

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	1
FEDERAL AID PROJECT		CONTRACT NO. 97620	

FOR UTILITY LOCATION PURPOSES, THIS PROJECT IS LOCATED IN NORTHEAST QUARTER OF SECTION 4, TOWNSHIP 4 NORTH, RANGE 9 WEST OF THE 3RD PRINCIPAL MERIDIAN.

ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.E. (800) 892-0123 OR FOR NON-MEMBERS, UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- | | |
|---|--|
| <p>WATER AND SANITARY SEWER:
HARTFORD PUBLIC WORKS DEPT.
140 WEST HAWTHORNE
HARTFORD, IL 62048
(618) 251-2680</p> <p>AT&T
203 GOETHE
COLLINSVILLE, IL 62234
(618) 346-6400</p> <p>GAS:
AMEREN ILLINOIS
2600 N. CENTER STREET
MARYVILLE, IL 62062
(618) 346-1244</p> | <p>ELECTRIC:
AMEREN ILLINOIS
700 OAKWOOD AVENUE
ALTON, IL 62002
(800) 325-7002</p> <p>CHARTER COMMUNICATIONS
4767 SIGNATURE INDUSTRIAL DRIVE
EDWARDSVILLE, IL 62025
(618) 307-5730</p> <p>CRUDE OIL PIPELINE:
ENBRIDGE ENERGY COMPANY, INC.
MID-CONTINENT REGION
8 CHAMBER DRIVE
WASHINGTON, MO 63090
(636) 239-5266</p> |
|---|--|

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FEDERAL AID PROJECT
CENTRAL AVENUE SIDEWALKS

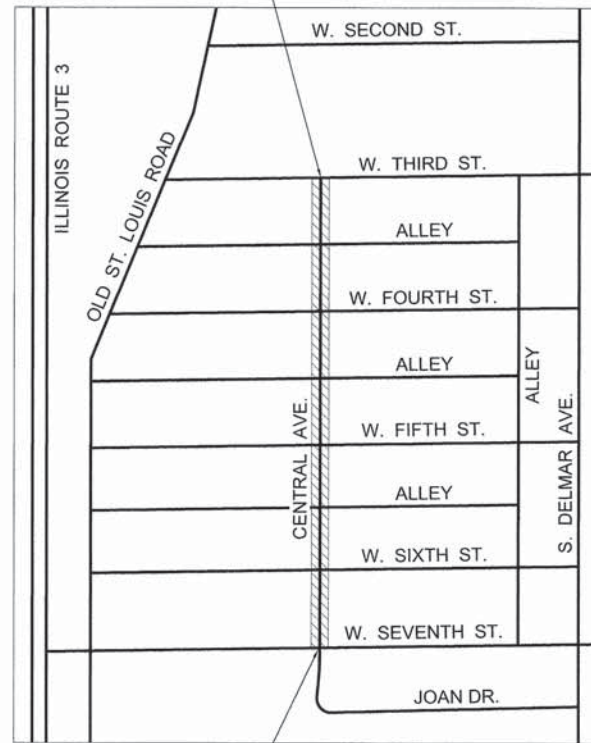
SECTION 15-00032-00-SW
FEDERAL PROJECT NO. TE00D8(209)
VILLAGE OF HARTFORD
MADISON COUNTY
JOB C-98-307-15



INDEX TO SHEETS

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PROJECT ENDS
STA. 11+93.43



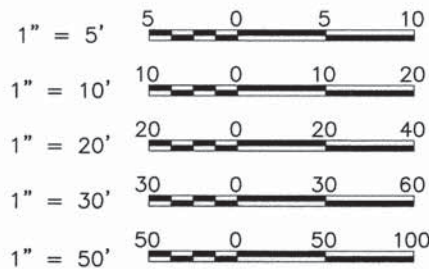
PROJECT BEGINS
STA. 1+07.30

LOCATION MAP

NOT TO SCALE

LENGTH OF PROJECT = 1,086.13 FEET = 0.206 MILES

SCALES



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.

2016 ADT = 100
% TRUCKS = LESS THAN 1
FUNCTIONAL CLASSIFICATION: LOCAL STREET
DESIGN SPEED = 25 M.P.H.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION - DIVISION OF HIGHWAYS	
APPROVED	3/15/16 20
James W. Stearns VILLAGE OF HARTFORD, MAYOR	
PASSED	3/11/16 20
District 8 Engineer of Local Roads & Streets	
APPROVED	3/11/16 20
Jeffrey L. Keirn, P.E. DEPUTY DIRECTOR OF HIGHWAYS REGION FIVE ENGINEER	
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	

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THE STATE OF ILLINOIS



Larry D. Anderson

DATE SIGNED 3/15/16
EXPIRATION DATE 11/30/17

SMS ENGINEERS Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, P.O. Box E, Alton, IL 62002 618/462-9755 E-mail: mail@smsengineers.com
10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618/977-8700 E-mail: mail@smsengineers.com
DESIGN FIRM # 184-000992

Q:\CIVIL_3D PROJECTS\HARTFORD (448881.0) CENTRAL AVE SIDEWALK T&P\Production Drawings\1 COVER SHEET.dwg, 3/15/2016 11:51:09 AM, jman, 1:1

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	2
FEDERAL AID PROJECT		CONTRACT NO. 97620	

GENERAL NOTES

- THIS PROJECT SHALL BE CONSTRUCTED ACCORDING TO THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016 AND THE SPECIAL PROVISIONS OF THE PROJECT CONTRACT.
- EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE.
- ALL ELEVATIONS REFER TO NATIONAL GEODETIC SURVEY (N.G.S.) DATUM.
- PROPOSED ELEVATIONS SHOWN ON THE PLANS AS ± ARE APPROXIMATE, EXACT ELEVATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. IF APPLICABLE, ELEVATIONS SHALL BE DETERMINED PRIOR TO FABRICATION OF THE DRAINAGE STRUCTURES.
- FOR SIMPLICITY, STORM SEWER LENGTHS SHOWN ON THE PLANS ARE FROM CENTER TO CENTER OF STRUCTURES. ACTUAL PIPE REQUIRED WILL BE LESS. MEASUREMENT FOR PAYMENT PURPOSES SHALL BE ACCORDING TO ARTICLE 550.09 OF THE STANDARD SPECIFICATIONS.
- PLAN QUANTITIES FOR HOT-MIX ASPHALT ITEMS WERE CALCULATED BASED ON USING 112 LBS. / SQ. YD. / IN.
- PLAN QUANTITIES FOR BITUMINOUS MATERIALS (PRIME COAT) WERE BASED ON USING 0.05 LBS./SQ. FT. FOR CONCRETE, H.M.A. AND OIL & CHIP SURFACES. AGGREGATE BASES SHALL BE PRIMED USING 0.25 LBS./SQ. FT.
- PLAN QUANTITIES FOR AGGREGATE FOR TEMPORARY ACCESS, AND ROCK FILL-SUBGRADE WERE CALCULATED BASED ON USING 2.05 TONS/CU. YD.
- ALL PROPOSED STORM SEWERS THAT ARE NOT REQUIRED TO BE WATER MAIN QUALITY PIPE SHALL BE REINFORCED CONCRETE CULVERT, STORM DRAIN AND SEWER PIPE.
- THE QUANTITY SHOWN FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, ROCK FILL-SUBGRADE, AND AGGREGATE BASE REPAIR ARE ESTIMATES. THE ENGINEER SHALL DETERMINE ANY AREAS REQUIRING THESE MATERIALS ONCE THE SUBGRADE IS ESTABLISHED.
- REMOVAL OF ALL SIGNS, POSTS, AND CONCRETE FOUNDATIONS FOR THE POSTS SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE.
- PRIOR TO BEGINNING ANY WORK ON WATER RELATED ITEMS, THE CONTRACTOR SHALL CONTACT MR. DANA DANIELS WITH THE VILLAGE OF HARTFORD WATER DEPARTMENT AND ARRANGE FOR A FIELD REVIEW WITH THE RESIDENT ENGINEER.

COMMITMENTS

- ALL AREAS DISTURBED IN THE TCE ALONG THE MOORE FAMILY TRUST PROPERTY, RT. STA. 6+03 TO RT. STA. 7+28 SHALL BE SEEDED WITH ZOYSIA.
- PRIOR TO BEGINNING ANY WORK ON THE PROPERTY OWNED BY VIRGIL AND MARCY ELLIS, RT. STA. 1+15 TO RT. STA. 2+58, 118 W. SIXTH STREET, THE CONTRACTOR SHALL NOTIFY THEM 24 HOURS IN ADVANCE IN PERSON. THE ELLIS' HAVE DOGS THAT ARE ABLE TO RUN NEXT TO THE EXISTING CHAIN LINK FENCE. MR. ELLIS' PHONE NUMBER IS 618-610-6573 AND MRS. ELLIS' PHONE NUMBER IS 618-610-6597.
- PRIOR TO BEGINNING ANY WORK ON THE PROPERTY OWNED BY RONALD AND JANET FITZHUGH, RT. STA. 10+58 TO RT. STA. 11+83, 116 W. THIRD STREET, THE CONTRACTOR SHALL CONTACT MR. FITZHUGH AT 618-259-7596 AND SCHEDULE AN ON-SITE MEETING WITH MR. FITZHUGH AND THE RESIDENT ENGINEER. MR. AND MRS. FITZHUGH'S DAUGHTER LIVES ON THE PROPERTY WHILE THE FITZHUGH'S LIVE AT 988 CEDAR DRIVE, WOOD RIVER, IL 62095. MR. FITZHUGH WOULD LIKE TO DISCUSS THE GRADING OF THE PROPERTY AND THE PLACEMENT OF THE TEMPORARY FENCE. MR. FITZHUGH'S DAUGHTER HAS A DOG THAT IS ABLE TO RUN NEXT TO THE EXISTING CHAIN LINK FENCE.
- RONALD AND JANET FITZHUGH'S TEMPORARY CONSTRUCTION EASEMENT SHALL BE USED TO ASSIST THE CONSTRUCTION OF CENTRAL AVENUE. AT NO TIME SHALL IT BE USED FOR EQUIPMENT AND/OR MATERIAL STORAGE, PARKING, OR FOR A CONSTRUCTION STAGING AREA.
- CONCRETE SEALER FOR CONCRETE DRIVEWAYS SHALL BE USED ON THE NEW CONCRETE ENTRANCE LOCATED RT. STA. 3+67.30. IT SHALL COVER THE AREA FROM THE BACK OF THE PROPOSED CONCRETE CURB AND GUTTER TO THE EDGE OF THE NEW DRIVEWAY PAVEMENT.
- THE PROPOSED LANDSCAPE GRAVEL SHALL MATCH THE EXISTING LANDSCAPE GRAVEL LOCATED RT. STA. 10+58 TO RT. STA. 10+73.
- FIVE (5) EXISTING SHRUBS ARE TO BE REMOVED AND REPLANTED. THEY ARE LOCATED LT. STA. 6+60 TO LT. STA. 7+23. IN THE SAME AREA THE EXISTING WOOD PRIVACY FENCE IS TO BE REMOVED AND REPLACED WITH A NEW WOOD PRIVACY FENCE. THE CONTRACTOR SHALL CONTACT THE PROPERTY OWNER'S DAUGHTER, MS. JERRI LYNN MCCLURE, 618-254-5642, AND MEET MS. MCCLURE IN PERSON AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION OF THESE ITEMS.
- THE ENTRANCE LOCATED AT THE SOUTHWEST CORNER OF CENTRAL AVENUE AND W. SIXTH STREET SHALL BE STAGED WHEN REMOVED AND REPLACED TO ALLOW THE OWNER ACCESS TO HIS/HER GARAGE.
- THE EXISTING CONCRETE PLANTER LOCATED LT. STA. 5+47 SHALL NOT BE DISTURBED BY THE CONTRACTOR'S ACTIVITIES.
- THE EXISTING YARD DRAIN LOCATED RT. STA. 8+45 SHALL BE EXTENDED TO THE FACE OF THE PROPOSED CURB AND GUTTER. IT SHALL PASS UNDER THE SIDEWALK AND EXIT TO A CAST IRON OUTLET THAT FITS THE SHAPE OF THE PROPOSED CURB.
- EXISTING CRACKING WAS OCCURRING AT THE EXISTING CONCRETE ENTRANCE LOCATED RT. STA. 7+91.55. THE CONTRACTOR SHALL EXTEND THE LIMITS OF THE REMOVAL AND REPLACEMENT OF THE DRIVEWAY PAVEMENT IF THE CRACKING SPREADS PAST THE LIMITS SHOWN ON THE PLANS. APPROVAL FROM THE PROPERTY OWNER WILL NEED TO BE OBTAINED IF THE CRACKING EXTENDS PAST THE TEMPORARY CONSTRUCTION EASEMENT AT THE TIME OF CONSTRUCTION.
- ADDITIONAL GRADING MAY BE REQUIRED WITHIN THE EXISTING TEMPORARY CONSTRUCTION EASEMENT JUST NORTH OF THE NEW ENTRANCE LOCATED LT. STA. 10+66.50. THE CONTRACTOR SHALL WORK WITH THE PROPERTY OWNER TO OBTAIN A SATISFACTORY SLOPE.

GENERAL LEGEND

— — — — —	CENTERLINE OF PROPOSED IMPROVEMENT	□	EXISTING INLET
— R.O.W. —	EXISTING RIGHT-OF-WAY LINE	===	EXISTING PIPE CULVERT
— R.O.W. —	PROPOSED RIGHT-OF-WAY LINE	→ → →	EXISTING SANITARY SEWER
— T.C.E. —	TEMPORARY CONSTRUCTION EASEMENT	→ → →	EXISTING STORM SEWER
— P —	PROPERTY LINE	— W — W —	EXISTING WATER LINE
— S.L. —	SECTION LINE	— G — G —	EXISTING GAS LINE
— 1/2 S.L. —	1/2 SECTION LINE	— T — T —	EXISTING TELEPHONE LINE
○ I.P.	IRON PIPE FOUND	— F — F —	EXISTING FIBER OPTIC CABLE
● I.P.	IRON PIPE SET	— E — E —	EXISTING ELECTRIC CABLE
□ MON.	MONUMENT FOUND	— P — P —	EXISTING PIPE LINE
■	PROPOSED R.O.W. MONUMENT	▨	SIDEWALK TO BE REMOVED
x x x	FENCE	○ 18"	18" TREE
— — — — —	EDGE OF EXISTING FEATURES	●	SOIL BORING LOCATION
- - - - -	CONSTRUCTION LIMITS	—	PROPOSED DITCH
- - - - -	EXISTING DITCH	●	PROPOSED MANHOLE
⊕	UTILITY POLE	■	PROPOSED INLET
⊕ →	UTILITY POLE W/ DOWN GUY	→ → →	PROPOSED STORM SEWER
⊗	LIGHT POLE	⊗	PROPOSED INLET / PIPE PROTECTION
⊠	GAS METER	—	PROPOSED PERIMETER EROSION BARRIER
⊙	WATER METER	(437.20)	EXISTING SPOT ELEVATION
⊕	FIRE HYDRANT	437.00	PROPOSED SPOT ELEVATION
⊕	PROPOSED FIRE HYDRANT	▬	PROPOSED DEPRESSED CURB
⊗	WATER OR GAS VALVE	▬	PROPOSED HOT-MIX-ASPHALT SURFACING
△	TELEPHONE PEDESTAL	▨	PROPOSED DETECTABLE WARNING
⊕	EXISTING SIGN		
⊕	PROPOSED SIGN		
□ MB	MAIL BOX		
⊙	EXISTING MANHOLE		
△ ¹	CONTROL POINT		

ABBREVIATIONS

- T.C. — TOP OF CURB
- E.P. — EDGE OF PAVEMENT
- F.L. — FLOW LINE
- F. & G. — FRAME AND GRATE
- O.L. — OPEN LID
- C.L. — CLOSED LID
- SS1 — STORM SEWER TYPE 1
- T.B. — TRENCH BACKFILL
- C — EARTH EXCAVATION QUANTITY SHOWN ON CROSS SECTIONS
- F — EMBANKMENT QUANTITY SHOWN ON CROSS SECTIONS

HIGHWAY STANDARDS

280001-07	604051-04
424001-08	604071-05
424006-02	606001-06
424011-02	664001-02
424016-02	701301-04
424021-03	701501-06
442201-03	701801-06
602301-04	701901-05
602306-03	720001-01
602401-03	720006-04
602406-07	720011-01
602601-04	729001-01
602701-02	780001-05
604036-03	

MIX DESIGNS

MIXTURE USE AC/PG RAP% (MAX.) DESIGN AIR VOIDS MIX COMPOSITION FRICTION AGG.	SURFACE, INCIDENTAL SURFACING PG 64-22 10% 4.0% ⊕ NDES=70 MIX C
MIXTURE USE AC/PG RAP% (MAX.) DESIGN AIR VOIDS MIX COMPOSITION FRICTION AGG.	LEVELING BINDER, INCIDENTAL SURFACING PG 64-22 15% 4.0% ⊕ NDES=70 IL-9.5 MIX C
MIXTURE USE AC/PG RAP% (MAX.) DESIGN AIR VOIDS MIX COMPOSITION FRICTION AGG.	BINDER (CLASS D PATCHES) PG 64-22 15% 4.0% ⊕ NDES=70 IL-19.0 ---

BENCHMARKS

CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM #1	788,102.400	2,316,144.393	432.215	"O" IN "OPEN" — TOP OF FH
BM #2	787,793.749	2,316,128.637	430.896	"M" IN "MUELLER" — TOP OF FH
BM #3	787,430.905	2,316,158.670	430.220	R/R SPIKE IN POWER POLE
BM #4	787,174.720	2,316,101.204	431.715	R/R SPIKE IN POWER POLE

SURVEY CONTROL POINTS

CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP #1000	788,095.701	2,316,154.937	429.845	CUT "X" ON TOP OF CURB
CP #1001	787,781.289	2,316,120.945	428.915	REBAR w/ SMS CAP
CP #1002	787,422.480	2,316,153.938	429.715	REBAR w/ SMS CAP
CP #1003	787,138.385	2,316,147.456	430.325	COTTON SPINDLE
CP #1004	786,992.074	2,316,117.352	432.029	REBAR w/ SMS CAP

REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
ENGINEERS
215 Market Street P.O. Box E, Alton, IL 62002 618/462-2755 E-mail: smssms@smssms.com
10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618/977-6700 E-mail: ms@smssms.com
DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
SECTION 15-00032-00-SW
VILLAGE OF HARTFORD
GENERAL NOTES, HIGHWAY STANDARDS,
MIX DESIGNS, LEGEND & CONTROL POINTS

DWG. NO.
G:\HARTFORD\CENTRAL
AVE\2 GENERAL NOTES.DWG
REF. BK. 6044 PG. 18
JOB NO. 448881
DSN. BY: LDA
DWN. BY: CAD
CHK. BY: LDA
DATE: MARCH, 2016
SCALE: NOT TO SCALE
SHEET 2 OF 29

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	ROADWAY	SIDEWALKS
				100% LOCAL	100% LOCAL	80% FED 20% LOCAL
				STA. 1+07.30 TO STA. 2+98.50	STA. 2+98.50 TO STA. 11+93.43	STA. 2+98.50 TO STA. 11+93.43
CONSTRUCTION TYPE CODE			0004	0004	0028	
20200100	EARTH EXCAVATION	CU YD	807	72	735	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	50	10	40	
20800150	TRENCH BACKFILL	CU YD	519	26	412	81
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	150	30	120	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	169	21	15	133
21400100	GRADING AND SHAPING DITCHES	FOOT	68		68	
* 25000115	SEEDING, CLASS 1B	ACRE	0.28	0.03		0.25
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	26	3		23
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	26	3		23
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	26	3		23
* 25000700	AGRICULTURAL GROUND LIMESTONE	TON	0.56	0.06		0.50
* 25100630	EROSION CONTROL BLANKET	SQ YD	1,333	126		1,207
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	28	3		25
28000400	PERIMETER EROSION BARRIER	FOOT	374			374
28000500	INLET AND PIPE PROTECTION	EACH	36	5	11	20
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	2,913	411	2,478	24
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	11			11
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	89	26	63	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	6,555	925	5,630	
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	166	23	143	
40600990	TEMPORARY RAMP	SQ YD	66	33	33	
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	335	46	289	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	4			4
42001300	PROTECTIVE COAT	SQ YD	2,015	417		1,598
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	260	37		223
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	113			113
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	8,940	1,989		6,951
42400800	DETECTABLE WARNINGS	SQ FT	403	92		311
44000100	PAVEMENT REMOVAL	SQ YD	2,820	409	2,411	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	204	34		170
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	215	90		125
44000600	SIDEWALK REMOVAL	SQ FT	438	152		286
44201753	CLASS D PATCHES, TYPE II 9 INCH	SQ YD	13	13		
50105220	PIPE CULVERT REMOVAL	FOOT	24			24
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	82	82		
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	252		229	23
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	273		241	32
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FOOT	16		16	
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	268		268	
55100400	STORM SEWER REMOVAL 10"	FOOT	6	6		
55101200	STORM SEWER REMOVAL 24"	FOOT	15			15
* 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	1			1
* 56400600	FIRE HYDRANTS	EACH	1			1
* 56500200	DOMESTIC WATER SERVICE BOXES TO BE MOVED	EACH	4			4
58700300	CONCRETE SEALER	SQ FT	518			518
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	6	2		4
60100905	PIPE DRAINS 4"	FOOT	29			29
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1		1	
60219300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	3			3

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	ROADWAY	SIDEWALKS
				100% LOCAL	100% LOCAL	80% FED 20% LOCAL
				STA. 1+07.30 TO STA. 2+98.50	STA. 2+98.50 TO STA. 11+93.43	STA. 2+98.50 TO STA. 11+93.43
CONSTRUCTION TYPE CODE			0004	0004	0028	
60222000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2		1	1
60224020	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 11 FRAME GRATE	EACH	1			1
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3			3
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	9	2	3	4
60237420	INLETS, TYPE A, TYPE 20 FRAME AND GRATE	EACH	1	1		
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	3			3
60240310	INLETS, TYPE B, TYPE 11 FRAME AND GRATE	EACH	6	1	2	3
60255500	MANHOLES TO BE ADJUSTED	EACH	2		2	
60261530	INLETS TO BE ADJUSTED WITH NEW TYPE 23 FRAME AND GRATE	EACH	1			1
60262700	INLETS TO BE RECONSTRUCTED	EACH	2	1		1
60266600	VALVE BOXES TO BE ADJUSTED	EACH	5	1	4	
60500060	REMOVING INLETS	EACH	10	1		9
60600605	CONCRETE CURB, TYPE B	FOOT	192	16		176
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2,006	303		1,703
60604300	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (VARIABLE WIDTH GUTTER FLAG)	FOOT	94	31		63
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	38			38
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	81	56		25
67100100	MOBILIZATION	L SUM	1	0.25	0.50	0.25
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	604	248		356
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	94	43		51
72000100	SIGN PANEL-TYPE 1	SQ FT	113	46		67
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	20	4		16
72900200	METAL POST - TYPE B	FOOT	299	111		188
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	616	242		374
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	94	43		51
* K0026840	SHRUBS TO BE RELOCATED	EACH	5			5
* X0300286	WOODEN FENCE REMOVAL	FOOT	81			81
* X0321501	WEED BARRIER FABRIC	SQ YD	64			64
* X0323117	LANDSCAPING GRAVEL	SQ YD	64			64
X0324058	OUTLET SPECIAL	EACH	3			3
X2011000	TEMPORARY FENCE (SPECIAL)	FOOT	249	91		158
X8024242	INLETS, SPECIAL, NO. 1	EACH	1		1	
X8024244	INLETS, SPECIAL, NO. 2	EACH	1		1	
X8024246	INLETS, SPECIAL, NO. 3	EACH	1		1	
X8061005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	272	25		247
* X8640298	CHAIN LINK FENCE (SPECIAL)	FOOT	385	197		188
* X8640300	CHAIN LINK FENCE REMOVAL	FOOT	303	99		204
* X8640304	CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED	FOOT	68			68
* X8643200	CHAIN LINK FENCE GATE 42" (SPECIAL)	EACH	2	1		1
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.25	0.50	0.25
* XX000882	WOOD FENCE	FOOT	79			79
Z0054530	ROCK FILL-SUBGRADE	TON	103	21	82	
Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	421	105	124	192
Z0056650	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 15"	FOOT	65			65
Z0056652	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 18"	FOOT	17			17
Z0056658	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 30"	FOOT	44			44
Z0066600	STABILIZED DRIVEWAYS 8"	SQ YD	69			69

