

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

**FAU RTE 1552 (GERMAN CHURCH RD), FAU RTE 2689 (WOLF RD), & SCHOOL ST  
WOLF RD TO WILLOW WEST DR  
STRATFORD DR TO GERMAN CHURCH RD  
GERMAN CHURCH RD TO SCHOOL PROPERTY  
SIDEWALK CONSTRUCTION  
SECTION No. 11-00032-00-SW  
PROJECT No. SRTS 4009(106)  
VILLAGE OF WILLOW SPRINGS  
COOK COUNTY  
JOB No. C-40-008-11**

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1552 (G.C.)	11-00032-00-SW	COOK	20	1
STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD)				
STA. 10+19 TO STA. 18+32 (SCHOOL STREET)				
STA. 11+19 TO STA. 17+00 (WOLF ROAD)				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63688				



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED 2/14/12  
*[Signature]*  
VILLAGE OF WILLOW SPRINGS PRESIDENT

PASSED FEBRUARY 14, 2012  
*[Signature]*  
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED  
REVIEW FEBRUARY 14, 2012  
*[Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS/REGION ENGINEER

**INDEX TO SHEETS:**

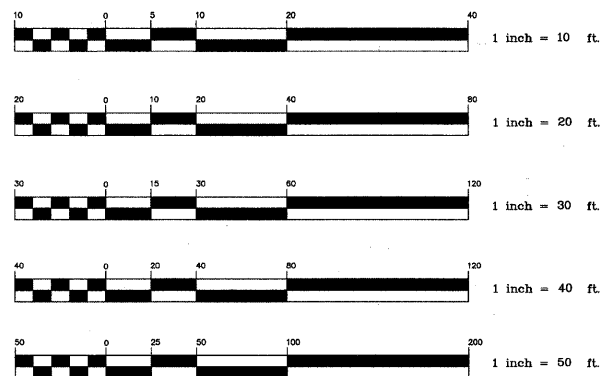
SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	GENERAL NOTES
3.	SUMMARY OF QUANTITIES
4.	TYPICAL EXISTING SECTIONS
5.	TYPICAL SECTIONS & HOT-MIX ASPHALT MIXTURE CHART
6-9.	PLAN AND PROFILE SHEETS
10.	SEGMENTAL BLOCK WALL DETAIL
11.	DISTRICT 1 DETAIL-TC10-TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS
12.	DISTRICT 1 DETAIL-TC13-TYPICAL PAVEMENT MARKINGS
13-16.	CROSS-SECTIONS; GERMAN CHURCH ROAD R.O.W.
17-18.	CROSS-SECTIONS; SCHOOL STREET R.O.W.
19-20.	CROSS-SECTIONS; WOLF ROAD R.O.W.

**HIGHWAY STANDARDS:**

STANDARD NO.	DESCRIPTION
000001-06:	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-06:	TEMPORARY EROSION CONTROL SYSTEMS
424001-06:	CURB RAMPS FOR SIDEWALKS
602011-02:	CATCH BASIN TYPE C
604001-03:	FRAME AND LIDS, TYPE 1
701501-06:	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-02:	TRAFFIC CONTROL DEVICES
780001-03:	TYPICAL PAVEMENT MARKINGS

ADT = 6,300 (GERMAN CHURCH ROAD)  
2,500 (WOLF ROAD)  
SPEED LIMIT = 40 MPH (GERMAN CHURCH ROAD)  
40 MPH (WOLF ROAD)  
DESIGN SPEED = 40 MPH (GERMAN CHURCH ROAD)

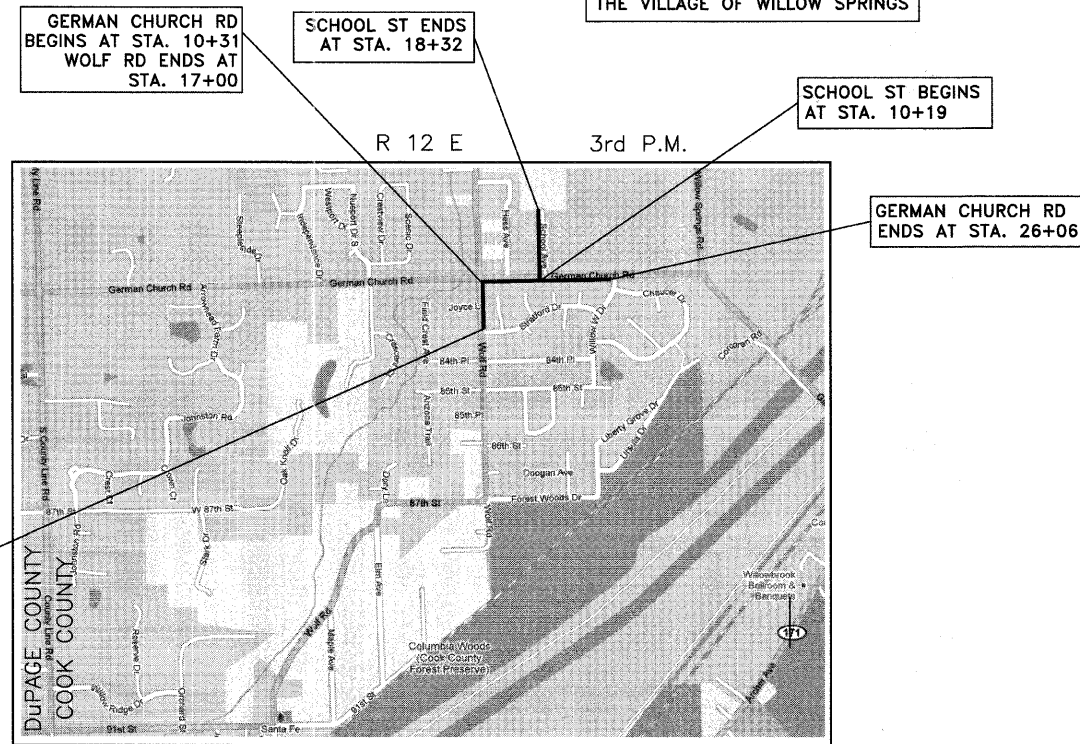
**DESIGN DESIGNATION**  
GERMAN CHURCH RD = MINOR ARTERIAL URBAN  
WOLF RD = COLLECTOR URBAN  
SCHOOL ST = LOCAL



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

J.U.L.I.E.  
JOINT UTILITY LOCATION FOR EXCAVATION  
1-800-892-0123 -OR- 811

**CONTRACT NO. 63688**

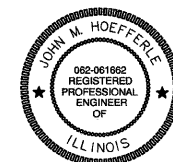


LYONS TOWNSHIP **LOCATION MAP**  
SCALE: N.T.S.

GROSS LENGTH OF PROJECT 2,969 FEET (0.56 MILES)  
NET LENGTH OF PROJECT 2,969 FEET (0.56 MILES)

**hbe Hoeffler-Butler Engineering, Inc.**  
Consulting Civil Engineers - Land Surveyors  
PROFESSIONAL DESIGN FIRM LICENSE NO. 194-00019  
8714 S. ROBERTS ROAD HICKORY HILLS, ILLINOIS 60457  
(708) 599-6980 FAX (708) 599-6796

EXPIRES 11-30-13



*[Signature]*  
SIGNATURE  
1/31/12  
DATE

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

# GENERAL NOTES

**CLEARING**

ALL AREAS DESIGNATED IN PLANS AS TO BE CLEARED SHALL INVOLVE REMOVAL OF OBSTRUCTIONS AS DEFINED IN ARTICLE 201.01(a) OF THE STANDARD SPECIFICATIONS. ALL CLEARING SHALL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF THE CONTRACT.

**UTILITIES**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNER OF ALL EXISTING FACILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTORS SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE STANDARD SPECIFICATIONS.

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE VILLAGE DOES NOT GUARANTEE THEIR ACCURACY, THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS OWN EXPENSE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE VILLAGE. THIS WORK SHALL BE AT THE CONTRACTORS EXPENSE.

COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)

CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, DETECTORS AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUIT AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT AND/OR EQUIPMENT AT NO COST TO THE COUNTY OR VILLAGE.

**STORM SEWER**

ANY EXISTING STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT HIS OR HER OWN EXPENSE.

**RESTORATION**

CONTRACTOR IS TO RESTORE ALL UNPAVED AREAS DAMAGED DURING CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITION INCLUDING THE FINE GRADING AND SODDING OR SEEDING OF AREAS WITHIN EASEMENTS AND RIGHTS-OF-WAY.

EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL DISTURBED AREAS PRIOR TO FINAL LANDSCAPING

**TRAFFIC SIGNS**

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR, CORY JUCIUS, AT 847-705-4470 PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

THE COOK COUNTY TRAFFIC FIELD OFFICE REPRESENTATIVE (DILIP PATEL) SHALL BE CONTACTED AT 708-485-7130 PRIOR TO ANY REMOVAL AND RELOCATION OF TRAFFIC AND PARKING SIGNS ON GERMAN CHURCH AND WOLF ROADS.

THE RESIDENT ENGINEER MUST CONTACT ARVIND SHAH, FIELD TRAFFIC ENGINEER FOR COOK COUNTY HIGHWAY DEPARTMENT, AT 847-827-7824, FOR SIGNAGE AND MARKING DETAILS PRIOR TO INSTALLATION AND PLACEMENT.

PRIOR TO BEGINNING WORK, CONTRACTOR WILL BE REQUIRED TO DEPOSIT A PERFORMANCE AND RIGHT-OF-WAY RESTORATION BOND WITH COOK COUNTY HIGHWAY DEPARTMENT PERMIT OFFICE IN THE AMOUNT OF \$20,000.

**MISCELLANEOUS**

ACCESS: THE CONTRACTOR SHALL PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION, EXCEPT DURING HTE INSTALLATION OF SIDEWALK SPANNING DRIVEWAYS, WHICH INCLUDES THE LENGTH OF TIME NECESSARY FOR EXCAVATION, FRAMING, POURING, AND CURING.

DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

ALL SAWCUTTING SHALL BE INCLUDED IN THE UNIT OF COST OF REMOVAL ITEMS AND SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT.

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED. (ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.) TYPE III BARRICADES SHALL HAVE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.

ANY EXISTING PAVEMENT OUTSIDE THE AREAS DESIGNATED FOR REMOVAL IN THE PLANS DAMAGED BY THE CONTRACTOR DURING THE CONSTRUCTION SHALL BE REPLACED/REPAIRED BY THE CONTRACTOR AT HIS/HERS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER WITH NO ADDITIONAL COMPENSATION TO THE CONTRACTOR.

**STAKING**

THE CONTRACTOR SHALL TAKE CARE TO PROTECT AND PRESERVE ALL STAKING AND MARKING DURING CONSTRUCTION. CONTINUOUS DESTRUCTION OF STAKES AS A RESULT OF CARELESSNESS MAY RESULT IN THE CONTRACTOR BEING BILLED FOR THE COST OF REPLACEMENT.

THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF WORK. THEY SHALL BE NOTIFIED AT LEAST 72 HOURS IN ADVANCE IF CONSTRUCTION STAKING IS REQUIRED.

STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD) STA. 10+19 TO STA. 18+32 (SCHOOL STREET) STA. 11+19 TO STA. 17+00 (WOLF ROAD)	DRAWN BY: JMH CHECKED BY: JCH DATE: 04/27/11 REVISED: 01.10.12	REVISED: _____ REVISED: _____ REVISED: _____ REVISED: _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	FAU RTE 1552 (G.C.)	SECTION 11-00032-00-SW	COUNTY COOK	TOTAL SHEETS 20	SHEET NO. 2	
					SCALE: N.T.S.		SHEET No. 2 OF 20 SHEETS		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
								CONTRACT No. 63688		

Prepared under the supervision of the State of Illinois Department of Transportation, Office of the State Engineer, Springfield, Illinois.

FEB. JOB No. 10-870

## SUMMARY OF QUANTITIES

CODE No.	ITEMS	UNIT	CONSTRUCTION TYPE CODE 0021
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER))	UNIT	215
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	32
20200100	EARTH EXCAVATION	CU YD	576
20900110	POROUS GRANULAR BACKFILL	CU YD	74
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4,623
21400100	GRADING AND SHAPING DITCHES	FOOT	1,800
25000210	SEEDING, CLASS 2A	ACRE	0.96
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	104
25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	104
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	104
25200110	SODDING, SALT TOLERANT	SQ YD	1,355
25100630	EROSION CONTROL BLANKET	SQ YD	4,623
28000510	INLET FILTERS	EACH	4
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,644
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	159
35501287	HOT-MIX ASPHALT BASE COURSE, 2 1/4"	SQ YD	159
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	13.50
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	14,158
42400400	PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH	SQ FT	632

CODE No.	ITEMS	UNIT	CONSTRUCTION TYPE CODE 0021
42400800	DETECTABLE WARNINGS	SQ FT	50
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	228
550A0050	STORM SEWERS, CLASS A, TYPE 1, 12"	FOOT	151
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	8
60107600	PIPE UNDERDRAINS 4"	FOOT	105
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	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
* 72000100	SIGN PANEL - TYPE 1	SQ FT	78
* 72900100	METAL POST - TYPE A	FOOT	81
* 78000600	THERMOPLASTIC PAVEMENT MARKING-LINE 12"	FOOT	78
Z0013302	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	97
Z0022800	FENCE REMOVAL	FOOT	24
XZ127900	RETAINING WALL REMOVAL	FOOT	7
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	8
50104400	CONCRETE HEADWALL REMOVAL	EACH	2
* Z0033058	POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)	EACH	2
X0322917	Proposed Storm Sewer Connection to existing manhole.	EACH	1

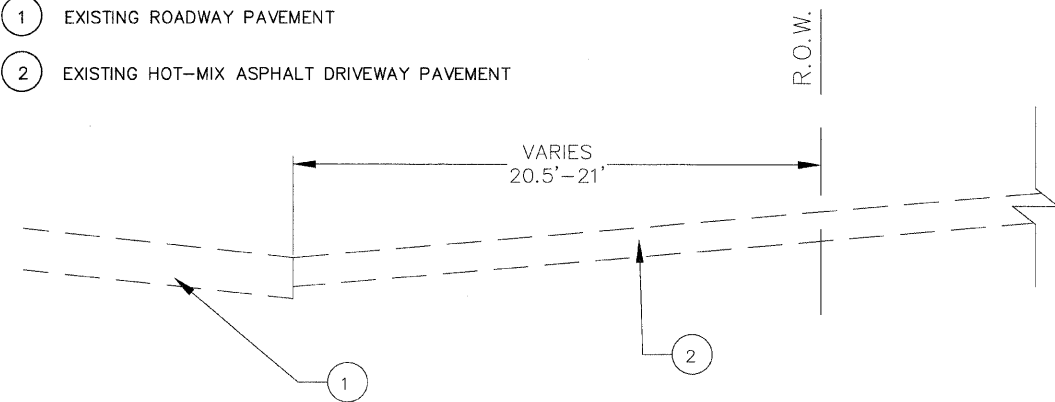
\* DENOTES SPECIALTY ITEM

STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD) STA. 10+19 TO STA. 18+32 (SCHOOL STREET) STA. 11+19 TO STA. 17+00 (WOLF ROAD)	DRAWN BY: JMH CHECKED BY: JCH DATE: 04/27/11 REVISED: 01.10.12	REVISED: _____ REVISED: _____ REVISED: _____ REVISED: _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	FAU RTE 1552 (G.C.)	SECTION 11-00032-00-SW	COUNTY COOK	TOTAL SHEETS 20	SHEET NO. 3	
					SCALE: N.T.S.      SHEET No. 3 OF 20 SHEETS		CONTRACT No. 63688		ILLINOIS	FED. AID PROJECT

