

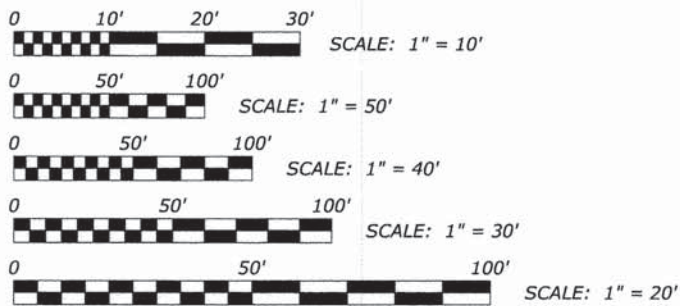
FOR INDEX OF SHEETS SEE SHEET NO. 2

TRAFFIC DATA

BUTTERFIELD ROAD 2012 ADT = 12,500
 ST. CHARLES ROAD 2010 ADT = 18,000
 25th AVENUE 2010 ADT = 19,000
 LOCAL STREETS 2014 ADT = 300
 POSTED SPEED LIMIT: 20 MPH
 DESIGN SPEED LIMIT: 30 MPH

DESIGN DESIGNATION = LOCAL STREET

PROJECT LOCATED IN THE VILLAGE OF BELLWOOD



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.

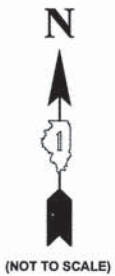
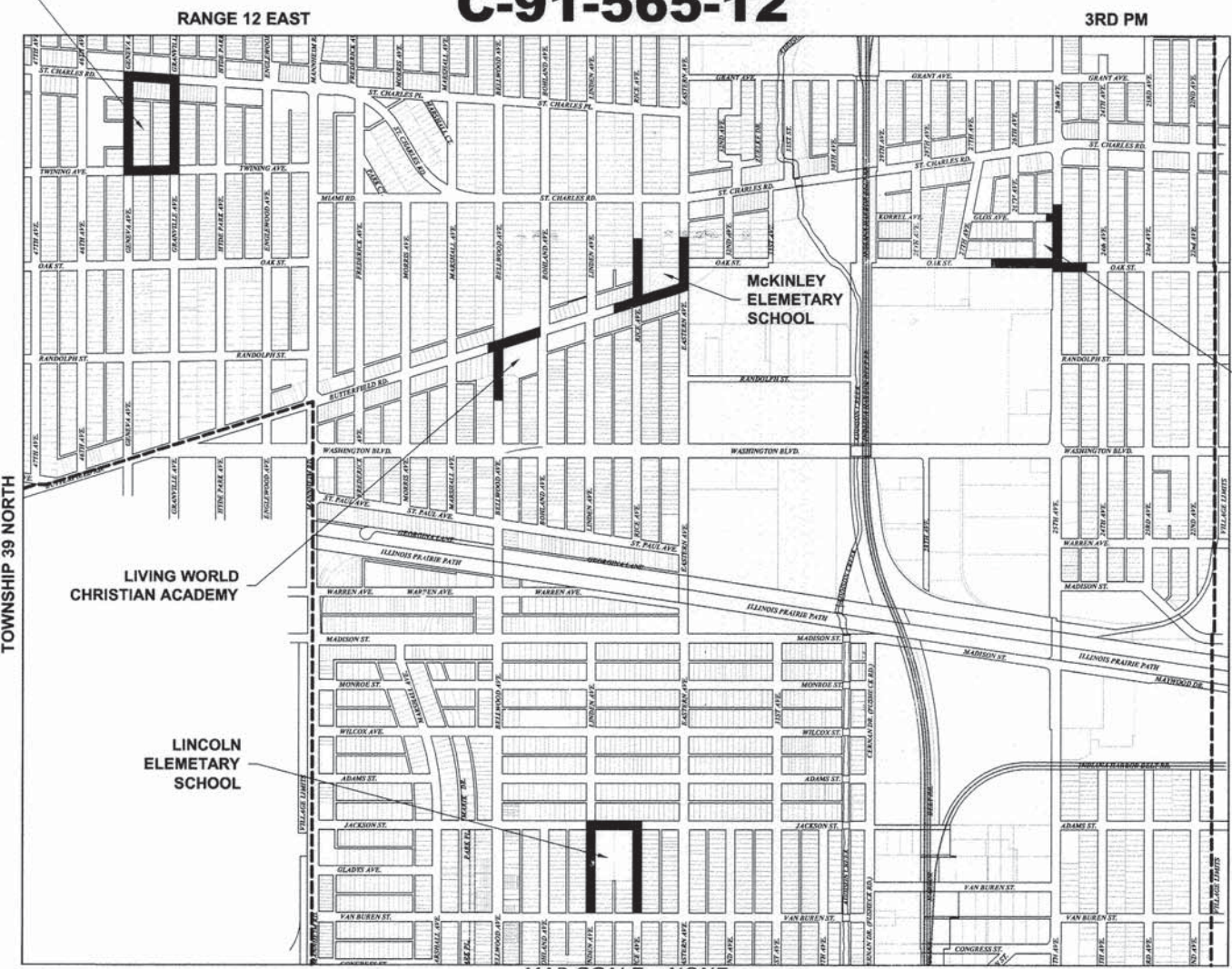
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY
 VARIOUS ROUTES (VARIOUS LIMITS)
 CURB AND GUTTER, SIDEWALK,
 PAVEMENT MARKINGS, & SIGNAGE
 SECTION 12-00143-00-SW
 PROJECT SRTS-4009(192)
 VILLAGE OF BELLWOOD
 COOK COUNTY
 C-91-565-12**

| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------------|----------------|--------|--------------|-----------|
| - | 12-00143-00-SW | COOK | 16 | 1 |
| ILLINOIS PROJECT SRTS-4009(192) | | | | |
| SECTION 12-00143-00-SW | | | | |
| CONTRACT NO. 61A49 | | | | |



LOCATION OF SECTION INDICATED THIS:

JEFFERSON ELEMENTARY SCHOOL



ROOSEVELT MIDDLE SCHOOL

LIVING WORLD CHRISTIAN ACADEMY

LINCOLN ELEMENTARY SCHOOL

MAP SCALE : NONE
PROVISO TOWNSHIP
 - AREA OF IMPROVEMENT
 GROSS LENGTH OF IMPROVEMENT = 6,501 FT = 1.288 MI
 NET LENGTH OF IMPROVEMENT = 6,501 FT = 1.288 MI

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

APPROVED *Fred A. Pagnano* 2014
 3/21/14
 VILLAGE OF BELLWOOD, PRESIDENT

PASSED *APRIL 9* 2014
John C. ...
 DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW *April 10* 2014
John ...
 DEPUTY DIRECTOR OF HIGHWAYS,
 REGION 1 ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS



SIGNED: *Mark D. Lucas*
 DATE: 3-21-14 LICENSE EXPIRES: 11/30/15



CONTRACT NO. 61A49

HANCOCK ENGINEERING

- Civil Engineers
- Municipal Consultants
- Established 1911

9933 Roosevelt Road
 Westchester, Illinois 60154-2780
 Phone: 708/865-0300
 Fax: 708/865-1212

EDWIN HANCOCK ENGINEERING COMPANY
 9933 ROOSEVELT ROAD PHONE:(708)865-0300
 WESTCHESTER, ILLINOIS 60154

E.H.E. NO. 080-13-07902

FEDERAL AID PROGRAM ENGINEER ; FAWAD AQJEEL, PE
 SCHAUMBURG, ILLINOIS PHONE: (847)705-4021

CONSULTANT: EDWIN HANCOCK ENGINEERING COMPANY
 9933 ROOSEVELT ROAD PHONE: (708)865-0300
 WESTCHESTER, ILLINOIS 60154

INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|-----------|---|
| 1 | TITLE SHEET, LOCATION MAP |
| 2 | INDEX OF SHEETS, LEGEND, HIGHWAY STANDARDS |
| 3 | GENERAL NOTES |
| 4 | SUMMARY OF QUANTITIES |
| 5-11 | SCHOOL IMPROVEMENT PLANS |
| 12 | SIGNING LEGEND |
| 13-14 | DETAILS |
| 15 | TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10) |
| 16 | DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13) |

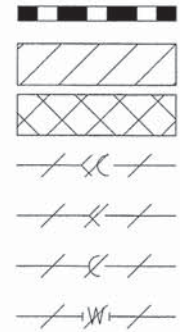
LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-06)

| EXISTING | PROPOSED | DESCRIPTION | EXISTING | PROPOSED | DESCRIPTION |
|----------|----------|--|----------|----------|---|
| | | POWER POLE | | | STORM SEWER PIPE |
| | | GAS VALVE | | | COMBINATION SEWER PIPE |
| | | STREET LIGHT | | | SANITARY SEWER PIPE |
| | | WATER MAIN BUFFALO BOX | | | ELECTRIC LINE |
| | | WATER MAIN VALVE BOX | | | GAS LINE |
| | | SPRINKLER | | | TELEPHONE LINE |
| | | WATER MAIN VALVE VAULT | | | WATER MAIN PIPE |
| | | STORM SEWER MANHOLE | | | CURB AND GUTTER |
| | | STORM CATCH BASIN | | | DIRECTION OF FLOW |
| | | STORM INLET | | | DRAINAGE SUMMIT |
| | | FIRE HYDRANT | | | WATER MAIN VALVE VAULT RIM AND TOP OF PIPE ELEVATION |
| | | TREE TO BE REMOVED | | | COMBINATION MANHOLE RIM AND INVERT ELEVATION |
| | | BUSH | | | STORM SEWER MANHOLE/CATCHBASIN RIM AND INVERT ELEVATION |
| | | TREE | | | STRUCTURE TO BE ADJUSTED |
| | | EXISTING CURB AND GUTTER TO BE REMOVED | | | TYPE 1 FRAME & CLOSED LID |
| | | EXISTING CONCRETE AREA TO BE REMOVED | | | TYPE 1 FRAME & OPEN LID |
| | | HOT-MIX ASPHALT SURFACE REMOVAL | | | RECONSTRUCT EXISTING STRUCTURE |
| | | COMBINATION SEWER PIPE TO BE REMOVED | | | GROUND ELEVATIONS |
| | | STORM SEWER PIPE TO BE REMOVED | | | |
| | | SANITARY SEWER PIPE TO BE ABANDONED | | | |
| | | WATER MAIN TO BE REMOVED | | | |

I.D.O.T. STANDARD DRAWINGS

| STANDARD NO. | TITLE OR DESCRIPTION |
|--------------|--|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 280001-07 | TEMPORARY EROSION CONTROL SYSTEMS |
| 420001-07 | PAVEMENT JOINTS |
| 424001-07 | PERPENDICULAR CURB RAMPS FOR SIDEWALKS |
| 424021-02 | DEPRESSED CORNER FOR SIDEWALKS |
| 424026-01 | ENTRANCE/ALLEY PEDESTRIAN CROSSING |
| 701006-05 | OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE |
| 701101-04 | OFF-RD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701427-02 | LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER. FOR SPEEDS < 40MPH |
| 701501-06 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701701-09 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701801-05 | SIDEWALK, CORNER OR CROSSWALK CLOSURE |
| 701901-03 | TRAFFIC CONTROL DEVICES |
| 780001-04 | TYPICAL PAVEMENT MARKINGS |



♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911
 9933 Roosevelt Road
 Wheeling, Illinois 60154-2780
 Phone: 708/965-6300
 Fax: 708/965-1212

| | | | |
|------------|----------|-----------|--|
| DESIGNED - | JGG | REVISED - | |
| DRAWN - | MK | REVISED - | |
| CHECKED - | JGG | REVISED - | |
| DATE - | 03-21-14 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LEGEND OF SYMBOLS, HIGHWAY STANDARDS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|---|----------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| --- | 12-00143-00-SW | COOK | 16 | 2 |
| FIELD BOOK NO. : --- | | CONTRACT NO. 61A49 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

ACCESS

THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN INGRESS AND EGRESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING THE CONSTRUCTION PERIOD. DURING CONSTRUCTION, GARBAGE TRUCKS MUST BE PERMITTED ACCESS TO THE WORK ZONE IN ORDER TO PICK UP RESIDENTIAL AND COMMERCIAL GARBAGE FOR THOSE PROPERTIES FRONTING THE WORK ZONE. IF GARBAGE TRUCK ACCESS IS NOT PROVIDED, THE CONTRACTOR WILL BE REQUIRED TO MOVE TRASH CONTAINERS TO AN ACCESSIBLE LOCATION WHICH WILL BE INCLUDED IN THE COST OF MOBILIZATION.

