

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
SAFE ROUTE TO SCHOOL SIDEWALK
IMPROVEMENTS

PROJECT NO.: SRTS-4009 (230)

JOB NO.: C-97-010-13

SECTION: 12-00004-00-SW

CITY OF MARTINSVILLE

CLARK COUNTY, ILLINOIS

CITY OF MARTINSVILLE, CLARK COUNTY
SAFE ROUTE TO SCHOOL SIDEWALK
IMPROVEMENTS
PROJECT No.: SRTS-4009 (230)
JOB No.: C-97-010-13
SECTION: 12-00004-00-SW
SHEET 1 OF 14



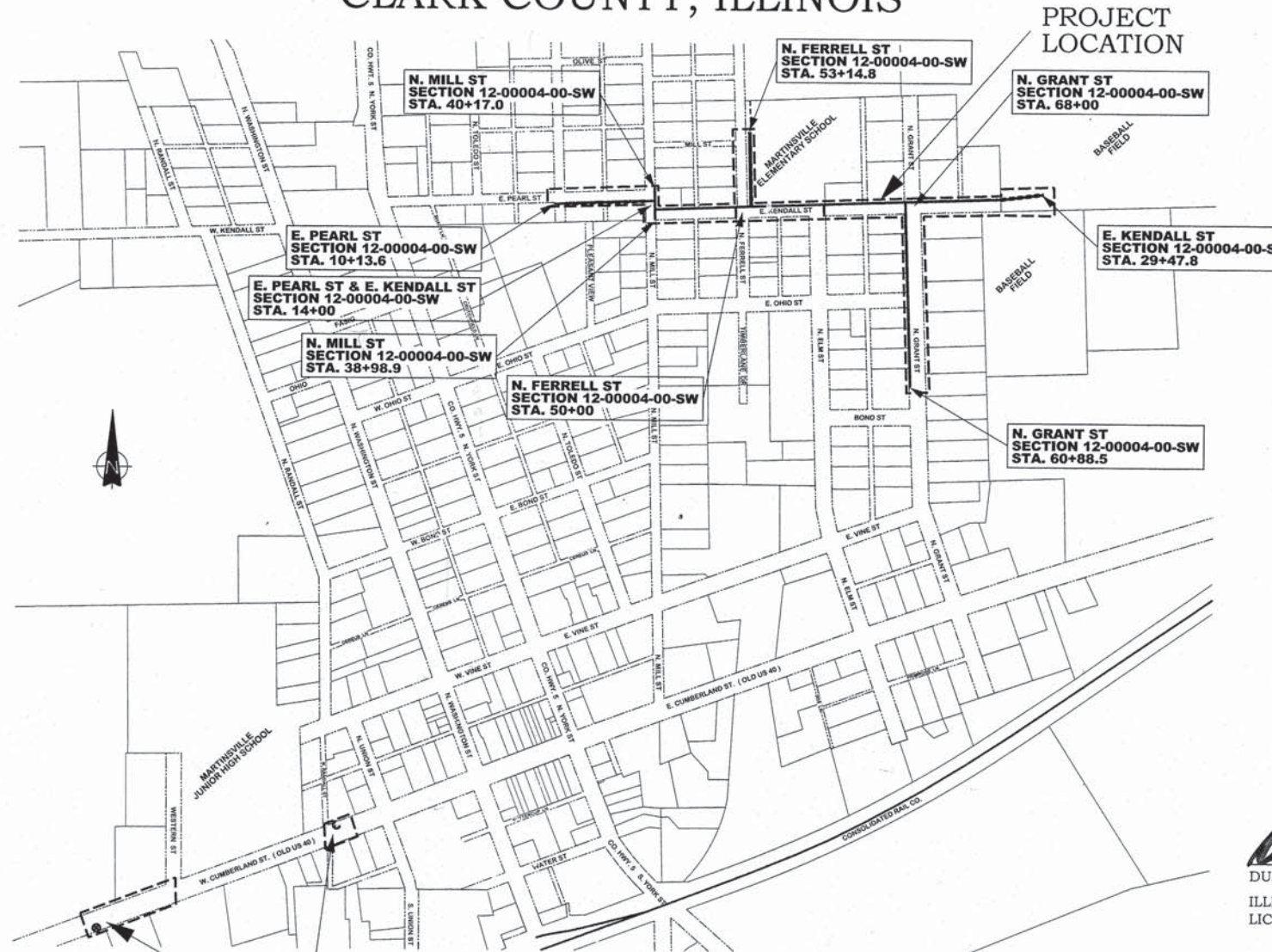
PROJECT LOCATION

INDEX OF SHEETS

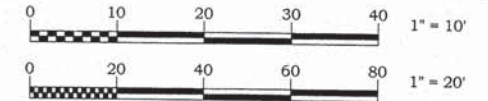
- 1 COVER SHEET
- 2 GENERAL NOTES & SUMMARY OF QUANTITIES
- 3-13 PLAN AND PROFILE
 - (3-4) E. PEARL ST.
 - (4-8) E. KENDALL ST.
 - (9) N. FERRELL ST.
 - (10-12) N. GRANT ST.
 - (13) W. CUMBERLAND ST.
- 14 MISCELLANEOUS DETAILS

ILLINOIS HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-02	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
424026-01	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-05	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS



PROJECT LOCATION



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

ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED: 2-23-16
Philby Ruder
CITY OF MARTINSVILLE - MAYOR

PASSED: 3/1/16
Manuel Castel
DISTRICT 7 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED REVIEW: 3/1/16
Jeffrey Barthel
REGION 4 ENGINEER



CONTACT JULIE AT 811 OR 800-892-0123
With the following:

County CLARK COUNTY
City/Township CITY OF MARTINSVILLE
Sec & 1/4 Sec No. NE & SE 1/4 SEC. 7-T10N-R13W,
SW 1/4 SEC. 8-T10N-R13W,
SW 1/4 SEC. 5-T10N-R13W,
SE 1/4 SEC. 6-T10N-R13W

48 HOURS (2 working days) BEFORE YOU DIG

PREPARED BY,
FRANCIS ASSOCIATES
CONSULTING ENGINEERS
LAND SURVEYORS
330 NORTH CENTRAL AVENUE
PARIS, ILLINOIS 61944
217-465-5306



PROFESSIONAL DESIGN FIRM #184-001406

CONTRACT NO. 95786

PROJECT LOCATION

CITY OF MARTINSVILLE
(NOT TO SCALE)
LOCATION MAP

TOTAL LENGTH OF E. PEARL ST = 386.4 LIN. FT. = 0.07 MILES
TOTAL LENGTH OF N. MILL ST = 118.1 LIN. FT. = 0.02 MILES
TOTAL LENGTH OF E. KENDALL ST = 1,547.8 LIN. FT. = 0.29 MILES
TOTAL LENGTH OF N. FERRELL ST = 314.8 LIN. FT. = 0.06 MILES
TOTAL LENGTH OF N. GRANT ST = 711.5 LIN. FT. = 0.14 MILES
NET LENGTH OF PROJECT = 3,078.6 LIN. FT. = 0.58 MILES

Duncan T. MacGibbon 02-23-2016
DUNCAN T. MacGIBBON DATE
ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 062-043706
LICENSE EXPIRES 11/30/17



SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	550
20800150	TRENCH BACKFILL	CU YD	2.2
20900110	POROUS GRANULAR BACKFILL	CU YD	160
20900110	POROUS GRANULAR BACKFILL	TON	57
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	25
40200800	AGGREGATE SURFACE COURSE, TYPE B	SQ FT	10596
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	1470
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	180
42400800	DETECTABLE WARNINGS	SQ YD	11.6
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ FT	4439
44000600	SIDEWALK REMOVAL	SQ YD	16.7
44201305	CLASS C PATCHES, TYPE II, 6 INCH	FOOT	30
50105220	PIPE CULVERT REMOVAL	FOOT	68
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	6
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1
56109210	WATER VALVES TO BE ADJUSTED	FOOT	58
60100915	PIPE DRAINS, 6"	FOOT	20
60100925	PIPE DRAINS, 8"	L SUM	1
67100100	MOBILIZATION	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	SQ FT	172
72000100	SIGN PANEL - TYPE 1	FOOT	217
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	442
78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	45
78001150	PAINT PAVEMENT MARKING - LINE 12"	FOOT	45
X0326899	SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)	EACH	2
X2110100	TOPSOIL FURNISH AND PLACE, SPECIAL	CU YD	22
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.1
X4240420	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, SPECIAL	SQ FT	375
X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	1
XX006240	AREA DRAIN	EACH	1

△ SPECIALTY ITEMS

GENERAL NOTES

- 1) THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016.
- 2) ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF DEPARTMENT.
- 3) PLAN ELEVATIONS ARE BASED ON ASSUMED ELEVATIONS.

DESIGN INFORMATION

1) SUMMARY OF EARTH WORK

STATION TO STATION	EARTH EXCAVATION (CU. YD.)	EMBANKMENT (CU. YD.)	FURNISHED EXCAVATION REQUIRED FOR EMBANKMENT. QUANTITY IS ADJUSTED TO PROVIDE FOR SHRINKAGE (CU. YD.)
RT 10+13.6 TO 14+00.0	195.0	.	.
LT 14+00.0 TO 29+47.8	237.0	.	.
RT 38+98.9 TO 40.17.0	2.8	.	.
RT 50+25.9 TO 53+14.8	23.0	.	.
LT 60+88.5 TO 67+90.6	88.5	.	.
TOTAL =	546.3	.	.

EARTH EXCAVATION SHRINKAGE FACTOR = 25%
 NO PAYMENT WILL BE ALLOWED FOR OVERHAUL OF EARTH TO OR FROM ANY SOURCE.

