FOR INDEX OF SHEETS, SEE SHEET NO.2

04-27-12 LETTING ITEM 049

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

# PLANS FOR PROPOSED FEDERAL AID PROJECT

SAFE ROUTES TO SCHOOL **PROJECT NO. SRTS-4009(112) SECTION NO. 10-00010-00-SW** VILLAGE OF HINCKLEY **DEKALB COUNTY** JOB NO. C-40-059-09

R-5E

PROJECT LOCATED IN THE VILLAGE OF HINCKLEY

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.

JULIE. JOINT UTILITY LOCATION INFORMATION FOR **EXCAVATION** 

Know what's below. Call before you did.

#### **BENCH MARKS**

BM#1 - TOP OF SOUTHEAST FLANGE BOLT ON FIRE HYDRANT AT THE SOUTHEAST CORNER OF MILLER

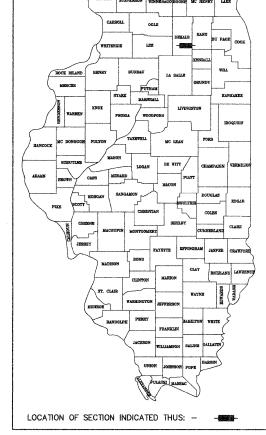
BM#2 - CUT CROSS ON NORTHWEST FLANGE BOLT ON FIRE HYDRANT AT THE SOUTHEAST CORNER OF MILLER AND GARFIELD. ELEV = 743.20

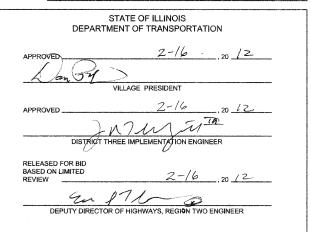
### Engineering Enterprises, Inc. CONSULTING ENGINEERS

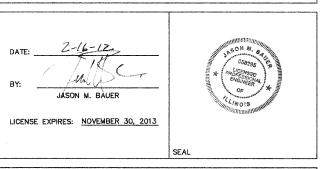
PROJECT LOCATION

52 Wheeler Road Sugar Grove, Illinois 60554 P: 630.466.6700 - W: www.eeiweb.com

DEKALB 11 N/A 10-00010-00-SW FED. ROAD
DIST. NO. ILLINOIS FED. AID PROJECT - SRTS CONTRACT NO. 87457







PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

NET LENGTH OF PROJECT = 6,500 FEET (1.23 MILES) GROSS LENGTH OF PROJECT = 6,500 FEET (1.23 MILES)

NW 1/4 SECTION 14

**LOCATION MAP** 

CONTRACT 87457

ENGINEERING ENTERPRISES, AUER (630)-466-6700

CALL 811

#### GENERAL NOTES

- STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JAN. 1, 2012, SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIFICATIONS AND PROVISIONS ADOPTED JAN. 1, 2012, AND REVISIONS THERETO, THESE IMPROVEMENT PLANS, DETAILS, SPECIAL PROVISIONS, CODES AND ORDINANCES OF THE VILLAGE OF HINCKLEY, ILLINOIS SHALL GOVERN
- SPECIAL ATTENTION IS CALLED TO THE FOLLOWING ARTICLES IN THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION:

ARTICLE 105.06 - COOPERATION BY CONTRACTOR ARTICLE 105.07 - COOPERATION WITH UTILITIES

ARTICLE 107.14 - MAINTENANCE OF TRAFFIC

ARTICLE 107.15 - DIRT ON PAVEMENT OR STRUCTURES
ARTICLE 107.25 - PROTECTION AND RESTORATION OF TRAFFIC SIGNS

ARTICLE 107.31 - CONTRACTOR'S RESPONSIBILITY FOR UTILITY PROPERTY AND SERVICES

ARTICLE 701.04 — WORK ZONE TRAFFIC CONTROL AND PROTECTION: GENERAL ARTICLE 701.07 — WORK ZONE TRAFFIC CONTROL AND PROTECTION: DROP-OFFS ARTICLE 701.17 — WORK ZONE TRAFFIC CONTROL AND PROTECTION: SPECIFIC

CONSTRUCTION OPERATIONS

- LOCATIONS OF UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE ONLY AND ARE NOT NECESSARILY COMPLETE. EXISTING AND PUBLIC UTILITIES ARE SHOWN ON THE PLANS, ACCORDING TO INFORMATION OBTAINED FROM UTILITY COMPANIES, MUNICIPALITIES AND
- THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL SECTION OR SUBSECTION SURVEY MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNER, HIS/HER AGENT OR AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- ALL ELEVATIONS ARE BASED ON U.S.G.S. DATUM.

