

# FAX TRANSMITTAL

<b>ADDENDUM TO THE CONTRACT DOCUMENTS</b>	<b>Page Number</b> <b>1</b>	<b>No. of Pages</b> <b>11</b>
<b>Addendum No. One (1)</b>	<b>Date Addendum Issued: May 12, 2017</b>	
<b>Issuing Office</b> Alaska State Parks, Design & Construction Section 550 West 7 <sup>th</sup> Ave., Suite 1380, Anchorage, Alaska 99501 Phone: 269-8731 Fax: 269-8917	<b>Previous Addenda Issued</b>  <b>None</b>	
<b>Vitro Pit Reclamation</b> <b>Project No.: 52956-1</b>	<b>Date and Hour of Quotes Due</b> <b>May 18, 2017 2:00 pm prevailing time</b>	

## NOTICE TO BIDDERS

**Bidder must acknowledge receipt of this addendum prior to the hour and date set for the quotes being due by one of the following methods:**

- (a) By acknowledging receipt of this addendum on the quote submitted.
- (b) By telegram or telefacsimile which includes a reference to the project and addendum number.

The bid documents require acknowledgment individually of all addenda to the drawings and/or specifications. This is a mandatory requirement and any quote received without acknowledgment of receipt of addenda may be classified as not being a responsive bid. If, by virtue of this addendum it is desired to modify a quote already submitted, such modification may be made by telegram or telefacsimile provided such a telegram or telefacsimile makes reference to this addendum and is received prior to the opening hour and date specified above.

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### **The Contract Documents Are Modified As Follows:**

**Delete** the Bid Schedule and **Replace with** Addendum No. 1 - Attachment A.

### **The Specifications Are Modified As Follows:**

**Delete** page 25 and **Replace with** Addendum No. 1 - Attachment B.

**Delete** page 26 and **Replace with** Addendum No. 1 - Attachment C.

**Delete** page 27 and **Replace with** Addendum No. 1 - Attachment D.

**Delete** page 31 and **Replace with** Addendum No. 1 – Attachment E.

**The Plans Are Modified As Follows:**

**Delete** Sheet 4 – Estimate of Quantities and Legend and **Replace with** Addendum No. 1 - Attachment F.

**Delete** Sheet 12 – Underdrain Details and **Replace with** Addendum No. 1 - Attachment G.

**Delete** Sheet 13 – Underdrain Details and **Replace with** Addendum No. 1 - Attachment H.

Bidders are required to acknowledge this addendum on the proposal form  
or by FAX prior to the quotes being due.

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Addendum Number **One** received.

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Name/Title

Date

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Firm

**END OF ADDENDUM**

## BID SCHEDULE

STATE OF ALASKA -- DEPARTMENT OF NATURAL RESOURCES-- DIVISION OF PARKS AND OUTDOOR RECREATION

Project Name: **Vitro Pit Reclamation**

Project Number: **52956-1**

Before preparing this bid schedule, read carefully, Section 102 of the 2004 edition of the Standard Specifications for Highway Construction, and the following:

The Bidder shall insert, as called for, a unit price or lump sum price in figures opposite each pay item for which an estimated quantity appears in the bid schedule. A unit price or lump sum price is not to be entered or tendered for any pay item not appearing in the bid schedule. The estimated quantity of work for payment on a lump sum basis will be "All Required" (All Req'd) and as further specified in the contract.

Whenever a Contingent Sum is shown for any item in this schedule, such amount shall govern and be included in the bid total.

Conditioned or qualified bids will be considered non-responsive.

Contract award will be made on the basis of the total basic bid.

The bidder shall insert a unit bid price for each pay item listed below. Type or print legibly.

PAY ITEM NUMBER	PAY ITEM DESCRIPTION	PAY UNIT	QUANTITY	UNIT BID PRICE	AMOUNT BID
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\*\*\*\*\* BASIC BID \*\*\*\*\*

201(3A)	Clearing and Grubbing	ACRE	12.0	\$ _____	\$ _____
203(3)	Unclassified Excavation	C.Y.	686,500	\$ _____	\$ _____
605(10)	Underdrain -- 6 Inch N12 Perforated HDPE Pipe	L.F.	610	\$ _____	\$ _____
605(11)	Underdrain — 8 Inch SDR-9 Specially Perforated HDPE Pipe	L.F.	1,210	\$ _____	\$ _____
605 (12)	Underdrain-Porous Backfill	L.F.	1,770	\$ _____	\$ _____
610(2)	Ditch Lining	TON	<del>1645</del> 1,800	\$ _____	\$ _____
618(1)	Seeding	ACRE	<del>29.5</del> 31	\$ _____	\$ _____

