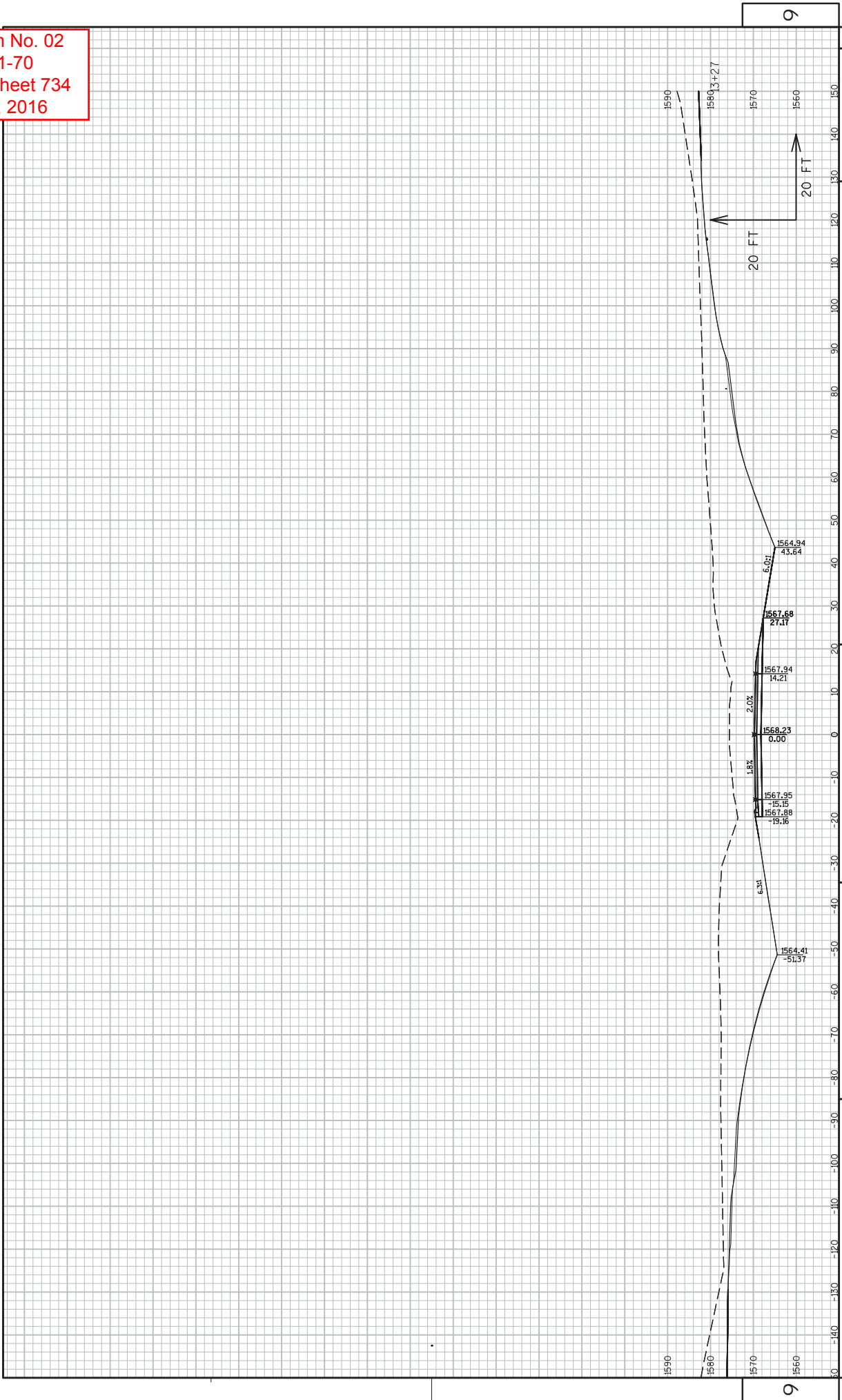
APPROVED
 June, 2015 DATE
 /s/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER
 FHWA

312E

Addendum No. 02
 ID 1177-11-70
 Revised Sheet 733
 January 7, 2016

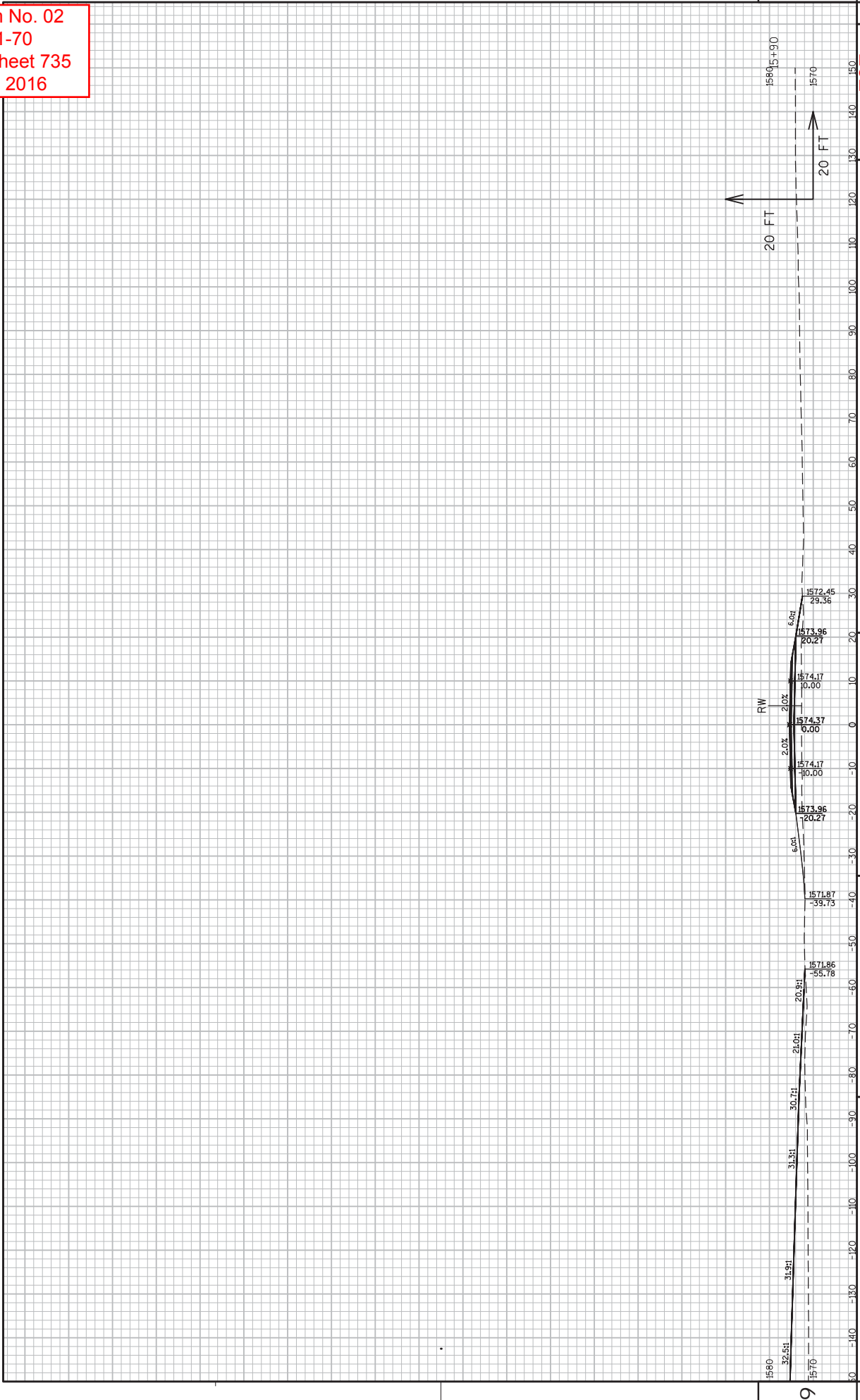


Addendum No. 02
 ID 1177-11-70
 Revised Sheet 734
 January 7, 2016



PROJECT NO: 1177-11-70
 COUNTY: ONEIDA
 HWY: USH 51
 SHEET 734
 SHEET 734
 E
 FILE NAME : N:\POS\330\11771100\SHEETS\PLAN\11771100 (70) \NS\09201.XS.SIDE.ROADS.A.W. DWG
 LAYOUT NAME - SECTION SHEET - (883)
 PLOT DATE : 12/15/2015 11:53 AM
 PLOT BY : VAN ASTEN, FORREST A PLOT NAME :
 PLOT SCALE : 1:120.XREF
 WSDOT/CADD SHEET 49

