

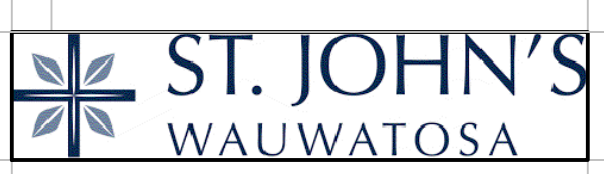


MSI GENERAL CORPORATION
P.O. BOX 7
OCONOMOWOC, WI 53066
PHONE: 262-367-5661
FAX: 262-367-7390

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SINGLE SOURCE RESPONSIBILITY™

ISSUE DATES:	
City Submittal	06/07/2023
Proposal	03/09/2024
Bid	xx/xx/xxxx
Contract	xx/xx/xxxx
State Submittal / Permit	8/18/2025
LOCAL DESIGN REVIEW BOARD	06/11/2026

REVISIONS:	
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PROJECT ADDRESS:

PROJECT NAME
St. John's Evangelical Lutheran Church
STREET ADDRESS
7809 Harwood Ave.
CITY / STATE / ZIP
Wauwatosa, WI 53213

ALL WORK TO BE COMPLETED AS SHOWN, AND IN ACCORDANCE WITH THE LATEST EDITION OF THE MSI GENERAL MASTER SPECIFICATION

Architect:	Engineer:	Reviewed By:
AMH		
Sheet Title: SURVEY/EXISTING SITE PLAN		
Sheet Number: C-001		
Project Number: P13586		

MSI General
St. John's Lutheran

PLAT OF SURVEY

LOCATION: 7827 Harwood Avenue, Wauwatosa, Wisconsin

LEGAL DESCRIPTION:
West 50 feet of Lot 1, in DOUGLAS HEIGHTS, being in the Southeast 1/4 of Section 21 and the Northeast 1/4 of Section 28, in Township 7 North, Range 21 East, City of Wauwatosa, Milwaukee County, Wisconsin.

Survey No. 113429

PLAT OF SURVEY

LOCATION: 1249 Dewey Avenue, Wauwatosa, Wisconsin

LEGAL DESCRIPTION:
Lot 9 of ASSESSOR'S PLAT NO. 26 and Lots 1 and 2 of CHARLES FINGADO'S SUBDIVISION and the East 31.3 feet of Lot 1 of DOUGLAS HEIGHTS SUBDIVISION, being part of the Southeast 1/4 of Section 21, Town 7 North, Range 21 East, City of Wauwatosa, Milwaukee County, Wisconsin.

Survey No. 113427

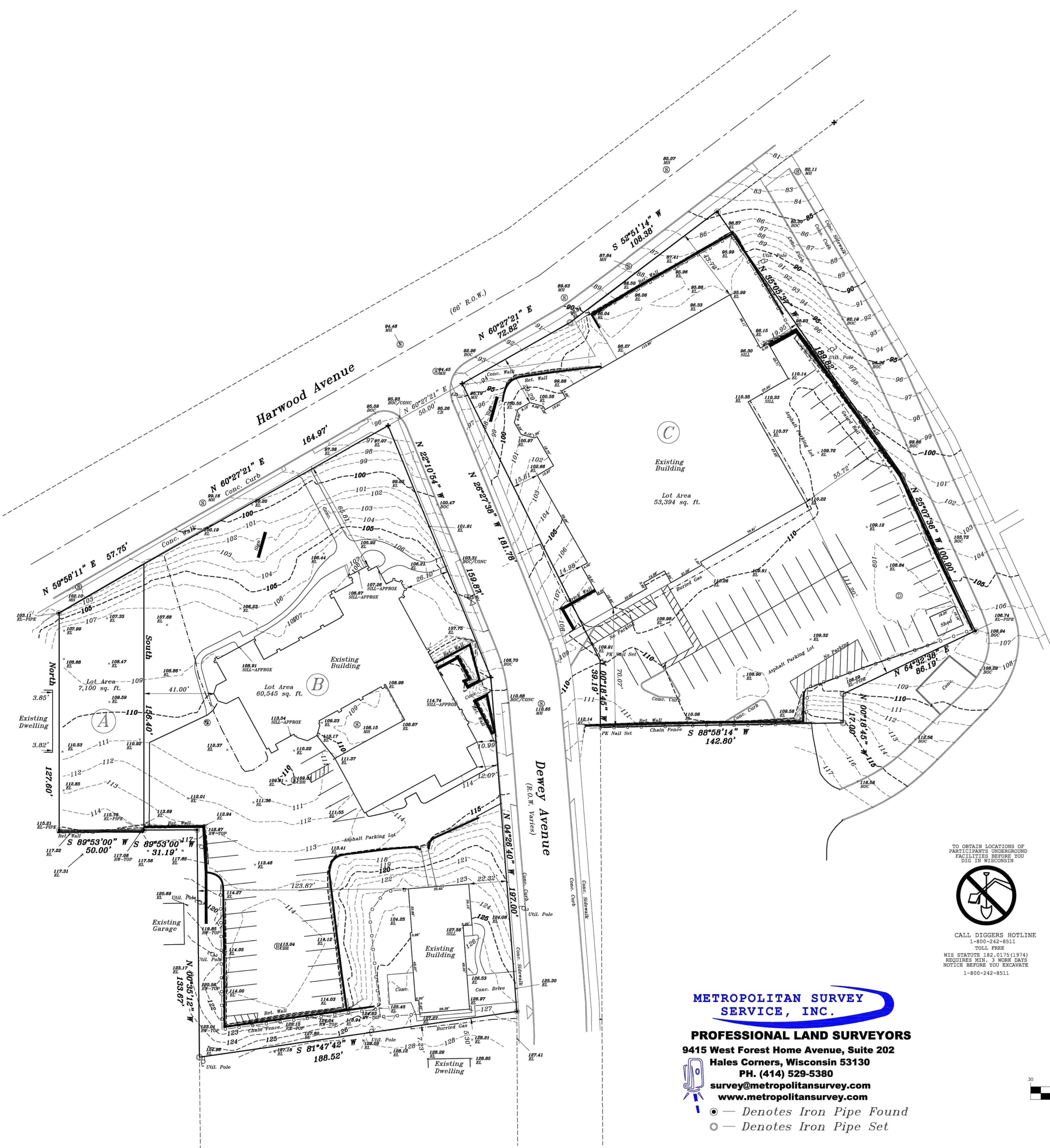
PLAT OF SURVEY

LOCATION: 1278 Dewey Avenue, Wauwatosa, Wisconsin

LEGAL DESCRIPTION:
Lot 22 in FINGADO'S SUBDIVISION, of 9.66 Acres of land in the Southeast 1/4 of Section 21, in the Township 7 North, of Range 21 East, in the Third Ward of the City of Wauwatosa, excepting therefrom that portion thereof conveyed by deed recorded in Volume 598 of Deeds, on page 34 (#647352) to the Milwaukee Sanitarium Association and further excepting therefrom that portion of said Lot 22, conveyed by deed recorded in Volume 556 of Deeds, on page 289 (#591009) to Johanna Habenicht, also excepting therefrom the premises described in Deed Document #2343040.

Survey No. 113428

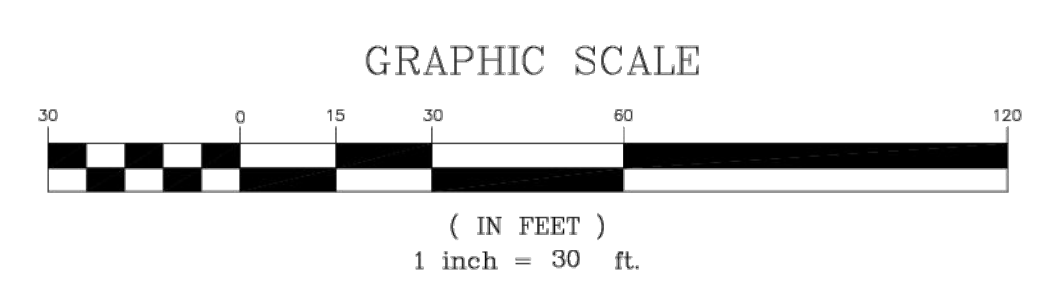
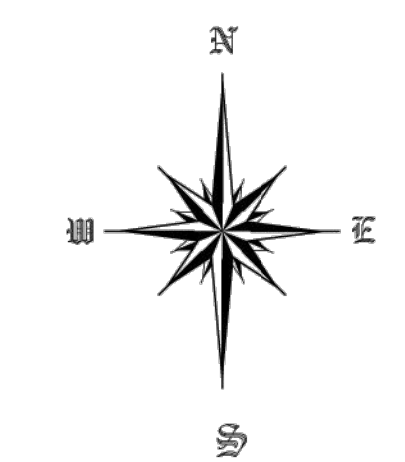
May 10, 2022
February 9, 2023 Revised Elevations / Added Topography



METROPOLITAN SURVEY SERVICE, INC.
PROFESSIONAL LAND SURVEYORS
9415 West Forest Home Avenue, Suite 202
Hales Corners, Wisconsin 53130
PH. (414) 529-5380
survey@metropolitansurvey.com
www.metropolitansurvey.com

● — Denotes Iron Pipe Found
○ — Denotes Iron Pipe Set

TO OBTAIN LOCATIONS OF PARTICIPANTS UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE
WIS STATUTE 192.017(1)(974)
REQUIRES MIN. 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE
1-800-242-8511



I HEREBY CERTIFY THAT I HAVE SURVEYED THE ABOVE DESCRIBED PROPERTY AND THAT THE ABOVE MAP IS A TRUE REPRESENTATION THEREOF AND SHOWS THE SIZE AND LOCATION OF THE PROPERTY, ITS EXTERIOR BOUNDARIES, THE LOCATION OF ALL VISIBLE STRUCTURES AND DIMENSIONS OF ALL PRINCIPAL BUILDINGS THEREON, BOUNDARY FENCES, APPARENT EASEMENTS AND ROADWAYS AND VISIBLE ENCROACHMENT, IF ANY.

THIS SURVEY IS MADE FOR THE EXCLUSIVE USE OF THE PRESENT OWNERS OF THE PROPERTY, AND ALSO THOSE WHO PURCHASE, MORTGAGE, OR GUARANTEE THE TITLE THERETO WITHIN ONE (1) YEAR FROM THE DATE HEREOF.

SIGNED
Dennis C. Sauer
Dennis C. Sauer
Professional Land Surveyor S-2421



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 OCONOMOWOC, WI 53066
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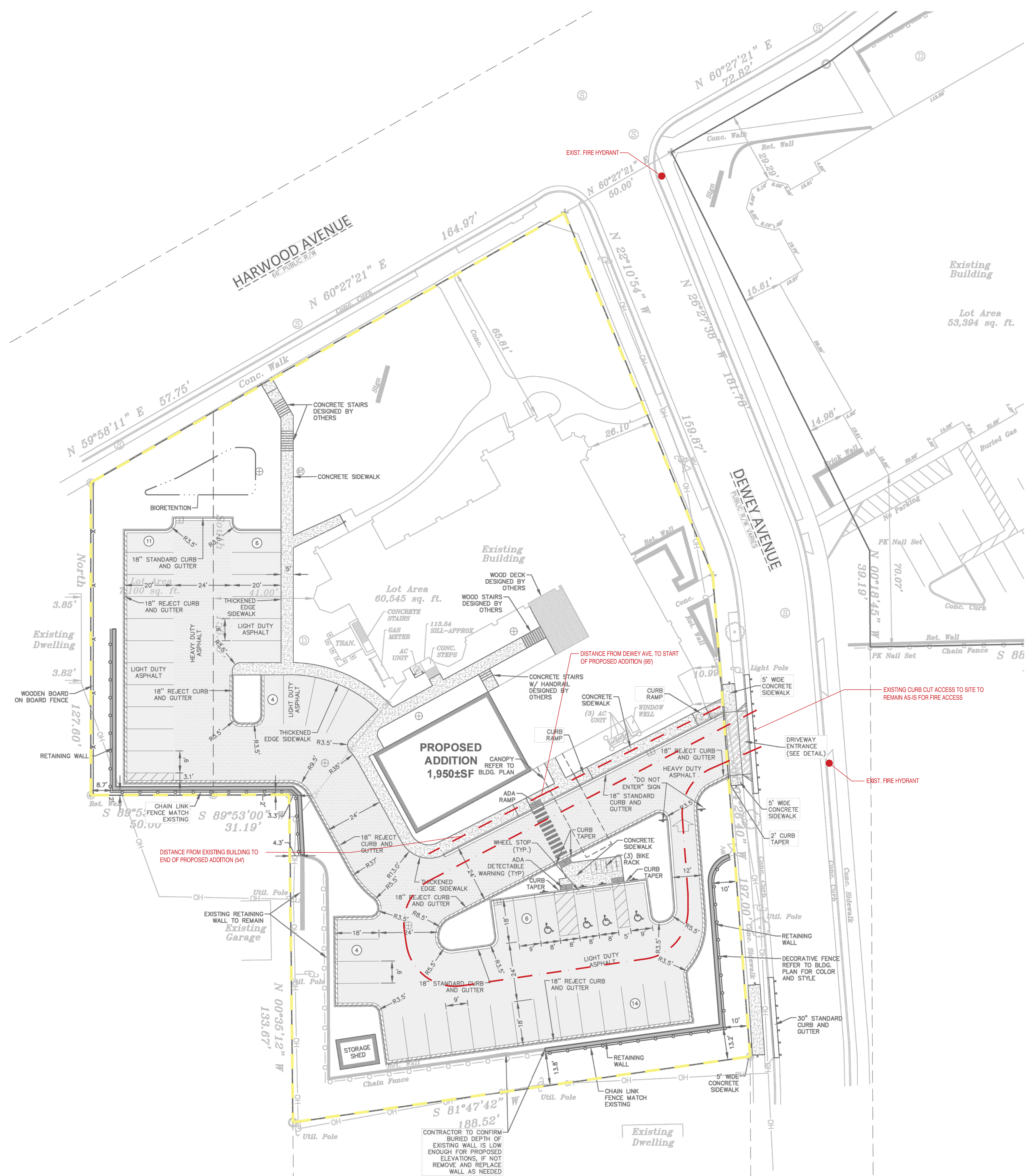


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Architect:	Engineer:	Reviewed By:
AMH		
Sheet Title:		
FIRE ACCESS SITE PLAN		
Sheet Number:		
C-002		
Project Number:		
P13586		



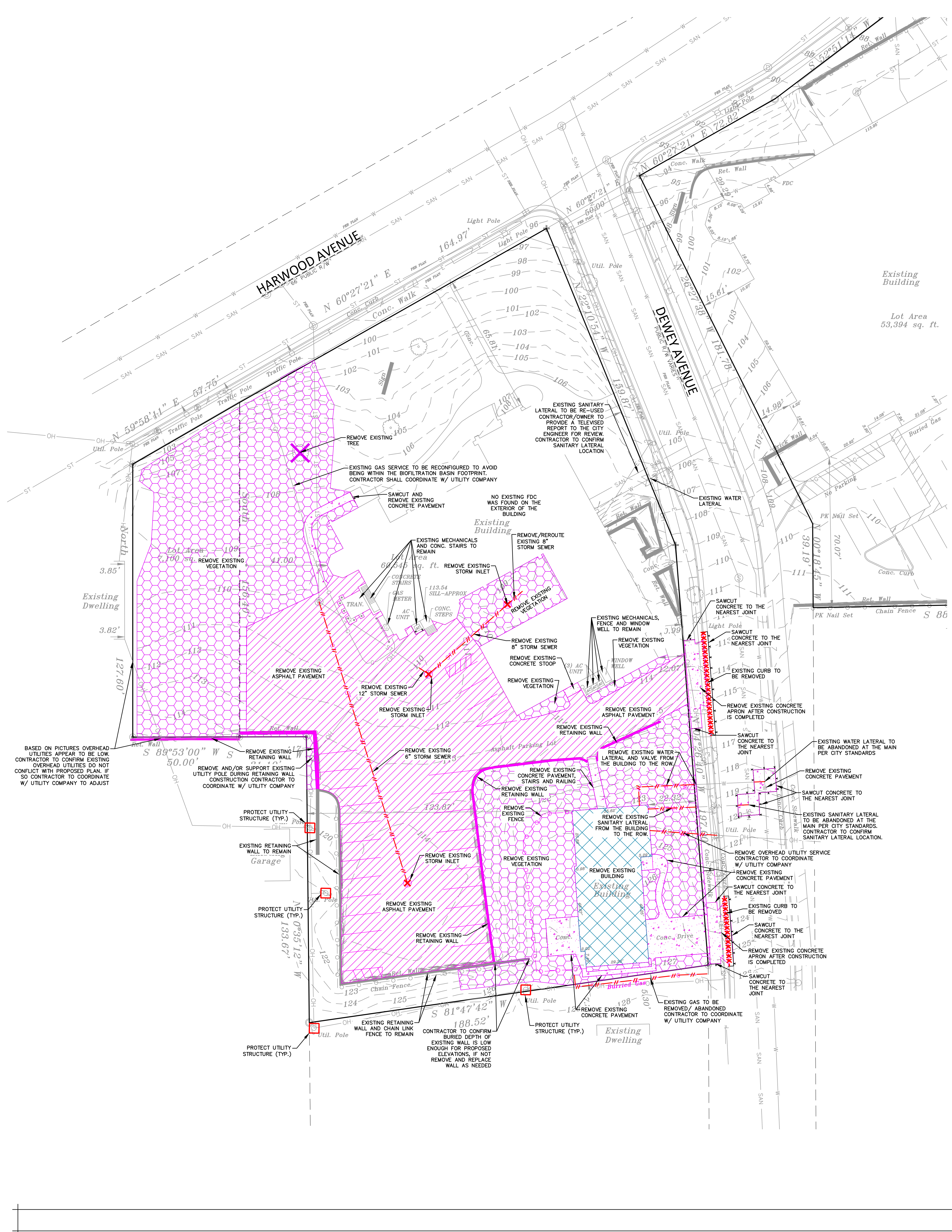
FIRE ACCESS SITE PLAN 1" = 20'-0"

LEADERS

ENGINEERS

CONTRACTORS

ARCHITECTS



DEMOLITION LEGEND/KEY

- EXISTING ASPHALT PAVEMENT AND BASE TO BE REMOVED
- EXISTING CONCRETE AND BASE TO BE REMOVED
- EXISTING CURB TO BE REMOVED
- REMOVE/ABANDON EXISTING UTILITIES
- EXISTING STRUCTURE TO BE REMOVED
- SAWCUT EXISTING PAVEMENT
- PROTECT UTILITY STRUCTURE
- EXISTING VEGETATION TO BE REMOVED
- REMOVE UTILITY STRUCTURE
- REMOVE TREE

LEGEND

- LIGHT POLE
- TELEPHONE PEDESTAL
- ELECTRICAL MANHOLE
- SIGN
- POWER POLE
- GUY WIRE
- SANITARY SEWER MANHOLE
- STORM MANHOLE
- CATCH BASIN ROUND
- CATCH BASIN SQUARE
- FIRE HYDRANT
- WATER VALVE
- GAS VALVE
- SANITARY SEWER
- WATER MAIN
- STORM SEWER
- ROOF DRAIN
- UNDERGROUND GAS
- UNDERGROUND ELECTRIC
- UNDERGROUND TELEPHONE
- UNDERGROUND FIBER OPTICS
- OVERHEAD UTILITY
- SILT FENCE
- CONFIDENTIAL TREE
- DECIDUOUS TREE

CIVIL SHEET INDEX

C-100	DEMOLITION PLAN
C-200	SITE PLAN
C-300	GRADING AND EROSION CONTROL PLAN
C-400	SITE UTILITY PLAN
C-500	DETAILS
C-601	DETAILS

THE EXISTING CONDITIONS SURVEY PROVIDED BY CLIENT, JSD PROFESSIONAL SERVICES, MAKES NO GUARANTEE ON THE ACCURACY OF THE SURVEY

DEMOLITION NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR DEMOLITION, REMOVAL, AND DISPOSAL (IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) OF ALL STRUCTURES, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC., IN A LAWFUL MANNER, SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL.
- THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING FOR ALL FEES AND CHARGES. COORDINATION REQUIRED PRIOR TO CONSTRUCTION.
- THIS PLAN INDICATES ITEMS ON THE PROPERTY INTENDED FOR DEMOLITION BASED ON THE CURRENT SITE DESIGN THAT HAVE BEEN IDENTIFIED BY A REASONABLE OBSERVATION OF THE EXISTING CONDITIONS THROUGH FIELD SURVEY RECONNAISSANCE, "DIGGER'S HOTLINE" LOCATION, AND GENERAL "STANDARD OF CARE". THERE MAY BE ADDITIONAL ITEMS THAT CAN NOT BE IDENTIFIED BY A REASONABLE ABOVE GROUND OBSERVATION, OF WHICH THE ENGINEER WOULD HAVE NO KNOWLEDGE OR MAY BE A PART OF ANOTHER DESIGN DISCIPLINE. IT IS THE CONTRACTOR'S/BIDDER'S RESPONSIBILITY TO REVIEW THE PLANS, INSPECT THE SITE AND PROVIDE THEIR OWN DUE DILIGENCE TO INCLUDE IN THEIR BID WHAT ADDITIONAL ITEMS, IN THEIR OPINION, MAY BE NECESSARY FOR DEMOLITION. ANY ADDITIONAL ITEMS IDENTIFIED BY THE CONTRACTOR/BIDDER SHALL BE IDENTIFIED IN THE BID AND THE ENGINEER OF RECORD. JSD PROFESSIONAL SERVICES, INC. (JSD) TAKES NO RESPONSIBILITY FOR ITEMS ON THE PROPERTY THAT COULD NOT BE LOCATED BY A REASONABLE OBSERVATION OF THE PROPERTY OR OF WHICH THEY WOULD HAVE NO KNOWLEDGE.
- ALL PERIMETER EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF DEMOLITION ACTIVITIES. KEEP ALL STREETS, PRIVATE DRIVES AND PAVEMENT FREE AND CLEAR OF ALL CONSTRUCTION RELATED DIRT, DUST AND DEBRIS.
- CONTRACTOR TO MAINTAIN CONTINUOUS ACCESS TO SURROUNDING PROPERTIES AND REMAINING PARTS OF THE EXISTING BUILDING AT ALL TIMES DURING THE DEMOLITION PHASE OF THE PROJECT.
- ALL TREES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS SPECIFICALLY CALLED OUT FOR PROTECTION. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND STUMPS SHALL BE GRIND TO PROPOSED SUBGRADE.
- PERFORM TREE PRUNING IN ALL LOCATIONS WHERE PROPOSED PAVEMENT AND/OR UTILITY INSTALLATION ENDOURCH WITHIN THE EXISTING DRIP LINE OF THE TREES TO REMAIN. ALL TREES WITHIN THE EXISTING DRIP LINE OF THE TREES TO REMAIN SHALL BE DONE RADICALLY AWAY FROM THE TRUNK IF ROOTS IN EXCESS OF 1" DIAMETER ARE EXPOSED, ROOTS MUST BE CUT BY REPUTABLE TREE PRUNING SERVICE PRIOR TO ANY TRANSVERSE TRENCHING.
- ALL LIGHT POLES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING BASE AND ALL APPURTENANCES. SALVAGE FOR RELOCATION. COORDINATE RELOCATION AND/OR ABANDONMENT OF ALL ELECTRIC LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
- ABANDONED/REMOVED ITEMS SHALL BE DISPOSED OF OFF SITE UNLESS OTHERWISE NOTED.
- VOIDS LEFT BY ANY ITEM REMOVED UNDER ANY PROPOSED PAVEMENT, WALK, ETC. OR WITHIN 24" THEREOF SHALL BE FILLED AND BACKFILLED WITH GRANULAR MATERIALS AND COMPACTED PER SPECIFICATIONS.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR:
 - EXAMINE ALL SITE CONDITIONS RELATIVE TO THE CONDITIONS INDICATED ON THE ENGINEERING DRAWINGS. ANY DISCREPANCIES ARE TO BE REPORTED IMMEDIATELY TO THE DESIGN ENGINEER AND RESOLVED PRIOR TO THE START OF CONSTRUCTION.
 - VERIFYING UTILITY ELEVATIONS AND NOTIFYING THE DESIGN ENGINEER OF ANY DISCREPANCIES. NO WORK SHALL BE PERFORMED UNTIL THE DISCREPANCIES ARE RESOLVED.
 - NOTIFYING ALL UTILITIES PRIOR TO THE REMOVAL OF ANY UNDERGROUND UTILITIES.
 - NOTIFYING THE DESIGN ENGINEER AND LOCAL CONTROLLING MUNICIPALITY 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION.
 - PERFORMING UTILITY LOCATE OBSERVATIONS (ULO) ON ALL UTILITY CROSSINGS. CONTRACTOR TO REPORT ANY PLAN DISCREPANCIES OR CONFLICTS PRIOR TO THE START OF UTILITY CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH THE APPROPRIATE UTILITY COMPANIES TO CONDUCT ULO'S.
- ALL EXISTING UTILITIES TO BE FIELD LOCATED AND FLAGGED BY CONTRACTOR.
- ANY SANITARY SEWER, SANITARY SEWER SERVICES, WATER MAIN, WATER SERVICES, STORM SEWER, OR OTHER UTILITIES WHICH ARE DAMAGED BY THE CONTRACTORS, SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL NOTIFY JSD OF ANY ROOF LEADERS AND/OR STORM DRAIN LINES ENCOUNTERED DURING DEMOLITION WHICH ARE NOT SHOWN ON THE PLANS PRIOR TO ABANDONMENT OR REMOVAL.
- CONTRACTOR IS RESPONSIBLE FOR SITE SAFETY DURING THE CONSTRUCTION OF THESE IMPROVEMENTS.
- ALL DEMOLITION SHALL BE IN ACCORDANCE WITH THE APPROVED MUNICIPALITY RECYCLING PLAN.
- ANY CONTAMINATED SOILS SHALL BE REMOVED IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS TO AN APPROVED LANDFILL.
- EXISTING FIBER OPTIC LINE(S) TO BE CLEARLY MARKED PRIOR TO ANY EXCAVATION. CONTRACTOR TO NOTIFY THE DESIGN ENGINEER IMMEDIATELY IF ANY DISCREPANCIES OCCUR IN THE LOCATION SHOWN OR PROPOSED IMPROVEMENTS IMPACTING EXISTING FIBER OPTIC LINE(S) LOCATION(S).
- CONTRACTOR TO REMOVE EXISTING UTILITY PIPE/CONDUITS WITHIN BUILDING FOOTPRINT AND BACKFILL WITH MATERIALS PER GEOTECHNICAL REPORT.
- CONTRACTOR MAY LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, CURB, SIDEWALK, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT CONTRACTOR'S EXPENSE.
- RESTORATION OF THE EXISTING ROADWAY RIGHT-OF-WAYS ARE CONSIDERED INCIDENTAL AND SHOULD BE PART OF THE COST OF THE UNDERGROUND IMPROVEMENTS, DEMOLITION AND REMOVAL. THIS INCLUDES CURB, GUTTER, SIDEWALK, TOPSOIL, SEEDING AND MULCHING.
- PROPOSED REMOVALS AND WORK IS SHOWN IN THE CITY RIGHT OF WAY. THE CONTRACTOR WILL NEED TO OBTAIN A CONSTRUCTION PERMIT PRIOR TO STARTING WORK.
- ALL WORK WITHIN THE PUBLIC RIGHT OF WAY REQUIRES A STREET OCCUPANCY PERMIT FROM THE CITY.



MSI GENERAL CORPORATION
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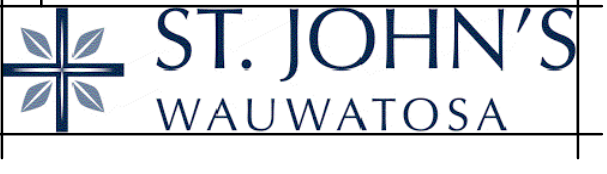
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Architect: AMH
Engineer: PSM
Reviewed By: APM

Sheet Title:
DEMOLITION PLAN

Sheet Number:
C-100
Project Number:
P13586

WISCONSIN PROFESSIONAL SERVICE REGISTRATION
ANDREW P. MERTZ
E4755
WAUKESHA
2/2/2024

north
SCALE IN FEET
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DIGGERS HOTLINE
Call 811 or (800) 242-8511
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Hearing Impaired TDD (800) 542-2289
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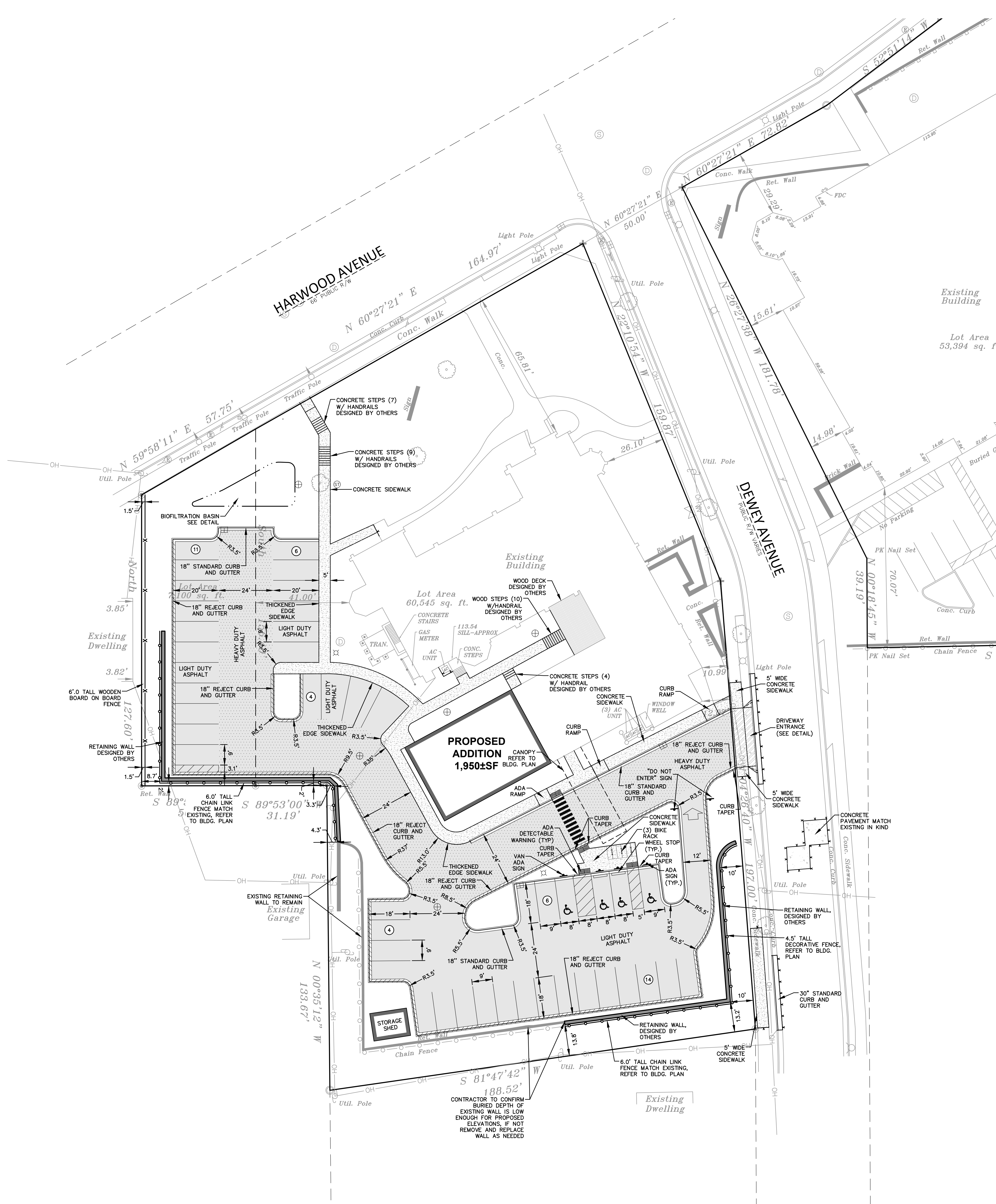
JSD
MILWAUKEE REGIONAL OFFICE
W228 N1910 BUSSE ROAD, SUITE 100
WAUKESHA, WISCONSIN 53188
P. 262.513.0666
JSD PROJ. NO.: 22-11640
JSD PROJ. MGR.: APM

MANAGERS

ENGINEERS

CONTRACTORS

ARCHITECTS



PAVING NOTES

- ALL PAVING SHALL CONFORM TO STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY & STRUCTURE CONSTRUCTION AND APPLICABLE CITY OF WAUWATOSA ORDINANCES.
- CONCRETE PAVING SPECIFICATIONS—
 CODES AND STANDARDS — THE PLACING, CONSTRUCTION AND COMPOSITION OF THE CONCRETE PAVEMENT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 415 AND 416 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, CURRENT EDITION. HEREAFTER, THIS PUBLICATION WILL BE REFERRED TO AS STATE HIGHWAY SPECIFICATIONS.
 CRUSHED AGGREGATE BASE COURSE — THE BASE COURSE SHALL CONFORM TO SECTIONS 301 AND 305, STATE HIGHWAY SPECIFICATIONS. CLEAN RECYCLED CRUSHED CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.
 SURFACE PREPARATION — NOTIFY CONTRACTOR OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.
 ASPHALTIC CONCRETE PAVING SPECIFICATIONS—
 CODES AND STANDARDS — THE PLACING, CONSTRUCTION AND COMPOSITION OF THE ASPHALTIC BASE COURSE AND ASPHALTIC CONCRETE SURFACING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 450, 455, 460 AND 465 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, EDITION OF 2005. HEREAFTER, THIS PUBLICATION WILL BE REFERRED TO AS STATE HIGHWAY SPECIFICATIONS.
 WEATHER LIMITATIONS — APPLY TACK COATS WHEN AMBIENT TEMPERATURE IS ABOVE 50° F (10° C) AND WHEN TEMPERATURE HAS NOT BEEN BELOW 35° F (1° C) FOR 12 HOURS IMMEDIATELY PRIOR TO APPLICATION. DO NOT APPLY WHEN BASE IS WET OR CONTAINS EXCESS AMOUNTS OF MOISTURE. CONSTRUCT ASPHALTIC CONCRETE COURSE WHEN AMBIENT TEMPERATURE IS ABOVE 40° F (4° C) AND WHEN BASE IS DRY AND WHEN WEATHER IS NOT RAINY. BASE COURSE MAY BE PLACED WHEN AIR TEMPERATURE IS ABOVE 30° F (-1° C).
 GRADE CONTROL — ESTABLISH AND MAINTAIN REQUIRED LINES AND ELEVATIONS FOR EACH COURSE DURING CONSTRUCTION.
 CRUSHED AGGREGATE BASE COURSE — THE TOP LAYER OF BASE COURSE SHALL CONFORM TO SECTIONS 301 AND 305, STATE HIGHWAY SPECIFICATIONS. CLEAN RECYCLED CRUSHED CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.
 BINDER COURSE AGGREGATE — THE AGGREGATE FOR THE BINDER COURSE SHALL CONFORM TO SECTIONS 460.2.7 AND 315, STATE HIGHWAY SPECIFICATIONS.
 SURFACE COURSE AGGREGATE — THE AGGREGATE FOR THE SURFACE COURSE SHALL CONFORM TO SECTIONS 460.2.7 AND 465, STATE HIGHWAY SPECIFICATIONS.
 ASPHALTIC MATERIALS — THE ASPHALTIC MATERIALS SHALL CONFORM TO SECTION 455 AND 460, STATE HIGHWAY SPECIFICATIONS.
 SURFACE PREPARATION — NOTIFY CONTRACTOR OF UNSATISFACTORY CONDITIONS. DO NOT BEGIN PAVING WORK UNTIL DEFICIENT SUBBASE AREAS HAVE BEEN CORRECTED AND ARE READY TO RECEIVE PAVING.

