Wisconsin Department of Transportation

Division of Transportation Systems Development
Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
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April 26, 2018

NOTICE TO ALL CONTRACTORS:

Proposal #13: 2709-03-70, WISC 2018 239
Lovers Lane
CTH Q – CTH E
STH 164
Washington County

Letting of May 8, 2018

This is Addendum No. 01, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
18	Notice to Contractor – Potential Waste Site
59	Field Facilities Office Space, Item SPV.0060.10
71	Temporary Sedimentation Basin Installation and Maintenance STA 100+90 LT, Item SPV.0105.06; STA 103+00 RT, Item SPV.0105.07

Deleted Special Provisions	
Article No.	Description
34	Removing Solar Device and Pole, Item 204.9105.10

Schedule of Items:

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
205.0400	Excavation Marsh	CY	11,129	184	11,313
209.2500	Backfill Granular Grade 2	Ton	26,160	2,866	29,026
608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	499	-19	480
608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	951	-21	930
608.0342	Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	LF	164	9	173

608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	616	19	635
608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	263	-94	169
608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	2477	-213	2264
608.0442	Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	LF	23	-6	17
608.3018	Storm Sewer Pipe Class III-A 18-Inch	LF	284	95	379
608.3024	Storm Sewer Pipe Class III-A 24-Inch	LF	3820	211	4031
611.0624	Inlet Covers Type H	Each	7	2	9
611.0627	Inlet Covers Type HM	Each	68	-2	66
611.0642	Inlet Covers Type MS	Each	27	-2	25
611.2005	Manholes 5-Ft Diameter	Each	37	-1	36
611.2006	Manholes 6-FT Diameter	Each	6	1	7
611.3902	Inlets Median 2 Grate	Each	13	-1	12
627.0200	Mulching	SY	251,181	185,630	436,811
628.1504	Silt Fence	LF	20,770	4,970	25,740
628.1520	Silt Fence Maintenance	LF	29,465	2,350	31,815
629.0210	Fertilizer Type B	CWT	498	181	679
630.0120	Seeding Mixture No. 20	LBS	13,750	4,010	17,760
630.0200	Seeding Temporary	LBS	12,040	2,500	9,540
SPV.0060.03	Moving Solar Device and Pole	Each	7	1	8

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
204.9105.10	Removing Solar Device and Pole	LS	1	-1	0

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
87 to 92	Paving Details – Revised Elevations
156	Storm Sewer – Revised Rim Elevation
159	Storm Sewer – Revised Pipe Class
169	Storm Sewer – Revised Pipe Class
171	Storm Sewer – Revised Pipe Class
172	Storm Sewer – Revised Pipe Class and Rim Elevations
176	Storm Sewer – Revised Rim Elevations
183	Storm Sewer – Revised Pipe Class and Rim Elevations
187	Storm Sewer – Revised Rim Elevations
189	Storm Sewer – Revised Rim Elevations, Removed H450 and P451
190	Storm Sewer – Revised Rim Elevations, Revised Pipe Class, Removed H450 and P451
275	Signing Removal Plan – Added note to 91R and 98R to move signs and poles to another location on project.
278	Signing Removal Plan – Revised note to move 134R instead of removing sign.
309	Permanent Signing Plan – Revised note for 178 to note moving sign instead of removing sign.
430	Alignment Plan – Revised Superelevation Table for STH 167 EB Curve 1

453	Miscellaneous Quantities - Quantity Revision for Excavation Marsh and Backfill Granular Grade 2
461	Miscellaneous Quantities - Quantity Revision for Mulching, Fertilizer Type B, Seed Mixture No. 20, and Seeding Temporary
464 to 469	Miscellaneous Quantities – Revised Pipe Class, Rim Elevations, eliminated H450 and P451
470	Miscellaneous Quantities – Revised quantities for several structures, castings, and pipes
471	Miscellaneous Quantities – Revised Station/Offsets for three endwalls
476	Miscellaneous Quantities - Quantity Revision for Silt Fence and Silt Fence Maintenance
478 to 483	Miscellaneous Quantities – Eliminated 204.9105.10 Bid item
490	Miscellaneous Quantities – Added note and 1 Moving Solar Device and Pole
493	Miscellaneous Quantities – Added 1 Moving Solar Device and Pole
778	Miscellaneous Quantities -Revised Earthwork Detail sheet for State 1

Added Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was added)
918A	Cross Sections (Sheet was missing from plan set)

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. 1

2709-03-70

April 26, 2018

Special Provisions

18. Notice to Contractor – Potential Waste Site

Replace entire article language with the following:

The contractor may use WisDOT right of way along the west side of STH 164 between Station 75+00 and Station 91+00 as a potential waste site. The engineer shall approve the use of this site in writing prior to any material being placed at this site. Drainage shall be maintained at all times and any material placed shall not create a sight distance hazard for vehicles turning onto STH 164 from any sideroads. Any additional culvert pipes, endwalls, or other structures required to maintain drainage are the responsibility of the contractor and no additional payment will be made for additional drainage structures. There are no height restrictions to any berm that is constructed but all slopes shall be 4:1 or flatter with a 6 foot wide flat spot on top.

Restoration and erosion control shall be paid for separately using Contract bid items. Salvaging, stockpiling, rehandling, and spreading of topsoil within the waste site shall be in accordance with Section 208.5(2) and shall not be paid for separately. Any permits required from the Village of Richfield or the Wisconsin Department of Natural Resources are the responsibility of the contractor and shall be approved prior to any material being placed at this waste site. Maintain proper clearances to all overhead utilities at all times. The contractor shall notify the owners of all buried utilities prior to placement of any waste material. If a utility determines that their utility facility will need to be adjusted any costs to relocate the utility will be the responsibility of the contractor and no additional payment will be made for utility adjustments.

34. DELETED.

59. Field Facilities Office Space, Item SPV.0060.10.

Replace entire article language with the following:

A Description

This special provision describes furnishing, equipping, and maintaining a field office as required in the contract at engineer-approved locations conforming to standard spec 642 and as follows.

B Materials

Provide Field Facilities Office Space conforming to standard spec 642.2.1 except delete paragraphs (1), (7), and (9).

Replace standard spec 642.2.1(4) with the following:

Provide and maintain suitable interior sanitary facilities conforming to State and local health requirements, in clean and good working condition, and stock with sanitary supplies for the duration of the contract. Furnish office space in an existing office building or existing building converted to office space with a minimum of 1200 square feet. The facility shall have no fee parking with a minimum parking for 15 cars. The space shall include a meeting room with a minimum of 350 square feet. The exterior door(s) shall have locks in good working order and keys provided for all field staff. The office space shall be located within 2 miles of the construction project.

Equip the office as specified in standard spec 642.2.2.1 except delete paragraph (1) and (4) and add the following:

1. 7 suitable office desks with drawers and locks.
2. 7 ergonomically correct office chairs in working condition with at a minimum: 5-legged base with casters, seat adjustable from 15 to 22 inches from the floor with a seamless waterfall, rounded, front edge, and high backrest with no arms or adjustable arms.
3. 6 six foot folding tables.
4. 1 ten foot folding table.
5. 3 four-shelf bookcases.
6. 20 folding chairs.

Provide for the professional cleaning of the field office during regular business hours twice monthly. Provide clearly marked recycling and waste receptacles within the field office, and separate recycling and waste dumpsters near the field office. Cover outdoor containers to keep out rain, snow, and wind-driven debris. Provide regularly scheduled recycling and waste pick-up.

The Richfield Fire Company Station at 1101 STH 164 shall be considered an approved equal even if the station does not meet the requirements of this Special Provision.

C Construction
Conform to standard spec 642.3 except delete paragraph (2).

D Measurement
The department will measure the Field Facilities Office Space as each office acceptably completed.

E Payment
The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.10	Field Facilities Office Space	EACH

Payment is full compensation for providing, equipping, securing, and maintaining the facility; for parking, for telecommunications equipment, installation, and service fees; and for providing bottled water, utilities, fuel, ventilation, and toilet facilities as required, either independently or jointly with the field laboratory, for the time specified in 642.3.

The department will pay for the cost of telecommunications usage fees incurred by department staff.

71. Temporary Sedimentation Basin Installation and Maintenance STA 100+90 LT, Item SPV.0105.06; STA 103+00 RT, Item SPV.0105.07.

Replace entire article language with the following:

A Description
Furnish and maintain a temporary sedimentation basin to intercept sediment-laden runoff and retain the sediment.

B Materials
According to DNR Technical Standard 1064 (Sediment Basin).

All materials necessary to construct the temporary sedimentation basin including fill, temporary culvert pipe, riser, concrete riser base are included in the temporary sedimentation basin installation and maintenance bid item.

C Construction
Furnish, maintain and remove Temporary Sedimentation Basins following the guidance in DNR with DNR Technical Standard 1064 (Sediment Basin). Locations as directed by the engineer. General locations requiring Temporary Sedimentation Basins is at a point of discharge during construction activities. Temporary Sedimentation Basins shall be in place prior to grading operations north of the basins.

All open areas around sedimentation basins shall be restored with erosion mat immediately after construction and immediately after removal of the sedimentation basin.

The soil under the sedimentation basin shall be tilled after the basin is removed to uncompact the soil that was compacted with the installation of the sedimentation basin.

Remove the basin after sufficient vegetation has been established on slopes draining to the basin. Do not remove the basin without the written approval of the engineer.

Measure the existing topsoil depth during installation of the temporary sedimentation basin. After removal of the temporary sedimentation basin backfill the top of the excavation with a minimum of 24 inches of topsoil. If the existing topsoil depth is greater than 24 inches, the topsoil depth shall match the existing topsoil depth.

D Measurement
The department will measure Temporary Sedimentation Basins as a single lump sum unit of work for each individual sedimentation basin, installed according to the contract and acceptably completed.

E Payment
The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.06	Temporary Sedimentation Basin Installation and Maintenance Station 100+90 LT	LS
SPV.0105.07	Temporary Sedimentation Basin Installation and Maintenance Station 103+00 RT	LS

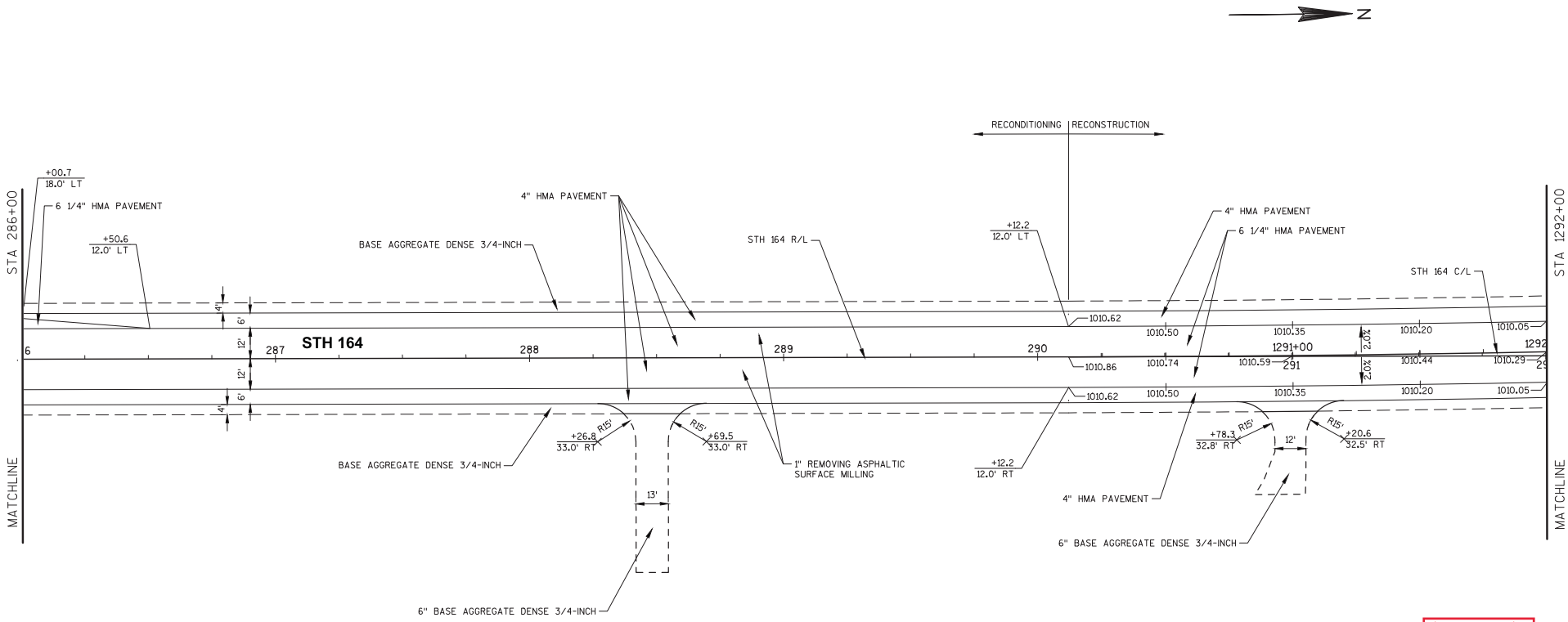
Payment is full compensation for furnishing and maintaining each basin; for temporary culvert pipe and endwall, corrugated metal riser, concrete riser base; and for removal of the basin.

Schedule of Items
Attached, dated April 26, 2018, are the revised Schedule of Items Pages 1 – 19.

Plan Sheets
The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:
Revised: 87 to 92, 156, 159, 169, 171, 172, 176, 183, 187, 189, 190, 275, 278, 309, 430, 453, 461, 464 to 471, 476, 478 to 483, 490, 493, and 778.
Added: 918A

END OF ADDENDUM

NOTE: ALL STATIONS AND OFFSETS TAKEN FROM STH 164 R/L THIS SHEET



Addendum No. 01
ID 2709-03-70
Revised Sheet 87
April 26, 2018

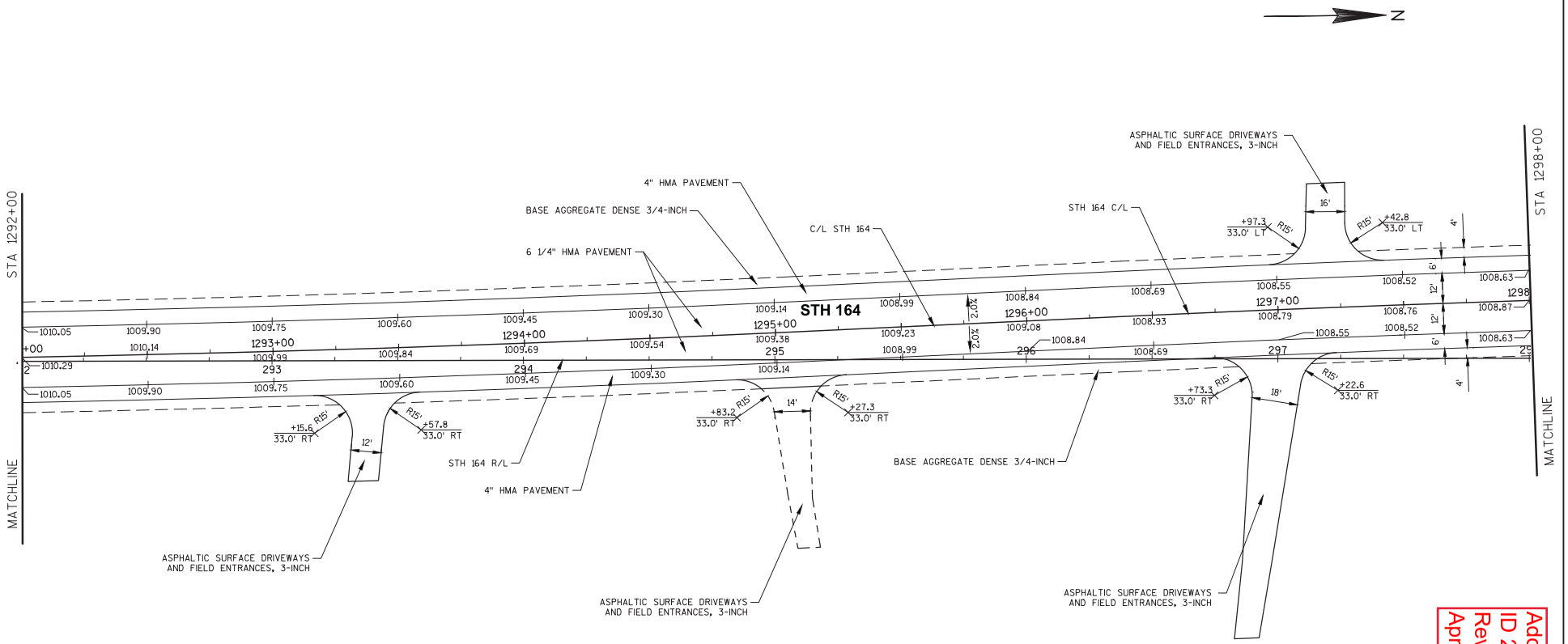
PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	PAVING DETAILS - STH 164	SHEET 87	E

FILE NAME = T:\1102717\CADD\CIVIL 3D\2709030\SHEETSPLANS\031103_TD.DWG PLOT DATE = 8/3/2009 8:35 AM PLOT BY = BLACKWOOD, JIM PLOT NAME =

2

2

ALL STATIONS/OFFSETS TAKEN FROM STH 164 C/L THIS SHEET



Addendum No. 01
ID 2709-03-70
Revised Sheet 88
April 26, 2018

PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	PAVING DETAILS - STH 164	SHEET 88	E

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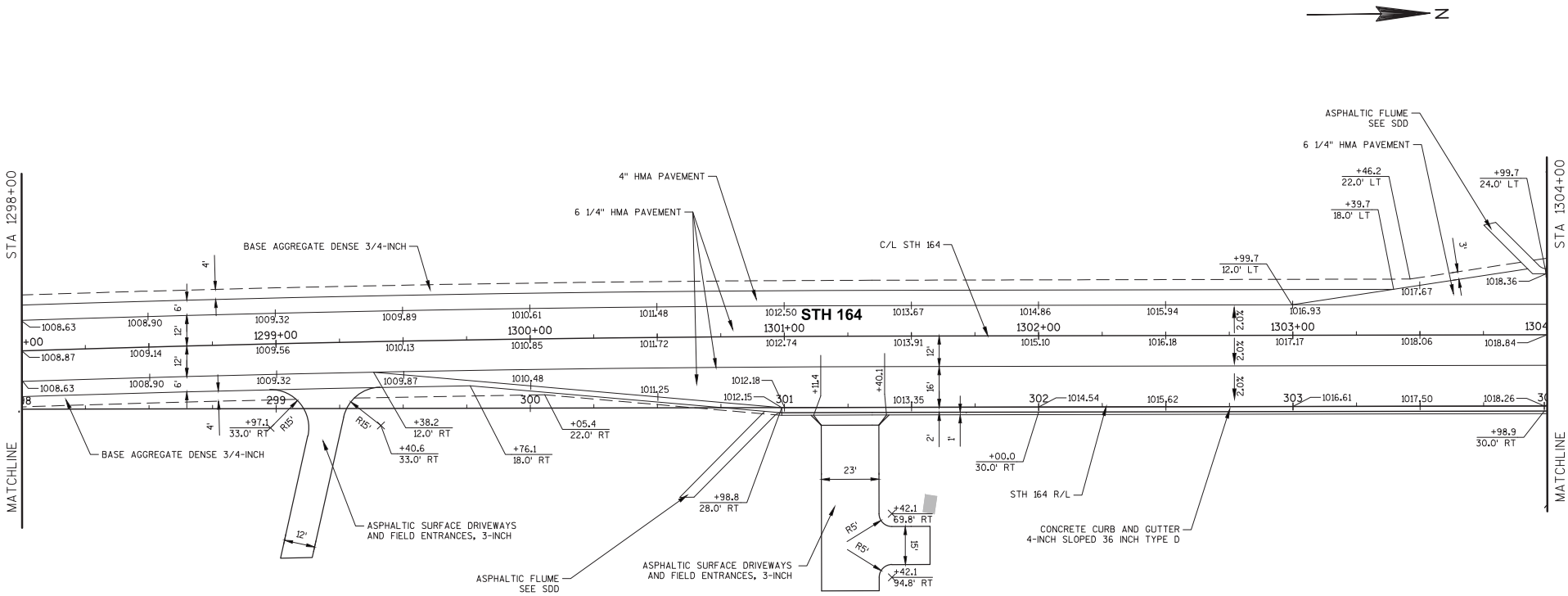

Addendum No. 01
ID 2709-03-70
Revised Sheet 89
April 26, 2018

PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	PAVING DETAILS - STH 164	SHEET 89	E

