

04-27-12 LETTING ITEM 132

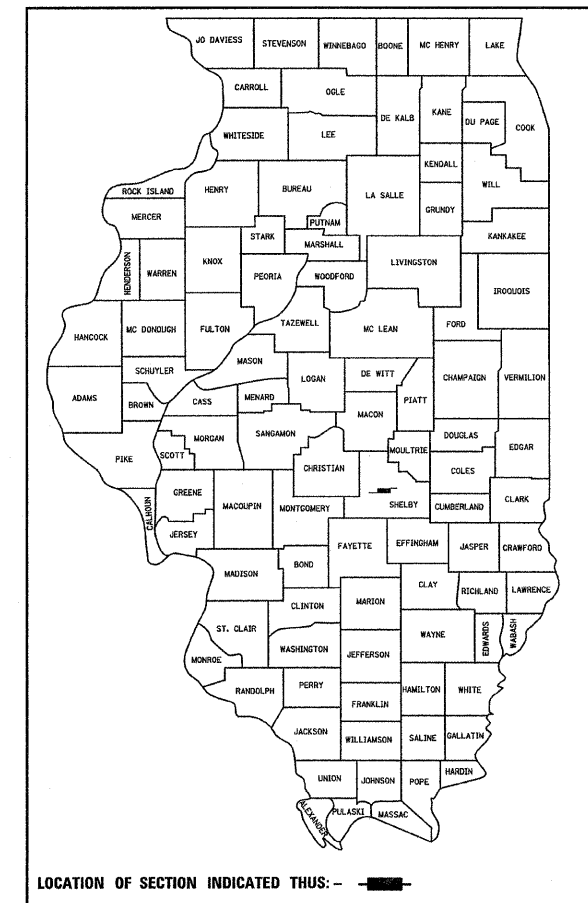
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED FHWA - TCSP CITY OF SHELBYVILLE IL SHELBY COUNTY SECTION 10-00051-00-BT GENERAL DACEY TRAIL PHASE 6 PROJECT NO. TCSP-IL09 (033) JOB NUMBER C-97-053-12

| * SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------|--------|--------------|-----------|
| ** 10-00051-00-BT | SHELBY | 31 | 1 |

• PHASE 6
•• GENERAL DACEY TRAIL

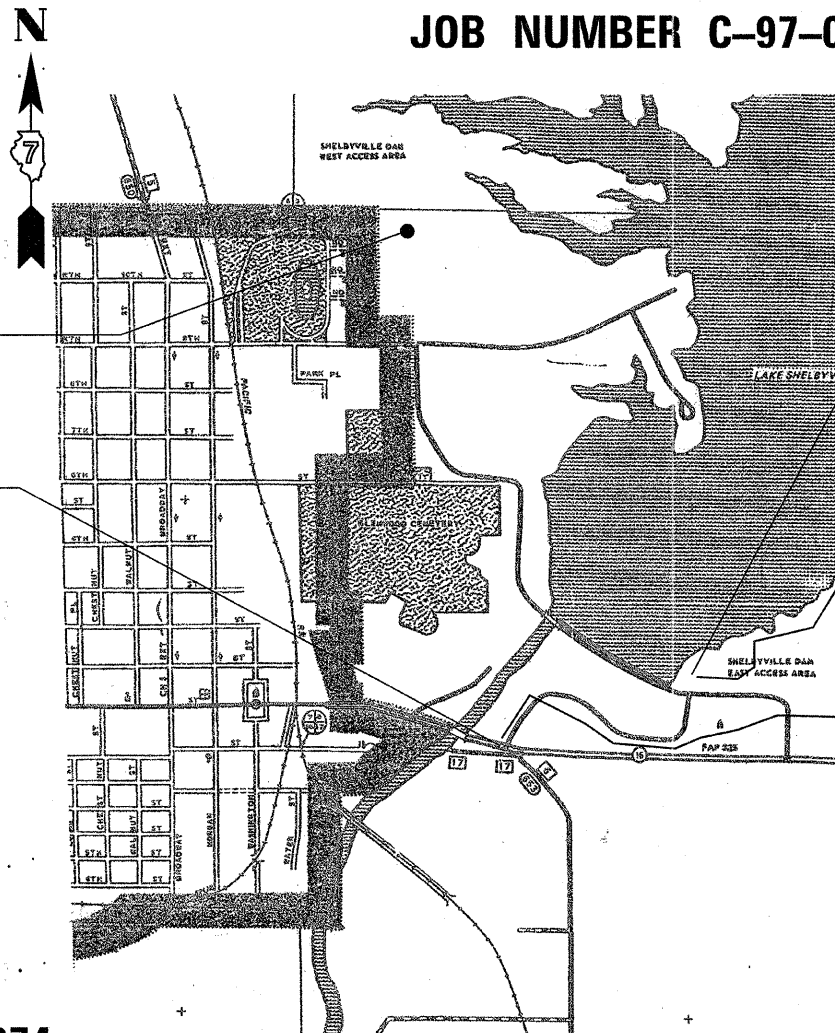
INDEX OF SHEETS
SEE SHEET 2 OF 31 SHEETS

LIST OF STANDARDS
SEE SHEET 2 OF 31 SHEETS



STOCKPILE LOCATION

BEGIN PROJECT STATION 600 + 00



END PROJECT STATION 658 + 43

PROJECT LENGTH
5843 FT. = 1.107 MILES

PLANS PREPARED BY:
SHELBY ENGINEERING
1010 E. NORTHLAND DR.
SHELBYVILLE ILLINOIS 62565

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

CONTRACT NUMBER 95674

PLANS PREPARED BY:



S. Alan Spesard
S. ALAN SPESARD DATE **02-01-2012**
LICENSED PROFESSIONAL ENGINEER OF IL
NUMBER 062-052965
EXPIRATION DATE 11-30-2013

CITY OF SHELBYVILLE
APPROVED 2-1 20 12
Roy Shuff
MAYOR, CITY OF SHELBYVILLE ILLINOIS

PASSED 2/23 20 12
Maureen Cost
DISTRICT SEVEN ENGINEER OF LOCAL ROAD AND STREETS

APPROVED 2/23 20 12
Roger J. Orsberry
DEPUTY DIRECTOR OF HIGHWAYS
REGION FOUR ENGINEER

RELEASING FOR BID BASED ON LIMITED REVIEW

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

| PAY ITEM CODE | DESCRIPTION | QUANTITY | UNIT |
|---------------|---|----------|--------|
| 20200100 | EARTH EXCAVATION | 3861 | CU YD |
| 25000200 | SEEDING, CLASS 2 | 3.1 | ACRE |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | 279 | POUND |
| 25000500 | PHOSPHORUS FERTILIZER NUTRIENT | 279 | POUND |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | 279 | POUND |
| 25100115 | MULCH, METHOD 2 | 3.1 | ACRE |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | 600 | POUND |
| 28000305 | TEMPORARY DITCH CHECKS | 76 | FOOT |
| 28000500 | INLET AND PIPE PROTECTION | 6 | EACH |
| 35100100 | AGGREGATE BASE COURSE, TYPE A | 1163 | TON |
| 35101400 | AGGREGATE BASE COURSE, TYPE B | 749 | TON |
| 40300100 | BITUMINOUS MATERIALS (PRIME COAT) | 1956 | GALLON |
| 40300300 | BITUMINOUS MATERIALS (COVER AND SEAL COATS) | 3412 | GALLON |
| 40300600 | SEAL COAT AGGREGATE | 144 | TON |
| 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | 3500 | SQ FT |
| 42400800 | DETECTABLE WARNINGS | 100 | SQ FT |
| 44000600 | SIDEWALK REMOVAL | 2392 | SQ FT |
| 542D0217 | PIPE CULVERTS, CLASS D, TYPE 1 12" | 148 | FOOT |
| 542D0220 | PIPE CULVERTS, CLASS D, TYPE 1 15" | 40 | FOOT |
| 542D0229 | PIPE CULVERTS, CLASS D, TYPE 1 24" | 18 | FOOT |
| 54215559 | METAL END SECTIONS 24" | 1 | EACH |
| 67100100 | MOBILIZATION | 1 | L SUM |
| 72000100 | SIGN PANEL - TYPE 1 | 62 | SQ FT |
| * 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | 344 | FOOT |
| * 78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | 132 | FOOT |
| * 78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" | 180 | FOOT |
| Z0003855 | BICYCLE RACKS | 2 | EACH |
| Z0004002 | BOLLARDS | 5 | EACH |
| X0300019 | REMOVE AND REINSTALL PARKING BLOCKS | 35 | EACH |
| X0301430 | PRECAST CONCRETE PARKING BLOCK | 5 | EACH |
| XX006785 | TIMBER BICYCLE RAILING | 60 | FOOT |
| XX008012 | WOOD SIGN POST 4x4x10 | 8 | EACH |
| XX008655 | STOCK PILE TOP SOIL | 128 | CU YD |
| XX008013 | WOOD SIGN POST 4x4x12 | 4 | EACH |

UTILITIES

GAS: AMEREN ILLINOIS
 GAS TECHNICAL ENGINEERING
 370 SOUTH MAIN STREET
 DECATUR ILLINOIS 62523
CONTACT - MR. MIKE WETHERELL

POWER: AMEREN C.I.P.S.
 420 NORTH 2400 EAST ROAD
 PANA ILLINOIS 62557
CONTACT - MR. BOB GIBBS 217-562-1432

TELEPHONE: CONSOLIDATED TELEPHONE COMPANY
 121 SOUTH 17TH STREET
 MATTOON ILLINOIS 61938
CONTACT - GERRY MEYERS 217-234-9971

WATER & SEWER: CITY OF SHELBYVILLE
 110 SOUTH MORGAN STREET
 SHELBYVILLE ILLINOIS 62565
CONTACT - DEBBIE HAMMOND 217-774-5131

POWER: SHELBY ELECTRIC COOP.
 ILLINOIS RT. 128 NORTH
 P.O. BOX 560
 SHELBYVILLE ILLINOIS 62565
CONTACT - JAMES MATLOCK 217-774-3986

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31. CROSS SECTION SHEET

HIGHWAY STANDARDS

| STANDARD NUMBER | STANDARD NAME |
|-----------------|--|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 280001-06 | TEMPORARY EROSION CONTROL SYSTEMS |
| 424001-06 | PERPENDICULAR CURB RAMPS FOR SIDEWALKS |
| 424026 | ENTRANCE / ALLEY PEDESTRIAN CROSSINGS |
| 542401-01 | METAL END SECTION FOR PIPE CULVERTS |
| 701801-05 | SIDEWALK, CORNER OR CROSSWALK CLOSURE |
| 701901-02 | TRAFFIC CONTROL DEVICES |
| 720001-01 | SIGN PANEL MOUNTING DETAILS |
| 720006-03 | SIGN PANEL ERECTION DETAILS |
| 780001-03 | TYPICAL PAVEMENT MARKINGS |

| | | |
|--------|--------------|-----------------|
| SCALE: | APPROVED BY: | DRAWN BY: |
| DATE: | | REVISED: |
| | | DRAWING NUMBER: |

GENERAL NOTES

1. WHERE SECTION, OR SUB-SECTION MARKERS, ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE DEPARTMENT AND AUTHORIZED AGENT OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
2. STATIONING FOR THIS PROJECT HAS BEEN TRANSFERRED FROM THE AERIAL SURVEYS AND MAPPING. THEREFORE STATIONS REFERRED TO ARE ONLY APPROXIMATE AND SHOULD NOT BE USED AS EXACT DISTANCES. FIELD VERIFY LOCATIONS BEFORE COMMENCING CONSTRUCTION. THESE REFERENCE POINTS ARE INCLUDED TO ENABLE RE-CREATION OF FIELD SURVEYS FOR SPECIFIC SEGMENTS OF THE TRAIL.
3. ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON AN U.S.G.S. DATUM.
4. ALL STATION AND OFFSET REFERENCE ARE TO THE TRAIL CENTERLINE.
5. IN ADDITION TO FIELD SURVEYS AND AERIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING MAPPING AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE SAID ITEMS OF WORK.
6. TREES WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED ONLY AT THE DIRECTION OF THE ENGINEER.
7. THE CONTRACTOR SHALL EXERCISE CARE IN WORKING NEAR TREES, SHRUBS, AND BUSHES WHICH ARE NOT TO BE REMOVED SO AS NOT TO CAUSE ANY INJURY TO ROOTS, TRUNKS, AND BRANCHES.
8. ALL TREES AND STUMPS DIRECTED BY THE ENGINEER FOR REMOVAL SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OFF OF THE PROJECT SITE
9. NO PAYMENT FOR OVERHAUL WILL BE ALLOWED FOR EARTH MOVED FROM ANY SOURCE.
10. GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, GUARDRAIL, GUARDRAIL POST, UTILITY POLES, SIGN POST, SHRUBS, TREES, OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISIONS AS TO ITEMS TO REMAIN IN PLACE SHALL BE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
11. IF SO DIRECTED BY THE ENGINEER, DITCHES ADJACENT TO EMBANKMENTS SHALL BE CONSTRUCTED PRIOR TO STARTING THE CONSTRUCTION OF THE EMBANKMENT FILL.
12. SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED RIGHT-OF-WAY OR EASEMENT LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
13. COURSE AGGREGATES GRADATION CA-10 MAY BE USED WHENEVER COURSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATION.
14. BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK, THE CONTRACTOR AND/OR SUBCONTRACTORS SHALL VERIFY DIMENSIONS AND ELEVATIONS AT THE SITE AND BE RESPONSIBLE FOR THE CORRECTNESS OF SAME RELATING TO EXISTING UTILITIES, STORM SEWERS, WATER MAINS, FIELD TILES, ROADWAYS, CURB AND GUTTER, ETC. IF ANY DEVIATIONS ARE NOTED, THEY SHALL BE REPORTED TO THE PROJECTS RESIDENT ENGINEER PRIOR TO PROCEEDING WITH THE WORK.
15. CONTRACTOR SHALL NOTIFY THE CITY OF SHELBYVILLE, UNITED STATES ARMY CORPS OF ENGINEERS AND THE RESIDENT ENGINEER 72 HOURS IN ADVANCE OF CONSTRUCTION WORK.

16. BEFORE ORDERING ANY PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.
17. IF ANY CORPS OF ENGINEER MARKERS ARE FOUND OR ENCOUNTERED THE ENGINEER SHALL BE NOTIFIED. NO CORPS OF ENGINEER MONUMENTS OR MARKERS SHALL BE REMOVED.
18. THE U.S. ARMY CORPS OF ENGINEERS HAS INSTRUMENTS SUCH AS SURVEY POINTS, ETC THAT MUST STAY PROTECTED AT ALL TIMES. THESE ITEMS ARE CRUCIAL FOR THE MONITORING OF THE DAM. THE U.S. ARMY CORP HAS HISTORIC DATA TIED TO THESE POINTS AND IF THE POINTS ARE DISTURBED OR DESTROYED IT CAN NOT BE RESTORED. THE CONTRACTOR MUST KEEP THESE POINTS "SAFE" AT ALL TIMES. THESE POINTS WILL BE MARKED BY THE CORP OF ENGINEERS AND THE ENGINEER PRIOR TO THE START OF CONSTRUCTION.

