

INDEX OF SHEETS

- 1. COVER SHEET
- 2. GENERAL NOTES
- 3. SUMMARY OF QUANTITIES
- 4-5. TYPICAL CROSS SECTIONS
- 6-12. SCHEDULES OF QUANTITIES
- 13-22. ROADWAY PLAN & PROFILE SHEETS
- 23-26. STAGED CONSTRUCTION AND TRAFFIC CONTROL PLAN
- 27-28. DETOUR PLANS
- 29-33. EROSION CONTROL PLAN
- 34-43. DRAINAGE PLAN & PROFILE SHEETS
- 44-50. CURB WARPING AND INTERSECTION DETAIL
- 51-55. PAVEMENT MARKING & SIGNAGE PLANS
- 56-57. TRAFFIC SIGNAL PLANS
- 58-60. FLASHING BEACONS PLANS
- 61-62. BOX CULVERT DETAILS
- 63. ENTRANCE DETAILS
- 64-104. CROSS SECTIONS

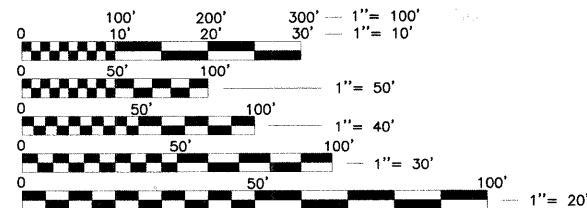
IDOT STANDARDS (ATTACHED AFTER PLANS)

000001-05	604006-04	701326-03	780001-02
001001-02	604036-02	701501-05	781001-03
001006	604091-02	701502-03	805001-01
280001-04	606001-04	701602-04	814001-02
424001-05	606006-02	701701-06	814006-02
542301-02	630001-08	701801-04	873001-02
542306-02	630301-05	701901-01	876001-01
542401-01	635006-03	720001-01	877001-04
602301-02	701001-02	720006-02	878001-07
602306-02	701006-03	720011-01	880006-01
602406-03	701011-02	720016-02	886001-01
602601-02	701301-03	728001-01	886006-01
602701-02	701311-03	731001-01	BLR 23-3
604001-03			

UTILITIES

WATER
ILLINOIS AMERICAN WATER CO.
100 N. WATER WORKS DR.
BELLEVILLE, IL 62220
(618) 277-9887

SANITARY SEWER
VILLAGE OF SWANSEA
1400 NORTH ILLINOIS STREET
SWANSEA, IL 62226
(618) 632-2414



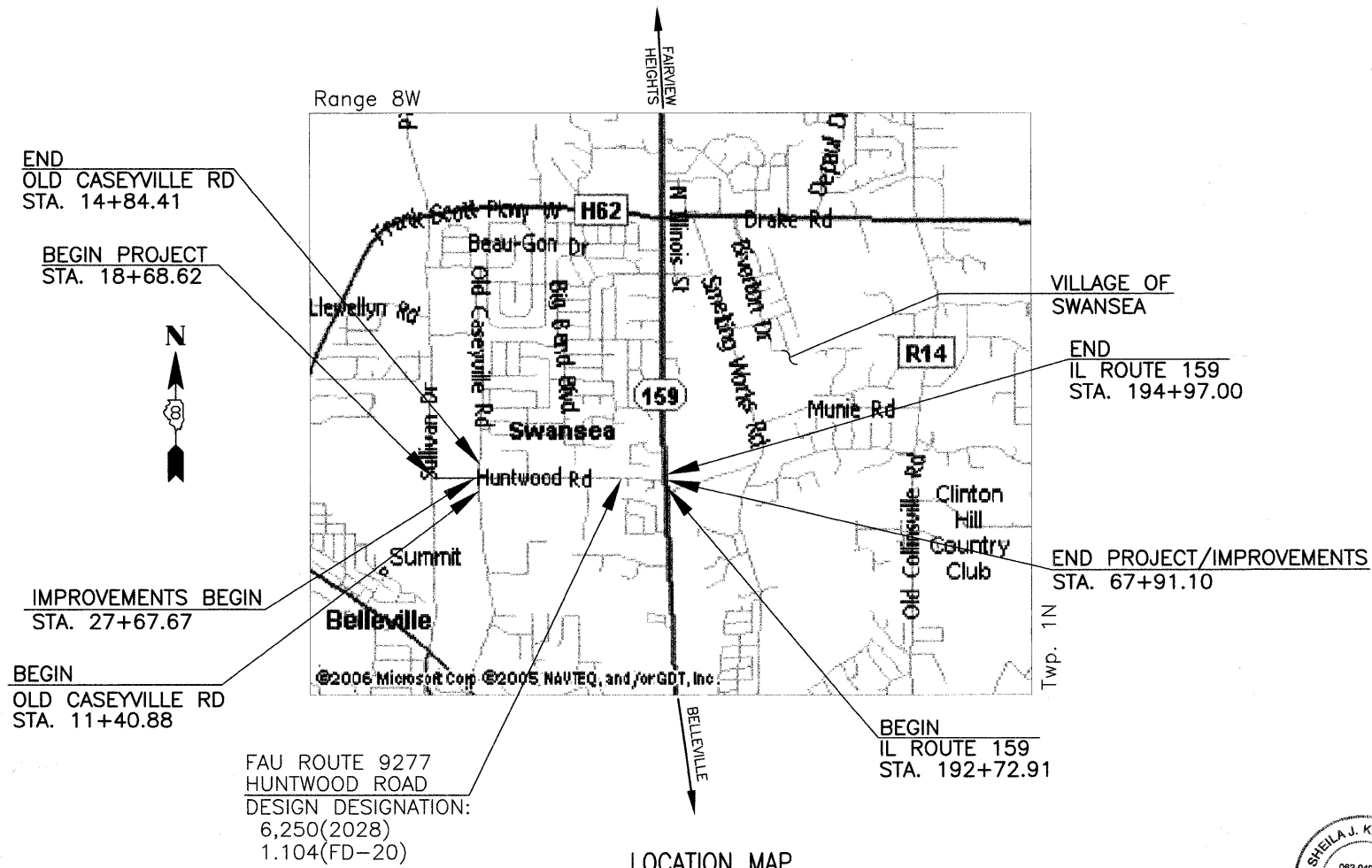
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

**PLANS FOR PROPOSED FEDERAL AID PROJECT
VILLAGE OF SWANSEA
PROPOSED HUNTWOOD ROAD RECONSTRUCTION**

FAU ROUTE 9277
SECTION 04-00031-00-PV
PROJ. NO. HPP-M-5011(197)
ST. CLAIR COUNTY
JOB NO. C-98-309-06
STU FUNDS



FAU ROUTE 9277
HUNTWOOD ROAD
DESIGN DESIGNATION:
6.250(2028)
1.104(FD-20)

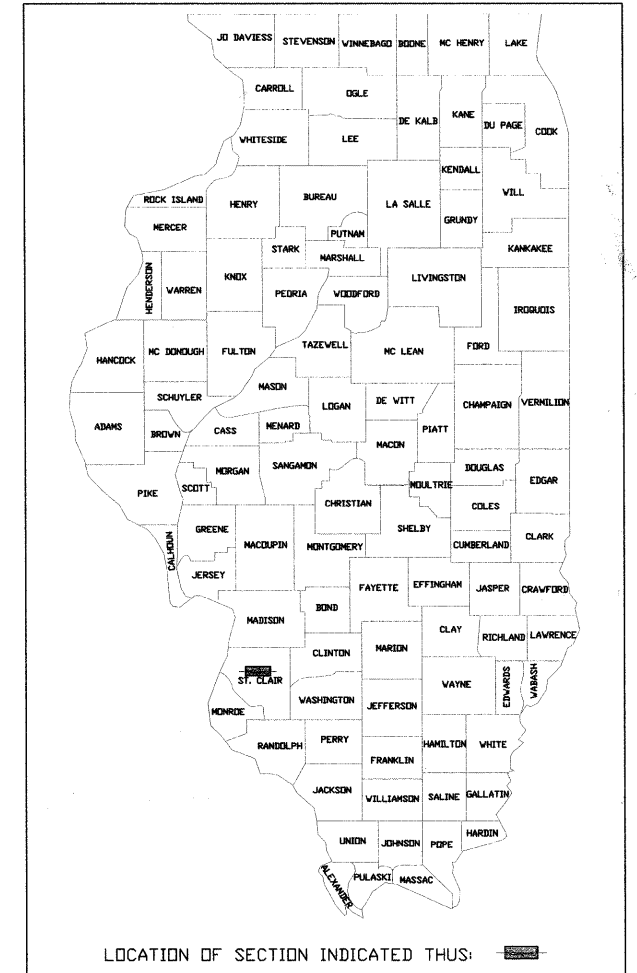
LOCATION MAP
N.T.S.

LENGTH OF PROJECT

HUNTWOOD ROAD
GROSS LENGTH = 4,922.48' (0.932 MILES)
NET LENGTH = 4,023.43' (0.762 MILES)

HUNTWOOD ROAD DESIGN DESIGNATION:
ROADWAY CLASSIFICATION - COLLECTOR
DESIGN SPEED - 35 MPH (20 MPH IN SCHOOL ZONE)
DESIGN TRAFFIC (2028) ADT - 6,250
1.104(FD-20)

FAU ROUTE	IDOT SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9277	04-00031-00-PV	ST. CLAIR	104	1
FEDERAL AID PROJECT			ILLINOIS	
IDOT JOB NO. C-98-309-06				
IDOT CONTRACT NO. 97327				



LOCATION OF SECTION INDICATED THIS:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED NOVEMBER 6 2008
Charles A. Dwyer
MAYOR
VILLAGE OF SWANSEA

PASSED 11/12 2008
[Signature]
DISTRICT 8 ENGINEER
LOCAL ROADS & STREETS

RELEASED FOR BID BASED ON LIMITED REVIEW 11/12 2008
Sheila J. Kimlinger
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER



Sheila J. Kimlinger 11/6/08
SHEILA J. KIMLINGER, P.E.
LICENSE NO. 062-049175
EXPIRATION DATE
11-30-2009

PREPARED BY:
TW THOUVENOT, WADE & MOERCHEN, INC.
TWM JOB NO. T20-030356

GENERAL NOTES

1. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION, AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS, OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS. FOR CODED PAY ITEM DESCRIPTIONS, INCLUDED ITEMS, AND ALL MATERIAL SPECIFICATIONS, PLEASE REFER TO THE LATEST EDITION OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. 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.
3. 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. UTILITY COORDINATION OF LOCATION AND POTHOLING OF EXISTING UTILITIES INCLUDED IN COST OF MOBILIZATION.
4. 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.
5. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE AREA LOCATED WITHIN THE CONSTRUCTION LIMIT LINES, AS SHOWN ON THE PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
6. 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.
7. 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.
8. 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 EXISTING CONCRETE AND/OR HOT-MIX ASPHALT ENTRANCE PAVEMENT HAS BEEN INCLUDED IN THE DRIVEWAY PAVEMENT REMOVAL QUANTITY AND THE REMOVAL OF ALL EXISTING AGGREGATE AND/OR OIL & CHIP ENTRANCE PAVEMENT SHALL BE INCLUDED IN THE EARTH EXCAVATION QUANTITY. SEE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
9. RECONSTRUCTION OF ALL SIDEROADS/ENTRANCES SHALL BE STAGE CONSTRUCTED, WHERE FEASIBLE, TO MAINTAIN VEHICULAR ACCESS AT ANY GIVEN TIME DURING THE CONSTRUCTION OF THIS PROJECT.
10. STAGE CONSTRUCTION OF THIS PROJECT WARRANTS THE USE OF A RUNAROUND DURING CONSTRUCTION. REFER TO THE STAGE CONSTRUCTION PLANS INCLUDED IN THESE PLANS FOR INFORMATION REGARDING THE STAGE CONSTRUCTION OF THIS PROJECT.
11. 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.
12. 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.

NO COMMITMENTS

13. IT IS INTENDED THAT 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.
14. 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.
15. 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.
16. FIELD CONDITIONS PROHIBIT THE USE OF TAPERED TOPS ON PROPOSED MANHOLES AND INLETS. THEREFORE, PRECAST REINFORCED CONCRETE FLAT SLAB TOPS ARE REQUIRED. THE TOP OF GRATE ELEVATIONS SHOWN ON THE PLANS REFER TO THE ELEVATION OF THE FRAME AND GRATE FLOW LINE. ALL SWALES/DITCHES SHALL BE RE-GRADED/SHAPED TO ENSURE ALL STORM WATER RUNOFF ENTERS THE INTENDED DITCH INLET, TYPE-8 GRATE.
17. 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.
18. ALL EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH APPROPRIATE LIGHTING.
19. NO OVERNIGHT LANE CLOSURES SHALL BE ALLOWED ON HUNTWOOD ROAD. LANE CLOSURES SHALL BE RESTRICTED TO MONDAY THROUGH SATURDAY. IF THE CONTRACTOR CHOOSES TO DEVIATE FROM THESE RESTRICTIONS, THE CONTRACTOR MUST CONTACT THE VILLAGE OF SWANSEA AND ACQUIRE APPROVAL.
20. TRAFFIC CONTROL SIGNS SHALL BE 48" FLUORESCENT ORANGE.
21. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE VILLAGE OF SWANSEA 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.
22. 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.
23. WOOD POSTS ALONG EXISTING HUNTWOOD ROAD NEAR THE HOLY SHOGHAGAT AREMENIAN CHURCH SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE POLICIES FOR HAZARDOUS WASTE MATERIALS. COST IS INCLUDED IN THE COST OF EARTH EXCAVATION WITH NO ADDITIONAL COMPENSATION.
24. 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.
25. WATER TIGHT GASKETS WILL BE INSTALLED AT EVERY JOINT FOR STORM SEWER. COST WILL BE INCLUDED IN STORM SEWER.
26. ALL GRADING, EXCAVATION AND FILL, NECESSARY TO SATISFY THE ADDITIONAL DRIVEWAY LENGTHS AND PARKING LOT PROVIDED AT: STA. 37+04.33, LANTER; STA. 47+33.66, ARMENIAN CHURCH; AND STA. 58+93.83, ABBOTT; SHALL BE INCLUDED IN COST OF DRIVEWAY PLACEMENT TYPE. NO ADDITIONAL COST WILL BE ALLOWED.
27. ALL DETECTABLE WARNING PANELS SHALL BE ADA ARCS TACTILE, CONCRETE, OR APPROVED EQUAL.
28. 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.

FBI ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	93727	

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



CORPORATE OFFICE
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com

EDWARDSVILLE OFFICE
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com

ST. LOUIS OFFICE
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com

WATERLOO OFFICE
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001526
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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.

GENERAL NOTES AND LEGEND

PROJECT: HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: BJB	SHEET
DESIGNED BY: BJB	2
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: 120-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

P:\030356\rdwg\Roadway Plans\ROADWAY PLANS\030356 GEN_NOTES.dwg 10/1/2008 7:45:11 AM CDT

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.		C-98-309-06
IDOT CONTRACT NO.		97327

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



CORPORATE OFFICE
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com

EDWARDSVILLE OFFICE
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com

ST. LOUIS OFFICE
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com

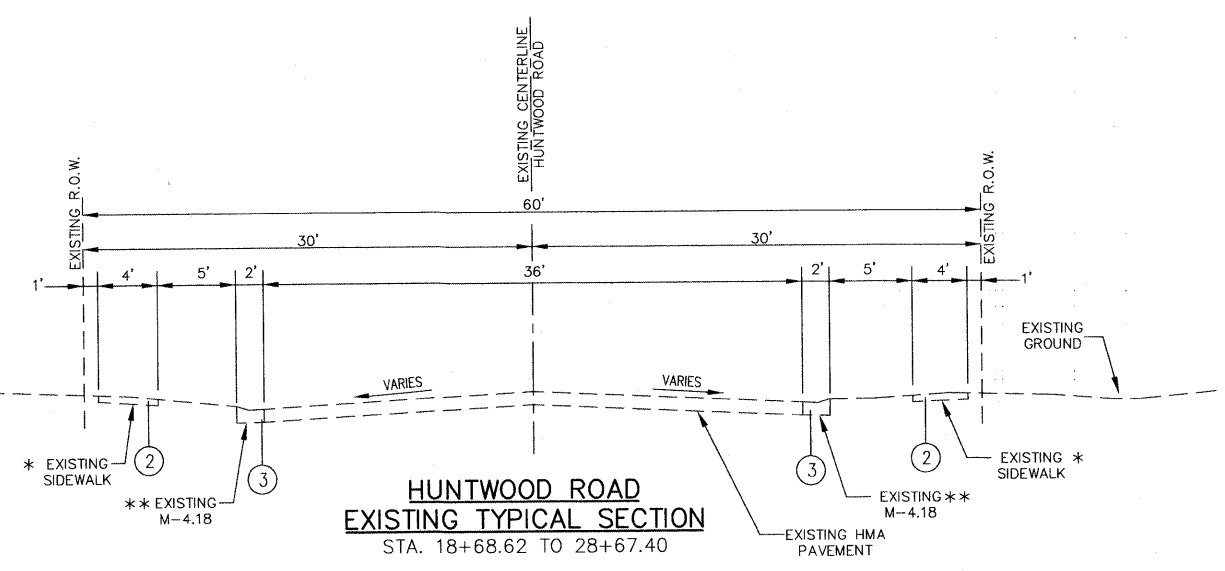
WATERLOO OFFICE
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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.



**HUNTWOOD ROAD
EXISTING TYPICAL SECTION**
STA. 18+68.62 TO 28+67.40

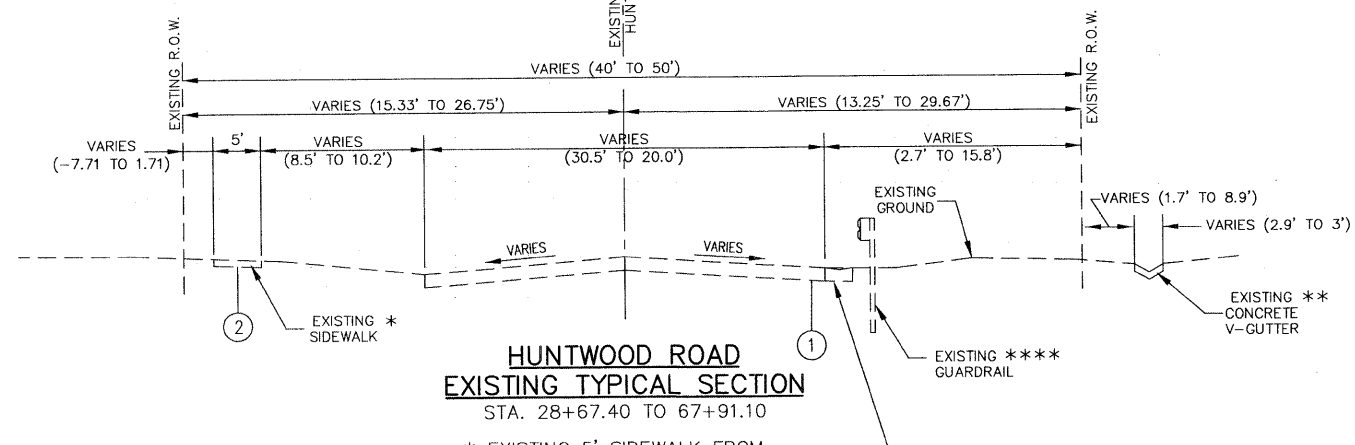
* EXISTING 4' SIDEWALK FROM
LT. STA. 18+68.62 TO 28+51.47
RT. STA. 18+68.62 TO 28+05.44

** EXISTING CC&G M-4.18
LT. STA. 18+68.62 TO 28+29.09
RT. STA. 18+68.62 TO 28+23.27

MIXTURE TABLE

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	
FRICTION AGG	MIXTURE D	MIXTURE B	MIXTURE C

- LEGEND**
- ① EXISTING OIL AND CHIP PAVEMENT (THICKNESS VARIES)
 - ② EXISTING SIDEWALK
 - ③ EXISTING COMBINATION CURB & GUTTER, TYPE M-4.18
 - ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70, 2"
 - ⑤ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL19.0, N70, 8 1/2"
 - ⑥ PROPOSED LIME MODIFIED SOIL, 12"
 - ⑦ PROPOSED 4" SOLID YELLOW LINE
 - ⑧ PROPOSED YELLOW SKIP DASHES
 - ⑨ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
 - ⑩ PROPOSED SIDEWALK, 4"
 - ⑪ PROPOSED FUTURE SIDEWALK



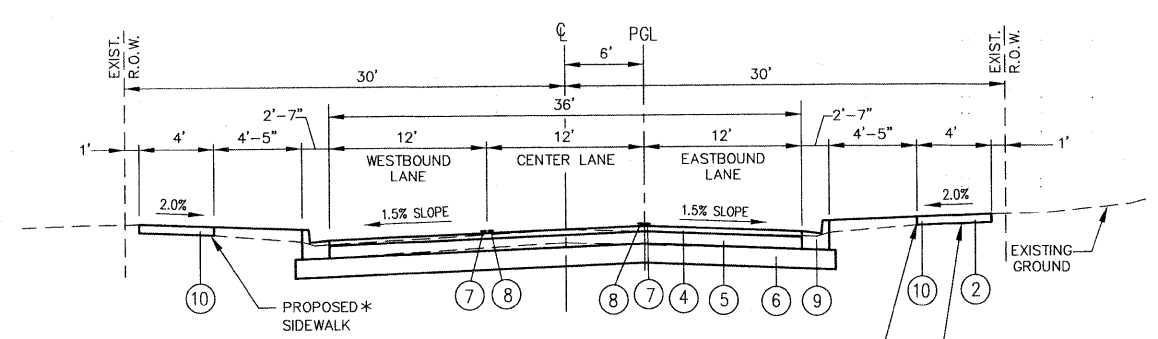
**HUNTWOOD ROAD
EXISTING TYPICAL SECTION**
STA. 28+67.40 TO 67+91.10

* EXISTING 5' SIDEWALK FROM
LT. STA. 39+35.52 TO 48+66.13

** EXISTING CONCRETE V-GUTTER FROM
RT. STA. 36+23.16 TO 38+52.83
RT. STA. 39+55.78 TO 42+62.04

*** EXISTING GUARDRAIL FROM
RT. STA. 65+67.18 TO 67+20.85

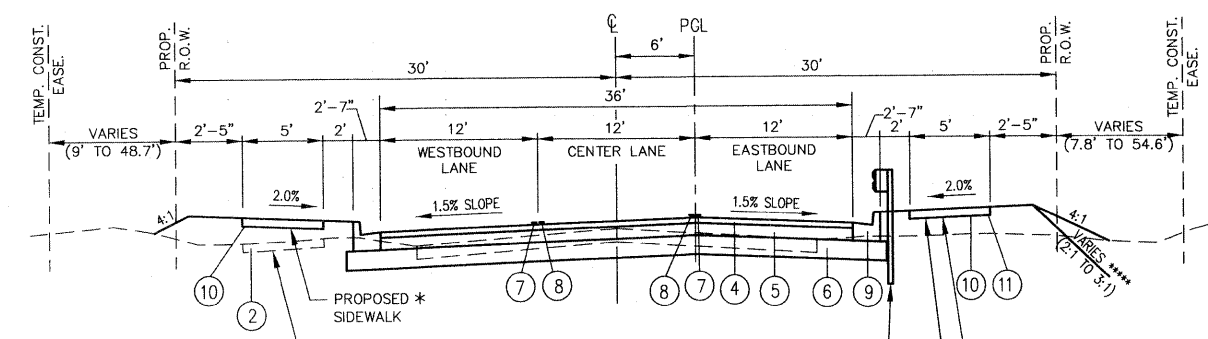
**** EXISTING CC&G M-4.18
LT. STA. 49+07.51 TO 50+96.76



**HUNTWOOD ROAD
PROPOSED TYPICAL SECTION**
STA. 27+67.67 TO STA. 28+67.40

* PROPOSED SIDEWALK FROM
LT. STA. 27+67.67 TO STA. 28+51.83 (MATCH EX. WIDTH)
RT. STA. 28+05.44 TO STA. 28+34.22 (MATCH EX. WIDTH)

** EXISTING 4' SIDEWALK FROM
RT. STA. 27+67.67 TO STA. 28+05.44



**HUNTWOOD ROAD
PROPOSED TYPICAL SECTION**
STA. 28+67.40 TO STA. 67+91.10

* PROPOSED SIDEWALK FROM
LT. STA. 29+05.06 TO STA. 39+56.25
RT. STA. 39+48.91 TO STA. 58+66.96
LT. STA. 43+71.80 TO STA. 67+49.56
RT. STA. 67+27.47 TO STA. 67+62.51

** EXISTING SIDEWALK FROM
LT. STA. 39+56.25 TO STA. 43+37.06

*** PROPOSED FUTURE SIDEWALK FROM
STA. 28+86.53 TO STA. 38+88.95
STA. 58+66.96 TO STA. 67+27.47

**** RECONSTRUCTED GUARDRAIL FROM
RT. STA. 65+67.18 TO STA. 67+20.68

***** VARIABLE SIDE SLOPE
RT. STA. 66+00 TO STA. 67+25

EXISTING AND PROPOSED TYPICAL SECTIONS HUNTWOOD ROAD

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY:	MLS	SHEET
DESIGNED BY:	MVH	4
CHECKED BY:	SJK	OF 104 SHEETS
APPROVED BY:	SJK	PROJECT DESCRIPTION
PROJECT NUMBER	120-030356	Huntwood Road ReConstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



CORPORATE OFFICE
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com

EDWARDSVILLE OFFICE
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com

ST. LOUIS OFFICE
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com

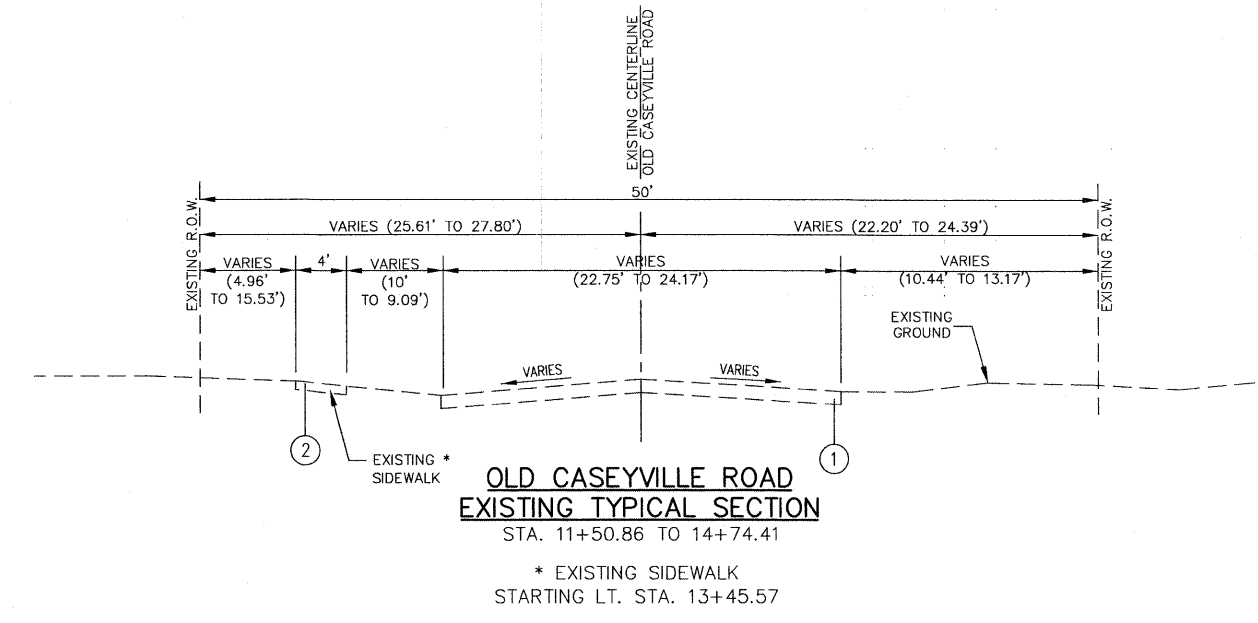
WATERLOO OFFICE
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

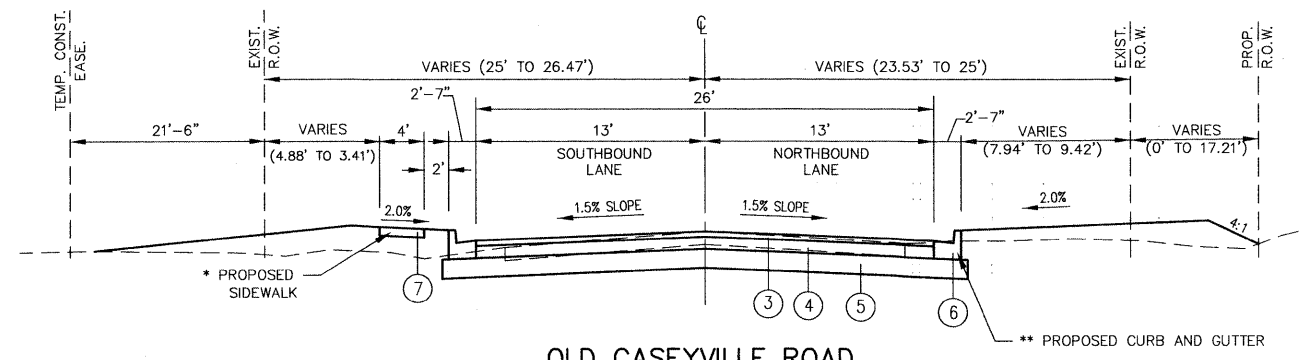
Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
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.



**OLD CASEYVILLE ROAD
EXISTING TYPICAL SECTION**
STA. 11+50.86 TO 14+74.41
* EXISTING SIDEWALK
STARTING LT. STA. 13+45.57

- LEGEND**
- ① EXISTING OIL AND CHIP PAVEMENT (THICKNESS VARIES)
 - ② EXISTING SIDEWALK
 - ③ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70, 2"
 - ④ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL19.0, N70, 8 1/2"
 - ⑤ PROPOSED LIME MODIFIED SOIL, 12"
 - ⑥ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
 - ⑦ PROPOSED P.C.C. SIDEWALK, 4"



**OLD CASEYVILLE ROAD
PROPOSED TYPICAL SECTION**
STA. 12+00.88 TO STA. 14+24.41
* PROPOSED SIDEWALK
LT. STA. 13+82.65 TO LT. STA. 14+74.41
** PROPOSED CURB AND GUTTER
STA. 11+77.03 TO STA. 14+24.41

**EXISTING AND PROPOSED TYPICAL SECTIONS
OLD CASEYVILLE ROAD**

**PROJECT
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY**

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	MLS	SHEET
DESIGNED BY:	MVH	5
CHECKED BY:	SJK	OF 104 SHEETS
APPROVED BY:	SJK	PROJECT DESCRIPTION
PROJECT NUMBER:	T20-030356	Huntwood Road ReConstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

P:\030356\dwg\Roadway\Plans\ROADWAY PLANS\030356 SCHD.dwg 5/23/2008 7:40:07 AM CDT

FEDERAL AID PROJECT	IDOT SECTION	COUNTY
ILLINOIS	04-00031-00-PV	ST. CLAIR
IDOT JOB NO. C-98-309-06		
IDOT CONTRACT NO. 97327		

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



CORPORATE OFFICE
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com

EDWARDSVILLE OFFICE
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com

ST. LOUIS OFFICE
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com

WATERLOO OFFICE
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	02-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	01-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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.

PAVEMENT MARKING SCHEDULE (CONTINUED FROM PREVIOUS SHEET)

LOCATION (STATION, DIRECTION)	TYPE	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (SQ FT)	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (FOOT)	THERMOPLASTIC PAVEMENT MARKING - LINE 8" (FOOT)	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (FOOT)	THERMOPLASTIC PAVEMENT MARKING - LINE 24" (FOOT)	PAINT PAVEMENT MARKING- LETTERS & SYMBOLS (SQFT)	PAINT PAVEMENT MARKING - LINE 4" (FOOT)	TEMPORARY PAVEMENT MARKING, LETTERS & SYMBOLS (SQ FT)	TEMPORARY PAVEMENT MARKING - LINE 4" (FOOT)	TEMPORARY PAVEMENT MARKING - LINE 8" (FOOT)	TEMPORARY PAVEMENT MARKING - LINE 12" (FOOT)	TEMPORARY PAVEMENT MARKING - LINE 24" (FOOT)	PAVEMENT MARKINGS REMOVAL (SQ FT)	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)
HUNTWOOD ROAD																			
60+27.82	LT								32.3										
61+35.00									31.2										
63+35.00									31.2										
65+53.40	LT																	6.0	15.0
65+35.00									31.2										
65+45.00	LT	67+30.00	LT																
65+55.00	LT	67+30.00	LT																
66+15.00	RT	67+30.00	RT																
66+15.00	RT	67+30.00	RT																
66+40.00																			
67+00.00																			
67+30.00																			
67+36.00																			
67+42.00																			
SUB-TOTAL																			
OLD CASEYVILLE ROAD																			
12+80.00																			
13+44.00																			
13+50.00																			
13+55.00																			
SUB-TOTAL																			
HUNTWOOD COURT																			
SUB-TOTAL																			
TWIN LAKE DRIVE																			
SUB-TOTAL																			
ILLINOIS ROUTE 159																			
193+60.00																			
193+61.89	RT																		
194+39.00																			
194+45.00																			
194+46.63	LT	194+51.63	LT																
194+48.63	LT																		
194+52.00																			
SUB-TOTAL																			
TOTAL																			

SCHEDULE OF QUANTITIES

PROJECT: **HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY**

REV	DATE	DESCRIPTION

DRAWN BY: BJC	SHEET
DESIGNED BY: BJC	12
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	Huntwood Road Reconstruction

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

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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

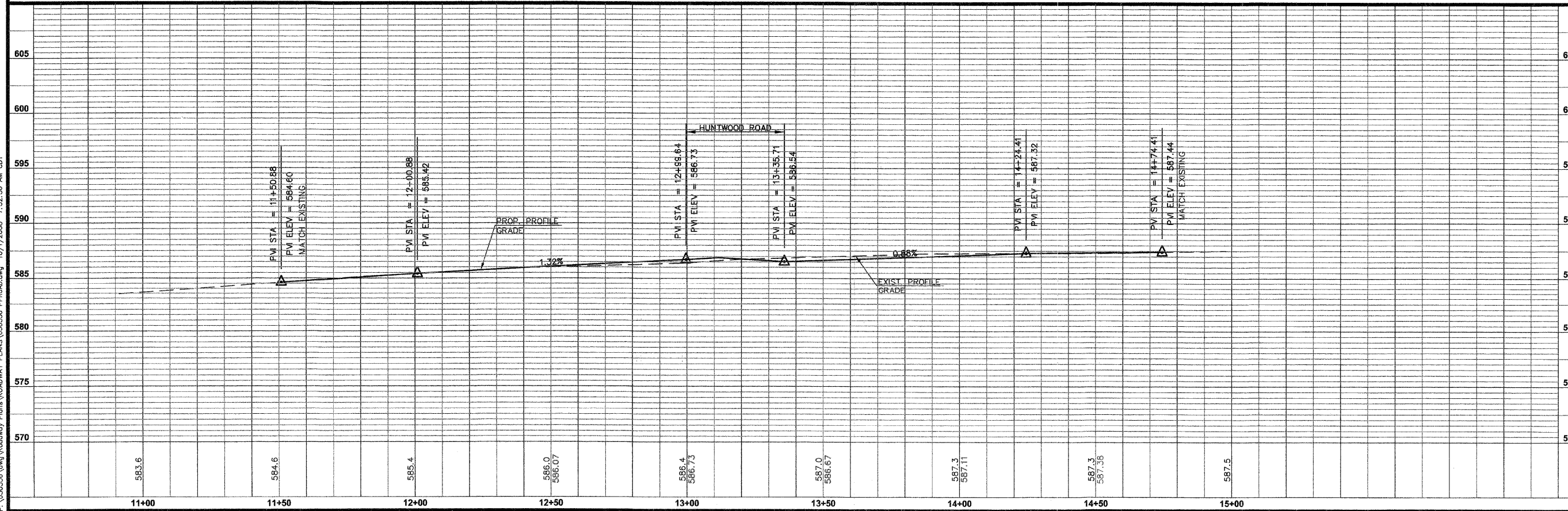
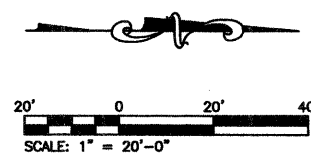
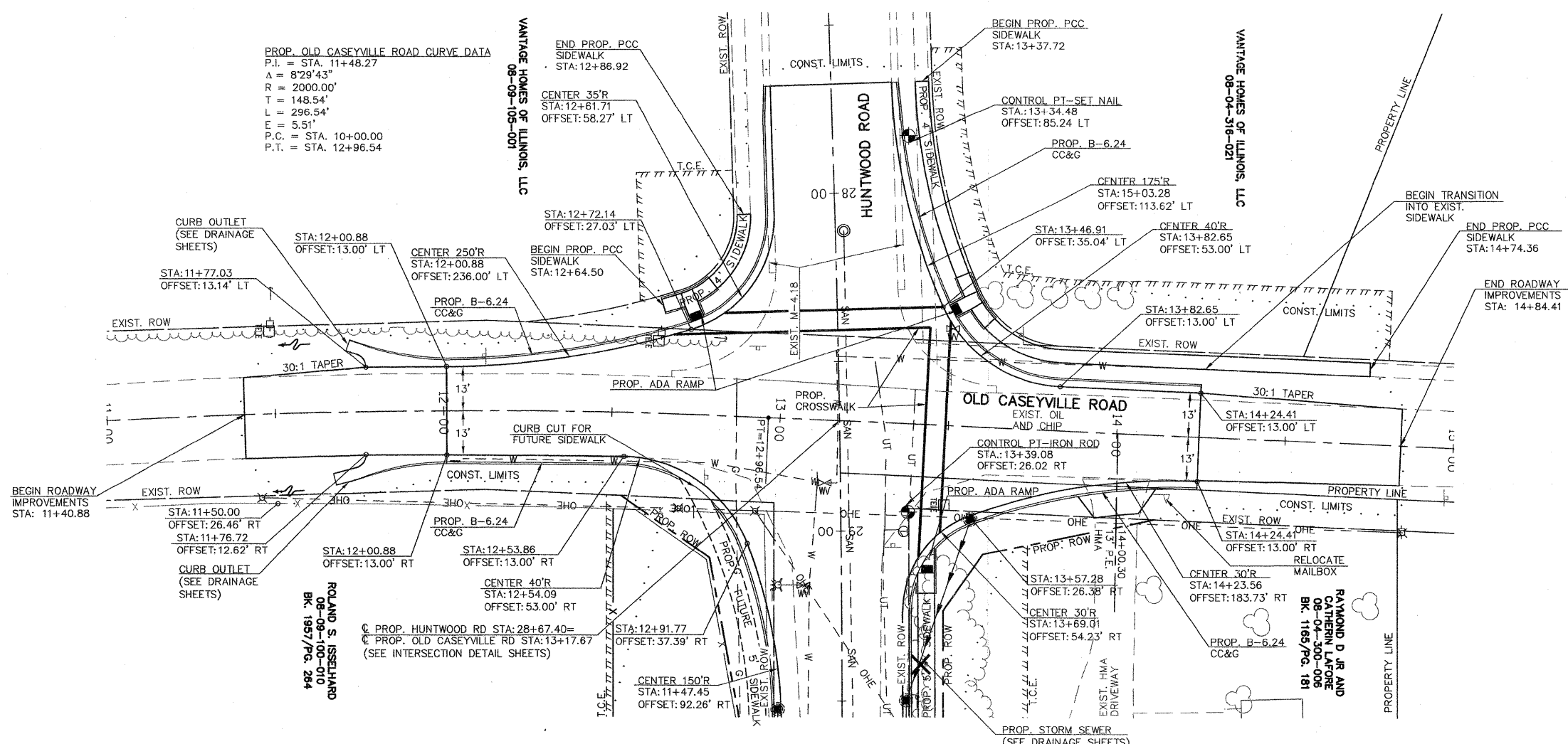


- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	02-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	01-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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.



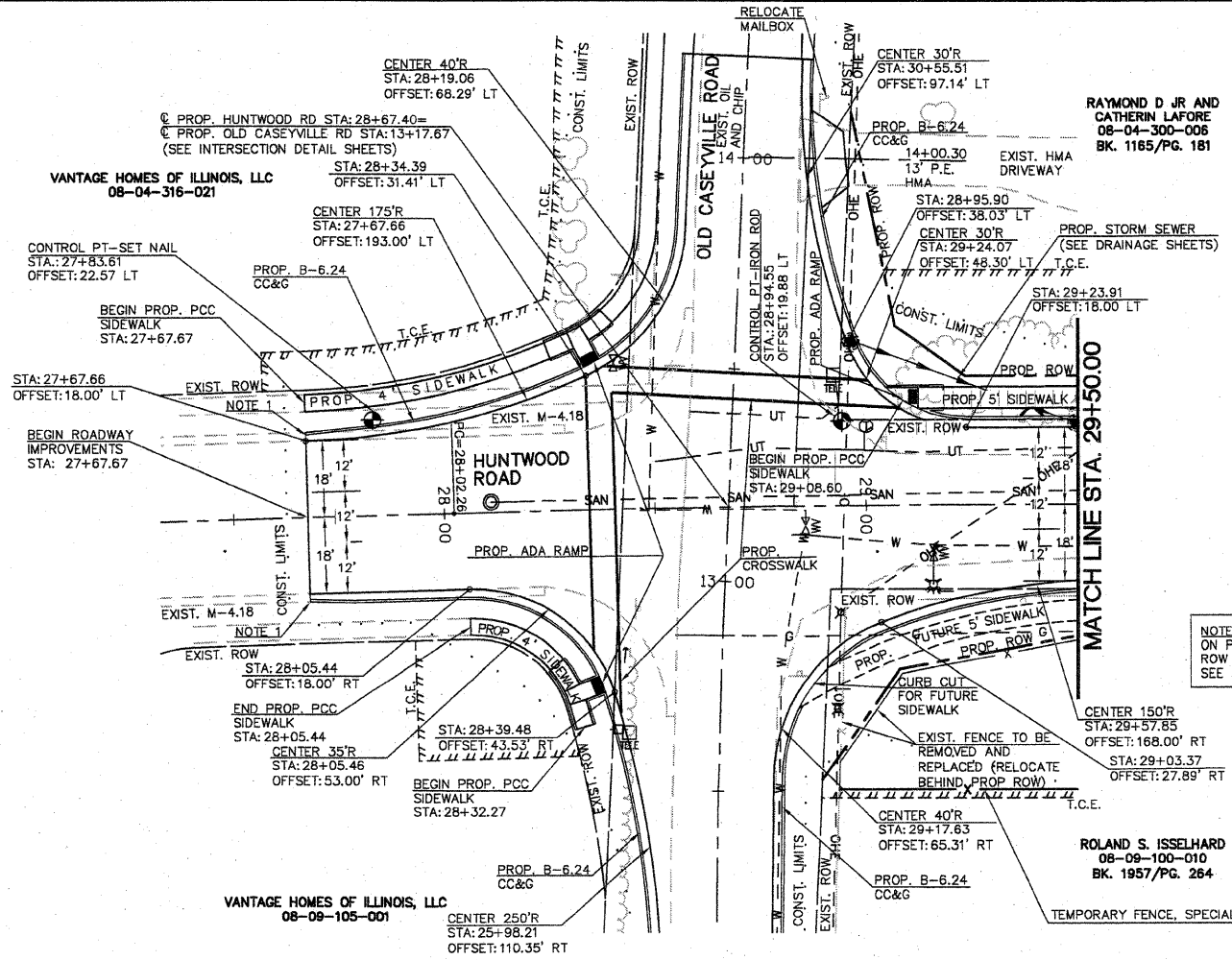
TITLE
ROADWAY PLAN AND PROFILE
OLD CASEYVILLE ROAD
STA. 12+00.88 TO STA. 14+24.41

PROJECT
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	MLS	SHEET
DESIGNED BY:	MLS	13
CHECKED BY:	SJK	OF 104 SHEETS
APPROVED BY:	SJK	PROJECT DESCRIPTION
PROJECT NUMBER:	T20-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

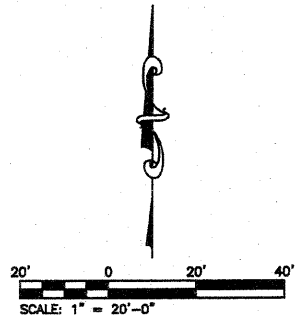
NOTE:
1. 10' TRANSITION OF COMBINATION CURB AND GUTTER FROM M-4.18 TO B-6.24. STA: 27+67.67.



PROP. HUNTWOOD ROAD CURVE DATA
 P.I. = STA. 28+77.85
 $\Delta = 1^{\circ}43'55''$
 $R = 5000.00'$
 $L = 75.59'$
 $E = 0.57'$
 $P.C. = STA. 28+02.26$
 $P.T. = STA. 29+53.44$

NOTE:
ON PARCEL 08-09-100-010, AREA DISTURBED SOUTH OF PR. ROW LINE WILL BE SEEDED WITH SEEDING SPECIAL, COMPLETE. SEE SCHEDULE.

ROLAND S. ISSELHARD
 08-09-100-010
 BK. 1957/PG. 264



FBI ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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

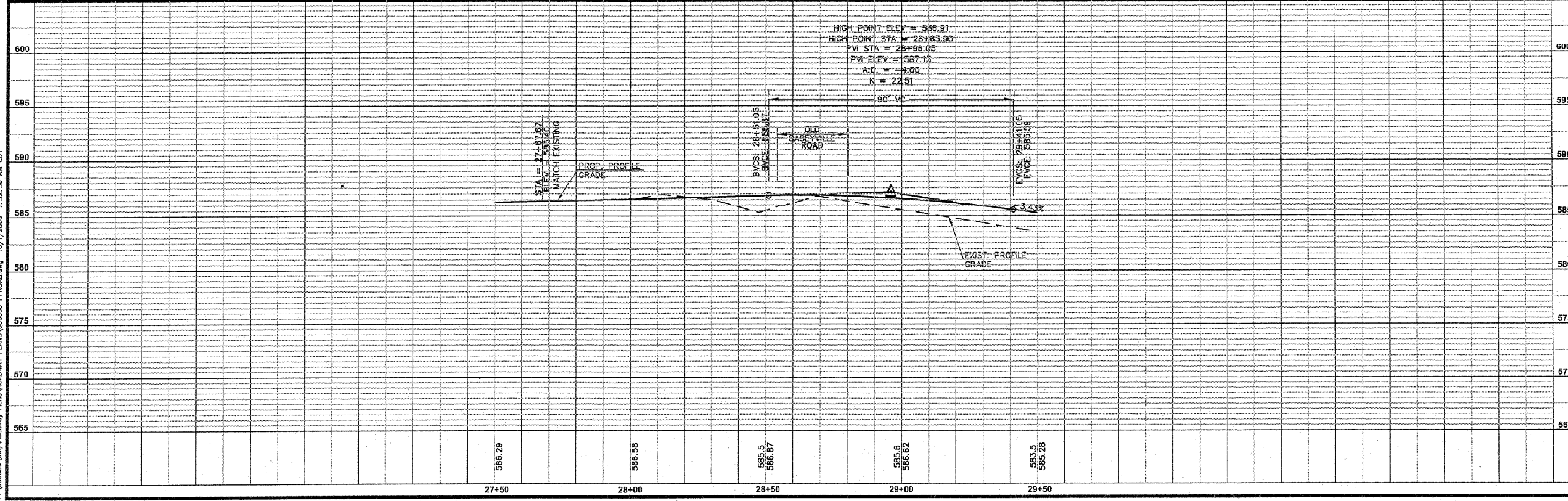


- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 10158 CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-01120
PROFESSIONAL ENGINEERING CORP.	62-036370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-050202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000229
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
 Signature Date: _____
 Expiration Date: _____

STATEMENT OF RESPONSIBILITY
 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.



TITLE: ROADWAY PLAN AND PROFILE
 HUNTWOOD ROAD
 STA. 27+67.67 TO STA. 29+50.00

PROJECT: HUNTWOOD ROAD RECONSTRUCTION
 VILLAGE OF SWANSEA
 ST. CLAIR COUNTY

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	MLS	SHEET	14
DESIGNED BY:	MLS	OF 104 SHEETS	
CHECKED BY:	SJK	PROJECT DESCRIPTION	Huntwood Road ReConstruction
APPROVED BY:	SJK	PROJECT NUMBER:	120-030356
<input checked="" type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING			

P:\030356.dwg Roadway Plans\ROADWAY PLANS\030356_PRRDAD.dwg 10/1/2008 7:52:36 AM CDT

NOTE:
ON PARCELS 08-04-300-008&08-04-300-018, CONCRETE POSTS/GATE, APPROXIMATE STA. 30+49.5 AND 32+01.8 SHALL BE REMOVED AND STOCKPILED AT A LOCATION AS DIRECTED BY THE PROPERTY OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING POSTS/GATE. THE CONTRACTOR SHALL REINSTALL THE EXISTING POSTS/GATE AT THE LOCATION DIRECTED BY THE PROPERTY OWNER. COST INCLUDED IN PROJECT AND NO ADDITIONAL PAYMENT WILL BE ALLOWED. PROVIDE DEPRESSED CURB FOR A 12' ENTRANCE ON HUNTHOOD ROAD. LOCATION TO BE DETERMINED IN FIELD WITH PROPERTY OWNER PRIOR TO CONSTRUCTION.

R/R ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-309-06		
IDOT CONTRACT NO. 97327		

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



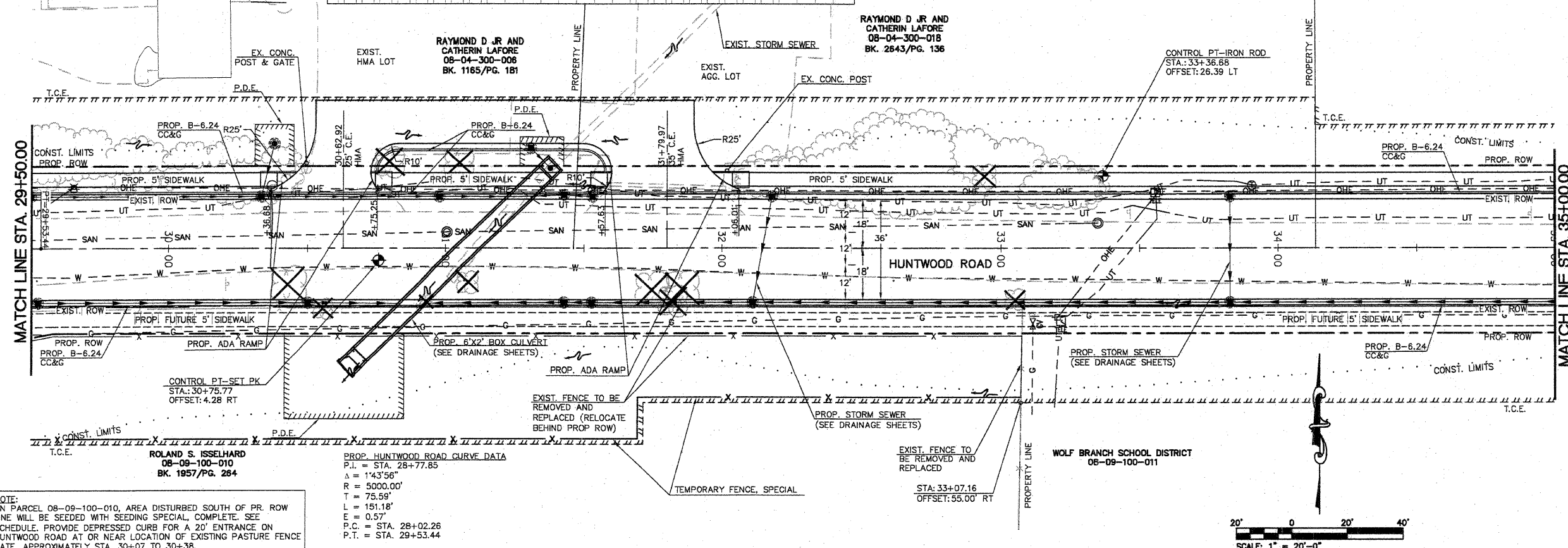
- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
10156 CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-002602
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

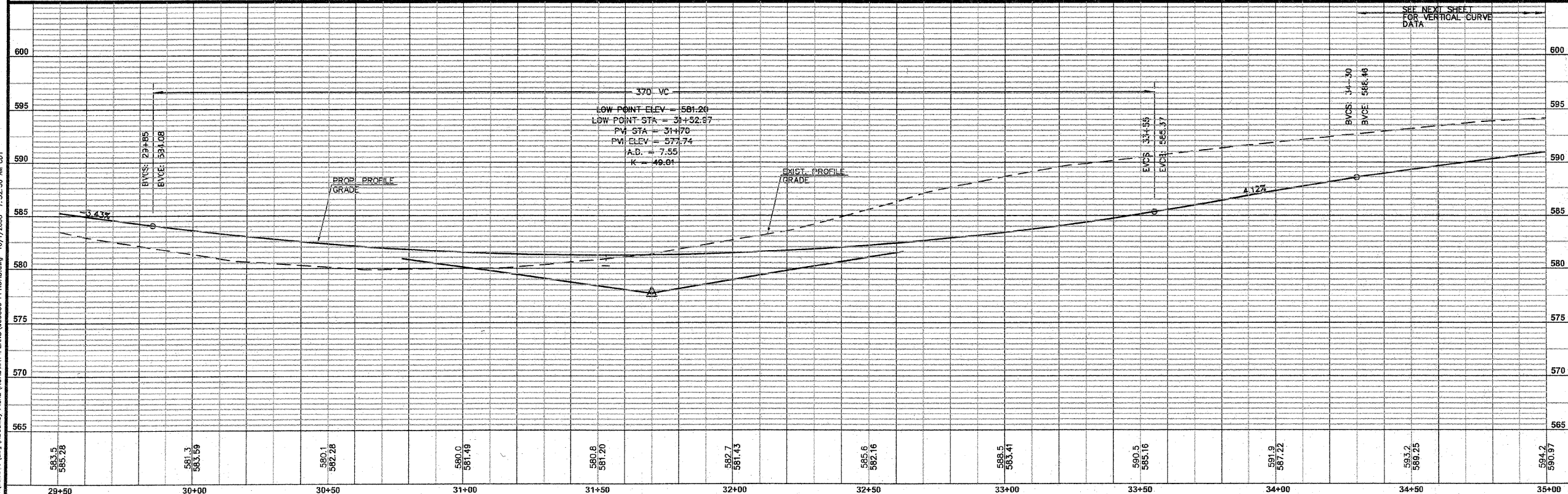
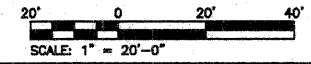
STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized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



NOTE:
ON PARCEL 08-09-100-010, AREA DISTURBED SOUTH OF PR. ROW LINE WILL BE SEEDED WITH SEEDING SPECIAL. COMPLETE. SEE SCHEDULE. PROVIDE DEPRESSED CURB FOR A 20' ENTRANCE ON HUNTHOOD ROAD AT OR NEAR LOCATION OF EXISTING PASTURE FENCE GATE, APPROXIMATELY STA. 30+07 TO 30+38.

ROLAND S. ISSELHARD
08-09-100-010
BK. 1957/Pg. 284

PROP. HUNTHOOD ROAD CURVE DATA
P.I. = STA. 28+77.85
A = 1'43'56"
R = 5000.00'
T = 75.59'
L = 151.18'
E = 0.57'
P.C. = STA. 28+02.26
P.T. = STA. 29+53.44



ROADWAY PLAN AND PROFILE
HUNTHOOD ROAD
STA. 29+50.00 TO STA. 35+00.00

HUNTHOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY: MLS	SHEET: 15
DESIGNED BY: MLS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION: Huntwood Road Reconstruction
APPROVED BY: SJK	PROJECT NUMBER: 120-030356
<input checked="" type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING	

- NOTE:**
- 10' TRANSITION OF COMBINATION CURB AND GUTTER FROM M-4.18 TO B-6.24. STA: 39+05.01 AND 39+34.00., OFFSET 48.00 LT.
 - 10' TRANSITION OF COMBINATION CURB AND GUTTER FROM B-6.18 TO B-6.24. STA: 35+51.10 AND 35+75.64., OFFSET 48.00 RT.
 - 10' TRANSITION OF COMBINATION CURB AND GUTTER FROM B-6.18 TO B-6.24. STA: 39+03.30 AND 39+38.07., OFFSET 48.00 RT.
- DENNIS & JANICE LANTER**
08-04-300-019

NOTE:
ON PARCELS 08-04-300-020 & 08-04-300-019, PROVIDE AGGREGATE DRIVEWAY WITH CONCRETE PAD AS DEPICTED. ADDITIONAL DRIVEWAY TO MATCH EXISTING SURFACE. SEE CROSS SECTIONS. COST HAS BEEN INCLUDED IN AGGREGATE AND CONCRETE ENTRANCE SCHEDULES. CONTRACTOR SHALL GRADE TO DRAIN AREA.

NOTE:
ON PARCEL 08-04-303-043, PROVIDE 2" PVC PIPE AND CONNECTOR TO CONNECT SUMP PUMP DRAIN TO AREA INLET. COST HAS BEEN INCLUDED IN SUMP PUMP LINE CONNECTION. CONTRACTOR TO REMOVE AND RE-ERECT EXISTING WOOD FENCE AND ADD PROP FENCE AS DEPICTED. PORTION OF FENCE WITH GATE SHALL BE REMOVED. CONTRACTOR SHALL INCLUDE GATE WITH LATCH ON THE PROP FENCE. LOCATION TO BE DETERMINED BY ENGINEER. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED. SEE SPECIAL PROVISIONS.

FED. ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



CORPORATE OFFICE
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com

EDWARDSVILLE OFFICE
10158 CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com

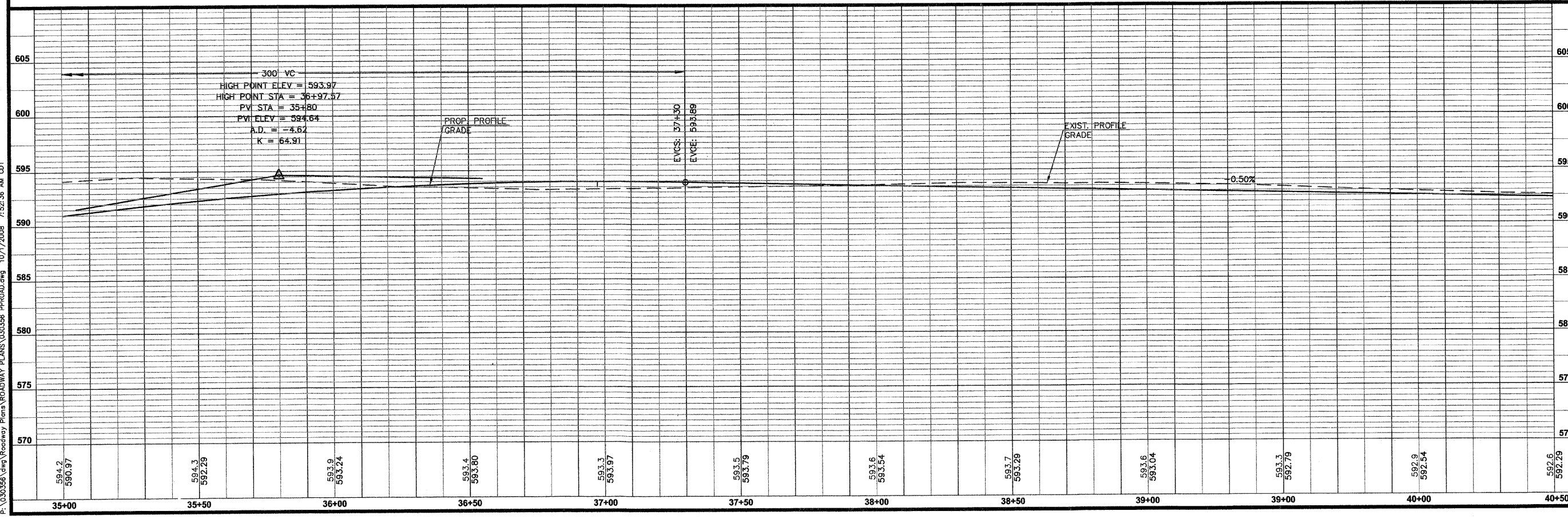
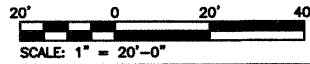
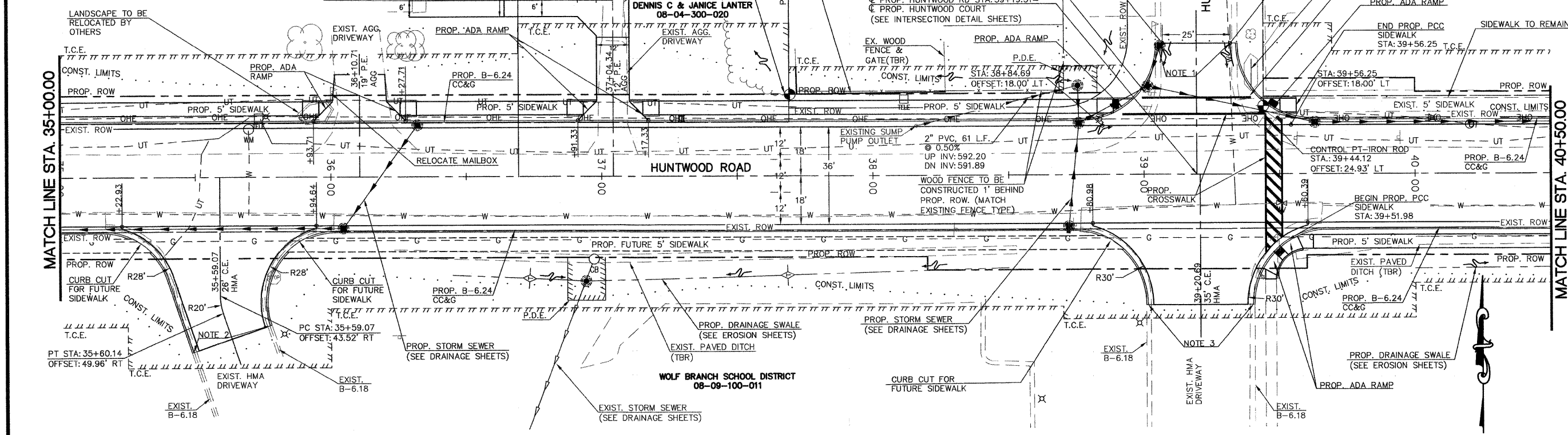
ST. LOUIS OFFICE
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com

WATERLOO OFFICE
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-000202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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:
ROADWAY PLAN AND PROFILE
HUNTWOOD ROAD
STA. 35+00.00 TO STA. 40+50.00

PROJECT:
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY	MLS	SHEET
DESIGNED BY	MLS	16
CHECKED BY	SJK	OF 104 SHEETS
APPROVED BY	SJK	PROJECT DESCRIPTION
PROJECT NUMBER	20-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

FBI ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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

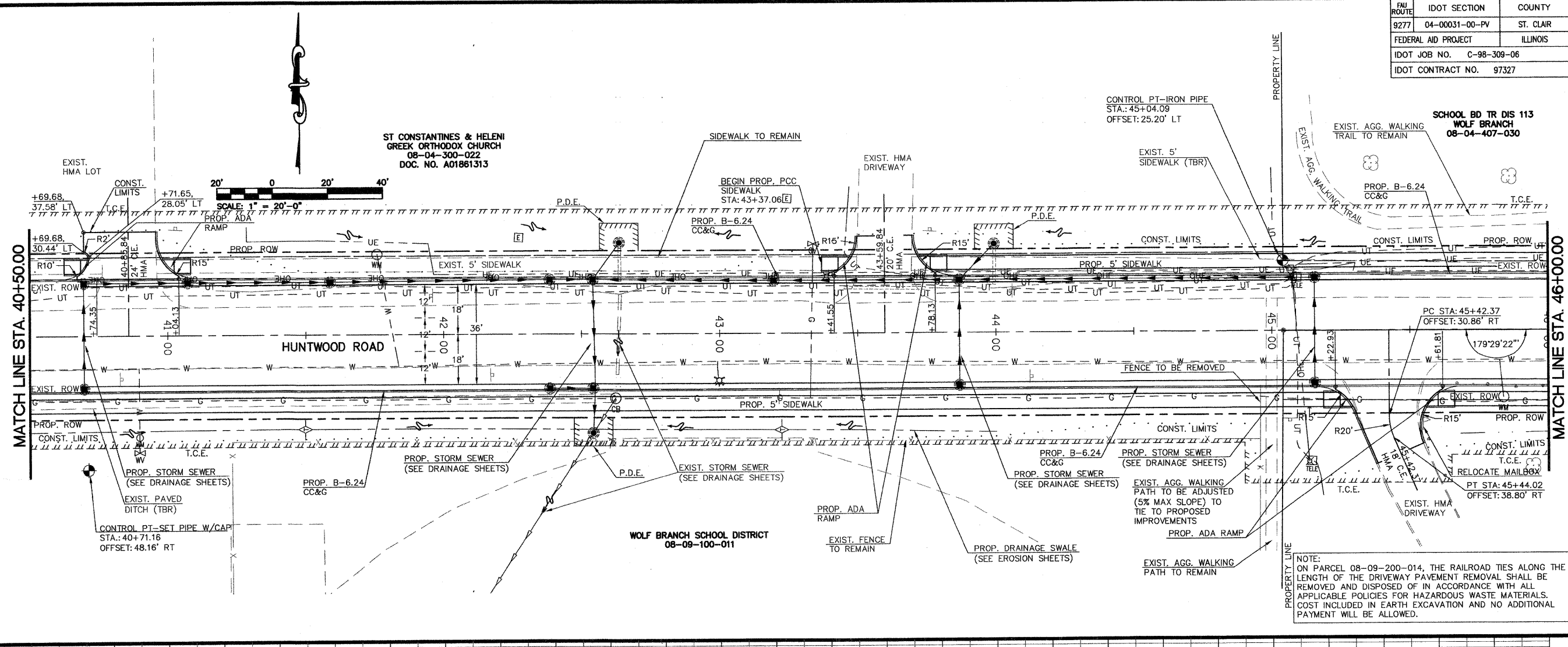


- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2184
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

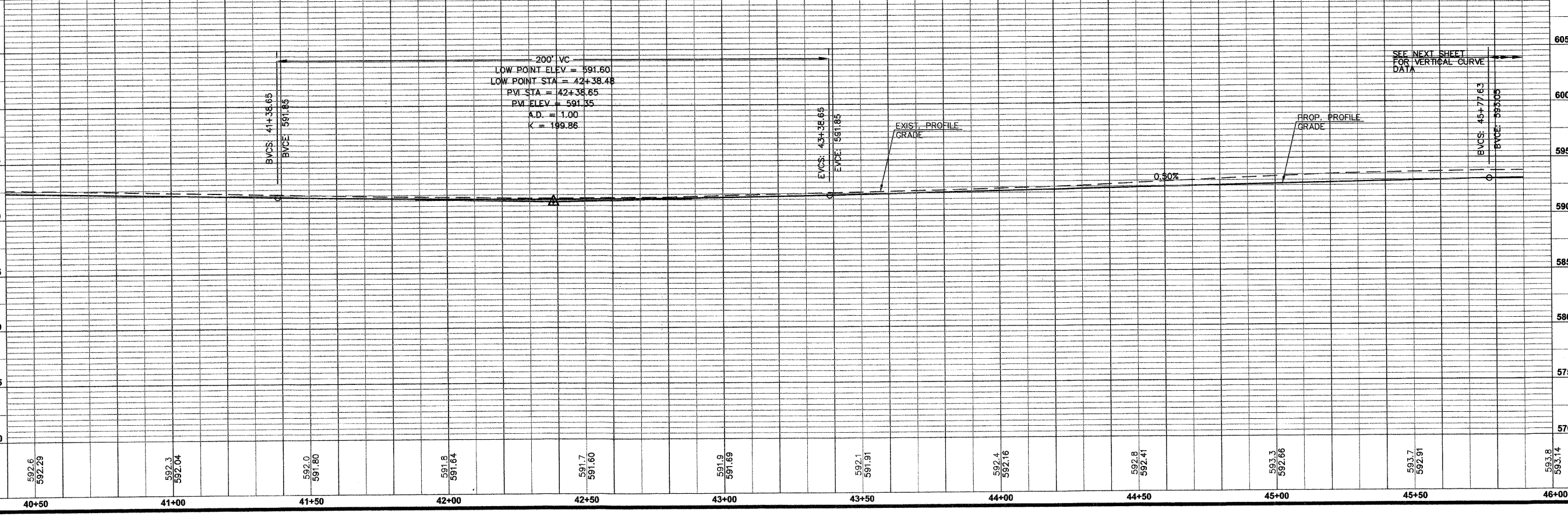
PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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.



