

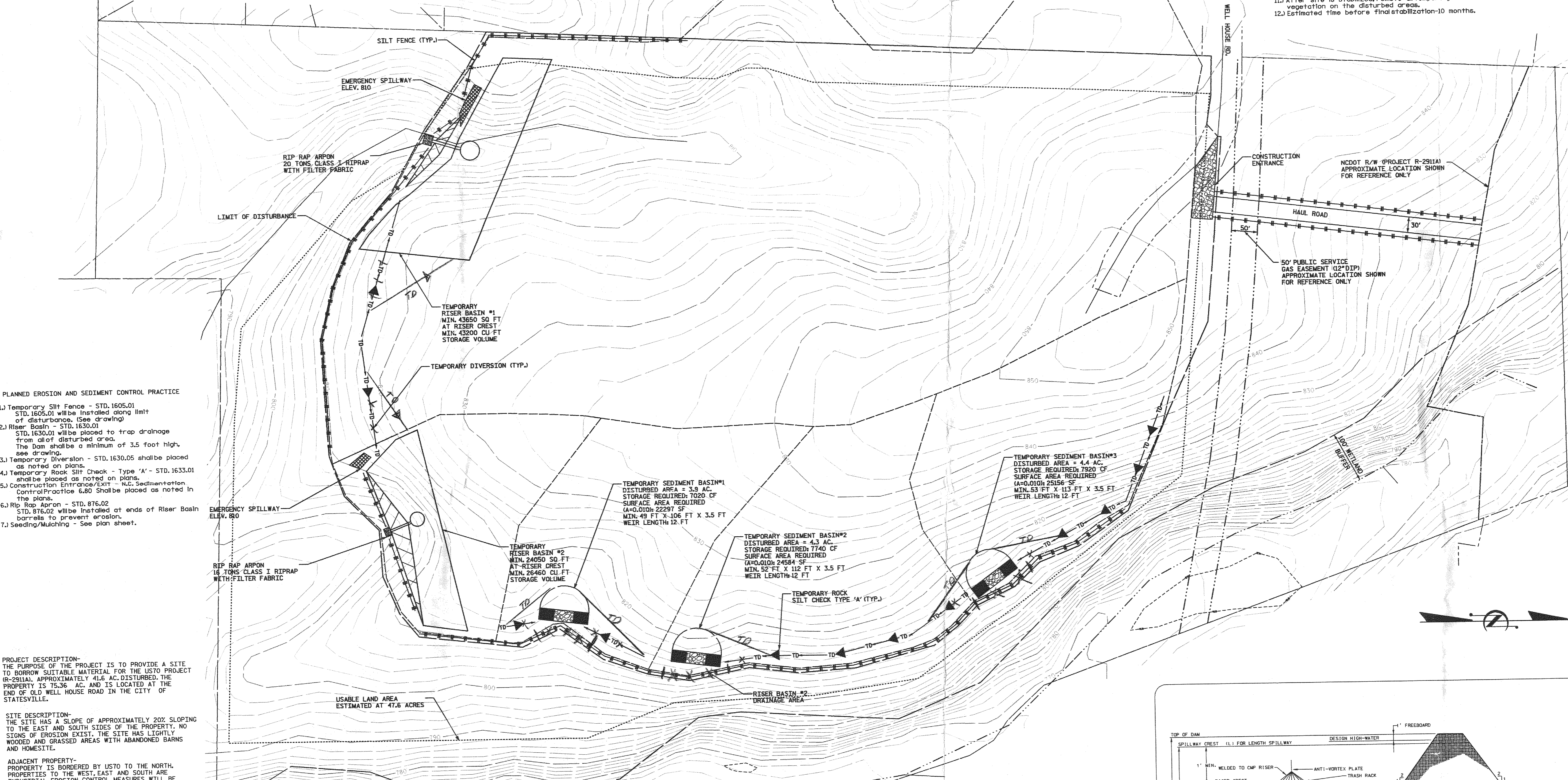
VICINITY MAP
N. T. S.