UNDERGROUND UTILITIES

THE LOCATIONS OF THE UNDERGROUND UTILITIES AS SHOWN ON THE PLANS HAVE BEEN OBTAINED BY FIELD SURVEYS AND SEARCHES OF AVAILABLE RECORDS. IT IS BELIEVED THAT THE DATA IS ESSENTIALLY CORRECT, BUT THE VILLAGE OF BELLWOOD AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND/OR OTHER OFFICES AND AGENCIES ASSOCIATED WITH THE DEVELOPMENT OF THESE PLANS DO NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR WILL BE REQUIRED TO VERIFY THE LOCATION OF EACH FACILITY WITH THE UTILITY COMPANY, AND SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY SUCH FACILITIES WHICH MAY BE AFFECTED BY THE WORK. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED IN ACCORDANCE WITH ARTICLE LR 105.

ADJUSTMENTS REQUIRED BY UTILITY COMPANIES WILL BE PERFORMED BY THE COMPANY INVOLVED OR ITS CONTRACTOR, BUT WILL BE COORDINATED BY GENERAL CONTRACTOR.

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

THE CONTRACTOR SHALL USE EXTREME CAUTION IN THE REMOVAL OF ABANDONED EXISTING GAS LINES SINCE RESIDUAL MATERIALS CONTAINED THEREIN ARE HIGHLY EXPLOSIVE, FLAMMABLE, AND TOXIC. ONCE THE MAINS ARE ABANDONED BY THE OWNER, THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ANY DAMAGE AND/OR INJURY OCCURRING ON THE PROJECT DUE TO HIS OPERATIONS NEXT TO THE MAINS AND/OR THE METHOD OF REMOVAL OF THE ABANDONED MAINS.

FRAMES AND GRATES

THE TYPE OF FRAMES AND GRATES REQUIRED FOR ALL CATCH BASINS AND MANHOLES LISTED IN THE SUMMARY OF QUANTITIES MAY BE FOUND ON THE PLANS AT THEIR RESPECTIVE LOCATIONS. WHERE LIDS ARE CALLED FOR ON THE PLANS, THEY SHALL BE IN ACCORDANCE WITH ARTICLE 604.01 OF THE STANDARD SPECIFICATIONS AND THE TERM LID IS USED IN LIEU OF GRATE.

ON ALL IMPROVEMENTS, THE FRAMES AND LIDS OF EXISTING CATCH BASINS, INLETS, MANHOLES, AND VALVE VAULTS WHICH ARE TO BE ABANDONED DUE TO CONSTRUCTION OF THIS IMPROVEMENT ARE TO REMAIN THE PROPERTY OF THE VILLAGE AND BE SALVAGED. THE CONTRACTOR IS TO DELIVER FRAMES AND LIDS TO THE VILLAGE'S PUBLIC WORKS YARD. BELLWOOD'S DEPARTMENT OF PUBLIC WORKS IS LOCATED AT 203 30TH AVENUE, BELLWOOD, ILLINOIS, PHONE NUMBER IS (708) 547-3540.

FORMS FOR CONCRETE SIDEWALKS, DRIVEWAYS, PAVEMENT, AND GUTTER FLAGS

A 2" X 6" BOARD WILL BE USED AS A FORM FOR ALL SIDEWALKS TO BE INSTALLED FIVE INCHES (5") IN THICKNESS. A 2" X 8" BOARD WILL BE USED AS A FORM FOR ALL DRIVEWAYS TO BE INSTALLED SEVEN INCHES (7") IN THICKNESS. A 2" X 10" BOARD WILL BE USED AS THE FORM FOR ALL PAVEMENTS TO BE INSTALLED EIGHT INCHES (8") IN THICKNESS. A 2" X 12" BOARD WILL BE USED AS THE FORM FOR THE FACE OF THE GUTTER FLAGS TO BE INSTALLED TEN INCHES (10") IN THICKNESS. ALL FORMS MUST BE OF A MINIMUM HEIGHT OF THE PROPOSED THICKNESS OF THE RESPECTIVE CONCRETE ITEMS TO BE INSTALLED. METAL FORMS WILL NOT BE ALLOWED ON THIS PROJECT.

OPEN EXCAVATION

LEAVING OF ANY EXCAVATION NECESSARY FOR STORM SEWERS OPEN OVERNIGHT WILL NOT BE ALLOWED ON THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR COMPLETELY BACKFILLING OR PLATING OVER OF ALL EXCAVATIONS AT THE END OF EACH DAY. IF THE EXCAVATIONS ARE BACKFILLED THEY SHALL BE FILLED WITH AN AGGREGATE MEETING THE GRADATION OF CA-6. THE MATERIAL WILL BE COMPACTED SUFFICIENTLY TO PREVENT RUTTING OR SETTLEMENT OF MATERIAL UNDER TRAFFIC LOADS. IF PLATES ARE USED THEY SHALL BE OF SUFFICIENT THICKNESS TO SUPPORT VEHICULAR LOADS. ADDITIONALLY THEY SHALL EXTEND A MINIMUM OF NINE INCHES (9") BEYOND THE LIMITS OF THE EXCAVATION ON ALL SIDES. IF THE PLATES ARE TO BE LEFT OVER THE WEEKEND, THE EDGES OF THE PLATES SHALL BE CUSHIONED WITH A BITUMINOUS MIXTURE IN AREAS WHERE VEHICULAR TRAFFIC WILL CROSS THE PLATES.

THE COSTS FOR PROVIDING THE AGGREGATE, PLATES AND BITUMINOUS MIXTURE WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE VARIOUS CONTRACT ITEMS.

MAINTENANCE OF SEWER FLOWS

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN AT ALL TIMES FLOWS THROUGH EXISTING STORM AND COMBINED SEWER SYSTEMS. HE SHALL ALSO PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT IF NECESSARY AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER COLLECTED IN A SAFE MANNER WITHOUT DAMAGE OF ANY KIND TO ADJACENT PROPERTIES. THE ENDS OF EXISTING DRAINAGE LINES WHICH ARE NOT TO BE INCORPORATED INTO THE PROJECT ARE TO BE SEALED AS SPECIFIED IN THE SPECIAL PROVISIONS. THE COST OF ALL THE PREVIOUSLY MENTIONED WORK SHALL BE INCLUDED IN THE RESPECTIVE SEWER PAY ITEMS. ALL ACCUMULATION OF MATERIAL IN THE STRUCTURE DUE TO CONSTRUCTION OPERATIONS AS WELL AS MATERIAL EXISTING BEFORE CONSTRUCTION, SHALL BE REMOVED BY THE CONTRACTOR AT HIS EXPENSE.

EXISTING STRUCTURE MODIFICATIONS

ALL KNOWN EXISTING STRUCTURES IN THE PAVEMENT OR ADJACENT AREAS WHICH ARE INVOLVED IN THE CONSTRUCTION HAVE BEEN SHOWN ON THE PLANS AND NOTED AS TO BE REMOVED, FILLED, RECONSTRUCTED, OR ADJUSTED BY THE CONTRACTOR EXCEPT THOSE OF AMERITECH, COMED, AND THE NICOR GAS COMPANY, WHICH ARE TO BE ADJUSTED BY THE APPROPRIATE UTILITY FORCE. WHERE EXISTING STRUCTURES ARE TO BE REMOVED OR FILLED, OR THE EXISTING CASTING REPLACED, THE CASTINGS REMOVED FROM THE STRUCTURE ARE TO REMAIN THE PROPERTY OF THE VILLAGE AND BE SALVAGED. THE CONTRACTOR IS TO DELIVER FRAMES AND LIDS TO THE VILLAGE'S PUBLIC WORKS YARD.

MAINTENANCE OF EXISTING DRAINAGE STRUCTURES

WHEN DURING THE CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF ANY GUTTERS OR DRAINAGE STRUCTURE SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE FACILITIES SHALL BE CLEAN AND FREE OF ALL OBSTRUCTIONS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE RESPECTIVE SEWER PAY ITEMS.

SAW CUTTING

THE CONTRACTOR SHALL SAW CUT ASPHALT PAVEMENT AND CONCRETE PAVEMENT AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER, TO SEPARATE THE EXISTING PAVEMENT TO BE REMOVED BY MEANS OF AN APPROVED CONCRETE SAW TO A DEPTH AS DIRECTED BY THE ENGINEER. SUITABLE GUIDELINES OR DEVICES SHALL BE USED TO ASSURE CUTTING A NEAT, STRAIGHT LINE AS SHOWN ON THE PLANS. CARE SHALL BE TAKEN BY THE CONTRACTOR SO AS NOT TO DAMAGE THE REMAINING PAVEMENT DIRECTLY ADJACENT TO THE PAVEMENT TO BE REMOVED. ANY DAMAGE TO THE EXISTING PAVEMENT RESULTING FROM PAVEMENT REMOVAL OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE PRICE OF SAW CUTTING, AS NOTED ABOVE, SHALL BE INCLUDED IN THE PARTICULAR PAY ITEMS.

PROPOSED STRUCTURES

THE CONTRACTOR SHALL NOT ORDER PROPOSED STRUCTURES UNTIL A JULIE REQUEST HAS BEEN EXECUTED AND THE ENGINEER HAS BEEN NOTIFIED BY THE CONTRACTOR OF ANY CONFLICTS.

ITEMS TO BE SALVAGED

WHERE SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER, EXISTING SEWER FRAMES AND LIDS, VALVE BOXES, DOMESTIC WATER SERVICE BOXES, FIRE HYDRANTS AND OTHER CASTINGS ARE TO BE REMOVED BY THE CONTRACTOR. ADDITIONALLY, ALL EXISTING SIGNAGE SCHEDULED FOR REMOVAL WILL ALSO BE APPROPRIATED BY THE CONTRACTOR. THESE ITEMS WILL REMAIN THE PROPERTY OF THE VILLAGE, AND SHALL BE DELIVERED TO THE OWNER AT ITS PUBLIC WORKS FACILITY AT 203 30TH AVENUE, BELLWOOD, IL 60104.

BITUMINOUS MATERIALS (PRIME COAT)

THE PLACEMENT OF BITUMINOUS MATERIALS (PRIME COAT) WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50.

TRAFFIC PROTECTION

CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT WHEN WORK COMMENCES, THE CONTRACTOR SHALL ASSUME THE MAINTENANCE OF ANY PAVEMENT, SHOULDERS, DRAINAGE FACILITIES, TRAFFIC CONTROL SIGNS, PAVEMENT MARKINGS, AND OTHER APPURTENANCES ON ROADWAYS WITHIN THE LIMITS OF THE CONTRACT WHICH ARE TO BE USED BY THE PUBLIC DURING CONSTRUCTION AND TO RETAIN THIS MAINTENANCE RESPONSIBILITY UNTIL PROJECT COMPLETION. NEED FOR SNOW AND ICE CONTROL DURING THE CONSTRUCTION PERIOD SHALL BE ACCOMMODATED FOR BY OTHERS.

STORM SEWER STRUCTURES

PRE-CAST REINFORCED CONCRETE SECTIONS FABRICATED IN ACCORDANCE WITH ASTM C-478 WILL BE USED ON ALL STRUCTURES AND RECONSTRUCTED STRUCTURES. FINAL ADJUSTMENT SHALL BE MADE USING PRE-CAST ADJUSTING RINGS. A MAXIMUM OF 6" OF ADJUSTING RINGS WILL BE PERMITTED. THE WORK DESCRIBED WITHIN THE SPECIAL PROVISION FOR FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) SHALL BE PERFORMED WHEN INSTALLING A NEW STORM SEWER STRUCTURE. THIS ITEM WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE UNIT PRICE FOR THE VARIOUS PROPOSED STORM SEWER STRUCTURES IN THE CONTRACT.

MANHOLE OR VALVE VAULT COVERS

THE WORD "WATER", "SANITARY", OR "STORM" SHALL BE CAST INTO THE LID OF EACH RESPECTIVE MANHOLE OR VALVE VAULT.

EXISTING SIGN AND POST REMOVAL

ALL EXISTING SCHOOL CROSSING RELATED SIGNS SHOWN ON THE PLANS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN COST OF SIGN AND POST ITEMS.