2) SEEDING

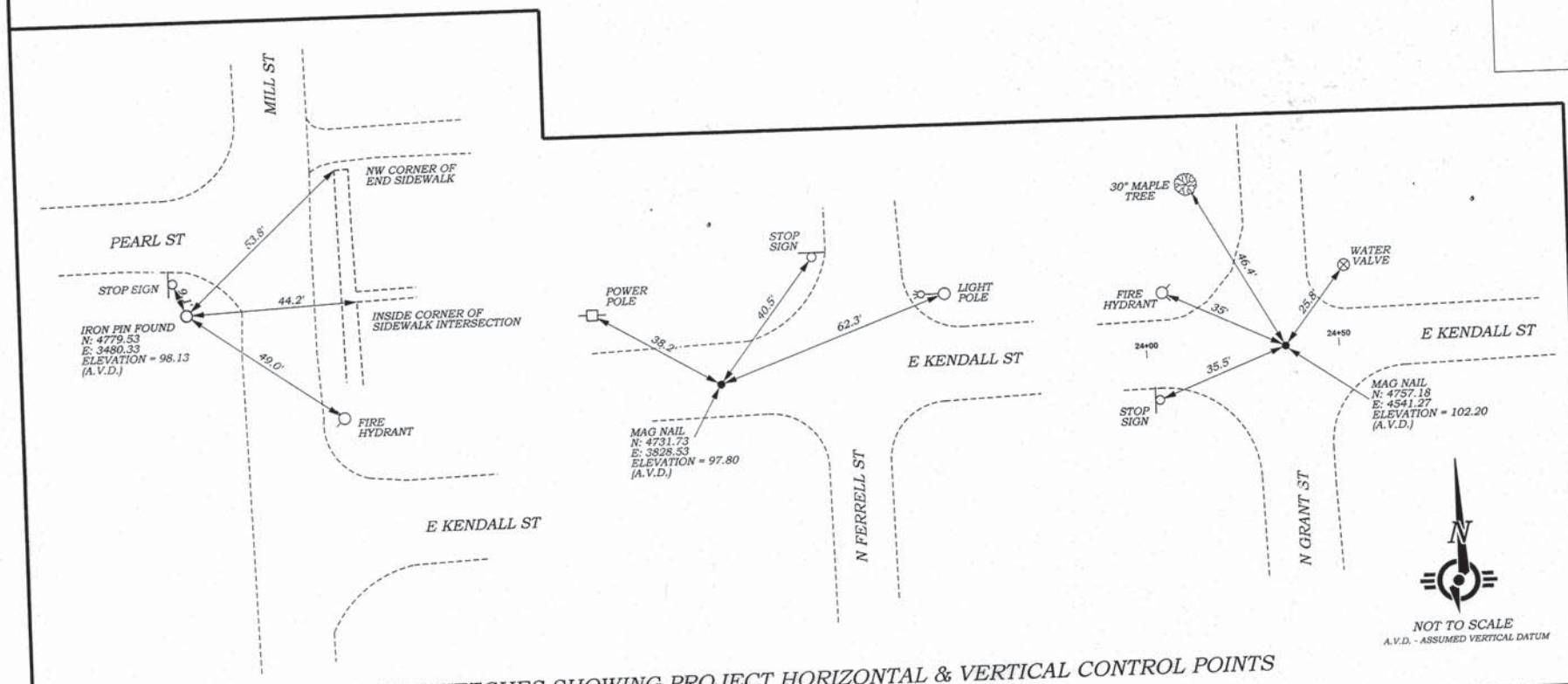
THE FOLLOWING ESTIMATED QUANTITIES ARE BASED ON SEEDING FROM EDGE OF PAVEMENT TO R.O.W. OR WITHIN PERMANENT EASEMENT WITH APPROPRIATE DEDUCTION FOR PAVEMENT, SHOULDERS, AND DRIVEWAYS, FROM STA. 10+13.6 TO STA. 29+47.8, STA. 38+98.9 TO STA. 40+17.0, STA. 50+00 TO 53+14.8, AND STA. 60+88.5 TO 68+00.

APPLICATION RATES:

- 90 LBS. / ACRE NITROGEN FERTILIZER NUTRIENT
- 90 LBS. / ACRE PHOSPHORUS FERTILIZER NUTRIENT
- 90 LBS. / ACRE POTASSIUM FERTILIZER NUTRIENT
- 2 TON / ACRE MULCH (METHOD 2)

SUMMARY OF SEEDING:

- SEEDING, CLASS 2 (SPECIAL) = 1.1 ACRES
- NITROGEN FERTILIZER NUTRIENT = 99 LBS.
- PHOSPHORUS FERTILIZER NUTRIENT = 99 LBS.
- POTASSIUM FERTILIZER NUTRIENT = 99 LBS.
- MULCH (METHOD 2) = 2.2 TONS



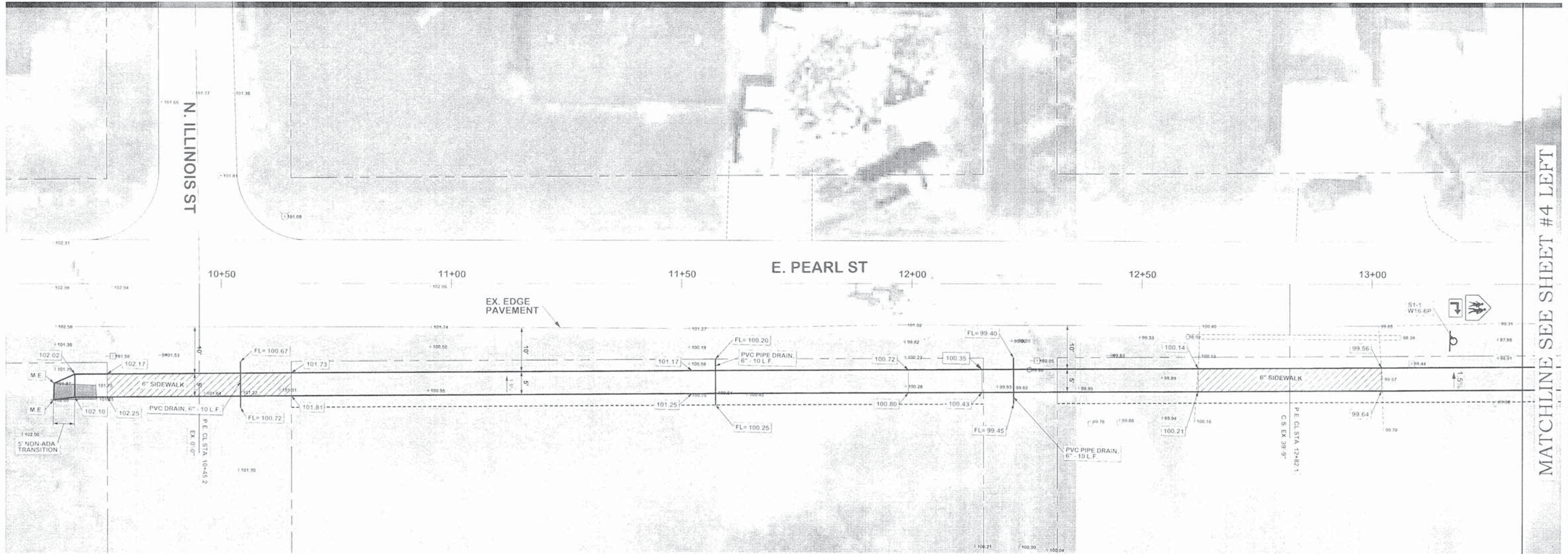
LOCAL TIE SKETCHES SHOWING PROJECT HORIZONTAL & VERTICAL CONTROL POINTS

FRANCIS ASSOCIATES
 CONSULTING ENGINEERS
 LAND SURVEYORS
 330 NORTH CENTRAL AVENUE
 PARIS, ILLINOIS 61944
 PH: (217) 465-5306
 PROFESSIONAL DESIGN FIRM #184-001406

SCALES	DRAWN: TLT	DATE: 12/10/15
PLAN: N-T-S	CHECKED: _____	DATE: _____
REVISED: TLT	APPROVED: _____	DATE: 2/18/16
REVISED: _____	REVISED: _____	DATE: _____

FRANCIS ASSOC.
 FILE NO.
4708-1

GENERAL NOTES & SUMMARY OF QUANTITIES
SAFE ROUTE TO SCHOOL SIDEWALK IMPROVEMENTS
 CITY OF MARTINSVILLE, ILLINOIS, CLARK COUNTY



SIDEWALK REMOVAL	
RT STA. 10+13.6 TO STA. 10+23.0	30.3 SQ. FT.
SHEET TOTAL =	30.3 SQ. FT.

PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	
RT STA. 10+13.6 TO STA. 10+25.2	84.6 SQ. FT.
RT STA. 10+65.2 TO STA. 12+62.2	984.8 SQ. FT.
RT STA. 13+02.1 TO STA. 13+32.7	153.0 SQ. FT.
SHEET TOTAL =	1,192.4 SQ. FT.

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	
RT STA. 10+25.2 TO STA. 10+65.2	200.0 SQ. FT.
RT STA. 12+62.2 TO STA. 13+02.1	199.3 SQ. FT.
SHEET TOTAL =	399.3 SQ. FT.

SIGN PANEL - TYPE 1	
RT STA. 13+17.7	9 SQ. FT.
RT STA. 13+17.7	2 SQ. FT.
TOTAL =	11 SQ. FT.

TELESCOPING STEEL SIGN SUPPORT	
RT STA. 13+17.7	14 FOOT
TOTAL =	14 FOOT

PIPE DRAINS, 6"	
RT STA. 10+54.2	10 FOOT
RT STA. 11+57.4	10 FOOT
RT STA. 12+22.1	10 FOOT
TOTAL =	30 FOOT

POROUS GRANULAR BACKFILL	
RT STA. 13+02.1 TO STA. 13+32.7	0.94 CU. YD.
SHEET TOTAL =	0.94 CU. YD.

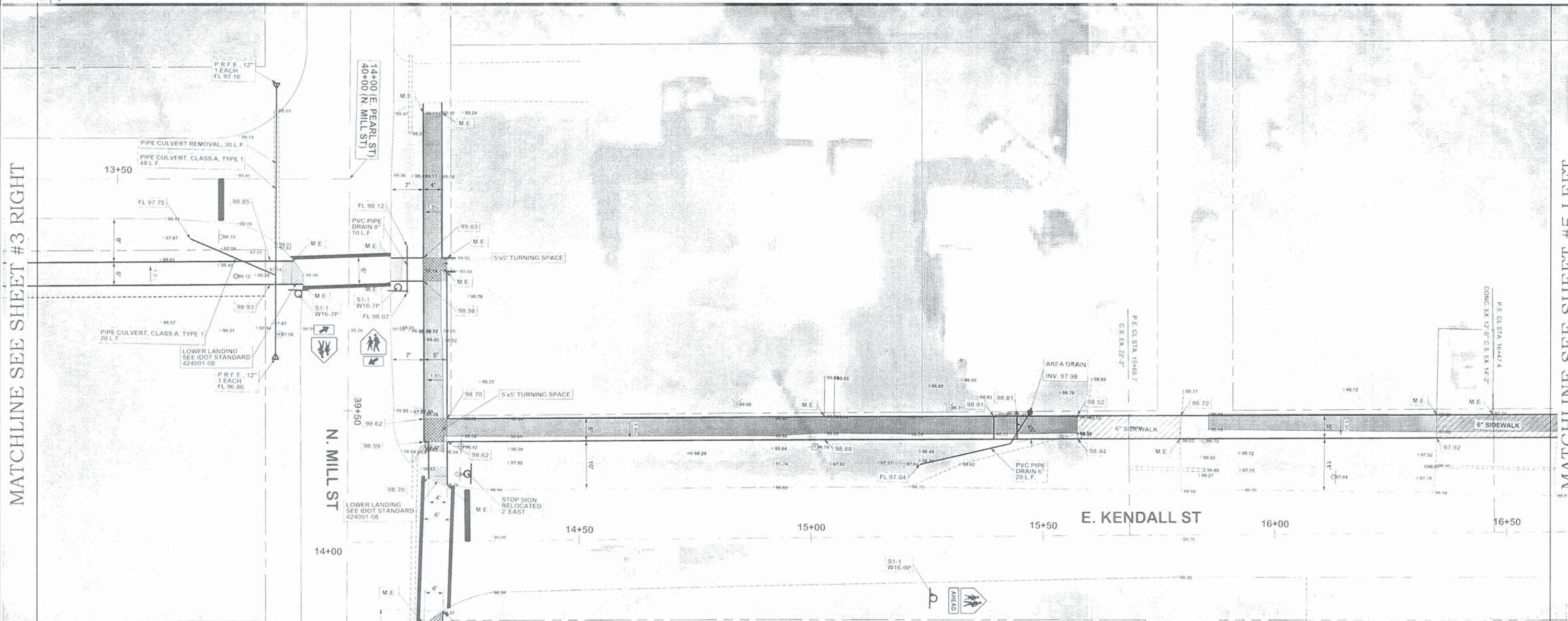
TOPSOIL FURNISH AND PLACE	
RT STA. 10+22 TO STA. 12+33	22.0 CU. YD.
SHEET TOTAL	22.0 CU. YD.

