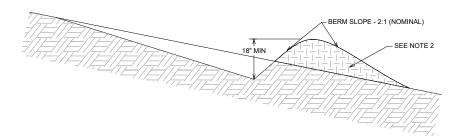


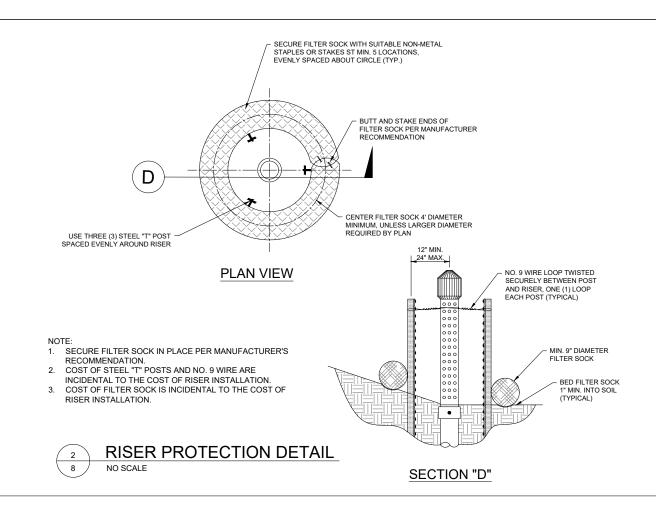
 BERM CONSTRUCTION AS SEDIMENT CONTROL IS INCIDENTAL TO EXCAVATION BID ITEM.

 BERM MATERIAL TO BE COMPACTED EARTH, COMPOST, OR WOOD CHIP MULCH.



TYPE 3 DITCH/BERM DIVERSION

8 NO SCALE



Thickness as specified (6" min.).

1 Entrance length: 50 foot minimum, or as specified in the contract documents. Length of entrance may be increased if sediment track-out occurs.

2 Refer to supplemental construction specifications for entrance stone material. Estimate 30 tons.

STABILIZED CONSTRUCTION ENTRANCE

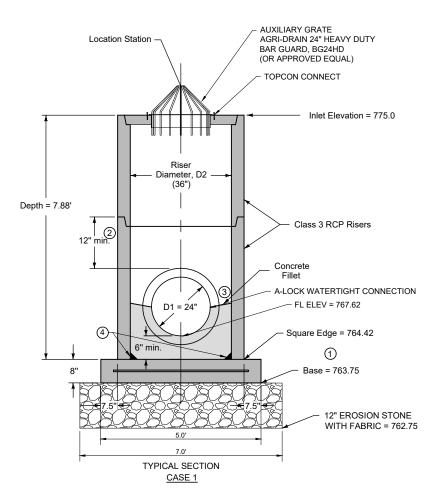
NO SCALE

DATE: IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP DIVISION OF SOIL CONSERVATION AND WATER QUALITY CONSERVATION
ROUALITY
FFICE BUILDING REVISED: : 07-18-2025 ISSUED: SHS DRAWN BY: FEAGINS LAMATION I DESIGN DETAILS DESIGN

SHEET

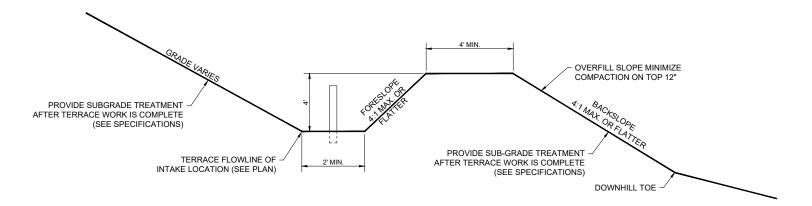
of **2**(

- Precast: 6 inch thick concrete with #6 welded wire mesh on 4 inch centers (WWF 4" x 4").
 Center mesh vertically within base.
- Cast-in-place: 8 inch thick non-reinforced concrete.
- 2 12 inch minimum riser height above all pipes.
- ③ "Watertight connection" by A-Lok, Quick-Lok boot connector or approved equal.
- 4 Calk or seal joint between base and walls if not precast.

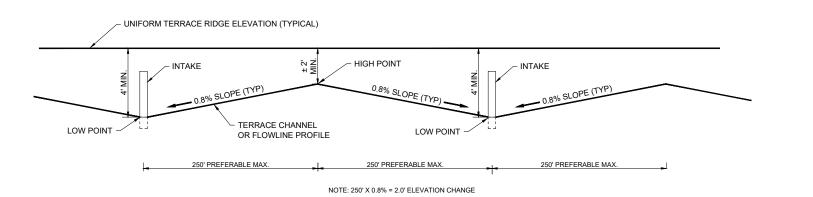


OVERFLOW STRUCTURE DETAIL, SW-512

NO SCALE







GRADED TERRACE DETAIL - FRONT VIEW

9 NO SCALE

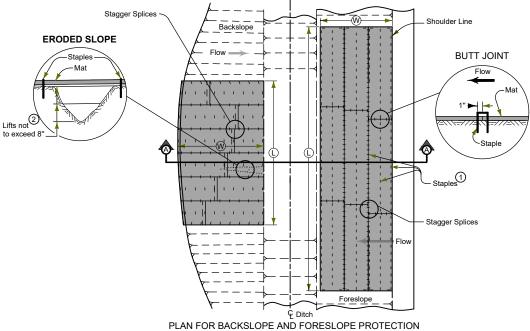
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RECLAMATION PROJECT DRAWN BY: DESIGN DETAILS DESIGN BY: SHEET

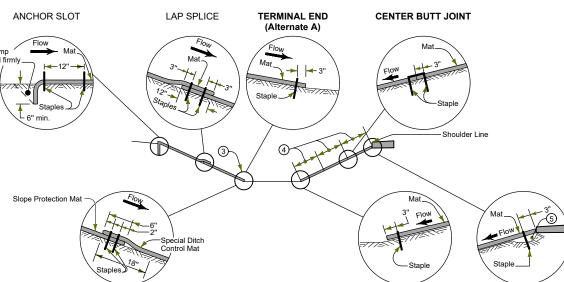
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of **2**







SECTION A-A

The work of providing suitable earth surface for placement of slope protection is incidental to preparation of seedhed

TERMINAL END

(Alternate B)

Ensure that ground surfaces adjacent to any channels are shaped to facilitate natural drainage into the protected area.

Excelsior mat for backslope protection is installed with strips placed approximately perpendicular to roadway. Locations for slope protection are shown on detail plans

Excelsior mat for foreslope protection is installed with strips placed approximately parallel to roadway. The location, width, and number of strips are specified on project plans.