BID SCHEDULE

Project Number 20046-1

Vitro Pit Reclamation

Name of Bidding Firm \_\_\_\_\_

619(1)	Mulching—FGM	S.Y.	<del>142,200</del> 150,000	\$ _____	\$ _____
620(1)	Topsoil	S.Y.	<del>142,200</del> 150,000	\$ _____	\$ _____
640(1)	Mobilization and Demobilization	L.S.	ALL REQ'D		\$ _____
641(1)	Erosion, Sediment, and Pollution Control Administration	L.S.	ALL REQ'D		\$ _____
641(2)	Temporary Erosion, Sediment and Pollution Control	C.S.	ALL REQ'D	\$ 550,000.00 _____	\$ 550,000.00 _____
641(6)	SWPPP Price Adjustment	C.S.	ALL REQ'D	\$ 0.00 _____	\$ 0.00 _____
642(1)	Construction Surveying	L.S.	ALL REQ'D		\$ _____
646(1)	CPM Scheduling	L.S.	ALL REQ'D		\$ _____
647(2)	Wide Pad Dozer, 65 HP Minimum	HOUR	10		\$ _____
647(6)	Hydraulic Excavator, 1 CY, 100 HP Minimum	HOUR	10		\$ _____
647(7)	Motor Grader, 220 HP Minimum	HOUR	50		\$ _____

<b><u>TOTAL</u></b>	<b><u>ALL ITEMS</u></b>				\$ _____
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## SECTION 203

### EXCAVATION AND EMBANKMENT

**203-1.01 DESCRIPTION.** Add the following: This item includes work required to excavate ~~unclassified excavation material~~ to produce ~~the necessary~~ quantities ~~of porous backfill material~~ for the underdrain ramps.

(02/28/2017) AML Special Provisions

Add the following: Ditch linear grading shall consist of the final shaping of designated ditches and slopes for drainage by grading with a small dozer, motor grader, or other suitable means approved by the Engineer.

(02/26/03)R20-Special Provision

**203-2.02 MATERIALS FOR UNDERDRAINS.** Porous backfill for underdrains shall conform to Section 703-2.10, Porous Backfill Material.

**203-3.01 GENERAL.** Add the following to the fifth paragraph: Coal seams exposed at finish grade in rock formations shall be overcut and buried a minimum depth of 15 feet below finish grade, to ensure against potential combustion. Coal removed by excavation may be incorporated into embankment at depths no shallower than 15 feet. Surface stockpiling or disposal within or outside the project is not allowed.

Add the following after the 6<sup>th</sup> paragraph:

Disposal of unclassified excavation will be allowed within the following criteria:

1. To minimize quantity, material which meets the topsoil specification will be used to the extent possible to provide topsoil for the project where shown on the plans.

Replace the first sentence of the tenth paragraph with the following: Borrow material shall not be used. Placing and compacting selected material acquired from usable excavation is included in the scope of work of the excavation item.

(09/02/96)PARKS-Special Provision

Add the following: Meet with the Engineer 14 days in advance of construction and present a specific, graphic and detailed phasing plan for the entire project. Explain this plan in detail and demonstrate how it will ensure stability of the areas during construction, and revise based on discussions at that meeting. No work will commence until the engineer has accepted this plan. Revise this plan to meet unexpected conditions. Provide weekly updates, progress, and changes in this plan. Work the plan in conjunction with the SWPPP and the schedule. This phasing plan will address sequence of cuts and fills, interim management of water, disposal of waste, management of precipitation events, interim BMPs and controls, installation of all structures and fills, management of traffic, management of truck traffic, and other factors affecting the stability of the work in progress. The plan will be graphic and show “snapshots” of each phase of the major

work. Lack of sufficient detail in the initial or updated Plans will be cause for rejection of the plan, and will delay the work.

Under no circumstance will work under unclassified excavation be allowed to begin without an original ground survey that has been reviewed and approved by the Project Engineer.

### **203-3.03 EMBANKMENT CONSTRUCTION.**

Add the following to the first paragraph: All materials used for embankment construction must meet minimum compaction requirements, per 203-3.06. (6/05/14)AML-Special Provision

Delete the first sentence of the second paragraph.

Eliminate paragraph four in its entirety.

Replace the first sentence of the tenth paragraph with the following: Place embankment materials in horizontal layers not to exceed 12-inches uncompacted. Compact to specification before the next layer is placed.  
(6/05/14)AML-Special Provision

Replace the second sentence of paragraph twelve with the following: Rocks [and clumps of sandstone] too large to be embanked, as specified in paragraph eleven, shall be reduced to a suitable size for incorporation into the embankment. Unclassified excavation materials shall not be wasted.

Eliminate paragraph thirteen in its entirety.

Eliminate subsection 203-3.05 and substitute the following:

**203-3.06 COMPACTION.** Construct unclassified embankments with moisture and density control from specified material placed and compacted to 85% compaction.

Compact excavated and regraded surfaces, ~~porous backfill~~ **underdrain ramps**, and embankment lifts by use of vibratory compactor rollers or equivalent routed uniformly over the entire surface of each layer, before the next layer is placed. Compact until embankment does not rut under loaded hauling equipment. Do not cover any lift with additional material until the required compaction has been completed.

