

WFLHD SUPPLEMENT 9.6.10-1

9.6.10 CONTRACT ASSEMBLY

This supplement provides guidance for preparing and submitting an amendment to the PS&E package during advertisement.

Add the following:

9.6.10.1 Amendment Process

An amendment is done when a change is needed to the contract package (plans, cross sections, specifications, notice to bidders, estimate, or supporting data), during the advertisement period.

Amendment numbers are assigned in a sequential pattern, beginning at A001, followed by A002, A003....

The examples shown below are a representation of the intent of the amendment process. In cases with greater complexity or if there are questions regarding an approach to take for an amendment, contact Acquisition Engineering Support in Acquisitions before making changes.

9.6.10.1.1 Amendment to Plans

To make an amendment to a plan sheet, in the ORD file, add an amendment tag, which is the red triangle symbol shown below, and insert the amendment number (i.e. 1, 2, 3, etc.) adjacent to the change. The number shown in the triangle is the last numerical digit of the AXXX number, where "X" indicates the amendment number.

Apply the "cloud" around the changed condition in the plan sheet (in red).

Add the red triangle symbol with the red amendment number included at the bottom of the sheet and the text "Revised by Amendment AXXX" (in red) where the "X" indicates the amendment number.

To amend a plan sheet, follow the guidance above, and demonstrated in Figure A.

To add a plan sheet, apply a cloud revision and the alpha character "a" to the page number as shown in Figure B.

To delete a plan sheet, place an "X" across the entire sheet, as shown in Figure C.

If a plan sheet requires multiple revisions, follow the instructions shown in Figure D.

9.6.10.1.2 Amendment to Engineer's Estimate and Summary of Quantities

To make an amendment to the Engineer's Estimate, use EEBACS to update pay items, unit prices, or quantities. The EEBACS User Guide 1.0, Appendix E: Amendments, explains the process for updating EEBACS when needed. The Guide can be found at: <https://highways.dot.gov/federal-lands/estimates/eebacs-guide/appendix-e>. Provide the revised Engineer's Estimate to the Acquisitions Engineering Support. Ensure the revised Engineer's Estimate does not exceed the Construction PR total or coordinate with the Project Manager to obtain more funding for the project. If the new Engineer's Estimate exceeds the PR amount, the PM will need to increase the PR/LOA.

After Engineer's Estimate revisions are completed, amend the summary of quantities sheets with EEBACS. EEBACS tracks changes to pay items under an amendment by indicating the amendment number under the "Amend" column (EEBACS will strike through deleted items). Ensure the Summary of Quantities Sheets have the proper Sheet Numbers and column widths, so information is not cut off, and create the revised Summary of Quantities pdf sheets.

Edit the printed PDF and change the text "Milestone: Amendment" to the text "AXXX Revised by Amendment AXXX" where "XXX" indicates the amendment number.

For an example of an updated Summary of Quantities sheet, see Figure E.

9.6.10.1.3 Amendment to Special Contract Requirements



Acquisition Engineering Support and Project Manager (PM) will coordinate amendments to the SCRs. The PM will identify involvement for CFT members needed for amendments and CFT members will provide concurrence for changes made under an amendment to the SCRs.

Acquisition Engineering Support will create all amendments to the SCRs.

STATE	PROJECT	SHEET NUMBER
WY	PRA YELL 10(17)	A.2

CLEARLY SHOW ALL REVISIONS BEING MADE WITHIN EACH CLOUD (ADDITIONS & DELETIONS)

INDEX TO SHEETS

- A. GENERAL INFORMATION**
 - A.1 TITLE SHEET
 - A.2 INDEX TO PLAN SHEETS
 - A.3 PLAN SYMBOLS AND ABBREVIATIONS
 - A.4 VICINITY MAP ELK PARK TO MAMMOTH
 - A.5 VICINITY MAP NORRIS TO CANYON
 - A.6 VICINITY MAP OLD FAITHFUL TO LAKE
- B. SUMMARY OF QUANTITIES**
 - B.1-22 SUMMARY OF QUANTITIES
 - B.1-23  PLACE APPROPRIATE AMENDMENT NUMBER TAG NEXT TO EACH CLOUD
- C. TYPICAL SECTION**
 - C.1 TYPICAL SECTION QUANTITIES AND NOTES
 - C.2 TYPICAL SECTION GRAND LOOP ROAD
 - C.3 TYPICAL SECTION GRAND LOOP ROAD AT GIBBON RIVER BRIDGE
 - C.4 SUBEXCAVATION AND BACKFILL SECTIONS
 - C.5 SUBEXCAVATION AND BACKFILL TYPE 1 AND 2
 - C.6 SUBEXCAVATION AND BACKFILL TYPE 3 AND 4
 - C.7 TYPE 5 SUBEXCAVATION, AND THERMAL SECTIONS
 - C.8 THERMAL SECTION WITH THERMAL VENTING COURSE
- D. PLAN & PROFILE**
 - D.1-2 TABULATION OF ROADWAY QUANTITIES
 - D.3-22 PLAN AND PROFILE (40+00 TO 309+07.23)
 - D.23 SURVEY CONTROL
- E. TURNOUTS, PARKING AREAS, AND APPROACH ROADS**
 - E.1 TABULATION OF QUANTITIES
 - E.2 STANDARD TURNOUT DETAILS
 - E.3 FRYING PAN SPRING TURNOUT
 - E.4 NYMPH LAKE TURNOUT
 - E.5 SOUTH TWIN LAKE TURNOUT
 - E.6 CLEARWATER SPRING TURNOUT
 - E.7 NORRIS OVERLOOK PARKING B PLAN AND PROFILE
 - E.8 NORRIS OVERLOOK PARKING B LAYOUT
 - E.9 NORRIS OVERLOOK PARKING B SIDEWALK
 - E.10 NORRIS OVERLOOK PARKING A
 - E.11 ROARING MOUNTAIN PARKING PLAN AND PROFILE
 - E.12 ROARING MOUNTAIN PARKING LAYOUT
 - E.13 ROARING MOUNTAIN PARKING SIDEWALK
 - E.14 NORRIS CAMPGROUND ROAD
 - E.15 NORRIS CAMPGROUND ROAD PLAN AND PROFILE
 - E.16 NORRIS GEYSER BASIN ROAD CULVERT REPLACEMENT WORK
 - E.17 NORRIS GEYSER BASIN ROAD PLAN AND PROFILE
- F. EROSION CONTROL**
 - F.1 TABULATION OF EROSION CONTROL QUANTITIES
 - F.2-11 EROSION CONTROL PLAN (40+00 TO 309+07.23)
 - F.12 EROSION CONTROL PLAN (NORRIS OVERLOOK PARKING B)
 - F.13 EROSION CONTROL PLAN (ROARING MOUNTAIN PARKING)
 - F.14 EROSION CONTROL PLAN (NORRIS GEYSER BASIN ROAD)
 - F.15 SILT FENCE DETAILS
 - F.16 SEDIMENT WATTLE INSTALLATION DETAILS
 - F.17 SEDIMENT WATTLE INSTALLATION DETAILS IN THERMAL AREAS
 - F.18 SOIL EROSION CONTROL, CHECK DAM, (WATTLE)
 - F.18a  TEMPORARY INLET PROTECTION
 - F.19 TEMPORARY CHANNEL DIVERSION