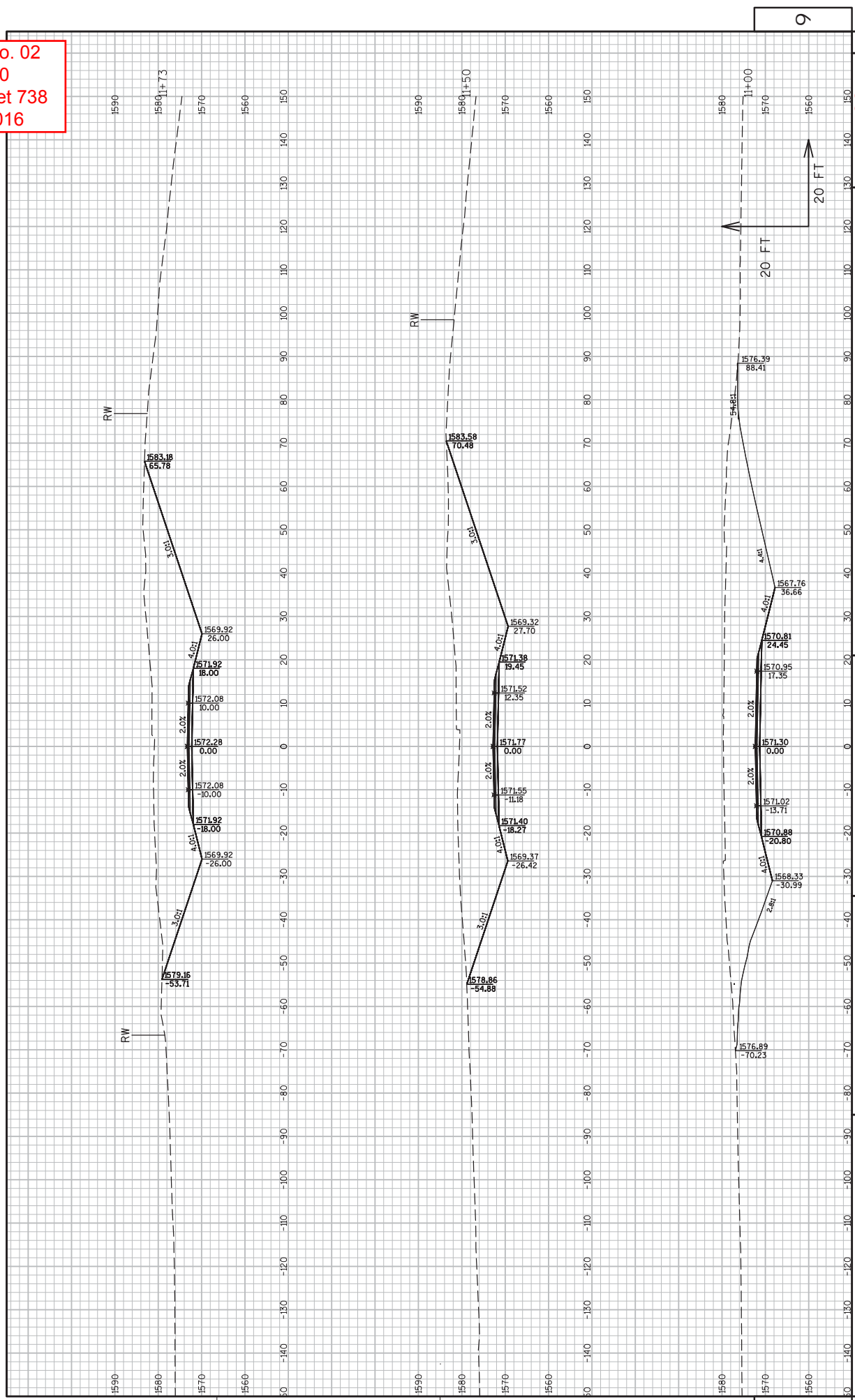
Addendum No. 02
ID 1177-11-70
Revised Sheet 735
January 7, 2016



PROJECT NO: 1177-11-70
COUNTY: ONEIDA
HWY: USH 51
CROSS SECTIONS: COTTAGE INN
SHEET 737
E

FILE NAME : N:\VPOS\C3D\11771100\SHEETS\PLAN\11771100 (70) \XS.SIDE.ROADS.A.W. DWG
LAYOUT NAME - SECTION SHEET - (385)
PLOT DATE : 12/15/2015 11:44 AM
PLOT BY : VAN ASTEN, FORREST A
PLOT SCALE : 1:20.XREF
WSDOT/CADD SHEET 49

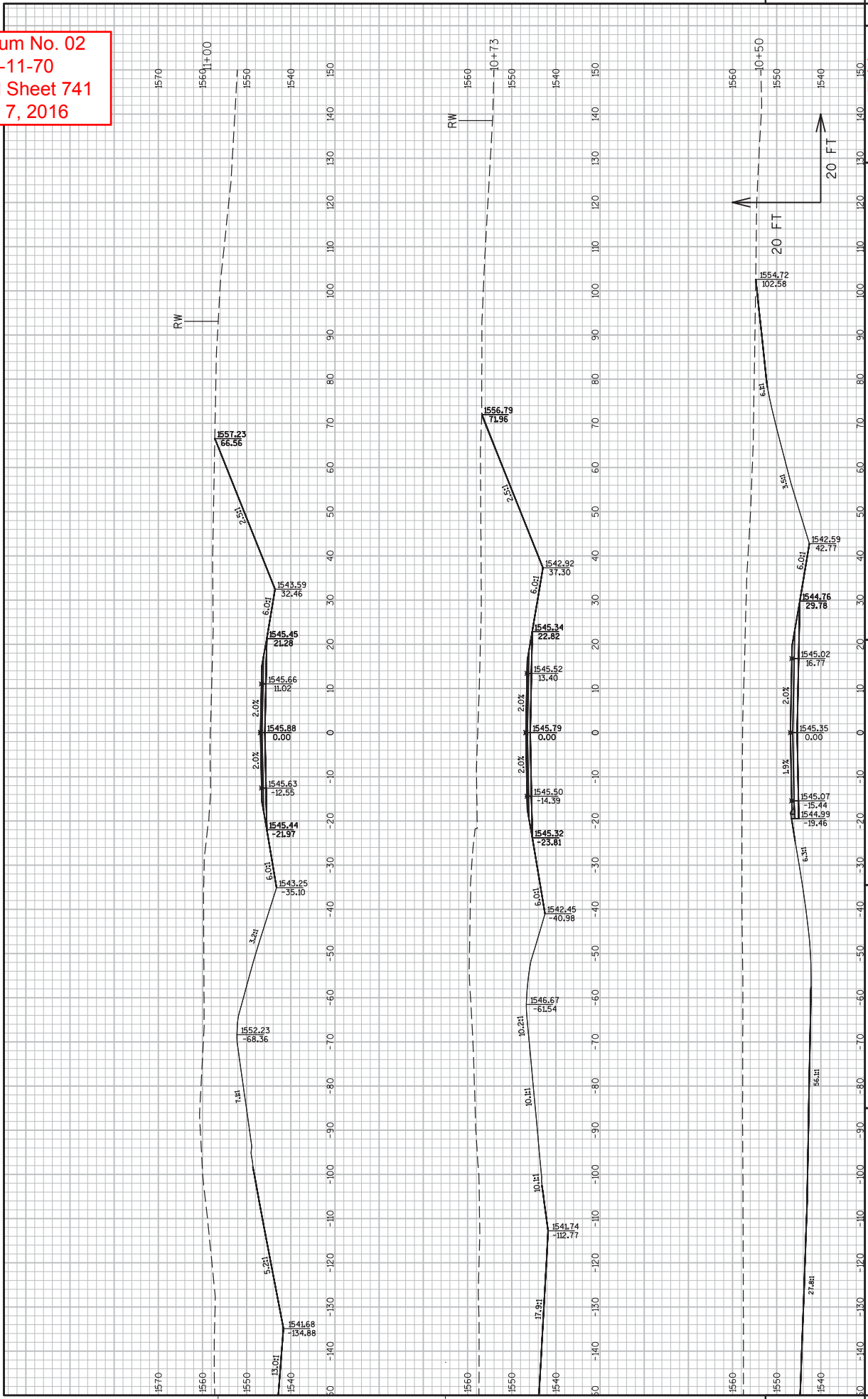
Addendum No. 02
 ID 1177-11-70
 Revised Sheet 738
 January 7, 2016



PROJECT NO: 1177-11-70
 COUNTY: ONEIDA
 HWY: USH 51
 CROSS SECTIONS: JACKSON HEIGHTS ROAD
 SHEET 738
 E

FILE NAME : N:\VPOS\C3D\11771100\SHEETS\PLAN\11771100 (70) \NS\09201.XS.SIDE.ROADS.A.W.DWG
 LAYOUT NAME - SECTION SHEET - (386)
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 PLOT SCALE : 1:120.XREF
 WSDOT/CADD SHEET 49