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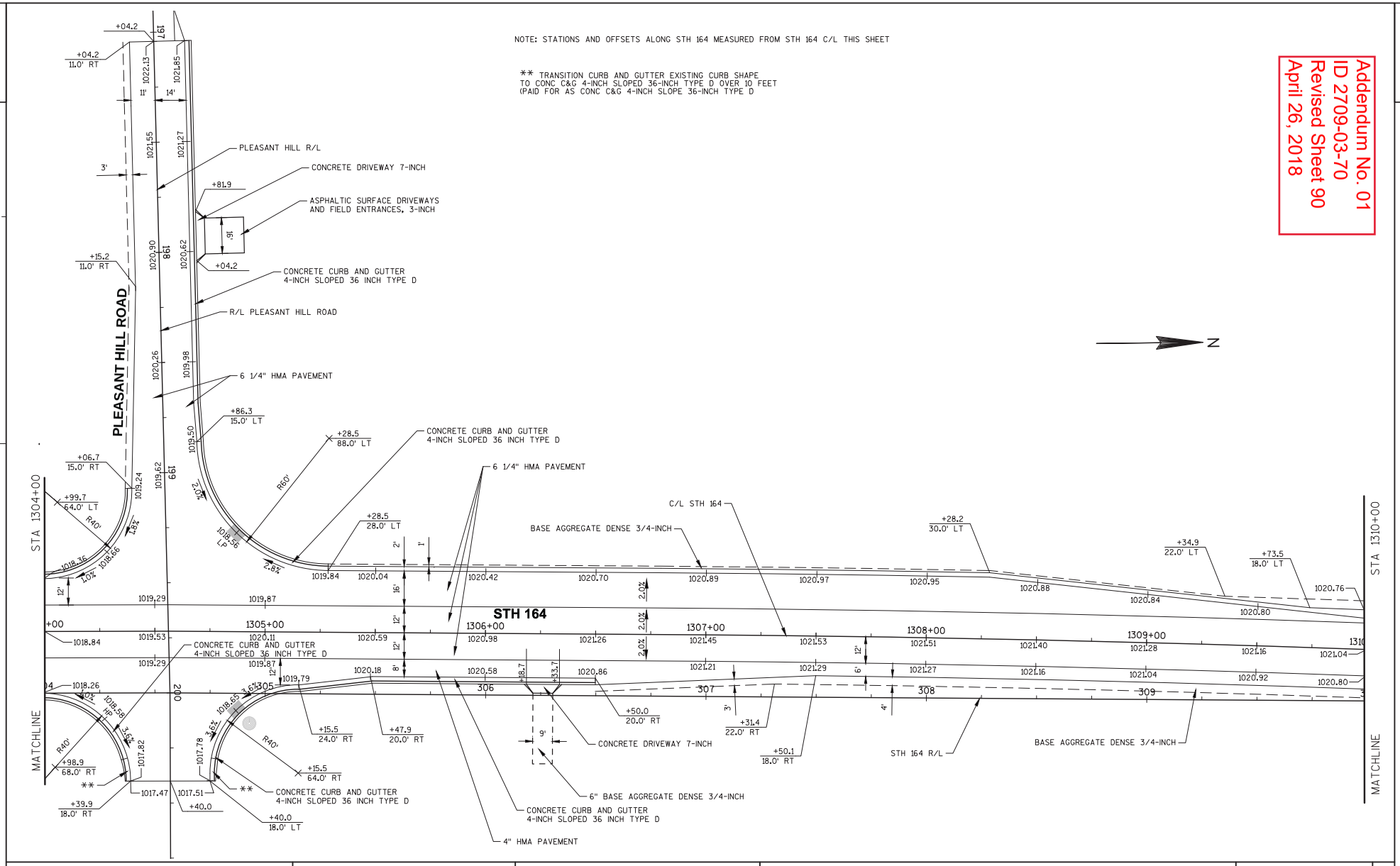
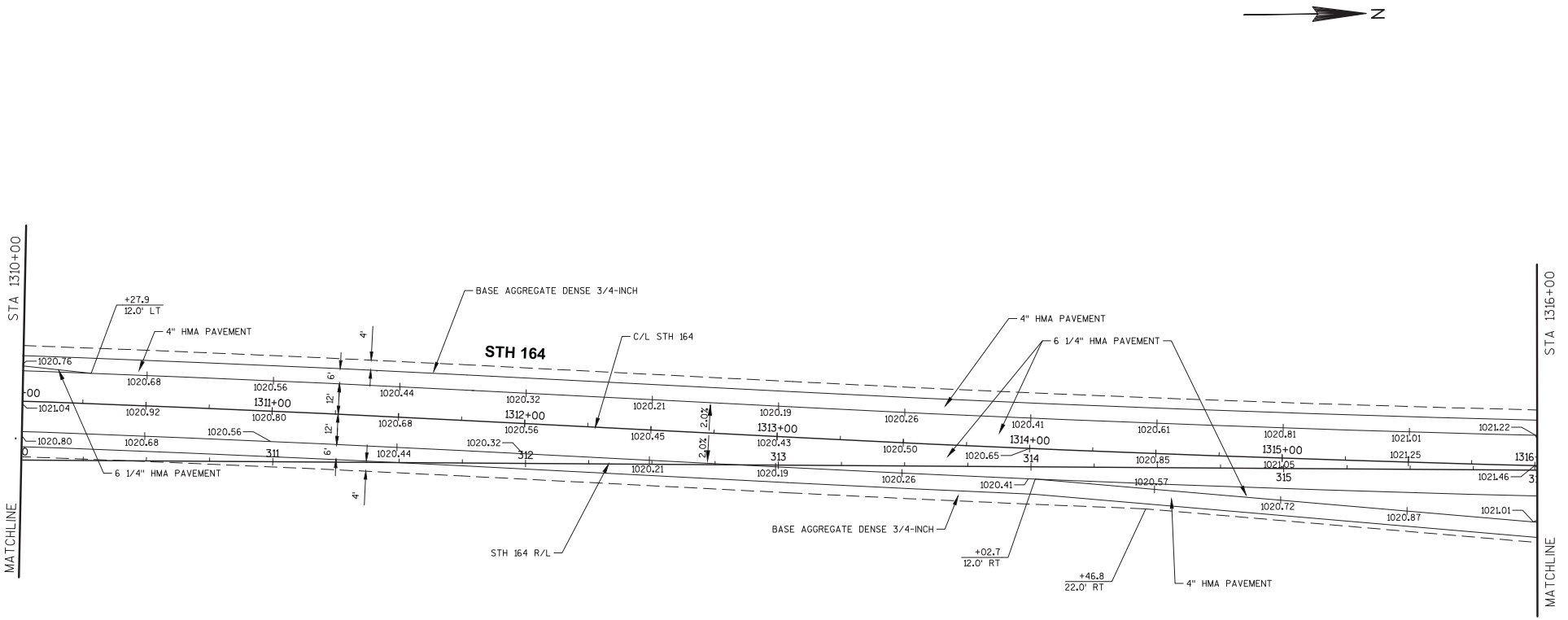


PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	PAVING DETAILS - STH 164	SHEET 90	E

NOTE: STATIONS AND OFFSETS ALONG STH 164 MEASURED FROM STH 164 C/L THIS SHEET



Addendum No. 01
ID 2709-03-70
Revised Sheet 91
April 26, 2018

PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	PAVING DETAILS - STH 164	SHEET 91	E

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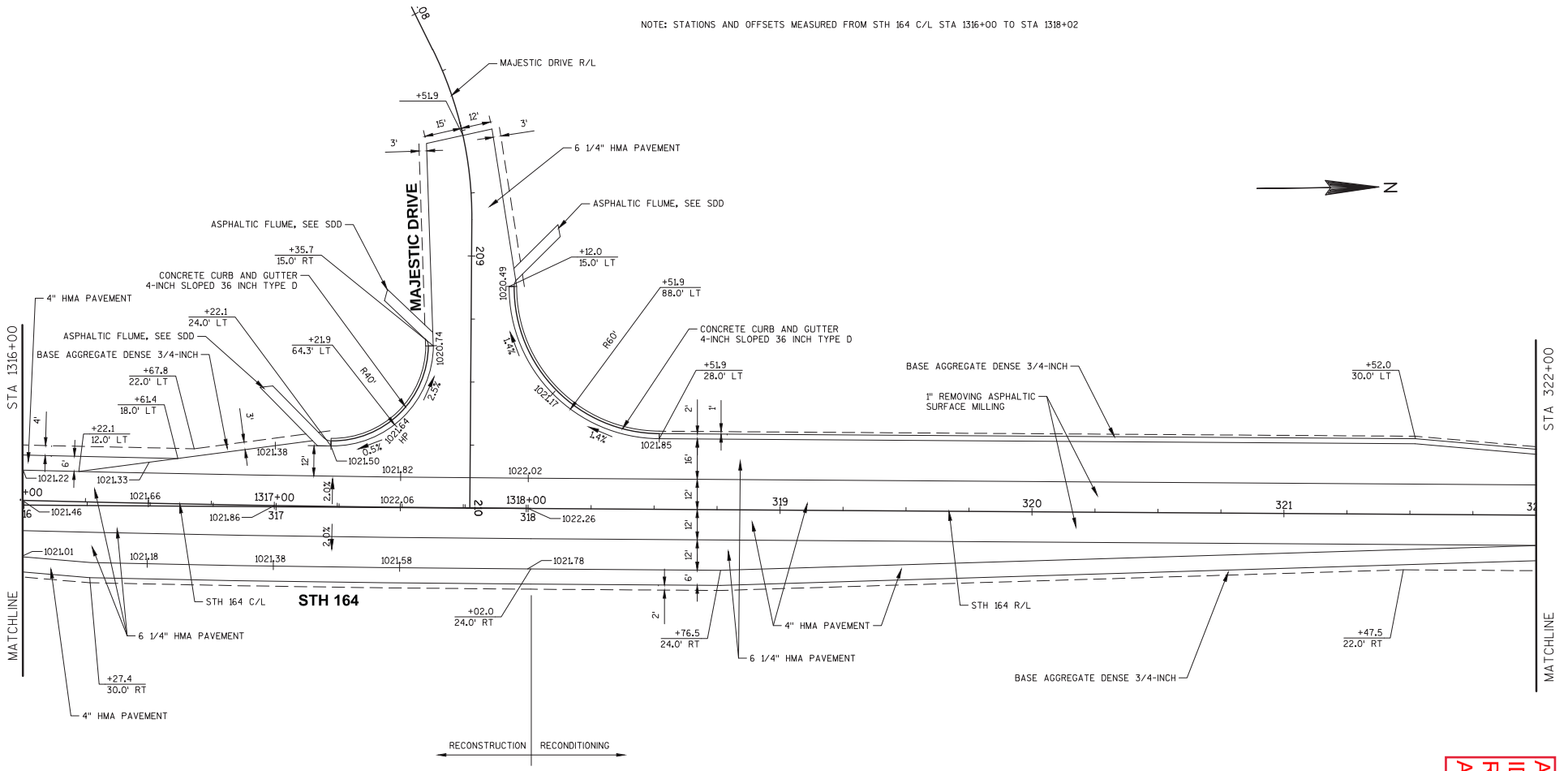
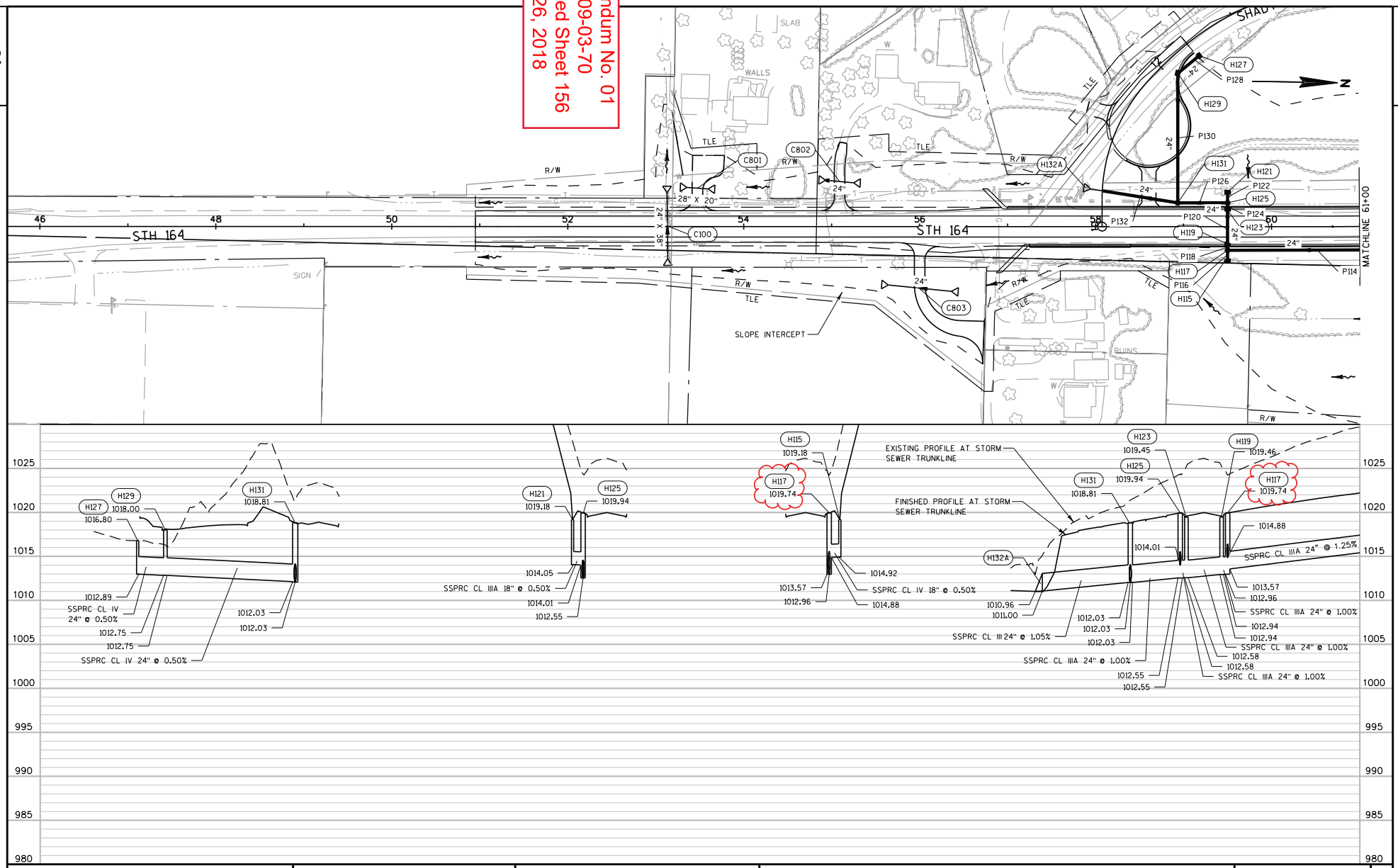
NOTE: STATIONS AND OFFSETS MEASURED FROM STH 164 C/L STA 1316+00 TO STA 1318+02



Addendum No. 01
ID 2709-03-70
Revised Sheet 92
April 26, 2018

PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	PAVING DETAILS - STH 164	SHEET 92	E

Addendum No. 01
ID 2709-03-70
Revised Sheet 156
April 26, 2018



PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	STORM SEWER - STH 164	SHEET 156	E

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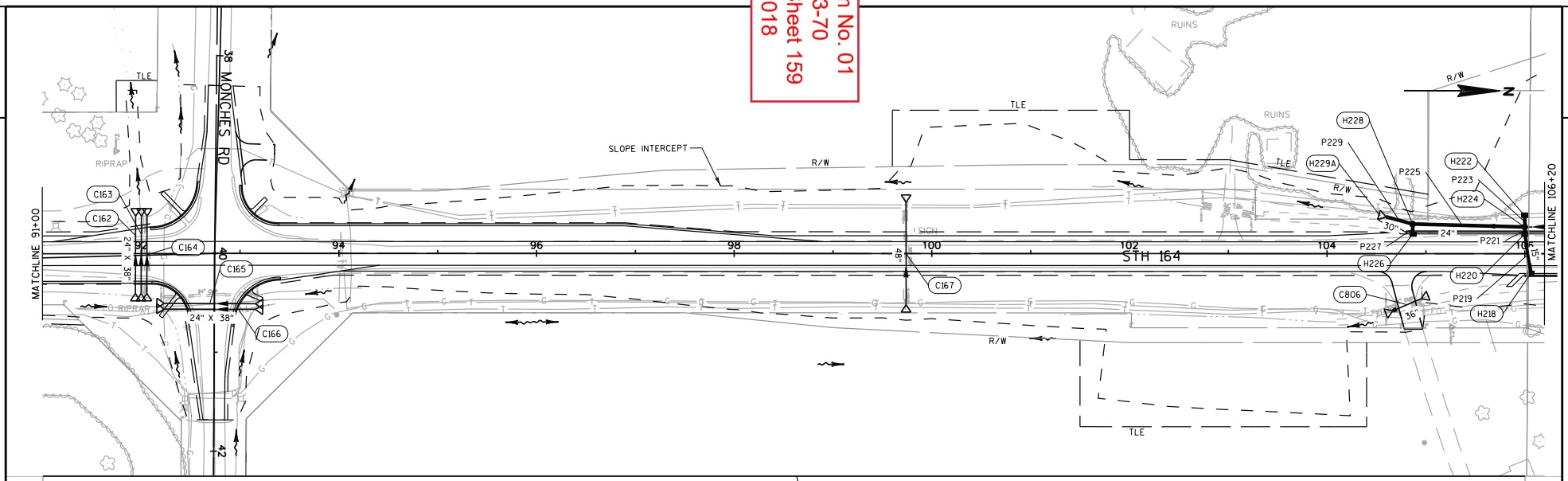
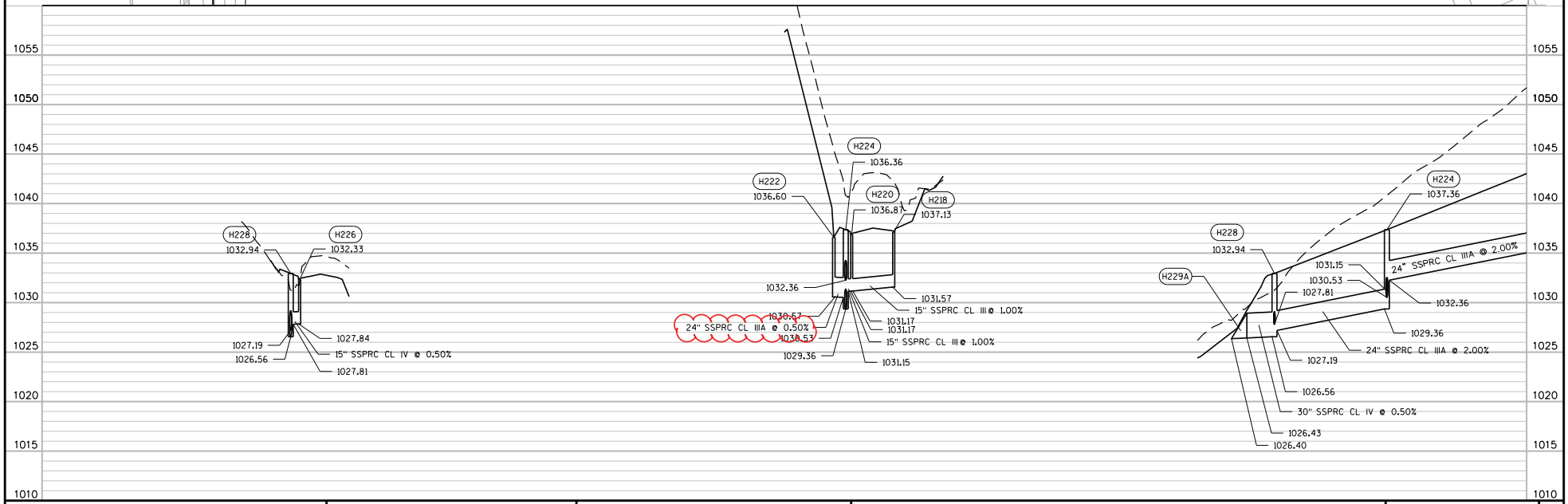
WISDOT/CADDS SHEET 41

Addendum No. 01
ID 2709-03-70
Revised Sheet 159
April 26, 2018





PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	STORM SEWER - STH 164	SHEET 159	E

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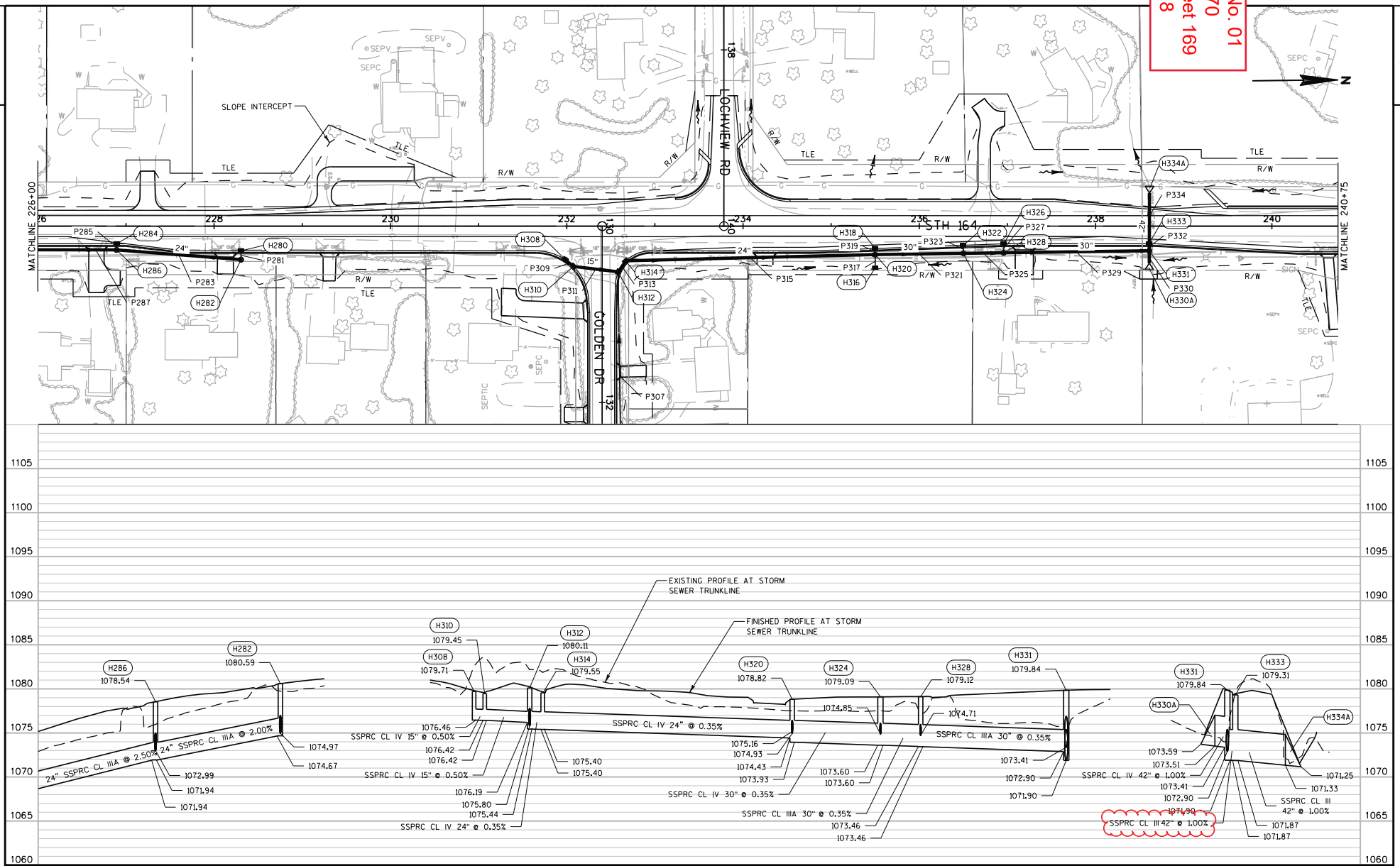
WISDOT/CADDS SHEET 41

Addendum No. 01
ID 2709-03-70
Revised Sheet 169
April 26, 2018



PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	STORM SEWER - STH 164	SHEET 169	E

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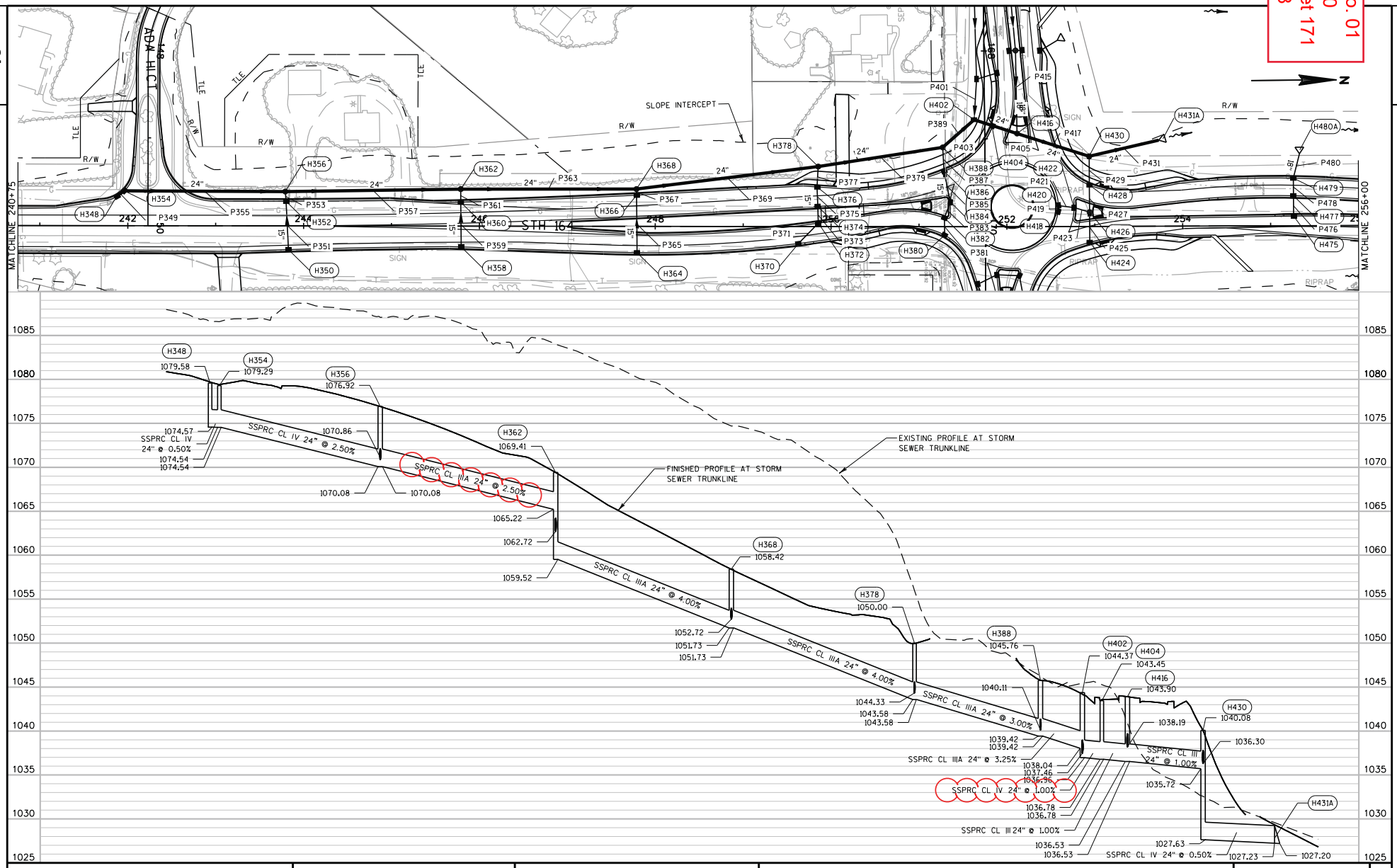
WISDOT/CADDS SHEET 41