CONTRACT # 95674
 CITY OF SHELBYVILLE IL
 GENERAL DACEY TRAIL - PHASE 6
 SECTION 10-00051-00-BT
 SHEET 3 OF 31 SHEETS

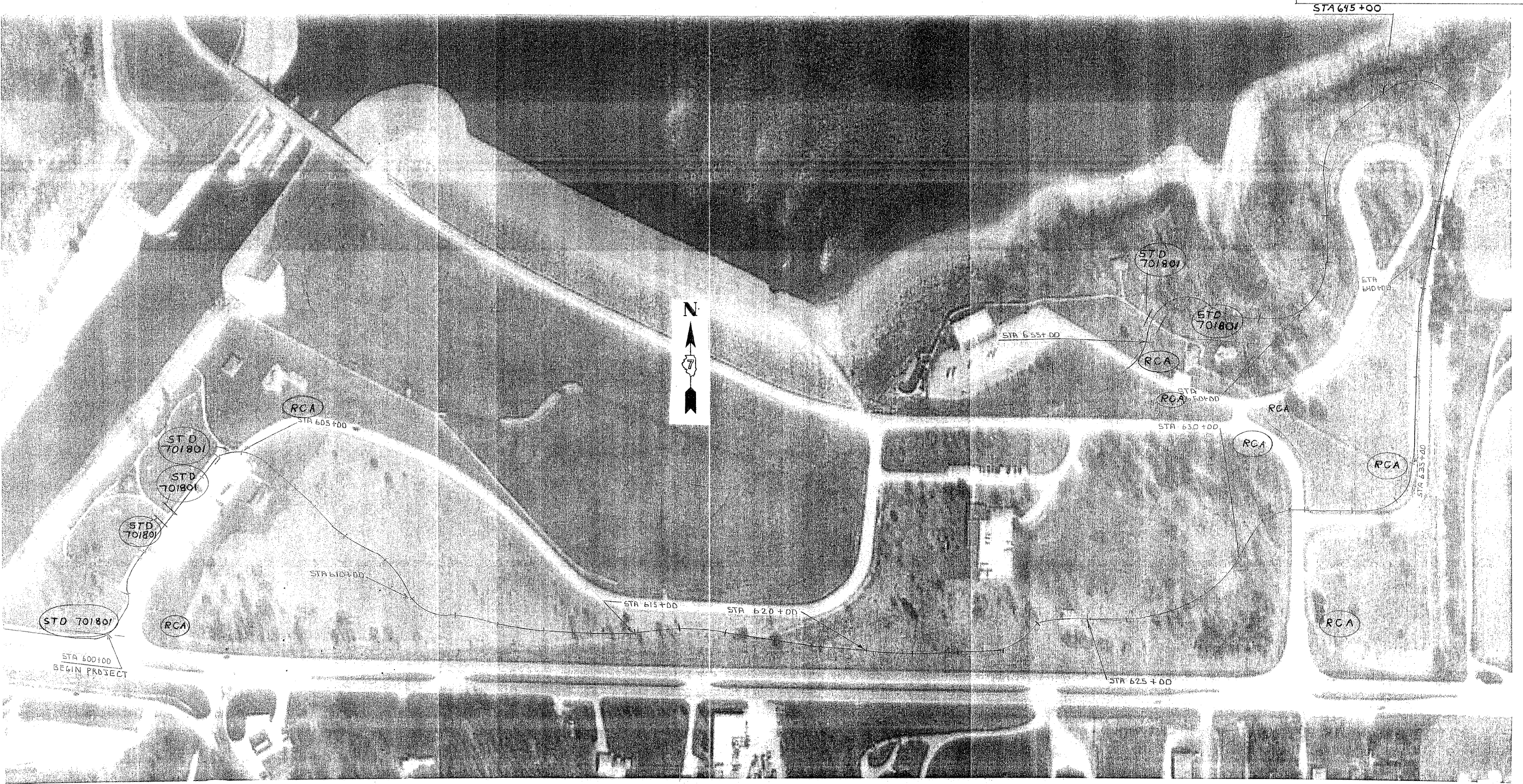
RATES OF APPLICATION

| | |
|-----------------------------------|---------------------|
| NITROGEN FERTILIZER NUTRIENTS | 90 LBS./ACRE |
| PHOSPHORUS FERTILIZER NUTRIENTS | 90 LBS./ACRE |
| POTASSIUM FERTILIZER NUTREINTS | 90 LBS./ACRE |
| MULCH METHOD 2 | 2.0 TONS/ACRE |
| BITUMINOUS MATERIALS (PRIME COAT) | 0.35 GAL. / SQ. YD. |
| BITUMINOUS MATERIALS (SEAL COAT) | 0.30 GAL. / SQ. YD. |
| SEAL COAT AGGREGATE | 25 LBS. / SQ. YD. |
| AGGREGATE BASE COURSE TYPE A | 2.1 TONS/CU. YD. |
| AGGREGATE BASE COURSE TYPE B | 2.1 TONS/CU. YD. |

GENERAL NOTES

| | | |
|----------------------------|-------------------------|---------------------------------|
| SCALE: <u>NA</u> | APPROVED BY: <u>SPS</u> | DRAWN BY: <u>CRS</u> |
| DATE: <u>06-25-11</u> | | REVISED: <u>KFP</u> |
| GENERAL DACEY TRAIL | | |
| TRAIL 6 | | DRAWING NUMBER: <u>06-GN-01</u> |

TRAFFIC CONTROL LAYOUT

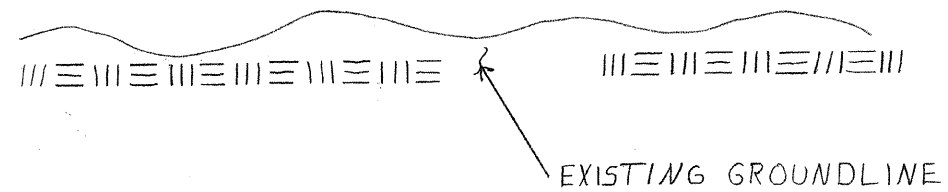


LEGEND

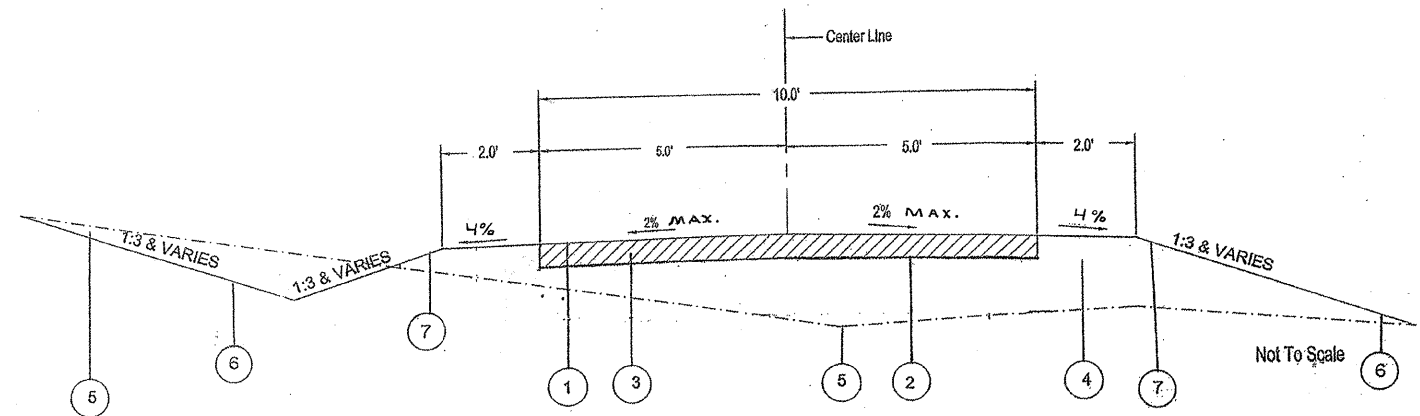
RCA = 48" X 48" ROAD CONSTRUCTION AHEAD WITH A FLASHING LIGHT

STD 701801 = SIDEWALK CLOSURE

| | | | |
|-----------------------------|------------------|---------------|----------------|
| GENERAL DACEY TRAIL PHASE 6 | | | |
| SCALE: N/A | APPROVED BY: SAS | DRAWN BY: CRS | DATE: 11-05-11 |
| TRAFFIC CONTROL LAYOUT | | REVISED: KFP | DRAWING NUMBER |



**EXISTING
 TYPICAL CROSS SECTION**



TYPICAL CUT SECTION

TYPICAL FILL SECTION

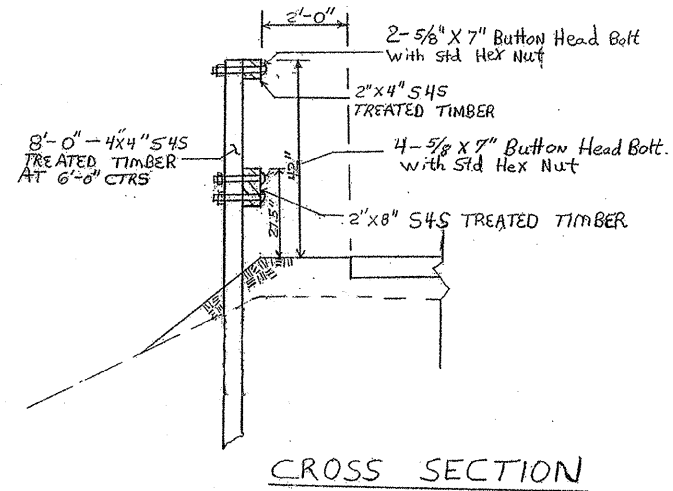
TYPICAL PROPOSED CROSS SECTION

LEGEND

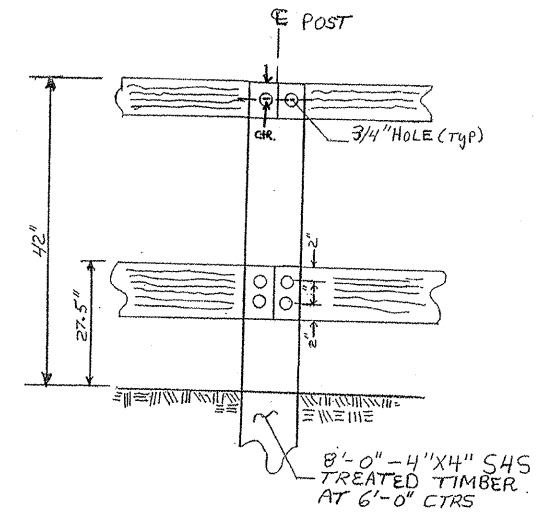
- 1. BITUMINOUS SEAL COAT (A-2)
 - A. BITUMINOUS MATERIALS (PRIME COAT; MC 30)
 - B. 2 LAYERS OF BITUMINOUS SEAL COAT (A-2) (HFE-150 AND CA-16 CRUSHED STONE)
- 2. PROPOSED SUBGRADE
- 3. AGGREGATE BASE COURSE 6" TYPE A OR B (**)
- 4. EARTH EXCAVATION & EMBANKMENT
- 5. EXISTING GROUND PROFILE
- 6. PROPOSED GROUND PROFILE
- 7. SEEDING CLASS 2 SEED MIX WITH MULCH METHOD 2

(**) SEE SPECIAL PROVISIONS

| | | | |
|------------------------|--------------|---------------|----------------|
| TYPICAL CROSS SECTIONS | | | |
| SCALE: N/A | APPROVED BY: | DRAWN BY: CRS | |
| DATE: | | REVISED: KPP | |
| GENERAL DACEY TRAIL | | | |
| | | | DRAWING NUMBER |



CROSS SECTION



ELEVATION
 (BIKE PATH SIDE)

TIMBER BICYCLE RAIL

NOTES

Bolts, cap screws, and nuts shall conform to the requirement of ASTM designation A-307 except for the high strength bolts, nuts and washers noted which shall conform to AASHTO M-232.

All bolts, nuts, cap screws, washers and lock washers shall be galvanized in accordance with AASHTO M-232.

All holes in wooden post and rails shall be field drilled by the contractor. The cost of drilling shall be included in the unit price for wooden rub railing and wooden bicycle rail.

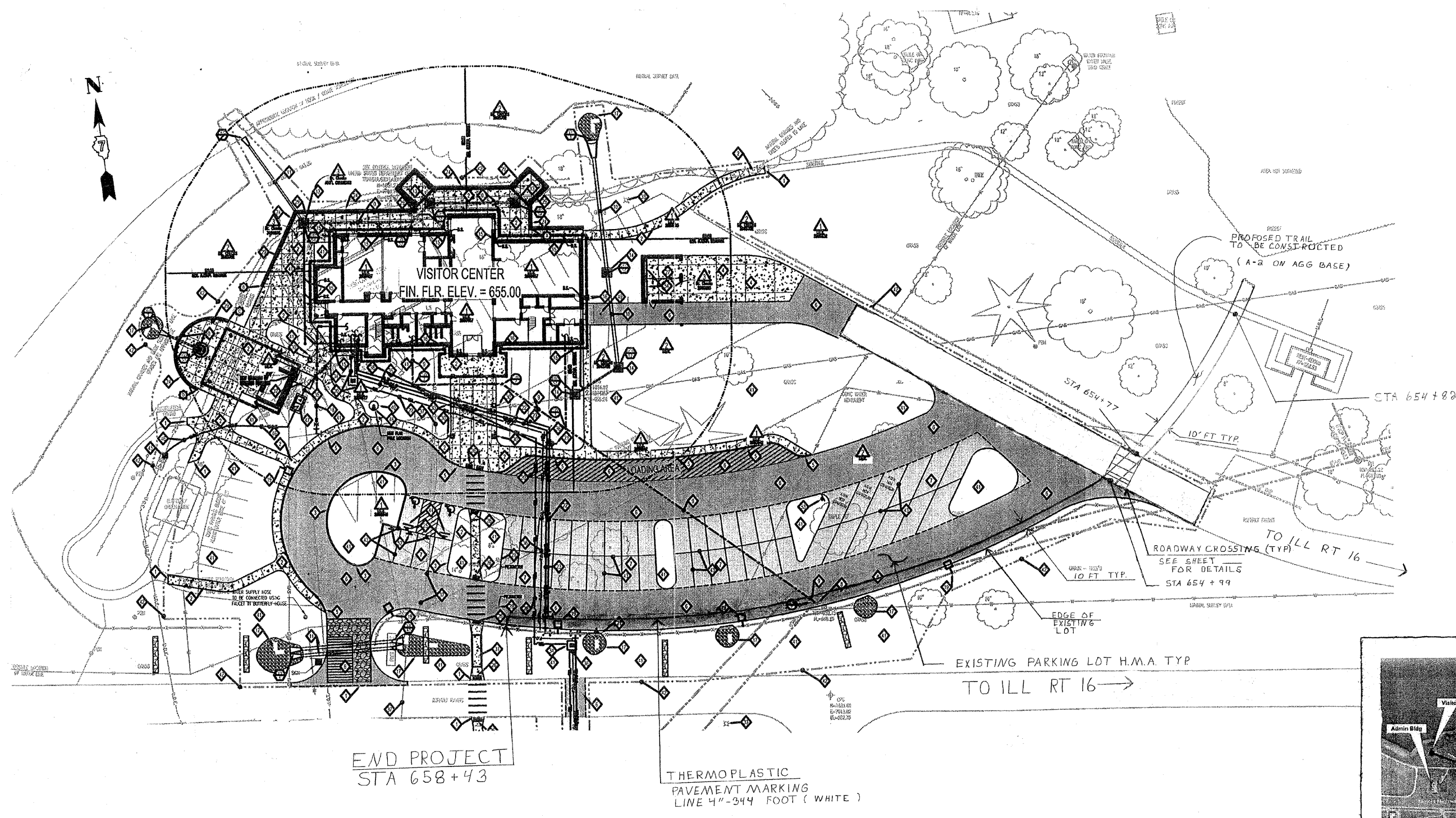
All field drilled holes in the metal post shall be coated with approved zinc rich paint before the erection of the wooden rails.

All wood material for the rub rail and bicycle railing shall conform to the applicable parts of section 1007 of the standard specification for road and bridge construction.

All wood shall have preservative treatment in accordance with article 1007.12 of the standard specifications for road and bridge construction.

