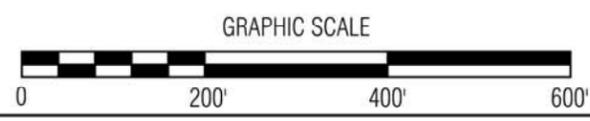


ELEVATIONS TABLE			
CUT/FILL	MINIMUM ELEVATION	MAXIMUM ELEVATION	COLOR
CUT	-36.00	-18.00	Red
CUT	-18.00	0.00	Orange
FILL	0.00	18.00	Yellow
FILL	18.00	36.00	Green

**NOTES:**  
 1. NEGATIVE (-) VALUES INDICATE AREAS OF CUT.  
 2. POSITIVE (+) VALUES INDICATE AREAS OF FILL.  
 3. ALL VALUES SHOWN ARE IN FEET.  
 4. ALL CONTOURS SHOWN ARE TO FINISHED GRADE.  
 5. PROPOSED CONTOURS ARE SHOWN AT 2' INTERVALS, UNLESS NOTED OTHERWISE. EXISTING CONTOURS ARE SHOWN AT 2' INTERVALS.



FILE: 049.002

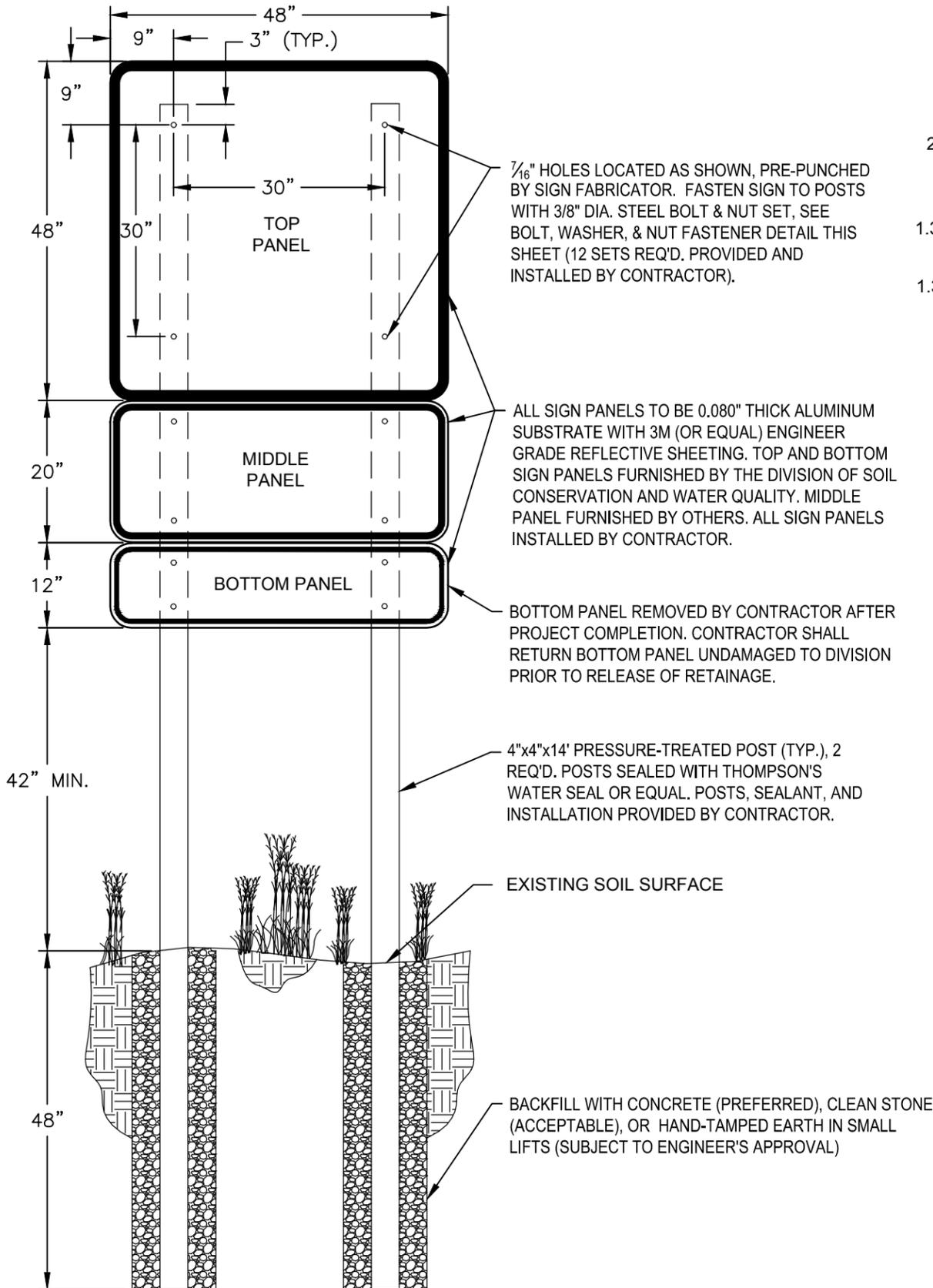
DESIGN BY: LTL  
 CHKD. BY: LTL  
 DRAWN BY: BAY  
 ISSUED: 09-21-16  
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**IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP**  
 DIVISION OF SOIL CONSERVATION AND WATER QUALITY  
 IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP  
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**BROWN (IA-133) AML RECLAMATION PROJECT**  
**CUT AND FILL PLAN**

SHEET **7** OF **15**

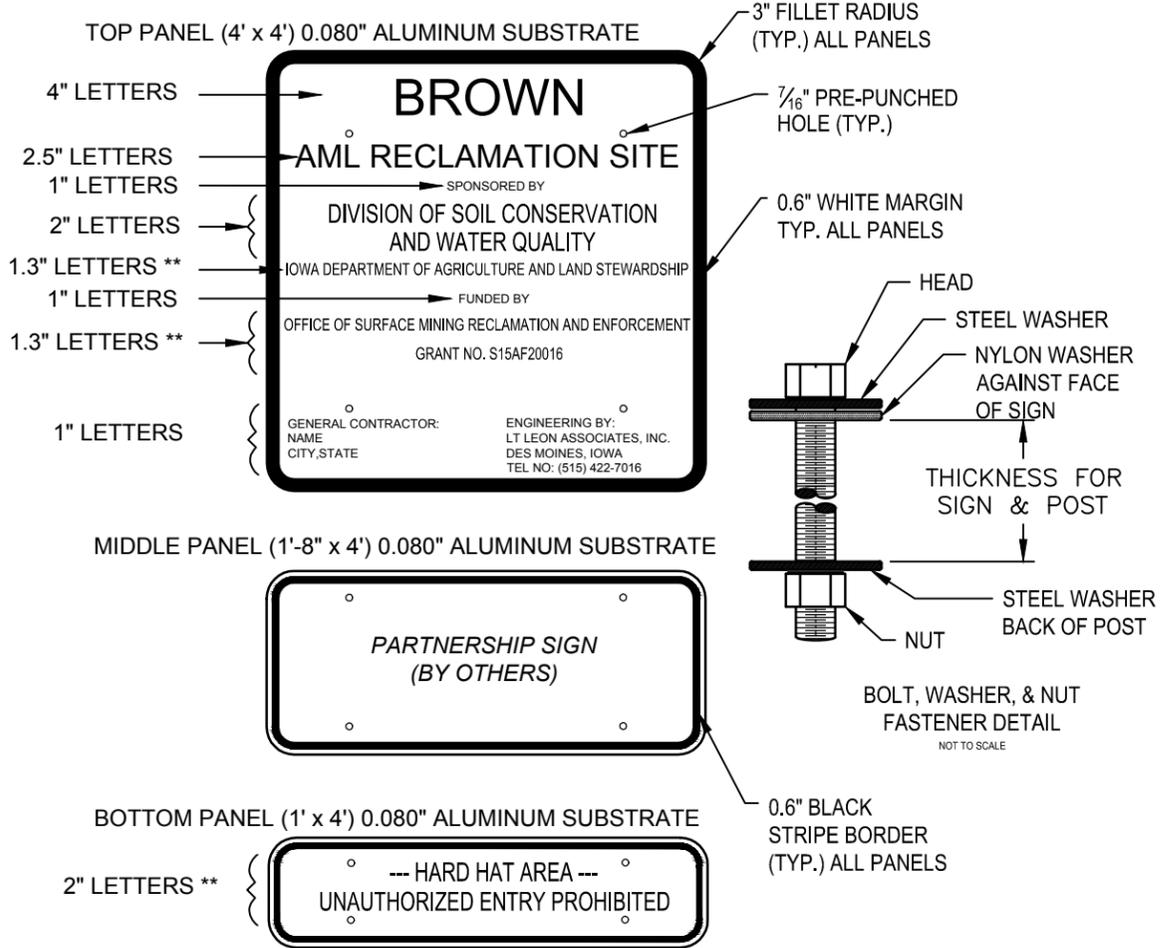


7/16" HOLES LOCATED AS SHOWN, PRE-PUNCHED BY SIGN FABRICATOR. FASTEN SIGN TO POSTS WITH 3/8" DIA. STEEL BOLT & NUT SET, SEE BOLT, WASHER, & NUT FASTENER DETAIL THIS SHEET (12 SETS REQ'D. PROVIDED AND INSTALLED BY CONTRACTOR).