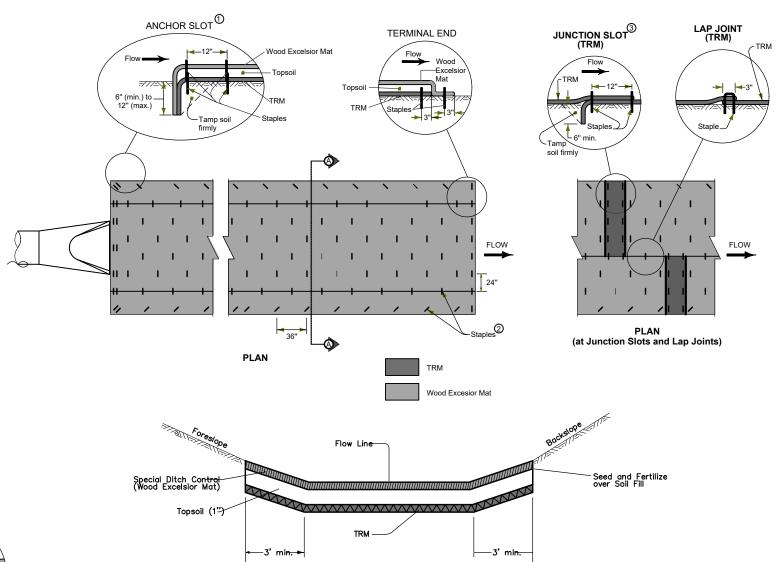
Space top row of staples at 18 inch centers, bottom row at 36 inch centers, and all others at 24 inch centers.
 Approximately 30 staples required per square (100 sq. ft) of wood excelsior mat.

UPSIDE TERMINAL

DOWNSIDE TERMINAL

- Where erosive gullies have developed in backslope, fill with soil and compact prior to placement of mat.
- Where excelsior mat is to be placed as Special Ditch Control, install slope protection to facilitate placement of the ditch control as indicated (Alternate B). Where there is no Special Ditch Control, install slope protection as shown (Alternate A).
- 4 feet unless specified otherwise for foreslope protection.
- (5) If erosive rill has developed adjacent to shoulder material, fill with suitable soil and compact prior to placement of mat.



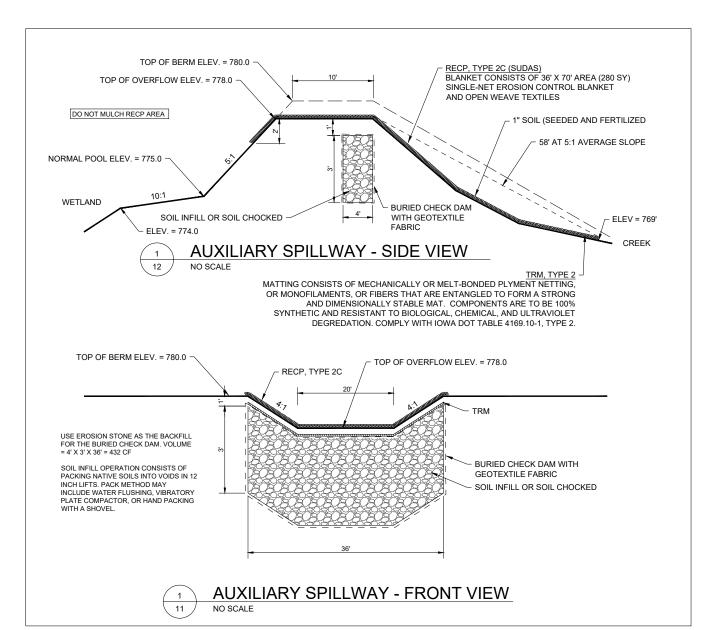


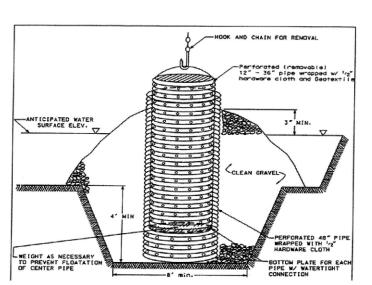
SECTION A-A

- ① Install anchor slot at the beginning (upstream end) of all mat installations.
- ② Place staples alternately in rows approximately 24 inches apart. Approximately 30 staples required per square (100 sq. ft.) of each type of mat.
- 3 Stagger Junction Slots.

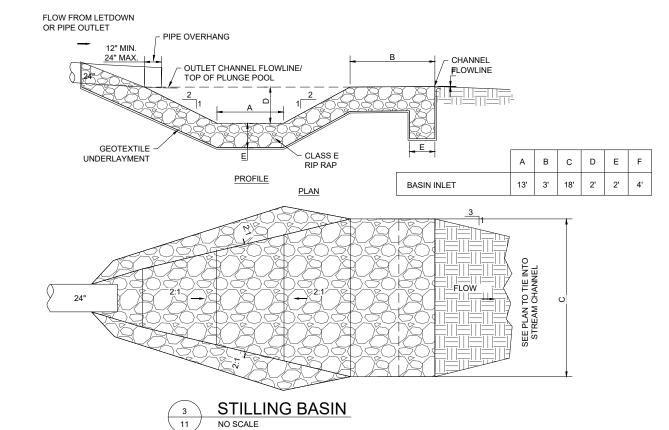


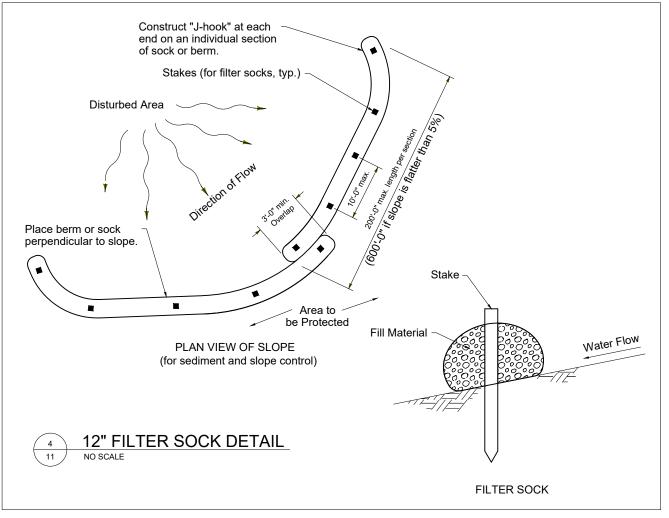
DATE: IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP DIVISION OF SOIL CONSERVATION REVISED: : 07-18-2025 ISSUED: SHZ B PROJECT DRAWN BY: FEAGINS LAMATION F DESIGN DETAILS RECL DESIGN SHEET 10 of 20





EXAMPLE TEMPORARY DEWATERING STATION (FOR REFERENCE ONLY





SHEET 11 OF 20

FEAGINS LAMATION PROJECT

RECL

DESIGN DETAILS

DRAWN BY:

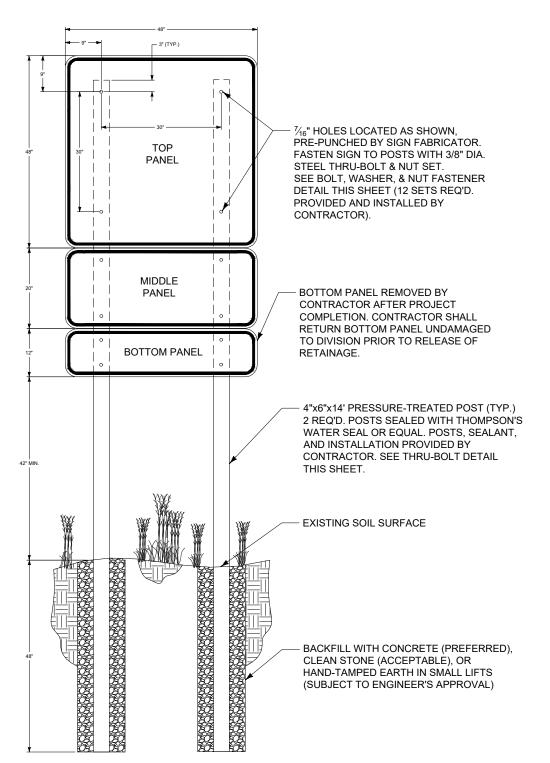
DESIGN

DATE:

IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP DIVISION OF SOIL CONSERVATION

07-18-2025





TOP PANEL (4' x 4') 0.080" ALUMINUM SUBSTRATE

SITENAME ABANDONED COAL MINE RECLAMATION SITE SPONSORED BY IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP DIVISION OF SOIL CONSERVATION AND WATER QUALITY DFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMEN GRANT NO. xxxxxxxx ENGINEERING BY: SLIDE RULES RULE ANYTOWN, USA

MIDDLE PANEL (1'-8" x 4') 0.080" ALUMINUM SUBSTRATE

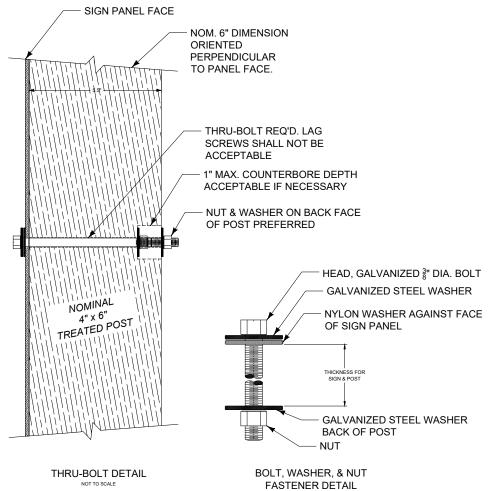
YZ EARTHWORKS SITY,STATE

PARTNERSHIP SIGN (BY OTHERS)

BOTTOM PANEL (1' x 4') 0.080" ALUMINUM SUBSTRATE

--- HARD HAT AREA ---UNAUTHORIZED ENTRY PROHIBITED

** 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
- 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 APPROVAL OF DIVISION AND ENGINEER 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.

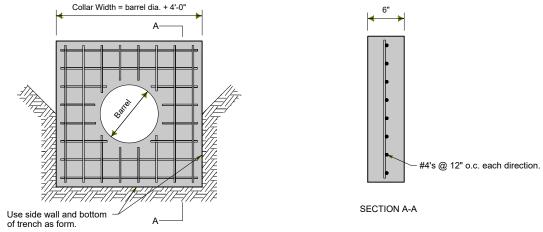
DATE REVISION IOWA DEPARTMENT OF AGRICULTURE
AND LAND STEWARDSHIP
DIVISION OF SOIL CONSERVATION
AND WATER QUALITY
HOOVER STATE OFFICE BUILDING
1305 E. WALNUT S. FIFTH FLOOR, DES MOINES, IA.
(516) 281-4246 REVISED: 07-18-2025 ISSUED: FEAGINS
RECLAMATION PROJECT DRAWN BY PROJECT SIGN DETAILS DESIGN