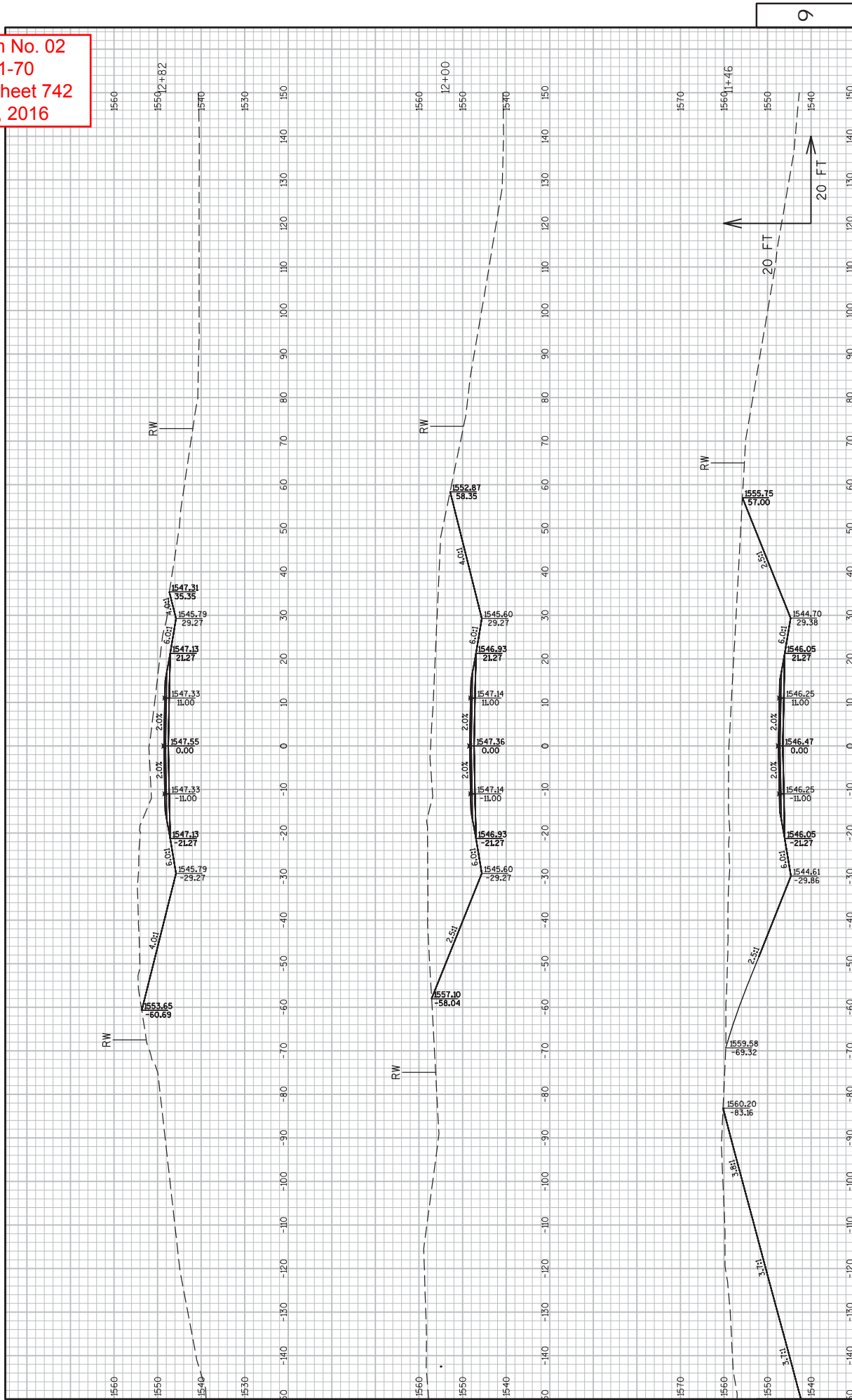
Addendum No. 02
 ID 1177-11-70
 Revised Sheet 741
 January 7, 2016



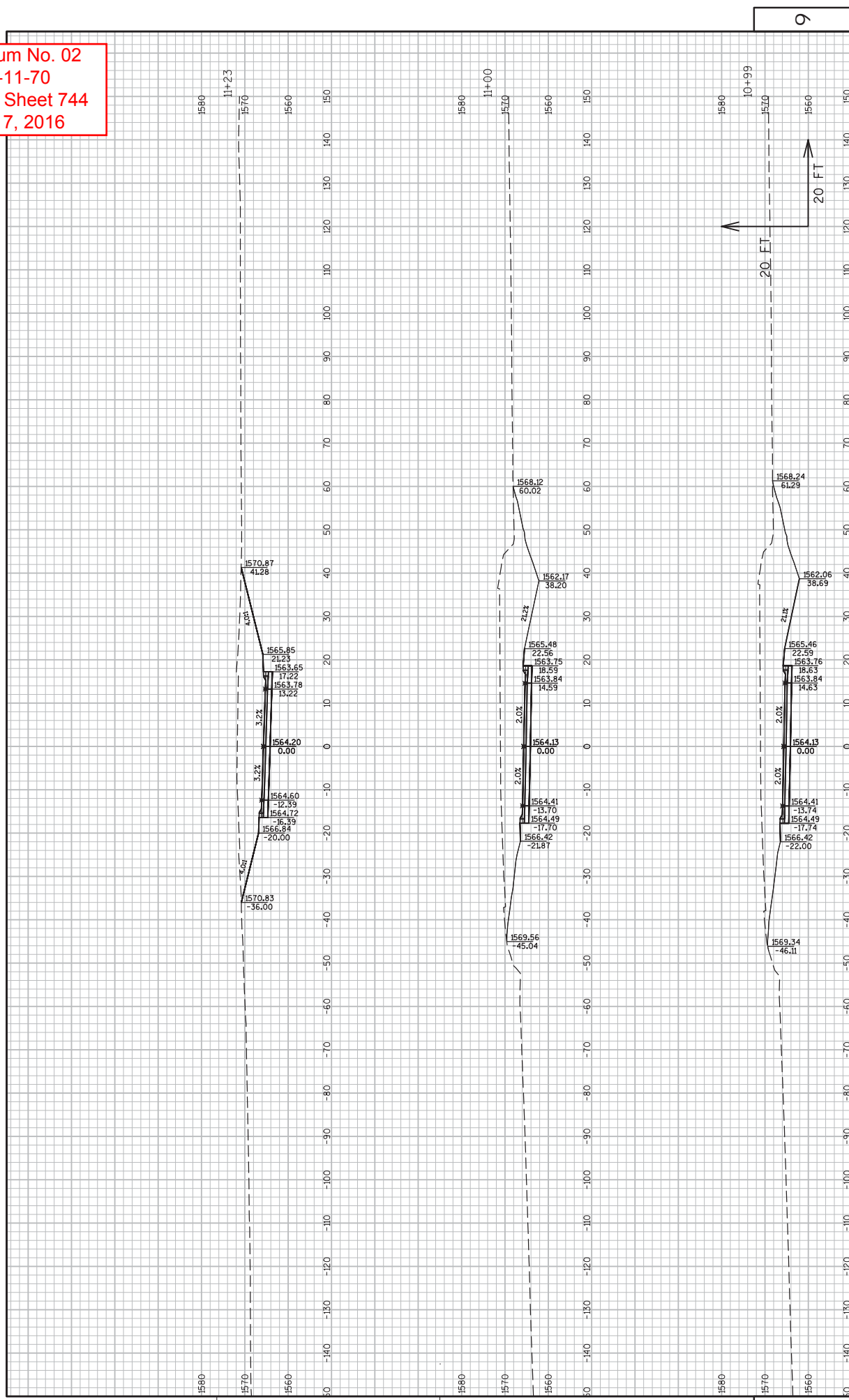
PROJECT NO: 1177-11-70
 COUNTY: ONEIDA
 HWY: USH 51
 CROSS SECTIONS: LITTLE BEARSKIN ROAD
 SHEET 741
 E

FILE NAME : N:\POS\330\11771100\SHEETS\PLAN\11771100\70\NS\09201\XS.SIDE.ROADS-A.W.DWG
 PLOT DATE : 12/15/2015 9:23 AM
 PLOT BY : VAN ASTEN, FORREST A PLOT NAME :
 PLOT SCALE : 1:120 .XREF
 WSDOT/CADD SHEET 49

