

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	61A93	

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR LIST OF HIGHWAY STANDARDS SEE SHEET NO. 2

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY

FAP 374 (ILLINOIS ROUTE 21 – MILWAUKEE AVENUE)  
OAKTON STREET TO MONROE STREET

STREETSCAPE IMPROVEMENTS  
SECTION NO.: 13-00117-00-LS  
PROJECT NO.: TE-00D1(993)  
VILLAGE OF NILES  
COOK COUNTY  
C-91-102-15



**TRAFFIC DATA**

ADT:  
MILWAUKEE AVE.. 36,400 VPD (2007) 38,000 VPD (2030)

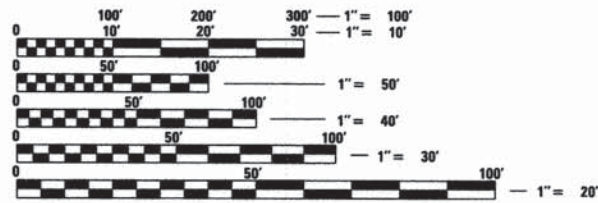
**POSTED SPEED DESIGN SPEED**

35 MPH (EXISTING) 40 MPH (PROPOSED)  
35 MPH (PROPOSED)

**DESIGN DESIGNATION**

ARTERIAL

**J.U.L.I.E.**  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION CALL 811



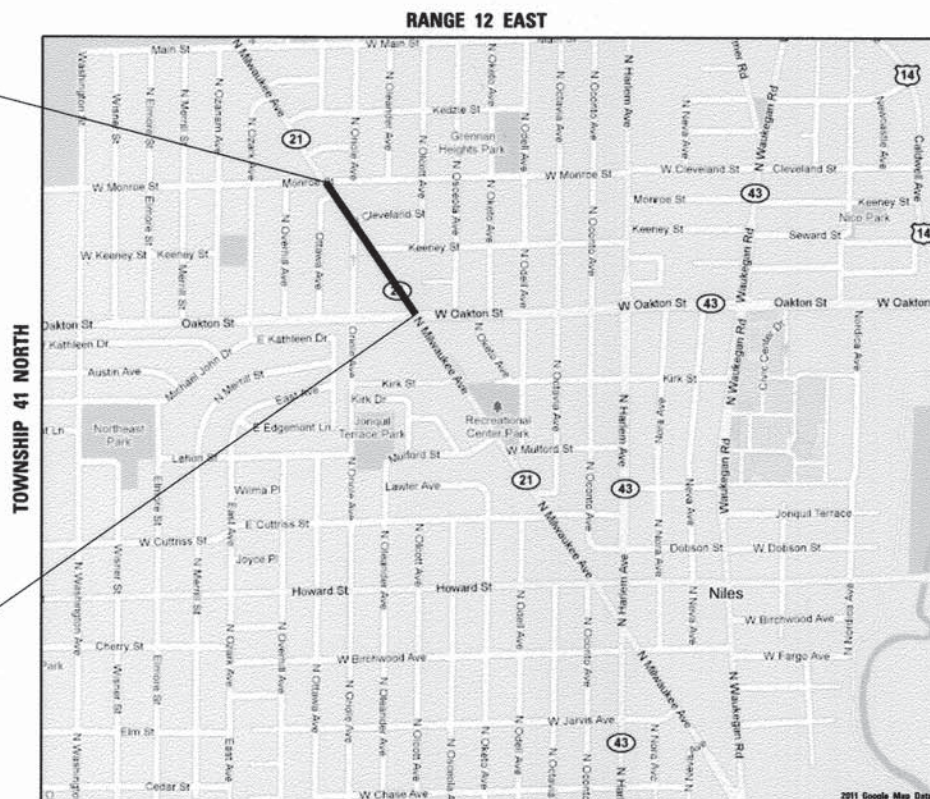
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

**PROJECT LOCATED IN THE VILLAGE OF NILES**

420 NORTH FRONT STREET, SUITE 100 | McHENRY, ILLINOIS 60050  
Phone: 815.385.1778 | Toll Free: 800.728.7805 | Fax: 815.385.1781 | HRGreen.com  
ILLINOIS PROFESSIONAL DESIGN FIRM #184-001322

**PROJECT ENGINEER: J. STRZALKA**  
**PROJECT MANAGER: A. CHAUDHRY**

**CONTRACT NO. 61A93**



**PROJECT LENGTH**  
NET AND GROSS LENGTH OF PROJECT = 1,337.8 FT (0.25 MI)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED October 21 2014  
*Maura Nussal*  
VILLAGE OF NILES

PASSED \_\_\_\_\_ 20 \_\_\_\_\_  
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID  
BASED ON LIMITED REVIEW November 10 2014  
*John F. ...*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

PROFESSIONAL ENGINEER'S SIGN & SEAL

*M. Akram Chaudhry*  
M. AKRAM CHAUDHRY, P.E.  
EXPIRES: 11-30-15

SEAL

**PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS**

FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, P.E. 847-705-4021 SCHAUMBURG, IL  
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PEN TABLE

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**LIST OF STATE STANDARDS**

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
606001-06	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-04	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701427-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS >= 40 MPH
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES

**LIST OF DISTRICT DETAILS**

STANDARD NO.	DESCRIPTION
BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5m)
BD-02	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB <= 15' (4.5m)
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-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

**GENERAL NOTES**

- ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2012
- ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINE AND GRADE STAKES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT SAME TO THE ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT (800) 892-0123 AND THE VILLAGE OF NILES AT (847) 588-7926 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- AT LOCATIONS WHERE PROPOSED SIDEWALK IS TO BE PLACED ADJACENT TO EXISTING CONCRETE PAVEMENT, THE LIMIT OF REMOVAL SHALL BE SAW CUT TO PRODUCE A SMOOTH EDGE FOR AN EXPANSION JOINT AND PROPOSED CONCRETE TO BE PLACED ADJACENT TO AT LOCATIONS WHERE PROPOSED SIDEWALK IS TO BE PLACED ADJACENT TO EXISTING HMA DRIVEWAYS OR PARKING LOTS, THE LIMIT OF REMOVAL SHALL BE EXTENDED 1 FOOT BEYOND THE PROPOSED SIDEWALK TO ALLOW FOR FORMS TO BE USED IN THE SIDEWALK CONSTRUCTION.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR VILLAGE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- ALL ELEVATIONS SHOWN ON THE PLANS ARE ON THE USGS DATUM.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE ENGINEER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN ALONG RETURNS AND AT POINTS OF CURVATURE, ETC. ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.
- SAW CUTTING OF PAVEMENTS, SIDEWALK, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAWCUTTING SHALL BE CONSIDERED INCLUDED IN THE ITEM REMOVED.
- IN ADDITION TO THE REQUIREMENTS OF SECTION 107.01 OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER REMOVAL AND DISPOSAL OF EXCAVATED MATERIALS FROM THE PROJECT SITE. THE CONTRACTOR WILL MEET ALL REQUIREMENTS SET FORTH BY THE IEPA AND PUBLIC ACT 96-1416 IN REGARDS TO CLEAN CONSTRUCTION AND DEMOLITION DEBRIS WHICH MAY INCLUDE, BUT NOT LIMITED TO, FIELD AND LABORATORY ANALYSIS, CERTIFICATION FROM A LICENSED PROFESSIONAL ENGINEER, DUMPING FEES AND DOCUMENTATION. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.
- REMOVAL OF EXISTING COMBINATION CURB AND GUTTER, REGARDLESS OF CURB AND GUTTER TYPE, SHALL BE PAID FOR AS "COMBINATION CURB AND GUTTER REMOVAL".
- THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

17. WHEN NECESSARY, LANE CLOSURES ON ILLINOIS ROUTE 21 WILL ONLY BE PERMITTED BETWEEN THE HOURS OF 9am TO 3pm.

18. SIDEWALK PLACED ADJACENT TO BRICK PAVER BANDING SHALL INCLUDE A 3" WIDE SMOOTH TROWEL SURFACE, 3/16" DEEP ON THE ADJACENT EDGE. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE SIDEWALK UNIT BID PRICES, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. SEE BRICK PAVER BANDING DETAIL FOR ADDITIONAL INFORMATION.

19. PROPOSED TREES SHALL BE SPACED AT APPROXIMATELY 45 FEET APART AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

**UTILITIES**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.

2. THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.

4. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTION MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION.

5. ANY LOOSE MATERIAL DEPOSITED IN THE FLOWLINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

6. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN AN OPERATING CONDITION, TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS.

7. ANY ITEMS DAMAGED DURING REMOVAL OPERATIONS SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE. THE COST OF SALVAGING EXISTING FRAMES, GRATES, LIDS, OR BOXES AND/OR STOCKPILING THEM ON THE JOB SITE FOR DELIVERY TO THE STATE OR VILLAGE MAINTENANCE YARD SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

8. THE CONTRACTOR SHALL TAKE PRECAUTION EXCAVATING AND REMOVING MATERIALS IN THE VICINITY OF LIGHTING EQUIPMENT AND CONDUIT. ANY DAMAGED ITEMS WILL BE REPLACED AT NO ADDITIONAL COST BY THE CONTRACTOR.

**SIGNING AND STRIPING**

1. ALL EXISTING SIGNS LOCATED ON UTILITY/LIGHT POLES TO REMAIN THAT DO NOT CONFLICT WITH THE IMPROVEMENTS SHALL REMAIN IN PLACE UNLESS DIRECTED BY THE ENGINEER.

2. SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.

3. THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

4. THE RESIDENT ENGINEER SHALL CONTACT THE NORTH COOK AREA TRAFFIC FIELD ENGINEER AT (773) 685-8386 AT A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.

5. PROPOSED PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH DISTRICT ONE TYPICAL PAVEMENT MARKINGS UNLESS OTHERWISE NOTED.

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 PROJECT CONTACT: J. J. S.  
 CLIENT: HRGreen  
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PLOT DATE = 10/23/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES  
MILWAUKEE AVENUE STREETSCAPE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	2
CONTRACT NO.				61A93
SCALE: N.T.S.		SHEET NO. 1 OF 1 SHEETS		STA. NA TO STA. NA
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

# SUMMARY OF QUANTITIES

SP. PROV.	SPECIALTY	CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY	LANDSCAPING ITEP CONSTRUCTION CODE 0031
		20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	40	40
		20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	20	20
		20101000	TEMPORARY FENCE	FOOT	120	120
+		21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	900	900
+		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	17	17
+		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	17	17
+		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	17	17
+		25200110	SODDING, SALT TOLERANT	SO YD	900	900
*	+	25200200	SUPPLEMENTAL WATERING	UNIT	79	79
		28000510	INLET FILTERS	EACH	36	36
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SO YD	1,710	1,710
		31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SO YD	870	870
		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	324	324
*	+	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	198	198
+		40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	675	675
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	495	495
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	4,635.0	4,635.0
*		42400800	DETECTABLE WARNINGS	SO FT	64	64
		44000100	PAVEMENT REMOVAL	SO YD	1,485	1,485
+		44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SO YD	2,930	2,930
*		44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	1,950	1,950
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,845	2,845
		44000600	SIDEWALK REMOVAL	SO FT	7,255.0	7,255.0
*	+	56400800	FIRE HYDRANT AND VALVE TO BE MOVED	EACH	1	1
*	+	56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	10	10
		60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	27	27
		60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	9	9
		60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1	1
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2,711	2,711
		67100100	MOBILIZATION	L SUM	1	1
		70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
		72400710	RELOCATE SIGN PANEL - TYPE 1	SO FT	22.5	22.5
+		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	190	190
+		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	55	55
+		A2004820	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	4
+		A2006720	TREE, QUERCUS MACROCARPA (BUR OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	5	5
+		C20058G5	SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 5-GALLON	EACH	42	42
+		C2C06318	SHRUB, RIBES ALPINUM GREEN MOUND (GREEN MOUND ALPINE CURRANT), 18" WIDTH, CONTAINER	EACH	21	21
+		K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	10	10
+		K0013020	PERENNIAL PLANTS, PRAIRIE TYPE, GALLON POT	UNIT	3	3
*	+	K1001988	IRRIGATION SYSTEM SPECIAL	L SUM	1	1
*	+	K1005481	SHREDDED BARK MULCH 3"	SO YD	355	355

SP. PROV.	SPECIALTY	CODE NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY	LANDSCAPING ITEP CONSTRUCTION CODE 0031
*	+	X0300635	PLANTER	EACH	3	3
*		X0327301	RELOCATE EXISTING MAILBOX	EACH	2	2
*		X0327426	BRICK PAVER BANDING	SO FT	7,055.0	7,055.0
*	+	X0327808	PLANTING SOIL MIX FURNISH AND PLACE, 18"	SO YD	355	355
*		X0350810	BOLLARD REMOVAL	EACH	23	23
*	+	X0539700	TREE FRAME AND GRATE	EACH	3	3
*		X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100
*		X6060714	CONCRETE MEDIAN (SPECIAL)	SO FT	7,055.0	7,055.0
*		X6061005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	2,102	2,102
*	+	X8140115	HANDHOLE TO BE ADJUSTED	EACH	1	1
*		XX000959	TRASH RECEPTACLES	EACH	3	3
*		Z0003850	BENCHES	EACH	3	3
*		Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
*		Z0022800	FENCE REMOVAL	FOOT	73	73
*		Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	214	214
*	+	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6	6
+		A2007208	TREE, QUERCUS X WAREI 'NADLER', (KNIDRED SPIRIT HYBRID OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4	4
*	+	XX001249	ORNAMENTAL FENCE	FOOT	159	159

† SPECIALTY ITEM  
\* SPECIAL PROVISION

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 PROJECT CONTACT: HRGreen  
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 DRAWN - WH  
 CHECKED - AC  
 DATE -

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## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

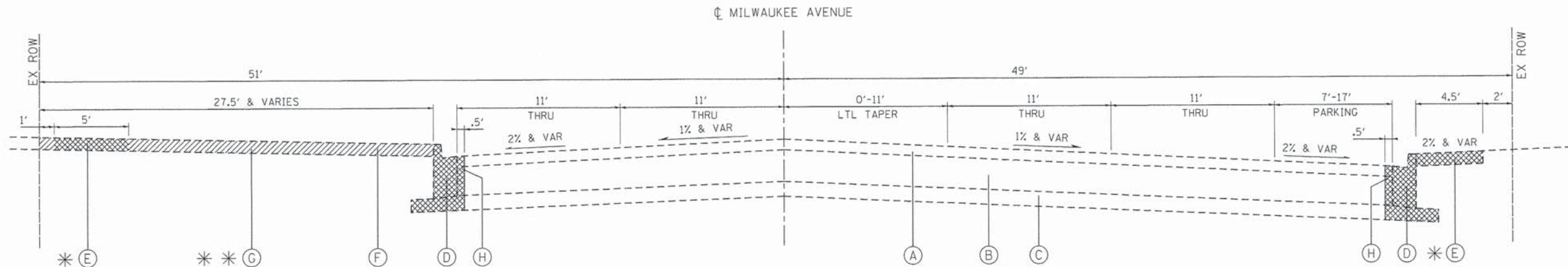
### SUMMARY OF QUANTITIES MILWAUKEE AVENUE STREETScape

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	3

CONTRACT NO. 61A93

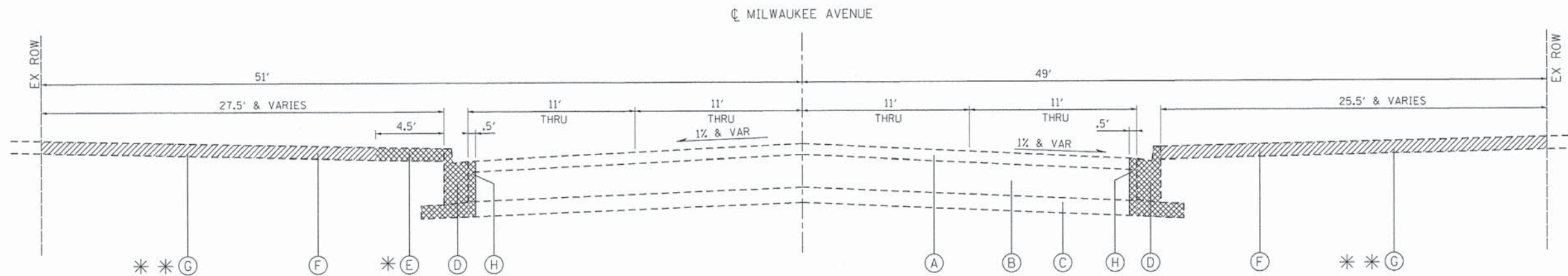
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



EXISTING TYPICAL SECTION  
MILWAUKEE AVENUE  
STA 218+22.7 TO STA 224+00.00

\* PCC SIDEWALK FROM STA 223+20 TO STA 225+63  
\* \* HMA SURFACE REMOVAL STA 218+26 TO STA 223+25

\* PCC SIDEWALK FROM STA 219+06 TO STA 223+39



EXISTING TYPICAL SECTION  
MILWAUKEE AVENUE  
STA 224+00.00 TO STA 231+60.5

\* PCC SIDEWALK FROM STA 226+85 TO STA 228+03  
STA 228+28 TO STA 229+78  
STA 230+04 TO STA 230+14  
\* \* HMA SURFACE REMOVAL STA 226+60 TO STA 230+09

\* \* HMA SURFACE REMOVAL STA 224+01 TO STA 226+49  
STA 227+29 TO STA 229+99  
STA 230+23 TO STA 230+89

EXISTING LEGEND

- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE; 4" & VARIES
- (B) PORTLAND CEMENT CONCRETE PAVEMENT; 9" & VARIES
- (C) SUB-BASE GRANULAR MATERIAL
- (D) COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12 (MOD) (VARIABLE HEIGHT) TO BE REMOVED
- (E) PORTLAND CEMENT CONCRETE SIDEWALK TO BE REMOVED
- (F) HOT-MIX ASPHALT DRIVEWAY PAVEMENT (SEE STREETScape PLAN FOR REMOVAL LIMITS)
- (G) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- (H) FULL-DEPTH SAWCUT AND PAVEMENT REMOVAL REQUIRED FOR INSTALLATION OF FRONT FACE FORM OR SLIPFORM MACHINE. SEE CONSTRUCTION DETAILS. (INCLUDED IN THE COST OF COMBINATION CURB AND GUTTER REMOVAL)

INDICATES REMOVAL ITEM  
INDICATES HOT-MIX ASPHALT SURFACE REMOVAL

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS  
MILWAUKEE AVENUE STREETScape

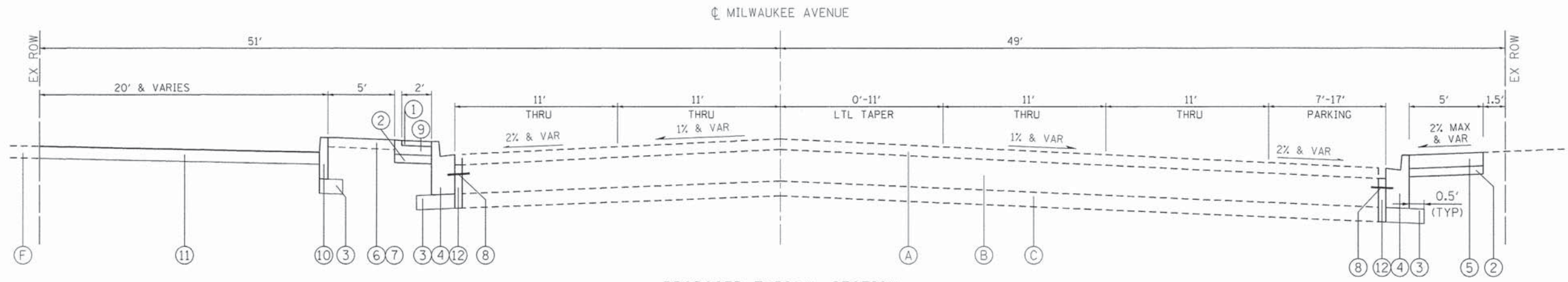
SCALE: N.T.S. SHEET NO. 1 OF 2 SHEETS STA. 218+22.7 TO STA. 231+60.5

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	4
		CONTRACT NO. 61A93		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

USER NAME = jstrzal	DESIGNED - JJS	REVISED -
	DRAWN - WH	REVISED -
PLOT SCALE = N.T.S.	CHECKED - AC	REVISED -
PLOT DATE = 10/23/2014	DATE -	REVISED -



COMPANY NAME: HRGreen  
PROJECT CONTACT: jstrzal  
DATE PLOTTED: 10/23/2014 4:06:26 PM  
FILE NAME: 86130147-1yp-01.dgn  
PLOT DRIVER: pldrvr  
PEN TABLE: standard-trans-screen-fplot.tbl



PROPOSED TYPICAL SECTION  
MILWAUKEE AVENUE  
STA 218+22.7 TO STA 224+00.00

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

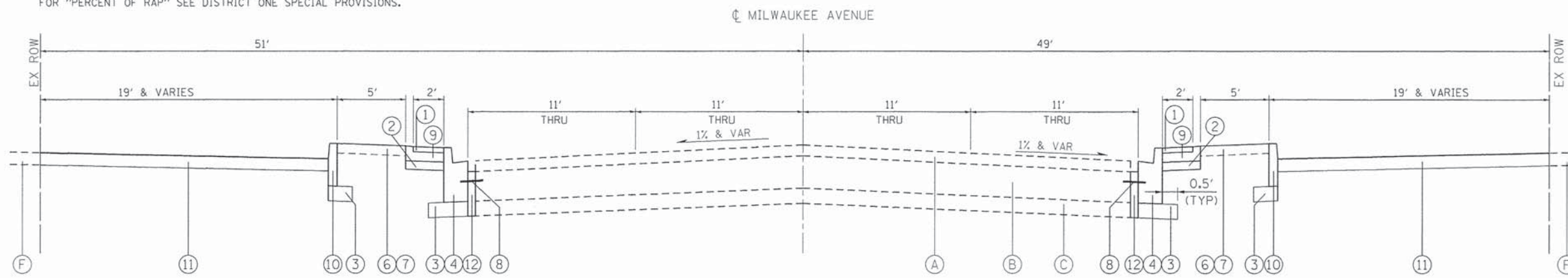
MIXTURE TYPE	AIR VOIDS
DRIVEWAYS	
HMA SURFACE COURSE, MIX "D", N 50 (IL 9.5 mm); 3"	4% @ 50 GYR.

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/50 YD<sup>3</sup>/IN

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

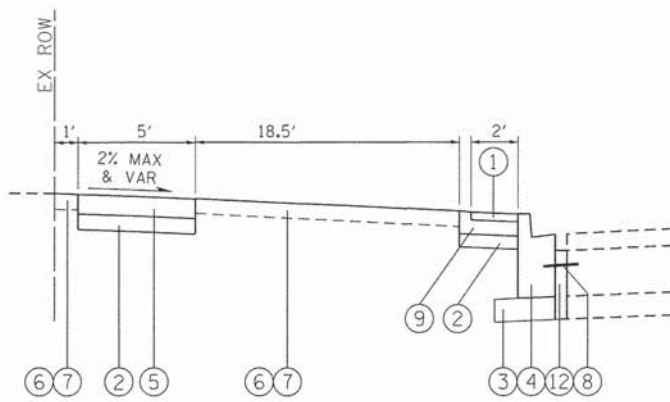
FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

NOTE  
SEE CONSTRUCTION DETAILS FOR STREETSCAPE AND LANDSCAPING DETAILS



PROPOSED TYPICAL SECTION  
MILWAUKEE AVENUE  
STA 224+00.00 TO STA 231+60.5

PCC SIDEWALK FROM STA 224+27 TO STA 225+36  
SEE DETAIL 'A'



DETAIL 'A'  
STA 224+27 TO STA 225+36

PROPOSED LEGEND

- ① BRICK PAVER BANDING (SEE STREETSCAPE PLANS FOR DETAILS)
- ② SUBBASE GRANULAR MATERIAL, TYPE B, 4" (CA-7 CRUSHED)
- ③ SUBBASE GRANULAR MATERIAL, TYPE B, 6" (CA-7 CRUSHED)
- ④ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑤ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ⑥ TOPSOIL FURNISH AND PLACE, 6"
- ⑦ SODDING, SALT TOLERANT
- ⑧ TIE BAR PER STATE STANDARDS (INCLUDED IN THE COST OF CONCRETE CURB AND GUTTER BEING CONSTRUCTED)
- ⑨ CONCRETE MEDIAN (SPECIAL); 4" (SEE STREETSCAPE PLANS FOR DETAILS)
- ⑩ CONCRETE CURB, TYPE B (SPECIAL)

PROPOSED LEGEND CONT.