THE CONTRACT UNIT PRICE FOR ALL REMOVAL PAY ITEMS SHALL INCLUDE ANY REQUIRED

- CONTRACTOR SHALL PROVIDE AND INSTALL A MINIMUM OF TWO WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED (ONE WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL). THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE TRAFFIC CONTROL AND PROTECTION ITEMS.
- BEFORE STARTING ALL EXCAVATIONS, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 811 FOR FIELD LOCATIONS OF BURIED UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
- IN ACCORDANCE WITH ARTICLE 107.15, WHENEVER CONSTRUCTION DEBRIS OR LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS.
- IF, DURING CONSTRUCTION, THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWER, UNDER DRAINS OR FIELD DRAINS WITHIN THE RIGHT-OF-WAY, OTHER THAN THOSE SHOWN ON THE PLANS, HE/SHE SHALL INFORM THE ENGINEER, WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR TO REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED AT THE
- 11. THE RESIDENT ENGINEER SHALL CONTACT THE IDOT DISTRICT 3 TRAFFIC CONTROL SUPERVISOR A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TRAFFIC CONTROL DEVICES.
- 12. ALL WORK PREFORMED RELATIVE TO THIS IMPROVEMENT SHALL COMPLY WITH ALL APPLICABLE
- ALL ROADWAYS SHALL BE OPEN TO TRAFFIC AT ALL TIMES. WHEN IT IS NECESSARY TO CLOSE ONE LANE OF TRAFFIC DUE TO CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN AT ONE LANE OF TRAFFIC DURING CONSTRUCTION HOURS WITH THE USE OF SIGNS AND FLAGGERS AS SHOWN IN THE TRAFFIC CONTROL STANDARDS. DURING NON-WORK HOURS, ALL LANES SHALL BE OPEN TO TRAFFIC
- 14. ALL SIDEWALK AND PATH SECTIONS TO BE REPLACED AT ALL ROADWAY CROSSINGS SHALL BE INSTALLED WITH PREFORMED DETECTABLE WARNING PANELS IN LIEU OF STAMPED COLORED CONCRETE. A PREFABRICATED, BRICK RED (FEDERAL STANDARD COLOR 30166) DETECTABLE WARNING PANEL, WITH SQUARE PATTERNED TRUNCATED DOMES SHALL BE USED. THE PANEL SHALL BE AN E-Z-SET CERAMIC COMPOSITE DETECTABLE WARNING PANEL, AN ADA SOLUTIONS CAST-IN-PLACE COMPOSITE PAVER TILE, OR APPROVED EQUAL. THIS WORK SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ANY RESIDENT OR BUSINESS OF ANY DRIVEWAY REMOVAL AND REPLACEMENT THAT WILL INHIBIT ACCESS TO THEIR DRIVEWAY, IN WRITING, A MINIMUM OF 48 HOURS BUT NOT MORE THAN 72 HOURS, PRIOR TO THE COMMENCEMENT OF THESE ACTIVITIES. THE MORNING OF THE WORK, THE CONTRACTOR SHALL AGAIN TO NOTIFY THE OWNER VERBALLY, TO ALLOW THE OWNER TIME TO MOVE THEIR VEHICLE SO AS NOT TO PROHIBIT THE VEHICLE FROM LEAVING THE DRIVEWAY UPON REMOVAL OF ANY MATERIAL. THE NOTICE GIVEN OUT BY THE CONTRACTOR SHOULD PROVIDE INFORMATION REGARDING THE ANTICIPATED DATE THAT FULL ACCESS WILL BE RESTORED COORDINATION BETWEEN ACTIVITIES SHOULD ALLOW ALL WORK TO BE DONE IN A TIMELY MATTER SO AS TO PERMIT ACCESS TO THE ROADWAY. ANY ADDITIONAL COST OF STAGING REQUIRED TO MAINTAIN TO ACCESS IS CONSIDERED INCLUDED IN THE COST OF THE SPECIFIED PAY ITEMS.

F.A.U. SECTION		COUNTY	TOTAL SHEETS	SHEET NO.		
N/A 10-00010-00-SW		DEKALB	11	2		
CONTRACT NO. 87457						

#### **INDEX OF SHEETS**

#### SHEET NO.

#### SHEET DESCRIPTION

- COVER SHEET AND LOCATION MAP
- GENERAL NOTES, HIGHWAY STANDARDS AND INDEX OF SHEETS
- SUMMARY OF QUANTITIES
- TYPICAL SECTIONS
- PLAN VIEW AND CONSTRUCTION NOTES -MILLER AVE. STA 100+00 TO STA 110+00
- PLAN VIEW AND CONSTRUCTION NOTES -MILLER AVE. STA 110+00 TO STA 120+00
- PLAN VIEW AND CONSTRUCTION NOTES MILLER AVE. STA 120+00 TO STA 130+00
- PLAN VIEW AND CONSTRUCTION NOTES MILLER AVE. STA 130+00 TO STA 139+50
- PLAN VIEW AND CONSTRUCTION NOTES -VIEW STREET
- PLAN VIEW AND CONSTRUCTION NOTES -COSTER PLACE
- PLAN VIEW AND CONSTRUCTION NOTES -BIKE PATH

#### HIGHWAY STANDARDS

STD. NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-06	TEMPORARY EROSION CONTROL SYSTEMS
424001-06	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424026	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
542401-01	METAL END SECTIONS FOR PIPE CULVERTS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
70180105	LANE CLOSURE MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-03	TYPICAL PAVEMENT MARKINGS

HT © 2012 ENGINEERING ENTERPRISES, INC.