ALL SIGN PANELS TO BE 0.080" THICK ALUMINUM SUBSTRATE WITH 3M (OR EQUAL) ENGINEER GRADE REFLECTIVE SHEETING. TOP AND BOTTOM SIGN PANELS FURNISHED BY THE DIVISION OF SOIL CONSERVATION AND WATER QUALITY. MIDDLE PANEL FURNISHED BY OTHERS. ALL SIGN PANELS INSTALLED BY CONTRACTOR.

BOTTOM PANEL REMOVED BY CONTRACTOR AFTER PROJECT COMPLETION. CONTRACTOR SHALL RETURN BOTTOM PANEL UNDAMAGED TO DIVISION PRIOR TO RELEASE OF RETAINAGE.

4"x4"x14' PRESSURE-TREATED POST (TYP.), 2 REQ'D. POSTS SEALED WITH THOMPSON'S WATER SEAL OR EQUAL. POSTS, SEALANT, AND INSTALLATION PROVIDED BY CONTRACTOR.



\*\* LETTER WIDTH = 75% OF THE LETTER HEIGHT

SIGNAGE NOTES:

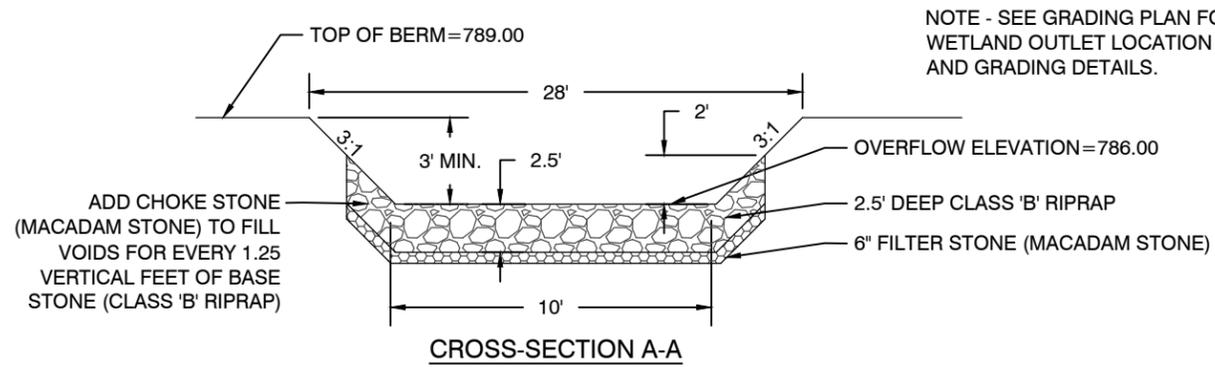
1. DIVISION WILL FURNISH TOP AND BOTTOM SIGN PANELS. MIDDLE PANEL PROVIDED BY OTHERS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING POSTS, HARDWARE, AND INSTALLATION FOR ALL PANELS.
2. ALL EXPOSED WOOD SHALL BE SEALED WITH THOMPSON'S WATER SEAL OR EQUAL MEETING ASTM D-4446-08.
3. ALL STEEL HARDWARE PIECES SHALL BE GALVANIZED OR RUST RESISTANT.
4. NYLON AND STEEL WASHERS SHALL BE USED AS SHOWN ON THE BOLT, WASHER, NUT FASTENER DETAIL ABOVE.
5. CLEAR UTILITIES WITH IOWA ONE-CALL (800) 292-8989 BEFORE EXCAVATING FOR POSTS.
6. SECURE ENGINEERS APPROVAL FOR SIGN LOCATION BEFORE INSTALLATION.
7. COSTS FOR POSTS, HARDWARE, WOOD SEALANT AND SIGN INSTALLATION SHALL BE INCIDENTAL TO MOBILIZATION.
8. CONTRACTOR SHALL INSTALL SIGN POSTS USING A PLYWOOD OR OTHER SUITABLE TEMPLATE TO MAINTAIN ACCURATE POST SPACING AND ALIGNMENT DURING BACKFILLING OF THE POST HOLES. TO AVOID BENDING OF THE SIGN PANELS, POSTS SHALL NOT BE INSTALLED OR BACKFILLED WITH SIGN PANELS ATTACHED.
9. ONE (1) PROJECT SIGN IS REQUIRED, LOCATED AS SHOWN ON PLANS.

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 CHECKD. BY: LTL  
 CHKD. BY: LTL  
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 FILE: 049.002

BROWN (IA-133)  
 AML RECLAMATION PROJECT

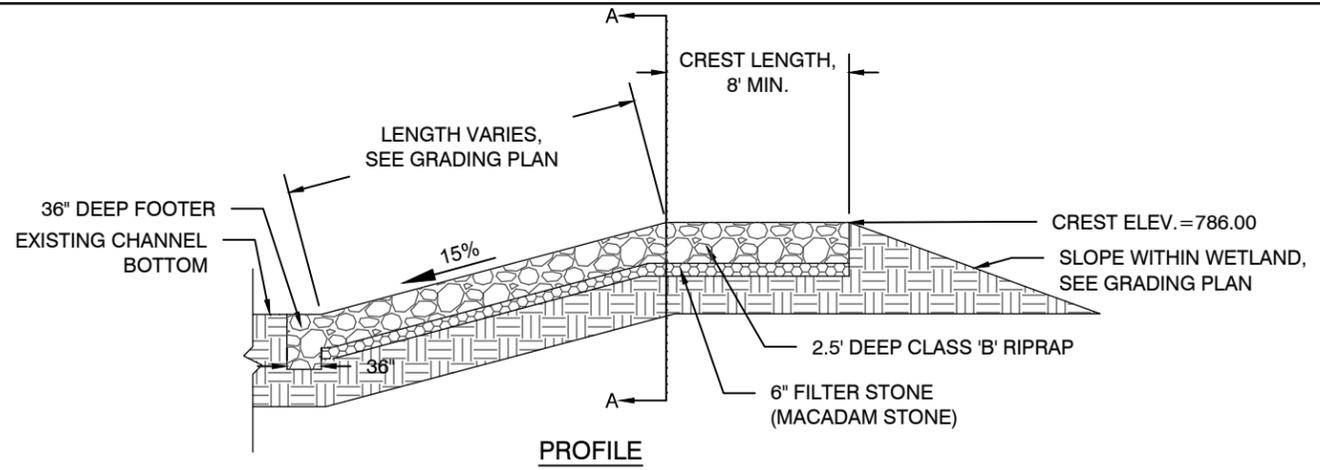
TYPICAL DETAILS



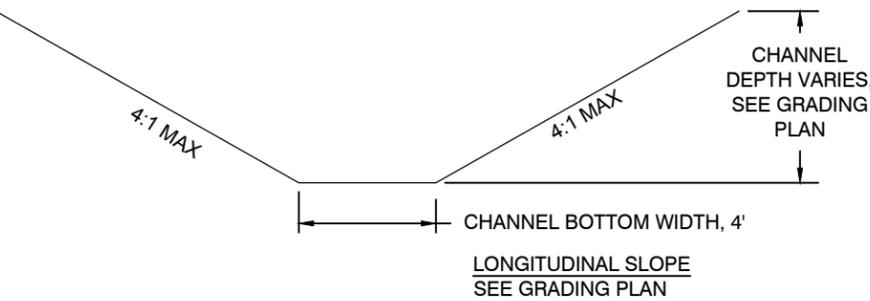


1 WETLAND OUTLET STRUCTURE DETAIL

NOT TO SCALE

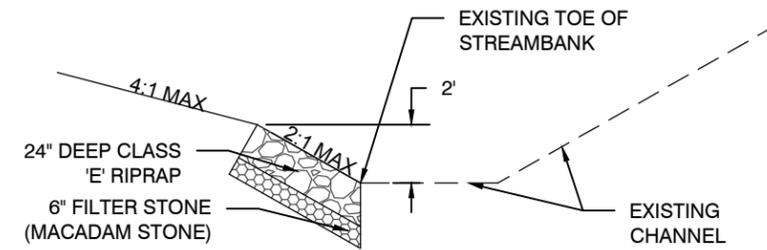


PROFILE



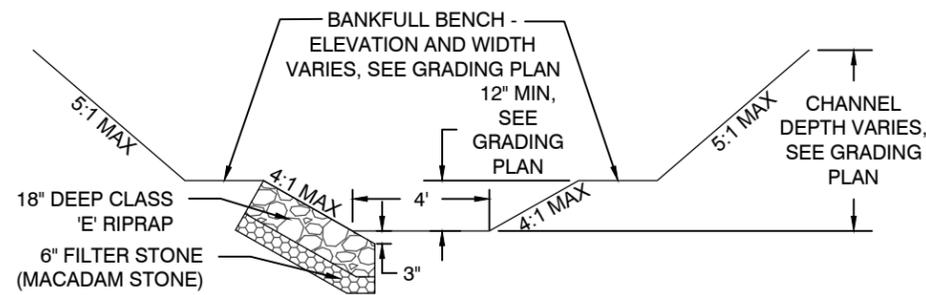
2 DRAINAGE CHANNEL DETAIL (CHANNELS A3, B1, C2, AND C3)

