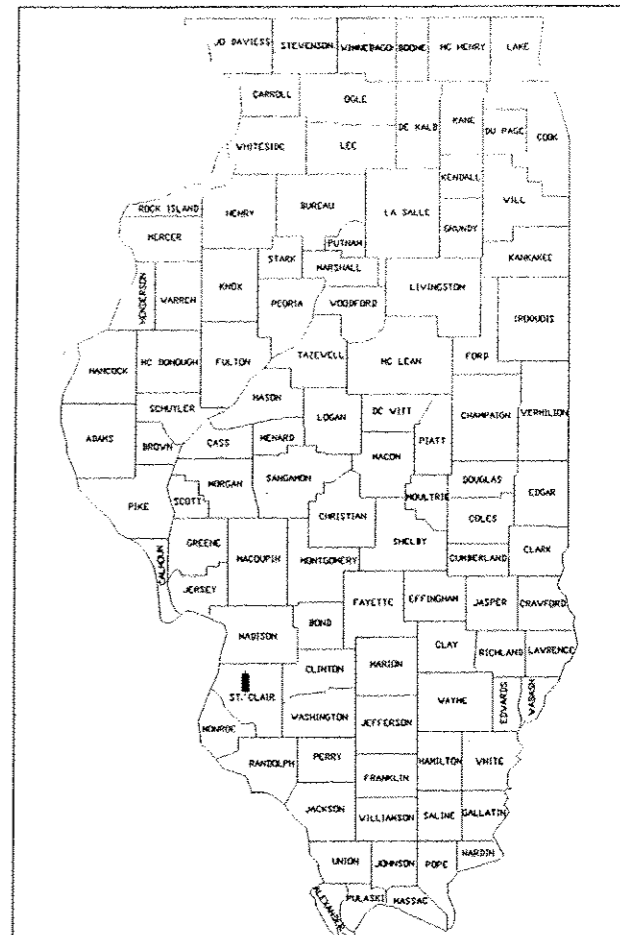


1. COVER SHEET
2. GENERAL NOTES
3. SUMMARY OF QUANTITIES
- 4.-6. SCHEDULE OF QUANTITIES
7. TYPICAL SECTIONS
- 8.-9. ROADWAY PLAN & PROFILE SHEET
10. DETOUR PLANS
- 11.-12. DRAINAGE PLAN & EAST PROFILE
- 13.-14. DRAINAGE PLAN & WEST PROFILE
15. EROSION CONTROL PLAN
16. PAVEMENT MARKING & SIGNAGE PLAN
- 17.-18. INTERSECTION AND MISCELLANEOUS DETAILS
- 19.-24. CROSS SECTIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED FEDERAL AID PROJECT
VILLAGE OF SHILOH
PROPOSED SHILOH STATION ROAD
RECONSTRUCTION - PHASE 1 & 2
FAU ROUTE 9178
SECTION 10-00011-01-PV AND 11-00011-02-PV
PROJECT NO. M-5011(340)
ST. CLAIR COUNTY
JOB NO. C-98-355-11

| FED. AID DISTRICT | IDOT SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|--------------------------------|-----------|--------------|-----------|
| 9178 | 10-00011-01-PV, 11-00011-02-PV | ST. CLAIR | 24 | 1 |
| FEDERAL AID PROJECT | | | ILLINOIS | |
| IDOT JOB NO. C-98-355-11 | | | | |
| IDOT CONTRACT NO. 97495 | | | | |



LOCATION OF SECTION INDICATED THUS: [Symbol]

IDOT STANDARDS (ATTACHED AFTER PLANS)

| | | |
|-----------|-----------|-----------|
| 000001-06 | 604011-04 | 720001-01 |
| 001001-02 | 604036-02 | 720006-03 |
| 001006 | 604086-02 | 720011-01 |
| 280001-07 | 606001-05 | 720016-03 |
| 424001-07 | 701006-04 | 728001-01 |
| 424016-01 | 701011-03 | 731001-01 |
| 424026-01 | 701301-04 | 780001-03 |
| 601001-04 | 701311-03 | 781001-03 |
| 602301-03 | 701501-06 | BLR 22-7 |
| 602401-03 | 701801-05 | |
| 602701-02 | 701901-02 | |

UTILITIES

GAS/ELECTRIC

AMEREN IP
1050 WEST BOULEVARD
P.O. BOX 428
BELLEVILLE, ILLINOIS 62222

WATER

ILLINOIS AMERICAN WATER COMPANY
100 NORTH WATER WORKS DRIVE
P.O. BOX 24040
BELLEVILLE, ILLINOIS 62223

PHONE/CABLE

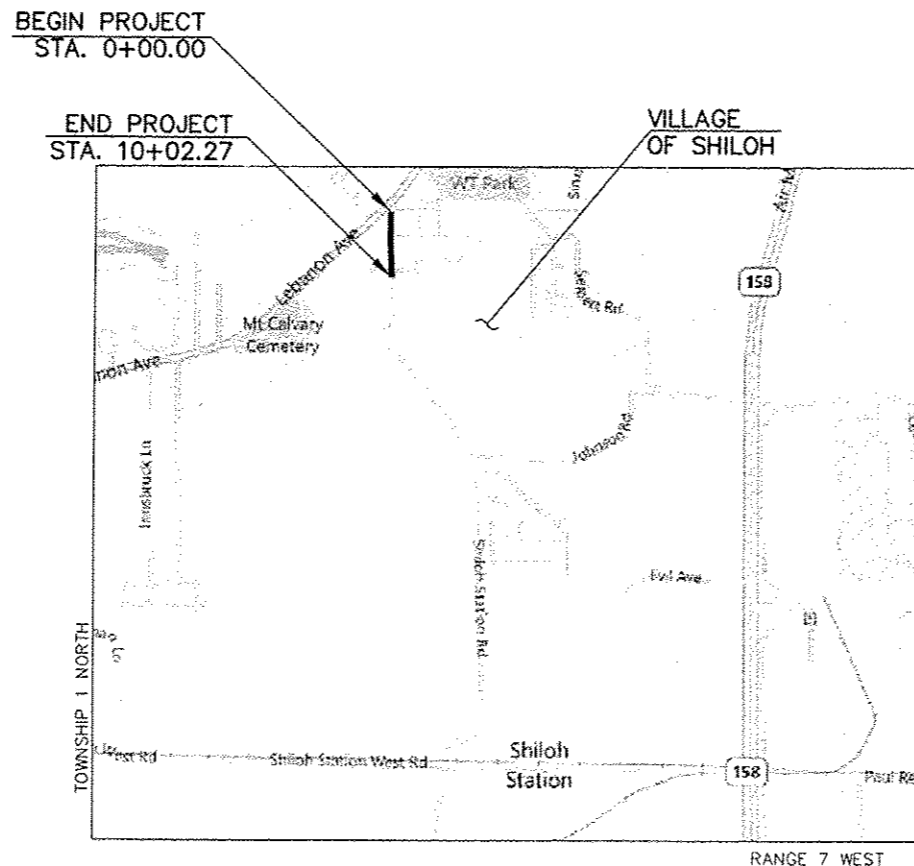
AT&T
203 GOETHE
COLLINSVILLE, ILLINOIS 62234

SANITARY SEWER

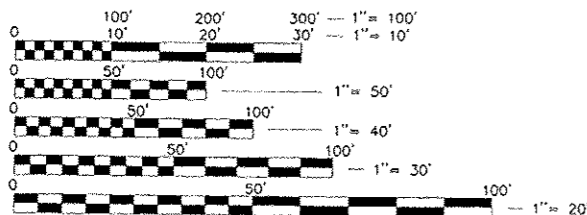
VILLAGE OF SHILOH
#1 PARK DRIVE
SHILOH, ILLINOIS 62269

PHONE/CABLE

CHARTER COMMUNICATIONS
7645 MAGNA DRIVE, STE. 100
BELLEVILLE, IL 62223



LOCATION MAP
N.T.S.

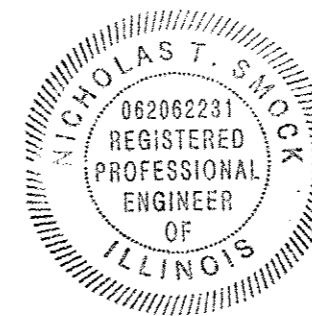


ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

SHILOH STATION ROAD DESIGN DESIGNATION:
ROADWAY CLASSIFICATION - COLLECTOR
URBAN DESIGN SPEED - 30 MPH
DESIGN TRAFFIC (2031) ADT - 2,150

LENGTH OF PROJECT
SHILOH STATION ROAD PHASE 1 & 2
GROSS LENGTH - 1002.27' (0.19 MILES)
NET LENGTH - 1002.27' (0.19 MILES)



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED *James A. Vermer II* 1/23/13
JAMES A. VERMER II
MAYOR
VILLAGE OF SHILOH

PASSED *Mann b.* 20 13
[Signature]
DISTRICT ENGINEER
LOCAL ROADS & STREETS

RELEASED FOR BID BASED ON LIMITED REVIEW
Mann b. 20 13
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS
[Signature] 1/23/13
NICHOLAS T. SMOCK
LICENSE NO. 062-062231
EXPIRATION DATE 11-30-2013

PREPARED BY:
TWM THOUVENOT, WADE & MOERCHEN, INC.

GENERAL NOTES

1. ANY FACILITIES OR APPURTENANCES, WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION, SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF ANY SUCH FACILITY IN THEIR REMOVAL AND ADJUST HIS OPERATIONS, IN ORDER THAT, THE UTILITY'S OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER.
2. THE TYPE, SIZE, AND LOCATION OF UTILITIES, AS DELINEATED IN THESE TOPOGRAPHIC LAND SURVEY DOCUMENTS AND/OR CIVIL ENGINEERING DESIGN DOCUMENTS, HAVE BEEN DETERMINED BY REVIEW OF AVAILABLE EXISTING "AS-BUILT" OR RECORD DRAWINGS, FIELD SURVEY OF J.U.L.I.E. MARKED UTILITIES, OR FIELD SURVEY OF ABOVE GROUND SURFACE UTILITY FEATURES. THE OWNER AND ENGINEER HAVE NOT UNDERTAKEN SUBSURFACE EXPLORATORY INVESTIGATIONS TO CONFIRM OR VERIFY THE UTILITIES SHOWN ON THESE DOCUMENTS; THEREFORE THEIR EXACT LOCATION, SIZE, AND FUNCTION MUST BE CONSIDERED APPROXIMATE AND MUST BE FIELD CONFIRMED BY THE CONTRACTOR.
3. THE ENGINEER AND OWNER FURTHER DO NOT WARRANT THAT ALL UTILITIES HAVE BEEN ILLUSTRATED ON THESE DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTACTING J.U.L.I.E. FOR FIELD VERIFICATION OF ALL UTILITIES ON THE SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF THE CONTRACTOR DETERMINES THAT SUBSTANTIAL DISCREPANCY EXISTS BETWEEN FIELD VERIFIED UTILITIES AND THESE PLANS, WHICH WOULD SIGNIFICANTLY AFFECT THE FUNCTION, COST, OR PERFORMANCE OF THE PROJECT, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER FOR CLARIFICATION AND PROJECT DIRECTION.
4. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE AREA LOCATED WITHIN THE TEMPORARY CONSTRUCTION EASEMENTS, AS SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
5. ALL EXISTING ROADWAY FEATURES, SUCH AS CULVERTS, HEADWALLS, RIP RAP, CURB, PAVEMENT, FENCING, ETC., LOCATED WITHIN THE CONSTRUCTION LIMITS ARE TO BE REMOVED UNLESS NOTED OTHERWISE ON THE PLANS.
6. EVERY TREE SHALL BE SAVED, IF POSSIBLE. THE ENGINEER IN THE FIELD WILL VERIFY AND MARK ALL TREES REQUIRED TO BE REMOVED. SHOULD THE ENGINEER'S DECISION INCREASE OR DECREASE THE QUANTITIES OF WORK TO BE PERFORMED FROM THE PLANS, THE CONTRACTOR SHALL ACCEPT PAYMENT AS STATED IN ARTICLE 104.03 OF THE STANDARD SPECIFICATIONS. TREES OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED UNLESS DESIGNATED BY THE ENGINEER.
7. THE SAW CUTTING OF EXISTING PAVEMENT, NECESSARY FOR ITS REMOVAL, SHALL BE INCLUDED IN THE COST OF THE ITEM FOR WHICH THE SAW CUT IS BEING MADE. THE REMOVAL OF ALL OIL & CHIP PAVEMENT SHALL BE INCLUDED IN THE EARTH EXCAVATION QUANTITY. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
8. ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES SHALL BE IMPLEMENTED AS SHOWN ON THE EROSION CONTROL PLAN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL EROSION AND DISPLACED SEDIMENT DOES NOT MIGRATE OFF SITE. IF UNEXPECTED EROSION OR SEDIMENTATION OCCURS, OR IF THE EROSION PLAN STRUCTURES BECOME DAMAGED, THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEASURES TO REPAIR, REPLACE, OR INSTALL EROSION CONTROL STRUCTURES TO INSURE OFF-SITE DAMAGE DOES NOT OCCUR. ANY SEDIMENT OR EROSION DAMAGE WHICH OCCURS OFF-SITE SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE.
9. ALL EARTH SURFACES DISTURBED BY CONSTRUCTION, OR AS DIRECTED BY THE ENGINEER, SHALL BE SEEDED AND MULCHED ACCORDING TO SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. ALL TEMPORARY EROSION CONTROL SEEDING SHALL BE IMPLEMENTED ACCORDING TO SECTION 280 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. COST BEYOND CONSTRUCTION LIMITS IS THE RESPONSIBILITY OF CONTRACTOR.

10. ANY CULVERTS DAMAGED BY OR REMOVED BY THE CONTRACTOR, OTHER THAN THOSE NOTED ON THE PLANS TO BE REMOVED, WILL HAVE TO BE REMOVED AND/OR REPLACED AT THE CONTRACTOR'S SOLE EXPENSE.
11. ALL MATERIALS, SUCH AS FRAMES AND GRATES AND STORM SEWER PIPE SCHEDULED FOR REMOVAL, THAT ARE CONSIDERED TO BE SUITABLE FOR FUTURE USE, SHALL BE SALVAGED AND STOCKPILED AS DIRECTED BY THE ENGINEER. ALL OTHER MATERIALS SCHEDULED FOR REMOVAL, BUT NOT SALVAGED, SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS/HER EXPENSE.
12. THE CONTRACTOR IS ADVISED THAT THE PROPOSED STORM SEWER ROADWAY CROSSINGS MAY CONFLICT WITH THE PROPOSED LIME STABILIZATION OPERATIONS DUE TO MINIMAL COVER OVER THE PIPES. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN THESE AREAS SO AS NOT TO CAUSE ANY DAMAGE TO THE PROPOSED STORM SEWERS. THIS MAY NECESSITATE VARYING THE METHODS OF LIME STABILIZATION. NO DIRECT PAYMENT SHALL BE MADE FOR THESE ACCOMMODATIONS.
13. ALL TRAFFIC CONTROL, INCLUDING, BUT NOT LIMITED TO WORK ZONE, TEMPORARY, AND PERMANENT, SHALL BE FURNISHED, INSTALLED, MAINTAINED, RELOCATED, AND/OR REMOVED ACCORDING TO SECTION 701 OF THE LATEST EDITION OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
14. TRAFFIC CONTROL SIGNS SHALL BE 48" FLUORESCENT ORANGE.
15. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE VILLAGE OF SHILOH AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES OR WORK REQUIRING INSPECTION OR APPROVAL BY THE AFFECTED UNITS OF GOVERNMENT.
16. IT IS NOT WARRANTED THAT THESE PLANS CONTAIN COMPLETE INFORMATION REGARDING EASEMENTS, RESERVATIONS, RESTRICTIONS, RIGHTS-OF-WAY, BUILDING LINE SETBACKS, AND OTHER ENCUMBRANCES. FOR COMPLETE INFORMATION, A TITLE OPINION OR COMMITMENT FOR TITLE INSURANCE SHOULD BE OBTAINED AND THOROUGHLY REVIEWED.
17. PRIOR TO CONSTRUCTING ANY ENTRANCE, THE PROPERTY OWNER WILL BE NOTIFIED IN WRITING, INFORMING THEM OF CONSTRUCTION AND THE ESTIMATED DATES CONSTRUCTION WILL TAKE PLACE.
18. WATER TIGHT GASKETS WILL BE INSTALLED AT EVERY JOINT FOR STORM SEWER. COST WILL BE INCLUDED IN STORM SEWER.
19. ALL GRADING, EXCAVATION AND FILL, NECESSARY TO SATISFY THE ADDITIONAL DRIVEWAY LENGTHS SHALL BE INCLUDED IN COST OF DRIVEWAY PLACEMENT TYPE. NO ADDITIONAL COST WILL BE ALLOWED.
20. ANY SUBSURFACE UTILITY WITHIN THE CONSTRUCTION LIMITS IS TO BE VERIFIED FOR ACTIVITY AND ALL ABANDONED UTILITIES ARE TO BE REMOVED. COST IS INCLUDED IN THE COST OF EARTH EXCAVATION.
21. IF ASH TREES ARE REMOVED ON THE PROJECT, THE CONTRACTOR SHALL BECOME FAMILIAR AND COMPLY WITH MEASURES SPECIFIED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE (IDOA) TO PREVENT THE SPREAD OF THE EMERALD ASH BORER. THE IDOA INFORMATION FOR ASH TREE REMOVAL CAN BE FOUND ON THE IDOA WEBSITE AT WWW.AGR.STATE.IL.US/EAB.

COMMITMENTS

DUE TO POTENTIAL SUITABLE HABITAT FOR THE INDIANA BAT WITHIN THE PROJECT CORRIDOR, NO TREES ARE TO BE REMOVED BETWEEN APRIL 1ST AND SEPTEMBER 30TH OF ANY YEAR

THOUVENOT,
WADE &
MOERCHEN, INC.
ENGINEERS ♦ SURVEYORS ♦ PLANNERS



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FAX (618) 624-6688
corp@twm-inc.com
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- EDWARDSVILLE OFFICE
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TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com

| PROFESSIONAL REGISTRATIONS | LICENSE NO. |
|-------------------------------------|-------------|
| ILLINOIS PROFESSIONAL DESIGN FIRM | 184-001220 |
| PROFESSIONAL ENGINEERING CORP. | 62-035370 |
| PROFESSIONAL STRUCTURAL ENGR. CORP. | 61-005092 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000029 |
| MISSOURI PROFESSIONAL ENGR. CORP. | MC 001528 |
| MISSOURI LAND SURVEYING CORP. | MC 000346 |

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the documents herein to be authorized by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the architectural, engineering or survey project.

TITLE: SHILOH STATION ROAD
GENERAL NOTES
10-00011-01-PV AND 11-00011-02-PV

PROJECT: SHILOH STATION ROAD
RECONSTRUCTION - PHASE 1 AND 2
VILLAGE OF SHILOH
ST. CLAIR COUNTY, ILLINOIS

| REV | DATE | DESCRIPTION |
|-----|------|-------------|
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|---|--|
| DRAWN BY: NTS | SHEET |
| DESIGNED BY: NTS | 2 |
| CHECKED BY: | OF 24 SHEETS |
| APPROVED BY: | PROJECT DESCRIPTION |
| PROJECT NUMBER: T01100602 | |
| <input type="checkbox"/> ISSUED FOR REVIEW | <input checked="" type="checkbox"/> ISSUED FOR BIDDING |
| <input type="checkbox"/> ISSUED FOR CONSTR. | <input type="checkbox"/> RECORD DRAWING |

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waterloo@twm-inc.com

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TEL (618) 656-4040
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edwardsville@twm-inc.com

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1001 CRAIG ROAD, SUITE 280
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com

| | |
|-------------------------------------|-------------|
| PROFESSIONAL REGISTRATIONS | LICENSE NO. |
| ILLINOIS PROFESSIONAL DESIGN FIRM | 184-001220 |
| PROFESSIONAL ENGINEERING CORP. | 61-033370 |
| PROFESSIONAL STRUCTURAL ENGR. CORP. | 81-005202 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000229 |
| MISSOURI PROFESSIONAL ENGR. CORP. | MC 001528 |
| MISSOURI LAND SURVEYING CORP. | MC 000346 |

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TITLE: **SHILOH STATION ROAD
SUMMARY OF QUANTITIES
10-00011-01-FV AND 11-00011-02-FV**

PROJECT: **SHILOH STATION ROAD
RECONSTRUCTION - PHASE 1 AND 2
VILLAGE OF SHILOH
ST. CLAIR COUNTY, ILLINOIS**

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
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| △ | | |

| | |
|---------------------------|---------------------|
| DRAWN BY: NTS | SHEET |
| DESIGNED BY: NTS | 3 |
| CHECKED BY: | OF 24 SHEETS |
| APPROVED BY: | PROJECT DESCRIPTION |
| PROJECT NUMBER: T01100602 | |

ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR. RECORD DRAWING

| SUMMARY OF QUANTITIES | | | |
|-----------------------|--|-------|----------|
| Code Number | Item | Unit | Quantity |
| 20100210 | TREE REMOVAL (OVER 15 UNITS DIAMETER) | UNIT | 52 |
| 20200100 | EARTH EXCAVATION | CU YD | 324 |
| 20400800 | FURNISHED EXCAVATION | CU YD | 712 |
| 20800150 | TRENCH BACKFILL | CU YD | 514.3 |
| 25000100 | SEEDING, CLASS 1 | ACRE | 0.9 |
| 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 81 |
| 25000500 | PHOSPHORUS FERTILIZER NUTRIENT | POUND | 81 |
| 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 81 |
| 25100115 | MULCH, METHOD 2 | ACRE | 0.9 |
| 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 90 |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 917 |
| 28000500 | INLET AND PIPE PROTECTION | EACH | 18 |
| 30200650 | PROCESSING MODIFIED SOIL 12" | SQ YD | 3,563 |
| 30201500 | LIME | TON | 68.6 |
| 35101600 | AGGREGATE BASE COURSE, TYPE B 4" | SQ YD | 829.2 |
| 35102000 | AGGREGATE BASE COURSE, TYPE B 8" | SQ YD | 777.6 |
| 40200500 | AGGREGATE SURFACE COURSE, TYPE A 6" | SQ YD | 34.0 |
| 40201000 | AGGREGATE FOR TEMPORARY ACCESS | TON | 650 |
| 40600200 | BITUMINOUS MATERIALS (PRIME COAT) | TON | 0.8 |
| 40600300 | AGGREGATE (PRIME COAT) | TON | 1.3 |
| 40603085 | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 | TON | 1,323 |
| 40603315 | HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 | TON | 311 |
| 40800050 | INCIDENTAL HOT-MIX ASPHALT SURFACING | TON | 116.1 |
| 42300200 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH | SQ YD | 523.3 |
| 42400100 | PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH | SQ FT | 7,463.7 |
| 42400800 | DETECTABLE WARNINGS | SQ FT | 91.6 |
| 44000100 | PAVEMENT REMOVAL | SQ YD | 3,136.5 |
| 44000200 | DRIVEWAY PAVEMENT REMOVAL | SQ YD | 724.1 |
| 44000500 | COMBINATION CURB AND GUTTER REMOVAL | FOOT | 1,082.6 |
| 44000600 | SIDEWALK REMOVAL | SQ FT | 3,078.8 |
| 48101620 | AGGREGATE SHOULDERS, TYPE B 10" | SQ YD | 28.1 |
| 50105220 | PIPE CULVERT REMOVAL | FOOT | 138.1 |
| 550A2320 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12" | FOOT | 392.2 |
| 550A2360 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24" | FOOT | 713.3 |
| 550A2380 | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 30" | FOOT | 149.3 |
| 60219000 | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE | EACH | 1 |
| 60219530 | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE | EACH | 3 |
| 60219570 | MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3V FRAME AND GRATE | EACH | 3 |
| 60222270 | MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3V FRAME AND GRATE | EACH | 2 |
| 60236200 | INLETS, TYPE A, TYPE 8 GRATE | EACH | 3 |
| 60237460 | INLETS, TYPE A, TYPE 23 FRAME AND GRATE | EACH | 3 |
| 60255500 | MANHOLES TO BE ADJUSTED | EACH | 2 |
| 60500060 | REMOVING INLETS | EACH | 5 |
| 60604400 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 | FOOT | 2,198.3 |
| 67100100 | MOBILIZATION | L SUM | 1 |
| 70101835 | TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22 | L SUM | 1 |
| 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501 | L SUM | 1 |
| 70102640 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801 | L SUM | 1 |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 140 |
| 70300220 | TEMPORARY PAVEMENT MARKING - LINE 4" | FOOT | 2,018.5 |
| 70300240 | TEMPORARY PAVEMENT MARKING - LINE 6" | FOOT | 272.9 |
| 70300260 | TEMPORARY PAVEMENT MARKING - LINE 12" | FOOT | 101.1 |
| 70301000 | WORK ZONE PAVEMENT MARKING REMOVAL | SQ FT | 823.0 |
| 72000100 | SIGN PANEL - TYPE 1 | SQ FT | 65.0 |
| 72400310 | REMOVE SIGN PANEL - TYPE 1 | SQ FT | 25.0 |
| 72400710 | RELOCATE SIGN PANEL - TYPE 1 | SQ FT | 18.8 |
| 72800100 | TELESCOPING STEEL SIGN SUPPORT | FOOT | 231.0 |
| △ 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" | FOOT | 1,923.8 |
| △ 78000400 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" | FOOT | 272.8 |
| △ 78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" | FOOT | 101.1 |
| △ 78100100 | RAISED REFLECTIVE PAVEMENT MARKER | EACH | 13 |
| X0322024 | TRENCH DRAIN | EACH | 1 |
| X0323265 | REMOVE EXISTING RIPRAP | SQ YD | 17.7 |
| X0325299 | INLET MODIFICATION | EACH | 1 |
| X0326694 | PLUG EXISTING STORM SEWERS | CU YD | 1 |
| X5510100 | STORM SEWER REMOVAL | FOOT | 348.1 |
| X6020074 | INLETS, TYPE A, TYPE 3V FRAME AND GRATE | EACH | 4 |
| XX006119 | TRAFFIC CONTROL AND PROTECTION - DETOUR | L SUM | 1 |