- ⑪ HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N50; 3"
- ⑫ PCC WEDGE AFTER REMOVAL OF CURB FORMS. SEE CONSTRUCTION DETAILS. (INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER)

EXISTING LEGEND

- A HOT-MIX ASPHALT SURFACE AND BINDER COURSE; 4" & VARIES
- B PORTLAND CEMENT CONCRETE PAVEMENT; 9" & VARIES
- C SUB-BASE GRANULAR MATERIAL
- D COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12 (MOD) (VARIABLE HEIGHT)
- E PORTLAND CEMENT CONCRETE SIDEWALK
- F HOT-MIX ASPHALT DRIVEWAY PAVEMENT; 2" & VARIES

COMPANY NAME: HRGreen.com  
PROJECT CONTACT: Illinois Professional Design Firm #184-001322  
DATE PLOTTED: 10/23/2014 4:26 PM  
FILE NAME: 86130147-1yp-02.dgn  
PLOT DRIVER: pdfCaf  
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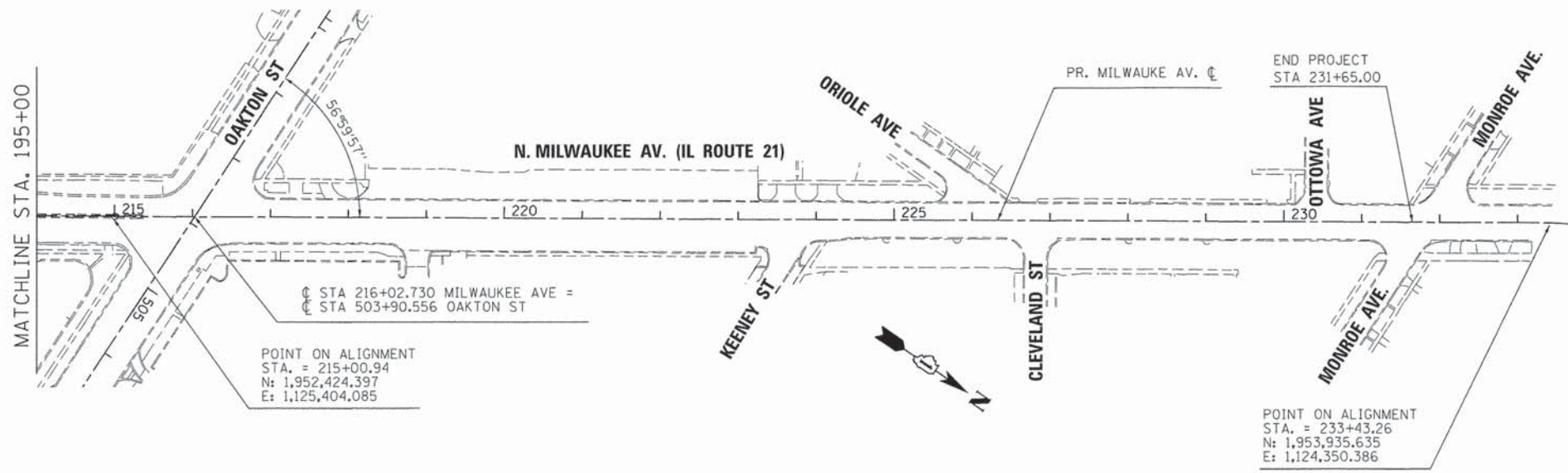


USER NAME = jstrzel	DESIGNED - JJS	REVISED -
PLOT SCALE = N.T.S.	DRAWN - WH	REVISED -
PLOT DATE = 10/23/2014	CHECKED - AC	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

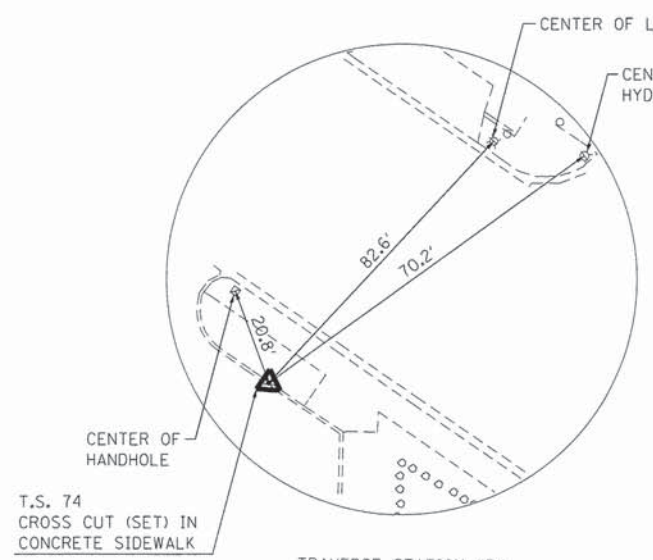
PROPOSED TYPICAL SECTIONS MILWAUKEE AVENUE STREETSCAPE		F.A. RTE. 374	SECTION 13-00117-00-LS	COUNTY COOK	TOTAL SHEETS 31	SHEET NO. 5
SCALE: N.T.S.	SHEET NO. 2 OF 2 SHEETS	STA. 218+22.7	TO STA. 231+60.5	CONTRACT NO. 61A93		

F.A. RTE. 374	SECTION 13-00117-00-LS	COUNTY COOK	TOTAL SHEETS 31	SHEET NO. 5
CONTRACT NO. 61A93				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

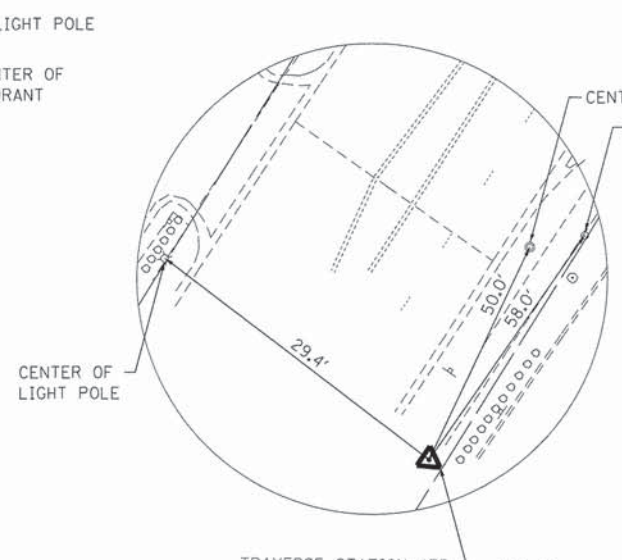


**BENCHMARKS**

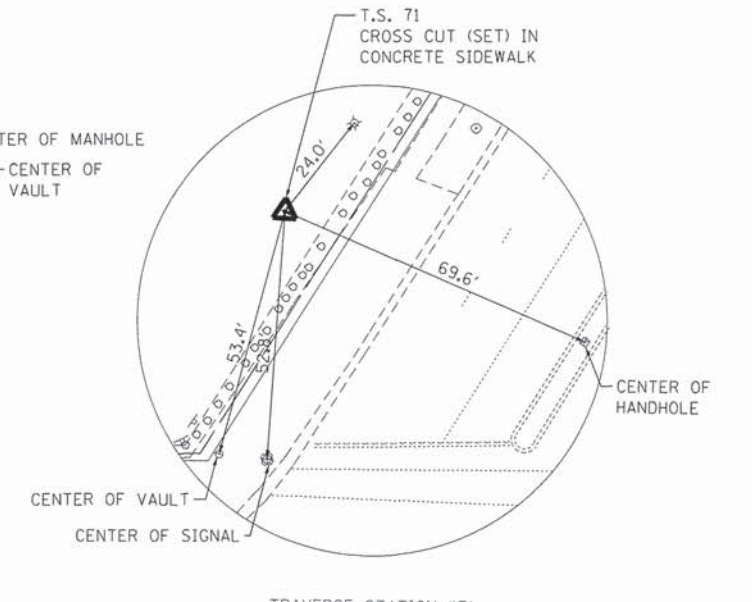
- BM #1: CUT CROSS IN CONCRETE SIDEWALK APPROXIMATELY 27 FEET EAST/NORTHEAST OF THE CENTERLINE OF MILWAUKEE AVENUE AND 52 FEET SOUTH OF THE CENTERLINE OF BIRCHWOOD AVENUE. ELEVATION = 641.62
- BM #2: TAG BOLT LOCATED ON THE SOUTHWEST CORNER OF THE UPPER FLANGE OF THE FIREHYDRANT LOCATED ON THE SOUTHEAST CORNER OF MILWAUKEE AV. AND MONROE AVE. ELEV=650.38



TRAVERSE STATION #74  
 STA. 177+21.28  
 O/S 131.64 LT  
 N 1946232.619  
 E 1127431.934



TRAVERSE STATION #75  
 STA. 184+17.40  
 O/S 164.25' RT  
 N 1949974.616  
 E 1127285.050



TRAVERSE STATION #71  
 STA. 215+95.15  
 O/S 103.06 LT  
 N 1952442.727  
 E 1125265.661

COMPANY NAME: HRGreen  
 PROJECT CONTACT: [Name]  
 DATE PLOTTED: 10/23/2014 6:24:40 PM  
 FILE NAME: 86130147-HA-01.dgn  
 PLOT DRIVER: pldrvr.plt  
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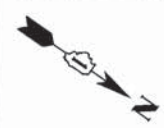
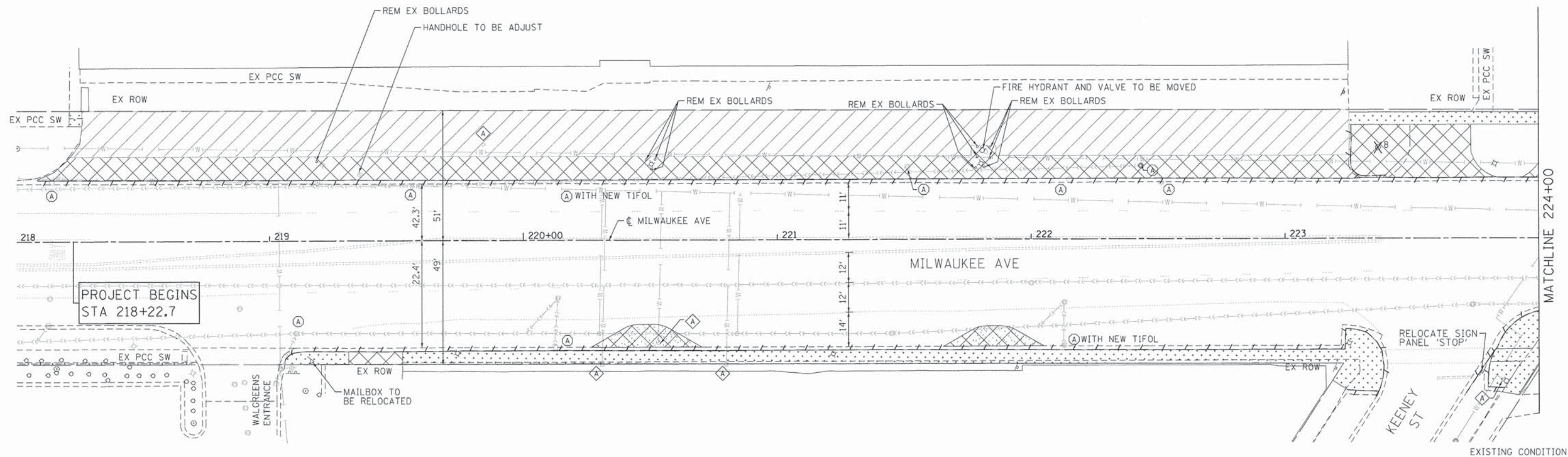
USER NAME = jstzsl	DESIGNED - JJS	REVISED -
	DRAWN - WH	REVISED -
PLOT SCALE = 1" = 100'	CHECKED - AC	REVISED -
PLOT DATE = 10/23/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIE & BENCHMARKS  
 MILWAUKEE AVENUE STREETSCAPE**

SCALE: 1" = 100' SHEET NO. 1 OF 1 SHEETS STA. 218+22.7 TO STA. 231+60.5

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A93	

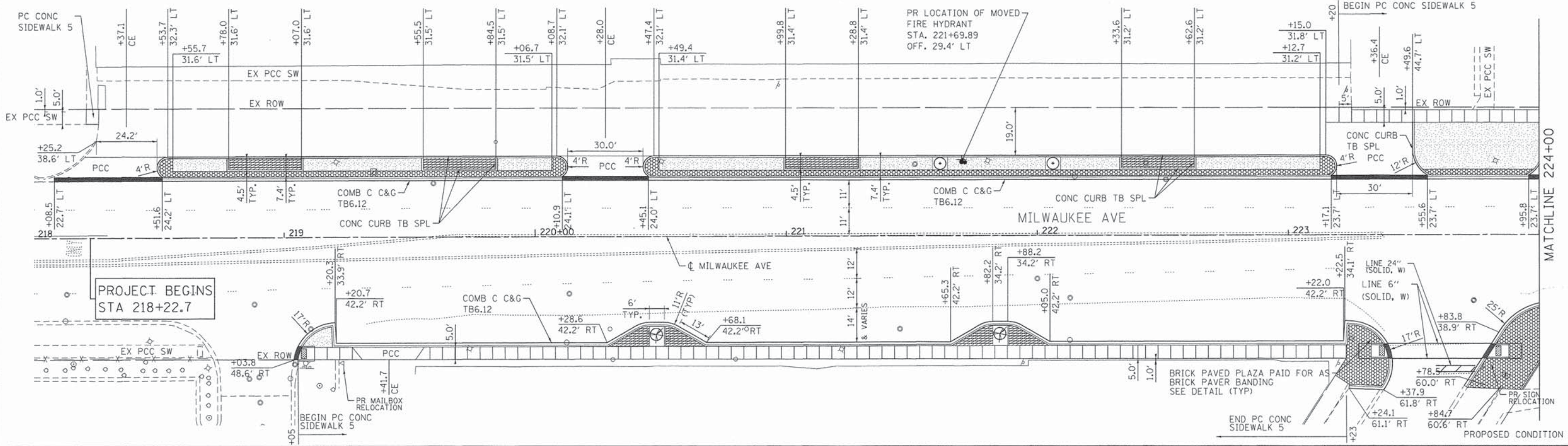


**LEGEND:**



- COMB CONC CURB & GUTTER REM AND REPL
- TREE REMOVAL (WITH SIZE)
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PROPOSED DEPRESSED CURB
- ORNAMENTAL FENCE, ALUMINIUM
- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- PAVEMENT REMOVAL
- PLANTING BED WITH PLANTING SOIL MIX & SHREDDED BARK MULCH (SEE PLANTING PLANS AND DETAILS)
- BRICK PAVER BANDING (SEE DETAIL)
- TOPSOIL FURNISH AND PLACE, 6" AND SODDING
- CURB RAMP WITH DETECTABLE WARNINGS

- NOTES:**
1. ALL EXISTING PAVEMENT MARKINGS TO REMAIN UNLESS OTHERWISE NOTED.
  2. ALL SLOPES FOR DRIVEWAYS ASSUME SIDEWALK IS PLACED AT 2% OR FLATTER CROSS SLOPE.
  3. REMOVAL OF SIDEWALKS, DRIVEWAYS, CURB AND PAVEMENT WILL BE TO FULL-DEPTH INCLUDING THE BASE COURSE(S) TO AN ELEVATION TO ACCEPT THE PROPOSED WORK AND ELEVATIONS



COMPANY NAME: HRGreen  
 PROJECT CONTACT: jst-zal  
 CLIENT: HRGreen  
 DATE PLOTTED: 10/23/2014 4:26:05 PM  
 FILE NAME: 8613047-SP-01.dgn  
 PLOT DRIVER: pdfLdr  
 PEN TABLE: standard-trans-screen-topo.tbl

HRGreen.com  
 Illinois Professional Design Firm  
 #184-001322

USER NAME = jst-zal	DESIGNED - JJS	REVISED -
PLOT SCALE = 1"=20'	DRAWN - WH	REVISED -
PLOT DATE = 10/23/2014	CHECKED - AC	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS	DESIGNED - JJS	REVISED -
DEPARTMENT OF TRANSPORTATION	DRAWN - WH	REVISED -
	CHECKED - AC	REVISED -
	DATE -	REVISED -

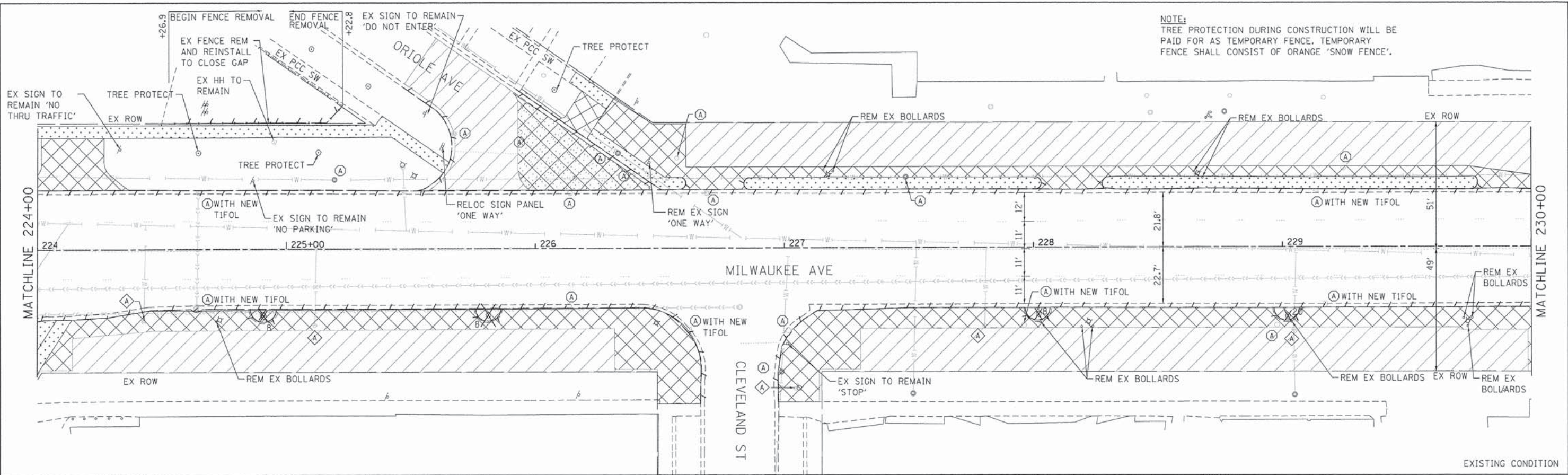
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STREETSCAPE PLAN  
MILWAUKEE AVENUE STREETSCAPE**

SCALE: 1"=20'    SHEET NO. 1 OF 3 SHEETS    STA. 218+22.7 TO STA. 224+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	7
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61A93	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	7
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61A93	



NOTE:  
TREE PROTECTION DURING CONSTRUCTION WILL BE PAID FOR AS TEMPORARY FENCE. TEMPORARY FENCE SHALL CONSIST OF ORANGE 'SNOW FENCE'.

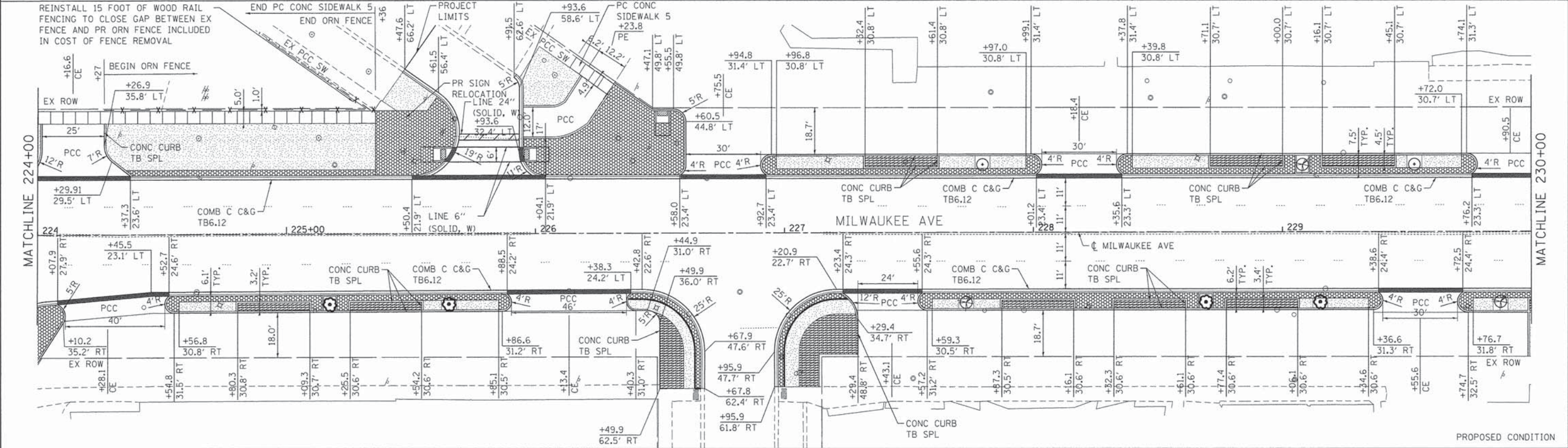
EXISTING CONDITION

**LEGEND:**

0 20 40 60  
SCALE IN FEET

COMB CONC CURB & GUTTER REM AND REPL  
 TREE REMOVAL (WITH SIZE)  
 DRIVEWAY PAVEMENT REMOVAL  
 SIDEWALK REMOVAL  
 PROPOSED DEPRESSED CURB  
 ORNAMENTAL FENCE, ALUMINIUM  
 HOT-MIX ASPHALT SURFACE REMOVAL, 3"  
 PAVEMENT REMOVAL  
 PLANTING BED WITH PLANTING SOIL MIX & SHREDDED BARK MULCH (SEE PLANTING PLANS AND DETAILS)  
 BRICK PAVER BANDING (SEE DETAIL)  
 TOPSOIL FURNISH AND PLACE, 6" AND SODDING  
 CURB RAMP WITH DETECTABLE WARNINGS

**NOTES:**  
 1. ALL EXISTING PAVEMENT MARKINGS TO REMAIN UNLESS OTHERWISE NOTED.  
 2. ALL SLOPES FOR DRIVEWAYS ASSUME SIDEWALK IS PLACED AT 2% OR FLATTER CROSS SLOPE.  
 3. REMOVAL OF SIDEWALKS, DRIVEWAYS, CURB AND PAVEMENT WILL BE TO FULL-DEPTH INCLUDING THE BASE COURSE(S) TO AN ELEVATION TO ACCEPT THE PROPOSED WORK AND ELEVATIONS



PROPOSED CONDITION

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: J. J. S.  
 CLIENT OR COUNTER: J. J. S.  
 FILE NAME: 10/23/2014-0523-PM  
 PLOT DRIVER: perlat  
 PEN TABLE: standard-trans-screen-topo.tbl

**HRGreen.com**  
 Illinois Professional Design Firm  
 # 184-051322

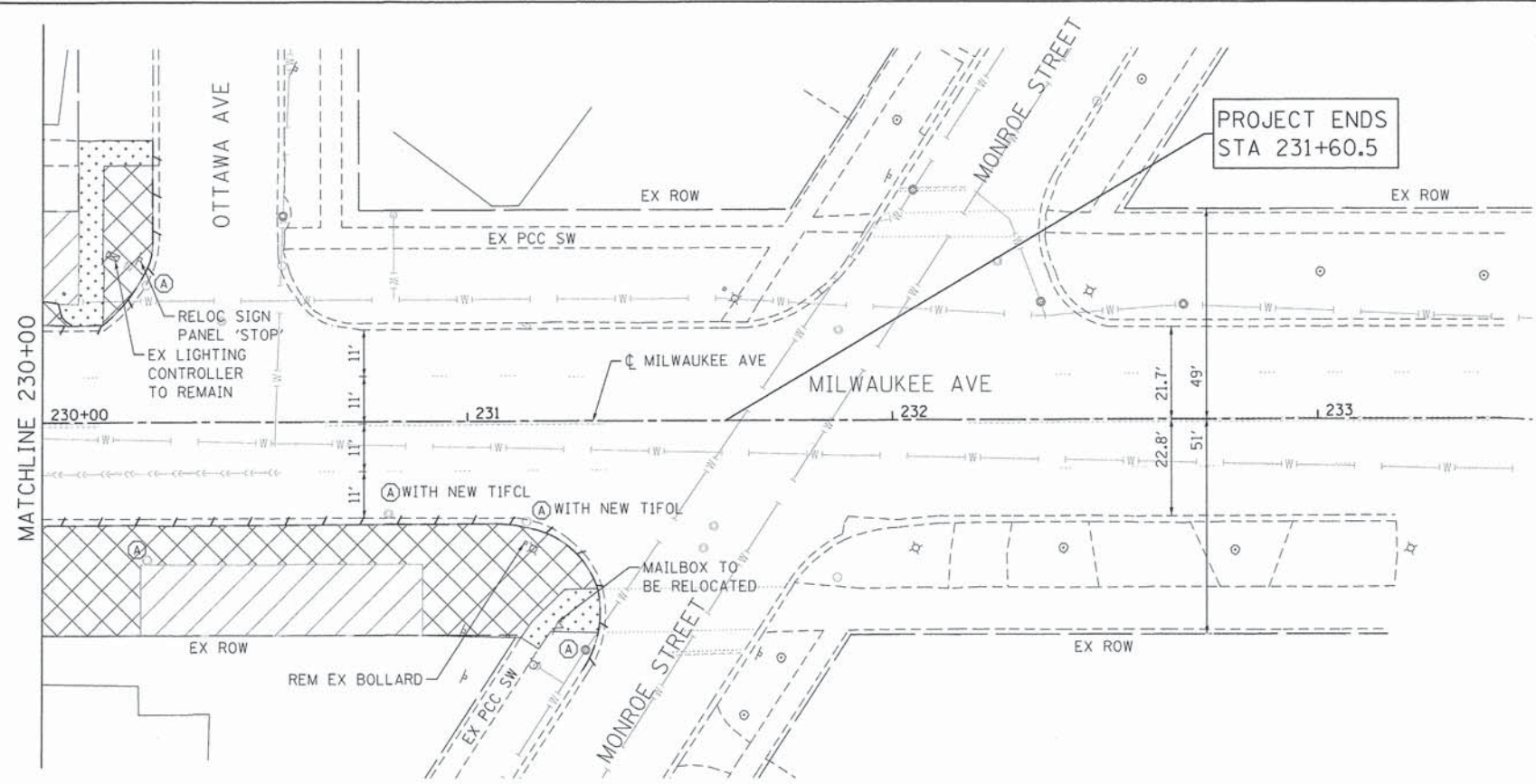
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PLLOT SCALE = 1"=20'	CHECKED - AC	REVISED -
PLLOT DATE = 10/23/2014	DATE -	REVISED -