Addendum No. 01
ID 2709-03-70
Revised Sheet 171
April 26, 2018



PROJECT NO:2709-03-70	HWY: STH 164	COUNTY:WASHINGTON	STORM SEWER - STH 164	SHEET 171	E

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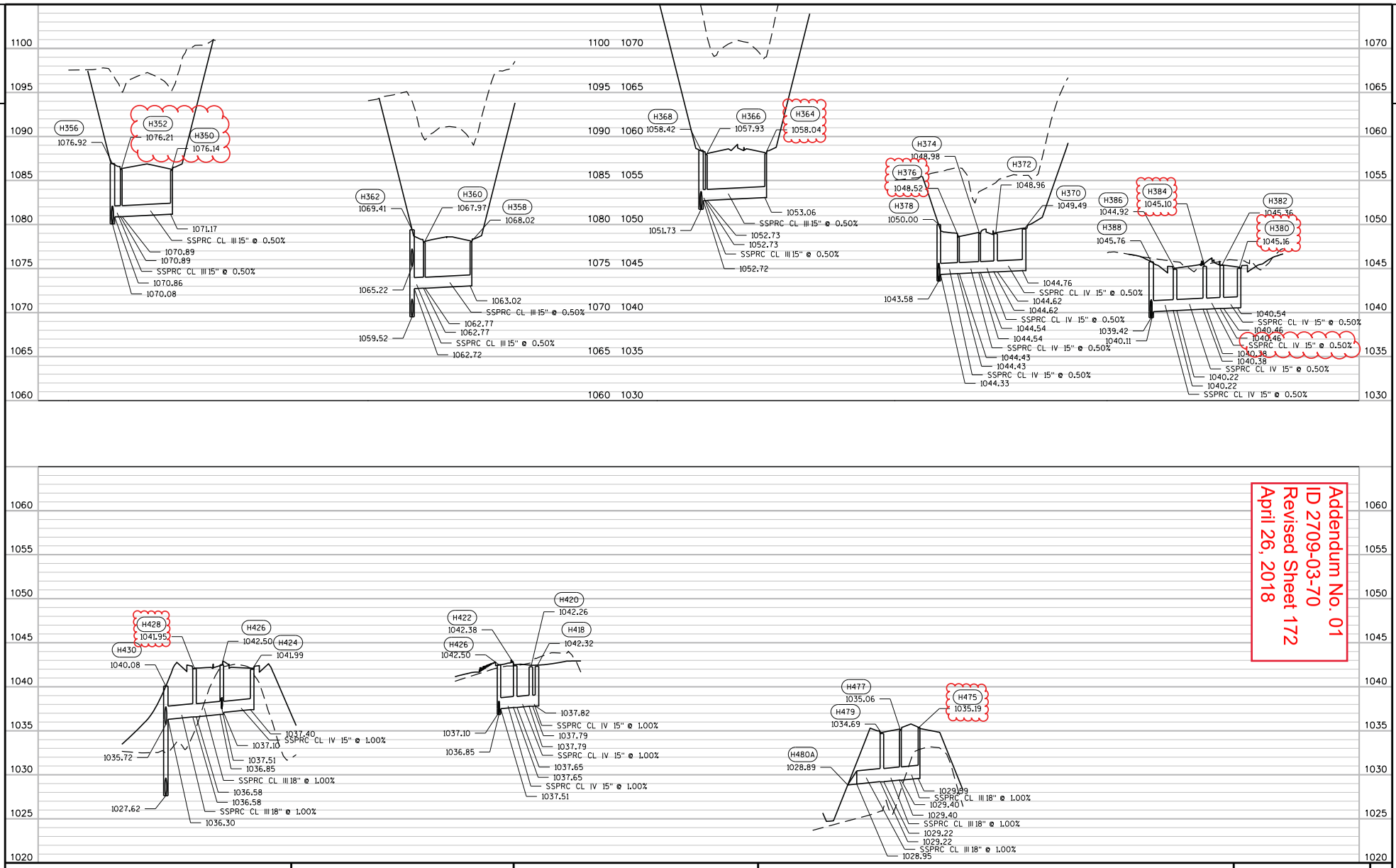

Addendum No. 01
ID 2709-03-70
Revised Sheet 172
April 26, 2018

PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	STORM SEWER - STH 164	SHEET 172	E

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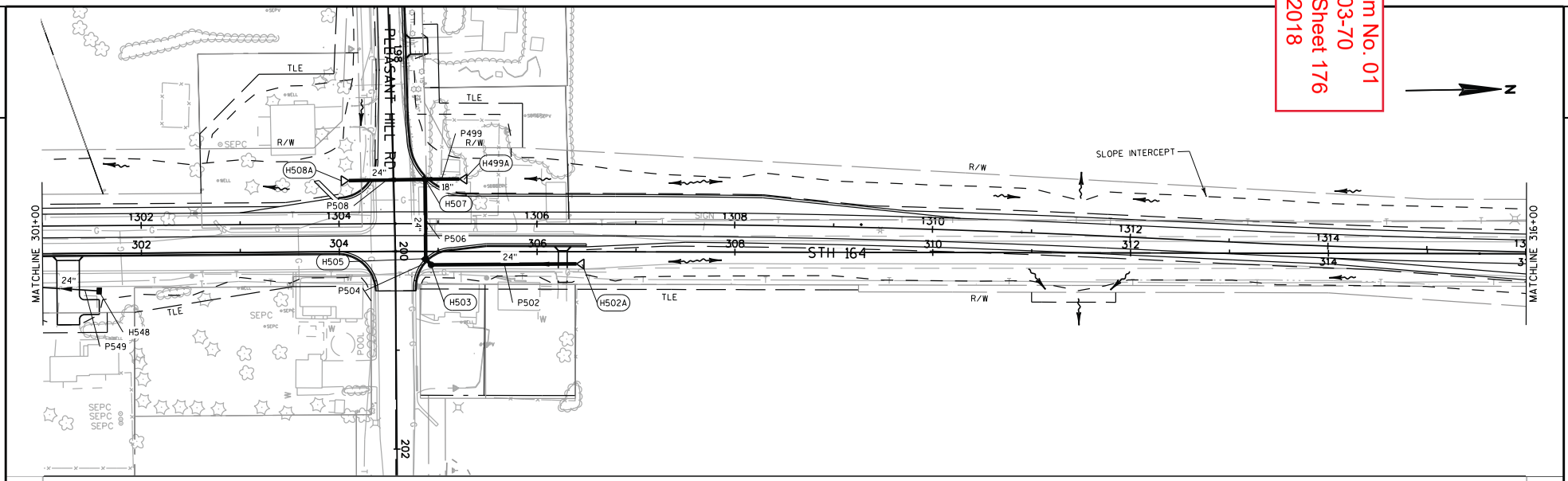
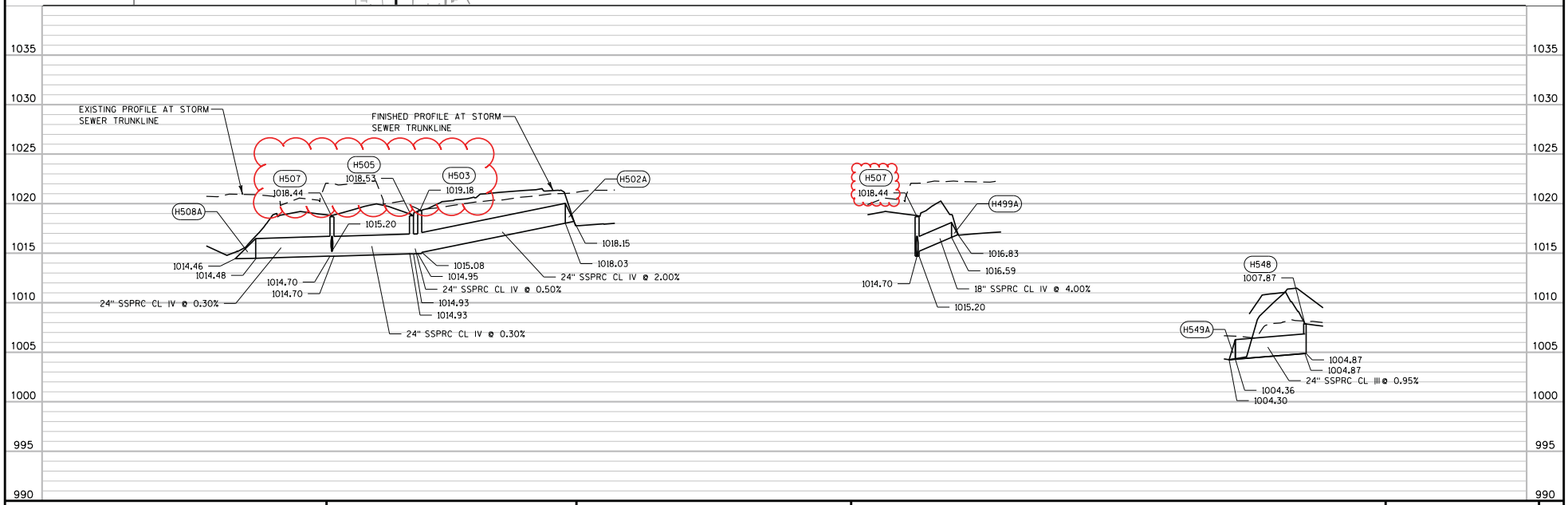
WISDOT/CADDS SHEET 41

Addendum No. 01
ID 2709-03-70
Revised Sheet 176
April 26, 2018





PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	STORM SEWER - STH 164	SHEET 176	E

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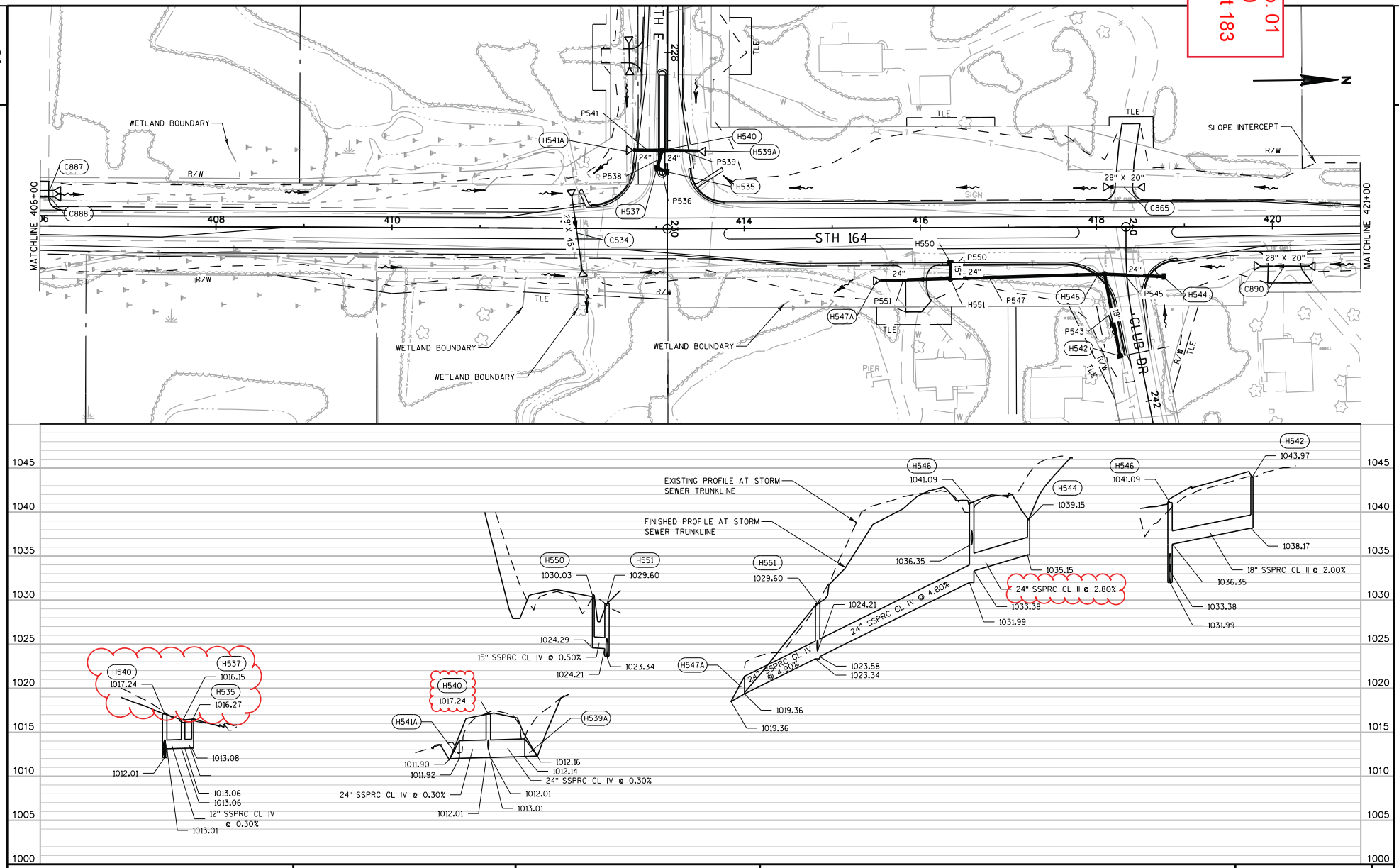
WISDOT/CADDS SHEET 41

Addendum No. 01
ID 2709-03-70
Revised Sheet 183
April 26, 2018



PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	STORM SEWER - STH 164	SHEET 183	E

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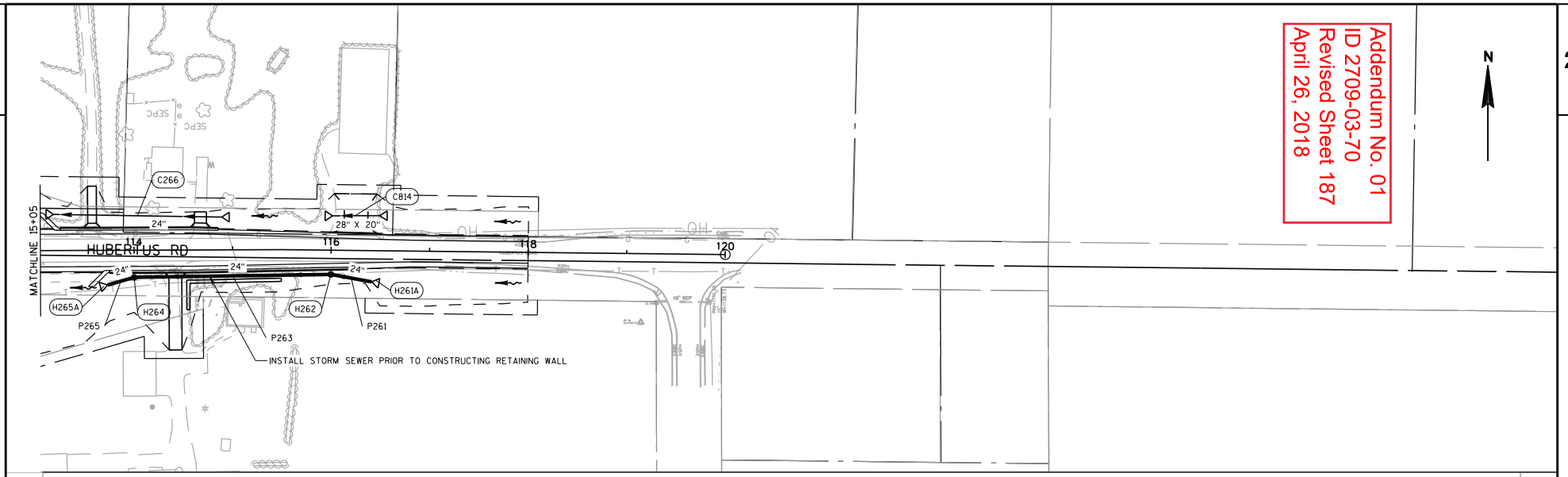
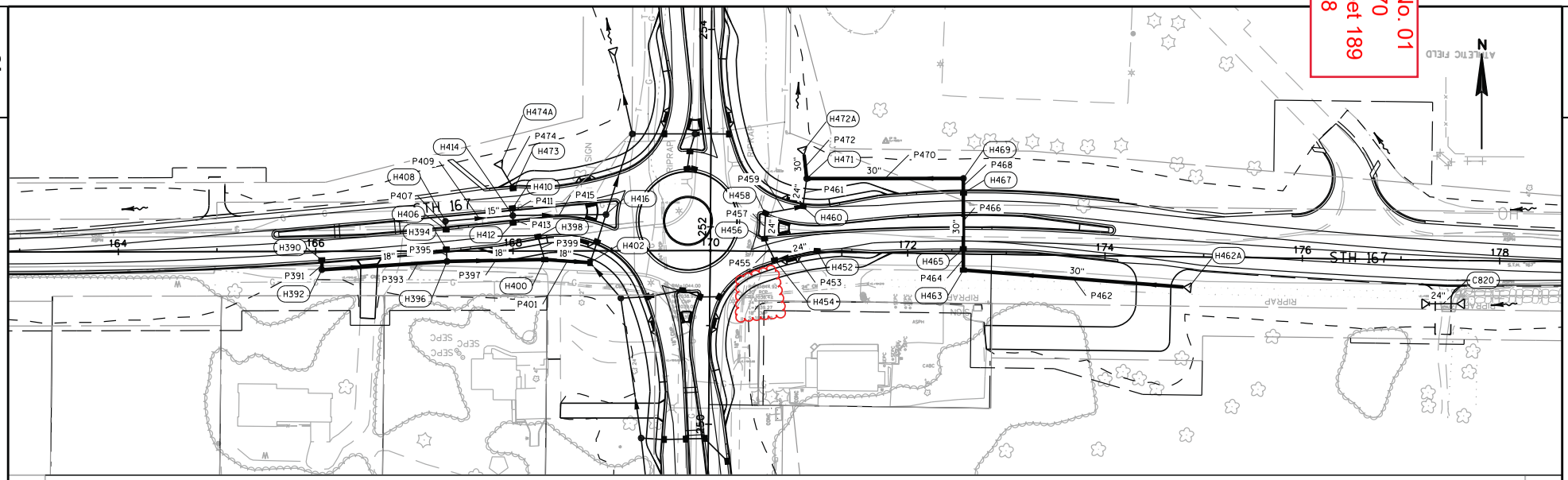
WISDOT/CADDS SHEET 41

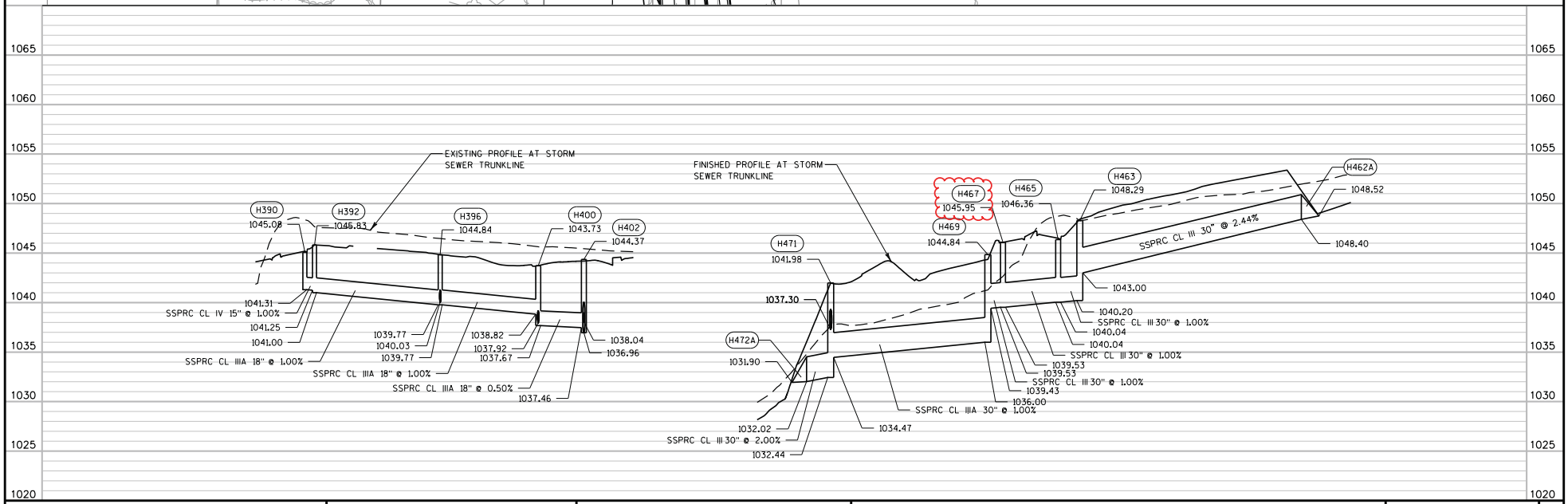
Addendum No. 01
ID 2709-03-70
Revised Sheet 187
April 26, 2018



PROJECT NO:2709-03-70	HWY: STH 164	COUNTY:WASHINGTON	STORM SEWER - HUBERTUS ROAD	SHEET 187	E

Addendum No. 01
ID 2709-03-70
Revised Sheet 189
April 26, 2018





PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	STORM SEWER - STH 167	SHEET 189	E

