F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	1
9WZJ(183)	ILLINOIS	CONTRACT NO. 61G15		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

09-18-2020 LETTING ITEM 049

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAP 374 (ILLINOIS 21 – MILWAUKEE AVENUE)
HOWARD STREET TO JONQUIL TERRACE
STREETSCAPE IMPROVEMENTS
SECTION: 17–00129–00–LS
PROJECT: 9WZJ(183)
VILLAGE OF NILES
COOK COUNTY
C–91–176–18

TRAFFIC DATA

MILWAUKEE AVENUE
POSTED SPEED LIMIT = 35 MPH
2017 ADT = 28,100

HOWARD STREET
POSTED SPEED LIMIT = 30 MPH
2018 ADT = 8,200

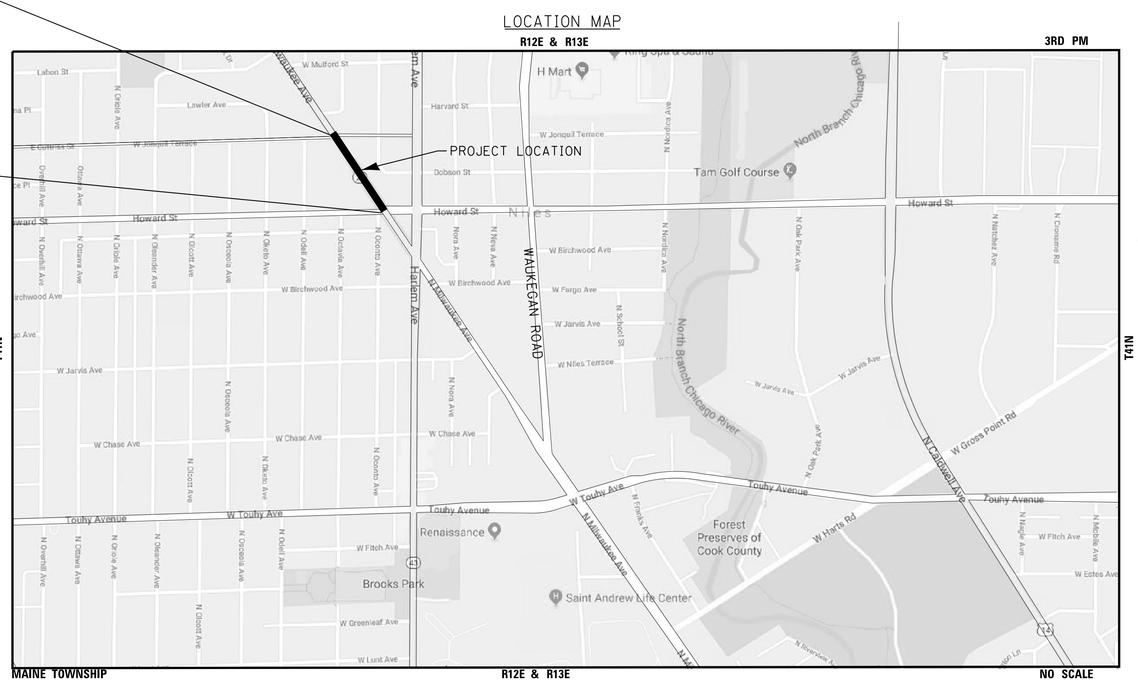
DESIGN DESIGNATION

MILWAUKEE AVENUE - OTHER PRINCIPAL ARTERIAL
HOWARD STREET - MAJOR COLLECTOR

MILWAUKEE AVENUE IMPROVEMENT BEGINS STA. 8 + 17

MILWAUKEE AVENUE IMPROVEMENT ENDS STA. 16 + 61

LOCATION MAP



GROSS LENGTH = 844 FT. = 0.160 MILE
NET LENGTH = 844 FT. = 0.160 MILE

LOCATION OF SECTION INDICATED THUS: –

JAY C. COLEMAN
62-58286
LICENSED PROFESSIONAL ENGINEER OF
STATE OF ILLINOIS

PROJECT ENGINEER
LICENSE EXPIRES 11-30-2021"

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED 3/2/2020
VILLAGE OF NILES, ILLINOIS

PASSED 3-16-2020
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW MARCH 17, 2020
REGIONAL ENGINEER

100′ 200′ 300′ — 1″ = 100′
0 10′ 20′ 30′ — 1″ = 10′
0 50′ 100′ — 1″ = 50′
0 50′ 100′ — 1″ = 40′
0 50′ 100′ — 1″ = 30′
0 50′ 100′ — 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.

J.U.L.I.E. DESIGN STAGE REQUEST
DIG. No. A3620687

Call Before You Dig
JULIE ILLINOIS ONE-CALL SYSTEM

CONTACT JULIE AT 811 OR 800-892-0123
WITH THE FOLLOWING:
COUNTY = COOK
CITY-TWNSHP. = VILLAGE OF NILES, NILES AND MAINE TWNSHP
SEC. & 1/4 SEC. NO. = 25 NE, 30 SE
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT 61G15

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

BAXTER & WOODMAN Consulting Engineers

B&W PROJECT NO.: 170599 DATE: 2-28-2020

GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE APRIL 1, 2016 EDITION OF: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE JANUARY 1, 2020 EDITION OF THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE 2009 EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" WITH REVISIONS 1 AND 2, MAY 2012, THE ILLINOIS SUPPLEMENT TO THE MUTCD, JANUARY 2020, THE JANUARY 23, 2015 EDITION OF THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE 8TH EDITION OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".

2. THE LOCATIONS OF PUBLIC AND PRIVATE UTILITIES SHOWN ON THE PLANS REPRESENTS ONLY THE OPINION OF THE VILLAGE AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER AND THE ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS.

3. THE CONTRACTOR SHALL NOTIFY THE VILLAGE PUBLIC WORKS DEPARTMENT (847-588-7900) AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS.

4. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE VILLAGE RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF VILLAGE WATER IF DEEMED NECESSARY.

5. ACCESS TO PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING TEMPORARY ACCESS (COMMERCIAL ENTRANCE).

6. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS AND THE VILLAGE WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE TO RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.

7. PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 8-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES DRIVEWAYS. TRANSVERSE EXPANSION JOINTS ¾" SHALL BE PLACED EVERY 50 FEET OR AS DETERMINED BY THE ENGINEER. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5-FEET.

8. A ½-INCH THICK EXPANSION JOINT SHALL BE PROVIDED AT THE JUNCTION OF THE DRIVEWAY APRON AND CURB, AND AT THE JUNCTION OF THE DRIVEWAY APRON AND THE SIDEWALK.

9. THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES. CONTACT INFORMATION WILL BE PROVIDED AT THE PRECONSTRUCTION MEETING.

10. ALL FRAME AND LID CASTINGS LOCATED WITHIN THE PAVEMENT WHICH REQUIRE RESETTING TO FINISH GRADE SHALL BE BACKFILLED WITH CLASS SI CONCRETE AND ALLOWED TO CURE FOR 72 HOURS PRIOR TO PLACEMENT OF SURFACE COURSE. CLASS PP CONCRETE SHALL BE USED IF PLACEMENT OF SURFACE COURSE IS PLANNED IN LESS THAN 72 HOURS. HMA MATERIALS WILL NOT BE ALLOWED AS BACKFILL AROUND AN ADJUSTED CASTING. THIS WORK SHALL APPLY TO ALL CASTINGS ADJUSTED OR RECONSTRUCTED AS PART OF THIS CONTRACT.

11. THE DAYS PAVING OPERATION SHOULD RESULT IN A SINGLE TRANSVERSE JOINT. ANY COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.

12. DETECTABLE WARNINGS SHALL BE CONSTRUCTED WITH THE INSTALLATION OF AN ADA-COMPLIANT CAST-IN-PLACE COMPOSITE 24"X48" MINIMUM NOMINAL SIZE PANEL AS MANUFACTURED BY ARMOR-TILE, ADA SOLUTIONS, INC., OR TRAFFIC CONTROL CORP. THE DOMES LOCATED ON THE PANEL SHALL PARALLEL THE PAVEMENT CROSS WALK WITH THE CLOSEST EDGE LOCATED AT THE BACK OF CURB. THE CONTRASTING PANEL COLOR SHALL BE SELECTED BY THE VILLAGE. INSTALLATION SHALL OCCUR IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

13. THE CONTRACTOR WILL BE REQUIRED TO USE A STEEL PLATE OR PLATES TO CLOSE ANY GAPS OCCURRING WHEN A FRAME IS OFFSET FROM THE STRUCTURE. THE STEEL PLATE SHALL BE ½-INCH THICK AND APPROXIMATELY 6-INCH WIDE BY 24-INCH LONG. SOME ADJUSTMENT IN SIZE MAY BE NECESSARY TO PREVENT THE STEEL PLATE FROM OVERHANGING THE OUTSIDE OF THE STRUCTURE WALL. THE STEEL PLATE SHALL BE BEDDED IN AND COVERED WITH MORTAR.

14. TRENCH BACKFILL FOR THIS PROJECT SHALL CONSIST OF CRUSHED CA-6 AND SHALL BE COMPACTED BY METHOD 1 ONLY IN (ART. 550.07).

15. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR WHEN REMOVING ALL POSTS, RAILROAD TIES, AND DECORATIVE TIMBER IN CONFLICT WITH THE PROPOSED IMPROVEMENTS TO PRESERVE THEM FROM HARM. ITEMS NOT RELOCATED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.

16. PRIOR TO CONSTRUCTION OF ANY PROPOSED UTILITIES, THE CONTRACTOR SHALL EXCAVATE AND LOCATE THE EXISTING UTILITIES TO VERIFY THEIR LOCATION, SIZE, AND DEPTH TO INSURE THAT GRADE CONFLICTS WILL NOT OCCUR.

17. STORM STRUCTURE OFFSET LOCATIONS ARE TO THE EDGE OF PAVEMENT IF THE STRUCTURE IS IN THE CURB LINE OR TO THE CENTER OF STRUCTURE IF THE STRUCTURE IS NOT IN THE CURBLINE.

18. ALL STORM SEWER SHALL BE REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE.

19. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE.

20. ON STREETS TO BE FULL WIDTH MILLED (2" OR MORE), THE EXISTING STRUCTURES IN THE PAVEMENT SHALL BE ADJUSTED IN ACCORDANCE WITH THE IDOT DETAIL "DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING". THIS WORK SHALL BE IN ADDITION TO THE REQUIREMENTS FOR MANHOLES TO BE ADJUSTED AND SHALL BE PAID FOR ONCE AT THE CONTRACT UNIT PRICE FOR MANHOLES TO BE ADJUSTED.

21. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 ½ INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND SHALL NOT EXCEED 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. A MAXIMUM GRADE DIFFERENCE OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H), AS DETERMINED BY THE ENGINEER.

22. AFTER CONSTRUCTION IS COMPLETE, THE VILLAGE SHALL BE RESPONSIBLE FOR THE ADMINISTRATION, CONTROL, RECONSTRUCTION, AND MAINTENANCE OF ANY THERMOPLASTIC, PREFORMED OR OTHERWISE, PAVEMENT MARKINGS. IDOT SHALL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE TO MATERIAL (THERMOPLASTIC) OR REPLACEMENT UNDER ANY CIRCUMSTANCES.

23. THE CONTRACTOR SHALL CONTACT THE IDOT D1 TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

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HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442101-09	CLASS B PATCHES
602001-02	CATCH BASIN TYPE A
602301-04	INLET - TYPE A
602401-06	PRECAST MANHOLE TYPE A 4' (1.22m) DIAMETER
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS TYPE 1
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
836001-04	LIGHT POLE FOUNDATION

DISTRICT 1 DETAILS

TS-07	DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING
BD-02	DRIVEWAY DETAILS - DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5M)
BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-32	BUTT JOINT AND HMA TAPER DETAILS
BD-36	FIRE HYDRANT TO BE MOVED
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

BAXTER & WOODMAN Consulting Engineers

USER NAME = 714ljf	DESIGNED - LJF	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 1.0000 ' / in.	CHECKED - JCC	REVISED -
PLOT DATE = 3/30/2020	DATE - 2-28-2020	FILE - 170599_SHT-GenNotes.dgn

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

GENERAL NOTES, HIGHWAY STANDARDS AND INDEX OF SHEETS

SCALE: NO SCALE | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	2
		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT 9WZI(183)		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 80% FED 20% VILLAGE — ITEP 0031 URBAN	CONSTRUCTION CODE: 100% VILLAGE — NON 0031 URBAN
	20200100	EARTH EXCAVATION	CU YD	200	200	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	175	99	76
	20800150	TRENCH BACKFILL	CU YD	9	9	
*	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	150	150	
*	21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	180	180	
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	4	4	
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	2	2	
*	25200110	SODDING, SALT TOLERANT	SQ YD	150	150	
*	25200200	SUPPLEMENTAL WATERING	UNIT	20	20	
	28000510	INLET FILTERS	EACH	11	11	
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	450	229	221
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	809	809	
	31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	100	100	
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	604	365	239
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	625	505	120
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	144	144	
	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	230	139	91

* INDICATES SPECIALTY ITEM

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 80% FED 20% VILLAGE — ITEP 0031 URBAN	CONSTRUCTION CODE: 100% VILLAGE — NON 0031 URBAN
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	65	65	
	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	7	7	
	42000060	WELDED WIRE REINFORCEMENT	SQ YD	80	80	
	42001300	PROTECTIVE COAT	SQ YD	956	956	
*	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	60	60	
*	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4,400	4,400	
*	42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	352	352	
*	42400800	DETECTABLE WARNINGS	SQ FT	110	110	
	44000100	PAVEMENT REMOVAL	SQ YD	120	120	
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	450	450	
	44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	1,660	1,083	577
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	70	70	
	44000300	CURB REMOVAL	FOOT	360	360	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	710	710	
	44000600	SIDEWALK REMOVAL	SQ FT	5,440	5,440	
*	44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	40	40	
*	44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	80	80	

* INDICATES SPECIALTY ITEM

BAXTER & WOODMAN Consulting Engineers

USER NAME = 560KAR	DESIGNED - LJF	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 1.0000 ' / in.	CHECKED - JCC	REVISED -
PLOT DATE = 3/19/2020	DATE - 2-28-2020	FILE - 170599_SHT-Soq.dgn

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

SUMMARY OF QUANTITIES

SCALE: NO SCALE | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	3
		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT 9WZI(183)		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% VILLAGE ITEP 0031 URBAN	CONSTRUCTION CODE 100% VILLAGE NON 0031 URBAN
	44201299	DOWEL BARS 1 1/2"	EACH	160	160	
	44213208	TIE BARS 1 1/4"	EACH	160	160	
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	43	43	
	55100400	STORM SEWER REMOVAL 10"	FOOT	47	47	
*	56400100	FIRE HYDRANTS TO BE MOVED	EACH	1	1	
	56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	11	11	
	60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2	2	
	60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1	
	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2	2	
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	3	3	
	60255500	MANHOLES TO BE ADJUSTED	EACH	2	2	
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	5	5	
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	1	1	
	60500060	REMOVING INLETS	EACH	2	2	
	60600605	CONCRETE CURB, TYPE B	FOOT	755	755	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	684	684	
	67100100	MOBILIZATION	L SUM	1	1	

* INDICATES SPECIALTY ITEM

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% VILLAGE ITEP 0031 URBAN	CONSTRUCTION CODE 100% VILLAGE NON 0031 URBAN
	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	130	100	30
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2	
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
*	66901006	REGULATED SUBSTANCES MONITORING	CAL DAY	5	5	
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	340	340	
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	50	50	
*	72000100	SIGN PANEL - TYPE 1	SQ FT	56	56	
*	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2	
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	92	92	
*	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	2	2	
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	114	114	
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,640	1,640	
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	100	100	
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	290	290	
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	60	60	
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	6	6	

* INDICATES SPECIALTY ITEM

BAXTER & WOODMAN Consulting Engineers

USER NAME = 560KAR	DESIGNED - LJF	REVISED -	
	DRAWN - KAR	REVISED -	
PLOT SCALE = 1.0000 ' / in.	CHECKED - JCC	REVISED -	
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VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

SUMMARY OF QUANTITIES

SCALE: NO SCALE | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT 9WZI(183)		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% VILLAGE ITEP 0031 URBAN	CONSTRUCTION CODE 100% VILLAGE NON 0031 URBAN
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	6	6	
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1		1
81028170	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.	FOOT	35		35
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	650		650
81603096	UNIT DUCT, 600V, 4-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	270		270
81603111	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	30		30
82500310	LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 60AMP	EACH	1		1
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	8		8
84200804	REMOVAL OF POLE FOUNDATION	EACH	1		1
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	140		140
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	70		70
88600600	DETECTOR LOOP REPLACEMENT	FOOT	288	288	
89502376	REBUILD EXISTING HANDHOLE	EACH	4	4	
A2004720	TREE, GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER (SHADEMASTER THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	
A2008470	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2-1/2" CALIPER , BALLED AND BURLAPPED	EACH	1	1	

* INDICATES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 80% FED 20% VILLAGE ITEP 0031 URBAN	CONSTRUCTION CODE 100% VILLAGE NON 0031 URBAN
B2006320	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	1	1	
C2005812	SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 2' HEIGHT, BALLED AND BURLAPPED	EACH	48	48	
D2015401	EVERGREEN, JUNIPERUS CHINENSIS KALLAYS COMPACTA, (KALLAY COMPACT JUNIPER), 24" WIDTH, BALLED AND BURLAPPED	EACH	17	17	
K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	3.51	3.51	
K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	5	5	
K1001988	IRRIGATION SYSTEM SPECIAL	L SUM	1	1	
X0322102	TEMPORARY SIDEWALK RAMP	EACH	12	12	
X0326146	SOIL CONDITIONER	SQ YD	180	180	
X0326357	ROADWAY LIGHTING MODIFICATIONS	L SUM	1		1
X0327065	ENGINEERED SOIL (SPECIAL)	TON	14	14	
X1400088	POWER PEDESTALS	EACH	4		4
X1700021	BRICK PAVER REMOVAL AND REINSTALLATION ,SPECIAL	SQ FT	899	899	
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100	
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	3	3	
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	1	1	
X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	376	376	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	

* INDICATES SPECIALTY ITEM

BAXTER & WOODMAN Consulting Engineers

USER NAME = 7141jf	DESIGNED - LJF	REVISED -	
	DRAWN - KAR	REVISED -	
PLOT SCALE = 1.0000 ' / in.	CHECKED - JCC	REVISED -	
PLOT DATE = 5/20/2020	DATE - 5-6-2020	FILE - 170599_SHT-Soq.dgn	

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

SUMMARY OF QUANTITIES

SCALE: NO SCALE | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	5
		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT 9WZI(183)		

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 80% FED 20% VILLAGE — ITEP 0031 URBAN	CONSTRUCTION CODE: 100% VILLAGE — NON 0031 URBAN
X7010238	CHANGEABLE MESSAGE SIGN, SPECIAL	CAL MO	6	6	
XX000959	TRASH RECEPTACLES	EACH	2	2	
XX007824	BRICK PAVER ACCENT STRIP	SQFT	537	537	
XX008536	PREPARATION OF BASE (SPECIAL)	SQ YD	1,340	810	530
Z0004562	COMBINATION CONCRETE CURB & GUTTER REMOVAL AND REPLACEMENT	FOOT	136	136	
Z0003850	BENCHES	EACH	2	2	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	156	156	
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6		6
XX000372	TEMPORARY AGGREGATE	TON	20	20	
XX008910	PAVEMENT MARKING (SPECIAL)	SQ FT	796	796	

INDICATES SPECIALTY ITEM

BAXTER & WOODMAN Consulting Engineers

USER NAME = 714ljf	DESIGNED - LJF	REVISED -
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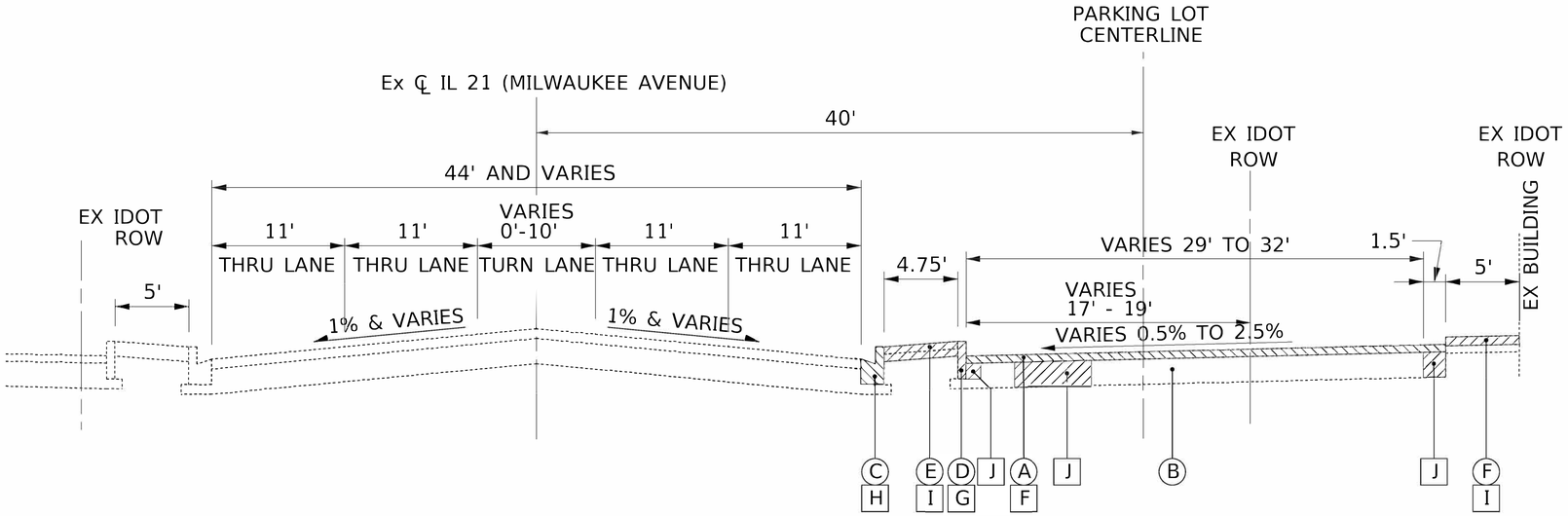
VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

SUMMARY OF QUANTITIES

SCALE: NO SCALE | SHEET OF SHEETS | STA. | TO STA.

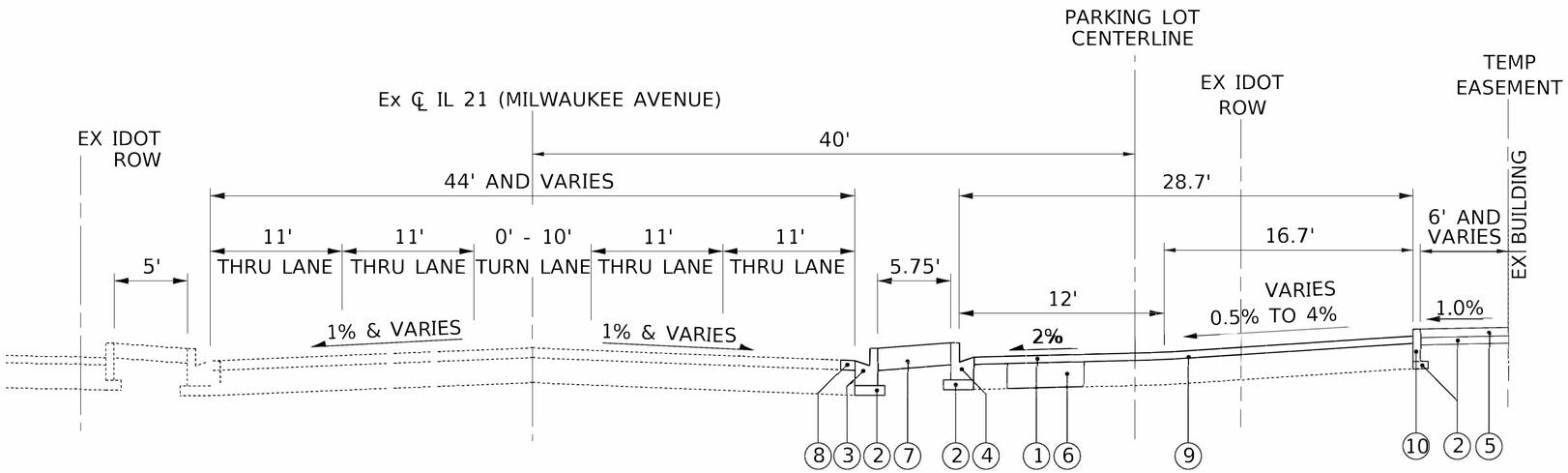
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	6
		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT 9WZI(183)		



EXISTING TYPICAL SECTION
STA 11+64 TO STA 16+18

EXISTING LEGEND

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT
- (B) EXISTING AGGREGATE BASE COURSE
- (C) EXISTING CURB AND GUTTER, TYPE B-6.12
- (D) EXISTING CURB
- (E) EXISTING SIDEWALK
- [F] HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- [G] CURB REMOVAL
- [H] COMBINATION CURB AND GUTTER REMOVAL
- [I] SIDEWALK REMOVAL
- [J] EARTH EXCAVATION/REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ITEM TO BE REMOVED



PROPOSED TYPICAL SECTION
STA 11+64 TO STA 16+18

PROPOSED LEGEND

1. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D". N50, 3"
2. AGGREGATE BASE COURSE, TYPE B, 4"
3. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
4. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
5. PCC SIDEWALK, 5"
6. AGGREGATE SUBGRADE IMPROVEMENT
7. LANDSCAPING, PLANTERS AND BRICK ACCENT STRIP - SEE DETAILS
8. INCIDENTIAL HOT-MIX ASPHALT SURFACING
9. PREPARATION OF BASE
10. CONCRETE CURB, TYPE B

BY BAXTER & WOODMAN, INC.
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
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VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

TYPICAL SECTIONS

SCALE: NONE | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	7
		CONTRACT NO. 61G15		
		ILLINOIS	FED. AID PROJECT 9WZI(183)	

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING (MILWAUKEE AVENUE)	
HOT-MIX ASPAHLT SURFACE COURSE, IL-9.5, MIX "D"; 2"	4% @ 70 Gyr.
PAVEMENT RESURFACING (PARKING LOT)	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 3"	4% @ 50 Gyr.
INCIDENTIAL HMA SURFACING (MILWAUKEE AVENUE)	
HOT-MIX ASPAHLT SURFACE COURSE, IL-9.5, MIX "D", N70 (1 3/4" MIN)	4% @ 70 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 USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