VERSION DATE: 03-27-2025

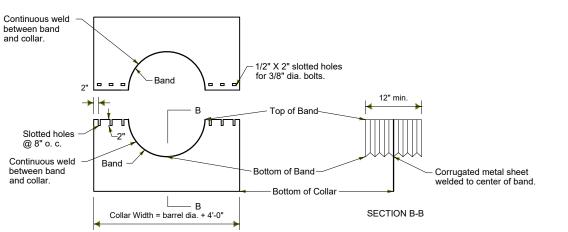
OVERFLOW STRUCTURE/PIPE PROFILE

NO SCALE

SUDAS FIGURE 9040.17



CONCRETE COLLAR



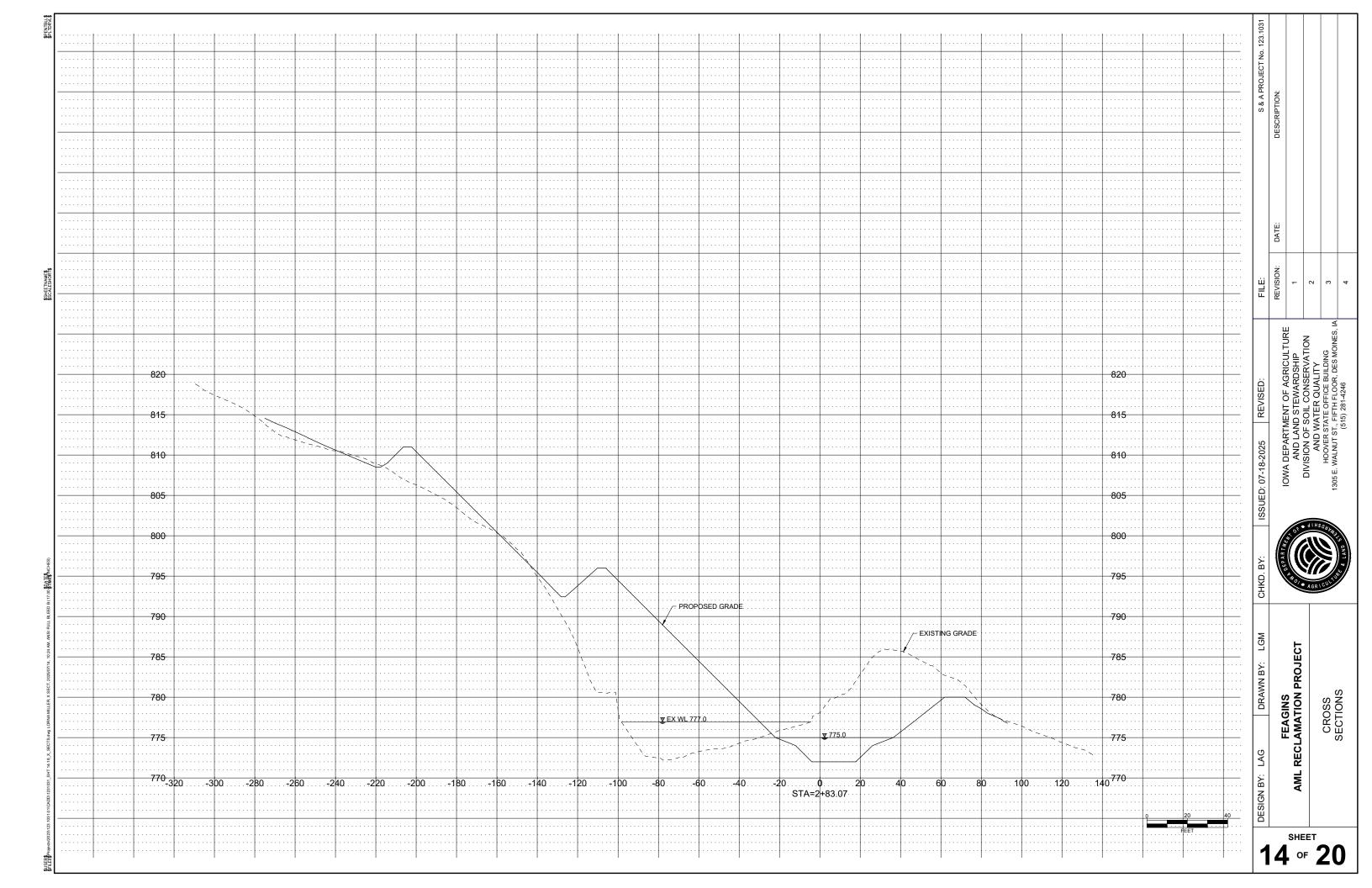
CMP COLLAR

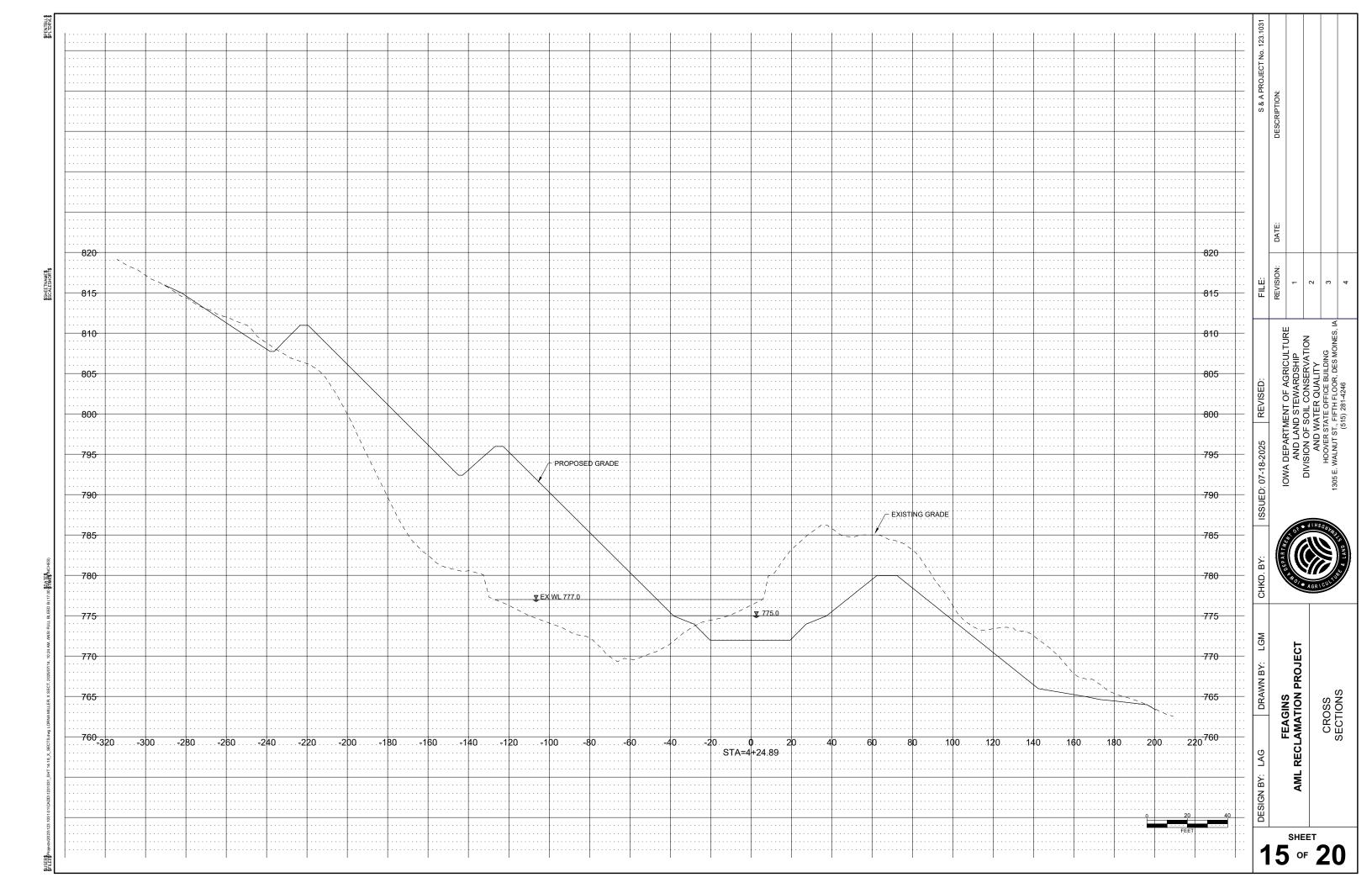
ANTI-SEEP COLLAR NO SCALE

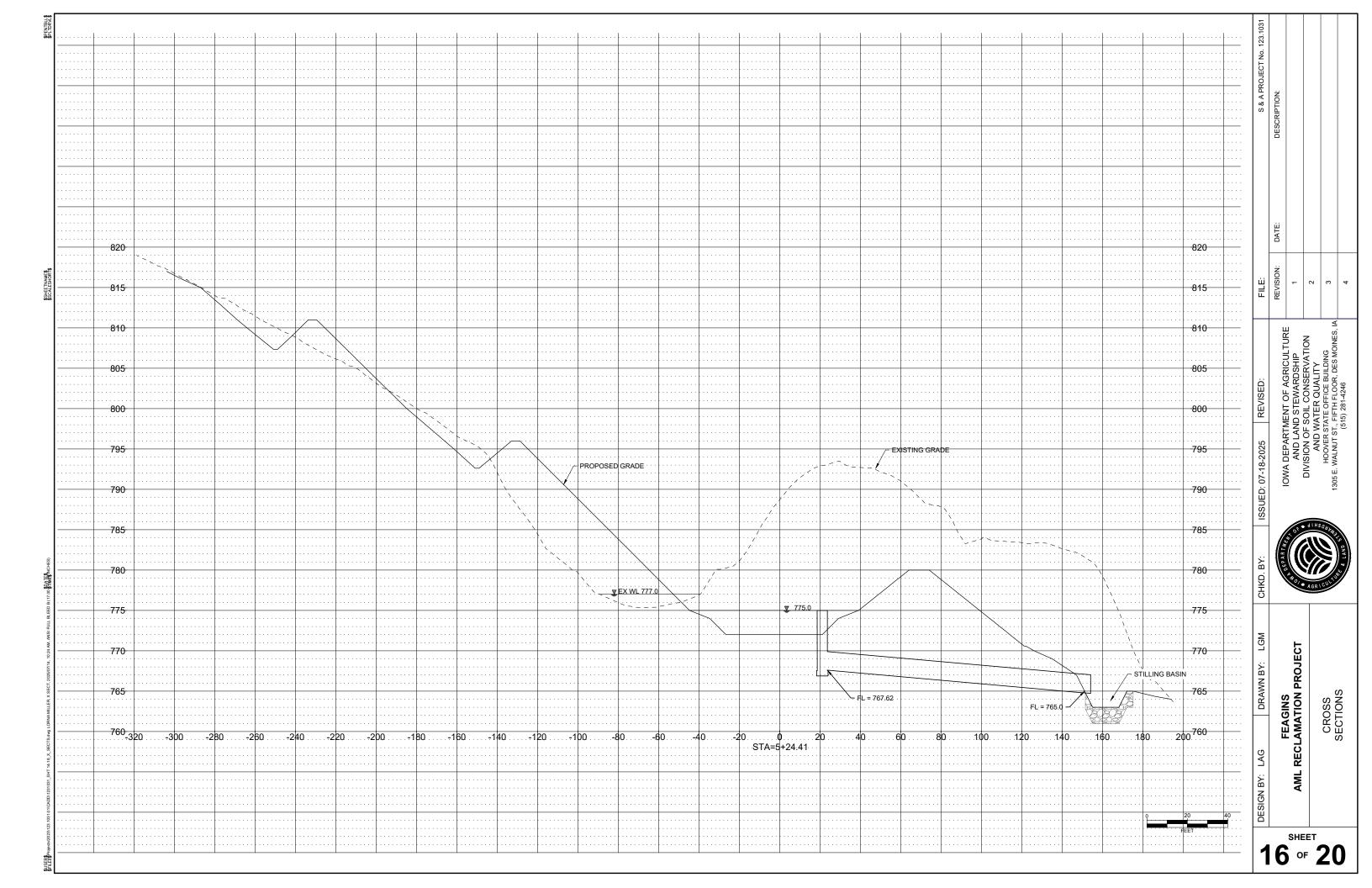
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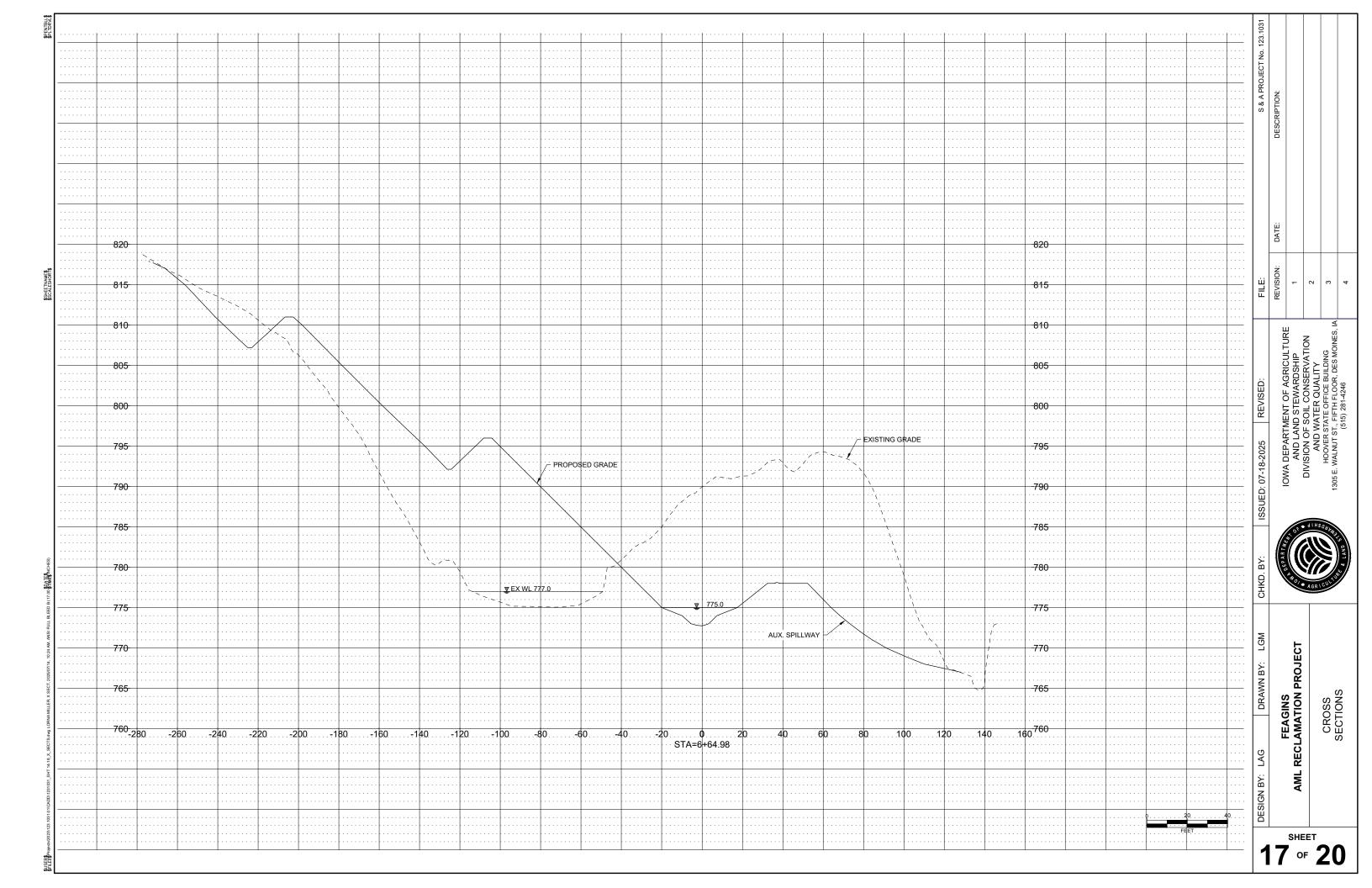
PRE-MADE ANTI-SEEP COLLARS FOR PLASTIC PIPE EXIST, SUCH AS BY SCHEIB AND OTHERS, IN