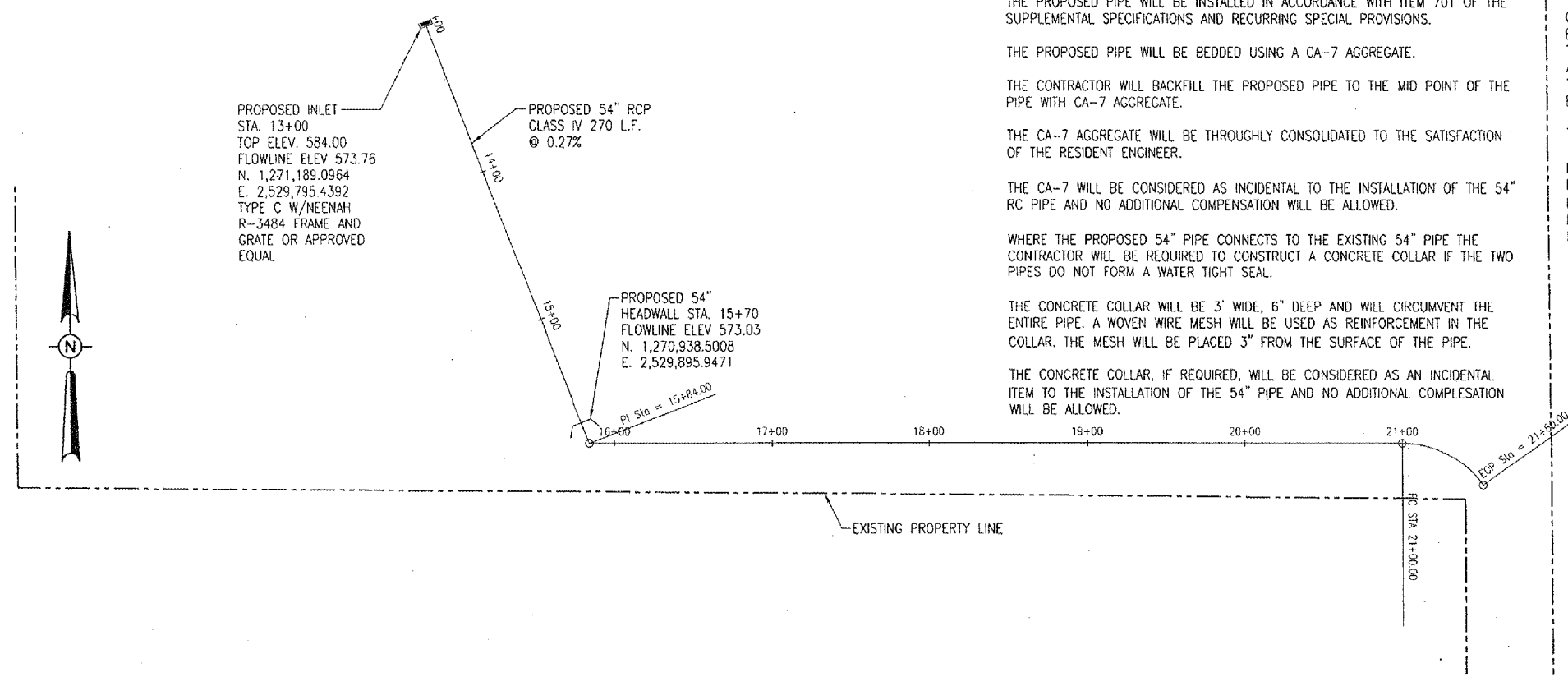


DEC 22, 2006 7:43 AM CAH
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54" RC PIPE NOTES

THE PROPOSED PIPE WILL BE 54" DIAMETER, CLASS IV REINFORCED CONCRETE CULVERT PIPE.

THE PROPOSED PIPE WILL BE INSTALLED IN ACCORDANCE WITH ITEM 701 OF THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.

THE PROPOSED PIPE WILL BE BEDDED USING A CA-7 AGGREGATE.

THE CONTRACTOR WILL BACKFILL THE PROPOSED PIPE TO THE MID POINT OF THE PIPE WITH CA-7 AGGREGATE.

THE CA-7 AGGREGATE WILL BE THOROUGHLY CONSOLIDATED TO THE SATISFACTION OF THE RESIDENT ENGINEER.

THE CA-7 WILL BE CONSIDERED AS INCIDENTAL TO THE INSTALLATION OF THE 54" RC PIPE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

WHERE THE PROPOSED 54" PIPE CONNECTS TO THE EXISTING 54" PIPE THE CONTRACTOR WILL BE REQUIRED TO CONSTRUCT A CONCRETE COLLAR IF THE TWO PIPES DO NOT FORM A WATER TIGHT SEAL.

THE CONCRETE COLLAR WILL BE 3' WIDE, 6" DEEP AND WILL CIRCUMVENT THE ENTIRE PIPE. A WOVEN WIRE MESH WILL BE USED AS REINFORCEMENT IN THE COLLAR. THE MESH WILL BE PLACED 3" FROM THE SURFACE OF THE PIPE.

THE CONCRETE COLLAR, IF REQUIRED, WILL BE CONSIDERED AS AN INCIDENTAL ITEM TO THE INSTALLATION OF THE 54" PIPE AND NO ADDITIONAL COMPLESATION WILL BE ALLOWED.