△ SPECIALTY ITEMS

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TEL (314) 236-5052
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stlouis@twm-inc.com

| PROFESSIONAL REGISTRATIONS | LICENSE NO. |
|-------------------------------------|-------------|
| ILLINOIS PROFESSIONAL DESIGN FIRM | 184-061200 |
| PROFESSIONAL ENGINEERING CORP. | 62-035370 |
| PROFESSIONAL STRUCTURAL ENGR. CORP. | 81-005202 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 040-000029 |
| MISSOURI PROFESSIONAL ENGR. CORP. | NC 001528 |
| MISSOURI LAND SURVEYING CORP. | NC 000346 |

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TITLE: **SHILOH STATION ROAD**
SCHEDULE OF QUANTITIES
10-00011-01-PV AND 11-00011-02-PV

PROJECT: **SHILOH STATION ROAD**
RECONSTRUCTION - PHASE 1 AND 2
VILLAGE OF SHILOH
ST. CLAIR COUNTY, ILLINOIS

| REV | DATE | DESCRIPTION |
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| | | |
|---|--|---------------------|
| DRAWN BY: _____ | NTS | SHEET |
| DESIGNED BY: _____ | NTS | 4 |
| CHECKED BY: _____ | | OF 24 SHEETS |
| APPROVED BY: _____ | | PROJECT DESCRIPTION |
| PROJECT NUMBER: T01100602 | | |
| <input type="checkbox"/> ISSUED FOR REVIEW | <input checked="" type="checkbox"/> ISSUED FOR BIDDING | |
| <input type="checkbox"/> ISSUED FOR CONSTR. | <input type="checkbox"/> RECORD DRAWING | |

REMOVAL SCHEDULE

| FROM LOCATION (STATION, DIRECTION) | TO LOCATION (STATION, DIRECTION) | TREE REMOVAL (UNIT) | PAVEMENT REMOVAL (SQ YD) | DRIVEWAY PAVEMENT REMOVAL (SQ YD) | COMBINATION CURB & GUTTER REMOVAL (FOOT) | SIDEWALK REMOVAL (SQ FT) | PIPE CULVERT REMOVAL (FOOT) | REMOVING INLETS (EACH) | EXISTING RIPRAP REMOVAL (SQ YD) | STORM SEWER REMOVAL (FOOT) | | |
|------------------------------------|----------------------------------|---------------------|--------------------------|-----------------------------------|--|--------------------------|-----------------------------|------------------------|---------------------------------|----------------------------|------|-------|
| SHILOH STATION ROAD | | | | | | | | | | | | |
| -0+13.85 | LT | 0+44.39 | LT | | | | | | | 58.2 | | |
| -0+03.58 | LT | 2+93.91 | LT | | | 1178.2 | | | | | | |
| 0+00.00 | LT | 3+72.32 | LT | 3136.5 | | | | | | | | |
| 0+00.00 | LT | 2+94.98 | LT | | 311.7 | | | | | | | |
| 0+00.00 | RT | 0+21.21 | RT | | | | | | 17.7 | | | |
| 0+05.05 | RT | | | | | | | 1 | | | | |
| 0+44.39 | LT | | | | | | | 1 | | | | |
| 0+44.39 | LT | 1+37.80 | LT | | | | | | | 93.4 | | |
| 1+37.80 | LT | 2+86.26 | LT | | | | | | | 148.5 | | |
| 1+96.90 | RT | 2+15.72 | RT | | | | | | 19.4 | | | |
| 1+95.19 | RT | 2+18.95 | RT | | | | | | | | | |
| 2+86.26 | LT | | | | | | 23.8 | | | | | |
| 2+86.26 | LT | 3+34.23 | LT | | | | | 1 | | | | |
| 2+90.07 | RT | 3+10.09 | RT | | | | | | | 48.0 | | |
| 2+88.59 | RT | 3+12.32 | RT | 59.3 | | | | | | | | |
| 2+88.85 | LT | 3+33.92 | LT | | | | 23.7 | | | | | |
| 3+19.83 | LT | 7+76.43 | LT | | | | | | | | | |
| 3+20.31 | RT | | | | 494.6 | | | | | | | |
| 3+23.40 | LT | 3+74.16 | LT | 16 | | | | | | | | |
| 3+34.23 | LT | | | | | 190.1 | | | | | | |
| 3+72.32 | LT | 3+92.61 | LT | | | | | 1 | | | | |
| 3+76.54 | RT | 3+99.86 | RT | 16.1 | | | | | | | | |
| 3+78.42 | RT | 3+95.80 | RT | | | | | | 23.4 | | | |
| 3+91.79 | LT | 4+44.00 | LT | 95.0 | | | | | | | | |
| 4+23.81 | RT | 4+17.68 | RT | | | 207.5 | | | | | | |
| 4+24.85 | RT | 4+46.83 | RT | | | | | | 23.9 | | | |
| 4+42.41 | RT | 4+63.67 | RT | 88.1 | | | | | | | | |
| 4+62.31 | LT | 5+54.12 | LT | 58.2 | | | | | | | | |
| 5+01.98 | RT | 5+25.14 | RT | | | | | | | 367.1 | | |
| 5+03.39 | RT | 5+25.78 | RT | | | | | | | 24.0 | | |
| 5+51.91 | LT | 5+75.30 | LT | 92.0 | | | | | | | | |
| 5+75.51 | LT | 6+19.51 | LT | 64.2 | | | | | | | | |
| 5+83.25 | RT | 6+02.57 | RT | | | | | | | 169.7 | | |
| 5+83.95 | RT | 6+01.75 | RT | | | | | | | 19.3 | | |
| 6+17.94 | LT | 6+41.07 | LT | | 88.9 | | | | | | | |
| 6+38.55 | LT | 7+27.18 | LT | | 51.4 | | | | | | | |
| 6+57.66 | RT | | | | | | | | | 346.4 | | |
| 7+26.10 | LT | 7+47.67 | LT | 36 | | | | | | | | |
| 7+45.97 | LT | 7+69.22 | LT | | 51.4 | | | | | | | |
| 7+81.91 | RT | 7+89.35 | RT | | | | | | | 97.6 | | |
| 8+12.67 | RT | 10+02.27 | RT | | | | 34.7 | | | | | |
| 8+17.84 | LT | 8+30.07 | LT | | | 206.2 | | | | | | |
| 8+24.74 | RT | 8+29.74 | RT | | | | | | | 54.8 | | |
| 8+24.83 | RT | 8+32.25 | RT | 8.8 | | | | | | | | |
| 8+29.88 | LT | 8+48.43 | LT | | | | | | | 35.4 | | |
| 8+48.50 | LT | 9+28.85 | LT | | 45.8 | | | | | | | |
| 9+27.01 | LT | 9+47.81 | LT | | 24.5 | | | | | 317.7 | | |
| 9+46.02 | LT | 9+84.18 | LT | | | | | | | 149.7 | | |
| | | TOTAL | | 52 | 3136.5 | 724.1 | 1082.6 | 3078.8 | 138.1 | 5 | 17.7 | 348.1 |

PAVING AND SIDEWALK SCHEDULE

| FROM LOCATION (STATION, DIRECTION) | TO LOCATION (STATION, DIRECTION) | PROCESSING MODIFIED SOILS (SQ YD) | LIME (TON) | AGGREGATE BASE COURSE, TYPE B - 4" (SQ YD) | HOT - MIX ASPHALT BINDER COURSE, IL-19.0, N 70 (TON) | HOT - MIX ASPHALT SURFACE COURSE, MIX "C", N 70 (TON) | PORTLAND CEMENT CONCRETE SIDEWALK - 4" (SQ FT) | DETECTABLE WARNINGS (SQ FT) | AGGREGATE SHOULDERS, TYPE B 10" (SQ. YD.) | COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18 (FOOT) | | |
|------------------------------------|----------------------------------|-----------------------------------|------------|--|--|---|--|-----------------------------|---|--|------|--------|
| SHILOH STATION ROAD | | | | | | | | | | | | |
| -0+03.58 | LT | 2+90.13 | LT | | | | 1495.6 | | | | | |
| 0+00.00 | LT | 9+61.88 | LT | | | | | | | | | |
| 0+00.00 | LT | 10+02.27 | LT | 3563 | 68.6 | | | | | | | |
| 0+00.00 | LT | 9+61.88 | LT | | | | | | | 962.0 | | |
| 0+00.00 | RT | 9+61.88 | RT | | | | | | | 962.0 | | |
| 0+01.42 | RT | 1+05.26 | RT | | | | | | | | | |
| 0+15.42 | LT | | | | | | | | | | | |
| 0+15.42 | RT | | | | | | | 8.0 | | | | |
| 1+34.50 | RT | 1+98.40 | RT | | | | | 8.0 | | | | |
| 2+15.63 | RT | 2+91.42 | RT | | | | | | | | | |
| 2+72.32 | LT | 2+95.82 | LT | | | | | | | | | |
| 2+85.38 | LT | | | | | | | | | 36.9 | | |
| 3+09.48 | RT | 3+75.88 | RT | | | | | | | | | |
| 3+18.82 | LT | 3+42.32 | LT | | | | | 12.2 | | | | |
| 3+24.50 | LT | 3+72.55 | LT | | | | | | | 36.9 | | |
| 3+29.25 | LT | | | | | | | | | | | |
| 3+94.02 | LT | 4+42.20 | LT | | | | | 12.2 | | | | |
| 3+99.80 | RT | 4+23.70 | RT | | | | 240.9 | | | | | |
| 4+48.68 | RT | 5+02.99 | RT | | | | 13.3 | | | | | |
| 4+64.04 | LT | 5+52.74 | LT | | | | 30.2 | | | | | |
| 5+25.23 | RT | 5+82.83 | RT | | | | 49.3 | | | | | |
| 5+76.90 | LT | 6+17.41 | LT | | | | 32.0 | | | | | |
| 6+04.06 | RT | 7+78.73 | RT | | | | 22.5 | | | | | |
| 6+39.91 | LT | 7+25.04 | LT | | | | 98.5 | | | | | |
| 7+47.94 | LT | 7+66.44 | LT | | | | 47.3 | | | | | |
| 7+51.13 | LT | 7+76.83 | LT | | | | 11.9 | | | | | |
| 7+63.12 | RT | 7+88.93 | RT | | | | | | | 50.0 | | |
| 7+64.88 | LT | | | | | | | | | 49.6 | | |
| 7+75.87 | RT | | | | | | | | | | | |
| 8+12.19 | LT | 8+37.67 | LT | | | | | | | 12.8 | | |
| 8+22.36 | LT | 8+28.30 | LT | | | | | | | 12.8 | | |
| 8+23.92 | LT | | | 4.0 | | | | | | 50.3 | | |
| 8+24.25 | RT | 8+49.69 | RT | | | | | | | | | |
| 8+34.38 | RT | 9+58.82 | RT | | | | | | | | | |
| 8+35.94 | RT | | | | | | | | | 70.2 | | |
| 8+51.30 | LT | 9+26.43 | LT | | | | | | | | | |
| 9+48.40 | LT | 9+84.18 | LT | | | | | | | 41.7 | | |
| 9+61.88 | RT/LT | 10+02.27 | RT/LT | | | | | | | 18.5 | | |
| | | TOTAL | | 3563 | 68.6 | 829.2 | 1323 | 311 | 7463.7 | 91.6 | 28.1 | 2198.3 |

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MOERCHEN, INC.**
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| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000029 |
| MISSOURI PROFESSIONAL ENGR. CORP. | MC 001538 |
| MISSOURI LAND SURVEYING CORP. | MC 000346 |

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Signature: _____
Expiration Date: _____

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| ENTRANCE & SIDEROAD SCHEDULE | | | | | | | | | |
|---------------------------------------|---------------|---|---|-----------------------------------|---|------------------------------|--|--|---|
| LOCATION (STATION, DIRECTION) | ENTRANCE TYPE | L' ADJUSTMENT LENGTH OF DRIVEWAY BEHIND ENTRANCE APRON (FEET) | AGGREGATE BASE COURSE, TYPE B, 8" (SQ. YD.) | AGGREGATE TEMPORARY ACCESS, (TON) | BITUMINOUS MATERIALS (PRIME COAT) (TON) | AGGREGATE (PRIME COAT) (TON) | INCIDENTAL HOT-MIX ASPHALT SURFACING (TON) | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6" (SQ. YD.) | AGGREGATE SURFACE COURSE TYPE A, 6" (SQ. YD.) |
| SHILOH STATION ROAD | | | | | | | | | |
| AS NEEDED AND AS DIRECTED BY ENGINEER | | | | | | | | | |
| 1+20.00 | RT | PE | 0.0 | | | | | | 27.5 |
| 2+06.98 | RT | PE | 20.6 | | | | | | 25.1 |
| 3+00.45 | RT | PE | 20.6 | | | | | | 63.2 |
| 3+07.32 | LT | S. 2ND STREET | | 100.9 | 0.16 | 0.25 | 17.0 | | |
| 3+83.28 | LT | PE | 18.8 | | | | | | 20.8 |
| 3+87.84 | RT | PE | 15.6 | | | | | | 34.2 |
| 4+38.19 | RT | PE | 28.0 | | | | | | 55.6 |
| 4+53.12 | LT | PE | 20.9 | | | | 4.4 | | 86.2 |
| 5+14.11 | RT | PE | 35.9 | | | | 7.8 | | 21.1 |
| 5+64.82 | LT | PE | 20.9 | | | | 4.8 | | 21.4 |
| 5+93.45 | RT | PE | 35.9 | | | | 7.4 | | 23.1 |
| 6+28.66 | LT | PE | 16.9 | | | | 3.6 | | 20.5 |
| 7+38.49 | LT | PE | 16.9 | | | | | | 21.7 |
| 7+94.78 | LT | TIMBERLINE COURT | | 151.3 | 0.24 | 0.38 | 25.4 | | 55.6 |
| 8+07.10 | RT | JUANITA CIRCLE | | 151.1 | 0.24 | 0.38 | 25.4 | | |
| 8+27.24 | RT | PE | | 8.8 | | | 1.0 | | |
| 8+39.78 | LT | PE | 15.3 | | | | | | 51.1 |
| 9+37.42 | LT | PE | 0.0 | | | | | | 30.4 |
| | | END JOINT | | | | | | | |
| | | TOTAL | 114.6 | 490 | 0.18 | 0.29 | 19.3 | | 523.3 |
| | | TOTAL | 777.6 | | 0.82 | 1.30 | 116.1 | | 34.2 |

| EROSION CONTROL AND SEEDING SCHEDULE | | | | | | | | | | |
|--------------------------------------|----------------------------------|---|----------------------------------|--------------------------------|-------------------------|------------------------------------|---------------------------------------|-------------------------------------|------------------------|------|
| FROM LOCATION (STATION, DIRECTION) | TO LOCATION (STATION, DIRECTION) | TEMPORARY EROSION CONTROL SEEDING (LBS) | PERIMETER EROSION BARRIER (FOOT) | INLET & PIPE PROTECTION (EACH) | SEEDING CLASS 1 (ACRES) | NITROGEN FERTILIZER NUTRIENT (LBS) | PHOSPHOROUS FERTILIZER NUTRIENT (LBS) | POTASSIUM FERTILIZER NUTRIENT (LBS) | MULCH METHOD 2 (ACRES) | |
| SHILOH STATION ROAD | | | | | | | | | | |
| -0+15.90 | | 10+02.27 | 90 | | 0.90 | 81 | 81 | 81 | 0.90 | |
| -0+15.90 | LT | 2+96.98 | 337 | | | | | | | |
| 0+44.24 | LT | | | | | | | | | |
| 0+44.39 | LT | | | | | | | | | |
| 0+44.39 | RT | | | | | | | | | |
| 1+37.80 | LT | | | | | | | | | |
| 1+37.80 | RT | | | | | | | | | |
| 2+82.63 | LT | | | | | | | | | |
| 2+82.63 | RT | | | | | | | | | |
| 3+17.65 | LT | 3+74.68 | 86 | | | | | | | |
| 3+22.68 | LT | | | | | | | | | |
| 3+91.93 | LT | 4+44.20 | 52 | | | | | | | |
| 4+42.41 | LT | | | | | | | | | |
| 4+42.42 | RT | | | | | | | | | |
| 4+61.23 | LT | 5+55.40 | 94 | | | | | | | |
| 5+73.29 | LT | 6+19.78 | 47 | | | | | | | |
| 6+01.68 | LT | | | | | | | | | |
| 6+01.69 | RT | | | | | | | | | |
| 6+36.88 | LT | 7+27.78 | 91 | | | | | | | |
| 7+45.58 | LT | 7+76.15 | 38 | | | | | | | |
| 7+59.95 | LT | | | | | | | | | |
| 7+59.96 | RT | | | | | | | | | |
| 8+13.29 | LT | 8+30.80 | 28 | | | | | | | |
| 8+28.84 | LT | | | | | | | | | |
| 8+41.05 | RT | | | | | | | | | |
| 8+48.45 | LT | 8+99.22 | 51 | | | | | | | |
| 8+99.18 | LT | 9+28.97 | 30 | | | | | | | |
| 9+45.93 | LT | 10+08.52 | 63 | | | | | | | |
| 10+01 | LT | | | | | | | | | |
| 10+01 | RT | | | | | | | | | |
| | | TOTAL | 90 | 917 | 18 | 0.90 | 81 | 81 | 81 | 0.90 |

| EARTHWORK SCHEDULE | | | | | |
|-------------------------|------------------------|----------------|----------------------------|-----------------|-------------------------------------|
| FROM LOCATION (STATION) | TO LOCATION (STATION) | EARTH CUT (CY) | ADJUSTED CUT (CY) | EARTH FILL (CY) | BALANCE WASTE (+) SHORTAGE (-) (CY) |
| SHILOH STATION ROAD | | | | | |
| 0+00 | 10+02.27 | 432 | 324 | 1036 | -712 |
| | TOTAL EARTH EXCAVATION | 432 | TOTAL FURNISHED EXCAVATION | | 712 |

TITLE: SHILOH STATION ROAD SCHEDULE OF QUANTITIES 10-00011-01-PV AND 11-00011-02-PV

PROJECT: SHILOH STATION ROAD RECONSTRUCTION - PHASE 1 AND 2 VILLAGE OF SHILOH ST. CLAIR COUNTY, ILLINOIS

| REV | DATE | DESCRIPTION |
|-----|------|-------------|
| △ | | |
| △ | | |
| △ | | |

DRAWN BY: NTS
DESIGNED BY: NTS
CHECKED BY:
APPROVED BY:

SHEET 5 OF 24 SHEETS

PROJECT DESCRIPTION: PROJECT NUMBER T01100602

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STORM SEWERS & DRAINAGE STRUCTURES

| LOCATION (STATION TO STATION) | TRENCH BACKFILL (CU YD) | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1-12" (FOOT) | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1-24" (FOOT) | STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1-30" (FOOT) | MANHOLES, TYPE A DIAMETER, TYPE B GRATE (EACH) | MANHOLES, TYPE A DIAMETER, TYPE 23 FRAME AND GRATE (EACH) | MANHOLES, TYPE A DIAMETER, TYPE 3V FRAME AND GRATE (EACH) | MANHOLES, TYPE A DIAMETER, TYPE 3V FRAME AND GRATE (EACH) | INLETS, TYPE A TYPE 8 GRATE (EACH) | INLETS, TYPE A TYPE 23 FRAME AND GRATE (EACH) | INLETS, TYPE A TYPE 3V FRAME AND GRATE (EACH) | PLUG EXISTING STORM SEWERS (CU YD.) | INLET MODIFICATION (EACH) | TRENCH DRAIN COMPLETE (LUMP SUM) |
|-------------------------------|-------------------------|---|---|---|--|---|---|---|------------------------------------|---|---|-------------------------------------|---------------------------|----------------------------------|
| SHILOH STATION ROAD | | | | | | | | | | | | | | |
| -0+13.85 | LT | | | | | | | | | | | | | |
| 0+05.05 | RT | | | | | | | | | | | | | |
| 0+44.34 | LT | 0+44.39 | LT | 18.06 | | | | | | | | | | |
| 0+44.34 | LT | 0+44.39 | LT | 1.95 | 8.8 | | | | | | | | | |
| 0+44.39 | RT | | | | | | | | | | | | | |
| 0+44.39 | LT | 0+44.39 | RT | 0.76 | 25.3 | | | | | | | | | |
| 0+44.39 | LT | 1+37.80 | LT | 10.93 | | | | | | | | | | |
| 1+37.80 | LT | | | | | | | | | | | | | |
| 1+37.80 | RT | | | | | | | | | | | | | |
| 1+37.80 | LT | 1+37.80 | RT | 1.63 | 25.5 | | | | | | | | | |
| 1+37.80 | LT | 2+82.63 | LT | 30.43 | | | | | | | | | | |
| 2+82.63 | LT | | | | | | | | | | | | | |
| 2+82.63 | RT | | | | | | | | | | | | | |
| 2+82.63 | LT | 2+82.63 | RT | 11.07 | 28.1 | | | | | | | | | |
| 2+82.63 | LT | 3+22.68 | LT | 1.52 | 37.9 | | | | | | | | | |
| 2+82.63 | RT | 4+42.42 | RT | 67.83 | 156.3 | | | | | | | | | |
| 3+22.68 | LT | | | | | | | | | | | | | |
| 3+87.84 | RT | | | | | | | | | | | | | |
| 4+42.41 | LT | | | | | | | | | | | | | |
| 4+42.41 | LT | 4+42.42 | RT | 6.74 | 25.5 | | | | | | | | | |
| 4+42.42 | RT | | | | | | | | | | | | | |
| 4+42.42 | RT | 6+01.69 | RT | 119.15 | 155.8 | | | | | | | | | |
| 6+01.68 | LT | | | | | | | | | | | | | |
| 6+01.68 | LT | 6+01.69 | RT | 6.84 | 25.8 | | | | | | | | | |
| 6+01.69 | RT | | | | | | | | | | | | | |
| 6+01.69 | RT | 7+59.96 | RT | 116.4 | 154.3 | | | | | | | | | |
| 7+59.95 | LT | | | | | | | | | | | | | |
| 7+59.95 | LT | 7+59.96 | RT | 7.09 | 27.4 | | | | | | | | | |
| 7+59.96 | RT | | | | | | | | | | | | | |
| 7+59.96 | RT | 8+41.05 | RT | 60.70 | 77.4 | | | | | | | | | |
| 8+28.84 | LT | | | | | | | | | | | | | |
| 8+28.84 | LT | 8+41.05 | RT | 7.99 | 30.9 | | | | | | | | | |
| 8+41.05 | RT | | | | | | | | | | | | | |
| 8+41.05 | RT | 10+01 | RT | 41.70 | 156.6 | | | | | | | | | |
| 10+01 | RT | | | | | | | | | | | | | |
| 10+01 | LT | | | | | | | | | | | | | |
| 10+01 | RT | 10+01 | LT | 1.49 | 28.5 | | | | | | | | | |
| | | TOTAL | | 514.27 | 392.2 | 713.3 | 149.3 | 1 | 3 | 3 | 2 | 3 | 4 | 1 |

