

MINNESOTA DEPARTMENT OF TRANSPORTATION

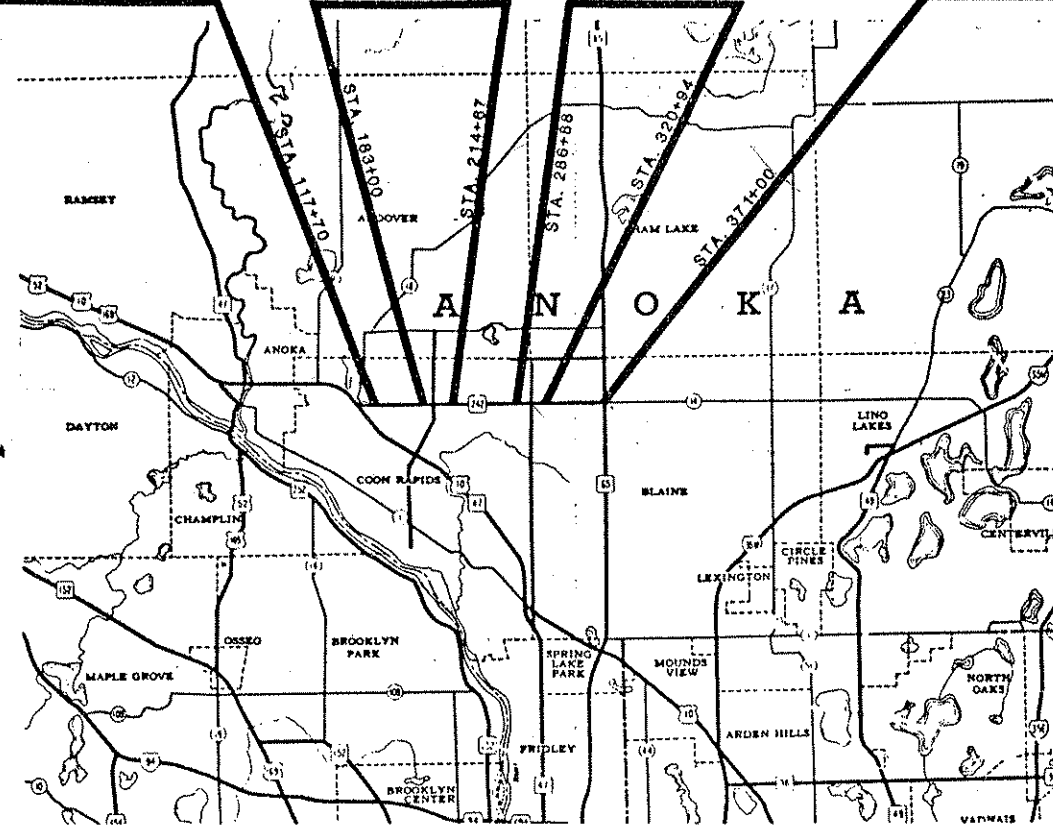
CONSTRUCTION PLAN FOR BITUMINOUS RESURFACING, SHOULDERS AND TURN LANES

LOCATED ON T.H. 242 FROM 0.12 MILE EAST OF T.H. 10 TO 0.25 MILE WEST OF T.H. 65

STATE PROJ. NO. 0212-28
 MINN. PROJ. NO. _____
 GROSS LENGTH 25330.00 FEET 4.797 MILES
 BRIDGES-LENGTH _____ FEET _____ MILES
 EXCEPTIONS-LENGTH 8573.00 FEET 1.245 MILES
 NET LENGTH 18757.00 FEET 3.552 MILES
 MILE POINT _____ TO MILE POINT _____

STATE PROJ. NO. _____
 MINN. PROJ. NO. _____
 GROSS LENGTH _____ FEET _____ MILES
 BRIDGES-LENGTH _____ FEET _____ MILES
 EXCEPTIONS-LENGTH _____ FEET _____ MILES
 NET LENGTH _____ FEET _____ MILES
 MILE POINT _____ TO MILE POINT _____

BEGIN S.P. 0212-28(T.H. 242) EXCEPTION EXCEPTION END S.P. 0212-28(T.H. 242)



GOVERNING SPECIFICATIONS

THE 1978 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" SHALL GOVERN.

INDEX

| SHEET NO. | DESCRIPTION |
|-----------|---|
| 1 | TITLE SHEET |
| 2 | ESTIMATED QUANTITIES |
| 3 | STANDARD PLATES |
| 3 | CONSTRUCTION AND SOIL NOTES, TURF ESTABLISHMENT |
| | GRAVEL PITS |
| | POLYSTYRENE INSULATION |
| 4 | EARTHWORK SUMMARY |
| 5-6 | TYPICAL SECTIONS |
| 7 | PUBLIC UTILITIES |
| 7 | TRAFFIC BARRIER |
| | MILLING PROFILE STA. 177 TO 184 AND STA. 322 TO 328 |
| 8 | DRAINAGE TABULATION |
| 9 | DRAINAGE TABULATION |
| | CULVERT BEDDING |
| 10 | DETOUR DETAILS |
| 11-12 | EROSION CONTROL |
| 13-24 | PLAN SHEETS |
| 25-34 | CROSS SECTIONS |

THIS PLAN CONTAINS 34 SHEETS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE 2/02/83 REG. NO. 8926 ENGR. Howe C. Ellis
 DESIGN SQUAD GEORGE D. SHORBA: BASSETT CREEK PLAZA
T.H. 100 & C.S.A.H. 66 TEL. 545-3761 X-189

Right of Way Approval [Signature] 2-7 1983
 DIRECTOR, RIGHT OF WAY OPERATIONS

Recommended for Approval [Signature] 2-2 1983
 ASSISTANT DISTRICT ENGINEER

Recommended for Approval [Signature] 3-7 1983
 TRANSPORTATION PLANS ENGINEER

Recommended for Approval [Signature] 3-8-1983
 DESIGN SERVICES DIRECTOR

Recommended for Approval _____ 19____

Approved 3-8 1983 [Signature]
 DIRECTOR, OFFICE OF ENGINEERING SERVICES

DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION

APPROVED
 DIVISION ADMINISTRATOR _____ DATE _____

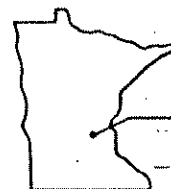
I HEREBY CERTIFY THAT THE FINAL FIELD REVISIONS, IF ANY, OF THIS PLAN WERE MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE _____ REG. NO. _____

SCALES
 PLAN _____ 50'
 PROFILE _____ 5'
 INDEX MAP _____ 2 MILES
 GENERAL LAYOUT _____

DESIGN DESIGNATION-TIER III

ADT (Current Year) 1980 = 9000 Design Speed 50 MPH POSTED
 ADT (Future Year) 2002 = 26327 Based on _____ Sight Distance
 DHV (Design Hr. Vol.) = 1056 Height of eye _____ Height of object _____
 D (Directional Distr.) = 50 % Design Speed not achieved at:
 T (Heavy Commercial) = 6 %
 STA. _____ TO STA. _____ MPH
 STA. _____ TO STA. _____ MPH



PROJECT LOCATION
 ANOKA COUNTY
 GOLDEN VALLEY

FOR PLANS AND UTILITIES SYMBOLS SEE TECHNICAL MANUAL

STATE PROJ. NO. _____ AREA _____ JOB _____
0212-28 _____ _____

STATE PROJ. NO. 0212-28 (T.H. 242=242) SHEET NO. 1 OF 34 SHEETS

55108

STATEMENT OF ESTIMATED QUANTITIES

| ITEM NO. | ITEM | UNIT | TOTAL ESTIMATED QUANTITIES | TOTAL FINAL QUANTITIES |
|----------|---|----------|----------------------------|------------------------|
| 2021.501 | MOBILIZATION | LUMP SUM | | |
| 2031.503 | FIELD LABORATORY TYPE D (1) | EACH | 2 | |
| 2051.501 | MAINTENANCE AND RESTORATION OF HAUL ROADS | LUMP SUM | | |
| 2102.501 | REMOVE PAVEMENT MARKING - TEMPORARY | SQ. FT. | 185 | |
| 2104.501 | REMOVE PIPE CULVERTS (2) | LIN. FT. | 158 | |
| 2104.521 | SALVAGE PIPE CULVERTS | LIN. FT. | 372 | |
| 2104.521 | SALVAGE GUARDRAIL - PLATE BEAM | LIN. FT. | 100 | |
| 104.604 | MILL BITUMINOUS SURFACE (3) | SQ. YD. | 2133 | |
| 2105.501 | COMMON EXCAVATION (4) | CU. YD. | 4117 (P) | |
| 2105.521 | GRANULAR BORROW (L.V.) | CU. YD. | 4014 | |
| 2105.525 | TOPSOIL BORROW (L.V.) | CU. YD. | 3585 | |
| 2105.543 | STABILIZING AGGREGATE | TON | 100 | |
| 2221.502 | AGGREGATE SHOULDERS, CLASS 5 (5) | CU. YD. | 3377 | |
| 2331.504 | BITUMINOUS MATERIAL FOR MIXTURE | TON | 527 | |
| 2331.510 | BINDER COURSE MIXTURE | TON | 5407 | |
| 2331.514 | BASE COURSE MIXTURE | TON | 206 | |
| 2331.516 | SHOULDER MIXTURE (6) | TON | 4567 | |
| 331.603 | TEMPORARY LANE MARKING | LIN. FT. | 1732 | |
| 2357.502 | BITUMINOUS MATERIAL FOR TACK COAT | GALLON | 5409 | |
| 2361.504 | ASPHALT CEMENT | TON | 122 | |
| 2361.508 | WEARING COURSE MIXTURE | TON | 2028 | |
| 2501.511 | 15" C.S. PIPE CULVERT | LIN. FT. | 530 | |
| 2501.511 | 18" C.S. PIPE CULVERT | LIN. FT. | 116 | |
| 2501.511 | 24" C.S. PIPE CULVERT | LIN. FT. | 14 | |
| 2501.511 | 60" A.B.-C.S. PIPE CULVERT (7) | LIN. FT. | 92 | |
| 2501.515 | 15" G.S. PIPE APRON | EACH | 13 | |
| 2501.515 | 18" G.S. PIPE APRON | EACH | 7 | |
| 2501.515 | 60" G.S. PIPE APRON | EACH | 2 | |
| 2501.571 | INSTALL METAL CULVERTS | LIN. FT. | 230 | |
| 2501.573 | INSTALL METAL APRONS | EACH | 58 | |
| 2501.573 | INSTALL CONCRETE APRONS | EACH | 2 | |
| 501.602 | F & I 24" C.S. SAFETY APRON | EACH | 6 | |
| 504.605 | 4" POLYSTYRENE INSULATION | SQ. YD. | 56 | |
| 2506.507 | CONSTRUCT CATCH BASINS DESIGN C OR G | LIN. FT. | 4 | |
| 2506.511 | RECONSTRUCT MANHOLES (8) | LIN. FT. | 8 | |
| 2506.516 | CASTING ASSEMBLIES | EACH | 1 | |
| 2506.521 | INSTALL CASTINGS (9) | EACH | 1 | |
| 2554.501 | TRAFFIC BARRIER DESIGN 8330 | LIN. FT. | 500 | |
| 2554.501 | TRAFFIC BARRIER DESIGN 08307 | LIN. FT. | 238 | |
| 2554.509 | GUIDE POSTS TYPE B | EACH | 3 | |
| 2554.511 | INSTALL TRAFFIC BARRIER DESIGN 88307 | LIN. FT. | 75 | |
| 2554.521 | ANCHORAGE ASSEMBLIES - CABLE | EACH | 2 | |
| 2554.521 | ANCHORAGE ASSEMBLIES - PLATE BEAM | EACH | 1 | |
| 554.602 | INSTALL ANCHORAGE ASSEMBLIES - PLATE BEAM | EACH | 1 | |
| 554.607 | TWISTED END TREATMENT | EACH | 1 | |
| 2575.501 | ROADSIDE SEEDING | ACRE | 3 (P) | |
| 2575.502 | SEED MIXTURE B | POUND | 128 | |
| 2575.505 | SODDING | SQ. YD. | 14,369 | |
| 2575.511 | M.H. MATERIAL TYPE 1 | TON | 6 | |
| 2575.519 | DISC ANCHORING | ACRE | 3 (P) | |
| 2575.531 | COMMERCIAL FERTILIZER ANALYSIS 10-20-20 | TON | 1 | |
| 575.602 | HAY OR STRAW BALES (8) | EACH | 150 | |

THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT.

| STANDARD PLATES | |
|-----------------|--|
| PLATE NO. | DESCRIPTION |
| 0003A | SPECIFICATION REFERENCE TO STANDARD PLATES |
| 3000I | REINFORCED CONCRETE PIPE |
| 3040F | CORRUGATED METAL PIPE |
| 3041B | CORRUGATED METAL PIPE |
| 3123H | METAL APRON FOR C.M. PIPE |
| 3128C | SAFETY APRON |
| 3145A | CONCRETE PIPE TIES |
| 3221C | CORRUGATED STEEL PIPE COUPLING BAND |
| 4000H | MANHOLE OR CATCH BASIN |
| 4002D | MANHOLE OR CATCH BASIN |
| 4005K | MANHOLE OR CATCH BASIN |
| 4006K | MANHOLE OR CATCH BASIN |
| 4143D | STOOL GRATE AND CONCRETE FRAME |
| 4180G | MANHOLE OR CATCH BASIN STEP |
| 8000H | STANDARD BARRICADES |
| 8150B | INSTALLATION OF CULVERT MARKERS |
| 8307L | STRUCTURAL PLATE BEAM GUARDRAIL |
| 8330D | 3-CABLE GUARDRAIL |
| 9102C | SODDING AT PIPE CULVERT ENDS |

- ① A SECOND LABORATORY IS PROVIDED FOR USE, IF NEEDED, AT A PORTABLE BITUMINOUS PLANT AS DIRECTED BY THE ENGINEER.
- ② EXCAVATION NECESSARY FOR CULVERT REMOVAL AT STA. 178+95 INCLUDES 17 CU.YDS. OF BITUMINOUS REMOVAL. THIS IS INCIDENTAL WORK FOR WHICH NO DIRECT PAYMENT WILL BE MADE. COMPENSATION SHALL BE INCLUDED UNDER SPEC. 2104.
- ③ FROM STA. 178+00 TO 183+00, 0 TO 16" DEPTH (8" AVERAGE) AND FROM STA. 324+00 TO 327+00, 0 TO 5" DEPTH (3" AVERAGE). SEE PROFILES ON SHEET NO. 7.
- ④ INCLUDES 15 CU.YDS. OF BITUMINOUS REMOVALS OTHER THAN PAID FOR UNDER SPEC. 2501.515 - 60" A.B.-C.S. PIPE CULVERT AND SPEC. 2104.501 - REMOVE PIPE CULVERTS. THIS 15 CU.YDS. OF BITUMINOUS REMOVALS IS INCLUDED IN THE COMMON EXCAVATION. NO OTHER DIRECT PAYMENT WILL BE MADE FOR THEIR REMOVAL. ALL BITUMINOUS REMOVALS SHALL BE THE PROPERTY OF THE CONTRACTOR AND SHALL NOT BE DISPOSED OF WITHIN THE RIGHT OF WAY.
- ⑤ INCLUDES 75 CU.YDS. FOR BEDDING CULVERT AT STA. 179+05 AS DIRECTED BY THE ENGINEER.
- ⑥ INCLUDES 401 TONS FOR ROAD CONNECTIONS AND ENTRANCES.
- ⑦ EXCAVATION NECESSARY FOR CULVERT CONSTRUCTION INCLUDES 36 CU.YDS. OF BITUMINOUS REMOVAL. THIS IS INCIDENTAL WORK FOR WHICH NO DIRECT PAYMENT WILL BE MADE. COMPENSATION SHALL BE INCLUDED UNDER SPEC. 2105. IF STD. PLATE 3041 IS USED, USE 12 GAGE MIN.
- ⑧ TO BE USED FOR TEMPORARY EROSION CONTROL AS DIRECTED BY THE ENGINEER.
- ⑨ STA. 276+40, 57' LT.-PROVIDE STEPS IN RECONSTRUCTED M.H.

ESTIMATED QUANTITIES
STANDARD PLATES

CONSTRUCTION AND SOILS NOTES

SELECT GRADING MATERIAL SHALL CONSIST OF GRANULAR MATERIAL AND SELECT GRANULAR MATERIAL.

GRANULAR MATERIAL, REGARDLESS OF SOURCE, SHALL MEET THE REQUIREMENTS OF SPEC. 3149.2A.

SELECT GRANULAR MATERIAL, REGARDLESS OF SOURCE, SHALL MEET THE REQUIREMENTS OF SPEC. 3149.2B.

STABILIZING AGGREGATE WHETHER OBTAINED LOCALLY OR FROM BORROW SHALL MEET THE REQUIREMENTS OF SPEC. 3149.2C.

IN ANY NEW CONSTRUCTION (FILL SECTION) THE UPPER 4.0' OF THE GRADING SUBGRADE SHALL BE CONSTRUCTED OF SELECT GRADING MATERIAL, THE UPPER 1.0' OF WHICH SHALL BE SELECT GRANULAR MATERIAL.

STRIP AND REUSE AS SLOPE DRESSING. ALL TOPSOIL AND IMPLACE SLOPE DRESSING IN AREAS TO BE DISTURBED BY CONSTRUCTION. APPROXIMATE DEPTH OF IMPLACE SLOPE DRESSING IS 4" AVERAGE.

SLOPE DRESSING ON THE PROJECT IS DEFINED AS THE IMPLACE NATURAL TOPSOIL AND THE TURF ESTABLISHMENT SOILS PLACED BY PRIOR CONSTRUCTION.

THE BOTTOM OF THE EXCAVATIONS MADE TO ACCOMMODATE THE PROPOSED BITUMINOUS BASE AND CLASS 5 AGGREGATE SHALL BE PREPARED IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SPEC. 2105 AND COMPACTED WITH A MINIMUM OF FOUR PASSES WITH AN APPROVE COMPACTING DEVICE AND TO THE SATISFACTION OF THE ENGINEER.

COMPACTION OF ALL BITUMINOUS ITEMS, THE SPEC. 2221 AGGREGATE SHOULDERING AND THE GRADING PORTION OF THIS PROJECT, SHALL BE OBTAINED BY THE "ORDINARY COMPACTION METHOD."

WHERE EXCAVATING ADJACENT TO PAVEMENT THAT WILL REMAIN IMPLACE, MATERIAL SHALL NOT BE REMOVED FROM INSIDE A 1:1 SLOPED LINE DRAWN DOWNWARD AND OUTWARD FROM THE BOTTOM OF THE IMPLACE PAVEMENT.

WHEN BEGINNING OR ENDING RESURFACING, NOTCH INTO EXISTING BITUMINOUS AS DIRECTED BY THE ENGINEER.

ANY TEMPORARY DIKING AND PUMPING REQUIRED FOR PIPE INVERT INSTALLATIONS WILL BE AS DIRECTED BY THE ENGINEER. THIS IS INCIDENTAL WORK FOR WHICH NO DIRECT PAYMENT WILL BE MADE. COMPENSATION SHALL BE INCLUDED UNDER 2501.

BITUMINOUS AND CONCRETE ITEMS DISTURBED BY THIS CONSTRUCTION SHALL BE DISPOSED OF BY THE CONTRACTOR OFF THE RIGHT OF WAY AND PROJECT LIMITS.

TEST ROLLING WILL NOT BE REQUIRED ON THIS PROJECT.

TURF ESTABLISHMENT

PLACE A MINIMUM OF 6" OF SLOPE DRESSING ON AREAS SCHEDULED FOR TURF ESTABLISHMENT.

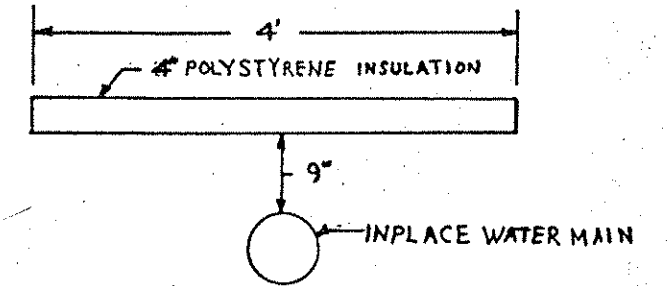
SOD ALL DISTURBED AREAS EXCEPT LT. AND RT. STA. 176+00 TO 182+75 AND LT. STA. 221+60 TO 226+80 AND RT. STA. 220+91 TO 226+10 WHICH WILL BE SEEDED WITH SEED MIXTURE B AT THE RATE OF 45 LBS./ACRE. SEEDING AREA WAS COMPUTED BY SLOPE MEASUREMENT, ALSO SOD DITCH LT. & RT. STA. 178+00-180+00.

FERTILIZE WITH COMMERCIAL FERTILIZER, ANALYSIS 10-20-20, AT THE RATE OF 350 LBS PER ACRE, OR EQUIVALENT, ON ALL AREAS TO BE SEEDED OR SODDED.

MULCH ALL SEEDED AREAS WITH TYPE 1 MULCH AT THE RATE OF 2 TONS PER ACRE AND DISC ANCHOR.

SLOPE DRESSING, SODDING AND TURF ESTABLISHMENT OPERATIONS WILL PROCEED IMMEDIATELY AFTER EACH AREA CONSTRUCTION TO PREVENT EROSION AS DIRECTED BY THE ENGINEER.

