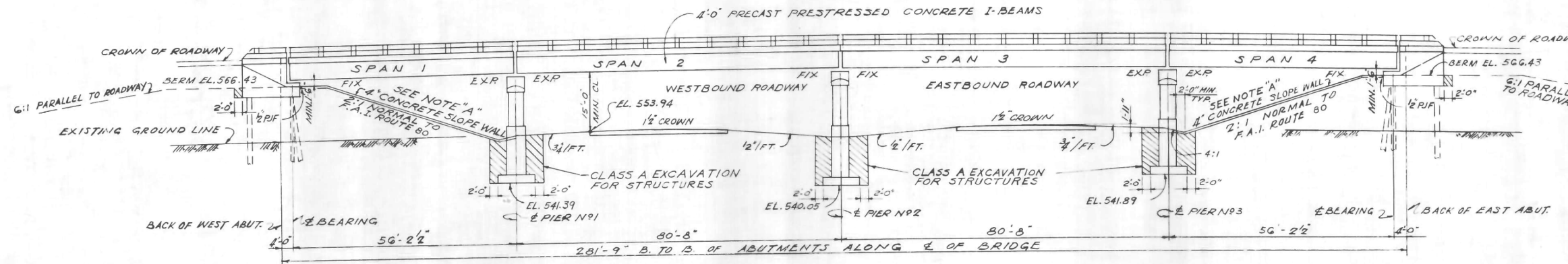


B.M. #10: ELEV. 551.11
 R.R. SPIKE IN 6" CHERRY TREE 250' LT OF STA. 1551+00.
 B.M. #11: ELEV. 552.05
 2 NAILS IN F.P. ± 200' LT OF STA. 1571+60.
 B.M. #12: ELEV. 551.06
 2 NAILS IN F.P. ± 160' RT OF STA. 1595+50.

INDEX OF BRIDGE SHEETS-STATION 1574+07.48

SHEET NO	TITLE
1.	GENERAL PLAN AND ELEVATION.
2.	BORINGS, NAME PLATES, GENERAL NOTES, QUANTITIES, AND EXCAVATION.
3.	DECK REINFORCEMENT PLAN.
4.	DECK CROSS SECTIONS AND DIAPHRAGM DETAILS.
5.	DETAILS OF PRECAST PRESTRESSED CONCRETE I-BEAMS.
6.	FRAMING PLAN, BEARINGS AND EXPANSION DEVICE.
7.	HANDRAIL DETAILS.
8.	EAST AND WEST ABUTMENTS AND WINGWALL DETAILS.
9.	PIERS 1, 2, AND 3
10.	REINFORCEMENT BAR LISTS.
11.	ABUTMENT PILES.



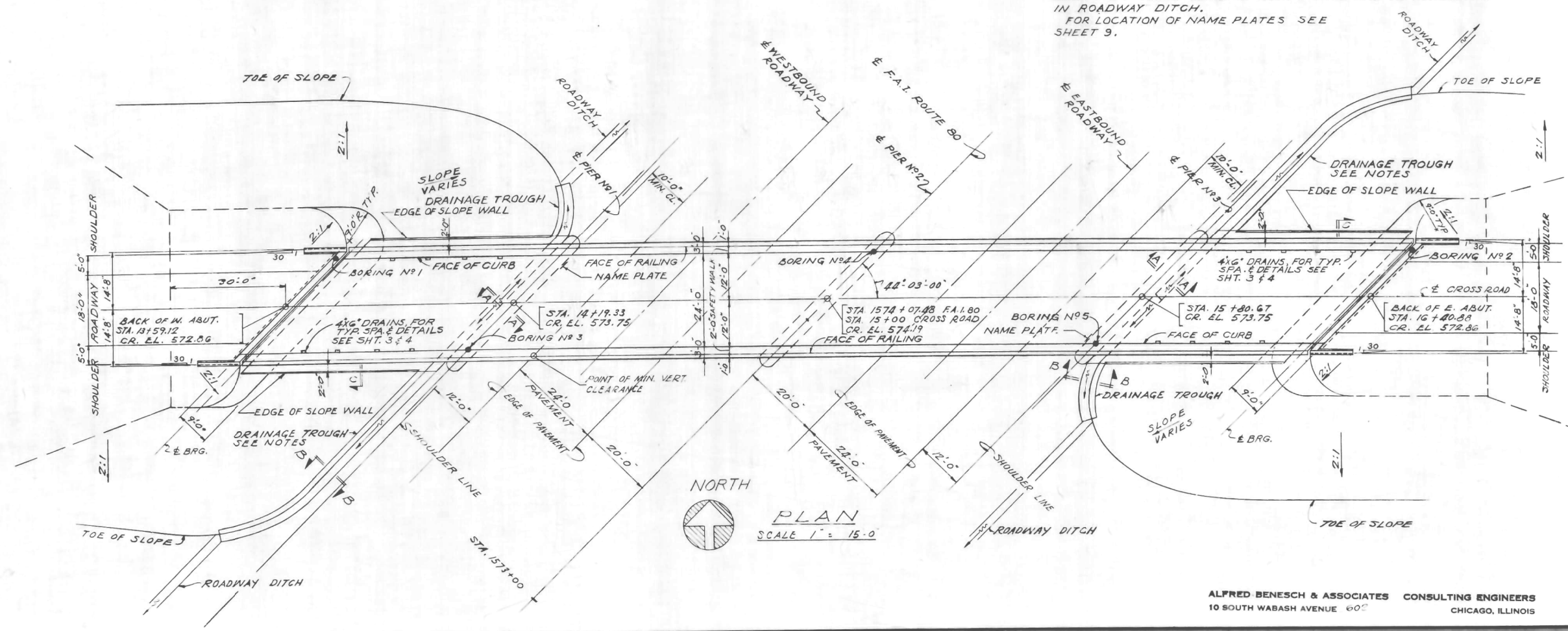
NOTE "A"
 REINFORCED WITH WELDED WIRE FABRIC
 6x6 MESH NO. 4 WIRE WEIGHING APPROX.
 58# PER 100 SQ. FT.

