

STANDARD SYMBOLS

⊙	EXISTING MANHOLE	— 8" —	EXISTING SANITARY SEWER (SAN. S.) WITH SIZE SHOWN
⊙	PROPOSED MANHOLE	— 8" SAN —	OR
○	EXISTING CATCH BASIN	— 8" SAN —	EXISTING SANITARY SEWER WITH SIZE AND DIRECTION SHOWN
●	PROPOSED CATCH BASIN	— 12" —	EXISTING STORM SEWER (ST. S.) WITH SIZE SHOWN
○	EXISTING INLET	— 12" ST —	OR
■	PROPOSED INLET	— 12" ST —	EXISTING STORM SEWER WITH SIZE AND DIRECTION SHOWN
□	EXISTING VALVE VAULT	— 8" W —	PROPOSED STORM SEWER
⊠	PROPOSED VALVE AND VAULT	— E —	EXISTING WATER (W) OR GAS (G) MAIN WITH SIZE SHOWN
⊠	EXISTING METER PIT	— IBT —	PROPOSED WATER MAIN
⊠	PROPOSED METER PIT	— IBT —	EXISTING UNDERGROUND ELECTRICAL CABLE OR CONDUIT
⊠	EXISTING VALVE BOX (G - GAS, W - WATER)	---	EXISTING UNDERGROUND TELEPHONE CABLE OR CONDUIT
⊠	PROPOSED VALVE & C.I. BOX	---	EXISTING R.O.W. LINE
⊠	EXISTING CURB STOP BOX	---	PROPOSED R.O.W. LINE
⊠	PROPOSED CURB STOP & C.I. BOX	---	EXISTING CURB AND GUTTER AND EXIST. C & G TO BE REMOVED
⊠	EXISTING FIRE HYDRANT	---	PROPOSED CURB AND GUTTER
⊠	PROPOSED FIRE HYDRANT WITH AUX. VALVE & C.I. BOX	---	EXISTING CURB AND EXIST. CURB TO BE REMOVED
⊠	EXISTING STREET OR TRAFFIC SIGN	---	PROPOSED CURB
⊠	EXISTING TRAFFIC SIGNAL	---	EXISTING WALK, DRIVE, PAVT. OR TRAVELED WAY
⊠	EXISTING MAIL BOX	---	EXISTING CONC. WALK, DRIVE OR PAVT. TO BE REMOVED
⊠	EXISTING LIGHT POLE	---	PROPOSED PAVEMENT REPLACEMENT
⊠	EXISTING TRAFFIC SIGNAL CONTROL BOX	---	PROPOSED P.C.C. SIDEWALK OR DRIVEWAY
⊠	EXISTING HANDHOLE	---	DECIDUOUS TREE WITH DIA. SHOWN
⊠	EXISTING ELECTRIC VAULT	---	EVERGREEN TREE WITH DIA. SHOWN
⊠	EXISTING POWER POLE WITH GUY	---	BUSHES

GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY ALL LOCAL UTILITY COMPANIES INCLUDING:
 - "JULIE" 800-892-0123
 - COMMONWEALTH EDISON COMPANY 362-1000
 - SBC 623-9961
 - NORTH SHORE GAS COMPANY 336-7400
 - COMCAST CABLE SERVICES 336-7200
 - CITY OF WAUKEGAN PUBLIC WORKS 360-0944
- 72 HOURS PRIOR TO BEGINNING OF ANY CONSTRUCTION, SAID UTILITY COMPANIES WILL ESTABLISH, ON THE GROUND, THE LOCATION OF UNDERGROUND PIPES, MAINS, CONDUITS OR CABLES ADJOINING OR CROSSING PROPOSED CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY THE MUNICIPALITY AND THE ENGINEER A MINIMUM OF 24 HOURS IN ADVANCE OF PERFORMING ANY WORK. RENOTIFICATION SHALL BE REQUIRED IF ANY PHASE OF WORK IS SUSPENDED FOR MORE THAN TWO (2) DAYS.
- UTILITIES SHOWN IN THE PLANS ARE FOR THE CONTRACTOR'S CONVENIENCE AND ARE APPROXIMATE ONLY. THE UTILITIES ARE LOCATED FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL TYPES, SIZES AND LOCATIONS OF EXISTING UTILITIES.