Addendum No. 02
 ID 1177-11-70
 Revised Sheet 742
 January 7, 2016

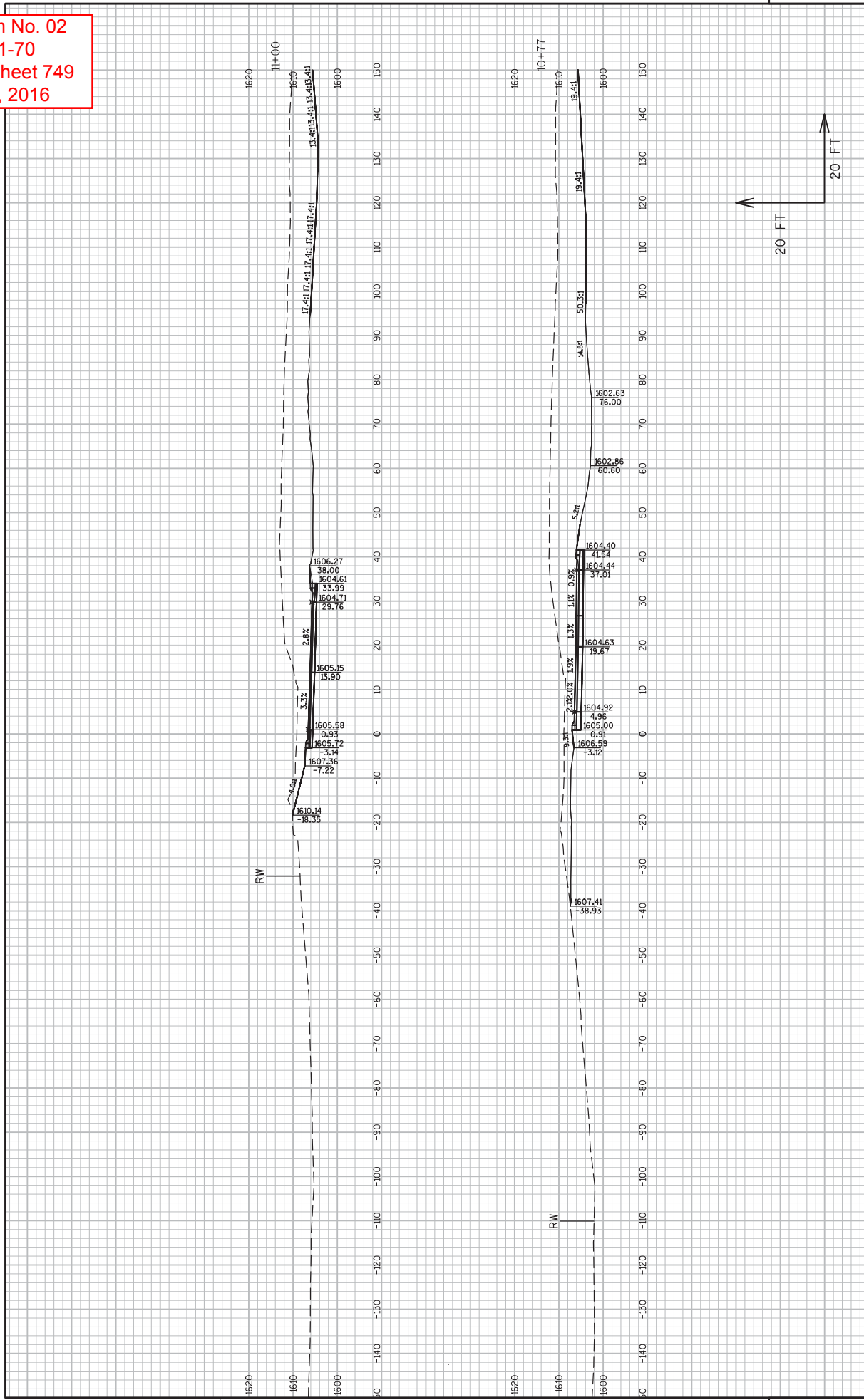


Addendum No. 02
 ID 1177-11-70
 Revised Sheet 744
 January 7, 2016



CROSS SECTIONS: OAKRIDGE ROAD
 COUNTY: ONEIDA
 HWY: USH 51
 PROJECT NO: 1177-11-70
 SHEET 744
 SHEET 744
 PLOT DATE: 12/16/2015 10:17 AM
 PLOT BY: VAN ASTEN, FORREST
 PLOT SCALE: 1:120 .XREF
 FILE NAME: N:\POS\330\11771100\SHEETS\PLAN\11771100\TO\NS\090201.XS.SIDE.ROADS.A.W.DWG
 LAYOUT NAME - SECTION SHEET - (952)

