1-17-14 LETTING ITEM 027

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MS 2075	13-00125-00-PV	COOK	59	1
ILLINOIS PROJECT	-			
SECTION	-			

CONTRACT NO. 63881

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY
MS 2075 (CORNELL AVENUE)
NORTH AVENUE TO ARMITAGE AVENUE
ROADWAY RECONSTRUCTION
PROJECT M-4003(177)
SECTION 13-00125-00-PV
VILLAGE OF MELROSE PARK
COOK COUNTY
C-91-237-13

FOR INDEX OF SHEETS SEE SHEET NO. 2

LOCATION OF SECTION INDICATED THUS:

TRAFFIC DATA

2048 ADT = 3,000 VPD
POSTED SPEED LIMIT: 30 MPH
DESIGN SPEED LIMIT: 30 MPH
MINOR ARTERIAL

PROJECT LOCATED IN THE VILLAGE OF MELROSE PARK

0 10' 20' 30' SCALE: 1" = 10'

0 50' 100' SCALE: 1" = 50'

0 50' 100' SCALE: 1" = 40'

0 50' 100' SCALE: 1" = 30'

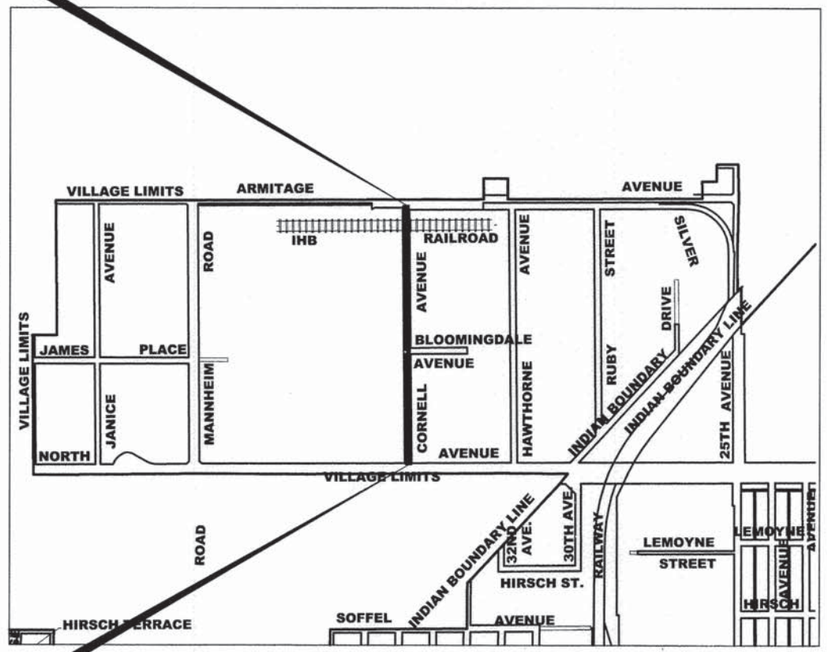
0 50' 100' SCALE: 1" = 20'

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.

PROJECT ENDS STATION 26+58 CORNELL AVENUE

LOCATION MAP

RANGE 12 EAST THIRD PRINCIPAL MERIDIAN



N (NOT TO SCALE)

MAP SCALE : NONE

LEYDEN TOWNSHIP

- AREA OF IMPROVEMENT

GROSS LENGTH OF PROJECT = 2,614 FT. = 0.495 MI.
NET LENGTH OF PROJECT = 2,614 FT. = 0.495 MI.

PROJECT BEGINS STATION 0+44 CORNELL AVENUE

STATE OF ILLINOIS
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED _____ 20 10/14/13
VILLAGE OF MELROSE PARK, PRESIDENT

PASSED October 30 2013
C.J. Holt
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW November 2013
John Fitzmaurice
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CHRIS R. BAKER
62-060784
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

DATE SIGNED: _____

LICENSE EXPIRES: 11-30-13

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

E.H.E. NO. 600-13-01801

811 Know what's below. Call before you dig.

CONTRACT NO. 63881

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E.
SCHAUMBURG, ILLINOIS PHONE: (847)705-4406

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

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INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET, LOCATION MAP
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8	ALIGNMENT AND TIES
9-14	PAVING PLAN AND PROFILE
15-16	ROADWAY DETAILS
17-23	MAINTENANCE OF TRAFFIC PLAN, STAGE CONSTRUCTION PLAN
24	DETOUR ROUTE
25-26	EROSION CONTROL PLAN
27-32	UTILITIES PLAN AND PROFILE
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36	SIGNING PLAN LEGEND AND NOTES
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44	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
45	DETOUR SIGNS FOR CLOSING STAGE HIGHWAYS (TC-21)
46	ARTERIAL ROAD INFORMATION SIGN (TC-22)
47	DRIVEWAY ENTRANCE SIGNING (TC-26)
48	BUTT JOINTS AND HMA TAPER DETAILS (BD-32)
49	LIGHT POLE FOUNDATION, METAL (BE-305)
50	MISC. ELECTRICAL DETAILS, SHEET A (BE-702)
51	DISTRICT 1- STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05)
52	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)
53-59	CROSS SECTIONS

BENCHMARKS

DATUM IS - NAV 88

BM NO.	DESCRIPTION	ELEVATION
1	CUT AT NORTH-EAST CORNER OF TRAFFIC CONTROLLER FOUNDATION NORTH-WEST CORNER OF NORTH AVE. AND CORNELL AVE. @ APPROX STA. 0+66, 62' LEFT	619.00
2	CUT AT BACK OF CURB, 5' SIDEWALK OF PC NORTH SIDE OF NAVISTAR ENTRANCE @ APPROX. STA. 5+30, 45' LEFT	618.74
3	AT CATCH BASIN RIM 30' WEST OF PC NORTH SIDE OF NAVISTAR ENTRANCE @ APPROX. STA. 5+30, 70' LEFT	618.15
4	RIM AT BACK OF WALK (PRIVATE) 3' NORTH OF LOADING DOCK AT 1975 CONNELL AVE. @ APPROX. STA. 9+34, 42' RIGHT	619.41
5	AT NORTH-WEST CORNER OF STEP FRONT ENTRANCE AT 2001 CONNELL AVE. @ APPROX. STA. 12+91, 41' RIGHT	619.83
6	TOP OF WINDOW LEDGE AT SOUTH-WEST CORNER OF BUILDING AT 2045 CONNELL AVE. @ APPROX. STA. 16+75, 44' RIGHT	620.61
7	AT NORTH-WEST CORNER OF FLAG POLE BASE AT 2045 CONNELL AVE. @ APPROX. STA. 18+15, 40' RIGHT	617.38
8	AT NORTH-WEST CORNER OF BARRIER WALL OF NORTH SIDE OF LOADING DOCKS AT 2085 CONNELL AVE. @ APPROX. STA. 21+17, 50' RIGHT	617.83
9	AT NORTH-WEST CORNER OF FLAG POLE BASE AT 2085 CONNELL AVE. @ APPROX. STA. 23+75, 38' RIGHT	617.74

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
420111-03	PCC PAVEMENT ROUNDOUTS
420501-04	PCC PAVEMENT AND PCC BASE COURSE ADJACENT TO RAILROAD GRADE CROSSING
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424026-01	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
602601-03	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-04	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OF CROSSWALK CLOSURE
701901-03	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
729001-01	APPLICATIONS OF TYPES A&B METAL POSTS
780001-04	TYPICAL PAVEMENT MARKINGS
B,L,R, 14-10	PORTLAND CEMENT CONCRETE PAVEMENT (NONREINFORCED)

LEGEND OF SYMBOLS

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

DESCRIPTION	EXISTING	PROPOSED	DESCRIPTION
MAILBOX TO BE RELOCATED			STORM SEWER PIPE
POWER POLE			COMBINATION SEWER PIPE
GAS VALVE			SANITARY SEWER PIPE
STREET LIGHT POLE			COMCAST LINE
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			
EXISTING STRUCTURE TO BE REMOVED	627.75 / 620.50	627.75 / 620.50	WATER MAIN VALVE VAULT RIM AND TOP OF PIPE ELEVATION
EXISTING STRUCTURE TO BE FILLED	627.75 / 620.50	627.75 / 620.50	COMBINATION MANHOLE RIM AND INVERT ELEVATION
TREE TO BE REMOVED			
BUSH	627.75 / 620.50	627.75 / 620.50	STORM SEWER MANHOLE/CATCHBASIN RIM AND INVERT ELEVATION
TREE			
EXISTING CURB AND GUTTER TO BE REMOVED		A	STRUCTURE TO BE ADJUSTED
EARTH EXCAVATION		1C	TYPE 1 FRAME & CLOSED LID
EXISTING CONCRETE SIDEWALK TO BE REMOVED		1P	TYPE 1 FRAME & OPEN LID
EXISTING CONCRETE DRIVEWAY TO BE REMOVED	643.90 ×	632.25 ×	RECONSTRUCT EXISTING STRUCTURE / GROUND ELEVATIONS
HOT-MIX ASPHALT SURFACE REMOVAL- BUTT JOINT		CB SP	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE I FRAME, OPEN LID, SPECIAL
COMBINATION SEWER PIPE TO BE REMOVED		CB	CATCH BASINS, TYPE A, 4' DIAMETER, TYPE I FRAME, OPEN LID
STORM SEWER PIPE TO BE REMOVED		INL	INLETS, TYPE A, TYPE I FRAME, OPEN LID
SANITARY SEWER PIPE TO BE ABANDONED		MH	MANHOLES, TYPE A, TYPE I FRAME, CLOSED LID
STORM SEWER PIPE TO BE ABANDONED		TCCB	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID
WATER MAIN TO BE REMOVED			
RAIL ROAD GATE			

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
9933 Roosevelt Road
Westchester, Illinois 60154-2780
Phone: 708/865-0500
Fax: 708/865-1212

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

INDEX OF SHEETS, LEGEND OF SYMBOLS

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

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	2
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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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 COMMERCIAL GARBAGE FOR THOSE PROPERTIES IMPACTED BY CONSTRUCTION. 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 TRAFFIC CONTROL AND PROTECTION (SPECIAL).

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 MELROSE PARK, 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.

STORM SEWER

THE VERTICAL AND HORIZONTAL CLEARANCES BETWEEN WATER MAINS AND PROPOSED OR EXISTING STORM SEWERS SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 41-1.02A THROUGH 41-1.02D OF THE "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS".

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 AT 1002 N. 27TH AVENUE, MELROSE PARK, IL.

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 DRIVEWAYS 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.

OPEN EXCAVATION

THE CONTRACTOR WILL NOT BE ALLOWED TO LEAVE EXCAVATIONS OPEN OVERNIGHT. 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.

"THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION."

MAINTENANCE OF SEWER FLOWS

THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS TO MAINTAIN AT ALL TIMES FLOWS THROUGH EXISTING STORM AND SANITARY 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 AT 1002 N. 27TH AVENUE, MELROSE PARK, IL.

SHEETING OR SHORING

ANY SHEETING OR SHORING REQUIRED FOR THE STORM SEWER INSTALLATION OR OTHER CONSTRUCTION ELEMENTS REQUIRING RELATIVELY DEEP EXCAVATIONS, SHALL BE INCLUDED IN THE PARTICULAR PAYMENT ITEM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY SUPPLEMENTAL WORK ASSOCIATED WITH THE MAINTENANCE OF TRENCH SIDES OR OTHER EXCAVATED AREAS.

MAINTENANCE OF EXISTING DRAINAGE STRUCTURES

ANY LOOSE MATERIAL THAT IS DEPOSITED IN THE FLOW LINE OF GUTTERS OR DRAINAGE STRUCTURE THAT INHIBITS THE NATURAL FLOW OF WATER 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. THE ONLY SAW-CUTTING THAT WILL BE PAID FOR SEPARATELY IS THE SAW-CUT NEEDED LONGITUDINALLY ALONG CORNELL AVENUE AS DESCRIBED IN SPECIAL PROVISIONS.

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 WHETHER ANY CONFLICTS EXISTS.

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 1002 N. 27TH AVENUE, MELROSE PARK, IL.

NOTIFICATION OF RESIDENTS

THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING WRITTEN NOTICE TO ALL RESIDENCES AND/OR PLACES OF BUSINESS IN THE WORK ZONE AT LEAST ONE (1) WORKING DAY PRIOR TO PERFORMING ANY CONSTRUCTION ACTIVITY THAT WILL IMPACT ACCESS TO THEIR PROPERTY. THE WRITTEN NOTICE SHALL BE APPROVED BY THE ENGINEER AND COORDINATED WITH THE VILLAGE PRIOR TO THE BEGINNING OF CONSTRUCTION.

NOTE

THE CONTRACTOR SHALL NOTIFY THE IDOT TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

TRAFFIC PROTECTION

WHEN WORK COMMENCES, THE CONTRACTOR SHALL ASSUME THE MAINTENANCE OF ALL 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. ALL UNBALLASTED TYPE I & TYPE II BARRICADES SHALL HAVE TWO SANDBAGS ONE ACROSS EACH BOTTOM RAIL.

SOILS REPORT

A SOILS REPORT HAS BEEN PREPARED CONTAINING CERTAIN INFORMATION RELATING TO GENERAL SOIL CONDITIONS TO BE ENCOUNTERED ALONG THE ROUTE OF THE WORK. THE CONTRACTOR WILL BE PERMITTED TO EXAMINE THIS INFORMATION AND DETERMINE ITS VALUE. ANY ADDITIONAL BORINGS DEEMED NECESSARY BY THE CONTRACTOR SHALL BE MADE AT HIS OWN EXPENSE. THE REPORT CAN BE REVIEWED AT THE OFFICE OF HANCOCK ENGINEERING AT 9933 ROOSEVELT ROAD, WESTCHESTER, IL 60154.

PLUGGING EXISTING SEWERS AND DRAINS

UNLESS OTHERWISE SPECIFIED, ABANDONED SEWERS AND DRAINS, AS DESIGNATED BY THE ENGINEER, SHALL BE PLUGGED AT BOTH ENDS WITH A MINIMUM OF TWO (2) FOOT LONG NON-SHRINK/MORTAR PLUG. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE PAY ITEMS FOR REMOVING AND/OR FILLING THE VARIOUS TYPES OF STRUCTURES.

UNDERCUT AND AGGREGATE SUBGRADE IMPROVEMENT

A QUANTITY OF AGGREGATE SUBGRADE IMPROVEMENT AND SUBGRADE REMOVAL HAVE BEEN PROVIDED FOR USE IF THE EXISTING SOILS ARE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH IMPROVED SUBGRADE WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHALL BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED AS DETERMINED BY THE ENGINEER. IF UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE SPECIFIC QUANTITY OF AGGREGATE SUBGRADE IMPROVEMENT WILL REMAIN UNUSED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR. THE 3-INCH CAPPING AGGREGATE (CA-6 GRADATION) WILL NOT BE REQUIRED SINCE GRANULAR SUBBASE WILL BE PLACED ON TOP OF THE AGGREGATE SUBGRADE IMPROVEMENT.

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.

BACKFILLING SEWERS UNDER ROADWAY

FOR SEWERS UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE (JETTING) AS DESCRIBED IN ARTICLE 550.07 WILL NOT BE ALLOWED.

RAILROAD FLAGGERS

IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE INDIANA HARBOR BELT (IHB) RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE IHB RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.

CONCRETE BREAKERS

WHEN REMOVING PAVEMENT, CURB AND GUTTER, SHOULDER, AND/OR ANY OTHER STRUCTURES, THE USE OF ANY TYPE OF CONCRETE BREAKERS SUCH AS DROP HAMMERS, WHICH MIGHT DAMAGE UNDERGROUND PUBLIC OR PRIVATE UTILITIES, WILL NOT BE PERMITTED. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL BE PERMITTED.

ROUNDOUTS

STRUCTURES WHICH LIE IN THE PCC PAVEMENT MUST BE ADJUSTED TO FINAL GRADE AND PREPARED WITH "ROUNDOUTS" IN ACCORDANCE WITH STANDARD 420111-03 PRIOR TO THE CONSTRUCTION OF THE PAVEMENT. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE NEW, RECONSTRUCTED OR ADJUSTED STRUCTURE.

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DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

GENERAL NOTES

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

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	3
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

Drawing file: W:\Projects_by_Village\Melrose Park\60013018 - Cornell Ave Reconstr - Design\03_Gen_Notes.dwg Oct 16, 2013 - 9:07am

SUMMARY OF QUANTITIES

		PIN	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE RECONSTRUCTION 0004 80% FEDERAL 20% LOCAL	CONSTRUCTION TYPE CODE RECONSTRUCTION 0043 0% FEDERAL 100% LOCAL
		20101100	TREE TRUNK PROTECTION	EACH	6	6	
		20101200	TREE ROOT PRUNING	EACH	6	6	
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	750	750	
		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	100	100	
		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	100	100	
		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	100	100	
		25200100	SODDING	SQ YD	4,000	4,000	
		25200200	SUPPLEMENTAL WATERING	UNIT	100	100	
~		28000510	INLET FILTERS	EACH	41	41	
~		30300001	AGGREGATE SUBGRADE IMPROVEMENT	CUYD	4,750	4,750	
		35102100	AGGREGATE BASE COURSE, TYPE B 9"	SQ YD	375	375	
		35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ YD	85	85	
		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	3,500	3,500	
		40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	250	250	
		40600300	AGGREGATE (PRIME COAT)	TON	20	20	
~		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	715	715	
		40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	95	95	
		40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	60	60	
~		40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	85	85	
~		42000401	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SQ YD	10,500	10,500	
~		42000900	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	375	375	
~		42001000	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 9"	SQ YD	1,500	1,500	
~		42001300	PROTECTIVE COAT	SQ YD	16,500	16,500	
~		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	350	350	
~		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	36,500	36,500	
~		42400800	DETECTABLE WARNINGS	SQ FT	330	330	
		44000100	PAVEMENT REMOVAL	SQ YD	85	85	
~		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2,000	2,000	
~		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5,800	5,800	
~		44000600	SIDEWALK REMOVAL	SQ FT	10,500	10,500	
~		550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	29	29	
~		550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	176	176	
~		550A2350	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 21"	FOOT	6	6	
~		550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	279	279	
~		550A2410	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 42"	FOOT	1,184	1,184	
~		550A2440	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 60"	FOOT	30	30	
~		550A2530	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 15"	FOOT	36	36	
~		550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	27	27	
~		550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	241	241	
~		550A2580	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 30"	FOOT	361	361	
~		550A2600	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	FOOT	265	265	
~		550B2320	STORM SEWERS, RUBBER GASKET, CLASS B, TYPE 1 12"	FOOT	627	627	
~	*	56102900	DUCTILE IRON WATER MAIN 4"	FOOT	50		50
~	*	56103000	DUCTILE IRON WATER MAIN 6"	FOOT	225		225
~	*	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	150		150
~	*	56103300	DUCTILE IRON WATER MAIN 12"	FOOT	2,650		2,650
~	*	56103500	DUCTILE IRON WATER MAIN 18"	FOOT	25		25
	*	56104800	WATER VALVES 4"	EACH	3		3
~	*	56104900	WATER VALVES 6"	EACH	1		1
~	*	56105000	WATER VALVES 8"	FOOT	7		7
~	*	56105200	WATER VALVES 12"	FOOT	6		6
~	*	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	8	8	
~	*	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	9	9	
~		60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	150	150	
~		60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	14	14	
~		60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	1	1	
~		60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	7	7	
~		60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	9	9	
~		60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	12	12	
~	*	60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	11		11
~	*	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6		6
~		60255500	MANHOLES TO BE ADJUSTED	EACH	10	10	
~		60257900	MANHOLES TO BE RECONSTRUCTED	EACH	5	5	
~		60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	2	2	
~		60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	15	15	

~ DENOTES SPECIAL PROVISION HAS BEEN PROVIDED
* DENOTES SPECIALTY ITEM

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DATE -	10-15-13

REVISED -
REVISED -
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

SUMMARY OF QUANTITIES

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

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	4
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

Drawing file: W:\Projects_by_Village\Melrose Park\60013018 - Cornell Ave Reconstr - Design\04-DS_Sum_of_Qtys .dwg Oct 29, 2013 - 2:13pm

SUMMARY OF QUANTITIES

		PIN	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE RECONSTRUCTION 0004 80% FEDERAL 20% LOCAL	CONSTRUCTION TYPE CODE RECONSTRUCTION 0043 0% FEDERAL 100% LOCAL
~		60604100	COMBINATION CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	2,500	2,500	
~	*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	495	495	
	*	66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1	
	*	66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
		67100100	MOBILIZATION	L SUM	1	1	
		70106800	CHANGEABLE MESSAGE SIGN	CAL MO	6	6	
		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	10,000	10,000	
		70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2,500	2,500	
	*	72000100	SIGN PANEL - TYPE 1	SQ FT	100	100	
	*	72900100	METAL POST - TYPE A	FOOT	350	350	
	*	78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	150	150	
	*	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	5,600	5,600	
	*	78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	400	400	
	*	78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	100	100	
	*	81603040	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	2,400	2,400	
	*	83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	17	17	
	*	84200804	REMOVAL OF POLE FOUNDATION	EACH	17	17	
	*	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	17	17	
~	*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
~	*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	400	400	
~	*	89502200	MODIFY EXISTING CONTROLLER	EACH	1	1	
~		X0322719	TEMPORARY DRAINAGE CONNECTION	EACH	8	8	
~		X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	2	2	
~		X0323117	LANDSCAPING GRAVEL	SQ YD	100	100	
~		X0325143	FILLING EXISTING VAULT	EACH	9	9	
~		X0325607	GROUND STABILIZATION GEOSYNTHETIC	SQ YD	12,000	12,000	
~		X0326275	RAILROAD RIGHT-OF-WAY ENTRY PERMIT	EACH	1	1	
~	★	X0327203	CASING PIPE, OPEN CUT, 24" STEEL	FOOT	15		15
~		X0811100	RAILROAD CROSSING	L SUM	1	1	
~		X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	5,898	5,898	
~	★	X2080250	TRENCH BACKFILL, SPECIAL	CU YD	1,850	1,200	650

		PIN	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE RECONSTRUCTION 0004 80% FEDERAL 20% LOCAL	CONSTRUCTION TYPE CODE RECONSTRUCTION 0043 0% FEDERAL 100% LOCAL
~		X2110104	TOPSOIL FURNISH AND PLACE, 4" (SPECIAL)	SQ YD	4,000	4,000	
~		X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	500	500	
~		X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	18	18	
~		X4023000	TEMPORARY ACCESS (ROAD)	EACH	1	1	
~		X5510100	STORM SEWER REMOVAL	FOOT	850	850	
~	*	X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	4,500		4,500
~	★	X5630712	CONNECTION TO EXISTING WATER MAIN 12"	EACH	1		1
~		X6022805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID, SPECIAL	EACH	7	7	
~		X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	3,250	3,250	
~		X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
~	*	X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	5	5	
~		Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	12	12	
~		Z0019600	DUST CONTROL WATERING	UNIT	125	125	
~		Z0023200	FILLING DRAINAGE STRUCTURES	EACH	23	23	
~		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52	
~	*	Z0044298	PRESSURE CONNECTION TO EXISTING WATER MAIN	EACH	1		1
~		Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
~		Z0048900	RAILROAD TRACK REMOVAL	FOOT	45	45	
~		Z0062000	SAW CUTTING	FOOT	5,200	5,200	
~		Z0062456	TEMPORARY PAVEMENT	SQ YD	350	350	
~	★	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1	
~	*	XX000836	PRESSURE TESTING AND DISINFECTION	L SUM	1		1
~	*	XX006227	RESTRAINED JOINT 8"	EACH	40		40
~	*	XX006228	RESTRAINED JOINT 6"	EACH	30		30
~	*	XX0089/3	RESTRAINED JOINT 4"	EACH	20		20
~	*	XX0089/4	RESTRAINED JOINT 12"	EACH	75		75
~	△	Z0076600	TRAINEES	HOUR	1,000		
~	△	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,000		

~ DENOTES SPECIAL PROVISION HAS BEEN PROVIDED
* DENOTES SPECIALTY ITEM
△ 0042

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DATE -	10-15-13	REVISED -	

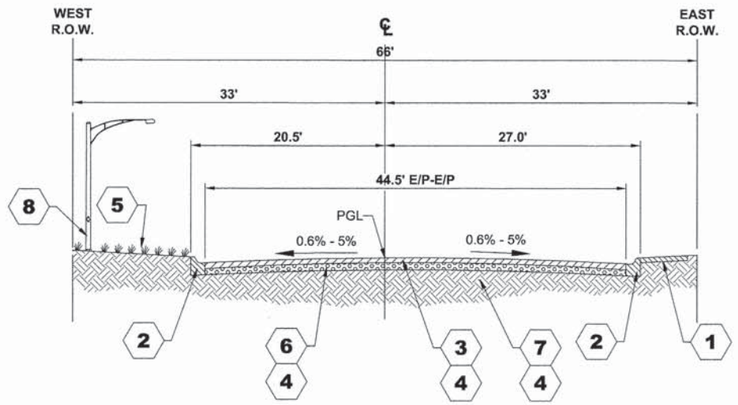
STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

SUMMARY OF QUANTITIES

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

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	5
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801



EXISTING TYPICAL SECTION

CORNELL AVENUE
(STA. 0+44 TO STA. 26+58)

TYPICAL CROSS SECTION LEGEND

EXISTING

1. PORTLAND CEMENT CONCRETE SIDEWALK REMOVAL
2. COMBINATION CURB AND GUTTER REMOVAL (TYPE B-6.12)
3. HOT-MIX ASPHALT BINDER & SURFACE COURSE, 3" - 5"
4. EARTH EXCAVATION (SPECIAL)
5. GRASS PARKWAY
6. CRUSHED STONE BASE COURSE, 7" - 10"
7. VARIOUS CLAY SOILS
8. EXISTING STREET LIGHTS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
INCIDENTAL HOT-MIX ASPHALT SURFACING - BUTT JOINT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" (IL 9.5mm)	4% @ 50 Gyr.
INCIDENTAL HOT-MIX ASPHALT SURFACING - HMA PARKWAYS	
HOT-MIX ASPHALT SURFACE COURSE, N50, 3" (2 LIFTS) (IL 9.5mm)	4% @ 50 Gyr.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1.5" (IL 9.5mm)	4% @ 50 Gyr.
ARMITAGE AVENUE	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1.5" (IL 9.5mm)	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 2.5"	4% @ 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 76-22" 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.

PAVEMENT CORE SUMMARY

BORE	STREET	STATION	LANE	BITUMINOUS	STONE BASE
SB-1	CORNELL	1+27, 18'RT	NORTHBOUND LANE	4"	10"
SB-2	CORNELL	3+52, 5'LT	SOUTHBOUND LANE	4"	7"
SB-3	CORNELL	6+97, 5'RT	NORTHBOUND LANE	4"	7"
SB-4	CORNELL	9+32, 12'LT	SOUTHBOUND LANE	4"	7"
SB-5	CORNELL	12+27, 17'RT	NORTHBOUND LANE	3"	9"
SB-6	CORNELL	14+12, 5'RT	NORTHBOUND LANE	3"	8"
SB-7	CORNELL	17+72, 5'LT	SOUTHBOUND LANE	4"	9"
SB-8	CORNELL	20+52, 12'LT	SOUTHBOUND LANE	4"	9"
SB-9	CORNELL	23+62, 5'RT	NORTHBOUND LANE	4"	7"
SB-10	CORNELL	26+28, 3'RT	NORTHBOUND LANE	5"	10"

NOTES:

THESE CORES REFLECT ONLY THE INFORMATION FOUND AT LOCATIONS LISTED.
THEY DO NOT REFLECT ANY VARIATIONS WHICH MAY OCCUR BETWEEN THESE BORINGS.

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STATE OF ILLINOIS
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TYPICAL SECTIONS

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

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	6
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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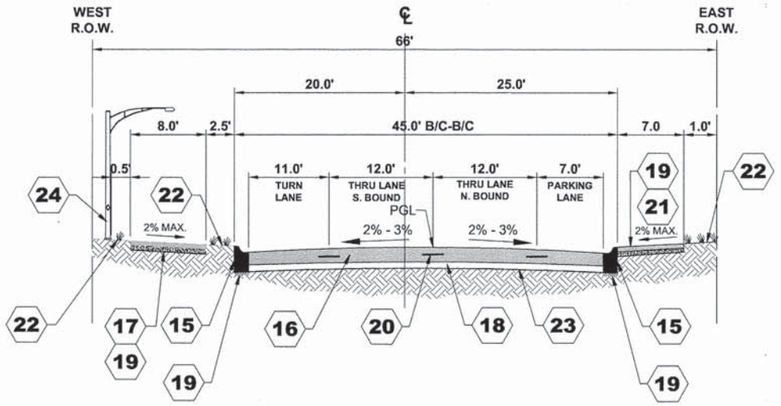
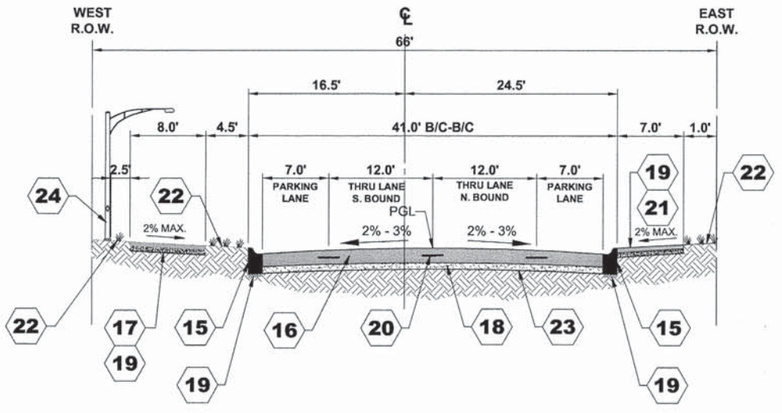


PROPOSED TYPICAL CONCRETE SECTION

CORNELL AVENUE
(STA. 0+44 TO STA. 5+31)



PROPOSED TYPICAL CONCRETE SECTION

CORNELL AVENUE
(STA. 5+31 TO STA. 26+58)

TYPICAL CROSS SECTION LEGEND

PROPOSED

15	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
16	PORTLAND CEMENT CONCRETE PAVEMENT, 9" (JOINTED)
17	PORTLAND CEMENT CONCRETE SIDEWALK, 5" (BIKE PATH)
18	AGGREGATE SUBGRADE IMPROVEMENT, 12"
19	SUBBASE GRANULAR MATERIAL, TYPE B 2" (INCLUDED IN THE COST OF ITEM)
20	TIE BARS (EPOXY COATED, ¾" DIA., 24" LONG DEFORMED TIE BARS @ 24" O.C.) (INCLUDED IN COST OF PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED))
21	PORTLAND CEMENT CONCRETE SIDEWALK, 5"
22	TOPSOIL FURNISH AND PLACE, 4" (SPECIAL) SODDING
23	GROUND STABILIZATION GEOSYNTHETIC
24	EXISTING STREET LIGHTS (PROPOSED UNDERGROUND CONDUIT)

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TYPICAL SECTIONS

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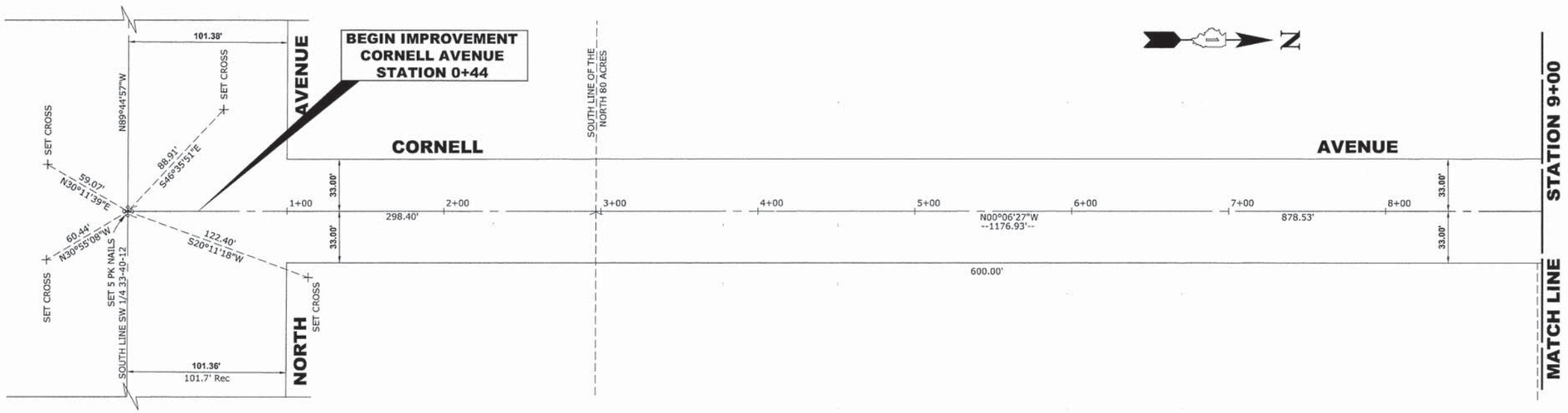
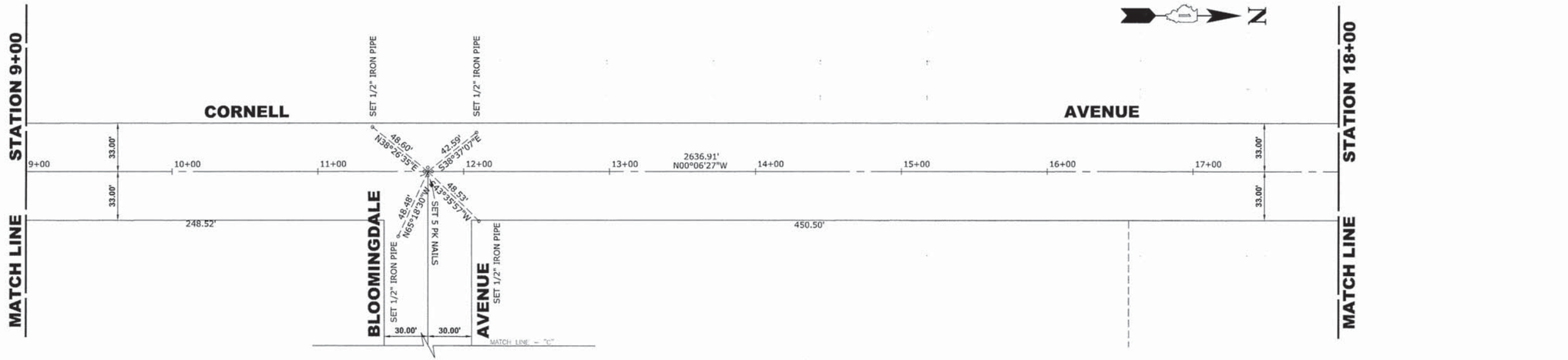
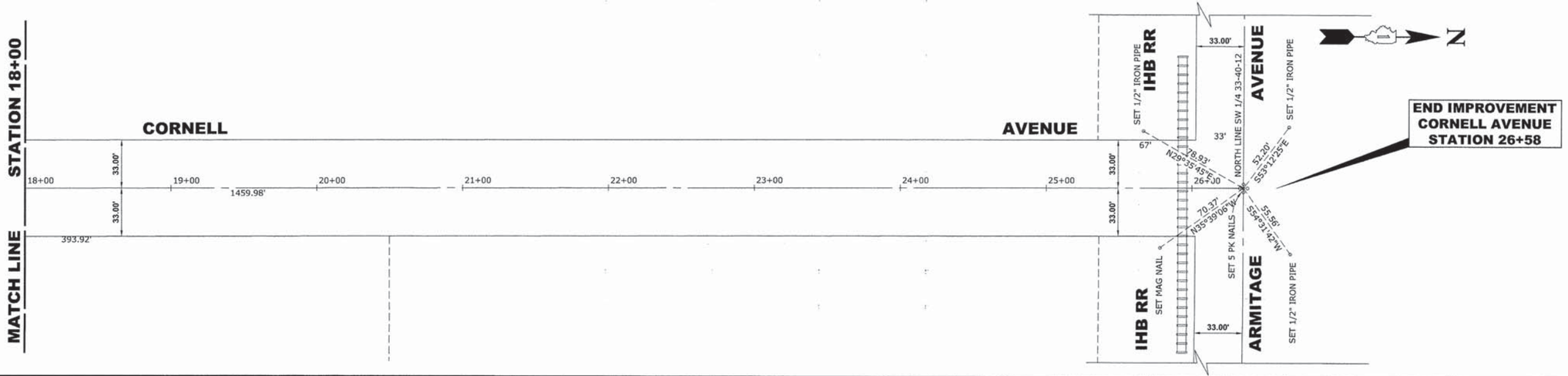






HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
9933 Roosevelt Road
Westchester, Illinois 60154-2780
Phone: 708/865-0300
Fax: 708/865-1312

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

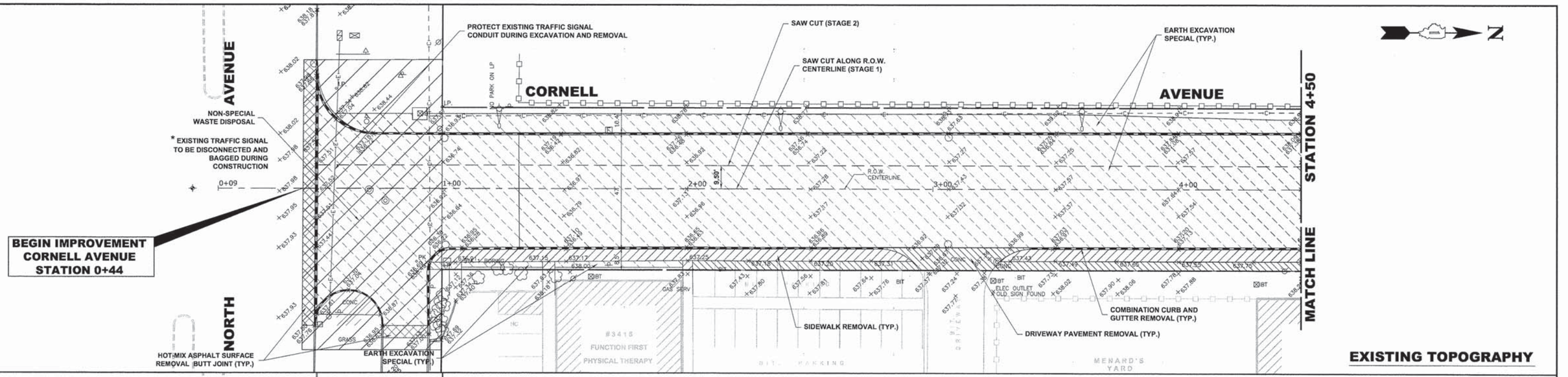
CORNELL AVENUE
ALIGNMENT AND TIES

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

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	8
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

Drawing file: W:\Projects_by_Village\Melrose Park\60013018 - Cornell Ave Reconstr - Design\08_Alignment.dwg Oct 16, 2013 - 9:09am



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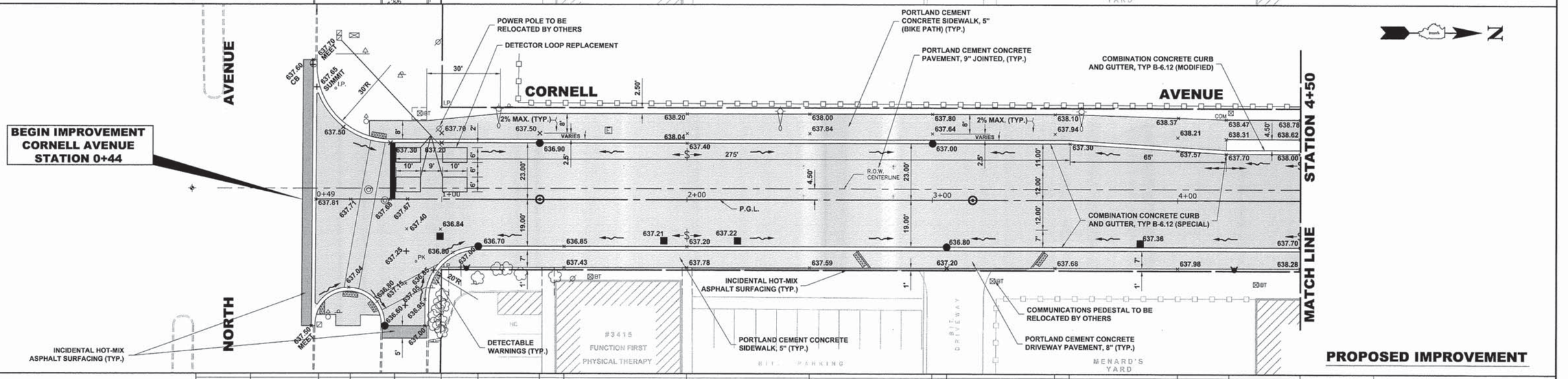

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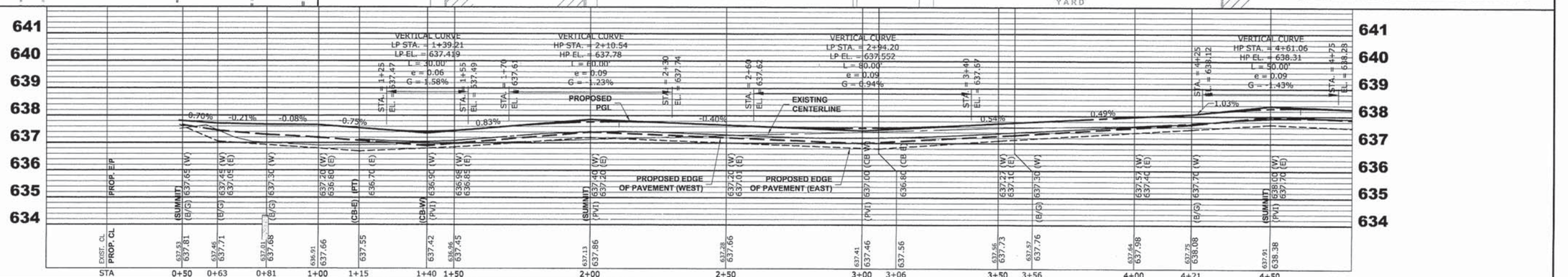

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DATE -	10-15-13	REVISED -	

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DEPARTMENT OF ILLINOIS

CORNELL AVENUE
PAVING PLAN AND PROFILE

SCALE:H:1"=20',V:1"=2' | SHEET NO. 1 OF 6 SHEETS | STA. 0+00 | TO STA. 4+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	9
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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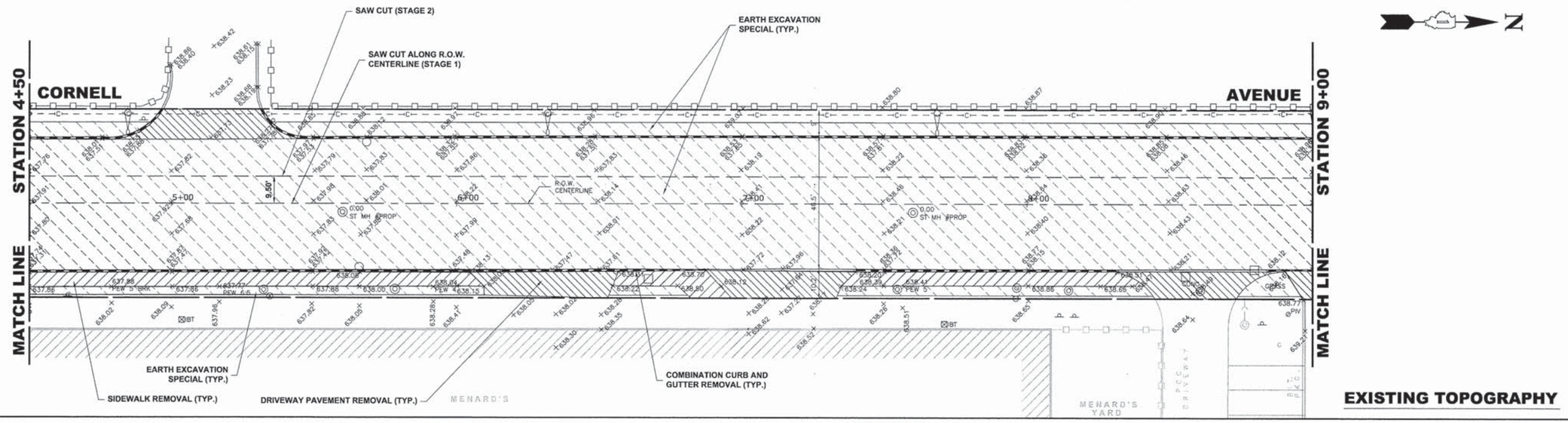

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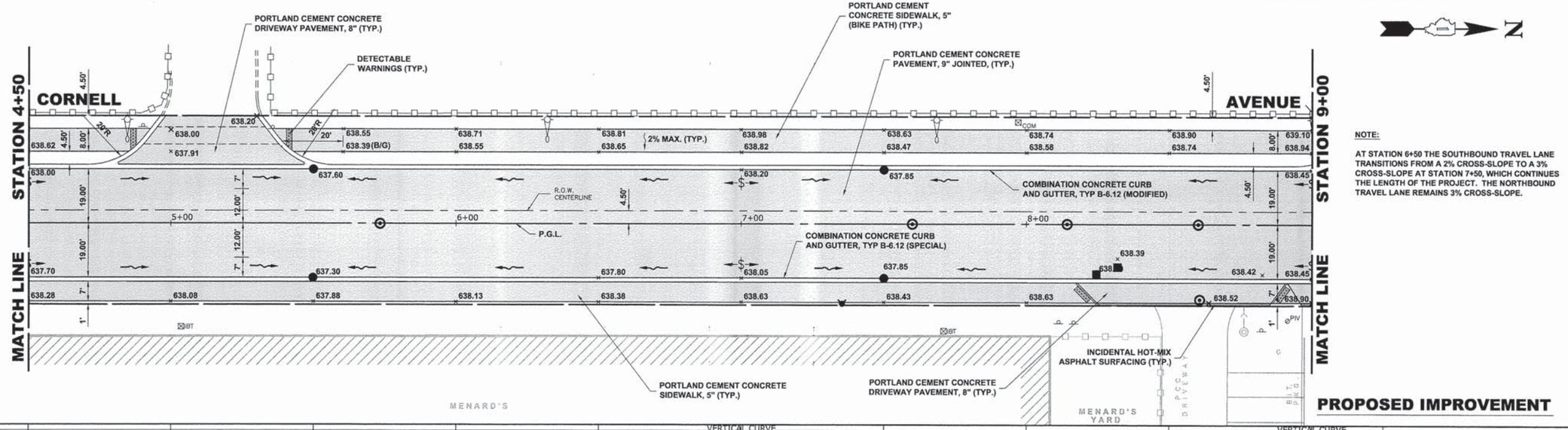
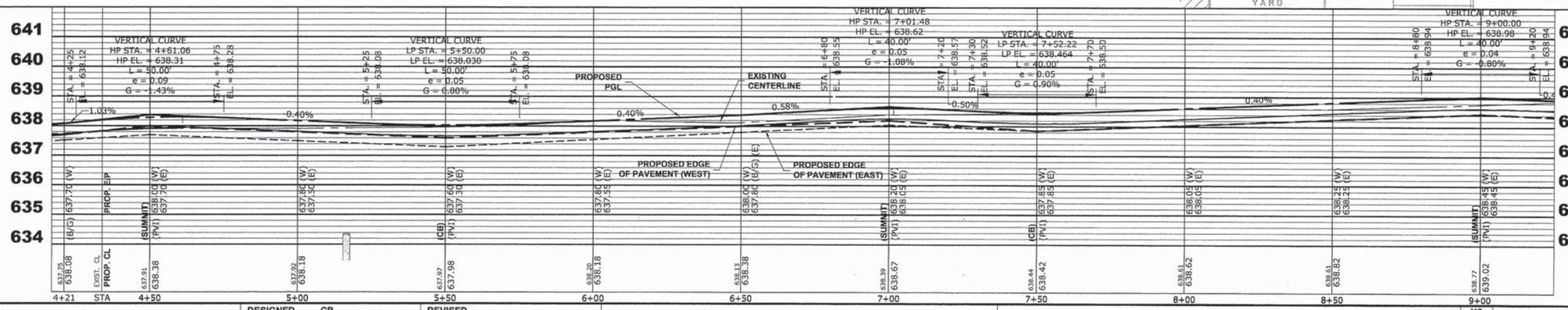


PROPOSED IMPROVEMENT

NOTE:

AT STATION 6+50 THE SOUTHBOUND TRAVEL LANE TRANSITIONS FROM A 2% CROSS-SLOPE TO A 3% CROSS-SLOPE AT STATION 7+50, WHICH CONTINUES THE LENGTH OF THE PROJECT. THE NORTHBOUND TRAVEL LANE REMAINS 3% CROSS-SLOPE.