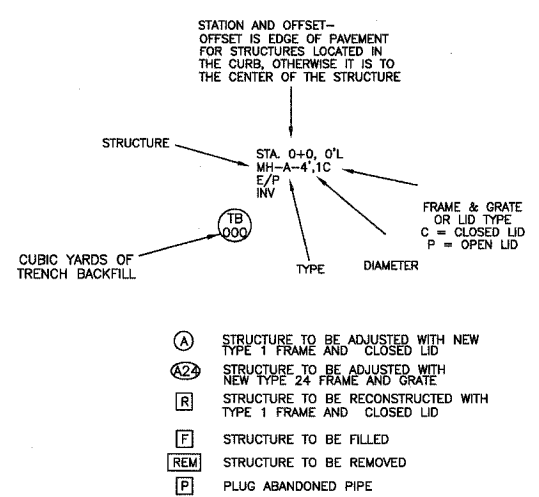
CAUTION: THERE MAY BE OVERHEAD AND BURIED POWER LINES WHICH COULD POSSIBLY INTERFERE OR BE A SAFETY HAZARD WITH EQUIPMENT OPERATIONS.
- ALL CURB AND GUTTER REMOVAL AND REPLACEMENT SHALL BE COMPLETED PRIOR TO PLACING THE PROPOSED PAVEMENT SECTION.
- DURING CURB AND GUTTER REMOVAL AND PAVEMENT REMOVAL OPERATIONS, THE CONTRACTOR WILL BE REQUIRED TO CONSTRUCT A GRAVEL RAMP TO MAINTAIN DRIVEWAY ACCESS. PLACEMENT AND REMOVAL OF THE TEMPORARY RAMPS WILL BE PAID FOR AT THE PER TON CONTRACT UNIT PRICE FOR AGGREGATE SURFACE COURSE, TYPE B, SPECIAL.
- ALL PAVING OF BUTT JOINTS SHALL BE DONE AT THE SAME TIME AS THE ADJOINING STREET AND SHALL BE DONE WITH A HMA PAVING MACHINE.
- THE CONTRACTOR SHALL PLACE WARNING SIGNS 48 HOURS PRIOR TO PLACEMENT OF PRIME COAT AND COMMENCEMENT OF PAVING OPERATIONS.
- THE THICKNESS OF THE HMA COURSES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE ON WHICH THE HMA COURSE IS PLACED.
- WHERE HMA OVERLAYS ARE PLACED ON INTERSECTING STREETS, THE CONTRACTOR SHALL COORDINATE CONSTRUCTION TO ALLOW A HOT JOINT BETWEEN THE TWO SURFACES; OR HE SHALL SAW CUT TO A MINIMUM DEPTH OF 1-1/2" TO PROVIDE A UNIFORM VERTICAL FACE AGAINST WHICH TO BUTT THE SUBSEQUENT SURFACE COURSE.
- WHEN LOOSE MATERIAL IS DEPOSITED IN DITCHES OR GUTTERS, IT SHALL BE REMOVED BEFORE THE END OF EACH WORKING DAY. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE COMBINATION CONCRETE CURB AND GUTTER, TYPE B.6.24