SUBBASE GRANULAR MATERIAL, TYPE B	
RT STA. 10+13.6 TO STA. 12+62.2	56.6 TON
SHEET TOTAL =	56.6 TON



MATCHLINE SEE SHEET #3 RIGHT

MATCHLINE SEE SHEET #5 LEFT

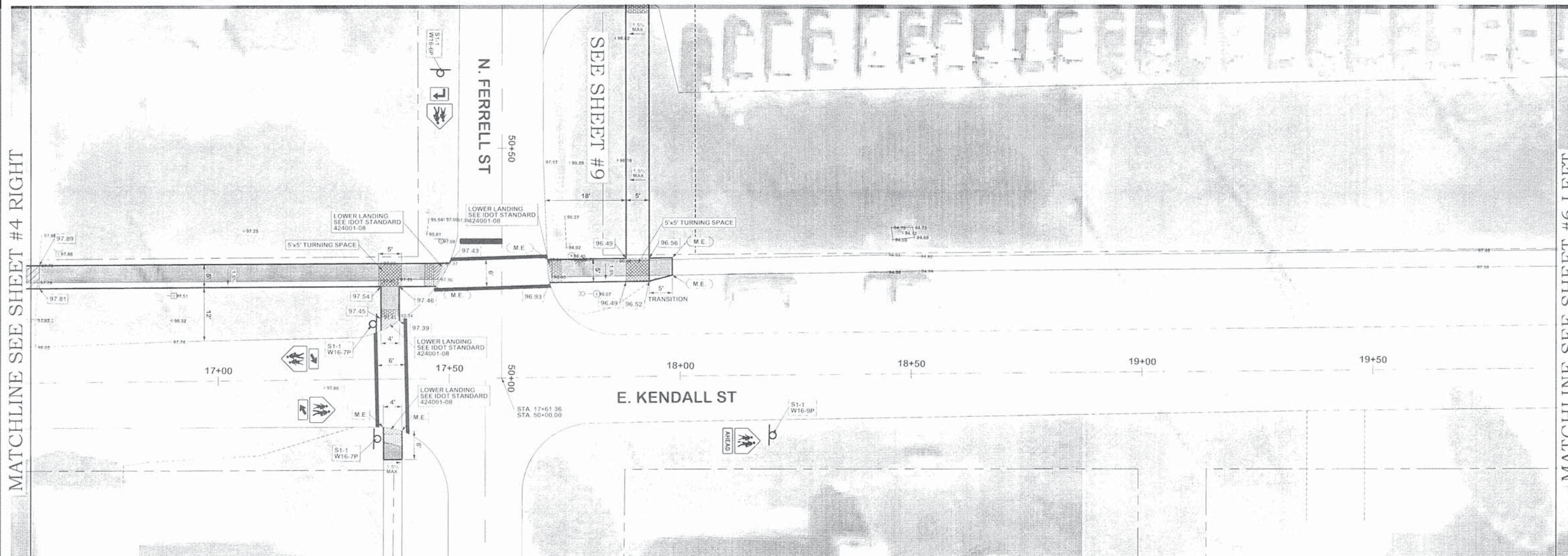


<p>SIDEWALK REMOVAL</p> <p>RT STA. 39+41.2 TO STA. 40+14.7 289.5 SQ. FT. LT STA. 14+21.0 TO STA. 15+57.7 513.6 SQ. FT. LT STA. 15+86.0 TO STA. 16+39.6 266.9 SQ. FT.</p> <p>SHEET TOTAL 1,066.8 SQ. FT.</p>	<p>PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH</p> <p>RT STA. 13+32.7 TO STA. 13+90.1 283.9 SQ. FT. RT STA. 38+98.9 TO STA. 39+06.9 29.9 SQ. FT. RT STA. 39+34.0 TO STA. 39+43.4 409.9 SQ. FT. LT STA. 14+28.2 TO STA. 15+57.6 679.3 SQ. FT. LT STA. 15+79.8 TO STA. 16+35.1 276.5 SQ. FT.</p> <p>SHEET TOTAL 1,679.5 SQ. FT.</p>	<p>CLASS C PATCH, TYPE II, 6 INCH</p> <p>RT STA. 39+84.5 TO STA. 40+15.0 16.7 S.Y.</p> <p>TOTAL 16.7 S.Y.</p>	<p>AREA DRAIN</p> <p>20.7 LT STA. 15+47.4 1 EACH</p> <p>TOTAL 1 EACH</p>	<p>TRENCH BACKFILL</p> <p>RT STA. 39+82.5 TO STA. 40+17.0 1.8 C.Y. RT STA. 39+75.4 TO STA. 39+85.4 0.2 C.Y. RT STA. 15+23.6 TO STA. 15+47.4 0.2 C.Y.</p> <p>TOTAL 2.2 C.Y.</p>	<p>PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, SPECIAL</p> <p>RT STA. 39+43.4 TO STA. 40+17.0 374.6 SQ. FT.</p> <p>SHEET TOTAL 374.6 SQ. FT.</p>	<p>DETECTABLE WARNINGS</p> <p>LT STA. 39+77.1 TO STA. 39+82.1 10 SQ. FT. RT STA. 39+77.9 TO STA. 39+82.9 19 SQ. FT. LT STA. 14+16.2 TO STA. 14+20.2 8 SQ. FT. RT STA. 14+17.7 TO STA. 14+21.7 8 SQ. FT.</p> <p>SHEET TOTAL 36 SQ. FT.</p>	<p>PRECAST REINFORCED CONCRETE FLARED END SECTION, 12"</p> <p>15.7 LT STA. 39+61 1 EACH 15.9 LT STA. 40+21 1 EACH</p> <p>TOTAL 2 EACH</p>	<p>PIPE DRAINS, 8"</p> <p>RT STA. 39+75.4 TO STA. 39+85.4 10 FOOT</p> <p>TOTAL 10 FOOT</p>	<p>SIGN PANEL - TYPE 1</p> <p>LT STA. 39+76.7 9 SQ. FT. LT STA. 39+76.7 2 SQ. FT. RT STA. 39+76.7 9 SQ. FT. RT STA. 39+76.7 2 SQ. FT. RT STA. 15+26.3 9 SQ. FT. RT STA. 15+26.3 2 SQ. FT.</p> <p>TOTAL 33 SQ. FT.</p>	<p>PAINT PAVEMENT MARKING - LINE 12"</p> <p>RT STA. 13+72.3 9 FOOT LT STA. 14+26.0 11 FOOT</p> <p>TOTAL 20 FOOT</p>
<p>POROUS GRANULAR BACKFILL</p> <p>RT STA. 13+32.7 TO STA. 13+90.1 1.8 CU. YD. RT STA. 38+98.9 TO STA. 39+06.9 1.4 CU. YD. RT STA. 39+34.0 TO STA. 40+17.0 6.2 CU. YD. LT STA. 14+28.2 TO STA. 16+39.6 5.9 CU. YD.</p> <p>SHEET TOTAL 15.3 CU. YD.</p>	<p>PIPE CULVERT REMOVAL</p> <p>LT STA. 39+85.0 TO STA. 40+15.0 30 FOOT</p> <p>TOTAL 30 FOOT</p>	<p>PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH</p> <p>LT STA. 15+57.6 TO STA. 15+79.8 110.9 SQ. FT. LT STA. 16+35.1 TO STA. 16+59.6 122.6 SQ. FT.</p> <p>SHEET TOTAL 233.5 SQ. FT.</p>	<p>PIPE CULVERTS, CLASS A, TYPE 1 12"</p> <p>RT STA. 13+65.7 TO STA. 13+84.1 20 FOOT LT STA. 39+67.0 TO STA. 40+15.0 48 FOOT</p> <p>TOTAL 68 FOOT</p>	<p>PIPE DRAINS, 6"</p> <p>RT STA. 15+23.6 TO STA. 15+47.4 28 FOOT</p> <p>TOTAL 28 FOOT</p>	<p>TELESCOPING STEEL SIGN SUPPORT</p> <p>LT STA. 39+76.7 15 FOOT RT STA. 39+76.7 15 FOOT RT STA. 15+26.3 12 FOOT</p> <p>TOTAL 42 FOOT</p>	<p>PAINT PAVEMENT MARKING - LINE 6"</p> <p>LT/RT STA. 39+77 18 FOOT LT/RT STA. 39+81 20 FOOT LT/RT STA. 14+16.2 32 FOOT LT/RT STA. 15+22.2 25 FOOT</p> <p>TOTAL 95 FOOT</p>				



MATCHLINE SEE SHEET #4 RIGHT

MATCHLINE SEE SHEET #6 LEFT



SIDEWALK REMOVAL

LT STA. 16+59.6 TO STA. 17+30.2	362.2 SQ. FT.
RT STA. 17+35.6 TO STA. 17+39.6	92.0 SQ. FT.
LT STA. 17+71.5 TO STA. 17+98.5	13.3 SQ. FT.
SHEET TOTAL =	467.5 SQ. FT.

**PORTLAND CEMENT CONCRETE
SIDEWALK 4 INCH**

LT STA. 16+61.4 TO STA. 17+50.2	471.2 SQ. FT.
RT STA. 17+35.6 TO STA. 17+39.6	26.5 SQ. FT.
LT STA. 17+71.5 TO STA. 17+98.5	131.4 SQ. FT.
SHEET TOTAL =	629.1 SQ. FT.

DETECTABLE WARNINGS

LT STA. 17+35.3 TO STA. 17+39.3	8 SQ. FT.
RT STA. 17+35.6 TO STA. 17+39.6	8 SQ. FT.
LT STA. 17+44.8 TO STA. 17+46.8	10 SQ. FT.
LT STA. 17+72.5 TO STA. 17+74.5	10 SQ. FT.
SHEET TOTAL =	36 SQ. FT.

SIGN PANEL - TYPE 1

LT STA. 17+34.5	9 SQ. FT.
LT STA. 17+34.5	2 SQ. FT.
RT STA. 17+34.5	9 SQ. FT.
RT STA. 17+34.5	2 SQ. FT.
RT STA. 18+19.9	9 SQ. FT.
RT STA. 18+19.9	2 SQ. FT.
TOTAL =	33 SQ. FT.

POROUS GRANULAR BACKFILL

LT STA. 16+61.4 TO STA. 17+50.2	26.1 CU. YD.
LT STA. 17+71.5 TO STA. 17+98.5	7.3 CU. YD.
SHEET TOTAL =	33.4 CU. YD.