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

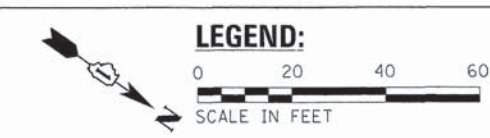
**STREETSCAPE PLAN**  
**MILWAUKEE AVENUE STREETSCAPE**  
 SCALE: 1"=20' SHEET NO. 2 OF 3 SHEETS STA. 224+00 TO STA. 230+00

F.A.P. RTE. 374	SECTION 13-00117-00-LS	COUNTY COOK	TOTAL SHEETS 31	SHEET NO. 8
CONTRACT NO. 61A93		ILLINOIS FED. AID PROJECT		



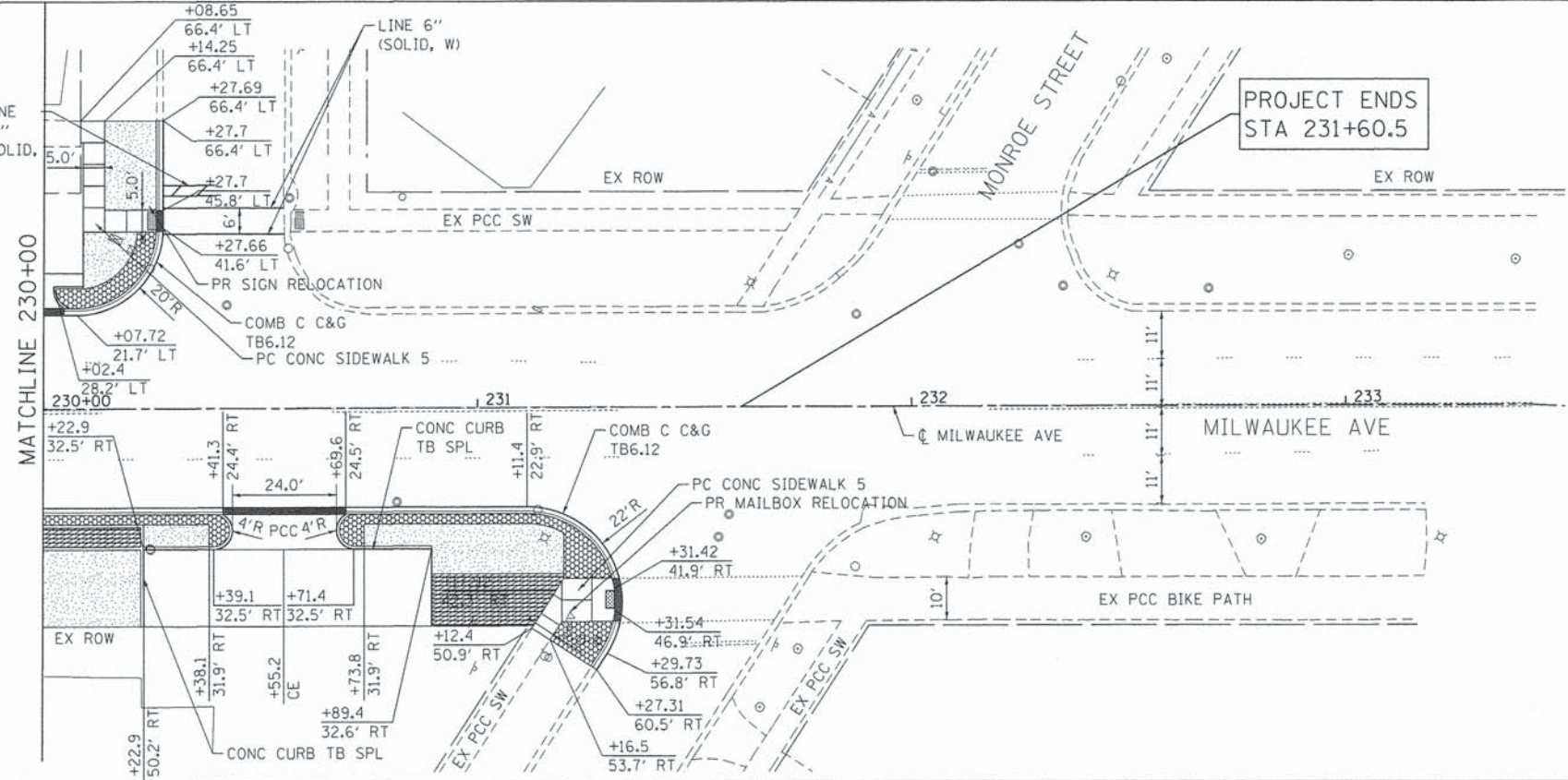


EXISTING CONDITION



- COMB CONC CURB & GUTTER REM AND REPL
- TREE REMOVAL (WITH SIZE)
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- PROPOSED DEPRESSED CURB
- ORNAMENTAL FENCE, ALUMINIUM
- HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- PAVEMENT REMOVAL
- PLANTING BED WITH PLANTING SOIL MIX & SHREDDED BARK MULCH (SEE PLANTING PLANS AND DETAILS)
- BRICK PAVER BANDING (SEE DETAIL)
- TOPSOIL FURNISH AND PLACE, 6" AND SODDING
- CURB RAMP WITH DETECTABLE WARNINGS

- NOTES:
1. ALL EXISTING PAVEMENT MARKINGS TO REMAIN UNLESS OTHERWISE NOTED.
  2. ALL SLOPES FOR DRIVEWAYS ASSUME SIDEWALK IS PLACED AT 2% OR FLATTER CROSS SLOPE.
  3. REMOVAL OF SIDEWALKS, DRIVEWAYS, CURB AND PAVEMENT WILL BE TO FULL-DEPTH INCLUDING THE BASE COURSE(S) TO AN ELEVATION TO ACCEPT THE PROPOSED WORK AND ELEVATIONS



PROPOSED CONDITION

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: jtrzel  
 DATE PLOTTED: 10/23/2014 4:54:24 PM  
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	PLLOT DATE = 10/23/2014	DATE -	REVISED -

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

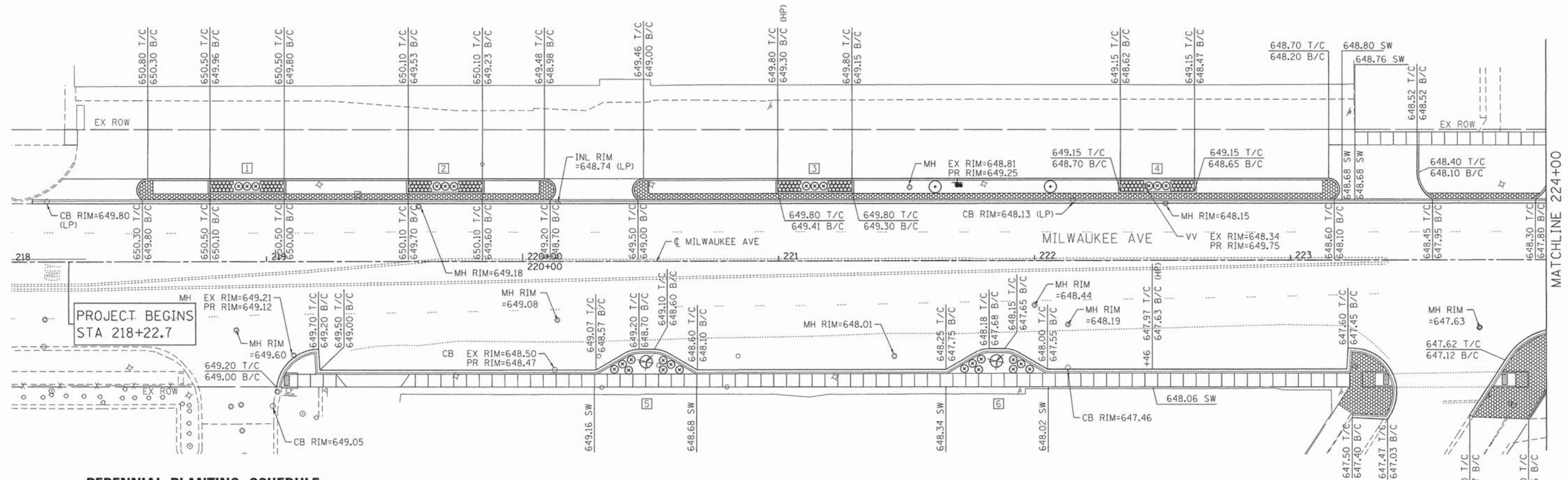
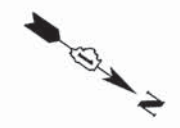
**STREETSCAPE PLAN**  
**MILWAUKEE AVENUE STREETSCAPE**

SCALE: 1"=20'    SHEET NO. 3 OF 3 SHEETS    STA. 230+00 TO STA. 231+60.5

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	9
CONTRACT NO. 61A93				

**LEGEND**

- TREE, QUERCUS X WAREI 'NADLER', (KINDRED SPIRIT HYBRID OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
  - TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED
  - TREE, QUERCUS MACROCARPA (BUR OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
  - PERENNIAL PLANTS, PRAIRIE TYPE, GALLON POT (SEE PERENNIAL PLANTING SCHEDULE)
  - PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT (SEE PERENNIAL PLANTING SCHEDULE)
  - SHRUB, RIBES ALPINUM GREEN MOUND (GREEN MOUND ALPINE CURRANT), 18" WIDTH, CONTAINER
  - ▣ SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 5-GALLON
- T/C TOP OF CURB  
 B/C BOTTOM OF CURB  
 ▣ PLANTING SCHEDULE KEY



**PERENNIAL PLANTING SCHEDULE**

1	QTY	KEY	BOTANICAL NAME/ITEM	COMMON NAME	SPACING
	86	LS	LIATRIS SPICATA 'KOBOLD'	GAYFEATHER	12" O.C.; MATCHED TO PLAN
	11	PH	PENNISETUM ALOPECUROIDES 'HAMELN'	FOUNTAIN GRASS	24" O.C.; MATCHED TO PLAN
2	QTY	KEY	BOTANICAL NAME/ITEM	COMMON NAME	SPACING
	86	RF	RUDBECKIA FULGIDA 'GOLDSTURM'	BLACK-EYED SUSAN	12" O.C.; MATCHED TO PLAN
	11	SH	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	24" O.C.; MATCHED TO PLAN
3	QTY	KEY	BOTANICAL NAME/ITEM	COMMON NAME	SPACING
	86	CJ	COREOPSIS 'JETHRO TULL'	COREOPSIS	12" O.C.; MATCHED TO PLAN
	11	PH	PENNISETUM ALOPECUROIDES 'HAMELN'	FOUNTAIN GRASS	24" O.C.; MATCHED TO PLAN
4	QTY	KEY	BOTANICAL NAME/ITEM	COMMON NAME	SPACING
	86	EH	ECHINACEA 'HOT CORAL'	CONEFLOWER	12" O.C.; MATCHED TO PLAN
	11	SH	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	24" O.C.; MATCHED TO PLAN

5	QTY	KEY	BOTANICAL NAME/ITEM	COMMON NAME	SPACING
	38	SH	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	24" O.C.; MATCHED TO PLAN
6	QTY	KEY	BOTANICAL NAME/ITEM	COMMON NAME	SPACING
	38	SH	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	24" O.C.; MATCHED TO PLAN

COMPANY NAME: HRGreen  
 PROJECT CONTACT: J. J. J.  
 DATE PLOTTED: 10/23/2014 10:25:57 AM  
 FILE NAME: 86130147-elev-01.dgn  
 PLOT DRIVER: pdf24t  
 PEN TABLE: standard.ctb



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	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

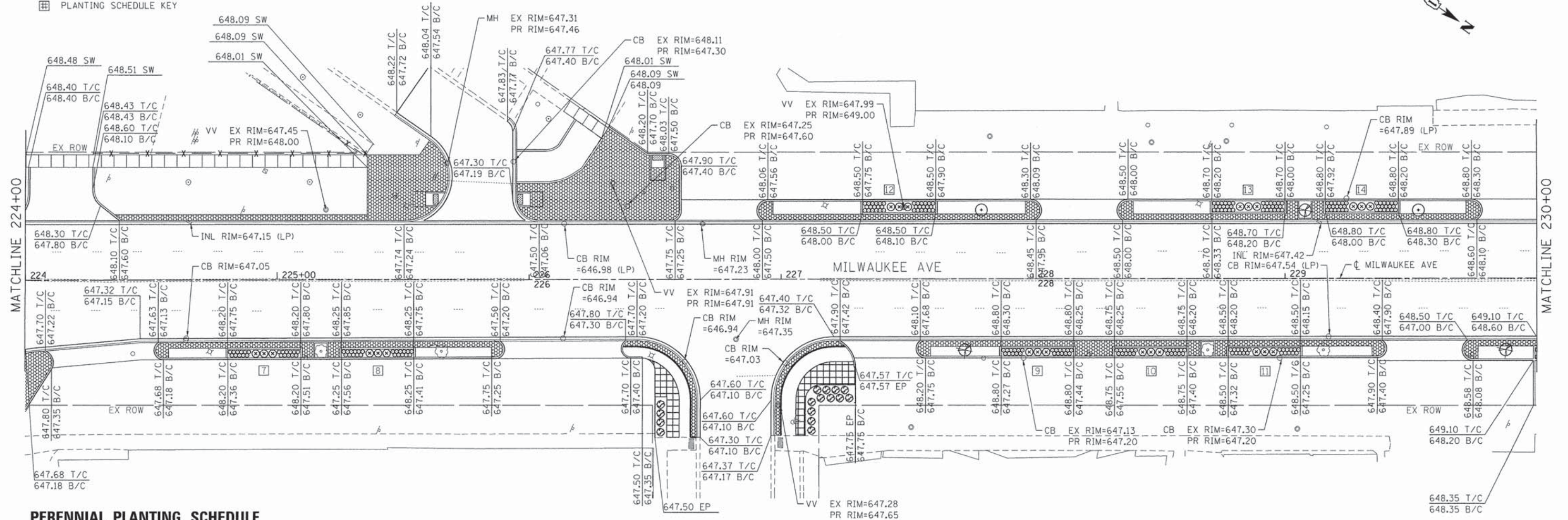
<b>ELEVATION AND LANDSCAPE PLAN          MILWAUKEE AVENUE STREETScape</b>	
SCALE: 1"=20'	SHEET NO. 1 OF 3 SHEETS STA. 218+22.7 TO STA. 224+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	10
CONTRACT NO. 61A93			ILLINOIS FED. AID PROJECT	

**LEGEND**

- TREE, QUERCUS X WAREI 'NADLER', (KINDRED SPIRIT HYBRID OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
- TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED
- TREE, QUERCUS MACROCARPA (BUR OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
- PERENNIAL PLANTS, PRAIRIE TYPE, GALLON POT (SEE PERENNIAL PLANTING SCHEDULE)
- PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT (SEE PERENNIAL PLANTING SCHEDULE)
- SHRUB, RIBES ALPINUM GREEN MOUND (GREEN MOUND ALPINE CURRANT), 18" WIDTH, CONTAINER
- ▨ SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 5-GALLON

T/C TOP OF CURB  
 B/C BOTTOM OF CURB  
 ▨ PLANTING SCHEDULE KEY



**PERENNIAL PLANTING SCHEDULE**

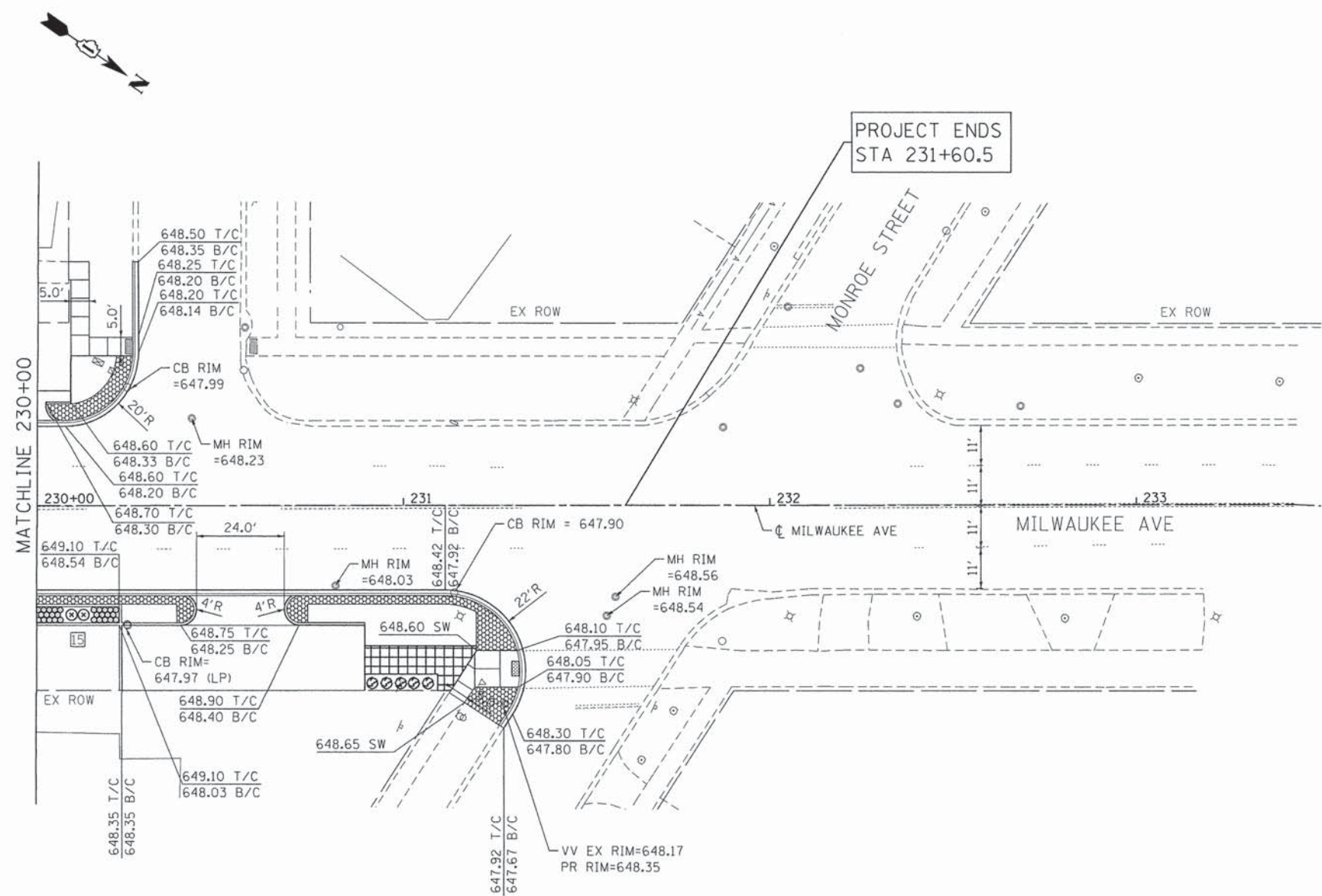
KEY	QTY	KEY	BOTANICAL NAME/ITEM	COMMON NAME	SPACING
7	9	PH	PENNISETUM ALOPECUROIDES 'HAMELN'	FOUNTAIN GRASS	24" O.C.; MATCHED TO PLAN
	62	RF	RUDBECKIA FULGIDA 'GOLDSTURM'	BLACK-EYED SUSAN	12" O.C.; MATCHED TO PLAN
8	62	EH	ECHINACEA 'HOT CORAL'	CONEFLOWER	12" O.C.; MATCHED TO PLAN
	9	SH	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	24" O.C.; MATCHED TO PLAN
9	9	PH	PENNISETUM ALOPECUROIDES 'HAMELN'	FOUNTAIN GRASS	24" O.C.; MATCHED TO PLAN
	62	RC	RUDBECKIA HIRTA 'CHERRY BRANDY'	GLORIOSA DAISY	12" O.C.; MATCHED TO PLAN
10	62	HO	HEUCHERA 'OBSIDIAN'	CORALBELLS	12" O.C.; MATCHED TO PLAN
	9	SH	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	24" O.C.; MATCHED TO PLAN

KEY	QTY	KEY	BOTANICAL NAME/ITEM	COMMON NAME	SPACING
11	62	CJ	COREOPSIS 'JETHRO TULL'	COREOPSIS	12" O.C.; MATCHED TO PLAN
	9	PH	PENNISETUM ALOPECUROIDES 'HAMELN'	FOUNTAIN GRASS	24" O.C.; MATCHED TO PLAN
12	11	PH	PENNISETUM ALOPECUROIDES 'HAMELN'	FOUNTAIN GRASS	24" O.C.; MATCHED TO PLAN
	86	RC	RUDBECKIA HIRTA 'CHERRY BRANDY'	GLORIOSA DAISY	12" O.C.; MATCHED TO PLAN
13	86	HO	HEUCHERA 'OBSIDIAN'	CORALBELLS	12" O.C.; MATCHED TO PLAN
	11	SH	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	24" O.C.; MATCHED TO PLAN
14	86	CJ	COREOPSIS 'JETHRO TULL'	COREOPSIS	12" O.C.; MATCHED TO PLAN
	11	PH	PENNISETUM ALOPECUROIDES 'HAMELN'	FOUNTAIN GRASS	24" O.C.; MATCHED TO PLAN

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: Illinois Professional Design Firm #134-001222  
 DATE PLOTTED: 10/23/2014 4:26:11 PM  
 FILE NAME: 16130147-elev-02.dgn  
 PLOT DRIVER: s:\standard-trans-screen-topoc.tbl  
 PEN TABLE:

**LEGEND**

- ⊙ TREE, QUERCUS X WAREI 'NADLER', (KINDRED SPIRIT HYBRID OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
  - ⊙ TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED
  - ⊙ TREE, QUERCUS MACROCARPA (BUR OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED
  - ⊙ PERENNIAL PLANTS, PRAIRIE TYPE, GALLON POT (SEE PERENNIAL PLANTING SCHEDULE)
  - ⊙ PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT (SEE PERENNIAL PLANTING SCHEDULE)
  - ⊙ SHRUB, RIBES ALPINUM GREEN MOUND (GREEN MOUND ALPINE CURRANT), 18" WIDTH, CONTAINER
  - ⊙ SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 5-GALLON
- T/C TOP OF CURB  
 B/C BOTTOM OF CURB  
 ⊕ PLANTING SCHEDULE KEY



**PERENNIAL PLANTING SCHEDULE**

QTY	KEY	BOTANICAL NAME/ITEM	COMMON NAME	SPACING
68	EH	ECHINACEA 'HOT CORAL'	CONEFLOWER	12" O.C.; MATCHED TO PLAN
9	SH	SPOROBOLUS HETEROLEPIS	PRAIRIE DROPSEED	24" O.C.; MATCHED TO PLAN

COMPANY NAME: HRGreen  
 PROJECT CONTACT: Illinois Professional Design Firm  
 DATE PLOTTED: 10/23/2014 4:26:25 PM  
 FILE NAME: 86130147-elev-03.dgn  
 PLOT DRIVER: pdf.plt  
 PEN TABLE: standard-trans-screen-topo.tbl



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PLOT SCALE = 1"=20'	DRAWN - WH	REVISED -
PLOT DATE = 10/23/2014	CHECKED - AC	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

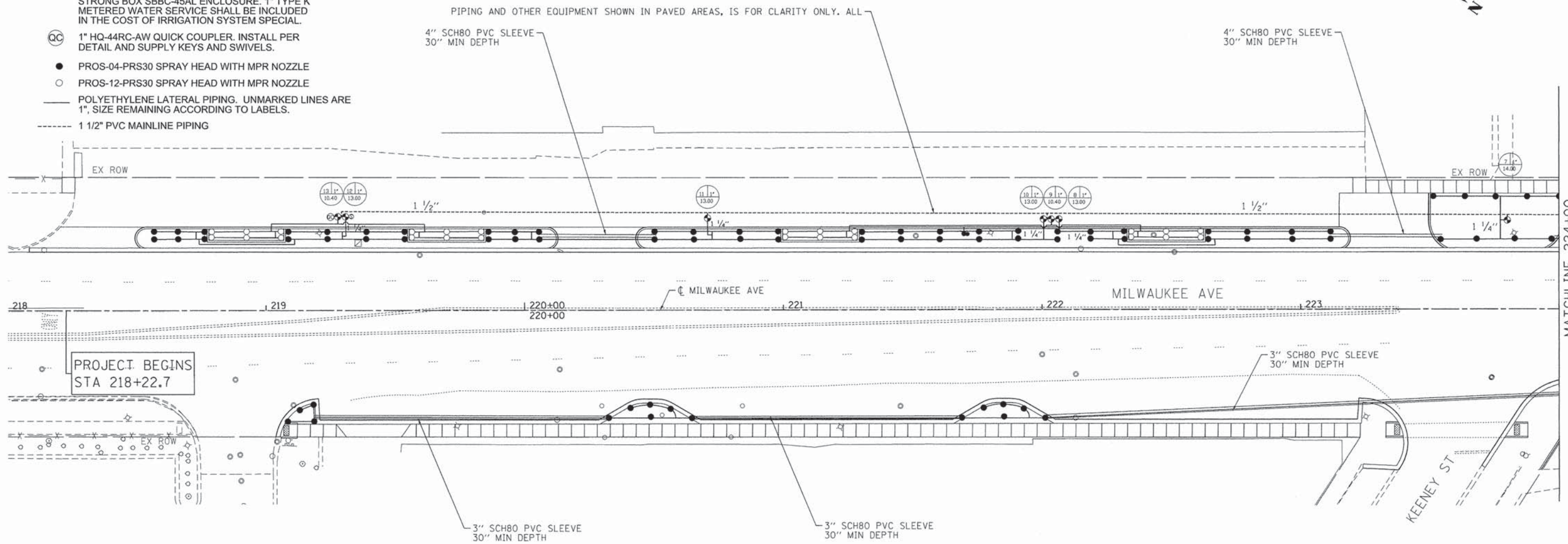
**ELEVATION AND LANDSCAPE PLAN  
 MILWAUKEE AVENUE STREETSCAPE**

SCALE: 1"=20'    SHEET NO. 3 OF 3 SHEETS    STA. 230+00 TO STA. 231+60.5

F.A. RTE. 374	SECTION 13-00117-00-LS	COUNTY COOK	TOTAL SHEETS 31	SHEET NO. 12
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 61A93				

**LEGEND**

- 1" PGV SOLENOID VALVE INSTALLED IN VALVE BOX. ONE VALVE INSTALLED IN 10" AMETEK ROUND BOX, THREE VALVES INSTALLED IN A STANDARD BOX
- C I-CORE IC-600-PL CONTROLLER WITH A DUAL48M 2-WIRE MODULE INSTALLED INSIDE A STRONG BOX SB-18SS ENCLOSURE. 110-VOLT POWER INTO THE CONTROLLER SHALL BE INCLUDED IN THE COST OF IRRIGATION SYSTEM SPECIAL CONTROL WIRE SHALL BE ID1BLU CABLE WITH A 14-1 WIRE INSTALLED FOR LOCATING. DECODERS SHALL BE DUAL-1 OR DUAL-2 STATION DECODERS.
- S DUAL-S, SURGE ARRESTOR. INSTALL WITH GROUND ROD PER MANUFACTURERS RECOMMENDATION.
- WS WSS-SEN SOLAR-SYNC RAIN / WEATHER SENSOR LOCATION TO BE DETERMINED ONSITE
- M/B 1" FEBCO 825Y WITH STRAINER INSTALLED WITH A 1" WATER METER IN A STRONG BOX SBBC-45AL ENCLOSURE. 1" TYPE K METERED WATER SERVICE SHALL BE INCLUDED IN THE COST OF IRRIGATION SYSTEM SPECIAL.
- QC 1" HQ-44RC-AW QUICK COUPLER. INSTALL PER DETAIL AND SUPPLY KEYS AND SWIVELS.
- PROS-04-PRS30 SPRAY HEAD WITH MPR NOZZLE
- PROS-12-PRS30 SPRAY HEAD WITH MPR NOZZLE
- POLYETHYLENE LATERAL PIPING. UNMARKED LINES ARE 1", SIZE REMAINING ACCORDING TO LABELS.
- - - 1 1/2" PVC MAINLINE PIPING



NOTE:  
PIPING AND OTHER EQUIPMENT SHOWN IN PAVED AREAS IS FOR CLARITY ONLY. ALL PIPING SHOULD RUN THRU LANDSCAPED AREAS.