CLOUD EACH REVISION ON SHEET

INDEX TO SHEETS

- G. DRAINAGE AND CULVERTS**
 - G.1-4 TABULATION OF DRAINAGE QUANTITIES
 - G.5 STONE MASONRY HEADWALL FOR PIPE CULVERT
 - G.6 CATCH BASIN TREATMENT AT PIPE CULVERT INSTALLATION
 - G.7 STONE MASONRY, BASIN
 - G.8 ENERGY DISSIPATORS AT CURB CUTS, PAVEMENT EDGES, AND DITCH DROP-OFFS
 - G.9 ENERGY DISSIPATOR AT CULVERT OUTLETS
 - G.10 STONE MASONRY, CHANNEL
 - G.11-13 PAVED WATERWAY, TYPE 2, 6-FOOT WIDTH
 - G.14 STANDARD UNDERDRAIN SYSTEM
 - G.15 RIPRAP DITCH
 - G.16 VITRIFIED CLAY PIPE CULVERT DETAILS
 - G.17-20 STANDARAD DRAINAGE PLANS
 - G.21 CATCH BASIN TYPE 1
 - G.22 TYPE B FRAME AND GRATE
- H. RETAINING WALLS**
 - H.1 STONE MASONRY GUARDWALL TYPE 1 PLAN AND PROFILE
 - H.2 STONE MASONRY GUARDWALL TYPE 1 DETAILS
- J. MISCELLANEOUS DETAILS**
 - J.1 SIDEWALK AND DISABLED ACCESS RAMP DETAILS
 - J.2 LOG CURB DETAILS
 - J.3 SNOWPOLE HOLDER
 - J.4 DOUBLE TUBULAR STEEL GATE AND OBJECT MARKERS
 - J.5 PEDESTRIAN RAILING TYPES 1, 2, AND 3
 - J.6 ROARING MOUNTAIN KIOSK
- K. ROADSIDE DEVELOPMENT**
 - K.1-2 SLOPE TREATMENT DETAILS
- L. ROADWAY OBLITERATION**
 - L.1 ROADWAY OBLITERATION QUANTITIES AND NOTES
 - L.2 ROADWAY OBLITERATION WITH NEW ROADWAY
 - L.3 ROADWAY OBLITERATION OFF NEW ROADWAY
 - L.4-5 ROADWAY OBLITERATION GRAND LOOP ROAD
 - L.6-7 ELK PARK RECLAMATION SITE
- M. MATERIAL SOURCE, STAGING, AND STOCKPILE SITES**
 - M.1 FIELD OFFICE RELOCATION
 - M.2-5 ROCK SOURCE 1, 2, 3, AND 4
 - M.6 NORRIS ASPHALT
 - M.7 GIBBION MEADOW PIT
 - M.8 SWAN LAKE PIT
 - M.9-10 WATER SOURCES
 - M.11 ICE LAKE PIT
 - M.12 GREBE LAKE PIT
 - M.13 ARNICA CREEK PIT
- N. TEMPORARY TRAFFIC CONTROL**
 - N.1 TABULATION OF QUANTITIES
 - N.2 INFORMATIONAL SIGNING
 - N.3-4 PROJECT LIMIT SIGNING
 - N.5-7 WORK ZONE CONTROL
 - N.8 SIGN INSTALLATION DETAILS
 - N.9 TEMPORARY PAVEMENT MARKINGS

INDEX TO SHEETS

- P. PERMANENT TRAFFIC CONTROL**
 - P.1-3 TABULATION OF QUANTITIES
 - P.4-13 SIGNING AND STRIPING PLAN (40+00 TO 309+07.32)
 - P.14 SIGNING AND STRIPING PLAN (NORRIS OVERLOOK PARKING B)
 - P.15 SIGNING AND STRIPING PLAN (NORRIS OVERLOOK PARKING A)
 - P.16 SIGNING AND STRIPING PLAN (NORRIS CAMPGROUND ROAD)
 - P.17 SIGNING AND STRIPING PLAN (ROARING MOUNTAIN PARKING)
 - P.18 SCHEDULES C AND D
 - P.19-20 SIGNING AND STRIPING PLAN (670+40 TO 686+00)
 - P.19-20 PERMANENT PAVEMENT MARKING DETAILS
 - P.21 SIGN POST AND INSTALLATION DETAILS
 - P.22 GOVERNMENT-FURNISHED SIGN TYPES 1, 2, 3, AND 4
- Q. GRAND LOOP ROAD AT GARDNER RIVER BRIDGE (SCHEDULES C AND D)**
 - Q.1 TABULATIONS OF QUANTITIES
 - Q.2 TYPICAL SECTION - GARDNER RIVER BRIDGE DETOUR
 - Q.3 TYPICAL SECTION - GRAND LOOP ROAD (670+40 TO 686+00)
 - Q.4 TYPICAL SECTION GRAND LOOP ROAD AT GARDNER RIVER BRIDGE
 - Q.5 PLAN AND PROFILE - GARDNER RIVER BRIDGE DETOUR
 - Q.6 PLAN AND PROFILE - GRAND LOOP ROAD
 - Q.7 TABULATION OF DRAINAGE QUANTITIES
 - Q.8 GARDNER RIVER BRIDGE RIPRAP PLAN
 - Q.9 GARDNER RIVER BRIDGE RIPRAP PROFILE
 - Q.10 UTILITY CONDUIT RUN DETAILS
- S. BRIDGE CONSTRUCTION DETAILS**
 - S.1-22 GARDNER RIVER BRIDGE PLANS
 - S.23-24 GARDNER RIVER BRIDGE AS-BUILTS

SHOW ALL REVISIONS IN BLACK AND WHITE

IDENTIFY AMENDMENT TAG NEAR BOTTOM OF SHEET

 Revised by Amendment A002

NPS PMIS No. 54348 NPS Drwg. No. 101/109186

INDEX TO PLAN SHEETS

22 April 2021 12:39 PM Checked by: Designed by: C:\Users\KJ\OneDrive\Desktop\PS&E_Review\Engineering\AC0 Exhibits\Amendment Samples\Plan

Figure B

STATE	PROJECT	SHEET NUMBER
WY	PRA YELL 10(17)	F.18a

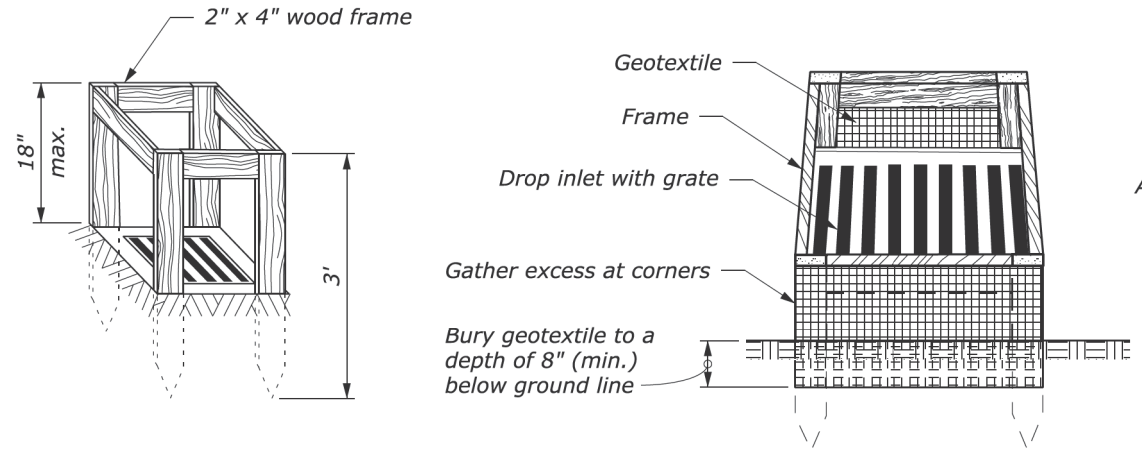
NPS PMIS No. 54348
NPS Drwg. No. 101/109186