BY BAXTER & WOODMAN, INC.
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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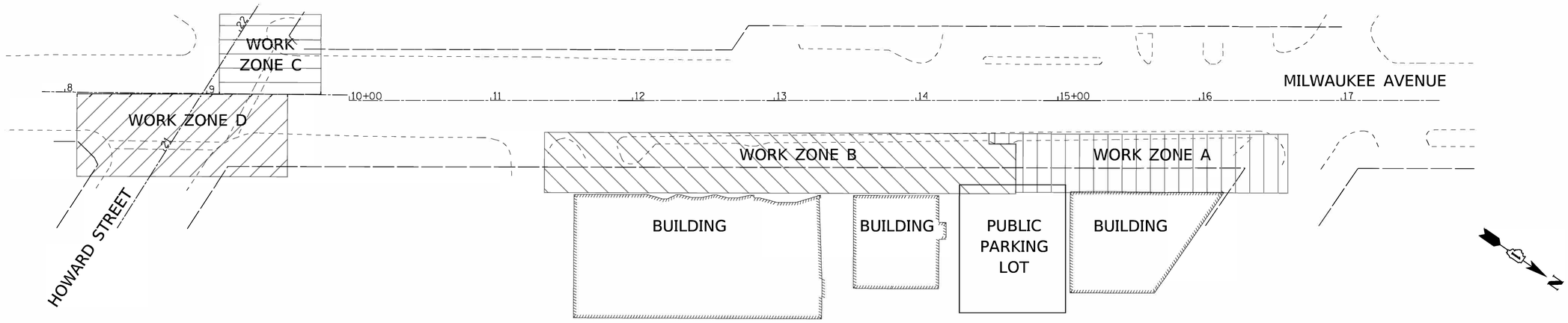
VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

HMA MIX TABLE

SCALE: NONE | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	8
		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT 9WZI(183)		



MAINTENANCE OF TRAFFIC NOTES

1. EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES. ANY CHANGE IN TRAFFIC CONTROL SHALL HAVE PRIOR APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) DAYS NOTICE IN ADVANCE OF CONSTRUCTION ACTIVITIES.
2. THE CONTRACTOR IS HEREBY ADVISED OF THE FOLLOWING PROJECT THAT MAY BE UNDER CONSTRUCTION DURING THE SAME TIME AS THIS CONTRACT NUMBER 61G08. THE CONTRACTOR WILL BE REQUIRED TO COOPERATE WITH THIS ADJACENT CONTRACT IN ACCORDANCE WITH SECTION 105.08 OF THE STANDARD SPECIFICATIONS AND MAY BE REQUIRED TO MODIFY STAGING OPERATIONS IN ORDER TO MEET THESE REQUIREMENTS. CONTRACTOR COOPERATION SHALL INCLUDE, BUT NOT BE LIMITED TO, MAINTENANCE OF TRAFFIC, TRAFFIC SIGNAL MAINTENANCE AND LIGHTING SYSTEM MAINTENANCE.
3. ALL LANE AND SIDEWALK CLOSURES SHALL BE IN ACCORDANCE WITH APPLICABLE HIGHWAY STANDARDS.
4. THE CONTRACTOR SHALL PROVIDE ACCESS TO BUSINESSES DURING CONSTRUCTION.
5. WORK ZONE LOCATIONS SHALL BE LIMITED TO ONLY THE AREA OF ANTICIPATED WORK FOR EACH DAY. WORK ZONE LIMITS FOR EACH DAY SHALL BE SUBMITTED FOR APPROVAL BY THE ENGINEER. ADDITIONAL TRAFFIC CONTROL DEVICES OR RECONFIGURATION OF DEVICES NECESSARY TO MAINTAIN LOCAL TRAFFIC SHALL BE IMPLEMENTED AS DIRECTED BY THE ENGINEER.
6. ALL FLAGGERS REQUIRED FOR MAINTENANCE OF TRAFFIC, INCLUDING ANY FLAGGERS NEEDED TO MAINTAIN TRAFFIC FOR SIDE STREETS AND COMMERCIAL DRIVEWAYS, SHALL BE INCLUDED IN THE COST OF THE RELATED TRAFFIC CONTROL AND PROTECTION PAY ITEM.
7. THE CONTRACTOR SHALL SUBMIT IDOT FORM BSPE-725 FOR LANE CLOSURES ALONG MILWAUKEE AVENUE AND HOWARD STREET.
8. LANE CLOSURES ON MILWAUKEE AVENUE AND HOWARD STREET ARE ONLY ALLOWED FROM 9AM TO 3PM MONDAY THROUGH FRIDAY. THE CONTRACTOR SHALL COORDINATE CROSSWALK INSTALLATION WITHIN THESE TIMES.
9. AGGREGATE SURFACE WILL NOT BE ALLOWED FOR MAINTAINING MAINLINE TRAFFIC. PATCHING OPERATIONS SHOULD BE STAGED SO THAT PATCHING CAN BE COMPLETED ON THE SAME DAY AS PAVEMENT REMOVAL.
10. ALL PARKING CLOSURES SHALL BE COORDINATED WITH ADJACENT BUSINESS OWNERS A MINIMUM OF THREE (3) DAYS IN ADVANCE AND APPROVED BY THE ENGINEER.
11. THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO DRIVEWAYS DURING CONSTRUCTION. THIS WORK SHALL BE IN ACCORDANCE WITH SPECIAL PROVISION FOR AGGREGATE FOR TEMPORARY ACCESS.
12. ALL COMMERCIAL PROPERTIES AND PARKING LOTS SHALL BE PROVIDED AT LEAST ONE INGRESS AND ONE EGRESS AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE DRIVEWAY CLOSURES/MODIFICATIONS WITH THE LOCAL BUSINESSES AND THE ENGINEER. COMMERCIAL DRIVEWAYS WHICH CANNOT BE CLOSED, AS DETERMINED BY THE ENGINEER, SHALL BE CONSTRUCTED IN STAGES OR WILL BE CONSTRUCTED WHEN BUSINESSES ARE NOT OPEN USING HIGH EARLY STRENGTH CONCRETE. IF NECESSARY, THE CONTRACTOR SHALL MAINTAIN ACCESS TO COMMERCIAL DRIVEWAYS BY USE OF FLAGGERS DURING CONSTRUCTION WORK HOURS AS DETERMINED BY THE ENGINEER.
13. RESIDENTS AND BUSINESSES SHALL HAVE ACCESS TO THEIR DRIVEWAYS AT THE END OF EACH DAY, EXCEPT DURING ADJACENT CURB AND GUTTER CONSTRUCTION OR CONCRETE DRIVEWAY REPLACEMENT.
14. CONSTRUCTION VEHICLES AND/OR EQUIPMENT SHALL NOT BE PARKED OVERNIGHT WITHIN VILLAGE RIGHT-OF-WAY IN FRONT OF COMMERCIAL BUSINESS PROPERTIES. THE ENGINEER WILL ASSIST THE CONTRACTOR IN IDENTIFYING CONSTRUCTION STAGING LOCATIONS AT THE START OF CONSTRUCTION.
15. ALL TYPE I OR II BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE EQUIPPED WITH STEADY BURN MONO-DIRECTIONAL LIGHTS. SPACING SHALL BE AT 50 FOOT INTERVALS ALONG WORK AREAS AND 25 FEET WHERE DIRECTION CHANGES AND TAPERS OCCUR, OR AS DIRECTED BY THE ENGINEER.

MAINTENANCE OF TRAFFIC NOTES (CONTINUED)

16. HOWARD STREET HAS A POSTED SPEED LIMIT OF 30 MPH AND MILWAUKEE AVENUE (IL 21) HAS A POSTED SPEED LIMIT OF 35 MPH.
17. ALL HOLES SHALL BE FILLED OR STEEL PLATED AT THE END OF EACH DAY. THE COST OF THIS WORK SHALL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION.

PEDESTRIAN ACCESS NOTES

1. AT LEAST ONE ADA ACCESSIBLE ENTRANCE TO BUSINESSES SHALL BE MAINTAINED DURING POSTED BUSINESS HOURS.
2. CONSTRUCTION AT BUSINESS DOORWAYS SHALL BE COORDINATED WITH BUSINESS OWNERS AND APPROVED BY THE ENGINEER. BUSINESSES SHALL BE NOTIFIED OF ANY DISRUPTION AND PLANNED WORK ADJACENT TO BUSINESS ENTRANCES AT LEAST 72 HOURS PRIOR TO WORK AND THE PROPOSED WORK SHALL BE APPROVED BY THE ENGINEER.
3. CONSTRUCTION ADJACENT TO BUSINESSES WITH ONLY ONE (1) PUBLIC DOORWAY SHALL HAVE BUSINESS ACCESS MAINTAINED BY THE FOLLOWING METHODS:

   TEMPORARY WOOD RAMPS MAY BE USED FOR PEDESTRIAN ACCESS TO BUSINESS ENTRANCES TO CROSS EXCAVATED CONSTRUCTION AREAS AND NEWLY POURED CONCRETE. USE OF TEMPORARY RAMPS SHALL BE COORDINATED AND APPROVED BY THE AFFECTED BUSINESS(ES) AND THE ENGINEER. TEMPORARY RAMPS SHALL BE INSTALLED AND REMOVED ON THE SAME WORKING DAY AT EACH LOCATION. TEMPORARY RAMPS WILL NOT BE ALLOWED TO BE INSTALLED DURING NON-WORK HOURS. TEMPORARY RAMPS SHALL MEET ALL ADA REQUIREMENTS

   WHERE TEMPORARY RAMPS CANNOT BE INSTALLED OR THE BUSINESS OWNER DOES NOT APPROVE OF USE OF TEMPORARY RAMPS, CONSTRUCTION ADJACENT TO BUSINESSES WITH ONE ENTRANCE SHALL BE PERFORMED DURING HOURS OF WORK IN WHICH THE AFFECTED BUSINESS IN CLOSED. HOURS IN WHICH CONSTRUCTION CAN OCCUR AT THESE LOCATIONS SHALL BE COORDINATED WITH THE VILLAGE/BUSINESS OWNER AND APPROVED BY THE ENGINEER.

SUGGESTED CONSTRUCTION STAGING NOTES

1. THE CONTRACTOR SHALL SUBMIT A PREPLANNED SEQUENCE OF WORK PRIOR TO THE START OF WORK FOR REVIEW AND APPROVAL. NO WORK SHALL COMMENCE UNTIL PREPLANNED SEQUENCE OF WORK HAS BEEN APPROVED BY VILLAGE. WORK SHALL BE SCHEDULED TO MINIMIZE INCONVENIENCE TO BUSINESSES AND TO MAINTAIN A REASONABLE LEVEL OF CONSTRUCTION EFFICIENCY. THE VILLAGE AND/OR ENGINEER RESERVES THE RIGHT TO RESTRICT WORK IN ANY SEGMENT IF CONSTRUCTION OPERATIONS ON A PREVIOUS SEGMENT ARE UNACCEPTABLE; TRAFFIC CONTROL OPERATIONS BECOME UNACCEPTABLE; OR AN EROSION CONTROL DEFICIENCY EXISTS.
2. THE ENGINEER SHALL BE NOTIFIED OF ANY CHANGES TO CONSTRUCTION STAGING. ALL CHANGES TO CONSTRUCTION STAGING MUST BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION.
3. THE CONTRACTOR WILL BE REQUIRED ATTEND WEEKLY PROGRESS MEETINGS WITH THE VILLAGE AND ENGINEER TO PROVIDE THE ENGINEER AND VILLAGE WEEKLY UPDATES ON THE PROPOSED WORK SCHEDULE AND UPCOMING SEQUENCE OF CONSTRUCTION ACTIVITIES. THE WORK SCHEDULE AND SEQUENCE OF WORK WILL REQUIRE APPROVAL OF THE VILLAGE AND COORDINATION WITH IMPACTED PROPERTY OWNERS.
4. CONSTRUCTION ACTIVITIES, INCLUDING SIDEWALK REMOVAL, SHALL BE STAGED IN A MANNER AS TO MINIMIZE THE LENGTH OF TIME OF DISTURBANCE FOR EACH WORK ZONE. SIDEWALK REMOVAL SHALL NOT BE ALLOWED TO BEGIN IN A WORK ZONE UNTIL SUBSEQUENT CONSTRUCTION ACTIVITIES ARE READY TO BEGIN WITHIN THE SAME WORK ZONE AREA.
5. THE COST OF ADDITIONAL DEPLOYMENTS, SETUPS AND/OR MOBILIZATIONS NEEDED FOR STAGED CONSTRUCTION SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. THE MAXIMUM DURATION FOR EACH STAGE IS SPECIFIED IN THE SUGGESTED SEQUENCE OF CONSTRUCTION, BUT THE TOTAL DURATION OF THE PROJECT SHALL NOT EXCEED THE WORKING DAY LIMIT SPECIFIED IN THE SPECIAL PROVISIONS.
7. TO MINIMIZE DISRUPTION TO ADJACENT BUSINESSES, WORK SHALL BE STAGED SO THAT DURATION OF TIME BETWEEN REMOVAL OF PAVEMENT AND/OR SIDEWALK AND THE COMPLETION OF NEW PAVEMENT AND/OR SIDEWALK DOES NOT EXCEED 30 CONSECUTIVE CALENDAR DAYS FOR EACH WORK AREA ALONG THE STORE FRONTS. FOR THE SUGGESTED SEQUENCE OF CONSTRUCTION, THIS REQUIREMENT HAS BEEN APPLIED TO EACH STAGE. IF THE CONTRACTOR PROPOSES A DIFFERENT SEQUENCE OF CONSTRUCTION, THIS REQUIREMENT WILL STILL BE APPLICABLE.

SUGGESTED SEQUENCE OF CONSTRUCTION

PRIOR TO STAGE 1
1. ESTABLISH TRAFFIC CONTROL ITEMS.
2. ESTABLISH EROSION CONTROL MEASURES.

STAGE 1 (DURATION SHALL NOT EXCEED 30 CALENDAR DAYS)
CONSTRUCTION
1. WORK IN ZONES A AND C.
2. REMOVE EXISTING PAVEMENT, SIDEWALK AND CURB AND GUTTER.
3. PARTIAL INSTALLATION OF ELECTRICAL AND IRRIGATION SYSTEM.
4. COMPLETE CURB AND GUTTER, SIDEWALK AND HMA PAVEMENT IN ZONES A AND C.
5. USE TEMPORARY AGGREGATE TO RESTORE PARKING LOT TRAFFIC IN AREA A.

TRAFFIC CONTROL
1. MAINTAIN BUSINESS ACCESS WALKWAY USING TEMPORARY AGGREGATE AND TEMPORARY SIDEWALK RAMPS.
2. THE SIDEWALK ALONG THE NORTHEAST SIDE OF MILWAUKEE AVENUE WILL BE CLOSED USING HIGHWAY STANDARD 701801 FROM HOWARD STREET TO JONQUIL TERRACE. THE SIDEWALK ALONG THE SOUTHEAST SIDE OF MILWAUKEE AVENUE SHALL BE MAINTAINED.
3. THE PARKING AREA OF ZONE A WILL BE CLOSED USING TYPE III BARRICADES.
4. PARKING AND PARKING LOT TRAFFIC WILL BE MAINTAINED IN ZONE B AND IN THE PUBLIC PARKING LOT.
5. USE DAY TIME LANE CLOSURES IN ACCORDANCE WITH THE APPROPRIATE HIGHWAY STANDARD AS NEEDED AND APPROVED BY IDOT AND THE ENGINEER.

STAGE 2 (DURATION SHALL NOT EXCEED 30 CALENDAR DAYS)
CONSTRUCTION
1. WORK IN ZONES B AND D.
2. REMOVE EXISTING PAVEMENT, SIDEWALK AND CURB AND GUTTER.
3. PARTIAL INSTALLATION OF ELECTRICAL AND IRRIGATION SYSTEM.
4. COMPLETE CURB AND GUTTER, SIDEWALK AND HMA PAVEMENT IN ZONES B AND D.
5. USE TEMPORARY AGGREGATE TO RESTORE PARKING LOT TRAFFIC IN AREA B.

TRAFFIC CONTROL
1. MAINTAIN BUSINESS ACCESS WALKWAY USING TEMPORARY AGGREGATE AND TEMPORARY SIDEWALK RAMPS.
2. THE SIDEWALK ALONG THE NORTHEAST SIDE OF MILWAUKEE AVENUE WILL BE CLOSED FROM HOWARD STREET TO JONQUIL TERRACE. THE SIDEWALK ALONG THE SOUTHEAST SIDE OF MILWAUKEE AVENUE SHALL BE MAINTAINED.
3. THE PARKING AREA OF ZONE B WILL BE CLOSED USING TYPE III BARRICADES.
4. PARKING AND PARKING LOT TRAFFIC WILL BE MAINTAINED IN ZONE A AND IN THE PUBLIC PARKING LOT.
5. USE DAY TIME LANE CLOSURES IN ACCORDANCE WITH THE APPROPRIATE HIGHWAY STANDARD AS NEEDED AND APPROVED BY IDOT AND THE ENGINEER.

STAGE 3 (DURATION SHALL NOT EXCEED 30 CALENDAR DAYS)
CONSTRUCTION
1. COMPLETE ELECTRICAL AND IRRIGATION SYSTEM INSTALLATION.
2. COMPLETE LANDSCAPING OF PLANTERS AND PARKWAY RESTORATION.
3. INSTALL REQUIRED PAVEMENT MARKINGS.
4. REMOVE TEMPORARY EROSION CONTROL ITEMS.
5. COMPLETE PUNCH LIST ITEMS.

TRAFFIC CONTROL
1. PARKING, PARKING LOT TRAFFIC, AND SIDEWALKS WILL BE OPEN IN ALL AREAS WITH TEMPORARY CLOSURES USING THE APPROPRIATE HIGHWAY STANDARD AS APPROVED BY THE ENGINEER.

BY BAXTER & WOODMAN, INC.
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers

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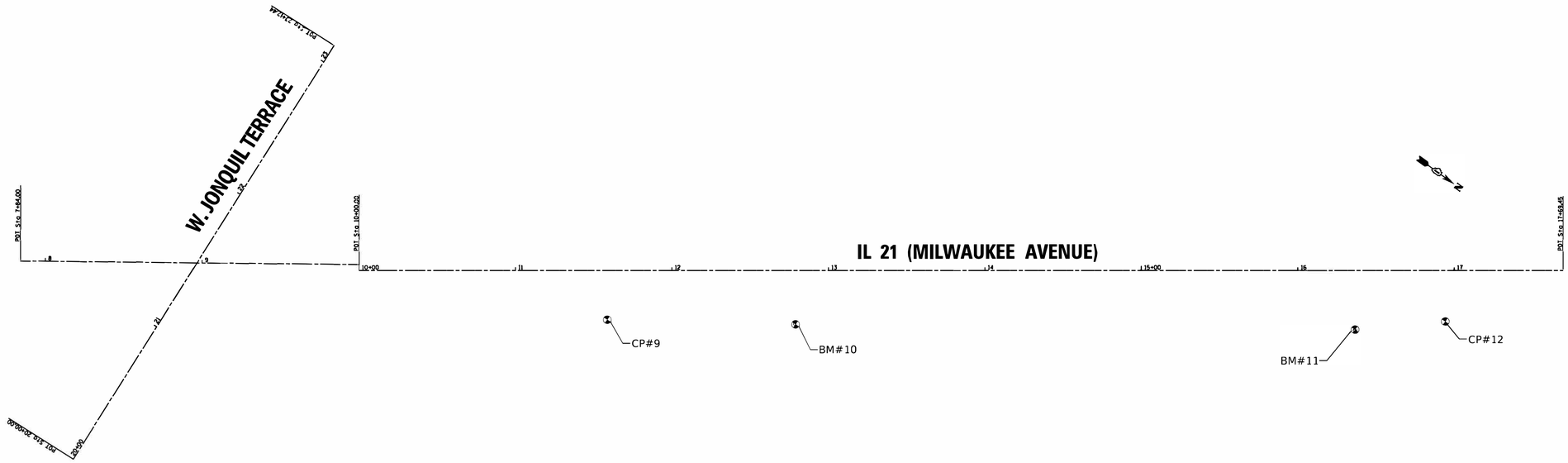
	DRAWN - KAR	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JCC	REVISED -
PLOT DATE = 3/19/2020	DATE - 2-28-2020	FILE - 170599_SHT-Staging.dgn

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

CONSTRUCTION STAGING AND MAINTENANCE OF TRAFFIC PLAN

SCALE: NO SCALE | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	9
		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT 9WZI(183)		



Chain HOW CW CL contains:
L1 L2

Beginning chain HOW CW CL description
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Point L1 N 1,949,937.90 E 1,127,260.07 Sta 20+00

Course from L1 to L2 S 87° 47' 09" W Dist 312.44

Point L2 N 1,949,925.83 E 1,126,947.87 Sta 23+12

==========
Ending chain HOW CW CL description

Chain MIL_CW_CL contains:
K1 K2

Beginning chain HOW CW CL description
==========

Point K1 N 1,949,838.43 E 1,127,174.84 Sta 7+84

Course from K1 to K2 N 33° 52' 27" W Dist 316.00

Point K2 N 1,950,100.80 E 1,126,998.71 Sta 11+00

==========
Ending chain MIL_CW_CL description

Chain MIL CL contains:
A1 A2

Beginning chain MIL CL description
==========

Point A1 N 1,950,020.33 E 1,127,057.32 Sta 10+00

Course from A1 to A2 N 34° 28' 51" W Dist 706.45

Point A2 N 1,950,654.60 E 1,126,621.71 Sta 17+69

==========
Ending chain MIL CL description

BM#10 N BOLT ON FIRE HYDRANT @ 7637 MILWAUKEE AVENUE
ELEVATION 645.49
N = 1950269.5877
E = 1126927.6416

BM#11 NE BOLT ON FIRE HYDRANT @ 7667 MILWAUKEE AVENUE
ELEVATION 645.06
N = 1950566.4093
E = 1126728.1201

CP#9 X IN EAST EDGE OF WALK @ 7625 MILWAUKEE AVENUE
ELEVATION = 644.02
N = 1950168.8631
E = 1126993.5123

CP#11 PK EAST REAR PLOT
ELEVATION = 642.41
N = 1950484.0447
E = 1126933.29

CP#12 PK NEX JONQUIL & MILWAUKEE
ELEVATION = 643.26
N = 1950611.1086
E = 1126691.2860

BY BAXTER & WOODMAN, INC.
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
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BAXTER & WOODMAN Consulting Engineers

USER NAME = 560KAR	DESIGNED - LJF	REVISED -	
	DRAWN - KAR	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - JCC	REVISED -	
PLOT DATE = 3/19/2020	DATE - 2-28-2020	FILE - 170599_SHT-Alignmt-Ties.dgn	

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

ALIGNMENT & BENCHMARKS
MILWAUKEE AVENUE

SCALE: 1" = 40' | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	10
		CONTRACT NO. 61G15		
		ILLINOIS FED. AID PROJECT 9WZI(183)		

NOTES:

1. ALL STATIONS AND OFFSETS ARE FROM THE PARKING LOT CENTERLINE AND TO EOP UNLESS OTHERWISE INDICATED.

DRIVEWAY PAVEMENT REMOVAL
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
SUBBASE GRANULAR MATERIAL, TYPE B 6"
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH

COMBINATION CURB AND GUTTER REMOVAL
SUBBASE GRANUALR MATERIAL, TYPE B 4"
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

CURB REMOVAL
SUBBASE GRANUALR MATERIAL, TYPE B 4"
CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)

SIDEWALK REMOVAL
BRICK PAVER ACCENT STRIP
(SEE DETAIL)

SIDEWALK REMOVAL
TURF GRASS OR PLANTERS
(SEE DETAILS AND LANDSCAPING PLANS)

SIDEWALK REMOVAL
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
SUBBASE GRANULAR MATERIAL, TYPE B 6"
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH

HMA SURFACE REMOVAL, 3"
HMA SURFACE COURSE, MIX "D", N50 - 3"

SIDEWALK REMOVAL
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
SUBBASE GRANULAR MATERIAL, TYPE B 6"
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH

INCIDENTIAL HOT MIX ASPHALT SURFACING

MILWAUKEE AVENUE
CENTERLINE

IL 21 (MILWAUKEE AVENUE)

PARKING LOT
CENTERLINE

SIDEWALK AREA FOR BENCH
AND TRASH CAN

SIDEWALK REMOVAL
SUBBASE GRANULAR
MATERIAL, TYPE B 4"
PCC SIDEWALK 5 INCH

PR TEMP ESMT

CONCRETE CURB, TYPE B (TYP)

HMA SURFACE REMOVAL, 3"
EARTH EXCAVATION
SUBBASE GRANULAR MATERIAL, TYPE B 4"
CONCRETE CURB, TYPE B

PR ESMT

CONCRETE CURB, TYPE B
INCIDENTIAL HMA SURFACING

HMA SURFACE REMOVAL, 3"
EARTH EXCAVATION
SUBBASE GRANULAR
MATERIAL, TYPE B 4"
PCC SIDEWALK 8 INCH

LANDSCAPING, SEE LANDSCAPING PLAN

P RTEMP ESMT

HMA SURFACE REMOVAL, 3"
EARTH EXCAVATION
SUBBASE GRANULAR MATERIAL, TYPE B 4"
COMBINATION CONCRETE CURB AND GUTTER,
TYPE B-6.12 (REVERSE PITCH)

LANDSCAPING, SEE LANDSCAPING PLAN

SIDEWALK AREA
FOR BENCH
AND TRASH CAN

DETECTABLE
WARNINGS

W. JONQUIL TERRACE

BACK OF SIDEWALK PROFILE

PARKING LOT CENTERLINE PROFILE

BY BAXTER & WOODMAN, INC.
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
560KAR 3/19/2020 12:44:07 PM
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BAXTER & WOODMAN Consulting Engineers

USER NAME = 560KAR	DESIGN ED - LJF	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JCC	REVISED -
PLOT DATE = 3/19/2020	DATE - 2-28-2020	FILE - 170599_SHT-Plan1.dgn

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

STREETSCAPE PLAN & PROFILE

SCALE: H: 1"=20' V: 1"=5' STA. TO STA.

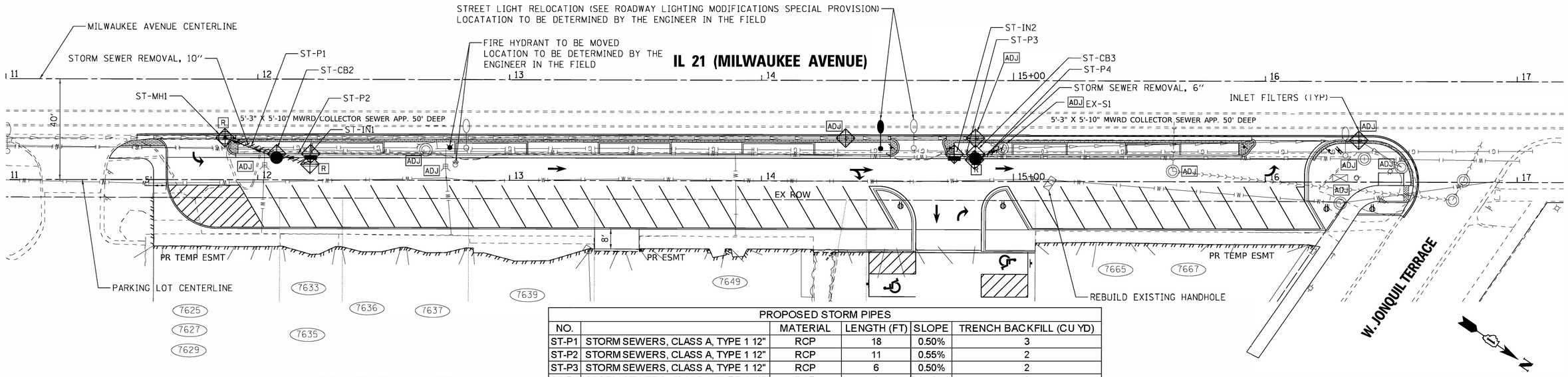
F.A. RTE.	SECTION	COUN TY	TOTAL SHEETS	SHEET N O.
374	17-00129-00-LS	COOK	41	11
		CONT RACT NO.	61G15	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	9WZI(183)	

NOTES:

1. LIGHT POLE RELOCATION WORK SHALL BE INCLUDED IN THE COST OF ROADWAY LIGHTIN MODIFICATIONS. SEE THE SPECIAL PROVISION FOR MORE INFORMATION.