CONSTRUCTION NOTE:  
IRRIGATION DESIGN IS BASED ON A STATIC PRESSURE OF 50 PSI. IN THE EVENT PRESSURE IS LESS, IMMEDIATELY BRING TO THE ATTENTION OF THE ENGINEER PRIOR TO INSTALLATION.



180 DETROIT ST.  
CARY, IL. 60013  
847-659-6900 - TEL.  
847-659-1832 - FAX.

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: HRGreen.com  
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 PLOT DRIVER: pdfplot  
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	DRAWN - JJS	REVISED -
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PLOT DATE = 10/23/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

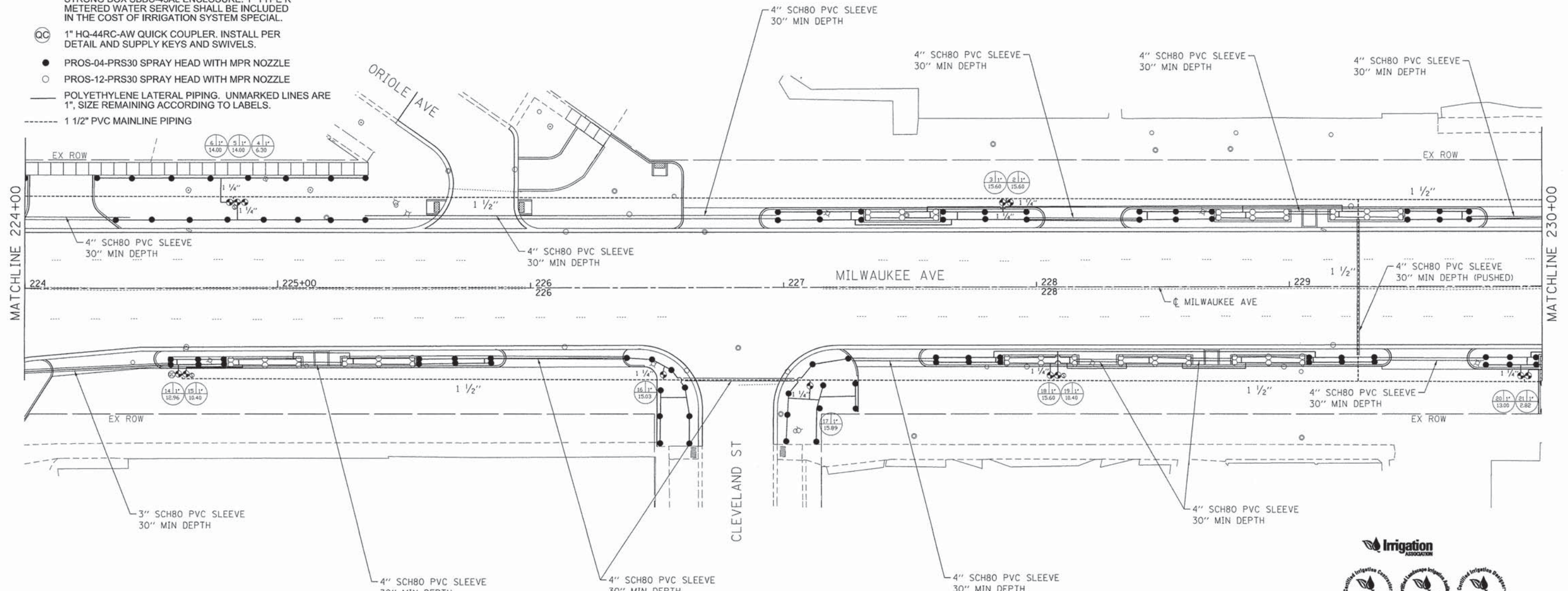
**IRRIGATION PLAN  
MILWAUKEE AVENUE STREETSCAPE**

SCALE: 1"=20' SHEET NO. 1 OF 3 SHEETS STA. 218+22.7 TO STA. 224+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	13
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO.	61A93

**LEGEND**

- 1" PGV SOLENOID VALVE INSTALLED IN VALVE BOX. ONE VALVE INSTALLED IN 10" AMETEK ROUND BOX, THREE VALVES INSTALLED IN A STANDARD BOX
- Ⓢ I-CORE IC-600-PL CONTROLLER WITH A DUAL48M 2-WIRE MODULE INSTALLED INSIDE A STRONG BOX SB-18SS ENCLOSURE. 110-VOLT POWER INTO THE CONTROLLER SHALL BE INCLUDED IN THE COST OF IRRIGATION SYSTEM SPECIAL CONTROL WIRE SHALL BE ID1BLU CABLE WITH A 14-1 WIRE INSTALLED FOR LOCATING. DECODERS SHALL BE DUAL-1 OR DUAL-2 STATION DECODERS.
- Ⓢ DUAL-S, SURGE ARRESTOR. INSTALL WITH GROUND ROD PER MANUFACTURERS RECOMMENDATION.
- Ⓢ WSS-SEN SOLAR-SYNC RAIN / WEATHER SENSOR LOCATION TO BE DETERMINED ONSITE
- Ⓢ/Ⓢ 1" FEBCO 825Y WITH STRAINER INSTALLED WITH A 1" WATER METER IN A STRONG BOX SBBC-45AL ENCLOSURE. 1" TYPE K METERED WATER SERVICE SHALL BE INCLUDED IN THE COST OF IRRIGATION SYSTEM SPECIAL.
- Ⓢ 1" HQ-44RC-AW QUICK COUPLER. INSTALL PER DETAIL AND SUPPLY KEYS AND SWIVELS.
- PROS-04-PRS30 SPRAY HEAD WITH MPR NOZZLE
- PROS-12-PRS30 SPRAY HEAD WITH MPR NOZZLE
- POLYETHYLENE LATERAL PIPING. UNMARKED LINES ARE 1", SIZE REMAINING ACCORDING TO LABELS.
- - - 1 1/2" PVC MAINLINE PIPING



NOTE:  
PIPING AND OTHER EQUIPMENT SHOWN IN PAVED AREAS IS FOR CLARITY ONLY. ALL PIPING SHOULD RUN THRU LANDSCAPED AREAS.

CONSTRUCTION NOTE:  
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180 DETROIT ST.  
CARY, IL. 60013

847-639-6900 - TEL.  
847-639-1832 - FAX.

COMPANY NAME: HRGreen  
 PROJECT CONTACT: J. Strzel  
 CLIENT: HRGreen  
 DATE PLOTTED: 10/23/2014 4:26:56 PM  
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**HRGreen**  
 HRGreen.com  
 Illinois Professional Design Firm  
 # 184-001322

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

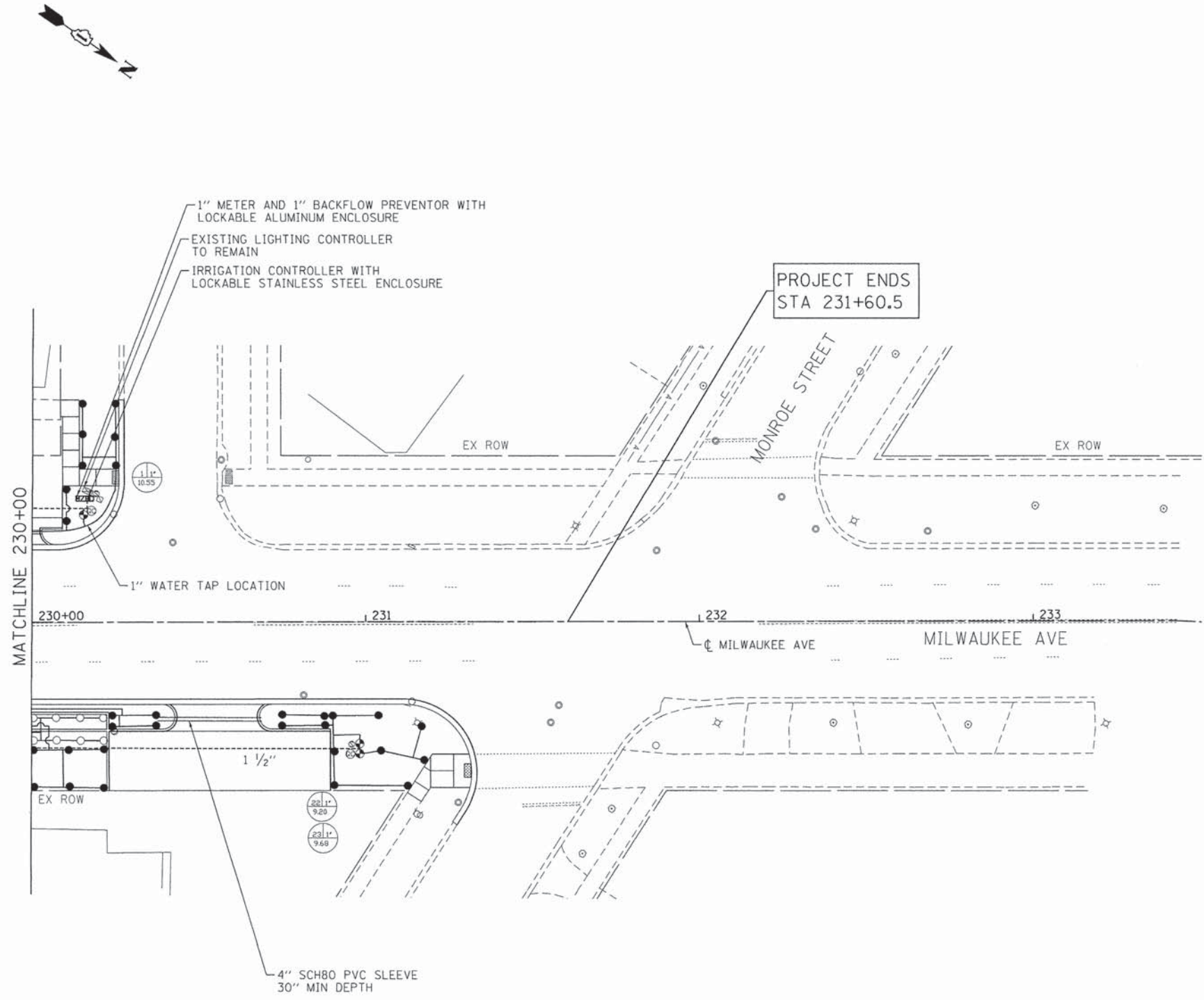
**IRRIGATION PLAN  
MILWAUKEE AVENUE STREETSCAPE**

SCALE: 1"=20'    SHEET NO. 2 OF 3 SHEETS    STA. 224+00 TO STA. 230+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	14
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO.	61A93

**LEGEND**

- 1" PGV SOLENOID VALVE INSTALLED IN VALVE BOX. ONE VALVE INSTALLED IN 10" AMETEK ROUND BOX, THREE VALVES INSTALLED IN A STANDARD BOX
- I-CORE IC-600-PL CONTROLLER WITH A DUAL48M 2-WIRE MODULE INSTALLED INSIDE A STRONG BOX SB-18SS ENCLOSURE. 110-VOLT POWER INTO THE CONTROLLER SHALL BE INCLUDED IN THE COST OF IRRIGATION SYSTEM SPECIAL CONTROL WIRE SHALL BE ID1BLU CABLE WITH A 14-1 WIRE INSTALLED FOR LOCATING. DECODERS SHALL BE DUAL-1 OR DUAL-2 STATION DECODERS.
- DUAL-S, SURGE ARRESTOR. INSTALL WITH GROUND ROD PER MANUFACTURERS RECOMMENDATION.
- WS WSS-SEN SOLAR-SYNC RAIN / WEATHER SENSOR LOCATION TO BE DETERMINED ONSITE
- M/B 1" FEBCO 825Y WITH STRAINER INSTALLED WITH A 1" WATER METER IN A STRONG BOX SBBC-45AL ENCLOSURE. 1" TYPE K METERED WATER SERVICE SHALL BE INCLUDED IN THE COST OF IRRIGATION SYSTEM SPECIAL.
- QC 1" HQ-44RC-AW QUICK COUPLER. INSTALL PER DETAIL AND SUPPLY KEYS AND SWIVELS.
- PROS-04-PRS30 SPRAY HEAD WITH MPR NOZZLE
- PROS-12-PRS30 SPRAY HEAD WITH MPR NOZZLE
- POLYETHYLENE LATERAL PIPING. UNMARKED LINES ARE 1", SIZE REMAINING ACCORDING TO LABELS.
- - - - 1 1/2" PVC MAINLINE PIPING



NOTE:  
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CONSTRUCTION NOTE:  
IRRIGATION DESIGN IS BASED ON A STATIC PRESSURE OF 50 PSI. IN THE EVENT PRESSURE IS LESS, IMMEDIATELY BRING TO THE ATTENTION OF THE ENGINEER PRIOR TO INSTALLATION.

**Irrigation ASSOCIATION**

**CIC** **CLIA** **CID**

**NATURESCAPE DESIGN**

180 DETROIT ST. CARY, IL. 60013 847-639-6900 - TEL. 847-639-1832 - FAX.

COMPANY NAME: HRGreen.com  
PROJECT CONTACT: Illinois Professional Design Firm # 194-001322  
DATE PLOTTED: 10/23/2014 4:27:11 PM  
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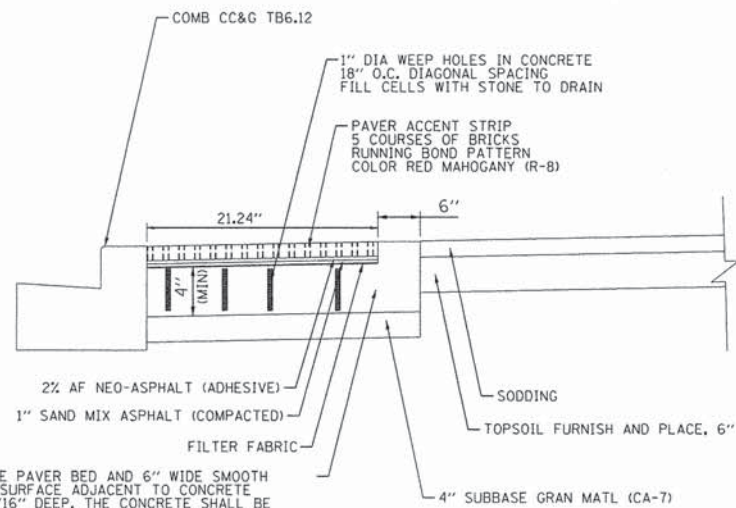
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PLOT DATE = 10/23/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IRRIGATION PLAN  
MILWAUKEE AVENUE STREETSCAPE**

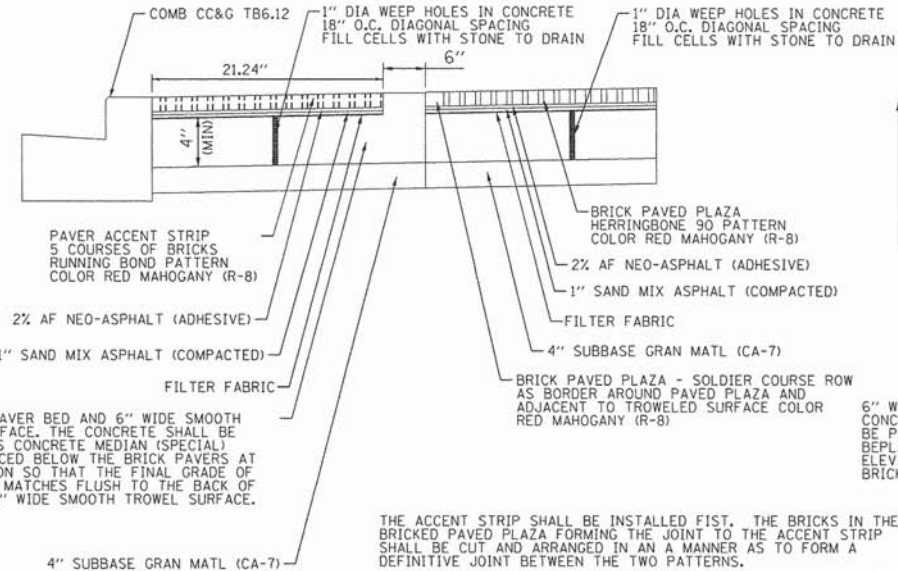
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	15
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	CONTRACT NO. 61A93



CONCRETE PAVER BED AND 6" WIDE SMOOTH TROWEL SURFACE ADJACENT TO CONCRETE EDGE, 3/16" DEEP. THE CONCRETE SHALL BE PAID FOR AS CONCRETE MEDIAN (SPECIAL) AND BE PLACED BELOW THE BRICK PAVERS AT AN ELEVATION SO THAT THE FINAL GRADE OF THE BRICKS MATCHES FLUSH TO THE BACK OF CURB.

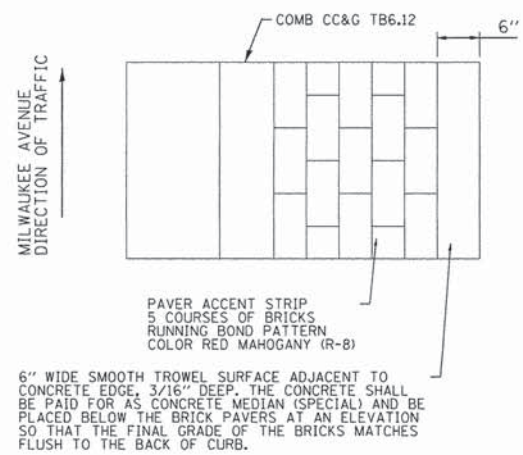
**BRICK PAVER BANDING  
INSTALLED ADJACENT TO TOPSOIL**  
N.T.S.



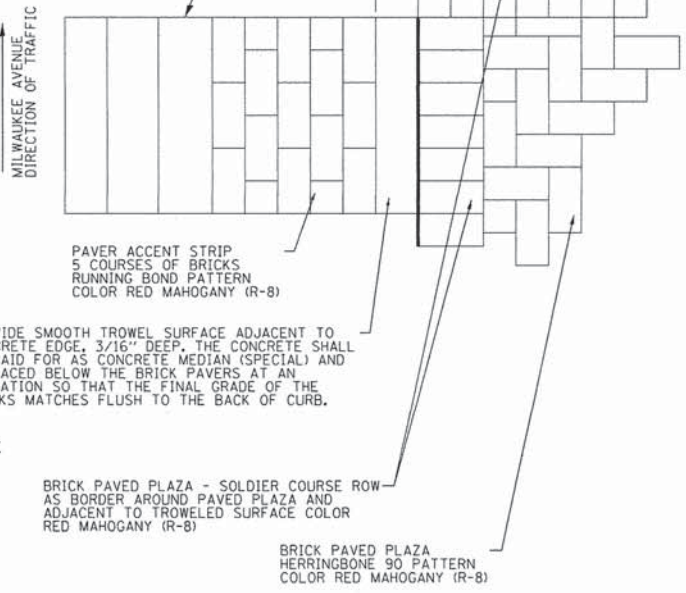
CONCRETE PAVER BED AND 6" WIDE SMOOTH TROWEL SURFACE. THE CONCRETE SHALL BE PAID FOR AS CONCRETE MEDIAN (SPECIAL) AND BE PLACED BELOW THE BRICK PAVERS AT AN ELEVATION SO THAT THE FINAL GRADE OF THE BRICKS MATCHES FLUSH TO THE BACK OF CURB AND 6" WIDE SMOOTH TROWEL SURFACE.

THE ACCENT STRIP SHALL BE INSTALLED FIRST. THE BRICKS IN THE BRICKED PAVED PLAZA FORMING THE JOINT TO THE ACCENT STRIP SHALL BE CUT AND ARRANGED IN A MANNER AS TO FORM A DEFINITIVE JOINT BETWEEN THE TWO PATTERNS.

**BRICK PAVER BANDING AND BRICK PAVED PLAZA INSTALLATION**  
N.T.S.



6" WIDE SMOOTH TROWEL SURFACE ADJACENT TO CONCRETE EDGE, 3/16" DEEP. THE CONCRETE SHALL BE PAID FOR AS CONCRETE MEDIAN (SPECIAL) AND BE PLACED BELOW THE BRICK PAVERS AT AN ELEVATION SO THAT THE FINAL GRADE OF THE BRICKS MATCHES FLUSH TO THE BACK OF CURB.