54" RC PIPE NOTES CONTINUED

RUBBER GASKET JOINT SEALS OR BITUMINOUS MASTIC COMPOUND IS PERMITTED. IF BITUMINOUS MASTIC COMPOUND IS USED, IT WILL MEET THE FOLLOWING REQUIREMENTS:

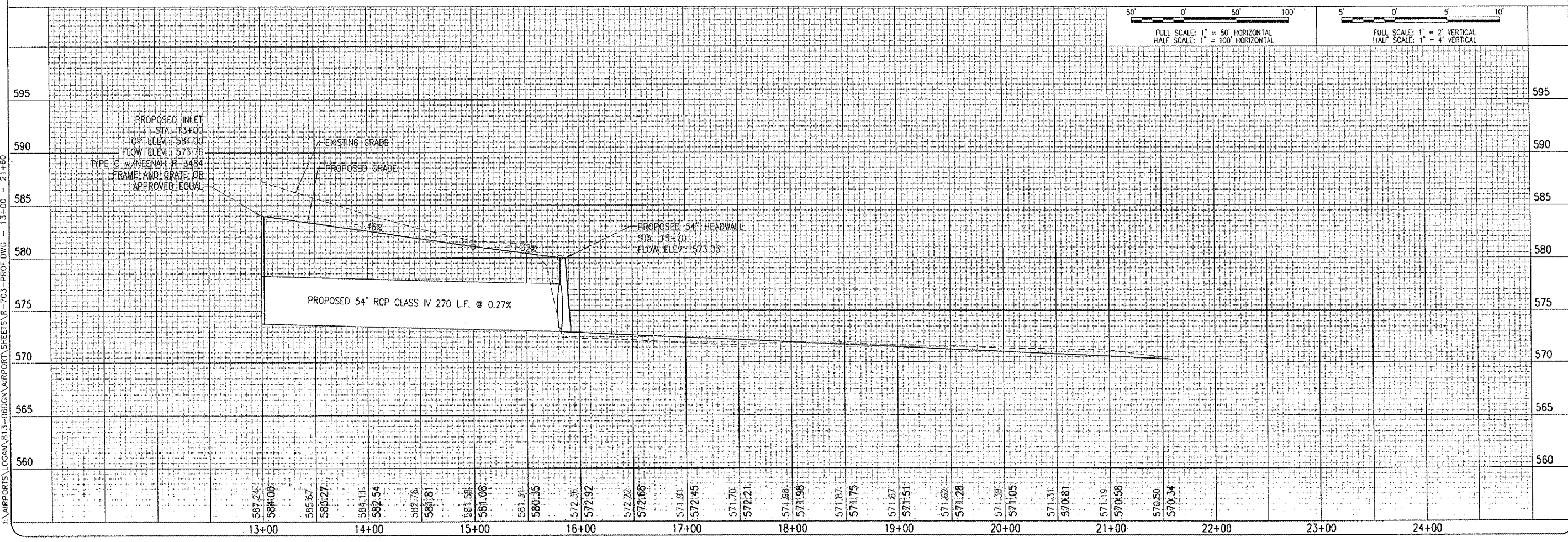
COLD-APPLIED BITUMINOUS SEALER FOR CULVERT AND SEWER PIPE JOINTS SHALL BE BITUMINOUS MATERIAL OF SUCH CONSISTENCY THAT IT CAN BE APPLIED TO THE JOINTS WITH A TROWEL WHEN THE TEMPERATURE OF THE AIR IS BETWEEN 20° AND 100°F. THE BITUMINOUS MATERIAL SHALL ADHERE TO THE CONCRETE SO AS TO MAKE A WATER-TIGHT SEAL AND SHALL NOT FLOW, CRACK, OR BECOME BRITTLE WHEN EXPOSED TO THE ATMOSPHERE.

THE BITUMINOUS SEALER SHALL MEET THE FOLLOWING SPECIFIC REQUIREMENTS:

PENETRATION, 77°F., 150 G., 5 SEC., WITH CONE _____ 175-300
 LOSS OF HEATING, 325°F, 5 HR., 50 G., PERCENT _____ 20 MAX.
 INORGANIC CONTENT (COMPLETE BURN 1200° TO 1400°F) PERCENT _____ 15-20
 FLOW AT 140° F., CENTIMETERS _____ 0
 PLIABLE AT 0°F _____ YES

THE BITUMINOUS SEALER SHALL BE DELIVERED TO THE PROJECT IN SUITABLE CONTAINERS FOR HANDLING, AND SHALL BE SEALED OR OTHERWISE PROTECTED FROM CONTAMINATION. THE CONTAINER SHALL SHOW THE BRAND NAME, NET VOLUME, OR WEIGHT AND THE REQUIREMENTS FOR APPLICATION.

L0025



50' 0' 50' 100'
 FULL SCALE: 1" = 50' HORIZONTAL
 HALF SCALE: 1" = 100' HORIZONTAL

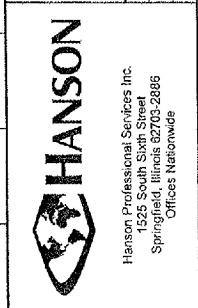
5' 0' 5' 10'
 FULL SCALE: 1" = 2' VERTICAL
 HALF SCALE: 1" = 4' VERTICAL

REVISION	DATE	BY

**LOGAN COUNTY AIRPORT
 LINCOLN, ILLINOIS**

IL PROJ.: AAA-3545 A.L.P. PROJ.: 3-17-0062-813

LAYOUT	JEO	10/24/06
DRAWN	JEO	10/24/06
REVIEWED	CAH	10/31/06



DRAINAGE IMPROVEMENTS

PROPOSED
 PIPE PLAN AND PROFILE
 STA. 13+00 TO STA. 21+60