TIMBER BICYCLE RAILING SCHEDULE

| LOCATION | O/S | QUANTITY |
|--------------------------|-------|----------|
| STA 613+70 TO STA 614+30 | LEFT | 60 FOOT |
| | TOTAL | 60 FOOT |

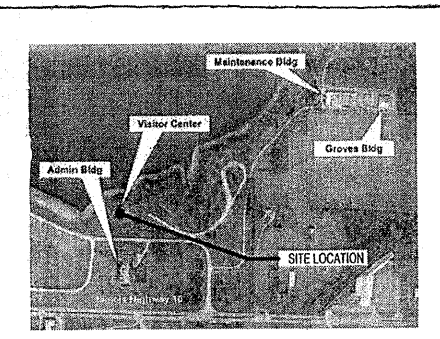


END PROJECT
 STA 658+43

THERMOPLASTIC
 PAVEMENT MARKING
 LINE 4"-344 FOOT (WHITE)

THERMOPLASTIC LINE 4"

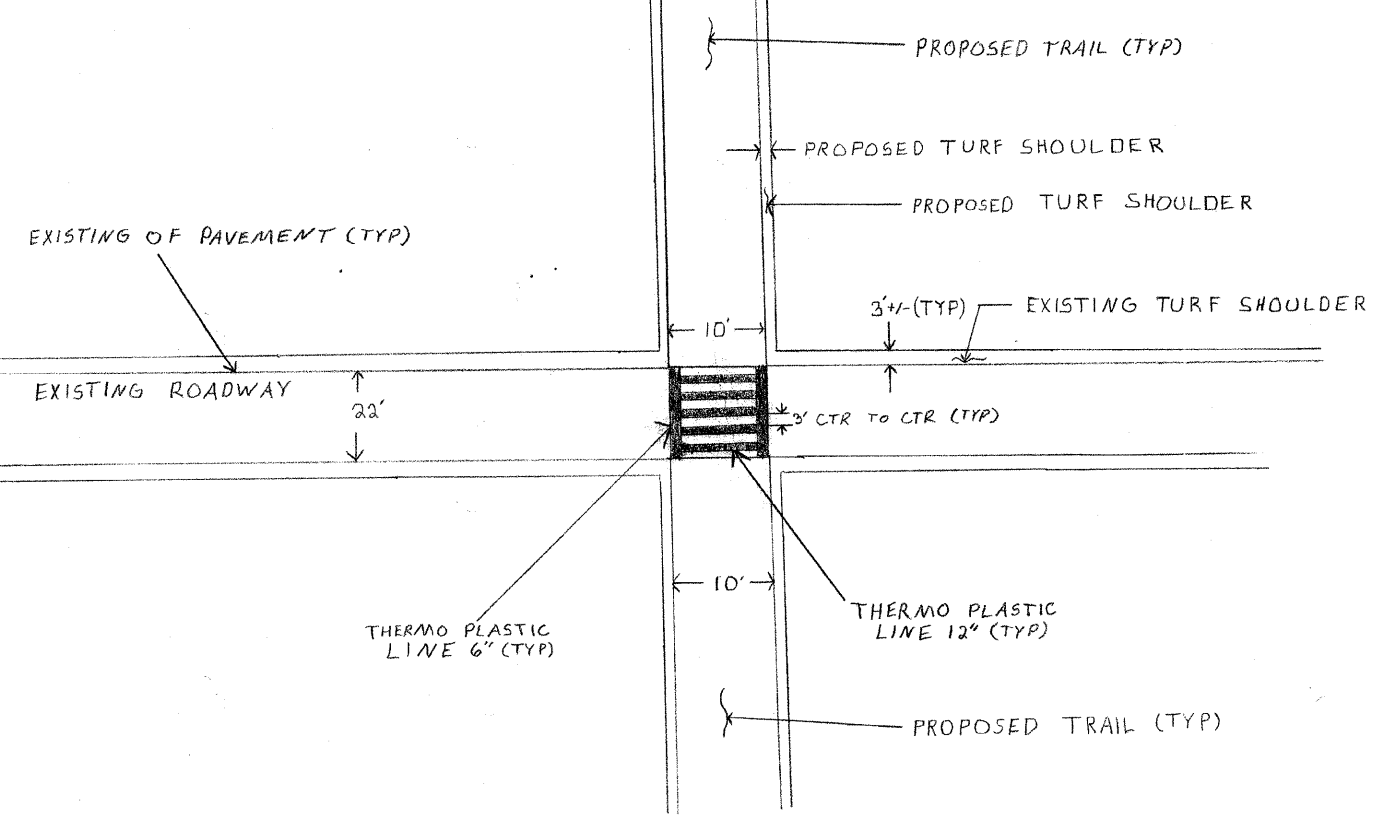
| STA TO STA | OFFSET | COLOR | QUANTITY |
|------------------|-------------|-------|----------|
| 656+31 TO 658+43 | 5 FT. RIGHT | WHITE | 344 FOOT |
| | | TOTAL | 344 FOOT |



OVERALL SITE MAP
 SCALE: N.T.S.

GENERAL DACEY TRAIL
 VISITOR CENTER LOT

| | | |
|------------|------------------|-----------------|
| SCALE: N/A | APPROVED BY: SAS | DRAWN BY: CRS |
| DATE: | REVISED: KPP | DRAWING NUMBER: |



**TYPICAL
 ROADWAY CROSSING DETAILS**

THERMOPLASTIC LINE 6"

| STA TO STA | OFFSET | COLOR | QUANTITY |
|------------------|-----------|--------------|-----------------|
| 604+80 TO 605+02 | 10' LEFT | WHITE | 22 FOOT |
| 604+80 TO 605+02 | 10' RIGHT | WHITE | 22 FOOT |
| 631+77 TO 631+99 | 10' LEFT | WHITE | 22 FOOT |
| 631+77 TO 631+99 | 10' RIGHT | WHITE | 22 FOOT |
| 654+77 TO 654+99 | 10' LEFT | WHITE | 22 FOOT |
| 654+77 TO 654+99 | 10' RIGHT | WHITE | 22 FOOT |
| | | TOTAL | 132 FOOT |

THERMOPLASTIC LINE 12"

| STA TO STA | TYPE | NUMBER | COLOR | QUANTITY |
|------------------|----------|------------|--------------|-----------------|
| 604+80 TO 605+02 | DIAGONAL | 6 @ 10 FT. | WHITE | 60 FOOT |
| 631+77 TO 631+99 | DIAGONAL | 6 @ 10 FT. | WHITE | 60 FOOT |
| 654+77 TO 654+99 | DIAGONAL | 6 @ 10 FT. | WHITE | 60 FOOT |
| | | | TOTAL | 180 FOOT |

SIDEWALK REMOVAL SCHEDULE

| STATION TO STATION | WIDTH | QUANTITY |
|--------------------|--------------|---------------------|
| 601+70 TO 604+69 | 8 FT | 2392 SQ. FT. |
| | TOTAL | 2392 SQ. FT. |

PORTLAND CEMENT CONCRETE SIDEWALK 5" SCHEDULE

| STATION TO STATION | WIDTH | QUANTITY |
|--------------------|--------------|---------------------|
| 601+70 TO 604+70 | 10 FT. | 3000 SQ. FT. |
| 605+10 TO 605+20 | 10 FT. | 100 SQ. FT. |
| 631+80 TO 631+90 | 10 FT. | 100 SQ. FT. |
| 632+06 TO 632+16 | 10 FT. | 100 SQ. FT. |
| 655+20 TO 655+30 | 10 FT. | 100 SQ. FT. |
| 655+50 TO 655+60 | 10 FT. | 100 SQ. FT. |
| | TOTAL | 3500 SQ. FT. |

DETECTABLE WARNINGS SCHEDULE

| LOCATION | WIDTH | QUANTITY |
|--------------------------|--------------|--------------------|
| STA 605+10 TO STA 605+12 | 10 FT. | 20 SQ. FT. |
| STA 631+88 TO STA 631+90 | 10 FT. | 20 SQ. FT. |
| STA 632+06 TO STA 632+08 | 10 FT. | 20 SQ. FT. |
| STA 655+28 TO STA 655+30 | 10 FT. | 20 SQ. FT. |
| STA 655+50 TO STA 655+52 | 10 FT. | 20 SQ. FT. |
| | TOTAL | 100 SQ. FT. |

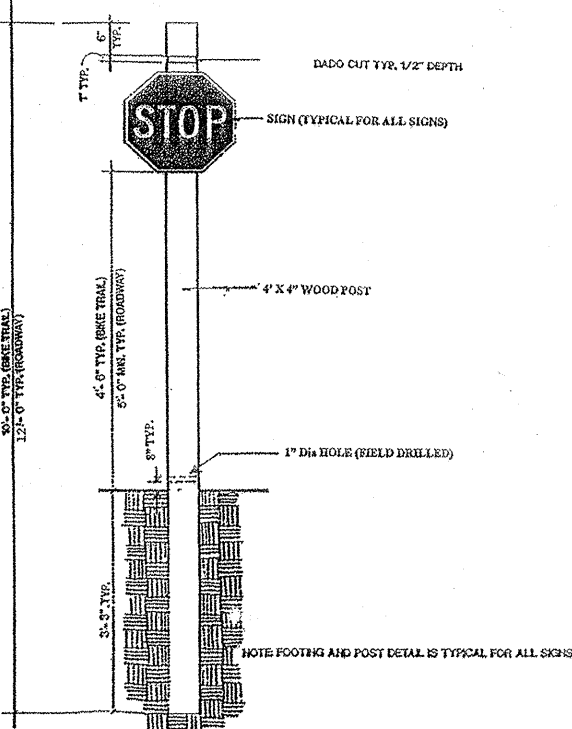
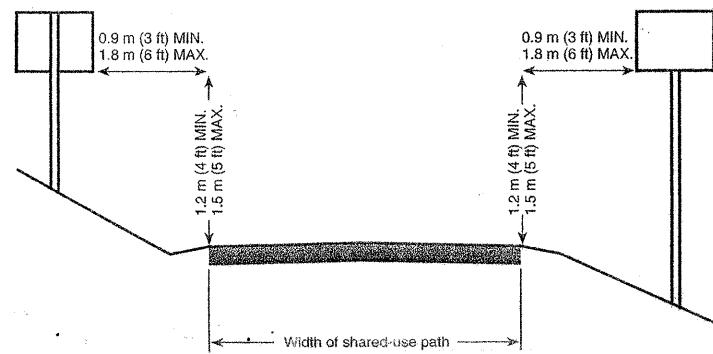
BOLLARDS SCHEDULE

| LOCATION | OFFSET | QUANTITY |
|------------|--------------|---------------|
| STA 605+11 | CENTERLINE | 1 EACH |
| STA 631+89 | CENTERLINE | 1 EACH |
| STA 632+07 | CENTERLINE | 1 EACH |
| STA 655+29 | CENTERLINE | 1 EACH |
| STA 655+51 | CENTERLINE | 1 EACH |
| | TOTAL | 5 EACH |

ROADWAY CROSSING

| | | |
|---------------------|------------------|------------------|
| SCALE: N/A | APPROVED BY: SAS | DRAWN BY: C.R.S. |
| DATE: 11.10.11 | REVISED: K.P.P. | |
| GENERAL DACEY TRAIL | | DRAWING NUMBER: |

SIGN LOCATION PAGE



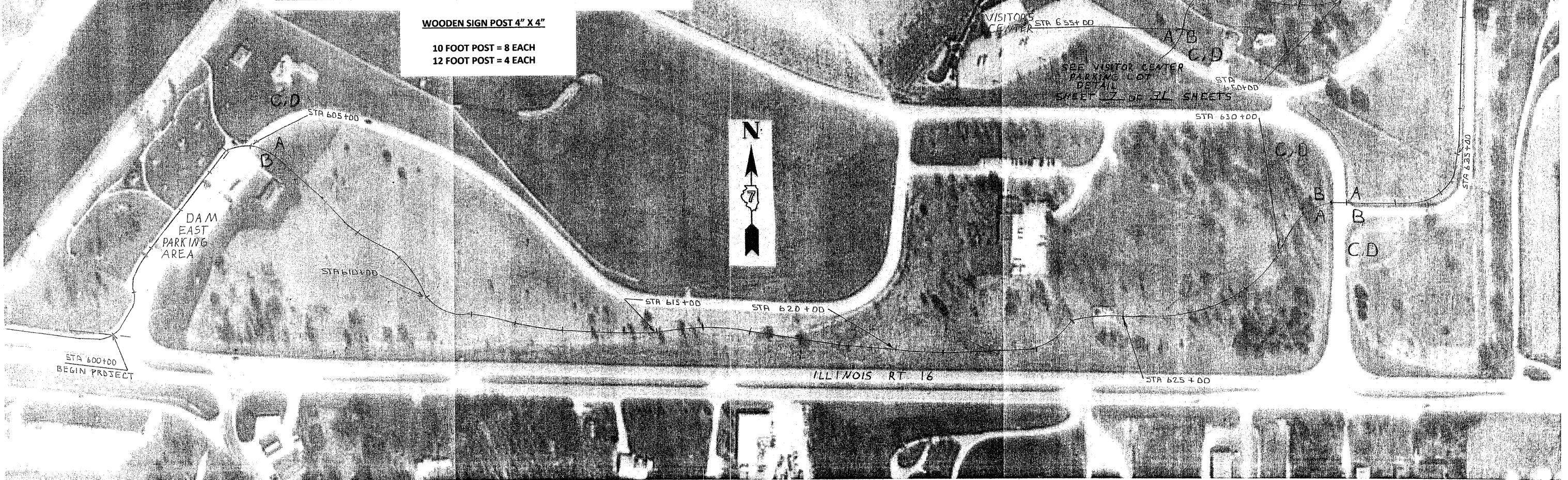
SIGN LEGEND

| LETTER | SIGN NAME | M.U.T.C.D. CODE | SIZE |
|--------|-------------------|-----------------|-----------|
| A | STOP | R 1-1 | 18" X 18" |
| B | NO MOTOR VEHICLES | R 5-3 | 24" X 24" |
| C | TRAIL WARNING | W 11-15 ** | 30" X 30" |
| D | TRAIL X-ING | W11-15P ** | 24" X 18" |

SIGN SCHEDULE

| STA. | O/S | SIGN | QUANTITY (SQ. FT.) | 4"X4" POST LENGTH | LETTER | SIZE |
|--------|-------|----------|--------------------|-------------------|--------|-----------|
| 605+10 | LEFT | R 1-1 | 2.25 | 10 | A | 18" X 18" |
| 605+10 | RIGHT | R 5-3 | 4.00 | 10 | B | 24" X 24" |
| 606+03 | LEFT | W 11-15 | 6.25 | 12 | C | 30" x 30" |
| 606+03 | LEFT | W 11-15P | 3.00 | N/A | D | 24" X 18" |
| 631+30 | LEFT | W 11-15 | 6.25 | 12 | C | 30" x 30" |
| 631+30 | LEFT | W 11-15P | 3.00 | N/A | D | 24" X 18" |
| 631+32 | RIGHT | R 1-1 | 2.25 | 10 | A | 18" X 18" |
| 631+32 | LEFT | R 5-3 | 4.00 | 10 | B | 24" X 24" |
| 631+53 | LEFT | R 1-1 | 2.25 | 10 | A | 18" X 18" |
| 631+53 | RIGHT | R 5-3 | 4.00 | 10 | B | 24" X 24" |
| 631+55 | RIGHT | W 11-15 | 6.25 | 12 | C | 30" x 30" |
| 631+55 | RIGHT | W 11-15P | 3.00 | N/A | D | 24" X 18" |
| 654+95 | RIGHT | R 1-1 | 2.25 | 10 | A | 18" X 18" |
| 654+95 | LEFT | R 5-3 | 4.00 | 10 | B | 24" X 24" |
| 654+97 | LEFT | W 11-15 | 6.25 | 12 | C | 30" x 30" |
| 654+97 | LEFT | W 11-15P | 3.00 | N/A | D | 24" X 18" |
| TOTAL | | | 62.0 SQ. FT. | | | |

** FLUORESCENT YELLOW - GREEN BACKGROUND COLOR SHALL BE USED FOR THIS SIGN AND PLAQUE. (THESE SIGNS SHALL BE AZ SHEETING)