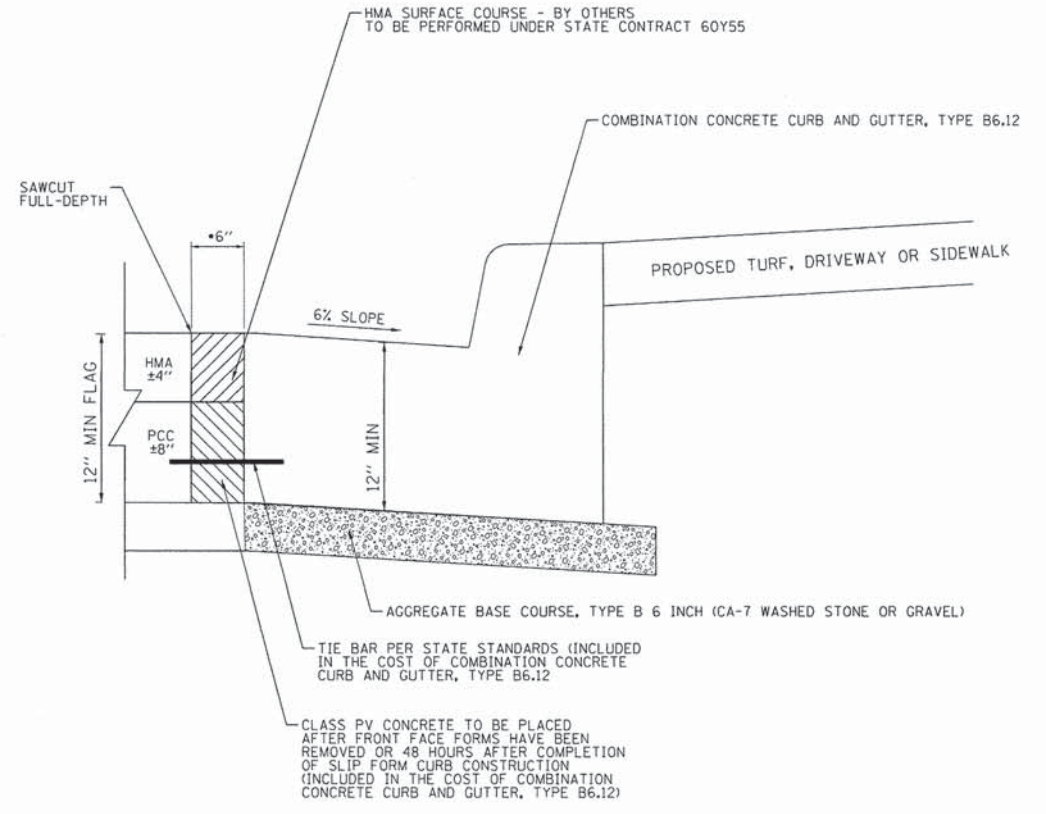
6" WIDE SMOOTH TROWEL SURFACE ADJACENT TO CONCRETE EDGE, 3/16" DEEP. THE CONCRETE SHALL BE PAID FOR AS CONCRETE MEDIAN (SPECIAL) AND BE PLACED BELOW THE BRICK PAVERS AT AN ELEVATION SO THAT THE FINAL GRADE OF THE BRICKS MATCHES FLUSH TO THE BACK OF CURB.

BRICK PAVED PLAZA - SOLDIER COURSE ROW AS BORDER AROUND PAVED PLAZA AND ADJACENT TO TROWELED SURFACE COLOR RED MAHOGANY (R-8)

BRICK PAVED PLAZA HERRINGBONE 90 PATTERN COLOR RED MAHOGANY (R-8)

**INSTALLATION NOTES**

- BRICK DIMENSIONS 8.40" X 4.19" X 2.38" (PAVELOC PAVERS)
- PAVERS SHALL BE INSTALLED ON TOP OF THE SAND MIX/NEO-ASPHALT (ADHESIVE), INSTALLING ALL FULL STONES POSSIBLE FIRST. SMALL CUT PIECES WILL THEN BE INSTALLED.
- CONTRACTOR SHALL COMPACT PAVING STONES INTO THE SAND MIX/NEO-ASPHALT (ADHESIVE) COURSE WITH A MECHANICAL PLATE COMPACTOR WITH A FORCE OF 2500-3500 LBS.
- POLYMERIC SAND IS THEN SWEEPED INTO THE JOINTS AND VIBRATED UNTIL THE JOINT ARE FULL.
- THE PAVERS SHALL BE PLACED ACCORDING TO MANUFACTURER SPECIFICATIONS AND INTERLOCKING CONCRETE PAVEMENT INSTITUTE SPECIFICATIONS.



**\*NOTE**

SAWCUT AND PAVEMENT REMOVAL 6" MAXIMUM WIDTH (INCLUDED IN THE COST OF COMBINATION CURB AND GUTTER REMOVAL)

**\*CONSTRUCTION NOTE**

IF THE CONDITION OF THE EXISTING PAVEMENT TO REMAIN IS DETERIORATED TO THE EXTENT THAT DRILLING FOR INSTALLATION OF TIE BARS IS NOT FEASIBLE, THEN TIE BARS MAY BE OMITTED FOR THAT LOCATION.

**COMBINATION CONCRETE CURB AND GUTTER, TYPE B6.12**

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PLOT SCALE = NTS	DRAWN - WH	REVISED -
PLOT DATE = 10/23/2014	CHECKED - AC	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE DETAILS  
MILWAUKEE AVENUE STREETSCAPE**

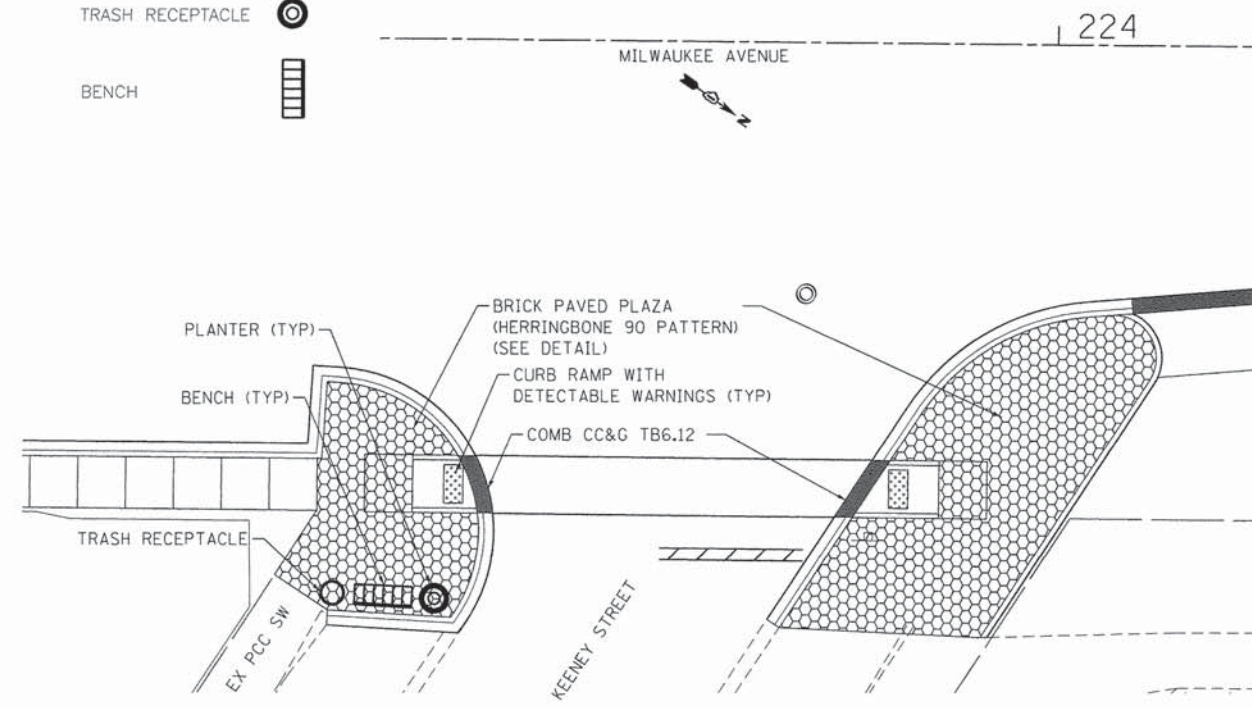
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	16
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 61A93

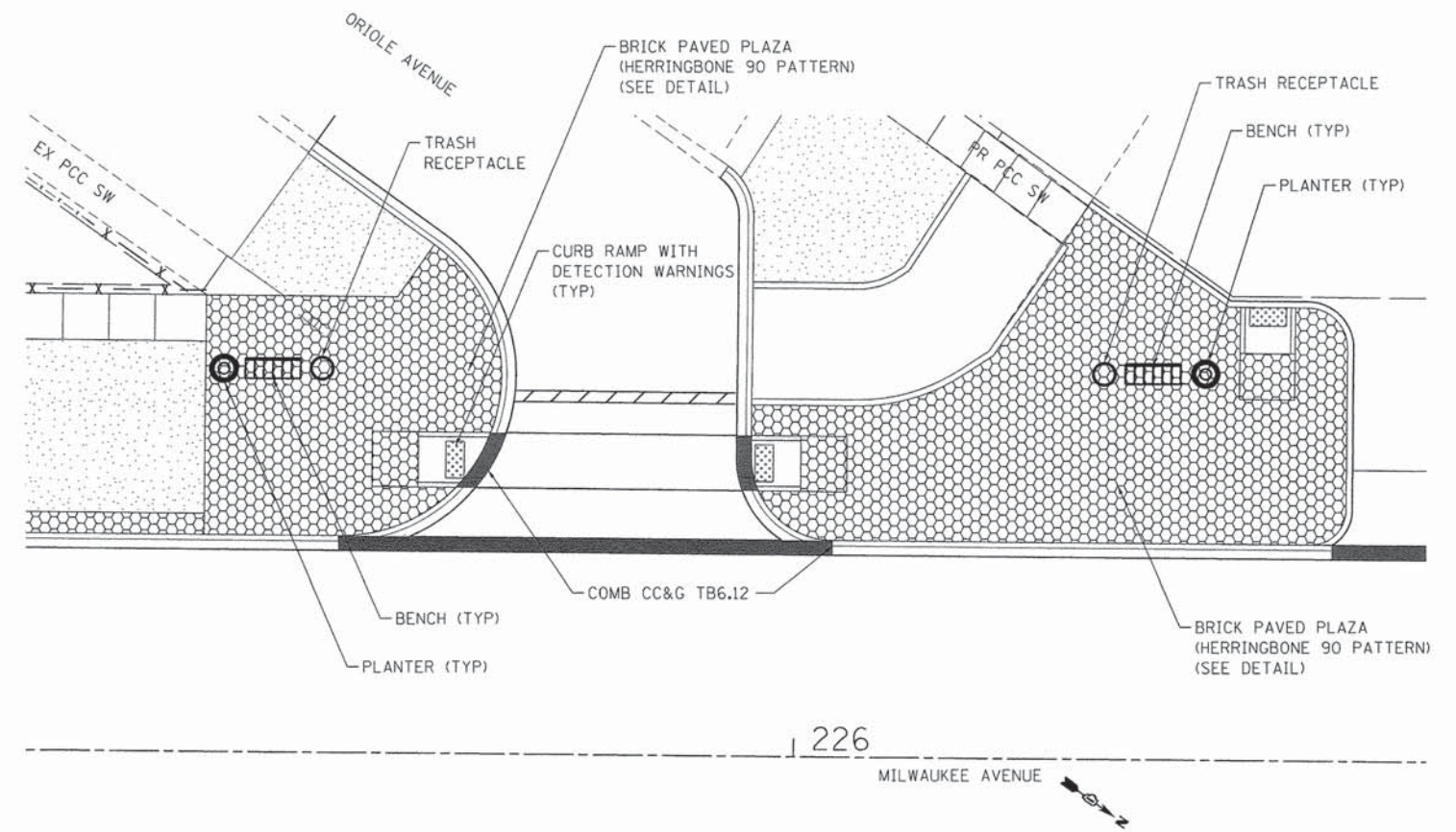


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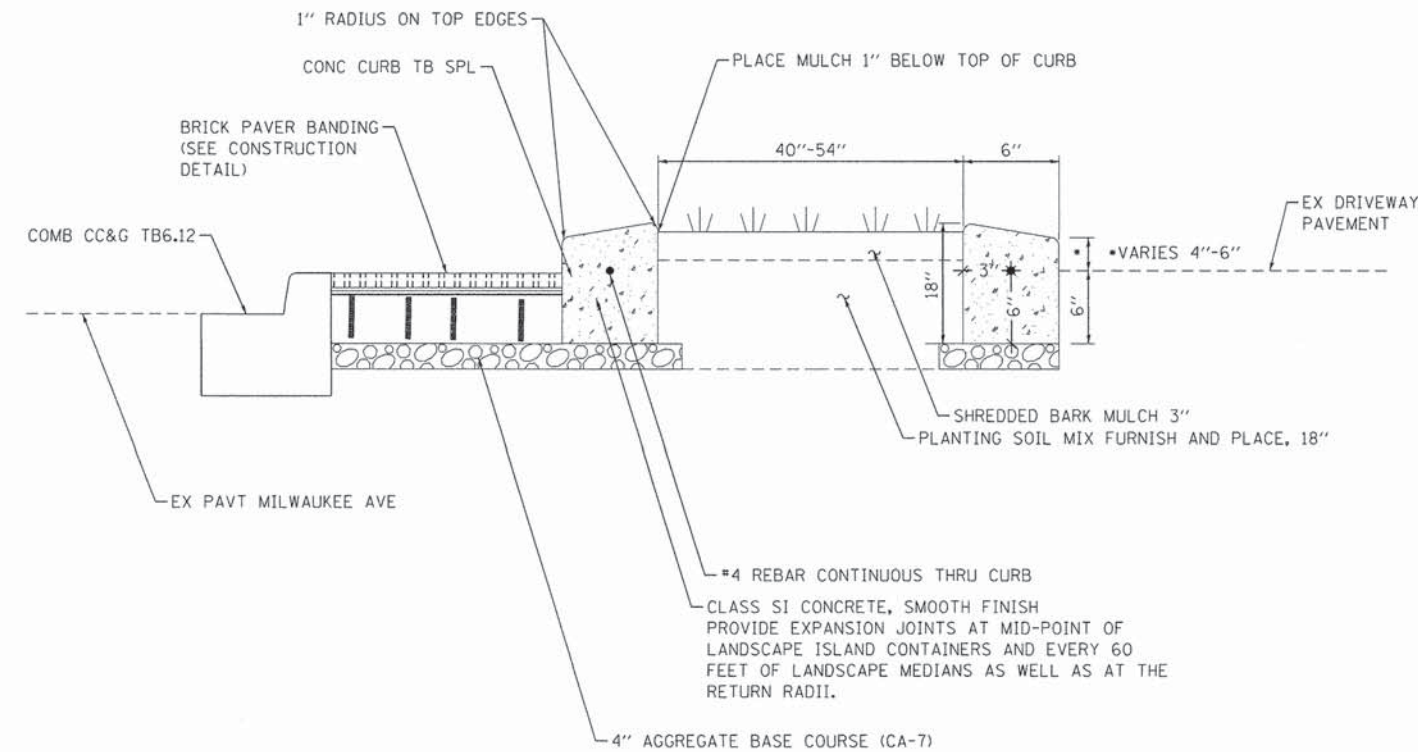
- PLANTER ○
- TRASH RECEPTACLE ⊙
- BENCH ▤



PLAZA 1 - MILWAUKEE AVE (STA 223+50)  
1" = 10'



PLAZA 2 - MILWAUKEE AVE (STA 226+00)  
1" = 10'



LANDSCAPED ISLAND TYPICAL SECTION  
NOT TO SCALE

**LANDSCAPE GENERAL NOTES**

1. THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL PLANT MATERIAL WITH THE INSTALLATION OF OTHER IMPROVEMENTS SUCH AS HARDSCAPE ELEMENTS AND RELATED STRUCTURES. ANY DAMAGE TO EXISTING IMPROVEMENTS IS THE RESPONSIBILITY OF THE CONTRACTOR.
2. ALL AREAS SHALL POSITIVELY DRAIN AND ALL ISLANDS SHALL BE CROWNED 1" IN HEIGHT PER 1' IN ISLAND WIDTH.
3. THE CONTRACTOR SHALL STAKE ALL TREE LOCATIONS AND THE PERIMETER OF SHRUB/PERENNIAL BEDS PRIOR TO INSTALLATION AND CONTACT THE RESIDENT ENGINEER FOR APPROVAL. FINAL LOCATION AND STAKING OF ALL PLANT MATERIALS SHALL BE APPROVED BY THE RESIDENT ENGINEER IN ADVANCE OF PLANTING. IF CONFLICTS ARISE BETWEEN THE SIZE OF AREAS AND PLANS, THE CONTRACTOR IS REQUIRED TO CONTACT THE RESIDENT ENGINEER FOR RESOLUTION PRIOR TO INSTALLATION.
4. WHERE PROVIDED, AREA TAKEOFFS AND PLANT QUANTITY ESTIMATES IN THE PLANT LIST ARE FOR INFORMATION ONLY. THE CONTRACTOR IS RESPONSIBLE TO DO THEIR OWN QUANTITY TAKE-OFFS FOR ALL PLANT MATERIALS AND SIZES SHOWN ON PLANS.
5. ALL PLANTS SHALL BE NURSERY GROWN PLANTS MEETING AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANLA) STANDARDS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1-2004). PLANTS ARE TO BE TYPICAL IN SHAPE AND SIZE FOR SPECIES. PLANTS PLANTED IN ROWS OR GROUPS SHALL BE MATCHED IN FORM. PLANTS SHALL NOT BE ROOT-BOUND OR LOOSE IN THEIR CONTAINERS. HANDLE ALL PLANTS WITH CARE IN TRANSPORTING, PLANTING AND MAINTENANCE UNTIL INSPECTION AND FINAL ACCEPTANCE.
6. PROVIDE STRONGLY ROOTED SOD, NOT LESS THAN 2 YEARS OLD AND FREE OF WEEDS AND UNDESIRABLE NATIVE GRASSES. PROVIDE ONLY SOD CAPABLE OF GROWTH AND DEVELOPMENT WHEN PLANTED (VIABLE, NOT DORMANT).
7. THE FIRST ROW OF TURFGRASS SOD SHALL BE LAID IN A STRAIGHT LINE, WITH SUBSEQUENT ROWS PLACED PARALLEL TO AND TIGHTLY AGAINST EACH OTHER. LATERAL JOINTS SHALL BE STAGGERED TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. CARE SHALL BE EXERCISED TO INSURE THAT THE PIECES ARE NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHTLY TO PREVENT VOIDS THAT WOULD CAUSE AIR DRYING OF THE ROOTS. EDGES SHOULD BE PINNED TO AVOID THE EDGES OF SOD FROM CURLING ALONG PAVEMENT AREAS.
8. THE INSTALLATION CONTRACTOR SHALL WATER THE TURF GRASS SOD IMMEDIATELY AFTER TRANSPLANTING TO PREVENT EXCESSIVE DRYING DURING PROGRESS OF THE WORK. AS SODDING IS COMPLETED IN ANY ONE SECTION, THE ENTIRE AREA SHALL BE LIGHTLY ROLLED. IT SHALL THEN BE THOROUGHLY WATERED TO A DEPTH SUFFICIENT THAT THE UNDERSIDE OF THE NEW SOD PAD AND SOIL IMMEDIATELY BELOW THE PAD ARE THOROUGHLY WET. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING ADEQUATE WATER AVAILABLE AT THE SITE PRIOR TO AND DURING INSTALLATION.
9. MOWING, TRIMMING AND REMOVAL OF GRASS CLIPPINGS IN TURF AREAS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTANCE OF THE TURF. DURING THIS TIME, CONTRACTOR SHALL MOW TURF AREAS AT REGULAR INTERVALS TO MAINTAIN AT A MAXIMUM HEIGHT OF 2-1/2 INCHES. DO NOT CUT MORE THAN 1/3 OF GRASS BLADE AT ANY ONE MOWING. CONTRACTOR SHALL ALSO NEATLY TRIM EDGES WHERE NECESSARY AND REMOVE CLIPPINGS AFTER MOWING AND TRIMMING.

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
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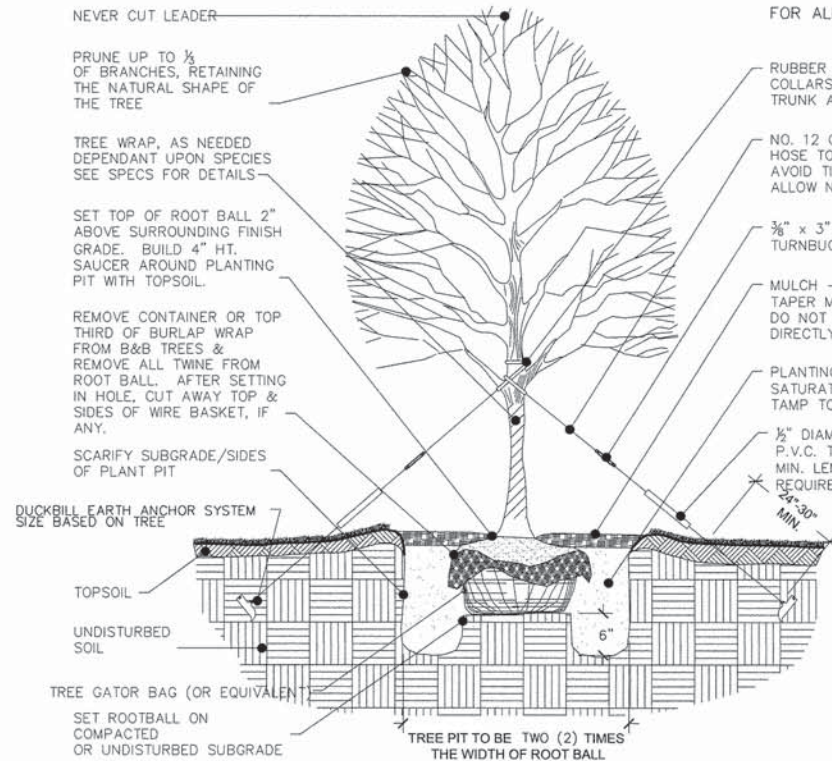
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LANDSCAPE DETAILS  
MILWAUKEE AVENUE STREETScape

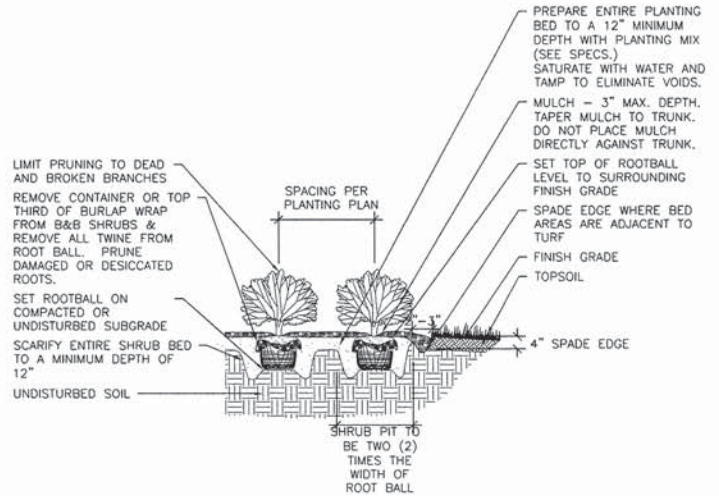
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	17
CONTRACT NO.			61A93	

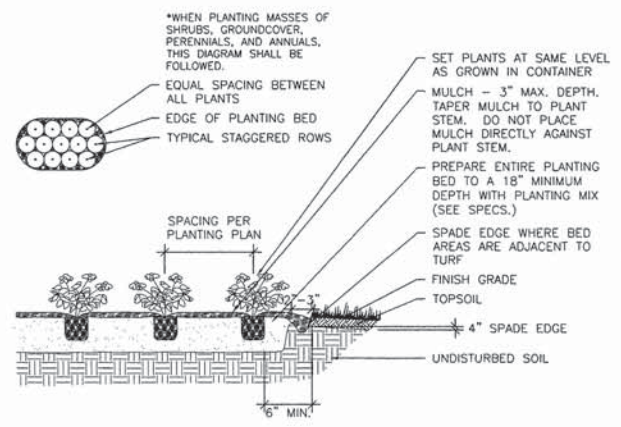
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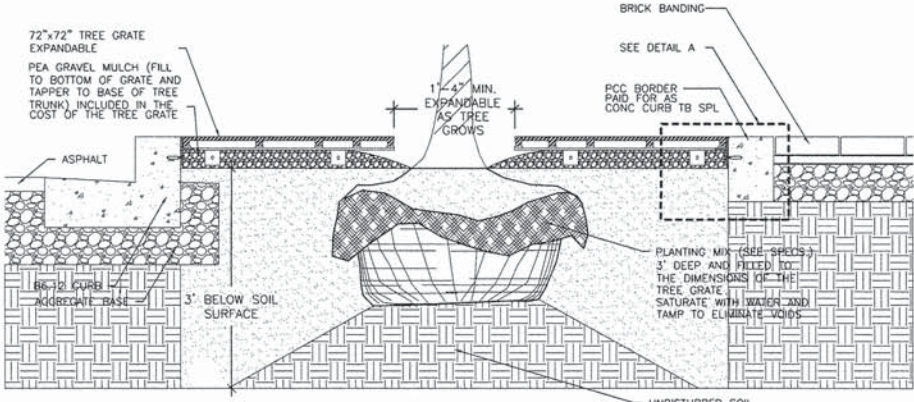
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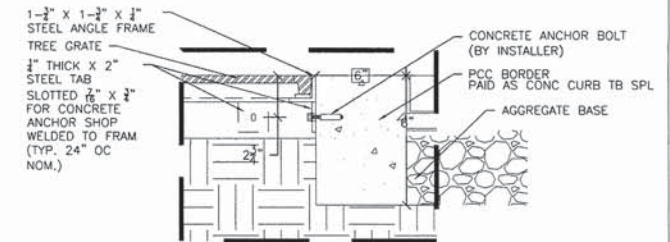
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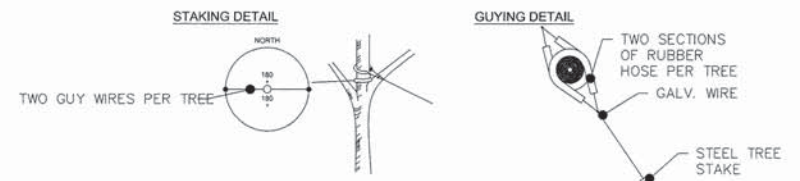
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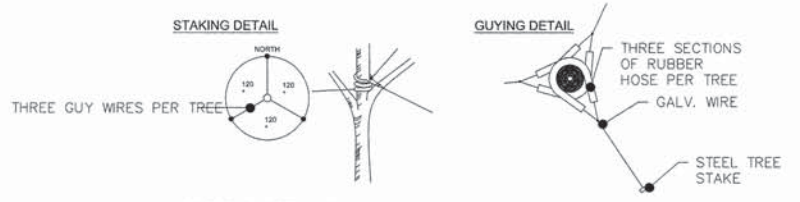
**TREE GRATE / TREE PLANTING DETAIL**  
NOT TO SCALE



**DETAIL A**  
NOT TO SCALE



\*APPLIES TO SINGLE TRUNK DECIDUOUS TREES 3" CAL. AND LESS & EVERGREEN TREES 8' HT. AND LESS & ALL MULTI-STEM TREES



\*APPLIES TO SINGLE TRUNK DECIDUOUS TREES GREATER THAN 3" CAL. & EVERGREEN TREES GREATER THAN 8' HT.

