FAU ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	1
	ILLINOIS	CONTRACT NO. 61H67		

04-29-2022 LETTING ITEM 097

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

FUNCTIONAL CLASSIFICATION
MINOR COLLECTOR

TRAFFIC DATA
SHIELDS AVENUE
ADT (2019) = 3,000

POSTED SPEED LIMIT
SHIELDS AVENUE = 30 MPH

DESIGN SPEED LIMIT
SHIELDS AVENUE = 30 MPH

STATE OF ILLINOIS

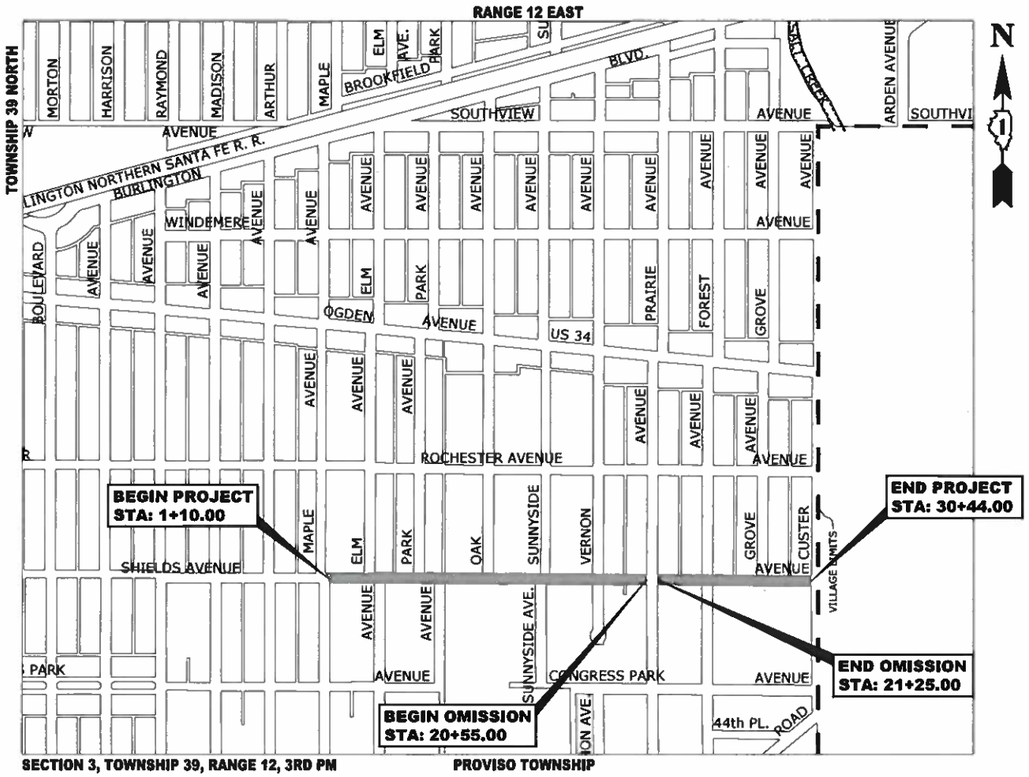
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 1365 (SHIELDS AVENUE)
MAPLE AVE TO CUSTER AVENUE
RESURFACING
SECTION NO.: 21-00136-00-RS
PROJECT NO.: 1CJB(436)
VILLAGE OF BROOKFIELD
COOK COUNTY

LOCATION OF SECTION INDICATED THUS:

C-91-125-22



LOCATION MAP
NOT TO SCALE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED 01-13- 2022
VILLAGE OF BROOKFIELD, PRESIDENT

PASSED FEB 18 2022
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASED FOR BID BASED ON LIMITED REVIEW. FEBRUARY 22 2022
Jose Rios
REGIONAL ENGINEER

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0 10' 20' 30' SCALE: 1" = 10'
0 50' 100' SCALE: 1" = 50'
0 50' 100' SCALE: 1" = 40'
0 50' 100' SCALE: 1" = 30'
0 50' 100' SCALE: 1" = 20'

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

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

CONTRACT NO. 61H67

DEREK S. TRETCHEL
82-048414
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

SIGNED : Derek Tretchel
DATE : 01-13-2022 LICENSE EXPIRES : 02-28-22

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

E.H.E. PROJECT NO. 125-21-005-01

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS,P.E., SCHAUMBURG, IL

Drawing File: W:\Projects_by_Village\Brookfield\125210O7 - Shields Ave U470\Cover.dwg Feb 03, 2022 - 12:23pm

GENERAL NOTES

1. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AS SHOWN ON THE INDEX OF SHEETS IN THE PLANS. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2022. THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" 8TH EDITION, AND THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS. VILLAGE OF BROOKFIELD 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.
2. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).
3. THE LOCATIONS OF THE UNDERGROUND UTILITIES IF SHOWN ON THE PLANS HAVE BEEN OBTAINED BY FIELD SURVEYS AND SEARCHES OF AVAILABLE RECORDS. THE VILLAGE OF BROOKFIELD, THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND/OR OTHER OFFICES AND AGENCIES ASSOCIATED WITH THE DEVELOPMENT OF THESE PLANS DO NOT GUARANTEE THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALLL BE REQUIRED TO VERIFY THE EXACT LOCATION OF EACH FACILITY WITH THE UTILITY COMPANY, AND SHALL TAKE DUE CARE IN ALL PHASES OF THE CONSTRUCTION TO PROTECT ANY SUCH FACILITIES WHICH MAY BE AFFECTED BY THE WORK. ANY DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF BROOKFIELD.
5. THE TYPE OF FRAMES AND GRATES REQUIRED FOR ALL CATCH BASINS AND MANHOLES LISTED IN THE SUMMARY OF QUANTITIES MAY BE FOUND ON THE PLANS AT THEIR RESPECTIVE LOCATIONS. WHERE LIDS ARE CALLED FOR ON THE PLANS, THEY SHALL BE IN ACCORDANCE WITH ARTICLE 604.01 OF THE STANDARD SPECIFICATIONS AND THE TERM LID IS USED IN LIEU OF GRATE.
6. ON ALL IMPROVEMENTS, THE FRAMES AND LIDS OF EXISTING CATCH BASINS, INLETS, MANHOLES, AND VALVE VAULTS WHICH ARE TO BE ABANDONED DUE TO CONSTRUCTION OF THIS IMPROVEMENT ARE TO REMAIN THE PROPERTY OF THE VILLAGE OF BROOKFIELD AND BE SALVAGED. THE CONTRACTOR SHALL DELIVER FRAMES AND LIDS TO THE VILLAGE OF BROOKFIELD LOCATED AT 4545 EBERLY AVE, BROOKFIELD, (708) 485-7344.
7. THE WORD "WATER", "SANITARY", OR "STORM" SHALL BE CAST INTO THE LID OF EACH RESPECTIVE MANHOLE OR VALVE VAULT
8. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AS TO MAINTAIN AT ALL TIMES FLOW THROUGH EXISTING STORM AND SAN ITARY SEWER SYSTEMS. THE CONTRACTOR SHALL ALSO PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT IF NECESSARY AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER COLLECTED IN A SAFE MANNER WITHOUT DAMAGE OF ANY KIND TO ADJACENT PROPERTIES. THE ENDS OF EXISTING DRAINAGE LINES THAT ARE NOT TO BE INCORPORATED INTO THE PROJECT SHALL BE SEALED AS SPECIFIED IN THE SPECIAL PROVISIONS. EXISTING STRUCTURES ARE TO BE INSPECTED BEFORE CONSTRUCTION STARTS - ANY ACCUMULATION OF MATERIAL IN THE STRUCTURE DUE TO CONSTRUCTION OPERATIONS SHALL BE REMOVED BY THE CONTRACTOR.
9. CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREE SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HEREIN.
10. WHEN REMOVING PAVEMENT AND/OR OTHER STRUCTURES, THE CONTRACTOR SHALL NOT USE ANY TYPE OF CONCRETE BREAKERS SUCH AS DROP HAMMERS, THAT MIGHT DAMAGE UNDERGROUND PUBLIC OR PRIVATE UTILITIES.
11. THE CONTRACTOR SHALL SAW CUT ASPHALT PAVEMENT AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING PAVEMENT TO BE REMOVED BY APPROVED MEANS OR AN APPROVED CONCRETE SAW TO A DEPTH AS DIRECTED BY THE ENGINEER. SUITABLE GUIDELINES OR DEVICES SHALL BE USED TO ASSURE CUTTING A NEAT, STRAIGHT LINE AS SHOWN ON THE PLANS. CARE SHALL BE TAKEN BY THE CONTRACTOR AS NOT TO DAMAGE THE REMAINING PAVEMENT DIRECTLY ADJACENT TO THE PAVEMENT TO BE REMOVED. ANY DAMAGE TO THE EXISTING PAVEMENT RESULTING FROM PAVEMENT REMOVAL OPERATIONS SHALL BE REPAIRED.
12. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE OR VILLAGE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
13. A BUTT JOINT WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
14. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
15. THE CONTRACTOR WILL BE REQUIRED TO SCHEDULE THEIR OPERATIONS SO THAT NO SECTIONS OF PAVEMENT ALONG THE CENTERLINE WILL HAVE A COLD JOINT OVERNIGHT.
16. LOCATIONS OF CLASS B PATCHES ON PLANS ARE APPROXIMATE. EXACT LOCATIONS WILL BE DETERMINED IN FIELD BY ENGINEER. CLASS B PATCHES LOCATED WITHIN THE THROUGH LANES SHALL BE MADE ACCESSIBLE TO TRAFFIC AT THE END OF EACH WORK DAY.
17. PAVEMENT PATCHING SHALL BE STAGED TO MAINTAIN TWO-WAY TRAFFIC AT ALL TIMES.
18. THE CONTRACTOR SHALL MAINTAIN ACCESS FOR EMERGENCY VEHICLES AND GARBAGE TRUCKS AT ALL TIMES. IF THE GARBAGE TRUCKS ARE NOT ABLE TO HAVE ACCESS TO ALL OF THE PROPERTIES WITHIN THE PROJECT LIMITS, THEN THE CONTRACTOR SHALL PLACE ANY GARBAGE THAT IS AFFECTED IN A LOCATION WHERE THE GARBAGE TRUCKS CAN PICK IT UP. THE CONTRACTOR SHALL RETURN THE GARBAGE CANS TO THE PARKWAY OF THE RESPECTIVE PROPERTY BY THE END OF THE DAY.
19. THE CONTRACTOR SHALL TAKE PRECAUTIONS SO AS NOT TO DAMAGE EXISTING SIDEWALKS, DRIVEWAYS, AND PAVEMENTS OUTSIDE THE LIMITS OF RESTORATION. THE GENERAL LIMITS OF RESTORATION ARE SHOWN ON THE PLANS. THE ENGINEER WILL MARK OUT THE EXACT LIMITS OF REMOVAL FOR THESE ITEMS PRIOR TO THE COMMENCEMENT OF WORK. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO SIDEWALKS, DRIVEWAYS, AND PAVEMENTS OUTSIDE OF THESE LIMITS TO THE SATISFACTION OF THE ENGINEER.

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, GENERAL NOTES AND IDOT HIGHWAY STANDARDS
3	M.W.R.D.G.C. GENERAL NOTES
4-7	SUMMARY OF QUANTITIES
8	EXISTING AND PROPOSED TYPICAL SECTIONS
9-11	RESURFACING PLAN
12-14	PAVEMENT MARKING PLAN
15-16	EROSION CONTROL PLAN
17-18	JOB SPECIFIC BROOKFIELD DETAILS
19	DETAILS FOR FRAME AND LIDS ADJUSTMENT WITH MILLING
20	BUTT JOINT AND HMA TAPER DETAILS
21	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
22	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
23	ARTERIAL ROAD INFORMATION SIGN

IDOT HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442101-09	CLASS B PATCHES
604001-05	FRAME AND LIDS, TYPE 1
701006-05	OFF ROAD OPERATION MARKERS, 2L, 2W 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2-LANE, 2-WAY, SHORT-TIME OPERATIONS
701311-03	LANE CLOSURE, 2-LANE, 2-WAY, MOVING OPERATIONS, DAY ONLY
701501-06	URBAN LANE CLOSURE, 2-LANE, 2-WAY, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

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DESIGNED –	-	REVISED –
DRAWN –	ECW, DMM, SFB	REVISED –
CHECKED –	-	REVISED –
DATE –	11-18-21	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, GENERAL NOTES AND IDOT HIGHWAY STANDARDS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	2
		CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701

M.W.R.D.G.C. GENERAL NOTES

b. 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 BROOKFIELD 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.

b. GENERAL NOTES

1. ELEVATION DATUM IS C.C.D.

2. THE ENGINEER IN COORDINATION WITH THE MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE; SHALL HAVE TO 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 UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENT TO NOTIFY ALL INSPECTION AGENCIES.

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

6. 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.

d. SANITARY SEWER

1. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE ENGINEER IN COORDINATION WITH THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.

2. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL BY THE ENGINEER IN COORDINATION WITH THE MUNICIPALITY AND/OR MWRD.

3. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.

4. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.

5. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE		
6-INCH TO 15-INCH DIAMETER SDR 26	ASTM D-3034	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM F-679	ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE) FUSION)	ASTM D-3350	ASTM D-3261, F-2620 (HEAT
(GASKETED)	ASTM D-3035	ASTM D-3212, F-477
WATER MAIN QUALITY PVC		
4-INCH TO 36-INCH	ASTM D-2241	ASTM D-3139
4-INCH TO 12-INCH	AWWA C900	ASTM D-3139
14-INCH TO 48-INCH	AWWA C905	ASTM D-3139

THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D-3212, F-477

8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE ¼" TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.

9. NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.

10. ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS, SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.

11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:

a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS AND PROPER INSTALLATION OF HUB-WYE SADDLE OR HUB-TEE SADDLE.

b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.

c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING COUPLINGS TO HOLD IT FIRMLY IN PLACE.

12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATERMAIN, THE SEWER SHALL BE CONSTRUCTED TO WATERMAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATERMAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.

13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.

14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.

15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.

16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.

17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.

18. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

e. EROSION AND SEDIMENT CONTROL

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. MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.

10. 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.

11. 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.

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

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

14. 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.

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

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

17. 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. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.

18. 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.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS 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 DEVISE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGED TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.

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

21. 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.

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

23. 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.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

M.W.R.D.G.C. GENERAL NOTES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	3
		CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701

SUMMARY OF QUANTITIES

		Code No.	Item	Unit	Total Quantity	Const. Type Code 0005 80%Federal 20%Local	Const. Type Code 0042 80%Federal 20%Local
		20101100	TREE TRUNK PROTECTION	EACH	35	35	0
		20101200	TREE ROOT PRUNING	EACH	15	15	0
		20200200	ROCK EXCAVATION	CU YD	30	30	0
		20800150	TRENCH BACKFILL	CU YD	35	35	0
		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1250	1250	0
		25200100	SODDING	SQ YD	1250	1250	0
		25200200	SUPPLEMENTAL WATERING	UNIT	67	67	0
		28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	26	26	0
`		28000510	INLET FILTERS	EACH	44	44	0
		35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ YD	50	50	0
		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	30	30	0
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	10250	10250	0
		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	20	20	0
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	300	300	0
		40602978	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50	TON	1090	1090	0
		40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	1450	1450	0

` SEE SPECIAL PROVISIONS

* INDICATES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 1 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	4
		CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701

SUMMARY OF QUANTITIES

		Code No.	Item	Unit	Total Quantity	Const. Type Code 0005 80%Federal 20%Local	Const. Type Code 0042 80%Federal 20%Local
`		40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	10	10	0
		42001300	PROTECTIVE COAT	SQ YD	1000	1000	0
		42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	150	150	0
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	5750	5750	0
`		42400800	DETECTABLE WARNINGS	SQ FT	550	550	0
		44000100	PAVEMENT REMOVAL	SQ YD	50	50	0
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	150	150	0
`		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1050	1050	0
`		44000600	SIDEWALK REMOVAL	SQ FT	5750	5750	0
		44200929	CLASS B PATCHES, TYPE I, 8 INCH	SQ YD	50	50	0
		44200934	CLASS B PATCHES, TYPE II, 8 INCH	SQ YD	75	75	0
		44200942	CLASS B PATCHES, TYPE III, 8 INCH	SQ YD	150	150	0
		44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SQ YD	300	300	0
		44201297	DOWEL BARS 1"	EACH	400	400	0
		44213200	SAW CUTS	FOOT	1950	1950	0
`	*	56400510	FIRE HYDRANTS TO BE REMOVED AND REPLACED	EACH	1	1	0

` SEE SPECIAL PROVISIONS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.U. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	5
		CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E H E PROJECT NO. 125-21-00701

SUMMARY OF QUANTITIES

		Code No.	Item	Unit	Total Quantity	Const. Type Code 0005 80%Federal 20%Local	Const. Type Code 0042 80%Federal 20%Local
`	*	56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	10	10	0
`		60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	1050	1050	0
`		60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	4	4	0
`		60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	3	3	0
`		60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	5	5	0
`		60255800	MANHOLES TO BE AJDUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	3	3	0
`		60265900	VALVE VAULTS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2	0
`		60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	48	48	0
		67100100	MOBILIZATION	L SUM	1	1	0
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	0
		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	0
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	0
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	200	200	0
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	67	67	0
	*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5500	5500	0
	*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1750	1750	0

` SEE SPECIAL PROVISIONS

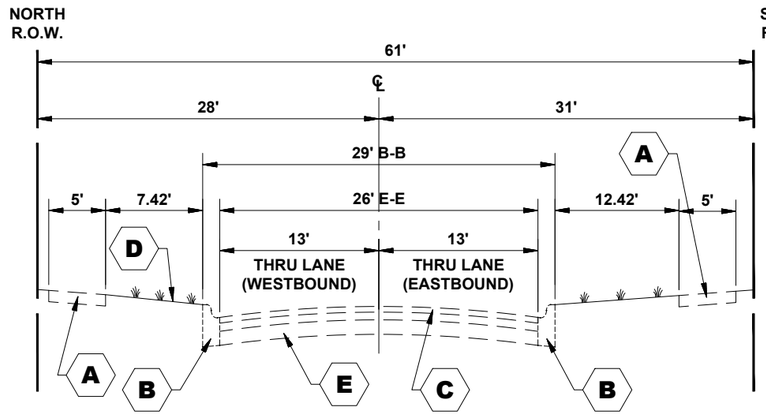
* INDICATES SPECIALTY ITEM

SUMMARY OF QUANTITIES

		Code No.	Item	Unit	Total Quantity	Const. Type Code 0005 80%Federal 20%Local	Const. Type Code 0042 80%Federal 20%Local
	*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	450	450	0
	*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	300	300	0
`		X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	11000	11000	0
`		XX001464	SANITARY SEWERS, PVC, 6"	FOOT	16	16	0
`		XX006449	PVC COMBINED SEWER PIPE REPLACEMENT 12"	FOOT	42	42	0
`		XX007785	SURFACE REMOVAL (SPECIAL)	SQ YD	60	60	0
`		Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52	0
`		Z0076600	TRAINEES	HOUR	500	0	500
`		Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	0	500

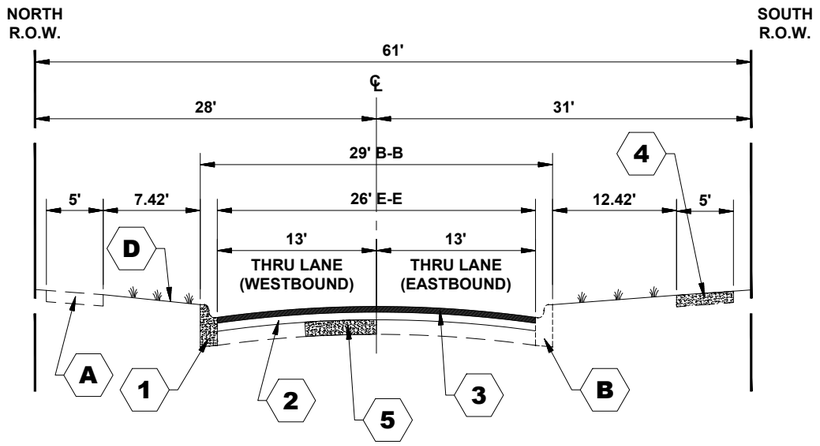
` SEE SPECIAL PROVISIONS

* INDICATES SPECIALTY ITEM



EXISTING TYPICAL SECTION

SHIELDS AVE.
(STATION 1+10 TO STATION 24+50)



PROPOSED TYPICAL SECTION

SHIELDS AVE.
(STATION 1+10 TO STATION 24+50)

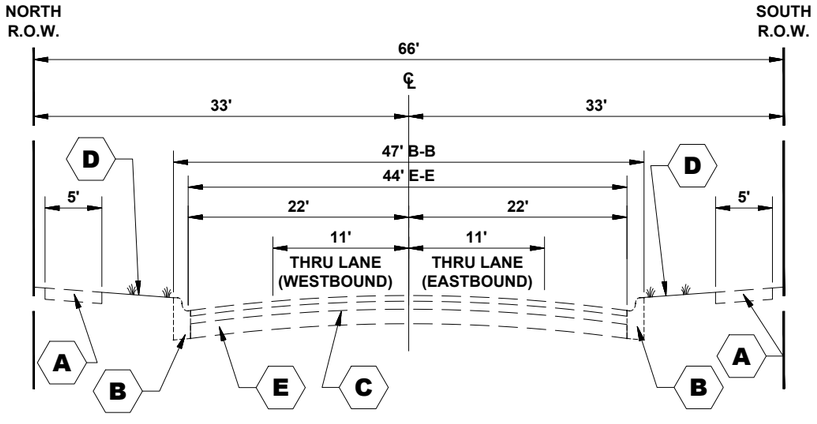
TYPICAL CROSS SECTION LEGEND

EXISTING

- **A** — PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- **B** — EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- **C** — HMA BINDER AND SURFACE COURSE, 3" - 4"
- **D** — SODDED PARKWAY
- **E** — PCC BASE COURSE, 6"

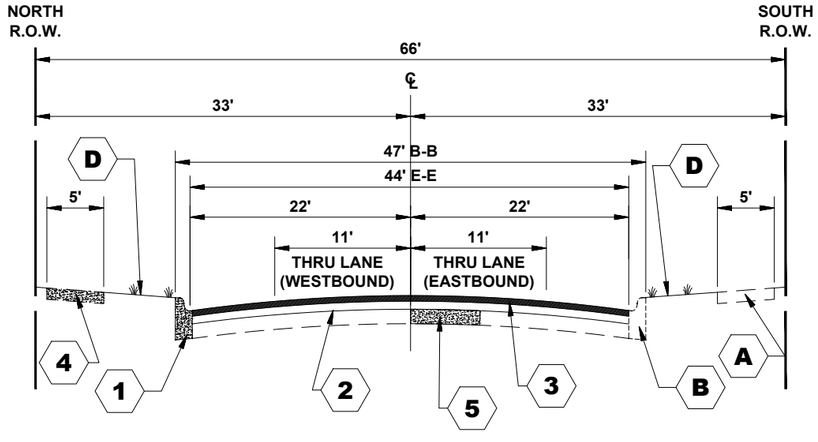
PROPOSED

- **1** — PROPOSED INTERMITTENT COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, TYPE B-6.12 (MODIFIED)
- **2** — HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 1.5"
- **3** — HOT-MIX ASPHALT SURFACE COURSE,IL-9.5, MIX D, N50, 2"
- **4** — PROPOSED INTERMITTENT PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- **5** — CLASS B PATCH, 8"



EXISTING TYPICAL SECTION

SHIELDS AVENUE
(STATION 24+50 TO 30+44)



PROPOSED TYPICAL SECTION

SHIELDS AVENUE
(STATION 24+50 TO 30+44)

HOT-MIX ASPHALT (HMA) MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
HOT-MIX ASPHALT SURFACE COURSE,IL-9.5, MIX D, N50, 2"	4% @ 50 Gyr	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50, 1.5"	4% @ 50 Gyr	LR 1030-2
INCIDENTAL HOT-MIX ASPHALT SURFACING (HMA SURFACE, IL-9.5,MIX "D", N50), 3"	4% @ 50 Gyr	LR 1030-2

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 RECLAIMED MATERIALS SPECIFICATIONS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	8
		CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701