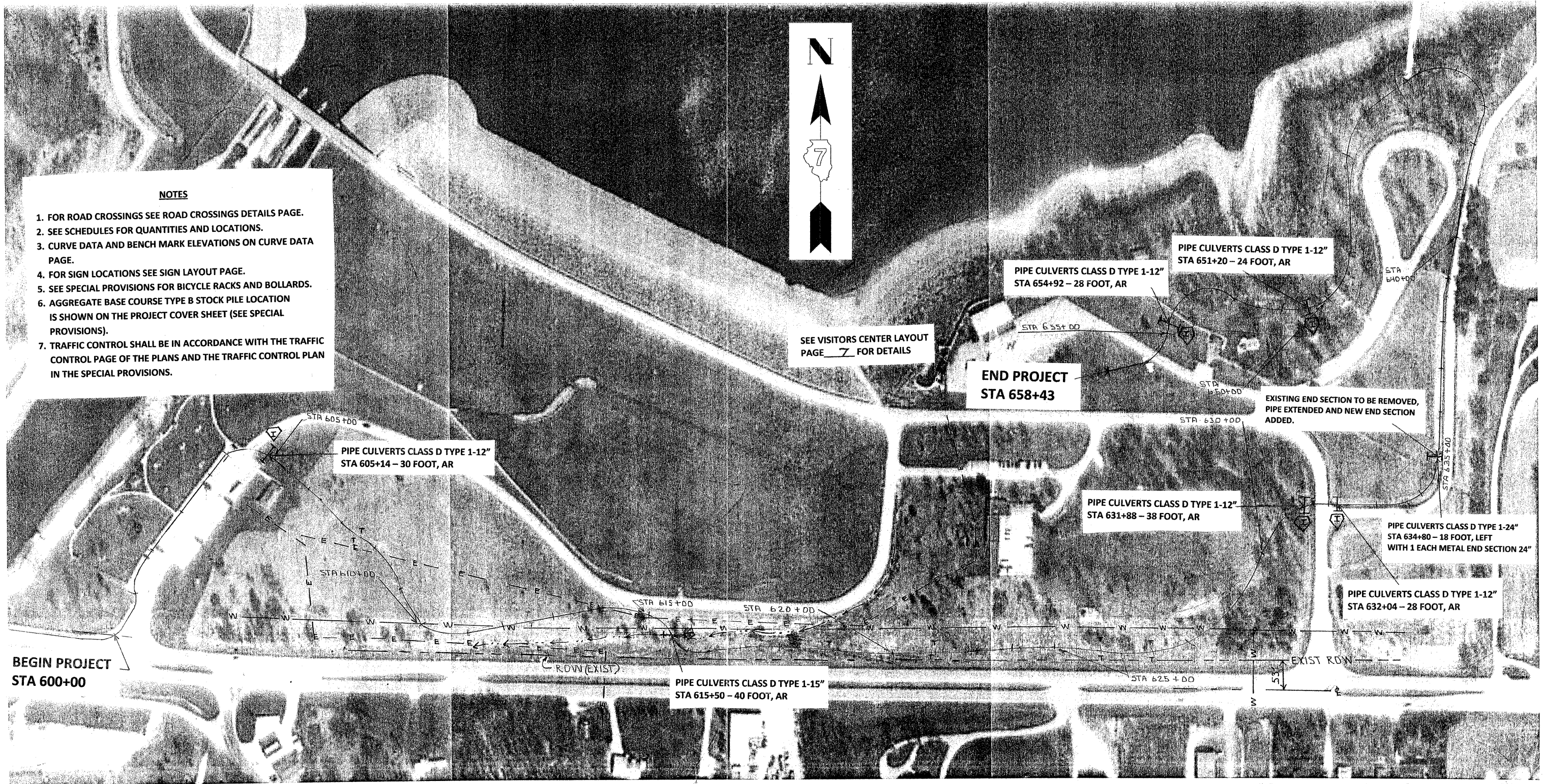
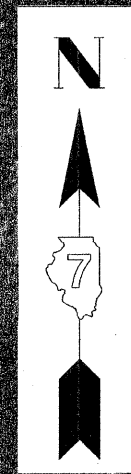


WOODEN SIGN POST 4" X 4"
10 FOOT POST = 8 EACH
12 FOOT POST = 4 EACH

| | | | |
|--------------------|---------------------|---------------|--------------------------|
| SIGN LOCATION PAGE | | | |
| SCALE: N/A | APPROVED BY: SAS | DRAWN BY: CRS | REVIEWED: KPP |
| DATE: 06-25-11 | GENERAL DACEY TRAIL | | DRAWING NUMBER: 06-5L-01 |
| TRAIL #6 | | | |

NOTES

1. FOR ROAD CROSSINGS SEE ROAD CROSSINGS DETAILS PAGE.
2. SEE SCHEDULES FOR QUANTITIES AND LOCATIONS.
3. CURVE DATA AND BENCH MARK ELEVATIONS ON CURVE DATA PAGE.
4. FOR SIGN LOCATIONS SEE SIGN LAYOUT PAGE.
5. SEE SPECIAL PROVISIONS FOR BICYCLE RACKS AND BOLLARDS.
6. AGGREGATE BASE COURSE TYPE B STOCK PILE LOCATION IS SHOWN ON THE PROJECT COVER SHEET (SEE SPECIAL PROVISIONS).
7. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE TRAFFIC CONTROL PAGE OF THE PLANS AND THE TRAFFIC CONTROL PLAN IN THE SPECIAL PROVISIONS.



| | | | |
|-------------------------------|------------------|---------------|--------------|
| GENERAL DACEY TRAIL PHASE 6 | | | |
| SCALE: N/A | APPROVED BY: SAS | DRAWN BY: CRS | REVISOR: KPP |
| PIPE CULVERT AND EROSION PAGE | | | |
| DRAWING NUMBER | | | |

PIPE CULVERTS CLASS D, TYPE 1 12"

| STA | O/S | LENGTH | INLET PIPE PROTECTION |
|--------|--------------|-----------------|-----------------------|
| 605+14 | A.R. | 30 FOOT | 1.0 EACH |
| 631+88 | A.R. | 38 FOOT | 1.0 EACH |
| 632+04 | A.R. | 28 FOOT | 1.0 EACH |
| 651+20 | A.R. | 24 FOOT | 1.0 EACH |
| 654+92 | A.R. | 28 FOOT | 1.0 EACH |
| | TOTAL | 148 FOOT | 5.0 EACH |

PIPE CULVERTS CLASS D, TYPE 1 15"

| STA | O/S | LENGTH | INLET PIPE PROTECTION |
|--------|--------------|----------------|-----------------------|
| 615+50 | A.R. | 40 FOOT | 1.0 EACH |
| | TOTAL | 40 FOOT | 1.0 EACH |

PIPE CULVERTS CLASS D, TYPE 1 24"

| STA | O/S | LENGTH |
|--------|--------------|----------------|
| 634+80 | LEFT | 18 FOOT |
| | TOTAL | 18 FOOT |

METAL END SECTIONS

| STA | O/S | QUANTITY | SIZE |
|--------|------|----------|------|
| 634+00 | LEFT | 1.0 EACH | 24" |

TEMPORARY DITCH CHECKS

| STA | O/S | LENGTH |
|--------|--------------|--------------|
| 607+50 | LT | 6 FT |
| 607+50 | RT | 6 FT |
| 612+50 | LT | 8 FT |
| 612+50 | RT | 8 FT |
| 621+00 | LT | 8 FT |
| 621+00 | RT | 8 FT |
| 626+00 | LT | 8 FT |
| 626+00 | RT | 8 FT |
| 627+00 | LT | 8 FT |
| 627+00 | LT | 8 FT |
| | TOTAL | 76 FT |

EARTH WORK SCHEDULE

| STA TO STA | LOCATION | EARTH EXCAVATION | EARTH EXCAVATION (ADJUSTED FOR SHRINKAGE) | EMBANKMENT | EARTH WORK BALANCE WASTE (+) OR SHORTAGE (-) |
|------------------|---------------|------------------|---|-------------|--|
| 600+00 TO 658+43 | MAINLINE | 3861 | 2896 | 1946 | (+) 950 |
| | TOTALS | 3861 | 2896 | 1946 | (+) 950 |

ALL QUANTITIES IN CUBIC YARDS

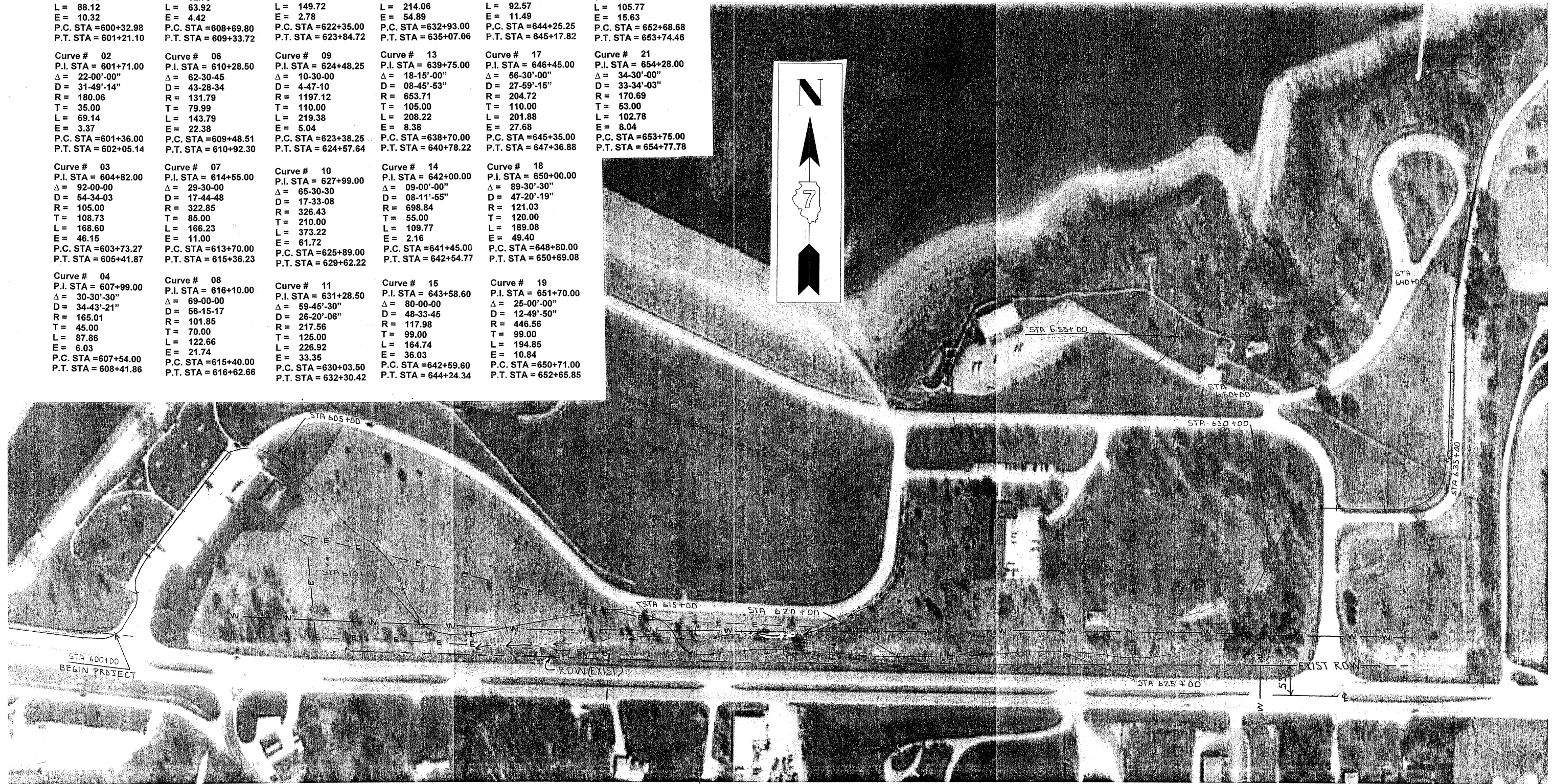
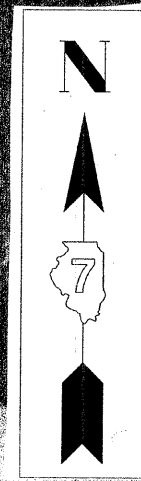
SCHEDULES

| | | |
|--------------|------------------|---------------|
| SCALE: N/A | APPROVED BY: SAS | DRAWN BY: CRS |
| DATE: 2/4/12 | REVISED: KPP | |

GENERAL DACEY TRAIL

DRAWING NUMBER

| | | | | | |
|--|--|---|---|---|---|
| Curve # 01 P.I. STA = 600+80.00 Δ = 49-30'-00" D = 56-10-20 R = 102.00 T = 47.02 L = 88.12 E = 10.32 P.C. STA = 600+32.98 P.T. STA = 601+21.10 | Curve # 05 P.I. STA = 609+02.55 Δ = 30-45'-00" D = 48-06'-25" R = 119.10 T = 32.75 L = 63.92 E = 4.42 P.C. STA = 608+69.80 P.T. STA = 609+33.72 | Curve # 08A P.I. STA = 618+10 Δ = 8-30-15 D = 5-40-48 R = 1008.75 T = 75.00 L = 149.72 E = 2.78 P.C. STA = 622+35.00 P.T. STA = 623+84.72 | Curve # 12 P.I. STA = 634+28.00 Δ = 88-30'-00" D = 41-20'-40" R = 138.58 T = 135.00 L = 214.06 E = 54.89 P.C. STA = 632+93.00 P.T. STA = 635+07.06 | Curve # 16 P.I. STA = 644+75.00 Δ = 52-00-00 D = 56-10-20 R = 102.00 T = 49.75 L = 92.57 E = 11.49 P.C. STA = 644+25.25 P.T. STA = 645+17.82 | Curve # 20 P.I. STA = 653+27.00 Δ = 66-00-15 D = 56-43-43 R = 101.00 T = 58.32 L = 105.77 E = 15.63 P.C. STA = 652+68.68 P.T. STA = 653+74.46 |
| Curve # 02 P.I. STA = 601+71.00 Δ = 22-00'-00" D = 31-49'-14" R = 180.06 T = 35.00 L = 69.14 E = 3.37 P.C. STA = 601+36.00 P.T. STA = 602+05.14 | Curve # 06 P.I. STA = 610+28.50 Δ = 62-30-45 D = 43-28-34 R = 131.79 T = 79.99 L = 143.79 E = 22.38 P.C. STA = 609+48.51 P.T. STA = 610+92.30 | Curve # 09 P.I. STA = 624+48.25 Δ = 10-30-00 D = 4-47-10 R = 1197.12 T = 110.00 L = 219.38 E = 5.04 P.C. STA = 623+38.25 P.T. STA = 624+57.64 | Curve # 13 P.I. STA = 639+75.00 Δ = 18-15'-00" D = 08-45'-53" R = 653.71 T = 105.00 L = 208.22 E = 8.38 P.C. STA = 638+70.00 P.T. STA = 640+78.22 | Curve # 17 P.I. STA = 646+45.00 Δ = 56-30'-00" D = 27-59'-15" R = 204.72 T = 110.00 L = 201.88 E = 27.68 P.C. STA = 645+35.00 P.T. STA = 647+36.88 | Curve # 21 P.I. STA = 654+28.00 Δ = 34-30'-00" D = 33-34'-03" R = 170.69 T = 53.00 L = 102.78 E = 8.04 P.C. STA = 653+75.00 P.T. STA = 654+77.78 |
| Curve # 03 P.I. STA = 604+82.00 Δ = 92-00-00 D = 54-34-03 R = 105.00 T = 108.73 L = 168.60 E = 46.15 P.C. STA = 603+73.27 P.T. STA = 605+41.87 | Curve # 07 P.I. STA = 614+55.00 Δ = 29-30-00 D = 17-44-48 R = 322.85 T = 85.00 L = 166.23 E = 11.00 P.C. STA = 613+70.00 P.T. STA = 615+36.23 | Curve # 10 P.I. STA = 627+99.00 Δ = 65-30-30 D = 17-33-08 R = 326.43 T = 210.00 L = 373.22 E = 61.72 P.C. STA = 625+89.00 P.T. STA = 629+62.22 | Curve # 14 P.I. STA = 642+00.00 Δ = 09-00'-00" D = 08-11'-55" R = 698.84 T = 55.00 L = 109.77 E = 2.16 P.C. STA = 641+45.00 P.T. STA = 642+54.77 | Curve # 18 P.I. STA = 650+00.00 Δ = 89-30'-30" D = 47-20'-19" R = 121.03 T = 120.00 L = 189.08 E = 49.40 P.C. STA = 648+80.00 P.T. STA = 650+69.08 | |
| Curve # 04 P.I. STA = 607+99.00 Δ = 30-30'-30" D = 34-43'-21" R = 165.01 T = 45.00 L = 87.86 E = 6.03 P.C. STA = 607+54.00 P.T. STA = 608+41.86 | Curve # 08 P.I. STA = 616+10.00 Δ = 69-00-00 D = 56-15-17 R = 101.85 T = 70.00 L = 122.66 E = 21.74 P.C. STA = 615+40.00 P.T. STA = 616+62.66 | Curve # 11 P.I. STA = 631+28.50 Δ = 59-45'-30" D = 26-20'-06" R = 217.56 T = 125.00 L = 226.92 E = 33.35 P.C. STA = 630+03.50 P.T. STA = 632+30.42 | Curve # 15 P.I. STA = 643+58.60 Δ = 80-00-00 D = 48-33-45 R = 117.98 T = 99.00 L = 164.74 E = 36.03 P.C. STA = 642+59.60 P.T. STA = 644+24.34 | Curve # 19 P.I. STA = 651+70.00 Δ = 25-00'-00" D = 12-49'-50" R = 446.56 T = 99.00 L = 194.85 E = 10.84 P.C. STA = 650+71.00 P.T. STA = 652+65.85 | |