**TREE GUYING DETAIL**  
NOT TO SCALE

REFER TO TYPICAL TREE PLANTING DETAIL FOR OTHER NOTES

COMPANY NAME: HRGreen  
PROJECT CONTACT: 10/23/2014 4:26:00 PM  
CLIENT: 86130147-10p01-04.dgn  
DATE PLOTTED: 10/23/2014 4:26:00 PM  
FILE NAME: 16130147-10p01-04.dgn  
PLOT DRIVER: pdf24r  
REV TABLE: 01/10/2014 10:00:00 AM



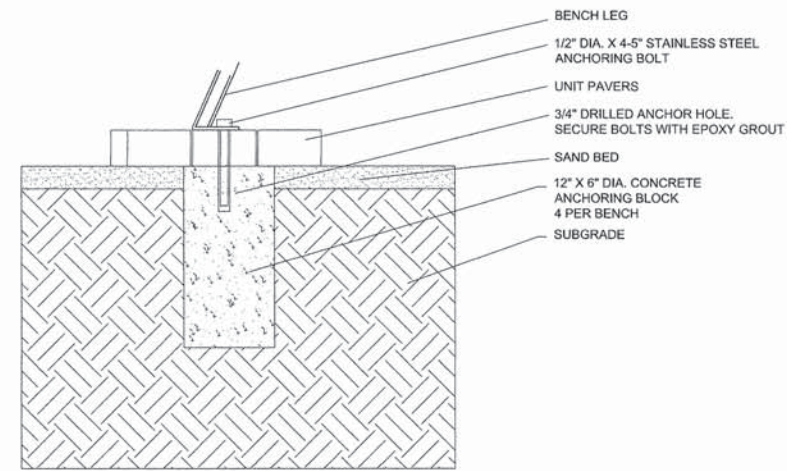
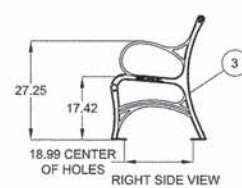
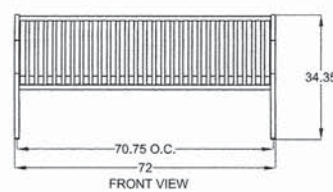
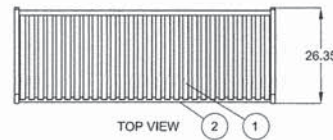
USER NAME = jstrzel	DESIGNED - JJS	REVISED -
DRAWN - WH	CHECKED - AC	DATE -
PLOT SCALE = NTS	PLOT DATE = 10/23/2014	

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

**LANDSCAPE DETAILS**  
**MILWAUKEE AVENUE STREETSCAPE**

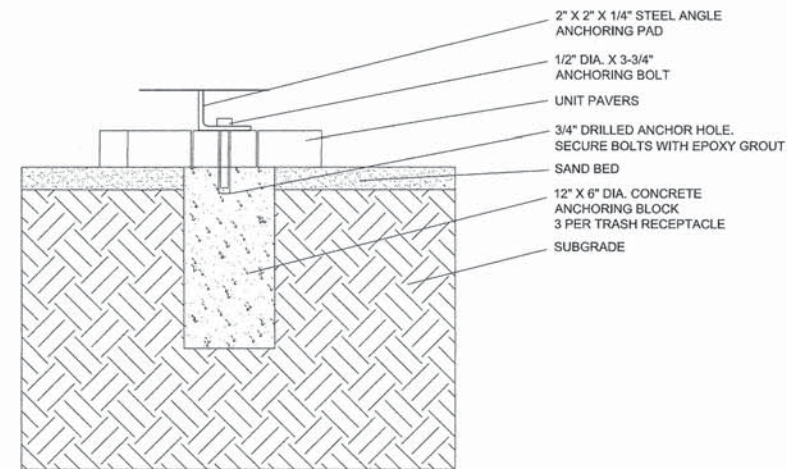
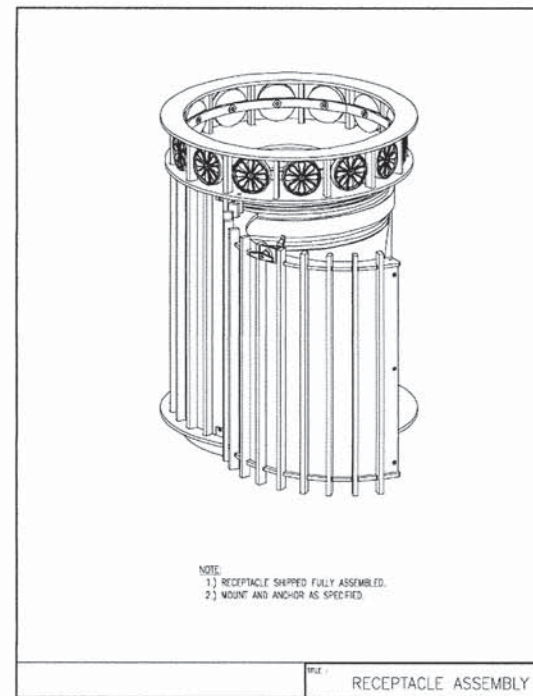
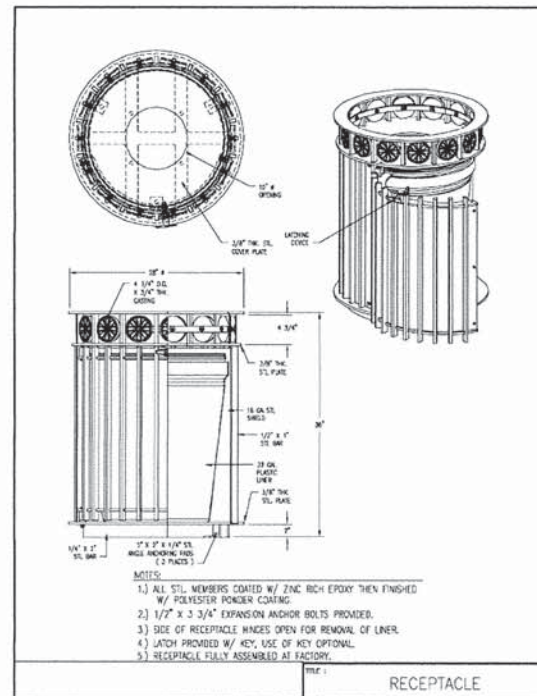
SCALE: NTS SHEET NO. 3 OF 6 SHEETS STA. NA TO STA. NA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	18
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61A93	



MANUFACTURER: SITESCAPES  
 PRODUCT: Cityview Cast End Backed Bench CV1-1010DF  
 COLOR: Onyx  
 LENGTH: 6'-0"  
 FINISH: Duracoat  
 MATERIAL LIST:  
 1. Seat straps - 5/16" x 1 1/2" steel flat bar.  
 2. Support pipes - Ø 1.315" x .133" steel pipe.  
 3. End units - 1 1/4" cast iron with 9/16" mounting holes.  
 4. Mounted with four Ø 1/2" x 4-5" stainless steel anchor bolts (customer supplied).

**BENCH DETAIL**  
 NOT TO SCALE



MANUFACTURER: DuMor, Inc.  
 PRODUCT: Receptacle 102-32SH-FTO  
 COLOR: Black  
 SIZE: 32 Gallon  
 FINISH: Powder Coat

**BENCH AND TRASH RECEPTACLE ANCHOR DETAIL**  
 NOT TO SCALE

**TRASH RECEPTACLE DETAIL**  
 NOT TO SCALE

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen  
 DATE PLOTTED: 10/23/2014 4:28:13 PM  
 FILE NAME: 8632047-10001-05.dgn  
 PLOTTER: HP DesignJet 5000-600  
 PEN TABLE: Standard-Trans-SCREEN-1000.tbl



USER NAME = jstrzol	DESIGNED - JJS	REVISED -
PLOT SCALE = NTS	DRAWN - WH	REVISED -
PLOT DATE = 10/23/2014	CHECKED - AC	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

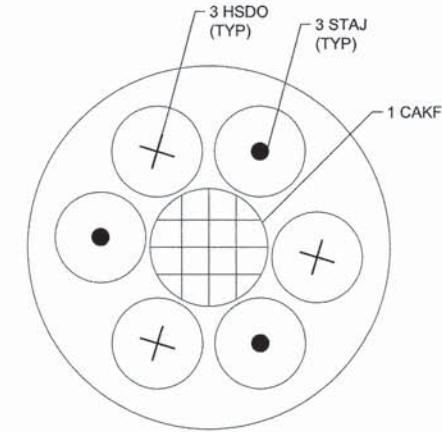
<b>LANDSCAPE DETAILS MILWAUKEE AVENUE STREETSCAPE</b>	
SCALE: NTS	SHEET NO. 4 OF 6 SHEETS STA. NA TO STA. NA

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	19
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61A93	

PLANT LIST - PLANTER CONTAINER

KEY	COMMON NAME	BOTANICAL NAME
CAKF	Feather Reed Grass	Calamagrostis acutiflora 'Karl Foerster'
STAJ	Sedum-Autumn Joy	Sedum telephium 'Autumn Joy'
HSDO	Daylily	Hemerocallis 'Stella de Oro'

NOTE:  
FURNISHING AND INSTALLING PLANTS IN PLANT BED IS INCLUDED IN THE COST OF PLANTER



PLANTER DETAIL - PLAN VIEW

NOT TO SCALE



MANUFACTURER: Custom Design Precast

PRODUCT: CDP3046

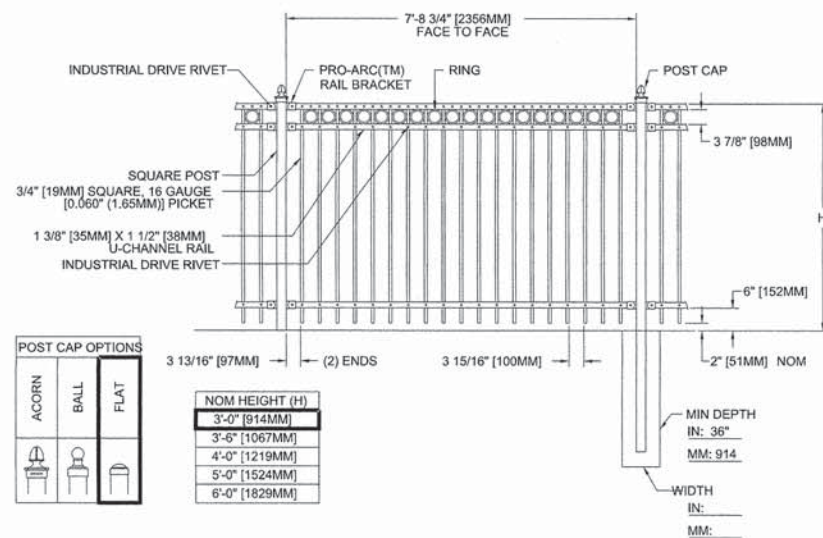
COLOR: Autumn Brown

SIZE: 36" Dia. x 24" H

FINISH: NaturaStone

PLANTER DETAIL - PROFILE VIEW

NOT TO SCALE



MANUFACTURER: MASTER HALCO  
PRODUCT: COLONIAL ALUMINUM  
Nom 8" Section Length - 3/4" PLUS

COLOR: Black

HEIGHT: 3'-0"

POST: Flat

MATERIAL: ALUMINUM

FINISH: Powder Coat

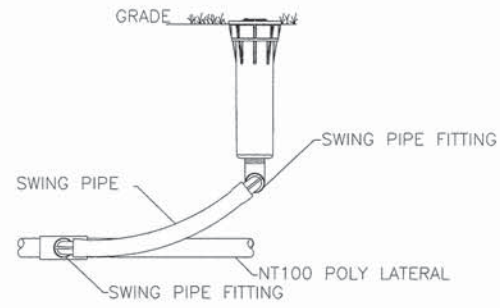
- NOTES:
- Metric dimensions are nominal equivalents to U.S. dimensions.
  - Footing width to be (4)x post width.
  - See panel & post selection sheet for available post sizes.
  - For installation on concrete see post detail.

ORNAMENTAL FENCE, ALUMINUM  
TYPICAL DETAIL

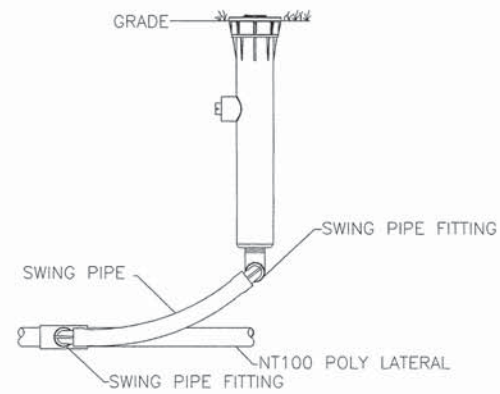
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COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen  
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 PLOT NUMBER: 06130147-130061-06.dgn  
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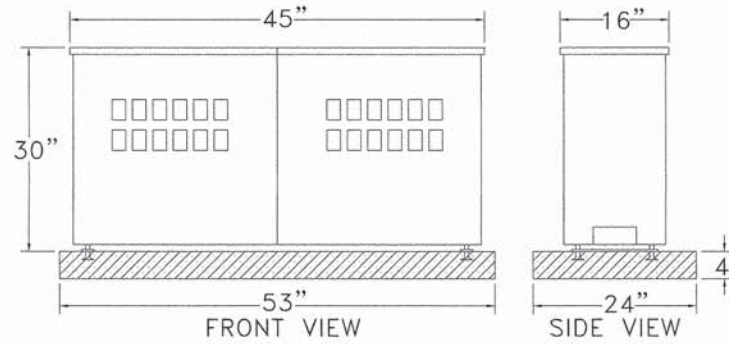
HRGreen.com Illinois Professional Design Firm # 194-001322	USER NAME = jstrzel DESIGNED - JJS DRAWN - WH CHECKED - AC DATE = 10/23/2014	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>LANDSCAPE DETAILS</b> <b>MILWAUKEE AVENUE STREETScape</b>		F.A. RTE. = 374 SECTION = 13-00117-00-LS COUNTY = COOK TOTAL SHEETS = 31 SHEET NO. = 20
	PLOT SCALE = NTS PLOT DATE = 10/23/2014	SCALE: NTS SHEET NO. 5 OF 6 SHEETS STA. NA TO STA. NA		CONTRACT NO. 61A93 FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		



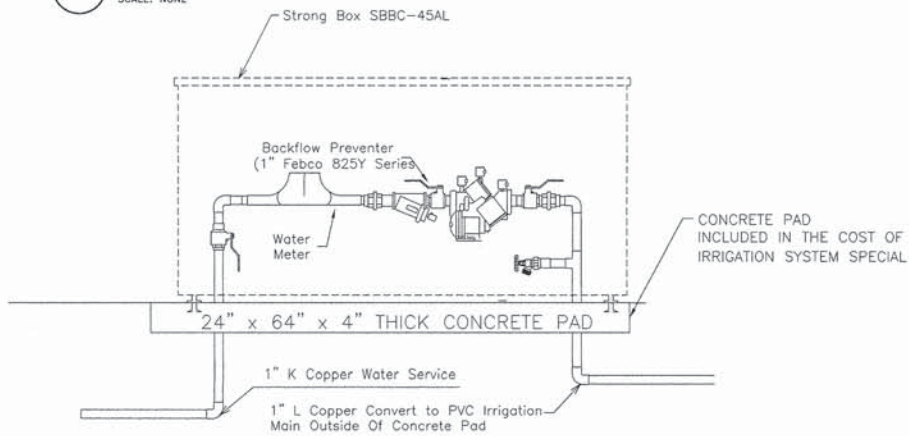
**A** PROS-04-PRS30 4" SPRAY HEAD  
SCALE: NONE



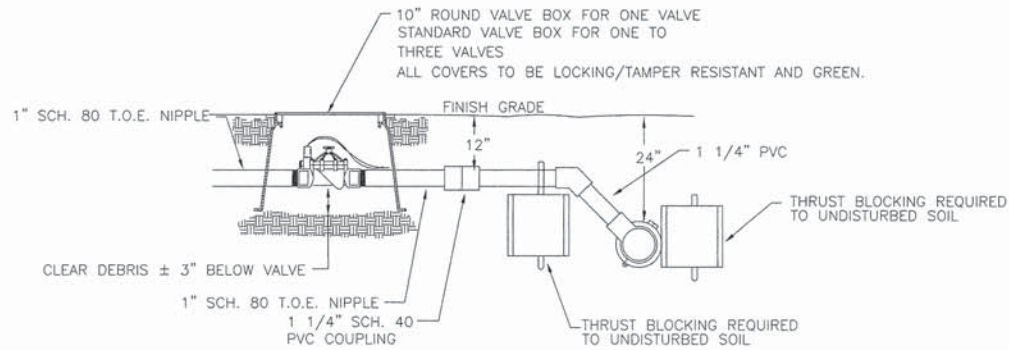
**C** PROS-12-PRS30 12" SPRAY HEAD  
SCALE: NONE



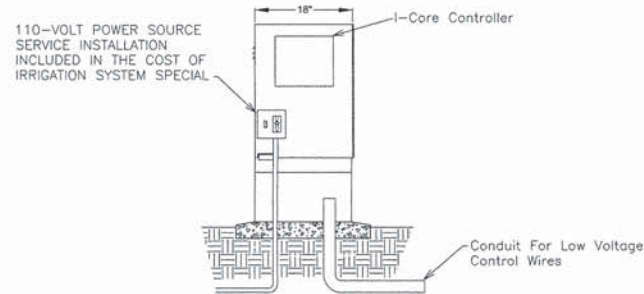
**B** STRONG BOX  
SCALE: NONE



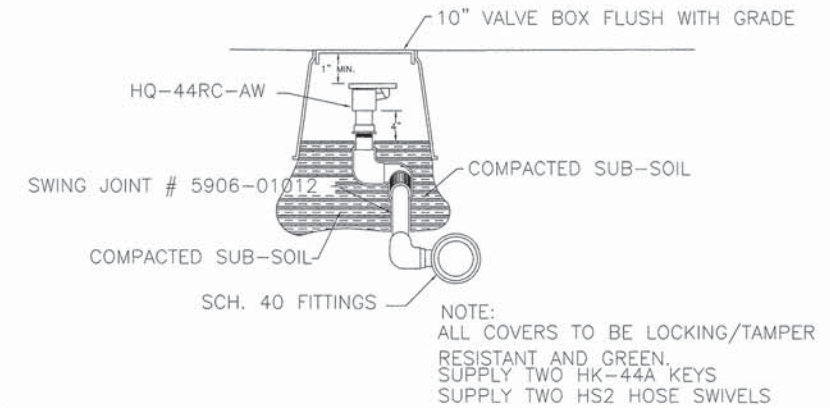
**D** 1" METER AND RPZ INSTALLED IN ENCLOSURE  
SCALE: NONE



**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

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322  
 DATE PLOTTED: 10/23/2014 02:28:44 PM  
 FILE NAME: 86130147-130017-01.dgn  
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 PLOT DATE: 10/23/2014

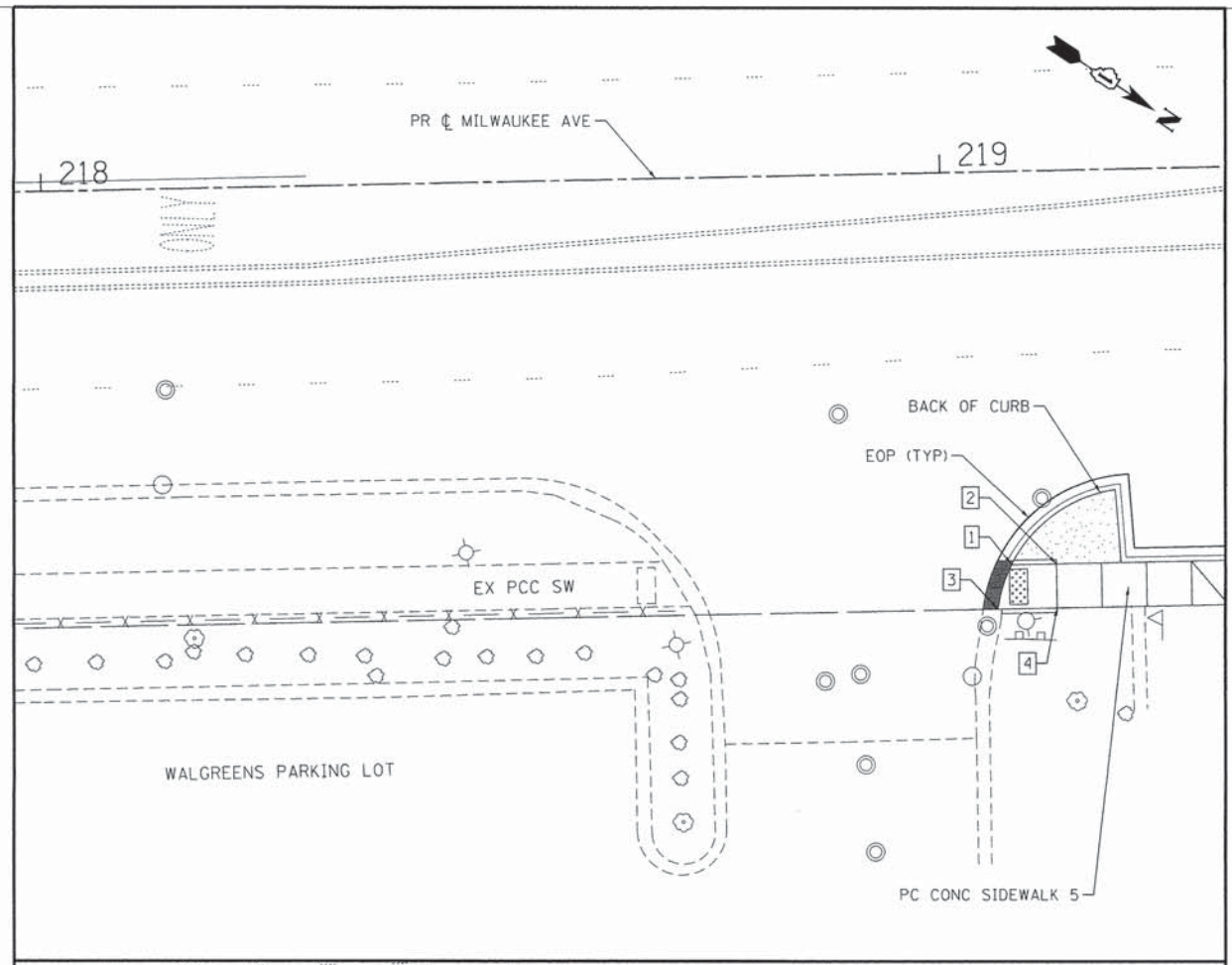


USER NAME = jstrzel	DESIGNED - JJS	REVISED -
DRAWN - WH	CHECKED - AC	DATE -
PLOT SCALE = NTS		
PLOT DATE = 10/23/2014		

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

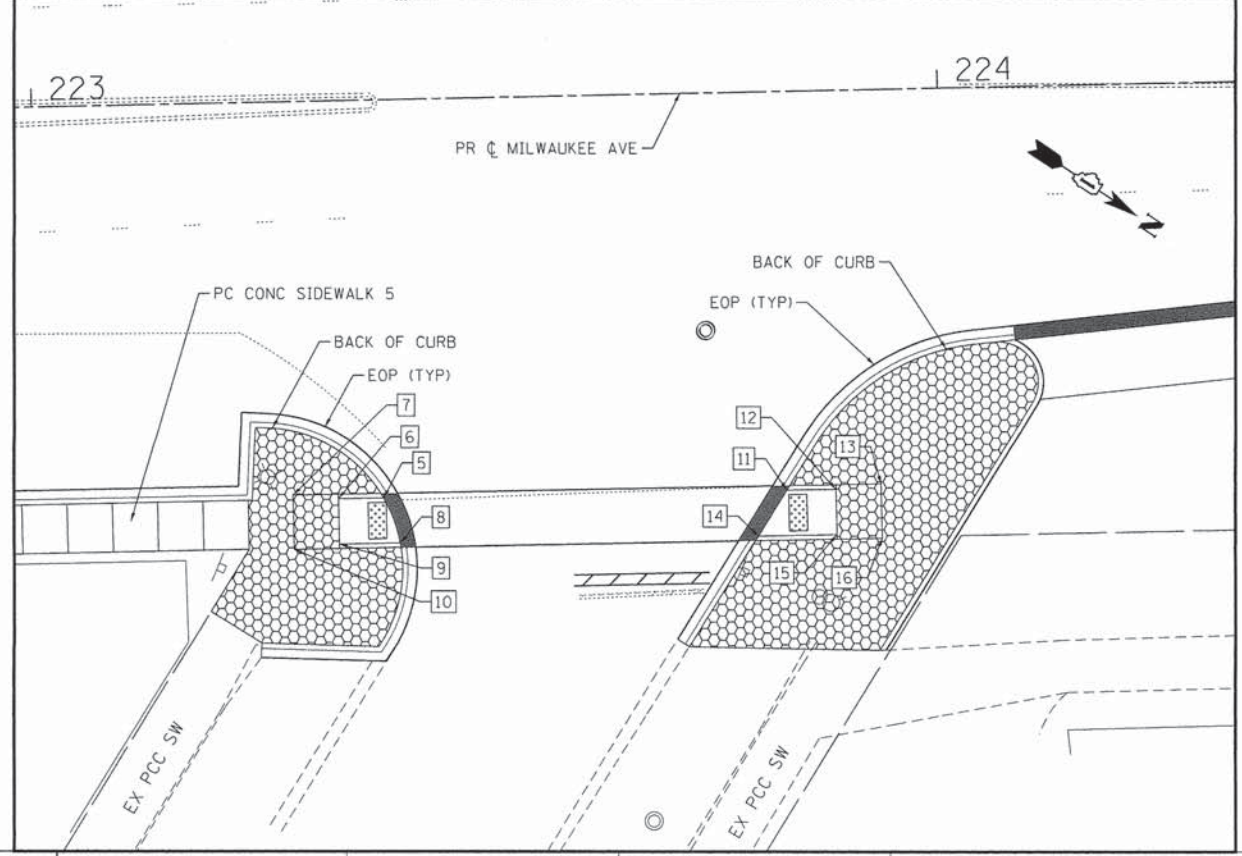
SCALE: NTS		SHEET NO. 6 OF 6 SHEETS		STA. NA TO STA. NA	
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	21
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A93	



SIDEWALK POINT #	ELEVATION (FT)
1	649.15
2	649.35
3	649.10
4	649.35
5	647.25
6	647.45
7	647.47
8	647.20
9	647.45
10	647.47
11	647.10
12	647.32
13	647.37
14	647.10
15	647.32
16	647.37

NOTE:  
FOR CURB ELEVATIONS SEE ELEVATION AND LANDSCAPE PLAN.



