

REPRODUCTION
MAY 8 1985

GENERAL NOTES

QUANTITY CALCULATIONS
BY MCC DATE 12-84
CHKD. J.M. DATE 1-85
WOODRUFF, INC.

F.A.R.A. REGION	STATE	PROJECT
5	OHIO	

8
86

LAKE COUNTY
LAK-20-17.14

G. ESTIMATED QUANTITIES FOR MAINTAINING TRAFFIC

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN PROVIDED FOR THE MAINTENANCE OF TRAFFIC AND ARE INCLUDED FOR USE ONLY WHEN AND IN AMOUNTS AS DIRECTED BY THE ENGINEER. THE AMOUNT OF THESE ITEMS AND THE LOCATIONS WHERE USED SHALL BE RECORDED AS USED AND PAYMENT WILL BE BASED ON FINAL MEASUREMENT.

ITEM 404	BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC	100 C.Y.
ITEM 410	TRAFFIC-COMPACTED SURFACE, TYPE "A" OR "B"	400 C.Y.
ITEM 616	WATER	100 M. GAL.
ITEM 616	CALCIUM CHLORIDE	14 TONS

THE PROVISIONS OF SECTION 104.02 WILL APPLY TO THESE ITEMS.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY IN ACCORDANCE WITH SECTION 153.64 OF THE OHIO REVISED CODE.

UTILITY OWNERSHIP

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT:

EAST OHIO GAS COMPANY
1201 EAST 55th STREET
CLEVELAND, OHIO 44103
PHONE: 432-6906

CITY OF PAINESVILLE
WATER DEPARTMENT
7 RICHMOND ST.
PAINESVILLE, OHIO 44077
PHONE: 357-6322
NOT A MEMBER OF OHIO UTILITIES PROTECTION SERVICE

CLEVELAND ELECTRIC ILLUMINATING CO.
55 PUBLIC SQUARE
CLEVELAND, OHIO 44113
PHONE: 622-9800

CITY OF PAINESVILLE
ELECTRIC DEPT.
7 RICHMOND ST.
PAINESVILLE, OHIO 44077
PHONE: 357-6601

OHIO BELL TELEPHONE COMPANY
820 WEST SUPERIOR AVENUE
CLEVELAND, OHIO 44113
PHONE: 822-6241

CITY OF PAINESVILLE
POLLUTION CONTROL DIVISION (SANITARY SEWERS)
7 RICHMOND ST.
PAINESVILLE, OHIO 44077
PHONE: 357-5122

ROADWAY

EXISTING TYPICAL SECTIONS

EXISTING TYPICAL SECTIONS HAVE BEEN TAKEN FROM RECORDS AND BELIEVED TO REPRESENT THE EXISTING PAVEMENT, BUT THE STATE OF OHIO DOES NOT GUARANTEE THE ACCURACY OF SAME.

DUST CONTROL

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN PROVIDED FOR THE APPLICATION FOR THE PREVENTION OR ALLEVIATION OF DUST WHERE DIRECTED AND IN THE AMOUNTS SPECIFIED BY THE ENGINEER:

ITEM 616	WATER	100 M.GAL.
ITEM 616	CALCIUM CHLORIDE	20 TONS

ROUNDING OF CORNERS SHOWN ON CROSS SECTIONS

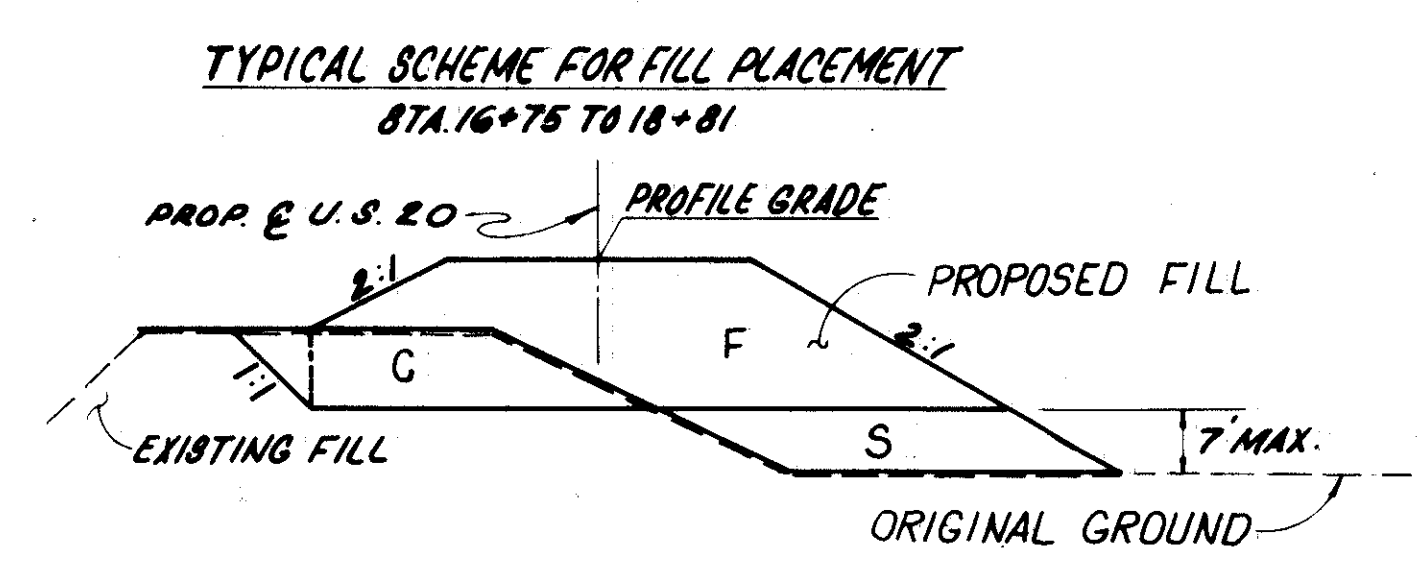
THE ROUNDED CORNERS SHOWN ON THE TYPICAL SECTIONS, APPLY TO ALL CROSS SECTIONS EVEN THOUGH OTHERWISE SHOWN ON THESE PLANS.

EXCAVATION AS PER PLAN

THIS WORK SHALL CONSIST OF THE REMOVAL OF EXISTING FILL MATERIAL FROM THE PROPOSED LEFT SHOULDER AREA BETWEEN STATION 16+75 AND STATION 18+62 AS SHOWN ON THE SKETCH BELOW MARKED AS AREA "C". ALL WORK SHALL BE DONE IN CONFORMANCE WITH SECTION 203 OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS. THE COST OF DISPOSAL OF EXCESS MATERIAL EXCAVATED UNDER THIS PAY ITEM AND NOT PLACED UNDER EMBANKMENT AS PER PLAN SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.

EMBANKMENT AS PER PLAN "A"

THIS WORK SHALL CONSIST OF THE PLACEMENT OF FILL MATERIAL IN THE AREA OF THE PROPOSED RIGHT SHOULDER BETWEEN STATION 16+75 AND STATION 18+81 AS SHOWN ON THE SKETCH BELOW MARKED AS AREA "S". THE FILL USED MAY BE THAT MATERIAL EXCAVATED UNDER EXCAVATION AS PER PLAN . THIS FILL MATERIAL IS TO BE RECOMPACTED TO A MAXIMUM DEPTH OF SEVEN FEET ABOVE ORIGINAL GRADE. ALL WORK SHALL BE DONE IN CONFORMANCE WITH SECTION 203 OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.