VILLAGE OF HINCKLEY DEKALB COUNTY, ILLINOIS

1			
	1	2/1/12	REVISED PER IDOT COMMENTS FROM 12/14/11
	NO.	DATE	REVISIONS

SAFE ROUTES TO SCHOOL **IMPROVEMENTS** 

**GENERAL NOTES, HIGHWAY** STANDARDS, AND INDEX **OF SHEETS** 

DATE: NOVEMBER 20 PROJECT NO: HI0804 FILE: HI0804-CVF 11

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
N/A	10-00010-00-SW	DEKALB	11	3	
CONTRACT NO. 87457					

# **SUMMARY OF QUANTITIES**

		SUMMARY OF QUANTITIES		[000]
	DAY ITEM	DAY LITER DECORUPTION	11117	[002]
	PAY ITEM		UNIT	QUANTITY
	20101200	TREE ROOT PRUNING	EACH	1
	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	2
	20200100	EARTH EXCAVATION	CU YD	538
	20800150	TRENCH BACKFILL	CU YD	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	
	21400100	GRADING AND SHAPING DITCHES	FOOT	830
	25000100	SEEDING, CLASS 1	ACRE	0.8
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	72
	25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	72
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	72
	25100630	EROSION CONTROL BLANKET	SQ YD	3775
	28000500	INLET AND PIPE PROTECTION	EACH	13
	35101400	AGGREGATE BASE COURSE TYPE B	TON	504
	35800100	PREPARATION OF BASE	SQ YD	990
	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	4.5
	40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	495
	40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	4
	40603305	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30	TON	115
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	12
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	15691
	42400800	DETECTABLE WARNINGS	SQ FT	220
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	255
	44000600	SIDEWALK REMOVAL	SQ FT	467
	44002208	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2"	SQ YD	33
	44201694	CLASS D PATCHES, TYPE III, 4 INCH	SQ YD	27
	50105220	PIPE CULVERT REMOVAL	FOOT	212
	542C0217	PIPE CULVERTS, CLASS C, TYPE 1, 12"	FOOT	351
	54215547	METAL END SECTIONS 12"	EACH	19
	54215550	METAL END SECTIONS 15"	EACH	1
	54215553	METAL END SECTIONS 18"	EACH	1
<b>¥</b> Λ	56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	1
7. –	60250200	CATCH BASINS TO BE ADJUSTED	EACH	1
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	1
	67100100	MOBILIZATION	L SUM	1 .
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
	72000100	SIGN PANEL - TYPE 1	SQ FT	44
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	60
Δ	78000400	THERMOPLASTIC PAVEMENT MARKINGS - LINE 6"	FOOT	658
<i>→</i>	Z0004510	HMA DRIVEWAY PAVEMENT. 3"	SQ YD	245
^	2000 1010	THE PARTY FRANCE TO THE PRODUCT OF T	טע זע	2.70

\* SEE SPECIAL PROVISIONS

\$\Delta SPECIALTY ITEM=

COPYRIGHT © 2012 ENGINEERING ENTERPRISES, INC.



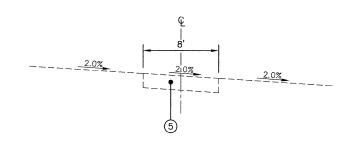
VILLAGE OF HINCKLEY
DEKALB COUNTY, ILLINOIS

			ſ
			i
			100
			ě
1	2/1/12	REVISED PER IDOT COMMENTS FROM 12/14/11	ı
NO.	DATE	REVISIONS	ı
			_

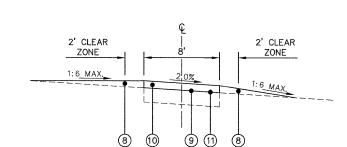
SAFE ROUTES TO SCHOOL IMPROVEMENTS

**SUMMARY OF QUANTITIES** 

 DATE:	NC	VEMBE	R	2011
PROJECT	NO:		HIC	0804
FILE:		HI080	)4-	-CVR
CULTET	3	OF	1	1



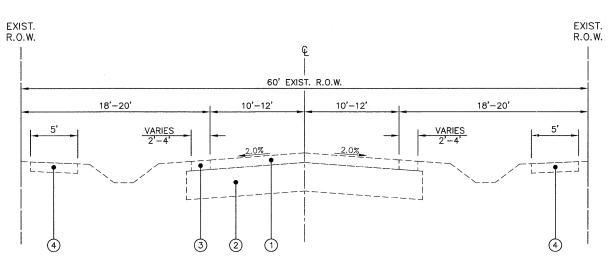
EXISTING TYPICAL CROSS-SECTION
BIKE PATH
FROM STA 400+20 TO STA 410+30



# PROPOSED TYPICAL CROSS-SECTION BIKE PATH FROM STA 400+20 TO STA 410+30 N.T.S.

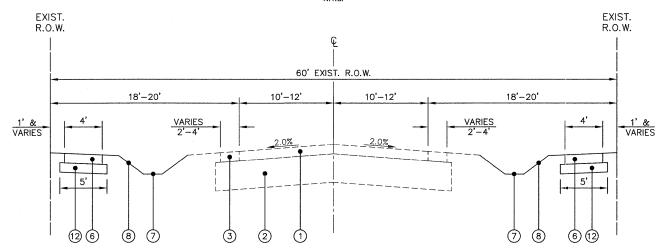
## **Hot-Mix Asphalt Mixtures Requirement Table**