ELEVATION
 SCALE 1" = 15'-0"

NOTES:
 QUANTITIES OF EARTH EXCAVATION FOR F.A.I. ROUTE 80 AND EMBANKMENT FOR CROSSROAD ARE INCLUDED IN QUANTITIES ON ROAD PLANS.
 6 TO 1 BACKSLOPE MAY BE OMITTED IF EMBANKMENT IS CONSTRUCTED FULL LENGTH.
 FOR SECTION A-A, B-B AND C-C SEE SHEET 2.
 FOR LIMITS OF CLASS A EXCAVATION AT ABUTMENTS AND WINGWALLS SEE SHEET 2.
 DRAINAGE TROUGH TO HAVE MIN. 1/8" PER FOOT SLOPE IN EACH DIRECTION FROM EDGE OF SLOPE WALL AND TO TERMINATE IN ROADWAY DITCH.
 FOR LOCATION OF NAME PLATES SEE SHEET 9.

ABUTMENT PILE NOTES:
 1. DRIVE A CONCRETE TEST PILE AT EACH ABUTMENT.
 2. CONSTRUCT EMBANKMENT AS SHOWN.
 3. DRILL OVERSIZE HOLES THROUGH THE EMBANKMENT TO THE EXISTING GROUND FOR THE ABUTMENT AND WING PILES.
 4. DRIVE THE REMAINDER OF THE CONCRETE PILES FOR THE ABUTMENTS THROUGH THE OVERSIZED HOLES TO THE CAPACITY SHOWN ON THE PLANS AND TO A PENETRATION BELOW EXISTING GROUND NOT LESS THAN DETERMINED FROM THE TEST PILES.
 5. DRIVE THE TIMBER PILES FOR THE ABUTMENT WINGS THROUGH THE OVERSIZED HOLES TO THE CAPACITY SHOWN ON THE PLANS AND TO A MINIMUM PENETRATION OF 10 FEET INTO THE EXISTING GROUND.
 6. SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS

ROAD CLASSIFICATION = E-1
DESIGN SPEED = 45 M.P.H.
DESIGN LOADS
 L.L. H15-S12-44
 FUTURE D.L. 12" BIT. WEARING SURFACE
DESIGN STRESSES
CONCRETE (CAST IN PLACE)
 f_c = 3500 LBS. PER SQ. IN.
 f_c = 1400 LBS. PER SQ. IN.
 f_c = 2,000 LBS. PER SQ. IN. (WITH EARTH PRESSURE) 1000 LBS. PER SQ. IN.
 v = (PIER FOOTING) 75 LBS. PER SQ. IN.
 n = 10
PRESTRESSED CONCRETE
 f_c = 5,000 LBS. PER SQ. IN.
 f_{cl} = 4,000 LBS. PER SQ. IN.
 f_c = 2,000 LBS. PER SQ. IN.
REINFORCING STEEL
 f_s = 20,000 LBS. PER SQ. IN.
PRETENSIONING STEEL
 f_{su} = 248,000 LBS. PER SQ. IN.
 f_{sl} = 173,000 LBS. PER SQ. IN.
PILE LOADS
 ABUTMENTS = 35 TONS (CONCRETE PILES)
 WINGWALLS = 10 TONS (TIMBER PILES)
SOIL PRESSURE
 PIERS 7,000 LBS. PER SQ. FT.



GENERAL PLAN & ELEVATION
GRADE SEPARATION
CROSS ROAD
OVER F.A.I. ROUTE 80
F.A. PROJECT 1-80-4(2)116
F.A.I. ROUTE 80 SECTION (32,47)-4
GRUNDY-KENDALL COUNTY
STATION 1574+07.48

APRIL 20 1959
 J. McRomine
 ENGINEER OF BRIDGE & TRAIL STRUCTURES

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