GENERAL NOTES

ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, SHALL BE FINISHED WITH TOPSOIL, FERTILIZER, SEED AND MULCH. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY FACILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.

REINFORCED CONCRETE APRON ENDWALLS AND ADJOINING TWO SECTIONS OF CONCRETE PIPE SHALL BE TIED TOGETHER AS SHOWN ON THE STANDARD DETAIL DRAWINGS. JOINT TIES SHALL BE INCIDENTAL ITEMS.

CURB HEIGHTS AT THE END OF CURB AND GUTTER SHALL BE TAPERED FROM 0 TO 6-INCHES IN 6 FT.

ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES

SHALL BE FILLED WITH GRANULAR BACKFILL.

EXCAVATION BELOW SUBGRADE (EBS) IS NOT USED TO BALANCE YARDAGE. THE EXACT DEPTH AND LOCATION OF EBS ARE TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

EXISTING DRIVEWAYS AND FIELD ENTRANCES SHALL BE RESTORED IN KIND AS DIRECTED BY THE ENGINEER IN THE

DISTURBED AREAS THAT WERE PREVIOUSLY LAWNS SHALL BE SEEDED WITH SEED MIXTURE NO. 40.

ALL EXISTING STREET SURFACES, DRIVEWAYS, CULVERTS, ROADSIDE DRAINAGE DITCHES AND OTHER STRUCTURES SPECIFIED TO REMAIN THAT ARE DAMAGED IN ANY MANNER AS A RESULT OF CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH SPECIFICATIONS.

UNLESS SPECIFIED OTHERWISE, ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH MEIJER STANDARD SPECIFICATIONS, THE STATE DEPARTMENT OF NATURAL RESOURCES STANDARDS, DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN (LATEST EDITION) AND THE REQUIREMENTS OF THE APPROPRIATE LOCAL AUTHORITIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS, PERMIT FEES, LICENSES, AND LICENSE FEES, UNLESS NOTED OTHERWISE.

RELOCATION OF ANY UTILITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF THE APPROPRIATE UTILITY COMPANY AND/OR REGULATORY AGENCY. OBTAIN WRITTEN APPROVAL FROM THE ENGINEER BEFORE ANY UTILITY RELOCATION.

ELECTRONIC FILES IN DWG FORMAT WILL BE SUPPLIED TO THE CONSTRUCTION MANAGER FOR LAYOUT AND GRADING.

LOCAL UTILITY LOCATING AGENCY

FIELD AND AT THE LOCATION DETERMINED BY THE ENGINEER.

ALL CONTRACTORS SHALL NOTIFY UTILITY COMPANIES AND GOVERNMENT AGENCIES IN WRITING OF THE INTENT TO EXCAVATE NO LESS THAN 72 HOURS PRIOR TO SUCH EXCAVATION (EXCLUSIVE OF SATURDAYS, SUNDAYS, AND HOLIDAYS) AND CALL LOCAL UTILITY LOCATING AGENCY AT 1-800-542-2289 OR 811 BY CELL PHONE.

EXISTING UTILITY LOCATIONS SHOWN SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. LOCATIONS OF UNDERGROUND UTILITIES ON THESE DRAWINGS ARE APPROXIMATE ONLY AND BASED ON ACTUAL FIELD LOCATIONS OF VISIBLE STRUCTURES AND PLAN COMPUTATIONS.

UTILITY NOTES

ALL SANITARY SEWER SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, ADMINISTRATIVE CODE CHAPTERS 81-87, AND THE CITY OF WAUKESHA STANDARD SPECIFICATIONS.

ALL WATER MAIN AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE TO THE WAUKESHA WATER DEPARTMENT STANDARD SPECIFICATIONS. MAINTAIN A MINIMUM OF 6.0 FEET OF COVER OVER ALL WATER SERVICE LINES. WATER SERVICE LINES MAY BE REQUIRED TO BE OFFSET TO AVOID CONFLICTS WITH OTHER UTILITIES. WHEN WATER MAIN WILL CROSS UNDER STORM AND SANITARY SEWER THERE SHALL BE AN 18" VERTICAL SEPARATION. WHEN WATER MAIN WILL CROSS OVER STORM— AND SANITARY—SEWER THERE SHALL BE A 6" VERTICAL SEPARATION.

STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN. ADMINISTRATIVE CODE CHAPTERS

81-87, AND THE CITY OF WAUKESHA STANDARD SPECIFICATIONS, AND WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION (LATEST EDITION). INLETS SHALL BE 3'X2' PRECAST CONCRETE STRUCTURES (WISDOT TYPE 2) AND SHALL USE WISDOT TYPE H FRAME

CONSTRUCTION OF STORM SEWER, INLETS, AND MANHOLES SHALL BE PERFORMED IN ACCORDANCE WITH THE

AND GRATE UNLESS NOTED OTHERWISE ON THE PLANS. STORM MANHOLES SHALL BE 48" DIAMETER CONCRETE STRUCTURES AND SHALL USE WISDOT TYPE J FRAME AND

GRATE UNLESS NOTED OTHERWISE ON THE PLANS.