2. STATION AND OFFSETS SHOWN ON THIS SHEET ARE TO THE PARKING LOT CENTER LINE ALIGNMENT

PROPOSED STORM STRUCTURES						
NO.	STATION	OFFSET	TYPE	ELEV	RIM/EP	INVERT
ST-MH1	11+87	16.7' LT	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	643.28	RIM	641.03 12" N, 641.03 12" NW (EX), 641.03 10" SW (EX)
ST-CB1	12+07	8.9' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	643.36	RIM	641.12 12" S, 641.12 12" N
ST-IN1	12+21	8.9' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	643.29	RIM	641.18 12" SE
ST-IN2	14+77	9.0' LT	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	643.18	RIM	640.18 12" NW
ST-CB2	14+85	9.0' LT	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	643.08	RIM	639.28 12" NW, 640.15 12" SE
EX-S1	14+96	13.2' LT	EXISTING MANHOLE	644.06	RIM	639.24 12" SE, 639.24 12" NW (EX), 640.60 8" S (EX)



PROPOSED STORM PIPES					
NO.		MATERIAL	LENGTH (FT)	SLOPE	TRENCH BACKFILL (CU YD)
ST-P1	STORM SEWERS, CLASS A, TYPE 1 12"	RCP	18	0.50%	3
ST-P2	STORM SEWERS, CLASS A, TYPE 1 12"	RCP	11	0.55%	2
ST-P3	STORM SEWERS, CLASS A, TYPE 1 12"	RCP	6	0.50%	2
ST-P4	STORM SEWERS, CLASS A, TYPE 1 12"	RCP	8	0.50%	2

MWRD GENERAL NOTES

REFERENCED SPECIFICATIONS

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
   * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
   * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
   * VILLAGE OF NILES MUNICIPAL CODE;
   * THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
   * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

NOTIFICATIONS

1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).

2. THE VILLAGE OF NILES ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.

3. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

GENERAL NOTES

1. ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

2. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.

3. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.

4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.

5. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.

6. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

7. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.

8. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.

9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.

10. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.

2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.

3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.

4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
   a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
   b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.

9. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.

10. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.

11. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).

12. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.

13. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.

14. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.

15. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.

16. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER.

17. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATER MAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.

19. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.

20. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.

21. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.

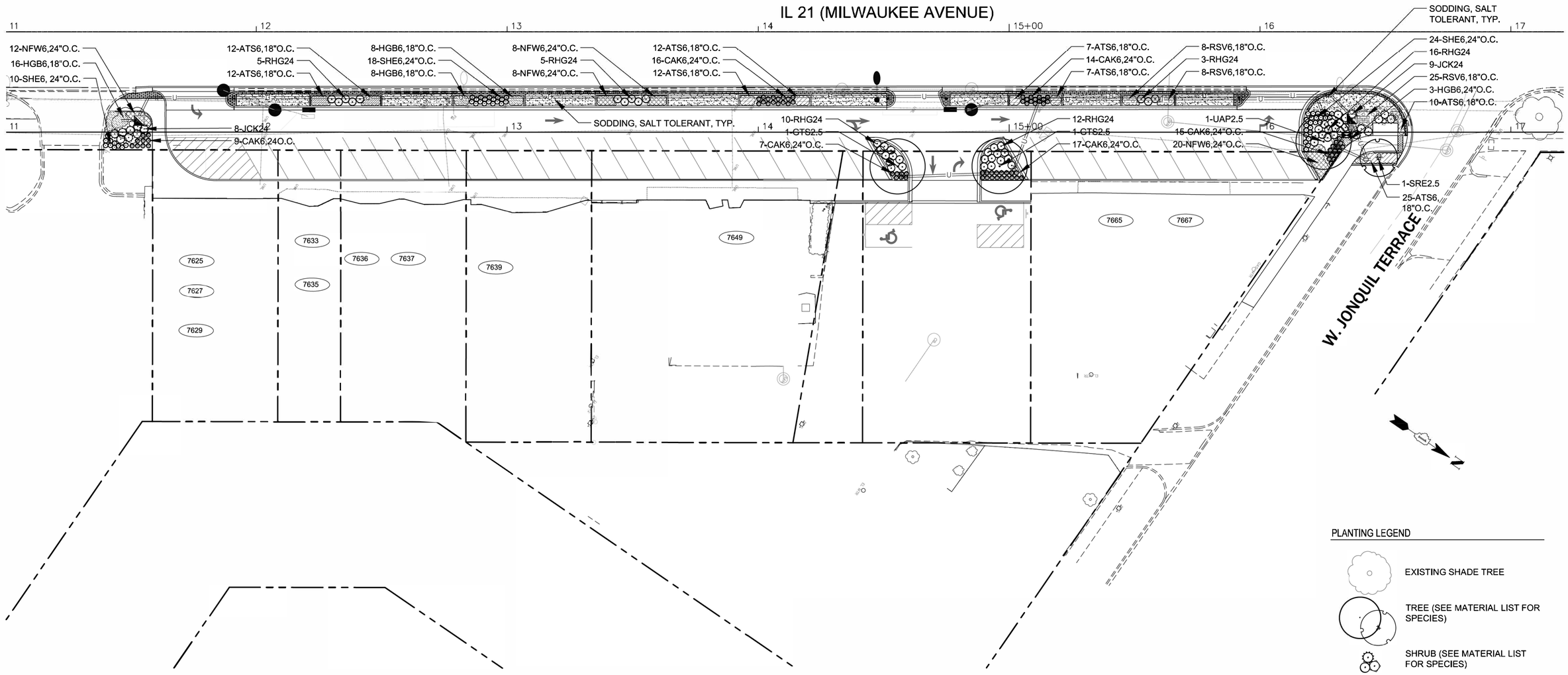
22. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

BAXTER & WOODMAN Consulting Engineers	USER NAME = 560KAR	DESIGNED - LJF	REVISED -	VILLAGE OF NILES, ILLINOIS MILWAUKEE AVENUE STREETSCAPE IMPROVEMENTS
		DRAWN - KAR	REVISED -	
	PLOT SCALE = 20.0000 ' / in.	CHECKED - JCC	REVISED -	
	PLOT DATE = 3/19/2020	DATE - 2-28-2020	FILE - 170599_SHT-Du-Util-Plan1.dgn	

DRAINAGE AND UTILITY PLAN

SCALE: 1" = 20' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	12
		CONTRACT NO. 61G15		
		ILLINOIS	FED. AID PROJECT 9WZI(183)	



PLANTING LEGEND

- EXISTING SHADE TREE
- TREE (SEE MATERIAL LIST FOR SPECIES)
- SHRUB (SEE MATERIAL LIST FOR SPECIES)
- PERENNIAL PLANTS, ORNAMENTAL TYPE (SEE MATERIAL LIST FOR SPECIES)
- SODDING, SALT TOLERANT

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USER NAME =	DESIGNED - MPW	REVISED - 12-20-2019	
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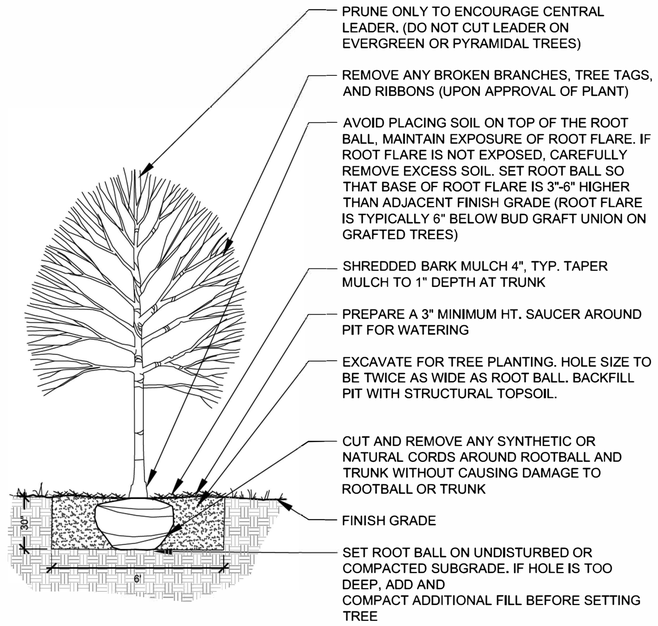
PLOT SCALE = 20.0000' / in.	CHECKED - TCK	REVISED -	
PLOT DATE =	DATE - 11-25-2019	FILE -	

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

LANDSCAPE PLAN

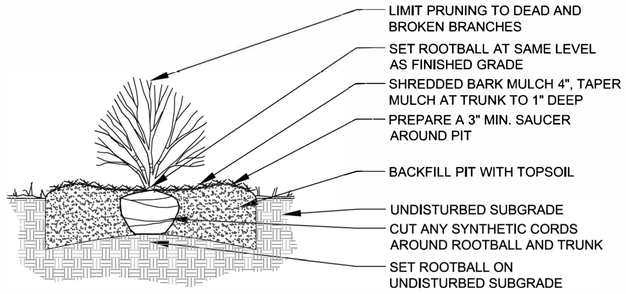
SCALE: 1" = 20' | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	17-00129-00-LS	COOK	41	13
		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT $PROJECT		



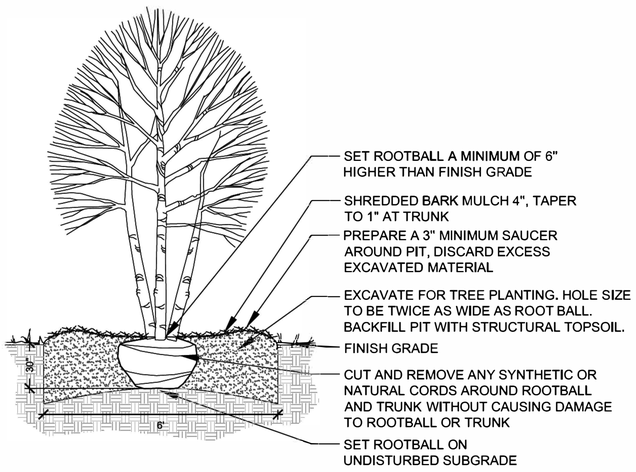
1 DECIDUOUS TREE PLANTING

SCALE: 1/2" = 1'-0"



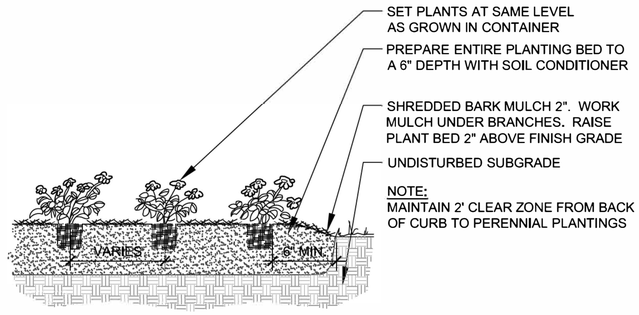
3 SHRUB PLANTING

SCALE: 1/2" = 1'-0"



2 ORNAMENTAL TREE PLANTING

SCALE: 1/2" = 1'-0"



4 PERENNIAL PLANTING

SCALE: 1/2" = 1'-0"

PLANT MATERIAL LIST

CODE	BOTANICAL NAME	COMMON NAME	SIZE	QTY
SHADE TREES				
GTS2.5	GLEDITSIA TRIACANTHOS VAR. INERMIS 'SHADEMASTER'	SHADEMASTER THORNLESS HONEYLOCUST	2 1/2" C	2
UAP2.5	ULMUS AMERICANA 'PRINCETON'	PRINCETON AMERICAN ELM	2 1/2" C	1
INTERMEDIATE TREES				
SRE2.5	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	2 1/2" C	1
DECIDUOUS SHRUBS				
RHG24	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	24" HT	48
EVERGREEN SHRUBS				
JCK24	JUNIPERUS CHINENSIS 'KALLAY COMPACT'	KALLAY COMPAC CHINESE JUNIPER	24" W	17
PERENNIALS				
ATS6	ALLIUM TANGUTICUM 'SUMMER BEAUTY'	SUMMER BEAUTY ORNAMENTAL CHIVE	1 GAL	97
CAK6	CALAMAGROSTIS X ACUTIFLORA 'KARL FOERSTER'	KARL FOERSTER FEATHER REED GRASS	1 GAL	78
HGB6	HEMEROCALLIS 'GOING BANANAS'	GOING BANANAS DAYLILY	1 GAL	35
NFW6	NEPETA X FAASSENII 'WALKER'S LOW'	WALKER'S LOW CATMINT	1 GAL	48
RSV6	RUDBECKIA SPECIOSA 'VIETTE'S LITTLE SUZY'	VIETTE'S LITTLE SUZY BLACK-EYED SUSAN	1 GAL	41
SHE6	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	1 GAL	52

ALL PERENNIALS TO BE PAID FOR AS PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT (1 UNIT = 100 PLANTS)

TOTAL PERENNIALS: 351

TOTAL UNITS: 3.51

SEE SUMMARY OF QUANTITIES FOR SPECIFIC PLANT MATERIAL PAY ITEMS

PLANTING NOTES

1. QUANTITIES ARE SUMMARIZED FOR THE CONVENIENCE OF THE OWNER ONLY. PAYMENT WILL BE MADE BASED ON ACTUAL QUANTITIES INSTALLED AS MEASURED BY THE ENGINEER.

2. LAYOUT OF ALL PLANT MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION.

3. SOD TO LIMITS OF DISTURBANCE FOR RESTORATION ONLY. CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ANY UNAUTHORIZED DISRUPTION OUTSIDE OF DESIGNATED CONSTRUCTION AREA.

4. CONTRACTOR IS RESPONSIBLE FOR EROSION CONTROL IN ALL DISTURBED AREAS. ALL DISTURBED AREAS ARE TO BE PROTECTED WITHIN 24 HOURS. DO NOT DISTURB MORE AREA THAN CAN BE COMPLETED AND PROTECTED WITHIN 24 HOURS.

5. PLACE TOPSOIL TO A DEPTH OF 6 INCHES IN ALL SODDING, SALT TOLERANT AREAS.

6. PLACE TOPSOIL TO A DEPTH OF 12 INCHES IN ALL PLANT BEDS. PLACE 6 INCHES OF SOIL CONDITIONER IN ALL PLANTING BEDS, ROTOTILL INTO TOP 12 INCHES.

7. PROVIDE MULCH TO A DEPTH OF 4 INCHES ON ALL WOODY PLANTS AND 2 INCHES ON ALL PERENNIALS PER IDOT STANDARD SPECIFICATIONS.

8. REFER TO THE SPECIAL PROVISIONS FOR ADDITIONAL CONDITIONS, STANDARDS AND NOTES.

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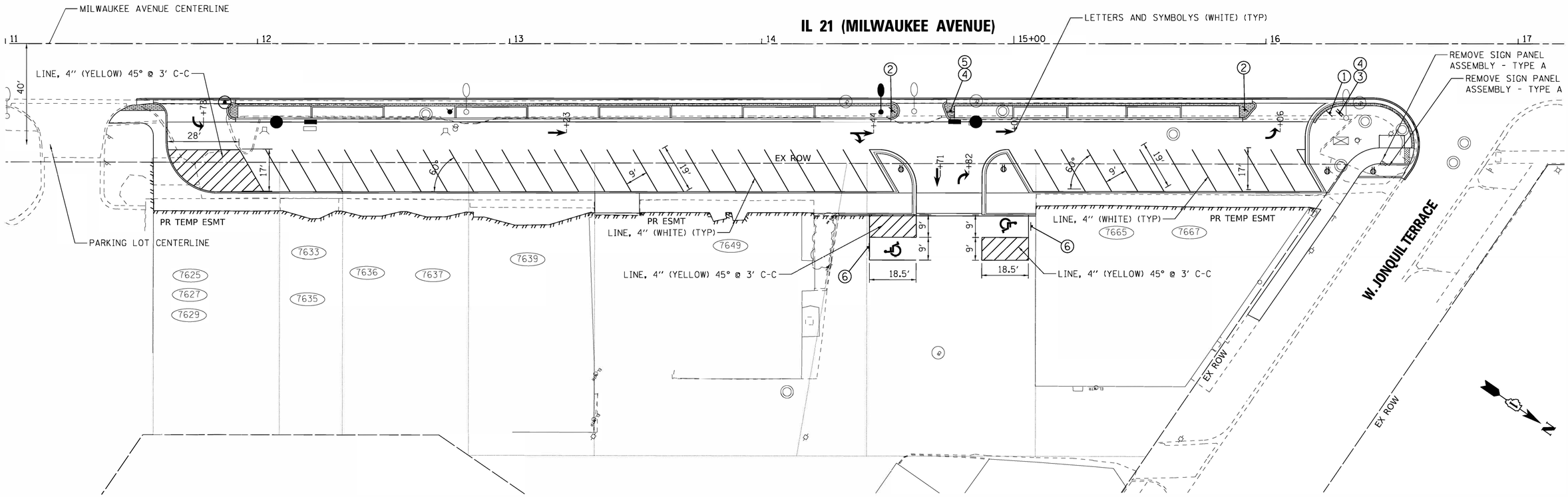
USER NAME =	DESIGNED - MPW	REVISED - 12-20-2019
	DRAWN - MPW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - TCK	REVISED -
PLOT DATE =	DATE - 11-25-2019	FILE -

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

LANDSCAPE DETAILS

SCALE: 1" = 20' | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
---	17-00129-00-LS	COOK	41	14
		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT $PROJECT		



SIGN SCHEDULE							
					72000100	72800100	73100100
					SIGN PANEL - TYPE 1	TELESCOPING STEEL SIGN SUPPORT	BASE FOR TELESCOPING STEEL SIGN SUPPORT
STATION	OFFSET	SIGN	NUMBER	SIZE	SQ FT	FOOT	EACH
14+42	40.8' RT	HANDICAP PARKING	R7-8	12X18	1.5	8	1
		$250 FINE		12X6	0.5		
14+52	13.3' LT	NO LEFT TURN	R3-2R	36X36	9	14	0
14+75	13.4' LT	DO NOT ENTER	R5-1	30X30	6.25	16	0
		ONE WAY	R6-2	24X30	5		
15+07	32.4' RT	HANDICAP PARKING	R7-8	12X18	1.5	8	1
		$250 FINE		12X6	0.5		
15+92	13.8' LT	NO LEFT TURN	R3-2L	36X36	9	14	0
16+25	12.6' LT	STOP	R1-1	30X30	6.25	16	0
16+29	12.6' LT	DO NOT ENTER	R5-1	36X36	9	16	0
		RIGHT TURN ONLY	R3-5	30X36	7.5		
TOTALS					56	92	2

SIGN LEGEND

① STOP — R1-1, 36" X 36"

② — R3-2L, 36" X 36"

③ ONLY — R3-5R, 30" X 36"

④ DO NOT ENTER — R5-1, 36" X 36"

⑤ ONE WAY — R6-2, 24" X 30"

⑥ RESERVED PARKING / $250 FINE — R7-8, 12" X 18" / 12" X 6"

NOTES:

1. STATION AND OFFSET IS TO PARKING LOT CENTERLINE UNLESS OTHERWISE NOTED

2. PAVEMENT MARKING SHALL BE THERMOPLASTIC PAVEMENT MARKINGS.

BAXTER & WOODMAN Consulting Engineers

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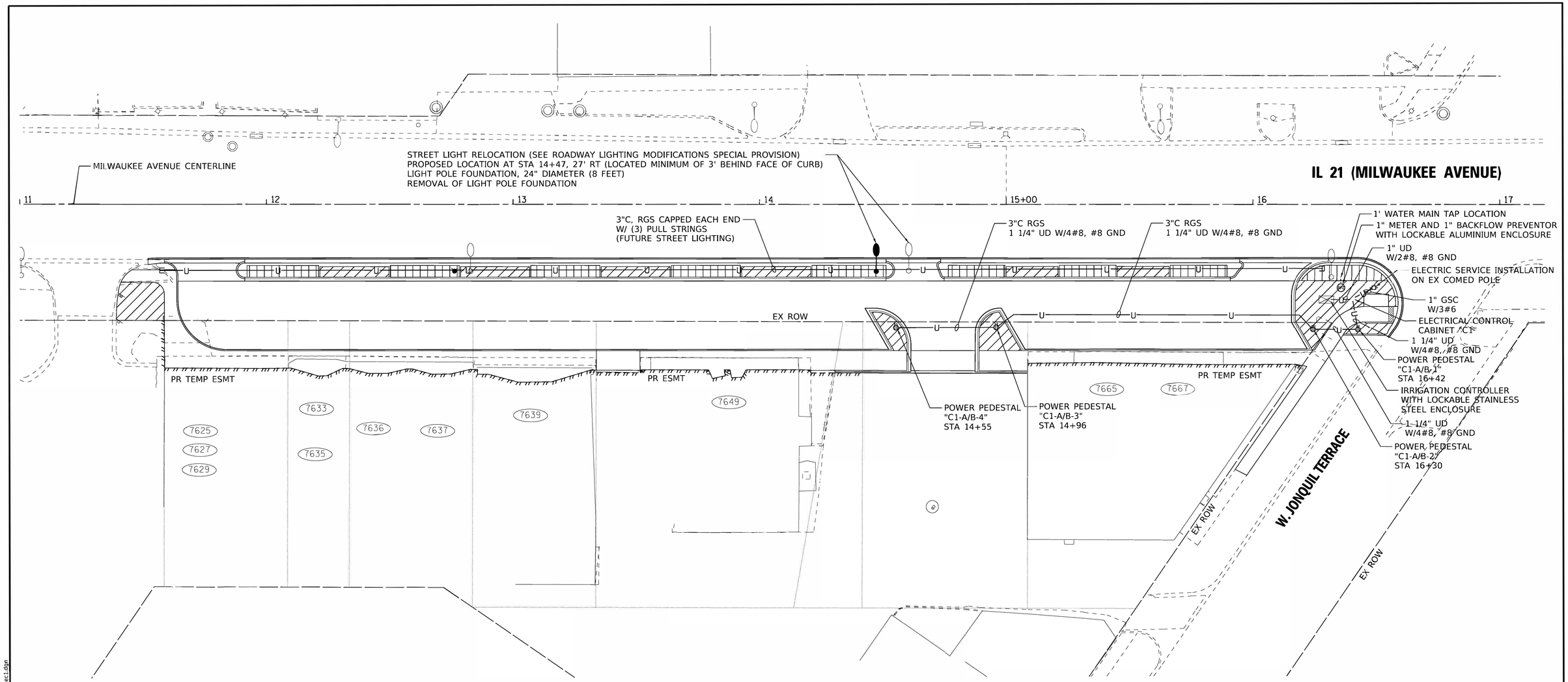
	DRAWN - KAR	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - JCC	REVISED -	
PLOT DATE = 3/19/2020	DATE - 2-28-2020	FILE - 170599-SHT-Lndscpe-Signs.dgn	

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

PAVEMENT MARKING AND SIGNAGE PLAN

SCALE: 1" = 20' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	15
		CONTRACT NO. 61G15		
	ILLINOIS FED. AID PROJECT 9WZI(183)			



LEGEND

AREA IRRIGATION IS REQUIRED
USING 4 INCH SPRAY HEAD

AREA IRRIGATION IS REQUIRED
USING 12 INCH SPRAY HEAD

NOTES:

1. THE IRRIGATION PLAN IS ONLY A SCHEMATIC SHOWING AREAS REQUIRING IRRIGATION AND APPOXIMATE LOCATIONS OF KEY COMPONENTS. THE ACTUAL IRRIGATION LAYOUT SHALL BE DESIGNED BY A CERTIFIED IRRIGATION SPECIALIST IN ACCORDANCE WITH APPLICABLE DETAILS, SPECIAL PROVISIONS AND PLANS AND APPROVED BY THE ENGINEER.
2. STREET LIGHT RELOCATION SHALL BE DONE SO THAT AT NO TIME THE ROADWAY WILL BE UNLIGHTED AT NIGHT.
3. THE IRRIGATION CONTROLLER AND POWER PEDESTALS SHALL BE GROUNDED IN ACCODANCE WITH NEC REQUIREMENTS.