	HMA Driveway (3") and Bike Path (2")	Class D Patches, 4"	Hot-Mix Replacement Over Patches (2")
PG Grade	PG58-22	PG58-22	PG58-22
Design Air Voids	3.0%@N30	4.0%@N50	4.0%@N50
Mixture Composition	IL-9.5	IL-19.0	IL-9.5
Friction Aggregate	Mixture C	Mixture C	Mixture C
<b>Density Test Method</b>	Growth Curve	Growth Curve	Growth Curve



#### **EXISTING TYPICAL CROSS-SECTION**

FROM STA 100+00 TO STA 139+60, MILLER AVENUE FROM STA 200+00 TO STA 209+00, VIEW STREET FROM STA 300+80 TO STA 303+30, COSTER PLACE N.T.S.



PROPOSED TYPICAL CROSS-SECTION
FROM STA 100+00 TO STA 139+60, MILLER AVENUE
FROM STA 200+00 TO STA 209+00, VIEW STREET
FROM STA 300+80 TO STA 303+30, COSTER PLACE

#### LEGEND

- 1) EXISTING 4" ASPHALT PAVEMENT
- (2) EXISTING 12" AGGREGATE BASE COURSE
- 3 EXISTING AGGREGATE SHOULDER
- (4) EARTH EXCAVATION \*
- 5) EXISTING 6" AGGREGATE BIKE PATH
- 6 PCC SIDEWALK 5 INCH \*
- 7) GRADING AND SHAPING DITCHES
- 8 CLASS 1 SEEDING, FERTILIZER AND EROSION CONTROL BLANKET

  9 PREPARATION OF BASE
- (10) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N30, 2"
- (11) BITUMINOUS MATERIALS (PRIME COAT)
- (12) AGGREGATE BASE COURSE, TYPE B, 4"\*

DPYRIGHT © 2012 ENGINEERING ENTERPRISES, INC.



VILLAGE OF HINCKLEY
DEKALB COUNTY, ILLINOIS

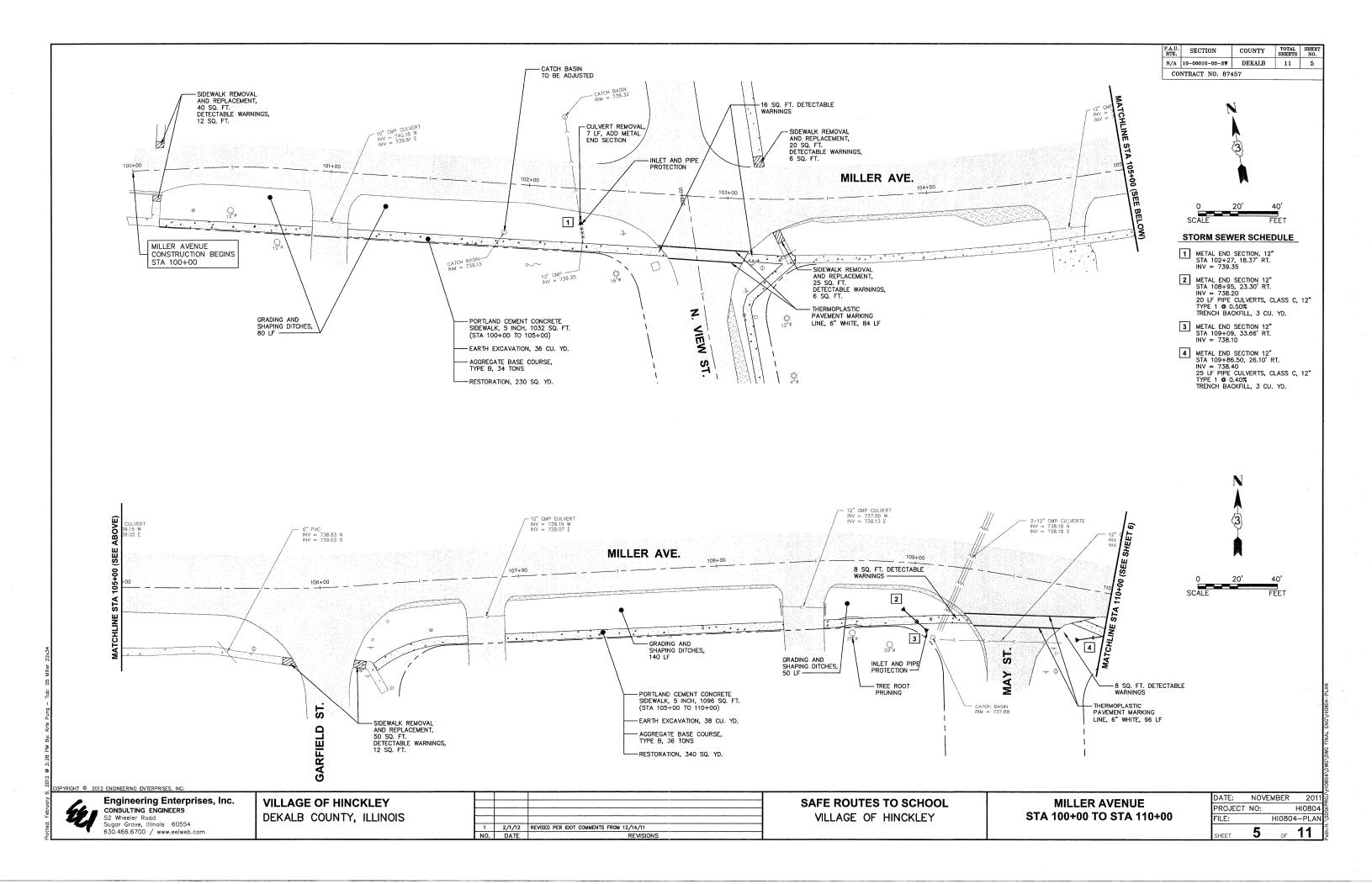
				1
				7
				1
1				٦
	1	2/1/12	REVISED PER IDOT COMMENTS FROM 12/14/11	٦
	NO.	DATE	REVISIONS	1