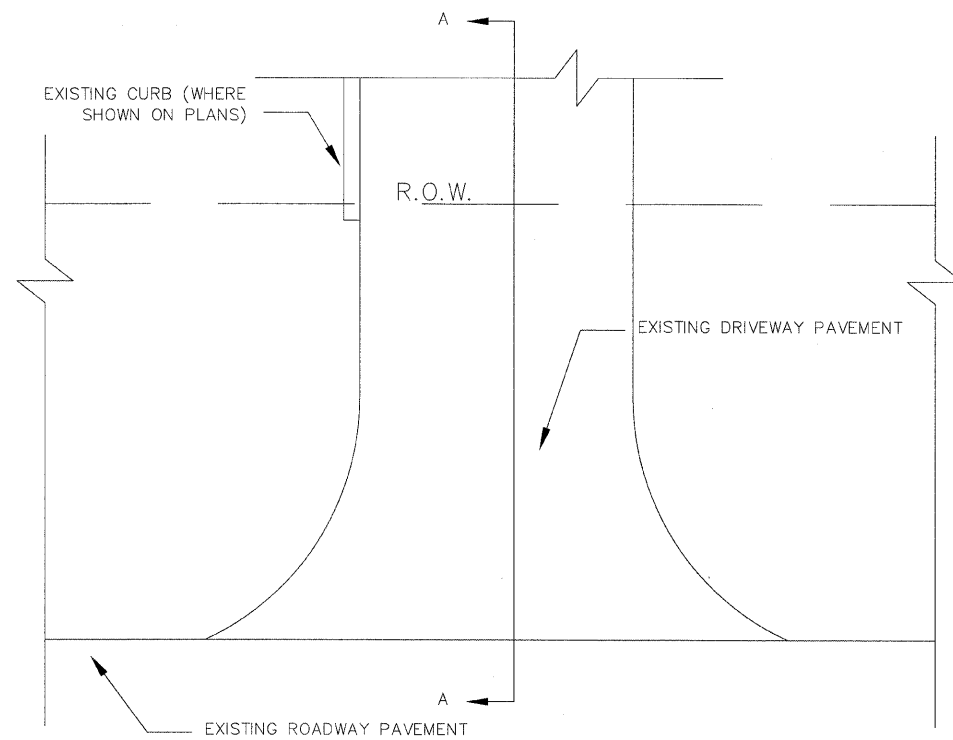
FILE 006 INC 10-810

① EXISTING ROADWAY PAVEMENT

② EXISTING HOT-MIX ASPHALT DRIVEWAY PAVEMENT



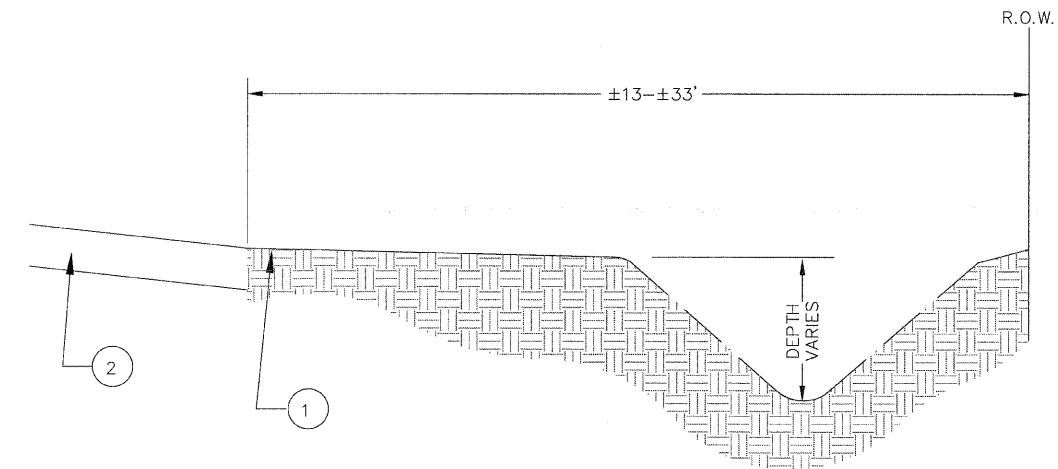
SECTION A-A  
EXISTING TYPICAL CROSS SECTION  
AT HOT-MIX ASPHALT DRIVEWAYS  
(SCHOOL STREET)



EXISTING HOT-MIX ASPHALT DRIVEWAY DETAIL

① EXISTING GROUND

② EXISTING ROADWAY PAVEMENT



EXISTING TYPICAL CROSS SECTION

STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD)  
STA. 10+19 TO STA. 18+32 (SCHOOL STREET)  
STA. 11+19 TO STA. 17+00 (WOLF ROAD)

DRAWN BY: JMH

CHECKED BY: JCH

DATE: 04/27/11

REVISED: 01.10.12

REVISED: \_\_\_\_\_

REVISED: \_\_\_\_\_

REVISED: \_\_\_\_\_

REVISED: \_\_\_\_\_

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL EXISTING SECTIONS

SCALE: H:1"=30' V:1"=3'

SHEET No. 4 OF 20 SHEETS

FAU RTE

1552 (G.C.)

SECTION

11-00032-00-SW

COUNTY

COOK

TOTAL SHEETS

20

SHEET NO.

4

CONTRACT No. 63688

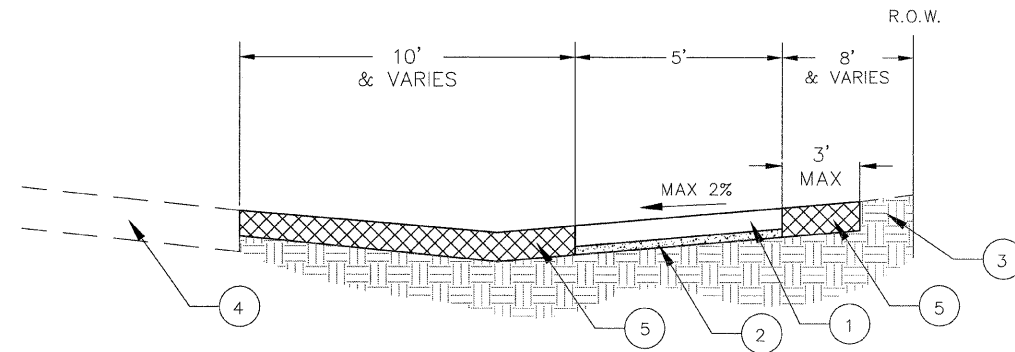
FED. ROAD DIST. NO.

ILLINOIS

FED. AID PROJECT

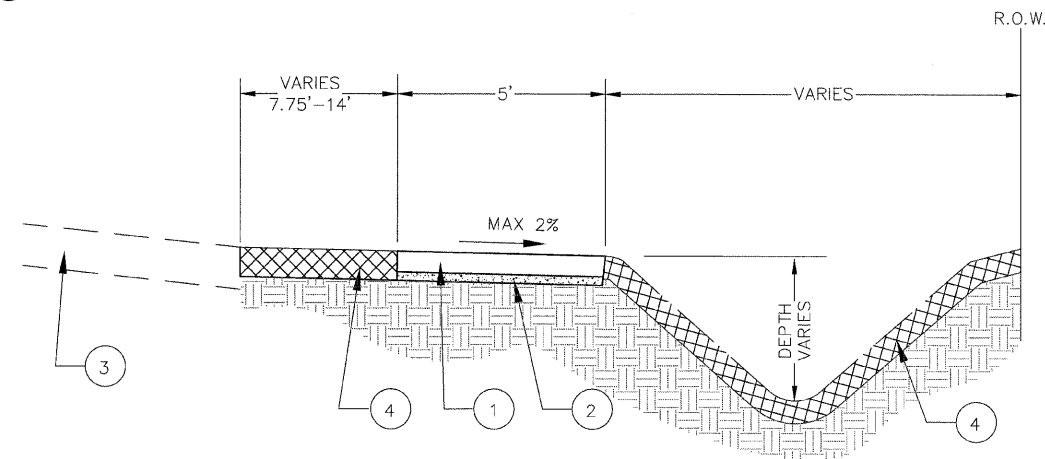
SEE JOB No. 10-810

- ① PROPOSED P.C.C. SIDEWALK, 5"
- ② PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"
- ③ EXISTING GROUND
- ④ EXISTING ROADWAY PAVEMENT
- ⑤ PROPOSED SODDING (SCHOOL STREET; SALT TOLERANT) OR SEEDING (CLASS 2A)



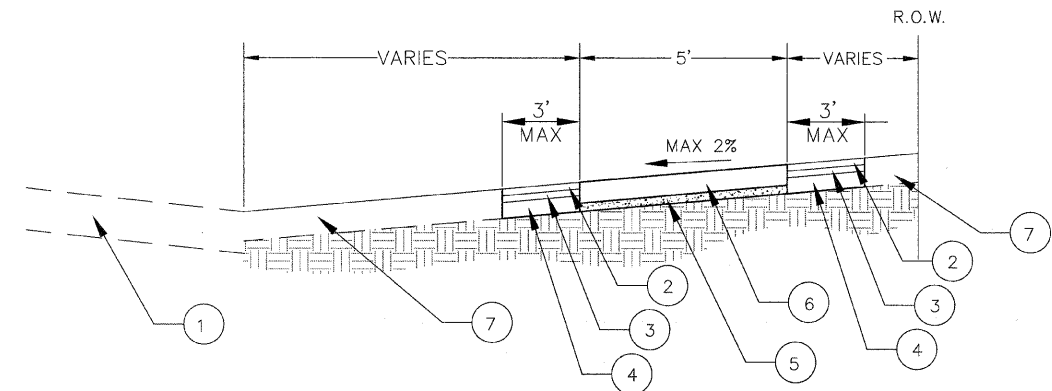
PROPOSED TYPICAL CROSS SECTION  
 GERMAN CHURCH RD STA 10+31 TO STA 11+37;  
 SCHOOL ST STA 10+50 TO STA 17+75;  
 WOLF RD STA 16+00 TO STA 17+00

- ① PROPOSED P.C.C. SIDEWALK, 5"
- ② PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"
- ③ EXISTING ROADWAY PAVEMENT
- ④ PROPOSED SODDING (SCHOOL STREET; SALT TOLERANT) OR SEEDING (CLASS 2A)



PROPOSED TYPICAL CROSS SECTION—REVERSE PITCHED SIDEWALK  
 GERMAN CHURCH RD STA 11+37 TO STA 26+06; SCHOOL ST STA 10+19 TO STA 10+50 AND STA 17+75 TO STA 18+32;  
 WOLF RD STA 11+19 TO STA 16+00

- ① EXISTING ROADWAY PAVEMENT
- ② PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50, 1 1/2" (MIN)
- ③ PROPOSED HOT-MIX ASPHALT BASE COURSE, IL19.0, N50, 2 1/4"
- ④ PROPOSED AGGREGATE BASE COURSE, TYPE B, 8"
- ⑤ PROPOSED AGGREGATE BASE COURSE, TYPE B, 4"
- ⑥ PROPOSED PCC SIDEWALK, 5"
- ⑦ EXISTING HOT-MIX ASPHALT DRIVEWAY



PROPOSED TYPICAL CROSS SECTION  
 AT HOT-MIX ASPHALT DRIVEWAYS  
 (SCHOOL STREET)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS CHART	
MIXTURE TYPE	AIR VOIDS AT Ndes
<b>DRIVEWAYS</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50 (IL 9.5mm), 1 1/2"	4% AT 50 GYR
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL 19mm) 2 1/4"	4% AT 50 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD)  
 STA. 10+19 TO STA. 18+32 (SCHOOL STREET)  
 STA. 11+19 TO STA. 17+00 (WOLF ROAD)

DRAWN BY: JMH

REVISED: \_\_\_\_\_

CHECKED BY: JCH

REVISED: \_\_\_\_\_

DATE: 04/27/11

REVISED: \_\_\_\_\_

REVISED: 01.10.12

REVISED: \_\_\_\_\_

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TYPICAL PROPOSED SECTIONS**

SCALE: N.T.S.

SHEET No. 4 OF 20 SHEETS

FAU RTE  
 1552 (G.C.)

SECTION  
 11-00032-00-SW

COUNTY  
 COOK

TOTAL SHEETS  
 20

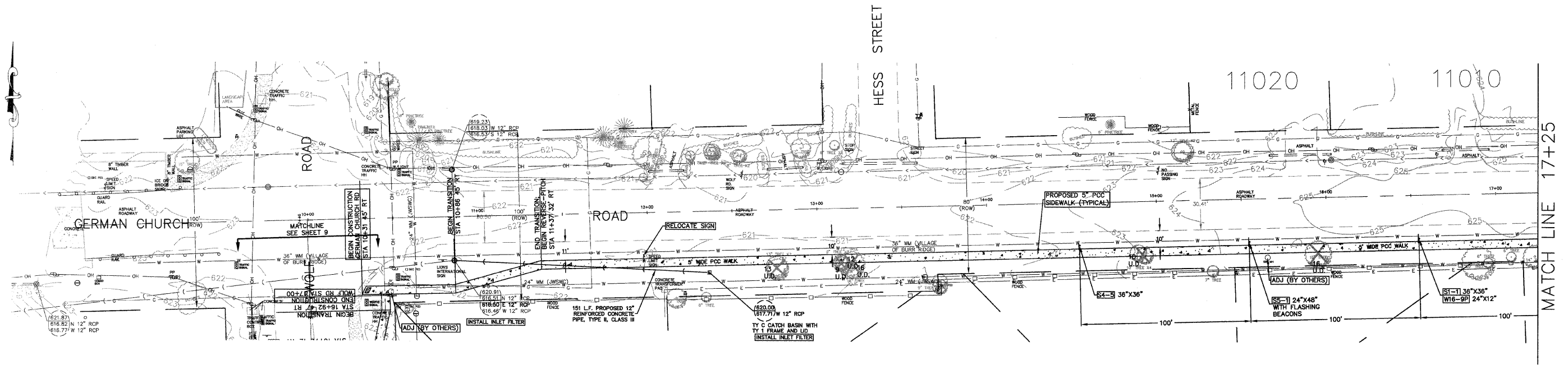
SHEET NO.  
 5

CONTRACT No. 63688

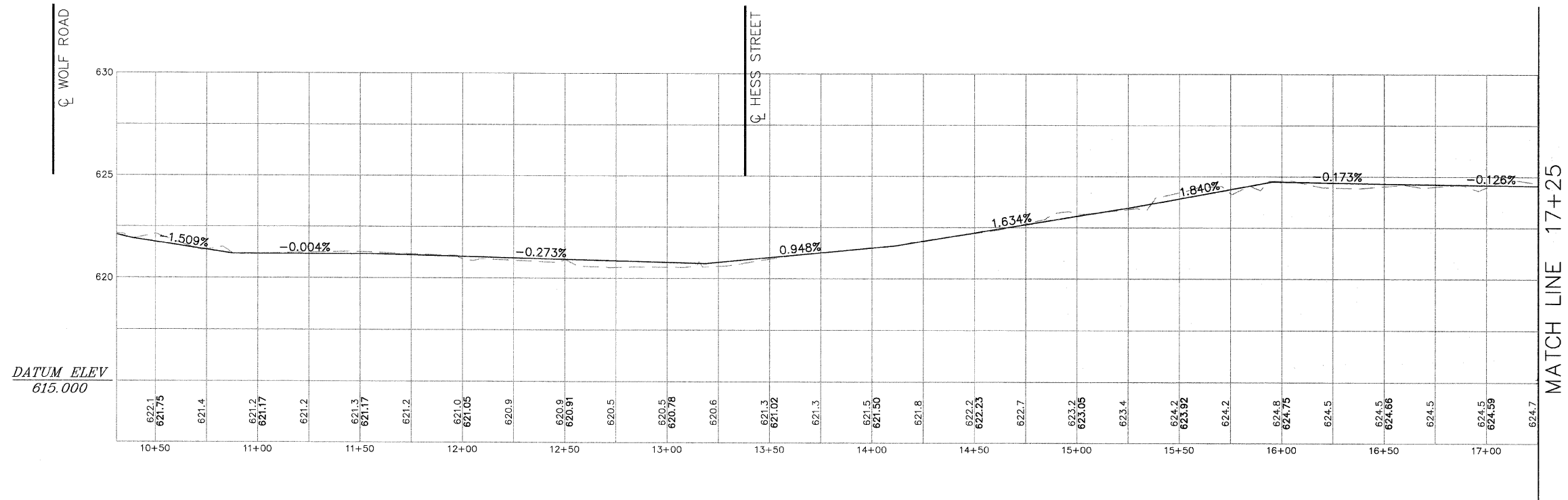
FED. ROAD DIST. NO.