**Addendum No. 02
ID 1177-11-70
Revised Sheet 749
January 7, 2016**

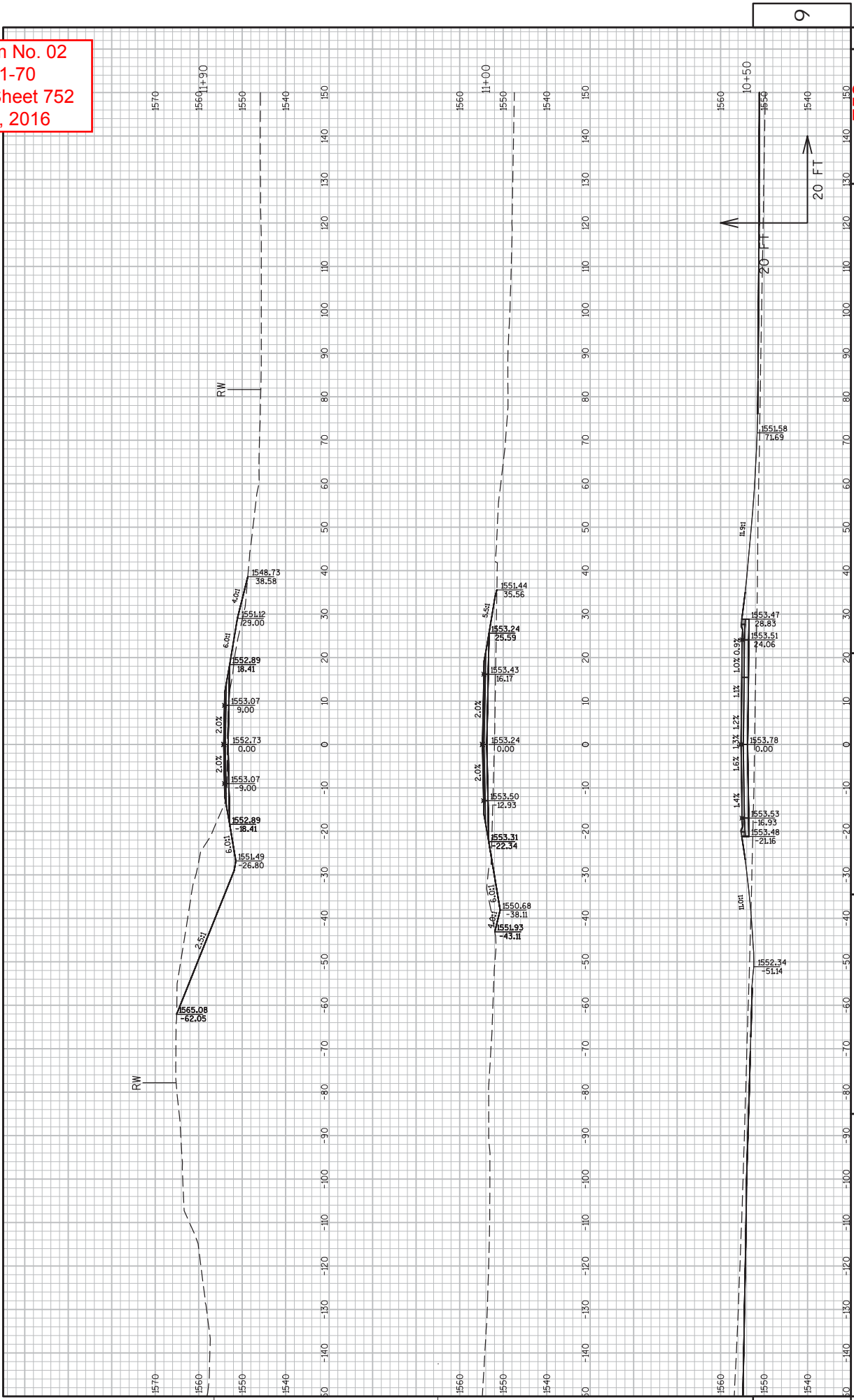


PROJECT NO: 1177-11-70
 HWY: USH 51
 COUNTY: ONEIDA
 CROSS SECTIONS: S. BLUE LAKE ROAD
 SHEET 749
 E

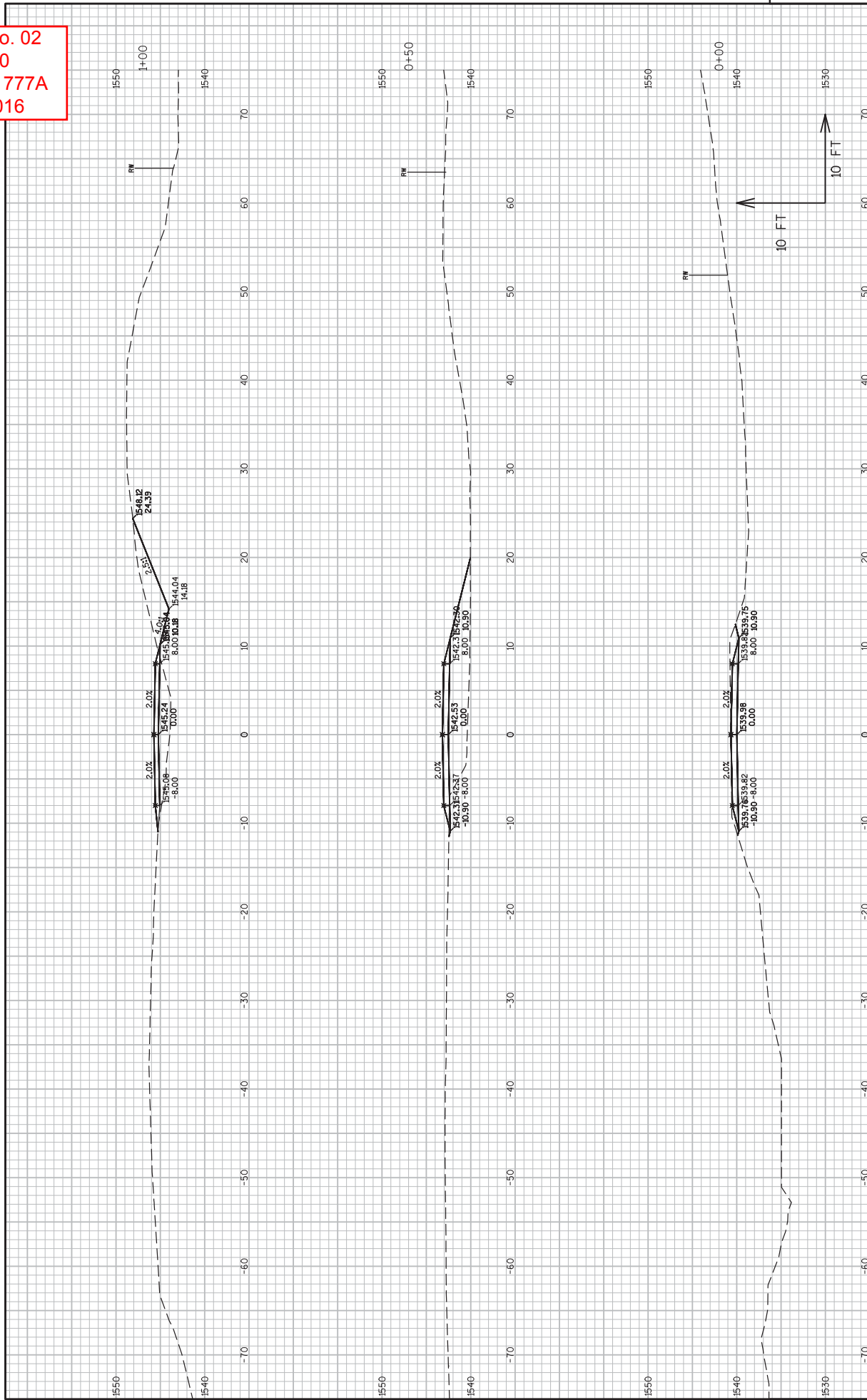
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 PLOT BY : VAN ASTEN, FORREST A PLOT NAME :
 PLOT SCALE : 1:20.00
 WSDOT/CADD SHEET 49

9

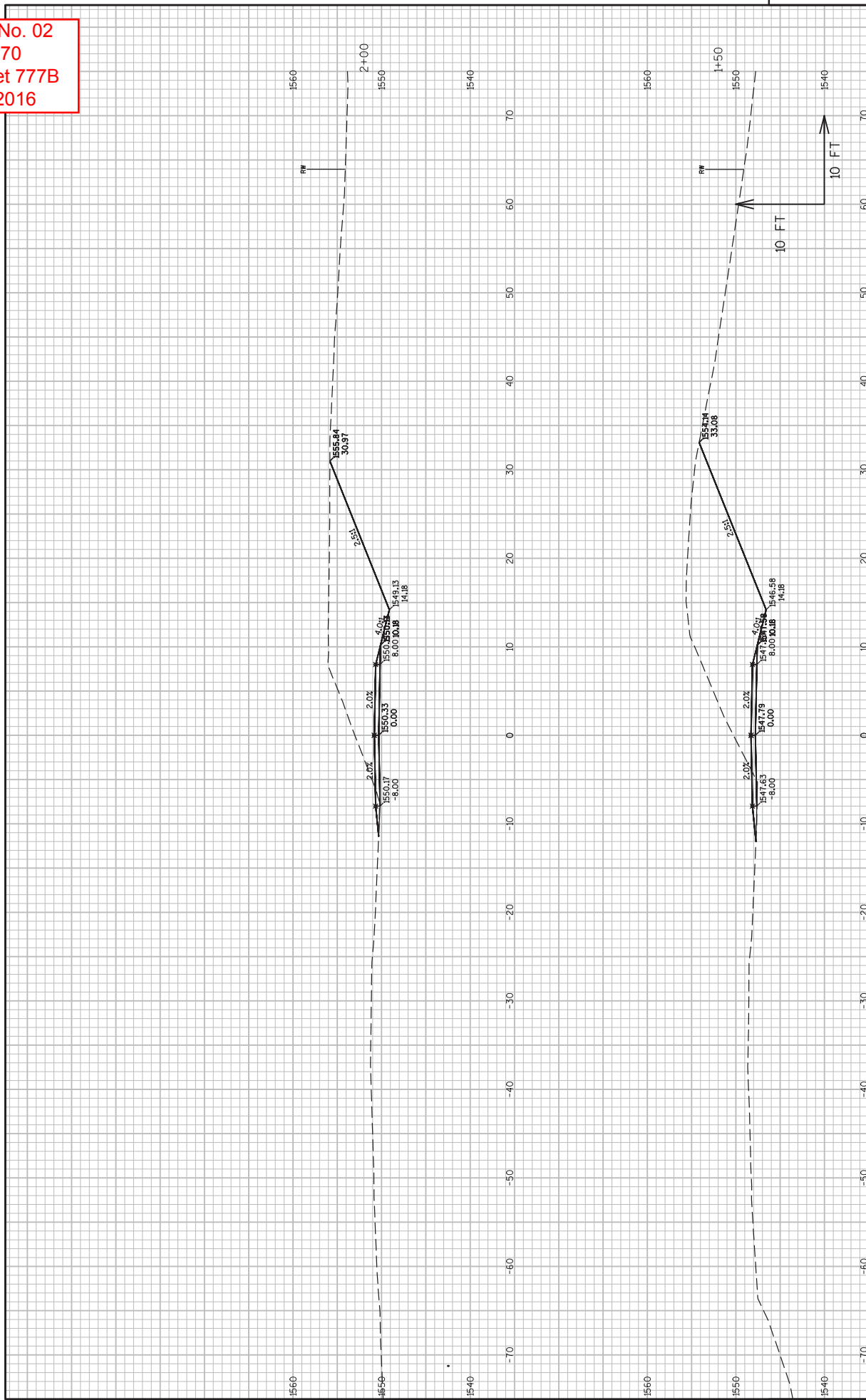
Addendum No. 02
 ID 1177-11-70
 Revised Sheet 752
 January 7, 2016