MAINTENANCE PLAN

- 1.) All erosion and sediment control practices will be checked for stability and operation following every runoff-producing rainfall but in no case less than once every week. Needed repairs to be made immediately.
- 2.) Riser Basins shall be cleaned out when half full.
- 3.) Sediment Fence shall be cleaned when sediment is below 0.5 feet deep behind the fence.
- 4.) Construction Entrances shall be kept free of mud at all times. A fire cleaning operation may be required to keep from tracking mud onto the road.
- 5.) Rip Rap Aprons shall be inspected, maintained and repaired following every runoff-producing rainfall.
- 6.) All seeded areas will be fertilized, reseeded as necessary, and mulched according to project special provisions.

CONSTRUCTION SCHEDULE

- 1.) Obtain plan approval and other applicable permits.
- 2.) Flag work limits.
- 3.) Install Construction Entrance.
- 4.) Install Sediment Fence.
- 5.) Install Riser Basins & Temporary Sediment Basins.
- 6.) Start excavating borrow material.
 - A) Slopes shall be 2:1 or flatter.
 - B) All excavated areas shall be covered with a minimum of 12 inches of earth material.
- 7.) Stage seed as necessary - do not leave exposed erodible slopes longer than 21 calendar days.
- 8.) Upon completion of removal of borrow material, dress area and place suitable soil cover.
- 9.) Permanently seed and mulch.
- 10.) All erosion and sediment control to be inspected weekly and after rainfall event. Needed repairs to be made immediately.
- 11.) After site is stabilized, remove all temporary measures and install permanent vegetation on the disturbed areas.
- 12.) Estimated time before final stabilization - 10 months.



PLANNED EROSION AND SEDIMENT CONTROL PRACTICE

- 1.) Temporary Silt Fence - STD. 1605.01
STD. 1605.01 will be installed along limit of disturbance. (See drawing)
- 2.) Riser Basin - STD. 1630.01
STD. 1630.01 will be placed to trap drainage from all of disturbed area. The dam shall be a minimum of 3.5 foot high, see drawing.
- 3.) Temporary Diversion - STD. 1630.05 shall be placed as noted on plans.
- 4.) Temporary Rock Silt Check - Type 'A' - STD. 1633.01 shall be placed as noted on plans.
- 5.) Construction Entrance/EXIT - STD. Sediment-entrance Control Practice 6.80 Shall be placed as noted in the plans.
- 6.) Rip Rap Apron - STD. 876.02
STD. 876.02 will be installed at ends of Riser Basin barrels to prevent erosion.
- 7.) Seeding/Mulching - See plan sheet.

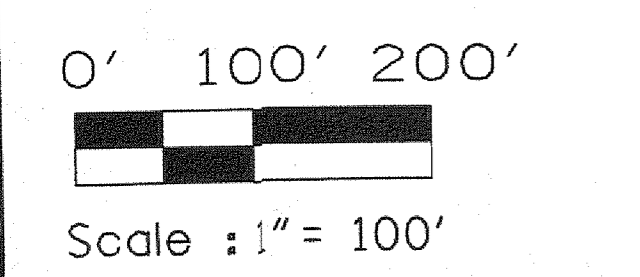
PROJECT DESCRIPTION-
THE PURPOSE OF THE PROJECT IS TO PROVIDE A SITE TO BORROW SUITABLE MATERIAL FOR THE US70 PROJECT (R-2911A), APPROXIMATELY 41.6 AC. DISTURBED. THE PROPERTY IS 75.36 AC. AND IS LOCATED AT THE END OF OLD WELL HOUSE ROAD IN THE CITY OF STATESVILLE.

SITE DESCRIPTION-
THE SITE HAS A SLOPE OF APPROXIMATELY 20% SLOPING TO THE EAST AND SOUTH SIDES OF THE PROPERTY. NO SIGNS OF EROSION EXIST. THE SITE HAS LIGHTLY WOODED AND GRASSED AREAS WITH ABANDONED BARN AND HOMESTEAD.

ADJACENT PROPERTY-
PROPERTY IS BORDERED BY US70 TO THE NORTH, PROPERTIES TO THE WEST, EAST AND SOUTH ARE INDUSTRIAL. EROSION CONTROL MEASURES WILL BE UTILIZED TO PREVENT SEDIMENT TRANSPORT TO ADJACENT PROPERTIES.

NOTES:

- 1.) ALL TEMPORARY DIVERSIONS ARE TO BE DIRECTED TO THE REAR SIDE OF ALL BASINS.
- 2.) ELIMINATE EDGE & CURB LOSPEDEZA FROM SEEDING SCHEDULE & SUBSTITUTE 15" OF GERMAN MILLET.
- 3.) DO NOT PLACE SILT FENCE DIRECTLY IN FRONT OF ROCK APRONS IN SILT BASINS. THIS SILT FENCE SHOULD BE OMITTED.