The project engineer reserves the right to call out compaction measurements per section 203-3.06 as needed.  
(06/05/14)AML-Special Provision

Add the following:

If the Engineer rejects compaction of a lift, the Contractor may recompact the lift to substantial compaction as determined by the Engineer or have compaction testing

performed by a WAQTC certified, Engineer-approved laboratory. If tests show the compaction is not adequate, the Contractor will pay the total cost of the testing and recompact the lift as required. If the compaction is adequate, the Department will pay the Contractor for the total invoice cost of the compaction testing by Change Order and the Contractor may proceed with the next lift. Work stoppage for compaction testing will not be grounds for extra compensation or claims by the Contractor. All testing is the responsibility of the Contractor and except as noted above, payment will not be made for the required testing but will be considered subsidiary to the item furnished. (11/20/08)AML-Special Provision

#### **203-4.01 METHOD OF MEASUREMENT.**

Section 109, and the following: Completion and acceptance of the final installations by the engineer will constitute measurement. Embankment items 203-3.03 and 203-3.06 are subsidiary to excavation. (06/05/14)AML-Special Provision

~~Porous backfill material processing~~ Excavation, embankment, and compaction of sand and gravel to construct underdrain ramps is subsidiary to 203(3) Unclassified Excavation, and will not be measured for payment. Unclassified Excavation will be measured under item 203 Unclassified Excavation. Extra effort for excavation will not be measured directly for payment but will be considered subsidiary to this item. (06/05/2014)AML-Special Provision

**203-5.01 BASIS OF PAYMENT.** Add the following: The contract unit price for aggregates is for furnishing specified materials. ~~processed from unclassified excavation.~~

(06/05/14)AML-Special Provision

~~**203-5.01 BASIS OF PAYMENT.** Add the following: The contract unit price for aggregates is for furnishing specified materials. processed from unclassified excavation.~~

~~(06/05/14)AML-Special Provision~~

The cost for placing and compacting selected material acquired from unclassified excavation shall be included in the contract unit price for the excavation items. Material paid for as excavation will not be paid for again as selected material. (01/01/01)PARKS-Special Provision

Any additional associated work including but not limited to excavation, backfill, processing and furnishing material, grading, compaction, and cleanups also subsidiary.

Water required for compaction is subsidiary.

Replace the third paragraph with the following: Removal of slide material is considered subsidiary. (06/05/14)AML-Special Provision

## SECTION 611

### RIPRAP

**611-4.01 METHOD OF MEASUREMENT.** Replace this section with the following: This item will not be measured for payment but will be subsidiary to items 203(3) Unclassified Excavation, 605(10) Underdrain – 6 Inch N12 Perforated HDPE Pipe, ~~605(11) Underdrain – 8 Inch SDR 9 Specially Perforated HDPE Pipe, and 605(12) Underdrain -- Porous Backfill,~~ 610(1) Ditch Lining, and 650 Detention Pond.

**611-5.01 BASIS OF PAYMENT.** Replace this section with the following: Payment for work performed under this section shall be subsidiary to Pay Items 203(3) Unclassified Excavation, 605(10) Underdrain – 6 Inch N12 Perforated HDPE Pipe, ~~605(11) Underdrain – 8 Inch SDR 9 Specially Perforated HDPE Pipe, and 605(12) Underdrain -- Porous Backfill,~~ 610(1) Ditch Lining, and 650 Detention Pond.



ADDENDUM NO. 1 - ATTACHMENT F			
RECORD OF REVISIONS			
NO.	ADDENDUM	DATE	DESCRIPTION
△	1	5/12/17	UPDATED QUANTITIES

ESTIMATE OF QUANTITIES			
ITEM NO.	ITEM	UNIT	QUANTITY
201 (3A)	CLEARING & GRUBBING	ACRE	12.0
203 (3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	686,500
605 (10)	UNDERDRAIN -- 6 INCH NI2 PERFORATED HDPE PIPE	LINEAR FOOT	610
605 (11)	UNDERDRAIN -- 8 INCH SDR-9 SPECIALLY PERFORATED HDPE PIPE	LINEAR FOOT	1,210
605 (12)	UNDERDRAIN -- POROUS BACKFILL	LINEAR FOOT	1,770
610 (2)	DITCH LINING	TON	1,645 1,800
618 (1)	SEEDING	ACRE	24.5 31
619 (1A)	MULCHING--FGM	SQUARE YARD	142,200 150,000
620 (1)	TOPSOIL	SQUARE YARD	142,200 150,000
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D
641 (1)	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQ'D
641 (2)	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQ'D
641 (6)	SNPPP PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D
646 (1)	CPM SCHEDULING	LUMP SUM	ALL REQ'D
647 (2)	WIDE PAD DOZER, 65 HP MINIMUM	HOURL	10
647 (6)	HYDRAULIC EXCAVATOR, 1 CY, 100 HP, MINIMUM	HOURL	10
647 (7)	MOTOR GRADER, 220 HP MINIMUM	HOURL	50