CLOUD REVISION FOR SHEET ADDITION WITH AMENDMENT NUMBER TAG

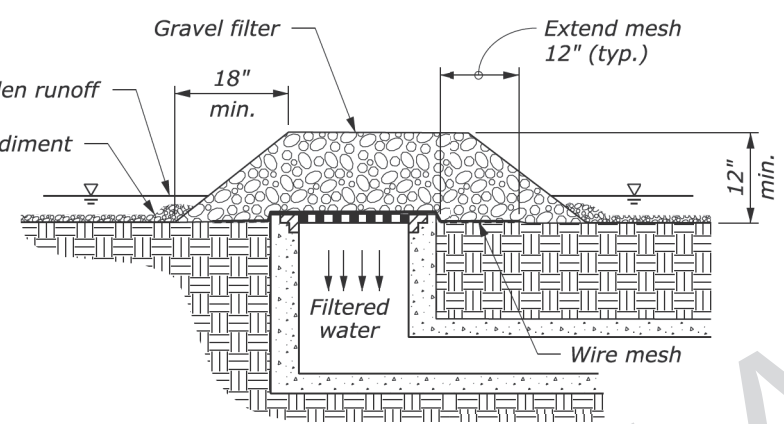
SHEET ADDED TO PLANS

NOTE:

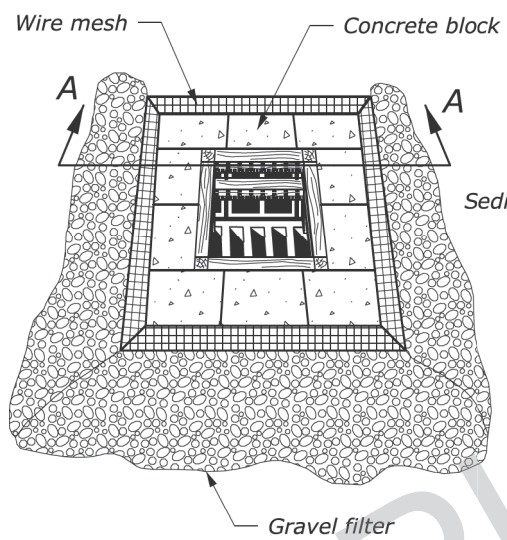
1. For gravel filters use 2"- 3" diameter coarse aggregate.
2. Use wire mesh with 1/2" x 1/2" openings.
3. Use type A inlet protection in sump locations only.
4. Use type B inlet protection only in sump locations where heavy concentrated flows are not expected. Do not use where ponding around the structure might cause inconvenience or damage.



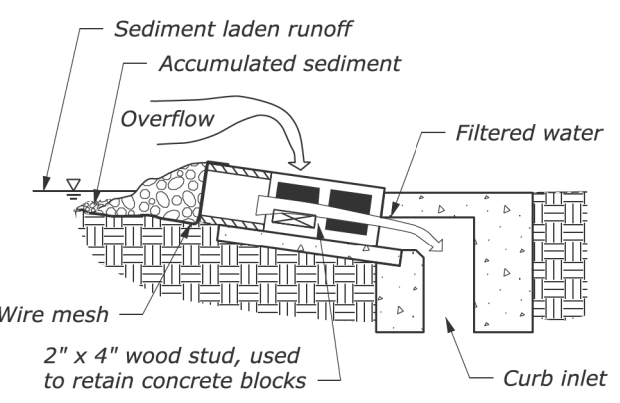
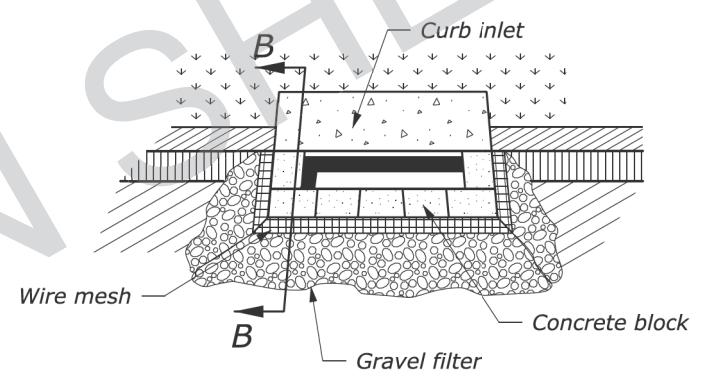
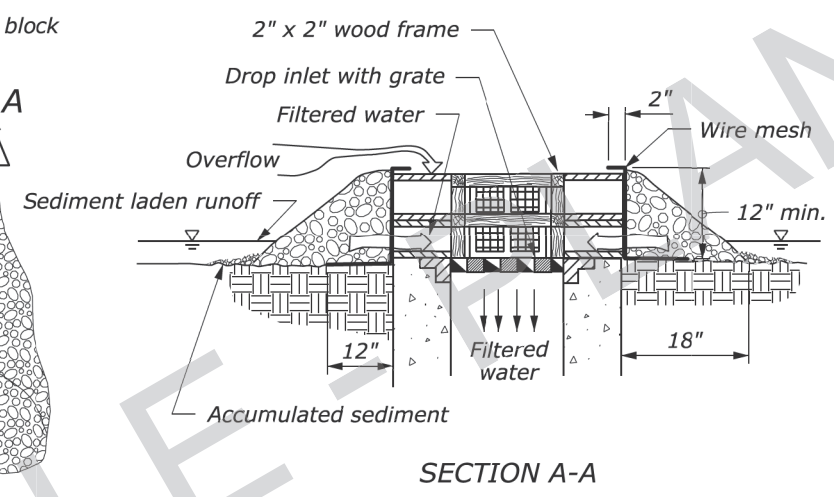
SILT FENCE DROP INLET PROTECTION (TYPE A)



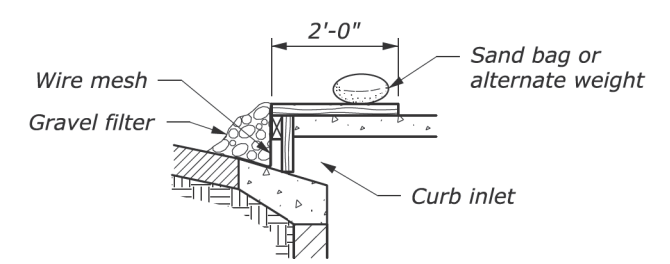
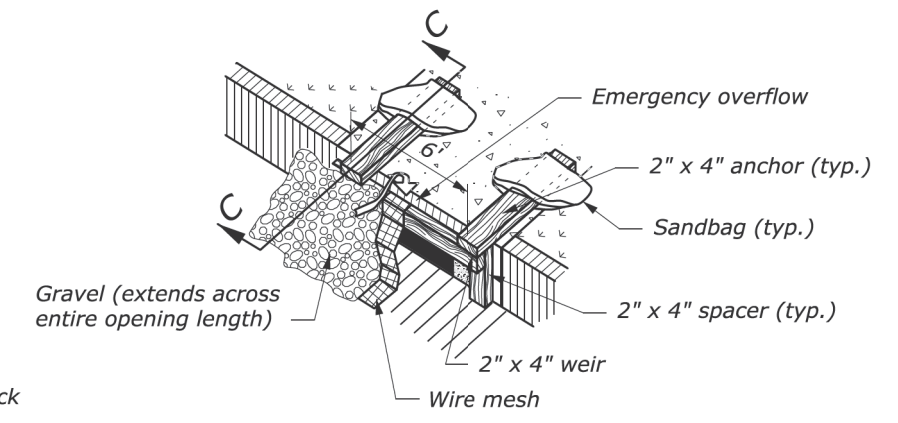
GRAVEL AND WIRE MESH DROP INLET PROTECTION (TYPE B)



BLOCK AND GRAVEL DROP INLET PROTECTION (TYPE C)



SECTION B-B
CURB INLET PROTECTION, BLOCK AND GRAVEL (TYPE D)



SECTION C-C
CURB INLET PROTECTION, WOODEN WEIR (TYPE E)