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CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

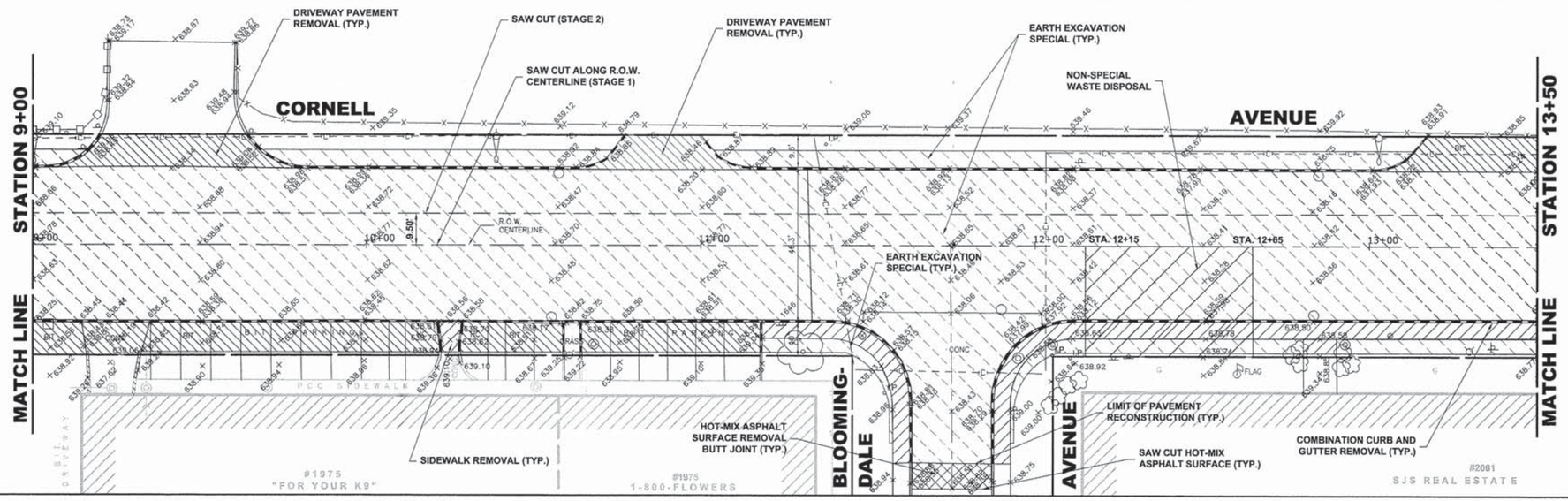
STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

CORNELL AVENUE
PAVING PLAN AND PROFILE

SCALE H:1"=20',V:1"=2' | SHEET NO. 2 OF 6 SHEETS | STA. 4+50 | TO STA. 9+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	10
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

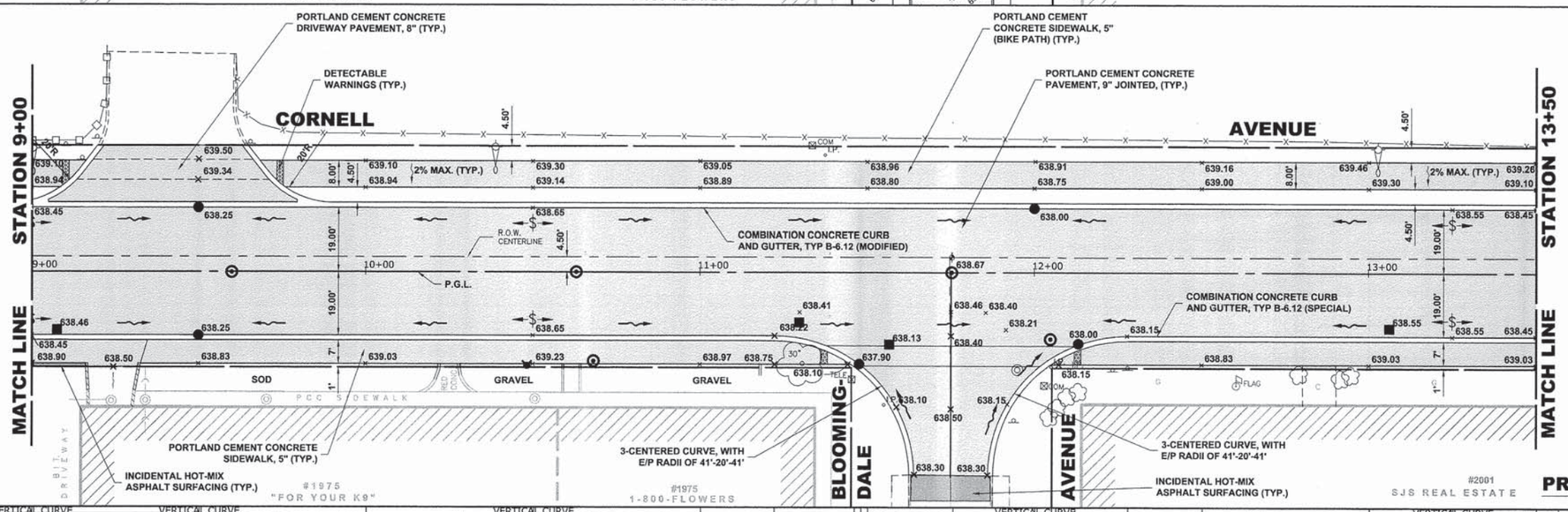


N

NOTE:

IF DURING CONSTRUCTION, IT IS FOUND THAT THE LIMITS OF NON-SPECIAL WASTE DISPOSAL HAVE CHANGED, THE QUANTITIES WILL BE MODIFIED WITH NO ADJUSTMENT TO UNIT PRICES.

EXISTING TOPOGRAPHY



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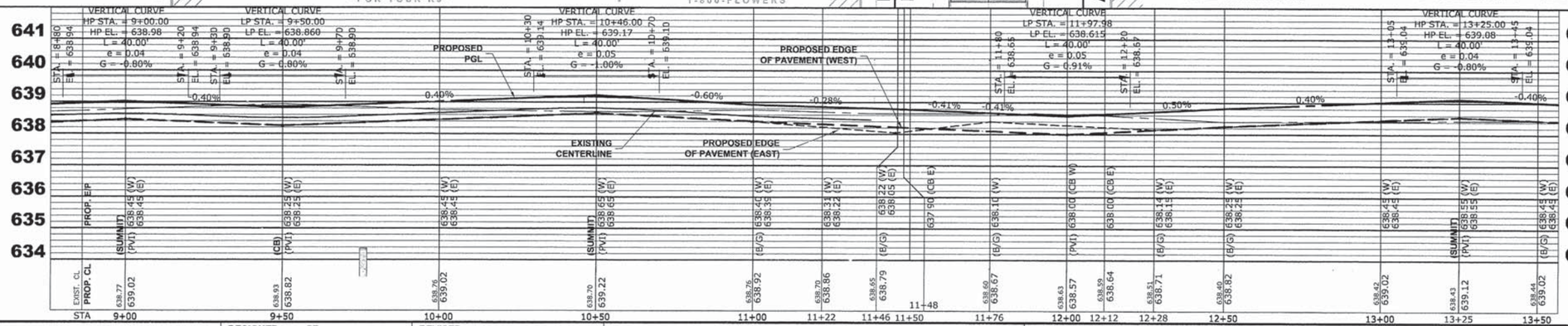
PROPOSED IMPROVEMENT



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CORNELL AVENUE
PAVING PLAN AND PROFILE

SCALE:H:1"=20',V:1"=2' | SHEET NO. 3 OF 6 SHEETS | STA. 9+00 | TO STA. 13+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	11
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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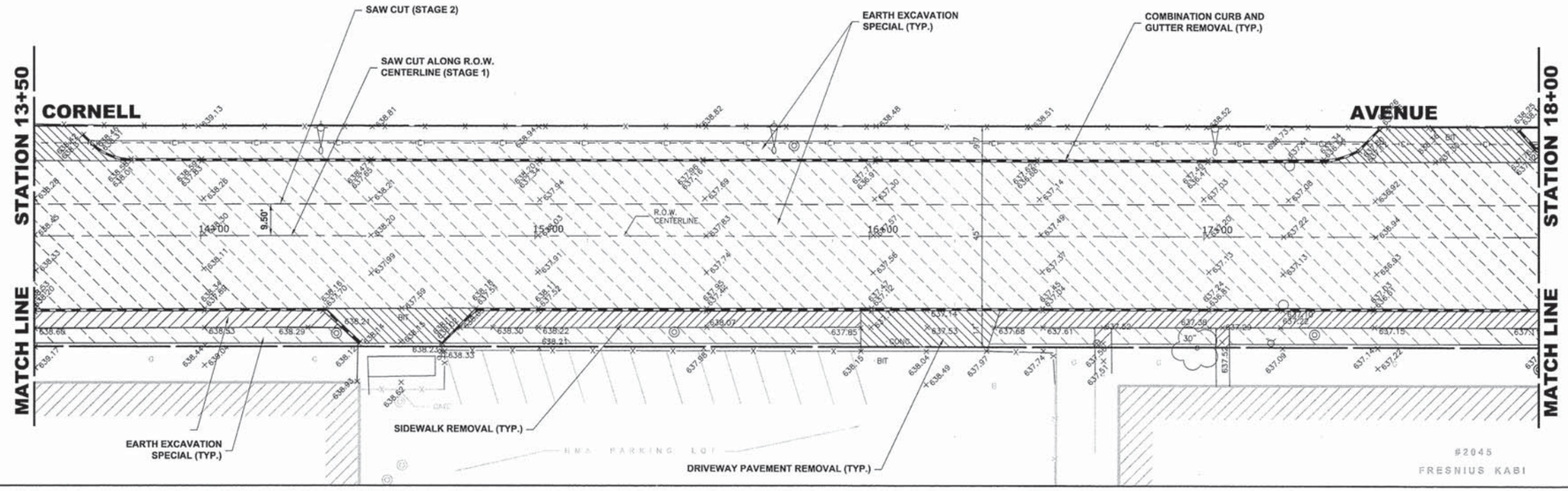

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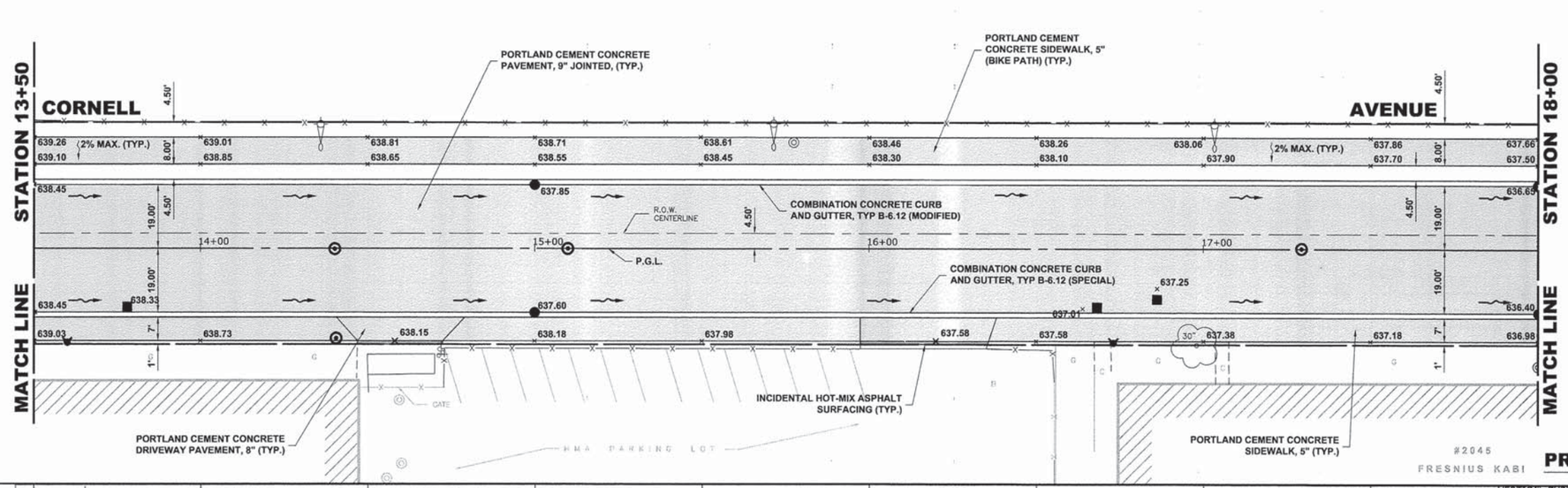

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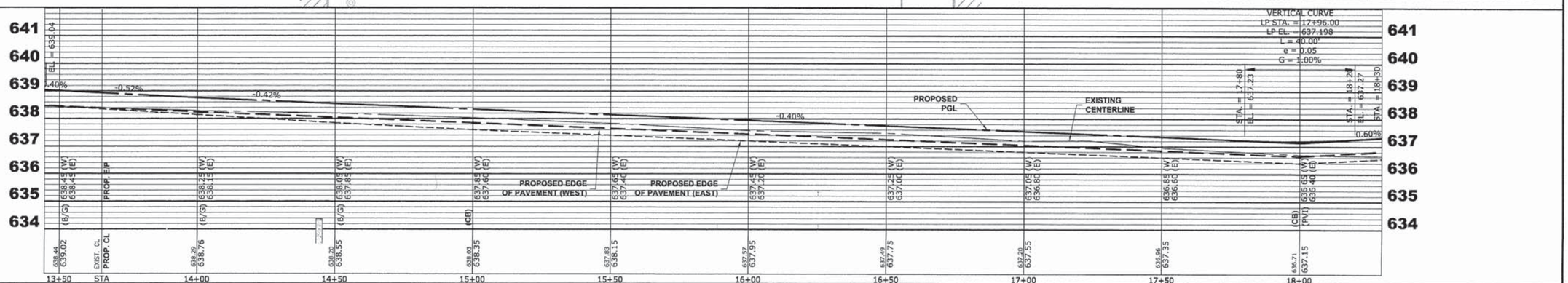

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CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

CORNELL AVENUE
PAVING PLAN AND PROFILE

SCALE:H:1"=20',V:1"=2' | SHEET NO. 4 OF 6 SHEETS | STA. 13+50 | TO STA. 18+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	12

FIELD BOOK NO. : X | CONTRACT NO. 63881
FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT
E.H.E. PROJECT NO. 600-13-01801

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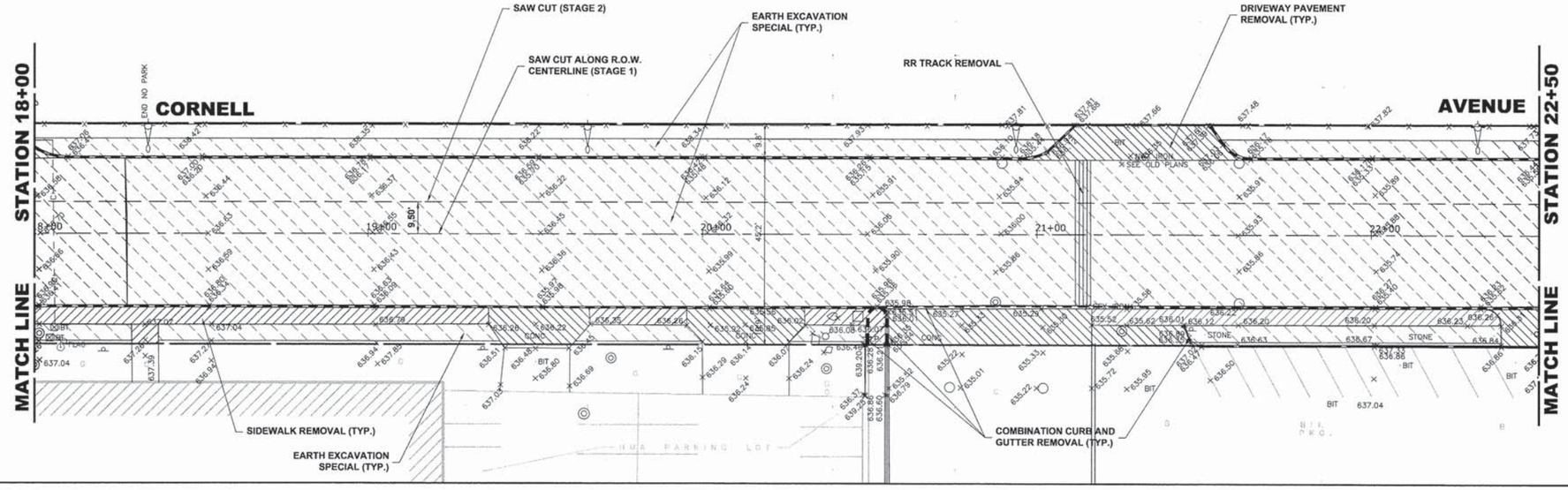

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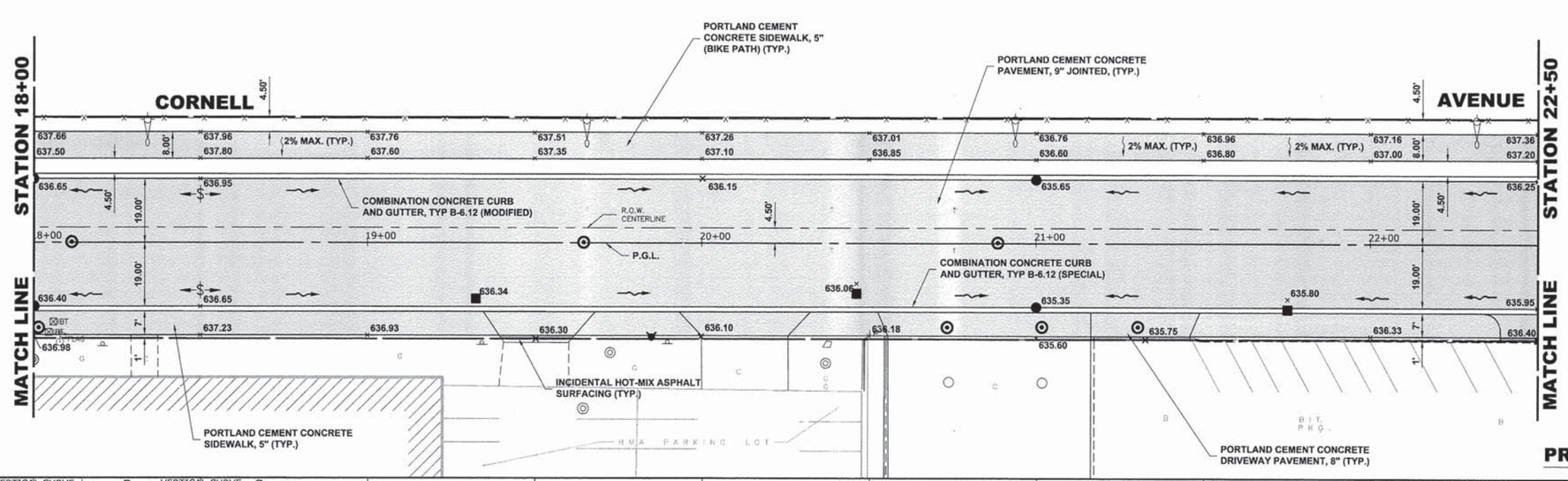

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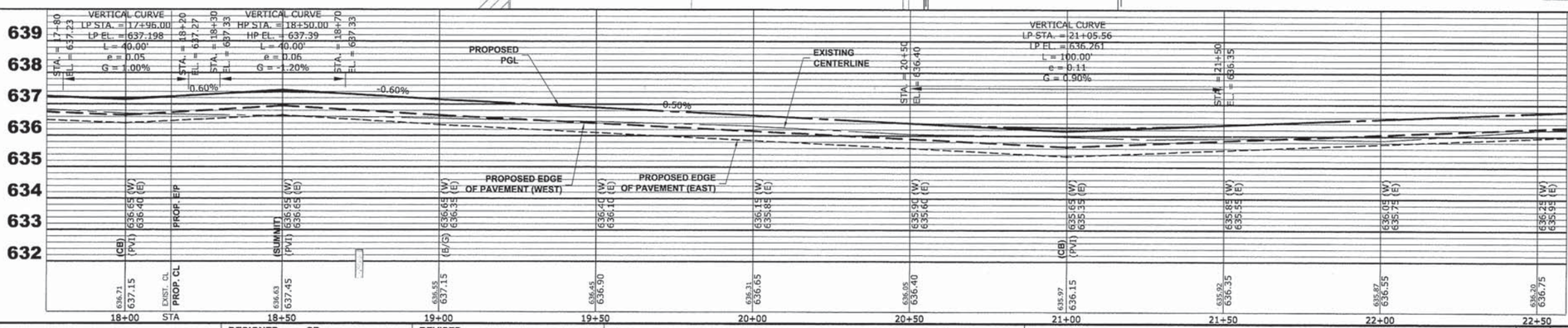

DESIGNED -	CB	REVISED -	
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DATE -	10-15-13	REVISED -	

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DEPARTMENT OF ILLINOIS

CORNELL AVENUE
PAVING PLAN AND PROFILE

SCALE:H:1"=20',V:1"=2' | SHEET NO. 5 OF 6 SHEETS | STA. 18+00 | TO STA. 22+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	13
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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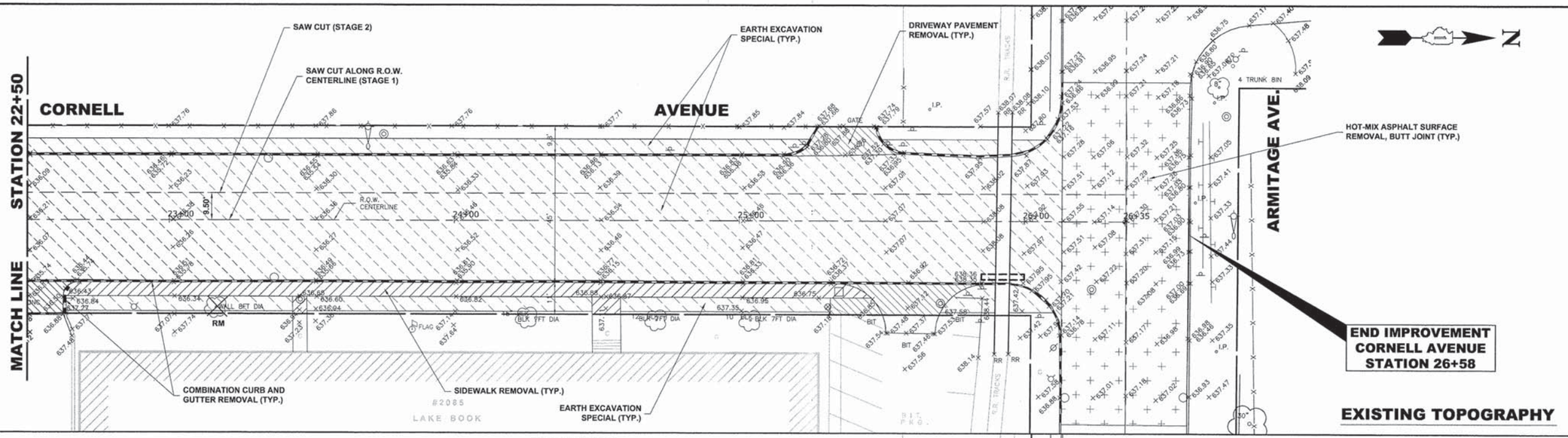

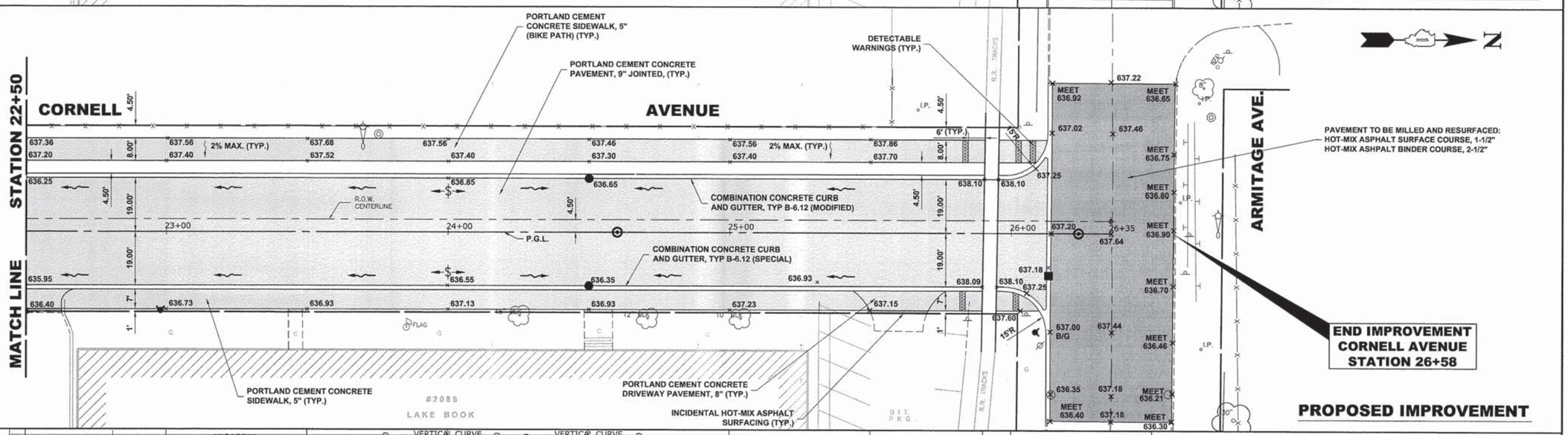

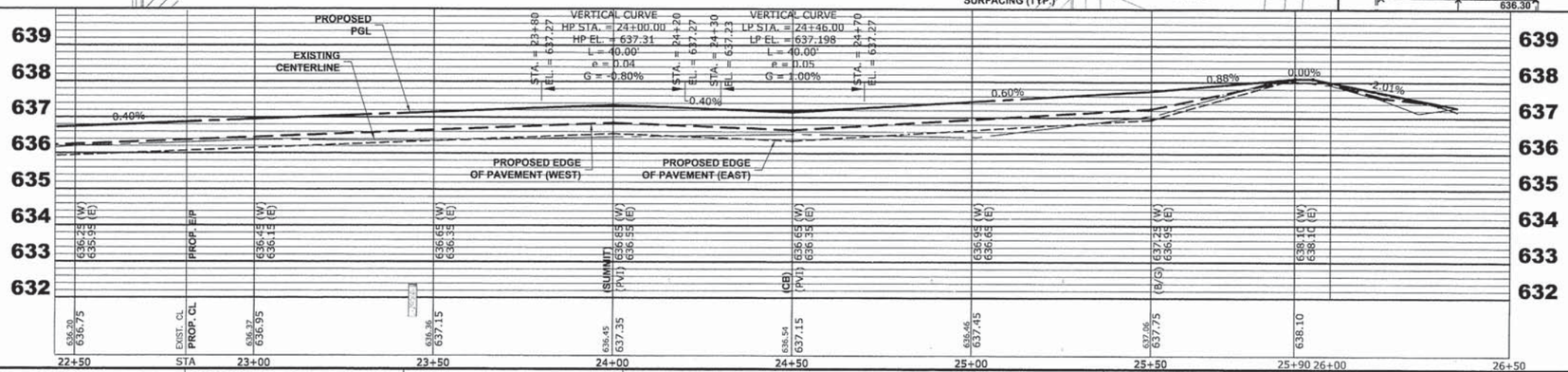

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STATE OF ILLINOIS
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CORNELL AVENUE
PAVING PLAN AND PROFILE

SCALE:H:1"=20',V:1"=2' | SHEET NO. 6 OF 6 SHEETS | STA. 22+50 | TO STA. 26+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	14
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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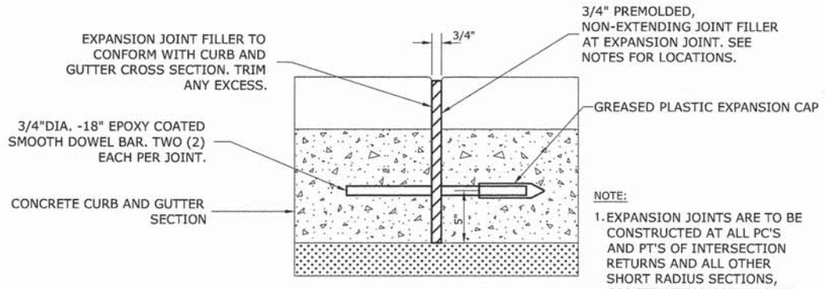
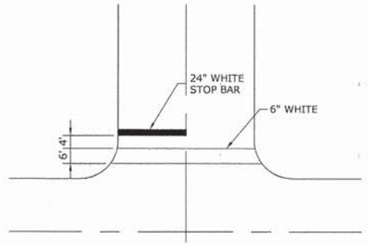


TYPICAL CURB AND GUTTER EXPANSION JOINT



TYPICAL CROSSWALK & STOP BAR DETAIL

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" EXPANSION JOINT SHALL BE INSTALLED IN THE CURB AND GUTTER A DISTANCE OF 5 FT. FROM EACH SIDE OF THE CASTING. 2-NO. 4 RE-BARS, 9' IN LENGTH, SHALL BE INCORPORATED IN THE CONTINUOUS PORTION OF CONCRETE CURB BEHIND THE CASTING.

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.

SLIPFORM CONSTRUCTION - VERTICAL FACES MAY BE BATTERED AT THE RATE OF 3/4" PER FOOT OF HEIGHT TO AID IN SLIPFORM OPERATIONS. THE PROPOSED CURB HEIGHT IS VARIABLE.

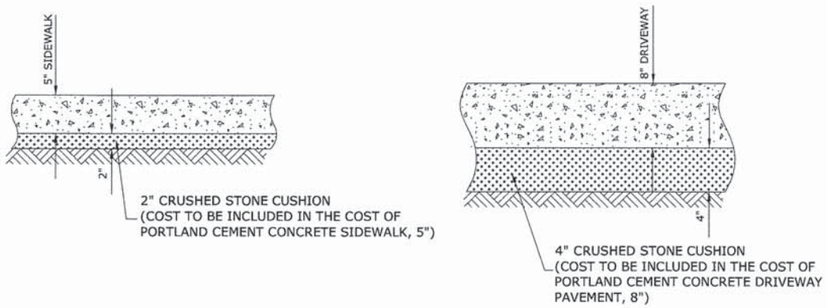
DEPRESSED CURB HEIGHT - THE HEIGHT OF THE DEPRESSED CURB SHALL BE 1-1/2" AT DRIVEWAYS. SEE IDOT STANDARD 424001-05 FOR HEIGHT AT SIDEWALK RAMP.

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.

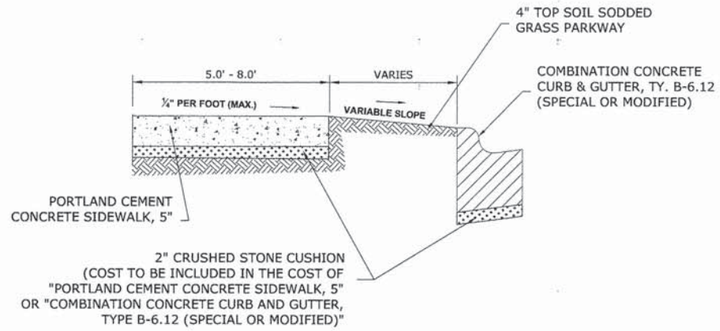
ALL EXPANSION JOINTS LOCATED IN THE CURB AND GUTTER SHALL HAVE TWO (2) THREE QUARTER INCH (3/4") DIAMETER, SMOOTH, ROUND, EPOXY COATED DOWEL BARS, EIGHTEEN INCHES (18") IN LENGTH, WITH GREASED PLASTIC END CAPS INSERTED TO ALLOW THE CURB AND GUTTER TO EXPAND AND CONTRACT LATERALLY. CONTRACTION JOINTS 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 AND CAULKED WITHIN SEVEN (7) DAYS. 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.

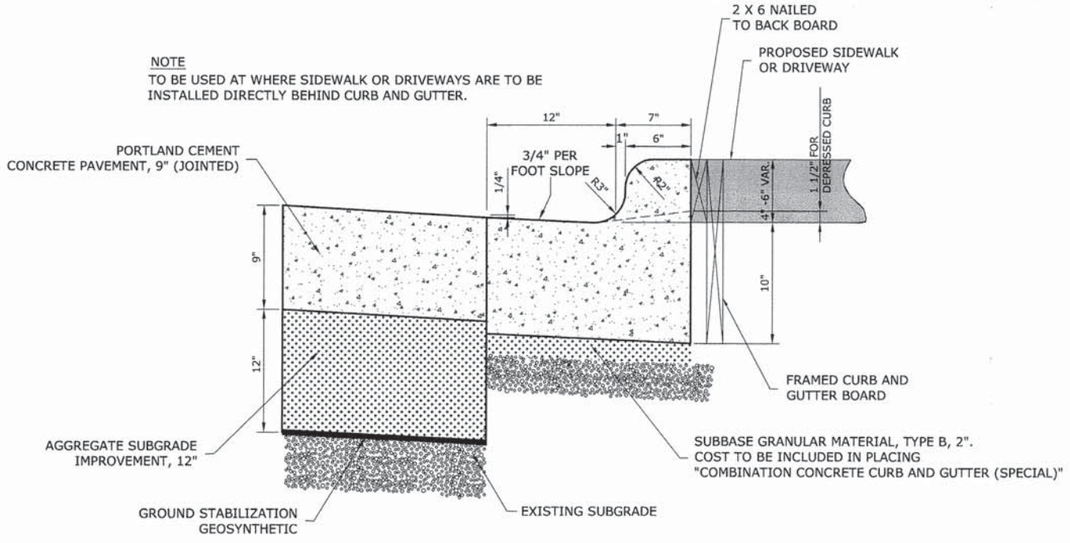
THE EDWIN HANCOCK ENGINEERING COMPANY AND THE VILLAGE PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY.



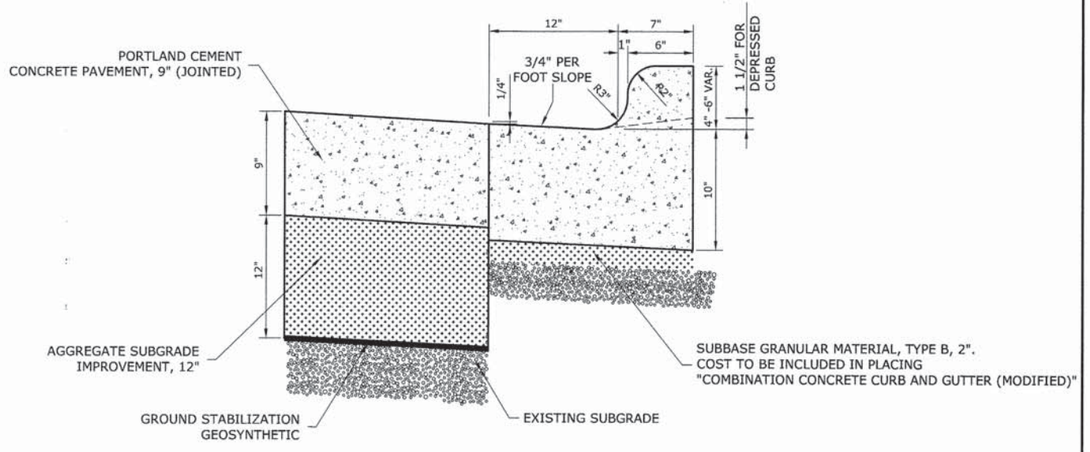
TYPICAL P.C.C. SIDEWALK & DRIVEWAY



PROPOSED P.C.C. SIDEWALK AND GRASS PARKWAY DETAIL



COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (SPECIAL)



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

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CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

ROADWAY DETAILS

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

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	15
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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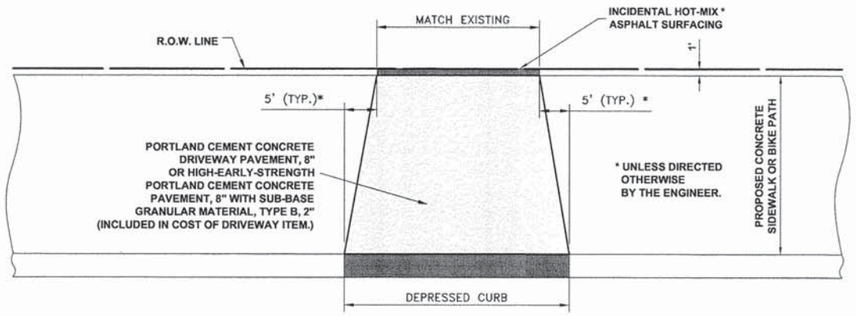
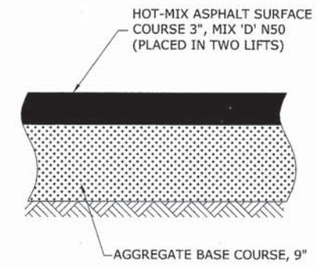
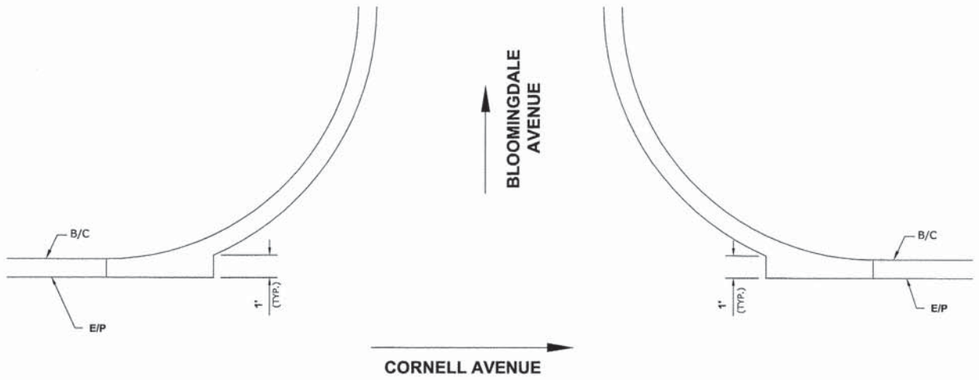


DRIVEWAY DETAIL



INCIDENTAL HOT-MIX ASPHALT SURFACING (TYPICAL ASPHALT PARKING)



TYPICAL 1' STRAIGHT EXTENSION AT INTERSECTIONS

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Fax: 708/865-1212

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

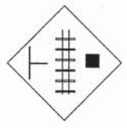
ROADWAY DETAILS

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

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	16
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION	CODE & SIZE	SYMBOL	DESCRIPTION	CODE & SIZE
ERW	END WORK ZONE SPEED LIMIT	G20- I103 36"x60"	S	STOP	R1-1 30"x30"
LBO	LOCAL BUSINESSES OPEN	CUSTOM 36"x24" 5" WHITE LETTERS ON BLUE BACKGROUNG	NLT		R3-2 24"x24"
	WORK ZONE SPEED LIMIT 25	W21-I115 36"x18"	NRT		R3-2 24"x24"
SL 25		R2-1 36"x48"	KR	KEEP RIGHT →	R4-8a 24"X30"
	PHOTO ENFORCED $XXX FINE MINIMUM	R10-I108P 36x18"			
		R2-I106P 36x18"	KL	KEEP LEFT ←	R4-8a 24"X30"
RA	→	M6-1(0) 21"x15"			
LA	←	M6-1(0) 21"x15"	DNE	DO NOT ENTER	R5-1 30"X30"
R R	R R	W10-1 18" DIA.	OWL	ONE WAY ←	R6-1 18"x24"
R-C		W10-3 30"x30"	OWR	ONE WAY →	R6-1 18"x24"
			B O W	BEGIN ONE WAY	R6-6 18"X24"
RCA	ROAD CLOSED AHEAD	W20-3 48"x48"	E O W	END ONE WAY	R6-7 18"X24"
RWA	ROAD CONSTRUCTION AHEAD	W20-I103 48"x48"	RC	ROAD CLOSED	R11-2 48"x30"

NOTE:

CONTRACTOR MUST NOTIFY IDOT ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (842)705-4470, SEVENTY-TWO HOURS IN ADVANCE OF SETTING UP DETOUR ROUTE.

