

**GENERAL NOTES**

- A-1. THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, PROJECT SPECIFICATIONS, ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, THE CITY OF DES PLAINES, THE METROPOLITAN WATER RECLAMATION DISTRICT, ALL APPLICABLE REQUIREMENTS OF THE ORDINANCES OF AUTHORITIES HAVING JURISDICTION AND ALL ADDENDA THERETO SHALL GOVERN THIS WORK.
- A-2. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINE AND GRADES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCY. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- A-3. WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT. THE CONTRACTOR'S FAILURE TO FOLLOW THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.
- A-4. DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING OR ANY OTHER METHOD ACCEPTABLE TO THE ENGINEER.
- A-5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE FROM THE SITE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM HIS CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE.
- A-6. CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL AREAS AFFECTED BY EQUIPMENT OR LABORERS TO EXISTING CONDITIONS. CONTRACTOR IS ALSO RESPONSIBLE FOR PROTECTING ALL NEW WORK UNTIL COMPLETION OF THIS CONTRACT.
- A-7. EXISTING UTILITIES: WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY WHATSOEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES, J.U.L.I.E., DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM.
- A-8. THE CITY OF DES PLAINES SHOULD BE CONTACTED 48 HOURS PRIOR TO THE START OF ANY EXCAVATION. 847-391-5300
- A-9. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
- A-10. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM TO CONTINUOUSLY MONITOR FOR WORKERS SAFETY AND SOIL CONTAMINATION AT SEVERAL AREAS. SEE SPECIAL PROVISION AND SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.
- A-11. THE ENVIRONMENTAL FIRM IS REQUIRED TO CONTINUOUSLY MONITOR FOR WORKER PROTECTION AND SOIL CONTAMINATION AT SEVERAL AREAS. SEE SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.

**UTILITY/EPA NOTES**

- B-1. SEWER AND WATER CONTRACTOR SHALL BE LICENSED AND BONDED WITH THE CITY.
- B-2. ALL SEWER AND WATERMAIN CONSTRUCTION SHALL CONFORM TO THE CITY OF DES PLAINES THE IEPA REQUIREMENTS, THE MWRD SEWER PERMIT ORDINANCE, AND THE STANDARD SPECIFICATIONS FOR SEWER AND WATERMAIN CONSTRUCTION IN ILLINOIS, PUBLISHED BY THE ISPE.
- B-3. THE CONTRACTOR SHALL PROVIDE A FINAL LIST OF SEWER AND WATER SERVICE MEASUREMENTS TO THE CITY AND TO THE PROJECT ENGINEER AT THE CONCLUSION OF THE JOB.
- B-4. 'BAND-SEAL' OR SIMILAR FLEXIBLE TYPE COUPLINGS SHALL BE USED WHEN CONNECTING SEWER PIPES OF DISSIMILAR MATERIALS.
- B-5. 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:
  - (1) CIRCULAR, SAW-CUT OF SEWER MAIN WITH PROPER TOOLS ("SEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUB - WYE SADDLE OR HUB - TEE SADDLE, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
  - (2) USING PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING. USE "BAND-SEAL" COUPLINGS OR SIMILAR COUPLINGS, AND SHEAR RINGS AND CLAMPS TO FASTEN THE INSERTED FITTING AND HOLD IT FIRMLY IN PLACE. MISSION COUPLINGS SHALL HAVE THE LENGTH OF BOOT APPROXIMATELY EQUAL TO THE PIPE DIAMETER. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR THE INSTALLATION.
- NO CUT-IN CONNECTION, MADE BY BREAKING OR CUTTING A HOLE IN THE MAIN AND INSERTING THE SPIGOT END OF AN ORDINARY SEWER PIPE SHALL BE PERMITTED.
- B-6. STORM SEWER STRUCTURES ARE TO BE PRECAST REINFORCED CONCRETE ECCENTRIC TYPE WITH A MINIMUM 48 INCH INSIDE DIAMETER BARREL SECTION. STEPS SHALL BE MADE OF STEEL REINFORCED PLASTIC, USING AN APPROVED PLASTIC MEETING ASTM D4101 TYPE II, GRADE 49108 OVER A #3 GRADE 60, ASTM A615, REINFORCING BAR. A MAXIMUM OF 8 INCHES OF ADJUSTING RINGS SHALL BE USED, WITH A MAXIMUM OF 2 RINGS. A FLAT SLAB TOP SHALL BE USED WHERE A CONE SECTION CANNOT BE PLACED DUE TO DEPTH RESTRICTIONS. A MINIMUM OF 4 INCHES OF ADJUSTING RINGS SHALL BE USED ON ALL FLAT SLAB STRUCTURES.
- B-7. ALL STRUCTURE SECTIONS AND ADJUSTING RINGS SHALL BE SECURELY SEALED TO EACH OTHER OR TO THE FRAME, CONE SECTION OF THE STRUCTURE USING RESILIENT, FLEXIBLE, NON-HARDENING, PERFORMED, BITUMINOUS MASTIC (RAM-NEK, OR APPROVED EQUAL.) THIS MASTIC SHALL BE APPLIED IN SUCH A MANNER THAT NO SURFACE WATER OR GROUND WATER INFLOW CAN ENTER THE STRUCTURE THROUGH GAPS BETWEEN BARREL SECTIONS OR CONE SECTIONS AND ADJUSTING RINGS.