Drawing file: W:\Projects_by_Village\Bellwood\08013079 - Safe Routes To School\03_GeneralNotes.dwg Mar 24, 2014 - 11:26am

HANCOCK ENGINEERING
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

9933 Roosevelt Road
 Woodstock, Illinois 60154-2790
 Phone: 708/965-6390
 Fax: 708/965-1212

| | | | |
|------------|----------|-----------|--|
| DESIGNED - | JGG | REVISED - | |
| DRAWN - | MK | REVISED - | |
| CHECKED - | JGG | REVISED - | |
| DATE - | 03-21-14 | REVISED - | |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|-----------------------|----------------|--------------------|------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| -- | 12-00143-00-SW | COOK | 16 | 3 |
| FIELD BOOK NO. : -- | | CONTRACT NO. 61A49 | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |

SUMMARY OF QUANTITIES

| | CODE | PAY ITEM DESCRIPTION | UNIT | TOTAL QUANTITY | CONST. TYPE CODE 021 100% FEDERAL |
|---|------------|--|-------|----------------|---|
| | 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SQ YD | 430 | 430 |
| | 25200100 | SODDING | SQ YD | 430 | 430 |
| | 40603335 | HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 | TON | 30 | 30 |
| | 42300300 | PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH | SQ YD | 5 | 5 |
| | 42400200 | PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH | SQ FT | 6,500 | 6,500 |
| ~ | 42400800 | DETECTABLE WARNINGS | SQ FT | 840 | 840 |
| | 44000100 | PAVEMENT REMOVAL | SQ YD | 60 | 60 |
| | 44000157 | HOT-MIX ASPHALT SURFACE REMOVAL, 2" | SQ YD | 265 | 265 |
| ~ | 44000200 | DRIVEWAY PAVEMENT REMOVAL | SQ YD | 5 | 5 |
| ~ | 44000500 | COMBINATION CURB AND GUTTER REMOVAL | FOOT | 1,140 | 1,140 |
| ~ | 44000600 | SIDEWALK REMOVAL | SQ FT | 8,250 | 8,250 |
| | 60300305 | FRAMES AND LIDS TO BE ADJUSTED | EACH | 15 | 15 |
| ~ | 60604100 | COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED) | FOOT | 1,140 | 1,140 |
| | 67100100 | MOBILIZATION | LSUM | 1 | 1 |
| | 70102620 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701501 | LSUM | 1 | 1 |
| | 70102635 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701701 | LSUM | 1 | 1 |
| | 70102640 | TRAFFIC CONTROL AND PROTECTION, STANDARD 701801 | LSUM | 1 | 1 |
| | 72000100 | SIGN PANEL - TYPE 1 | SQ FT | 200 | 200 |
| | 72900100 | METAL POST - TYPE A | FOOT | 300 | 300 |
| | * 78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" | FOOT | 2,000 | 2,000 |
| | * 78000650 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" | FOOT | 600 | 600 |
| | 78300100 | PAVEMENT MARKING REMOVAL | SQ FT | 2,100 | 2,100 |

* DENOTES SPECIALTY ITEM

~ DENOTES THAT A SPECIAL PROVISION HAS BEEN PROVIDED

Drawing file: W:\Projects_by_Village\Briewood\08012079 - Safe Routes To School\04_S00.dwg Apr 08, 2014 - 9:02am



◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911

9933 Riverwalk Road
Waukegan, Illinois 60154-2790
Phone: 708/965-0300
Fax: 708/965-1312

| | | | |
|------------|----------|-----------|--|
| DESIGNED - | JGG | REVISED - | |
| DRAWN - | MK | REVISED - | |
| CHECKED - | JGG | REVISED - | |
| DATE - | 03-21-14 | REVISED - | |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

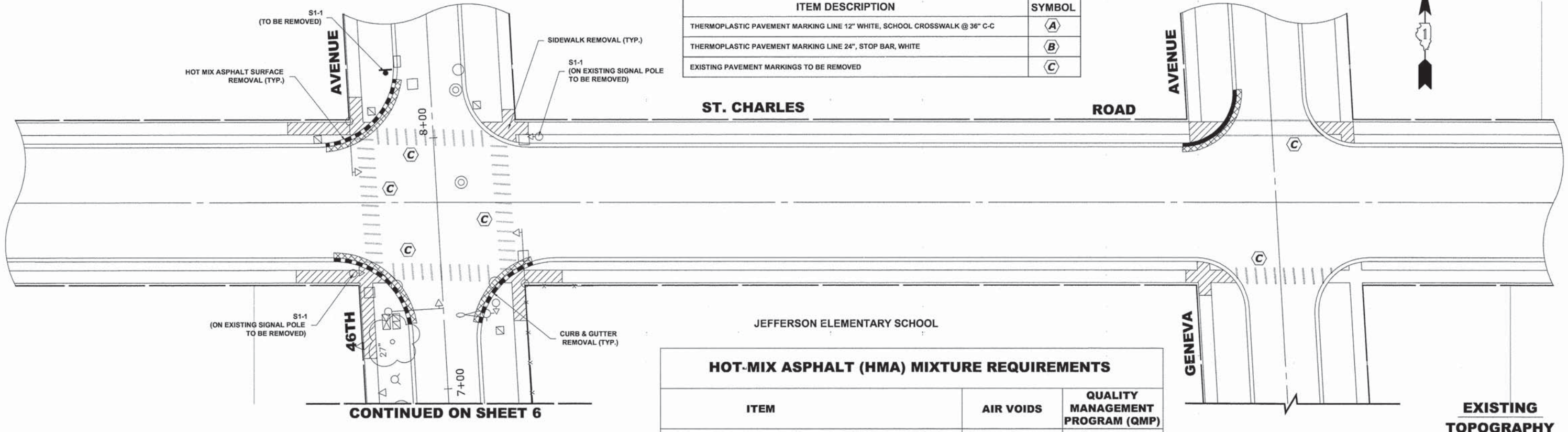
SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|-----------------------|----------------|--------------------|------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| --- | 12-00143-00-SW | COOK | 16 | 4 |
| FIELD BOOK NO. : -- | | CONTRACT NO. 61A49 | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |

E.H.E. PROJECT NO. 080-13-07902

| PAVEMENT MARKING LEGEND | |
|---|--------|
| ITEM DESCRIPTION | SYMBOL |
| THERMOPLASTIC PAVEMENT MARKING LINE 12" WHITE, SCHOOL CROSSWALK @ 36" C-C | A |
| THERMOPLASTIC PAVEMENT MARKING LINE 24", STOP BAR, WHITE | B |
| EXISTING PAVEMENT MARKINGS TO BE REMOVED | C |



| HOT-MIX ASPHALT (HMA) MIXTURE REQUIREMENTS | | |
|--|-------------|----------------------------------|
| ITEM | AIR VOIDS | QUALITY MANAGEMENT PROGRAM (QMP) |
| RESURFACING | | |
| HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2" | 4% @ 50 GYR | Qc/Qa |

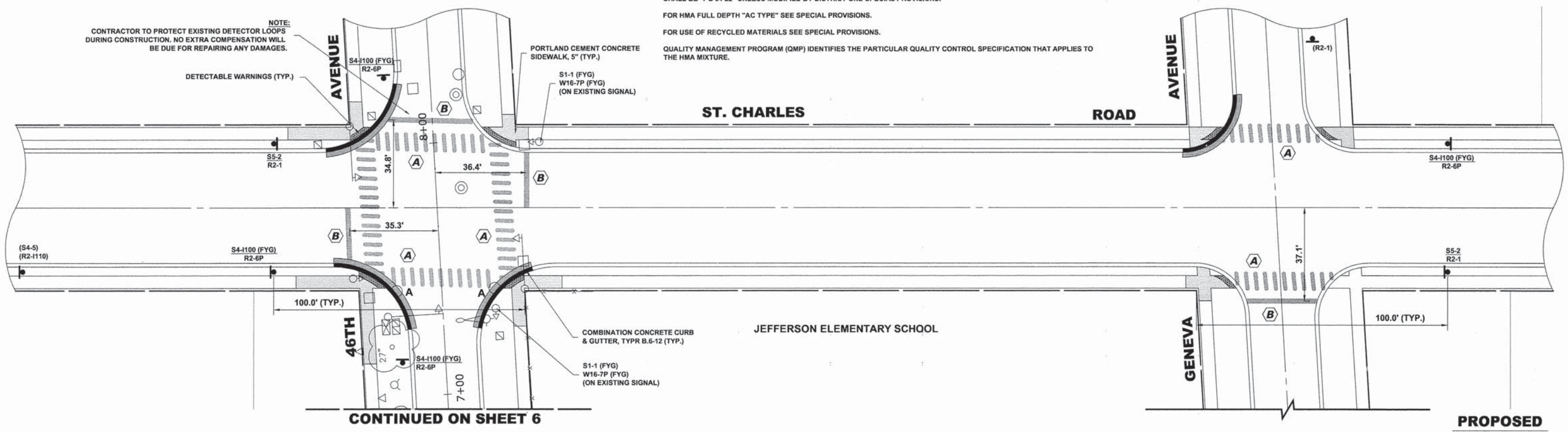
THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES = 112 LBS/SQYD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.



HANCOCK ENGINEERING

- Civil Engineers
- Municipal Consultants
- Established 1911

9933 Roosevelt Road
 Wheaton, Illinois 60154-2780
 Phone: 708/965-0340
 Fax: 708/965-1212

| | |
|-----------------|-----------|
| DESIGNED - JGG | REVISED - |
| DRAWN - MK | REVISED - |
| CHECKED - JGG | REVISED - |
| DATE - 03-21-14 | REVISED - |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

JEFFERSON ELEMENTARY SCHOOL IMPROVEMENTS

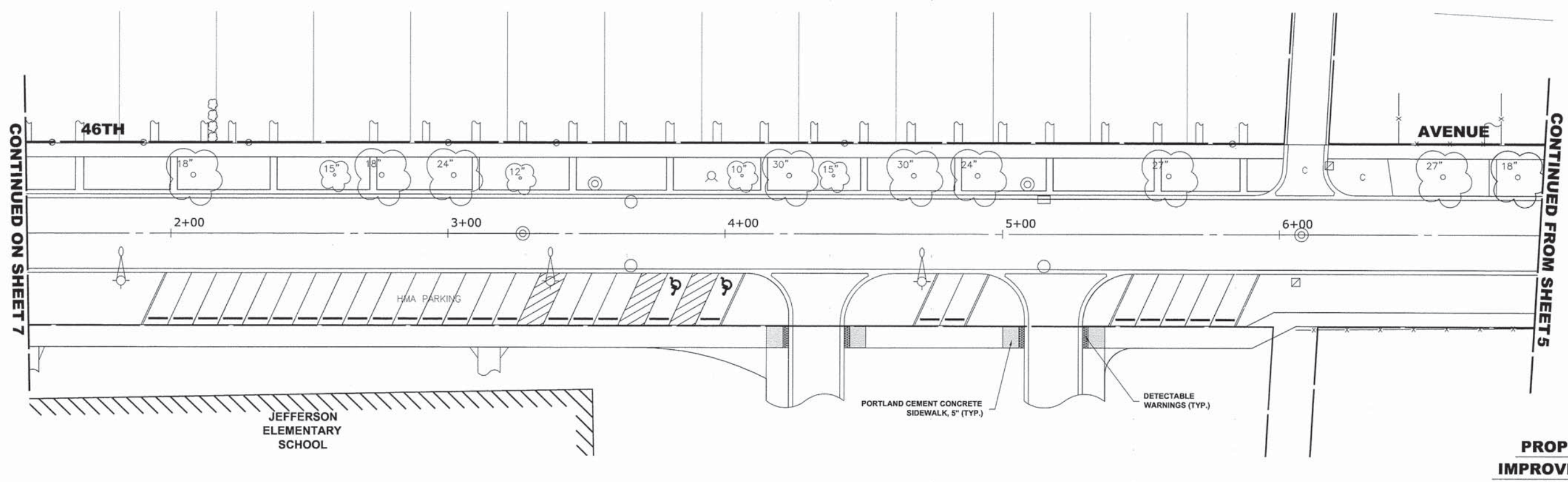
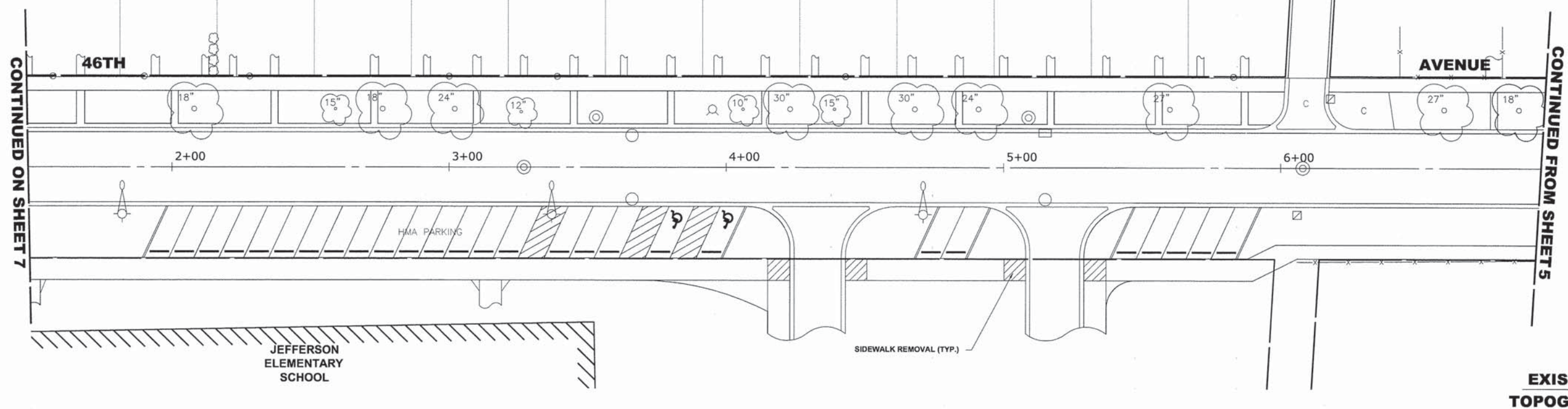
SCALE: 1" = 20'