HANCOCK ENGINEERING
◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911
9933 Roosevelt Road
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DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

MAINTENANCE OF TRAFFIC LEGEND
STAGE CONSTRUCTION

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

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	17
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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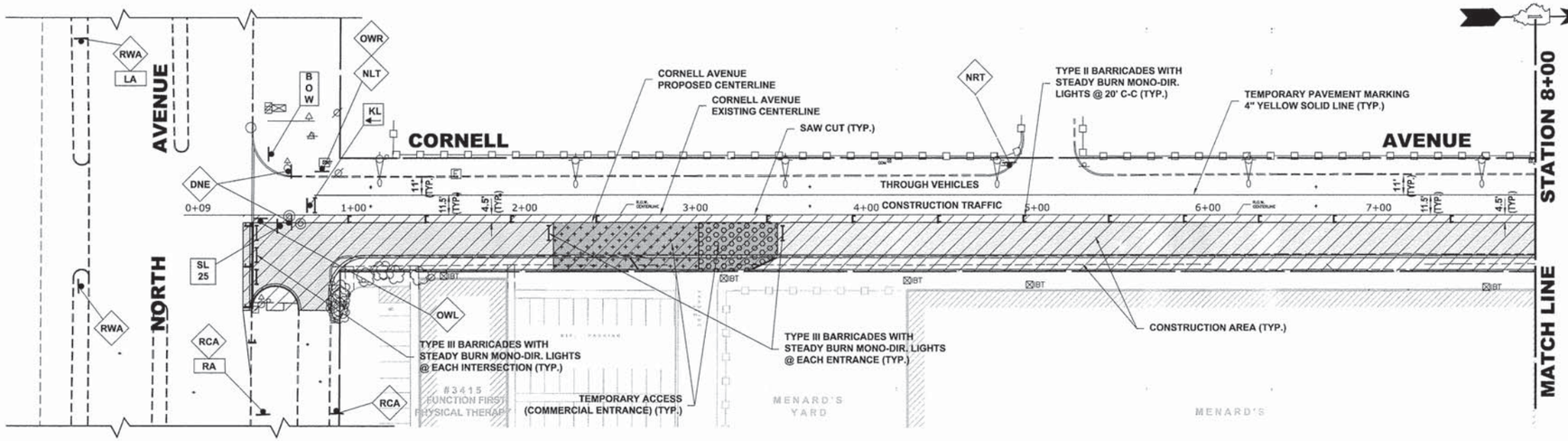
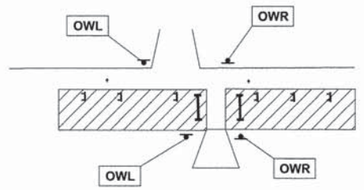


NOTE:
ONE WAY (R6-1) SIGNS ARE REQUIRED IN FRONT OF ALL DRIVEWAYS AS SHOWN



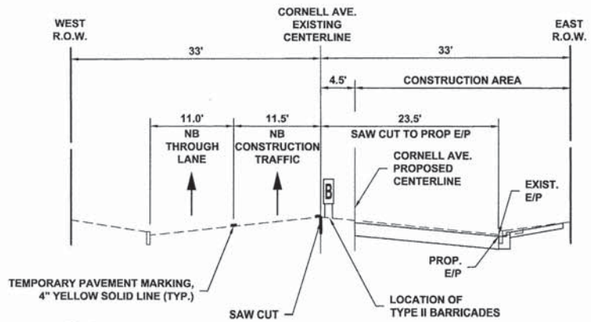
TYPICAL DRIVEWAY DETAIL

STAGE 1 CONSTRUCTION

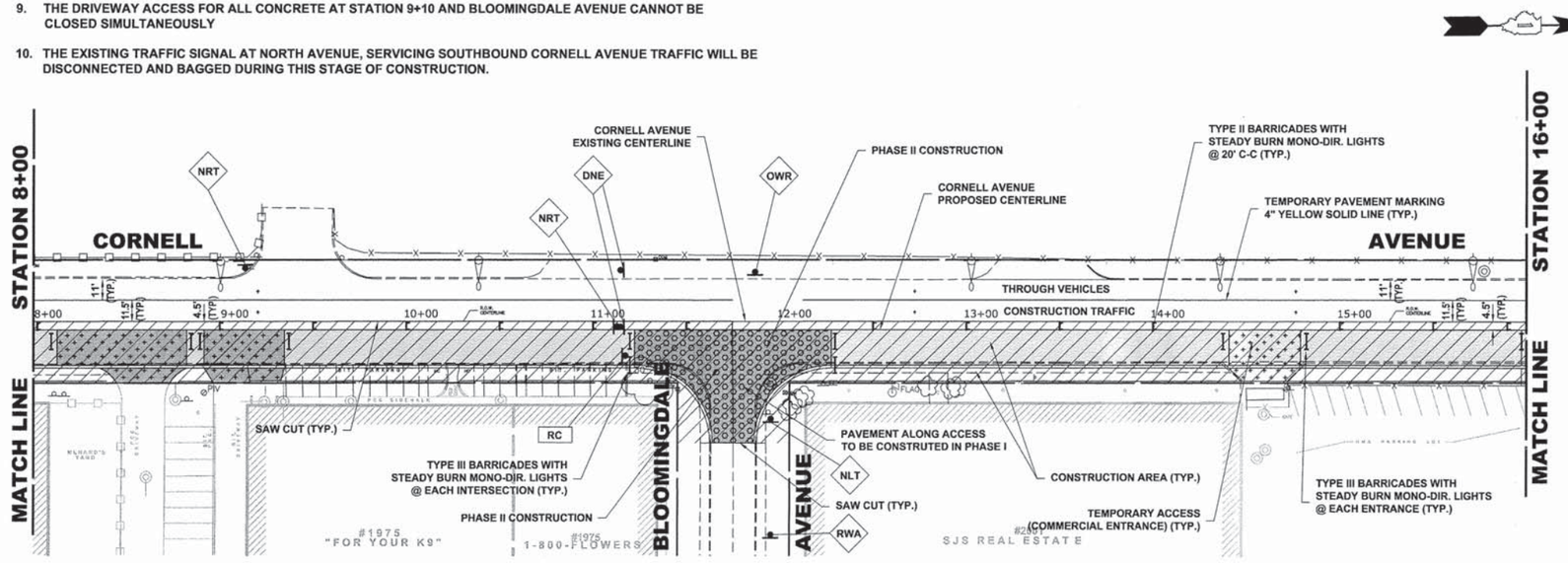
1. WORK DURING THIS STAGE SHALL CONSIST OF THE REMOVAL AND REPLACEMENT OF UTILITIES AND ROADWAY AS INDICATED ON THE PROPOSED PAVEMENT AND UTILITY PLANS ALONG EAST SIDE OF CORNELL AVENUE.
2. ALL THE COMMERCIAL DRIVEWAYS ARE TO BE OPENED THROUGHOUT CONSTRUCTION FOR TRAFFIC OR AS DIRECTED BY THE ENGINEER AND AS PAID FOR AS TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
3. IDOT STANDARD 701501-05 SHALL BE USED TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR SAW CUTTING, THE REMOVAL OF EXISTING PAVEMENT, EARTH EXCAVATION AS NECESSARY AND PERFORMING ALL THE PROPOSED PAVEMENT WORK ALONG EAST SIDE OF CORNELL AVENUE.
4. INTERSECTIONS ARE TO REMAIN OPEN AT ALL TIMES, EXCEPT DURING PREPARATION, POURING AND CURING OF NEW PAVEMENT, AND SHALL BE PAID FOR AS TEMPORARY ACCESS (ROADS).
5. CONSTRUCTION VEHICLES, INCLUDING CONSTRUCTION DELIVERY VEHICLES, WILL NOT BE PERMITTED TO UTILIZE "THROUGH" LANES.
6. CONTRACTOR CANNOT REMOVE EXISTING PAVEMENT IN AREA OUTSIDE OF CONSTRUCTION LIMITS. THE EXISTING STONE AND ASPHALT MUST BE MAINTAINED THROUGHOUT THIS STAGE.
7. FRONTAGE ROAD WILL BE CLOSED TO TRAFFIC DURING THE PLACEMENT OF PAVEMENT WITHIN ITS INTERSECTION.
8. ACCESS FOR ALL CONCRETE @ STA. 3+10, 8+50 AND BLOOMINGDALE AVENUE INTERSECTION MAY NOT BE CLOSED FOR A DURATION LONGER THAN 3 CALENDAR DAYS.
9. THE DRIVEWAY ACCESS FOR ALL CONCRETE AT STATION 9+10 AND BLOOMINGDALE AVENUE CANNOT BE CLOSED SIMULTANEOUSLY
10. THE EXISTING TRAFFIC SIGNAL AT NORTH AVENUE, SERVICING SOUTHBOUND CORNELL AVENUE TRAFFIC WILL BE DISCONNECTED AND BAGGED DURING THIS STAGE OF CONSTRUCTION.

LEGEND

- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- PHASE I CONSTRUCTION ACCESS
- PHASE II CONSTRUCTION ACCESS
- HIGH EARLY STRENGTH PCC PAVEMENT, 9" OR 8"
  *NOTE:
  9" PAVEMENT TO BE INSTALLED WITHIN CURB AND GUTTER,
  8" PAVEMENT TO BE INSTALLED BEHIND BACK OF CURB.
- PROPOSED PAVEMENT AREA



TYPICAL SECTION DURING STAGE 1 CONSTRUCTION



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Fax: 708/865-1212

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

MAINTENANCE OF TRAFFIC PLAN
STAGE 1 CONSTRUCTION

SCALE: 1" = 40' | SHEET NO. 1 OF 2 SHEETS | STA. 0+00 | TO STA. 16+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	18
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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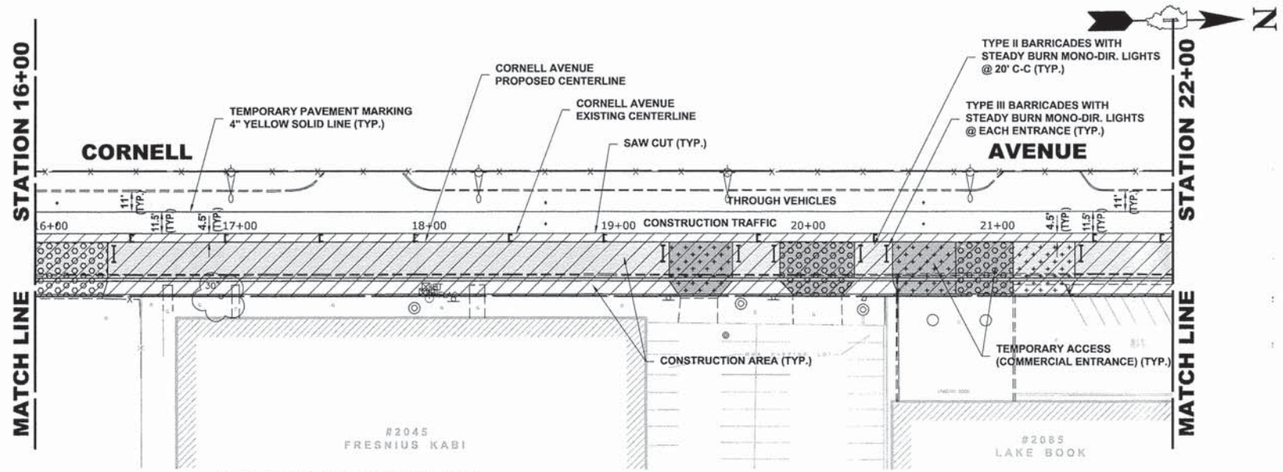


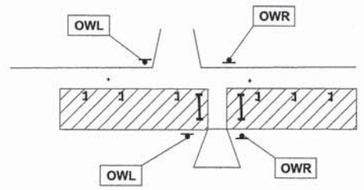
STAGE 1 CONSTRUCTION

1. WORK DURING THIS STAGE SHALL CONSIST OF THE REMOVAL AND REPLACEMENT OF UTILITIES AND ROADWAY AS INDICATED ON THE PROPOSED PAVEMENT AND UTILITY PLANS ALONG EAST SIDE OF CORNELL AVENUE.
2. ALL THE COMMERCIAL DRIVEWAYS ARE TO BE OPENED THROUGHOUT CONSTRUCTION FOR TRAFFIC OR AS DIRECTED BY THE ENGINEER AND AS PAID FOR AS TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
3. IDOT STANDARD 701501-05 SHALL BE USED TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR SAW CUTTING, THE REMOVAL OF EXISTING PAVEMENT, EARTH EXCAVATION AS NECESSARY AND PERFORMING ALL THE PROPOSED PAVEMENT WORK ALONG EAST SIDE OF CORNELL AVENUE.
4. INTERSECTIONS ARE TO REMAIN OPEN AT ALL TIMES, EXCEPT DURING PREPARATION, POURING AND CURING OF NEW PAVEMENT, AND SHALL BE PAID FOR AS TEMPORARY ACCESS (ROADS).
5. CONSTRUCTION VEHICLES, INCLUDING CONSTRUCTION DELIVERY VEHICLES, WILL NOT BE PERMITTED TO UTILIZE "THROUGH" LANES.
6. CONTRACTOR CANNOT REMOVE EXISTING PAVEMENT IN AREA OUTSIDE OF CONSTRUCTION LIMITS. THE EXISTING STONE AND ASPHALT MUST BE MAINTAINED THROUGHOUT THIS STAGE.
7. FRONTAGE ROAD WILL BE CLOSED TO TRAFFIC DURING THE PLACEMENT OF PAVEMENT WITHIN ITS INTERSECTION.
8. ACCESS FOR ALL CONCRETE @ STA. 3+10, 8+50 AND BLOOMINGDALE AVENUE INTERSECTION MAY NOT BE CLOSED FOR A DURATION LONGER THAN 3 CALENDAR DAYS.
9. THE DRIVEWAY ACCESS FOR ALL CONCRETE AT STATION 9+10 AND BLOOMINGDALE AVENUE CANNOT BE CLOSED SIMULTANEOUSLY
10. THE EXISTING TRAFFIC SIGNAL AT NORTH AVENUE, SERVICING SOUTHBOUND CORNELL AVENUE TRAFFIC WILL BE DISCONNECTED AND BAGGED DURING THIS STAGE OF CONSTRUCTION.

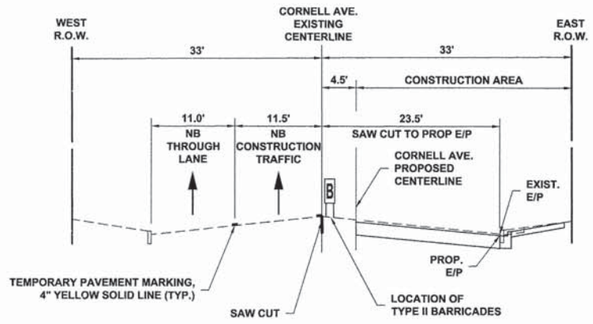
LEGEND

- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- PHASE I CONSTRUCTION ACCESS
- PHASE II CONSTRUCTION ACCESS
- HIGH EARLY STRENGTH PCC PAVEMENT, 9" OR 8"
  *NOTE:
  9" PAVEMENT TO BE INSTALLED WITHIN CURB AND GUTTER,
  8" PAVEMENT TO BE INSTALLED BEHIND BACK OF CURB.
- PROPOSED PAVEMENT AREA

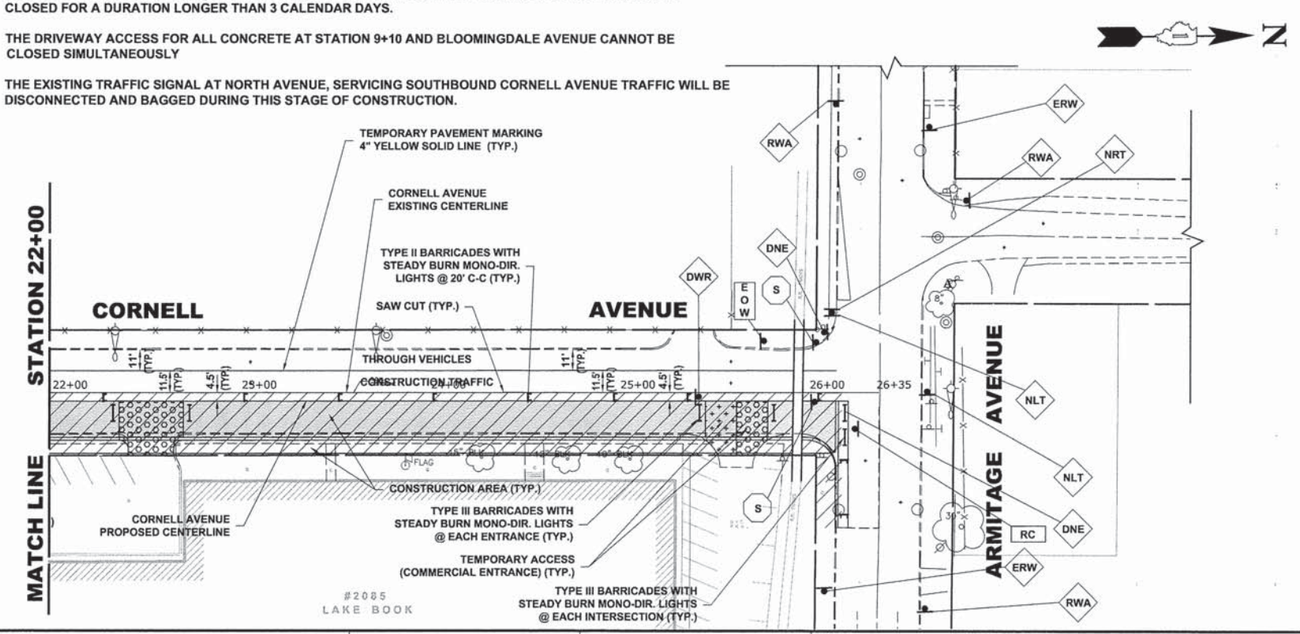
NOTE:
ONE WAY (R6-1) SIGNS ARE REQUIRED
IN FRONT OF ALL DRIVEWAYS AS SHOWN



TYPICAL DRIVEWAY DETAIL



TYPICAL SECTION DURING STAGE 1 CONSTRUCTION



DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

HANCOCK ENGINEERING
◆ Civil Engineers
◆ Municipal Consultants
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9933 Roosevelt Road
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Phone: 708/865-0500
Fax: 708/865-1212

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

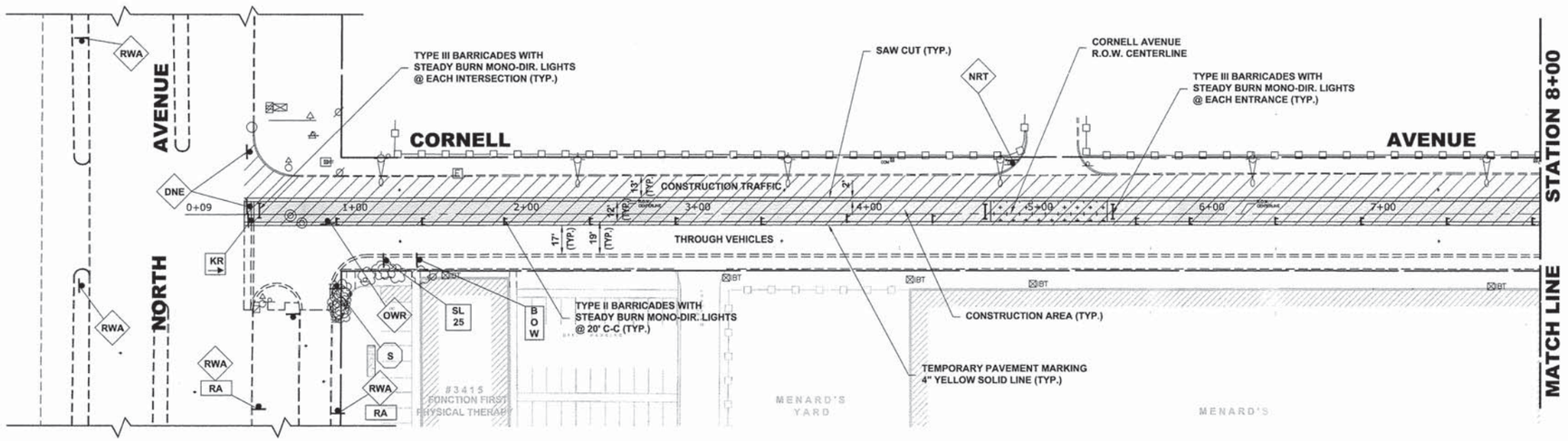
MAINTENANCE OF TRAFFIC PLAN
STAGE 1 CONSTRUCTION

SCALE: 1" = 40' | SHEET NO. 2 OF 2 SHEETS | STA. 16+00 | TO STA. 27+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	19
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

Drawing file: W:\Projects_by_Village\Melrose Park\60013018 - Cornell Ave Reconstr - Design\17-23_Cornell_MaintLof_Traffic.dwg Oct 29, 2013 - 3:05pm



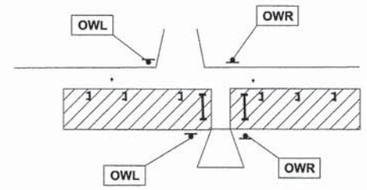
STAGE 2 CONSTRUCTION

1. WORK DURING THIS STAGE SHALL CONSIST OF THE REMOVAL AND REPLACEMENT OF UTILITIES ALONG WEST SIDE OF CORNELL AVENUE AND ROADWAY AS INDICATED ON THE PROPOSED PAVEMENT PLANS ALONG WEST TRAVEL LANE OF CORNELL AVENUE.
2. ALL THE COMMERCIAL DRIVEWAYS ARE TO BE OPENED THROUGHOUT CONSTRUCTION FOR TRAFFIC OR AS DIRECTED BY THE ENGINEER AND AS PAID FOR AS TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
3. IDOT STANDARD 701501-05 SHALL BE USED TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR SAW CUTTING, THE REMOVAL OF EXISTING PAVEMENT, EARTH EXCAVATION AS NECESSARY AND PERFORMING ALL THE PROPOSED PAVEMENT WORK WITHIN TRAVEL LANE ON WEST SIDE OF CORNELL AVENUE.
4. INTERSECTIONS ARE TO REMAIN OPEN AT ALL TIMES, EXCEPT DURING PREPARATION, POURING AND CURING OF NEW PAVEMENT, AND SHALL BE PAID FOR AS TEMPORARY ACCESS (ROADS).
5. CONSTRUCTION VEHICLES, INCLUDING CONSTRUCTION DELIVERY VEHICLES, WILL NOT BE PERMITTED TO UTILIZE "THROUGH" LANES.
6. CONTRACTOR CANNOT REMOVE EXISTING PAVEMENT IN AREA OUTSIDE OF CONSTRUCTION LIMITS. THE EXISTING STONE AND ASPHALT MUST BE MAINTAINED THROUGHOUT THIS STAGE.
7. ACCESS TO EITHER THE DRIVEWAY AT STATION 5+00 OR STATION 9+50 MUST BE ALLOWED AT ALL TIMES. IT WILL NOT BE PERMITTED TO CONSTRUCT THESE DRIVEWAYS SIMULTANEOUSLY.
8. CONTRACTOR TO MAINTAIN "NO PARKING" SIGNS ALONG EAST SIDE OF CORNELL THROUGHOUT THIS STAGE OF CONSTRUCTION.
9. THE EXISTING TRAFFIC SIGNAL AT NORTH AVENUE, SERVICING SOUTHBOUND CORNELL AVENUE TRAFFIC WILL BE DISCONNECTED AND BAGGED DURING THIS STAGE OF CONSTRUCTION.

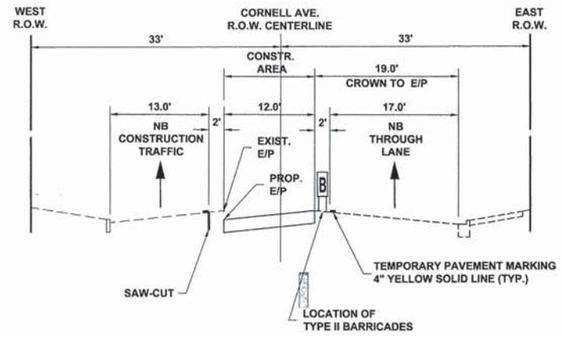
LEGEND

- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- PHASE I CONSTRUCTION ACCESS
- PHASE II CONSTRUCTION ACCESS
- HIGH EARLY STRENGTH PCC PAVEMENT, 9" OR 8"
  *NOTE:
  9" PAVEMENT TO BE INSTALLED WITHIN CURB AND GUTTER,
  8" PAVEMENT TO BE INSTALLED BEHIND BACK OF CURB.
- PROPOSED PAVEMENT AREA

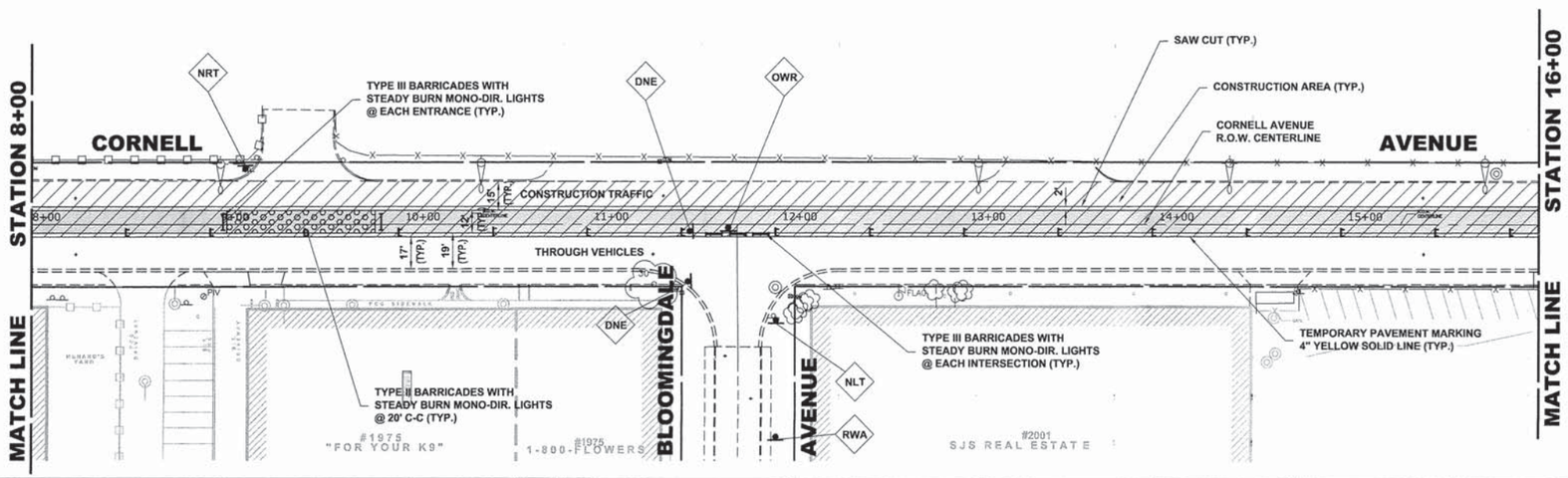
NOTE:
ONE WAY (R6-1) SIGNS ARE REQUIRED IN FRONT OF ALL DRIVEWAYS AS SHOWN



TYPICAL DRIVEWAY DETAIL



TYPICAL SECTION DURING STAGE 2 CONSTRUCTION



HANCOCK ENGINEERING
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CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

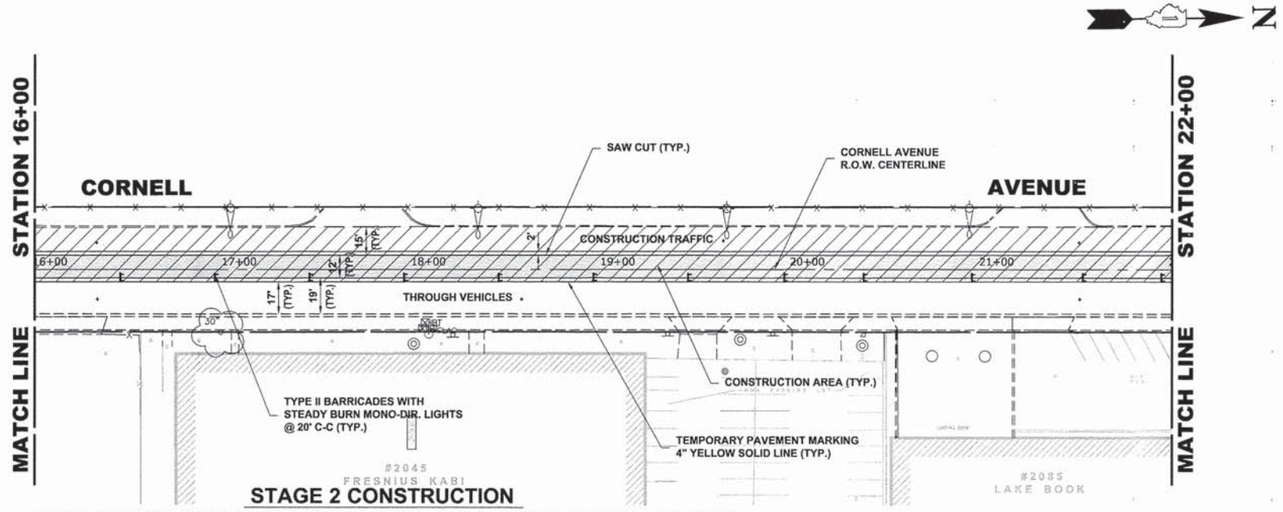
STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

MAINTENANCE OF TRAFFIC PLAN
STAGE 2 CONSTRUCTION

SCALE: 1" = 40' | SHEET NO. 1 OF 2 SHEETS | STA. 0+00 | TO STA. 16+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	20
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

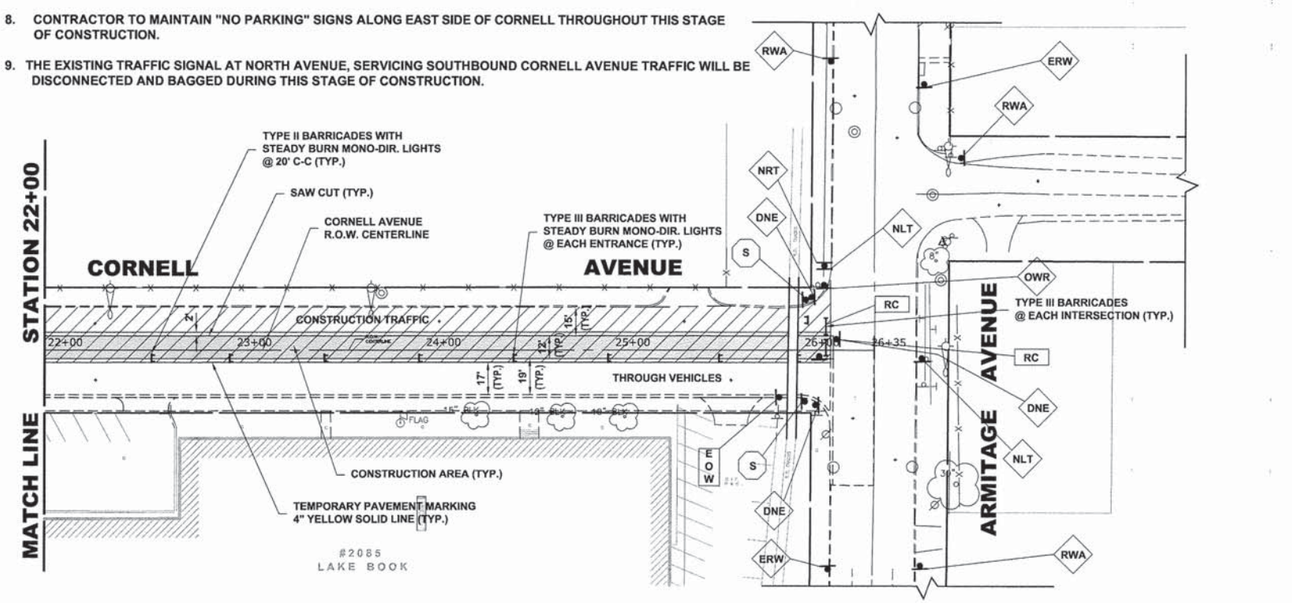


STAGE 2 CONSTRUCTION

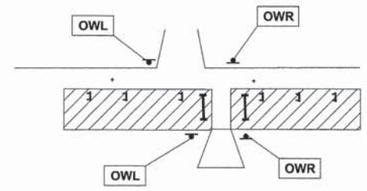
1. WORK DURING THIS STAGE SHALL CONSIST OF THE REMOVAL AND REPLACEMENT OF UTILITIES ALONG WEST SIDE OF CORNELL AVENUE AND ROADWAY AS INDICATED ON THE PROPOSED PAVEMENT PLANS ALONG WEST TRAVEL LANE OF CORNELL AVENUE.
2. ALL THE COMMERCIAL DRIVEWAYS ARE TO BE OPENED THROUGHOUT CONSTRUCTION FOR TRAFFIC OR AS DIRECTED BY THE ENGINEER AND AS PAID FOR AS TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
3. IDOT STANDARD 701501-05 SHALL BE USED TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR SAW CUTTING, THE REMOVAL OF EXISTING PAVEMENT, EARTH EXCAVATION AS NECESSARY AND PERFORMING ALL THE PROPOSED PAVEMENT WORK WITHIN TRAVEL LANE ON WEST SIDE OF CORNELL AVENUE.
4. INTERSECTIONS ARE TO REMAIN OPEN AT ALL TIMES, EXCEPT DURING PREPARATION, POURING AND CURING OF NEW PAVEMENT, AND SHALL BE PAID FOR AS TEMPORARY ACCESS (ROADS).
5. CONSTRUCTION VEHICLES, INCLUDING CONSTRUCTION DELIVERY VEHICLES, WILL NOT BE PERMITTED TO UTILIZE "THROUGH" LANES.
6. CONTRACTOR CANNOT REMOVE EXISTING PAVEMENT IN AREA OUTSIDE OF CONSTRUCTION LIMITS. THE EXISTING STONE AND ASPHALT MUST BE MAINTAINED THROUGHOUT THIS STAGE.
7. ACCESS TO EITHER THE DRIVEWAY AT STATION 5+00 OR STATION 9+50 MUST BE ALLOWED AT ALL TIMES. IT WILL NOT BE PERMITTED TO CONSTRUCT THESE DRIVEWAYS SIMULTANEOUSLY.
8. CONTRACTOR TO MAINTAIN "NO PARKING" SIGNS ALONG EAST SIDE OF CORNELL THROUGHOUT THIS STAGE OF CONSTRUCTION.
9. THE EXISTING TRAFFIC SIGNAL AT NORTH AVENUE, SERVICING SOUTHBOUND CORNELL AVENUE TRAFFIC WILL BE DISCONNECTED AND BAGGED DURING THIS STAGE OF CONSTRUCTION.

LEGEND

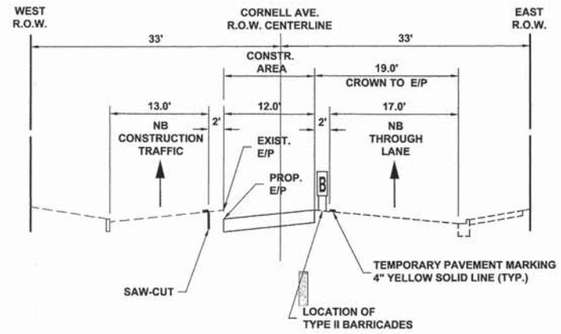
- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- PHASE I CONSTRUCTION ACCESS
- PHASE II CONSTRUCTION ACCESS
- HIGH EARLY STRENGTH PCC PAVEMENT, 9" OR 8"
  *NOTE:
  9" PAVEMENT TO BE INSTALLED WITHIN CURB AND GUTTER,
  8" PAVEMENT TO BE INSTALLED BEHIND BACK OF CURB.
- PROPOSED PAVEMENT AREA



NOTE:
ONE WAY (R6-1) SIGNS ARE REQUIRED
IN FRONT OF ALL DRIVEWAYS AS SHOWN



TYPICAL DRIVEWAY DETAIL



TYPICAL SECTION DURING STAGE 2 CONSTRUCTION

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CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

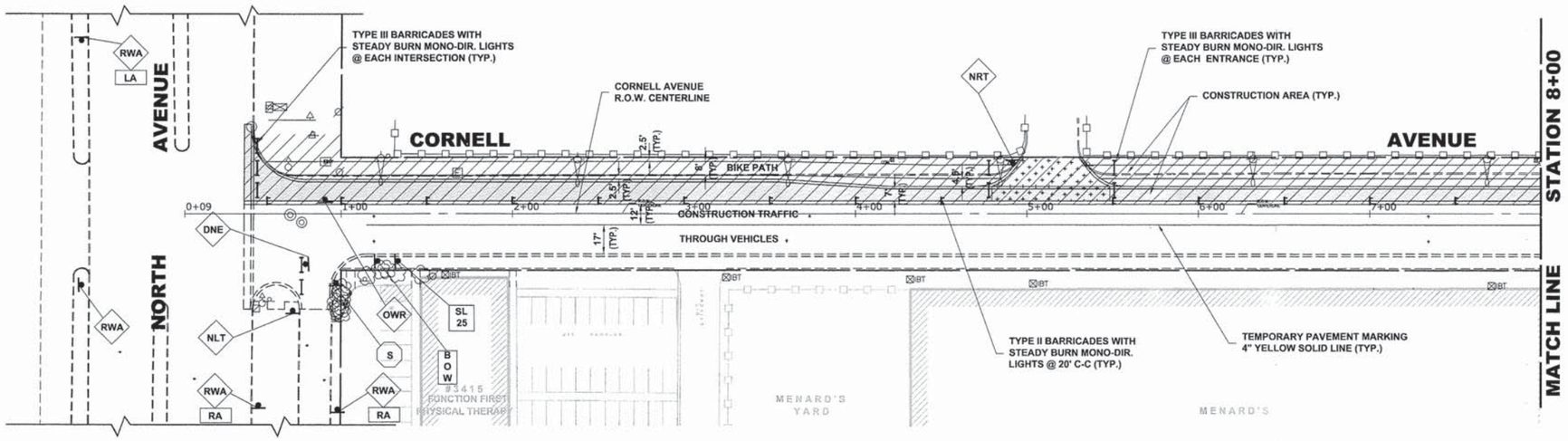
MAINTENANCE OF TRAFFIC PLAN
STAGE 2 CONSTRUCTION

SCALE: 1" = 40' | SHEET NO. 2 OF 2 SHEETS | STA. 16+00 | TO STA. 27+00

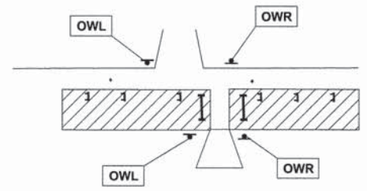
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	21
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

Drawing file: W:\Projects_by_Village\Melrose Park\600130118 - Cornell Ave Reconstr - Design\17-23_Cornell_Maint_of_Traffic.dwg Oct 16, 2013 - 10:40pm



NOTE:
ONE WAY (R6-1) SIGNS ARE REQUIRED IN FRONT OF ALL DRIVEWAYS AS SHOWN



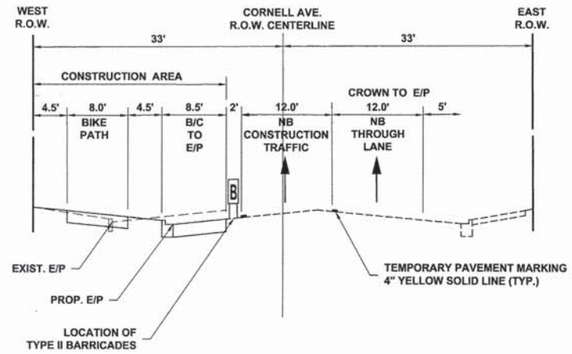
TYPICAL DRIVEWAY DETAIL

STAGE 3 CONSTRUCTION

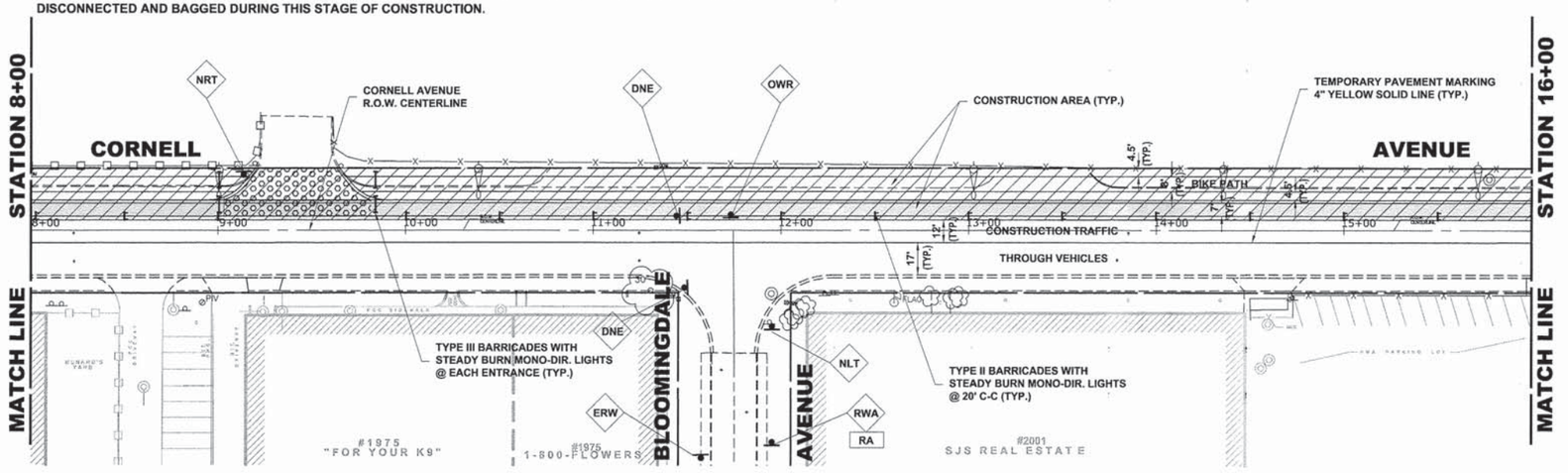
1. WORK DURING THIS STAGE SHALL CONSIST OF THE REMOVAL AND REPLACEMENT OF THE PROPOSED PARKING LANE, RIGHT TURN LANE, CURB AND GUTTER, AND BIKE PATH AS INDICATED ON THE PROPOSED PAVEMENT PLANS ALONG THE WEST SIDE OF CORNELL AVENUE.
2. ALL THE PRIVATE AND COMMERCIAL DRIVEWAYS ARE TO BE OPENED THROUGHOUT CONSTRUCTION FOR TRAFFIC OR AS DIRECTED BY THE ENGINEER AND AS PAID FOR AS TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
3. IDOT STANDARD 701501-05 SHALL BE USED TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR SAW CUTTING, THE REMOVAL OF EXISTING PAVEMENT, EARTH EXCAVATION AS NECESSARY AND PERFORMING ALL THE PROPOSED PAVEMENT WORK ALONG THE WEST SIDE OF CORNELL AVENUE.
4. INTERSECTIONS ARE TO REMAIN OPEN AT ALL TIMES EXCEPT DURING PREPARATION, POURING AND CURING OF NEW PAVEMENT, AND SHALL BE PAID FOR AS TEMPORARY ACCESS (ROADS),
5. CONSTRUCTION VEHICLES, INCLUDING CONSTRUCTION DELIVERY VEHICLES, WILL NOT BE PERMITTED TO UTILIZE "THROUGH" LANES.
6. ACCESS TO EITHER THE DRIVEWAY AT STATION 5+00 OR STATION 9+50 MUST BE ALLOWED AT ALL TIMES. IT WILL NOT BE PERMITTED TO CONSTRUCT THESE DRIVEWAYS SIMULTANEOUSLY.
7. CONTRACTOR TO MAINTAIN "NO PARKING" SIGNS ALONG EAST SIDE OF CORNELL THROUGHOUT THIS STAGE OF CONSTRUCTION.
8. THE EXISTING TRAFFIC SIGNAL AT NORTH AVENUE, SERVICING SOUTHBOUND CORNELL AVENUE TRAFFIC WILL BE DISCONNECTED AND BAGGED DURING THIS STAGE OF CONSTRUCTION.