PAVEMENT STRIPING NOTES

- PARKING STALL PAVEMENT MARKINGS SHALL BE (4) INCH WIDE SOLID WHITE STRIPES.
- PROVIDE CONTRACTOR GRADE ACRYLIC STRIPING PAINT FOR NEW ASPHALT OR COATED ASPHALT. ALL STRIPING SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- THOROUGHLY CLEAN SURFACES FREE OF DIRT, SAND, GRAVEL, OIL AND OTHER FOREIGN MATTER. CONTRACTOR RESPONSIBLE TO INSPECT PAVEMENT SURFACES FOR CONDITIONS AND DEFECTS THAT WILL ADVERSELY AFFECT QUALITY OF WORK, AND WHICH CANNOT BE PUT INTO AN ACCEPTABLE CONDITION THROUGH NORMAL PREPARATORY WORK AS SPECIFIED.
- DO NOT PLACE MARKING OVER UNSOUND PAVEMENTS. IF THESE CONDITIONS EXIST, NOTIFY OWNER. STARTING INSTALLATION CONSTITUTES CONTRACTOR'S ACCEPTANCE OF SURFACE AS SUITABLE FOR INSTALLATION.
- LAYOUT MARKINGS USING GUIDE LINES, TEMPLATES AND FORMS. STENCILS AND TEMPLATES SHALL BE PROFESSIONALLY MADE TO INDUSTRY STANDARDS. "FREE HAND" PAINTING OF ARROWS, SYMBOLS, OR WORDING SHALL NOT BE ALLOWED. APPLY STRIPES STRAIGHT AND EVEN.
- PROTECT ADJACENT CURBS, WALKS, FENCES, AND OTHER ITEMS FROM RECEIVING PAINT.
- APPLY MARKING PAINT AT A RATE OF ONE (1) GALLON PER THREE TO FOUR HUNDRED (300-400) LINEAL FEET OF FOUR (4) INCH WIDE STRIPES. (OR TO MFG. SPECIFICATIONS)
- BARRICADE MARKED AREAS DURING INSTALLATION UNTIL THE MARKING PAINT IS DRIED AND READY FOR TRAFFIC.
- ALL HANDICAPPED ACCESSIBLE PARKING SHALL BE LOCATED PER 2009 IBC 1106.6

PAVEMENT THICKNESS NOTES

- ALL PAVING SHALL CONFORM TO STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY & STRUCTURE CONSTRUCTION — CURRENT EDITION AND ADDENDUM, APPLICABLE CITY OF WAUWATOSA ORDINANCES, AND THE GEOTECHNICAL ENGINEERING SERVICES REPORT PREPARED BY COG INC., DATED MARCH 8, 2023.
- ** FINAL PAVEMENT DESIGN TO BE DETERMINED BY OWNER BASED ON GEOTECHNICAL ENGINEER OF RECORD RECOMMENDATIONS. ALL PAVING SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEER OF RECORDS RECOMMENDATIONS AS SPECIFIED IN THE SAID GEOTECHNICAL REPORT.**
- MINIMUM PAVEMENT STRUCTURE**
- HEAVY DUTY ASPHALT PAVEMENT
 - 4-1/2" ASPHALTIC CONCRETE (2 LIFTS, 3" BINDER, 1-1/2" SURFACE)
 - UPPER LAYER (1.75" SURFACE, SLT 58.28 S)
 - LOWER LAYER (2.25" BINDER, 4LT 58.28 S)
 - 11" CRUSHED AGGREGATE BASE COURSE (1-1/4" DENSE GRADED LESTONE)
 - CLEAN RECYCLED CRUSHED CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.
 - LIGHT DUTY ASPHALT PAVEMENT
 - 3" ASPHALTIC CONCRETE (2 LIFTS, 1-1/2" BINDER, 1-1/2" SURFACE)
 - UPPER LAYER (1.25" SURFACE, SLT 58.28 S)
 - LOWER LAYER (1.5" BINDER, 4LT 58.28 S)
 - 8" CRUSHED AGGREGATE BASE COURSE (1-1/4" DENSE GRADED LESTONE)
 - CLEAN RECYCLED CRUSHED CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.
 - CONCRETE SIDEWALK AND STOOPS
 - 5" CONCRETE
 - CRUSHED AGGREGATE BASE COURSE
 - CLEAN RECYCLED CRUSHED CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.
 - CONCRETE PAVEMENT (DRIVEWAY APPROACH)
 - 7" CONCRETE
 - CRUSHED AGGREGATE BASE COURSE (1-1/4" DENSE GRADED LESTONE)
 - CLEAN RECYCLED CRUSHED CONCRETE MAY BE USED IF APPROVED BY GEOTECH ENGINEER OF RECORD.

GENERAL NOTES AND SPECIFICATIONS

- THE INTENTION OF THE PLANS AND SPECIFICATIONS IS TO SET FORTH PERFORMANCE AND CONSTRUCTION MATERIAL STANDARDS FOR THE PROPER EXECUTION OF WORK. ALL WORKS CONTAINED WITHIN THE PLANS AND SPECIFICATIONS SHALL BE COMPLETED IN ACCORDANCE WITH ALL REQUIREMENTS FROM LOCAL, STATE, FEDERAL OR OTHER GOVERNING AGENCY'S LAWS, REGULATIONS, JURISDICTIONAL ORDINANCES/CODES/RULES/ETC., AND THE OWNER'S DIRECTION.
- THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ANY ADDITIONAL SOILS INVESTIGATIONS THEY FEEL IS NECESSARY FOR THE PROPER EVALUATION OF THE SITE FOR PURPOSES OF PLANNING, BIDDING, OR CONSTRUCTING THE PROJECT AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE TO REVIEW AND UNDERSTAND ALL COMPONENTS OF THE PLANS AND SPECIFICATIONS, INCLUDING FIELD VERIFYING SOIL CONDITIONS, PRIOR TO SUBMISSION OF A BID PROPOSAL.
- THE CONTRACTOR SHALL PROMPTLY REPORT ANY ERRORS OR AMBIGUITIES DISCOVERED AS PART OF THEIR REVIEW OF PLANS, SPECIFICATIONS, REPORTS AND FIELD INVESTIGATIONS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE COMPUTATION OF QUANTITIES AND WORK REQUIRED TO COMPLETE THIS PROJECT. THE CONTRACTOR'S BID SHALL BE BASED ON THEIR OWN COMPUTATIONS AND UNDER NO CIRCUMSTANCES BE BASED ON THE ENGINEER'S ESTIMATE.
- QUESTIONS/CLARIFICATIONS WILL BE INTERPRETED BY ENGINEER/OWNER PRIOR TO THE AWARD OF CONTRACT. ENGINEER/OWNER WILL SUBMIT OFFICIAL RESPONSES IN WRITING. INTERPRETATIONS PRESENTED IN OFFICIAL RESPONSES SHALL BE BINDING ON ALL PARTIES ASSOCIATED WITH THE CONTRACT. IN NO WAY SHALL WORD-OF-MOUTH DIALOG CONSTITUTE AN OFFICIAL RESPONSE.
- PRIOR TO START OF WORK, CONTRACTOR SHALL BE COMPLETELY FAMILIAR WITH ALL CONDITIONS OF THE SITE, AND SHALL ACCOUNT FOR CONDITIONS THAT AFFECT, OR MAY AFFECT CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, LIMITATIONS OF WORK ACCESS, SPACE LIMITATIONS, OVERHEAD OBSTRUCTIONS, TRAFFIC PATTERNS, LOCAL REQUIREMENTS, ADJACENT ACTIVITIES, ETC. FAILURE TO CONSIDER SITE CONDITIONS SHALL NOT BE CAUSE FOR CLAIM OF JOB EXTRAS.
- COMMENCEMENT OF CONSTRUCTION SHALL EXPLICITLY CONFIRM THAT THE CONTRACTOR HAS REVIEWED THE PLANS AND SPECIFICATIONS IN THEIR ENTIRETY AND CERTIFIES THAT THEIR SUBMITTED BID PROPOSAL CONTAINS PROVISIONS TO COMPLETE THE PROJECT, WITH THE EXCEPTION OF UNPRESSED FIELD CONDITIONS. ALL APPLICABLE PERMITS HAVE BEEN OBTAINED; AND CONTRACTOR UNDERSTANDS ALL OF THE REQUIREMENTS OF THE PROJECT.
- SHOULD ANY DISCREPANCIES OR CONFLICTS IN THE PLANS OR SPECIFICATIONS BE DISCOVERED AFTER THE AWARD OF CONTRACT, ENGINEER SHALL BE NOTIFIED IN WRITING IMMEDIATELY AND CONSTRUCTION OF ITEMS AFFECTED BY THE DISCREPANCIES/CONFLICTS SHALL NOT COMMENCE, OR CONTINUE, UNTIL A WRITTEN RESPONSE FROM ENGINEER/OWNER IS DISTRIBUTED. IN THE EVENT OF A CONFLICT BETWEEN REFERENCED CODES, STANDARDS, SPECIFICATIONS AND PLANS, THE ONE ESTABLISHING THE MOST STRINGENT REQUIREMENTS SHALL BE FOLLOWED.
- THE CONTRACTOR SHALL, AT ITS OWN EXPENSE, OBTAIN ALL NECESSARY PERMITS AND LICENSES TO COMPLETE THE PROJECT. OBTAINING PERMITS, OR DELAYS IN OBTAINING PERMITS, IS NOT CAUSE FOR DELAY OF THE CONTRACT OR SCHEDULE. CONTRACTOR SHALL COMPLY WITH ALL PERMIT REQUIREMENTS.
- THE CONTRACTOR SHALL NOTIFY ALL INTERESTED GOVERNING AGENCIES, UTILITY COMPANIES AFFECTED BY THIS CONSTRUCTION PROJECT, AND "DIGGER'S HOTLINE" IN ADVANCE OF CONSTRUCTION TO COMPLY WITH ALL JURISDICTIONAL ORDINANCES/CODES/RULES/ETC. PERMIT STIPULATIONS, AND OTHER APPLICABLE STANDARDS. THE CONTRACTOR IS RESPONSIBLE TO DETERMINE WHICH ORDINANCES/CODES/RULES/ETC. ARE APPLICABLE.
- SAFETY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE TO INITIATE, INSTITUTE, ENFORCE, MAINTAIN, AND SUPERVISE ALL SAFETY PRECAUTIONS AND JOB SITE SAFETY PROGRAMS IN CONNECTION WITH THE WORK.
- CONTRACTOR SHALL KEEP THE JOBSITE CLEAN AND ORDERLY AT ALL TIMES. ALL LOCATIONS OF THE SITE SHALL BE KEPT IN A WORKING MANNER SUCH THAT DEBRIS IS REMOVED CONTINUOUSLY AND ALL RESPECTIVE CONTRACTORS OPERATE UNDER GENERAL "GOOD HOUSEKEEPING."
- THE CONTRACTOR SHALL INDEMNIFY THE OWNER, JSD, AND THEIR AGENTS FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, AND TESTING OF THE WORK ON THIS PROJECT.
- ALL FIELD/DRAIN TILE ENCOUNTERED DURING CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY REPORTED TO ENGINEER/OWNER. TILES ORIGINATING OUTSIDE THE PROJECT LIMITS SHALL BE RECONNECTED OR REROUTED TO MAINTAIN DRAINAGE. ENGINEER/OWNER SHALL DETERMINE THE MOST FAVORABLE METHOD OF RE-ESTABLISHMENT OF OFFSITE DRAINAGE. IF TILE IS ENCOUNTERED DURING TRENCH EXCAVATIONS, RE-ESTABLISHING TILE FUNCTIONALITY SHALL BE CONSIDERED AN INCIDENTAL EXPENSE.
- ALL WORK WITHIN CITY RIGHT-OF-WAY AND CITY EASEMENTS TO BE IN ACCORDANCE WITH CURRENT CITY STANDARD SPECIFICATIONS AND DETAILS. CONTRACTOR TO NOTIFY CITY ENGINEERING DEPT. 5 DAYS PRIOR TO WORK IN CITY RIGHT OF WAY.
- LIMITS OF FINAL CITY STREET PAVEMENT AND CURB AND GUTTER REMOVAL AND REPLACEMENTS TO BE MARKED BY CITY ENGINEERING STAFF IN FIELD.
- PROPOSED PAVEMENT RESTORATION LIMITS IN CITY STREET FOR DRIVEWAY APPROACH REMOVALS ARE SHOWN ARE MINIMUM AREAS. THE CITY REQUIRES PAVEMENT PATCHES TO BE WIDTH TO MATCH LENGTH OR TO CENTERLINE OF STREET.
- ALL WORK WITHIN THE PUBLIC RIGHT OF WAY REQUIRES A STREET OCCUPANCY PERMIT FROM THE CITY.

PRE-DEVELOPMENT (PROPERTY) LIMIT.	
PERVIOUS —	34,691 SF (51.3% GREEN SPACE)
IMPERVIOUS —	32,954 SF
POST-DEVELOPMENT (PROPERTY) LIMIT.	
PERVIOUS —	28,311 SF (41.9% GREEN SPACE)
IMPERVIOUS —	39,334 SF

PRE-DEVELOPMENT ONSITE PARKING STALLS:	
TOTAL PARKING STALLS —	30
ADA PARKING STALLS —	4
STANDARD PARKING STALLS —	21
NON-STRIPED PARKING STALLS —	5
POST-DEVELOPMENT ONSITE PARKING STALLS:	
TOTAL PARKING STALLS —	45
ADA PARKING STALLS —	4
STANDARD PARKING STALLS —	41
BIKE PARKING STALLS —	6

LEGEND

⊙	SANITARY SEWER MANHOLE	— SAN —	SANITARY SEWER
⊕	STORM MANHOLE	— W —	WATER MAIN
⊕	CATCH BASIN ROUND	— ST —	STORM SEWER
⊕	CATCH BASIN SQUARE	— RD —	ROOF DRAIN
⊕	FIRE HYDRANT	— G —	UNDERGROUND GAS
⊕	WATER VALVE	— E —	UNDERGROUND ELECTRIC
⊕	GAS VALVE	— T —	UNDERGROUND TELEPHONE
⊕	LIGHT POLE	— FIB —	UNDERGROUND FIBER OPTICS
⊕	TELEPHONE PEDESTAL	— OH —	OVERHEAD UTILITY
⊕	ELECTRICAL MANHOLE	— SF —	SILT FENCE
⊕	SIGN	—	18" STANDARD CURB AND GUTTER
⊕	POWER POLE	—	18" HIGH SIDE CURB AND GUTTER
⊕	QUY WIRE	—	CONFERRUS TREE
⊕		—	DEIDOUJUS TREE

WISCONSIN REGISTERED PROFESSIONAL ENGINEER
 ANDREW P. MERTZ
 E-4793
 WAUKESHA, WI
 2/3/2024

north
 SCALE IN FEET
 20' 0 20'

DIGGERS HOTLINE
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 Milwaukee Area (262) 432-7910
 Hearing Impaired TDD (800) 542-2289
 www.DiggersHotline.com

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 JSD PROJ. NO. 22-11640
 JSD PROJ. MGR. APM



MSI GENERAL CORPORATION
 P.O. BOX. 7
 OCONOMOWOC, WI 53066
 PHONE: 262-367-3661

WWW.MSIGENERAL.COM
 SINGLE SOURCE RESPONSIBILITY™

ISSUE DATES:

Proposal:	03/29/2024
Contract:	XX/XX/XXXX
State Submittal / Permit:	06/07/2023
City Submittal:	08/19/2025
City Resubmittal #1:	10/20/2023
City Resubmittal #2:	02/02/2024
LOCAL DESIGN REVIEW BOARD:	06/11/2026

REVISIONS:

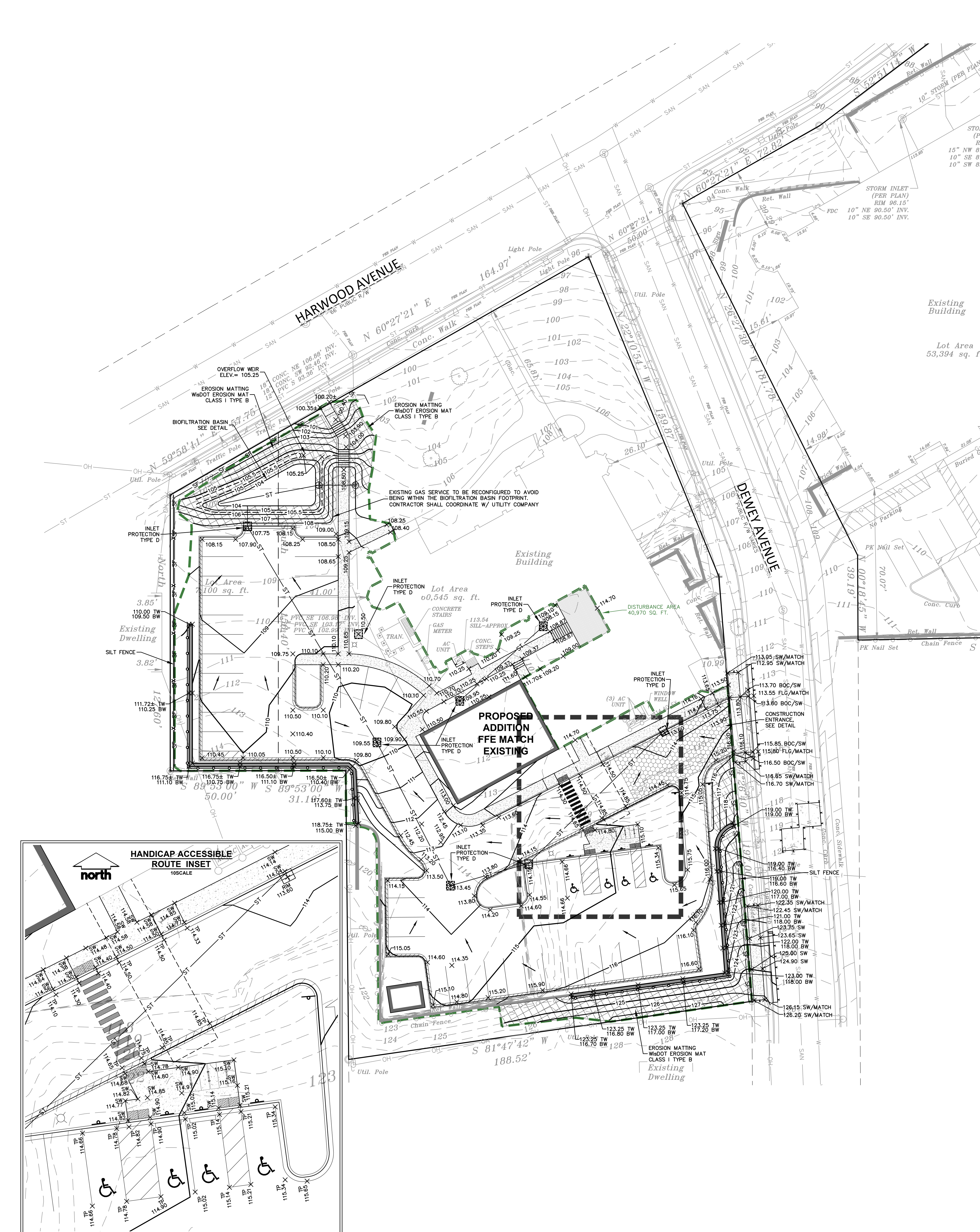
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ST. JOHN'S
 WAUWATOSA

PROJECT ADDRESS:
 PROJECT NAME
 St. John's Evangelical Lutheran Church
 STREET ADDRESS
 7809 Harwood Ave.
 CITY/ STATE / ZIP
 Wauwatosa, WI 53213

ALL WORK TO BE COMPLETED AS SHOWN, AND IN ACCORDANCE WITH THE LATEST EDITION OF THE MSI GENERAL MASTER SPECIFICATION

Architect:	Engineer:	Reviewed By:
AMH	PSM	APM
Sheet Title: SITE PLAN		
Sheet Number: C-200		
Project Number: P13586		



EROSION AND SEDIMENT CONTROL NOTES

1. ALL CONSTRUCTION SHALL ADHERE TO THE REQUIREMENTS SET FORTH IN WISCONSIN'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER GENERAL PERMIT FOR CONSTRUCTION SITE LAND DISTURBANCE ACTIVITIES. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) TECHNICAL STANDARDS (REFERRED TO AS BMP'S) AND CITY OF WAUWATOSA ORDINANCE. THESE PROCEDURES AND STANDARDS SHALL BE REFERRED TO AS BEST MANAGEMENT PRACTICES (BMP'S). IT IS THE RESPONSIBILITY OF ALL CONTRACTORS ASSOCIATED WITH THE PROJECT TO OBTAIN A COPY OF, AND UNDERSTAND, THE BMP'S PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.
2. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL CONTROL MEASURES AS DIRECTED BY JSD PROFESSIONAL SERVICES, INC. OR GOVERNING AGENCIES SHALL BE INSTALLED WITHIN 24 HOURS OF REQUEST.
3. MODIFICATIONS TO THE APPROVED EROSION CONTROL PLAN IN ORDER TO MEET UNFORESEEN FIELD CONDITIONS ARE ALLOWED IF MODIFICATIONS CONFORM TO BMP'S. ALL MODIFICATIONS MUST BE APPROVED BY JSD/MUNICIPALITY PRIOR TO DEVIATION OF THE APPROVED PLAN.
4. INSTALL PERIMETER EROSION CONTROL MEASURES (SUCH AS CONSTRUCTION ENTRANCES, SILT FENCE AND EXISTING INLET PROTECTION) PRIOR TO ANY SITE WORK, INCLUDING GRADING OR DISTURBANCE OF EXISTING SURFACE COVER, AS SHOWN ON PLAN IN ORDER TO PROTECT ADJACENT PROPERTIES/STORM SEWER SYSTEMS FROM SEDIMENT TRANSPORT.
5. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL LOCATIONS OF VEHICLE INGRESS/EGRESS POINTS. CONTRACTOR IS RESPONSIBLE TO COORDINATE LOCATIONS WITH THE PROPER AUTHORITIES. PROVIDE NECESSARY FEES AND OBTAIN ALL REQUIRED APPROVALS OR PERMITS. ADDITIONAL CONSTRUCTION ENTRANCES OTHER THAN AS SHOWN ON THE PLANS MUST BE PRIOR APPROVED BY THE APPLICABLE GOVERNING AGENCIES PRIOR TO INSTALLATION.
6. PAVED SURFACES ADJACENT TO CONSTRUCTION ENTRANCES SHALL BE SWEEPED AND/OR SCRAPED TO REMOVE ACCUMULATED SOIL, DIRT AND/OR DUST AFTER THE END OF EACH WORK DAY AND AS REQUESTED BY THE GOVERNING AGENCIES.
7. ALL EXISTING STORM SEWER FACILITIES THAT WILL COLLECT RUNOFF FROM DISTURBED AREAS SHALL BE PROTECTED TO PREVENT SEDIMENT DEPOSITION WITHIN STORM SEWER SYSTEMS. INLET PROTECTION SHALL BE IMMEDIATELY FITTED AT THE INLET OF ALL INSTALLED STORM SEWER, ALL INLETS, STRUCTURES, PIPES, AND SWALES SHALL BE KEPT CLEAN AND FREE OF SEDIMENTATION AND DEBRIS.
8. EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.) OUTSIDE OF THE PERIMETER CONTROLS SHALL INCORPORATE THE FOLLOWING:
 - PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
 - BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
 - DISCHARGE TRENCH WATER INTO A SEDIMENTATION BASIN OR FILTERING TANK IN ACCORDANCE WITH BMP'S PRIOR TO RELEASE INTO STORM SEWER OR DITCHES.
9. AT A MINIMUM, SEDIMENT BASINS AND NECESSARY TEMPORARY DRAINAGE PROVISIONS SHALL BE CONSTRUCTED AND OPERATIONAL BEFORE BEGINNING OF SIGNIFICANT MASS GRADING OPERATIONS TO PREVENT OFFSITE DISCHARGE OF UNTREATED RUNOFF.
10. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION. THE OWNER WILL BE RESPONSIBLE IF EROSION CONTROL IS REQUIRED AFTER THE CONTRACTOR HAS COMPLETED THE PROJECT.
11. THE CONTRACTOR SHALL NOT STOCKPILE SOIL. ALL SOIL TO BE HAULED OFF THE SITE IMMEDIATELY.
12. EROSION CONTROL MEASURES TEMPORARILY REMOVED FOR UNAVOIDABLE CONSTRUCTION ACTIVITIES SHALL BE IN WORKING ORDER PRIOR TO THE COMPLETION OF EACH WORK DAY.
13. MAINTAIN SOIL EROSION CONTROL DEVICES THROUGHOUT THE DURATION OF THIS PROJECT. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES NO LONGER NEEDED. DISTURBANCES ASSOCIATED WITH EROSION CONTROL REMOVAL SHALL BE IMMEDIATELY STABILIZED.
14. PUMPS MAY BE USED AS BYPASS DEVICES. IN NO CASE SHALL PUMPED WATER BE DIVERTED OUTSIDE THE PROJECT LIMITS.
15. GRADING EFFORTS SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. EROSION CONTROL MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY OR PERMANENT MEASURES. ALL DISTURBED AREAS THAT WILL NOT BE WORKED FOR A PERIOD OF THIRTY (30) DAYS REQUIRE PROTECTIVE MEASURES FOR EROSION CONTROL. SEDING FOR EROSION CONTROL SHALL BE IN ACCORDANCE WITH TECHNICAL STANDARDS.
16. ALL DISTURBED SLOPES EXCEEDING 4:1 YET LESS THAN 3:1, SHALL BE STABILIZED WITH NORTH AMERICAN GREEN STYREN EROSION MATTING (OR APPROVED EQUAL) AND DISTURBED SLOPES EXCEEDING 3:1 YET LESS THAN 2:1 SHALL BE STABILIZED WITH NORTH AMERICAN GREEN STYREN (OR APPROVED EQUAL) OR APPLICATION OF AN APPROVED POLYMER SOIL STABILIZATION TREATMENT OR A COMBINATION THEREOF. AS REQUIRED, EROSION MATTING AND/OR NETTING USED ONSITE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S GUIDELINES.
17. DURING PERIODS OF EXTENDED DRY WEATHER, THE CONTRACTOR SHALL KEEP A WATER TRUCK ON SITE FOR THE PURPOSE OF WATERING DOWN SOILS WHICH MAY OTHERWISE BECOME AIRBORNE. THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING WIND EROSION (DUST) DURING CONSTRUCTION AT HIS/HER EXPENSE.
18. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE VISUALLY INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM ON A DAILY BASIS.
19. QUALIFIED PERSONNEL (PROVIDED BY THE GENERAL/PRIME CONTRACTOR) SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED AND EROSION AND SEDIMENT CONTROLS WITHIN 24 HOURS OF ALL 0.5-INCH OR MORE PRECIPITATION EVENTS WITH A MINIMUM INSPECTION INTERVAL OF ONCE EVERY SEVEN (7) CALENDAR DAYS IN THE ABSENCE OF A QUALIFYING RAIN OR SNOWFALL EVENT. INSPECTIONS SHALL BE CONDUCTED WITH PART 14 OF THE NPDES GENERAL PERMIT. CONTRACTOR SHALL IMMEDIATELY ARRANGE TO HAVE ANY DEFICIENT ITEMS REVEALED DURING INSPECTIONS REPAIRED/REPLACED.
20. THE FOLLOWING MAINTENANCE PRACTICES SHALL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITION, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES, AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN, UPON IDENTIFICATION, DEFICIENCIES IN STORMWATER CONTROLS SHALL BE ADDRESSED IMMEDIATELY. THE MAINTENANCE PROCEDURES FOR EACH MEASURE SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
 - SILT FENCE - REPAIR OR REPLACE ANY DAMAGED FILTER FABRIC AND/OR STAKES. REMOVE ACCUMULATED SEDIMENT WHEN IT HAS REACHED ONE-HALF THE ABOVE GROUND HEIGHT OF THE FENCE.
 - CONSTRUCTION ENTRANCE - AS NEEDED, ADD STONE TO MAINTAIN CONSTRUCTION ENTRANCE DIMENSIONS AND EFFECTIVENESS.
 - DITCH CHECK (STORMWATER) - RE-SECURE STAKES; ADJUST OR REPOSITION BALES TO ADDRESS PROPER FLOW STORMWATER; AND REMOVE ACCUMULATED SEDIMENT WHEN IT HAS REACHED ONE-HALF THE HEIGHT OF THE BALES.
 - EROSION CONTROL MATTING - REPAIR MATTING IMMEDIATELY IF INSPECTION REVEALS BREACHED OR FAILED CONDITIONS. REPAIR AND RE-GRADE SOIL WHERE CHANNELIZATION HAS OCCURRED.
 - SEDIMENT BERM/SWALE - REPLACE OR RE-COMPACT THE CONSTRUCTION MATERIALS AS NECESSARY.
 - INLET PROTECTION - CLEAN, REPAIR OR REPLACE FILTER FABRIC AND/OR STONE WHEN CONTROL MEASURE IS CLOGGED. INLET FILTER BAGS SHALL BE REPLACED ONCE BAG BECOMES ONE-HALF FULL OF SEDIMENT.