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10 August 2015 3:39 PM

SHOW ALL REVISIONS IN BLACK AND WHITE

IDENTIFY AMENDMENT TAG NEAR BOTTOM OF SHEET

Revised by Amendment A002

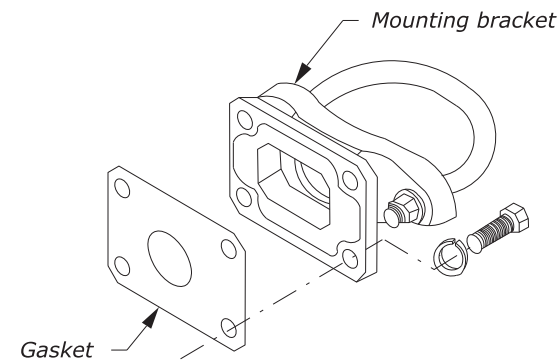
NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION FEDERAL LANDS HIGHWAY	
U.S. CUSTOMARY STANDARD	
TEMPORARY INLET PROTECTION	
STANDARD APPROVED FOR USE 6/2005	STANDARD 157-2
REVISED: DRAFT: 3/2014	

Figure C

STATE	PROJECT	SHEET NUMBER
AK	NPS DENA 10(35)	J.19

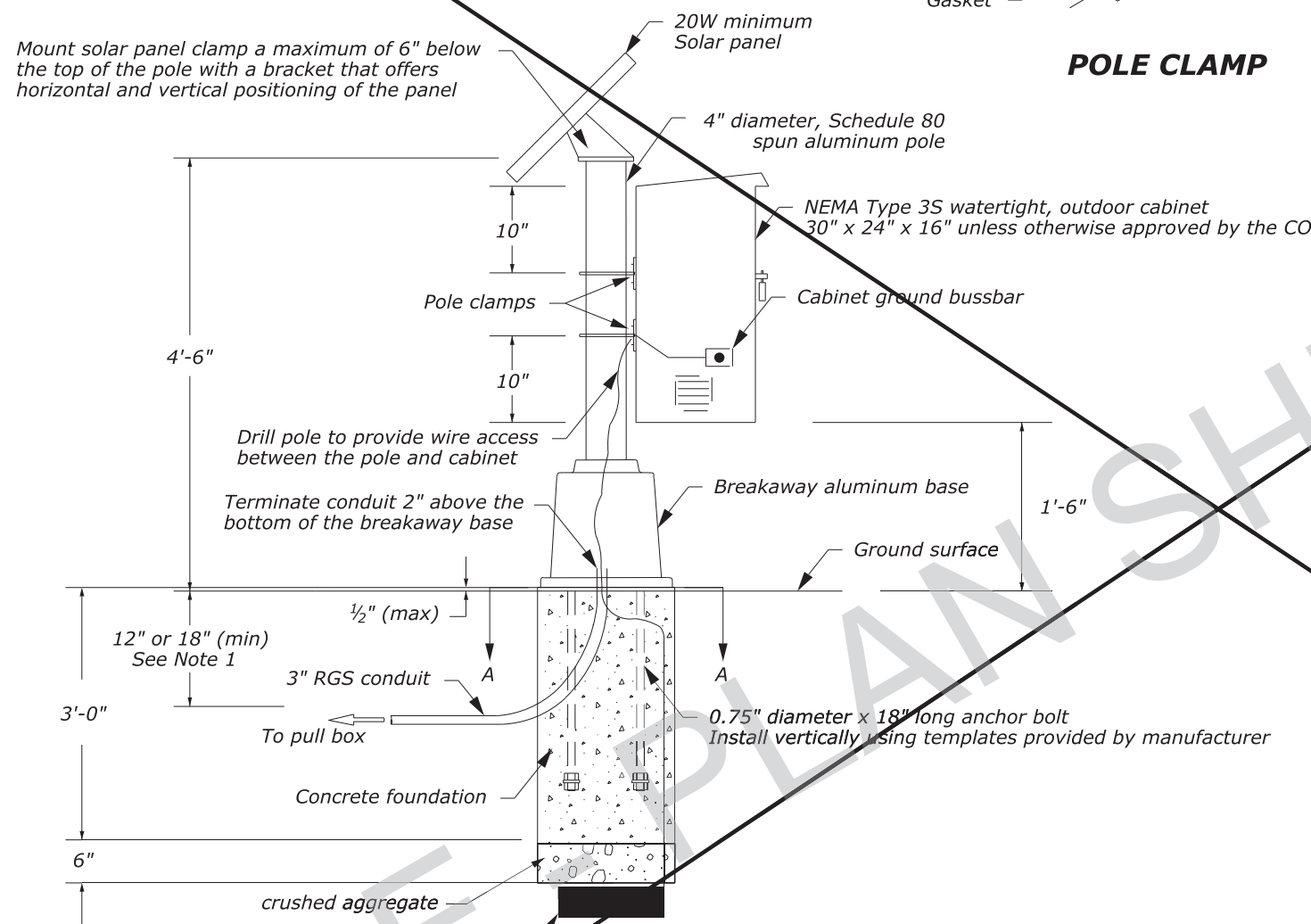
PLACE 'X' ON SHEET TO BE DELETED



POLE CLAMP

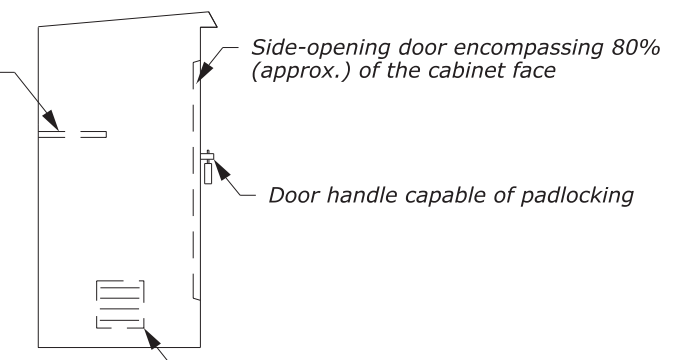
NOTES:

1. If cabinet is located more than 30 feet from the travelway edge, provide a minimum cover of 12 inches. Otherwise, provide a minimum cover of 18 inches.
2. Install 25 feet of coil of #8 AWG bare copper conductor or 14 inches square copper ground plate before pouring the concrete foundation. Connect the coil or ground to the cabinet ground bussbar and cover with 6 inches of approved backfill. Drill hole in pole and back of cabinet to provide wire access. Run ground conductor out of cabinet. Seal holes as approved by the CO.
3. Furnish high strength, corrosion resistant mounting bracket, pole clamps, and related hardware. Furnish galvanized anchor bolts, nuts, lock washers, and flat washers conforming to ASTM A153.
4. Paint pole and inside and outside of cabinet NPS Brown, Federal Standard 595B, Color No. 20089, unless otherwise approved by the CO.
5. Equip cabinet with a door stop that holds the door open at 90 degrees and 120 degrees.
6. Ensure cabinet is clean, watertight, and tilted to prevent standing water.

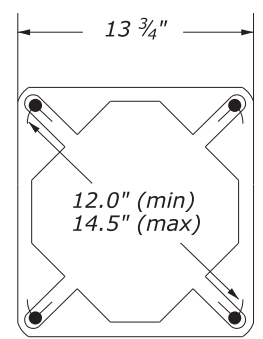


POLE-MOUNTED CABINET

Aluminum shelf, adjustable in 2" increments starting 6" from cabinet base to 6" from cabinet top that does not deform or restrict air flow or block access to other equipment.