LEGEND

- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- PHASE I CONSTRUCTION ACCESS
- PHASE II CONSTRUCTION ACCESS
- HIGH EARLY STRENGTH PCC PAVEMENT, 9" OR 8"
  *NOTE:
  9" PAVEMENT TO BE INSTALLED WITHIN CURB AND GUTTER,
  8" PAVEMENT TO BE INSTALLED BEHIND BACK OF CURB.
- PROPOSED PAVEMENT AREA



TYPICAL SECTION DURING STAGE 3 CONSTRUCTION



HANCOCK ENGINEERING
◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911
9933 Roosevelt Road
Westchester, Illinois 60154-2780
Phone: 708/865-0300
Fax: 708/865-1312

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

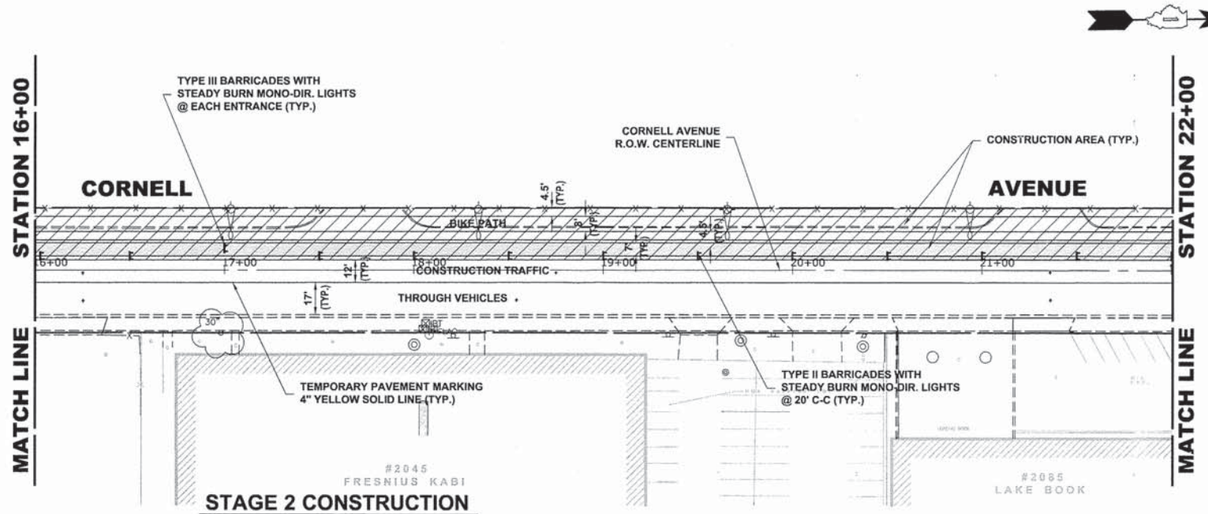
MAINTENANCE OF TRAFFIC PLAN
STAGE 3 CONSTRUCTION

SCALE: 1" = 40' | SHEET NO. 1 OF 2 SHEETS | STA. 0+00 | TO STA. 16+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	22
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

Drawing file: W:\Projects_by_Village\Melrose Park\60013018 - Cornell Ave Reconstr - Design\17-23_Cornell_Maint_of_Traffic.dwg Oct 29, 2013 - 3:06pm

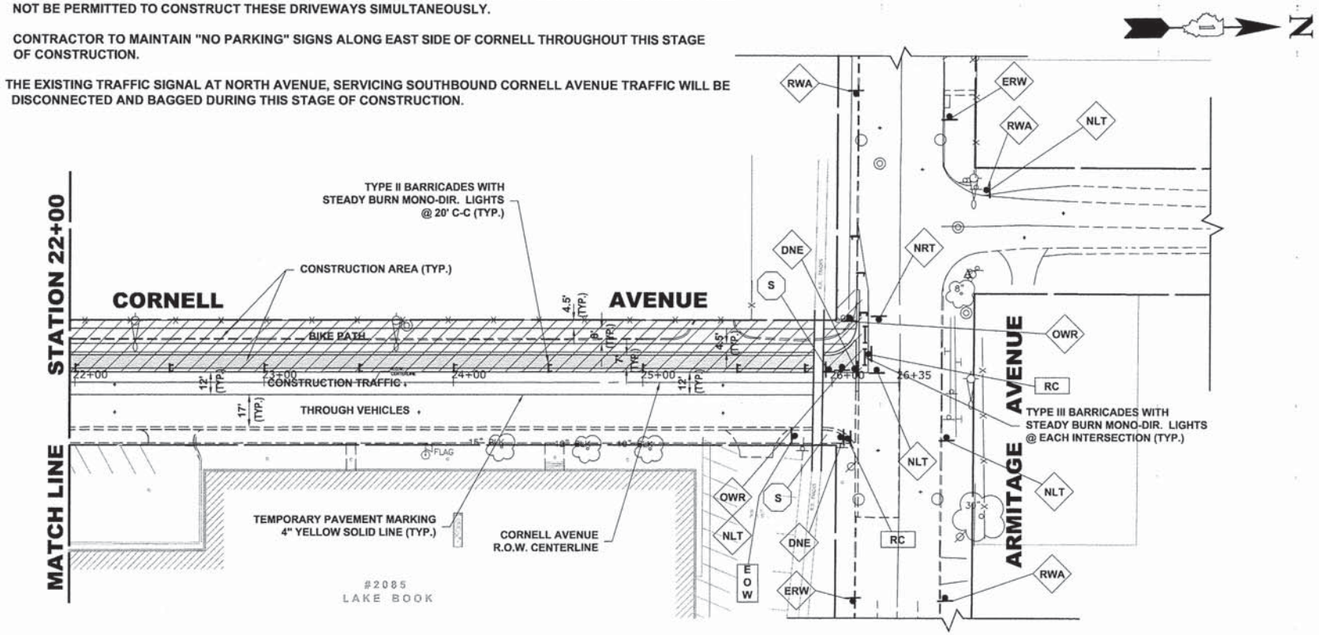


STAGE 2 CONSTRUCTION

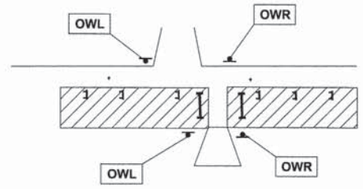
1. WORK DURING THIS STAGE SHALL CONSIST OF THE REMOVAL AND REPLACEMENT OF THE PROPOSED PARKING LANE, RIGHT TURN LANE, CURB AND GUTTER, AND BIKE PATH AS INDICATED ON THE PROPOSED PAVEMENT PLANS ALONG THE WEST SIDE OF CORNELL AVENUE.
2. ALL THE PRIVATE AND COMMERCIAL DRIVEWAYS ARE TO BE OPENED THROUGHOUT CONSTRUCTION FOR TRAFFIC OR AS DIRECTED BY THE ENGINEER AND AS PAID FOR AS TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
3. IDOT STANDARD 701501-05 SHALL BE USED TO ESTABLISH TRAFFIC CONTROL AND PROTECTION NECESSARY FOR SAW CUTTING, THE REMOVAL OF EXISTING PAVEMENT, EARTH EXCAVATION AS NECESSARY AND PERFORMING ALL THE PROPOSED PAVEMENT WORK ALONG THE WEST SIDE OF CORNELL AVENUE.
4. INTERSECTIONS ARE TO REMAIN OPEN AT ALL TIMES EXCEPT DURING PREPARATION, POURING AND CURING OF NEW PAVEMENT, AND SHALL BE PAID FOR AS TEMPORARY ACCESS (ROADS),
5. CONSTRUCTION VEHICLES, INCLUDING CONSTRUCTION DELIVERY VEHICLES, WILL NOT BE PERMITTED TO UTILIZE "THROUGH" LANES.
6. ACCESS TO EITHER THE DRIVEWAY AT STATION 5+00 OR STATION 9+50 MUST BE ALLOWED AT ALL TIMES. IT WILL NOT BE PERMITTED TO CONSTRUCT THESE DRIVEWAYS SIMULTANEOUSLY.
7. CONTRACTOR TO MAINTAIN "NO PARKING" SIGNS ALONG EAST SIDE OF CORNELL THROUGHOUT THIS STAGE OF CONSTRUCTION.
8. THE EXISTING TRAFFIC SIGNAL AT NORTH AVENUE, SERVICING SOUTHBOUND CORNELL AVENUE TRAFFIC WILL BE DISCONNECTED AND BAGGED DURING THIS STAGE OF CONSTRUCTION.

LEGEND

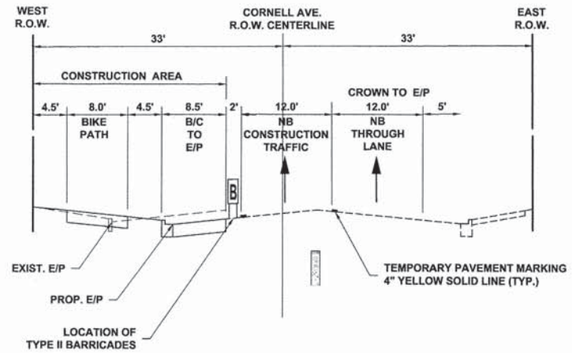
- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- PHASE I CONSTRUCTION ACCESS
- PHASE II CONSTRUCTION ACCESS
- HIGH EARLY STRENGTH PCC PAVEMENT, 9" OR 8"
  *NOTE:
  9" PAVEMENT TO BE INSTALLED WITHIN CURB AND GUTTER,
  8" PAVEMENT TO BE INSTALLED BEHIND BACK OF CURB.
- PROPOSED PAVEMENT AREA



NOTE:
ONE WAY (R6-1) SIGNS ARE REQUIRED IN FRONT OF ALL DRIVEWAYS AS SHOWN



TYPICAL DRIVEWAY DETAIL



HANCOCK ENGINEERING
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Fax: 708/865-1212

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

MAINTENANCE OF TRAFFIC PLAN
STAGE 3 CONSTRUCTION

SCALE: 1" = 40' | SHEET NO. 2 OF 2 SHEETS | STA. 16+00 | TO STA. 27+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	23
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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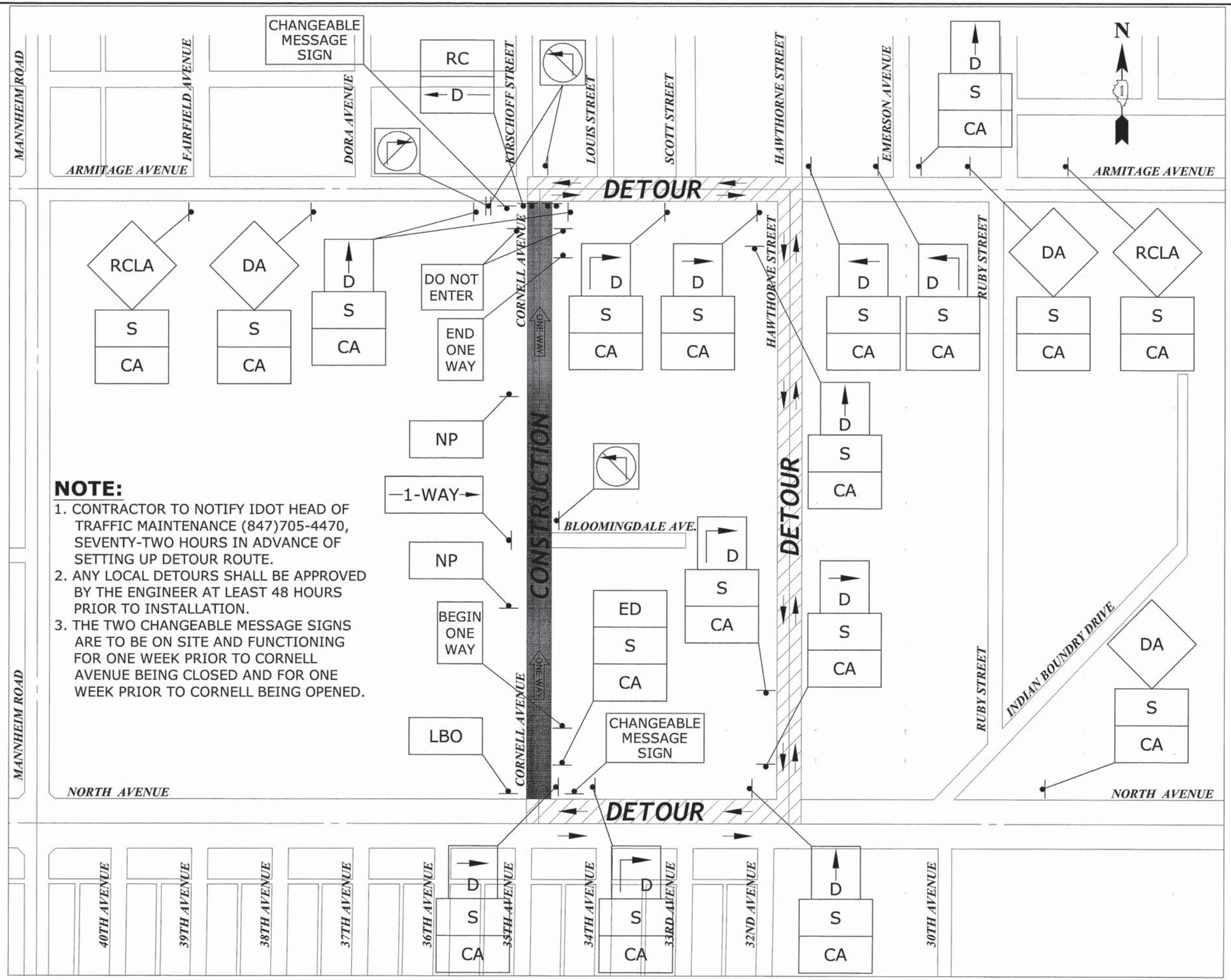

NOTE:

1. CONTRACTOR TO NOTIFY IDOT HEAD OF TRAFFIC MAINTENANCE (847)705-4470, SEVENTY-TWO HOURS IN ADVANCE OF SETTING UP DETOUR ROUTE.
2. ANY LOCAL DETOURS SHALL BE APPROVED BY THE ENGINEER AT LEAST 48 HOURS PRIOR TO INSTALLATION.
3. THE TWO CHANGEABLE MESSAGE SIGNS ARE TO BE ON SITE AND FUNCTIONING FOR ONE WEEK PRIOR TO CORNELL AVENUE BEING CLOSED AND FOR ONE WEEK PRIOR TO CORNELL BEING OPENED.

LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION	CODE & SIZE
RCLA	ROAD CLOSED AHEAD	W20-3 48"x48"
DA	DETOUR AHEAD	W20-2 48"x48"
NP	P	R8-3 24"x24"
N	NORTH	M3-1 24"X12"
S	SOUTH	M3-1 24"X12"
CA	CORNELL AVE	M4-8 36"X12"
ED	END DETOUR	M4-8 24"x18"
LBO	LOCAL BUSINESSES OPEN	M4-8 36"x24"
D	DETOUR	M4-9 30"x24"
D	DETOUR	M4-9 30"x24"
D	DETOUR	M4-9R 24"x30"
D	DETOUR	M4-9L 24"x30"
—D—	DETOUR	M4-10 48"X18"
—D—	DETOUR	M4-10 48"X18"
ONLY	ONLY	R3-5 30"x36"
		R3-1 24"x24"
		R3-2 24"x24"
—1-WAY—	ONE WAY	R6-1 36"x12"
BEGIN ONE WAY	BEGIN ONE WAY	R6-6 18"x24"
END ONE WAY	END ONE WAY	R6-7 18"x24"
DO NOT ENTER	DO NOT ENTER	R5-1 30"x30"

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DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

DETOUR ROUTE

SCALE: N.T.S. | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	24
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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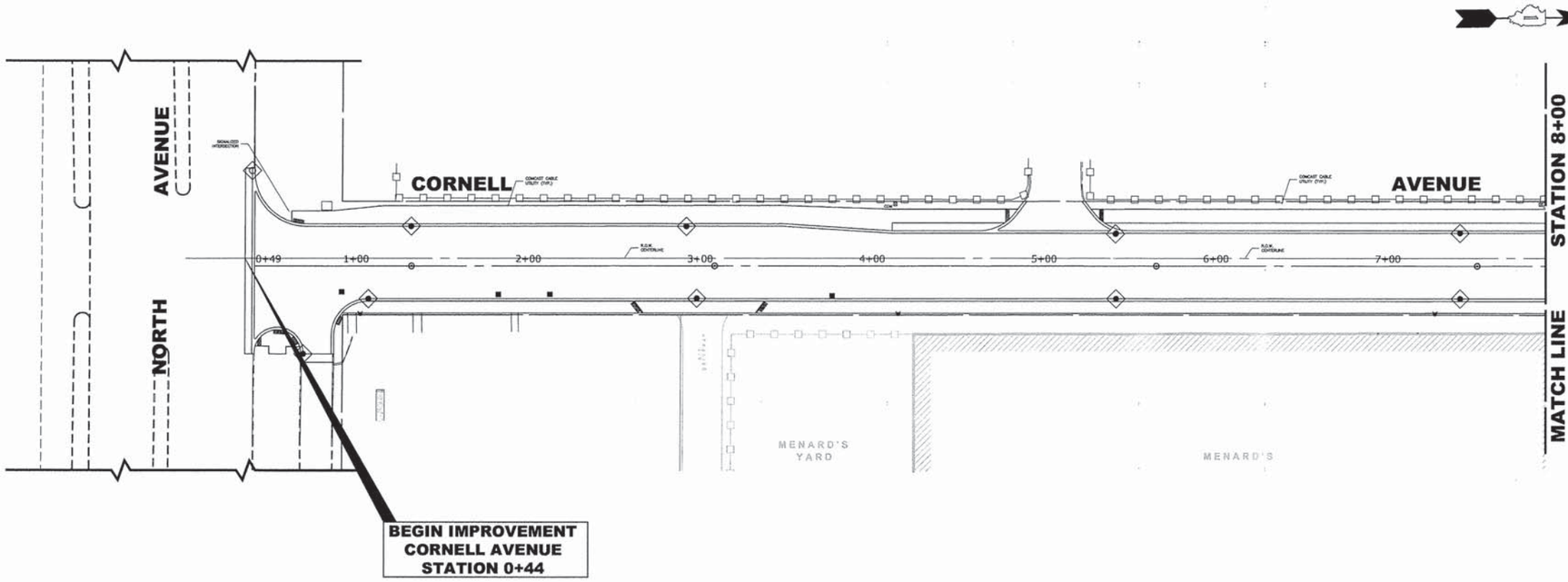
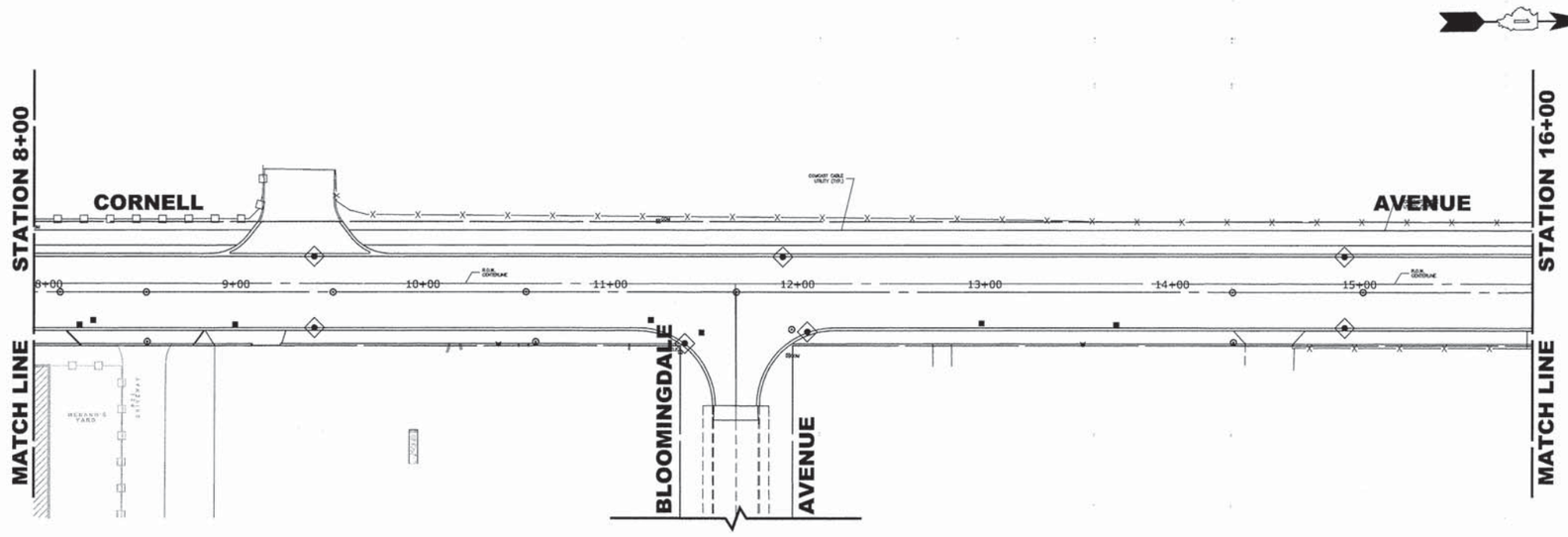


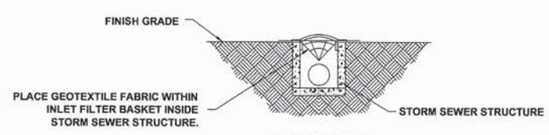
LEGEND

SYMBOL	DESCRIPTION
◆	SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
◆	INLET FILTER

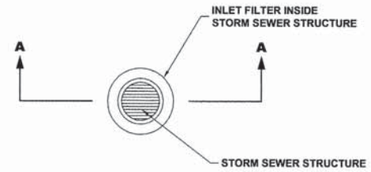
NOTES

1. SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
2. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
3. SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
4. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS. PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER.
5. THE COST OF ABOVE WORK WILL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)





SECTION A-A



PLAN

HANCOCK ENGINEERING
◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911
9933 Roosevelt Road
Westchester, Illinois 60154-2780
Phone: 708/865-0300
Fax: 708/865-1212

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

EROSION CONTROL

SCALE: 1" = 40' | SHEET NO. 1 OF 2 SHEETS | STA. 0+00 | TO STA. 16+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	25
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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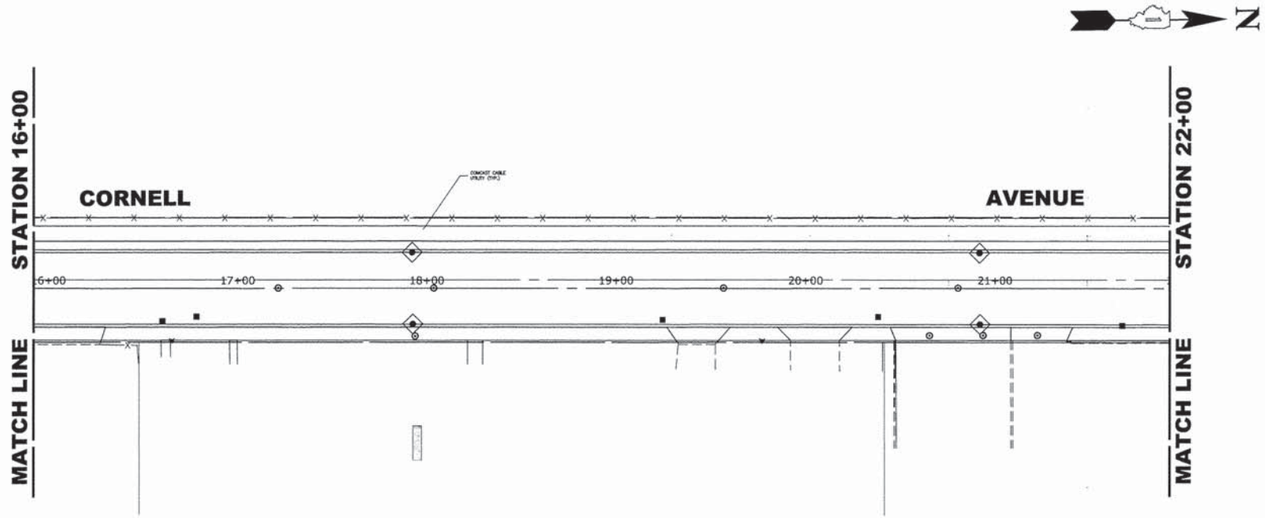
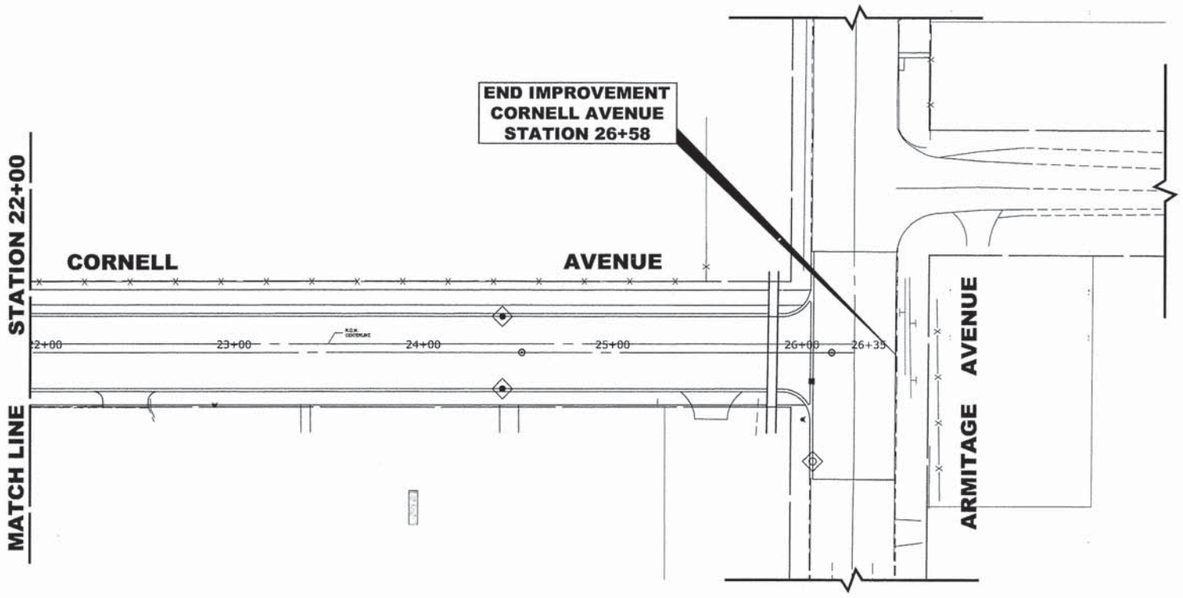


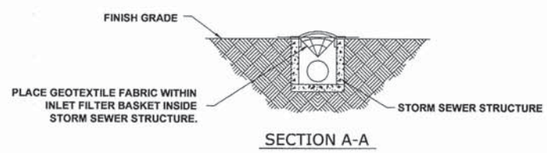


LEGEND

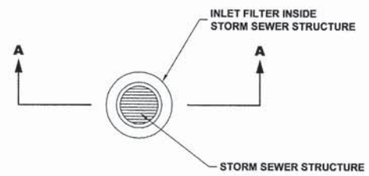
SYMBOL	DESCRIPTION
◆	SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
◆	INLET FILTER

NOTES

1. SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
2. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
3. SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
4. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS. PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER.
5. THE COST OF ABOVE WORK WILL BE INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)



SECTION A-A



PLAN

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9933 Roosevelt Road
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Phone: 708/865-0360
Fax: 708/865-1212

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

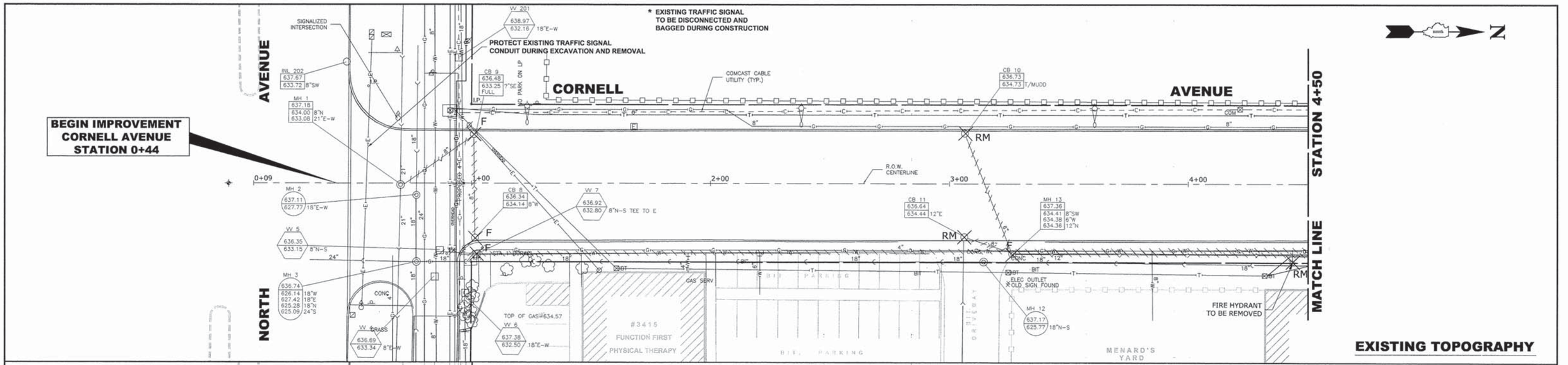
STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

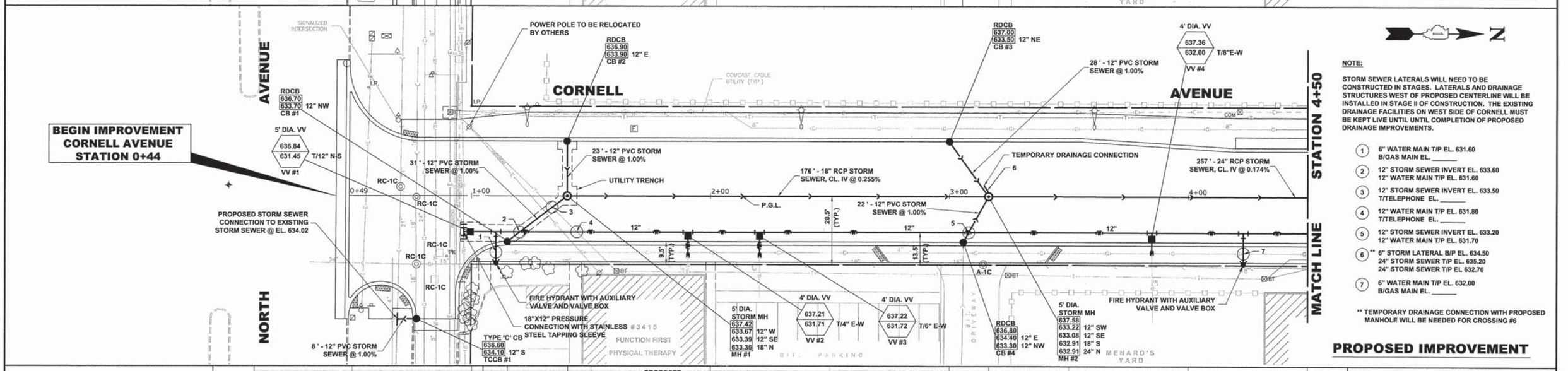
EROSION CONTROL

SCALE: 1" = 40' | SHEET NO. 2 OF 2 SHEETS | STA. 16+00 | TO STA. 27+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	26
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801





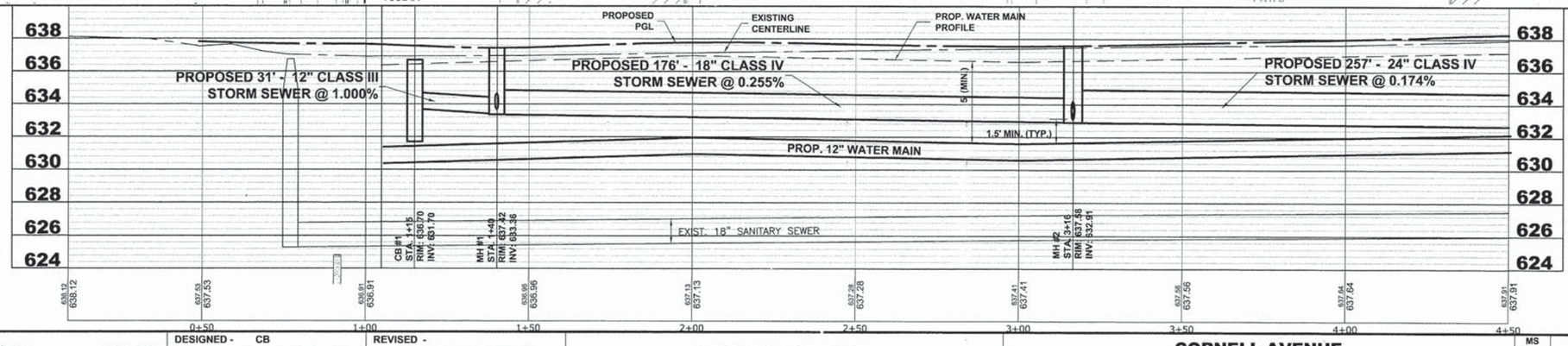
NOTE:

STORM SEWER LATERALS WILL NEED TO BE CONSTRUCTED IN STAGES. LATERALS AND DRAINAGE STRUCTURES WEST OF PROPOSED CENTERLINE WILL BE INSTALLED IN STAGE II OF CONSTRUCTION. THE EXISTING DRAINAGE FACILITIES ON WEST SIDE OF CORNELL MUST BE KEPT LIVE UNTIL UNTIL COMPLETION OF PROPOSED DRAINAGE IMPROVEMENTS.

1. 6" WATER MAIN T/P EL. 631.60
   B/GAS MAIN EL. _____
2. 12" STORM SEWER INVERT EL. 633.60
   12" WATER MAIN T/P EL. 631.60
3. 12" STORM SEWER INVERT EL. 633.50
   T/TELEPHONE EL. _____
4. 12" WATER MAIN T/P EL. 631.80
   T/TELEPHONE EL. _____
5. 12" STORM SEWER INVERT EL. 633.20
   12" WATER MAIN T/P EL. 631.70
6. ** 6" STORM LATERAL B/P EL. 634.50
   24" STORM SEWER T/P EL. 635.20
   24" STORM SEWER T/P EL 632.70
7. 6" WATER MAIN T/P EL. 632.00
   B/GAS MAIN EL. _____

** TEMPORARY DRAINAGE CONNECTION WITH PROPOSED MANHOLE WILL BE NEEDED FOR CROSSING #6

PROPOSED IMPROVEMENT



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Fax: 708/865-1212

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

CORNELL AVENUE
UTILITY PLAN AND PROFILE

SCALE:H:1"=20',V:1"=4' | SHEET NO. 1 OF 6 SHEETS | STA. 0+00 | TO STA. 4+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	27
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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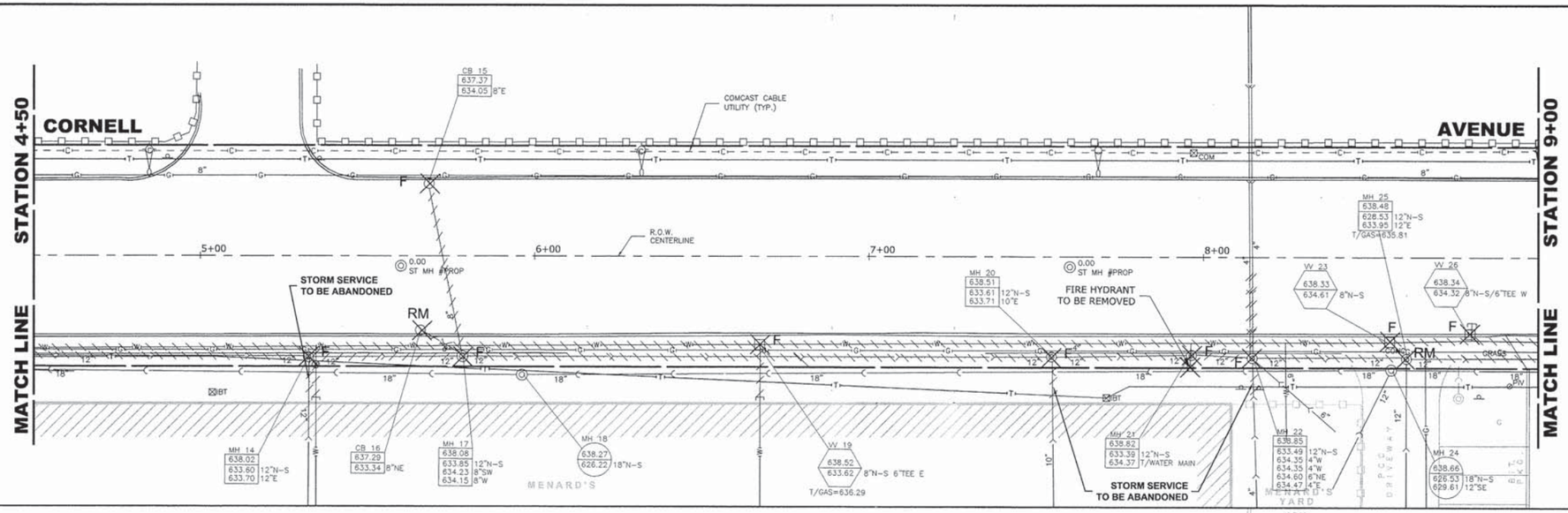
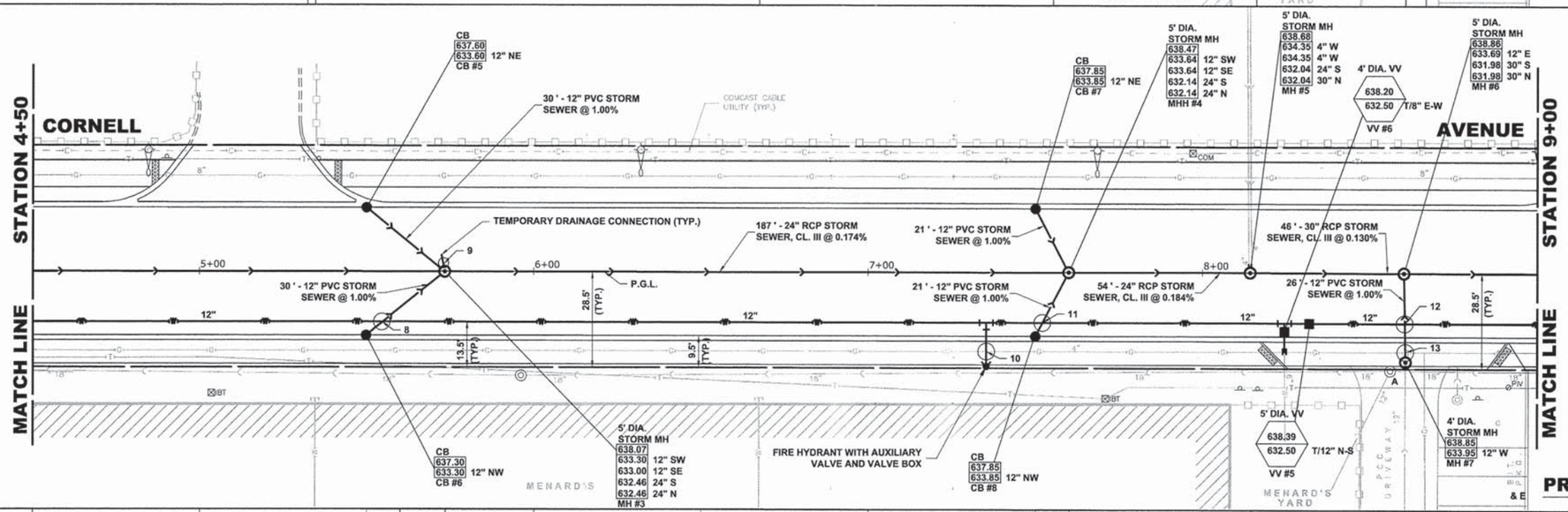


EXISTING TOPOGRAPHY



NOTE:

STORM SEWER LATERALS WILL NEED TO BE CONSTRUCTED IN STAGES. LATERALS AND DRAINAGE STRUCTURES WEST OF PROPOSED CENTERLINE WILL BE INSTALLED IN STAGE II OF CONSTRUCTION. THE EXISTING DRAINAGE FACILITIES ON WEST SIDE OF CORNELL MUST BE KEPT LIVE UNTIL UNTIL COMPLETION OF PROPOSED DRAINAGE IMPROVEMENTS.

(8) 12" STORM SEWER INVERT EL. 633.25
12" WATER MAIN T/P EL. 631.50

(9) ** 24" STORM SEWER T/PIPE EL. 634.65
8" STORM LATERAL B/P EL. 634.20

(10) 6" WATER MAIN T/P EL. 632.20
GAS MAIN ELEVATION = _____

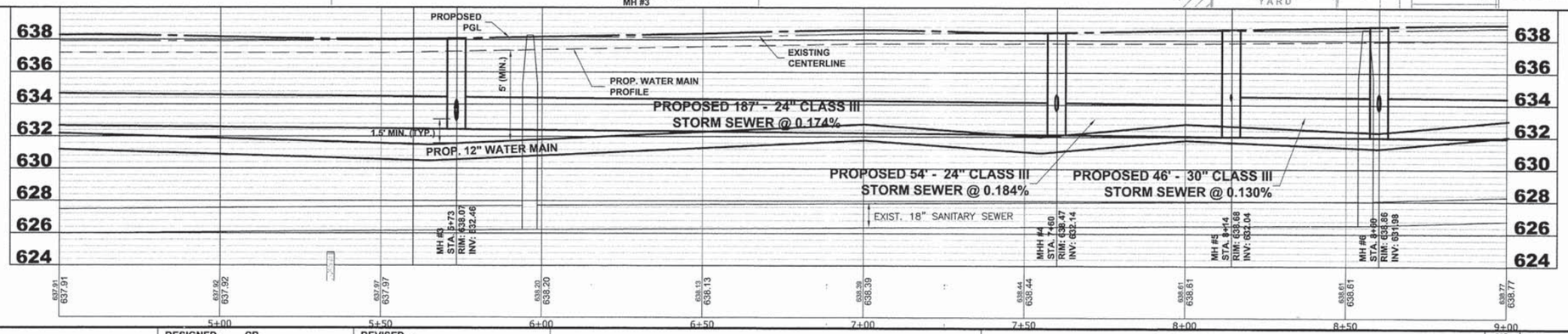
(11) 12" STORM SEWER INVERT EL. 633.80
12" WATER MAIN T/P EL. 632.00

(12) 12" STORM SEWER INVERT EL. 633.82
12" WATER MAIN T/P EL. 632.30

(13) 13" STORM SEWER INVERT EL. 633.90
12" STORM SEWER T/P EL. 635.00
GAS MAIN ELEVATION = _____

** TEMPORARY DRAINAGE CONNECTION TO PROPOSED MANHOLE WILL BE NEEDED FOR CROSSING #9

PROPOSED IMPROVEMENT



HANCOCK ENGINEERING
◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911
9933 Roosevelt Road
Westchester, Illinois 60154-2780
Phone: 708/865-0360
Fax: 708/865-1212

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

CORNELL AVENUE
UTILITY PLAN AND PROFILE

SCALE:H:1"=20',V:1"=4' | SHEET NO. 2 OF 6 SHEETS | STA. 4+50 | TO STA. 9+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	28
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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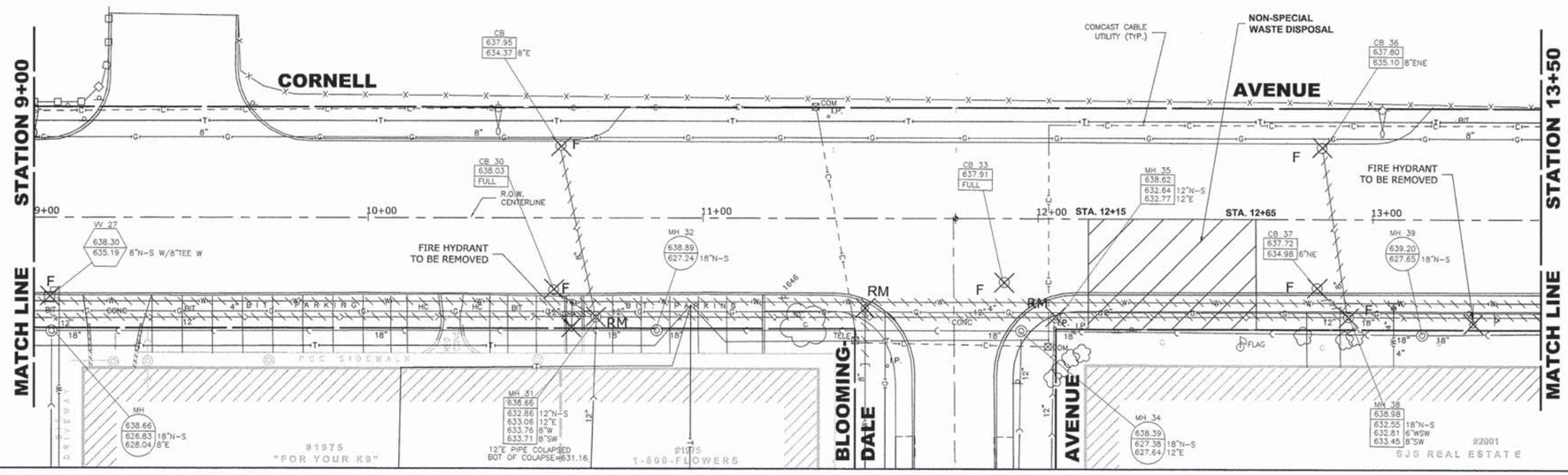


NOTE:

IF DURING CONSTRUCTION, IT IS FOUND THAT THE LIMITS OF NON-SPECIAL WASTE DISPOSAL HAVE CHANGED, THE QUANTITIES WILL BE MODIFIED WITH NO ADJUSTMENT TO UNIT PRICES.

EXISTING TOPOGRAPHY

(14) 12" STORM SEWER INVERT EL. 634.20
12" WATER MAIN T/P EL. 632.70

(15) ** 30" STORM SEWER T/P EL. 633.94
8"STORM LATERAL T/P EL. 634.00

(16) 6" WATER MAIN T/P EL. 632.00
GAS MAIN UTILITY = _____

(17) 12" STORM SEWER INVERT EL. 632.80
12" WATER MAIN T/P EL. 631.30

(18) 12" STORM SEWER INVERT EL. 632.95
12" STORM SEWER T/P EL. 634.00
GAS MAIN UTILITY = _____

(19) 36" STORM SEWER T/P EL. 634.40
BOTTOM COMCAST UTILITY = _____

(20) 12" WATER MAIN T/P EL. 633.00
BOTTOM COMCAST UTILITY = _____

(21) 12" STORM SEWER INVERT EL. 633.75
12" WATER MAIN T/P EL. 632.00

(22) 12" STORM SEWER INVERT EL. 633.85
12" STORM SEWER T/P EL. 634.90
GAS MAIN UTILITY = _____

(23) 15" STORM SEWER INVERT EL. 632.52
12" WATER MAIN T/P EL. 631.00

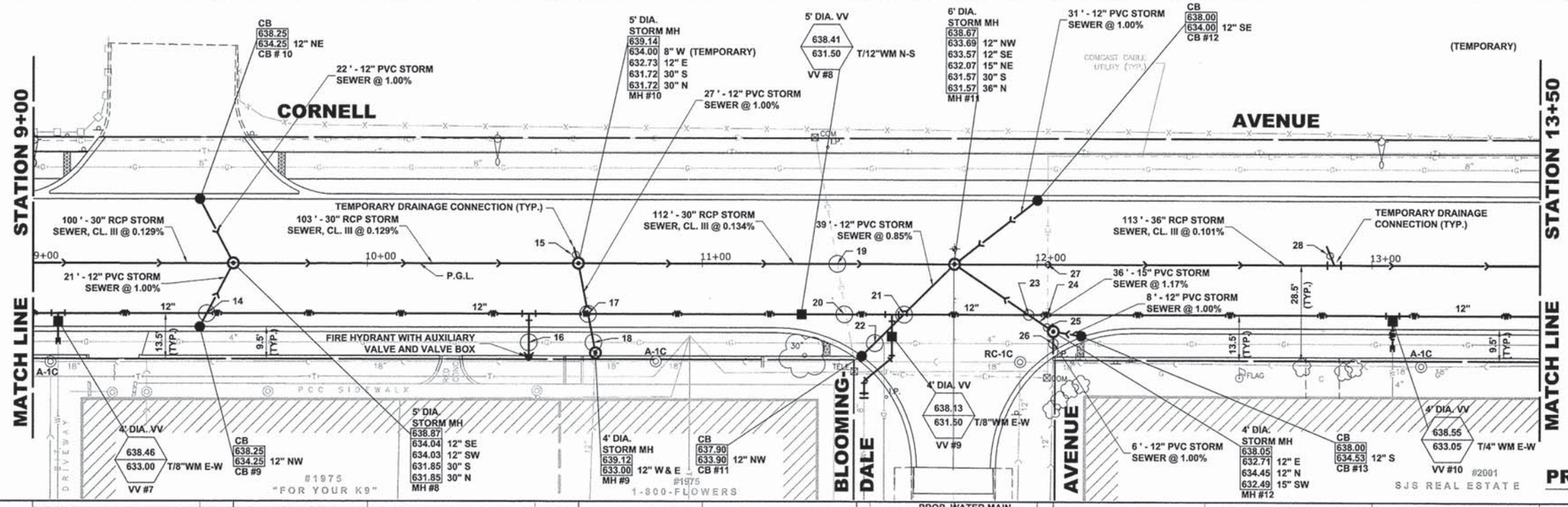
(24) 12" WATER MAIN T/P EL. 631.00
BOTTOM COMCAST UTILITY = _____

(25) 36" STORM SEWER T/P EL. 632.55
BOTTOM COMCAST UTILITY = _____

(26) 12" STORM SEWER INVERT EL. 632.75
12" STORM SEWER T/P EL. 634.00
GAS MAIN UTILITY = _____

(27) BOTTOM COMCAST UTILITY = _____
36" STORM SEWER T/P EL. 635.00

(28) ** 8" STORM LATERA L B/P EL. 634.50
36" STORM SEWER T/P EL. 634.37**

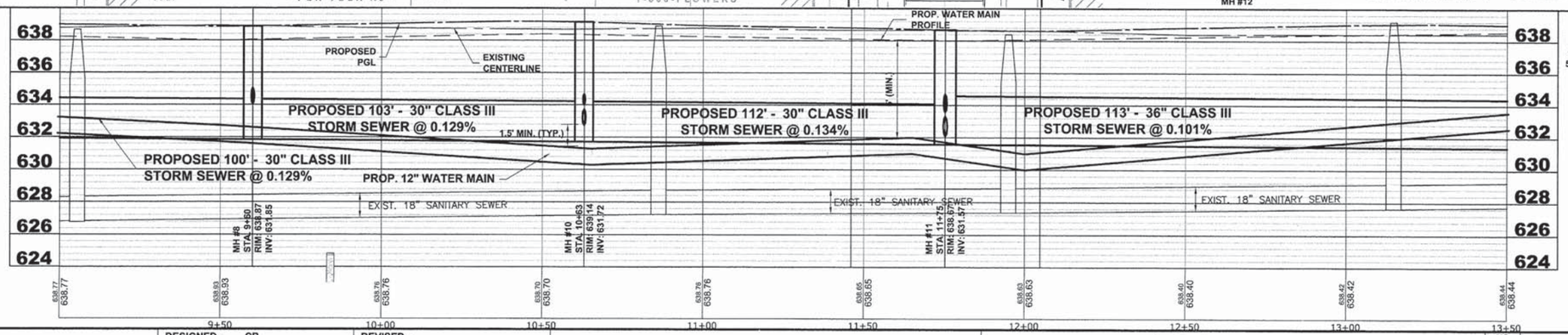


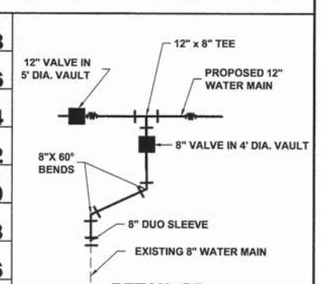
NOTE:

STORM SEWER LATERALS WILL NEED TO BE CONSTRUCTED IN STAGES. LATERALS AND DRAINAGE STRUCTURES WEST OF PROPOSED CENTERLINE WILL BE INSTALLED IN STAGE II OF CONSTRUCTION. THE EXISTING DRAINAGE FACILITIES ON WEST SIDE OF CORNELL MUST BE KEPT LIVE UNTIL UNTIL COMPLETION OF PROPOSED DRAINAGE IMPROVEMENTS.