STANDARD SIZE OF 6' X 6' FOR 24" PIPE. CONTRACTOR TO SUBMIT SHOP DRAWINGS 14 DAYS PRIOR TO INSTALLATION FOR APPROVAL.

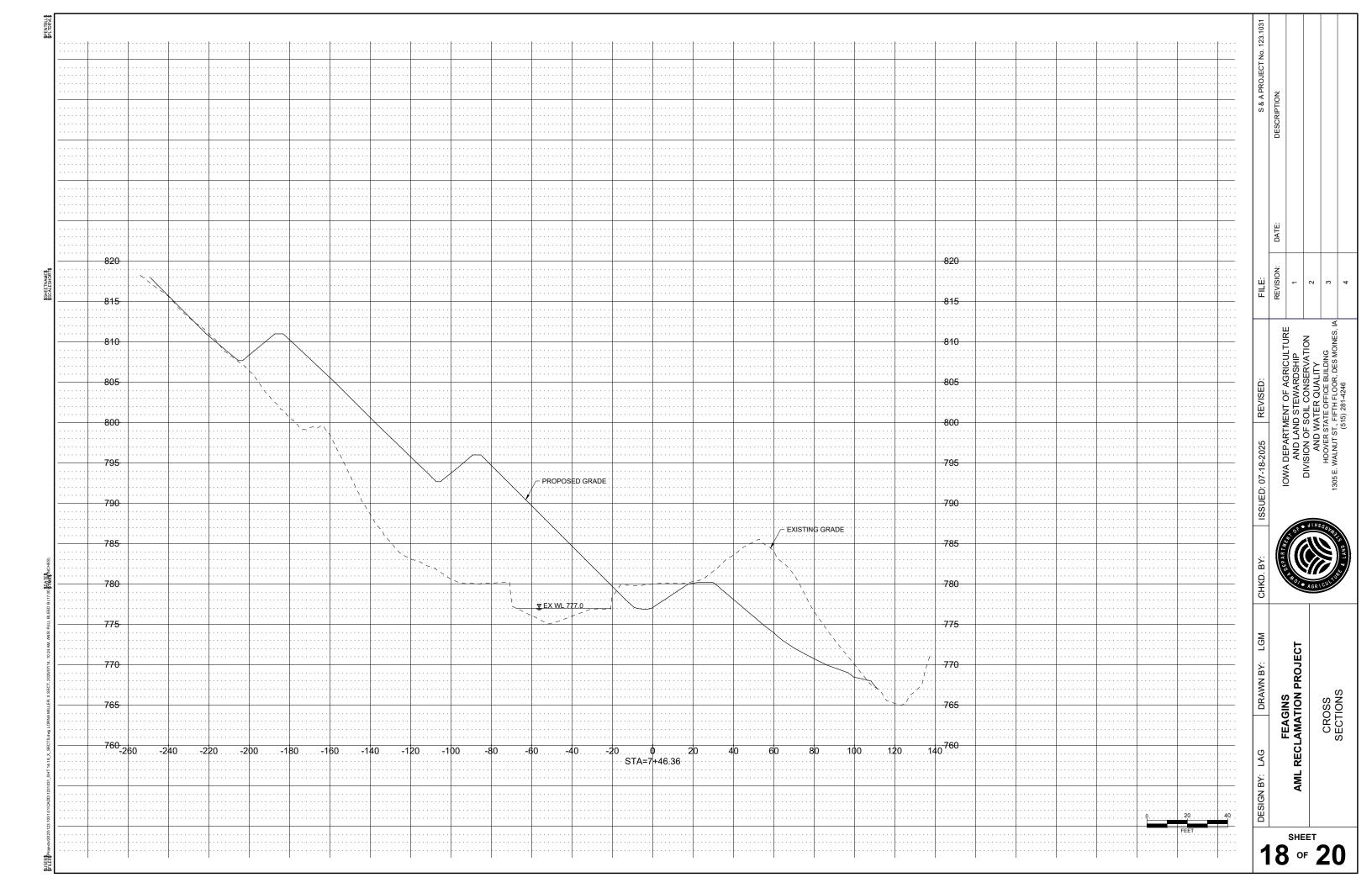
DESCRIPTION DATE: IOWA DEPARTMENT OF AGRICULTURE
AND LAND STEWARDSHIP
DIVISION OF SOIL CONSERVATION
AND WATER QUALITY
HOOVER STATE OFFICE BUILDING
1305 E. WALNUT ST., FIFTH FLOOR, DES MOINES, IA
(515) 281-4246 REVISED: ISSUED: 07-18-2025 CHKD. FEAGINS
RECLAMATION PROJECT DRAWN BY: DESIGN DETAILS DESIGN BY: 13 of 20