- THE EDGES OF ALL IMPROVED SURFACES WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE SAW CUT PRIOR TO RESTORATION. ANY SAW CUTTING OF PAVEMENT PATCHES, BUTT JOINTS, CONCRETE CURBS, SIDEWALKS, OR ANY OTHER AREAS NECESSARY TO COMPLETE THIS PROJECT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE ITEM, UNLESS OTHERWISE SPECIFIED.
- MANHOLE, INLET AND CATCH BASIN RIM ELEVATIONS (EDGE OF PAVEMENT) ARE PROVIDED TO ASSIST THE CONTRACTOR IN ORDERING MATERIALS. FINAL ADJUSTMENT OF STRUCTURES TO MEET SITE CONDITIONS WILL BE NECESSARY. NO PAYMENT WILL BE MADE FOR FINAL ADJUSTMENT OF STRUCTURES, AND THE COST THEREOF SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR SAID STRUCTURE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL STREETS USED BY THE CONTRACTOR, SUB-CONTRACTORS, AND SUPPLIERS CLEAN AND FREE OF ALL DIRT, MUD, AND OTHER CONSTRUCTION DEBRIS, AND WILL BE REQUIRED TO CLEAN THEM AS IS NECESSARY IN ORDER TO MAINTAIN THEM IN A SAFE, DRIVEABLE CONDITION. THE CONTRACTOR SHALL BE ESPECIALLY RESPONSIVE TO REQUESTS FROM THE ENGINEER, ENGINEER'S REPRESENTATIVE, DIRECTOR OF PUBLIC WORKS, SUPERINTENDENT OF STREETS, POLICE AND FIRE DEPARTMENTS, OR ANY OFFICIAL OF THE OWNER TO PRACTICE GOOD HOUSEKEEPING THROUGHOUT THE DURATION OF THIS PROJECT. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF CONSTRUCTION, UNLESS OTHERWISE SPECIFIED.
- CURB RAMPS ACCESSIBLE TO THE DISABLED AND THE DETECTABLE WARNINGS SHALL BE PROVIDED AT ALL CROSS WALK LOCATIONS IN ACCORDANCE HIGHWAY STANDARD 424001-04.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL MATCH GRADES AND TO BRING ANY DISCREPANCIES TO THE ENGINEER PRIOR TO CONSTRUCTION.
- THE GRADING AND CONSTRUCTION OF PROPOSED IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORM WATER. GRADING SHALL BE DONE TO ALLOW POSITIVE DRAINAGE. SILT FILTER FENCE, SHALL BE INSTALLED TO PREVENT EROSION. THE COST OF THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.
- FILTER FABRIC TO BE PLACED IN ALL STORM STRUCTURES LOCATED WITHIN THE LIMITS OF CONSTRUCTION, FOR THE PURPOSES OF SEDIMENTATION CONTROL. FABRIC TO BE CHECKED AFTER EACH RAIN FALL AND ON A WEEKLY BASIS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF INLET AND PIPE PROTECTION.
- ALL POINTS OF VERTICAL INTERSECTION (P.V.I.'S) SHALL BE CONSTRUCTED WITH A VERTICAL CURVE THAT HAS A MINIMUM LENGTH OF 90 (NINETY) FEET.
- CONTRACTOR SHALL DISCONNECT AND PLUG ALL SEWER PIPES TO BE ABANDONED IN PLACE. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF FILLING, OR REMOVING EXISTING STRUCTURES.
- CONTRACTOR SHALL SUBMIT A WRITTEN "SEQUENCE OF CONSTRUCTION" PLAN WITHIN TEN (10) DAYS AFTER THE AWARD OF CONTRACT. THE PLAN SHALL SHOW IN DETAIL HOW THE PROPOSED UNDERGROUND UTILITIES WILL BE CONSTRUCTED TO ENSURE NO DISRUPTION IN STORM, SANITARY, AND WATER SERVICE. CONTRACTOR SHALL PROVIDE BYPASS PUMPING, AND TEMPORARY CONNECTIONS AS NECESSARY. THE WRITTEN "SEQUENCE OF CONSTRUCTION" MUST BE ON FILE WITH THE ENGINEER PRIOR TO CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE STORM SEWER REMOVAL, WATER SERVICE INSTALLATION AND SANITARY SERVICE INSTALLATION.

STATE STANDARDS

Number	Description
000001-04	Standard Symbols, Abbreviations, and Patterns
280001-03	Temporary Erosion Control Systems
424001-04	Curb Ramps for Sidewalks
442201-02	Class C and D Patches
602001	Catch Basin Type A
602011	Catch Basin Type C
602301-01	Inlet Type A
602401-01	Manhole Type A
602601	Precast Reinforced Concrete Flat Slab Top
602701-01	Cast Iron Steps
604001-02	Frame and Lids Type 1
604091-01	Frame and Lids Type 24
606001-03	Concrete Curb Type B and Combination Concrete Curb and Gutter
701606-04	Urban Lane Closure, Multilane, 2W with Mountable Median
701701-04	Urban Lane Closure, Multilane Intersection
701801-03	Lane Closure Multilane 1W or 2W Crosswalk or Sidewalk Closure
702001-06	Traffic Control Devices
720001	Sign Panel Mounting Details
720006	Sign Panel Erection Details
720011	Metal Posts for Signs, Markers & Delineators
729001	Applications of Types A & B Metal Posts (For Signs & Markers)
780001-01	Typical Pavement Markings
805001	Electrical Service Installation Details
814001	Concrete Handholes
814006	Double Handholes
877001-01	Steel Combination Mast Arm Assembly and Pole
880006	Traffic Signal Mounting Details
857001	Standard Phase Designation Diagrams and Phase Sequences
878001	Concrete Foundation Details
880001	Span Wire Mounted Signal and Flashing Beacon Installation
886001	Detector Loop Installations