PROPOSED IMPROVEMENT

** TEMPORARY DRAINAGE CONNECTION TO PROPOSED MANHOLE WILL BE NEEDED FOR CROSSINGS #15 AND #28





DETAIL OF WATER MAIN CONNECTION AT BLOOMINGDALE AVENUE

(NOT TO SCALE)

HANCOCK ENGINEERING
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Westchester, Illinois 60154-2780
Phone: 708/865-0300
Fax: 708/865-1212

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DRAWN -	ECW, MK, DMM	REVISED -	
CHECKED -	DST, ELS, JG	REVISED -	
DATE -	10-15-13	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

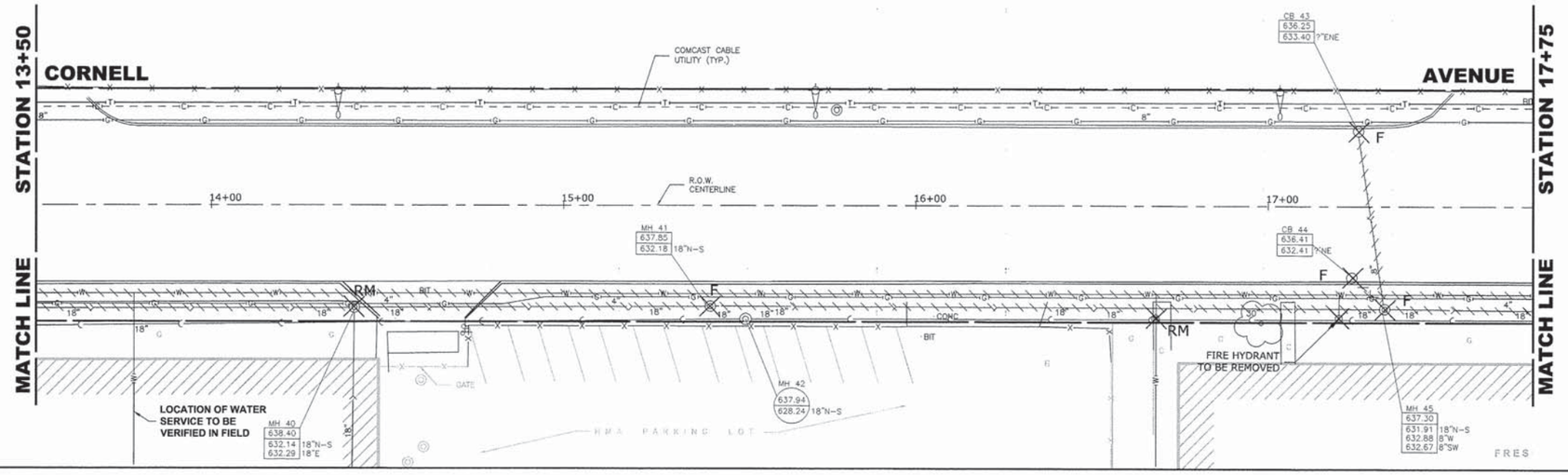
CORNELL AVENUE
UTILITY PLAN AND PROFILE

SCALE:H:1"=20',V:1"=4' | SHEET NO. 3 OF 6 SHEETS | STA. 9+00 | TO STA. 13+50

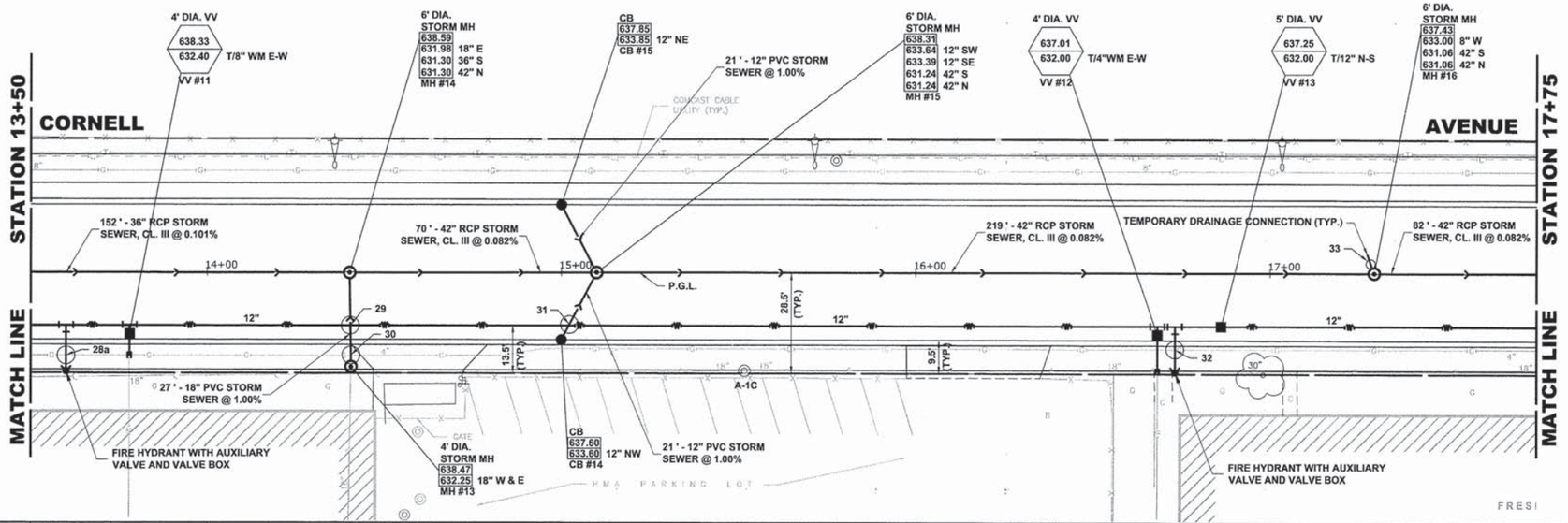
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	29
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

Drawing file: W:\Projects...by...Village\Melrose Park\600130118 - Cornell Ave Reconstr - Design\Cornell\CORNELL.dwg Oct 16, 2013 - 10:21am



EXISTING TOPOGRAPHY



NOTE:

STORM SEWER LATERALS WILL NEED TO BE CONSTRUCTED IN STAGES. LATERALS AND DRAINAGE STRUCTURES WEST OF PROPOSED CENTERLINE WILL BE INSTALLED IN STAGE II OF CONSTRUCTION. THE EXISTING DRAINAGE FACILITIES ON WEST SIDE OF CORNELL MUST BE KEPT LIVE UNTIL UNTIL COMPLETION OF PROPOSED DRAINAGE IMPROVEMENTS.

(28a) 6" WATER MAIN T/P EL. = 632.50
GAS MAIN UTILITY = _____

(29) 12" STORM SEWER INVERT EL. 632.10
12" WATER MAIN T/P EL. 630.60

(30) 12" STORM SEWER INVERT EL. 632.20
12" STORM SEWER T/P EL. 633.30
GAS MAIN UTILITY = _____

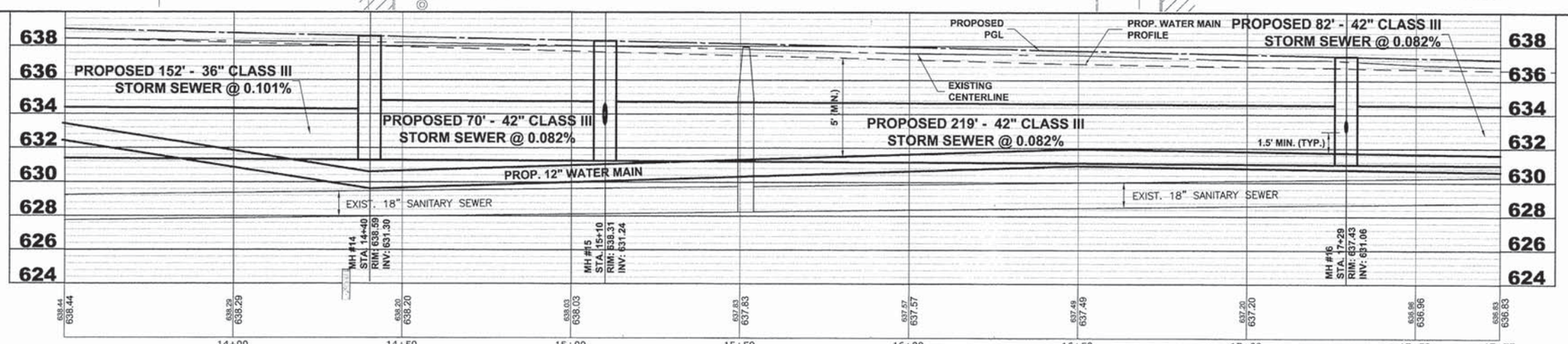
(31) 12" STORM SEWER INVERT EL. 633.55
12" WATER MAIN T/P EL. 631.00

(33) 6" WATER MAIN T/P EL. 632.00
GAS MAIN UTILITY = _____

(33)** 42" STORM SEWERT/P EL. 634.96
8" STORM LATERAL B/P EL. 633.20

** TEMPORARY DRAINAGE CONNECTION TO PROPOSED MANHOLE WILL BE NEEDED FOR CROSSING #33

PROPOSED IMPROVEMENT



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

DESIGNED -	CB	REVISED -	
DRAWN -	ECW, MK, DMM	REVISED -	
CHECKED -	DST, ELS, JG	REVISED -	
DATE -	10-15-13	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

CORNELL AVENUE
UTILITY PLAN AND PROFILE

SCALE:H:1"=20',V:1"=4' | SHEET NO. 4 OF 6 SHEETS | STA. 13+50 | TO STA. 18+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	30
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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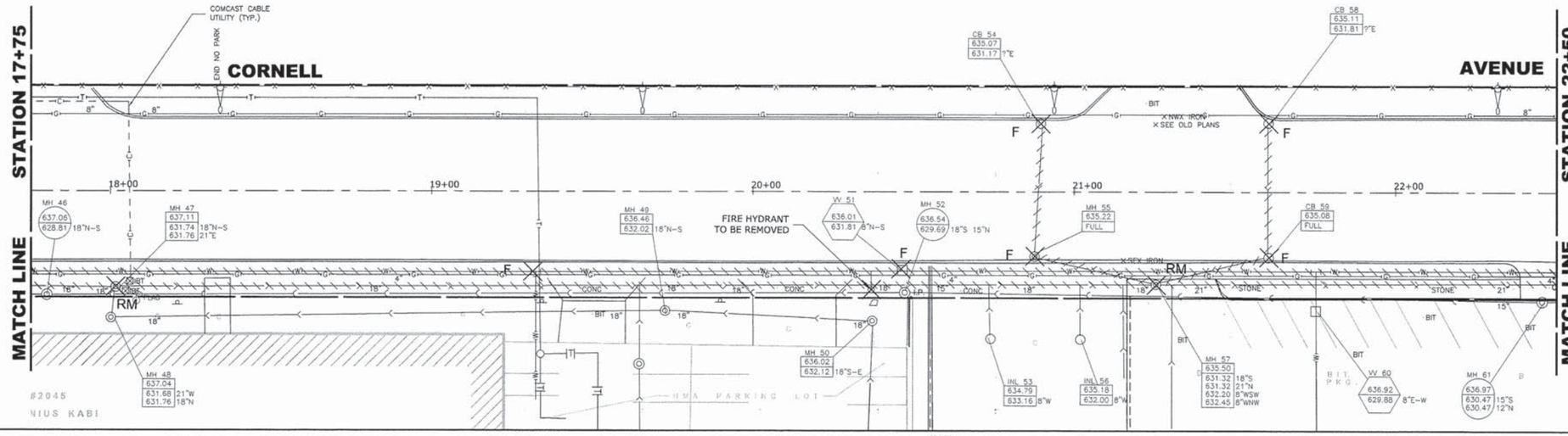
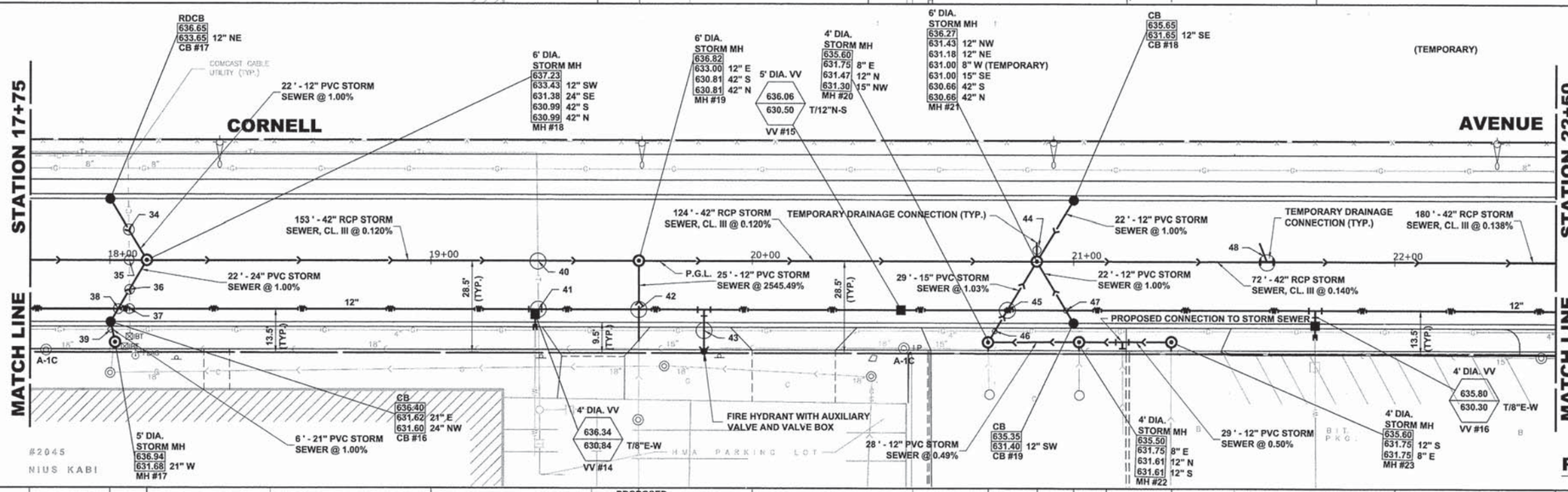


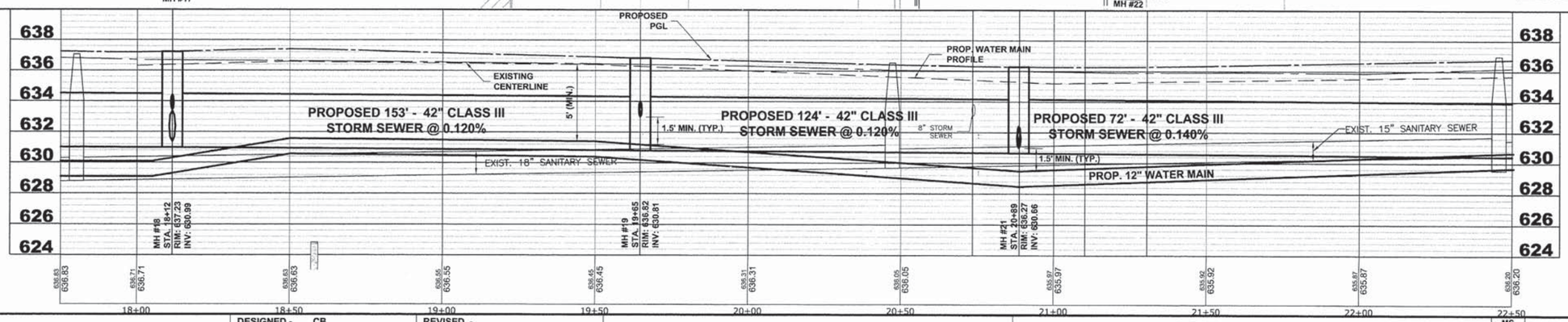
NOTE:

STORM SEWER LATERALS WILL NEED TO BE CONSTRUCTED IN STAGES. LATERALS AND DRAINAGE STRUCTURES WEST OF PROPOSED CENTERLINE WILL BE INSTALLED IN STAGE II OF CONSTRUCTION. THE EXISTING DRAINAGE FACILITIES ON WEST SIDE OF CORNELL MUST BE KEPT LIVE UNTIL UNTIL COMPLETION OF PROPOSED DRAINAGE IMPROVEMENTS.

EXISTING TOPOGRAPHY



PROPOSED IMPROVEMENT



(34) 12" STORM SEWER INVERT EL. 633.00
COMCAST UTILITY EL. _____

(35) 42" STORM SEWER INVERT EL. 634.90
COMCAST UTILITY EL. _____

(36) 12" WATER MAIN T/P EL. 630.10
COMCAST UTILITY EL. _____

(37) 12" WATER MAIN T/P EL. 630.00
COMCAST UTILITY EL. _____

(38) 12" STORM SEWER INVERT EL. 631.60
12" WATER MAIN T/P EL. 630.10

(39) 21" STORM SEWER INVERT EL. 633.75
GAS MAIN B/P EL. _____

(40) AT&T DUCT B/P EL. _____
48" STORM SEWER T/P EL. 634.81

(41) AT&T DUCT B/P EL. _____
12" WATER MAIN T/P EL. 630.10

(42) 12" WATER MAIN T/P EL. 631.50
12" STORM SEWER INVERT EL. 633.10

(43) 6" WATER MAIN T/P EL. 631.50
GAS MAIN EL. _____

(44) ** 42" STORM SEWER T/P EL. 634.50
8" STORM LATERAL T/P EL. 631.70
48" STORM SEWER B/P EL. 630.55

(45) 12" STORM SEWER INVERT EL. 631.35
12" WATER MAIN T/P EL. 629.85

(46) 12" STORM SEWER LATERAL T/P EL. 632.60
GAS MAIN B/P EL. _____

(48) ** 42" STORM SEWER INVERT EL. 630.23
8" STORM LATERAL T/P EL. 632.30

** TEMPORARY DRAINAGE CONNECTIONS TO PROPOSED MANHOLE WILL BE NEEDED FOR CROSSINGS #44 AND #48

HANCOCK ENGINEERING
◆ Civil Engineers
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◆ Established 1911
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Westchester, Illinois 60154-2780
Phone: 708/865-0300
Fax: 708/865-1212

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

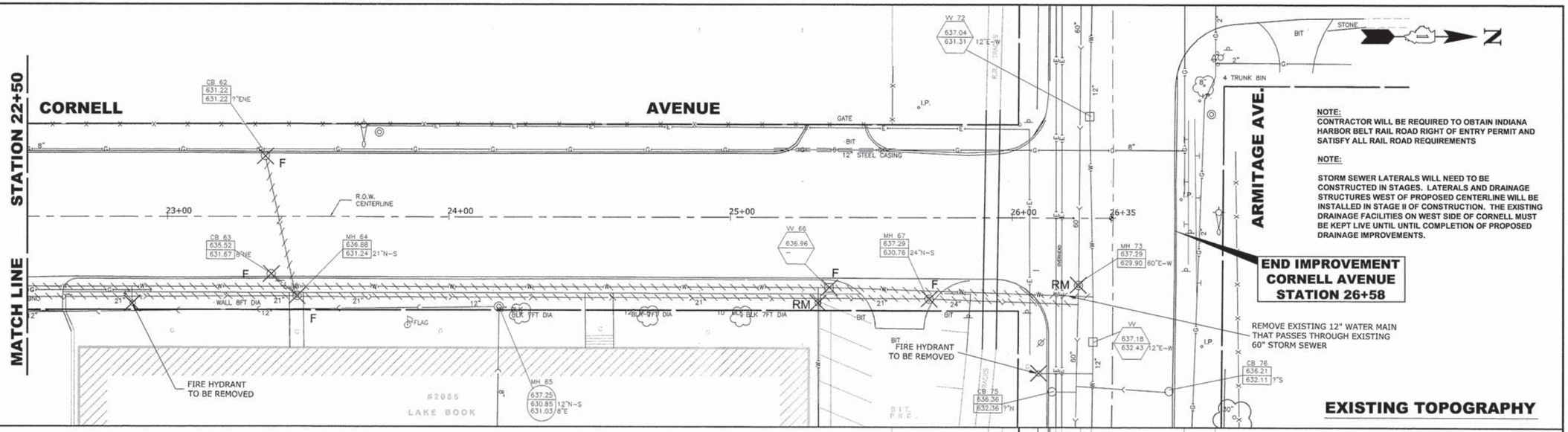
CORNELL AVENUE
UTILITY PLAN AND PROFILE

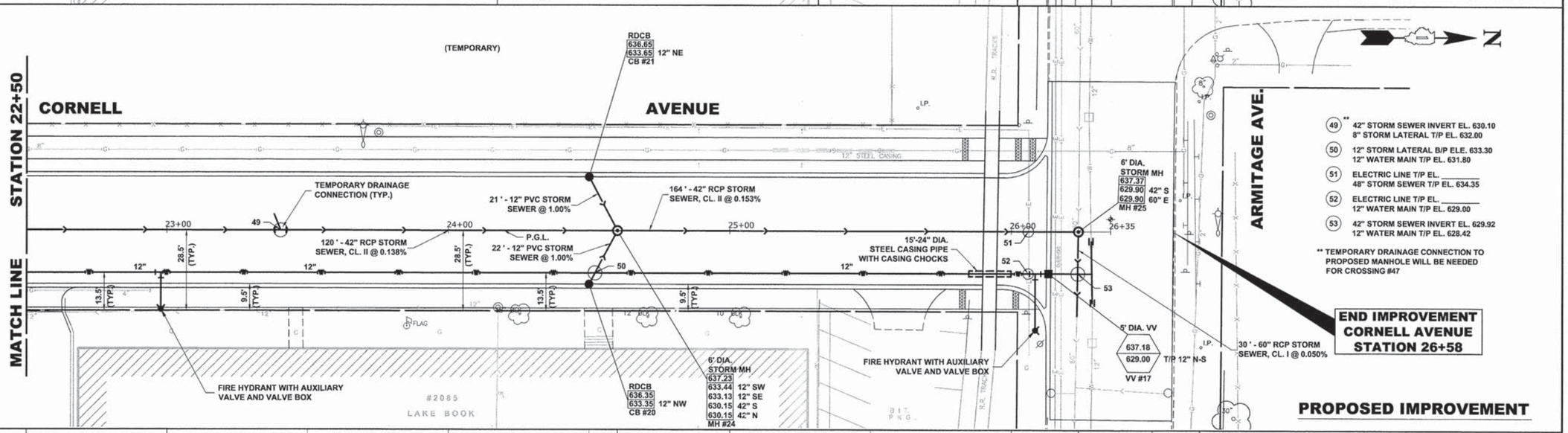
SCALE:H:1"=20',V:1"=4' | SHEET NO. 5 OF 6 SHEETS | STA. 18+00 | TO STA. 22+50

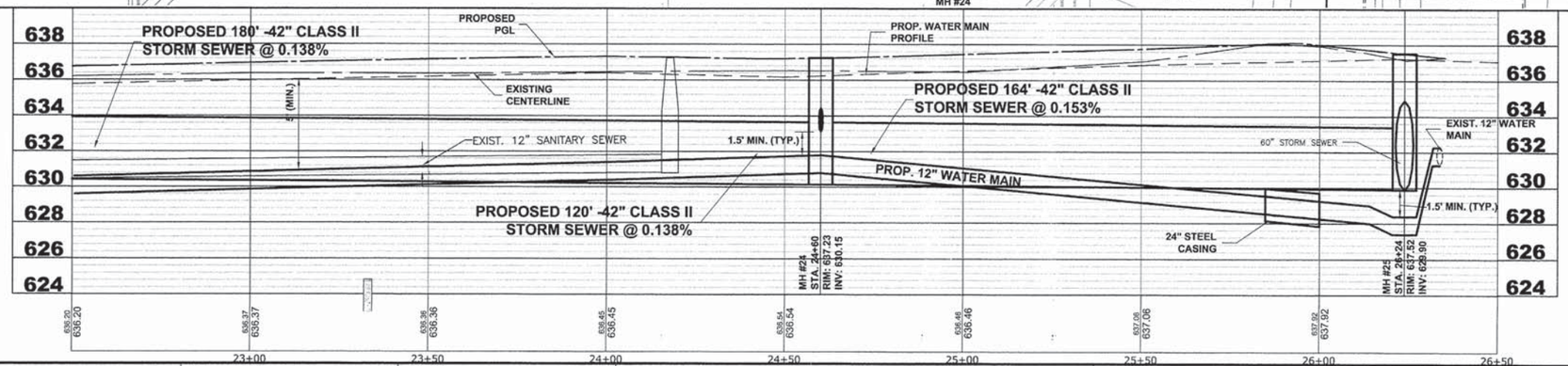
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	31
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

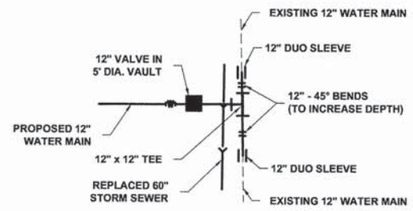
E.H.E. PROJECT NO. 600-13-01801

Drawing file: W:\Projects_by_Village\Melrose Park\60013018 - Cornell Ave Reconstr - Design\Cornell\CORNELL.dwg Oct 16, 2013 - 10:23am









DETAIL OF WATER MAIN CONNECTION AT ARMITAGE AVENUE
(NOT TO SCALE)

Drawing file: W:\Projects_by_Village\Melrose Park\60013018 - Cornell Ave Reconstr - Design\Cornell\CORNELL.dwg Oct 16, 2013 - 10:23am

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9933 Roosevelt Road
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Phone: 708/865-0360
Fax: 708/865-1213

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

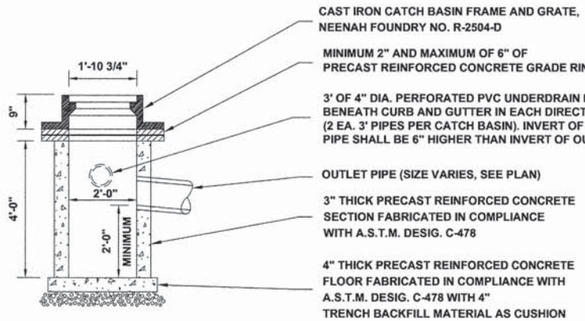
STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

CORNELL AVENUE
UTILITY PLAN AND PROFILE

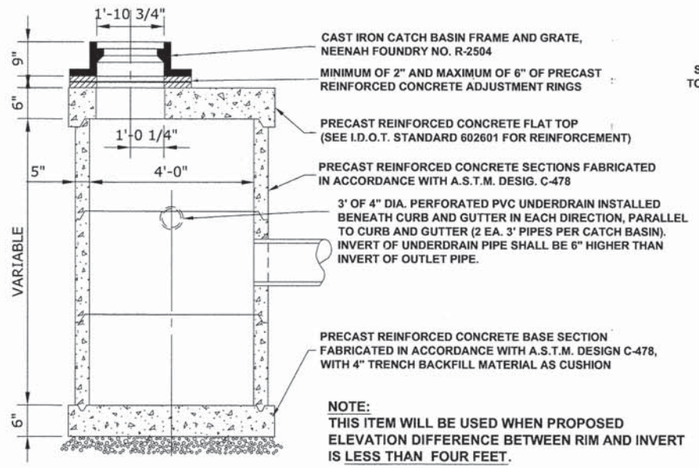
SCALE:H:1"=20',V:1"=4' | SHEET NO. 6 OF 6 SHEETS | STA. 22+50 | TO STA. 26+50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	32
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

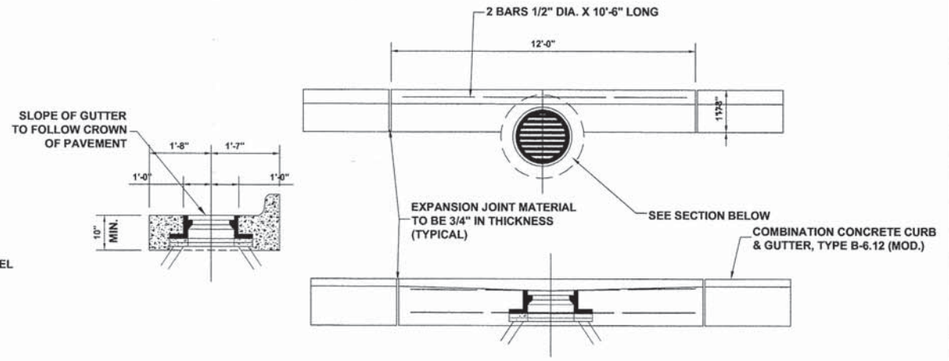


CATCH BASIN, TYPE C , SPECIAL

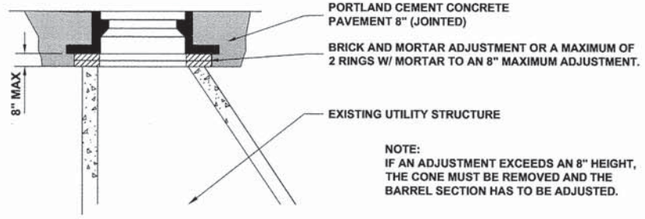


NOTE:
THIS ITEM WILL BE USED WHEN PROPOSED ELEVATION DIFFERENCE BETWEEN RIM AND INVERT IS LESS THAN FOUR FEET.

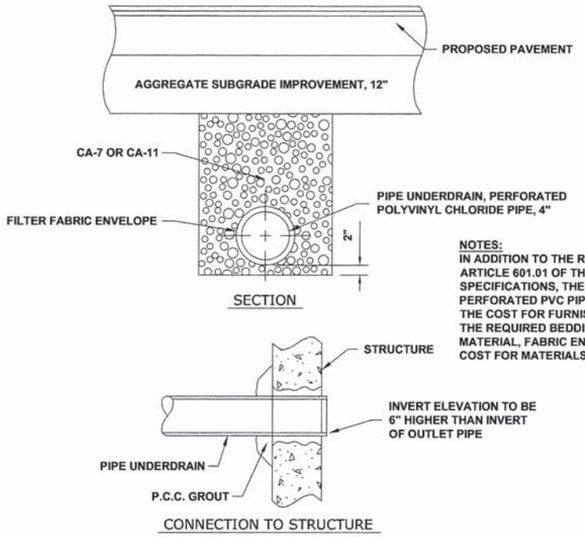
CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 1 FRAME, OPEN LID (SPECIAL)



GUTTER DETAIL AT DRAINAGE STRUCTURE

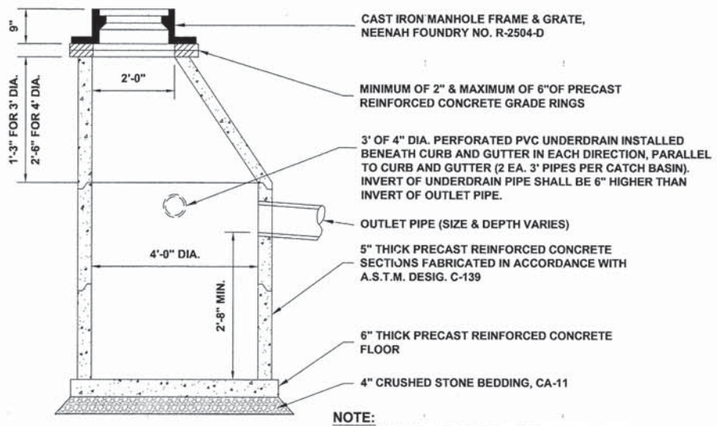


TYPE 1 FRAME ADJUSTMENT



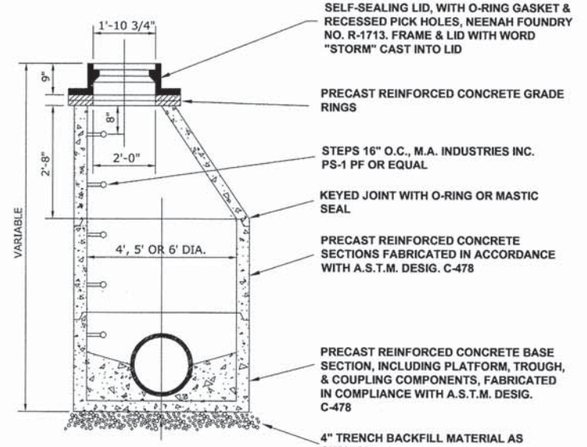
NOTES:
IN ADDITION TO THE REQUIREMENTS OF ARTICLE 601.01 OF THE STANDARD SPECIFICATIONS, THE PIPE UNDERDRAINS, PERFORATED PVC PIPE 4" SHALL INCLUDE THE COST FOR FURNISHING AND PLACING THE REQUIRED BEDDING AND BACKFILL MATERIAL, FABRIC ENVELOPE, AND THE COST FOR MATERIALS.

PIPE UNDERDRAIN DETAIL



NOTE:
THIS ITEM WILL BE USED WHEN PROPOSED ELEVATION DIFFERENCE BETWEEN RIM AND INVERT IS FOUR FEET OR MORE.

CATCH BASINS, TYPE A, 4' DIAMETER, TYPE 1 FRAME, OPEN LID



MANHOLES, TYPE A, 4', 5' OR 6' DIAMETER, TYPE 1 FRAME, CLOSED LID

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◆ Municipal Consultants
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DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

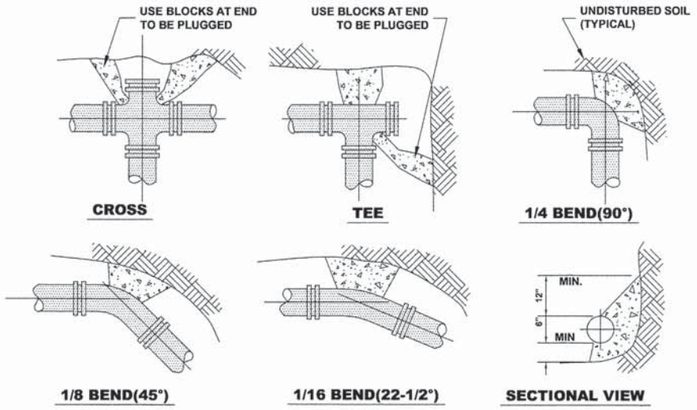
DRAINAGE AND UTILITIES DETAILS

SCALE: NONE | SHEET NO. 2 OF 4 SHEETS | STA. | TO STA.

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	33
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

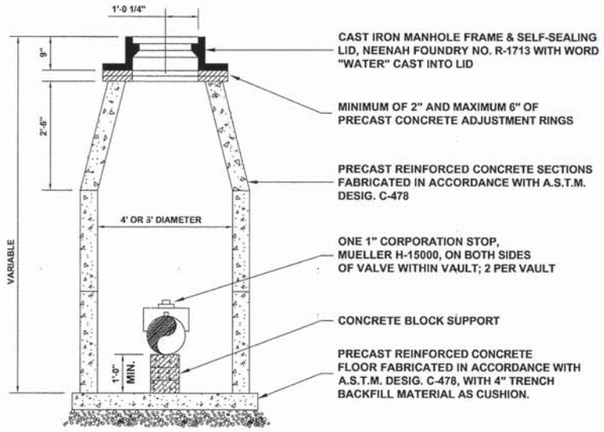
Drawing file: W:\Projects_by_Village\Melrose Park\600130118 - Cornell Ave Reconstr - Design\33-35_Drainage-Details.dwg Oct 16, 2013 - 9:04am



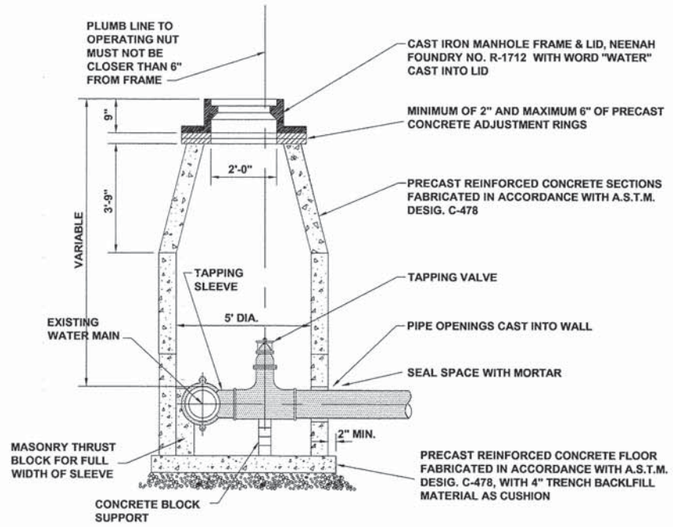
NOTE:

1. THRUST BLOCKS TO BE USED AT 1/16(22-1/2°) OR GREATER BENDS & AT ALL ENDS TO BE PLUGGED.
2. PRECAST CONCRETE THRUST BLOCKS TO BE PLACED AGAINST FIRM, UNDISTURBED SOIL.

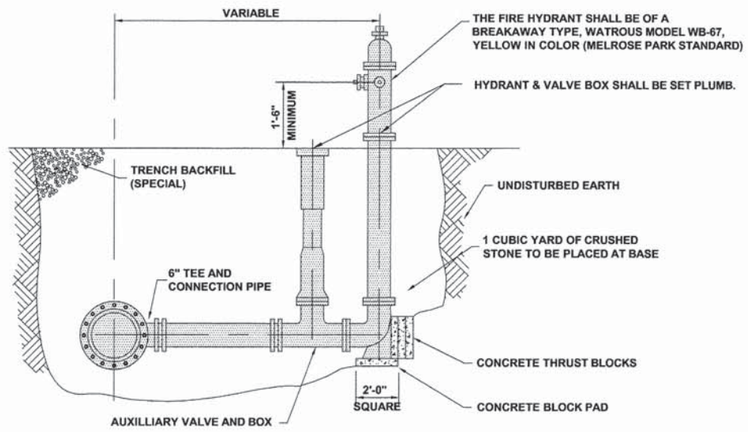
THRUST BLOCK DETAIL



STANDARD VALVE VAULT DETAIL



PRESSURE CONNECTION VALVE VAULT



FIRE HYDRANT DETAIL

HANCOCK ENGINEERING
◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911
9933 Roosevelt Road
Westchester, Illinois 60154-2780
Phone: 708/865-0300
Fax: 708/865-1212

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

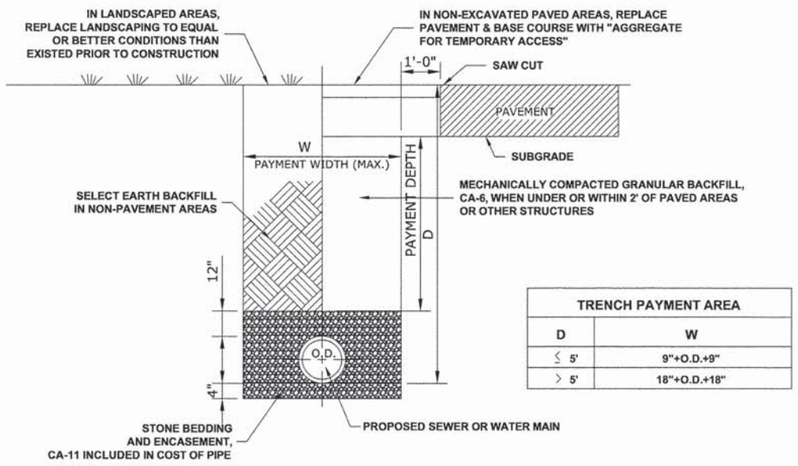
STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

DRAINAGE AND UTILITIES DETAILS

SCALE: NONE | SHEET NO. 3 OF 4 SHEETS | STA. | TO STA.

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	34
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801



TRENCH PAYMENT AREA	
D	W
≤ 5'	9"+O.D.+9"
> 5'	18"+O.D.+18"

TYPICAL SEWER AND WATER MAIN TRENCH DETAIL (ROADWAY)

DRAINAGE AND UTILITIES NOTES

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, COMBINED SEWERS, TELEPHONE LINES, COMMUNICATION LINES, ELECTRIC LINES, GAS MAINS, AND WATER SERVICES ARE APPROXIMATE AND THEIR SPECIFIC LOCATIONS ARE TO BE DETERMINED IN THE FIELD AT NO COMPENSATION TO THE CONTRACTOR.

COORDINATION OF ALL UTILITY WORK INVOLVED WITHIN THE CONSTRUCTION AREAS SHALL BE SUBJECT TO DISCUSSION AND CLARIFICATION AT A PRECONSTRUCTION MEETING.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINAGE STRUCTURES OR SEWERS UNTIL PERMANENT CONNECTIONS TO SEWERS ARE BUILT AND IN SERVICE. THIS WORK SHALL BE PAID FOR AS TEMPORARY DRAINAGE CONNECTIONS.

IF, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIALS ARE DEPOSITED IN THE FLOW LINES OF GUTTERS OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE OBSTRUCTING MATERIALS SHALL BE REMOVED AT THE CLOSE OF EACH WORK DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES ARE TO BE FREE OF ALL DIRT, DEBRIS, AND OBSTRUCTING MATERIALS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.

ALL COSTS INVOLVED IN CONNECTING PROPOSED STORM SEWERS AND STORM STRUCTURES TO EXISTING STORM SEWERS OR PROPOSED STORM SEWERS SHALL BE CONSIDERED INCLUDED IN THE COST OF PROPOSED ITEMS BEING CONSTRUCTED.

ALL PROPOSED WATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH IN THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", SIXTH EDITION, DATED JULY, 2009, AND ALL REVISIONS THERETO.

THE CONTRACTOR SHALL VERIFY THE TYPE OF ALL WATER MAIN HARDWARE INCLUDING VALVES, FIRE HYDRANTS, VALVE BOXES, CORPORATION STOPS, CURB STOPS, AND WATER SERVICES BOXES WITH THE UTILITY SUPERINTENDENT PRIOR TO ORDERING SUCH MATERIAL.

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 OF MELROSE PARK AND BE SALVAGED. THE CONTRACTOR IS TO DELIVER FRAMES AND LIDS TO THE VILLAGE OF MELROSE PARK PUBLIC WORKS YARD LOCATED AT 1002 27TH STREET.

ANY COSTS FOR SHEETING OR SHORING REQUIRED FOR THE STORM SEWER INSTALLATION OR OTHER CONSTRUCTION ELEMENTS REQUIRING RELATIVELY DEEP EXCAVATIONS SHALL BE INCLUDED IN THE PARTICULAR PAYMENT ITEM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY SUPPLEMENTAL WORK ASSOCIATED WITH THE MAINTENANCE OF TRENCH SIDES OR OTHER EXCAVATED AREAS.