Addendum No. 02
 ID 1177-11-70
 Added Sheet 777A
 January 7, 2016

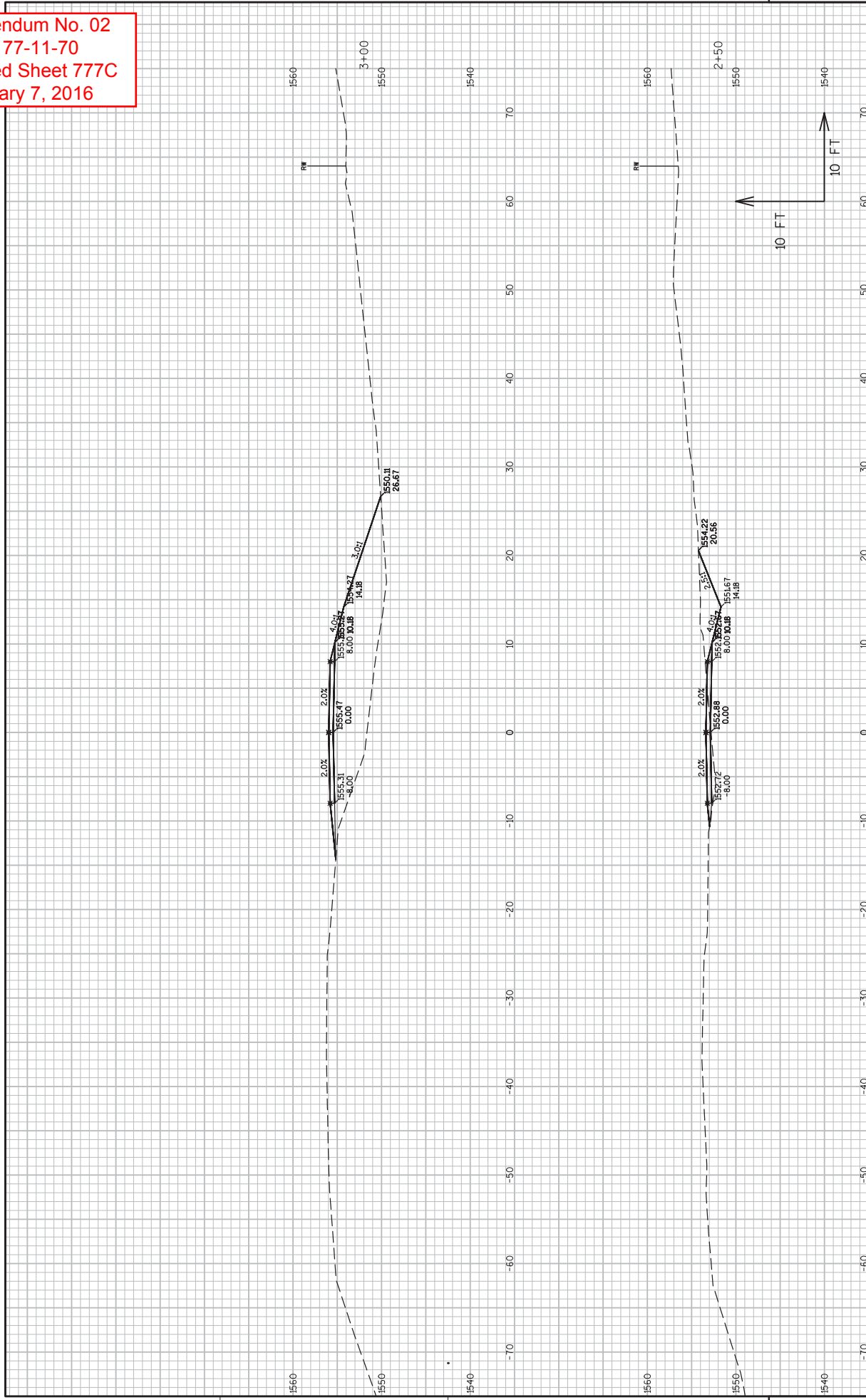


Addendum No. 02
 ID 1177-11-70
 Added Sheet 777B
 January 7, 2016



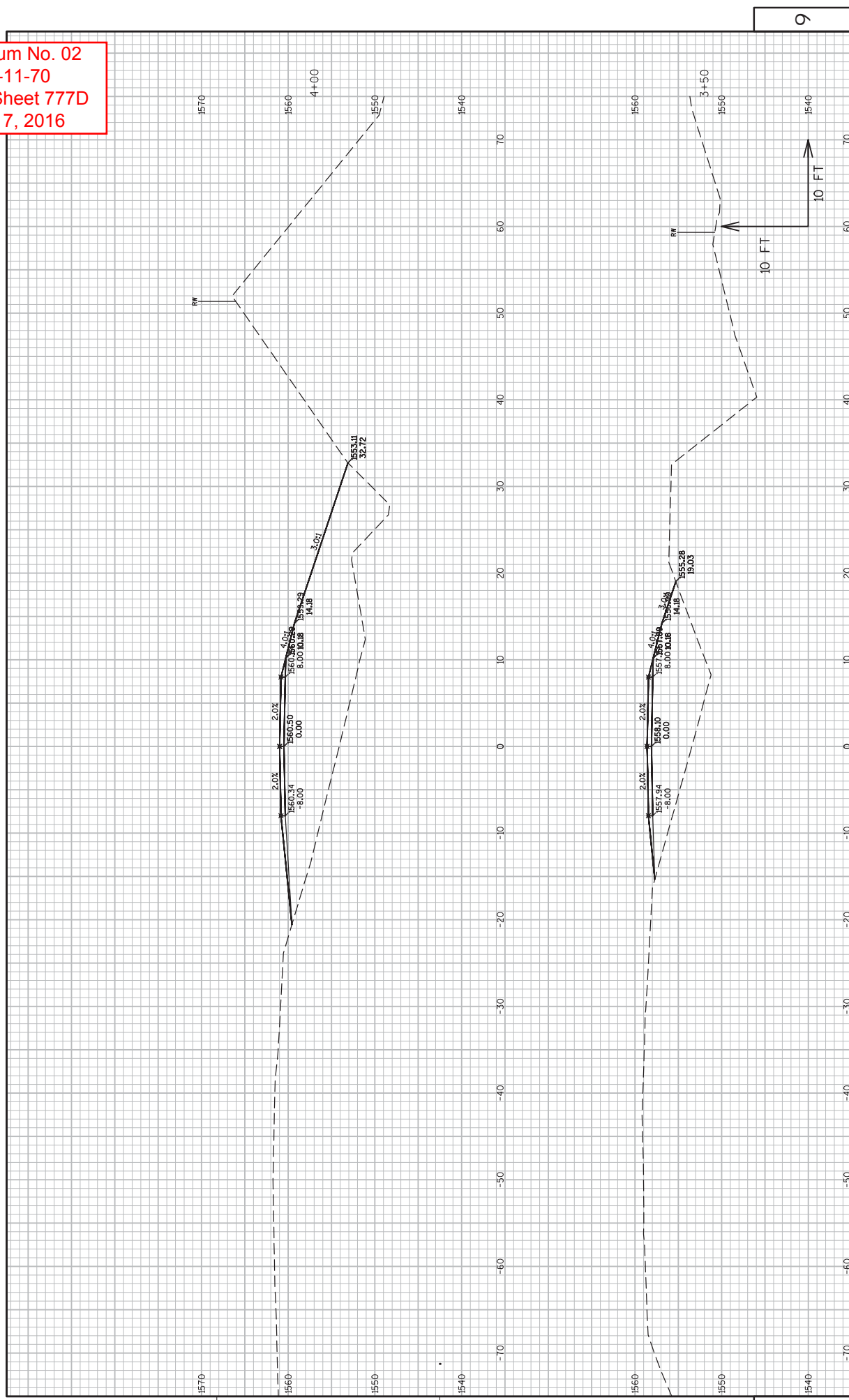
PROJECT NO: 1177-11-70
 COUNTY: ONEIDA
 HWY: USH 51
 CROSS SECTIONS: FROST BITE TRAIL TEMPORARY
 SHEET 777B E
 PLOT DATE : 1/6/2016 3:51 PM
 PLOT BY : VAN ASTEN, FORREST A PLOT NAME :
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 LAYOUT NAME - SECTION SHEET - (746)
 WSDOT/CADD SHEET 49
 PLOT SCALE : 1 IN:10 FT

Addendum No. 02
 ID 1177-11-70
 Added Sheet 777C
 January 7, 2016



PROJECT NO: 1177-11-70
 COUNTY: ONEIDA
 HWY: USH 51
 CROSS SECTIONS: FROST BITE TRAIL TEMPORARY
 SHEET 777C
 E
 9
 FILE NAME : N:\POS\330\11771100\SHEETS\PLAN\11771100 (70)\NS\090201.XS\FROST_BITE_TEMP.DWG
 LAYOUT NAME - SECTION SHEET - (747)
 PLOT DATE : 1/6/2016 3:52 PM
 PLOT BY : VAN ASTEN, FORREST A PLOT NAME :
 PLOT SCALE : 1 IN:10 FT
 WSDOT/CADD SHEET 49

Addendum No. 02
 ID 1177-11-70
 Added Sheet 777D
 January 7, 2016



PROJECT NO: 1177-11-70
 COUNTY: ONEIDA
 HWY: USH 51
 CROSS SECTIONS: FROST BITE TRAIL TEMPORARY
 SHEET 777D
 E

9

1570
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 1550
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 70
 60
 50
 40
 30
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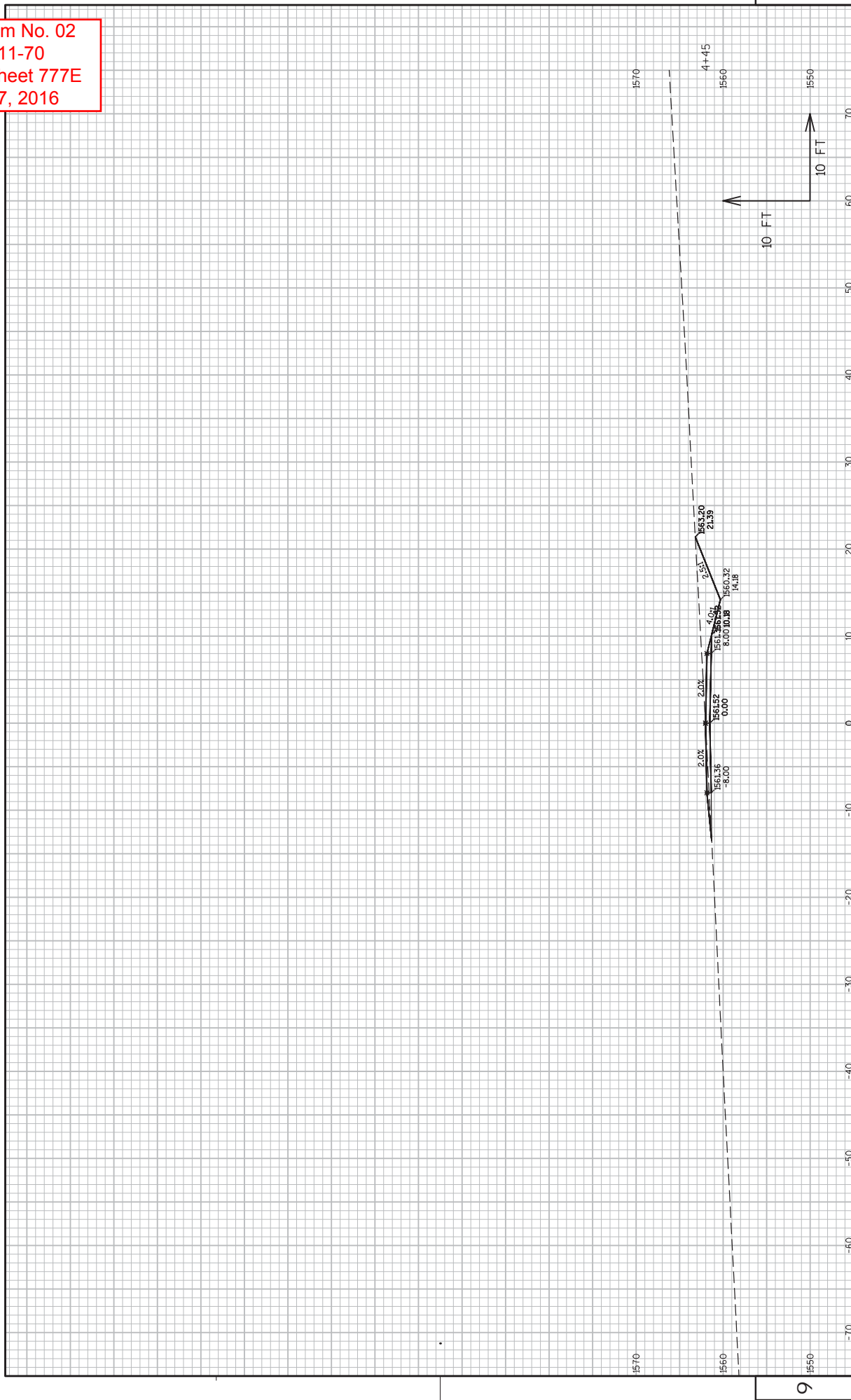
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 1560
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 1540
 10 FT
 10 FT