ALL NON-METALIC UTILITIES (STORM AND SANITARY SEWER) SHALL BE INSTALLED WITH TRACER WIRE.

STORM SEWER SHALL BE ASTM C-76 CLASS III CONCRETE PIPE WITH GASKETED JOINTS.

TRAFFIC CONTROL NOTES

THE EXACT LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNING, SHALL BE COVERED OR REMOVED AS SPECIFIED IN THE PLANS AND/OR SPECIAL PROVISIONS OR AS DIRECTED BY THE

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

CONTINUOUS ACCESS SHALL BE PROVIDED FOR ALL BUSINESSES AND RESIDENCES DURING ALL STAGES OF

ALL TRAFFIC CONTROL DRUMS ARE TO BE PLACED AT 50 FOOT INTERVALS FOR TANGENT SECTIONS AND 25 FOOT INTERVALS FOR TAPERS UNLESS NOTED OTHERWISE ON PLANS.

STEADY BURN LIGHTS SHALL BE USED ON DRUMS IN TAPERS ONLY.

ALL TEMPORARY TRAVEL LANES SHALL BE A MINIMUM OF 10 FEET WIDE

ALL TYPE-III BARRICADES USED ARE EIGHT FEET IN WIDTH UNLESS OTHERWISE INDICATED ON PLANS.

W20-4 AND W20-7 SIGNS SHALL BE REMOVED OR COVERED WHEN FLAGGING OPERATIONS ARE NOT IN USE.

PHOTOMETRIC NOTES

POLES SHALL BE 30' TALL, ALUMINUM, WISCONSIN DOT TYPE 4 WITH 8' LUMINAIRE ARM AND A WISCONSIN DOT TYPE 5 BASE.

LED LUMINAIRES SHALL BE OF A SLIM. LOW PROFILE DESIGN OPTIMIZED FOR MINIMUM WIND LOADING. CONSTRUCTED FROM RUGGED EXTRUDED ALUMINUM AND CAST ALUMINUM COMPONENTS. LED DRIVERS ARE MOUNTED IN THE ALUMINUM HOUSING WHICH IS SUITABLE FOR WET LISTED OPERATION (PER UL 1598 REQUIREMENTS). INTEGRATED HIGH PERFORMANCE ALUMINUM HEAT-SINK SPECIFICALLY DESIGNED FOR LED APPLICATIONS. FINISH INCLUDES AN E-COAT EPOXY PRIMER WITH AN ULTRA-DURABLE POWDER TOPCOAT (GRAY FINISH) RESISTANT TO CORROSION AND ULTRAVIOLET DEGRADATION AND ABRASION. LUMINAIRES SHALL HAVE À 5 YEAR WÁRRANTY ON LUMINAIRE COMPONENTS WITH A 10 YEAR WARRANTY ON THE FINISH.

THE LUMINAIRE SHALL BE COOPER/LUMARC #LDRC-T3-B03-E-AP LED LIGHT FIXTURE. THE LUMINAIRE SHALL BE OF A COBRAHEAD SHAPE AND STYLE, NOT EXCEEDING 27" IN LENGTH, AN EPA NOT EXCEEDING 0.70 SQ. FT. AND A MAXIMUM WEIGHT OF 28 LBS.

THE LUMINAIRE SHALL INCLUDE REPLACEABLE LED MODULES, DRIVER AND 10KV SURGE SUPPRESSION MODULE FOR PROTECTION OF THE LED CIRCUIT BOARDS.

THE LED LUMINAIRES SHALL CONSIST OF 4000K (±300K WITHIN SUPPLIED LED PACKAGE), 70CRI (MIN), 120-277V OPERATING INPUT VOLTAGE, HIGH EFFICACY LEDS (90+ LUMENS/WATT), L70 OF 100,000+ HRS AND FIELD ADJUSTABLE LUMEN OUTPUT. THE LUMINAIRES SHALL BE BETALED XSP SERIES.

LARGE LED LUMINAIRES SHALL HAVE 9,612 LUMEN OUTPUT (MIN) WITH 101 WATT CONSUMED.

EROSION CONTROL NOTES

SEDIMENT EXCEEDS ONE HALF THE HEIGHT OF THE DEVICE.

BE CARRIED OFF SITE OR INTO THE STORM SEWER SYSTEM BY RUNOFF.

INSTALL AND MAINTAIN ALL EROSION CONTROL MEASURES AS IDENTIFIED IN THE APPROVED EROSION CONTROL

INSTALL SILT FENCE AROUND ALL TOPSOIL STOCKPILES AND AT LOCATIONS SHOWN ON PLAN.

ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES STORM WATER RUNOFF TECHNICAL STANDARDS FOR CONSTRUCTION SITE EROSION AND SEDIMENT

MAINTAIN ALL ON-SITE AND OFF-SITE EROSION CONTROL SYSTEMS AS IDENTIFIED ON THE EROSION CONTROL PLAN. THE CONTRACTOR SHALL INSPECT ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES AFTER EACH RAIN OF 0.5 INCHES OR GREATER AND ONCE EACH WEEK. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL DEVICES FOR STRUCTURAL DAMAGE, EVIDENCE OF EROSION, AND ANY OTHER CONDITION THAT

MAY ENABLE SEDIMENT TO LEAVE THE SITE. ANY DAMAGED EROSION CONTROL SYSTEMS ARE TO BE REPAIRED BY THE END OF THE WORK DAY. ALL SEDIMENT SHALL BE REMOVED FROM SEDIMENT TRAPPING EROSION CONTROL DEVICES WHEN THE DEPTH OF THE

ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF A STORM EVENT SHALL BE CLEANED UP BY THE END OF THE NEXT WORKDAY. ALL OFF-SITE SEDIMENT DEPOSITS THAT ARE THE RESULT OF CONSTRUCTION ACTIVITIES SHALL BE CLEANED UP BY THE END OF THE WORKDAY.

ALL WASTE AND UNUSED CONSTRUCTION MATERIALS SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO

ANY WATER PUMPED FROM THE SITE SHALL BE TREATED BY THE APPROPRIATE CONTROLS TO SUFFICIENTLY TRAP SEDIMENT AND NOT CAUSE EROSION OF THE SITE OR RECEIVING CHANNELS.

ALL LAND DISTURBING ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AREA OF EXPOSED SOIL.

DISTURBED AREAS OUTSIDE THE DAY-TO-DAY CONSTRUCTION AREAS SHALL BE STABILIZED WITH MULCHING, TEMPORARY SEEDING, SODDING, COVERED WITH TARPS, OR EQUIVALENT EROSION CONTROL MEASURES APPROVED BY THE ENGINEER.

THE CONTRACTOR SHALL ALLOW THE ENGINEER AND EROSION CONTROL INSPECTOR TO ENTER THE SITE FOR THE PURPOSE OF INSPECTING THE COMPLIANCE WITH THE EROSION CONTROL ORDINANCE OR FOR PERFORMING ANY WORK NECESSARY TO BRING THE SITE INTO COMPLIANCE WITH THE ORDINANCE.

STANDARD ABBREVIATIONS

AGG	AGGREGATE	PI	POINT OF INTERSECTION
ADT	AVERAGE DAILY TRAFFIC	PT	POINT OF TANGENCY
ВМ	BENCH MARK	PE	PRIVATE ENTRANCE
C/L, C	L CENTERLINE	R	RADIUS OF CURVE
CONC	CONCRETE	RC	REVERSE CROWN
CP	CULVERT PIPE	RCP	REINFORCED CONC PIPE
CSCP	CORR. STEEL CULVERT PIPE	RD	ROAD
CTH	COUNTY TRUNK HIGHWAY	REQ'D	REQUIRED
CY	CUBIC YARD	R/L	REFERENCE LINE
C & G	CURB AND GUTTER	RO	RUN OUT
DISCH	DISCHARGE	RT	RIGHT
EB	EASTBOUND	R/W	RIGHT OF WAY
ELEV	ELEVATION	SALV	SALVAGED
EXC	EXCAVATION	SE	SOUTHEAST
EXIST	EXISTING	SW	SOUTHWEST
FE	FIELD ENTRANCE	SEC	SECTION
IP	IRON PIPE	STA	STATION
L	LENGTH	STH	STATE TRUNK HIGHWAY
LT	LEFT	SY	SQUARE YARDS
LHF	LEFT HAND FORWARD	T	TANGENCY
MIN	MINIMUM	T/L	TRANSIT LINE
NC	NORMAL CROWN	UNCL	UNCLASSIFIED
NE	NORTHEAST	USH	UNITED STATES HIGHWAY
NW	NORTHWEST	VC	VERTICAL CURVE
PAV'T	PAVEMENT	WB	WESTBOUND
PC	POINT OF CURVATURE		