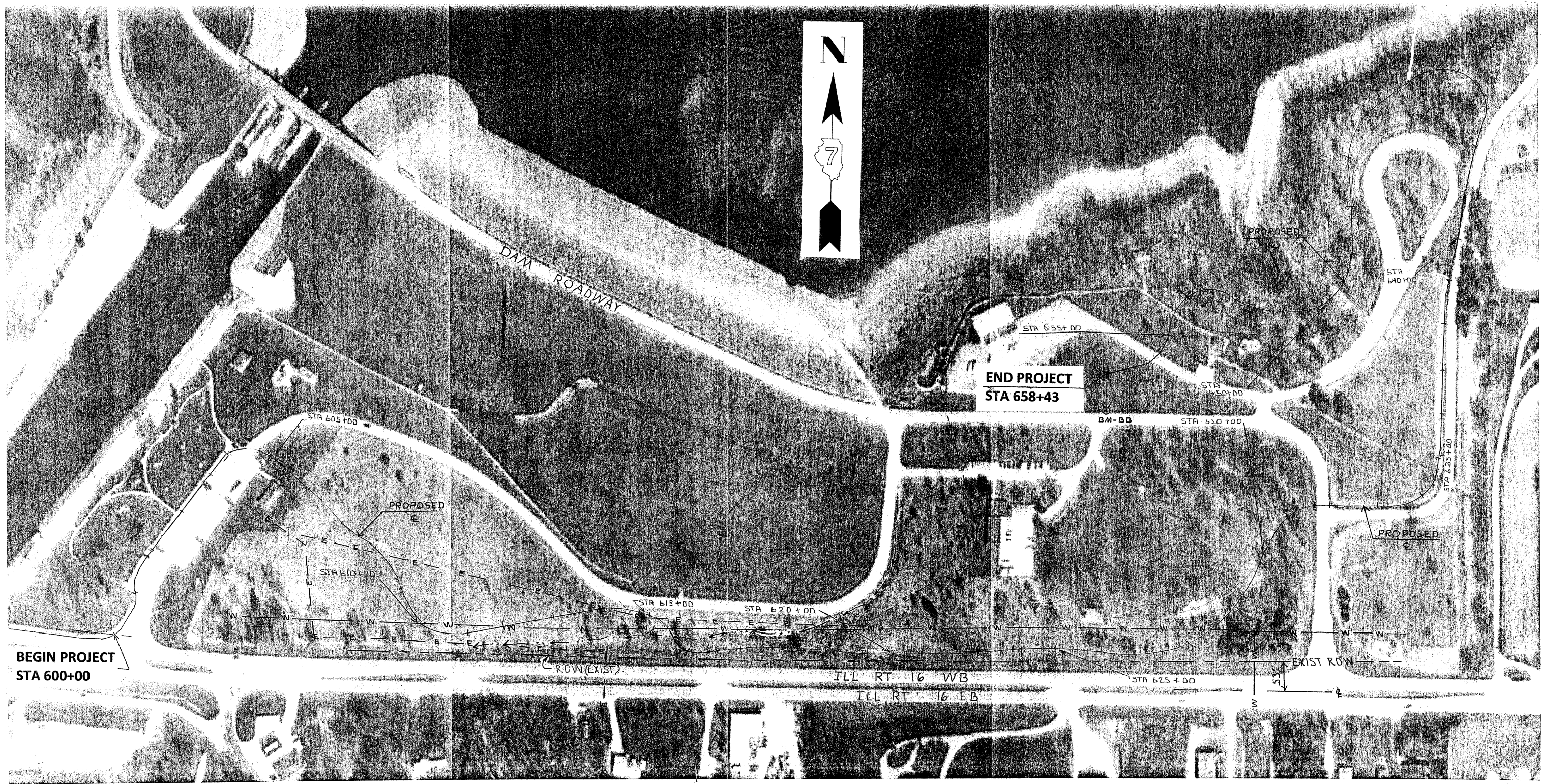


BENCH MARKS

B.M. #BB - "M" IN MUELLER ON FIRE HYDRANT SOUTH OF VISITORS CENTER BY THE ROAD, STA 658+43 3 FT.
 LT. ELEV. = 652.68

GENERAL DACEY TRAIL PHASE 6

| | | |
|-----------------|--------------|-----------------|
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| DATE: | | REVISED: |
| CURVE DATA PAGE | | DRAWING NUMBER: |

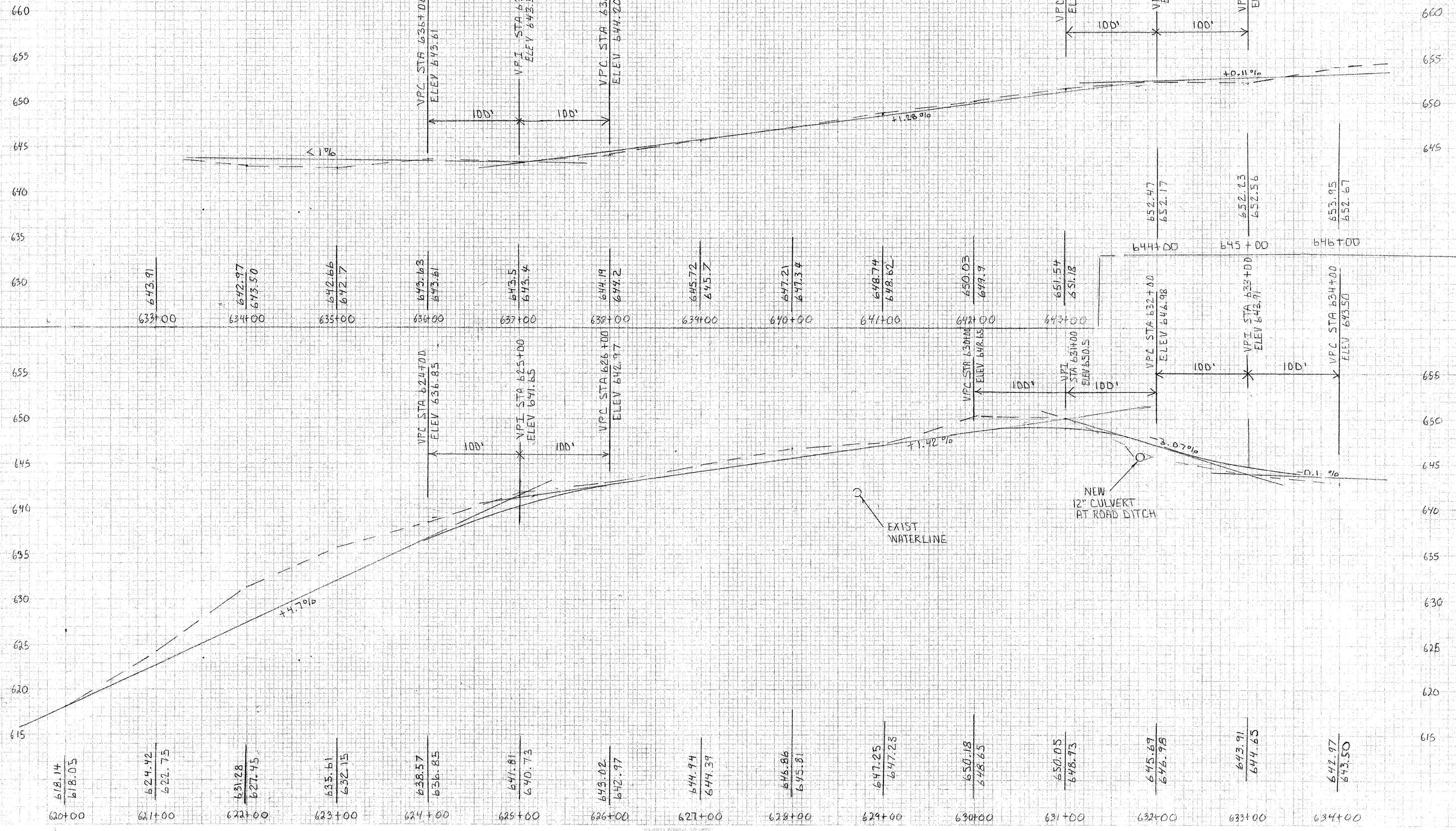


BENCH MARKS

B.M. #BB - "M" IN MUELLER ON FIRE HYDRANT SOUTH
OF VISITORS CENTER BY THE ROAD, STA 658+43 3 FT.
LT. ELEV. = 652.68

| | | | |
|-----------------------------|------------------|---------------|---------------|
| GENERAL DACEY TRAIL PHASE 6 | | | |
| SCALE: N/A | APPROVED BY: SAS | DRAWN BY: CRS | REVISION: KPP |
| PLAN VIEW PAGE | | | |
| DRAWING NUMBER | | | |

CONTRACT # 95674
 SHELBY COUNTY
 CITY OF SHELBYVILLE
 SECTION # 10-00051-00-B7
 SHEET 15 OF 31 SHEETS
 STA 620+00 TO STA 646+00

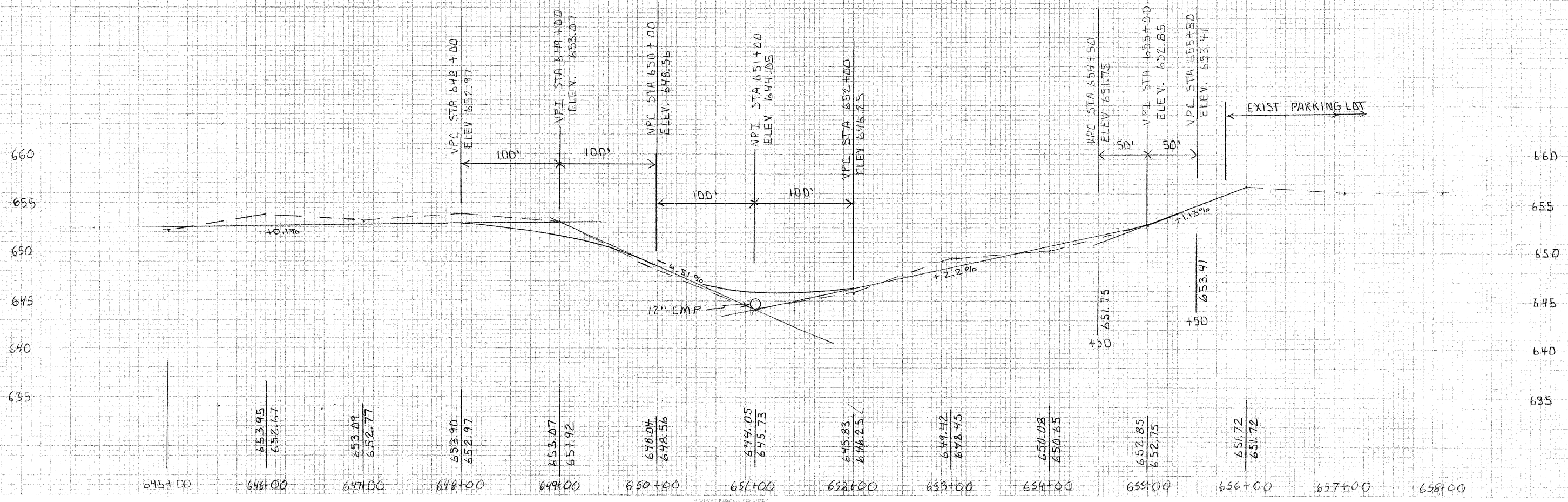


DATE: 10/20/10
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 PROJECT: [Name]

SCALE: 1" = 40'
 ELEVATION: 1" = 4'

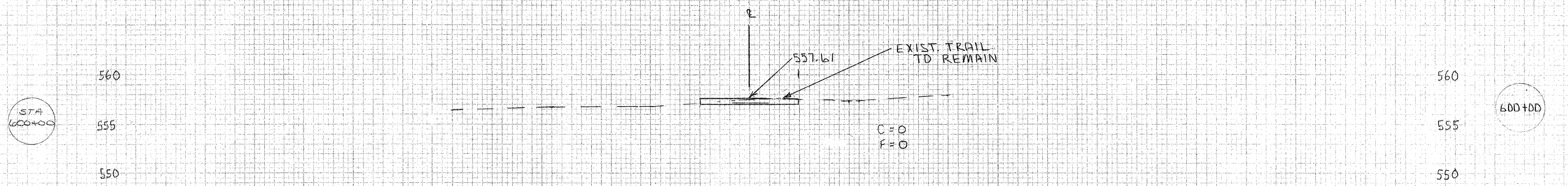
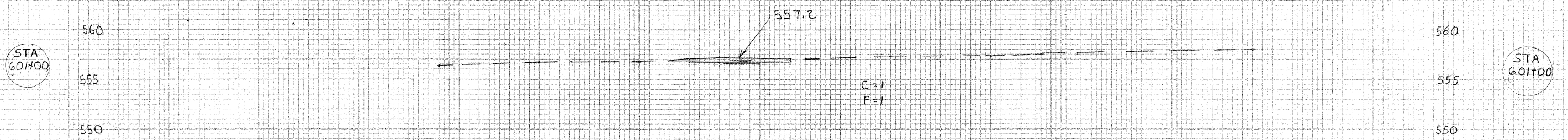
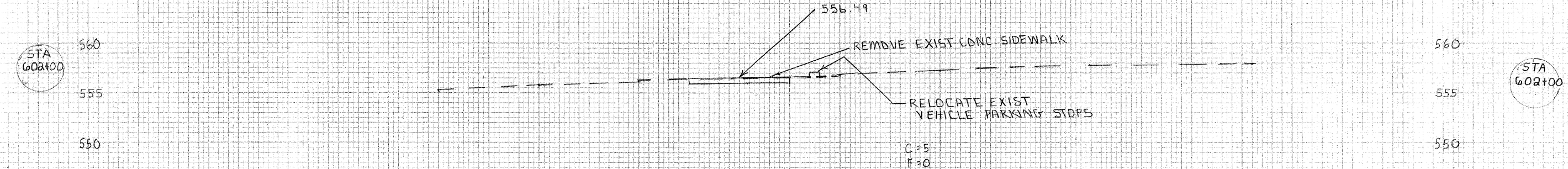
PLANNED
 SURVEY
 DATE: 10/15/10
 BY: [Signature]

SURVEY
 DATE: 10/15/10
 BY: [Signature]



CONTRACT # 95674
 SHELBY COUNTY
 CITY OF SHELBYVILLE
 SECTION # 10-00061-00-07
 SHEET 17 OF 31 SHEETS
 STA 600+00 TO 602+00

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60

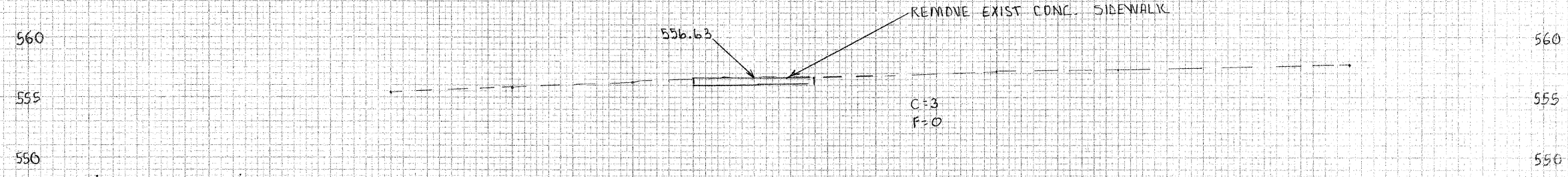


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85 80 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60