LEGEND

⊙	SANITARY SEWER MANHOLE	SAN	SANITARY SEWER
⊙	STORM MANHOLE	W	WATER MAIN
⊙	CATCH BASIN ROUND	ST	STORM SEWER
⊙	CATCH BASIN SQUARE	RD	ROOF DRAIN
⊙	FIRE HYDRANT	G	UNDERGROUND GAS
⊙	WATER VALVE	E	UNDERGROUND ELECTRIC
⊙	GAS VALVE	T	UNDERGROUND TELEPHONE
⊙	LIGHT POLE	FIB	UNDERGROUND FIBER OPTICS
⊙	TELEPHONE PEDESTAL	OH	OVERHEAD UTILITY
⊙	ELECTRICAL MANHOLE	SF	SILT FENCE
⊙	SIGN	—	18" STANDARD CURB AND GUTTER
⊙	POWER POLE	—	18" HIGH SIDE CURB AND GUTTER
⊙	GUY WIRE	—	CONIFEROUS TREE
⊙		—	DECIDUOUS TREE

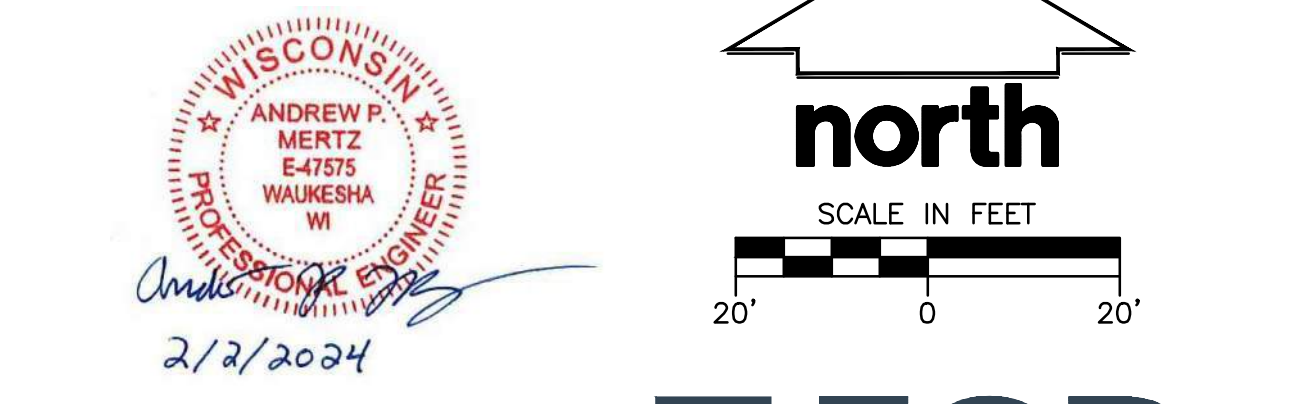
CITY OF WAUWATOSA EROSION CONTROL NOTES

1. SITE BENCHMARKING: WATER PUMPED FROM THE SITE SHALL BE TREATED BY SEDIMENT BASINS OR OTHER APPROPRIATE BEST MANAGEMENT PRACTICES SPECIFIED IN THE WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMP) HANDBOOK. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE, ADJACENT SITES, OR RECEIVING CHANNELS.
2. WASTE AND MATERIAL DISPOSAL: ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS, OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.
3. TRACKING: EACH SITE SHALL HAVE GRAVELED ROADS, ACCESS DRIVES AND PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH TO PREVENT SEDIMENT FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY STREET CLEANING, TO THE SATISFACTION OF THE CITY, BEFORE THE END OF EACH WORKDAY. FLUSHING MAY NOT BE USED UNLESS SEDIMENT WILL BE CONTROLLED BY A SEDIMENT BASIN OR OTHER APPROPRIATE BEST MANAGEMENT PRACTICE SPECIFIED IN THE BMP HANDBOOK.
4. SEDIMENT CLEANUP: ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF A STORM EVENT SHALL BE CLEANED UP BY THE END OF THE NEXT WORK DAY. ALL OTHER OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE CLEANED UP BY THE END OF THE WORK DAY.
5. ALL ACTIVITIES ON THE SITE SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE AREA OF BARE SOIL EXPOSED AT ANY ONE TIME.
6. ALL DISTURBED GROUND LEFT INACTIVE FOR SEVEN OR MORE DAYS SHALL BE STABILIZED BY TEMPORARY OR PERMANENT VEGETATION, TEMPORARY SEEDING AND MULCHING, SOODING, COVERING WITH TARP, OR EQUIVALENT BEST MANAGEMENT PRACTICES. IF TEMPORARY SEEDING IS USED, A PERMANENT COVER SHALL ALSO BE REQUIRED AS PART OF THE FINAL SITE STABILIZATION. SEEDING OR SOODING SHALL BE REQUIRED AS PART OF THE FINAL SITE STABILIZATION.
7. SOIL OR DIRT STORAGE PILES SHALL BE LOCATED A MINIMUM OF TWENTY-FIVE FEET FROM ANY DOWNSLOPE, ROAD, LAKE, STREAM, WETLAND, OR DRAINAGE CHANNEL. STRAW BALE OR FILTER FABRIC FENCES SHALL BE PLACED ON THE DOWN SLOPE SIDE OF THE PILES. IF REMAINING FOR MORE THAN SEVEN DAYS, PILES SHALL BE STABILIZED BY MULCHING, VEGETATIVE COVER, TARPS OR OTHER MEANS.
8. WHEN THE DISTURBED AREA HAS BEEN STABILIZED BY PERMANENT VEGETATION OR OTHER MEANS, TEMPORARY MANAGEMENT PRACTICES SUCH AS FILTER FABRIC FENCES, STRAW BALES, SEDIMENT AND SEDIMENT TRAPS SHALL BE REMOVED.
9. NOTIFY THE CITY ENGINEERING DEPARTMENT (479-8934) WITHIN TWO WORKING DAYS OF COMMENCING ANY LAND DEVELOPMENT OR LAND DISTURBING ACTIVITY.
10. NOTIFY THE CITY OF COMPLETION OF ANY BEST MANAGEMENT PRACTICES WITHIN THE NEXT WORKING DAY AFTER THEIR INSTALLATION.
11. OBTAIN PERMISSION IN WRITING FROM THE CITY OF WAUWATOSA ENGINEERING DEPARTMENT PRIOR TO WHICH MAY INCLUDE EXCAVATION OF TEMPORARY DITCHES TO PREVENT FLOODING, AND IF NECESSARY PUMPING TO ALLEVIATE FLOODING. CONTRACTOR SHALL PREVENT SURFACE WATER FROM ENTERING INTO EXCAVATIONS. IN NO WAY SHALL OWNER BE RESPONSIBLE FOR REMEDIATION OF UNSUITABLE SOILS CREATED/ORIGINATED AS A RESULT OF IMPROPER SITE GRADING OR SEQUENCING. CONTRACTOR SHALL SEQUENCE GRADING ACTIVITIES TO LIMIT EXPOSURE OF DISTURBED SOILS DUE TO WEATHER.
12. THE CONTRACTOR IS RESPONSIBLE FOR MEETING MINIMUM COMPACTION STANDARDS AS RECOMMENDED BY THE GEOTECHNICAL ENGINEER. CONTRACTOR SHALL REFER TO THE GEOTECHNICAL ENGINEERING SERVICES REPORT PREPARED BY AND DATED 2022 FOR SITE COMPACTION REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY ENGINEER/OWNER IF PROPER COMPACTION CANNOT BE OBTAINED. THE PROJECT'S GEOTECHNICAL CONSULTANT SHALL DETERMINE WHICH IN-SITU SOILS ARE TO BE CONSIDERED UNSUITABLE SOILS. THE ENGINEER/OWNER AND GEOTECHNICAL TESTING CONSULTANT WILL DETERMINE IF REMEDIAL MEASURES WILL BE NECESSARY.
13. IN THE EVENT THAT ANY MOISTURE-DENSITY TEST(S) FAIL TO MEET SPECIFICATION REQUIREMENTS, THE CONTRACTOR SHALL PERFORM CORRECTIVE WORK AS NECESSARY TO BRING THE MATERIAL INTO COMPLIANCE AND REPORT THE FAILED AREA AT NO COST TO THE OWNER.
14. WITH THE AUTHORIZATION OF THE ENGINEER/OWNER, MATERIAL THAT IS TOO WEAK TO PERMIT PROPER COMPACTION MAY BE SPREAD ON FILL AREAS IN AN EFFORT TO DRY. CONTRACTOR SHALL CLEARLY MARK THE EXTERIOR LIMITS OF SPREAD MATERIAL WITH PAINTED LATH AND SUBMIT A PLAN TO THE ENGINEER/OWNER. UNDER NO CIRCUMSTANCES SHALL THE SPREAD MATERIAL DEPTH EXCEED THE MORE RESTRICTIVE OF: THE EFFECTIVE TREATMENT DEPTH OF MACHINERY THAT WILL BE USED TO TURNOVER THE SPREAD MATERIAL; OR THE MAXIMUM COMPACTION LIFT DEPTH.
15. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER/OWNER IF GROUNDWATER IS ENCOUNTERED DURING EXCAVATION.
16. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF ADEQUATE AND SAFE TEMPORARY SHORING, BRACING, RETENTION STRUCTURES, AND EXCAVATIONS.
17. THE SITE SHALL BE COMPLETED TO WITHIN 0.10-FT (+/-) OF THE PROPOSED GRADES AS INDICATED WITHIN THE PLAN. CONTRACTOR SHALL PLACE STAKE MARKERS AT THE CORNERS OF THE SPREAD MATERIAL DEPTH EXCEEDED THE MORE RESTRICTIVE OF: THE EFFECTIVE TREATMENT DEPTH OF MACHINERY THAT WILL BE USED TO TURNOVER THE SPREAD MATERIAL; OR THE MAXIMUM COMPACTION LIFT DEPTH.
18. CONTRACTOR SHALL CONTACT "DIGGER'S HOTLINE" FOR LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES AND SHALL BE RESPONSIBLE FOR PROTECTING SAID UTILITIES FROM ANY DAMAGE DURING CONSTRUCTION.
19. CONTRACTOR SHALL PROTECT INLETS AND ADJACENT PROPERTIES WITH SILT FENCING OR APPROVED EROSION CONTROL METHODS UNTIL CONSTRUCTION IS COMPLETED. CONTRACTOR SHALL PLACE SILT FENCING AT DOWN SLOPE SIDE OF GRADING LIMITS.
20. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO ANY EXISTING FACILITIES OR UTILITIES. ANY DAMAGES SHALL BE REPAIRED TO THE OWNER'S SATISFACTION AT THE EXPENSE OF THE CONTRACTOR.
21. WORK WITHIN ANY ROADWAY RIGHT-OF-WAY SHALL BE COORDINATED WITH THE APPROPRIATE MUNICIPAL OFFICIAL PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL BE OBTAINING ALL NECESSARY PERMITS AND FEES. GRADING WITHIN RIGHT-OF-WAY IS SUBJECT TO APPROVAL BY SAID OFFICIALS. RESTORATION OF RIGHT-OF-WAY IS CONSIDERED INCIDENTAL AND SHALL BE INCLUDED IN THE COST OF GRADING. RESTORATION SHALL INCLUDE ITEMS SUCH AS: RESTORE RIGHT-OF-WAY TO ORIGINAL CONDITION INCLUDING LANDSCAPING.
22. CONTRACTOR SHALL COMPLY WITH ALL CITY AND/OR STATE CONSTRUCTION STANDARDS/ORDINANCES.
23. THE STORM WATER FACILITY SHALL BE INSPECTED BY A CITY OF WAUWATOSA INSPECTOR AT LEAST ONCE DURING CONSTRUCTION AND ONCE AFTER FINAL SITE STABILIZATION.
24. ALL WORK WITHIN THE PUBLIC RIGHT OF WAY REQUIRES A STREET OCCUPANCY PERMIT FROM THE CITY.

CONSTRUCTION SITE SEQUENCING

1. INSTALL PERIMETER SILT FENCE, EXISTING INLET PROTECTION, AND TEMPORARY CONSTRUCTION ENTRANCE. (APRIL 2024 TO APRIL 2024)
2. DEMOLISH EXISTING PAVEMENT, RETAINING WALLS, BUILDING, STRIP AND HAUL OFF TOPSOIL. (APRIL 2024 TO MAY 2024)
3. CONSTRUCT PROPOSED BUILDING, CONDUCT ROUGH GRADING EFFORTS, AND INSTALL UTILITY PIPING AND STRUCTURES, IMMEDIATELY INSTALL INLET PROTECTION. (MAY 2024 TO AUGUST 2024)
4. COMPLETE FINAL GRADING, INSTALLATION OF GRAVEL BASE COURSES, PLACEMENT OF CURBS, PAVEMENTS, WALKS, ETC. (AUGUST 2024 TO SEPTEMBER 2024)
5. PLACE IMPORTED TOPSOIL AND IMMEDIATELY STABILIZE DISTURBED AREAS WITH EROSION CONTROLS. (SEPTEMBER 2024 TO NOVEMBER 2024)
6. EROSION CONTROL MEASURES SHALL BE REMOVED ONLY AFTER SITE CONSTRUCTION IS COMPLETE WITH ALL SOIL SURFACES HAVING AN ESTABLISHED VEGETATIVE COVER THAT MEETS OR EXCEEDS THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES DEFINITION OF "FINAL STABILIZATION". (NOVEMBER 2024)

CONTRACTOR MAY MODIFY SEQUENCING AFTER ITEM 1 AS NEEDED TO COMPLETE CONSTRUCTION IF EROSION CONTROLS ARE MAINTAINED IN ACCORDANCE WITH THE CONSTRUCTION SITE EROSION CONTROL REQUIREMENTS.



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WALKAESHA, WISCONSIN 53188
P. 262.513.0666
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JSD PROJ. MGR. APM

GRADING & EROSION CONTROL PLAN 1"=20'-0"



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PROJECT ADDRESS:
PROJECT NAME
St. John's Evangelical Lutheran Church
STREET ADDRESS
7809 Harwood Ave.
CITY/STATE / ZIP
Wauwatosa, WI 53213

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Architect: AMH
Engineer: PSM
Reviewed By: APM

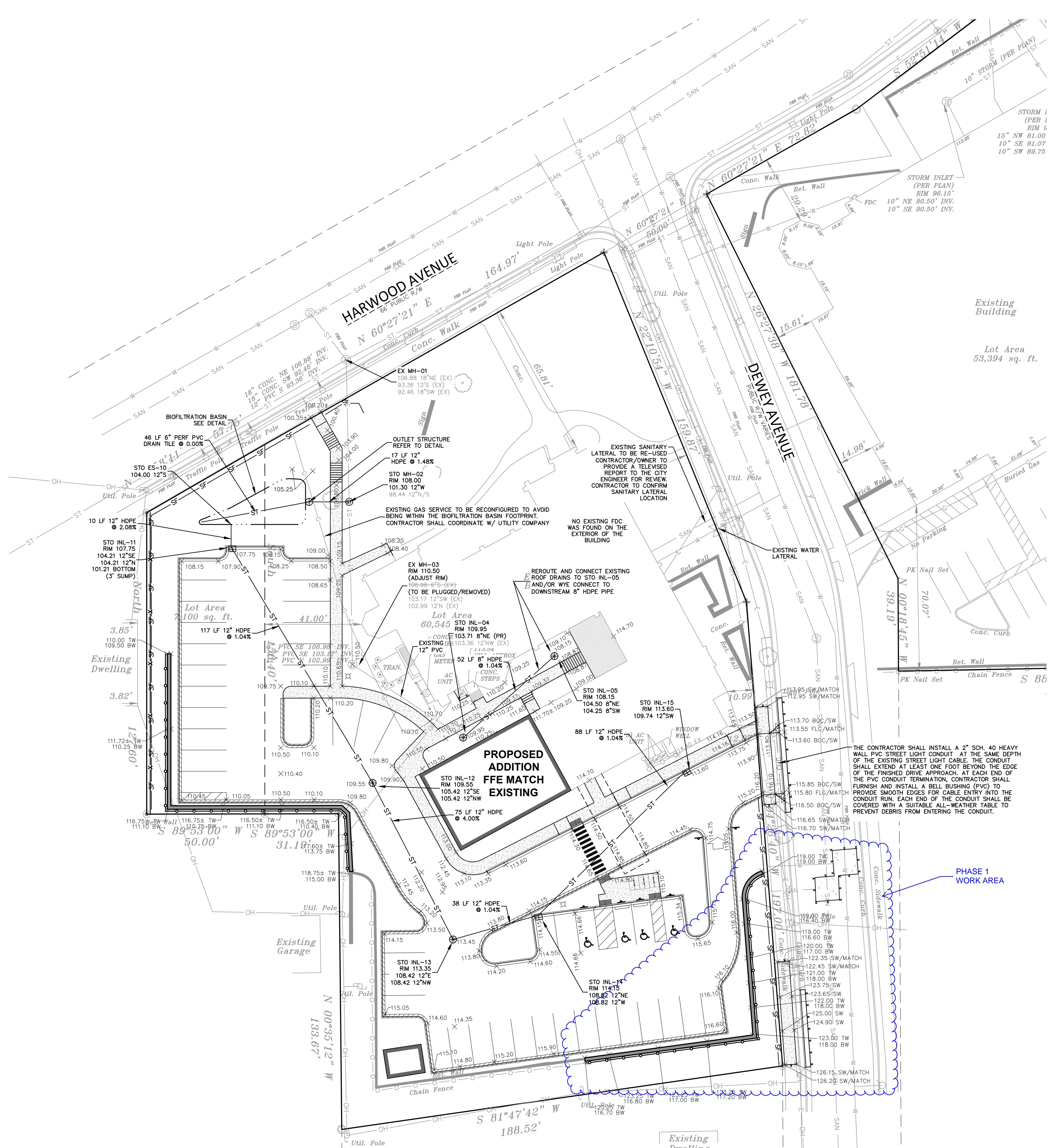
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GRADING & EROSION CONTROL PLAN
Sheet Number:
C-300
Project Number:
P13586

MANAGERS

ENGINEERS

CONTRACTORS

ARCHITECTS



UTILITY NOTES

- EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TYPE, LOCATION, SIZE AND ELEVATION OF UNDERGROUND UTILITIES AS THEY DEEM NECESSARY FOR PROPOSED UTILITY CONNECTIONS AND/OR TO AVOID DAMAGE THEREOF. CONTRACTOR SHALL CALL "DIGGERS HOTLINE" PRIOR TO ANY CONSTRUCTION.
- ALL UTILITY WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN (WISCONSIN LATEST EDITION AND ADDENDUM) AND ALL STATE AND LOCAL CODES AND SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE WHICH SPECIFICATIONS AND CODES APPLY, AND TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE APPROPRIATE LOCAL AND STATE AUTHORITIES.
- UTILITY CONSTRUCTION AND SPECIFICATIONS SHALL COMPLY WITH THE CITY OF WAUWATOSA MUNICIPAL CODE AND WISCONSIN DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES (DPS) 382.
- TRACER WIRES SHALL BE INSTALLED AS NECESSARY IN ACCORD WITH 182.0715(2R) OF THE STATE STATUTES AND CITY OF WAUWATOSA REQUIREMENTS.
- LENGTHS OF PROPOSED UTILITIES ARE TO CENTER OF STRUCTURES OR FITTINGS AND MAY VARY SLIGHTLY FROM PLAN LENGTHS ARE SHOWN FOR CONTRACTOR CONVENIENCE ONLY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPUTATIONS OF MATERIALS REQUIRED TO COMPLETE WORK. LENGTHS SHALL BE FIELD VERIFIED DURING CONSTRUCTION.
- CONTRACTOR SHALL ADJUST AND/OR RECONSTRUCT EXISTING UTILITY COVERS (SUCH AS MANHOLE COVERS, VALVE BOX COVERS, ETC.) TO MATCH FINISHED GRADES OF THE AREAS DISTURBED DURING CONSTRUCTION.
- CONTRACTOR SHALL FIELD VERIFY LOCATIONS, ELEVATIONS, AND SIZES OF PROPOSED UTILITIES AND CHECK ALL UTILITY CROSSINGS FOR CONFLICTS PRIOR TO ATTEMPTING CONNECTIONS AND BEGINNING UTILITY CONSTRUCTION.
- STORM SEWER SPECIFICATIONS -
 PIPE - REINFORCED CONCRETE PIPE (RCP) SHALL MEET THE REQUIREMENTS OF ASTO CLASS IV (MINIMUM) C-76 WITH RUBBER GASKET JOINTS CONFORMING TO ASTO C-443; HIGH DENSITY DUAL-WALL POLYETHYLENE N-12 CORRUGATED PIPE (HDPE) SHALL BE AS MANUFACTURED BY ADS OR EQUAL WITH WATER TIGHT JOINTS, AND SHALL MEET THE REQUIREMENTS OF ASTO DESIGNATION M-294 TYPE "S", OR POLYVINYL CHLORIDE (PVC) - CLASS PS46 MEETING AASHTO M278, AS NOTED.
 INLETS/CATCH BASINS - INLETS/CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FILE NO. 25 OF THE "STANDARD SPECIFICATIONS" WITH A 1'-8" X 2'-6" MAXIMUM OPENING. FRAME & GRATE SHALL BE NEENAH R-2504 WITH TYPE G GRATE, OR EQUAL. CURB FRAME & GRATE SHALL BE NEENAH R-33228 WITH TYPE G GRATE, OR EQUAL.
 BACKFILL AND BEDDING - STORM SEWER SHALL BE CONSTRUCTED WITH GRAVEL BACKFILL AND CLASS "B" BEDDING IN ALL PAVED AREAS AND TO A POINT 5 FEET BEYOND THE EDGE OF PAVEMENT. TRENCHES RUNNING PARALLEL TO AND LESS THAN 5 FEET FROM THE EDGE OF PAVEMENT SHALL ALSO REQUIRE GRAVEL BACKFILL. LANDSCAPED AREAS MAY BE BACKFILLED WITH EXCAVATED MATERIAL IN CONFORMANCE WITH SECTION 8.43.5 OF THE "STANDARD SPECIFICATIONS".
 MANHOLE FRAMES AND COVERS - MANHOLE FRAMES AND COVERS SHALL BE NEENAH-1713 WITH TYPE "B" SELF SEALING LIDS, NON-ROCKING OR EQUAL.
 FIELD TILE CONNECTION - ALL FIELD TILE ENCOUNTERED DURING CONSTRUCTION SHALL BE INCLUDED IN THE UNIT PRICE(S) FOR STORM SEWER TILE LINES. TRENCHES RUN BY THE TRENCH SHALL BE REPLACED WITH THE SAME MATERIAL AS THE STORM SEWER.
- ALL NEW ON-SITE SANITARY, STORM AND WATER UTILITIES SHALL BE PRIVATELY OWNED AND MAINTAINED BY THE PROPERTY OWNER.
- NOTIFY CITY PRIOR TO ANY UTILITY WORK IN THE RIGHT OF WAY AND ALL SANITARY SEWER CONNECTION.
- ALL WORK WITHIN THE PUBLIC RIGHT OF WAY REQUIRES A STREET OCCUPANCY PERMIT FROM THE CITY.
- THE PROPOSED STORM SEWER MANHOLE INSTALLATION WITHIN THE CITY RIGHT OF WAY REQUIRES FULL-TIME INSPECTION. ALL REQUIRED INSPECTION SHALL BE PAID FOR BY THE DEVELOPER.

LEGEND

⊙	SANITARY SEWER MANHOLE	— SAN —	SANITARY SEWER
⊕	STORM MANHOLE	— W —	WATER MAIN
⊕	CATCH BASIN ROUND	— ST —	STORM SEWER
⊕	CATCH BASIN SQUARE	— RD —	ROOF DRAIN
⊕	FIRE HYDRANT	— G —	UNDERGROUND GAS
⊕	WATER VALVE	— E —	UNDERGROUND ELECTRIC
⊕	GAS VALVE	— T —	UNDERGROUND TELEPHONE
⊕	LIGHT POLE	— FIB —	UNDERGROUND FIBER OPTICS
⊕	TELEPHONE PEDESTAL	— OH —	OVERHEAD UTILITY
⊕	ELECTRICAL MANHOLE	— SF —	SILT FENCE
⊕	SIGN	—	18" STANDARD CURB AND GUTTER
⊕	POWER POLE	—	18" HIGH SIDE CURB AND GUTTER
⊕	GUY WIRE	—	CONIFEROUS TREE
		—	DECIDUOUS TREE



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Architect: AMH Engineer: PSM Reviewed By: APM

Sheet Title:
SITE UTILITY PLAN

Sheet Number:
C-400

Project Number:
P13586

WISCONSIN PROFESSIONAL ENGINEER
 ANDREY P. MEYER
 647575
 WAUKESHA, WI
 2/2/2024

north
 SCALE IN FEET
 20' 0 20'