SHEET NO. 1 OF 3 SHEETS

STA. - TO STA. -

| | | | | |
|-----------------------|----------------|--------------------|------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| --- | 12-00143-00-SW | COOK | 16 | 5 |
| FIELD BOOK NO. : -- | | CONTRACT NO. 61A49 | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |

Drawing file: W:\Projects_by_Village\Belwood\08013079 - Safe Routes To School\Site\Belwood_Schools.dwg Mar 24, 2014 11:27am



Drawing File: W:\Projects\by_Millog\Belwood\08013079 - Safe Routes To School\Site\Belwood Schools.dwg Mar 21, 2014 - 1:37pm

HANCOCK ENGINEERING
 ♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911
 9933 Roosevelt Road
 Waukegan, Illinois 60154-2780
 Phone: 708-965-0380
 Fax: 708-965-1312

| | | | |
|------------|----------|-----------|--|
| DESIGNED - | JGG | REVISED - | |
| DRAWN - | MK | REVISED - | |
| CHECKED - | JGG | REVISED - | |
| DATE - | 03-21-14 | REVISED - | |

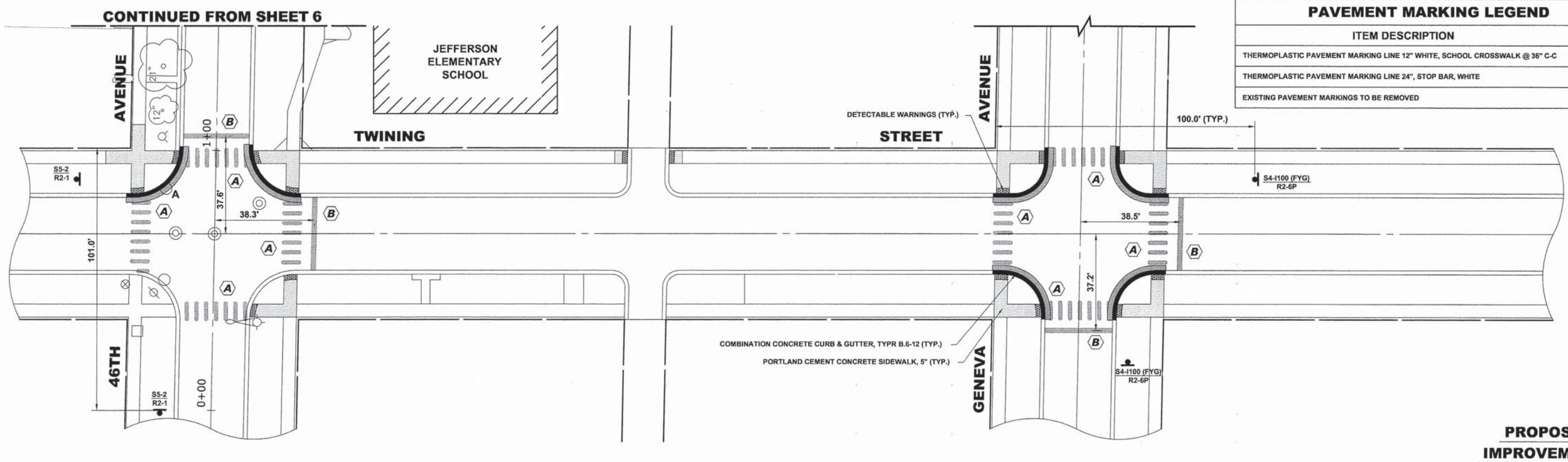
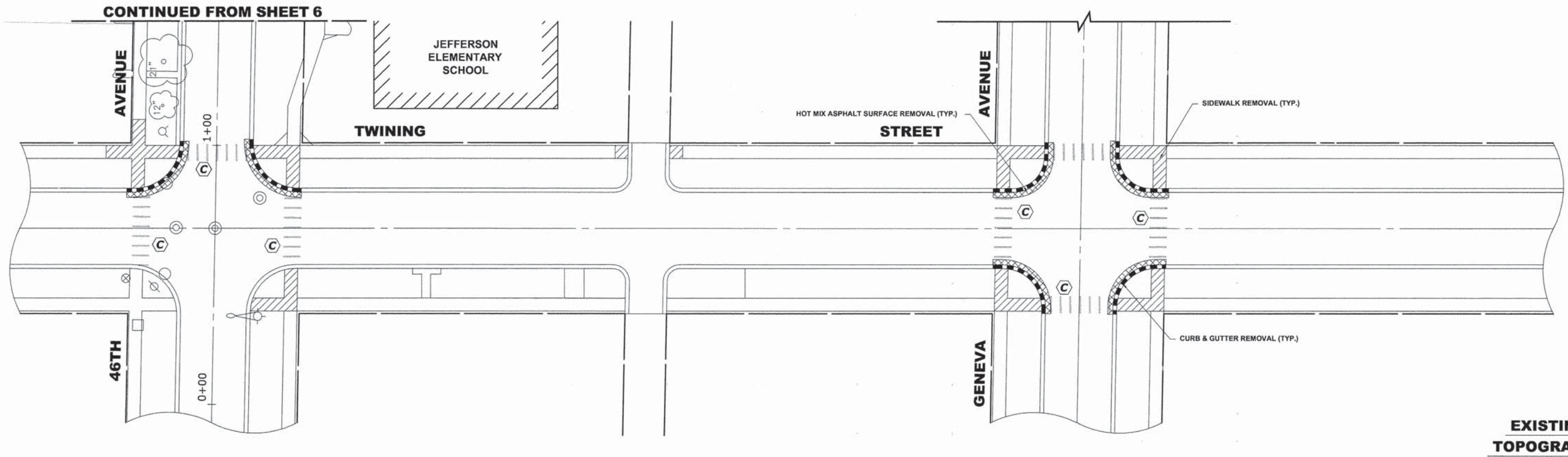
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**JEFFERSON ELEMENTARY SCHOOL
 IMPROVEMENTS**

SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. - TO STA. -

| | | | | |
|--------------------------------|----------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| --- | 12-00143-00-SW | COOK | 16 | 6 |
| FIELD BOOK NO. : --- | | CONTRACT NO. 61A49 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS | | FED. AID PROJECT | | |

E.H.E. PROJECT NO. 080-13-07902



PAVEMENT MARKING LEGEND

| ITEM DESCRIPTION | SYMBOL |
|---|--------|
| THERMOPLASTIC PAVEMENT MARKING LINE 12" WHITE, SCHOOL CROSSWALK @ 36" C-C | A |
| THERMOPLASTIC PAVEMENT MARKING LINE 24", STOP BAR, WHITE | B |
| EXISTING PAVEMENT MARKINGS TO BE REMOVED | C |

Drawing file: W:\Projects_by_Village\Bellevue\08013079 - Safe Routes To School\Site\Bellevue Schools.dwg
 Mar 24, 2014 - 9:26am

HANCOCK ENGINEERING

- ◆ Civil Engineers
- ◆ Municipal Consultants
- ◆ Established 1911

9933 Roosevelt Road
 Westchester, Illinois 60154-2700
 Phone: 708/965-0300
 Fax: 708/965-1312

| | |
|-----------------|-----------|
| DESIGNED - JGG | REVISED - |
| DRAWN - MK | REVISED - |
| CHECKED - JGG | REVISED - |
| DATE - 03-21-14 | REVISED - |

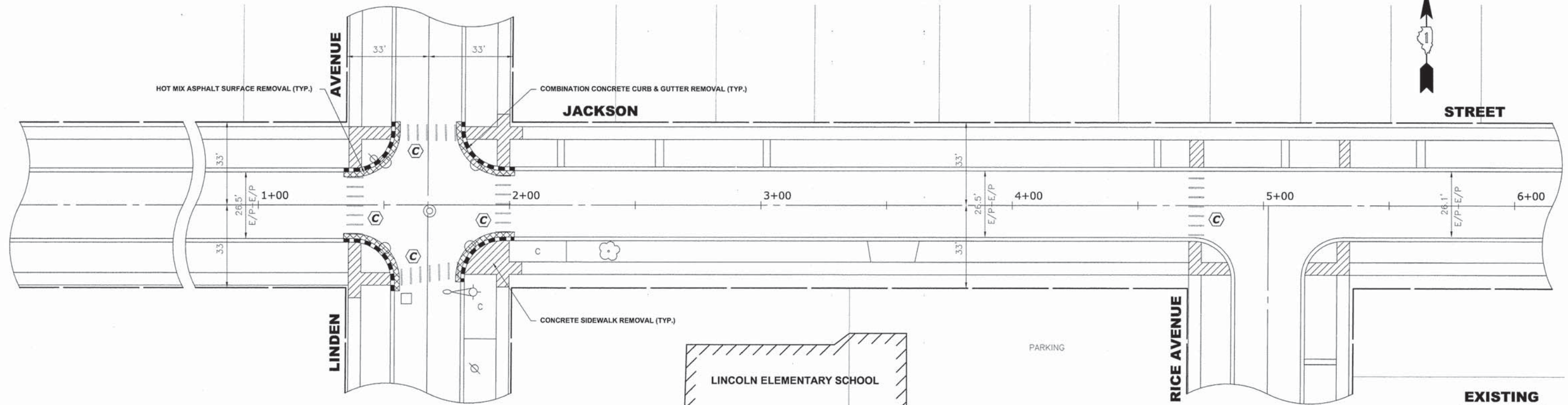
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**JEFFERSON ELEMENTARY SCHOOL
 IMPROVEMENTS**

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. - TO STA. -

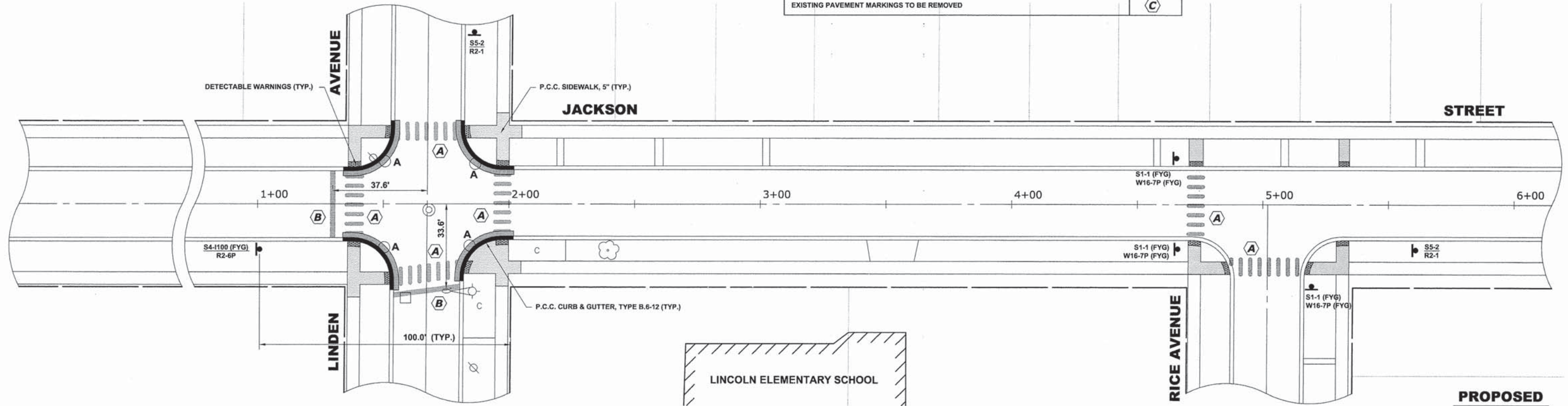
| | | | | |
|----------------------------------|------------------------|--------------------|-----------------|-------------|
| F.A.U. RTE. --- | SECTION 12-00143-00-SW | COUNTY COOK | TOTAL SHEETS 16 | SHEET NO. 7 |
| FIELD BOOK NO. : --- | | CONTRACT NO. 61A49 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS | | FED. AID PROJECT | | |

E.H.E. PROJECT NO. 080-13-07902



EXISTING TOPOGRAPHY

| PAVEMENT MARKING LEGEND | |
|---|--------|
| ITEM DESCRIPTION | SYMBOL |
| THERMOPLASTIC PAVEMENT MARKING LINE 12" WHITE, SCHOOL CROSSWALK @ 36" C-C | (A) |
| THERMOPLASTIC PAVEMENT MARKING LINE 24", STOP BAR, WHITE | (B) |
| EXISTING PAVEMENT MARKINGS TO BE REMOVED | (C) |



PROPOSED IMPROVEMENTS

Drawing file: W:\Projects_by_Village\Belwood\08013079 - Safe Routes To School\Site\Belwood Schools.dwg Apr 06, 2014 - 9:05am