ILLINOIS

FED. AID PROJECT

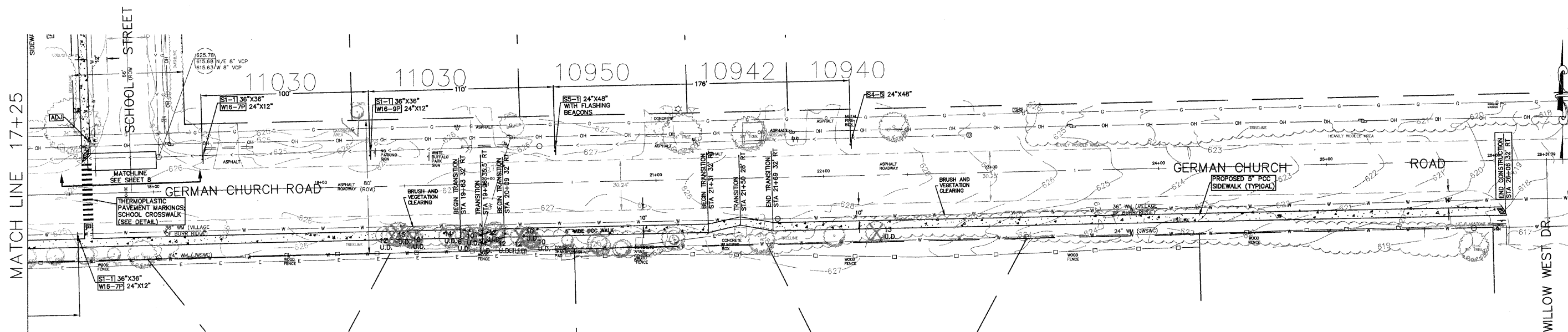


- LEGEND**
- DETECTABLE WARNING
  - PROPOSED PCC SIDEWALK
  - PROPOSED SIGN; SIGN TYPES AND DESIGNATIONS ARE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 2009 EDITION.



STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD) STA. 10+19 TO STA. 18+32 (SCHOOL STREET) STA. 11+19 TO STA. 17+00 (WOLF ROAD)	DRAWN BY: JMH CHECKED BY: JCH DATE: 04/27/11 REVISED: 01.10.12	REVISED: _____ REVISED: _____ REVISED: _____ REVISED: _____	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>GERMAN CHURCH ROAD</b> <b>PLAN SHEET</b>	FAU RTE 1552 (G.C.)	SECTION 11-00032-00-SW	COUNTY COOK	TOTAL SHEETS 20	SHEET NO. 6	
				SCALE: H:1"=30' V:1"=3'	SHEET No. 6 OF 20 SHEETS	CONTRACT No. 63688		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT

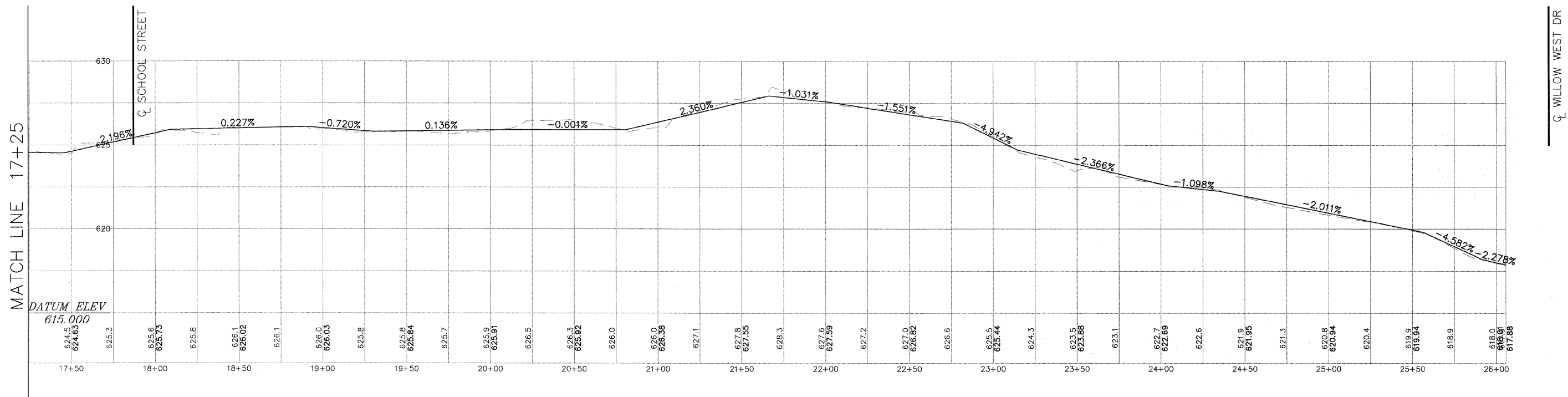
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LEGEND

- DETECTABLE WARNING
- PROPOSED PCC SIDEWALK

PROPOSED SIGN; SIGN TYPES AND DESIGNATIONS ARE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 2009 EDITION.



STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD)  
 STA. 10+19 TO STA. 18+32 (SCHOOL STREET)  
 STA. 11+19 TO STA. 17+00 (WOLF ROAD)

DRAWN BY: JMH	REVISED: _____
CHECKED BY: JCH	REVISED: _____
DATE: 04/27/11	REVISED: _____
REVISED: 01.10.12	REVISED: _____

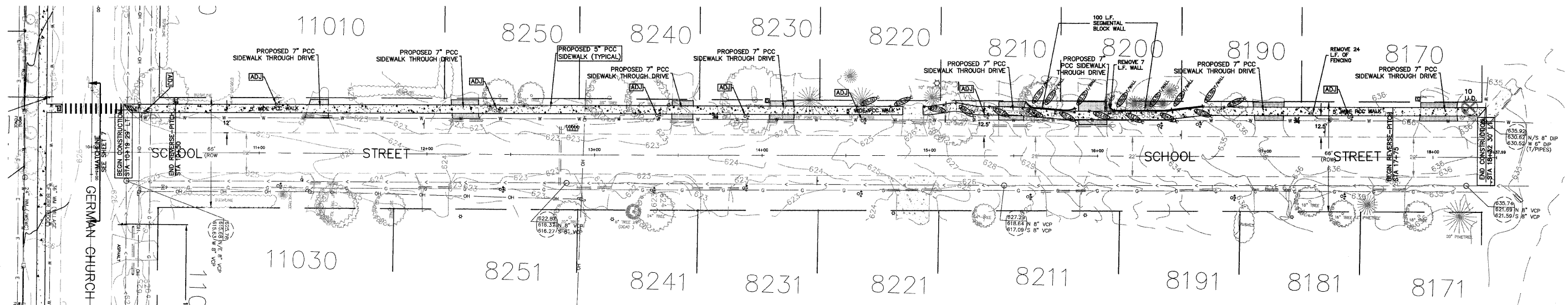
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GERMAN CHURCH ROAD  
 PLAN SHEET**

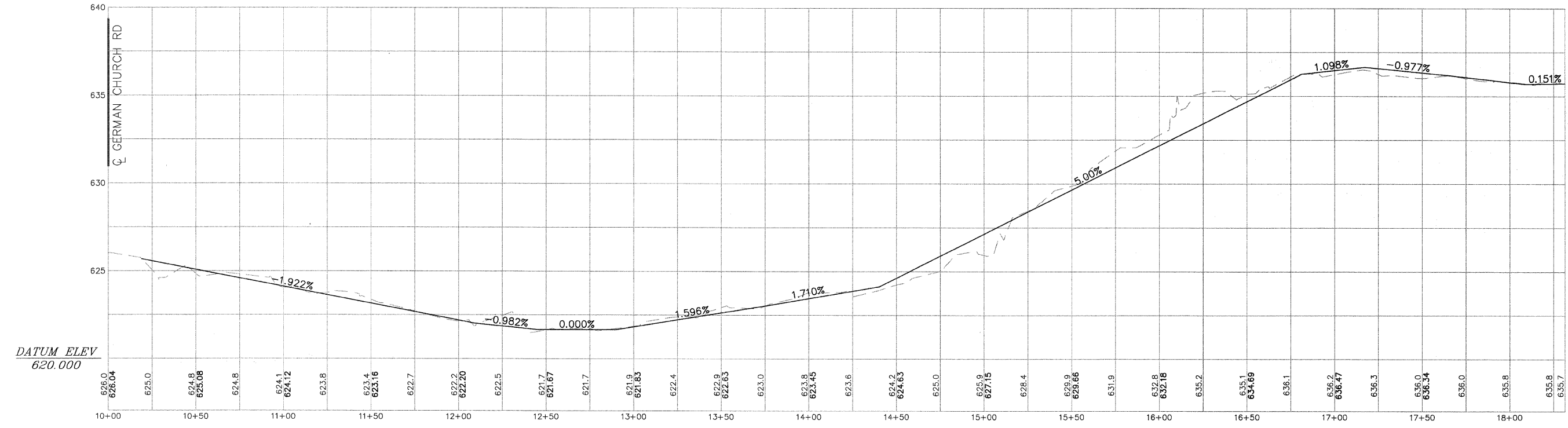
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1552 (G.C.)	11-00032-00-SW	COOK	20	7
CONTRACT No. 63688				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SCALE: H:1"=30' V:1"=3' SHEET No. 7 OF 20 SHEETS

FILE: J06 No.10-810



- LEGEND**
- DETECTABLE WARNING
  - PROPOSED PCC SIDEWALK
  - PROPOSED BITUMINOUS DRIVEWAY

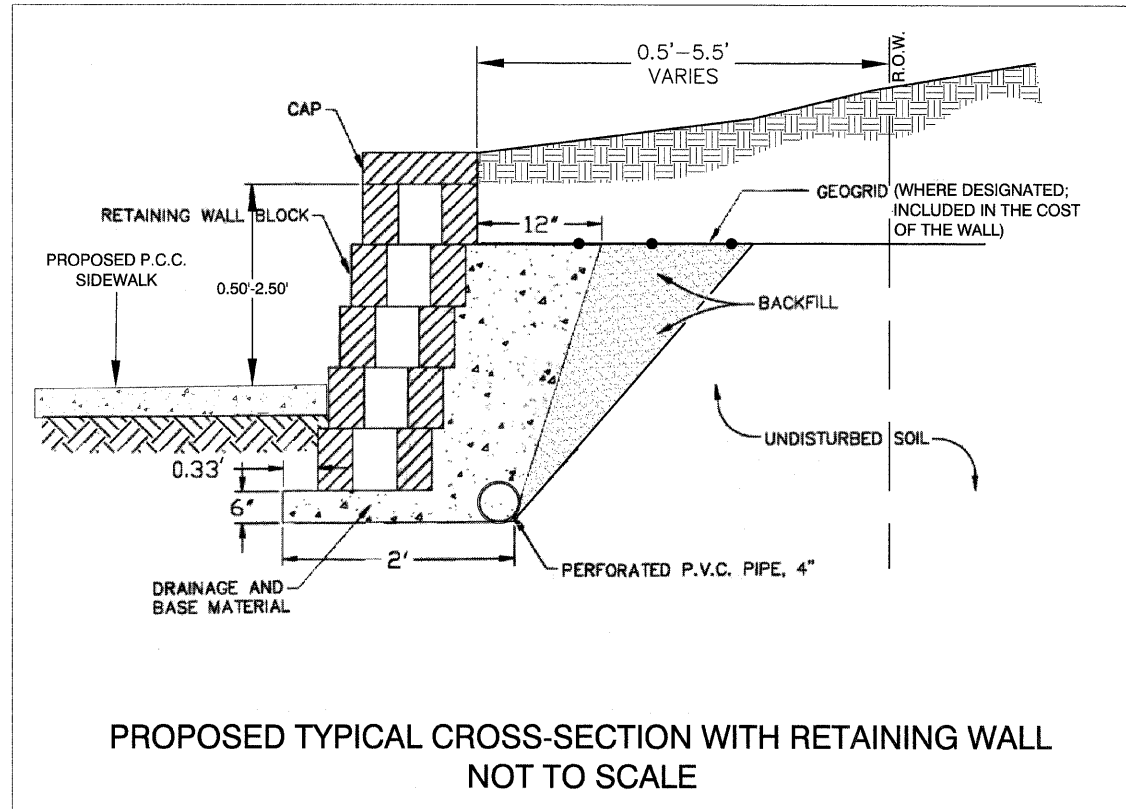


STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD) STA. 10+19 TO STA. 18+32 (SCHOOL STREET) STA. 11+19 TO STA. 17+00 (WOLF ROAD)	DRAWN BY: JMH CHECKED BY: JCH DATE: 04/27/11 REVISED: 01.10.12	REVISED: _____ REVISED: _____ REVISED: _____ REVISED: _____	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SCHOOL STREET</b> <b>PLAN SHEET</b>	FAU RTE 1552 (G.C.)	SECTION 11-00032-00-SW	COUNTY COOK	TOTAL SHEETS 20	SHEET NO. 8	
					SCALE: H:1"=30' V:1"=3'		SHEET No. 8 OF 20 SHEETS		CONTRACT No. 63688	
					FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

PROJECT: 11-00032-00-SW (SCHOOL STREET) SHEET NO. 8 OF 20 SHEETS







STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD)  
 STA. 10+19 TO STA. 18+32 (SCHOOL STREET)  
 STA. 11+19 TO STA. 17+00 (WOLF ROAD)

DRAWN BY: JMH

REVISED: \_\_\_\_\_

CHECKED BY: JCH

REVISED: \_\_\_\_\_

DATE: 04/27/11

REVISED: \_\_\_\_\_

REVISED: 01.10.12

REVISED: \_\_\_\_\_

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**RETAINING WALL DETAIL**

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1552 (G.C.)	11-00032-00-SW	COOK	20	10

CONTRACT No. 63688

SCALE: N.T.S.

SHEET No. 10 OF 20 SHEETS

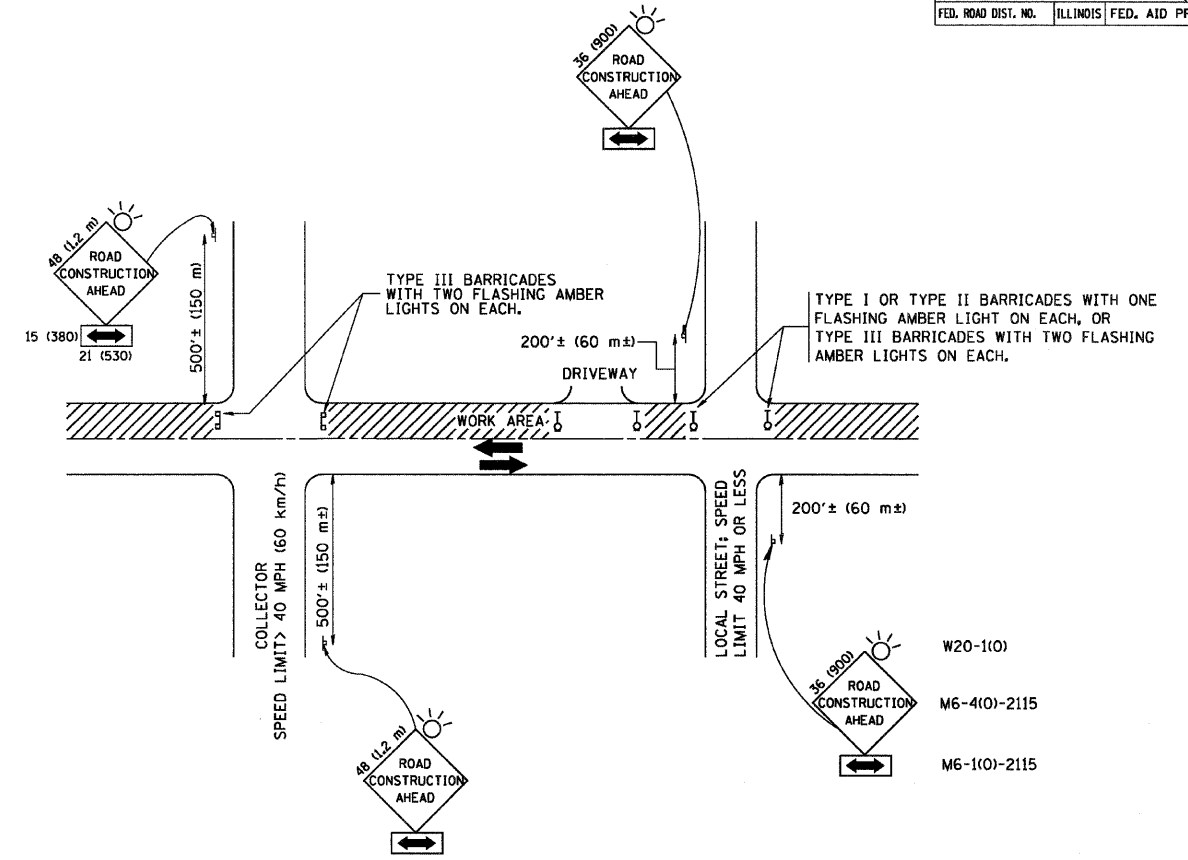
FED. ROAD DIST. NO.