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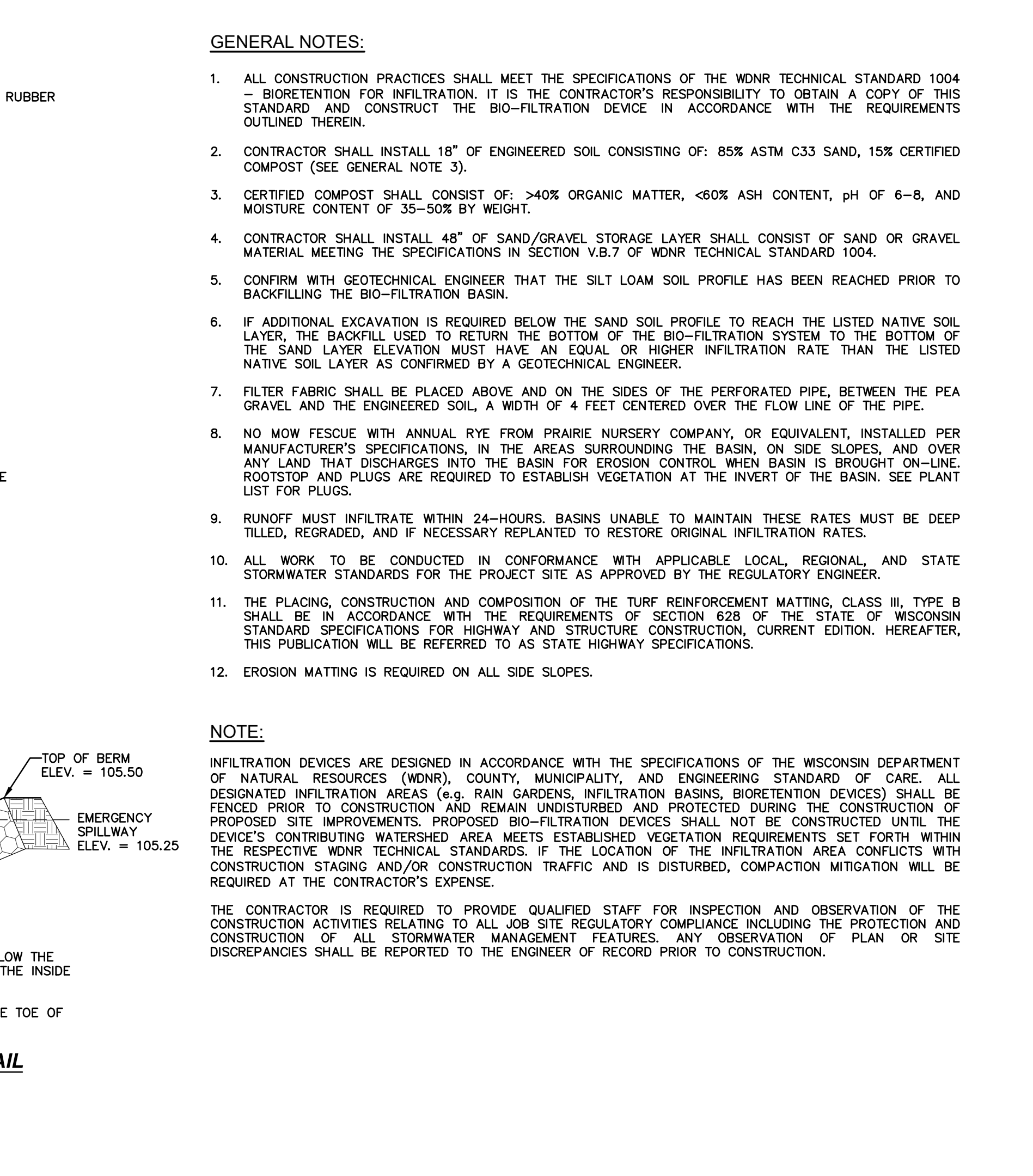
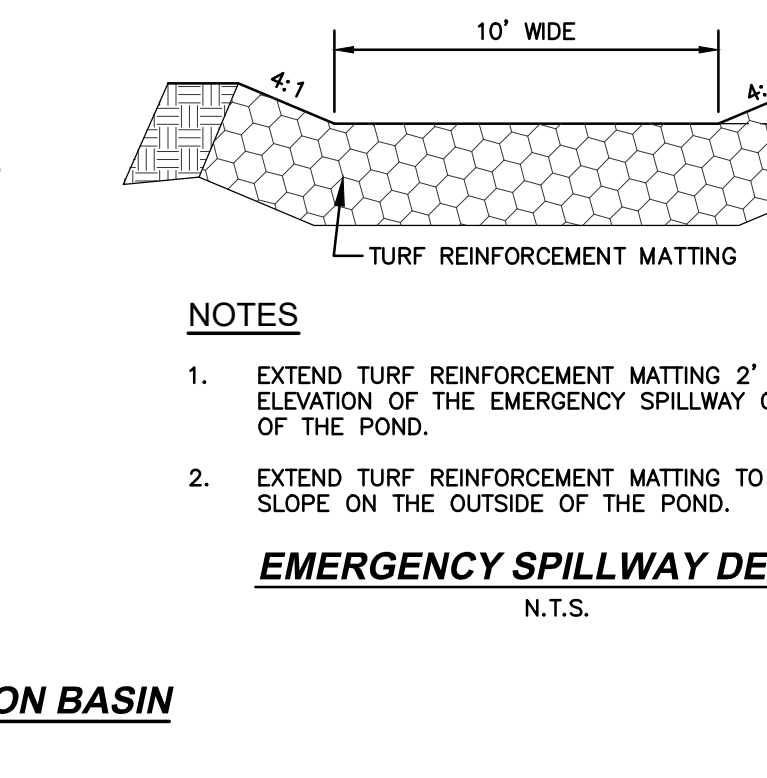
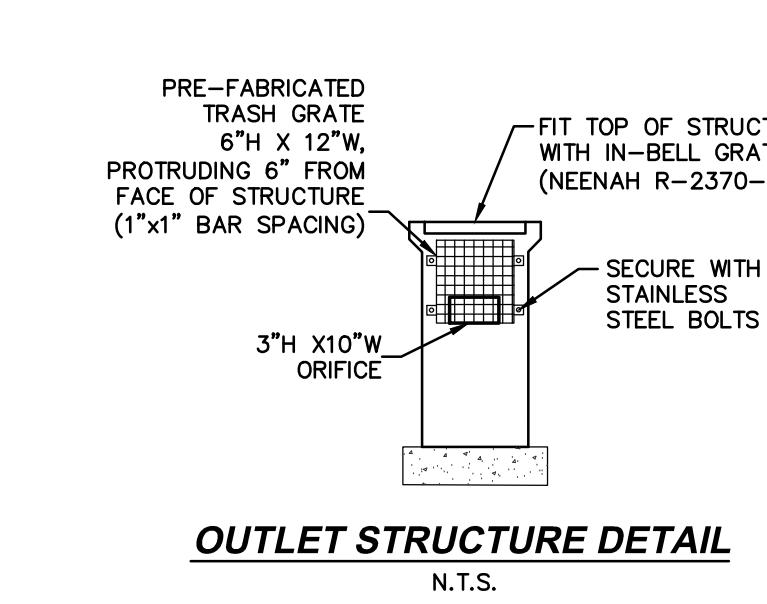
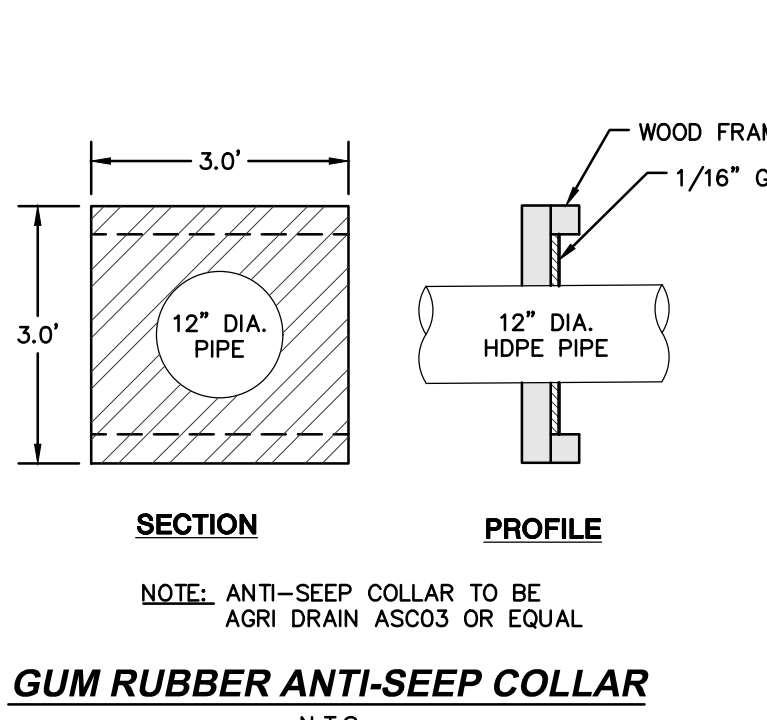
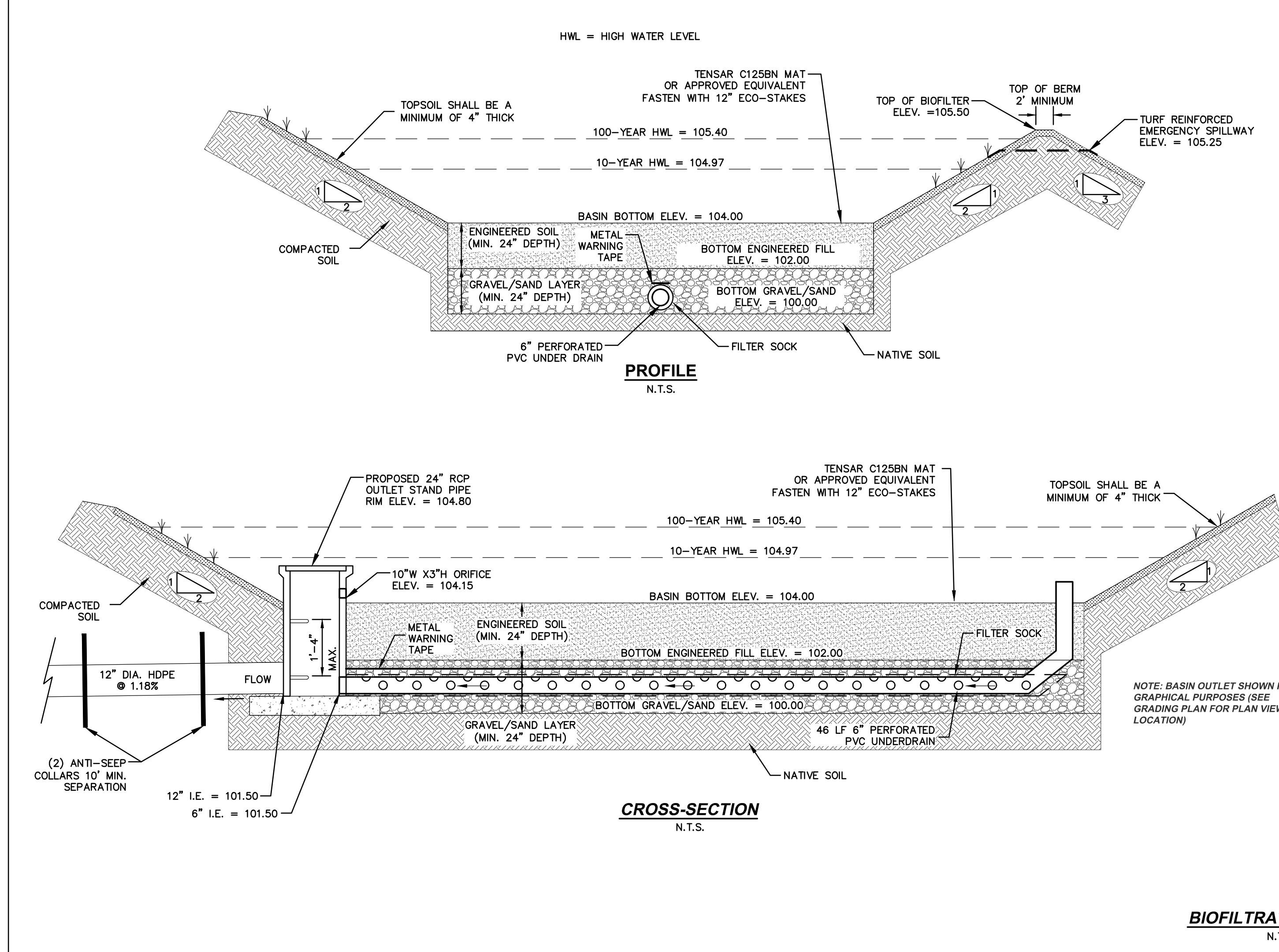
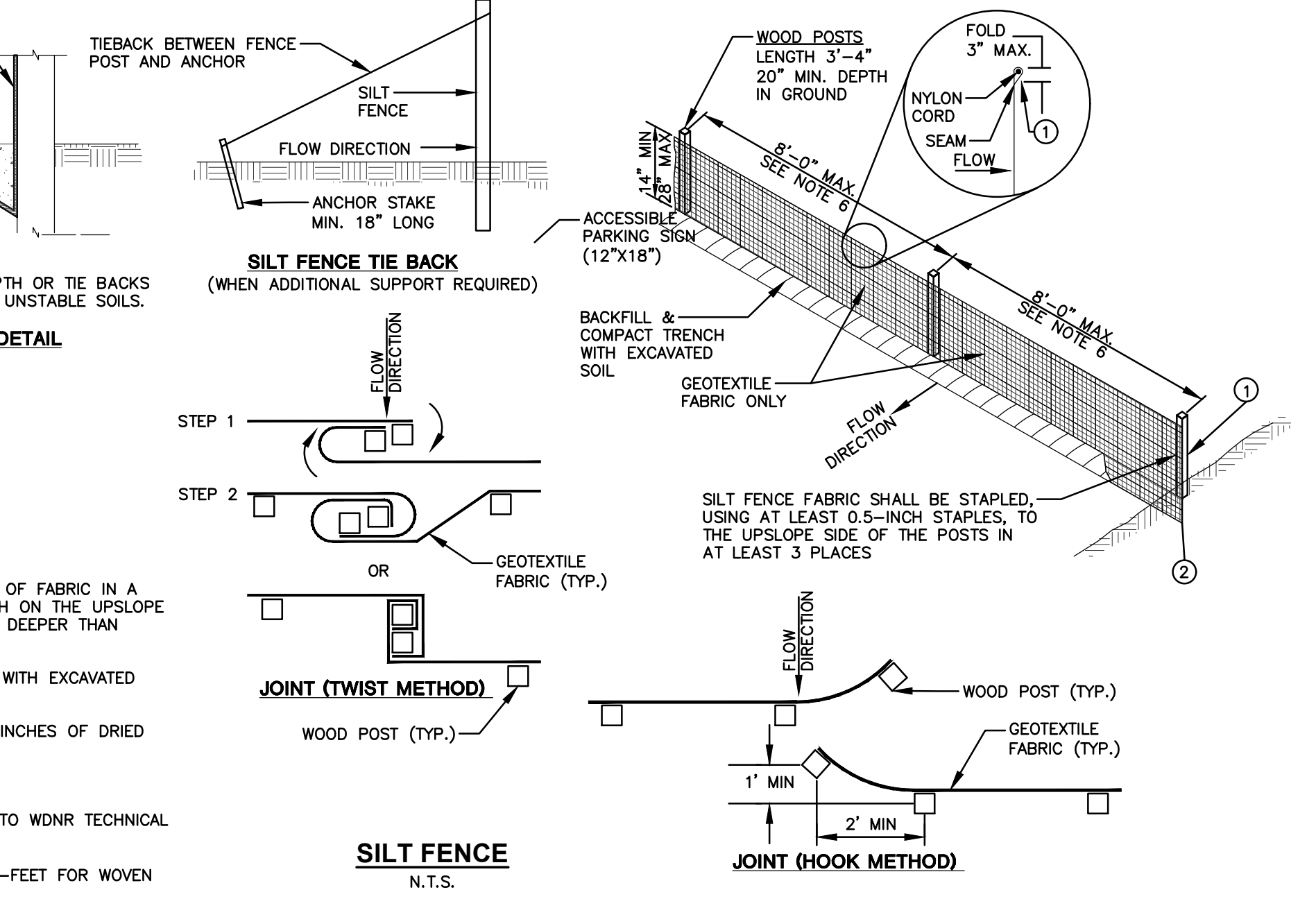
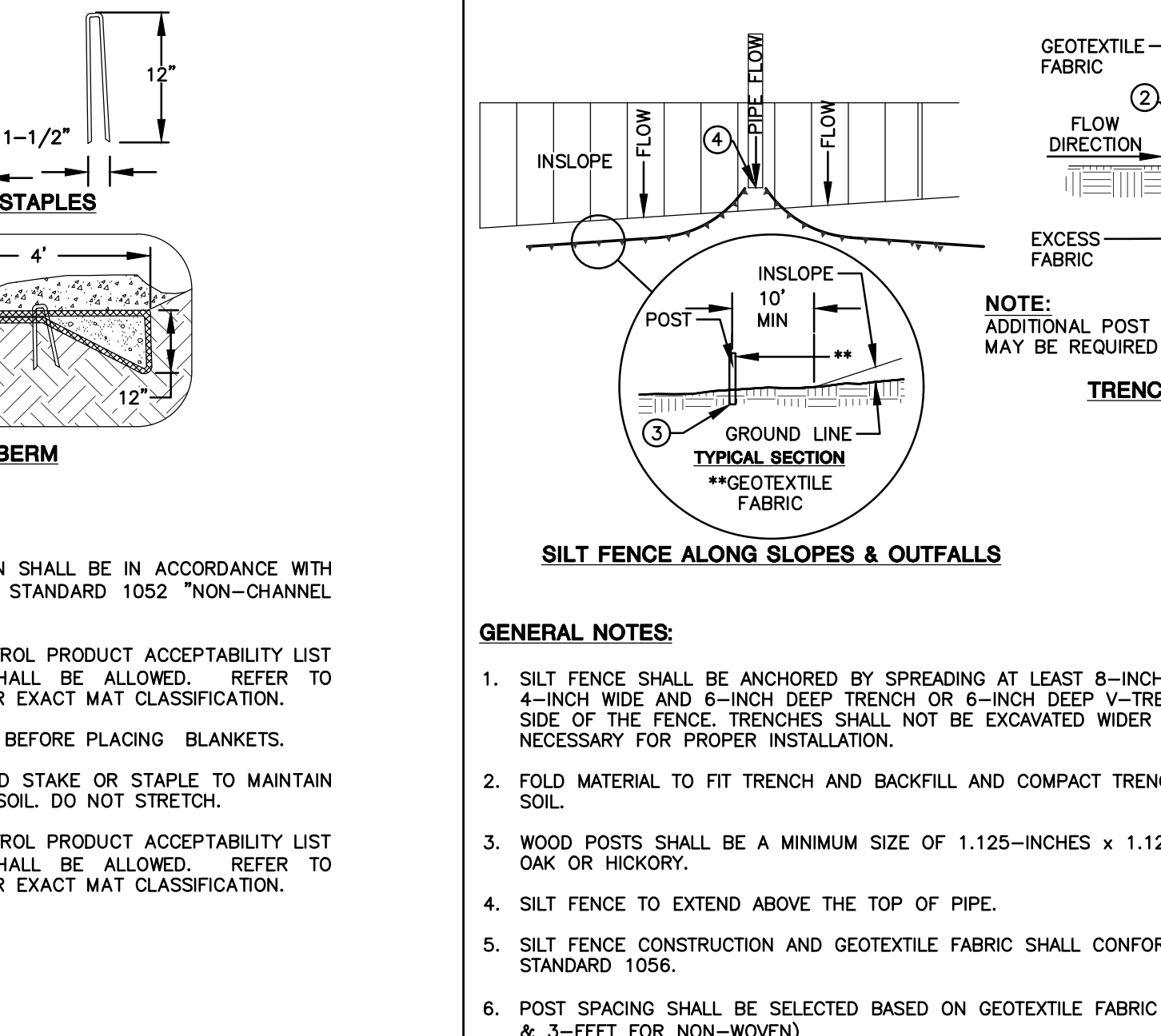
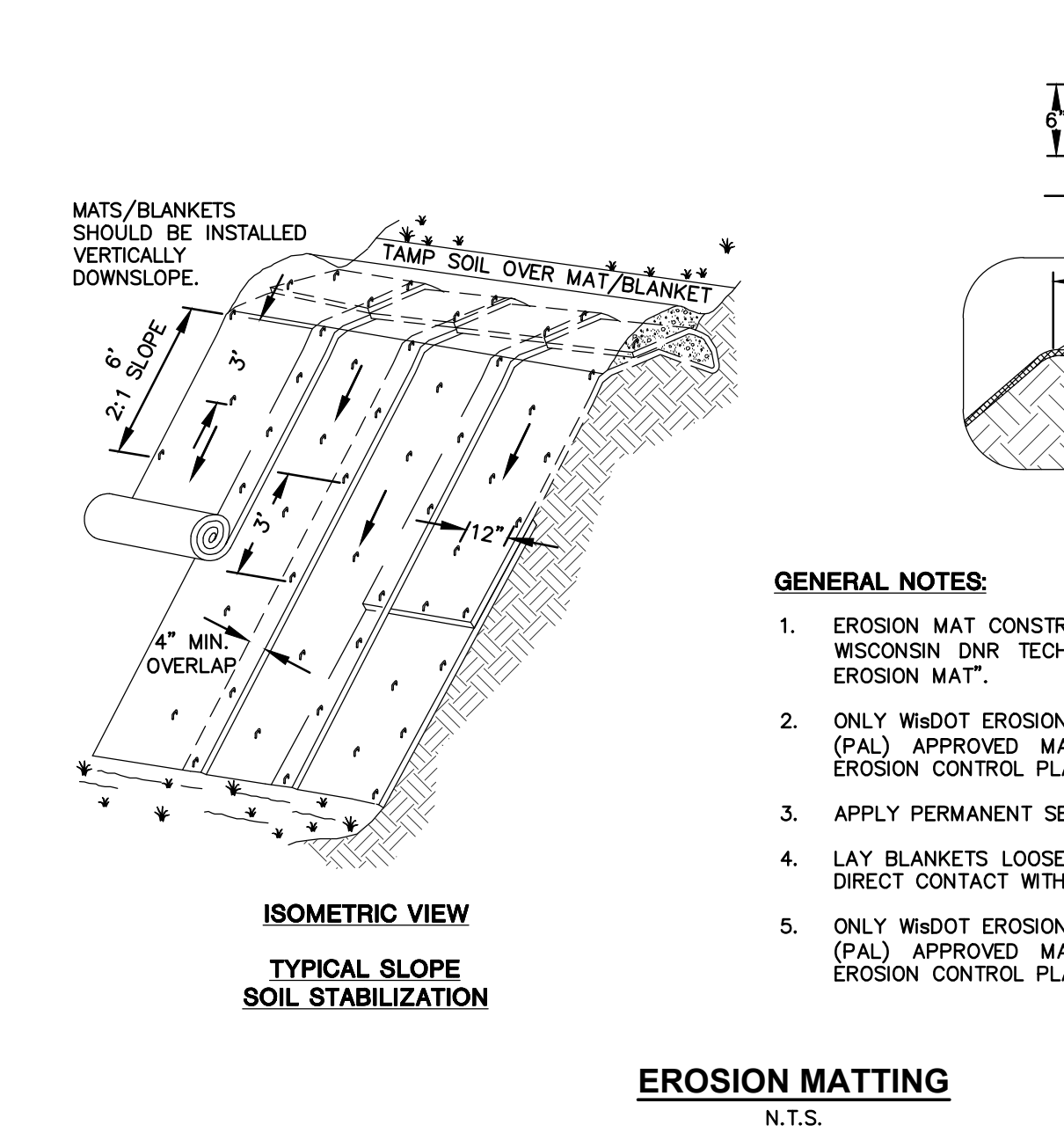
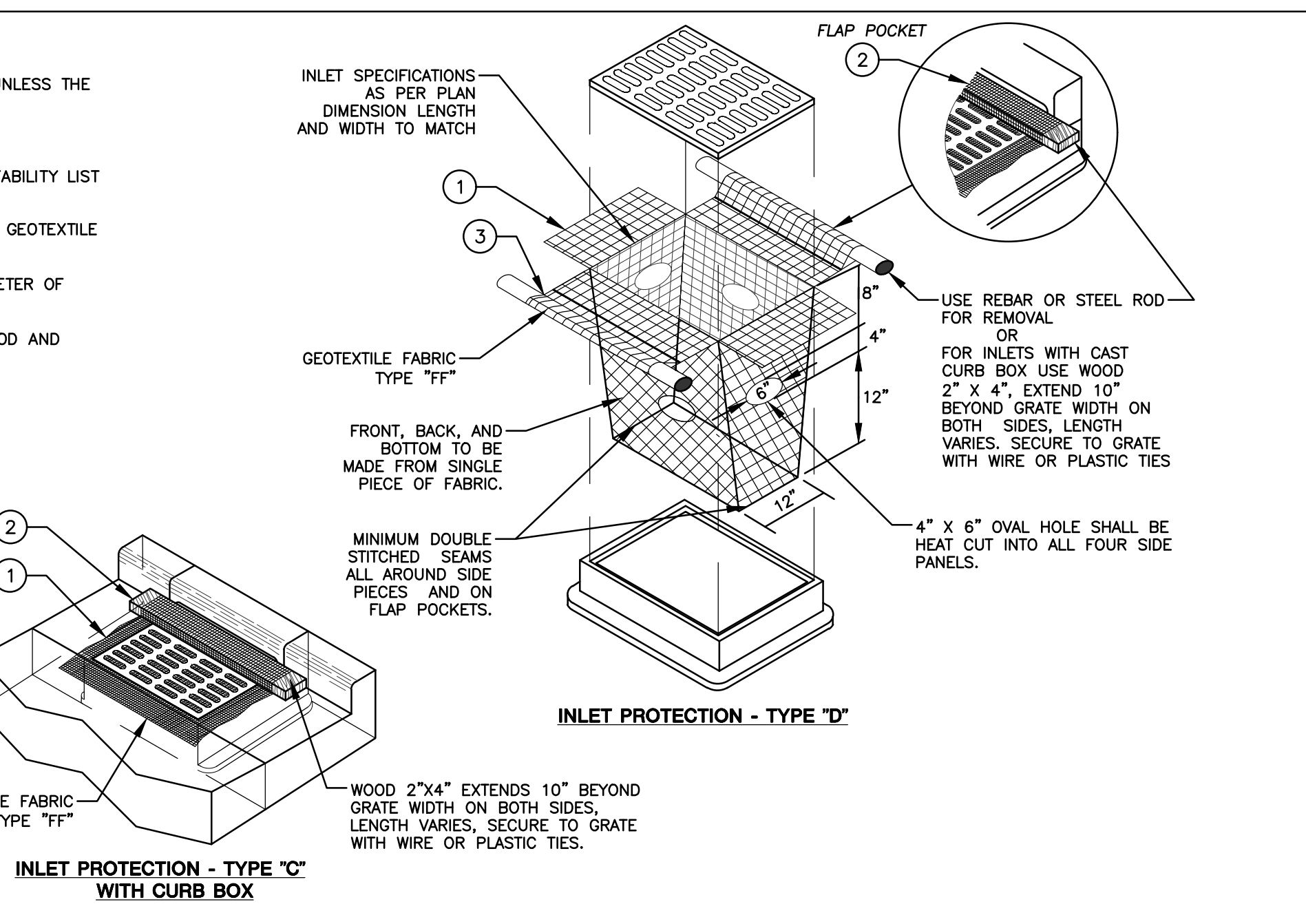
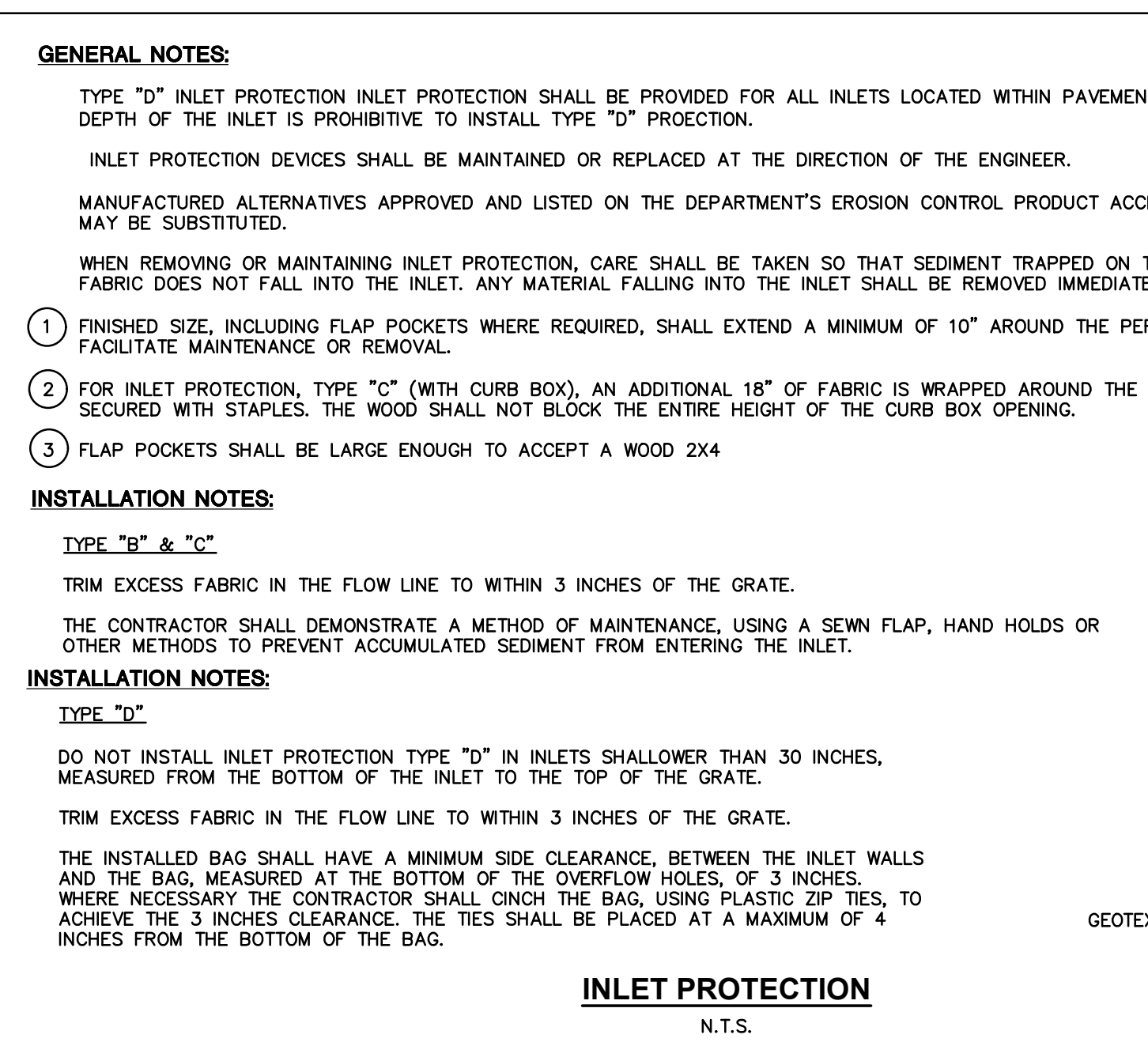
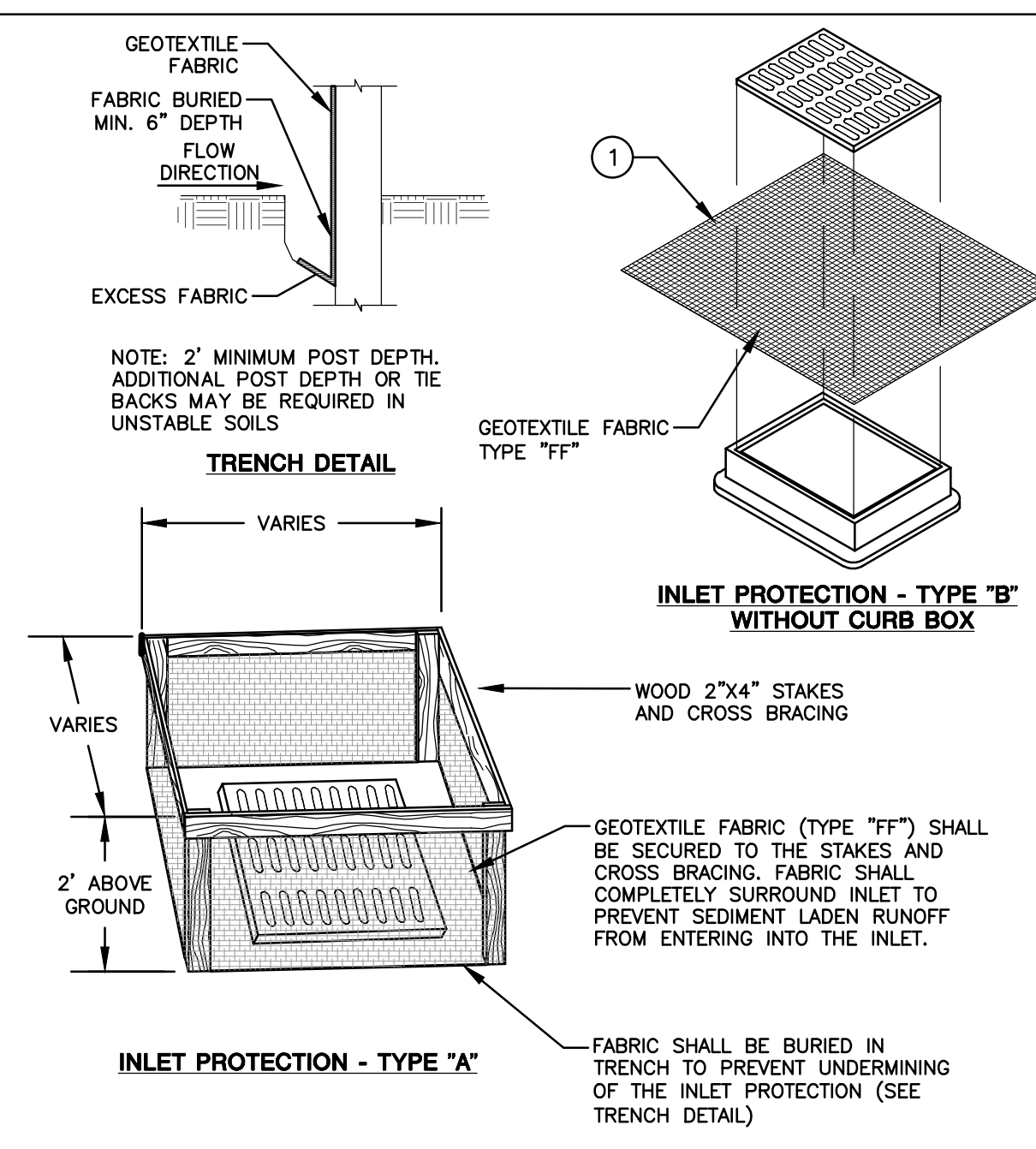
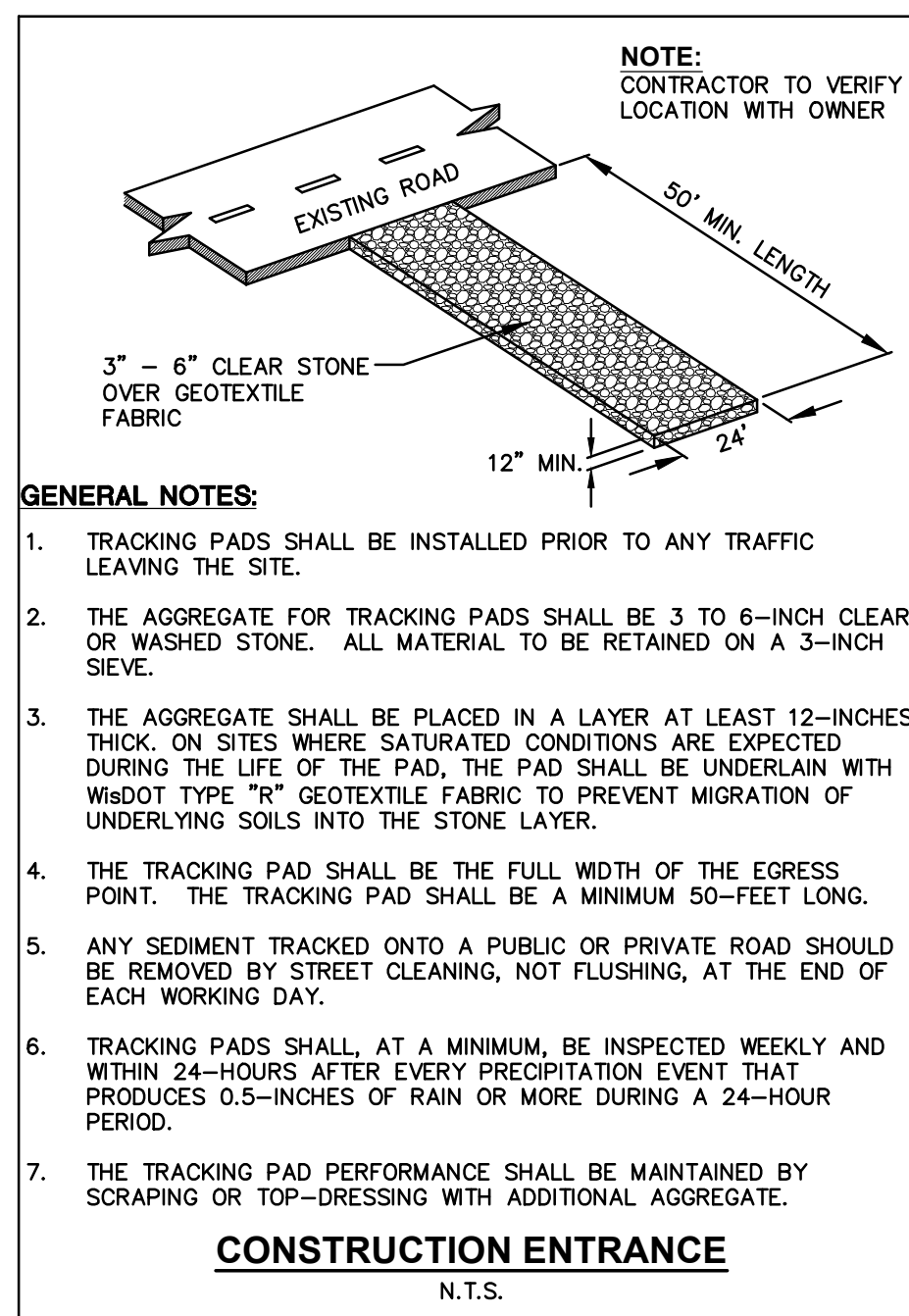
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 WAUKESHA, WISCONSIN 53188
 P. 262.513.0666
 JSD PROJ. NO.: 22-11640
 JSD PROJ. MGR.: APM

MANAGERS

ENGINEERS

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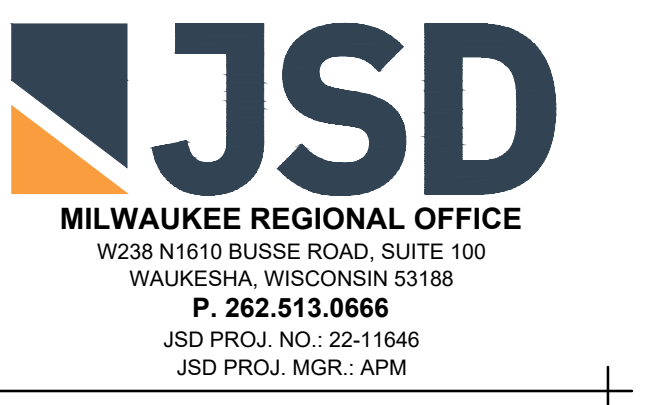
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Architect: AMH
Engineer: PSM
Reviewed By: APM
Sheet Title: DETAILS
Sheet Number: C-500
Project Number: P13586