NOT TO SCALE



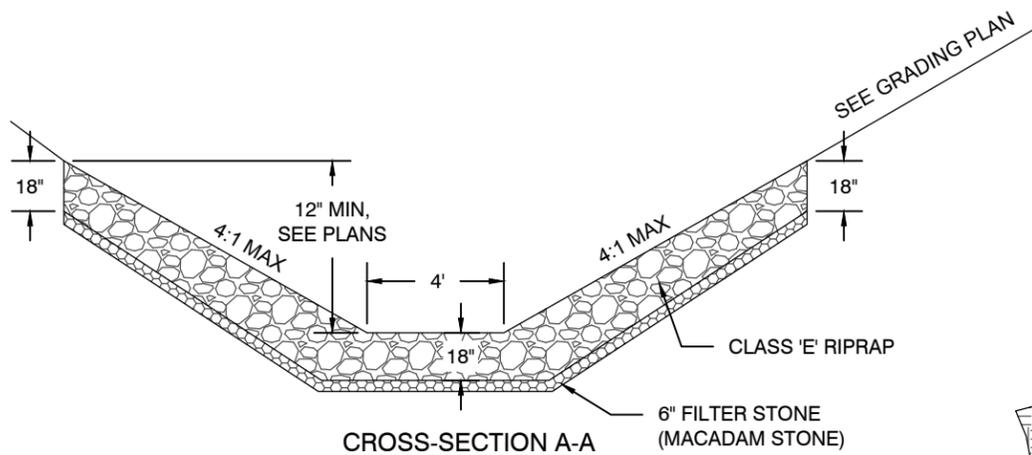
3 ROCK TOE PROTECTION @ EXISTING CREEK DETAIL (VIEW LOOKING DOWNSTREAM)

NOT TO SCALE



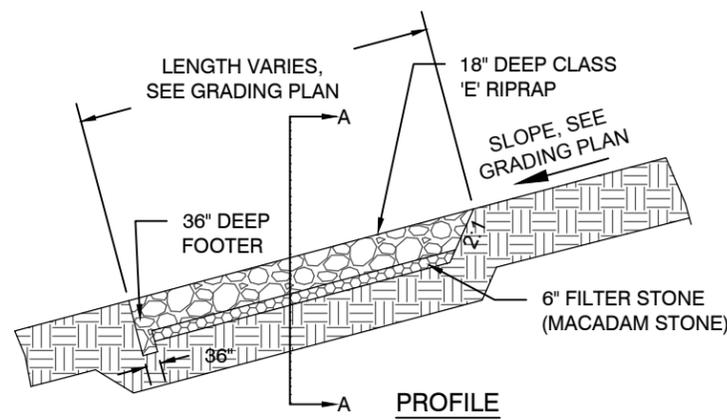
4 ROCK TOE PROTECTION @ CHANNEL A1 DETAIL (VIEW LOOKING DOWNSTREAM)

NOT TO SCALE

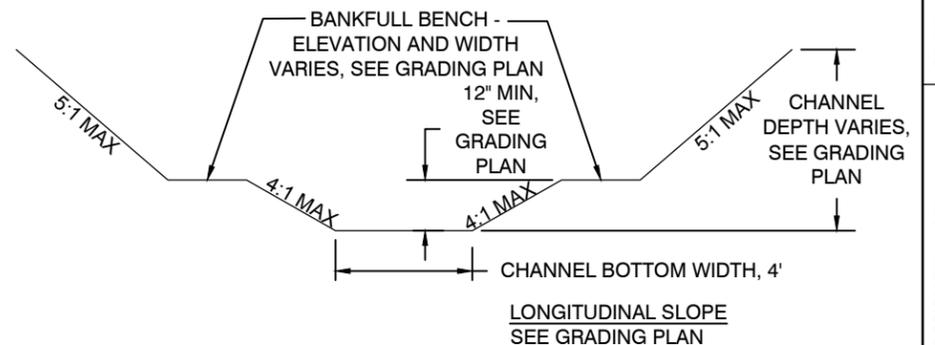


5 ROCK RIFFLE GRADE CONTROL DETAIL

NOT TO SCALE



PROFILE



6 DRAINAGE CHANNEL DETAIL (CHANNELS A1, A2, AND C1)

NOT TO SCALE

FILE: 049.002

REVISED:

09-21-16

ISSUED:

LTL

CHKD. BY:

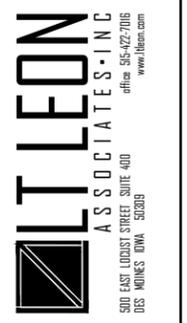
BAY

DRAWN BY:

LTL

DESIGN BY:

LTL

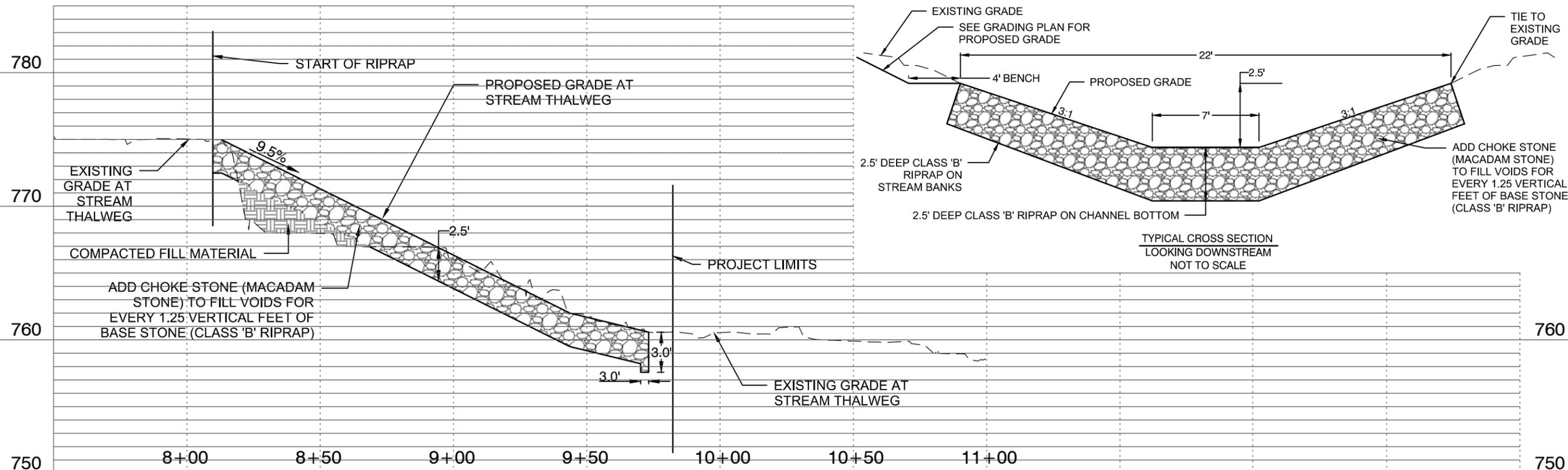


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BROWN (IA-133)  
AML RECLAMATION PROJECT

TYPICAL DETAILS



1 CONSTRUCTED ROCK GRADE CONTROL STRUCTURE AT EXISTING STREAM - PROFILE

SCALE: 1"=40' HORIZONTAL  
1"=8' VERTICAL

DESIGN BY: LTL  
 DRAWN BY: BAY  
 CHKD. BY: LTL  
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 FILE: 049.002