ILLINOIS

FED. AID PROJECT

FILE NO. 10-810

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1552 (G.C.)	11-00032-00-SW	COOK	20	11
STA. 10+19	TO STA. 28+08 (SCH. CH. RD.)			
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches) unless otherwise shown.

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE

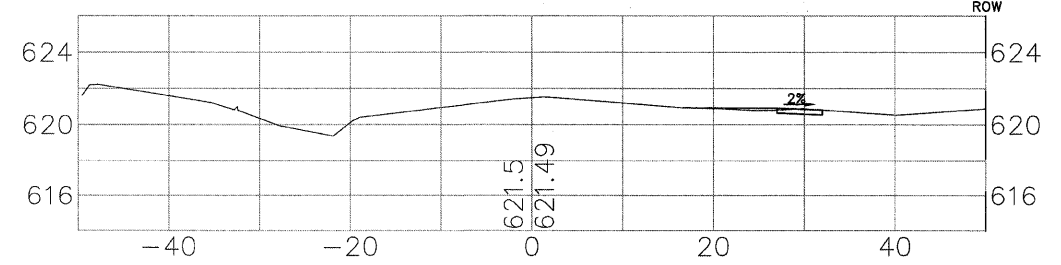
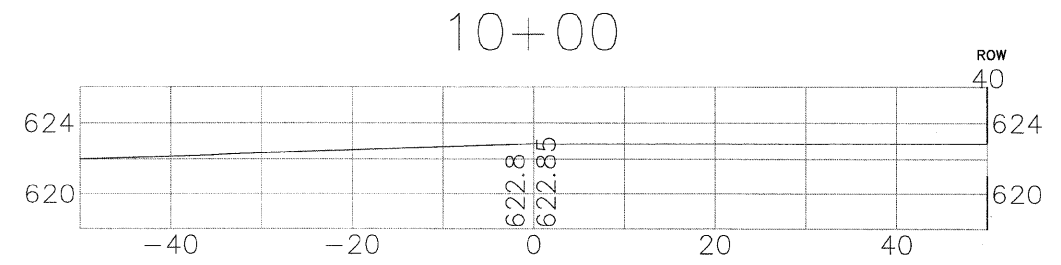
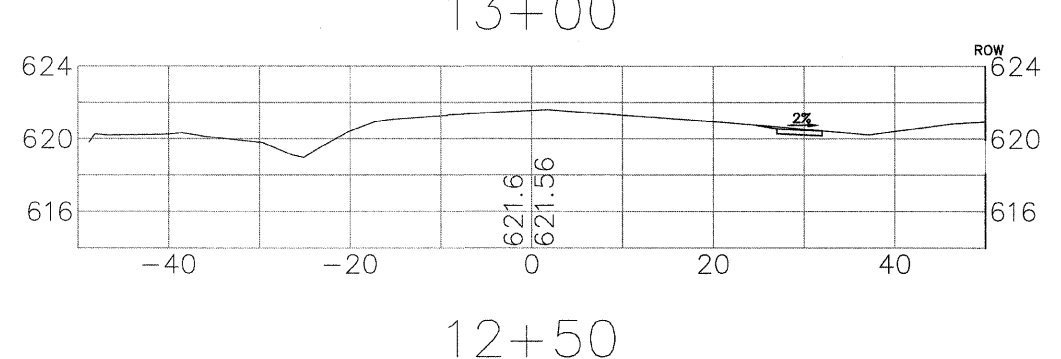
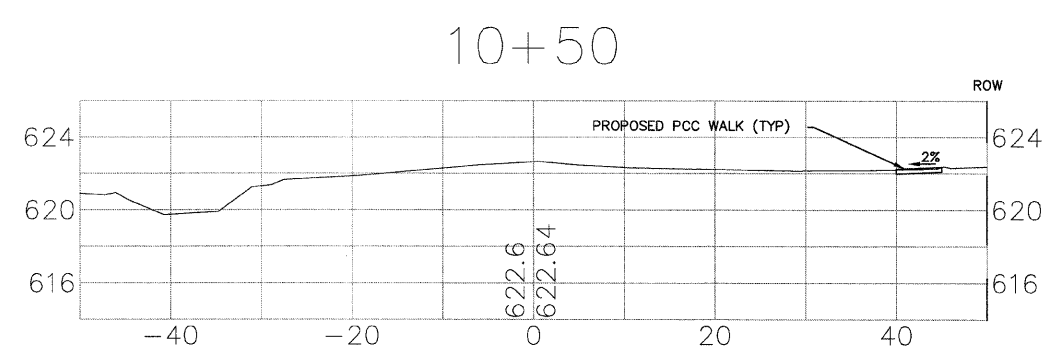
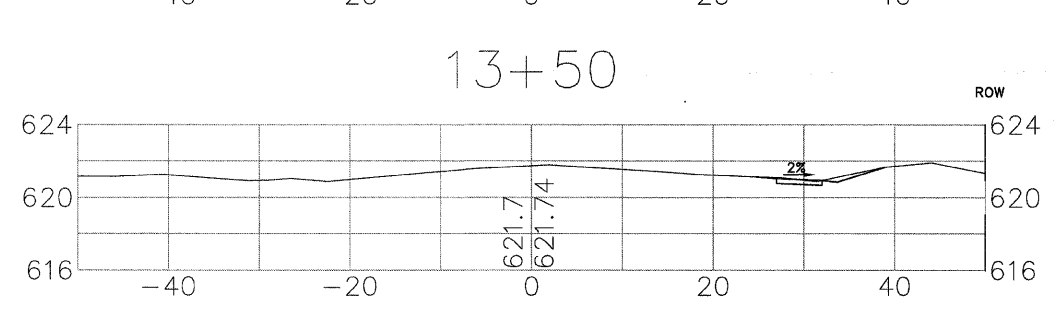
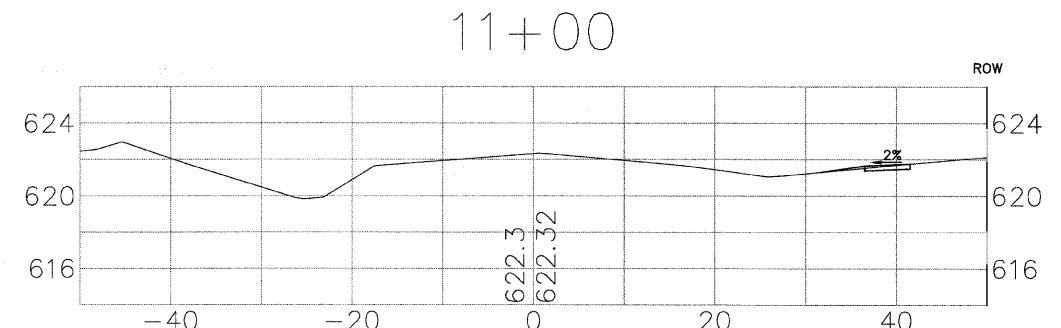
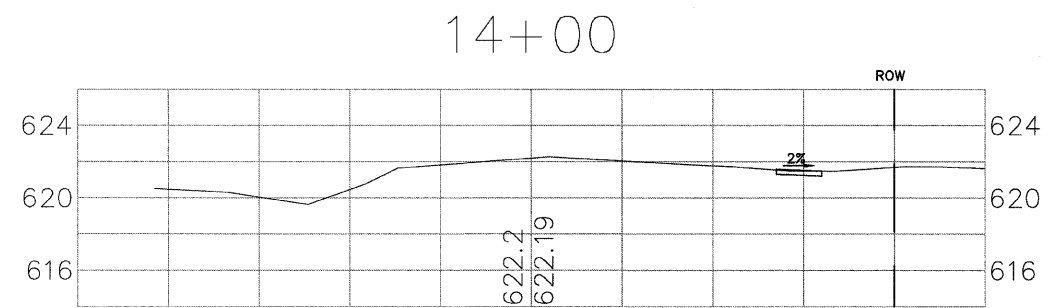
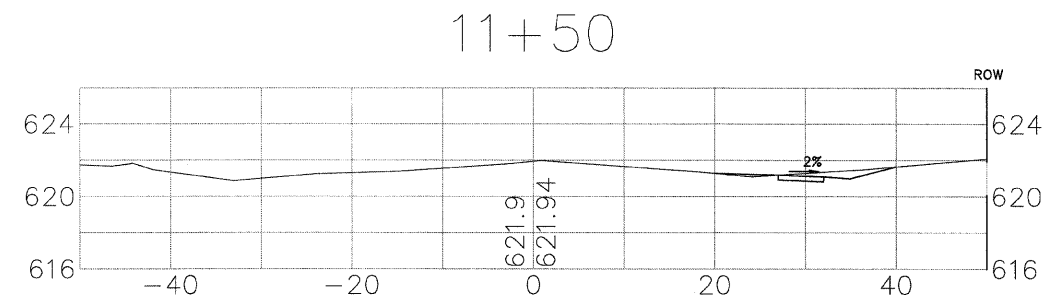
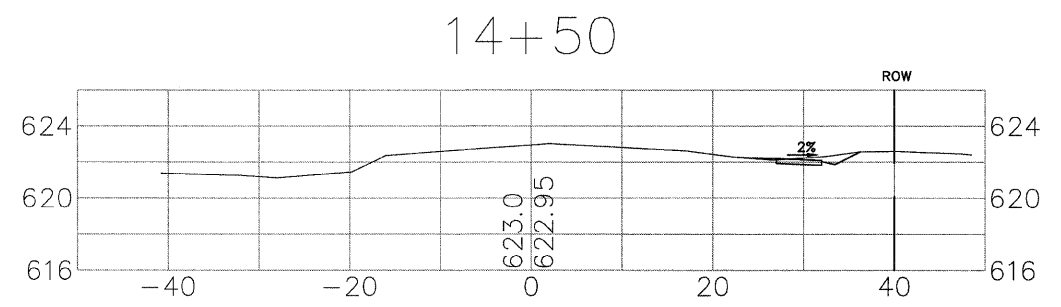
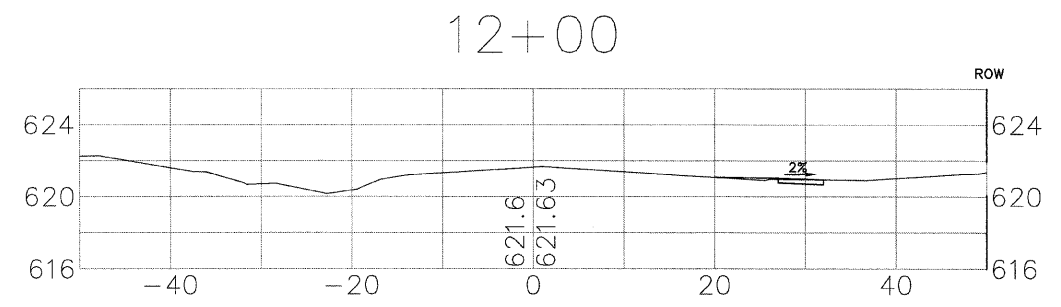
DRAWN BY  
 CHECKED BY  
 TC-10

**hbe** **Hoeffler-Butler Engineering, Inc.**  
 Consulting Civil Engineers • Land Surveyors  
 PROFESSIONAL OFFICE: 1000 N. WILSON AVENUE, SUITE 100, DEERFIELD, IL 60015  
 874 S. ROSELTY ROAD, HOUSTON, TEXAS 77057, N4007  
 (630) 399-8900 FAX (630) 399-8906  
 (630) 399-8906 FAX (630) 399-8906

PLOT DATE: 3/6/2007  
 PLOT SCALE: 1/8" = 1'-0"  
 USER NAME: bbaerdi



NOTE: PROPOSED SIDEWALK WILL MATCH EXISTING ELEVATIONS OF GROUND; TYPICAL CUT AT EACH CROSS-SECTION = 3.75 SQUARE FEET; TYPICAL FILL AT EACH CROSS-SECTION IS MINIMAL.



STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD)  
 STA. 10+19 TO STA. 18+32 (SCHOOL STREET)  
 STA. 11+19 TO STA. 17+00 (WOLF ROAD)

DRAWN BY: JMH  
 CHECKED BY: JCH  
 DATE: 04/27/11  
 REVISED: 01.10.12

REVISED: \_\_\_\_\_  
 REVISED: \_\_\_\_\_  
 REVISED: \_\_\_\_\_  
 REVISED: \_\_\_\_\_

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GERMAN CHURCH ROAD  
 CROSS-SECTIONS