**PORTLAND CEMENT CONCRETE
SIDEWALK 6 INCH**

LT STA. 16+59.6 TO STA. 16+61.4	9.1 SQ. FT.
SHEET TOTAL =	9.1 SQ. FT.

TELESCOPING STEEL SIGN SUPPORT

LT STA. 17+34.5	14 FOOT
RT STA. 17+34.5	14 FOOT
RT STA. 18+19.9	12 FOOT
TOTAL =	40 FOOT

PAINT PAVEMENT MARKING - LINE 6"

LT/RT STA. 17+34.5	19 FOOT
LT/RT STA. 17+40.5	23 FOOT
TOTAL =	42 FOOT

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 110 NORTH CENTRAL AVENUE
 PARIS, ILLINOIS 61954
 TEL: 314-366-5300
 PROFESSIONAL DESIGN LICENSE #184-001108



SCALE	DATE	BY	CHK
PLANS: 1" = 10'	DATE	DATE	DATE
DESIGNED	DATE	APPROVED	DATE
DESIGNED	DATE	DESIGNED	DATE

FRANCIS ASSOC.
 FILE NO.
4708-01

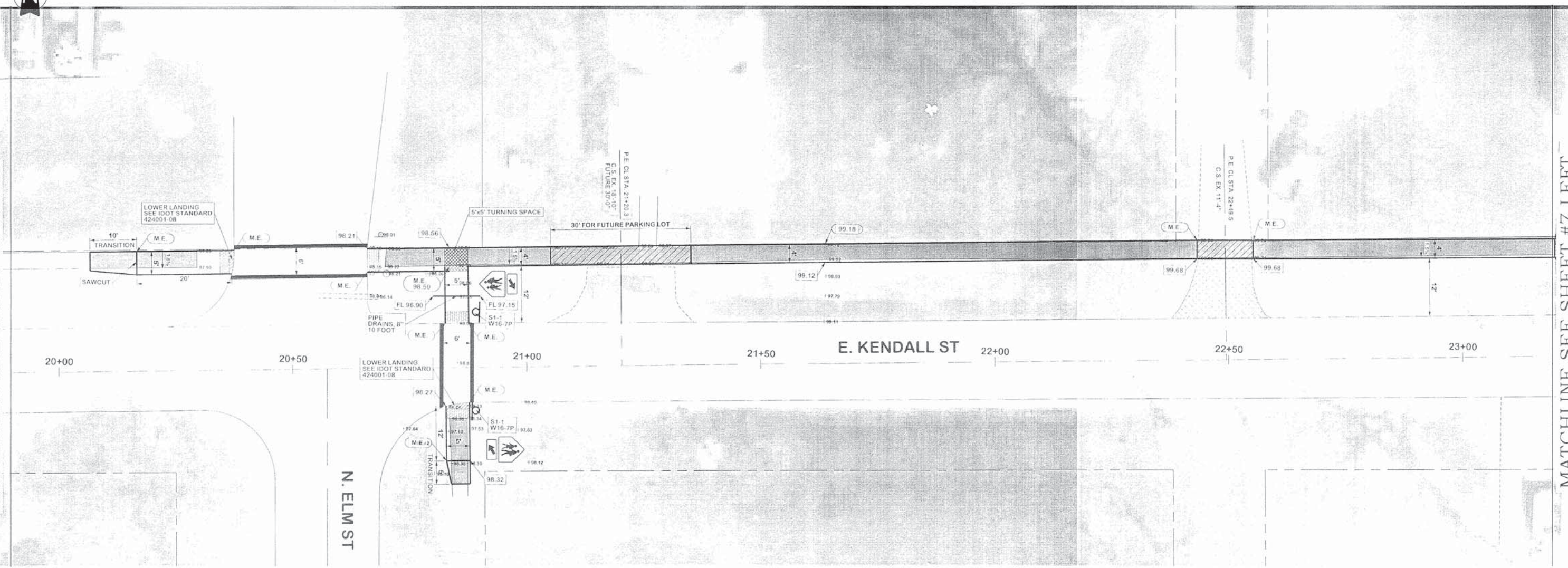
PLAN SHEET - E. KENDALL ST.
 SAFE ROUTE TO SCHOOL SIDEWALK IMPROVEMENTS
 CITY OF MARTINSVILLE, ILLINOIS, CLARK COUNTY

SHEET NO.
5
 OF 14 SHEETS



MATCHLINE SEE SHEET #5 RIGHT

MATCHLINE SEE SHEET #7 LEFT



SIDEWALK REMOVAL		
LT STA. 20+16.8 TO STA. 20+29.7	80.5	SQ. FT.
LT STA. 20+69.9 TO STA. 23+19.4	912.1	SQ. FT.
RT STA. 20+83.6 TO STA. 20+87.6	80.0	SQ. FT.
SHEET TOTAL =	1,042.6	SQ. FT.

POROUS GRANULAR BACKFILL		
LT STA. 20+16.8 TO STA. 20+37.6	2.5	CU. YD.
LT STA. 20+66.1 TO STA. 23+19.4	52.5	CU. YD.
RT STA. 20+83.6 TO STA. 20+87.6	2.8	CU. YD.
SHEET TOTAL =	57.8	CU. YD.

PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH		
LT STA. 20+16.8 TO STA. 20+37.6	148.6	SQ. FT.
LT STA. 20+66.1 TO STA. 21+05.3	233.9	SQ. FT.
RT STA. 20+83.6 TO STA. 20+87.6	83.6	SQ. FT.
LT STA. 21+35.3 TO STA. 22+43.5	432.8	SQ. FT.
LT STA. 22+55.5 TO STA. 23+19.4	255.6	SQ. FT.
SHEET TOTAL =	1,154.5	SQ. FT.

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH		
LT STA. 21+05.3 TO STA. 21+35.3	150.0	SQ. FT.
LT STA. 22+43.5 TO STA. 22+55.5	48.0	SQ. FT.
SHEET TOTAL =	198.0	SQ. FT.

DETECTABLE WARNINGS		
LT STA. 20+34.9 TO STA. 20+36.9	10	SQ. FT.
LT STA. 20+66.6 TO STA. 20+68.6	10	SQ. FT.
RT STA. 20+83.6 TO STA. 20+87.6	10	SQ. FT.
LT STA. 20+83.6 TO STA. 20+87.6	10	SQ. FT.
SHEET TOTAL =	40	SQ. FT.

AGGREGATE SURFACE COURSE, TYPE B		
LT STA. 22+49.5	10	TON
SHEET TOTAL =	10	TON

SIGN PANEL - TYPE 1		
LT STA. 20+89.0	2	SQ. FT.
LT STA. 20+89.0	2	SQ. FT.
RT STA. 20+89.0	2	SQ. FT.
RT STA. 20+89.0	2	SQ. FT.
TOTAL =	8	SQ. FT.

TELESCOPING STEEL SIGN SUPPORT		
LT STA. 20+89.0	14	FOOT
RT STA. 20+89.0	14	FOOT
TOTAL =	28	FOOT

PIPE DRAINS, 8"		
RT STA. 20+80 TO STA. 20+90	10	FOOT
TOTAL =	10	FOOT

PAINT PAVEMENT MARKING - LINE 6"		
LT STA. 20+38 TO STA. 20+66	28	FOOT
LT STA. 20+38 TO STA. 20+66	28	FOOT
LT/RT STA. 20+81.8	17	FOOT
LT/RT STA. 20+88.3	16	FOOT
TOTAL =	89	FOOT

FRANCIS ASSOCIATES
 CONSULTING ENGINEERS
 LAND SURVEYORS
 140 NORTH CENTRAL AVENUE
 PARRIS, ILLINOIS 61941
 P.O. BOX 1000
 PROFESSIONAL DESIGN FIRM # 014-001-106

SCALES		DATE	BY
PLAN	1" = 10'	12/20/12	JL
SECTION	1" = 10'	12/20/12	JL
SECTION	1" = 10'	12/20/12	JL
SECTION	1" = 10'	12/20/12	JL

FRANCIS ASSOC. FILE NO. **4708-01**

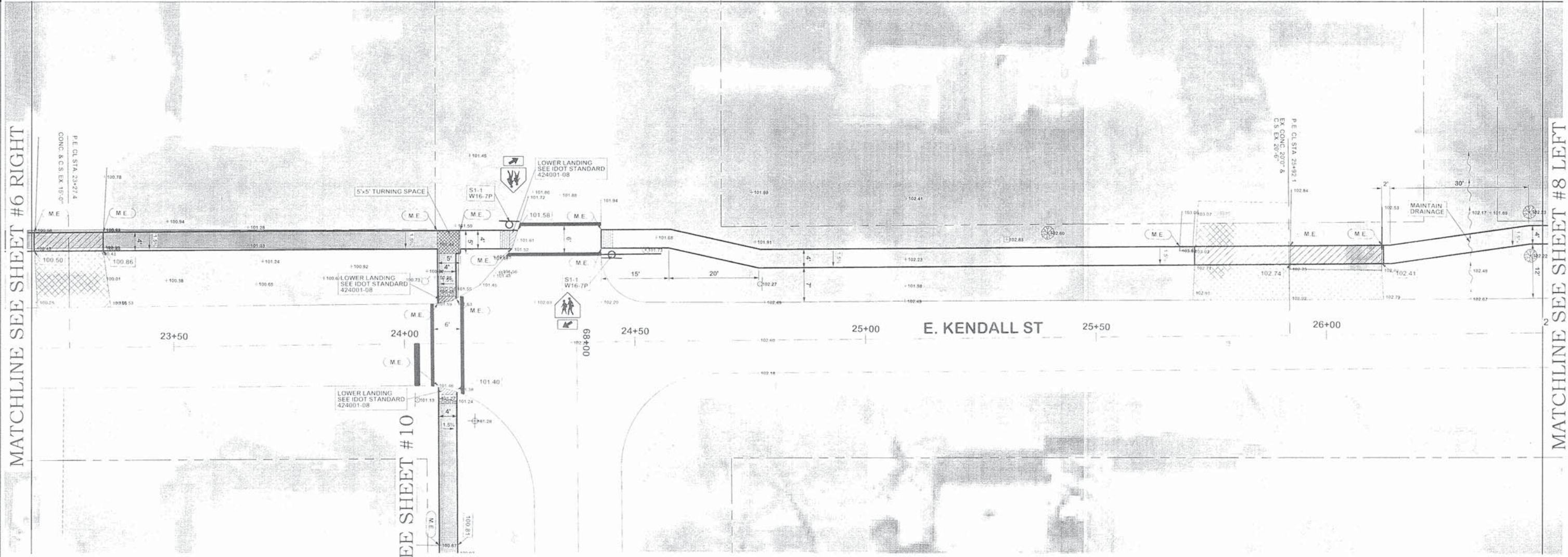
PLAN SHEET - E. KENDALL ST.
 SAFE ROUTE TO SCHOOL SIDEWALK IMPROVEMENTS
 CITY OF MARTINSVILLE, ILLINOIS, CLARK COUNTY

SHEET NO. **6**
 OF 14 SHEETS



MATCHLINE SEE SHEET #6 RIGHT

MATCHLINE SEE SHEET #8 LEFT



SIDEWALK REMOVAL		
LT STA. 23+19.4 TO STA. 24+12.1	413.5	SQ. FT.
SHEET TOTAL =	413.5	SQ. FT.

PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH		
LT STA. 23+19.4 TO STA. 23+19.9	2.1	SQ. FT.
LT STA. 23+34.9 TO STA. 25+24.8	403.7	SQ. FT.
LT STA. 24+42.9 TO STA. 25+71.6	516.8	SQ. FT.
LT STA. 25+12.6 TO STA. 26+47.1	139.2	SQ. FT.
SHEET TOTAL =	1,061.8	SQ. FT.

DETECTABLE WARNINGS		
LT STA. 24+07.3 TO STA. 24+11.3	8	SQ. FT.
LT STA. 24+21.0 TO STA. 24+23.0	8	SQ. FT.
LT STA. 24+43.4 TO STA. 24+45.4	8	SQ. FT.
SHEET TOTAL =	24	SQ. FT.

DRIVEWAY PAVEMENT REMOVAL		
LT STA. 25+92.3 TO STA. 26+12.2	11.6	SQ. YD.
SHEET TOTAL =	11.6	SQ. YD.

POROUS GRANULAR BACKFILL		
LT STA. 24+12.1 TO STA. 26+47.1	7.9	CU. YD.
SHEET TOTAL =	7.9	CU. YD.

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH		
LT STA. 23+19.9 TO STA. 23+34.9	60.0	SQ. FT.
LT STA. 25+71.6 TO STA. 26+12.6	164.0	SQ. FT.
SHEET TOTAL =	224.0	SQ. FT.

AGGREGATE SURFACE COURSE, TYPE B		
LT STA. 23+27.4	5	TON
LT STA. 25+92.1	10	TON
SHEET TOTAL =	15	TON

PAINT PAVEMENT MARKING - LINE 12"		
RT STA. 24+02.7	8	FOOT
TOTAL =	8	FOOT

PAINT PAVEMENT MARKING - LINE 6"		
LT/RT STA. 24+06.3	17	FOOT
LT/RT STA. 24+12.3	17	FOOT
LT STA. 24+23 TO STA. 24+42	19	FOOT
LT STA. 24+25 TO STA. 24+42	17	FOOT
TOTAL =	70	FOOT

SIGN PANEL, TYPE 1		
LT STA. 24+24	2	SQ. FT.
LT STA. 24+44	2	SQ. FT.
LT STA. 24+44	2	SQ. FT.
LT STA. 24+44	2	SQ. FT.
TOTAL =	8	SQ. FT.

TELESCOPING STEEL SIGN SUPPORT		
LT STA. 24+24	14	FOOT
LT STA. 24+44	14	FOOT
TOTAL =	28	FOOT

FRANCIS ASSOCIATES
 CONSULTING ENGINEERS
 LAND SURVEYORS
 410 NORTH CENTRAL AVENUE
 PARIS, ILLINOIS 61954
 (312) 279-3600 / (312) 279-3606
 PROFESSIONAL DESIGN LICENSE #103-001-006

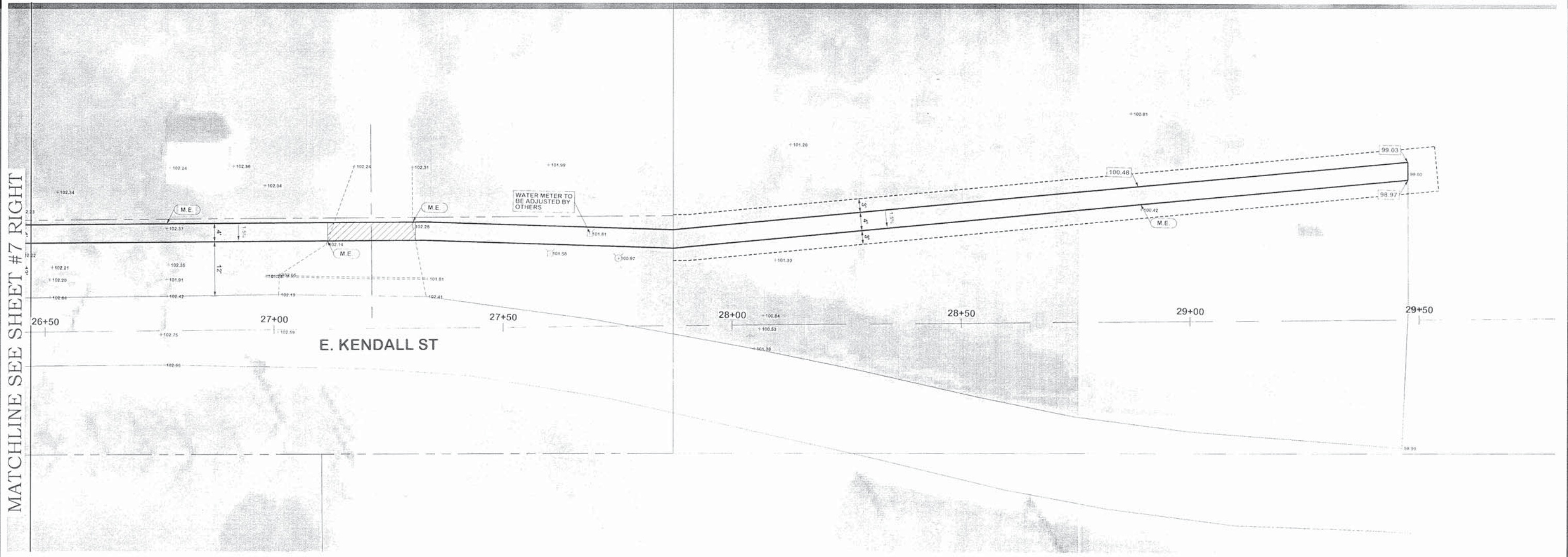
SCALES	
PLANS	1" = 10'
SECTION	1" = 10'

FRANCIS ASSOC.
 FILE NO. **4708-01**

PLAN SHEET - E. KENDALL ST.
 SAFE ROUTE TO SCHOOL SIDEWALK IMPROVEMENTS
 CITY OF MARTINSVILLE, ILLINOIS, CLARK COUNTY



MATCHLINE SEE SHEET #7 RIGHT




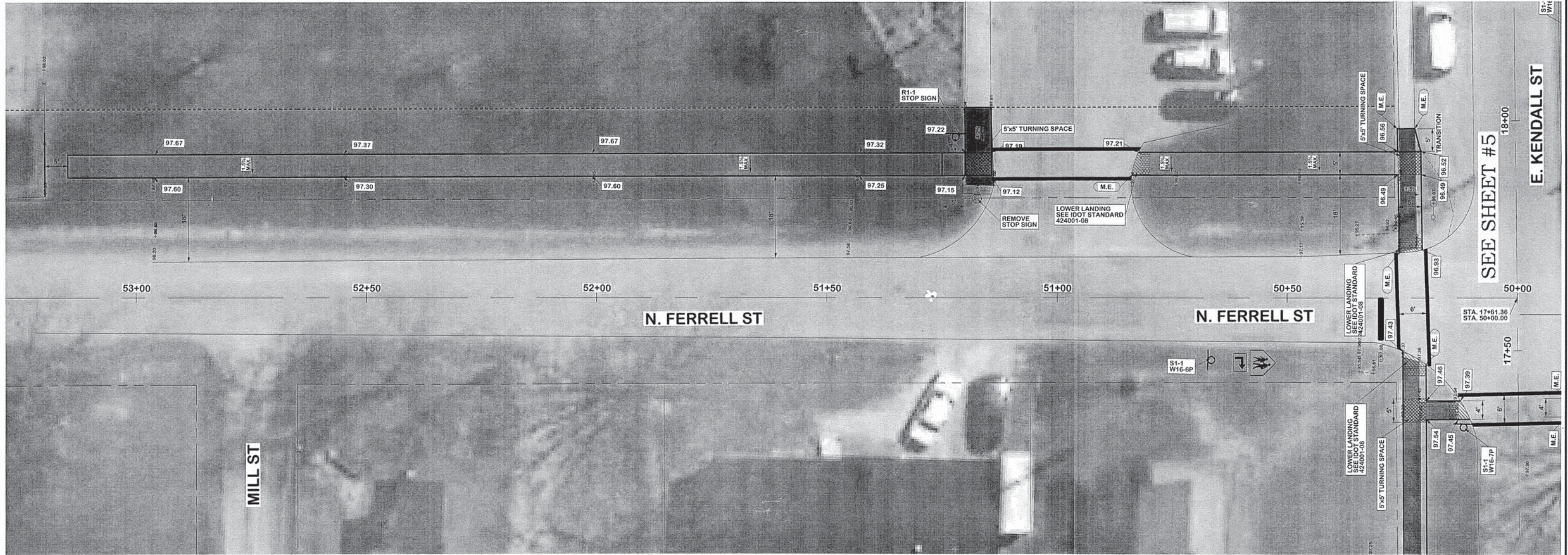
POROUS GRANULAR BACKFILL	
LT STA. 26+47.1 TO STA. 29+47.8	6.9 CU. YD.
SHEET TOTAL = 6.9 CU. YD.	

PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	
LT STA. 26+47.1 TO STA. 27+11.8	259.0 SQ. FT.
LT STA. 27+31.0 TO STA. 29+47.8	870.0 SQ. FT.
SHEET TOTAL = 1129.0 SQ. FT.	

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	
LT STA. 27+11.8 TO STA. 27+31.0	76.7 SQ. FT.
SHEET TOTAL = 76.7 SQ. FT.	

P:\96\Project\4708-1 Safe Route Sidewalk\Drawings\4708-1 Safe Route Sidewalk\Main.dwg

 <p>FRANCIS ASSOCIATES CONSULTING ENGINEERS LAND SURVEYORS 110 NORTH CENTRAL AVENUE II PARIS, ILLINOIS 61944 P.O. 2121-465-5106 PROFESSIONAL DESIGN FIRM # 013-001406</p>	SCALFS PLAN: 1" = 10' REVISIONS DATE: 12/30/11 APPROVAL DATE: 1/18/12 REVISION DATE:	DRAWN: JLL DATE: 12/30/11 CHECKED: JLL DATE: APPROVAL: JLL DATE: REVISION: JLL DATE:	FRANCIS ASSOC. FILE NO. 4708-01	PLAN SHEET - E. KENDALL ST. SAFE ROUTE TO SCHOOL SIDEWALK IMPROVEMENTS CITY OF MARTINSVILLE, ILLINOIS, CLARK COUNTY	SHEET NO. 8 OF 14 SHEETS



SIDEWALK REMOVAL		
RT STA. 51+13.7 TO STA. 51+19.7	100.3	SQ. FT.
SHEET TOTAL =	100.3	SQ. FT.

PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH		
RT STA. 50+25.9 TO STA. 50+83.7	286.3	SQ. FT.
RT STA. 51+14.3 TO STA. 53+14.8	1,060.0	SQ. FT.
SHEET TOTAL =	1,346.3	SQ. FT.