9

FILE NAME : N:\VPOS\C3D\11771100\SHEETS\PLAN\11771100 (70) \NS\09201.XS\FROST_BITE_TEMP.DWG
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 PLOT BY : VAN ASTEN, FORREST A PLOT NAME :
 PLOT SCALE : 1 IN=10 FT
 WISDOT/CADD SHEET 49

Addendum No. 02
ID 1177-11-70
Added Sheet 777E
January 7, 2016



9 1550 9 1560 1570

PROJECT NO: 1177-11-70

HWY: USH 51

CROSS SECTIONS: FROST BITE TRAIL TEMPORARY

COUNTY: ONEIDA

SHEET 777E

FILE NAME : N:\POS\330\11771100\SHEETS\PLAN\11771100 (70) \NS\09201.XS\FROST_BITE_TEMP.DWG
LAYOUT NAME - SECTION SHEET - (749)

PLOT DATE : 1/6/2016 3:54 PM

PLOT BY : VAN ASTEN, FORREST A PLOT NAME :

PLOT SCALE : 1 IN=10 FT

WSDOT/CADD SHEET 49

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160112011PROJECT(S):
1177-11-70FEDERAL ID(S):
WISC 2016009

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS

SECTION 0001 Contract Items

0010	108.4400 CPM Progress Schedule	1.000 EACH	.	.	.	.
0020	201.0105 Clearing	300.000 STA	.	.	.	.
0030	201.0205 Grubbing	300.000 STA	.	.	.	.
0040	203.0100 Removing Small Pipe Culverts	29.000 EACH	.	.	.	.
0050	203.0200 Removing Old Structure (station) 01. 1102+35	LUMP	LUMP	.	.	.
0060	203.0200 Removing Old Structure (station) 02. 1025+90	LUMP	LUMP	.	.	.
0070	204.0110 Removing Asphaltic Surface	27,087.000 SY	.	.	.	.
0080	204.0115 Removing Asphaltic Surface Butt Joints	793.000 SY	.	.	.	.
0090	204.0150 Removing Curb & Gutter	602.000 LF	.	.	.	.
0100	204.0165 Removing Guardrail	302.000 LF	.	.	.	.

SCHEDULE OF ITEMS

REVISED:

CONTRACT:
20160112011PROJECT(S):
1177-11-70FEDERAL ID(S):
WISC 2016009

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	205.0100 Excavation Common	657,127.000 CY	.	.	.	.
0120	205.0400 Excavation Marsh	51,339.000 CY	.	.	.	.
0130	206.1000 Excavation for Structures Bridges (structure) 01. B-43-61	LUMP	LUMP	.	.	.
0140	210.0100 Backfill Structure	640.000 CY	.	.	.	.
0150	211.0100 Prepare Foundation for Asphaltic Paving (project) 01. 1177-11-70	LUMP	LUMP	.	.	.
0160	211.0400 Prepare Foundation for Asphaltic Shoulders	684.000 STA	.	.	.	.
0170	213.0100 Finishing Roadway (project) 01. 1177-11-70	1.000 EACH	.	.	.	.
0180	214.0100 Obliterating Old Road	111.600 STA	.	.	.	.
0190	305.0110 Base Aggregate Dense 3/4-Inch	13,934.000 TON
0200	305.0120 Base Aggregate Dense 1 1/4-Inch	157,333.300 TON

