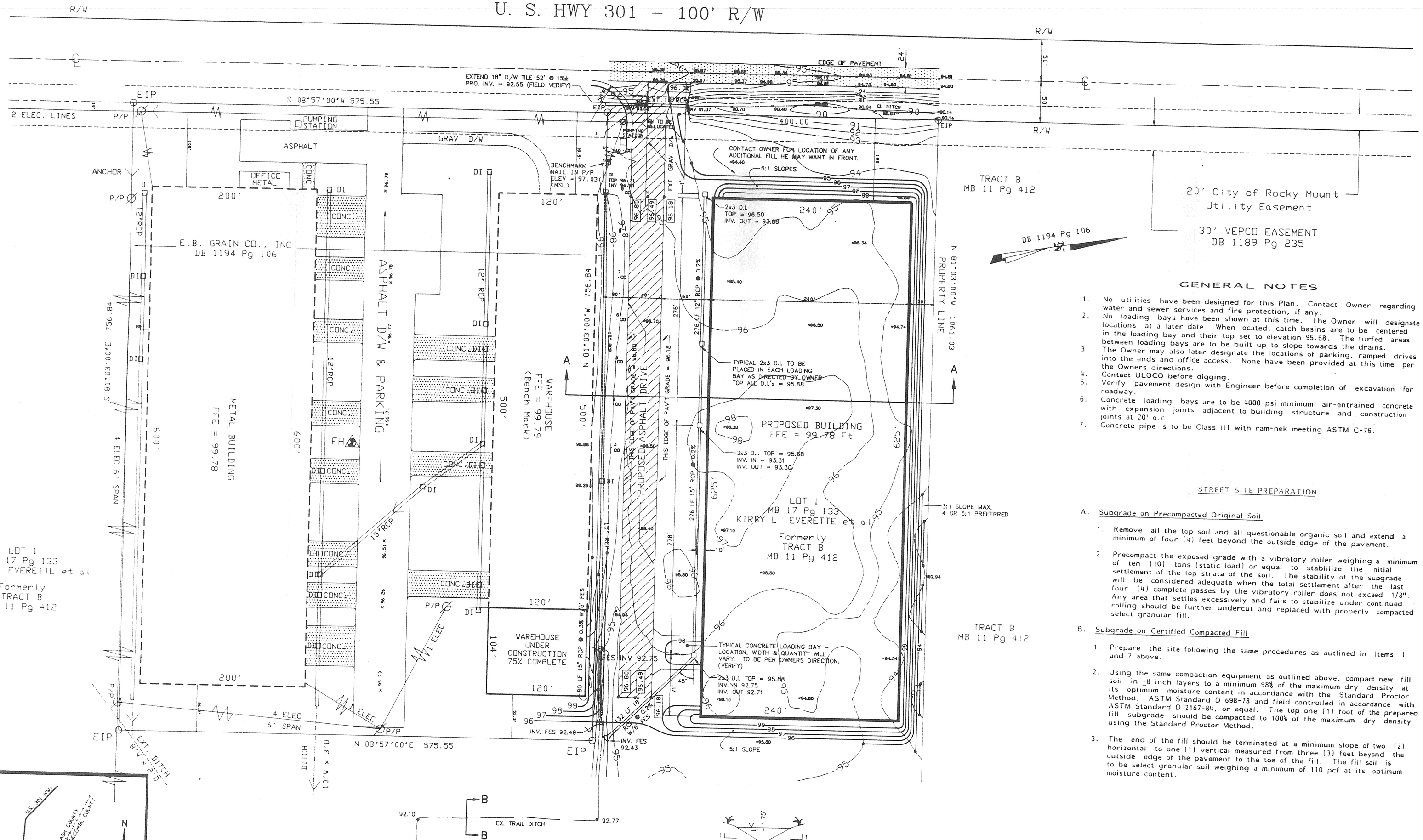


GENERAL NOTES

1. No utilities have been designed for this Plan. Contact Owner regarding water and sewer services and fire protection, if any.
2. No loading bays have been shown at this time. The Owner will designate locations at a later date. When located, catch basins are to be centered in the loading bay and their top set to elevation 95.68. The turfed areas between loading bays are to be built up to slope towards the drains.
3. The Owner may also later designate the locations of parking, ramped drives into the ends and office access. None have been provided at this time per the Owners directions.
4. Contact ULOCO before digging.
5. Verify pavement design with Engineer before completion of excavation for roadway.
6. Concrete loading bays are to be 4000 psi minimum air-entrained concrete with expansion joints adjacent to building structure and construction joints at 20' o.c.
7. Concrete pipe is to be Class III with ram-nek meeting ASTM C-76.