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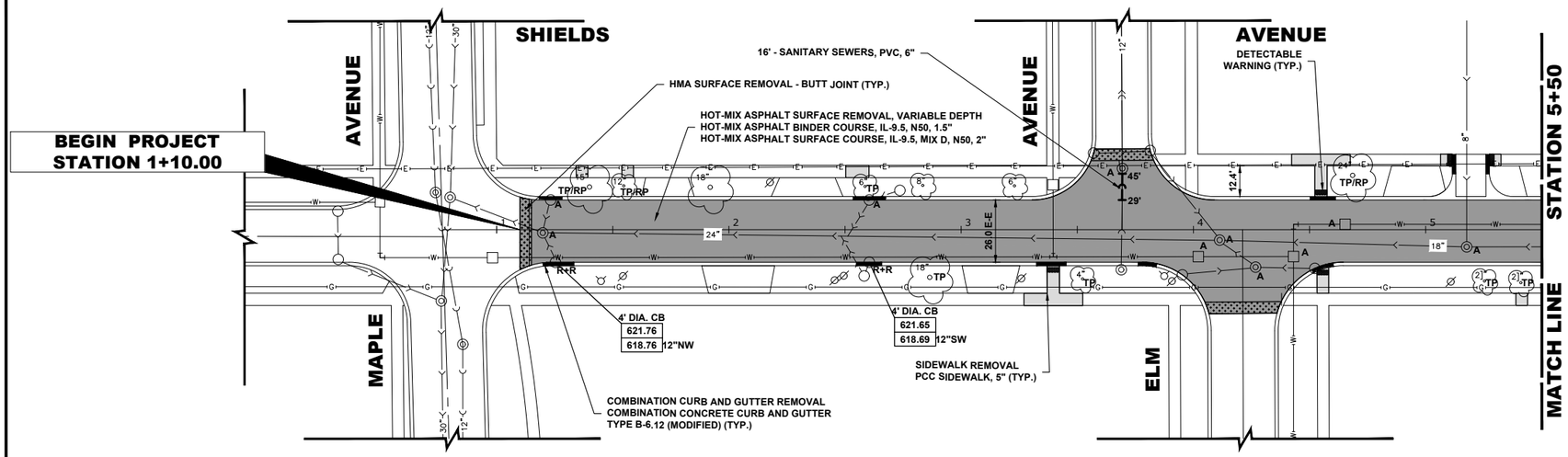
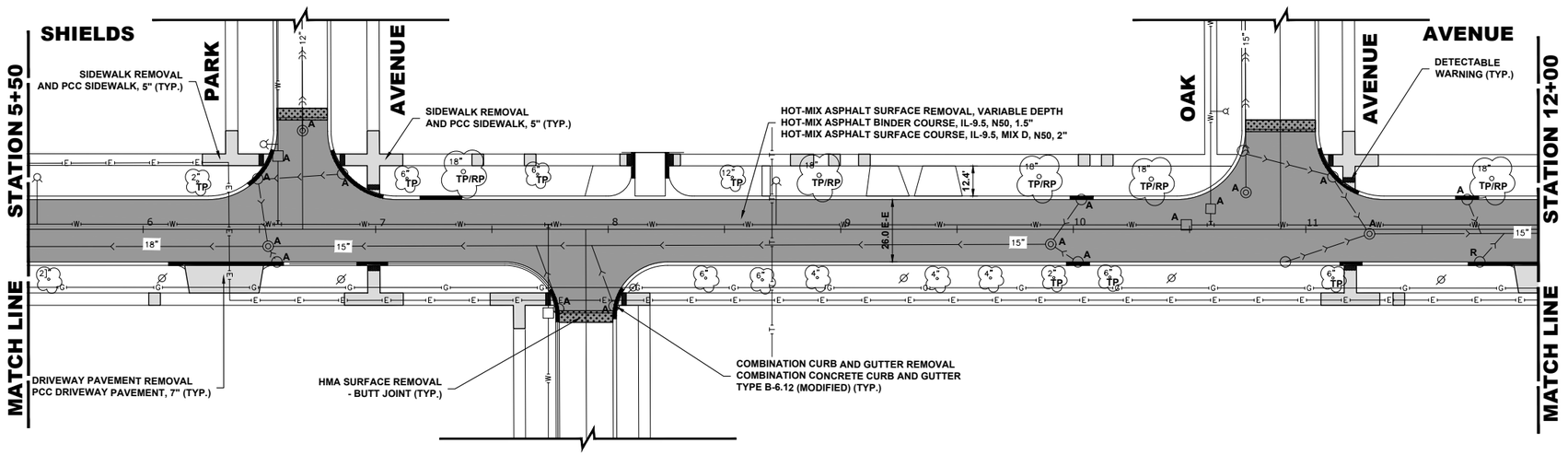


NOTES:

ALL STORM LATERALS ARE 12" DIP

PROPOSED IMPROVEMENTS



PROPOSED IMPROVEMENTS

LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-07)

SYMBOL	DESCRIPTION
A	EXISTING HOT-MIX ASPHALT AREA
C	EXISTING CONCRETE AREA
G	EXISTING GRASS AREA
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	REMOVE AND REINSTALL BRICK PAVER
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
AH	HANDHOLE TO BE ADJUSTED
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
1B	NEW FRAME AND LID, TYPE 1, WATERTIGHT BOLT DOWN LID
R+R	STRUCTURE TO BE REMOVED AND REPLACED
R	STRUCTURE TO BE RECONSTRUCTED
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	PROPOSED STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING CURB AND GUTTER
	PROPOSED CONCRETE CURB, TYPE B
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
	EXISTING WATER MAIN
TP	TREE TRUNK PROTECTION
RP	TREE ROOT PRUNING

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLAN

SCALE: 1" = 30' | SHEET NO. 1 OF 3 SHEETS | STA. 1+00 | TO STA. 12+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	9
		CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701

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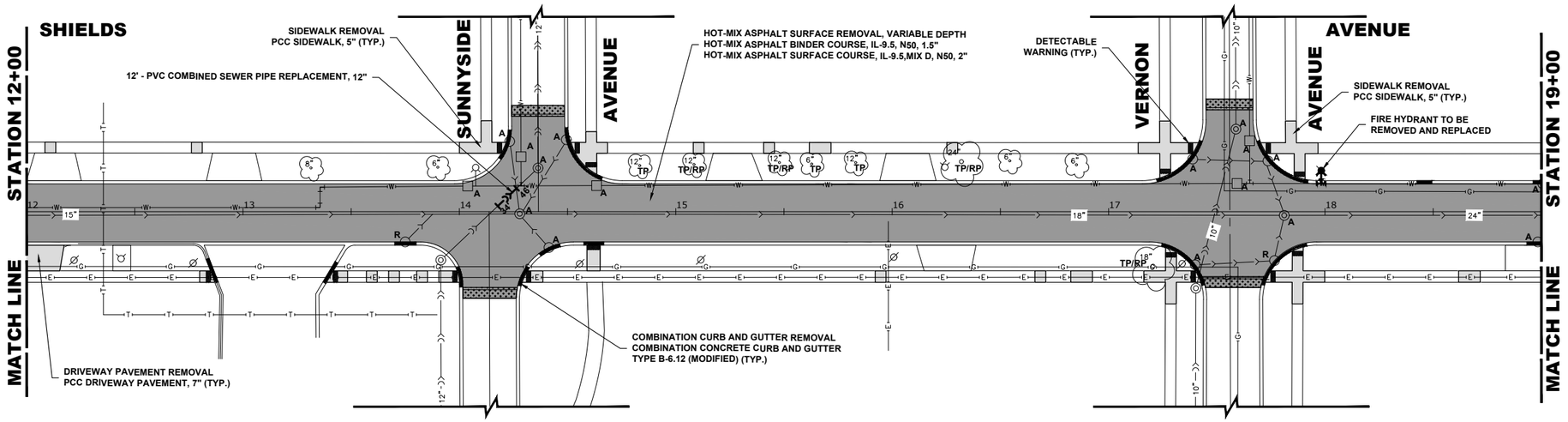


NOTES:

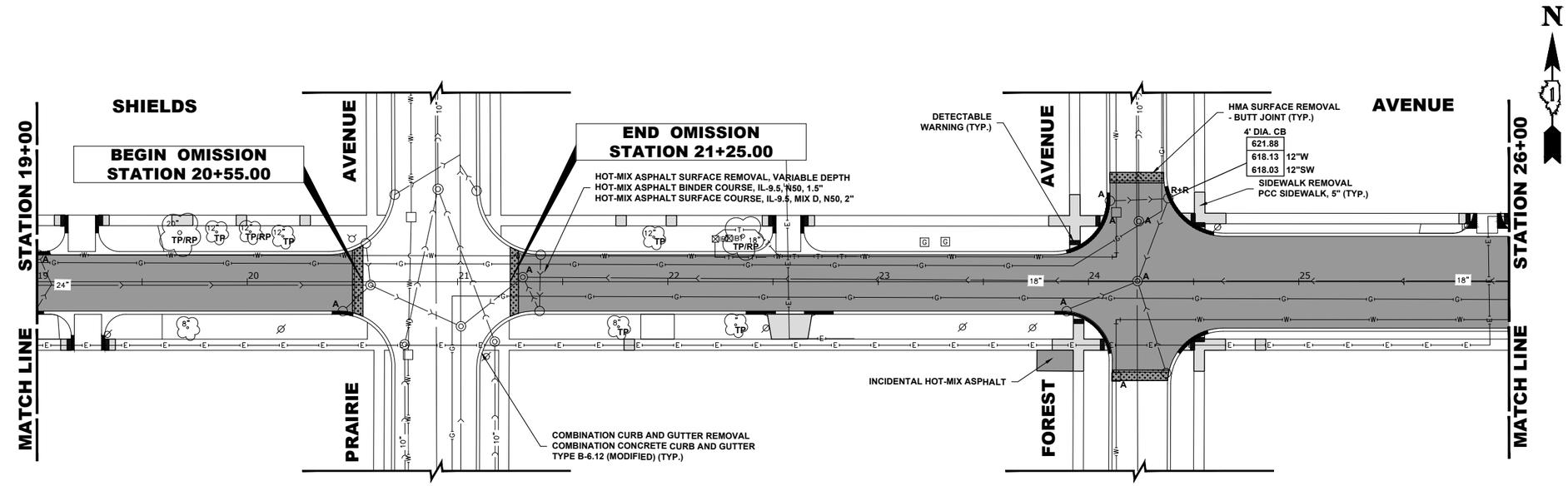
ALL STORM LATERALS ARE 12" DIP

PROPOSED IMPROVEMENTS

LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-07)

SYMBOL	DESCRIPTION
A	EXISTING HOT-MIX ASPHALT AREA
C	EXISTING CONCRETE AREA
G	EXISTING GRASS AREA
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	REMOVE AND REINSTALL BRICK PAVER
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
AH	HANDHOLE TO BE ADJUSTED
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
1B	NEW FRAME AND LID, TYPE 1, WATERTIGHT BOLT DOWN LID
R+R	STRUCTURE TO BE REMOVED AND REPLACED
R	STRUCTURE TO BE RECONSTRUCTED
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	PROPOSED STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING CURB AND GUTTER
	PROPOSED CONCRETE CURB, TYPE B
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
	EXISTING WATER MAIN
TP	TREE TRUNK PROTECTION
RP	TREE ROOT PRUNING



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLAN

SCALE: 1" = 30' | SHEET NO. 2 OF 3 SHEETS | STA. 12+00 | TO STA. 26+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	10
		CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701

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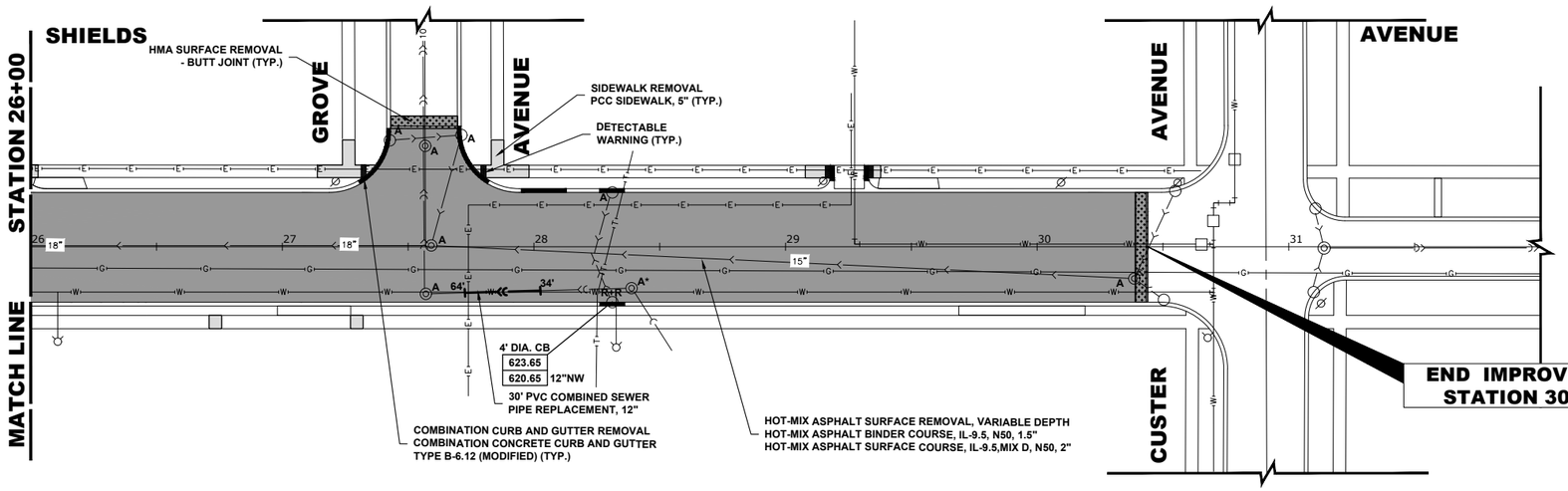

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LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-08)

SYMBOL	DESCRIPTION
A	EXISTING HOT-MIX ASPHALT AREA
C	EXISTING CONCRETE AREA
G	EXISTING GRASS AREA
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	REMOVE AND REINSTALL BRICK PAVER
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
AH	HANDHOLE TO BE ADJUSTED
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
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R+R	STRUCTURE TO BE REMOVED AND REPLACED
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	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	PROPOSED STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING CURB AND GUTTER
	PROPOSED CONCRETE CURB, TYPE B
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
W	EXISTING WATER MAIN
TP	TREE TRUNK PROTECTION
RP	TREE ROOT PRUNING

NOTES:

ALL STORM LATERALS ARE 12" DIP

PROPOSED IMPROVEMENTS

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Phone: 708/865-0800
www.ehancock.com

DESIGNED	-	REVISED	-
DRAWN	ECW, DMM, SFB	REVISED	-
CHECKED	-	REVISED	-
DATE	11-18-21	REVISED	1-10-21 IDOT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING PLAN

SCALE: 1" = 30' | SHEET NO. 3 OF 3 SHEETS | STA. 26+00 | TO STA. 31+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	11
		CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701