POLYSTYRENE INSULATION DETAIL



T.H. 242 STA. 275+25 TO 276+50 67' LT. (UNDER BACKSLOPE)

EARTHWORK SUMMARY

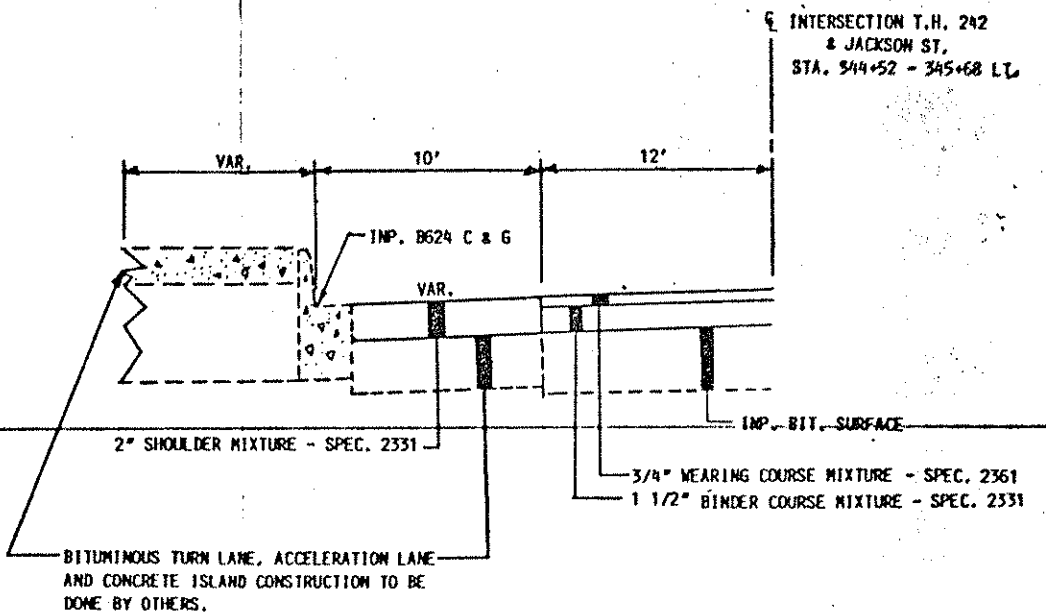
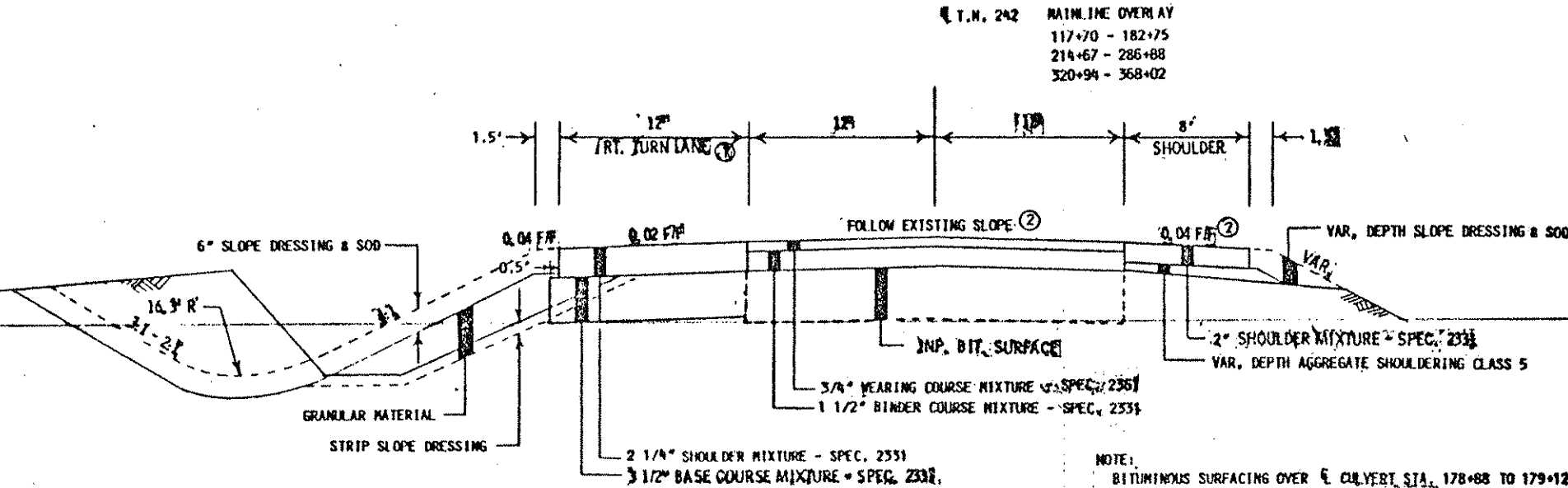
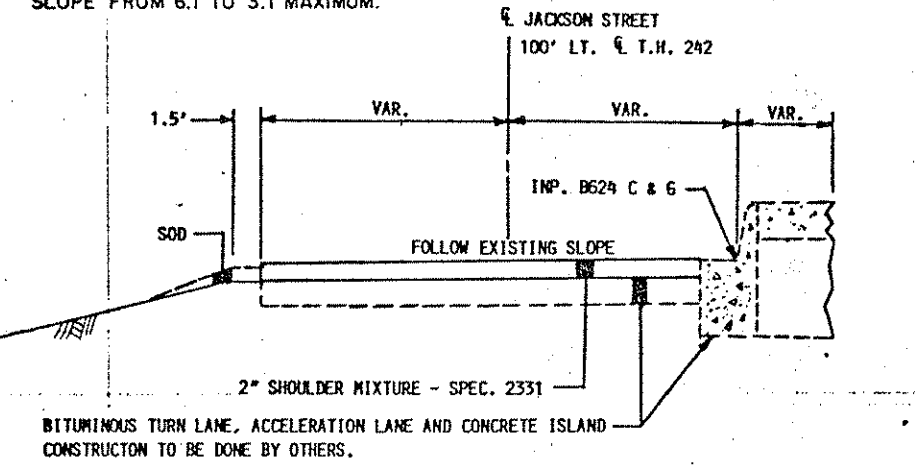
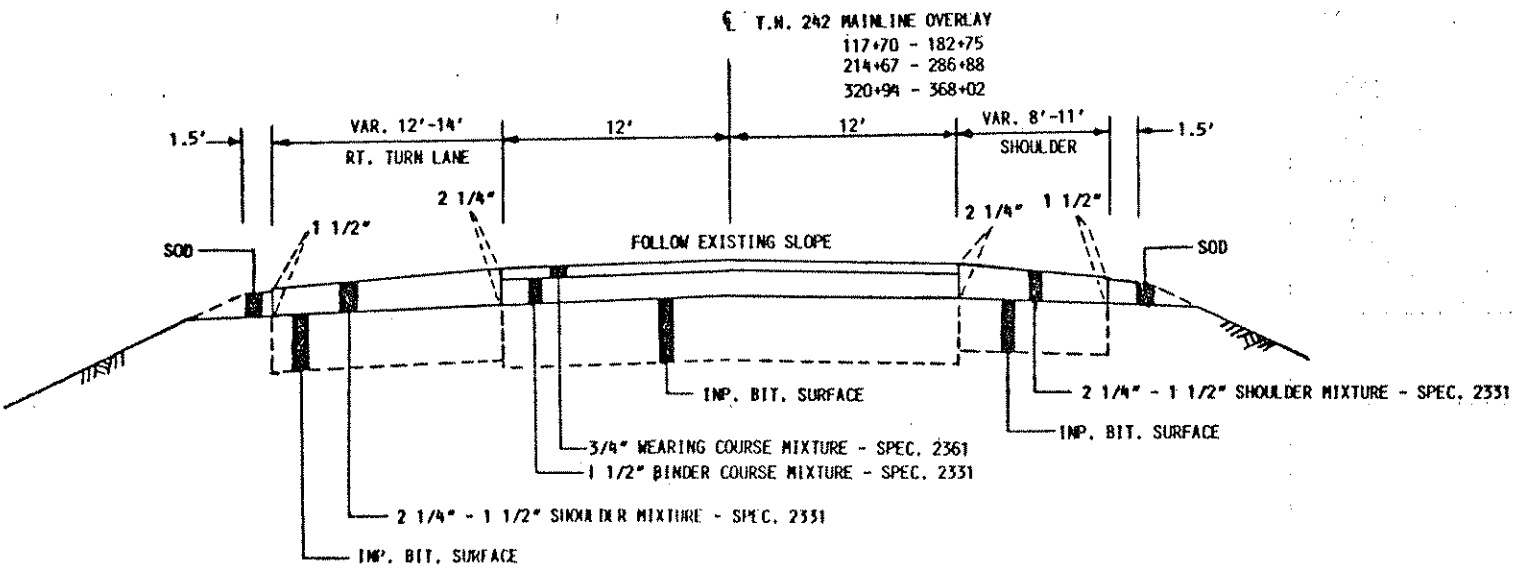
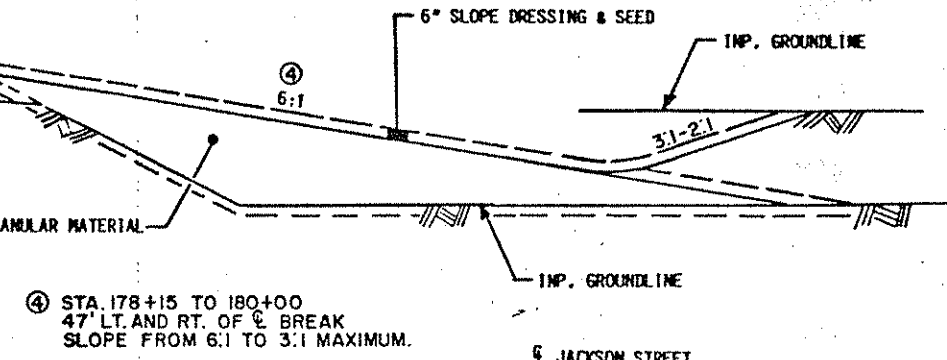
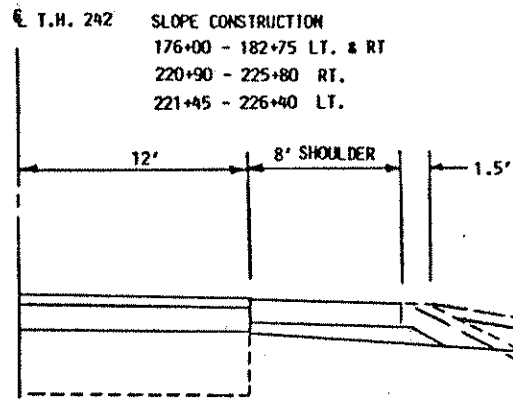
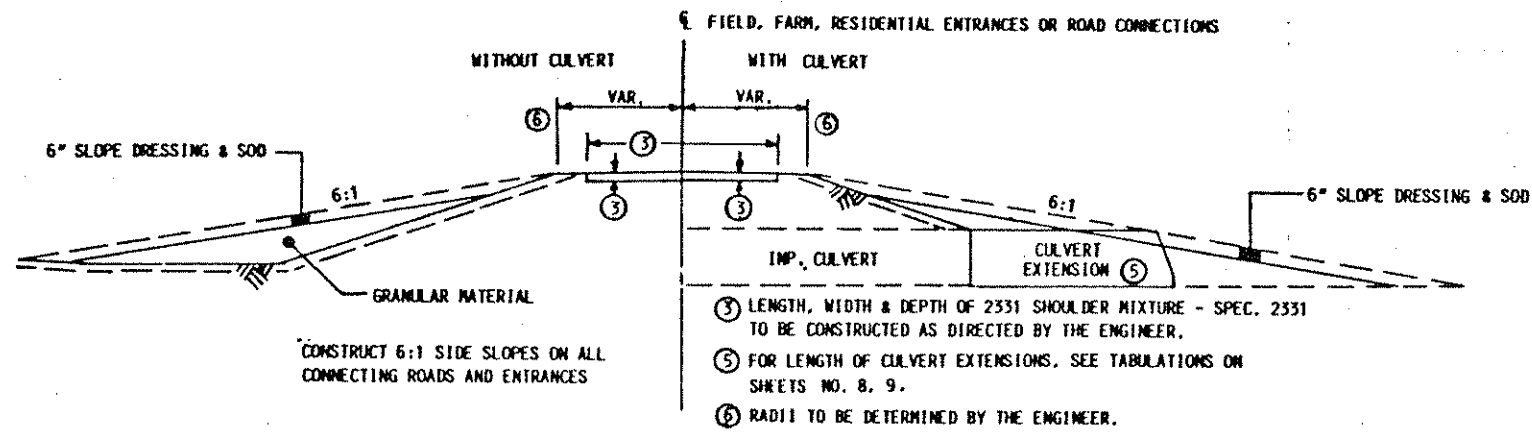
| | | |
|-------------------|------------------|--|
| COMMON EXCAVATION | 4117 C.Y. | 2351 REGULAR |
| | | 1751 TOPSOIL STRIPPING |
| | | 15 BITUMINOUS PAVEMENT REMOVAL (ENT. APRS.) TO BE DISPOSED OF BY CONTRACTOR OFF OF R/W & PROJECT LIMITS. |
| EMBANKMENT | 8484 C.Y. | 4635 REGULAR |
| | | 3849 SLOPE DRESSING |
| GRANULAR BORROW | 4014 C.Y. (L.V.) | |
| TOPSOIL BORROW | 3585 C.Y. (L.V.) | |

| GRAVEL PITS | | | |
|-------------|---------|----------|---|
| CO. | PIT NO. | COUNTY | LEGAL DESCRIPTION |
| | 3125 | HENNEPIN | 15.0 A.C. IN THE S.W. 1/4 OF S.E. 1/4 OF SEC. 14, T119N, R22W |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

① POSSIBLE SOURCE OF GRANULAR MATERIAL, STABILIZING AGGREGATES, AGGREGATE SHOULDERING CLASS 5, AND AGGREGATES USED IN THE PRODUCTION OF BITUMINOUS MIXTURES, EXCEPT 2561 YEAR. A GRADATION CORRECTION MAY BE REQUIRED.

GRAVEL PIT SHEETS ARE NOT INCLUDED IN THIS PLAN. PRINTS OF PIT SHEETS MAY BE OBTAINED AT THE TIME PLANS AND PROPOSALS ARE PURCHASED.

CONSTRUCTION AND SOILS NOTES
TURF ESTABLISHMENT
GRAVEL PITS
POLYSTYRENE INSULATION
EARTHWORK SUMMARY



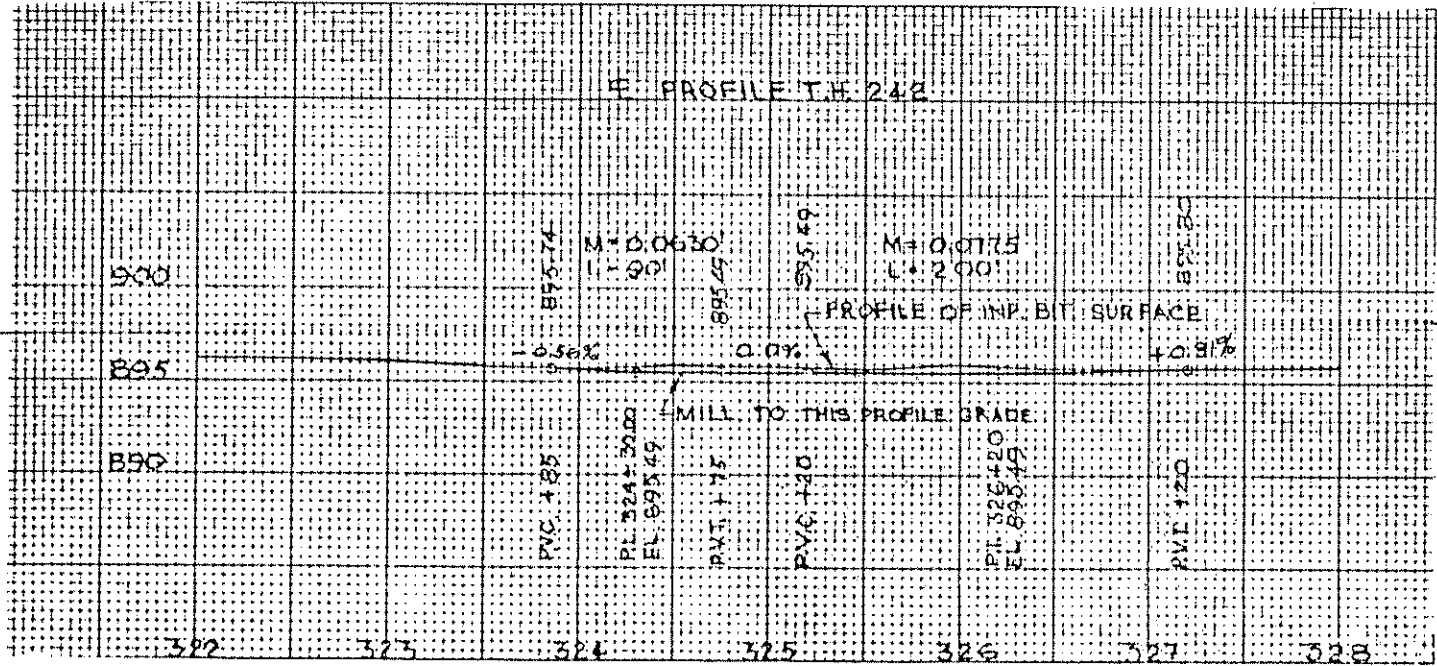
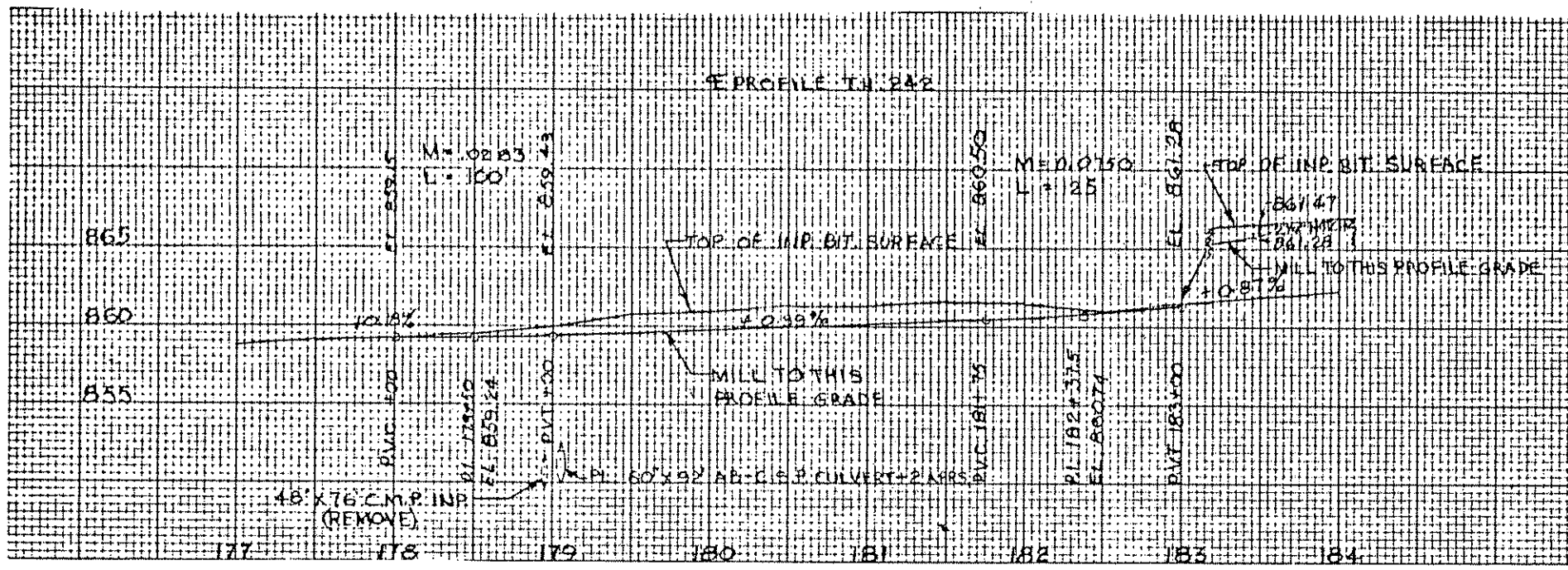
- ① NEW CONSTRUCTION
268+00 - 278+20 LT.
- ② FROM STA. 178+00 TO 183+00 AND 323+85 TO 327+20, THIS AREA TO BE WIDENED TO 0.015 F/F TRANSVERSE SLOPE. SHOULDERS TO BE GRADED TO 0.04 F/F TRANSVERSE SLOPE.

NOTE:
BITUMINOUS SURFACING OVER CULVERT STA. 178+88 TO 179+12
3/4\"/>

TRAFFIC BARRIER

| STATION | LOCATION | INPLACE | | SALVAGE | | INSTALL DESIGN B8307 | CON.STRUCT DESIGN 8330 | CONSTRUCT DESIGN B8307 | ANCHORAGE ASSEMBLIES | | INSTALL ANCHORAGE ASSEMBLIES PLATE BEAM | TWISTED END TREATMENT | REMARKS |
|------------------|------------------|--------------|-------------|-------------|----------|----------------------|------------------------|------------------------|----------------------|------------|---|-----------------------|------------------------|
| | | DESIGN B8307 | DESIGN 8330 | PLATE BEAM | CABLE | | | | CABLE BEAM | PLATE BEAM | | | |
| | | LIN. FT. | LIN. FT. | LIN. FT. | LIN. FT. | | | | | | | | |
| 139+00 TO 139+38 | 15' LT. | | | | | 12.5 | | 25.0 | | | | 1 | CONNECT TO BRIDGE RAIL |
| 138+88 TO 139+38 | 15' RT. | 62.5 (1) | | 62.5 (1)(2) | | 25.0 | | | | | | 1 | CONNECT TO BRIDGE RAIL |
| 139+67 TO 140+00 | 15' LT. | 37.5 (3) | | 37.5 (3) | | 37.5 (3) | | | | | 1 | | CONNECT TO BRIDGE RAIL |
| 139+67 TO 139+92 | 15' RT. | | | | | | | 25.0 | | | | 1 | CONNECT TO BRIDGE RAIL |
| 324+00 TO 329+00 | 21.5' - 25.5' R. | | | | | | 500.0 | | 2 | | | | |
| 327+73 TO 329+92 | 21.5'-55' LT. | | | | | | | 187.5 (4) | 1 | | | 1 | |

- ① INCLUDES 25 LIN. FT. TRAFFIC BARRIER DESIGN 8319
- ② INCLUDES SALVAGING THE INP. ANCHORAGE ASSEMBLY
- ③ INCLUDES 25 LIN. FT. OF 15' RAD. BENDS
- ④ INCLUDES 12.5 LIN. FT. 5' RAD. BEND (CONVEX)



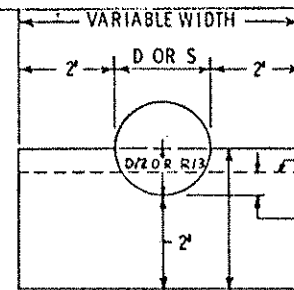
TRAFFIC BARRIER
MILLING PROFILE STA. 177 TO 184
AND STA. 322 TO 328