BAXTER & WOODMAN Consulting Engineers

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PLOT DATE = 3/9/2020	DATE - 2-28-2020	FILE - 170599SHTElec1dgn	

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

ELECTRICAL SYSTEM AND IRRIGATION PLAN

SCALE 1"=20' | SHEET 1 OF 1 SHEETS | STA. | TO STA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	16
		CONTRACT NO. 61G15		
	ILLINOIS FED. AID PROJECT 9 WZJ(183)			

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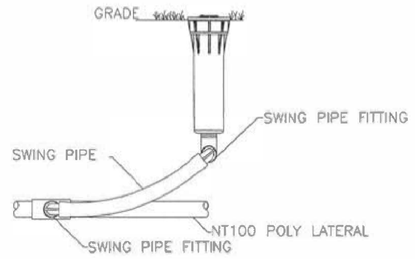
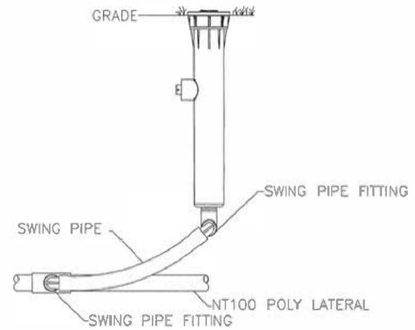
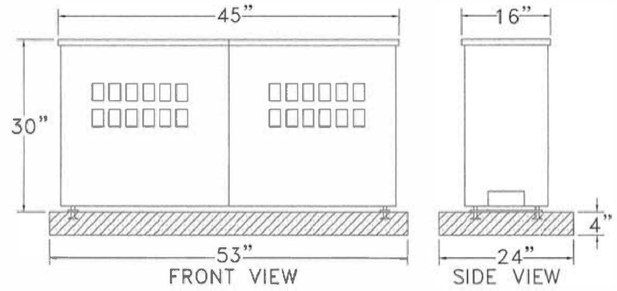


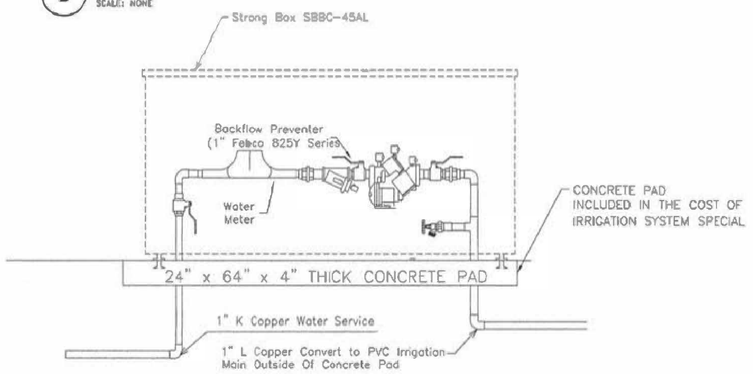
A PROS-04-PRS30 4" SPRAY HEAD
SCALE: NONE



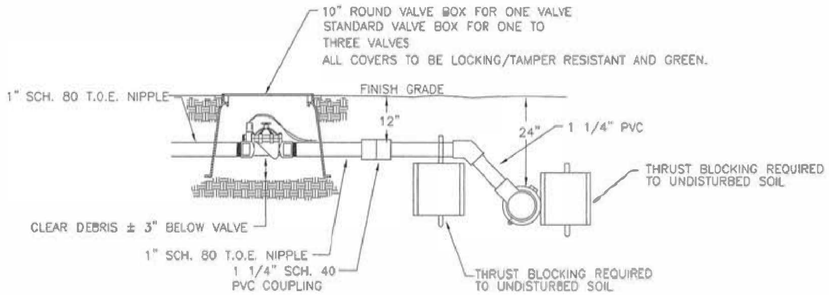
C PROS-12-PRS30 12" SPRAY HEAD
SCALE: NONE



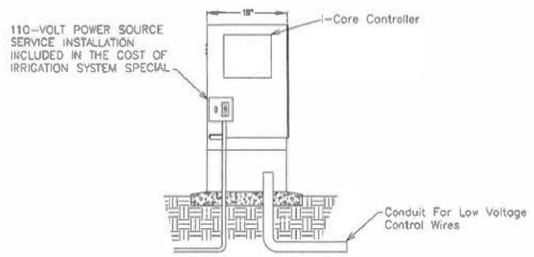
B STRONG BOX
SCALE: NONE



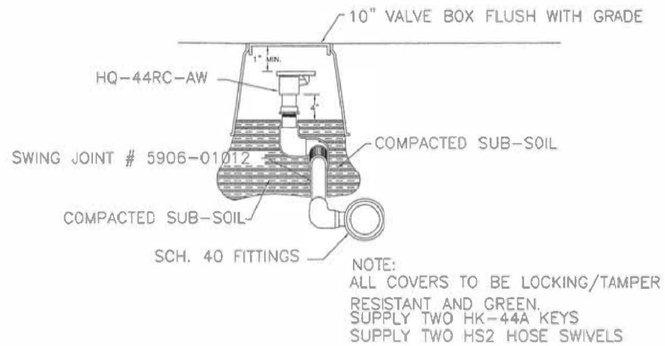
D 1" METER AND RPZ INSTALLED IN ENCLOSURE
SCALE: NONE



E 1" PGV SERIES SOLENOID VALVE
SCALE: NONE



F STRONG BOX
WITH I-CORE CONTROLLER
SCALE: NONE



G HQ-44RC-AW QUICK COUPLER
SCALE: NONE

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	DRAWN - KAR	REVISED -	
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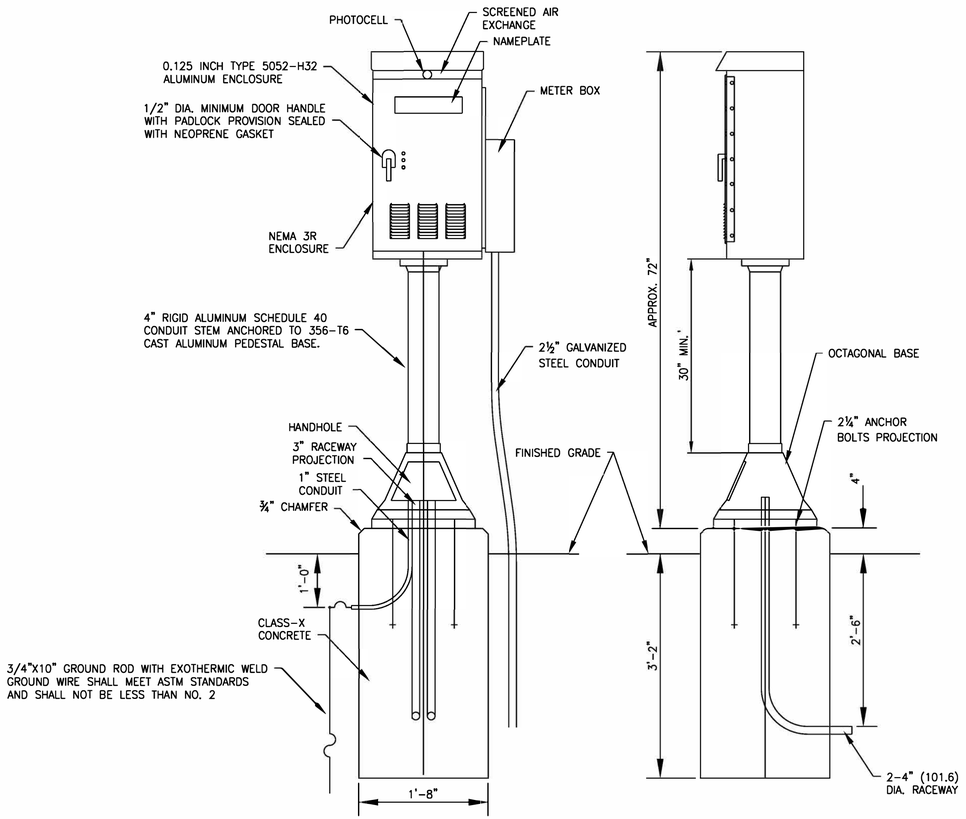
PLOT DATE = 3/19/2020	DATE - 2-28-2020	FILE - 170599_SHT-Elec-Irrgtn-Details.dgn	

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

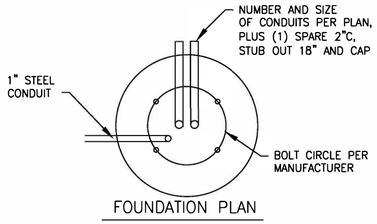
IRRIGATION DETAILS

SCALE: 1" = 20' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

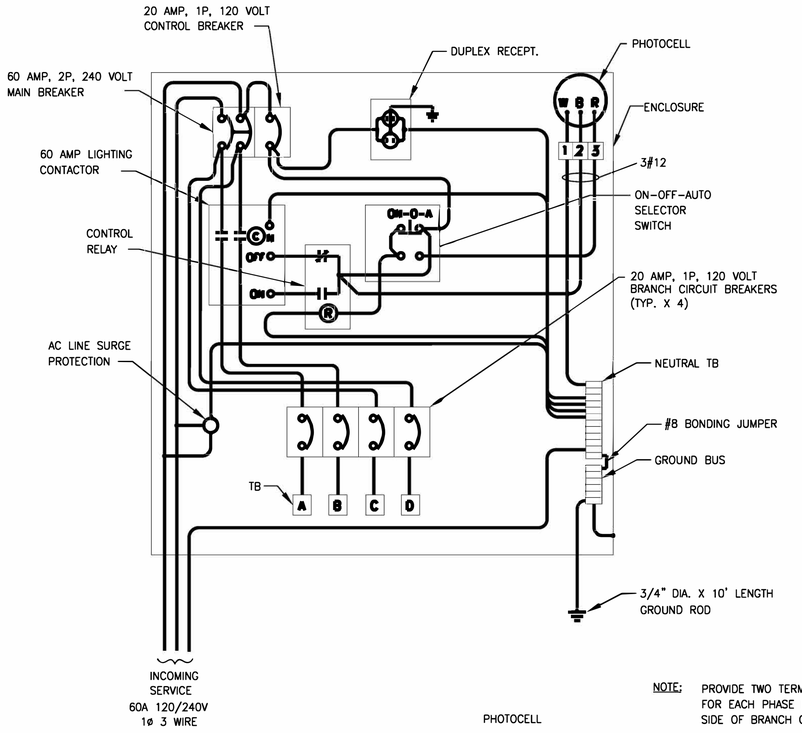
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	17
		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT 9WZI(183)		



FRONT SIDE



FOUNDATION PLAN



WIRING DIAGRAM

NO SCALE

NOTE: PROVIDE TWO TERMINAL LUGS FOR EACH PHASE LEG ON LOAD SIDE OF BRANCH CIRCUIT BREAKERS.

NOTES:

1. CABINET SHALL BE FABRICATED FROM 0.125-INCH SHEET ALUMINUM #3003H14, FORMED AND ARC WELDED ASSEMBLY WITH NEMA 3R RATING.
2. ALL SCREWS AND HARDWARE SHALL BE PLATED, GALVANIZED, OR MADE OF BRASS, ALUMINUM OR STAINLESS STEEL.
3. NAME PLATE SHALL HAVE ENGRAVED 0.75-INCH HIGH LETTERS FILLED IN BLACK: "VILLAGE OF NILES".
4. CONNECTION OF SURGE ARRESTOR TO LINE SIDE OF MAIN CIRCUIT SHALL NOT BE "DOUBLE LUGGED".
5. ELECTRIC UTILITY METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET.
6. THE COMPLETED CONTROLLER SHALL BE U.L. LISTED AS AN INDUSTRIAL CONTROL PANEL UNDER UL508, AND SHOULD BE SERVICE ENTRANCE RATED.
7. METAL MOUNTING PANEL SHALL BE #10 GAUGE GALVANIZED SHEET STEEL FLANGED BACK 0.75-INCHES I.D. ON 4 SIDES.
8. CIRCUIT BREAKERS AND CONTACTORS AND OTHER COMPONENTS SHALL BE MOUNTED ON 0.125-INCH THICK GLASTIC INSULATION BACK PANEL.
9. ALL DEVICES SHALL BE FRONT REMOVABLE.
10. BUS BAR SHALL HAVE 12 LUG TERMINALS SIZED TO ACCOMMODATE REQUIRED WIRE SIZES. NEUTRAL BUS SHALL BE PAINTED WHITE. GROUND BUS SHALL BE PAINTED GREEN.
11. ALL LUGS SHALL BE COPPER SCREWS AND CONNECTORS, SPRING HELD.
12. ALL WIRING TERMINATIONS SHALL BE RATED NOT LESS THAN 75 DEGREE CENTIGRADE.
13. ALL CONTROL WIRING SHALL BE 600V MACHINE TOOL WIRE TYPE MTW.
14. ALL POWER WIRING SHALL BE 600V TYPE RHH/RHW.
15. A LAMINATED COPY OF THE CIRCUIT SCHEMATIC DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE CONTROLLER.
16. ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12 AWG STRANDED UNLESS OTHERWISE INDICATED.
17. ALL WIRING SHALL BE IDENTIFIED BY MANUFACTURER COLOR CODED INSULATION, NEATLY DRESSED AND SUPPORTED.
18. INCLUDE SAFETY LABELS ON MAIN BREAKER, "WARNING-THIS DISCONNECT DOES NOT REMOVE ALL POWER FROM THIS PANEL".

LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 60AMP

NO SCALE

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STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers

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PLOT DATE = 3/19/2020	DATE - 2-28-2020	FILE - 170599_SHT-Elec-Irrgtn-Details.dgn	

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

ELECTRICAL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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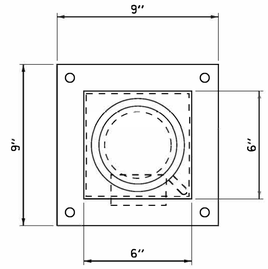
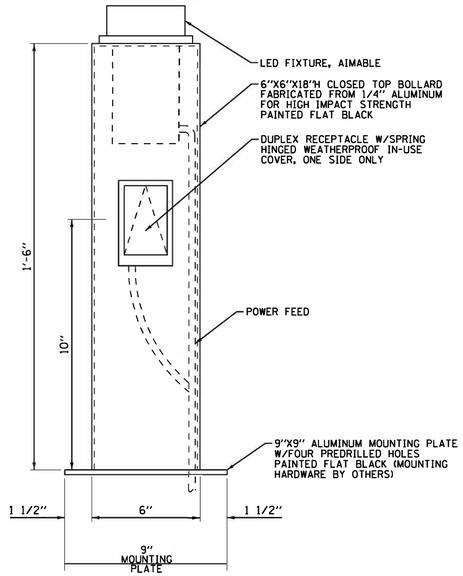
		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT 9WZI(183)		



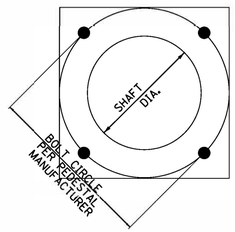


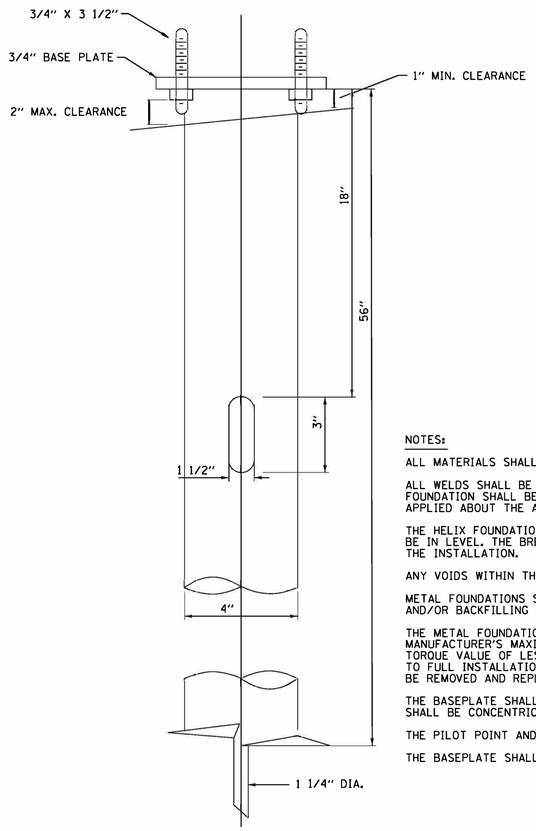
POWER PEDESTAL DETAIL

NO SCALE

NOTES:

1. ANCHOR PEDESTAL FOUNDATION.
2. STUB UP CONDUIT MINIMUM 6" INSIDE PEDESTAL.
3. PROVIDE BUSHING ON END OF CONDUIT.
4. GROUNDING LUG PROVIDED INSIDE PEDESTAL.





NOTES:

ALL MATERIALS SHALL BE GALVANIZED ACCORDING TO AASHTO M111.

ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1/4" FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.

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 INSTALLATION.

ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.

METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.

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/LBS. 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.

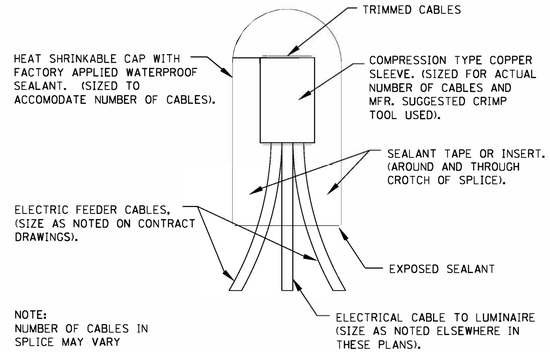
THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS (± 1° AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.

THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE (± 2°.

THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURER'S NAME AND DATE OF MANUFACTURE.

METAL HELIX FOUNDATION FOR POWER PEDESTAL

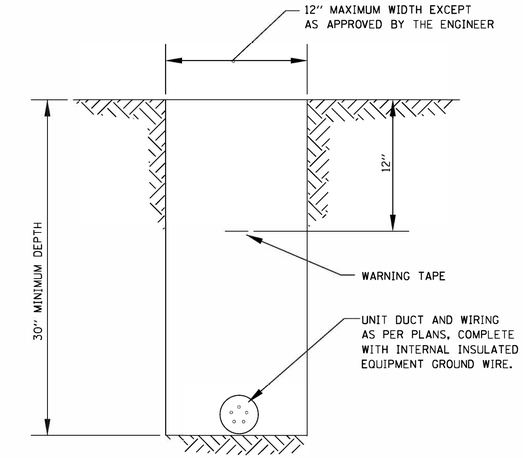
NO SCALE



NOTE:
NUMBER OF CABLES IN SPLICE MAY VARY

SPLICING ELECTRICAL CABLES BASIC MATERIALS AND METHODS

NO SCALE



TYPICAL WIRING IN TRENCH DETAIL

NO SCALE

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VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

ELECTRICAL DETAILS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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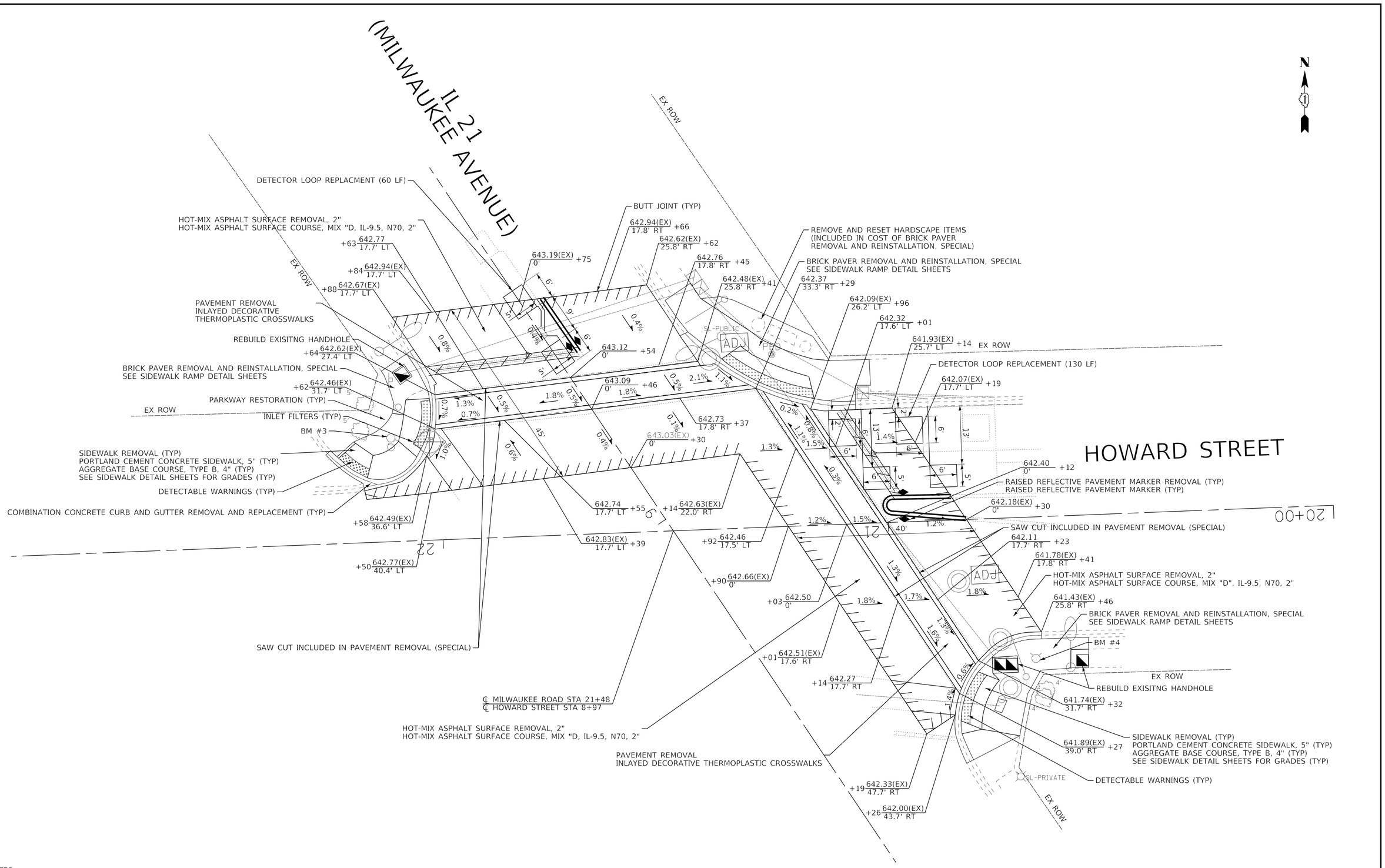
		CONTRACT NO. 61G15		
	ILLINOIS FED. AID PROJECT 9WZJ (183)			



NOTES:
CONTRACTOR SHALL COORDINATE WORK WITH ADJACENT CONTRACT 61G08

BAXTER & WOODMAN Consulting Engineers

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	DRAWN - KAR	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JCC	REVISED -
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VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

CROSSWALK PLAN
MILWAUKEE AVENUE & HOWARD STREET

SCALE: 1" = 10' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	20
		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT 9WZI(183)		

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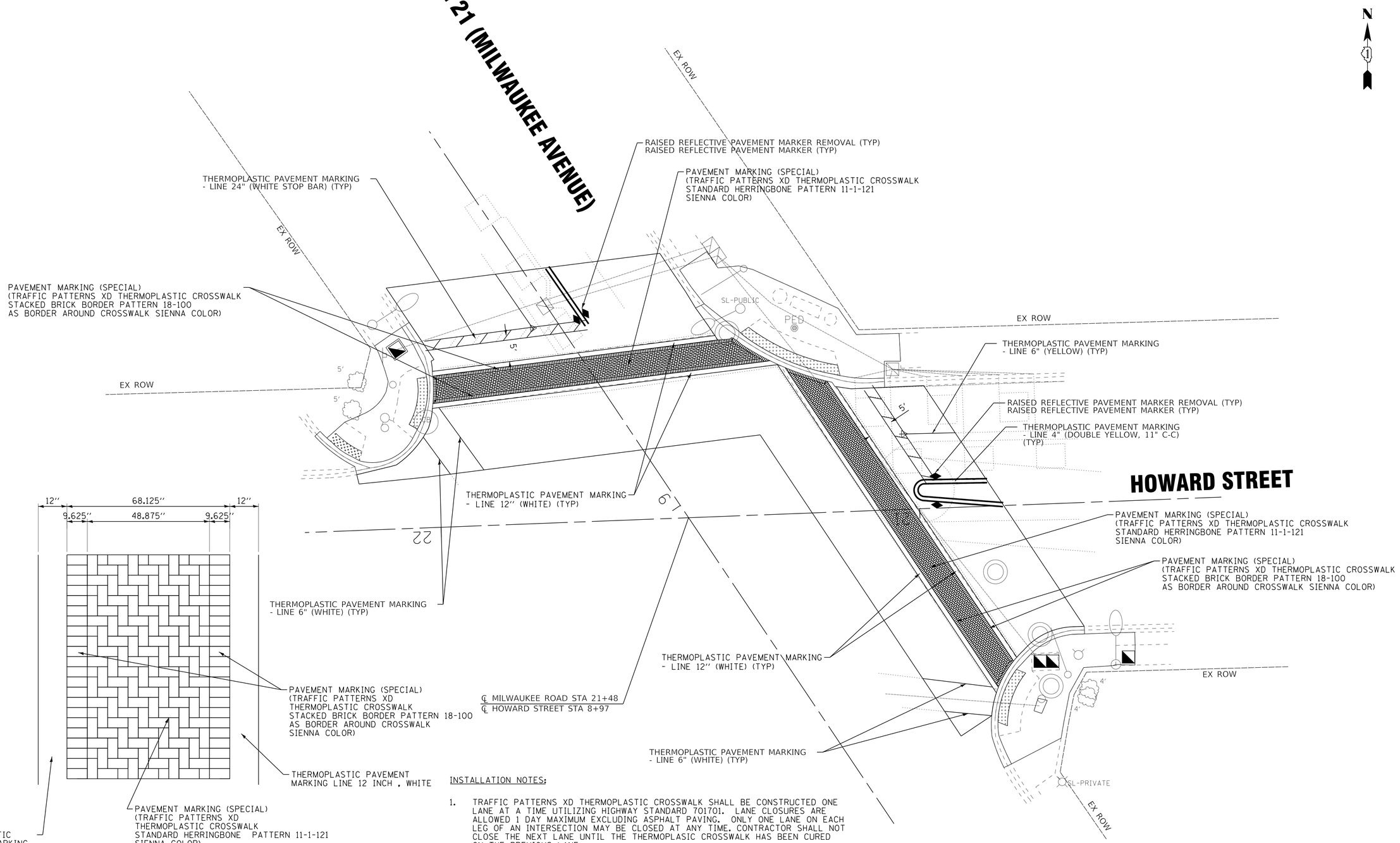

CROSSWALK PAVEMENT MARKING DETAIL

INSTALLATION NOTES:

1. TRAFFIC PATTERNS XD THERMOPLASTIC CROSSWALK SHALL BE CONSTRUCTED ONE LANE AT A TIME UTILIZING HIGHWAY STANDARD 701701. LANE CLOSURES ARE ALLOWED 1 DAY MAXIMUM EXCLUDING ASPHALT PAVING. ONLY ONE LANE ON EACH LEG OF AN INTERSECTION MAY BE CLOSED AT ANY TIME. CONTRACTOR SHALL NOT CLOSE THE NEXT LANE UNTIL THE THERMOPLASIC CROSSWALK HAS BEEN CURED ON THE PREVIOUS LANE.
2. FOLLOW MANUFACTURERS INSTRUCTION FOR TRAFFIC PATTERNS XD THERMOPLASTIC CROSSWALK INSTALLATION.
3. THERMOPLASTIC BRICK PAVER CROSSWALK SHALL BE SIENNA IN COLOR

BAXTER & WOODMAN Consulting Engineers

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	DRAWN - KAR	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - JCC	REVISED -	
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VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

CROSSWALK PAVEMENT MARKING PLAN

SCALE: 1" = 10' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	21
		CONTRACT NO. 61G15		
		ILLINOIS	FED. AID PROJECT 9WZI(183)	

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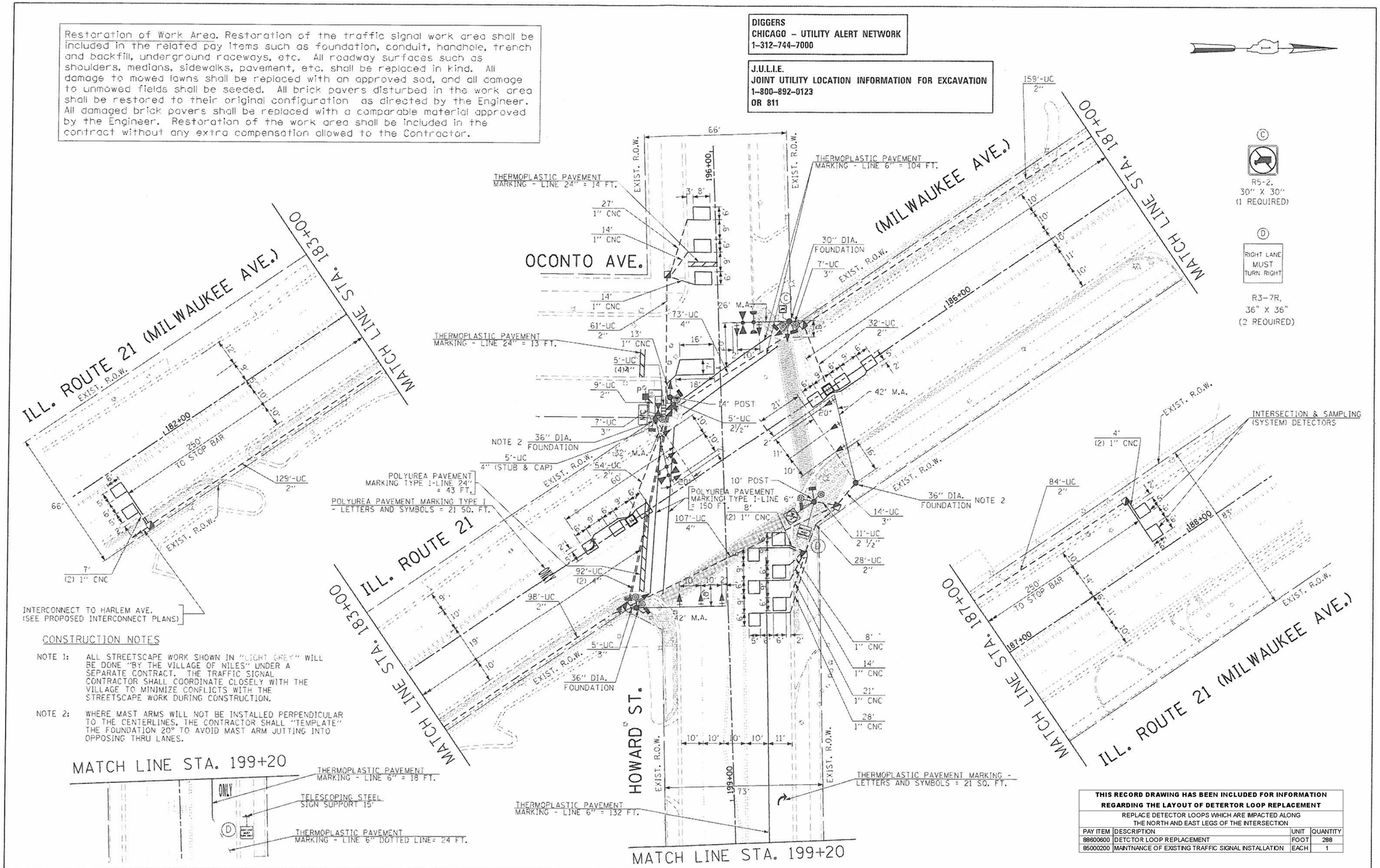
Restoration of Work Area. Restoration of the traffic signal work area shall be included in the related pay items such as foundation, conduit, handhole, trench and backfill, underground raceways, etc. All roadway surfaces such as shoulders, medians, sidewalks, pavement, etc. shall be replaced in kind. All damage to mowed lawns shall be replaced with an approved sod, and all damage to unmowed fields shall be seeded. All brick pavers disturbed in the work area shall be restored to their original configuration as directed by the Engineer. All damaged brick pavers shall be replaced with a comparable material approved by the Engineer. Restoration of the work area shall be included in the contract without any extra compensation allowed to the Contractor.