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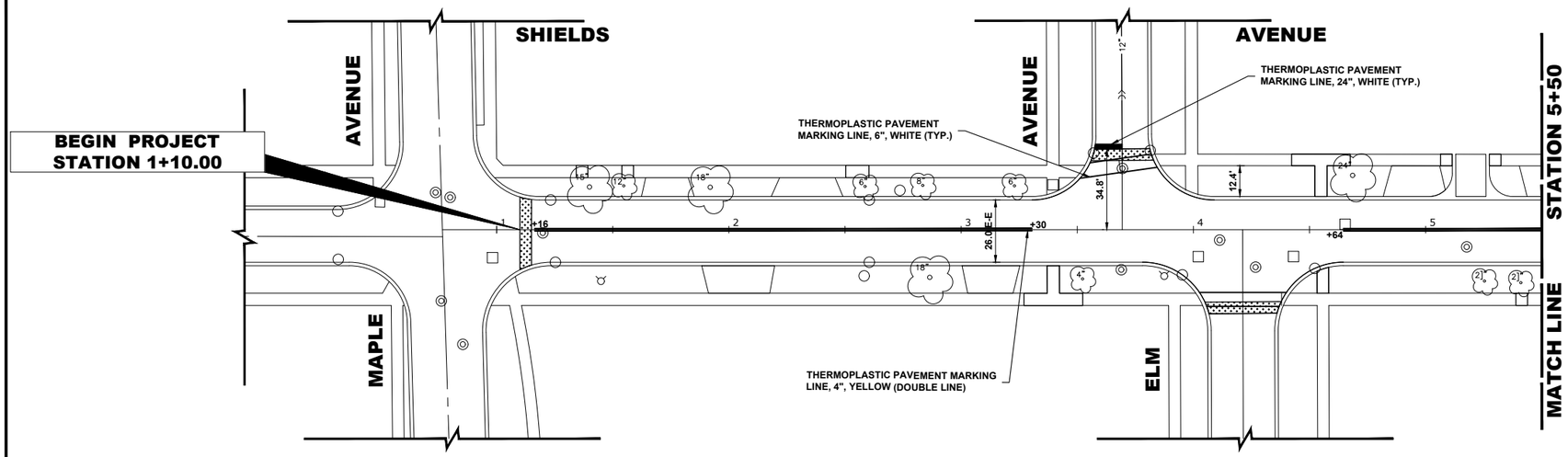
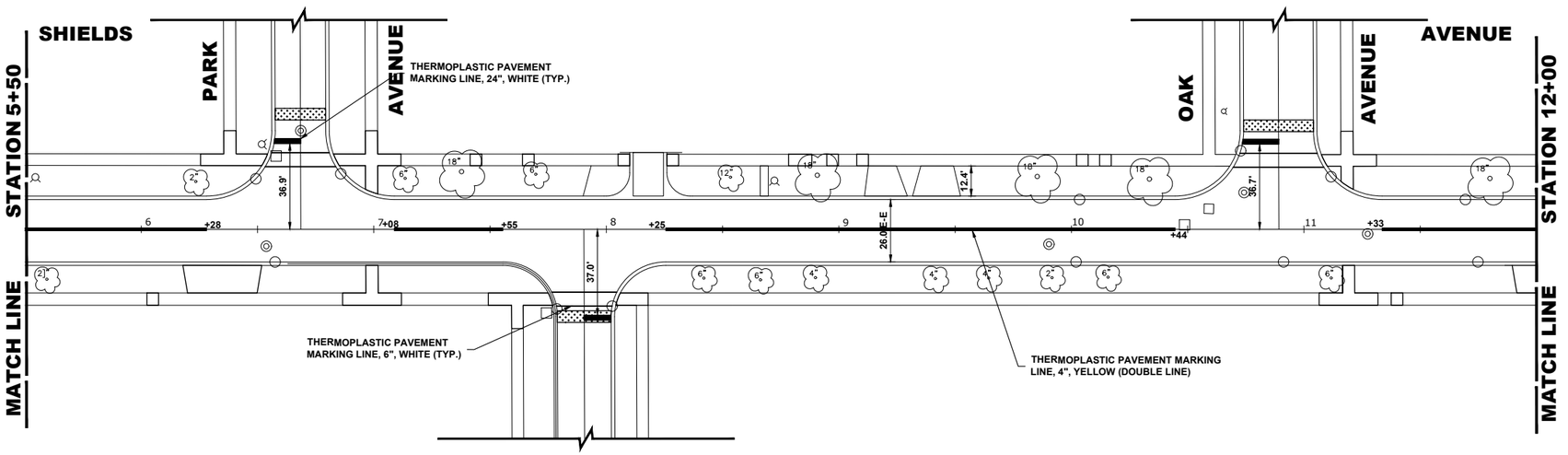


PROPOSED IMPROVEMENTS

LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-07)

SYMBOL	DESCRIPTION
A	EXISTING HOT-MIX ASPHALT AREA
C	EXISTING CONCRETE AREA
G	EXISTING GRASS AREA
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	REMOVE AND REINSTALL BRICK PAVER
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
	PROPOSED HOT-MIX ASPHALT RESURFACING AREA
A	STRUCTURE TO BE ADJUSTED
A*	STRUCTURE TO BE ADJUSTED (SPECIAL)
AH	HANDHOLE TO BE ADJUSTED
1C	NEW FRAME AND LID, TYPE 1, CLOSED LID
1P	NEW FRAME AND LID, TYPE 1, OPEN LID
1B	NEW FRAME AND LID, TYPE 1, WATERTIGHT BOLT DOWN LID
R+R	STRUCTURE TO BE REMOVED AND REPLACED
R	STRUCTURE TO BE RECONSTRUCTED
	EXISTING FIRE HYDRANT
	EXISTING WATER VALVE BOX
	EXISTING WATER MAIN VALVE VAULT
	EXISTING STORM SEWER INLET
	EXISTING STORM SEWER CATCH BASIN
	PROPOSED STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
	EXISTING STREET LIGHT POLE
	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING CURB AND GUTTER
	PROPOSED CONCRETE CURB, TYPE B
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
W	EXISTING WATER MAIN



PROPOSED IMPROVEMENTS

HANCOCK ENGINEERING
CVil Engineers
Municipal Consultants
Established 1911
7710 Roosevelt Road
Westchester, IL 60154-2762
Phone: 708/865-0900
www.hancockeng.com

DESIGNED	-	REVISED	-
DRAWN	ECW, DMM, SFB	REVISED	-
CHECKED	-	REVISED	1-10-21 IDOT
DATE	11-18-21	REVISED	12-21-21 MWRD

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

SCALE: 1" = 30' | SHEET NO. 1 OF 3 SHEETS | STA. 1+00 | TO STA. 12+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	12
		CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701

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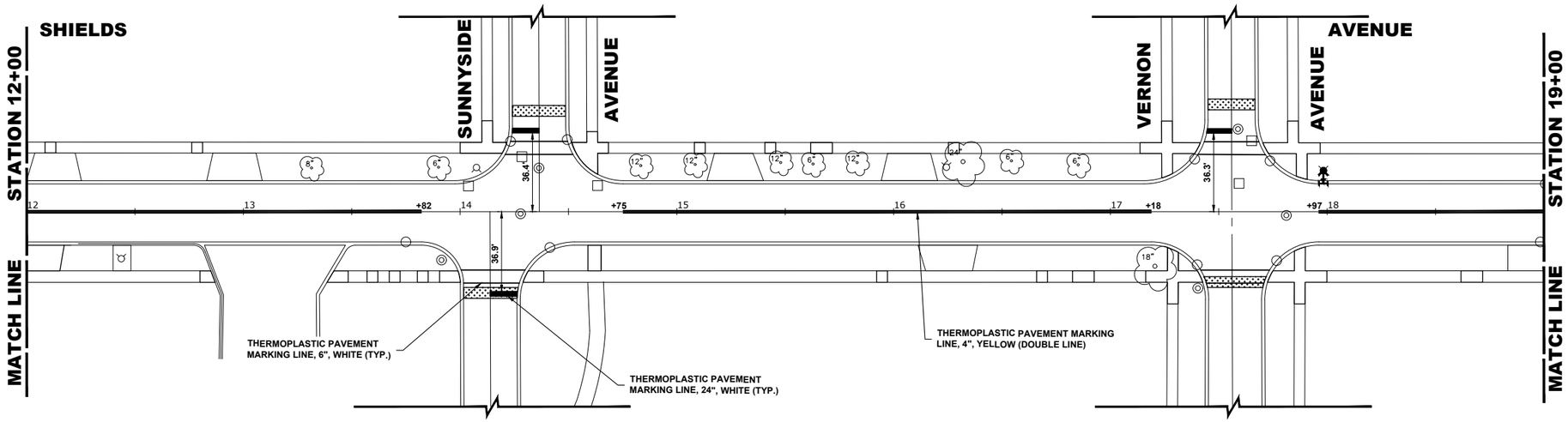
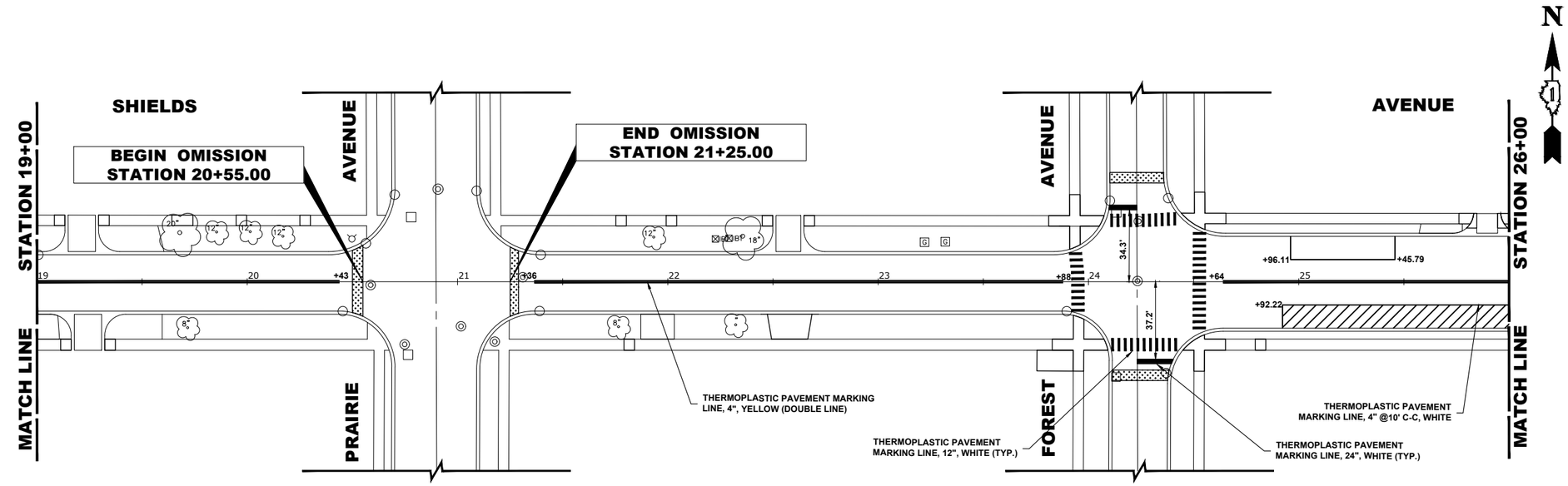


PROPOSED IMPROVEMENTS



PROPOSED IMPROVEMENTS

LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-07)

SYMBOL	DESCRIPTION
A	EXISTING HOT-MIX ASPHALT AREA
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	EXISTING STORM SEWER CATCH BASIN
	PROPOSED STORM SEWER CATCH BASIN
	EXISTING SEWER MANHOLE
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	EXISTING COMBINED SEWER
	EXISTING WATER MAIN

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DESIGNED –	-	REVISED –	
DRAWN –	ECW, DMM, SFB	REVISED –	
CHECKED –	-	REVISED –	1-10-21 IDOT
DATE –	11-18-21	REVISED –	12-21-21 MWRD

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

SCALE: 1" = 30' | SHEET NO. 2 OF 3 SHEETS | STA. 12+00 | TO STA. 26+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	13
		CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701

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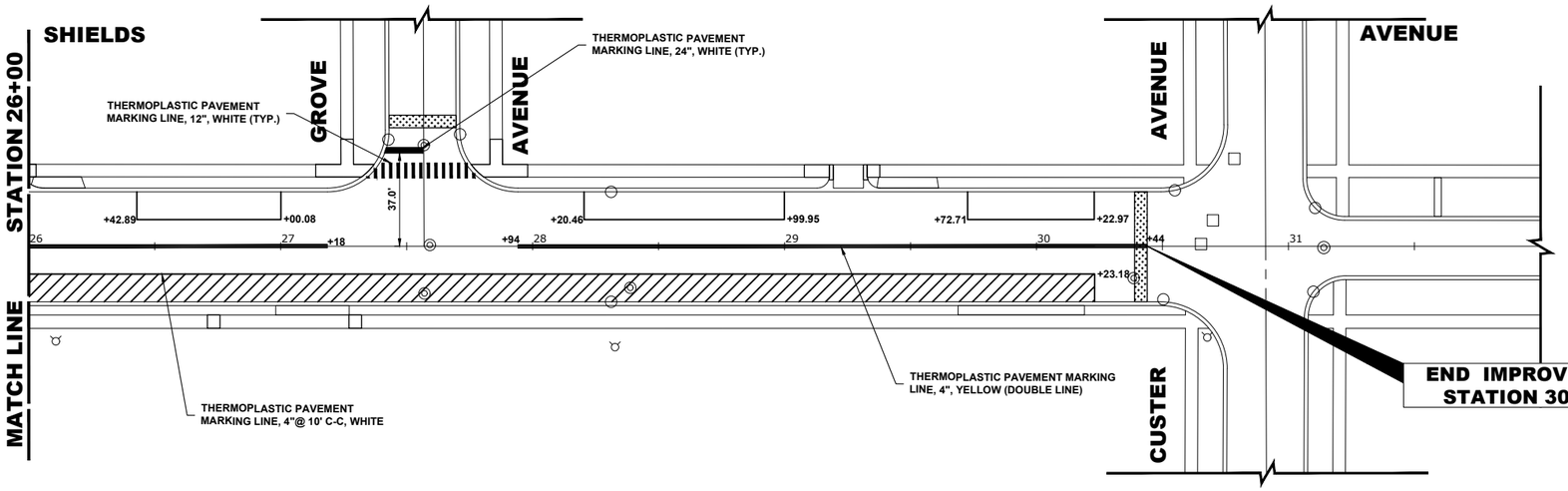