- B-8. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING JULIE AS WELL AS ALL UTILITY COMPANIES AND THE CITY. THE FACILITIES SHALL BE LOCATED PRIOR TO ANY WORK WITHIN ANY EASEMENT, R.O.W., OR SUSPECTED UTILITY LOCATION.
- B-9. MACHINE CORE ALL CONNECTIONS TO EXISTING STRUCTURES. PIPE PENETRATIONS INTO EXISTING SANITARY MANHOLES SHALL BE PROPERLY SIZED AND CORED AND SEALED WITH FLEXIBLE WATER TIGHT CONNECTIONS.
- B-10. ALL EXISTING STRUCTURES SHALL BE ADJUSTED AS NECESSARY TO MATCH PROPOSED GRADES & LANDSCAPING.
- B-11. ALL SEWERS AND WATER MAINS SHALL BE INSTALLED ON CRUSHED STONE BEDDING (CA-11) WITH A MINIMUM THICKNESS OF 4 INCHES. THE BEDDING MATERIAL SHALL BE PLACED AND COMPACTED TO THE SPRING LINE OF THE REINFORCED CONCRETE PIPE. BLOCKING OF ANY KIND FOR GRADE IS NOT PERMITTED. ALL PVC PIPE AND DUCTILE IRON PIPE SHALL BE INSTALLED ON CRUSHED STONE BEDDING (CA-11) WITH A MINIMUM THICKNESS OF 4 INCHES, PROPERLY COMPACT AND EXTEND THE BEDDING TO 12 INCHES OVER THE TOP OF THE PIPE.
- B-12. SERVICE CONNECTIONS TO NEW SEWERS SHALL BE MADE WITH WYE BRANCHES. WYE BRANCHES SHALL BE FACTORY MANUFACTURED PERMANENTLY AFFIXED TO THE MAIN SEWER. TEE BRANCHES ARE NOT ALLOWED.
- B-13. ALL STORM SEWER PIPE SHALL BE RCP CL IV, CONFORMING TO ASTM C-76, WITH JOINTS CONFORMING TO ASTM C-443. STORM SEWER PIPE REMOVED DURING DEMOLITION WILL NOT BE ALLOWED FOR USE FOR PROPOSED STORM SEWER PIPE.
- B-14. HORIZONTAL SEPARATION - WATER MAINS AND SEWERS:
  - (1) WATER MAINS SHALL BE LOCATED AT LEAST TEN FEET HORIZONTALLY FROM AN EXISTING OR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER, COMBINED SEWER OR SEWER SERVICE CONNECTION.
  - (2) WATER MAINS MAY BE LOCATED CLOSER THAN TEN FEET TO A SEWER LINE WHEN
    - (A) LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN FEET; AND
    - (B) THE BOTTOM OF THE WATER MAIN IS AT LEAST 18 INCHES ABOVE THE CROWN OF THE SEWER; AND
    - (C) THE WATER MAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER.
  - (3) WHEN IT IS IMPOSSIBLE TO MEET (1) OR (2) ABOVE, BOTH THE WATER MAIN AND DRAIN OR SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, PRESTRESSED CONCRETE PIPE, OR PVC PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION. THE DRAIN OR SEWER SHALL BE PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD BEFORE BACKFILLING.
- B-15. VERTICAL SEPARATION - WATER MAINS AND SEWERS:
  - (1) A WATER MAIN SHALL BE SEPARATED FROM A SEWER SO THE BOTTOM OF THE WATER MAIN IS A MINIMUM OF 18 INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATER MAINS CROSS STORM SEWERS, SANITARY SEWERS OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSING. A LENGTH OF WATER MAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN.
  - (2) BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, PRESTRESSED CONCRETE PIPE, OR PVC PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION WHEN:
    - (A) IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN (1) ABOVE; OR
    - (B) THE WATER MAIN PASSES UNDER A SEWER OR DRAIN.
  - (3) A VERTICAL SEPARATION OF 18 INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE WATER MAIN SHALL BE MAINTAINED WHERE WATER MAIN CROSSES UNDER A SEWER. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATER MAIN, AS SHOWN ON THE PLANS OR AS APPROVED BY THE ENGINEER. THIS MAY BE AS FOLLOWS:
    - (A) THE SEWER SHALL BE DESIGNED AND CONSTRUCTED EQUAL TO WATER PIPE, AND SHALL BE PRESSURE TESTED TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.
    - (B) EITHER THE WATER MAIN OR THE SEWER LINE MAY BE ENCASED IN A WATERTIGHT CARRIER PIPE WHICH EXTENDS TEN FEET ON BOTH SIDES OF THE CROSSING, MEASURED PERPENDICULAR TO THE WATERMAIN. THE CARRIER PIPE SHALL BE OF MATERIALS APPROVED FOR USE IN WATER MAIN CONSTRUCTION.
  - (4) CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE PERPENDICULAR DISTANCE FROM THE WATER MAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN FEET.

