

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94/90	*	COOK	588	134
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
62303 • (2021-922 PT2 ETC 2324.6-1P/R-11)				

DRAINAGE & UTILITIES NOTES:

- THE LOCATIONS OF EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, REPRESENT DATA RECEIVED FROM VARIOUS SOURCES. IT IS NOT GUARANTEED TO BE CORRECT OR ALL INCLUSIVE. THE CONTRACTOR MUST CONDUCT HIS OWN INVESTIGATIONS INTO THE LOCATION, SIZE, DEPTH, AND NATURE OF ANY AND ALL EXISTING UTILITIES WHICH MAY IMPACT THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE MUST BE FULLY PROTECTED BY THE CONTRACTOR AND ANY DAMAGE CAUSED BY THE CONSTRUCTION MUST BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROTECTION OF ANY AND ALL SURFACE AND UNDERGROUND UTILITIES, EVEN THOUGH THEY MAY NOT BE IDENTIFIED ON THE PLANS.
- THE CONTRACTOR MUST COORDINATE CONSTRUCTION ACTIVITIES WITH THE RESPECTIVE UTILITIES OF THE CITY OF CHICAGO. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR MUST CALL THE CHICAGO UTILITY ALERT NETWORK (C.U.A.N.) AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRICAL, TELEPHONE, CABLE, AND GAS FACILITIES (48 HOURS NOTIFICATION IS REQUIRED). THE CONTRACTOR MUST CONTACT THE CITY OF CHICAGO DEPARTMENT OF WATER MANAGEMENT, PERMIT SECTION AT (312) 747-7893 FOR WATER AND CITY SEWER LOCATIONS.
- THE CONTRACTOR MUST MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR MUST PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, INLETS, AND CATCH BASINS. THE CONTRACTOR MUST PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. THE CONTRACTOR MUST PROVIDE AND MAINTAIN A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL INSTALLATION IS COMPLETE, INCLUDING PAVEMENT. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT MUST BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- WHEN, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN DRAINAGE STRUCTURES AND THE FLOW OF WATER IS OBSTRUCTED, IT MUST BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES (NEW AND EXISTING) MUST BE FREE OF ALL DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT MUST BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- THE CONTRACTOR MUST PROTECT THE EXISTING MAIN DRAIN DROP MANHOLES FROM THE ENTRY OF ANY LOOSE MATERIAL AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT MUST BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- THE CONTRACTOR MUST PROTECT NEW DRAINAGE STRUCTURES FROM THE ENTRY OF ERODED SOILS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT MUST BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- THE LOCATION OF DRAINAGE STRUCTURES AND PIPES CONSTRUCTED UNDER PREVIOUS CONTRACTS IS BASED ON CONTRACT PLAN DRAWINGS AVAILABLE DURING DESIGN. THE CONTRACTOR MUST FIELD VERIFY LIMITS, LOCATIONS, AND ELEVATIONS OF PREVIOUS CONSTRUCTION.
- STORM SEWER PLUGS MUST BE INCLUDED IN THE COST OF THE ASSOCIATED PIPE REMOVAL ITEMS AND WILL NOT BE PAID SEPARATELY.
- 'PIPE UNDERDRAINS 6" (SPECIAL)' WILL BE USED TO CONNECT TO DRAINAGE STRUCTURES. CONNECTION ELEVATIONS MUST BE DETERMINED BY THE CONTRACTOR BASED ON A MINIMUM LATERAL CONNECTING SLOPE OF 1%.
- THE CONTRACTOR MUST ENSURE POSITIVE DRAINAGE TO ALL INLETS, CATCHBASINS, AND OPEN MANHOLES.
- GRATES MUST BE INSTALLED WITH THE VANES ORIENTED AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL TEMPORARY OR PERMANENT CONNECTIONS OF SEWERS AND UNDERDRAINS TO PROPOSED AND EXISTING DRAINAGE STRUCTURES, INCLUDING ANY NEW HOLES REQUIRED IN THE DRAINAGE STRUCTURE, MUST BE CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED STORM SEWER OR PIPE UNDERDRAIN ITEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- STATION AND OFFSET VALUES GIVEN FOR EXISTING STRUCTURES REPRESENT THE APPROXIMATE CENTER OF THE EXISTING CASTING.
- DRAINAGE REMOVALS IN THE VICINITY OF THE CTA ARE SHOWN BASED ON RECORD DRAWINGS AND SURVEY WHERE AVAILABLE. ALL EXISTING ACTIVE DRAINAGE CONNECTIONS FROM THE CTA MUST BE MAINTAINED. ALL ACTIVE DRAINAGE CONNECTIONS FROM THE CTA DISCOVERED DURING CONSTRUCTION MUST BE MAINTAINED AS DIRECTED BY THE ENGINEER. MAINTENANCE OF ANY ACTIVE DRAINAGE CONNECTIONS FROM THE CTA THAT ARE DISCOVERED DURING CONSTRUCTION WILL NOT BE PAID SEPARATELY, BUT MUST BE INCLUDED IN THE COST OF THE ASSOCIATED DRAINAGE REMOVAL ITEMS.
- STATION AND OFFSET VALUES GIVEN FOR PROPOSED DRAINAGE STRUCTURES REPRESENT THE CENTER OF THE CASTING.
- EXISTING LATERAL SEWERS WITHIN THE DAN RYAN PROJECT LIMITS (FRONTAGE ROAD AND MAINLINE) THAT ARE TO REMAIN IN PLACE, MUST BE CLEANED OF SILT OR ANY OTHER DEBRIS AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AS 'CLEANING STORM SEWERS'.