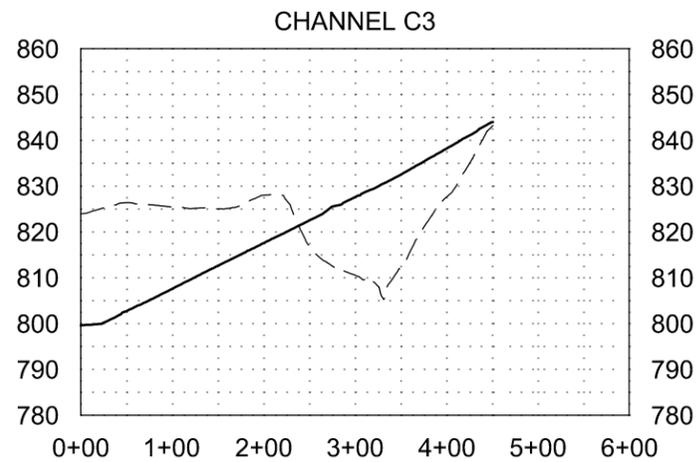
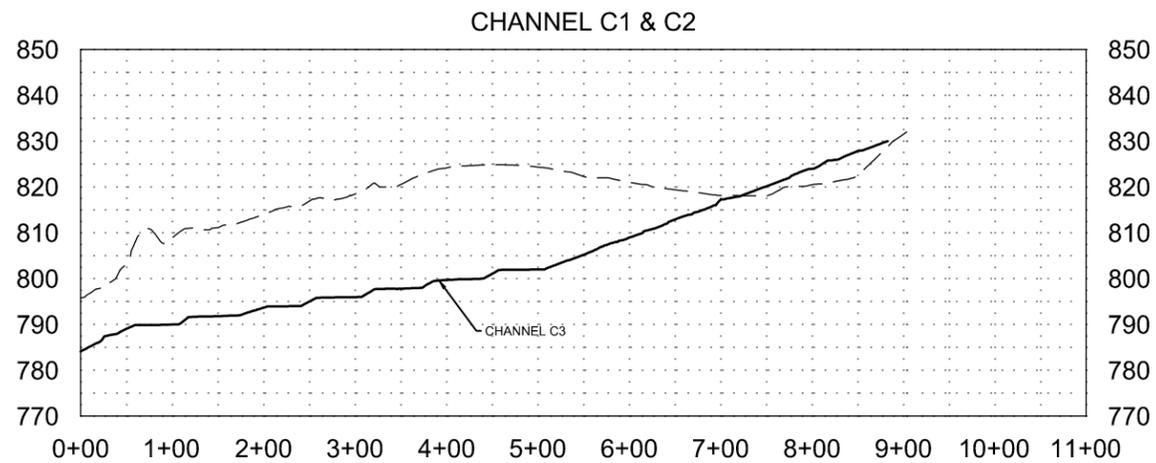
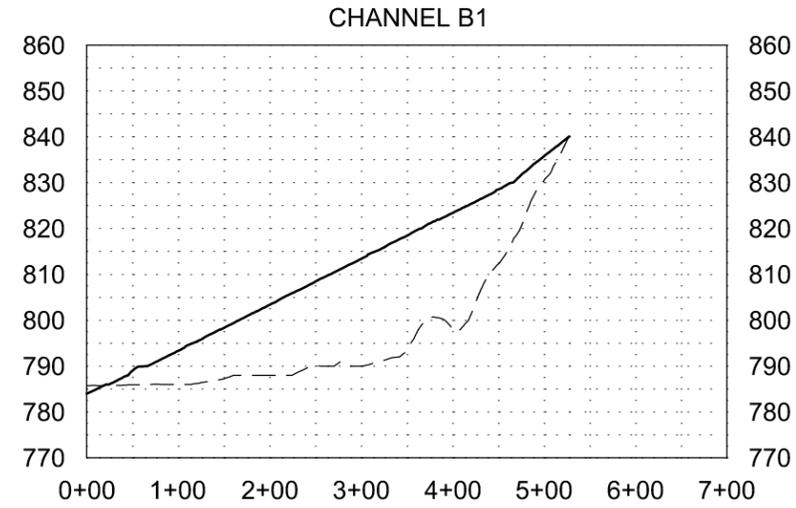
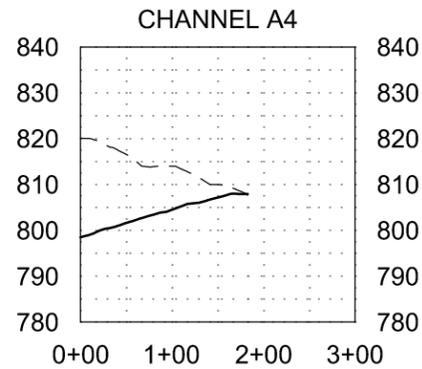
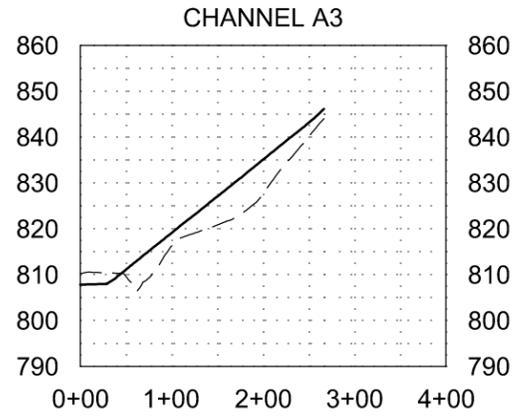
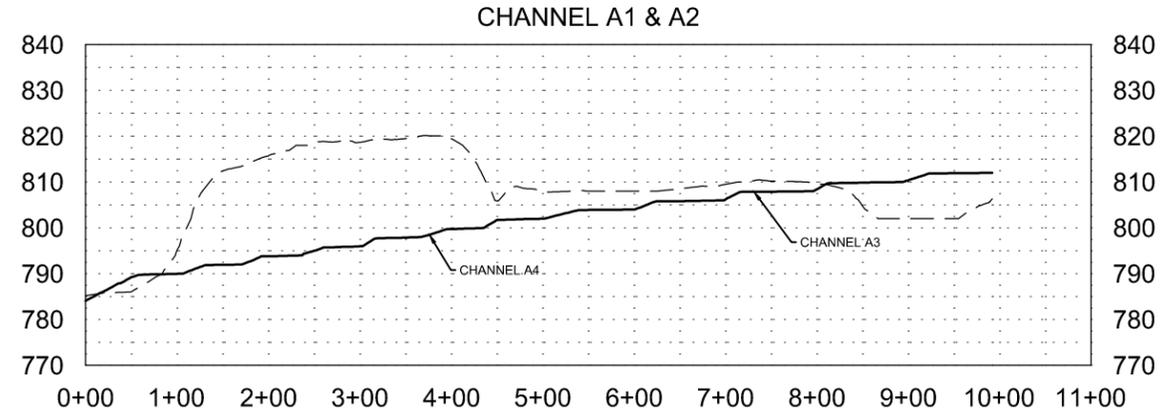
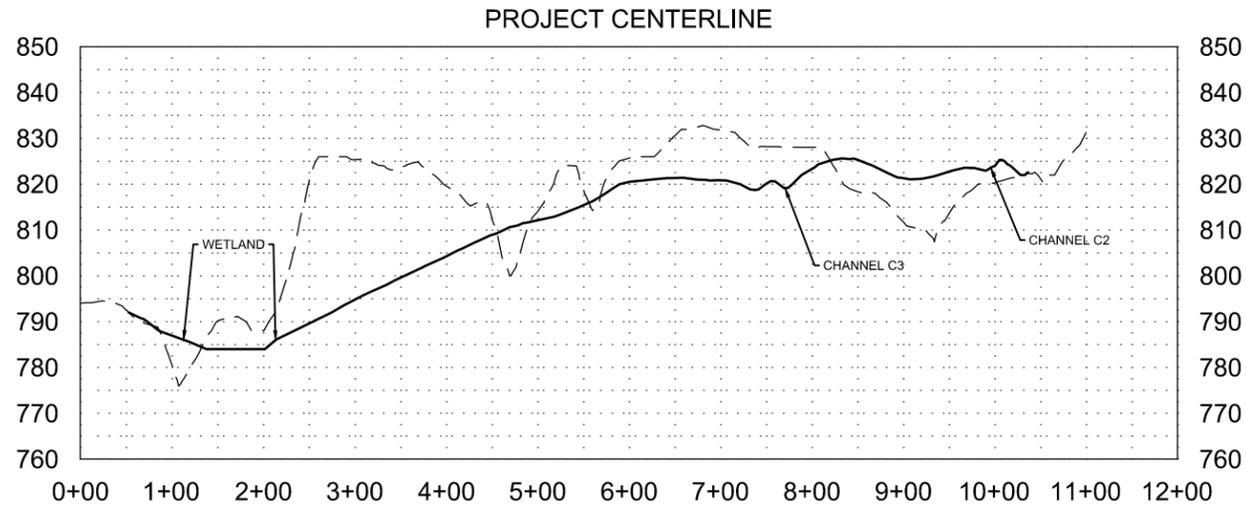