CABINET DETAILS



BREAKAWAY ALUMINUM BASE

IDENTIFY AMENDMENT TAG NEAR BOTTOM OF SHEET

CLOUD REVISION FOR SHEET DELETION WITH AMENDMENT NUMBER TAG

SHOW ALL REVISIONS IN BLACK AND WHITE

Revised by Amendment A002

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 EASTERN FEDERAL LANDS HIGHWAY DIVISION

U.S. CUSTOMARY DETAIL

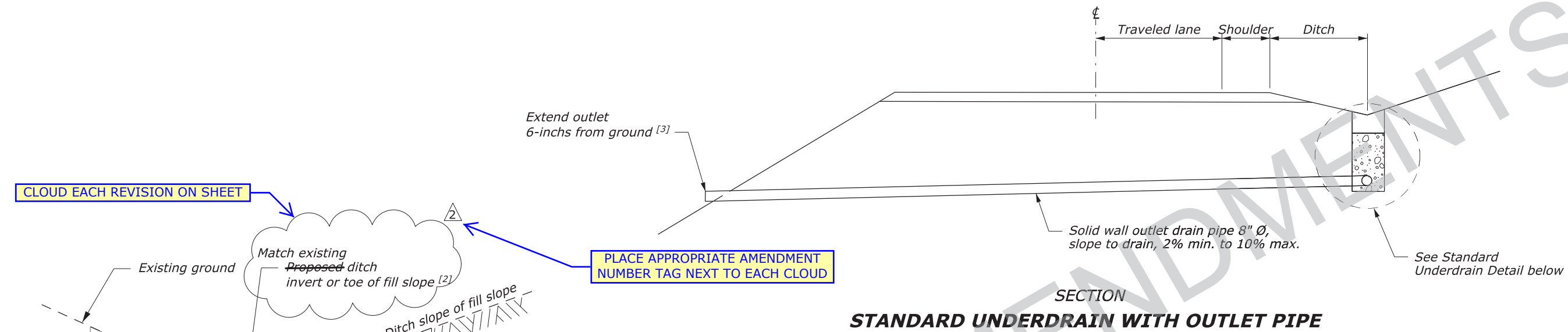
**INDUCTIVE LOOP
 CABINET AND 4'-6" POLE**

DETAIL APPROVED FOR USE
 APPROVED : MARCH 2015

DETAIL
 E636-07

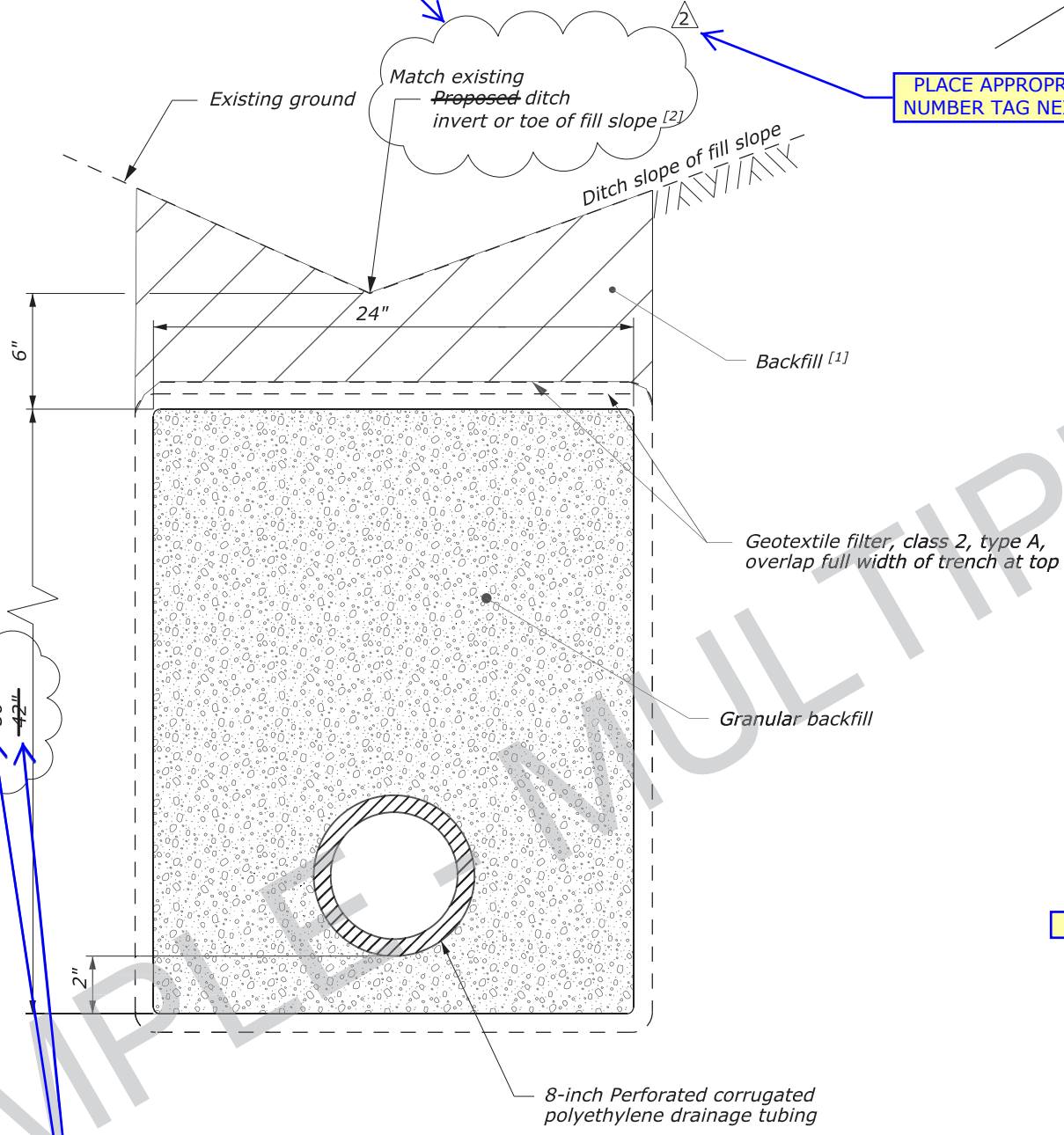
Figure D

STATE	PROJECT	SHEET NUMBER
AK	NPS DENA 10(35)	H.3



CLOUD EACH REVISION ON SHEET

PLACE APPROPRIATE AMENDMENT NUMBER TAG NEXT TO EACH CLOUD



STANDARD UNDERDRAIN DETAIL

125+00 to 131+00 RT

CLEARLY SHOW ALL REVISIONS BEING MADE WITHIN EACH CLOUD (ADDITIONS & DELETIONS)

IDENTIFY ALL AMENDMENT TAGS NEAR BOTTOM OF SHEET

- 3 Revised by Amendment A003
- 2 Revised by Amendment A002

CLEARLY SHOW WHAT WAS REVISED ON EACH AMENDMENT

SHOW ALL REVISIONS WITHOUT COLOR

NOTE:

1. 125+00 to 131+00, RT, Construct one outlet for every 200-feet of underdrain at 125+00, 127+00, and 129+00. Adjust locations as directed by the CO based on field conditions.

2. Backfill outlet pipe with conserved excavation.

3. Maximum excavation depth for standard underdrain not to exceed ~~five~~ four feet.

FOOTNOTE:

[1] Conserve material from trench excavation for backfill on top of granular backfill as shown.

[2] Clear and grub existing ditch prior to system installation.

[3] Cover the end of outlet pipe with screen according to Subsection 605.03. Hold the screen securely in place with standard coupling bands or by other approved means.

[4] Adjust depths to drain as directed by the CO.