PAVEMENT MARKING SCHEDULE

| LOCATION (STATION, DIRECTION) | TYPE | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (FOOT) | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (FOOT) | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (FOOT) | TEMPORARY PAVEMENT MARKING - LINE 4" (FOOT) | TEMPORARY PAVEMENT MARKING - LINE 6" (FOOT) | TEMPORARY PAVEMENT MARKING - LINE 12" (FOOT) | SHORT TERM PAVEMENT MARKING (FOOT) | RAISED REFLECTIVE PAVEMENT MARKERS (EACH) | REMOVE SIGN PANEL - TYPE 1 (SQ FT) | RELOCATE SIGN PANEL - TYPE 1 (SQ FT) | SIGN PANEL - TYPE 1 (SQ FT) | TELESCOPING STEEL SIGN SUPPORT (FOOT) | |
|-------------------------------|------|---|---|--|---|---|--|------------------------------------|---|------------------------------------|--------------------------------------|-----------------------------|---------------------------------------|-----|
| SHILOH STATION ROAD | | | | | | | | | | | | | | |
| -0+10.11 | RT | (W16-1P) 18"x24" | | | | | | | | | | 3.0 | 14.0 | |
| 0+00.00 | | (R1-5) 36"x36" | | | | | | | | | | 9.0 | 15.0 | |
| 0+00.00 | | SKIP DASH | | | | | | 140.0 | | | | | | |
| 0+00.00 | | DOUBLE YELLOW | 1923.8 | | | | | | | | | | | |
| 0+00.00 | | TWO-WAY AMBER | | | 1923.8 | | | | | | | | | |
| 0+11.92 | | CROSS WALK | | 26.0 | | | | | 13 | | | | | |
| 0+18.92 | | CROSS WALK | | 26.0 | | | | | | | | | | |
| 0+40.96 | LT | (R1-5) 36"x36" | | | | | | | | | | 9.0 | 15.0 | |
| 1+50.00 | RT | (R8-3) 24"x24" | | | | | | | | | | 4.0 | 14.0 | |
| 1+50.00 | LT | (R8-3) 24"x24" | | | | | | | | | | 4.0 | 14.0 | |
| 2+37.83 | RT | NO PARKING SIGN | | | | | | | | | | 4.0 | 14.0 | |
| 2+86.00 | LT | CROSS WALK | | 42.6 | | | | | | 5.0 | | | | |
| 2+91.26 | LT | STOP SIGN | | | | | | | | | | | | |
| 2+93.08 | LT | CROSS WALK | | 28.5 | | | | | | | 6.25 | | 15.0 | |
| 2+95.55 | LT | WHITE STOP BAR | | | | | | | | | | | | |
| 3+42.30 | LT | (R2-1) 24"x30" | | 11.9 | | | | | | | | | | |
| 3+42.30 | RT | (R2-1) 24"x30" | | | | | | | | | | 5.0 | 14.5 | |
| 4+10.27 | RT | NO PARKING SIGN | | | | | | | | | | 5.0 | 14.5 | |
| 5+34.42 | RT | (R8-3) 24"x24" | | | | | | | | 5.0 | | | | |
| 5+34.42 | LT | (R8-3) 24"x24" | | | | | | | | | | 4.0 | 14.0 | |
| 5+71.83 | RT | NO PARKING SIGN | | | | | | | | | | 4.0 | 14.0 | |
| 7+65.42 | LT | CROSS WALK | | 58.0 | | | | | | 5.0 | | | | |
| 7+72.98 | LT | CROSS WALK | | 42.9 | | | | | | | | | | |
| 7+75.49 | LT | STOP SIGN | | | | | | | | | | | | |
| 7+75.89 | LT | WHITE STOP BAR | | | | | | | | | | 6.25 | 15.0 | |
| 7+77.41 | RT | CROSS WALK | | 58.0 | | | | | | | | | | |
| 7+84.97 | RT | CROSS WALK | | 42.9 | | | | | | | | | | |
| 8+07.10 | RT | WHITE STOP BAR | | | | | | | | | | | | |
| 8+27.22 | LT | STOP SIGN | | | | | | | | | | | | |
| 8+92.37 | RT | NO PARKING SIGN | | | | | | | | | | 6.25 | 15.0 | |
| 8+93.56 | LT | NO PARKING SIGN | | | | | | | | 5.0 | | | | |
| 9+00.00 | RT | NO PARKING SIGN | | | | | | | | 5.0 | | | | |
| 9+00.00 | LT | (R8-3) 24"x24" | | | | | | | | | | 4.0 | 14.0 | |
| 9+48.36 | RT | (R8-3) 24"x24" | | | | | | | | | | 4.0 | 14.0 | |
| 9+61.88 | LT | SOLID YELLOW | | | | | | | | | | | | |
| 9+61.88 | RT | (R2-1) 24"x30" | | 54.1 | | | | | | | | 5.0 | 14.5 | |
| 9+61.88 | RT | (R2-1) 24"x30" | | | | | | | | | | 5.0 | 14.5 | |
| 9+61.88 | LT | (R2-1) 24"x30" | | | | | | | | | | 5.0 | 14.5 | |
| | | TOTAL | 1923.8 | 272.9 | 101.1 | 2018.5 | 272.9 | 101.1 | 140.0 | 26 | 25 | 18.75 | 65.0 | 231 |

TITLE: SHILOH STATION ROAD
SCHEDULE OF QUANTITIES
10-00011-01-PV AND 11-00011-02-PV

PROJECT: SHILOH STATION ROAD
RECONSTRUCTION - PHASE 1 AND 2
VILLAGE OF SHILOH
ST. CLAIR COUNTY, ILLINOIS

| REV | DATE | DESCRIPTION |
|-----|------|-------------|
| △ | | |
| △ | | |
| △ | | |

DRAWN BY: NTS
DESIGNED BY: NTS
CHECKED BY:
APPROVED BY:
PROJECT NUMBER: T01100602

SHEET
6
OF 24 SHEETS
PROJECT DESCRIPTION:

ISSUED FOR REVIEW ISSUED FOR BIDDING
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| PROFESSIONAL STRUCTURAL ENGR. CORP. | 81-005202 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000029 |
| MISSOURI PROFESSIONAL ENGR. CORP. | MC 001528 |
| MISSOURI LAND SURVEYING CORP. | MC 000246 |

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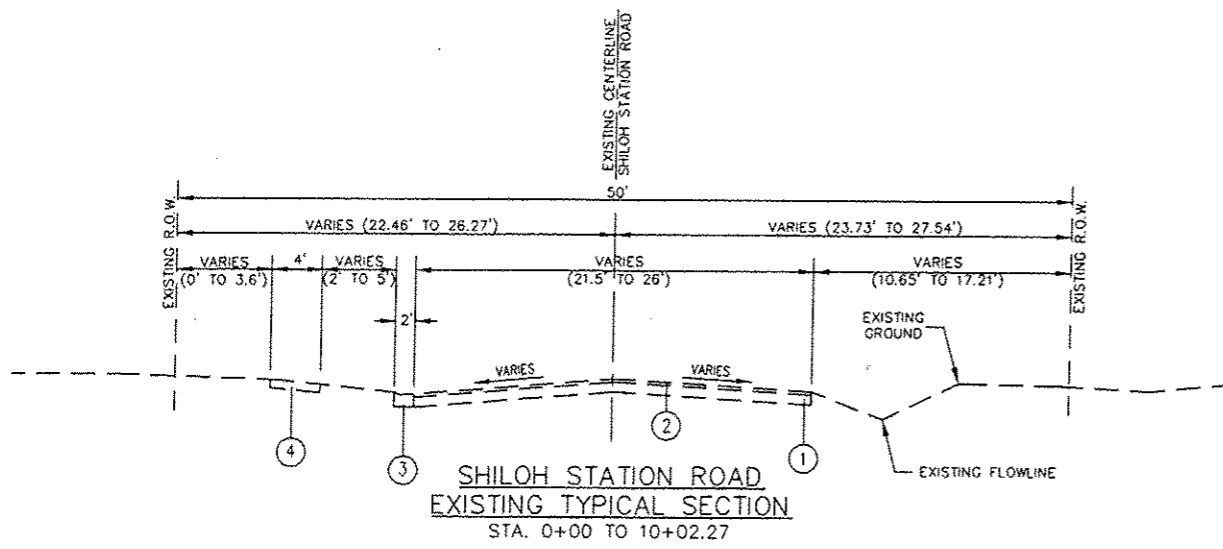
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Signature Date: _____
Expiration Date: _____
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**SHILOH STATION ROAD
TYPICAL SECTIONS
10-00011-01-PV AND 11-00011-02-PV**

**SHILOH STATION ROAD
RECONSTRUCTION - PHASE 1 AND 2
VILLAGE OF SHILOH
ST. CLAIR COUNTY, ILLINOIS**

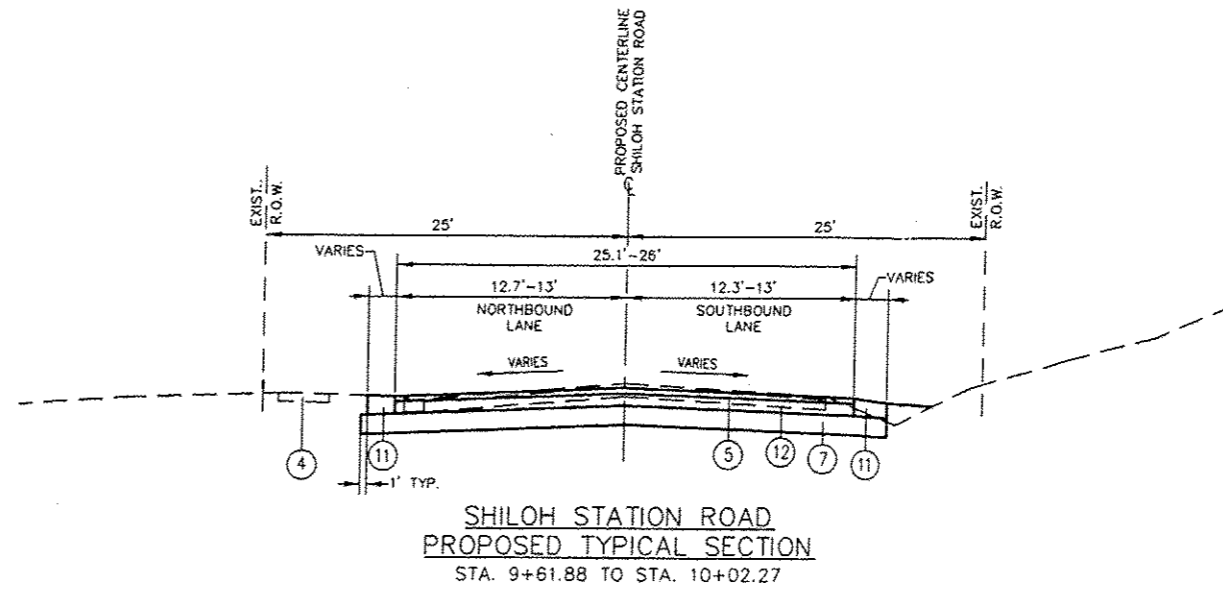
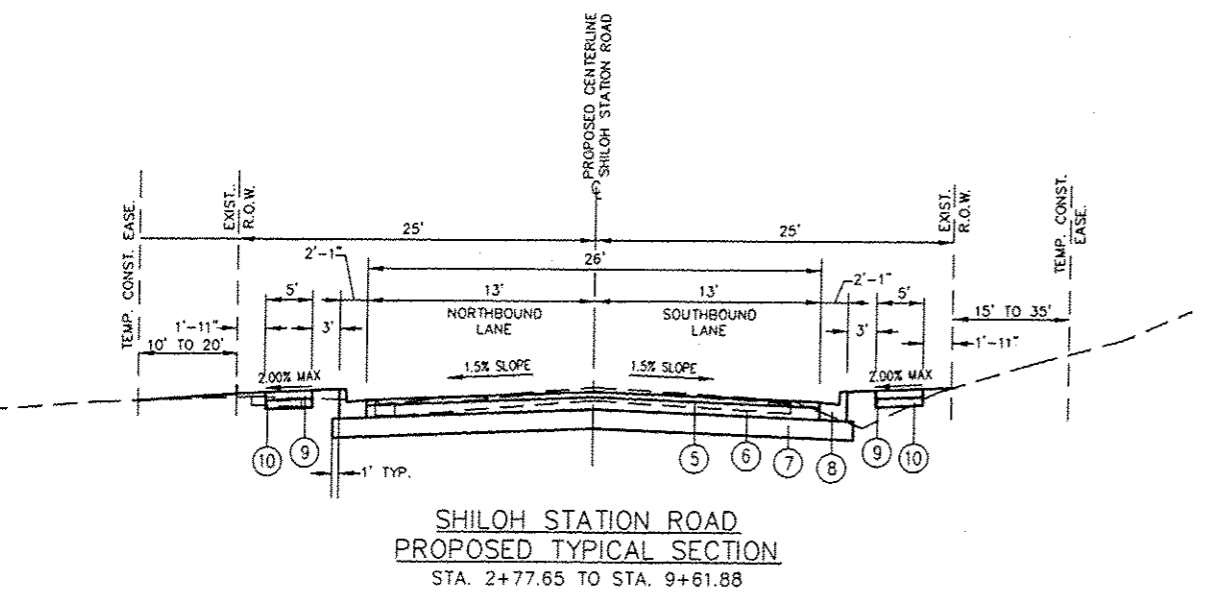
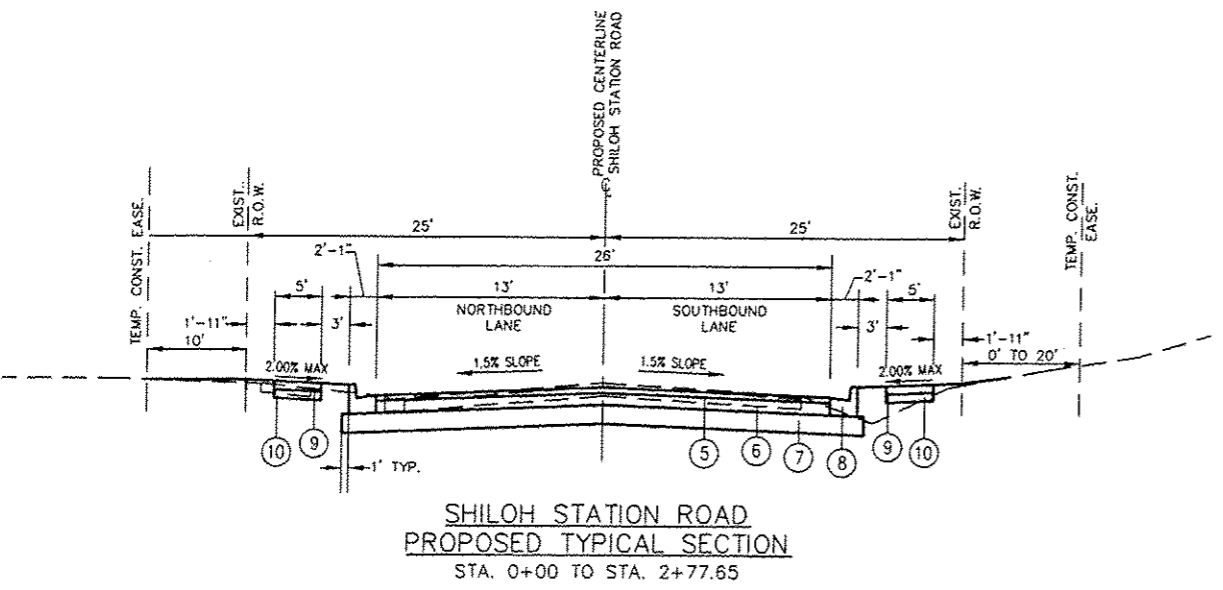
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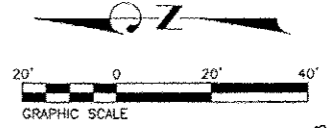
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| DESIGNED BY: NTS | 7 |
| CHECKED BY: | OF 24 SHEETS |
| APPROVED BY: | PROJECT DESCRIPTION |
| PROJECT NUMBER: T01100602 | |
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| <input type="checkbox"/> ISSUED FOR CONSTR. | <input type="checkbox"/> RECORD DRAWING |



- LEGEND**
- ① EXISTING OIL AND CHIP PAVEMENT (THICKNESS VARIES)
 - ② EXISTING 2" ASPHALT OVERLAY
 - ③ EXISTING CURB AND GUTTER TO BE REMOVED
 - ④ EXISTING SIDEWALK
 - ⑤ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70, 2"
 - ⑥ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL19.0, N70, 8 1/2"
 - ⑦ PROPOSED LIME MODIFIED SOIL, 12"
 - ⑧ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18
 - ⑨ PROPOSED P.C.C. SIDEWALK, 4"
 - ⑩ PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"
 - ⑪ AGGREGATE SHOULDERS, TYPE B, 10"
 - ⑫ 8" TYPE B, BASE COURSE

| HOT MIX ASPHALT - MIXTURE REQUIREMENTS | | | |
|--|----------------|----------------|--------------------|
| MIXTURE USE | SURFACE | BINDER | INCIDENTAL SURFACE |
| AC/PG | PG 64-22 | PG 64-22 | PG 64-22 |
| RAP % (MAX) | 10% | 15% | 10% |
| DESIGN AIR Voids | 4.0% @ Ndes=70 | 4.0% @ Ndes=70 | 4.0% @ Ndes=70 |
| MIX COMPOSITION (GRADATION MIXTURE) | | IL 19.0 | |
| FRICITION AGG | MIXTURE C | MIXTURE B | MIXTURE C |





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stcharles@twm-inc.com

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| PROFESSIONAL STRUCTURAL ENGR. CORP. | 81-065202 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000028 |
| MISSOURI PROFESSIONAL ENGR. CORP. | MC 001528 |
| MISSOURI LAND SURVEYING CORP. | MC 000346 |

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Signature Date: _____
Explanation Date: _____

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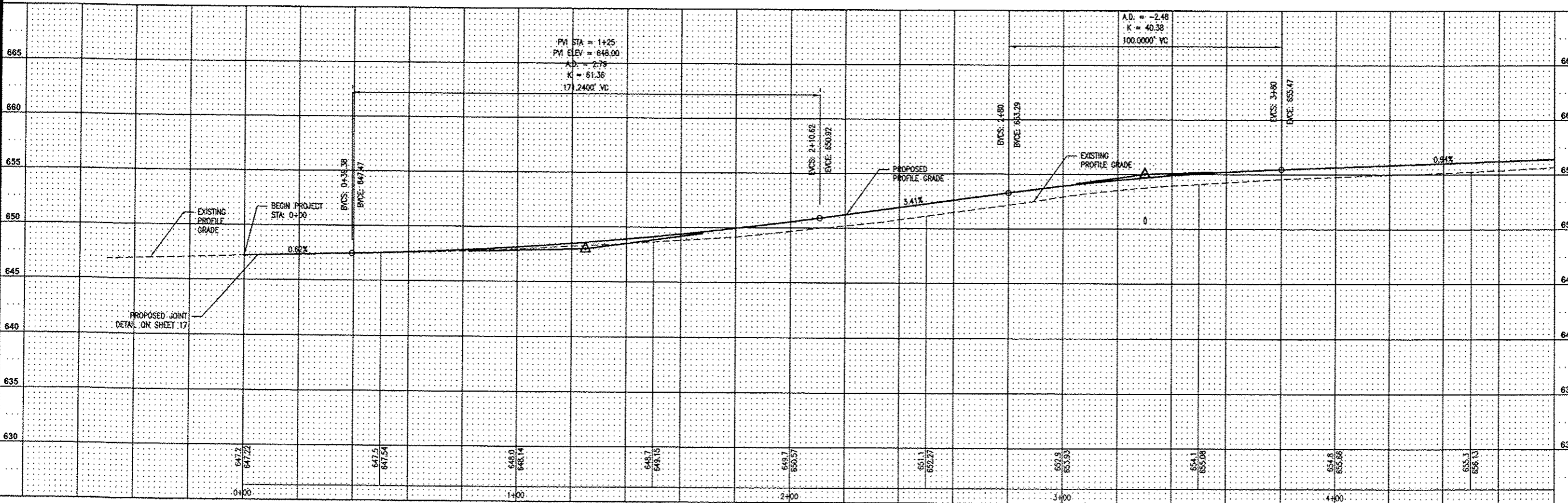
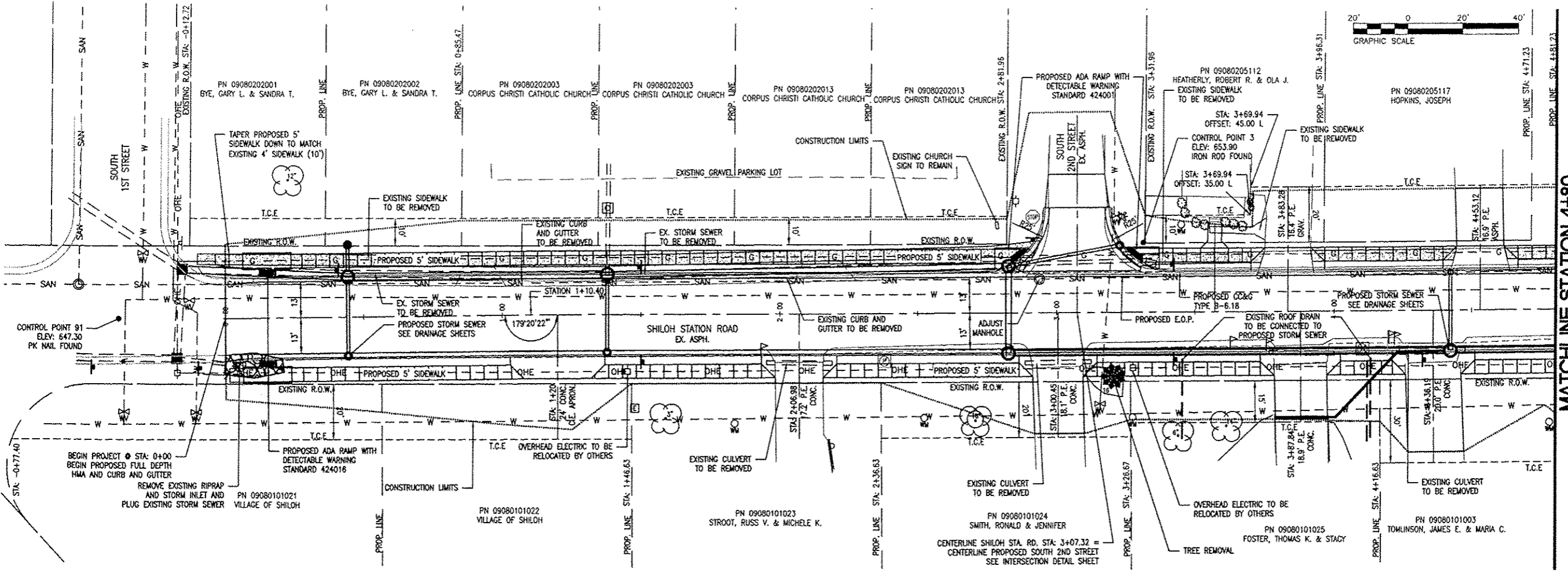
TITLE
STA: 0+00 TO STA: 4+80
PLAN AND PROFILE