N

LEGEND OF SYMBOLS

(TO BE USED IN CONJUNCTION WITH I.D.O.T. STANDARD 000001-08)

SYMBOL	DESCRIPTION
A	EXISTING HOT-MIX ASPHALT AREA
C	EXISTING CONCRETE AREA
G	EXISTING GRASS AREA
	PROPOSED HOT-MIX ASPHALT BUTT JOINT
	REMOVE AND REINSTALL BRICK PAVER
	PROPOSED CONCRETE AREA, 5" SIDEWALK, 7" DRIVEWAY
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	EXISTING POWER POLE
	EXISTING HANDHOLE
	EXISTING CURB AND GUTTER
	PROPOSED CONCRETE CURB, TYPE B
	PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
	EXISTING STORM SEWER
	EXISTING COMBINED SEWER
W	EXISTING WATER MAIN

PROPOSED IMPROVEMENTS

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www.ahancock.com

DESIGNED	-	REVISED	-
DRAWN	ECW, DMM, SFB	REVISED	-
CHECKED	-	REVISED	-
DATE	11-18-21	REVISED	1-10-21 IDOT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

SCALE: 1" = 30' | SHEET NO. 3 OF 3 SHEETS | STA. 26+00 | TO STA. 31+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	14
		CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701

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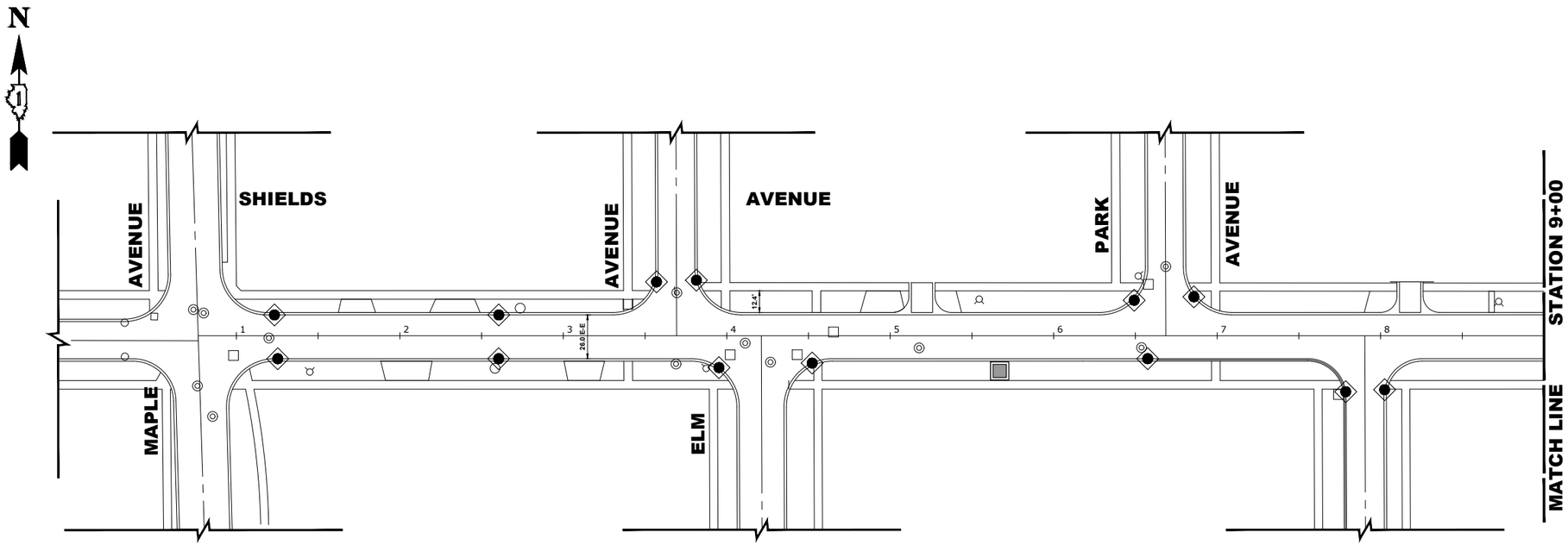
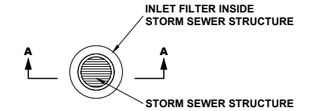


LEGEND

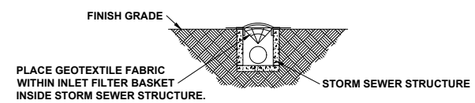
SYMBOL	DESCRIPTION
◆	INLET FILTER/SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
■	CONCRETE WASHOUT

CONSTRUCTION SEQUENCE :

1. INSTALL EROSION CONTROL MEASURES
2. COMPLETE ALL UNDERGROUND WORK
3. PAVEMENT PATCHING
4. RESURFACE PAVEMENTS
5. RESTORE DAMAGED AREAS ADJACENT TO IMPROVEMENTS
6. REMOVE EROSION CONTROL MEASURES



PLAN VIEW



SECTION A-A

INLET FILTER

EROSION AND SEDIMENT CONTROL PLAN

THE EXISTING LAND COVER CONSISTS OF PAVED STREETS WITH MINOR GRASS PARKWAYS LOCATED IN A RESIDENTIAL AREA. THE AREAS ADJACENT TO THE PROJECT SITE ARE COMPRISED OF DENSE RESIDENTIAL PROPERTIES. FLOOD PROTECTION AREAS AND POINTS OF DISCHARGE TO JURISDICTIONAL WATERS OF THE U.S. DO NOT EXIST ON THIS PROJECT. WE DO NOT BELIEVE THERE ARE ANY AREAS SUSCEPTIBLE TO EROSION OR SEDIMENTATION DUE TO THESE IMPROVEMENTS. SOIL DATA IS NOT AVAILABLE BUT, PAST PROJECTS IN THE SUBJECT VILLAGE CONCLUDE THAT THE EXISTING SOIL CONSISTS OF CLAY WITH SOME MINOR SILT AND TRACES OF SAND.

PRIOR TO ANY SOIL/PAVEMENT DISTURBANCE, INLET FILTER ASSEMBLIES SHALL BE INSTALLED AS SHOWN ON PLANS.

THE INLET FILTER, PRIMARY PURPOSE IS TO TRAP SEDIMENT, REQUIRED FOR THIS PROJECT WILL BE A DROP IN INLET PROTECTION DEVICE SIMILAR TO FLEXSTORM INLET FILTERS. INLET FILTERS OF THIS TYPE HAVE BEEN USED ON PAST PROJECTS OF SIMILAR SIZE AND SCOPE AND HAVE HAD SATISFACTORY RESULTS.

THE INLET FILTER ASSEMBLY SHALL BE APPROVED BY THE ENGINEER OR VILLAGE PRIOR TO ORDERING AND INSTALLATION. THE INLET FILTER SHALL BE INSPECTED WEEKLY AND AFTER A 0.5 INCH RAIN EVENT BY THE ENGINEER. THE ENGINEER WILL REPORT ANY ISSUES, VIA VERBAL OR WRITTEN COMMUNICATION, THAT NEED TO BE ADDRESSED BY THE CONTRACTOR.

MAINTENANCE OF THE PROPOSED INLET FILTER WILL BE PER MANUFACTURE RECOMMENDATIONS AND WILL BE DONE BY THE CONTRACTOR. TYPICAL MAINTENANCE PRACTICES INCLUDE INSPECTION AFTER A RUNOFF EVENT, SEDIMENT REMOVAL AT 50% CAPACITY, AND REPAIRS/REPLACEMENT AS NEEDED.

PRIOR TO ANY PORTLAND CEMENT CONCRETE (PCC) POUR, CONCRETE WASHOUT BOXES SHALL BE INSTALLED AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.

CONCRETE WASHOUT BOXES, PRIMARY PURPOSE IS TO CONTAIN CONCRETE LIQUIDS AND PREVENT CONCRETE LIQUID RUNOFF FROM ENTERING SEWERS OR WATERWAYS, REQUIRED FOR THIS PROJECT WILL CONSIST OF A BARRIER WALL LINED WITH 30-MIL POLYETHYLENE OR AN ENGINEER APPROVED EQUAL WASHOUT. CONCRETE WASHOUT BOXES OF THIS TYPE HAVE BEEN USED ON PAST PROJECTS OF SIMILAR SIZE AND SCOPE AND HAVE HAD SATISFACTORY RESULTS.

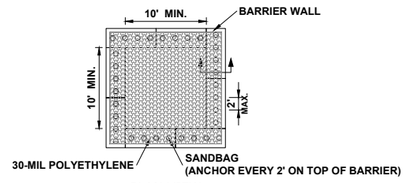
THE PLAN FOR THE CONCRETE WASHOUT BOX SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER OR VILLAGE PRIOR TO INSTALLATION AND WILL BE INSPECTED AFTER INSTALLATION. THE WASHOUT BOX SHALL BE INSPECTED PRIOR TO A CONCRETE POUR AND AFTER A CONCRETE POUR BY THE ENGINEER. THE ENGINEER WILL REPORT ANY ISSUES, VIA VERBAL OR WRITTEN COMMUNICATION, THAT NEED TO BE ADDRESSED BY THE CONTRACTOR.

MAINTENANCE OF THE PROPOSED CONCRETE WASHOUT BOXES WILL BE DONE BY THE CONTRACTOR. TYPICAL MAINTENANCE PRACTICES INCLUDE REPLACING DAMAGED LINER, DISPOSING OF SOLIDIFIED CONCRETE WASHOUT, AND REMOVAL OF ANY DISCHARGES WITHIN 24 HOURS.

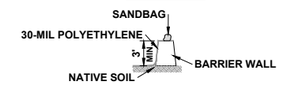
ALL DISPOSAL OF CONSTRUCTION MATERIAL, AND SOLIDIFIED CONCRETE SHALL BE AT A CCDD (CLEAN CONSTRUCTION AND DEMOLITION DEBRIS) FACILITY

NOTES

1. SEE IDOT STANDARD 280001-07 FOR TEMPORARY EROSION CONTROL SYSTEMS.
2. THE CONTRACTOR SHALL ENSURE THAT ADJACENT PROPERTIES REMAIN PROTECTED FROM SEDIMENT DEPOSITION.
3. SOIL STOCKPILES SHALL BE PROTECTED WITH PERIMETER EROSION BARRIER OR OTHER EROSION PROTECTION SPECIFIED BY THE RESIDENT ENGINEER. THE COST SHALL BE INCLUDED IN THE UNIT PRICE FOR THE INDIVIDUAL SOIL MATERIALS.
4. WHEREVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS. PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. THE PROVISIONS MAY INCLUDE SPRAYING VEHICLE WHEELS TO CLEAR SEDIMENT BEFORE EXITING THE CONSTRUCTION SITE OR OTHER MEASURES APPROVED BY THE ENGINEER.
5. INLET FILTERS SHALL BE PAID FOR UNDER THE PAY ITEM FOR MAINTENANCE OF ROADWAYS. THE COST OF THE CONCRETE WASHOUTS SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
6. INLET FILTER SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETED. FILTERS WILL BE INSPECTED WEEKLY AND THE CONTRACTOR WILL BE NOTIFIED OF ANY CORRECTIVE MEASURES THAT WILL BE REQUIRED TO BE MADE BY THE CONTRACTOR.



PLAN VIEW



SANDBAG ANCHOR

BARRIER WALL ANCHOR SECTION

NOTES

1. MAINTAINING TEMPORARY CONCRETE FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDEN CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.