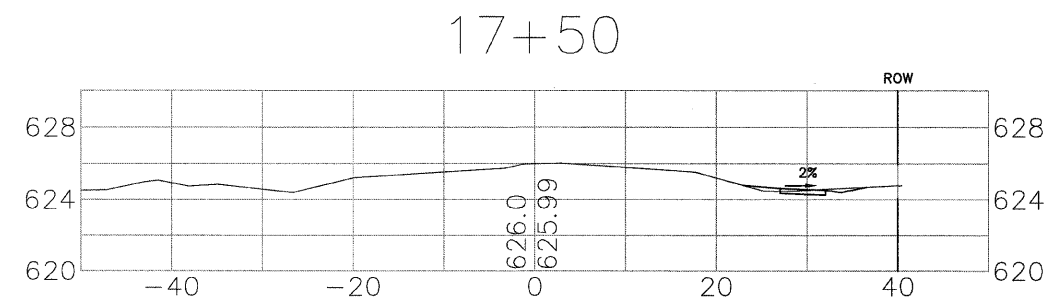
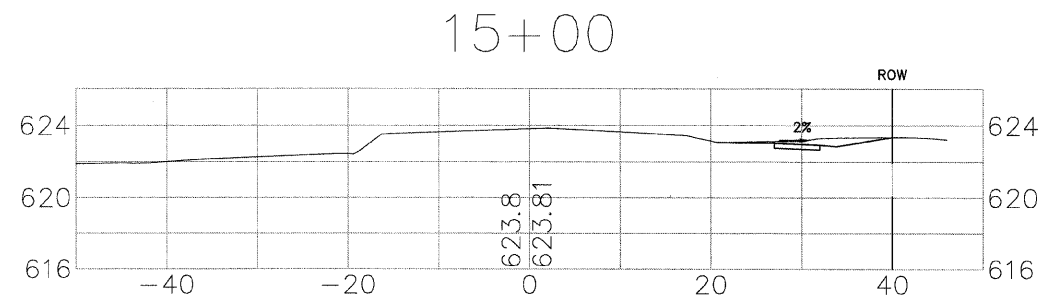
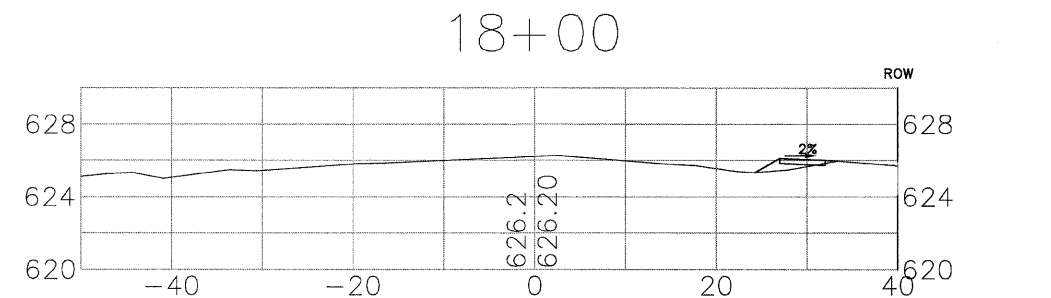
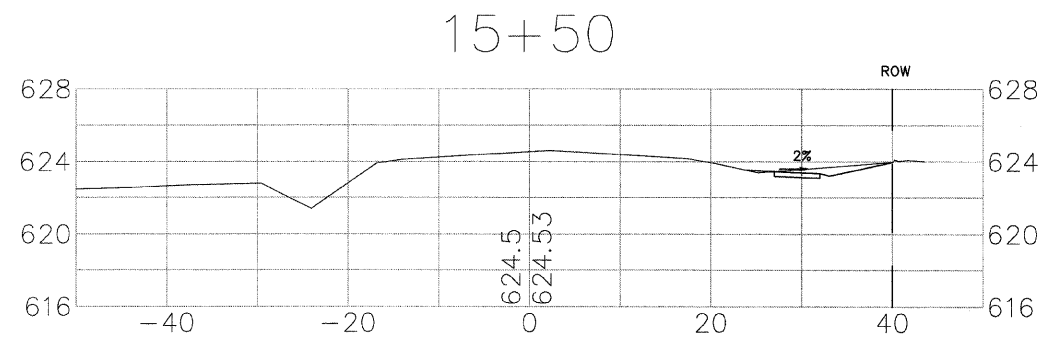
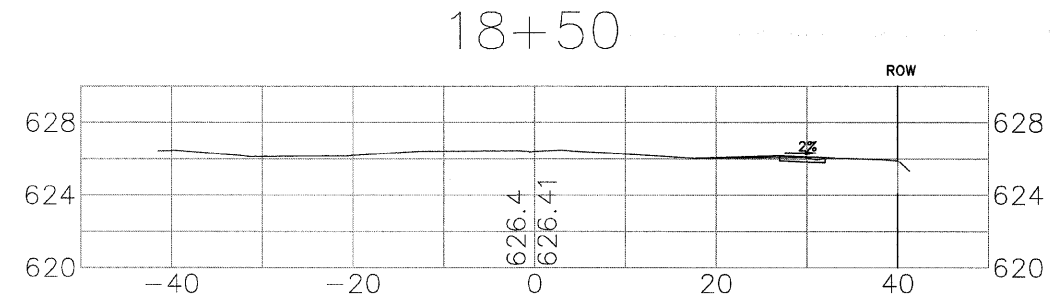
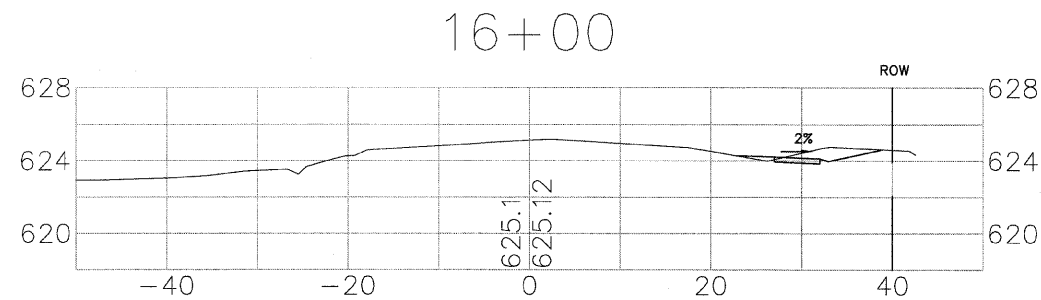
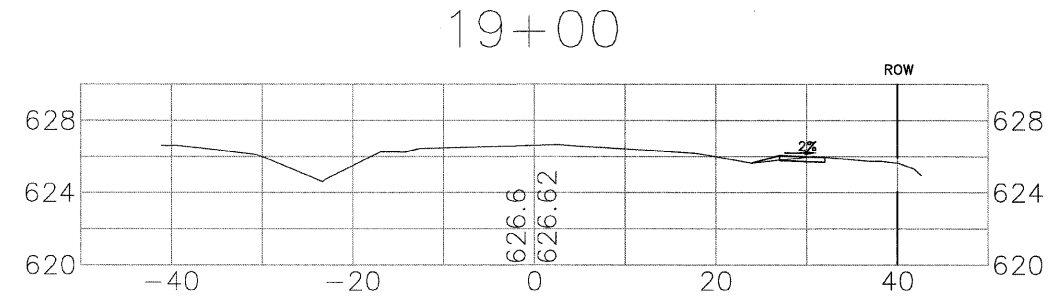
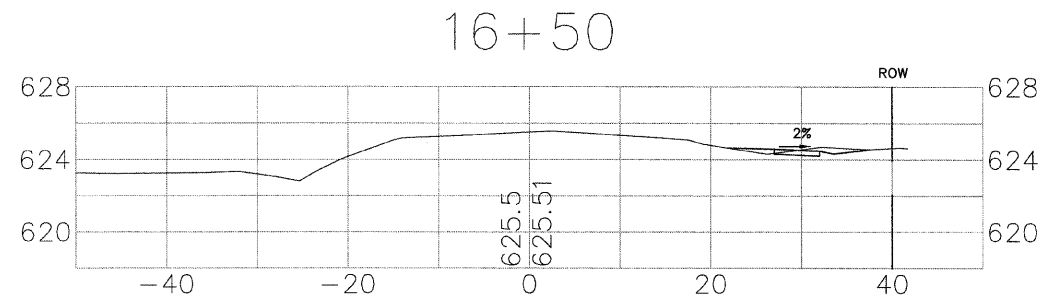
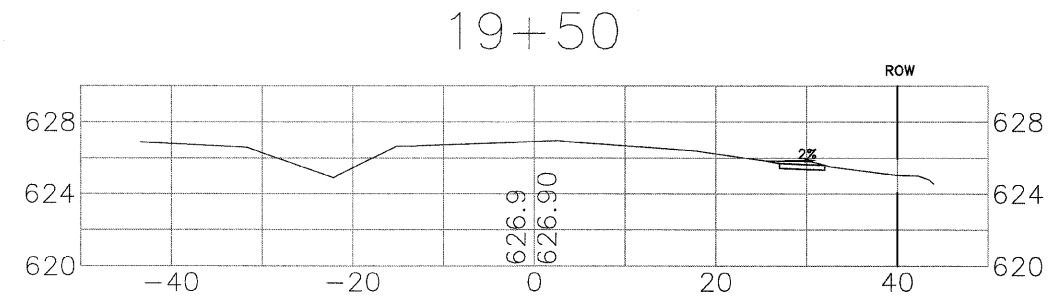
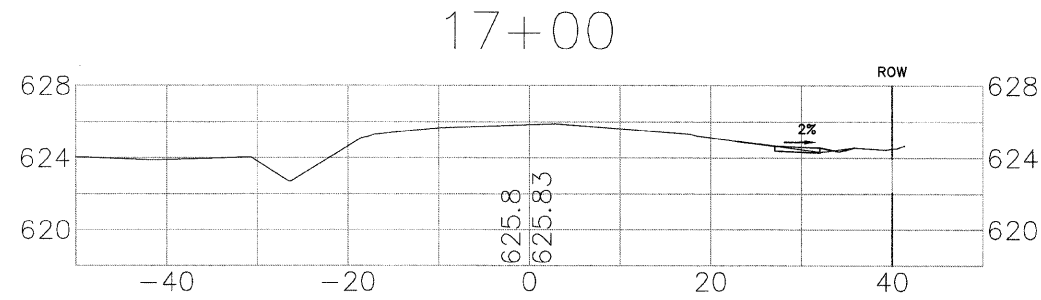
SCALE: H:1"=10' V:1"=5' SHEET No. 13 OF 20 SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1552 (G.C.)	11-00032-00-SW	COOK	20	13
CONTRACT No. 63688				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

P:\Projects\111818\111818.dwg, 11/18/11, 11:11:11 AM, JMH

SEE SHEET No. 10-13

NOTE: PROPOSED SIDEWALK WILL MATCH EXISTING ELEVATIONS OF GROUND; TYPICAL CUT AT EACH CROSS-SECTION = 3.75 SQUARE FEET; TYPICAL FILL AT EACH CROSS-SECTION IS MINIMAL.



STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD)  
 STA. 10+19 TO STA. 18+32 (SCHOOL STREET)  
 STA. 11+19 TO STA. 17+00 (WOLF ROAD)

DRAWN BY: JMH

REVISED: \_\_\_\_\_

CHECKED BY: JCH

REVISED: \_\_\_\_\_

DATE: 04/27/11

REVISED: \_\_\_\_\_

REVISED: 01.10.12

REVISED: \_\_\_\_\_

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GERMAN CHURCH ROAD  
 CROSS-SECTIONS

FAU  
 RTE

SECTION

COUNTY

TOTAL  
 SHEETS

SHEET  
 NO.

1552 (G.C.)

11-00032-00-SW

COOK

20

14

CONTRACT No. 63688

SCALE: H:1"=10' V:1"=5'

SHEET No. 14 OF 20 SHEETS

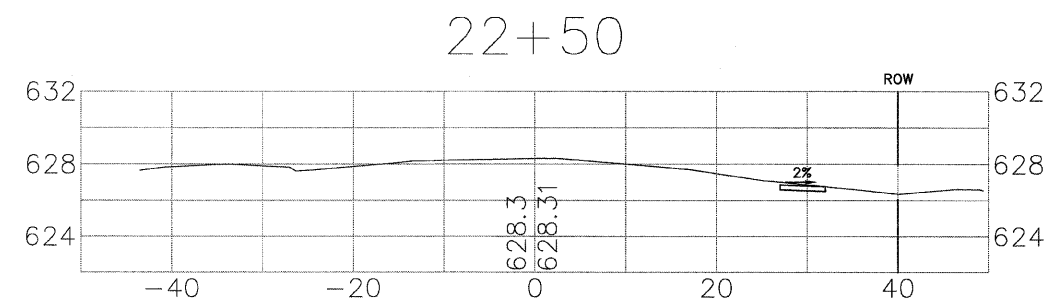
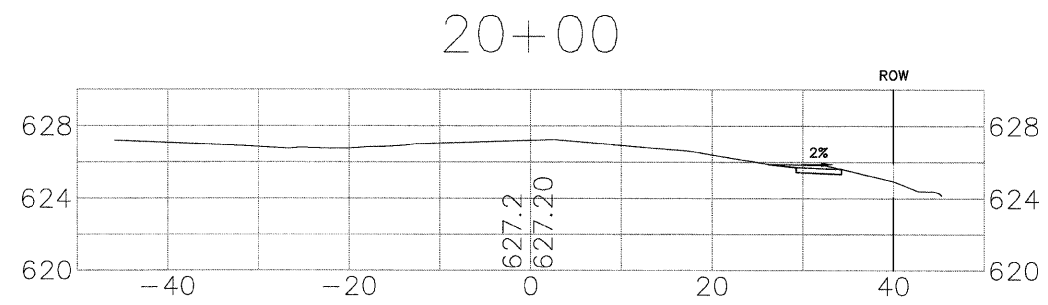
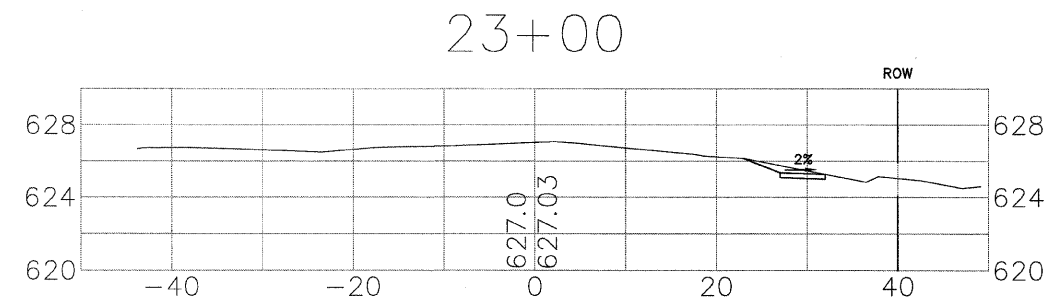
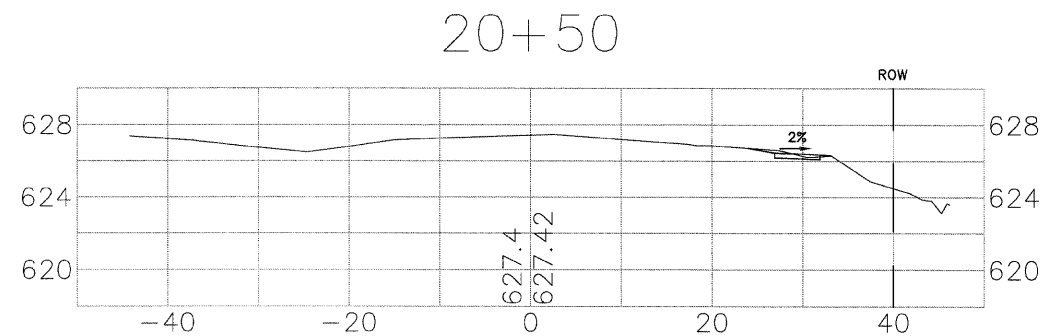
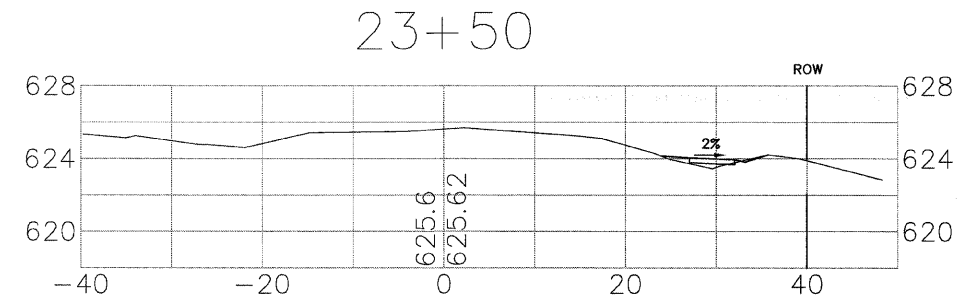
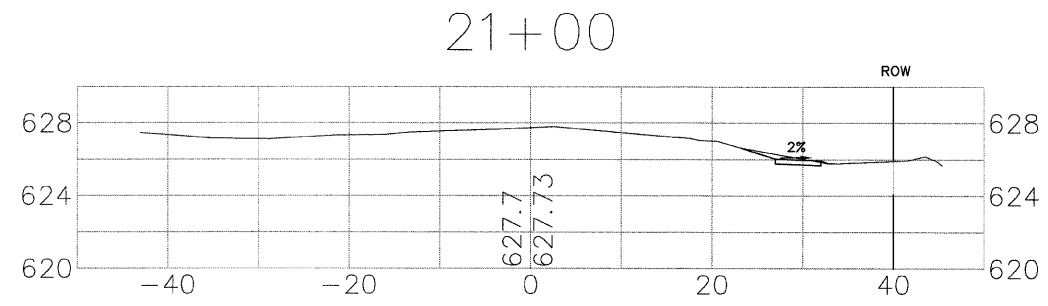
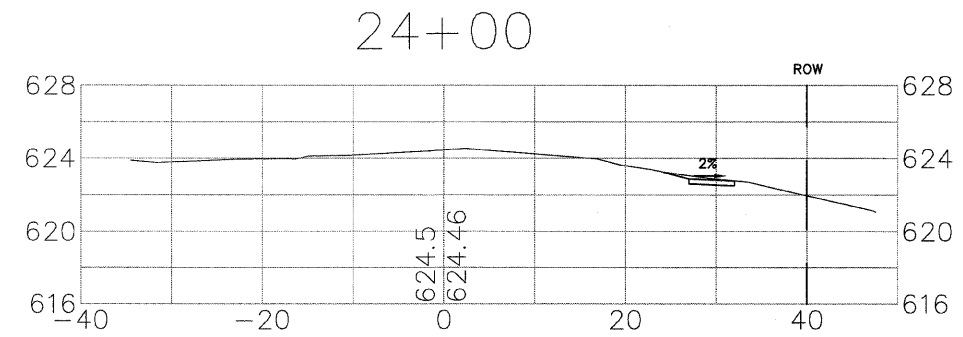
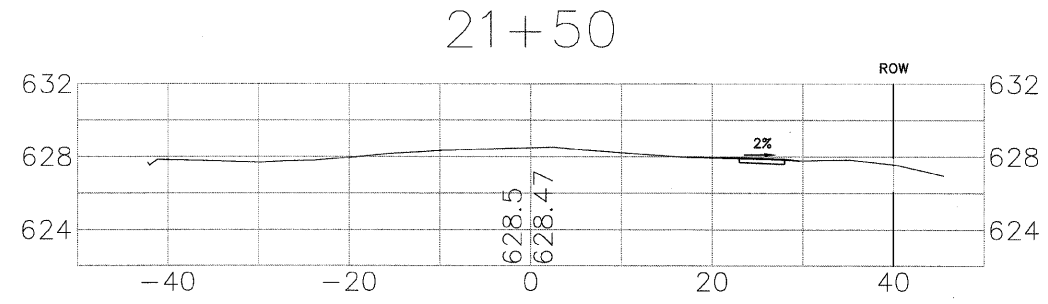
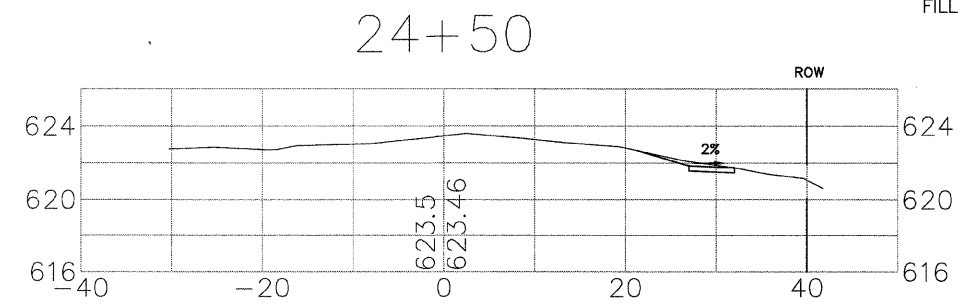
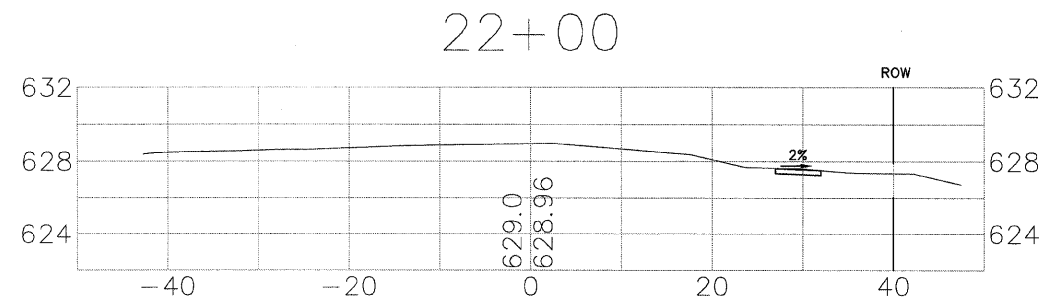
FED. ROAD DIST. NO.