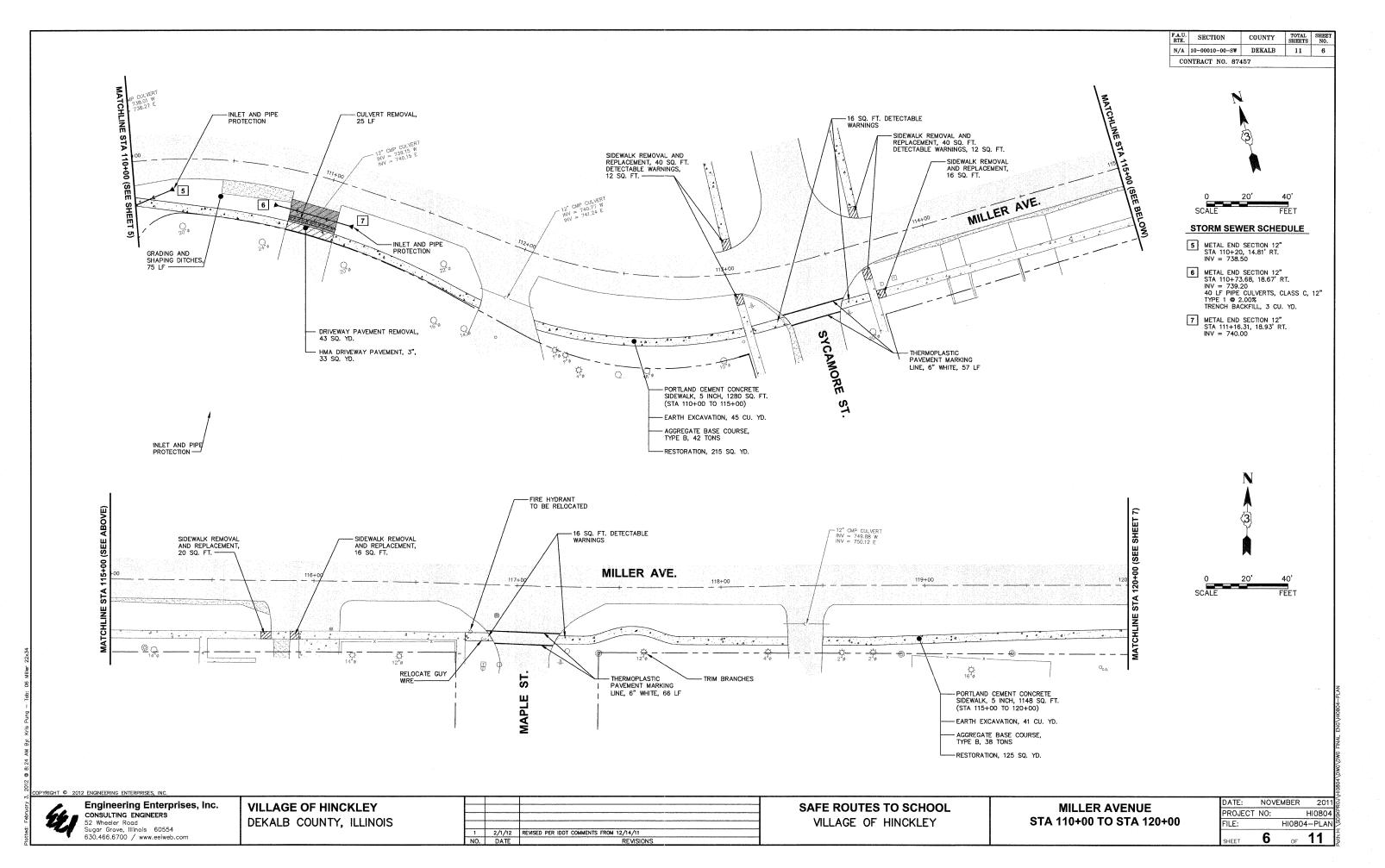
SAFE ROUTES TO SCHOOL IMPROVEMENTS

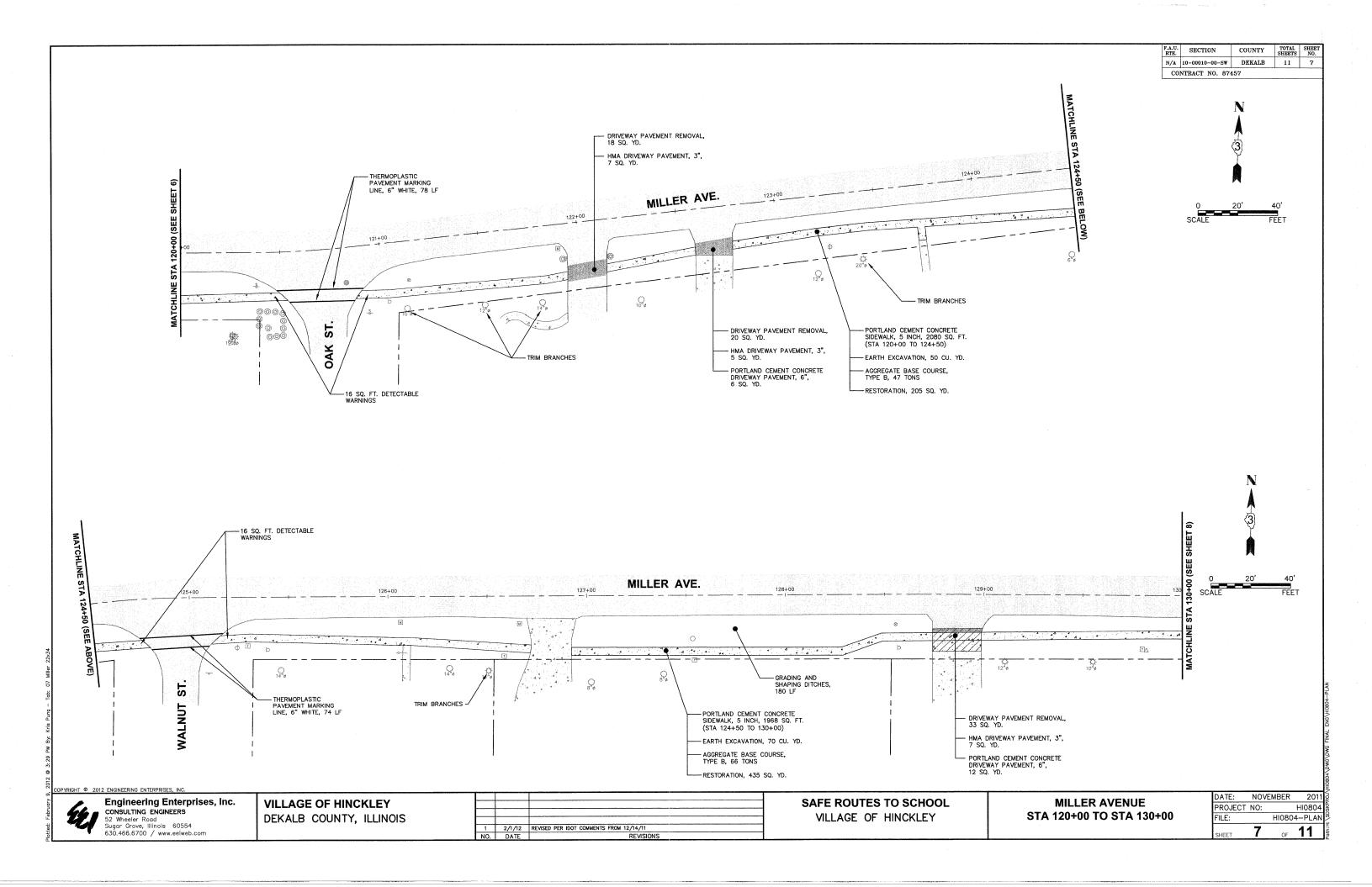