SEEDING AND MULCHING

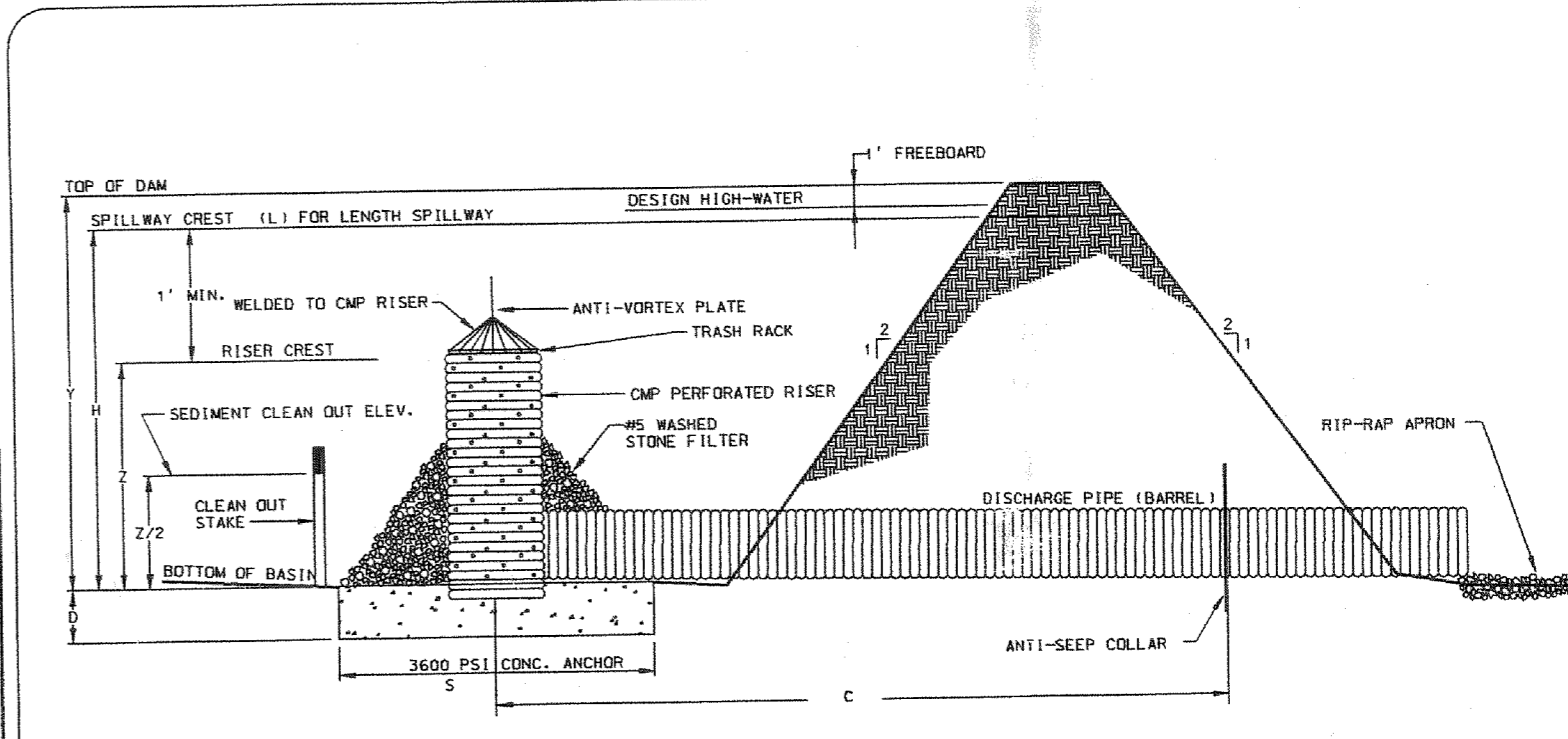
AUGUST 1 - JUNE 1		MAY 1 - SEPTEMBER 1	
100* (110kg) TALL FESCUE	100* (110kg) TALL FESCUE	100* (110kg) TALL FESCUE	100* (110kg) TALL FESCUE
15* (17kg) KENTUCKY BLUEGRASS	15* (17kg) KENTUCKY BLUEGRASS	15* (17kg) KENTUCKY BLUEGRASS	15* (17kg) KENTUCKY BLUEGRASS
15* (17kg) HARD FESCUE	15* (17kg) HARD FESCUE	15* (17kg) HARD FESCUE	15* (17kg) HARD FESCUE
500* (560kg) FERTILIZER	500* (560kg) FERTILIZER	500* (560kg) FERTILIZER	500* (560kg) FERTILIZER
4000* (4500kg) LIMESTONE	4000* (4500kg) LIMESTONE	4000* (4500kg) LIMESTONE	4000* (4500kg) LIMESTONE