* SPECIALITY ITEM

REVISIONS

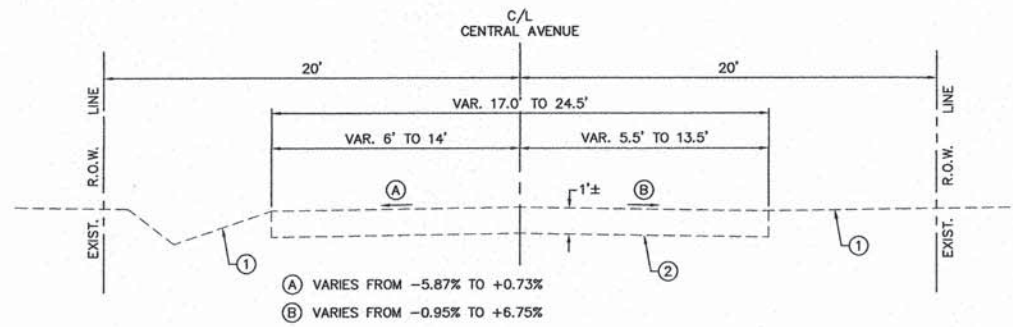
SMS ENGINEERS
 Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002, 618462-8755 E-mail: mail@smsengineers.com
 10 Central Industrial Drive, Suite 3, Granite City, IL 62040, 618077-8700 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
 SECTION 15-00032-00-SW
 VILLAGE OF HARTFORD
 SUMMARY OF QUANTITIES

DWG. NO.
 Q:\HARTFORD CENTRAL
 AVE\3 QUANTITIES.DWG
 REF. BK. 6044 PG. 18
 JOB NO. 448881
 DSN. BY: LDA
 DWN. BY: LDA
 CHK. BY: LDA
 DATE: MARCH, 2016

SCALE: NOT TO SCALE
 SHEET 3 OF 29

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	4
FEDERAL AID PROJECT		CONTRACT NO. 97620	



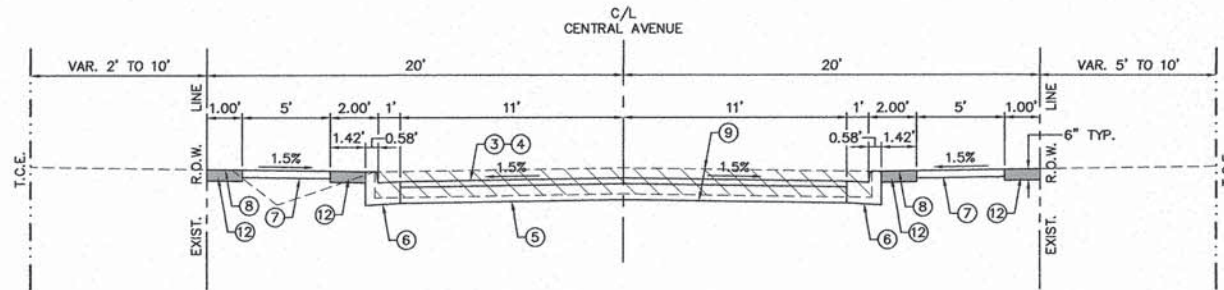
EXISTING TYPICAL SECTION
TO BE USED: STA. 1+07.30 TO STA. 11+93.43
NOT TO SCALE

LEGEND

- ① EXIST. GROUND LINE
- ② EXIST. OIL & CHIP SURFACE ON AN AGGREGATE BASE (1"± TOTAL)
- ③ PROP. H.M.A. SURFACE COURSE, MIX. "C", N70, 2"
- ④ PROP. H.M.A. LEVELING BIND. M.M., N70, 1"
- ⑤ PROP. AGG. BASE COURSE, TYPE A 8"
- ⑥ PROP. COMB. CONC. CURB AND GUTTER, TYPE B-6.12
- ⑦ PROP. P.C.C. SIDEWALK 4"
- ⑧ PROP. GROUND LINE
- ⑨ PROP. PAVEMENT REMOVAL
- ⑩ PROP. SIDEWALK CURB (SEE STANDARD 424021 - SIDE CURB DETAIL)
- ⑪ PROP. CONCRETE CURB, TYPE B (SPECIAL)
- ⑫ PROP. TOPSOIL EXCAVATION AND PLACEMENT

NOTES

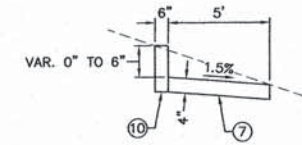
- 1. THE EXIST. CROWN OF THE EXIST. PAVEMENT VARIES FROM 5' LEFT TO 2.5' RIGHT OF THE PROPOSED C/L.
- 2. THE ENGINEER SHALL DETERMINE THE BEST CASE TO USE BASED ON ACTUAL FIELD CONDITIONS.
- 3. SEE THE CROSS SECTIONS FOR THE PLACEMENT OF TOPSOIL AROUND CURB.



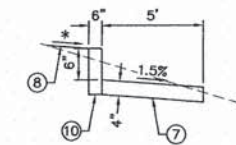
PROPOSED TYPICAL SECTION
TO BE USED: STA. 1+07.30 TO STA. 11+93.43
NOT TO SCALE

PROPOSED PAVEMENT CROSS SLOPES			
LEFT		RIGHT	
LOCATION STA. TO STA.	%	LOCATION STA. TO STA.	%
1+07.30 TO 1+20	-1.10 TO -1.25	1+07.30 TO 2+30	-1.50
1+20 TO 1+30	-1.25 TO -1.50	2+30 TO 2+50	-1.50 TO -2.00
1+30 TO 2+10	-1.50	2+50 TO 2+52.75	-2.00
2+10 TO 2+60	-1.50 TO -0.25	2+52.75 TO 2+60	-2.00 TO -1.71
2+60 TO 2+66.80	-0.25 TO 0.00	2+60 TO 2+66.80	-1.71
RESURFACING OMITTED ON 6TH STREET		RESURFACING OMITTED ON 6TH STREET	
3+00 TO 3+10	-1.16 TO -1.25	3+00 TO 3+10	-1.05 TO -1.10
3+10 TO 3+20	-1.25 TO -1.50	3+10 TO 3+20	-1.10
3+20 TO 4+50	-1.50	3+20 TO 3+30	-1.10 TO -1.25
4+50 TO 5+10	-1.50 TO 0.00	3+30 TO 3+40	-1.25 TO -1.50
5+10 TO 5+80	0.00 TO +2.00	3+40 TO 5+10	-1.50
5+80 TO 5+90	+2.00 TO +1.75	5+10 TO 5+70	-1.50 TO 0.00
5+90 TO 6+00	+1.75 TO +1.75	5+70 TO 5+90	0.00
6+00 TO 6+70	+1.75 TO 0.00	5+90 TO 6+00	0.00 TO -0.25
6+70 TO 7+30	0.00 TO -1.50	6+00 TO 6+03.40	-0.25
7+30 TO 7+50	-1.50	6+03.40 TO 6+10	-0.25 TO -0.50
7+50 TO 8+10	-1.50 TO 0.00	6+10 TO 8+50	-0.50 TO -1.50
8+10 TO 8+90	0.00 TO +2.00	8+50 TO 8+70	-1.50
8+90 TO 9+40	+2.00	8+70 TO 8+90	-1.50 TO -1.00
9+40 TO 10+20	+2.00 TO 0.00	8+90 TO 9+00	-1.00
10+20 TO 10+80	0.00 TO -1.50	9+00 TO 9+20	-1.00 TO -1.50
10+80 TO 11+93.43	-1.50	9+20 TO 9+50	-1.50
		9+50 TO 9+70	-1.50 TO -2.00
		9+70 TO 11+40	-2.00
		11+40 TO 11+60	-2.00 TO -1.50
		11+60 TO 11+93.43	-1.50

CASE 1: THE EXIST. GROUND LINE IS HIGHER THAN THE BACK OF THE PROP. SIDEWALK BY 6" OR LESS AND A VARIABLE HEIGHT SIDEWALK CURB IS USED.

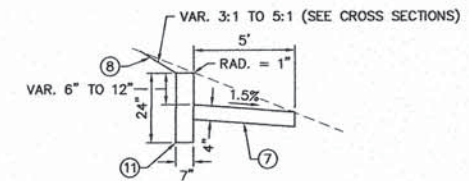


CASE 2: THE EXIST. GROUND LINE IS HIGHER THAN THE BACK OF THE PROP. SIDEWALK BY 6" OR LESS AND A 6" HIGH SIDEWALK CURB IS USED.

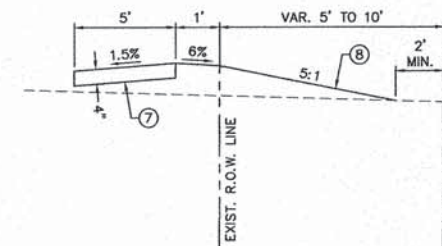


*VAR. 5:1 TO 50:1 (SEE CROSS SECTIONS)

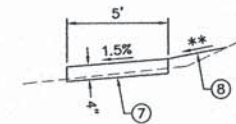
CASE 3: THE EXIST. GROUND LINE IS HIGHER THAN THE BACK OF THE PROP. SIDEWALK BY MORE THAN 6".



CASE 4: THE BOTTOM OF THE BACK OF THE PROP. SIDEWALK IS HIGHER THAN THE EXIST. GROUND LINE.



CASE 5: THE TOP OF THE BACK OF THE PROP. SIDEWALK IS HIGHER THAN THE EXIST. GROUNDLINE, BUT THE BOTTOM OF THE BACK OF THE PROP. SIDEWALK IS NOT.



**VAR. 21.5:1 TO 141.5:1 (SEE CROSS SECTIONS)

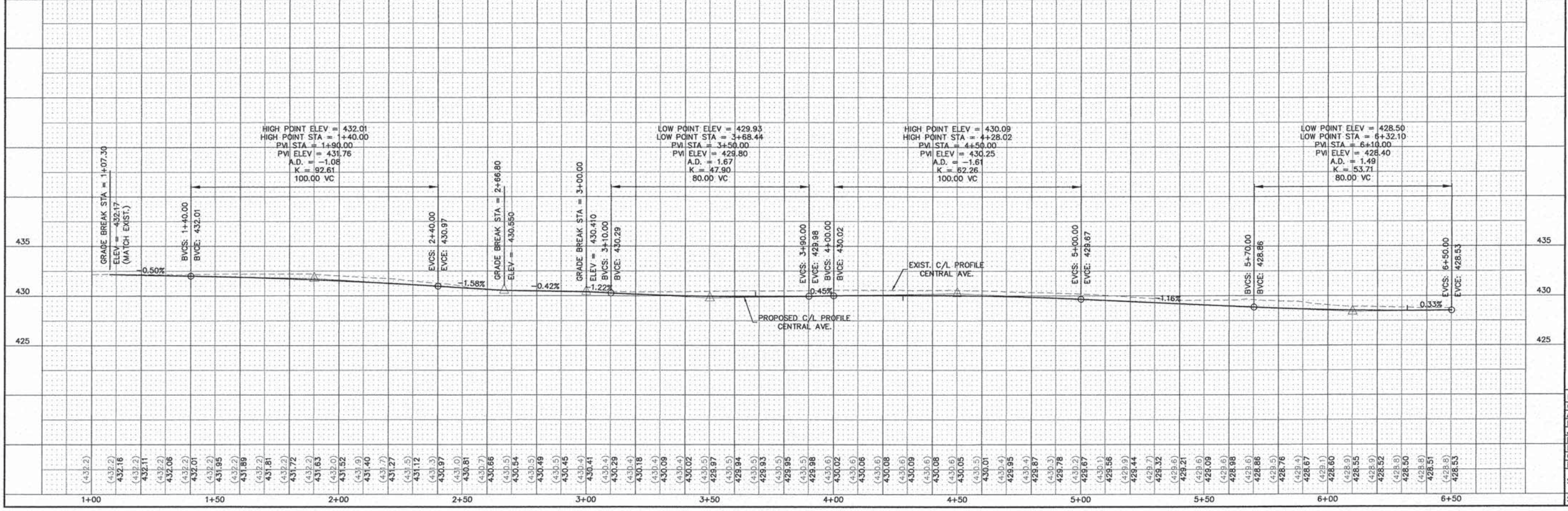
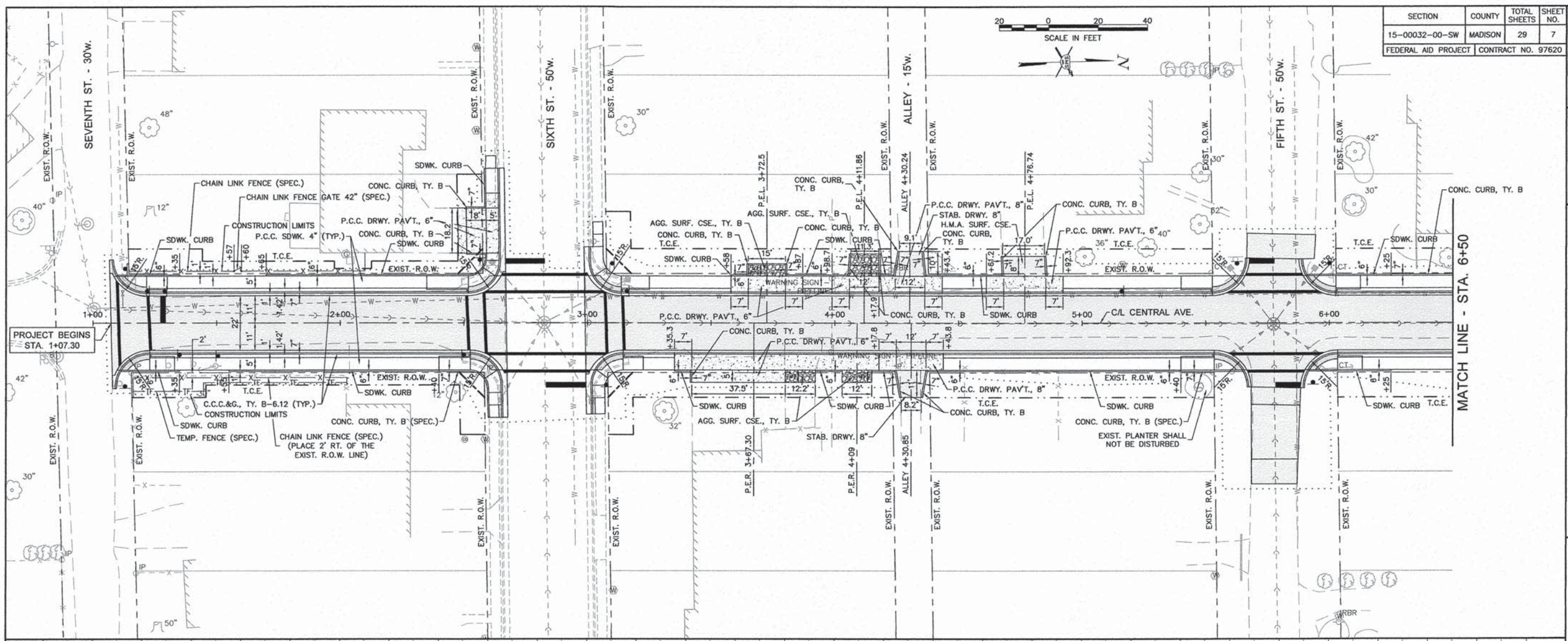
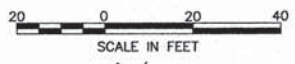
REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
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215 Market Street, P.O. Box E, Alton, IL 62002, 618462-2755 E-mail: mail@smseng.com
11 Central Executive Drive, Suite 3, Geneva, IL 60136, 618677-9700 E-mail: mail@smseng.com
DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
SECTION 15-00032-00-SW
VILLAGE OF HARTFORD
TYPICAL SECTIONS

DWG. NO. Q:\HARTFORD CENTRAL AVE\4 TYP SECTS.DWG
REF. BK. 6044 PG. 18
JOB NO. 448881
DSN. BY: LDA
DWN. BY: CAD
CHK. BY: LDA
DATE: MARCH, 2016
SCALE: NOT TO SCALE
SHEET 4 OF 29

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	7
FEDERAL AID PROJECT		CONTRACT NO. 97620	



REVISIONS

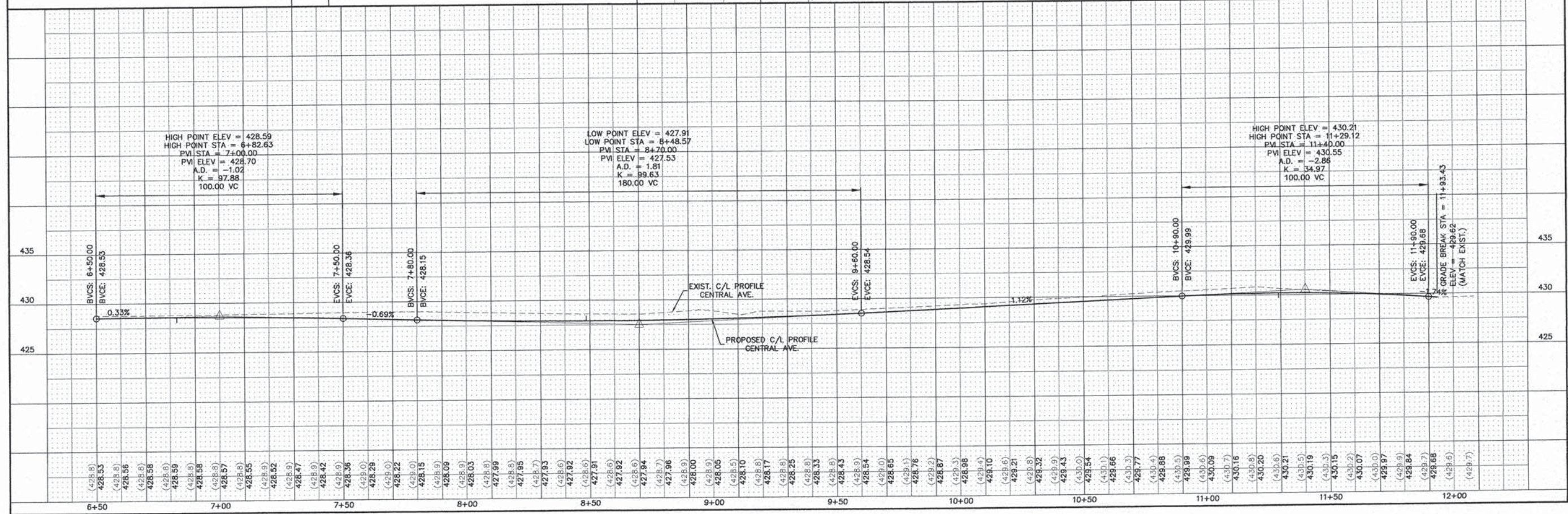
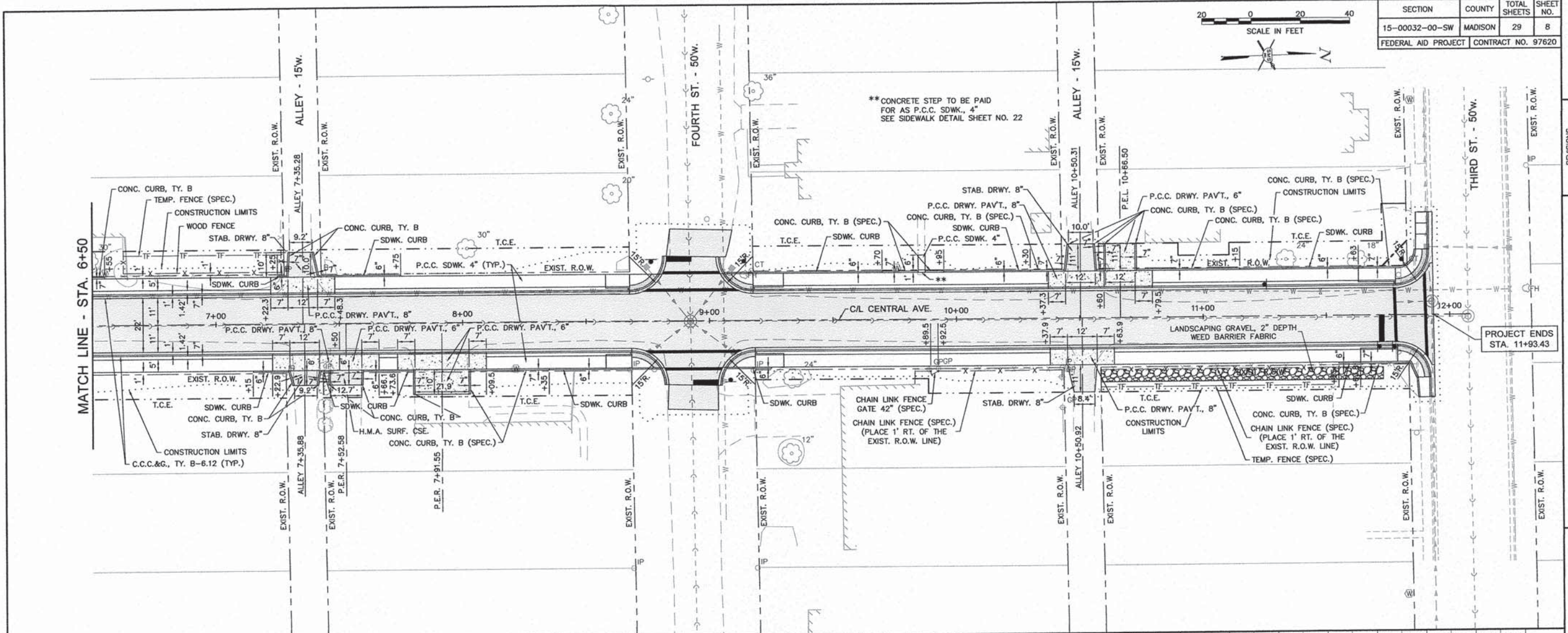
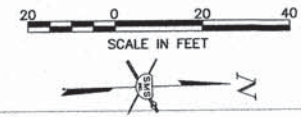
SMS Sheppard, Morgan & Schwab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 214 Market Street, P.O. Box E, Albany, IL 62002, 618492.9155, E-mail: mail@smsmpe.com
 10 Central Industrial Drive, Suite 3, Carlinville, IL 62630, 618277.4700, E-mail: mail@smsmpe.com
 DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
 SECTION 15-00032-00-SW
 VILLAGE OF HARTFORD
 PLAN AND PROFILE

DWG. NO.	Q:\HARTFORD CENTRAL
REF. BK.	6044 PG. 18
JOB NO.	448881
DSN. BY:	LDA
DWN. BY:	CAD
CHK. BY:	LDA
DATE:	MARCH, 2016
SCALE:	1" = 20' HORIZ. 1" = 5' VERT.
SHEET	7 OF 29

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	8
FEDERAL AID PROJECT		CONTRACT NO. 97620	



REVISIONS

SMS ENGINEERS Sheppard, Morgan & Schwaab, Inc.
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 10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618/877-9700 E-mail: mail@msgrange.com
 DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
 SECTION 15-00032-00-SW
 VILLAGE OF HARTFORD
 PLAN AND PROFILE