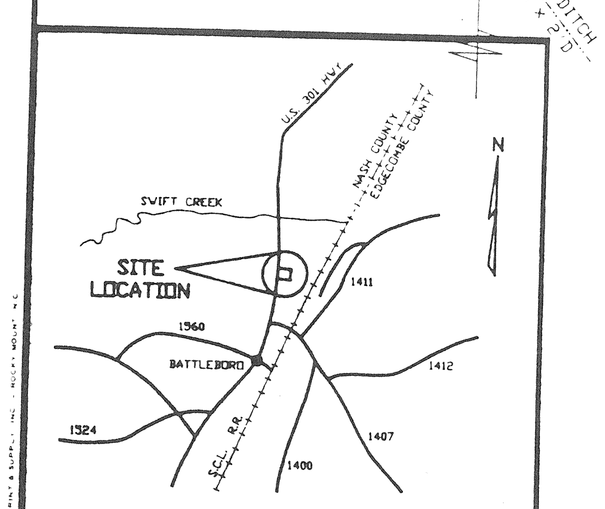
STREET SITE PREPARATION

A. Subgrade on Precompacted Original Soil

1. Remove all the top soil and all questionable organic soil and extend a minimum of four (4) feet beyond the outside edge of the pavement.
2. Precompact the exposed grade with a vibratory roller weighing a minimum of ten (10) tons (static load) or equal to stablilize the initial settlement of the top strata of the soil. The stability of the subgrade will be considered adequate when the total settlement after the last four (4) complete passes by the vibratory roller does not exceed 1/8". Any area that settles excessively and fails to stabilize under continued rolling should be further undercut and replaced with properly compacted select granular fill.

B. Subgrade on Certified Compacted Fill

1. Prepare the site following the same procedures as outlined in Items 1 and 2 above.
2. Using the same compaction equipment as outlined above, compact new fill soil in ±8 inch layers to a minimum 98% of the maximum dry density at its optimum moisture content in accordance with the Standard Proctor Method, ASTM Standard D 698-78 and field controlled in accordance with ASTM Standard D 2167-84, or equal. The top one (1) foot of the prepared fill subgrade should be compacted to 100% of the maximum dry density using the Standard Proctor Method.
3. The end of the fill should be terminated at a minimum slope of two (2) horizontal to one (1) vertical measured from three (3) feet beyond the outside edge of the pavement to the toe of the fill. The fill soil is to be select granular soil weighing a minimum of 110 pcf at its optimum moisture content.

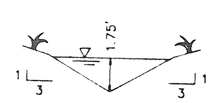


LOCATION SKETCH

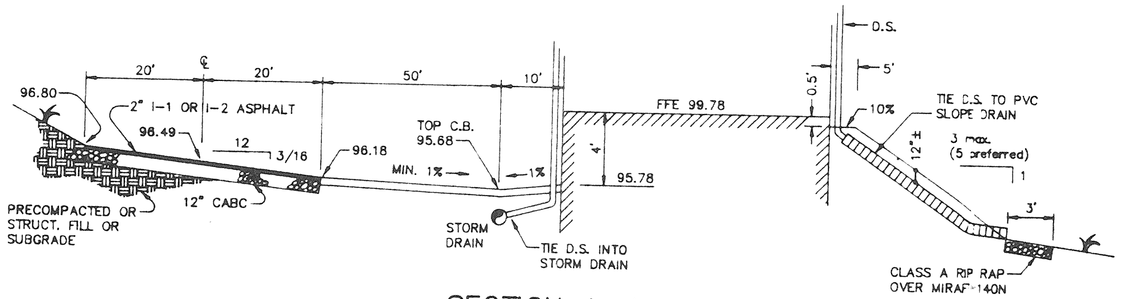
TOPOGRAPHIC SURVEY BY
JOYNER, KEENY & ASSOCIATES
P.O. BOX 7533, 209 N. PEARL ST.
ROCKY MOUNT, NORTH CAROLINA 27804
(919) 977 - 3124

BEFORE YOU DIG
CALL TOLL FREE
1-800-632-4949
ULOCO

SCALE
0 60 120 150 180 210 240



EX. TAIL DITCH
X-SECTION B-B
NOT TO SCALE



SECTION A-A
NOT TO SCALE

DRAINAGE AND GRADING PLAN FOR E.B. GRAIN CO., INC.

SCALE 1" = 60'
DATE DEC., 1991
DESIGN BJ
DRAWN BY
CHKD

APPIAN
CONSULTING ENGINEERS, P.A.
CIVIL AND MUNICIPAL ENGINEERS
P.O. BOX 7966 • ROCKY MOUNT NC 27804
(919) 972 7703
GENESIS 1:1