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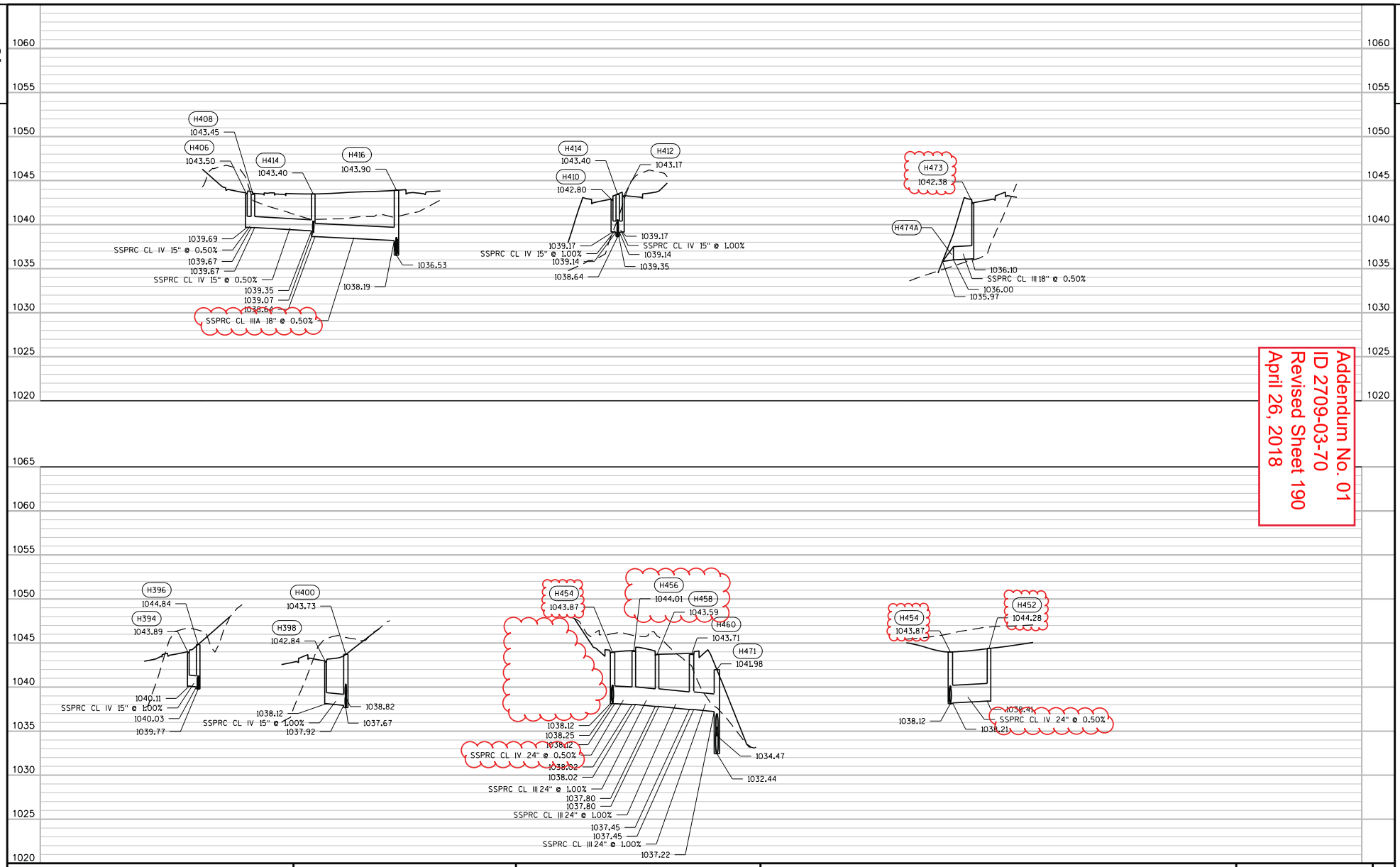
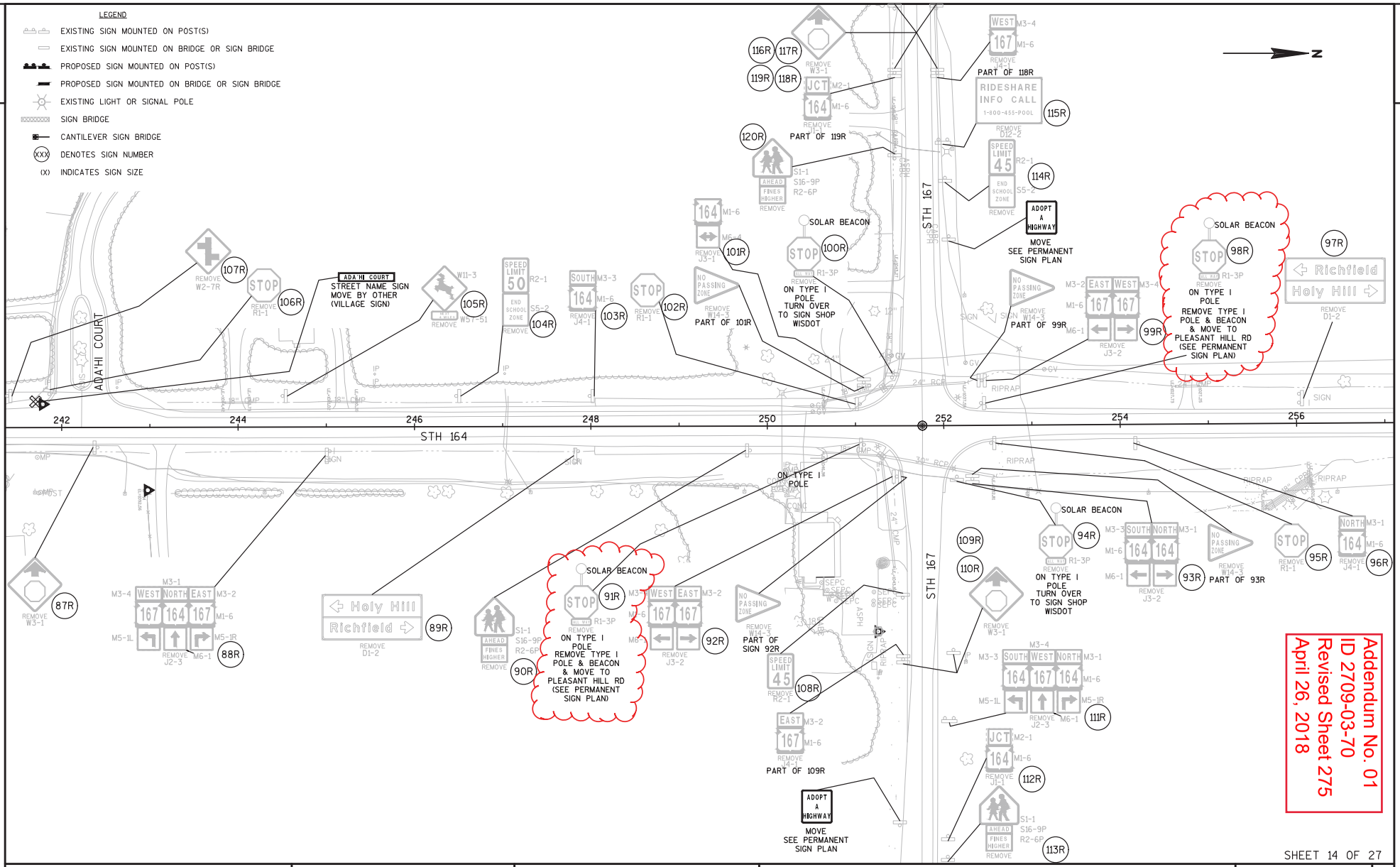
WISDOT/CADDS SHEET 41



PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	STORM SEWER - STH 167	SHEET 190	E



SHEET 14 OF 27

PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	SIGNING REMOVAL PLAN	SHEET 275	E

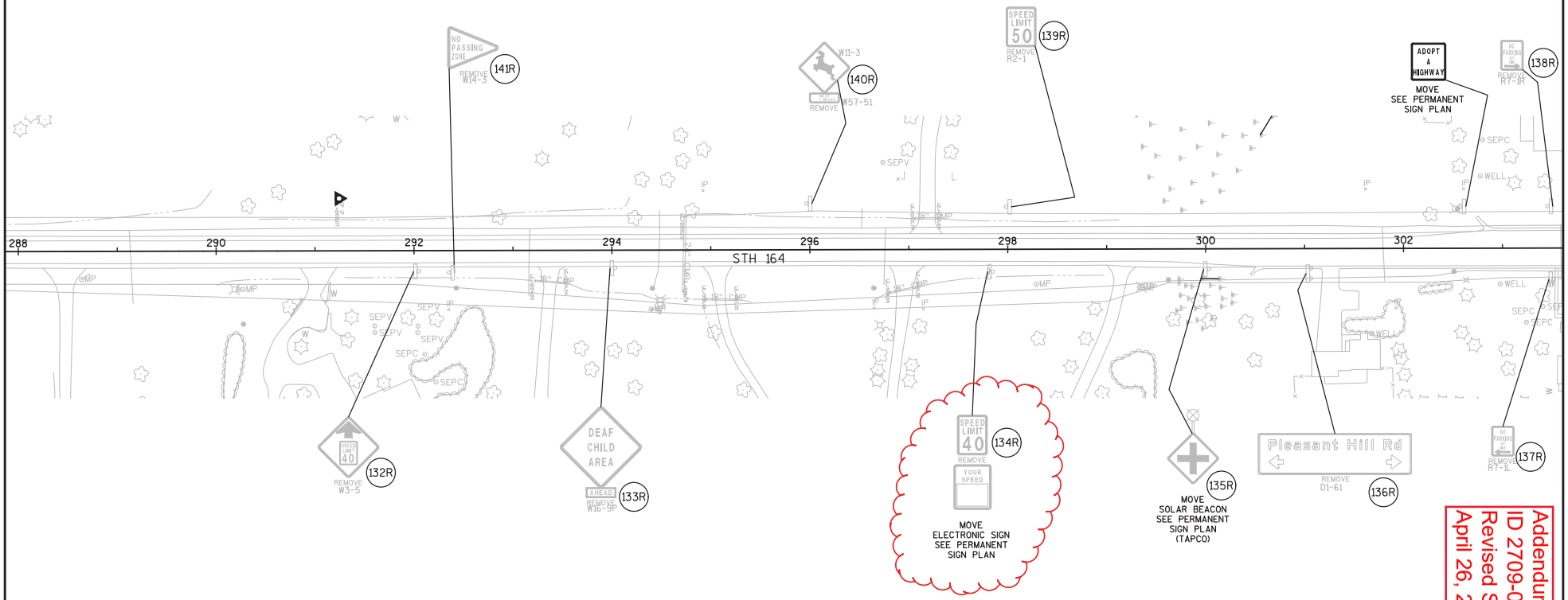
FILE NAME : N:\PDS\C3D\CAD\27090300\SIGN\023101_PS.DWG
LAYOUT NAME - 023114_PS

PLOT DATE : 4/23/2018 11:52 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- (XXX) DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE



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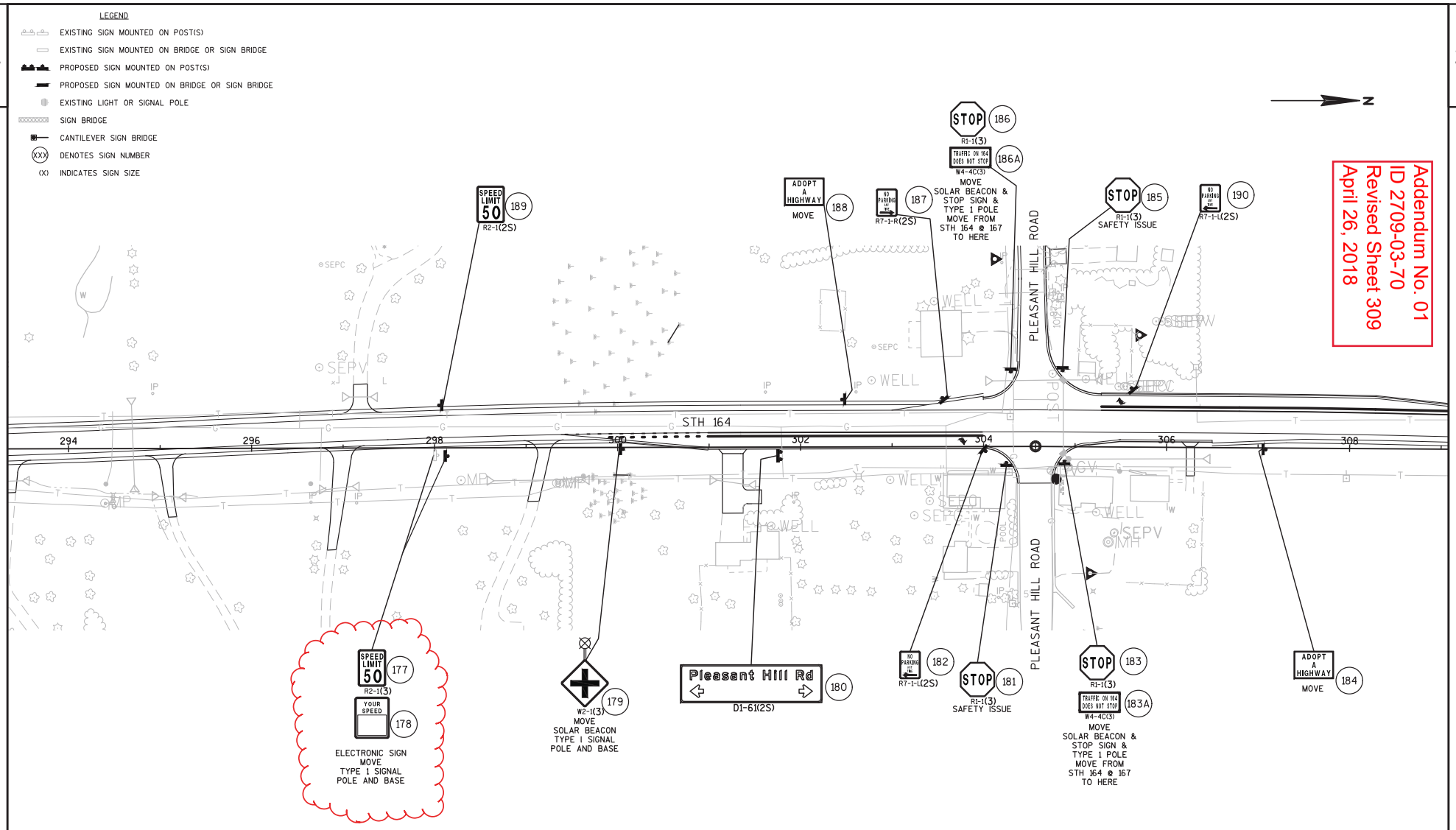
SHEET 17 OF 27

PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	SIGNING REMOVAL PLAN	SHEET 278	E

FILE NAME : N:\PDS\C3D\CAD\27090300\SIGN\023101_PS.DWG
LAYOUT NAME - 023117_PS

PLOT DATE : 4/23/2018 9:43 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42



SHEET 21 OF 37

PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	PERMANENT SIGNING PLAN	SHEET 309	E

FILE NAME : N:\PDS\C3D\CAD\27090300\SIGN\023201_PS.DWG
LAYOUT NAME - 023221_PS

PLOT DATE : 4/23/2018 9:38 AM PLOT BY : VANDE LEEST, CYNTHIA PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 42

SUPERELEVATION TABLES

NOTE: SEE PAVING DETAILS FOR PAVEMENT WARPING

STH 167 EB CURVE 1

SUPERELEVATION DESCRIPTION	STATION	SLOPE RT OF CROWN
END NORMAL CROWN	162+05	-2.00%
REMOVE CROWN	162+54	0.00%
BEGIN FULL SUPER	163+07	+2.20%
END FULL SUPER	167+23	+2.20%
REMOVE CROWN	167+76	0.00%
END TRANSITION	168+25	-1.70%

STH 167 WB CURVE 1

SUPERELEVATION DESCRIPTION	STATION	SLOPE LT OF CROWN
BEGIN TRANSITION	161+99	-2.00%
BEGIN FULL SUPER	162+57	-4.40%
END FULL SUPER	163+63	-4.40%
END TRANSITION	164+21	-2.00%

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Earthwork Summary			A	B	C	D	E	F	G	H	I	J	K	L
			Item #205.0100		*	*	Item #205.0400	Item #209.2500	Item #313.0110	*	*	*	*	Item #208.0100
Division	From/To Station	Location	Excavation Common (1) (CY) Cut (2)(14) (CY)	EBS Excavation (3)(4)(5) (CY)	Salvaged/Unusable Pavement Material (6) (CY)	Available Material (7) (CY)	Excavation Marsh (8)(9) (CY)	Expanded Marsh Backfill (10) (TON) Factor 1.40	Expanded Pit Run (3) (TON) Factor 1.20	Unexpanded Fill (CY)	Expanded Fill (11) (CY) Factor 1.20	Mass Ordinate +/- (5)(12) (CY)	Waste (CY)	Borrow (14) (CY)
1	51+00 - 237+00	STH 164	423,924	0	8294	415,630	0	0	0	35,398	42,478	373,153		
	237+00-251+25	'NA' LINE	39,258	0	1085	38,173	0	0	5,192	682	819	37,354		
	243+50-251+25	'SA' LINE	21,629	0	206	21,423	0	0	4,943	0	0	21,423		
	369+50-410+50	STH 164 DEEP MARSH EX	0	0	0	0	4,395	12,887	0	409	491	-491		
	11+00 - 12+39	SHADYLANE SOUTH	2,952	0	69	2,883	0	0	0	165	198	2,686		
	17+82 - 25+84	SHADYLANE NORTH	5,145	0	122	5,023	0	0	0	2,990	3,588	1,435		
	28+54 - 29+25	HANSON DRIVE	685	0	44	641	0	0	0	1	1	640		
	30+75 - 31+47	UPLAND DRIVE	183	0	37	146	0	0	0	17	21	126		
	38+30 - 41+68	MONCHES ROAD	888	0	143	746	0	0	0	62	74	672		
	48+56 - 49+25	WOODED HILLS	171	0	36	135	0	0	0	36	43	91		
	58+31 - 61+69	ELMWOOD ROAD	1,085	0	153	932	0	0	0	96	115	817		
	68+42 - 69+25	TUCKAWAY LANE	277	0	44	234	0	0	0	2	2	231		
	80+75 - 81+54	CHEROKEE TRAIL	371	0	42	329	0	0	0	8	9	320		
	90+75 - 93+00	ST GABRIEL LANE	850	0	183	667	0	0	0	1	2	665		
	103+28 - 118+00	HUBERTUS ROAD	14,602	0	785	13,816	0	0	0	7,965	9,557	4,259		
	130+75 - 133+00	GOLDEN DRIVE	1,437	0	104	1,333	0	0	0	21	26	1,307		
	138+52 - 139+25	LOCHVIEW ROAD	182	0	40	142	0	0	0	1	2	140		
	147+55 - 149+25	ADAHI COURT	1,393	0	154	1,239	0	0	626	0	0	1,239		
Division 1 Subtotal			515,033	0	11,539	503,494	4,395	12,887	10,761	47,855	57,425	446,069	446,069	
2	253+00 - 261+00	'NB LINE'	3,051	0	349	2,701	0	0	1,822	2,072	2,486	215		
	253+00 - 258+00	'SB LINE'	338	0	83	255	0	0	2,232	7,239	8,686	-8,432		
	261+00 - 290+12	STH 164	10,192	0	329	9,864	2535	5707	0	4,745	5,694	4,170		
	1290+12 - 1318+02	STH 164 CL	14,556	0	2,588	11,968	0	0	16,490	7,205	8,645	3,322		
	318+02 - 447+00	STH 164	38,221	0	1,476	36,746	4383	10432	0	14,431	17,317	19,428		
	158+75 - 169+00	EA' LINE	15,168	0	760	14,408	0	0	0	380	456	13,952		
	166+00 - 169+00	'WA' LINE	125	0	0	125	0	0	0	1,787	2,145	-2,020		
	170+75 - 174+00	'EB' LINE	2,263	0	1,161	1,101	0	0	0	479	575	526		
	170+75 - 181+25	'WB' LINE	7,568	0	3	7,565	0	0	0	2,392	2,870	4,695		
	10+00 - 13+30	164/167 RAB	2,229	0	397	1,832	0	0	0	1,634	1,961	-129		
	188+52 - 189+40	GREYSTONE DRIVE	408	0	53	355	0	0	0	14	17	338		
	197+04 - 199+00	PLEASANT HILL ROAD	1,264	0	122	1,142	0	0	748	9	10	1,131		
	208+52 - 209+25	MAJESTIC DRIVE	207	0	53	154	0	0	0	0	0	154		
	218+35 - 221+64	PIONEER ROAD	624	0	116	508	0	0	0	7	9	499		
	224+95 - 229+12	CTH E	3,367	0	404	2,964	0	0	0	285	342	2,622		
	240+75 - 241+44	CLUB LANE	535	0	39	496	0	0	0	7	8	488		
Division 2 Subtotal			100,116	0	7,933	92,183	6,918	16,139	21,292	42,686	51,223	40,960	40,960	
Undistributed (13)				10,000					22,800					
Grand Total			615,149	10,000	19,472	595,677	11,313	29,026	54,853	90,540	108,649	487,028	497,028	0
		Total Common Exc		625,149										

1) Common Excavation is the sum of the Cut (A) and EBS Excavation (B) columns. Item number 205.0100
2) Salvaged/Unusable Pavement Material (C) and excavation for Select Subgrade Improvement are included in Cut (A).
3) EBS Excavation (B) and Select Subgrade Improvement to be backfilled with Pit Run in areas noted in the typical sections and construction details. Pit Run may be available within the project site. See Geotechnical Report for additional details. All EBS and select subgrade improvement backfill (H) material shall be approved by the engineer prior to placement of the backfill material. No organic material shall be allowed in backfill. Additional Select Subgrade Improvement excavations will be backfilled with Breaker Run as noted in the typical sections and construction details.
4) EBS Excavation (B) volumes were taken from Geotechnical Report. Actual EBS locations to be determined by engineer.
5) EBS Excavation Material (B) shall be removed from the site and shall not be used as fill material. EBS Excavation material (B) is not included in the Mass Ordinate (J) but is included in waste volume (K).
6) Salvaged/Unusable Pavement Material (C) is included in the Cut (A). This assumes the existing pavement structure is salvaged or wasted by the contractor. The existing pavement structure is not shown on the cross sections.
7) Available Material (D) = Cut (A) - Salvaged/Unusuable Pavement Material (C)
8) Marsh Excavation (E) locations have been taken from Geotechnical Report. Actual locations to be determined by engineer.
9) Marsh Excavation (E) material shall be removed from the site and shall not be used as fill material. Marsh Excavation (E) material is not included in the Mass Ordinate (J) or waste (K) volume.
10) Expanded Marsh Backfill (F) is to be backfilled with Backfill Granular Grade 2 (Item 209.2500). Volume shown include volume of material required for placing backfill 2 feet about top of marsh.
11) Expanded Fill (I) = (Unexpanded Fill (F)) * Expanded Fill Factor (1.20)
12) The Mass Ordinate (J) + or - Qty calculated for the Division. Plus quantity indicates a waste volume of material within the Division. Minus indicates a borrow volume of material within the Division.
13) Undistributed EBS Excavation (B) is to be used at discretion of engineer for unstable soils
14) Fill material required for embankment above deep marsh excavation shall be excavated from elsewhere on the project and hauled to the site. No additional payment shall be made for borrow material. Costs of hauling material are incidental to Excavation Common.
15) Pit Run (G) is the Cut (A) volume required * the Expanded Fill Factor (1.20). The volume shown is to backfill areas determined to be backfilled with Pit Run. Areas to be backfilled with Breaker Run are not included in this volume. Pit Run (G) is not included in the Mass Ordinate (J) or the Waste (K) volumes.