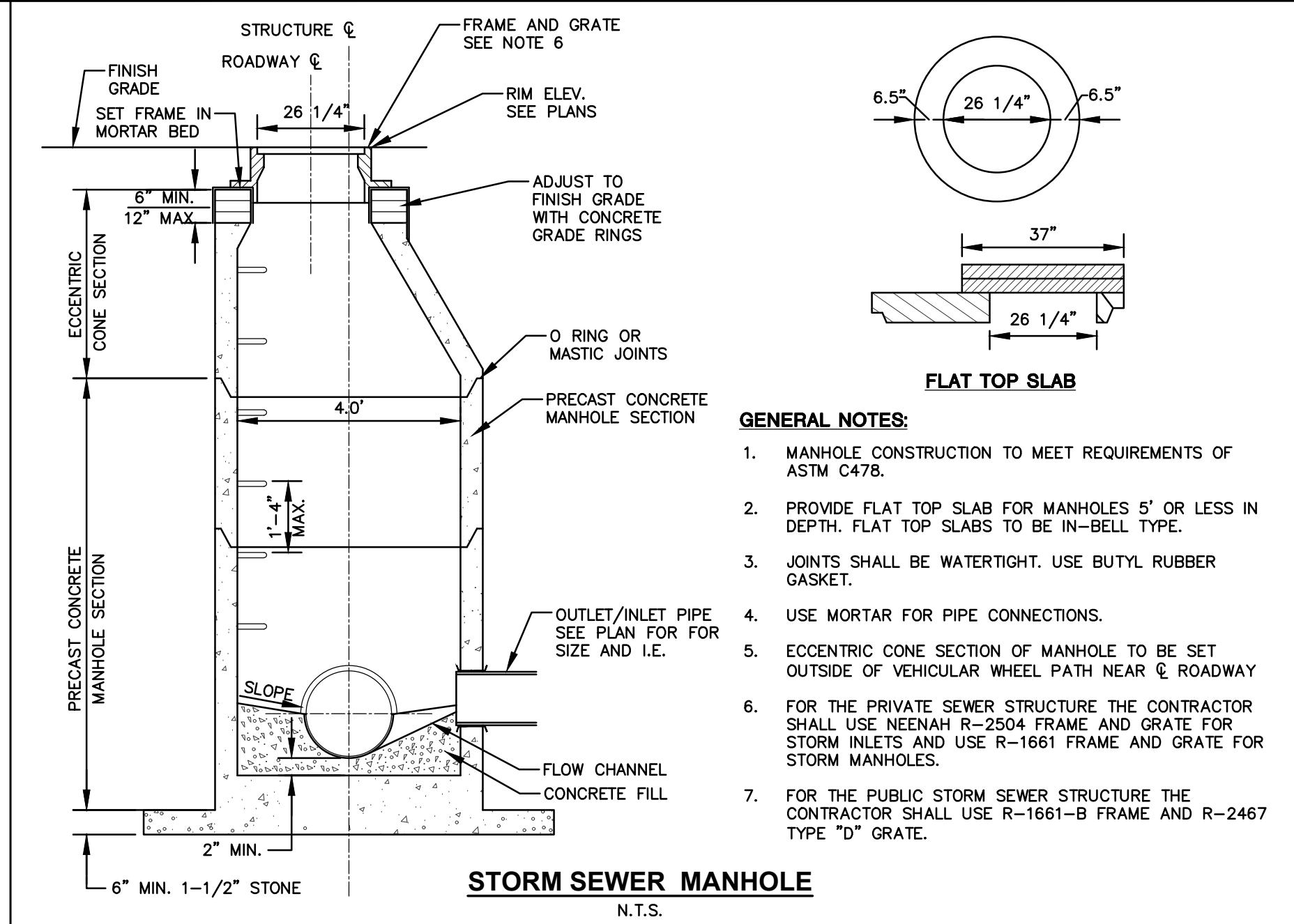
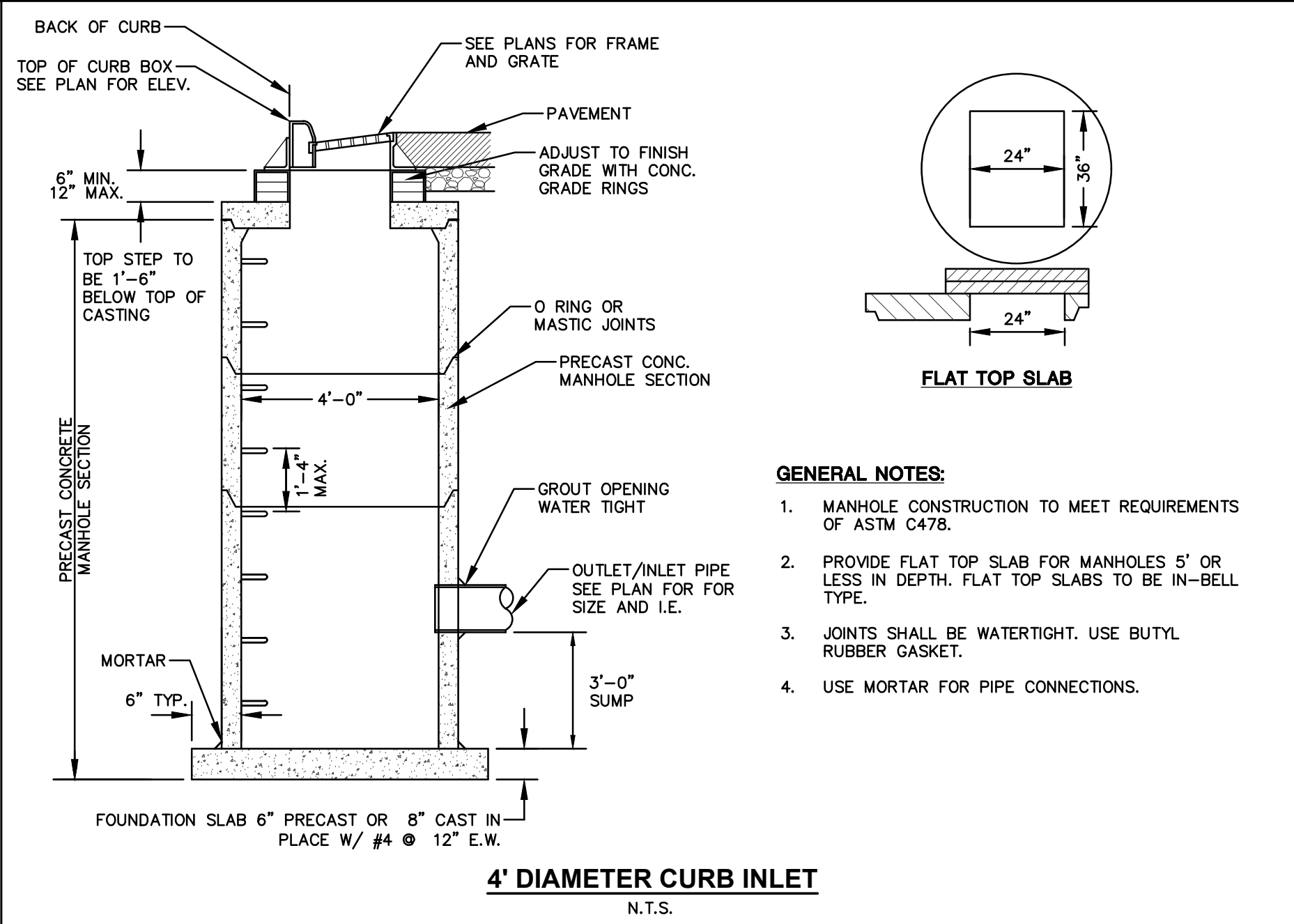
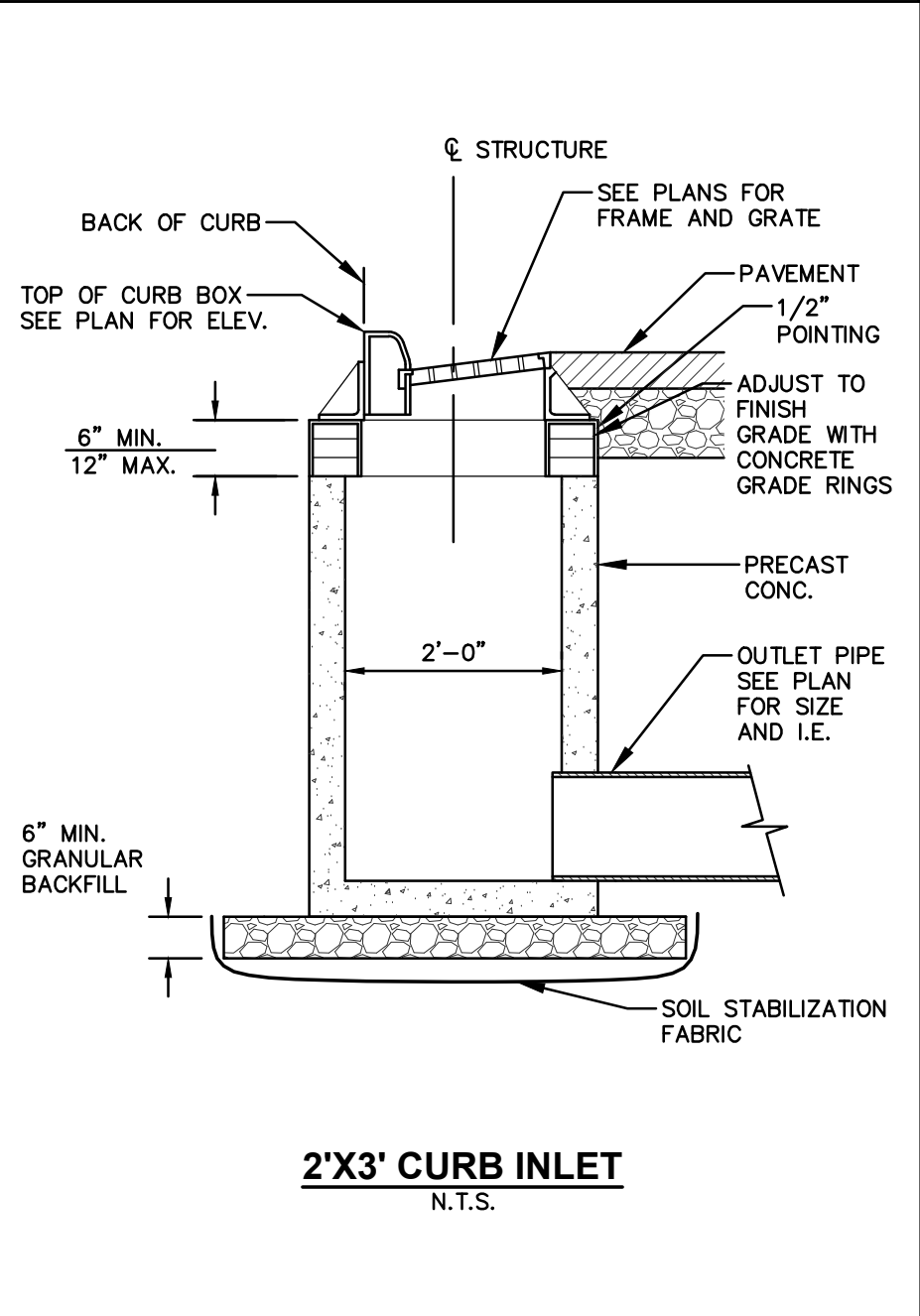
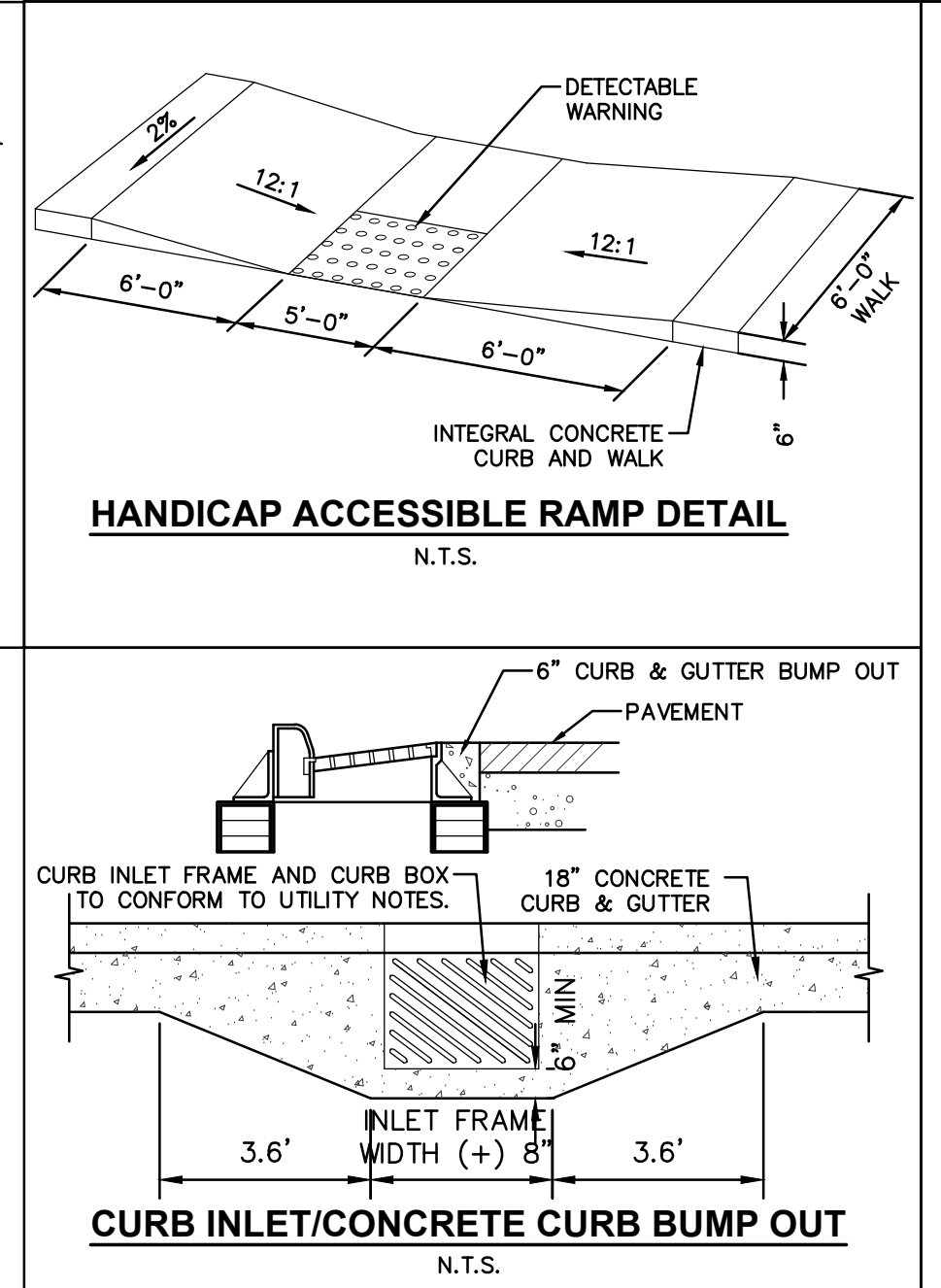
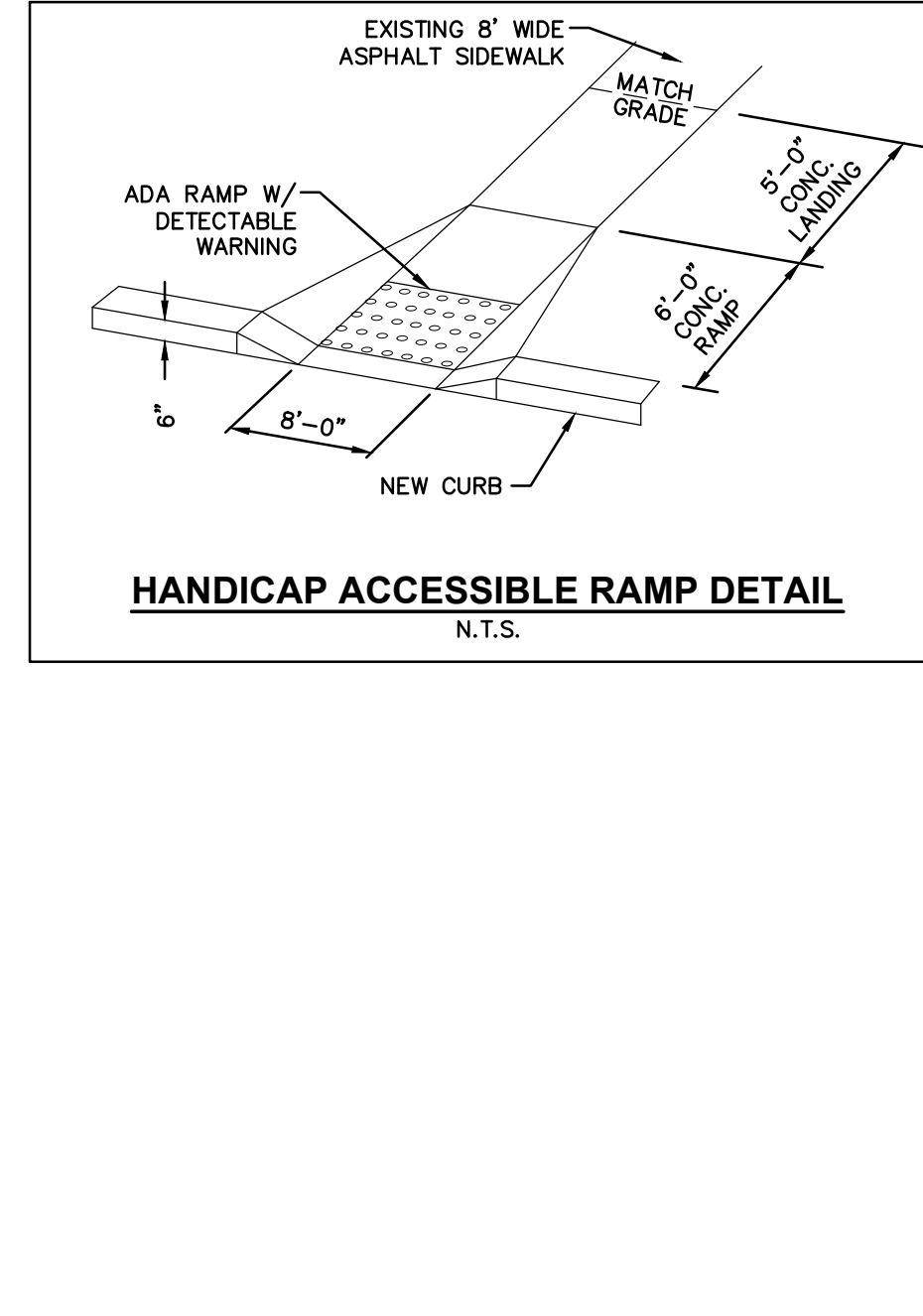
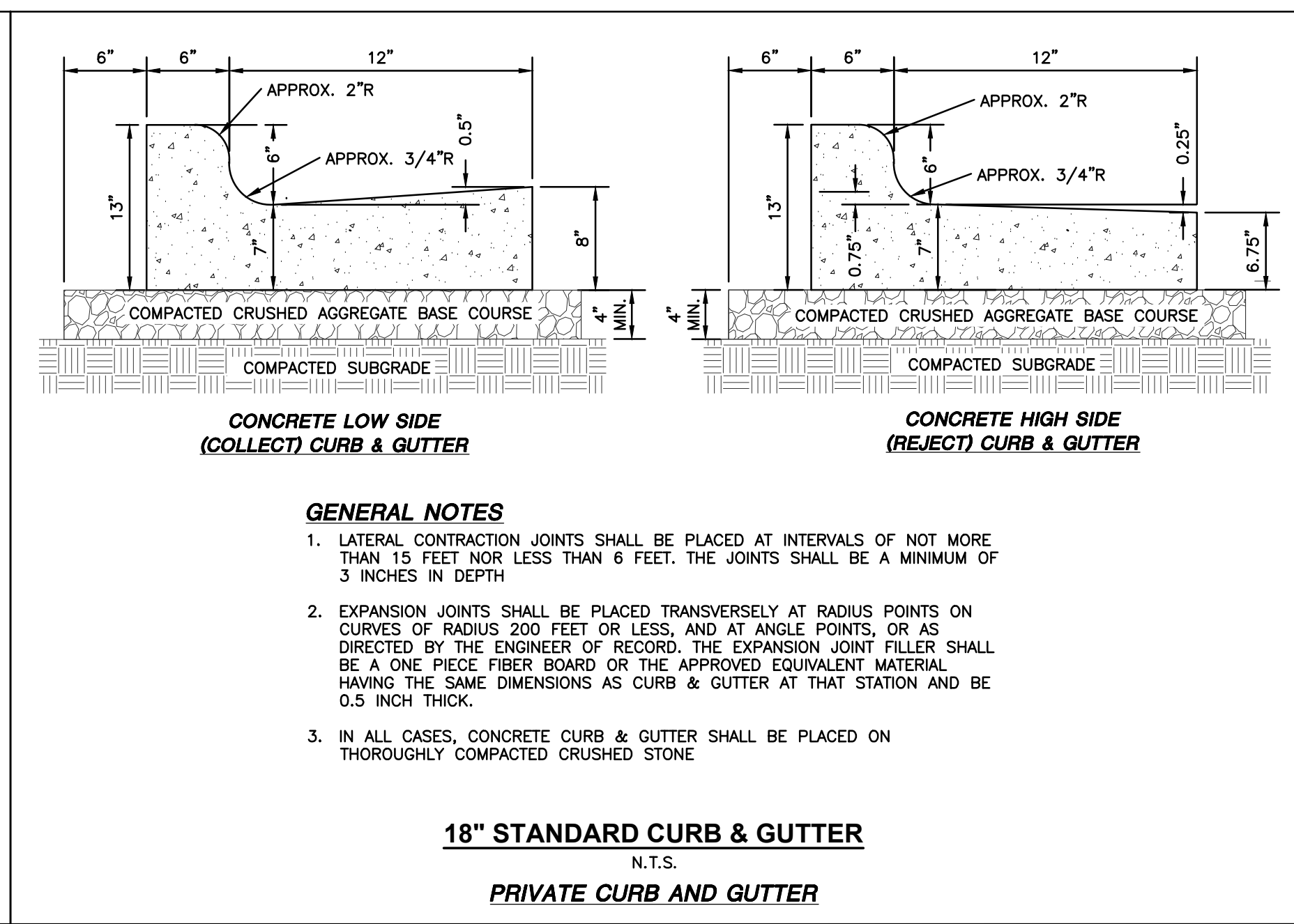
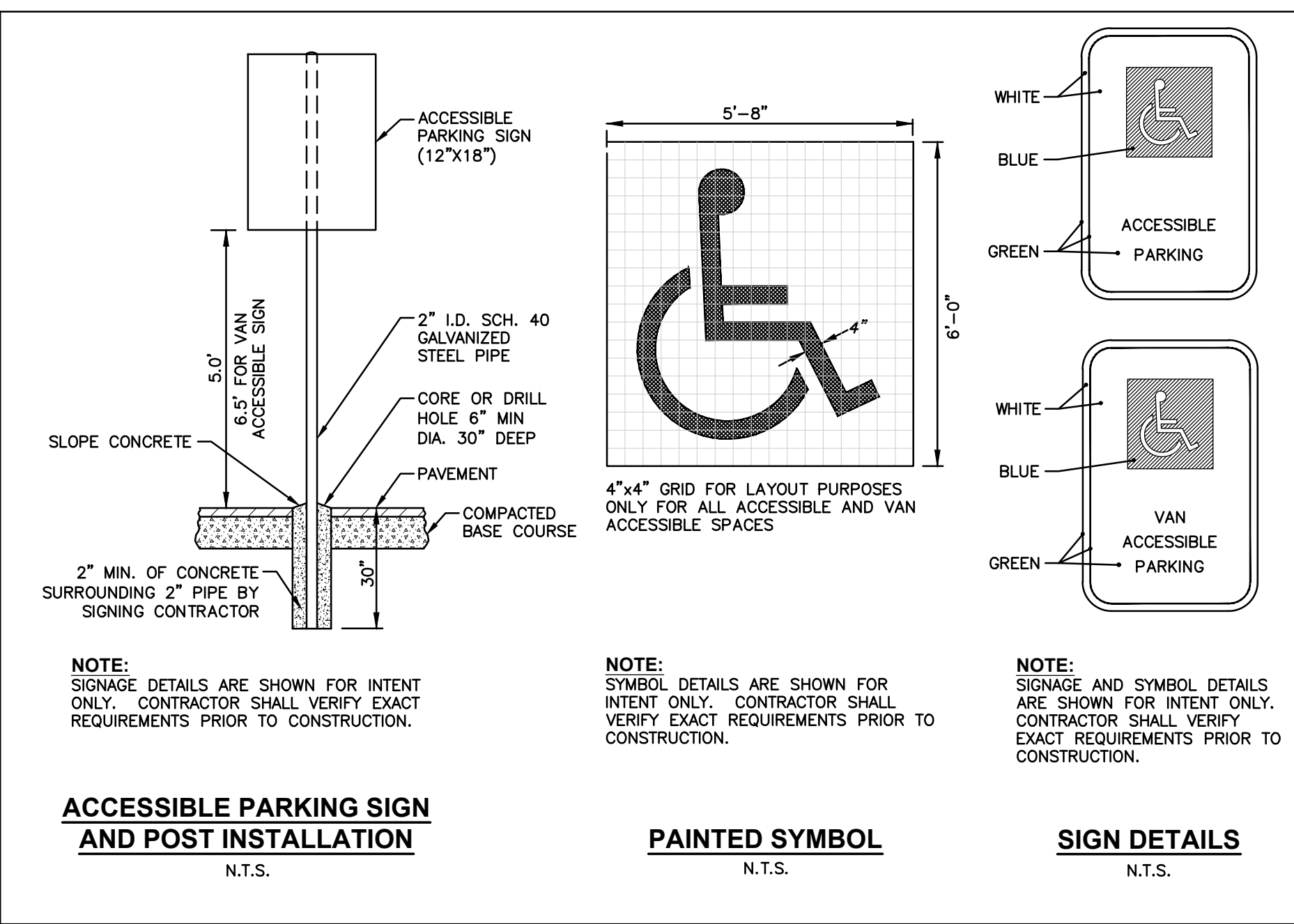
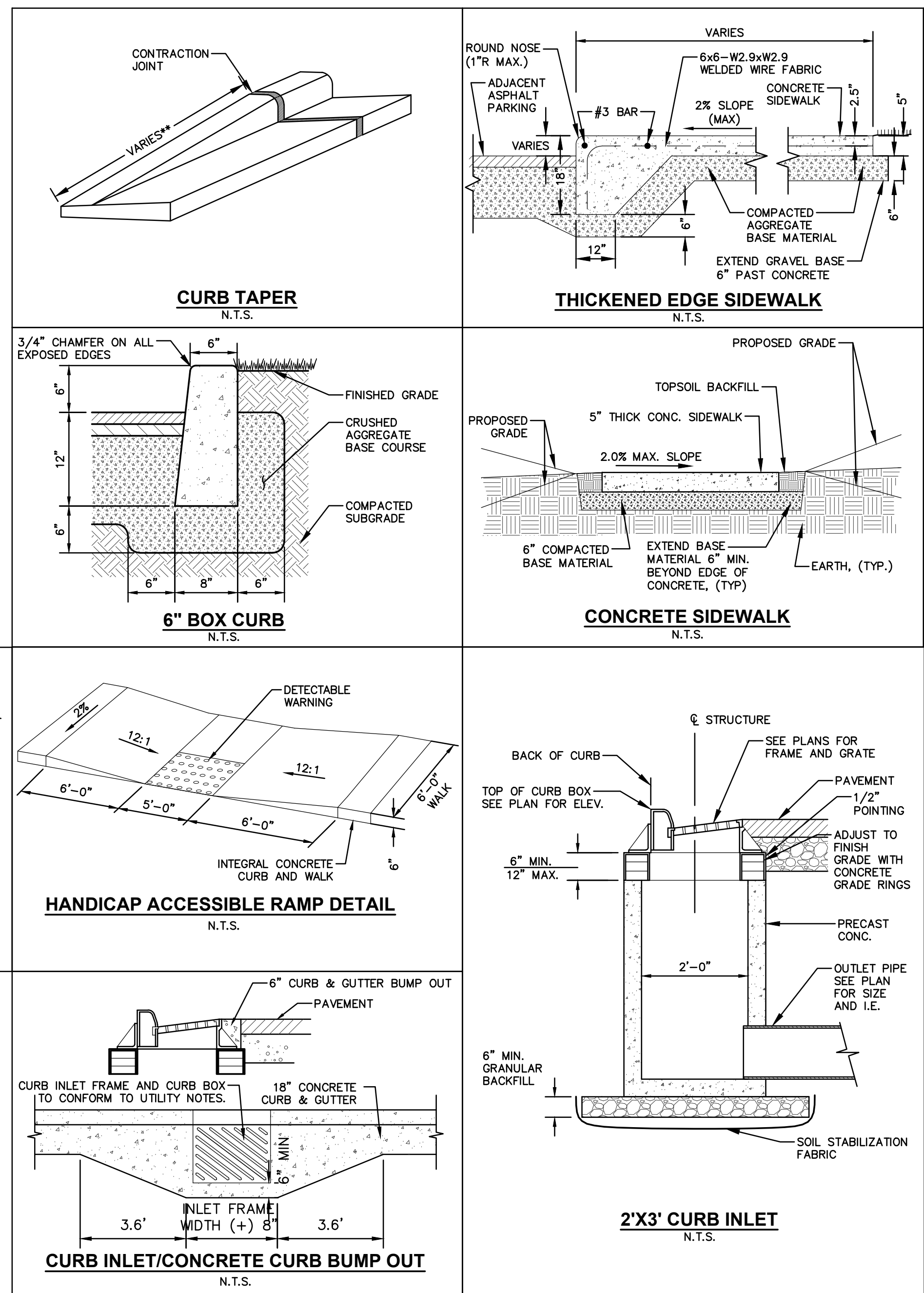
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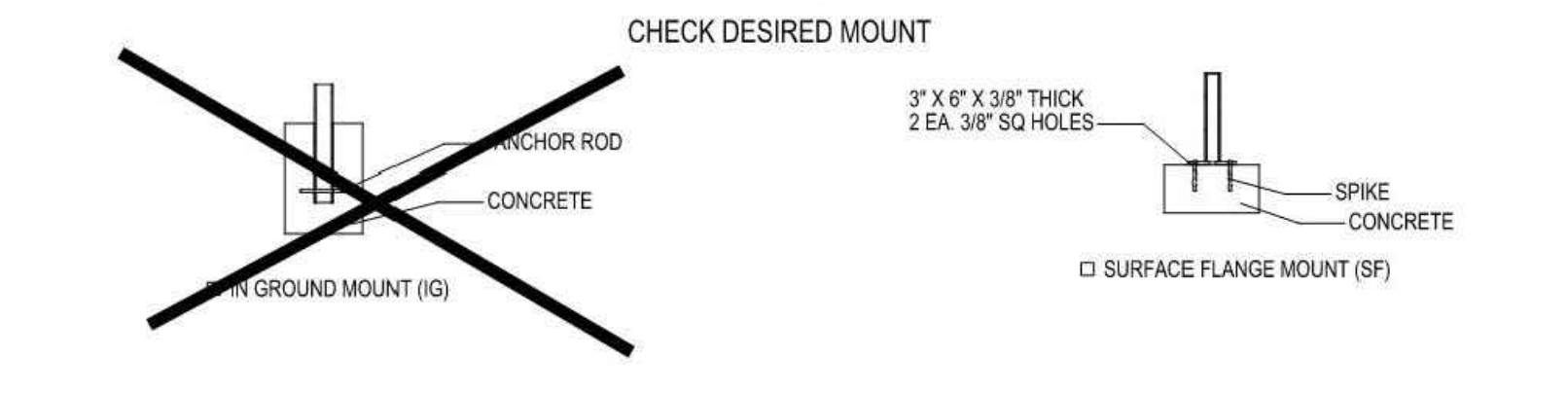
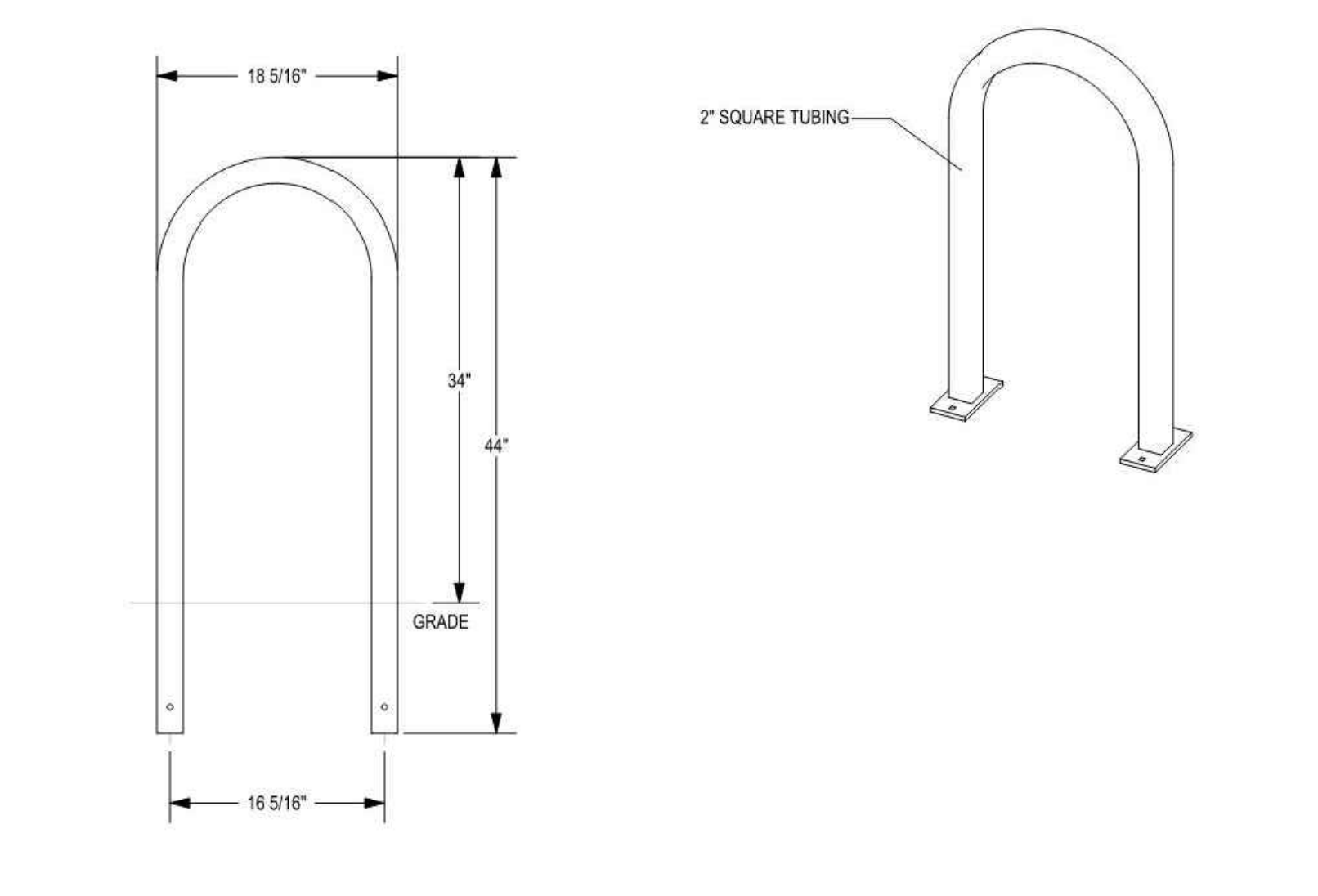
ENGINEERS