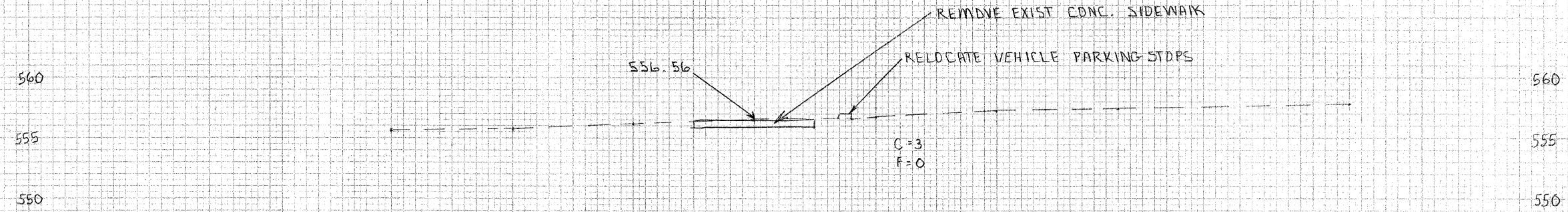
CONTRACT # 95674
SHELBY COUNTY
CITY OF SHELBYVILLE
SECTION # 10-00051-00-BT
SHEET 18 OF 31 SHEETS
STA 603+00 TO STA 604+60

STA
604+60



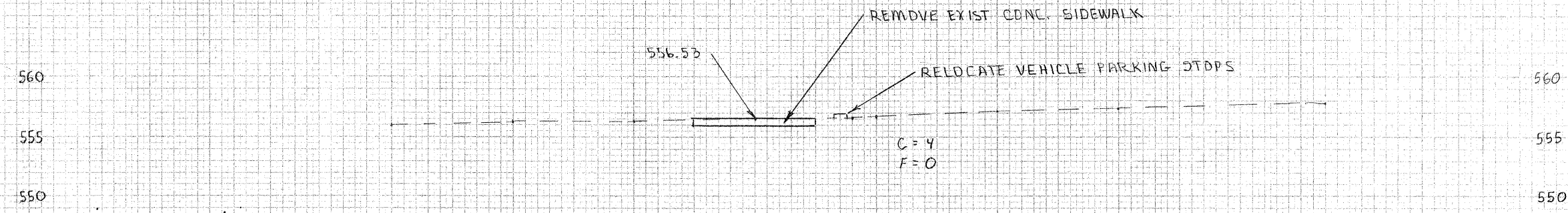
STA
604+60

STA
604+00



STA
604+00

STA
603+00



STA
603+00

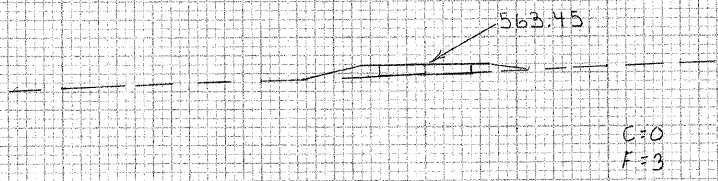
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CONTRACT # 95674
 SHELBY COUNTY
 CITY OF SHELBYVILLE
 SECTION #10-00051-00-BY
 SHEET 19 OF 31 SHEETS
 STA 605+00 TO 608+00

40 30 20 10 0 10 20 30 40

608+00

565
560
555

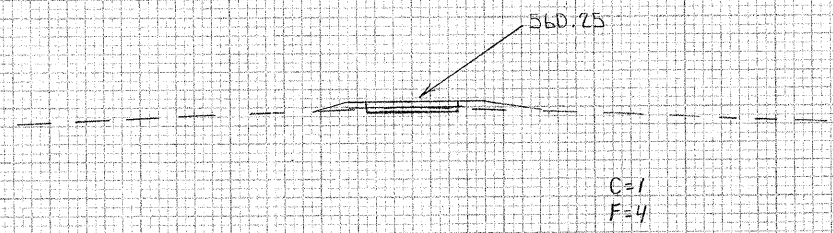


565
560
555

608+00

607+00

565
560
555

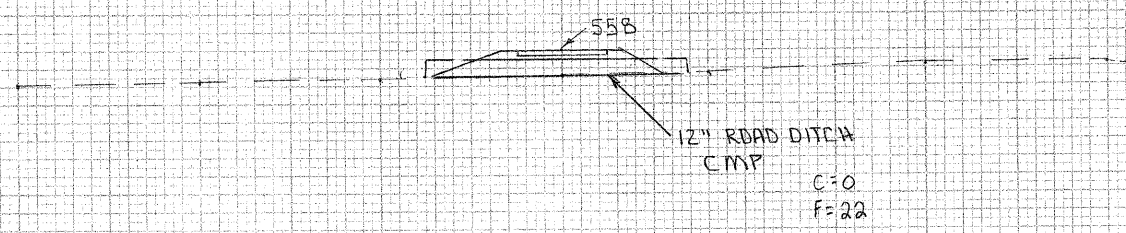


565
560
555

607+00

606+00

560
555
550

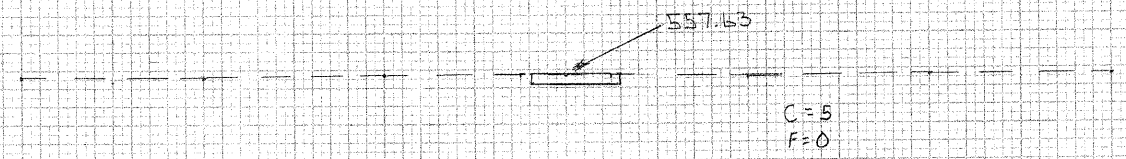


560
555
550

606+00

605+00

560
555
550



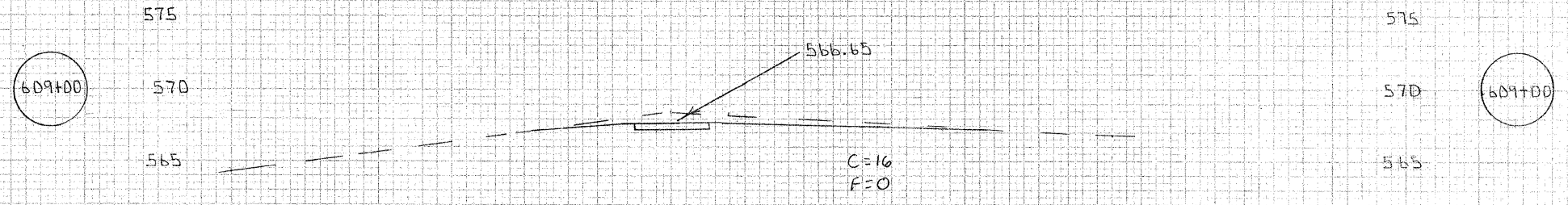
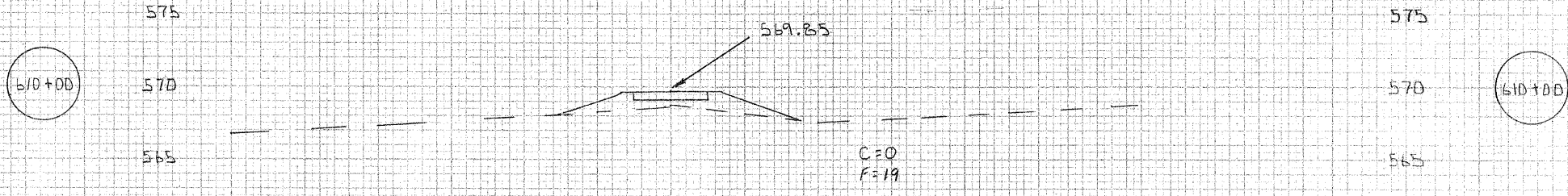
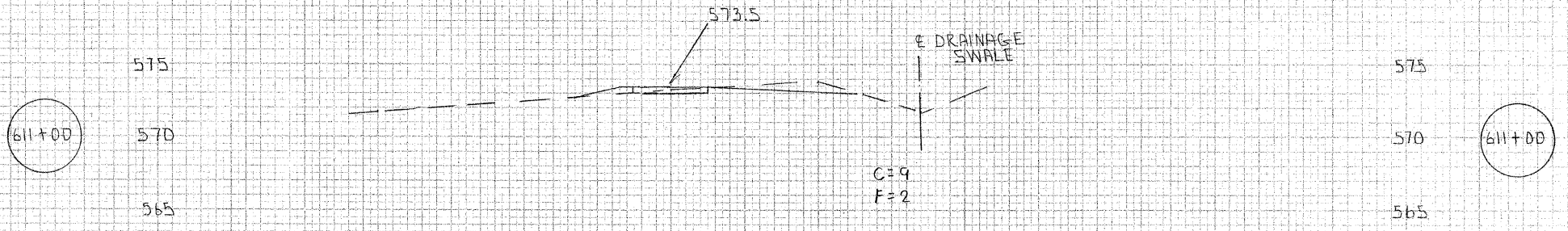
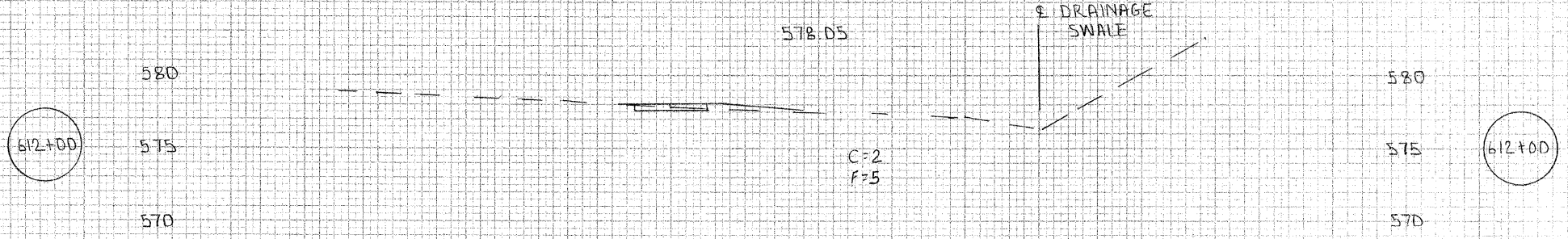
560
555
550

605+00

40 30 20 10 0 10 20 30 40

CONTRACT # 95674
 SHELBY COUNTY
 CITY OF SHELBYVILLE
 SECTION # 16-00051-00-BT
 SHEET 20 OF 31 SHEETS
 STA 609+00 TO 612+00

100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100



100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

MAKE SURE TO CHECK ALL DIMENSIONS AND ELEVATIONS
 BEFORE CONSTRUCTION

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

CONTRACT # 95674
SHELBY COUNTY
CITY OF SHELBYVILLE
SECTION # 10-00051-00-BT
SHEET 21 OF 31 SHEETS
STA 613+00 TO 616+00

616+00

615+00

614+00

613+00

616+00

615+00

614+00

613+00

600
595
590
595
590
585
595
590
585
590
585
580

600
595
590
585
595
590
585
590
585
580

598.05

593.05

588.05

583.05

C=0
F=65

C=0
F=47

C=31
F=0

C=0
F=4

NOTE:

15" PIPE CULVERT AT STA 615+50
40' LONG

11 RT. 16 ROW

11 RT. 16 CURB

E ROAD

EDP

E ROAD

EDP

ROAD SHOULDER

NEW BIKE RAIL - 50 FT LONG

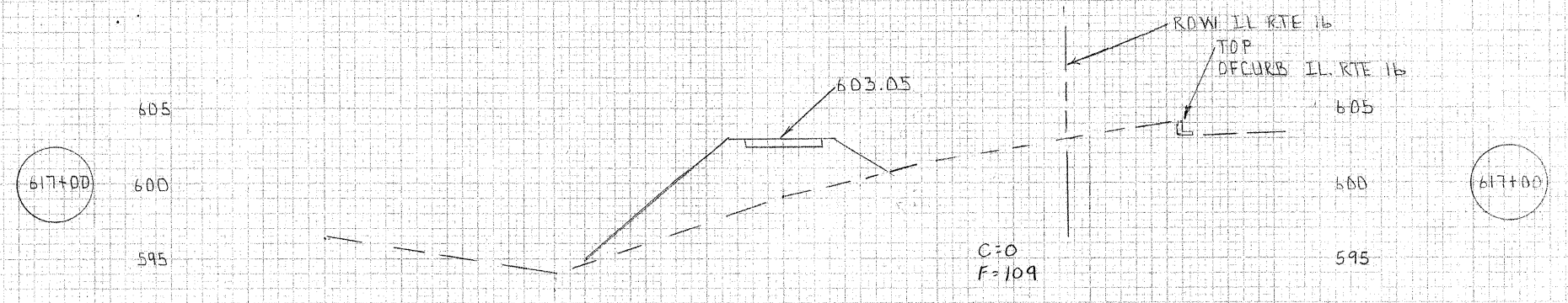
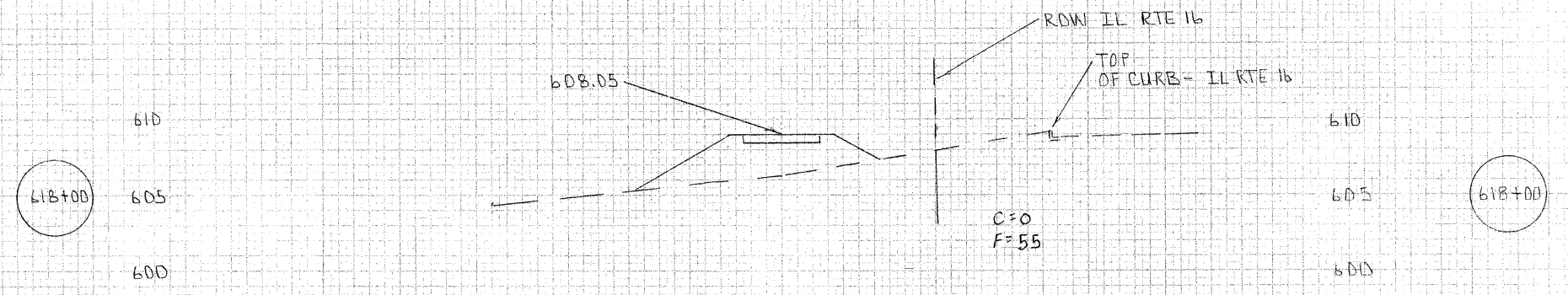
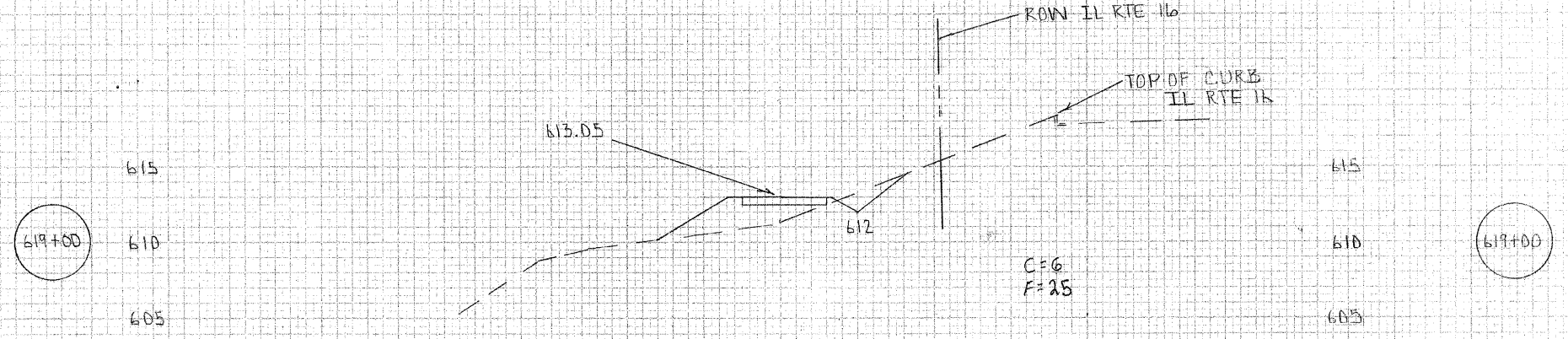
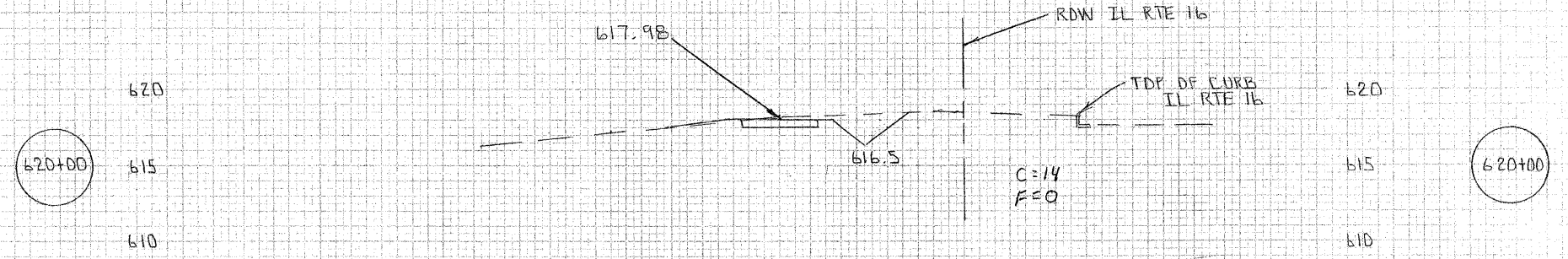
587