PROJECT:
10-0001-01-PV AND 11-0001-02-PV

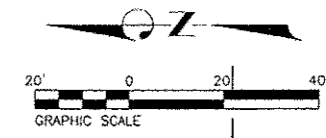
SHILOH STATION ROAD RECONSTRUCTION - PHASE 1 AND 2
VILLAGE OF SHILOH
ST. CLAIR COUNTY, ILLINOIS

| REV. | DATE | DESCRIPTION |
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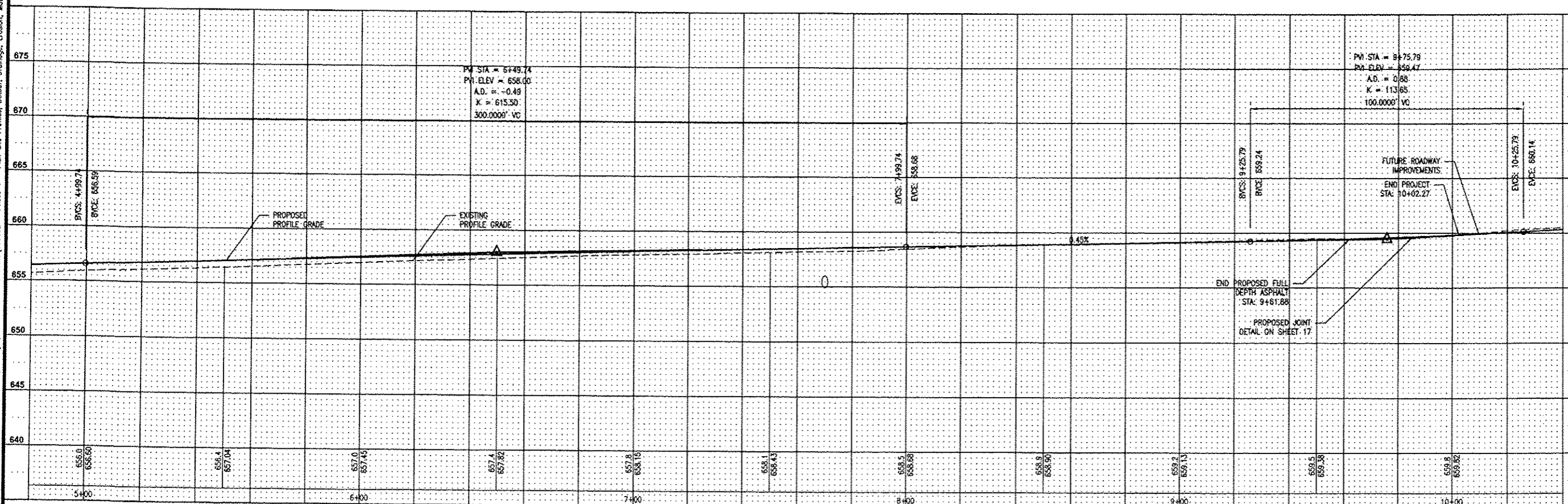
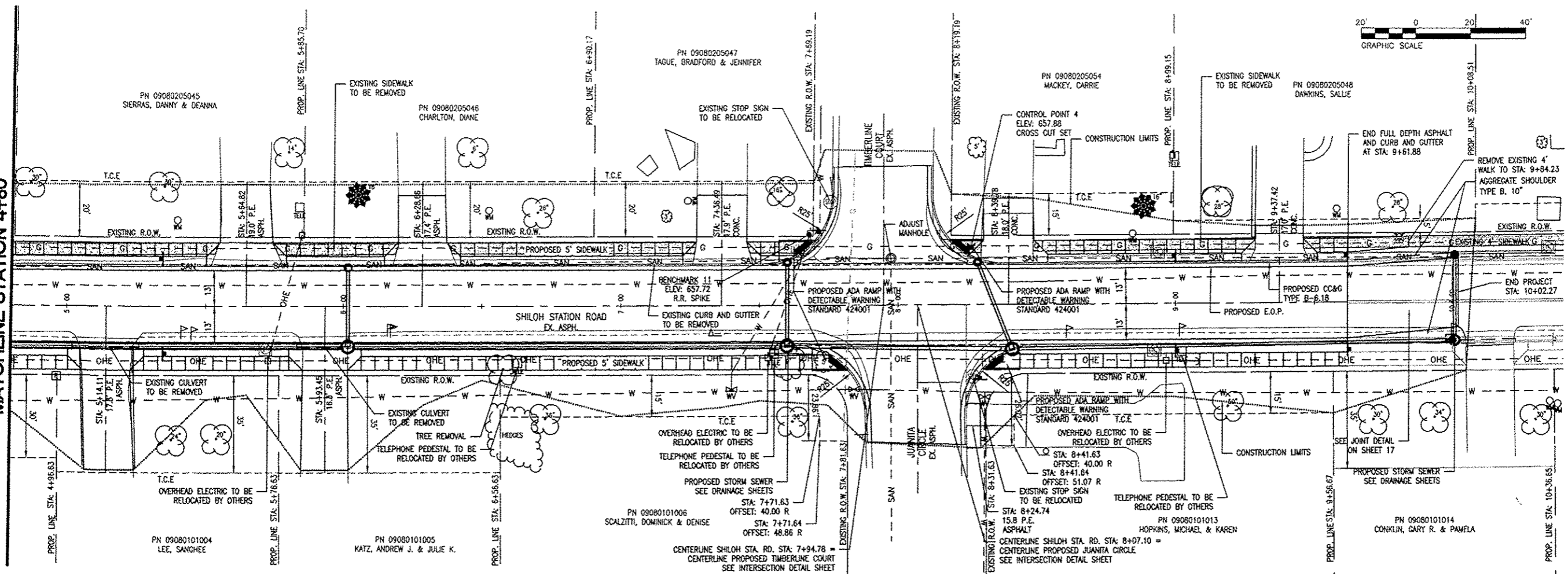
| | | |
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| CHECKED BY: _____ | | PROJECT DESCRIPTION PROJECT NUMBER T01100602 |
| APPROVED BY: _____ | | |
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P:\100602\1-CADD - DWG\1-2-TR\Drawings\Phase 1 & 2 Combined\100602 - Phase 1 - Plan and Profiles, Detail, Drainage, Erosion, Marking and Signage, Wearing.dwg



MATCHLINE STATION 4+80



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| PROFESSIONAL STRUCTURAL ENGR. CORP. | 01-06502 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-00029 |
| MISSOURI PROFESSIONAL ENGR. CORP. | NC 011528 |
| MISSOURI LAND SURVEYING CORP. | NC 000346 |

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 Expiration Date: _____

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TITLE: STA: 4+80 TO STA: 10+50
 PLAN AND PROFILE
 10-00011-01-PV AND 11-00011-02-PV

PROJECT: SHILOH STATION ROAD
 RECONSTRUCTION - PHASE 1 AND 2
 VILLAGE OF SHILOH
 ST. CLAIR COUNTY, ILLINOIS

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |

| | |
|------------------|-----------------------------------|
| DRAWN BY: NTS | SHEET 9 OF 24 SHEETS |
| DESIGNED BY: NTS | |
| CHECKED BY: | PROJECT DESCRIPTION |
| APPROVED BY: | PROJECT NUMBER: T01100602 |

ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR. RECORD DRAWING

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| PROFESSIONAL REGISTRATIONS | LICENSE NO. |
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| ILLINOIS PROFESSIONAL DESIGN FIRM | 194-031220 |
| PROFESSIONAL ENGINEERING CORP. | 02-033370 |
| PROFESSIONAL STRUCTURAL ENGR. CORP. | 01-005202 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000028 |
| MISSOURI PROFESSIONAL ENGR. CORP. | MO 001528 |
| MISSOURI LAND SURVEYING CORP. | MO 000346 |

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TITLE: SHILOH STATION ROAD DETOUR PLAN
10-00011-01-PV AND 11-00011-02-PV

PROJECT: SHILOH STATION ROAD RECONSTRUCTION - PHASE 1 AND 2 VILLAGE OF SHILOH ST. CLAIR COUNTY, ILLINOIS

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
| | | |
| | | |
| | | |

DRAWN BY: NTS **SHEET** 10 **OF 24 SHEETS**

DESIGNED BY: NTS

CHECKED BY: _____

APPROVED BY: _____

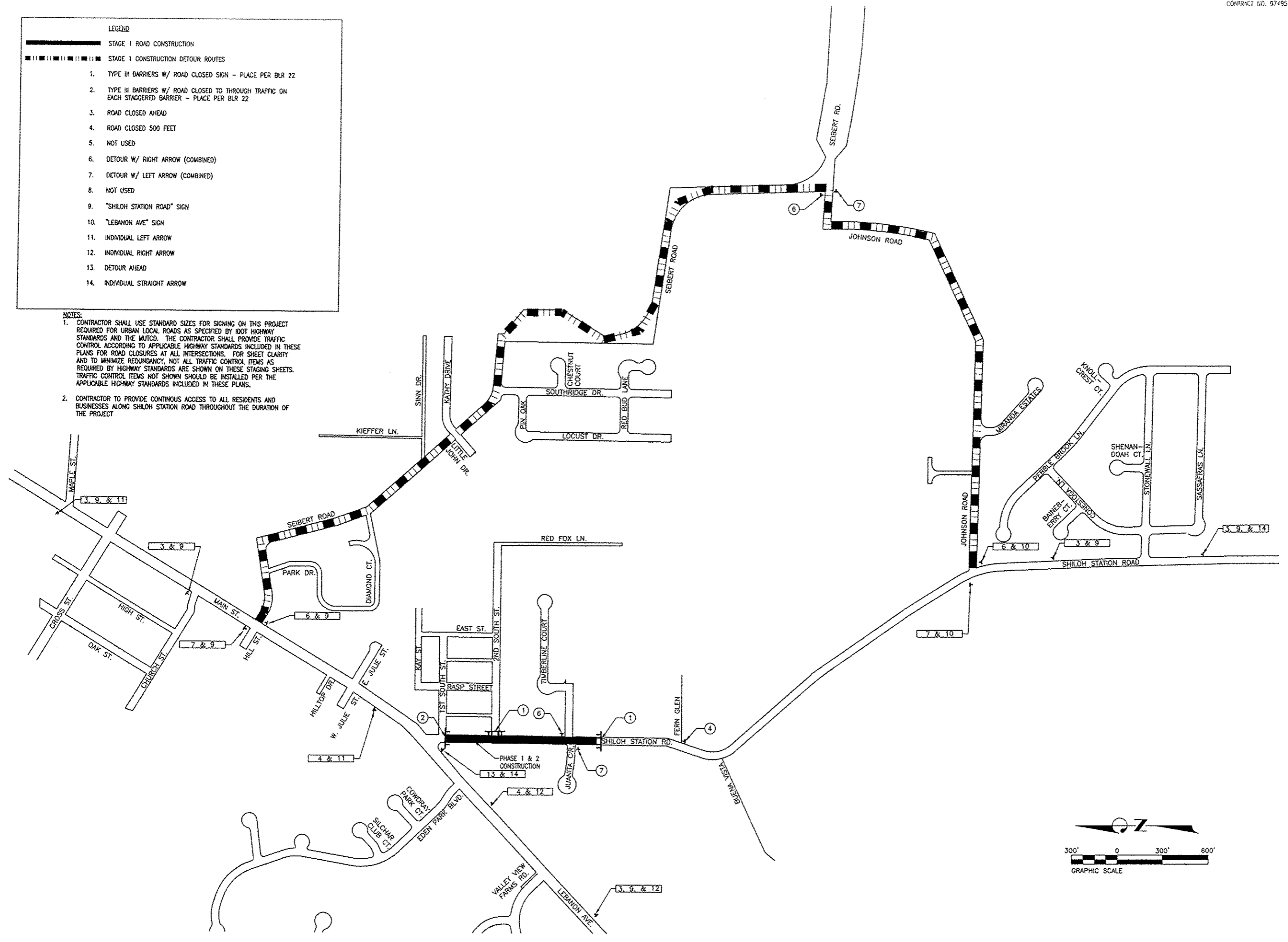
PROJECT NUMBER: T01100602

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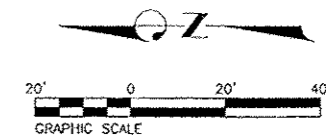
- LEGEND**
- STAGE 1 ROAD CONSTRUCTION
 - ▬ STAGE 1 CONSTRUCTION DETOUR ROUTES
1. TYPE III BARRIERS W/ ROAD CLOSED SIGN - PLACE PER BLR 22
 2. TYPE III BARRIERS W/ ROAD CLOSED TO THROUGH TRAFFIC ON EACH STAGGERED BARRIER - PLACE PER BLR 22
 3. ROAD CLOSED AHEAD
 4. ROAD CLOSED 500 FEET
 5. NOT USED
 6. DETOUR W/ RIGHT ARROW (COMBINED)
 7. DETOUR W/ LEFT ARROW (COMBINED)
 8. NOT USED
 9. "SHILOH STATION ROAD" SIGN
 10. "LEBANON AVE" SIGN
 11. INDIVIDUAL LEFT ARROW
 12. INDIVIDUAL RIGHT ARROW
 13. DETOUR AHEAD
 14. INDIVIDUAL STRAIGHT ARROW

NOTES:

1. CONTRACTOR SHALL USE STANDARD SIZES FOR SIGNING ON THIS PROJECT REQUIRED FOR URBAN LOCAL ROADS AS SPECIFIED BY IDOT HIGHWAY STANDARDS AND THE MUTCD. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL ACCORDING TO APPLICABLE HIGHWAY STANDARDS INCLUDED IN THESE PLANS FOR ROAD CLOSURES AT ALL INTERSECTIONS. FOR SHEET CLARITY AND TO MINIMIZE REDUNDANCY, NOT ALL TRAFFIC CONTROL ITEMS AS REQUIRED BY HIGHWAY STANDARDS ARE SHOWN ON THESE STAGING SHEETS. TRAFFIC CONTROL ITEMS NOT SHOWN SHOULD BE INSTALLED PER THE APPLICABLE HIGHWAY STANDARDS INCLUDED IN THESE PLANS.
2. CONTRACTOR TO PROVIDE CONTINUOUS ACCESS TO ALL RESIDENTS AND BUSINESSES ALONG SHILOH STATION ROAD THROUGHOUT THE DURATION OF THE PROJECT



P:\100602\1-C400 - DWG\1-2-TR\Drawings\Phase 1 & 2 Combined\100602 - Phase 1 - Plan and Profiles, Detour, Drainage, Erection, Marking and Signage, Wpding.dwg



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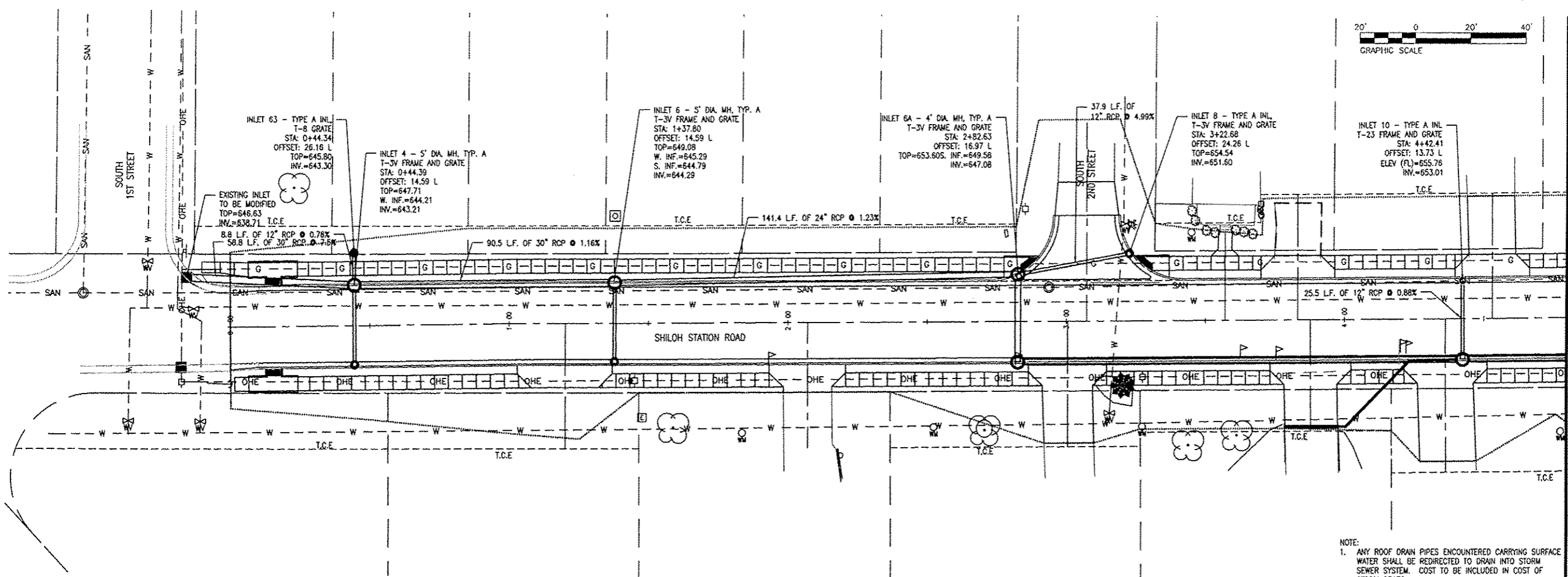
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stlouis@twm-inc.com

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|-------------------------------------|-------------|
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| PROFESSIONAL STRUCTURAL ENGR. CORP. | 81-005292 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000029 |
| MISSOURI PROFESSIONAL ENGR. CORP. | MC 001528 |
| MISSOURI LAND SURVEYING CORP. | MC 060346 |

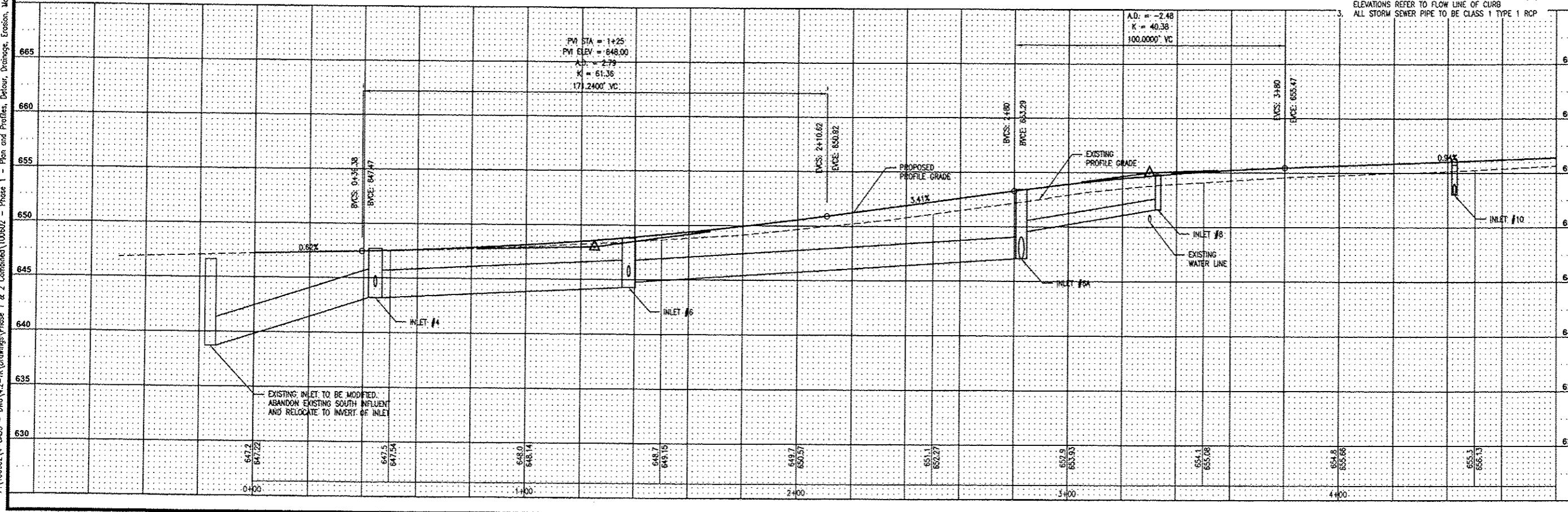
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MATCHLINE STATION 4+80



- NOTE:**
- ANY ROOF DRAIN PIPES ENCOUNTERED CARRYING SURFACE WATER SHALL BE REDIRECTED TO DRAIN INTO STORM SEWER SYSTEM. COST TO BE INCLUDED IN COST OF STORM SEWER.
 - TOP ELEVATIONS REFER TO BACK OF CURB; ELEV (FL) ELEVATIONS REFER TO FLOW LINE OF CURB
 - ALL STORM SEWER PIPE TO BE CLASS 1 TYPE 1 RCP



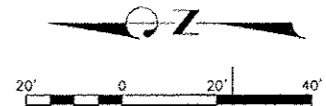
STA: 0+00 TO STA: 4+80
DRAINAGE PLAN AND EAST PROFILE
10-0001-01-PV AND 11-0001-02-PV

PROJECT:
SHILOH STATION ROAD
RECONSTRUCTION - PHASE 1 AND 2
VILLAGE OF SHILOH
ST. CLAIR COUNTY, ILLINOIS

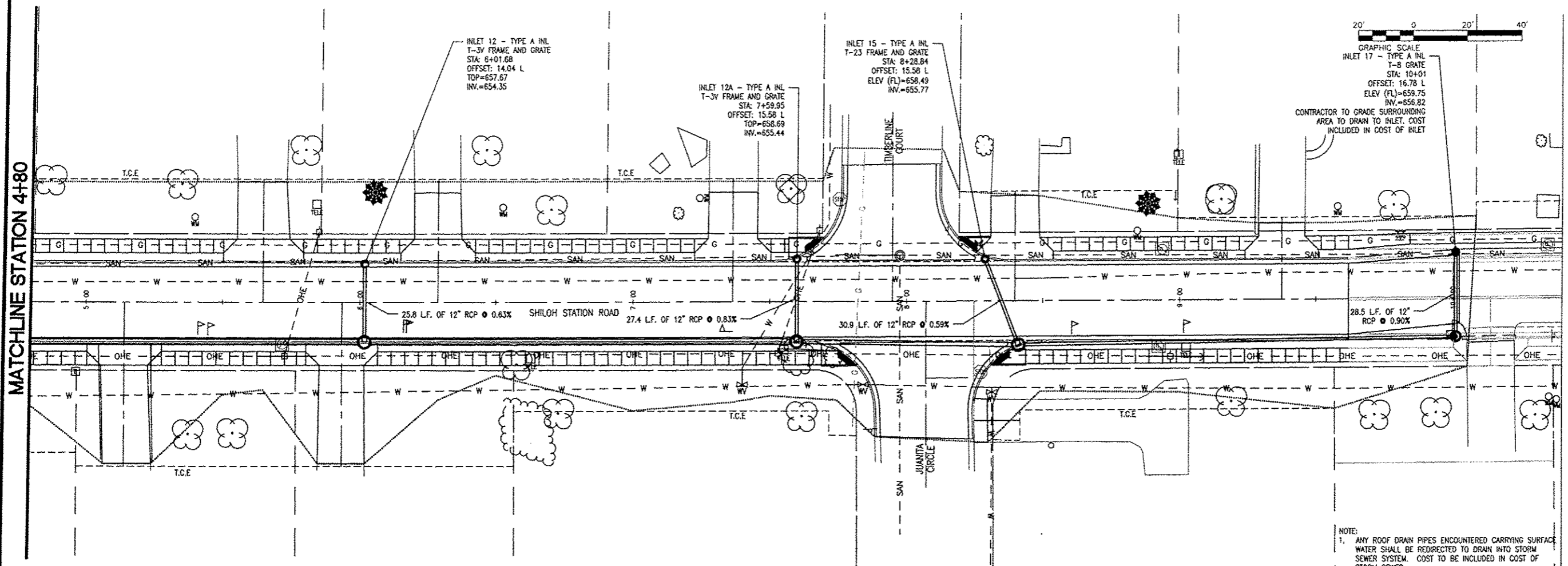
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| DESIGNED BY: NTS | |
| CHECKED BY: | PROJECT DESCRIPTION |
| APPROVED BY: | PROJECT NUMBER |
| PROJECT NUMBER: TO1100602 | |
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MATCHLINE STATION 4+80



INLET 12 - TYPE A INL
T-3Y FRAME AND GRATE
STA: 6+01.68
OFFSET: 14.04 L
TOP=657.67
INV.=654.35

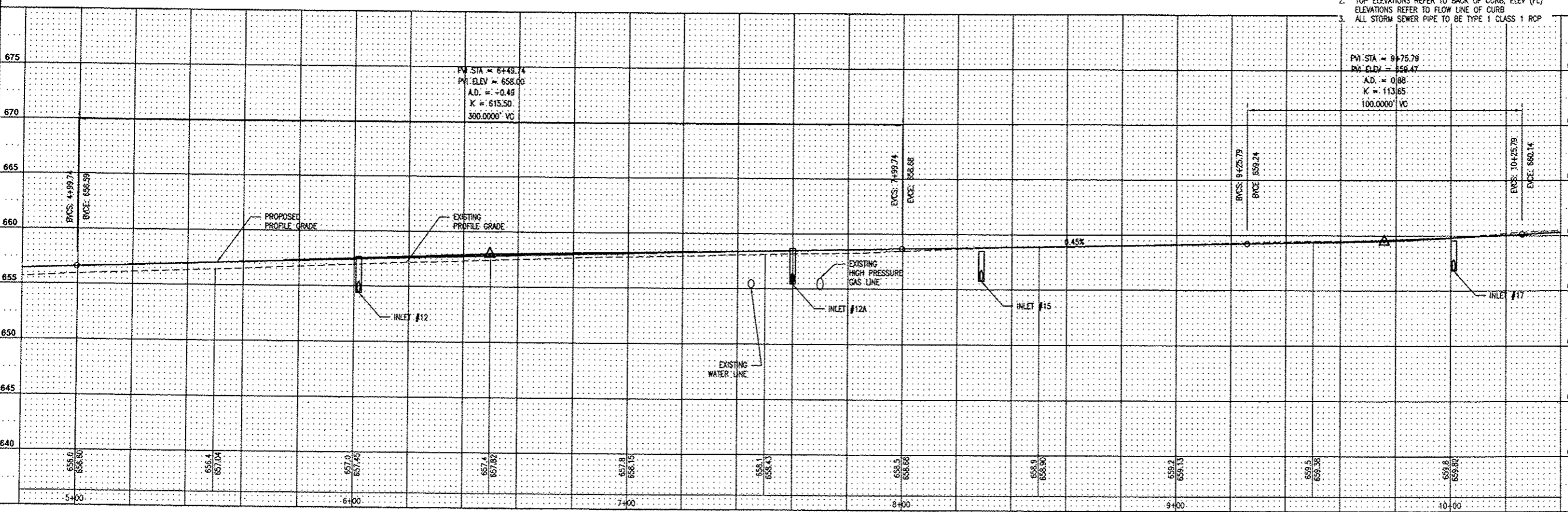
INLET 12A - TYPE A INL
T-3Y FRAME AND GRATE
STA: 7+59.95
OFFSET: 15.58 L
TOP=658.69
INV.=655.44

INLET 15 - TYPE A INL
T-23 FRAME AND GRATE
STA: 8+28.84
OFFSET: 15.58 L
ELEV (FL)=658.49
INV.=655.77

INLET 17 - TYPE A INL
T-8 GRATE
STA: 10+01
OFFSET: 16.78 L
ELEV (FL)=659.75
INV.=656.82
CONTRACTOR TO GRADE SURROUNDING
AREA TO DRAIN TO INLET. COST
INCLUDED IN COST OF INLET