TYPICAL SECTIONS

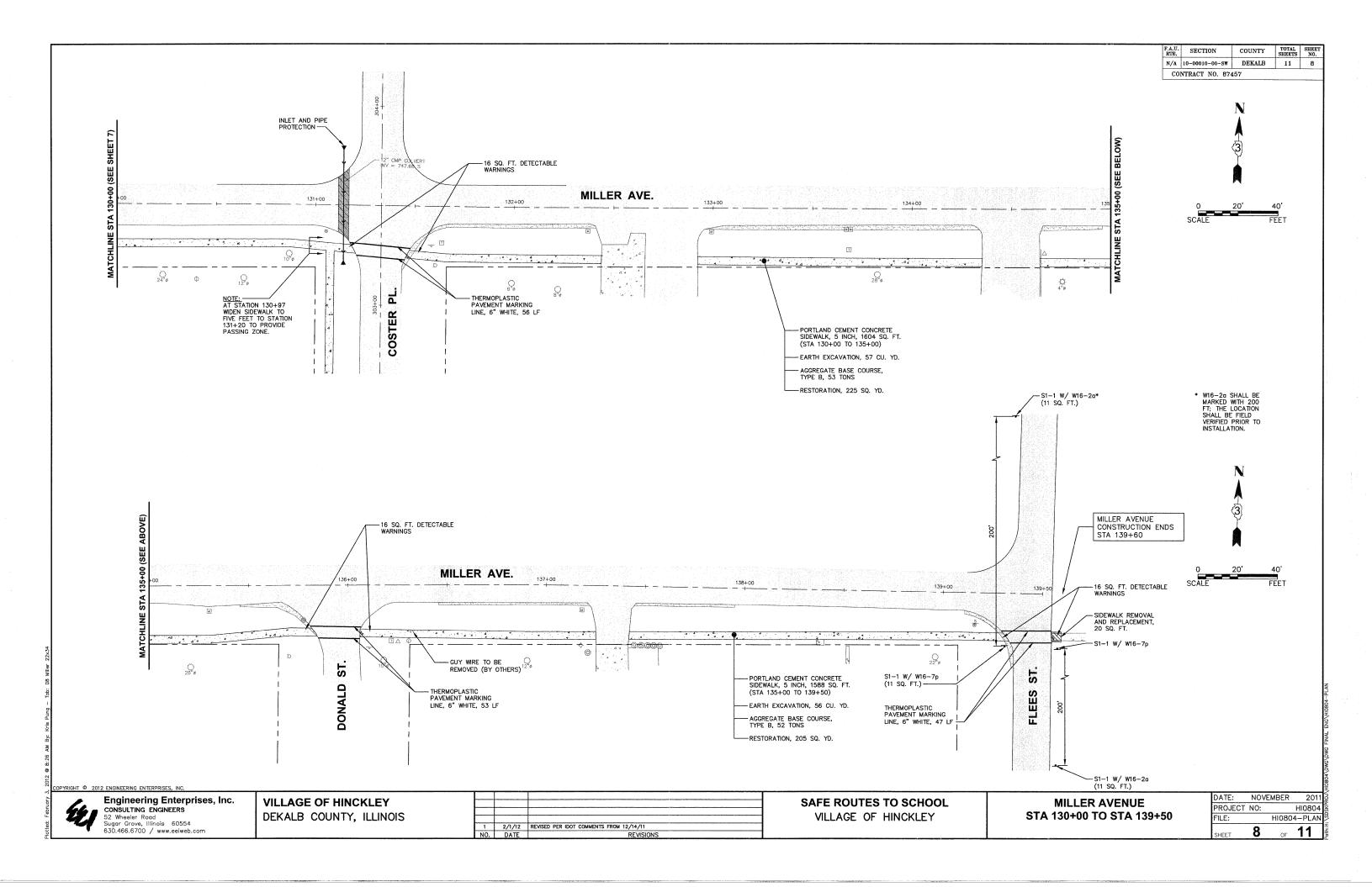
DATE:	N	OVEMBER	2011
PROJECT	NO:	Н	10804