ALL ITEMS CATEGORY 0010 UNLESS NOTED

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RESTORATION ITEMS

LOCATION	ROADWAY	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	630.0200 SEEDING TEMPORARY LB	630.0400 SEEDING NURSE CROP LB	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY	SPV.0085.01 SEED NO MOW FESCUE LB
SIDE ROADS	SHADY LN SOUTH	---	1,740	1,740	1.8	60	30	---	---	---	---
	SHADY LN NORTH	---	4,820	4,820	5.4	160	80	---	---	---	---
	HANSON DR.	---	305	305	0.4	20	10	---	---	---	---
	UPLAND DR.	---	240	240	0.3	10	10	---	---	---	---
	MONCHES RD.	---	875	875	1.1	40	20	---	---	---	---
	WOODED HILLS	---	325	325	0.3	10	10	---	---	---	---
	ELMWOOD RD.	---	805	805	1.0	30	20	---	---	---	---
	TUCKWAY LN.	170	130	130	0.4	10	10	---	4	170	---
	CHEROKEE TR.	---	380	380	0.4	20	10	---	---	---	---
	ST. GABRIEL LN.	---	1,000	1,000	1.1	40	20	---	---	---	---
	HUBERTUS RD.	940	13,060	7,598	14.0	390	200	---	24	940	---
	GOLDEN DR.	690	330	330	0.7	10	10	---	17	690	---
	LOCHVIEW RD.	80	35	35	0.2	10	10	---	2	80	---
	ADAHI CT.	250	545	545	0.7	20	10	---	6	250	---
STH 167	158+75 - 173+00	1,980	7,780	7,109	9.2	230	120	4	39	1,540	20
STH 167	173+00 - 181+25	180	6,790	5,649	7.4	210	110	1	3	100	5
	GREYSTONE DR.	65	155	155	0.3	10	10	---	2	65	---
	PLEASANT HILL RD.	---	770	770	0.8	30	20	---	---	---	---
	MAJESTIC DR.	---	195	195	0.3	10	10	---	---	---	---
	PIONEER RD.	---	680	680	0.9	30	20	---	---	---	---
	CTH E	---	3,600	3,600	4.0	120	60	---	---	---	---
	CLUB DR.	---	605	605	0.6	20	10	---	---	---	---
	SIDE ROADS. SUBTOTAL	4,355	45,165	37,891	51.2	1,490	810	5	96	3,835	25
	WASTE SITES	---	---	148,500	141.0	4,010	2,010	---	---	---	---
UNDISTRIBUTED		10,050	87,180	87,370	140.0	2,750	1,910	4	119	4,750	25
	PROJECT TOTALS	43,545	435,890	436,811	679.0	17,760	9,540	20	910	36,390	115

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ALL ITEMS CATEGORY 0010 UNLESS NOTED

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
STH 164	H105	65+00.00	43.6	RT	1022.16	INLETS MEDIAN 2 GRATE	MS	4.00	GRATE: NO SLOPE	P106	H105	H107	1018.16	1018.10	0.50	13	17	IV	24	---
STH 164	H107	65+00.00	27.1	RT	1023.92	MANHOLES 5-FT DIAMETER	J	5.82	---	P108	H107	H113	1018.10	1016.62	0.50	297	301	IIIA	24	---
STH 164	H109	62+00.00	22.0	LT	1022.74	INLETS 2X3-FT	HM	4.69	---	P110	H109	H111	1018.05	1017.65	1.00	40	42	III	12	---
STH 164	H111	61+99.05	22.0	RT	1022.73	INLETS 2X3-FT	HM	5.08	---	P112	H111	H113	1017.65	1017.62	1.00	3	6	III	12	---
STH 164	H113	61+98.72	27.1	RT	1023.22	MANHOLES 4-FT DIAMETER	J	6.60	---	P114	H113	H117	1016.62	1013.57	1.25	244	248	IIIA	24	---
STH 164	H115	59+50.01	39.0	RT	1019.18	INLETS MEDIAN 2 GRATE	MS	4.26	GRATE: SINGLE SLOPE	P116	H115	H117	1014.92	1014.88	0.50	8	12	IV	18	---
STH 164	H117	59+50.00	26.9	RT	1019.74	MANHOLES 5-FT DIAMETER	J	6.78	---	P118	H117	H119	1012.96	1012.94	1.00	2	7	IIIA	24	---
STH 164	H119	59+50.00	22.0	RT	1019.46	INLETS 4-FT DIAMETER	S	6.52	---	P120	H119	H123	1012.94	1012.58	1.00	36	40	III	24	---
STH 164	H121	59+49.99	39.0	LT	1019.18	INLETS MEDIAN 2 GRATE	MS	5.13	GRATE:SINGLE SLOPE	P122	H121	H125	1014.05	1014.01	0.50	8	12	IIIA	18	---
STH 164	H123	59+50.00	22.0	LT	1019.45	INLETS 4-FT DIAMETER	HM	6.87	---	P124	H123	H125	1012.58	1012.55	1.00	3	7	IIIA	24	---
STH 164	H125	59+50.00	27.0	LT	1019.94	MANHOLES 5-FT DIAMETER	J	7.39	---	P126	H125	H131	1012.55	1012.03	1.00	52	57	IIIA	24	---
SHADY LANE	H127	12+42.45	19.2	RT	1016.80	INLETS MEDIAN 2 GRATE	MS	3.91	GRATE: NO SLOPE	P128	H127	H129	1012.89	1012.75	0.50	28	31	IV	24	---
SHADY LANE	H129	12+10.17	19.4	RT	1018.00	INLETS 4-FT DIAMETER	H	5.25	---	P130	H129	H131	1012.75	1012.03	0.50	143	148	IV	24	---
STH 164	H131	58+93.33	27.0	LT	1018.81	MANHOLES 6-FT DIAMETER	J	6.78	---	P132	H131	H132A	1012.03	1011.00	1.00	95	98	III	24	---
STH 164	H150	67+50.00	40.2	RT	1021.57	INLETS MEDIAN 2 GRATE	MS	3.58	GRATE: SINGLE SLOPE	P151	H150	H152	1017.99	1017.93	0.50	12	14	IV	15	---
STH 164	H152	67+50.00	27.2	RT	1021.17	INLETS 2X3-FT	HM	5.25	---	P153	H152	H154	1015.92	1015.70	0.50	45	47	III	15	---
STH 164	H154	67+50.00	22.0	LT	1021.27	INLETS 2X3-FT	HM	5.57	---	P155	H154	H156	1015.70	1015.66	1.50	3	6	IIIA	15	---
STH 164	H156	67+50.00	27.0	LT	1021.72	MANHOLES 4-FT DIAMETER	J	6.06	---	P157	H156	H157A	1015.66	1014.64	1.50	68	70	IV	15	---
---	---	---	---	---	---	---	---	---	---	P178	H178A	H184	1102.03	1101.51	2.00	26	29	IV	18	---
---	---	---	---	---	---	---	---	---	---	P181	H181A	H182	1103.37	1101.85	2.00	76	78	IV	18	---
STH 164	H182	123+13.25	35.5	RT	1105.34	MANHOLES 4-FT DIAMETER	J	6.55	---	P183	H182	H184	1098.79	1098.50	0.50	58	62	III	18	---
STH 164	H184	123+13.56	27.0	LT	1104.50	MANHOLES 4-FT DIAMETER	J	10.33	---	P185	H184	H190	1094.17	1088.00	2.00	309	314	IIIA	24	---
STH 164	H186	119+99.97	22.0	RT	1092.87	INLETS 2X3-FT	HM	5.74	---	P187	H186	H188	1087.13	1086.93	0.50	40	42	III	15	---
STH 164	H188	120+00.00	22.0	LT	1092.87	INLETS 2X3-FT	HM	5.94	---	P189	H188	H190	1086.93	1086.92	0.50	3	6	IIIA	15	---
STH 164	H190	119+99.97	27.0	LT	1093.20	MANHOLES 5-FT DIAMETER	J	11.30	---	P191	H190	H196	1081.90	1076.00	2.00	295	300	IIIA	24	---
STH 164	H192	117+00.05	22.0	RT	1080.87	INLETS 2X3-FT	HM	5.74	---	P193	H192	H194	1075.13	1074.93	0.50	40	42	III	15	---
STH 164	H194	117+00.00	22.0	LT	1080.87	INLETS 2X3-FT	HM	5.94	---	P195	H194	H196	1074.93	1074.92	0.50	3	6	IIIA	15	---
STH 164	H196	117+00.04	27.0	LT	1081.36	MANHOLES 5-FT DIAMETER	J	10.46	---	P197	H196	H202	1070.90	1065.00	2.00	295	300	IIIA	24	---
STH 164	H198	114+00.06	22.0	RT	1068.87	INLETS 2X3-FT	HM	5.74	---	P199	H198	H200	1063.13	1062.93	0.50	40	42	III	15	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION.

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

ALL ITEMS CATEGORY 0010

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STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH [1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE [A] %	PIPE LENGTH [B] (FT)	PLAN LENGTH [C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
STH 164	H200	114+00.01	22.0	LT	1068.87	INLETS 2X3-FT	HM	5.94	---	P201	H200	H202	1062.93	1062.92	0.50	2	6	IIIA	15	---
STH 164	H202	113+99.99	27.0	LT	1069.36	MANHOLES 5-FT DIAMETER	J	11.46	---	P203	H202	H208	1057.90	1052.00	2.00	295	300	IIIA	24	---
STH 164	H204	111+00.01	22.0	RT	1056.87	INLETS 2X3-FT	HM	5.74	---	P205	H204	H206	1051.13	1050.93	0.50	40	42	III	15	---
STH 164	H206	111+00.02	22.0	LT	1056.87	INLETS 2X3-FT	HM	5.94	---	P207	H206	H208	1050.93	1050.92	0.50	2	6	IIIA	15	---
STH 164	H208	111+00.06	27.0	LT	1057.36	MANHOLES 5-FT DIAMETER	J	9.96	---	P209	H208	H216	1047.40	1043.39	2.00	195	200	IIIA	24	---
STH 164	H210	109+00.00	39.0	RT	1048.60	INLETS MEDIAN 2 GRATE	MS	7.01	GRATE NO SLOPE	P211	H210	H212	1041.59	1041.51	0.50	16	18	IIIA	24	---
STH 164	H212	109+00.00	22.0	RT	1048.87	INLETS 2X3-FT	HM	7.36	---	P213	H212	H214	1041.51	1041.31	0.50	40	42	III	24	---
STH 164	H214	109+00.00	22.0	LT	1048.87	INLETS 2X3-FT	HM	7.56	---	P215	H214	H216	1041.31	1041.29	0.50	3	7	IIIA	24	---
STH 164	H216	109+0.00	27.9	LT	1049.40	MANHOLES 5-FT DIAMETER	J	11.24	---	P217	H216	H224	1038.16	1032.26	2.00	295	300	IIIA	24	---
STH 164	H218	106+06.50	22.0	RT	1037.13	INLETS 2X3-FT	HM	5.56	---	P219	H218	H220	1031.57	1031.17	1.00	40	43	III	15	---
STH 164	H220	106+00.00	22.0	LT	1036.87	INLETS 2X3-FT	HM	5.70	---	P221	H220	H224	1031.17	1031.15	1.00	2	6	II	15	---
STH 164	H222	106+00.00	39.0	LT	1036.60	INLETS MEDIAN 2 GRATE	MS	6.03	GRATE NO SLOPE	P223	H222	H224	1030.57	1030.53	0.50	8	12	IIIA	24	---
STH 164	H224	106+00.00	27.0	LT	1037.36	MANHOLES 5-FT DIAMETER	J	8.00	---	P225	H224	H228	1029.36	1027.19	2.00	109	114	IIIA	24	---
STH 164	H226	104+86.65	22.0	LT	1032.33	INLETS 2X3-FT	HM	4.49	---	P227	H226	H228	1027.84	1027.81	0.50	6	9	IV	15	---
STH 164	H228	104+86.50	30.0	LT	1032.94	MANHOLES 5-FT DIAMETER	J	6.38	---	P229	H228	H229A	1026.56	1026.43	0.50	25	28	IV	30	---
STH 164	---	---	---	---	---	---	---	---	---	P244	H244A	H246	1152.35	1151.20	1.50	74	77	IV	24	---
STH 164	---	---	---	---	---	---	---	---	---	P245	H245A	H246	1152.90	1152.70	1.00	17	20	IV	24	---
STH 164	H246	168+09.00	51.0	RT	1157.13	MANHOLES 5-FT DIAMETER	J	5.93	---	P247	H246	H250	1151.20	1149.93	1.50	85	90	IIIA	24	---
STH 164	H248	167+20.56	30.0	RT	1154.50	INLETS 2X3-FT	HM	3.50	---	P249	H248	H250	1151.00	1150.93	0.50	14	17	IV	12	---
STH 164	H250	167+19.40	46.0	RT	1154.89	MANHOLES 5-FT DIAMETER	J	4.96	---	P251	H250	H251A	1149.93	1148.11	1.50	121	124	IV	24	---
STH 164	---	---	---	---	---	---	---	---	---	P261	H261A	H262	1129.93	1127.83	5.00	40	42	IV	24	---
HUBERTUS ROAD	H262	116+00.00	24.5	RT	1131.01	MANHOLES 4-FT DIAMETER	J	5.54	---	P263	H262	H264	1125.47	1115.71	5.00	195	200	IV	24	---
HUBERTUS ROAD	H264	114+00.00	27.5	RT	1119.99	MANHOLES 5-FT DIAMETER	J	4.28	---	P265	H264	H265A	1115.71	1114.68	4.00	26	28	IV	24	---
STH 164	H280	228+30.35	30.0	RT	1079.97	INLETS 2X3-FT	HM	4.97	---	P281	H280	H282	1075.00	1074.97	0.50	6	9	III	15	---
STH 164	H282	228+30.55	38.0	RT	1080.59	MANHOLES 5-FT DIAMETER	J	5.92	---	P283	H282	H286	1074.67	1071.94	2.00	137	142	III	24	---
STH 164	H284	226+89.41	22.0	RT	1078.06	INLETS 2X3-FT	HM	5.06	---	P285	H284	H286	1073.00	1072.99	0.50	2	6	III	12	---
STH 164	H286	226+89.32	26.9	RT	1078.54	MANHOLES 5-FT DIAMETER	J	6.60	---	P287	H286	H290	1071.94	1064.99	2.50	278	283	IIIA	24	---
STH 164	H288	224+06.36	22.0	RT	1069.62	INLETS 2X3-FT	HM	4.62	---	P289	H288	H290	1065.00	1064.99	0.50	2	6	IV	24	---
STH 164	H290	224+06.20	27.0	RT	1070.11	MANHOLES 5-FT DIAMETER	J	5.12	---	P291	H290	H291A	1064.99	1064.76	1.00	23	26	IV	24	---

[1] DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION.

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B] PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C] PLAN LENGTH SHOWN FOR PAY QUANTITY.

ALL ITEMS CATEGORY 0010

Addendum No. 01
ID 2709-03-70
Revised Sheet 465
April 26, 2018

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
GOLDEN DRIVE	H300	133+04.73	19.6	RT	1093.19	INLETS MEDIAN 2 GRATE	MS	3.19	GRATE: SINGLE SLOPE	P301	H300	H302	1090.00	1089.96	0.50	9	13	IV	24	---
GOLDEN DRIVE	H302	132+92.14	19.0	RT	1093.71	MANHOLES 5-FT DIAMETER	J	5.99	---	P303	H302	H306	1087.72	1087.36	1.00	36	41	III	24	---
GOLDEN DRIVE	H304	133+03.24	22.5	LT	1093.34	INLETS MEDIAN 2 GRATE	MS	3.34	GRATE: SINGLE SLOPE	P305	H304	H306	1090.00	1089.95	0.50	12	15	IV	24	---
GOLDEN DRIVE	H306	132+87.80	21.5	LT	1093.37	MANHOLES 5-FT DIAMETER	J	6.01	---	P307	H306	H312	1087.36	1075.80	5.00	231	236	IV	24	---
STH 164	H308	231+97.27	39.6	RT	1079.71	INLETS 4-FT DIAMETER	HM	3.25	---	P309	H308	H310	1076.46	1076.42	0.50	8	12	IV	15	---
STH 164	H310	232+06.28	47.0	RT	1079.45	INLETS 4-FT DIAMETER	HM	3.03	---	P311	H310	H312	1076.42	1076.19	0.50	46	51	IV	15	---
STH 164	H312	232+60.52	52.6	RT	1080.11	MANHOLES 5-FT DIAMETER	HM	4.67	---	P313	H312	H314	1075.44	1075.40	0.35	10	15	IV	24	---
STH 164	H314	232+68.37	41.1	RT	1079.55	INLETS 4-FT DIAMETER	HM	4.15	---	P315	H314	H320	1075.40	1074.43	0.35	279	283	IV	24	---
STH 164	H316	235+49.99	47.4	RT	1077.70	INLETS MEDIAN 2 GRATE	MS	2.71	GRATE: NO SLOPE	P317	H316	H320	1074.99	1074.93	0.50	11	15	IV	18	---
STH 164	H318	235+49.95	27.4	RT	1078.33	INLETS 2X3-FT	HM	3.14	---	P319	H318	H320	1075.19	1075.16	1.00	3	6	IV	15	---
STH 164	H320	235+49.96	32.4	RT	1078.82	MANHOLES 5-FT DIAMETER	J	4.89	---	P321	H320	H324	1073.93	1073.60	0.35	95	100	IV	30	---
STH 164	H322	236+50.03	23.7	RT	1078.50	INLETS 2X3-FT	HM	3.61	---	P323	H322	H324	1074.89	1074.85	1.00	4	8	IV	15	---
STH 164	H324	236+50.07	31.0	RT	1079.09	MANHOLES 6-FT DIAMETER	J	5.49	---	P325	H324	H328	1073.60	1073.46	0.35	40	46	IIIA	30	---
STH 164	H326	236+96.10	22.0	RT	1078.49	INLETS 2X3-FT	HM	3.72	---	P327	H326	H328	1074.77	1074.71	1.00	6	9	IV	15	---
STH 164	H328	236+95.67	30.4	RT	1079.12	MANHOLES 5-FT DIAMETER	J	5.66	---	P329	H328	H331	1073.46	1072.90	0.35	159	165	IIIA	30	---
STH 164	---	---	---	---	---	---	---	---	---	P330	H330A	H331	1073.51	1073.41	1.00	13	17	IV	42	---
STH 164	H331	238+60.84	28.0	RT	1079.84	MANHOLES 7-FT DIAMETER	J	7.94	---	P332	H331	H333	1071.90	1071.87	1.00	3	9	II	42	---
STH 164	H333	238+60.85	22.0	RT	1079.31	MANHOLES 6-FT DIAMETER	HM	7.44	---	P334	H333	H334A	1071.87	1071.33	1.00	54	57	III	42	---
STH 164	H348	241+86.79	35.0	LT	1079.58	INLETS 4-FT DIAMETER	HM	5.01	UNDERDRAIN CONNECTION	P349	H348	H354	1074.57	1074.54	0.50	7	11	IV	24	---
STH 164	H350	243+82.87	28.9	RT	1076.14	INLETS 2X3-FT	HM	4.97	---	P351	H350	H352	1071.17	1070.89	0.50	55	57	III	15	---
STH 164	H352	243+79.93	30.1	LT	1076.21	INLETS 2X3-FT	HM	5.32	---	P353	H352	H356	1070.89	1070.86	0.50	7	10	III	15	---
STH 164	H354	241+95.75	41.1	LT	1079.29	INLETS 4-FT DIAMETER	HM	4.75	UNDERDRAIN CONNECTION	P355	H354	H356	1074.54	1070.08	2.50	179	183	IV	24	---
STH 164	H356	243+79.16	39.1	LT	1076.92	MANHOLES 5-FT DIAMETER	J	6.84	---	P357	H356	H362	1070.08	1065.22	2.50	195	200	IIIA	24	---
STH 164	H358	245+79.33	25.7	RT	1068.02	INLETS 2X3-FT	HM	5.00	---	P359	H358	H360	1063.02	1062.77	0.50	51	53	III	15	---
STH 164	H360	245+78.69	29.2	LT	1067.97	INLETS 2X3-FT	HM	5.20	---	P361	H360	H362	1062.77	1062.72	0.50	10	14	III	15	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION.

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

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Addendum No. 01
ID 2709-03-70
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STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
STH 164	H362	245+78.70	42.0	LT	1069.41	MANHOLES 5-FT DIAMETER	J	9.89	---	P363	H362	H368	1059.52	1051.73	4.00	195	200	IIIA	24	---
STH 164	H364	247+79.38	32.0	RT	1058.04	INLETS 2X3-FT	HM	4.98	---	P365	H364	H366	1053.06	1052.73	0.50	65	67	III	15	---
STH 164	H366	247+78.66	37.4	LT	1057.93	INLETS 2X3-FT	HM	5.20	---	P367	H366	H368	1052.73	1052.72	0.50	3	6	III	15	---
STH 164	H368	247+78.56	42.4	LT	1058.42	MANHOLES 5-FT DIAMETER	J	6.69	---	P369	H368	H378	1051.73	1043.58	4.00	204	208	IIIA	24	---
STH 164	H370	249+63.07	21.4	RT	1049.49	INLETS 4-FT DIAMETER	HM	4.73	---	P371	H370	H372	1044.76	1044.62	0.50	28	32	IV	15	---
STH 164	H372	249+85.44	5.8	LT	1048.96	INLETS 4-FT DIAMETER	HM	4.34	---	P373	H372	H374	1044.62	1044.54	0.50	15	18	IV	15	---
STH 164	H374	249+84.97	21.0	LT	1048.98	INLETS 2X3-FT	HM	4.44	---	P375	H374	H376	1044.54	1044.43	0.50	22	24	IV	15	---
STH 164	H376	249+83.95	47.0	LT	1048.52	INLETS 2X3-FT	H	4.09	---	P377	H376	H378	1044.43	1044.33	0.50	19	22	IV	15	---
STH 164	H378	249+85.30	68.2	LT	1050.00	MANHOLES 4-FT DIAMETER	J	6.42	---	P379	H378	H388	1043.58	1039.42	3.00	139	143	IIIA	24	---
STH 164	H380	251+28.29	11.3	RT	1045.16	INLETS 4-FT DIAMETER	HM	4.62	---	P381	H380	H382	1040.54	1040.46	0.50	16	20	IV	15	---
STH 164	H382	251+29.56	11.9	LT	1045.36	INLETS 4-FT DIAMETER	H	4.90	---	P383	H382	H384	1040.46	1040.38	0.50	15	19	IV	15	---
STH 164	H384	251+33.62	28.2	LT	1045.10	INLETS 4-FT DIAMETER	H	4.72	---	P385	H384	H386	1040.38	1040.22	0.50	32	36	IV	15	---
STH 164	H386	251+27.71	65.0	LT	1044.92	INLETS 4-FT DIAMETER	HM	4.70	---	P387	H386	H388	1040.22	1040.11	0.50	23	27	IV	15	---
STH 164	H388	251+26.89	90.2	LT	1045.76	MANHOLES 5-FT DIAMETER	J	6.34	---	P389	H388	H402	1039.42	1038.04	3.25	43	48	IIIA	24	---
STH 167	H390	166+06.33	10.9	RT	1045.08	INLETS 2X3-FT	HM	3.77	---	P391	H390	H392	1041.31	1041.25	1.00	6	9	IV	15	---
STH 167	H392	166+06.34	18.6	RT	1045.83	MANHOLES 4-FT DIAMETER	J	4.83	---	P393	H392	H396	1041.00	1039.77	1.00	123	127	IIIA	18	---
STH 167	H394	167+32.55	0.2	RT	1043.89	INLETS 2X3-FT	HM	3.78	---	P395	H394	H396	1040.11	1040.03	1.00	8	11	IV	15	---
STH 167	H396	167+33.04	10.4	RT	1044.84	MANHOLES 4-FT DIAMETER	J	5.07	---	P397	H396	H400	1039.77	1038.82	1.00	95	99	IIIA	18	---
STH 167	H398	168+25.84	12.5	LT	1042.84	INLETS 2X3-FT	HM	4.72	UNDERDRAIN CONNECTION	P399	H398	H400	1038.12	1037.92	1.00	20	23	IV	15	---
STH 167	H400	168+32.04	8.7	RT	1043.73	MANHOLES 5-FT DIAMETER	C	6.06	---	P401	H400	H402	1037.67	1037.46	0.50	41	46	IIIA	18	---
STH 167	H402	168+78.09	11.9	RT	1044.37	MANHOLES 5-FT DIAMETER	C	7.41	---	P403	H402	H404	1036.96	1036.78	1.00	18	22	IV	24	---
STH 167	H404	168+84.52	7.2	LT	1043.45	INLETS 4-FT DIAMETER	HM	6.67	---	P405	H404	H416	1036.78	1036.53	1.00	25	29	III	24	---
STH 167	H406	167+32.06	23.8	LT	1043.50	INLETS 2X3-FT	HM	3.81	---	P407	H406	H408	1039.69	1039.67	0.50	4	7	IV	15	---
STH 167	H408	167+31.66	30.3	LT	1043.45	MANHOLES 4-FT DIAMETER	J	3.78	---	P409	H408	H414	1039.67	1039.35	0.50	64	68	IV	15	---
STH 167	H410	167+99.95	41.4	LT	1042.80	INLETS 2X3-FT	H	3.63	---	P411	H410	H414	1039.17	1039.14	1.00	3	6	IV	15	---
STH 167	H412	167+99.83	30.6	LT	1043.17	INLETS 2X3-FT	H	4.00	---	P413	H412	H414	1039.17	1039.14	1.00	3	6	IV	15	---
STH 167	H414	167+99.90	35.9	LT	1043.40	MANHOLES 4-FT DIAMETER	J	4.76	---	P415	H414	H416	1038.64	1038.19	0.50	90	94	IIIA	18	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION.