A. DESCRIBE NATURE OF CONSTRUCTION ACTIVITY

- THE PROJECT CONSISTS OF RECLAIMING THE AML SITES DISTURBED BY PAST COAL MINING ACTIVITIES.
 THE MAIN OBJECTIVE OF THE AML RECLAMATION IS TO MITIGATE PRIORITY FEATURES THAT PRESENT A
 DANGER TO THE HEALTH AND SAFETY OF THE GENERAL PUBLIC.
- THE MAJOR PHASES OF THE PROJECT ARE TEMPORARY EROSION CONTROL; ROUGH GRADING; LIME TREATMENT OF SURFACE SOILS, FERTILIZING, MULCHING, PERMANENT SEEDING INCLUDING INSTALLATION OF PERMANENT EROSION CONTROL PRACTICES LIKE TURF GRASS.
- END USE OF SITE IS: PRIVATELY OWNED PASTURE, FARM, RANCH LAND
- THE ESTIMATED PROJECT TIMELINE IS: UNKNOWN

B. ESTIMATE THE TOTAL AREA OF THE SITE AND THE AREA EXPECTED TO BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES:

• 6.07 ACRES DISTURBED BY MASS GRADING.

C. ESTIMATE THE SOIL RUNOFF COEFFICIENT OF THE SITE AFTER CONSTRUCTION IS COMPLETED, AND DESCRIBE THE WATER QUALITY OF ANY EXISTING DISCHARGE FROM THE SITE.

- THE SCS RUNOFF COEFFICIENT FOLLOWING THE ESTABLISHMENT OF FINAL VEGETATION IS ESTIMATED TO BE ABOUT 72.
- ON JANUARY 4TH, 2024, THE EXISTING WATER BODY HAD AN AVERAGE pH OF 6.9 AND TOTOAL IRON WAS 2.82 mg/L. THESE LEVELS FALL WITHIN ACCEPTABLE LEVELS AND GENERALLY DO NOT PRESENT A DANGER TO PEOPLE OR THE ENVIRONMENT.

D. PROVIDE A SITE MAP SATISFYING REQUIREMENTS DESCRIBED IN PART IV. D.1.A.D.:

• SEE BMP PLAN SHEET 20 FOR CONTROLS THAT WILL BE IMPLEMENTED. PERIMETER EROSION CONTROLS INCLUDE FILTER SOCKS, SILT FENCE, AND DIVERSION BERMS. THE TEMPORARY STREAM CROSSING FOR THE ACCESS ROAD INCLUDES CULVERTS SIZED TO PASS FLOW FROM RUNOFF FOR THE 5 YEAR RAINFALL EVENT

E. PROVIDE NAME OF THE RECEIVING WATER(S) AND THE ULTIMATE RECEIVING WATERS(S).

• THE RECEIVING WATER BODY IS UN-NAMED TRIBUTARY TO THE NORTH CEDAR CREEK.

2. CONTROLS -- A.(1) STABILIZATION PRACTICES:

DESCRIBE TEMPORARY & PERMANENT STABILIZATION PRACTICES WITH SEQUENCE FOR IMPLEMENTATION.

- 1. TEMPORARY: AREAS TO BE GRADED AND LEFT UNDISTURBED FOR 21 OR MORE CALENDAR DAYS WILL BE ROUGH DISKED ON THE CONTOUR TO INCREASE SURFACE ROUGHNESS THEREBY DECREASING RUNOFF VELOCITIES AND ENCOURAGING INFILTRATION INTO THE SOIL. ROUGH DISKING WILL BE USED EXCLUSIVELY PRIOR TO SEEDING THE FINAL VEGETATION. ROUGH DISKING IS USUALLY CONCURRENT WITH THE INCORPORATION OF THE AG-LIME DURING PREPARATION OF THE SUBGRADE.
- 2. ONCE ALL GRADING IS COMPLETE, AND THE SOIL pH ADJUSTMENT HAS BEEN ACCOMPLISHED, A PERMANENT SEEDING MIXTURE CONSISTING OF WARM AND COOL SEASON GRASSES WILL BE PLANTED WITH A COVER CROP OF OATS, WINTER WHEAT OR CEREAL RYE DEPENDING UPON THE SEASON WHEN SEEDING TAKES PLACE. THIS SEEDING WILL GERMINATE AND PROVIDE AT LEAST 70% VEGETATIVE COVER.
- 3. APPROXIMATELY 2 TONS OF STRAW MULCH PER ACRES WILL BE SPREAD ACROSS THE SEEDED SOIL AND TUCKED IN (PUNCHED) WITH A TUCKING MACHINE TO PROVIDE SOME PROTECTION FROM RAIN DROPLET IMPACTS.

A.(2) <u>STRUCTURAL PRACTICES</u> DESCRIBE EROSION AND SEDIMENT CONTROL PRACTICES THAT WILL USED ON THE SITE:

EROSION CONTROL PRACTICES

EROSION CONTROL PRACTICES CONSIST OF:

- 1. ROUGH DISKING AS DESCRIBED IN "STABILIZATION PRACTICES" ABOVE WILL BE USED AS NECESSARY TO REDUCE SURFACE RUNOFF VELOCITIES AND INCREASE
- 2. TERRACES WILL BE USED TO REDUCE SLOPE LENGTHS AND DETAIN/RETAIN STORMWATER RUNOFF. TERRACES WILL BE DRAINED WITH PERFORATED PLASTIC DISERS.
- AT TILE DRAINAGE OUTLETS, RIP RAP APRONS WILL BE USED TO DISSIPATE ENERGY OF THE FLOWING STORM WATER RUNOFF.