DIGGERS
CHICAGO – UTILITY ALERT NETWORK
1-312-744-7000

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



C
R5-2,
30" X 30"
(1 REQUIRED)

D
RIGHT LANE MUST TURN RIGHT
R3-7R,
36" X 36"
(2 REQUIRED)

CONSTRUCTION NOTES

NOTE 1: ALL STREETSCAPE WORK SHOWN IN "LIGHT GREY" WILL BE DONE "BY THE VILLAGE OF NILES" UNDER A SEPARATE CONTRACT. THE TRAFFIC SIGNAL CONTRACTOR SHALL COORDINATE CLOSELY WITH THE VILLAGE TO MINIMIZE CONFLICTS WITH THE STREETSCAPE WORK DURING CONSTRUCTION.

NOTE 2: WHERE MAST ARMS WILL NOT BE INSTALLED PERPENDICULAR TO THE CENTERLINES, THE CONTRACTOR SHALL "TEMPLATE" THE FOUNDATION 20° TO AVOID MAST ARM JUTTING INTO OPPOSING THRU LANES.

THIS RECORD DRAWING HAS BEEN INCLUDED FOR INFORMATION REGARDING THE LAYOUT OF DETERTOR LOOP REPLACEMENT

REPLACE DETECTOR LOOPS WHICH ARE IMPACTED ALONG THE NORTH AND EAST LEGS OF THE INTERSECTION

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
88600600	DETCTOR LOOP REPLACEMENT	FOOT	288
85000200	MAINTNANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1

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		DRAWN - EA. SM. MG	REVISED -
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	PLOT DATE = 3/21/2012	DATE - 03/21/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN
ILL. RTE. 21 (MILWAUKEE AVE.) AT HOWARD ST.

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3513	2011-210-TS	COOK	089	022
	FINAL	CONTRACT NO. 60R44		
FED. ROAD DIST. NO. .	ILLINOIS	FED. AID PROJECT		

BY BAXTER & WOODMAN, INC.
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN Consulting Engineers

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	DRAWN - KAR	REVISED -	
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PLOT DATE = 3/19/2020	DATE - 2-28-2020	FILE - 170599_SHT-Ex-Signal-Cable.dgn	

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

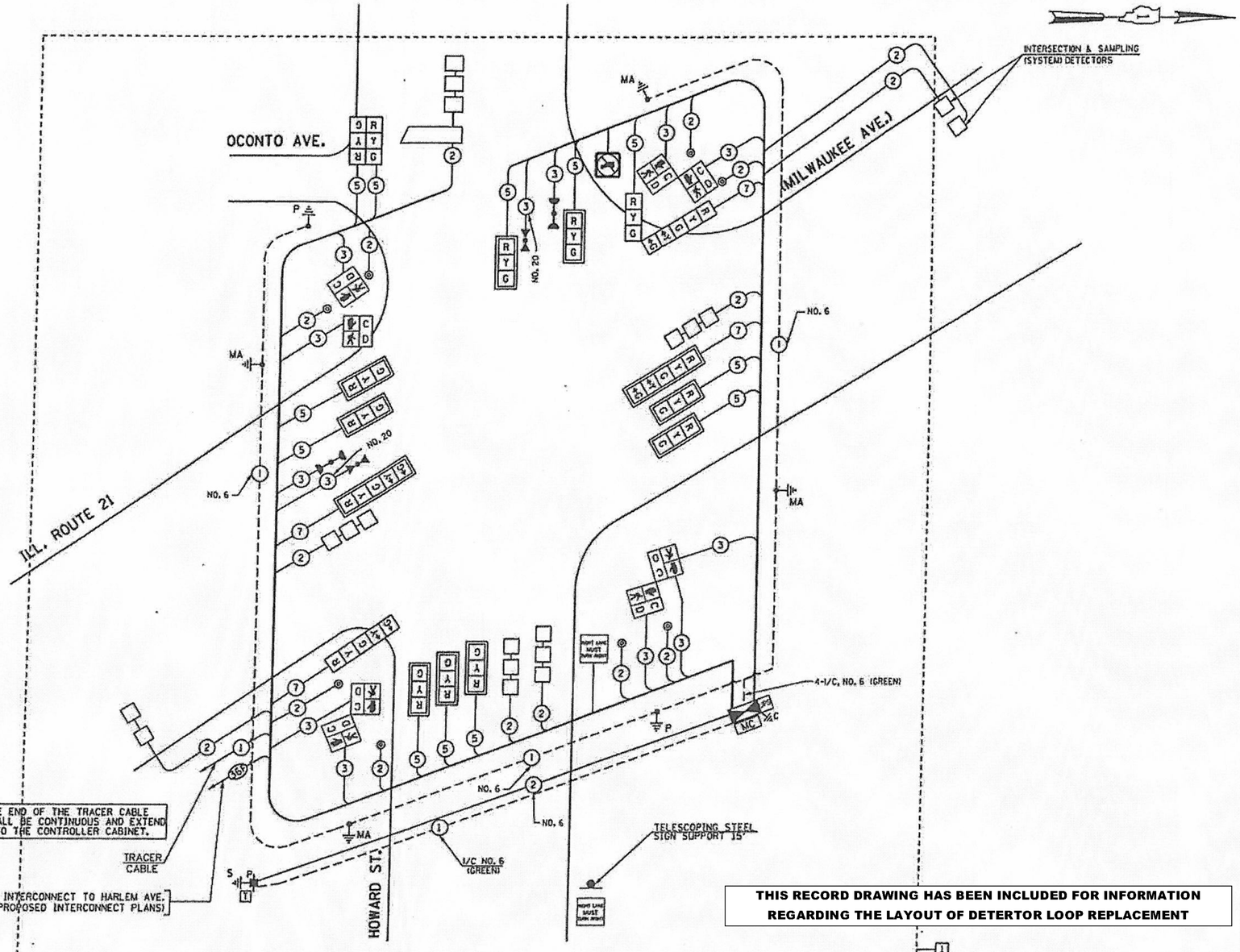
EXISTING TRAFFIC SIGNAL REFERENCE PLAN

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	22
		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT 9WZI(183)		

RECORD DRAWING
Meade, Inc.

By ALS Date 10/18/13



THIS RECORD DRAWING HAS BEEN INCLUDED FOR INFORMATION REGARDING THE LAYOUT OF DETERTOR LOOP REPLACEMENT

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	135	17	0.50	136.0
(YELLOW)	16	135	25	0.25	100.0
(GREEN)	16	135	15	0.25	60.0
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	8	90	25	1.00	200.0
CONTROLLER	1	100	100	1.00	100.0
ILLUM. SIGN			25	0.05	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	605.6

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1056

ENERGY SUPPLY CONTACT: MAUREEN RAY
PHONE: (847) 816-5492
COMPANY: COMMONWEALTH EDISON

USER NAME = #USER#	DESIGNED - MA, PKG	REVISED - 1 5/17/2013	STATE OF ILLINOIS
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PLOT DATE = #DATE#	DATE - 03/21/2012	REVISED -	
FILE NAME =			

CABLE PLAN
ILL. ROUTE 21 (MILWAUKEE AVE.) AT HOWARD ST.
SCALE: NONE | SHEET NO. OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3513	2011-210-TS	COOK	089	023
	FINAL	CONTRACT NO. 60R44		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BAXTER & WOODMAN Consulting Engineers

USER NAME = 560KAR	DESIGNED - LJF	REVISED -	VILLAGE OF NILES, ILLINOIS
	DRAWN - KAR	REVISED -	MILWAUKEE AVENUE
PLOT SCALE = 20.0000 ' / in.	CHECKED - JCC	REVISED -	STREETSCAPE IMPROVEMENTS
PLOT DATE = 3/19/2020	DATE - 2-28-2020	FILE - 170599_SHT-Ex-Signal-Cable.dgn	

EXISTING CABLE DIAGRAM
REFERENCE PLAN
SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	23
		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT 9WZJ(183)		

BY BAXTER & WOODMAN, INC.
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2020
560KAR 3/19/2020 12:45:26 PM
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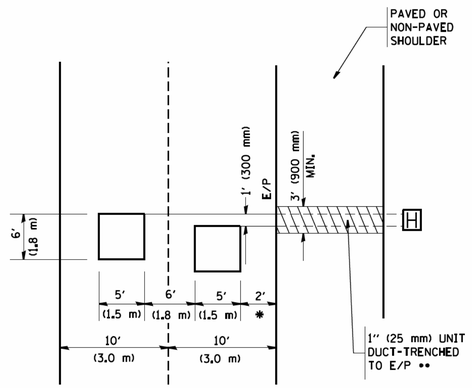
LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



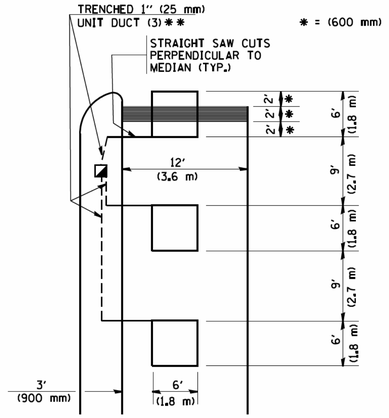
* = (600 mm)

** 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)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



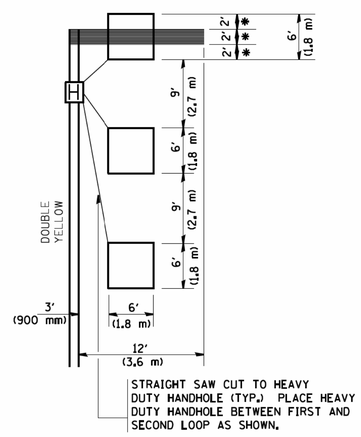
** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

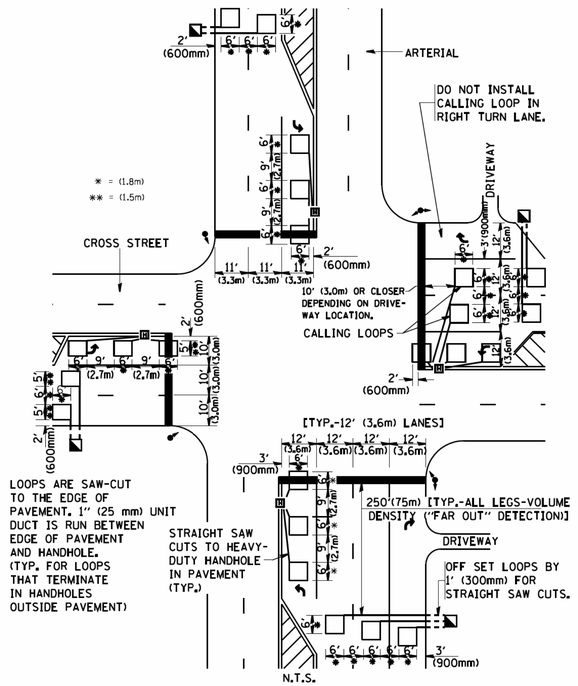
(PROTECTED / PERMITTED LEFT TURN PHASING)

* = (600 mm)



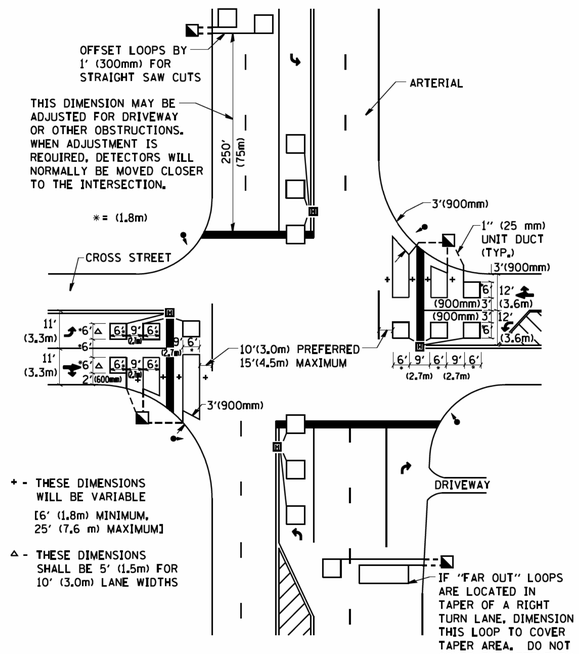
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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.

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		DRAWN -	REVISED -
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	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

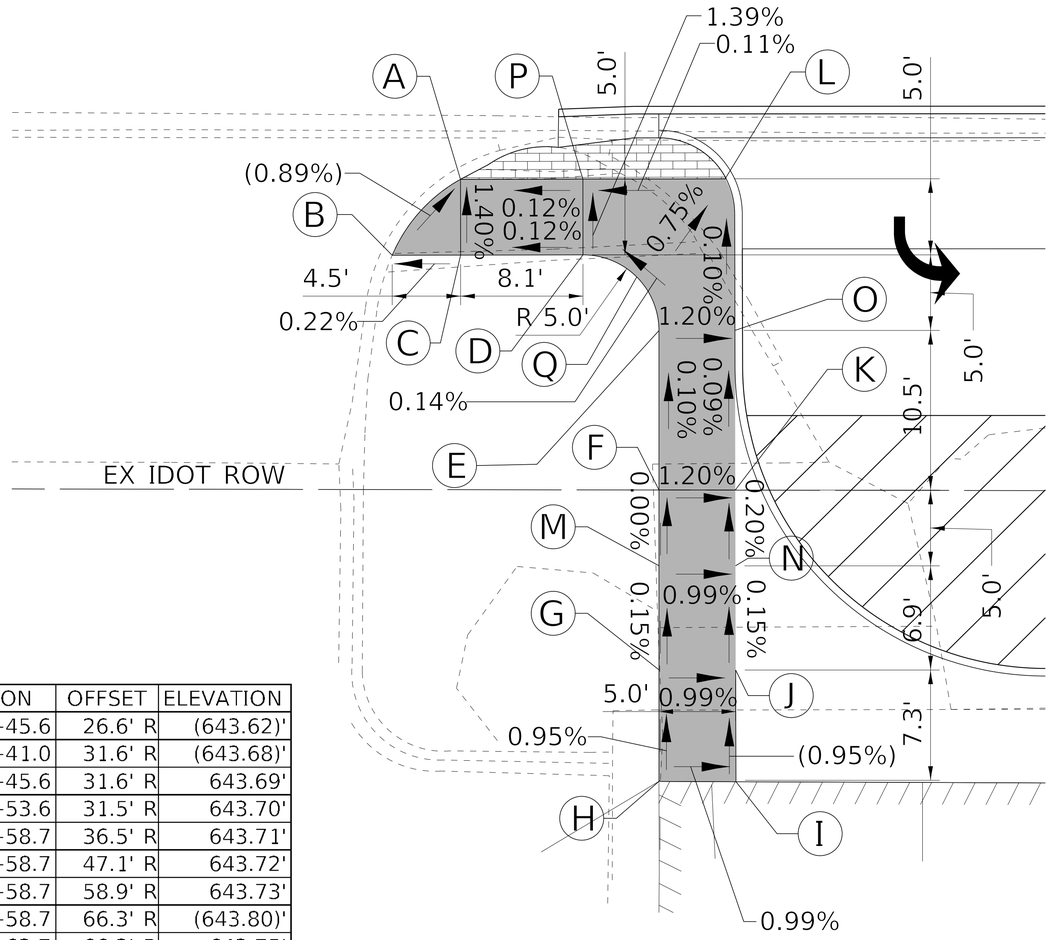
DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	24
	TS-07	CONTRACT NO. 61G15		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 9WZI(183)		

EX ℄ IL 21 (MILWAUKEE AVENUE)

SCALE: 1"=10'

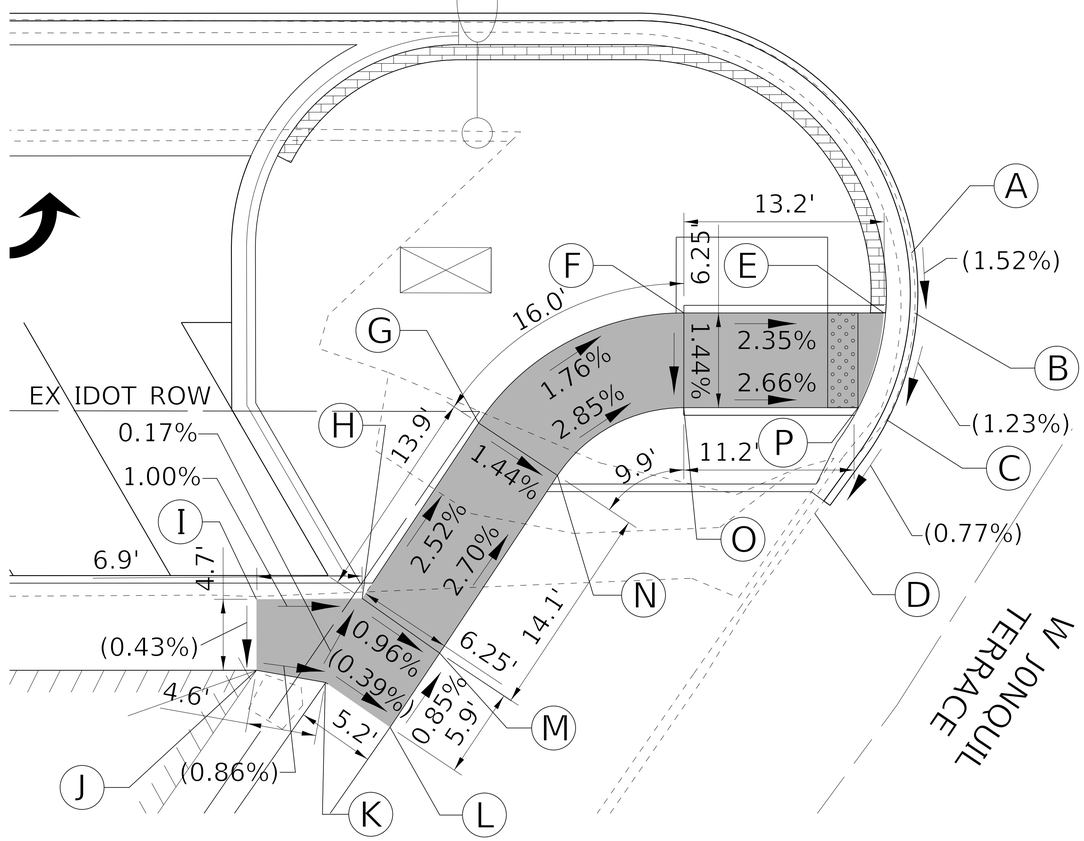


	STATION	OFFSET	ELEVATION
A	16+60.5	37.4' R	(643.02)'
B	16+60.7	41.3' R	642.96'
C	16+58.8	48.4' R	642.87'
D	16+54.1	54.5' R	(642.81)'
E	16+59.0	41.3' R	642.96'
F	16+45.4	41.3' R	643.28'
G	16+31.9	48.6' R	643.55'
H	16+24.2	60.2' R	643.90'

	STATION	OFFSET	ELEVATION
I	16+17.2	60.2' R	(643.97)'
J	16+17.2	64.9' R	(643.95)'
K	16+21.8	65.7' R	643.91'
L	16+26.0	68.7' R	643.89'
M	16+29.3	63.8' R	643.84'
N	16+37.1	52.0' R	643.46'
O	16+45.4	47.6' R	643.19'
P	16+57.5	47.6' R	642.87'

EX ℄ IL 21 (MILWAUKEE AVENUE)

SCALE: 1"=10'



	STATION	OFFSET	ELEVATION
A	11+45.6	26.6' R	(643.62)'
B	11+41.0	31.6' R	(643.68)'
C	11+45.6	31.6' R	643.69'
D	11+53.6	31.5' R	643.70'
E	11+58.7	36.5' R	643.71'
F	11+58.7	47.1' R	643.72'
G	11+58.7	58.9' R	643.73'
H	11+58.7	66.3' R	(643.80)'
I	11+63.7	66.3' R	643.75'
J	11+63.7	58.9' R	643.68'
K	11+63.7	47.1' R	643.66'
L	11+63.0	26.5' R	643.64'
M	11+58.7	52.1' R	643.72'
N	11+63.7	52.1' R	643.67'
O	11+63.7	36.5' R	643.65'
P	11+53.6	26.5' R	643.63'
Q	11+57.2	33.0' R	643.705'

LEGEND

- PROPOSED SIDEWALK
- DETECTABLE WARNINGS
- 0.19% PROPOSED SLOPE
- (0.19%) EXISTING SLOPE

BAXTER & WOODMAN Consulting Engineers

USER NAME = 560KAR	DESIGNED - LJF	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 5.0000 ' / in.	CHECKED - JCC	REVISED -
PLOT DATE = 3/19/2020	DATE - 2-28-2020	FILE - 170599_SHT-RampDetails_Jonquil.dgn

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

SIDEWALK RAMP DETAILS

SCALE: 1" = 5' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	25
		CONTRACT NO. 61G15		
		ILLINOIS	FED. AID PROJECT 9WZJ(183)	

BY BAXTER & WOODMAN, INC.
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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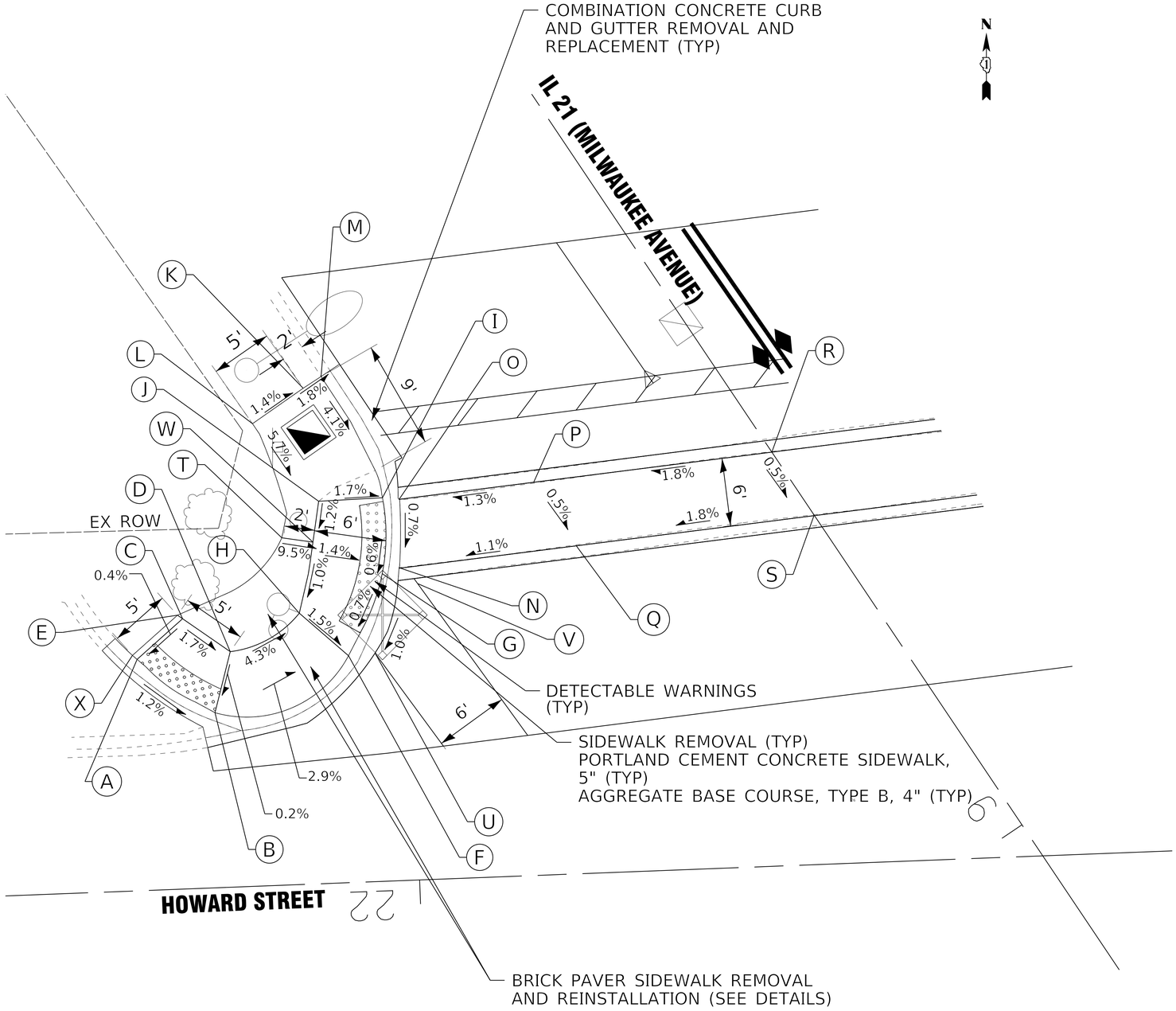