LEGEND		ABBREVIATIONS	
EXISTING TOPOGRAPHY		Ø	DIAMETER
DESIGN CUT		2:1, 4:1	SLOPE RATIOS, IN HORIZONTAL TO VERTICAL UNITS
DESIGN FILL		APRX.	APPROXIMATE
ROAD		BMP	BEST MANAGEMENT PRACTICES
OVERGROWN ROAD		C&G	CLEARING AND GRUBBING
EXISTING STREAM		CFS	CUBIC FEET PER SECOND
DESIGN CHANNEL		CL	CENTERLINE
VEGETATION EDGE		CP	CONTROL POINT
GRADING LIMITS		CU. YD.	CUBIC YARDS
PROJECT LIMITS		DPI6	DETENTION POND CONTROL POINT #16 (TYP.)
DISTURBANCE LIMITS		ECB	EROSION CONTROL BLANKET
LIMITS FOR STOCKPILING C&G MATERIAL		EPDM	ETHYLENE PROPYLENE DIENE MONOMER
C&G LIMITS		F.G.	FINAL GRADE
STAGING AREA		FGM	FLEXIBLE GROWTH MEDIA
TOPOGRAPHY ALTERED BY HYDRAULIC PIT RECLAMATION PROJECT		FT.	FEET
FINISH GRADE SLOPES > 50%		GPM	GALLONS PER MINUTE
UNDERDRAIN RAMPS		GPS	GLOBAL POSITIONING SYSTEM
PROPOSED GRASS W FGM		HDPE	HIGH DENSITY POLYETHYLENE
5/8" REBAR WITH PLASTIC CAP		LI, R2	TRIBUTARIES TO THE MAIN CHANNEL NUMBERED IN SEQUENCE FROM HEAD TO MOUTH
10" GALVANIZED STEEL SPIKE		L.S.	LUMP SUM
OTHER LINETYPES AND HATCH PATTERNS WITH SPECIFIC APPLICATIONS ARE LABELED IN THE DRAWINGS.		NI2	DOUBLE-WALL CORRUGATED PERF HDPE PIPE DESIGNATION
		N, S, E, W	NORTH, SOUTH, EAST WEST
		NAD83	NORTH AMERICAN DATUM, 1983
		O.G.	ORIGINAL GROUND, EXISTING TOPOGRAPHY
		PERF	PERFORATED
		PT.	POINT
		Q	FLOW RATE, EXPRESSED IN VOLUME PER UNIT TIME
		SDR	STANDARD DIMENSIONLESS RATIO, OF A PIPE'S OUTER DIAMETER TO ITS WALL THICKNESS
		S.P.	STATE PLANE COORDINATE SYSTEM
		SQ. FT.	SQUARE FEET
		SQ. YD.	SQUARE YARDS
		TRANS.	TRANSITION
		TYP.	TYPICAL