DETECTABLE WARNINGS		
RT STA. 50+79.8 TO STA. 50+81.8	10	SQ. FT.
RT STA. 51+14.8 TO STA. 51+16.8	10	SQ. FT.
SHEET TOTAL =	20	SQ. FT.

SIGN PANEL - TYPE 1		
RT STA. 50+66.4	9	SQ. FT.
RT STA. 50+66.4	2	SQ. FT.
RT STA. 51+21.0	9	SQ. FT.
TOTAL=	20	SQ. FT.

PAINT PAVEMENT MARKING - LINE 12"		
RT STA. 50+29.6	9	FOOT
TOTAL=	9	FOOT

POROUS GRANULAR BACKFILL		
RT STA. 50+25.9 TO STA. 50+83.7	1.8	CU. YD.
RT STA. 51+14.3 TO STA. 53+14.8	11.8	CU. YD.
SHEET TOTAL =	13.6	CU. YD.

TELESCOPING STEEL SIGN SUPPORT		
RT STA. 50+66.4	12	FOOT
RT STA. 51+21.0	13	FOOT
TOTAL=	25	FOOT

PAINT PAVEMENT MARKING - LINE 6"		
LT/RT STA. 50+19.8	25	FOOT
LT/RT STA. 50+25.8	21	FOOT
RT STA. 50+84 TO STA. 51+13	29	FOOT
RT STA. 50+82 TO STA. 51+13	31	FOOT
TOTAL=	106	FOOT

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FRANCIS ASSOCIATES
 CONSULTING ENGINEERS
 LAND SURVEYORS
 330 NORTH CENTRAL AVENUE
 PARIS, ILLINOIS 61944
 PH. (217) 465-5306
 PROFESSIONAL DESIGN FIRM #184-001406

SCALES	
PLAN :	1"=10'

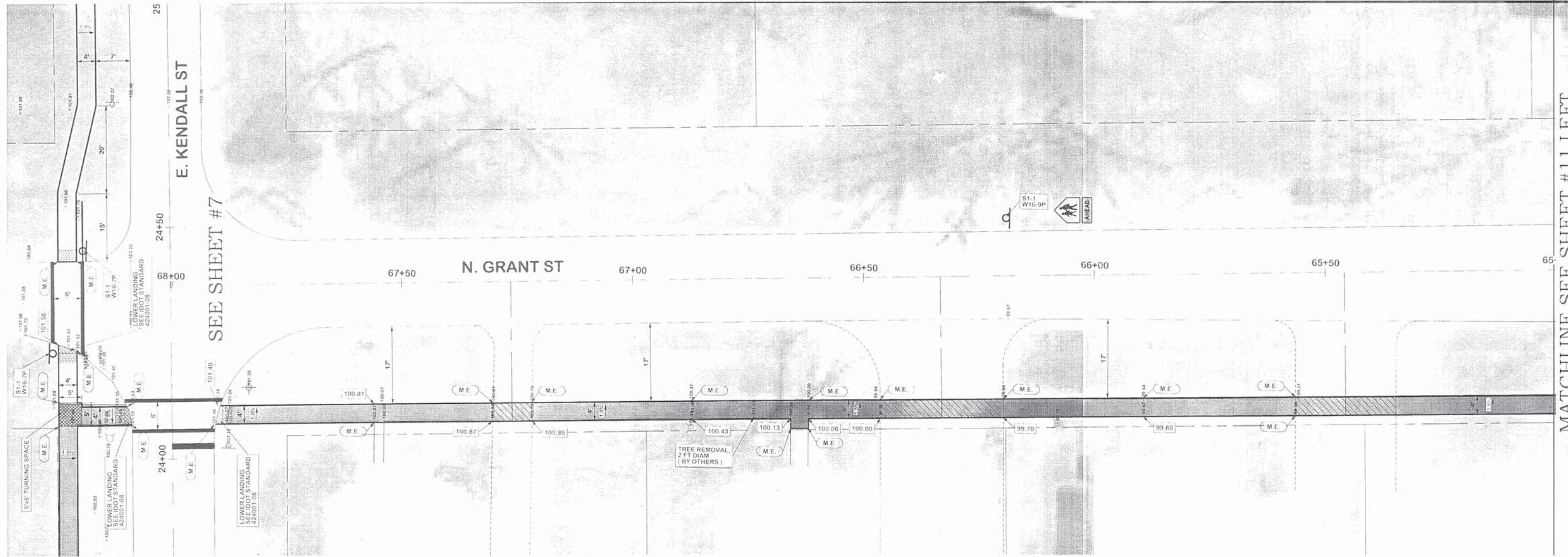
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DATE	12/10/15
CHECKED	
DATE	
APPROVED	
DATE	
REVISD	
DATE	

FRANCIS ASSOC.
 FILE NO.
4708-01

PLAN SHEET - N. FERRELL ST

SAFE ROUTE TO SCHOOL SIDEWALK IMPROVEMENTS
 CITY OF MARTINSVILLE, ILLINOIS, CLARK COUNTY

SHEET NO.
9
 OF 14 SHEETS



SIDEWALK REMOVAL	
LT STA. 65+00.8 TO STA. 67+88.2	1,111.0 SQ. FT.
SHEET TOTAL =	1,111.0 SQ. FT.

PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	
LT STA. 65+00.8 TO STA. 65+34.9	136.7 SQ. FT.
LT STA. 65+56.7 TO STA. 66+20.0	253.2 SQ. FT.
LT STA. 66+46.7 TO STA. 67+22.1	309.2 SQ. FT.
LT STA. 67+30.6 TO STA. 67+90.6	237.8 SQ. FT.
SHEET TOTAL =	936.9 SQ. FT.

DETECTABLE WARNINGS	
LT STA. 67+87.0 TO STA. 67+89.0	8 SQ. FT.
SHEET TOTAL =	8 SQ. FT.

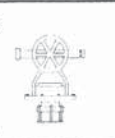
SIGN PANEL - TYPE 1	
RT STA. 66+19.0	9 SQ. FT.
RT STA. 66+19.0	2 SQ. FT.
TOTAL =	11 SQ. FT.

POROUS GRANULAR BACKFILL	
LT STA. 65+00.8 TO STA. 68+00.6	8.8 CU. YD.
SHEET TOTAL =	8.8 CU. YD.

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	
LT STA. 65+34.9 TO STA. 65+56.7	87.3 SQ. FT.
LT STA. 66+20.0 TO STA. 66+46.7	106.5 SQ. FT.
LT STA. 67+22.1 TO STA. 67+30.6	34.3 SQ. FT.
SHEET TOTAL =	228.1 SQ. FT.

TELESCOPING STEEL SIGN SUPPORT	
RT STA. 66+19.0	12 FOOT
TOTAL =	12 FOOT

FRANCIS ASSOCIATES
 CONSULTING ENGINEERS
 LAND SURVEYORS
 330 NORTH CENTRAL AVENUE
 PARIS, ILLINOIS 61954
 TEL: 715-465-3306
 PROFESSIONAL DESIGNER # 113-011-096



SCALE	DATE	BY	CHK
PLAN - 1" = 10'	12-03-14	FRANCIS	FRANCIS
REVISED	DATE	BY	CHK

FRANCIS ASSOC.
 FILE NO.
4708-01

PLAN SHEET - N. GRANT ST

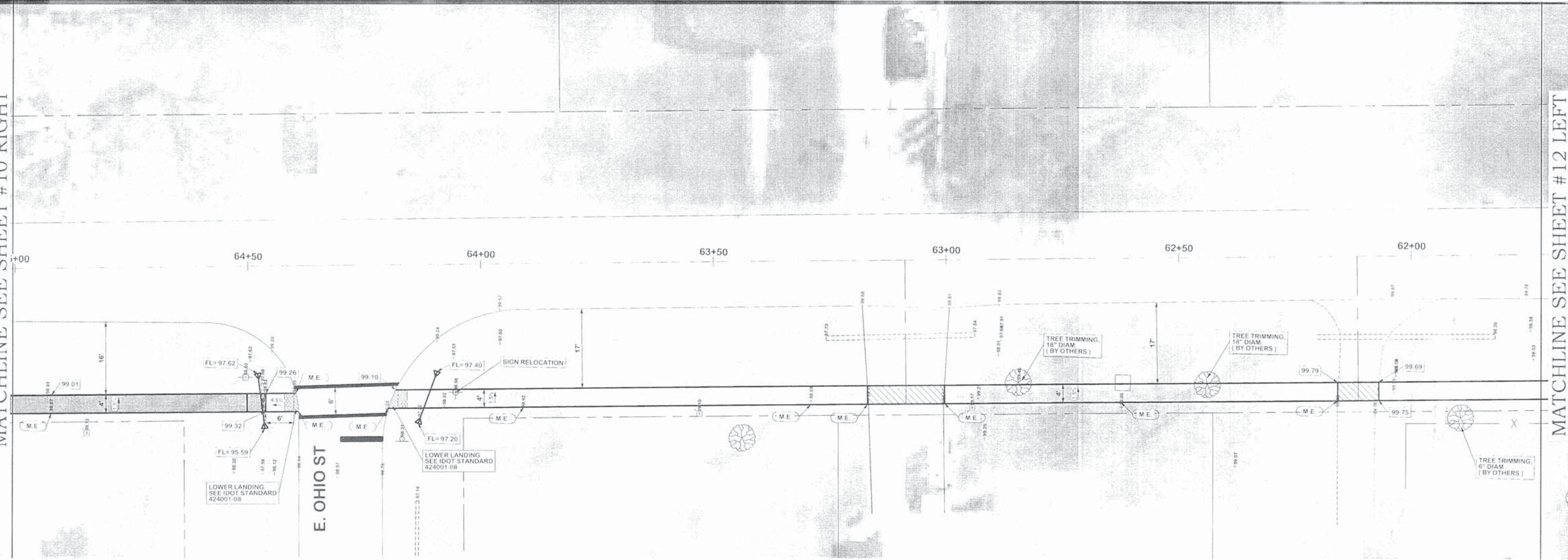
SAFE ROUTE TO SCHOOL SIDEWALK IMPROVEMENTS
 CITY OF MARTINSVILLE, ILLINOIS, CLARK COUNTY

SHEET NO.
10
 OF 14 SHEETS



MATCHLINE SEE SHEET #10 RIGHT

MATCHLINE SEE SHEET #12 LEFT



SIDEWALK REMOVAL	
LT STA. 64+46.5 TO STA. 65+00.8	207.1 SQ. FT.
SHEET TOTAL -	207.1 SQ. FT.

PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	
LT STA. 61+72.4 TO STA. 62+07.2	139.3 SQ. FT.
LT STA. 62+16.0 TO STA. 63+00.5	338.0 SQ. FT.
LT STA. 63+17.1 TO STA. 64+20.0	408.8 SQ. FT.
LT STA. 64+39.3 TO STA. 65+00.8	245.0 SQ. FT.
SHEET TOTAL -	1,131.1 SQ. FT.

DETECTABLE WARNINGS	
LT STA. 64+16.0 TO STA. 64+18.0	8 SQ. FT.
LT STA. 64+40.4 TO STA. 64+42.4	8 SQ. FT.
SHEET TOTAL -	16 SQ. FT.