HANCOCK ENGINEERING

- Civil Engineers
- Municipal Consultants
- Established 1911

9933 Roosevelt Road
Waukegan, Illinois 60154-3780
Phone: 708/965-0580
Fax: 708/965-1212

| | | | |
|------------|----------|-----------|--|
| DESIGNED - | JGG | REVISED - | |
| DRAWN - | MK | REVISED - | |
| CHECKED - | JGG | REVISED - | |
| DATE - | 03-21-14 | REVISED - | |

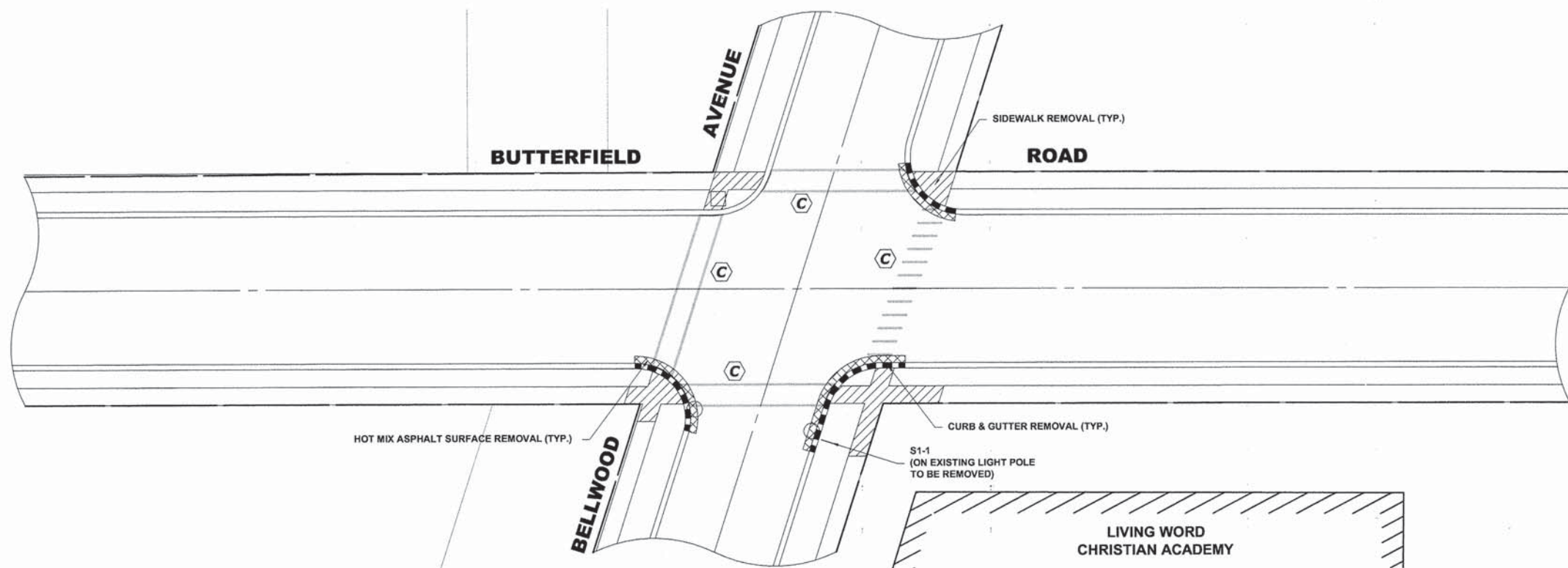
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LINCOLN ELEMENTARY SCHOOL
IMPROVEMENTS**

SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. - TO STA. -

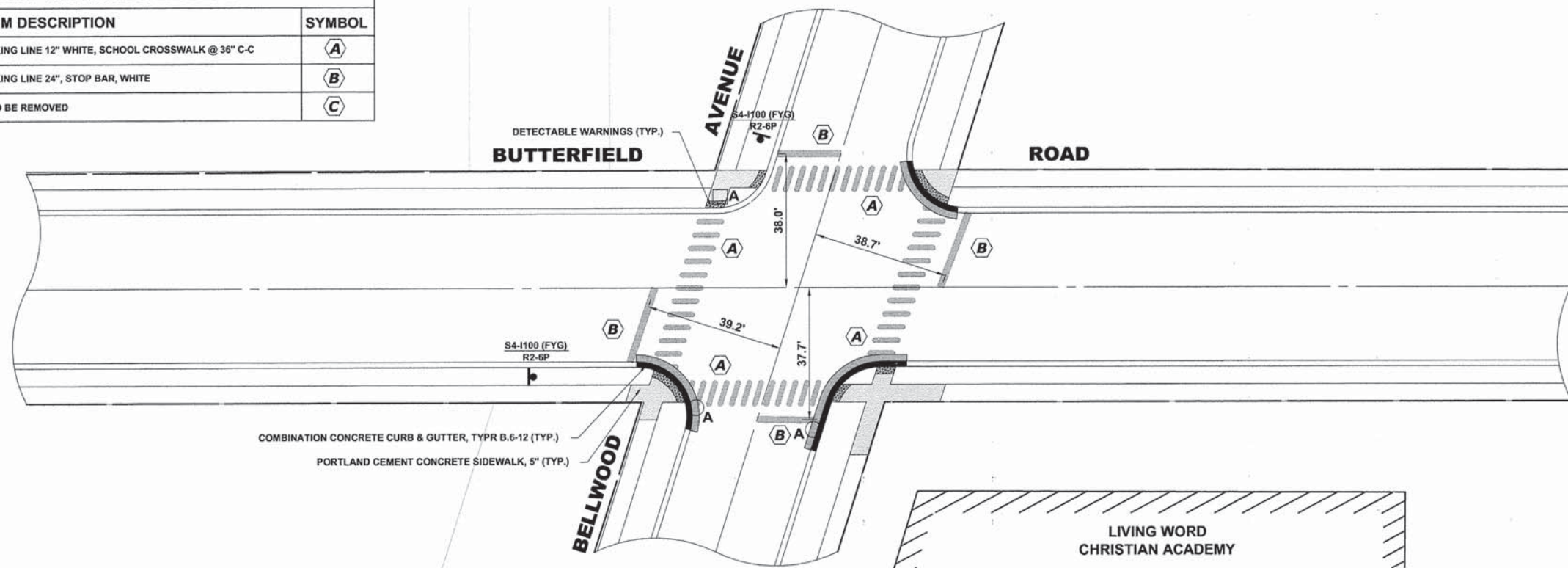
| | | | | |
|-----------------------|----------------|--------------------|------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| --- | 12-00143-00-SW | COOK | 16 | 8 |
| FIELD BOOK NO. : --- | | CONTRACT NO. 61A49 | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |

E.H.E. PROJECT NO. 080-13-07902



EXISTING TOPOGRAPHY

| PAVEMENT MARKING LEGEND | |
|---|--------|
| ITEM DESCRIPTION | SYMBOL |
| THERMOPLASTIC PAVEMENT MARKING LINE 12" WHITE, SCHOOL CROSSWALK @ 36" C-C | (A) |
| THERMOPLASTIC PAVEMENT MARKING LINE 24", STOP BAR, WHITE | (B) |
| EXISTING PAVEMENT MARKINGS TO BE REMOVED | (C) |



PROPOSED IMPROVEMENTS

Drawing file: W:\Projects_by_Village\Bellwood\08013079 - Safe Routes To School\Site\Bellwood_Schools.dwg Mar 24, 2014 - 9:25am



♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

9933 Roosevelt Road
 Westchester, Illinois 60154-2780
 Phone: 708/965-4300
 Fax: 708/965-1212

| | | | |
|------------|----------|-----------|--|
| DESIGNED - | JGG | REVISED - | |
| DRAWN - | MK | REVISED - | |
| CHECKED - | JGG | REVISED - | |
| DATE - | 03-21-14 | REVISED - | |

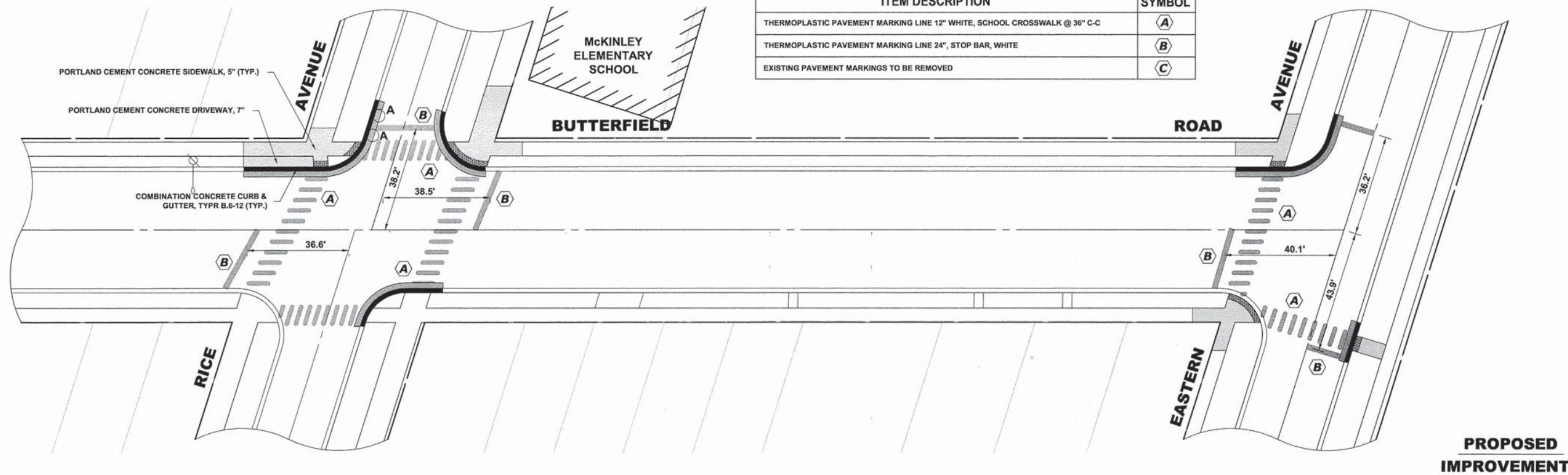
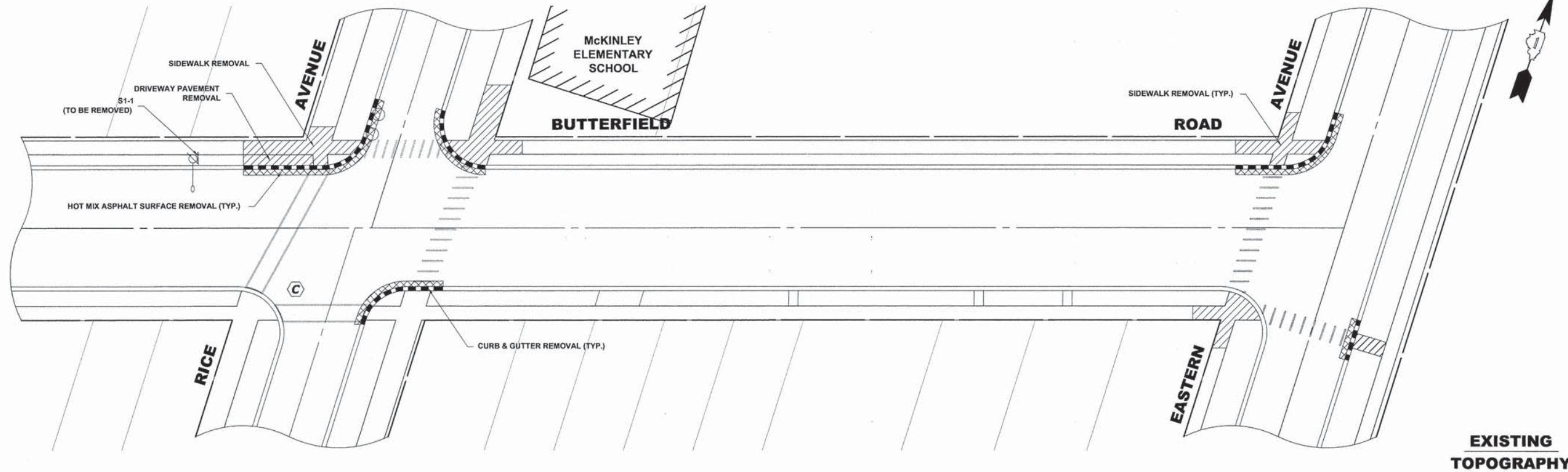
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIVING WORD CHRISTIAN ACADEMY
IMPROVEMENTS

SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. - TO STA. -

| | | | | |
|-----------------------|----------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| --- | 12-00143-00-SW | COOK | 16 | 9 |
| FIELD BOOK NO. : --- | | CONTRACT NO. 61A49 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