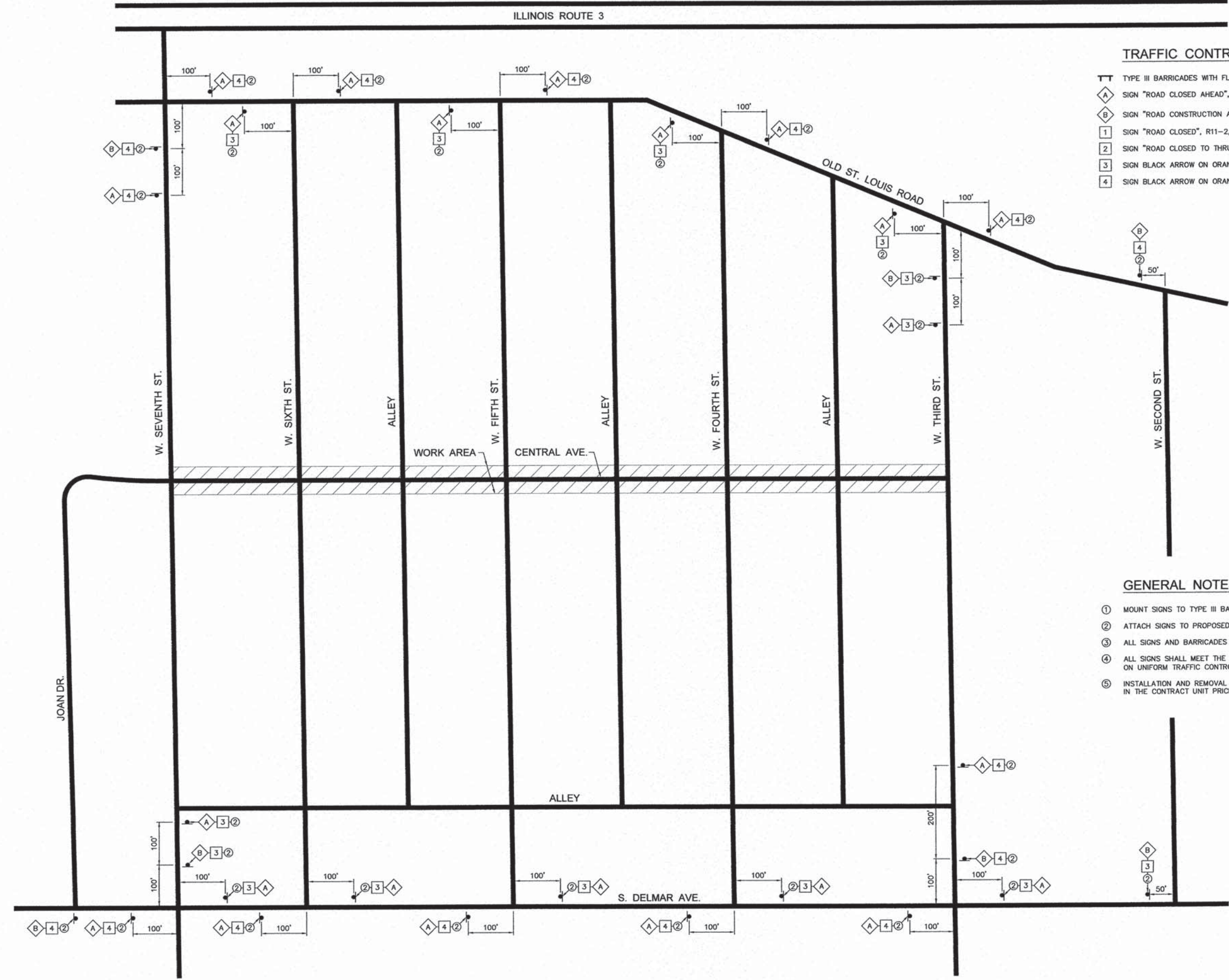
DWG. NO. 0-HARTFORD CENTRAL AVE 7-8 RDWY P-P.DWG
 REF. BK. 6044 PG. 18
 JOB NO. 448881
 DSN. BY: LDA
 DWN. BY: CAD
 CHK. BY: LDA
 DATE: MARCH, 2016
 SCALE: 1" = 20' HORZ.
 1" = 5' VERT.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	9
FEDERAL AID PROJECT		CONTRACT NO. 97620	



TRAFFIC CONTROL LEGEND

- TT TYPE III BARRICADES WITH FLASHING LIGHTS
- A SIGN "ROAD CLOSED AHEAD", W20-3(0)-48
- B SIGN "ROAD CONSTRUCTION AHEAD", W20-1103(0)-48
- 1 SIGN "ROAD CLOSED", R11-2, 48"x30"
- 2 SIGN "ROAD CLOSED TO THRU TRAFFIC" R11-4, 60"x30"
- 3 SIGN BLACK ARROW ON ORANGE BACKGROUND, M5-1, 21"x15"
- 4 SIGN BLACK ARROW ON ORANGE BACKGROUND, M5-1, 21"x15"



GENERAL NOTES

- ① MOUNT SIGNS TO TYPE III BARRICADES
- ② ATTACH SIGNS TO PROPOSED METAL POST - TYPE A
- ③ ALL SIGNS AND BARRICADES SHALL BE IN PLACE BEFORE CENTRAL AVENUE IS CLOSED
- ④ ALL SIGNS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
- ⑤ INSTALLATION AND REMOVAL OF ALL SIGNS, HARDWARE AND POSTS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

REVISIONS

SMS ENGINEERS
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216 Market Street, P.O. Box E, Alton, IL 62002 618/462-2755 E-mail: mail@smsengineers.com
© Central Industrial Drive, Suite 3, Granite City, IL 62040 618/877-5700 E-mail: mail@smsengineers.com
DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
SECTION 15-00032-00-SW
VILLAGE OF HARTFORD
TRAFFIC CONTROL PLAN

DWG. NO.
Q:\CIVIL_3D PROJECTS\HARTFORD\448881.D\CENTRAL AVE SIDEWALK TAP Production Drawings\9 TDA\FEFC CONTROL 2.dwg, 3/14/2016 7:55:01 AM, jimin, 11
AVE 9 TRAFFIC CONTROL 2.DWG
REF. BK. 6044 PG. 18
JOB NO. 448881
DSN. BY: LDA
DWN. BY: CAD
CHK. BY: LDA
DATE: MARCH, 2016
SCALE: NOT TO SCALE
SHEET 9 OF 29

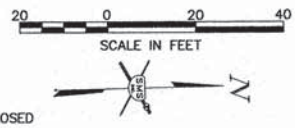
Q:\CIVIL_3D PROJECTS\HARTFORD\448881.D\CENTRAL AVE SIDEWALK TAP Production Drawings\9 TDA\FEFC CONTROL 2.dwg, 3/14/2016 7:55:01 AM, jimin, 11

TRAFFIC CONTROL LEGEND

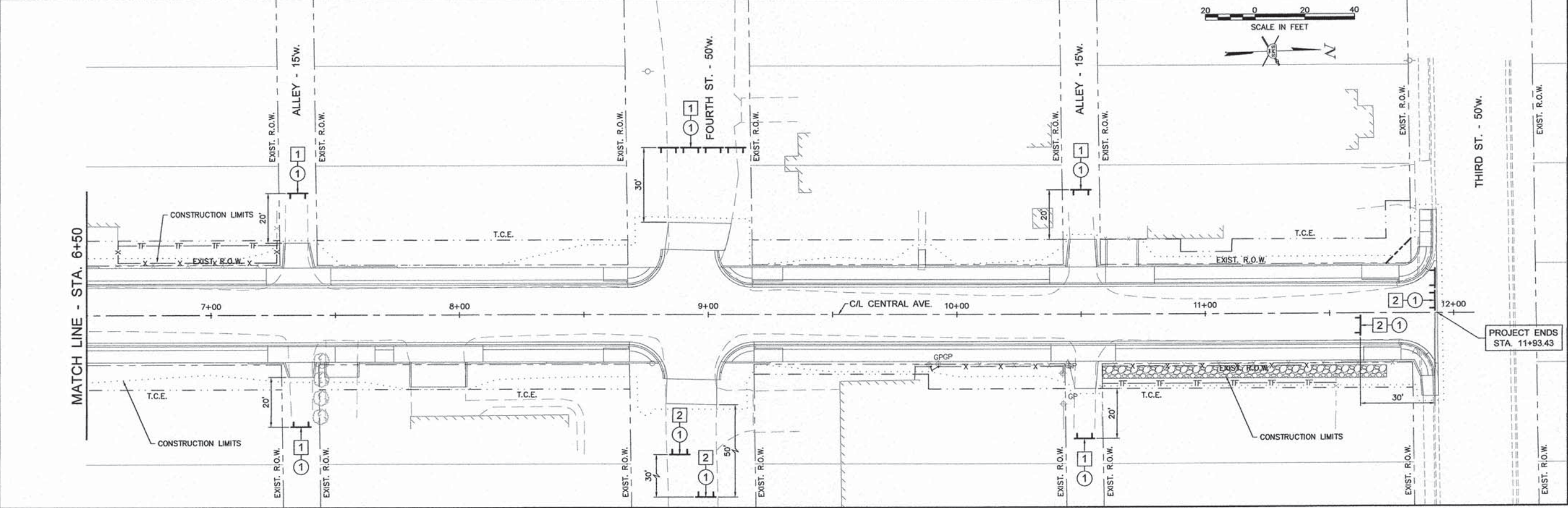
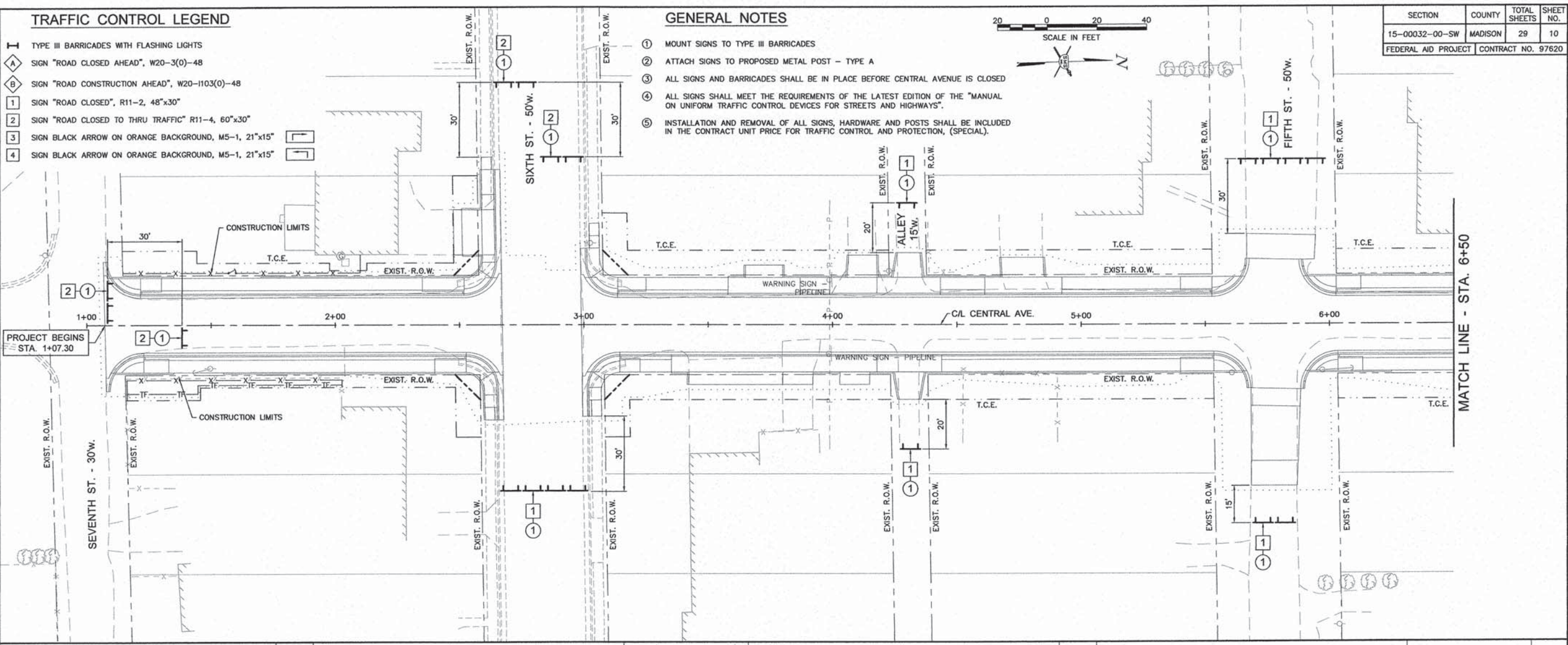
- TYPE III BARRICADES WITH FLASHING LIGHTS
- SIGN "ROAD CLOSED AHEAD", W20-3(0)-48
- SIGN "ROAD CONSTRUCTION AHEAD", W20-1103(0)-48
- SIGN "ROAD CLOSED", R11-2, 48"x30"
- SIGN "ROAD CLOSED TO THRU TRAFFIC" R11-4, 60"x30"
- SIGN BLACK ARROW ON ORANGE BACKGROUND, M5-1, 21"x15"
- SIGN BLACK ARROW ON ORANGE BACKGROUND, M5-1, 21"x15"

GENERAL NOTES

- ① MOUNT SIGNS TO TYPE III BARRICADES
- ② ATTACH SIGNS TO PROPOSED METAL POST - TYPE A
- ③ ALL SIGNS AND BARRICADES SHALL BE IN PLACE BEFORE CENTRAL AVENUE IS CLOSED
- ④ ALL SIGNS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".
- ⑤ INSTALLATION AND REMOVAL OF ALL SIGNS, HARDWARE AND POSTS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL).



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	10
FEDERAL AID PROJECT		CONTRACT NO. 97620	



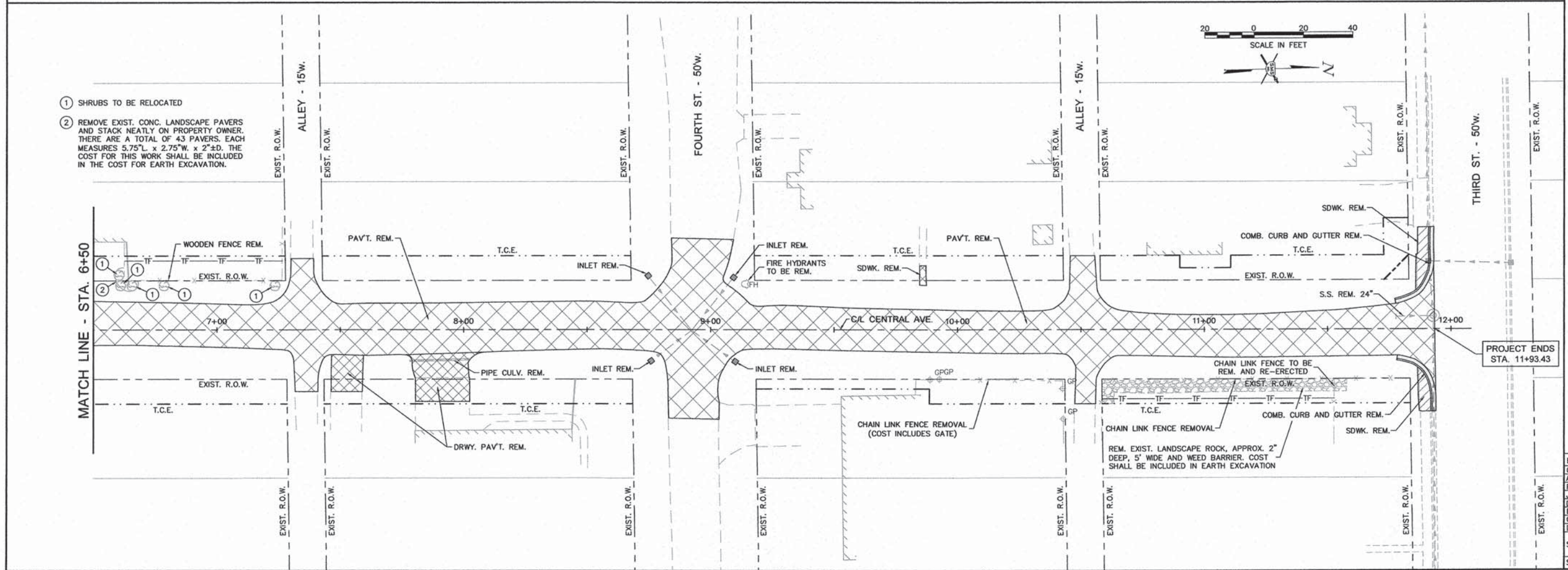
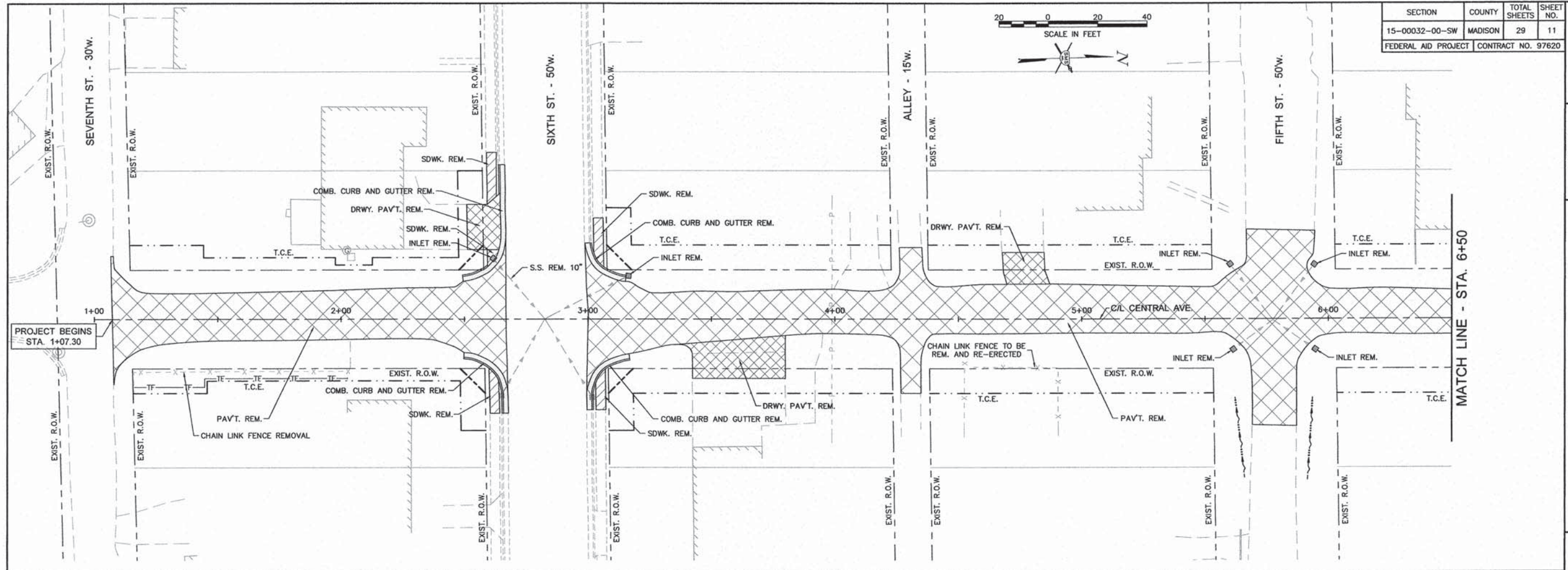
REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 315 Market Street, P.O. Box E, Albany, IL 62002, 61844033765, Email: mail@smseng.com
 510 Centerville Drive, Suite 3, Centerville, IL 62504, 6187727400, Email: mail@smseng.com
 DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
 SECTION 15-00032-00-SW
 VILLAGE OF HARTFORD
 TRAFFIC CONTROL PLAN

DWG. NO.	Q:\HARTFORD CENTRAL AVE TO TRAFFIC CONTROL.DWG
REF. BK.	6044 PG. 18
JOB NO.	448881
DSN. BY:	LDA
DWN. BY:	CAD
CHK. BY:	LDA
DATE:	MARCH, 2016
SCALE:	1" = 20'
SHEET	10 OF 29

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	11
FEDERAL AID PROJECT		CONTRACT NO. 97620	



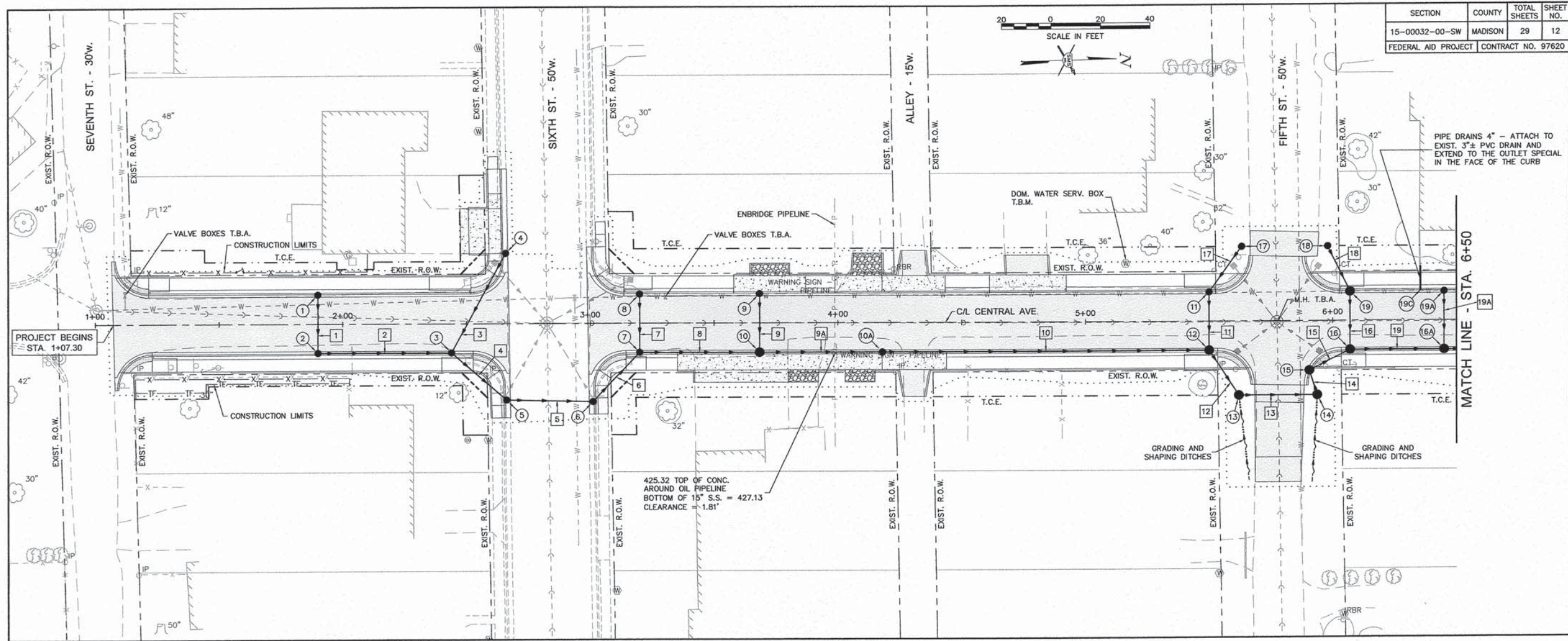
REVISIONS

SMS ENGINEERS
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 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box 61, Alton, IL 62002 618/462-9755 E-mail: mail@smsengineers.com
 10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618/877-4700 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
 SECTION 15-00032-00-SW
 VILLAGE OF HARTFORD
 REMOVAL PLAN

DWG. NO.	Q-HARTFORD CENTRAL
REF. BK.	6044 PG. 18
JOB NO.	448881
DSN. BY:	LDA
OWN. BY:	CAD
CHK. BY:	LDA
DATE:	MARCH, 2016
SCALE:	1" = 20' HORZ. 1" = 5' VERT.
SHEET	11 OF 29

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	12
FEDERAL AID PROJECT		CONTRACT NO. 97620	



REVISIONS

SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, P.O. Box E, Alton, IL 62002 618/462-2795 E-mail: mail@smsengineers.com
© Central Industrial Drive, Suite 3, Geneva, IL 60135 618/777-8700 E-mail: mail@smsengineers.com
DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
SECTION 15-00032-00-SW
VILLAGE OF HARTFORD
STORM SEWER PLAN

DWG. NO.	Q:\CIVIL\PROJECTS\HARTFORD\448881\0 CENTRAL AVE SIDEWALK TAP\Production Drawings\12-13 STORM PLAN.dwg
DATE	3/14/2016 8:16:29 AM jman, 120
JOB NO.	448881
DSN. BY:	LDA
DRN. BY:	CAD
CHK. BY:	LDA
DATE:	MARCH, 2016
SCALE:	1" = 20' HORZ. 1" = 5' VERT.
SHEET	12 OF 29