LIST OF WISDOT SIGN PLATES

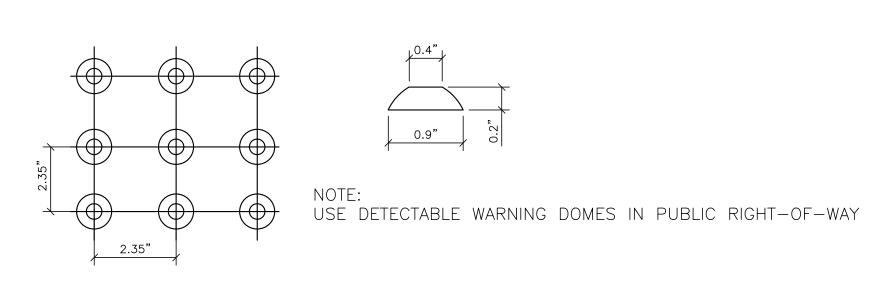
A4-1	A4-3	A4-4	A4-8	A4-11	A5-9	D1-61
G20-2A	R3-1	R3-2	R3-7	R3-20L	R3-53	R4-7
R5-1	R6-2	R9-3A	R9-3B	R9-3BL	R11-2	W4-2
W12-1D	W20-1	W20-5				

LIST OF WISDOT STANDARD DETAIL DRAWINGS

8A 5D 8B 9 8C 7 8D 1 8D 5A 8D 5B 8D 5E 8E 8 8E 9 8E 10 8F 1 11B 2 15C 7C 15C 8 A 15C 8B 15C 8E 15C 8F 15C 33

TYPICAL DETAIL OF STANDARD DRIVE APPROACH MIN. 10'-MAX. 45' COMMERCIAL THE VALUE FOR X WILL VARY MIN. 10'-MAX. 30' RESIDENTIAL FROM O" AT THE SIDEWALK TO 1' AT THE CURB. THE VALUE FOR Y WILL VARY FROM 0" TO 6" 6" CONCRETE SIDEWALK 4" CONCRETE ← SIDEWALK EXPANSION JOINT SECTION A - A NOTE: DRIVEWAYS 10' TO 20' WIDE SHALL HAVE ONE & JOINT. DRIVEWAYS 21' TO 30' WIDE - G JOINT SHALL HAVE TWO & JOINTS EQUALLY SPACED. (SEE NOTE) 1/2" X 6" \leftarrow GRASS PLOT \neg_7 EXPANSION 1/2" X 6" EXPANSION JOINT AT THE 6" CONCRETE OR JOINT FACE OF WALK AND BACK OF CURB 4" ASPHALT DRIVE APP. IS REQUIRED ONLY FOR CONCRETE DRIVE APPROACH. → |3'-5' |- FLARE WIDTH, 3' MIN. TO 5' MAX. (CAN BE WIDER WITH APPROVAL OF THE CITY ENGINEER) FLOW LINE OF GUTTER 8" CONCRETE ALLOWED FOR APPROACH FACE OF CURB FACE OF CURB MUST BE MAINTAINED AND SIDEWALK FOR HEAVY TRAFFIC. ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS-SLOPE, CROSS-SLOPE SHALL NOT EXCEED 2%. RESIDENTIAL - MAX. 40' COMMERCIAL - MAX. 55' TYPICAL DETAIL OF STANDARD - 6" CONCRETE OR 4" ASPHALT DRIVE APPROACH DRIVE APPROACH 6" CONCRETE SIDEWALK -7 STREET PAVEMENT ACROSS DRIVE CITY OF WAUKESHA ENGINEERING DIVISION 1.5 % TYP. APPROVED BY: PAUL G. DAY, P.E. CITY ENGINEER SEPT., 2014 - STANDARD CURB AND GUTTER OR INTEGRAL CURB DATE NOT TO SCALE CHECKED BY: DRAWN BY: SECTION B - B

TYPICAL DETAIL OF STANDARD DRIVE APPROACH SOURCE: CITY OF WAUKESHA ENGINEERING DIVISION



DETECTABLE WARNING DOME DETAIL

APPROVED MANUFACTURERS: NEEHAH FOUNDARY, EJIW, AND PIONEER SUPPLY CAST IRON, NATURAL PATINA OR UNPAINTED DETECTABLE WARNING FIELDS. DOMES MUST COMPLY WITH CURRENT ADA STANDARDS.

DETECTABLE WARNING DOMES

A5

C100R

GENERAL NOTES

GreenbergFarrow Project No. 2011054

Arlington Heights, Illinois 60005 t: 847 788 9200 f: 847 788 9536

27 SE & S Store:
AST SUN

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PROFESSIONAL IN CHARGE MATTHEW H. BUDDE, P.E. PROFESSIONAL ENGINEER LICENSE NO. E-37992

07/30/14 FINAL PLAN - RESUBMITTAL 09/25/13 CITY SUMBITTAL Drawn By M. BUDDE, P.E. Reviewer P. PHILLIPS, P.E.

Manager K.WILLIAMS, P.E. Prof in Charge M. BUDDE, P.E. Hard copy is intended to be 30"x42" when plotted. Scale(s)

indicated and graphic quality may not be accurate for any other size. PROJECT NO. J120944276

SHEET NO.