CONTRACTORS

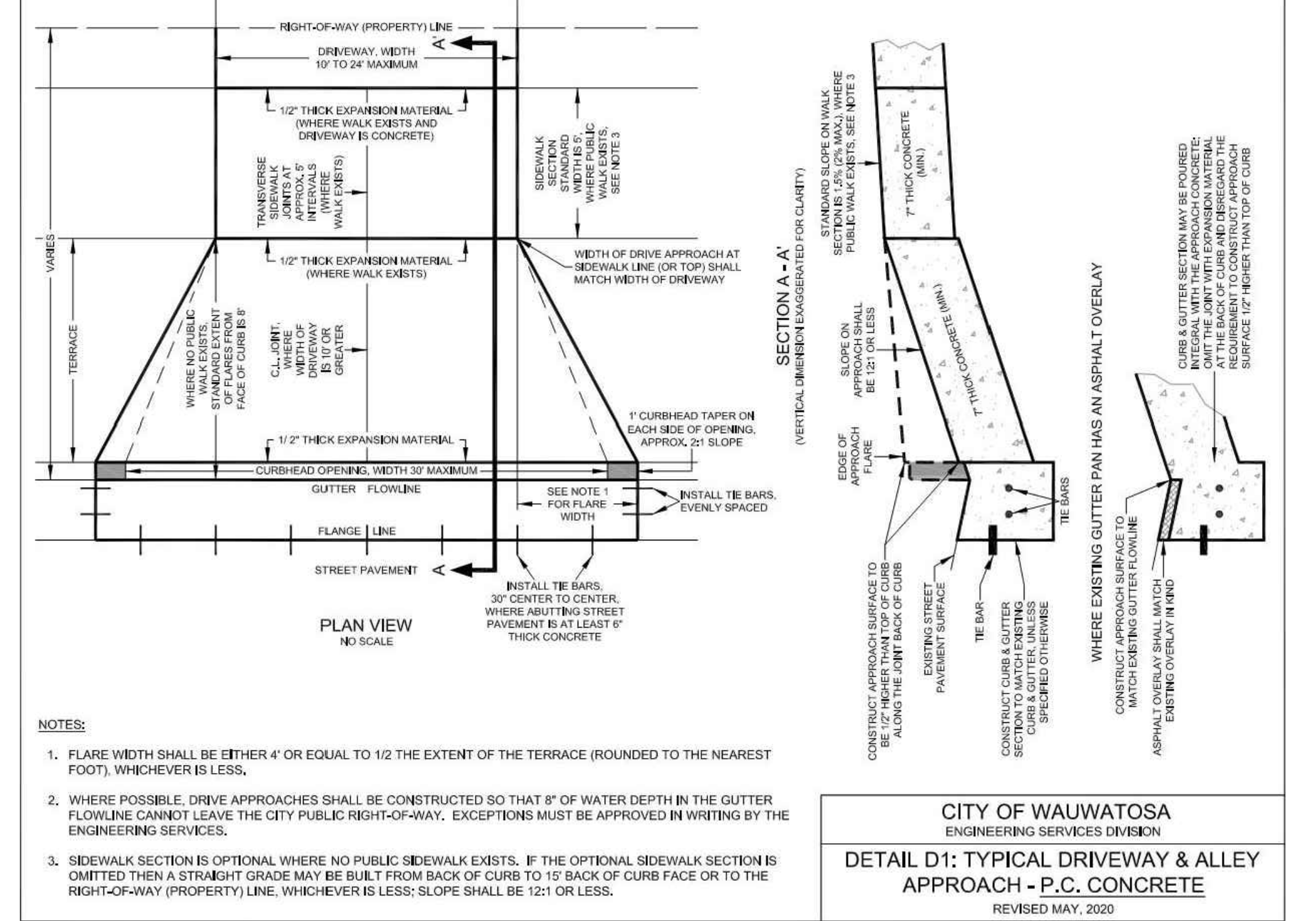
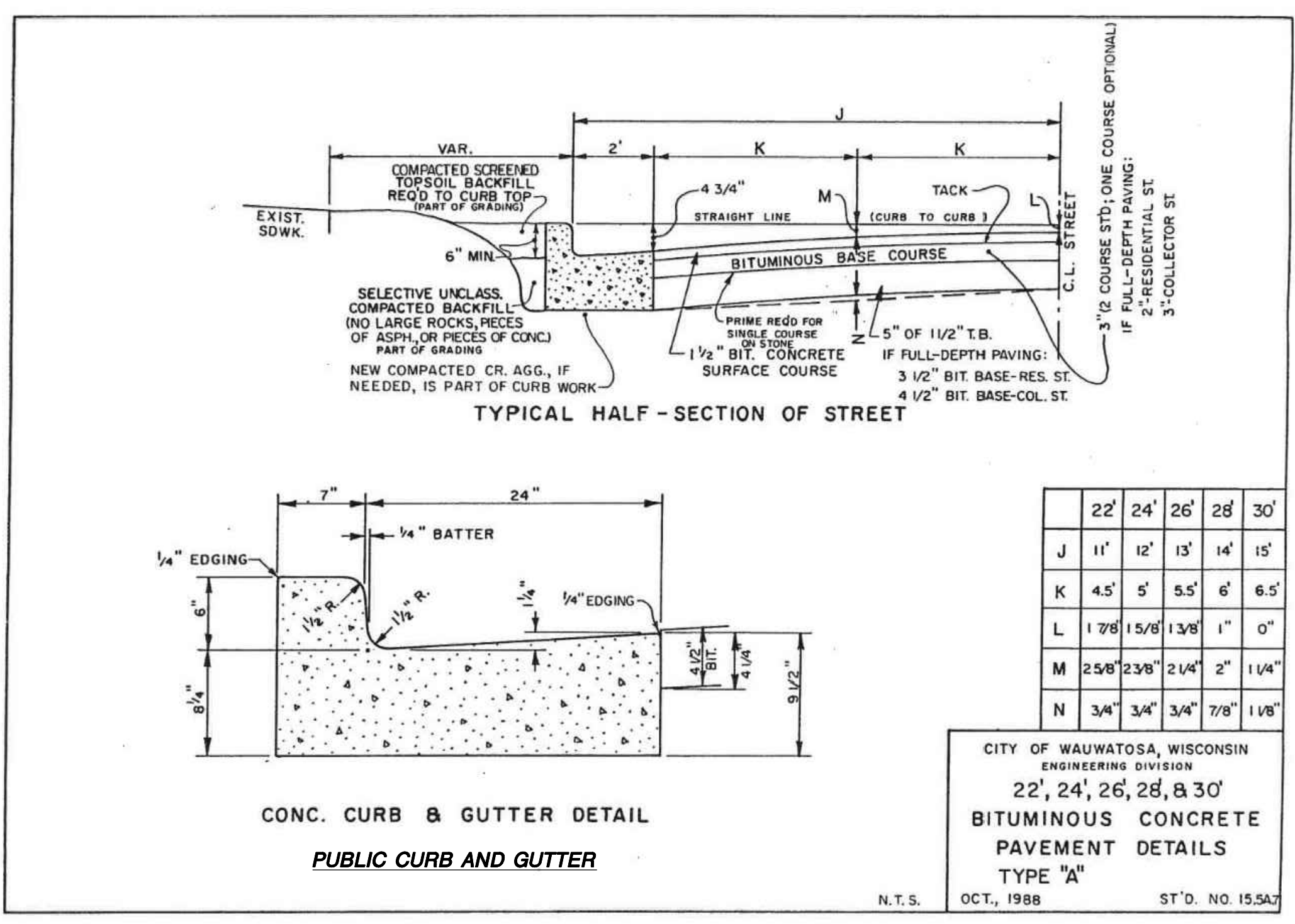
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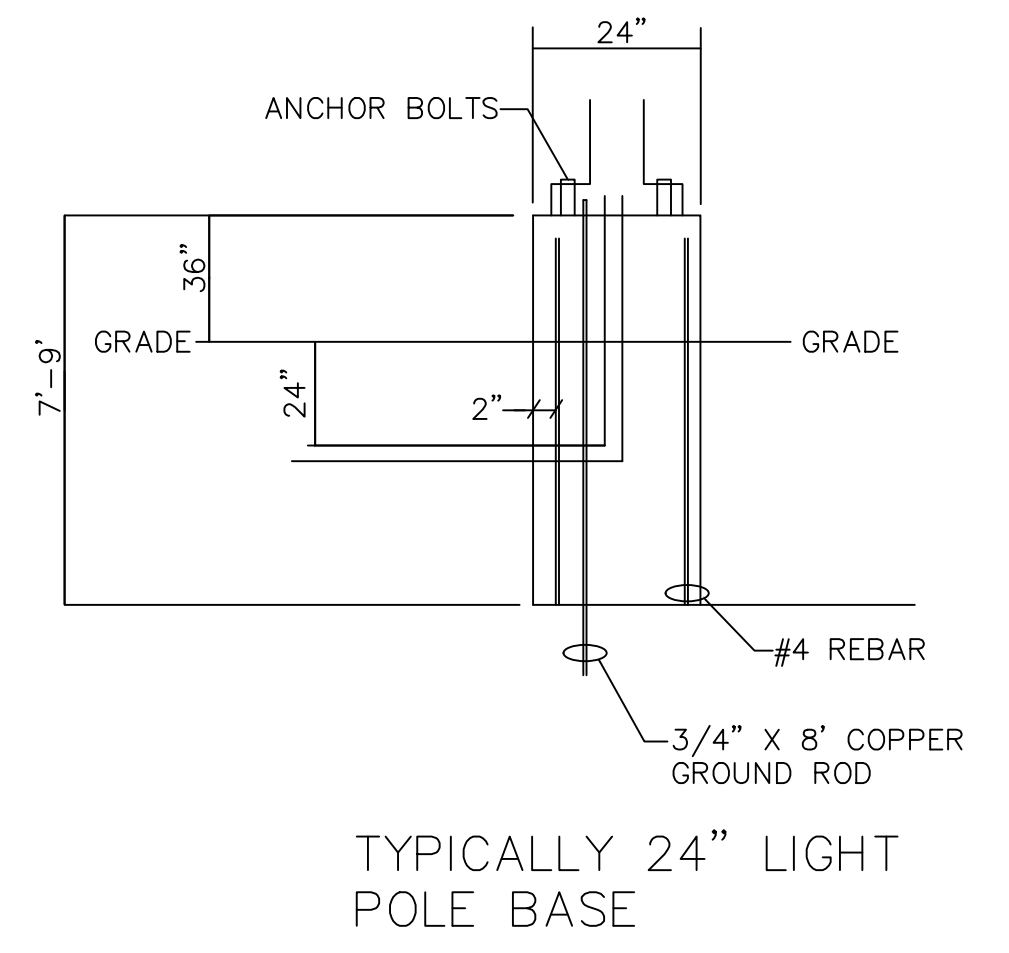
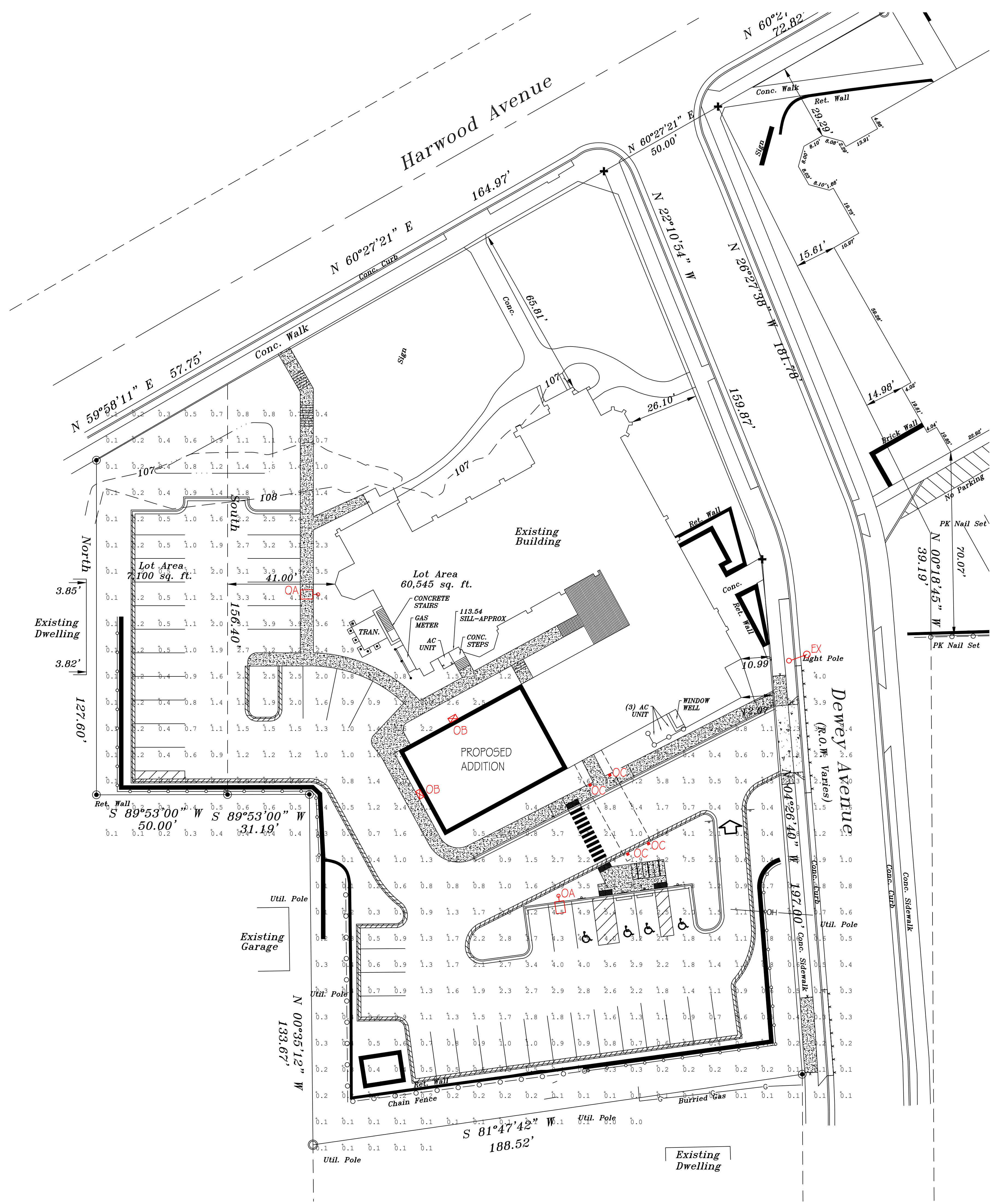
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REVISIONS SCHEDULE		
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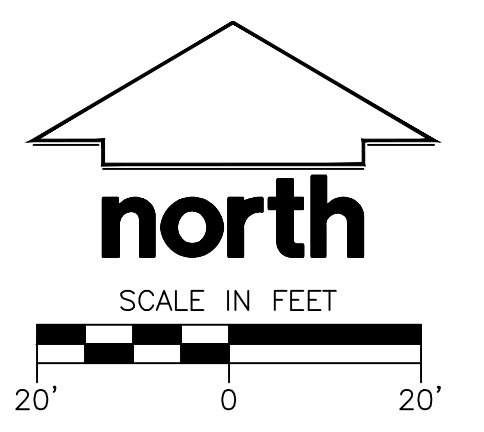
QTY	SYMBOL/TYPE	DESCRIPTION	MAKE	ST. JOHN'S WAUWATOSA LIGHTING FIXTURE SCHEDULE CATALOG NO.	QTY	LAMP DATA TYPE	CEILING TYPE	MOUNTING HEIGHT	VOLTAGE	SEE NOTE
2	OA	LED POLE LIGHT W/ 20' POLE ON A 3' TALL POLE BASE	LITHONIA	FIXTURE 1590 LED P7 4K 700 12W M1 5W 120V 1200 CI POLE 3SS 20' 40 DIMMS 1250	171W EACH LED			23'-0" POLE	UNV	1
2	OB	LED WALL PACK	LITHONIA	W022 LED P3 40K 700R 12M MVOLT P8W DOBND	32W EACH LED			12'-0" AFG	UNV	1
4	OC	LED WALL LIGHT	AMERLUX	D485 TA AV2 SY 30K 700M CLB W/ WBR04 CLB	38W LED			10'-0" AFG	UNV	
	EX	EXISTING STREET LIGHT								2

LIGHTING NOTES:
 1. MULTIPLE PARTS ARE NEEDED TO ASSEMBLE AS A COMPLETE FIXTURE. SEE INSTALLATION INSTRUCTIONS.
 2. EXISTING POLE LIGHT ADDED INTO CALCULATION FOR REPRESENTATION OF CONTRIBUTED LIGHT.

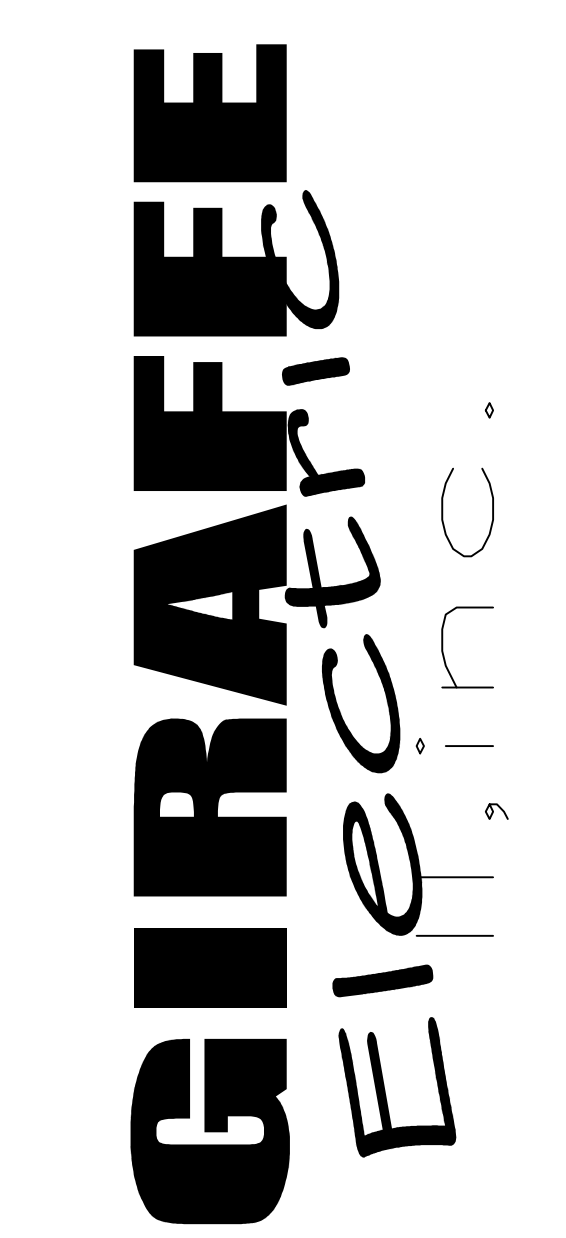
UNDERGROUND NOTES:
 - - - UNDERGROUND ELECTRICAL RACEWAY MIN. DEPTH OF 18" A.F.G.

Calculation Summary	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Label	Illuminance	Fc	1.31	9.4	0.0	N.A.	N.A.
Site							

DISCLAIMER: CALCULATIONS HAVE BEEN PERFORMED ACCORDING TO IESNA & CIE STANDARDS AND GOOD PRACTICE. SOME DIFFERENCES BETWEEN MEASURED VALUES AND CALCULATED RESULTS MAY OCCUR DUE TO TOLERANCES IN CALCULATION METHODS, TESTING PROCEDURES, COMPONENT PERFORMANCE, MEASUREMENT TECHNIQUES AND FIELD CONDITIONS SUCH AS VOLTAGE AND TEMPERATURE VARIATIONS. INPUT DATA USED TO GENERATE THE ATTACHED CALCULATIONS SUCH AS ROOM DIMENSIONS, REFLECTANCES, FURNITURE AND ARCHITECTURAL ELEMENTS SIGNIFICANTLY AFFECT THE LIGHTING CALCULATIONS. IF THE REAL ENVIRONMENT CONDITIONS DO NOT MATCH THE INPUT DATA, DIFFERENCES WILL OCCUR BETWEEN MEASURED VALUES AND CALCULATED VALUES.



1 SITE PHOTOMETRIC PLAN
 1" = 20'-0"



GIRAFFE ELECTRIC II, INC.
 2025 S. WEST AVENUE
 WAUKESHA, WI
 53189
 262-549-6500
 FAX 262-549-6503

PROJECT ADDRESS:
 ST. JOHN'S EV. LUTHERAN CHURCH
 7809 HARWOOD AVE.
 WAUWATOSA, W 53213

DATE: 6/5/23
 DRAWN BY: JDG
 REVISIONS:
 DATE:
 SHEET NUMBER:
 E-5-0
 SHEET TITLE:
 SITE LIGHTING PHOTOMETRICS PLAN
 PROJECT NUMBER:
 SCALE:
 1" = 20'-0"



FEATURES & SPECIFICATIONS

INTENDED USE - These specifications are for USA standard only. Square Straight Steel is a general purpose light pole for up to 19-foot mounting heights. This pole provides a robust yet cost effective option for mounting area lights and floodlights.

CONSTRUCTION - Pole shaft: The pole shaft is of uniform diameter and wall thickness and is made of a weldable, hot-rolled, commercial-quality steel tubing with a minimum yield of 50 KSI (11 GPa), or 50K (17,000 PSI), 17.75" shaft size pole with a 1.5" wall thickness. High frequency electric resistance weld, laterally square cross-section with flat sides, small corner radii and excellent torsional qualities. Available with walls are 4", 5", and 6". Pole top options include: "Flaring", self-flaring non-flaring, cones with flaring (includes overhangs) and open top. Side drilled and open top poles include a removable top cap.

Hardware: A reinforced hardware with protruding provision is provided at 18" from the base on side A. Positioning the hardware base may not be possible and requires engineering review. Consult Tech Support-Outside for further information. Every hardware includes a cover and an attached hardware. The hardware has a minimum diameter of 1.5" x 1".

Base Cover: A durable 402-gauge zinc-plated base cover, finished to match the pole, is provided with each pole assembly. Additional base cover options are available upon request.

Anchor Base/Bolt: Anchor base is fabricated from steel that meets ASTM A36 standards and can be altered to match existing foundations, consult factory for modifications. Anchor bolts are manufactured to ASTM F1554 Standards, grade 36, 55 KSI minimum yield strength and tensile strength of 75-95 KSI, top threaded portion (minimum 17") is 40-42 dip-galvanized per ASTM A153.

HARDWARE - All structural fasteners are high-strength galvanized carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

FINISH - Extra durable painted finish is available with UV (highly reflective) reflective powder that meets 14 and 59 classifications of ASTM D3359. Powder coat finishes include Dark Bronze, White, Black, and Natural Aluminum colors. Architectural Coatings and Special Finishes are available in quartz and acrylic, but are not intended to be used over the dip-galvanized. All Colors, Coatings, and Special Finishes require pre-approval.

BUY AMERICAN ACT - Product with the BAA option is assembled in the USA and meets the Buy American Investment procurement requirements under FAR, 48 CFR and DOT regulations. Please refer to www.buyusa.gov for additional information.

INSTALLATION - Do not erect poles without having fixtures installed. Factory supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates. Poles are checked outside. All protective wrapping must be removed immediately upon delivery to prevent frost damage. Lithonia Lighting is not responsible for the installation design.

WARRANTY - 1 year limited warranty. This is the only warranty provided and no other statements in this specification sheet constitute a warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.lithonia.com/support/customer-service-and-warranty

NOTE: Actual performance may differ as a result of end-use environment and application. Specifications subject to change without notice.

Table with columns: Catalog Number, Name, Type

Anchor Base Poles

SSS

SQUARE STRAIGHT STEEL

BAA

Anchor Base Poles

Anchor Base Poles

Anchor Base Poles

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D480 Series LED Luminaire

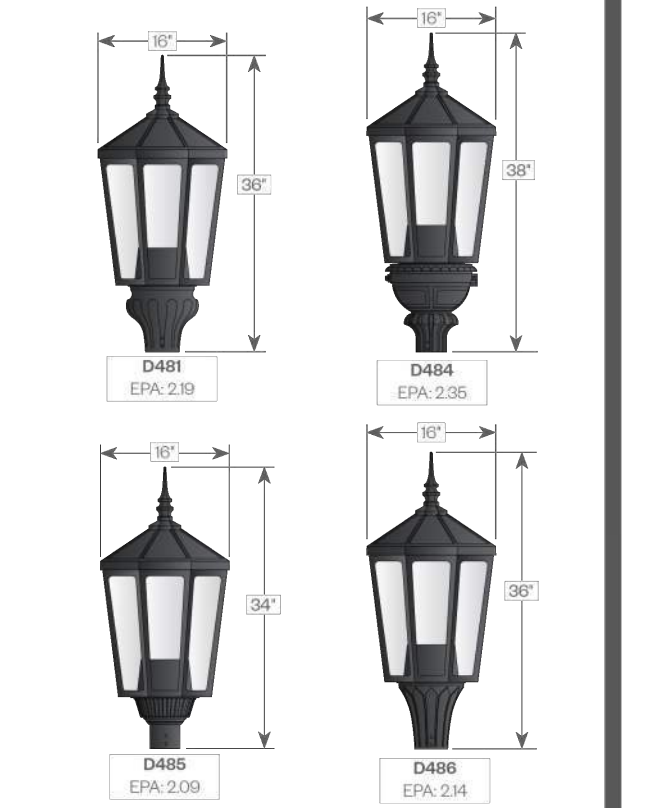


Features: The D480 Series is a large scale traditionally styled eight sided cast aluminum spired lantern. Powered by the Amerlux patented AVISTAR™ LED system with options for intensity, distribution and color. Optional controls available.

Product Overview: Wattage: 27W, 38W, 68W; Lumen Output: 7533 lm (200M, 400K); Color Temp: 2700K, 3000K, 4000K; Dimming: 0-10V dimming.



PROJECT: TYPE:



Installation: The luminaire will mount to a 3" OD post or tenon with 1/8" black oxide coated stainless steel set screws to ensure a solid connection. The diffuser will be held to the finial by (4) 5/16" 18 black oxide coated stainless steel set screws. Power Level: 500mA (27W) (500M); 700mA (38W) (700M); 1200mA (68W) (1200M); L70: 70,000+ hrs. Finish: Durable thermoset polyester powdercoat finish in the following: Satin Black (BLK); Classic Bronze (CLB); Gloss Textured Bronze (GBZ); Green (GRN); Gloss Textured Black (GTB); Textured Black (TBK); Gloss Textured Green (TGR). Accessories: Dual-to-clean Photocell (POL); Controls Capable Photocell (CCH); Wireless control options. ETL listed, suitable for wet locations.



Anchor Base Poles

Wall Brackets



PROJECT: TYPE:

Description: All brackets have a nominal 3" OD tenon for luminaire mounting (except WBRO2), and four holes in the back plate for mounting to the wall. (Wall mounting hardware is not included, due to the wide variety of backing materials. Customer should determine the appropriate anchoring hardware based on the wall material.)

Construction: All wall brackets, with the exception of WBRO3 & WBRO6, are constructed of corrosion resistant cast aluminum (A393 Alloy). WBRO3 & WBRO6 are fabricated brackets.

Finish: The bracket will be finished with a premium quality thermoset polyester powdercoat for a durable finish. BLK - Satin Black; CLB - Classic Bronze; GBZ - Gloss Textured Bronze; GRN - Green; GTB - Gloss Textured Black; TGR - Gloss Textured Green; CSTM - Custom.

WBRO2

WBRO3

WBRO4

WBRO5

WBRO6

WBRO7

WBRO8

WBRO9

WBRO10

WBRO11

WBRO12

WBRO13

WBRO14

WBRO15

WBRO16

WBRO17

WBRO18

WBRO19

WBRO20

WBRO21

WBRO22

WBRO23

WBRO24

WBRO25

WBRO26

WBRO27

WBRO28

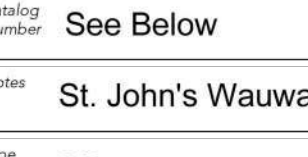
WBRO29

WBRO30

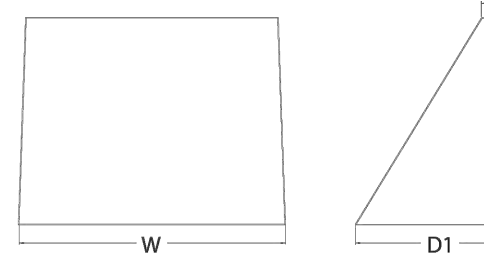
WBRO31

WBRO32

WDGE2 LED Architectural Wall Sconce Precision Refractive Optic

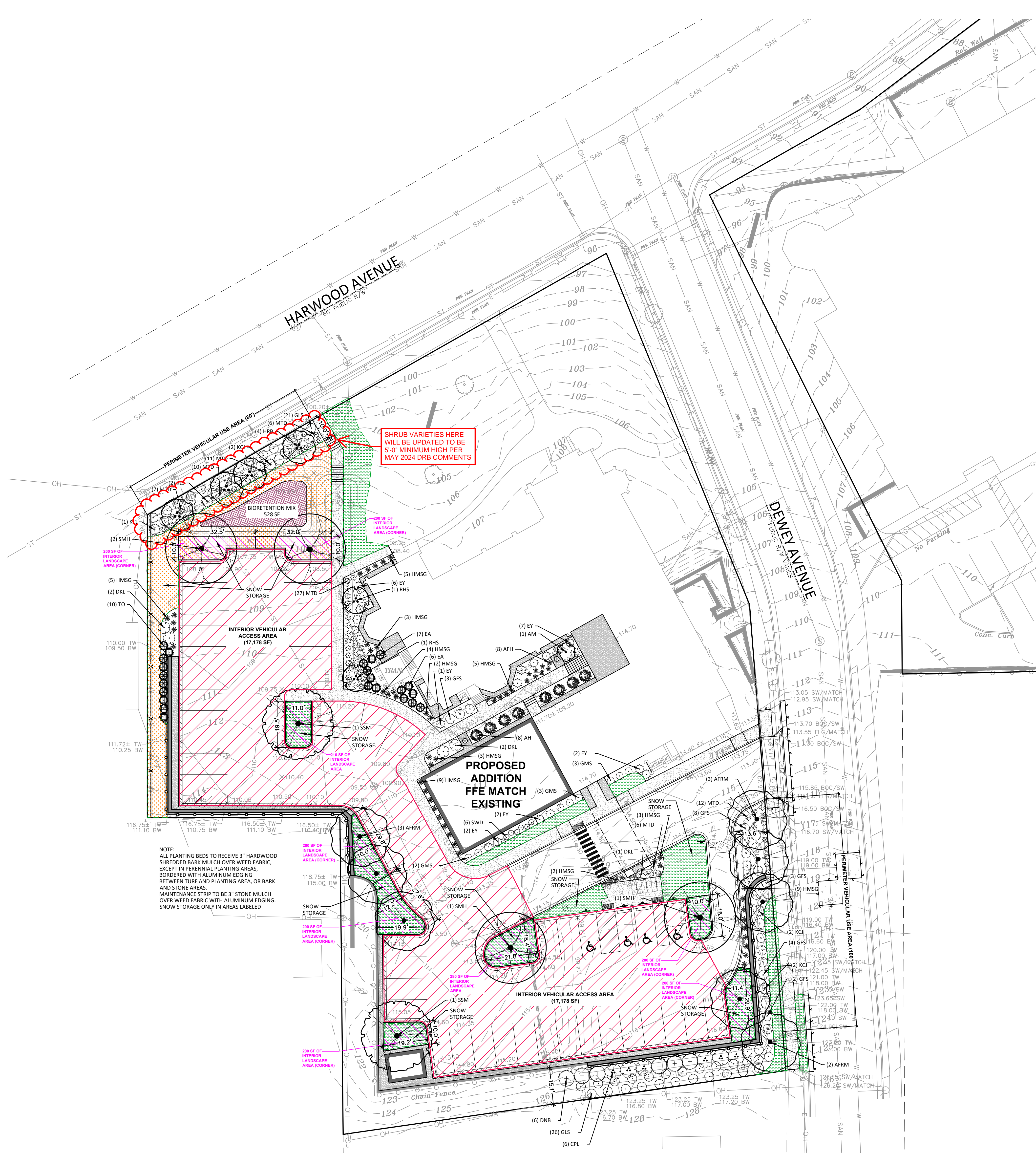


Specifications: Depth (D1): 7"; Depth (D2): 1.5"; Height: 9"; Width: 11.5"; Weight: 13.5 lbs (without options).



WDGE LED Family Overview

Table with columns: Luminaire, Optics, Standard LM, Opt, Sensor, Power, P1, P2, P3, P4, P5, P6, P7, P8, P9, P10, P11, P12, P13, P14, P15, P16, P17, P18, P19, P20, P21, P22, P23, P24, P25, P26, P27, P28, P29, P30, P31, P32, P33, P34, P35, P36, P37, P38, P39, P40, P41, P42, P43, P44, P45, P46, P47, P48, P49, P50, P51, P52, P53, P54, P55, P56, P57, P58, P59, P60, P61, P62, P63, P64, P65, P66, P67, P68, P69, P70, P71, P72, P73, P74, P75, P76, P77, P78, P79, P80, P81, P82, P83, P84, P85, P86, P87, P88, P89, P90, P91, P92, P93, P94, P95, P96, P97, P98, P99, P100, P101, P102, P103, P104, P105, P106, P107, P108, P109, P110, P111, P112, P113, P114, P115, P116, P117, P118, P119, P120, P121, P122, P123, P124, P125, P126, P127, P128, P129, P130, P131, P132, P133, P134, P135, P136, P137, P138, P139, P140, P141, P142, P143, P144, P145, P146, P147, P148, P149, P150, P151, P152, P153, P154, P155, P156, P157, P158, P159, P160, P161, P162, P163, P164, P165, P166, P167, P168, P169, P170, P171, P172, 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GENERAL NOTES

- REFER TO THE EXISTING CONDITIONS SURVEY FOR EXISTING CONDITIONS NOTES AND LEGEND.
- ALL WORK IN THE ROW SHALL BE IN ACCORDANCE WITH THE MUNICIPAL STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES.
- THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL FINE GRADING AND TOPSOILING WITH GENERAL CONTRACTOR.
- REFER TO "LANDSCAPE DETAILS AND NOTES" SHEET FOR ADDITIONAL DETAILS, NOTES AND SPECIFICATION INFORMATION INCLUDING MATERIALS, GUARANTEE AND EXECUTION RELATED TO LANDSCAPE PLAN.
- CONTRACTOR SHALL REVIEW SITE CONDITIONS FOR UTILITY CONFLICTS, DRAINAGE ISSUES, SUBSURFACE ROCK, AND PLANT PLACEMENT PRIOR TO PLANT INSTALLATION. REPORT ANY CONDITIONS THAT MAY HAVE ADVERSE IMPACT ON PLANTING OPERATIONS TO LANDSCAPE ARCHITECT.
- DO NOT COMMENCE PLANTING OPERATIONS UNTIL ALL ADJACENT SITE IMPROVEMENTS, IRRIGATION INSTALLATION (IF APPLICABLE), AND FINISH GRADING ARE COMPLETE.

CONTRACTOR NOTES:

- SHREDDED HARDWOOD BARK MULCH TO BE INSTALLED IN ALL PLANTING AREAS UNLESS OTHERWISE DEPICTED.
- ALL DISTURBED AREAS SHALL RECEIVE BLUEGRASS SEED (TYP) UNLESS OTHERWISE DEPICTED.