E.H.E. PROJECT NO. 080-13-07902



| PAVEMENT MARKING LEGEND | |
|---|--------|
| ITEM DESCRIPTION | SYMBOL |
| THERMOPLASTIC PAVEMENT MARKING LINE 12" WHITE, SCHOOL CROSSWALK @ 36" C-C | (A) |
| THERMOPLASTIC PAVEMENT MARKING LINE 24", STOP BAR, WHITE | (B) |
| EXISTING PAVEMENT MARKINGS TO BE REMOVED | (C) |

Drawing file: W:\Projects_by_Village\Bellewood\08013079 - Safe Routes To School\Site\Bellewood_Schools.dwg Apr 06, 2014 - 9:06am



♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

9933 Kinrossville Road
 Wheaton, Illinois 60154-2790
 Phone: 708/965-0390
 Fax: 708/965-1212

| | | | |
|------------|----------|-----------|--|
| DESIGNED - | JGG | REVISED - | |
| DRAWN - | MK | REVISED - | |
| CHECKED - | JGG | REVISED - | |
| DATE - | 03-21-14 | REVISED - | |

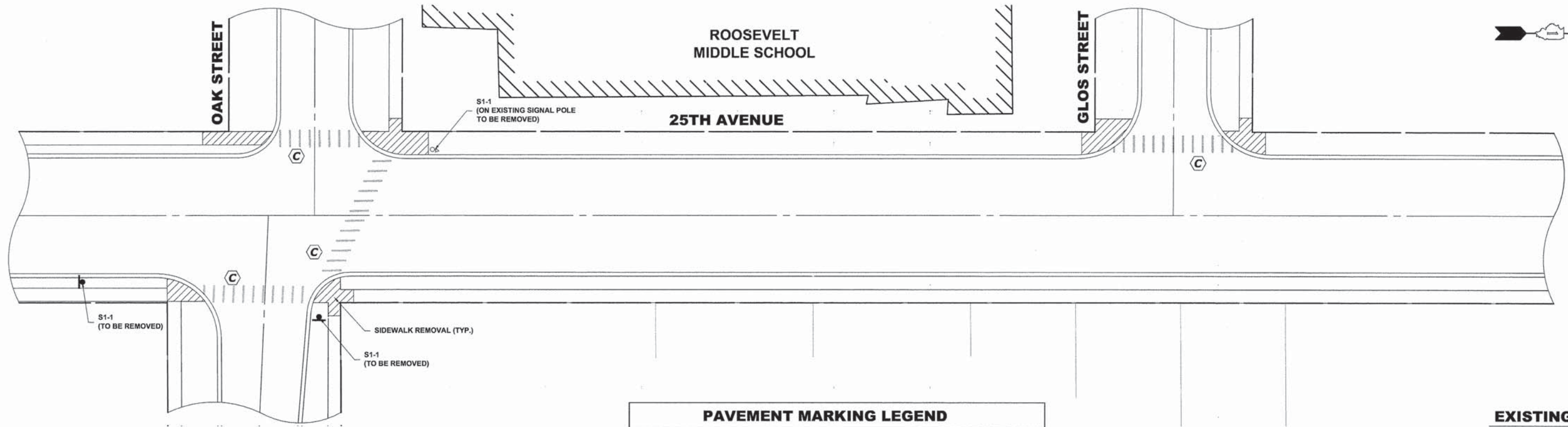
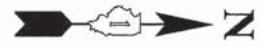
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MCKINLEY ELEMENTARY SCHOOL
 IMPROVEMENTS

SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. - TO STA. -

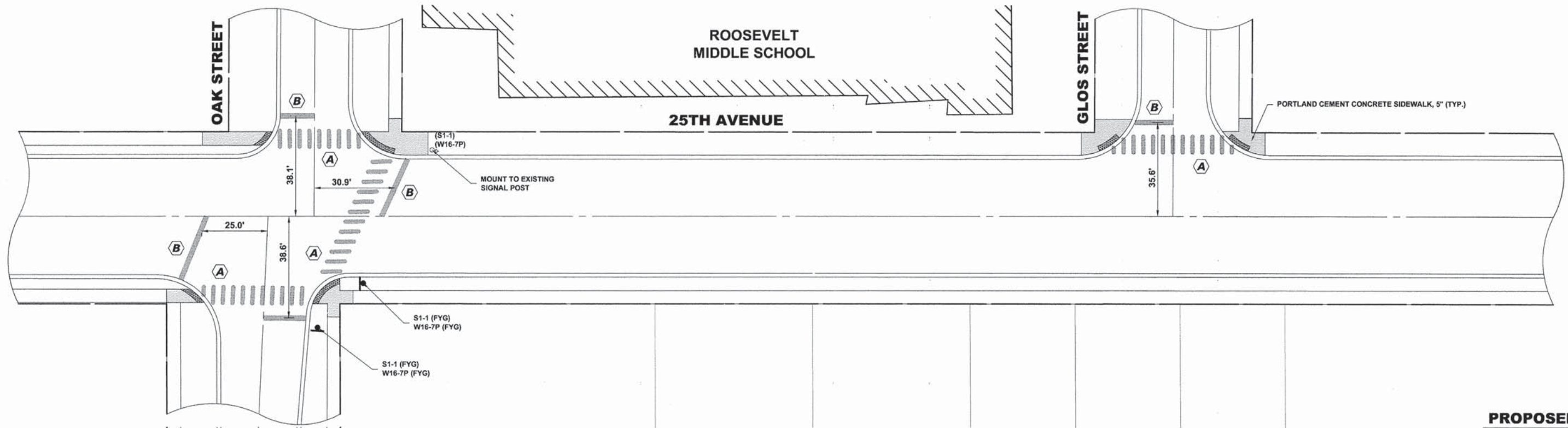
| | | | | |
|-----------------------|----------------|--------------------|------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| --- | 12-00143-00-SW | COOK | 16 | 10 |
| FIELD BOOK NO. : --- | | CONTRACT NO. 61A49 | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |

E.H.E. PROJECT NO. 080-13-07902



EXISTING TOPOGRAPHY

| PAVEMENT MARKING LEGEND | |
|---|--------|
| ITEM DESCRIPTION | SYMBOL |
| THERMOPLASTIC PAVEMENT MARKING LINE 12" WHITE, SCHOOL CROSSWALK @ 36" C-C | (A) |
| THERMOPLASTIC PAVEMENT MARKING LINE 24", STOP BAR, WHITE | (B) |
| EXISTING PAVEMENT MARKINGS TO BE REMOVED | (C) |



PROPOSED IMPROVEMENTS

Drawing file: W:\Projects_by_Village\Berkwood\08013079 - Safe Routes To School\Site\Berkwood_Schools.dwg Mar 21, 2014 - 2:51pm



♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911

9933 Roosevelt Road
 Westchester, Illinois 60154-2780
 Phone: 708/965-0380
 Fax: 708/965-1312

| | | | |
|------------|----------|-----------|--|
| DESIGNED - | JGG | REVISED - | |
| DRAWN - | MK | REVISED - | |
| CHECKED - | JGG | REVISED - | |
| DATE - | 03-21-14 | REVISED - | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION






ROOSEVELT MIDDLE SCHOOL
IMPROVEMENTS

SCALE: 1" = 20' SHEET NO. 1 OF 1 SHEETS STA. - TO STA. -

| | | | | |
|-----------------------|----------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| --- | 12-00143-00-SW | COOK | 16 | 11 |
| FIELD BOOK NO. : --- | | CONTRACT NO. 61A49 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |

E.H.E. PROJECT NO. 080-13-07902

Drawing file: W:\Projects\by_village\Bellevue\08013079 - Sule Routes To School\Sign Legend.dwg Mar 24, 2014 - 10:18am

| LEGEND OF SYMBOLS | |
|---|---|
| SYMBOL | CALL-OUT |
|  | <p>S4-I100 (FYG) 24"X48"</p> <p>R2-6P 24"X18"</p> |
|  | <p>S1-1 (FYG) 24"X30"</p> |
|  | <p>W16-7P (FYG) 12"X24"</p> |
|  | <p>S5-2 24"X30"</p> |
|  | <p>R2-1 24"X30"</p> |

NOTE:
FYG - FLUORESCENT YELLOW GREEN

HANCOCK ENGINEERING

- ◆ Civil Engineers
- ◆ Municipal Consultants
- ◆ Established 1911

9933 Roosevelt Road
Wheaton, Illinois 60154-2780
Phone: 708/965-0360
Fax: 708/965-1212

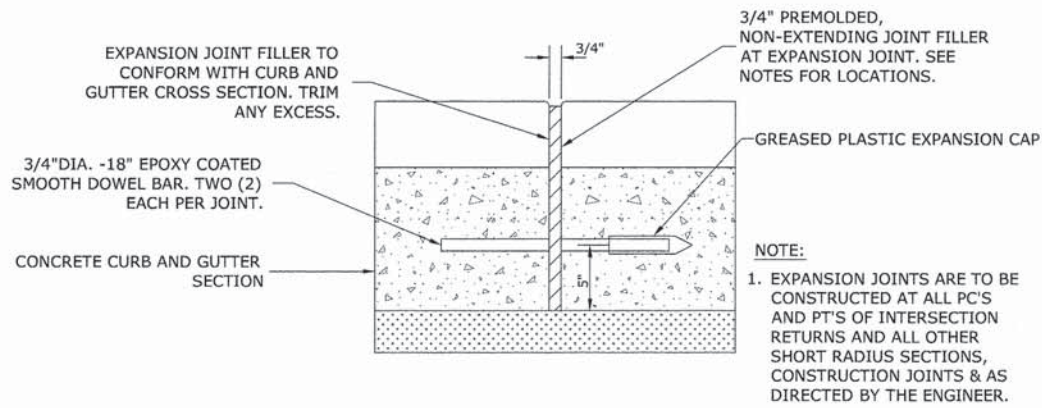
| | | | |
|------------|----------|-----------|--|
| DESIGNED - | JGG | REVISED - | |
| DRAWN - | MK | REVISED - | |
| CHECKED - | JGG | REVISED - | |
| DATE - | 03-21-14 | REVISED - | |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

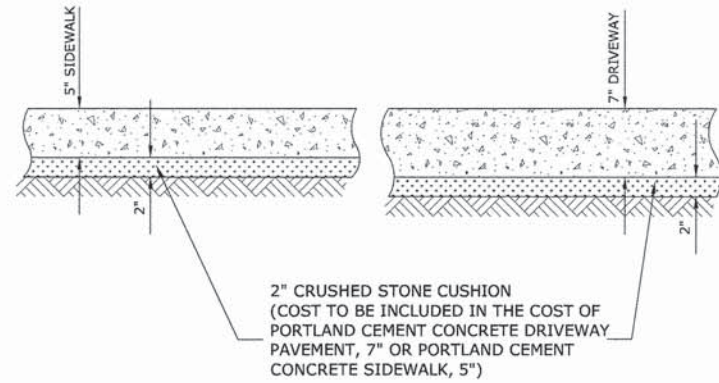
SIGNING LEGEND

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. - TO STA. -

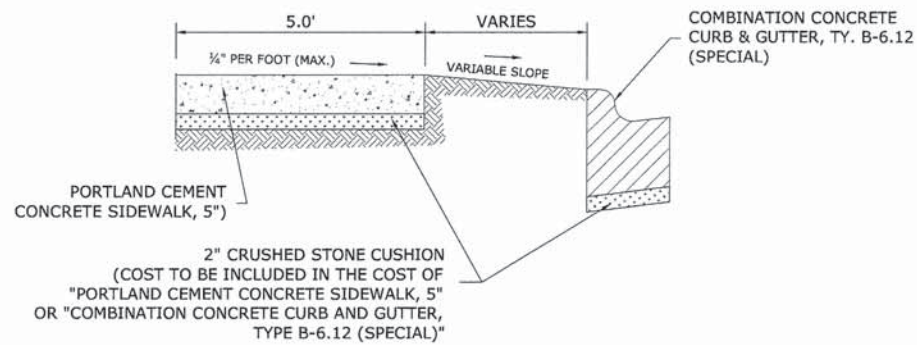
| | | | | |
|-----------------------|----------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| --- | 12-00143-00-SW | COOK | 16 | 12 |
| FIELD BOOK NO. : --- | | CONTRACT NO. 61A49 | | |
| FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT | | |



TYPICAL CURB AND GUTTER EXPANSION JOINT



TYPICAL P.C.C. SIDEWALK, DRIVEWAY



PROPOSED P.C.C. SIDEWALK AND GRASS PARKWAY

GENERAL NOTES

DEPRESSED CURBS - THE TOP OF CURBS SHALL BE DEPRESSED WHERE THE CURB AND GUTTER IS CONSTRUCTED AT HANDICAP ACCESSIBLE SIDEWALK RAMPS AT ALLEY RETURNS AND STREET INTERSECTIONS, AND FOR PRIVATE AND COMMERCIAL DRIVES AND AS DIRECTED BY THE ENGINEER

DRAINAGE OPENINGS - AT ALL LOCATIONS WHERE CASTINGS ARE TO BE INCORPORATED IN THE CURB AND GUTTER, A 3/4\"/>

DETECTABLE WARNINGS - DETECTABLE WARNINGS SHALL BE INSTALLED AT HANDICAP ACCESSIBLE SIDEWALK RAMPS, AT ALLEY RETURNS, AND STREET INTERSECTIONS. THESE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE IDOT STANDARDS.