PAINT PAVEMENT MARKING - LINE 12"	
LT STA. 64+22 TO STA. 64+30	8 FOOT
TOTAL -	8 FOOT

PRECAST REINFORCED CONCRETE, FLARED END SECTION, 12"	
LT STA. 64+11.6	2 EACH
LT STA. 64+47.3	2 EACH
TOTAL -	4 EACH

POROUS GRANULAR BACKFILL	
LT STA. 61+72.4 TO STA. 64+20.0	7.5 CU. YD.
LT STA. 64+39.3 TO STA. 65+00.8	5.8 CU. YD.
SHEET TOTAL -	13.3 CU. YD.

PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	
LT STA. 62+07.2 TO STA. 62+16.0	35.2 SQ. FT.
LT STA. 63+00.5 TO STA. 63+17.1	66.4 SQ. FT.
SHEET TOTAL -	101.6 SQ. FT.

PAINT PAVEMENT MARKING - LINE 6"	
LT STA. 64+18 TO STA. 64+40	22 FOOT
LT STA. 64+21 TO STA. 64+39	18 FOOT
TOTAL -	40 FOOT

FRANCIS ASSOCIATES
 CONSULTING ENGINEERS
 LAND SURVEYORS
 340 N. BETHLEHEM AVENUE
 PARIS, ILLINOIS 61954
 (815) 231-4600
 PROFESSIONAL DESIGN LICENSE #041-001-109

SCALE	PLAN 1" = 10'
DATE	11/14/13
DESIGNED BY	ELI
CHECKED BY	ELI
APPROVED BY	ELI
PROJECT NO.	4708-01

FRANCIS ASSOC.
 FILE NO.
4708-01

PLAN SHEET - N. GRANT ST
 SAFE ROUTE TO SCHOOL SIDEWALK IMPROVEMENTS
 CITY OF MARTINSVILLE, ILLINOIS, CLARK COUNTY

SHEET NO.
11
 OF 14 SHEETS



MATCHLINE SEE SHEET # 11 RIGHT



PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	
LT STA. 60+88.5 TO STA. 61+72.4	335.3 SQ. FT.
SHEET TOTAL =	335.3 SQ. FT.

WATER VALVES TO BE ADJUSTED	
27' LT STA. 61+49.3	1 EACH
TOTAL =	1 EACH

POROUS GRANULAR BACKFILL	
LT STA. 60+88.5 TO STA. 61+72.4	2.1 CU. YD.
SHEET TOTAL =	2.1 CU. YD.

REMOVE AND RE-ERECT EXISTING SIGN	
LT STA. 61+16.5	1 EACH
TOTAL =	1 EACH

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 430 NORTH CENTRAL AVENUE
 PARIS, ILLINOIS 61944
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 PROFESSIONAL DESIGN FIRM # 184-001406



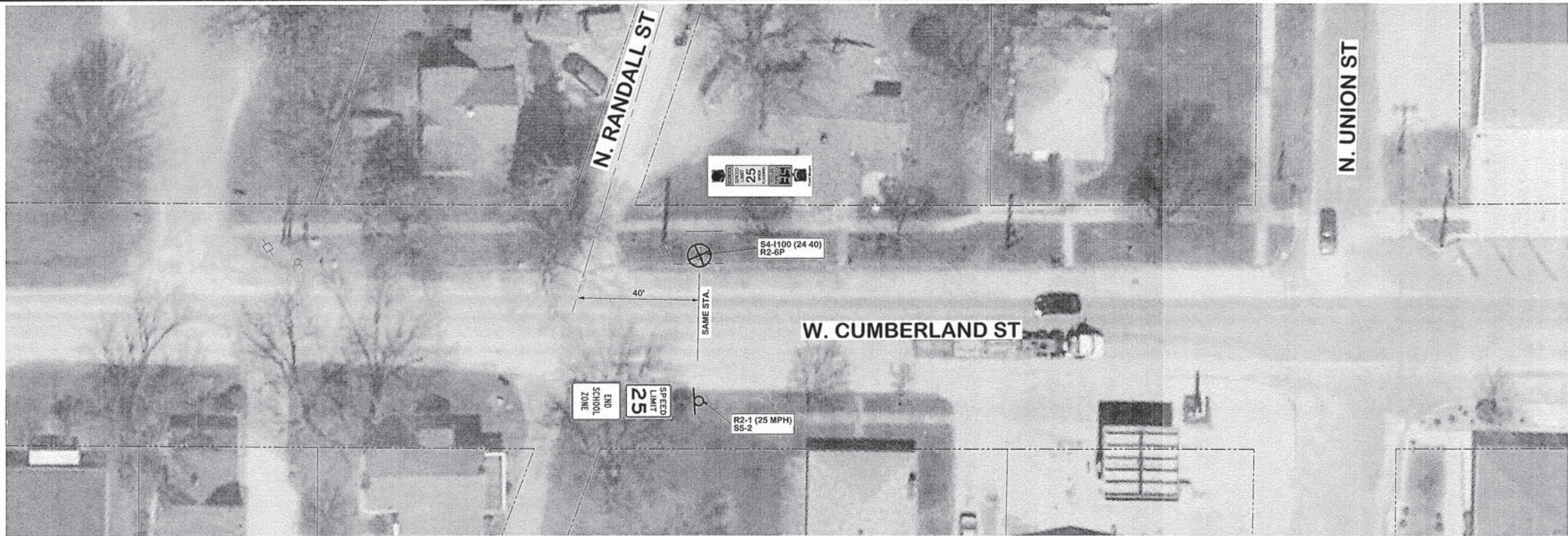
SCALES	
PLAN: 1" = 10'	
REVISION 1	DATE 2/18/15
REVISION 2	DATE 2/18/15
REVISION 3	DATE

FRANCIS ASSOC.
 FILE NO.
4708-01

DATE: 12/10/15
 CHECKED: [Signature]
 APPROVED: [Signature]
 DATE: 2/18/15

PLAN SHEET - N. GRANT ST
 SAFE ROUTE TO SCHOOL SIDEWALK IMPROVEMENTS
 CITY OF MARTINSVILLE, ILLINOIS, CLARK COUNTY

SHEET NO.
12
 OF 14 SHEETS

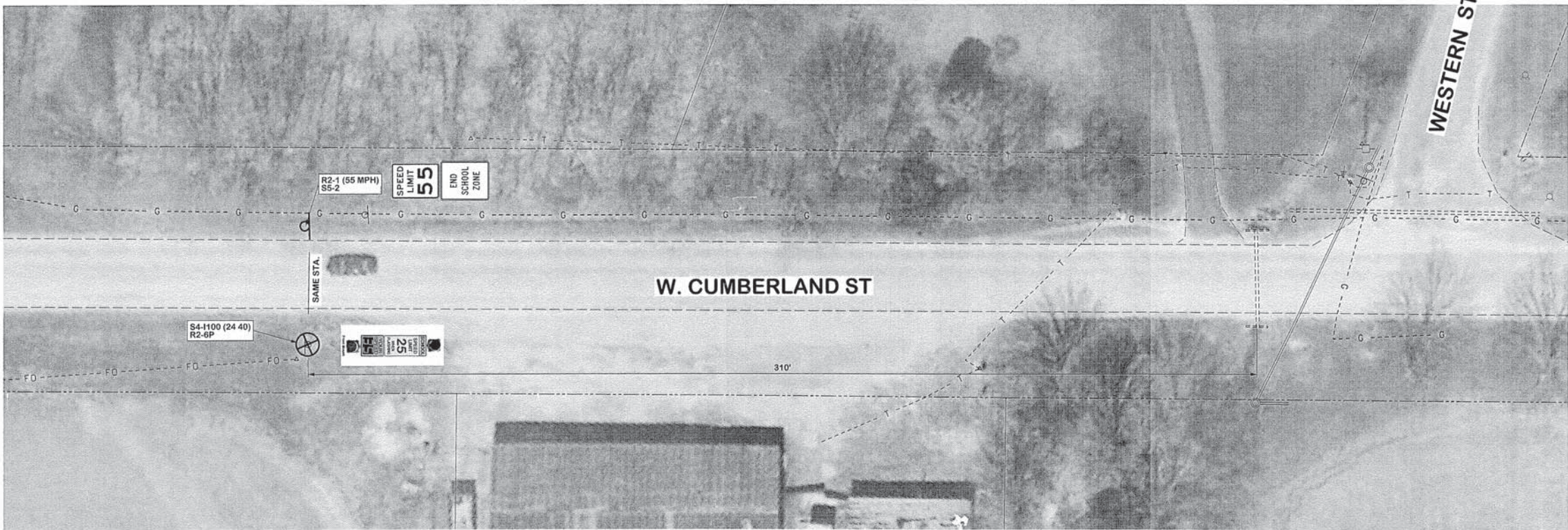


NOTE: REMOVE EXISTING SIGNS AND POSTS

SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)	
SEE PLAN	1 EACH

SIGN PANEL - TYPE 1	
SEE PLAN	5 SQ. FT.
SEE PLAN	5 SQ. FT.
TOTAL=	10 SQ. FT.

TELESCOPING STEEL SIGN SUPPORT	
SEE PLAN	14 FOOT



NOTE: REMOVE EXISTING SIGNS AND POSTS

SOLAR-POWERED FLASHING BEACON ASSEMBLY (COMPLETE)	
SEE PLAN	1 EACH

SIGN PANEL - TYPE 1	
SEE PLAN	5 SQ. FT.
SEE PLAN	5 SQ. FT.
TOTAL=	10 SQ. FT.