**LEGEND**

- POINT
- DETECTABLE WARNINGS
- CURB DEPRESSION

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: Illinois Professional Design Firm  
 CLIENT: # 194-001322  
 DATE PLOTTED: 10/23/2014 4:26:58 PM  
 FILE NAME: 6130147-det-sw-01.dgn  
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 PEN TABLE: Standard-Trans-Screen-100a.tbl



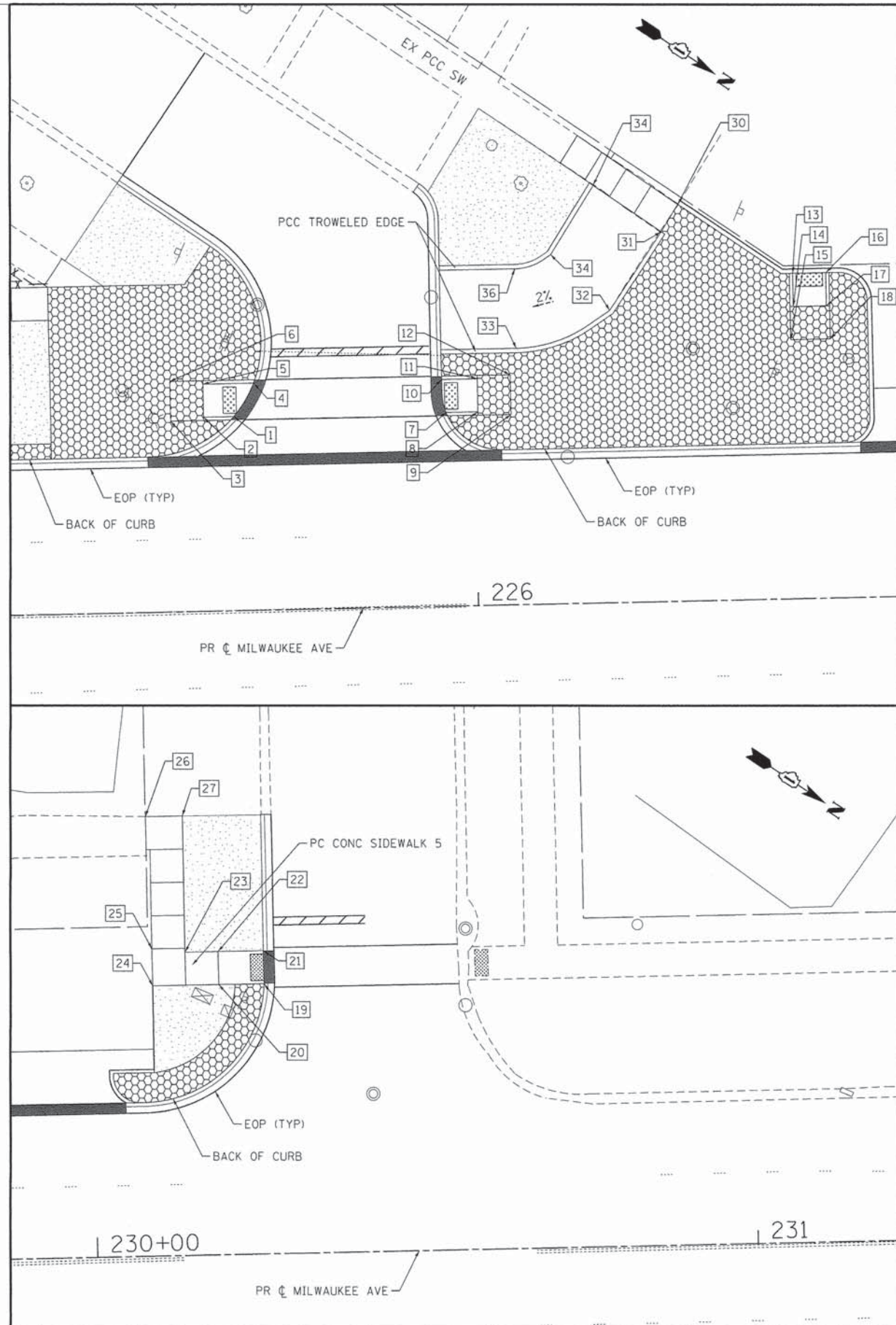
USER NAME = jstrzel	DESIGNED - JJS	REVISED -
	DRAWN - DMS	REVISED -
PLOT SCALE = 1"=10'	CHECKED - AC	REVISED -
PLOT DATE = 10/23/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS  
MILWAUKEE AVENUE STREETSCAPE**

SCALE: 1"=10'    SHEET NO. 1 OF 3 SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-L5	COOK	31	22
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61A93	



SIDEWALK POINT #	ELEVATION (FT)
1	647.37
2	647.60
3	647.65
4	647.40
5	647.65
6	647.67
7	647.17
8	647.40
9	647.40
10	647.20
11	647.40
12	647.40
13	647.54
14	647.76
15	647.76
16	647.54
17	647.76
18	647.76
19	648.20
20	648.54
21	648.25
22	648.54
23	648.59
24	648.69
25	648.69
26	649.52
27	649.42
30	648.09
31	648.01
32	647.73
33	647.42
34	648.25
35	648.00
36	647.88

NOTE:  
FOR CURB ELEVATIONS SEE ELEVATION AND LANDSCAPE PLAN.

**LEGEND**

- POINT
- DETECTABLE WARNINGS
- CURB DEPRESSION

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322  
 DATE PLOTTED: 10/23/2014 4:02:50 PM  
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 PLOT DATE: 10/23/2014  
 PLOT SCALE: 1"=10'  
 USER NAME: jstrzal



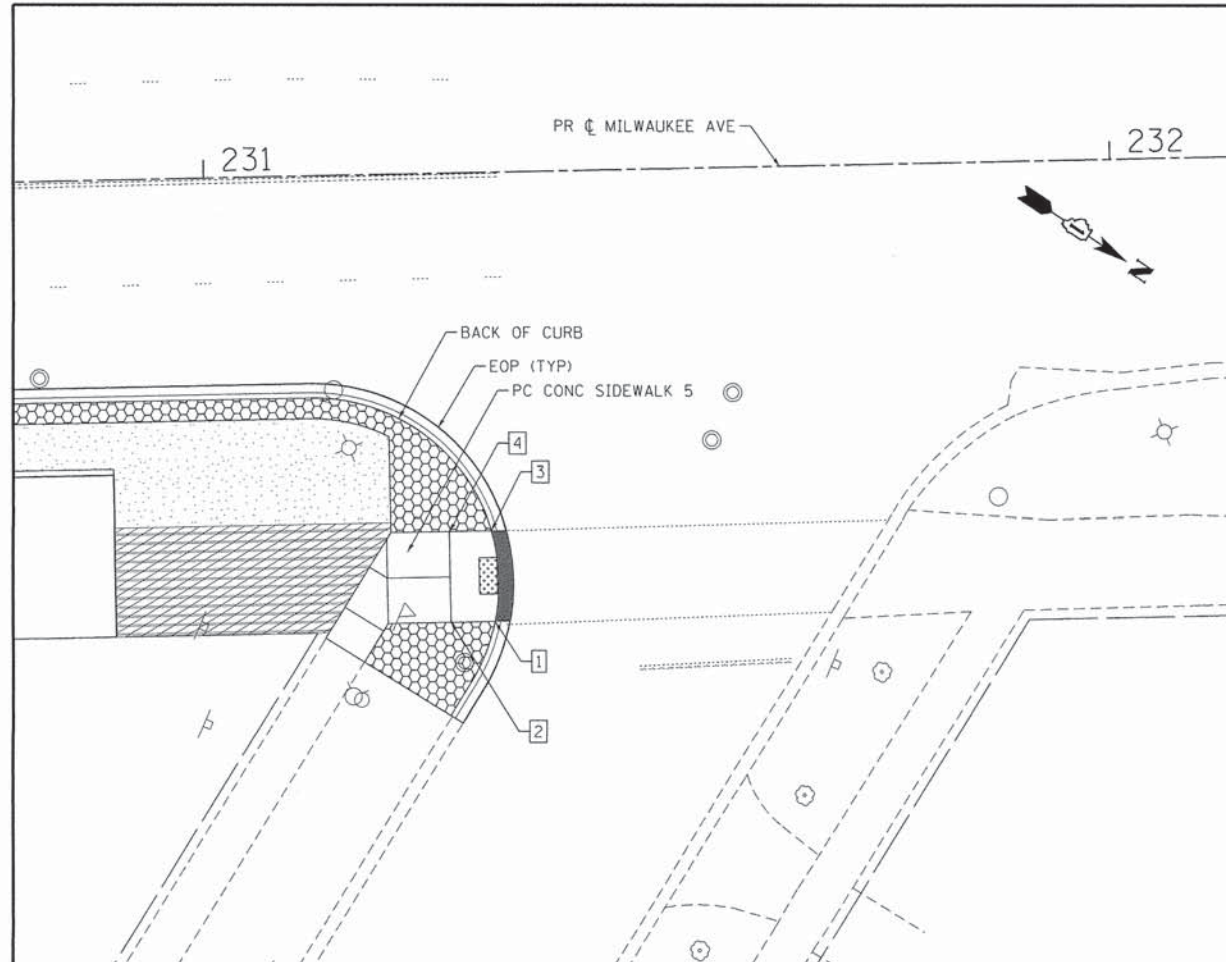
DESIGNED - JJS	REVISED -
DRAWN - DMS	REVISED -
CHECKED - AC	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS  
MILWAUKEE AVENUE STREETSCAPE**

SCALE: 1"=10'    SHEET NO. 2 OF 3 SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	23
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 61A93	



SIDEWALK POINT #	ELEVATION (FT)
1	647.90
2	648.00
3	647.85
4	647.95

NOTE:  
FOR CURB ELEVATIONS SEE ELEVATION AND LANDSCAPE PLAN.

**LEGEND**

- # POINT
- [Patterned Box] DETECTABLE WARNINGS
- [Solid Black Box] CURB DEPRESSION

COMPANY NAME: HRGreen  
 PROJECT CONTACT: [Name]  
 DATE PLOTTED: 10/23/2014 02:26:25 PM  
 CLIENT: [Name]  
 PLOT DRIVER: [Name]  
 PEN TABLE: [Name]

	USER NAME = jst-zel PLOT SCALE = 1"=10' PLOT DATE = 10/23/2014	DESIGNED - JJS DRAWN - DMS CHECKED - AC DATE -	REVISED - REVISED - REVISED - REVISED -
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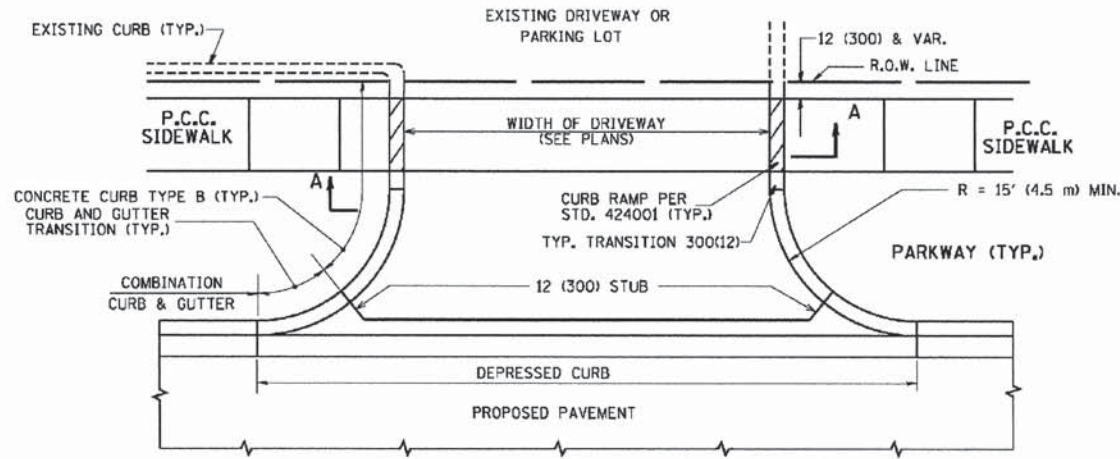
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SIDEWALK RAMP DETAILS**  
**MILWAUKEE AVENUE STREETSCAPE**

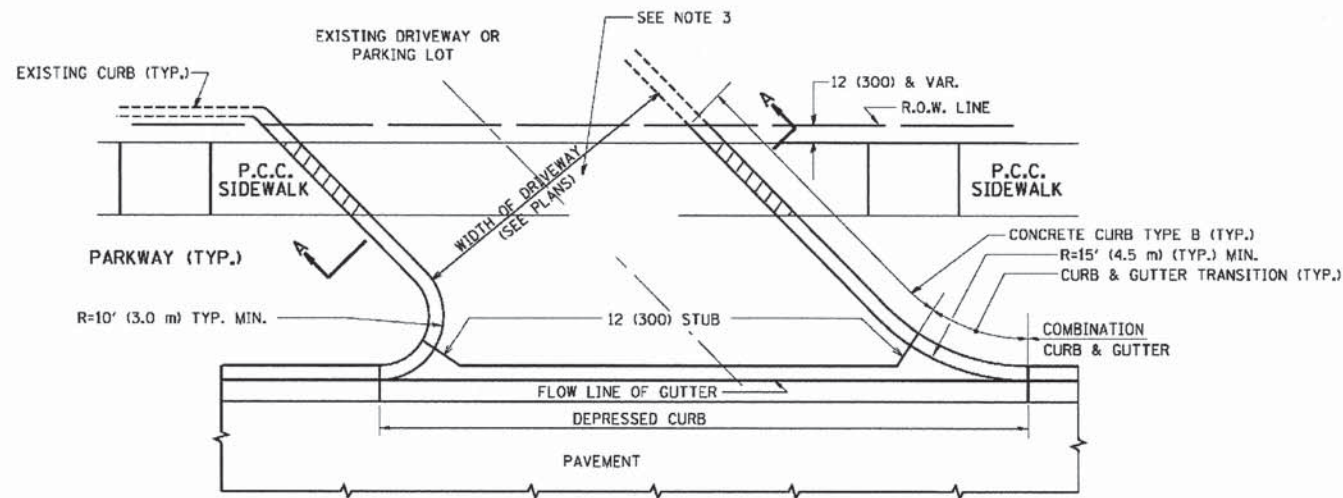
SCALE: 1"=10'    SHEET NO. 3 OF 3 SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A93	

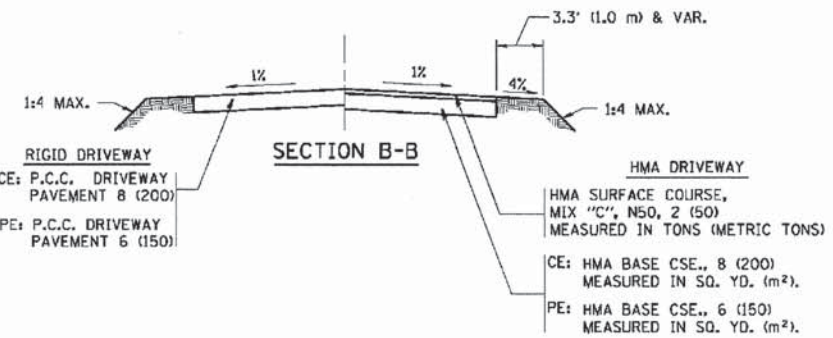
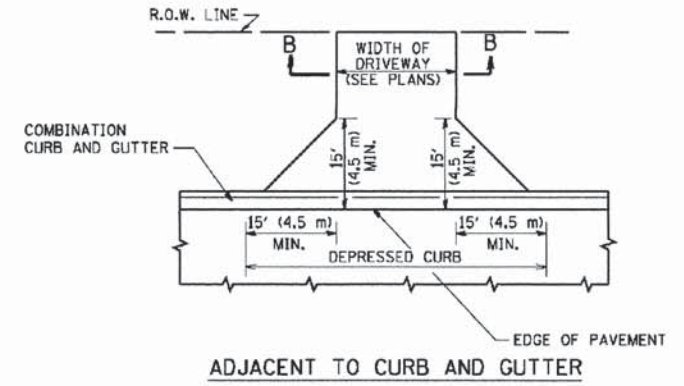
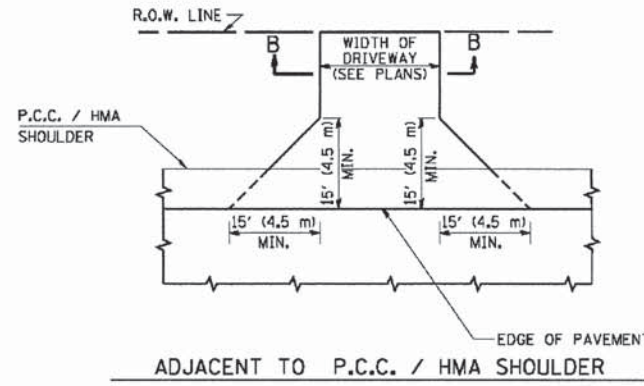
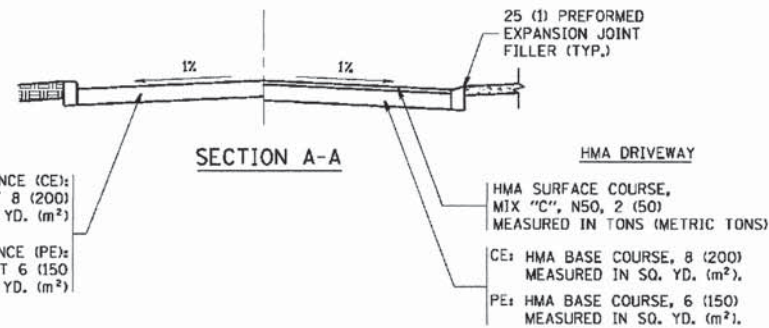




WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



**RURAL FIELD ENTRANCE (FE)**  
 HMA SURFACE COURSE,  
 MIX "C", N50, 2 (50)  
 MEASURED IN TONS (METRIC TONS)  
 CE: HMA BASE COURSE, 8 (200)  
 MEASURED IN SQ. YD. (m<sup>2</sup>).  
 PE: HMA BASE COURSE, 6 (150)  
 MEASURED IN SQ. YD. (m<sup>2</sup>).

**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 ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT 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.

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.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

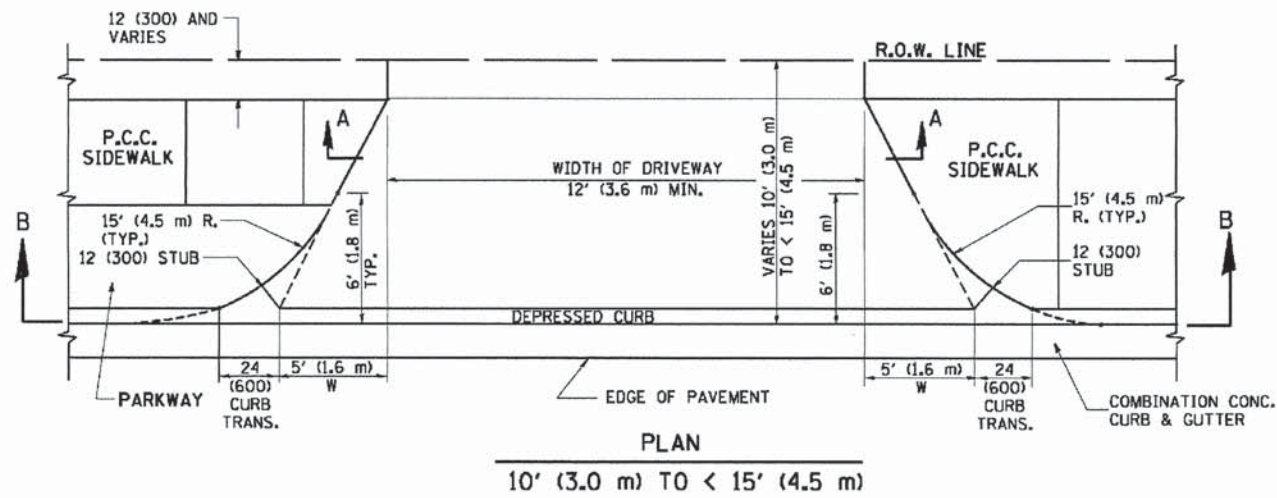
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 PROJECT CONTACT:  
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		DRAWN -	REVISED - P. LaFLUER 04-15-03
		CHECKED -	REVISED - R. BORO 01-01-07
		DATE - 11-04-95	REVISED - R. BORO 06-11-08

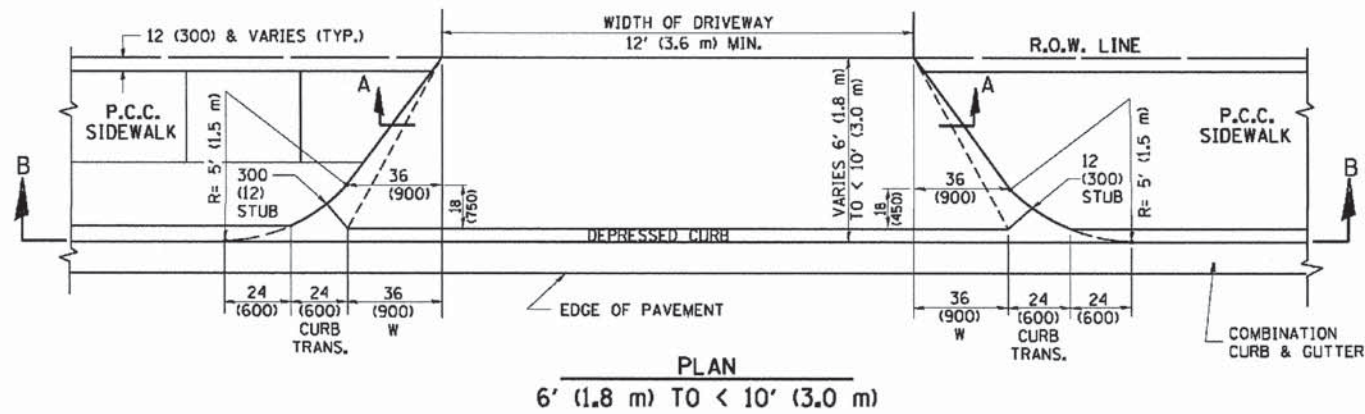
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB &amp; EDGE OF SHOULDER &gt;= 15' (4.5 m)</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