FILE:		HI0804	-CVR
CHEET	4	OF P	11

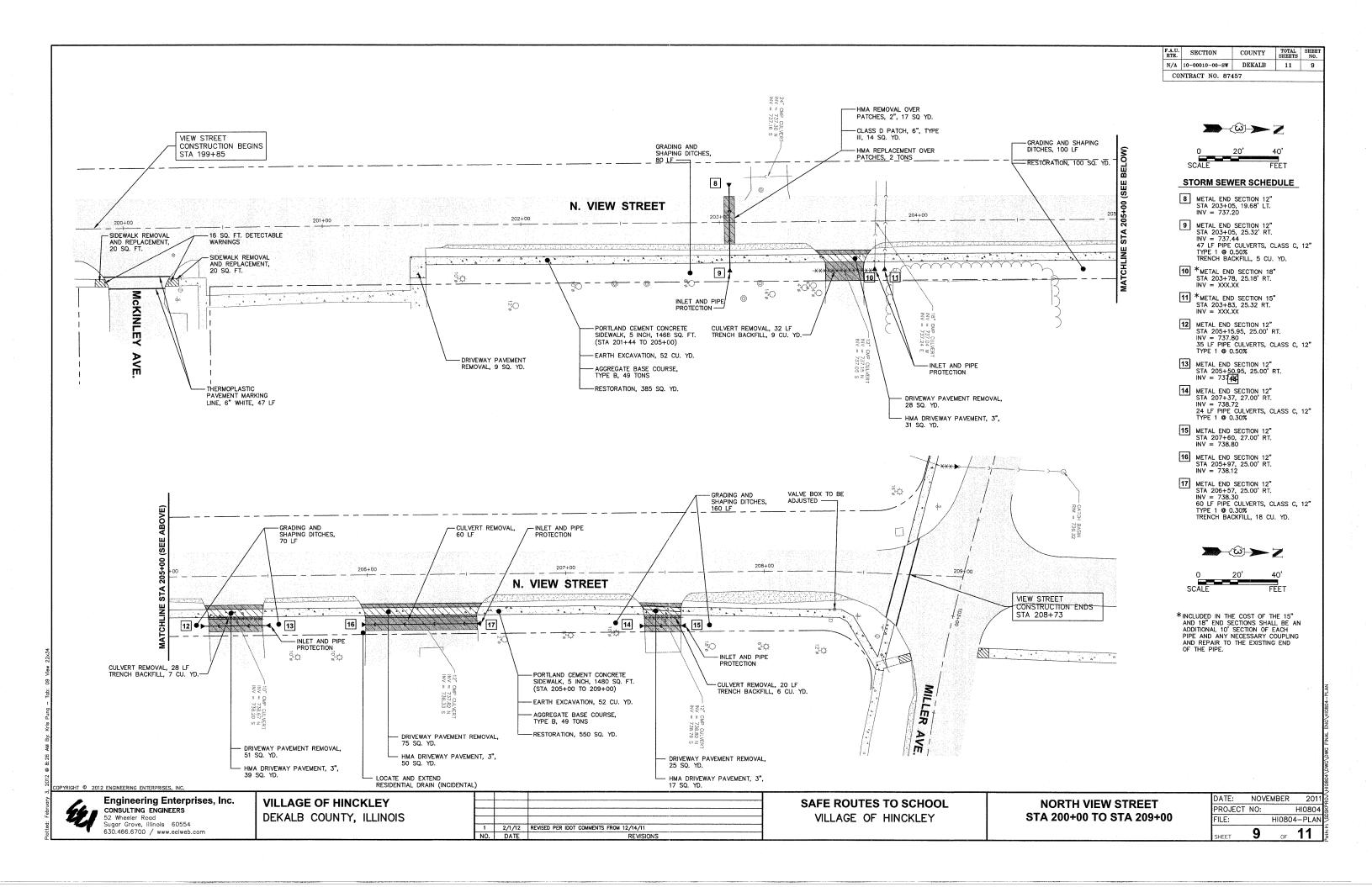
st sidewalk on left on coster place only