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

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STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
STH 167	H416	168+94.33	36.7	LT	1043.90	MANHOLES 5-FT DIAMETER	J	7.37	---	P417	H416	H430	1036.53	1035.72	1.00	81	86	III	24	---
STH 164	H418	252+56.55	17.4	LT	1042.32	INLETS 4-FT DIAMETER	T	4.50	UNDERDRAIN CONNECTION	P419	H418	H420	1037.82	1037.79	1.00	3	7	IV	15	---
STH 164	H420	252+56.84	23.4	LT	1042.26	INLETS 4-FT DIAMETER	T	4.47	UNDERDRAIN CONNECTION	P421	H420	H422	1037.79	1037.65	1.00	14	18	IV	15	---
STH 164	H422	252+78.44	21.4	LT	1042.38	INLETS 4-FT DIAMETER	H	4.73	---	P423	H422	H426	1037.65	1037.51	1.00	14	18	IV	15	---
STH 164	H424	252+94.30	20.2	RT	1041.99	INLETS 4-FT DIAMETER	HM	4.59	---	P425	H424	H426	1037.40	1037.10	1.00	30	34	IV	15	---
STH 164	H426	252+94.12	16.2	LT	1042.50	MANHOLES 4-FT DIAMETER	J	5.65	---	P427	H426	H428	1036.85	1036.58	1.00	27	31	III	18	---
STH 164	H428	252+93.95	49.2	LT	1041.95	INLETS 4-FT DIAMETER	HM	5.37	---	P429	H428	H430	1036.58	1036.30	1.00	28	33	III	18	---
STH 167	H430	169+21.13	118.4	LT	1040.08	MANHOLES 5-FT DIAMETER	J	12.45	---	P431	H430	H431A	1027.63	1027.23	0.50	79	81	IV	24	---
~~STH 167~~	~~H450~~								---	~~P451~~	~~H450~~	~~H454~~								
STH 167	H452	171+08.17	1.0	RT	1044.28	INLETS 4-FT DIAMETER	HM	5.87	---	P453	H452	H454	1038.41	1038.21	0.50	39	44	IV	24	---
STH 167	H454	170+65.80	10.8	RT	1043.87	MANHOLES 5-FT DIAMETER	HM	5.75	UNDERDRAIN CONNECTION	P455	H454	H456	1038.12	1038.02	0.50	20	24	IV	24	---
STH 167	H456	170+53.35	14.6	LT	1044.01	INLETS 4-FT DIAMETER	H	5.99	---	P457	H456	H458	1038.02	1037.80	1.00	22	26	III	24	---
STH 167	H458	170+53.74	37.2	LT	1043.59	INLETS 4-FT DIAMETER	H	5.79	---	P459	H458	H460	1037.80	1037.45	1.00	35	39	III	24	---
STH 167	H460	170+93.45	48.2	LT	1043.71	MANHOLES 5-FT DIAMETER	HM	6.26	---	P461	H460	H471	1037.45	1037.22	1.00	23	29	III	24	---
STH 167	---	---	---	---	---	---	---	---	---	P462	H462A	H463	1048.40	1043.00	2.40	221	224	III	30	---
STH 167	H463	172+56.64	16.3	RT	1048.29	MANHOLES 6-FT DIAMETER	C	8.09	---	P464	H463	H465	1040.20	1040.04	1.00	16	22	III	30	---
STH 167	H465	172+56.40	3.0	LT	1046.36	MANHOLES 5-FT DIAMETER	HM	6.32	---	P466	H465	H467	1040.04	1039.53	1.00	51	56	III	30	---
STH 167	H467	172+55.64	63.8	LT	1045.95	MANHOLES 5-FT DIAMETER	HM	6.42	---	P468	H467	H469	1039.53	1039.43	1.00	10	15	III	30	---
STH 167	H469	172+55.48	76.6	LT	1044.84	MANHOLES 6-FT DIAMETER	J	8.84	---	P470	H469	H471	1036.00	1034.47	1.00	153	159	IIIA	30	---
STH 167	H471	170+96.69	74.2	LT	1041.98	MANHOLES 6-FT DIAMETER	J	9.54	---	P472	H471	H472A	1032.44	1032.02	2.00	21	24	III	30	---
STH 167	H473	167+99.91	65.5	LT	1042.38	INLETS 2X3-FT	H	6.28	UNDERDRAIN CONNECTION	P474	H473	H474A	1036.10	1036.00	0.50	21	22	III	18	---
STH 164	H475	255+26.20	13.0	LT	1035.19	INLETS 2X3-FT	HM	5.60	---	P476	H475	H477	1029.59	1029.40	1.00	19	21	III	18	---
STH 164	H477	255+26.10	32.2	LT	1035.06	INLETS 2X3-FT	HM	5.66	---	P478	H477	H479	1029.40	1029.22	1.00	18	21	III	18	---
STH 164	H479	255+25.98	56.2	LT	1034.69	INLETS 4-FT DIAMETER	HM	5.47	---	P480	H479	H480A	1029.22	1028.95	1.00	27	29	III	18	---

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[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION.

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

ALL ITEMS CATEGORY 0010

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
STH 164	H481	257+43.54	7.5	LT	1025.18	INLETS 2X3-FT	HM	4.18	---	P482	H481	H483	1021.00	1020.97	0.50	6	9	IV	15	---
STH 164	H483	257+43.96	13.9	LT	1025.09	INLETS 4-FT DIAMETER	HM	4.12	---	P484	H483	H486	1020.97	1020.79	1.00	18	22	IV	15	---
STH 164	---	---	---	---	---	---	---	---	---	P485	H485A	H486	1017.14	1016.59	1.00	53	56	III	42	---
STH 164	H486	257+66.02	12.6	LT	1024.13	MANHOLES 6-FT DIAMETER	J	9.96	---	P487	H486	H487A	1014.17	1013.68	1.00	49	51	III	42	---
---	---	---	---	---	---	---	---	---	---	P499	H499A	H507	1016.59	1015.20	4.00	33	35	IV	18	---
---	---	---	---	---	---	---	---	---	---	P502	H502A	H503	1018.03	1015.08	2.00	145	147	IV	24	---
STH 164	H503	304+92.88	13.6	RT	1019.18	MANHOLES 4-FT DIAMETER	J	4.23	---	P504	H503	H505	1014.95	1014.93	0.50	4	8	IV	24	---
STH 164	H505	304+88.58	8.9	RT	1018.53	INLETS 4-FT DIAMETER	HM	3.60	---	P506	H505	H507	1014.93	1014.70	0.30	76	80	IV	24	---
STH 164	H507	304+87.83	74.4	LT	1018.44	INLETS 4-FT DIAMETER	HM	3.74	---	P508	H507	H508A	1014.70	1014.48	0.30	75	77	IV	24	---
STH 164	---	---	---	---	---	---	---	---	---	P509	H509A	H510	1016.23	1016.03	0.30	67	69	III	24	---
STH 164	H510	324+25.00	30.0	RT	1021.43	MANHOLES 4-FT DIAMETER	J	5.40	---	P511	H510	H512	1016.03	1015.67	0.30	121	125	IIA	24	---
STH 164	H512	325+50.00	30.0	RT	1021.31	MANHOLES 4-FT DIAMETER	J	5.64	---	P513	H512	H513A	1015.67	1015.55	0.30	41	43	III	24	---
STH 164	---	---	---	---	---	---	---	---	---	P514	H514A	H515	1013.49	1013.26	0.50	45	47	III	24	---
STH 164	H515	328+50.00	30.0	LT	1019.83	MANHOLES 4-FT DIAMETER	J	6.57	---	P516	H515	H517	1013.26	1012.90	0.50	71	75	IIA	24	---
STH 164	H517	329+25.00	34.0	LT	1018.72	INLETS 4-FT DIAMETER	C	5.82	---	P518	H517	H519	1012.90	1012.05	0.50	171	175	IIA	24	---
STH 164	H519	331+00.02	27.0	LT	1017.71	MANHOLES 4-FT DIAMETER	J	5.66	---	P520	H519	H520A	1012.05	1011.82	0.50	46	48	III	24	---
CTH E	H535	229+35.34	2.8	RT	1016.27	INLETS 2X3-FT	HM	3.19	---	P536	H535	H537	1013.08	1013.06	0.30	8	11	IV	12	---
CTH E	H537	229+30.85	9.7	RT	1016.15	INLETS 4-FT DIAMETER	HM	3.09	---	P538	H537	H540	1013.06	1013.01	0.30	16	21	IV	12	---
CTH E	---	---	---	---	---	---	---	---	---	P539	H539A	H540	1012.14	1012.01	0.30	39	41	IV	24	---
CTH E	H540	229+11.00	6.0	RT	1017.24	MANHOLES 5-FT DIAMETER	J	5.23	---	P541	H540	H541A	1012.01	1011.92	0.30	30	33	IV	24	---
CLUB DRIVE	H542	241+43.52	22.0	RT	1043.97	INLETS MEDIAN 1 GRATE	MS	5.82	GRATE SINGLE SLOPE	P543	H542	H546	1038.15	1036.35	2.00	91	95	III	18	---
STH 164	H544	418+76.65	56.6	RT	1039.15	INLETS MEDIAN 2 GRATE	MS	4.00	GRATE SINGLE SLOPE	P545	H544	H546	1035.15	1033.38	3.00	64	68	III	24	---
STH 164	H546	418+09.16	53.6	RT	1040.70	MANHOLES 5-FT DIAMETER	J	8.71	---	P547	H546	H551	1031.99	1023.58	5.00	172	175	IV	24	---
STH 164	H548	301+57.12	38.1	RT	1007.87	INLETS MEDIAN 2 GRATE	MS	3.00	GRATE SINGLE SLOPE	P549	H548	H549A	1004.87	1004.30	0.95	58	60	III	24	---
STH 164	H550	416+34.00	42.0	RT	1030.03	INLETS 2X3-FT	HM	5.74	---	P550	H550	H551	1024.29	1024.21	0.50	13	16	IV	15	---
STH 164	H551	416+34.00	58.0	RT	1029.60	MANHOLES 5-FT DIAMETER	J	6.26	---	P551	H551	H547A	1023.34	1019.36	5.00	79	81	IV	24	---

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION.

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

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STORM SEWER ITEM TOTALS

611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.3230 INLETS 2x3-FT EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0535 MANHOLE COVERS TYPE J SPECIAL EACH	611.0612 INLET COVERS TYPE C EACH	611.0627 INLET COVERS TYPE HM EACH	611.0642 INLET COVERS TYPE MS EACH	611.0624 INLET COVERS TYPE H EACH	611.0651 INLET COVERS TYPE S EACH	611.0652 INLET COVERS TYPE T EACH
16	36	7	1	44	29	1	12	51	4	65	25	10	1	2

608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	608.0442 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 42-INCH LF
54	480	313	906	341	173	49	635	169	2288	128	17

608.3015 STORM SEWER PIPE CLASS III-A 15-INCH LF	608.3018 STORM SEWER PIPE CLASS III-A 18-INCH LF	608.3024 STORM SEWER PIPE CLASS III-A 24-INCH LF	608.3030 STORM SEWER PIPE CLASS III-A 30-INCH LF
30	379	4031	370

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ENDWALL AND PIPE GRATES FOR STORM SEWER

ROADWAY	PIPE ID	ENDWALL ID	ENDWALL ELEVATION	ENDWALL STATION	ENDWALL OFFSET	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	* * 522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	* * 522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	* * 522.1042 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 42-INCH EACH	521.0342 APRON ENDWALLS FOR CULVERT PIPE SLOPED CROSS DRAINS STEEL 42-INCH 4:1-SLOPE EACH	* * 633.5200 MARKERS CULVERT END EACH
STH 164												
	P132	H132A	1010.97	57+91	43'LT	--	--	1	--	--	--	1
	P157	H157A	1014.55	68+19	57'LT	1	--	--	--	--	--	1
	P178	H178A	1102.15	123+47	36'LT	--	1	--	--	--	--	1
	P181	H181A	1103.49	123+97	36'RT	--	1	--	--	--	--	1
	P229	H229A	1026.40	104+54	39'LT	--	--	--	1	--	--	1
	P244	H244A	1152.44	168+91	66'RT	--	--	1	--	--	--	1
	P245	H245A	1152.96	168+10	77'RT	--	--	1	--	--	--	1
	P251	H251A	1148.02	165+90	46'RT	--	--	1	--	--	--	1
	P291	H291A	1064.70	223+75	34'RT	--	--	1	--	--	--	1
	P330	H330A	1073.59	238+61	51'RT	--	--	--	--	1	--	1
	P334	P334A	1071.25	238+61	45'LT	--	--	--	--	1	--	1
	P431	H431A	1027.20	253+79	99'LT	--	--	1	--	--	--	1
	P480	H480A	1028.89	255+35	88'LT	--	1	--	--	--	--	1
	P485	H485A	1017.22	257+39	45'RT	--	--	--	--	--	1	1
	P487	H487A	1013.60	257+81	70'LT	--	--	--	--	--	1	1
	P499	H499A	1016.83	305+27	73'LT	--	1	--	--	--	--	1
	P502	H502A	1018.15	306+46	12'RT	--	--	1	--	--	--	1
	P508	H508A	1014.46	304+04	72'LT	--	--	1	--	--	--	1
	P509	H509A	1016.25	323+51	42'RT	--	--	1	--	--	--	1
	P513	H513A	1015.53	325+97	41'RT	--	--	1	--	--	--	1
	P514	H514A	1013.52	328+01	49'LT	--	--	1	--	--	--	1
	P520	H520A	1011.79	331+52	41'LT	--	--	1	--	--	--	1
	P539	H539A	1012.16	413+55	88'LT	--	--	1	--	--	--	1
	P541	H541A	1011.90	412+68	89'LT	--	--	1	--	--	--	1
	P549	H549A	1004.30	300+93	34'RT	--	--	1	--	--	--	1
	P551	H547A	1019.36	415+48	60'RT	--	--	1	--	--	--	1
STH 167												
	P462	H462A	1048.52	174+87	32'RT	--	--	--	1	--	--	1
	P472	H472A	1031.90	170+93	104'LT	--	--	--	1	--	--	1
	P474	H474A	1035.97	167+86	89'LT	--	1	--	---	--	--	1
HUBERTUS ROAD												
	P261	H261A	1130.23	116+47	33'RT	--	--	1	--	--	--	1
	P265	H265A	1114.44	113+67	37'RT	--	--	1	--	--	--	1
TOTALS						1	5	18	3	2	2	31

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* * ADDITIONAL QUANTITIES FOUND ELSEWHERE

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EROSION CONTROL ITEMS (CONTINUED)

LOCATION	STATION	TO	STATION	OFFSET	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.2023 EROSION MAT CLASS II TYPE B SY	628.2037 EROSION MAT CLASS III TYPE C SY	628.7504 TEMPORARY DITCH CHECKS LF	628.7570 ROCK BAGS EACH	628.7555 CULVERT PIPE CHECKS EACH	SPV.0090.03 HEAVY DUTY SILT FENCE LF
	376+00	-	391+00	LT	--	--	18	--	--	1,616	--	--	--	72	--	31	18
	391+00	-	406+00	RT	--	--	629	--	--	956	1,235	--	--	48	--	5	629
	391+00	-	406+00	LT	--	--	468	--	--	1,574	1,815	--	--	36	--	26	468
	406+00	-	421+00	RT	--	--	1,026	--	--	337	233	462	143	24	--	--	1,026
	406+00	-	421+00	LT	--	406	1,015	--	--	3,033	--	2,986	--	336	--	5	609
	421+00	-	436+00	RT	--	--	--	--	--	1,437	187	--	--	216	--	--	--
	421+00	-	436+00	LT	--	1,268	1,268	--	--	297	--	--	--	12	--	--	--
	436+00	-	446+61	RT	--	--	--	--	--	793	--	2,579	--	24	--	28	--
	436+00	-	446+61	LT	--	534	534	--	--	933	--	--	--	36	--	20	--
SUBTOTALS					--	15,070	22,150	--	--	53,599	8,254	76,141	9,093	4,272	--	559	7,080
HUBERTUS ROAD																	
	103+28	-	113+10	LT	--	511	511	--	--	--	--	2,615	446	36	--	--	--
	103+28	-	113+10	RT	--	413	413	--	--	105	--	2,187	150	48	--	3	--
	113+10	-	118+00	LT	--	--	--	--	--	--	--	198	--	--	--	8	--
	113+10	-	118+00	RT	--	--	--	--	--	--	--	349	50	12	--	3	--
SUBTOTALS					--	924	924	--	--	105	--	5,349	646	96	--	14	--
STH 167																	
	158+75	-	165+50	LT	--	--	--	--	--	671	--	--	--	84	--	--	--
	158+75	-	165+50	RT	--	--	--	--	--	--	--	--	--	12	--	--	--
	174+50	-	181+25	LT	--	622	622	--	--	--	--	--	--	--	--	--	--
	174+50	-	181+25	RT	--	--	--	--	--	1,141	--	822	--	156	--	3	--
SUBTOTALS					--	622	622	--	--	1,812	--	822	--	252	--	3	--
WASTE SITES					--	4,700	2,350	--	--	--	--	--	--	--	--	--	--
UNDISTRIBUTED					500	4,154	5,769	25	15	13,879	2,064	20,578	2,435	1,155	430	144	1,770
TOTALS					500	25,470	31,815	25	15	69,395	10,318	102,890	12,174	5,775	430	720	8,850

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ALL ITEMS CATEGORY 0010

TYPE II SIGN REMOVAL and REMOVAL OF SOLAR FLASHING BEACON AND POLE CATEGORY 0010 **2709-03-70 STH 164**

SIGN NO.	SIGN CODE	SIGN MESSAGE	**638.2602** REM SIGNS TYPE II [EA]	**638.3000** REM SMALL SIGN SUP [EA]	**204.9060.05** REMOVING SOLAR FLASHING BEACON AND POLE (EA)	REMARKS / SIGN LOCATION
1R	W14-1		1	1		
2R	R5-1		1	1		
3R	R4-7		1	1		REMOVE W5-54 PART OF SIGN # 3R
4R	W6-3		1	1		
5R	R2-1		1	1		
6R	W14-3		1	1		
7R	W11-3		1	1		W57-51 REMOVE PART OF SIGN # 7R
8R	J1-1		1	1		
9R	W2-6		1	1		REMOVE W2-6P AND W13-1 PART OF SIGN 9R
10R	W3-2		1	1		
11R	W6-1		1	1		
12R	W5-52R		1	1		
13R	R1-1		1	1		TURN OVER BLINDERS ON STOP SIGN TO SIGN SHOP CONTACT CHUCK SALDIVAR 414-266-1164
14R	R2-1		1	1		
15R	R2-1		1	1		
16R	W2-2		1	1		
17R	R2-1		1	1		
18R	NOT USED					
19R	R1-1		1			POLE IS PRIVATE OWNER LIGHT POLE - REMOVE BY OTHERS
20R	R1-1		1	1		TURN OVER BLINDERS ON STOP SIGN TO SIGN SHOP CONTACT CHUCK SALDIVAR 414-266-1164
21R	S3-1		1	1		
22R	S3-1		1	1		
23R	W2-1		1	1		
24R	R1-1		1	1		
25R	R2-1		1	1		
26R	W14-3		1	1		
27R	D1-61		1	2		
28R	R1-1		1	1		
29R	D1-61		1	2		
30R	R1-1		1	1		
31R	R2-1		1	1		

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TYPE II SIGN REMOVAL and REMOVAL OF SOLAR FLASHING BEACON AND POLE CATEGORY 0010 **2709-03-70 STH 164**

SIGN NO.	SIGN CODE	SIGN MESSAGE	**638.2602** REM SIGNS TYPE II [EA]	**638.3000** REM SMALL SIGN SUP [EA]	**204.9060.05** REMOVING SOLAR FLASHING BEACON AND POLE (EA)	REMARKS / SIGN LOCATION
32R	R2-1		1	1		
33R	W14-3		1	1		
34R	R2-1		1	1		
35R	R2-1		1	1		
36R	W14-3		1	1		
37R	W14-3		1	1		
38R	W11-5		1	1		
39R	R2-1		1	1		
40R	D1-61		1	2		
41R	R1-1		1	1		
42R	R1-1		1	1		REMOVE PLAQUE AS PART OF SIGN 42R
43R	R1-1		1	1		
44R	R1-1		1	1		REMOVE PLAQUE AS PART OF SIGN # 44R
45R	R2-1		1	1		
46R	R2-1		1	1		
47R	W3-5		1	1		
48R	W11-8		1	1		
49R	R1-1		1	1		
50R	W2-1		1	1		
51R	D1-61		1	2		
52R	W14-3		1	1		
53R	R1-1		1	1		
54R	R2-1		1	1		
55R	W2-2		1	1		
56R	R2-1		1	1		
57R	R2-1		1	1		
58R	R1-1		1	1		
59R	W2-1		1	1		REMOVE W13-1 AS PART OF SIGN # 59R
60R	W2-1		1	1		REMOVE W13-1 AS PART OF SIGN # 60R
61R	D1-61		1	2		
62R	R2-1		1	1		
63R	W11-8		1	1		
64R	R1-1		1	1		
65R	R2-1		1	1		
66R	W4-4C		1	1		THE BLINKER STOP IS TO BE MOVED SEE PERMANENT SIGNING PLAN QTYS
67R	R1-1		1	1		
68R	R5-1		1	1		
69R	W3-1		1	1		

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TYPE II SIGN REMOVAL and REMOVAL OF SOLAR FLASHING BEACON AND POLE CATEGORY 0010 **2709-03-70 STH 164**

SIGN NO.	SIGN CODE	SIGN MESSAGE	**638.2602** REM SIGNS TYPE II [EA]	**638.3000** REM SMALL SIGN SUP [EA]	**204.9060.05** REMOVING SOLAR FLASHING BEACON AND POLE (EA)	REMARKS / SIGN LOCATION
70R	W3-1		1	1		
71R	R2-1		1	1		
72R	R2-1		1	1		
73R	D1-61		1	2		
74R	R1-1		1	1		
75R	W4-4C		1	1		THE BLINKER STOP IS TO BE MOVED SEE PERMANENT SIGNING PLAN QTYS
76R	R1-1		1	1		
77R	R5-1		1	1		
78R	W3-1		1	1		
79R	W3-1		1	1		
80R	R2-1		1	1		
81R	W2-7R		1	1		
82R	W14-3		1	1		
83R	R1-1		1	1		
84R	J1-1		1	1		
85R	R1-1		1	1		
86R	R2-1		1	1		
87R	W3-1		1	1		
88R	J2-3		1	2		
89R	D1-2		1	2		
90R	S1-1		1	1		REMOVAL OF PLAQUES PART OF SIGN 90R
91R	R1-1		1		1	REMOVE POLE WITH RED SOLAR BEACON. PLACE AT PLEASANT HILL ROAD PER PERMANENT SIGNING PLAN
92R	J3-2		1	1		REMOVAL OF W14-3 IS PART OF 92R
93R	J3-2		1	1		REMOVAL OF W14-3 IS PART OF 93R
94R	R1-1		1		1	REMOVE POLE WITH RED SOLAR BEACON. TURN OVER TO ELECTRICAL UNIT - CONTACT DENNIS CAULEY, 414-266-1170
95R	R1-1		1	1		
96R	J4-1		1	1		
97R	D1-2		1	2		

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ID 2709-03-70
Revised Sheet 480
April 26, 2018