NOTE: ON PARCEL 08-09-200-014, THE RAILROAD TIES ALONG THE LENGTH OF THE DRIVEWAY PAVEMENT REMOVAL SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE POLICIES FOR HAZARDOUS WASTE MATERIALS. COST INCLUDED IN EARTH EXCAVATION AND NO ADDITIONAL PAYMENT WILL BE ALLOWED.

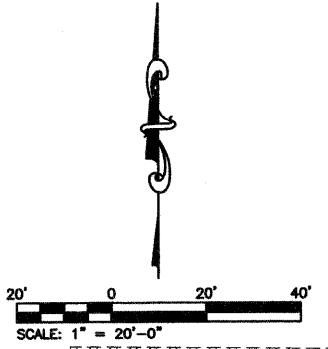


TITLE: ROADWAY PLAN AND PROFILE
HUNTWOOD ROAD
STA. 40+50.00 TO STA. 46+00.00

PROJECT: HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV	DATE	DESCRIPTION

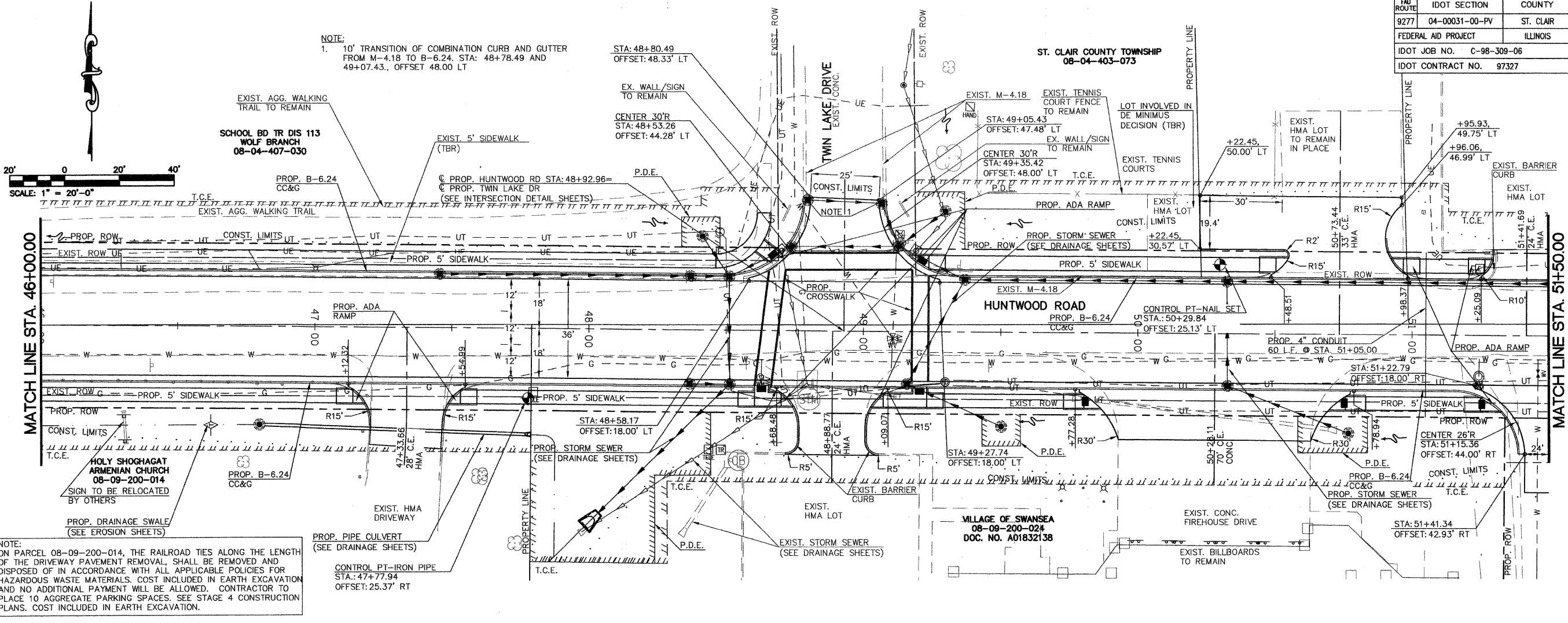
DRAWN BY:	MLS	SHEET 17 OF 104 SHEETS
DESIGNED BY:	MLS	
CHECKED BY:	SJK	
APPROVED BY:	SJK	
PROJECT NUMBER:	120-030356	PROJECT DESCRIPTION Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	



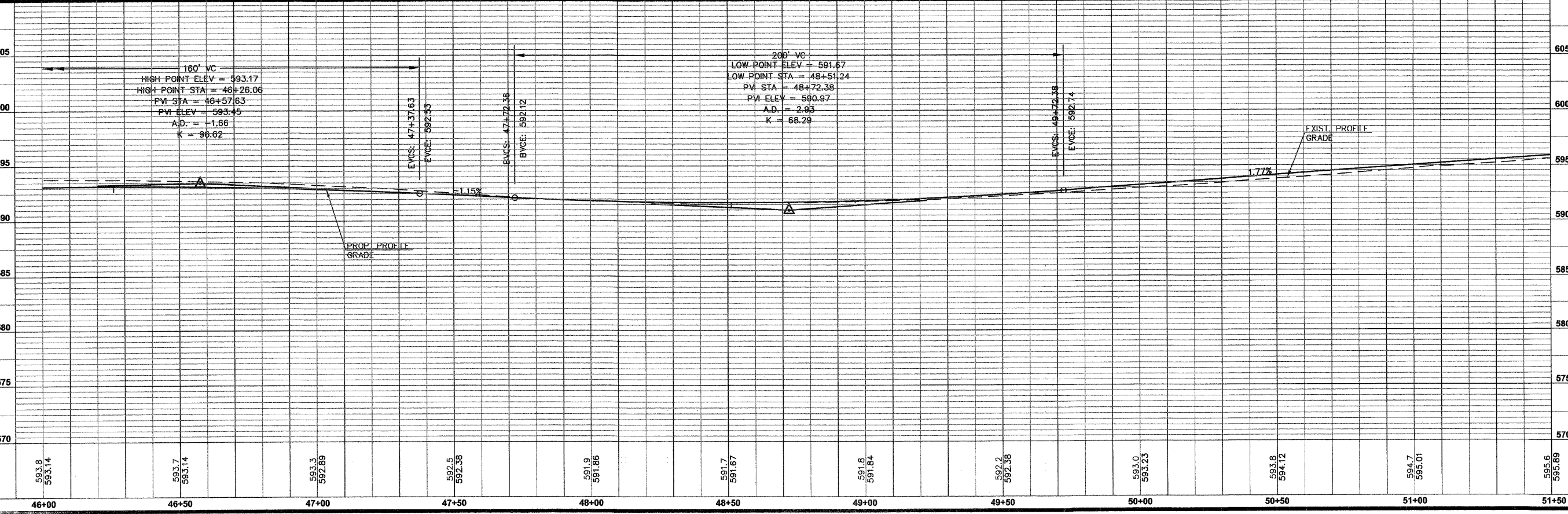
NOTE:
1. 10' TRANSITION OF COMBINATION CURB AND GUTTER FROM M-4.18 TO B-6.24. STA: 48+78.49 AND 49+07.43, OFFSET 48.00 LT

MATCH LINE STA. 46+00.00

MATCH LINE STA. 51+50.00



NOTE:
ON PARCEL 08-09-200-014, THE RAILROAD TIES ALONG THE LENGTH OF THE DRIVEWAY PAVEMENT REMOVAL, SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE POLICIES FOR HAZARDOUS WASTE MATERIALS. COST INCLUDED IN EARTH EXCAVATION AND NO ADDITIONAL PAYMENT WILL BE ALLOWED. CONTRACTOR TO PLACE 10 AGGREGATE PARKING SPACES. SEE STAGE 4 CONSTRUCTION PLANS. COST INCLUDED IN EARTH EXCAVATION.



FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		
ILLINOIS		
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

ST. CLAIR COUNTY TOWNSHIP
08-04-403-073

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
10158 CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be substantiated 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.

ROADWAY PLAN AND PROFILE
HUNTWOOD ROAD
STA. 46+00.00 TO STA. 51+50.00

PROJECT
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	MLS	SHEET
DESIGNED BY:	MLS	18
CHECKED BY:	SJK	OF 104 SHEETS
APPROVED BY:	SJK	PROJECT DESCRIPTION
PROJECT NUMBER:	T20-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

FBI ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



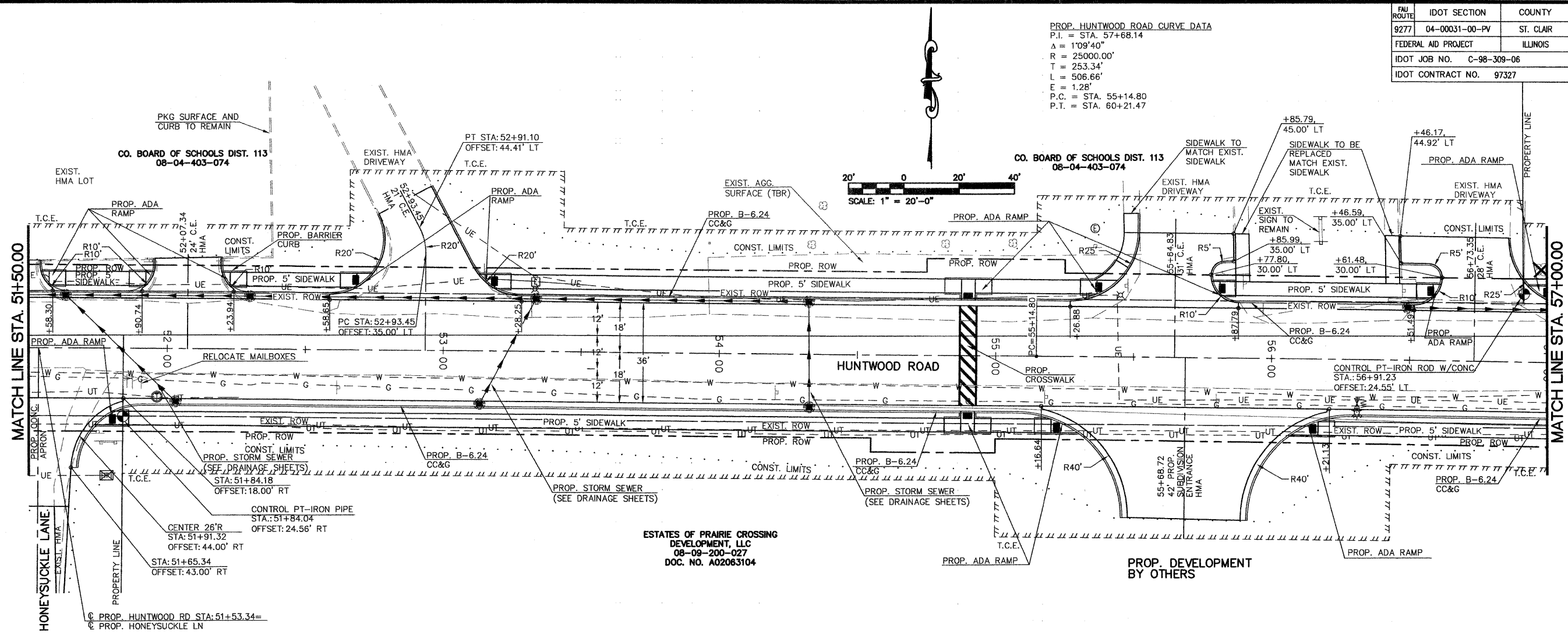
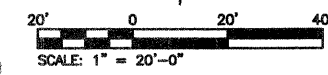
- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	046-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

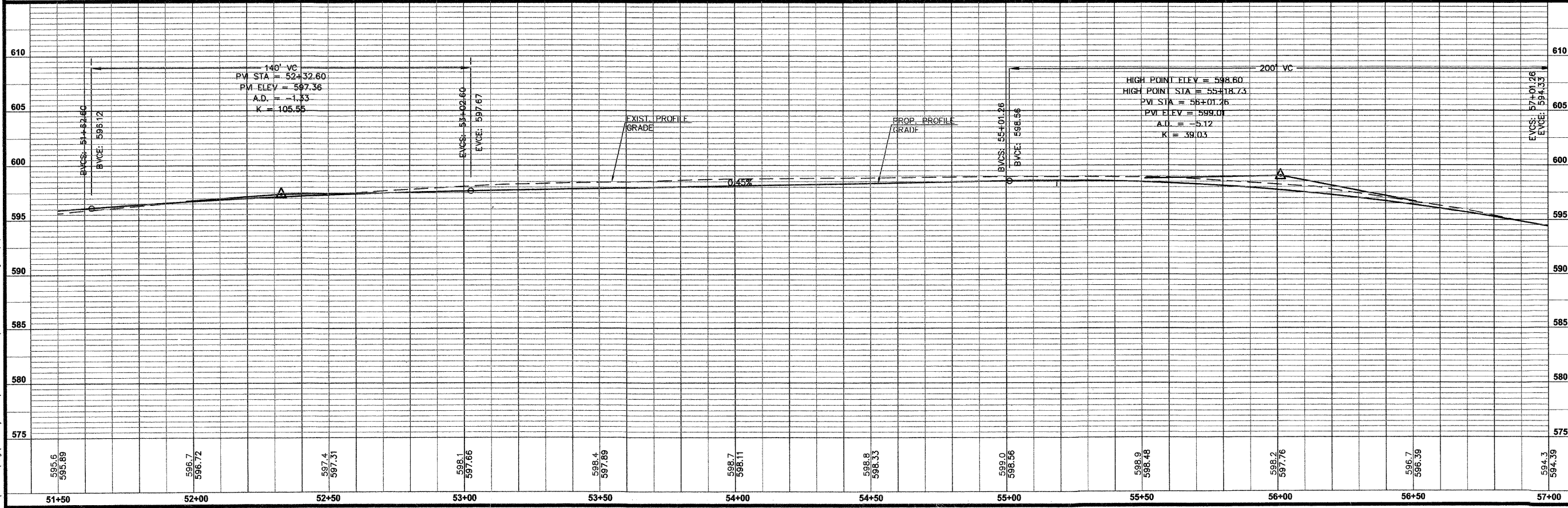
Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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.

PROP. HUNTWOOD ROAD CURVE DATA
P.I. = STA. 57+68.14
A = 1'09'40"
R = 25000.00'
T = 253.34'
L = 506.66'
E = 1.28'
P.C. = STA. 55+14.80
P.T. = STA. 60+21.47



ESTATES OF PRAIRIE CROSSING DEVELOPMENT, LLC
08-09-200-027
DOC. NO. A02063104



TITLE
ROADWAY PLAN AND PROFILE
HUNTWOOD ROAD
STA. 51+50.00 TO STA. 57+00.00

PROJECT
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY:	MLS	SHEET	19
DESIGNED BY:	MLS	OF 104 SHEETS	
CHECKED BY:	SJK	PROJECT DESCRIPTION	Huntwood Road Reconstruction
APPROVED BY:	SJK	PROJECT NUMBER	T20-030356
<input checked="" type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING			

PROP. HUNTWOOD ROAD CURVE DATA
 P.I. = STA. 57+68.14
 A = 1'09"40"
 R = 25000.00'
 T = 253.34'
 L = 506.66'
 E = 1.28'
 P.C. = STA. 55+14.80
 P.T. = STA. 60+21.47

NOTE:
 1. 10' TRANSITION OF COMBINATION CURB AND GUTTER FROM M-4.18 TO B-6.24. STA: 60+28.02 AND 60+55.93, OFFSET 33.00 RT

NOTE:
 ON PARCEL 08-04-403-058, TWO TREES ADJACENT TO EXISTING HMA DRIVEWAY TO REMAIN. (APPROXIMATE STA 58+30 AND 58+60 65' LT). TREES ALSO TO REMAIN: STA 57+16.65 LT, 57+38.89 LT, AND 57+61.81 LT

FBI ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

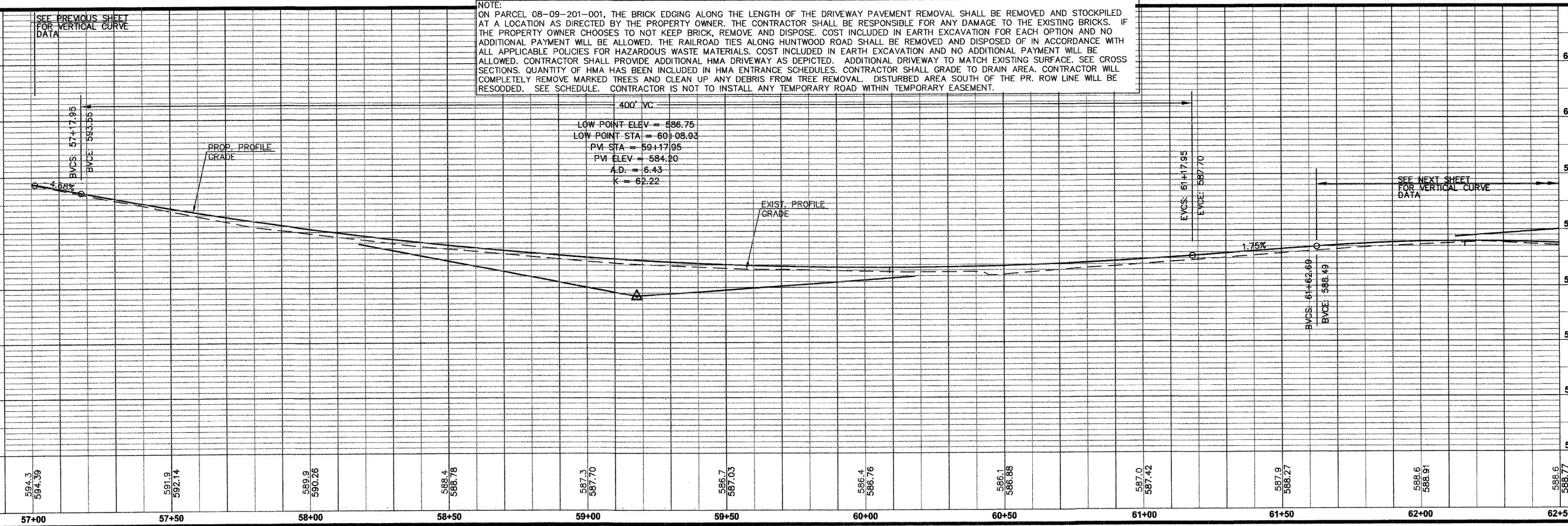
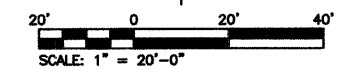
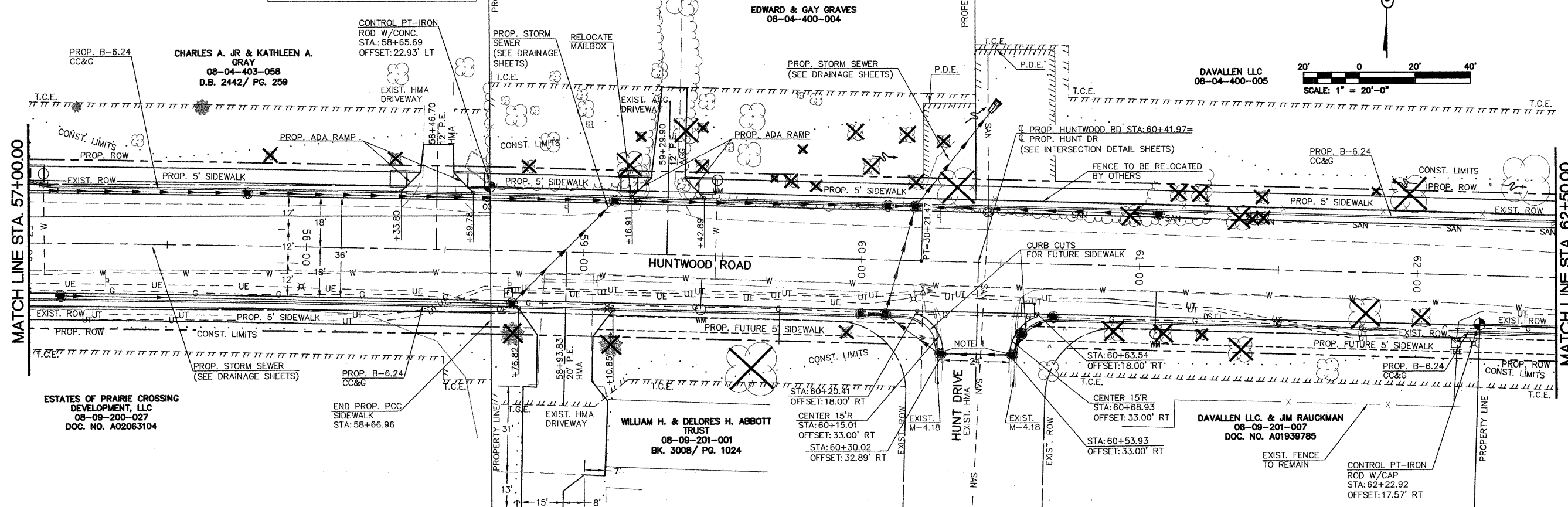
THOUVENOT, WADE & MOERCHEN, INC.
 ENGINEERS ♦ SURVEYORS ♦ PLANNERS



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 10158 CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
 Signature Date: _____
 Expiration Date: _____
STATEMENT OF RESPONSIBILITY
 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.



NOTE:
 ON PARCEL 08-09-201-001, THE BRICK EDGING ALONG THE LENGTH OF THE DRIVEWAY PAVEMENT REMOVAL SHALL BE REMOVED AND STOCKPILED AT A LOCATION AS DIRECTED BY THE PROPERTY OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE EXISTING BRICKS. IF THE PROPERTY OWNER CHOOSES TO NOT KEEP BRICK, REMOVE AND DISPOSE. COST INCLUDED IN EARTH EXCAVATION FOR EACH OPTION AND NO ADDITIONAL PAYMENT WILL BE ALLOWED. THE RAILROAD TIES ALONG HUNTWOOD ROAD SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE POLICIES FOR HAZARDOUS WASTE MATERIALS. COST INCLUDED IN EARTH EXCAVATION AND NO ADDITIONAL PAYMENT WILL BE ALLOWED. CONTRACTOR SHALL PROVIDE ADDITIONAL HMA DRIVEWAY AS DEPICTED. ADDITIONAL DRIVEWAY TO MATCH EXISTING SURFACE. SEE CROSS SECTIONS. QUANTITY OF HMA HAS BEEN INCLUDED IN HMA ENTRANCE SCHEDULES. CONTRACTOR SHALL GRADE TO DRAIN AREA. CONTRACTOR WILL COMPLETELY REMOVE MARKED TREES AND CLEAN UP ANY DEBRIS FROM TREE REMOVAL. DISTURBED AREA SOUTH OF THE PR. ROW LINE WILL BE RESODDED. SEE SCHEDULE. CONTRACTOR IS NOT TO INSTALL ANY TEMPORARY ROAD WITHIN TEMPORARY EASEMENT.

400' VC
 LOW POINT ELEV = 586.75
 LOW POINT STA = 60+08.93
 PVI STA = 59+17.95
 PVI ELEV = 584.20
 A.D. = 6.43
 K = 62.22

ROADWAY PLAN AND PROFILE
HUNTWOOD ROAD
STA. 57+00.00 TO STA. 62+50.00

PROJECT:
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV	DATE	DESCRIPTION

DRAWN BY:	MLS	SHEET
DESIGNED BY:	MLS	20
CHECKED BY:	SJK	OF 104 SHEETS
APPROVED BY:	SJK	PROJECT DESCRIPTION
PROJECT NUMBER:	T20-030356	Huntwood Road Reconstruction

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

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



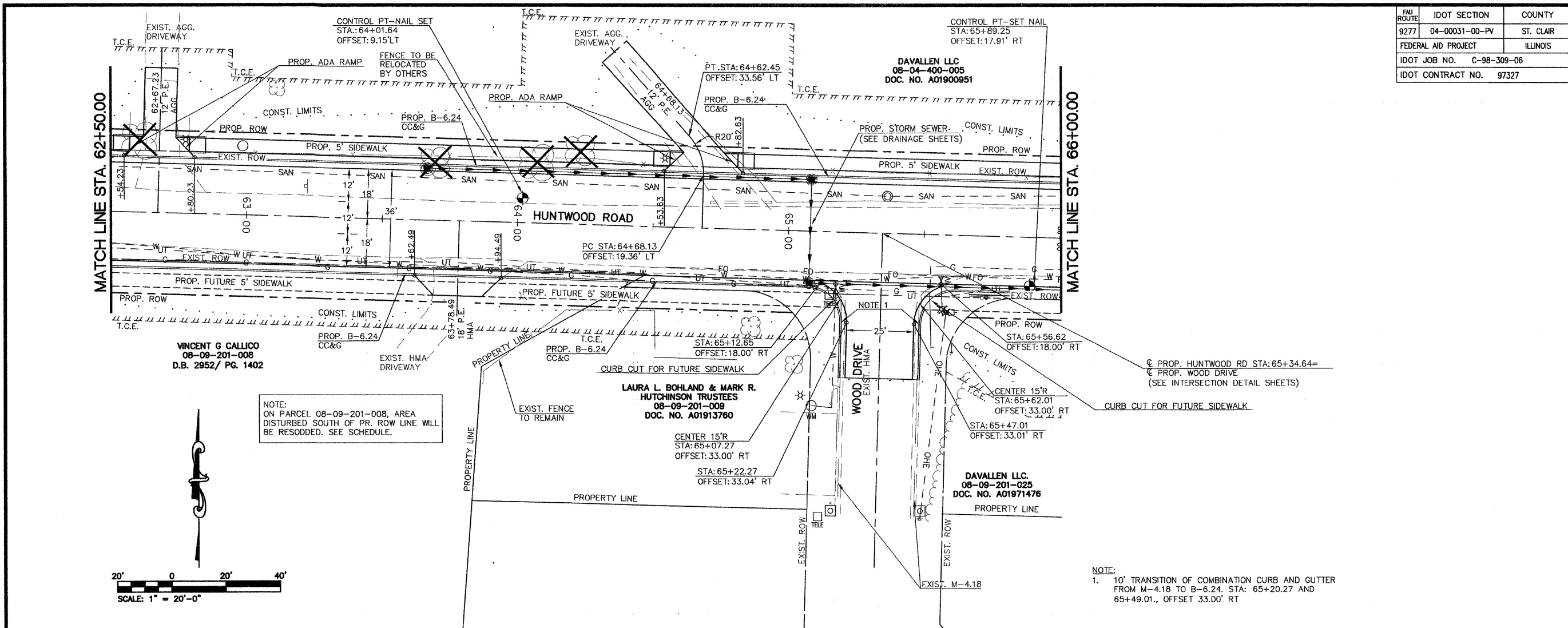
- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
10158 CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	046-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

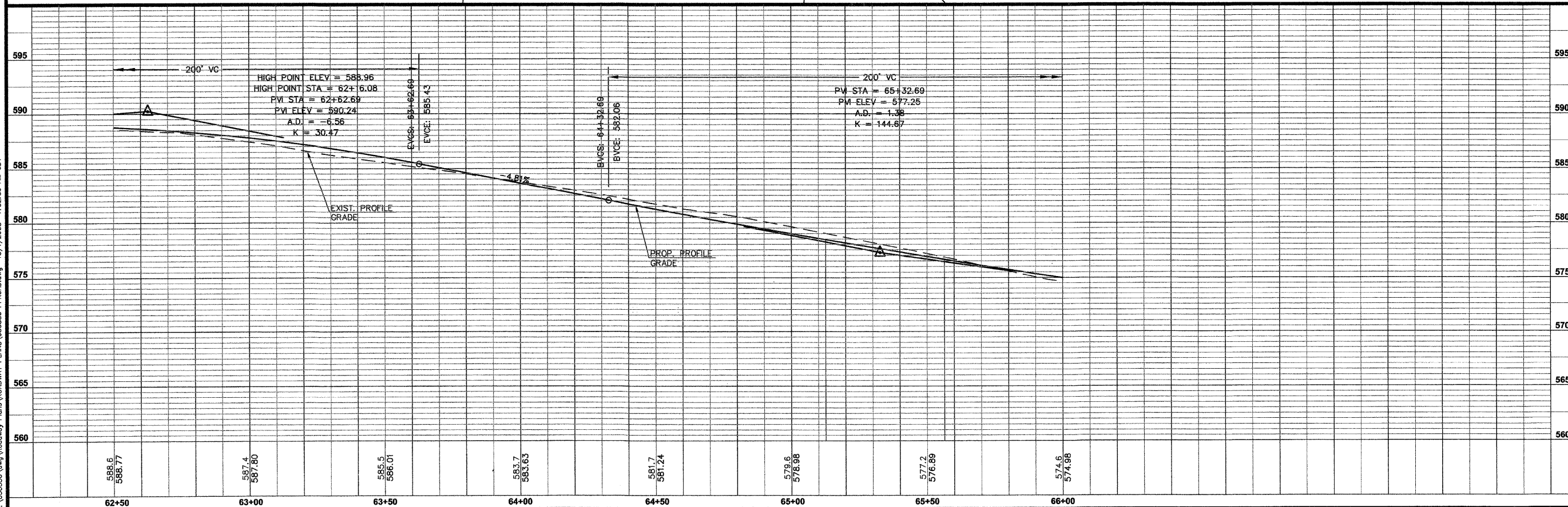
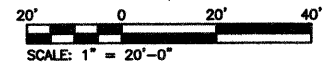
Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
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.



NOTE:
ON PARCEL 08-09-201-008, AREA DISTURBED SOUTH OF PR. ROW LINE WILL BE RESODDED. SEE SCHEDULE.

NOTE:
1. 10' TRANSITION OF COMBINATION CURB AND GUTTER FROM M-4.18 TO B-6.24. STA: 65+20.27 AND 65+49.01, OFFSET 33.00' RT



TITLE
ROADWAY PLAN AND PROFILE
HUNTWOOD ROAD
STA. 62+50.00 TO STA. 66+00.00

PROJECT
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	MLS	SHEET
DESIGNED BY:	MLS	21
CHECKED BY:	SJK	OF 104 SHEETS
APPROVED BY:	SJK	PROJECT DESCRIPTION
PROJECT NUMBER:	T20-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

P:\030356\dwg\Roadway Plans\ROADWAY PLANS\030356 PPRD.dwg 10/1/2008 7:52:36 AM CDT

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-309-06		
IDOT CONTRACT NO. 97327		

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

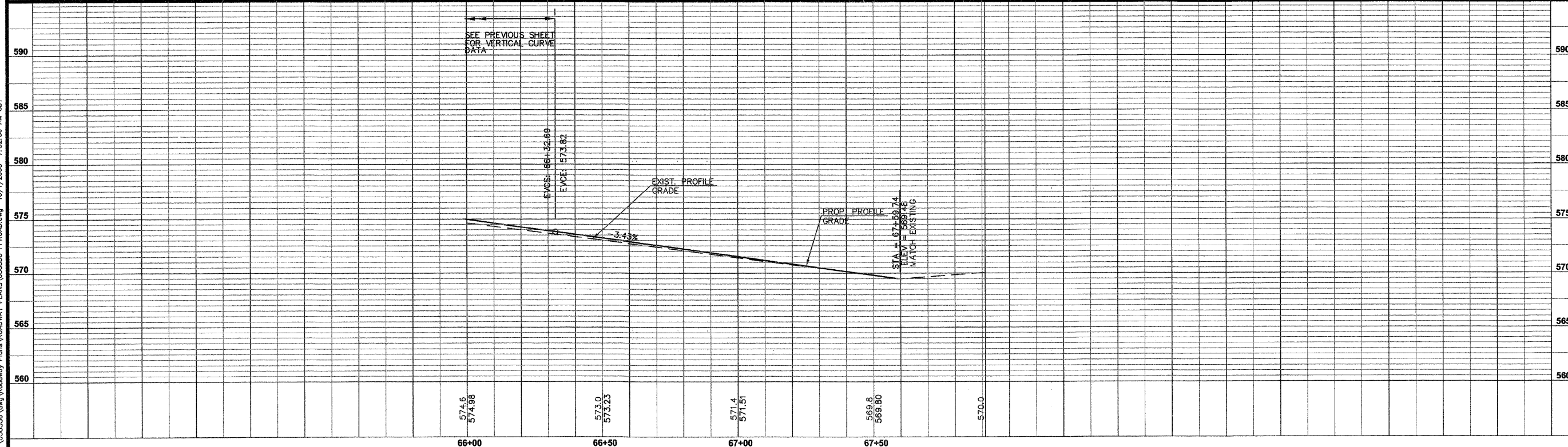
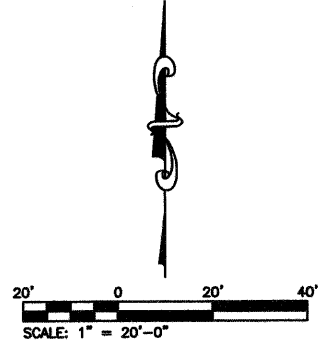
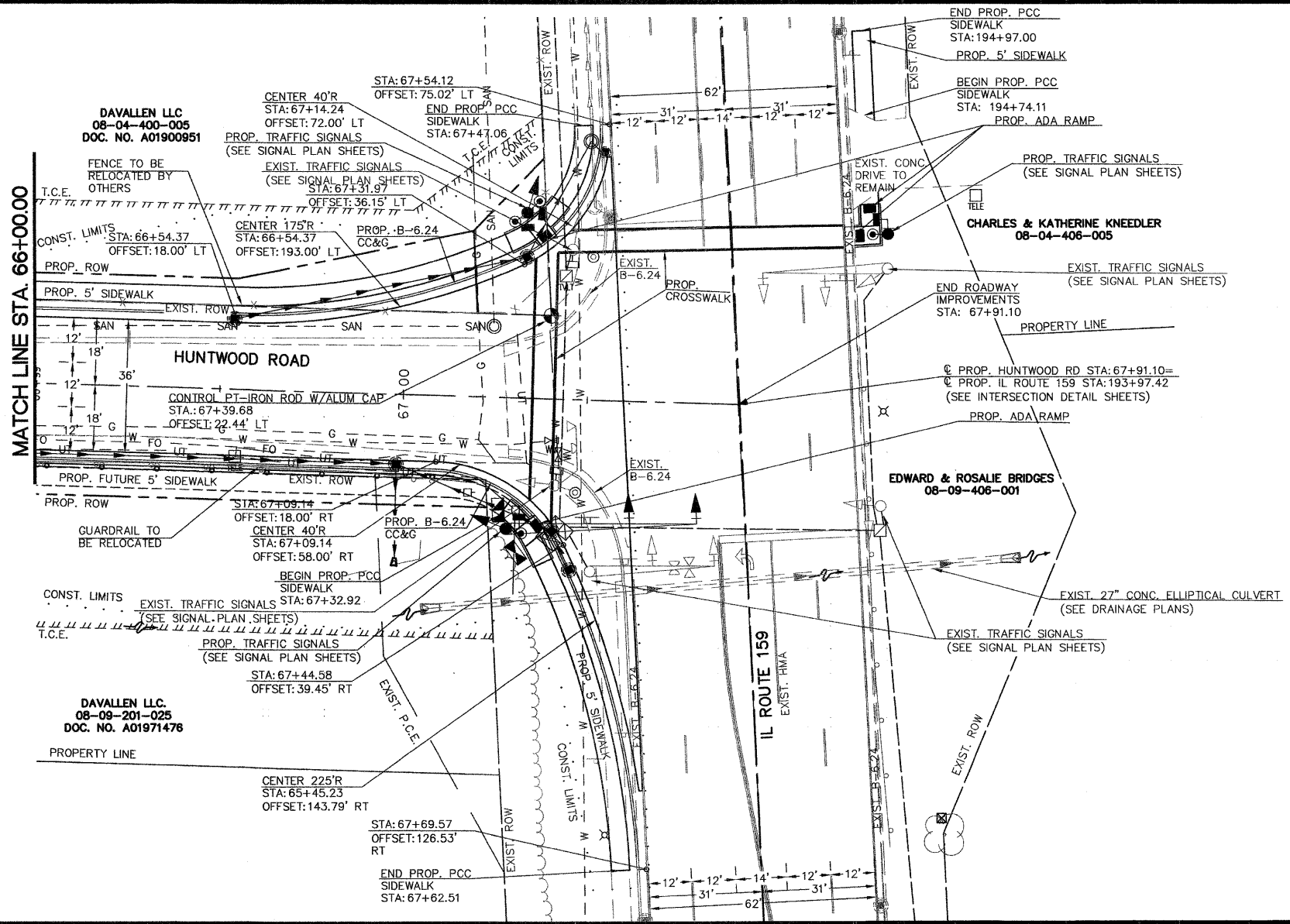


- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000028
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be submitted 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: ROADWAY PLAN AND PROFILE
HUNTWOOD ROAD
STA. 66+00.00 TO STA. 67+69.57

PROJECT: HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	MLS	SHEET
DESIGNED BY:	MLS	22
CHECKED BY:	SJK	OF 104 SHEETS
APPROVED BY:	SJK	PROJECT DESCRIPTION
PROJECT NUMBER:	T20-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING		

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-309-06		
IDOT CONTRACT NO. 97327		

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



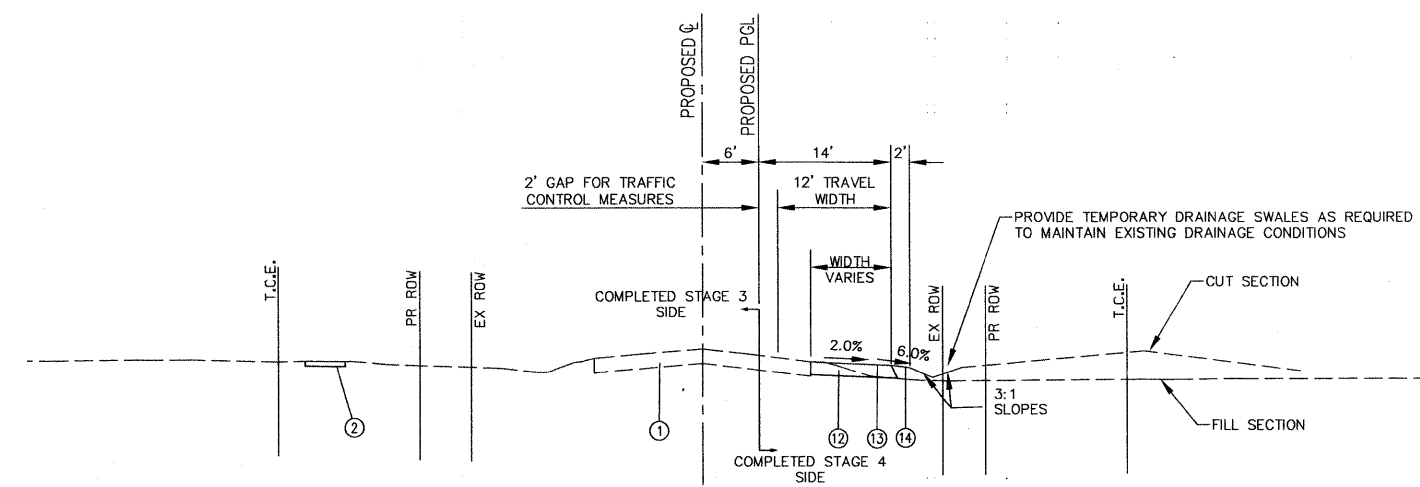
- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

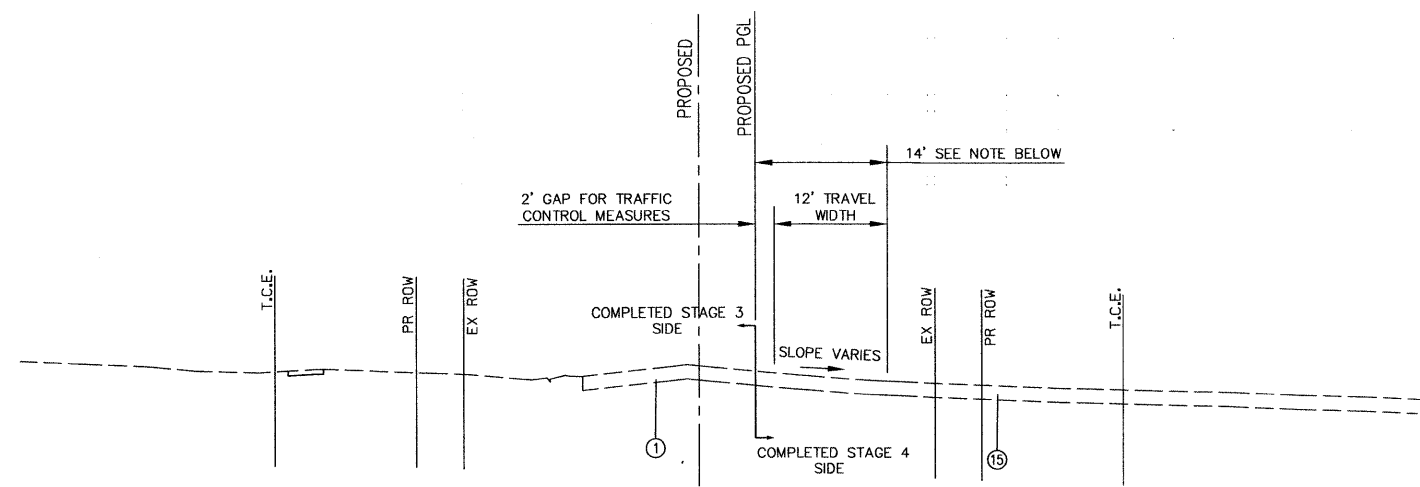
STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized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



**HUNTWOOD ROAD PROPOSED RUNAROUND CONSTRUCTION
REQUIRED FOR COMPLETION OF STAGE III**
STA. 37+50.00 TO STA. 55+00.00

LEGEND

- ① EXISTING OIL AND CHIP PAVEMENT (THICKNESS VARIES)
- ② EXISTING SIDEWALK
- ③ EXISTING COMBINATION CURB & GUTTER, TYPE M-4.18
- ④ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70, 2"
- ⑤ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL19.0, N70, 8 1/2"
- ⑥ PROPOSED LIME MODIFIED SOIL, 12"
- ⑦ PROPOSED 4" SOLID YELLOW LINE
- ⑧ PROPOSED YELLOW SKIP DASHES
- ⑨ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑩ PROPOSED SIDEWALK, 4"
- ⑪ PROPOSED FUTURE SIDEWALK
- ⑫ PROPOSED AGGREGATE BASE COURSE, TYPE B, 8"
- ⑬ BITUMINOUS SURFACE TREATMENT, CLASS A2
- ⑭ EARTH SHOULDERS
- ⑮ EXISTING ENTRANCE PAVEMENT



**HUNTWOOD ROAD PROPOSED RUNAROUND CONSTRUCTION
REQUIRED FOR COMPLETION OF STAGE III**

NOTE:
CONTRACTOR TO UTILIZE EXISTING PAVEMENT OF EXISTING ENTRANCES FOR TRAFFIC TO USE ON THE RUNAROUND ALIGNMENT. ALL EXISTING CONCRETE CURB WITHIN THE TEMPORARY CONSTRUCTION EASEMENTS SHALL BE REMOVED PRIOR TO PLACEMENT OF THE AGGREGATE FOR THE RUNAROUND.

CONTRACTOR IS RESPONSIBLE FOR PROVIDING 50' GROSS SLOPE TRANSITIONS BEFORE AND AFTER THE ENTRANCES TO CONVERT THE TYPICAL 2.0% GROSS SLOPE OF THE RUNAROUND TO MATCH THE EXISTING SLOPE OF THE ENTRANCE. THIS IS TO PROVIDE SAFE TRANSITIONS BETWEEN DRIVEWAYS.

STAGE CONSTRUCTION AND TRAFFIC CONTROL TYPICAL SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: MVH	SHEET
DESIGNED BY: MVH	23
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: 20-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

ROAD CLOSED

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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

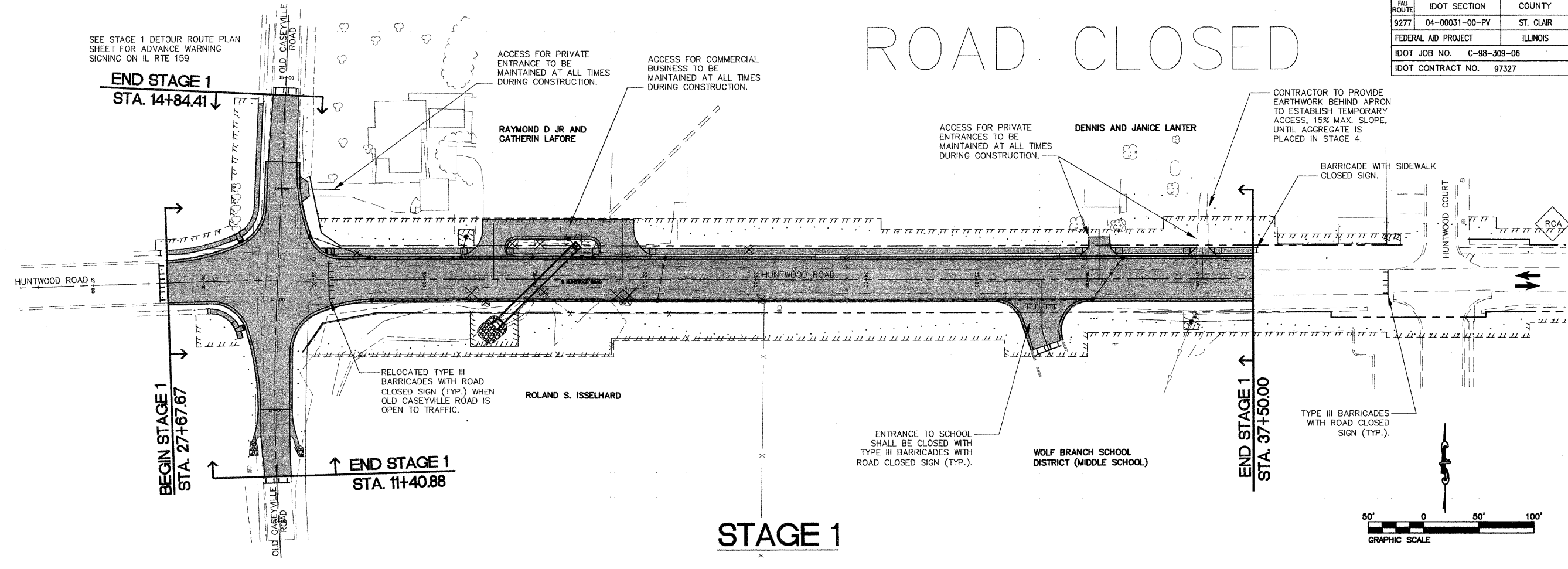


- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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.



ALL STAGED CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL FOLLOW THE CONSTRUCTION STAGES AND SEQUENCING OF THE STAGES AS SHOWN.
- ALL HMA SURFACE COURSE AND PERMANENT PAVEMENT MARKINGS SHALL BE COMPLETED AFTER ALL STAGE CONSTRUCTION IS COMPLETE.
- ALL TRAFFIC CONTROL MEASURES SHALL BE LIGHTED.
- THE CONTRACTOR WILL BE PERMITTED TO UTILIZE THE EXISTING HUNTWOOD ROAD PAVEMENT FOR THE TRANSPORT OF EXCESS CUT BETWEEN STAGES.
- SHOULD THE CONTRACTOR ELECT TO UTILIZE A SEPARATE HAUL ROAD FOR THE TRANSPORT OF EXCESS MATERIAL, THE CONTRACTOR IS RESPONSIBLE FOR THE USE OF WATER FOR DUST CONTROL. THE ENGINEER SHALL ESTABLISH THE APPLICATION RATE. ALL COSTS INCLUDED IN THE COST OF CONTRACT.
- THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL ACCORDING TO APPLICABLE HIGHWAY STANDARDS INCLUDED IN THESE PLANS WHILE HAULING EXCESS CUT BETWEEN STAGES.
- THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL RESIDENCES, COMMERCIAL, FIREHOUSE, CHURCH AND SCHOOL THROUGHOUT CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE 1/2" STEEL PLATE COVERS FOR INLETS THAT WILL HAVE TEMPORARY TRAFFIC RUN OVER THEM PRIOR TO THE PLACEMENT OF THE CURB AND GUTTER FRAME AND GRATES. THE COST OF THE STEEL PLATE COVERS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES FOR DRAINAGE STRUCTURE ITEMS.
- CONTRACTOR SHALL PLUG ANY INLETS THAT ARE TO BE INSTALLED BUT HAVE CONNECTIONS TO BE MADE IN LATER STAGES OF CONSTRUCTION. THE COST OF THE PLUGS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES FOR STORM SEWER ITEMS.
- CONTRACTOR TO ESTABLISH AND MAINTAIN TEMPORARY DRAINAGE AND EROSION CONTROL FOR EACH STAGE OF CONSTRUCTION. COST INCLUDED IN THE COST OF THE CONTRACT.
- TRAFFIC DIRECTIONAL ARROWS ARE FOR INFORMATION AND SHEET CLARITY ONLY.
- TEMPORARY PAVEMENT MARKINGS TO BE INSTALLED ON COMPLETED PHASES OF WORK PRIOR TO OPENING UNDER TWO-WAY TRAFFIC.
- 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.
- SIGNAGE PROVIDED FOR STAGE CONSTRUCTION IS INCLUDED IN THE COST OF TRAFFIC CONTROL.
- EARTH CUT QUANTITY FOR DETOUR INCLUDES THE EARTH CUT REQUIRED TO PLACE TEMPORARY AGGREGATE RUNAROUND. OIL AND CHIP PAVEMENT REMOVAL QUANTITY INCLUDES THE REMOVAL OF THE TEMPORARY AGGREGATE RUNAROUND. SEE EARTHWORK SCHEDULE.

STAGE 1 CONSTRUCTION NOTES

- CONSTRUCT ALL IMPROVEMENTS FOR THIS STAGE, EXCEPT THE 2" HMA SURFACE COURSE AND PERMANENT PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED.
- HUNTWOOD ROAD WILL BE CLOSED EXCEPT TO LOCAL TRAFFIC - LAFORE, LANTER AND ISSELHARD, PROPERTIES TO MAINTAIN ACCESS.
- WOLF BRANCH MIDDLE SCHOOL ENTRANCE AT STA. 35+59.07, WILL BE CLOSED TO ALL TRAFFIC WITH BARRICADES. SCHOOL TRAFFIC WILL UTILIZE THE ENTRANCE AT STA. 39+20.69 DURING THIS STAGE.
- THE CLOSURE OF OLD CASEYVILLE ROAD TO THRU TRAFFIC SHALL NOT EXCEED TWO WEEKS.

TITLE: STAGED CONSTRUCTION AND TRAFFIC CONTROL PLAN STAGE 1
PROJECT: HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY: DRB	SHEET
DESIGNED BY: DRB	24
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	Huntwood Road Reconstruction

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

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

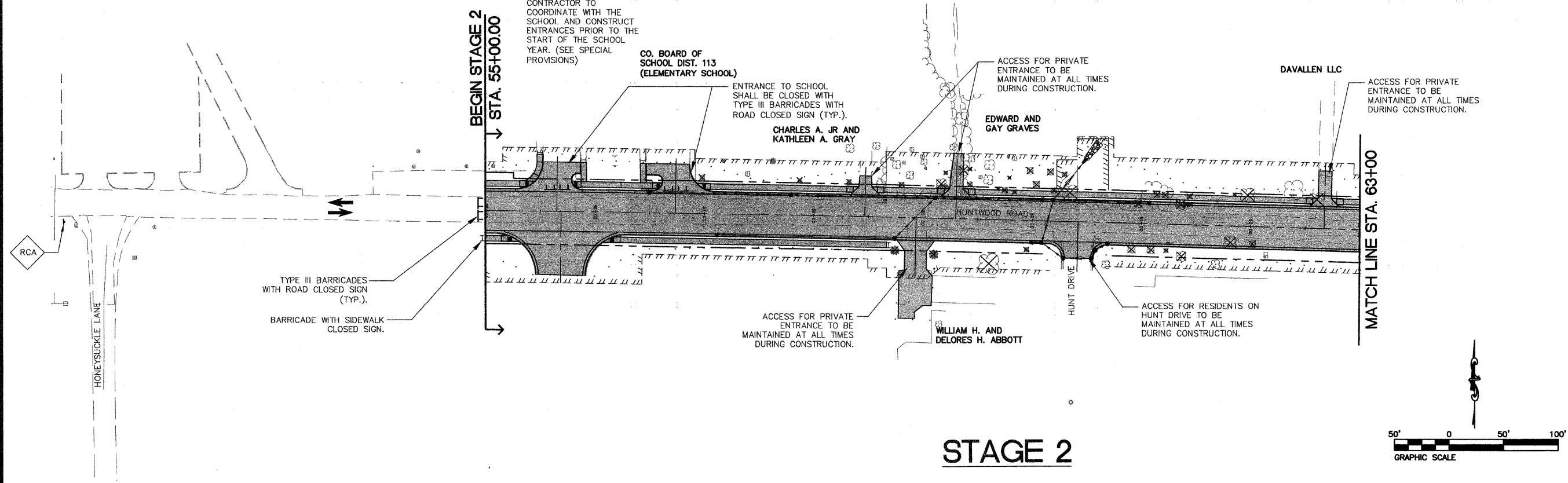
PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

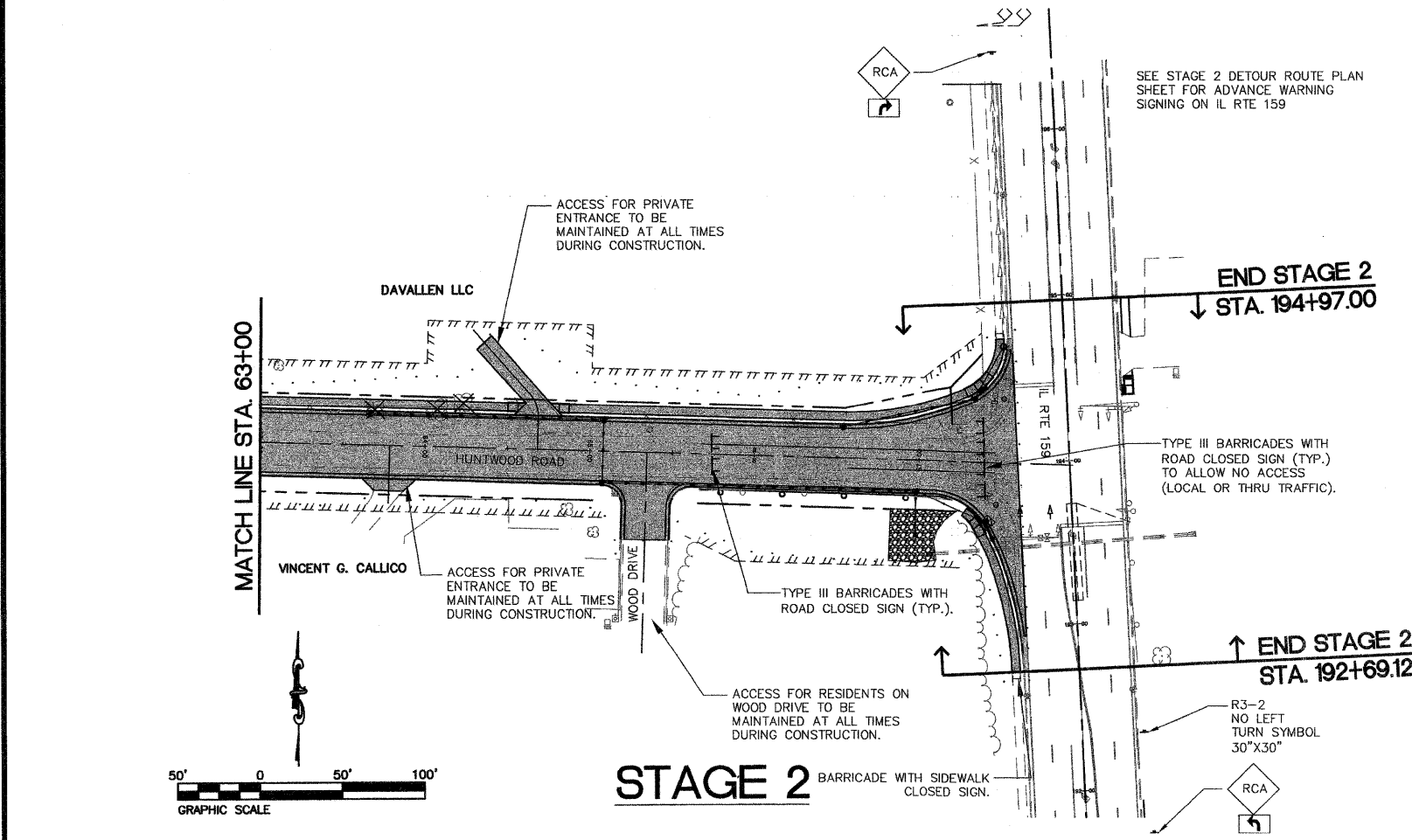
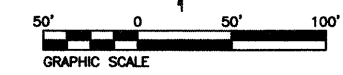
Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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 existing to or intended to be utilized for any other part of the architectural, engineering or survey project.

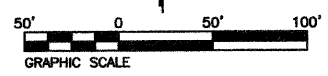
ROAD CLOSED



STAGE 2



STAGE 2



STAGE 2 CONSTRUCTION NOTES

- CONSTRUCT ALL IMPROVEMENTS FOR THIS STAGE, EXCEPT THE 2" HMA SURFACE COURSE AND PERMANENT PAVEMENT MARKINGS, UNLESS OTHERWISE NOTED.
 - ROAD WILL BE CLOSED EXCEPT TO LOCAL TRAFFIC - RESIDENTS ALONG WOOD DRIVE AND HUNT DRIVE, DAVALLEN, GRAVES, GRAY, ABBOTT, AND CALICO PROPERTIES TO MAINTAIN ACCESS.
 - WOLF BRANCH ELEMENTARY SCHOOL ENTRANCES AT STA. 55+64.83 AND 56+73.35 WILL BE CLOSED TO ALL TRAFFIC WITH BARRICADES. THE ENTRANCES SHALL BE BUILT WHILE SCHOOL IS OUT OF SESSION FOR SUMMER. SUMMER SCHOOL TRAFFIC WILL BE ABLE TO UTILIZE ALL OTHER ENTRANCES DURING THIS STAGE.
 - THE INTERSECTION OF ILLINOIS 159 AT HUNTWOOD ROAD WILL BE CLOSED, AND THE BARRICADES WILL BE PLACED TO NOT ALLOW THRU OR LOCAL TRAFFIC.
 - EXISTING TRAFFIC SIGNAL HEADS AT THE INTERSECTION WILL BE HOODED WHEN THE SIGNALS ARE TAKEN OUT OF SERVICE.
 - DETOUR SIGNS AT WOOD DRIVE AND HUNT DRIVE WILL BE ADDED TO INFORM DRIVERS TO TRAVEL WEST TO EXIT SUBDIVISIONS AND HUNTWOOD ROAD WHILE ILLINOIS 159 INTERSECTION IS CLOSED.
- PRE-STAGE 3 NOTES**
- STORM SEWER AND TWIN LAKE DRIVE PAVEMENT PLACEMENT REQUIRED BEFORE TEMPORARY RUNAROUND PLACED. SEE STAGE 3 CONSTRUCTION SHEETS FOR THESE LOCATIONS.
 - PLACE AGGREGATE FOR STAGE 3 ONE WAY TRAFFIC.
 - ESTABLISH TEMPORARY DRAINAGE.
 - PLACE OIL AND CHIP SURFACE.

STAGED CONSTRUCTION AND TRAFFIC CONTROL PLAN
STAGE 2

PROJECT:
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV	DATE	DESCRIPTION

DRAWN BY: DRB	SHEET
DESIGNED BY: DRB	25
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: 120-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

UNDER TRAFFIC - ONE LANE / ONE WAY

FAI ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
10158 CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
ILLINOIS PROFESSIONAL ENGINEERING CORP.	62-036370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

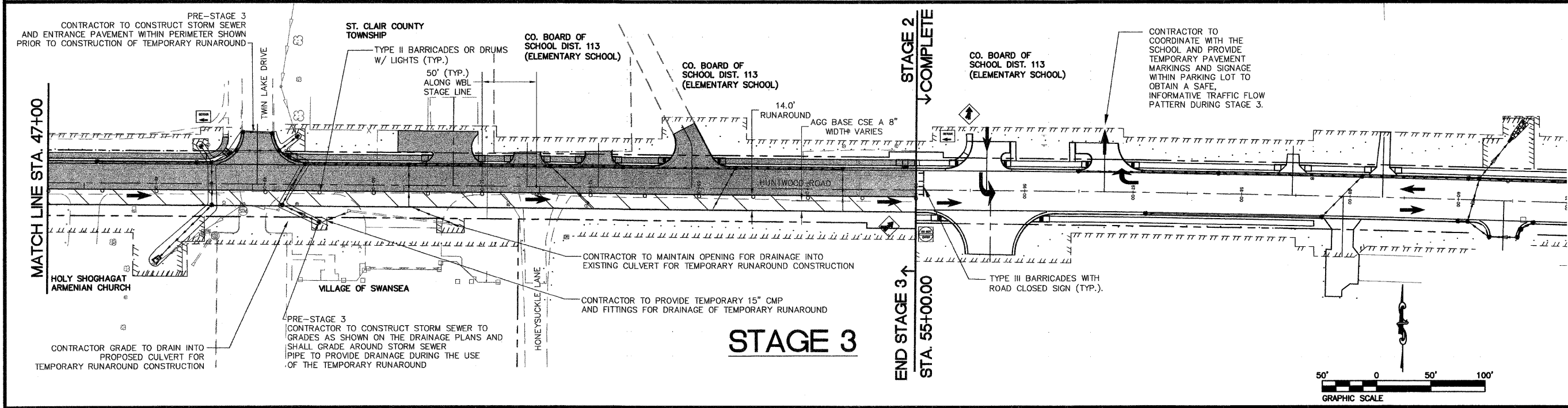
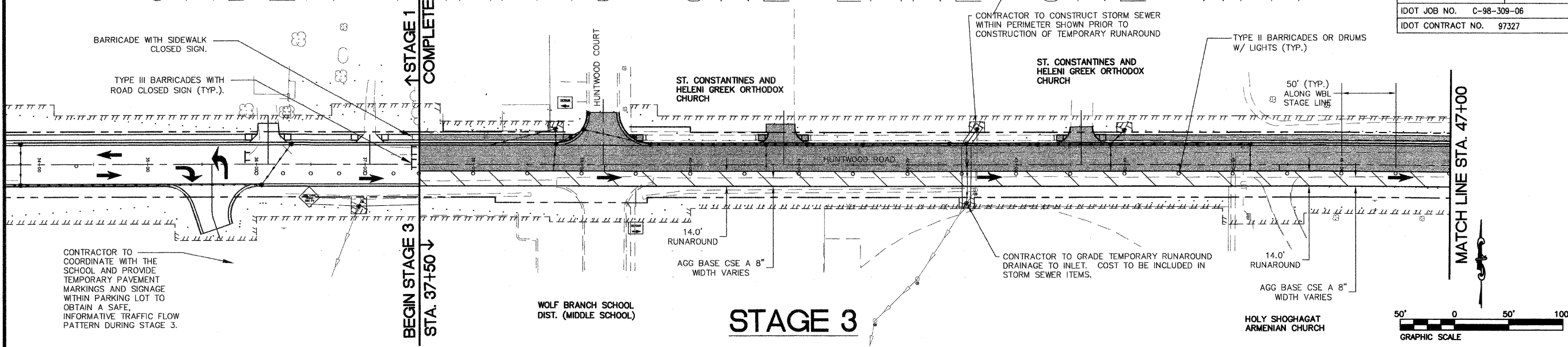
STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized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

TITLE
STAGED CONSTRUCTION AND TRAFFIC CONTROL PLAN
STAGE 3

PROJECT
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY: DRB	SHEET
DESIGNED BY: DRB	26
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: 120-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



STAGE 3 CONSTRUCTION NOTES

CONSTRUCT TWO NORTH LANE IMPROVEMENTS FOR THIS STAGE, EXCEPT THE 2" HMA SURFACE COURSE AND PERMANENT PAVEMENT MARKINGS.

TRAFFIC WILL UTILIZE 14.0' RUNAROUND AS A ONE-WAY TRAFFIC LANE FROM WEST TO EAST.

INTERSECTIONS TO REMAIN OPEN THROUGHOUT CONSTRUCTION. PLACE DETOUR SIGNS AT INTERSECTIONS, WITH HUNTWOOD COURT, MIDDLE SCHOOL ENTRANCE STA. 39+20.69, TWIN LAKE DRIVE, AND HONEYSUCKLE LANE TO ILLUSTRATE ONE-WAY TRAFFIC ALONG HUNTWOOD ROAD.

WOLF BRANCH ELEMENTARY SCHOOL PARKING LOT WILL BE STRIPED AND SIGNAGE ADDED FOR A TRAFFIC FLOW PATTERN ALLOWING TRAFFIC TO MERGE NEAR THE EXIT AT STA. 55+64.83, FOR TRAFFIC TO TURN LEFT ONTO HUNTWOOD ROAD. PAVEMENT MARKING AND TEMPORARY SIGNAGE REMOVAL FOR THE PARKING LOT WILL BE ESTABLISHED AT THE CONCLUSION OF STAGE 3.

AT THE COMPLETION OF STAGE 3, OPEN TWO NORTH LANES CONSTRUCTED ALONG HUNTWOOD ROAD AS TWO WAY TRAFFIC, SHIFTING TRAFFIC AS REQUIRED TO NEW LANES.

ENTRANCES TO BE STAGED CONSTRUCTION TO ALLOW ACCESS AT ALL TIMES.

UNDER TRAFFIC

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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

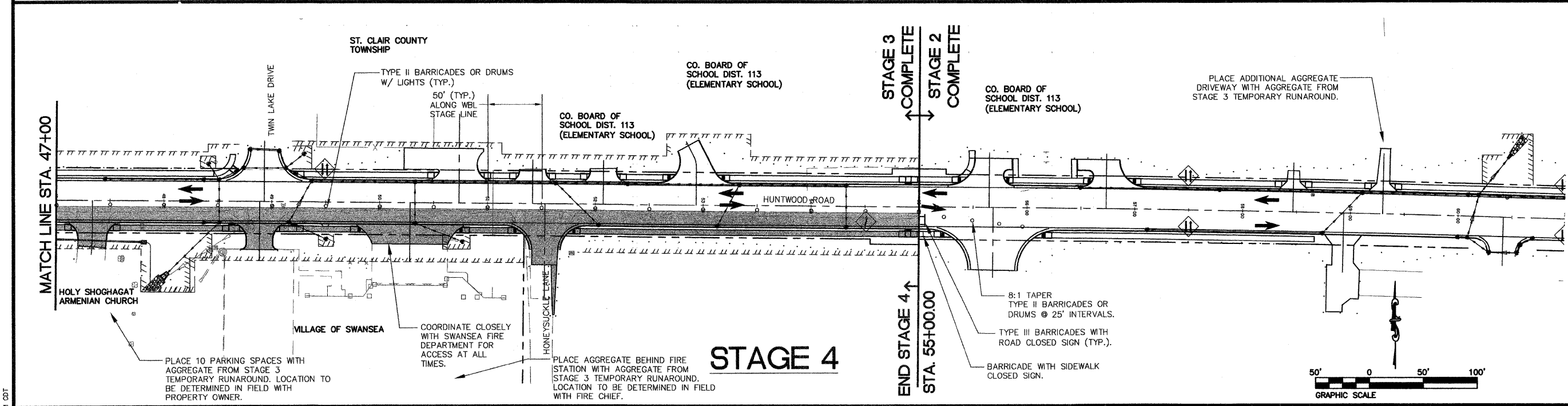
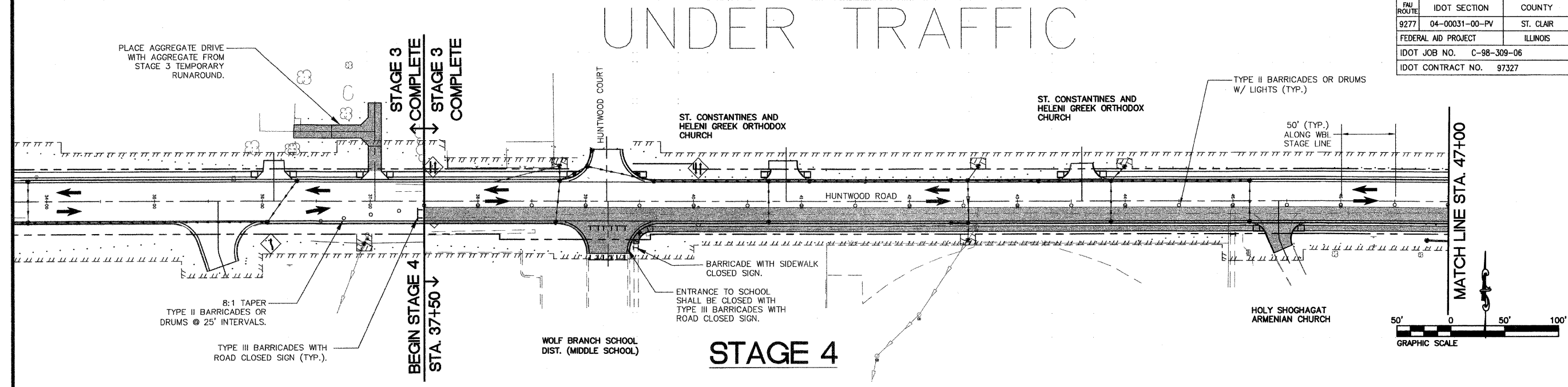


- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000546

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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.