PLANT SCHEDULE

DECIDUOUS TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
	SSM	2	<i>Acer miyabei</i> 'Morton' TM / State Street Miyabei Maple	B & B	2.5" Cal
	AFRM	8	<i>Acer rubrum</i> 'Autumn Flame' / Autumn Flame Red Maple	B & B	2.5" Cal
	SMH	4	<i>Gleditsia triacanthos inermis</i> 'Shademaster' TM / Shademaster Locust	B & B	2.5" Cal
ORNAMENTAL TREES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
	RHS	2	<i>Amelanchier x grandiflora</i> 'Robin Hill' / Robin Hill Apple Serviceberry	B & B	2" Cal, 6' Tall (Multi-Stem)
	HRB	4	<i>Betula nigra</i> 'Cully' TM / Heritage River Birch	B & B	2" Cal, 7' Tall (Multi-Stem)
	AM	1	<i>Magnolia x 'Ann'</i> / Ann Magnolia	B & B	2" Cal
UPRIGHT EVERGREEN SHRUB	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
	TO	10	<i>Thuja occidentalis</i> 'Emerald' / Emerald Arborvitae	B & B	4' Tall
	EA	13	<i>Thuja occidentalis</i> 'Emerald' / Emerald Arborvitae	B & B	4' Tall
DECIDUOUS SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
	AH	8	<i>Hydrangea arborescens</i> 'Annabelle' / Annabelle Hydrangea	Cont.	#3
	DNB	6	<i>Physocarpus opulifolius</i> 'Monro' TM / Diablo Purple Ninebark	B & B	36" Tall
	GLS	47	<i>Rhus aromatica</i> 'Gro-Low' / Gro-Low Fragrant Sumac	Cont.	#3
	GFS	20	<i>Spiraea japonica</i> 'Goldflame' / Goldflame Japanese Spirea	Cont.	#3
	GMS	8	<i>Spiraea japonica</i> 'Goldmound' / Goldmound Japanese Spirea	Cont.	#3
	DKL	5	<i>Syringa meyeri</i> 'Palibin' / Dwarf Korean Lilac	B & B	24" Tall
	CPL	6	<i>Syringa vulgaris</i> / Common Lilac	B & B	36" Tall
EVERGREEN SHRUBS	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
	KCJ	9	<i>Juniper chinensis</i> 'Kallays Compact' / Kallay Compact Pfitzer Juniper	Cont.	#5
	EY	21	<i>Taxus x media</i> 'Everlow' / Everlow Yew	B & B	24" Tall
PERENNIALS & GRASSES	CODE	QTY	BOTANICAL / COMMON NAME	CONT	SIZE
	MTD	69	<i>Heemerocallis x 'Mary Todd'</i> / Mary Todd Daylily	Cont.	#1
	SWD	6	<i>Heemerocallis x 'Summer Wine'</i> / Summer Wine Daylily	Cont.	#1
	AFH	8	<i>Hosta x 'Autumn Frost'</i> / Autumn Frost Plantain Lily	Cont.	#1
	HMSG	50	<i>Panicum virgatum</i> 'Heavy Metal' / Heavy Metal Switch Grass	Cont.	#1

BIORETENTION BASIN PLUGS

BIORETENTION BASIN PLUG SCHEDULE (528 square feet)

Botanical Name	Common Name	Spacing	Quantity
Permanent Grasses:			
<i>Carex grayii</i>	Common Bur Sedge	12" O.C.	48
<i>Carex stipata</i>	Common Fox Sedge	12" O.C.	48
<i>Panicum virgatum</i>	Switch Grass	12" O.C.	48
<i>Spartina pectinata</i>	Prairie Cord Grass	12" O.C.	48
Forbs:			
<i>Aster novae-angliae</i>	New England Aster	12" O.C.	24
<i>Asclepias incarnata</i>	Swamp Milkweed	12" O.C.	24
<i>Echinacea purpurea</i>	Broad-Leaved Purple Coneflower	12" O.C.	24
<i>Eryngium yuccifolium</i>	Rattlesnake Master	12" O.C.	24
<i>Eupatorium maculatum</i>	Spotted Joe-Pye Weed	12" O.C.	24
<i>Liatris spicata</i>	Marsh Blazing Star	12" O.C.	24
<i>Loelia cardinalis</i>	Cardinal Flower	12" O.C.	24
<i>Monarda fistulosa</i>	Wild Bergamot	12" O.C.	24
<i>Penstemon digitalis</i>	Foxglove Beardtongue	12" O.C.	24
<i>Pycnanthemum virginianum</i>	Common Mountain Mint	12" O.C.	24
<i>Rafibida pinnata</i>	Yellow Coneflower	12" O.C.	24
<i>Rudbeckia hirta</i>	Black-Eyed Susan	12" O.C.	24
<i>Veronicastrum virginianum</i>	Culver's Root	12" O.C.	24
<i>Zizia aurea</i>	Golden Alexanders	12" O.C.	24

LANDSCAPE REQUIREMENTS

Sec. 24.12.020 PERIMETER VEHICULAR ACCESS AREA (NORTH) (80 LF)

Landscape Requirement: 2 Deciduous Trees + 8 Shrubs per 50 LF

Calculation: 80 LF / 50 = 1.6

Required: 4 Trees + 13 Shrubs

Provided: 4 Trees + 24 Shrubs + 24 Perennials

Sec. 24.12.020 PERIMETER VEHICULAR ACCESS AREA (EAST) (100 LF)

Landscape Requirement: 2 Deciduous Trees + 8 Shrubs per 50 LF

Calculation: 100 LF / 50 = 2

Required: 4 Trees + 16 Shrubs

Provided: 4 Trees + 21 Shrubs + 21 Perennials

Sec. 24.12.030 INTERIOR VEHICULAR ACCESS AREA (17,178 SF)

Landscape Requirement: At least 10% must be landscaped

Calculation: At least 1 tree per 180 SF of required interior landscape area

17,178 / 180 = 95.4

Required: 1,718 SF of interior landscape area + 10 trees

Provided: 1(210)+7(200 SF)+1(280 SF)= 1,890 SF of interior landscape area + 10 trees

LEGEND



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Proposal: 03/29/2024
Contract: XX/XX/XXXX
State Submittal / Permit: 8/19/2025
City Submittal: 06/07/2023
City Resubmittal #1: 10/20/2023
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LOCAL DESIGN REVIEW BOARD: 06/11/2026

REVISIONS:

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PROJECT ADDRESS:

PROJECT NAME
St. John's Evangelical Lutheran Church
STREET ADDRESS
7809 Harwood Ave.
CITY / STATE / ZIP
Wauwatosa, WI 53213

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Architect: AMH
Engineer: PSM
Reviewed By: APM

Sheet Title:
LANDSCAPE PLAN

Sheet Number:
L-100

Project Number:
P13586

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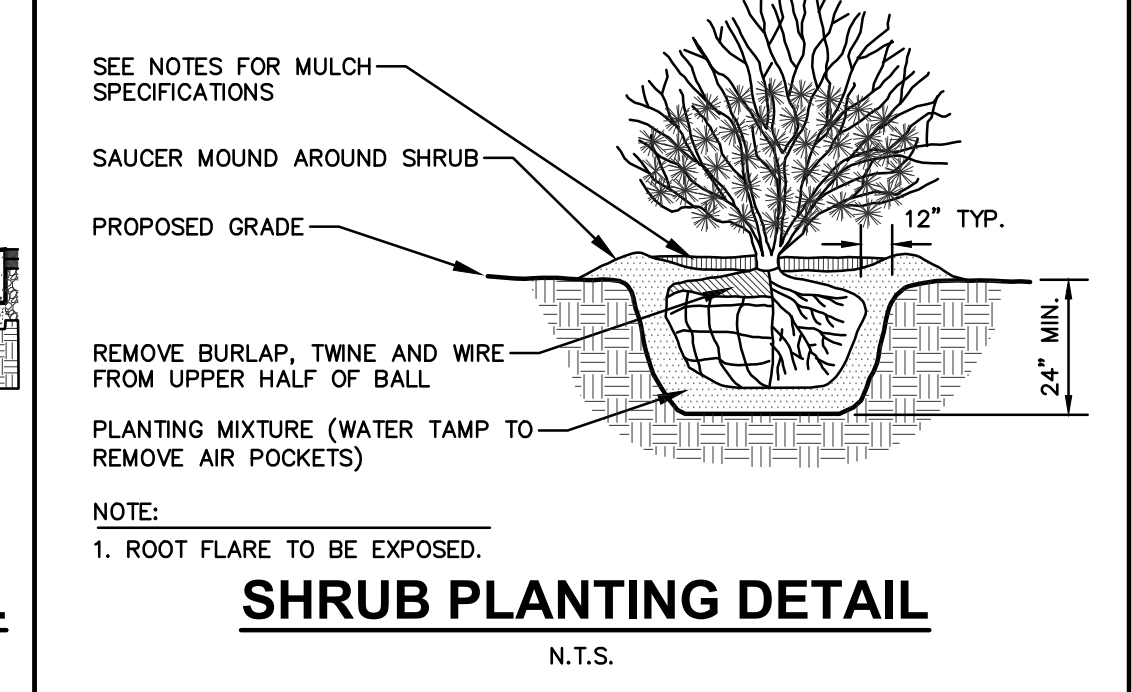
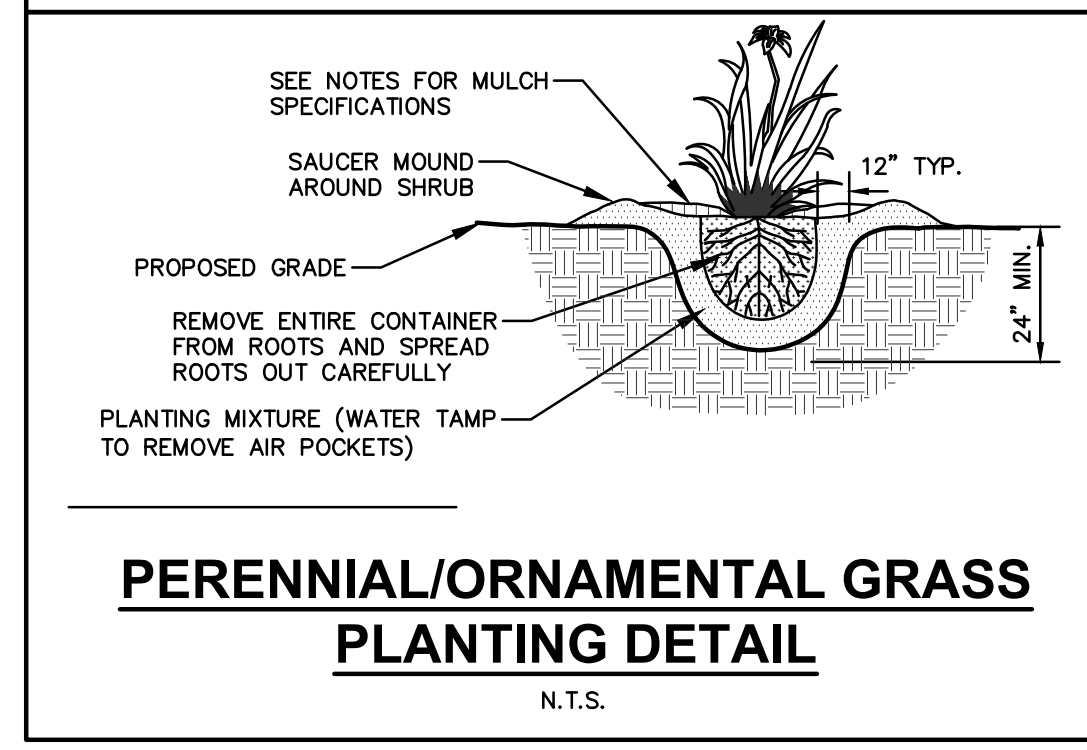
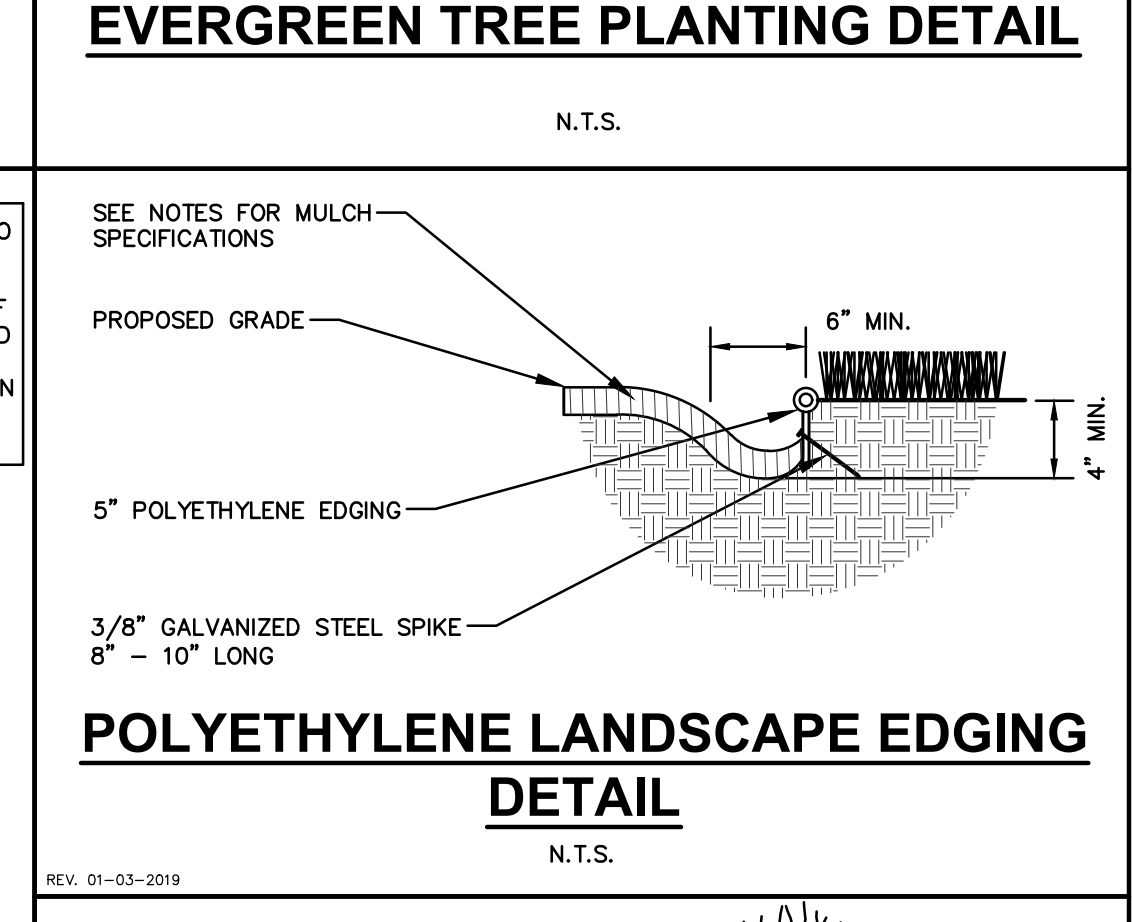
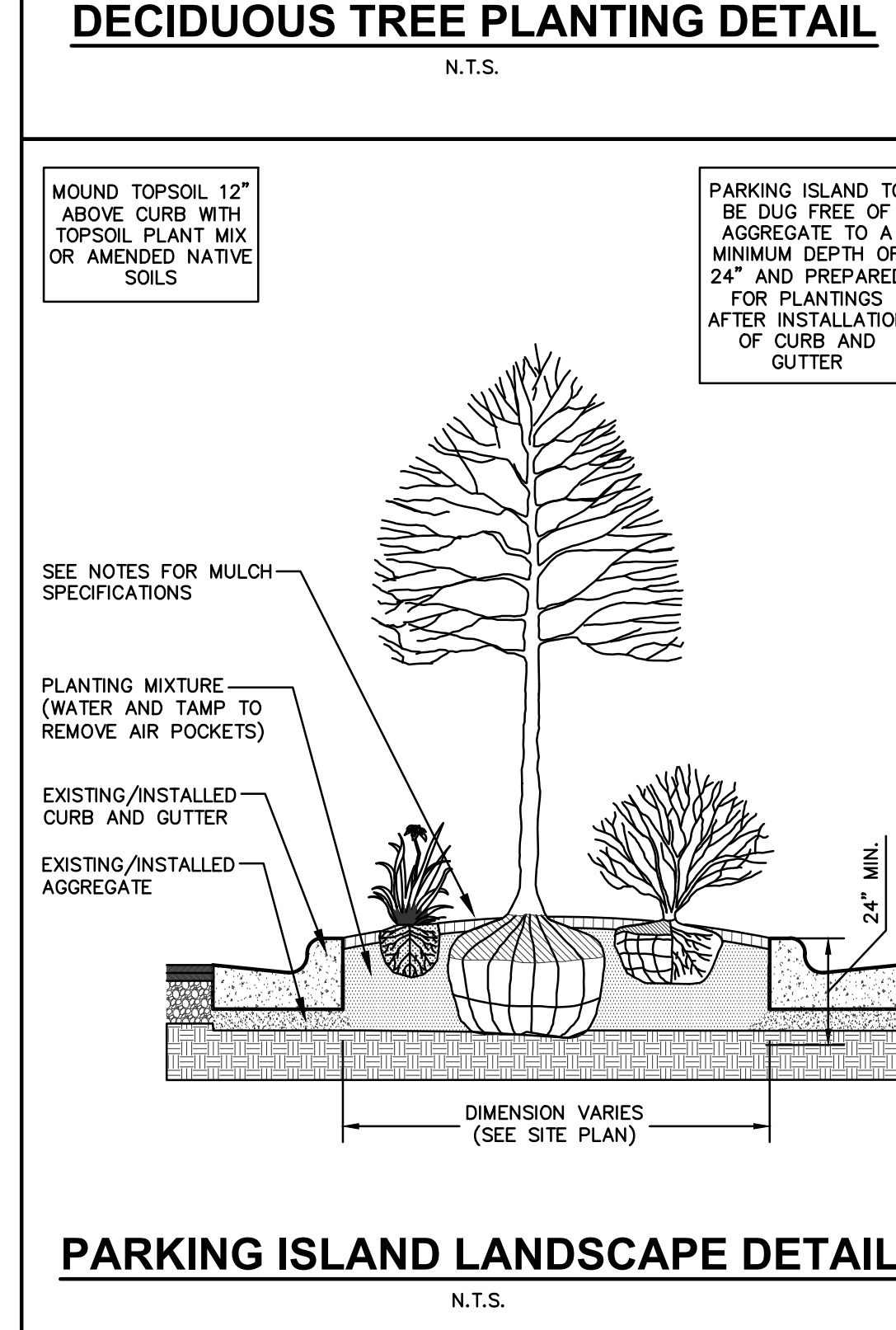
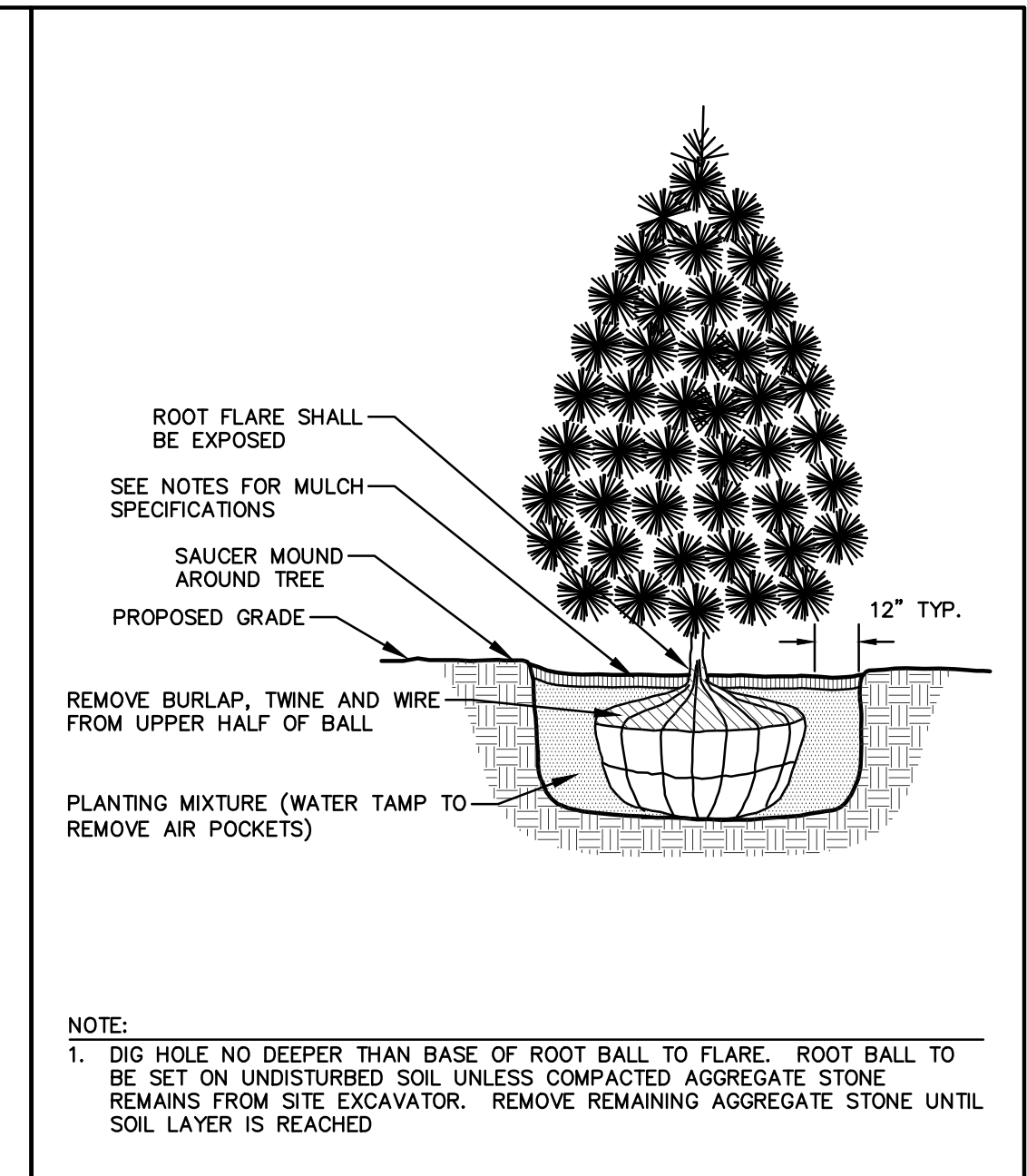
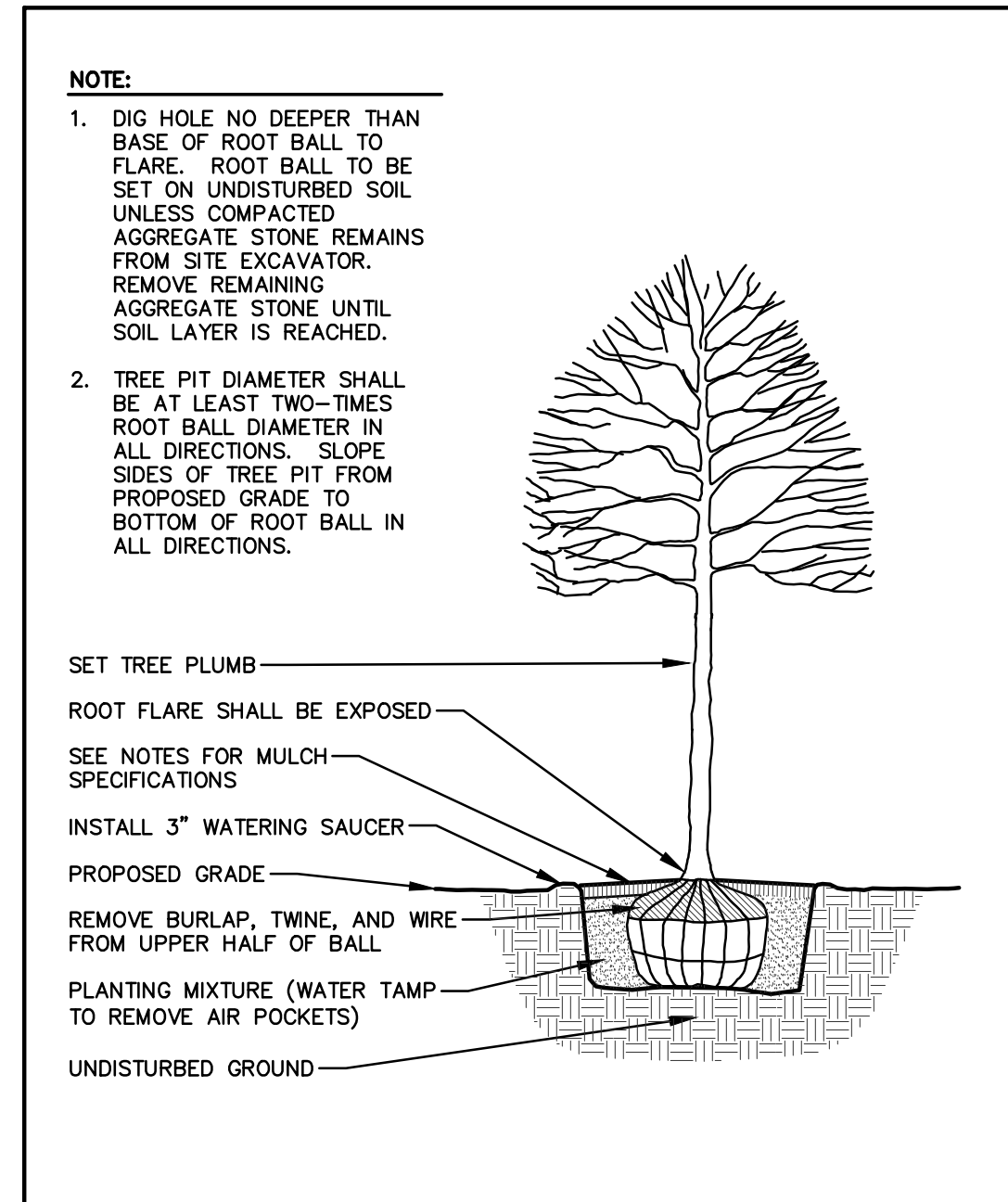
LANDSCAPE PLAN 1"=20'-0"

MANAGERS

ENGINEERS

CONTRACTORS

ARCHITECTS



GENERAL NOTES

- GENERAL: ALL WORK IN THE R-O-W AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH LOCAL MUNICIPAL REQUIREMENTS. JSD SHALL BE HELD HARMLESS AND DOES NOT WARRANT ANY DEVIATIONS BY THE OWNER/CONTRACTOR FROM THE APPROVED CONSTRUCTION PLANS THAT MAY RESULT IN DISCIPLINARY ACTIONS BY ANY OR ALL REGULATORY AGENCIES. LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE DONE TO UTILITIES. CONTRACTOR MUST CALL 1-800-242-8511 FOR UTILITY LOCATIONS AT LEAST THREE DAYS PRIOR TO DIGGING. HAND DIG AND INSTALL ALL PLANTS THAT ARE NEAR EXISTING UTILITIES. PROTECT PREVIOUSLY INSTALLED WORK OF OTHER TRADES. CONTRACTOR IS RESPONSIBLE FOR STAKING THE PLANT MATERIALS FOR REVIEW BY OWNER PRIOR TO DIGGING AND PLACEMENT AND SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.
- DELIVERY AND HANDLING: DO NOT DELIVER MORE PLANT MATERIALS THAN CAN BE PLANTED IN ONE DAY, UNLESS ADEQUATE AND SECURE STORAGE IS PROVIDED AND APPROVED BY OWNER'S REPRESENTATIVE. AT ALL TIMES, PROTECT ALL PLANT MATERIALS FROM WIND AND DIRECT SUN. DELIVER PLANTS WITH LEGIBLE IDENTIFICATION LABELS. PROTECT PLANTS DURING DELIVERY AND DO NOT PRUNE PRIOR TO DELIVERY. ALL TREES AND SHRUBS SHALL BE PLANTED ON THE DAY OF DELIVERY. IF THIS IS NOT POSSIBLE, PROTECT THE PLANT MATERIALS NOT PLANTED BY STORING THEM IN A SHADED, SECURE AREA, PROTECTING THE ROOT MASS WITH WET SOIL, MULCH, HAY OR OTHER SUITABLE MEDIUM. CONTRACTOR TO KEEP ALL PLANT MATERIALS ADEQUATELY WATERED TO PREVENT ROOT DESICCATION. DO NOT REMOVE CONTAINER GROWN STOCK FROM CONTAINERS BEFORE TIME OF PLANTING. DO NOT PICK UP CONTAINER OR BALLED PLANTS BY STEM OR ROOTS. ALL PLANTS SHALL BE LIFTED AND HANDLED FROM THE BOTTOM OF THE CONTAINER OR BALL. PERFORM ACTUAL PLANTING ONLY WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE IN ACCORDANCE WITH LOCALLY ACCEPTED BEST HORTICULTURAL PRACTICES.
- MATERIALS - PLANTS: ALL PLANTS SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR NURSERY STOCK AND Z601.1. PLANTS SHALL BE TRUE TO SPECIES AND VARIETY SPECIFIED AND NURSERY GROWN IN ACCORDANCE WITH GOOD HORTICULTURAL PRACTICES UNDER CLIMATIC CONDITIONS SIMILAR TO THOSE IN THE LOCALITY OF THE PROJECT FOR AT LEAST 2 YEARS. PLANTS SHALL BE FRESHLY DUG (DURING THE MOST RECENT FAVORABLE HARVEST SEASON). PLANTS SHALL BE SO TRAINED IN DEVELOPMENT AND APPEARANCE AS TO BE UNQUESTIONABLY SUPERIOR IN FORM, COMPACTNESS, AND SYMMETRY. PLANTS SHALL BE SOUND, HEALTHY, VIGOROUS, WELL BRANCHED AND DENSELY FOLIATED WHEN IN LEAF, AND FREE OF DISEASE AND INSECTS (ADULT EGGS, PUPAE OR LARVAE). THEY SHALL HAVE HEALTHY, WELL-DEVELOPED ROOT SYSTEMS AND SHALL BE FREE FROM PHYSICAL DAMAGE OR OTHER CONDITIONS THAT WOULD PREVENT THRIVING GROWTH OR PREMATURE MORTALITY. PLANTS SHALL BE OF THE HIGHEST QUALITY, POSSESS TYPICAL GROWTH HABITS AND FORM FOR THEIR SPECIES AND BE FREE OF INJURY. PARKWAY TREES AND PARKING LOT TREES SHALL HAVE A MINIMUM BRANCHING HEIGHT OF SIX (6) FEET ABOVE THE GROUND TO ALLOW ADEQUATE VISUAL AND PHYSICAL CLEARANCE.
- PRUNING: THE CONTRACTOR SHALL PRUNE ALL TREES AND REPAIR ANY INJURIES THAT OCCURRED DURING THE PLANTING PROCESS. DOUBLE LEADERS, DEAD BRANCHES OR LIMBS DAMAGED OR BROKEN DURING THE PLANTING PROCESS, SHALL BE PRUNED. THIS SHALL BE THE ONLY PRUNING ALLOWED AT PLANTING. PRUNING SHALL CONFORM TO THE LATEST VERSION OF THE AMERICAN STANDARD FOR TREE CARE OPERATIONS, ANSI A300. PRUNE TREES IN ACCORDANCE WITH NAA GUIDELINES. DO NOT TOP TREES. PRUNE SHRUBS ACCORDING TO STANDARD HORTICULTURAL PRACTICES. ON CUTS OVER 3/4" IN DIAMETER AND BRUISES OR SCARS ON BARK, TRACE THE INJURED CAMBIUM LAYER BACK TO LIVING TISSUE AND REMOVE. SMOOTH AND SHAPE WOUNDS SO AS NOT TO RETAIN WATER. TREAT THE AREA WITH AN APPROVED INCONSPICUOUS LATEX BASED ANTISEPTIC TREE PAINT, IF PRUNING OCCURS IN SEASON. DO NOT PRUNE ANY OAK TREES DURING THE MONTHS FROM APRIL TO OCTOBER.
- CLEANUP: THE WORK AREA SHALL BE KEPT SAFE AND NEAT AT ALL TIMES. DISPOSED OF EXCESS SOIL, REMOVE ALL CUTTINGS AND WASTE MATERIALS, SOIL AND BRANCHES, BIND AND WRAP THESE MATERIALS, ANY REJECTED PLANTS, AND ANY OTHER DEBRIS FROM ALL PLANTING TASKS AND PROMPTLY CLEAN UP AND REMOVE FROM THE PROJECT SITE. UNDER NO CIRCUMSTANCES SHALL THE ACCUMULATION OF TREE BRANCHES OR OTHER DEBRIS BE ALLOWED UPON A PUBLIC PROPERTY IN SUCH A MANNER AS TO RESULT IN A PUBLIC SAFETY HAZARD OR DAMAGE, LIKEWISE, UNDER NO CIRCUMSTANCES SHALL ANY DEBRIS OR INCIDENTAL MATERIALS BE ALLOWED UPON ADJACENT PRIVATE PROPERTY.
- ANY SUBSTITUTIONS IN PLANT TYPE, LOCATION, OR SIZE SHALL BE APPROVED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- CONTRACTOR TO VERIFY PLANT MATERIAL QUANTITIES AND SQUARE FOOTAGES, QUANTITIES SHOWN ON PLAN TAKE PRECEDENCE OVER THOSE ON SCHEDULE.