DRAINAGE STRUCTURES

- ① INLETS, TY. A, TY. II F. & G.
11.75' LT. STA. 1+90
T.C. = 431.91
12" E. F.L. = 429.22
- ② INLETS, TY. A, TY. II F. & G.
11.75' RT. STA. 1+90
T.C. = 431.91
12" W. F.L. = 427.97
12" N. F.L. = 427.97
- ③ INLETS, TY. B, TY. II F. & G.
11.75' RT. STA. 2+44
T.C. = 431.15
12" N.W. F.L. = 427.81
12" N.E. F.L. = 427.81
12" S. F.L. = 427.81
- ④ INLETS, TY. A, TY. 20 F. & G.
28.31' LT. STA. 2+65
GUTTER F.L. = 430.30
12" S.E. F.L. = 428.18
- ⑤ INLETS TO BE RECON.
30.91' RT. STA. 2+64
T.C. = 429.99
12" S.W. F.L. = 427.72
12" N. F.L. = 427.72
- ⑥ INLETS TO BE RECON.
31.69' RT. STA. 3+01.14
T.C. = 430.26
12" S. F.L. = 427.63
15" N.W. F.L. = 427.63
- ⑦ INLETS, TY. B, TY. II F. & G.
11.75' RT. STA. 3+20
T.C. = 430.50
15" N. F.L. = 427.55
15" S.E. F.L. = 427.55
12" W. F.L. = 427.55
- ⑧ INLETS TY. A, TY. II F. & G.
11.75' LT. STA. 3+20
T.C. = 430.46
12" E. F.L. = 427.77
- ⑨ INLETS SPEC. NO. 1
11.83' LT. STA. 3+68.44
F.L. GUTTER = 429.71
12" E. F.L. = 427.52
- ⑩ INLETS, SPEC. NO. 2
11.83' RT. STA. 3+68.44
F.L. GUTTER = 429.71
15" N. F.L. = 427.41
15" S. F.L. = 427.41
12" W. F.L. = 427.41
- ⑩A INLETS, SPEC. NO. 3
11.83' RT. STA. 4+18
F.L. GUTTER = 429.86
15" N. F.L. = 425.17
15" S. F.L. = 427.24
- ⑪ INLETS, TY. A, TY. II F. & G.
11.75' LT. STA. 5+50
T.C. = 429.64
12" E. F.L. = 426.95
12" N.W. F.L. = 426.95
- ⑫ INLET TY. B, TY. II F. & G.
11.75' RT. STA. 5+50
T.C. = 429.48
15" N.E. F.L. = 424.78
15" S. F.L. = 424.78
12" W. F.L. = 425.03
- ⑬ INLETS, TY. B, TY. 8 G.
30' RT. STA. 5+62
TOP OF GRATE = 428.50
15" N. F.L. = 424.71
15" S.W. F.L. = 424.71
15" N. F.L. = 424.71
- ⑭ INLETS, TY. B, TY. 8 G.
30' RT. STA. 5+93.70
TOP OF GRATE = 428.40
15" W. F.L. = 424.63
15" S. F.L. = 424.63
- ⑮ INLETS, TY. B, TY. II F. & G.
20.07' RT. STA. 5+90.5 ±
T.C. = 428.98
15" E. F.L. = 424.60
18" N.W. F.L. = 424.39
- ⑯ M. H. TY. A, 4'-DIA., TY. II F. & G.
11.75' RT. STA. 6+07
T.C. = 428.96
18" N. F.L. = 424.35
18" S.E. F.L. = 424.35
12" W. F.L. = 424.85
- ⑯A INLETS TY. B, TY. II F. & G.
11.75' RT. STA. 6+45
T.C. = 428.79
18" N. F.L. = 424.24
18" S. F.L. = 424.24
12" W. F.L. = 424.74
- ⑰ INLETS TY. A, TY. 8 G.
30' LT. STA. 5+63.20
TOP OF GRATE = 429.00
12" S.E. F.L. = 427.02
- ⑱ INLETS, TY. A, TY. 8 G.
23' LT. STA. 5+98
TOP OF GRATE = 428.40
12" N.E. F.L. = 426.52
- ⑲ INLETS TY. B, TY. II F. & G.
11.75' LT. STA. 6+07
T.C. = 429.17
12" E. F.L. = 426.48
12" S.W. F.L. = 426.48

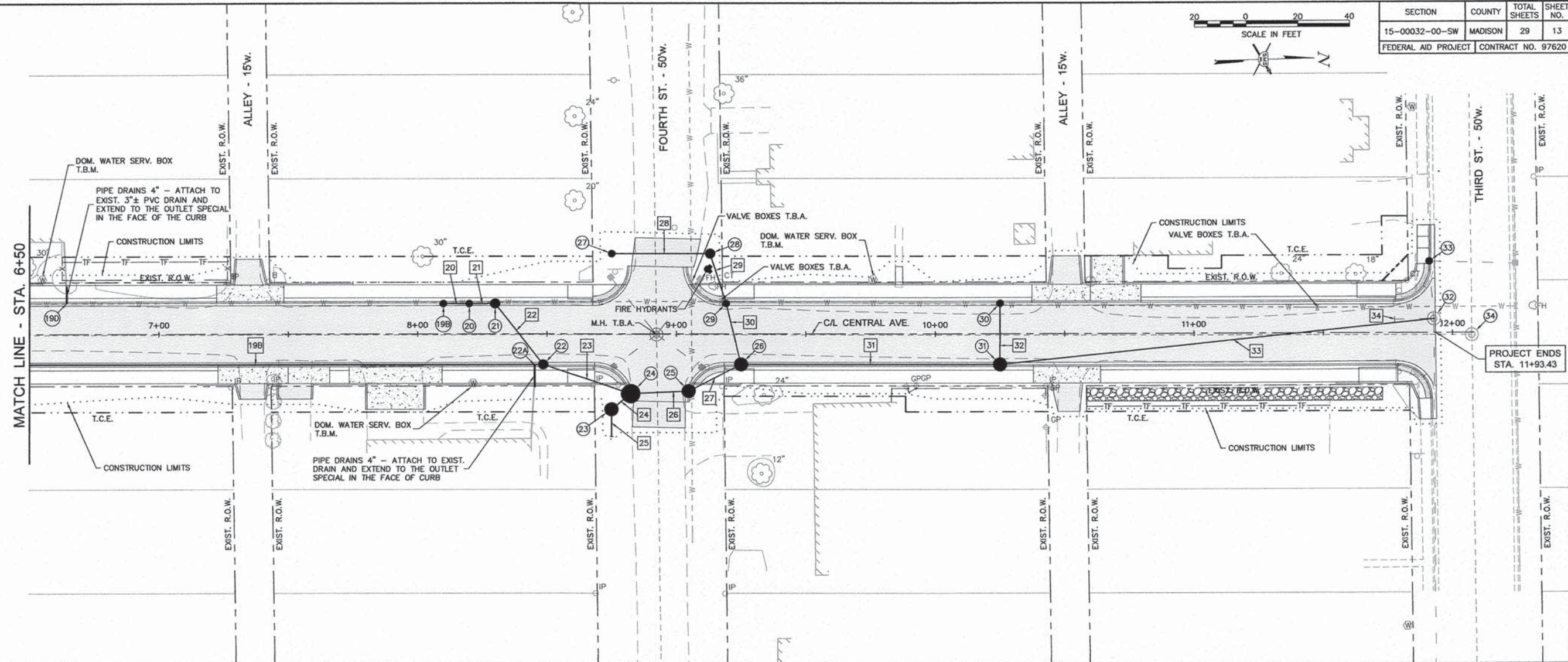
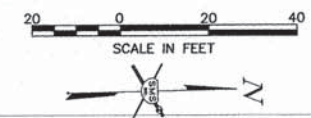
STORM SEWERS

- ① ① TO ② SS 1, WMQ PIPE 12" - 24 FT. @ 5.21%, TB 3.2 CU. YDS.
- ② ② TO ③ SS, CL. A, TY. 1, 12" - 53 FT. @ 0.30%, TB 8.1 CU. YDS.
- ③ ④ TO ③ SS 1, WMQ PIPE 12" - 45 FT. @ 0.82%, TB 5.0 CU. YDS.
- ④ ③ TO ⑤ SS, CL. A, TY. 1, 12" - 29 FT. @ 0.30%, TB 5.2 CU. YDS.
- ⑤ ⑤ TO ⑥ SS 1, WMQ PIPE 12" - 36 FT. @ 0.25%, TB 3.4 CU. YDS.
- ⑥ ⑥ TO ⑦ SS 1, WMQ PIPE 15" - 26 FT. @ 0.30%, TB 3.8 CU. YDS.
- ⑦ ⑧ TO ⑦ SS 1, WMQ PIPE 12" - 24 FT. @ 0.92%, TB 1.9 CU. YDS.
- ⑧ ⑦ TO ⑩ SS, CL. A, TY. 1, 15" - 48 FT. @ 0.30%, TB 3.2 CU. YDS.
- ⑨A ⑩ TO ⑩A SS, CL. A, TY. 1, 15" - 50 FT. @ 0.30%, TB 3.7 CU. YDS.
- ⑨ ⑨ TO ⑩ SS 1, WMQ PIPE 12" - 24 FT. @ 0.46%, TB 2.9 CU. YDS.
- ⑩ ⑩A TO ⑫ SS, CL. A, TY. 1, 15" - 131 FT. @ 0.30%, TB 40.0 CU. YDS.
- ⑪ ⑪ TO ⑫ SS 1, WMQ PIPE 12" - 24 FT. @ 8.00%, TB 3.7 CU. YDS.
- ⑫ ⑫ TO ⑬ SS, CL. A, TY. 1, 15" - 21 FT. @ 0.33%, TB 3.9 CU. YDS.
- ⑬ ⑬ TO ⑭ SS 1, WMQ PIPE 15" - 32 FT. @ 0.25%, TB 7.2 CU. YDS.
- ⑭ ⑭ TO ⑮ SS 1, WMQ PIPE 15" - 11 FT. @ 0.30%, TB 1.1 CU. YDS.
- ⑮ ⑮ TO ⑯ SS 1, WMQ PIPE 18" - 17 FT. @ 0.30%, TB 5.6 CU. YDS.
- ⑯ ⑰ TO ⑯ SS 1, WMQ PIPE 12" - 25 FT. @ 6.52%, TB 3.3 CU. YDS.
- ⑰ ⑰ TO ⑱ SS, CL. A, TY. 1, 12" - 22 FT. @ 0.30%, TB 1.5 CU. YDS.
- ⑱ ⑱ TO ⑲ SS 1, WMQ PIPE 12" - 14 FT. @ 0.30%, TB 1.3 CU. YDS.
- ⑲ ⑱ TO ⑲A SS, CL. A, TY. 1, 18" - 38 FT. @ 0.30%, TB 9.7 CU. YDS.
- ⑲A ⑲A TO ⑲A SS 1, WMQ PIPE 12" - 25 FT. @ 6.40%, TB 3.3 CU. YDS.

425.32 TOP OF CONC. AROUND OIL PIPELINE
BOTTOM OF 15" S.S. = 427.13
CLEARANCE = 1.81'

PIPE DRAINS 4" - ATTACH TO EXIST. 3"± PVC DRAIN AND EXTEND TO THE OUTLET SPECIAL IN THE FACE OF THE CURB

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	13
FEDERAL AID PROJECT		CONTRACT NO. 97620	



REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
ENGINEERS
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© Central Avenue Drive, Suite 3, Granite City, IL 62040 618/677-8700 E-mail: mail@smssheppard.com
DESIGN FIRM # 184-000992

DRAINAGE STRUCTURES

- 198 INLETS TY. A, TY. II F. & G.
11.75' LT. STA. 8+10
T.C. = 428.43
12" N.F.L. = 425.74
- 199 OUTLET SPECIAL
12' LT. STA. 6+64
MATCH F.L. OF PROP.
GUTTER
- 20 INLETS TY. A, TY. II F. & G.
11.75' LT. STA. 8+20
T.C. = 428.43
12" N.F.L. = 425.54
12" S.F.L. = 425.54
- 21 INLETS TY. B, TY. II F. & G.
11.75' LT. STA. 8+30
T.C. = 428.43
12" S.F.L. = 425.34
12" N.W.F.L. = 425.34
- 22 M.H. TY. A, 5'-DIA., TY. II F. & G.
11.75' RT. STA. 8+48.57
T.C. = 428.19
18" S.F.L. = 423.63
18" N.E.F.L. = 423.63
12" S.W.F.L. = 424.03
- 22A OUTLET SPECIAL
12' RT. STA. 8+45
MATCH F.L. OF PROP.
GUTTER
- 23 M.H. TY. A, 4'-DIA., TY. 8 G.
29' RT. STA. 8+75
TOP OF GRATE = 427.67
30" E.F.L. = 422.55
30" N.W.F.L. = 422.55
- 24 M.H. TY. A, 6'-DIA., TY. II F. & G.
23' RT. STA. 8+82.42
T.C. = 427.78
18" S.W.F.L. = 423.53
30" S.E.F.L. = 422.53
30" N.F.L. = 422.53
- 25 M.H. TY. A, 4'-DIA., TY. II F. & G.
11.75' RT. STA. 9+06
T.C. = 427.91
30" S.F.L. = 422.46
30" N.W.F.L. = 422.46
- 26 M.H. TY. A, 4'-DIA., TY. II F. & G.
11.75' RT. STA. 9+25
T.C. = 428.49
30" N.F.L. = 422.40
30" S.W.F.L. = 422.40
12" E.F.L. = 424.70
- 27 INLETS TY. A, TY. 8 G.
31' LT. STA. 8+75
TOP OF GRATE = 427.67
12" N.F.L. = 426.00
- 28 INLETS, TY. B, TY. 8 G.
31' LT. STA. 9+13
TOP OF GRATE = 428.47
12" S.F.L. = 425.55
12" N.E.F.L. = 425.55
- 29 INLETS, TY. A, TY. II F. & G.
11.75' LT. STA. 9+19.25
T.C. = 428.81
12" S.W.F.L. = 425.45
12" N.E.F.L. = 425.45
- 30 INLETS, TY. A, TY. II F. & G.
11.75' LT. STA. 10+25
T.C. = 429.70
12" E.F.L. = 427.01
- 31 M.H. TY. A, 5'-DIA., TY. II F. & G.
11.75' RT. STA. 10+25
T.C. = 429.49
30" N.W.F.L. = 422.10
30" S.F.L. = 422.10
12" W.F.L. = 426.26
- 32 EXIST. S.S. M.H., C.L.
5.4' LT. STA. 11+93
TOP OF LID = 429.51
EXIST. 18" E.F.L. = 421.89
EXIST. 30" W.F.L. = 421.56
PROP. 30" S.E.F.L. = 421.60
- 33 INLETS T.B.A. WITH NEW TY. 23 F. & G.
27.50' LT. STA. 11+92
F.L. OF GUTTER = 429.20
EXIST. 30" E.F.L. = 421.43
EXIST. 12" N.F.L. = 423.08
EXIST. 30" W.F.L. = 421.40
- 34 EXIST. SAN. M.H., C.L.
0.8' RT. STA. 12+07.50
TOP OF LID = 429.70
EXIST. 8" W.F.L. = 419.99
EXIST. 18" S.F.L. = 419.74
EXIST. 21" E.F.L. = 419.41

STORM SEWERS

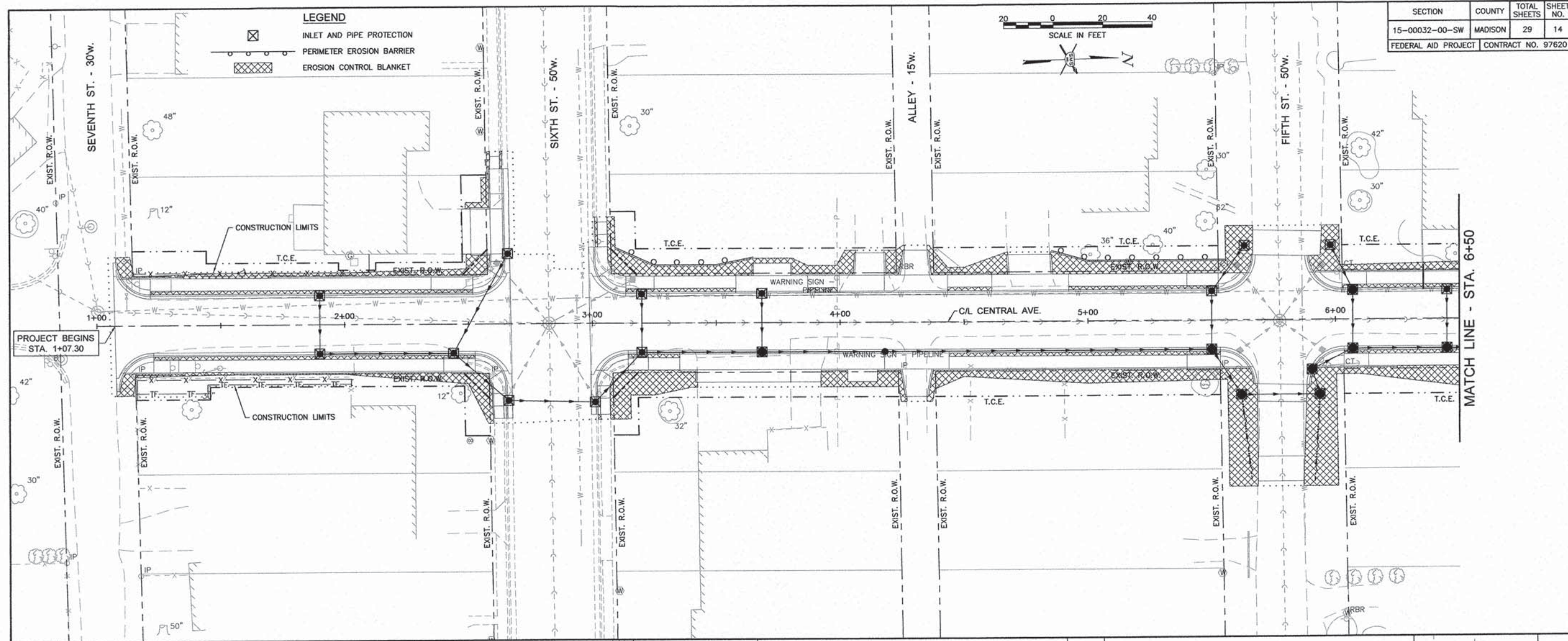
- 198 19A TO 22 SS, CL. A, TY. 1, 18" -
203 FT. @ 0.30%, TB 53.4 CU. YDS.
- 20 19B TO 20 SS 1, WMQ PIPE 12" -
10 FT. @ 2.00%, TB 0.7 CU. YDS.
- 21 20 TO 21 SS 1, WMQ PIPE 12" -
10 FT. @ 2.00%, TB 0.9 CU. YDS.
- 22 21 TO 22 SS 1, WMQ PIPE 12" -
30 FT. @ 4.37%, TB 3.6 CU. YDS.
- 23 22 TO 24 SS, CL. A, TY. 1, 18" -
32 FT. @ 0.30%, TB 9.9 CU. YDS.
- 24 23 TO 24 SS, CL. A, TY. 1, 30" -
8 FT. @ 0.30%, TB 0 CU. YDS.
- 25 STUB TO 23 SS, CL. A, TY. 1, 30" -
8 FT. @ 0.30%, TB 0 CU. YDS.
- 26 24 TO 25 SS 1, WMQ PIPE 30" -
24 FT. @ 0.30%, TB 13.7 CU. YDS.
- 27 25 TO 26 SS 1, WMQ PIPE 30" -
20 FT. @ 0.30%, TB 15.0 CU. YDS.
- 28 27 TO 28 SS 1, WMQ PIPE 12" -
38 FT. @ 1.18%, TB 3.4 CU. YDS.
- 29 28 TO 29 SS 1, WMQ PIPE 12" -
20 FT. @ 0.50%, TB 1.9 CU. YDS.
- 30 29 TO 26 SS 1, WMQ PIPE 12" -
25 FT. @ 3.00%, TB 3.8 CU. YDS.
- 31 26 TO 31 SS, CL. A, TY. 2, 30" -
100 FT. @ 0.30%, TB 78.5 CU. YDS.
- 32 30 TO 31 SS 1, WMQ PIPE 12" -
25 FT. @ 3.00%, TB 2.4 CU. YDS.
- 33 31 TO 32 SS, CL. A, TY. 2, 30" -
168 FT. @ 0.30%, TB 195 CU. YDS.
- 34 STUB TO 32 EXIST. 24" RCCP TO BE REMOVED
T.B. 14.6 CU. YDS.

CENTRAL AVENUE SIDEWALKS
SECTION 15-00032-00-SW
VILLAGE OF HARTFORD
STORM SEWER PLAN

DWG. NO.
C:\HARTFORD CENTRAL
AVE\12-13 STORM PLAN.DWG
REF. BK. 6044 PG. 18
JOB NO. 448881
DSN. BY: LDA
DWN. BY: CAD
CHK. BY: LDA
DATE: MARCH, 2016
SCALE: 1" = 20' HORZ.
1" = 5' VERT.
SHEET 13 OF 29

Q:\CIVIL_3D PROJECTS\HARTFORD (448881.0) CENTRAL AVE SIDEWALK TAP\Production Drawings\12-13 STORM PLAN.dwg, 3/23/2016 8:12:49 AM, jman, 1/20

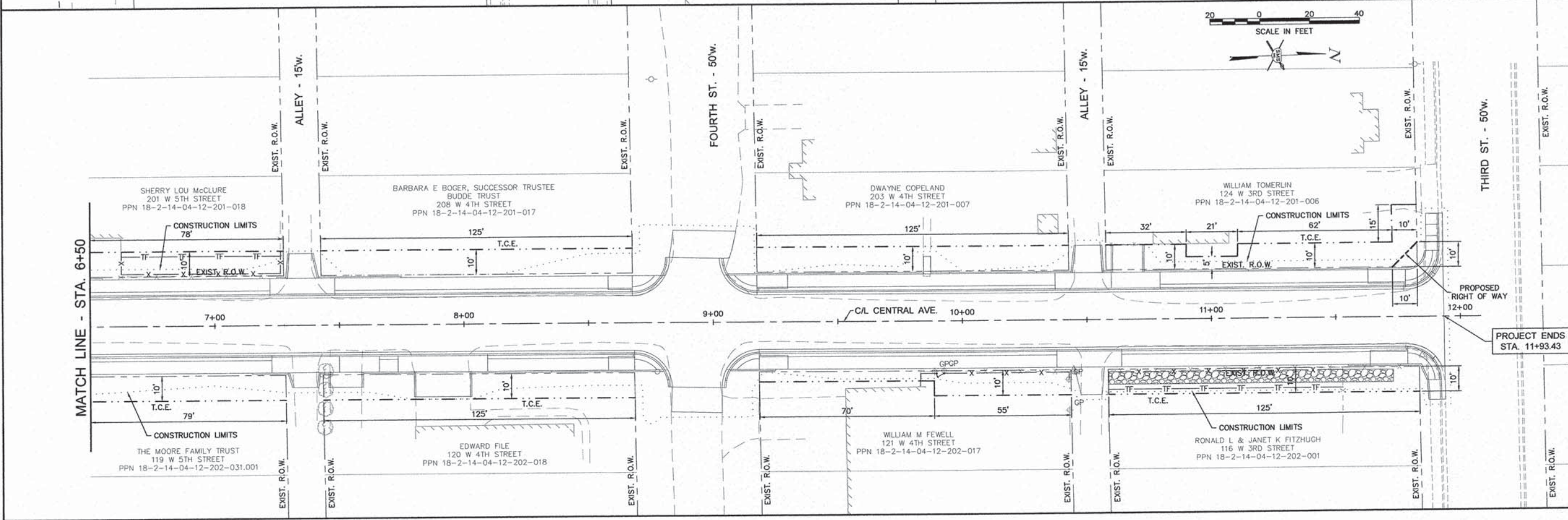
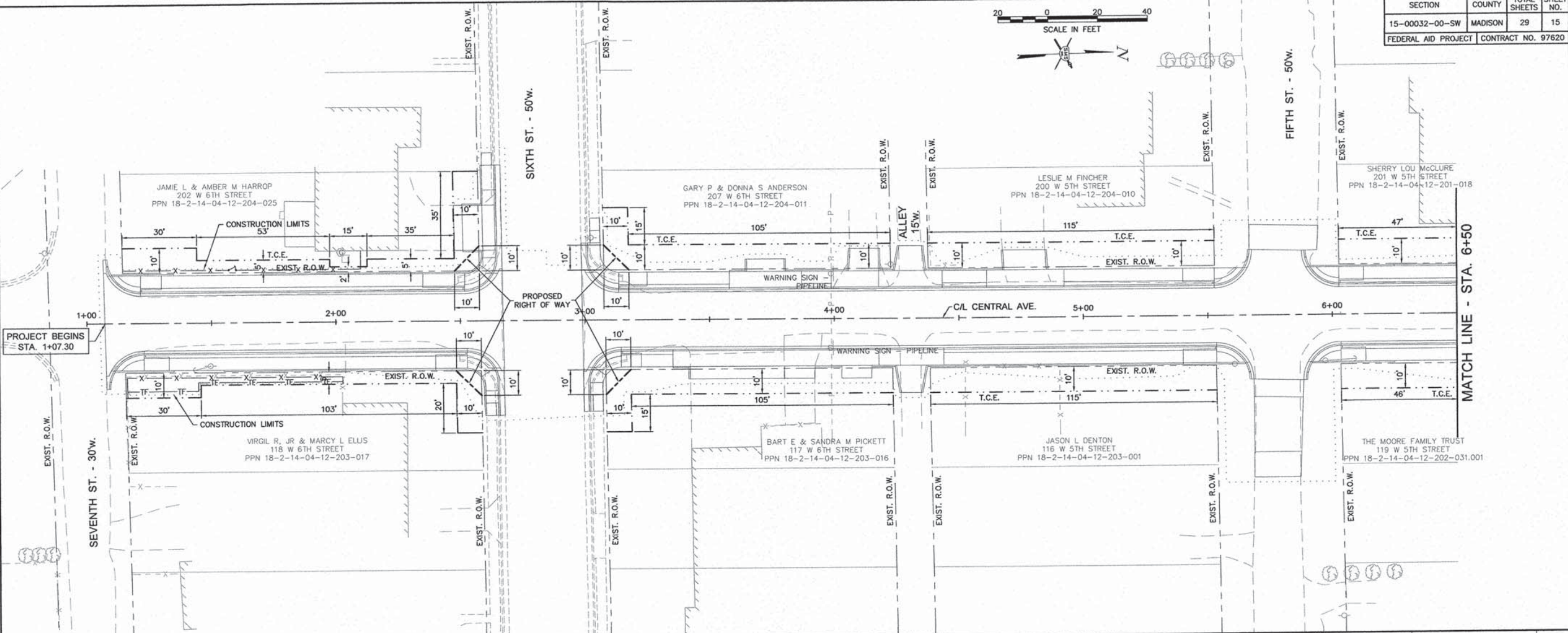
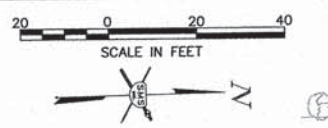
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	14
FEDERAL AID PROJECT		CONTRACT NO. 97620	