TYPE II SIGN REMOVAL and REMOVAL OF SOLAR FLASHING BEACON AND POLE CATEGORY 0010 **2709-03-70 STH 164**

SIGN NO.	SIGN CODE	SIGN MESSAGE	**638.2602** REM SIGNS TYPE II [EA]	**638.3000** REM SMALL SIGN SUP [EA]	**204.9060.05** REMOVING SOLAR FLASHING BEACON AND POLE (EA)	REMARKS / SIGN LOCATION
98R	R1-1		1		1	REMOVE POLE WITH RED SOLAR BEACON PLACE AT PLEASANT HILL ROAD PER PERMANENT SIGNING PLAN
99R	J3-2		1	1		W14-3 REMOVAL IS PART OF ITEM
100R	R1-1		1		1	REMOVE POLE WITH RED SOLAR BEACON TURN OVER TO ELECTRICAL UNIT - CONTACT DENNIS CAULEY , 414-266-1170
101R	J3-1		1	1		W14-3 IS PART OF REMOVAL
102R	R1-1		1	1		
103R	J4-1		1	1		
104R	R2-1		1	1		REMOVAL OF S5-2 IS PART OF ITEM
105R	W11-3		1	1		PLAQUE REMOVAL IS PART OF 105R
106R	R1-1		1	1		
107R	W2-7R		1	1		
108R	R2-1		1	1		
109R	W3-1		1	1		
110R	W3-1		1	1		
111R	J2-3		1	2		
112R	J1-1		1	1		
113R	S1-1		1	1		REMOVAL OF PLAQUE PART OF 113R
114R	R2-1		1	1		REMOVAL OF S5-2 PART OF 114R
115R	D12-2		1	2		
116R	W3-1		1	1		
117R	W3-1		1	1		
118R	W3-1		1	1		REMOVAL OF J4-1 PART OF ITEM
119R	W3-1		1	1		REMOVAL OF J1-1 PART OF ITEM
120R	S1-1		1	1		REMOVAL OF PLAQUES PART OF ITEM
121R	R2-1		1	1		
122R	W11-3		1	1		REMOVAL OF PLAQUE PART OF ITEM
123R	W14-3		1	1		
124R	W14-3		1	1		
125R	S1-1		1	1		REMOVAL OF PLAQUE PART OF ITEM

3

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Addendum No. 01
ID 2709-03-70
Revised Sheet 481
April 26, 2018

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\2709-03-70\030501_mq.pptx PLOT DATE : 23 April 2018 PLOT BY : DOTKLM PLOT NAME : 030501_mq.pdf PLOT SCALE : 1:1

TYPE II SIGN REMOVAL and REMOVAL OF SOLAR FLASHING BEACON AND POLE CATEGORY 0010 **2709-03-70 STH 164**

SIGN NO.	SIGN CODE	SIGN MESSAGE	**638.2602** REM SIGNS TYPE II [EA]	**638.3000** REM SMALL SIGN SUP [EA]	**204.9060.05** REMOVING SOLAR FLASHING BEACON AND POLE (EA)	REMARKS / SIGN LOCATION
126R	J1-1		1	1		
127R	W3-1		1	1		
128R	J2-3		1	2		
129R	R2-1		1	1		
130R	R1-1		1	1		
131R	R2-1		1	1		
132R	W3-5		1	1		
133R	W16-9P		1	1		REMOVAL OF DEAF CHILD SIGN PART OF ITEM
134R	R2-1		1			
135R	W3-1		1			MOVING SOLAR BEACON ASSEMBLY- SEE PERMANENT SIGN QTYS
136R	D1-61		1	2		
137R	R7-1L		1	1		
138R	R7-1R		1	1		
139R	R2-1		1	1		
140R	W11-3		1	1		REMOVAL OF PLAQUE PART OF 140R
141R	W14-3		1	1		
142R	R1-1		1	1		
143R	R1-1		1	1		SEE ELECTRICAL PLAN FOR REMOVAL OF HARD WIRED BEACON REMOVAL OF W4-4C PART OF 143R
144R	R1-1		1	1		SEE ELECTRICAL PLAN FOR REMOVAL OF HARD WIRED BEACON REMOVAL OF W4-4C PART OF 144R
145R	R2-1		1	1		
146R	W14-3		1	1		
147R	W3-5		1	1		
148R	R1-1		1	1		
149R	R2-1		1			MOVING ELECTRONIC SIGN - SEE PERMANENT SIGN QTYS
150R	W2-1		1			MOVING OF SOLAR BEACON AND POLE SEE PERMANENT SIGN PLAN
151R	D1-61		1	2		

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ID 2709-03-70
Revised Sheet 482
April 26, 2018

TYPE II SIGN REMOVAL and REMOVAL OF SOLAR FLASHING BEACON AND POLE CATEGORY 0010 **2709-03-70 STH 164**

SIGN NO.	SIGN CODE	SIGN MESSAGE	**638.2602** REM SIGNS TYPE II [EA]	**638.3000** REM SMALL SIGN SUP [EA]	**204.9060.05** REMOVING SOLAR FLASHING BEACON AND POLE (EA)	REMARKS / SIGN LOCATION
152R	R7-1L		1	1		
153R	R2-1		1	1		
154R	R2-1		1	1		
155R	W2-1		1	1		
156R	D1-61		1	2		
157R	R1-1		1	1		
158R	R1-1		1	1		
159R	R2-1		1	1		
160R	I2-3		1	2		
161R	R2-1		1	1		
162R	D1-61		1	2		
163R	W2-1		1	1		
164R	W14-3		1	1		REMOVAL OF R2-1 PART OF 164R
165R	R2-1		1	1		
166R	D12-2B		1	2		W 14-3 REMOVAL PART OF 166R
167R	D12-2B		1	2		
168R	J1-1		1	1		
169R	J2-1		1	1		
170R	R2-1		1	1		
171R	J3-1		1	1		
172R	W1-7		1	1		
173R	R2-1		1	1		
174R	R1-1		1	1		
175R	J1-1		1	1		
176R	J2-1		1	1		
177R	J3-1		1	1		
178R	R1-1		1	1		
179R	R1-1		1	1		
180R	J3-1		1	1		
181R	S3-1		1	1		
182R	S3-1		1	1		
TOTALS			181	191 *	4	

* ADDITIONAL QTYS SHOWN ELSEWHERE

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Revised Sheet 483
April 26, 2018

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Addendum No. 01
ID 2709-03-70
Revised Sheet 490
April 26, 2018

TYPE II PERMANENT SIGNING AND MOVING SOLAR DEVICE AND POLES

2709-03-70 STH 164

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN.] x [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	638.2102 MOVING SIGNS TYPE II [EA]	638.3000 REMOVING SMALL SIGN SUPPORTS (EA)	634.0618 POSTS WOOD 4"x6"x18' [EA]	634.0622 POSTS WOOD 4"x6"x22' [EA]	634.0816 POSTS TUBULAR STEEL 2"x2"x16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	SPV.0060.03 MOVING SOLAR DEVICE AND POLE EACH	TYPE I SIGN SIZE W x H [FT.] x [FT.]	STEEL POST TYPE	636.0100 SIGN SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
169	S1-1(2S)		36 X 36		6.750				1														
169A	S16-9P(2S)		30 X 18		3.750							169											
169B	R2-6P(2S)		24 X 18	3.000								169											
170	W14-3(2S)		48 X 36		5.560				1				SHEET 17										
171	R2-1(2S)		24 X 30	5.000					1														
172	NOT USED																						
173	NOT USED																						
174	W14-3(2S)		48 X 36		5.560				1														
175	R3-20R(2S)		24 X 36	6.000					1														
176	R1-1(2S)		30 X 30	5.180					1														
177	R2-1(3)	SPEED LIMIT 50	36 X 48	12.000									MOUNT ON ELECTRONIC SIGN USING LARGER SIGN FOR EMPHASIS FOR ELECTRONIC SPEED SIGN										
178	NONE	ELECTRONIC SIGN												1									
179	W2-1(3)		36 X 36		9.000								SOLAR BEACON ON POLE LARGER SIGN FOR SAFETY ISSUE	1									
180	D1-61(2S)	PLEASANT HILL RD	90 X 24	15.000					2														
181	R1-1(3)		36 X 36	7.460					1				SAFETY ISSUE										
182	R7-1L(2S)		18 X 24	3.000					1														
183	R1-1(3)		36 X 36	7.460									MOVE SOLAR BEACON AND POLE FROM 164 AT 167 TO PLEASANT HILL RD. REPLACE SIGN	1									
183A	W4-4C(3)		36 X 15		3.750							183											
184	NONE	ADOPT A HIGHWAY					1	1	1														
185	R1-1(3)		36 X 36	7.460					1				SAFETY ISSUE										
186	R1-1(3)		36 X 36	7.460									MOVE SOLAR BEACON AND POLE FROM STH 164 AT 167 TO PLEASANT HILL. REPLACE SIGN	1									
186A	W4-4C(3)		36 X 15		3.750							186											
187	R71-R(2S)		18 X 24	3.000					1														
188	NONE	ADOPT A HIGHWAY					1	1	1														
189	R2-1(2S)	SPEED LIMIT 50	24 X 30	5.000					1														
190	R7-1L(2S)		18 X 24	3.000					1														
191	R2-1(2S)	SPEED LIMIT 55	24 X 30	5.000					1														
192	W14-3(2S)		48 X 36		5.560				1														
193	D1-61(2S)	PLEASANT HILL RD	90 X 24	15.000					2														
194	W3-5(2S)	40 MPH	36 X 36		9.000				1				16 X 16 TEMP FLAGS INCIDENTAL										
195	W3-5(2S)	40 MPH	36 X 36		9.000				1				16 X 16 TEMP FLAGS INCIDENTAL										
196	R3-20R(2S)		24 X 36	6.000					1														
197	R1-1(2S)		30 X 30	5.180					1														
198	R2-1(3)	50 MPH	36 X 48	12.000									MOUNT ABOVE YOUR SPEED SIGN										
199	NONE	YOUR SPEED ELECTRONIC SIGN											YOUR SPEED ELECTRONIC SIGN	1									
200	W2-1(3)		36 X 36		9.000								SAFETY ISSUE MOVE ELECTRONIC SIGN AND POST	1									

SHEET 7 OF 10

PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: 490	E

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\2709-03-70\030502_mq.pptx PLOT DATE : 23 April 2018 PLOT BY : DOTKLM PLOT NAME : 030502_mq.pdf PLOT SCALE : 1:1

TYPE II PERMANENT SIGNING AND MOVING SOLAR DEVICE AND POLES

2709-03-70 STH 164

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN.] x [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING [SF]	638.2102 MOVING SIGNS TYPE II [EA]	638.3000 REMOVING SMALL SIGN SUPPORTS (EA)	634.0618 POSTS WOOD 4"x6"x18' [EA]	634.0622 POSTS WOOD 4"x6"x22' [EA]	634.0816 POSTS TUBULAR STEEL 2"x2"x16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION	SPV.0060.03 MOVING SOLAR DEVICE AND POLE EACH	TYPE I SIGN SIZE W x H [FT.] x [FT.]	STEEL POST TYPE	636.0100 SIGN SUPPORTS CONCRETE MASONRY [CY]	636.0500 SIGN SUPPORTS STEEL REINF. [LBS]	635.0200 SIGN SUPPORTS STRUCTURAL STEEL HS [EST.LBS]	INFO ONLY-POST LENGTHS TO BE VERIFIED BY CONTRACTOR: POST NO 1 LENGTH [FT]	POST NO 2 LENGTH [FT]	OFF SET DISTANCE [FT]	DIST BTWN POSTS "S" [FT]
272	S1-1(2S)		36 X 36		6.750				1															
272A	S16-9P(2S)		30 X 18		3.750							272												
272B	R2-6P(2S)		24 X 18	3.000								272												
273	J1-1(2S)		24 X 39	6.500					1															
	M2-1		24 X 15																					
	M1-6	STH 164	24 X 24																					
274	R2-1(2S)	SPEED LIMIT 45	24 X 30	5.000					1															
274A	S5-2(2S)		24 X 30	5.000								274												
275	W2-6(2S)		30 X 30		6.250				1				16 X 16 TEMP FLAGS INCIDENTAL											
275A	W13-1(2S)	15 MPH	18 X 18		2.250							275												
276	R3-20R(2S)		24 X 36	6.000					1															
277	D1-62	DIAGRAMMATIC	108 X 78							3														
	undistributed					1.000				5														
totals				943.110	726.420	1.000	13	11 *	197	11	74			8			2.4	136	1200				

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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ID 2709-03-70
Revised Sheet 493
April 26, 2018

SHEET 10 OF 10

PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	MISCELLANEOUS QUANTITIES – PERMANENT SIGNING	SHEET: 493	E

FILE NAME : N:\SPO\Operations\Signing\Miscellaneous Quantities\2709-03-70\030502_mq.pptx PLOT DATE : 23 April 2018 PLOT BY : DOTKLM PLOT NAME : 030502_mq.pdf PLOT SCALE : 1:1

STH 164 - Stage 1 Deep Marsh Excavation

STATION	Real Station	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
			Cut	Fill	Marsh Excavation	Marsh Backfill	Cut	Fill	Marsh Excavation	Marsh Backfill	Cut 1.00	Expanded Fill 1.20	Marsh Excavation 1.00	Expanded Marsh Backfill 1.40	
369+50	36950	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	0	0	0
370+00	37000	50.00	0.00	27.09	199.59	247.55	0	25	185	229	0	30	185	321	-30
371+00	37100	100.00	0.00	20.08	213.28	265.71	0	87	765	950	0	135	949	1,652	-135
372+00	37200	100.00	0.00	14.89	191.13	233.33	0	65	749	924	0	213	1,698	2,945	-213
373+00	37300	100.00	0.00	18.81	194.43	230.53	0	62	714	859	0	287	2,412	4,148	-287
374+00	37400	100.00	0.00	20.31	205.77	258.96	0	72	741	906	0	374	3,153	5,417	-374
375+00	37500	100.00	0.00	30.03	179.31	225.37	0	93	713	897	0	486	3,866	6,673	-486
376+00 BK	37600	100.00	0.00	0.00	0.00	0.00	0	0	332	417	0	486	4,198	7,257	-486
409+50 AH	40950	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	486	4,198	7,257	-486
410+00	41000	50.00	0.00	2.07	106.19	124.92	0	2	98	116	0	489	4,297	7,419	-489
410+50	41050	50.00	0.00	0.00	0.00	0.00	0	2	98	116	0	491	4,395	7,581	-491
			Totals				0	409	4,395	5,415					

Addendum No. 01
ID 2709-03-70
Revised Sheet 778
April 26, 2018

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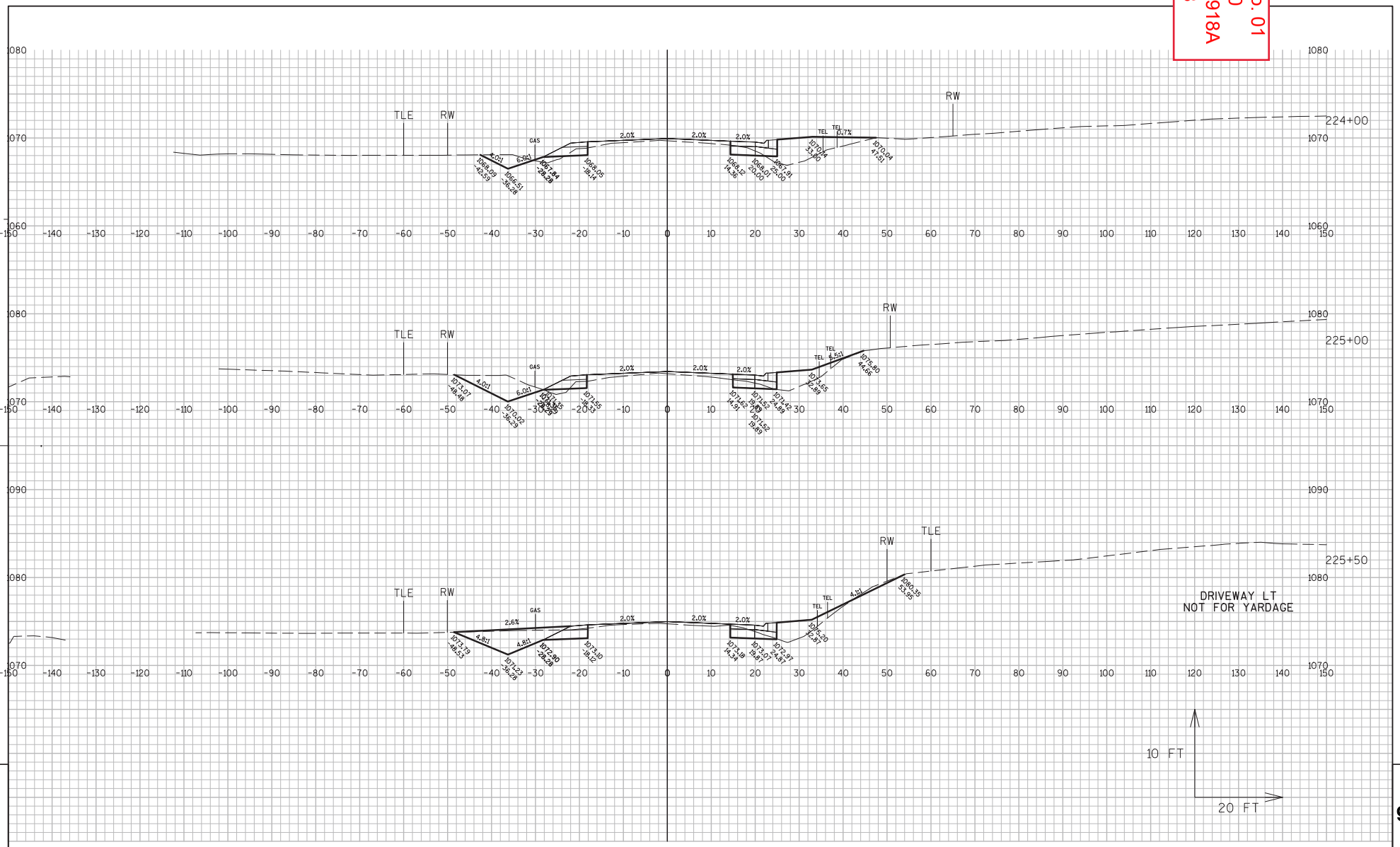
PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	EARTHWORK DATA	SHEET NO: 778	E

Addendum No. 01
ID 2709-03-70
Added Sheet 918A
April 26, 2018



PROJECT NO: 2709-03-70	HWY: STH 164	COUNTY: WASHINGTON	CROSS SECTIONS: STH 164	SHEET 918A	E

FILE NAME : T:\1102717\C400\CTVTL3D\27090300\SHEETSPLAN\090206_XS_183+50-230+28.DWG PLOT DATE : 4/24/2018 11:28 PM PLOT BY : BLACKWOOD, JTM PLOT NAME : _____ PLOT SCALE : 1:20 XREF

Proposal ID: 20180508013 **Project(s):** 2709-03-70

Federal ID(s): WISC 2018239

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	108.4400 CPM Progress Schedule	1.000 EACH	_____.____	_____.____
0004	201.0105 Clearing	231.000 STA	_____.____	_____.____
0006	201.0205 Grubbing	231.000 STA	_____.____	_____.____
0008	203.0100 Removing Small Pipe Culverts	143.000 EACH	_____.____	_____.____
0010	203.0200 Removing Old Structure (station) 01. 203+71	LS	LUMP SUM	_____.____
0012	204.0100 Removing Pavement	565.000 SY	_____.____	_____.____
0014	204.0110 Removing Asphaltic Surface	85.000 SY	_____.____	_____.____
0016	204.0115 Removing Asphaltic Surface Butt Joints	335.000 SY	_____.____	_____.____
0018	204.0125 Removing Asphaltic Surface Milling	4,840.000 TON	_____.____	_____.____
0020	204.0150 Removing Curb & Gutter	4,335.000 LF	_____.____	_____.____
0022	204.0155 Removing Concrete Sidewalk	45.000 SY	_____.____	_____.____
0024	204.0165 Removing Guardrail	1,082.000 LF	_____.____	_____.____
0026	204.0170 Removing Fence	2,210.000 LF	_____.____	_____.____
0028	204.0190 Removing Surface Drains	14.000 EACH	_____.____	_____.____
0030	204.0195 Removing Concrete Bases	1.000 EACH	_____.____	_____.____
0032	204.0210 Removing Manholes	1.000 EACH	_____.____	_____.____

Proposal ID: 20180508013 **Project(s):** 2709-03-70

Federal ID(s): WISC 2018239

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0034	204.0220 Removing Inlets	2.000 EACH	_____.____	_____.____
0036	204.0245 Removing Storm Sewer (size) 01. 18-INCH	285.000 LF	_____.____	_____.____
0038	204.0245 Removing Storm Sewer (size) 02. 24 INCH	300.000 LF	_____.____	_____.____
0040	204.0245 Removing Storm Sewer (size) 03. 30-INCH	130.000 LF	_____.____	_____.____
0042	204.9060.S Removing (item description) 01. PIPE GATE	1.000 EACH	_____.____	_____.____
0044	204.9060.S Removing (item description) 02. PRIVATE SIGN	3.000 EACH	_____.____	_____.____
0046	204.9060.S Removing (item description) 03. BOLLARDS	2.000 EACH	_____.____	_____.____
0048	204.9060.S Removing (item description) 04. LIGHT POLE	1.000 EACH	_____.____	_____.____
0050	204.9060.S Removing (item description) 05. SOLAR FLASHING BEACONS AND POLES	4.000 EACH	_____.____	_____.____
0052	204.9105.S Removing (item description) 01. TIMBER RETAINING WALL STA 74+35 RT	LS	LUMP SUM	_____.____
0054	204.9105.S Removing (item description) 02. TIMBER RETAINING WALL STA 163+00 RT STH 167	LS	LUMP SUM	_____.____
0056	204.9105.S Removing (item description) 03. MODULAR BLOCK RETAINING WALL STA 230+30 LT	LS	LUMP SUM	_____.____
0058	204.9105.S Removing (item description) 04. STONE WALL STA 18+25 LT SHADY LANE	LS	LUMP SUM	_____.____

Proposal ID: 20180508013 **Project(s):** 2709-03-70

Federal ID(s): WISC 2018239

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0060	204.9105.S Removing (item description) 05. STONE WALL STA 19+25 LT SHADY LANE	LS	LUMP SUM	_____.____
0062	204.9105.S Removing (item description) 06. STONE WALL STA 18+75 RT SHADY LANE	LS	LUMP SUM	_____.____
0064	204.9105.S Removing (item description) 09. Traffic Signals STH 164 & Pleasant Hill Road	LS	LUMP SUM	_____.____
0068	204.9180.S Removing (item description) 01. CONCRETE DITCH LINING	3,730.000 SY	_____.____	_____.____
0070	205.0100 Excavation Common	625,149.000 CY	_____.____	_____.____
0072	205.0400 Excavation Marsh	11,313.000 CY	_____.____	_____.____
0074	205.2000.S Settlement Gauges	6.000 EACH	_____.____	_____.____
0076	209.2500 Backfill Granular Grade 2	29,026.000 TON	_____.____	_____.____
0078	211.0100 Prepare Foundation for Asphaltic Paving (project) 01. 2709-03-70	LS	LUMP SUM	_____.____
0080	213.0100 Finishing Roadway (project) 01. 2709-03-70	1.000 EACH	_____.____	_____.____
0082	305.0110 Base Aggregate Dense 3/4-Inch	13,790.000 TON	_____.____	_____.____
0084	305.0120 Base Aggregate Dense 1 1/4-Inch	150,385.000 TON	_____.____	_____.____
0086	310.0110 Base Aggregate Open-Graded	110.000 TON	_____.____	_____.____
0088	311.0110 Breaker Run	14,140.000 TON	_____.____	_____.____
0090	313.0110 Pit Run	54,853.000 TON	_____.____	_____.____