DRAINAGE

| STATION | LOCATION | ITEM IN PLACE | REMOVE PIPE CULVERT LIN. FT. | SALVAGE PIPE CULVERT LIN. FT. | CONSTRUCTION | | | CASTING ASSEMBLY TYPE | PIPE SIZE DIA. | C.S.P. LIN. FT. | R.C.P. LIN. FT. | A B C.S.P. LIN. FT. | END OF BARREL INLET ELEV. | END OF BARREL OUTLET ELEV. | END OF APRON INLET ELEV. | END OF APRON OUTLET ELEV. | APRONS | | INSTALL METAL APRONS EACH | INSTALL CONCRETE APRONS EACH | GUIDE POSTS TYPE B EACH | INSTALL METAL CULVERTS LIN. FT. | BEDDING CU. YD. | REMARKS | | |
|------------------|----------|-----------------------------|---------------------------------|----------------------------------|----------------|------------------------|---------------|--------------------------|-------------------|--------------------|--------------------|---------------------------|------------------------------|-------------------------------|-----------------------------|------------------------------|--------|---------------------------|------------------------------|---------------------------------|----------------------------|------------------------------------|--------------------|---------|-------------|--------------|
| | | | | | C.B. DESIGN | PAY HEIGHT LIN. FT. | T.C. ELEV. | | | | | | | | | | G.S. | C.S. SAFETY APRON EACH | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | CONCRETE | SAFETY APRON |
| 257+91 | ℄ | 30" X 84" C.M.P. + 2 APR | | | | | | | | | | | | | | | | | | | | | | | LEAVE AS IS | |
| 258+41 TO 258+43 | 57' RT | 15" X 52" C.M.P. + 2 APR | | | | | | | | | | | | | | | | | | | | | | | | LEAVE AS IS |
| 259+58 TO 259+70 | 57' RT | 15" X 58" C.M.P. + 2 APR | | | | | | | | | | | | | | | | | | | | | | | | LEAVE AS IS |
| 260+50 TO 262+00 | 112' LT | 12" X 140" C.M.P. | | | | | | | | | | | | | | | | | | | | | | | | LEAVE AS IS |
| 260+86 TO 261+56 | 54' RT | 15" X 68" C.M.P. + 2 APR | | | | | | | | | | | | | | | | | | | | | | | | LEAVE AS IS |
| 262+73 TO 263+79 | 46' RT | 15" X 58" C.M.P. + 2 APR | | 2 (1) | | | | | 15" | 4 | | | 897.87 | 897.83 | | | | | | | | | | | | LEAVE AS IS |
| 265+13 TO 265+43 | 47' RT | 15" X 26" C.M.P. + 2 APR | | | | | | | | | | | | | | | | | | | | | | | | LEAVE AS IS |
| 269+17 TO 269+69 | 43' LT | 15" X 44" C.M.P. | 45 | | | | | | 15" | 48 | | | 902.21 | 901.96 | | | | | | 2 | | | | | | LEAVE AS IS |
| 270+51 TO 271+15 | 43' LT | 15" X 52" C.M.P. + 2 APR | | 56 (2) | | | | | 15" | 6 | | | 901.49 | 901.18 | | | | | | | | | | | | |
| 271+64 TO 272+12 | 43' LT | 15" X 26" C.M.P. + 1 APR | | 28 (3) | | | | | 15" | 18 | | | 900.98 | 900.74 | | | | | | 1 | | | | | | |
| 272+58 TO 273+04 | 43' LT | 15" X 28" C.M.P. + 2 APR | | 32 (2) | | | | | 15" | 16 | | | 900.51 | 900.27 | | | | | | | | | | | | |
| 273+28 TO 273+82 | 44' LT | 15" X 26" C.M.P. + 2 APR | | 30 (2) | | | | | 15" | 24 | | | | | | | | | | | | | | | | |
| 273+87 TO 273+97 | 35' RT | 18" X 26" C.M.P. + 2 APR | | 2 (1) | | | | | 18" | 6 | | | 899.24 | 899.00 | | | | | | | | | | | | |
| 274+23 TO 274+35 | 35' RT | 18" X 26" C.M.P. + 2 APR | | 2 (1) | | | | | 18" | 8 | | | 898.86 | 898.80 | | | | | | | | | | | | |
| 274+22 TO 274+76 | 45' LT | 15" X 26" C.M.P. + 1 APR | | 28 (5) | | | | | 15" | 14 | | | 898.99 | 898.32 | | | | | | | | | | | 36 (5) | (6) |
| 275+35 TO 276+01 | 45' LT | 15" X 30" C.M.P. + 2 APR | | 34 (2) | | | | | 15" | | | | | | | | | | | | | | | | 62 (5) | (7) |
| 276+58 TO 277+02 | 36' RT | 15" X 42" C.M.P. + 1 APR | | 44 (3) | | | | | | | | | | | | | | | | | | | | | | (8) |
| 277+22 TO 277+26 | 36' RT | 15" X 30" C.M.P. | | | | | | | 15" | 2 | | | 896.95 | 896.95 | | | | | | | | | | | | (9) |
| 277+56 TO 277+62 | 36' RT | 15" X 30" C.M.P. | | | | | | | 15" | 4 | | | 896.21 | 896.11 | | | | | | 1 | | | | | | |
| 283+28 TO 283+93 | 60' RT | 24" X 64" C.M.P. + 2 APR | | | | | | | | | | | | | | | | | | | | | | | | LEAVE AS IS |
| 286+24 | ℄ | 56" X 74" C.M.P. + 2 APR | | | | | | | | | | | | | | | | | | | | | | | | LEAVE AS IS |
| 322+94 TO 323+12 | 54' RT | 18" X 52" C.M.P. + 2 APR | | 2 (1) | | | | | 18" | 16 | | | 889.24 | 889.24 | | | | | | | | | | | | |
| 323+64 TO 323+90 | 54' RT | 18" X 52" C.M.P. + 2 APR | | 2 (1) | | | | | 18" | 24 | | | 889.33 | 888.58 | | | | | | | | | | | | |
| 328+16 | ℄ | 48" X 80" C.M.P. | | | | | | | | | | | | | | | | | | | | | | | | LEAVE AS IS |
| 329+54 TO 331+24 | 51' LT | 18" X 170" R.C.P. + 2 APR | | | | | | | | | | | | | | | | | | | | | | | | LEAVE AS IS |
| 329+75 TO 330+30 | 50' RT | 24" X 50" C.M.P. + 2 APR | | | | | | | | | | | | | | | | | | | | | | | | LEAVE AS IS |
| 330+49 TO 330+59 | 50' RT | 18" X 36" C.M.P. + 2 APR | | 2 (1) | | | | | 18" | 8 | | | 890.10 | 890.05 | | | | | | | | | | | | LEAVE AS IS |
| 330+95 TO 331+01 | 50' RT | 18" X 36" C.M.P. + 2 APR | | 2 (1) | | | | | 18" | 4 | | | 890.29 | 890.27 | | | | | | | | | | | | LEAVE AS IS |
| 332+73 TO 332+75 | 53' LT | 18" X 40" C.M.P. | | | | | | | 18" | | | | | | | | | | | | | | | | | |
| 333+15 TO 333+17 | 53' LT | 18" X 40" C.M.P. | | | | | | | 18" | | | | | | | | | | | | | | | | | |
| 334+05 TO 334+15 | 54' RT | 15" X 60" R.C.P. + 2 APR | | 6 (1) | | | | | 15" | | 4 (10) | | 892.19 | | 892.18 | | | | | | | | | | | |
| 334+74 TO 334+86 | 51' RT | 15" X 60" R.C.P. + 2 APR | | 6 (1) | | | | | 15" | | 6 (10) | | | 892.46 | 892.48 | | | | | | | | | | | |
| 335+85 TO 335+95 | 48' RT | 18" X 104" R.C.P. + 2 APR | | | | | | | | | | | | | | | | | | | | | | | | LEAVE AS IS |
| 341+10 TO 342+27 | 48' RT | 28" SPAN X 106" RCP + 2 APR | | | | | | | | | | | | | | | | | | | | | | | | LEAVE AS IS |
| 355+74 TO 356+76 | 43' LT | 12" X 90" R.C.P. + 2 APR | | | | | | | | | | | | | | | | | | | | | | | | LEAVE AS IS |
| 345+81 TO 345+95 | 38' RT | 18" X 28" C.M.P. + 2 APR | | 2 (1) | | | | | 18" | 12 | | | 898.42 | 898.30 | | | | | | | | | | | | LEAVE AS IS |
| 346+23 TO 346+29 | 38' RT | 18" X 28" C.M.P. + 2 APR | | 2 (1) | | | | | 18" | 4 | | | 899.85 | 899.93 | | | | | | | | | | | | |
| 347+79 TO 347+95 | 32' RT | 15" X 26" C.M.P. + 2 APR | | 2 (1) | | | | | 15" | 14 | | | 900.10 | 900.10 | | | | | | | | | | | | |
| 348+22 TO 348+32 | 32' RT | 15" X 26" C.M.P. + 2 APR | | 2 (1) | | | | | 15" | 8 | | | 900.62 | 900.45 | | | | | | | | | | | | |
| 354+68 TO 354+76 | 37' LT | 15" X 26" C.M.P. + 2 APR | | 2 (1) | | | | | 15" | 6 | | | 901.18 | 900.97 | | | | | | | | | | | | (4) |
| 355+02 TO 355+06 | 37' LT | 15" X 26" C.M.P. + 2 APR | | 2 (1) | | | | | 15" | 2 | | | 902.17 | 902.10 | | | | | | | | | | | | |
| 357+83 TO 357+94 | 49' LT | 24" X 32" C.M.P. + 2 APR | | 4 (1) | | | | | 24" | | | | 904.20 | 904.15 | | | | | | | | | | | | |
| 358+21 TO 358+30 | 49' LT | 24" X 32" C.M.P. + 2 APR | | 4 (1) | | | | | 24" | | | | 904.41 | 904.36 | | | | | | | | | | | | |
| 358+76 TO 358+85 | 49' LT | 24" X 36" C.M.P. + 2 APR | | 4 (1) | | | | | 24" | | | | 904.73 | 904.72 | | | | | | | | | | | | |
| 359+21 TO 359+25 | 49' LT | 24" X 36" C.M.P. + 2 APR | | 4 (1) | | | | | 24" | | | | 904.71 | 904.70 | | | | | | | | | | | | |
| 360+68 TO 360+74 | 47' LT | 15" X 22" C.M.P. + 2 APR | | 2 (1) | | | | | 15" | 4 | | | 905.99 | 905.95 | | | | | | | | | | | | |
| 360+96 TO 361+00 | 47' LT | 15" X 22" C.M.P. + 2 APR | | 2 (1) | | | | | 15" | 2 | | | 906.14 | 906.12 | | | | | | | | | | | | |
| 362+36 TO 362+66 | 38' RT | 15" X 30" C.M.P. | | | | | | | | | | | | | | | | | | | | | | | | LEAVE AS IS |
| 366+07 TO 366+13 | 34' LT | 15" X 22" C.M.P. + 2 APR | | 2 (1) | | | | | 15" | 4 | | | 903.38 | 903.29 | | | | | | | | | | | | |
| 366+35 TO 366+45 | 34' LT | 15" X 22" C.M.P. + 2 APR | | 2 (1) | | | | | 15" | 8 | | | 902.80 | 902.80 | | | | | | | | | | | | |
| 366+08 TO 366+14 | 35' RT | 15" X 22" C.M.P. + 2 APR | | 2 (1) | | | | | 15" | 4 | | | 903.38 | 903.38 | | | | | | | | | | | | |
| 366+36 TO 366+48 | 35' RT | 15" X 22" C.M.P. + 2 APR | | 2 (1) | | | | | 15" | 10 | | | 903.25 | 903.25 | | | | | | | | | | | | |

CULVERT BEDDING

- ① CONSISTS OF 1 APRON.
- ② INCLUDES 2 APRONS.
- ③ INCLUDES 1 APRON.
- ④ REPAIR DAMAGED END OF IN PLACE CULVERT TO THE SATISFACTION OF THE ENGINEER. THIS IS INCIDENTAL WORK FOR WHICH NO DIRECT PAYMENT WILL BE MADE. COMPENSATION SHALL BE INCLUDED UNDER SPEC. 2501.
- ⑤ PIPE CULVERT TO BE CUT TO DESIRED LENGTH AS DIRECTED BY THE ENGINEER. THIS IS INCIDENTAL WORK INCLUDED UNDER ITEM NO. 2501.
- ⑥ USE 10' OF SALVAGED PIPE & APRON FROM LT. STA. 276+75.
- ⑦ USE 32' OF SALVAGED PIPE FROM LT. STA. 276+75.
- ⑧ USE THIS SALVAGED PIPE AT LT. STA. 274+50 AND LT. STA. 275+65.
- ⑨ TIE ALL JOINTS.



D • OUTSIDE DIAMETER OF ROUND PIPE
R • OUTSIDE RISE OF PIPE-ARCH
S • OUTSIDE SPAN OF PIPE-ARCH

CONSTRUCT BEDDING TO THIS LINE BEFORE PLACING CULVERT OR SEWER.
DEPTH EQUAL TO R/6 OR 15% OF D

AGGREGATE SHOULDERING, CLASS 5

NOTE:
EXCAVATION NECESSARY FOR CULVERT BEDDING IS TO BE INCIDENTAL FOR WHICH NO DIRECT PAYMENT WILL BE MADE. COMPENSATION SHALL BE INCLUDED UNDER SPEC. 2501

DRAINAGE TABULATION
CULVERT BEDDING DETAIL

Bunker Lake Blvd.
Co.Rd. 116

Hanson Blvd.
Co.Rd. 78

131st Avenue

Co.Rd. 18
Crooked Lake Blvd.

Main Street

Main Street

TH-242 DETOUR



- Flasher
- Flag

* Deliver to locations shown,
but do NOT install unless told
to do so by Traffic personal

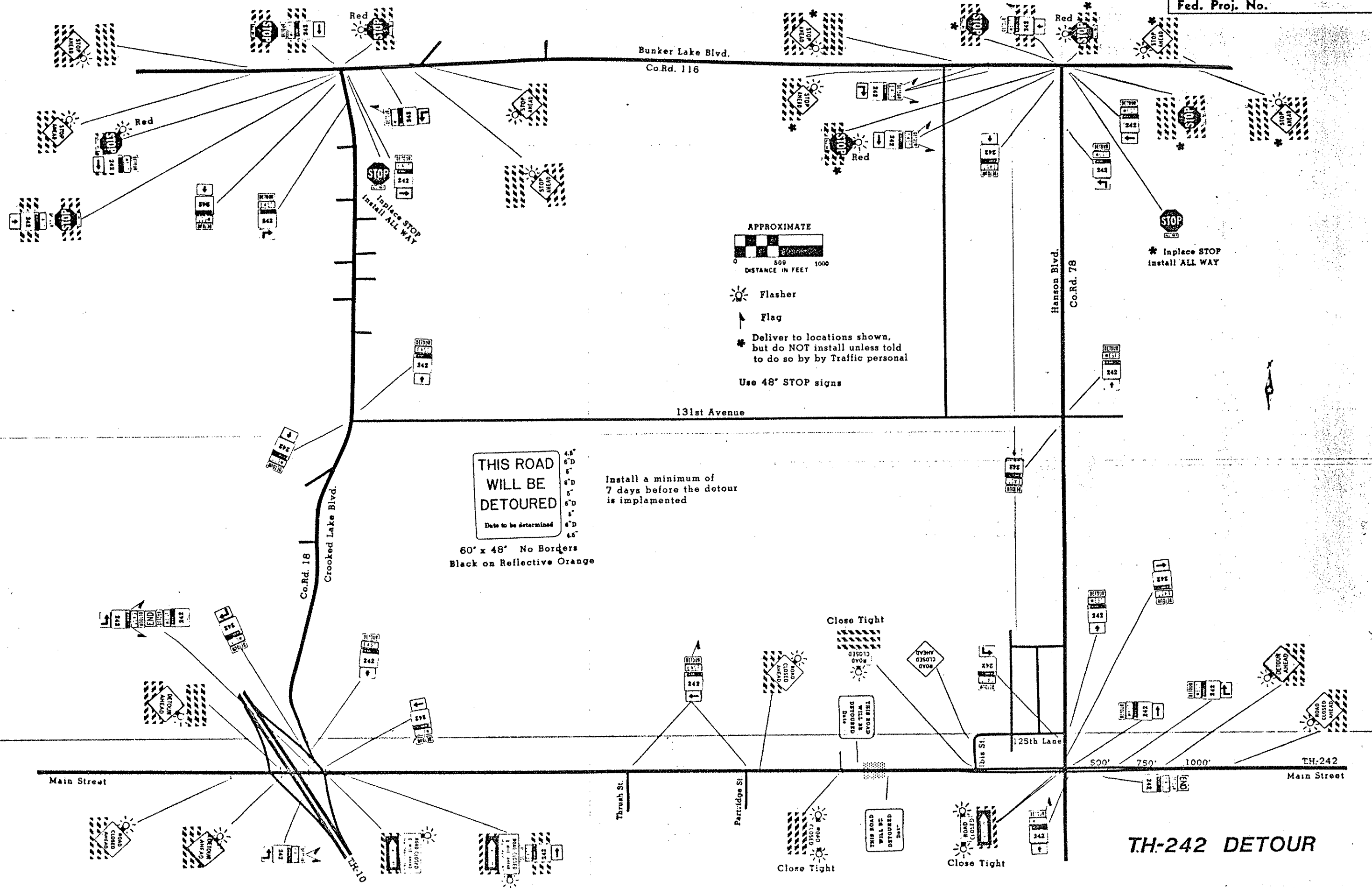
Use 48" STOP signs

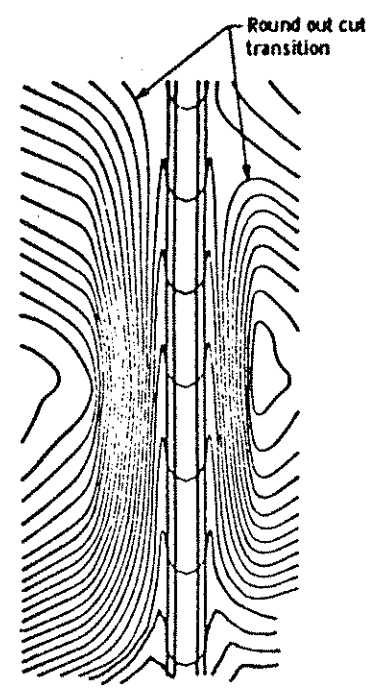
**THIS ROAD
WILL BE
DETOURED**

Date to be determined

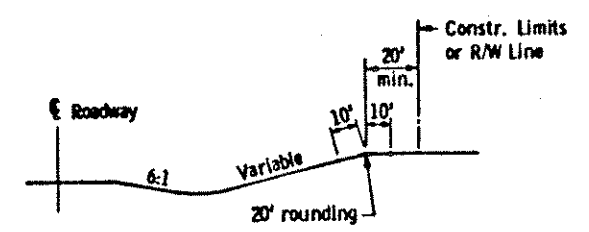
60" x 48" No Borders
Black on Reflective Orange

Install a minimum of
7 days before the detour
is implemented

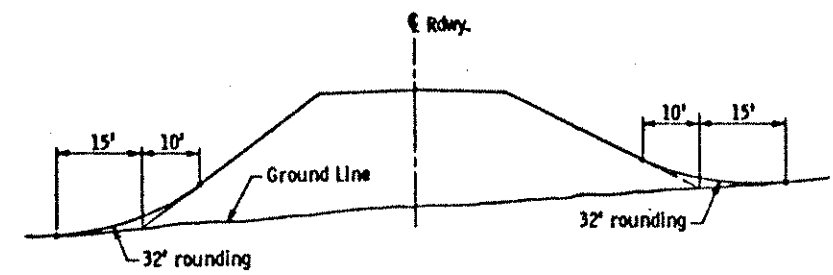




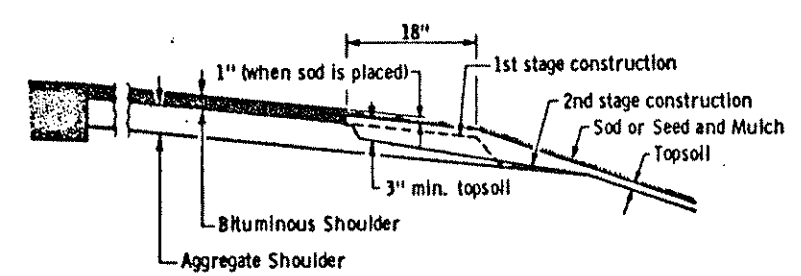
CONTOURING ROAD CUTS



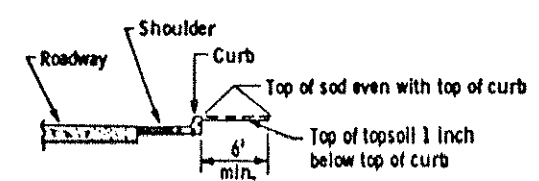
ROUNDING BACK SLOPES



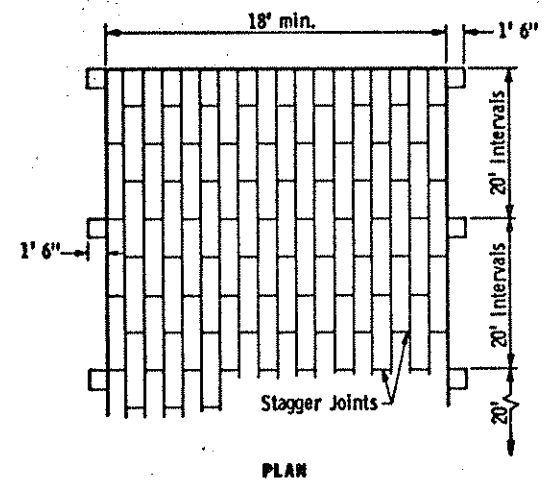
SHAPING FOR DRAINAGE ALONG THE TOE OF FILL SLOPES



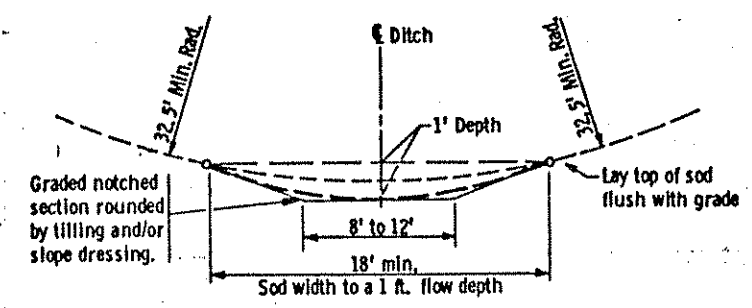
SHAPING AND TOPSOILING INSLOPES



SHAPING ADJACENT TO CURBS WHEN SOD IS PLACED

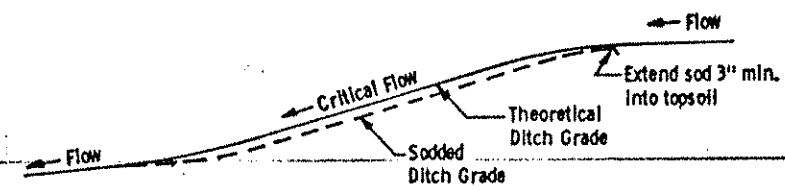


PLAN



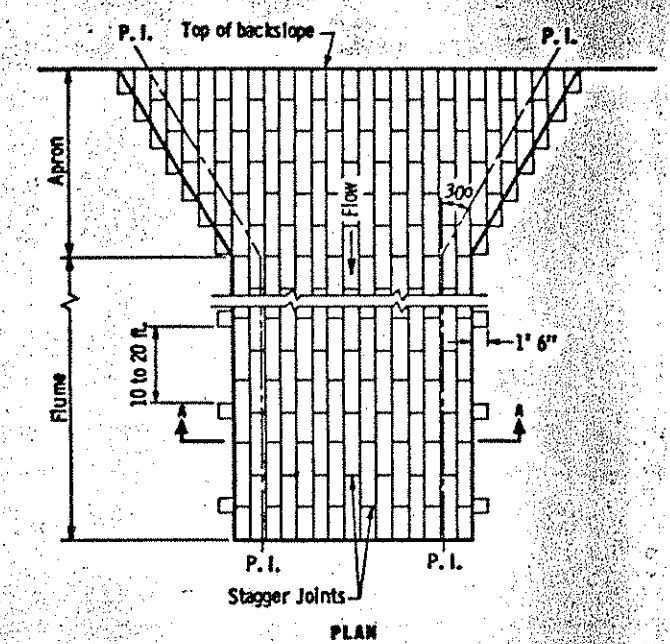
SODDED DITCH CROSS SECTION

Ditches having a minimum radius of 32.5 feet and requiring sod shall be constructed according to the above details. Where ditch radius is less than 32.5 feet, notching is not required. Sod a minimum of 18 feet in width.