PREPARED: RDA  
DRAWN: JCF  
REVIEWED: DNR  
DATE: 4/18/2017

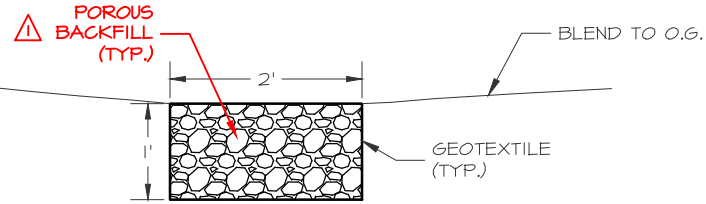
SHEET  
04  
OF 24 SHEETS

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES

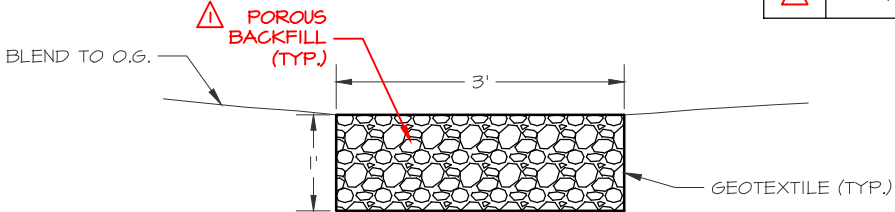
ESTIMATE OF QUANTITIES & LEGEND

VITRO PIT RECLAMATION PROJECT No. 52956-1

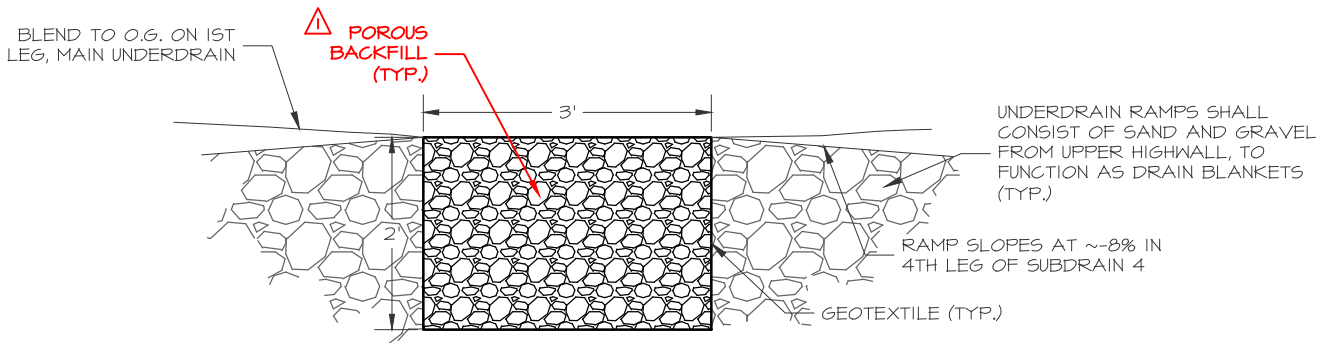
ADDENDUM NO. 1 - ATTACHMENT G			
RECORD OF REVISIONS			
NO.	ADDENDUM	DATE	DESCRIPTION
1	I	5/12/17	ADDED POROUS BACKFILL CALLOUTS



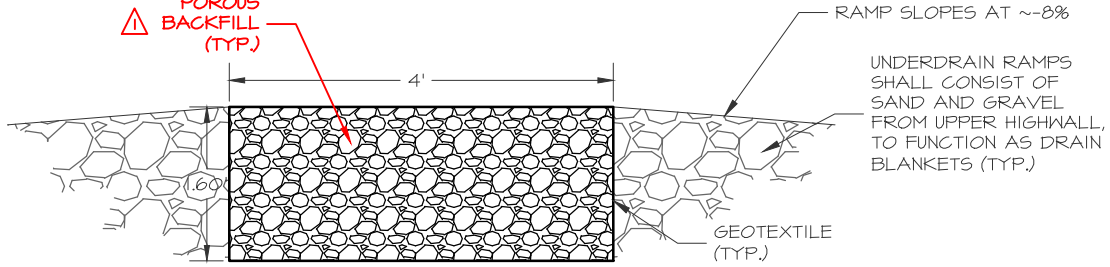
1  
12 UNDERDRAINS 1 & 2, 1ST & 2ND LEGS OF UNDERDRAINS 3, 4, & 5  
SECTION VIEW



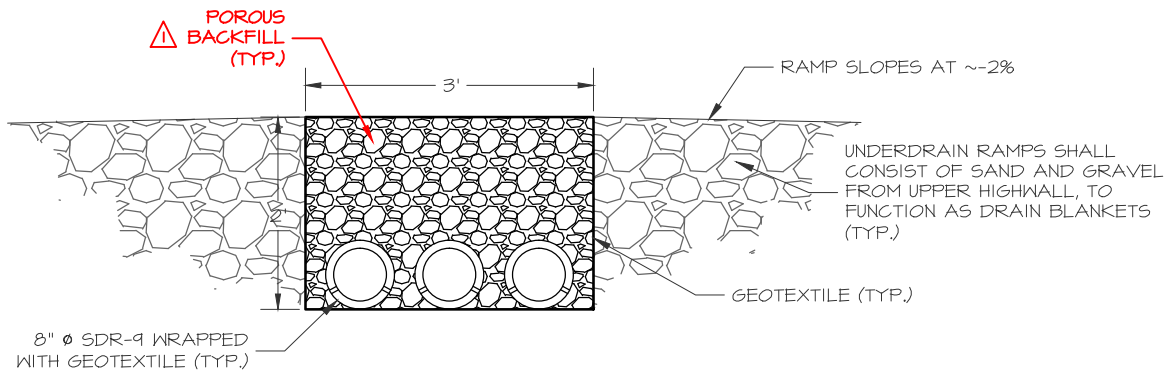
2  
12 UNDERDRAIN 3, 3RD LEG & UNDERDRAIN 4, 3RD LEG  
SECTION VIEW



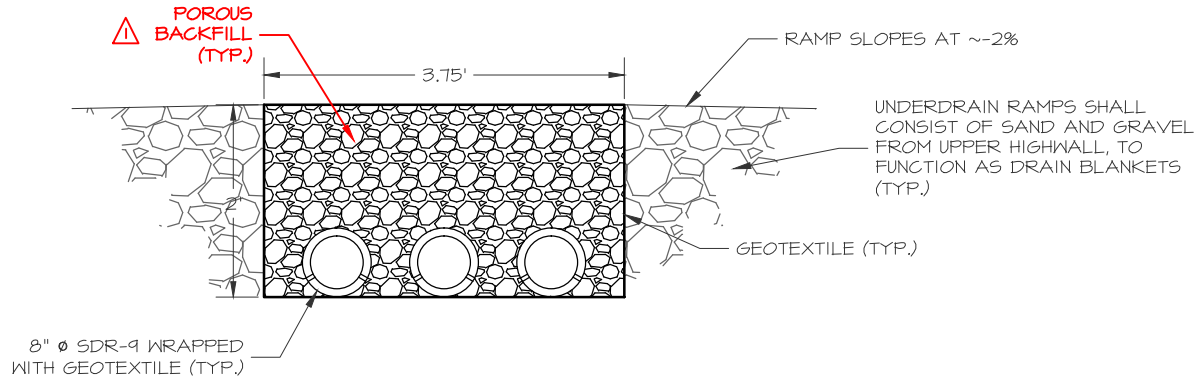
3  
12 UNDERDRAIN 4, 4TH LEG & MAIN UNDERDRAIN, 1ST LEG  
SECTION VIEW