	STATION	OFFSET	ELEVATION
A	21+68.3	53.3' L	643.00'
B	21+61.0	50.4' L	642.91'
C	21+69.0	48.3' L	642.98'
D	21+64.5	46.5' L	642.92'
E	21+69.5	48.5' L	643.01'
F	21+58.8	38.6' L	642.56'
G	21+62.5	32.9' L	642.61'
H	21+64.0	40.0' L	642.64'
I	21+67.8	29.1' L	642.65'
J	21+70.8	33.5' L	642.74'
K	21+79.3	29.3' L	(643.15)'
L	21+79.2	36.5' L	(643.25)'

	STATION	OFFSET	ELEVATION
M	21+79.3	27.6' L	(643.12)'
N	21+62.5	31.0' L	642.58'
O	21+67.2	27.9' L	642.62'
P	21+62.2	17.8' L	642.77'
Q	21+55.8	17.7' L	642.74'
R	21+53.2	0.0' L	643.12'
S	21+46.9	0.0' L	643.09'
T	21+70.0	37.7' L	642.95'
U	21+57.7	36.6' L	642.56'
V	21+60.6	30.5' L	642.49'
W	21+68.2	35.8' L	642.70'
X	21+68.8	53.4' L	643.32'

BAXTER & WOODMAN Consulting Engineers

USER NAME = 560KAR	DESIGNED - LJF	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 5.0000 ' / in.	CHECKED - JCC	REVISED -
PLOT DATE = 3/19/2020	DATE - 2-28-2020	FILE - 170599_SHT-RampDetails_Howard.dgn

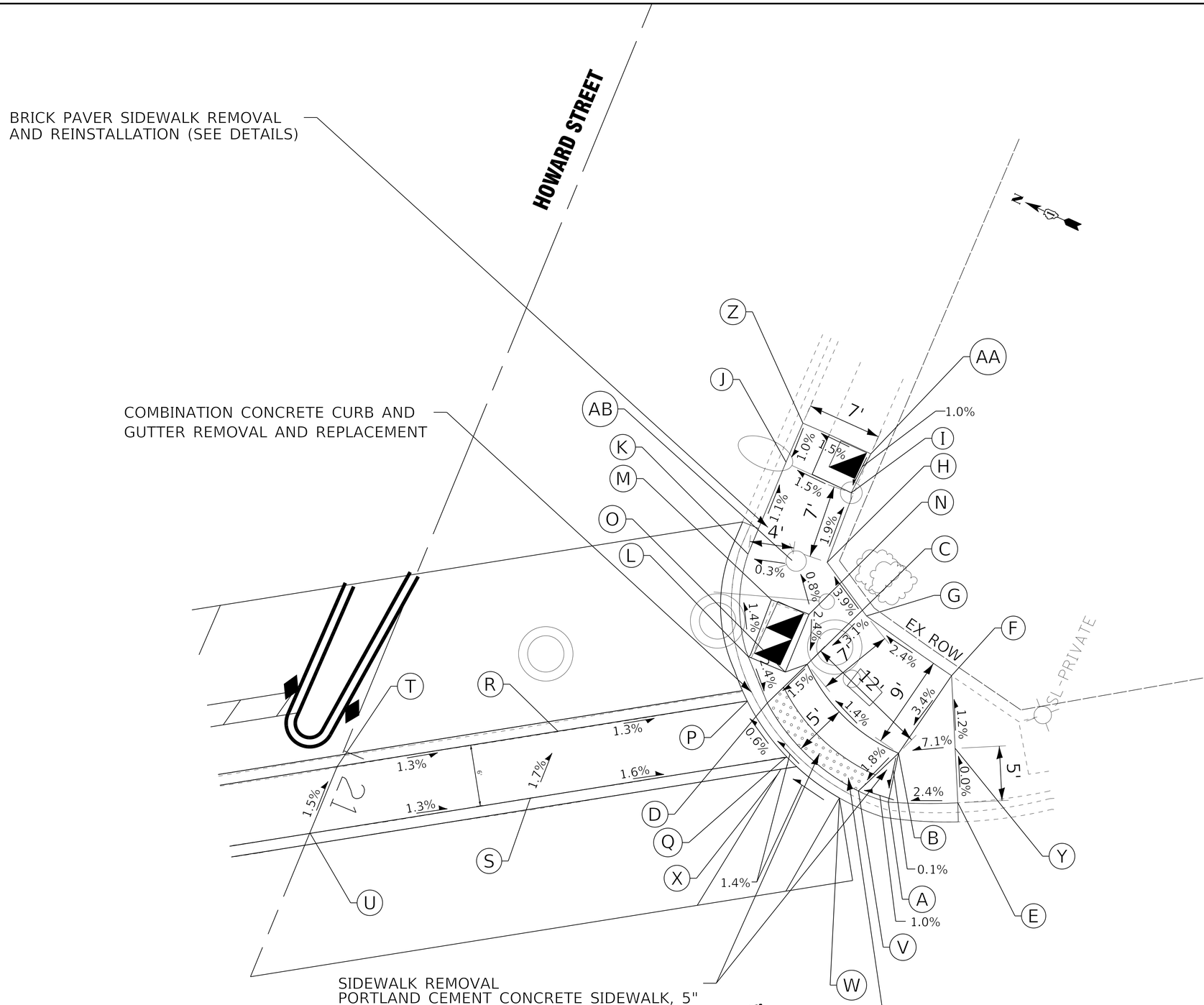
VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

SIDEWALK RAMP DETAILS
MILWAUKEE AVENUE AND HOWARD STREET

SCALE: 1" = 5' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	26
		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT 9WZI(183)		

	STATION	OFFSET	ELEVATION
A	12+27.2	39.0' R	642.17'
B	12+31.7	47.2' R	642.17'
C	12+36.0	36.3' R	642.01'
D	12+31.3	31.7' R	641.91'
E	12+29.5	54.0' R	(642.54)'
F	12+40.1	49.0' R	(642.46)'
G	12+42.2	39.7' R	(642.23)'
H	12+45.4	34.4' R	641.99'
I	12+52.1	34.0' R	641.86'
J	12+52.4	27.4' R	641.76'
K	12+43.3	27.5' R	641.86'
L	12+34.6	31.1' R	641.99'
M	12+40.2	31.0' R	641.97'
N	12+40.3	34.7' R	642.03'
O	12+34.6	34.7' R	641.99'
P	12+30.8	32.5' R	641.91'
Q	12+27.5	37.8' R	641.95'
R	12+21.9	17.7' R	642.13'
S	12+15.3	17.7' R	642.24'
T	12+10.9	0.0' R	642.40'
U	12+04.3	0.0' R	642.50'
V	12+27.1	45.1' R	642.08'
W	12+25.8	43.7' R	(642.05)'
X	12+25.6	37.7' R	641.97'
Y	12+34.1	51.8' R	(642.54)'
Z	12+56.3	27.5' R	(641.80)'
AA	12+56.1	34.3' R	(641.90)'
AB	12+56.1	34.3' R	641.90'



NOTE:
HOWARD AVENUE USED AS REFERENCE FOR ALL STATIONS AND OFFSETS.

BAXTER & WOODMAN Consulting Engineers

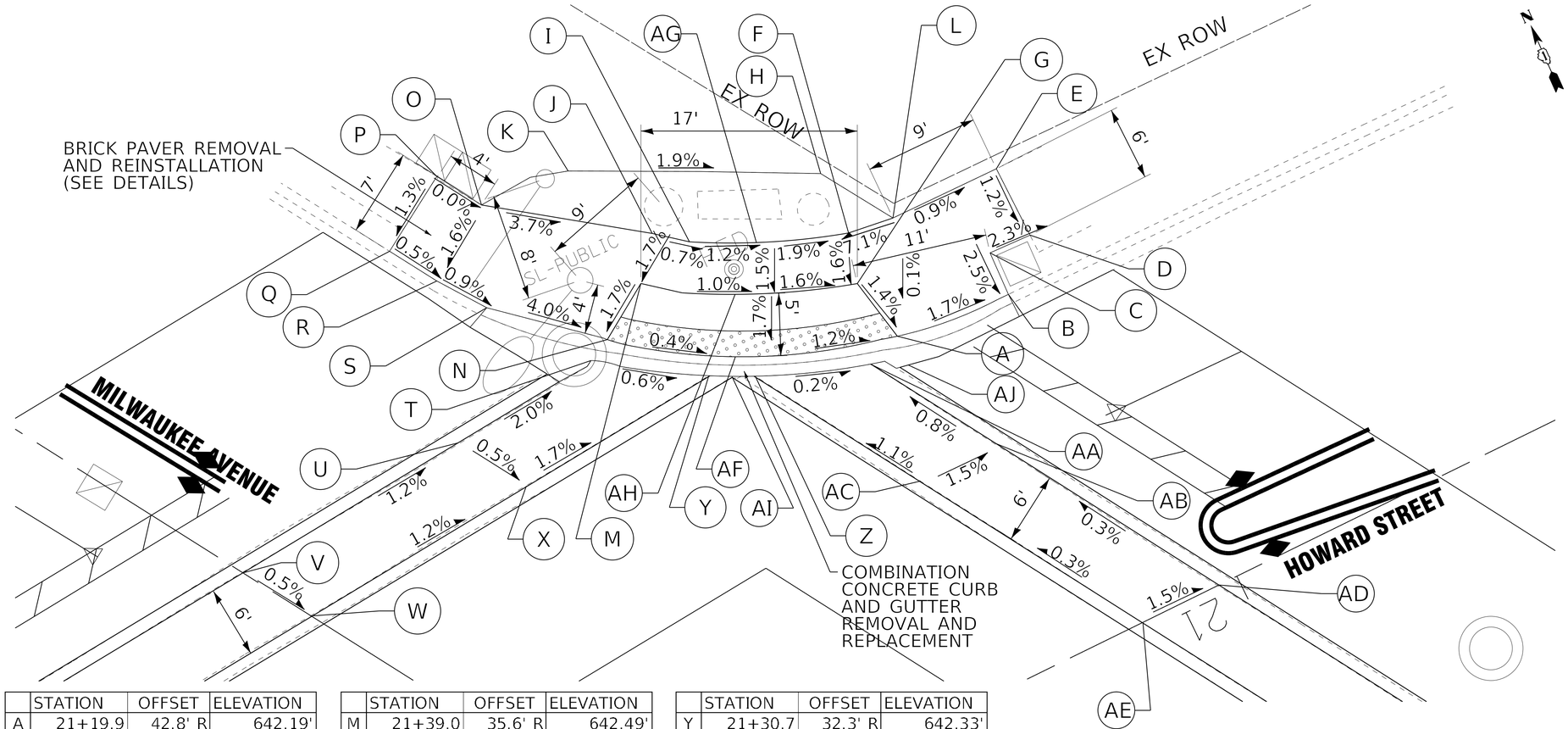
USER NAME = 560KAR	DESIGNED - LJF	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 5.0000 ' / in.	CHECKED - JCC	REVISED -
PLOT DATE = 3/19/2020	DATE - 2-28-2020	FILE - 170599_SHT-RampDetails_Howard.dgn

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

SIDEWALK RAMP DETAILS
MILWAUKEE AVENUE AND HOWARD STREET

SCALE: 1" = 2' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	27
		CONTRACT NO. 61G15		
		ILLINOIS	FED. AID PROJECT 9WZI(183)	



	STATION	OFFSET	ELEVATION
A	21+19.9	42.8' R	642.19'
B	21+14.3	50.2' R	(642.35)'
C	21+17.3	52.1' R	(642.44)'
D	21+15.4	55.0' R	(642.36)'
E	21+20.3	57.9' R	(642.43)'
F	21+25.1	47.6' R	642.31'
G	21+24.7	44.6' R	642.26'
H	21+31.7	50.3' R	(642.64)'
I	21+37.5	40.4' R	642.54'
J	21+40.3	39.4' R	642.56'
K	21+48.5	40.0' R	(643.01)'
L	21+25.1	50.4' R	(642.51)'

	STATION	OFFSET	ELEVATION
M	21+39.0	35.6' R	642.49'
N	21+40.3	39.4' R	642.42'
O	21+52.8	34.2' R	(643.06)'
P	21+56.8	34.2' R	(643.06)'
Q	21+56.9	27.3' R	(642.97)'
R	21+52.6	27.3' R	(642.95)'
S	21+48.2	27.6' R	(642.99)'
T	21+39.0	28.5' R	642.39'
U	21+44.4	17.6' R	642.63'
V	21+53.2	0.0' R	642.87'
W	21+46.9	0.0' R	642.84'
X	21+37.9	17.9' R	642.60'

	STATION	OFFSET	ELEVATION
Y	21+30.7	32.3' R	642.33'
Z	21+27.6	34.2' R	642.27'
AA	21+20.5	39.8' R	642.25'
AB	21+09.0	39.8' R	642.34'
AC	21+12.3	34.2' R	642.44'
AD	20+88.4	39.8' R	642.40'
AE	20+91.9	34.2' R	642.50'
AF	21+30.0	34.6' R	642.34'
AG	21+32.7	42.6' R	642.48'
AH	21+32.5	38.7' R	642.42'
AI	21+29.1	33.3' R	642.31'
AJ	21+18.0	41.3' R	642.16'

NOTE:
MILWAUKEE AVENUE USED
AS REFERENCE FOR ALL
STATIONS AND OFFSETS.

BAXTER & WOODMAN Consulting Engineers

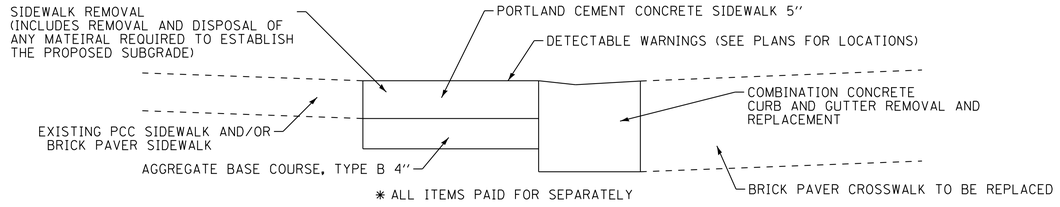
USER NAME = 560KAR	DESIGNED - LJF	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 5.0000 ' / in.	CHECKED - JCC	REVISED -
PLOT DATE = 3/19/2020	DATE - 2-28-2020	FILE - 170599_SHT-RampDetails_Howard.dgn

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

SIDEWALK RAMP DETAILS
MILWAUKEE AVENUE AND HOWARD STREET

SCALE: 1" = 5' | SHEET 1 OF 1 SHEETS | STA. | TO STA.

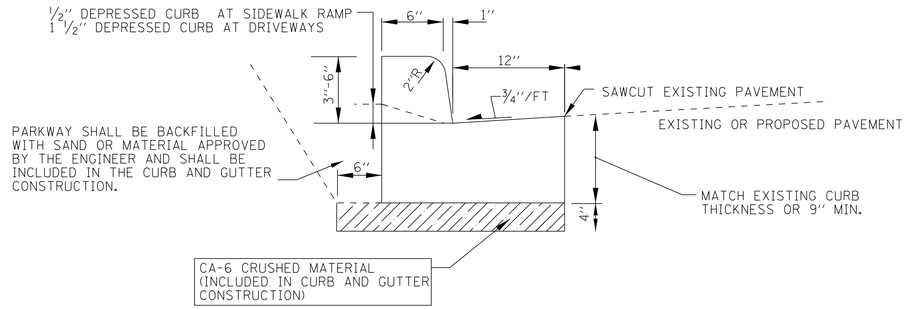
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	28
		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT 9WZI(183)		



✱ ALL ITEMS PAID FOR SEPARATELY

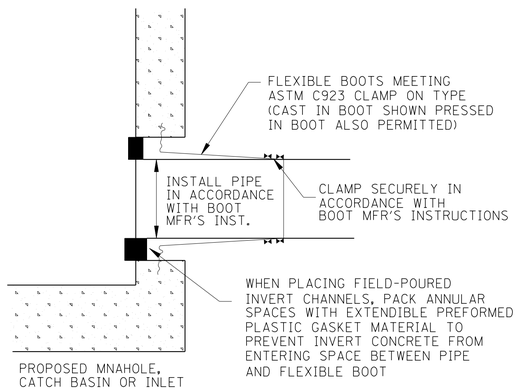
SIDEWALK REMOVAL AND REPLACEMENT

NOT TO SCALE



COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT

(NOT TO SCALE)



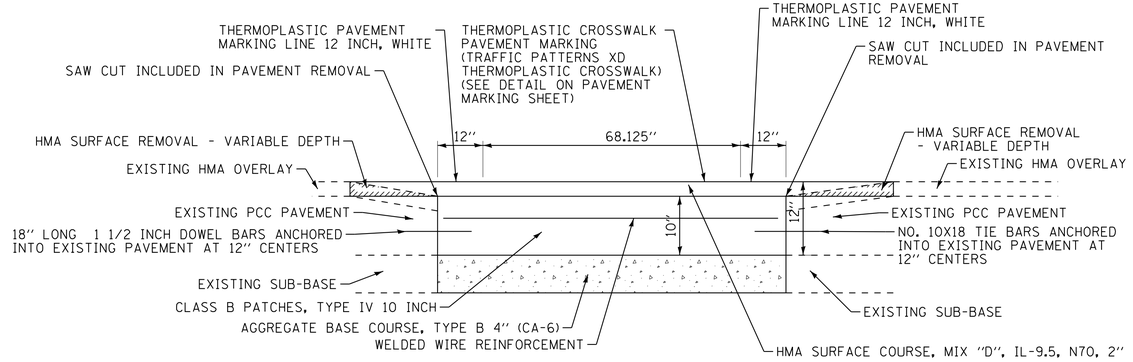
WATERTIGHT RUBBER BOOT CONNECTION REQUIRED FOR CONNECTION BETWEEN STRUCTURES AND SEWERS

MANHOLE PIPE CONNECTION DETAIL

NOT TO SCALE

INSTALLATION NOTES:

1. EXISTING CROSSWALK BRICK PAVERS TO BE SALVAGED AND NEATLY STACKED ON PALLETS AND DELIVERED TO PUBLIC WORKS. (INCLUDED IN THE COST OF PAVEMENT REMOVAL PAY ITEM)
2. TRAFFIC PATTERNS XD THERMOPLASTIC CROSSWALK SHALL BE CONSTRUCTED ONE LANE AT A TIME UTILIZING HIGHWAY STANDARD 701701. LANE CLOSURES ARE ALLOWED 1 DAY MAXIMUM EXCLUDING ASPHALT PAVING. ONLY ONE LANE ON EACH LEG OF AN INTERSECTION MAY BE CLOSED AT ANY TIME. CONTRACTOR SHALL NOT CLOSE THE NEXT LANE UNTIL THE THERMOPLASIC CROSSWALK HAS BEEN CURED ON THE PREVIOUS LANE.
3. FOLLOW MANUFACTURERS INSTRUCTION FOR TRAFFIC PATTERNS XD THERMOPLASTIC CROSSWALK INSTALLATION.
4. CLASS B PATCHING SHALL BE CONSTRUCTED ONE LANE AT A TIME UTILIZING HIGHWAY STANDARD 701701. ONLY ONE LANE ON EACH LEG OF AN INTERSECTION MAY BE CLOSED AT ANY TIME. THE CONTRACTOR SHALL NOT CLOSE THE NEXT LANE UNTIL THE CLASS B PATCH IS CURED OR STEEL PLATED ON THE PREVIOUS LANE.
5. THE CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE DETECTOR LOOP LAYOUT AND INSTALLATION AT CROSSWALK LOCATIONS. THE DETECTOR LOOPS WILL BE INSTALLED BEFORE CROSSWALK INSTALLATION AND IN ACCORDANCE WITH IDOT DISTRICT ONE STANDARDS AND SPECIFICATIONS.



CROSSWALK DETAIL

(ALL PAID FOR SEPARATELY)
NOT TO SCALE

BAXTER & WOODMAN Consulting Engineers

USER NAME = 560KAR	DESIGNED - LJF	REVISED -
	DRAWN - KAR	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JCC	REVISED -
PLOT DATE = 3/19/2020	DATE - 2-28-2020	FILE - 170599_SHT-MiscDetails.dgn

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

MISCELLANEOUS DETAILS

SCALE: NONE | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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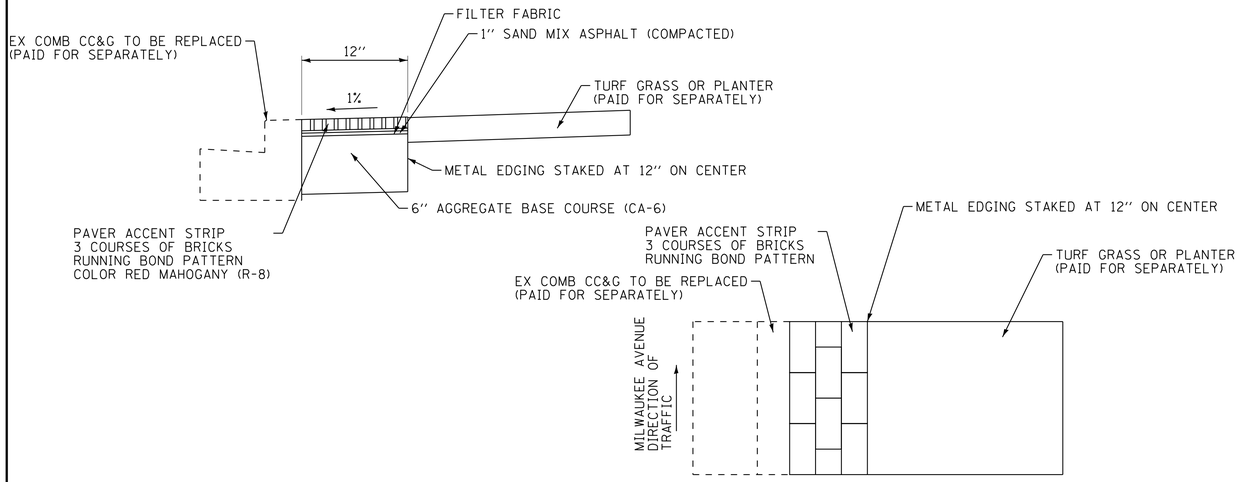
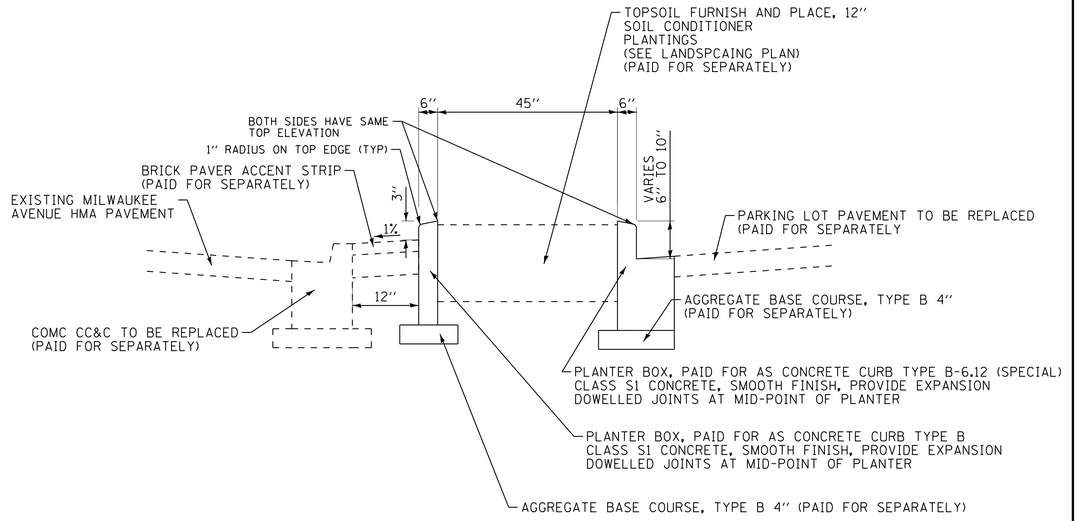
		CONTRACT NO. 61G15		
		ILLINOIS	FED. AID PROJECT 9WZI(183)	



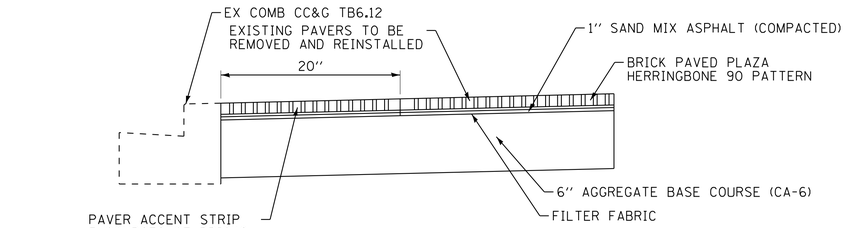
BRICK PAVER ACCENT STRIP

NOT TO SCALE

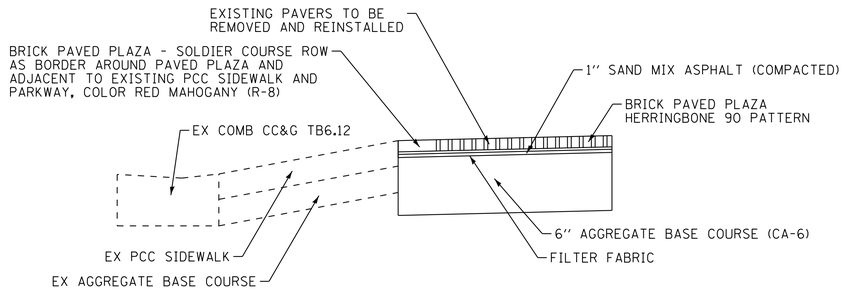


PLANTER BOX

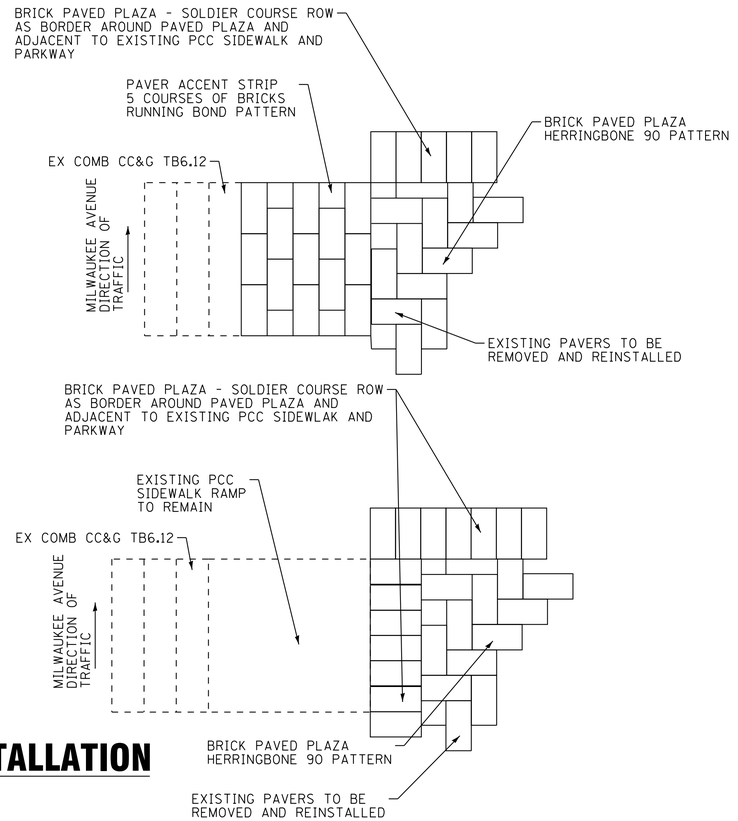
NOT TO SCALE



ADJACENT TO CURB AND GUTTER



ADJACENT TO SIDEWALK



BRICK PAVER REMOVAL AND REINSTALLATION

NOT TO SCALE

BRICK INSTALLATION INSTRUCITONS:

1. BRICK DIMENSIONS 8.40'' X 4.19'' X 2.38''
2. PAVERS SHALL BE INSTALLED ON TOP OF THE SAND MIX INSTALLING ALL FULL STONES POSSIBLE FIRST. SMALL PIECES WILL THEN BE INSTALLED.
3. CONTRACTOR SHALL COMPACT PAVING STONES INTO THE SAND MIX COURSE WITH A MECHINAICAL PLATE COMPACTOR WITH A FORCE OF 2500-3500 LBS.
4. POLYMERIC SAND IS THEN SWEPT INTO THE JOINTS AND VIBRATED UNTIL THE JOINTS ARE FULL.
5. THE PAVERS SHALL BE PLACED ACCORDING TO MANUFACTURER SPECIFICATIONS AND INTERLOCKING CONCRETE PAVEMENT INSTITUTE SPECIFICATIONS.