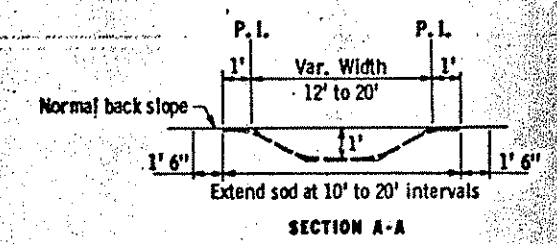


DITCH PROFILE

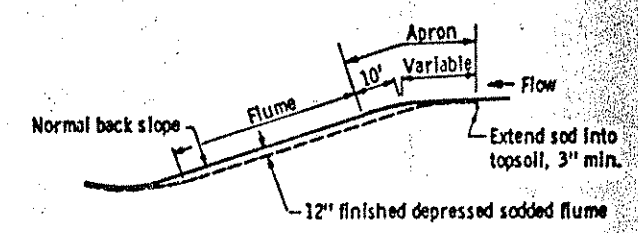
SODDED DITCH DETAILS



PLAN



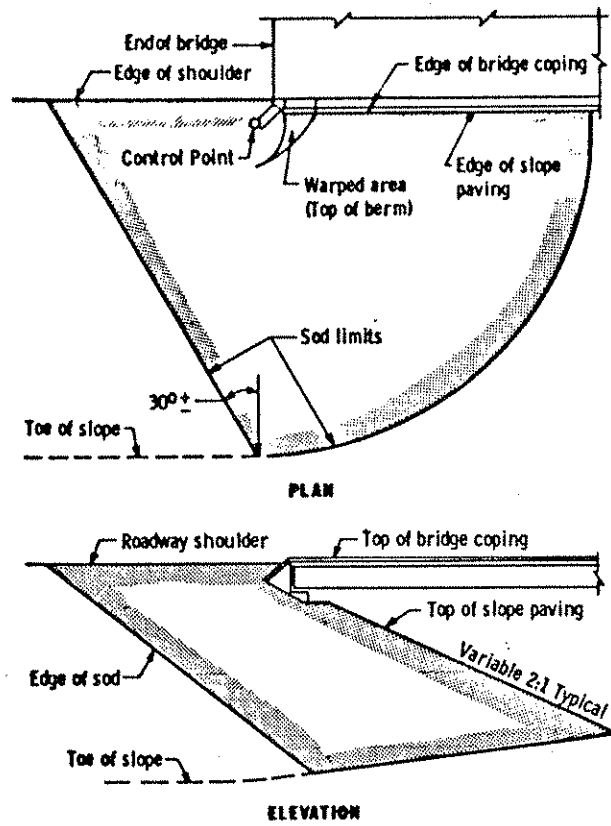
SECTION A-A



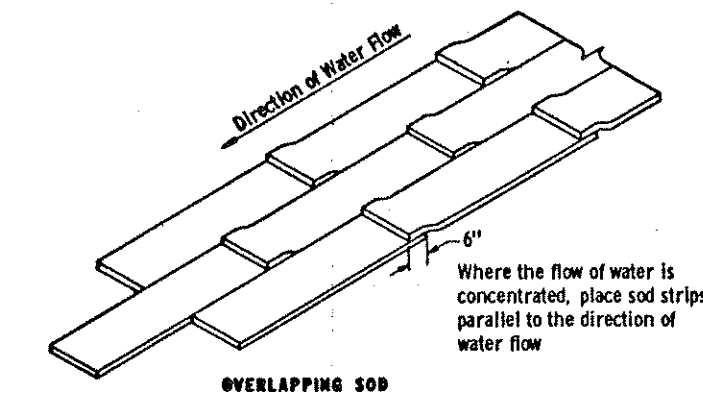
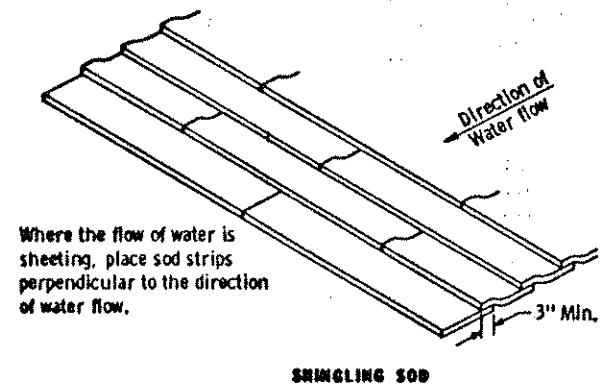
LONGITUDINAL CROSS SECTION

SODDED FLUME DETAILS

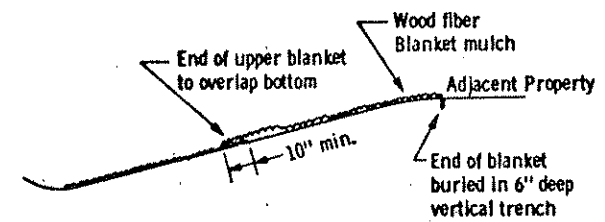
EROSION CONTROL



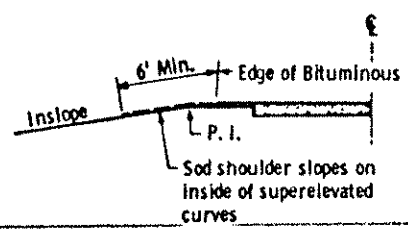
SODDING LIMITS AT BRIDGE APPROACH FILLS



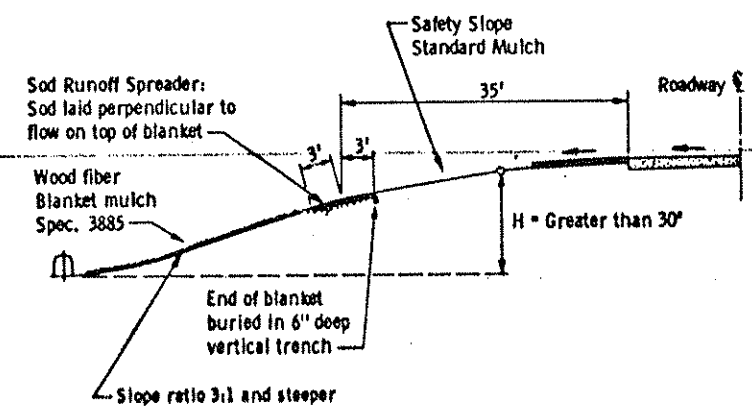
SPECIAL SOD PLACEMENT TECHNIQUES



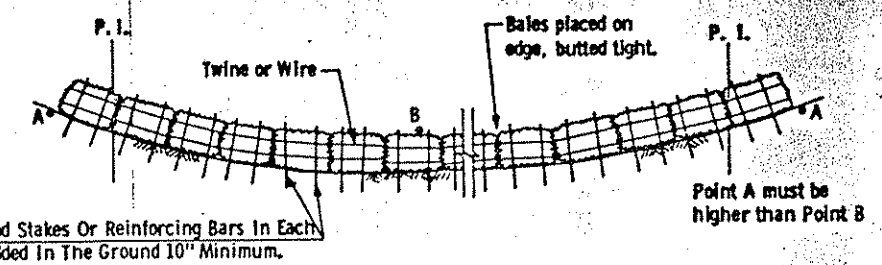
WOOD FIBER BLANKET INSTALLATION ON A CUT SLOPE (WHEN REQUIRED)



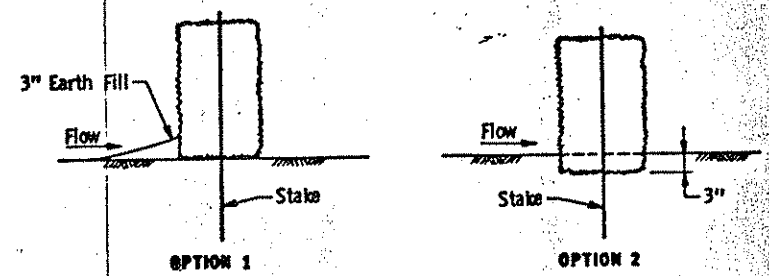
SODDING INSLOPES OF SUPERELEVATED CURVES



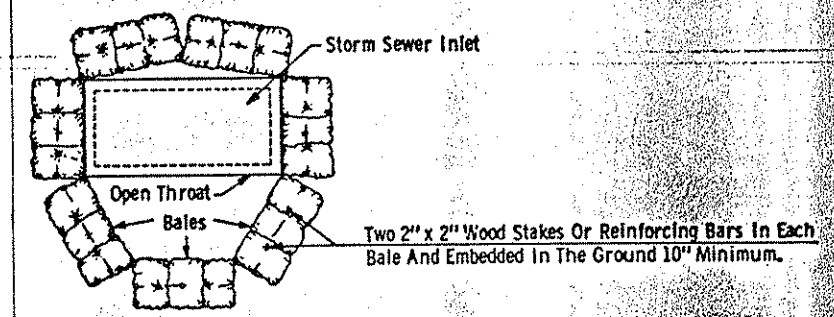
WOOD FIBER BLANKET INSTALLATION ON A SAFETY FILL SLOPE (WHEN REQUIRED)



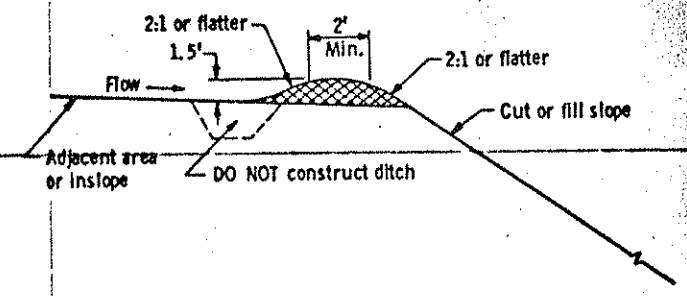
BALE HAY OR STRAW DITCH CHECK



DITCH CHECK SECTIONS

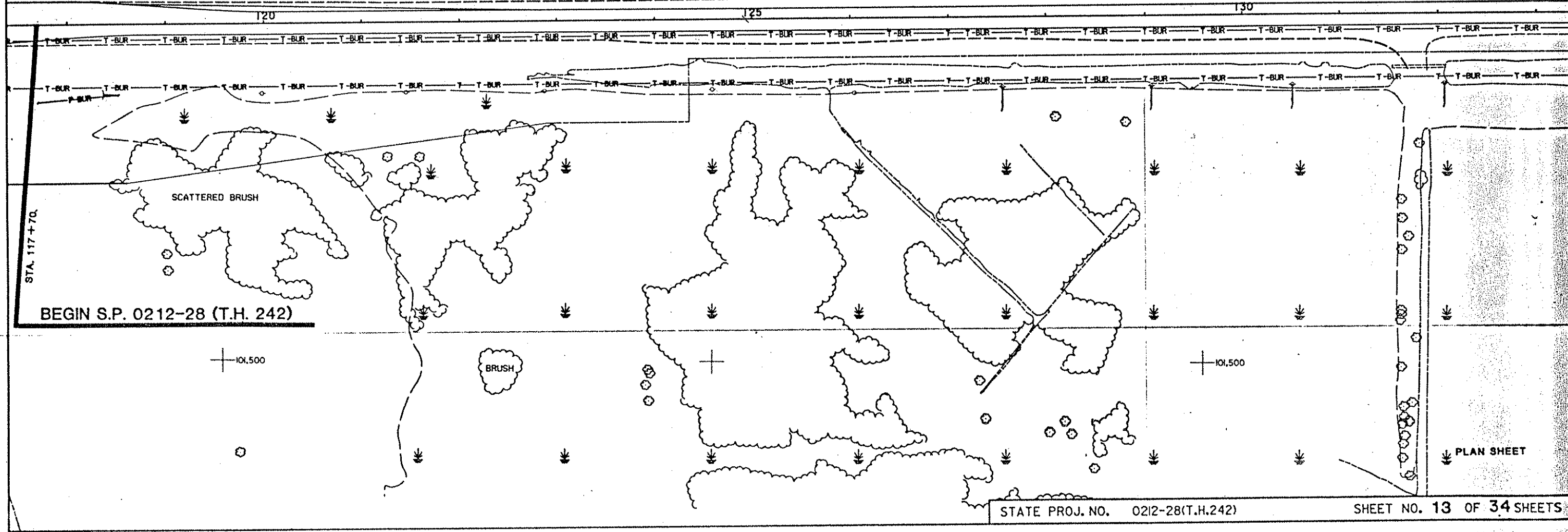
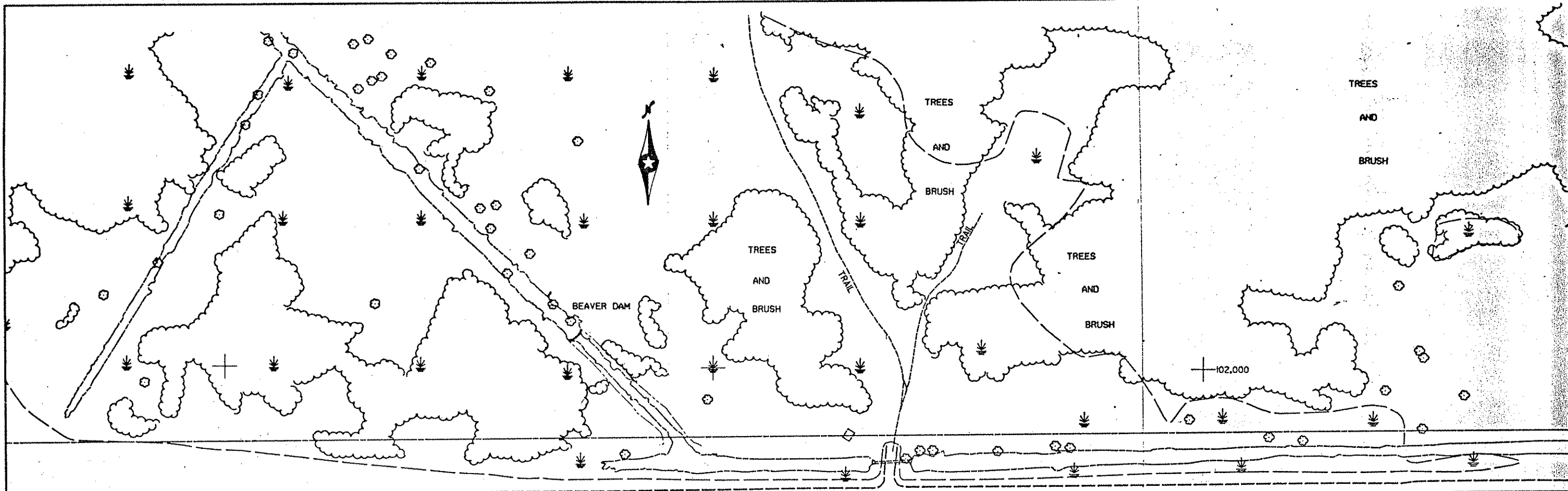


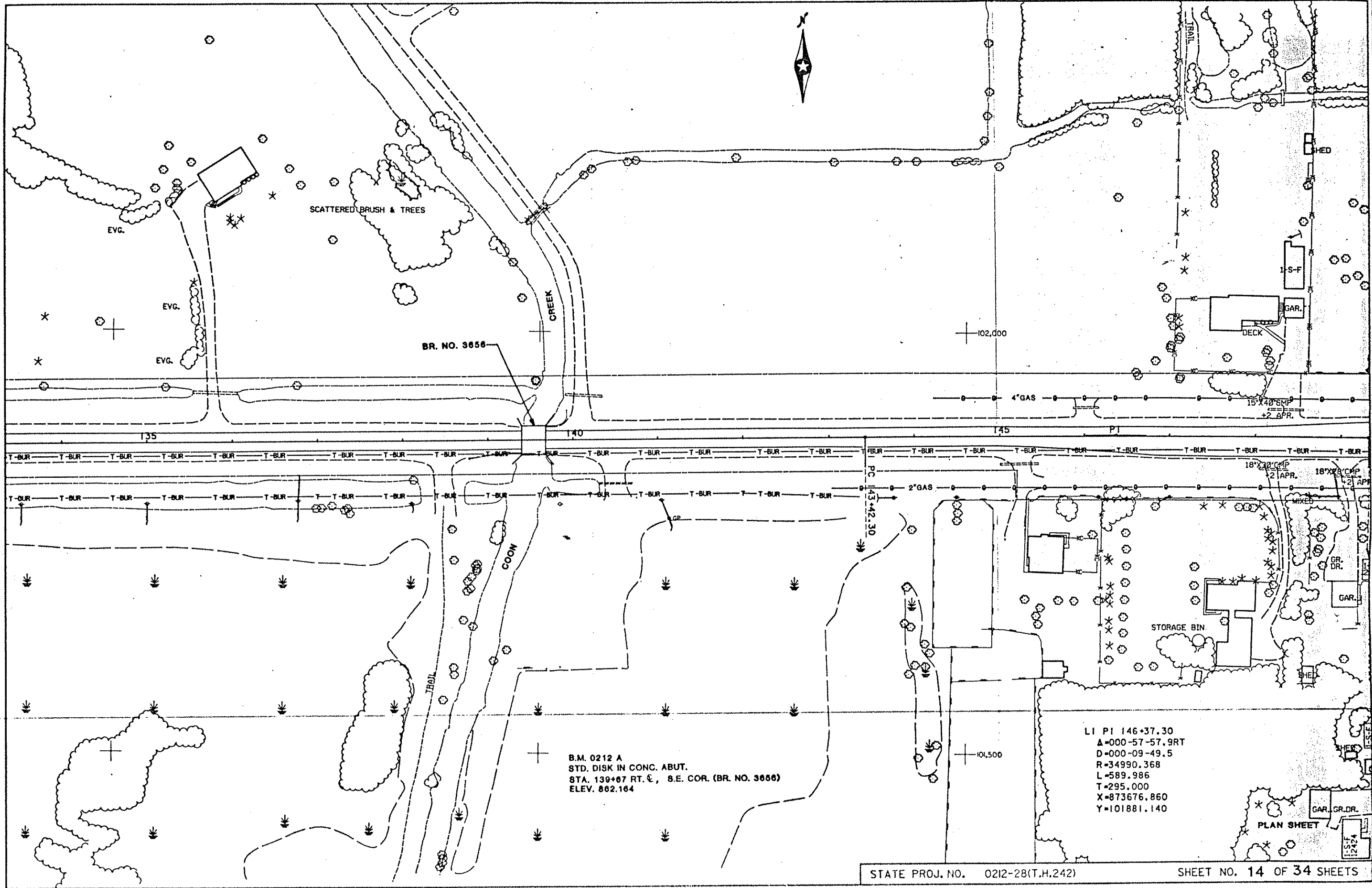
BALE DIVERSION TO PROTECT STORM SEWER INLETS



TEMPORARY OR PERMANENT SLOPE PROTECTION DIKE

APPROVED June 18, 1979
[Signature]
ENGINEERING STANDARDS SECTION





SCATTERED BRUSH & TREES

EVG.

EVG.

EVG.

BR. NO. 3656

CREEK

COON

TRAIL

STORAGE BIN

1-S-F

GAR.

DECK

15' X 40' SMP

+2 APR.

18' X 40' SMP

+2 APR.

18' X 40' SMP

+2 APR.

GAR.

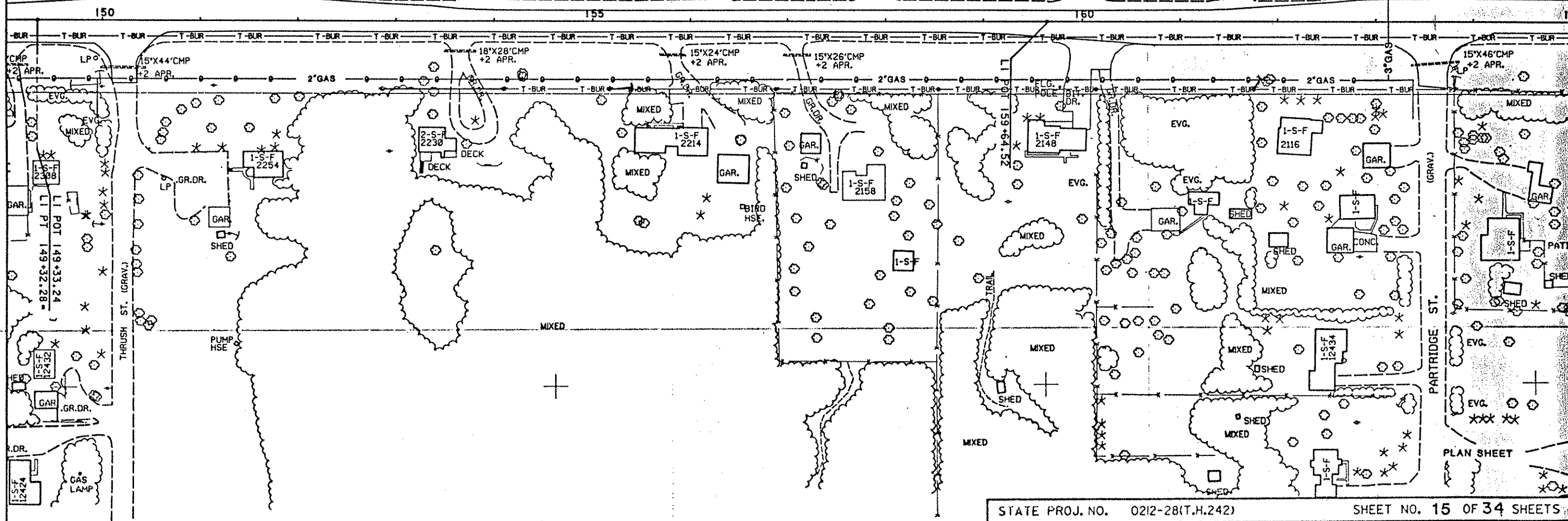
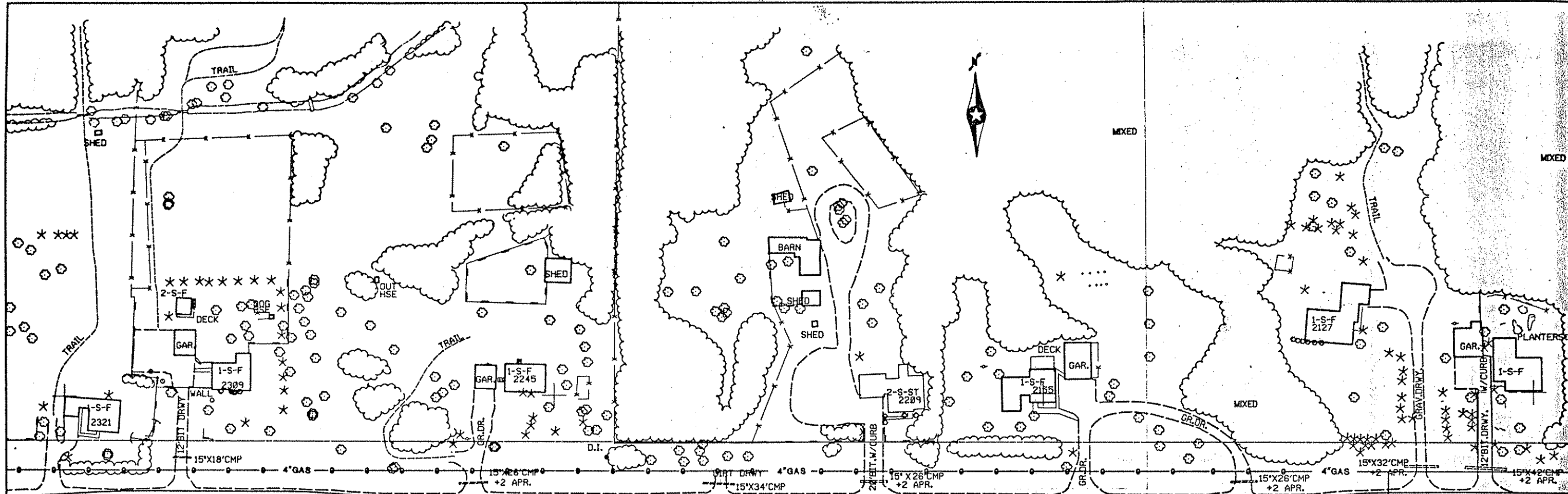
GAR.

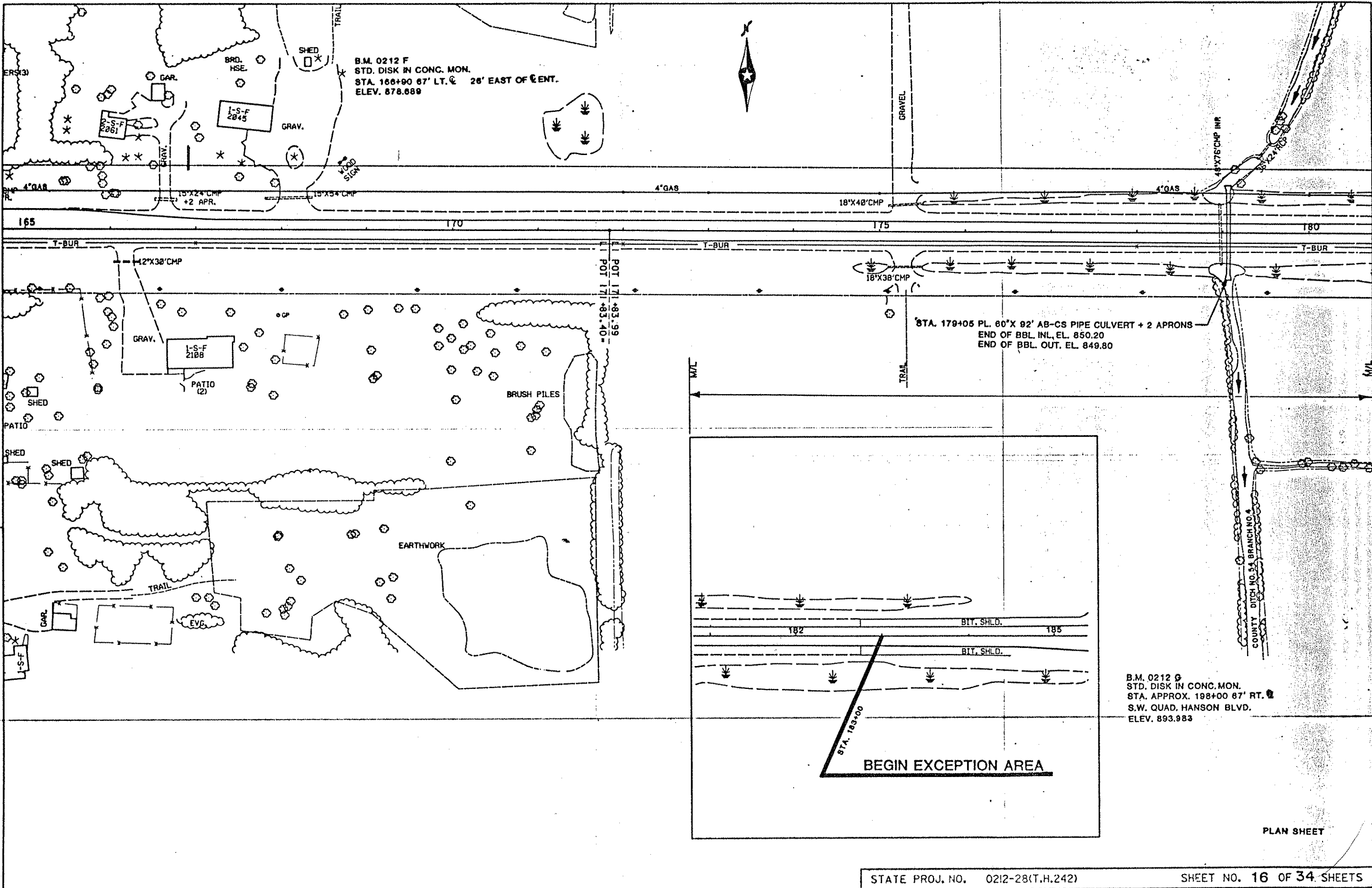
GAR. GR.DR.