STAGE 4 CONSTRUCTION NOTES

AGGREGATE FROM TEMPORARY RUNAROUND TO BE REMOVED AND RELOCATED IN VARIOUS LOCATIONS WITHIN PROJECT LIMITS AS DIRECTED BY THE ENGINEER. IT IS THE INTENT OF THE VILLAGE TO PLACE ANY REMAINING AGGREGATE ON VILLAGE PROPERTY OFF OF HONEYSUCKLE LANE. ANY REMAINDER OF AGGREGATE TO BE DISPOSED OF BY CONTRACTOR. COST OF REMOVAL AND RELOCATION INCLUDED IN COST OF EARTH EXCAVATION. SEE EARTHWORK SCHEDULE.

CONSTRUCT SOUTH LANE IMPROVEMENTS FOR THIS STAGE, EXCEPT THE 2" HMA SURFACE COURSE AND PERMANENT PAVEMENT MARKINGS.

TRAFFIC WILL UTILIZE CONSTRUCTED LANES AS A TWO-WAY TRAFFIC LANES.

INTERSECTIONS TO REMAIN OPEN THROUGHOUT CONSTRUCTION.

WOLF BRANCH MIDDLE SCHOOL ENTRANCE AT STA. 39+20.69 WILL BE CLOSED TO ALL TRAFFIC WITH BARRICADES. SCHOOL TRAFFIC WILL BE ABLE TO UTILIZE THE ENTRANCE AT STA. 35+59.07 DURING THIS STAGE.

ALL ENTRANCES TO BE STAGED CONSTRUCTED TO ALLOW ACCESS AT ALL TIMES.

TITLE
STAGED CONSTRUCTION AND TRAFFIC CONTROL PLAN
STAGE 4

PROJECT
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY: DRB	SHEET
DESIGNED BY: DRB	26A
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESIGNED BY: Huntwood Reconst
PROJECT NUMBER: T20-030356	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR CONSTR.
<input type="checkbox"/> RECORD	

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-309-06		
IDOT CONTRACT NO. 97327		

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



CORPORATE OFFICE
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com

EDWARDSVILLE OFFICE
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com

ST. LOUIS OFFICE
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com

WATERLOO OFFICE
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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.

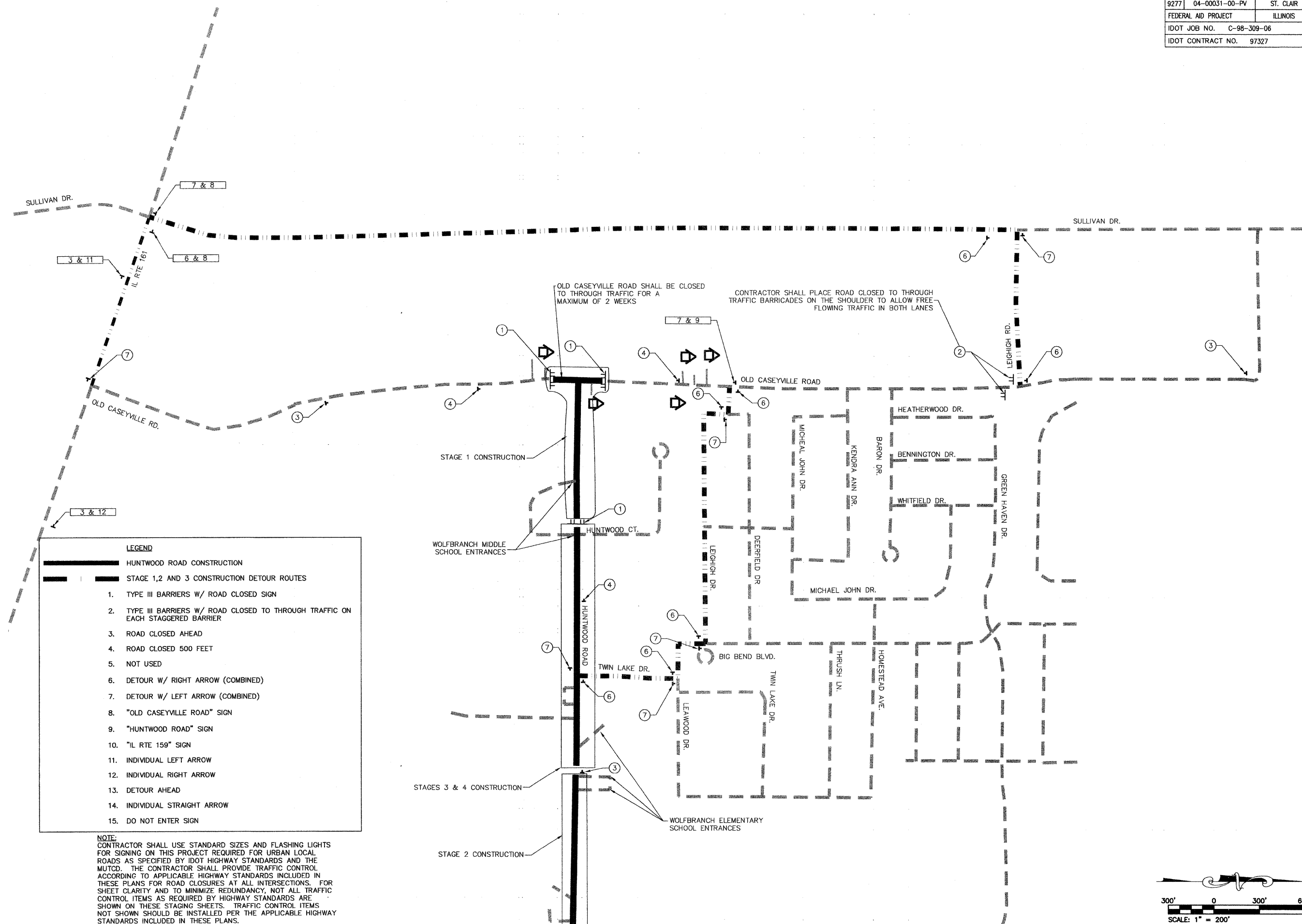
TITLE
STAGED CONSTRUCTION AND TRAFFIC CONTROL PLAN
STAGE 1 DETOUR ROUTE

PROJECT
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV	DATE	DESCRIPTION
△		
△		
△		

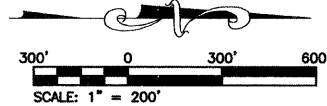
DRAWN BY: DRB	SHEET
DESIGNED BY: DRB	27
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
	Huntwood Road Reconstruction
PROJECT NUMBER 120-030356	

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



- LEGEND**
- HUNTWOOD ROAD CONSTRUCTION
 - - - STAGE 1, 2 AND 3 CONSTRUCTION DETOUR ROUTES
 - 1. TYPE III BARRIERS W/ ROAD CLOSED SIGN
 - 2. TYPE III BARRIERS W/ ROAD CLOSED TO THROUGH TRAFFIC ON EACH STAGGERED BARRIER
 - 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. "OLD CASEYVILLE ROAD" SIGN
 - 9. "HUNTWOOD ROAD" SIGN
 - 10. "IL RTE 159" SIGN
 - 11. INDIVIDUAL LEFT ARROW
 - 12. INDIVIDUAL RIGHT ARROW
 - 13. DETOUR AHEAD
 - 14. INDIVIDUAL STRAIGHT ARROW
 - 15. DO NOT ENTER SIGN

NOTE:
CONTRACTOR SHALL USE STANDARD SIZES AND FLASHING LIGHTS 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.



FNU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-01220
PROFESSIONAL ENGINEERING CORP.	02-03570
PROFESSIONAL STRUCTURAL ENGR. CORP.	01-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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.

STAGED CONSTRUCTION AND TRAFFIC CONTROL PLAN
STAGE 2 DETOUR ROUTE

PROJECT: **HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY**

REV.	DATE	DESCRIPTION
△		
△		
△		

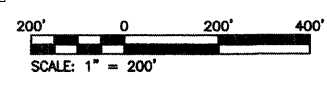
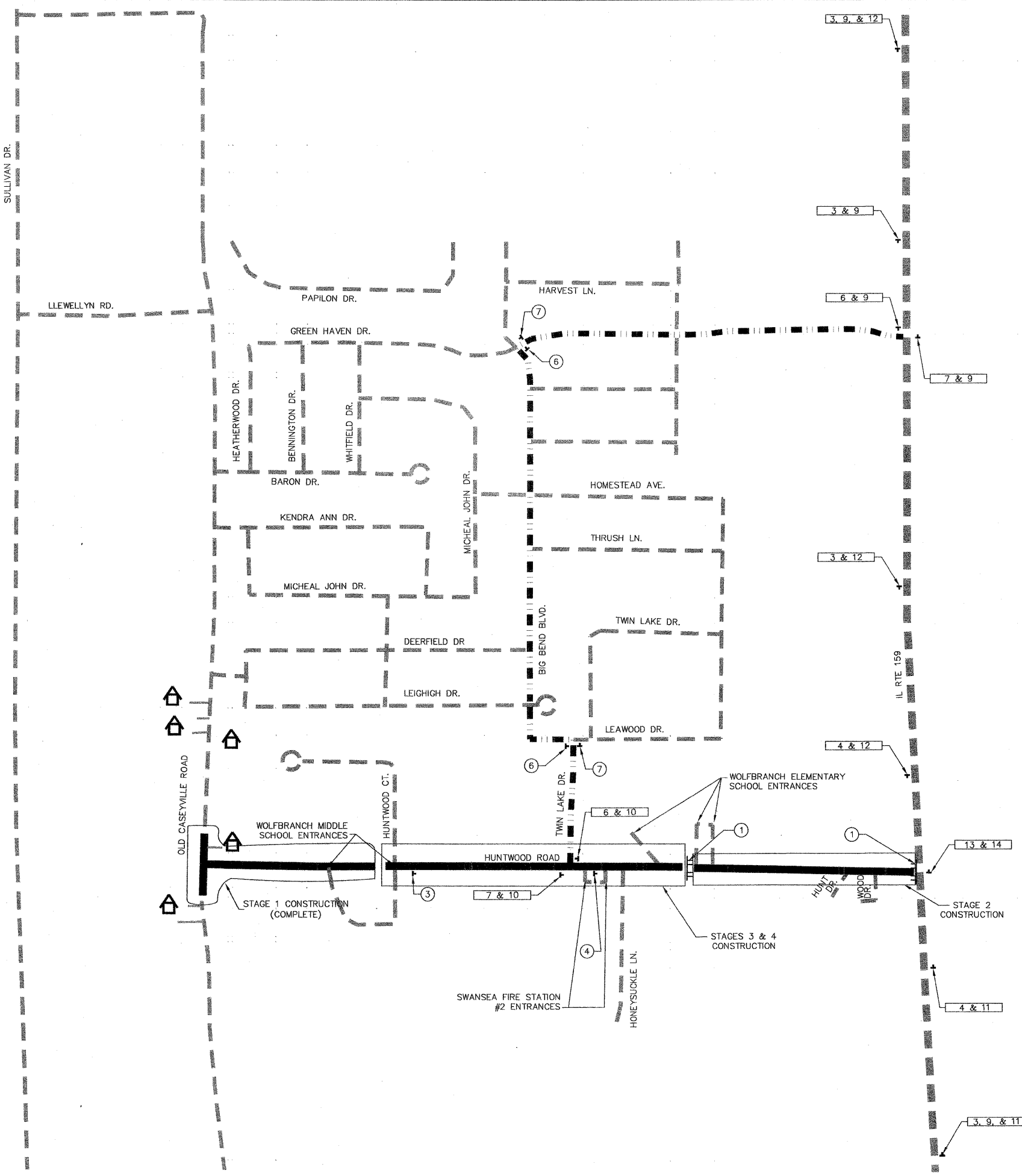
DRAWN BY: DRB	DESIGNED BY: DRB	CHECKED BY: SJK	APPROVED BY: SJK	SHEET 28 OF 104 SHEETS
PROJECT NUMBER: T20-030356				PROJECT DESCRIPTION: Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

△ REVISED 12-31-08

- LEGEND**
- HUNTWOOD ROAD CONSTRUCTION
 - - - STAGE 1, 2 AND 3 CONSTRUCTION DETOUR ROUTES
 - 1. TYPE III BARRIERS W/ ROAD CLOSED SIGN
 - 2. TYPE III BARRIERS W/ ROAD CLOSED TO THROUGH TRAFFIC ON EACH STAGGERED BARRIER
 - 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. "OLD CASEYVILLE ROAD" SIGN
 - 9. "HUNTWOOD ROAD" SIGN
 - 10. "IL RTE 159" SIGN
 - 11. INDIVIDUAL LEFT ARROW
 - 12. INDIVIDUAL RIGHT ARROW
 - 13. DETOUR AHEAD
 - 14. INDIVIDUAL STRAIGHT ARROW
 - 15. DO NOT ENTER SIGN

NOTE: 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. CONTRACTOR TO PLACE MESSAGE BOARDS ON NB AND SB IL RTE. 159 AT HUNTWOOD RD. 3 DAYS PRIOR TO TRAFFIC SIGNAL TURN-ON TO 3 DAYS FOLLOWING TRAFFIC SIGNAL TURN-ON.

TWO CHANGEABLE MESSAGE SIGNS FOR ONE MONTH



P:\030356\030356\Roadway Plans\ROADWAY PLANS\030356 TDR1-2.dwg 6/26/2008 2:01:59 PM GDT

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.		C-98-309-06
IDOT CONTRACT NO.		97327

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
10158 CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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
STAGED CONSTRUCTION AND TRAFFIC CONTROL PLAN
STAGE 3 DETOUR ROUTE

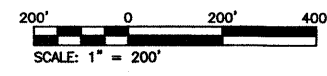
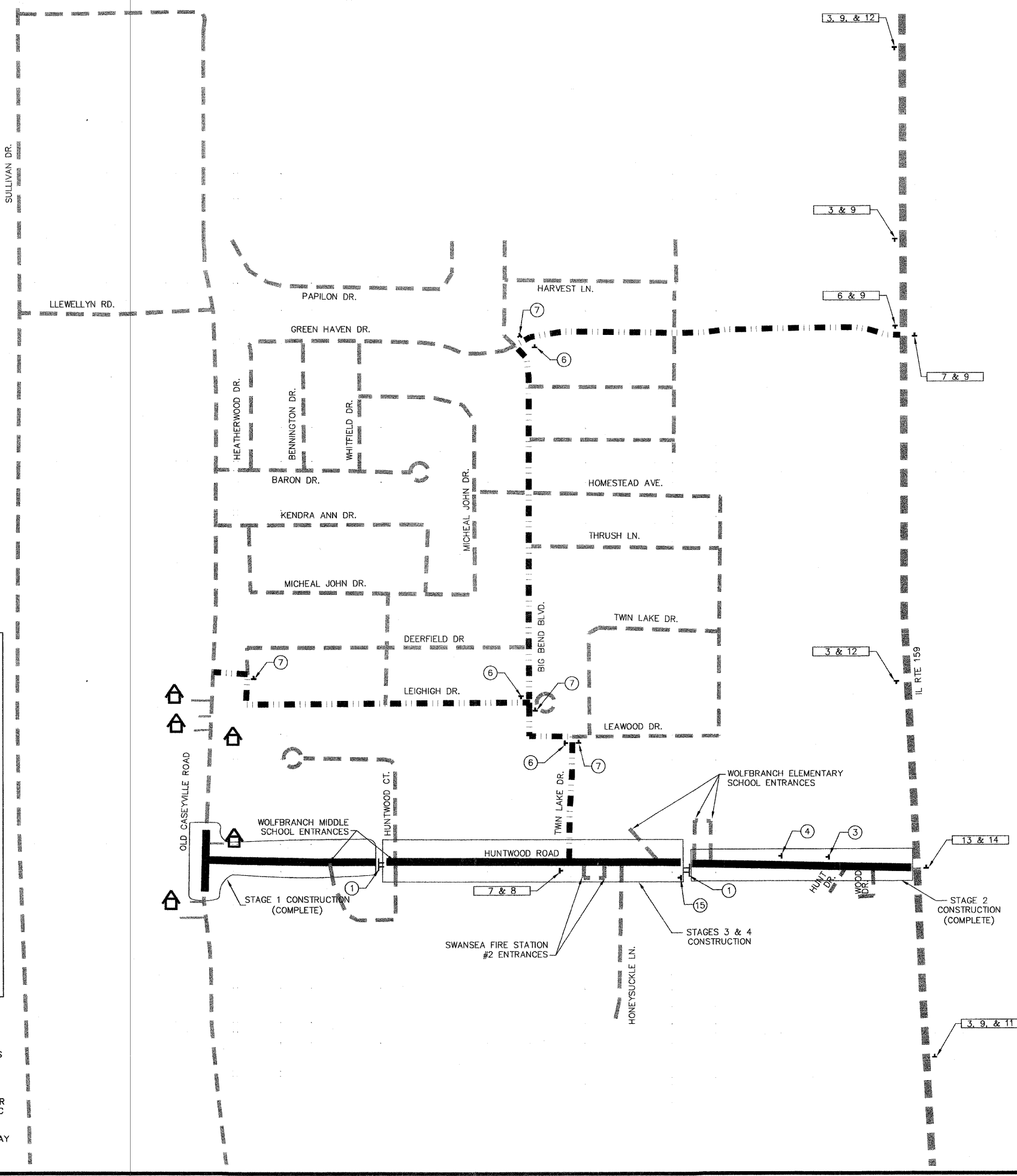
PROJECT
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV	DATE	DESCRIPTION

DRAWN BY:	MLS	SHEET
DESIGNED BY:	MLS	28A
CHECKED BY:	SJK	OF 104 SHEETS
APPROVED BY:	SJK	PROJECT DESCRIPTION
PROJECT NUMBER	120-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

- LEGEND**
- HUNTWOOD ROAD CONSTRUCTION
 - STAGE 1,2 AND 3 CONSTRUCTION DETOUR ROUTES
 - 1. TYPE III BARRIERS W/ ROAD CLOSED SIGN
 - 2. TYPE III BARRIERS W/ ROAD CLOSED TO THROUGH TRAFFIC ON EACH STAGGERED BARRIER
 - 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. "OLD CASEYVILLE ROAD" SIGN
 - 9. "HUNTWOOD ROAD" SIGN
 - 10. "IL RTE 159" SIGN
 - 11. INDIVIDUAL LEFT ARROW
 - 12. INDIVIDUAL RIGHT ARROW
 - 13. DETOUR AHEAD
 - 14. INDIVIDUAL STRAIGHT ARROW
 - 15. DO NOT ENTER SIGN

NOTE:
CONTRACTOR SHALL USE STANDARD SIZES AND FLASHING LIGHTS 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.



FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-309-06		
IDOT CONTRACT NO. 97327		

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-3930
FAX (618) 939-3938
waterloo@twm-inc.com

ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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.

EROSION CONTROL PLAN
STA. 11+50.00 TO STA. 14+50.00
STA. 27+62.00 TO STA. 29+40.00

HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

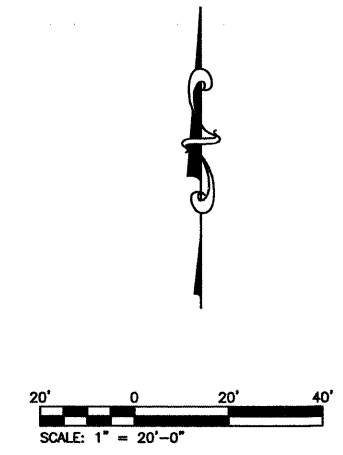
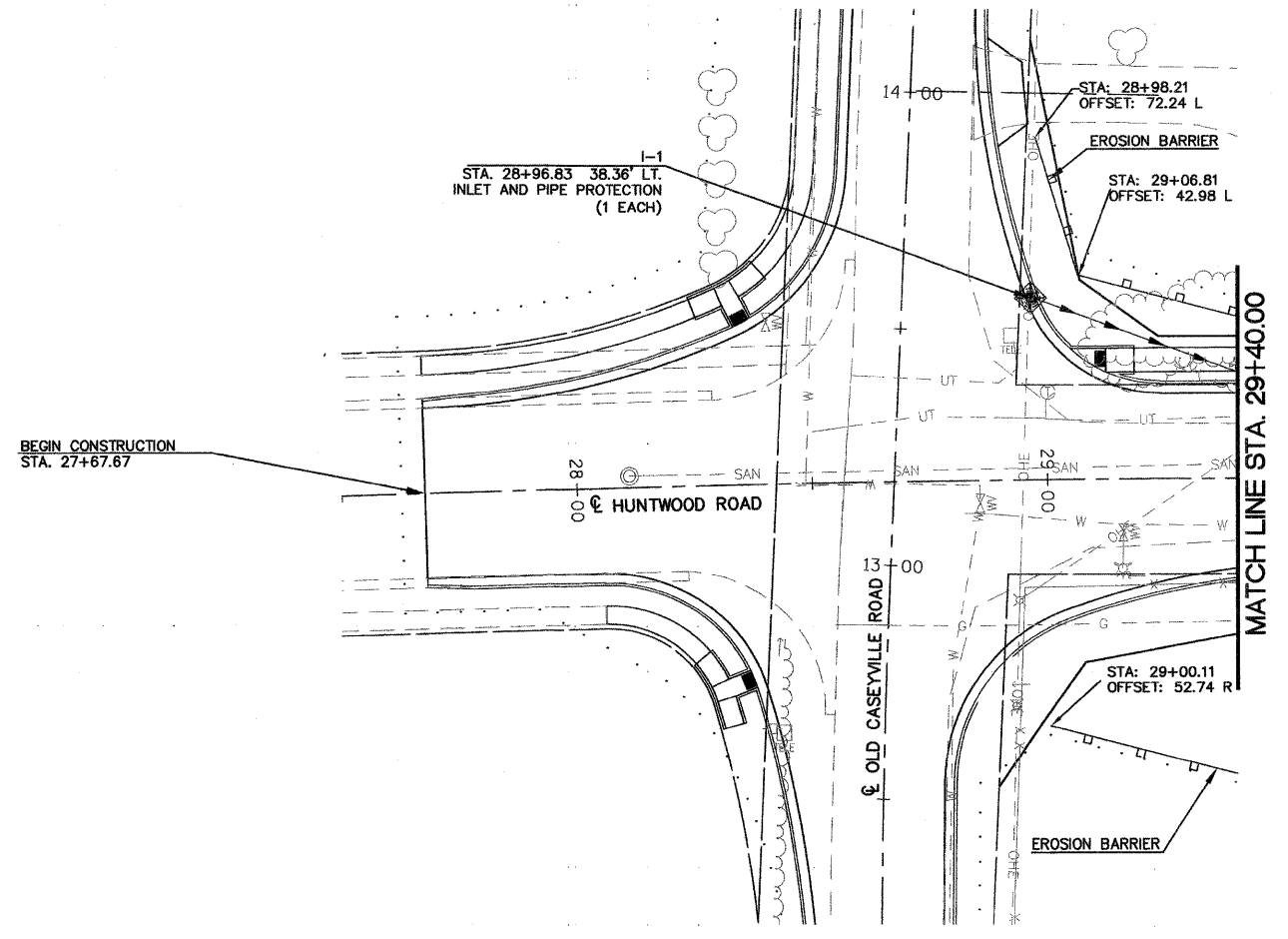
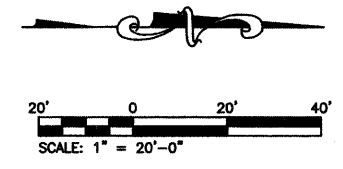
REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET 29
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION
APPROVED BY: SJK	PROJECT NUMBER T20-030356
<input checked="" type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING	

16" THICK STONE RIPRAP
CLASS A4 OVER 6" THICK
BEDDING & FILTER FABRIC
(9.53 SQ. YD.)

BEGIN CONSTRUCTION
STA. 11+40.88

16" THICK STONE RIPRAP
CLASS A4 OVER 6" THICK
BEDDING & FILTER FABRIC
(6.11 SQ. YD.)



FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



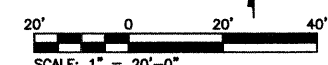
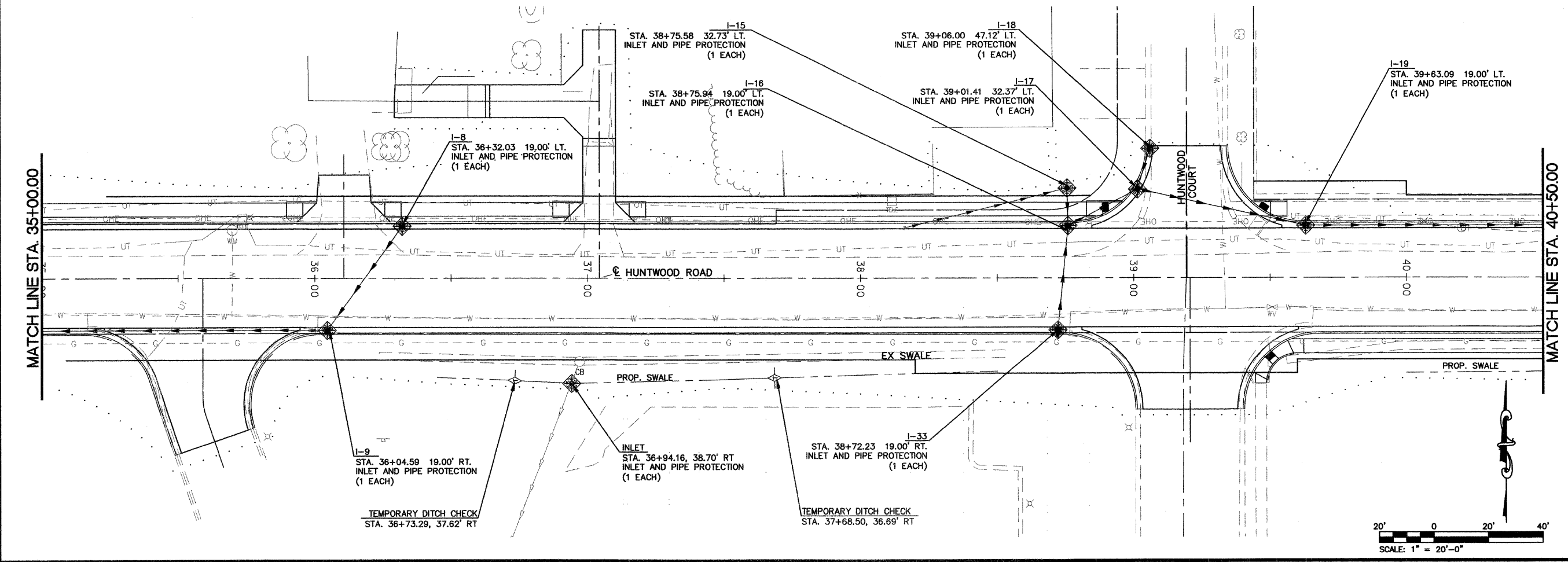
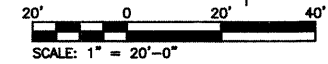
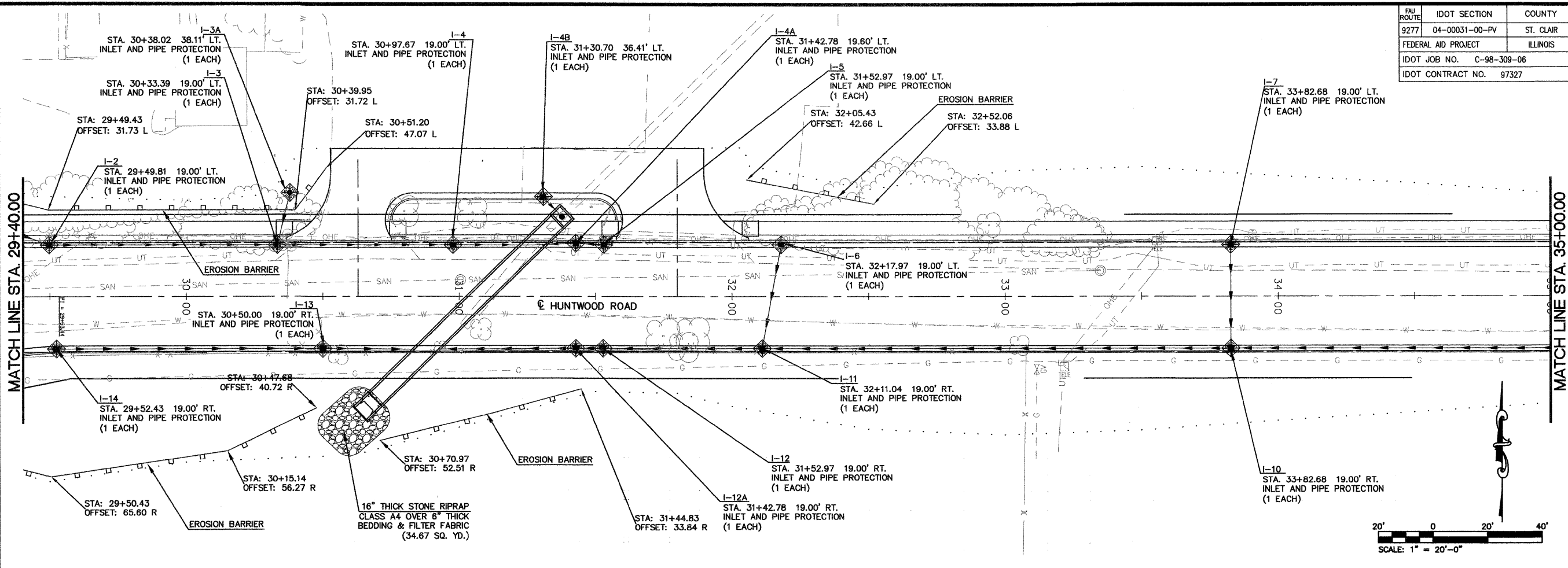
- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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.



P:\030356.dwg\Roadway Plans\ROADWAY PLANS\030356 EROSN.dwg 10/1/2008 9:28:04 AM CDT

EROSION CONTROL PLAN
STA. 29+00.00 TO STA. 40+50.00

PROJECT:
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET 30 OF 104 SHEETS PROJECT DESCRIPTION PROJECT NUMBER: T20-030356
DESIGNED BY: JWS	
CHECKED BY: SJK	
APPROVED BY: SJK	
PROJECT NUMBER: T20-030356	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		
ILLINOIS		
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

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.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

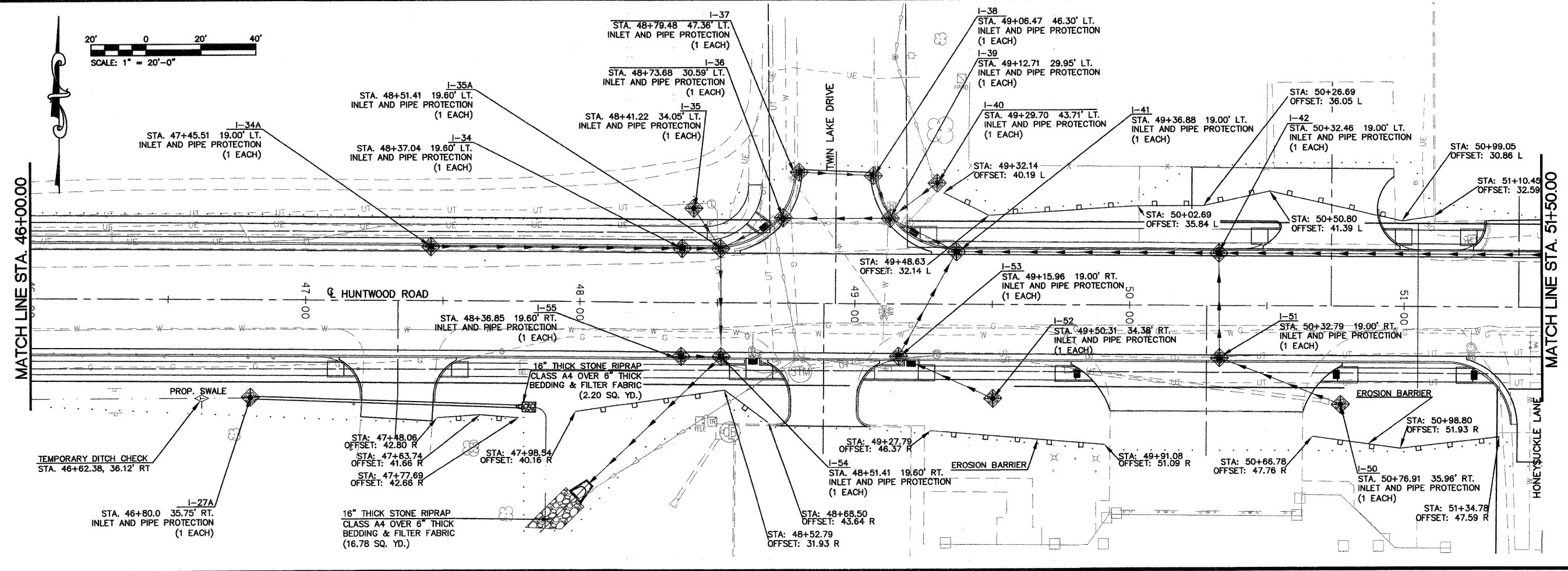
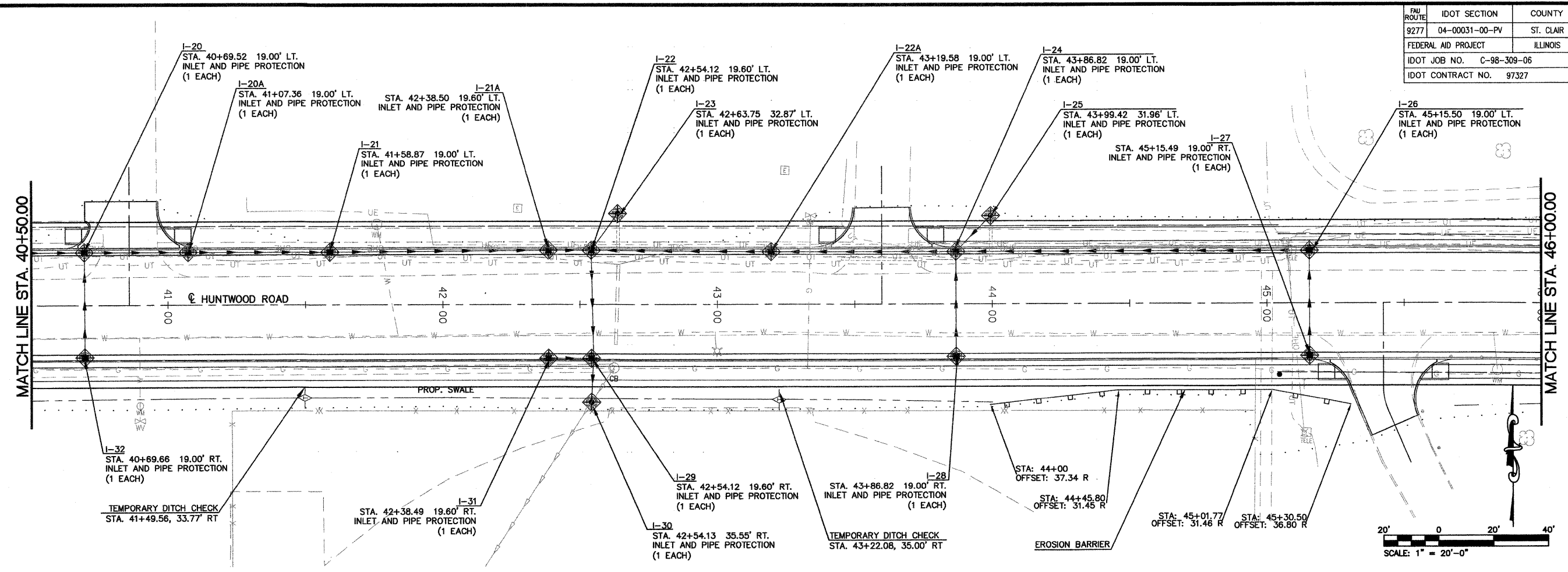
STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized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

EROSION CONTROL PLAN
STA. 40+50.00 TO STA. 51+50.00

PROJECT:
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY:	JWS	SHEET
DESIGNED BY:	JWS	31
CHECKED BY:	SJK	OF 104 SHEETS
APPROVED BY:	SJK	PROJECT DESCRIPTION
PROJECT NUMBER:	120-030356	ReConstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	



P:\030356.dwg \Roadway Plans\030356 EROSION.dwg 10/1/2008 9:28:04 AM CDT

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT ILLINOIS		
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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

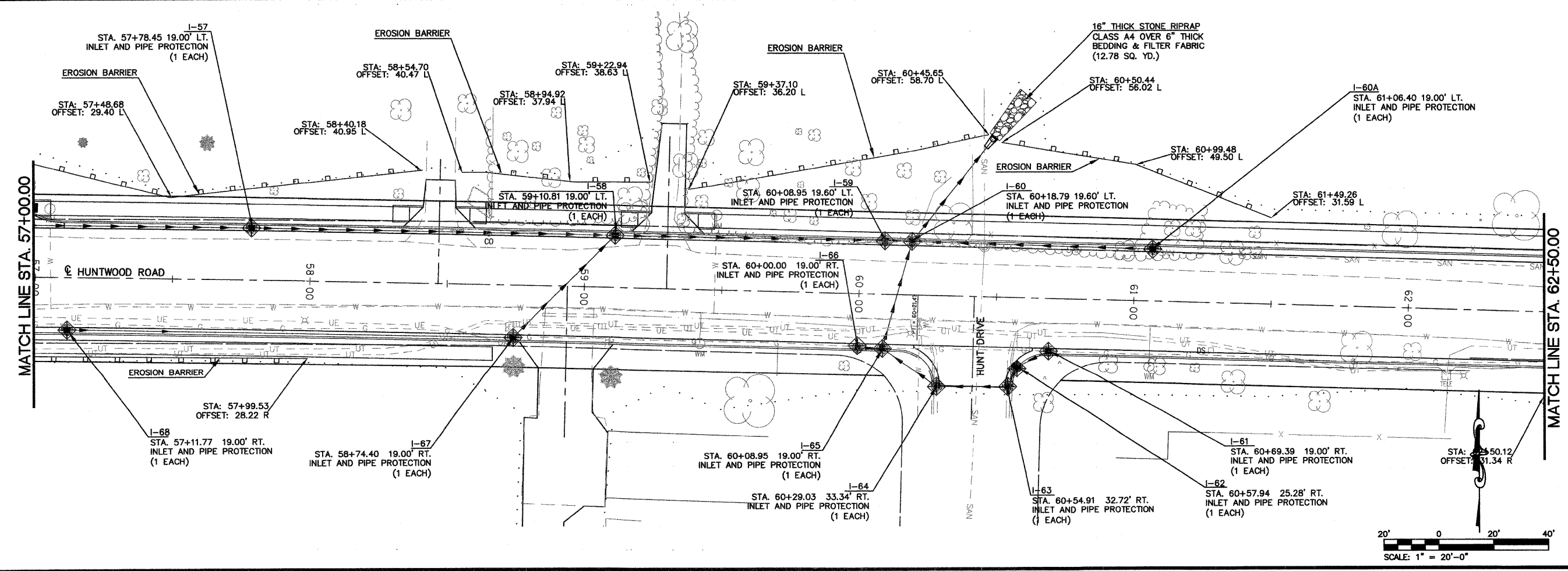
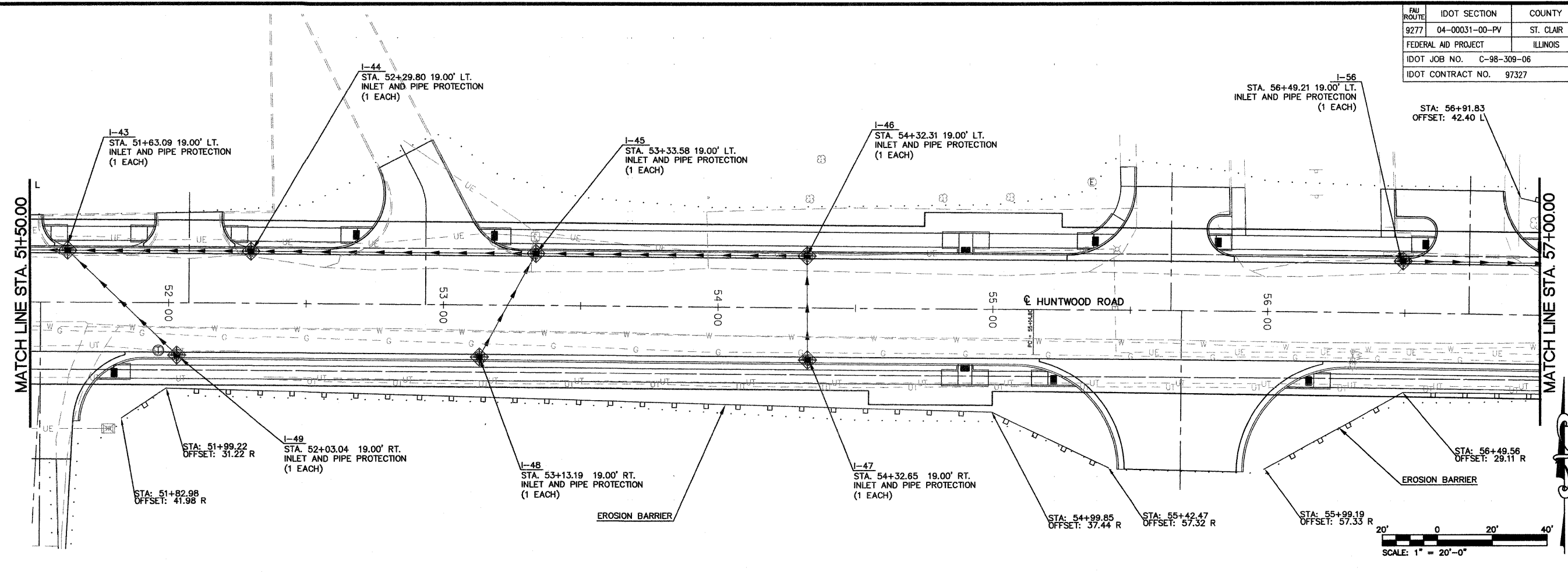


- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-01220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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.



EROSION CONTROL PLAN
STA. 51+50.00 TO STA. 62+50.00

HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET 32
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION
APPROVED BY: SJK	PROJECT NUMBER T20-030356
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

F:\030356\dwg\Roadway\Plans\030356.EROSN.dwg 10/1/2008 9:25:04 AM GDT

FBI ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



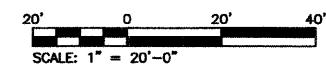
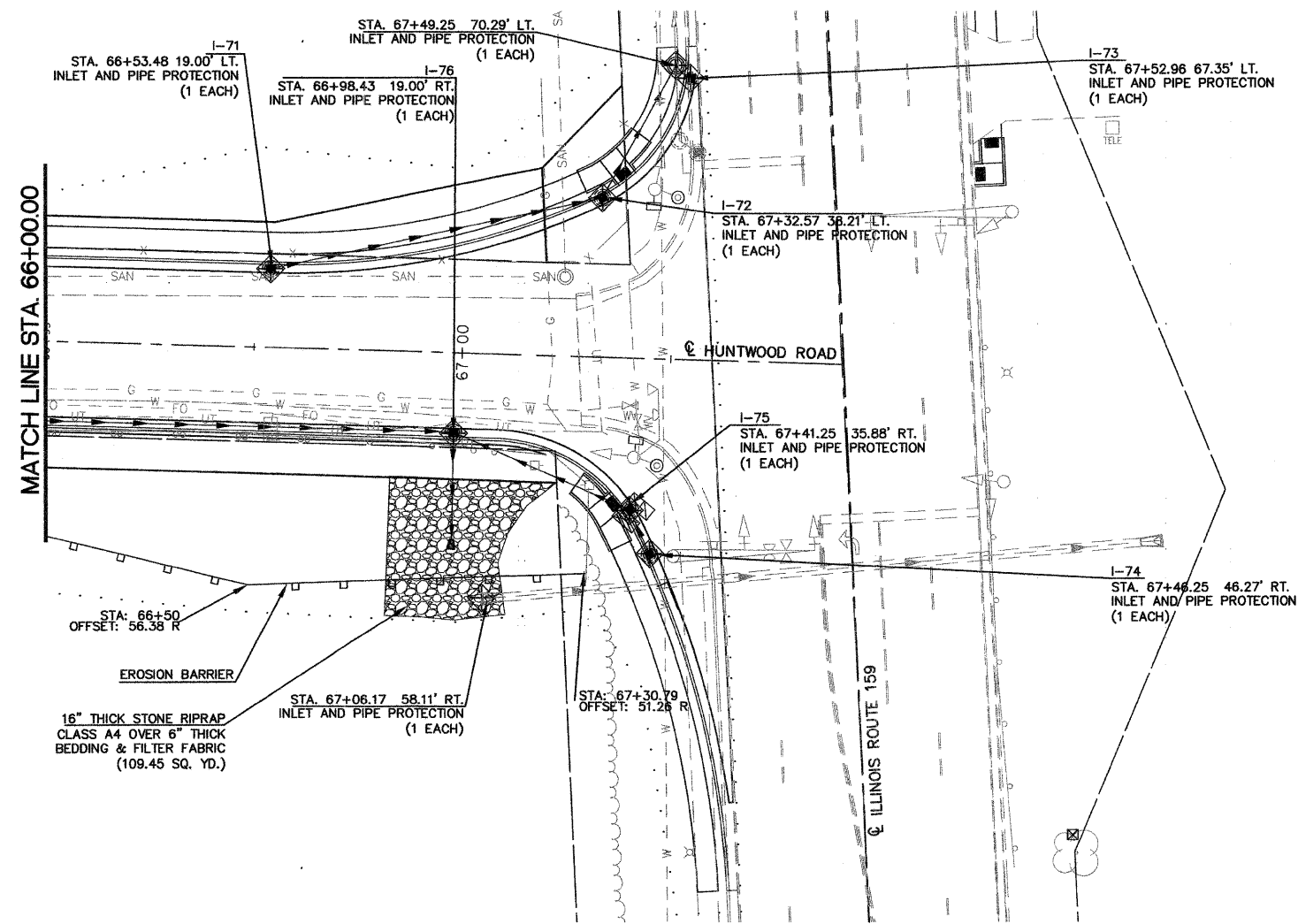
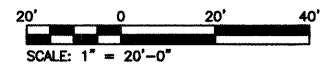
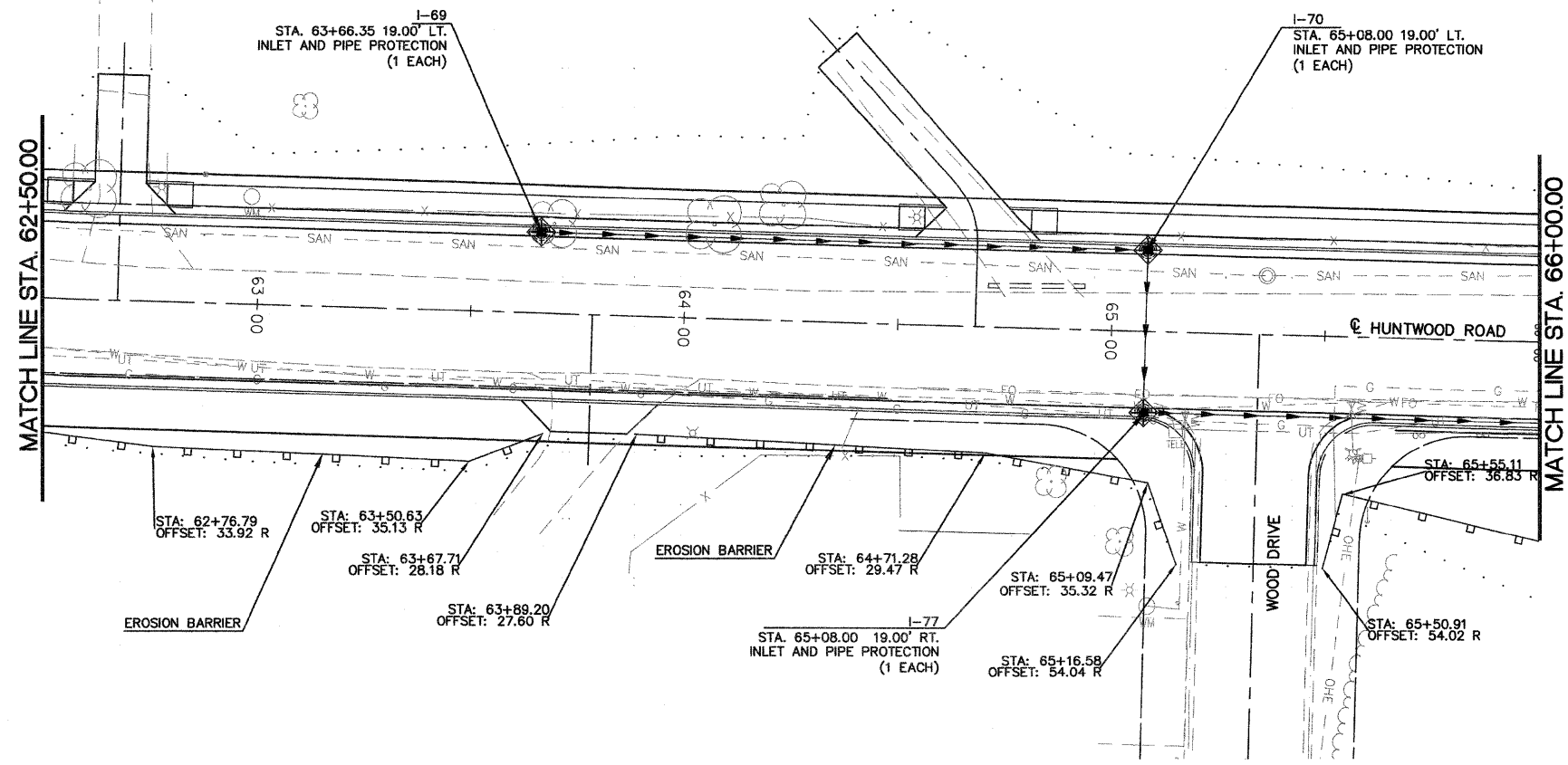
- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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: **EROSION CONTROL PLAN
STA. 62+50.00 TO STA. 67+50.00**

PROJECT: **HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY**

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	33
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: 20-030356	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-309-06		
IDOT CONTRACT NO. 97327		

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



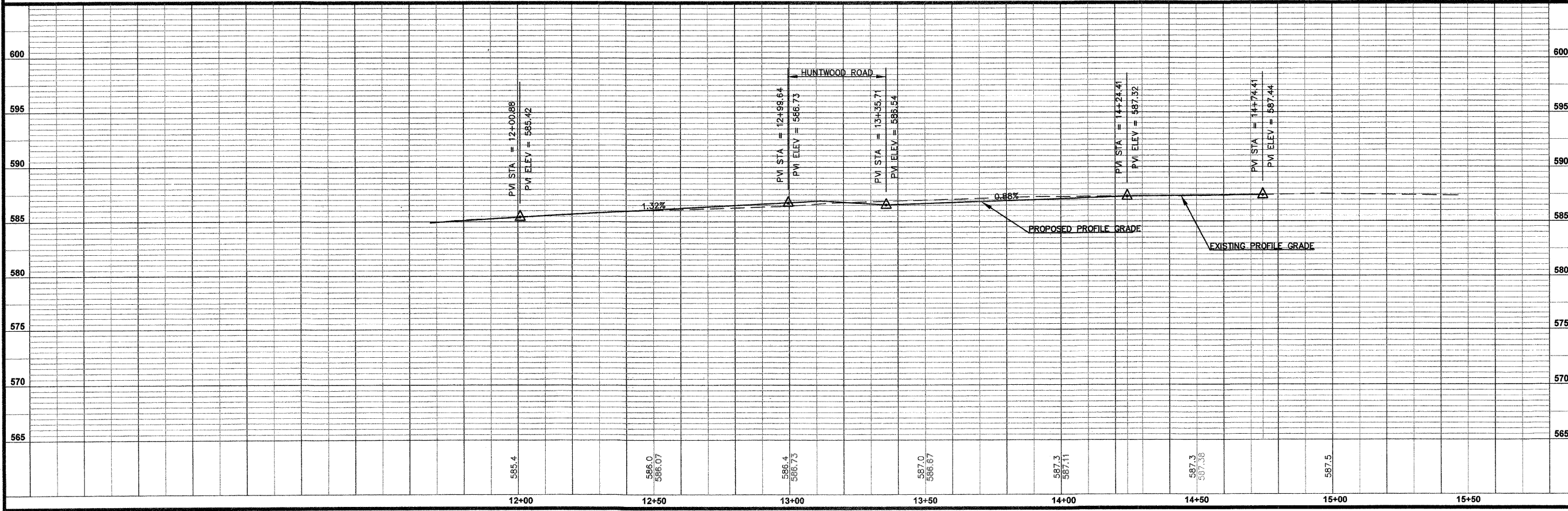
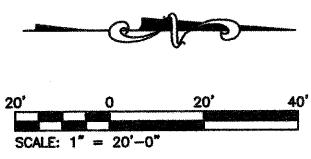
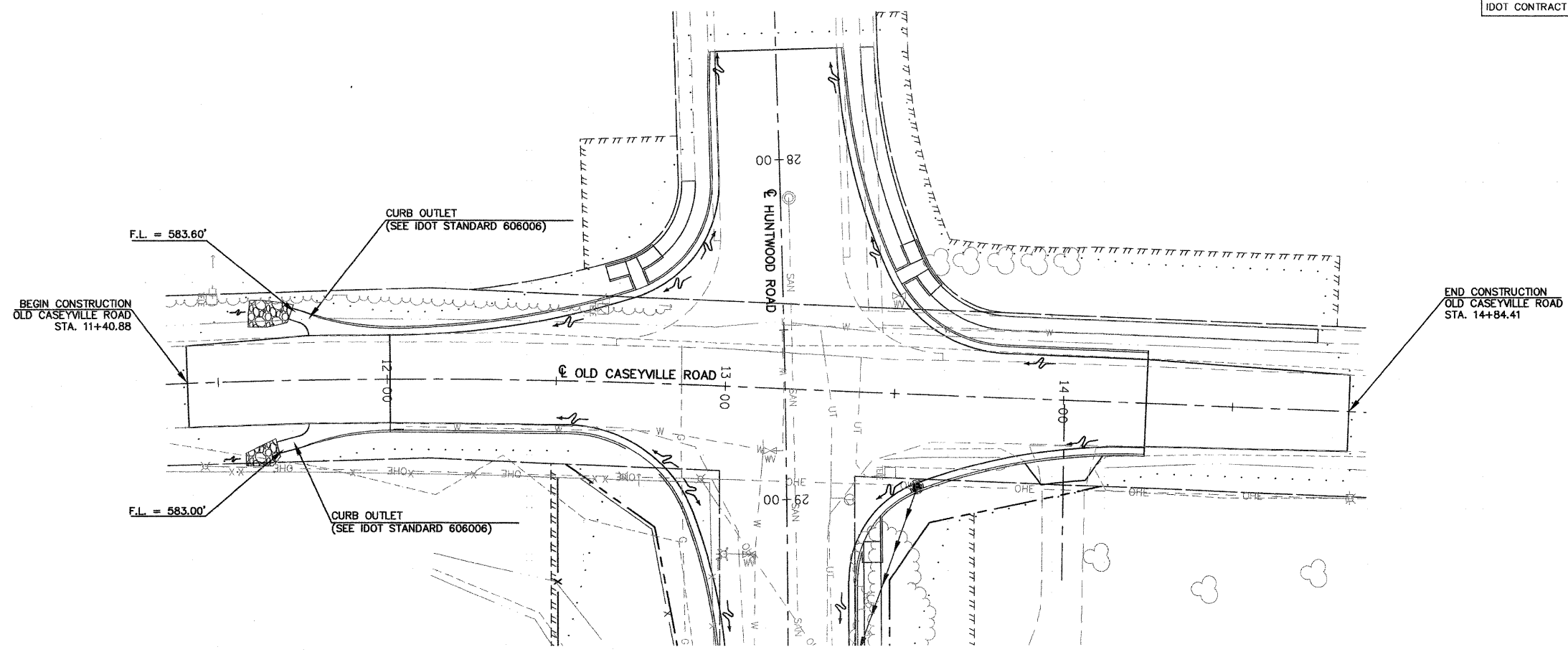
- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

ILLINOIS PROFESSIONAL DESIGN FIRM	LICENSE NO. 184-001220
PROFESSIONAL ENGINEERING CORP.	62-033370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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
DRAINAGE PLAN AND PROFILE
STA. 11+50.86 TO STA. 14+74.41

PROJECT
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	34
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER T20-030356	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

P:\030356\Weg\Roadway Plans\ROADWAY PLANS\030356 PPDRAINAGE.dwg 6/26/2008 1:19:22 PM CDT

FBI ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



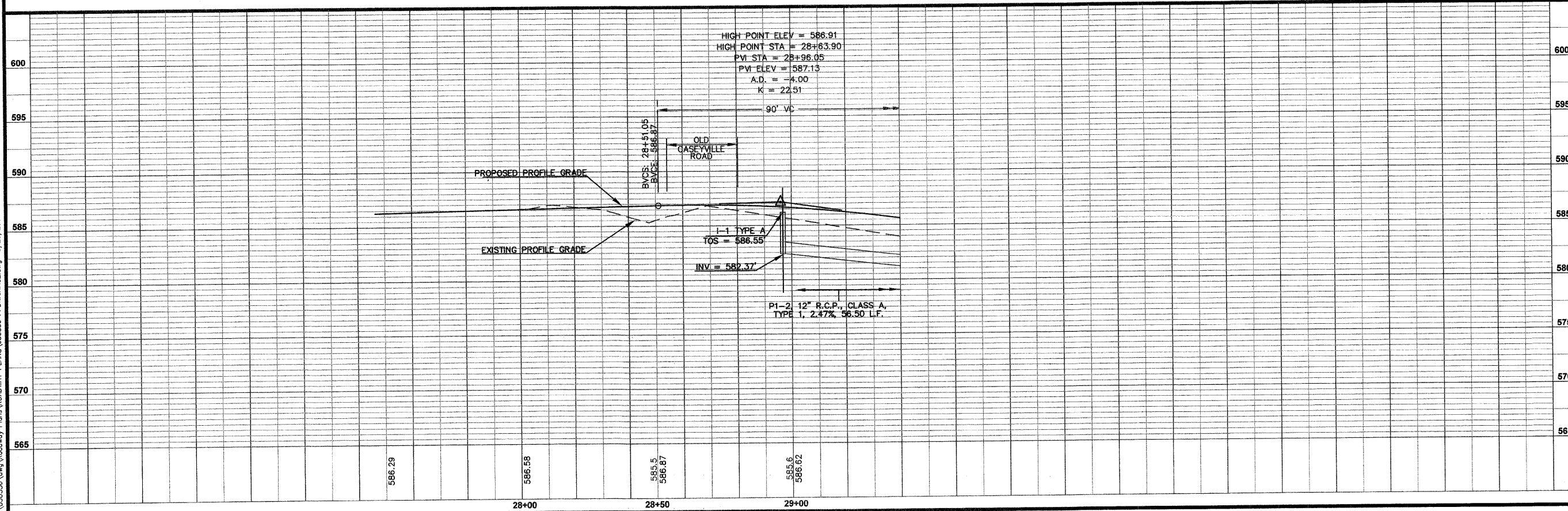
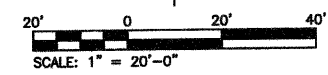
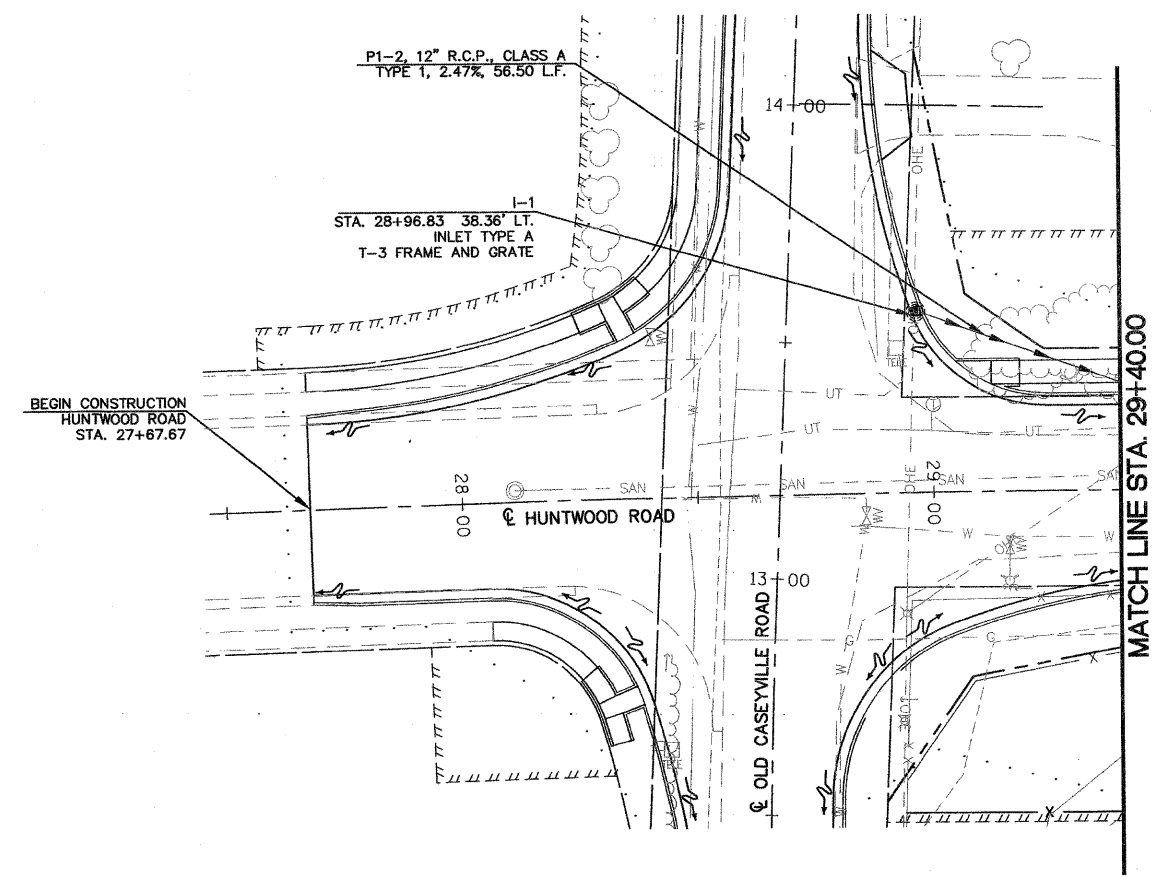
- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	046-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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: DRAINAGE PLAN AND PROFILE
STA. 27+67.67 TO STA. 29+40.00

PROJECT: HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV	DATE	DESCRIPTION

DRAWN BY: JWS	DESIGNED BY: JWS	CHECKED BY: SJK	APPROVED BY: SJK	PROJECT NUMBER: 120-030356
SHEET 35 OF 104 SHEETS				PROJECT DESCRIPTION
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

P:\030356.dwg Roadway Plans\ROADWAY PLANS\030356.FPDRAINAGE.dwg 6/28/2008 11:19:22 PM CDT

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		
ILLINOIS		
IDOT JOB NO. C-98-309-06		
IDOT CONTRACT NO. 97327		

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-055370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

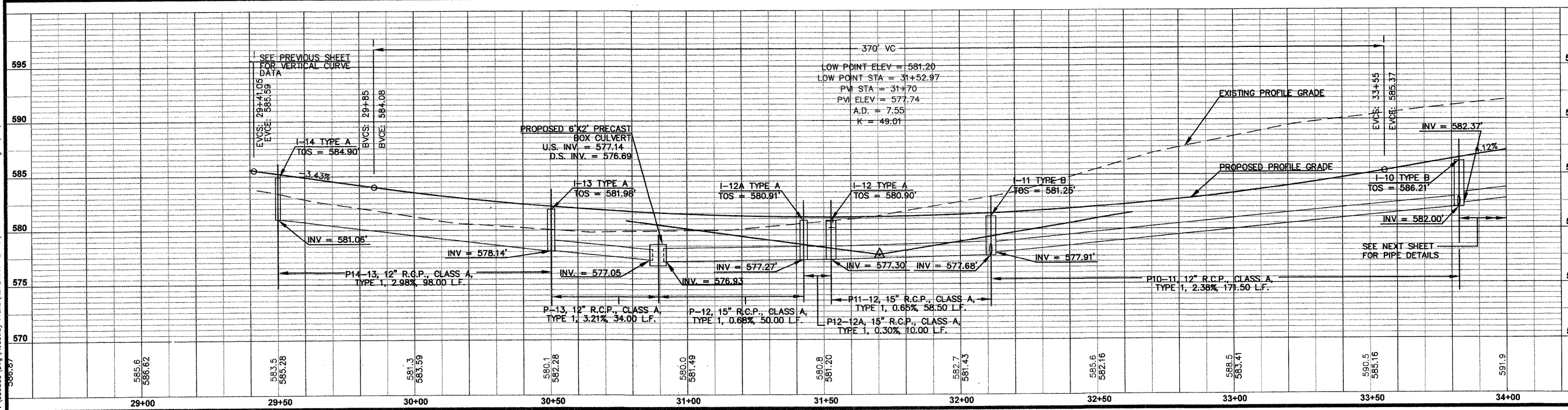
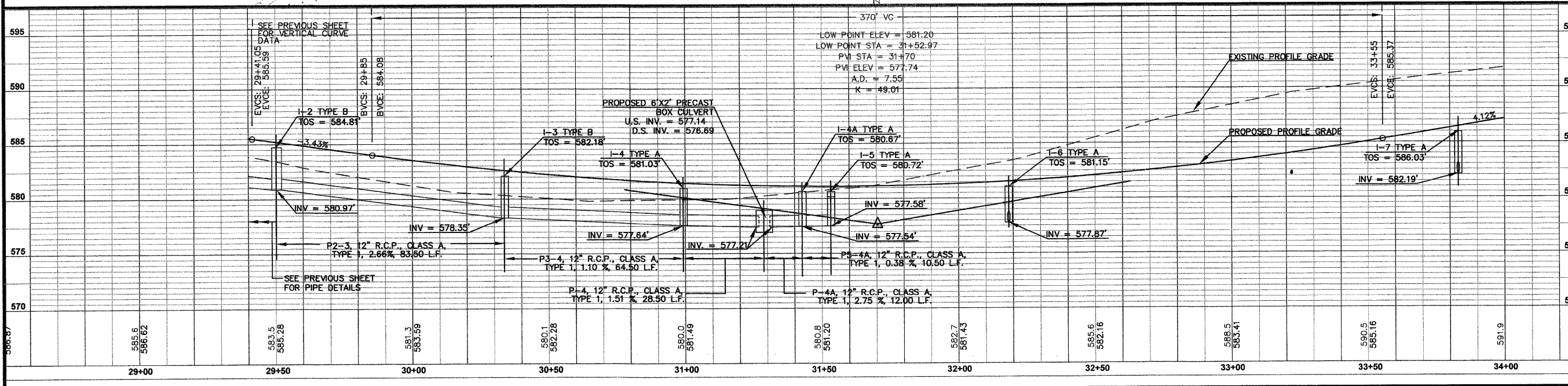
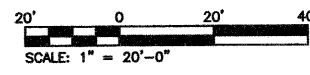
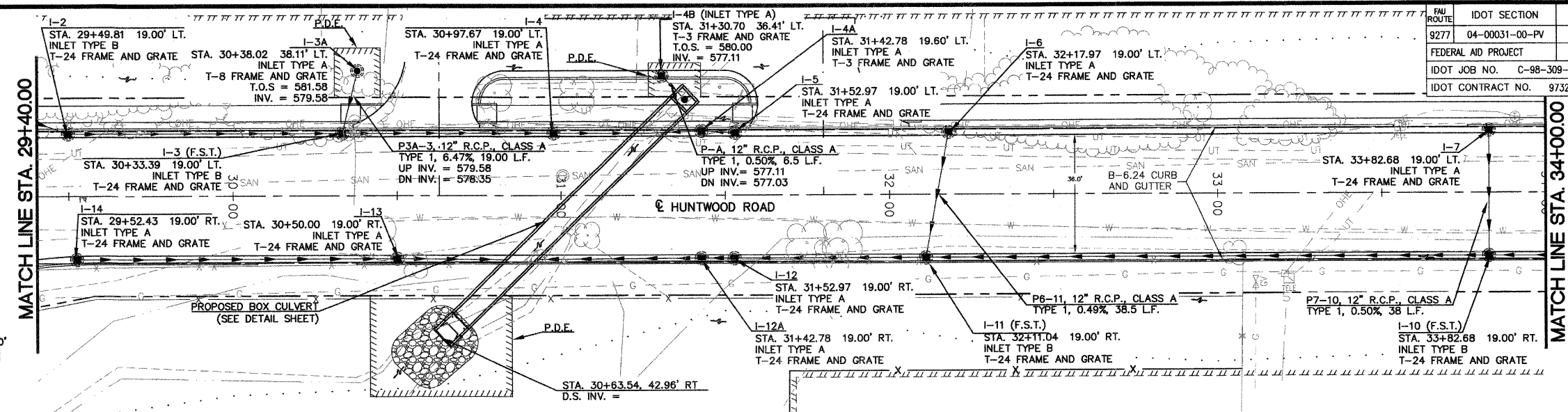
STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized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