A.(2) STRUCTURAL PRACTICES CONT'D:

DESCRIBE EROSION AND SEDIMENT CONTROL PRACTICES THAT WILL USED ON THE SITE:

SEDIMENT CONTROL PRACTICES:

- FILTER SOCKS, SILT FENCE AND SHALLOW DIVERSION BERMS ACTING AS SEDIMENT TRAPS WILL BE USED ALONG THE PERIMETERS OF THE DISTURBED AREAS AS NECESSARY TO PREVENT MIGRATION OF SEDIMENT INTO THOSE WATERS LOCATED OUTSIDE OF THE PROJECT BOUNDARY.
- . SILT FENCE, FABRIC CHECKS, AND FILTER SOCK CHECKS AND SHALLOW DITCHES WILL BE INSTALLED UPSTREAM OF DRAINAGE WAYS AS NECESSARY TO TRAP SEDIMENT TRANSPORTED FROM THE SITE'S SLOPES DURING CONSTRUCTION.
- 3. ONE LAND LOCKED DEPRESSION BASIN WILL BE CONSTRUCTED WHICH COLLECTS APPROXIMATELY 80% OF THE SURFACE RUNOFF WITHIN THE WORK AREA AS SHOWN ON THE PLANS. AS THIS WATER BODY IS CONSTRUCTED, IT WILL BEGIN TO RETAIN SEDIMENT ERODED FROM THE UPLAND SLOPES. THE WETLAND BASIN WILL BE CLEANED IF EXCESSIVE DEPOSITION OCCURS PRIOR TO PROJECT COMPLETION AND IT WILL BE CONVERTED INTO A PERMANENT WETLAND. SEDIMENT CLEARED OUT WILL BE RE-SPREAD ONTO THE SURROUNDING AREAS.
- 4. ALL PROPOSED PERMANENT WETLAND OUTLETS ARE PROTECTED FROM EROSION THROUGH THE USE OF PRE-CAST RISER PIPES CONTROLLING THE DISCHARGE. IN ADDITION, THE OUTLET PIPE FROM THE WETLAND HAS A SUNKEN RIP RAP APRON THAT WILL DISSIPATE ENERGY ACTING AS A PLUNGE POOL. AFTER TREE CLEARING, TEMPORARY EROSION CONTROLS INCLUDE 12" FILTER SOCKS AND/OR SILT FENCE LOCATED BETWEEN THE ACTIVE WORK AREAS AND THE STREAM CHANNEL. ALSO, AN EARTHEN BERM DIVERSION WILL BE INSTALLED ON THE TOP OF THE WEST SLOPE TO DIVERT RUNOFF AROUND THE ACTIVE DELINEATED AREAS. FILTER SOCKS WILL BE INSTALLED AROUND THE HICKENBOTTOM INLETS WITH THE TERRACES. PERMANENT FEATURES INCLUDE RIP RAP APRONS LOCATED AT OUTLET PIPES, A DEPRESSED STILLING BASIN IS LOCATED AT THE OUTLET OF THE WETLAND AND RECP IN CONJUNCTION WITH A BURIED ROCK WEIR SERVES TO PROTECT THE OVERFLOW OF THE WETLAND IN CONJUNCTION WITH TUFF ESTABLISHMENT. A STABILIZED CONSTRUCTION ENTRANCE PAD WILL BE INSTALLED ADJACENT TO THE PUBLIC ROAD.

A.(2)(a). DESCRIBE PRACTICES WHICH PROVIDE AT LEAST 3600 CUBIC FEET OF STORAGE PER [DISTURBED] ACRE FOR COMMON DRAINAGE LOCATIONS SERVING MORE THAN TEN (10) ACRES OF DISTURBED AREA:

N/A

A.(2)(b). DESCRIBE PRACTICES WHICH ARE USED TO RETAIN SEDIMENT ON SITE FOR COMMON DRAINAGE LOCATIONS SERVING TEN (10) OR FEWER ACRES OF DISTURBED AREA:

THE CREATION OF THE 0.73 ACRE POND YIELDS 1.42 ACRE-FEET OF STORAGE VOLUME, OR , 12,700 CUBIC FEET PER DISTURBED ACRE DRAINED. DRAINAGE LOCATIONS SERVING 10 OR FEWER ACRES WILL BE PROTECTED FROM SEDIMENTATION BY THE SILT FENCES AND FILTER SOCKS TO ARREST EROSION AND MIGRATION OF SEDIMENT MOVEMENT FROM THE SITE.

A.(2)(c). SURFACE WATER WITHDRAWAL, SURFACE WATER BUFFERS, STORM WATER DISCHARGE INTO VEGETATED AREAS, & TOPSOIL PRESERVATION:

i. DESCRIBE OUTLETS THAT WITHDRAW WATER FROM SURFACE OF BASINS:

THE SITE IS AN ABANDONED COAL MINE RECLAMATION PROJECT; NO TOPSOIL EXISTS PRIOR TO RECLAMATION ACTIVITIES. THEREFORE THE TOPSOIL PRESERVATION REQUIREMENT CANNOT BE MET. THE SITE CONSISTS OF MINE SPOIL PILES CLASSIFIED AS MINE PITS AND DUMPS-SOIL TYPE 502 USDA SOIL SURVEY MAPS. AFTER FINAL GRADE IS ACHIEVED, AG-LIME, ALONG WITH 5 TONS OF MULCH WILL BE INCORPORATED INTO THE UPPER 1-FOOT TO ENCOURAGE ESTABLISHMENT OF A GROWING MEDIUM.

ii. DESCRIBE NATURAL BUFFERS AROUND SURFACE WATERS:

THE UN-NAMED TRIBUTARY WILL NOT BE DISTURBED AS THE SILT FENCE AND/OR FILTER SOCKS WILL BE PLACED TO INTERCEPT RUNOFF BETWEEN THE STREAM AND ACTIVE WORK AREA. THE LANDCOVER OF THE AREA IN BETWEEN CONSISTS OF PRAIRIE GRASSES, SHRUBS, AND FORBS.

iii. REDIRECTION OF STORM WATER DISCHARGES TO AND THROUGH VEGETATED AREAS FOR INCREASED SEDIMENT REMOVAL AND OPPORTUNITY FOR INFILTRATION TO THE SOIL.

WHERE PRACTICAL OFFSITE AND ONSITE RUNOFF FLOWS ARE DIRECTED INTO SHALLOW SWALES, TERRACES. AND THE DETENTION BASIN (CONSTRUCTED WETLAND).

iv. 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.

B(1). DESCRIBE POST-CONSTRUCTION PRACTICES THAT WILL ATTENUATE PEAK RUNOFF FLOWS AND REDUCE SUSPENED SOLIDS IN WATER FLOWS:

THE PROPOSED WET AREA DEPRESSION (0.73 ACRES) IS LAND LOCKED AND WILL ONLY DISCHARGE WHEN THE POND SURCHARGES FROM A RAINFALL EVENT. THE OUTLET STRUCTURE IS DESIGNED TO PROVIDE A PERMANENT POOL ELEVATION OF 3 FEET. 85% OF THE DISTURBED AREA DRAINS INTO WET THE REMAINDER OF THE SITE'S OVERLAND FLOWS ONTO SLOPES THAT HAVE TURF ESTABLISHED.