25.8 L.F. OF 12" RCP @ 0.63%
27.4 L.F. OF 12" RCP @ 0.83%
30.9 L.F. OF 12" RCP @ 0.59%
28.5 L.F. OF 12" RCP @ 0.90%

- NOTE:
- ANY ROOF DRAIN PIPES ENCOUNTERED CARRYING SURFACE WATER SHALL BE REDIRECTED TO DRAIN INTO STORM SEWER SYSTEM. COST TO BE INCLUDED IN COST OF STORM SEWER.
 - TOP ELEVATIONS REFER TO BACK OF CURB; ELEV (FL) ELEVATIONS REFER TO FLOW LINE OF CURB
 - ALL STORM SEWER PIPE TO BE TYPE 1 CLASS 1 RCP



PVI STA = 6+49.74
PVI ELEV = 658.00
A.D. = -0.48
K = 615.50
300.0000' VC

PVI STA = 9+75.78
PVI ELEV = 659.47
A.D. = 0.88
K = 113.65
100.0000' VC

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| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000028 |
| MISSOURI PROFESSIONAL ENGR. CORP. | NC 011518 |
| MISSOURI LAND SURVEYING CORP. | NC 000346 |

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Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY

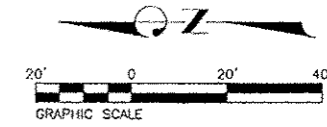
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TITLE: STA: 4+80 TO STA: 10+50
DRAINAGE PLAN AND EAST PROFILE
10-00011-01-PV AND 11-00011-02-PV

PROJECT: SHILOH STATION ROAD
RECONSTRUCTION
VILLAGE OF SHILOH
ST. CLAIR COUNTY, ILLINOIS

| REV. | DATE | DESCRIPTION |
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| DESIGNED BY: NTS | OF 24 SHEETS |
| CHECKED BY: | PROJECT DESCRIPTION |
| APPROVED BY: | PROJECT NUMBER T01100602 |
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| ILLINOIS PROFESSIONAL DESIGN FIRM | 164-001220 |
| PROFESSIONAL ENGINEERING CORP. | 62-035370 |
| PROFESSIONAL STRUCTURAL ENGR. CORP. | 81-005202 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000029 |
| MISSOURI PROFESSIONAL ENR. CORP. | HC 001528 |
| MISSOURI LAND SURVEYING CORP. | HC 000346 |

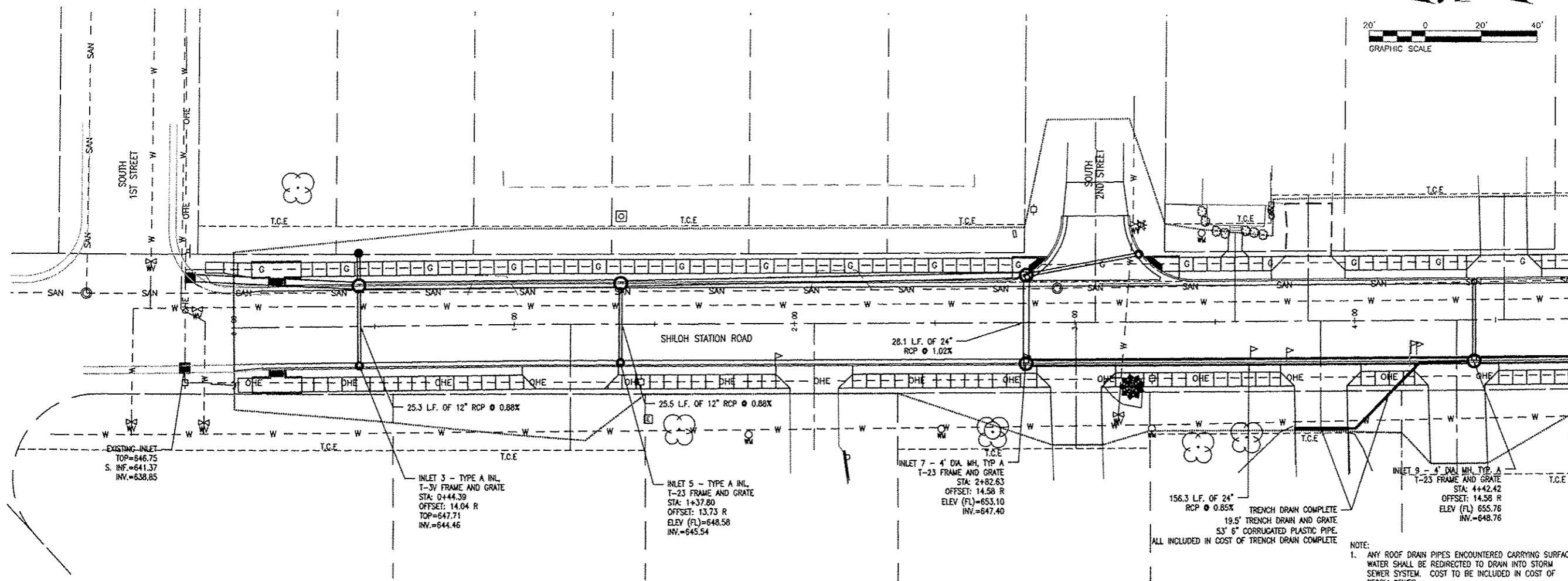
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Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY

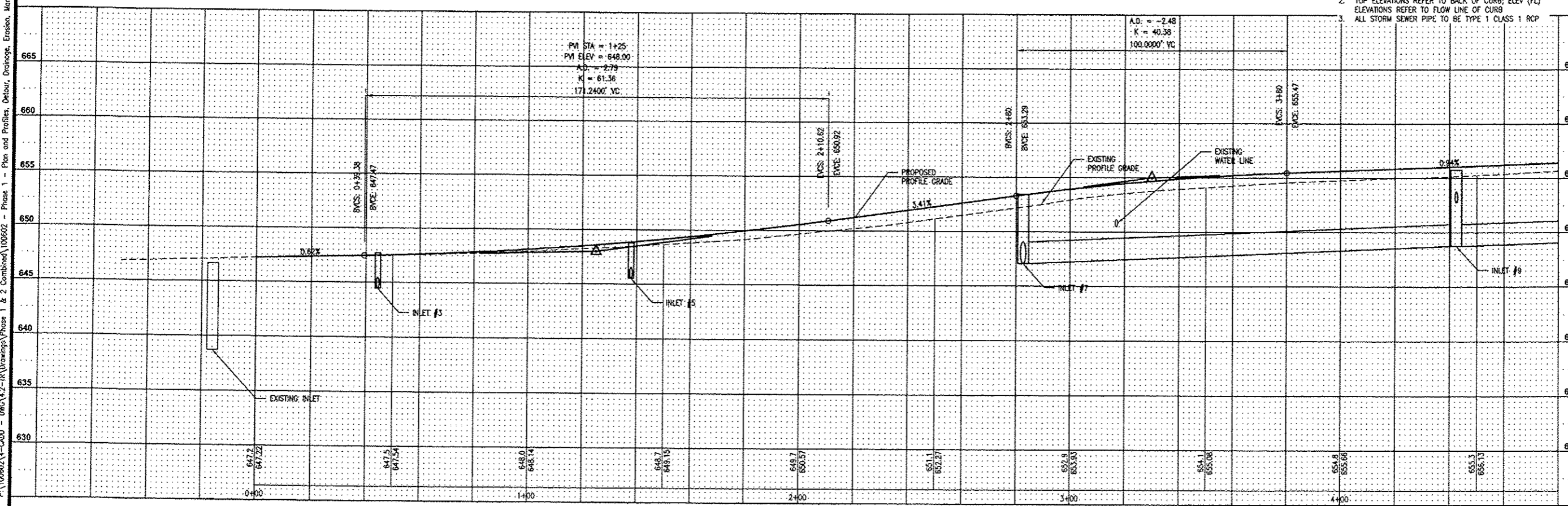
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MATCHLINE STATION 4+80



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 - TOP ELEVATIONS REFER TO BACK OF CURB; ELEV (FL) ELEVATIONS REFER TO FLOW LINE OF CURB
 - ALL STORM SEWER PIPE TO BE TYPE 1 CLASS 1 RCP

P:\100602\4-CAD - DWG\4.2-TR Drawings\Phase 1 & 2 Combined\100602 - Phase 1 - Plan and Profiles, Detail, Drainage, Erosion, Marking and Signage, Mapping.dwg

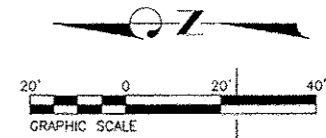


TITLE: STA: 0+00 TO STA: 4+80
DRAINAGE PLAN AND WEST PROFILE
10-0001-01-PV AND 11-00011-02-PV

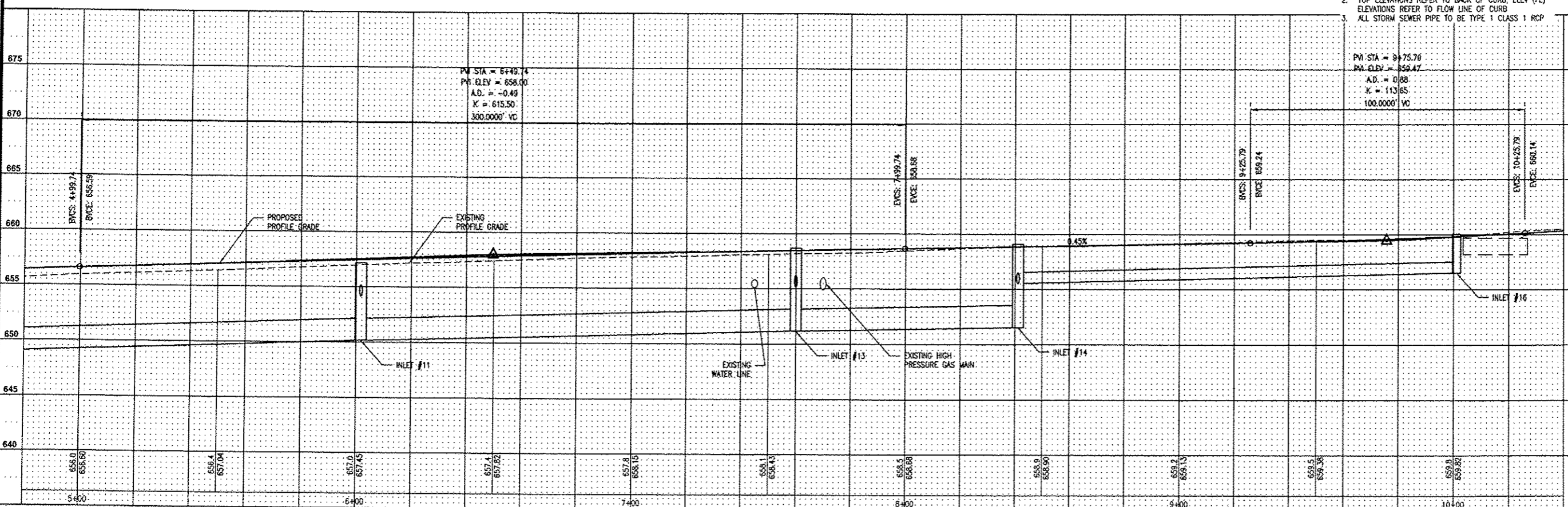
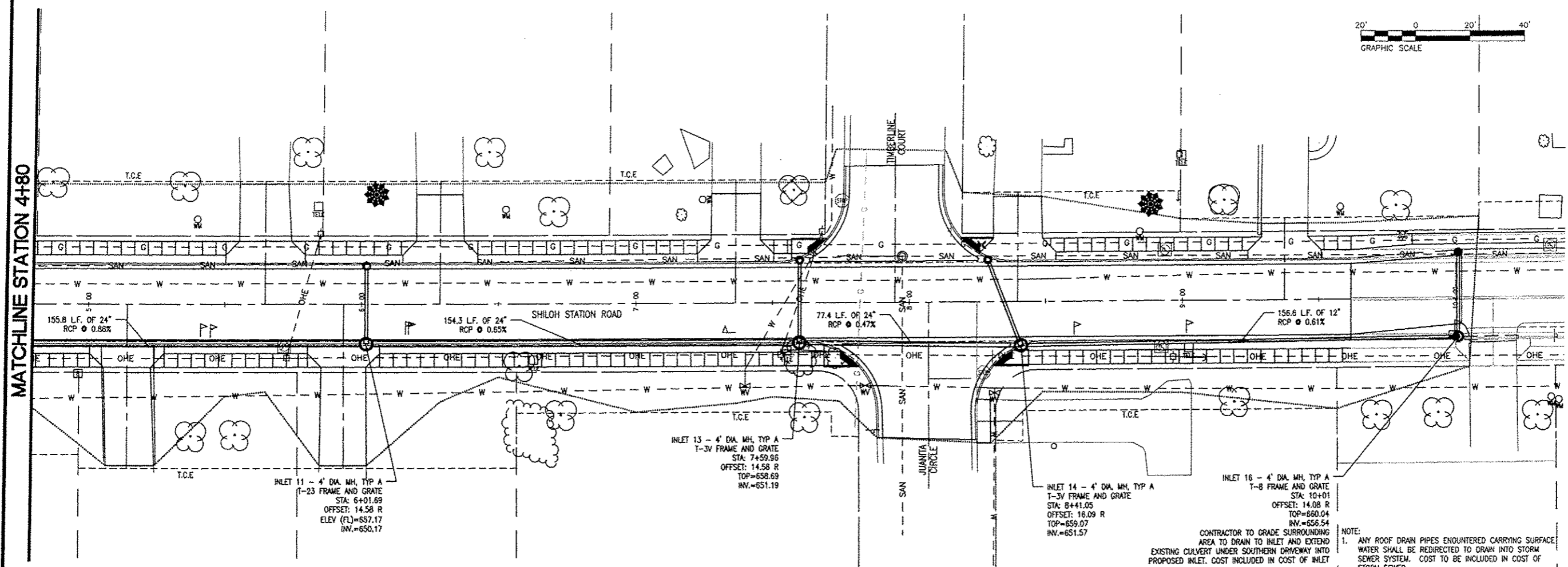
PROJECT: SHILOH STATION ROAD
RECONSTRUCTION - PHASE 1 AND 2
VILLAGE OF SHILOH
ST. CLAIR COUNTY, ILLINOIS

| REV. | DATE | DESCRIPTION |
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| DRAWN BY: NTS | SHEET |
| DESIGNED BY: NTS | 13 |
| CHECKED BY: | OF 24 SHEETS |
| APPROVED BY: | PROJECT DESCRIPTION |
| PROJECT NUMBER: T01100602 | |
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| <input type="checkbox"/> ISSUED FOR CONSTR. | <input type="checkbox"/> RECORD DRAWING |



MATCHLINE STATION 4+80



CONTRACTOR TO GRADE SURROUNDING AREA TO DRAIN TO INLET AND EXTEND EXISTING CULVERT UNDER SOUTHERN DRIVEWAY INTO PROPOSED INLET. COST INCLUDED IN COST OF INLET.

- NOTE:
1. ANY ROOF DRAIN PIPES ENCOUNTERED CARRYING SURFACE WATER SHALL BE REDIRECTED TO DRAIN INTO STORM SEWER SYSTEM. COST TO BE INCLUDED IN COST OF STORM SEWER.
 2. TOP ELEVATIONS REFER TO BACK OF CURB; ELEV (FL) ELEVATIONS REFER TO FLOW LINE OF CURB
 3. ALL STORM SEWER PIPE TO BE TYPE 1 CLASS 1 RCP

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| PROFESSIONAL STRUCTURAL ENGR. CORP. | 81-005202 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000029 |
| MISSOURI PROFESSIONAL ENGR. CORP. | MC 001528 |
| MISSOURI LAND SURVEYING CORP. | MC 000346 |

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TITLE: STA: 4+80 TO STA: 10+50
 DRAINAGE PLAN AND WEST PROFILE
 10-00011-01-PV AND 11-00011-02-PV

PROJECT: SHILOH STATION ROAD
 RECONSTRUCTION - PHASE 1 AND 2
 VILLAGE OF SHILOH
 ST. CLAIR COUNTY, ILLINOIS

| REV | DATE | DESCRIPTION |
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| DRAWN BY: NTS | SHEET 14 OF 24 SHEETS |
| DESIGNED BY: NTS | |
| CHECKED BY: | PROJECT DESCRIPTION TO1100602 |
| APPROVED BY: | |
| PROJECT NUMBER | |
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| ILLINOIS PROFESSIONAL LAND SURVEYING CORP. | 048-000229 |
| MISSOURI PROFESSIONAL ENGINEER CORP. | MC 001528 |
| MISSOURI LAND SURVEYING CORP. | MC 000346 |

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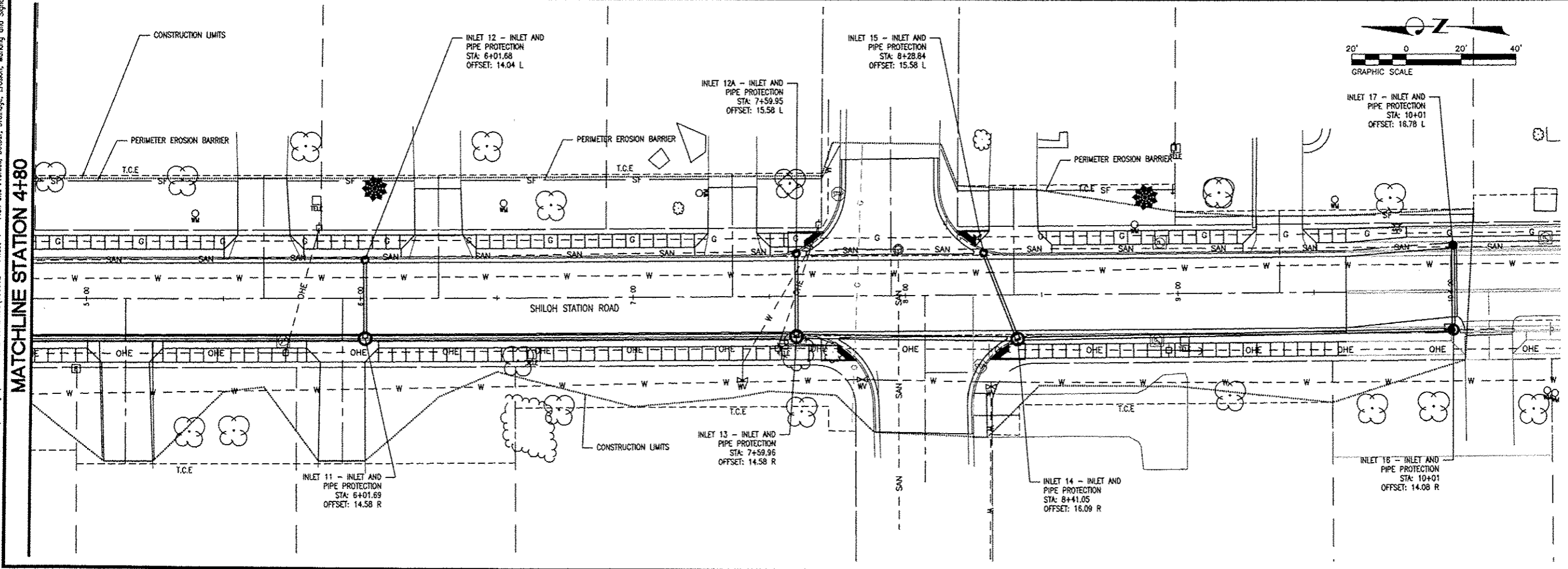
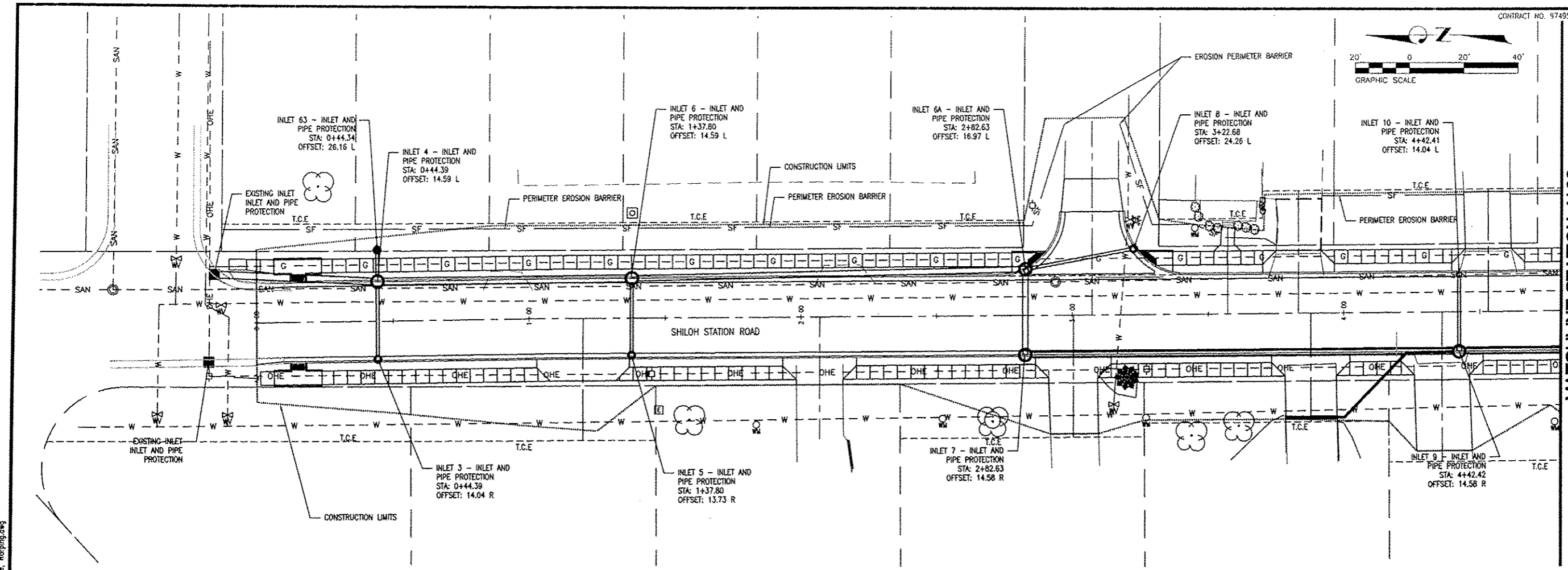
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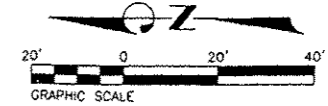
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EROSION CONTROL PLAN
10-00011-01-PV AND 11-00011-02-PV
PROJECT: SHILOH STATION ROAD
RECONSTRUCTION - PHASE 1 AND 2
VILLAGE OF SHILOH
ST. CLAIR COUNTY, ILLINOIS

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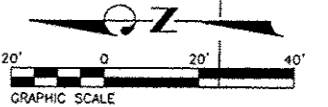
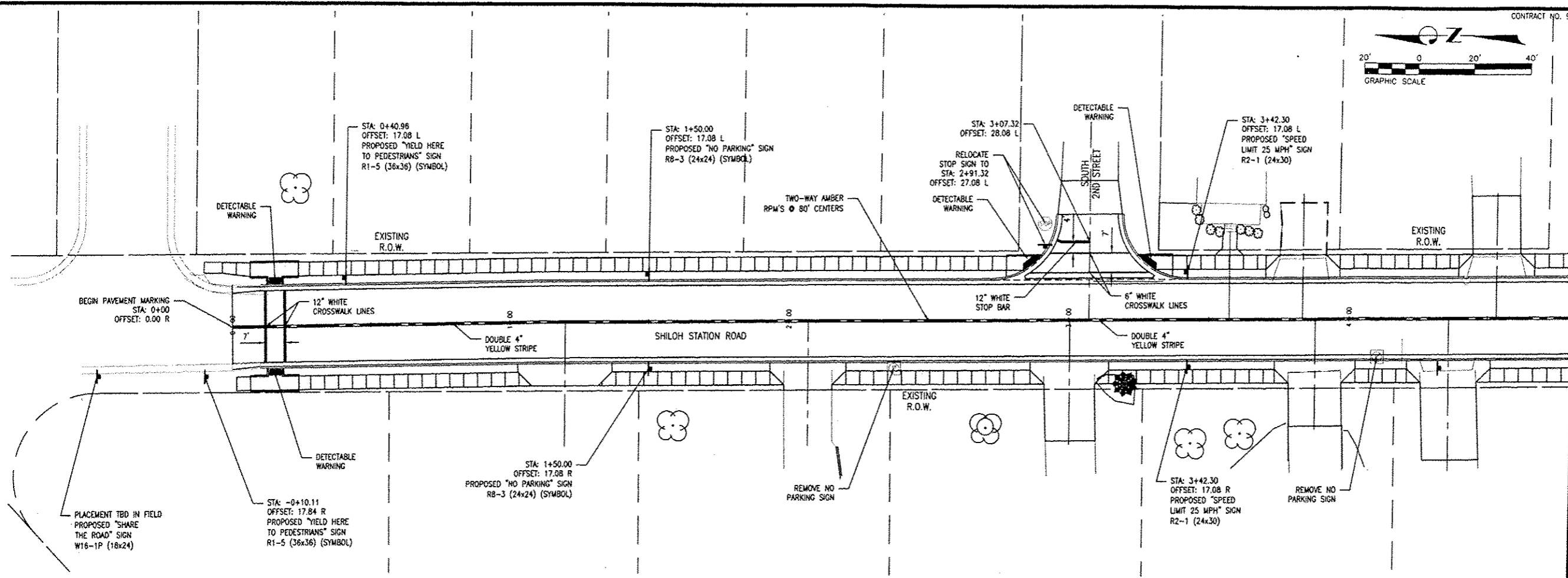
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MATCHLINE STATION 4+80