TELESCOPING STEEL SIGN SUPPORT	
SEE PLAN	14 FOOT

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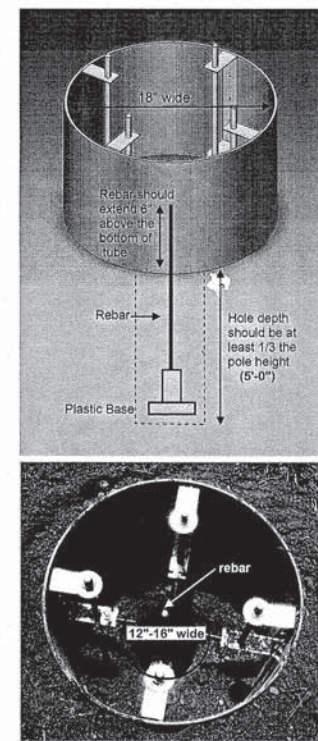
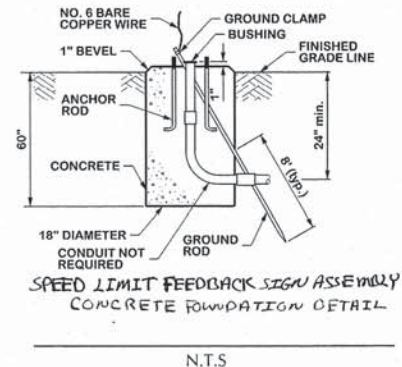
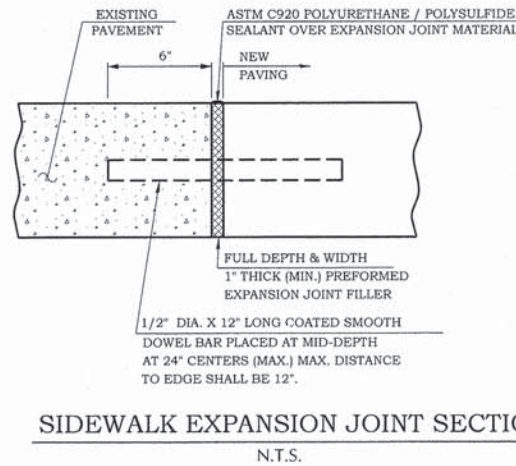
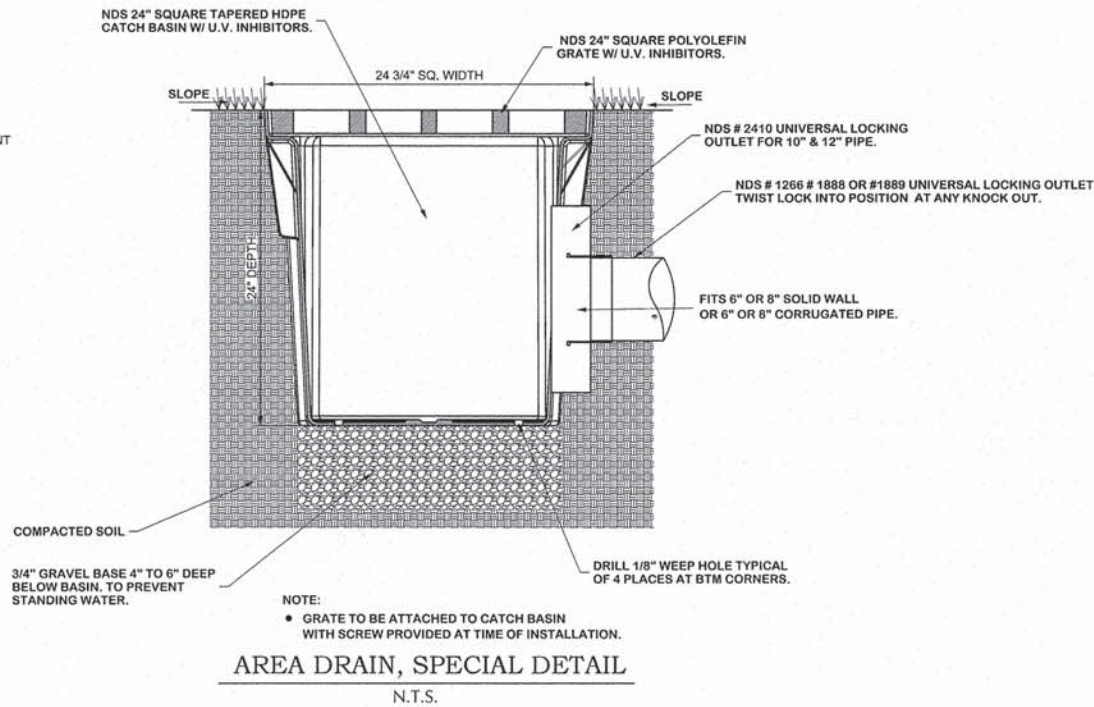
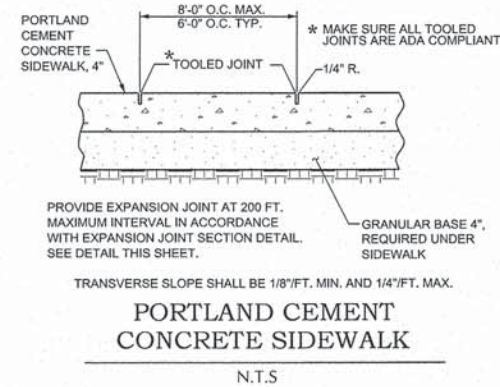
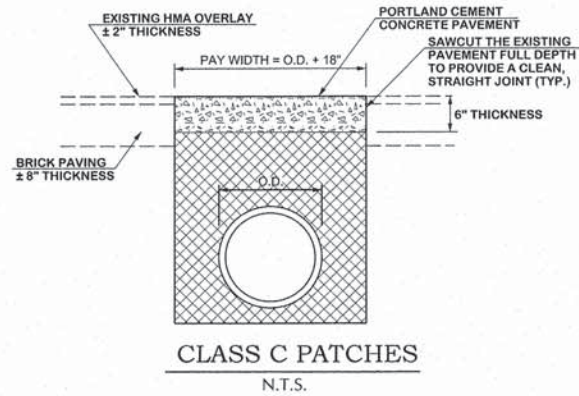
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 LAND SURVEYORS
 330 NORTH CENTRAL AVENUE
 PARIS, ILLINOIS 61944
 PH. (217) 465-5306
 PROFESSIONAL DESIGN FIRM #184-001406

SCALES	DRAWN DATE	FILE NO.
PLAN : 1"=20'	TLT 12/10/15	4708-01
REVISED DATE	CHECKED DATE	
REVISED DATE	APPROVED DATE	
REVISED DATE	REVISED DATE	

FRANCIS ASSOC.
 FILE NO.
4708-01

PLAN SHEET - W. CUMBERLAND ST
 SAFE ROUTE TO SCHOOL SIDEWALK IMPROVEMENTS
 CITY OF MARTINSVILLE, ILLINOIS, CLARK COUNTY

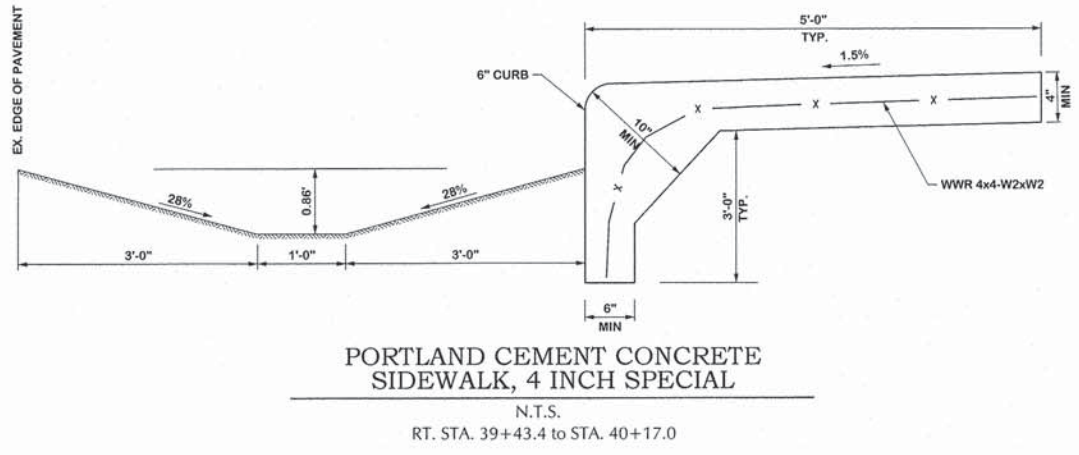
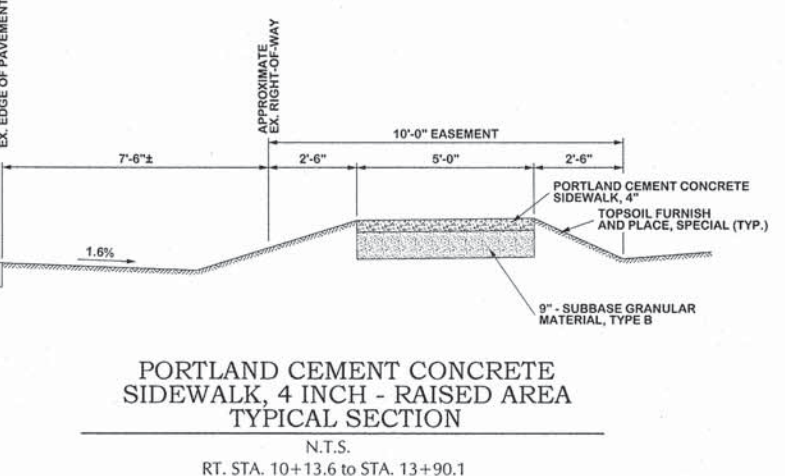
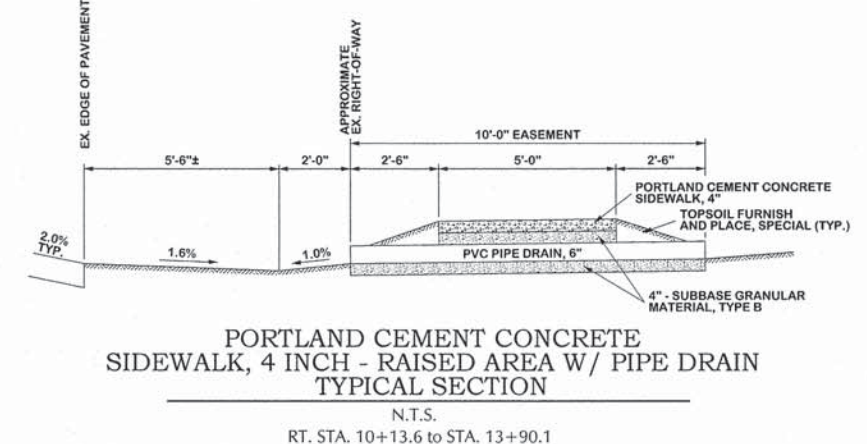
SHEET NO.
13
 OF 14 SHEETS



Feature	Specifications
LED Signal Head	Lamp Wattage: 5+- 10%
	Lens Material: Clear Polymeric
	Chromatically: 590 nm
	Working Voltage: 10-15 VDC (solar), 110 VDC (AC)
Flasher Module	Temperature Compensation: yes
	NEMA 4 Compliant
	Visible Beam Spread: 80° off axis
	UV Stabilization: yes
Calendar Timer Module (optional)	Polycarbonate Beacon Housing
	5 Year Standard Warranty
	100% solid state design
	Flash Rate: 60 bpm
Solar Cabinet	Duty Cycle: 50%
	Standard NEMA 2 circuit flasher
	16 character, alpha-numeric, Liquid Crystal Display (LCD)
	Automatic Daylight Savings Time (DST) compensation
Solar Panel Options	48-hour capacitive memory back-up-no batteries to replace
	16 program steps
	10 skip plans
	NEMA 3 aluminum cabinet
Solar Charge Controller (Solar Model only)	DCF-2 circuit 12 volt DC flasher
	8 pin flasher base
	Solar Regulator
	CPC connector with 84 inch harness
Battery (Solar model only)	High quality police lock
	Rated Power: 120 watt
	Rated Solar Current: 15A
	Rated Load Current: 15A
Flashing Beacon Mounting Options	System Voltage: 12/24V
	Sealed lead acid
	100% solid state
	Current compensated low voltage disconnect (LVD)



SOLAR-POWERED FLASHING BEACON ASSEMBLY
 N.T.S.



SPEED LIMIT FEEDBACK SIGN ASSEMBLY FOUNDATION HARDWARE DETAIL
 N.T.S.