NORTH CAROLINA PROFESSIONAL SEAL 8821 BOBBY L. JOYNER

CE - 1

SOLID WASTE SECTION FEB 12 1992

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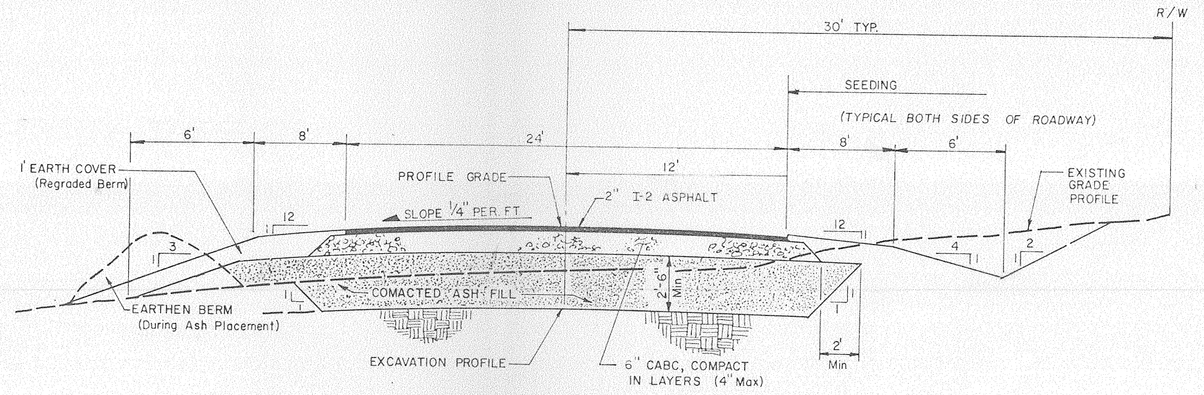
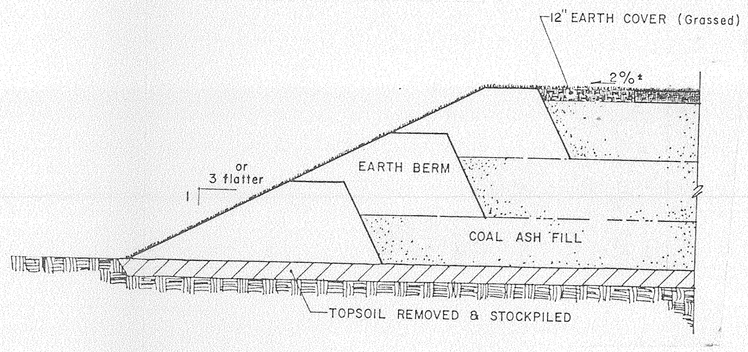


TYPICAL ROAD SECTION

n.t.s. A4·A4



ASH FILL SECTION

n.t.s. B4·B4

ROADWAY NOTES

1. Strip all topsoil (if applicable), and stockpile as directed by the engineer or project manager.

2. Excavate for roadbed as limits indicate on drawings and stockpile as directed by ReUse Technology, Inc.

3. All organic and/or soft material shall be removed and the exposed subgrade compacted with a vibratory roller (10 ton minimum). Where heaving is observed overexcavation will be required at the direction of the engineer or project manager before the placement of ash fill.

4. Prior to placement of material on site, laboratory testing shall be performed on the fill material to determine the optimum moisture content and density using the standard proctor method.

5. Using a vibratory roller weighing a minimum of 10 tons (static load) or equal, compact new fill material in ± 9 inch layers to a minimum 95% of the maximum dry density at its optimum moisture content in accordance with the standard proctor method, ASTM standard D-698 and field controlled in accordance with ASTM standard D-2167, or equal.

6. Upon completion of the placement of all material, two INSITU CBR's are to be taken to assure that a minimum CBR of 18 has been achieved.

7. The final subgrade elevation shall be set 8" below the final elevation which allows for 6" of CABC and 2" of I-2 asphalt.

8. Sufficient drainage by ditching or other approved means shall be employed to protect the final subgrade from contamination and washout. Drainage is to be the first order of construction before filling.

GENERAL NOTES

1. Excavate and stockpile topsoil and adequate quantities of earth for cover material in progression with ash fill placement.

2. During dry and windy conditions adequate moisture will be applied to prevent dusting.

3. Ash shall be bladed in ± 9 inch layers and compacted with a smooth steel wheeled vibratory roller. (10 ton minimum) to a minimum 95% of the maximum dry density at its optimum moisture content per ASTM D-698. Field compaction test shall be taken for each 5000 cubic yards placed.

4. During construction the ash fill shall be graded (max. 5%) and a smooth surface maintained as to provide for sheet flow run-off and prevent dusting.

5. Run-off from all disturbed areas shall be controlled and contained by measures in accordance with the erosion control plan.

6. All areas shall be covered with 12" compacted earth. Seeding shall be in accordance with schedule provided in the Erosion and Sedimentation Control narrative, Section C: Vegetative Ground Cover.

RT Development Company
100 Chastain Center Boulevard - Suite 155
Kennesaw, Georgia 30144
Telephone (404) 425-7580
Fax (404) 425-7581

DATE	DESCRIPTION	DWN/APP.
11-22-91	FOR REVIEW	gdw/RW

DATE

E.B. GRAIN CO., INC.

Building Pad Fill

PROJECT NO.

SHEET NO. of