CENTRAL AVENUE SIDEWALKS
 SECTION 15-00032-00-SW
 VILLAGE OF HARTFORD
 EROSION CONTROL PLAN

DWG. NO.	Q: HARTFORD CENTRAL
REF. BK.	6044 PG. 18
JOB NO.	448881
DSN. BY:	LDA
OWN. BY:	CAD
CHK. BY:	LDA
DATE:	MARCH, 2016
SCALE:	1" = 20'
SHEET	14 OF 29

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	15
FEDERAL AID PROJECT		CONTRACT NO. 97620	



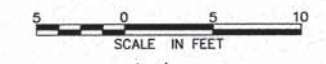
REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
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 10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618771-4100 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
 SECTION 15-00032-00-SW
 VILLAGE OF HARTFORD
 RIGHT OF WAY

DWG. NO.	Q: HARTFORD CENTRAL AVE 15 RIGHT OF WAY.DWG
REF. BK.	6044 PG. 18
JOB NO.	448881
DSN. BY:	LDA
DWN. BY:	CAD
CHK. BY:	LDA
DATE:	MARCH, 2016
SCALE:	1" = 20'
SHEET	15 OF 29

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	16
FEDERAL AID PROJECT		CONTRACT NO. 97620	

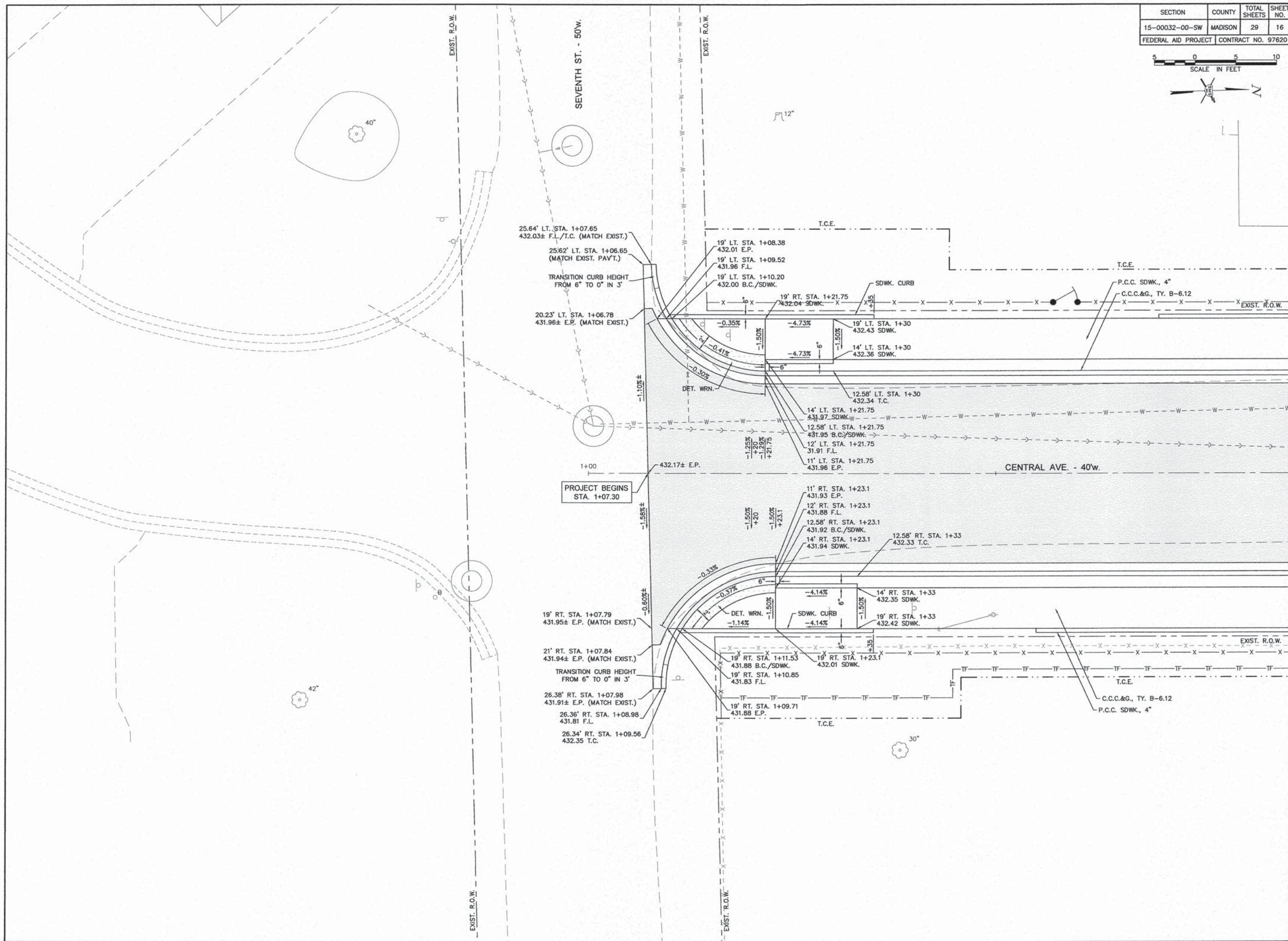


REVISIONS

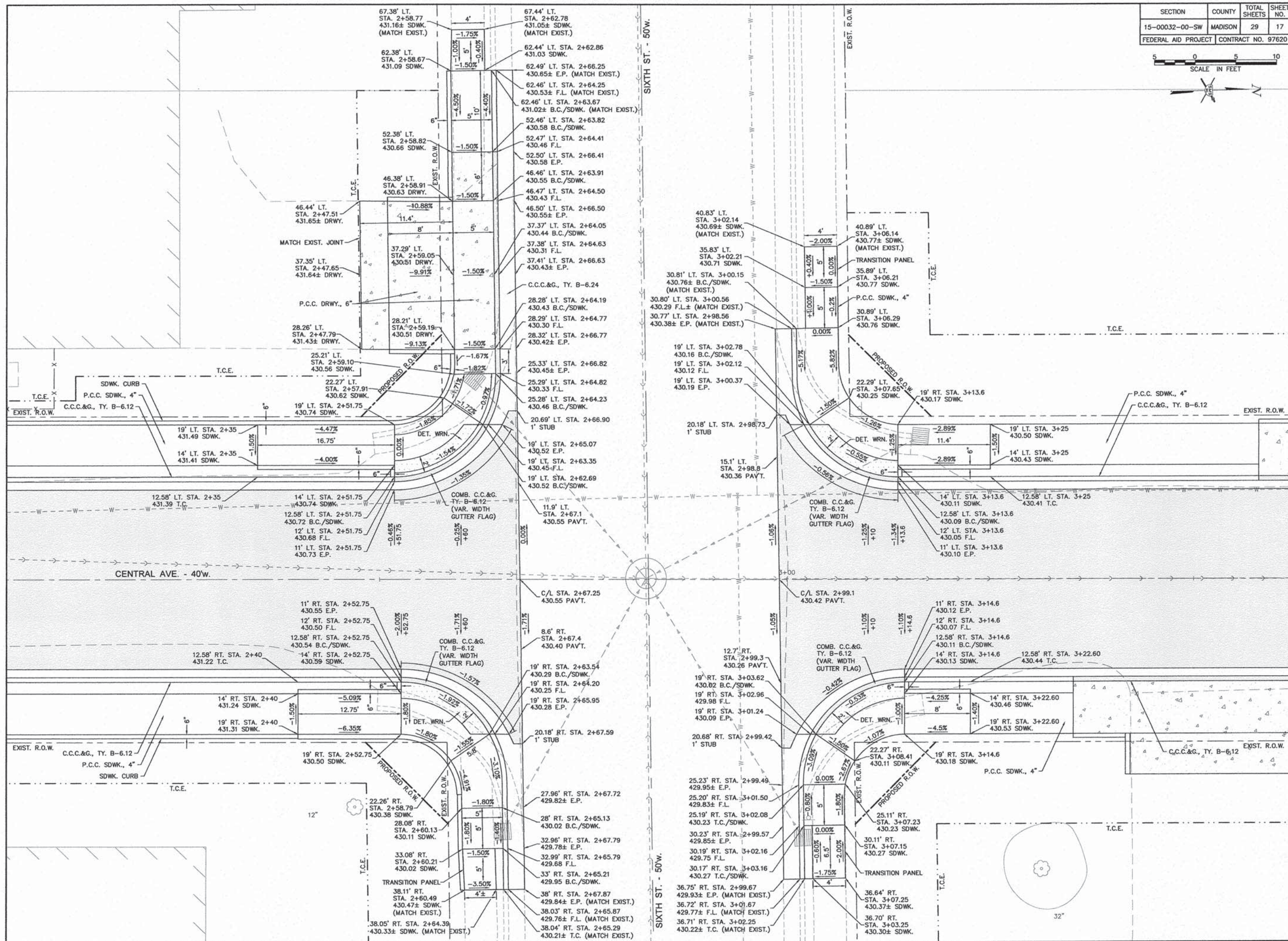
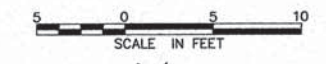
SMS ENGINEERS
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 DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
 SECTION 15-00032-00-SW
 VILLAGE OF HARTFORD
 INTERSECTION DETAILS - SEVENTH STREET

DWG. NO.	Q:\CIVIL_3D PROJECTS\HARTFORD (448881)\01 CENTRAL AVE SIDEWALK TAP\Production Drawings\15 SEVENTH ST.dwg 3/14/2016 9:06:36 AM jiman 1:5
REF. BK.	6044 PG. 18
JOB NO.	448881
DSN. BY:	LDA
DWN. BY:	CAD
CHK. BY:	LDA
DATE:	MARCH, 2016
SCALE:	1" = 5'
SHEET	16 OF 29



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	17
FEDERAL AID PROJECT		CONTRACT NO. 97620	



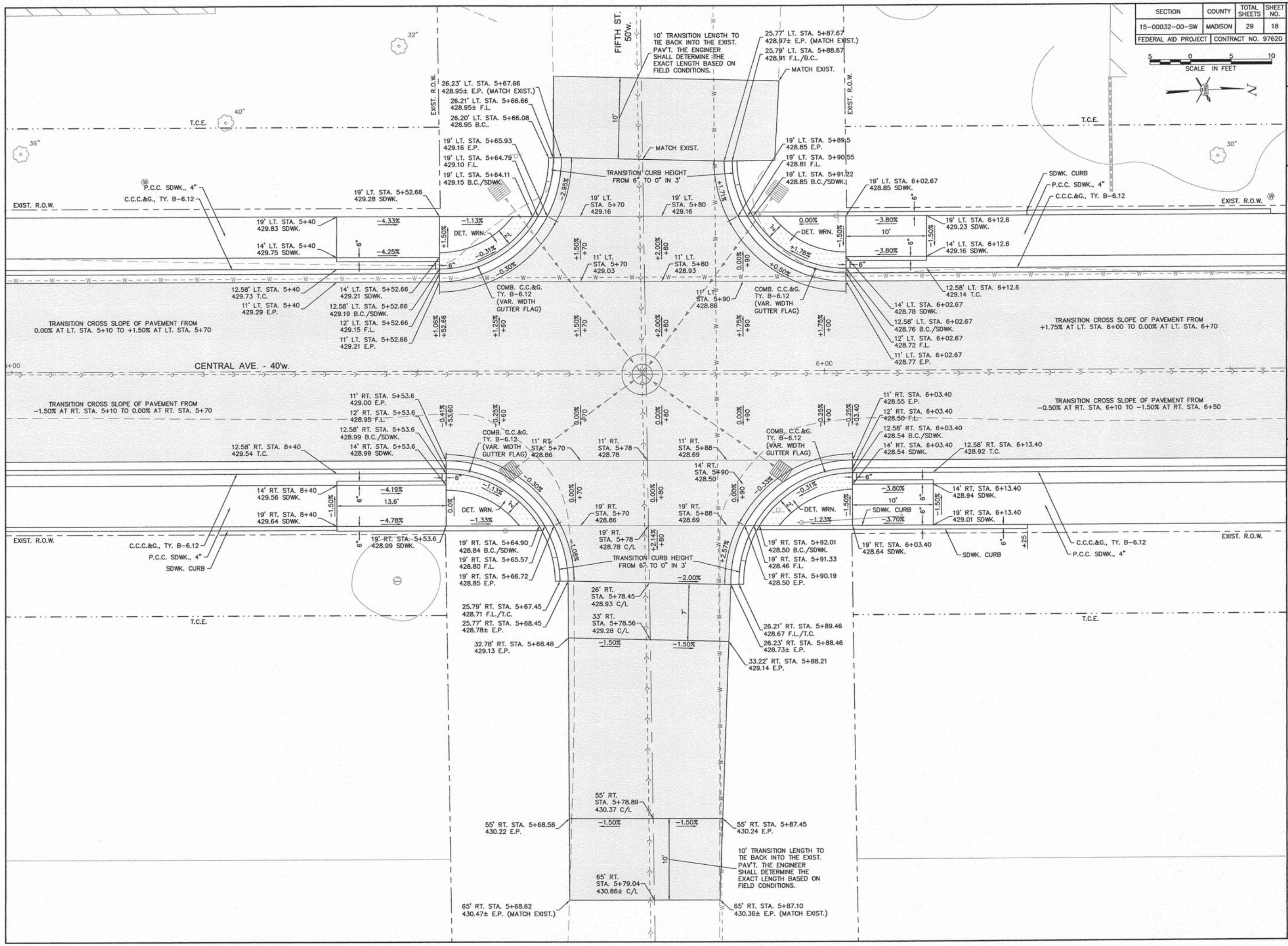
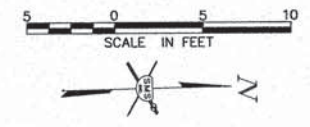
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 10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618/877-5100 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
 SECTION 15-00032-00-SW
 VILLAGE OF HARTFORD
 INTERSECTION DETAILS - SIXTH STREET

DWG. NO.	Q:\HARTFORD CENTRAL
REF. BK.	6044 PG. 18
JOB NO.	448881
DSN. BY:	LDA
DWN. BY:	CAD
CHK. BY:	LDA
DATE:	MARCH, 2016
SCALE:	1" = 5'
SHEET	17 OF 29

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	18
FEDERAL AID PROJECT		CONTRACT NO. 97620	



REVISIONS

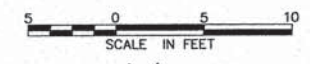
SMS Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
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 15 Central Inland Trail, Suite 3, Granite City, IL 62040, 618/877-9700, E-mail: mail@granitepe.com
 DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
 SECTION 15-00032-00-SW
 VILLAGE OF HARTFORD
 INTERSECTION DETAILS - FIFTH STREET

DWG. NO.	Q:\HARTFORD CENTRAL
AVE 18 FIFTH ST.DWG	
REF. BK. 6044 PG. 18	
JOB NO. 448881	
DSN. BY: LDA	
DWN. BY: CAD	
CHK. BY: LDA	
DATE: MARCH, 2016	
SCALE: 1" = 5'	
SHEET 18 OF 29	

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	19
FEDERAL AID PROJECT		CONTRACT NO. 97620	

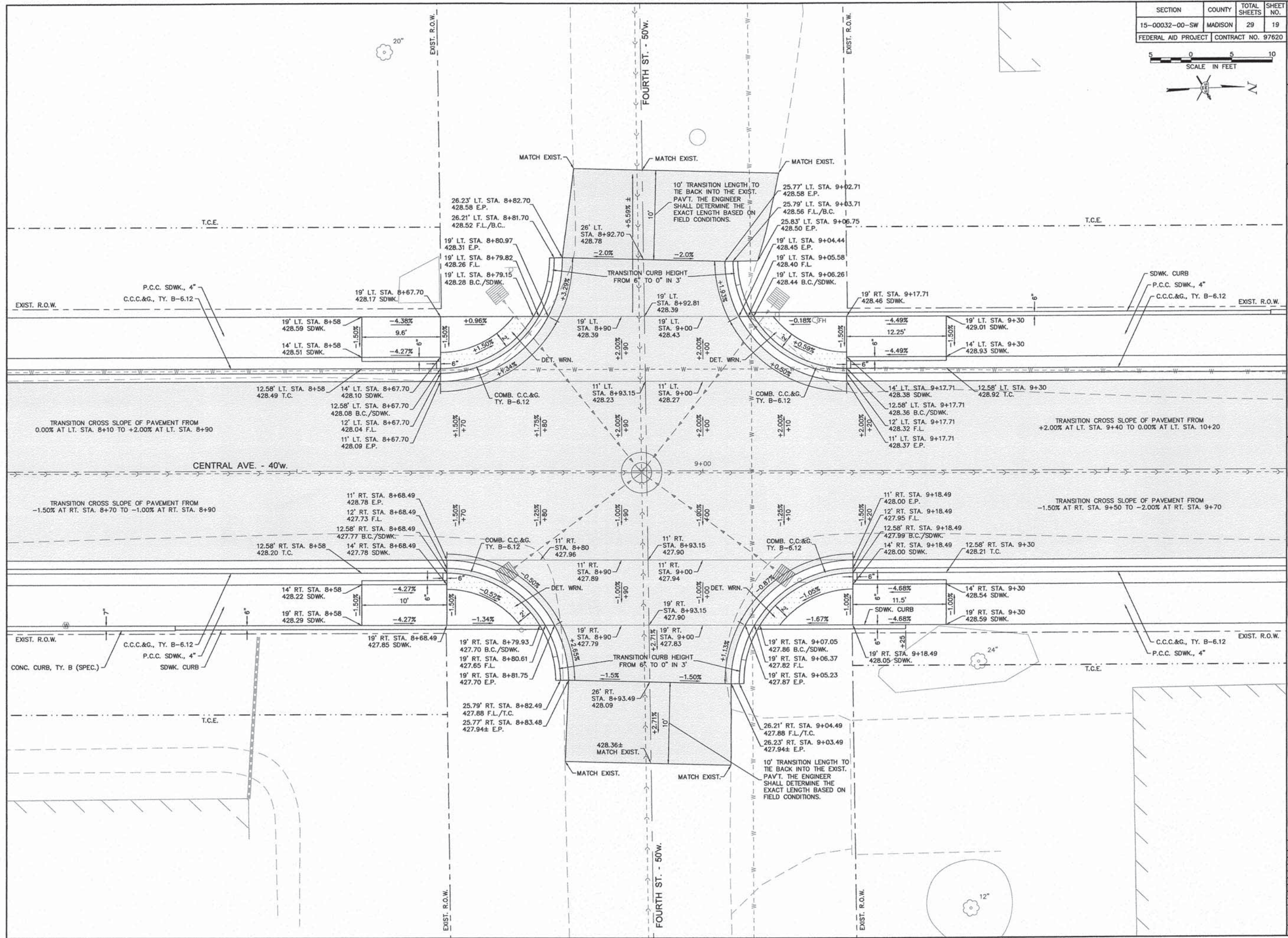


REVISIONS

SMS ENGINEERS
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 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Abbeville, LA 70502, 618-882-2725, E-mail: mail@smsengineers.com
 151 Central Industrial Drive, Suite 3, Gretna, LA 70048, 618-887-5200, E-mail: mail@msgspe.com
 DESIGN FIRM # 184-000992

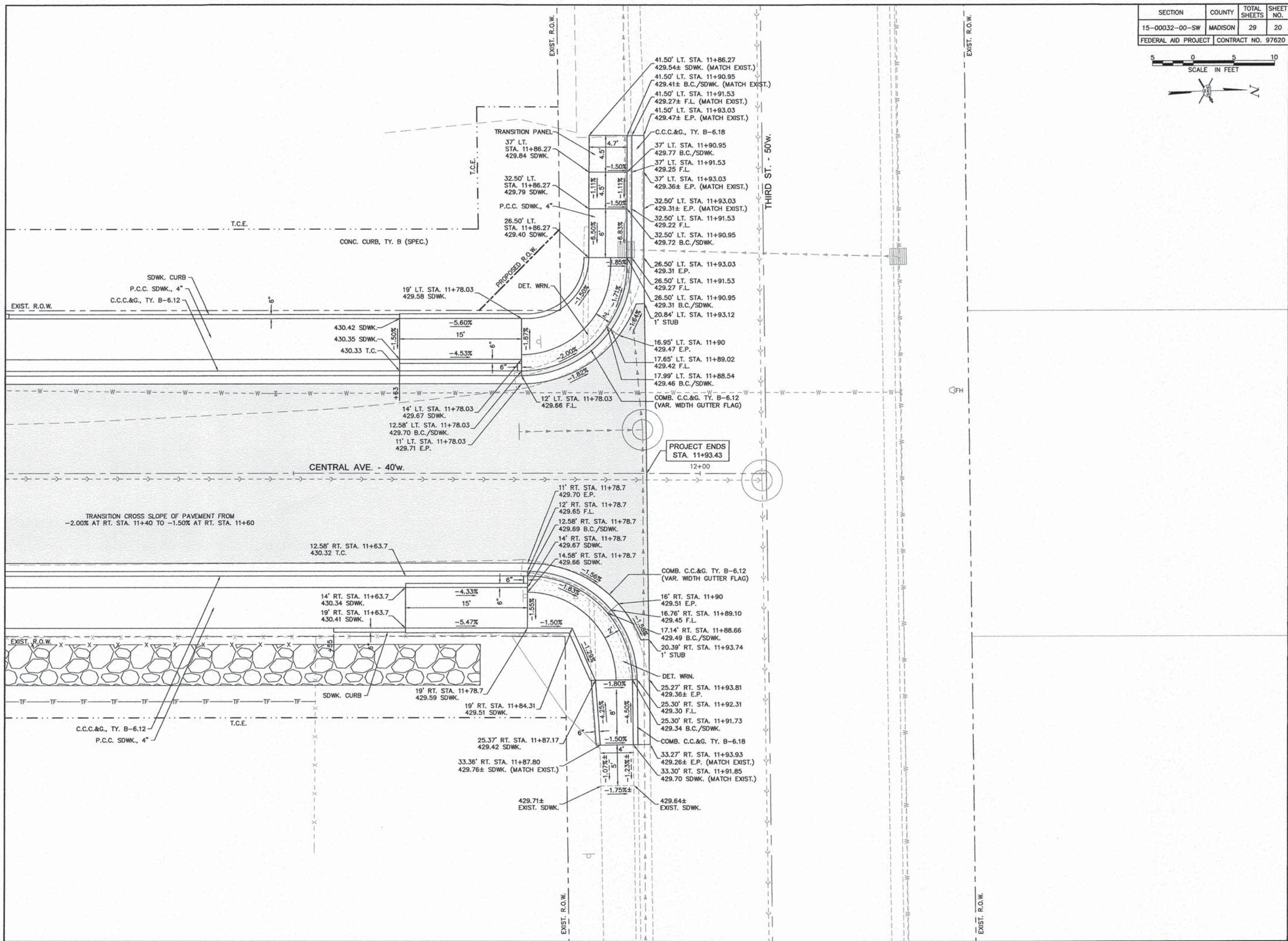
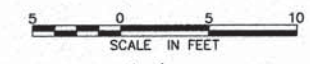
CENTRAL AVENUE SIDEWALKS
SECTION 15-00032-00-SW
VILLAGE OF HARTFORD
INTERSECTION DETAILS - FOURTH STREET

