

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. THE CONTRACTOR MUST FIELD VERIFY LOCATIONS 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.
- 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.
- ALL 'DRAINAGE STRUCTURES, TYPE 1 SPECIAL' AND 'DRAINAGE STRUCTURES, TYPE 2 SPECIAL' MUST HAVE MINIMUM 2'-0" SUMP BELOW LOWEST INVERT ELEVATION.
- PROPOSED STORM SEWER PLUGS ARE INCLUDED IN THE COST OF STORM SEWER PIPE. STORM SEWERS SHALL BE PLUGGED WITH BRICK AND SUITABLE MORTAR, OR BY AN ALTERNATE MEANS THAT IS ACCEPTABLE TO THE ENGINEER.

DRAINAGE & UTILITIES LEGEND:

	EXISTING	PROPOSED		EXISTING	PROPOSED
STORM SEWER			INLET		
PIPE UNDERDRAIN			CATCH BASIN		
WATER MAIN			MANHOLE		
GAS MAIN			SURFACE DRAINAGE STRUCTURE (SEE SCHEDULE FOR TYPE)		
SANITARY SEWER			PGL CREST POINT		
CABLE TELEVISION			PGL SAG POINT		
FIBER OPTIC			PROPOSED DRAINAGE STRUCTURE NUMBER		
TELEPHONE			MAIN DRAIN DROP MANHOLE		
ELECTRIC			JUNCTION CHAMBER TYPE 2		
UTILITY REMOVAL			STRUCTURE TO BE CLEANED		
ABANDONNED UTILITY			STRUCTURE TO BE FILLED		
			STRUCTURE TO BE REMOVED		
MAIN DRAIN SEWER			STRUCTURE TO BE RECONSTRUCTED		
			STRUCTURE TO BE ADJUSTED		
			FRAMES AND GRATES TO BE ADJUSTED		

SUMMARY OF SPECIAL DRAINAGE STRUCTURES

ITEM	STRUCTURE NUMBER	TYPE	STATION	OFFSET
MAIN DRAIN DROP MANHOLE, NO. 1	DMH 3-01	PROPOSED DROP MANHOLE	2380+11	1' RT
JUNCTION CHAMBER, NO. 1	JC 4-01	JUNCTION CHAMBER TYPE 1	2387+01	4' LT
MAIN DRAIN DROP MANHOLE, NO. 2	DMH 5-01	PROPOSED DROP MANHOLE	2391+41	8' LT
MAIN DRAIN DROP MANHOLE, NO. 3	DMH 6-01	PROPOSED DROP MANHOLE	2398+63	2' LT
JUNCTION CHAMBER, NO. 2	JC 7-01	JUNCTION CHAMBER TYPE 1	2407+35	3' LT
MAIN DRAIN DROP MANHOLE, NO. 4	DMH 8-01	PROPOSED DROP MANHOLE	2411+68	4' LT
MAIN DRAIN DROP MANHOLE, NO. 5	DMH 9-01	PROPOSED DROP MANHOLE	2417+25	4' RT
JUNCTION CHAMBER, NO. 3	JC 10-01	JUNCTION CHAMBER TYPE 2	2423+23	2' LT
JUNCTION CHAMBER, NO. 4	JC 11-01	JUNCTION CHAMBER TYPE 2	2429+82	4' LT
JUNCTION CHAMBER, NO. 5	JC 13-01	JUNCTION CHAMBER TYPE 2	2437+54	8' LT
JUNCTION CHAMBER, NO. 6	JC 14-01	JUNCTION CHAMBER TYPE 2	2445+54	16' LT
JUNCTION CHAMBER, NO. 7	JC 15-01	JUNCTION CHAMBER TYPE 2	2450+62	8' LT
JUNCTION CHAMBER, NO. 8	JC 17-01	JUNCTION CHAMBER TYPE 2	2460+76	8' LT
JUNCTION CHAMBER, NO. 9	JC 17-02	JUNCTION CHAMBER TYPE 2	2465+33	7' LT
JUNCTION CHAMBER, NO. 10	JC 22-01	JUNCTION CHAMBER TYPE 2	2494+18	5' LT
JUNCTION CHAMBER, NO. 11	JC 25-01	JUNCTION CHAMBER TYPE 2	2510+45	6' LT
JUNCTION CHAMBER, NO. 12	JC 26-01	JUNCTION CHAMBER TYPE 2	2517+50	7' LT
JUNCTION CHAMBER, NO. 13	JC 27-01	JUNCTION CHAMBER TYPE 2	2522+92	5' LT
	DMH 29-01	EX. DROP MANHOLE	2534+68	9' LT
	DMH 30-01	EX. DROP MANHOLE	2540+70	6' LT
	DMH 32-01	EX. DROP MANHOLE	2548+69	3' LT
	DMH 34-01	EX. DROP MANHOLE	2560+34	5' LT
	DMH 34-02	EX. DROP MANHOLE	2564+74	3' LT
	DMH 36-01	EX. DROP MANHOLE	2572+66	4' LT
	DMH 39-01	EX. DROP MANHOLE	2592+12	8' LT
	DMH 40-01	EX. DROP MANHOLE	2600+96	8' LT
	DMH 46-01	EX. DROP MANHOLE	2637+79	8' LT

SEE STRUCTURAL DRAWINGS FOR DETAILS OF EXISTING MAIN DRAIN DROP MANHOLES AND PROPOSED JUNCTION CHAMBERS
SEE CONTRACT 62302 FOR ADDITIONAL SPECIAL DRAINAGE STRUCTURES

REVISIONS	
NAME	DATE
ADDENDUM 1	8/12/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94/90 (DAN RYAN EXPRESSWAY)
31ST STREET TO 71ST STREET
NB EXPRESS LANE RECONSTRUCTION
DRAINAGE NOTES & LEGEND
SCALE: 1"=N.T.S. DRAWN BY: JAM
DATE: 07/07/05 CHECKED BY: DDM