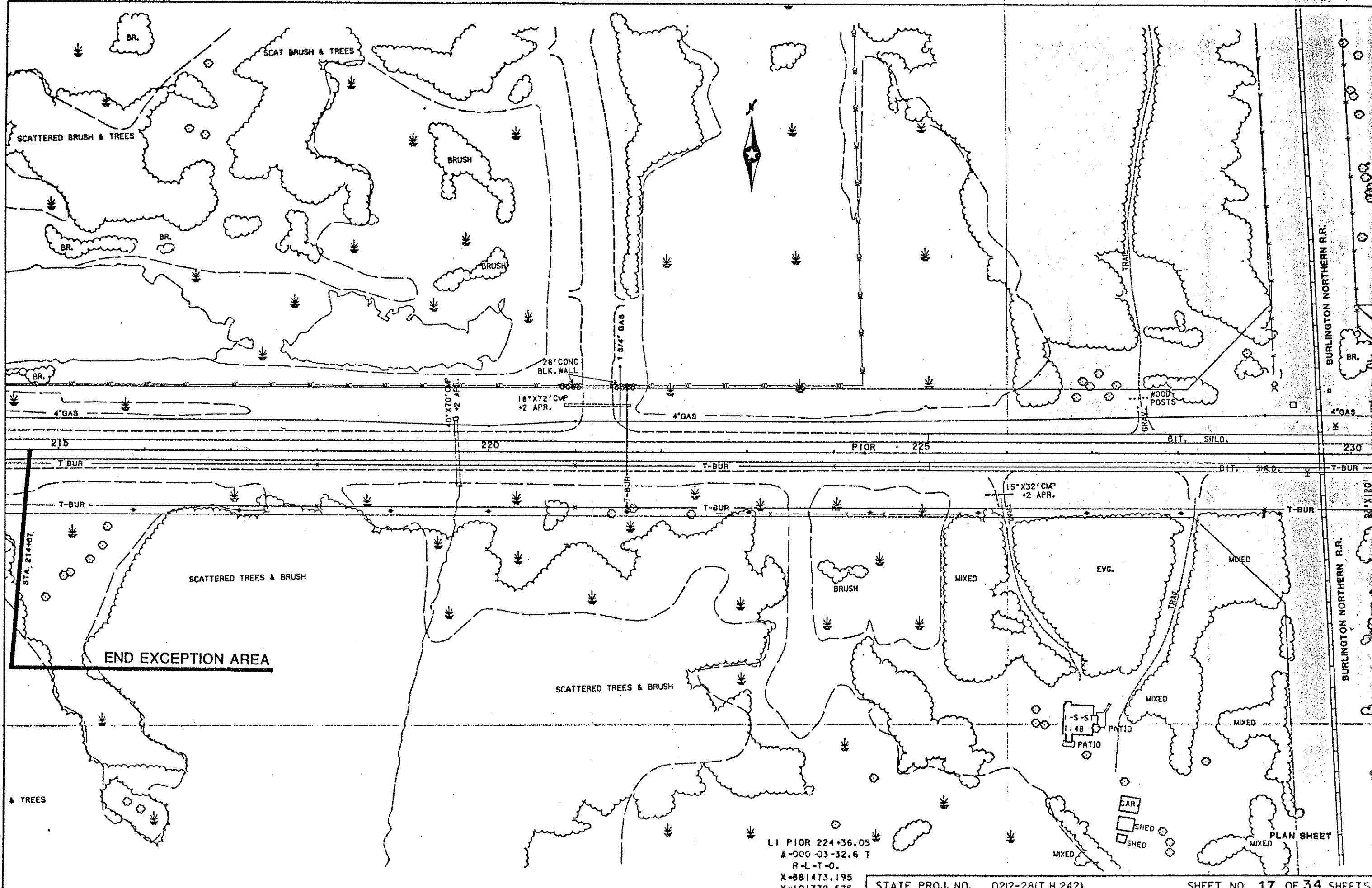
B.M. 0212 A
STD. DISK IN CONC. ABUT.
STA. 139+67 RT. E., S.E. COR. (BR. NO. 3656)
ELEV. 862.164

LI PI 146+37.30
A=000-57-57.9RT
D=000-09-49.5
R=34990.368
L=589.986
T=295.000
X=873676.860
Y=101881.140

PLAN SHEET







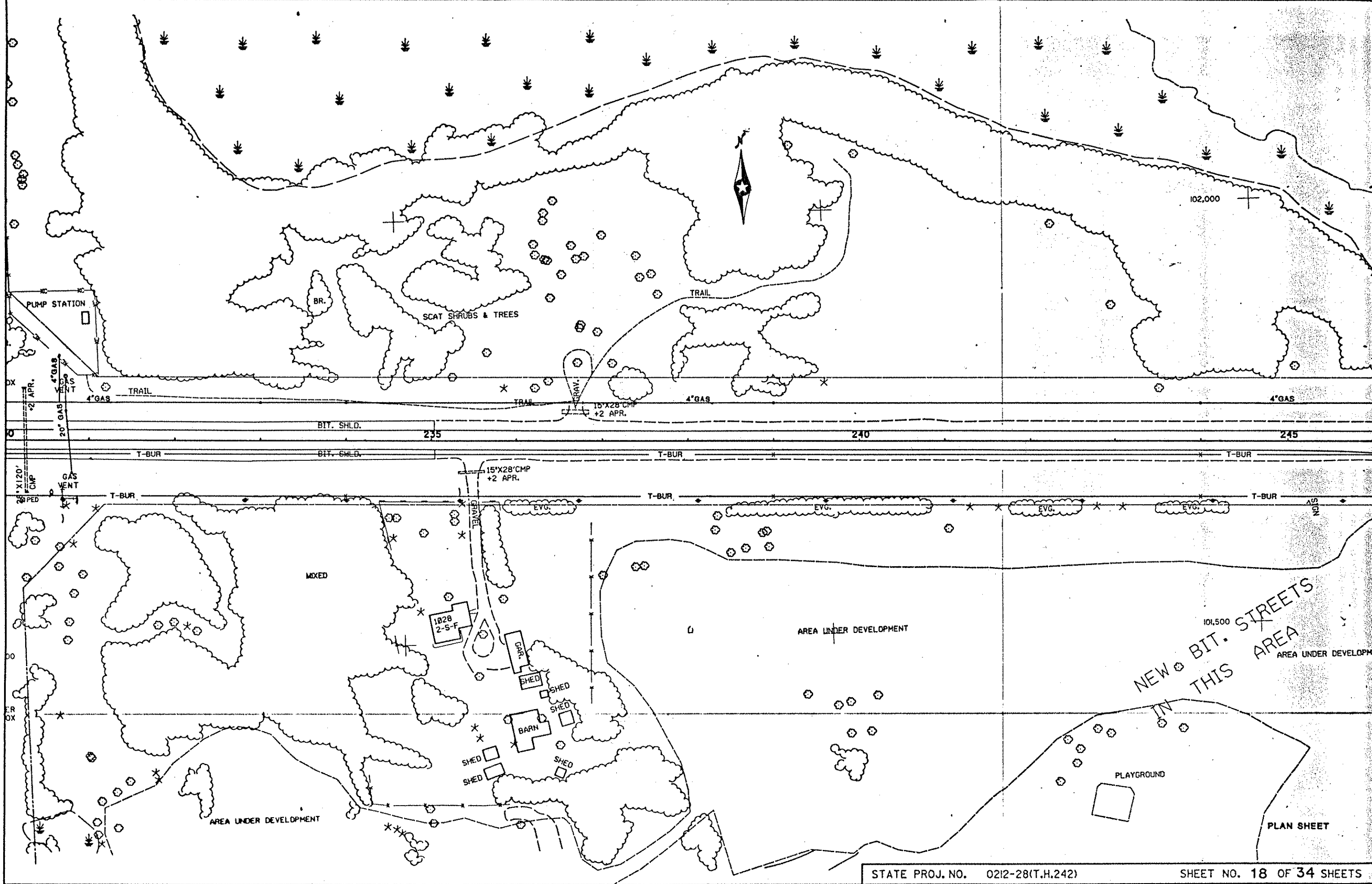
END EXCEPTION AREA

LI PIOR 224+36.05
 Δ=000-03-32.6 T
 R=L=T=0.
 X=881473.195
 Y=101772.575

STATE PROJ. NO. 0212-28(T.H.242)

SHEET NO. 17 OF 34 SHEETS

PLAN SHEET



LI PI 250+33.50
A=003-16-12.0LT
D=000-29-52.8
R=11505.071
L=656.622
T=328.400
X=884069.531
Y=101696.502

LI PC 247+05.10

LI PT 253+62.25
LI PT 253+61.72

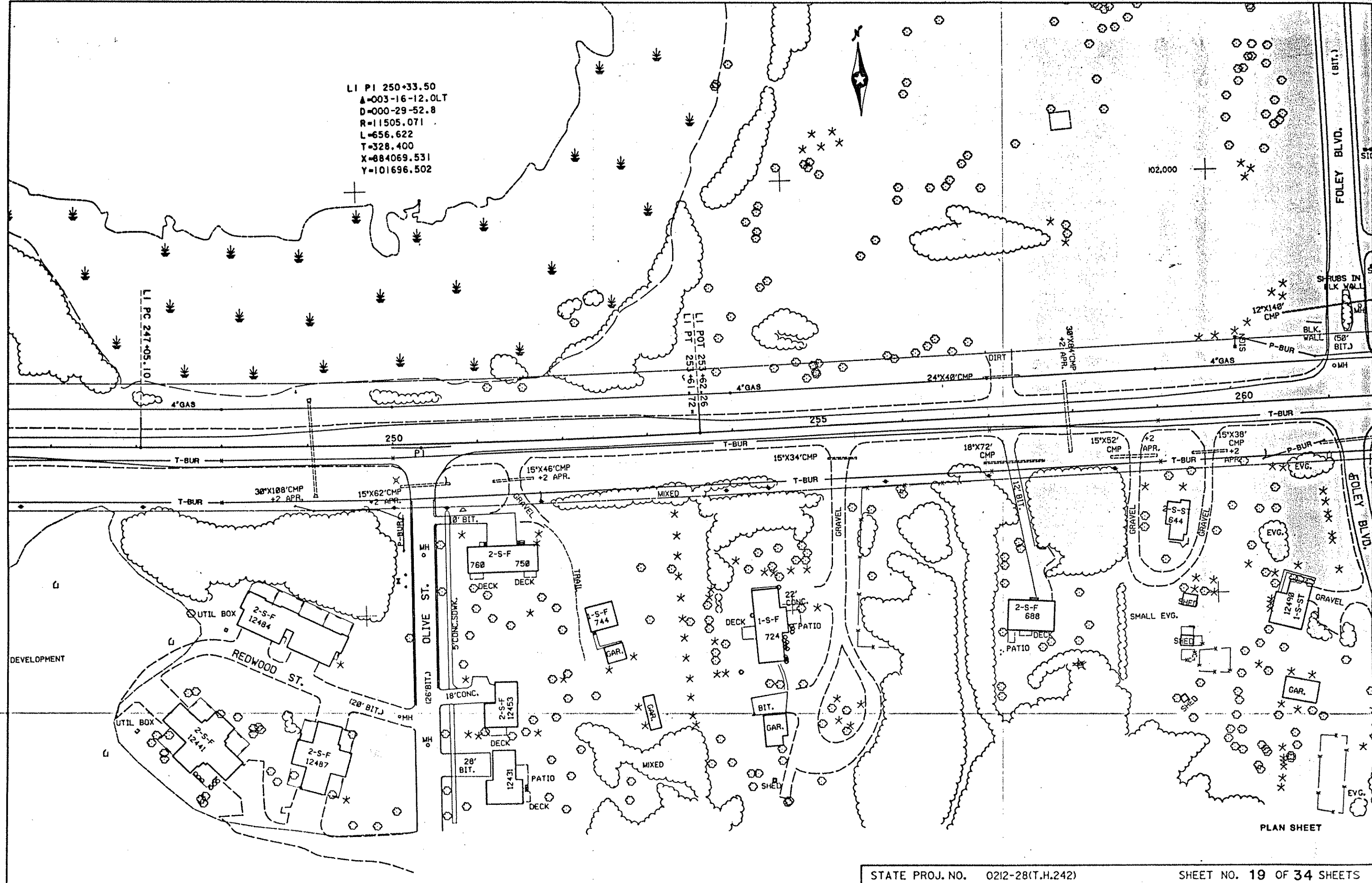
102,000

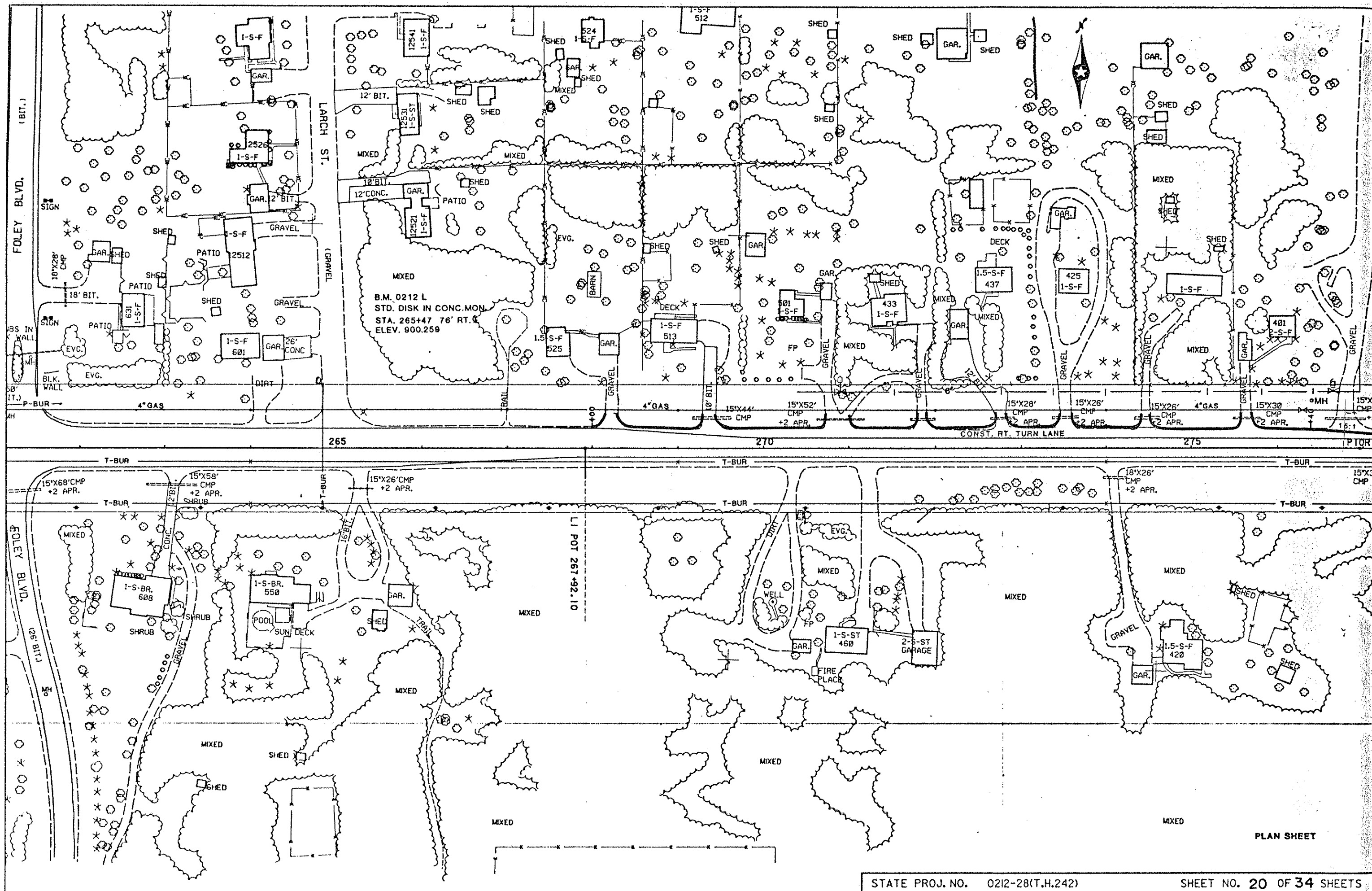
FOLEY BLVD. (BIT.)

SHRUBS IN
BLK WALL
12'X148'
CMP
BLK. WALL
(58'
BIT.)

FOLEY BLVD.

PLAN SHEET



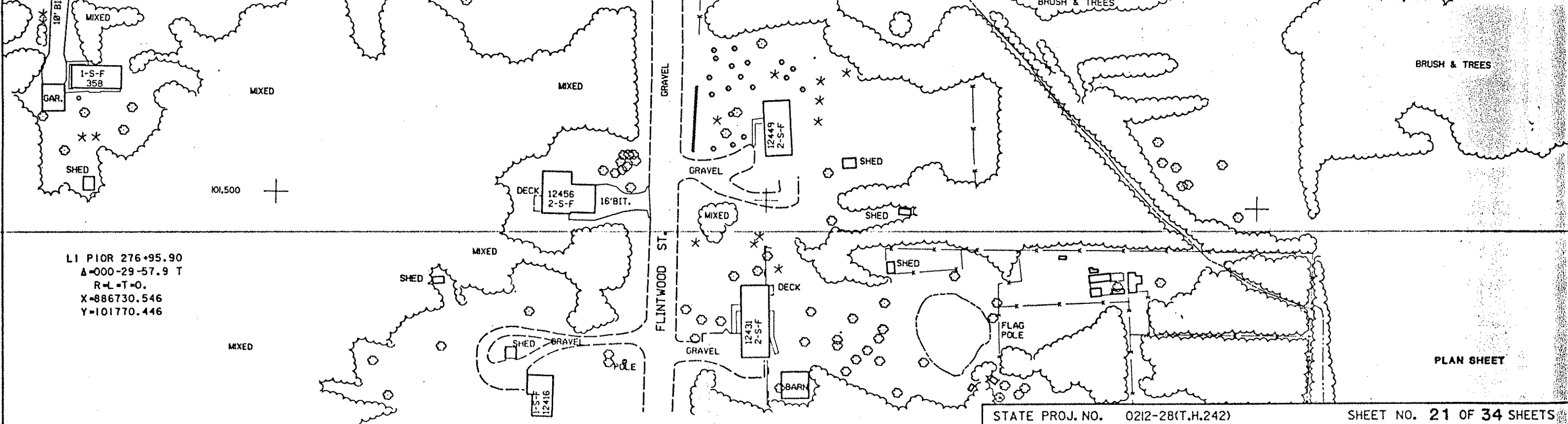
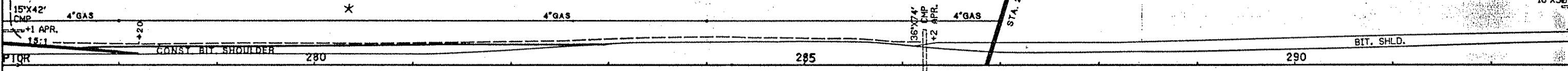