DWG. NO.	Q:\HARTFORD CENTRAL
REF. BK.	6044 PG. 18
JOB NO.	448881
DSN. BY:	LDA
DWN. BY:	CAD
CHK. BY:	LDA
DATE:	MARCH, 2016
SCALE:	1" = 5'
SHEET	19 OF 29



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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	20
FEDERAL AID PROJECT		CONTRACT NO. 97620	



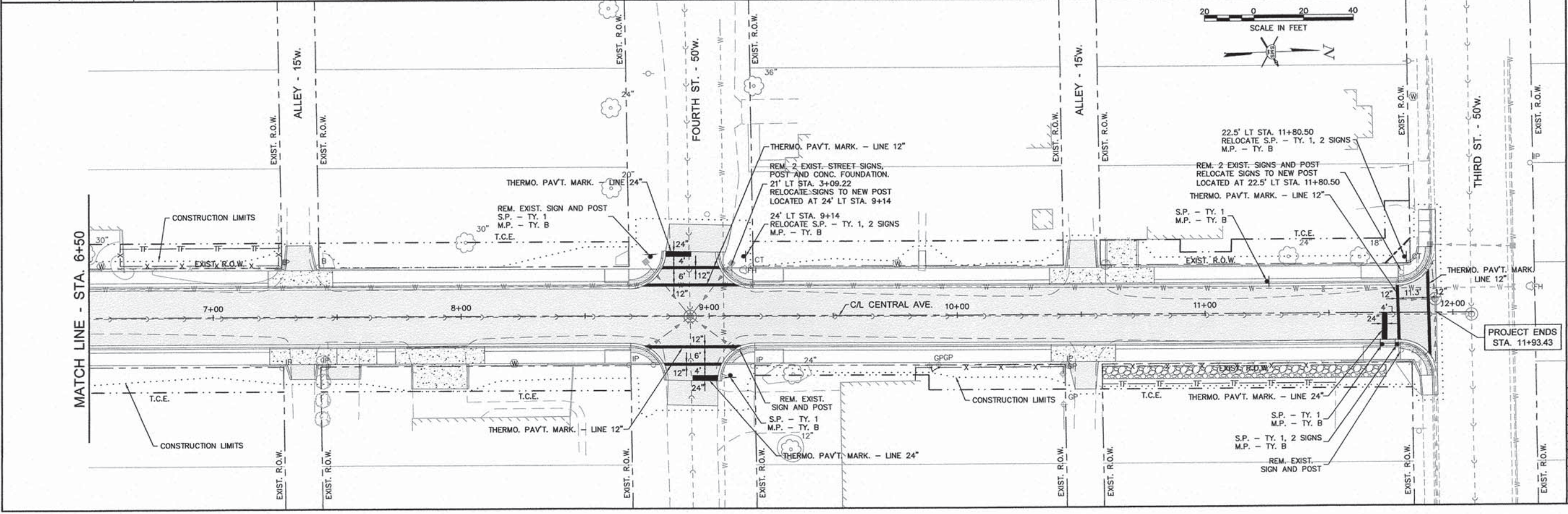
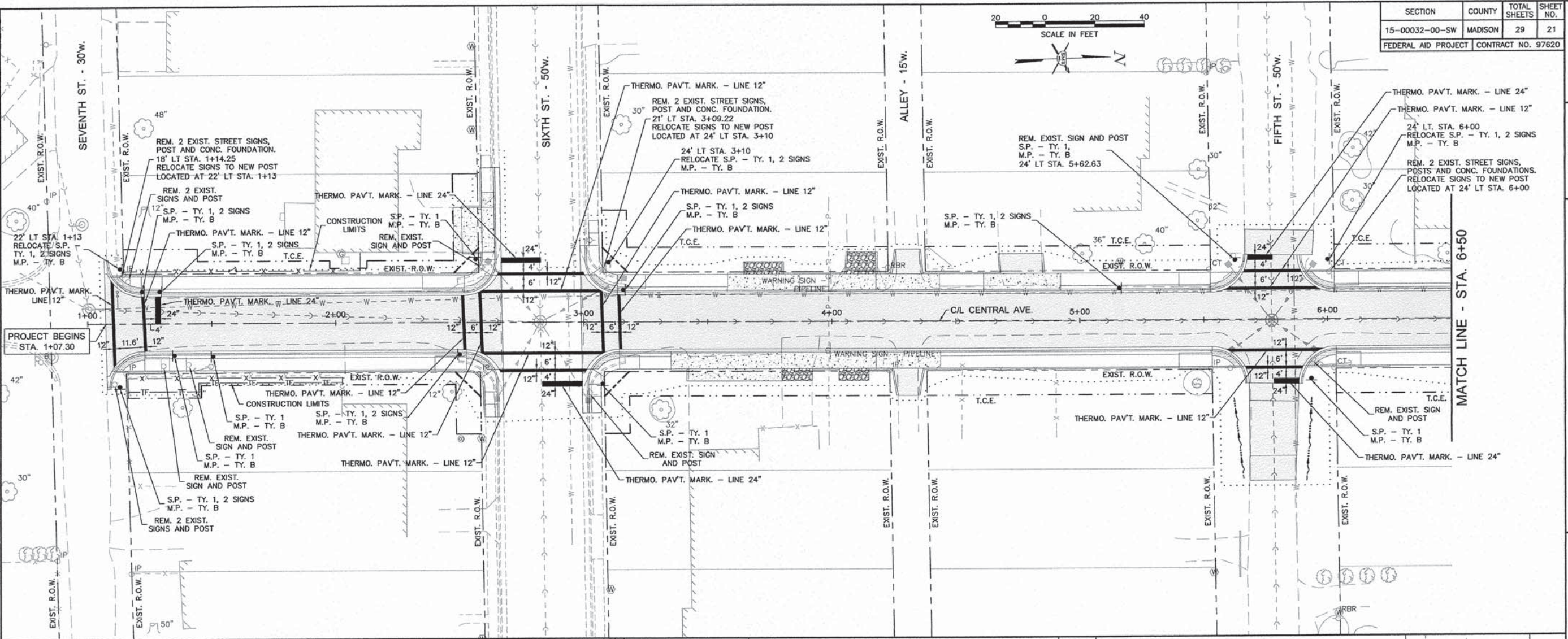
REVISIONS

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216 Main Street, P.O. Box E, Abbeville, LA 70522 618-422-2955 E-mail: mail@smsengineers.com
11 Central Institute Drive, Suite 3, Gretna City, LA 70450 618-777-5700 E-mail: mail@smsengineers.com
DESIGN FIRM # 194-000992

CENTRAL AVENUE SIDEWALKS
SECTION 15-00032-00-SW
VILLAGE OF HARTFORD
INTERSECTION DETAILS - THIRD STREET

DWG. NO.
G:\HARTFORD CENTRAL
AVE\20 THIRD ST.DWG
REF. BK. 6044 PG. 18
JOB NO. 448881
DSN. BY: LDA
DWN. BY: CAD
CHK. BY: LDA
DATE: MARCH, 2016
SCALE: 1" = 5'
SHEET 20 OF 29

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	21
FEDERAL AID PROJECT		CONTRACT NO. 97620	



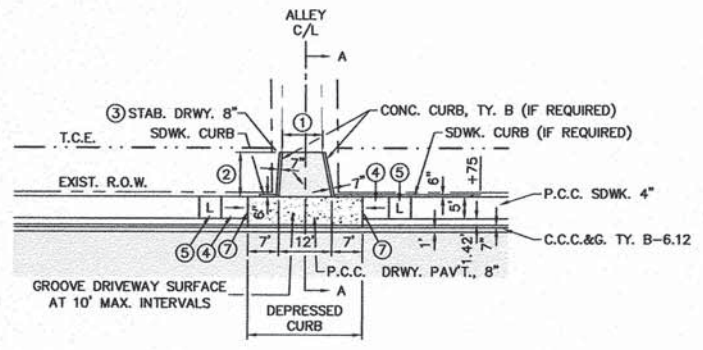
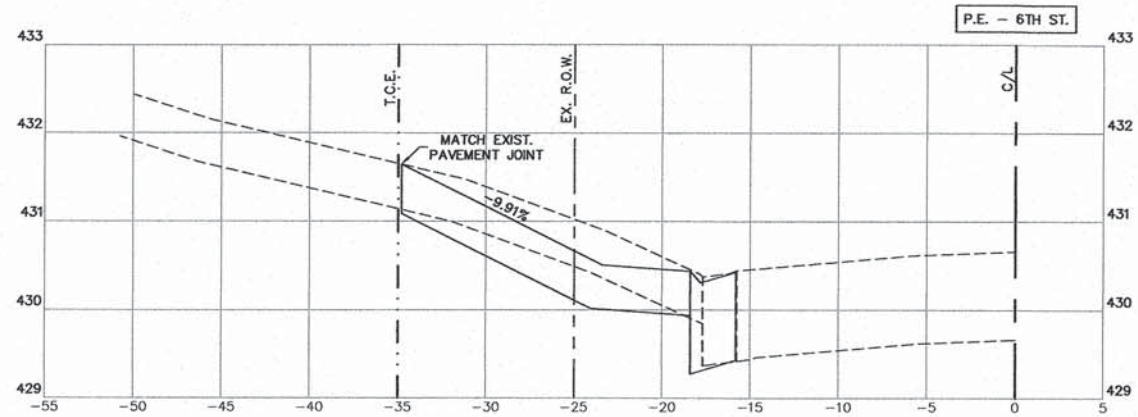
REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
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DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
SECTION 15-00032-00-SW
VILLAGE OF HARTFORD
PAVEMENT MARKING AND SIGNAGE PLAN

DWG. NO.	Q: HARTFORD CENTRAL
REF. NO.	AVE 21 PAVT MARKING.DWG
JOB NO.	6044 PG. 18
DSN. BY:	LDA
CHK. BY:	LDA
DATE:	MARCH, 2016
SCALE:	1" = 20'
SHEET	21 OF 29

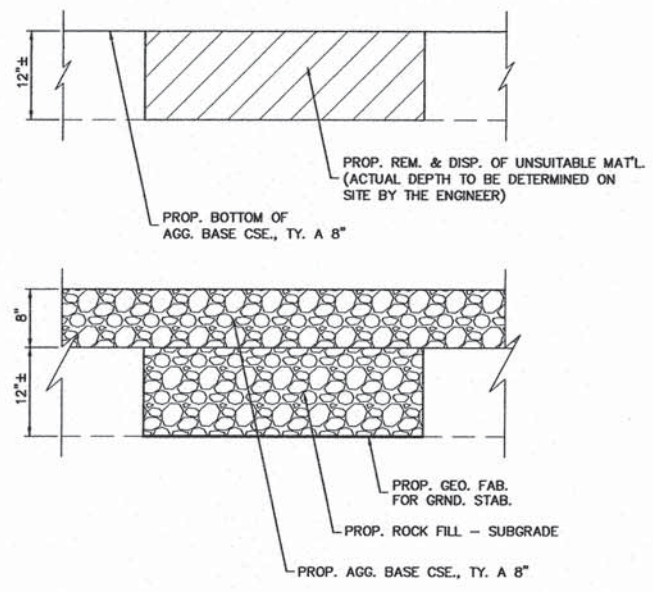
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	22
FEDERAL AID PROJECT		CONTRACT NO. 97620	



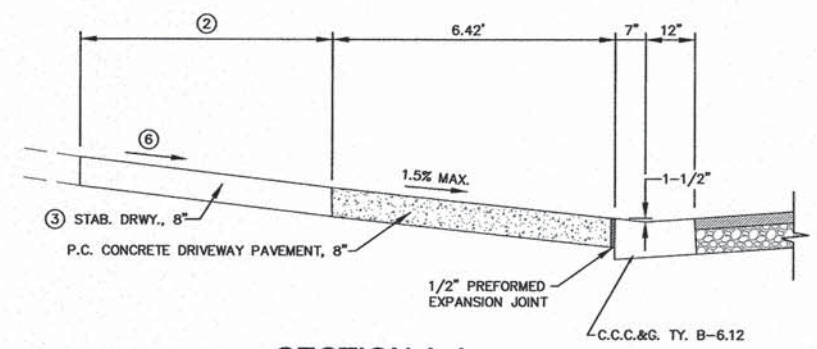
PLAN
NOT TO SCALE

NOTES

- ① SEE PLAN/PROFILE SHEETS OR ENTRANCE SCHEDULE FOR EXIST. WIDTHS.
- ② SEE PLAN/PROFILE SHEETS OR ENTRANCE SCHEDULE FOR TRANSITION LENGTH.
- ③ THE CONTRACTOR HAS THE OPTION OF USING P.C.C. DRIVEWAY PAV'T., 8" OR 3" OF H.M.A. ON 8" OF AGG. BASE CSE., TY. A, MATCHING THE TYPICAL SECTION OF CENTRAL AVE.
- ④ RAMP 1:12 MAX. OR 15' MAX. LENGTH
- ⑤ UPPER LANDING ONLY REQUIRED IF RAMP EXCEEDS 5.00% 5' IS THE DESIRED LENGTH, 4' IS THE MIN.
- ⑥ SEE CROSS SECTIONS
- ⑦ 1/2" EXPANSION JOINT
- ⑧ DUE TO THE ENTRANCE GRADES, SOME ENTRANCES WILL REQUIRE CONCRETE CURB, TYPE B OR CONCRETE CURB, TYPE B (SPECIAL).

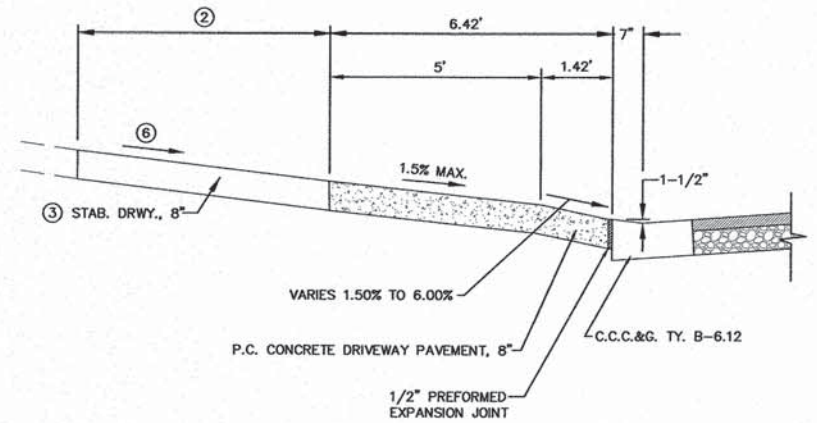


DETAIL: REMOVAL/REPAIR AREAS
NOT TO SCALE



SECTION A-A
NOT TO SCALE

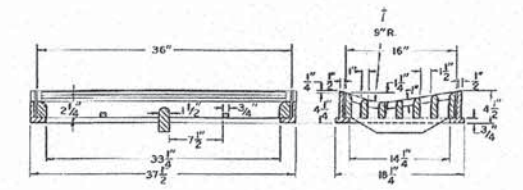
TO BE USED: LT. STA. 4+30.24
RT. STA. 4+30.85
RT. STA. 7+35.28
RT. STA. 10+50.92



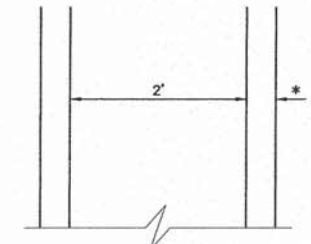
SECTION A-A
NOT TO SCALE

TO BE USED: RT. STA. 7+35.88
LT. STA. 10+50.31

DETAIL: ALLEYS
NOT TO SCALE



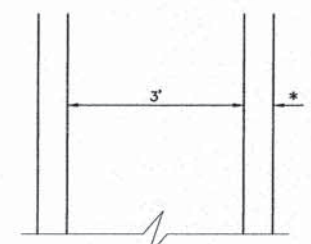
FRAME AND GRATES TO BE USED WITH INLETS SHOWN BELOW
NOT TO SCALE.



* SEE HIGHWAY STANDARD 602301 FOR ADDITIONAL DETAILS AND ALTERNATE MATERIALS FOR WALLS

DETAIL: INLETS, SPECIAL, NO. 1
INLETS, SPECIAL, NO. 3

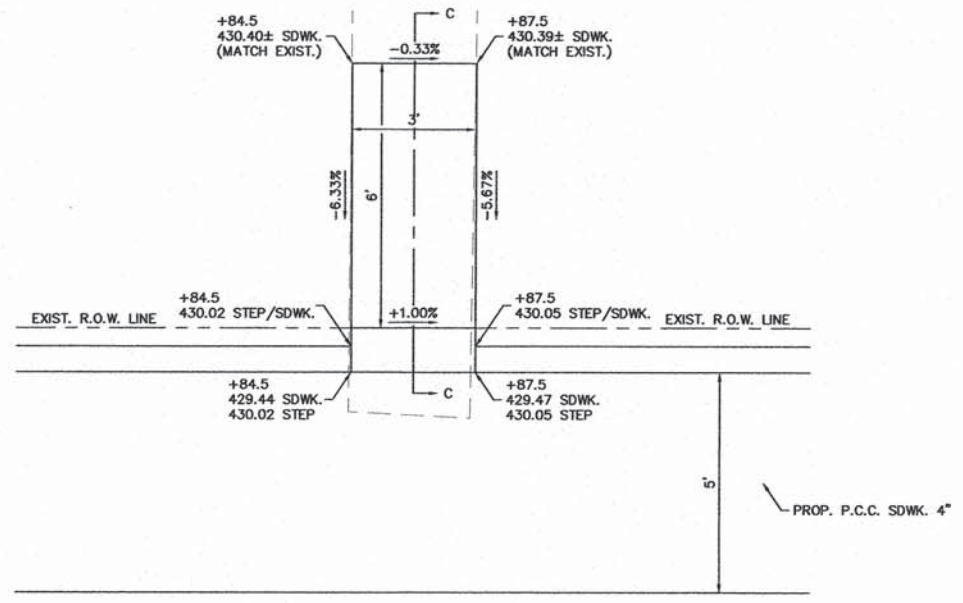
NOT TO SCALE
TO BE USED: LT. STA. 3+68.44
RT. STA. 4+18



* SEE HIGHWAY STANDARD 602306 FOR ADDITIONAL DETAILS AND ALTERNATE MATERIALS FOR WALLS

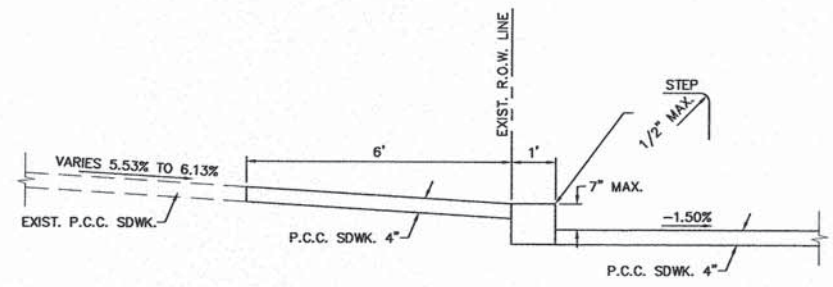
DETAIL: INLETS, SPECIAL, NO. 2

NOT TO SCALE
TO BE USED: RT. STA. 3+68.44



DETAIL: SIDEWALK/STEP
SCALE: 1" = 2"

TO BE USED: LT. STA. 9+84.50 TO STA. 9+87.50



SECTION C-C
SCALE: 1" = 2"

REVISIONS

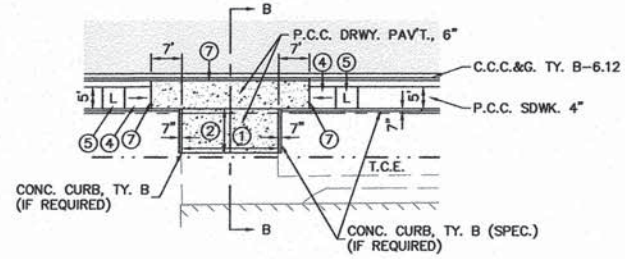
SMS ENGINEERS
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212 Market Street, P.O. Box E, Alton, IL 62002 618/463-8755 E-mail: mail@smsengineers.com
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DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
SECTION 15-00032-00-SW
VILLAGE OF HARTFORD
DETAILS OF CONSTRUCTION

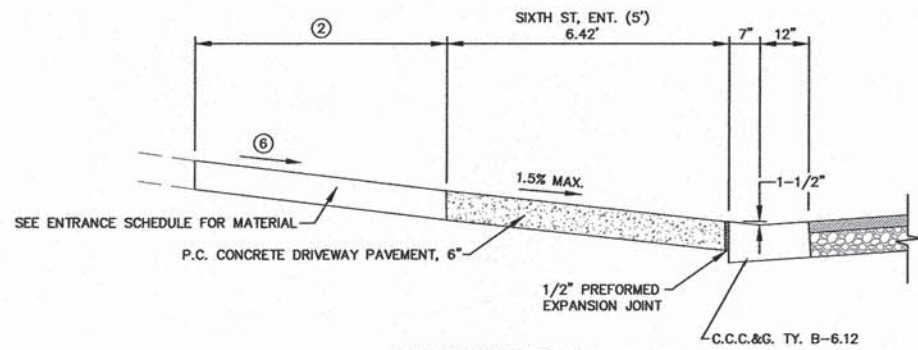
DWG. NO.	Q: HARTFORD CENTRAL AVE 22-23 DETAILS.DWG
REF. BK.	PG.
JOB NO.	448881
DSN. BY:	LDA
DWN. BY:	CAD
CHK. BY:	LDA
DATE:	MARCH, 2016
SCALE:	AS SHOWN
SHEET	22 OF 29

ML_3D PROJECTS\HARTFORD (448881.0) CENTRAL AVE SIDEWALK TAP\Production Drawings\22-23 DETAILS.dwg, 3/17/2016 8:36:52 AM, jiman, 15

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	23
FEDERAL AID PROJECT		CONTRACT NO. 97620	

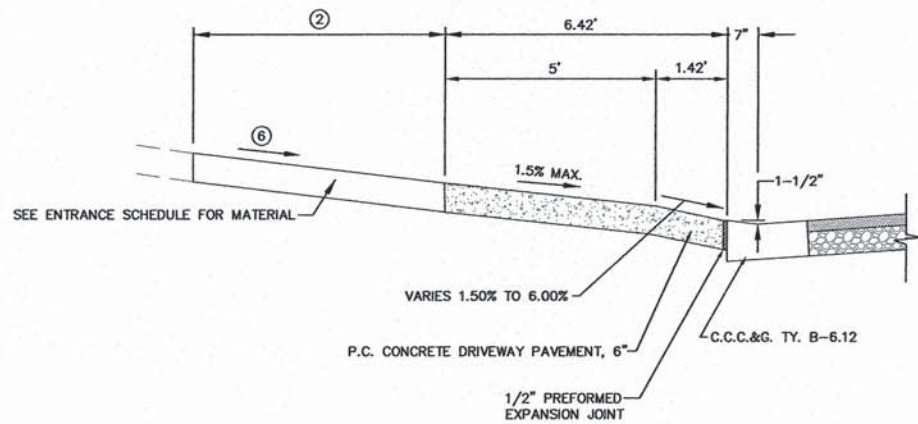


PLAN
NOT TO SCALE



SECTION B-B
NOT TO SCALE

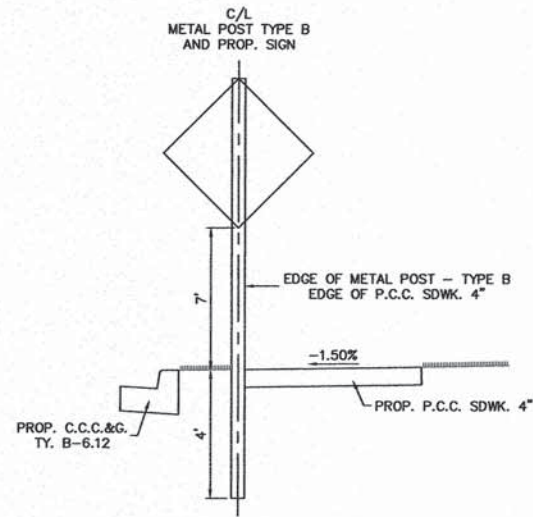
TO BE USED: SIXTH ST. ENT.
P.E.L. 3+72.50
P.E.L. 4+11.86
P.E.L. 4+76.64