TITLE: DRAINAGE PLAN AND PROFILE
STA. 29+40.00 TO STA. 34+00.00

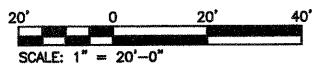
PROJECT: HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	CHECKED BY: SJK	APPROVED BY: SJK	PROJECT NUMBER: T20-030356
DESIGNED BY: JWS	CHECKED BY: SJK	APPROVED BY: SJK	PROJECT DESCRIPTION:
SHEET 36 OF 104 SHEETS			
<input checked="" type="checkbox"/> ISSUED FOR REVIEW		<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.		<input type="checkbox"/> RECORD DRAWING	

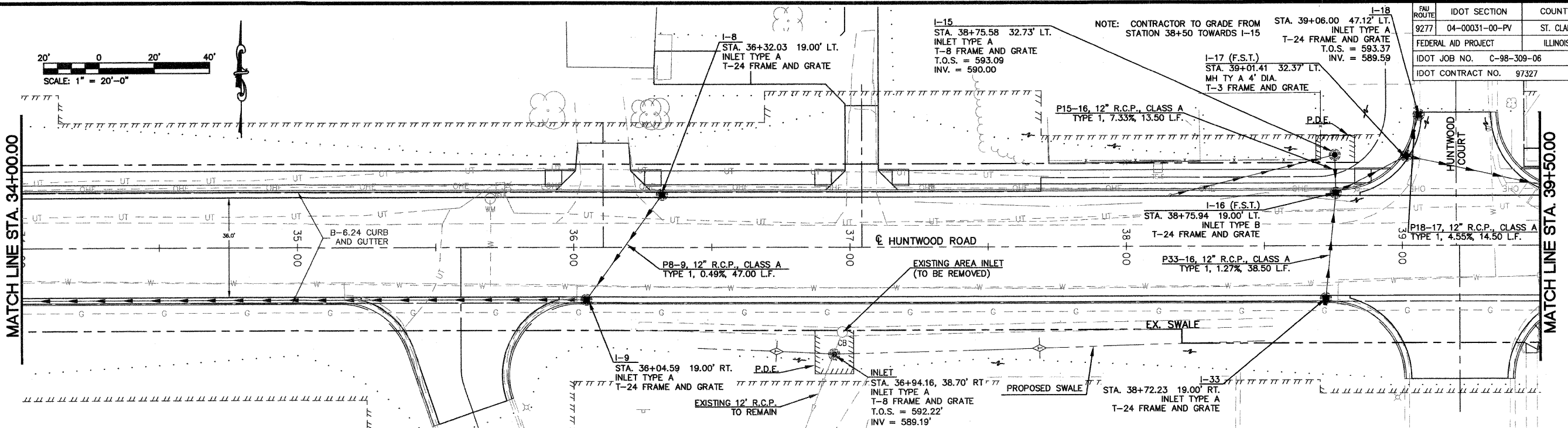


P:\030356\dwg\Roadway Plans\030356 PPRDRAINAGE.dwg 6/25/2008 1:19:22 PM CDT



MATCH LINE STA. 34+00.00

MATCH LINE STA. 39+50.00



NOTE: CONTRACTOR TO GRADE FROM STATION 38+50 TOWARDS I-15

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



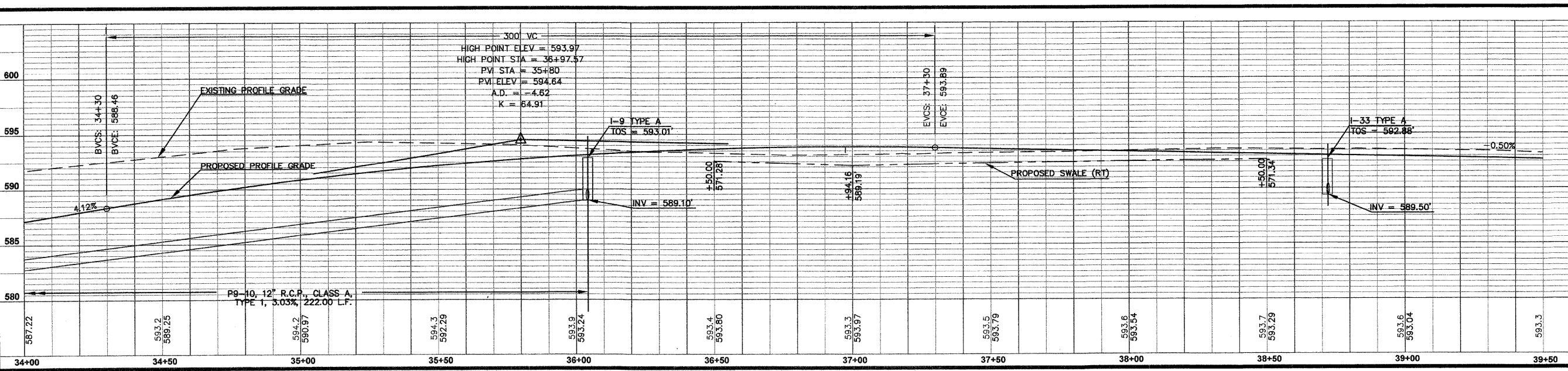
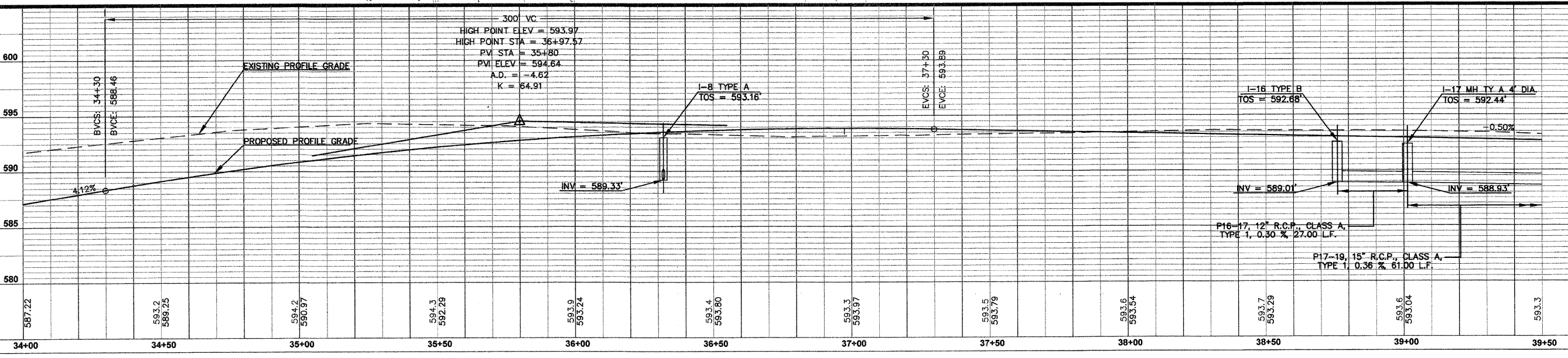
- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035710
PROFESSIONAL STRUCTURAL ENGR. CORP.	61-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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
DRAINAGE PLAN AND PROFILE
STA. 34+00.00 TO STA. 39+50.00

PROJECT
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV	DATE	DESCRIPTION

DRAWN BY:	JWS	SHEET
DESIGNED BY:	JWS	37
CHECKED BY:	SJK	OF 104 SHEETS
APPROVED BY:	SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356		
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

P:\030356\Virg\Roadway Plans\ROADWAY PLANS\030356 PDR\RAINAGE.dwg 6/26/2008 1:19:22 PM CDT

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO. C-98-309-06		
IDOT CONTRACT NO. 97327		

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62126
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005022
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000546

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

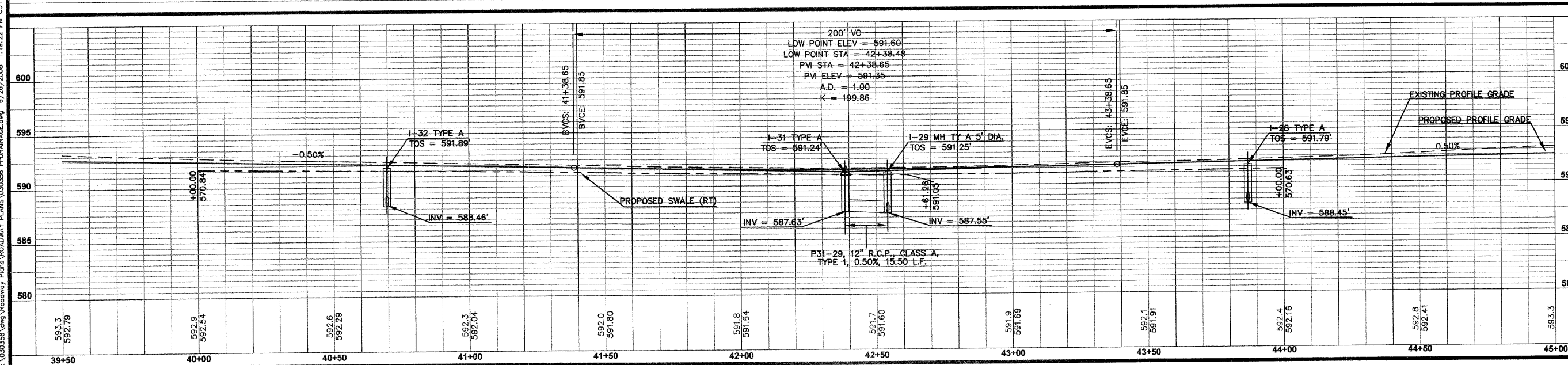
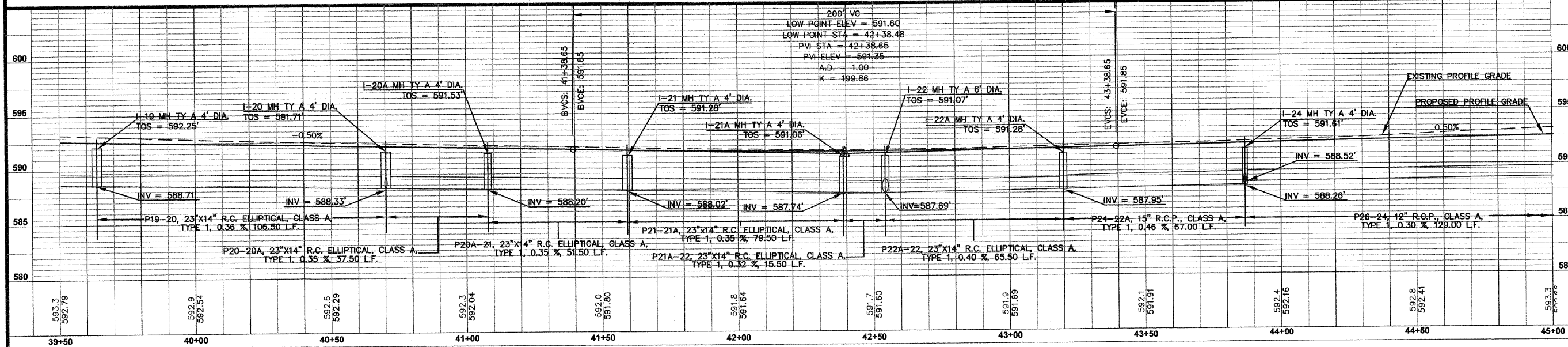
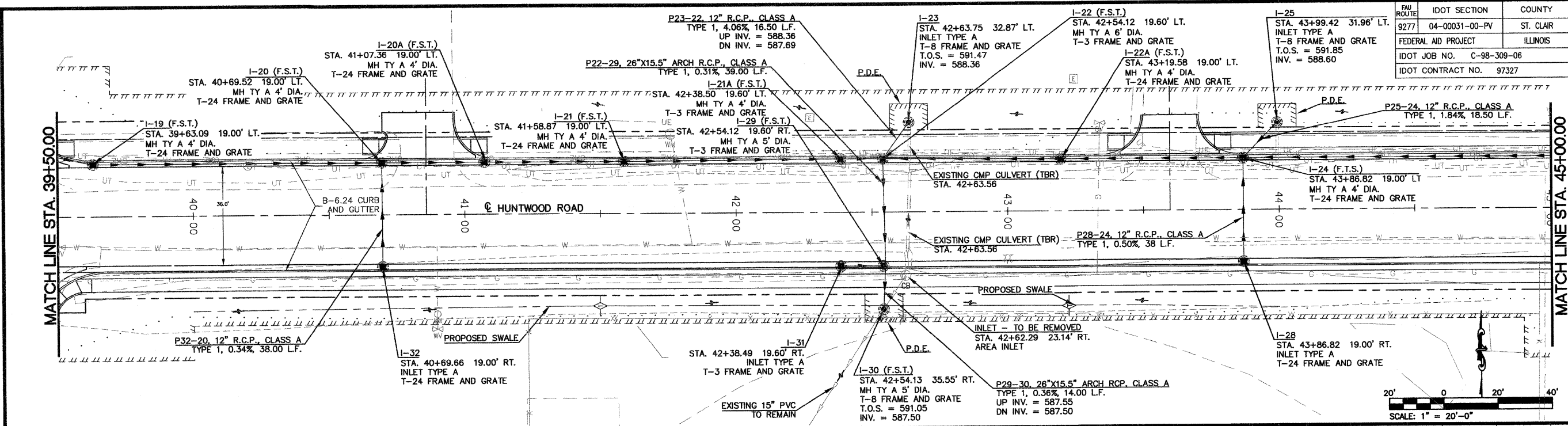
STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized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

DRAINAGE PLAN AND PROFILE
STA. 39+50.00 TO STA. 45+00.00

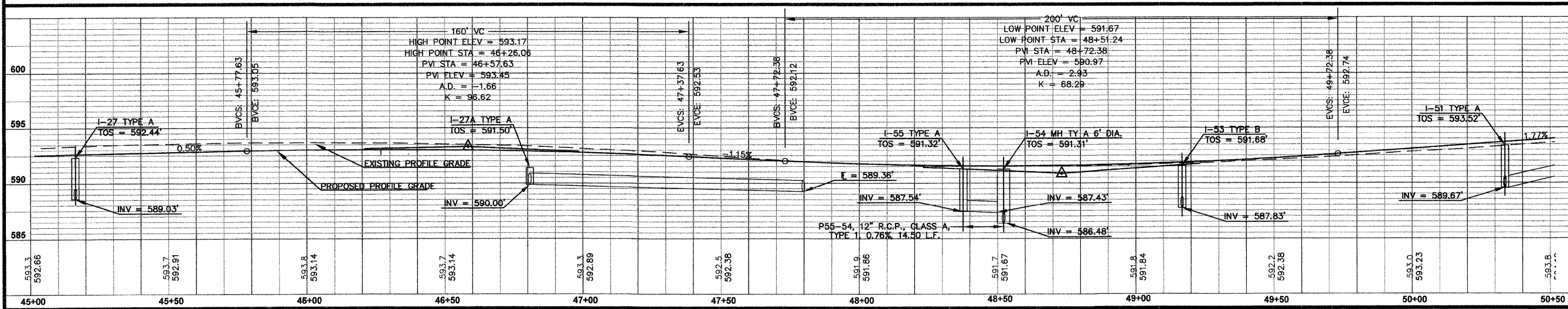
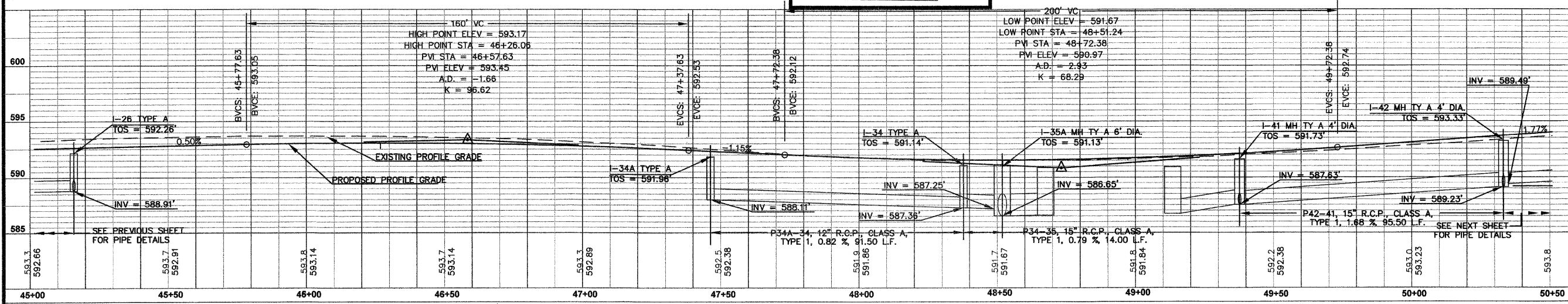
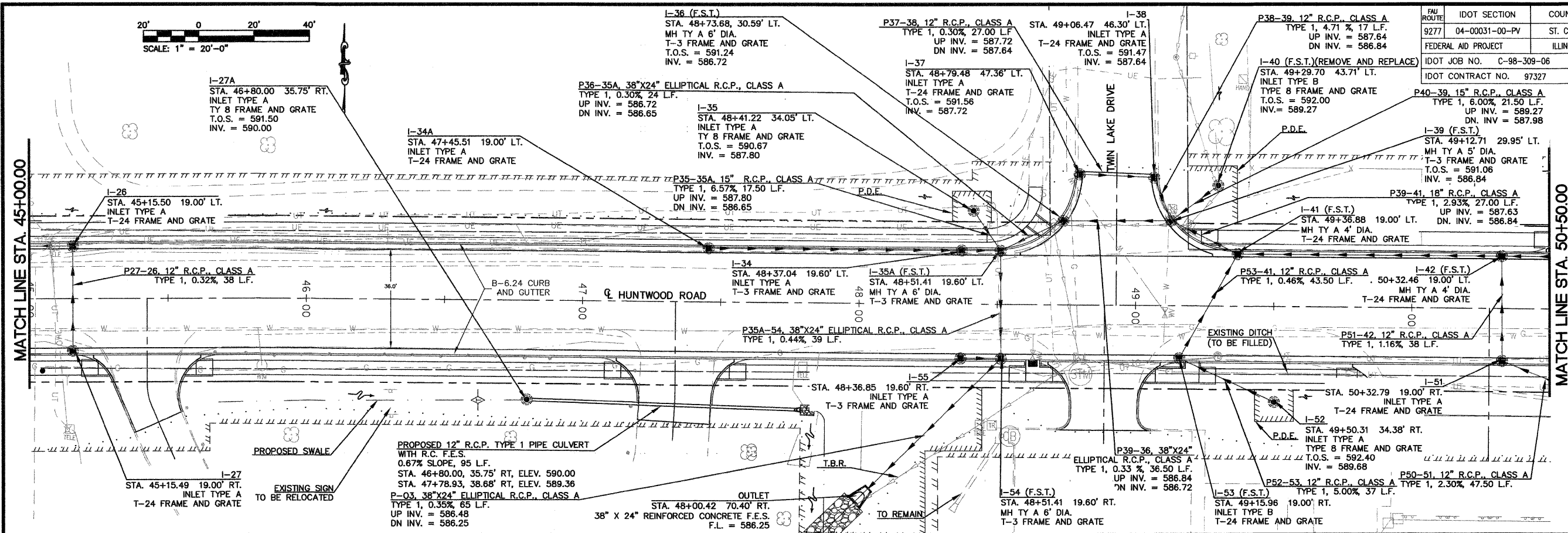
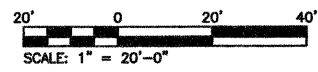
PROJECT:
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	38
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: 120-030356	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



P:\030356\Drawings\Roadway\Plans\030356_PDRDRAINAGE.dwg 6/26/2008 1:19:22 PM CDT



FAU ROUTE	IDOT SECTION	COUNTY
9277	04-0031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwards@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001538
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
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.

DRAINAGE PLAN AND PROFILE
STA. 45+00.00 TO STA. 50+50.00

PROJECT:
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY:	JWS	SHEET
DESIGNED BY:	JWS	39
CHECKED BY:	SJK	OF 104 SHEETS
APPROVED BY:	SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356		
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
10156 CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000246

Signature: _____
Signature Date: _____
Expiration Date: _____

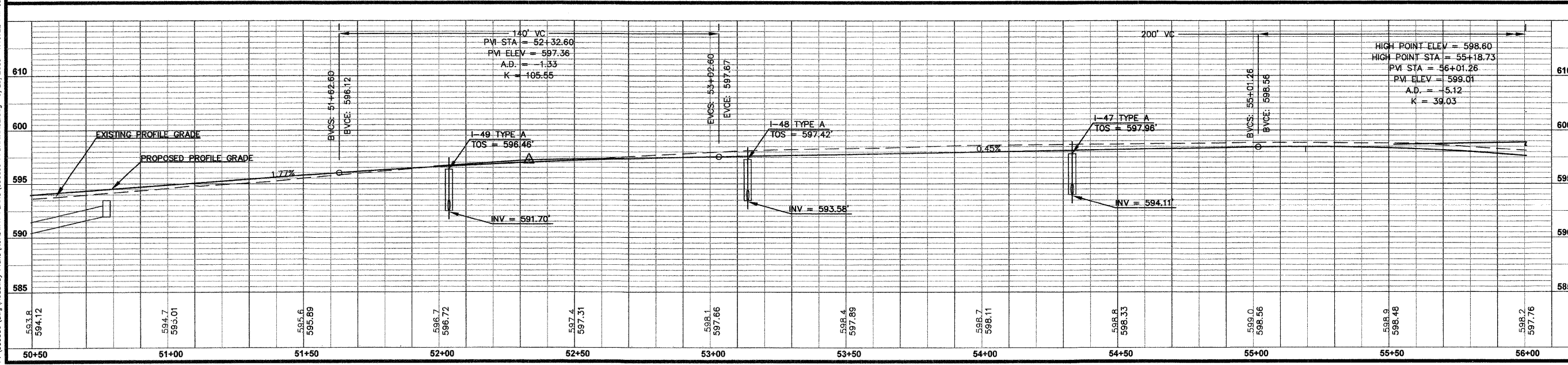
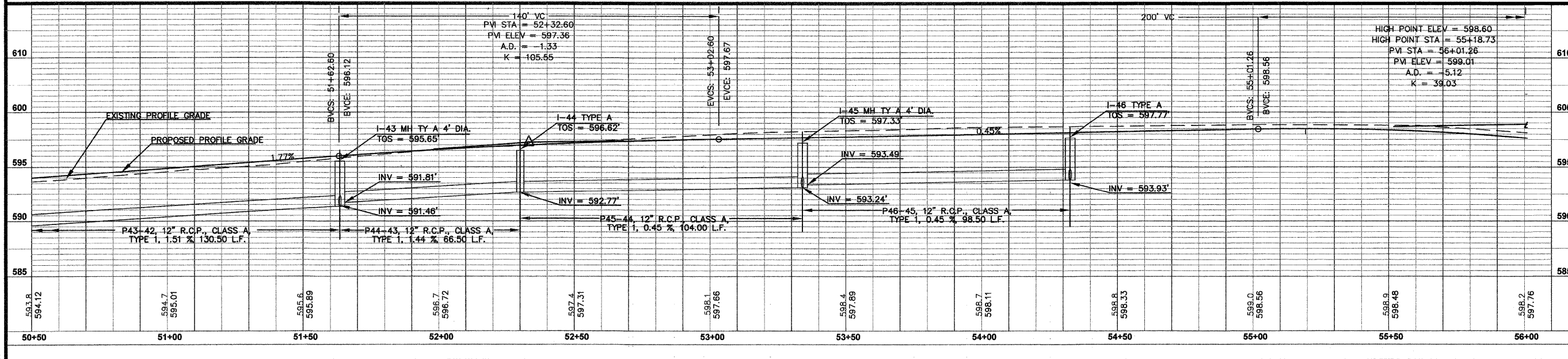
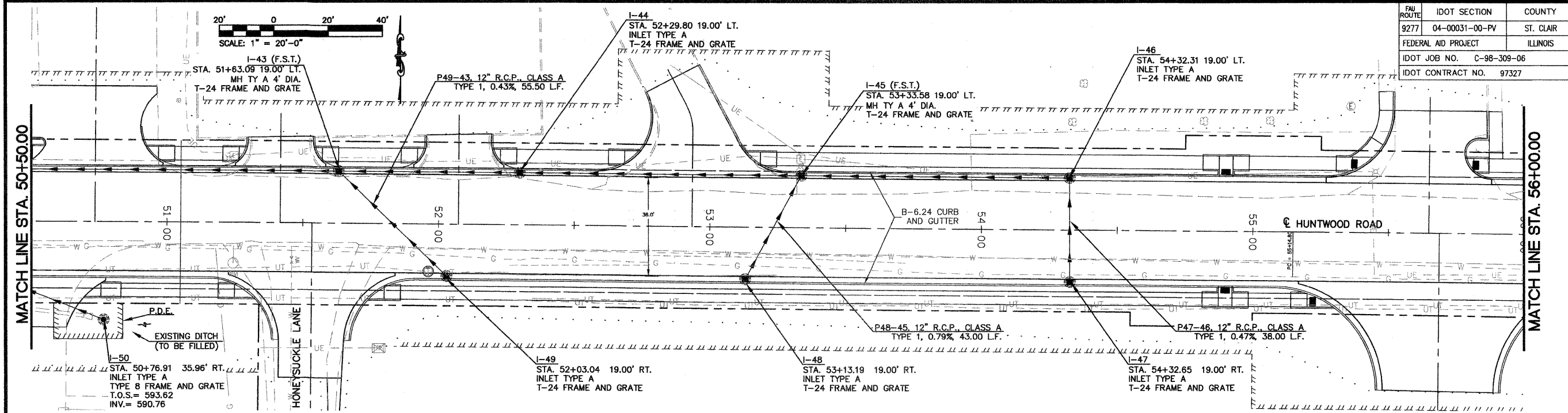
STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authorized by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for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

TITLE: DRAINAGE PLAN AND PROFILE
STA. 50+50.00 TO STA. 56+00.00

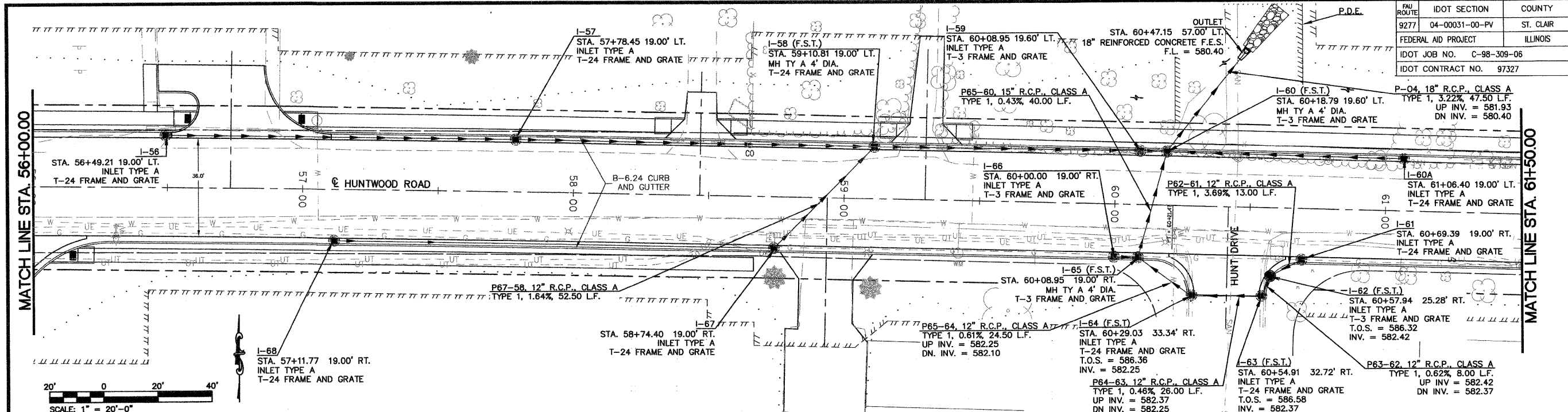
PROJECT: HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	40
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



P:\030356\dwg\Roadway Plans\ROADWAY PLANS\030356_PDRDRAINAGE.dwg 6/28/2008 11:19:22 PM CDT



FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		
ILLINOIS		
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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

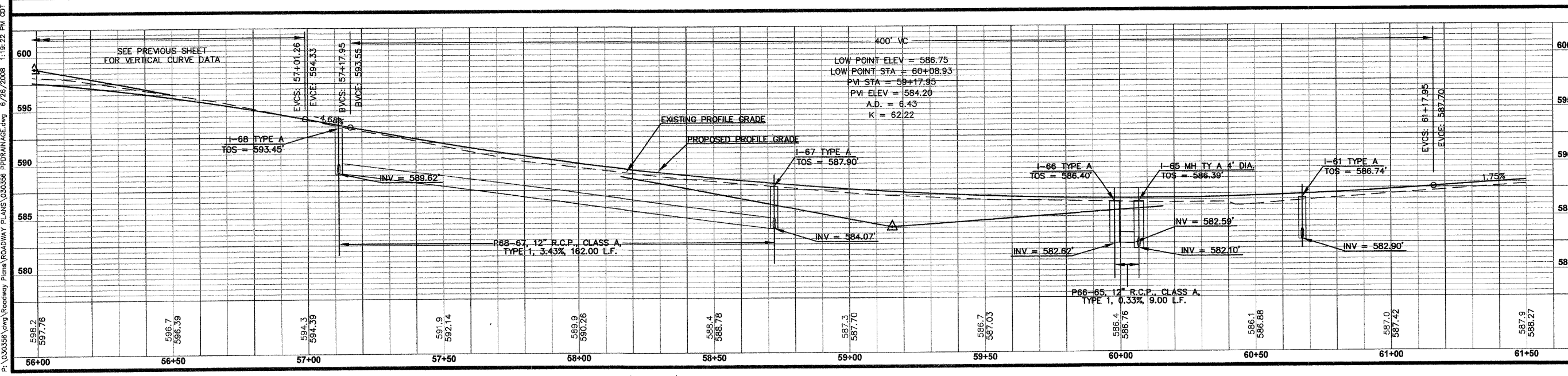
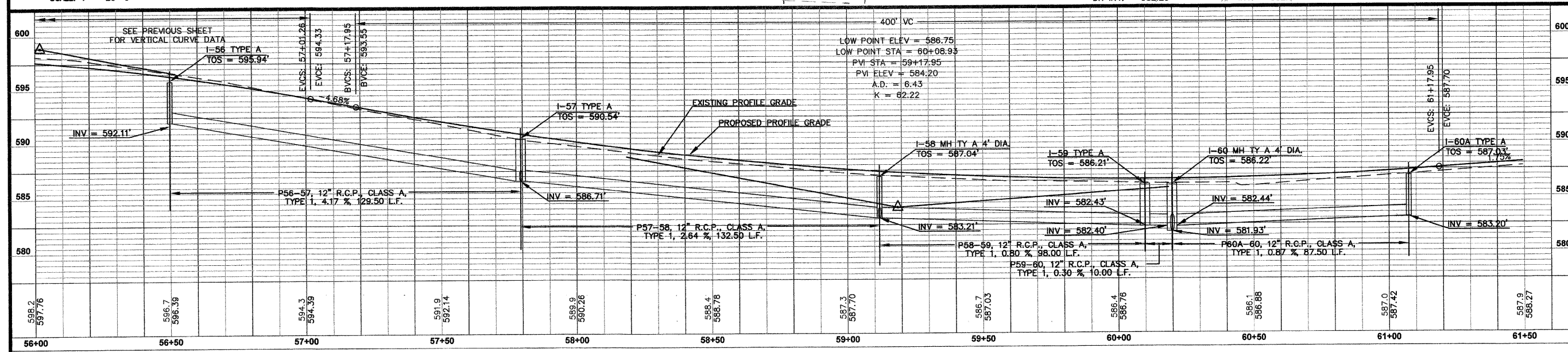
TWM

CORPORATE OFFICE
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com

EDWARDSVILLE OFFICE
10158 CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com

ST. LOUIS OFFICE
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com

WATERLOO OFFICE
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com



PROFESSIONAL REGISTRATIONS

ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035570
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
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.

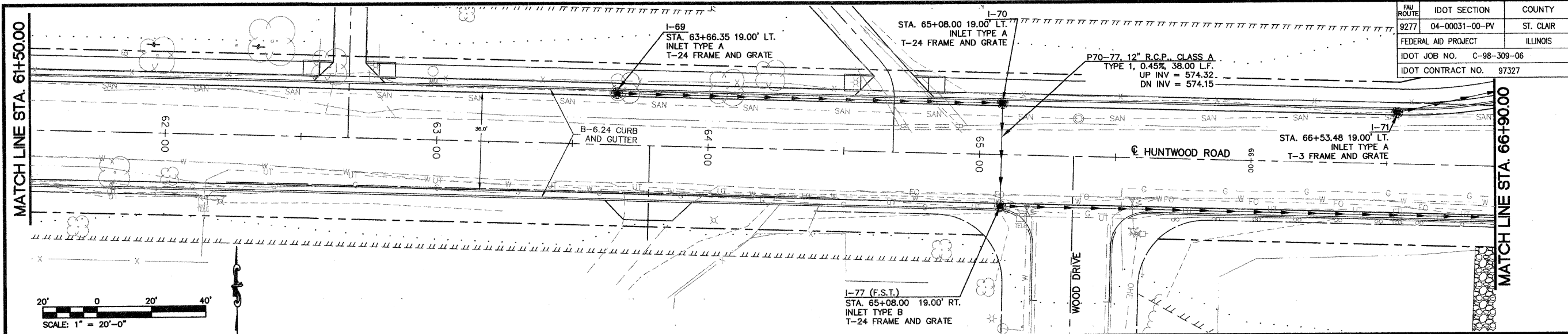
TITLE
DRAINAGE PLAN AND PROFILE
STA. 56+00.00 TO STA. 61+50.00

PROJECT
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY:	JWS	SHEET 41 OF 104 SHEETS
DESIGNED BY:	JWS	
CHECKED BY:	SJK	PROJECT DESCRIPTION
APPROVED BY:	SJK	
PROJECT NUMBER:	120-030356	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

P:\130356\dwg\Roadway Plans\ROADWAY PLANS\030356 PPDRAINAGE.dwg 6/26/2008 1:19:22 PM CDT

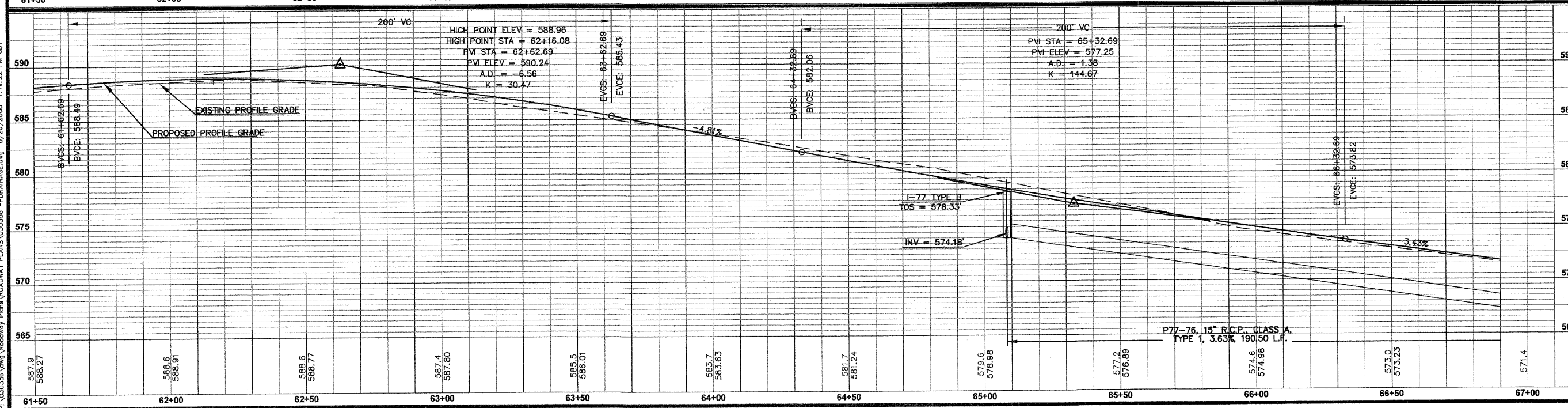
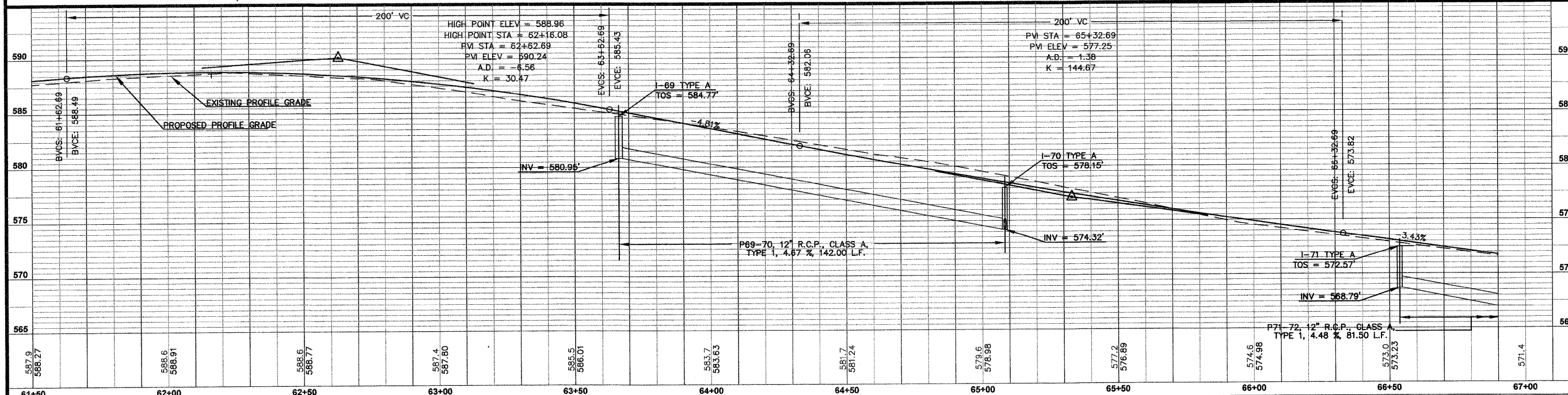


FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com



PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
 Signature Date: _____
 Expiration Date: _____

STATEMENT OF RESPONSIBILITY
 I hereby confirm that the document herein to be authenticated 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
 DRAINAGE PLAN AND PROFILE
 STA. 61+50.00 TO STA. 66+90.00

PROJECT:
 HUNTHOOD ROAD RECONSTRUCTION
 VILLAGE OF SWANSEA
 ST. CLAIR COUNTY

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	42
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: 20-030356	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> REQUIRED DRAWING

PAV ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

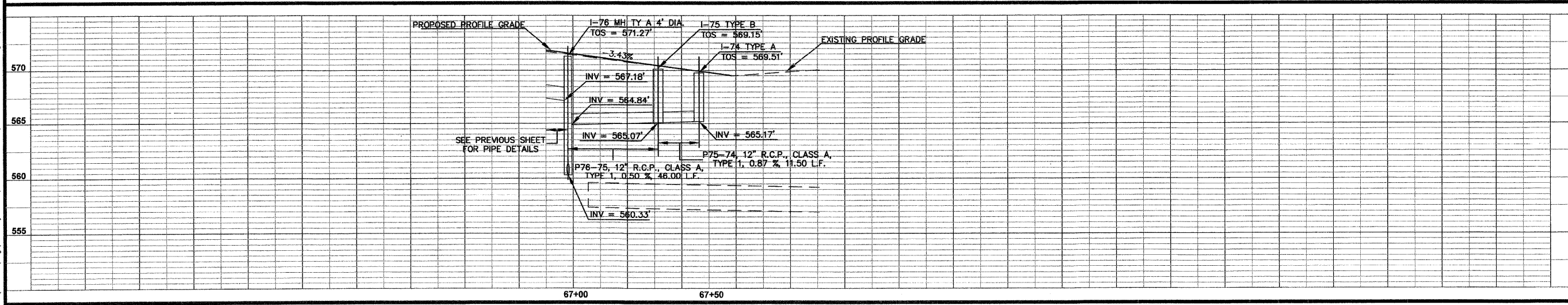
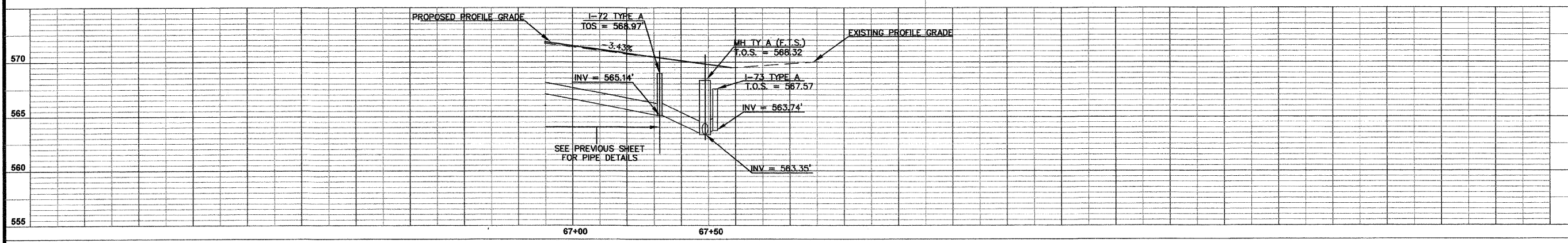
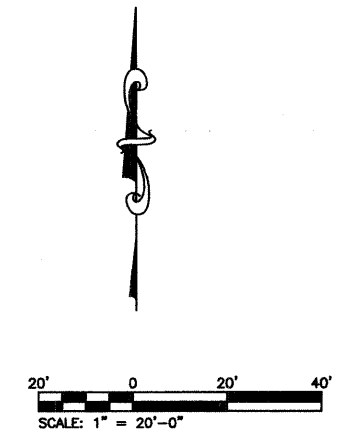
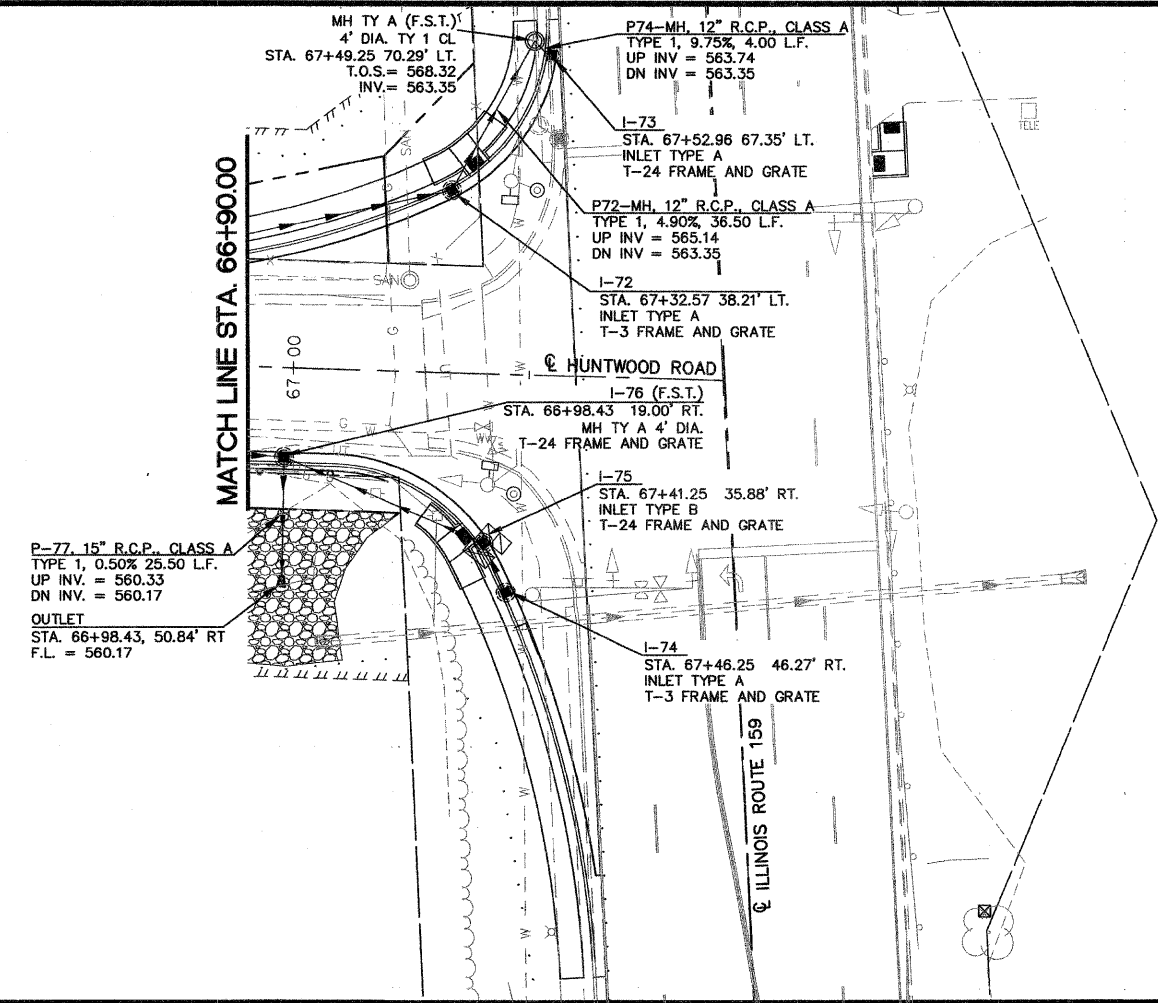
STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized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

TITLE
DRAINAGE PLAN AND PROFILE
STA. 67+00.00 TO STA. 67+91.10

PROJECT
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY:	JWS	SHEET 43 OF 104 SHEETS
DESIGNED BY:	JWS	
CHECKED BY:	SJK	PROJECT DESCRIPTION
APPROVED BY:	SJK	
PROJECT NUMBER	120-030356	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	



P:\030356.dwg\Roadway Plans\ROADWAY PLANS\030356 PDR.DRAINAGE.dwg 6/26/2008 1:19:22 PM CDT

FED. ROUTE	IDOT SECTION	COUNTY
9277	04-0031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	02-035270
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	046-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

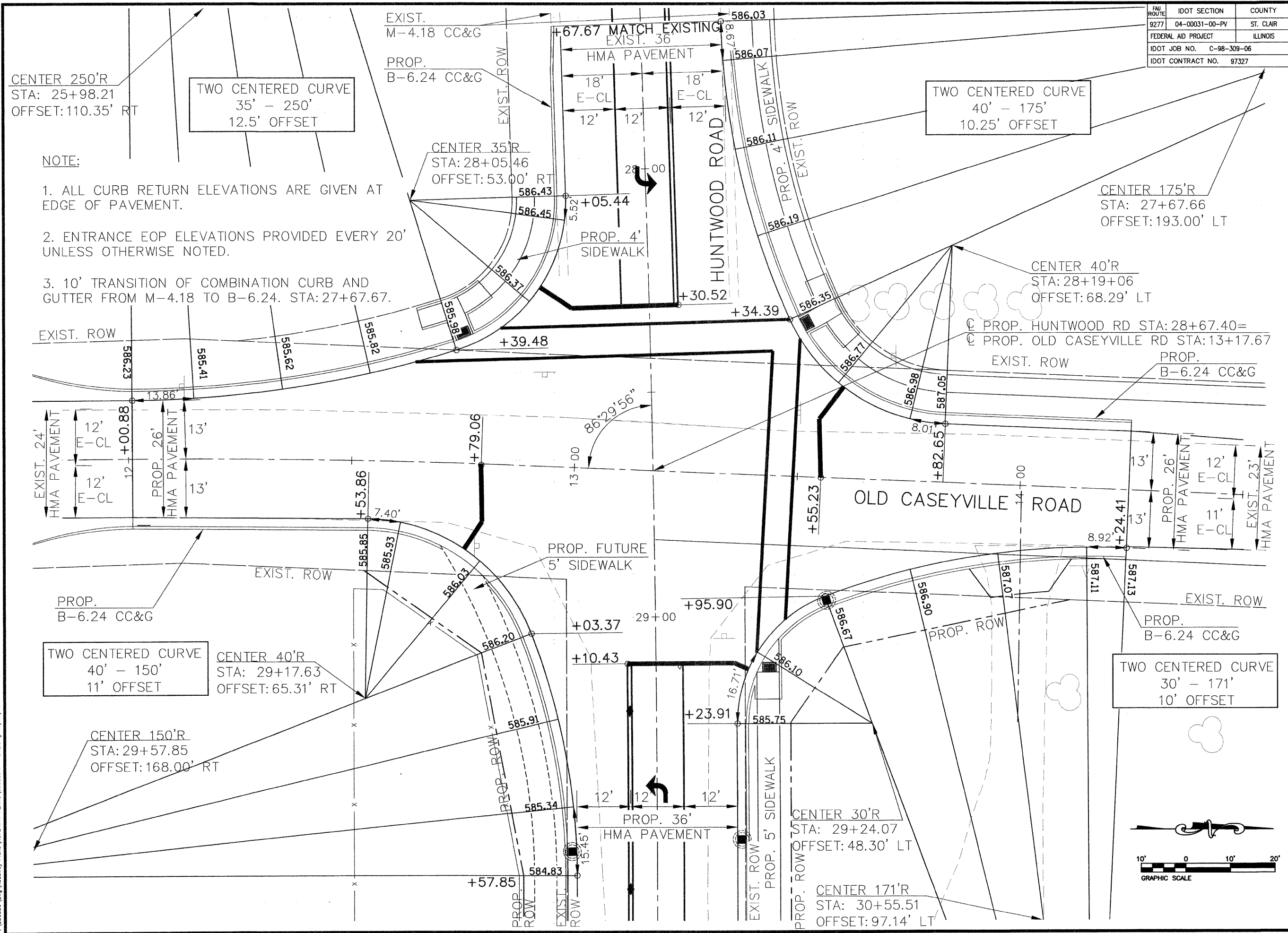
Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
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.

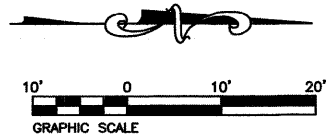
CURB WARPING AND INTERSECTION DETAIL OLD CASEYVILLE ROAD
PROJECT: **HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY**

REV.	DATE	DESCRIPTION

DRAWN BY:	MLS	SHEET
DESIGNED BY:	MLS	44
CHECKED BY:	SJK	OF 104 SHEETS
APPROVED BY:	SJK	PROJECT DESCRIPTION
PROJECT NUMBER:	220-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	



P: 030356.dwg Roadway Plans/ROADWAY PLANS/030356 INT-DTL.dwg 6/26/2008 12:12:11 PM CDT



FBI ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-005370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	046-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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.

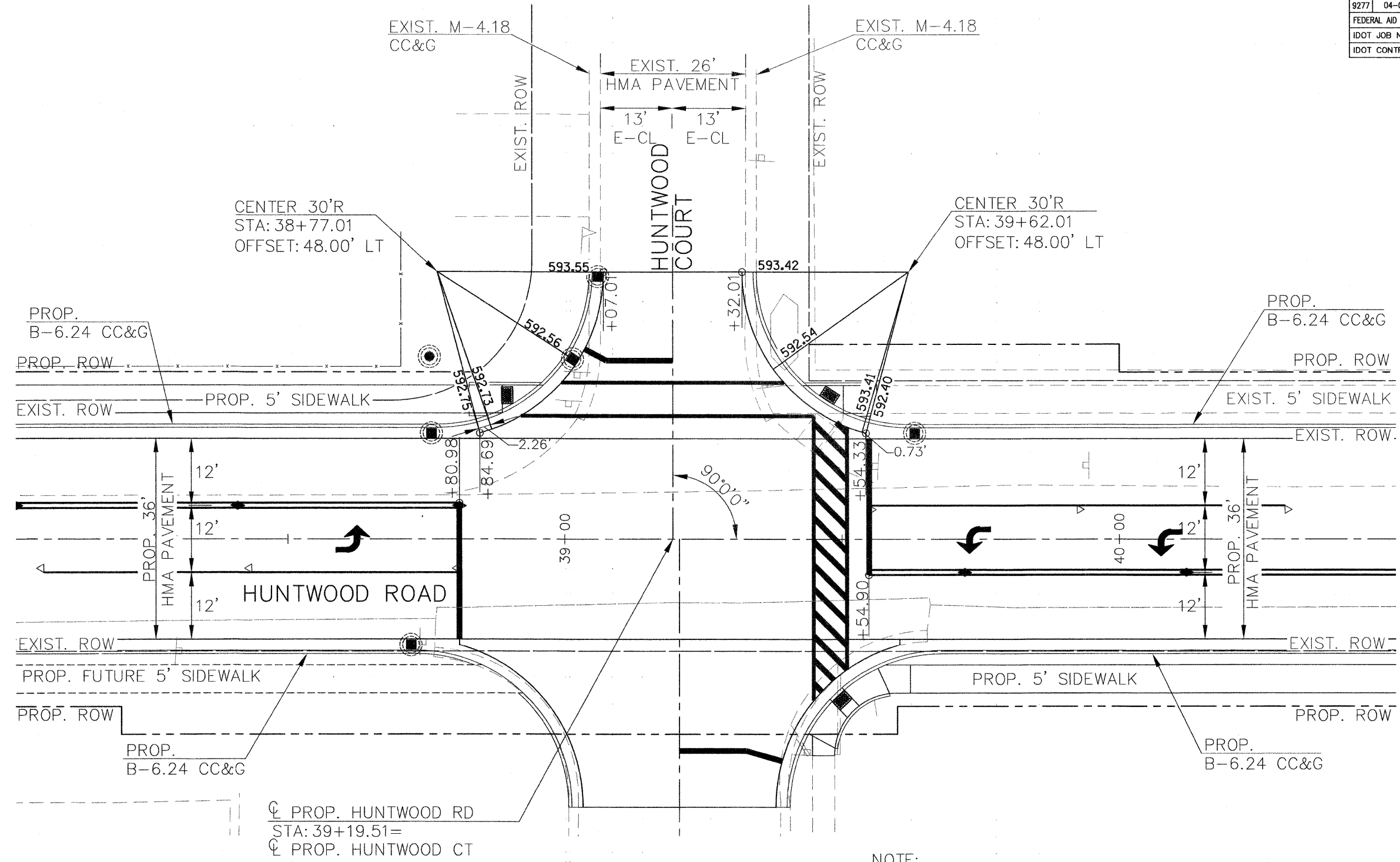
TITLE:
CURB WARPING AND INTERSECTION DETAIL HUNTWOOD COURT

PROJECT:
HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	MLS	SHEET
DESIGNED BY:	MLS	45
CHECKED BY:	SJK	OF 104 SHEETS
APPROVED BY:	SJK	PROJECT DESCRIPTION
PROJECT NUMBER:	T20-030356	Huntwood Road ReConstruction

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



NOTE:

1. ALL CURB RETURN ELEVATIONS ARE GIVEN AT EDGE OF PAVEMENT.
2. ENTRANCE EOP ELEVATIONS PROVIDED EVERY 20' UNLESS OTHERWISE NOTED.
3. 10' TRANSITION OF COMBINATION CURB AND GUTTER FROM M-4.18 TO B-6.24. STA: 39+05.01 AND 39+34.00. OFFSET 48.00' LT.



P:\030356.dwg \Roadway Plans\ROADWAY PLANS\030356 INT-DTL.dwg 6/26/2008 12:12:11 PM GDT

FBI ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005002
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001529
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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:
CURB WARPING AND INTERSECTION DETAIL TWIN LAKE DRIVE

PROJECT:
HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

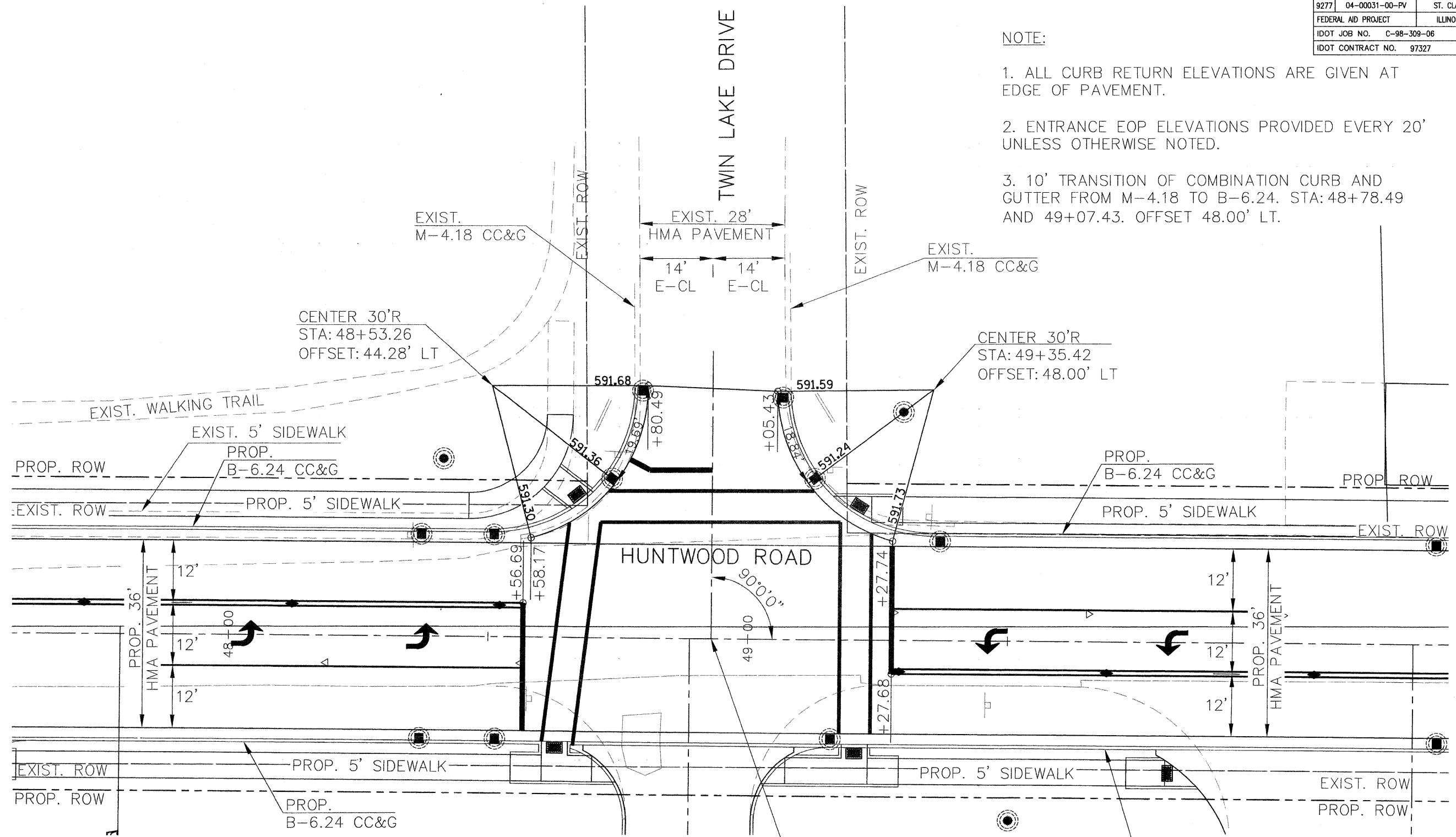
REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	MLS	SHEET
DESIGNED BY:	MLS	46
CHECKED BY:	SJK	OF 104 SHEETS
APPROVED BY:	SJK	PROJECT DESCRIPTION
PROJECT NUMBER	120-030356	Huntwood Road Reconstruction

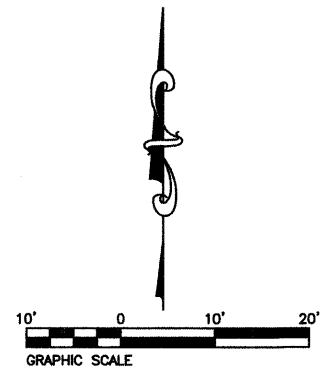
- ISSUED FOR REVIEW
- ISSUED FOR BIDDING
- ISSUED FOR CONSTR.
- RECORD DRAWING

NOTE:

1. ALL CURB RETURN ELEVATIONS ARE GIVEN AT EDGE OF PAVEMENT.
2. ENTRANCE EOP ELEVATIONS PROVIDED EVERY 20' UNLESS OTHERWISE NOTED.
3. 10' TRANSITION OF COMBINATION CURB AND GUTTER FROM M-4.18 TO B-6.24. STA: 48+78.49 AND 49+07.43. OFFSET 48.00' LT.



⊕ PROP. HUNTWOOD RD
STA: 48+92.96=
⊕ PROP. TWIN LAKE DR.



P:\030356\Roadway Plans\ROADWAY PLANS\030356 INT-DTL.dwg 6/26/2008 12:12:11 PM GDT

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-309-06		
IDOT CONTRACT NO. 97327		

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

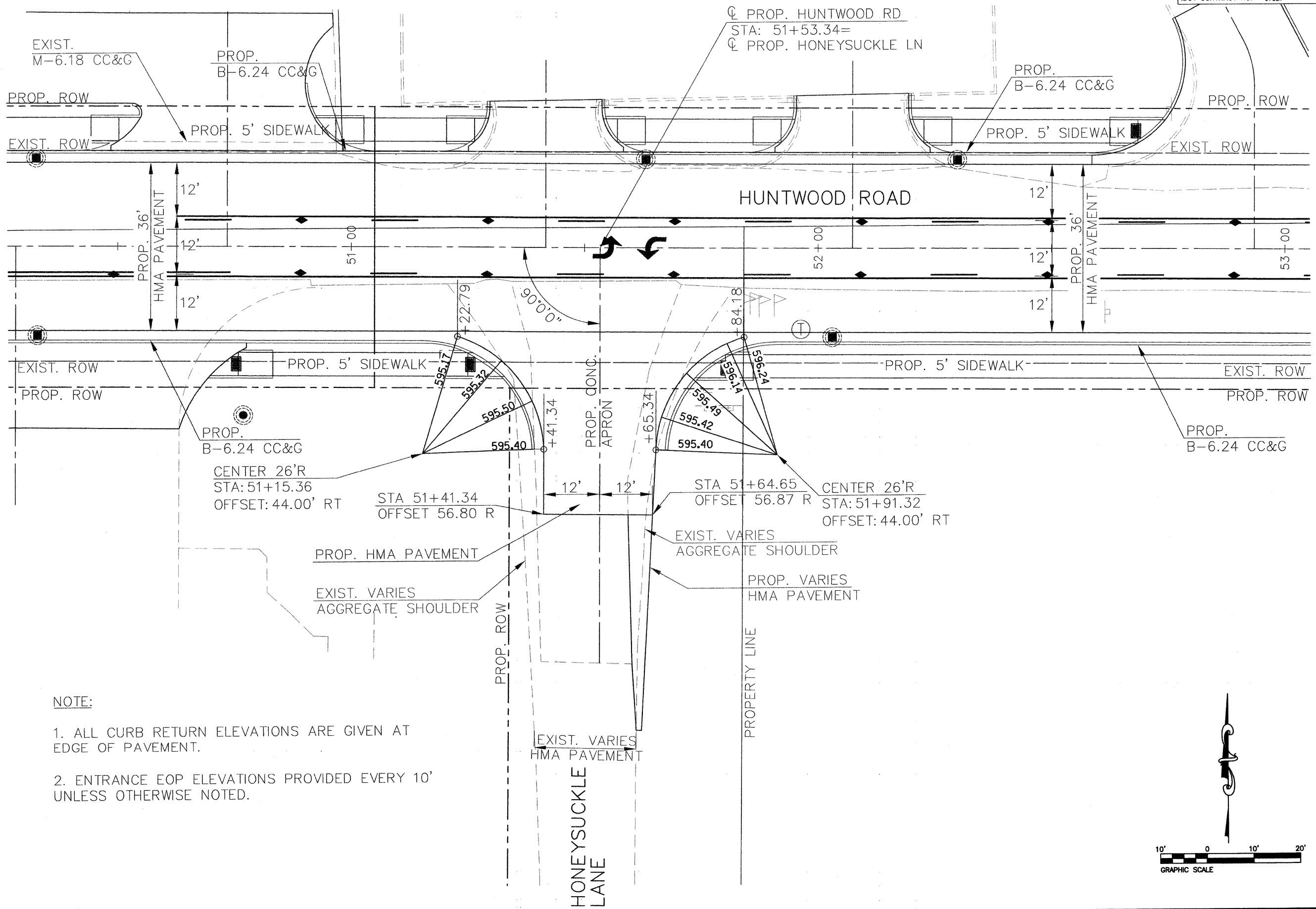
SEAL

Signature: _____
Expiration Date: _____
STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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.

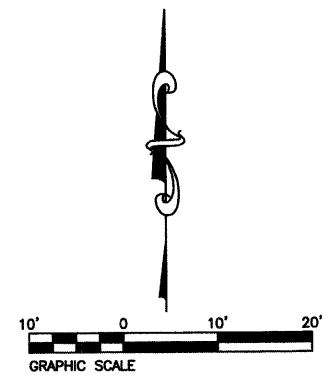
CURB WARPING AND INTERSECTION DETAIL HONEYSUCKLE LANE
PROJECT: **HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY**

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: _____	MLS	SHEET
DESIGNED BY: _____	MLS	47
CHECKED BY: _____	SJK	OF 104 SHEETS
APPROVED BY: _____	SJK	PROJECT DESCRIPTION
PROJECT NUMBER: 20-030356	SJK	Huntwood Road ReConstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	



- NOTE:**
1. ALL CURB RETURN ELEVATIONS ARE GIVEN AT EDGE OF PAVEMENT.
 2. ENTRANCE EOP ELEVATIONS PROVIDED EVERY 10' UNLESS OTHERWISE NOTED.