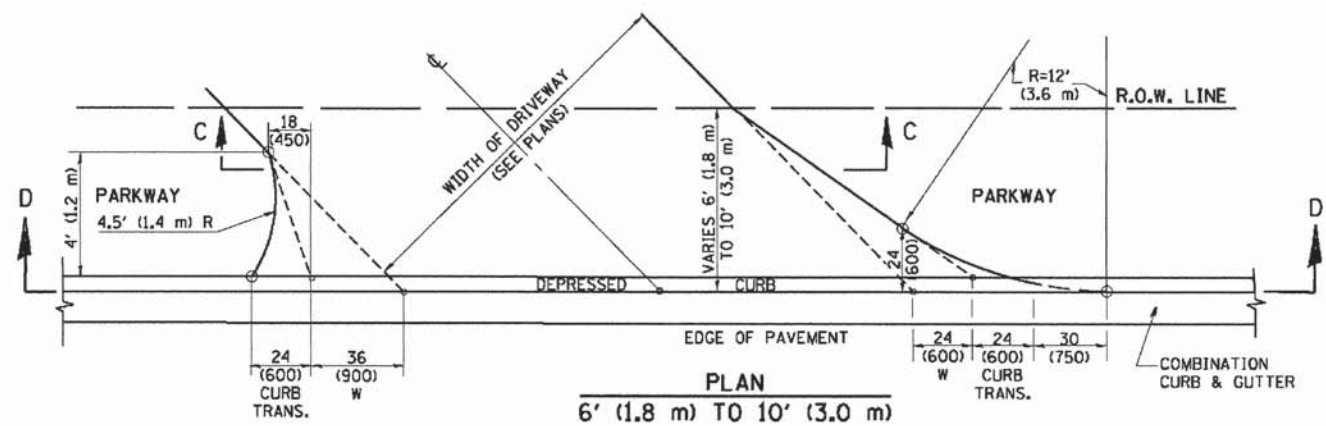
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-1-S	COOK	31	25
<b>BD0156-07 (BD-01)</b>			<b>CONTRACT NO. 61A93</b>	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



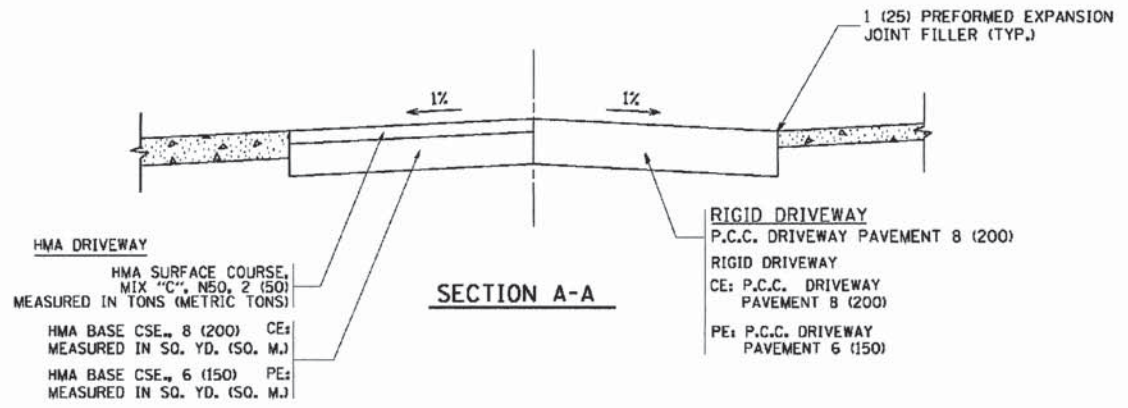
PLAN  
10' (3.0 m) TO < 15' (4.5 m)



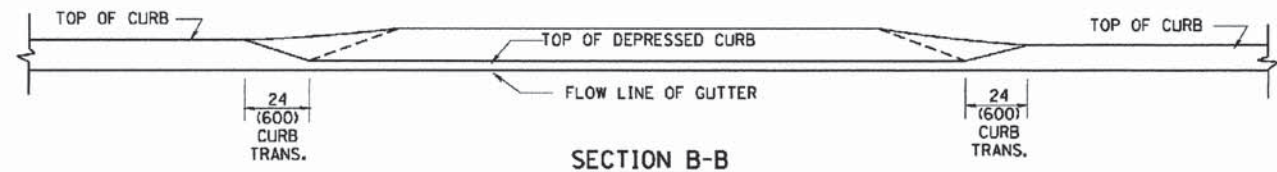
PLAN  
6' (1.8 m) TO < 10' (3.0 m)



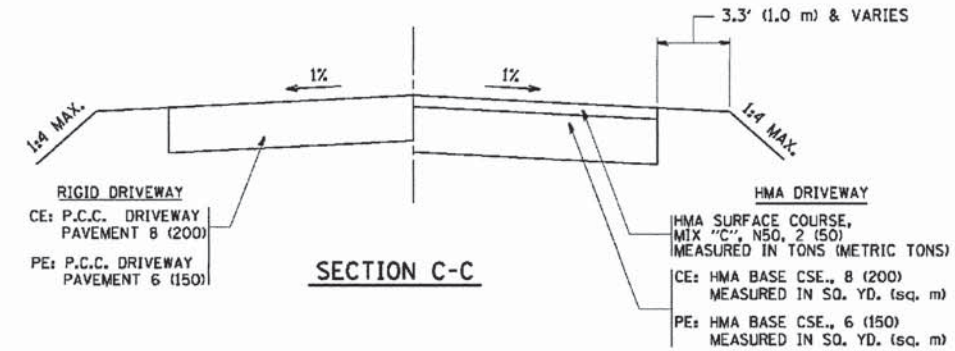
PLAN  
6' (1.8 m) TO 10' (3.0 m)



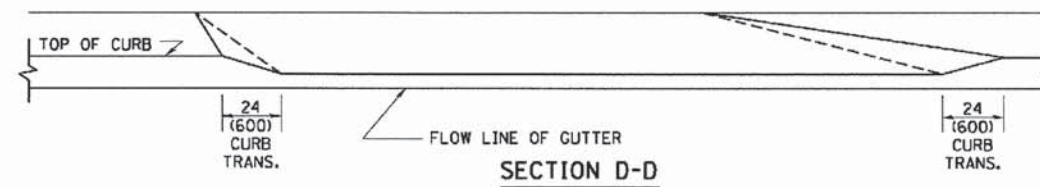
SECTION A-A



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.

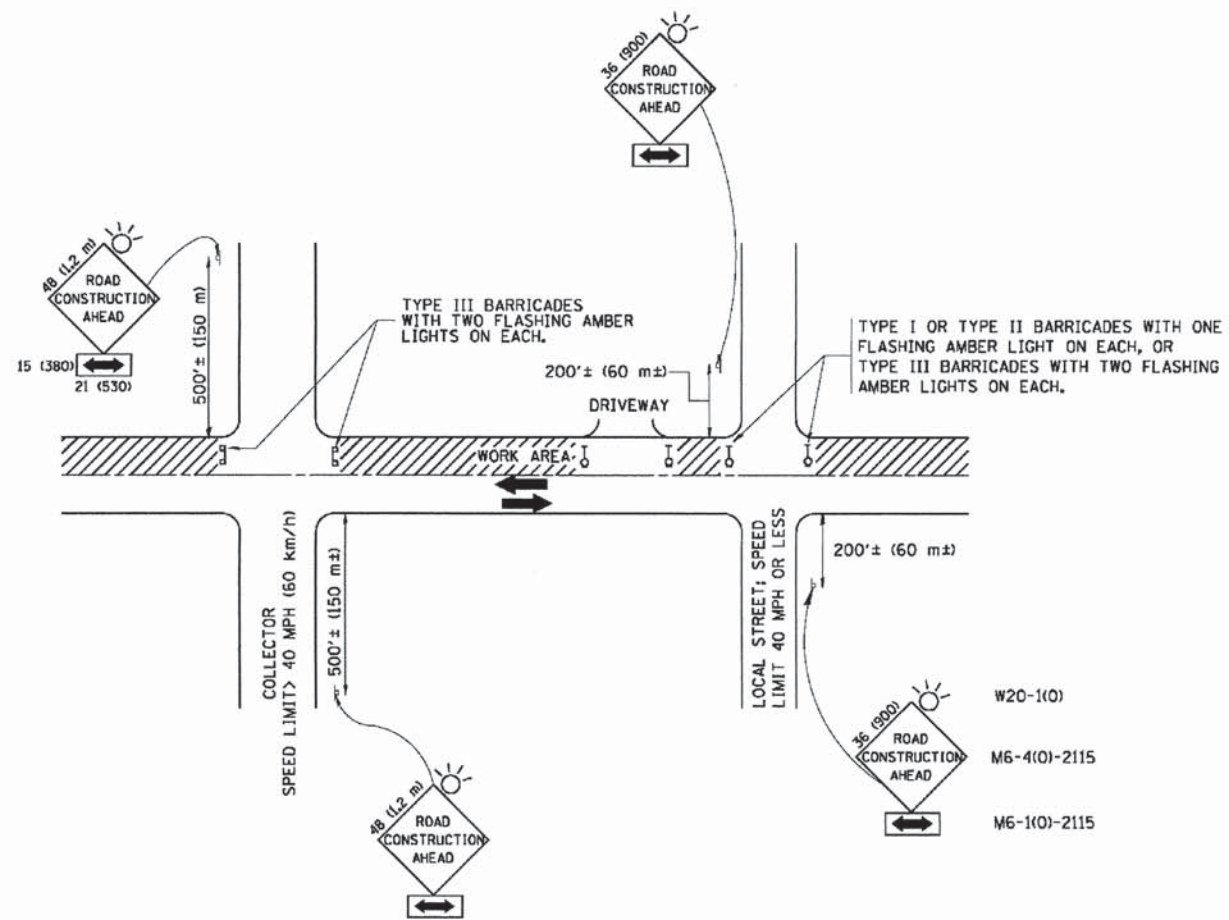
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		CHECKED -	REVISED - P. LOFLEUR 04-15-03
		DATE - 11-06-95	REVISED - R. BORO 01-01-07

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	13-00117-00-LS	COOK	31	26
BD400-02 (BD-02)			CONTRACT NO. 61A93	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
  - 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
  - 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
  - USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. T0150L, STD. T01606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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CLIENT:  
DATE PLOTTED:  
FILE NAME:  
PLOT DATE:  
PLOT SCALE:

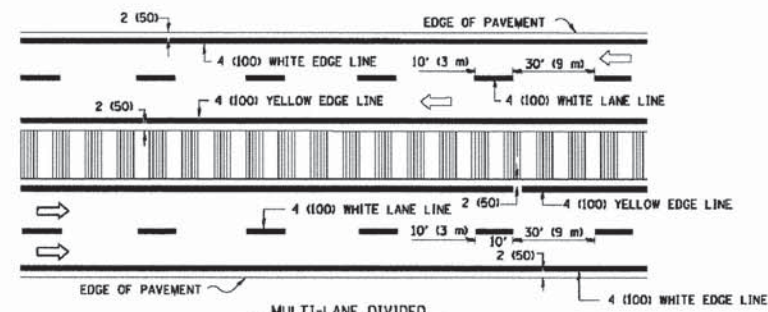
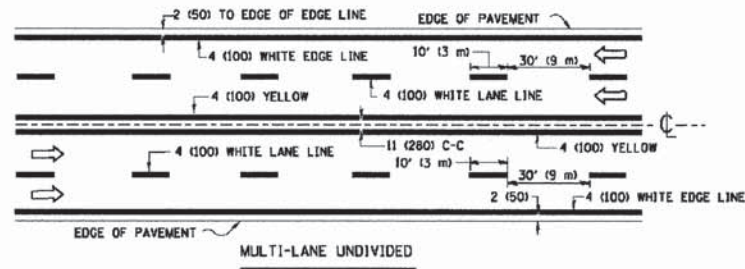
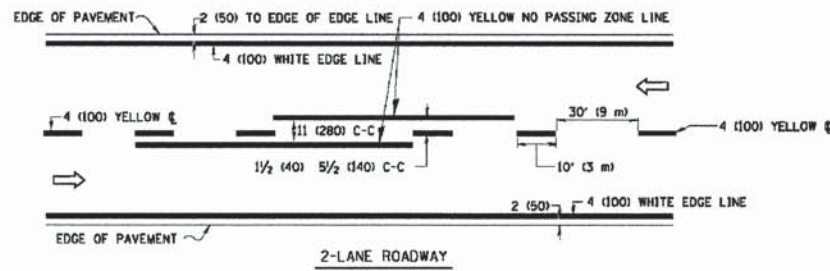
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		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

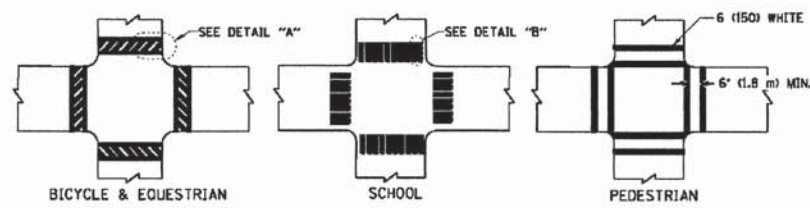
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 61A93	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

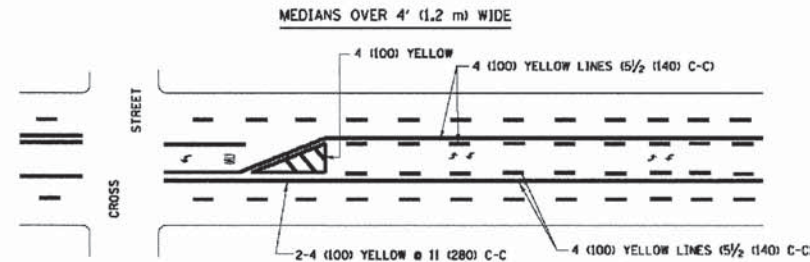
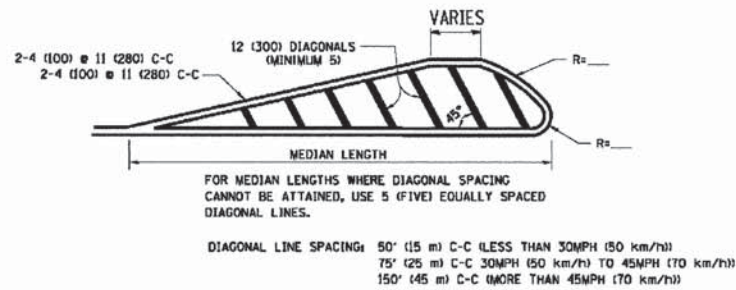
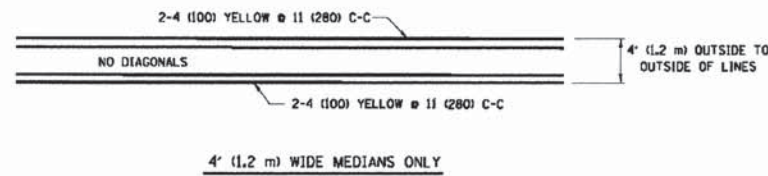


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

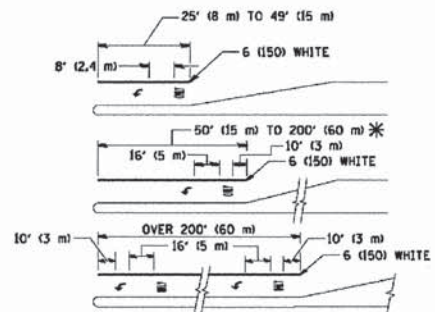
**TYPICAL LANE AND EDGE LINE MARKING**



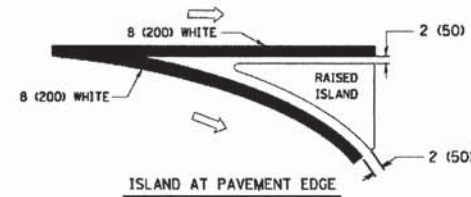
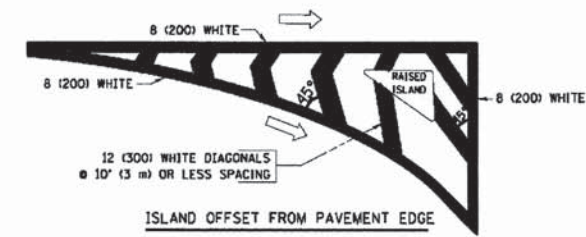
**TYPICAL CROSSWALK MARKING**



**TYPICAL PAINTED MEDIAN MARKING**



**TYPICAL TURN LANE MARKING**



**TYPICAL ISLAND MARKING**

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (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 MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN A. DIAGONALS (BIKE & EQUESTRIAN B. LONGITUDINAL BARS (SCHOOL))	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
CORE 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 T8000! AREA OF: "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD T8000.

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

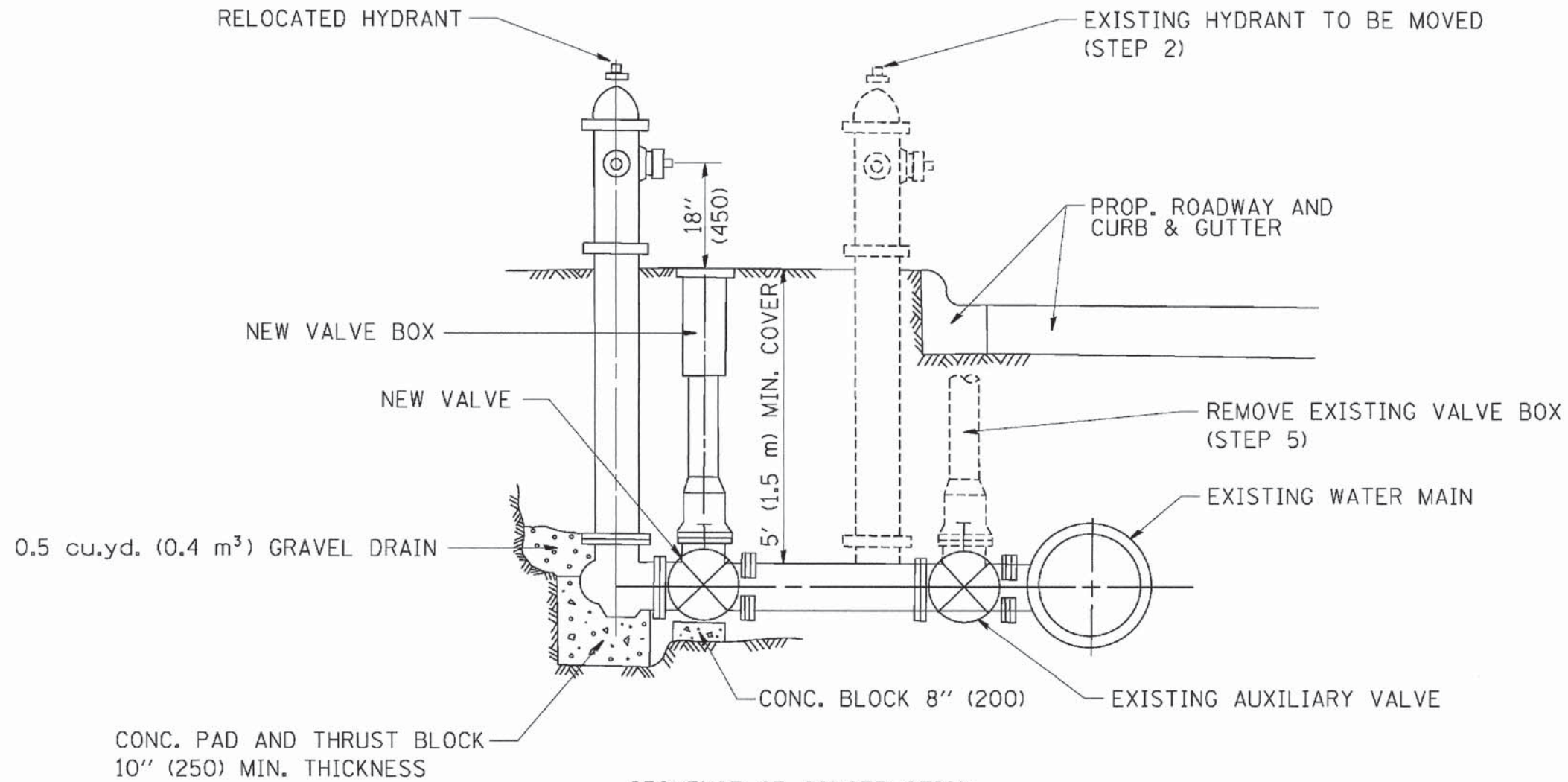
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		CHECKED -	REVISED - A. HOUSEH 10-17-96
		DATE - 03-19-90	REVISED - T. RAMMACHER 01-06-00

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A. RTE. 374	SECTION 13-00117-00-LS	COUNTY COOK	TOTAL SHEETS 31	SHEET NO. 28
TC-13		CONTRACT NO. 61A93		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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.

COMPANY NAME:  
PROJECT CONTACT:  
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PLOT DRIVER:  
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PLOT SCALE = 5/8" = 1' / IN.	CHECKED -	REVISED -
PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FIRE HYDRANT TO BE MOVED			
SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	29
BD-36		CONTRACT NO. 61A93		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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".

COMPANY NAME:  
 PROJECT CONTACT:  
 CLIENT:  
 DATE PLOTTED:  
 PLOT SCALE:  
 PLOT DATE:

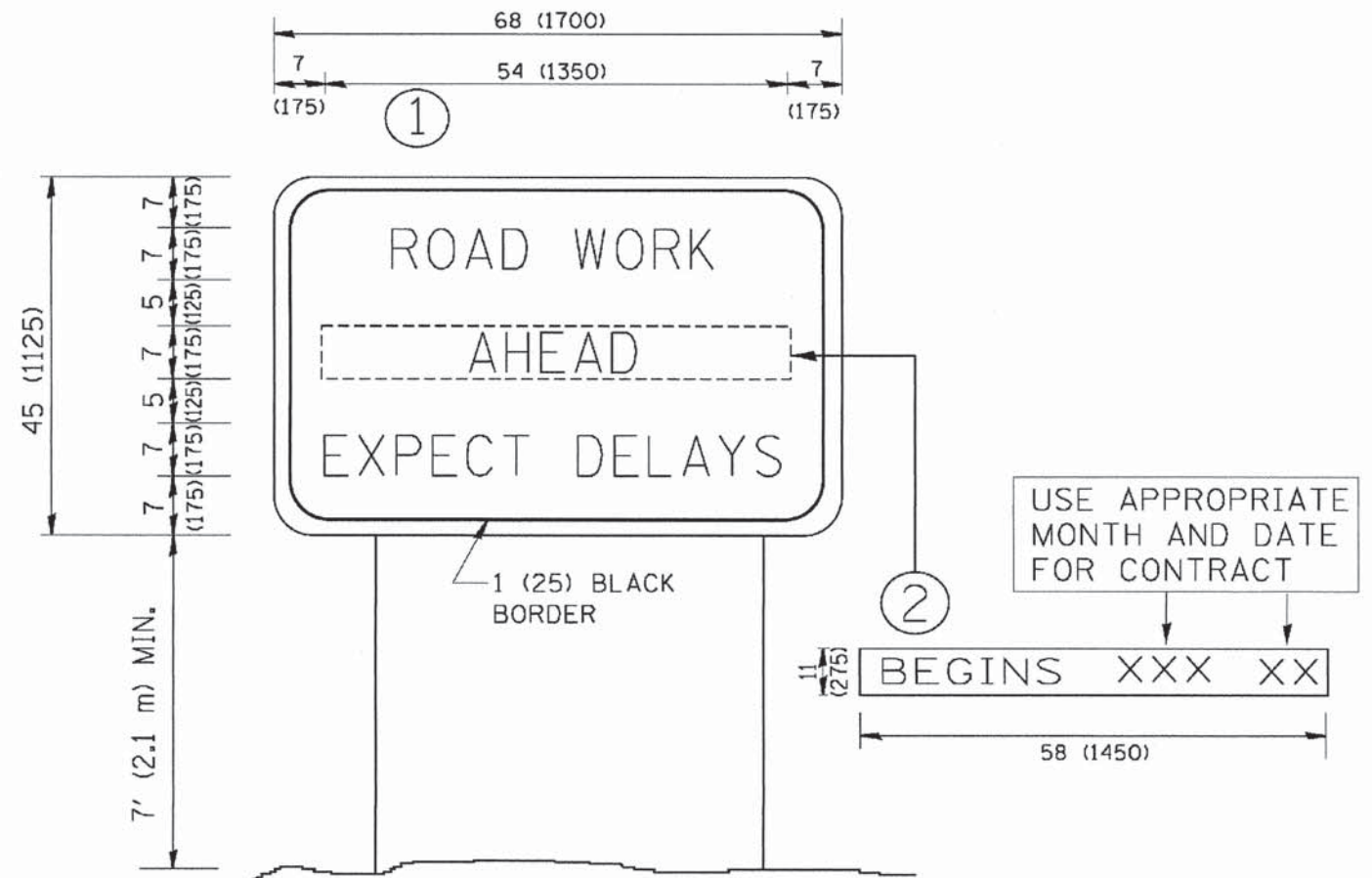
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>DRIVEWAY ENTRANCE SIGNING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	13-00117-00-LS	COOK	31	30
<b>TC-26</b>			<b>CONTRACT NO. 61A93</b>	
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				



**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.

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 CLIENT:  
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PLOT DATE = 1/4/2008	DATE -	REVISED - REVISED -	REVISED - REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ARTERIAL ROAD INFORMATION SIGN</b>			
SCALE: NONE	SHEET NO. 1 OF 1	SHEETS	STA. TO STA.

F.A. RTE. # 374	SECTION 13-00117-00-LS	COUNTY COOK	TOTAL SHEETS 31	SHEET NO. 31
<b>TC-22</b>		<b>CONTRACT NO. 61A93</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				