Proposal ID: 20180508013 **Project(s):** 2709-03-70

Federal ID(s): WISC 2018239

SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0092	371.1000.S QMP Base Aggregate Dense 1 1/4-Inch Compaction	150,385.000 TON	_____.____	_____.____
0094	405.0100 Coloring Concrete WisDOT Red	375.000 CY	_____.____	_____.____
0096	415.5110.S Concrete Pavement Joint Layout	1.000 LS	_____.____	_____.____
0098	416.0170 Concrete Driveway 7-Inch	900.000 SY	_____.____	_____.____
0100	416.0512 Concrete Truck Apron 12-Inch	1,050.000 SY	_____.____	_____.____
0102	416.0610 Drilled Tie Bars	8.000 EACH	_____.____	_____.____
0104	416.1010 Concrete Surface Drains	16.300 CY	_____.____	_____.____
0106	440.4410 Incentive IRI Ride	32,800.000 DOL	1.00000	32,800.00
0108	450.4000 HMA Cold Weather Paving	10,000.000 TON	_____.____	_____.____
0110	455.0605 Tack Coat	27,055.000 GAL	_____.____	_____.____
0112	460.2005 Incentive Density PWL HMA Pavement	38,730.000 DOL	1.00000	38,730.00
0114	460.2010 Incentive Air Voids HMA Pavement	38,730.000 DOL	1.00000	38,730.00
0116	460.6223 HMA Pavement 3 MT 58-28 S	44,575.000 TON	_____.____	_____.____
0118	460.6224 HMA Pavement 4 MT 58-28 S	23,200.000 TON	_____.____	_____.____
0120	465.0110 Asphaltic Surface Patching	400.000 TON	_____.____	_____.____
0122	465.0120 Asphaltic Surface Driveways and Field Entrances	1,458.000 TON	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0124	465.0315 Asphaltic Flumes	717.000 SY	_____.____	_____.____
0126	465.0425 Asphaltic Shoulder Rumble Strips 2-Lane Rural	55,986.000 LF	_____.____	_____.____
0128	465.0475 Asphalt Centerline Rumble Strips 2-Lane Rural	28,000.000 LF	_____.____	_____.____
0130	502.3200 Protective Surface Treatment	83.000 SY	_____.____	_____.____
0132	504.0500 Concrete Masonry Retaining Walls	67.000 CY	_____.____	_____.____
0134	505.0600 Bar Steel Reinforcement HS Coated Structures	11,325.000 LB	_____.____	_____.____
0136	516.0500 Rubberized Membrane Waterproofing	23.000 SY	_____.____	_____.____
0138	520.1024 Apron Endwalls for Culvert Pipe 24-Inch	16.000 EACH	_____.____	_____.____
0140	520.2024 Culvert Pipe Temporary 24-Inch	20.000 LF	_____.____	_____.____
0142	520.3324 Culvert Pipe Class III-A 24-Inch	308.000 LF	_____.____	_____.____
0144	521.0342 Apron Endwalls for Culvert Pipe Sloped Cross Drains Steel 42-Inch 4 to 1	2.000 EACH	_____.____	_____.____
0146	521.0535 Apron Endwalls for Pipe Arch Sloped Cross Drains Steel 35x24-Inch 4 to 1	24.000 EACH	_____.____	_____.____
0148	521.0542 Apron Endwalls for Pipe Arch Sloped Cross Drains Steel 42x29-Inch 4 to 1	2.000 EACH	_____.____	_____.____
0150	521.0557 Apron Endwalls for Pipe Arch Sloped Cross Drains Steel 57x38-Inch 4 to 1	2.000 EACH	_____.____	_____.____
0152	521.0571 Apron Endwalls for Pipe Arch Sloped Cross Drains Steel 71x47-Inch 4 to 1	2.000 EACH	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0154	521.1524 Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 24-Inch 6 to 1	24.000 EACH	_____.____	_____.____
0156	521.1536 Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 36-Inch 6 to 1	2.000 EACH	_____.____	_____.____
0158	521.1728 Apron Endwalls for Pipe Arch Sloped Side Drains Steel 28x20-Inch 6 to 1	110.000 EACH	_____.____	_____.____
0160	521.1735 Apron Endwalls for Pipe Arch Sloped Side Drains Steel 35x24-Inch 6 to 1	10.000 EACH	_____.____	_____.____
0162	521.3124 Culvert Pipe Corrugated Steel 24-Inch	380.000 LF	_____.____	_____.____
0164	521.3136 Culvert Pipe Corrugated Steel 36-Inch	31.000 LF	_____.____	_____.____
0166	521.3728 Pipe Arch Corrugated Steel 28x20-Inch	1,700.000 LF	_____.____	_____.____
0168	521.3735 Pipe Arch Corrugated Steel 35x24-Inch	131.000 LF	_____.____	_____.____
0170	522.0124 Culvert Pipe Reinforced Concrete Class III 24-Inch	395.000 LF	_____.____	_____.____
0172	522.0130 Culvert Pipe Reinforced Concrete Class III 30-Inch	108.000 LF	_____.____	_____.____
0174	522.0142 Culvert Pipe Reinforced Concrete Class III 42-Inch	136.000 LF	_____.____	_____.____
0176	522.0148 Culvert Pipe Reinforced Concrete Class III 48-Inch	103.000 LF	_____.____	_____.____
0178	522.0424 Culvert Pipe Reinforced Concrete Class IV 24-Inch	323.000 LF	_____.____	_____.____
0180	522.1015 Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	1.000 EACH	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0182	522.1018 Apron Endwalls for Culvert Pipe Reinforced Concrete 18-Inch	5.000 EACH	_____.____	_____.____
0184	522.1024 Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	36.000 EACH	_____.____	_____.____
0186	522.1030 Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	5.000 EACH	_____.____	_____.____
0188	522.1042 Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	4.000 EACH	_____.____	_____.____
0190	522.1048 Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	2.000 EACH	_____.____	_____.____
0192	522.2348 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 48x76-Inch	94.000 LF	_____.____	_____.____
0194	522.2419 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	80.000 LF	_____.____	_____.____
0196	522.2424 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	957.000 LF	_____.____	_____.____
0198	522.2429 Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 29x45-Inch	84.000 LF	_____.____	_____.____
0200	522.2619 Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	2.000 EACH	_____.____	_____.____
0202	601.0405 Concrete Curb & Gutter 18-Inch Type A	155.000 LF	_____.____	_____.____
0204	601.0411 Concrete Curb & Gutter 30-Inch Type D	3,195.000 LF	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0206	601.0553 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type D	20,585.000 LF	_____.____	_____.____
0208	601.0582 Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type T	320.000 LF	_____.____	_____.____
0210	601.0600 Concrete Curb Pedestrian	130.000 LF	_____.____	_____.____
0212	602.0405 Concrete Sidewalk 4-Inch	16,380.000 SF	_____.____	_____.____
0214	602.0505 Curb Ramp Detectable Warning Field Yellow	320.000 SF	_____.____	_____.____
0216	606.0200 Riprap Medium	2,131.000 CY	_____.____	_____.____
0218	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	54.000 LF	_____.____	_____.____
0220	608.0315 Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	480.000 LF	_____.____	_____.____
0222	608.0318 Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	313.000 LF	_____.____	_____.____
0224	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	930.000 LF	_____.____	_____.____
0226	608.0330 Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	341.000 LF	_____.____	_____.____
0228	608.0342 Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	173.000 LF	_____.____	_____.____
0230	608.0412 Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	49.000 LF	_____.____	_____.____
0232	608.0415 Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	635.000 LF	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0234	608.0418 Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	169.000 LF	_____.____	_____.____
0236	608.0424 Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	2,264.000 LF	_____.____	_____.____
0238	608.0430 Storm Sewer Pipe Reinforced Concrete Class IV 30-Inch	128.000 LF	_____.____	_____.____
0240	608.0442 Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	17.000 LF	_____.____	_____.____
0242	608.3015 Storm Sewer Pipe Class III-A 15-Inch	30.000 LF	_____.____	_____.____
0244	608.3018 Storm Sewer Pipe Class III-A 18-Inch	379.000 LF	_____.____	_____.____
0246	608.3024 Storm Sewer Pipe Class III-A 24-Inch	4,031.000 LF	_____.____	_____.____
0248	608.3030 Storm Sewer Pipe Class III-A 30-Inch	370.000 LF	_____.____	_____.____
0250	611.0535 Manhole Covers Type J-Special	51.000 EACH	_____.____	_____.____
0252	611.0612 Inlet Covers Type C	4.000 EACH	_____.____	_____.____
0254	611.0624 Inlet Covers Type H	9.000 EACH	_____.____	_____.____
0256	611.0627 Inlet Covers Type HM	66.000 EACH	_____.____	_____.____
0258	611.0642 Inlet Covers Type MS	25.000 EACH	_____.____	_____.____
0260	611.0651 Inlet Covers Type S	1.000 EACH	_____.____	_____.____
0262	611.0652 Inlet Covers Type T	2.000 EACH	_____.____	_____.____
0264	611.2004 Manholes 4-FT Diameter	16.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0266	611.2005 Manholes 5-FT Diameter	36.000 EACH	_____.____	_____.____
0268	611.2006 Manholes 6-FT Diameter	7.000 EACH	_____.____	_____.____
0270	611.2007 Manholes 7-FT Diameter	1.000 EACH	_____.____	_____.____
0272	611.3004 Inlets 4-FT Diameter	29.000 EACH	_____.____	_____.____
0274	611.3230 Inlets 2x3-FT	44.000 EACH	_____.____	_____.____
0276	611.3901 Inlets Median 1 Grate	1.000 EACH	_____.____	_____.____
0278	611.3902 Inlets Median 2 Grate	12.000 EACH	_____.____	_____.____
0280	611.8115 Adjusting Inlet Covers	19.000 EACH	_____.____	_____.____
0282	612.0106 Pipe Underdrain 6-Inch	1,500.000 LF	_____.____	_____.____
0284	612.0206 Pipe Underdrain Unperforated 6-Inch	35.000 LF	_____.____	_____.____
0286	612.0406 Pipe Underdrain Wrapped 6-Inch	245.000 LF	_____.____	_____.____
0288	612.0806 Apron Endwalls for Underdrain Reinforced Concrete 6-Inch	1.000 EACH	_____.____	_____.____
0290	614.0150 Anchor Assemblies for Steel Plate Beam Guard	2.000 EACH	_____.____	_____.____
0292	614.2300 MGS Guardrail 3	764.000 LF	_____.____	_____.____
0294	614.2330 MGS Guardrail 3 K	125.000 LF	_____.____	_____.____
0296	614.2350 MGS Guardrail Short Radius	40.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0298	614.2500 MGS Thrie Beam Transition	40.000 LF	_____.____	_____.____
0300	614.2610 MGS Guardrail Terminal EAT	8.000 EACH	_____.____	_____.____
0302	614.2630 MGS Guardrail Short Radius Terminal	1.000 EACH	_____.____	_____.____
0304	616.0700.S Fence Safety	260.000 LF	_____.____	_____.____
0306	618.0100 Maintenance And Repair of Haul Roads (project) 01. 2709-03-70	1.000 EACH	_____.____	_____.____
0308	619.1000 Mobilization	1.000 EACH	_____.____	_____.____
0310	620.0300 Concrete Median Sloped Nose	690.000 SF	_____.____	_____.____
0312	621.0100 Landmark Reference Monuments	5.000 EACH	_____.____	_____.____
0314	624.0100 Water	3,160.000 MGAL	_____.____	_____.____
0316	625.0100 Topsoil	43,545.000 SY	_____.____	_____.____
0318	625.0500 Salvaged Topsoil	435,890.000 SY	_____.____	_____.____
0320	627.0200 Mulching	436,811.000 SY	_____.____	_____.____
0322	628.1104 Erosion Bales	500.000 EACH	_____.____	_____.____
0324	628.1504 Silt Fence	25,740.000 LF	_____.____	_____.____
0326	628.1520 Silt Fence Maintenance	31,815.000 LF	_____.____	_____.____
0328	628.1905 Mobilizations Erosion Control	25.000 EACH	_____.____	_____.____

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Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0330	628.1910 Mobilizations Emergency Erosion Control	15.000 EACH	_____.____	_____.____
0332	628.2004 Erosion Mat Class I Type B	69,395.000 SY	_____.____	_____.____
0334	628.2008 Erosion Mat Urban Class I Type B	10,318.000 SY	_____.____	_____.____
0336	628.2023 Erosion Mat Class II Type B	102,890.000 SY	_____.____	_____.____
0338	628.2037 Erosion Mat Class III Type C	12,174.000 SY	_____.____	_____.____
0340	628.7005 Inlet Protection Type A	95.000 EACH	_____.____	_____.____
0342	628.7015 Inlet Protection Type C	69.000 EACH	_____.____	_____.____
0344	628.7020 Inlet Protection Type D	8.000 EACH	_____.____	_____.____
0346	628.7504 Temporary Ditch Checks	5,775.000 LF	_____.____	_____.____
0348	628.7555 Culvert Pipe Checks	720.000 EACH	_____.____	_____.____
0350	628.7560 Tracking Pads	6.000 EACH	_____.____	_____.____
0352	628.7570 Rock Bags	430.000 EACH	_____.____	_____.____
0354	629.0210 Fertilizer Type B	679.000 CWT	_____.____	_____.____
0356	630.0120 Seeding Mixture No. 20	17,760.000 LB	_____.____	_____.____
0358	630.0200 Seeding Temporary	9,540.000 LB	_____.____	_____.____
0360	630.0400 Seeding Nurse Crop	20.000 LB	_____.____	_____.____
0362	631.0300 Sod Water	910.000 MGAL	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0364	631.1000 Sod Lawn	36,390.000 SY	_____.____	_____.____
0366	633.5200 Markers Culvert End	87.000 EACH	_____.____	_____.____
0368	634.0618 Posts Wood 4x6-Inch X 18-FT	197.000 EACH	_____.____	_____.____
0370	634.0622 Posts Wood 4x6-Inch X 22-FT	11.000 EACH	_____.____	_____.____
0372	634.0816 Posts Tubular Steel 2x2-Inch X 16-FT	74.000 EACH	_____.____	_____.____
0374	635.0200 Sign Supports Structural Steel HS	1,200.000 LB	_____.____	_____.____
0376	636.0100 Sign Supports Concrete Masonry	2.400 CY	_____.____	_____.____
0378	636.0500 Sign Supports Steel Reinforcement	136.000 LB	_____.____	_____.____
0380	637.2210 Signs Type II Reflective H	943.110 SF	_____.____	_____.____
0382	637.2215 Signs Type II Reflective H Folding	1.000 SF	_____.____	_____.____
0384	637.2230 Signs Type II Reflective F	726.420 SF	_____.____	_____.____
0386	638.2102 Moving Signs Type II	13.000 EACH	_____.____	_____.____
0388	638.2602 Removing Signs Type II	181.000 EACH	_____.____	_____.____
0390	638.3000 Removing Small Sign Supports	202.000 EACH	_____.____	_____.____
0392	643.0300 Traffic Control Drums	12,540.000 DAY	_____.____	_____.____
0394	643.0310.S Temporary Portable Rumble Strips	1.000 LS	_____.____	_____.____
0396	643.0410 Traffic Control Barricades Type II	722.000 DAY	_____.____	_____.____

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0398	643.0420 Traffic Control Barricades Type III	20,196.000 DAY	_____.____	_____.____
0400	643.0500 Traffic Control Flexible Tubular Marker Posts	120.000 EACH	_____.____	_____.____
0402	643.0600 Traffic Control Flexible Tubular Marker Bases	80.000 EACH	_____.____	_____.____
0404	643.0705 Traffic Control Warning Lights Type A	37,414.000 DAY	_____.____	_____.____
0406	643.0900 Traffic Control Signs	107,392.000 DAY	_____.____	_____.____
0408	643.0910 Traffic Control Covering Signs Type I	14.000 EACH	_____.____	_____.____
0410	643.0920 Traffic Control Covering Signs Type II	13.000 EACH	_____.____	_____.____
0412	643.1000 Traffic Control Signs Fixed Message	485.250 SF	_____.____	_____.____
0414	643.1050 Traffic Control Signs PCMS	866.000 DAY	_____.____	_____.____
0416	643.5000 Traffic Control	1.000 EACH	_____.____	_____.____
0418	645.0111 Geotextile Type DF Schedule A	2,955.000 SY	_____.____	_____.____
0420	645.0120 Geotextile Type HR	4,261.000 SY	_____.____	_____.____
0422	645.0135 Geotextile Type SR	31,700.000 SY	_____.____	_____.____
0424	646.1020 Marking Line Epoxy 4-Inch	47,536.000 LF	_____.____	_____.____
0426	646.1040 Marking Line Grooved Wet Ref Epoxy 4-Inch	79,733.000 LF	_____.____	_____.____
0428	646.3020 Marking Line Epoxy 8-Inch	8,445.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0430	646.4520 Marking Line Same Day Epoxy 4-Inch	68,419.000 LF	_____.____	_____.____
0432	646.5020 Marking Arrow Epoxy	42.000 EACH	_____.____	_____.____
0434	646.5120 Marking Word Epoxy	21.000 EACH	_____.____	_____.____
0436	646.6120 Marking Stop Line Epoxy 18-Inch	720.000 LF	_____.____	_____.____
0438	646.6320 Marking Dotted Extension Epoxy 18-Inch	84.000 LF	_____.____	_____.____
0440	646.6464.S Cold Weather Marking Epoxy 4-Inch	25,000.000 LF	_____.____	_____.____
0442	646.6468.S Cold Weather Marking Epoxy 8-Inch	1,000.000 LF	_____.____	_____.____
0444	646.7120 Marking Diagonal Epoxy 12-Inch	1,821.000 LF	_____.____	_____.____
0446	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	276.000 LF	_____.____	_____.____
0448	646.8120 Marking Curb Epoxy	68.000 LF	_____.____	_____.____
0450	646.8220 Marking Island Nose Epoxy	5.000 EACH	_____.____	_____.____
0452	648.0100 Locating No-Passing Zones	9.590 MI	_____.____	_____.____
0454	649.0105 Temporary Marking Line Paint 4-Inch	50,774.000 LF	_____.____	_____.____
0456	649.0150 Temporary Marking Line Removable Tape 4-Inch	800.000 LF	_____.____	_____.____
0458	649.0550 Temporary Marking Arrow Removable Tape	4.000 EACH	_____.____	_____.____
0460	649.0850 Temporary Marking Stop Line Removable Tape 18-Inch	66.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0462	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	1,960.000 LF	_____.____	_____.____
0464	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	345.000 LF	_____.____	_____.____
0466	653.0140 Pull Boxes Steel 24x42-Inch	7.000 EACH	_____.____	_____.____
0468	654.0102 Concrete Bases Type 2	1.000 EACH	_____.____	_____.____
0470	654.0105 Concrete Bases Type 5	16.000 EACH	_____.____	_____.____
0472	654.0224 Concrete Control Cabinet Bases Type L24	1.000 EACH	_____.____	_____.____
0474	655.0610 Electrical Wire Lighting 12 AWG	2,088.000 LF	_____.____	_____.____
0476	655.0615 Electrical Wire Lighting 10 AWG	165.000 LF	_____.____	_____.____
0478	655.0620 Electrical Wire Lighting 8 AWG	8,625.000 LF	_____.____	_____.____
0480	655.0640 Electrical Wire Lighting 1 AWG	18.000 LF	_____.____	_____.____
0482	656.0200 Electrical Service Meter Breaker Pedestal (location) 01. STH 164 & STH 167	LS	LUMP SUM	_____.____
0484	657.0255 Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	17.000 EACH	_____.____	_____.____
0486	657.0310 Poles Type 3	1.000 EACH	_____.____	_____.____
0488	657.0322 Poles Type 5-Aluminum	16.000 EACH	_____.____	_____.____
0490	657.0610 Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	8.000 EACH	_____.____	_____.____

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0492	657.0715 Luminaire Arms Truss Type 4 1/2-Inch Clamp 15-FT	8.000 EACH	_____.____	_____.____
0494	659.1125 Luminaires Utility LED C	16.000 EACH	_____.____	_____.____
0496	659.2124 Lighting Control Cabinets 120/240 24-Inch	1.000 EACH	_____.____	_____.____
0498	690.0150 Sawing Asphalt	21,470.000 LF	_____.____	_____.____
0500	690.0250 Sawing Concrete	338.000 LF	_____.____	_____.____
0502	715.0502 Incentive Strength Concrete Structures	500.000 DOL	1.00000	500.00
0504	ASP.1T0A On-the-Job Training Apprentice at $5.00/HR	8,000.000 HRS	5.00000	40,000.00
0506	ASP.1T0G On-the-Job Training Graduate at $5.00/HR	12,000.000 HRS	5.00000	60,000.00
0508	SPV.0045 Special 01. Portable Speed Trailer	722.000 DAY	_____.____	_____.____
0510	SPV.0060 Special 02. Vibrating Wire Piezometer Instrumentation System	4.000 EACH	_____.____	_____.____
0512	SPV.0060 Special 03. Moving Solar Device and Pole	8.000 EACH	_____.____	_____.____
0514	SPV.0060 Special 04. Installing Pole Mounted Wired Cabinet	1.000 EACH	_____.____	_____.____
0516	SPV.0060 Special 05. Installing Two Solar Panels on One Bracket	1.000 EACH	_____.____	_____.____
0518	SPV.0060 Special 06. Installing Wavetronix Detector Module	1.000 EACH	_____.____	_____.____

Proposal ID: 20180508013 **Project(s):** 2709-03-70

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SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0520	SPV.0060 Special 07. Installing Concrete Maintenance Platform	1.000 EACH	_____.____	_____.____
0522	SPV.0060 Special 08. HMA Percent Within Limits (PWL) Test Strip Volumetrics	4.000 EACH	_____.____	_____.____
0524	SPV.0060 Special 09. HMA Percent Within Limits (PWL) Test Strip Density	4.000 EACH	_____.____	_____.____
0526	SPV.0060 Special 10. Field Facilities Office Space	1.000 EACH	_____.____	_____.____
0528	SPV.0075 Special 01. Construction Staking Miscellaneous	40.000 HRS	_____.____	_____.____
0530	SPV.0085 Special 01. Seed No Mow Fescue	115.000 LB	_____.____	_____.____
0532	SPV.0090 Special 01. Fence Split Rail Three Rail	120.000 LF	_____.____	_____.____
0534	SPV.0090 Special 02. Wick Drains	13,200.000 LF	_____.____	_____.____
0536	SPV.0090 Special 03. Heavy Duty Silt Fence	8,850.000 LF	_____.____	_____.____
0538	SPV.0090 Special 04. Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 38x60-Inc	59.000 LF	_____.____	_____.____
0540	SPV.0105 Special 01. Geotechnical Instrumentation	LS	LUMP SUM	_____.____
0542	SPV.0105 Special 02. Deep Marsh Excavation Culvert Pipe Maintenance	LS	LUMP SUM	_____.____
0544	SPV.0105 Special 03. Lighting System Integrator	LS	LUMP SUM	_____.____
0546	SPV.0105 Special 04. Lighting System Survey	LS	LUMP SUM	_____.____
0548	SPV.0105 Special 05. Survey Project 2709-03-70	LS	LUMP SUM	_____.____

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SECTION: 0001 Contract Items

Alt Set ID: **Alt Mbr ID:**

Proposal Line Number	Item ID / Description	Approximate Quantity and Units	Unit Price	Bid Amount
0550	SPV.0105 Special 06. Temporary Sedimentation Basin Installation and Maintenance STA 100+90 LT	LS	LUMP SUM	_____._____
0552	SPV.0105 Special 07. Temporary Sedimentation Basin Installation and Maintenance STA 103+00 RT	LS	LUMP SUM	_____._____
0554	SPV.0105 Special 08. Salvage and Reinstall Crushed Limestone Driveway	LS	LUMP SUM	_____._____
0556	SPV.0165 Special 01. Concrete Sidewalk 12-Inch	480.000 SF	_____._____	_____._____
0558	SPV.0165 Special 02. Remove and Salvage Brick Pavers	525.000 SF	_____._____	_____._____
0560	SPV.0165 Special 03. Install Salvaged Brick Pavers	260.000 SF	_____._____	_____._____
0562	SPV.0165 Special 04. Wall Concrete Panel Mechanically Stabilized Earth R-66-39	755.000 SF	_____._____	_____._____
0564	SPV.0165 Special 05. Wall Modular Block Gravity R-66-40	545.000 SF	_____._____	_____._____
	Section: 0001		**Total:**	_____._____
			Total Bid:	_____._____