PROFESSIONAL SURVEYOR
SHELBY COUNTY
REGISTERED PROFESSIONAL SURVEYOR
NO. 10000

PROFESSIONAL SURVEYOR
SHELBY COUNTY
REGISTERED PROFESSIONAL SURVEYOR
NO. 10000

CONTRACT # 95674
 SHELBY COUNTY
 CITY OF SHELBYVILLE
 SECTION # 10-00051-00-BT
 SHEET 22 OF 31 SHEETS
 STA 617+00 TO 620+00

100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100



100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

APPROXIMATE
 SURVEY
 DATA
 FOR
 THIS
 SHEET

APPROXIMATE
 SURVEY
 DATA
 FOR
 THIS
 SHEET

PROJ. AT: 10/10/01
 DATE: 10/10/01
 SHEET: 22 OF 31

100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

PROJECT: SHELBYVILLE
 SURVEY: 10-00031-00-BT
 DATE: 10/20/10
 DRAWN BY: [Name]
 CHECKED BY: [Name]

PROJECT: SHELBYVILLE
 SURVEY: 10-00031-00-BT
 DATE: 10/20/10
 DRAWN BY: [Name]
 CHECKED BY: [Name]

624+00

624+00

623+00

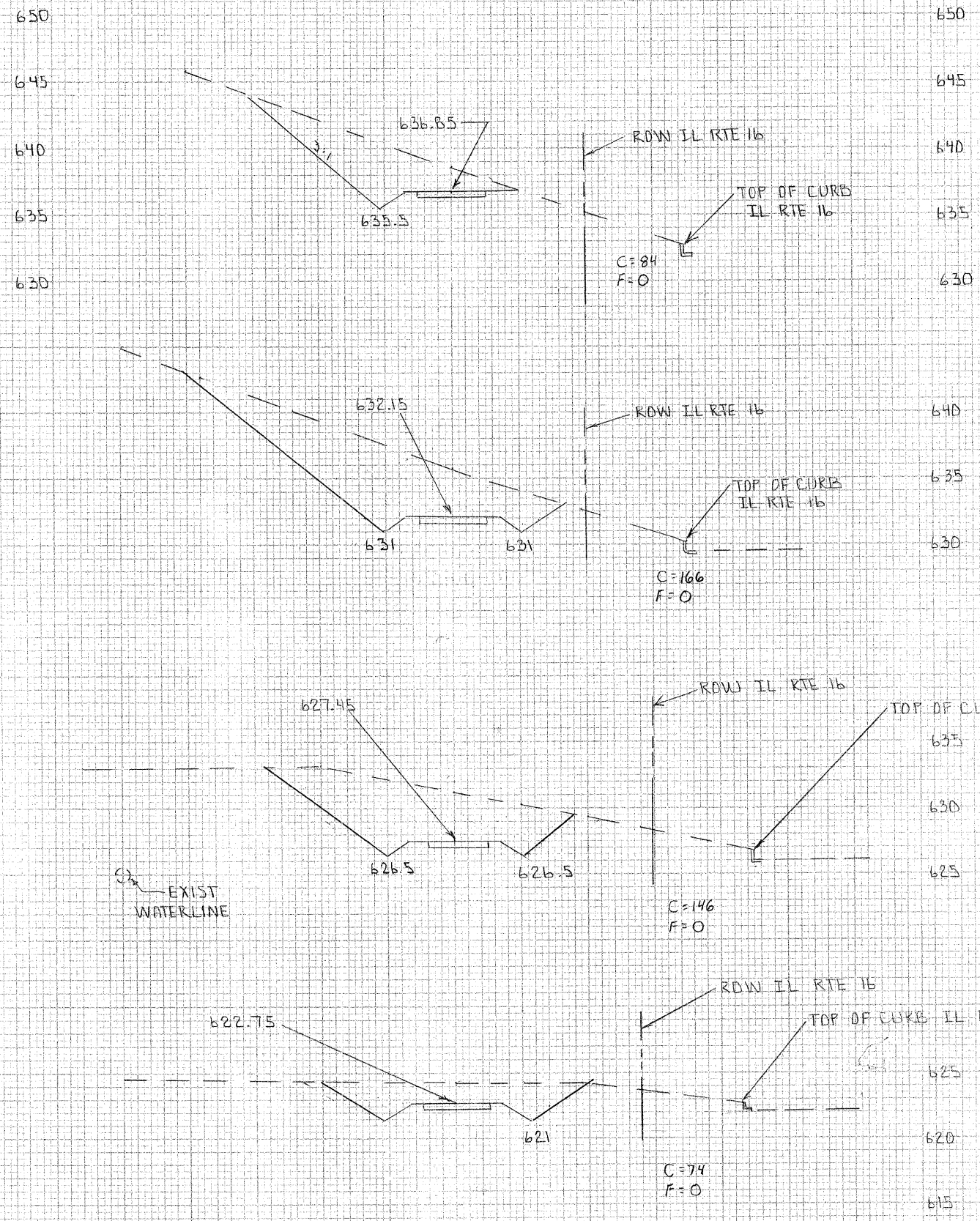
623+00

622+00

622+00

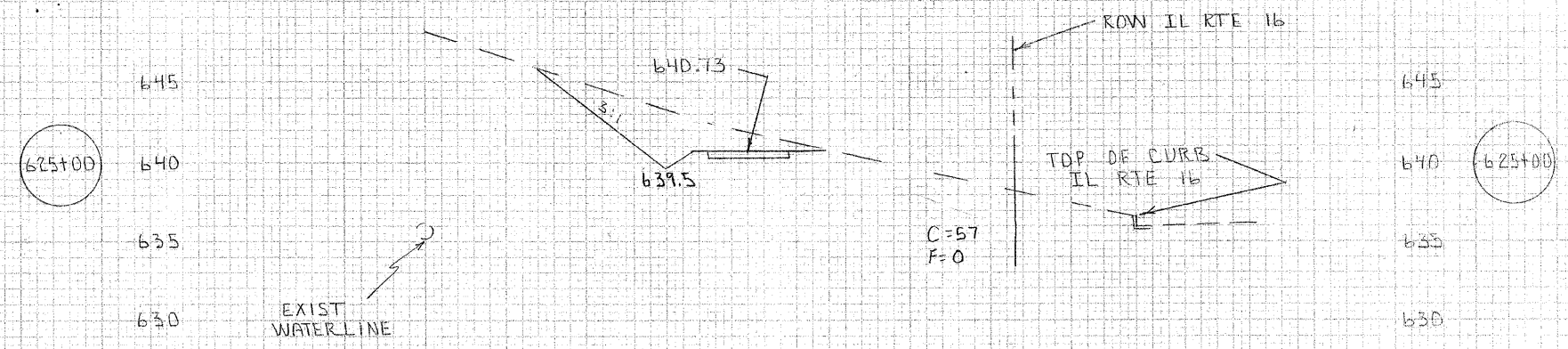
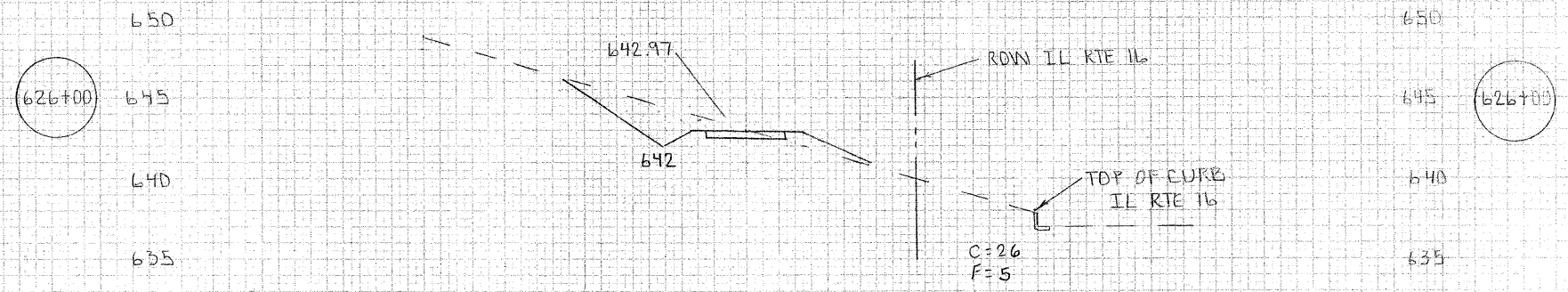
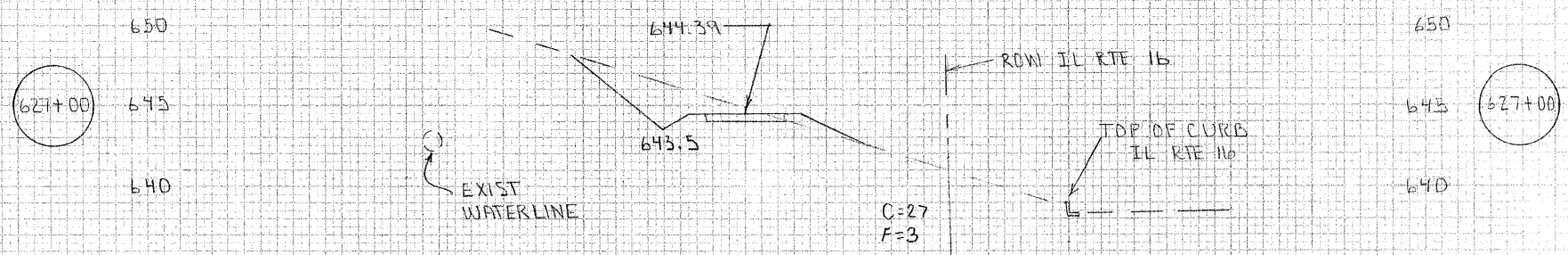
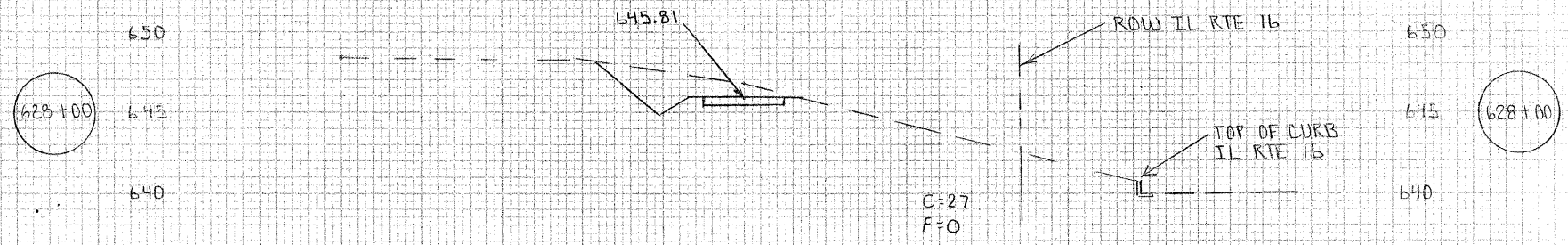
621+00

621+00



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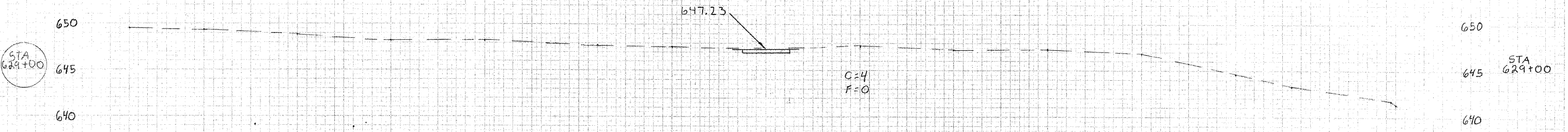
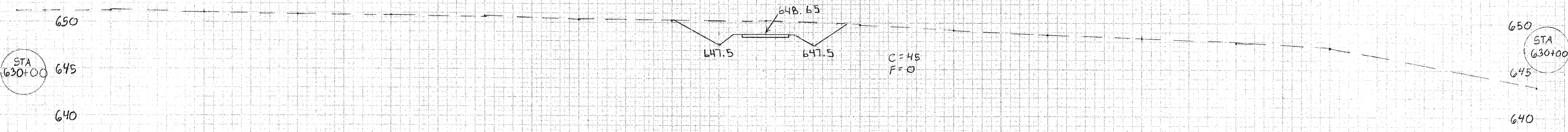
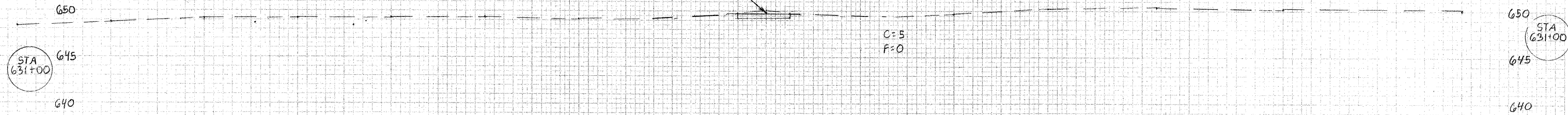
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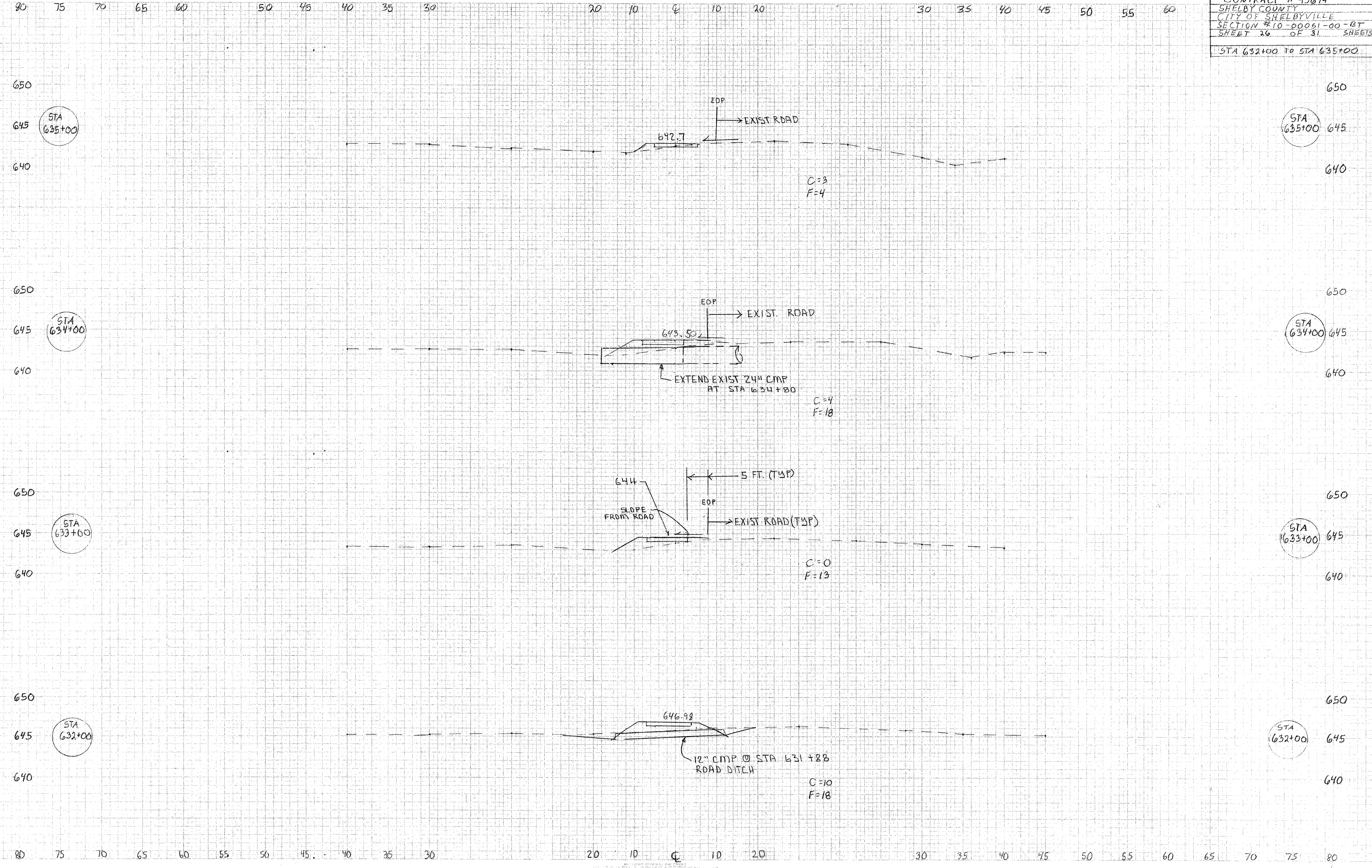
CONTRACT # 95674
 SHELBY COUNTY
 CITY OF SHELBYVILLE
 SECTION # 10-00031-00-BT
 SHEET 25 OF 31 SHEETS
 STA 629+00 TO STA 631+00