P:\030356\Work\Roadway Plans\Roadway Plans\030356 INT-DTL.dwg 6/26/2008 12:12:11 PM CDT

FAU ROUTE 9277	IDOT SECTION 04-00031-00-PV	COUNTY ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-309-06		
IDOT CONTRACT NO. 97327		

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



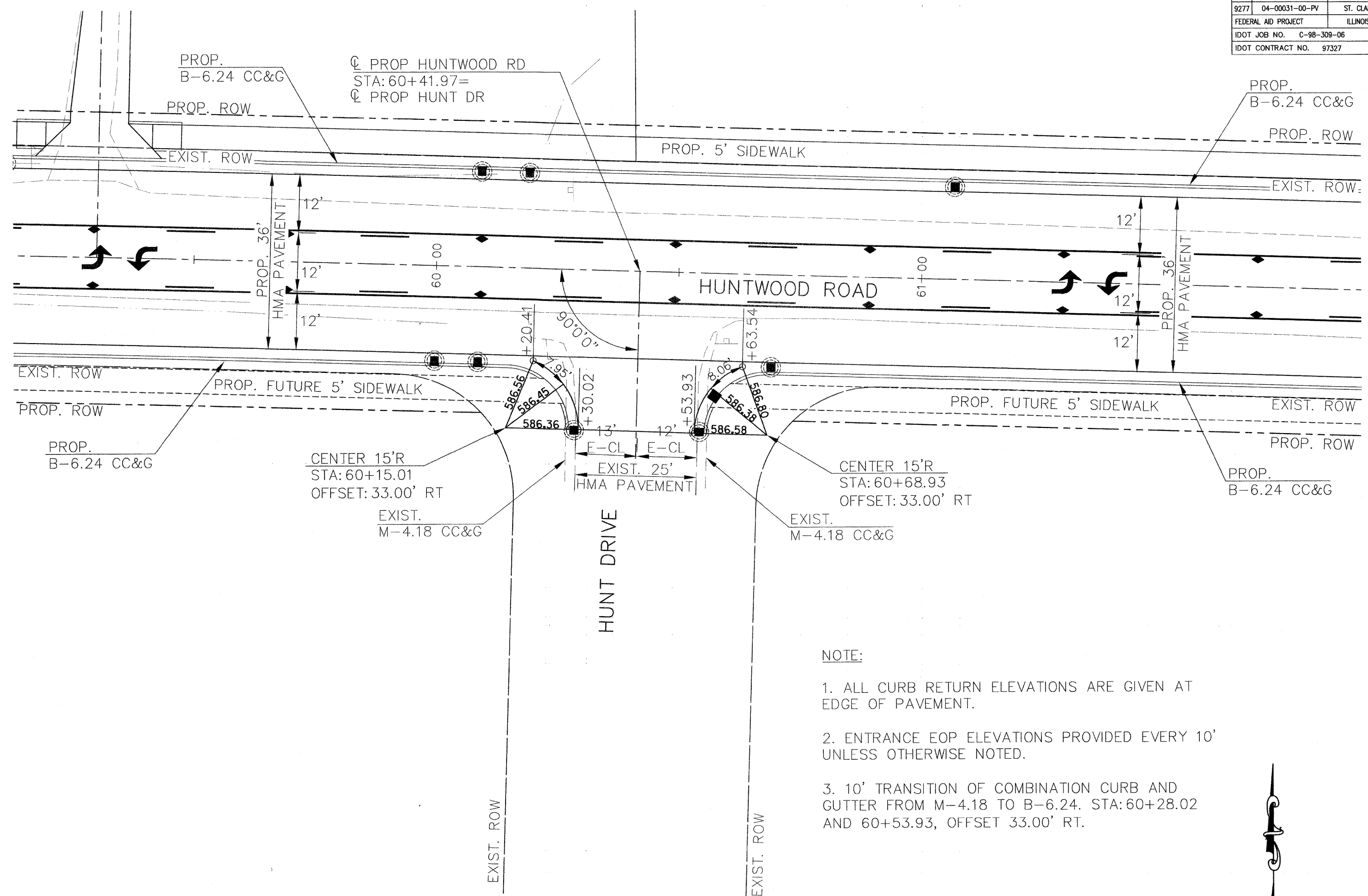
- CORPORATE OFFICE**
4840 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

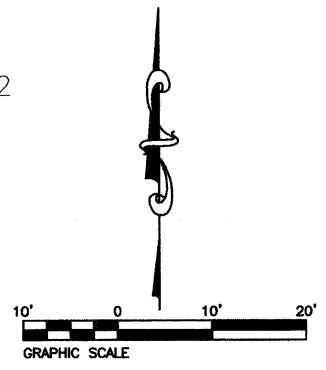
Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
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.



NOTE:

1. ALL CURB RETURN ELEVATIONS ARE GIVEN AT EDGE OF PAVEMENT.
2. ENTRANCE EOP ELEVATIONS PROVIDED EVERY 10' UNLESS OTHERWISE NOTED.
3. 10' TRANSITION OF COMBINATION CURB AND GUTTER FROM M-4.18 TO B-6.24. STA: 60+28.02 AND 60+53.93, OFFSET 33.00' RT.



TITLE
CURB WARPING AND INTERSECTION DETAIL HUNT DRIVE

PROJECT
HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY: _____	MLS	SHEET 48 OF 104 SHEETS
DESIGNED BY: _____	MLS	
CHECKED BY: _____	SJK	PROJECT DESCRIPTION Huntwood Road Reconstruction
APPROVED BY: _____	SJK	
PROJECT NUMBER: 20-030356		
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

FBI ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



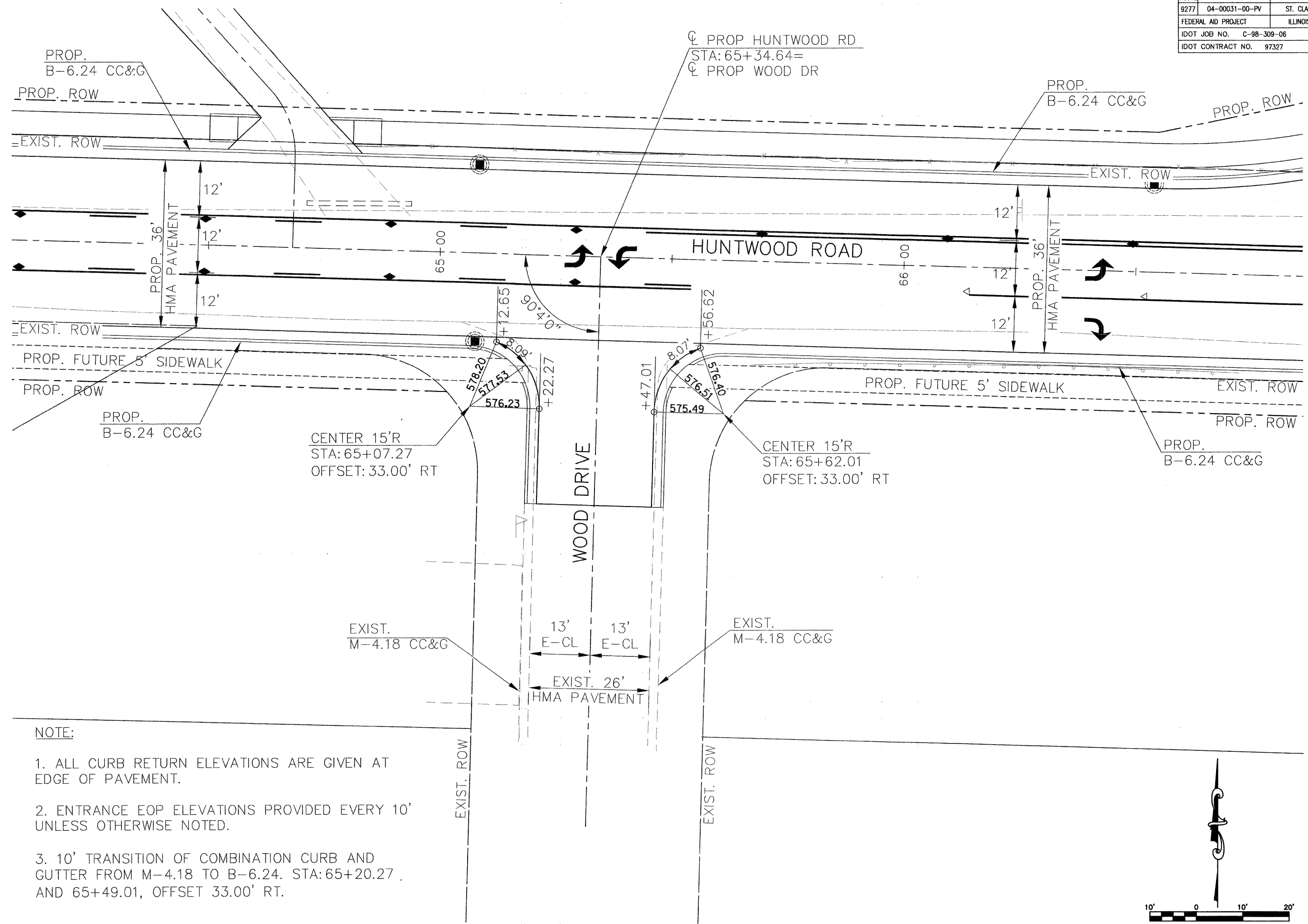
- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62205
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
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

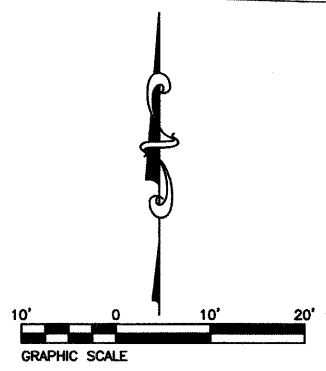
SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
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.



- NOTE:**
1. ALL CURB RETURN ELEVATIONS ARE GIVEN AT EDGE OF PAVEMENT.
 2. ENTRANCE EOP ELEVATIONS PROVIDED EVERY 10' UNLESS OTHERWISE NOTED.
 3. 10' TRANSITION OF COMBINATION CURB AND GUTTER FROM M-4.18 TO B-6.24. STA: 65+20.27 AND 65+49.01, OFFSET 33.00' RT.



TITLE:
CURB WARPING AND INTERSECTION DETAIL WOOD DRIVE

PROJECT:
HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY: _____	MLS	SHEET 49 OF 104 SHEETS
DESIGNED BY: _____	MLS	
CHECKED BY: _____	SJK	
APPROVED BY: _____	SJK	
PROJECT NUMBER: 120-030356	PROJECT DESCRIPTION Huntwood Road ReConstruction	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

P:\030356.dwg \Roadway Plans\030356 INT-DTL.dwg 6/26/2008 12:12:11 PM CDT

FAY ROUTE 9277	IDOT SECTION 04-00031-00-PV	COUNTY ST. CLAIR
FEDERAL AID PROJECT ILLINOIS		
IDOT JOB NO. C-98-309-06		
IDOT CONTRACT NO. 97327		

**THOUVENOT,
WADE &
MOERCHEN, INC.**
ENGINEERS • SURVEYORS • PLANNERS



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
 Signature Date: _____
 Expiration Date: _____
STATEMENT OF RESPONSIBILITY
 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.

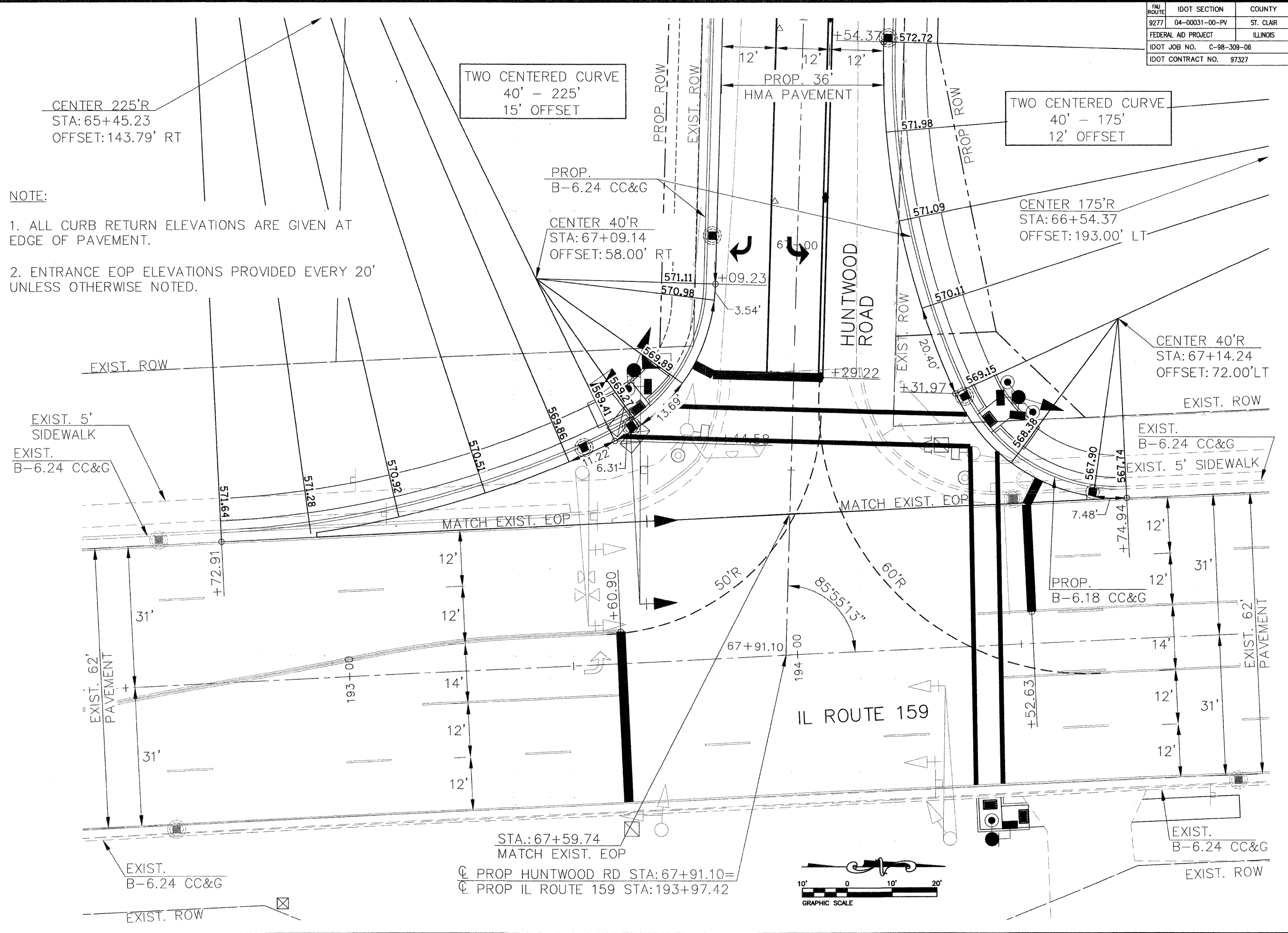
**CURB WARPING AND
INTERSECTION DETAIL
ILLINOIS ROUTE 159**

TITLE

PROJECT:
**HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY**

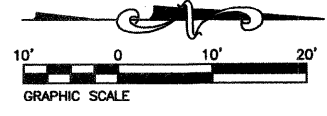
REV.	DATE	DESCRIPTION

DRAWN BY: _____	MLS	SHEET 50 OF 104 SHEETS
DESIGNED BY: _____	MLS	
CHECKED BY: _____	SJK	PROJECT DESCRIPTION
APPROVED BY: _____	SJK	Huntwood Road ReConstruction
PROJECT NUMBER: 20-030356		
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	



NOTE:

1. ALL CURB RETURN ELEVATIONS ARE GIVEN AT EDGE OF PAVEMENT.
2. ENTRANCE EOP ELEVATIONS PROVIDED EVERY 20' UNLESS OTHERWISE NOTED.



F:\030356.dwg \Roadway Plans\030356 INT-DT.dwg 6/26/2008 12:11:11 PM CDT

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-FV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



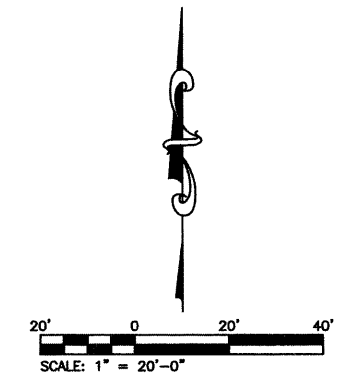
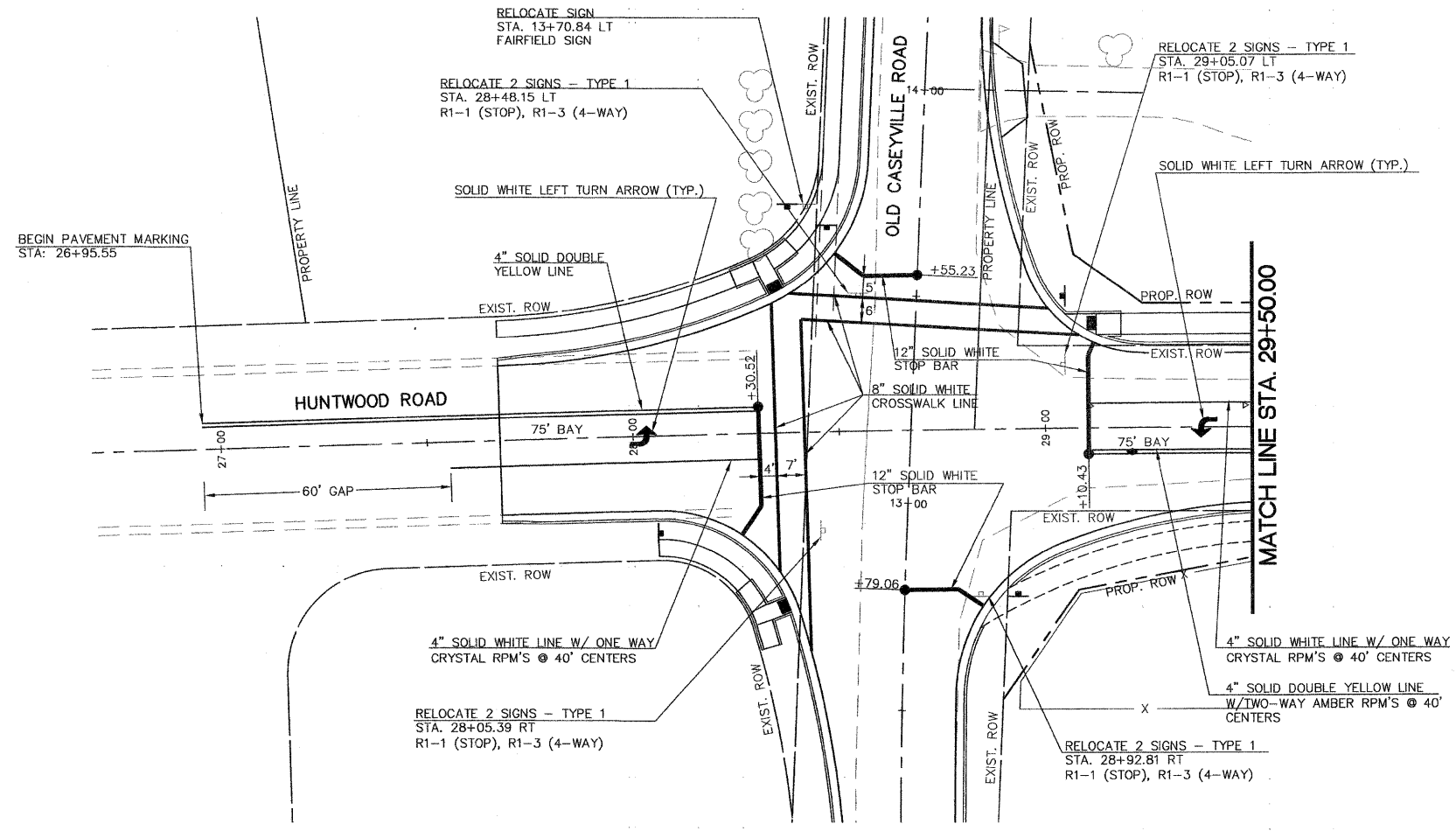
- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-033370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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.



F:\030356\dwg\Roadway Plans\ROADWAY PLANS\030356 P\TMK.dwg 9/22/2008 5:40:20 PM CDT

TITLE: PAVEMENT MARKING AND SIGNAGE
STA. 26+95.55 TO STA. 29+50.00


PROJECT: HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: MLS	SHEET
DESIGNED BY: MLS	51
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER 20-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-03570
PROFESSIONAL STRUCTURAL ENGR. CORP.	61-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
 Signature Date: _____
 Expiration Date: _____

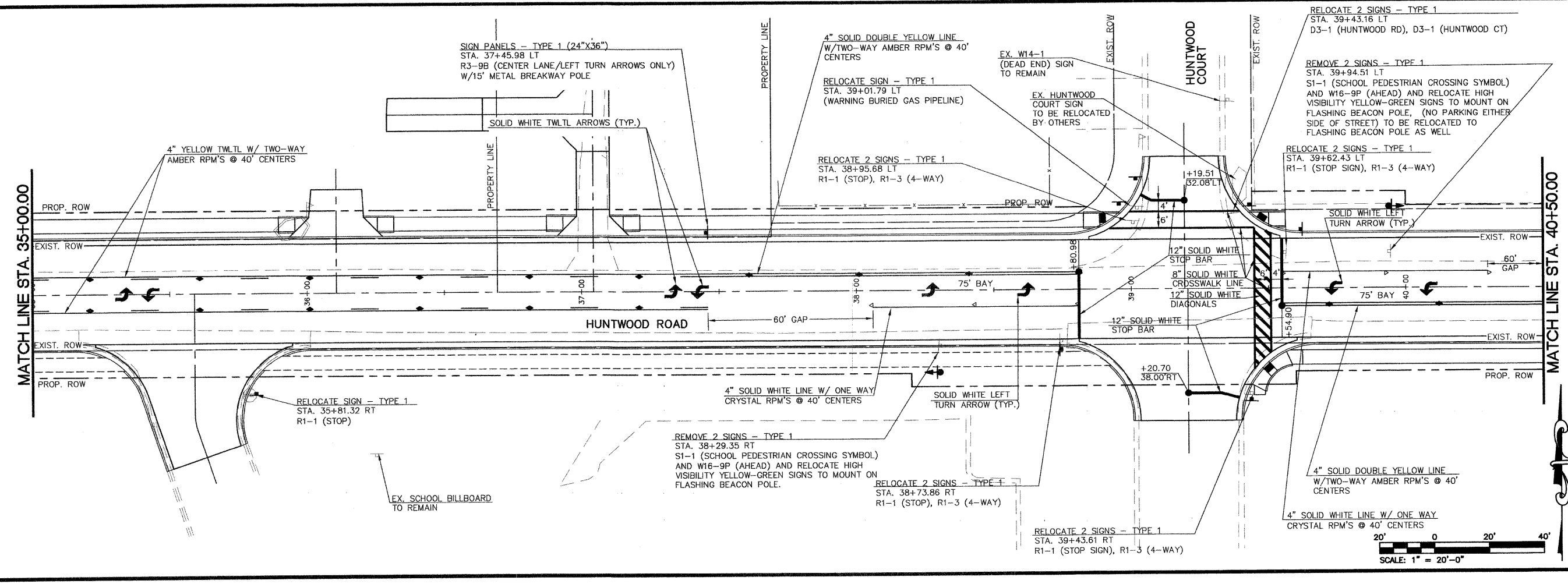
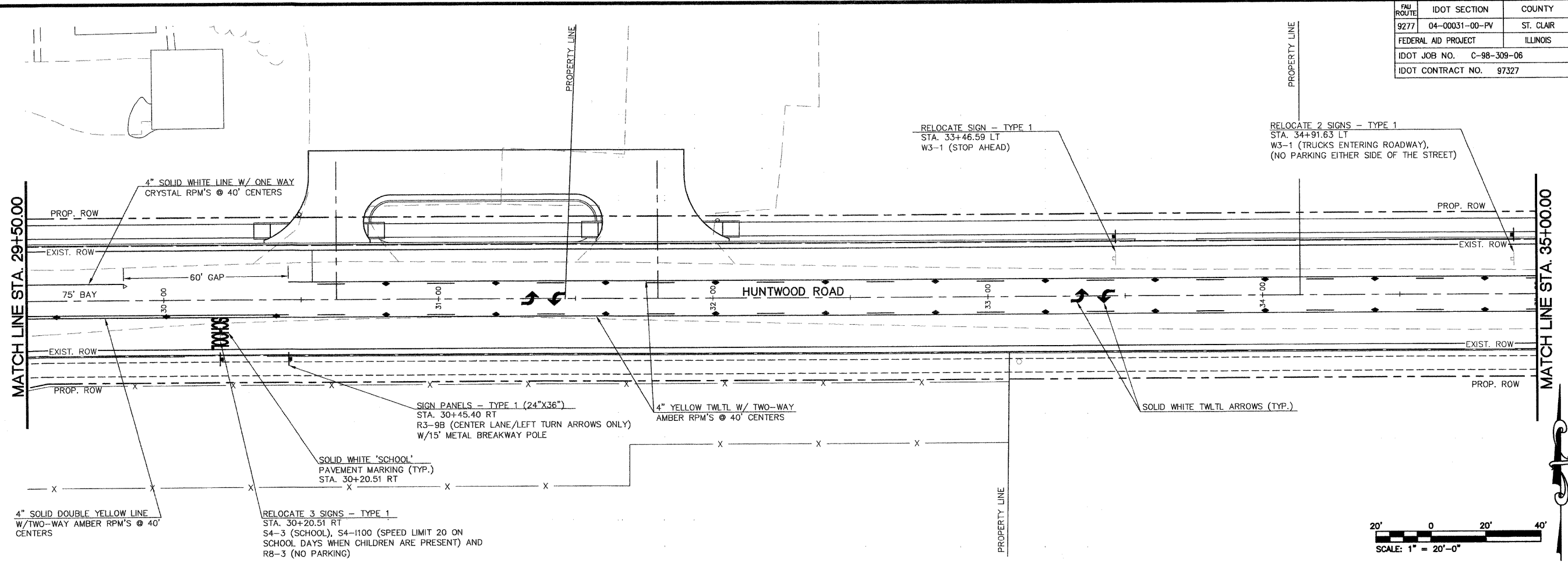
STATEMENT OF RESPONSIBILITY
 I hereby confirm that the document herein to be authorized by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized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

TITLE
 PAVEMENT MARKING AND SIGNAGE
 STA. 29+00.00 TO STA. 40+50.00

PROJECT:
 HUNTWOOD ROAD RECONSTRUCTION
 VILLAGE OF SWANSEA
 ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY:	MLS	SHEET
DESIGNED BY:	MLS	52
CHECKED BY:	SJK	OF 104 SHEETS
APPROVED BY:	SJK	PROJECT DESCRIPTION
PROJECT NUMBER:	20-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING		



P:\030356.dwg (Roadway Plans)\ROADWAY PLANS\030356 P\TMRK.dwg 9/22/2008 5:40:20 PM CDT

FBI ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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

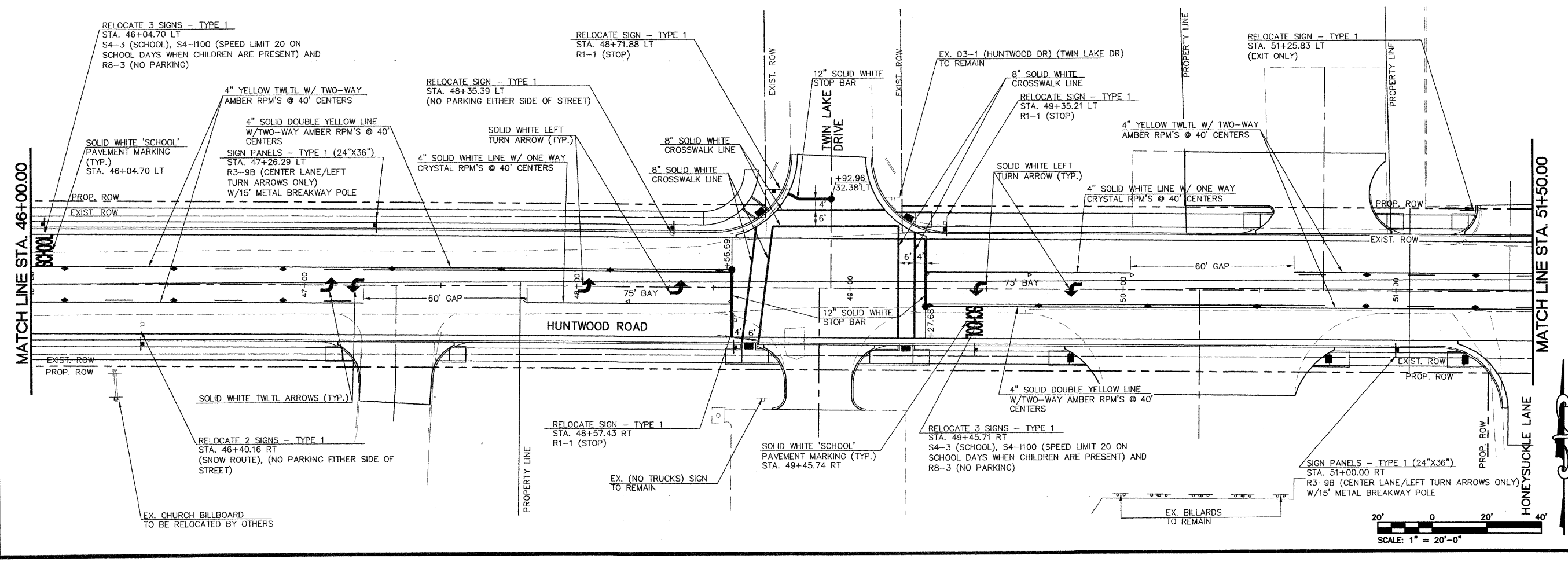
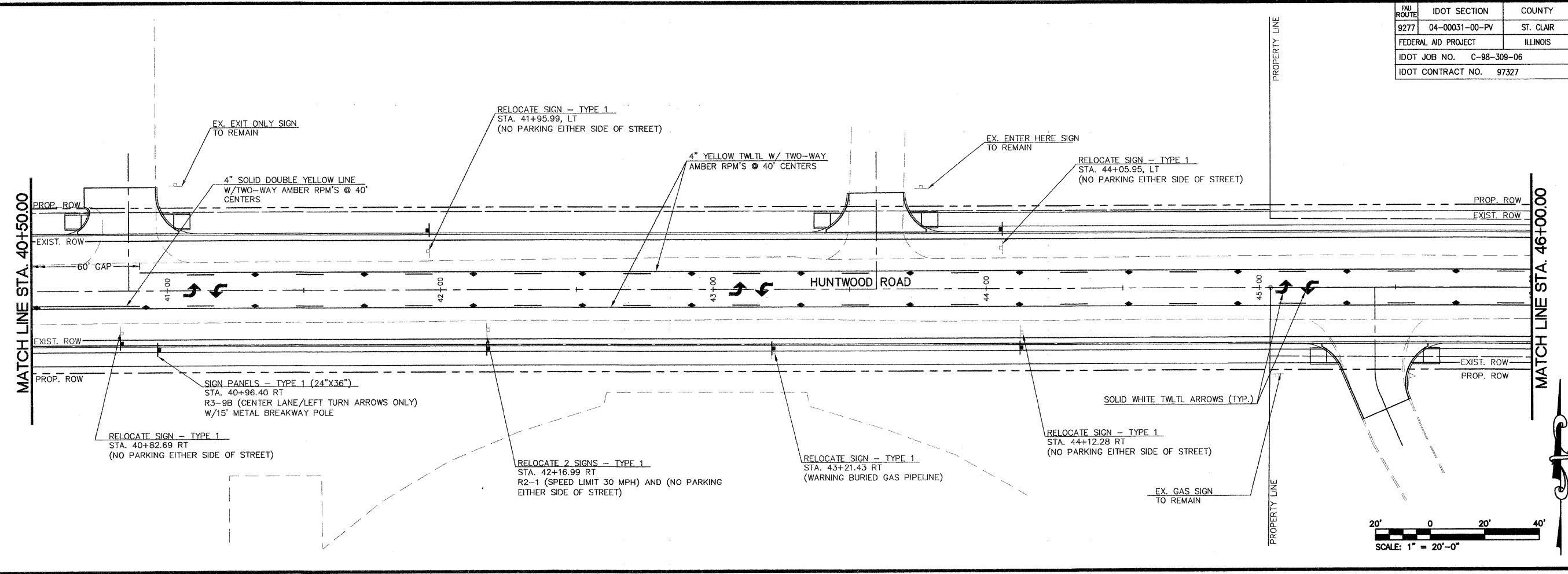


- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
10158 CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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
PAVEMENT MARKING AND SIGNAGE
STA. 40+50.00 TO STA. 51+50.00

PROJECT
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY:	MLS	SHEET	53
DESIGNED BY:	MLS	OF 104 SHEETS	
CHECKED BY:	SJK	PROJECT DESCRIPTION	Huntwood Road Reconstruction
APPROVED BY:	SJK	PROJECT NUMBER	120-030356
<input checked="" type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING			

P:\030356.dwg Roadway Plans\ROADWAY PLANS\030356 PVT.MRK.dwg 8/22/2008 5:40:20 PM CDT

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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

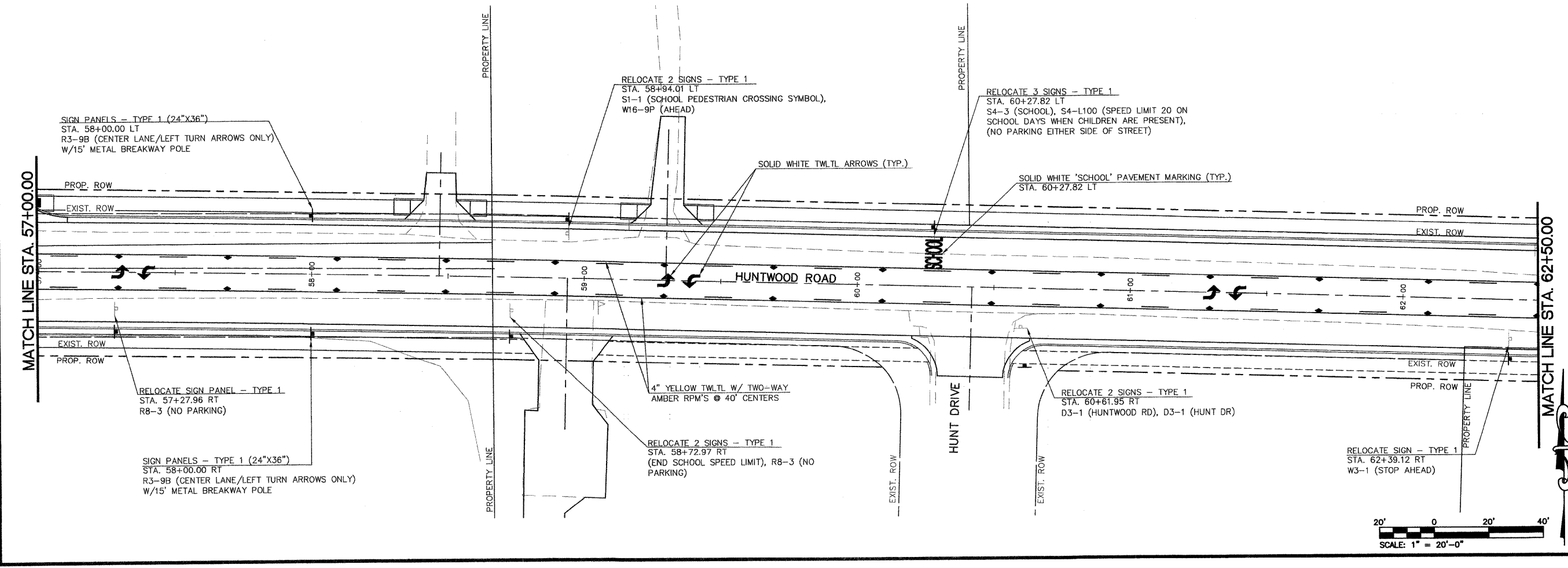
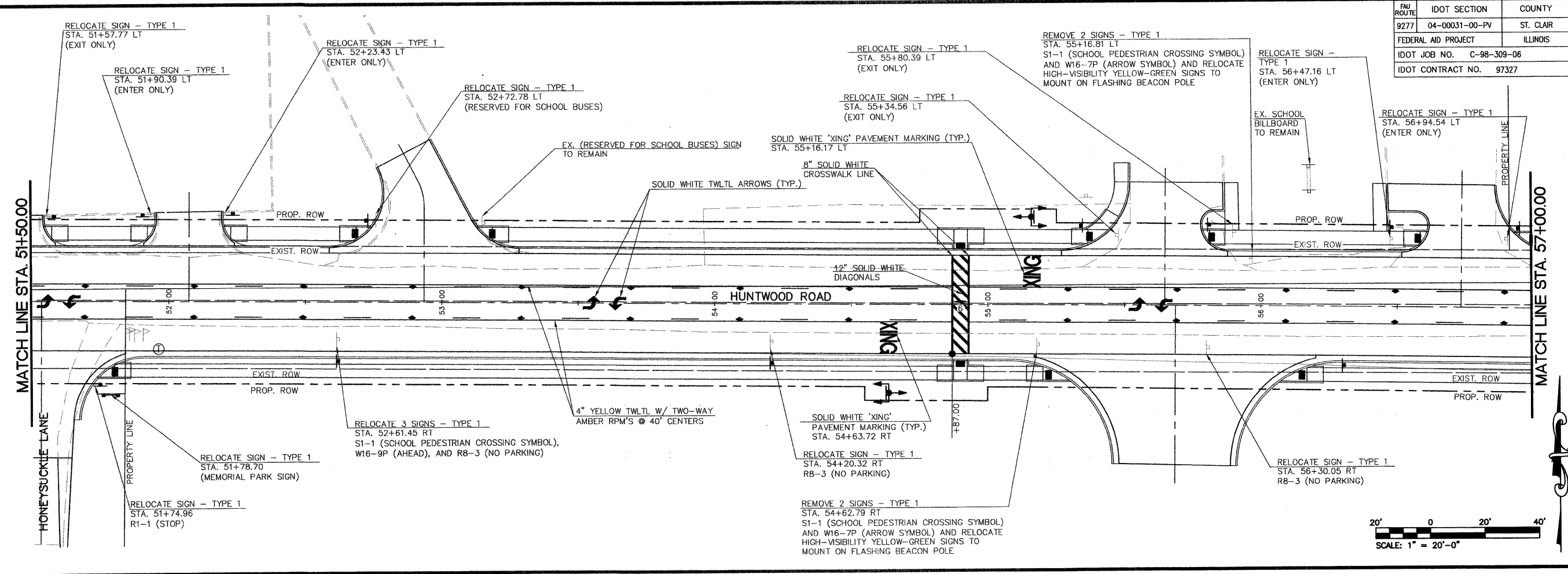


- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
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.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____
STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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
PAVEMENT MARKING AND SIGNAGE
STA. 51+50.00 TO STA. 62+50.00

PROJECT
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY:	MLS	SHEET 54 OF 104 SHEETS
DESIGNED BY:	MLS	
CHECKED BY:	SJK	PROJECT DESCRIPTION Huntwood Road ReConstruction
APPROVED BY:	SJK	
PROJECT NUMBER	20-030356	ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/>
		ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING <input type="checkbox"/>

FU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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

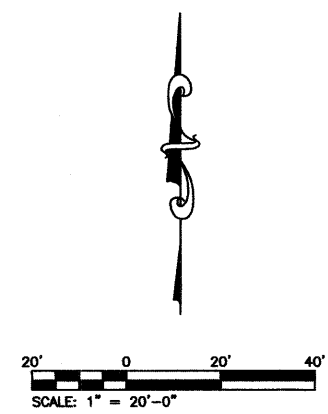
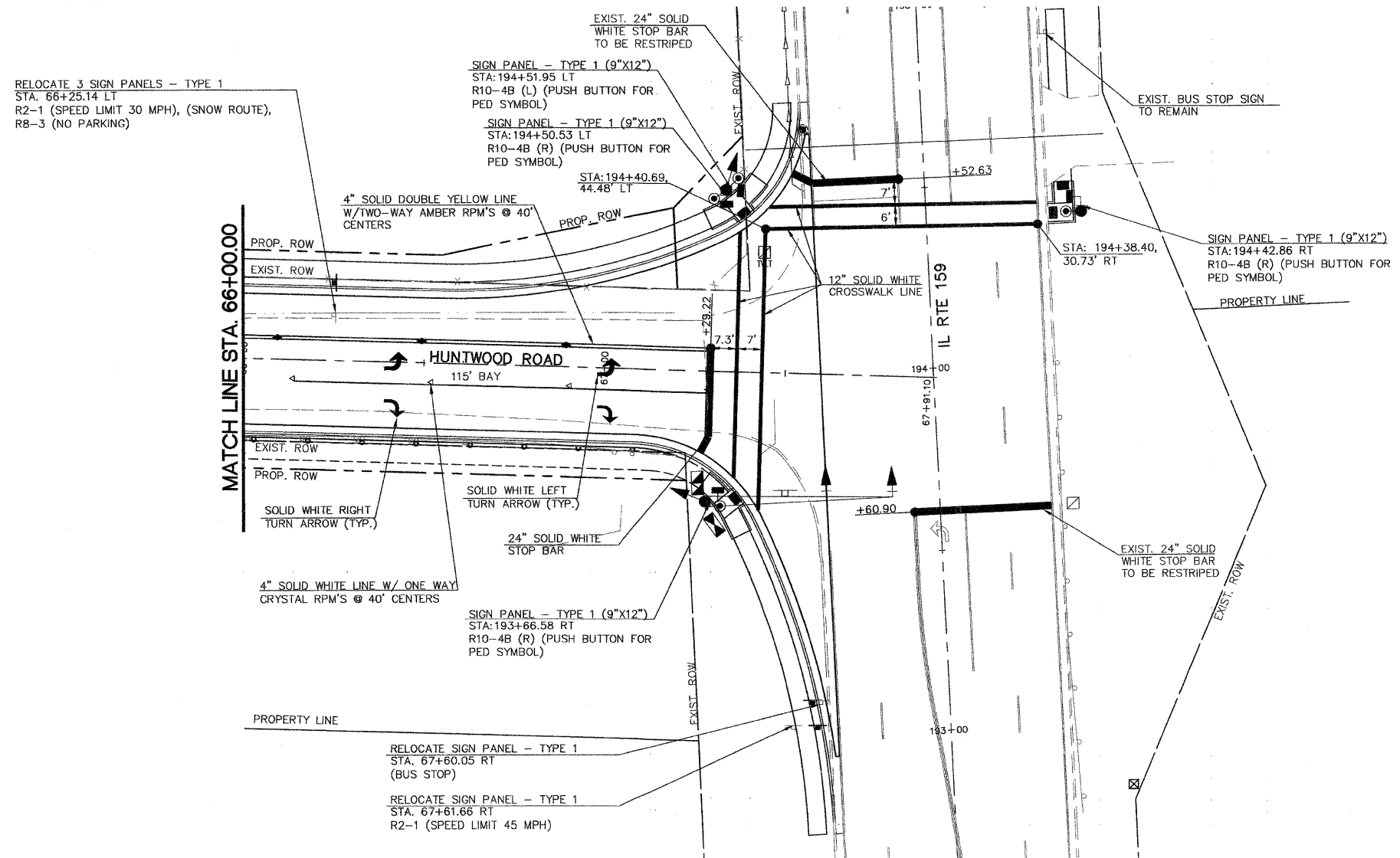
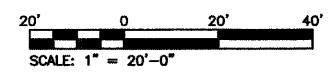
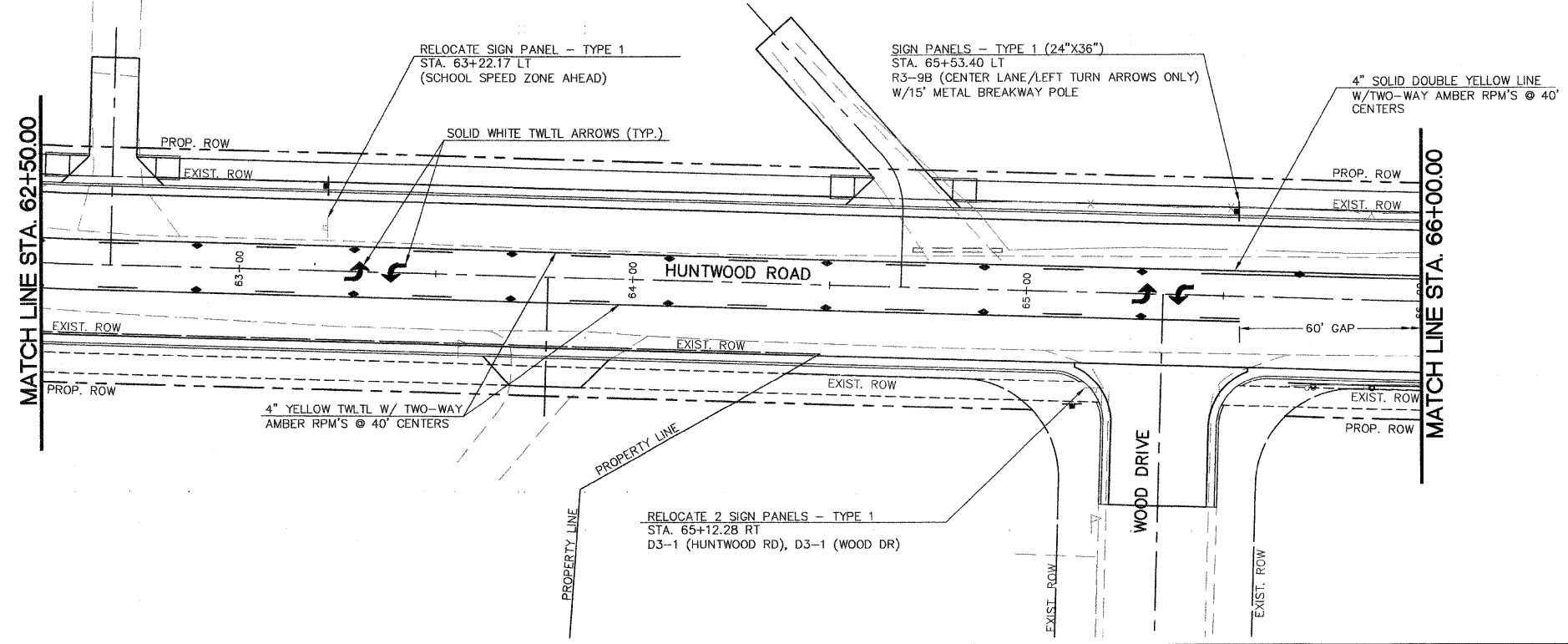


- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
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.



TITLE: PAVEMENT MARKING AND SIGNAGE
STA. 62+50.00 TO STA. 67+50.00

PROJECT: HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY: MLS	SHEET
DESIGNED BY: MLS	55
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: 120-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FED. AID PROJECT	IDOT SECTION	COUNTY
ILLINOIS	04-00031-00-PV	ST. CLAIR
IDOT JOB NO. C-98-309-06	IDOT CONTRACT NO. 97327	

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
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

Signature: _____
Expiration Date: _____
STATEMENT OF RESPONSIBILITY
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.

TITLE:
TRAFFIC SIGNALS
HUNTWOOD RD/ ILLINOIS RT 159
PLAN AND DETAILS

PROJECT:
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY: BLR	SHEET
DESIGNED BY: BLR	56
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: 120-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

LEGEND

- ⊙ EXISTING PEDESTRIAN PUSH BUTTON
- ⊕ PROPOSED / RELOCATED PEDESTRIAN PUSH BUTTON
- ⊖ EXISTING PEDESTRIAN SIGNAL HEAD
- ⊗ PROPOSED PEDESTRIAN SIGNAL HEAD
- ⊘ EXISTING HANDHOLE
- ⊙ PROPOSED HANDHOLE
- ⊚ EXISTING DOUBLE HANDHOLE
- ⊛ PROPOSED DOUBLE HANDHOLE
- ⊜ EXISTING SERVICE INSTALLATION TO BE REMOVED
- ⊝ PROPOSED SERVICE INSTALLATION
- ⊞ EXISTING EVPS DUAL CHANNEL DETECTOR
- ⊟ EVPS DUAL CHANNEL DETECTOR, RELOCATED
- ⊠ EXISTING EVPS SINGLE CHANNEL DETECTOR
- ⊡ EVPS SIGNAL CHANNEL DETECTOR, RELOCATED
- ⊢ EXISTING EVPS CONFIRMATION BEACON
- ⊣ EVPS CONFIRMATION BEACON, RELOCATED
- ⊤ EXISTING SIGNAL HEAD BRACKET MOUNTED
- ⊥ PROPOSED SIGNAL HEAD BRACKET MOUNTED
- ⊦ EXISTING SIGNAL HEAD WITH BACKPLATE, MAST ARM MOUNTED
- ⊧ PROPOSED SIGNAL HEAD WITH BACKPLATE, MAST ARM MOUNTED
- ⊨ EXISTING DETECTOR LOOP TO REMAIN IN PLACE
- ⊩ PROPOSED DETECTOR LOOP
- ⊪ EXISTING CONTROLLER
- ⊫ RELOCATED CONTROLLER
- ⊬ PROPOSED PVC CONDUIT IN TRENCH, SIZE SPECIFIED

MAST ARM SCHEDULE

QUADRANT	ARM LENGTH	FOUNDATION DIAMETER	FOUNDATION DEPTH
SW	50'	36"	*20'

*ASSUMED DEPTH. SHOULD BE VERIFIED BY ENGINEER WHEN SOIL BORINGS ARE SUBMITTED.

STANDARDS

720001	877001
805001	878001
814001	880006
814006	886001
873001	886006
720016	

EXISTING SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↶	↷				→		↓
CONCURRENT MOVEMENT PERMITTED	6	6	NOT USED	NOT USED	NOT USED	1 OR 2	NOT USED	NONE

PROPOSED SEQUENCE OF OPERATION

PHASE	1	2	3	4	5	6	7	8
MOVEMENT	↶	↷	↶			→		↓
CONCURRENT MOVEMENT PERMITTED	6	6	NONE	NOT USED	NOT USED	1 OR 2	NOT USED	NONE

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR ILLINOIS ROUTE 159 AND HUNTWOOD ROAD

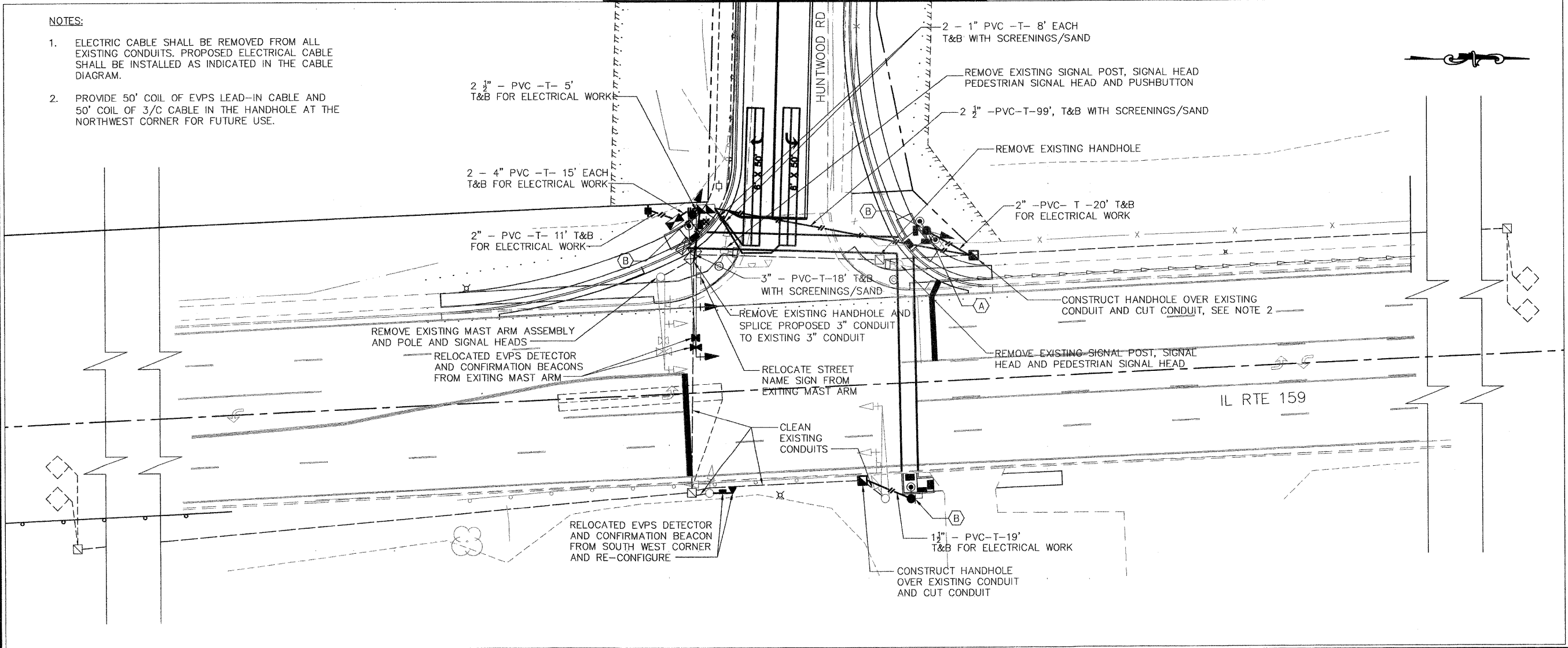
LOOP	PHASE (I)	LOOP SIZE (FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
EB LEFT TURN	8	6'X50' (Q)	3-6-3	798.5	1.88
EB RIGHT TURN	8	6'X50' (Q)	3-6-3	795.0	1.80

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

MATCH LINE STA. 66+50.00

NOTES:

- ELECTRIC CABLE SHALL BE REMOVED FROM ALL EXISTING CONDUITS. PROPOSED ELECTRICAL CABLE SHALL BE INSTALLED AS INDICATED IN THE CABLE DIAGRAM.
- PROVIDE 50' COIL OF EVPS LEAD-IN CABLE AND 50' COIL OF 3/C CABLE IN THE HANDHOLE AT THE NORTHWEST CORNER FOR FUTURE USE.



FBI ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
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.

TITLE: TRAFFIC SIGNALS
HUNTWOOD RD/ ILLINOIS RT 159
CABLE DIAGRAM

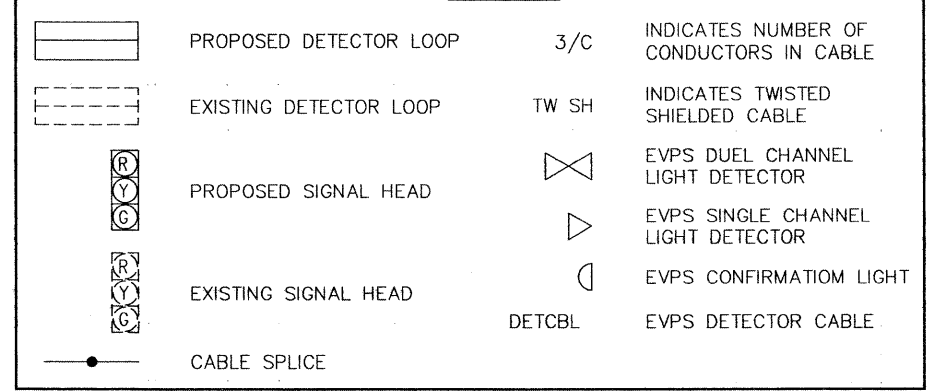
PROJECT: HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY: BLR	SHEET
DESIGNED BY: BLR	57
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	Huntwood Road ReConstruction

ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR RECORD DRAWING

LEGEND



NOTES

- TRAFFIC SIGNALS SHALL BE SHUT DOWN AND ALL TRAFFIC SIGNAL WORK SHALL BE COMPLETED DURING THE HUNTWOOD ROAD CLOSURE PERIOD. BOTH EXISTING AND NEW VEHICULAR AND PEDESTRIAN SIGNAL FACES SHALL BE HOODED DURING THE SHUT DOWN PERIOD.
- ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE 12" L.E.D. SECTIONS. ALL MOUNTING HARDWARE, SIGNAL POSTS, AND BASES SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
- BACKPLATES SHALL BE ABS PLASTIC.
- THE LOCATION OF THE MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE FACE OF THE CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE. ALL MAST ARMS AND POLES SHALL BE GALVANIZED.
- ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTORS.
- THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.
- DETECTOR LOOP LEAD-IN SPLICES SHALL BE MADE IN A MANHOLE PER ARTICLE 873.03 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STANDARD DRAWING 886001. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD. ROSIN-CORE SOLDER SHALL BE USED.
- CALL DELAY SHALL NOT FUNCTION WHEN THE RELATED PHASES ARE IN THE GREEN MODE.
- ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03(B)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
- ALL INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE. IF A TIME SETTING IS PROGRAMMED, THEY SHALL BE RACK MOUNTED.
- CABLE MARKING TAPE SHALL BE INCLUDED WITH THE PAY ITEM "TRENCH AND BACKFILL FOR ELECTRICAL WORK" AND INSTALLED PER ARTICLE 815.03(D) OF THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION.
- A 1/4" NYLON PULL ROPE SHALL BE FURNISHED AND INSTALLED IN ALL SIGNAL CONDUITS. THIS WORK SHALL BE INCLUDED WITH THE CONDUIT PAY ITEMS.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED SHALL REMAIN THE PROPERTY OF IDOT AND SHALL BE DELIVERED TO THEIR MAINTENANCE FACILITY LOCATED AT 9601 ST. CLAIR AVENUE, FAIRVIEW HEIGHTS.
- QUADRUPOLE DETECTOR LOOPS SHALL HAVE 3 TURNS WITH SIX WIRES IN THE CENTER SLOT.

TRAFFIC SIGNAL CABLE DIAGRAM
ILLINOIS ROUTE 159 AND HUNTWOOD ROAD

TO ELECTRIC UTILITY SERVICE

2 - NO. 6 CONDUCTORS
& NO. 8 GROUND

F:\030356\030356\Roadway\Plans\Roadway\PLANS\030356_SGNL.dwg 6/26/2008 2:35:08 PM CDT

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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

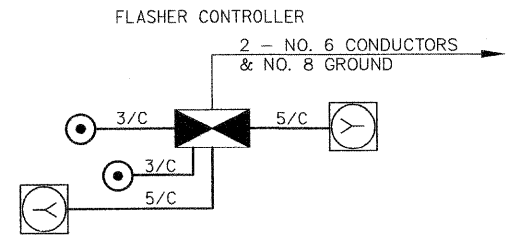


- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

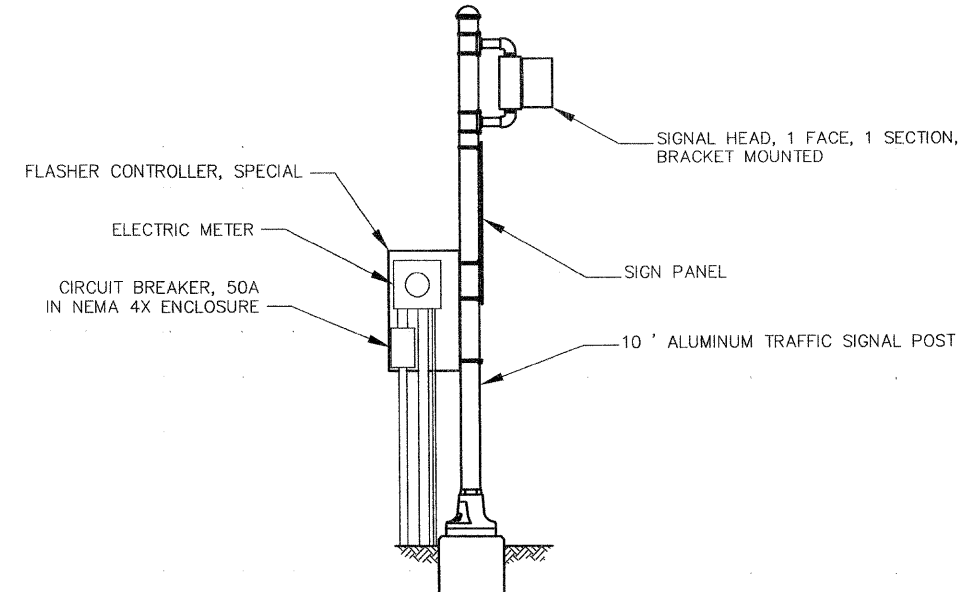
PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
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.

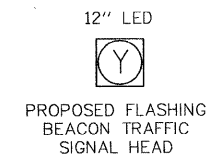


CABLE DIAGRAM



POST MOUNTED FLASHING BEACON WITH FLASHER CONTROLLER SPECIAL DETAIL

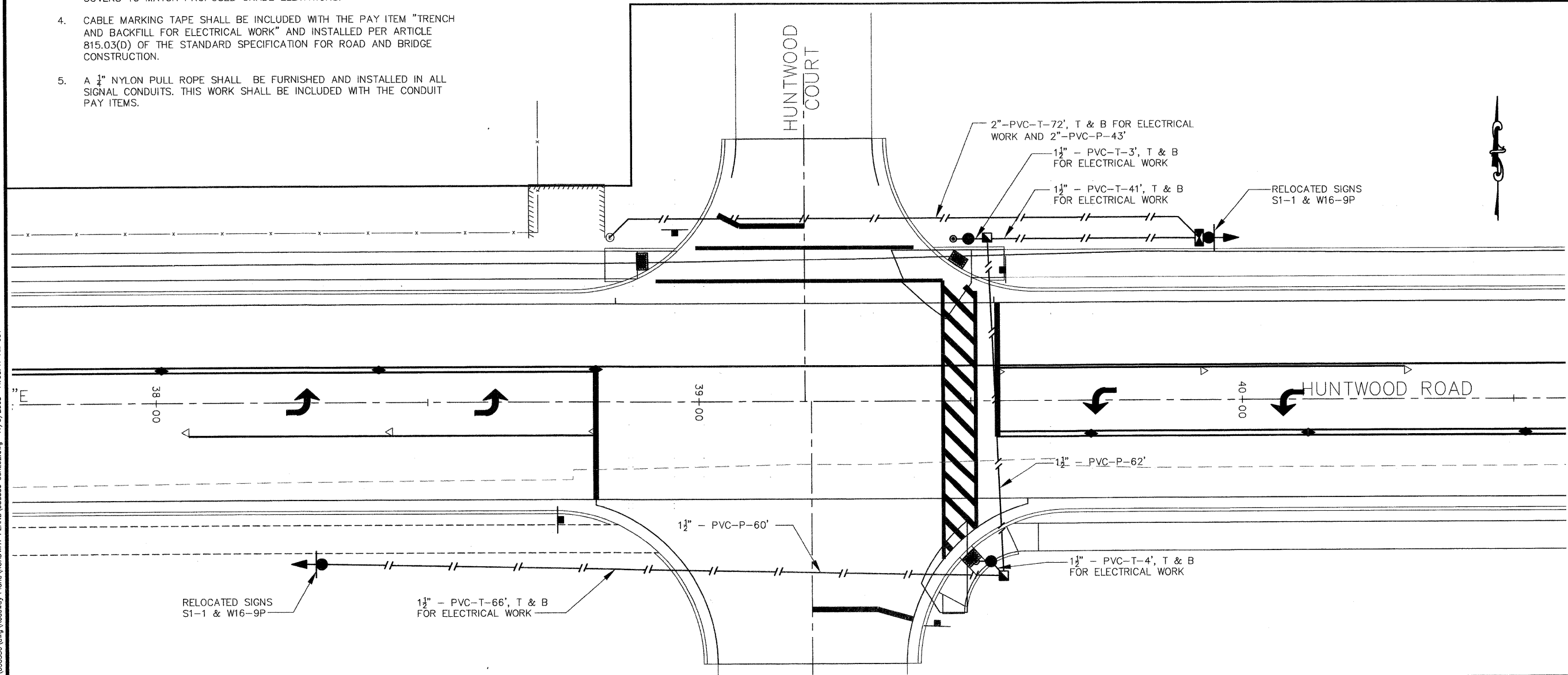
- LEGEND**
- PROPOSED FLASHING BEACON ON 10' POST (SEE DETAIL)
 - PROPOSED FLASHER CONTROLLER, SPECIAL (SEE DETAIL)
 - PROPOSED PEDESTRIAN PUSHBUTTON POST
 - PROPOSED HANDHOLE
 - PROPOSED PVC CONDUIT IN TRENCH "T" OR PUSHED "P", SIZE SPECIFIED



STANDARDS

880006
876001
878001
873001

1. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE 12" L.E.D. SECTIONS. ALL MOUNTING HARDWARE, SIGNAL POSTS, AND BASES SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
2. ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTORS.
3. ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03(B)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
4. CABLE MARKING TAPE SHALL BE INCLUDED WITH THE PAY ITEM "TRENCH AND BACKFILL FOR ELECTRICAL WORK" AND INSTALLED PER ARTICLE 815.03(D) OF THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION.
5. A 1/4" NYLON PULL ROPE SHALL BE FURNISHED AND INSTALLED IN ALL SIGNAL CONDUITS. THIS WORK SHALL BE INCLUDED WITH THE CONDUIT PAY ITEMS.



TITLE:
FLASHING BEACONS
MIDDLE SCHOOL CROSSWALK
PLAN AND DETAILS

PROJECT:
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV	DATE	DESCRIPTION

DRAWN BY: DRB	SHEET
DESIGNED BY: DRB	58
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: 120-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FHW ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



CORPORATE OFFICE
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com

EDWARDSVILLE OFFICE
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com

ST. LOUIS OFFICE
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com

WATERLOO OFFICE
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be submitted 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: **FLASHING BEACONS
ELEMENTARY SCHOOL CROSSWALK
PLAN AND DETAILS**

PROJECT: **HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY**

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: DRB	SHEET
DESIGNED BY: DRB	59
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: 20-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

LEGEND

- PROPOSED FLASHING BEACON ON 12' POST (SEE DETAIL)
- PROPOSED FLASHER CONTROLLER, SPECIAL (SEE DETAIL)
- PROPOSED PEDESTRIAN PUSHBUTTON POST
- PROPOSED HANDHOLE
- PROPOSED PVC CONDUIT IN TRENCH "T" OR PUSHED "P", SIZE SPECIFIED

12" LED

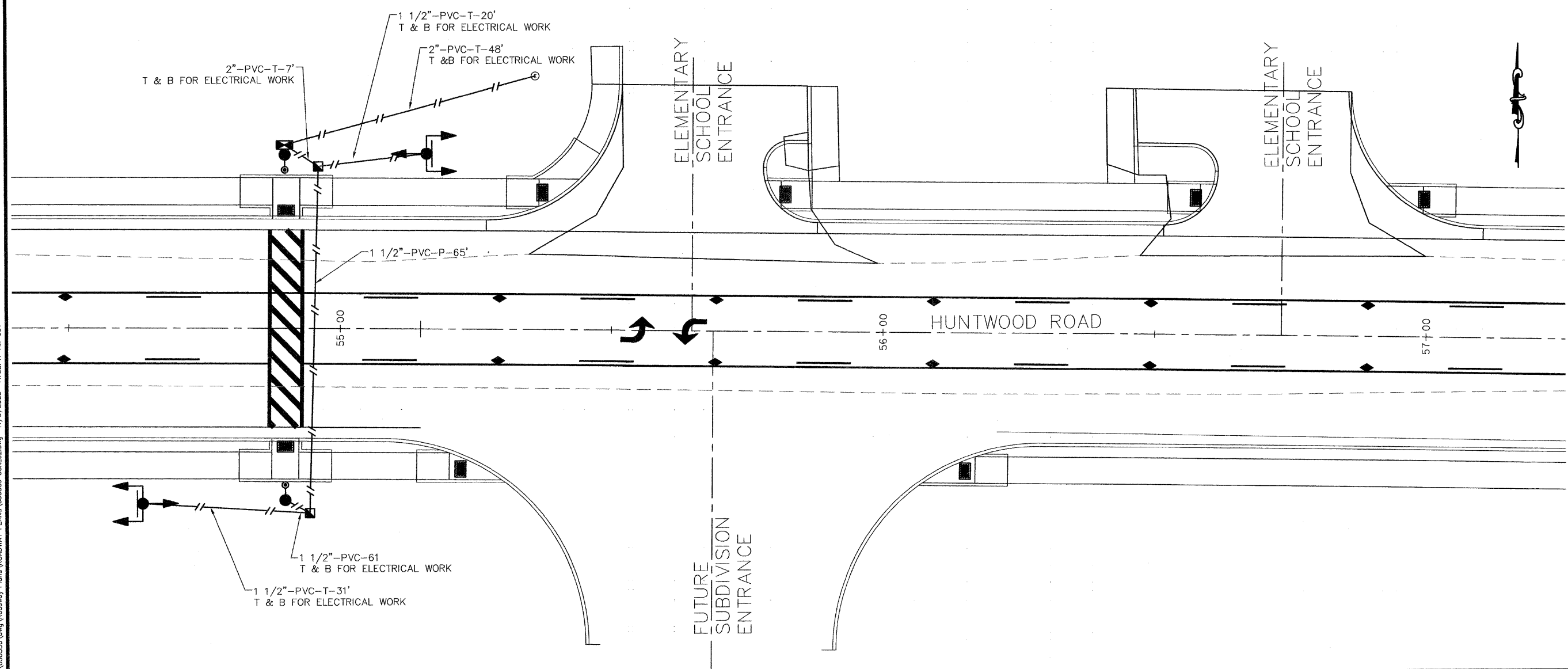


PROPOSED FLASHING BEACON TRAFFIC SIGNAL HEAD

STANDARDS

880006
876001
878001
873001

- ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE 12" L.E.D. SECTIONS. ALL MOUNTING HARDWARE, SIGNAL POSTS, AND BASES SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS, AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.
- ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTORS.
- ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03(B)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.
- CABLE MARKING TAPE SHALL BE INCLUDED WITH THE PAY ITEM "TRENCH AND BACKFILL FOR ELECTRICAL WORK" AND INSTALLED PER ARTICLE 815.03(D) OF THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION.
- A 1/4" NYLON PULL ROPE SHALL BE FURNISHED AND INSTALLED IN ALL SIGNAL CONDUITS. THIS WORK SHALL BE INCLUDED WITH THE CONDUIT PAY ITEMS.
- THE SIGNAL HEADS ABOVE AND BELOW THE SIGN SHALL BE CONNECTED TO OPPOSITE FLASHER CIRCUITS TO PROVIDE A WIG-WAG DISPLAY.