UNLESS OTHERWISE SPECIFIED, ABANDONED SEWERS AND DRAINS, AS DESIGNATED BY THE ENGINEER, SHALL BE PLUGGED WITH CLASS "SI" CONCRETE OR BRICK AND SUITABLE MORTAR TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE PAY ITEMS FOR REMOVING AND/OR FILLING THE VARIOUS TYPES OF STRUCTURES.

SEWER PIPE INSTALLED ON THIS PROJECT SHALL CONFORM TO THE FOLLOWING STANDARD:

TYPE OF PIPE	MATERIAL STANDARD	JOINT STANDARD
REINFORCED CONCRETE PIPE	ASTM C-76	ASTM C-443
POLYVINYLCHLORIDE PIPE, SDR 26	ASTM D-2241	ASTM D-3139
DUCTILE IRON PIPE, CLASS 52	ASTM A-21.51	ASTM A-21.11

DUCTILE IRON PIPE SPECIFICATIONS

1. ALL DUCTILE IRON PIPE WATER MAINS AND SEWER MAINS SHALL BE CLASS 52, CEMENT-LINED AND TAR-COATED, MEETING THE REQUIREMENTS OF SPECIFICATIONS ANSI/AWWA C151/A21.51 WITH "PUSH-ON" JOINTS MEETING THE REQUIREMENTS OF SPECIFICATIONS ANSI/AWWA C111/A21.11. WHERE SPECIFIED ON THE PLANS, OR IN THE SPECIFICATIONS, MECHANICAL JOINTS AND "LOCK-TYPE" JOINTS SHALL BE USED IN LIEU OF "PUSH-ON" JOINTS.
2. ALL PIPE FITTINGS AND SPECIAL CASTINGS SHALL BE DUCTILE IRON CONFORMING TO ANSI/AWWA C153/A21.53 AND ANSI/AWWA C111/A21.11 SPECIFICATIONS AND SHALL MEET THE MINIMUM REQUIREMENTS OF CLASS 150 DUCTILE IRON PIPE. IF CERTAIN FITTINGS ARE NOT MANUFACTURED IN DUCTILE IRON, CAST IRON FITTINGS SHALL BE ACCEPTABLE. MECHANICAL JOINT TYPE FITTINGS SHALL BE USED.
3. ALL PROPOSED DUCTILE IRON PIPE WATER MAIN AND SEWER MAIN WILL BE ENCASED WITHIN SIX (6) MIL THICK, HIGH-DENSITY POLYETHYLENE TUBING. ALL FITTINGS SHALL BE ENCASED IN A DOUBLE-LAYER OF POLYETHYLENE TUBING. THE POLYETHYLENE MATERIAL SHALL BE MANUFACTURED AND INSTALLED IN COMPLIANCE WITH ANSI/AWWA C105/A21.5.

PVC PIPE SPECIFICATIONS

1. ALL PVC SEWER PIPE 12" DIAMETER OR LESS SHALL HAVE A MINIMUM STANDARD DIMENSION RATIO (SDR) OF 26 AND SHALL CONFORM TO ASTM DESIGNATION D-2241 (WATER QUALITY PIPE)
2. THE JOINTS SHALL BE RUBBER GASKET AND CONFORM TO ASTM DESIGNATIONS D-3139 AND F-447.

HANCOCK ENGINEERING
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◆ Municipal Consultants
◆ Established 1911
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Fax: 708/865-1312

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

DRAINAGE AND UTILITIES DETAILS

SCALE: NONE | SHEET NO. 4 OF 4 SHEETS | STA. | TO STA.

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	35
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

JOB-SITE SIGNING CODES AND SIZES

SYMBOL	SIGN	CODE & SIZE
S	STOP	R1-1 30"x30"
Y	YIELD	R1-2 36" x 36"
30	SPEED LIMIT 30	R2-1 24"x30"
NPHC	NO PARKING HERE TO CORNER	R7-1 12"x18"
NTP	NO TRUCK PARKING	R7-1 12"x18"
DNBD	TRUCKERS DO NOT BLOCK DRIVEWAY	R7-1 12"x18"
R X-ING R	RAIL CROSSING ROAD	R15-1 48" x 9"
		W1-7 24" x 12"
R R	R R	W10-1 18" DIA.
R-C		W10-3 30"x30"
BIKE		W11-1 30"x 30"

JOB-SITE SIGNING CODES AND SIZES

SYMBOL	SIGN	CODE & SIZE
ARMTG	Armitage Ave.	NEW STREET NAME SIGN AND NEW POST TO BE INSTALLED BY CONTRACTOR (1 EACH) (SIZE TO BE DETERMINED BY ENGINEER)
BLMDL	Bloomingdale Ave.	NEW STREET NAME SIGN AND NEW POST TO BE INSTALLED BY CONTRACTOR (1 EACH) (SIZE TO BE DETERMINED BY ENGINEER)
CORNL	Cornell Ave.	NEW STREET NAME SIGN AND NEW POST TO BE INSTALLED BY CONTRACTOR (1 EACH) (SIZE TO BE DETERMINED BY ENGINEER)
NORTH	North Ave.	NEW STREET NAME SIGN AND NEW POST TO BE INSTALLED BY CONTRACTOR (1 EACH) (SIZE TO BE DETERMINED BY ENGINEER)
IHB	IHB RAILROAD TO REPORT STALLED VEHICLE BLKG CROSSING OR OTHER EMERGENCY CALL: 708-344-3134 REFER TO CROSSING LOCATED AT CORNELL	TO BE REMOVED, SAFELY STORED AND REINSTALLED BY THE CONTRACTOR
PACE	PACE BUS STOP ROUTE 318	TO BE REMOVED AND REPLACED BY PACE
GATE6	GATE 6	TO BE REMOVED, SAFELY STORED AND REINSTALLED BY THE CONTRACTOR

SIGNING NOTES:

DESIGN:	AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 1975.
CONSTRUCTION:	CURRENTS STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS, AND APPLICABLE SPECIAL PROVISIONS.
LOADING:	FOR 80 MPH WIND VELOCITY WITH 30% GUST FACTOR, NORMAL TO SIGN.
SOIL PRESSURE:	MINIMUM ALLOWABLE SOIL PRESSURE = 1.25 TSF.
MATERIALS:	POSTS SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1006.29, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, STATE OF ILLINOIS. HARDWARE FOR ATTACHING SIGN PANELS TO POSTS SHALL BE CADIUM OR ZINC COATED STEEL, STAINLESS STEEL, OR ALUMINUM, AND SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS: CADIUM OR ZINC COATED STEEL: BOLTS, NUTS, AND WASHERS: ASTM A165, TYPE NS. ZINC COATED IN ACCORDANCE WITH AASHTO M-232 OR ASTM A164, TYPE GS.
STAINLESS STEEL:	BOLTS: ASTM A193, CLASS I, GRADE B8, NUTS: ASTM A194, GRADE 8 OR 8F, WASHERS: ASTM A240, TYPE 302 OR 304.
ALUMINUM:	BOLTS: ASTM B211 ALLOY 6061-T6 OR 2024-T4, NUTS: ASTM B211 ALLOY 6061-T6 OR 6262-T9, WASHERS: ASTM B209 ALCLAD 2024-T4.

NOTE:

PER 2009 MUTCD SECTION 2D.42, PARAGRAPH 03, STREET NAME SIGNS ARE TO BE MIXED CASE FONT.

LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION
A	METAL POST - TYPE A

NOTE:

CONTRACTOR SHALL VERIFY MESSAGE AND COLOR OF PROPOSED SIGNAGE WITH ENGINEER PRIOR TO ORDERING.

HANCOCK ENGINEERING
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DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

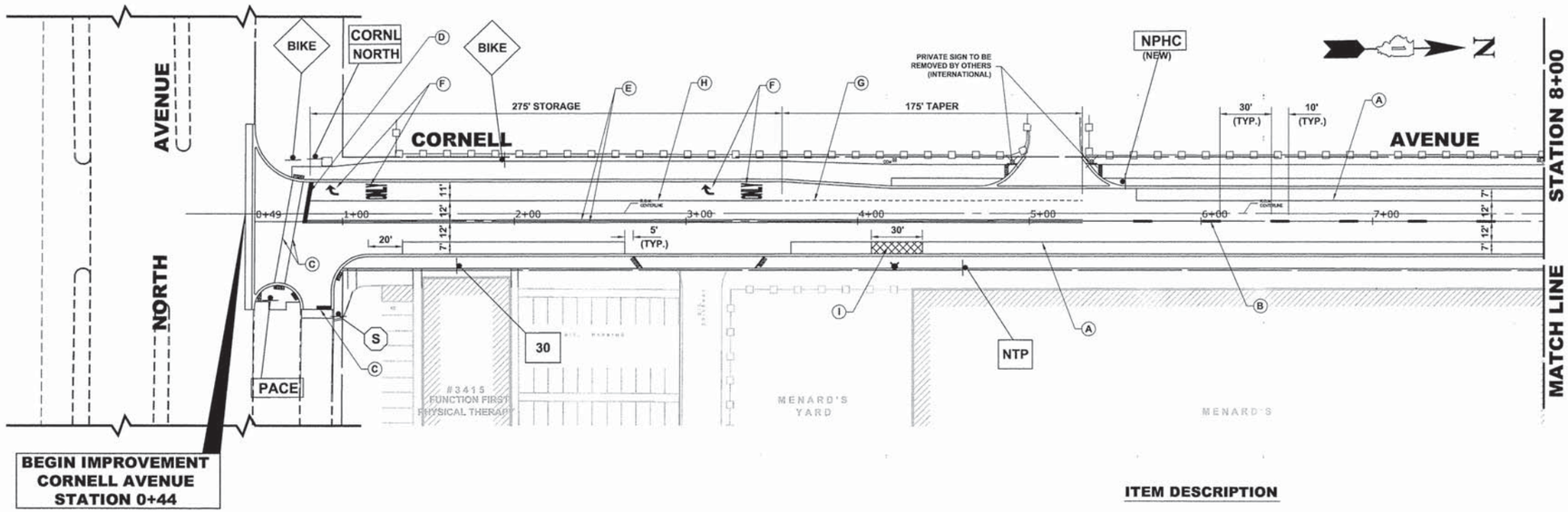
STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

SIGNING LEGENDS AND NOTES

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

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	36
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

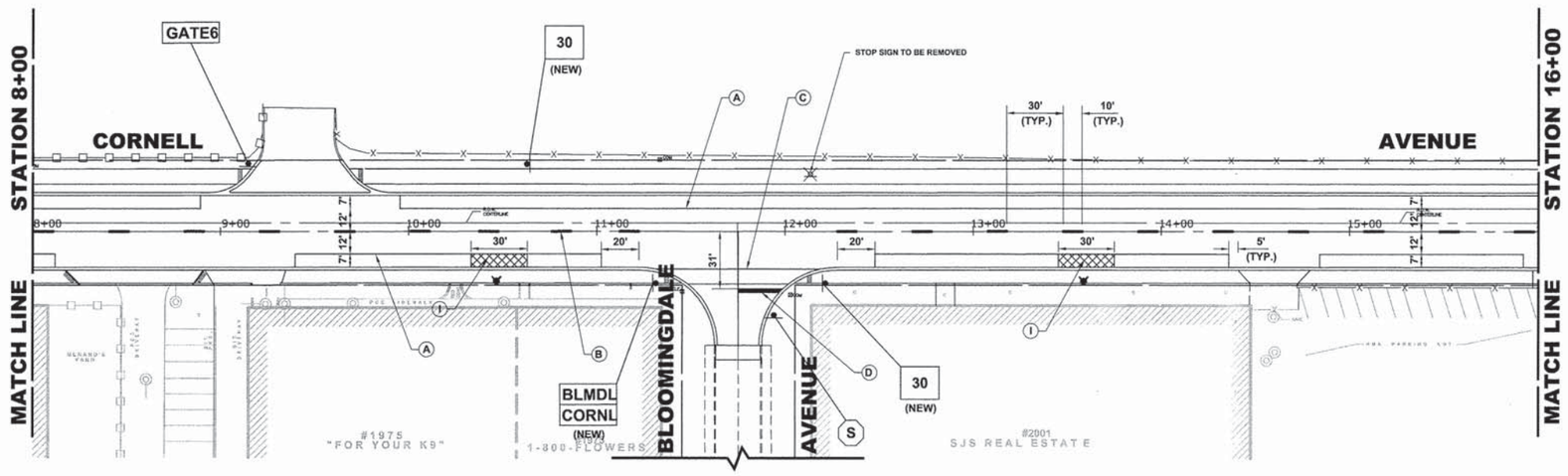


BEGIN IMPROVEMENT
CORNELL AVENUE
STATION 0+44

NOTE:

1. VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS ARE TO BE REMOVED BY THE THE CONTRACTOR PRIOR TO CONSTRUCTION. AS DESIGNATED BY ENGINEER, THE CONTRACTOR SHALL REINSTALL SIGNS AFTER COMPLETION OF PROJECT. REMOVAL AND NEW REPLACEMENT OF VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS AND THEIR POSTS ARE TO BE DETERMINED BY THE ENGINEER. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN " OR "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE I" **PAY ITEM**)
2. STREET NAME SIGNS AND POSTS ARE TO BE REMOVED BY CONTRACTOR AT THE BEGINNING OF CONSTRUCTION, SAFELY STORED BY THE CONTRACTOR AND REINSTALLED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM)
3. ALL POSTS TO BE TYPE A UNLESS OTHERWISE NOTED.
4. CONTRACTOR TO VERIFY LOCATIONS OF ALL SIGNAGE.
5. CONTRACTOR TO CONTACT PACE TO COORDINATE PICK-UP OF THEIR SIGNS AND POSTS AT BEGINNING OF CONSTRUCTION. IF PACE DOES NOT PICK UP SIGNS, CONTRACTOR IS RESPONSIBLE FOR REMOVING AND STORING SIGNS AND POSTS WITHOUT DAMAGE TO THEM. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM).

ITEM DESCRIPTION	SYMBOL
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4", PARKING LANE, WHITE	A
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4", PAVEMENT CENTERLINE SKIP DASH, YELLOW	B
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", CROSS WALK, WHITE	C
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24", STOP BAR, WHITE	D
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4", PAVEMENT CENTERLINE, DOUBLE, YELLOW	E
POLYUREA PAVEMENT MARKING TYPE 1 - LETTERS & SYMBOLS, WHITE	F
POLYUREA PAVEMENT MARKING TYPE 1 - TURN LANE MARKINGS, SKIP-DASH, WHITE, 6"	G
POLYUREA PAVEMENT MARKING TYPE 1 -TURN LANE MARKINGS, SOLID LINE, WHITE, 6"	H
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4", NO PARKING AREA, WHITE	I



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DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

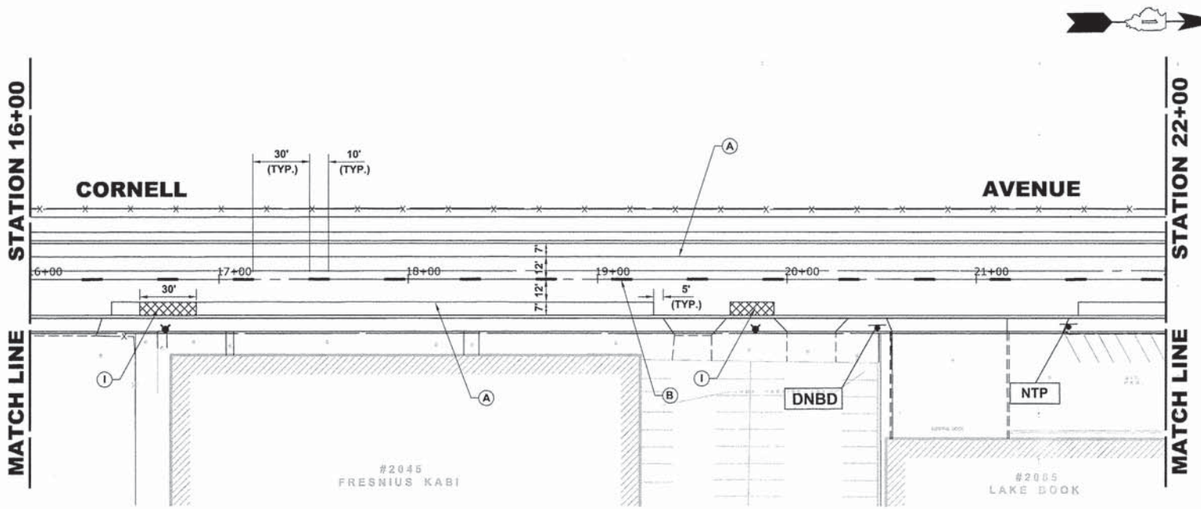
STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 40' | SHEET NO. 1 OF 2 SHEETS | STA. 0+00 | TO STA. 16+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	37
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

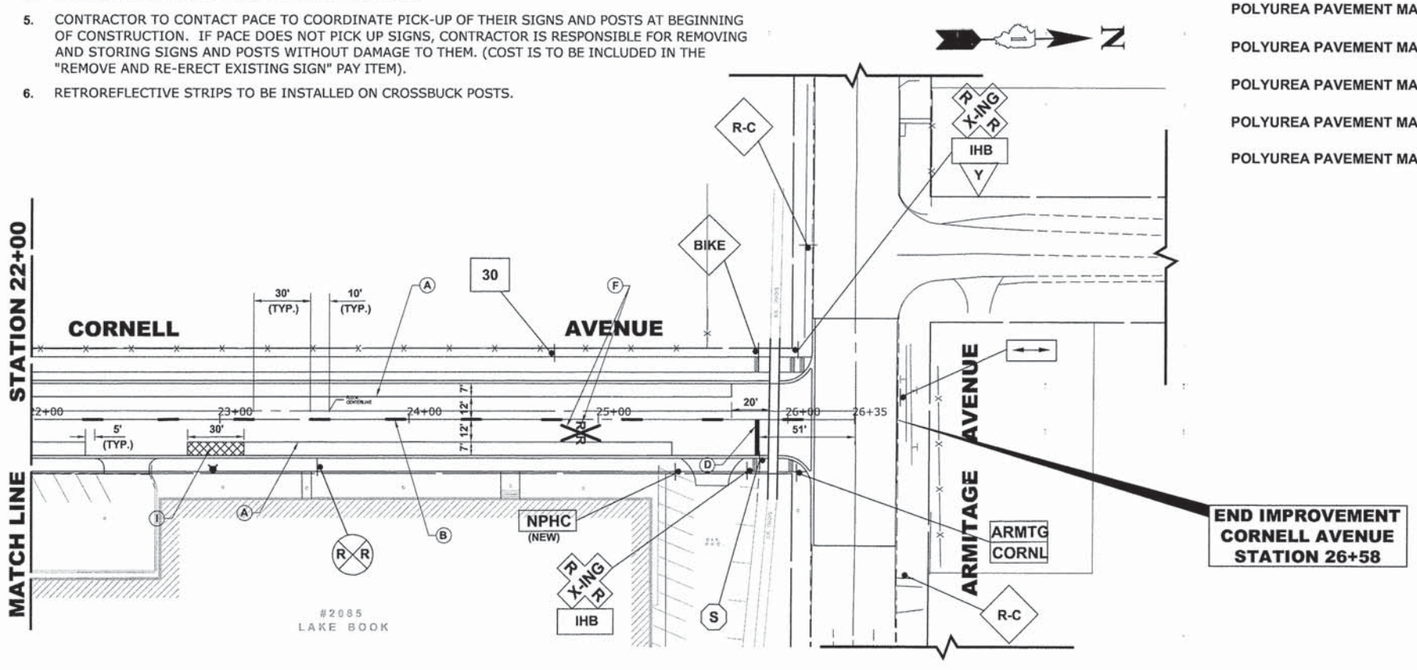
E.H.E. PROJECT NO. 600-13-01801



NOTE:

1. VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS ARE TO BE REMOVED BY THE THE CONTRACTOR PRIOR TO CONSTRUCTION. AS DESIGNATED BY ENGINEER, THE CONTRACTOR SHALL REINSTALL SIGNS AFTER COMPLETION OF PROJECT. REMOVAL AND NEW REPLACEMENT OF VILLAGE MISCELLANEOUS (SPECIALTY) SIGNS AND THEIR POSTS ARE TO BE DETERMINED BY THE ENGINEER. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN " OR "SIGN PANEL - TYPE 1" AND "METAL POST - TYPE I" **PAY ITEM**)
2. STREET NAME SIGNS AND POSTS ARE TO BE REMOVED BY CONTRACTOR AT THE BEGINNING OF CONSTRUCTION, SAFELY STORED BY THE CONTRACTOR AND REINSTALLED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM)
3. ALL POSTS TO BE TYPE A UNLESS OTHERWISE NOTED.
4. CONTRACTOR TO VERIFY LOCATIONS OF ALL SIGNAGE.
5. CONTRACTOR TO CONTACT PACE TO COORDINATE PICK-UP OF THEIR SIGNS AND POSTS AT BEGINNING OF CONSTRUCTION. IF PACE DOES NOT PICK UP SIGNS, CONTRACTOR IS RESPONSIBLE FOR REMOVING AND STORING SIGNS AND POSTS WITHOUT DAMAGE TO THEM. (COST IS TO BE INCLUDED IN THE "REMOVE AND RE-ERECT EXISTING SIGN" PAY ITEM).
6. RETROREFLECTIVE STRIPS TO BE INSTALLED ON CROSSBUCK POSTS.

ITEM DESCRIPTION	SYMBOL
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4", PARKING LANE, WHITE	A
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4", PAVEMENT CENTERLINE SKIP DASH, YELLOW	B
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6", CROSS WALK, WHITE	C
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24", STOP BAR, WHITE	D
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4", PAVEMENT CENTERLINE, DOUBLE, YELLOW	E
POLYUREA PAVEMENT MARKING TYPE 1 - LETTERS & SYMBOLS, WHITE	F
POLYUREA PAVEMENT MARKING TYPE 1 - TURN LANE MARKINGS, SKIP-DASH, WHITE, 6"	G
POLYUREA PAVEMENT MARKING TYPE 1 -TURN LANE MARKINGS, SOLID LINE, WHITE, 6"	H
POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4", NO PARKING AREA, WHITE	I



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DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 40' | SHEET NO. 2 OF 2 SHEETS | STA. 16+00 | TO STA. 27+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	38
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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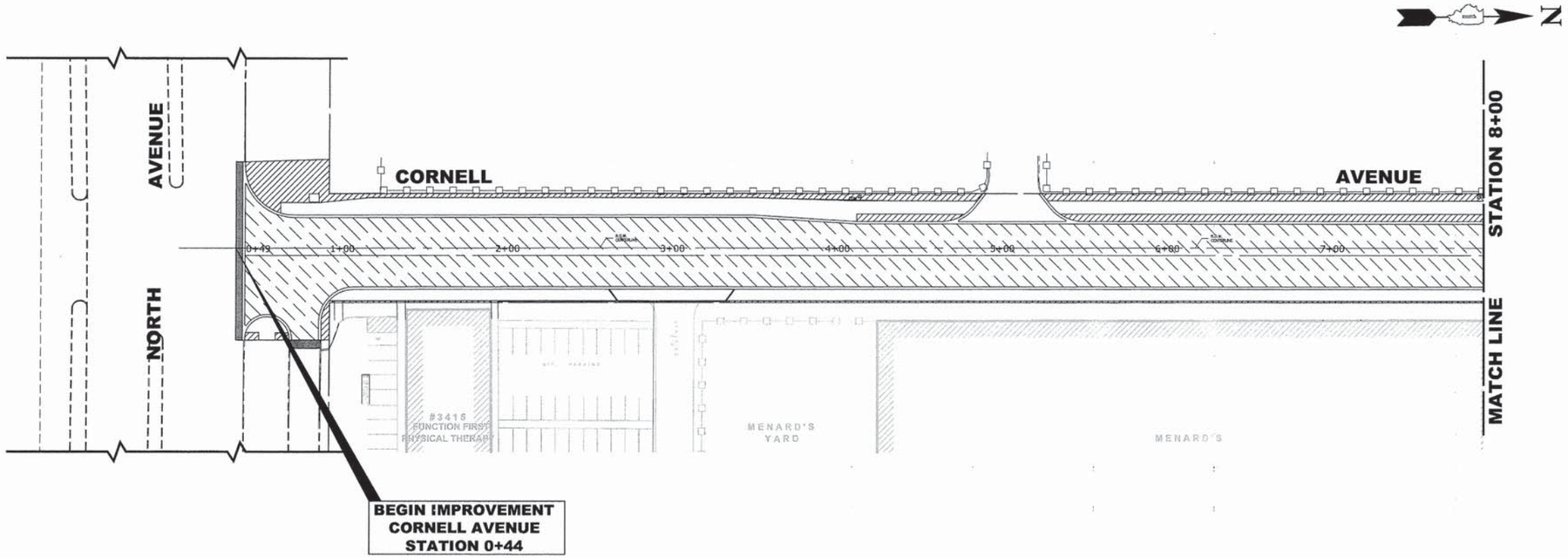


LANDSCAPING NOTES

SODDING:

ALL DISTURBED AREAS INDICATED ON CROSS SECTION OR LANDSCAPING PLANS TO BE SODDED, INCLUDING FERTILIZER NUTRIENTS*, AND SUPPLEMENTAL WATERING WHICH IS TO BE USED AFTER THE INITIAL WATERING (AS SPECIFIED AND AS DIRECTED BY THE ENGINEER) AT THE RATE OF 10 GALLONS PER SQUARE YARD SODDING. SODDED SLOPES WHICH ARE 2:1 OR STEEPER SHALL BE STAKED. (PROVIDE A 3" STRIP AROUND CATCH BASINS IN SEEDED AREAS).

FERTILIZER NUTRIENTS* FOR SODDING:

USE A FERTILIZER WITH A 1:1:1 RATIO PER ACRE:

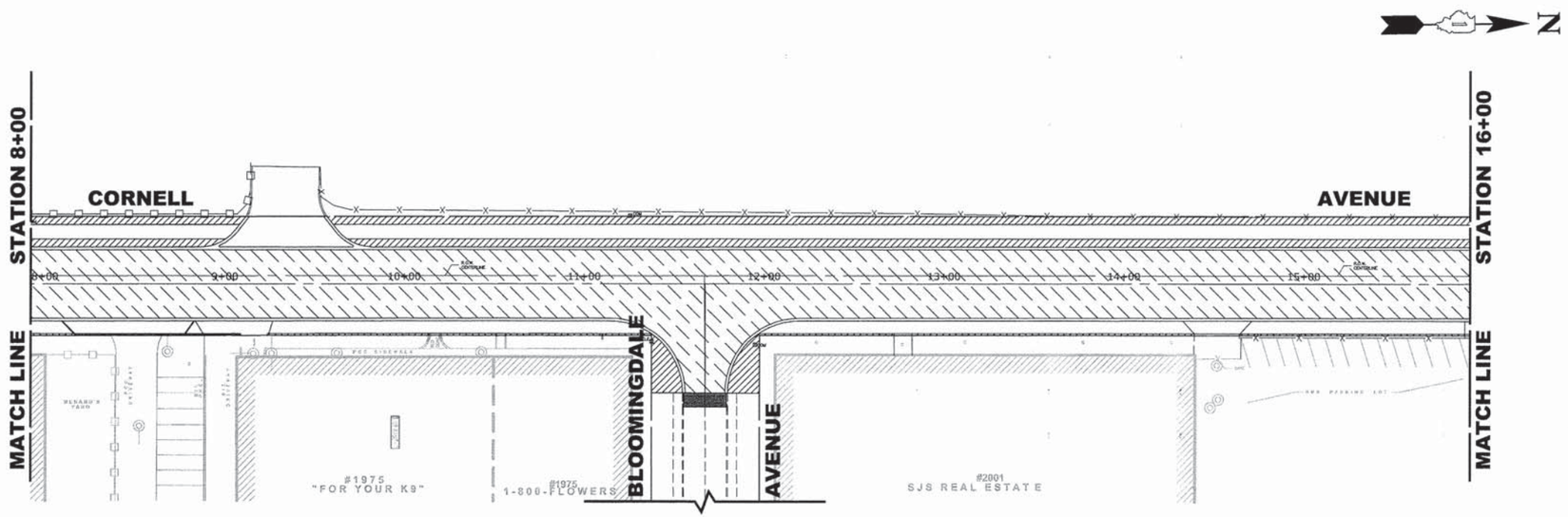
60 LBS. NITROGEN FERTILIZER NUTRIENT
60 LBS. PHOSPHORUS FERTILIZER NUTRIENT
60 LBS POTASSIUM FERTILIZER NUTRIENT

TOTAL: 180 LBS. PER ACRE

4" TOP SOIL LAYER:

SOIL SHALL BE SPREAD AS INDICATED ON THE TYPICAL CROSS SECTIONS.

A MINIMUM OF GRADING TO BE PERMITTED WITHIN AN APPROXIMATE RADIUS OF 6' FROM ALL TREES TO BE SAVED AS DETERMINED BY THE ENGINEER.



LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION
	PROPOSED CONCRETE PAVEMENT AREA
	PROPOSED CONCRETE AREA
	PROPOSED SODDED PARKWAY
	PROPOSED HOT-MIX ASPHALT AREA

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DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
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DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

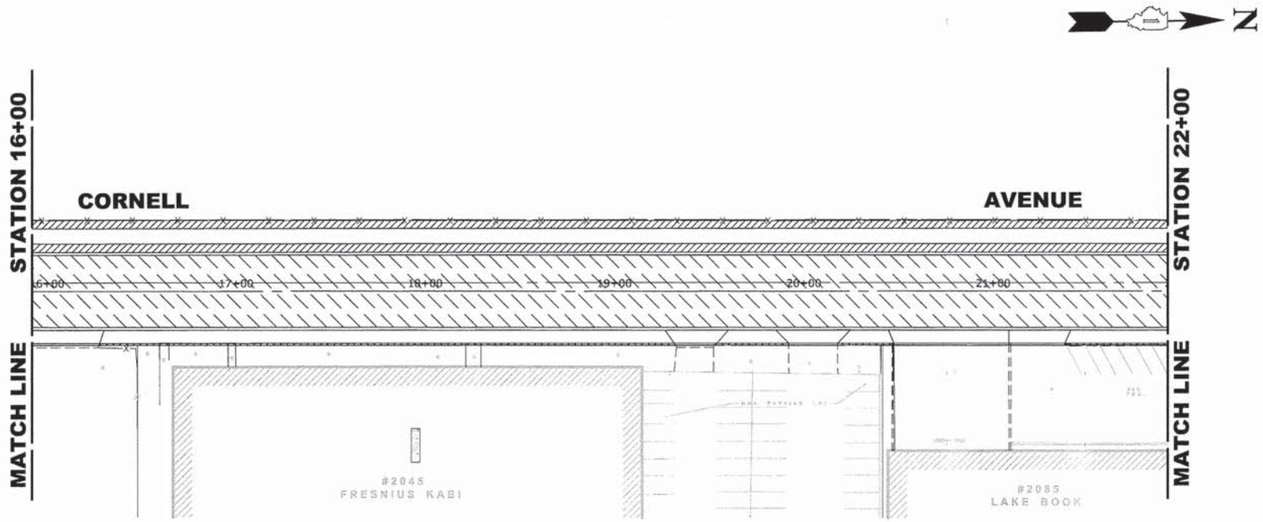
CONCRETE AND LANDSCAPING PLAN

SCALE: 1" = 40' | SHEET NO. 1 OF 2 SHEETS | STA. 0+00 | TO STA. 16+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	39
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

Drawing file: W:\Projects_by_Village\Melrose Park\600130318 - Cornell Ave Reconstr - Design\25--42_Cornell_40scale.dwg Oct 16, 2013 - 9:16am



LANDSCAPING NOTES

SODDING:

ALL DISTURBED AREAS INDICATED ON CROSS SECTION OR LANDSCAPING PLANS TO BE SODDED, INCLUDING FERTILIZER NUTRIENTS*, AND SUPPLEMENTAL WATERING WHICH IS TO BE USED AFTER THE INITIAL WATERING (AS SPECIFIED AND AS DIRECTED BY THE ENGINEER) AT THE RATE OF 10 GALLONS PER SQUARE YARD SODDING. SODDED SLOPES WHICH ARE 2:1 OR STEEPER SHALL BE STAKED. (PROVIDE A 3" STRIP AROUND CATCH BASINS IN SEEDED AREAS).

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TOTAL: 180 LBS. PER ACRE

4" TOP SOIL LAYER:

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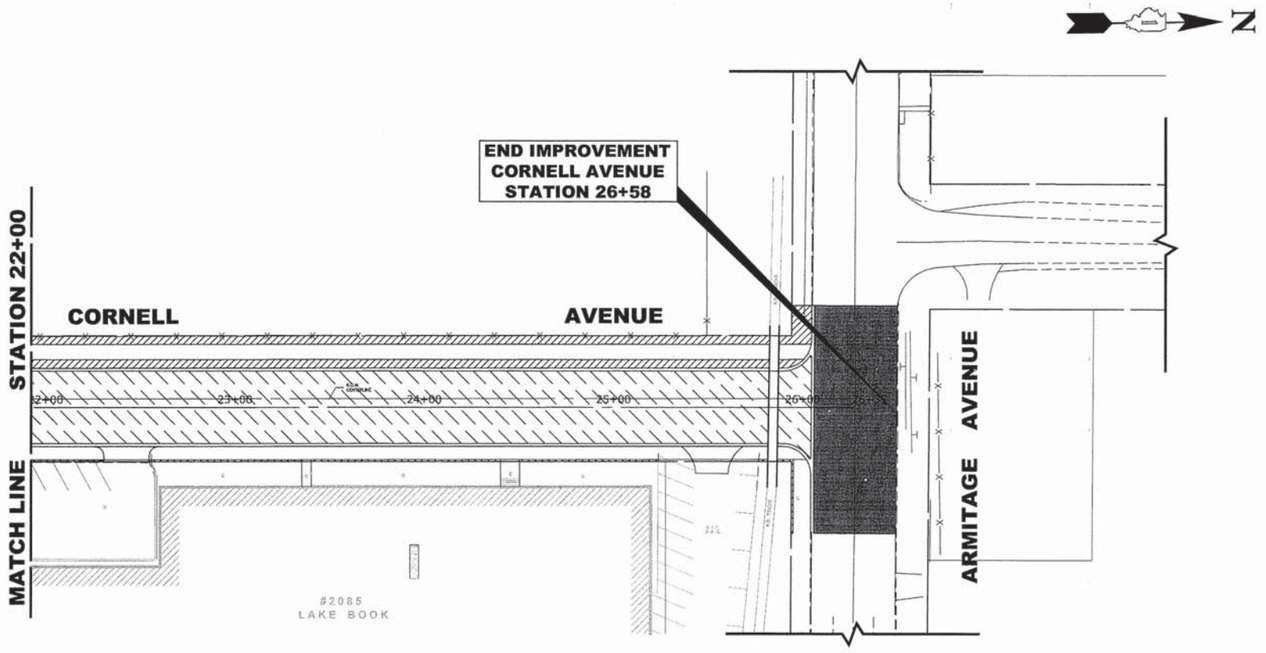
A MINIMUM OF GRADING TO BE PERMITTED WITHIN AN APPROXIMATE RADIUS OF 6' FROM ALL TREES TO BE SAVED AS DETERMINED BY THE ENGINEER.



LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION
	PROPOSED CONCRETE PAVEMENT AREA
	PROPOSED CONCRETE AREA
	PROPOSED SODDED PARKWAY
	PROPOSED HOT-MIX ASPHALT AREA

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DATE -	10-15-13	REVISED -

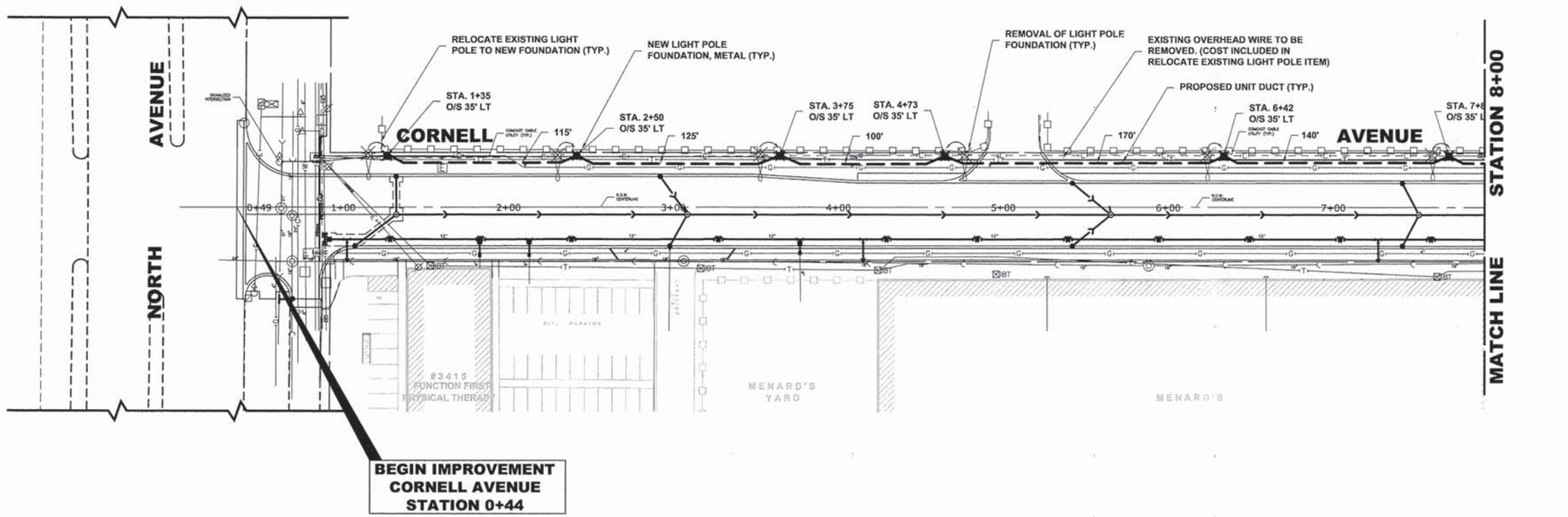
STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

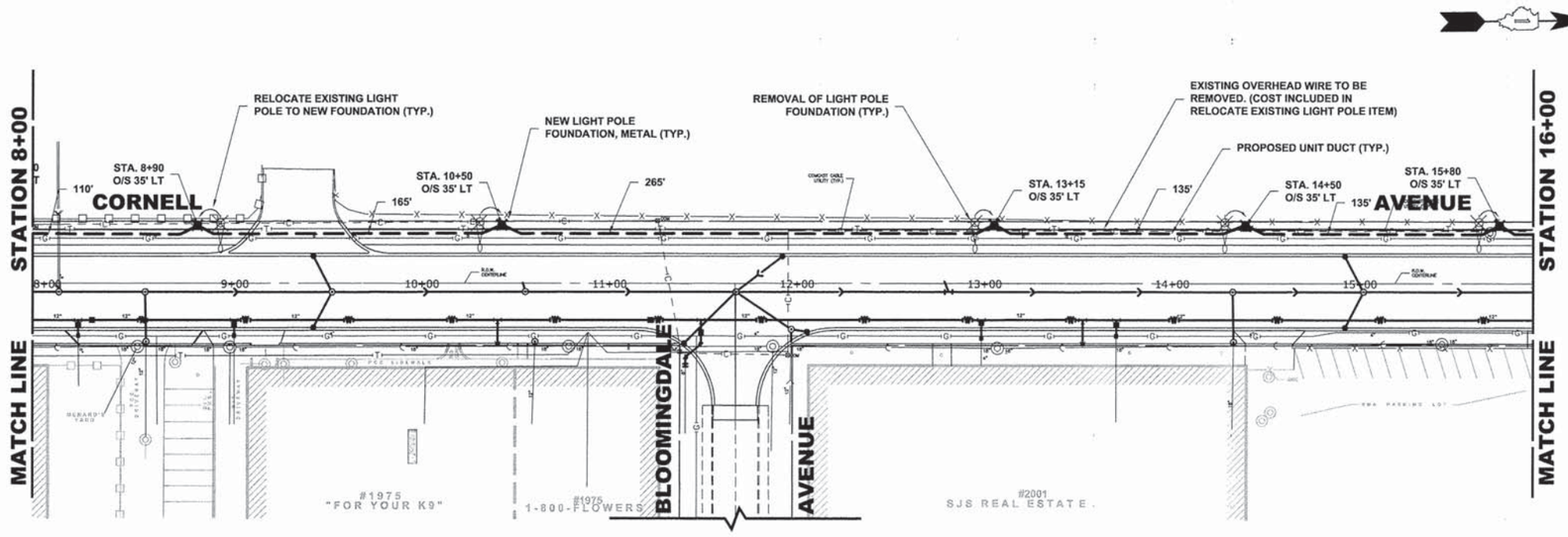
CONCRETE AND LANDSCAPING PLAN

SCALE: 1" = 40' | SHEET NO. 2 OF 2 SHEETS | STA. 16+00 | TO STA. 27+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	40
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801





HANCOCK ENGINEERING
◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911
9933 Roosevelt Road
Westchester, Illinois 60154-2780
Phone: 708/865-0300
Fax: 708/865-1212

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

STREET LIGHT WIRING PLAN

SCALE: 1" = 40' | SHEET NO. 1 OF 2 SHEETS | STA. 0+00 | TO STA. 16+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	41
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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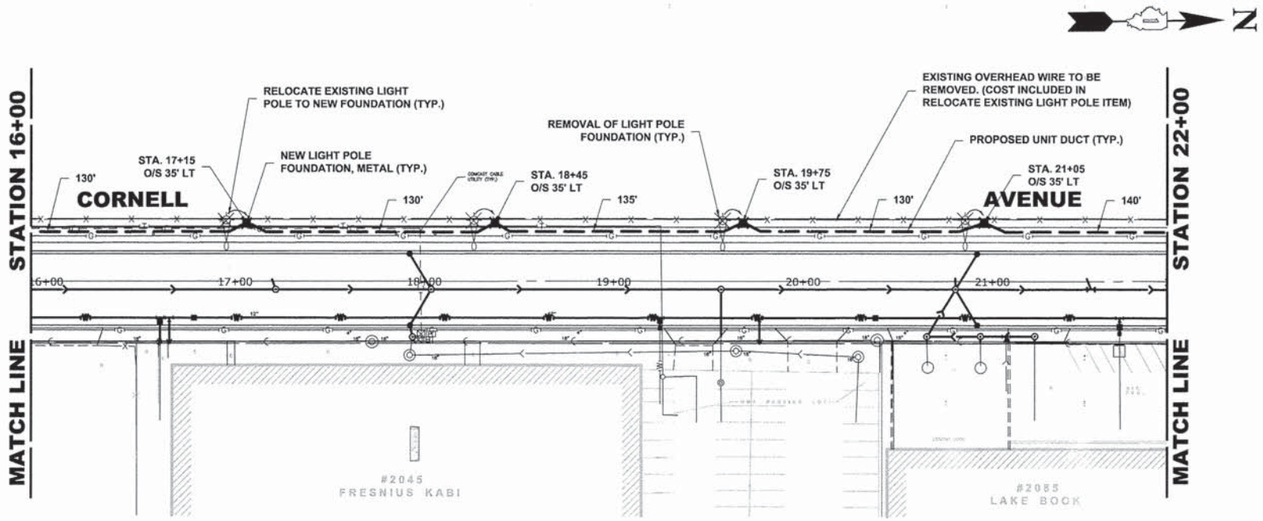

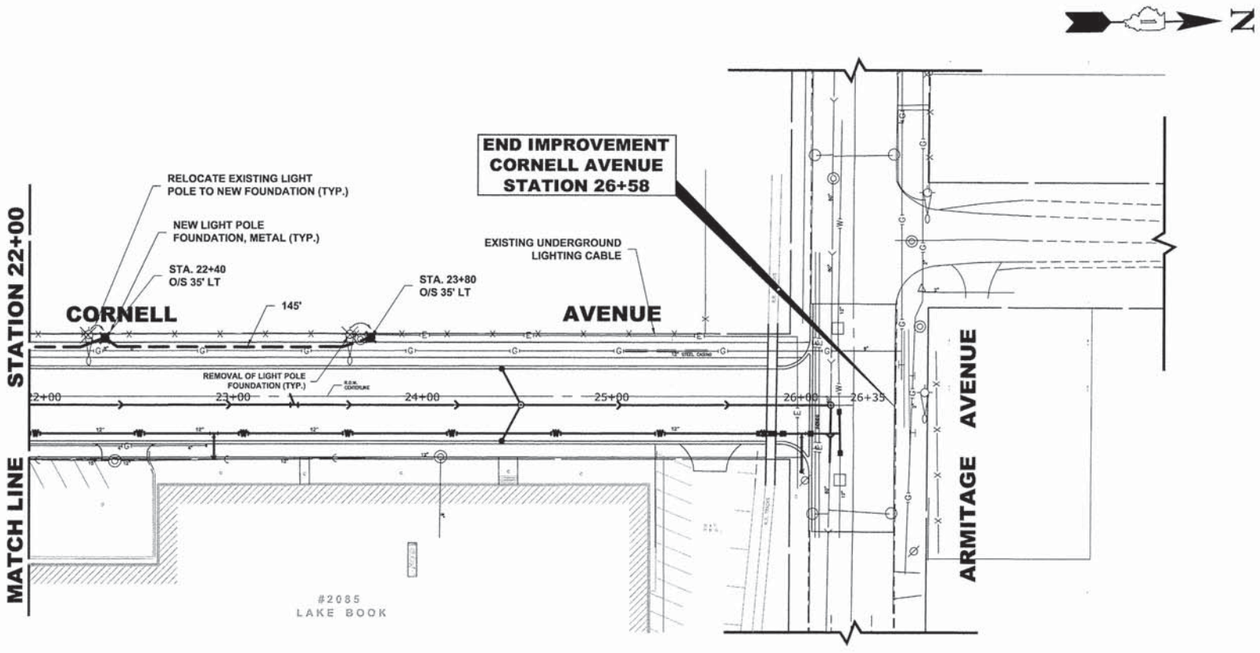

HANCOCK ENGINEERING
◆ Civil Engineers
◆ Municipal Consultants
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9933 Roosevelt Road
Westchester, Illinois 60154-2780
Phone: 708/865-0300
Fax: 708/865-1212

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

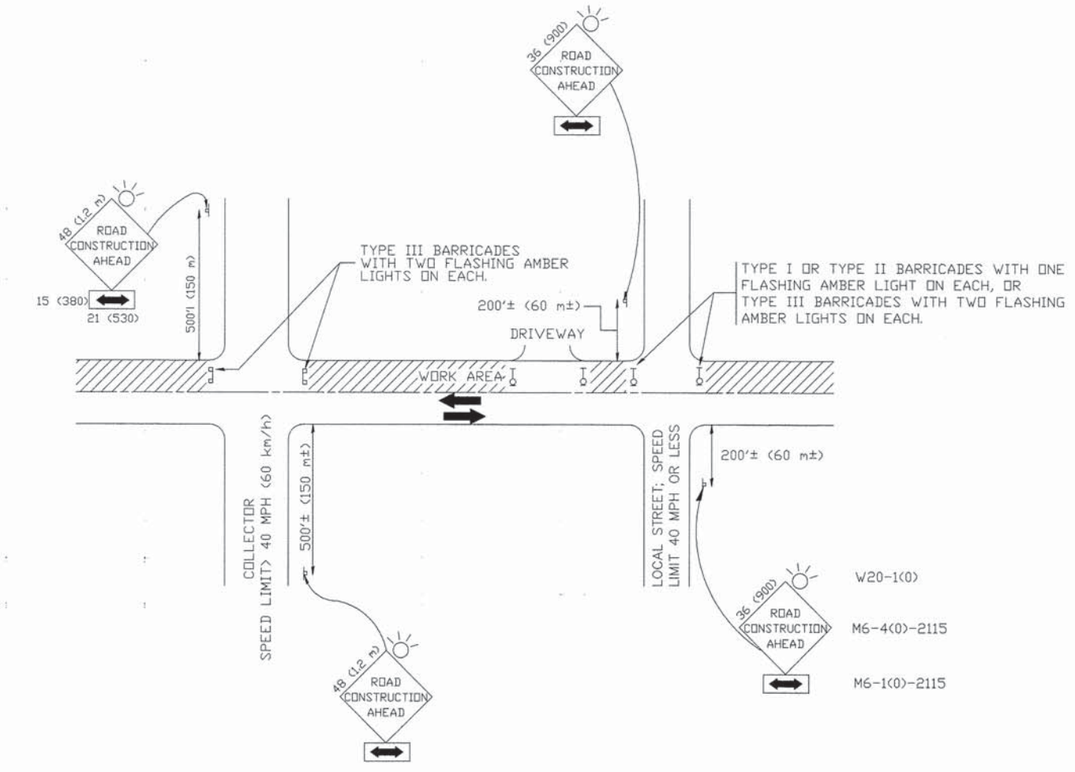
STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

STREET LIGHT WIRING PLAN

SCALE: 1" = 40' | SHEET NO. 2 OF 2 SHEETS | STA. 16+00 | TO STA. 27+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	42
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801



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.