DEPRESSED CURB HEIGHT - THE HEIGHT OF THE DEPRESSED CURB SHALL BE 1-1/2\"/>

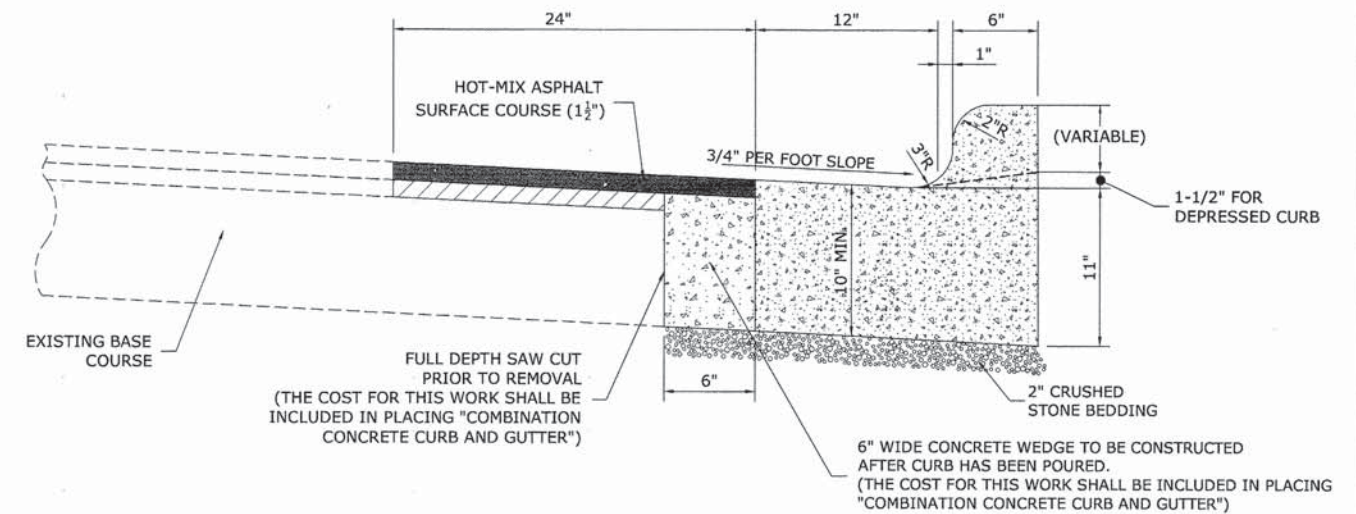
BITUMINOUS EXPANSION JOINTS - THREE QUARTER INCH (3/4\") BITUMINOUS PREMOLDED INORGANIC FIBER EXPANSION JOINTS SHALL BE INSTALLED WHERE NEW SIDEWALK OR CURB AND GUTTER OR DRIVEWAY PAVEMENT ABUTS AN EXISTING CONCRETE WALK, DRIVE, OR CURB WHICH IS TO REMAIN IN PLACE, AND AT NOT LESS THAN NINETY FOOT (90') INTERVALS AT LOCATIONS WHERE CURB REPLACEMENT IS IN EXCESS OF NINETY FEET (90'); AT RADIUS POINTS, AT BOTH SIDES OF FRAMES AND GRATES WHICH FALL IN THE CURB; AND AS DIRECTED BY THE ENGINEER.

ALL EXPANSION JOINTS LOCATED IN THE CURB AND GUTTER SHALL HAVE TWO (2) THREE QUARTER INCH (3/4\") DIAMETER, SMOOTH, ROUND, EPOXY COATED DOWEL BARS, EIGHTEEN INCHES (18\") IN LENGTH, WITH GREASED PLASTIC END CAPS INSERTED TO ALLOW THE CURB AND GUTTER TO EXPAND AND CONTRACT LATERALLY. CONTRACTION JOINTS SHALL BE TOOLED INTO THE CURB AND GUTTER AT INTERVALS NOT TO EXCEED FIFTEEN FEET (15'). THESE CONTRACTION JOINTS SHALL BE SAW CUT TO A DEPTH OF TWO INCHES (2\") WITHIN TWENTY-FOUR (24) HOURS OF CONCRETE PLACEMENT. THE COST OF THE ABOVE WORK SHALL BE INCLUDED IN THE RESPECTIVE ITEMS FOR CONCRETE INSTALLATION.

THE COSTS FOR REMOVAL OF ANY ASPHALT OVERLAY THAT EXTENDS INTO THE GUTTER PORTION OF THE CURB AND GUTTER WILL BE INCLUDED IN THE PRICE FOR COMBINATION CURB AND GUTTER REMOVAL.

THE EDWIN HANCOCK ENGINEERING COMPANY AND THE VILLAGE PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY.

CONTACT INFORMATION IS AS FOLLOWS:
 EDWIN HANCOCK ENGINEERING COMPANY: 708-865-0300
 BELLWOOD DEPARTMENT OF PUBLIC WORKS: 708-547-3540



COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12 (MODIFIED)



◆ Civil Engineers
 ◆ Municipal Consultants
 ◆ Established 1911

9933 Roseville Road
 Westchester, Illinois 60154-2790
 Phone: 708-965-8360
 Fax: 708-965-8312

| | | | |
|------------|----------|-----------|--|
| DESIGNED - | JGG | REVISED - | |
| DRAWN - | MK | REVISED - | |
| CHECKED - | JGG | REVISED - | |
| DATE - | 03-21-14 | REVISED - | |

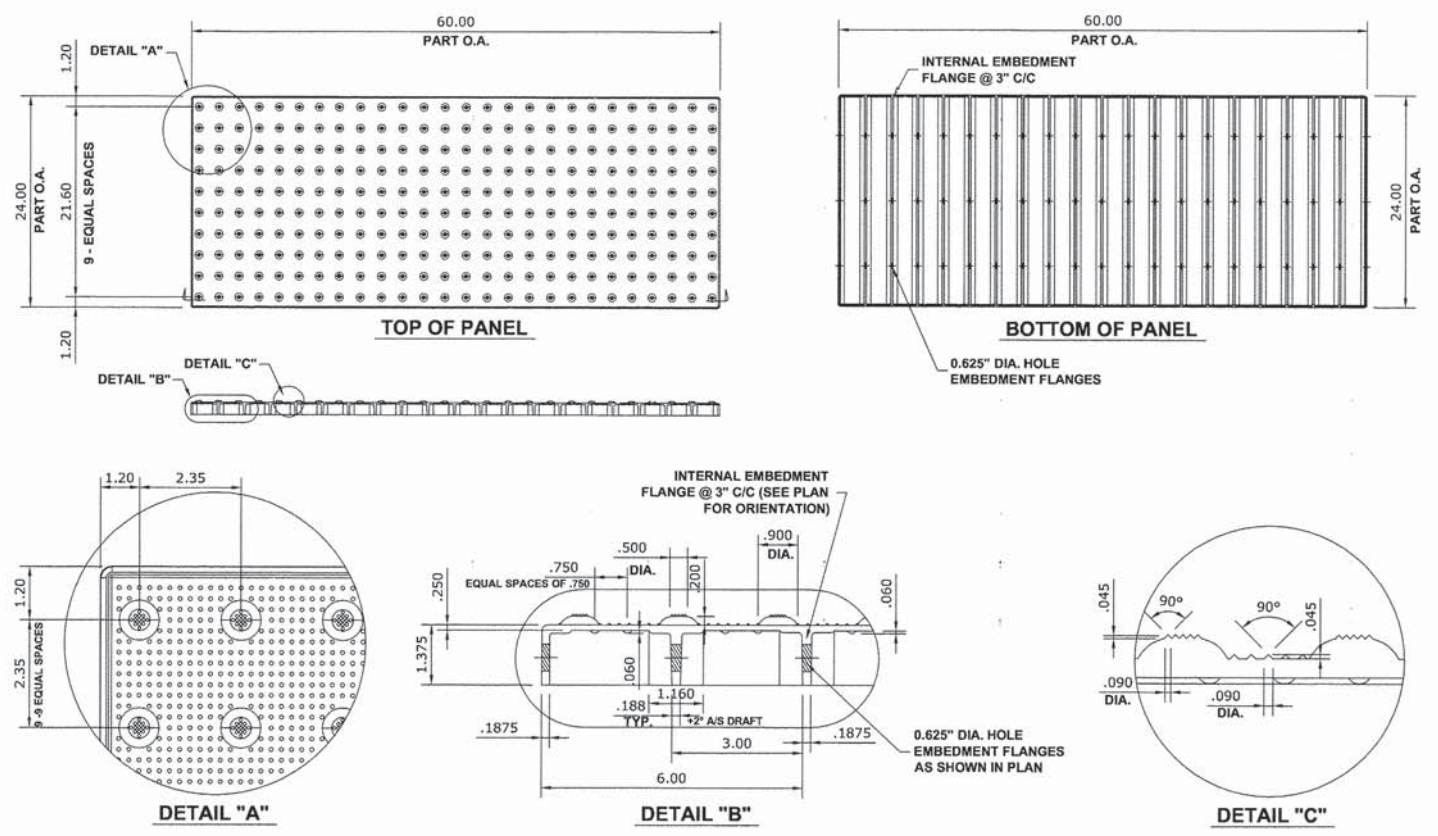
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY DETAILS

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------|----------------|--------------------|------------------|-----------|
| -- | 12-00143-00-SW | COOK | 16 | 13 |
| FIELD BOOK NO. : --- | | CONTRACT NO. 61A49 | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |

Drawing file: W:\Projects_by_Village\Bellewood\09013079 - Safe Routes to School\12-13_Roadway-Details.dwg Mar 21, 2014 - 1:48pm



**CAST-IN-PLACE COMPOSITE PAVER TILE
FOR DETECTABLE WARNING**



♦ Civil Engineers
 ♦ Municipal Consultants
 ♦ Established 1911
 9933 Rossmore Road
 Westchester, Illinois 60154-2780
 Phone: 708/965-4390
 Fax: 708/965-1212

| | | | |
|------------|----------|-----------|--|
| DESIGNED - | JGG | REVISED - | |
| DRAWN - | MK | REVISED - | |
| CHECKED - | JGG | REVISED - | |
| DATE - | 03-21-14 | REVISED - | |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

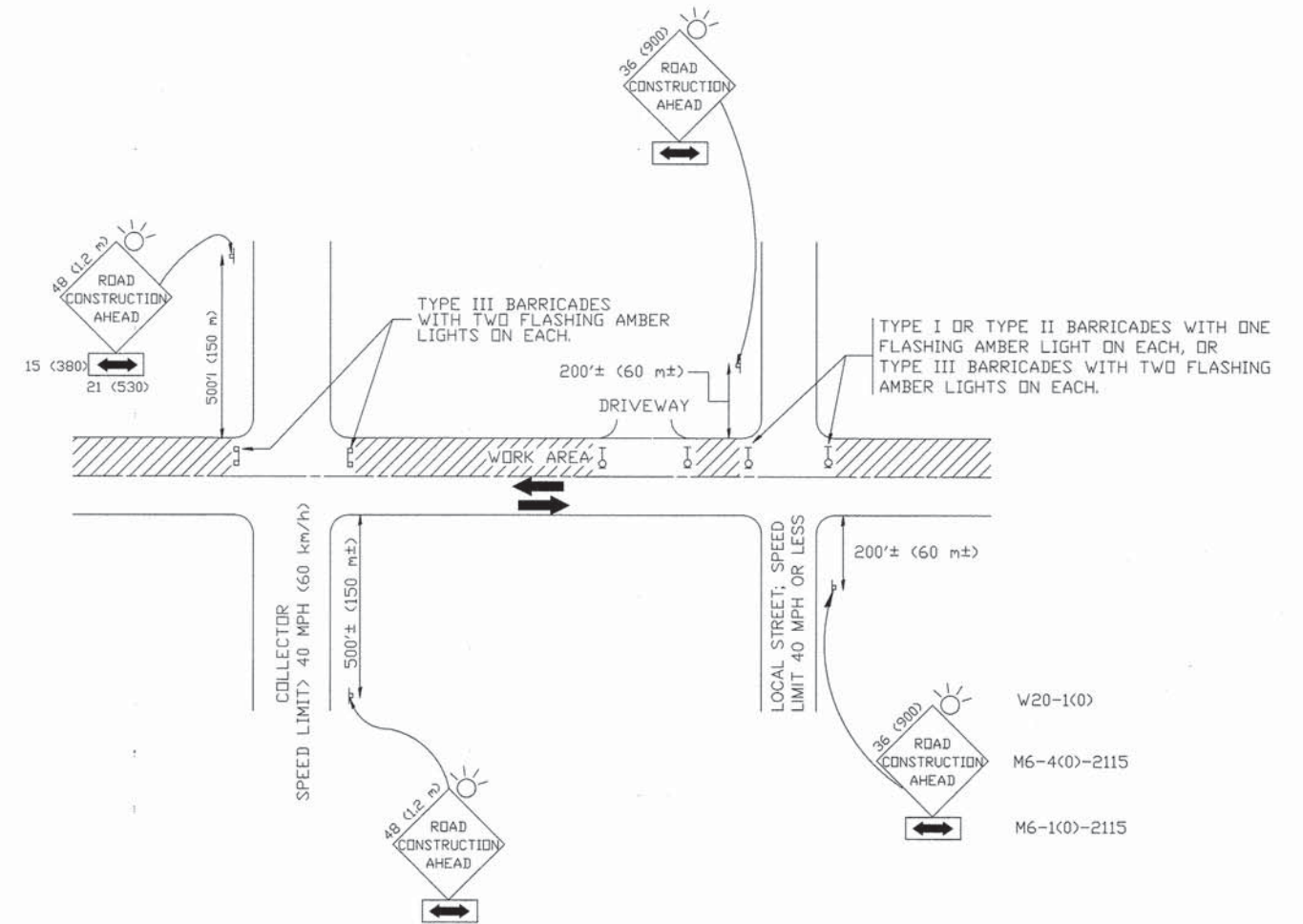
ROADWAY DETAILS

SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

| | | | | |
|-----------------------|----------------|--------------------|------------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| --- | 12-00143-00-SW | COOK | 16 | 14 |
| FIELD BOOK NO. : --- | | CONTRACT NO. 61A49 | | |
| FED. ROAD DIST. NO. 1 | | ILLINOIS | FED. AID PROJECT | |