ILLINOIS

FED. AID PROJECT

FILE JOB No. 10-810

NOTE: PROPOSED SIDEWALK WILL MATCH EXISTING ELEVATIONS OF GROUND; TYPICAL CUT AT EACH CROSS-SECTION = 3.75 SQUARE FEET; TYPICAL FILL AT EACH CROSS-SECTION IS MINIMAL.



STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD)  
STA. 10+19 TO STA. 18+32 (SCHOOL STREET)  
STA. 11+19 TO STA. 17+00 (WOLF ROAD)

DRAWN BY: JMH

REVISED: \_\_\_\_\_

CHECKED BY: JCH

REVISED: \_\_\_\_\_

DATE: 04/27/11

REVISED: \_\_\_\_\_

REVISED: 01.10.12

REVISED: \_\_\_\_\_

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GERMAN CHURCH ROAD  
CROSS-SECTIONS

FAU  
RTE  
1552 (G.C.)

SECTION

COUNTY

TOTAL  
SHEETS

SHEET  
NO.

11-00032-00-SW

COOK

20

15

CONTRACT No. 63688

SCALE: H:1"=10' V:1"=5'

SHEET No. 15 OF 20 SHEETS

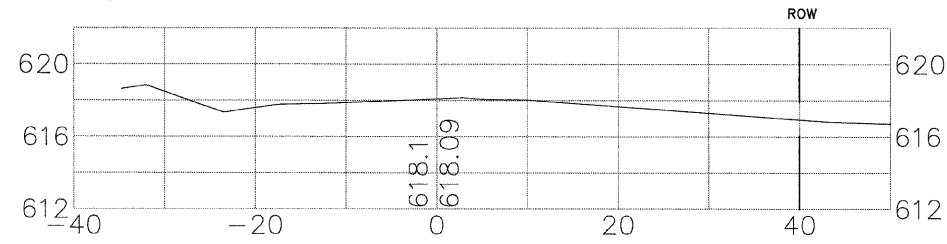
FED. ROAD DIST. NO.

ILLINOIS

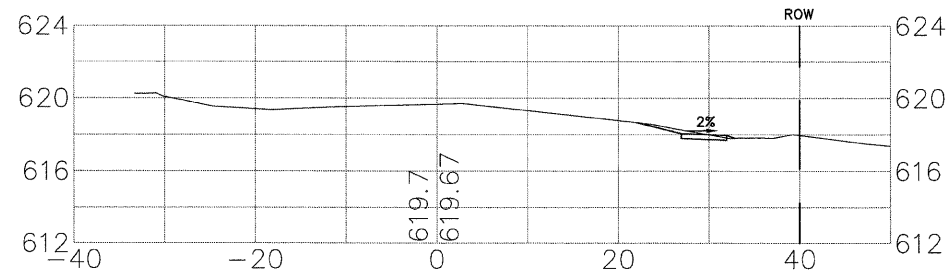
FED. AID PROJECT

NOTE: PROPOSED SIDEWALK WILL MATCH EXISTING ELEVATIONS OF GROUND; TYPICAL CUT AT EACH CROSS-SECTION = 3.75 SQUARE FEET; TYPICAL FILL AT EACH CROSS-SECTION IS MINIMAL.

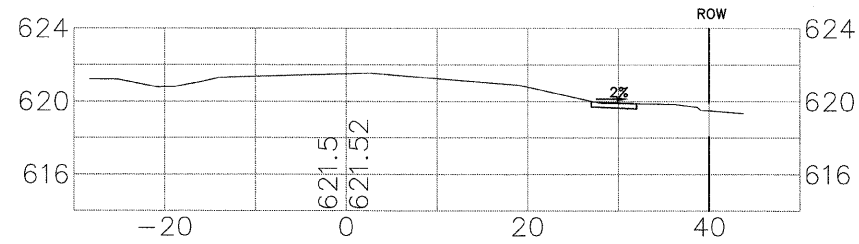
26+31.39



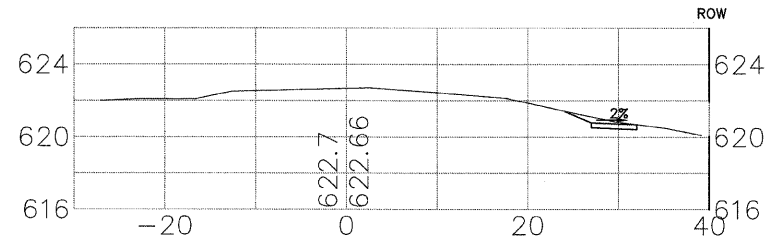
26+00



25+50



25+00



STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD)  
 STA. 10+19 TO STA. 18+32 (SCHOOL STREET)  
 STA. 11+19 TO STA. 17+00 (WOLF ROAD)

DRAWN BY: JMH

REVISED: \_\_\_\_\_

CHECKED BY: JCH

REVISED: \_\_\_\_\_

DATE: 04/27/11

REVISED: \_\_\_\_\_

REVISED: 01.10.12

REVISED: \_\_\_\_\_

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GERMAN CHURCH ROAD**  
**CROSS-SECTIONS**

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1552 (G.C.)	11-00032-00-SW	COOK	20	16

CONTRACT No. 63688

SCALE: H:1"=10' V:1"=5'

SHEET No. 16 OF 20 SHEETS

FED. ROAD DIST. NO.

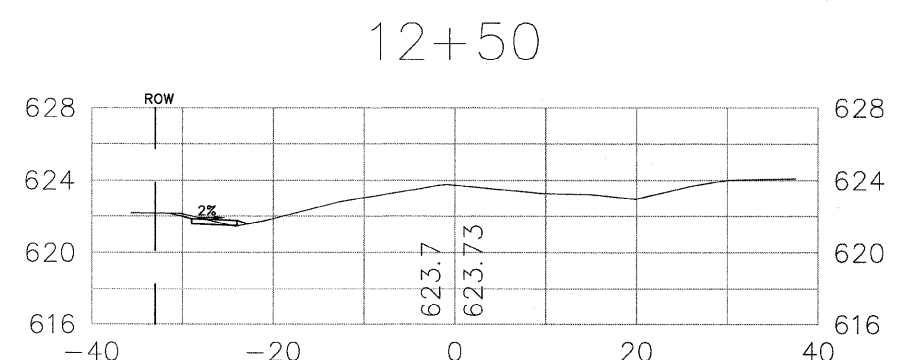
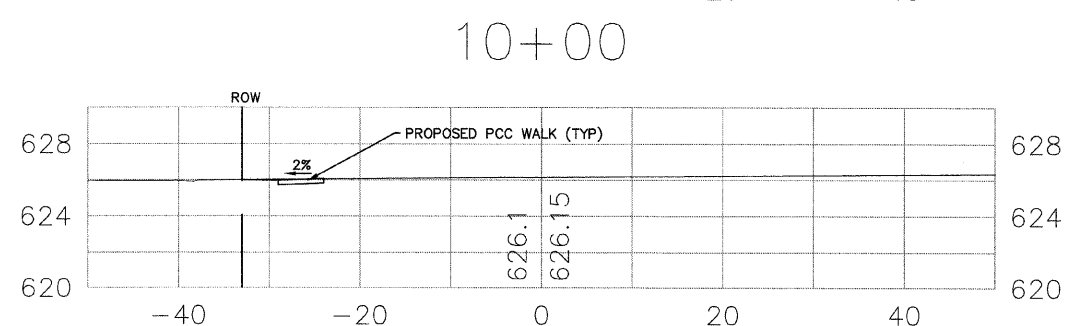
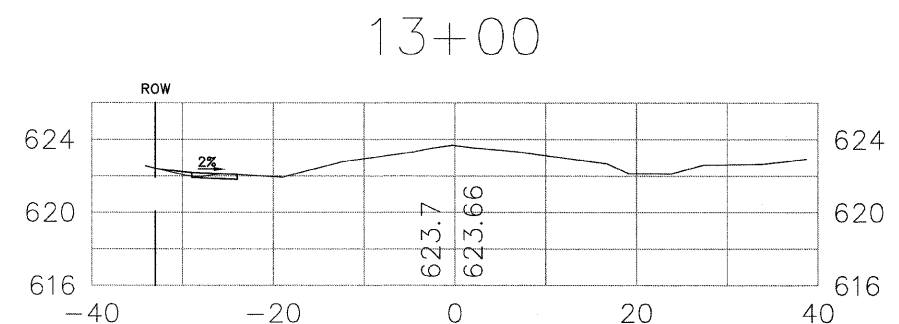
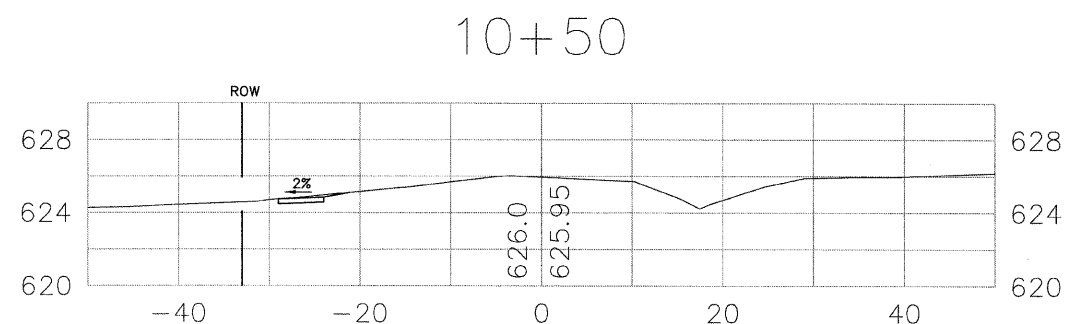
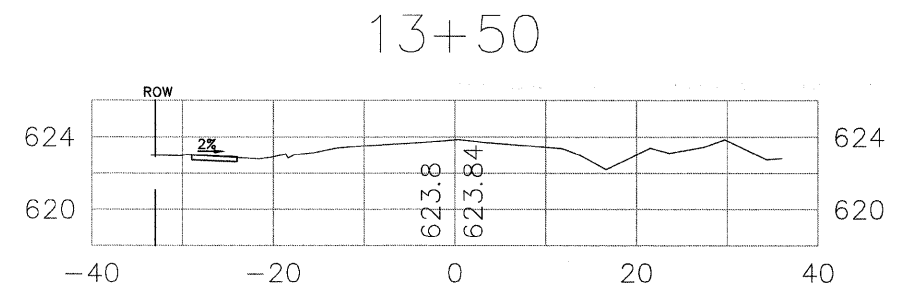
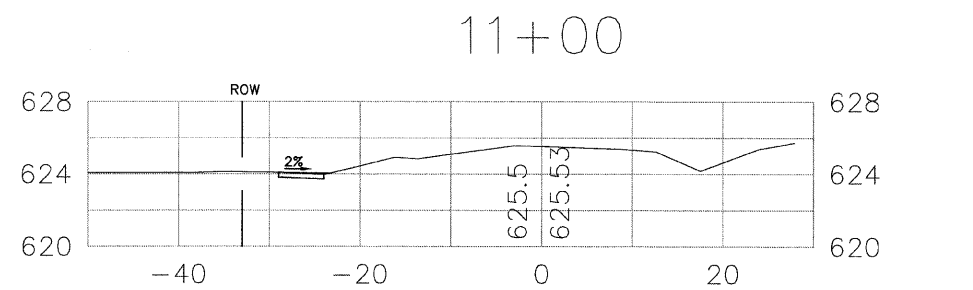
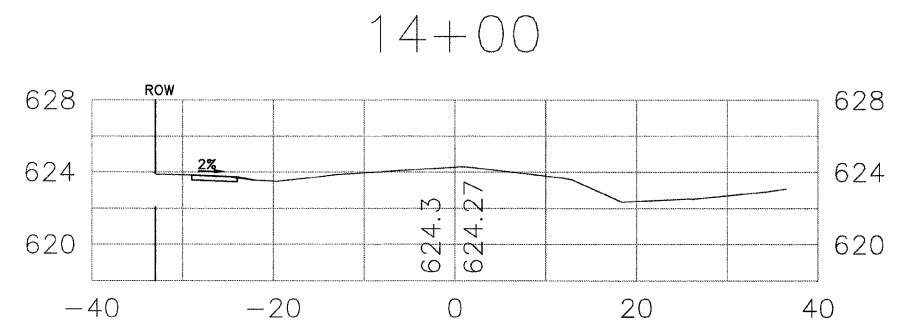
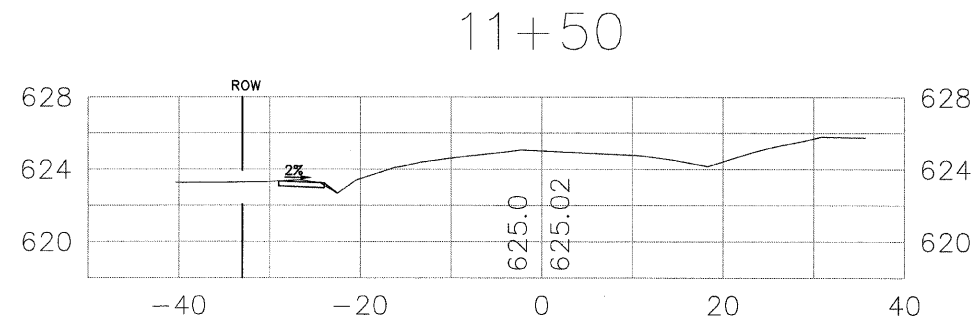
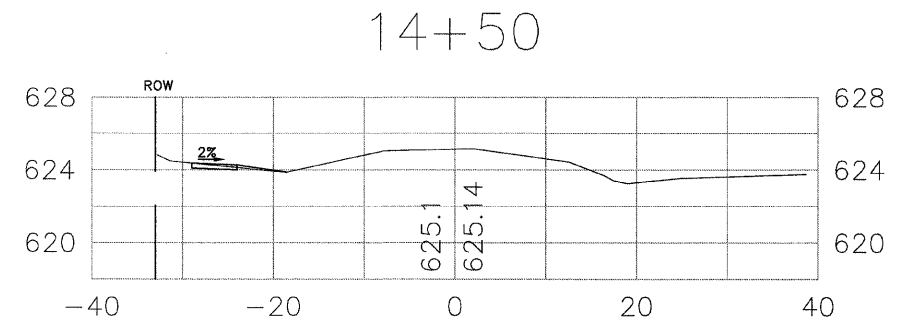
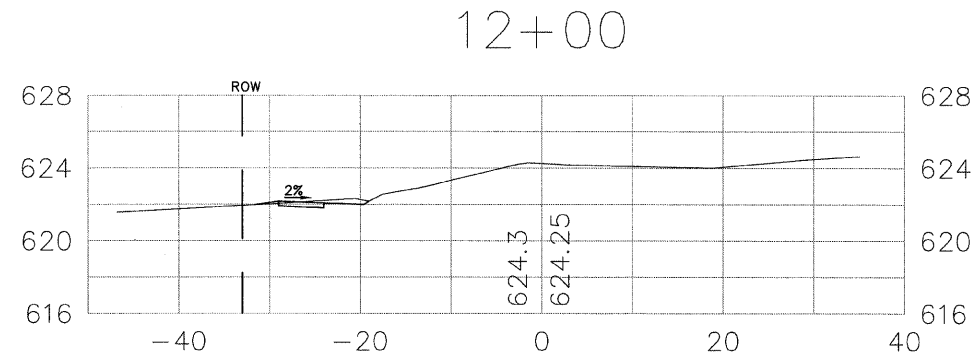
ILLINOIS