B-16. RECONNECT ALL EXISTING TILE LINES FOUND IN THE EXCAVATION TO THE NEW STORM LINES USING WYE OR TEE IN ACCORDANCE WITH UTILITY NOTES. NOTE THE LOCATION ON THE "AS-CONSTRUCTED" DRAWINGS. THIS IS CONSIDERED INCIDENTAL TO THE CONTRACT.

B-17. CEMENT BRICKS AND NON-SHRINK MORTAR SHALL BE USED IN ALL STORM STRUCTURES.

**PAVING AND GRADING NOTES**

- C-1. ALL PAVEMENT DIMENSIONS ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE INDICATED.
- C-2. WHENEVER NEW CONCRETE ABUTS EXISTING CONCRETE, SET A 3/4" THICK PRE-MOLDED FIBER EXPANSION JOINT AND 3/4" PRE-STANDARD EXPANSION ANCHOR TIES IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. THIS INCLUDES CONCRETE POURED ADJACENT TO EXISTING SIDEWALKS, CURBS AND BUILDING, EXCEPT AT EXPANSION JOINTS.
- C-3. ALL CURB AND SIDEWALK SHALL BE REINFORCED WITH TWO #4 REBARS (THREE EQUALLY SPACED REBAR FOR SIDEWALK) WHENEVER THE CURB OR SIDEWALK CROSSES A UTILITY TRENCH. EXTEND THE REBAR TEN FEET BEYOND THE TRENCH ON BOTH SIDES.
- C-4. THE COST OF SAWCUTTING SHALL BE INCLUDED IN THE ITEM BEING REMOVED

NOTE: FOR ALL UTILITIES, ADJUSTMENTS SHALL BE DONE BY UTILITY COMPANIES RESPONSIBLE FOR MAINTENANCE. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES IN ADJUSTING RELOCATING OR REMOVING THEIR UTILITIES SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION.