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| PROFESSIONAL STRUCTURAL ENGR. CORP. | 81-005202 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000020 |
| MISSOURI PROFESSIONAL ENGR. CORP. | MC 001528 |
| MISSOURI LAND SURVEYING CORP. | MC 000346 |

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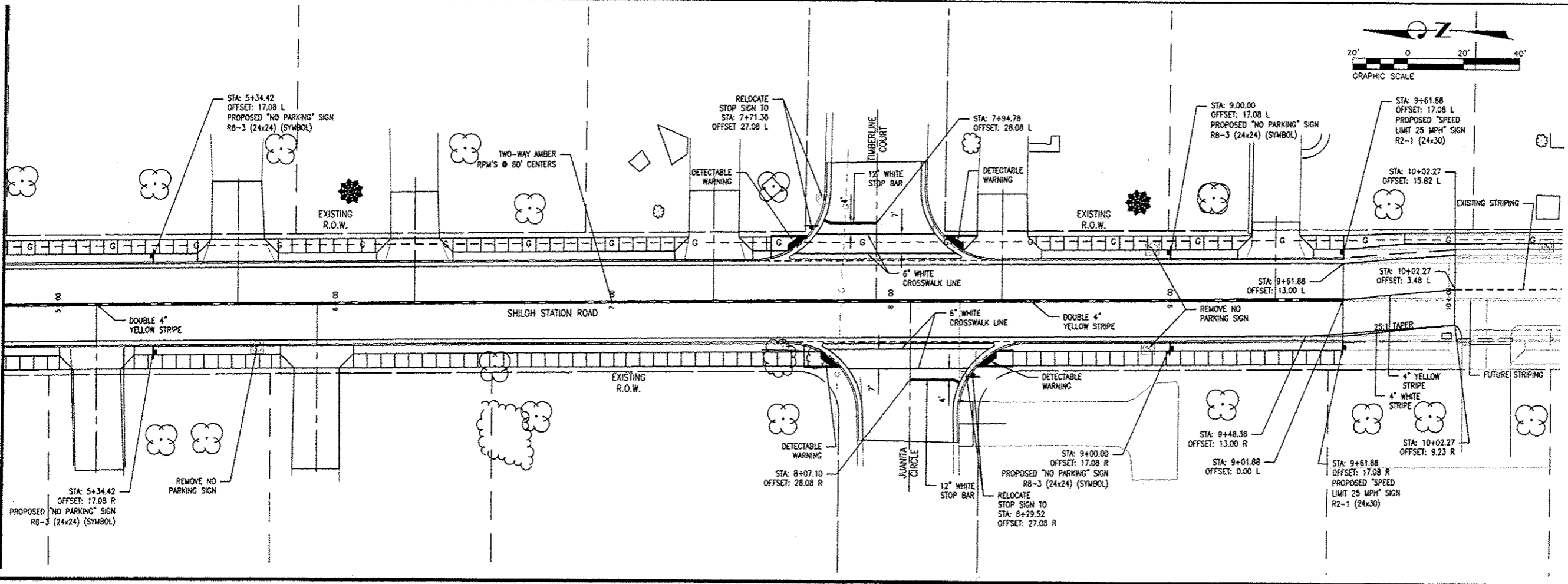


TITLE
 SHILOH STATION ROAD
 PAV. MARKING AND SIGNAGE
 10-00011-01-PV AND 11-00011-02-PV

PROJECT
 SHILOH STATION ROAD
 RECONSTRUCTION - PHASE 1 AND 2
 VILLAGE OF SHILOH
 ST. CLAIR COUNTY, ILLINOIS

| REV | DATE | DESCRIPTION |
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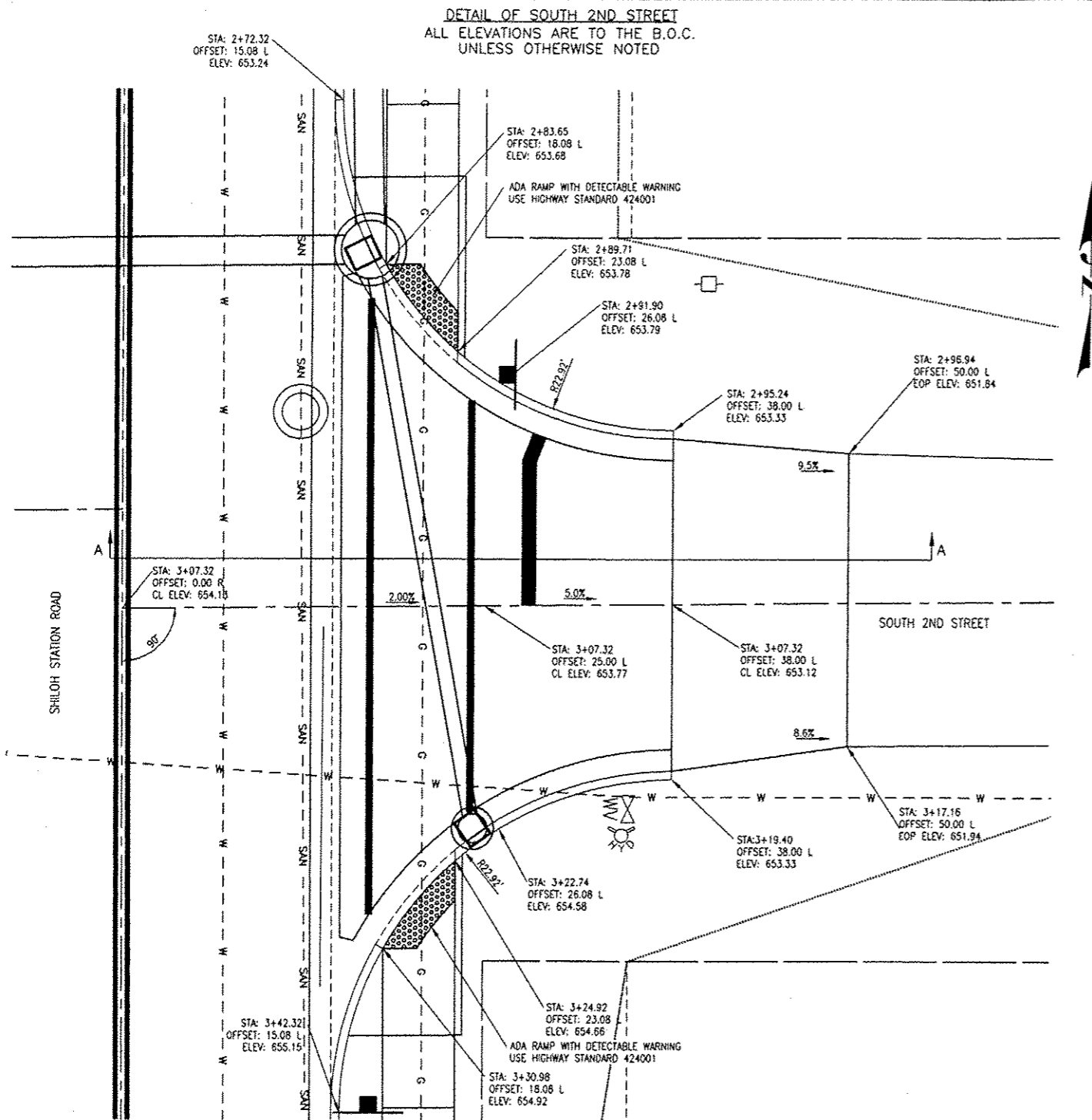
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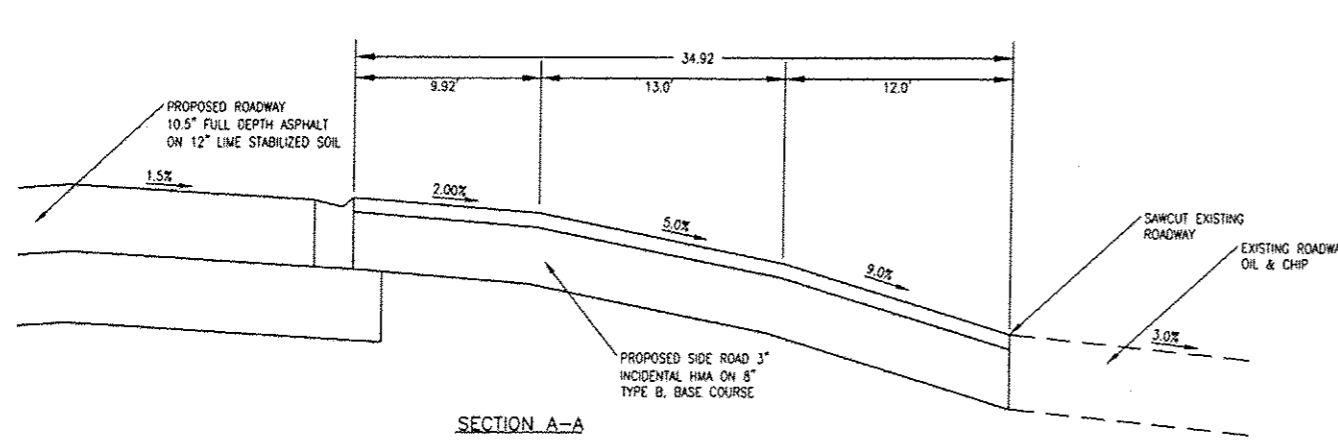
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MATCHLINE STATION 4+80

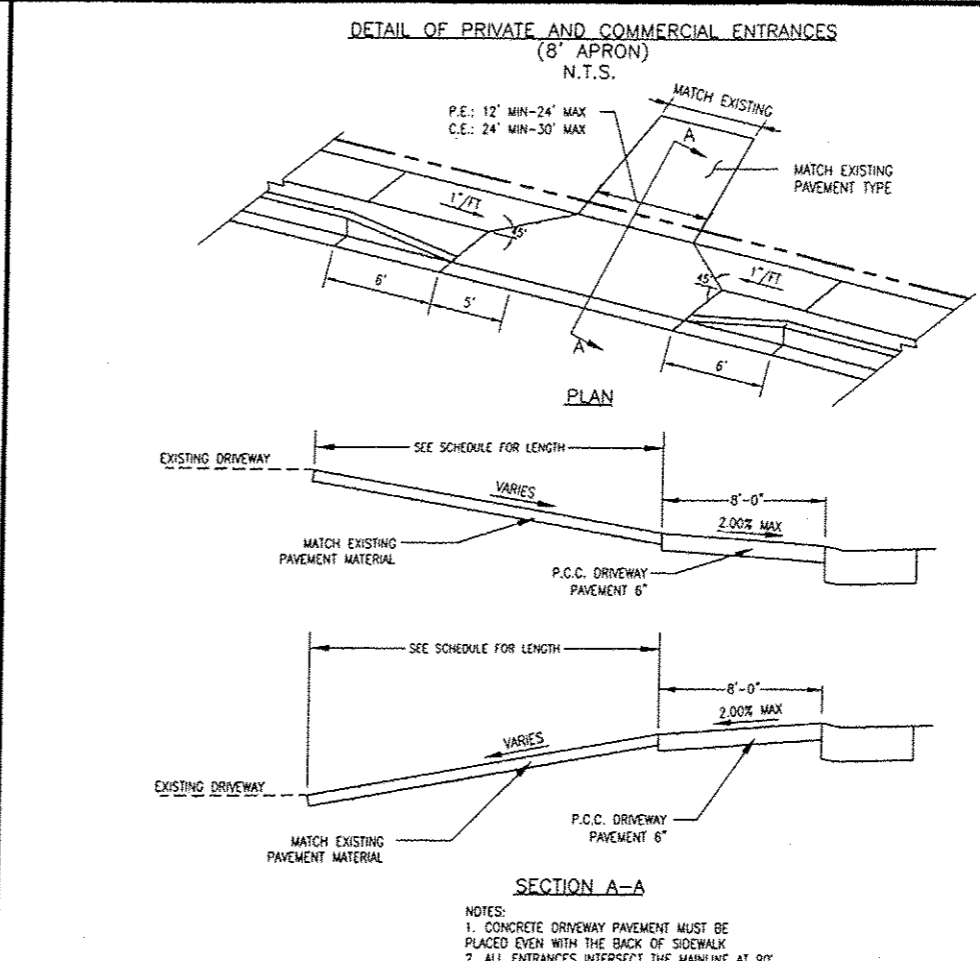
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DETAIL OF SOUTH 2ND STREET
ALL ELEVATIONS ARE TO THE B.O.C.
UNLESS OTHERWISE NOTED

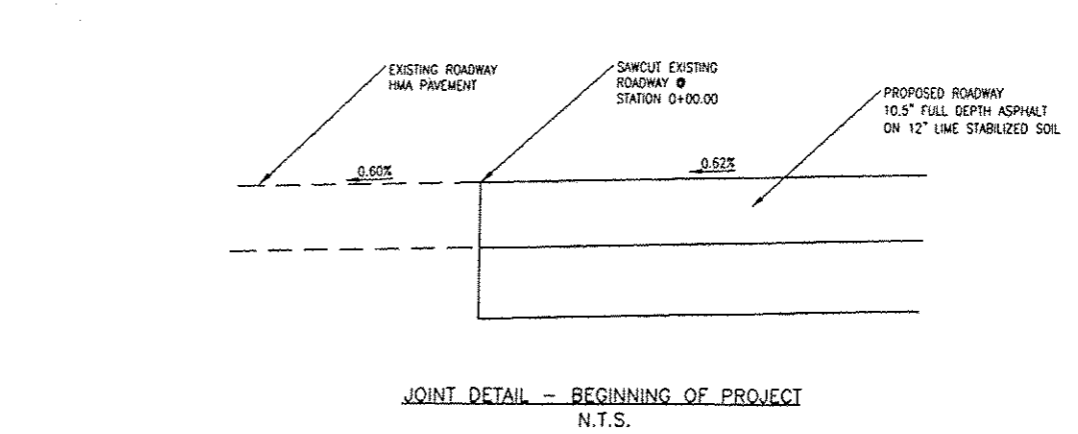


SECTION A-A

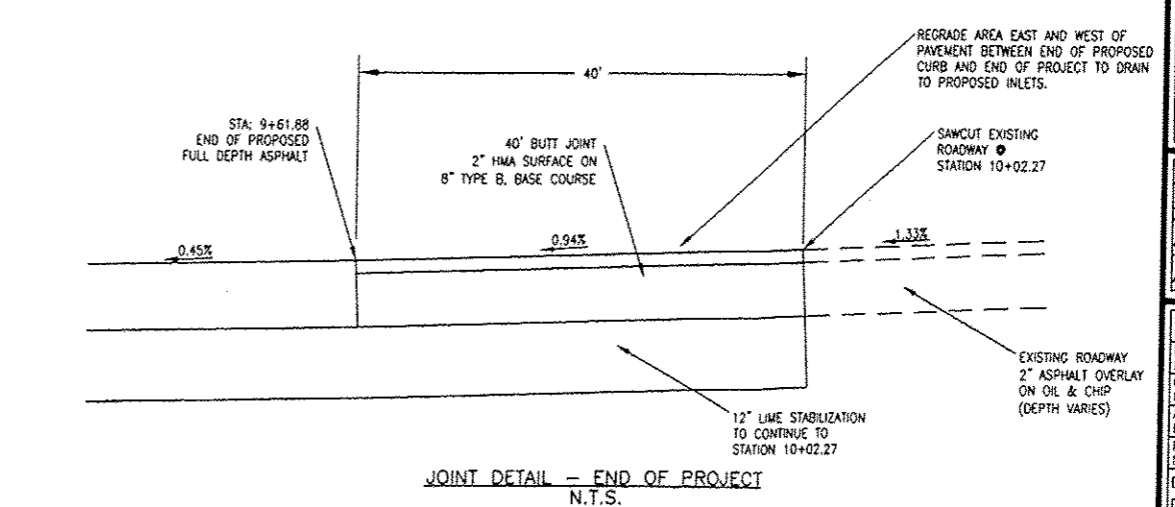


DETAIL OF PRIVATE AND COMMERCIAL ENTRANCES
(8' APRON)
N.T.S.

NOTES:
1. CONCRETE DRIVEWAY PAVEMENT MUST BE PLACED EVEN WITH THE BACK OF SIDEWALK
2. ALL ENTRANCES INTERSECT THE MAINLINE AT 90°



JOINT DETAIL - BEGINNING OF PROJECT
N.T.S.



JOINT DETAIL - END OF PROJECT
N.T.S.

CONTRACT NO. 97495

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| PROFESSIONAL STRUCTURAL ENGR. CORP. | 81-005202 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000029 |
| MISSOURI PROFESSIONAL ENGR. CORP. | MC 001528 |
| MISSOURI LAND SURVEYING CORP. | MC 000346 |

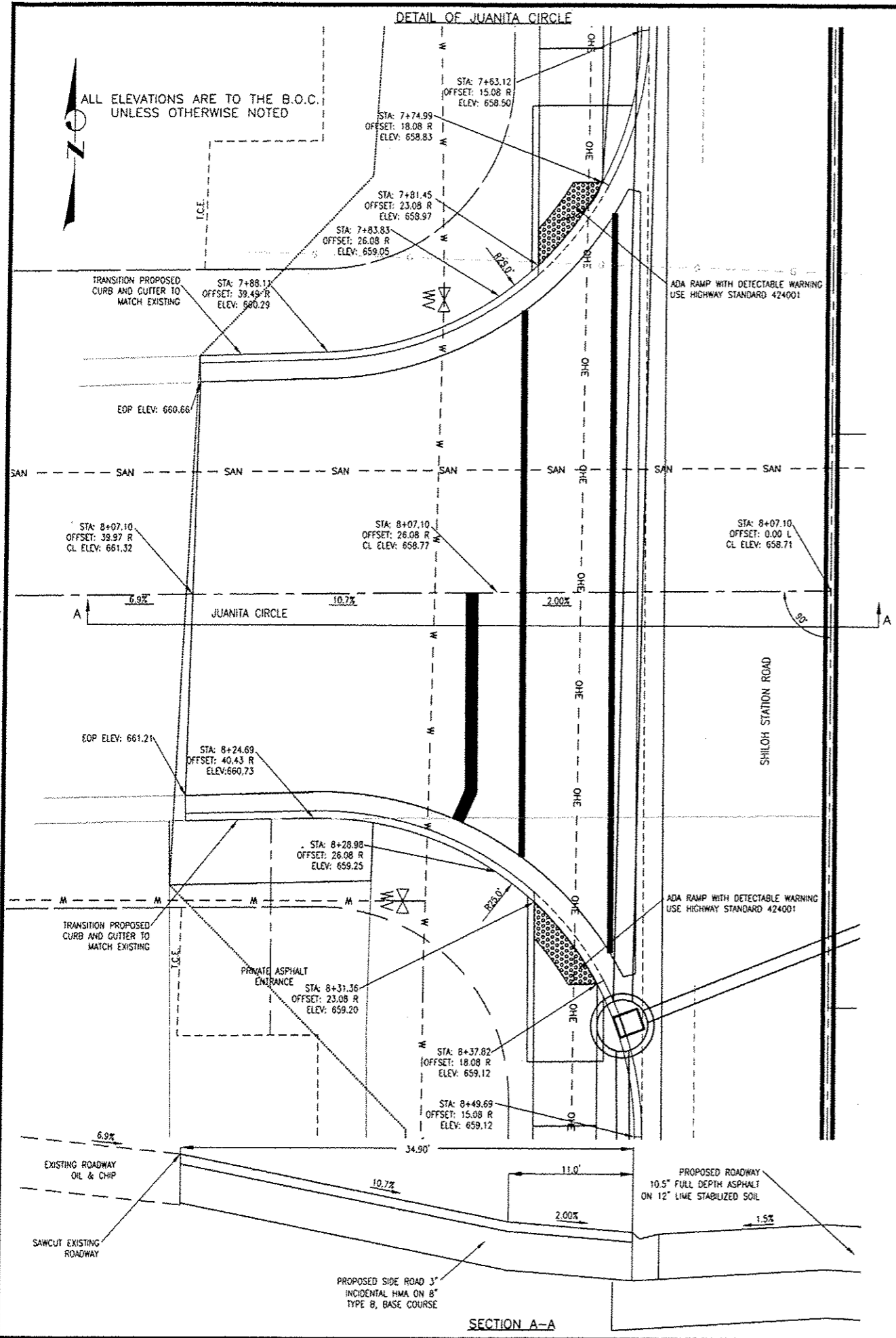
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TITLE: SHILOH STATION ROAD INTERSECTION AND MISC. DETAILS 10-00011-01-PV AND 11-00011-02-PV
PROJECT: SHILOH STATION ROAD RECONSTRUCTION - PHASE 1 AND 2 VILLAGE OF SHILOH ST. CLAIR COUNTY, ILLINOIS

| REV | DATE | DESCRIPTION |
|-----|------|-------------|
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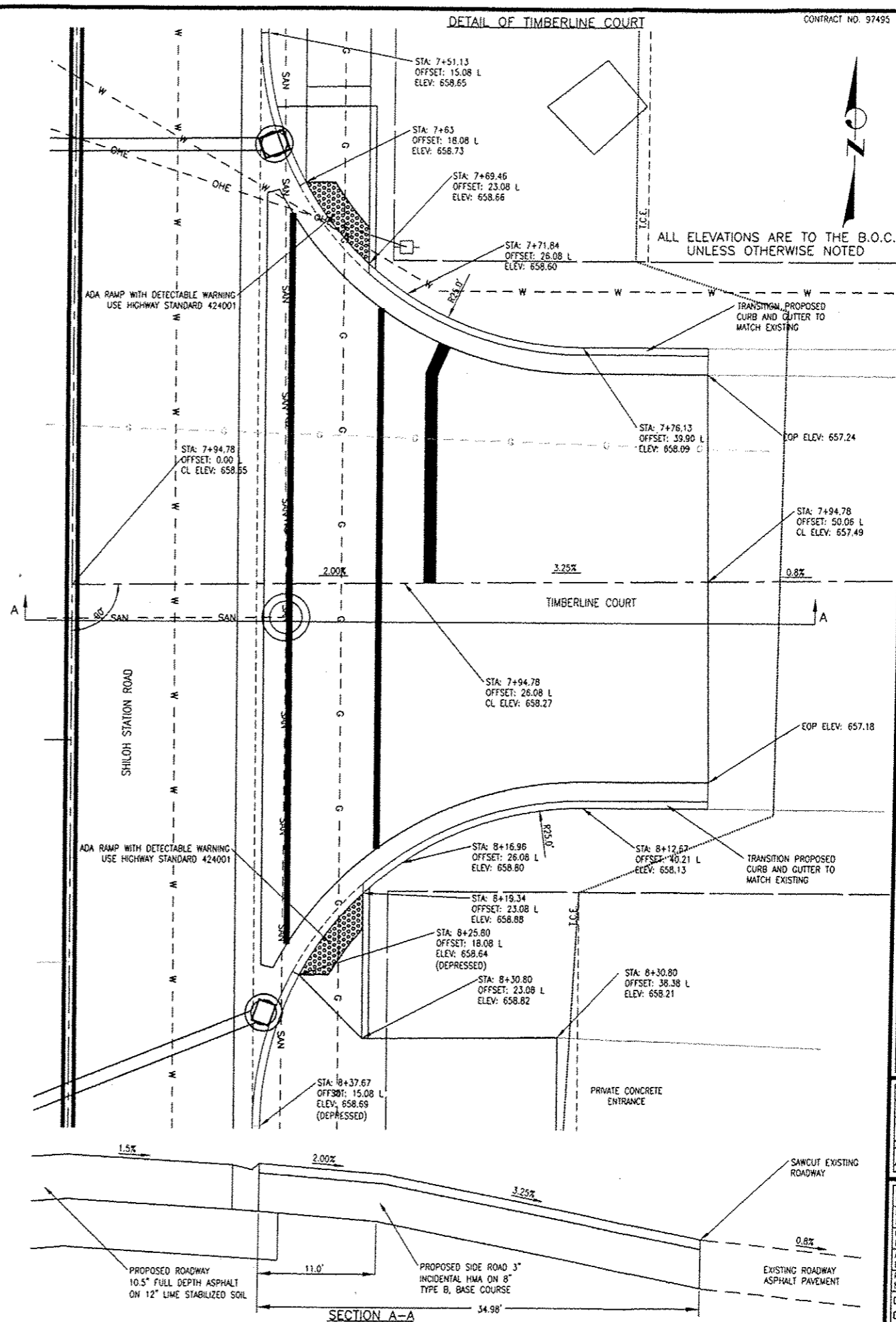
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| DESIGNED BY: NTS | 17 |
| CHECKED BY: | OF 24 SHEETS |
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| PROJECT NUMBER: T01100602 | |
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| <input type="checkbox"/> ISSUED FOR CONSTR. | <input type="checkbox"/> RECORD DRAWING |