P:\030356\dwg\roadway Plans\ROADWAY PLANS\030356 SCH.L02.dwg 11/6/2008 11:38:47 AM CST

FBI ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



CORPORATE OFFICE
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com

EDWARDSVILLE OFFICE
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com

ST. LOUIS OFFICE
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com

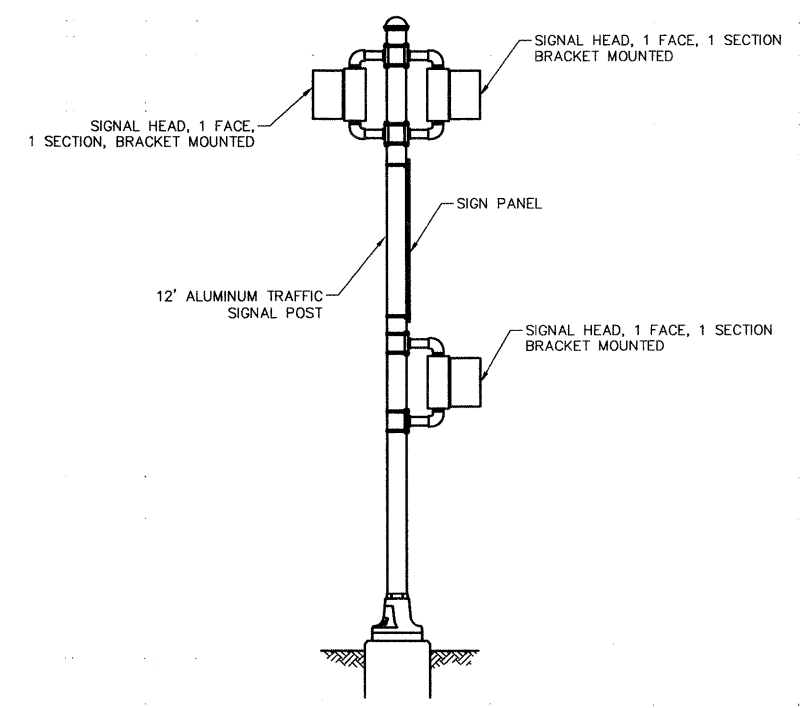
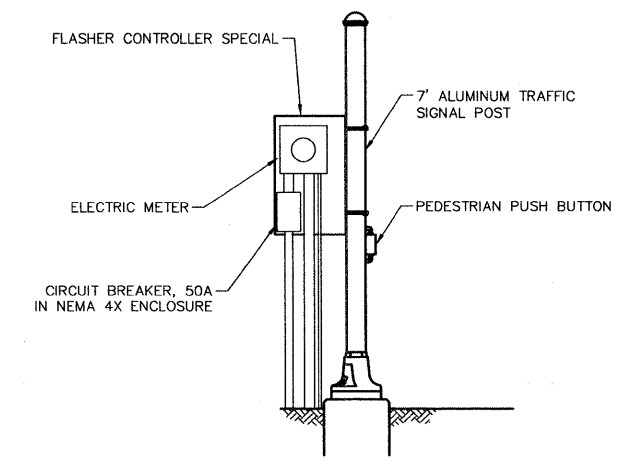
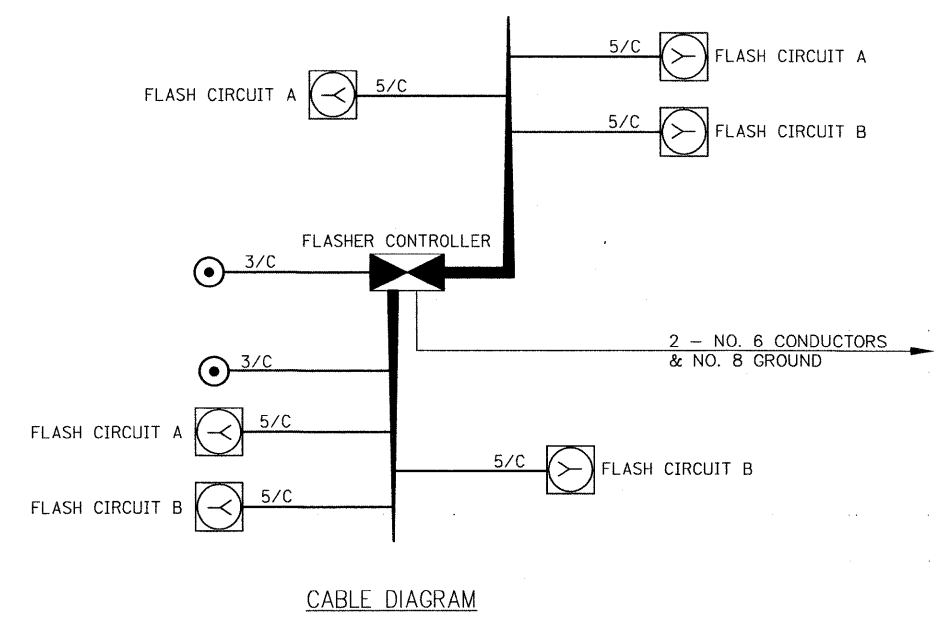
WATERLOO OFFICE
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	046-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated 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
FLASHING BEACONS
ELEMENTARY SCHOOL CROSSWALK
CABLE DIAGRAM AND DETAILS

PROJECT
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: DRB	SHEET
DESIGNED BY: DRB	60
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FBI ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



CORPORATE OFFICE
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com

EDWARDSVILLE OFFICE
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com

ST. LOUIS OFFICE
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com

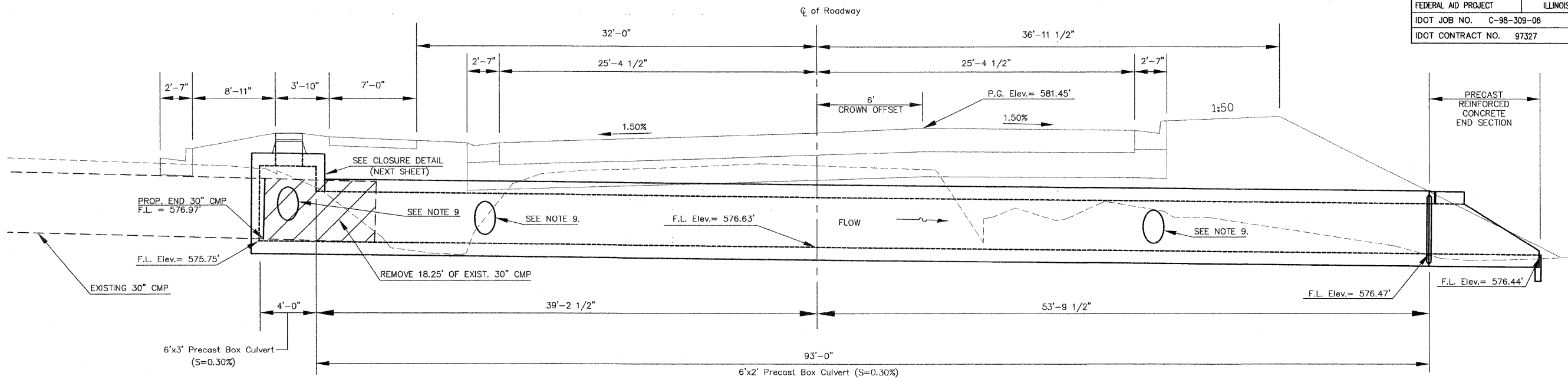
WATERLOO OFFICE
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

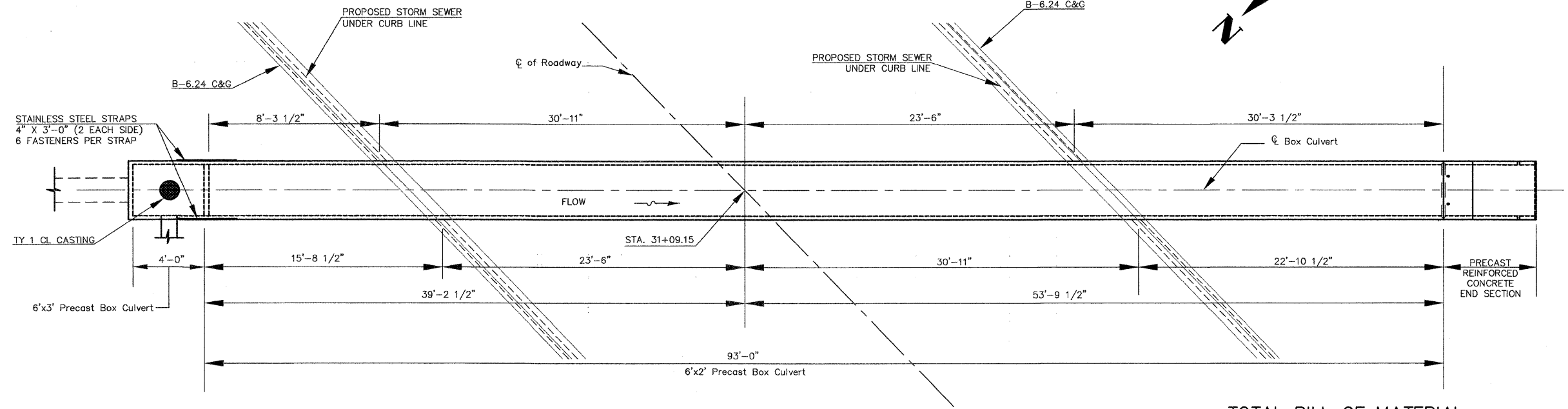
STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized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



LONGITUDINAL SECTION

(Looking East)

NOTE: VERTICAL SCALE DOUBLED AND FUTURE ROAD GEOMETRY SHOWN FOR CLARITY.
(SEE NEXT SHEET FOR NOTES AND DETAILS)



PLAN

LOADING HS20-44

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications
for Highway Bridges

**DESIGN STRESSES
PRECAST UNITS**

f_c = 5 ksi
f_y = 65 ksi (welded wire fabric)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Precast Concrete Box Culverts 6 ft. x 2 ft.	Ft.	93
Precast Concrete Box Culverts 6 ft. x 3 ft.	Ft.	4
Box Culvert End Sections (6 ft x 2 ft.)	Each	1
Type 1 Closed Lid	Each	1

**BOX CULVERT
DETAILS**

PROJECT:
HUNTHOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	61
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	Hunthood Road ReConstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

GENERAL NOTES

- All dimensions are in feet except as noted. All elevations are in feet.
- Exposed edges shall have a 3/4" chamfer unless otherwise noted.
- Provide a light broom finish to the floor of the Precast Concrete Box Culvert and Precast Box Culvert End Sections. Cost included in cost of Box Culverts and End Sections.
- The Cast-in-Place toewall will not be paid for separately, but shall be included in the cost for "Precast Box Culvert End Sections". Approximately 2.0 cu. yd. of concrete will be required.
- This box culvert has an approximate fill height of 2 feet 3 inches. The Precast Concrete Box Culvert shall be designed in accordance with AASHTO M259 except that the aggregate shall conform to the requirements of Article 1003.02 and 1004.02 of the Standard Specifications with the exception of gradation.
- The contractor shall submit shop drawings and calculations for the Precast Concrete Box Culvert and Precast Box Culvert End Sections. Shop drawings and calculations shall be sealed by a Structural Engineer registered in the State of Illinois.
- Structure Excavation (Special), Porous Granular Embankment (Special), and Trench Backfill as required by specifications shall be included in the contract unit price of the Box Culverts and End Sections.
- Should unstable soils be encountered upon Structure Excavation, the ENGINEER shall determine the necessary depth of excavation required to reach stable soils.
- The box culvert shall have openings cast in the walls to allow adjacent storm sewer to flow into it. The openings shall be large enough to allow the reinforced concrete storm sewer pipe to be installed. The openings shall be centered vertically in the wall and located horizontally as shown in plan view.

FAU ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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

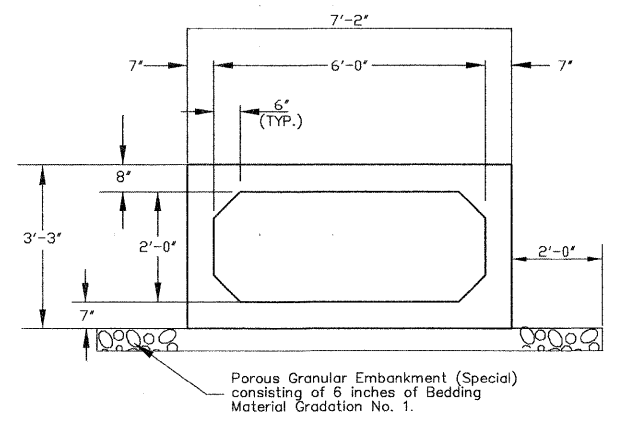


- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

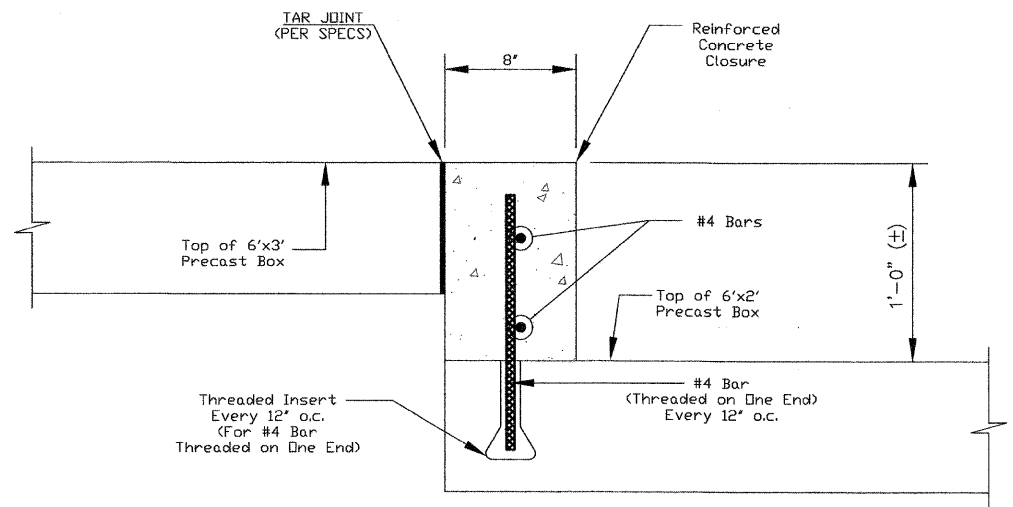
PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

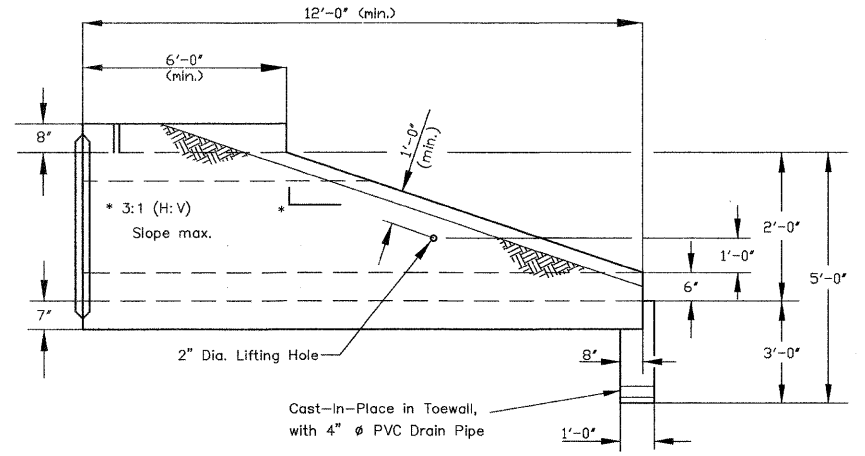
STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized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



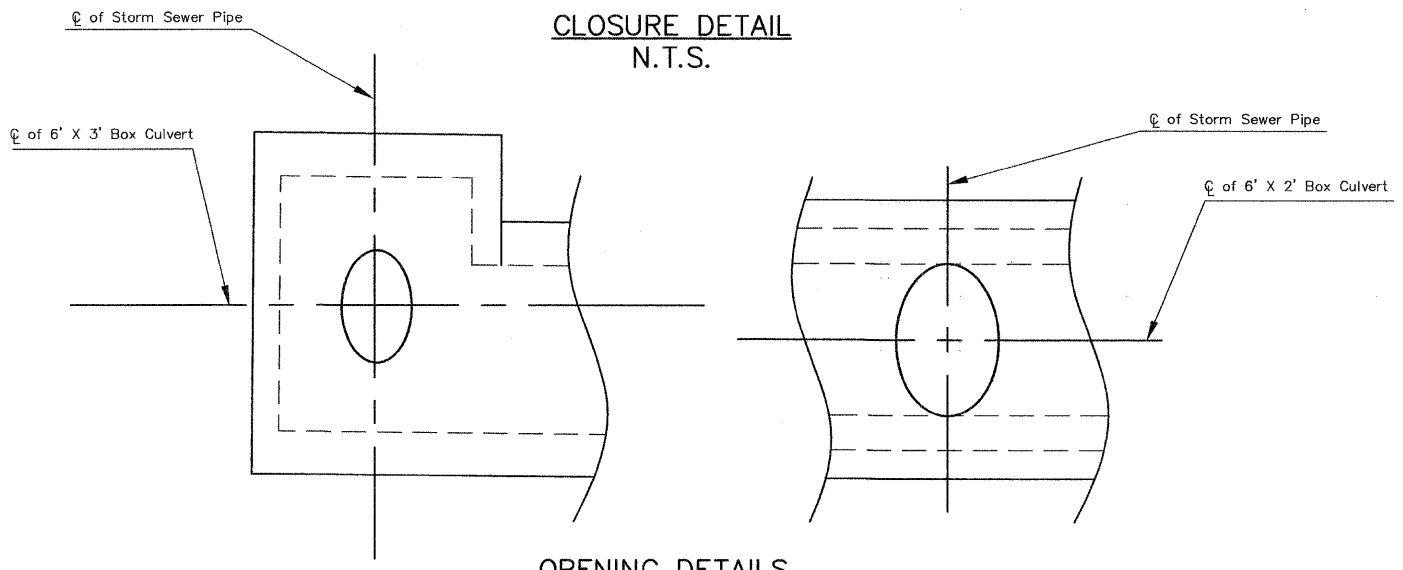
TYPICAL SECTION THRU BARREL



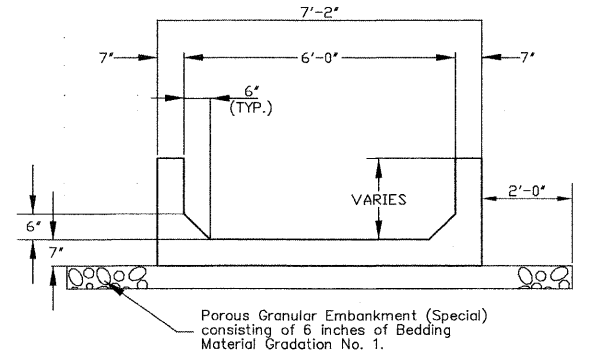
CLOSURE DETAIL
N.T.S.



END SECTION ELEVATION



OPENING DETAILS



SECTION THRU END SECTION

BOX CULVERT DETAILS

PROJECT:
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	62
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	Huntwood Road Reconstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FBI ROUTE	IDOT SECTION	COUNTY
9277	04-00031-00-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-309-06	
IDOT CONTRACT NO.	97327	

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



CORPORATE OFFICE
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com

EDWARDSVILLE OFFICE
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com

ST. LOUIS OFFICE
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com

WATERLOO OFFICE
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-065202
ILLINOIS PROF. LAND SURVEYING CORP.	046-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL
Signature: _____
Expiration Date: _____

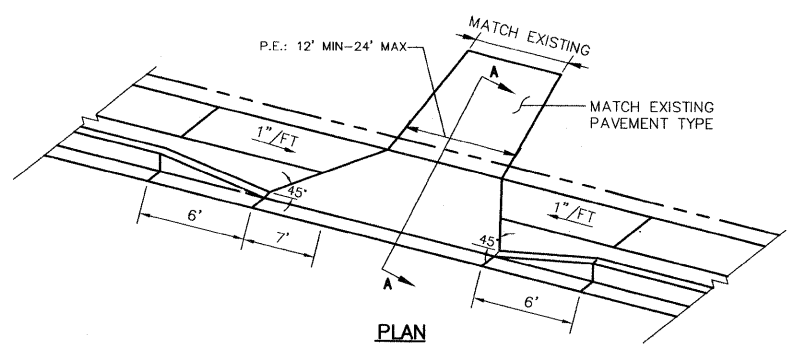
STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized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

ENTRANCE DETAILS
PROJECT: HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV	DATE	DESCRIPTION
△		
△		
△		

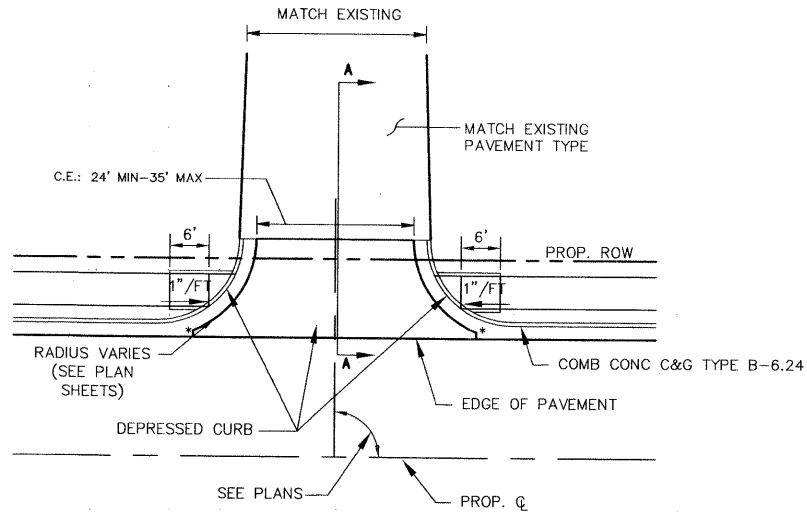
DRAWN BY: MLS	SHEET
DESIGNED BY: MLS	63
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	Huntwood Road ReConstruction
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

DETAIL OF PRIVATE ENTRANCES (7' APRON)



PLAN

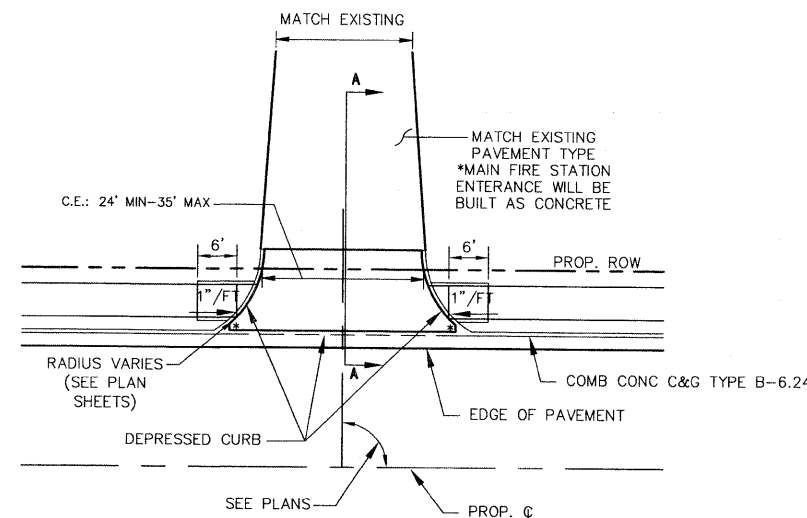
DETAIL OF COMMERCIAL ENTRANCES (VARIABLE APRON) COMB CONC C&G ALONG RADIUS



PLAN

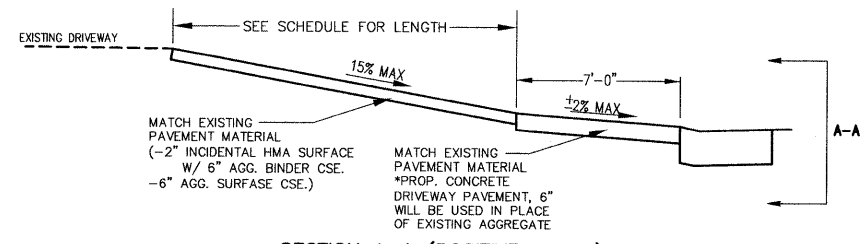
*NOTE: ENTRANCE STUBS TO BE 1'.

DETAIL OF COMMERCIAL ENTRANCES (VARIABLE APRON) CONC BARRIER CURB ALONG RADIUS/NO CURB ALONG RADIUS



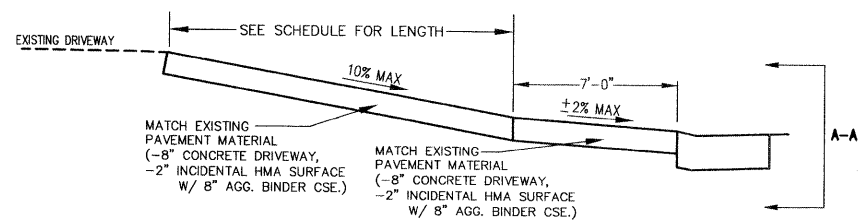
PLAN

*NOTE: ENTRANCE STUBS TO BE 1' UNLESS OTHERWISE NOTED. STA. 52+93.45, 55+64.83, AND 56+73.35 TO HAVE 2' ENTRANCE STUBS.

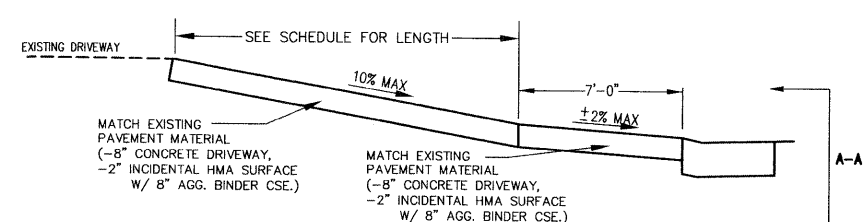


SECTION A-A (POSITIVE SLOPE)

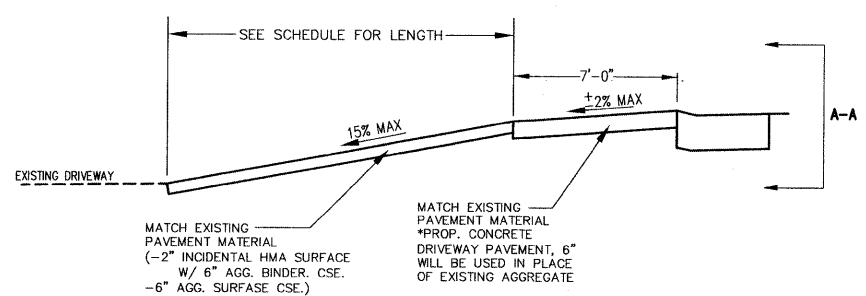
- NOTES:
1. CONCRETE DRIVEWAY PAVEMENT MUST BE PLACED EVEN WITH THE BACK OF SIDEWALK
2. ALL ENTRANCES INTERSECT THE MAINLINE AT 90°



SECTION A-A (POSITIVE SLOPE)

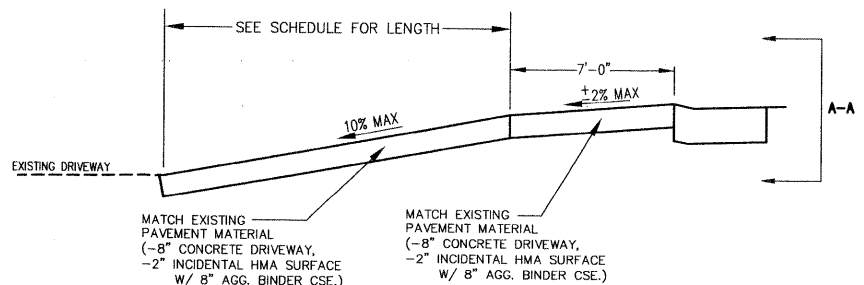


SECTION A-A (POSITIVE SLOPE)

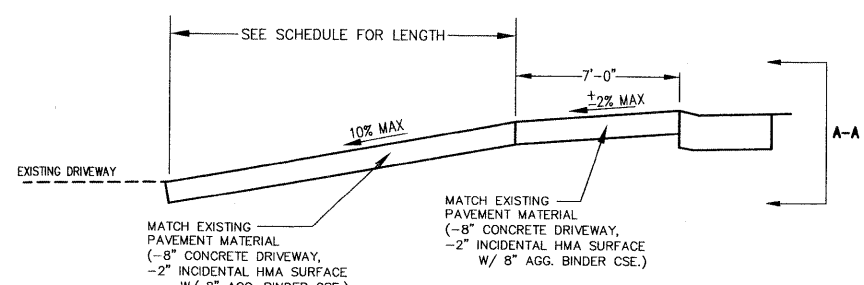


SECTION A-A (NEGATIVE SLOPE)

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

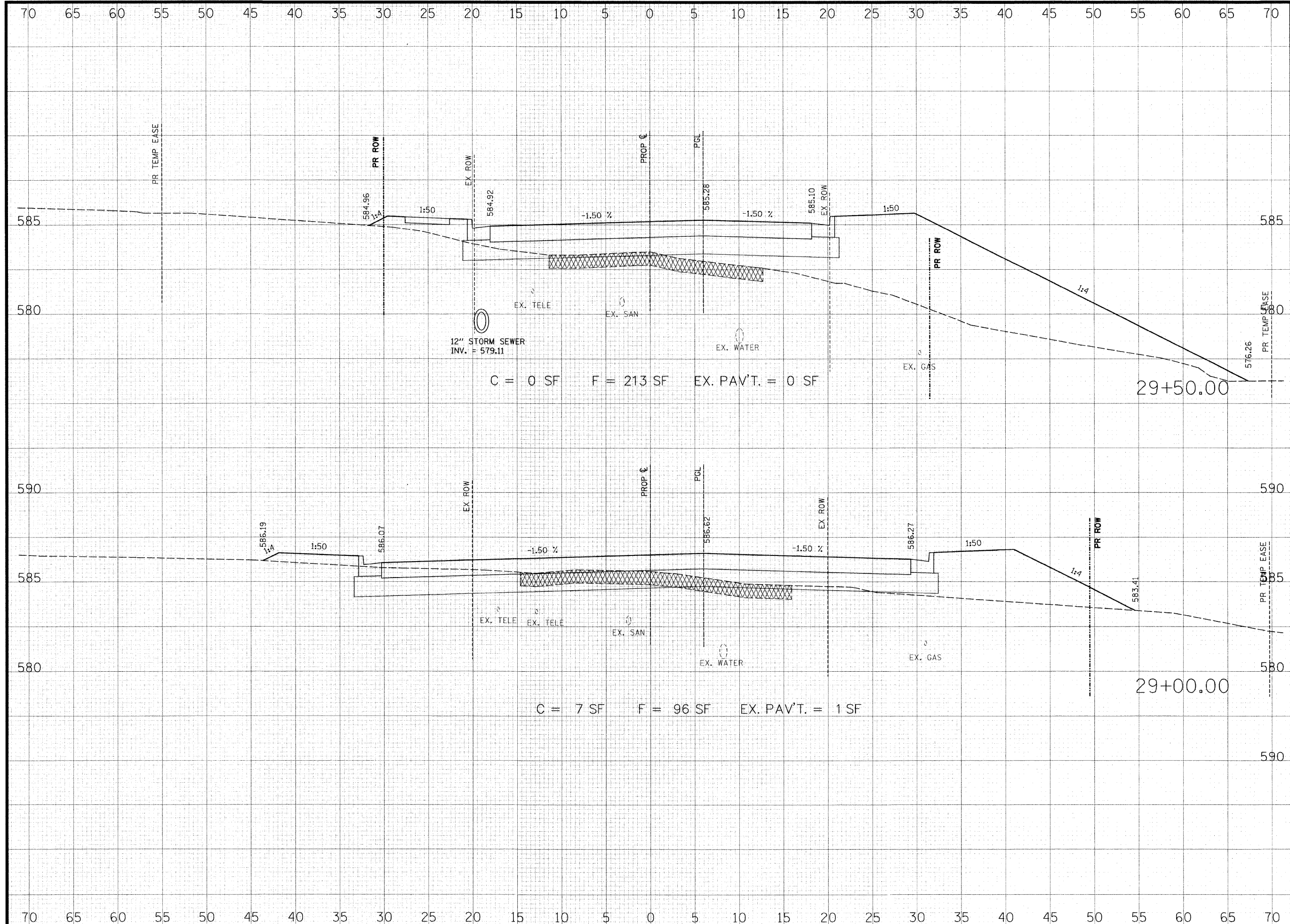


SECTION A-A (NEGATIVE SLOPE)



SECTION A-A (NEGATIVE SLOPE)

P:\030356\Draw\Roadway Plans\ROADWAY PLANS\030356 CNL-DTL.dwg 11/6/2008 11:38:42 AM CST



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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL ENGINEERING CORP.	62-03370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
 Signature Date:

I hereby confirm that the document herein to be authenticated 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:
 HUNTWOOD ROAD CROSS SECTIONS

PROJECT:
 HUNTWOOD ROAD RECONSTRUCTION
 VILLAGE OF SWANSEA
 ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

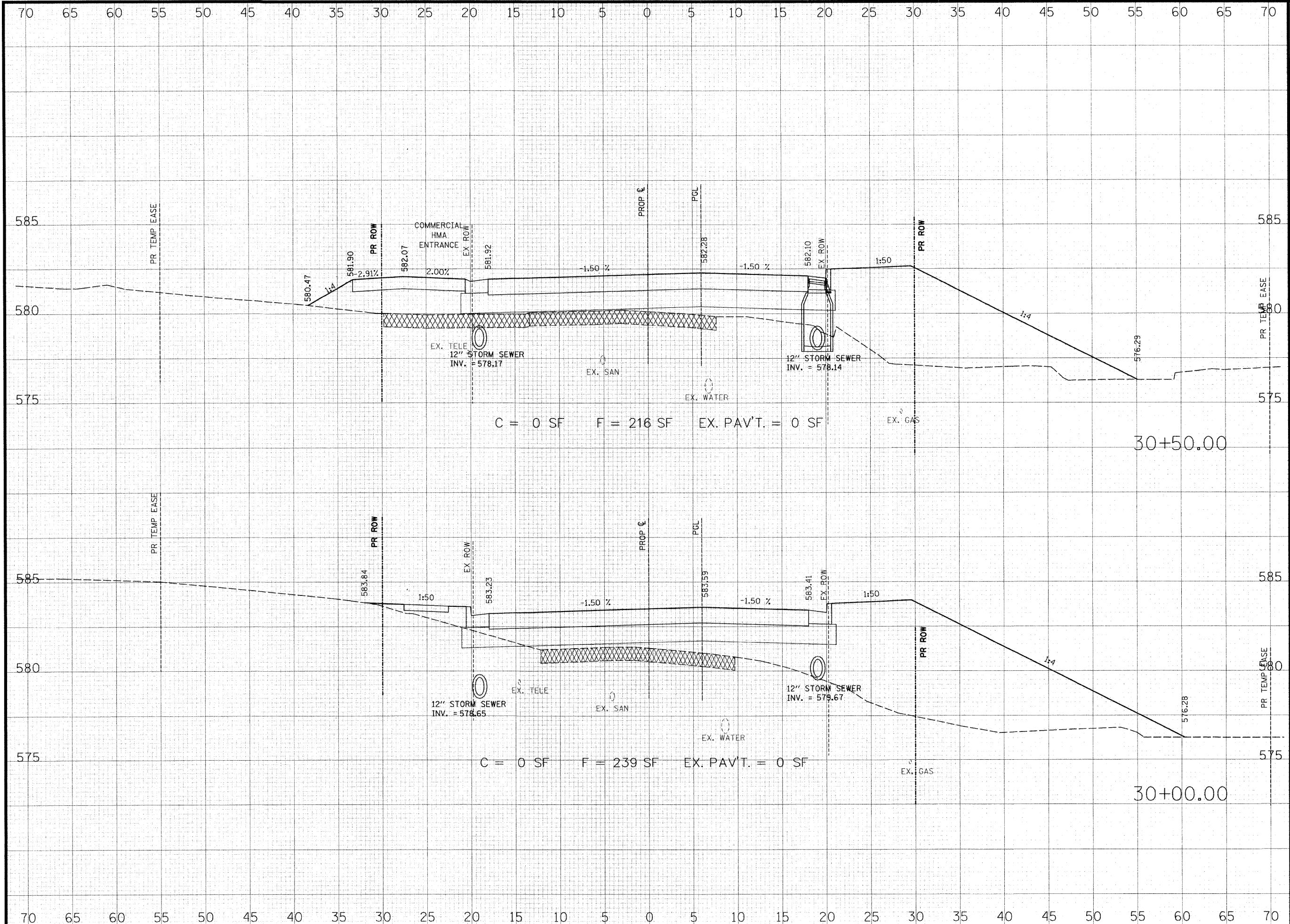
DRAWN BY: JWS
DESIGNED BY: JWS
CHECKED BY: SJK
APPROVED BY: SJK

SHEET 64 OF 104 SHEETS

PROJECT DESCRIPTION:
 HUNTWOOD ROAD RECONSTRUCTION

PROJECT NUMBER: T20-030356

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



**THOUVENOT,
WADE &
MOERCHEN, INC.**
ENGINEERS • SURVEYORS • PLANNERS



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

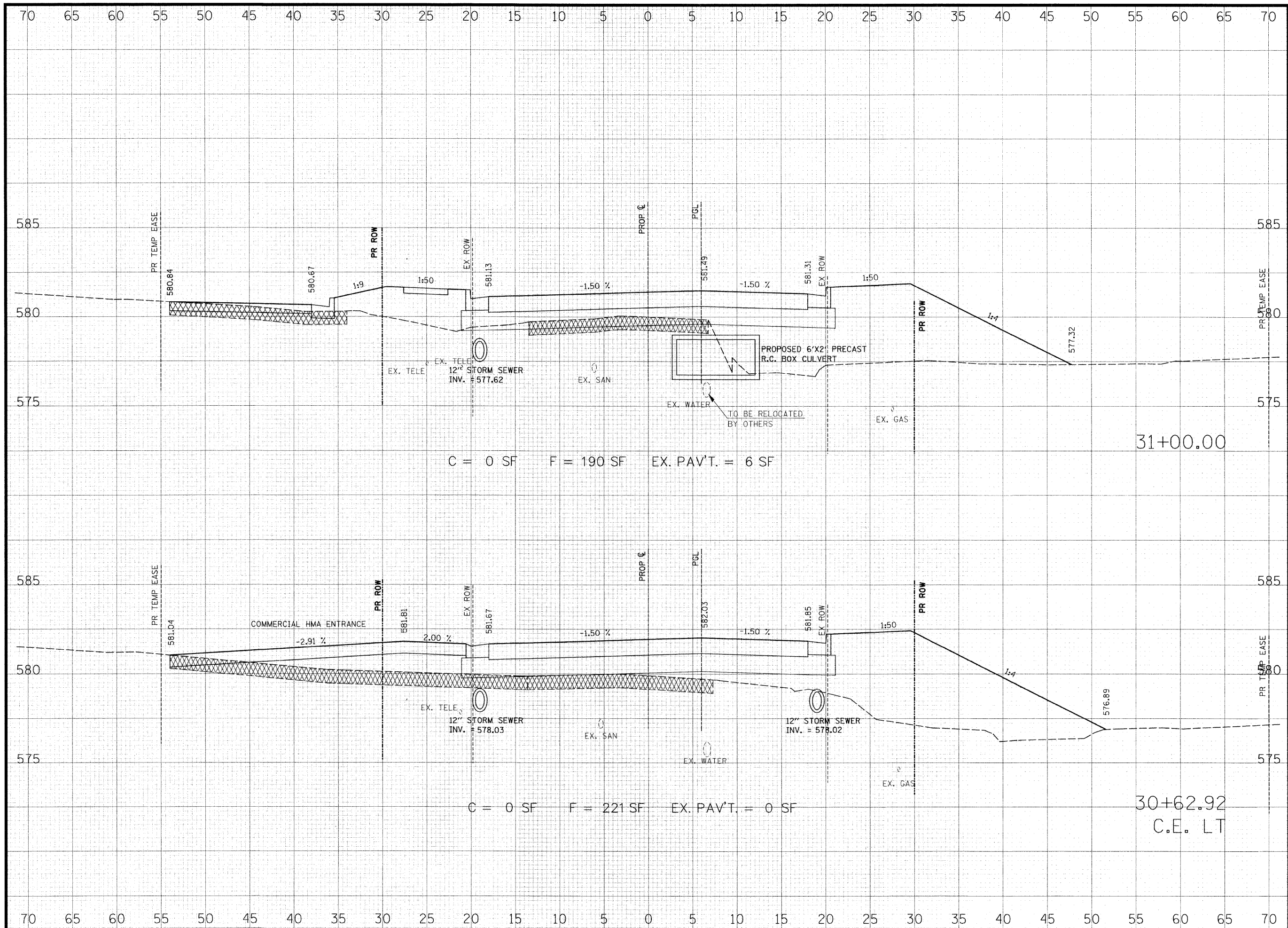
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

TITLE
HUNTWOOD ROAD
CROSS SECTIONS

PROJECT:
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	65
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	HUNTWOOD ROAD RECONSTRUCTION
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date: _____
 Signature Date: _____

I hereby confirm that the document herein to be authenticated 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.

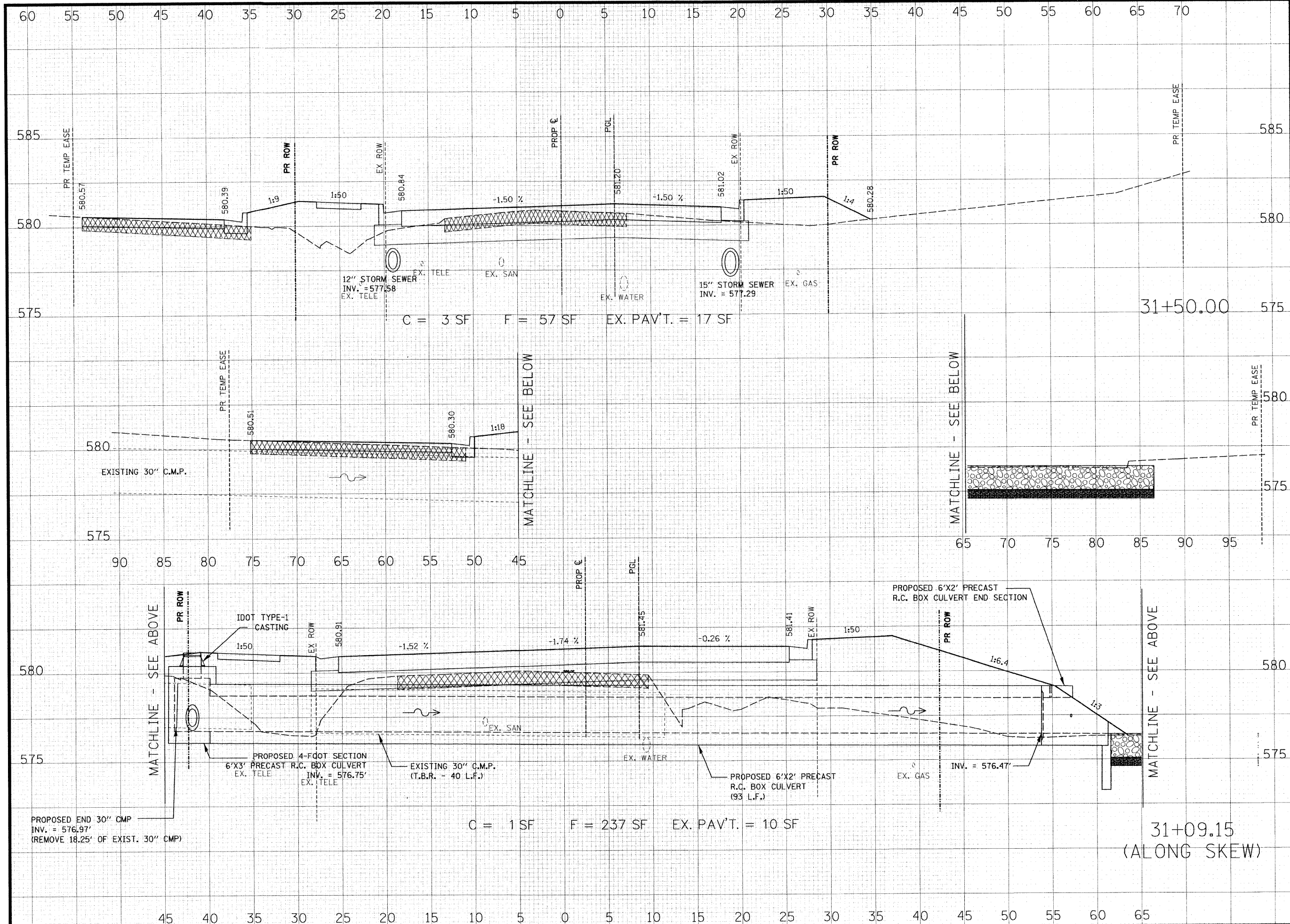
TITLE
 HUNTWOOD ROAD CROSS SECTIONS

PROJECT:
 HUNTWOOD ROAD RECONSTRUCTION
 VILLAGE OF SWANSEA
 ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	JWS	SHEET
DESIGNED BY: <td>JWS</td> <td>66</td>	JWS	66
CHECKED BY: <td>SJK</td> <td>OF 104 SHEETS</td>	SJK	OF 104 SHEETS
APPROVED BY: <td>SJK</td> <td>PROJECT DESCRIPTION</td>	SJK	PROJECT DESCRIPTION
PROJECT NUMBER: <td>T20-030356</td> <td>HUNTWOOD ROAD RECONSTRUCTION</td>	T20-030356	HUNTWOOD ROAD RECONSTRUCTION

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



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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-033370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

RENEWAL DATE: _____
SIGNATURE DATE: _____

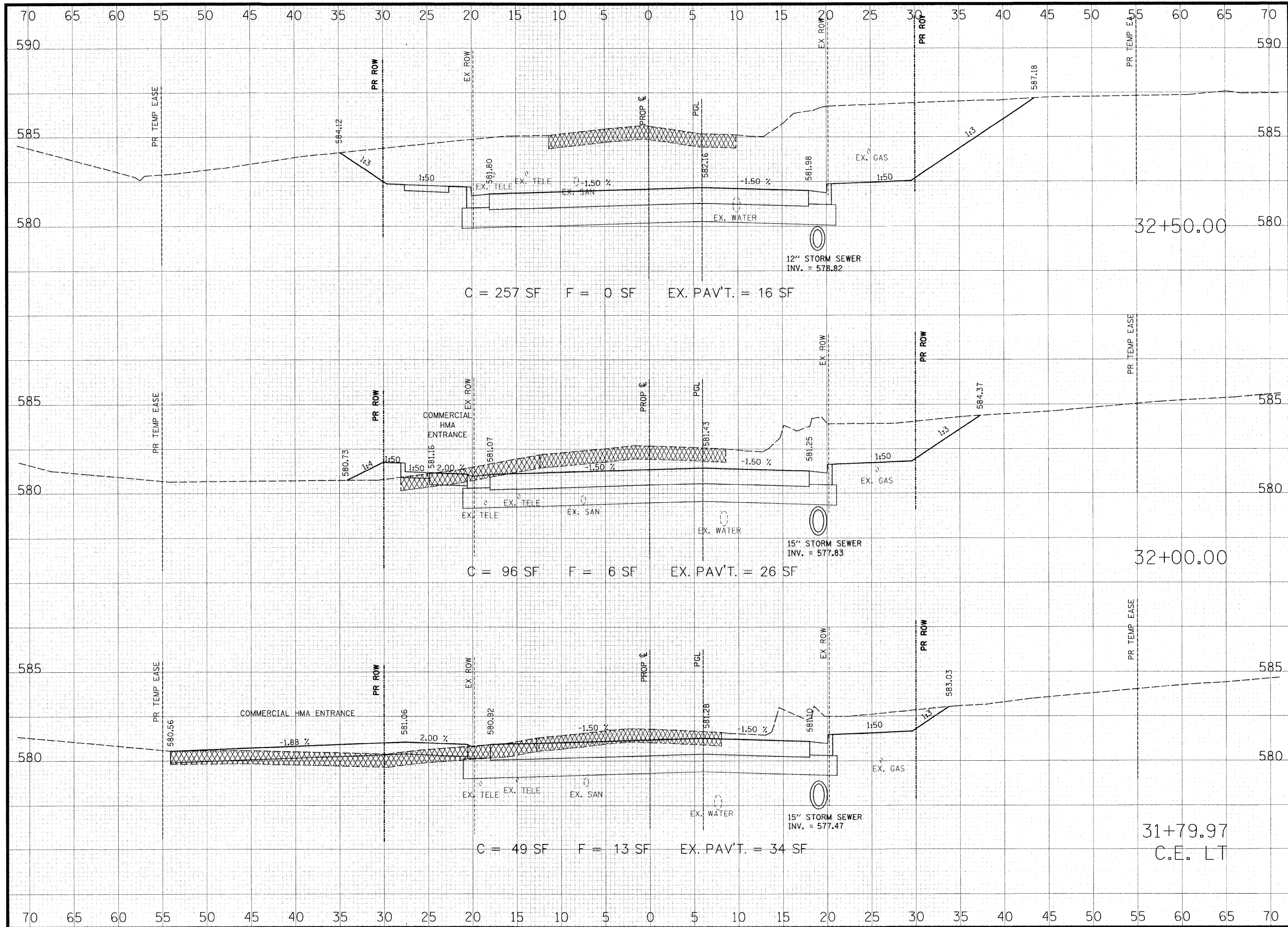
I hereby confirm that the document herein to be authorized by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the architectural,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

HUNTWOOD ROAD CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET: 67
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION: HUNTWOOD ROAD RECONSTRUCTION
APPROVED BY: SJK	PROJECT NUMBER: T20-030356
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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

TWM

CORPORATE OFFICE
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com

EDWARDSVILLE OFFICE
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com

ST. LOUIS OFFICE
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com

WATERLOO OFFICE
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL ENGINEERING CORP.	62-03370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-065202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
 Signature Date:

I hereby confirm that the document herein to be authenticated 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.

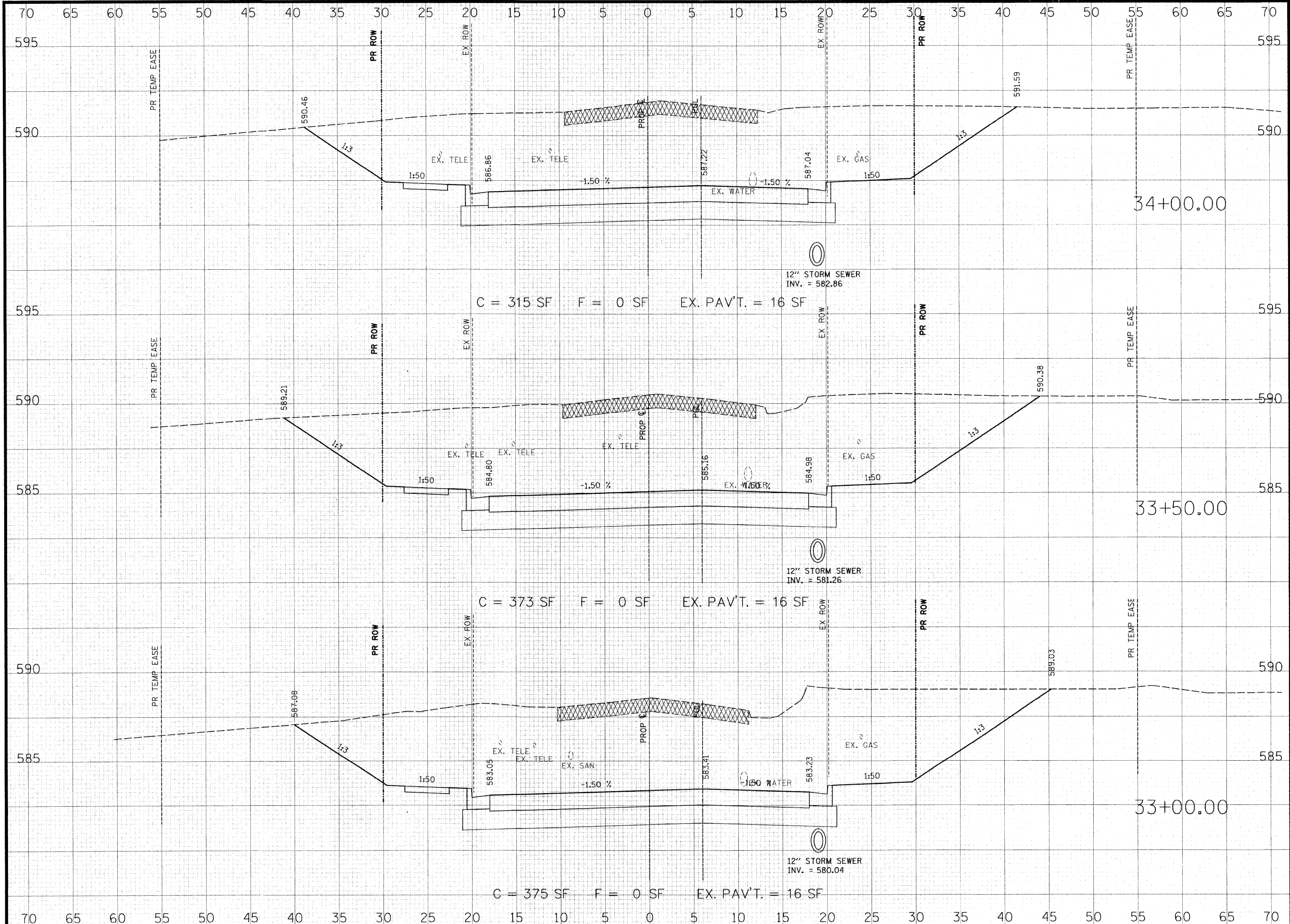
HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	JWS	SHEET
DESIGNED BY: <td>JWS</td> <td>68</td>	JWS	68
CHECKED BY: <td>JWS</td> <td>OF 104 SHEETS</td>	JWS	OF 104 SHEETS
APPROVED BY: <td>SJK</td> <td>PROJECT DESCRIPTION</td>	SJK	PROJECT DESCRIPTION
PROJECT NUMBER: <td>120-030356</td> <td>HUNTWOOD ROAD RECONSTRUCTION</td>	120-030356	HUNTWOOD ROAD RECONSTRUCTION

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



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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

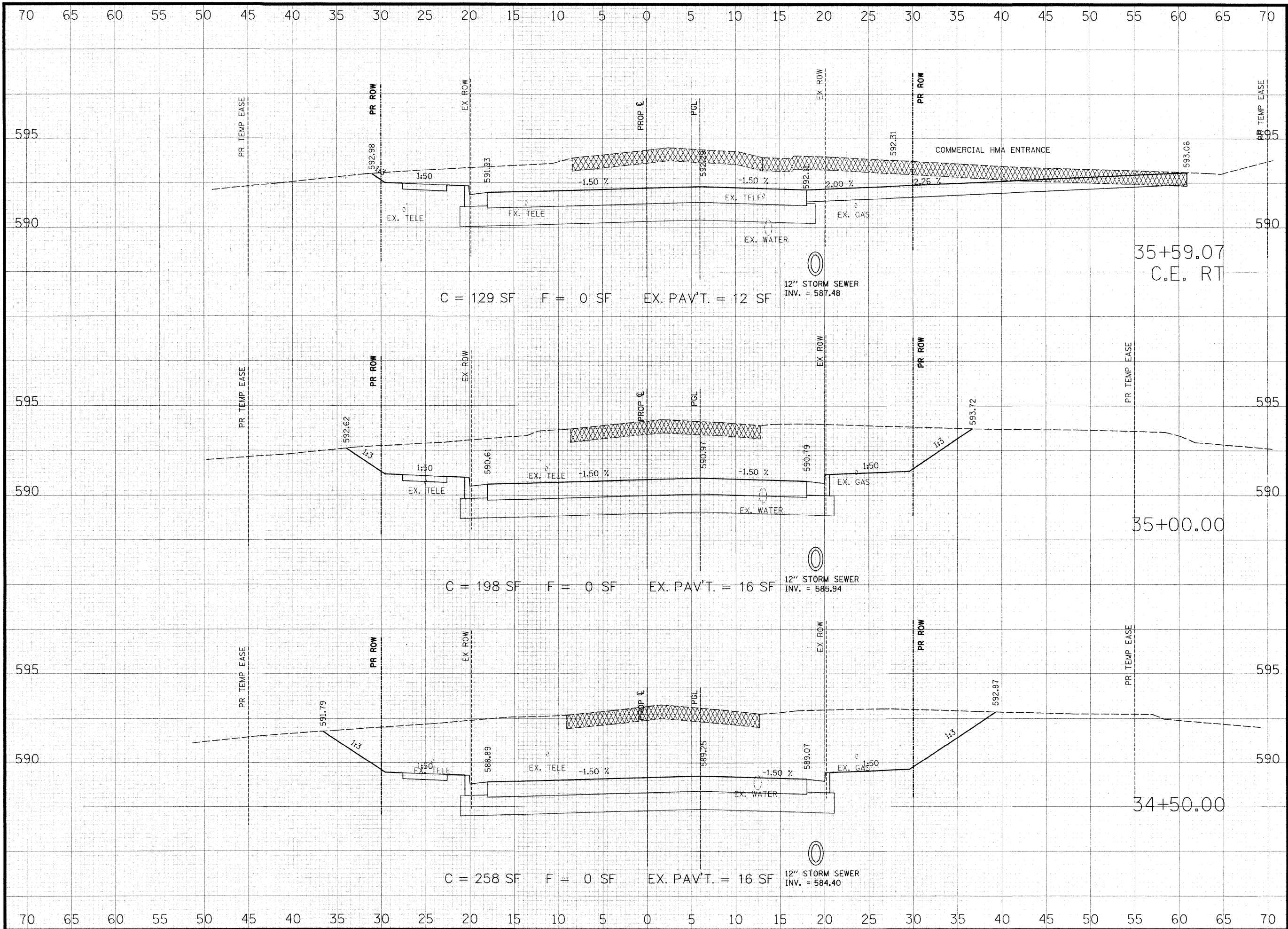
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

TITLE
HUNTWOOD ROAD
CROSS SECTIONS

PROJECT:
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	69
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	HUNTWOOD ROAD RECONSTRUCTION
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date: _____
 Signature Date: _____

I hereby confirm that the document herein to be authenticated 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.