**HIGHWAY STANDARDS LIST**

836001	LIGHT POLE FOUNDATIONS
000001-06	STANDARD SYMBOLS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
353001-04	PCC BASE COURSE WITH HMA BINDER AND SURFACE COURSES
424001-05	CURB RAMP FOR SIDEWALKS
442101-07	CLASS B PATCHES
442201-03	CLASS C & D PATCHES
602001-02	CATCH BASIN - TYPE A
602011-02	CATCH BASIN - TYPE C
602301-03	INLET - TYPE A
602306-03	INLET - TYPE B
602401-03	MANHOLE - TYPE A
602411-02	MANHOLE - TYPE A, 7' DIAMETER
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-03	FRAME AND GRATE - TYPE 1
604086-02	CONCRETE CURB, TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PCC ISLANDS AND MEDIANS
701101-02	OFF ROAD OPERATIONS - MULTILANE - LESS THAN 15 FT TO EOP
701106-02	OFF ROAD OPERATIONS - MULTILANE - MORE THAN 15 FT AWAY
701301-04	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE 2L, 2W, UNDIVIDED
701606-06	URBAN LANE CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-07	URBAN LANE CLOSURE MULTILANE INTERSECTION
701801-04	LANE CLOSURE, MULTILANE, 1W OR 2W, CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECT DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
720021-02	SIGN PANELS - EXTRUDED ALUMINUM TYPE
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPE A AND B POSTS
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001-01	ELECTRIC SERVICE INSTALLATION DETAILS
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTIBLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
876001-01	PEDESTRIAN PUSH BUTTON
877011-04	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 16' THROUGH 56'
878001-08	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS - POST AND BRACKET MOUNT
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTOR LOOPS

**BENCHMARK:**  
SOURCE BENCHMARK 1: (CITY OF DES PLAINES #66) MONUMENT SET IN CONCRETE ON THE NORTH SIDE OF GOLF ROAD AT HOLY FAMILY HOSPITAL 34' EAST OF EAST ENTRANCE TO DRIVING RANGE AND 16' NORTH OF EDGE OF PAVEMENT OF GOLF.  
ELEVATION: 640.54  
DATUM: NAVD 88

SITE BENCHMARK 2: CUT CROSS IN SIDEWALK ±25' EAST OF CENTERLINE OF LEE STREET AND ±20' SOUTH OF CENTERLINE OF PERRY STREET.  
ELEVATION: 635.95

**CONTROL POINTS.**

DESC.	NORTHING	EASTING	ELEVATION
CP16-FXSW	1958329.58	1105432.83	638.46
CP17-SXSW	1958771.71	1105763.56	635.93
CP19-SXSW	1958795.69	1105454.50	639.77
CP49-XSW	1958535.05	1105554.52	638.05
CP1315-SMARKER	1959172.65	1105737.40	633.23

**CONTRACTOR NOTE:**  
THE CONTRACTOR SHALL VERIFY ALL PIPE SIZE, PIPE TYPE, MANHOLES, CATCH BASINS, INLET STRUCTURES TYPE AND SIZES PRIOR TO ORDERING ANY MATERIAL FOR THE PROJECT.  
THIS VERIFICATION SHALL BE COMPLETED BY A FIELD INSPECTOR OF EACH STRUCTURE TO BE ADJUSTED, OR RECONSTRUCTED AND THE ASSOCIATED PIPING. THIS CONTRACTOR SHALL NOTIFY THE ENGINEER ON ANY DISCREPANCIES THAT WERE FOUND.  
THE CITY OF DES PLAINES WILL NOT BE RESPONSIBLE FOR THE COST OF ANY PIPING, MATERIAL USED TO ADJUST OR RECONSTRUCT STRUCTURES THAT CAN NOT BE USED AS A RESULT OF DEFERRING FIELD CONDITIONS FROM THE PLANS.