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	43
	TC-10	CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT -		

E.H.E. PROJECT NO. 600-13-01801

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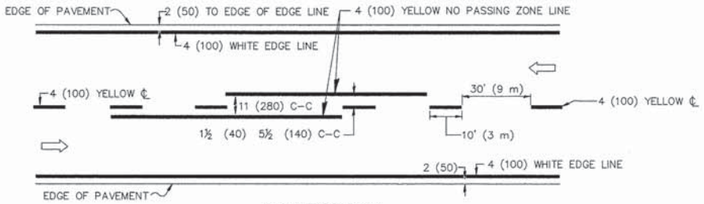
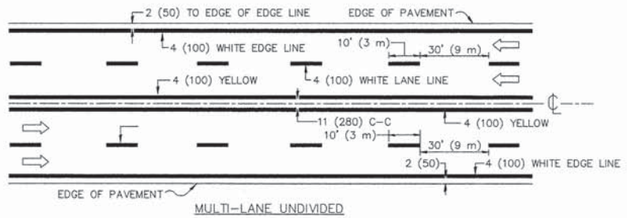
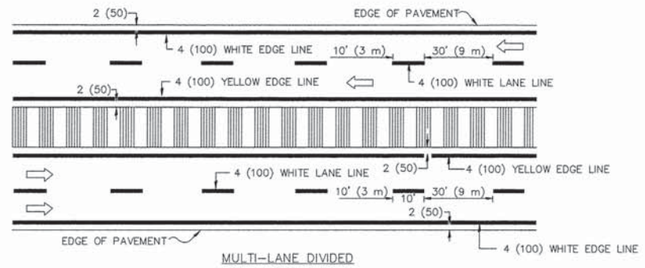


2-LANE ROADWAY



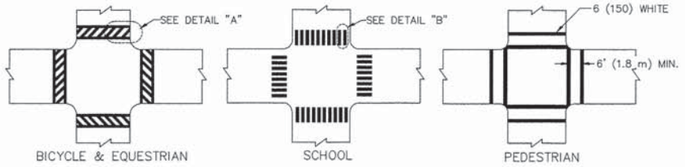
MULTI-LANE UNDIVIDED

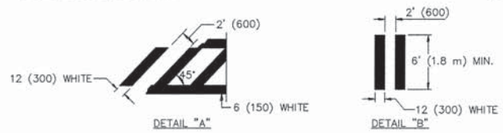


MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

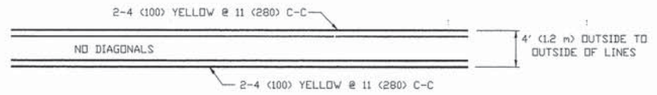
NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

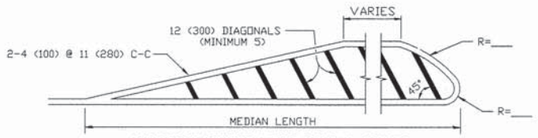




TYPICAL CROSSWALK MARKING



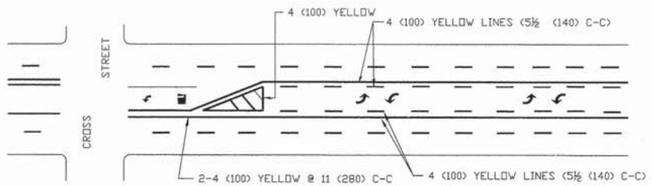
4' (1.2 m) WIDE MEDIANS ONLY



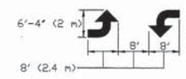
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

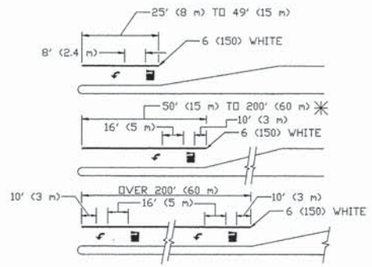


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

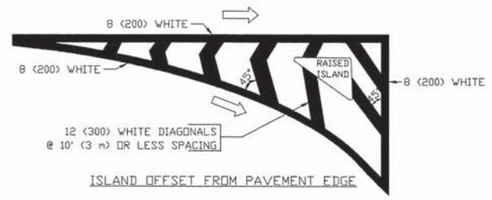


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

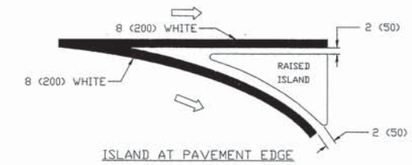
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND 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' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	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 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° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	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 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
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.

FILE NAME =	USER NAME = drivakosgn	DESIGNED - EVERS	REVISED - T.RAMMACHER 10-27-94
		DRAWN -	REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	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.

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	44
	TC-13	CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

Drawing file: W:\Projects_by_Village\Melrose Park\60013018 - Cornell Ave Reconstr - Design\44-TC13.dwg Oct 16, 2013 - 9:33am

ROUTE MARKERS

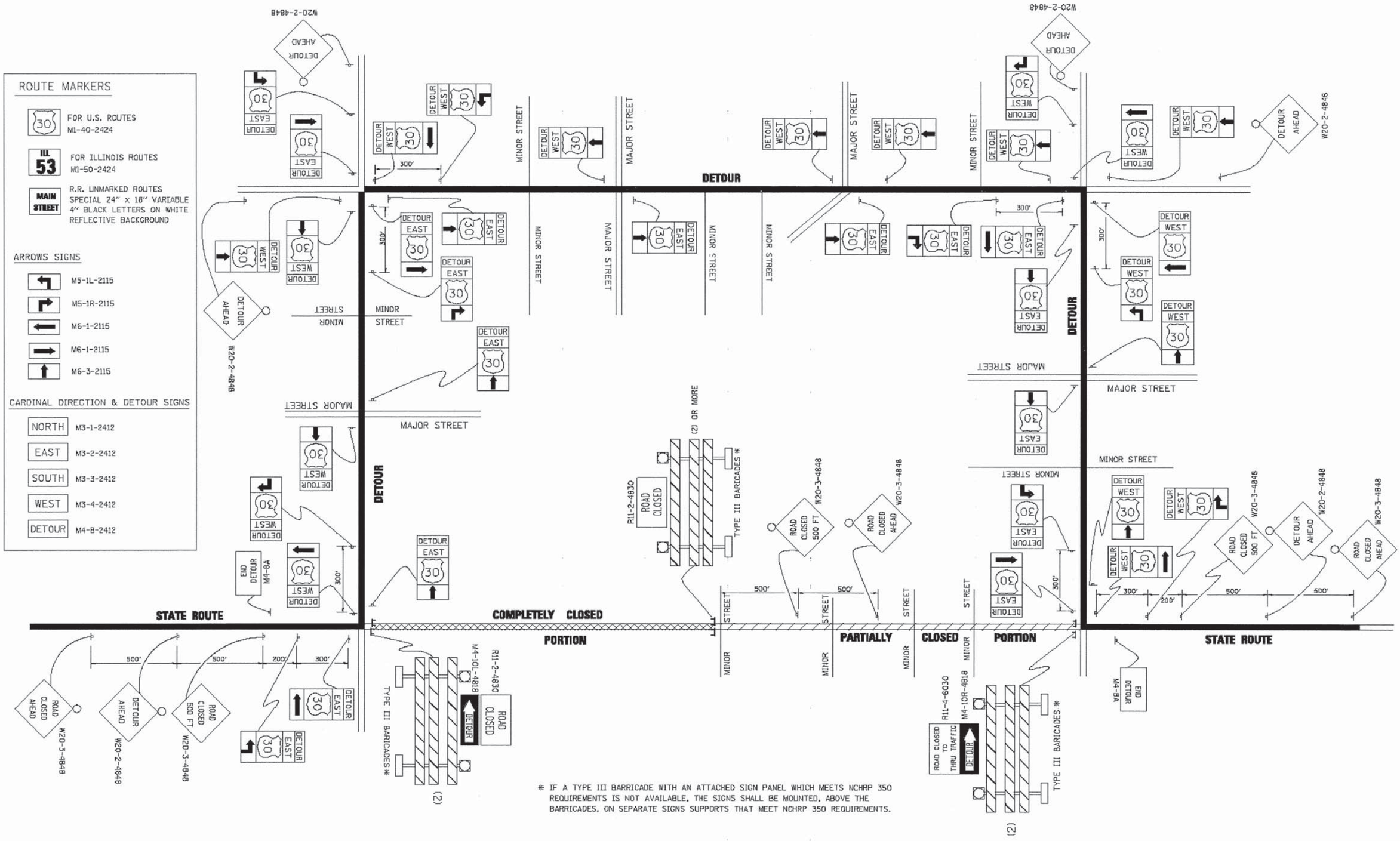
- 30 — FOR U.S. ROUTES — M1-40-2424
- ILL 53 — FOR ILLINOIS ROUTES — M1-50-2424
- MAIN STREET — R.R. UNMARKED ROUTES SPECIAL 24" x 18" VARIABLE 4" BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

ARROWS SIGNS

- M5-1L-2115
- M5-1R-2115
- M6-1-2115
- M6-1-2115
- M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

- NORTH — M3-1-2412
- EAST — M3-2-2412
- SOUTH — M3-3-2412
- WEST — M3-4-2412
- DETOUR — M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME = o:\pw_work\PWIDOT\DRIVAKOSON\d0158318\tc21.dgn	USER NAME = drivakosgn	DESIGNED -	REVISED - 10-18-02
		DRAWN -	REVISED - R. BORO 09-14-09
	PLOT SCALE = 49.9999 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/14/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING
FOR CLOSING STATE HIGHWAYS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	45
	TC-21	CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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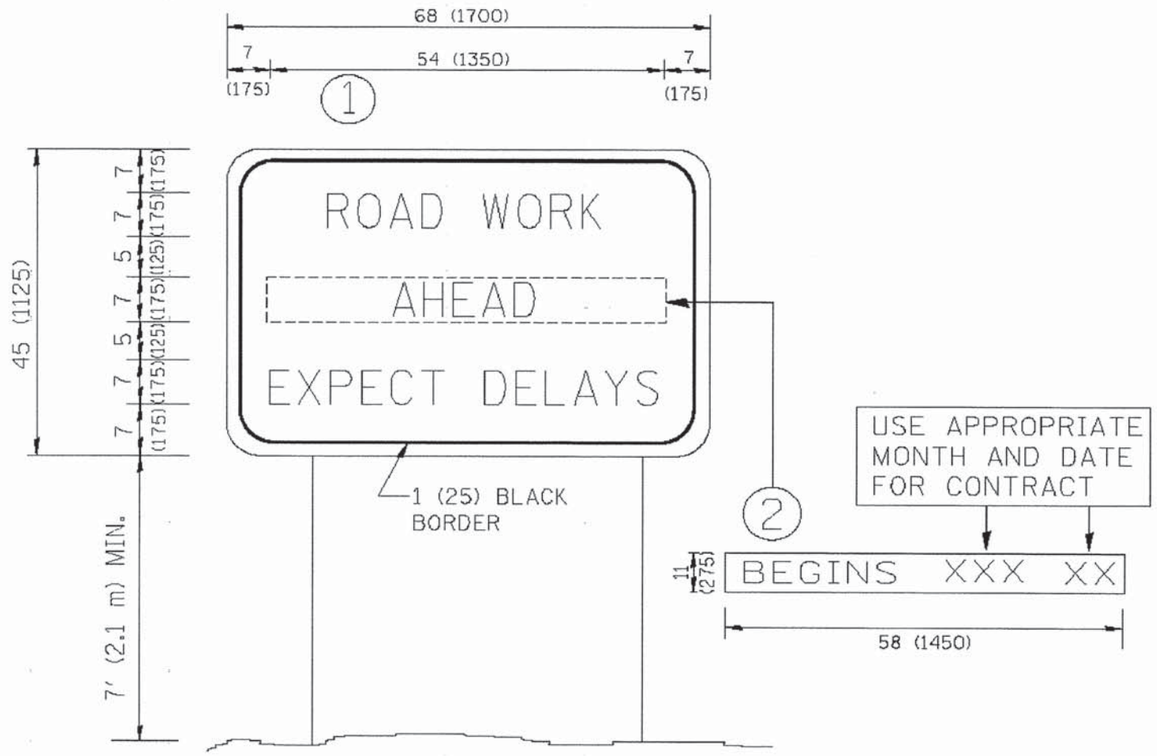


NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\dist\d22c34\te22.dgn	USER NAME = gaglsenobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -T. RANMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	46
	TC-22	CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT -		

E.H.E. PROJECT NO. 600-13-01801

Drawing file: W:\Projects_by_Village\Melrose Park\600130118 - Cornell Ave Reconstr - Design\46-TC_22_2013.dwg Oct 16, 2013 - 9:34am

3.0'' RADIUS, 0.5'' BORDER, WHITE ON GREEN; REFLECTORIZED
''DRIVEWAY'' D; ''ENTRANCE'' D; STANDARD ARROW CUSTOM 12.0'' x 5.0''

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM ''TEMPORARY INFORMATION SIGNING''.

FILE NAME = c:\pw_work\pwidot\gaglianobt\d0108315\tc26.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	PLOT SCALE = 50.000 '/ in.	DRAWN -	REVISED -
	PLOT DATE = 12/13/2012	CHECKED -	REVISED -
		DATE -	REVISED -

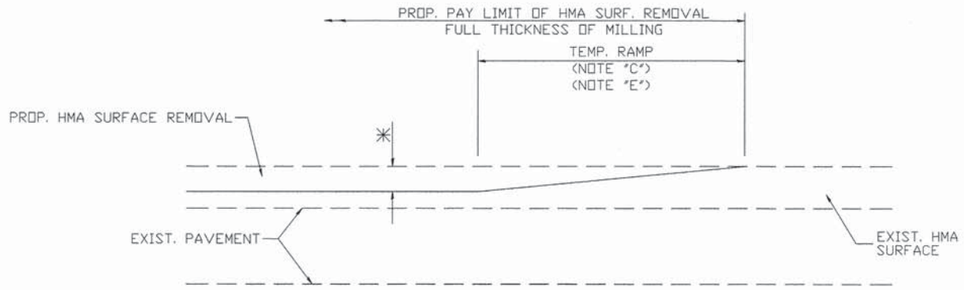
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	47
	TC-26	CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT -			

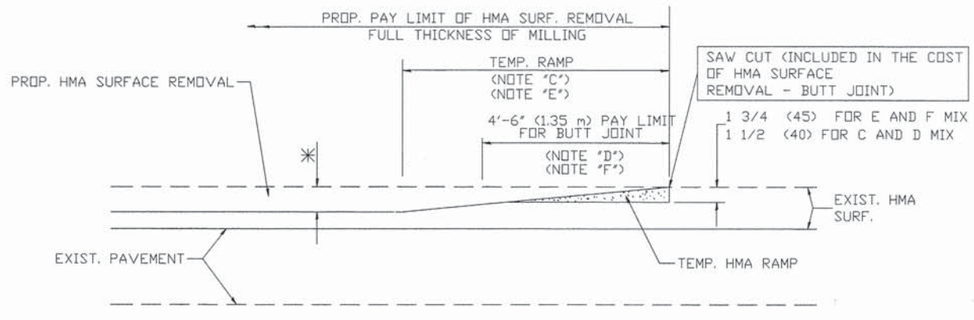
E.H.E. PROJECT NO. 600-13-01801



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

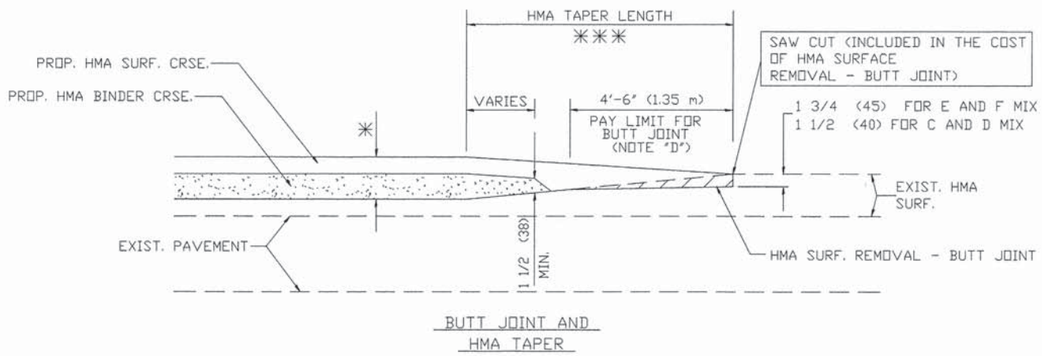


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

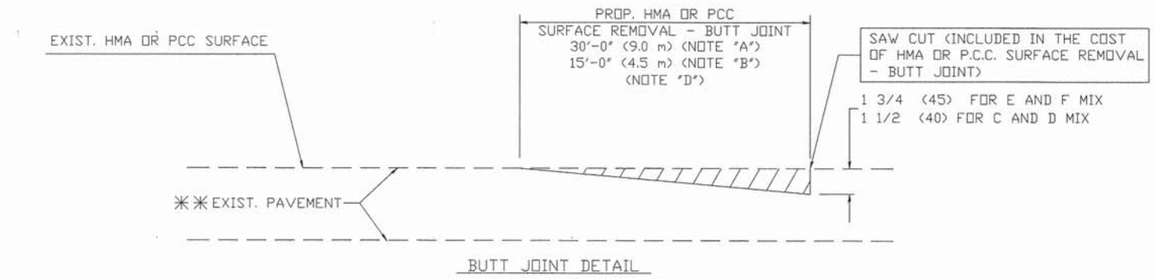
OPTION 2

TYPICAL TEMPORARY RAMP

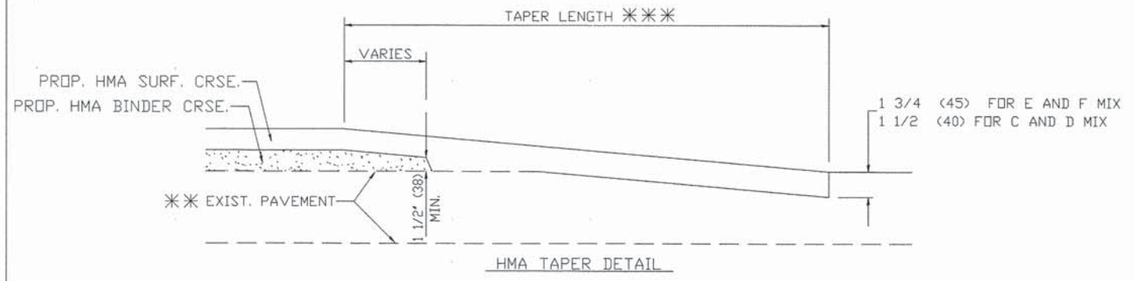


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

USER NAME =	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT SCALE =	CHECKED -	REVISED - M. GOMEZ 04-06-01
PLOT DATE =	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	48
	BD400-05 (BD-32)	CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT -		

E.H.E. PROJECT NO. 760-12-05201

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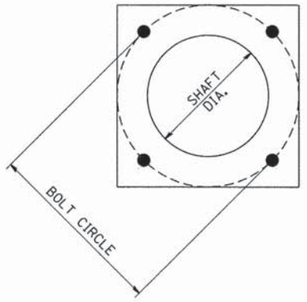

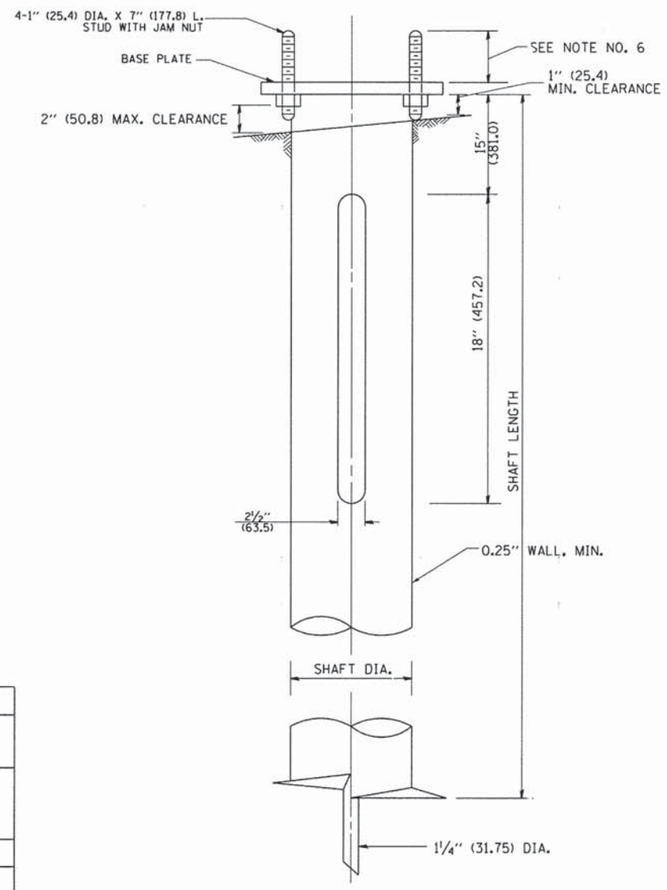

HELIX FOUNDATION SIZE

POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11½"	8⅝"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11½"	8⅝"	6 FT.	12"x12"x1"
36 FT.-40FT.	15"	8⅝"	6 FT.	15"x15"x1¼"
41 FT.-45 FT.	15"	8⅝"	6 FT.	15"x15"x1¼"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1¼"

METAL HELIX FOUNDATION MATERIALS

ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

NOTES:

1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN ¼" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDTION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS (± 1°) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE (± 2°).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

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		DRAWN - DLB	REVISED -
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE - 02-27-07	REVISED -

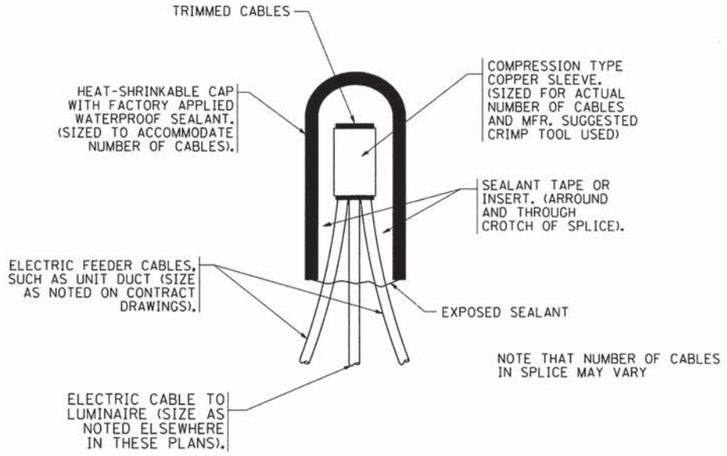
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION, METAL

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

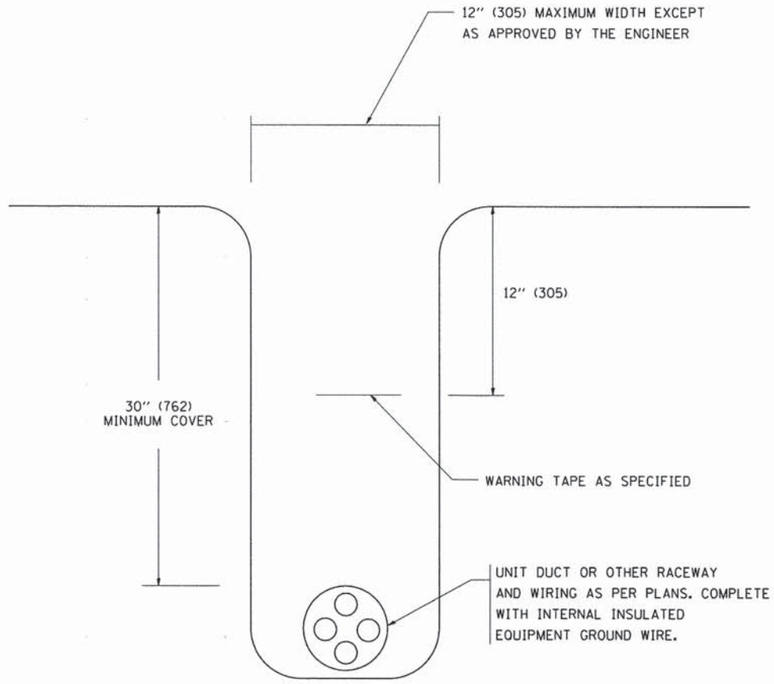
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	49
	BE-305	CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT -		

E.H.E. PROJECT NO. 760-12-05201



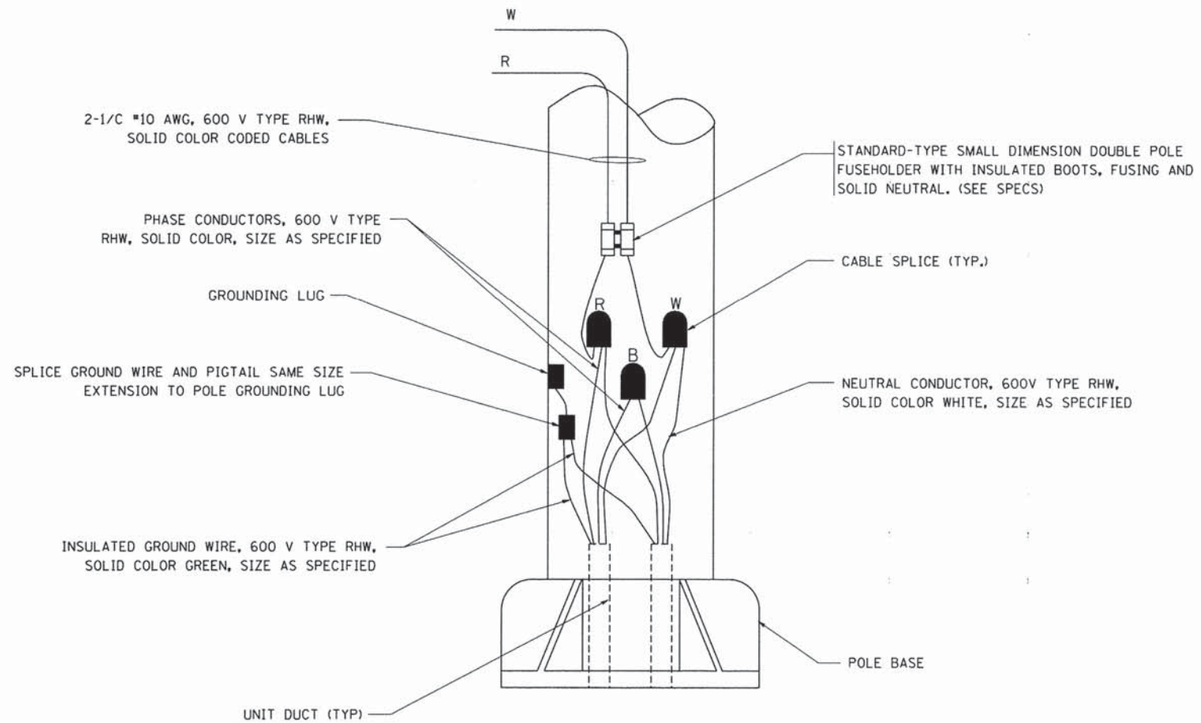
TYPICAL SPLICE DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.

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	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	50
	BE-702	CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT -		

E.H.E. PROJECT NO. 760-12-05201

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LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

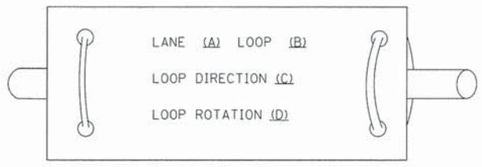
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

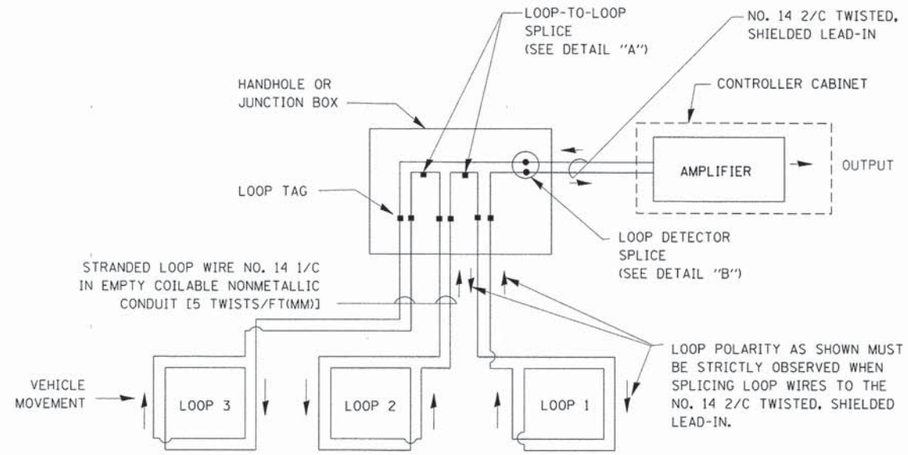


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

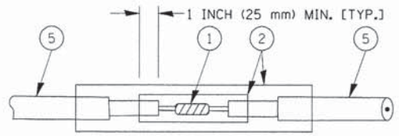
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

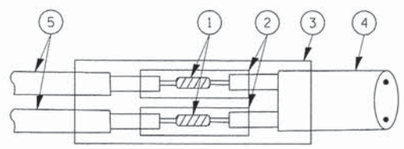


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

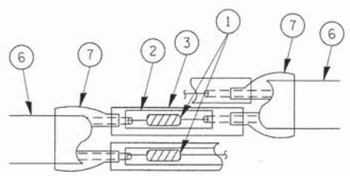


DETAIL "A"
LOOP-TO-LOOP SPLICE



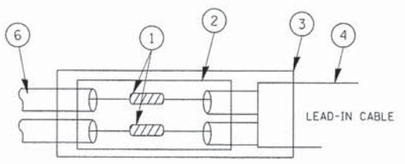
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

(6) PRE-FORMED LOOP

(7) XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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	PLOT DATE = 11/4/2009	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 1 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	51
	TS-05	CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT -		

E.H.E. PROJECT NO. 760-12-05201

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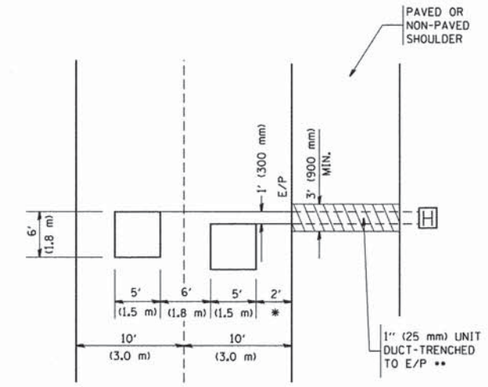
LOOPS NEXT TO SHOULDERS

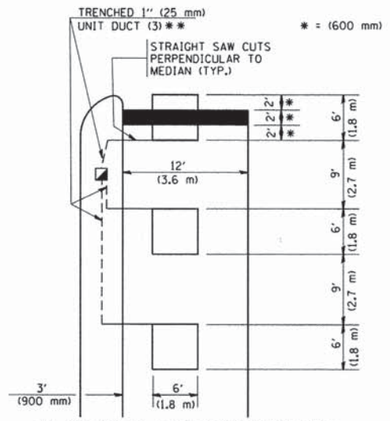


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

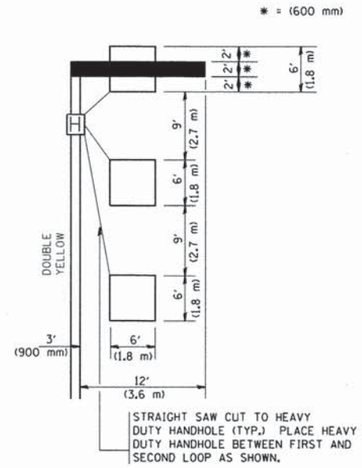


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

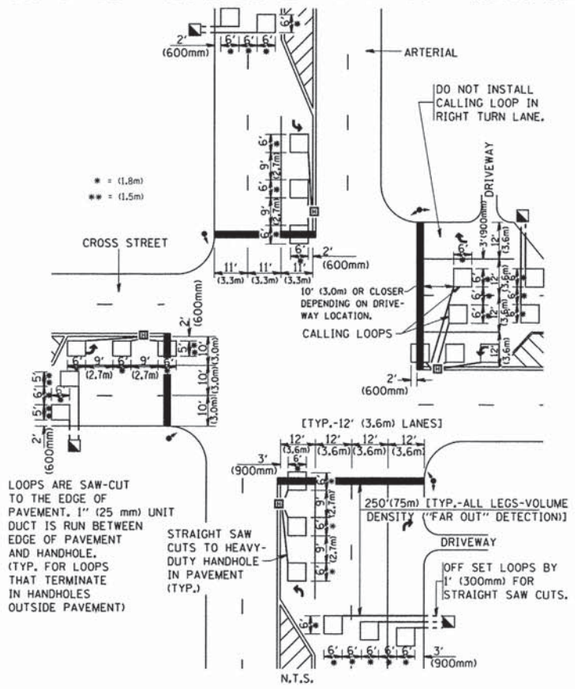
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



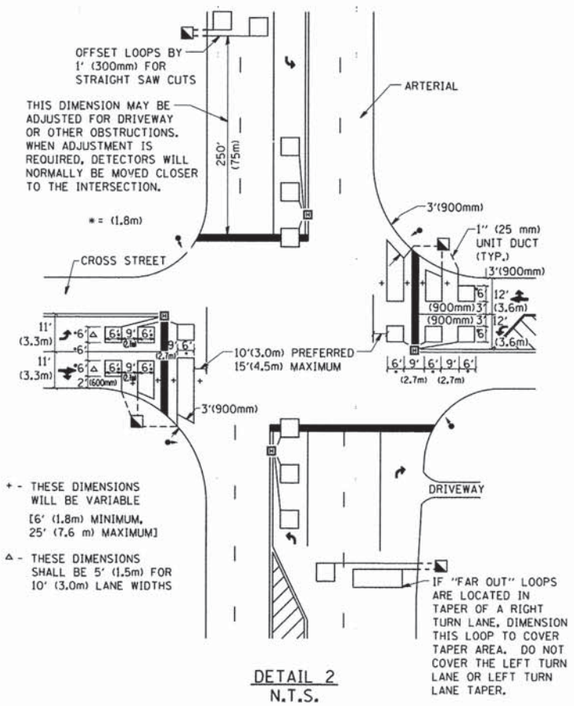
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME = W:\diststd\22x34\ts07.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - R.K.F.	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 – DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	52
	TS-07	CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT -		

E.H.E. PROJECT NO. 760-12-05201

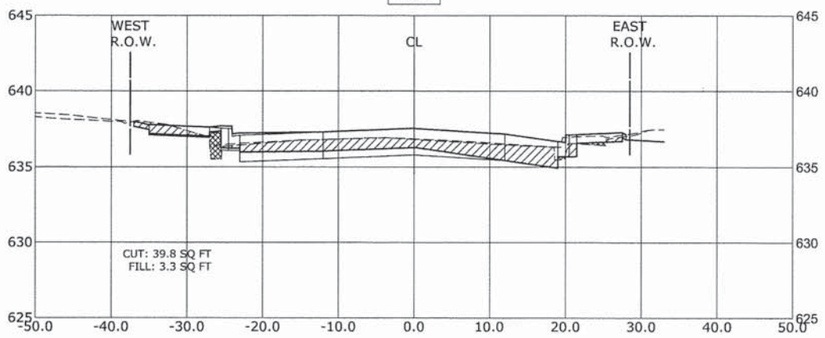
Drawing file: W:\Projects_by_Village\Melrose Park\60013018 - Cornell Ave Reconstr - Design\52-ts07.dwg Oct 16, 2013 - 9:32am

CROSS SECTION LEGEND

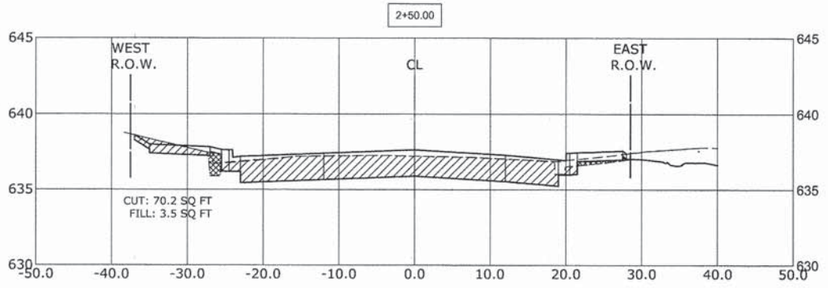
C = CUT (SQ. FT.)

F = FILL (SQ. FT.)