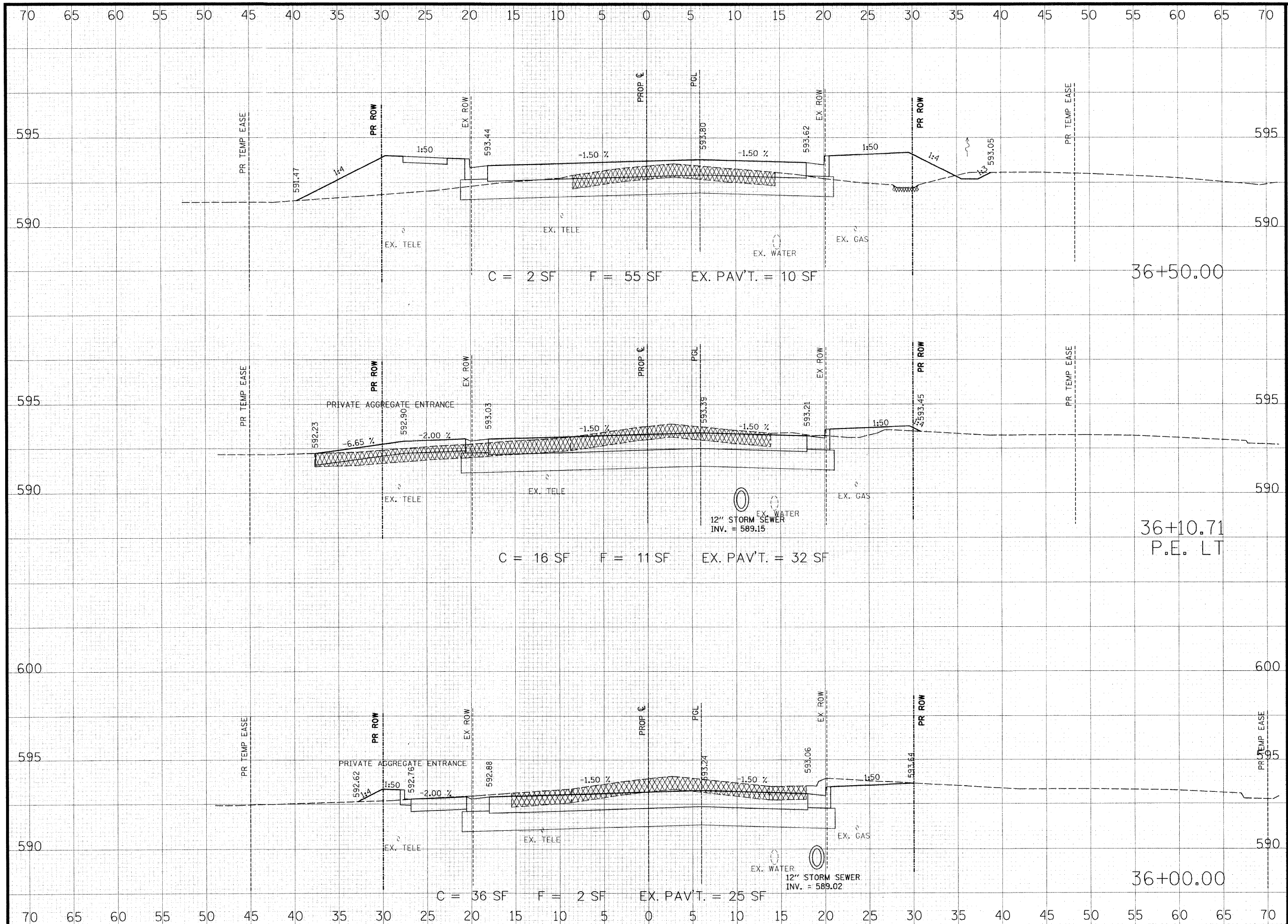
HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 70
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION
APPROVED BY: SJK	HUNTWOOD ROAD RECONSTRUCTION
PROJECT NUMBER: T20-030356	

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



**THOUVENOT,
WADE &
MOERCHEN, INC.**
ENGINEERS • SURVEYORS • PLANNERS



CORPORATE OFFICE
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com

EDWARDSVILLE OFFICE
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com

ST. LOUIS OFFICE
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com

WATERLOO OFFICE
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005502
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

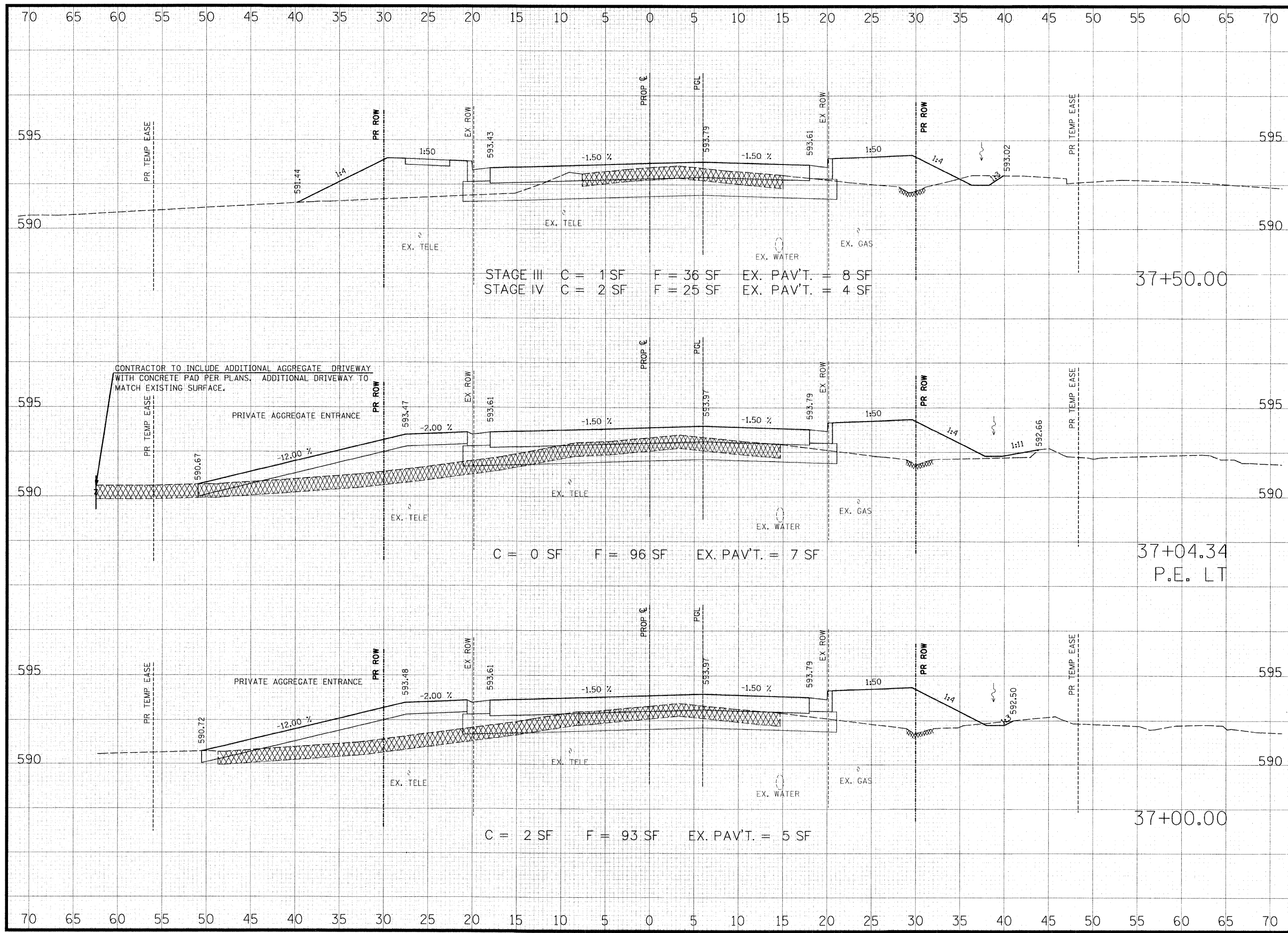
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

**HUNTWOOD ROAD
CROSS SECTIONS**

**HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY**

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	JWS	SHEET	71
DESIGNED BY:	JWS	OF 104 SHEETS	
CHECKED BY:	SJK	PROJECT DESCRIPTION	HUNTWOOD ROAD RECONSTRUCTION
APPROVED BY:	SJK	PROJECT NUMBER	T20-030356
<input type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING			



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



- ☒ **CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- ☐ **EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ☐ **ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- ☐ **WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-01220
PROFESSIONAL ENGINEERING CORP.	62-033370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005022
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

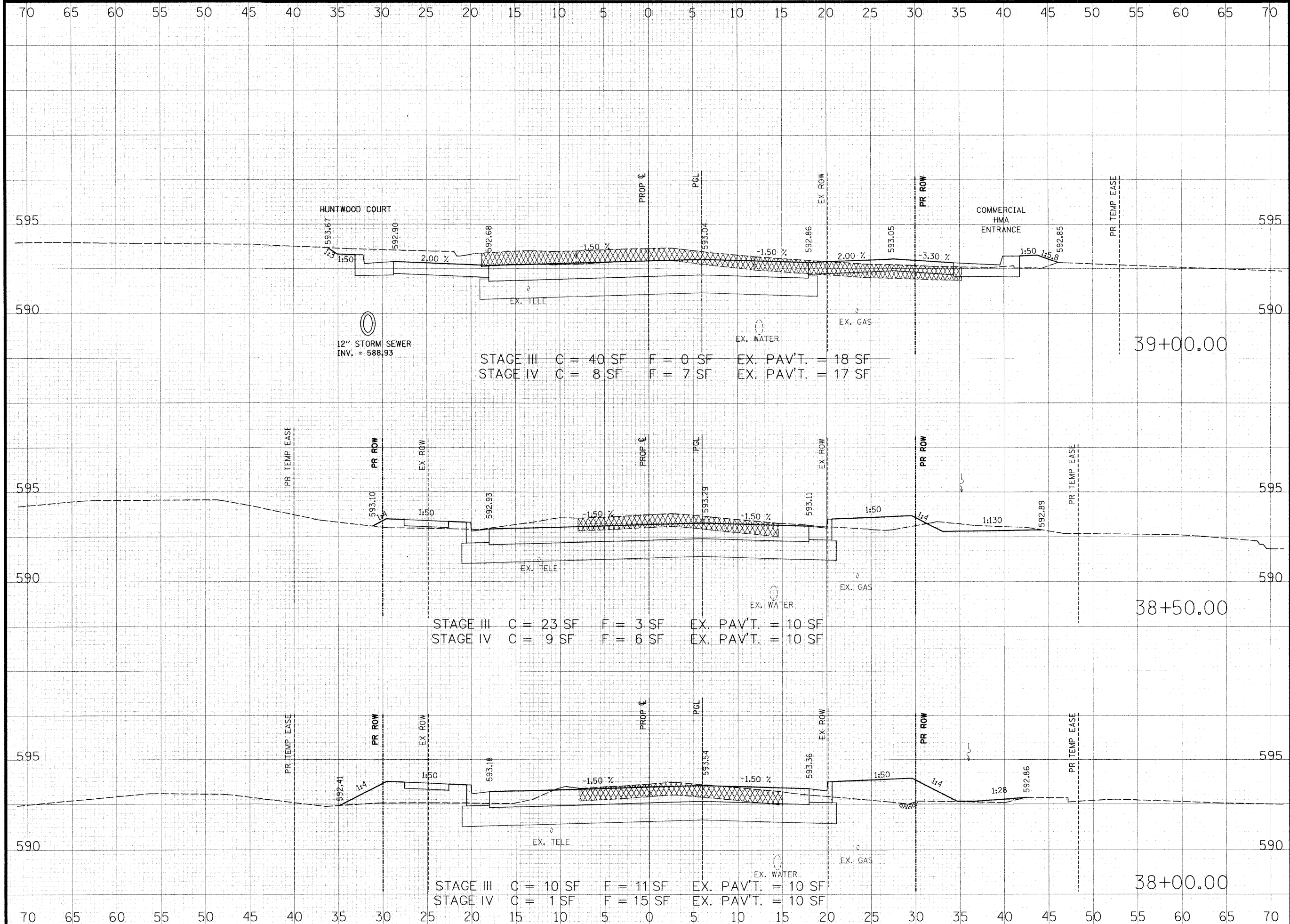
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 72
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION
APPROVED BY: SJK	HUNTWOOD ROAD RECONSTRUCTION
PROJECT NUMBER: T20-030356	
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



HUNTWOOD COURT
 12" STORM SEWER
 INV. = 588.93

STAGE III C = 40 SF F = 0 SF EX. PAV'T. = 18 SF
 STAGE IV C = 8 SF F = 7 SF EX. PAV'T. = 17 SF

STAGE III C = 23 SF F = 3 SF EX. PAV'T. = 10 SF
 STAGE IV C = 9 SF F = 6 SF EX. PAV'T. = 10 SF

STAGE III C = 10 SF F = 11 SF EX. PAV'T. = 10 SF
 STAGE IV C = 1 SF F = 15 SF EX. PAV'T. = 10 SF

**THOUVENOT,
 WADE &
 MOERCHEN, INC.**
 ENGINEERS • SURVEYORS • PLANNERS



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
 Signature Date:

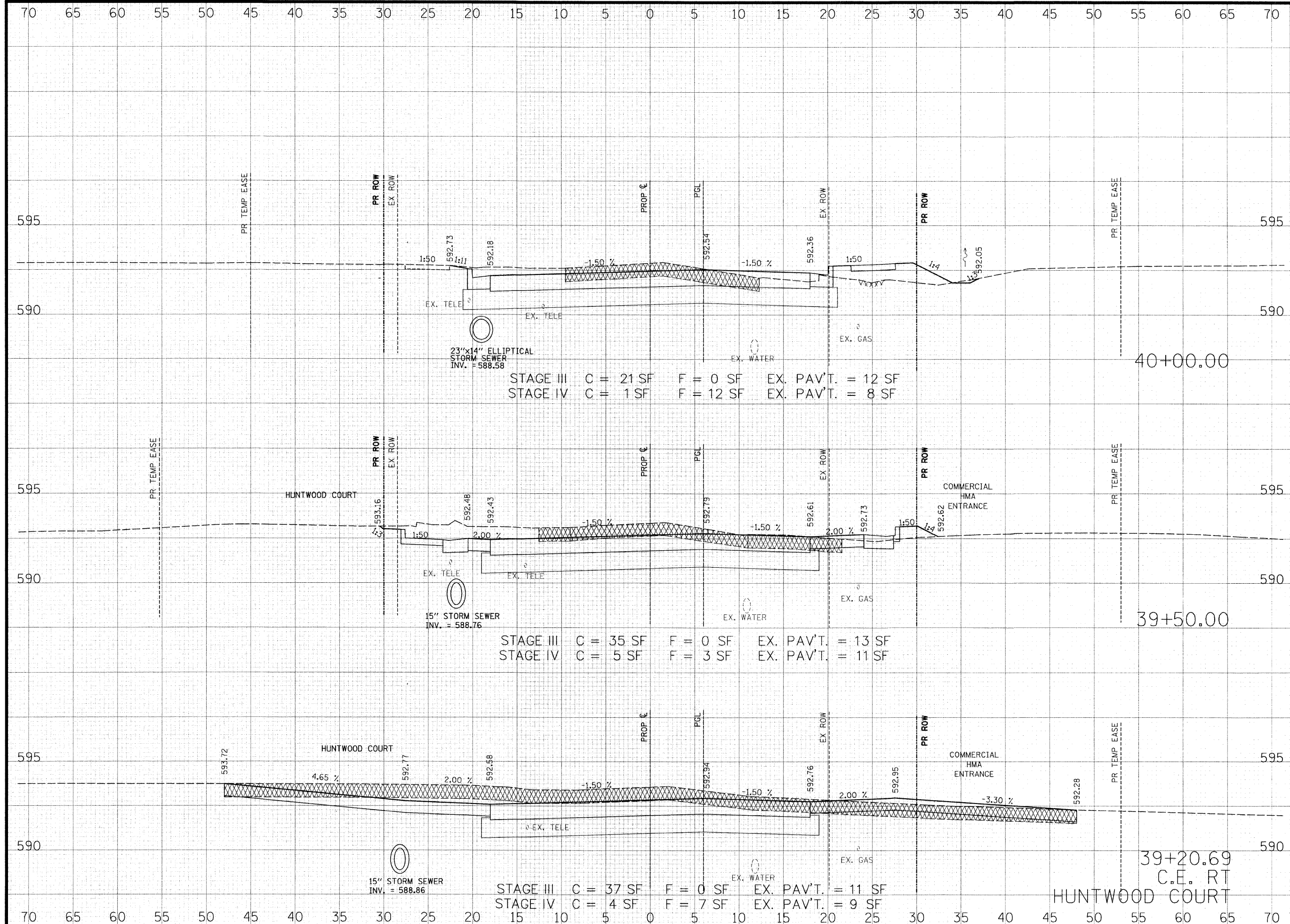
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

TITLE
 HUNTWOOD ROAD
 CROSS SECTIONS

PROJECT:
 HUNTWOOD ROAD RECONSTRUCTION
 VILLAGE OF SWANSEA
 ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	JWS	SHEET	73
DESIGNED BY:	JWS	OF 104 SHEETS	
CHECKED BY:	SJK	PROJECT DESCRIPTION	HUNTWOOD ROAD RECONSTRUCTION
APPROVED BY:	SJK	PROJECT NUMBER	T20-030356
<input type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING			



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



- ☑ **CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- ☐ **EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ☐ **ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- ☐ **WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

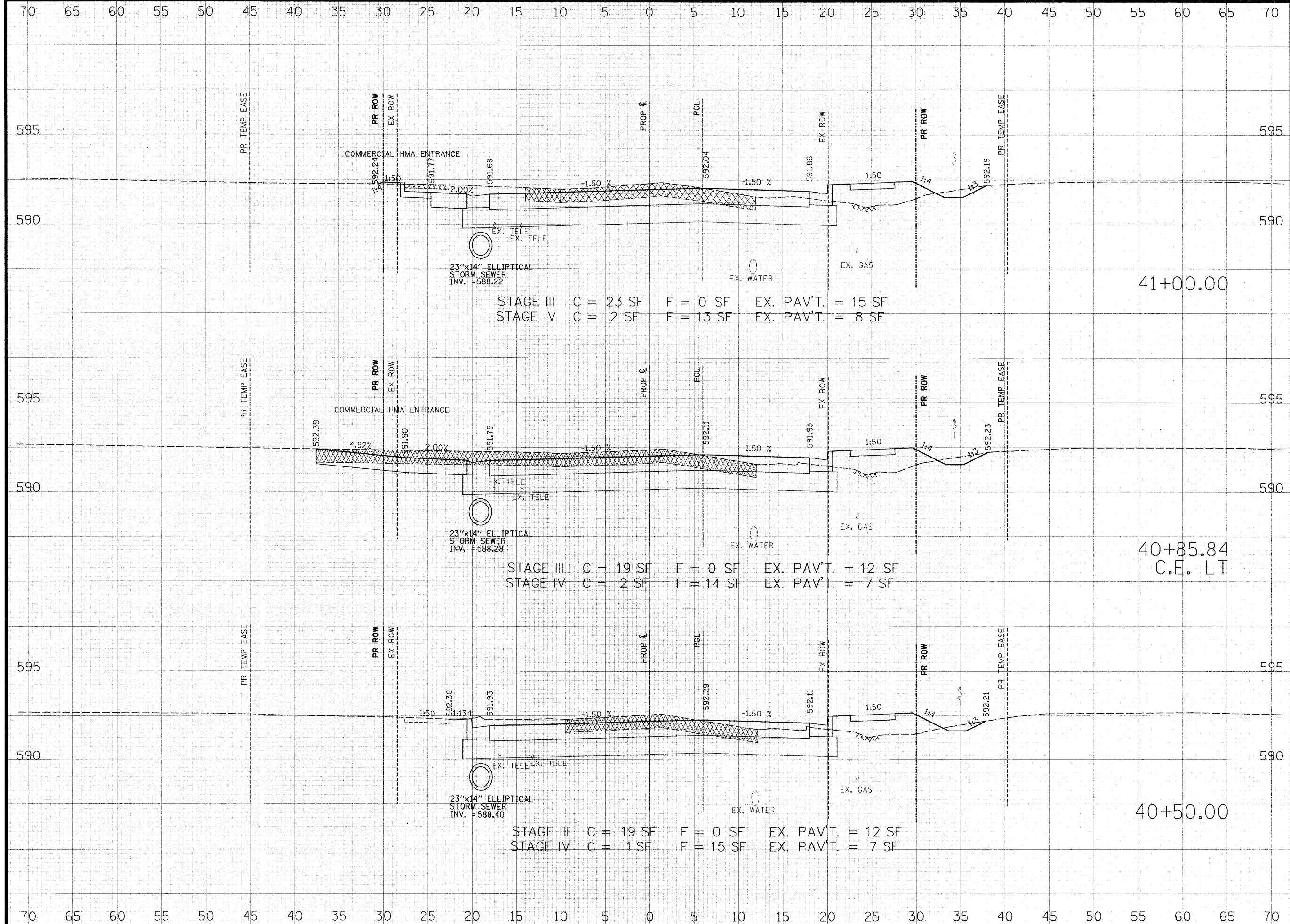
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 74
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION: HUNTWOOD ROAD RECONSTRUCTION
APPROVED BY: SJK	PROJECT NUMBER: T20-030356
<input type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING	



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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
 Signature Date:

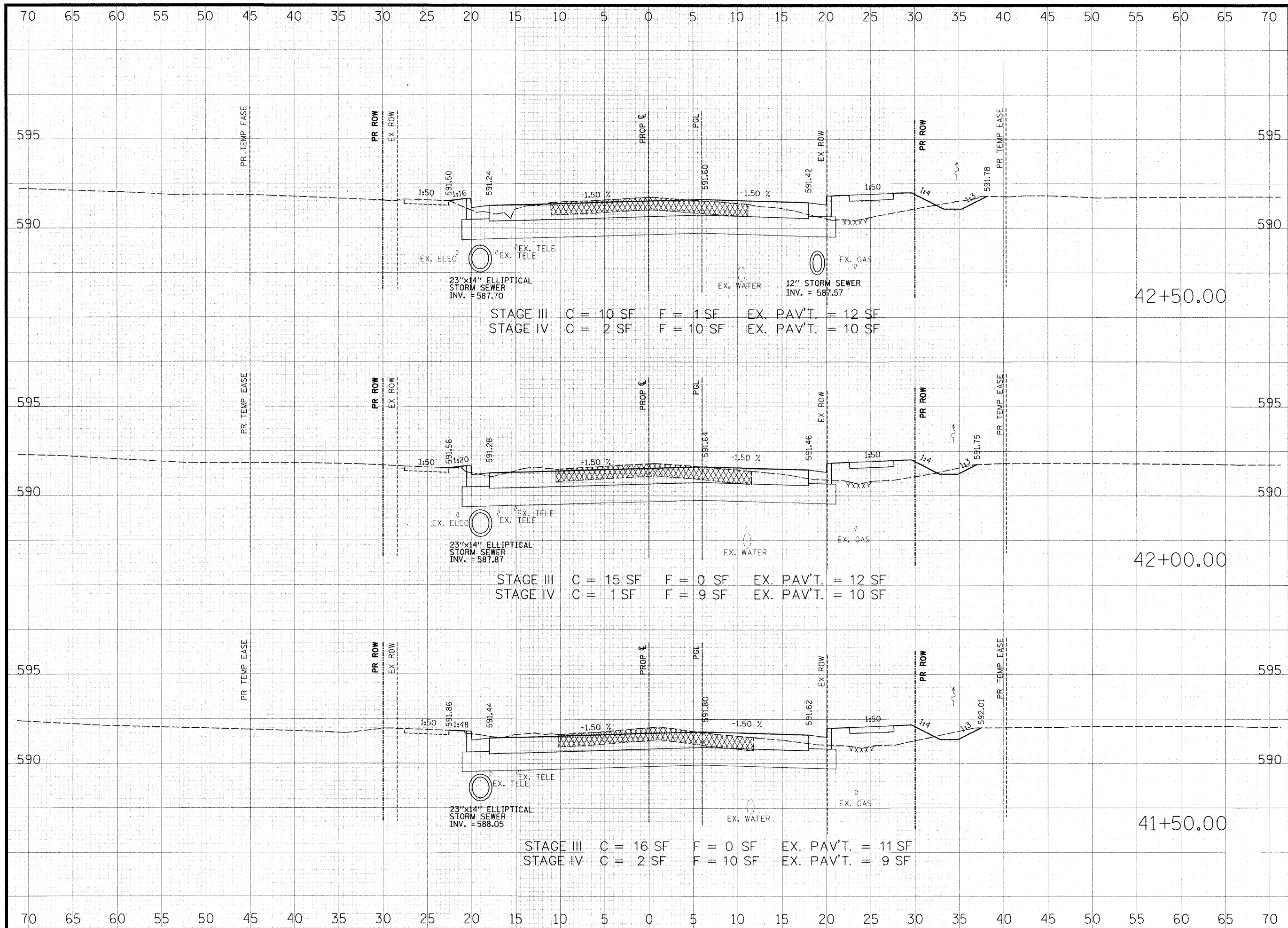
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 75
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION: HUNTWOOD ROAD RECONSTRUCTION
APPROVED BY: SJK	PROJECT NUMBER: T20-030356
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



**THOUVENOT,
WADE &
MOERCHEN, INC.**
ENGINEERS • SURVEYORS • PLANNERS



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL ENGINEERING CORP.	62-03370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date: _____
Signature Date: _____

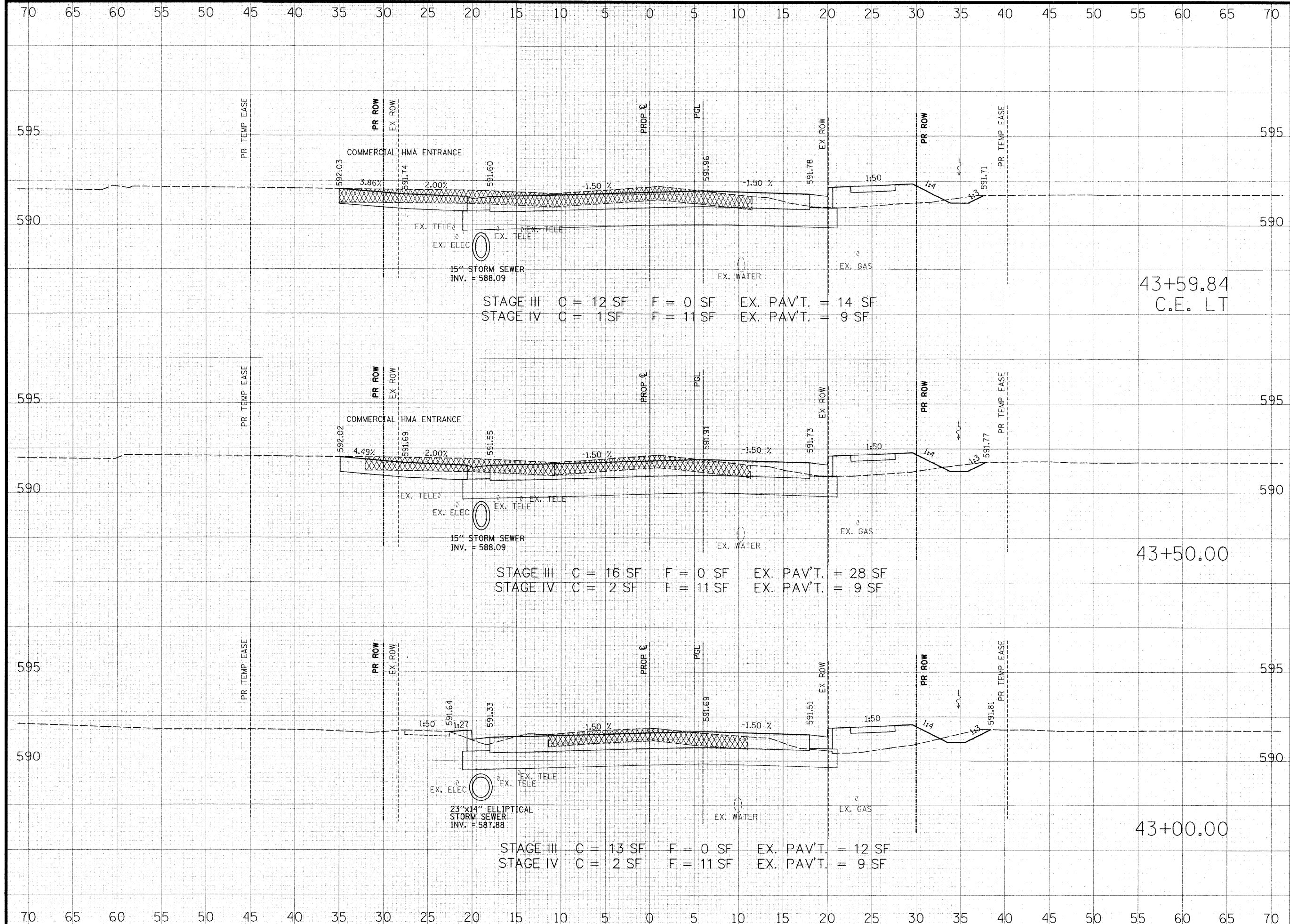
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

**HUNTWOOD ROAD RECONSTRUCTION
CROSS SECTIONS**

**HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY**

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	76
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	HUNTWOOD ROAD RECONSTRUCTION
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



STAGE III C = 12 SF F = 0 SF EX. PAV'T. = 14 SF
 STAGE IV C = 1 SF F = 11 SF EX. PAV'T. = 9 SF

43+59.84
 C.E. LT

STAGE III C = 16 SF F = 0 SF EX. PAV'T. = 28 SF
 STAGE IV C = 2 SF F = 11 SF EX. PAV'T. = 9 SF

43+50.00

STAGE III C = 13 SF F = 0 SF EX. PAV'T. = 12 SF
 STAGE IV C = 2 SF F = 11 SF EX. PAV'T. = 9 SF

43+00.00

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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
 Signature Date:

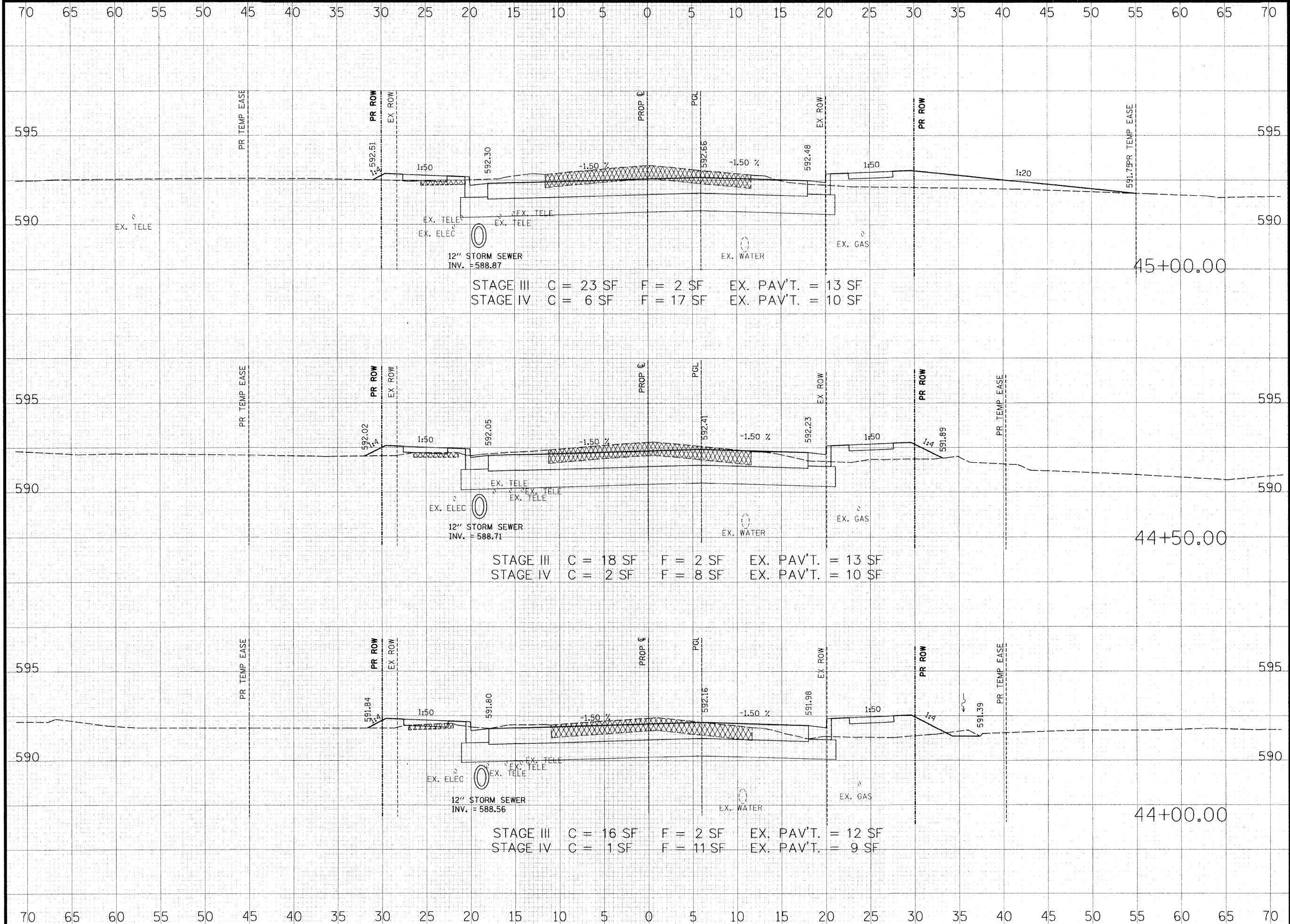
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 77
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION
APPROVED BY: SJK	HUNTWOOD ROAD RECONSTRUCTION
PROJECT NUMBER: T20-030356	
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
 Signature Date:

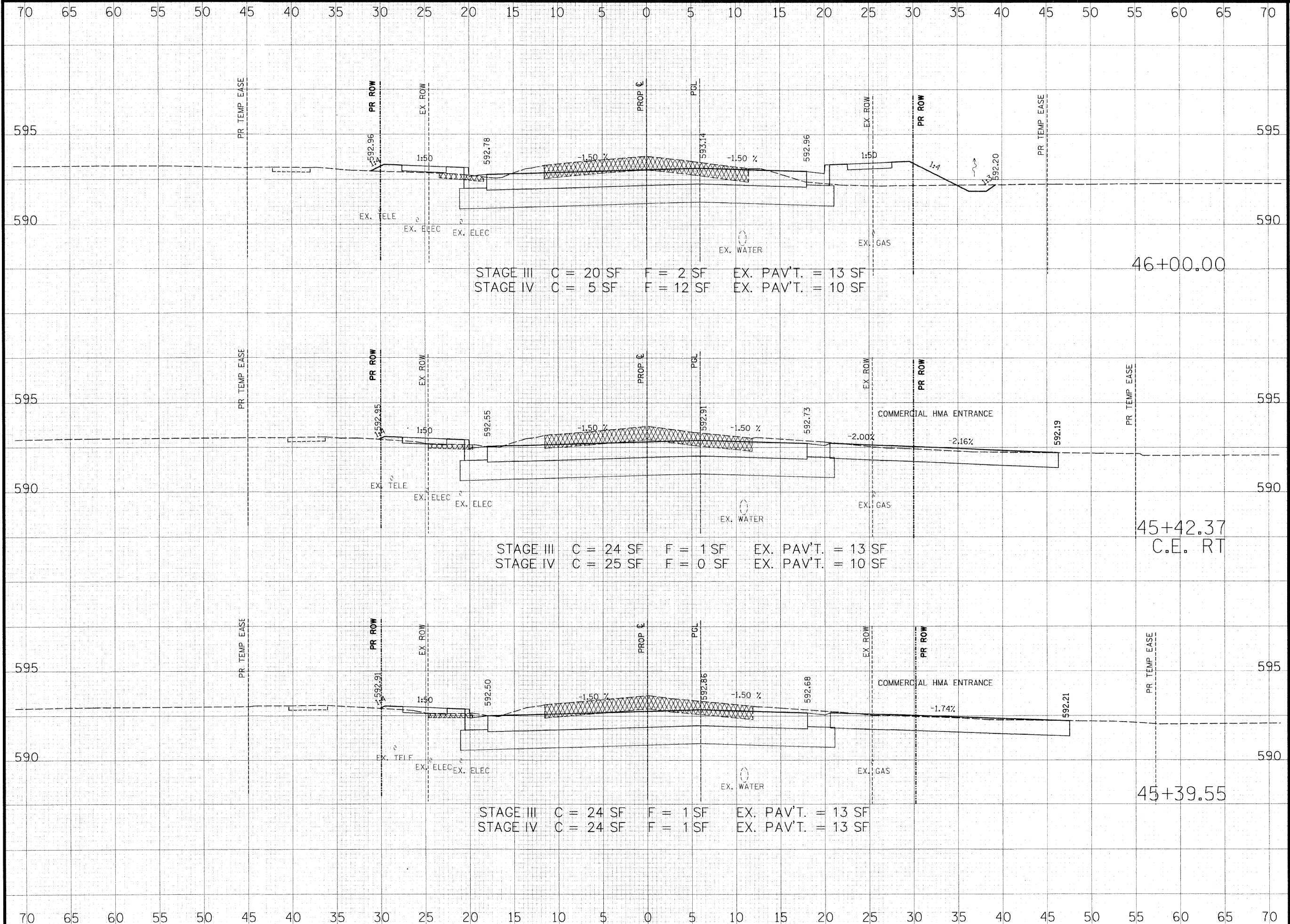
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 78
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION
APPROVED BY: SJK	HUNTWOOD ROAD RECONSTRUCTION
PROJECT NUMBER: T20-030356	
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



STAGE III C = 20 SF F = 2 SF EX. PAV'T. = 13 SF
 STAGE IV C = 5 SF F = 12 SF EX. PAV'T. = 10 SF

STAGE III C = 24 SF F = 1 SF EX. PAV'T. = 13 SF
 STAGE IV C = 25 SF F = 0 SF EX. PAV'T. = 10 SF

STAGE III C = 24 SF F = 1 SF EX. PAV'T. = 13 SF
 STAGE IV C = 24 SF F = 1 SF EX. PAV'T. = 13 SF

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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

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

SEAL

Renewal Date: _____
 Signature Date: _____

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.

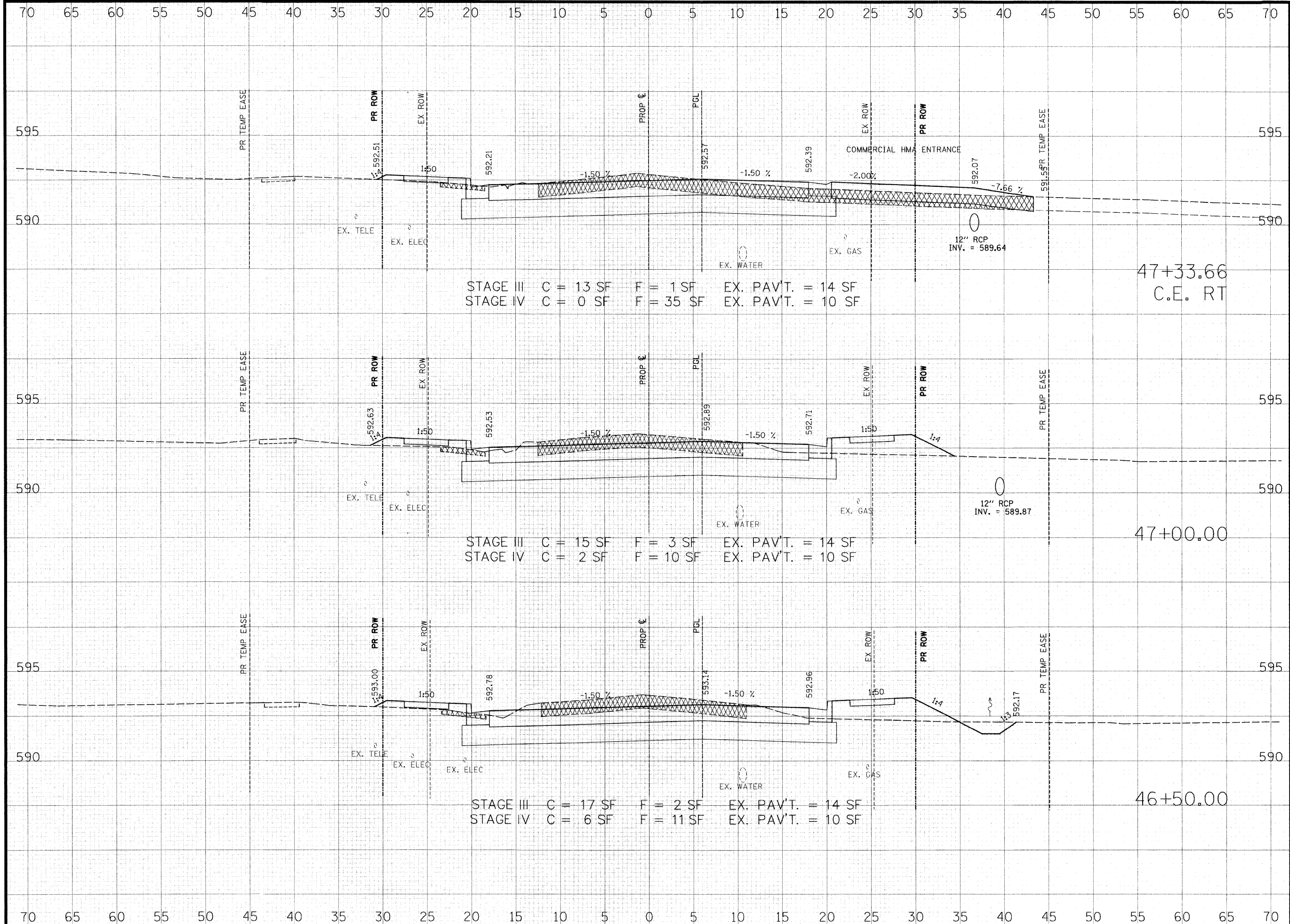
HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: **JWS** SHEET **79**
 DESIGNED BY: **JWS** OF **104** SHEETS
 CHECKED BY: **SJK**
 APPROVED BY: **SJK** PROJECT DESCRIPTION: HUNTWOOD ROAD RECONSTRUCTION
 PROJECT NUMBER: **T20-030356**

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



STAGE III C = 13 SF F = 1 SF EX. PAV'T. = 14 SF
 STAGE IV C = 0 SF F = 35 SF EX. PAV'T. = 10 SF

47+33.66
 C.E. RT

STAGE III C = 15 SF F = 3 SF EX. PAV'T. = 14 SF
 STAGE IV C = 2 SF F = 10 SF EX. PAV'T. = 10 SF

47+00.00

STAGE III C = 17 SF F = 2 SF EX. PAV'T. = 14 SF
 STAGE IV C = 6 SF F = 11 SF EX. PAV'T. = 10 SF

46+50.00

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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3936
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005302
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001028
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
 Signature Date:

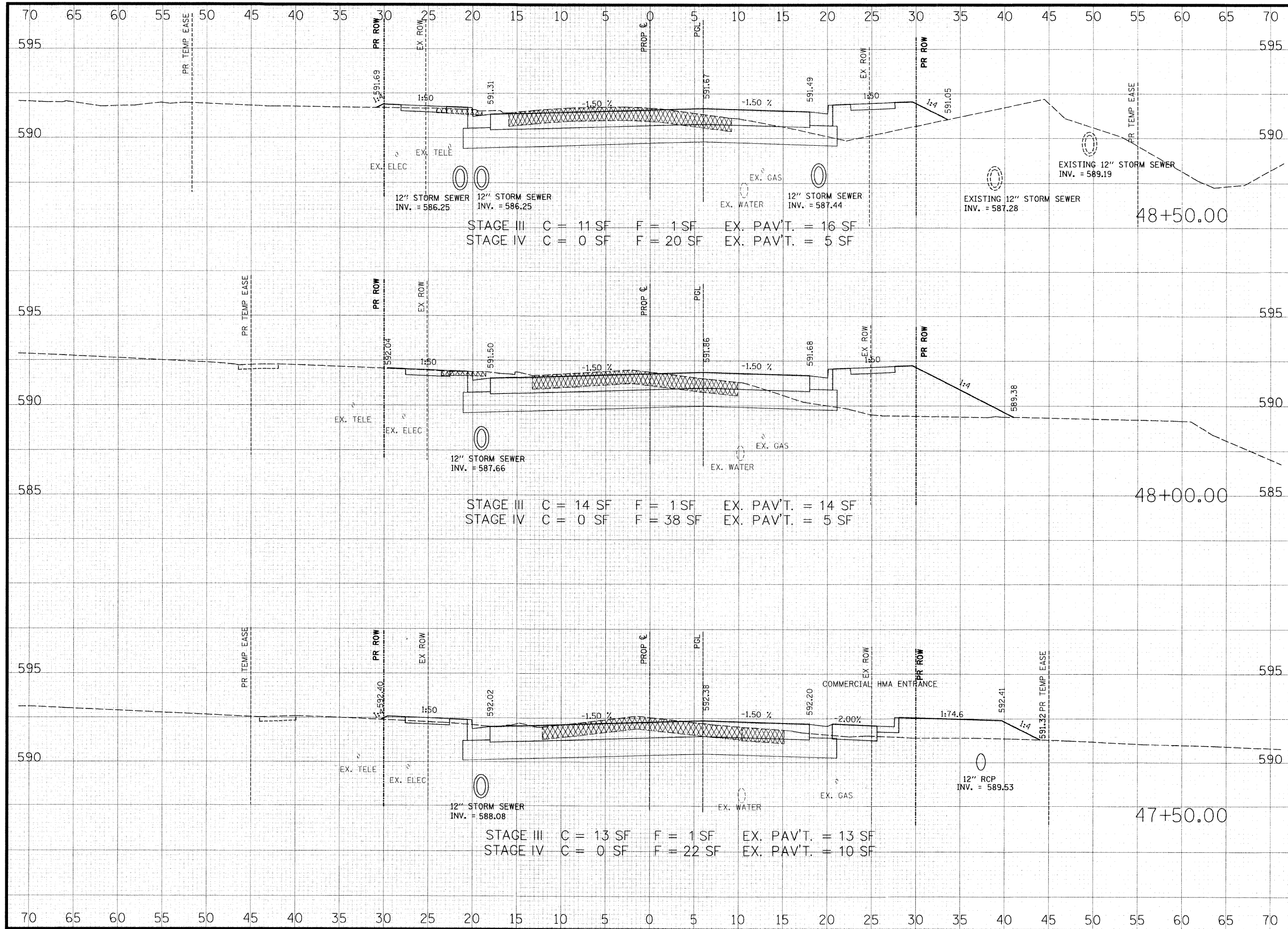
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 80
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION: HUNTWOOD ROAD RECONSTRUCTION
APPROVED BY: SJK	PROJECT NUMBER: T20-030356
<input type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING	



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



✕ CORPORATE OFFICE
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com

□ EDWARDSVILLE OFFICE
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com

□ ST. LOUIS OFFICE
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com

□ WATERLOO OFFICE
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-055370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
 Signature Date:

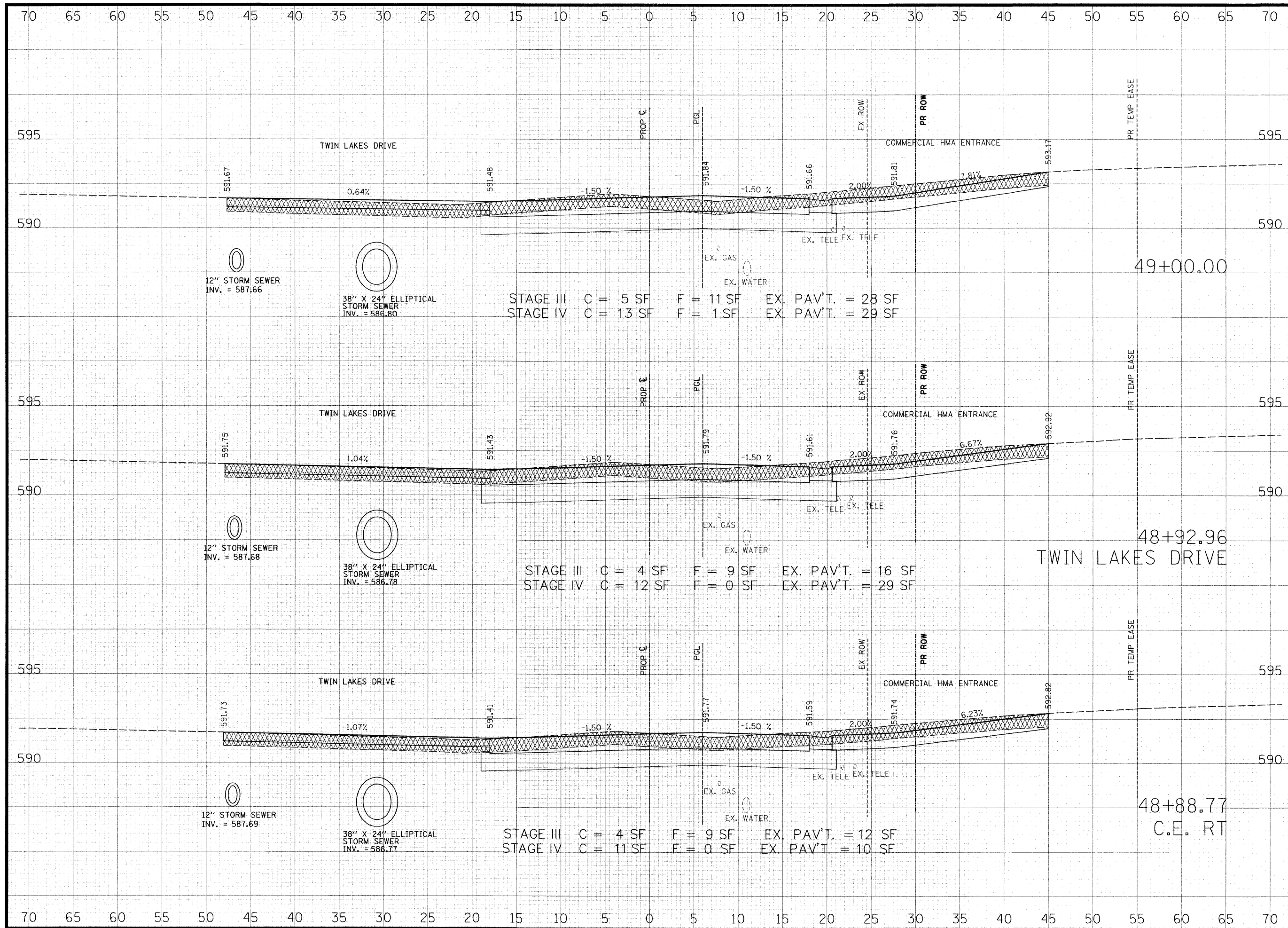
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 81
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION
APPROVED BY: SJK	HUNTWOOD ROAD RECONSTRUCTION
PROJECT NUMBER: 120-030356	
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6888
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date: _____
Signature Date: _____

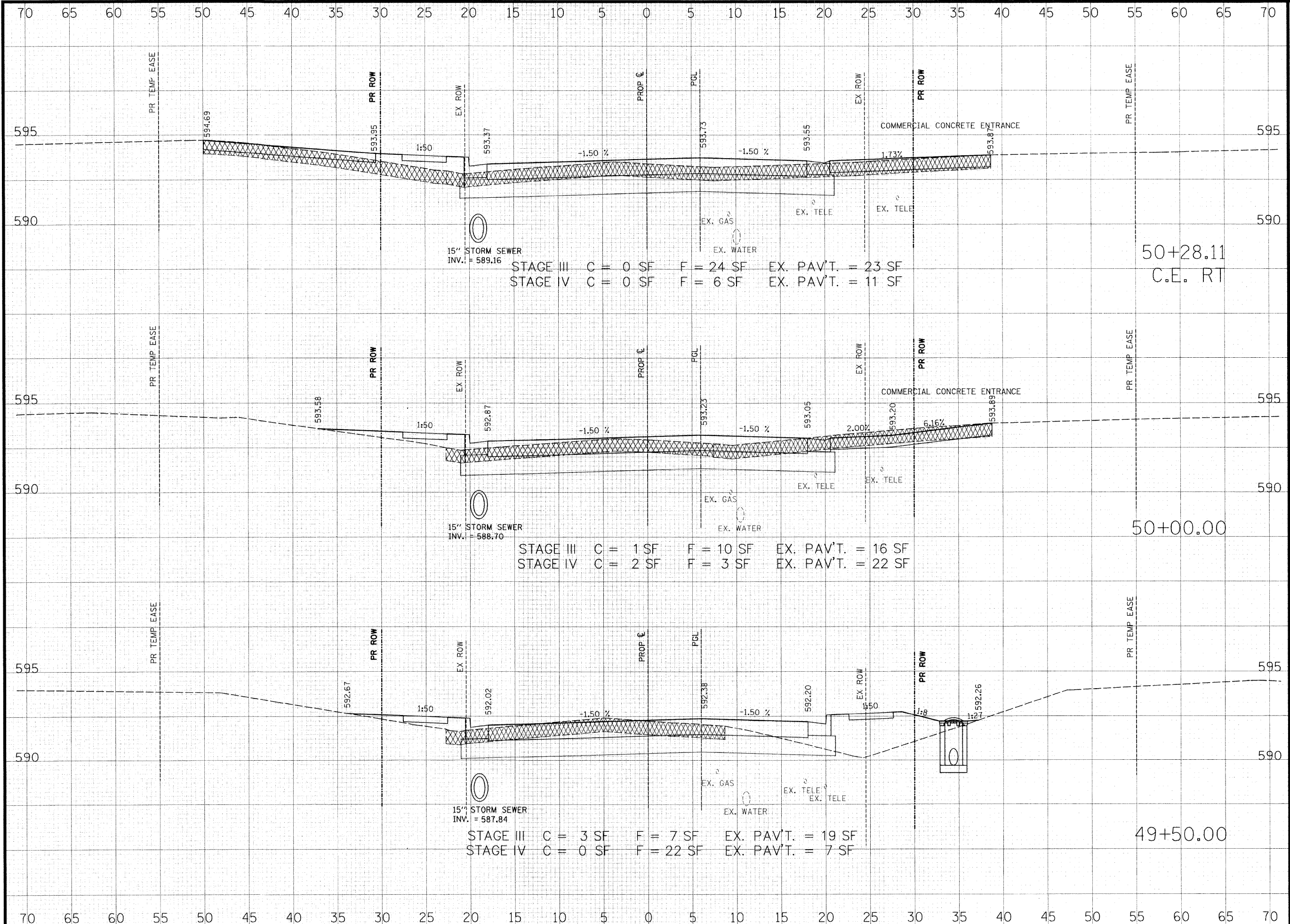
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 82
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION: HUNTWOOD ROAD RECONSTRUCTION
APPROVED BY: SJK	PROJECT NUMBER: T20-030356
<input type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING	



STAGE III C = 0 SF F = 24 SF EX. PAV'T. = 23 SF
 STAGE IV C = 0 SF F = 6 SF EX. PAV'T. = 11 SF

STAGE III C = 1 SF F = 10 SF EX. PAV'T. = 16 SF
 STAGE IV C = 2 SF F = 3 SF EX. PAV'T. = 22 SF

STAGE III C = 3 SF F = 7 SF EX. PAV'T. = 19 SF
 STAGE IV C = 0 SF F = 22 SF EX. PAV'T. = 7 SF

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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twn-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twn-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twn-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twn-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005002
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Renewal Date: _____
 Signature Date: _____

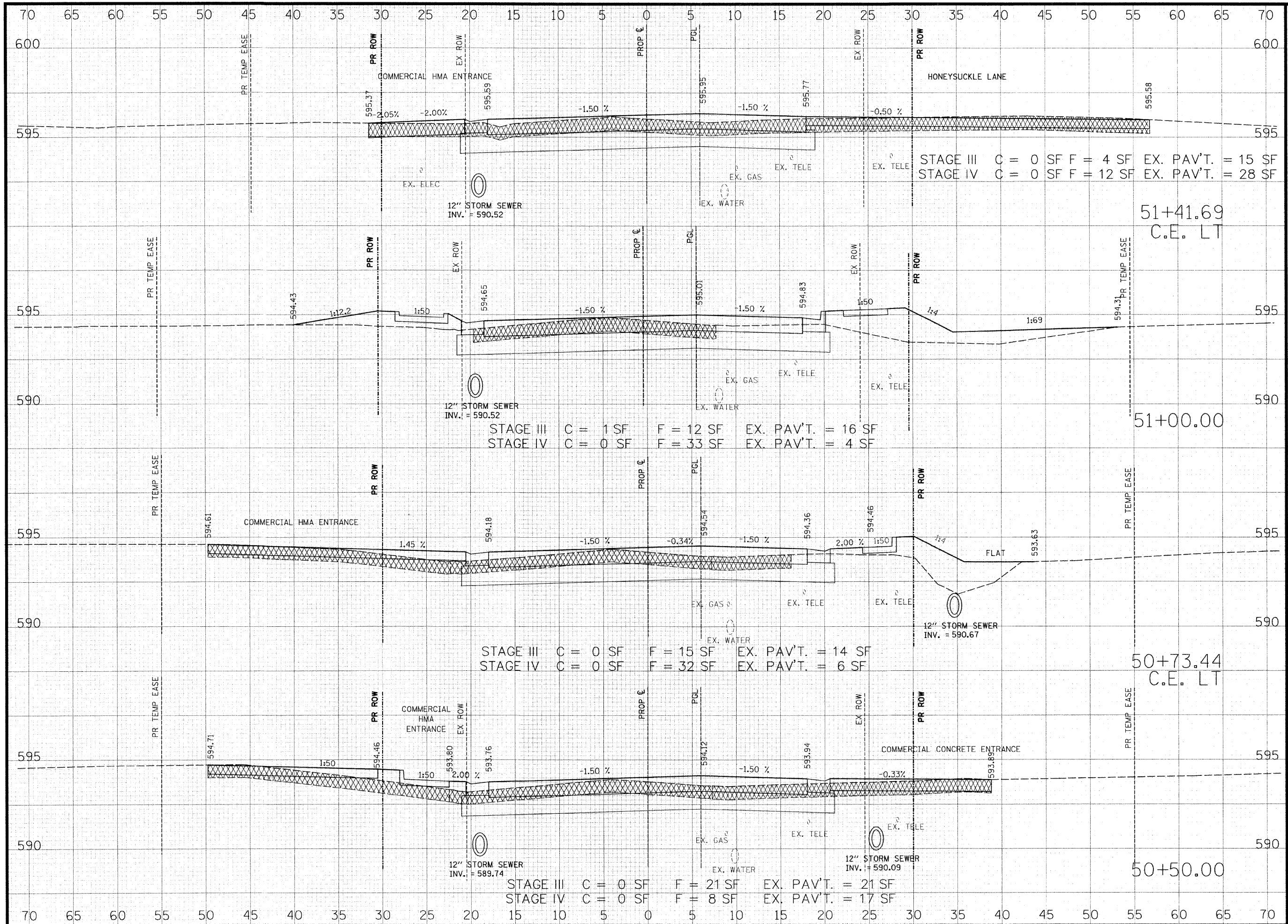
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 83
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION
APPROVED BY: SJK	HUNTWOOD ROAD RECONSTRUCTION
PROJECT NUMBER: T20-030356	
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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



☑ **CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com

☐ **EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com

☐ **ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com

☐ **WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005022
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

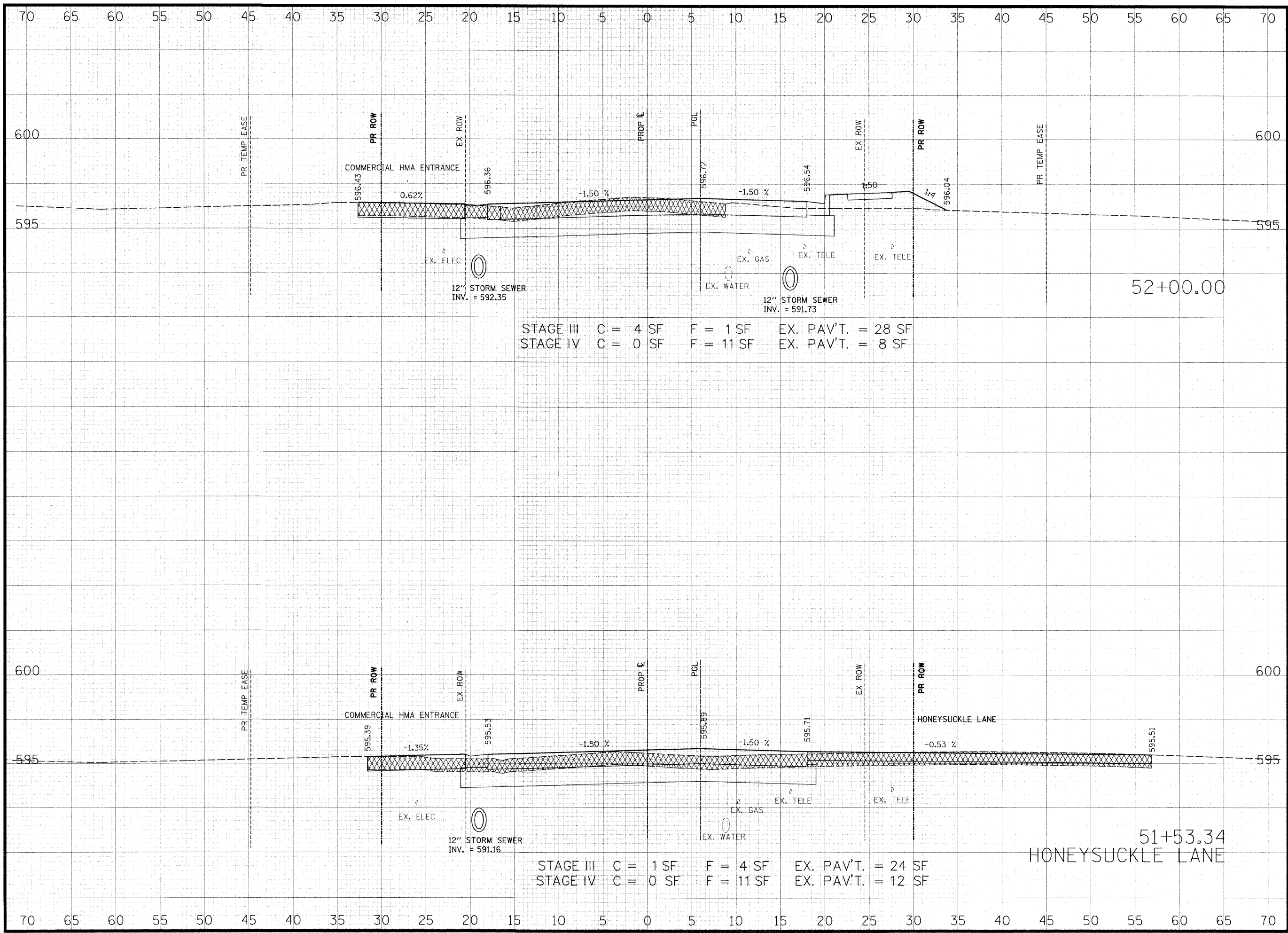
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

**HUNTWOOD ROAD RECONSTRUCTION
CROSS SECTIONS**

**HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY**

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 84
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION
APPROVED BY: SJK	HUNTWOOD ROAD RECONSTRUCTION
PROJECT NUMBER: T20-030356	
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



STAGE III C = 4 SF F = 1 SF EX. PAV'T. = 28 SF
 STAGE IV C = 0 SF F = 11 SF EX. PAV'T. = 8 SF

STAGE III C = 1 SF F = 4 SF EX. PAV'T. = 24 SF
 STAGE IV C = 0 SF F = 11 SF EX. PAV'T. = 12 SF

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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

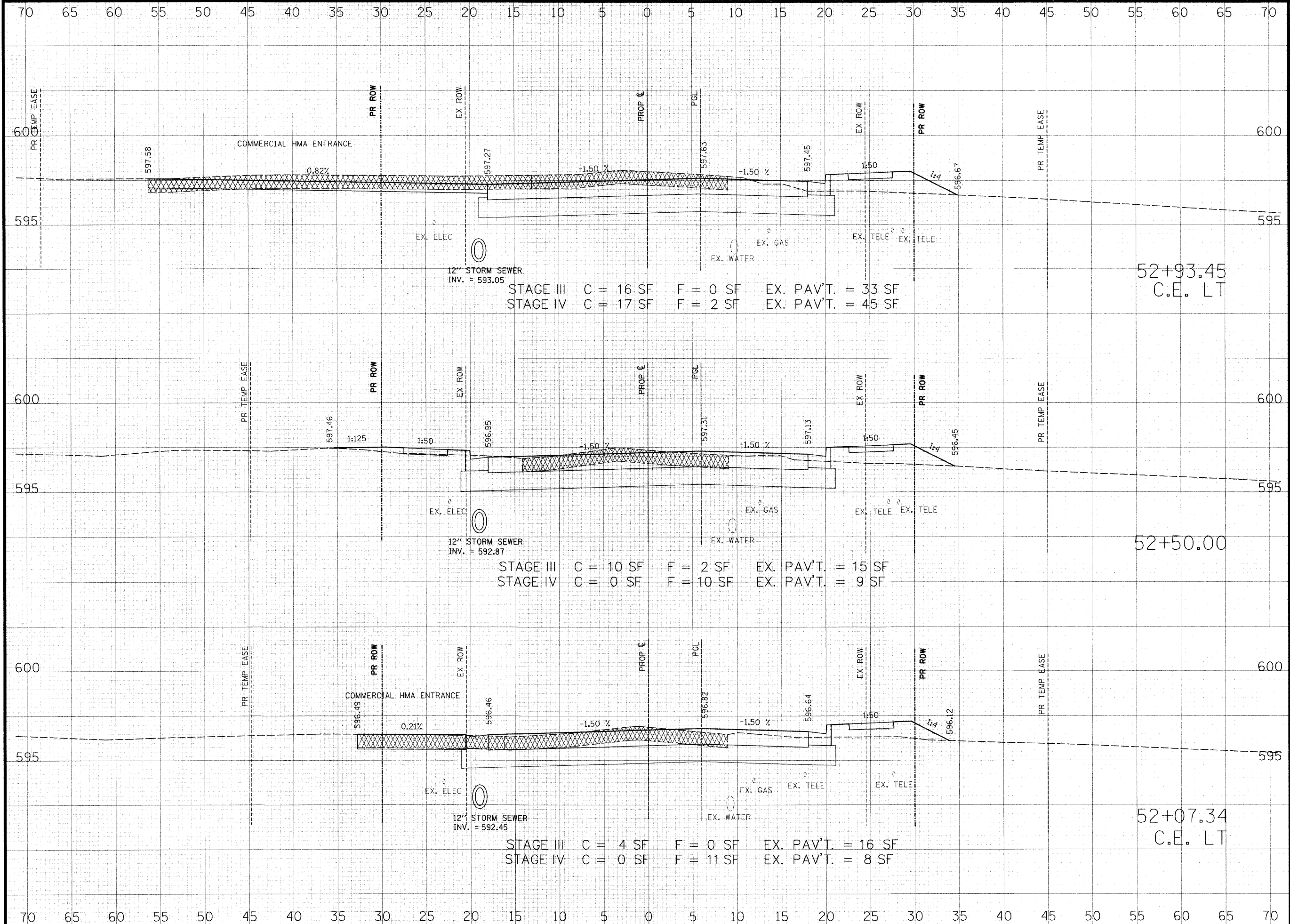
PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Renewal Date:
 Signature Date:
 I hereby confirm that the document herein to be authenticated 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.

HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS
 HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 85
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION: HUNTWOOD ROAD RECONSTRUCTION
APPROVED BY: SJK	PROJECT NUMBER: T20-030356
<input type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING	



STAGE III C = 16 SF F = 0 SF EX. PAV'T. = 33 SF
 STAGE IV C = 17 SF F = 2 SF EX. PAV'T. = 45 SF

STAGE III C = 10 SF F = 2 SF EX. PAV'T. = 15 SF
 STAGE IV C = 0 SF F = 10 SF EX. PAV'T. = 9 SF

STAGE III C = 4 SF F = 0 SF EX. PAV'T. = 16 SF
 STAGE IV C = 0 SF F = 11 SF EX. PAV'T. = 8 SF

52+93.45
C.E. LT

52+50.00

52+07.34
C.E. LT

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005702
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

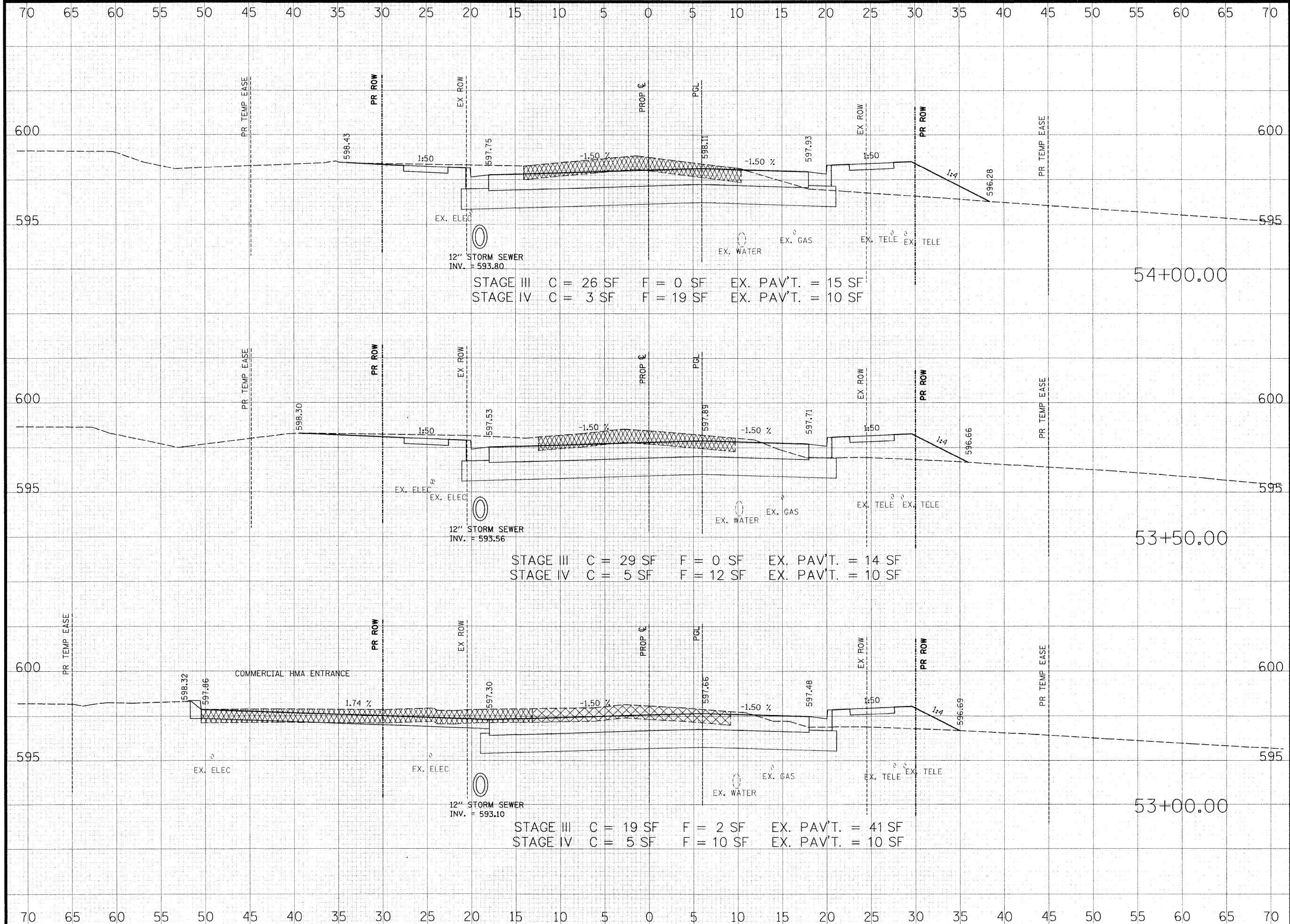
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	86
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	HUNTWOOD ROAD RECONSTRUCTION
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



STAGE III C = 26 SF F = 0 SF EX. PAV'T. = 15 SF
 STAGE IV C = 3 SF F = 19 SF EX. PAV'T. = 10 SF

STAGE III C = 29 SF F = 0 SF EX. PAV'T. = 14 SF
 STAGE IV C = 5 SF F = 12 SF EX. PAV'T. = 10 SF

STAGE III C = 19 SF F = 2 SF EX. PAV'T. = 41 SF
 STAGE IV C = 5 SF F = 10 SF EX. PAV'T. = 10 SF

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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date: _____
 Signature Date: _____

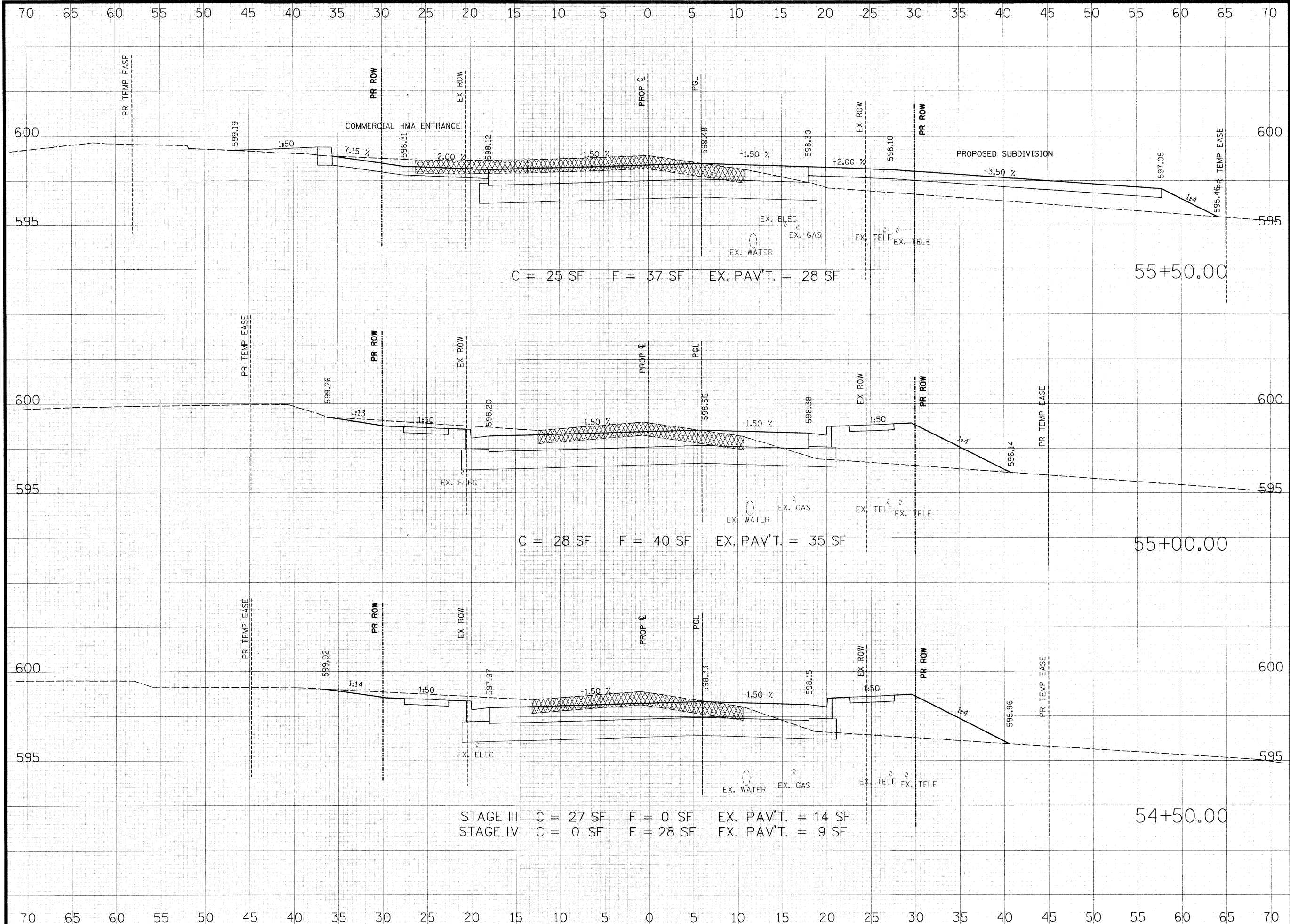
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	87
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	HUNTWOOD ROAD RECONSTRUCTION
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date: _____
Signature Date: _____

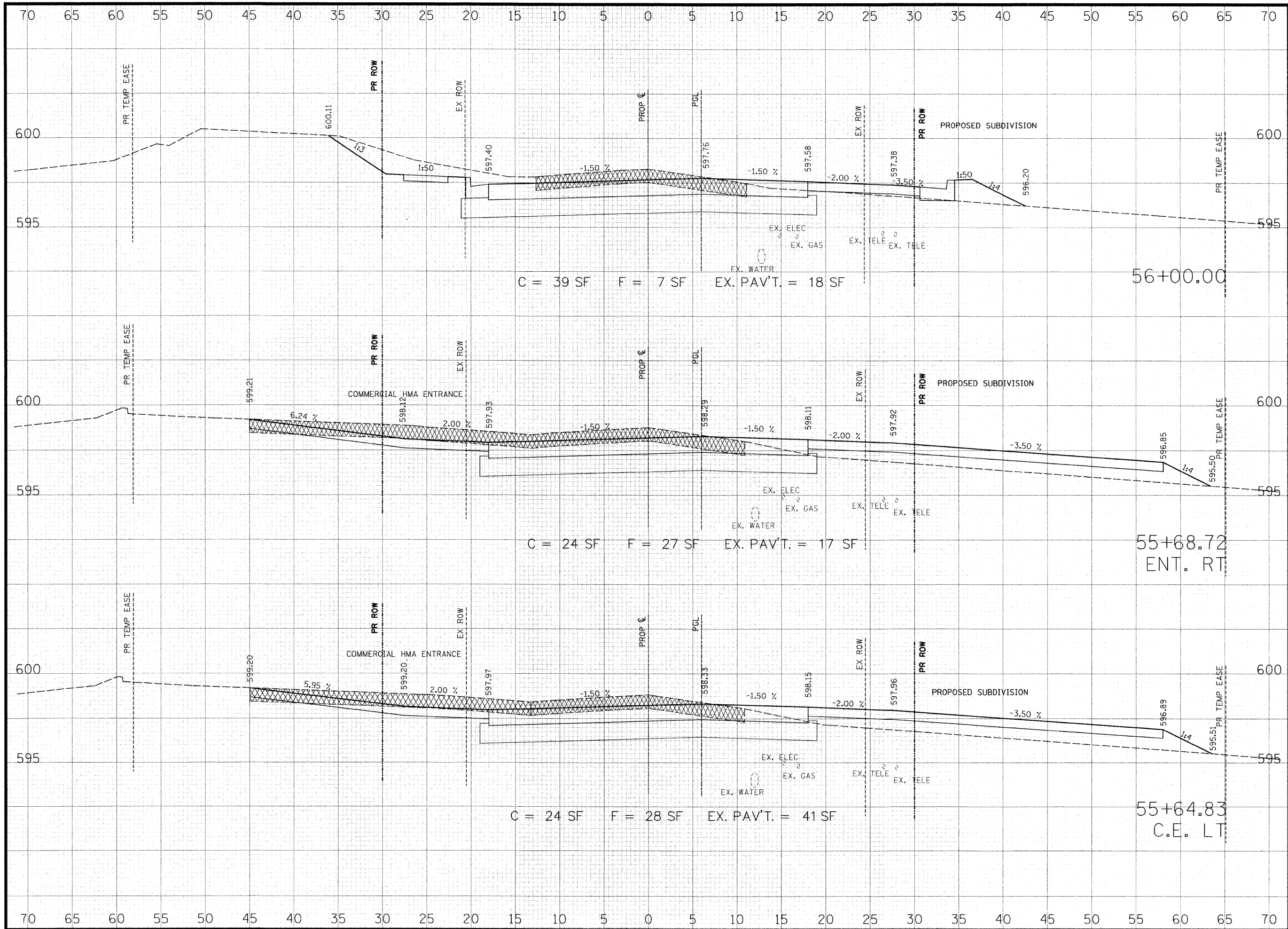
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 88
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION: HUNTWOOD ROAD RECONSTRUCTION
APPROVED BY: SJK	PROJECT NUMBER: T20-030356
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date: _____
 Signature Date: _____

I hereby confirm that the document herein to be authenticated 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.