FED. AID PROJECT

FILE: 608 Dec-10-09



NOTE: PROPOSED SIDEWALK WILL MATCH EXISTING ELEVATIONS OF GROUND; TYPICAL CUT AT EACH CROSS-SECTION = 3.75 SQUARE FEET; TYPICAL FILL AT EACH CROSS-SECTION IS MINIMAL.



STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD)  
 STA. 10+19 TO STA. 18+32 (SCHOOL STREET)  
 STA. 11+19 TO STA. 17+00 (WOLF ROAD)

DRAWN BY: JMH

CHECKED BY: JCH

DATE: 04/27/11

REVISED: 01.10.12

REVISED: \_\_\_\_\_

REVISED: \_\_\_\_\_

REVISED: \_\_\_\_\_

REVISED: \_\_\_\_\_

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SCHOOL STREET  
 CROSS-SECTIONS**

SCALE: H:1"=10' V:1"=5'

SHEET No. 17 OF 20 SHEETS

FAU  
 RTE  
 1552 (G.C.)

SECTION  
 11-00032-00-SW

COUNTY  
 COOK

TOTAL  
 SHEETS  
 20

SHEET  
 NO.  
 17

CONTRACT No. 63688

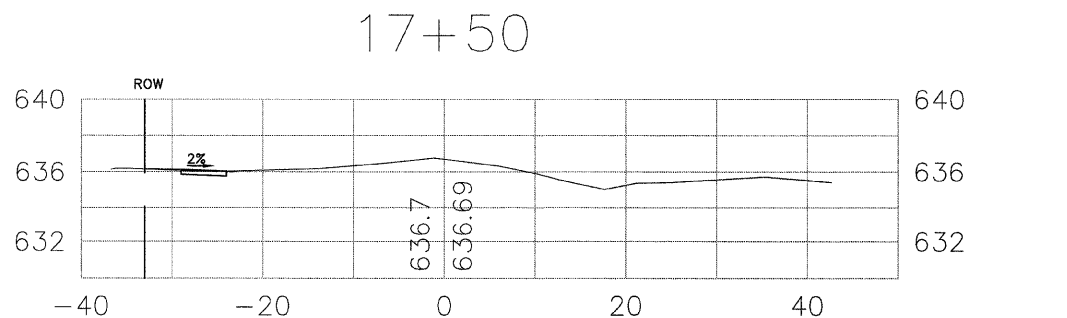
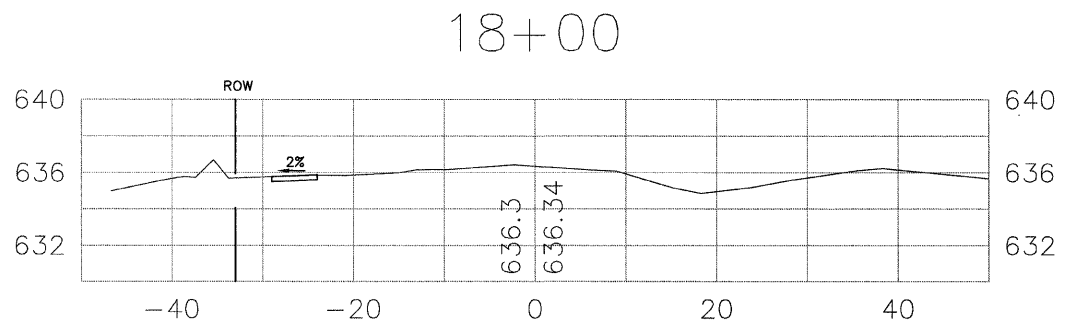
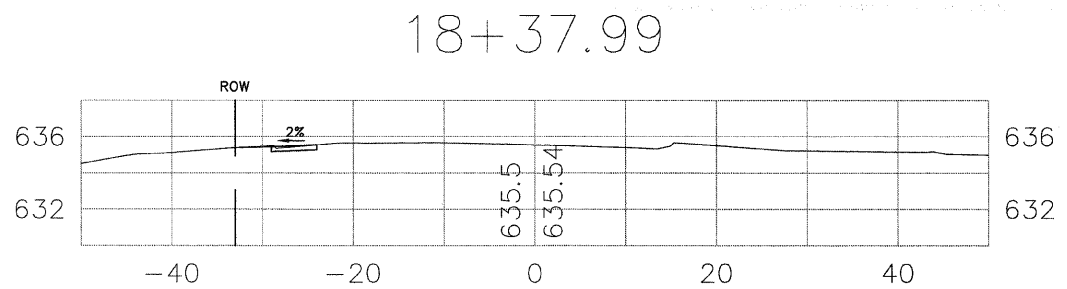
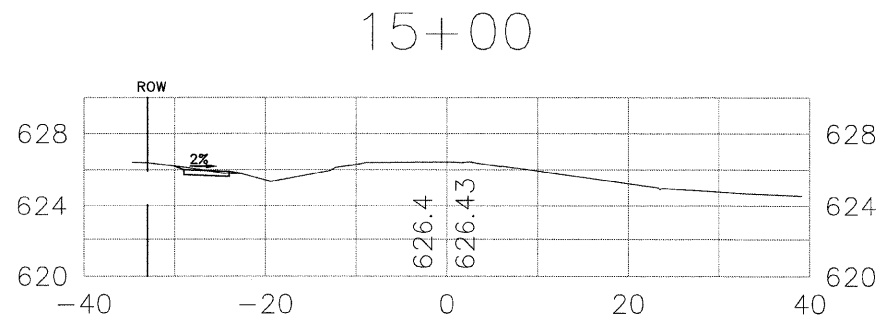
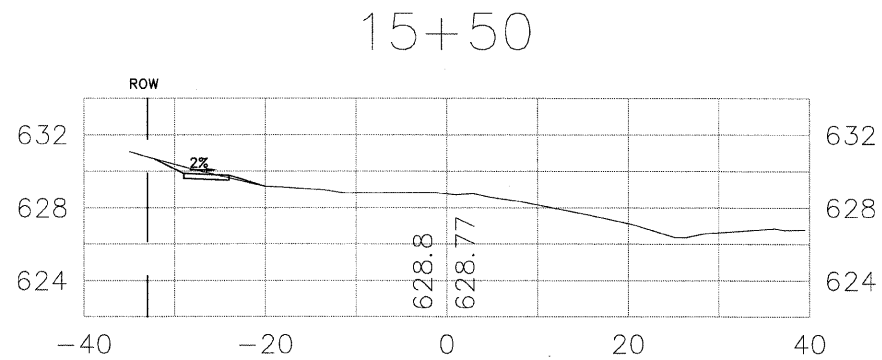
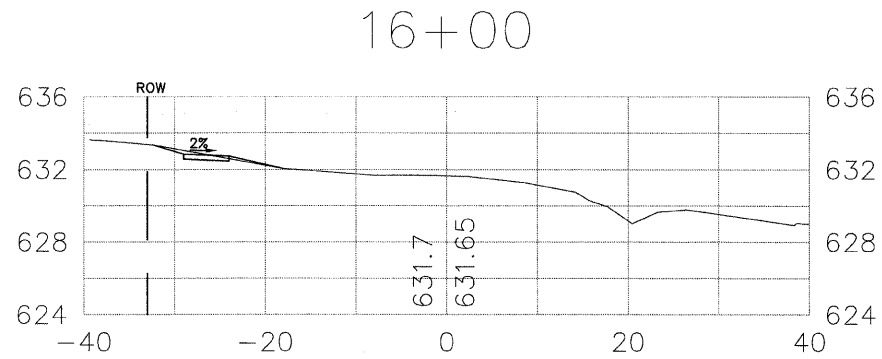
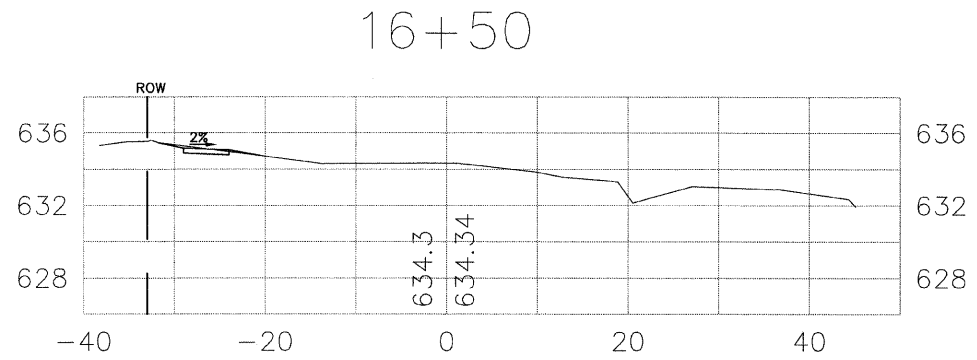
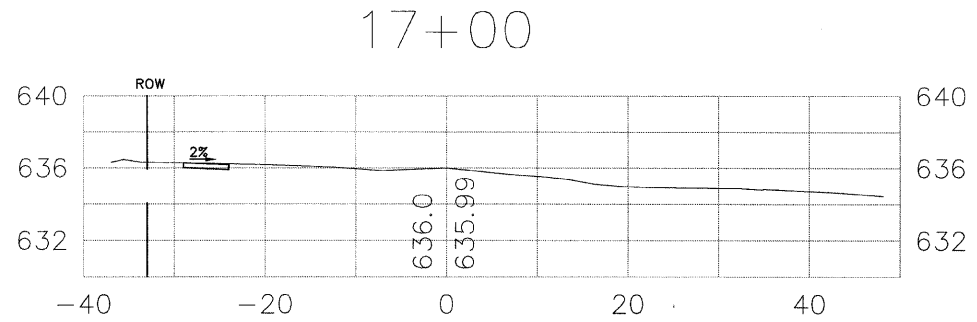
FED. ROAD DIST. NO.

ILLINOIS

FED. AID PROJECT

SEE JOB No. 10-810

NOTE: PROPOSED SIDEWALK WILL MATCH EXISTING ELEVATIONS OF GROUND; TYPICAL CUT AT EACH CROSS-SECTION = 3.75 SQUARE FEET; TYPICAL FILL AT EACH CROSS-SECTION IS MINIMAL.



STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD)  
 STA. 10+19 TO STA. 18+32 (SCHOOL STREET)  
 STA. 11+19 TO STA. 17+00 (WOLF ROAD)

DRAWN BY: JMH

REVISED: \_\_\_\_\_

CHECKED BY: JCH

REVISED: \_\_\_\_\_

DATE: 04/27/11

REVISED: \_\_\_\_\_

REVISED: 01.10.12

REVISED: \_\_\_\_\_

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SCHOOL STREET**  
**CROSS-SECTIONS**

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1552 (G.C.)	11-00032-00-SW	COOK	20	18

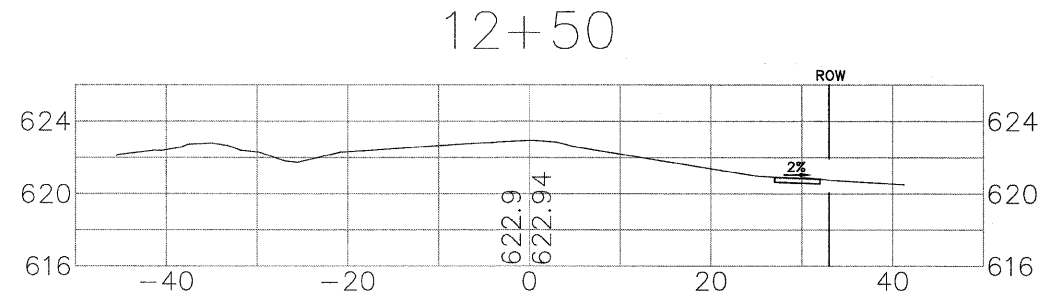
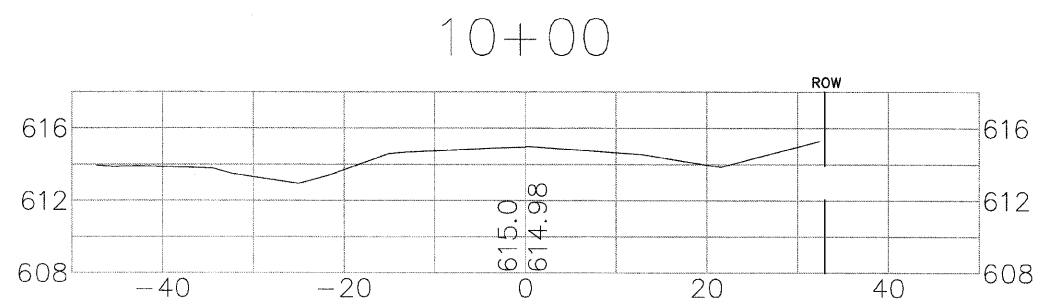
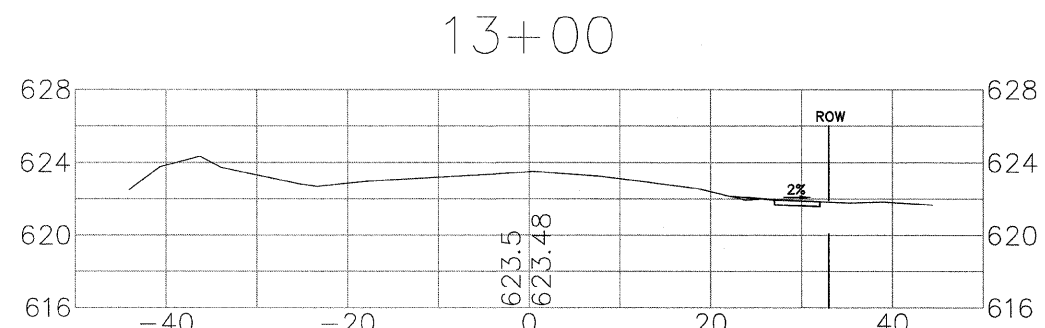
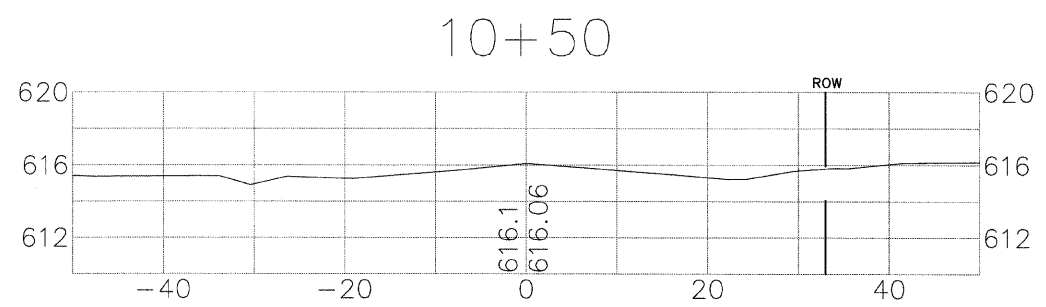
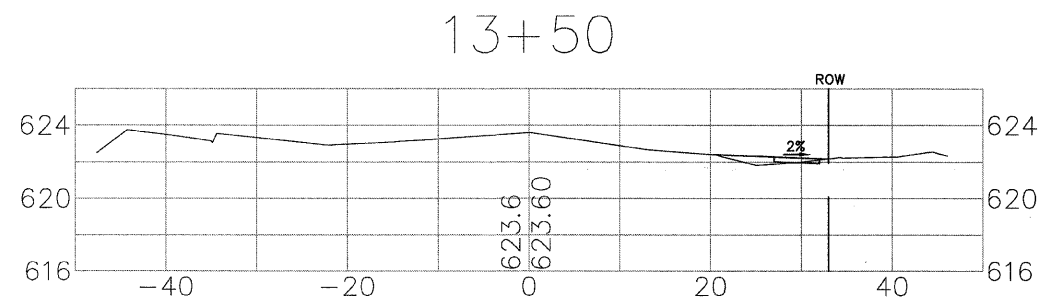
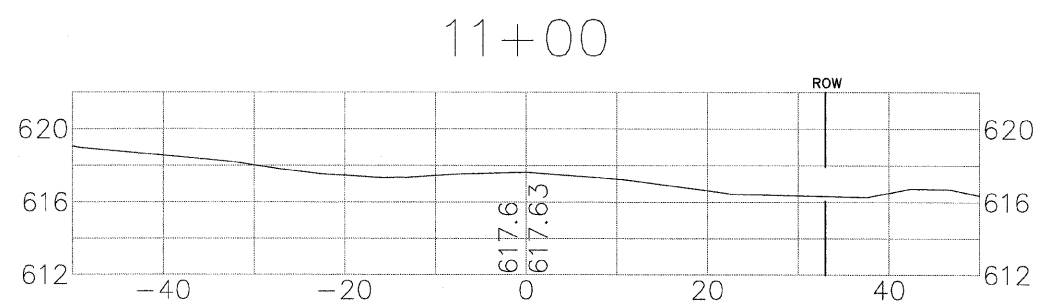
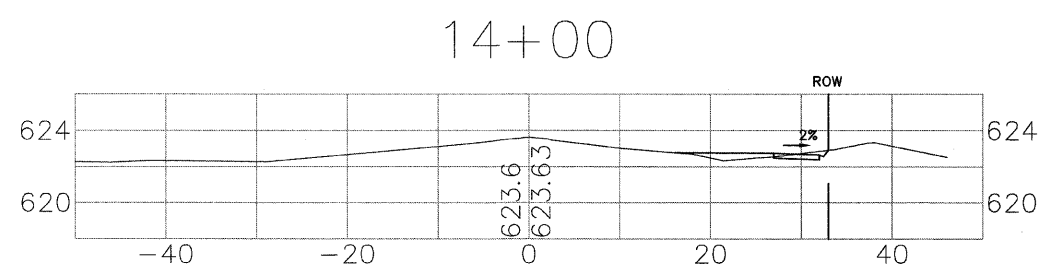
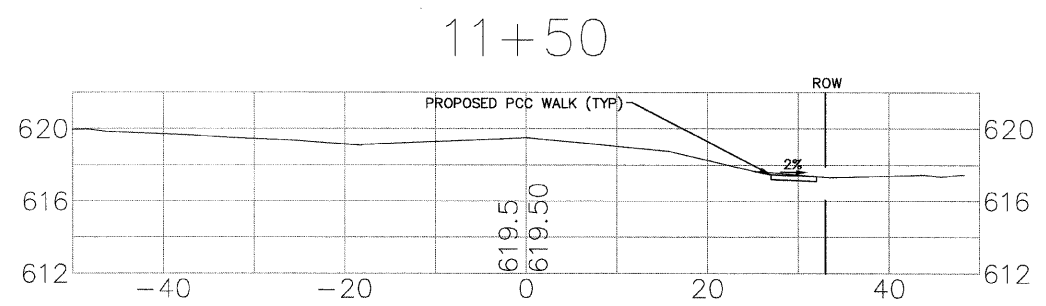
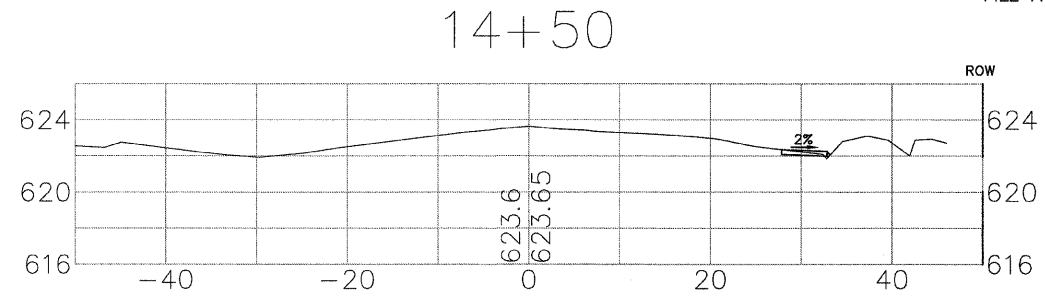
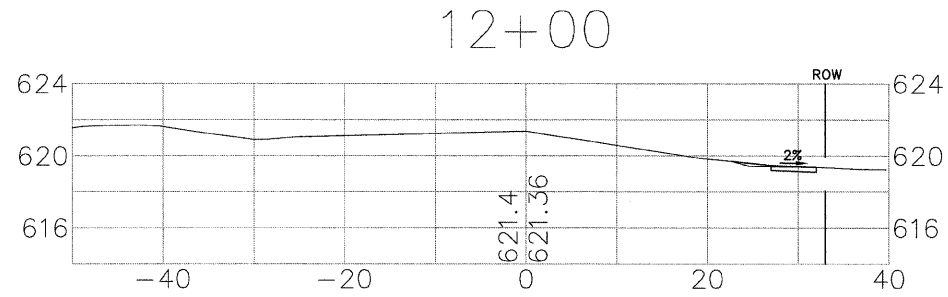
CONTRACT No. 63688

SCALE: H:1"=10' V:1"=5' SHEET No. 18 OF 20 SHEETS

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

ISE JOB No. 10-810

NOTE: PROPOSED SIDEWALK WILL MATCH EXISTING ELEVATIONS OF GROUND; TYPICAL CUT AT EACH CROSS-SECTION = 3.75 SQUARE FEET; TYPICAL FILL AT EACH CROSS-SECTION IS MINIMAL.



STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD)  
 STA. 10+19 TO STA. 18+32 (SCHOOL STREET)  
 STA. 11+19 TO STA. 17+00 (WOLF ROAD)

DRAWN BY: JMH  
 CHECKED BY: JCH  
 DATE: 04/27/11  
 REVISED: 01.10.12

REVISED: \_\_\_\_\_  
 REVISED: \_\_\_\_\_  
 REVISED: \_\_\_\_\_  
 REVISED: \_\_\_\_\_

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**WOLF ROAD**  
**CROSS-SECTIONS**

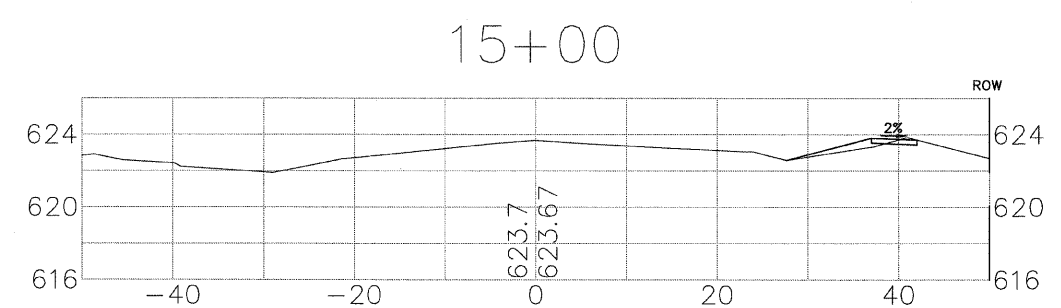
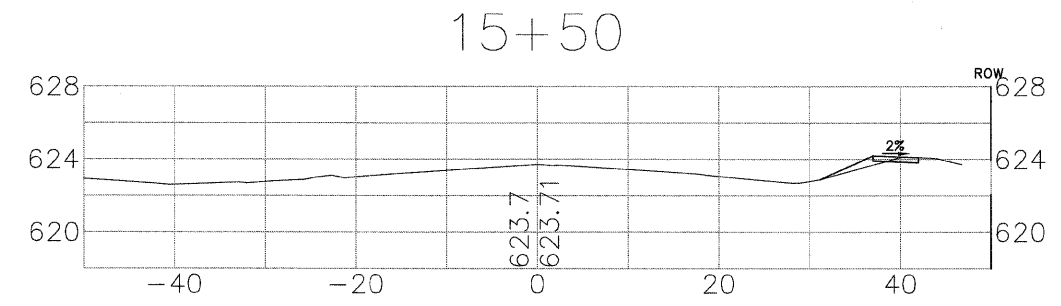
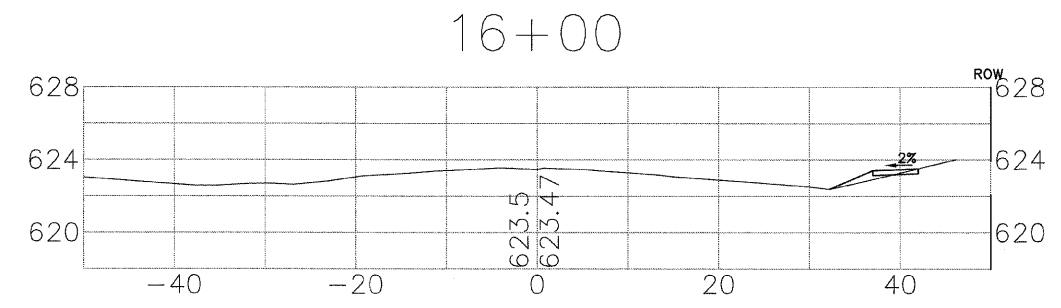
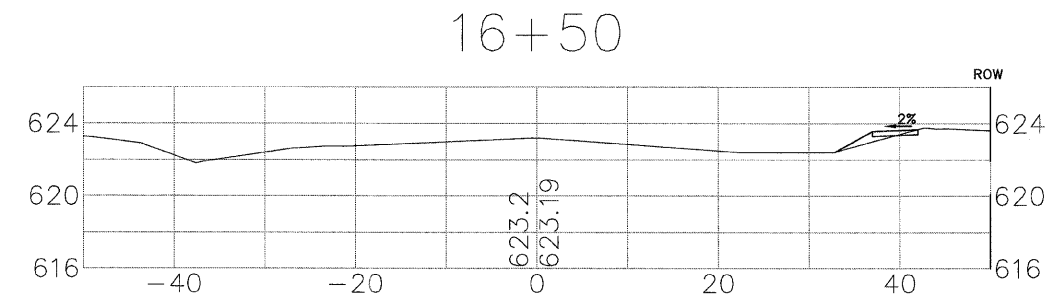
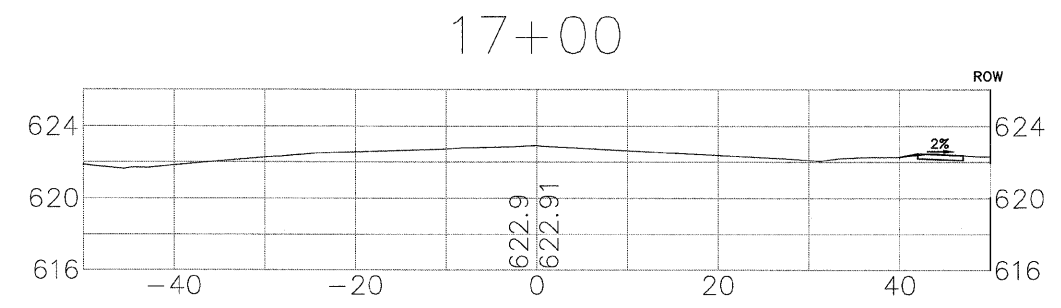
SCALE: H:1"=10' V:1"=5' SHEET No. 19 OF 20 SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1552 (G.C.)	11-00032-00-SW	COOK	20	19
CONTRACT No. 63688				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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PAGE 005 No:10-610

NOTE: PROPOSED SIDEWALK WILL MATCH EXISTING ELEVATIONS OF GROUND; TYPICAL CUT AT EACH CROSS-SECTION = 3.75 SQUARE FEET; TYPICAL FILL AT EACH CROSS-SECTION IS MINIMAL.



STA. 10+31 TO STA. 26+06 (GERMAN CHURCH ROAD)  
 STA. 10+19 TO STA. 18+32 (SCHOOL STREET)  
 STA. 11+19 TO STA. 17+00 (WOLF ROAD)

DRAWN BY: JMH  
 CHECKED BY: JCH  
 DATE: 04/27/11  
 REVISED: 01.10.12

REVISED: \_\_\_\_\_  
 REVISED: \_\_\_\_\_  
 REVISED: \_\_\_\_\_  
 REVISED: \_\_\_\_\_

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**WOLF ROAD**  
**CROSS-SECTIONS**

SCALE: H:1"=10' V:1"=5'

SHEET No. 20 OF 20 SHEETS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1552 (G.C.)	11-00032-00-SW	COOK	20	20
CONTRACT No. 63688				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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SEE JOB NO. 11-00032-00-SW