102,000

B.M. 0212 M
STD. DISK IN CONC. MON.
STA. 304+12 N.E. QUAD. UNIV. AVE.
ELEV. 890.225

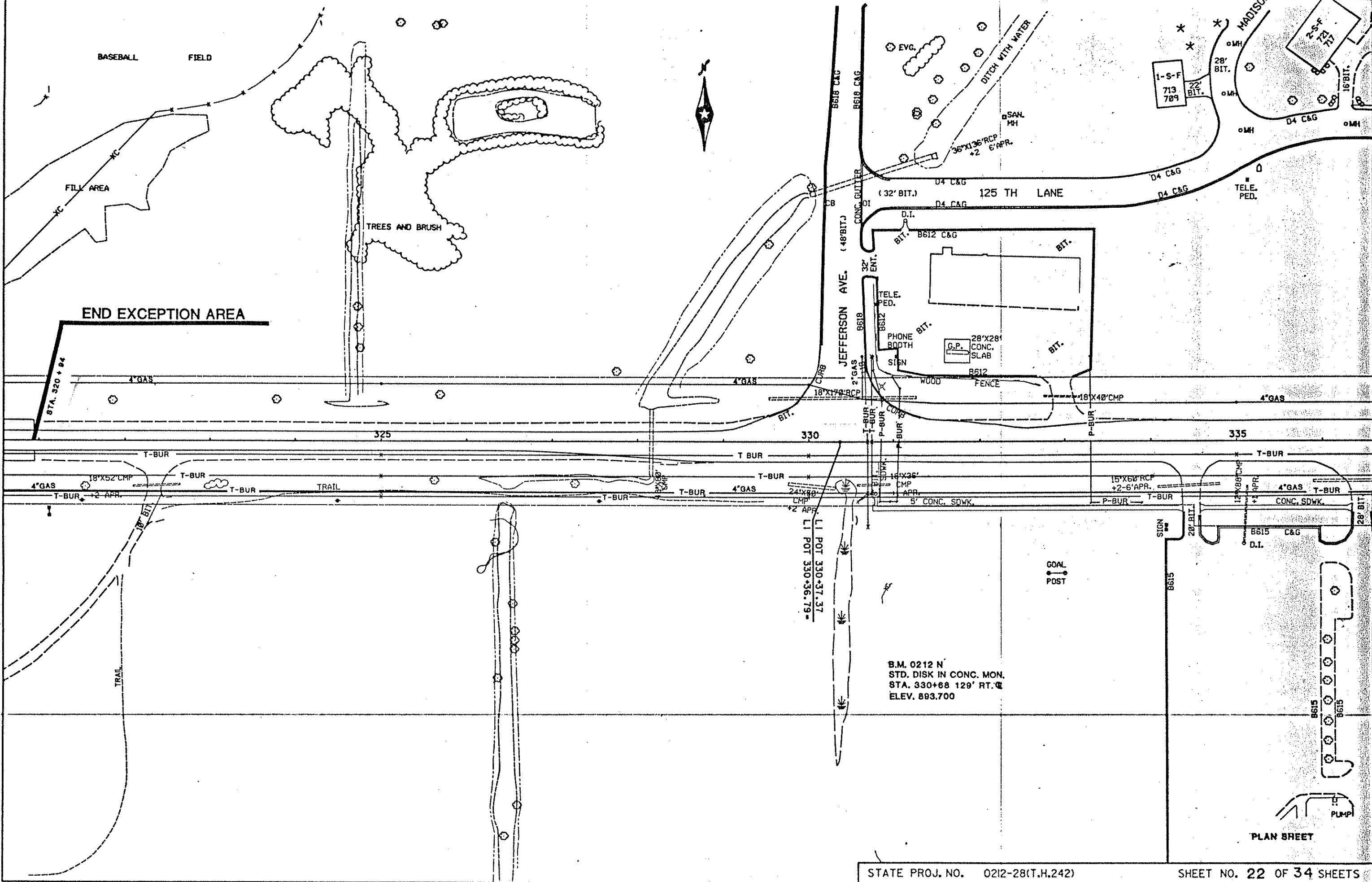
BEGIN EXCEPTION AREA



LI PIOR 276+95.90
Δ=000-29-57.9 T
R=L=T=0.
X=886730.546
Y=101770.446

101,500

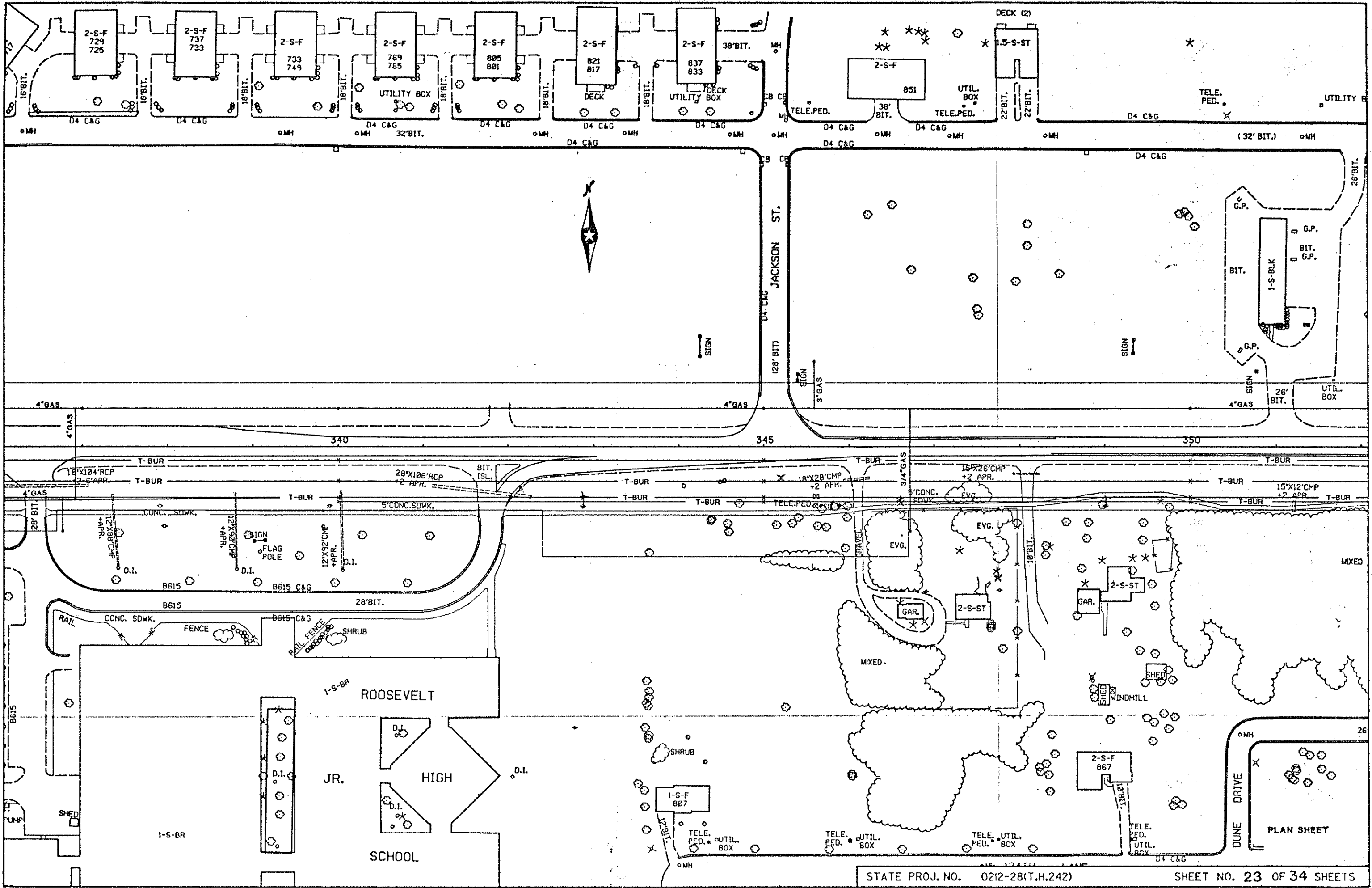
PLAN SHEET

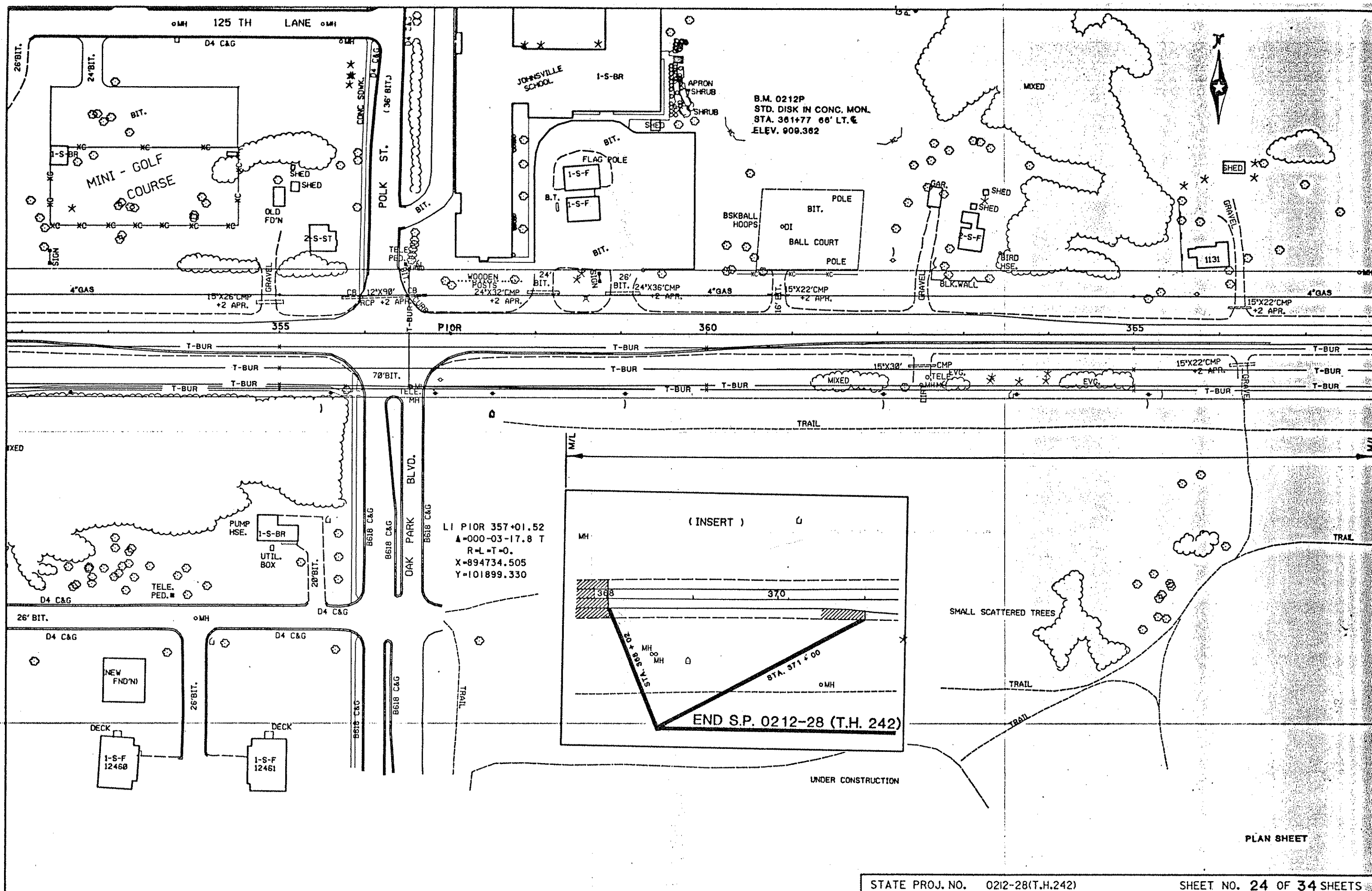


END EXCEPTION AREA

B.M. 0212 N
 STD. DISK IN CONC. MON.
 STA. 330+68 129' RT. @
 ELEV. 893.700

PLAN SHEET





E. T.H. 242

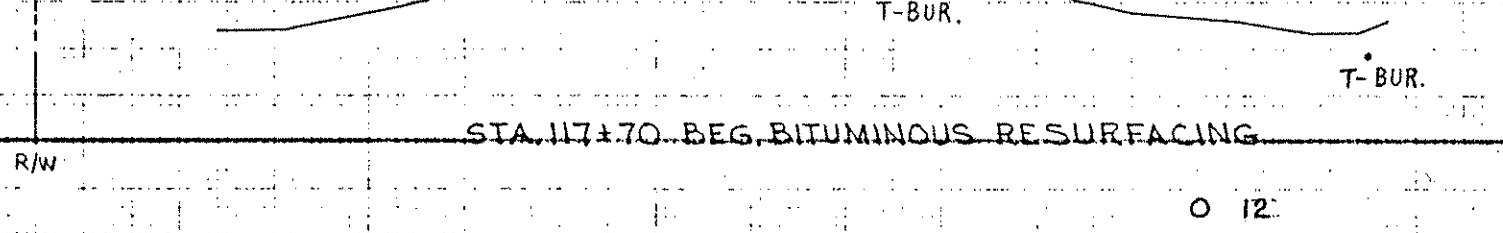
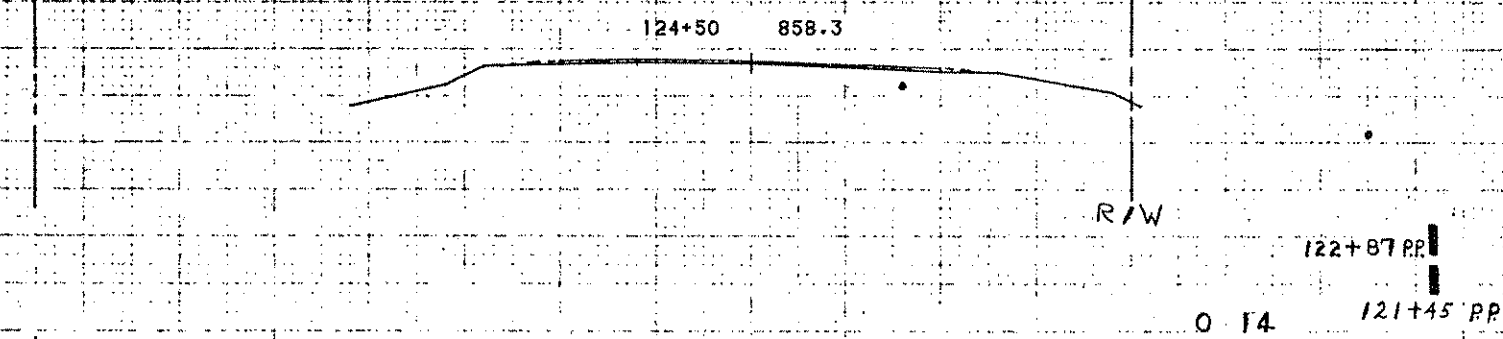
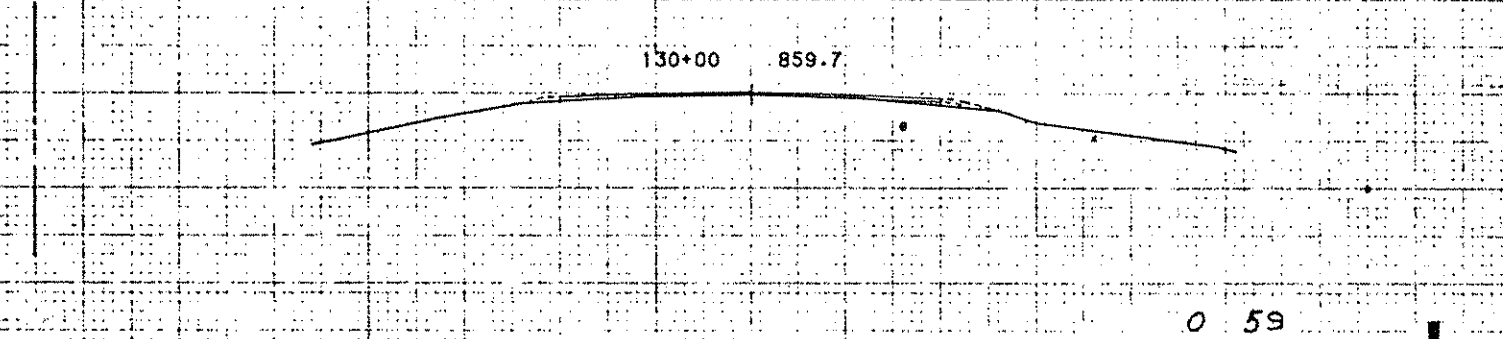
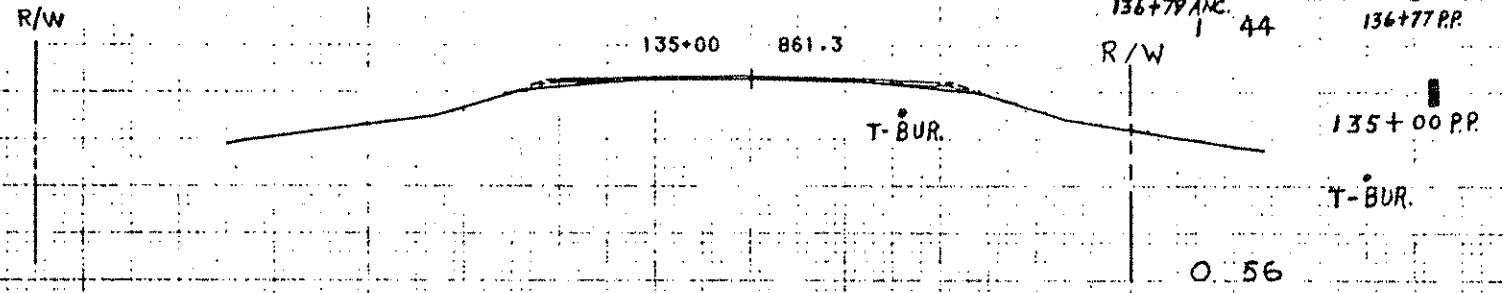
E. T.H. 242

EXCAVATION
CU. YD. EMBANKMENT
CU. YD.

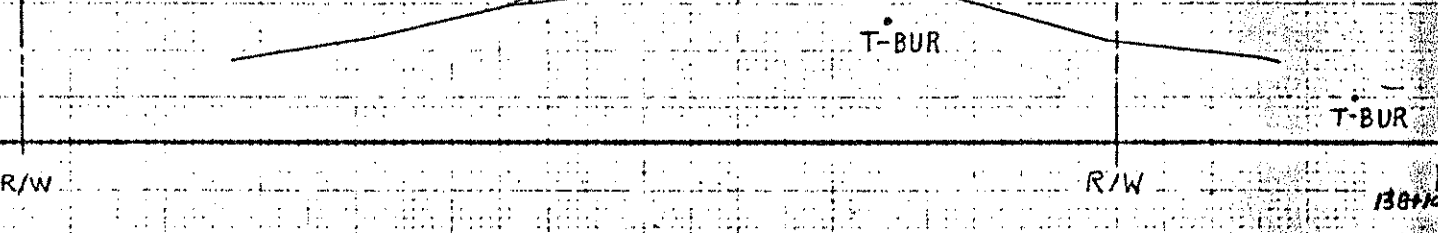
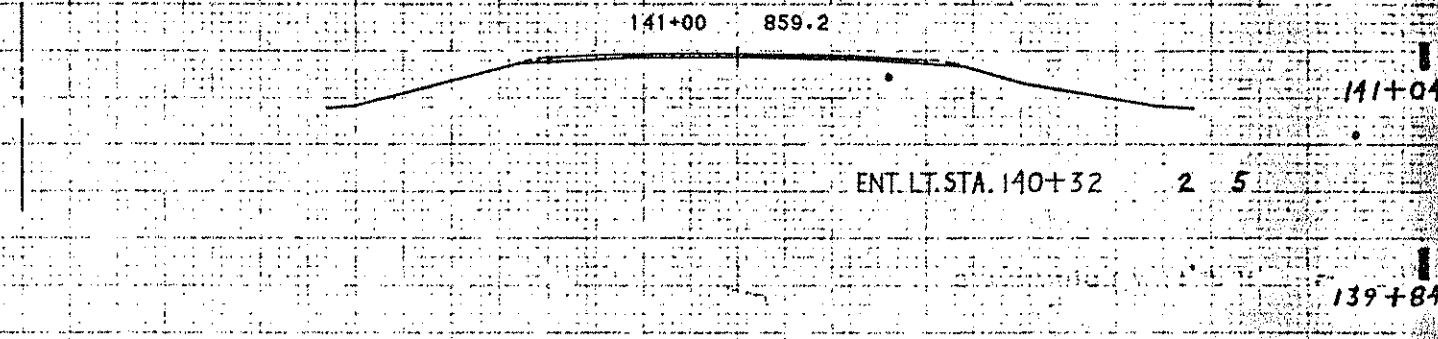
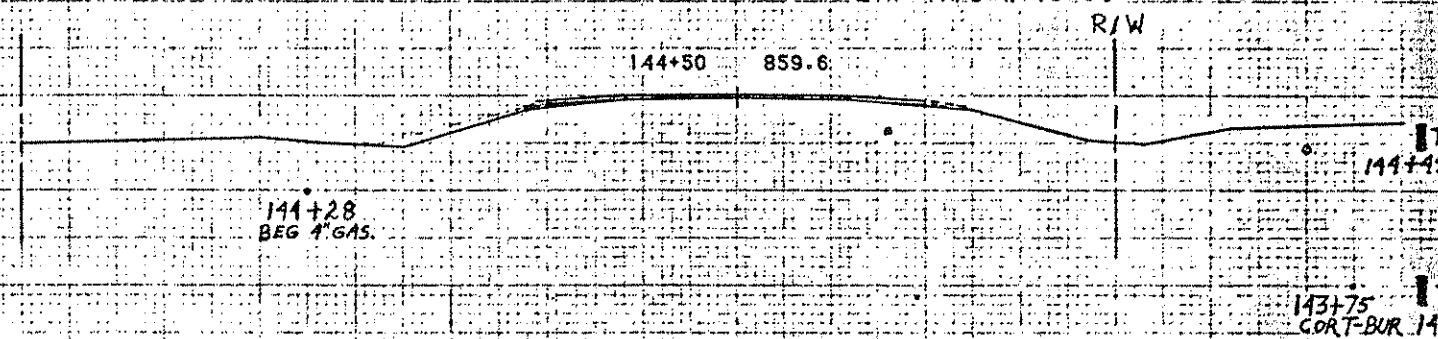
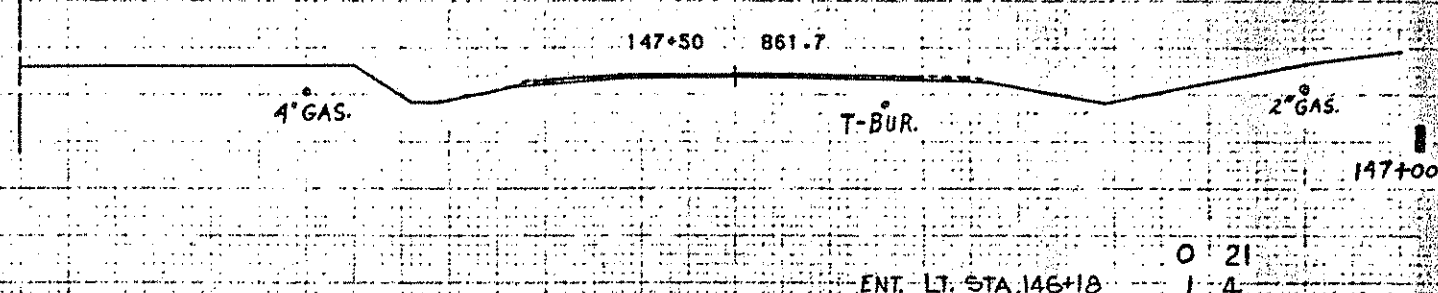
EXCAVATION
CU. YD. EMBANKMENT
CU. YD.

R/W

R/W



STA. 121+00 TO STA. 135+00



STA. 139+00 TO STA. 147+50

| | | |
|----------------------|---|----|
| ENT. LT. STA. 146+18 | 0 | 21 |
| ENT. LT. STA. 145+90 | 1 | 4 |
| ENT. RT. STA. 145+45 | 1 | 6 |
| ENT. RT. STA. 145+00 | 1 | 10 |

EXCAVATION
CU. YD.

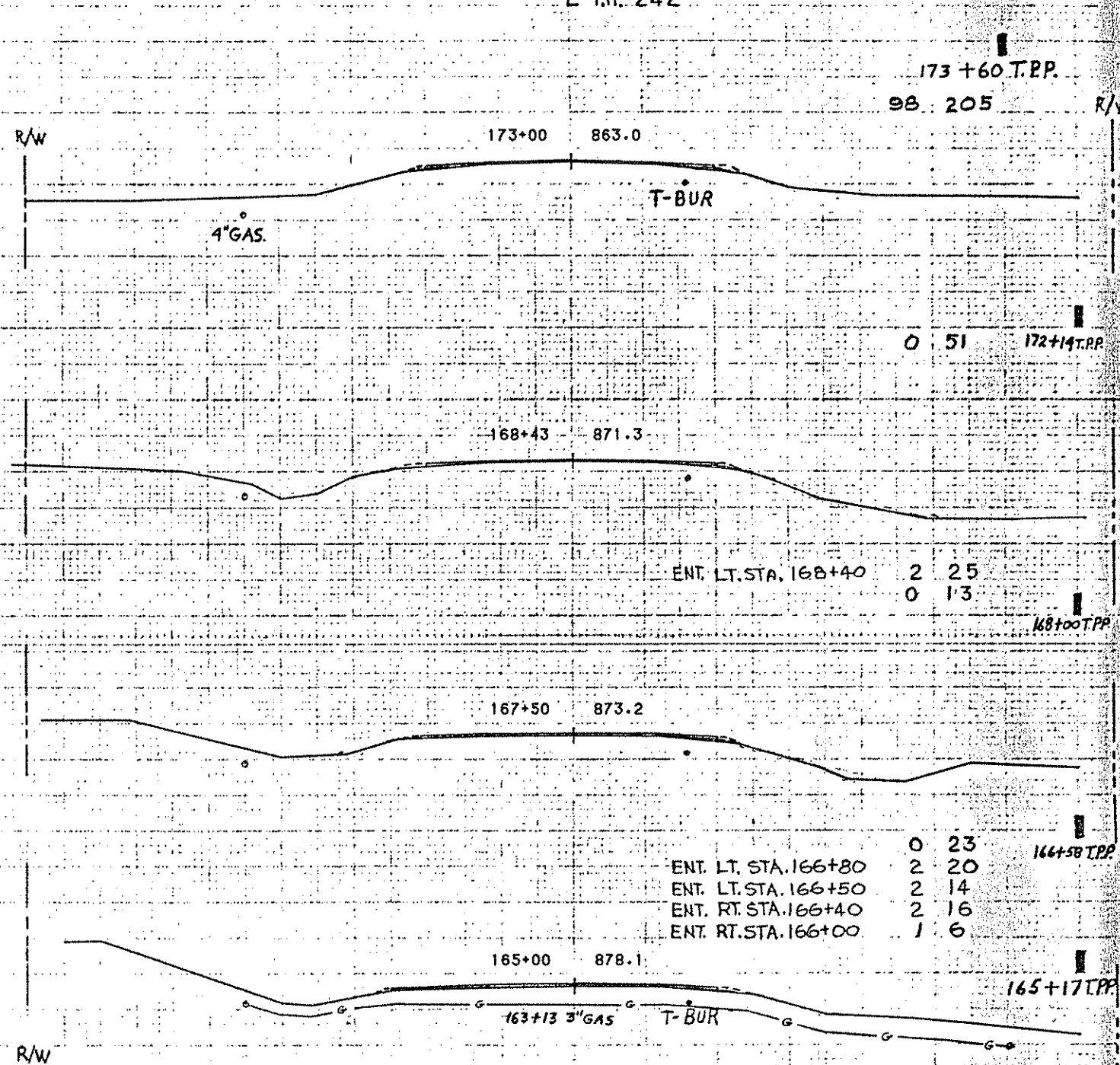
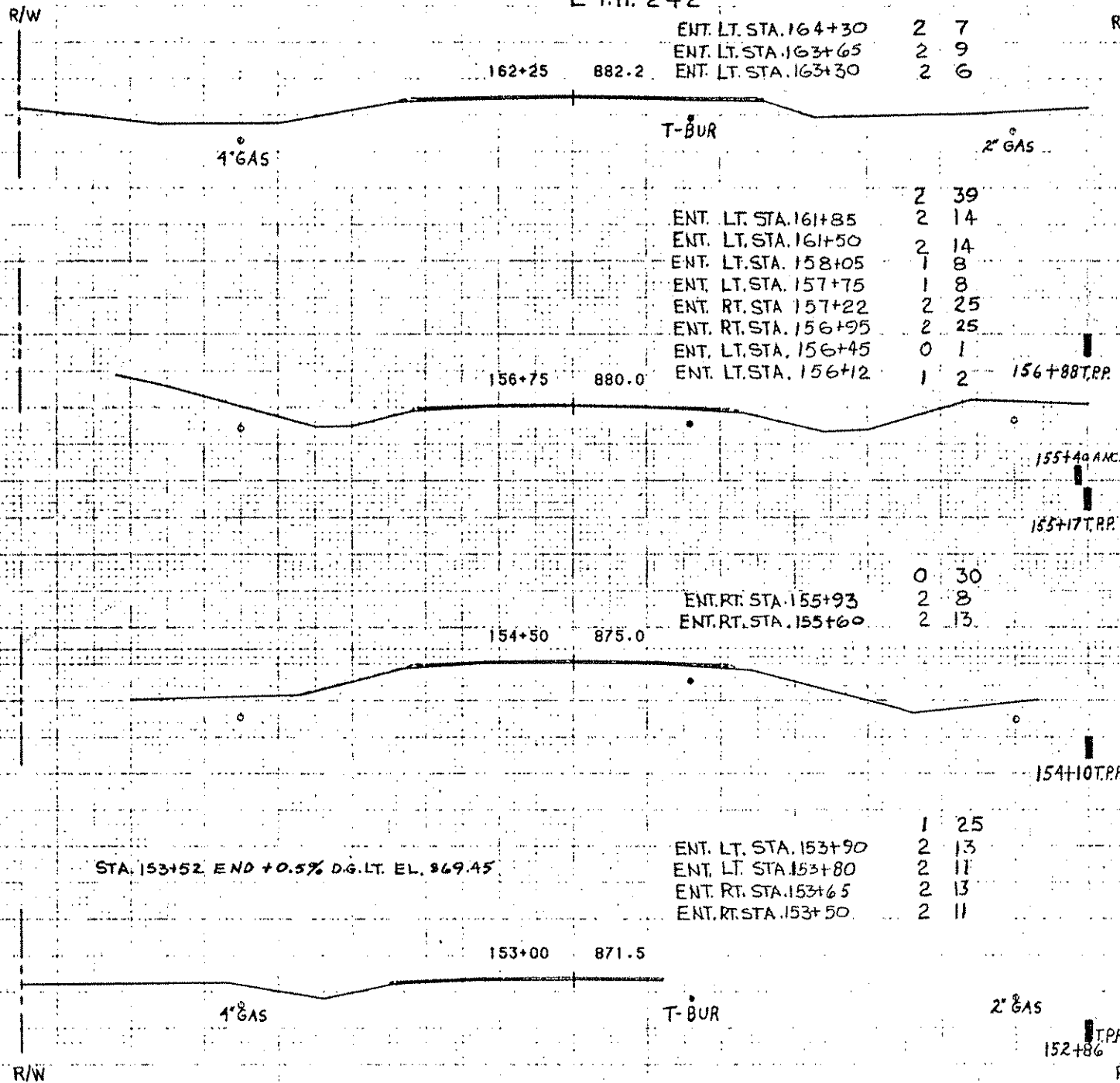
EMBANKMENT
CU. YD.