160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

CONTRACT # 95074
 SHELBY COUNTY
 CITY OF SHELBYVILLE
 SECTION # 10-00051-00-BT
 SHEET 26 OF 31 SHEETS
 STA 632+00 TO STA 635+00

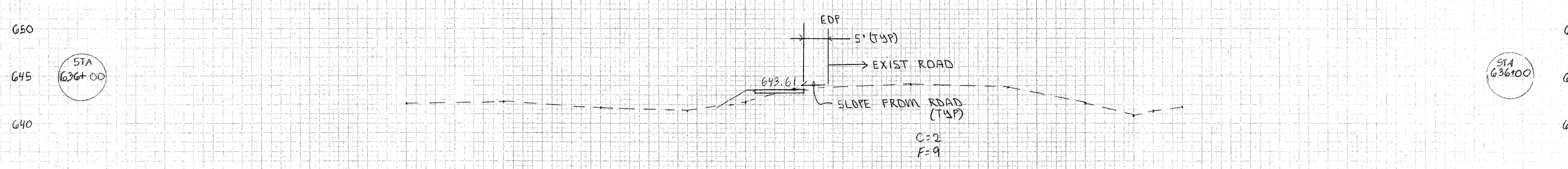
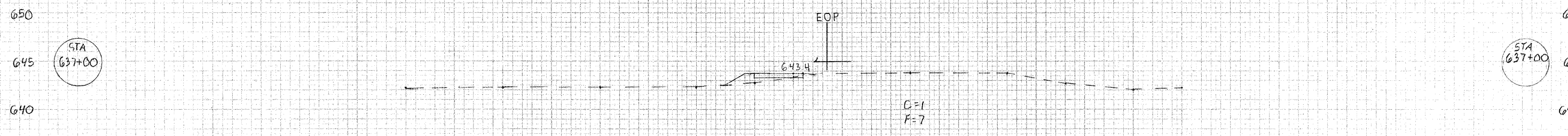
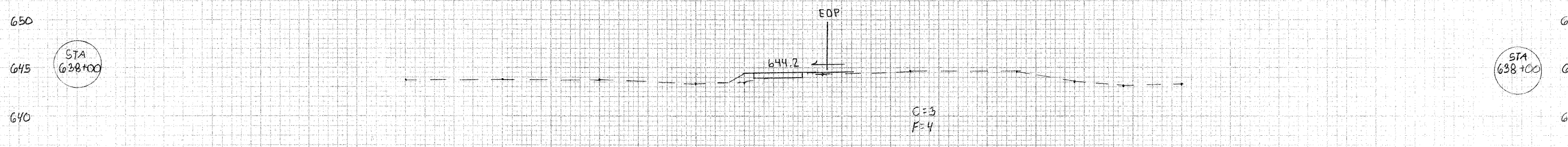
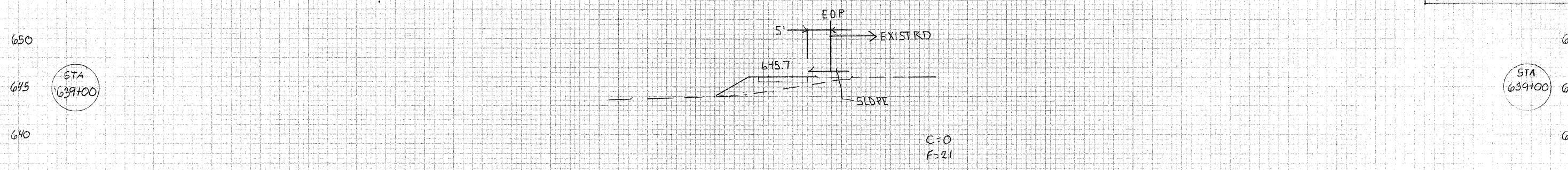


Vertical Curve Data Table:

| Station | Elevation | Curve Type | Notes |
|---------|-----------|----------------|------------|
| 635+00 | 642.7 | Vertical Curve | C=3, F=4 |
| 634+00 | 643.50 | Vertical Curve | C=4, F=18 |
| 633+00 | 644 | Vertical Curve | C=0, F=13 |
| 632+00 | 646.98 | Vertical Curve | C=10, F=18 |

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 STA 636+00 TO STA 639+00

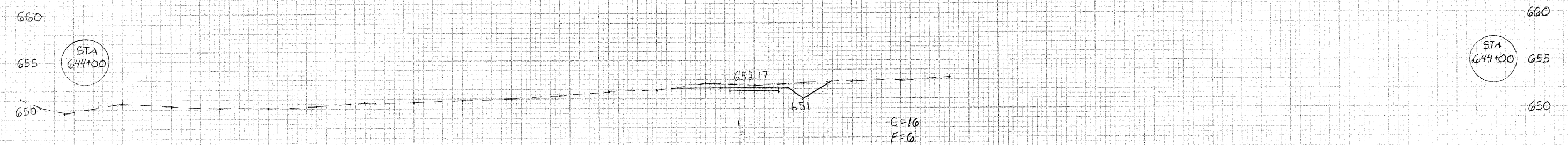
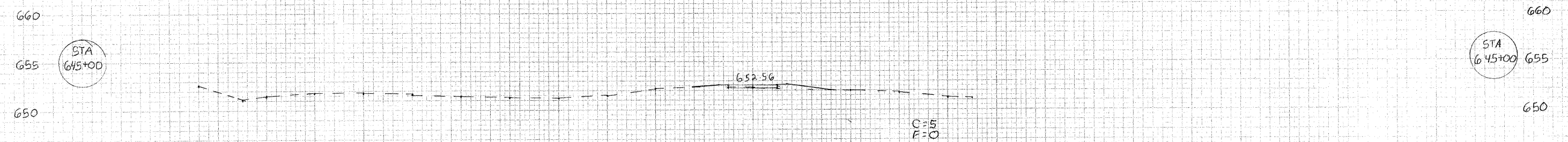
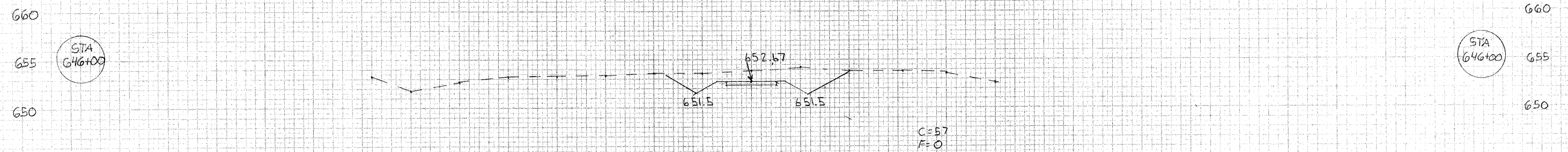
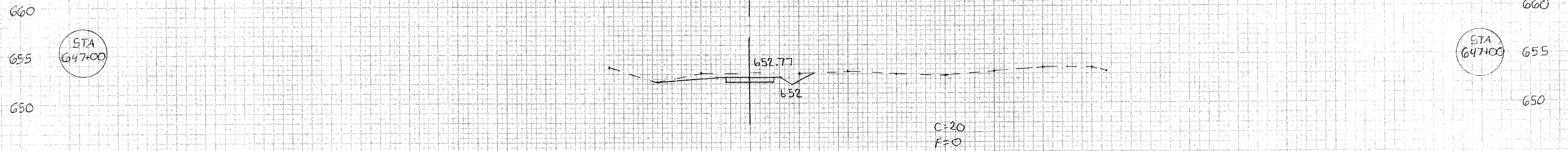
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80 75 70 65 60 55 50 45 40 35 30 20 10 0 10 20 30 35 40 45 50 55 60 65 70 75 80

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 SHEET 29 OF 31 SHEETS
 STA 644+00 TO STA 647+00

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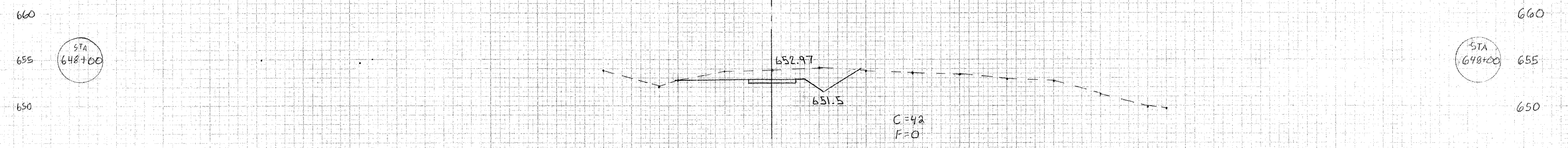
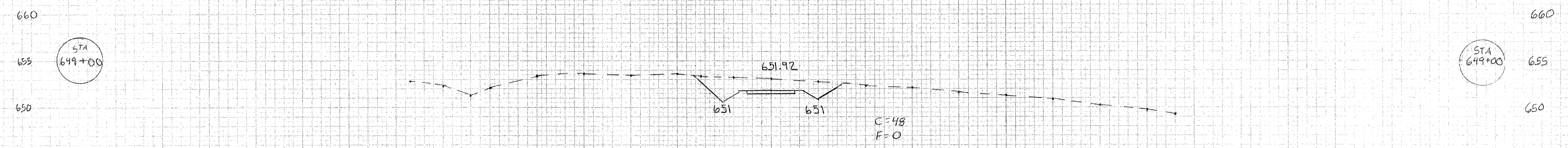
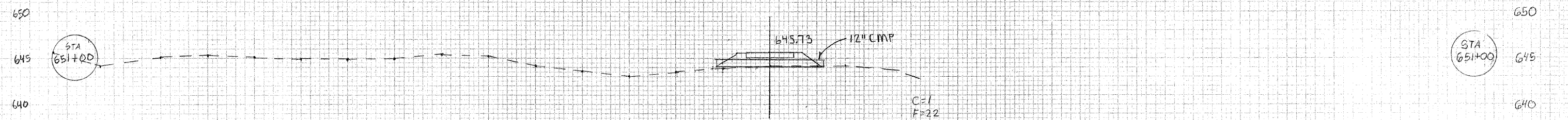


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PROPOSED FULL CROSS SECTION - FULL LINE
 PROPOSED FINISH ELEVATION

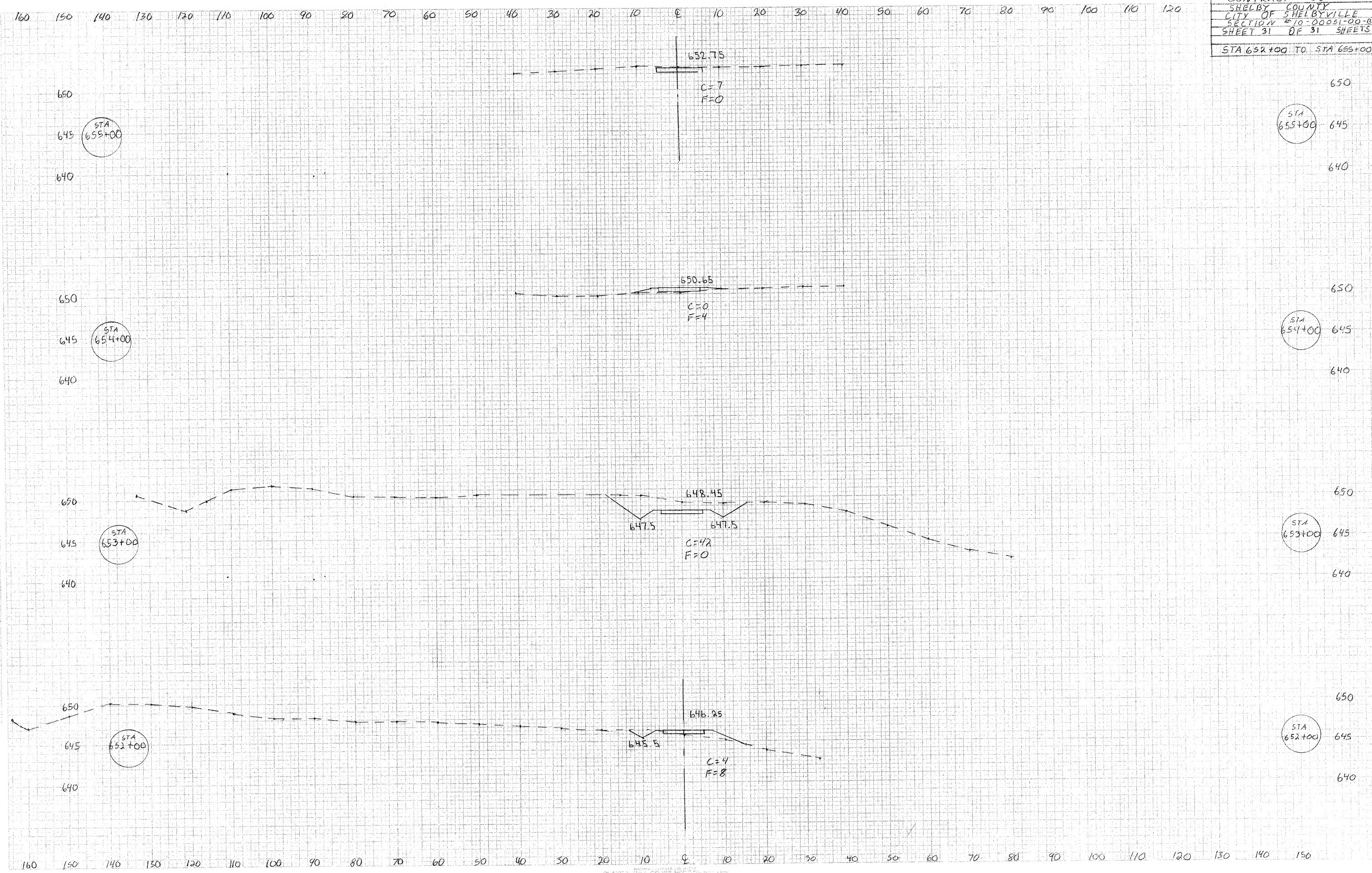
CONTRACT # 95674
 SHELBY COUNTY
 CITY OF SHELBYVILLE
 SECTION # 10-00081-00-BT
 SHEET 30 OF 31 SHEETS
 STA 648+00 TO STA 651+00

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160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

CONTRACT #05674
 SHELBY COUNTY
 CITY OF SHELBYVILLE
 SECTION #10-00051-00-BT
 SHEET 31 OF 31 SHEETS
 STA 652+00 TO STA 655+00



PLANNED
 SURVEY
 NAME
 DATE

PLANNED
 SURVEY
 NAME
 DATE