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BROWN (IA-133)  
 AML RECLAMATION PROJECT  
 TYPICAL DETAILS

SHEET  
**10** OF **15**



SCALE: 1"=200' HORIZONTAL  
1"=40' VERTICAL

FILE: 049.002

REVISED: 09-21-16

ISSUED: 09-21-16

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DRAWN BY: BAY

DESIGN BY: LTL

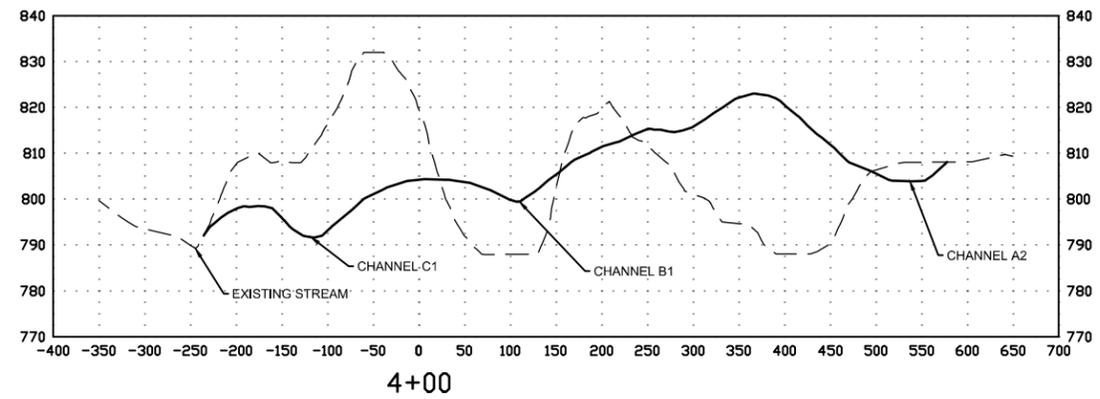
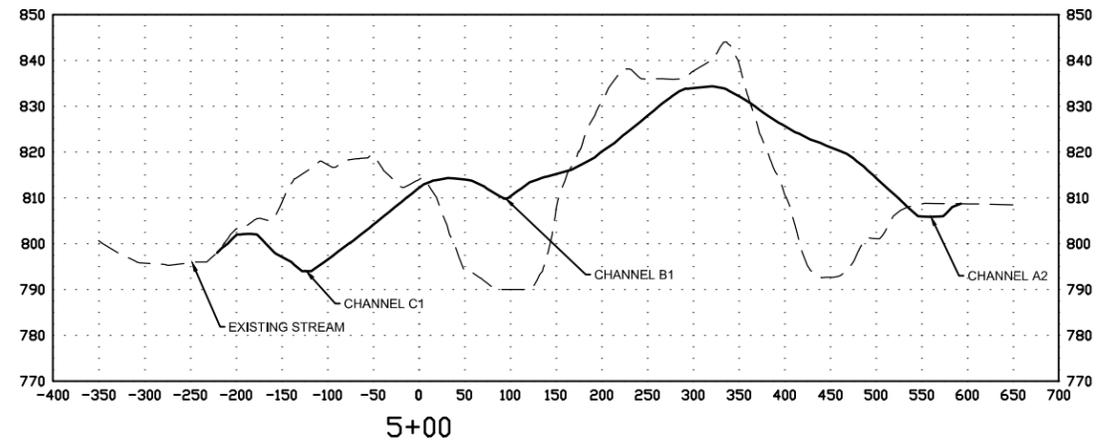
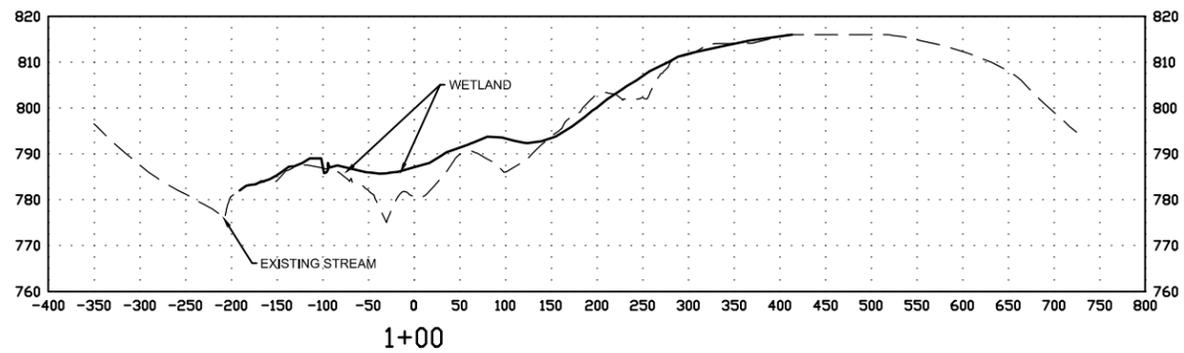
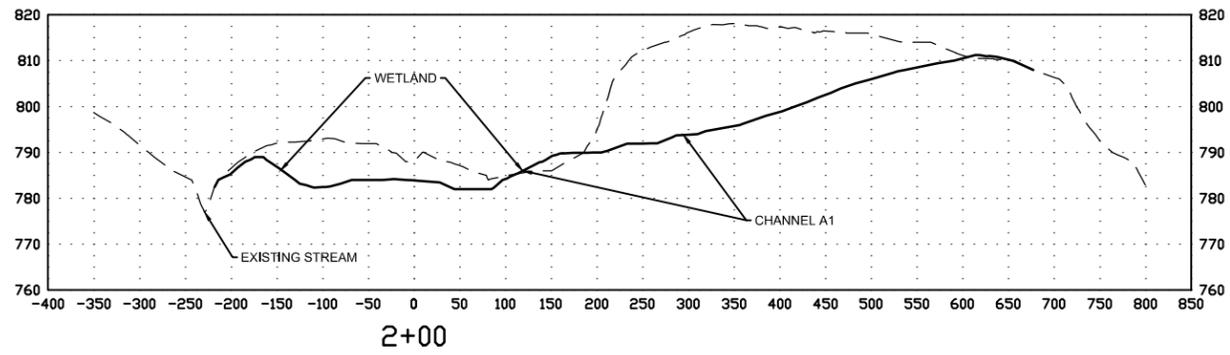
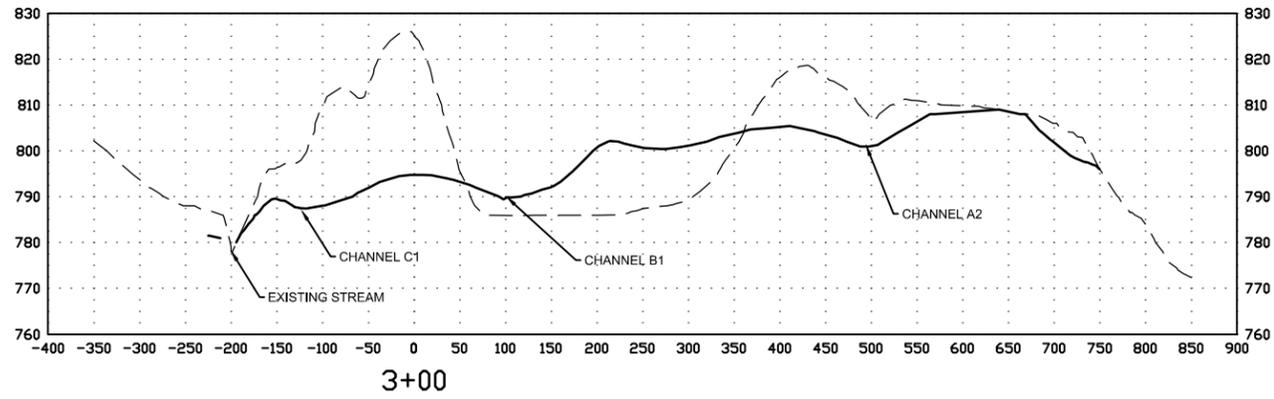


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**BROWN (IA-133)  
AML RECLAMATION PROJECT**

**PROFILES**



NOTES THIS SHEET:  
 1. CROSS SECTIONS ARE TAKEN FROM PROJECT CENTERLINE.  
 SEE SHEET 5.

SCALE: 1"=200' HORIZONTAL  
 1"=40' VERTICAL

FILE: 049.002

REVISION: 09-21-16

ISSUED: LTL

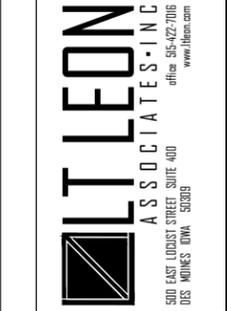
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DESIGN BY: LTL