- ALL PROPOSED LATERAL STORM SEWERS MUST BE INSTALLED AT A MINIMUM SLOPE OF 1% UNLESS OTHERWISE INDICATED. CONNECTIONS TO EXISTING SEWERS OR STRUCTURES MUST BE INCLUDED WITH THE ASSOCIATED STORM SEWER PAY ITEM. FRONTAGE ROAD STORM SEWER LATERALS WILL VARY BASED ON EXISTING SEWER INVERTS AND UTILITY CONFLICTS.
- ALL SEWERS TO BE ABANDONNED MUST BE FILLED WITH GROUT SLURRY AND PLUGGED AT THE UPSTREAM END.
- TOP OF FRAME ELEVATIONS ON DRAINAGE STRUCTURES MUST BE MODIFIED TO MEET FINISHED SHOULDER AND CURB AND GUTTER FLOWLINE ELEVATIONS AS DIRECTED BY THE ENGINEER.
- FOR CLARITY, PIPE UNDERDRAINS IN THE PLAN VIEW ARE NOT NECESSARILY DRAWN IN THEIR EXACT INSTALLATION LOCATIONS. SEE TYPICAL SECTIONS AND DRAINAGE DETAILS FOR EXACT LOCATIONS OF PIPE UNDERDRAINS.
- FOR IDOT ITEMS, THE CONTRACTOR MUST USE FLAT SLAB TOPS IN LIEU OF CONICALLY TAPERED TOPS FOR MANHOLES AND CATCHBASINS WHEREVER NECESSARY TO AVOID CONFLICTS WITH EXISTING UTILITIES. FLAT SLAB TOPS WILL NOT BE MEASURED FOR PAYMENT, BUT MUST BE INCLUDED IN THE UNIT COST OF THE ASSOCIATED DRAINAGE STRUCTURES.
- IF FIELD CONDITIONS REQUIRE COMED ASSISTANCE (MANHOLE FRAME/COVER ADJUSTMENTS), CONTACT COMED PROJECT ENGINEER, DON RIES, 773-838-2905, SIX WEEKS PRIOR TO START OF WORK IN THE RELATED AREA.
- IF FIELD CONDITIONS REQUIRE AT&T ASSISTANCE (MANHOLE FRAME/COVER ADJUSTMENTS), CONTACT AT&T, STAN PLODZIEN, 708-396-7604. 48 HOURS NOTIFICATION REQUIRED.

DRAINAGE & UTILITIES LEGEND:

	EXISTING	PROPOSED
STORM SEWER		
PIPE UNDERDRAIN		
WATER MAIN		
GAS MAIN		
SANITARY SEWER		
CABLE TELEVISION		
FIBER OPTIC		
TELEPHONE		
ELECTRIC		
IDOT ELECTRICAL CONDUIT*		
UTILITY REMOVAL		
ABANDONNED UTILITY		
MAIN DRAIN SEWER		
INLET		
CATCH BASIN		
MANHOLE		
SURFACE DRAINAGE STRUCTURE (SEE SCHEDULE FOR TYPE)		
PGL CREST POINT		
PGL SAG POINT		
DRAINAGE STRUCTURE NUMBER**		
STRUCTURE TO BE CLEANED		
STRUCTURE TO BE FILLED		
STRUCTURE TO BE REMOVED		
STRUCTURE TO BE RECONSTRUCTED		
STRUCTURE TO BE ADJUSTED		
FRAMES AND GRATES TO BE ADJUSTED		
STRUCTURE TO BE ADJUSTED, SPECIAL		
HIGH MAST LIGHT TOWER LOCATION - SEE HIGH MAST TOWER SCHEDULE FOR DETAILS		

BOWMAN, BARRETT & ASSOCIATES INC
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* SEE ELECTRICAL INFRASTRUCTURE SHEETS, AND CONTRACTS 62583 AND 62733 FOR ADDITIONAL INFORMATION

** DRAINAGE STRUCTURE NUMBERING CONVENTION:
'CC' = DAN RYAN CONTRACT NUMBER (EX. STR. ONLY)
(14 = IDOT CONTRACT 62300)
(15 = IDOT CONTRACT 62302)
'SS' = SHEET NUMBER IN DRAINAGE & UTILITY SEQUENCE
'XX' = STRUCTURE NUMBER ON SHEET

REVISIONS	
NAME	DATE
REVISED	6/21/06

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
GARFIELD BLVD TO 31ST STREET (SB LOCAL LANES)
DRAINAGE SCHEDULES
DRAINAGE NOTES & LEGEND

SCALE: 1"=N.T.S. DRAWN BY: JAM
DATE: 06/09/06 CHECKED BY: DDM

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6/21/2006 2:55:36 PM