EXCAVATION
CU. YD.

EMBANKMENT
CU. YD.

± T.H. 242

± T.H. 242



STA. 153+52 END +0.5% D.G. LT. EL. 869.45

STA. 152+00 BEG. +0.5% D.G. LT. EL. 868.69

STA. 153+00 TO STA. 162+25

1" GAS TEE
163+13

2" COR GAS
163+38

3" x 2" GAS TEE
163+13

STA. 165+00 TO STA. 173+00

EXCAVATION
CU. YD.

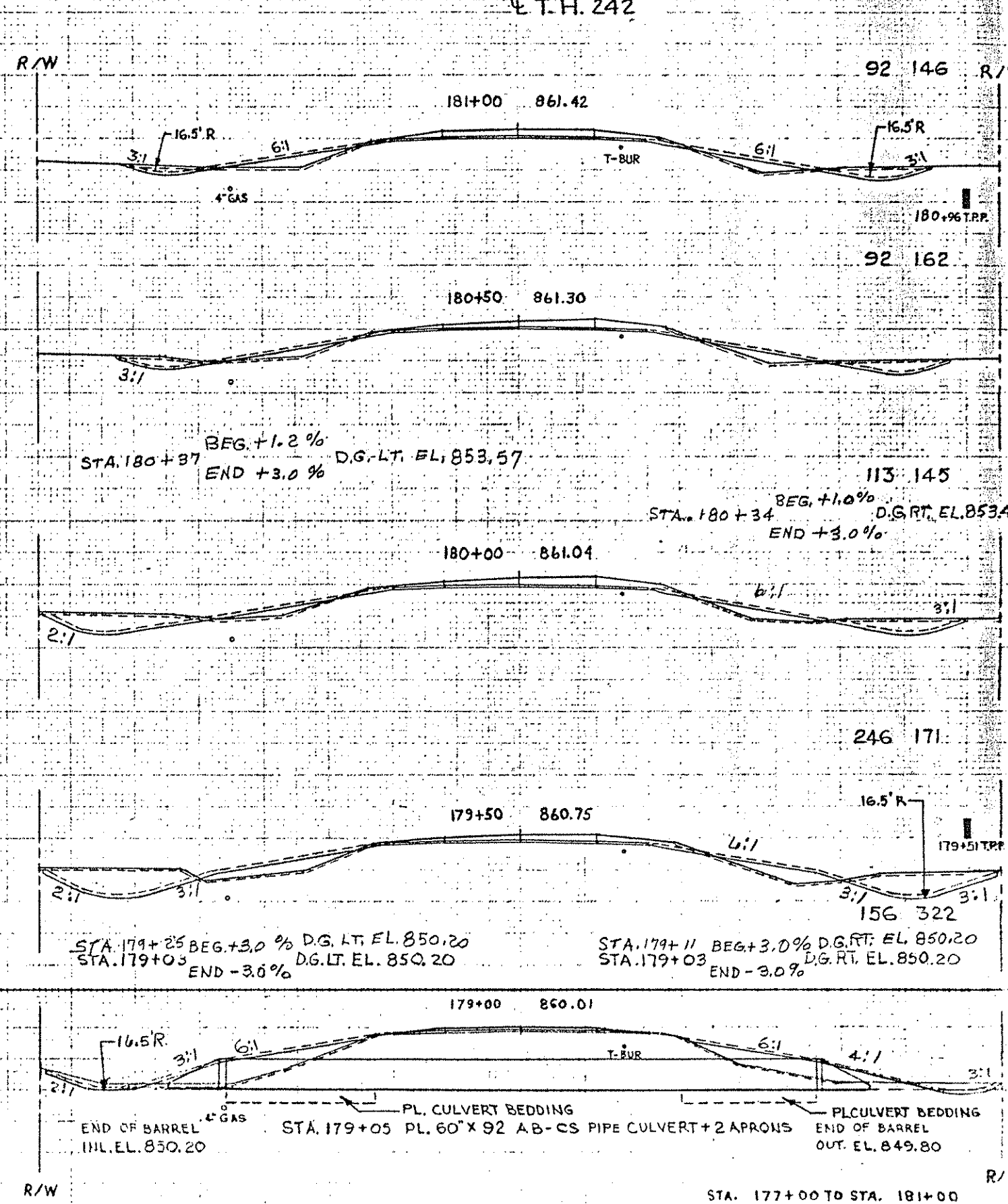
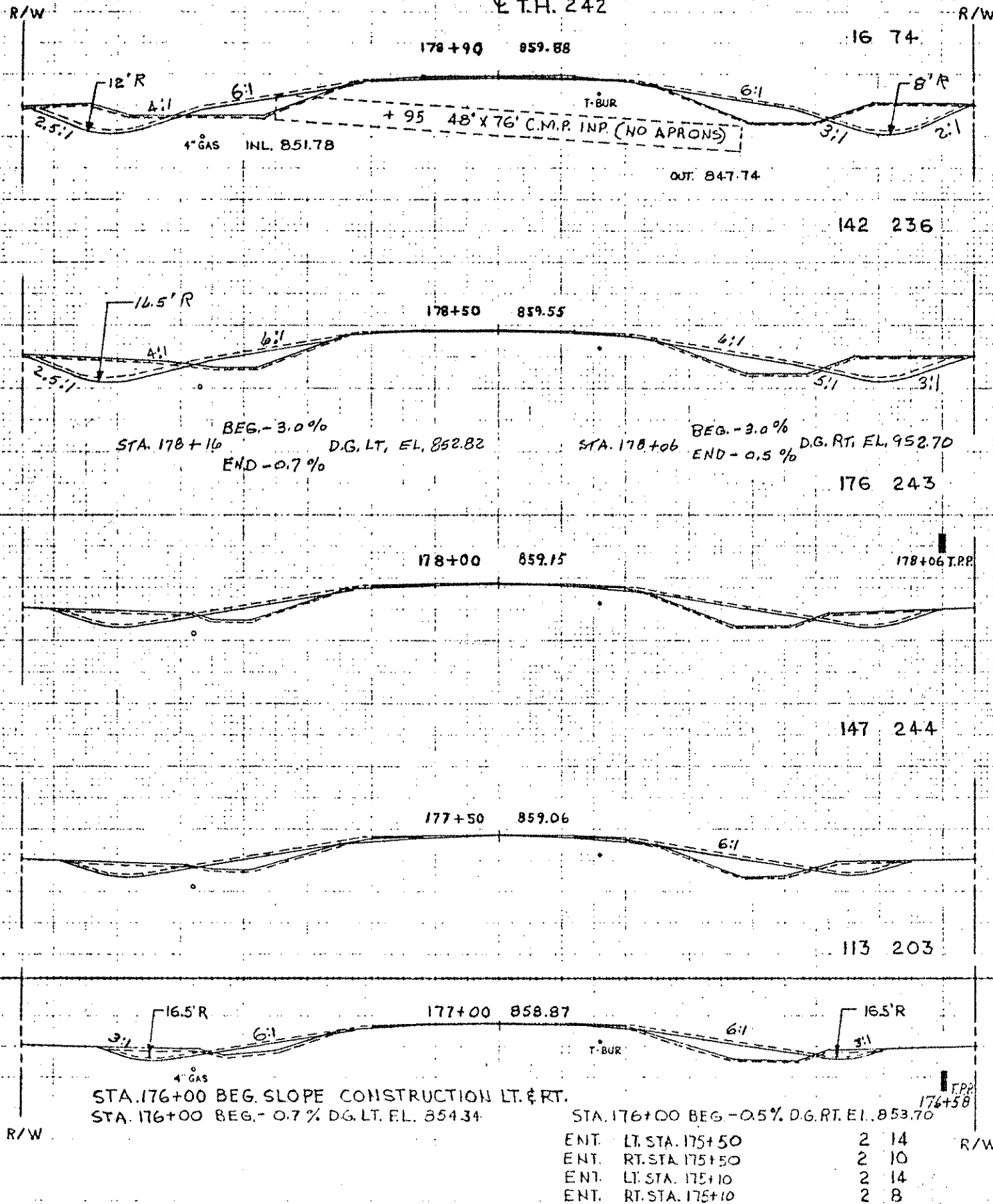
EMBANKMENT
CU. YD.

EXCAVATION
CU. YD.

EMBANKMENT
CU. YD.

☉ T.H. 242

☉ T.H. 242

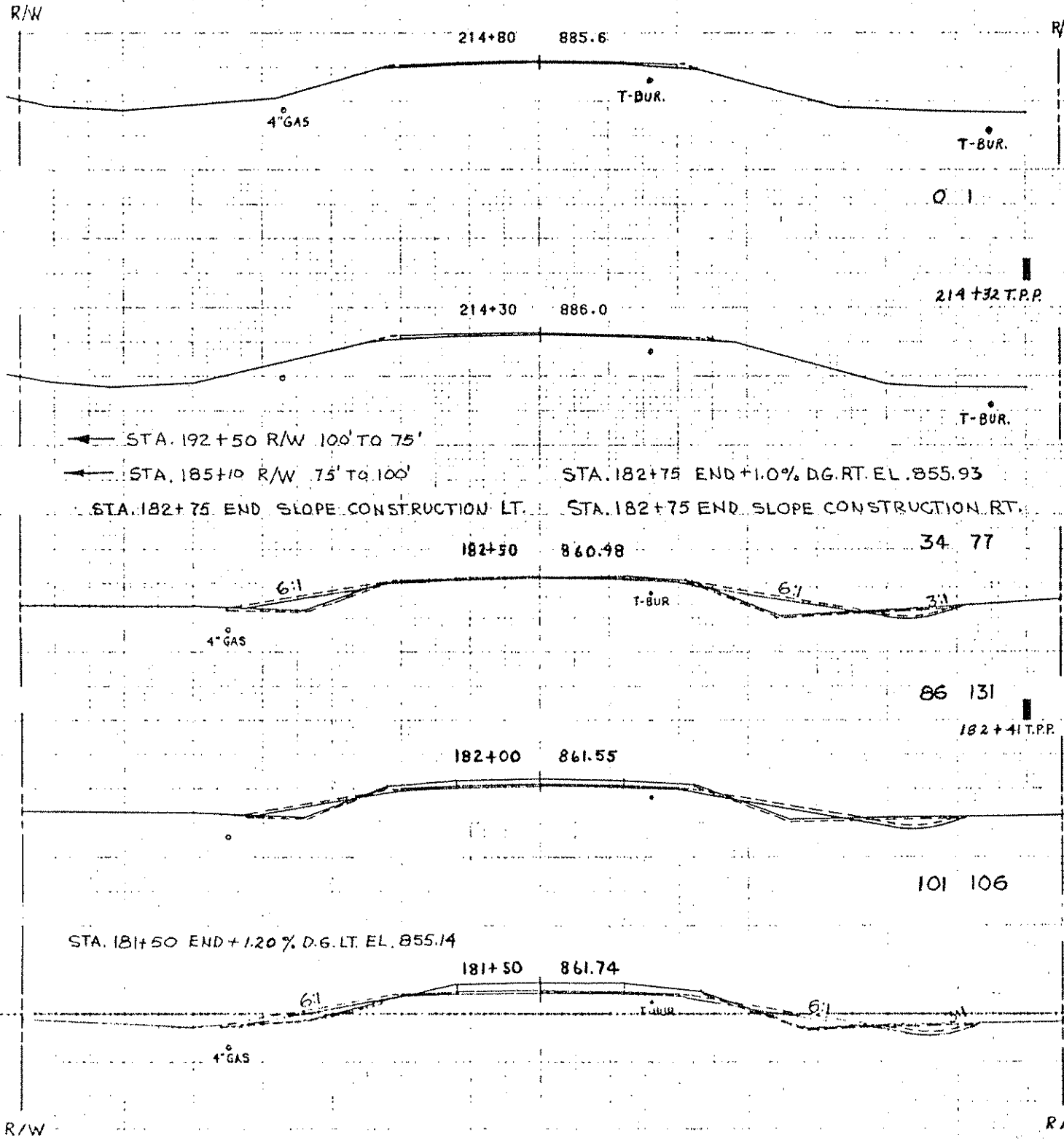


EXCAVATION
CU. YD. EMBANKMENT
CU. YD.

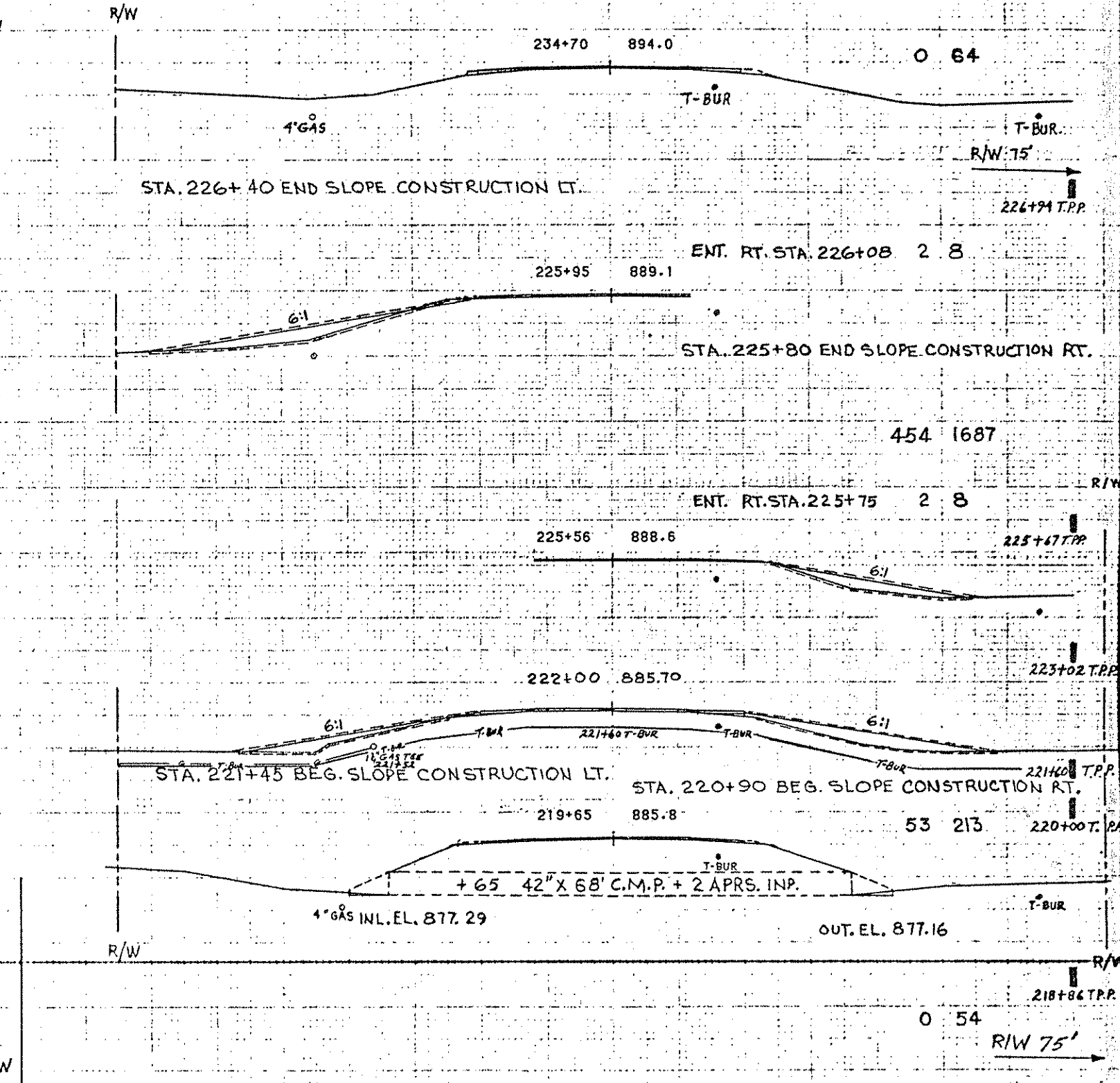
± T.H. 242

EXCAVATION
CU. YD. EMBANKMENT
CU. YD.

± T.H. 242



STA. 181+50 TO STA. 214+80



STA. 219+65 TO STA. 234+70

EXCAVATION
CU. YD.

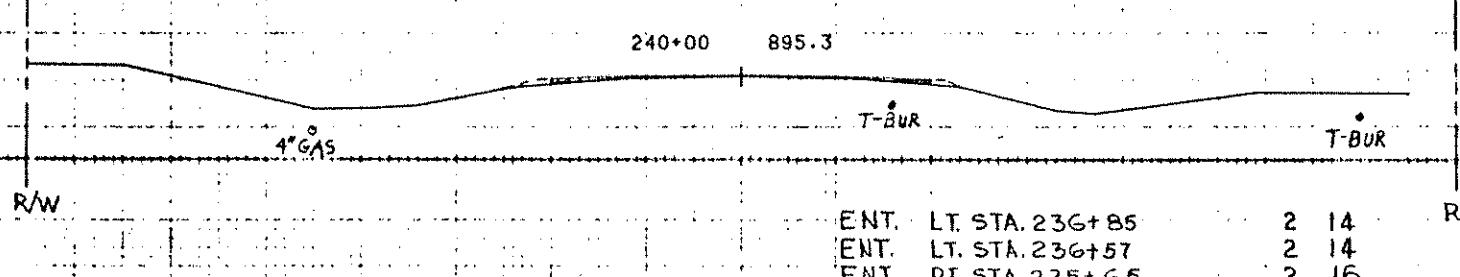
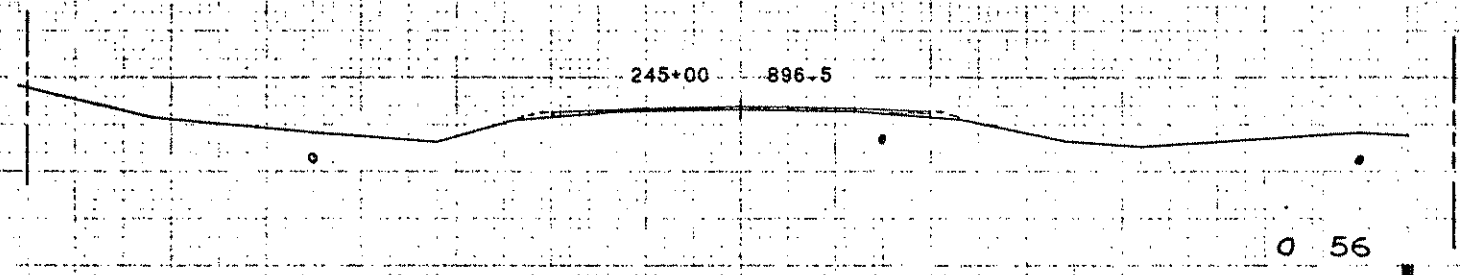
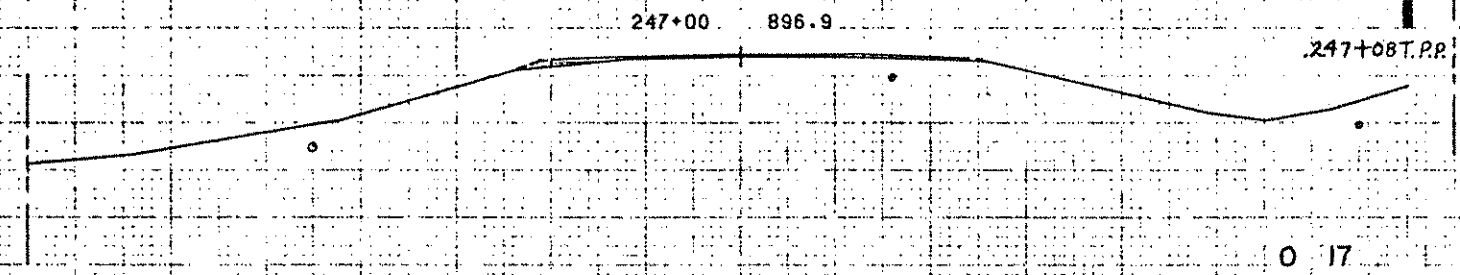
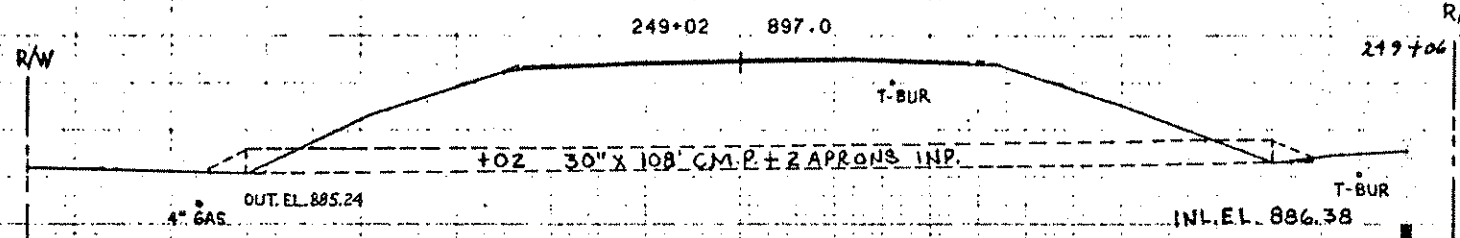
EMBANKMENT
CU. YD.