SHEET

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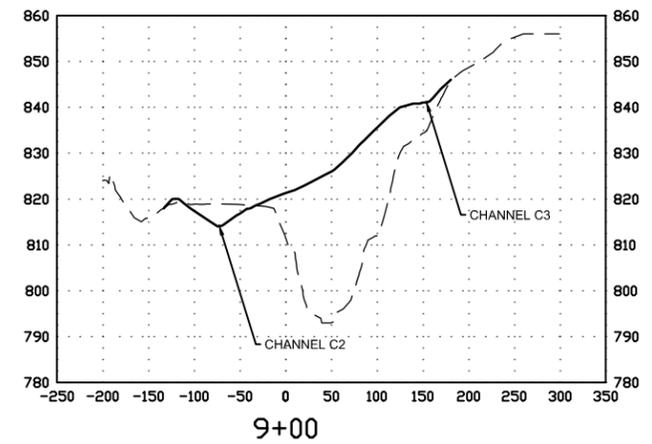
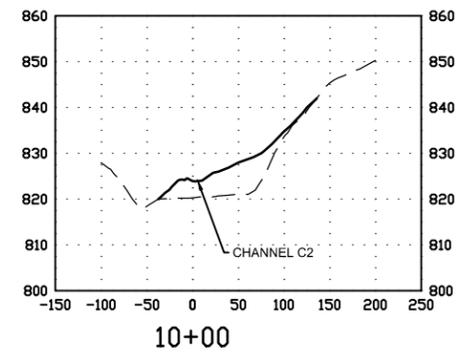
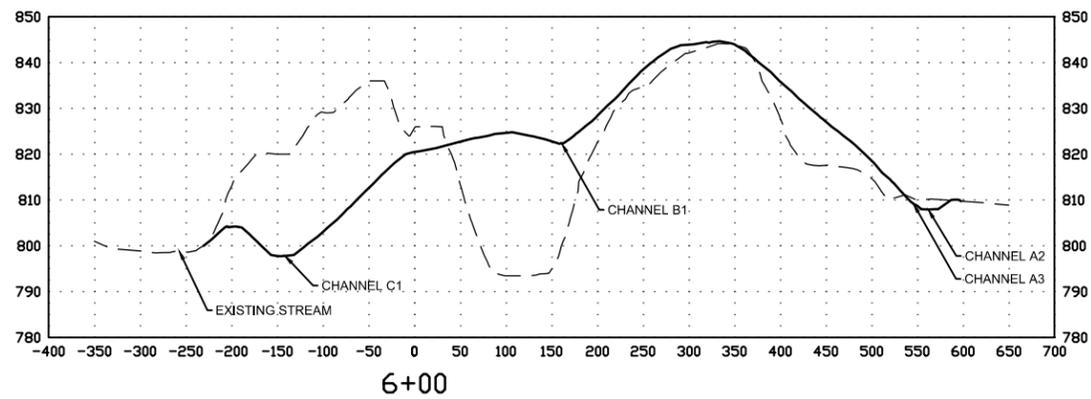
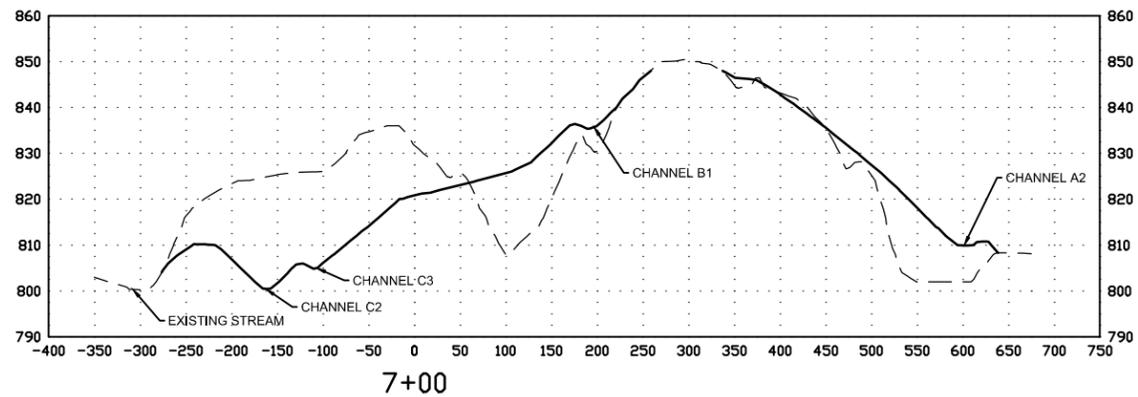
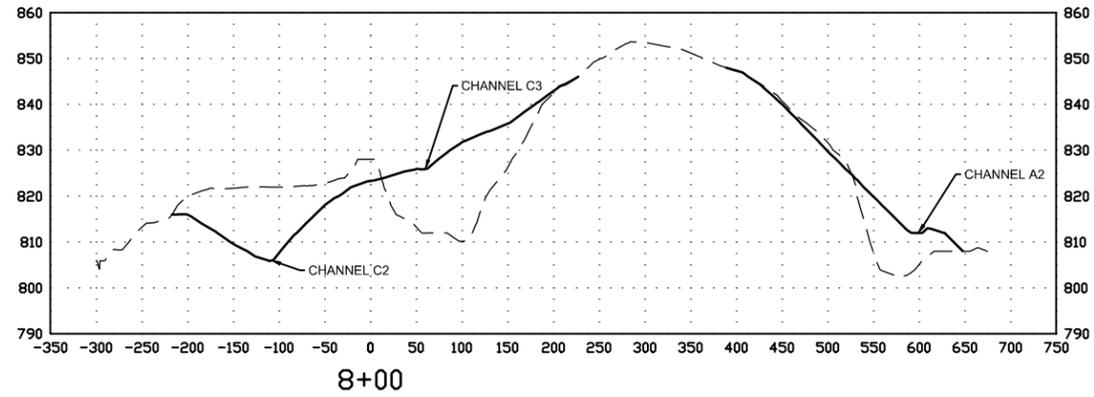
CROSS SECTIONS



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12 OF 15



NOTES THIS SHEET:  
 1. CROSS SECTIONS ARE TAKEN FROM PROJECT CENTERLINE. SEE SHEET 5.

SCALE: 1"=200' HORIZONTAL  
 1"=40' VERTICAL

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BROWN (IA-133)  
 AML RECLAMATION PROJECT

CROSS SECTIONS



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# STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

## SITE INFORMATION:

1. SITE IS LOCATED IN THE WEST ½ OF SECTION 26 AND EAST ½ OF SECTION 27, TOWNSHIP 74 NORTH, RANGE 19 WEST, MARION COUNTY, IOWA.
2. THIS SWPPP COVERS THE RECLAMATION OF APPROXIMATELY 16.9 ACRES OF STRIP MINED LAND.
3. THE PREDOMINATE SOIL TYPES ARE: MINE SPOIL (502) SURROUNDED BY PERSHING SILT LOAM, LINDLEY LOAM, OLMITZ LOAM, GARA LOAM, AND CALEB-MYSTIC LOAMS.
4. RUNOFF FROM THE CONSTRUCTION AREA WILL FLOW INTO AN UNNAMED TRIBUTARY TO NORTH CEDAR CREEK WHICH IS A TRIBUTARY TO DES MOINES RIVER.
5. THE AVERAGE NRCS RUNOFF CURVE NUMBER FOR THIS LAND AFTER PERMANENT VEGETATION IS ESTABLISHED IS ESTIMATED TO BE 74. SOILS ON THIS SITE ARE EXPECTED TO BE IN THE "C" OR "D" HYDROLOGIC SOIL GROUP.

## GENERAL:

1. THIS SHEET IS INCLUDED IN THE PLANS TO SUMMARIZE THE SWPPP. PARTICULAR SWPPP INFORMATION CAN BE FOUND IN THE SWPPP BOOK FOR THE PROJECT AND ON THE DRAWING(S) SHOWING LOCATIONS OF THE BEST MANAGEMENT PRACTICES (BMPs).
2. THIS PROJECT WILL BE COVERED BY NPDES GENERAL PERMIT NO. 2 WHICH REGULATES POLLUTION IN STORMWATER RUNOFF FROM SITES WHERE THERE IS INDUSTRIAL ACTIVITY ASSOCIATED WITH CONSTRUCTION ACTIVITIES.
3. A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE KEPT ON SITE IN A WEATHER-PROOF ENCLOSURE, LIKE A MAILBOX OR SIMILAR CONTAINER PROVIDED BY THE CONTRACTOR. THE ENCLOSURE MAY BE LOCKED, BUT THE PLAN SHALL BE ACCESSIBLE TO THE ENGINEER OR DIVISION PERSONNEL AT ALL TIMES. THE SWPPP MUST BE MADE AVAILABLE WITHIN THREE (3) HOURS OF A REQUEST FROM REGULATORY PERSONNEL. A SIGN OR NOTICE POSTED BY THE CONTRACTOR SHALL INDICATE THE PLAN'S LOCATION ON SITE.
4. THE PRIME CONTRACTOR AND ALL ITS SUBCONTRACTORS SHALL CONDUCT THEIR OPERATIONS IN A MANNER WHICH MINIMIZES EROSION AND PREVENTS SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE. THE PRIME CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION AND COMPLIANCE OF THE SWPPP FOR THE ENTIRE CONTRACT. THIS RESPONSIBILITY SHALL BE FURTHER SHARED WITH ALL ITS SUBCONTRACTORS.
5. SIGNED CONTRACTOR AND SUBCONTRACTOR CERTIFICATION STATEMENTS SHALL BE INCLUDED WITH THE SWPPP BOOK.
6. THE WORK SHALL BE DONE IN ACCORDANCE WITH THE SWPPP, THE CONTRACT DRAWINGS, AND SECTION 02120 OF THE PROJECT SPECIFICATIONS. IN THE EVENT OF CONFLICT BETWEEN THESE REQUIREMENTS AND WATER POLLUTION CONTROL LAWS, RULES OR REGULATIONS OF OTHER FEDERAL, STATE OR LOCAL AGENCIES, THE MORE RESTRICTIVE LAWS, RULES OR REGULATIONS SHALL APPLY.
7. A COPY OF THE CONTRACTOR'S ANTICIPATED SEQUENCE OF CONSTRUCTION EVENTS SHOULD BE INCLUDED IN THE SWPPP BOOK.
8. CONTRACTOR SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR THE INSTALLATION OF BMPs IDENTIFIED IN THE SWPPP.