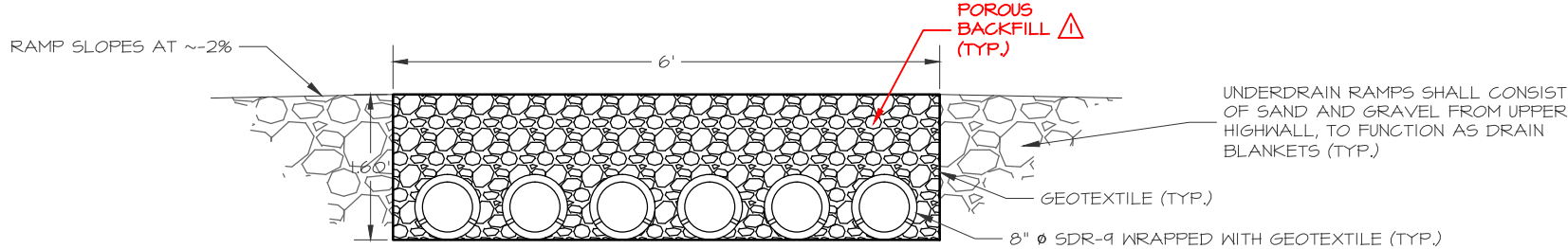
4  
12 UNDERDRAIN 5, 3RD LEG  
SECTION VIEW