EXCAVATION
CU. YD.

EMBANKMENT
CU. YD.

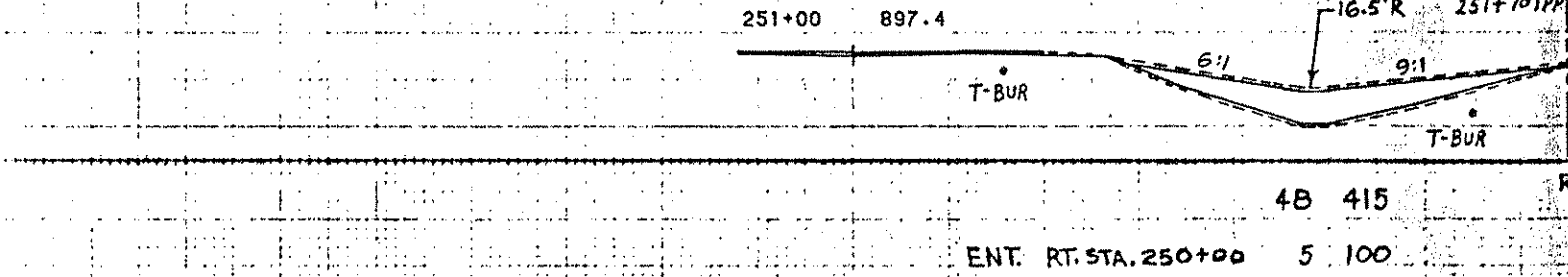
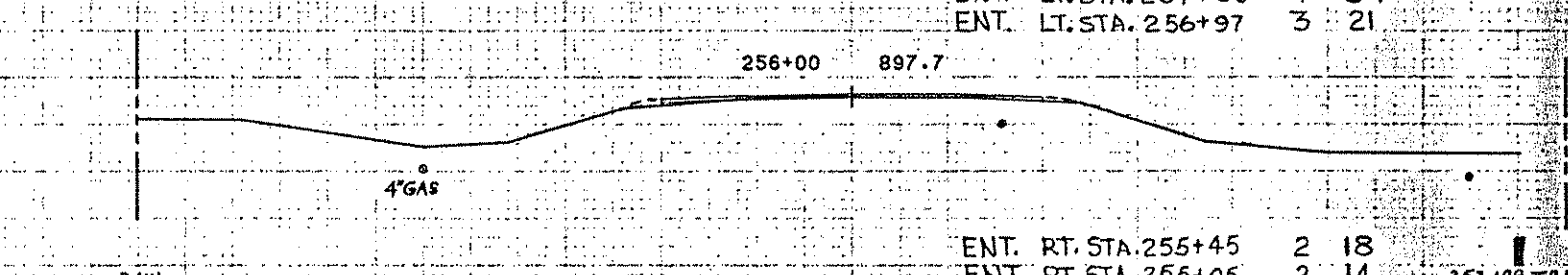
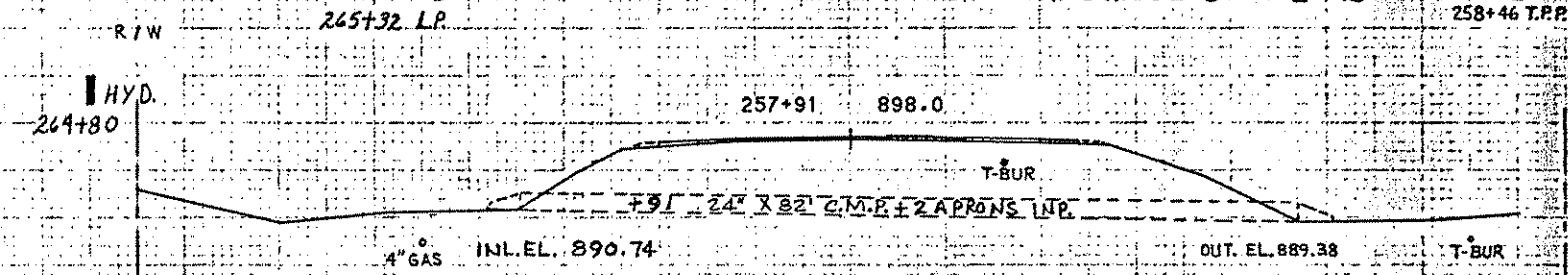
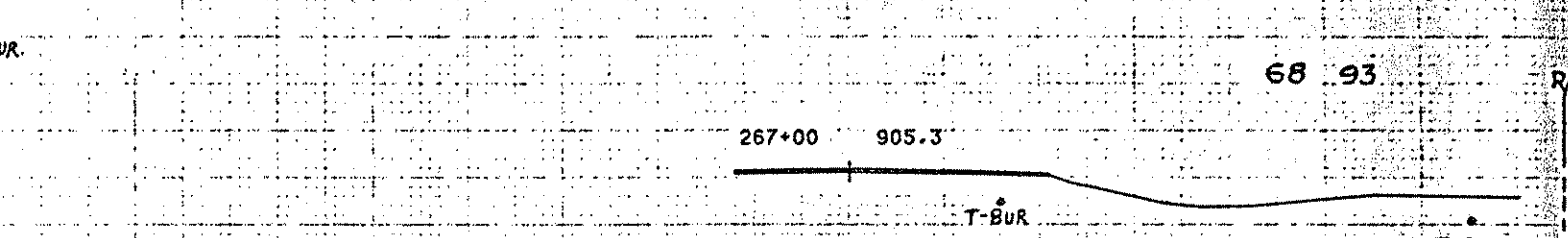
E.T.H. 242

E.T.H. 242



| | | |
|----------------------|---|----|
| ENT. LT. STA. 236+85 | 2 | 14 |
| ENT. LT. STA. 236+57 | 2 | 14 |
| ENT. RT. STA. 235+65 | 2 | 16 |
| ENT. RT. STA. 235+30 | 2 | 20 |

239+61 T.P.P.
STA. 240+00 TO STA. 249+02

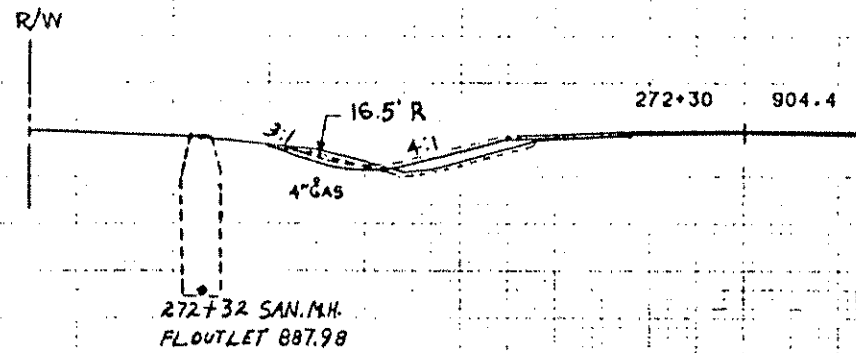


| | | |
|----------------------|---|----|
| ENT. RT. STA. 262+80 | 2 | 15 |
| ENT. LT. STA. 257+38 | 4 | 34 |
| ENT. LT. STA. 256+97 | 3 | 21 |
| ENT. RT. STA. 255+45 | 2 | 18 |
| ENT. RT. STA. 255+05 | 2 | 14 |
| ENT. RT. STA. 251+60 | 5 | 70 |

251+70 A.K.
16.5'R
251+70 T.P.P.
STA. 251+00 TO STA. 267+00

☉ T.H. 242

EXCAVATION
CU. YD. EMBANKMENT
CU. YD.



56 112

ENT. LT. STA. 271+87 28 42

271+45 905.1

126 176

ENT. LT. STA. 270+92 65 69

270+00 905.7

78 114

ENT. LT. STA. 269+45 44 56

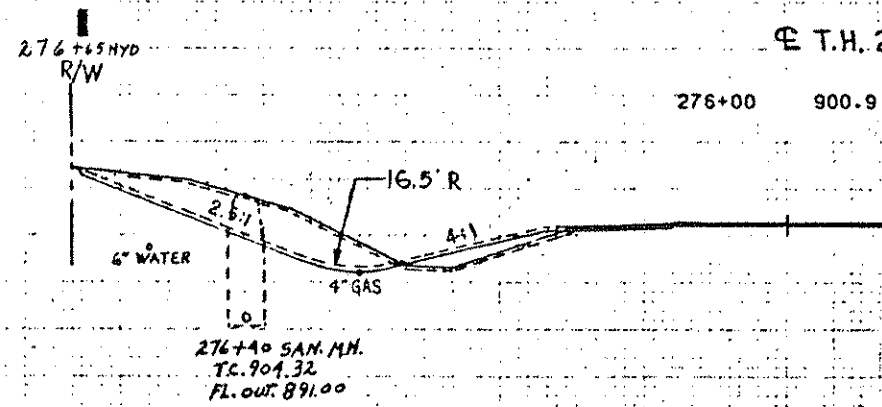
269+00 905.6

STA. 268+75 BEG. 0.5% D.G. LT. EL. 902.45

STA. 269+00 TO STA. 272+30

☉ T.H. 242

EXCAVATION
CU. YD. EMBANKMENT
CU. YD.



276+00 900.9

ENT. LT. STA. 275+65 35 56
420 180

275+00 901.9

ENT. LT. STA. 274+48 28 42
ENT. RT. STA. 274+25 3 12
208 135

274+00 902.9

ENT. RT. STA. 273+95 3 11
ENT. LT. STA. 273+53 34 49
47 94

STA. 273+26 BEG. -1.23% D.G. LT. EL. 900.17
END -0.5%

273+15 903.7

ENT. LT. STA. 272+80 28 42
46 113

STA. 273+15 TO STA. 276+00

R/W

E.T.H. 242

287+00 895.7

EXCAVATION
CU. YD. EMBANKMENT
CU. YD.

R/W

321+00 896.25

E.T.H. 242

EXCAVATION
CU. YD. EMBANKMENT
CU. YD.

R/W

T-BUR

T-BUR

286+77 T.P.P.

0 5

286+24 895.8

+24 30' X 82' C.M.P. + 2 APRONS INF.

4" GAS
OUT. EL. 888.71

INL. EL. 889.00

281+75 896.1

33 60

ENT. RT. STA. 279+57 1 6

ENT. RT. STA. 277+56 2 7
ENT. RT. STA. 277+27 2 7

STA. 277+40 END - 1.23% D.G. LT. EL. 895.08

277+84 T.P.P.

16.5' R

277+10 899.9

277+16 T-PED.

4" GAS

T-BUR

T-BUR

R/W

R/W

276+52 T.P.P.

R/W

LT. STA. 276+82 ENT. (REMOVE)

ENT. LT. STA. 276+82 56 0
380 163

STA. 277+10 TO STA. 287+00

289+00 896.4

T-BUR

4" GAS T-BUR

320+00 896.7

319+00 896.9

STA. 289+00 TO STA. 321+00

R/W

E.T.H. 242
324+50 895.89

EXCAVATION
CL. YD. EMBANKMENT
CL. YD. R/W

0 6

T-BUR

1 GAS

T-BUR

T-BUR T-BUR

324+49 T.P.P.

0 6

324+00 895.66

ENT. RT. STA. 323+65

2 33

0 6

323+50 895.94

ENT. RT. STA. 323+10

2 33

0 6

323+00 896.10

0 6

322+50 896.16

PROFILE 10' BIT. DRIVEWAY (ON SKEW)

0 6

322+00 896.20

1 GAS

0 6

321+50 896.25

321+50 T.P.P./L.P.

T-BUR

T-BUR

T-BUR T-BUR

0 6

1 GAS

R/W

R/W

E.T.H. 242
327+50 895.80

EXCAVATION
CL. YD. EMBANKMENT
CL. YD. R/W

0 4

T-BUR

1 GAS

T-BUR

1 GAS T-BUR T-BUR

0 4

327+00 895.81

0 4

326+50 895.83

0 6

326+00 896.07

0 6

325+50 895.85

0 6

325+00 895.93

T-BUR

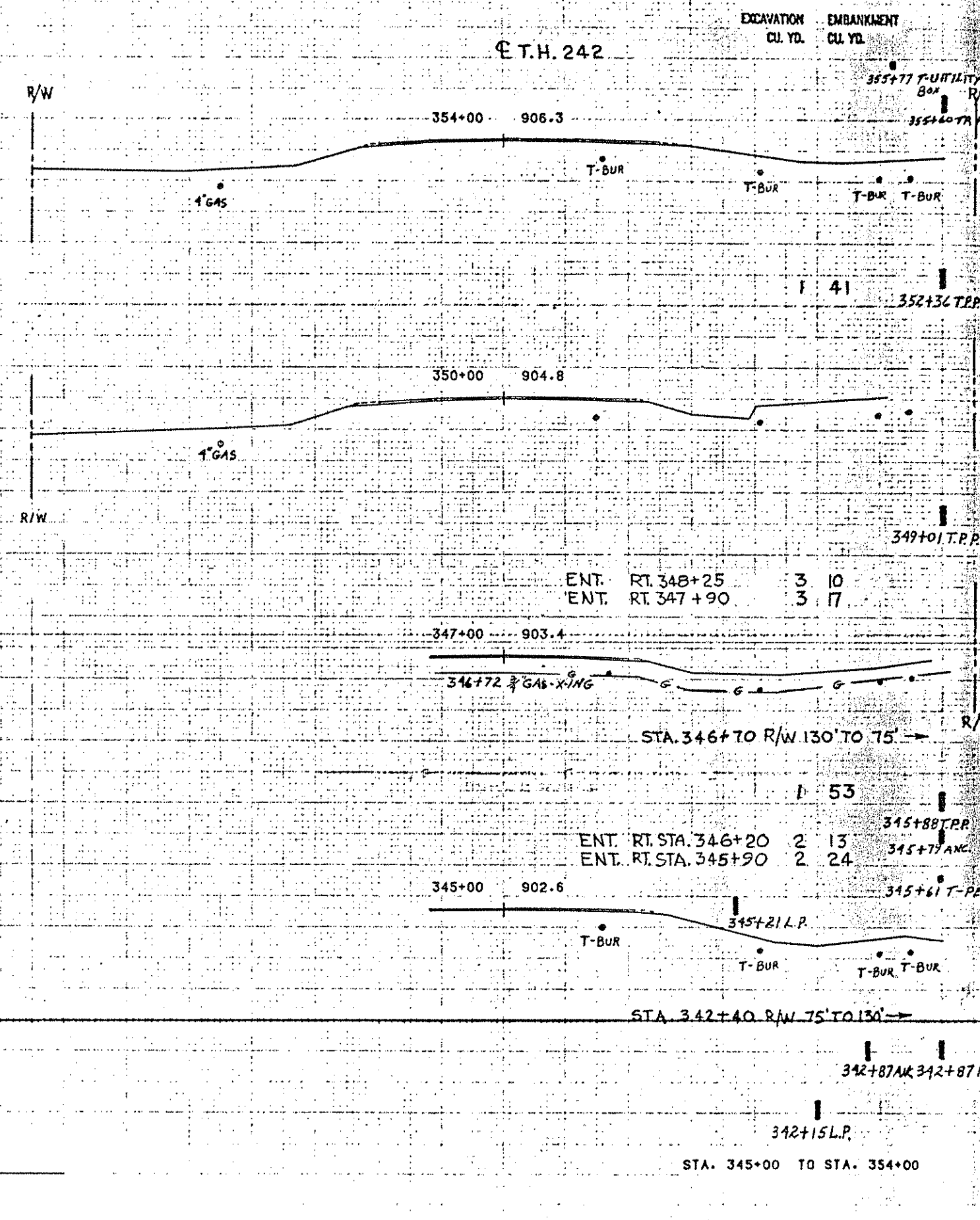
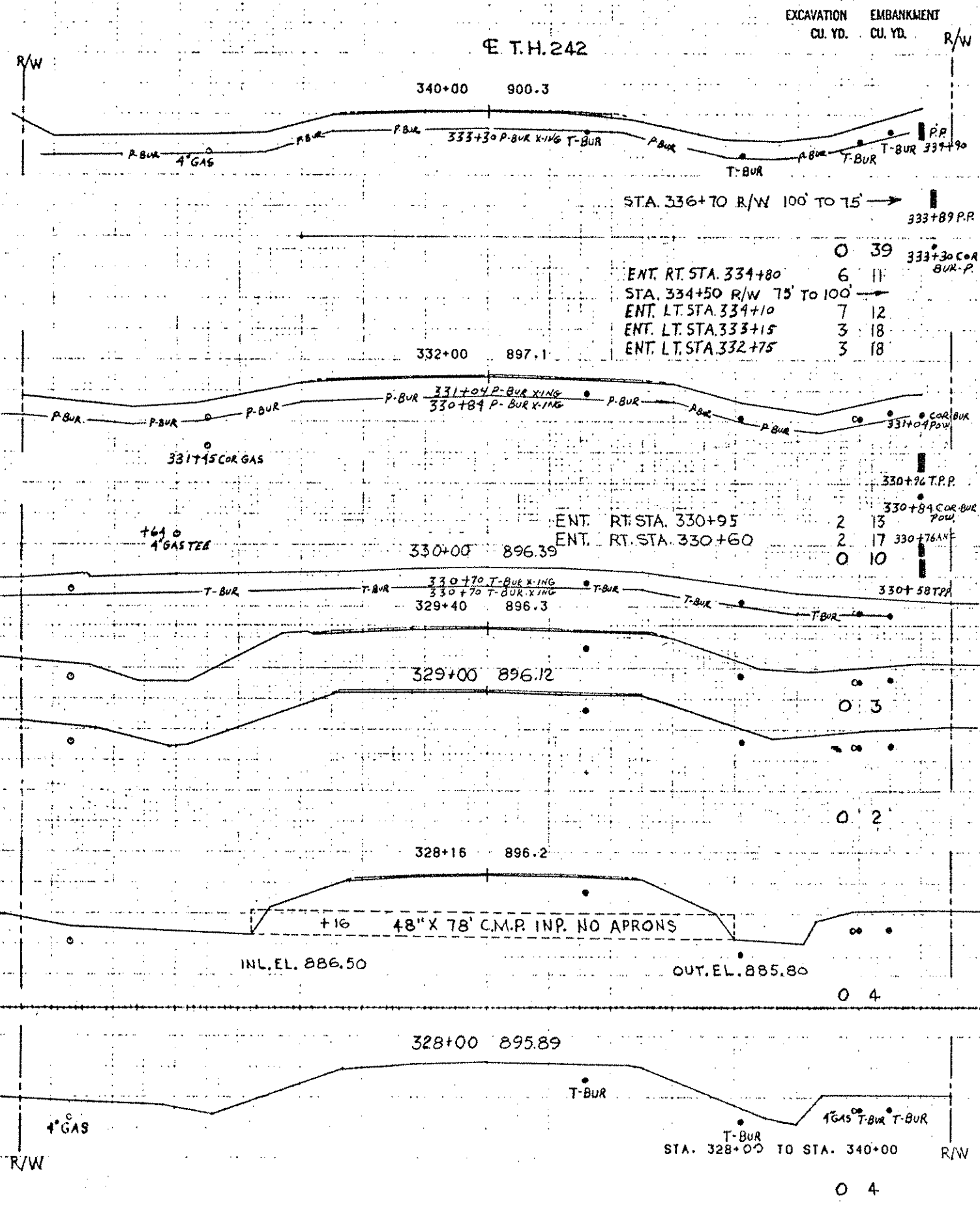
1 GAS

STA. 321+50 TO STA. 327+50

1 GAS T-BUR T-BUR

R/W

R/W



ROADWAY ENHANCEMENT
C.U. NO. 11.242

STA. 751+00 END BIT. SHOULDER CONST. RT.

905.2 905.00 905.2

0.7

0.11

905.6 905.50 905.6

0.38

ENT. RT. STA. 366+40 3

ENT. RT. STA. 366+40 2

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

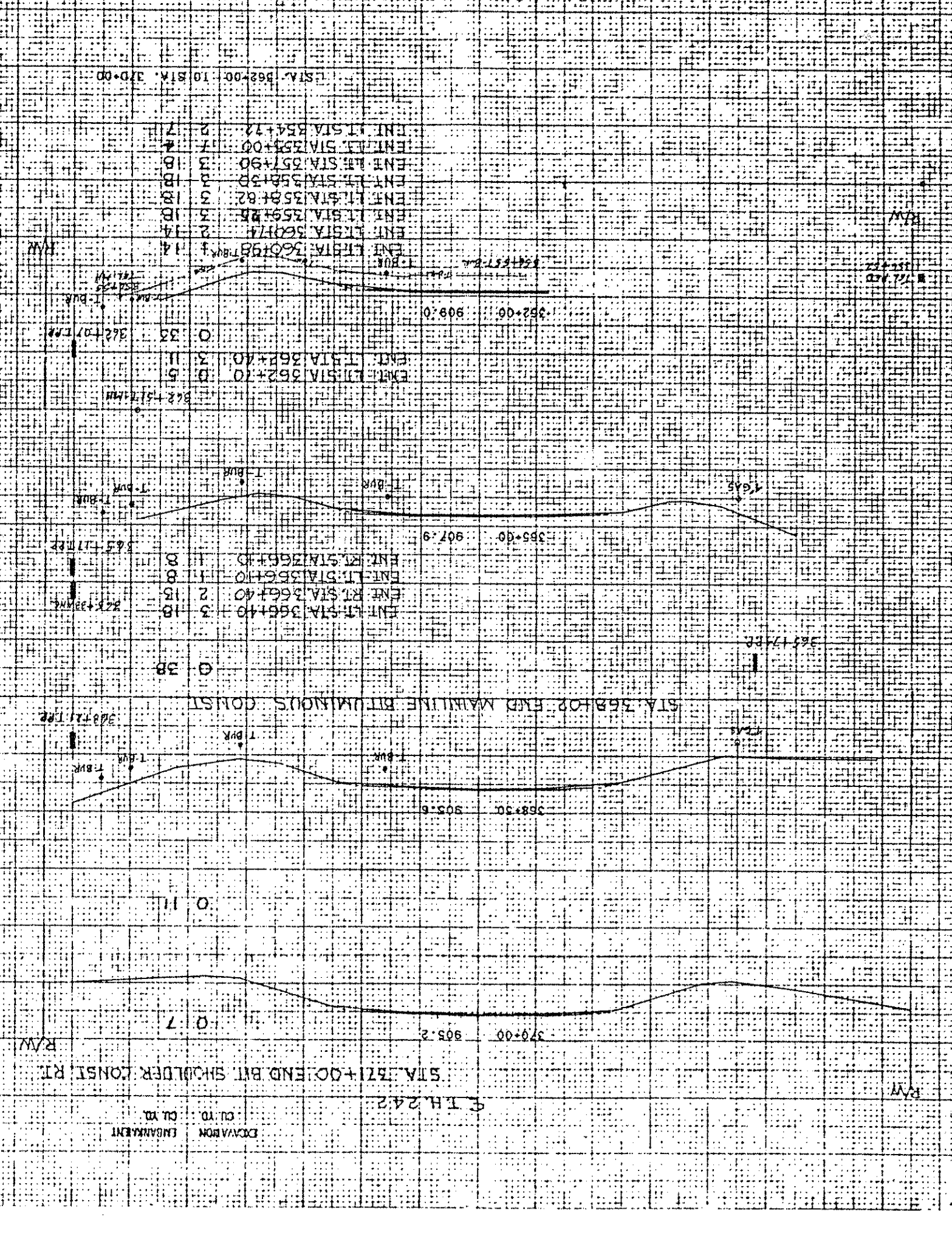
ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1



ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1

ENT. RT. STA. 366+40 1