E.H.E. PROJECT NO. 080-13-07902

Drawing file: W:\Projects_by_Village\Bilwood\06013079 - Safe Routes To School\14-TC_10.dwg Apr 08, 2014 - 9:07am



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 1. 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:
 - a) 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.
 - b) 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.
 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) 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.
 - b) 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.
 3. 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.

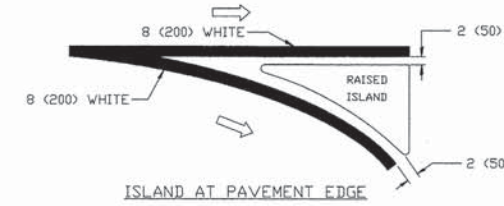
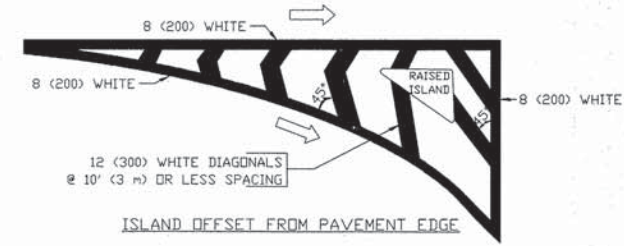
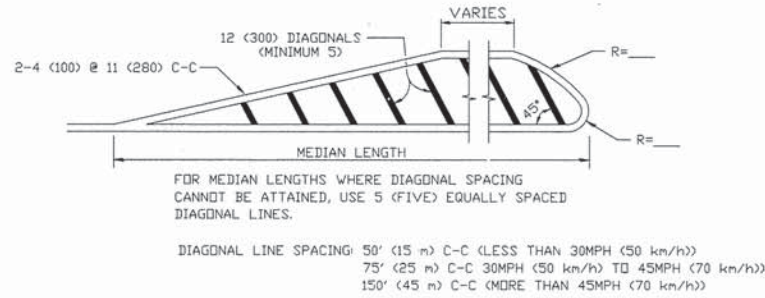
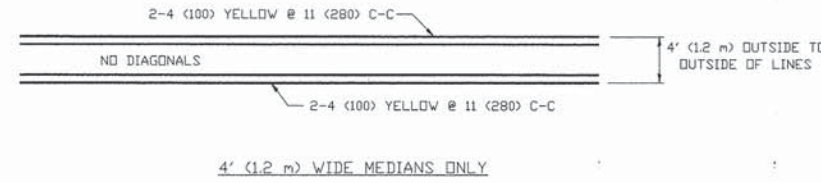
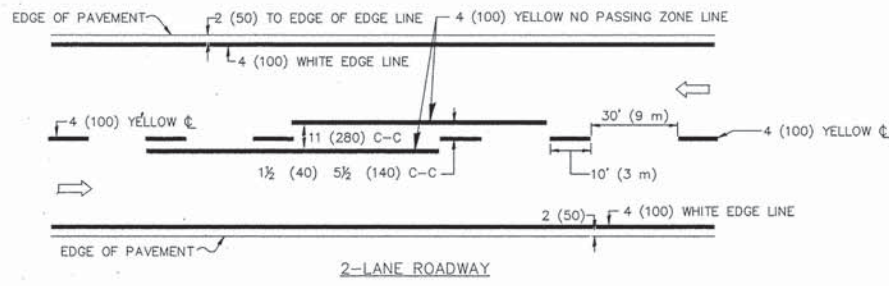
| | | |
|--------------|-----------------|----------------------------------|
| USER NAME = | DESIGNED -- LHA | REVISED -- J. OBERLE 10-18-95 |
| | DRAWN -- | REVISED -- A. HOUSEH 03-06-96 |
| PLOT SCALE = | CHECKED -- | REVISED -- A. HOUSEH 10-15-96 |
| PLOT DATE = | DATE -- 06-89 | REVISED -- T. RAMMACHER 01-06-00 |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

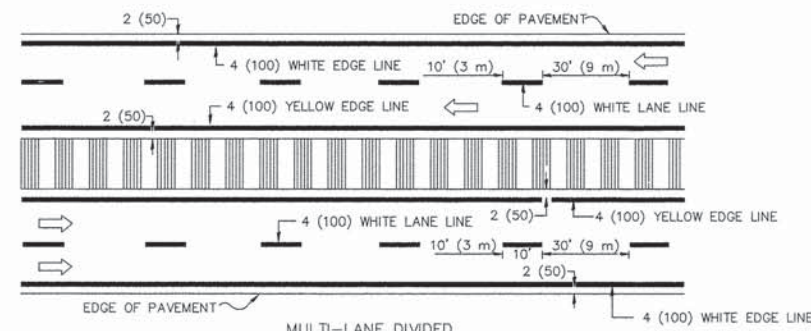
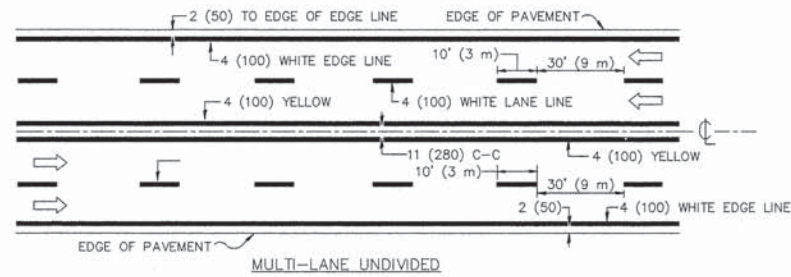
TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

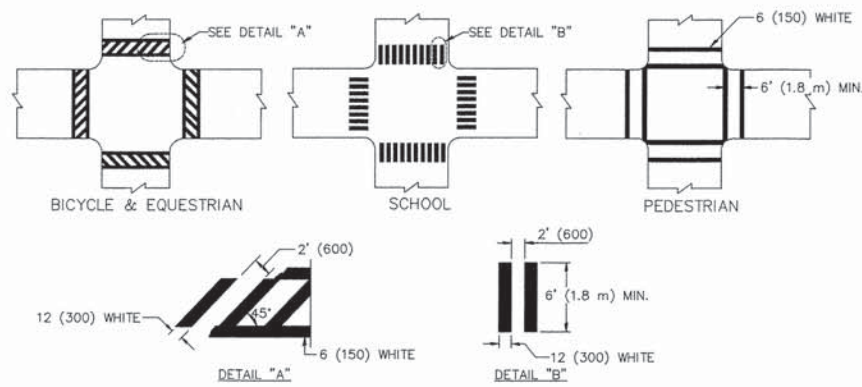
| | | | | |
|---|----------------|--------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| -- | 12-00143-00-SW | COOK | 16 | 15 |
| TC-10 | | CONTRACT NO. 61A49 | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |



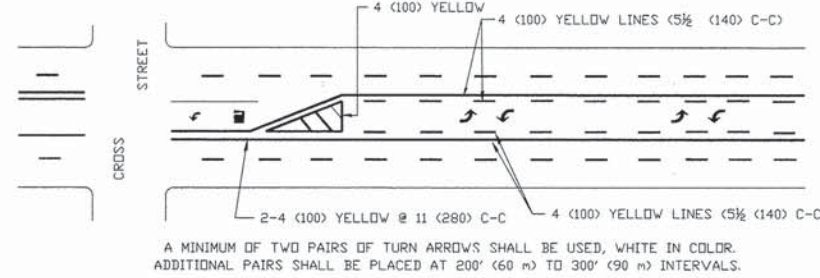
TYPICAL ISLAND MARKING



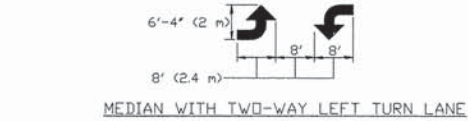
TYPICAL LANE AND EDGE LINE MARKING



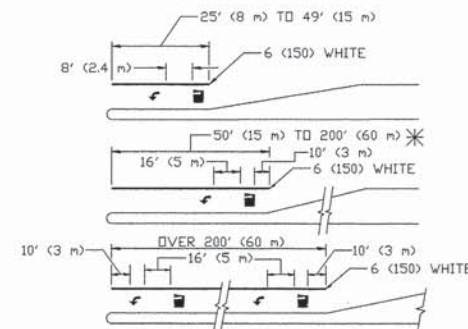
TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING



TYPICAL TURN LANE MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE MARKING

TYPICAL TURN LANE MARKING

| TYPE OF MARKING | WIDTH OF LINE | PATTERN | COLOR | SPACING / REMARKS |
|---|--|-------------------------|---|--|
| CENTERLINE ON 2 LANE PAVEMENT | 4 (100) | SKIP-DASH | YELLOW | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT | 2 @ 4 (100) | SOLID | YELLOW | 11 (280) C-C |
| NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS | 4 (100) 2 @ 4 (100) | SOLID SOLID | YELLOW YELLOW | 5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN |
| LANE LINES | 5 (125) ON FREEWAYS | SKIP-DASH SKIP-DASH | WHITE WHITE | 10' (3 m) LINE WITH 30' (9 m) SPACE |
| DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS) | SAME AS LINE BEING EXTENDED | SKIP-DASH | SAME AS LINE BEING EXTENDED | 2' (600) LINE WITH 6' (1.8 m) SPACE |
| EDGE LINES | 4 (100) | SOLID | YELLOW-LEFT WHITE-RIGHT | OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB |
| TURN LANE MARKINGS | 6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m)) | SOLID | WHITE | SEE TYPICAL TURN LANE MARKING DETAIL |
| TWO WAY LEFT TURN MARKING | 2 @ 4 (100) EACH DIRECTION | SKIP-DASH AND SOLID | YELLOW | 10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE |
| | 8' (2.4 m) LEFT ARROW | IN PAIRS | WHITE | SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL |
| CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL) | 2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90° | SOLID SOLID SOLID | WHITE WHITE WHITE | NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS. |
| STOP LINES | 24 (600) | SOLID | WHITE | PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE |
| PAINTED MEDIANS | 2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° | SOLID | YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC | 11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING. |
| GORE MARKING AND CHANNELIZING LINES | 8 (200) WITH 12 (300) DIAGONALS @ 45° | SOLID | WHITE | DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h)) |
| RAILROAD CROSSING | 24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X" | SOLID | WHITE | SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²) |
| SHOULDER DIAGONALS | 12 (300) @ 45° | SOLID | WHITE - RIGHT YELLOW - LEFT | 50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h)) |

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

| | | |
|--------------|------------------|--------------------------------|
| USER NAME = | DESIGNED - EVERS | REVISED - T.RAMMACHER 10-27-94 |
| PLOT SCALE = | CHECKED - | REVISED - C. JUCIUS 09-09-09 |
| PLOT DATE = | DATE - 03-19-90 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

| | | | | |
|--------------------------------|----------------|------------------|--------------|-----------|
| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ---- | 12-00143-00-SW | COOK | 16 | 16 |
| TC-13 | | CONTRACT NO. | 61A49 | |
| FED. ROAD DIST. NO. 1 ILLINOIS | | FED. AID PROJECT | | |