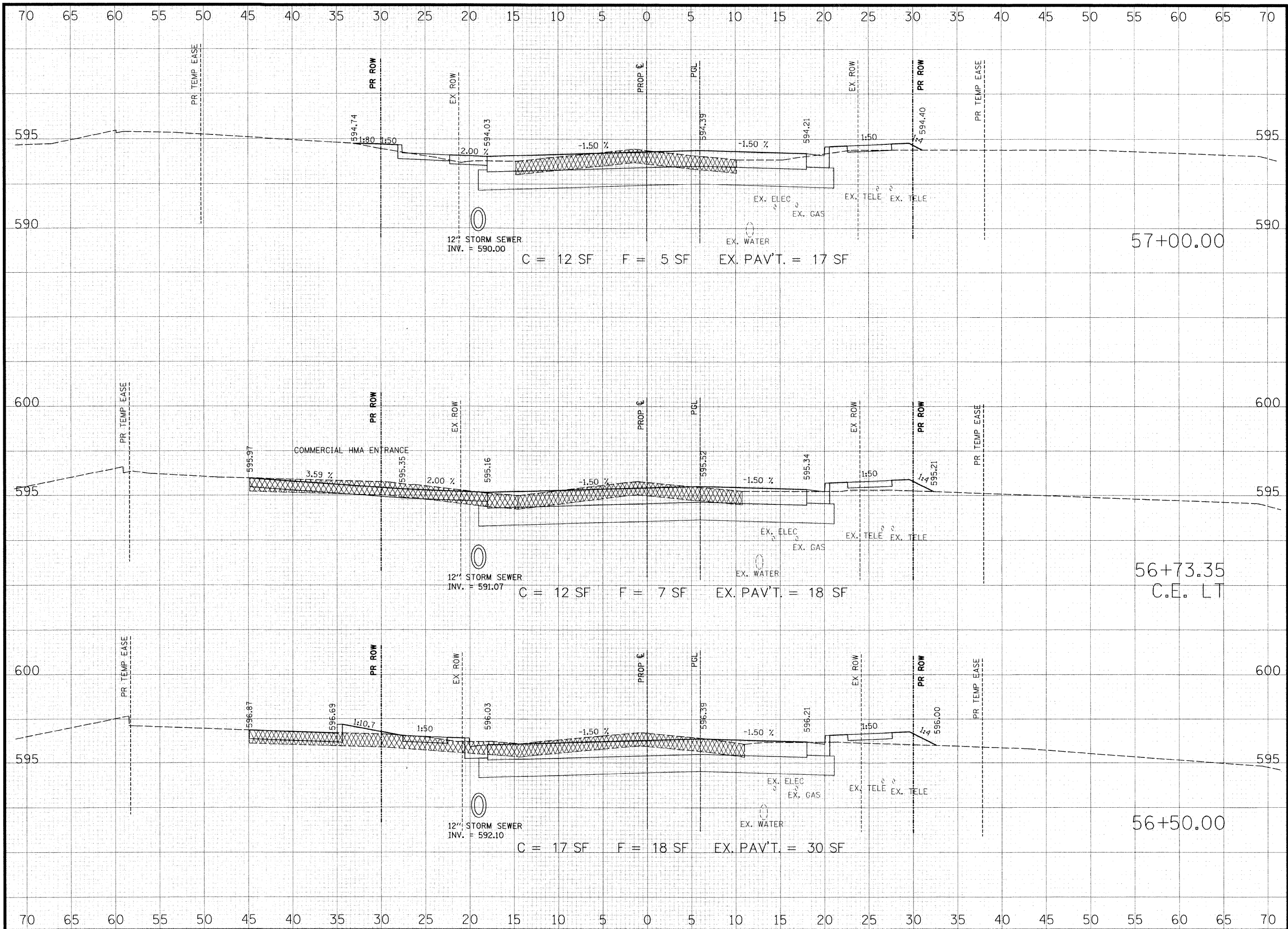
HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	JWS	SHEET
DESIGNED BY: <td>JWS</td> <td>89</td>	JWS	89
CHECKED BY: <td>SJK</td> <td>OF 104 SHEETS</td>	SJK	OF 104 SHEETS
APPROVED BY: <td>SJK</td> <td>PROJECT DESCRIPTION</td>	SJK	PROJECT DESCRIPTION
PROJECT NUMBER: <td>T20-030356</td> <td>HUNTWOOD ROAD RECONSTRUCTION</td>	T20-030356	HUNTWOOD ROAD RECONSTRUCTION

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



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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035170
PROFESSIONAL STRUCTURAL ENGR. CORP.	91-005302
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

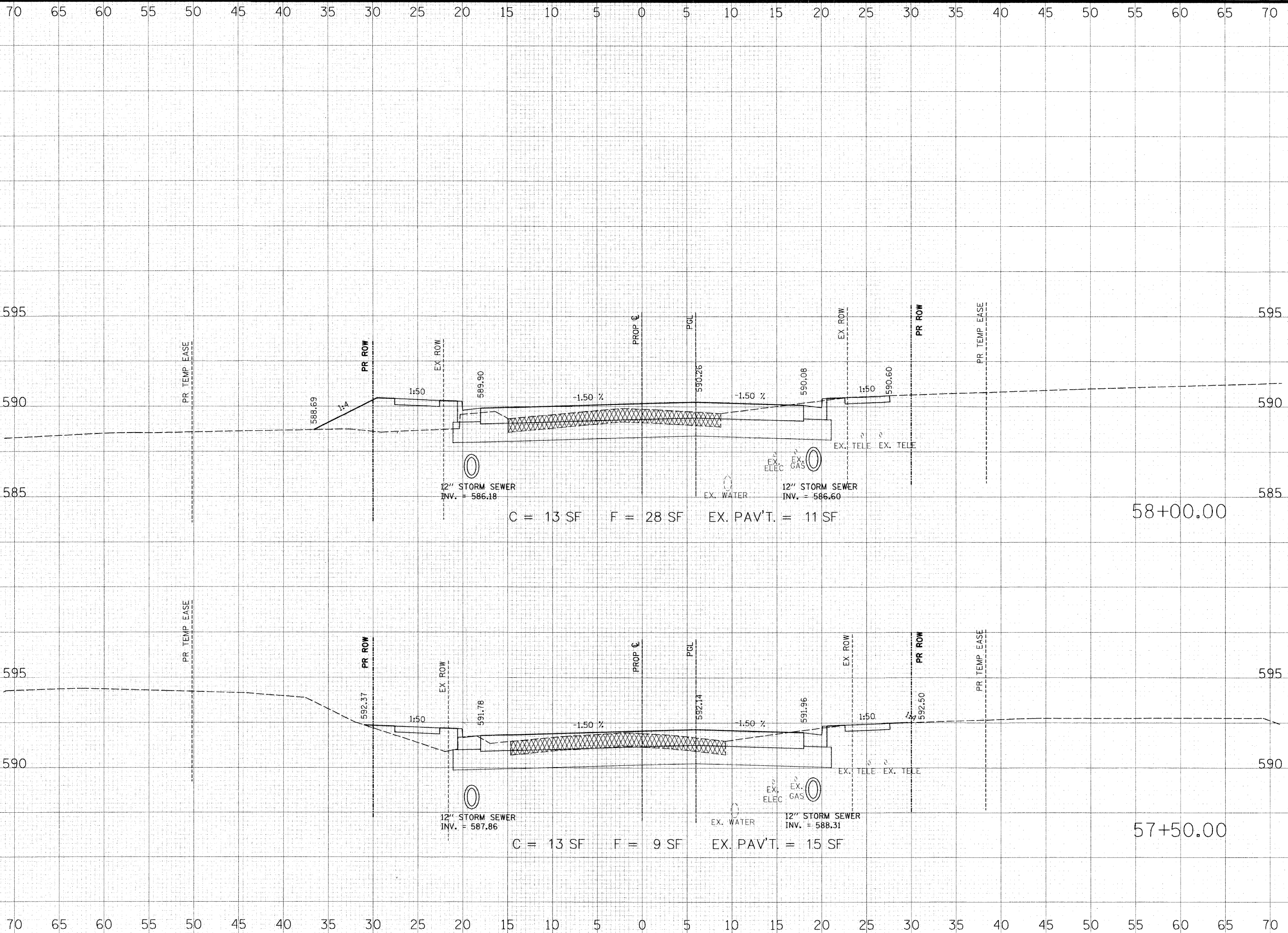
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 90
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION
APPROVED BY: SJK	HUNTWOOD ROAD RECONSTRUCTION
PROJECT NUMBER T20-030356	
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	043-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

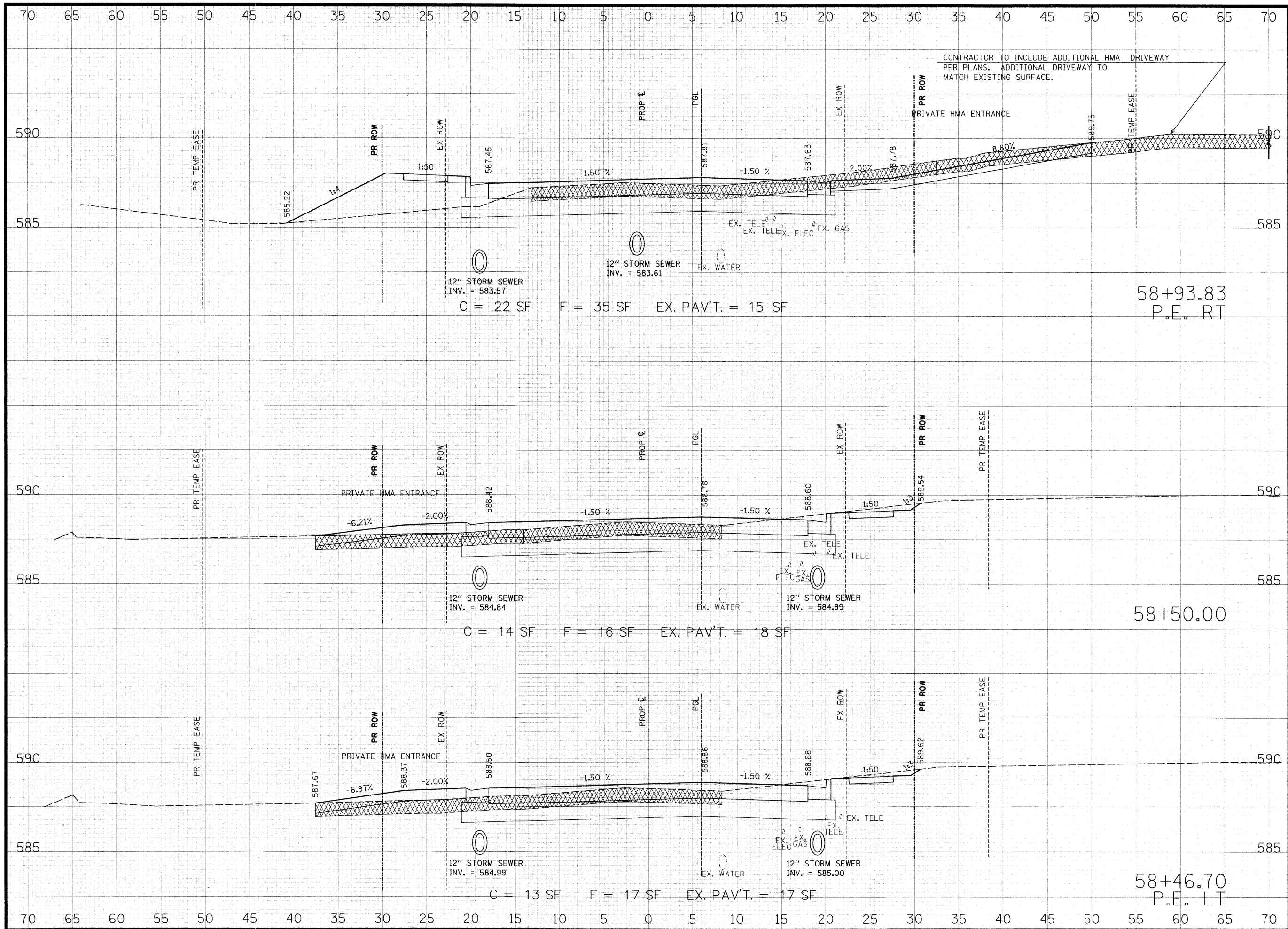
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 91
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION: HUNTWOOD ROAD RECONSTRUCTION
APPROVED BY: SJK	PROJECT NUMBER: T20-030356
<input type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING	



CONTRACTOR TO INCLUDE ADDITIONAL HMA DRIVEWAY PER PLANS. ADDITIONAL DRIVEWAY TO MATCH EXISTING SURFACE.

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-033370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

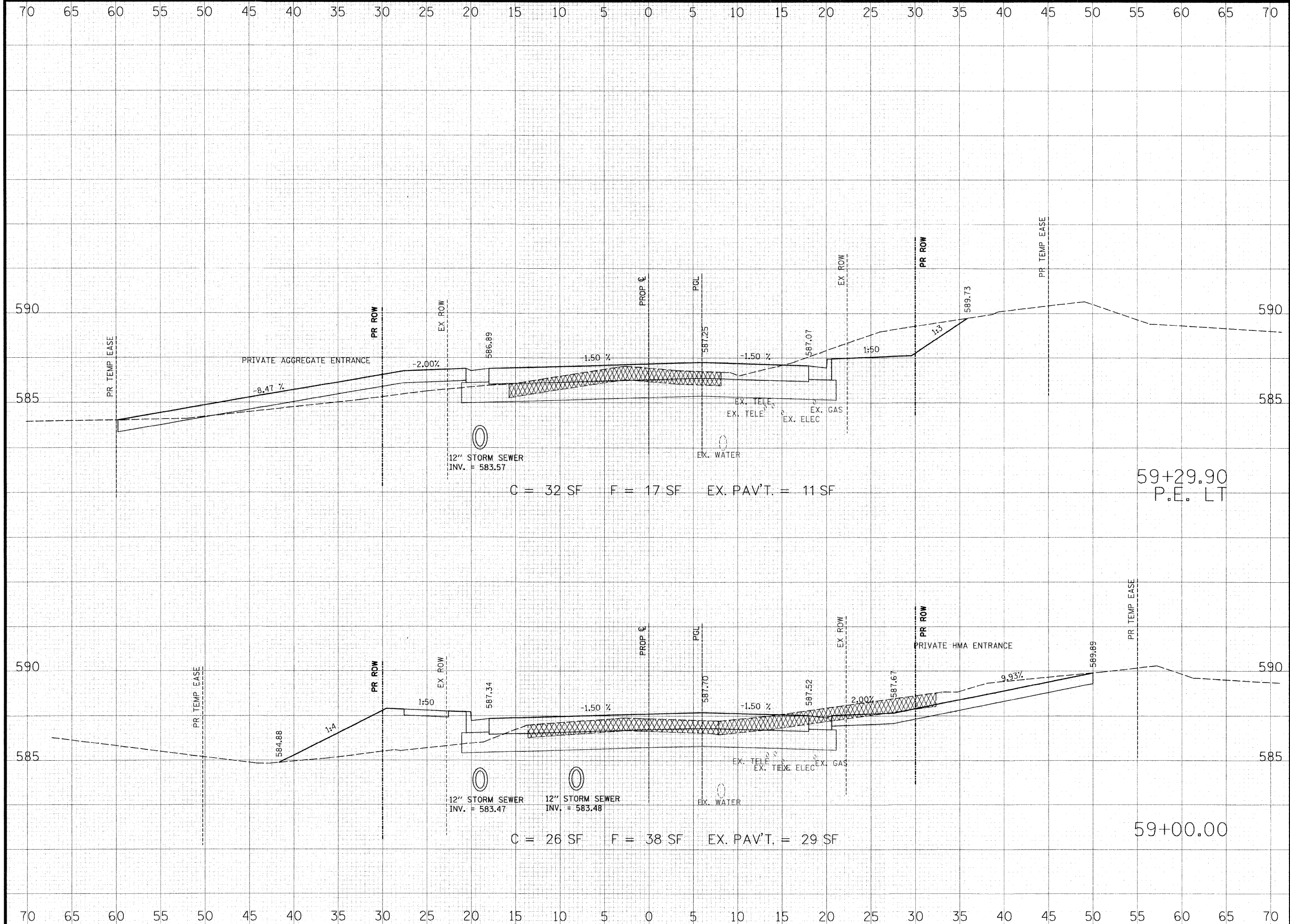
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

TITLE
HUNTWOOD ROAD CROSS SECTIONS

PROJECT:
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	JWS	SHEET
DESIGNED BY: <td>JWS</td> <td>92</td>	JWS	92
CHECKED BY: <td>SJK</td> <td>OF 104 SHEETS</td>	SJK	OF 104 SHEETS
APPROVED BY: <td>SJK</td> <td>PROJECT DESCRIPTION</td>	SJK	PROJECT DESCRIPTION
PROJECT NUMBER: <td>T20-030356</td> <td>HUNTWOOD ROAD RECONSTRUCTION</td>	T20-030356	HUNTWOOD ROAD RECONSTRUCTION
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	



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

- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date: _____
 Signature Date: _____

I hereby confirm that the document herein to be authenticated 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.

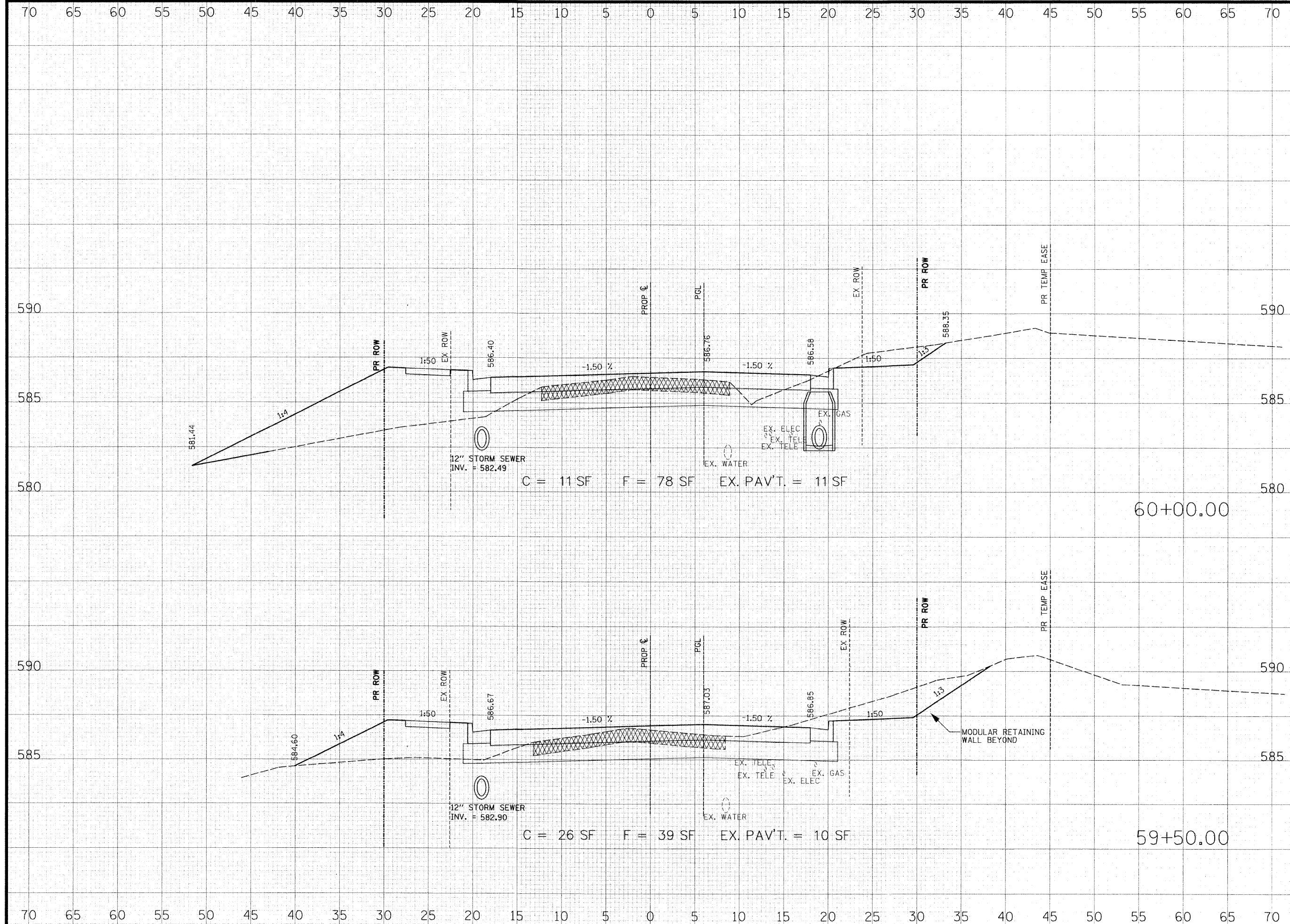
HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: **JWS** SHEET **93**
 DESIGNED BY: **JWS**
 CHECKED BY: **SJK** OF **104** SHEETS
 APPROVED BY: **SJK** PROJECT DESCRIPTION
 PROJECT NUMBER: **T20-030356** HUNTWOOD ROAD RECONSTRUCTION

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



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



- ☒ **CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twn-inc.com
- ☐ **EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twn-inc.com
- ☐ **ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twn-inc.com
- ☐ **WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twn-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-05370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

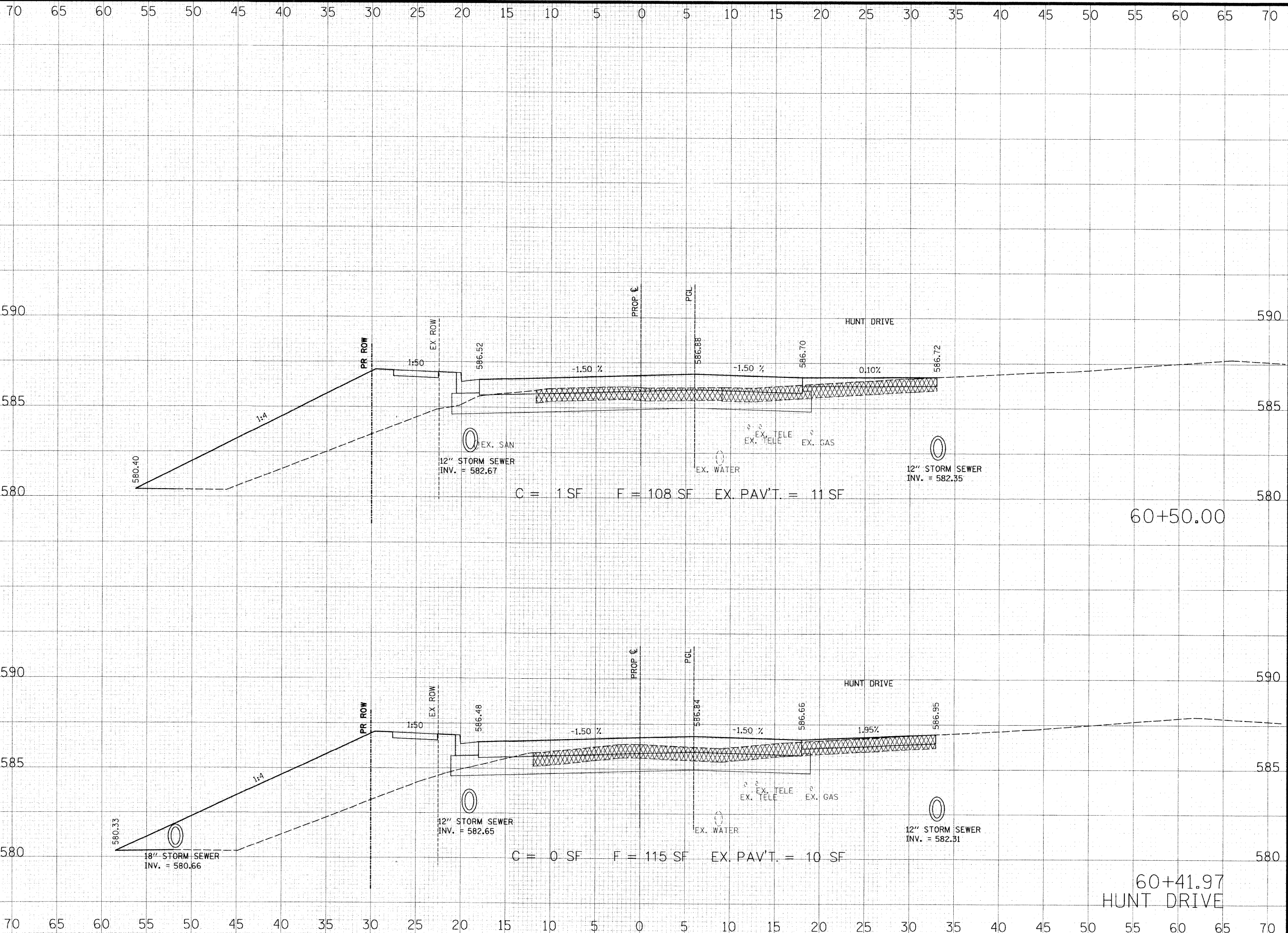
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	94
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	HUNTWOOD ROAD RECONSTRUCTION
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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



☒ **CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6888
 corp@twm-inc.com

☐ **EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com

☐ **ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com

☐ **WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date: _____
 Signature Date: _____

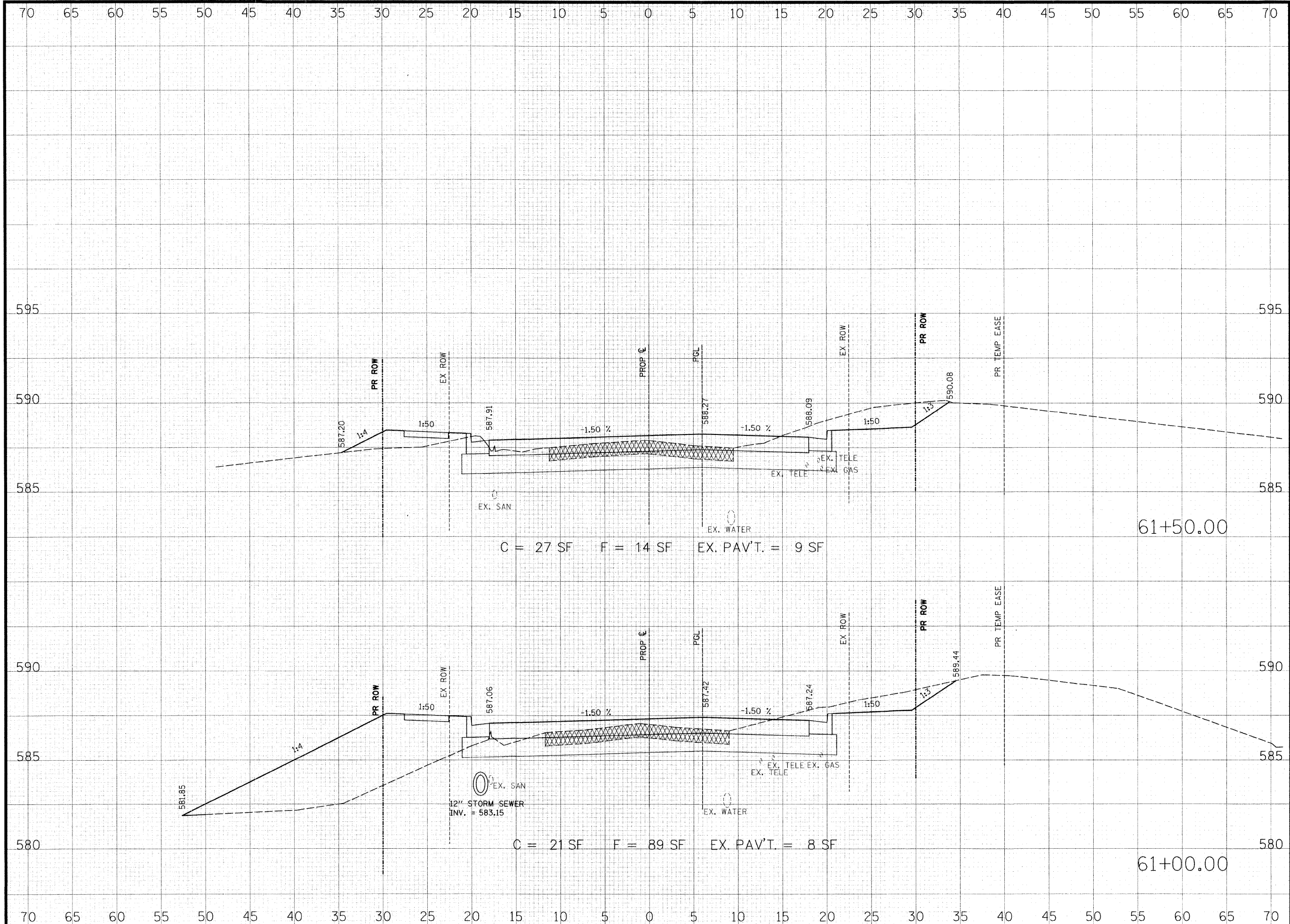
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 95
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION
APPROVED BY: SJK	HUNTWOOD ROAD RECONSTRUCTION
PROJECT NUMBER: T20-030356	
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



C = 27 SF F = 14 SF EX. PAV'T. = 9 SF

C = 21 SF F = 89 SF EX. PAV'T. = 8 SF

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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date: _____
Signature Date: _____

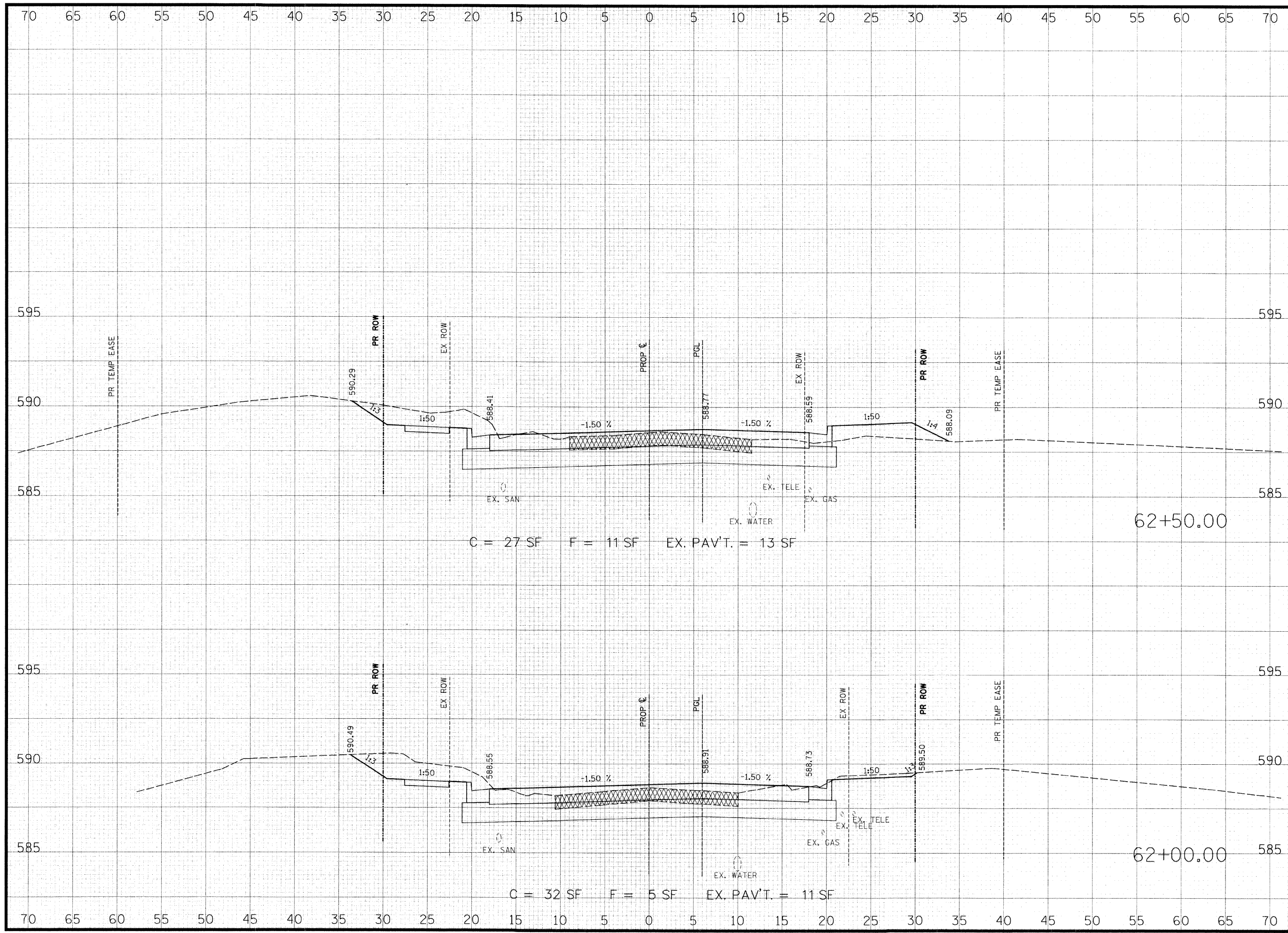
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD RECONSTRUCTION CROSS SECTIONS


HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	96
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	HUNTWOOD ROAD RECONSTRUCTION
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-033370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

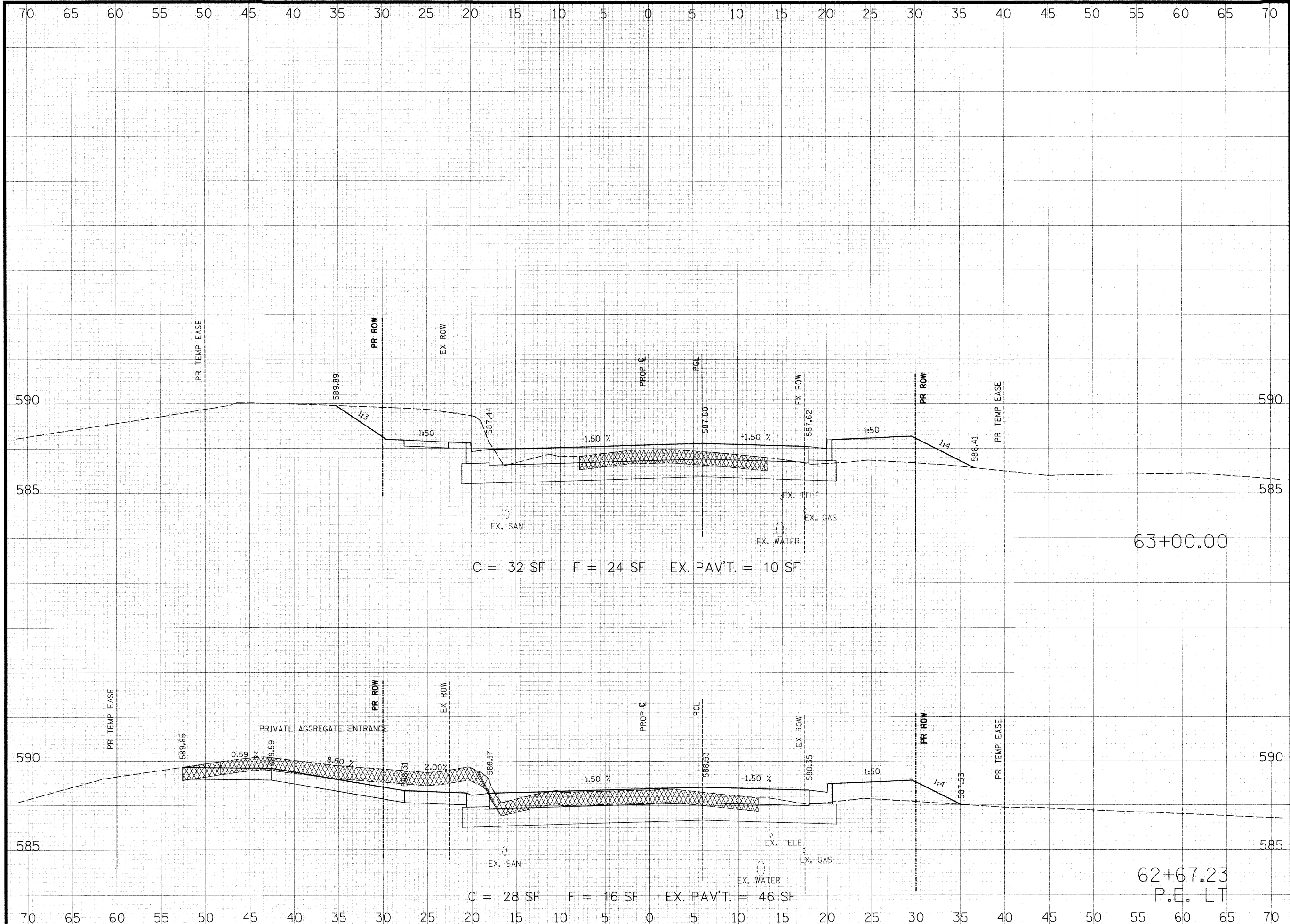
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

**HUNTWOOD ROAD
CROSS SECTIONS**

**HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY**

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	97
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	HUNTWOOD ROAD RECONSTRUCTION
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

I hereby confirm that the document herein to be authenticated 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.

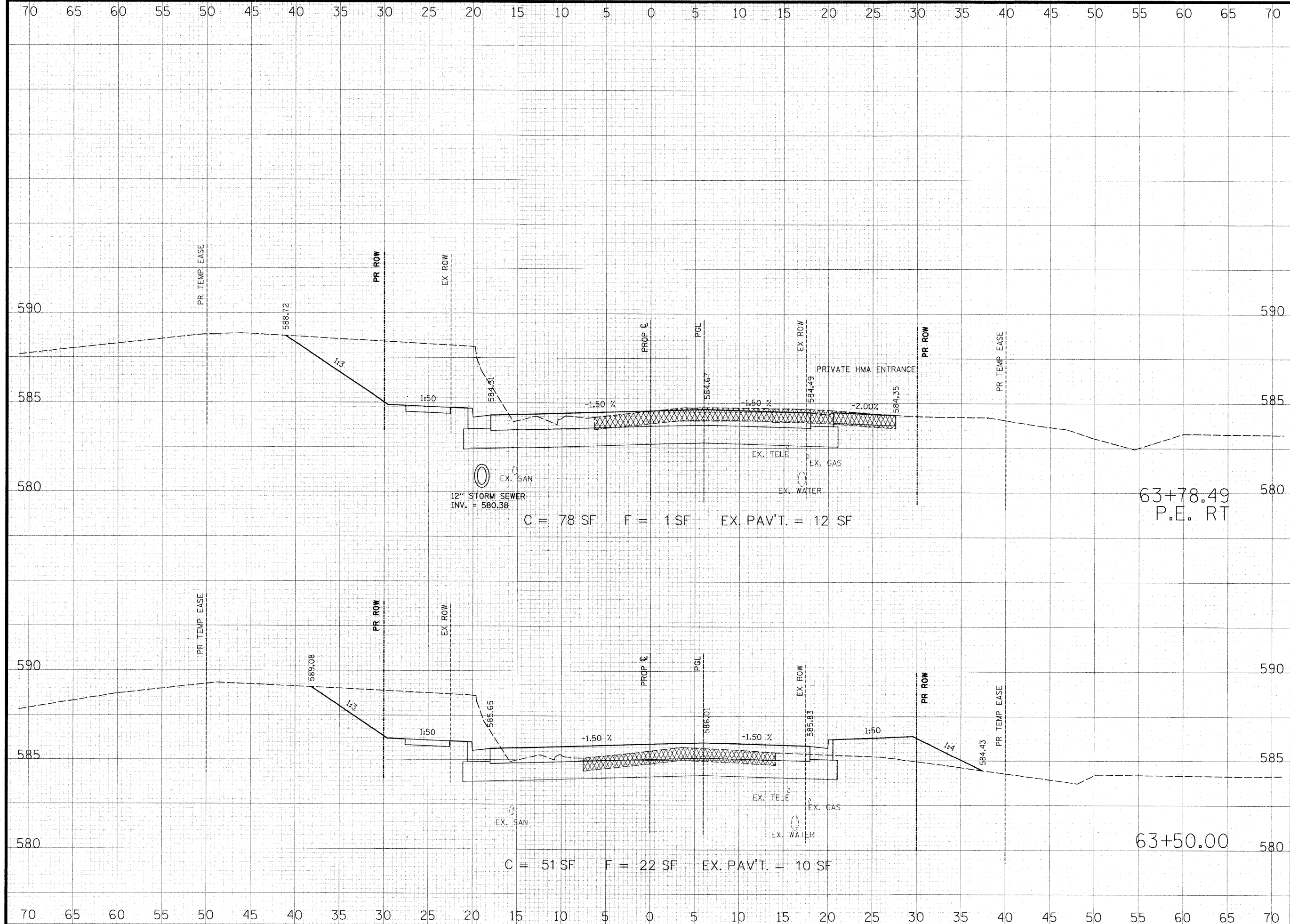
TITLE:
HUNTWOOD ROAD CROSS SECTIONS

PROJECT:
HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	JWS	SHEET
DESIGNED BY: <td>JWS</td> <td>98</td>	JWS	98
CHECKED BY: <td>SJK</td> <td>OF 104 SHEETS</td>	SJK	OF 104 SHEETS
APPROVED BY: <td>SJK</td> <td>PROJECT DESCRIPTION</td>	SJK	PROJECT DESCRIPTION
PROJECT NUMBER: <td>T20-030356</td> <td>HUNTWOOD ROAD RECONSTRUCTION</td>	T20-030356	HUNTWOOD ROAD RECONSTRUCTION
<input type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING		

62+67.23
P.E. LT



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



- ☑ **CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- ☐ **EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ☐ **ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- ☐ **WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
 Signature Date:

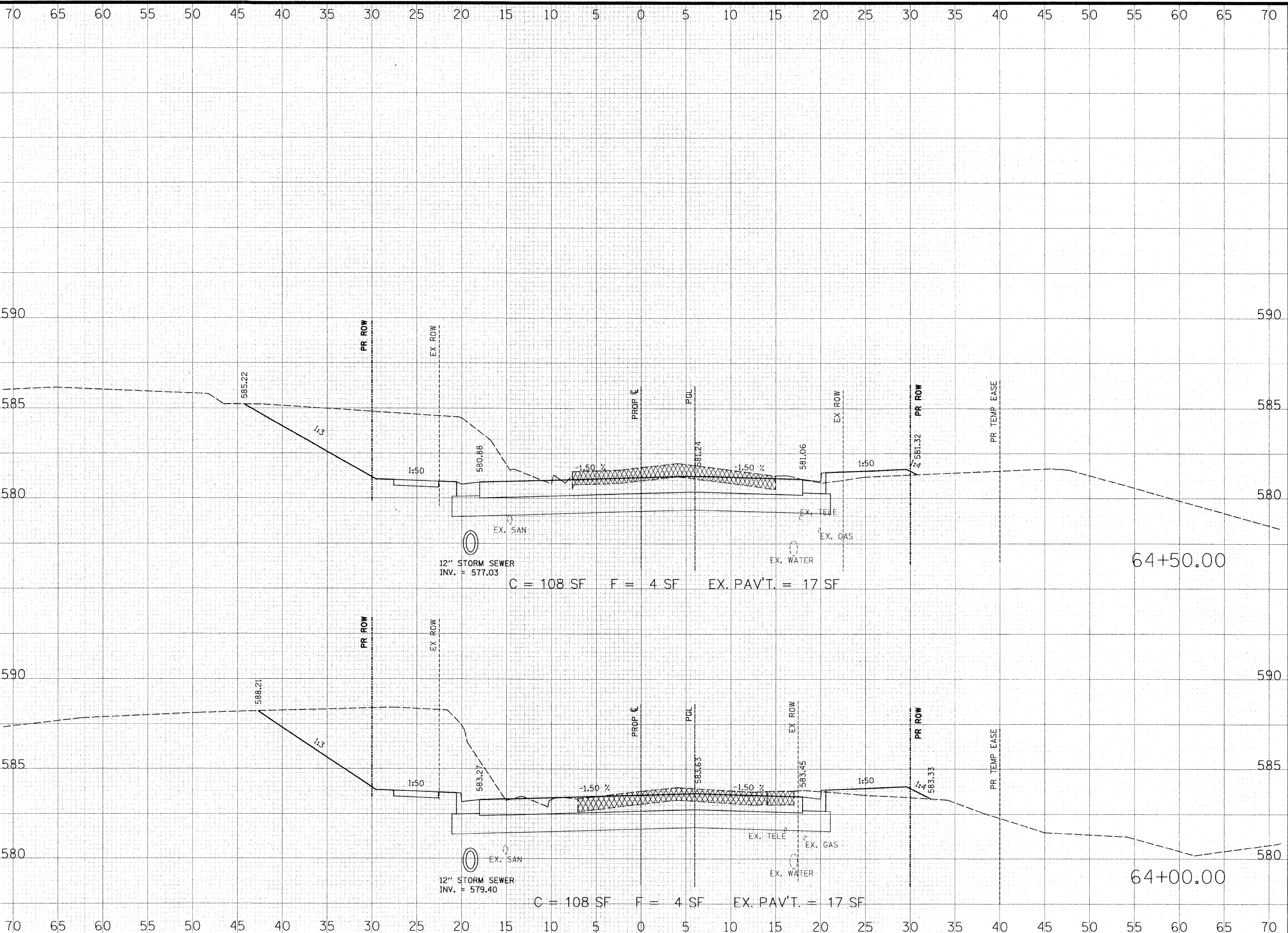
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 99
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION
APPROVED BY: SJK	HUNTWOOD ROAD RECONSTRUCTION
PROJECT NUMBER T20-030356	
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
10158 CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 238-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

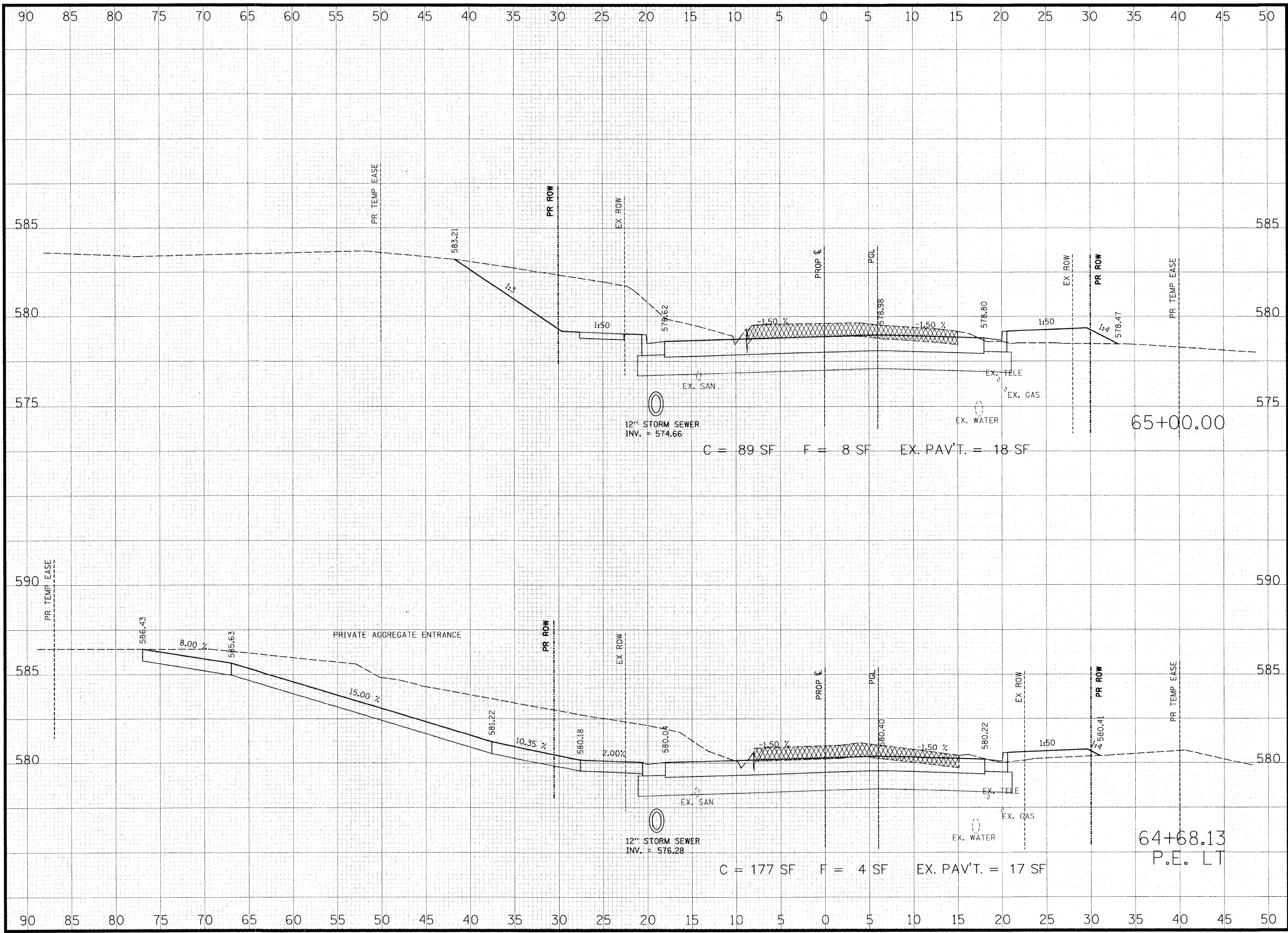
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

**HUNTWOOD ROAD
CROSS SECTIONS**

**HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY**

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	100
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	HUNTWOOD ROAD RECONSTRUCTION
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



C = 89 SF F = 8 SF EX. PAV'T. = 18 SF

C = 177 SF F = 4 SF EX. PAV'T. = 17 SF

**THOUVENOT,
WADE &
MOERCHEN, INC.**
ENGINEERS • SURVEYORS • PLANNERS



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

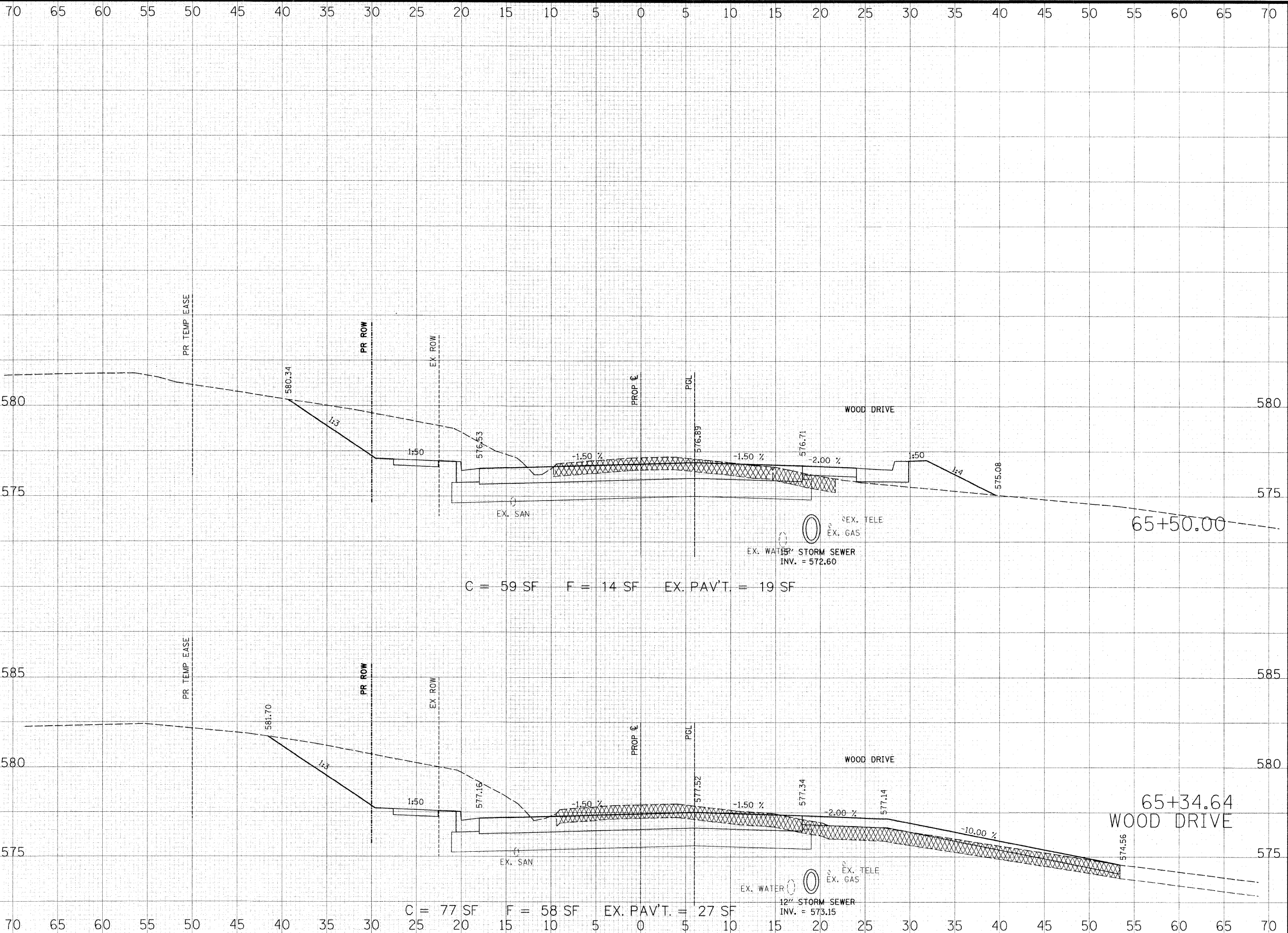
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

**HUNTWOOD ROAD
CROSS SECTIONS**

**HUNTWOOD ROAD RECONSTRUCTION
VILLAGE OF SWANSEA
ST. CLAIR COUNTY**

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	101
CHECKED BY: SJK	OF 104 SHEETS
APPROVED BY: SJK	PROJECT DESCRIPTION
PROJECT NUMBER: T20-030356	HUNTWOOD ROAD RECONSTRUCTION
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 10156 CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date: _____
 Signature Date: _____

I hereby confirm that the document herein to be authenticated 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.

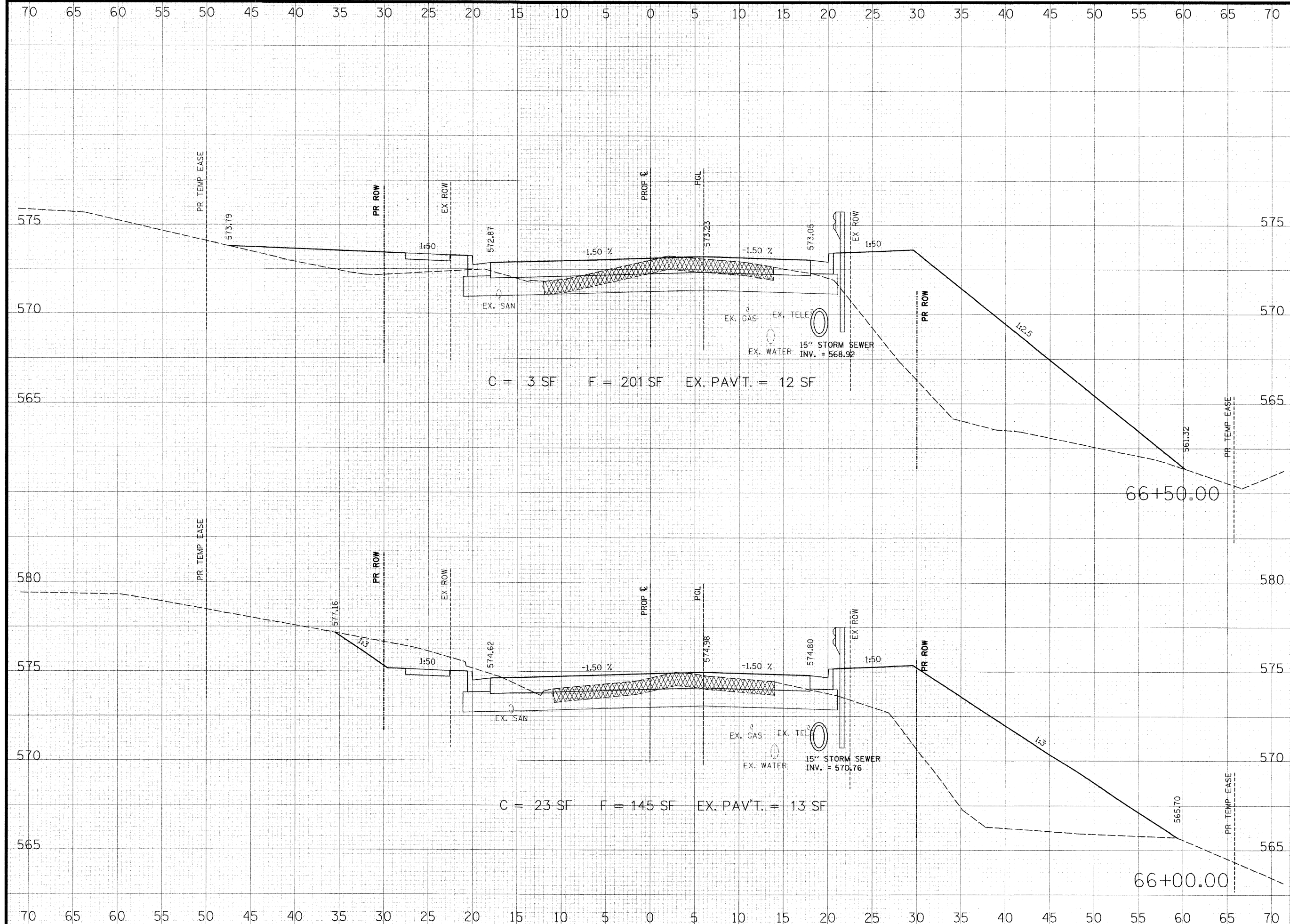
TITLE
 HUNTWOOD ROAD CROSS SECTIONS

PROJECT:
 HUNTWOOD ROAD RECONSTRUCTION
 VILLAGE OF SWANSEA
 ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	JWS	SHEET
DESIGNED BY: <td>JWS</td> <td>102</td>	JWS	102
CHECKED BY: <td>SJK</td> <td>OF 104 SHEETS</td>	SJK	OF 104 SHEETS
APPROVED BY: <td>SJK</td> <td>PROJECT DESCRIPTION</td>	SJK	PROJECT DESCRIPTION
PROJECT NUMBER: <td>T20-030356</td> <td>HUNTWOOD ROAD RECONSTRUCTION</td>	T20-030356	HUNTWOOD ROAD RECONSTRUCTION

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



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



- ☒ **CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
- ☐ **EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ☐ **ST. LOUIS OFFICE**
1001 CRAIC ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- ☐ **WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

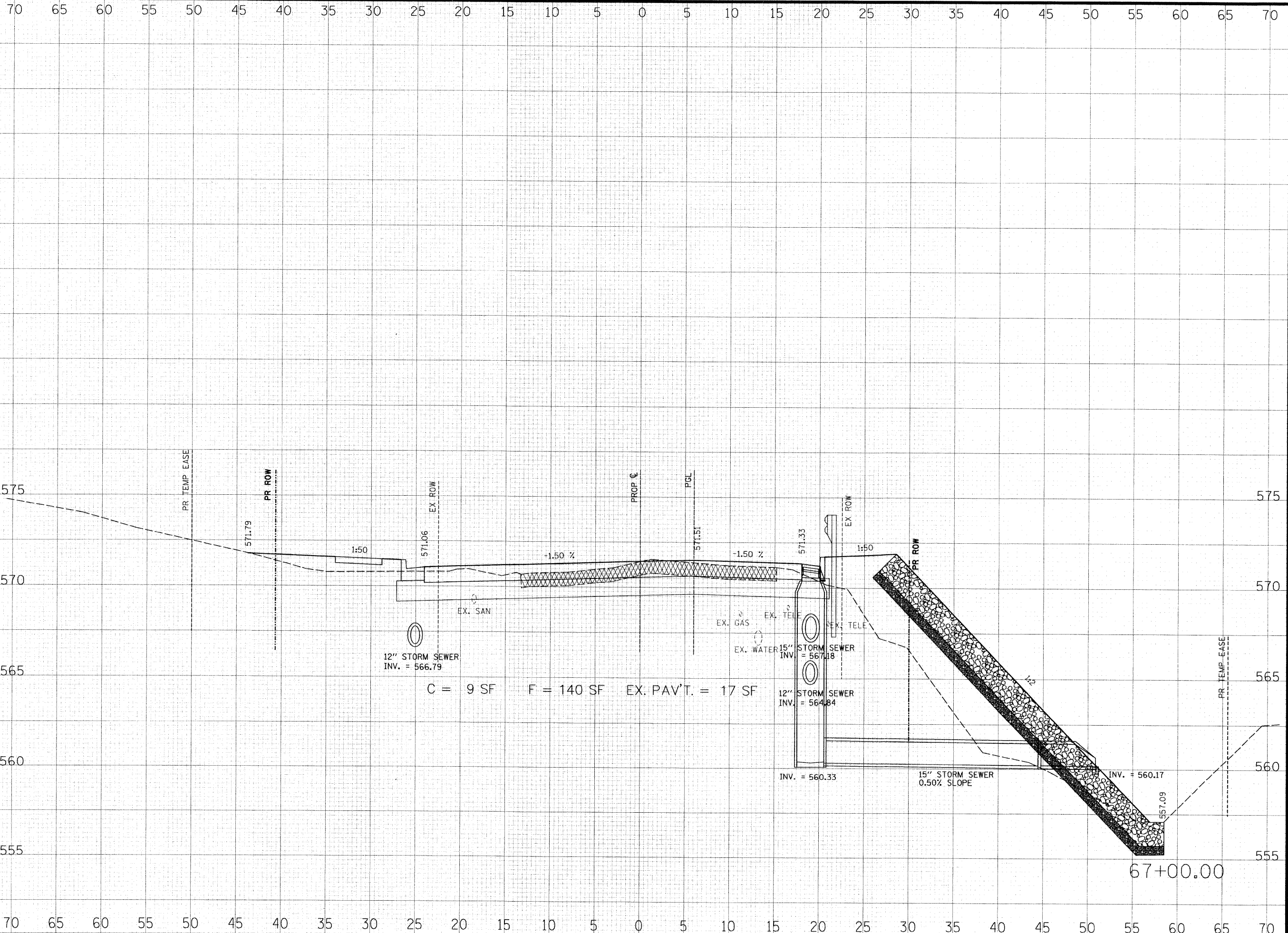
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the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

HUNTWOOD ROAD CROSS SECTIONS

HUNTWOOD ROAD RECONSTRUCTION VILLAGE OF SWANSEA ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 103
DESIGNED BY: JWS	OF 104 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION: HUNTWOOD ROAD RECONSTRUCTION
APPROVED BY: SJK	PROJECT NUMBER: T20-030356
<input type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING	



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



- CORPORATE OFFICE**
 4940 OLD COLLINSVILLE RD.
 SWANSEA, ILLINOIS 62226
 TEL (618) 624-4488
 FAX (618) 624-6688
 corp@twm-inc.com
- EDWARDSVILLE OFFICE**
 1015B CENTURY DRIVE
 EDWARDSVILLE, ILLINOIS 62025
 TEL (618) 656-4040
 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
 1001 CRAIG ROAD, SUITE 260
 ST. LOUIS, MISSOURI 63146
 TEL (314) 236-5052
 FAX (314) 872-2194
 stlouis@twm-inc.com
- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

I hereby confirm that the document herein to be authenticated 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.

**HUNTWOOD ROAD RECONSTRUCTION
 CROSS SECTIONS**
 HUNTWOOD ROAD RECONSTRUCTION
 VILLAGE OF SWANSEA
 ST. CLAIR COUNTY

REV.	DATE	DESCRIPTION

DRAWN BY: **JWS**
 DESIGNED BY: **JWS**
 CHECKED BY: **SJK**
 APPROVED BY: **SJK**

SHEET **104**
 OF **104** SHEETS

PROJECT DESCRIPTION: HUNTWOOD ROAD RECONSTRUCTION
 PROJECT NUMBER: **T20-030356**

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