DETAIL OF JUANITA CIRCLE



SECTION A-A

DETAIL OF TIMBERLINE COURT



SECTION A-A

CONTRACT NO. 97495

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| PROFESSIONAL STRUCTURAL ENGR. CORP. | 81-055202 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000028 |
| MISSOURI PROFESSIONAL ENGR. CORP. | MC 001528 |
| MISSOURI LAND SURVEYING CORP. | MC 000346 |

Signature: _____
Signature Date: _____
Expiration Date: _____

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TITLE
SHILOH STATION ROAD
INTERSECTION AND MISC. DETAILS
10-0001-01-PV AND 11-0001-02-PV

PROJECT
SHILOH STATION ROAD
RECONSTRUCTION - PHASE 1 AND 2
VILLAGE OF SHILOH
ST. CLAIR COUNTY, ILLINOIS

| REV | DATE | DESCRIPTION |
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| DRAWN BY: NTS | SHEET 18 |
| DESIGNED BY: NTS | OF 24 SHEETS |
| CHECKED BY: | PROJECT DESCRIPTION |
| APPROVED BY: | PROJECT NUMBER T01100602 |
| <input type="checkbox"/> ISSUED FOR REVIEW <input checked="" type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING | |

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| PROFESSIONAL REGISTRATIONS | LICENSE NO. |
|-------------------------------------|-------------|
| ILLINOIS PROFESSIONAL DESIGN FIRM | 181-001200 |
| PROFESSIONAL ENGINEERING CORP. | 62-035370 |
| PROFESSIONAL STRUCTURAL ENGR. CORP. | 61-005202 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000029 |
| MISSOURI PROFESSIONAL ENGR. CORP. | MC 001538 |
| MISSOURI LAND SURVEYING CORP. | MC 000348 |

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Signature: _____
Signature Date: _____
Expiration Date: _____

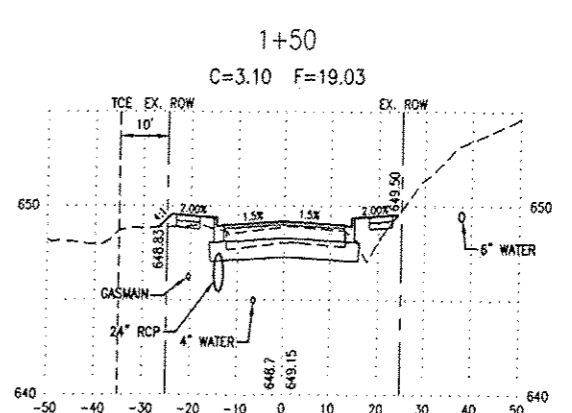
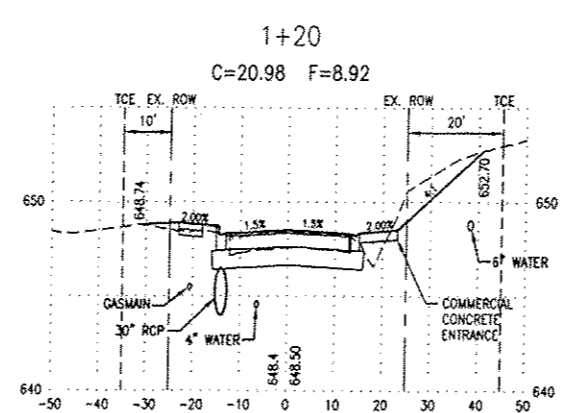
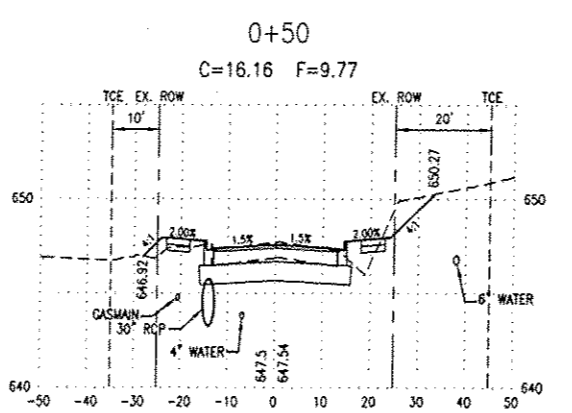
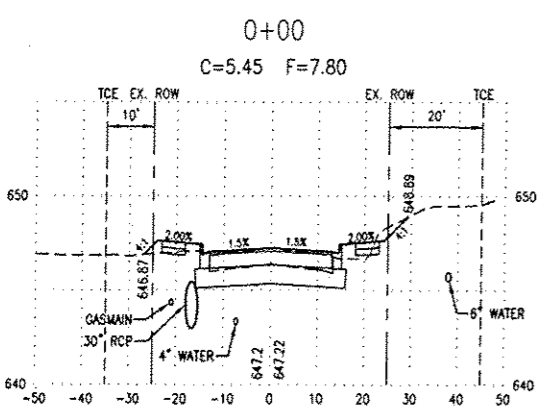
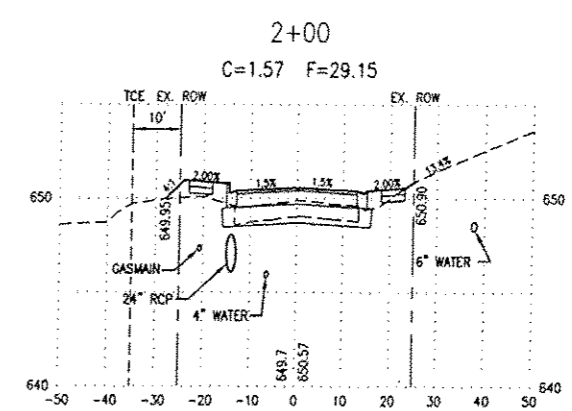
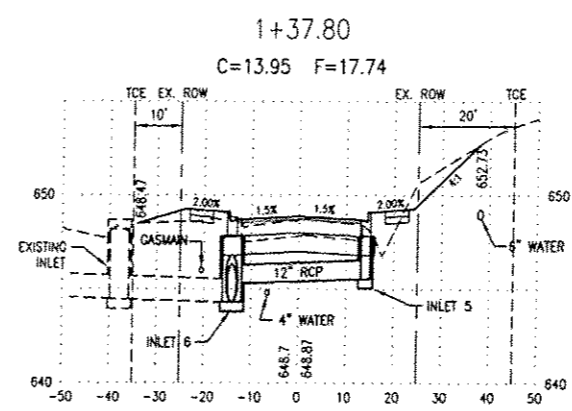
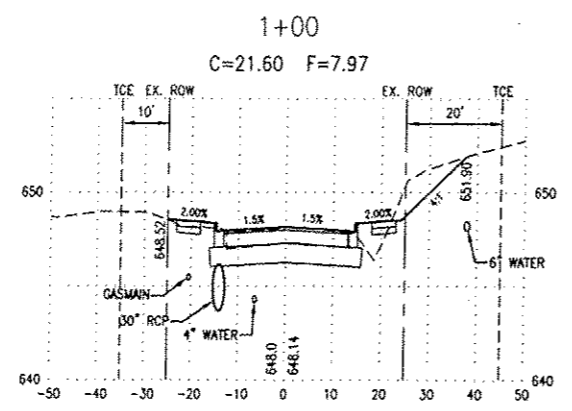
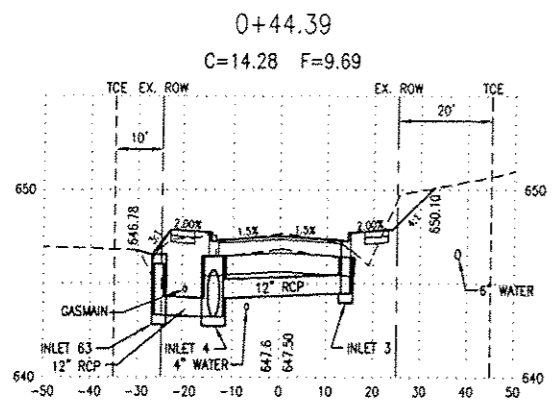
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TITLE
SHILOH STATION ROAD
CROSS SECTIONS
10-00011-01-PV AND 11-00011-02-PV

PROJECT
SHILOH STATION ROAD
RECONSTRUCTION - PHASE 1 AND 2
VILLAGE OF SHILOH
ST. CLAIR COUNTY, ILLINOIS

| REV | DATE | DESCRIPTION |
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| DRAWN BY: NTS | SHEET |
| DESIGNED BY: NTS | 19 |
| CHECKED BY: | OF 24 SHEETS |
| APPROVED BY: | PROJECT DESCRIPTION |
| PROJECT NUMBER: T01100602 | |
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| <input type="checkbox"/> ISSUED FOR CONSTR. | <input type="checkbox"/> RECORD DRAWING |



SCALE
1:4 VERTICAL
1:20 HORIZONTAL

NOTES:
1. ALL STORM SEWER SHOWN IS PROPOSED
2. ALL OTHER UTILITIES SHOWN ARE EXISTING

P:\100602\4-CAD - DWG\1.2-18\Drawings\Phase 1 & 2\Combined\100602 - Phase 1 - Plan and Profiles, Detour, Drainage, Erosion, Marking and Signage, Wearing.dwg

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| PROFESSIONAL STRUCTURAL ENGR. CORP. | 81-005029 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 648-000228 |
| MISSOURI PROFESSIONAL ENGR. CORP. | MC 001528 |
| MISSOURI LAND SURVEYING CORP. | MC 000346 |

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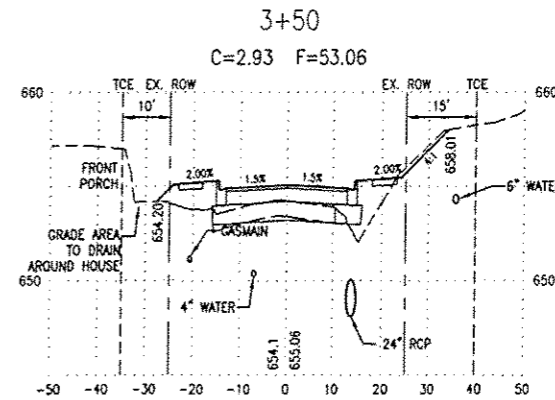
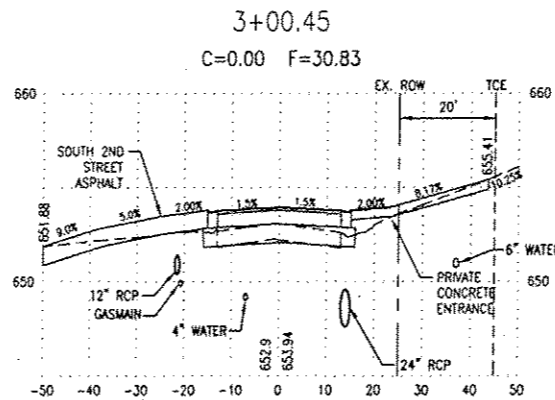
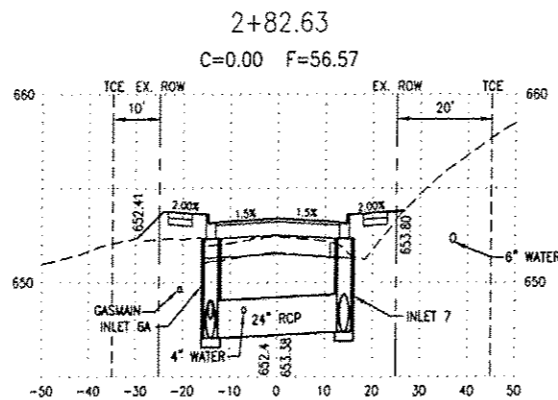
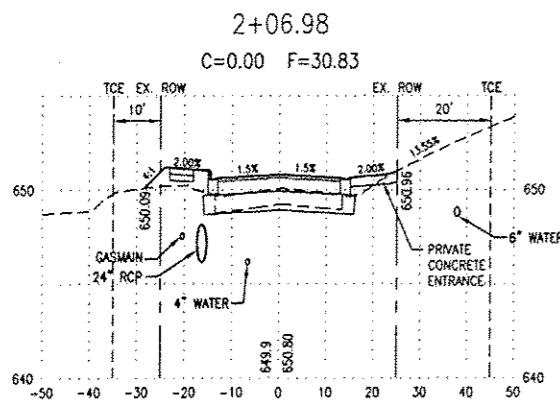
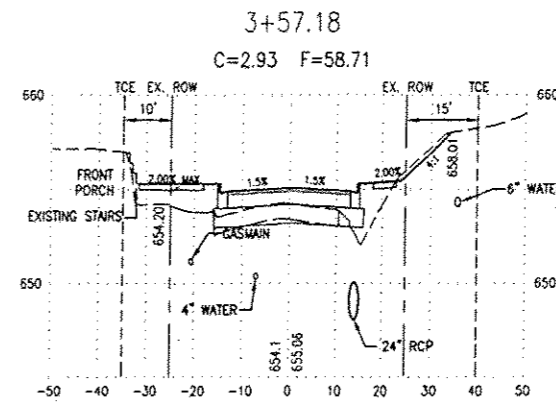
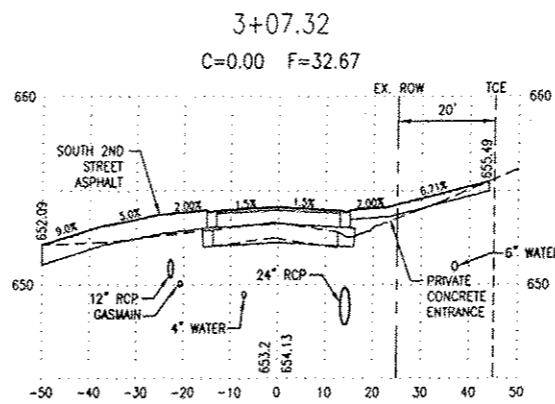
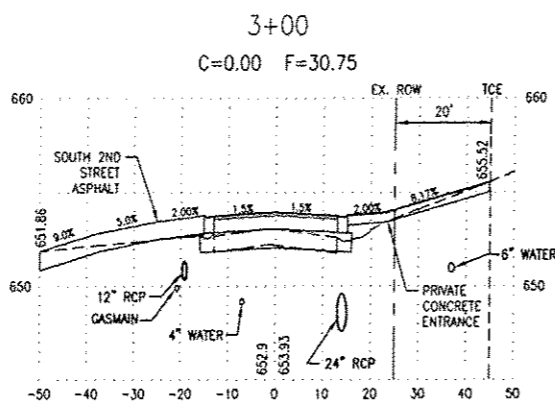
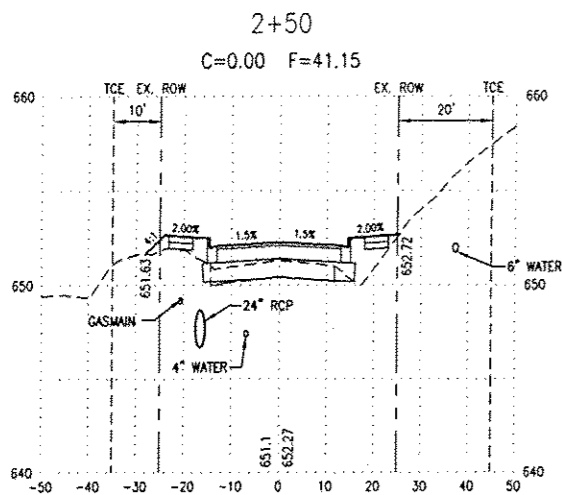
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TITLE: **SHILOH STATION ROAD CROSS SECTIONS 10-00011-01-PV AND 11-00011-02-PV**
PROJECT: **SHILOH STATION ROAD RECONSTRUCTION - PHASE 1 AND 2 VILLAGE OF SHILOH ST. CLAIR COUNTY, ILLINOIS**

| REV | DATE | DESCRIPTION |
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| DRAWN BY: _____ | NTS | SHEET 20 |
| DESIGNED BY: _____ | NTS | |
| CHECKED BY: _____ | | OF 24 SHEETS |
| APPROVED BY: _____ | | PROJECT DESCRIPTION |
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| <input type="checkbox"/> ISSUED FOR CONSTR. | <input type="checkbox"/> RECORD DRAWING | |



SCALE
1:4 VERTICAL
1:20 HORIZONTAL

NOTES:
1. ALL STORM SEWER SHOWN IS PROPOSED
2. ALL OTHER UTILITIES SHOWN ARE EXISTING

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| PROFESSIONAL STRUCTURAL ENGR. CORP. | 61-005202 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000029 |
| MISSOURI PROFESSIONAL ENGR. CORP. | MC 001528 |
| MISSOURI LAND SURVEYING CORP. | MC 006346 |

Signature: _____
Signature Date: _____
Expiration Date: _____

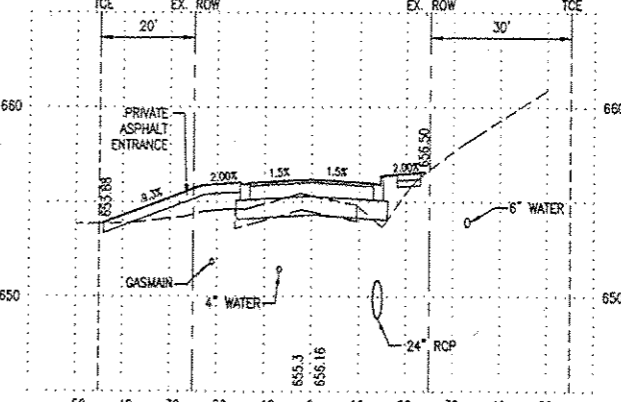
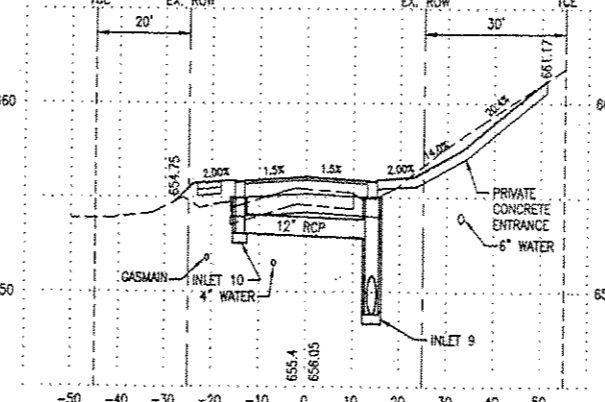
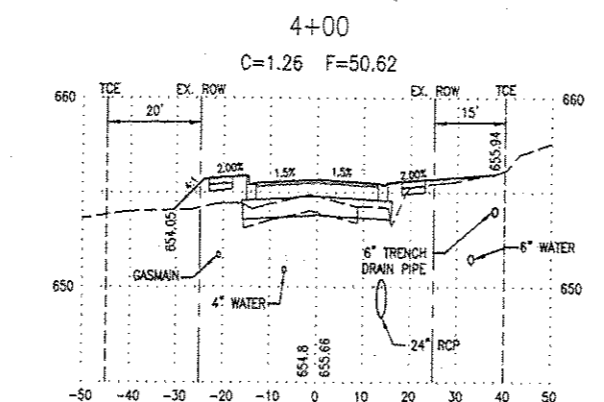
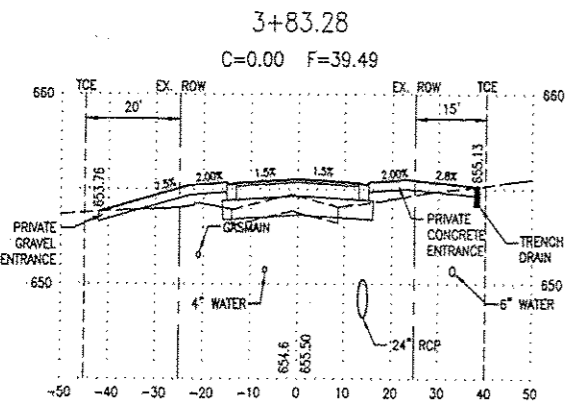
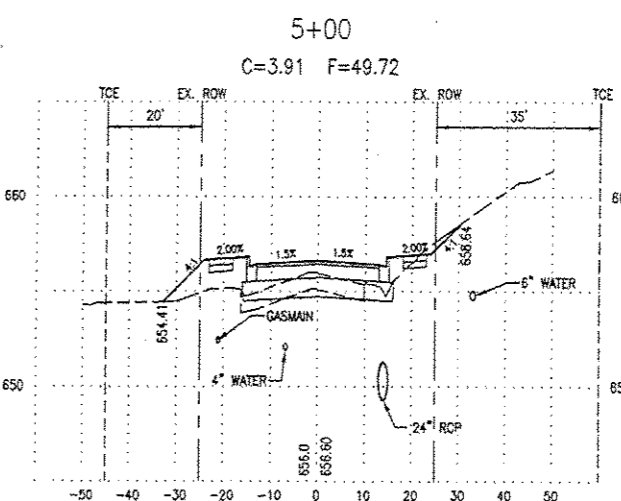
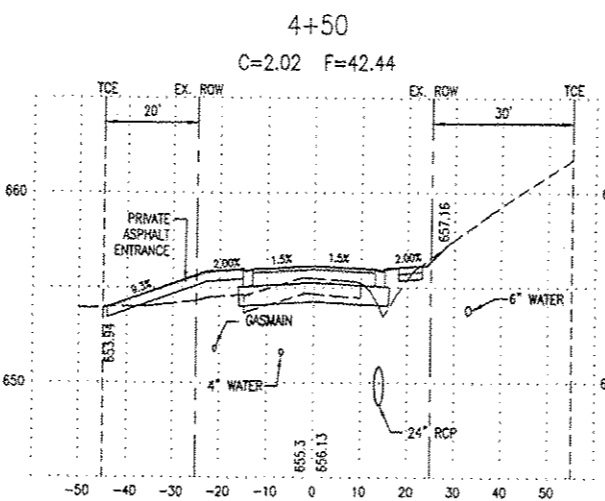
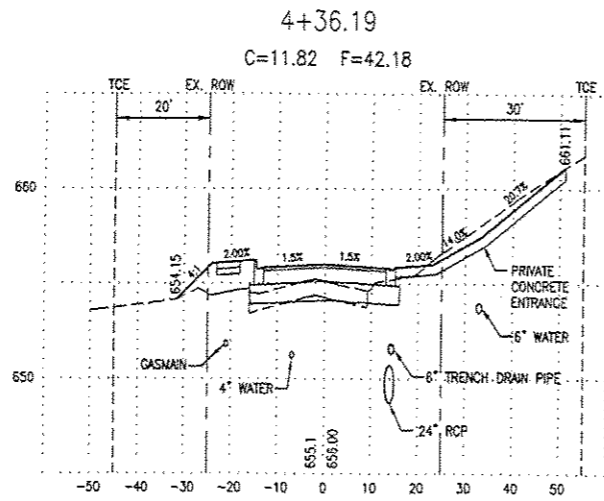
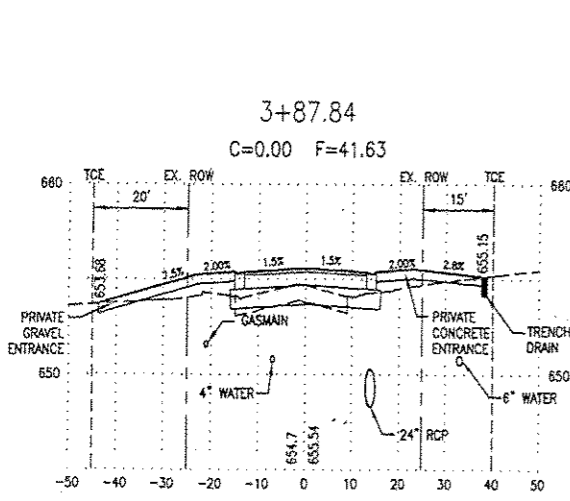
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TITLE: SHILOH STATION ROAD CROSS SECTIONS 10-00011-01-PV AND 11-00011-02-PV

PROJECT: SHILOH STATION ROAD RECONSTRUCTION - PHASE 1 AND 2 VILLAGE OF SHILOH ST. CLAIR COUNTY, ILLINOIS

| REV | DATE | DESCRIPTION |
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| DRAWN BY: NTS | SHEET 21 OF 24 SHEETS |
| DESIGNED BY: NTS | |
| CHECKED BY: | PROJECT DESCRIPTION |
| APPROVED BY: | PROJECT NUMBER: T01100602 |
| <input type="checkbox"/> ISSUED FOR REVIEW | <input checked="" type="checkbox"/> ISSUED FOR BIDDING |
| <input type="checkbox"/> ISSUED FOR CONSTR. | <input type="checkbox"/> RECORD DRAWING |