## EROSION AND SEDIMENT CONTROLS:

1. GRANULAR SURFACING SHALL BE INSTALLED AND MAINTAINED AT THE ENTRANCE INTO THE SITE AND ANY IDENTIFIED PARKING AREAS TO CONTROL MUD FROM BEING TRACKED OFF SITE. TRACKING OF SEDIMENTS OFF-SITE WILL BE REDUCED BY AVOIDING VEHICLE TRAFFIC ACROSS WET SURFACE SOILS. IF GRANULAR SURFACING AT THE SITE ENTRANCE DOES NOT EFFECTIVELY PREVENT TRACKING OF MUD FROM THE SITE, THEN VEHICLE TIRES SHALL BE MANUALLY CLEANED TO THE EXTENT PRACTICABLE. CONTRACTOR SHALL REMOVE TRACKED MUD AND SOIL FROM ADJOINING ROADWAYS.
2. WATER SHALL BE APPLIED TO HAUL ROADS AND OTHER DISTURBED EARTHEN SURFACES AS NECESSARY TO CONTROL DUST THROUGHOUT THE CONTRACT PERIOD.
3. WATER PUMPED DURING CONSTRUCTION OPERATIONS SHALL BE HANDLED IN A PROPER MANNER. EROSION AND SCOUR SHALL BE PREVENTED AT POINTS WHERE THE PUMP(S) DISCHARGE. LEVEL SPREADERS, RIP-RAP, AND/OR OTHER ENERGY ABSORBING DEVICES OR APPROPRIATE BMPs SHALL BE USED.
4. EXISTING VEGETATION IN AREAS NOT NEEDED FOR CONSTRUCTION SHALL BE PRESERVED.
5. WHERE INDICATED ON DRAWINGS, SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED AT OR ALONG THE DOWNSTREAM PERIMETER OF THE CONSTRUCTION AREA PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITY.
6. RISERS, INLETS, INTAKES, AND OTHER SUCH WATER-CONVEYING STRUCTURES SHALL BE PROTECTED WITH SILT FENCES, STRAW WATTLES, OR FILTER SOCK AT THE TIME OF THEIR INITIAL INSTALLATION.
7. IN AREAS WHERE PRESENCE OF SILT FENCE, FILTER SOCK OR STRAW WATTLE WILL INTERFERE WITH CONSTRUCTION ACTIVITIES, DIVERSION DITCHES AND TEMPORARY SEDIMENT TRAPS SHALL BE UTILIZED UNTIL THE SILT FENCE OR OTHER PRACTICES CAN BE INSTALLED.
8. LOCATIONS AND QUANTITIES OF BMPs SHOWN ON THE PLAN ARE APPROXIMATE. ACTUAL LOCATIONS OR QUANTITIES ARE TO BE DETERMINED IN THE FIELD WITH THE APPROVAL OF THE DIVISION OR THE PROJECT ENGINEER.
9. AS THE WORK PROGRESSES, ADDITIONAL EROSION CONTROL MEASURES DEEMED NECESSARY, AS DETERMINED BY THE DIVISION OR ENGINEER AFTER INVESTIGATION, SHALL BE FURNISHED, INSTALLED AND MAINTAINED BY THE CONTRACTOR.
10. IF CONSTRUCTION ACTIVITY IS NOT PLANNED TO OCCUR IN A DISTURBED AREA FOR AT LEAST TWENTY-ONE (21) DAYS, THE AREA SHALL BE STABILIZED AS SOON AS PRACTICABLE AND WITHIN FOURTEEN (14) DAYS FOLLOWING THE LAST DISTURBANCE (UNLESS THE GROUND IS FROZEN OR SNOW COVERED) BY SURFACE ROUGHENING, TEMPORARY SEEDING, OR OTHER APPROVED METHOD.
11. EROSION CONTROL MEASURES BY THE CONTRACTOR SHALL CONTINUE UNTIL VEGETATIVE GROUND COVER IS ESTABLISHED AND ACCEPTED BY THE DIVISION.

## OTHER POLLUTION CONTROLS:

1. THE CONTRACTOR SHALL MAINTAIN THE CONSTRUCTION SITE FREE OF ALL WASTES INCLUDING LITTER, USED PARTS, USED OIL AND CONTAINERS, TIRES, AND ANY OTHER WASTES GENERATED BY CONSTRUCTION ACTIVITIES. SANITARY WASTE GENERATED ON SITE SHALL BE TREATED AND DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS. CONTRACTOR DISPOSAL OF UNUSED CONSTRUCTION MATERIALS AND WASTES SHALL ALSO COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS.
2. CONCRETE WASHOUT RESIDUE SHOULD BE CONTAINED AND HAULED OFF SITE ONCE IT HARDENS. AREAS WHERE CONCRETE WASHOUT OCCURS SHALL BE FILLED AND STABILIZED.

## TOPSOIL PRESERVATION:

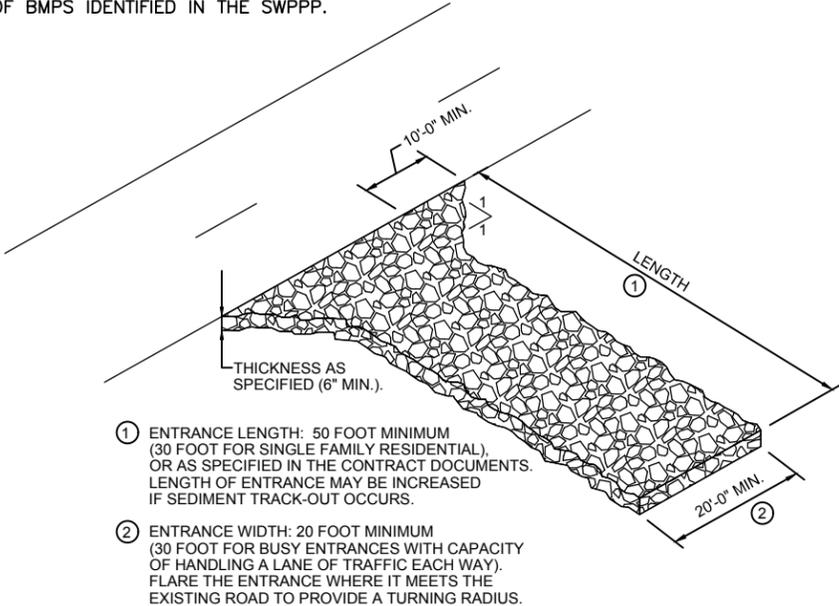
THE SITE IS AN ABANDONED COAL MINE RECLAMATION PROJECT; NO TOPSOIL EXISTS PRIOR TO RECLAMATION-RELATED CONSTRUCTION ACTIVITIES. THEREFORE, THE TOPSOIL PRESERVATION REQUIREMENT WILL NOT BE MET. THE SITE CONSISTS OF MINE SPOIL MATERIAL CLASSIFIED AS MINE PITS AND DUMPS - SOIL TYPE 502 ON USDA SOIL SURVEY MAPS. AFTER FINAL GRADE IS ACHIEVED, AGRICULTURAL LIME WILL BE APPLIED AT A RATE TO BE DETERMINED BY SOIL TESTS. THE AGRICULTURAL LIME, ALONG WITH 5 TONS OF MULCH WILL BE INCORPORATED INTO THE UPPER ONE (1) FOOT OF THE MINE SPOIL TO PRODUCE A GROWING MEDIUM AS OUTLINED IN PROJECT SPECIFICATION 02400. AFTER A PERIOD OF TIME TO ALLOW FOR NEUTRALIZATION AND MULCH DECOMPOSITION, THE SITE WILL BE PREPARED FOR SEEDING. AGRICULTURAL LIME, FERTILIZER, SEED AND CRIMPED MULCH WILL BE APPLIED AS OUTLINED IN PROJECT SPECIFICATION 02700.

## INSPECTIONS:

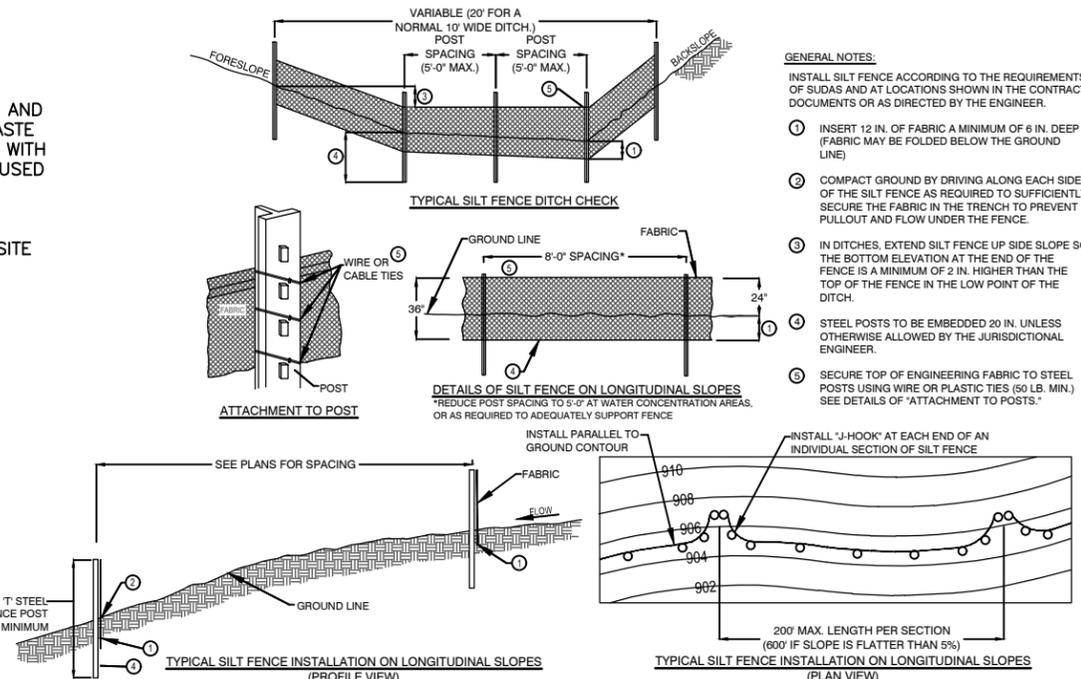
1. SITE INSPECTION IS THE RESPONSIBILITY OF THE CONTRACTOR AND IT SHALL BE PERFORMED BY QUALIFIED PERSONNEL UNDER HIS OR HER INSTRUCTION. INSPECTIONS SHALL BE PERFORMED ONCE EVERY SEVEN (7) DAYS.
2. ALL INSTALLED BMPs SHALL BE INSPECTED FOR CONDITION AND EFFECTIVENESS.
3. SITE INSPECTION REPORTS SHALL BE PROPERLY SIGNED BY THE PERSON CONDUCTING THE INSPECTION. THE REPORT SHALL INCLUDE:
  - A) DATE, NAME AND TITLE/POSITION OF THE INSPECTOR;
  - B) WEATHER INFORMATION;
  - C) LOCATION OF SEDIMENT/POLLUTANT DISCHARGE(S);
  - D) BMPs THAT ARE NEEDED, REQUIRE MAINTENANCE, OR HAVE FAILED;
  - E) CORRECTIVE ACTIONS REQUIRED
  - F) CHANGES/UPDATES TO THE SWPPP.
4. THE FINDINGS OF EACH INSPECTION SHALL BE RECORDED AND KEPT AT THE SITE IN THE SWPPP BOOK. THE CONTRACTOR SHALL BEGIN CORRECTIVE ACTION ON ALL DEFICIENCIES FOUND AS SOON AS PRACTICABLE.
5. THE SWPPP MAY BE REVISED BASED ON FINDINGS OF THE INSPECTIONS. SUCH REVISIONS SHALL BE MADE WITHIN SEVEN (7) DAYS OF THE INSPECTION. THE CONTRACTOR SHALL IMPLEMENT ALL REVISIONS.
6. COPIES OF INSPECTION REPORTS WILL BE RETAINED WITH THE SWPPP FOR THREE (3) YEARS FROM THE DATE THE PERMIT COVERAGE TERMINATES.