STANDARD UNDERDRAIN SYSTEM DETAIL

NO SCALE

21 April 2021 11:38 AM
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 Designed by:
 Checked by:

Figure E

PAY ITEM AMENDMENTS REQUIRE A REVISION TO ALL B-SHEETS

SUMMARY OF QUANTITIES - Schedule A

STATE	PROJECT	SHEET NUMBER
MT	NPS YELL 11(2)	B.1

NPS PMIS / 177136D
Drawing No: 101-109186

A M E N D	Line Item No.	Pay Item Number	Pay Item Description	Unit	Sheet and Description												Estimated Quantities	Remarks and/or Determination of Estimated Quantity	
					SECTION C	SECTION D	SECTION E	Section F	Section H	Section I	Section K	Section L	Section M	Section N	Section O	Section P			-
					TYPICAL SECTIONS	PLAN & PROFILE	APPROACH ROADS AND PARKING AREAS	WATERLINE	DRAINAGE	EROSION CONTROL	TEMPORARY TRAFFIC CONTROL	PERMANENT TRAFFIC CONTROL	UTILITIES	SANITARY SEWER	STAGING AND STOCKPILE AREAS	LANDSCAPING			ALLOWANCE
	A0020	15101-0000	MOBILIZATION	LPSM														ALL	
	A0040	15201-0000	CONSTRUCTION SURVEY AND STAKING	LPSM														ALL	
	A0060	15301-0010	CONTRACTOR QUALITY CONTROL AND ASSURANCE	LPSM														ALL	
	A0080	15401-0000	CONTRACTOR TESTING	LPSM														ALL	
	A0100	15501-0000	CONSTRUCTION SCHEDULE	LPSM														ALL	
	A0120	15705-1400	SOIL EROSION CONTROL, FIBER ROLL	LNFT							4,234						216	4,450	
	A0140	15706-1000	SOIL EROSION CONTROL, INLET PROTECTION	EACH							14							14	
	A0160	15706-1600	SOIL EROSION CONTROL, STABILIZED CONSTRUCTION EXIT	EACH							1							1	Reese Creek Pit
	A0180	15802-0000	WATERING FOR DUST CONTROL	LPSM														ALL	
	A0200	20101-0000	CLEARING AND GRUBBING	ACRE	5.3					0.1						0.4	0.2	6.0	Contract Quantity CQ
	A0220	20301-0100	REMOVAL OF BOLLARD	EACH		6	1											7	
	A0240	20301-0200	REMOVAL OF BOULDER	EACH		24											6	30	
	A0260	20301-0900	REMOVAL OF FIRE HYDRANT	EACH				6										6	
	A0280	20301-1500	REMOVAL OF LIGHT POLE	EACH		3												3	
	A0300	20301-1900	REMOVAL OF PIPE CULVERT	EACH					3									3	
	A0320	20301-2400	REMOVAL OF SIGN	EACH									31					31	
	A0340	20301-2700	REMOVAL OF STRUCTURE (Building)	EACH		1												1	
	A0360	20301-3200	REMOVAL OF VALVE (Water)	EACH				12										12	
	A0380	20302-0500	REMOVAL OF CURB, CONCRETE	LNFT			4											4	
	A0400	20302-0625	REMOVAL OF CURB, LOG	LNFT			325										25	350	
	A0420	20302-0700	REMOVAL OF FENCE	LNFT		63											17	80	
	A0440	20302-1400	REMOVAL OF GUARDRAIL, TIMBER	LNFT			221										29	250	
	A0460	20302-2600	REMOVAL OF PAVEMENT MARKINGS	LNFT							520						30	550	
	A0480	20303-0300	REMOVAL OF CONCRETE	SQYD		120	41										9	170	
	A0500	20303-3200	REMOVAL OF SIDEWALK, CONCRETE	SQYD		35	9										6	50	
	A0520	20401-0000	ROADWAY EXCAVATION	CUYD	20,074				56						18		1,852	22,000	Contract Quantity CQ
	A0540	20411-0000	SELECT BORROW	TON	21,139									813		2,048	24,000		
	A0560	21101-1000	ROADWAY OBLITERATION, METHOD 1	SQYD		1,269											91	1,360	
	A0580	25125-0000	BOULDER (Placement)	EACH											23	2	25		
	A0600	30101-2000	AGGREGATE BASE GRADING D	TON	4,994				130								216	5,340	

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A002 Revised by Amendment A002
Report Date: 05/06/20

EDIT EEBACS FOOTER ON ALL SHEETS AS SHOWN WITH THE AMENDMENT NUMBER THAT REVISES THE B-SHEETS

PROVIDE ALL AMENDED SHEETS WITH BLACK AND WHITE REVISIONS.

SUMMARY OF QUANTITIES - Schedule A

STATE	PROJECT	SHEET NUMBER
MT	NPS YELL 11(2)	B.2

NPS PMIS / 177136D
Drawing No: 101-109186

A M E N D	Line Item No.	Pay Item Number	Pay Item Description	Unit	Sheet and Description													Estimated Quantities	Remarks and/or Determination of Estimated Quantity	
					SECTION C	SECTION D	SECTION E	Section F	Section H	Section I	Section K	Section L	Section M	Section N	Section O	Section P	-			
					TYPICAL SECTIONS	PLAN & PROFILE	APPROACH ROADS AND PARKING AREAS	WATERLINE	DRAINAGE	EROSION CONTROL	TEMPORARY TRAFFIC CONTROL	PERMANENT TRAFFIC CONTROL	UTILITIES	SANITARY SEWER	STAGING AND STOCKPILE AREAS	LANDSCAPING	ALLOWANCE			
	A0620	30203-2140	ROADWAY AGGREGATE, METHOD 2, SURFACE COURSE, 6-INCH DEPTH, FOR ACCESSIBLE PATHWAYS	SQYD													18	18		
	A0640	30303-3000	ROADWAY RECONDITIONING	SQYD													2,349	151	2,500	
	A0660	30901-2000	EMULSIFIED ASPHALT TREATED AGGREGATE BASE, GRADING D	TON	5,255													245	5,500	
	A0680	30910-0000	EMULSIFIED ASPHALT	TON	105													3	108	
	A0700	40101-5600	ASPHALT CONCRETE PAVEMENT, GYRATORY MIX, 1/2-INCH OR 3/4-INCH NOMINAL MAXIMUM SIZE AGGREGATE, 0.3 TO <3 MILLION ESAL	TON	4,782				97									121	5,000	
	A0720	40105-3000	ANTISTRIP ADDITIVE, TYPE 3	TON	48													2	50	
	A0740	41201-0000	TACK COAT	TON	20						1							2	23	
	A0760	50101-2800	MINOR CONCRETE PAVEMENT, PLAIN, 8-INCH DEPTH	SQYD	4,819													141	4,960	
	A0780	60101-0000	CONCRETE (Stairs)	CUYD			1												1	
	A0800	60201-0400	12-INCH PIPE CULVERT	LNFT					63									7	70	
	A0820	60201-0600	18-INCH PIPE CULVERT	LNFT					1,096									64	1,160	
	A0840	60201-0800	24-INCH PIPE CULVERT	LNFT					564									26	590	
	A0860	60401-0000	MANHOLE	EACH					3										3	
	A0880	60403-0000	INLET	EACH					4										4	
	A0900	60403-0000	INLET (Type 2)	EACH					10										10	
	A0920	60405-0000	MANHOLE ADJUSTMENT (Sanitary Sewer)	EACH									3						3	
	A0940	60901-1000	CURB, CONCRETE, 12-INCH DEPTH	LNFT		117	168											25	310	
	A0960	60902-1000	CURB AND GUTTER, CONCRETE, 12-INCH DEPTH	LNFT		1,799	2,703											148	4,650	
	A0980	60905-1000	GUTTER, CONCRETE (Valley)	LNFT			115											5	120	
	A1000	61102-2750	4-INCH WATERLINE, DUCTILE IRON	LNFT				177											177	
	A1020	61102-3000	6-INCH WATERLINE, DUCTILE IRON	LNFT				178											178	
	A1040	61102-3250	8-INCH WATERLINE, DUCTILE IRON	LNFT				1,627											1,627	
	A1060	61102-3500	10-INCH WATERLINE, DUCTILE IRON	LNFT				55											55	
	A1080	61102-3750	12-INCH WATERLINE, DUCTILE IRON	LNFT				612											612	
	A1100	61104-0700	VALVE, GATE, 4-INCH	EACH				3											3	
	A1120	61104-0800	VALVE, GATE, 6-INCH	EACH				7											7	
	A1140	61104-0900	VALVE, GATE, 8-INCH	EACH				10											10	
	A1160	61104-0950	VALVE, GATE, 10-INCH	EACH				1											1	