BAXTER & WOODMAN Consulting Engineers

USER NAME = 560KAR	DESIGNED - LJF	REVISED -	
	DRAWN - KAR	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED - JCC	REVISED -	
PLOT DATE = 3/19/2020	DATE - 2-28-2020	FILE - 170599_SHT-MiscDetails.dgn	

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

MISCELLANEOUS DETAILS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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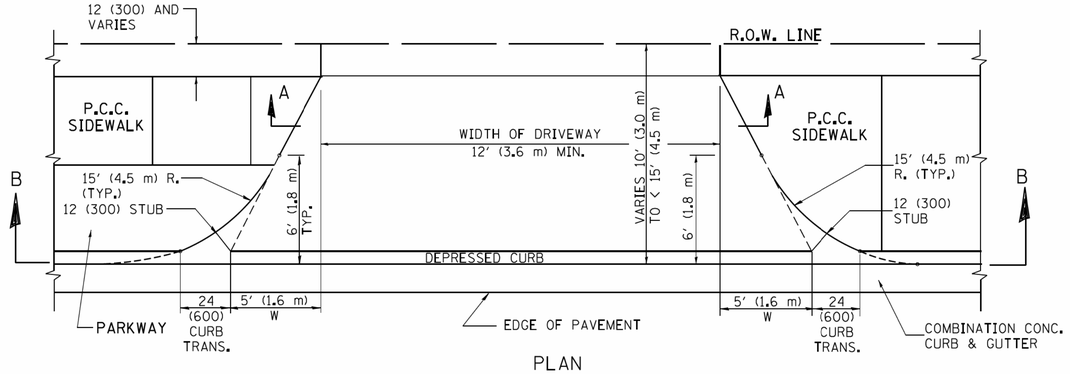
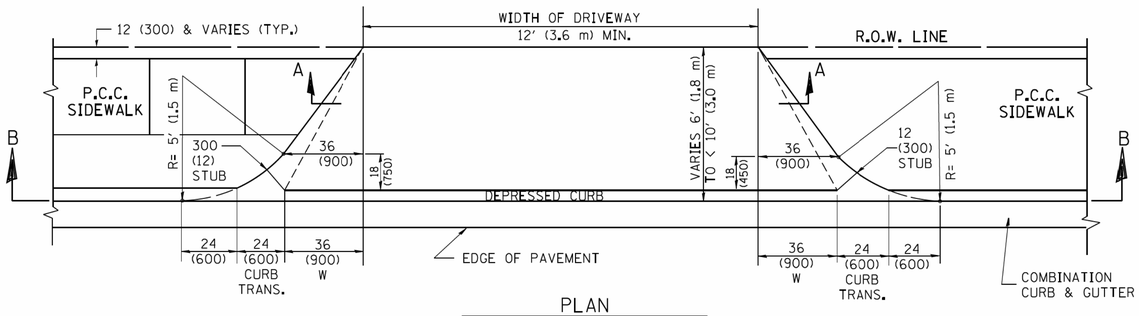
		CONTRACT NO. 61G15		
	ILLINOIS	FED. AID PROJECT 9WZI(183)		



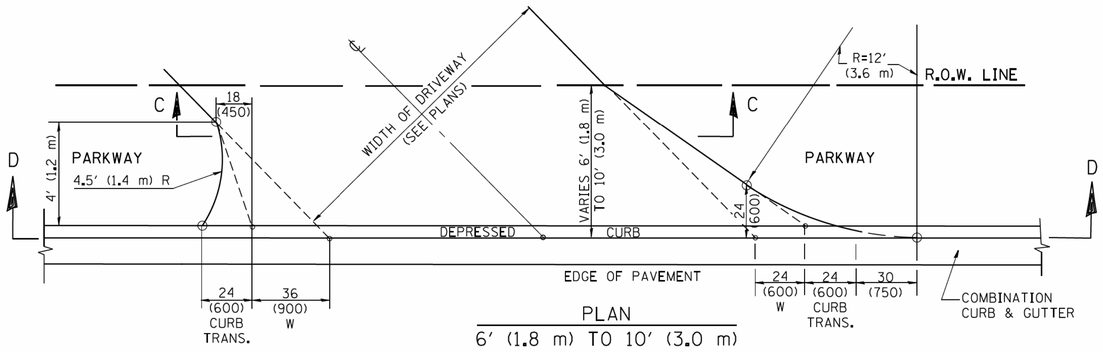
PLAN

10' (3.0 m) TO < 15' (4.5 m)



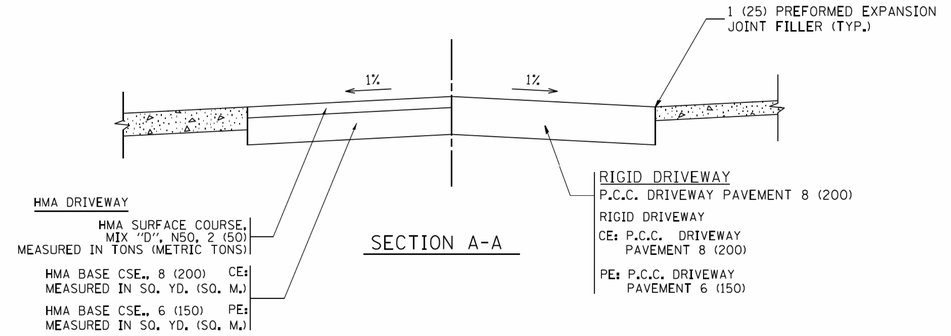
PLAN

6' (1.8 m) TO < 10' (3.0 m)

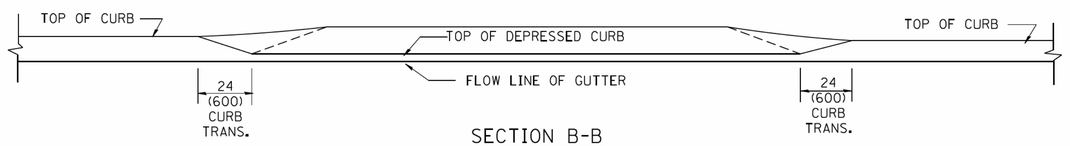


PLAN

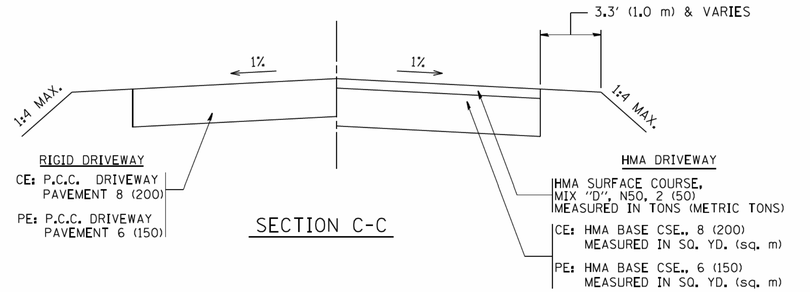
6' (1.8 m) TO 10' (3.0 m)



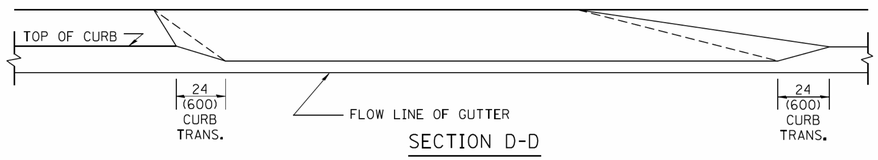
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

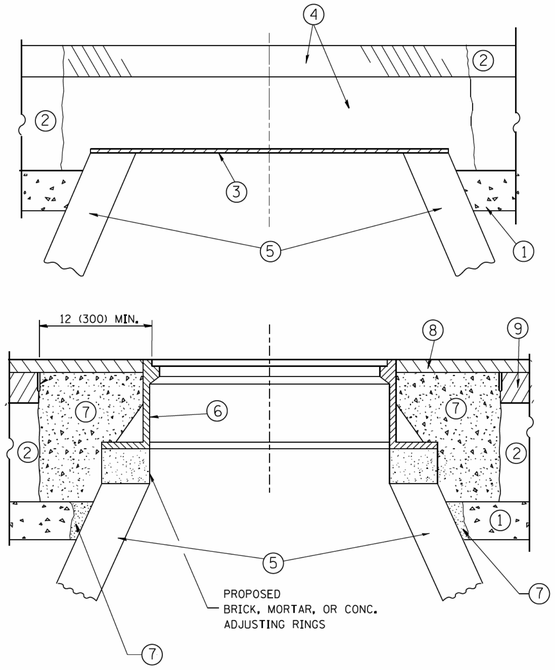
FILE NAME = c:\pw_work\pwidot\leysa\d0108315\bd02.dgn	USER NAME = leysa	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
		DRAWN -	REVISED - P. LaFLEUR 04-15-03
	PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	31
	BD400-02 (BD-02)	CONTRACT NO. 61G15		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	9WZJ(183)	



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

1. SUB-BASE GRANULAR MATERIAL
2. EXISTING PAVEMENT
3. 36 (900) DIAMETER METAL PLATE
4. PROPOSED CRUSHED STONE AND HMA SURFACE MIX
5. EXISTING STRUCTURE
6. FRAME AND LID (SEE NOTES)
7. CLASS PP-1* CONCRETE
8. PROPOSED HMA SURFACE COURSE
9. PROPOSED HMA BINDER COURSE

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME = c:\pw_work\pwidot\bauerdl\d0108315\bd08.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 1968.5000 ' / m	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	32
	BD600-03 (BD-8)	CONTRACT NO. 61G15		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	9WZJ(183)	

BY: BAXTER & WOODMAN INC.
STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM
LICENSE NO.- 184-001121 - EXPIRES 4/30/2019
SEAL AR 3/9/2020 12:47:00 PM

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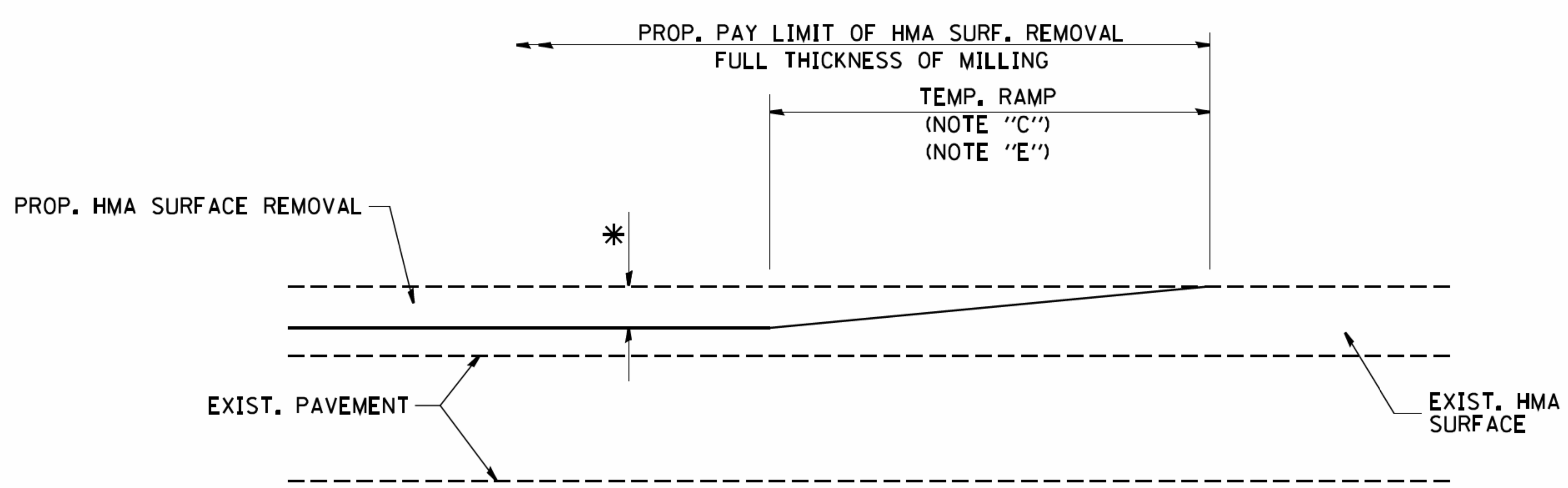
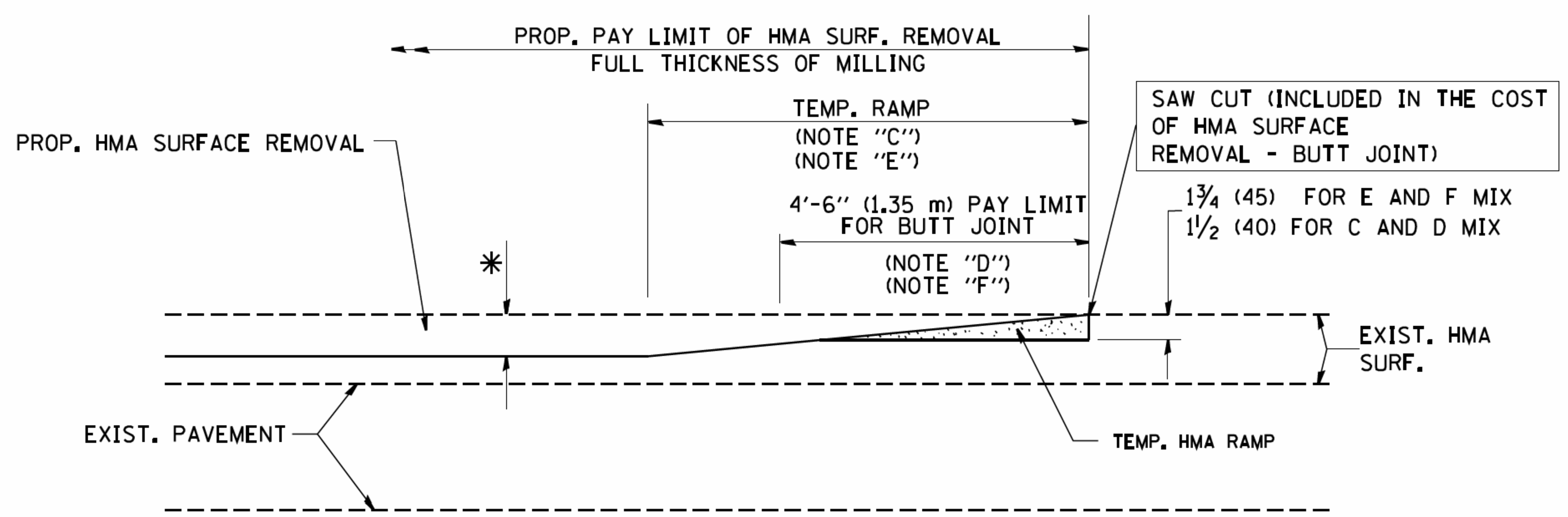


MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

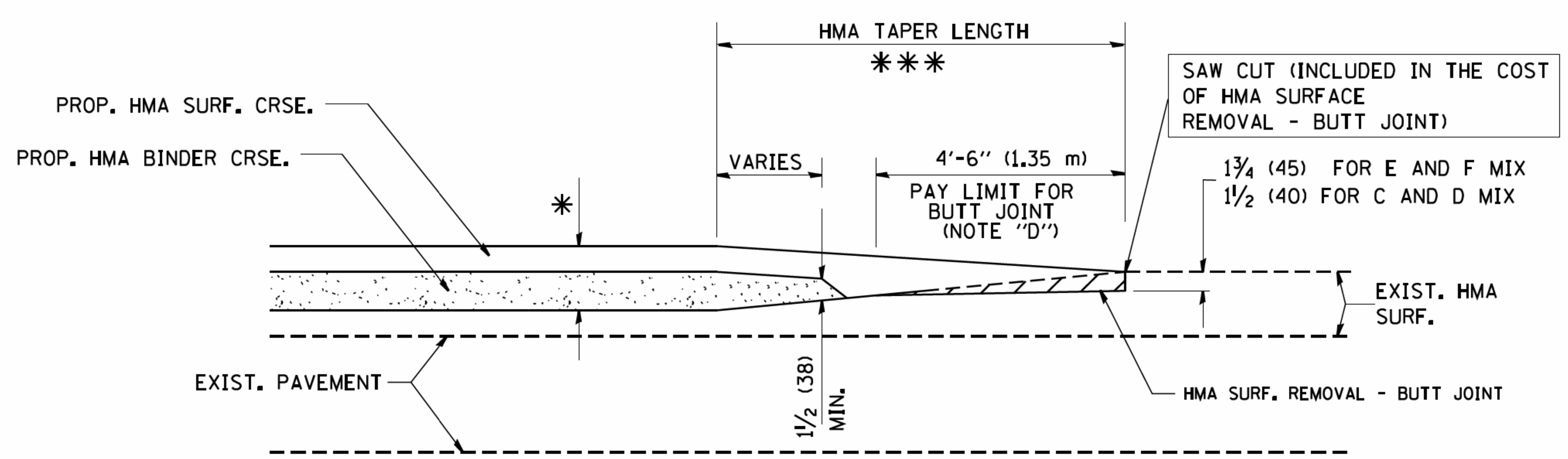


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

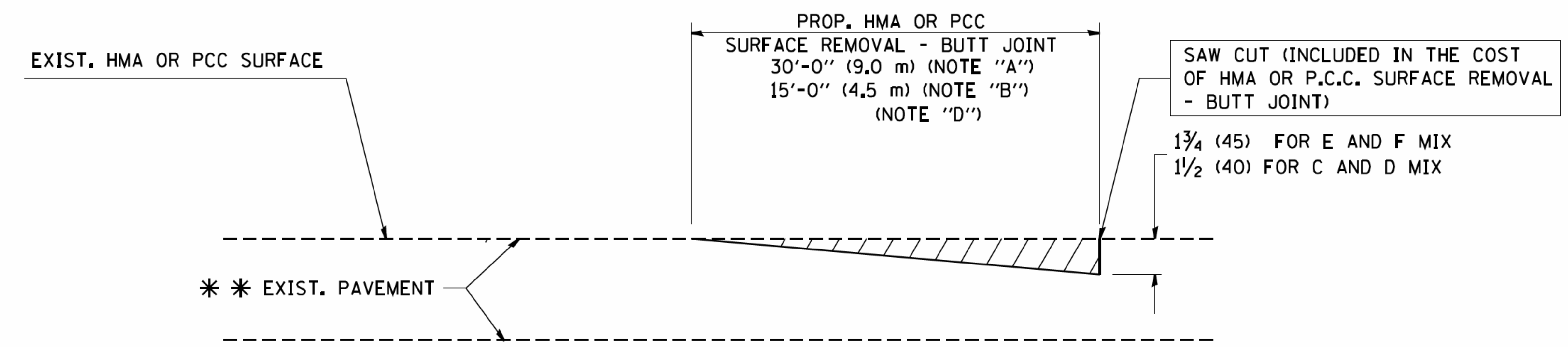
OPTION 2

TYPICAL TEMPORARY RAMP

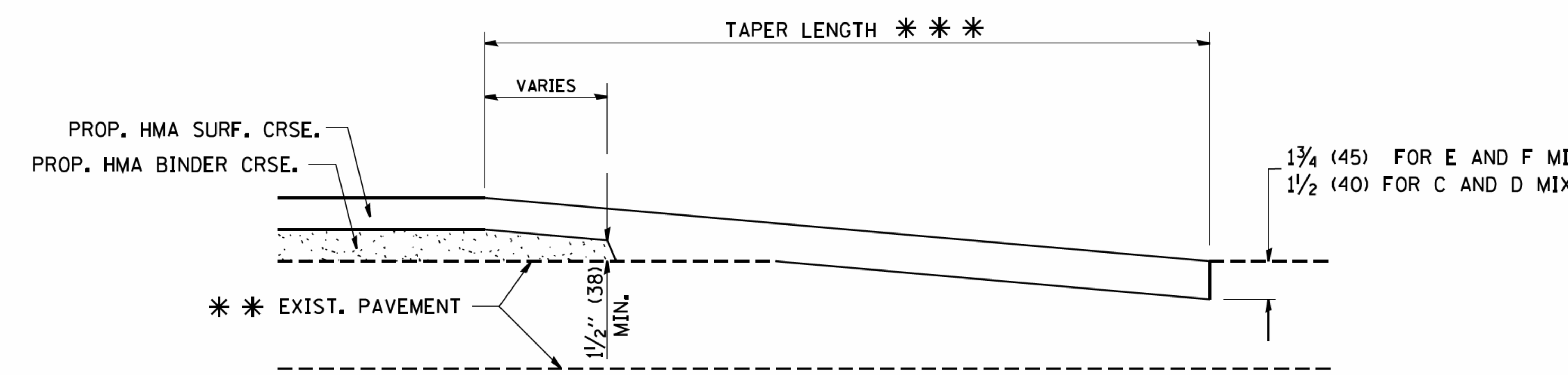


BUTT JOINT AND
HMA TAPER

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.

BY BAXTER & WOODMAN, INC.
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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FILE NAME =	USER NAME = geglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
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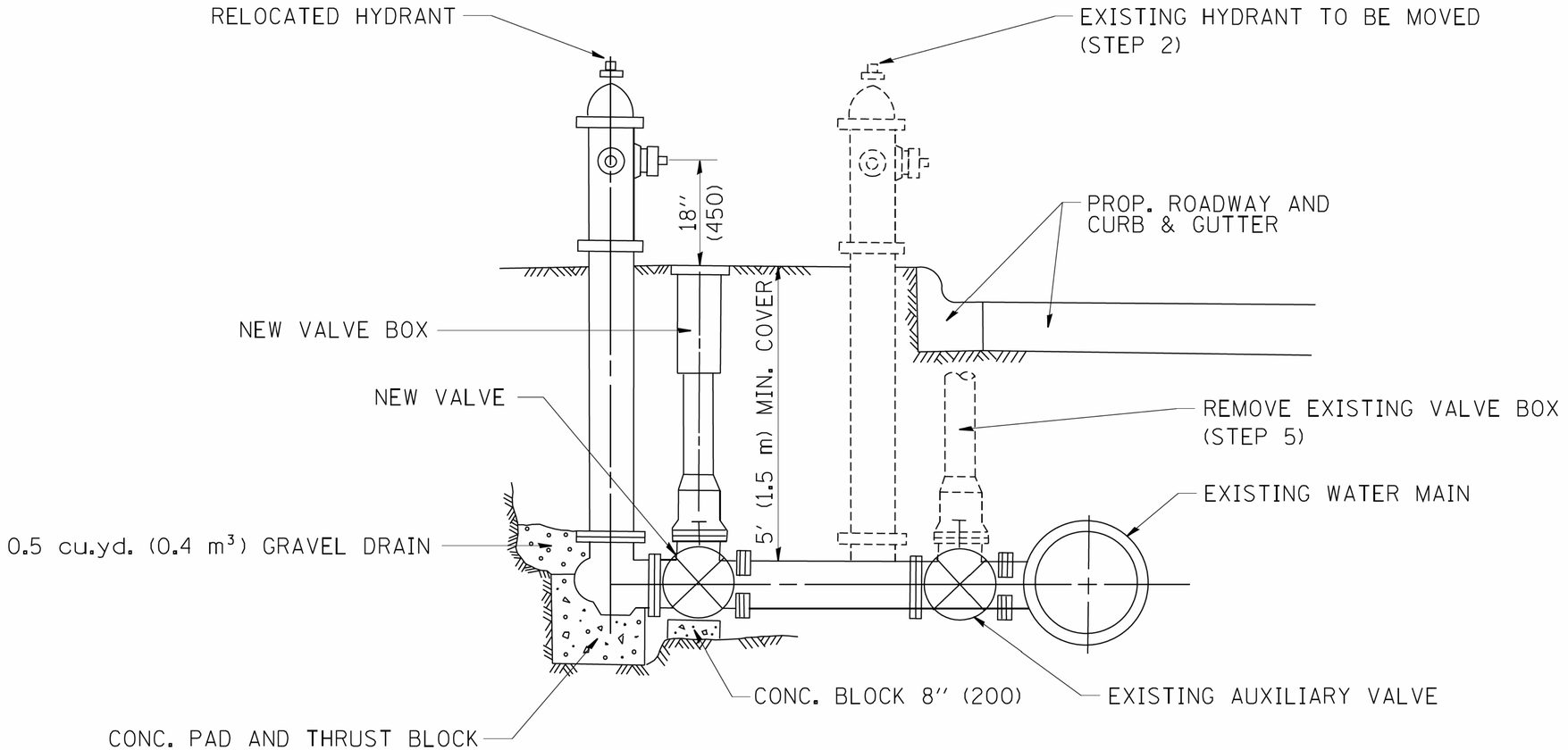
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	33
BD400-05 BD32		CONTRACT NO. 61G15		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 9WZJ(183)		