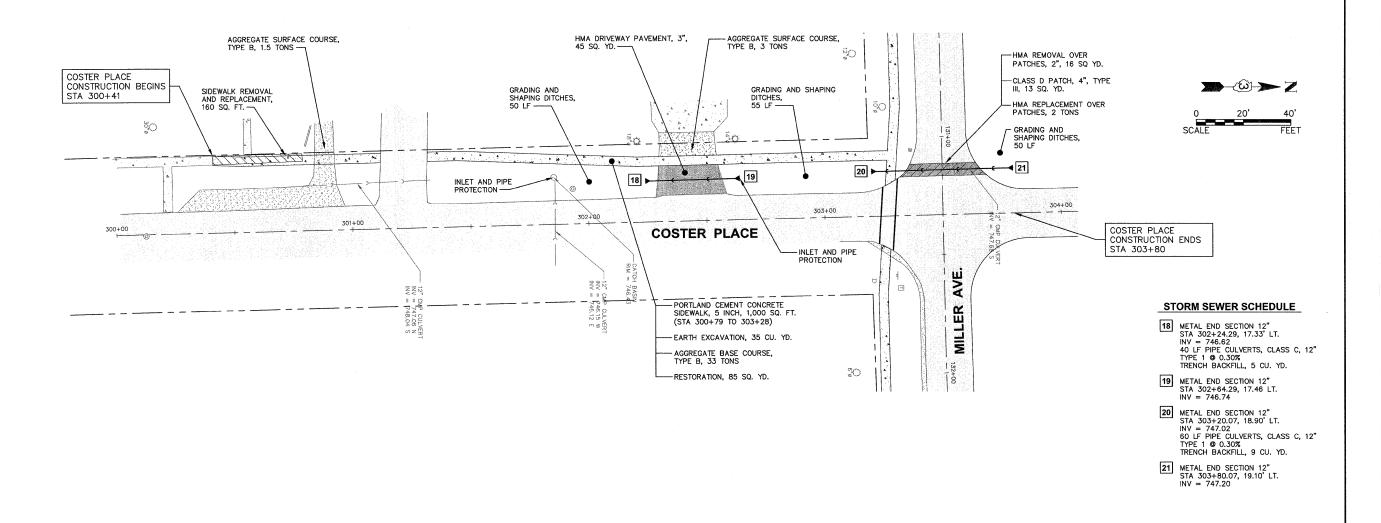








F.A.U. RTE.	SECTION COUNTY		TOTAL SHEETS	SHEET NO.		
N/A	10-00010-00-SW	DEKALB	11	10		
CONTRACT NO 87457						



YRIGHT © 2012 ENGINEERING ENTERPRISES, INC.

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeiweb.com

VILLAGE OF HINCKLEY
DEKALB COUNTY, ILLINOIS

SAFE ROU

1 2/1/12 REVISED PER IDOT COMMENTS FROM 12/14/11

NO. DATE REVISIONS

SAFE ROUTES TO SCHOOL
VILLAGE OF HINCKLEY

COSTER PLACE STA 300+00 TO STA 303+50

 		· · · · · ·	
DATE:	NOVE	EMBER	2011
PROJECT	NO:		HI0804
FILE:		HI080	4-PLAN
	10		11