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SUMMARY OF QUANTITIES - Schedule A

STATE	PROJECT	SHEET NUMBER
MT	NPS YELL 11(2)	B.3

NPS PMIS / 177136D
Drawing No: 101-109186

A M E N D	Line Item No.	Pay Item Number	Pay Item Description	Unit	Sheet and Description													Estimated Quantities	Remarks and/or Determination of Estimated Quantity
					SECTION C	SECTION D	SECTION E	Section F	Section H	Section I	Section K	Section L	Section M	Section N	Section O	Section P	-		
					TYPICAL SECTIONS	PLAN & PROFILE	APPROACH ROADS AND PARKING AREAS	WATERLINE	DRAINAGE	EROSION CONTROL	TEMPORARY TRAFFIC CONTROL	PERMANENT TRAFFIC CONTROL	UTILITIES	SANITARY SEWER	STAGING AND STOCKPILE AREAS	LANDSCAPING	ALLOWANCE	Bid Schedule	
	A1180	61104-1000	VALVE, GATE, 12-INCH	EACH				2										2	
	A1200	61106-0000	FIRE HYDRANT	EACH				6										6	
	A1220	61114-0500	WATER SYSTEM ACCESSORY, BRANCH, 12"x 6" Wye	EACH				1										1	
	A1240	61114-0500	WATER SYSTEM ACCESSORY, BRANCH, 12"x 4" Tee	EACH				1										1	
	A1260	61114-0500	WATER SYSTEM ACCESSORY, BRANCH, 12"x 6" Tee	EACH				1										1	
	A1280	61114-0500	WATER SYSTEM ACCESSORY, BRANCH, 12"x 8" Tee	EACH				1										1	
	A1300	61114-0500	WATER SYSTEM ACCESSORY, BRANCH, 8"x 8" Tee	EACH				2										2	
	A1320	61114-0500	WATER SYSTEM ACCESSORY, BRANCH, 8"x 6" Tee	EACH				5										5	
	A1340	61114-0500	WATER SYSTEM ACCESSORY, BRANCH, 8"x 4" Tee	EACH				1										1	
	A1360	61114-1000	WATER SYSTEM ACCESSORY, BEND 12-Inch, 22.5-Degree	EACH				1										1	
	A1380	61114-1000	WATER SYSTEM ACCESSORY, BEND 12-Inch, 11.25-Degree	EACH				1										1	
	A1400	61114-1000	WATER SYSTEM ACCESSORY, BEND, 12-Inch, 45-Degree	EACH				1										1	
	A1420	61114-1000	WATER SYSTEM ACCESSORY, BEND, 8-Inch, 11.25-Degree	EACH				4										4	
	A1440	61114-1000	WATER SYSTEM ACCESSORY, BEND, 8-Inch, 22.5-Degree	EACH				1										1	
	A1460	61114-1000	WATER SYSTEM ACCESSORY, BEND, 8-Inch, 45-Degree	EACH				4										4	
	A1480	61114-1000	WATER SYSTEM ACCESSORY, BEND, 6-Inch, 45-Degree	EACH				1										1	
	A1500	61114-1000	WATER SYSTEM ACCESSORY, BEND, 4-Inch, 45-Degree	EACH				2										2	
	A1520	61114-1000	WATER SYSTEM ACCESSORY, BEND, 4-Inch, 22.5-Degree	EACH				1										1	
	A1540	61114-1000	WATER SYSTEM ACCESSORY, BEND, 10-Inch, 45-Degree	EACH				2										2	
	A1560	61114-1500	WATER SYSTEM ACCESSORY, TIE-IN	EACH				7										7	
	A1580	61114-5000	WATER SYSTEM ACCESSORY, CURB STOP, 1-INCH, Saddle, Pump Out Drain	EACH				1										1	

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SUMMARY OF QUANTITIES - Schedule A

STATE	PROJECT	SHEET NUMBER
MT	NPS YELL 11(2)	B.4

NPS PMIS / 177136D
Drawing No: 101-109186

A M E N D	Line Item No.	Pay Item Number	Pay Item Description	Unit	Sheet and Description													Estimated Quantities	Remarks and/or Determination of Estimated Quantity
					SECTION C	SECTION D	SECTION E	Section F	Section H	Section I	Section K	Section L	Section M	Section N	Section O	Section P	-		
					TYPICAL SECTIONS	PLAN & PROFILE	APPROACH ROADS AND PARKING AREAS	WATERLINE	DRAINAGE	EROSION CONTROL	TEMPORARY TRAFFIC CONTROL	PERMANENT TRAFFIC CONTROL	UTILITIES	SANITARY SEWER	STAGING AND STOCKPILE AREAS	LANDSCAPING	ALLOWANCE	Bid Schedule	
	A1600	61114-7000	WATER SYSTEM ACCESSORY, COUPLING, 10-Inch	EACH				1										1	
	A1620	61114-7000	WATER SYSTEM ACCESSORY, COUPLING, 8-Inch	EACH				4										4	
	A1640	61114-7000	WATER SYSTEM ACCESSORY, COUPLING, 6-Inch	EACH				1										1	
	A1660	61114-8000	WATER SYSTEM ACCESSORY, REDUCER, 10"x 8"	EACH				1										1	
	A1680	61201-0000	SEWER SYSTEM	LPSM										All				ALL	
	A1700	61501-0100	SIDEWALK, CONCRETE (6-Inch Depth)	SQYD			21										4	25	
	A1720	61501-0100	SIDEWALK, CONCRETE (4-Inch Depth)	SQYD		167	735										8	910	
	A1740	61501-0100	SIDEWALK, CONCRETE (Driveway Approach With Asphalt Tie)	SQYD		18											2	20	
	A1760	61504-1000	ACCESSIBILITY RAMP, CONCRETE (6-Inch Thick, Includes Truncated Domes)	SQYD			26										4	30	DRIVE05B
	A1780	61504-1000	ACCESSIBILITY RAMP, CONCRETE (Includes Truncated Domes)	SQYD		33	180										17	230	
	A1800	61902-1400	GATE, METAL, 16 FEET WIDTH	EACH			1											1	
	A1820	61904-0000	BOLLARD POST	EACH												3		3	
	A1840	61920-1000	REMOVE AND RESET BOLLARD POST	EACH		3	3											6	
	A1860	62011-0300	STONE MASONRY HEADWALL FOR 18-INCH PIPE CULVERT	EACH					11									11	
	A1880	62011-0500	STONE MASONRY HEADWALL FOR 24-INCH PIPE CULVERT	EACH					3									3	
	A1900	62201-0250	DUMP TRUCK, 10 CUBIC YARD MINIMUM CAPACITY	HOUR													200	200	
	A1920	62201-1000	WHEEL LOADER, 4 CUBIC YARD MINIMUM RATED CAPACITY	HOUR													100	100	
	A1940	62201-2360	VACUUM SWEEPER	HOUR													200	200	
	A1960	62201-3000	HYDRAULIC EXCAVATOR (138 HP Minimum With 3740 LB Minimum Hammer Attachment)	HOUR													70	70	
	A1980	62201-3000	HYDRAULIC EXCAVATOR (Mini, 35 HP Min, 5' Min Blade Width)	HOUR													120	120	
	A2000	62201-3400	HYDRAULIC EXCAVATOR, 1 CUBIC YARD MINIMUM CAPACITY WITH THUMB ATTACHMENT	HOUR													70	70	