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

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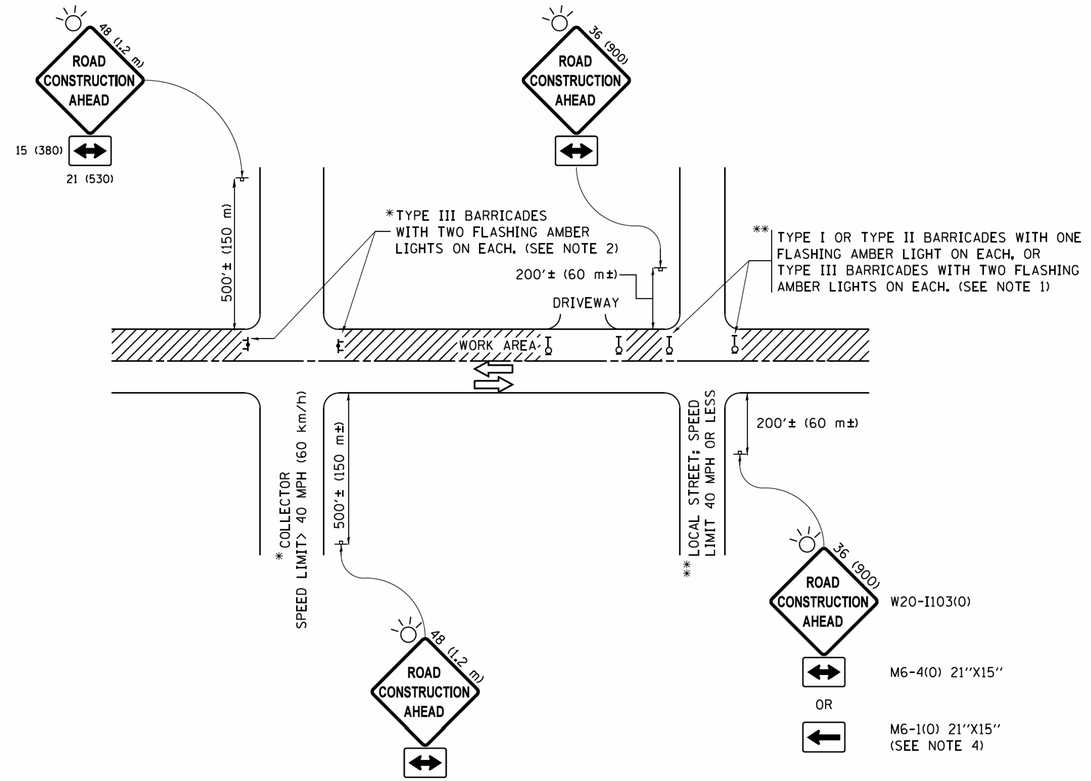
		DRAWN -	REVISED - R. SHAH 10-25-94		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -		
	PLOT DATE = 1/4/2008	DATE -	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	34
	BD-36	**CONTRACT NO.** 61G15		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	9WZJ(183)	



NOTES:

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 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. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME =	USER NAME = footemj	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Distribution\CADData\CADsheets\tc10.dgn		DRAWN -	REVISED -T. RAMMACHER 01-06-00
	PLOT SCALE = 50.000 '/ in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
Default	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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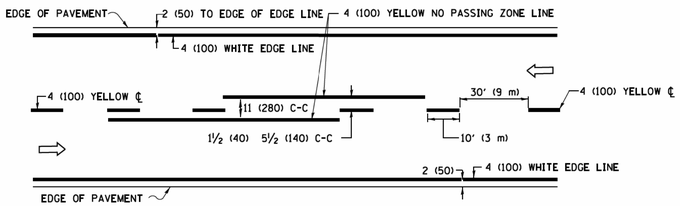
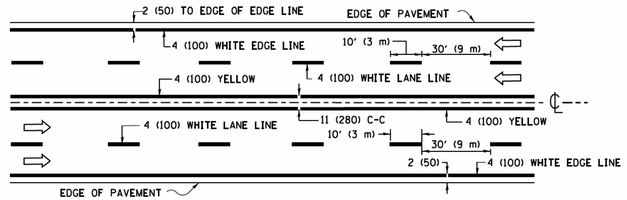
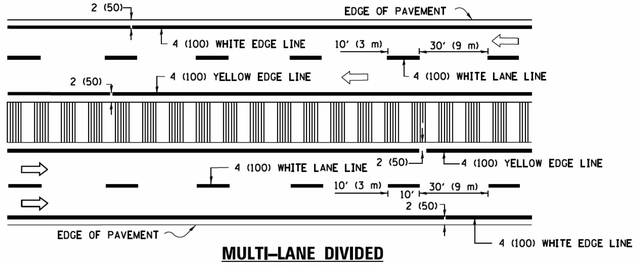
	TC-10	CONTRACT NO. 61G15		
	ILLINOIS FED. AID PROJECT	SWZJ(183)		



2–LANE ROADWAY

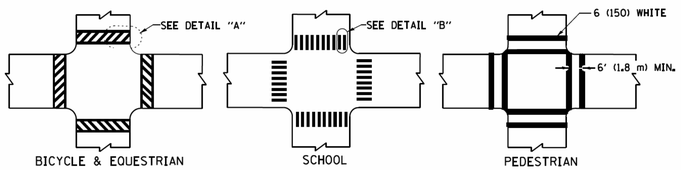


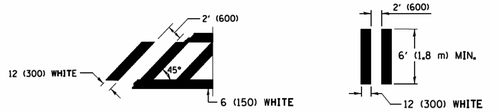
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

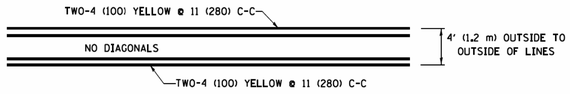




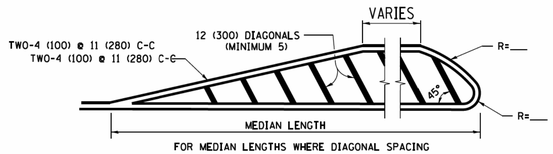
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

✳ MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



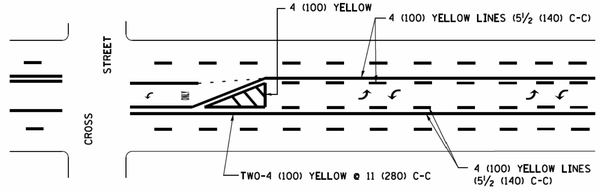
4' (1.2 m) WIDE MEDIANS ONLY



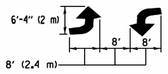
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

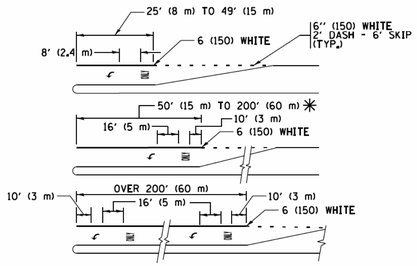


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

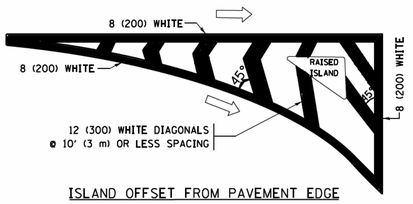


FULL SIZE LETTERS 8' (2,4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

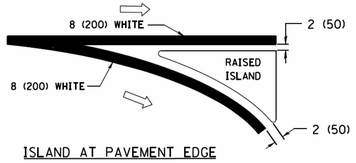
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

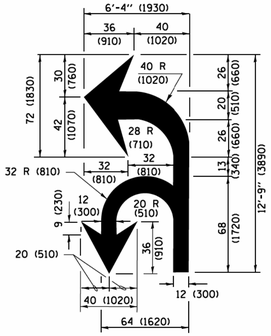


ISLAND OFFSET FROM PAVEMENT EDGE

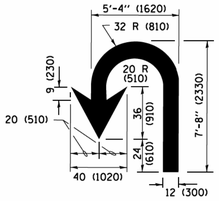


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

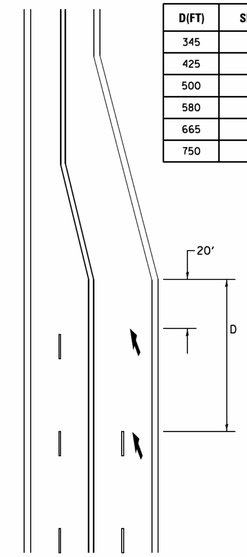


COMBINATION LEFT AND U–TURN



U–TURN

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55



LANE REDUCTION TRANSITION

✳ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

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	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 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 MEDIANS IN YELLOW
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; 5½ (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 (REQUIRED FOR SHOULDERS ≥ 8')	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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16,3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30,4 SF

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.

BY: BAINTER & WOODMAN, INC.
STATE LICENSED PROFESSIONAL DESIGN FIRM
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		DRAWN -	REVISED - C. JUCIUS 07-01-13	
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15	
Default	PLOT DATE = 6/23/2017	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	36
	TC-13	CONTRACT NO. 61G15		
		ILLINOIS FED. AID PROJECT	9W2J(183)	

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

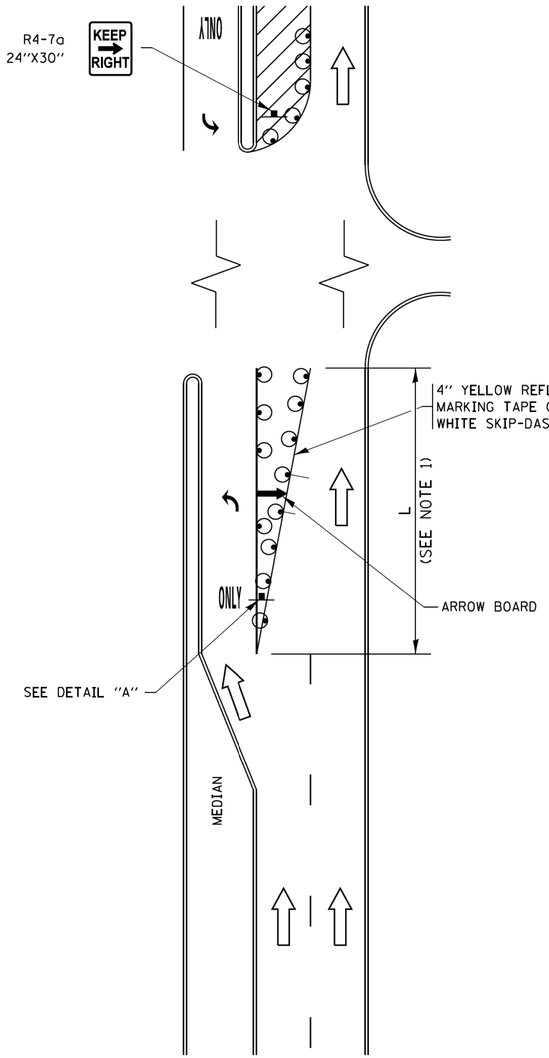


FIGURE 1

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.

   B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.

2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.

3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.

4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.

5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I10OR 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.

6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.

7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.

8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

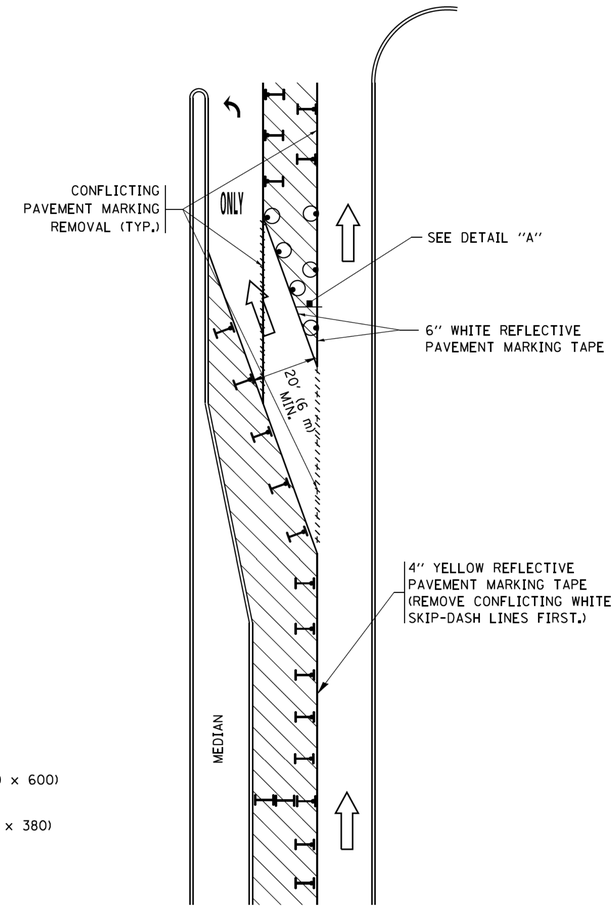
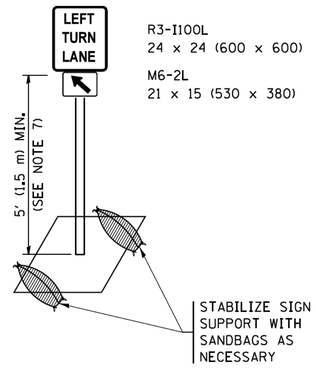


FIGURE 2



DETAIL A

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

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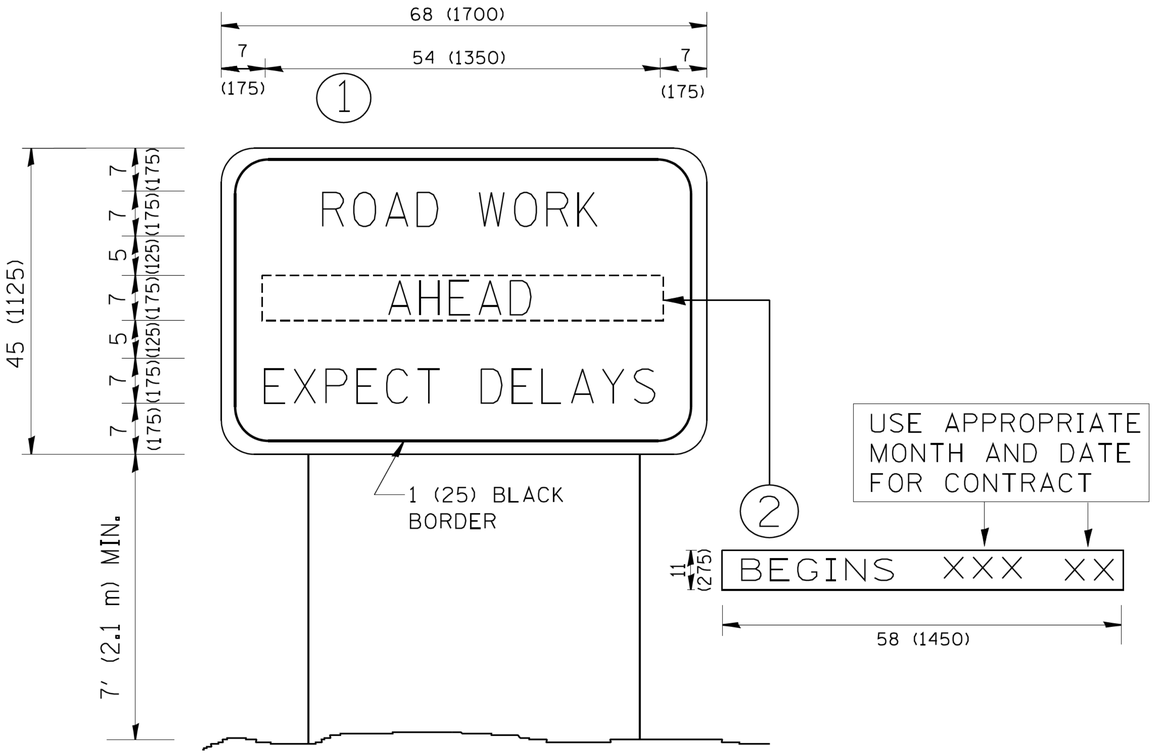
Default	PLOT SCALE = 50.0000 ' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 07-01-13		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.
	PLOT DATE = 9/15/2016	REVISED -T. RAMMACHER 01-06-00	REVISED - A. SCHUETZE 09-15-16		
		REVISED - A. HOUSEH 11-07-95	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	37
	TC-14	CONTRACT NO. 61G15		
	ILLINOIS FED. AID PROJECT 9WZJ(183)			



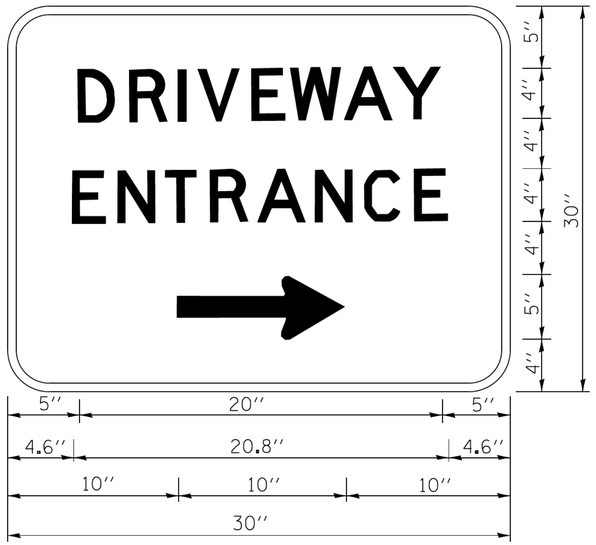
NOTES:

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:\diststd\22x34\tc22.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**ARTERIAL ROAD INFORMATION SIGN**
		DRAWN -	REVISED - R. MIRS 12-11-97		
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99		
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	38
	TC-22	**CONTRACT NO.** 61G15		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	9WZJ(183)	



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	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING
		DRAWN -	REVISED -		
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED -		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. / TO STA.
	PLOT DATE = 12/13/2012	DATE -	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	39
	TC-26	CONTRACT NO. 61G15		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	9WZJ(183)	

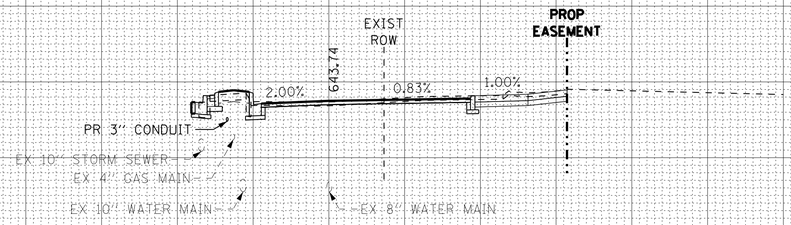
FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS		
NO.	AREAS CHECKED	

60 50 40 30 20 10 0 10 20 30 40 50 60

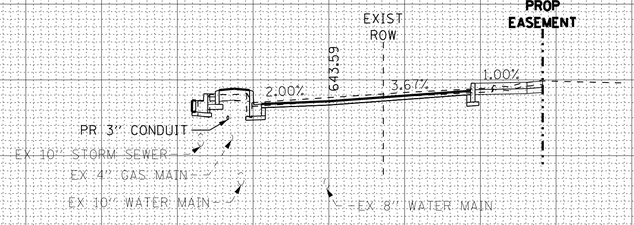
645
640

13+00



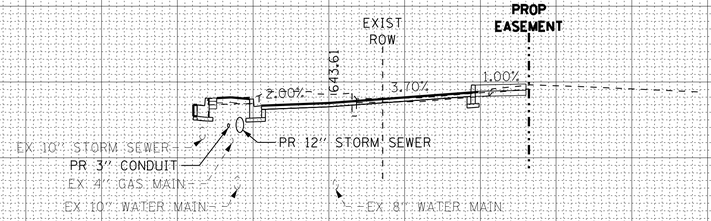
CUT: 32.18 SF
FILL: 0.74 SF

12+50



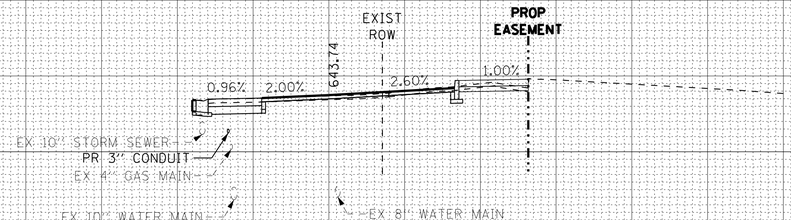
CUT: 39.10 SF
FILL: 1.01 SF

12+00



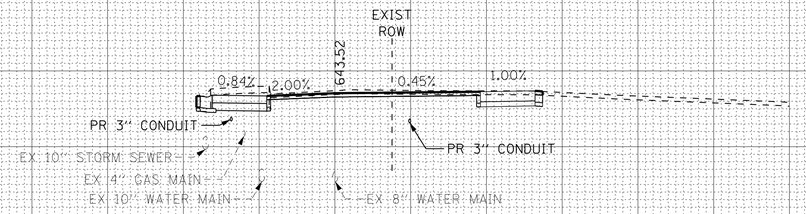
CUT: 44.61 SF
FILL: 1.29 SF

11+75



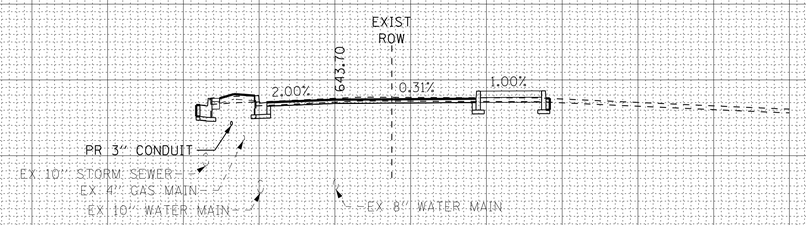
CUT: 14.61 SF
FILL: 0.29 SF

14+65



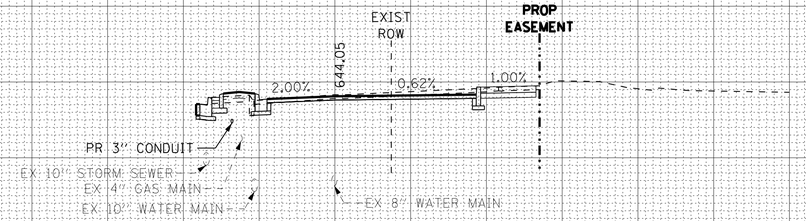
CUT: 46.64 SF
FILL: 0.00 SF

14+50



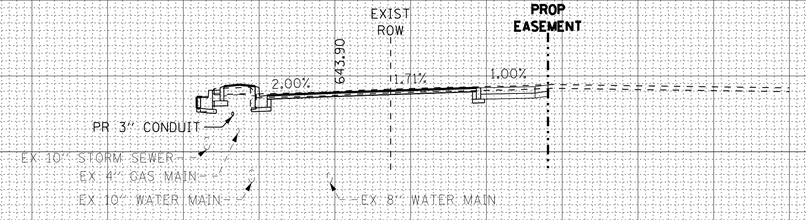
CUT: 34.68 SF
FILL: 1.92 SF

14+00



CUT: 36.78 SF
FILL: 2.02 SF

13+50



CUT: 38.86 SF
FILL: 0.81 SF

60 50 40 30 20 10 0 10 20 30 40 50 60

BAXTER & WOODMAN Consulting Engineers

USER NAME = 560KAR	DESIGNED - LJF	REVISED -	
	DRAWN - KAR	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - JCC	REVISED -	
PLOT DATE = 3/19/2020	DATE - 2-28-2020	REVISED -	

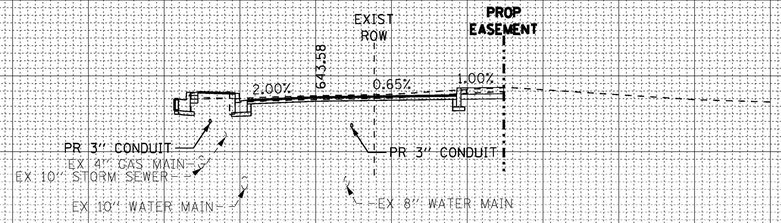
VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

CROSS SECTIONS
MILWAUKEE AVENUE

SCALE: H:1"=10';V:1"=5' | SHEET OF SHEETS | STA. 11+75 | TO STA. 14+65

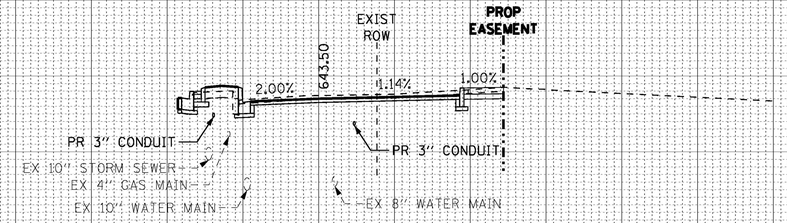
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	40
		CONTRACT NO. 61G15		
	ILLINOIS FED. AID PROJECT			

645
640 **15+75**



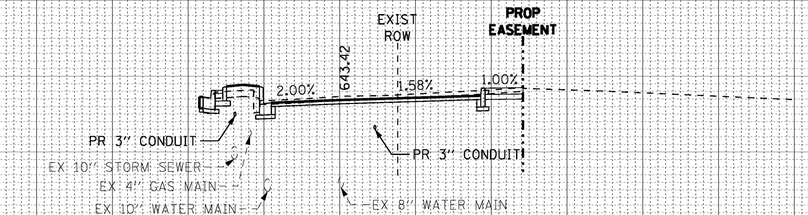
CUT: 37.53 SF
FILL: 1.47 SF

645
640 **15+50**



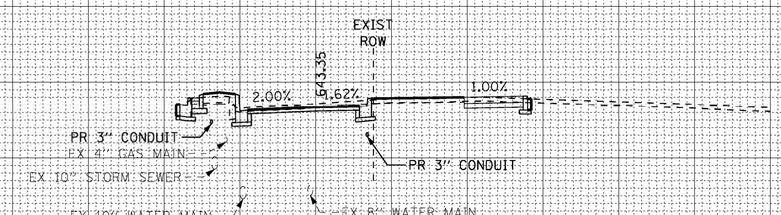
CUT: 39.48 SF
FILL: 1.28 SF

645
640 **15+25**



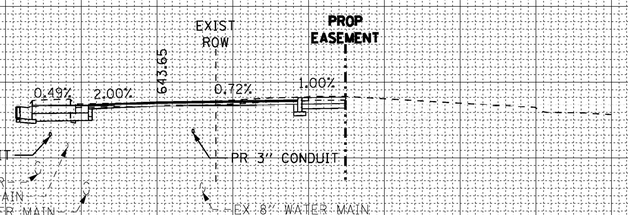
CUT: 40.12 SF
FILL: 1.38 SF

645
640 **15+00**



CUT: 28.55 SF
FILL: 1.58 SF

645
640 **16+00**



CUT: 40.44 SF
FILL: 0.17 SF

60 50 40 30 20 10 0 10 20 30 40 50 60

BAXTER & WOODMAN Consulting Engineers

USER NAME = 560KAR	DESIGNED - LJF	REVISED -	
	DRAWN - KAR	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED - JCC	REVISED -	
PLOT DATE = 3/19/2020	DATE - 2-28-2020	REVISED -	

VILLAGE OF NILES, ILLINOIS
MILWAUKEE AVENUE
STREETSCAPE IMPROVEMENTS

CROSS SECTIONS
MILWAUKEE AVENUE

SCALE: H:1"=10';V:1"=5' | SHEET OF SHEETS | STA. 15+00 TO STA.16+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	17-00129-00-LS	COOK	41	41
		CONTRACT NO. 61G15		
		ILLINOIS FED. AID PROJECT		