## MAINTENANCE:

1. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN PROPER WORKING ORDER FOR THE DURATION OF THE CONTRACT. IF A MEASURE IS NO LONGER NEEDED AS DETERMINED BY THE DIVISION OR ENGINEER, IT SHALL BE REMOVED. MAINTENANCE INCLUDES CLEANING, REPAIRING, OR REPLACING AS REQUIRED. IN GENERAL, MAINTENANCE SHALL BE PERFORMED PRIOR TO THE NEXT ANTICIPATED STORM EVENT.
2. REMOVE SEDIMENT FROM SEDIMENT TRAPS, DITCHES, AND SILT FENCE WHEN THEIR INSTALLED CAPACITY IS REDUCED BY FIFTY (50) PERCENT OR MORE.



**1** STABILIZED CONSTRUCTION ENTRANCE  
NOT TO SCALE



**2** SILT FENCE INSTALLATION  
NOT TO SCALE

### GENERAL NOTES:

1. INSTALL SILT FENCE ACCORDING TO THE REQUIREMENTS OF SDAS AND AT LOCATIONS SHOWN IN THE CONTRACT DOCUMENTS OR AS DIRECTED BY THE ENGINEER.
2. INSERT 12 IN. OF FABRIC A MINIMUM OF 6 IN. DEEP (FABRIC MAY BE FOLDED BELOW THE GROUND LINE)
3. COMPACT GROUND BY DRIVING ALONG EACH SIDE OF THE SILT FENCE AS REQUIRED TO SUFFICIENTLY SECURE THE FABRIC IN THE TRENCH TO PREVENT PULLOUT AND FLOW UNDER THE FENCE.
4. IN DITCHES, EXTEND SILT FENCE UP SIDE SLOPE SO THE BOTTOM ELEVATION AT THE END OF THE FENCE IS A MINIMUM OF 2 IN. HIGHER THAN THE TOP OF THE FENCE IN THE LOW POINT OF THE DITCH.
5. STEEL POSTS TO BE EMBEDDED 20 IN. UNLESS OTHERWISE ALLOWED BY THE JURISDICTIONAL ENGINEER.
6. SECURE TOP OF ENGINEERING FABRIC TO STEEL POSTS USING WIRE OR PLASTIC TIES (50 LB. MIN.) SEE DETAILS OF "ATTACHMENT TO POSTS."

FILE: 049.002

REVISED:

09-21-16

ISSUED:

LTL

CHKD BY:

BAY

DRAWN BY:

LTL

DESIGN BY:

LTL

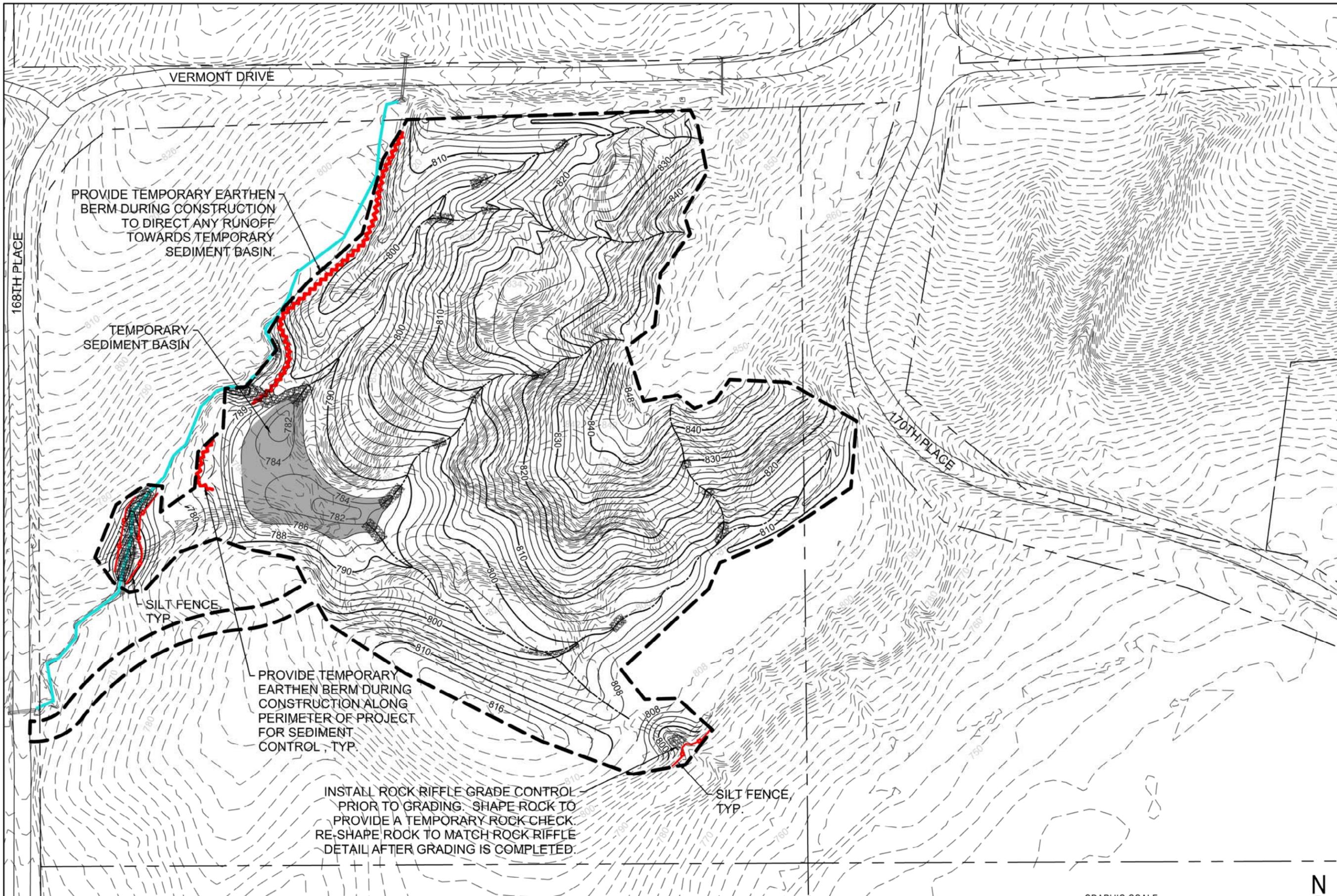


DIVISION OF SOIL CONSERVATION  
AND WATER QUALITY  
IOWA DEPARTMENT OF AGRICULTURE  
AND LAND STEWARDSHIP  
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(515)281-4246



BROWN (IA-133)  
AML RECLAMATION PROJECT

SWPPP DESCRIPTION



**NOTES:**  
 1. CONTRACTOR SHALL MAINTAIN ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION, PER SWPPP. INCLUDING: STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE, TEMPORARY EARTHEN BERMS, AND TEMPORARY SEDIMENT BASINS.



DESIGN BY: LTL	DRAWN BY: BAY	CHKD. BY: LTL	ISSUED: 09-21-16	REVISED:	FILE: 049.002
<b>BROWN (IA-133)</b> <b>AML RECLAMATION PROJECT</b>			DIVISION OF SOIL CONSERVATION AND WATER QUALITY IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP HENRY A. WALLACE BUILDING 502 E. 9th STREET, DES MOINES, IOWA 50316 (515)281-4246		
<b>SWPPP DESIGN</b>					
SHEET <b>15</b> OF <b>15</b>					