SECTION B-B
NOT TO SCALE

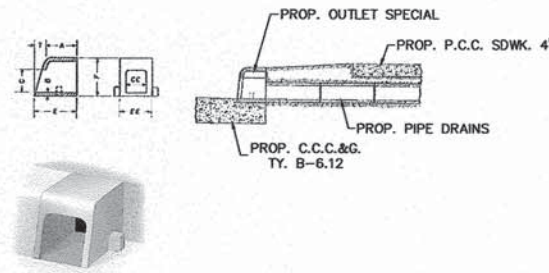
TO BE USED: P.E.R. 3+67.30
P.E.R. 4+09
P.E.R. 7+52.58
P.E.R. 7+91.55
P.E.L. 10+66.50

DETAIL: ENTRANCES
NOT TO SCALE



DETAIL: METAL POST PLACEMENT
NOT TO SCALE

TO BE USED: 12.87' LT. STA. 1+22
12.87' LT. STA. 1+29
12.87' RT. STA. 1+35
12.87' RT. STA. 1+50
12.87' RT. STA. 2+50
12.87' LT. STA. 3+16
12.87' LT. STA. 5+16
12.87' LT. STA. 11+25
12.87' RT. STA. 11+71.4
12.87' RT. STA. 11+77.50

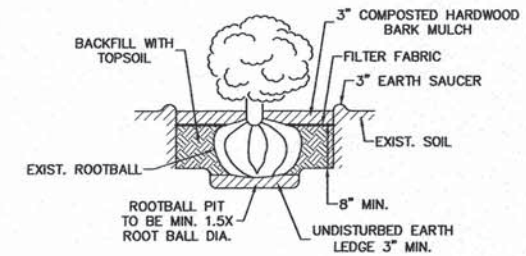


DIMENSIONS

A	B	C	C-C	E	E-E	F	T
5	1/2	4	5 1/2	6	6 1/2	6 1/2	1

DETAIL: OUTLET SPECIAL
NOT TO SCALE

TO BE USED: LT. 6+35.50
LT. 6+64
RT. 8+45



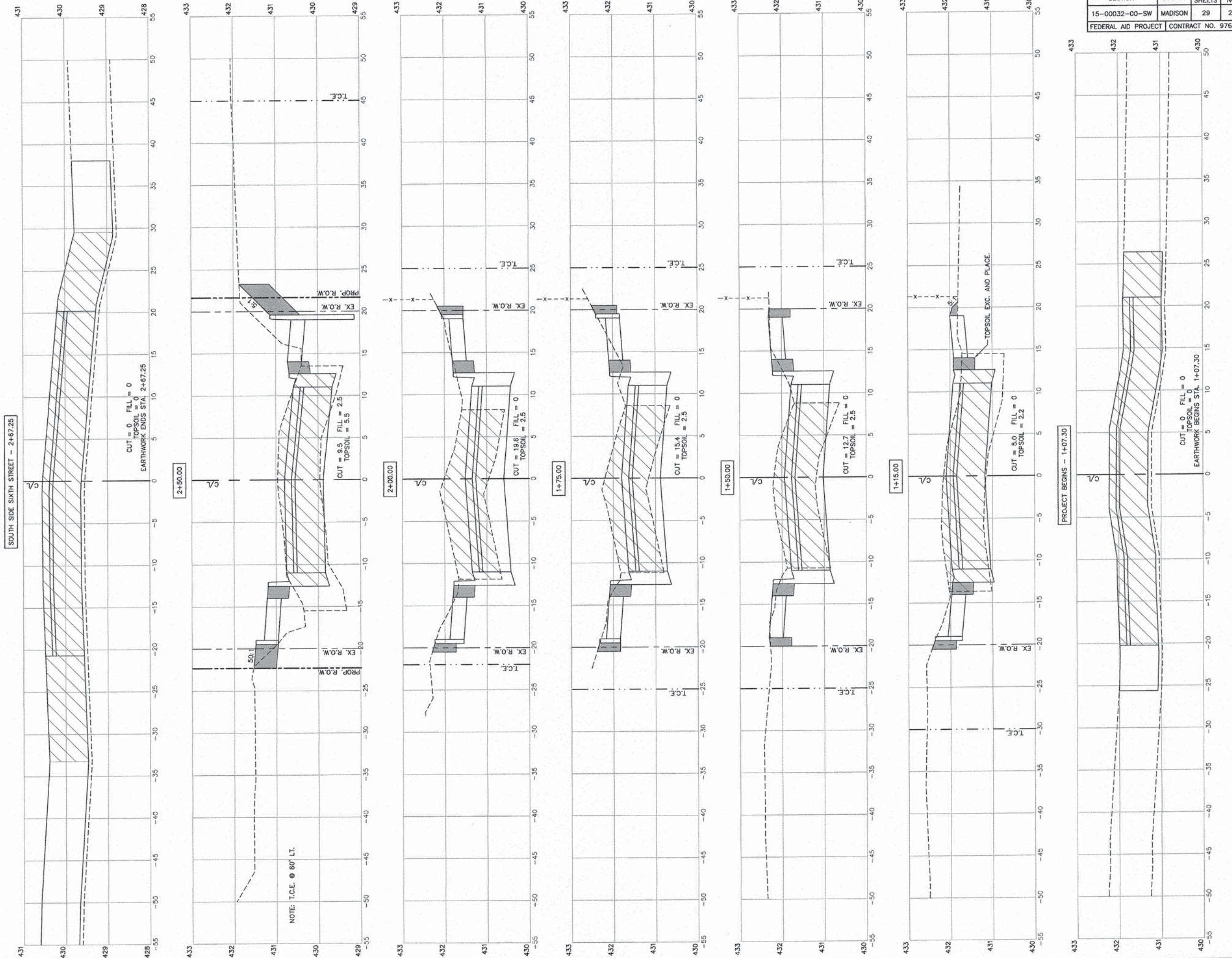
DETAIL: SHRUBS TO BE RELOCATED
NOT TO SCALE

REVISIONS

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DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
SECTION 15-00032-00-SW
VILLAGE OF HARTFORD
DETAILS OF CONSTRUCTION

DWG. NO. 03 HARTFORD CENTRAL
AVENUE 22-23 DETAILS.DWG
REF. BK. PG.
JOB NO. 448881
DSN. BY: LDA
DWN. BY: CAD
CHK. BY: LDA
DATE: MARCH, 2016
SCALE: AS SHOWN
SHEET 23 OF 29



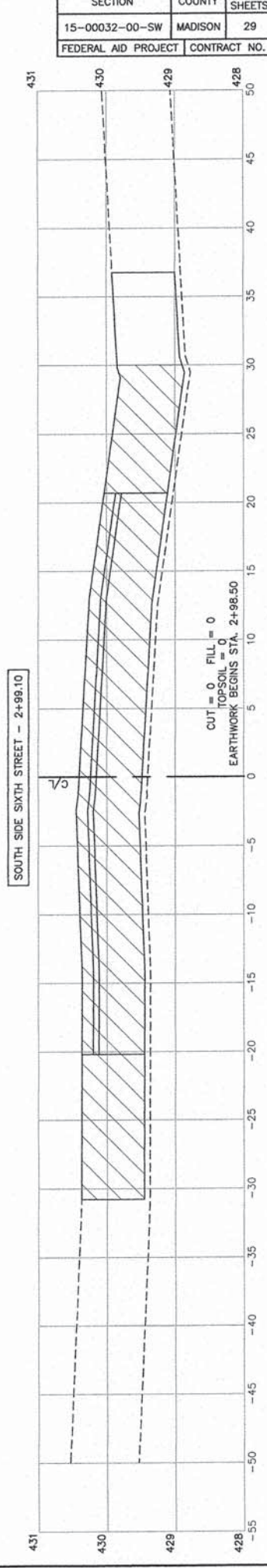
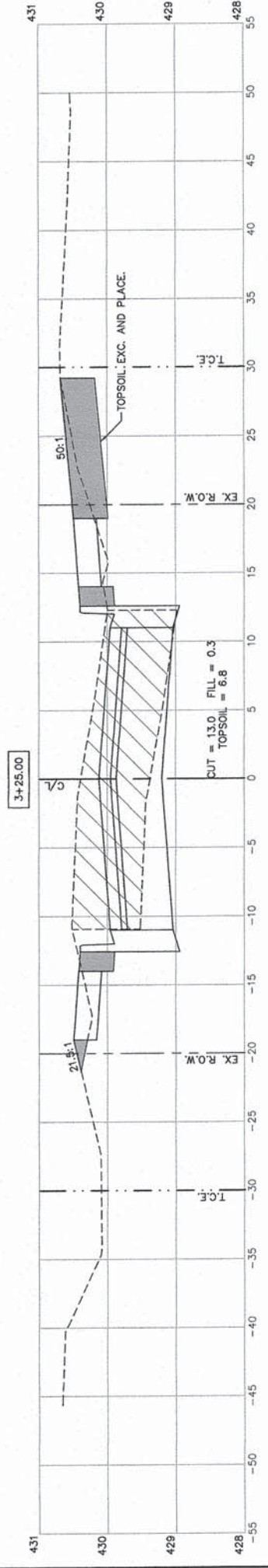
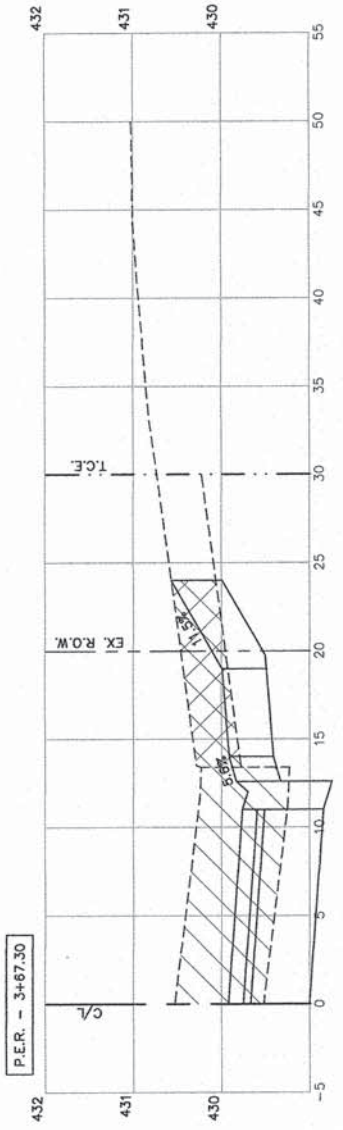
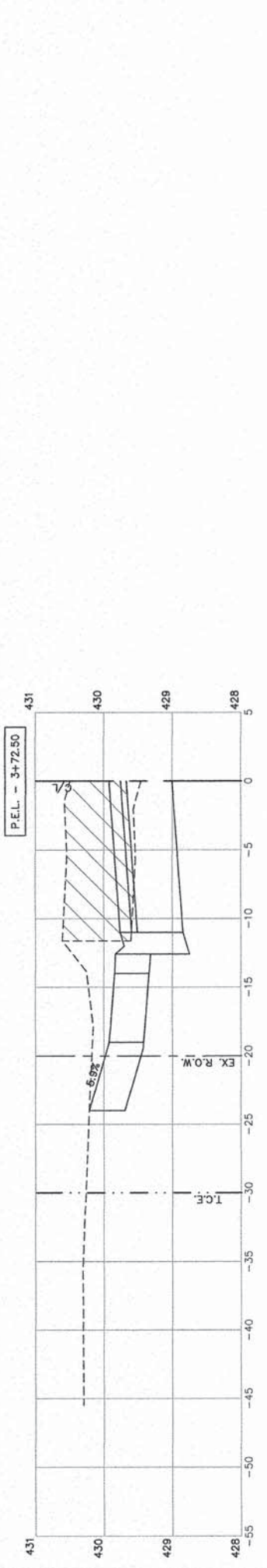
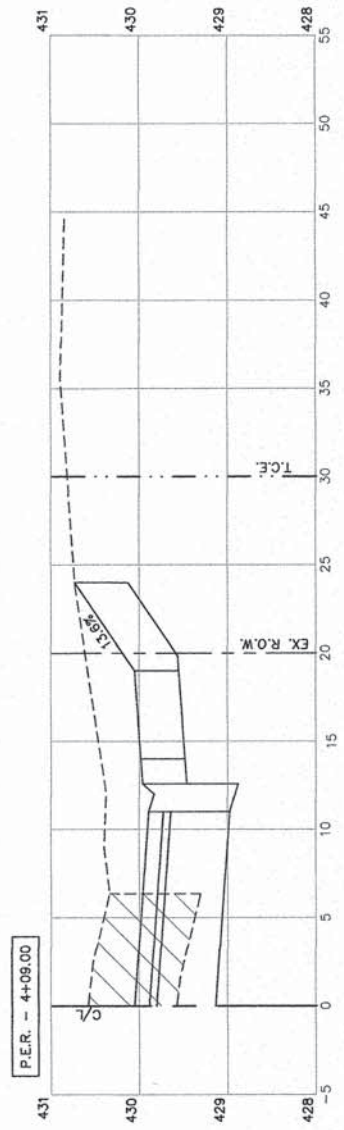
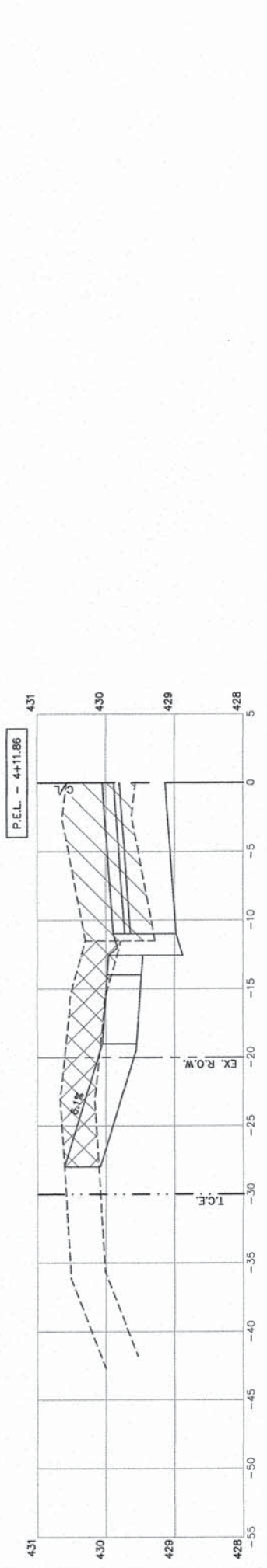
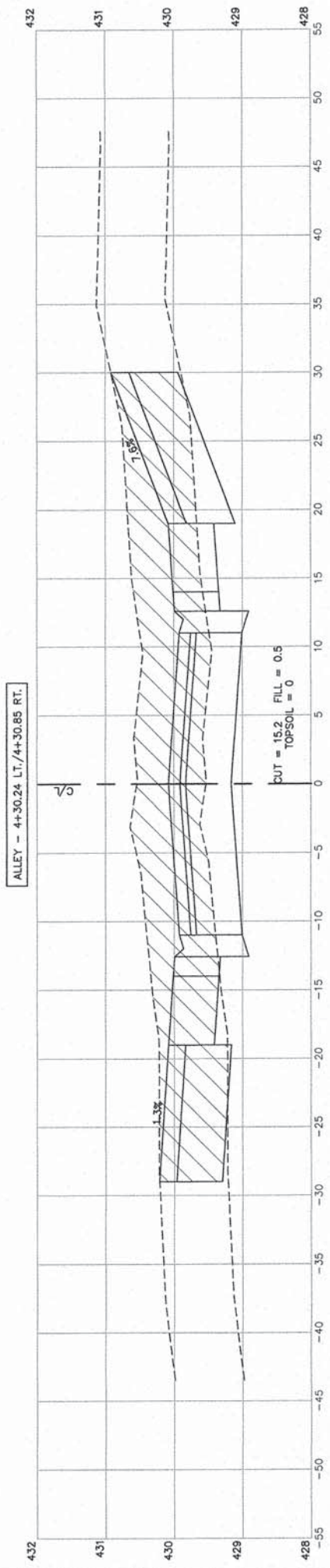
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	24
FEDERAL AID PROJECT		CONTRACT NO. 97620	

REVISIONS

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 DESIGN FIRM # 184-000892

CENTRAL AVENUE SIDEWALKS
 SECTION 15-00032-00-SW
 VILLAGE OF HARTFORD
 CROSS SECTIONS

DWG. NO.	Q:\HARTFORD CENTRAL AVE\24-29 XSECTS.DWG
REF. BK.	6044 PG. 18
DSN. NO.	448881
DWN. BY:	CAD
CHK. BY:	LDA
DATE:	MARCH, 2016
SCALE:	NOT TO SCALE
SHEET	24 OF 29



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	25
FEDERAL AID PROJECT	CONTRACT NO. 97620		

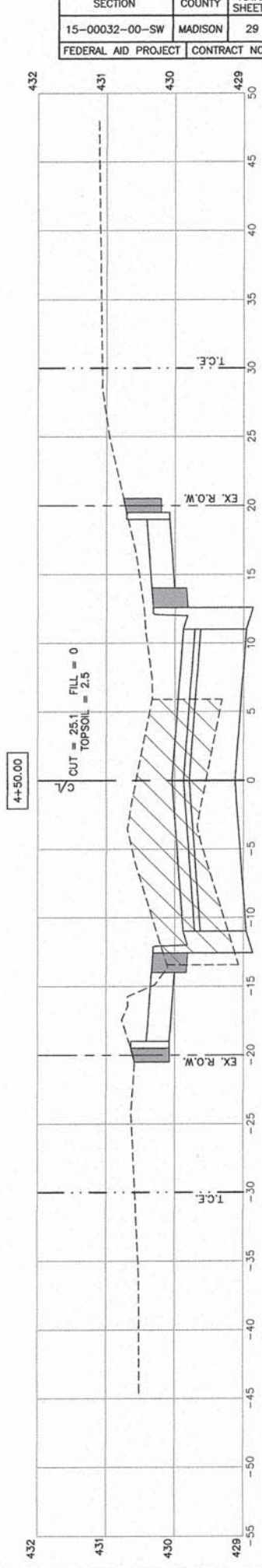
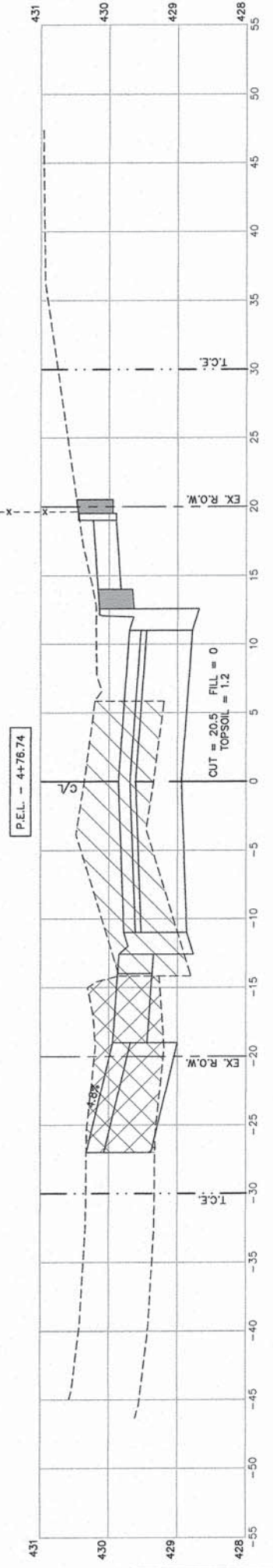
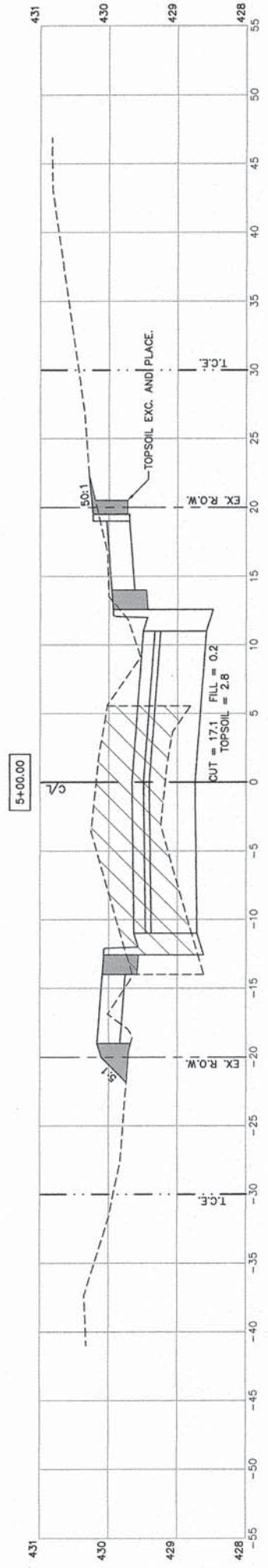
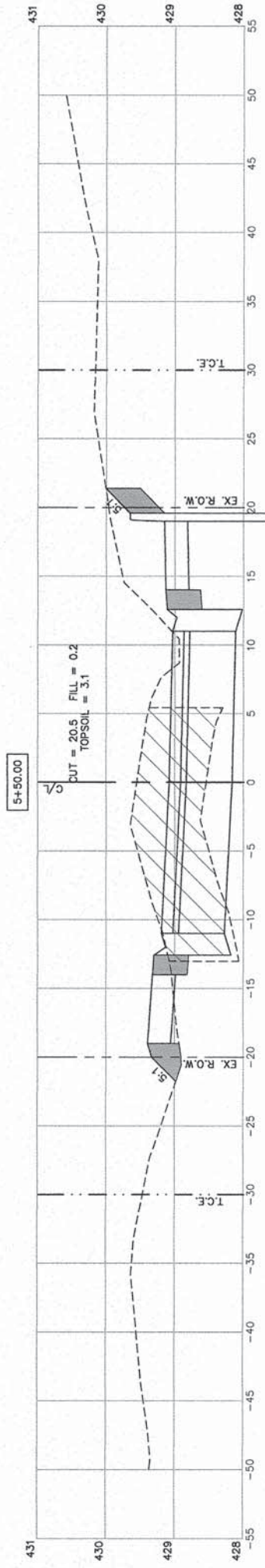
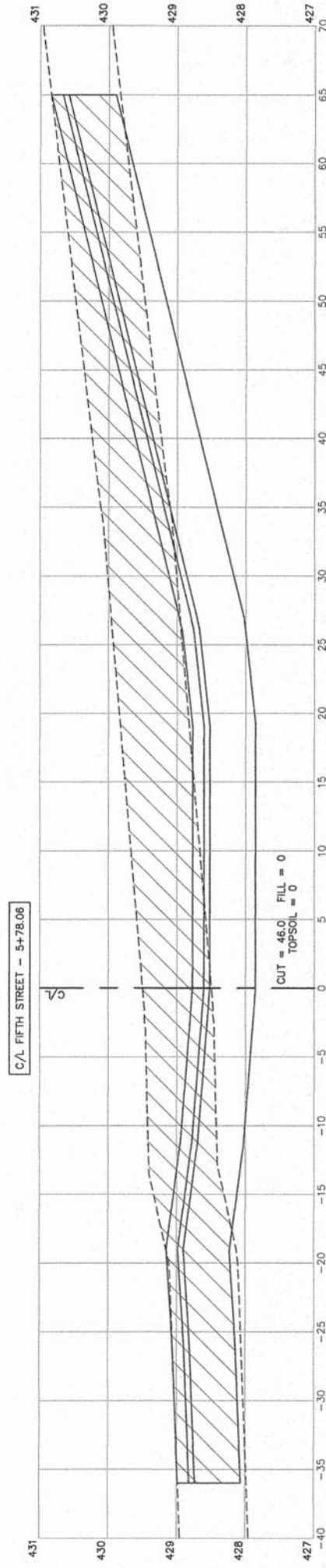
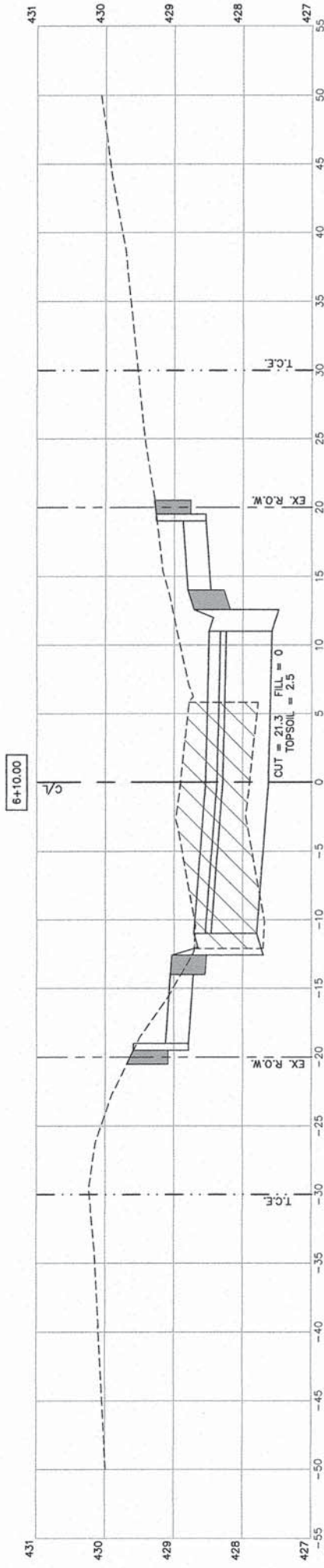
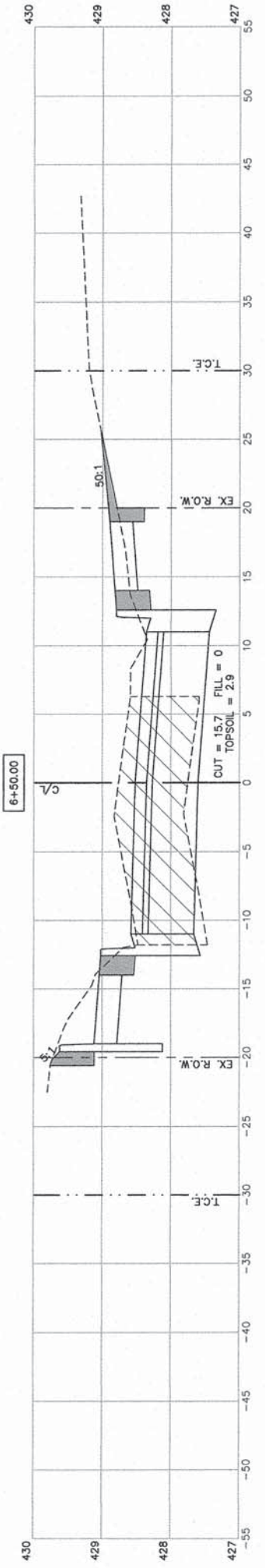
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 30 Central Industrial Drive, Suite 3, Gretna City, IL 62501 618/677-6700 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
 SECTION 15-00032-00-SW
 VILLAGE OF HARTFORD
 CROSS SECTIONS