1+15.00



2+50.00



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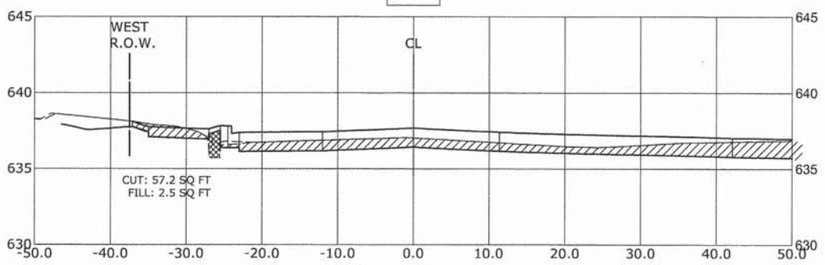
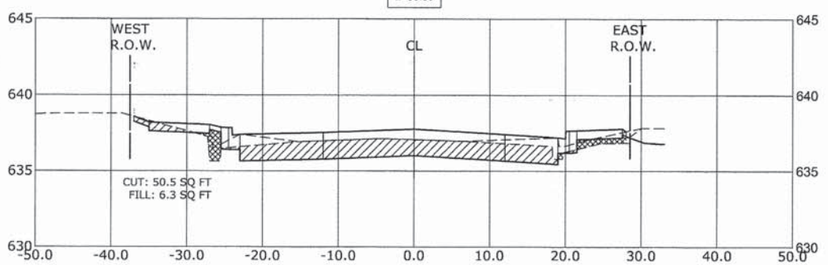


2+00.00



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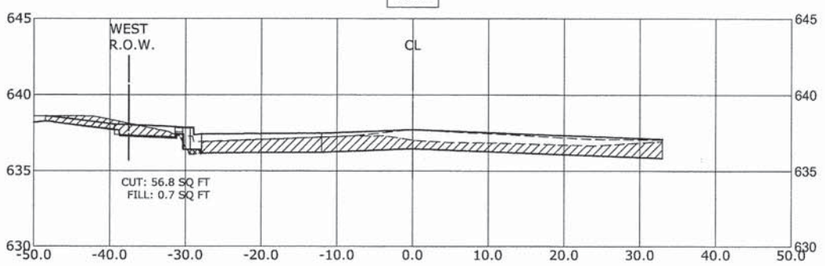

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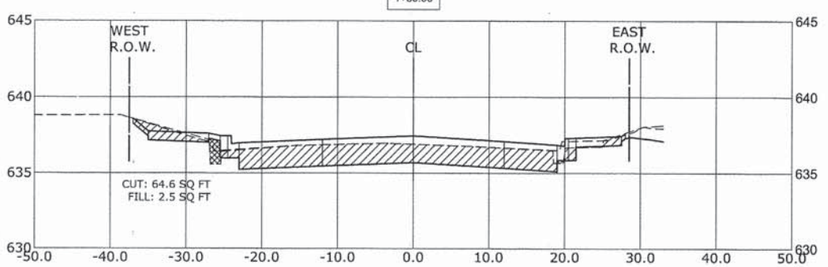

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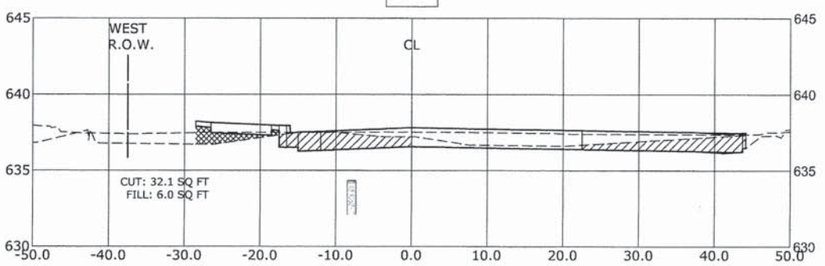

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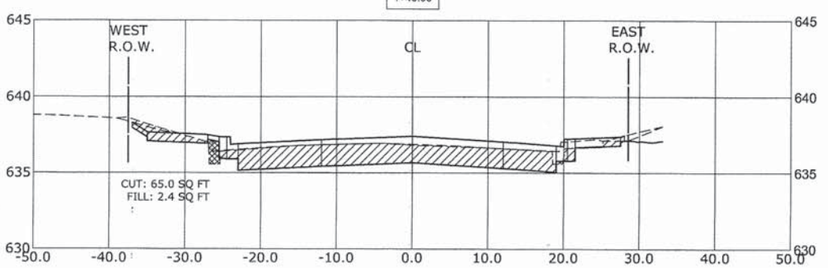

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HANCOCK ENGINEERING
◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911

9933 Roosevelt Road
Westchester, Illinois 60154-2700
Phone: 708/865-0300
Fax: 708/865-1212

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

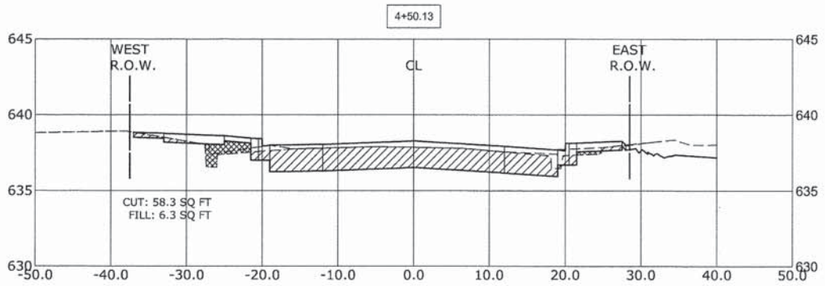
STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

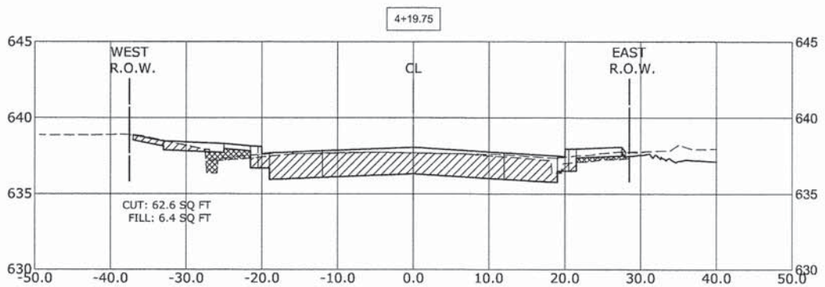
CROSS SECTIONS

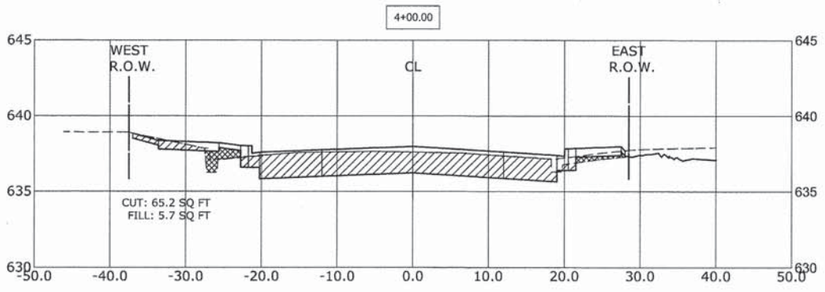
SCALE:H:1"=10',V:1"=5' | SHEET NO. 1 OF 7 SHEETS | STA. 0+48 | TO STA. 2+50

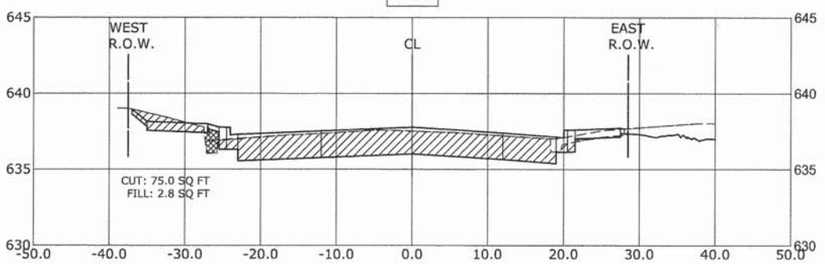
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	53
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

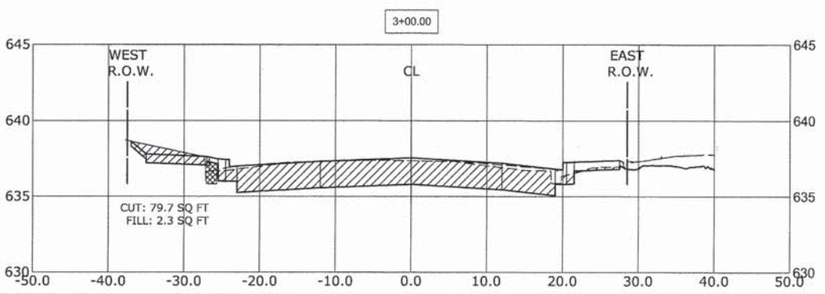
E.H.E. PROJECT NO. 600-13-01801

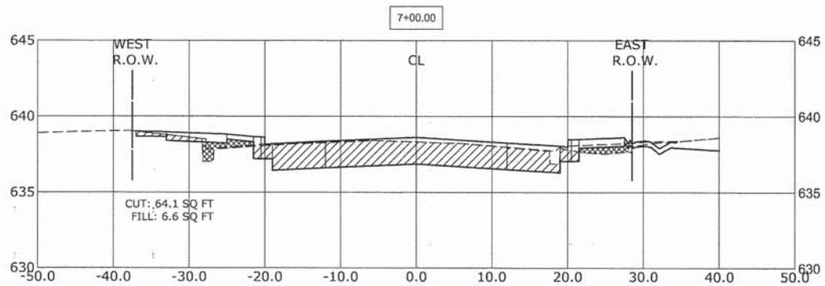


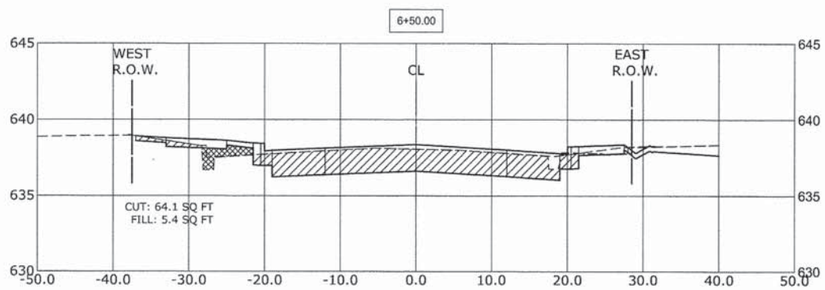


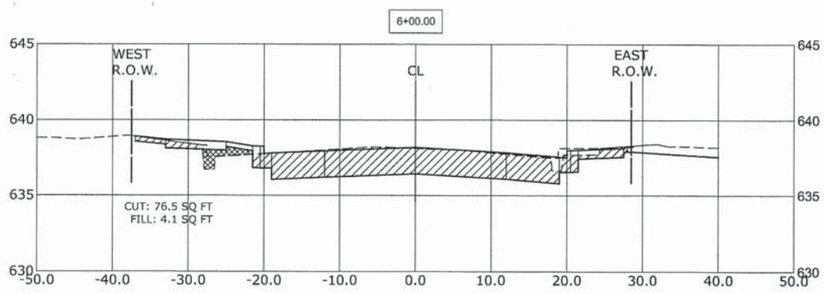


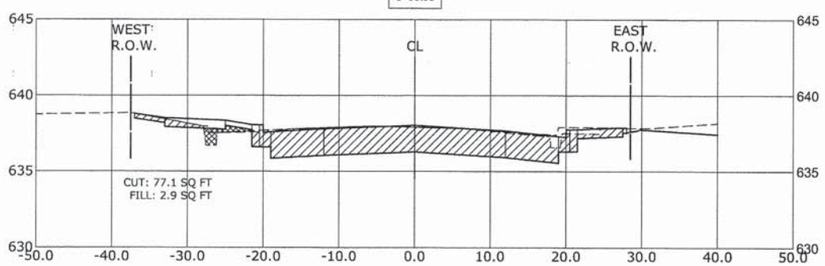


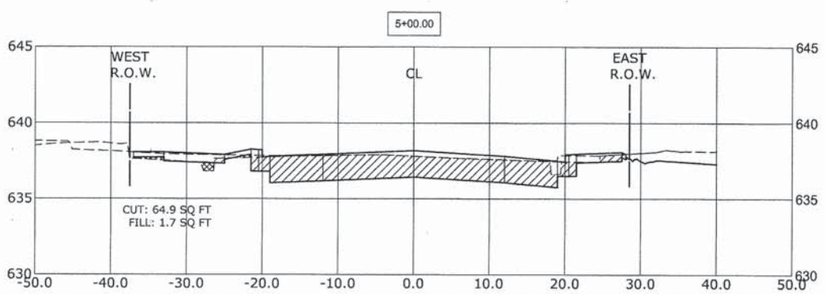












CROSS SECTION LEGEND

C = CUT (SQ. FT.)

F = FILL (SQ. FT.)

HANCOCK ENGINEERING
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9933 Roosevelt Road
Westchester, Illinois 60154-2780
Phone: 708/865-0500
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DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

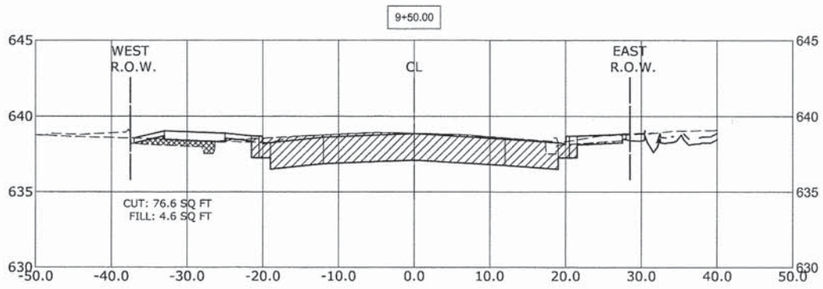
CROSS SECTIONS

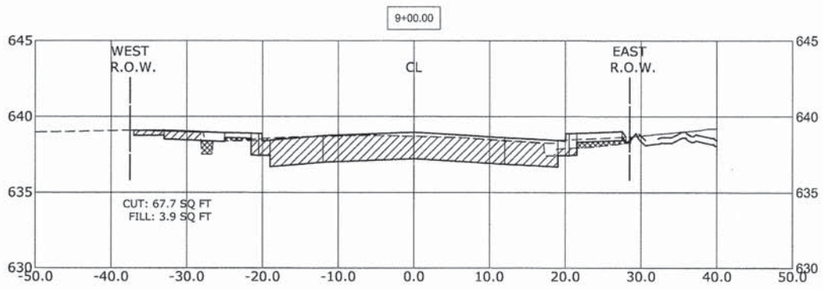
SCALE:H:1"=10',V:1"=5' | SHEET NO. 2 OF 7 SHEETS | STA. 3+00 | TO STA. 7+00

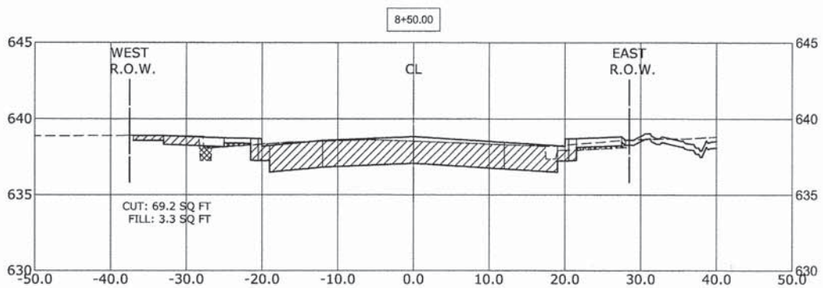
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	54
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

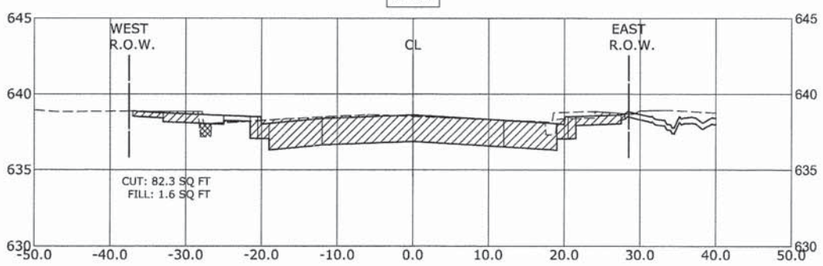
E.H.E. PROJECT NO. 600-13-01801

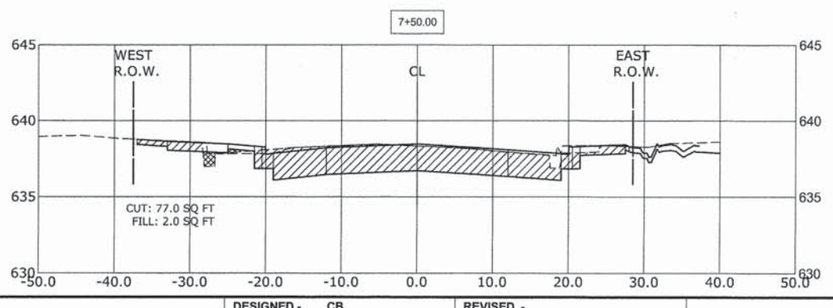
Drawing file: W:\Projects_by_Village\Melrose Park\600130l8 - Cornell Ave Reconstr - Design\Cornell\CORNELL_XSECTS.dwg Oct 29, 2013 - 9:52am

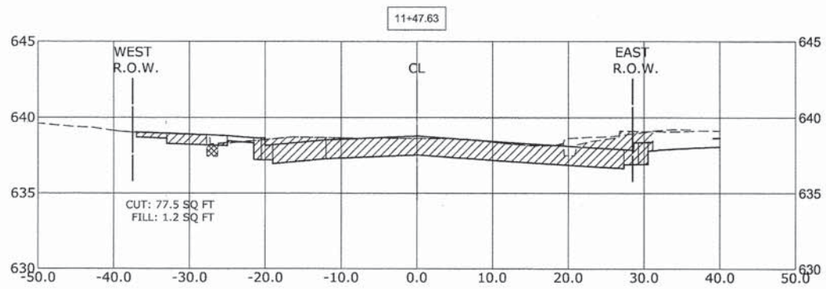


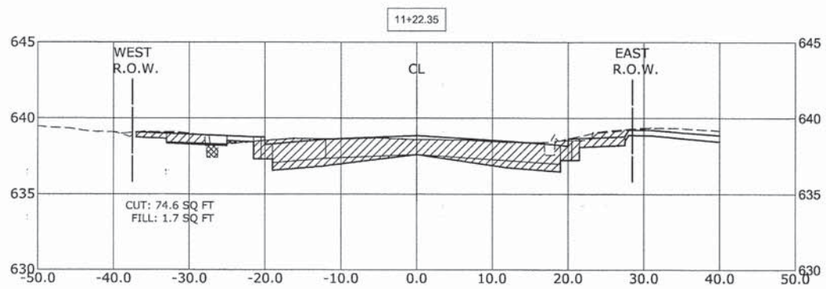


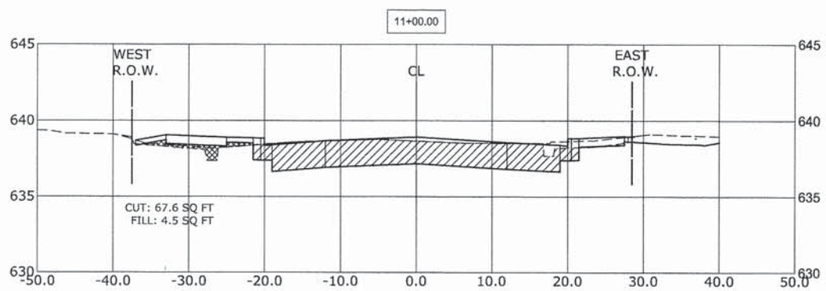


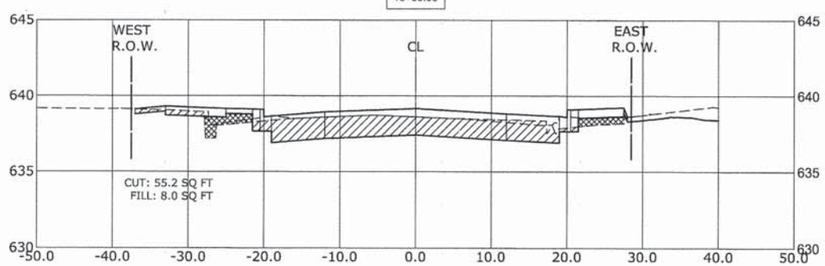


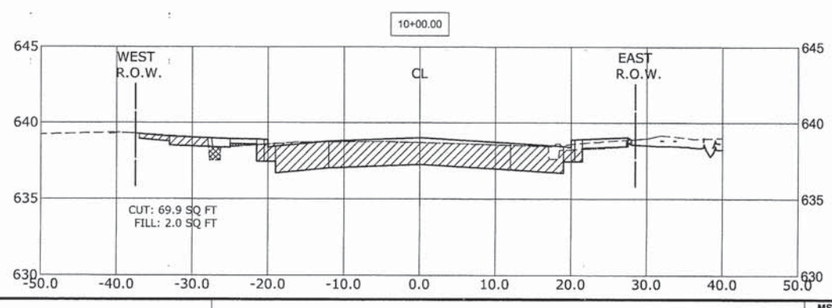












CROSS SECTION LEGEND

C = CUT (SQ. FT.)

F = FILL (SQ. FT.)

HANCOCK ENGINEERING
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9933 Roosevelt Road
Westchester, Illinois 60154-2780
Phone: 708/865-0500
Fax: 708/865-1212

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

CROSS SECTIONS

SCALE:H:1"=10',V:1"=5' | SHEET NO. 3 OF 7 SHEETS | STA. 7+50 | TO STA. 11+47

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	55
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

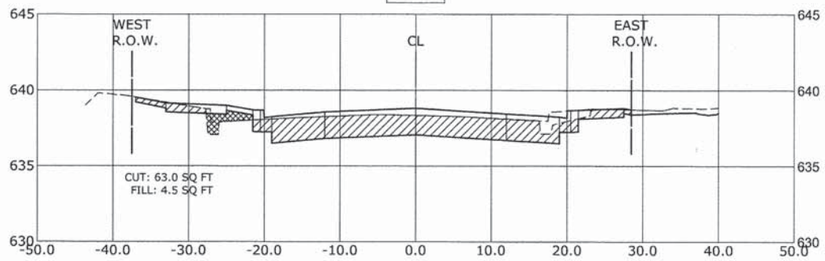
Drawing file: W:\Projects_by_Village\Melrose Park\600130118 - Cornell Ave Reconstr - Design\Cornell\CORNELL_XSCTS.dwg Oct 29, 2013 - 9:57am

CROSS SECTION LEGEND

C = CUT (SQ. FT.)

F = FILL (SQ. FT.)

12+50.00



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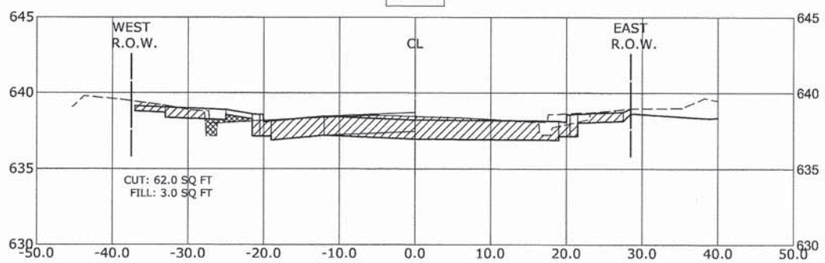

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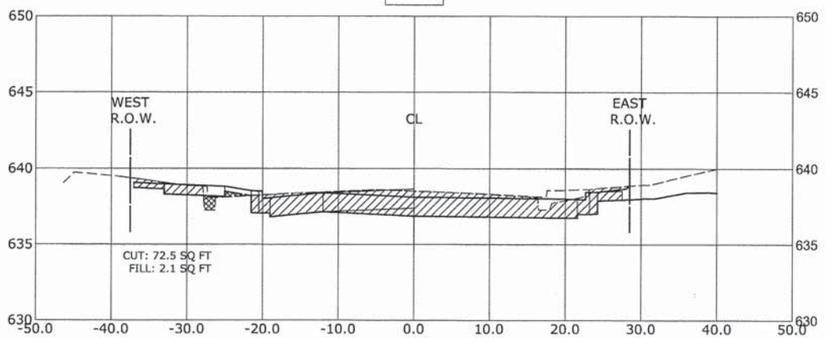

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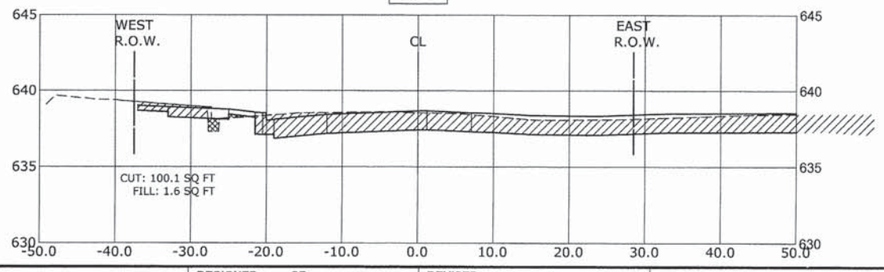
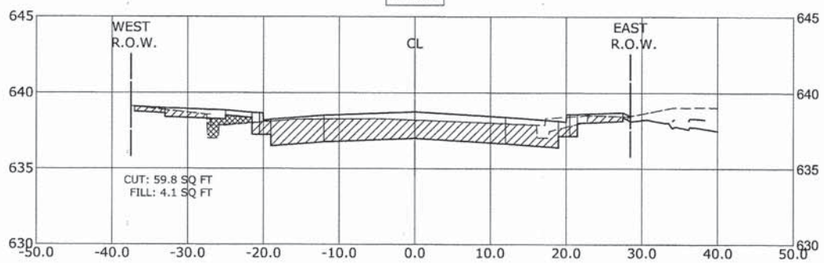
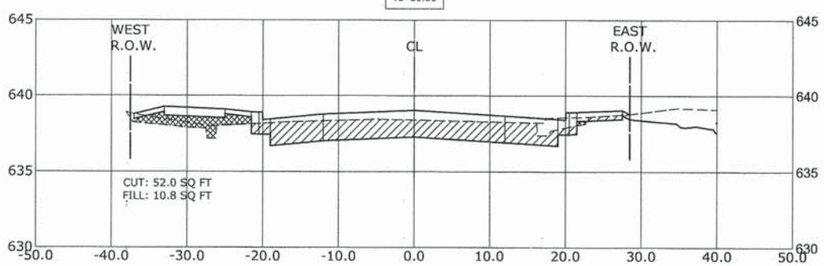


14+00.00



13+50.00



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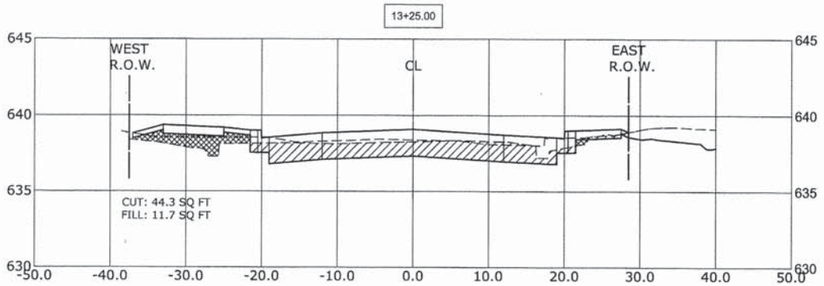
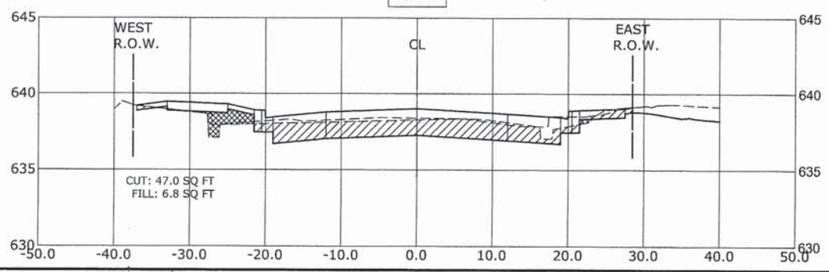


13+00.00



HANCOCK ENGINEERING
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◆ Municipal Consultants
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9933 Roosevelt Road
Westchester, Illinois 60154-2780
Phone: 708/865-0360
Fax: 708/865-1313

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

CROSS SECTIONS

SCALE:H:1"=10',V:1"=5' | SHEET NO. 4 OF 7 SHEETS | STA. 11+75 | TO STA. 14+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	56
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

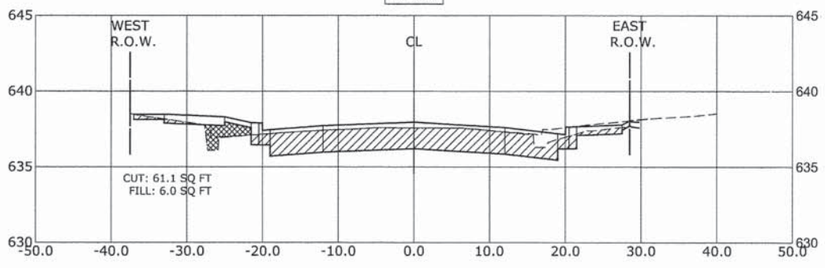
Drawing file: W:\Projects_by_Village\Melrose Park\600130.18 - Cornell Ave Reconstr - Design\Cornell\CORNELL_XSECTS.dwg Oct 29, 2013 - 9:57am

CROSS SECTION LEGEND

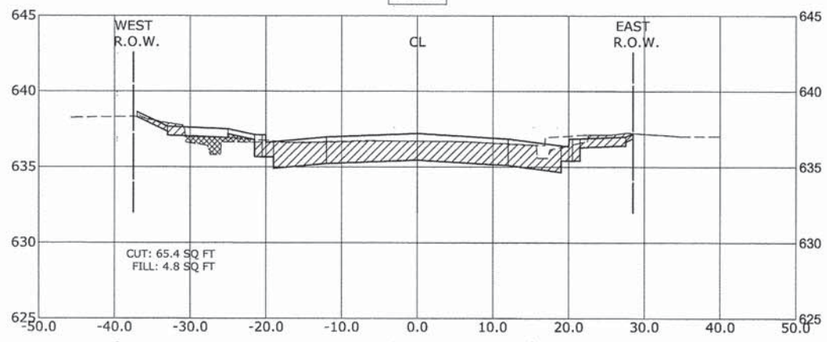
C = CUT (SQ. FT.)

F = FILL (SQ. FT.)

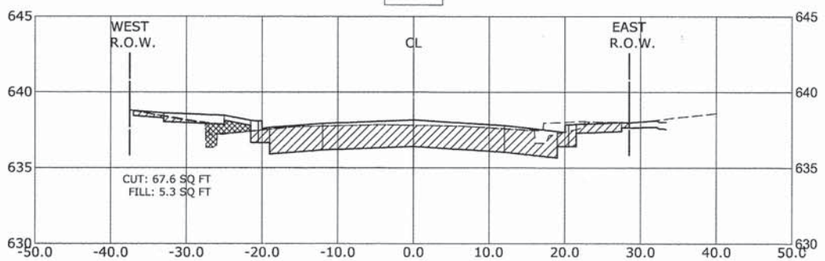
16+00.00



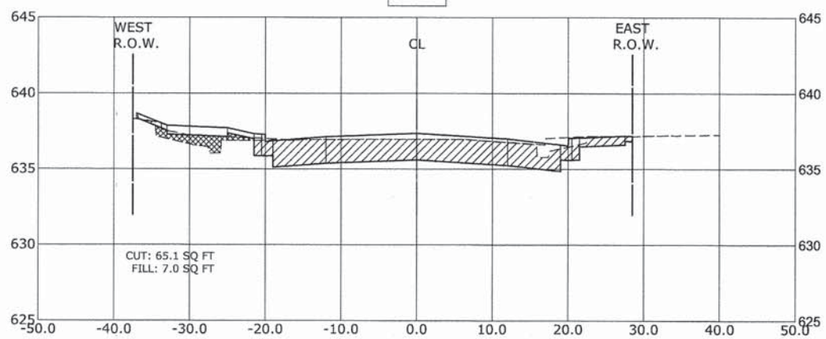
18+00.00



15+50.00



17+50.00



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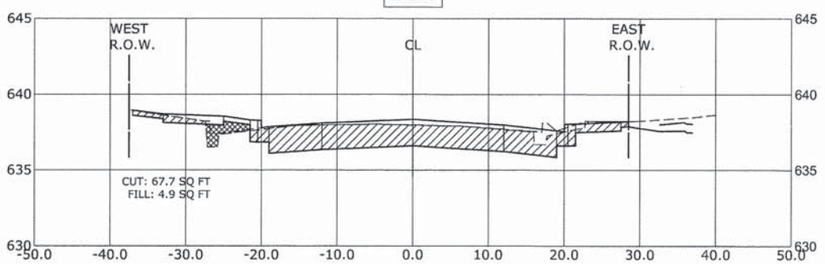
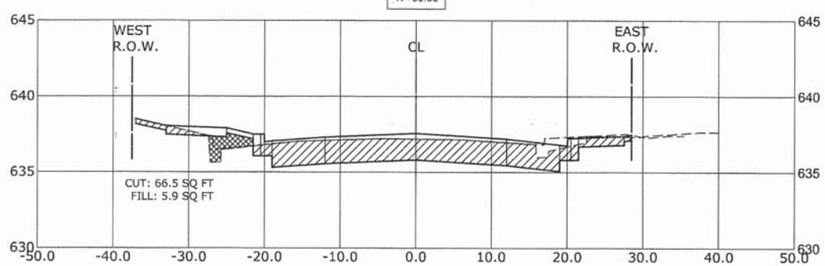
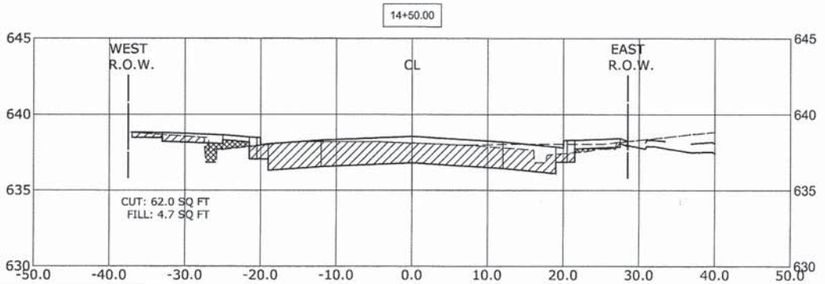


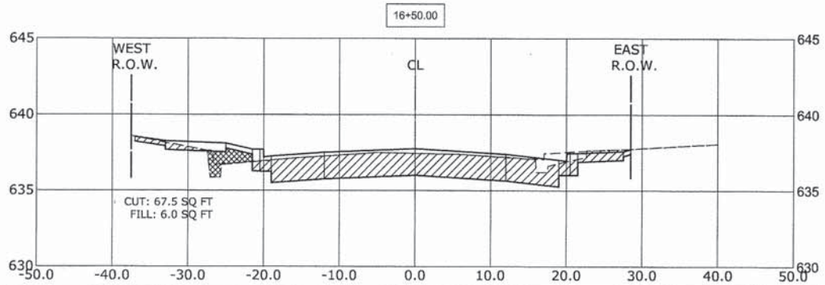
17+00.00



14+50.00



16+50.00



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DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

CROSS SECTIONS

SCALE:H:1"=10',V:1"=5' | SHEET NO. 5 OF 7 SHEETS | STA. 14+50 | TO STA. 18+00

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	57
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801

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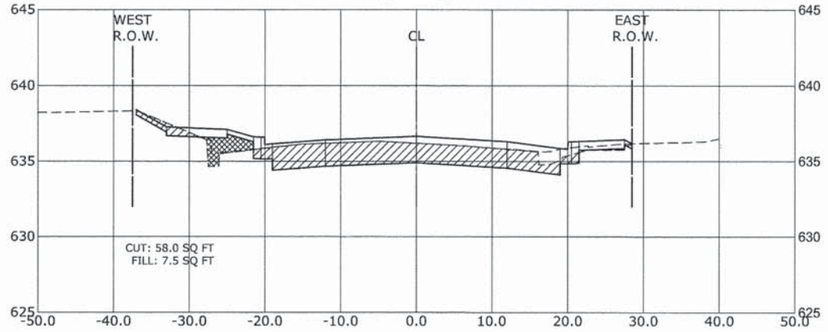
20+00.00



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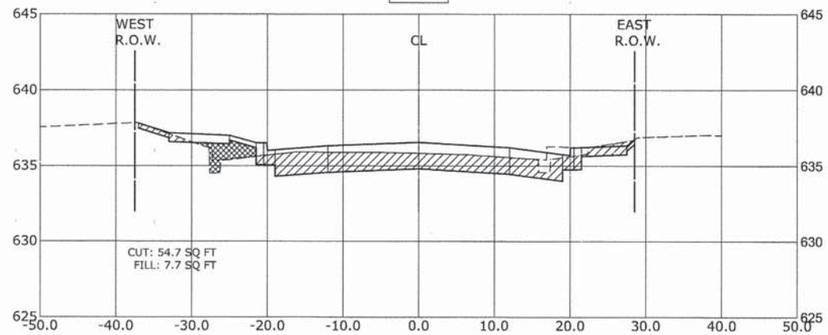

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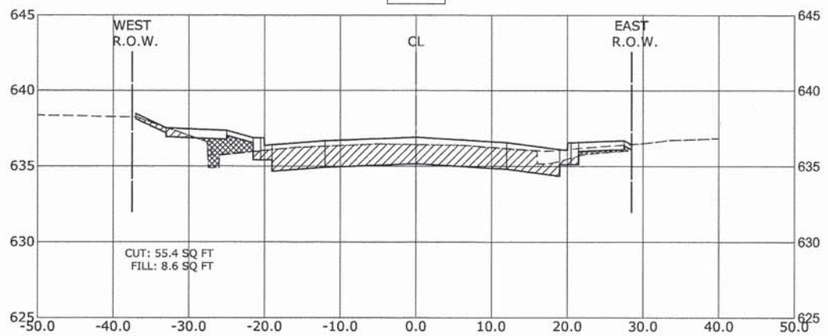

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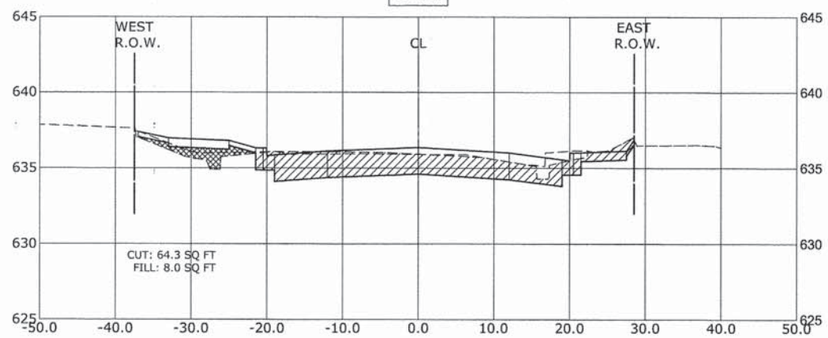

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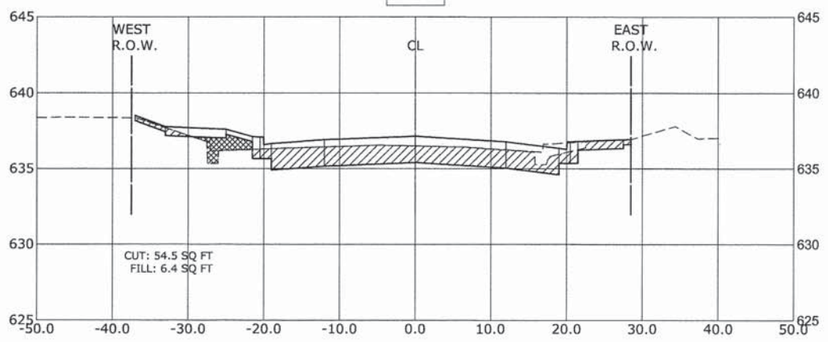

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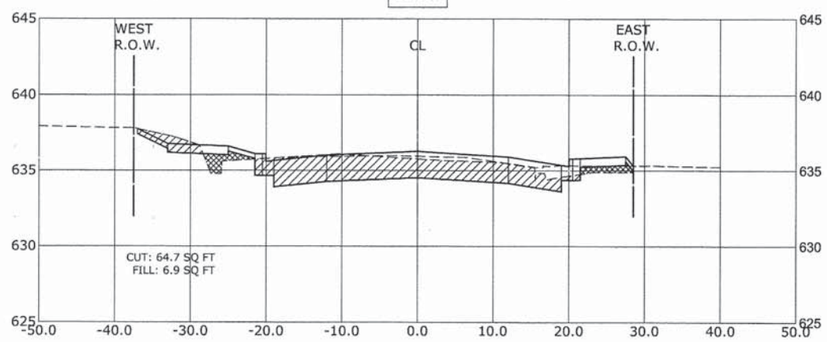

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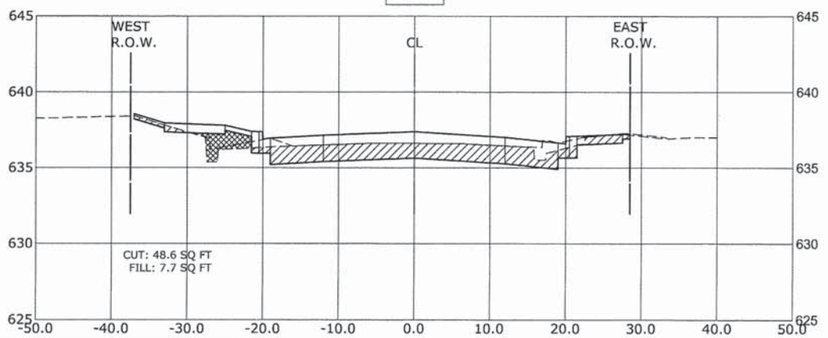

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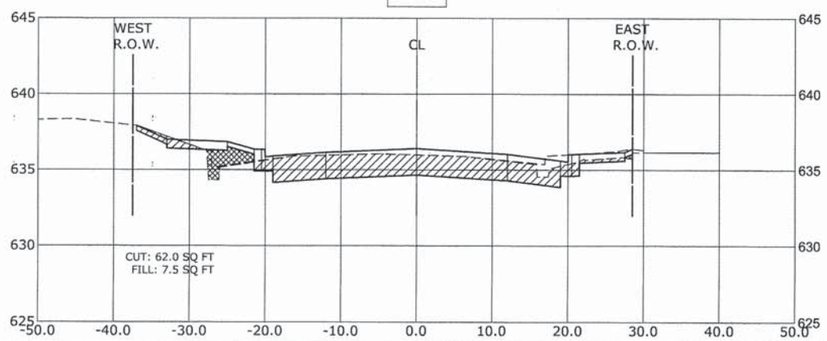


CROSS SECTION LEGEND

C = CUT (SQ. FT.)

F = FILL (SQ. FT.)

HANCOCK ENGINEERING
◆ Civil Engineers
◆ Municipal Consultants
◆ Established 1911
9933 Roosevelt Road
Westchester, Illinois 60154-2780
Phone: 708/865-0300
Fax: 708/865-1212

DESIGNED -	CB	REVISED -
DRAWN -	ECW, MK, DMM	REVISED -
CHECKED -	DST, ELS, JG	REVISED -
DATE -	10-15-13	REVISED -

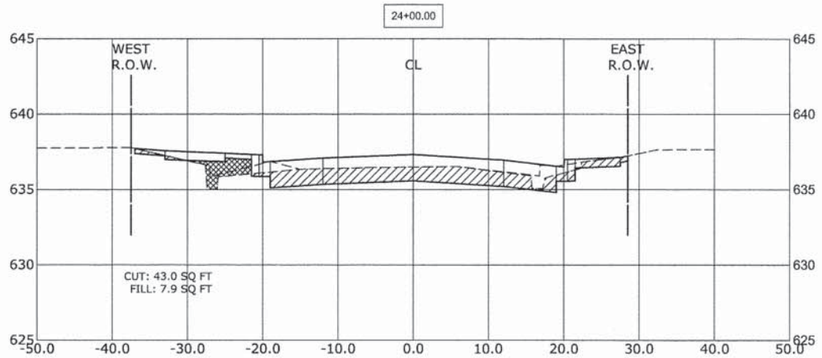
STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

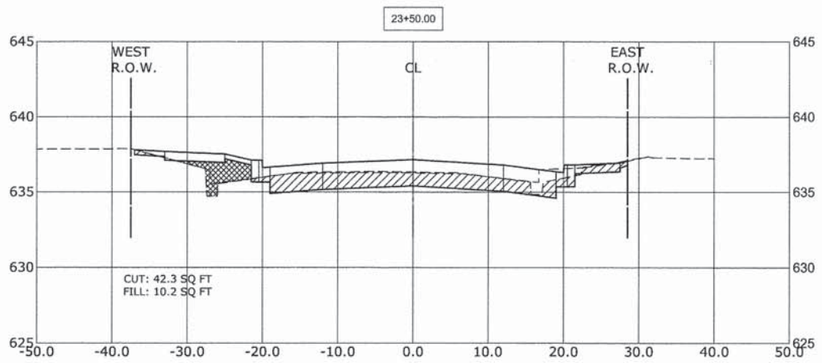
CROSS SECTIONS

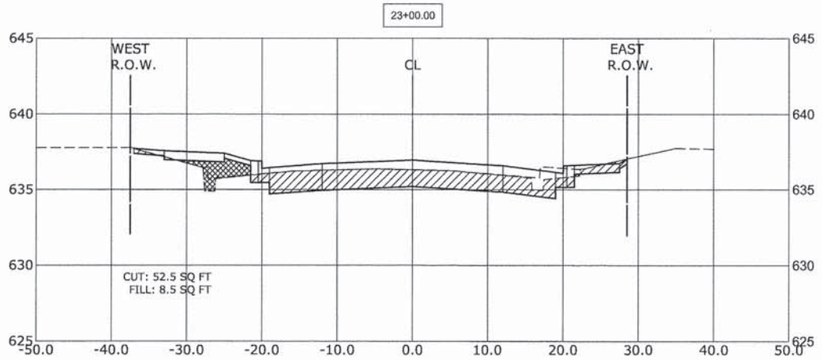
SCALE:H:1"=10',V:1"=5' | SHEET NO. 6 OF 7 SHEETS | STA. 18+50 | TO STA. 22+00

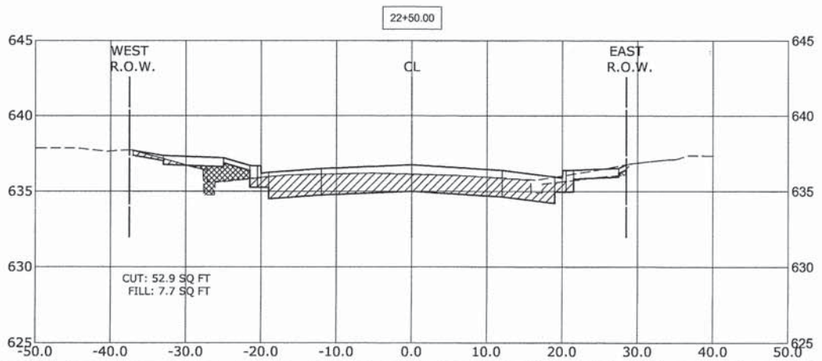
MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	58
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

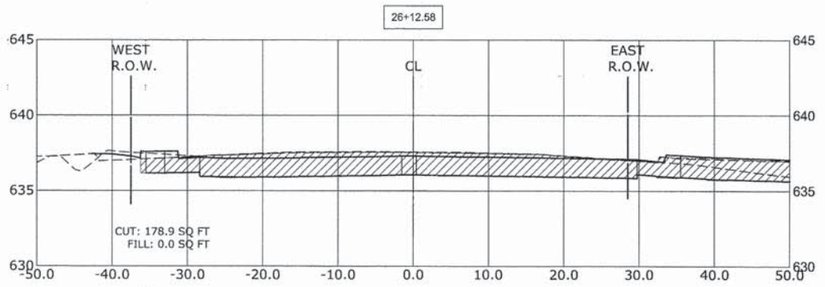
E.H.E. PROJECT NO. 600-13-01801

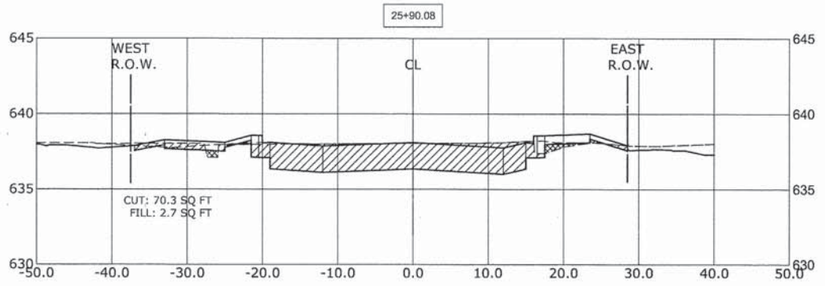


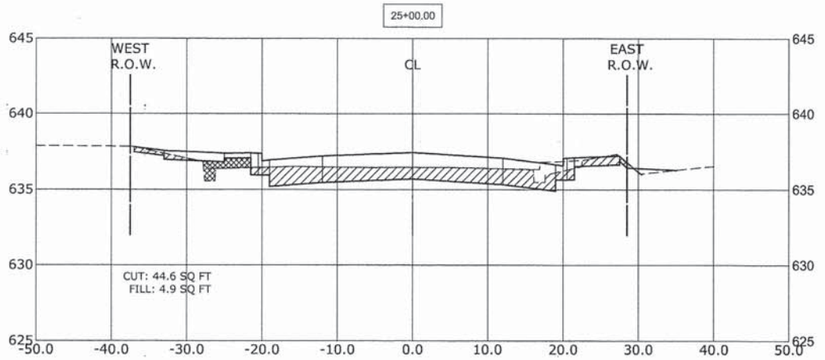


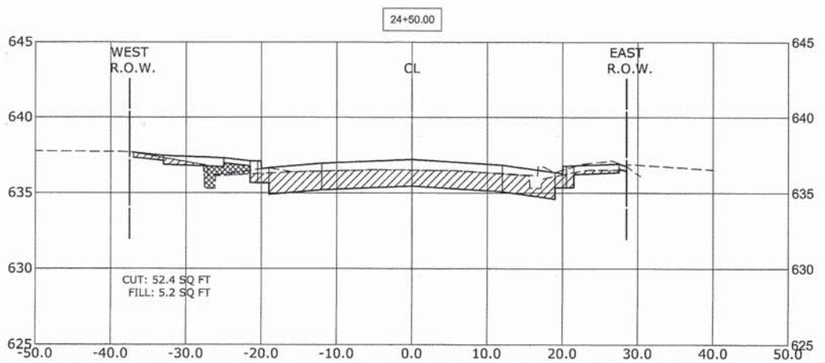












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STATE OF ILLINOIS
DEPARTMENT OF ILLINOIS

CROSS SECTIONS

SCALE:H:1"=10',V:1"=5' | SHEET NO. 7 OF 7 SHEETS | STA. 22+50 | TO STA. 26+12.50

MS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2075	13-00125-00-PV	COOK	59	59
FIELD BOOK NO. : X		CONTRACT NO. 63881		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

E.H.E. PROJECT NO. 600-13-01801