LEGEND

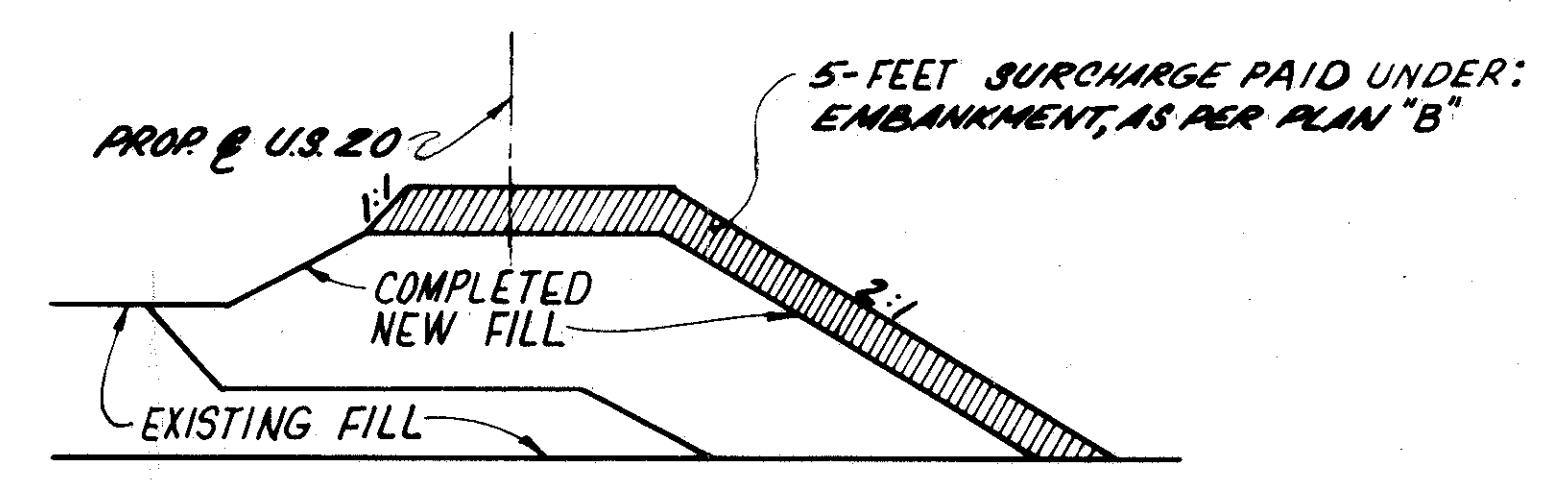
- C. EXCAVATION, AS PER PLAN AND 203-EMBANKMENT
- S. EMBANKMENT, AS PER PLAN "A"
- F. 203 EMBANKMENT

EMBANKMENT AS PER PLAN "B"

THIS WORK SHALL CONSIST OF THE PLACEMENT OF AN ADDITIONAL FIVE FOOT SURCHARGE ON TOP OF THE PROPOSED EMBANKMENT BETWEEN STATION 16+65 AND STATION 18+81. THIS SURCHARGE SHALL BE LEFT IN PLACE FOR A PERIOD OF NOT LESS THAN FOUR MONTHS TO PROVIDE FOR POSSIBLE SETTLEMENT OF THE EMBANKMENT. THE SURCHARGE WOULD THEN BE REMOVED TO PROPOSED SUBBASE ELEVATION. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM.

THE SURCHARGED FILL SHALL BE PROTECTED FROM EROSION BY THE PLACEMENT OF TEMPORARY SEEDING AND MULCHING. THIS ACTIVITY IS TO BE BID SEPARATELY.

TYPICAL SCHEME TO ACCELERATE SETTLEMENT STA. 16+65 TO 18+81



EMBANKMENT AS PER PLAN TOE OF FILL REINFORCEMENT AT THE WEST BRIDGE ABUTMENT

THE FRONT SLOPE ADJACENT TO THE WEST BRIDGE ABUTMENT IS TO HAVE ITS STABILITY ENHANCED BY MEANS OF THE SCHEME DETAILED ON SHEET NUMBER 18. THE EXISTING GROUND AT THE TOE OF THIS FILL SHALL BE EXCAVATED AS SHOWN AND BACKFILLED. THE BACKFILL MATERIAL SHALL CONFORM TO SECTION 203.02 GRANULAR MATERIALS OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIALS SPECIFICATIONS.

PAYMENT FOR THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203 EMBANKMENT, AS PER PLAN.

ITEM 606 - BRIDGE TERMINAL ASSEMBLY STANDARD TYPE A, MODIFIED AS PER PLAN

WHEN MOUNTING TO THE EXISTING WALL, THE END TERMINAL SHALL BE ATTACHED USING 7/8 INCH DIAMETER ADHESIVE ANCHORS. The anchors shall consist of 7/8"x6" studs secured by epoxy mortar as per Supp. Specs. 853 & 956. End terminal shall be secured to studs with 7/8" hex head nuts and washers.

Payment for the above shall be included in the unit price bid for item 606 Bridge Terminal Assembly Std, Type A, Modified As Per Plan.

SCALE: _____
MADE C.W.H. DATE 10-84
TRCD. C.W.H. DATE 10-84
CED. M.C. DATE 1-85
WOODRUFF, INC.
CONSULTING ENGINEERS
CLEVELAND OHIO