DWG. NO.	Q:\HARTFORD CENTRAL AVE 24-28 XSECTS.DWG
REF. BK.	6044 PG. 18
JOB NO.	448881
DSN. BY:	LDA
DWN. BY:	CAD
CHK. BY:	LDA
DATE:	MARCH, 2016
SCALE:	NOT TO SCALE
SHEET	25 OF 29

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	26
FEDERAL AID PROJECT		CONTRACT NO. 97620	

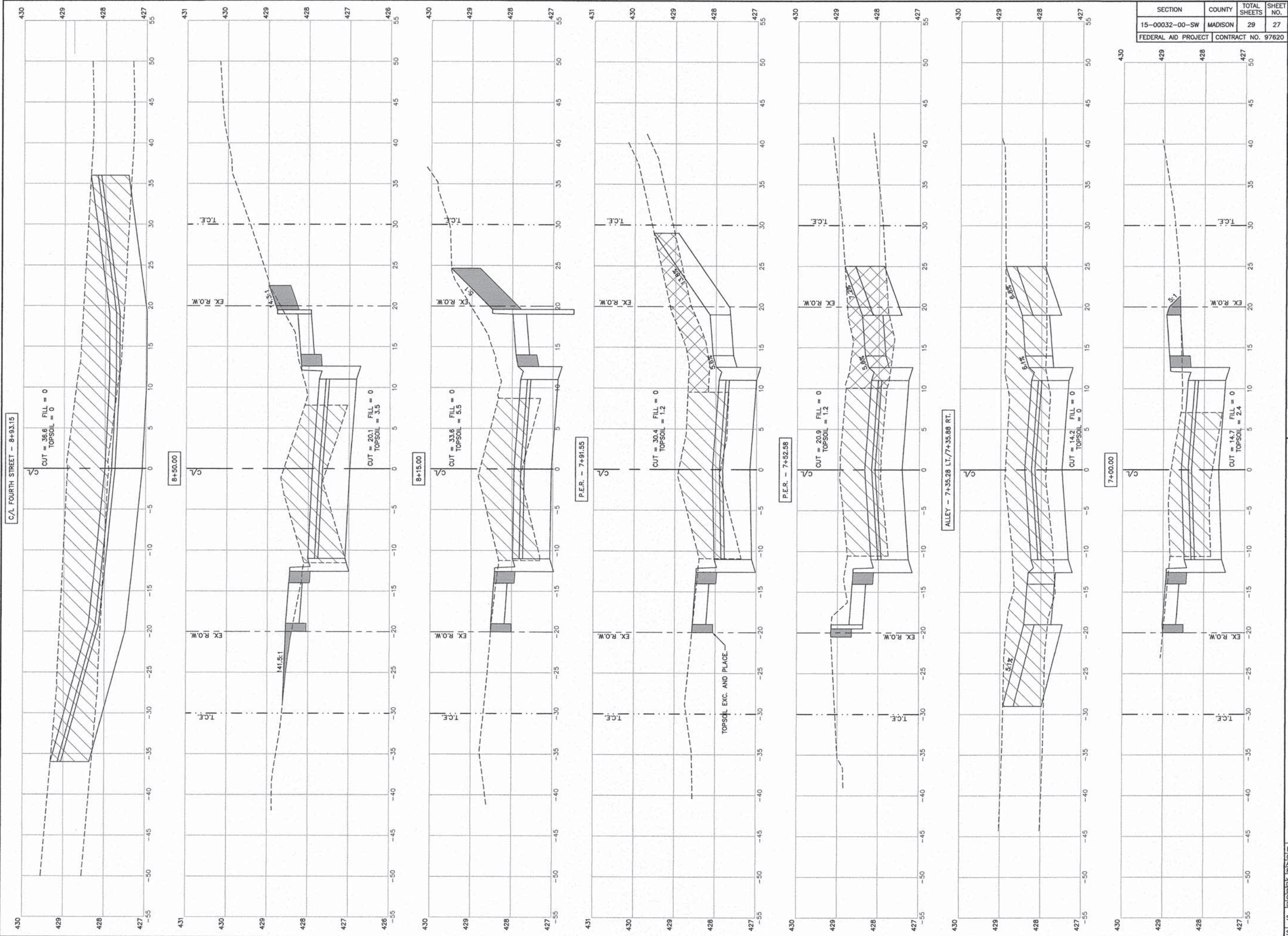


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 11 Central Executive Drive, Suite 3, Omaha, NE 68106 418.777.5700 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
 SECTION 15-00032-00-SW
 VILLAGE OF HARTFORD
 CROSS SECTIONS

DWG. NO.	Q:\HARTFORD CENTRAL
AVE\24-28 XSECTS.DWG	
REF. BK	6044 PG. 18
JOB NO.	448881
DSN. BY:	LDA
DWN. BY:	CAD
CHK. BY:	LDA
DATE:	MARCH, 2016
SCALE:	NOT TO SCALE
SHEET	26 OF 29



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	27
FEDERAL AID PROJECT		CONTRACT NO. 97620	

REVISIONS

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 10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618/877-4700 E-mail: mail@smssheppard.com
 DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
 SECTION 15-00032-00-SW
 VILLAGE OF HARTFORD
 CROSS SECTIONS

DWG. NO.	Q:\HARTFORD CENTRAL AVE\24-28 XSECTS.DWG
REF. DWG. NO.	5044 PG. 18
JOB NO.	448881
DSN. BY:	LDA
DWN. BY:	CAD
CHK. BY:	LDA
DATE:	MARCH, 2016
SCALE:	NOT TO SCALE
SHEET	27 OF 29

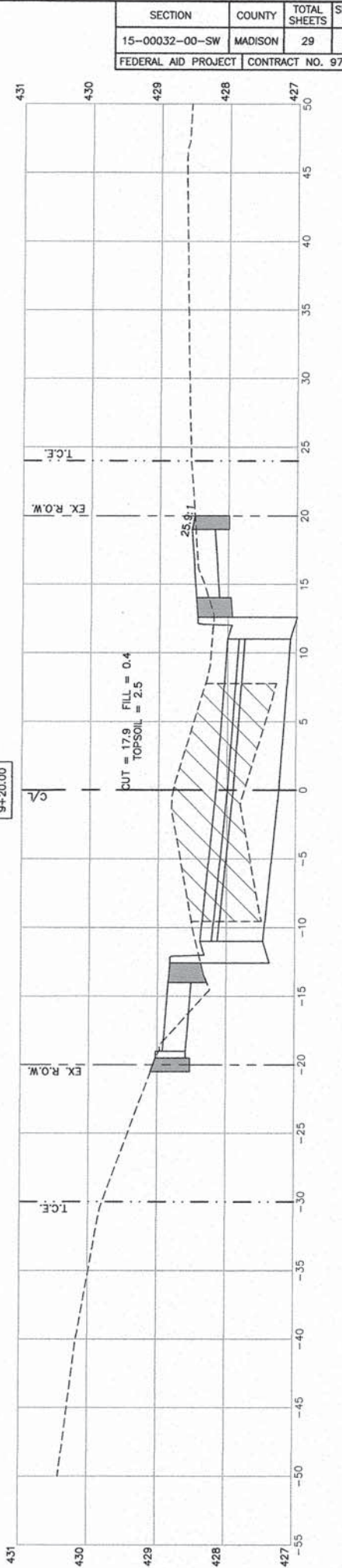
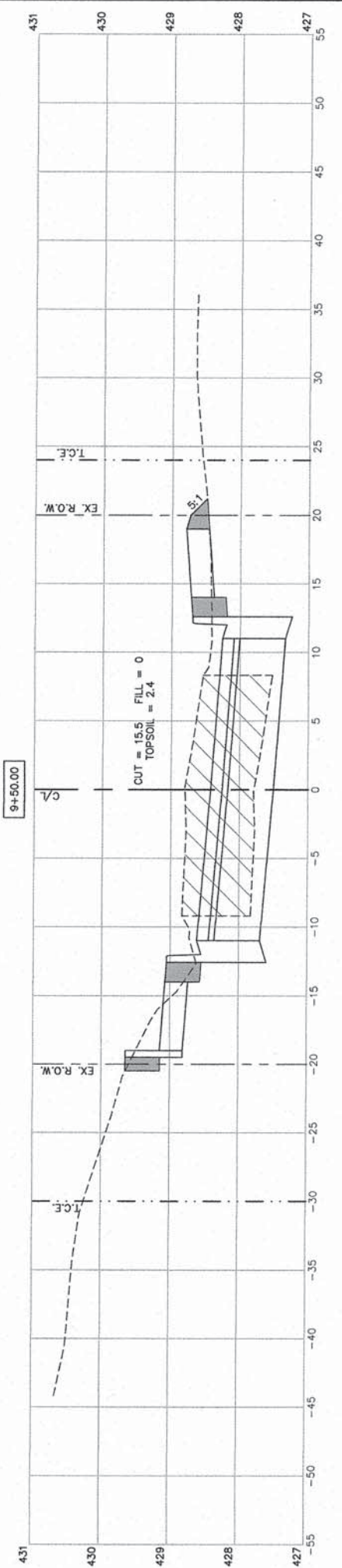
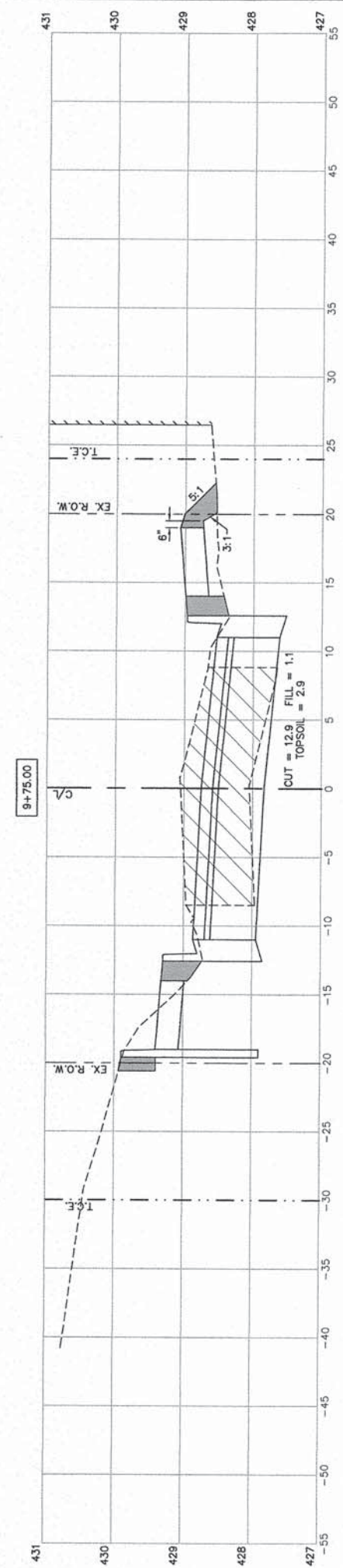
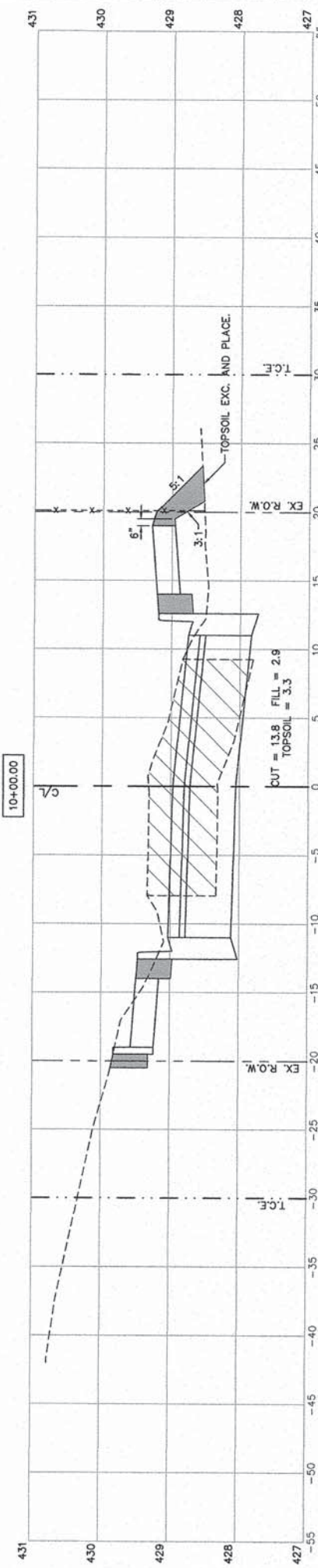
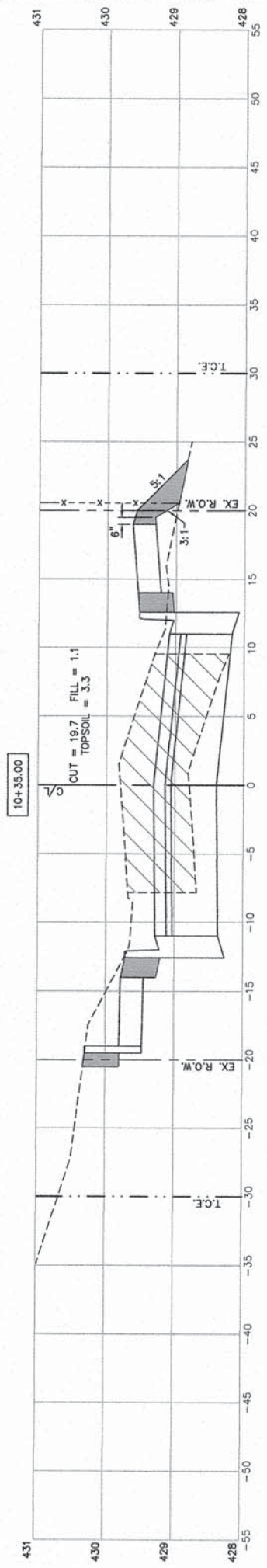
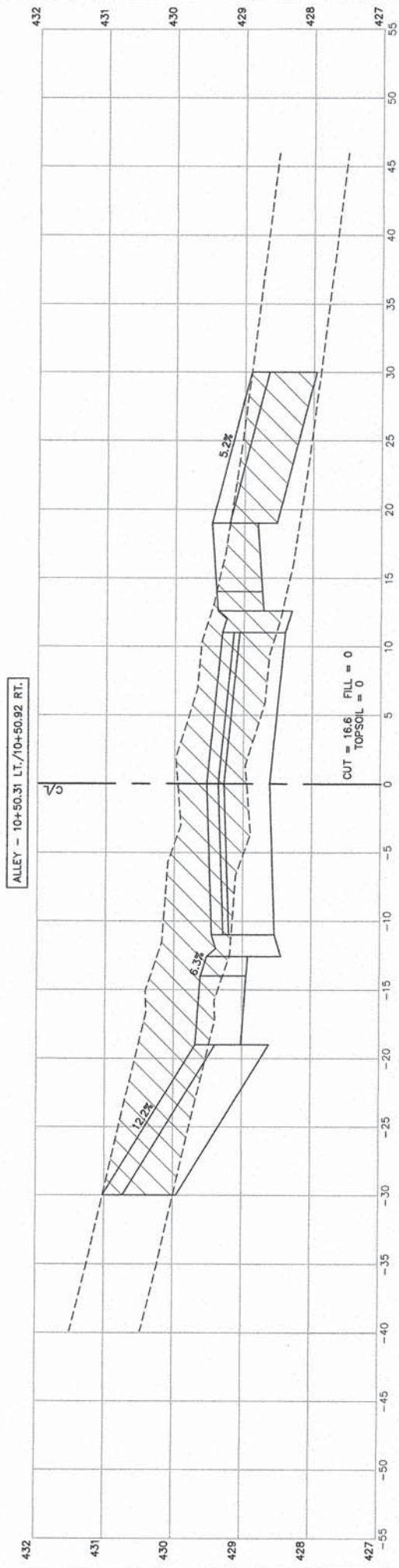
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	28
FEDERAL AID PROJECT	CONTRACT NO.	97620	

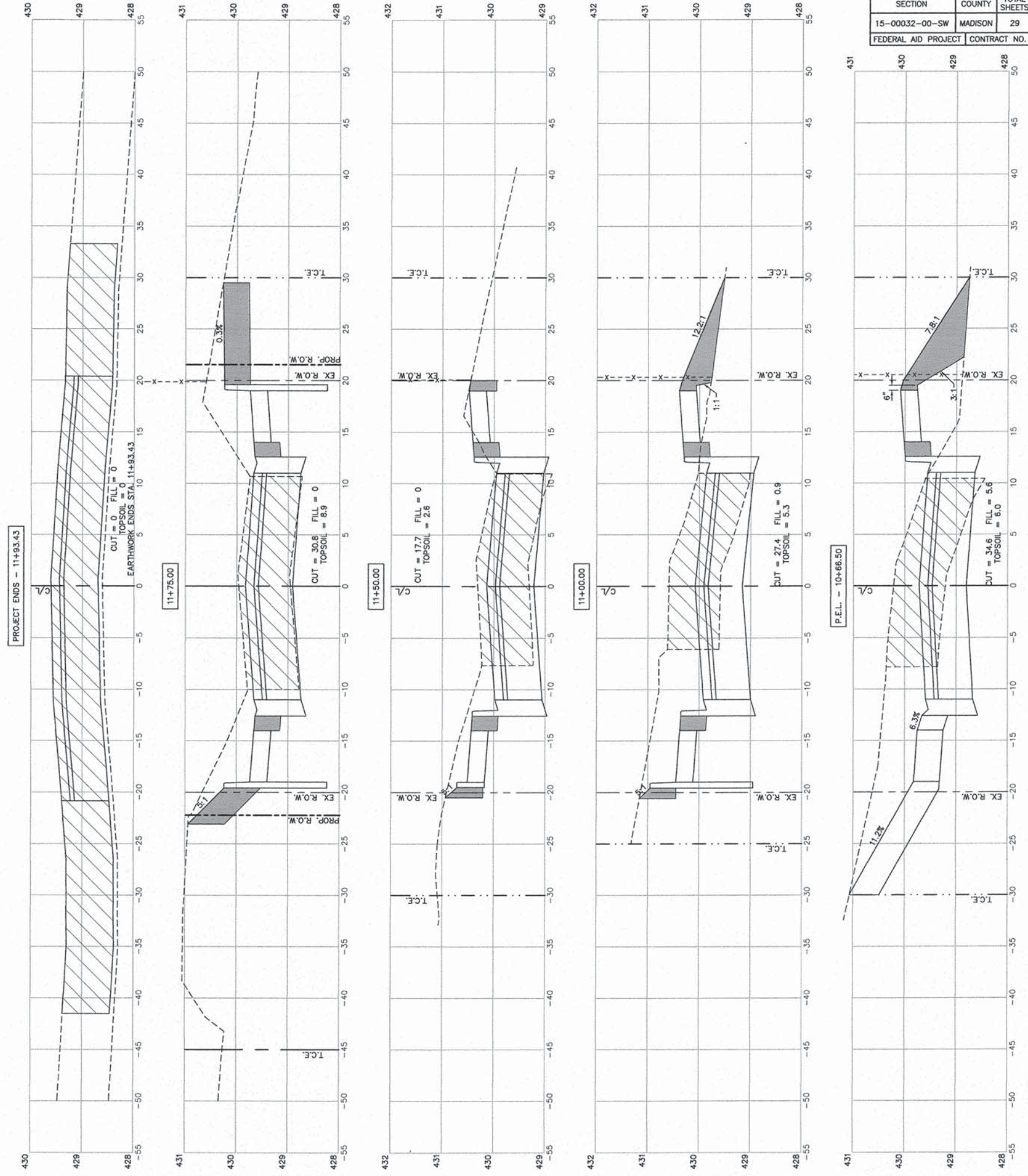
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 118 Market Street, P.O. Box E, Alton, IL 62002, 618-662-9755, E-mail: sma@smsengineers.com
 810 Central Industrial Park, Suite 1, Central City, IL 62601, 618-777-9700, E-mail: sma@smsengineers.com
 DESIGN FIRM # 184-000992

CENTRAL AVENUE SIDEWALKS
 SECTION 15-00032-00-SW
 VILLAGE OF HARTFORD
 CROSS SECTIONS

DWG. NO.
 Q: HARTFORD CENTRAL
 AVE 24-28 XSECTS.DWG
 REF. BK. 6044 PG. 18
 JOB NO. 448881
 DSN. BY: LDA
 DWN. BY: CAD
 CHK. BY: LDA
 DATE: MARCH, 2016





SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00032-00-SW	MADISON	29	29
FEDERAL AID PROJECT		CONTRACT NO. 97620	

NO.	REVISIONS

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 10 Central Industrial Drive, Suite 3, Carle Place, IL 60130 618/777-5700 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

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 SECTION 15-00032-00-SW
 VILLAGE OF HARTFORD
 CROSS SECTIONS

DWG. NO.	
QA HARTFORD CENTRAL	
AVENUE 24-28 XSECTS.DWG	
REF. BK. 6044 PG. 18	
JOB NO. 448881	
DSN. BY: LDA	
DWN. BY: CAD	
CHK. BY: LDA	
DATE: MARCH, 2016	
SCALE: NOT TO SCALE	
SHEET 29 OF 29	