**STANDARD SYMBOLS**

EXISTING	FEATURE	PROPOSED
BM/TBM	BENCHMARK	BM/TBM
CONCRETE R.O.W. MONUMENT	CONCRETE R.O.W. MONUMENT	CONCRETE R.O.W. MONUMENT
R.O.W. LINE	R.O.W. LINE	R.O.W. LINE
STORM SEWER	STORM SEWER	STORM SEWER
STORM SEWER MANHOLE	STORM SEWER MANHOLE	STORM SEWER MANHOLE
CATCH BASIN	CATCH BASIN	CATCH BASIN
INLET	INLET	INLET
CLEAN OUT	CLEAN OUT	CLEAN OUT
SANITARY SEWER	SANITARY SEWER	SANITARY SEWER
SANITARY FORCEMAIN	SANITARY FORCEMAIN	SANITARY FORCEMAIN
SANITARY SEWER MANHOLE	SANITARY SEWER MANHOLE	SANITARY SEWER MANHOLE
WATER VAULT	WATER VAULT	WATER VAULT
VALVE BOX	VALVE BOX	VALVE BOX
WATERMAIN	WATERMAIN	WATERMAIN
FIRE HYDRANT	FIRE HYDRANT	FIRE HYDRANT
GAS MANHOLE	GAS MANHOLE	GAS MANHOLE
GAS VALVE	GAS VALVE	GAS VALVE
GAS MAIN	GAS MAIN	GAS MAIN
TELEPHONE LINES	TELEPHONE LINES	TELEPHONE LINES
IBT BOX	IBT BOX	IBT BOX
IBT MANHOLE	IBT MANHOLE	IBT MANHOLE
ELECTRIC LINES	ELECTRIC LINES	ELECTRIC LINES
ELECTRIC MANHOLE	ELECTRIC MANHOLE	ELECTRIC MANHOLE
UTILITY POLE	UTILITY POLE	UTILITY POLE
SIGN	SIGN	SIGN
LIGHT STANDARD	LIGHT STANDARD	LIGHT STANDARD
FENCE	FENCE	FENCE
TREE	TREE	TREE
SHRUB	SHRUB	SHRUB
CONTOUR LINE	CONTOUR LINE	CONTOUR LINE
SPOT GRADE	SPOT GRADE	SPOT GRADE
HEADWALL	HEADWALL	HEADWALL
FLARED END SECTION	FLARED END SECTION	FLARED END SECTION
CULVERT	CULVERT	CULVERT
SWALE	SWALE	SWALE
PROPERTY PIN	PROPERTY PIN	PROPERTY PIN
STORM SEWER STRUCTURE ELEVATION	STORM SEWER STRUCTURE ELEVATION	STORM SEWER STRUCTURE ELEVATION
SANITARY SEWER STRUCTURE ELEVATION	SANITARY SEWER STRUCTURE ELEVATION	SANITARY SEWER STRUCTURE ELEVATION
WATER MAIN STRUCTURE ELEVATION	WATER MAIN STRUCTURE ELEVATION	WATER MAIN STRUCTURE ELEVATION

**I.D.O.T. GENERAL NOTES**

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OR BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).

10 FEET TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS & GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF DES PLAINES.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED-ONE (1) WEIGHTED SANDBAG ACROSS EACH BOTTOM RAIL.

ALL STORM SEWER CONNECTIONS WITH PIPES 27 INCHES DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 27 INCHES DIAMETER, OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED. PRECAST "TEE" AND "WYE" PIPE CONNECTIONS FOR PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST FOR THE STORM SEWERS.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND BITUMINOUS TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

TYPE II BARRICADES WHEN USED FOR APPROACH TAPERS, AS INDICATED ON THE STATE STANDARDS OR SHOWN ON THE PLANS SHALL BE SAFETYCADE DIRECTION INDICATOR BARRICADES MANUFACTURED BY WJ INDUSTRIES, INC. 880 N. ADDISON, P.O. BOX 7050, VILLA PARK, IL 60181-7050 OR EQUIVALENT. THE CONTRACTORS BID PRICES FOR TRAFFIC CONTROL ITEMS SHALL INCLUDE THE COST OF THESE BARRICADES.

THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, WALTER CZARNY, AT 847-715-8419 AT LEAST (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKING.

FILE NAME = 3850-805-DT1.dwg	USER NAME = ZACH WALLSTEN	DESIGNED = CAD	REVISED =	<b>CITY OF DES PLAINES PROPOSED ROADWAY WIDENING AND TRAFFIC SIGNAL INSTALLATION</b>				<b>GENERAL NOTES &amp; LEGEND</b>				F.A.P. RTE = 330	SECTION = 10-00213-00-CH	COUNTY = LAKE	TOTAL SHEETS = 47	SHEET NO. = 2	CONTRACT # = 63616	GHA #3850.805	
PLOT SCALE = 1/8"=1'-0"		CHECKED = BLS	REVISED =									SCALE = NONE	SHEET NO. OF SHEETS	STA	TO STA	ILLINOIS FED. AID PROJECT			
PLOT DATE = 8/23/2011		DATE = 8/23/2011	REVISED =																