CONCRETE WASHOUT

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Municipal Consultants
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Westchester, IL 60154-2760
Phone: 708/865-0800
www.ehancock.com

DESIGNED	-	REVISED	–
DRAWN	ECW, DMM, SFB	REVISED	–
CHECKED	-	REVISED	–
DATE	11-18-21	REVISED	–

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: 1" = 30' | SHEET NO. 1 OF 2 SHEETS | STA. 1+10 | TO STA. 9+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	15
		CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701

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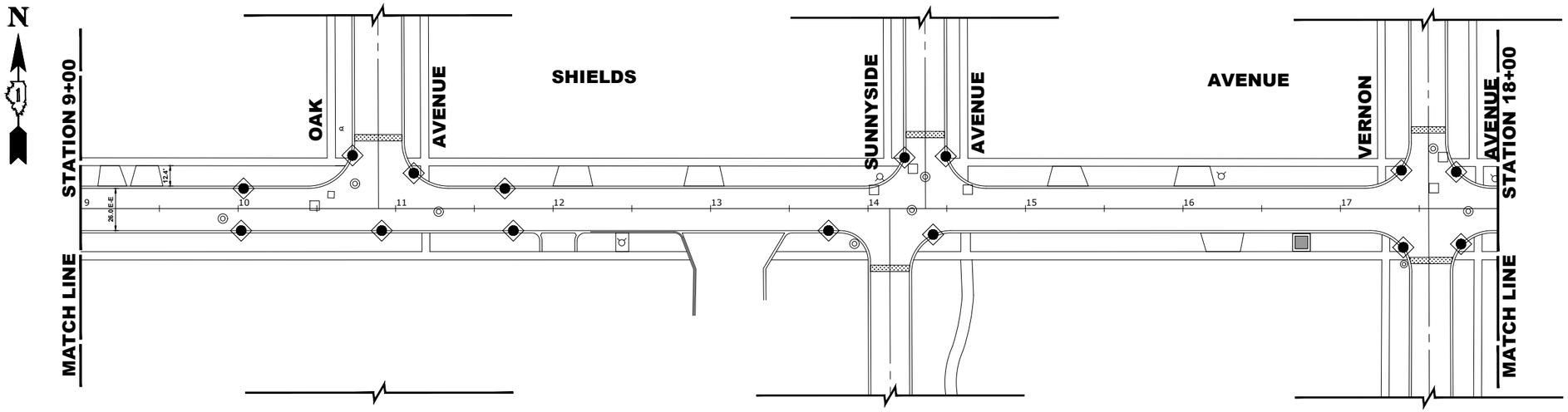

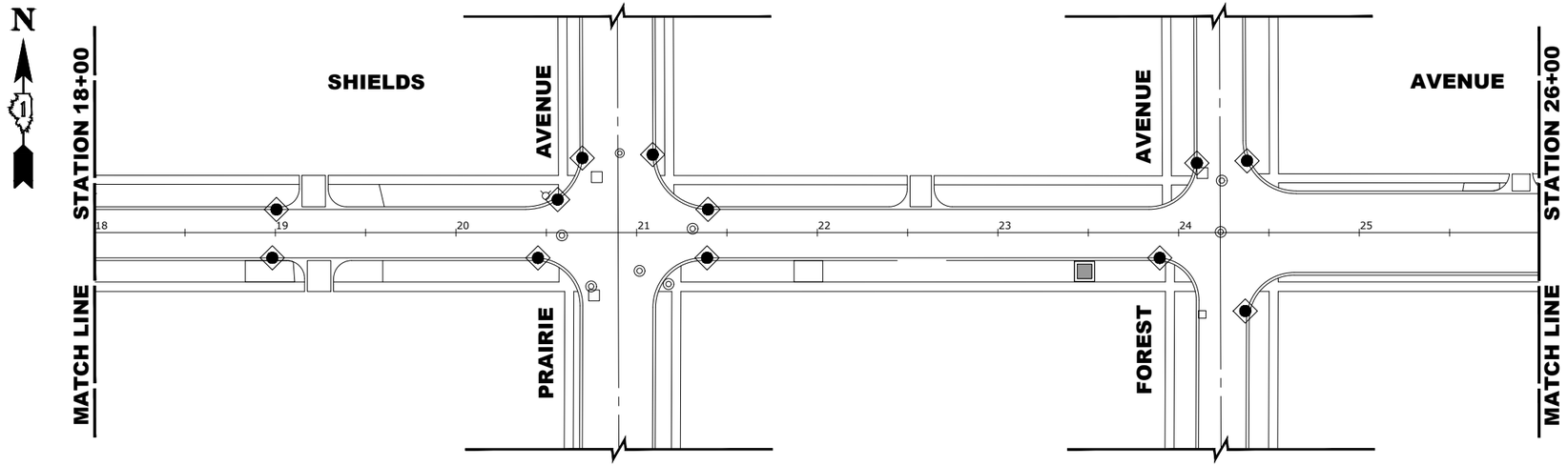

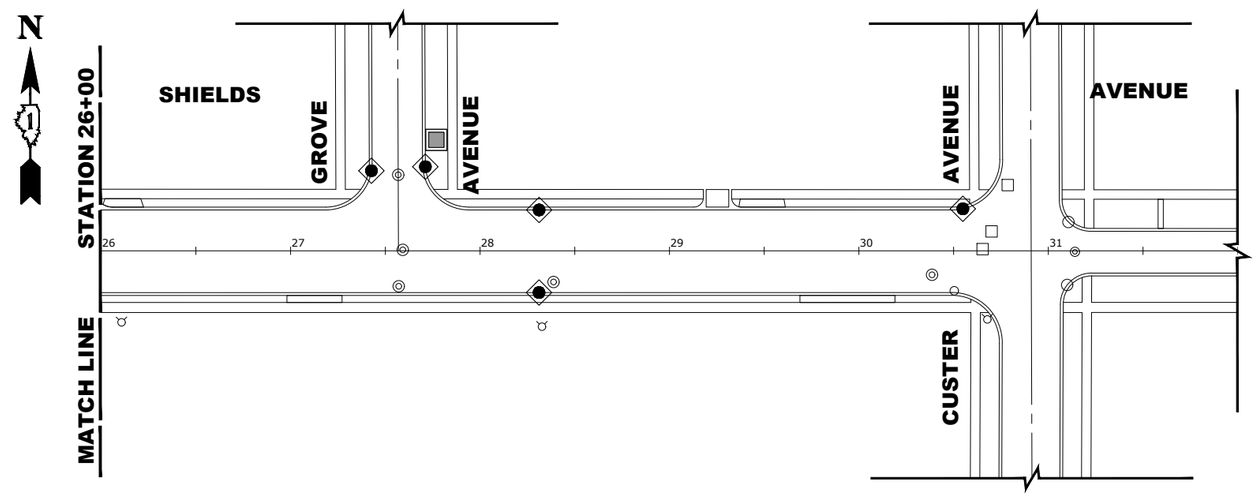

LEGEND

SYMBOL	DESCRIPTION
◆	INLET FILTER/SEDIMENT CONTROL, DRAINAGE STRUCTURE, INLET FILTER CLEANING
■	CONCRETE WASHOUT

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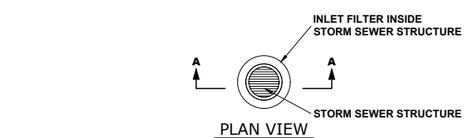
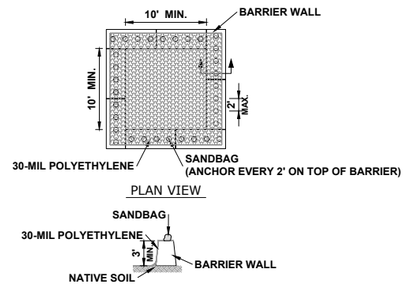


PLAN VIEW

SECTION A-A

INLET FILTER



PLAN VIEW

SANDBAG ANCHOR

BARRIER WALL ANCHOR SECTION

NOTES

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DRAWN –	ECW, DMM, SFB	REVISED	–
CHECKED –	-	REVISED	–
DATE –	11-18-21	REVISED	–

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: 1" = 30' | SHEET NO. 2 OF 2 SHEETS | STA. 9+00 | TO STA. 31+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	16
		CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701

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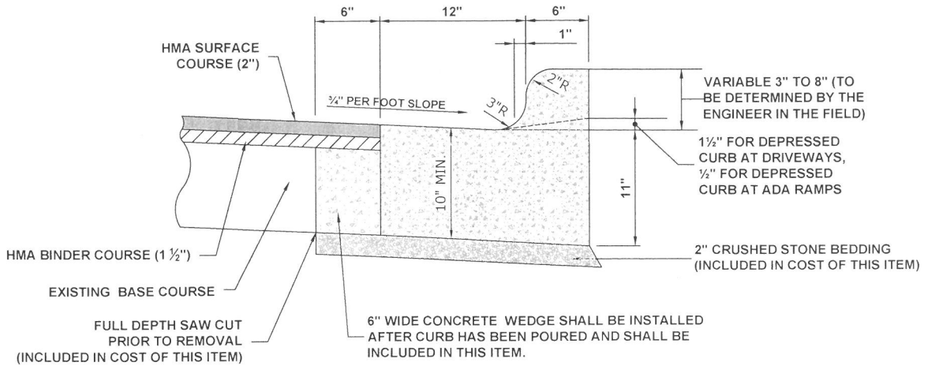
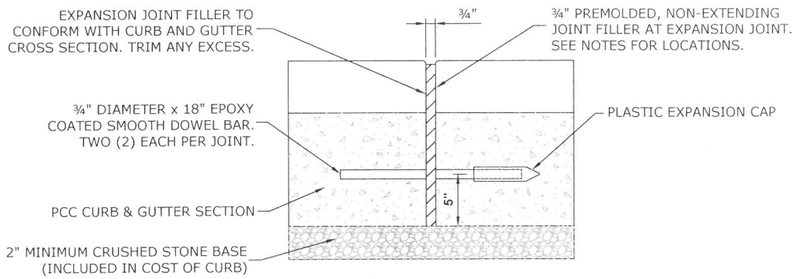
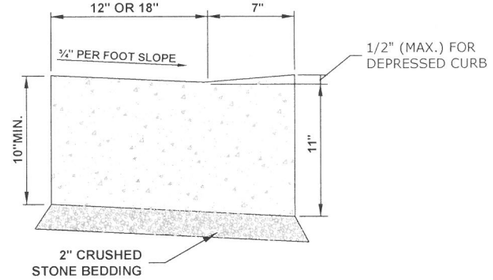


COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12 (MODIFIED)

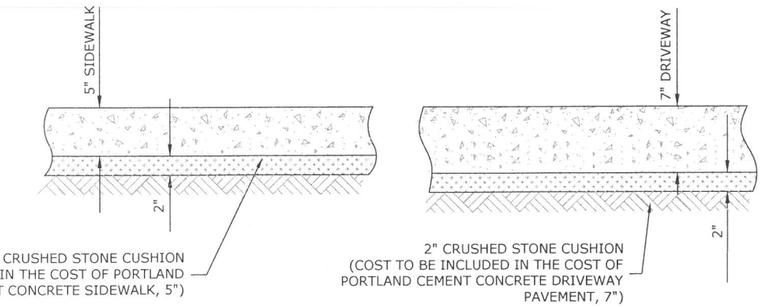


NOTE:
1. EXPANSION JOINTS ARE TO BE CONSTRUCTED AT ALL PC'S & PT'S OF INTERSECTION RETURNS AND ALL OTHER SHORT RADIUS SECTIONS, CONSTRUCTION JOINTS, EVERY 60' ON TANGENT SECTIONS, AND AS DIRECTED BY THE ENGINEER.

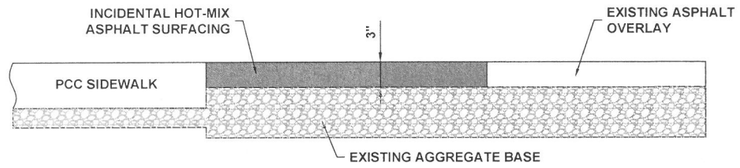
TYPICAL CURB AND GUTTER EXPANSION JOINT



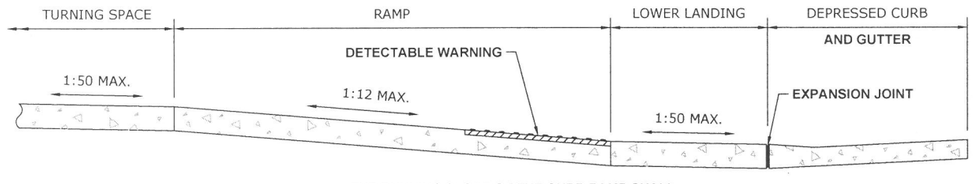
CURB AND GUTTER AT A.D.A. RAMPS



TYPICAL P.C.C. SIDEWALK & DRIVEWAY

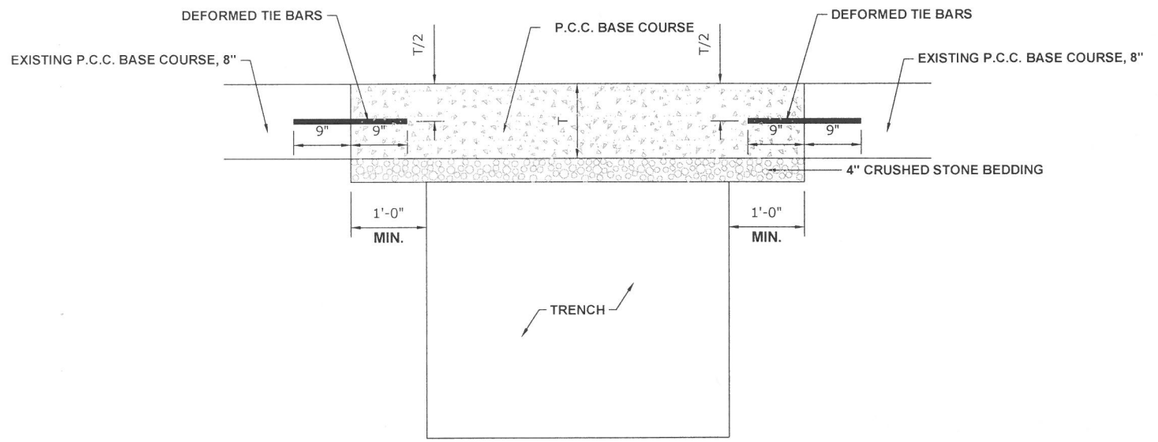


INCIDENTAL HOT-MIX ASPHALT SURFACE



THE RUNNING SLOPE OF THE CURB RAMP SHALL NOT REQUIRE THE CURB LENGTH TO EXCEED 15'.