SCALE
1:4 VERTICAL
1:20 HORIZONTAL

NOTES:
1. ALL STORM SEWER SHOWN IS PROPOSED
2. ALL OTHER UTILITIES SHOWN ARE EXISTING

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| PROFESSIONAL STRUCTURAL ENGR. CORP. | 61-005202 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000029 |
| MISSOURI PROFESSIONAL ENGR. CORP. | MC 001528 |
| MISSOURI LAND SURVEYING CORP. | MC 000346 |

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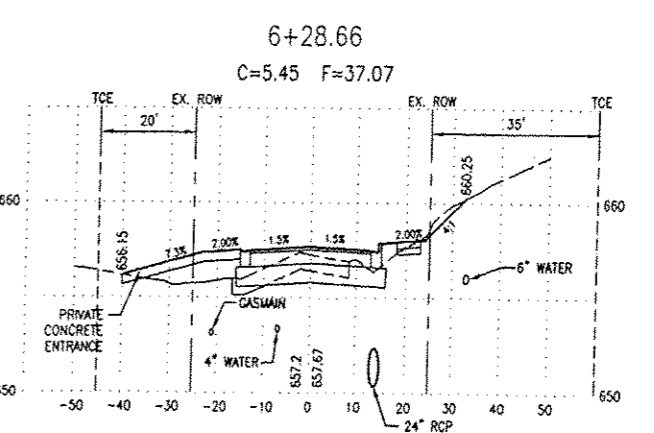
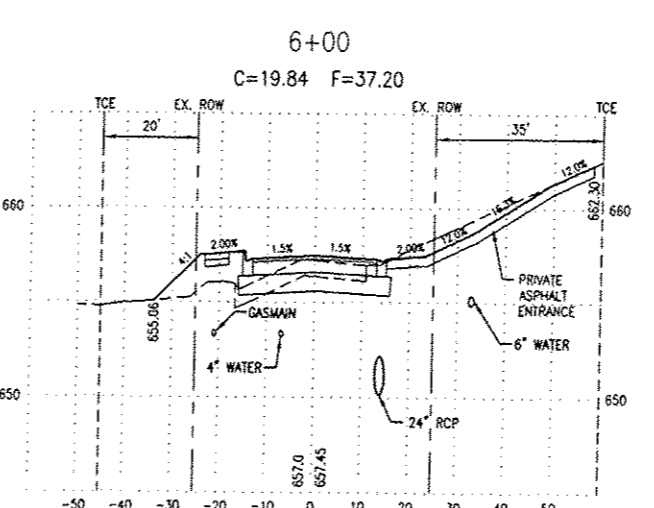
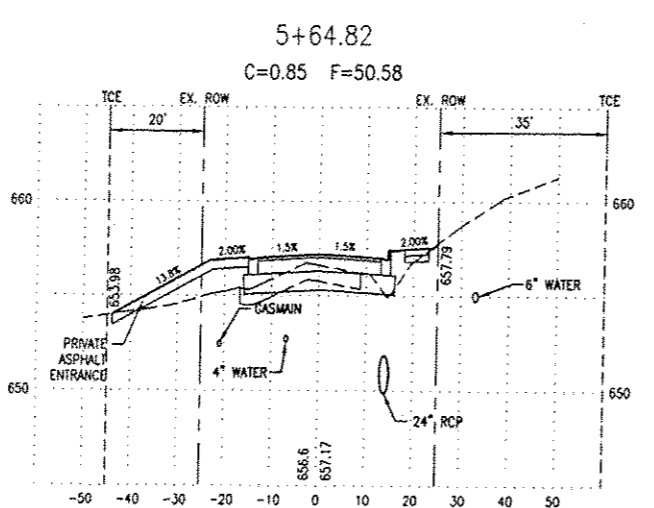
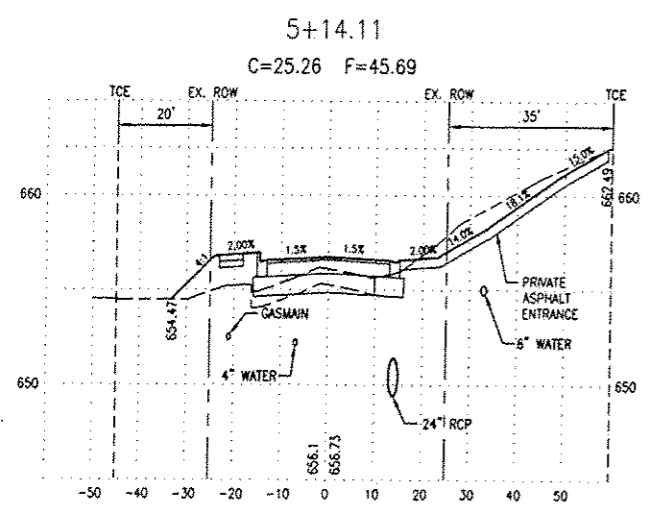
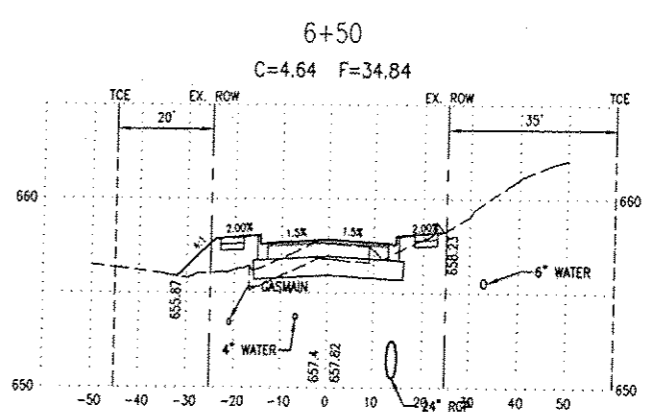
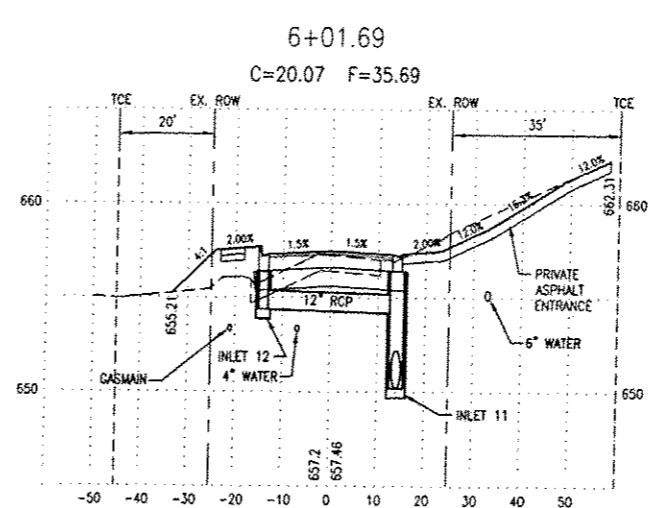
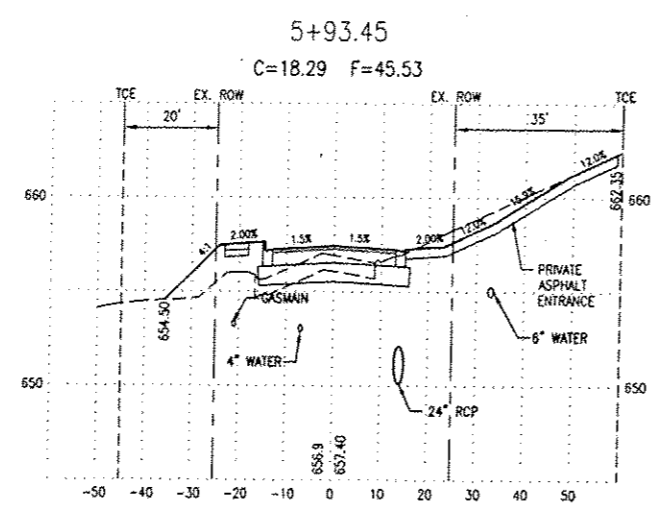
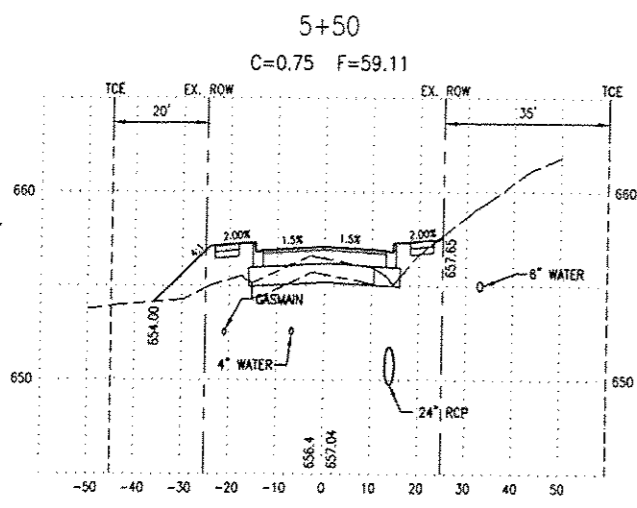
TITLE
 SHILOH STATION ROAD
 CROSS SECTIONS
 10-00011-01-PV AND 11-00011-02-PV

PROJECT:
 SHILOH STATION ROAD
 RECONSTRUCTION - PHASE 1 AND 2
 VILLAGE OF SHILOH
 ST. CLAIR COUNTY, ILLINOIS

| REV | DATE | DESCRIPTION |
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| DESIGNED BY: NTS | 22 |
| CHECKED BY: | OF 24 SHEETS |
| APPROVED BY: | PROJECT DESCRIPTION |
| PROJECT NUMBER T01100602 | |

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- RECORD DRAWING



SCALE
 1:4 VERTICAL
 1:20 HORIZONTAL

- NOTES:
1. ALL STORM SEWER SHOWN IS PROPOSED
 2. ALL OTHER UTILITIES SHOWN ARE EXISTING

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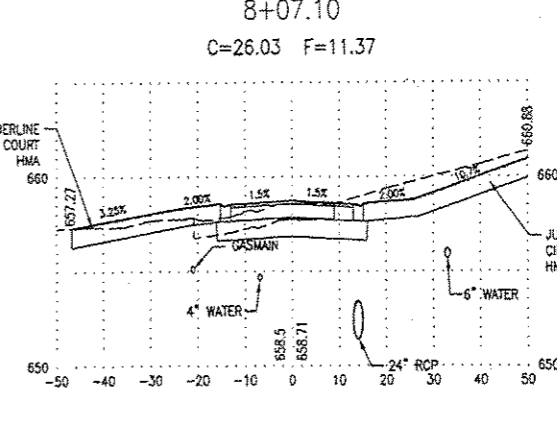
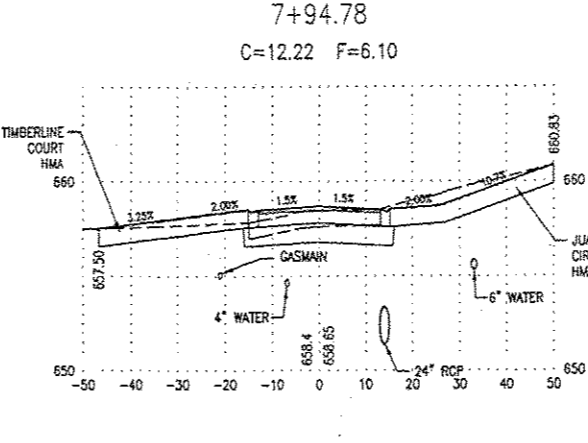
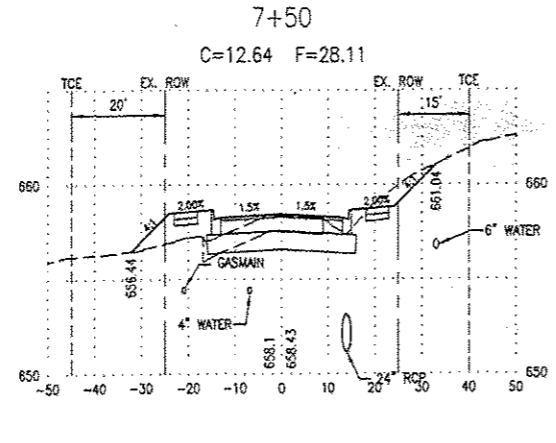
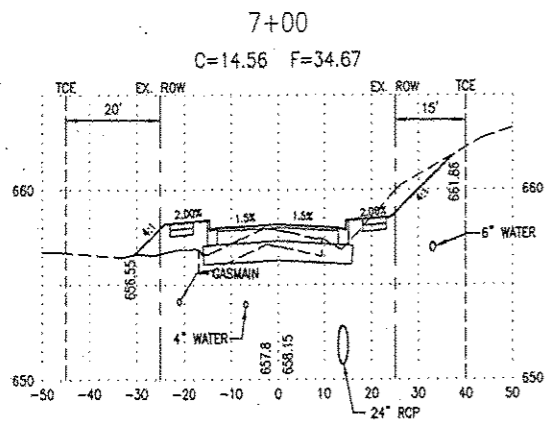
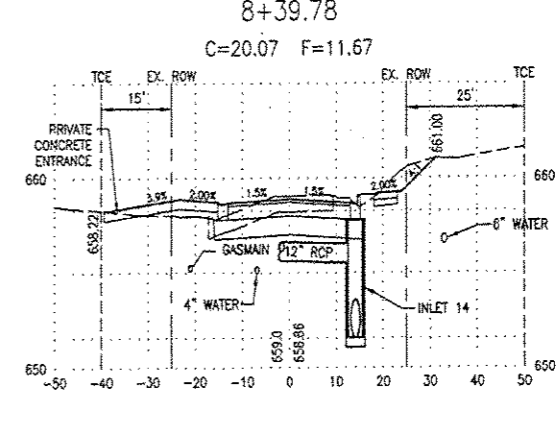
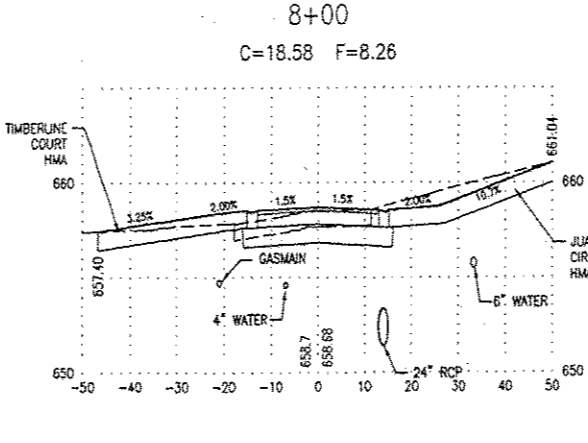
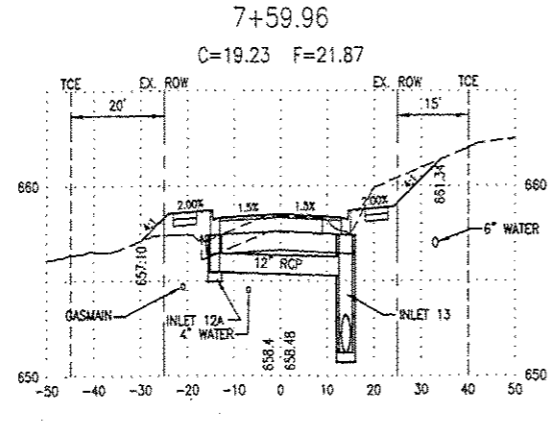
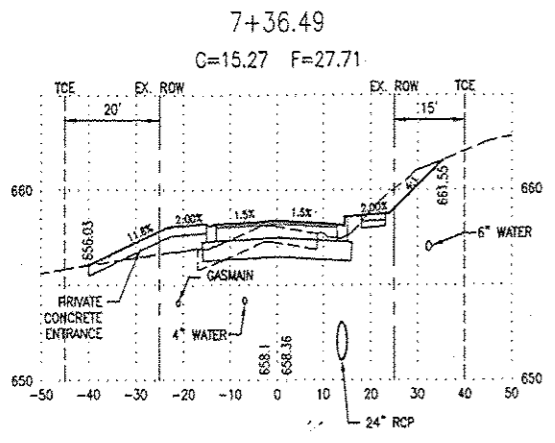


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| | |
|-------------------------------------|------------|
| ILLINOIS PROFESSIONAL DESIGN FIRM | 184-001220 |
| PROFESSIONAL ENGINEERING CORP. | 62-035370 |
| PROFESSIONAL STRUCTURAL ENGR. CORP. | 81-006202 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000029 |
| MISSOURI PROFESSIONAL ENGR. CORP. | HC 001528 |
| MISSOURI LAND SURVEYING CORP. | HC 000246 |

Signature: _____
 Signature Date: _____
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 I hereby confirm that the document herein to be authorized by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the architectural, engineering or survey project.



SCALE
 1:4 VERTICAL
 1:20 HORIZONTAL

NOTES:
 1. ALL STORM SEWER SHOWN IS PROPOSED
 2. ALL OTHER UTILITIES SHOWN ARE EXISTING

TITLE: SHILOH STATION ROAD CROSS SECTIONS 10-00011-01-PV AND 11-00011-02-PV
 PROJECT: SHILOH STATION ROAD RECONSTRUCTION - PHASE 1 AND 2 VILLAGE OF SHILOH ST. CLAIR COUNTY, ILLINOIS

| REV | DATE | DESCRIPTION |
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| DRAWN BY: _____ | NTS | SHEET |
| DESIGNED BY: _____ | NTS | 23 |
| CHECKED BY: _____ | | OF 24 SHEETS |
| APPROVED BY: _____ | | PROJECT DESCRIPTION |
| PROJECT NUMBER: T01100602 | | |

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| PROFESSIONAL REGISTRATIONS | LICENSE NO. |
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| ILLINOIS PROFESSIONAL DESIGN FIRM | 184-001220 |
| ILLINOIS PROFESSIONAL ENGINEERING CORP. | 62-035370 |
| ILLINOIS PROFESSIONAL STRUCTURAL ENGR. CORP. | 61-005202 |
| ILLINOIS PROF. LAND SURVEYING CORP. | 048-000029 |
| MISSOURI PROFESSIONAL ENGR. CORP. | MC 001528 |
| MISSOURI LAND SURVEYING CORP. | MC 000346 |

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Expiration Date: _____

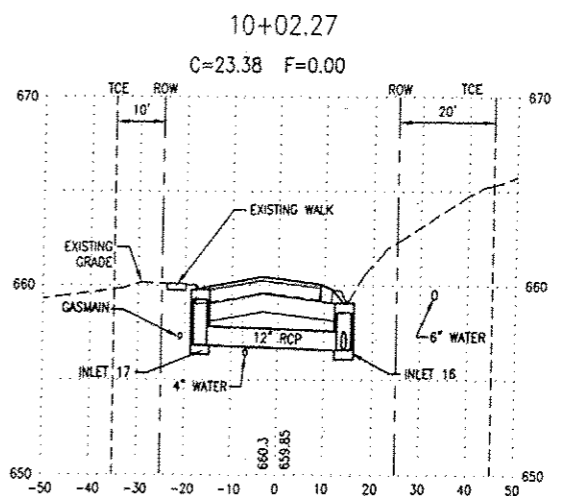
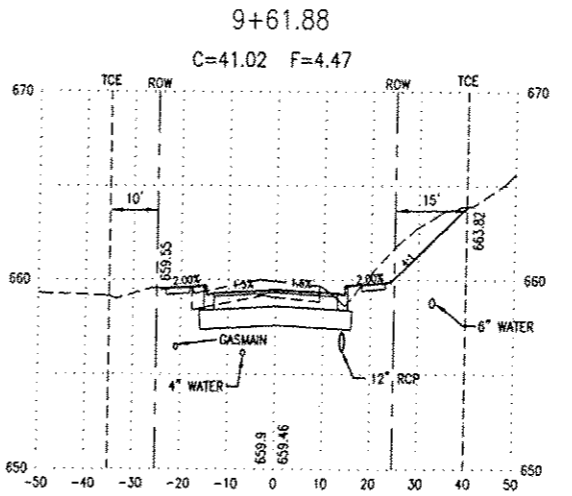
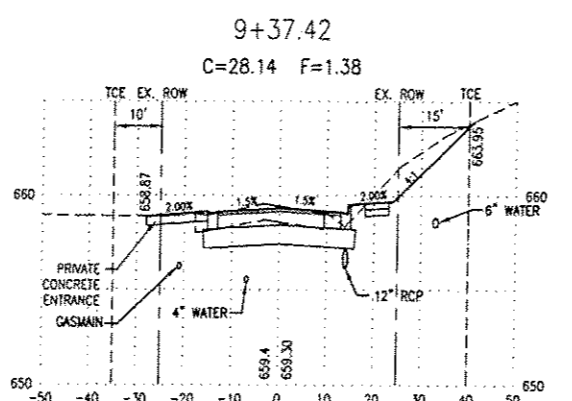
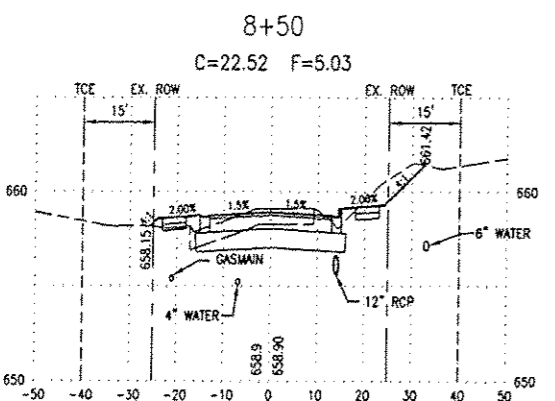
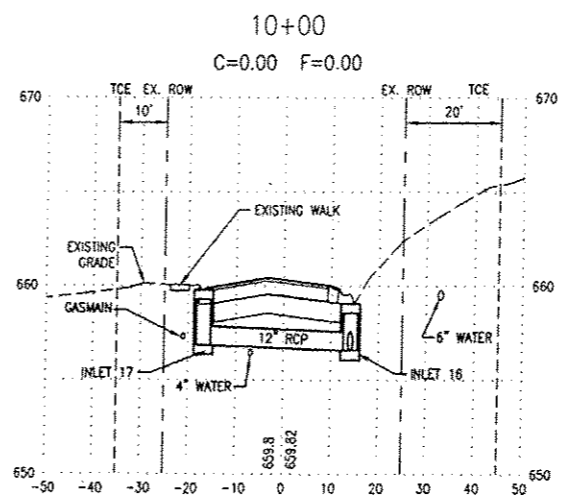
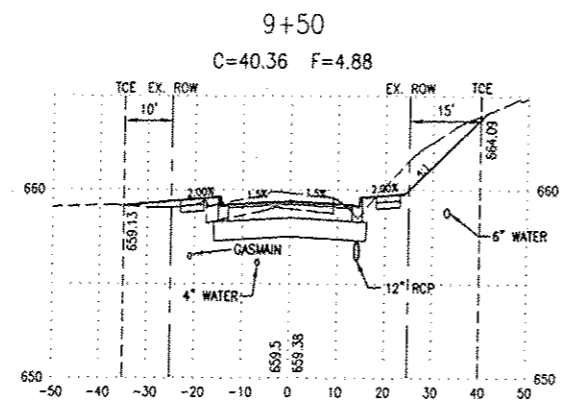
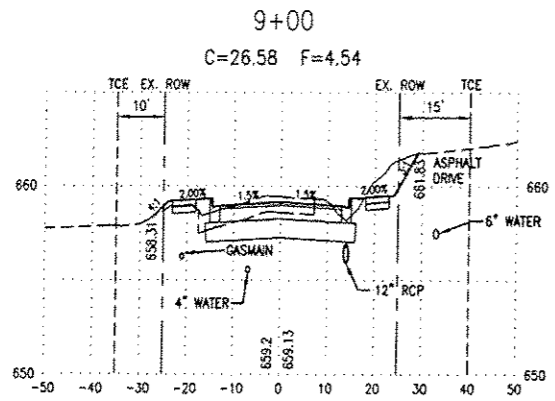
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TITLE: **SHILOH STATION ROAD CROSS SECTIONS 10-00011-01-PV AND 11-00011-02-PV**

PROJECT: **SHILOH STATION ROAD RECONSTRUCTION - PHASE 1 AND 2 VILLAGE OF SHILOH ST. CLAIR COUNTY, ILLINOIS**

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
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| DRAWN BY: NTS | SHEET |
| DESIGNED BY: NTS | 24 |
| CHECKED BY: | OF 24 SHEETS |
| APPROVED BY: | PROJECT DESCRIPTION |
| PROJECT NUMBER: T01100602 | |
| <input type="checkbox"/> ISSUED FOR REVIEW | <input checked="" type="checkbox"/> ISSUED FOR BIDDING |
| <input type="checkbox"/> ISSUED FOR CONSTR. | <input type="checkbox"/> RECORD DRAWING |



SCALE
1:4 VERTICAL
1:20 HORIZONTAL

NOTES:
1. ALL STORM SEWER SHOWN IS PROPOSED
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P:\100602\4-CA00 - DWG\4.2-IT\Drawings\Phase 1 & 2 Combined\100602 - Phase 1 - Plan and Profiles, Below, Drainage, Erosion, Marking and Signage, Wapung.dwg