B.(2). DESCRIBE TYPE AND LOCATION OF VELOCITY DISSIPATION DEVICES:

SMALL RIP RAP APRONS ARE USED AT THE ENDS OF THE DISCHARGE PIPES DRAINING INTO THE POND FROM THE TERRACES. A DEPRESSED STILLING BASIN LINE WITH RIP RAP DISSIPATES ENERGY FROM THE 24" DIAMETER DISCHARGE PIPE FROM THE WET BASIN.

C.(1). <u>WASTE DISPOSAL</u> -- DESCRIBE HOW BUILDING MATERIALS WASTE WILL BE ADDRESSED ON THE SITE:

THIS PROJECT IS PRIMARILY A GRADING AND DRAINAGE PROJECT. BUILDING MATERIALS WASTES INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO, CARDBOARD PACKAGING, PIECES OF WOOD, PLASTIC SHRINK WRAP, STEEL BANDS USED FOR PACKAGING, PIECES OF UNUSED PLASTIC PIPE OR FITTINGS, AND PORTLAND CEMENT CONCRETE WASHOUT RESIDUE. ALL CONSTRUCTION WASTES WILL BE DISPOSED OFFSITE.

C.(2). TRACKING OF SEDIMENTS -- DESCRIBE HOW VEHICLE TRACKING OF SEDIMENTS TO OFFSITE AREAS WILL BE MINIMIZED:

- TRACKING OF SEDIMENTS OFFSITE WILL BE REDUCED BY AVOIDING VEHICLE TRAVEL ACROSS THE SITE SURFACE SOILS WHEN THEY ARE WET.
- b. A GRAVELED ENTRANCE WILL BE INSTALLED USING 3" NOMINAL MACADAM STONE. THE INSTALLATION WILL FUNCTION TO AID IN CLEANING OFF THE TIRES OF VEHICLES I FAVING THE SITE
- c. IF "a" CANNOT BE ACCOMPLISHED, AND "b" PROVES INEFFECTIVE, THEN MUD FROM VEHICLE TIRES WILL BE MANUALLY CLEANED OFF, TO THE EXTENT PRACTICABLE, BEFORE THE VEHICLE LEAVES THE SITE.

C.(3). COMPLIANCE WITH STATE OR LOCAL SANITARY WASTE DISPOSAL REGULATIONS:

POLLUTION FROM HUMAN SANITARY WASTE WILL BE PREVENTED WITH THE USE OF A PORTABLE TOILET INSTALLED ON THE SITE. THE PORTABLE TOILET WILL BE SUPPLIED AND MAINTAINED BY THE CONTRACTOR. ON TIMELY INTERVALS, HUMAN SANITARY WASTE FROM THE PORTABLE TOILET WILL BE COLLECTED AND DISPOSED OFFSITE BY A QUALIFIED PROFESSIONAL SERVICES COMPANY RETAINED BY THE CONTRACTOR. PORTABLE TOILET FACILITIES MUST BE ANCHORED TO THE SOIL SURFACE TO RESIST OVERTURNING BY WIND OR VANDALISM.

3. MAINTENANCE -- DESCRIBE MAINTENANCE AND PROTECTIVE MEASURES TO KEEP CONTROLS AND PRACTICES IN WORKING ORDER:

TO THE EXTENT PRACTICABLE, THE EFFORTS WILL BE MADE TO AVOID TRAFFIC OVER OR DAMAGE TO INSTALLED PRACTICES AND CONTROLS. IF DAMAGED, REPAIRS OR REPLACEMENTS TO BMP'S WILL BE MADE AS SOON AS POSSIBLE OR WITHIN SEVEN (7) DAYS FOLLOWING INSPECTION.

4. INSPECTIONS, REVISIONS & REPAIRS -- NOTE SPECIAL CONSIDERATIONS OR PROCEDURES, IF ANY, FOR ROUTINE WEEKLY INSPECTIONS:

PER CONTRACT DOCUMENTS, IDALS-DSCWQ IN PARTNERSHIP WITH PATHFINDERS RC&D WILL PERFORM AND DOCUMENT ALL WEEKLY INSPECTIONS FOR THIS SWPPP IN ACCORDANCE WITH PART IV.D.4.C. ELECTRONIC COPIES OF WEEKLY INSPECTIONS REPORTS WILL BE AVAILABLE UPON REQUEST. REQUIRED REVISIONS OR REPAIRS WILL BE MADE WITHIN SEVEN (7) DAYS FOLLOWING INSPECTION.

$\textbf{5.} \ \underline{\textbf{NON-STORMWATER DISCHARGES}} \ \textbf{--} \ \textbf{DESCRIBE PRACTICES TO PREVENT NON-STORMWATER POLLUTION:} \\$

LESS THAN 1000 GALLONS OF DIESEL FUEL AND/OR LUBRICATING OILS ARE EXPECTED TO BE ON SITE AT ANY ONE TIME. THEREFORE, RISK OF GROSS POLLUTION TO RECEIVING WATERS IS MINIMAL. IF FUEL OR OIL SPILLS OCCUR, LIQUID POLLUTANTS WILL BE CONTAINED USING SMALL BERMS MADE FROM SITE SOILS TO PREVENT TRAVEL OF POLLUTANTS TO RECEIVING WATERS. SUFFICIENT TIME WILL BE GIVEN FOR THE POLLUTANTS IN IT TO VOLATILIZE IN THE CONTAMINATED SOIL AND/OR CONTAMINATED SOIL WILL BE DISPOSED OFF-SITE.

6. ADDITIONAL REQUIREMENTS FOR STORM WATER DISCHARGE FROM INDUSTRIAL ACTIVITIES OTHER THAN CONSTRUCTION:

THERE ARE NO ADDITIONAL REQUIREMENTS BECAUSE THIS SWPPP IS FOR A "CONSTRUCTION ONLY" SITE WHERE THERE IS NO INDUSTRIAL SOURCE, OTHER THAN CONSTRUCTION, THAT IS GENERATING THE DISCHARGE.

7. IMPLEMENTATION OF CONTROLS:

THE GENERAL CONTRACTOR IDENTIFIED ON THE CONTRACT, WILL BE ULTIMATELY RESPONSIBLE FOR ALL ASPECTS OF THE PROJECT. THESE INCLUDE GRADING, PIPE INSTALLATION, AND INSTALLATION OF BMPS. AN EROSION CONTROL OR SEEDING SUBCONTRACTOR MAY BE RESPONSIBLE IN SOME SITUATIONS.

	FILE:	REVISION: DATE: DESC	1	TION 2	G 3 AOINES. IA 3	4
	REVISED:	IOWA DEPARTMENT OF AGRICULTURE AND LAND STEWARDSHIP DIVISION OF SOIL CONSERVATION AND WATER QUALITY HOOVER STATE OFFICE BUILDING 1305 E. WALNUT ST., FIFTH FLOOR, DES MOINES, IA (515) 2814246				
	ISSUED: 07-18-2025					
	CHKD. BY:	OV AGRICULT				
	DRAWN BY: LGM	SNIC	RECLAMATION PROJECT		POLLUTION PREVENTION NOTES	
	WCF	FEAGINS - RECLAMATION - POLLUTIO				PKEVEN EN

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