5  
12 MAIN UNDERDRAIN, 2ND LEG  
SECTION VIEW



6  
12 MAIN UNDERDRAIN, 3RD LEG  
SECTION VIEW



7  
12 MAIN UNDERDRAIN, 4TH LEG  
SECTION VIEW

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES

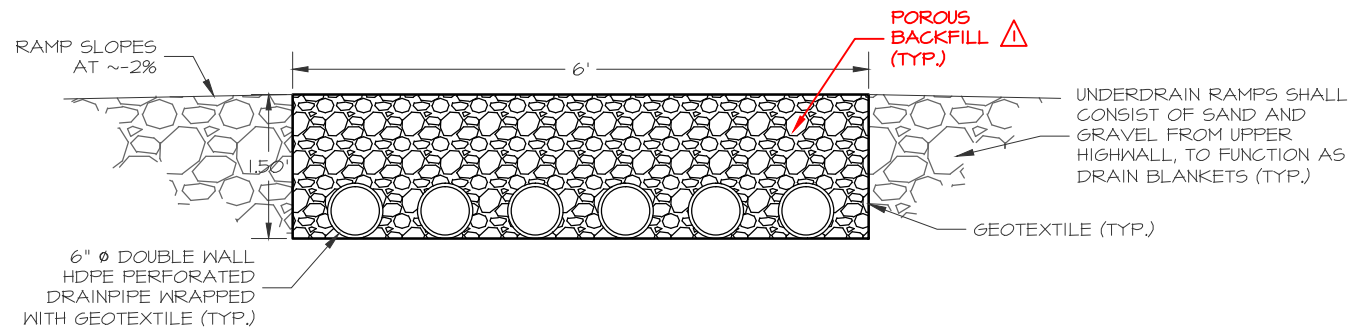
UNDERDRAIN DETAILS

VITRO PIT RECLAMATION  
PROJECT No. 52956-1

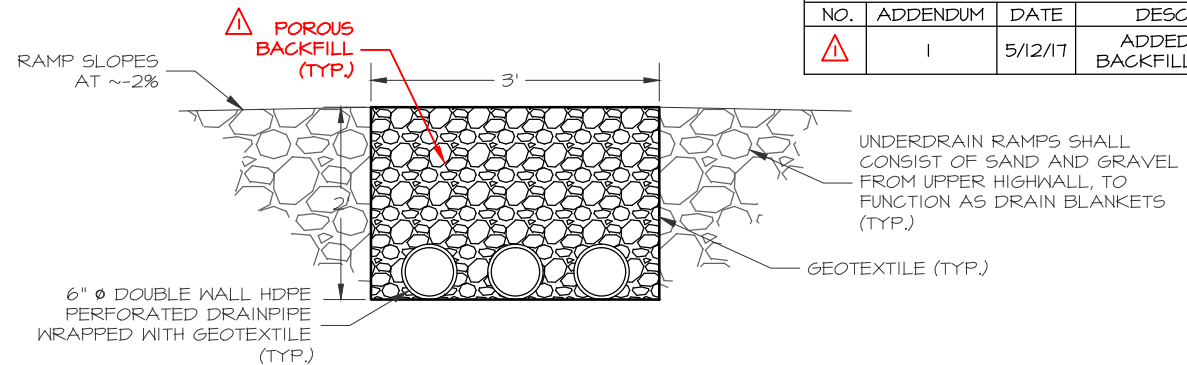


PREPARED: RDA  
DRAWN: JCF  
REVIEWED: DNR  
DATE: 4/18/2017  
SHEET  
12  
OF 24 SHEETS

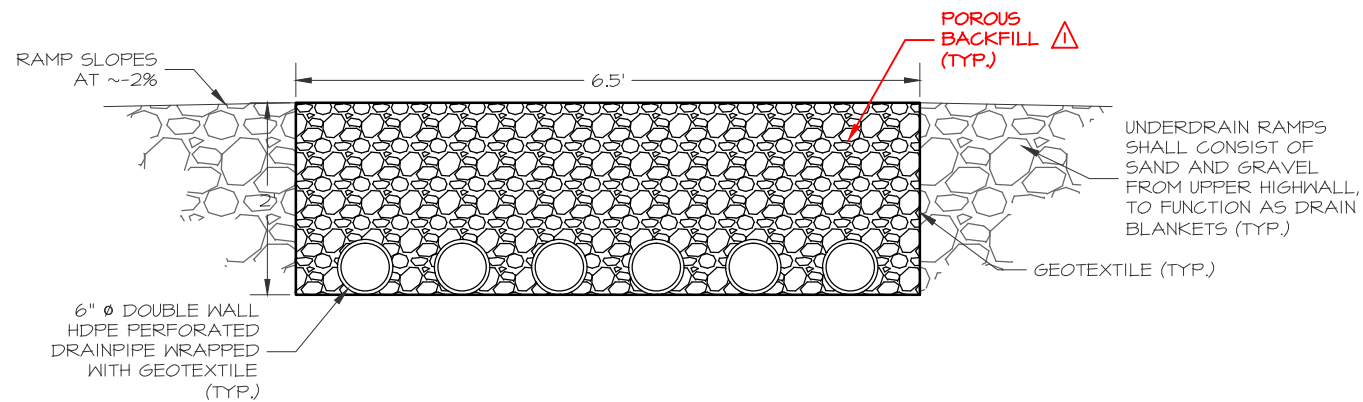
ADDENDUM NO. 1 - ATTACHMENT H			
RECORD OF REVISIONS			
NO.	ADDENDUM	DATE	DESCRIPTION
1	I	5/12/17	ADDED POROUS BACKFILL CALLOUTS



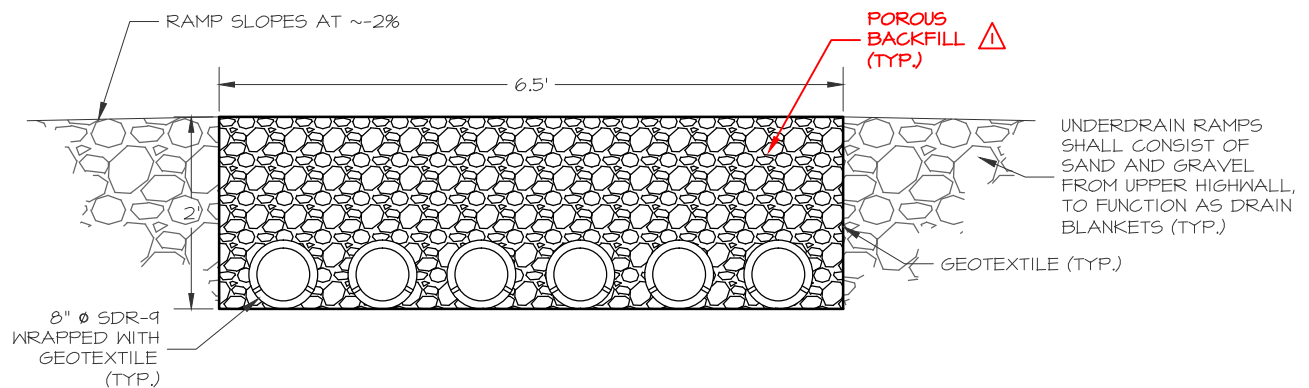
1 MAIN UNDERDRAIN, 5TH LEG  
13 SECTION VIEW