APPROVED BY: *Mark E. Smith* 6-7-05
RESIDENT ENGINEER

CONTRACTOR'S STATEMENT
I (WE) HEREBY CERTIFY THAT THIS PLAN, WHEN APPROVED, WILL BE UTILIZED FOR THE DEVELOPMENT, USE, AND RECLAMATION OF THIS SITE.
SIGNATURE(S): *Mark E. Smith*

PROPERTY OWNER'S STATEMENT
I hereby certify that I am in agreement with this development, use, and reclamation plan, and any exceptions noted when approved by the Engineer, and that I understand that I will be responsible for the site upon completion of its use in the construction of the project noted in the map legend. I understand that this plan, when approved, will serve as a guide in controlling erosion and sediment in accordance with the Mining Act and the Sediment and Pollution Control Act and as enforced by the North Carolina Department of Environment and Natural Resources (DENR). I understand that any work exceeding the minimum necessary for compliance with DENR requirements, should be negotiated between the Engineer and the Property Owner. My signature below authorizes the Department of Transportation (DOT), the Department of Environment and Natural Resources (DENR) or its agents, to enter upon my property for a period of one year from the date of final acceptance of the project for which this site plan is executed. If necessary, the DOT or its agents will be allowed to repair any areas that are not in compliance with DENR requirements. After a one year inspection is held, I will be solely responsible for assuring that the site is in compliance with DENR regulations. If I change the condition of the site after the final inspection and prior to the one year follow-up inspection, then I acknowledge that I am solely responsible for the condition of the pit beginning on the date I change the final inspection condition.

Witness: _____
Owner(s): *Mark E. Smith*



DATA BLOCK

ID	RISER DIAMETER	BARREL DIAMETER	BARREL SLOPE	D	S	Y	H	Z	L	C	SEDIMENT STORAGE (HEALED)
#1	54"	42"	0.88%	2.5	7	10	9	7	20	40	43200 CF
#2	48"	36"	1.16%	2.5	5	7	6	5	15	28	24460 CF

RISER TYPE SEDIMENT BASIN

DATE: 01/17/05
DRAWN BY: ASE/DPB
DWG. CHECKED BY: ASE/DPB
DESIGNED BY: ASE/DPB
DGN. CHECKED BY: ASE/DPB
SCALE: 1" = 100'

REVISIONS

NO.	DATE	REVISIONS
1	1/17/2005	REDUCED 600' BUFFER TO 100' & ADDED NCDOT R/W
2	1/27/2005	APPROXIMATE LOCATION OF GAS EASEMENT
3	1/27/2005	REDUCED DISTURBANCE TO BALANCE SITE
4	1/17/2005	REVISED CUT SLOPE ON NORTH SIDE OF PARCEL
5	1/17/2005	ADDED ESTIMATE USABLE LAND AREA
6	1/17/2005	ADDED BUFFER TO CLEARING PHASE
7	1/17/2005	ADDED ADDITIONAL RE-MEASURES PER COMMENTS

**GORDON BROTHERS BORROW PIT
EROSION CONTROL FOR CLEARING
APAC, INC.**
R-2911A
IREDELL COUNTY, NC

CONTRACTOR:
APAC
1188 SMOKEY PARK HIGHWAY
CANDLER, NC 28715

PROPERTY OWNERS:
GORDON BROTHERS
P.O. BOX 1192
STATESVILLE, NC 28687

SITE ADDRESS:
OLD WELL HOUSE RD.
STATESVILLE, NC

DEED REFERENCE:
DB 00914 PG 1767

PROJECT NUMBER:
200401001
34517.3.5

DRAWING NO.
1