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0210	305.0500 Shaping Shoulders	152.000 STA	.		.	
0220	310.0115 Base Aggregate Open Graded	166.000 CY	.		.	
0230	415.0410 Concrete Pavement Approach Slab	162.000 SY	.		.	
0240	416.1010 Concrete Surface Drains	4.920 CY	.		.	
0250	440.4410 Incentive IRI Ride	29,760.000 DOL	1.00000		29760.00	
0260	455.0105 Asphaltic Material PG58-28	2,773.000 TON	.		.	
0270	455.0605 Tack Coat	13,394.000 GAL	.		.	
0280	460.1103 HMA Pavement Type E-3	50,427.000 TON	.		.	
0290	460.2000 Incentive Density HMA Pavement	32,280.000 DOL	1.00000		32280.00	
0300	460.4000 HMA Cold Weather Paving	29,800.000 TON	.		.	
0310	460.4110.S Reheating HMA Pavement Longitudinal Joints	157,359.000 LF	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
0320	465.0120 Asphaltic Surface Driveways and Field Entrances	746.000 TON	.		.	
0330	465.0125 Asphaltic Surface Temporary	7,366.000 TON	.		.	
0340	465.0315 Asphaltic Flumes	162.000 SY	.		.	
0350	465.0425 Asphaltic Shoulder Rumble Strips 2-Lane Rural	39,800.000 LF	.		.	
0360	465.0475 Asphalt Center Line Rumble Strips 2-Lane Rural	25,810.000 LF	.		.	
0370	502.0100 Concrete Masonry Bridges	556.000 CY	.		.	
0380	502.3200 Protective Surface Treatment	884.000 SY	.		.	
0390	502.3210 Pigmented Surface Sealer	162.000 SY	.		.	
0400	503.0172 Prestressed Girder Type I 72W-Inch	834.000 LF	.		.	
0410	504.0900 Concrete Masonry Endwalls	1.700 CY	.		.	
0420	505.0400 Bar Steel Reinforcement HS Structures	6,580.000 LB	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
0430	505.0600 Bar Steel Reinforcement HS Coated Structures	74,000.000 LB	.		.	
0440	505.0800.S Bar Steel Reinforcement HS Stainless Structures	1,570.000 LB	.		.	
0450	506.2605 Bearing Pads Elastomeric Non-Laminated	12.000 EACH	.		.	
0460	506.4000 Steel Diaphragms (structure) 01. B-43-61	10.000 EACH	.		.	
0470	511.1100 Temporary Shoring	4,160.000 SF	.		.	
0480	511.1200 Temporary Shoring (structure) 01. B-43-61	9,875.000 SF	.		.	
0490	516.0500 Rubberized Membrane Waterproofing	24.000 SY	.		.	
0500	520.2018 Culvert Pipe Temporary 18-Inch	404.000 LF	.		.	
0510	520.2024 Culvert Pipe Temporary 24-Inch	412.000 LF	.		.	
0520	521.0118 Culvert Pipe Corrugated Steel 18-Inch	1,083.000 LF	.		.	
0530	521.0124 Culvert Pipe Corrugated Steel 24-Inch	316.000 LF	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
0540	521.1012 Apron Endwalls for Culvert Pipe Steel 12-Inch	2.000 EACH	.		.	
0550	521.1018 Apron Endwalls for Culvert Pipe Steel 18-Inch	58.000 EACH	.		.	
0560	521.1024 Apron Endwalls for Culvert Pipe Steel 24-Inch	16.000 EACH	.		.	
0570	522.0124 Culvert Pipe Reinforced Concrete Class III 24-Inch	561.000 LF	.		.	
0580	522.0336 Culvert Pipe Reinforced Concrete Class IV 36-Inch	254.000 LF	.		.	
0590	522.0342 Culvert Pipe Reinforced Concrete Class IV 42-Inch	432.000 LF	.		.	
0600	522.0348 Culvert Pipe Reinforced Concrete Class IV 48-Inch	200.000 LF	.		.	
0610	522.0372 Culvert Pipe Reinforced Concrete Class IV 72-Inch	178.000 LF	.		.	
0620	522.0524 Culvert Pipe Reinforced Concrete Class V 24-Inch	500.000 LF	.		.	
0630	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	16.000 EACH	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
0640	522.1036 Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH 4.000	.		.	
0650	522.1042 Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH 4.000	.		.	
0660	522.1048 Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH 2.000	.		.	
0670	522.1072 Apron Endwalls for Culvert Pipe Reinforced Concrete 72-Inch	EACH 2.000	.		.	
0680	523.0124 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 24x38-Inch	LF 112.000	.		.	
0690	523.0524 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	EACH 2.000	.		.	
0700	550.1120 Piling Steel HP 12-Inch X 53 Lb	LF 2,200.000	.		.	
0710	601.0557 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	LF 1,912.000	.		.	
0720	603.8000 Concrete Barrier Temporary Precast Delivered	LF 23,676.500	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
0730	603.8125 Concrete Barrier Temporary Precast Installed	26,028.000 LF	.		.	
0740	604.0600 Slope Paving Select Crushed Material	446.000 SY	.		.	
0750	606.0200 Riprap Medium	19.000 CY	.		.	
0760	606.0300 Riprap Heavy	682.000 CY	.		.	
0770	611.0654 Inlet Covers Type V	2.000 EACH	.		.	
0780	611.3220 Inlets 2x2-FT	2.000 EACH	.		.	
0790	612.0212 Pipe Underdrain Unperforated 12-Inch	170.000 LF	.		.	
0800	612.0406 Pipe Underdrain Wrapped 6-Inch	188.000 LF	.		.	
0810	614.0150 Anchor Assemblies for Steel Plate Beam Guard	4.000 EACH	.		.	
0820	614.2300 MGS Guardrail 3	1,213.000 LF	.		.	
0830	614.2500 MGS Thrie Beam Transition	158.000 LF	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
0840	614.2610 MGS Guardrail Terminal EAT	6.000 EACH	.		.	
0850	618.0100 Maintenance And Repair of Haul Roads (project) 01. 1177-11-70	1.000 EACH	.		.	
0860	619.1000 Mobilization	1.000 EACH	.		.	
0870	621.0100 Landmark Reference Monuments	8.000 EACH	.		.	
0880	624.0100 Water	2,295.000 MGAL	.		.	
0890	625.0100 Topsoil	347,656.000 SY	.		.	
0900	627.0200 Mulching	295,878.000 SY	.		.	
0910	628.1504 Silt Fence	10,543.000 LF	.		.	
0920	628.1520 Silt Fence Maintenance	63,255.000 LF	.		.	
0930	628.1905 Mobilizations Erosion Control	20.000 EACH	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
0940	628.1910 Mobilizations Emergency Erosion Control	12.000 EACH	.		.	
0950	628.2002 Erosion Mat Class I Type A	49,208.000 SY	.		.	
0960	628.2008 Erosion Mat Urban Class I Type B	85,149.000 SY	.		.	
0970	628.2023 Erosion Mat Class II Type B	21,943.000 SY	.		.	
0980	628.6510 Soil Stabilizer Type B	13.000 ACRE	.		.	
0990	628.7504 Temporary Ditch Checks	3,189.000 LF	.		.	
1000	628.7555 Culvert Pipe Checks	204.000 EACH	.		.	
1010	628.7570 Rock Bags	3,810.000 EACH	.		.	
1020	629.0210 Fertilizer Type B	229.000 CWT	.		.	
1030	630.0120 Seeding Mixture No. 20	3,499.000 LB	.		.	
1040	630.0130 Seeding Mixture No. 30	4,219.000 LB	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
1050	630.0140 Seeding Mixture No. 40	257.000 LB	.		.	
1060	630.0200 Seeding Temporary	11,225.000 LB	.		.	
1070	633.5200 Markers Culvert End	34.000 EACH	.		.	
1080	634.0616 Posts Wood 4x6-Inch X 16-FT	61.000 EACH	.		.	
1090	634.0620 Posts Wood 4x6-Inch X 20-FT	10.000 EACH	.		.	
1100	637.2210 Signs Type II Reflective H	486.840 SF	.		.	
1110	637.2230 Signs Type II Reflective F	84.250 SF	.		.	
1120	638.2102 Moving Signs Type II	1.000 EACH	.		.	
1130	638.2602 Removing Signs Type II	56.000 EACH	.		.	
1140	638.3000 Removing Small Sign Supports	59.000 EACH	.		.	
1150	638.4000 Moving Small Sign Supports	1.000 EACH	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
1160	642.5001 Field Office Type B	1.000 EACH	.		.	
1170	643.0200 Traffic Control Surveillance and Maintenance (project) 01. 1177-11-70	608.000 DAY	.		.	
1180	643.0300 Traffic Control Drums	55,866.000 DAY	.		.	
1190	643.0420 Traffic Control Barricades Type III	81.000 DAY	.		.	
1200	643.0705 Traffic Control Warning Lights Type A	53.000 DAY	.		.	
1210	643.0715 Traffic Control Warning Lights Type C	14,494.000 DAY	.		.	
1220	643.0800 Traffic Control Arrow Boards	18.000 DAY	.		.	
1230	643.0900 Traffic Control Signs	31,748.000 DAY	.		.	
1240	643.1050 Traffic Control Signs PCMS	762.000 DAY	.		.	
1250	645.0120 Geotextile Fabric Type HR	1,480.000 SY	.		.	
1260	646.0106 Pavement Marking Epoxy 4-Inch	106,707.000 LF	.		.	

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			DOLLARS	CTS	DOLLARS	CTS
1270	646.0126 Pavement Marking Epoxy 8-Inch	191.000 LF
1280	646.0406 Pavement Marking Same Day Epoxy 4-Inch	44,472.000 LF	.	.	.	.
1290	646.0600 Removing Pavement Markings	69,225.000 LF	.	.	.	.
1300	648.0100 Locating No-Passing Zones	5.450 MI	.	.	.	.
1310	649.0402 Temporary Pavement Marking Paint 4-Inch	305,507.000 LF	.	.	.	.
1320	649.1400 Temporary Pavement Marking Stop Line Removable Tape 24-Inch	96.000 LF	.	.	.	.
1330	650.4500 Construction Staking Subgrade	30,866.000 LF	.	.	.	.
1340	650.5000 Construction Staking Base	30,866.000 LF	.	.	.	.
1350	650.5500 Construction Staking Curb Gutter and Curb & Gutter	1,912.000 LF
1360	650.6000 Construction Staking Pipe Culverts	17.000 EACH

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1370	650.6500 Construction Staking Structure Layout (structure) 01. B-43-61	LUMP	LUMP			.
1380	650.9910 Construction Staking Supplemental Control (project) 01. 1177-11-70	LUMP	LUMP			.
1390	650.9920 Construction Staking Slope Stakes	30,886.000 LF		.		.
1400	661.0300 Generators	49.000 DAY		.		.
1410	690.0150 Sawing Asphalt	30,156.000 LF		.		.
1420	690.0250 Sawing Concrete	61.000 LF		.		.
1430	715.0415 Incentive Strength Concrete Pavement	500.000 DOL		1.00000		500.00
1440	715.0502 Incentive Strength Concrete Structures	2,928.000 DOL		1.00000		2928.00
1450	ASP.1T0A On-the-Job Training Apprentice at \$5.00/HR	500.000 HRS		5.00000		2500.00
1460	ASP.1T0G On-the-Job Training Graduate at \$5. 00/HR	360.000 HRS		5.00000		1800.00

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			DOLLARS	CTS	DOLLARS	CTS
1470	SPV.0035 Special 01. Roadway Embankment	453,827.000 CY
1480	SPV.0035 Special 02. Marsh Backfill	51,339.000 CY	.	.	.	.
1490	SPV.0060 Special 01. Reestablish Section Corner Monuments	2.000 EACH	.	.	.	.
1500	SPV.0105 Special 01. Temporary Traffic Signals (Phase 1 Stage 3)	LUMP	LUMP	.	.	.
1510	SPV.0105 Special 02. Temporary Traffic Signals (Phase 1 Stage 4)	LUMP	LUMP	.	.	.
1520	SPV.0105 Special 03. Temporary Traffic Signals (Phase 2 Stage 3) South Signal	LUMP	LUMP	.	.	.
1530	SPV.0105 Special 04. Temporary Traffic Signals (Phase 2 Stage 3) North Signal	LUMP	LUMP	.	.	.
1540	SPV.0105 Special 05. Temporary Traffic Signals Station 925+25 Culvert	LUMP	LUMP	.	.	.
1550	SPV.0105 Special 06. Temporary Traffic Signals Station 942+90 Culvert	LUMP	LUMP	.	.	.

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			DOLLARS	CTS	DOLLARS	CTS
1560	SPV.0105 Special 07. Temporary Traffic Signals Station 1026+23 Culvert	LUMP	LUMP			.
1570	SPV.0105 Special 08. Outfall Structure STA 925+67 LT	LUMP	LUMP			.
1580	SPV.0105 Special 09. Temporary Pumps Rocky Run Creek	LUMP	LUMP			.
1590	SPV.0180 Special 01. Protective Thermoplastic Coating at Snowmobile Crossing	SY	117.000			.
1600	614.0905 Crash Cushions Temporary	EACH	1.000			.
	SECTION 0001 TOTAL					.
	TOTAL BID					.