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Figure E

SUMMARY OF QUANTITIES - Schedule A

STATE	PROJECT	SHEET NUMBER
MT	NPS YELL 11(2)	B.5

NPS PMIS / 177136D
Drawing No: 101-109186

A M E N D	Line Item No.	Pay Item Number	Pay Item Description	Unit	Sheet and Description													Estimated Quantities	Remarks and/or Determination of Estimated Quantity	
					SECTION C	SECTION D	SECTION E	Section F	Section H	Section I	Section K	Section L	Section M	Section N	Section O	Section P	-			
					TYPICAL SECTIONS	PLAN & PROFILE	APPROACH ROADS AND PARKING AREAS	WATERLINE	DRAINAGE	EROSION CONTROL	TEMPORARY TRAFFIC CONTROL	PERMANENT TRAFFIC CONTROL	UTILITIES	SANITARY SEWER	STAGING AND STOCKPILE AREAS	LANDSCAPING	ALLOWANCE	Bid Schedule		
	A2020	62301-0000	GENERAL LABOR	HOUR														500	500	
	A2040	62302-0000	SPECIAL LABOR (Stone Mason)	HOUR														200	200	
	A2060	62302-0000	SPECIAL LABOR, Carpenter	HOUR														150	150	
	A2080	62405-0300	PLACING CONSERVED TOPSOIL, 4-INCH DEPTH	SQYD	15,335				889							1,065	311	17,600		
	A2100	62516-1000	MULCHING, DRY METHOD (1-Inch Depth)	SQYD	15,335				889							1,065	311	17,600		
	A2120	62630-0300	PLANTINGS, SEEDLINGS, CONTAINER GROWN (Sage Brush, Artemisia Tridinate, #2 Pot)	EACH												75		75		
	A2140	62630-0350	PLANTINGS, TREES, BALLED AND BURLAPPED (Rocky Mountain Juniper, Native Juniperus Scopulorum, 4-5" Height)	EACH												25		25		
	A2160	62903-0000	CELLULAR CONFINEMENT SYSTEM (Geocell)	SQYD			158										12	170		
	A2180	63301-1000	SIGN SYSTEM, GOVERNMENT FURNISHED SIGN (Type 4)	EACH								5						5		
	A2200	63301-1000	SIGN SYSTEM, GOVERNMENT FURNISHED SIGN (Type 1)	EACH								5						5		
	A2220	63301-1000	SIGN SYSTEM, GOVERNMENT FURNISHED SIGN (Type 2)	EACH								4						4		
	A2240	63302-0000	SIGN SYSTEM	SQFT								116					24	140		
	A2260	63318-1000	SNOW POLE HOLDER	EACH								206					4	210		
	A2280	63401-0700	PAVEMENT MARKINGS, TYPE D, SOLID (White)	LNFT								6,846					114	6,960		
	A2300	63401-0700	PAVEMENT MARKINGS, TYPE D, SOLID (Yellow)	LNFT								6,448					52	6,500		
	A2320	63401-0700	PAVEMENT MARKINGS, TYPE D, SOLID (White, Parking Stalls, ADA, And Median Striping)	LNFT								6,087					120	6,207		
	A2340	63401-0800	PAVEMENT MARKINGS, TYPE D, BROKEN (Yellow)	LNFT								60					30	90		
	A2360	63401-0800	PAVEMENT MARKINGS, TYPE D, BROKEN (White)	LNFT								567					66	633		
	A2380	63401-0850	PAVEMENT MARKINGS, TYPE D, DOTTED (White)	LNFT								449					101	550		
	A2400	63403-0400	PAVEMENT MARKINGS, TYPE D, SOLID (White, Crosswalks and Stop Lines)	SQFT								363					10	373		

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Figure E

SUMMARY OF QUANTITIES - Schedule A

STATE	PROJECT	SHEET NUMBER
MT	NPS YELL 11(2)	B.6

NPS PMIS / 177136D
Drawing No: 101-109186

A M E N D	Line Item No.	Pay Item Number	Pay Item Description	Unit	Sheet and Description													Estimated Quantities	Remarks and/or Determination of Estimated Quantity	
					SECTION C	SECTION D	SECTION E	Section F	Section H	Section I	Section K	Section L	Section M	Section N	Section O	Section P	-			
					TYPICAL SECTIONS	PLAN & PROFILE	APPROACH ROADS AND PARKING AREAS	WATERLINE	DRAINAGE	EROSION CONTROL	TEMPORARY TRAFFIC CONTROL	PERMANENT TRAFFIC CONTROL	UTILITIES	SANITARY SEWER	STAGING AND STOCKPILE AREAS	LANDSCAPI NG	ALLOWANC E			
	A2420	63405-1650	PAVEMENT MARKINGS, TYPE D, ACCESSIBILITY SYMBOL (White)	EACH								3							3	
	A2440	63501-0000	TEMPORARY TRAFFIC CONTROL (Pedestrian Access Plan and Implementation)	LPSM							All								ALL	
	A2460	63501-0000	TEMPORARY TRAFFIC CONTROL (Portable Changeable Message Sign)	LPSM							All								ALL	
	A2480	63501-0000	TEMPORARY TRAFFIC CONTROL, Temporary Bypass Road	LPSM							All								ALL	
	A2500	63502-0600	TEMPORARY TRAFFIC CONTROL, BARRICADE TYPE 3	EACH							4								4	
	A2520	63502-1250	TEMPORARY TRAFFIC CONTROL, TUBULAR MARKER, TYPE 42-INCH	EACH							200								200	
	A2540	63502-1300	TEMPORARY TRAFFIC CONTROL, DRUM	EACH							100								100	
	A2560	63503-1000	TEMPORARY TRAFFIC CONTROL, PLASTIC FENCE	LNFT		1,183											497		1,680	
	A2580	63504-1000	TEMPORARY TRAFFIC CONTROL, CONSTRUCTION SIGN	SQFT							1,029								1,029	
	A2600	63506-0500	TEMPORARY TRAFFIC CONTROL, FLAGGER	HOUR							5,300								5,300	
	A2620	63507-0700	TEMPORARY TRAFFIC CONTROL, TRAFFIC CONTROL SUPERVISOR	DAY							400								400	
	A2640	63601-6000	SYSTEM INSTALLATION, TRAFFIC DETECTOR SYSTEM	LPSM								All							ALL	
	A2660	63602-6020	SYSTEM INSTALLATION, TRAFFIC DETECTOR WIRE LOOP	EACH								4							4	
	A2680	63610-1600	CONDUIT, 2-INCH, PVC	LNFT									2,446				104		2,550	
	A2700	63610-2200	CONDUIT, 3-INCH, PVC	LNFT									250				30		280	
	A2720	63610-2800	CONDUIT, 4-INCH, PVC	LNFT									2,418				132		2,550	
A002	A2740	63621-3000	UTILITY BOX, JUNCTION BOX	EACH										1					1	
	A2760	63641-0100	RELOCATE LUMINAIRE	EACH			2												2	
	A2780	64604-3000	FIXTURE, PEDESTRIAN RAILING	LNFT		965											35		1,000	
	A2800	64620-1000	REMOVE AND RESET HISTORIC MARKER	EACH		1													1	
	A2820	67001-0000	PROJECT LUMP SUM	LPSM															ALL	Entrance Station

AMENDMENT NUMBER TAG ADDED BY EEBACS (NOTE: ADJUST COLUMN WIDTHS SO ALL INFORMATION IS NOT CROPPED)

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