STRUCTURE LEGEND



- IT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE ALL FEATURES DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL STATE, OR BETTER. ALL RESTORATION WORK REQUIRED BEYOND THE SCOPE OF THE PLANS AND SPECIFICATIONS SHALL BE DONE AT THE CONTRACTOR'S EXPENSE UNLESS WORK WAS DONE AT THE DIRECTION OF THE OWNER OR ENGINEER AND COMPENSATION WAS AGREED UPON PRIOR TO EXECUTION OF WORK.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL NECESSARY PAVEMENT OPENINGS AND CONSTRUCTION DEBRIS LEFT IN THE PUBLIC RIGHT-OF-WAY WITH LIGHTED DEVICES. THE CONTRACTOR SHALL MAINTAIN HIGH VISIBILITY OF ALL TEMPORARY HAZARDS TO PEDESTRIANS AND MOTORISTS. REMOVAL OF ANY SUCH TEMPORARY HAZARDS SHALL BE DONE AS SOON AS POSSIBLE.
- ALL EXISTING DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS THAT WILL BE ADJUSTED OR RECONSTRUCTED, SHALL BE CLEANED TO THE SATISFACTION OF THE ENGINEER. ALL COSTS ASSOCIATED WITH THIS SHALL BE INCLUDED IN THE APPLICABLE UNIT PRICES.
- ANY MAIL BOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR, AT HIS EXPENSE, UNLESS OTHERWISE SPECIFIED. MAIL SERVICE SHALL NOT BE DISRUPTED DURING CONSTRUCTION.
- PLACEMENT OF TOP SOIL AND SODDING SHALL BE COMPLETED WITHIN 10-15 DAYS AFTER THE COMPLETION OF CURB AND GUTTER, PAVING AND/OR DRIVEWAY REPLACEMENT OPERATIONS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- UTILITY SERVICES TO RESIDENT'S OR BUSINESSES WHICH ARE INTERRUPTED BY CONSTRUCTION SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR SO THAT NO SERVICE IS INTERRUPTED FOR MORE THAN FOUR (4) HOURS. IF TEMPORARY SERVICE IS REQUIRED, THE EXPENSE FOR SAME SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

NORTH SHORE SANITARY DISTRICT

- 24 HOUR NOTICE: THE CONTRACTOR SHALL NOTIFY THE NORTH SHORE SANITARY DISTRICT AT 847-623-6060 A MINIMUM OF 24 HOURS PRIOR TO THE START OF CONSTRUCTION.
- TV NOTE: ALL SANITARY SEWER EXTENSIONS SHALL BE TELEVISED IN THE PRESENCE OF NORTH SHORE SANITARY DISTRICT PERSONNEL AFTER HAVING NOTIFIED THE DISTRICT AT 847-623-6060 A MINIMUM OF 24 HOURS PRIOR TO TELEVISING. A COPY OF THE TAPE IN VHS FORMAT IS TO BE SUBMITTED TO THE DISTRICT FOR APPROVAL. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE SANITARY SEWER INSTALLATION.
- BEDDING NOTE: ALL SANITARY SEWER PIPE WILL BE BEDDED WITH A MINIMUM OF 6" BELOW THE PIPE AND 12" ABOVE THE PIPE IN CA-6 CRUSHED MATERIAL. THIS IS THE ONLY ACCEPTABLE MATERIAL WITHIN THE BOUNDARIES OF THE SANITARY DISTRICT. IF EXTREMELY WET CONDITIONS ARE ENCOUNTERED, ANY ALTERNATE MATERIAL MUST BE APPROVED BY THE DISTRICT.

REVISIONS		
NO.	ITEM	DATE

SCALE:	1 = 1
DRAWN BY:	WS
CHECKED BY:	DBD
DATE:	3-3-06

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STANDARD SYMBOLS & GENERAL NOTES
SHERIDAN ROAD IMPROVEMENTS
 CITY OF WAUKEGAN JOB NUMBER: 02-28-04-164 LAKE COUNTY, ILLINOIS
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