2 MAIN UNDERDRAIN, 6TH & 7TH LEGS  
13 SECTION VIEW



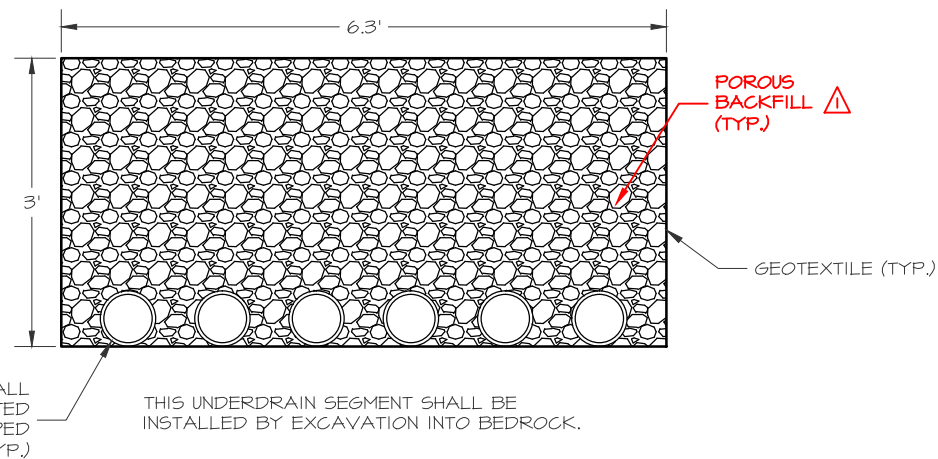
3 MAIN UNDERDRAIN, 8TH & 10TH LEGS  
13 SECTION VIEW



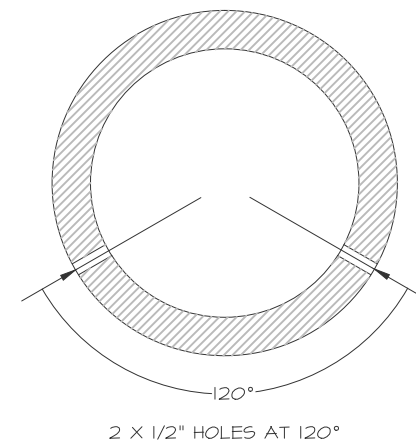
4 MAIN UNDERDRAIN, 9TH LEG  
13 SECTION VIEW

NOTES:

1. UNDERDRAINS SHALL INTERCEPT WATER AT DISTURBANCE BOUNDARY OR POINT OF ORIGIN BENEATH FILL AND CONVEY FLOW BENEATH FILL TO DISCHARGE POINTS. LOCATIONS ARE APPROXIMATE; MODIFICATIONS REQUIRE APPROVAL OF PROJECT ENGINEER.
2. TRENCH INSTALLATION IS REQUIRED IN AREAS OF STEEPER GROUND, WHERE DESIGN GRADE AND ELEVATION APPROXIMATE ORIGINAL GROUND. REMOVE ALL SURFACE VEGETATION FROM INSTALLATION FOOTPRINT. BLEND TO EXISTING PER TEMPLATE.
3. DRAINAGE PIPES SHALL BE ENCLOSED IN SOCKS AND WRAPPED WITH GEOTEXTILE. CAP UPGRADE ENDS OF PIPES TO PREVENT CLOGGING.
4. WRAP UNDERDRAIN AGGREGATE IN GEOTEXTILE. OVERLAP FULL TOP WIDTH OF TRENCH DRAINS.
5. GEOTEXTILE SHALL BE FOR SUBSURFACE DRAINAGE, IN ACCORDANCE WITH SPECIFICATIONS. DRAIN AGGREGATE SHALL CONFORM TO SUBSECTION 703-2.10, POROUS BACKFILL MATERIAL, OF THE SPECIFICATIONS.
6. CONSTRUCT DAYLIGHT RIPRAP COVERS OVER UNDERDRAIN INLETS AND OUTLETS, TO MAINTAIN MINIMUM THICKNESS FOR MINIMUM RADIAL DISTANCE.
7. SPACE PIPES EVENLY ACROSS THE WIDTH OF UNDERDRAIN BOTTOMS. MAINTAINING A MINIMUM 2-3 DIAMETERS OF POROUS BACKFILL COVER OVER ALL PIPES.
8. CONSTRUCT UNDERDRAIN RAMPS IN THE PIT BOTTOM USING SAND AND GRAVEL MATERIAL FROM THE UPPER PORTION OF THE HIGHWALL. CONSTRUCT RAMPS TO FORM SIDES AND BOTTOM OF UNDERDRAINS. COVER UNDERDRAINS WITH A MINIMUM 4 FEET OF SAND AND GRAVEL.



5 MAIN UNDERDRAIN, 11TH LEG  
13 SECTION VIEW



6 SDR 9 HDPE DRILL PATTERN  
13 DRAINPIPE CROSS SECTION

NOTES:

1. DRILL 2 X 1/2" HOLES, SPACED 120° APART, EVERY 4", FOR 6 INFILTRATION HOLES PER FOOT. WATER INLET AREA SHALL BE A MINIMUM 0.945 IN²/FT OF PIPE LENGTH. SLOTS MAY BE SUBSTITUTED PER ENGINEER APPROVAL.
2. PIPE DIMENSIONS: 8.625" O.D., 6.593" I.D., WEIGHT ~10 LB/FT.