ADA RAMP



PAVEMENT PATCH

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
9933 Roosevelt Road
Westchester, IL 60154-2780
Phone: 708-865-0300
www.ahancock.com

DESIGNED	-	REVISED	-
DRAWN	ECW, DMM, SFB	REVISED	-
CHECKED	-	REVISED	-
DATE	11-18-21	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOB SPECIFIC BROOKFIELD DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	17
		CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701

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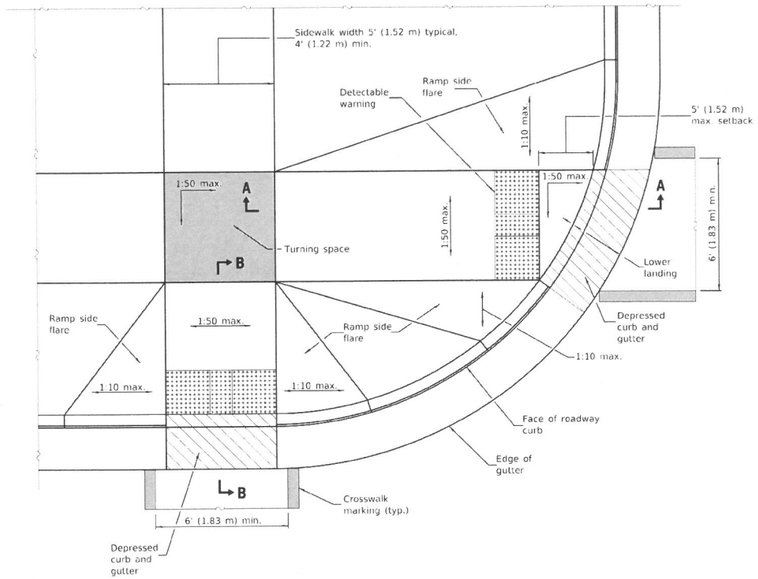
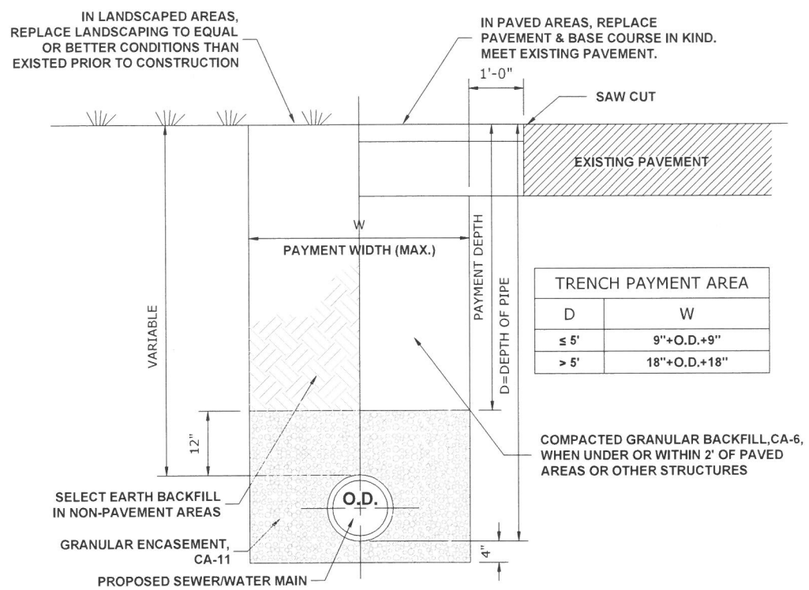
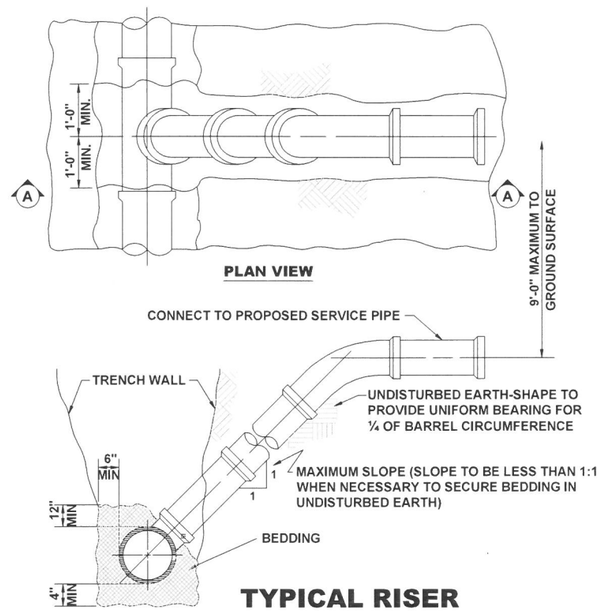


PERPENDICULAR CURB RAMPS FOR SIDEWALKS

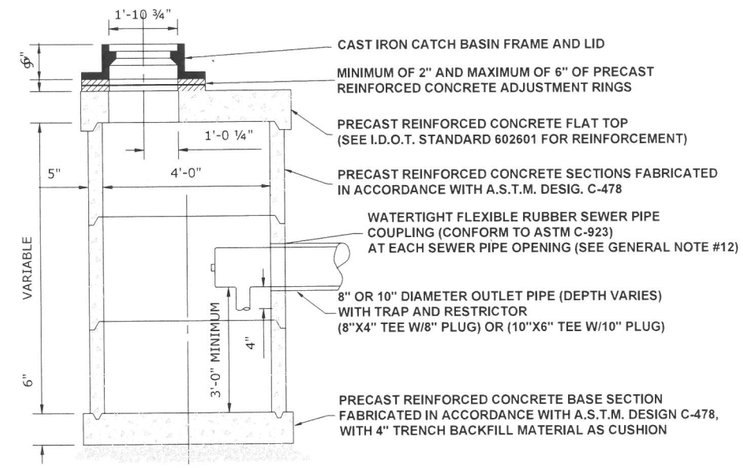


TRENCH PAYMENT AREA	
D	W
≤ 5'	9"+O.D.+9"
> 5'	18"+O.D.+18"

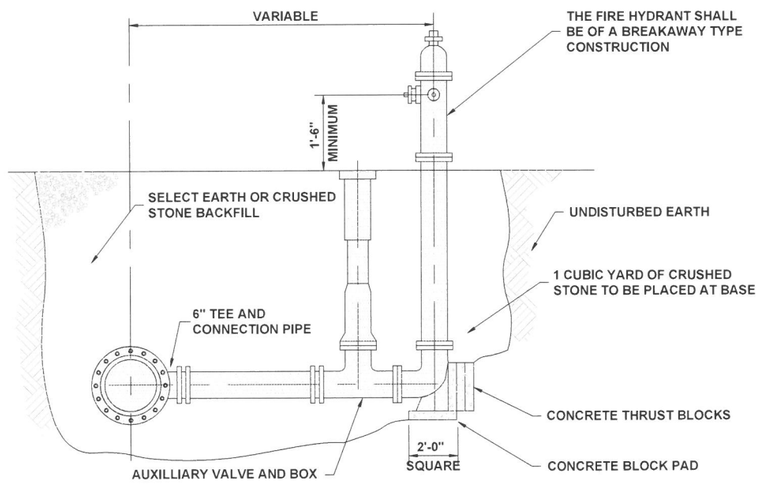
TYPICAL SEWER AND WATER MAIN TRENCH



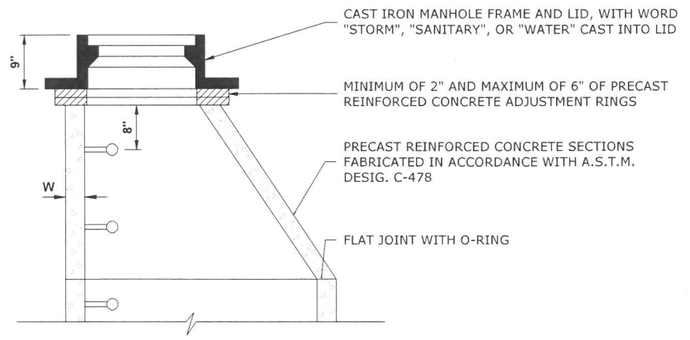
TYPICAL RISER FOR SERVICE LATERAL



RESTRICTED DEPTH CATCH BASIN



FIRE HYDRANT



STRUCTURE RECONSTRUCTION

HANCOCK ENGINEERING
Civil Engineers
Municipal Consultants
Established 1911
9933 Roosevelt Road
Westchester, IL 60154-2780
Phone: 708-865-0300
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DESIGNED	-	REVISED	-
DRAWN	ECW, DMM, SFB	REVISED	-
CHECKED	-	REVISED	-
DATE	11-18-21	REVISED	-

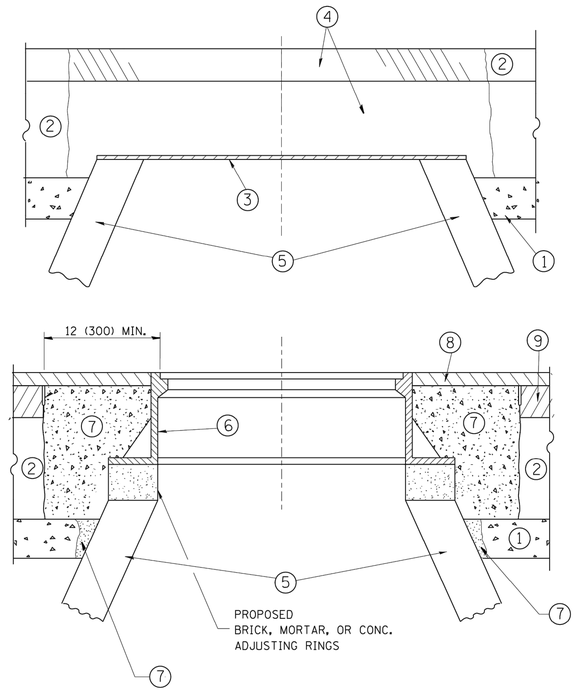
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOB SPECIFIC BROOKFIELD DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	18
		CONTRACT NO. 61H67		
	FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701



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.

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

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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	19
	BD600-03 (BD-8)	CONTRACT NO.	61H67	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	1CJB(436)	

E.H.E. PROJECT NO. 125-21-00701

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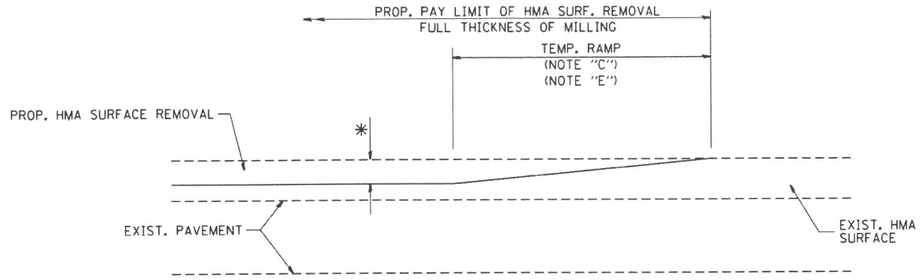
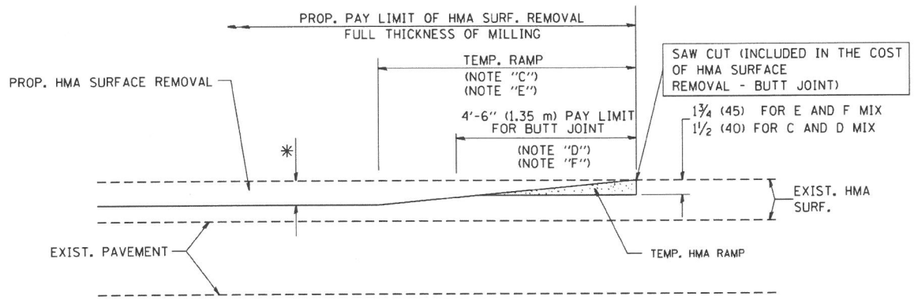


MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

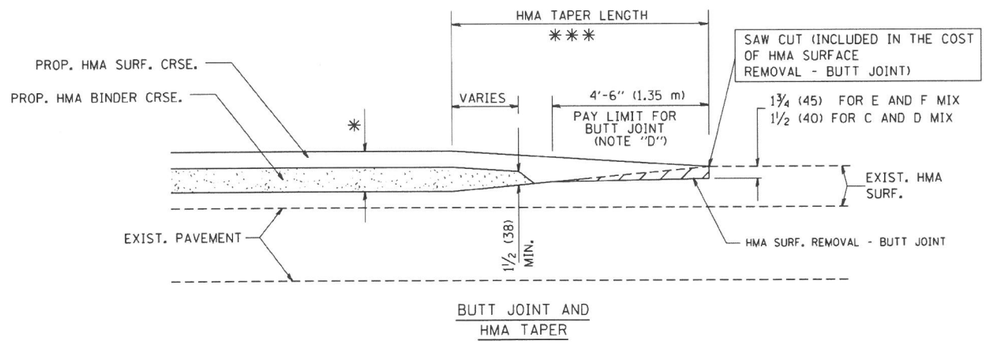


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

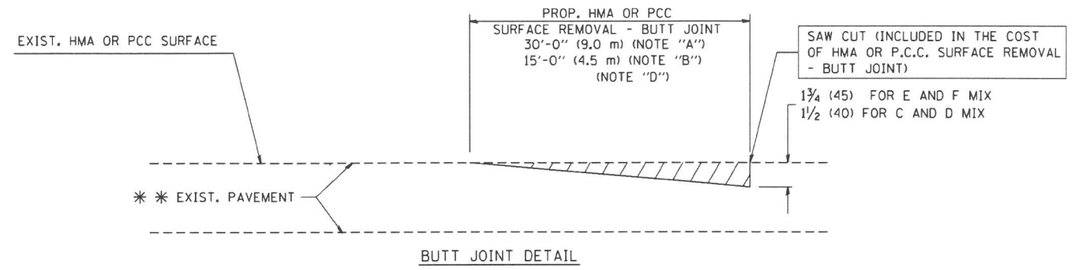
OPTION 2

TYPICAL TEMPORARY RAMP

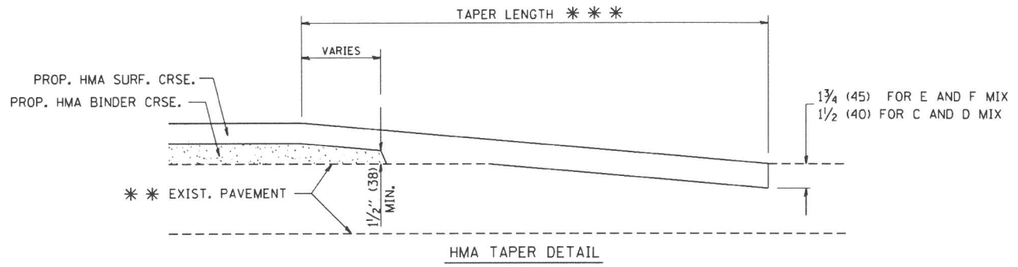


BUTT JOINT AND HMA TAPER

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.

FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	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

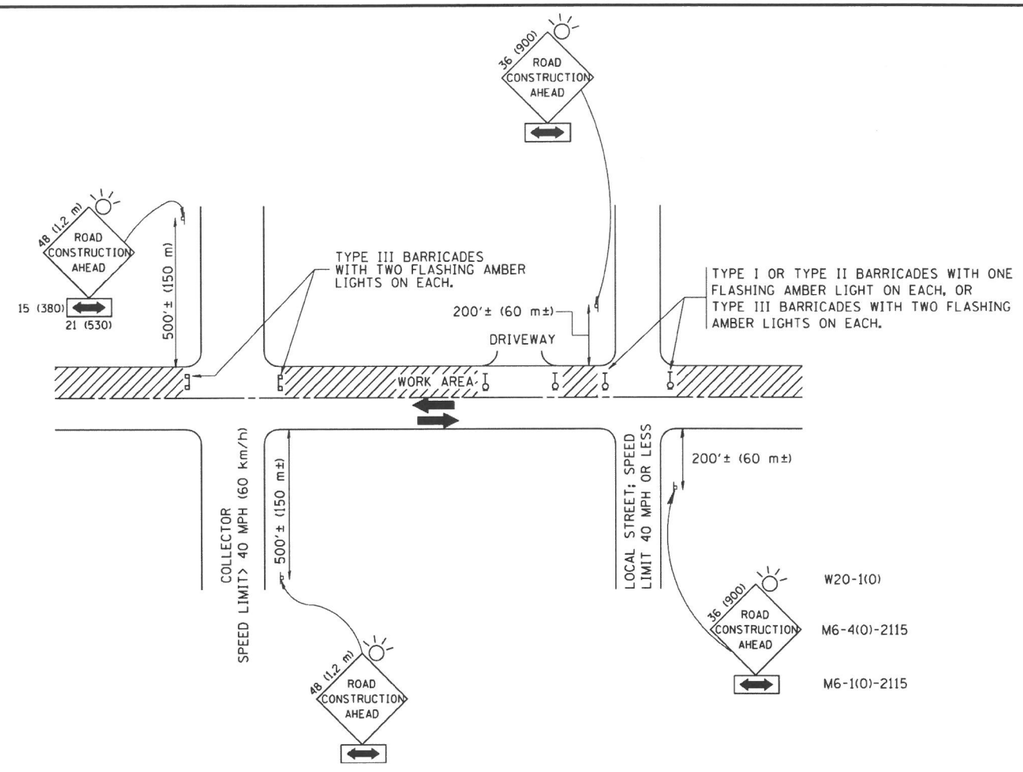
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	20
	BD400-05 BD32	CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701



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

NOTES:

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

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

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

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

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

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

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

FILE NAME = W:\diststd\22x34\tc10.dgn	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	21
	TC-10	CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701

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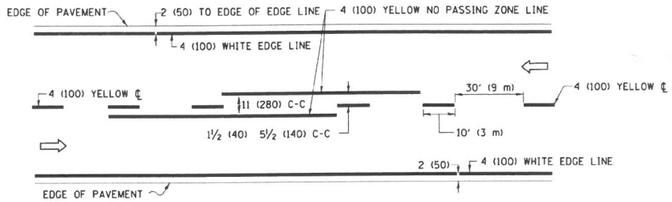
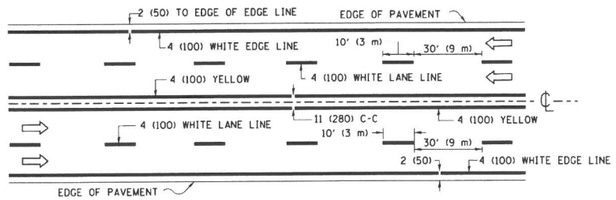
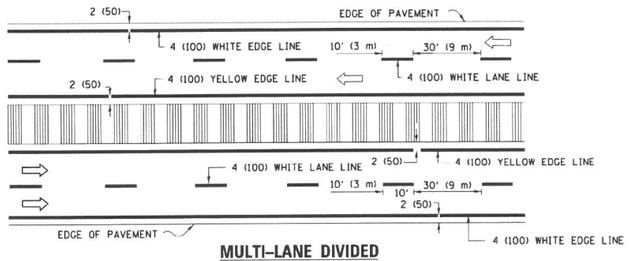


2–LANE ROADWAY

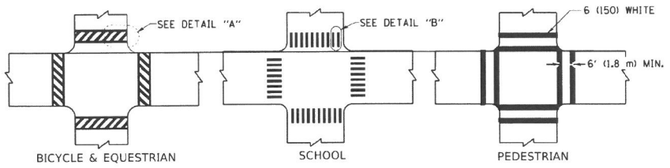


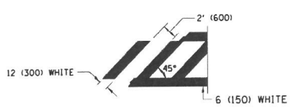
MULTI–LANE UNDIVIDED



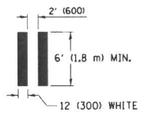
MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING





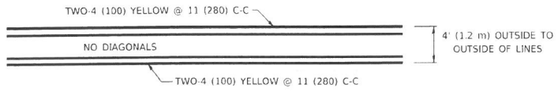
DETAIL "A"



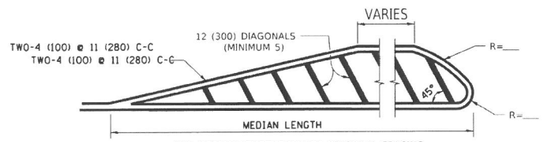
DETAIL "B"

TYPICAL CROSSWALK MARKING

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



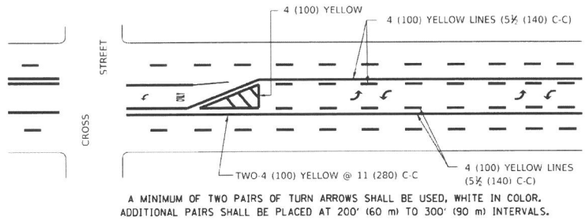
4' (1.2 m) WIDE MEDIANS ONLY



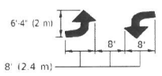
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

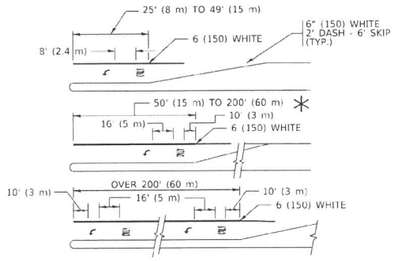


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

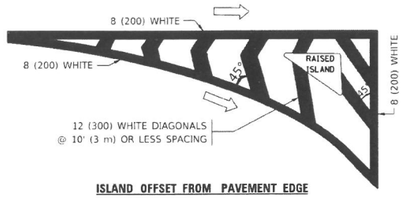


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m²) **ONLY** AREA = 20.8 SQ. FT. (1.9 m²)

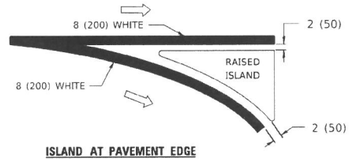
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

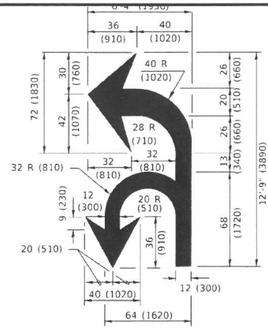


ISLAND OFFSET FROM PAVEMENT EDGE

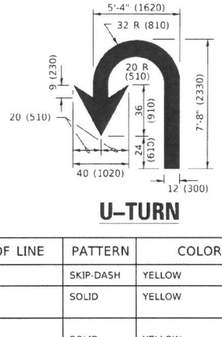


ISLAND AT PAVEMENT EDGE

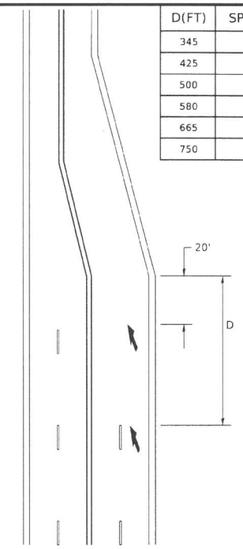
TYPICAL ISLAND MARKING



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.

Drawing file: W:\Projects_by_Village\Brookfield\12521007 – Shields Ave LAFO\IDOT Standard.dwg Feb 03, 2022 – 11:41am

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09	
	DRAWN -	REVISED - C. JUCIUS 07-01-13	
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15	
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16	

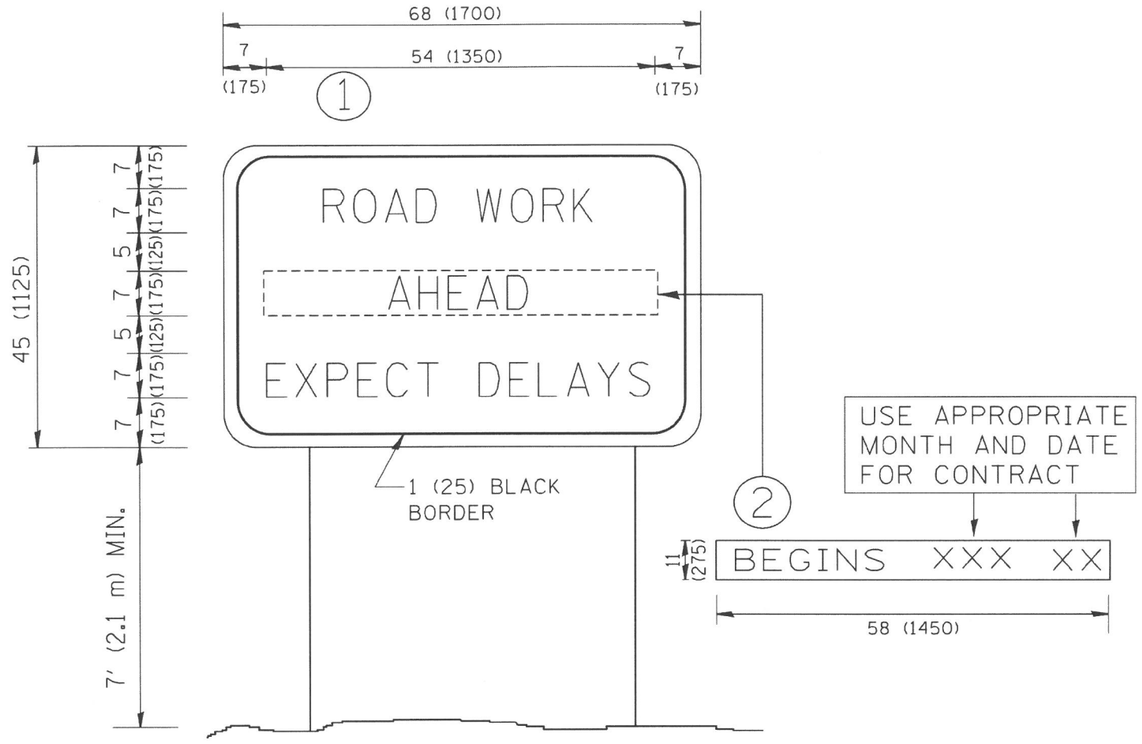
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	22
	TC-13	CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

E.H.E. PROJECT NO. 125-21-00701



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
		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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1365	21-00136-00-RS	COOK	23	23
	TC-22	CONTRACT NO. 61H67		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 1CJB(436)		

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Drawing file: W:\Projects_by_Village\Brookfield\12521007 - Shields Ave LAFO\001 Standard.dwg Feb 03, 2022 - 11:41am