LANDSCAPE MATERIAL NOTES

- MATERIALS - PLANTING MIXTURE: ALL HOLES EXCAVATED FOR TREES, SHRUBS, PERENNIALS AND ORNAMENTAL GRASSES SHALL BE BACKFILLED WITH TWO (2) PARTS TOPSOIL, ONE (1) PART SAND AND ONE (1) PART COMPOST. SOIL MIXTURE SHALL BE WELL-BLENDED PRIOR TO INSTALLATION.
- MATERIALS - TOPSOIL: TOPSOIL TO BE CLEAN, FRIABLE LOAM FROM A LOCAL SOURCE, FREE FROM STONES OR DEBRIS OVER 3/4" IN DIAMETER, AND FREE FROM TOXINS OR OTHER DELETERIOUS MATERIALS. TOPSOIL SHALL HAVE A PH VALUE BETWEEN 6 AND 7. TOPSOIL AND PLANTING SOIL SHALL BE TESTED TO ENSURE CONFORMANCE WITH THESE SPECIFICATIONS AND SHALL BE AMENDED TO MEET THESE SPECIFICATIONS. PROVIDE TEST RESULTS TO OWNER'S REPRESENTATIVE PRIOR TO PLACEMENT. DO NOT PLACE TOPSOIL OR MUDDY TOPSOIL. APPLY SOIL AMENDMENTS TO ALL LANDSCAPE AREAS PER SOIL TEST.
- MATERIALS - SHREDDED HARDWOOD BARK MULCH: ALL PLANTING AREAS LABELED ON PLAN SHALL RECEIVE CERTIFIED WEED FREE, SHREDDED HARDWOOD BARK MULCH INSTALLED TO A MINIMUM AND CONSISTENT DEPTH OF 3-INCHES. SHREDDED HARDWOOD BARK MULCH SIZE & COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY, AND STATE REQUIREMENTS. SHREDDED HARDWOOD BARK MULCH AREAS SHALL NOT RECEIVE WOVEN WEED BARRIER FABRIC.
- MATERIALS - DECORATIVE STONE MULCH: ALL PLANTING AREAS LABELED ON PLAN SHALL RECEIVE HERITAGE STONE MULCH SPREAD TO A MINIMUM AND CONSISTENT DEPTH OF 3-INCHES. DECORATIVE STONE MULCH TYPE, SIZE & COLOR TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. FERTILIZER SHALL BE IN ACCORDANCE WITH APPLICABLE LOCAL, COUNTY AND STATE REQUIREMENTS. STONE MULCH AREAS SHALL RECEIVE WOVEN WEED BARRIER FABRIC. NO PLASTIC/IMPERVIOUS BARRIERS WILL BE PERMITTED. EXAMPLE: BLACK VISQUEEN.
- MATERIALS - TREE & SHRUB RINGS: ALL TREES AND/OR SHRUBS PLANTED IN SEEDED LAWN AREAS TO BE INSTALLED WITH A MINIMUM 4" DIAMETER SHREDDED HARDWOOD BARK MULCH TREE RING SPREAD TO A CONSISTENT DEPTH OF 3-INCHES. ALL TREE RINGS SHOULD BE INSTALLED WITH A 5" DEPTH SHOVEL CUT EDGE, ANGLED 45 DEGREES INTO SOIL AT A 5" DIAMETER ABOUT THE CENTER OF THE TREE PLANTING. A PRE-EMERGENT GRANULAR HERBICIDE WEED-PREVENTER SHOULD BE MIXED WITH MULCH USED TO INSTALL TREE RING AS WELL AS TOPICALLY APPLIED TO COMPLETED INSTALLATION OF TREE RING.
- MATERIALS - ALUMINUM LANDSCAPE EDGING: EDGING SHALL BE 1/8" X 4", ALUMINUM EDGING, MILL FINISH, OWNER'S REPRESENTATIVE SHALL APPROVE PRODUCT SPECIFICATION PROVIDED BY LANDSCAPE CONTRACTOR.
- MATERIALS - TREE PROTECTION: ALL TREES TO BE INSTALLED WITH LDPE TREE GUARDS AS MANUFACTURED BY A.M. LEONARD HORTICULTURAL TOOL & SUPPLY CO., OR APPROVED EQUAL.
- MATERIALS - (ALTERNATE 1): TREE WATERING BAGS: ALL TREES TO BE INSTALLED WITH ONE (1) WATER BAG. PRODUCT TO BE "TREE GATOR ORIGINAL SLOW RELEASE WATERING BAG", PRODUCT NO. 98183-R OR APPROVED EQUAL, INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

SEEDING, SODDING, TURF, & BIORETENTION NOTES

- MATERIALS - MATERIALS - SOD: DISTURBED LAWN AREAS LABELED ON PLAN AS SUCH, SHALL RECEIVE 4" OF TOPSOIL AND A PREMIUM GRADE TURFGRASS SOD. ONLY IMPROVED TYPES OF SOD (ELITE) ARE ACCEPTABLE. TURFGRASS SHALL BE MACHINE CUT AT A UNIFORM THICKNESS OF .80 INCH, PLUS OR MINUS .25 INCH, AT TIME OF CUTTING. MEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH. LARGE ROLL TURFGRASS SOD SHALL BE CUT TO THE SUPPLIER'S STANDARD WIDTH (36-48 INCHES) AND LENGTH. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE. STANDARD SIZE SECTIONS OF TURFGRASS SOD SHALL BE STRONG ENOUGH SO THAT THEY CAN BE PICKED UP AND HANDLED WITHOUT DAMAGE. TURFGRASS SOD SHALL NOT BE HARVESTED OR TRANSPORTED WHEN MOISTURE CONTENT IS EXCESSIVELY DRY OR WET, AS THIS MAY ADVERSELY AFFECT ITS SURVIVAL. POST-PLANT IRRIGATION WILL BE NECESSARY TO ENSURE SOD STAYS ALIVE AND ROOTS INTO SOIL. THE CONTRACTOR IS RESPONSIBLE FOR WATERING SOD UNTIL TIME OF ACCEPTANCE BY THE OWNER. TURFGRASS SOD SHALL BE HARVESTED, DELIVERED, AND INSTALLED/TRANSPORTED WITHIN A PERIOD OF 24 HOURS. TURFGRASS SOD SHALL BE RELATIVELY FREE OF THATCH, UP TO 0.5 INCH ALLOWABLE (UNCOMPRESSED). TURFGRASS SOD SHALL BE REASONABLY FREE (10 WEEDS/100 SQ. FT.) OF DISEASES, NEMATODES AND SOIL-BORNE INSECTS. ALL TURFGRASS SOD SHALL BE FREE OF GRASSY AND BROAD LEAF WEEDS AND WEED SEED. THE SOD SUPPLIER SHALL MAKE RECOMMENDATIONS TO THE CONTRACTOR REGARDING WATERING SCHEDULE. THE WATERING SCHEDULE SHOULD BEGIN IMMEDIATELY AFTER SOD IS INSTALLED.
- MATERIALS - NO-MOW FESCUE SEED: DISTURBED LAWN AREAS LABELED ON PLAN AS SUCH, SHALL BE BROADCAST SEEDS WITH "NO-MOW FESCUE" SEED MIX, AS PROVIDED BY PRAIRIE NURSERY, P.O. BOX 306, WESTFIELD, WISCONSIN, 53984, TEL. 608-291-3379 (OR APPROVED EQUIVALENT). INSTALL SEED WITH SUPPLEMENTAL MATERIALS AND AMENDMENTS AS RECOMMENDED BY SEED SUPPLIER AND AT RATES AND OPTIMAL TIMES OF THE YEAR AS RECOMMENDED BY THE SEED SUPPLIER TO INSURE SUCCESSFUL GERMINATION AND SEED/ROOT ZONE GROWTH DEVELOPMENT. REFER TO PRODUCT SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS FOR MULCHING AND INSTALLATION.
- MATERIALS - BIORETENTION BASIN PLUG PLANTINGS: PLUG PLANTINGS TO BE INSTALLED 1'-0" ON CENTER, MIXING SPECIES INTEGRALLY IN PLUGS OF SO AT A TIME. REFER TO NDRM PLUG PLANTING TECHNICAL STANDARDS FOR ROOTSTOCK INSTALLATION AND MULCHING SPECIFICATIONS.

CONTRACTOR AND OWNER RESPONSIBILITY NOTES

- GUARANTEE: THE CONTRACTOR SHALL GUARANTEE ALL PLANTS THROUGH ONE (1) YEAR AFTER ACCEPTANCE BY THE OWNER'S REPRESENTATIVE. PLANTS SHALL BE ALIVE AND IN HEALTHY AND FLOURISHING CONDITION AT THE END OF THE GUARANTEE PERIOD. THE CONTRACTOR SHALL REPLACE (AT NO COST TO OWNER) ANY PLANTS THAT ARE DEAD OR NOT IN A VIGOROUS THRIVING CONDITION. REPLACEMENT PLANTS SHALL BE OF THE SAME KIND AND SIZE AS ORIGINALLY SPECIFIED UNLESS OTHERWISE DIRECTED BY OWNER'S REPRESENTATIVE. RESTORE BEDS AS NECESSARY FOLLOWING PLANT ACCEPTANCE, INCLUDING BUT NOT LIMITED TO BEDDING, EDGING, MULCH, ETC. REPLACE PLANTS DAMAGED AT TIME OF PLANTING. REPAIR AREAS DISTURBED IN ANY WAY DURING PLANT REPLACEMENT AT NO COST TO OWNER. CONTRACTOR SHALL PROVIDE A ONE (1)-YEAR STRAIGHTENING GUARANTEE FOR ALL TREES.
- CONTRACTOR IS RESPONSIBLE FOR STAKING THE PLANT MATERIALS FOR REVIEW BY OWNER'S REPRESENTATIVE PRIOR TO DIGGING AND PLACEMENT AND SHALL COORDINATE ALL FINE GRADING AND RESTORATION WITH THE GRADING CONTRACTOR.
- MAINTENANCE: (CONTRACTOR) FOR ALL PLANTINGS, SEEDS AND/OR SODDED LAWN AREAS. THE CONTRACTOR SHALL MAINTAIN ALL PLANTINGS AND LAWN AREAS FOR A MINIMUM PERIOD OF 60 DAYS, UNTIL FINAL ACCEPTANCE BY OWNER'S REPRESENTATIVE. THE CONTRACTOR IS RESPONSIBLE FOR ADEQUATELY WATERING PLANTS AND LAWN/TURFGRASS DURING THIS 60 DAY ESTABLISHMENT PERIOD. CONTRACTOR IS RESPONSIBLE FOR THE ESTABLISHMENT OF HEALTHY VIGOROUS PLANT MATERIALS AND LAWN/TURFGRASS GROWTH. CONTRACTOR IS ALSO RESPONSIBLE FOR ANY PRUNING OF PLANT MATERIALS, AND SHAPING AND/OR REPLACEMENT OR SUPPLEMENT OF DEFICIENT SHREDDED HARDWOOD BARK MULCH DURING THIS PERIOD. LONG TERM PLANT MATERIALS AND LAWN/TURFGRASS MAINTENANCE AND ANY PROGRAM FOR SUCH IS THE RESPONSIBILITY OF THE OWNER. ALL PLANTINGS AND LAWN/TURFGRASS AREAS SHALL BE MAINTAINED IN A MANICURED CONDITION UNTIL THE TIME WHEN THE OWNER'S ACCEPTANCE IS GIVEN.
- MAINTENANCE: (OWNER) THE OWNER IS RESPONSIBLE FOR THE CONTINUED MAINTENANCE, REPAIR AND REPLACEMENT OF ALL LANDSCAPING MATERIALS AND WEED BARRIER FABRIC AS NECESSARY FOLLOWING THE ONE (1) YEAR CONTRACTOR GUARANTEE PERIOD.

LANDSCAPING:

LANDSCAPING TO BE INSTALLED AFTER COMPLETION OF THE BUILDING

INSTALLATION OF LANDSCAPING NOT TO AFFECT OPERATIONS OF THE BUILDING

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Proposal:	XX/XX/XXXX
Contract:	3/29/2024
State Submittal / Permit:	8/19/2025
City Submittal:	06/07/2023
City Resubmittal #1:	10/20/2023
City Resubmittal #2:	02/02/2024
LOCAL DESIGN REVIEW BOARD	06/11/2026

REVISIONS:

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PROJECT ADDRESS:

PROJECT NAME
St. John's Evangelical Lutheran Church
STREET ADDRESS
7809 Harwood Ave.
CITY/ STATE / ZIP
Wauwatosa, WI 53123

ALL WORK TO BE COMPLETED AS SHOWN, AND IN ACCORDANCE WITH THE LATEST EDITION OF THE MSI GENERAL MASTER SPECIFICATION

Architect: AMH
Engineer: PSM
Reviewed By: APM

Sheet Title:
LANDSCAPE NOTES & DETAILS
Sheet Number:
L-200
Project Number:
P13586

MANAGERS

ENGINEERS

CONTRACTORS

ARCHITECTS

GENERAL NOTES - FLOOR PLAN(S)

A. MOISTURE RESISTANT GWB AT ALL LOCATIONS EXPOSED TO MOISTURE (BATHROOMS, JANITOR/PLUMBING ROOMS, KITCHENS, ETC. AND EXTERIOR WINDOW AND DOOR HEAD AND JAMB RETURNS)

B. REMOVE ALL EXISTING GYP. BD TEXTURE TO BE SMOOTH IN NARTHEX AND COATROOMS



DESIGNBUILD

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MILESTONE ISSUE DATES

PRELIMINARY SET: 2/14/2024
BUDGET SET: 2/14/2024
LOCAL DESIGN REVIEW SET: 4/23/2024
PROPOSAL SET: 4/23/2024
PERMIT SET: 8/18/2025
LOCAL DESIGN REVIEW BOARD: 06/11/2026

RECORD DRAWING SET:
REVISIONS:



ST. JOHN'S LUTHERAN CHURCH ADDITION

PROJECT ADDRESS:
7809 HARWOOD AVE
WAUWATOSA, WISCONSIN 53213

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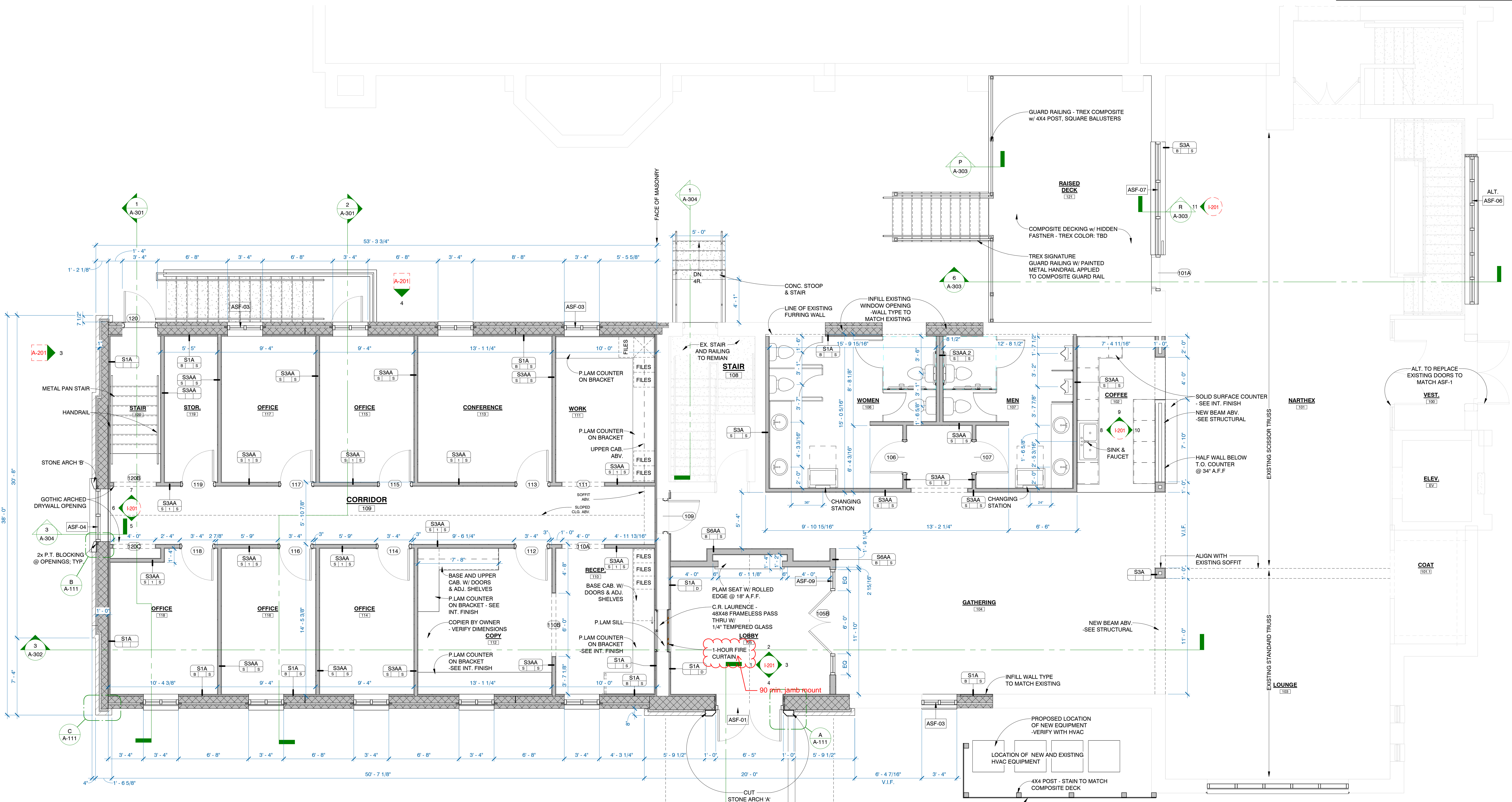
PROJECT ARCHITECT	STRUCTURAL ENGINEER	LANDSCAPE DESIGNER
XXX	XXX	XXX
DESIGN ARCHITECT	CIVIL ENGINEER	REVIEWED BY
XXX	XXX	XXX

SHEET TITLE:
FIRST FLOOR PLAN

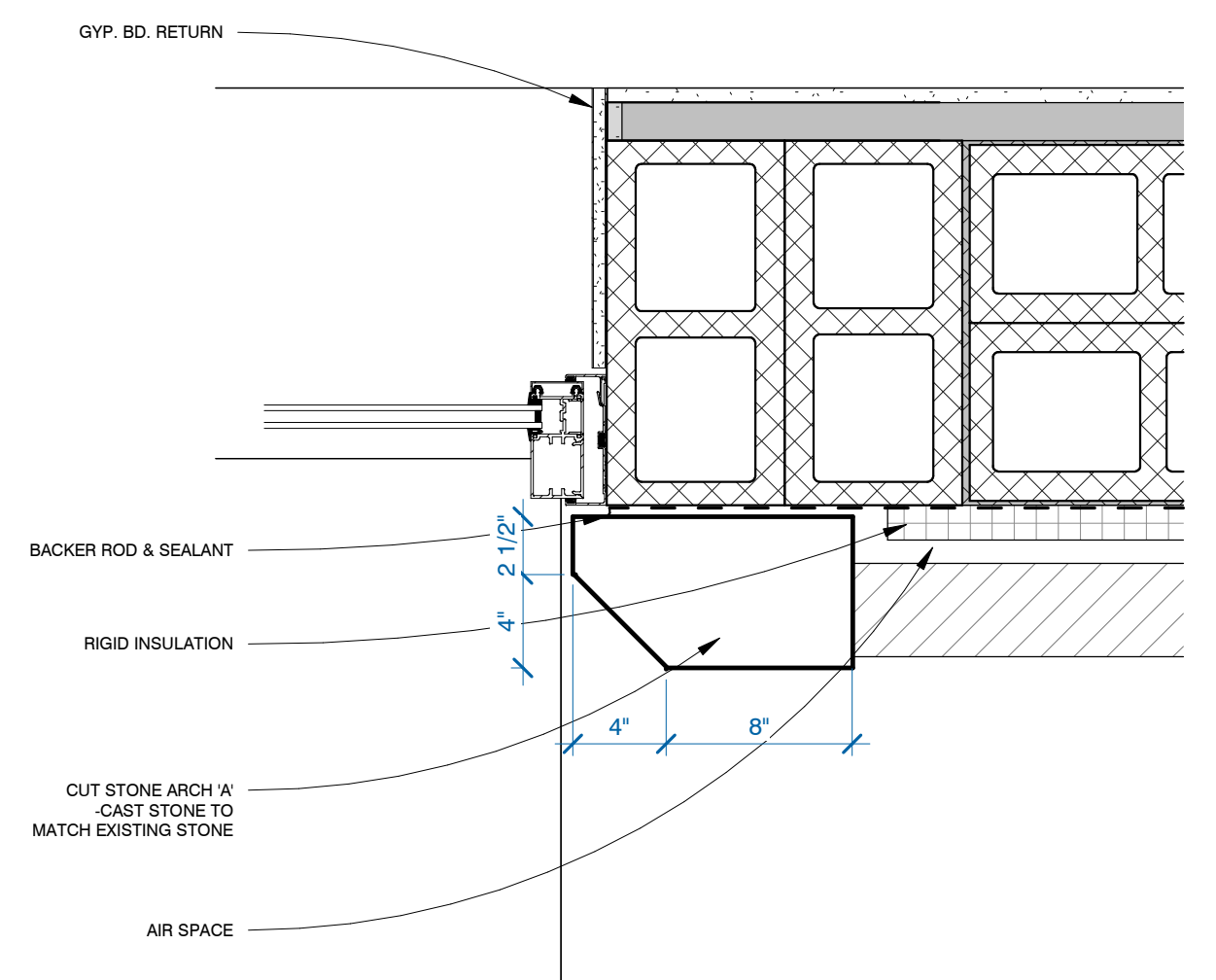
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PROJECT NUMBER:
P13586

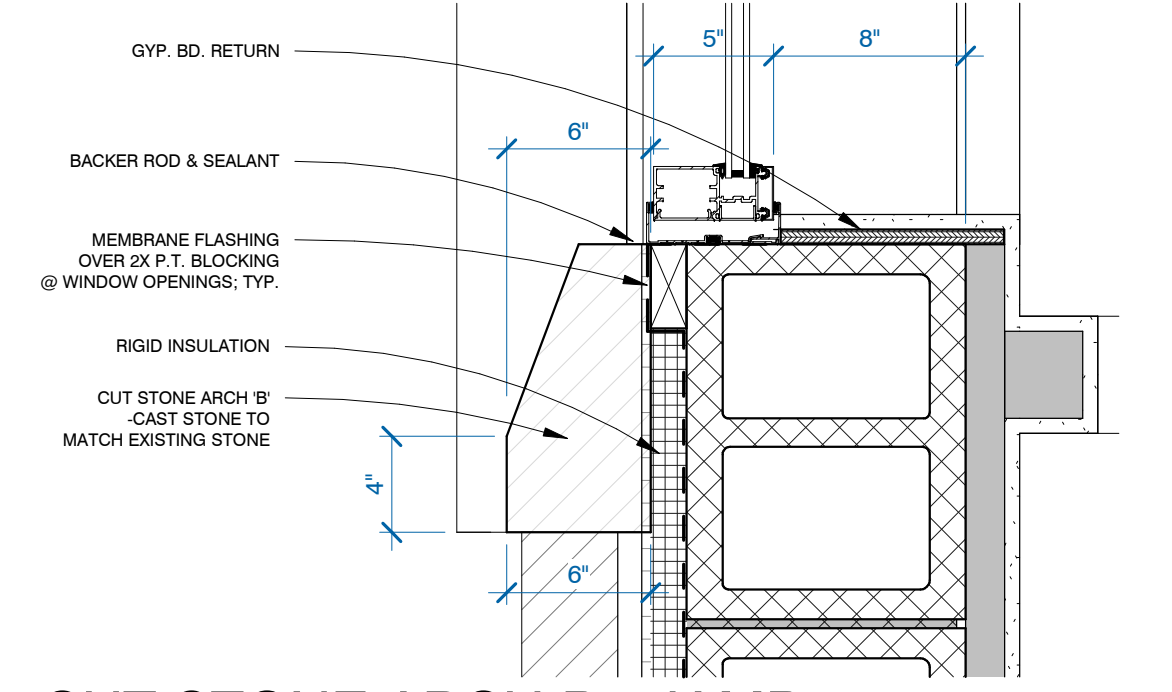
COR#1 - 5/6/2026



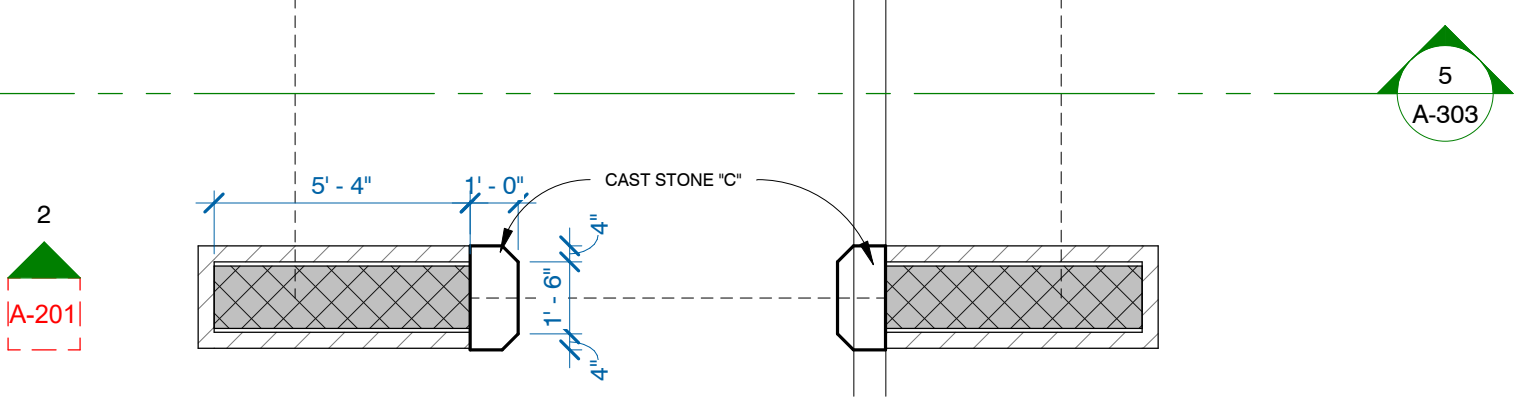
ENLARGED FIRST FLOOR PLAN
1/4" = 1'-0"



CUT STONE ARCH A - JAMB
1 1/2" = 1'-0"



CUT STONE ARCH B - JAMB
1 1/2" = 1'-0"



PLAN CALL-OUT
1 1/2" = 1'-0"

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LEADERS

ENGINEERS

CONTRACTORS

ARCHITECTS



DESIGNBUILD

MSJ GENERAL CORPORATION
W215 E. WISCONSIN AVE.
NASHOTAH, WI 53058
262.367.3661 | MSJGENERAL.COM

SINGLE SOURCE RESPONSIBILITY
DESIGNING EXCELLENCE. BUILDING TRUST™

MILESTONE ISSUE DATES

PRELIMINARY SET: 2/14/2024

BUDGET SET: 4/23/2024

LOCAL DESIGN REVIEW SET: 8/18/2025

PROPOSAL SET: 06/11/2026

PERMIT SET: 06/11/2026

LOCAL DESIGN REVIEW BOARD

RECORD DRAWING SET:

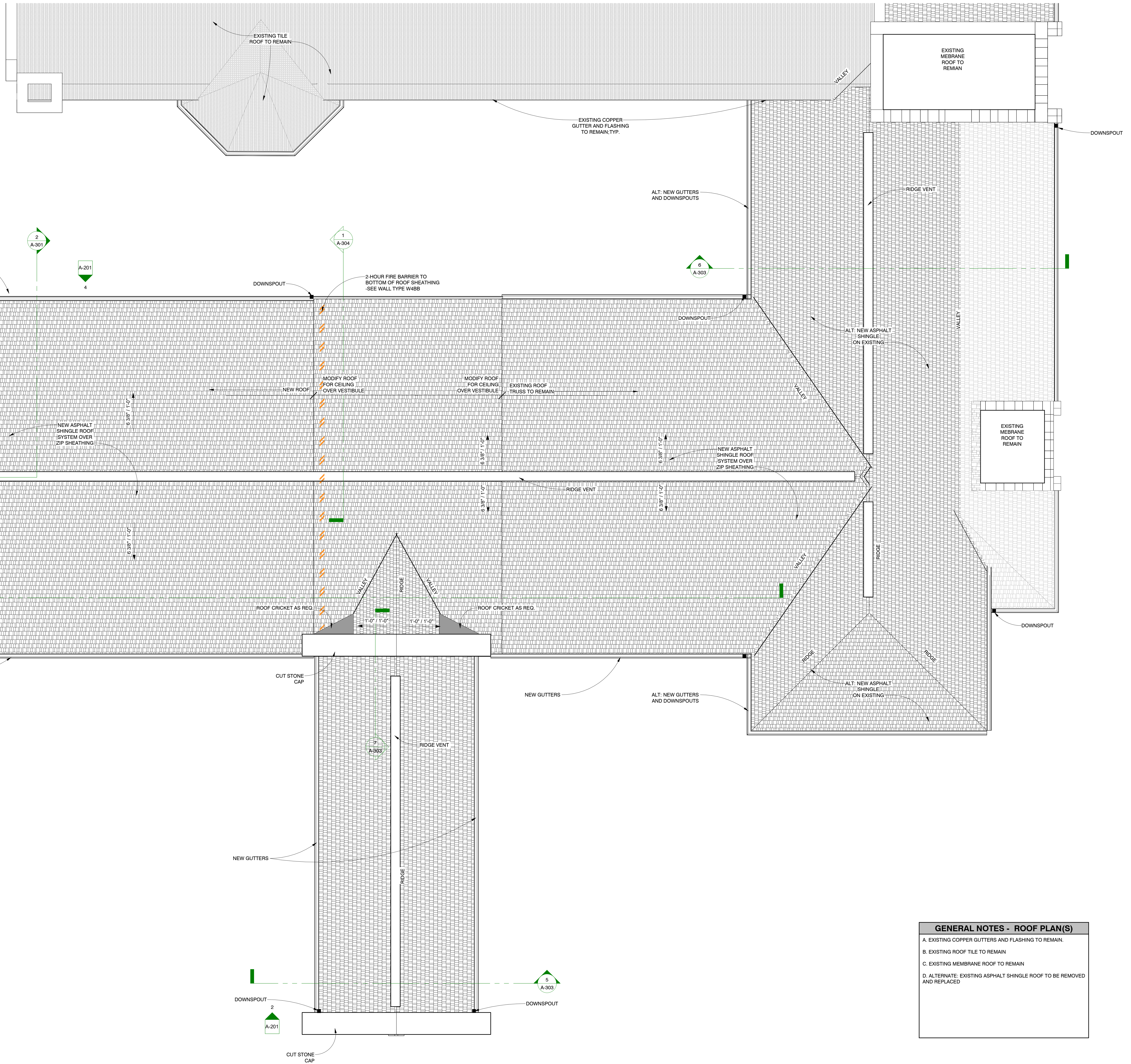
REVISIONS:

LEADERS

ENGINEERS

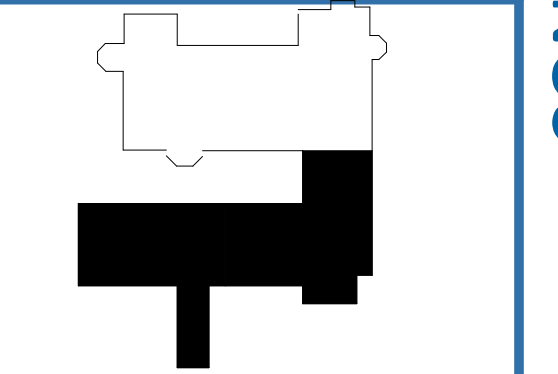
CONTRACTORS

ARCHITECTS



1 ROOF PLAN
1/4" = 1'-0"
NORTH

GENERAL NOTES - ROOF PLAN(S)
A. EXISTING COPPER GUTTERS AND FLASHING TO REMAIN.
B. EXISTING ROOF TILE TO REMAIN
C. EXISTING MEMBRANE ROOF TO REMAIN
D. ALTERNATE: EXISTING ASPHALT SHINGLE ROOF TO BE REMOVED AND REPLACED



PROJECT NAME:
ST. JOHN'S LUTHERAN CHURCH ADDITION

PROJECT DESCRIPTION:

PROJECT ADDRESS:
7809 HARWOOD AVE

CITY/STATE/ZIP:
WAUWATOSA, WISCONSIN 53213

ALL WORK TO BE COMPLETED AS SHOWN, AND IN ACCORDANCE WITH THE LATEST EDITION OF THE MSJ GENERAL MASTER SPECIFICATION

PROJECT ARCHITECT: xxx

STRUCTURAL ENGINEER: xxx

LANDSCAPE DESIGNER: xxx

DESIGN ARCHITECT: xxx

CHAIR ENGINEER: xxx

REVIEWER BY: xxx

SHEET TITLE:
ROOF PLAN

SHEET NUMBER:
A-141

PROJECT NUMBER:
P13586

DOOR & FRAME SCHEDULE

BLANK FIELDS ARE INTENTIONALLY BLANK AND ARE NON-APPLICABLE TO DOOR
* DOOR JAMB WIDTH INDICATES CUSTOM SIZE

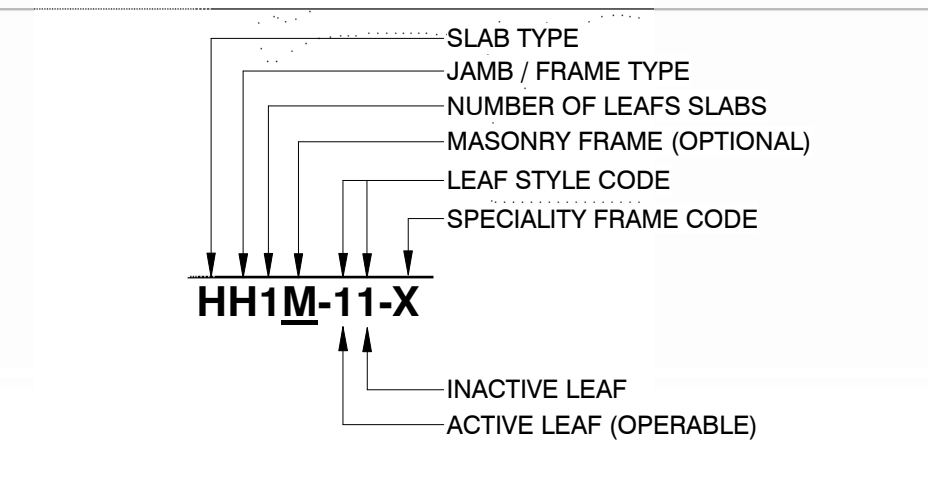
MARK	DOOR ELEV TYPE	DOOR										FRAME				TRANSO M		WOOD TRIM		HARDWAR E		LOCATION	COMMENTS	MARK
		DOOR OPENING	WIDTH	HEIGHT	THK.	U.C.	MATL.	FINISH	GLAZING SIZE	FRAME R.O.	FRAME JAMB	FRAME HEAD	JAMB DEPTH	FINISH	HEIGHT	TRIM MATL.	HARDWAR E GROUP	HARDWARE COMMENTS	FIRE RATING					
LOWER LEVEL FLOOR																								
009A	DO	GYPSUM WRAPPED OPENING	5'-4"	7'-0"																	EX HALL (000)HALL (009)	009A		
010	WH1-0	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	WD	STAIN		3'-4"	7'-2"	2"	2"	5 3/4"	PAINT	PAINT	SL-1				HALL (009) TO STORAGE (010)	010		
011	WH1-2	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	WD	STAIN	6" x 33"	3'-4"	7'-2"	2"	2"	5 3/4"	PAINT	PAINT	CL-1				HALL (009) TO MEETING (011)	011		
012	WH1-0	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	WD	STAIN		3'-4"	7'-2"	2"	2"	5 3/4"	PAINT	PAINT	SL-1		20 MIN.		TO STORAGE (012)	012		
013	WH1-0	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	WD	STAIN		3'-4"	7'-2"	2"	2"	5 3/4"	PAINT	PAINT	SL-1		20 MIN.		TO STORAGE (013)	013		
014	HH1M-0	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	HM	PAINT		3'-4"	7'-4"	2"	4"	5 3/4"	PAINT	PAINT	CL-2				MEETING ROOM (014) TO MEETING ROOM (014)	014		
014A	HH1M-1	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	HM	PAINT	4" x 25"	3'-4"	7'-4"	2"	4"	5 3/4"	PAINT	PAINT	CL-2				MEETING ROOM (014)	014A		
014B	DO	GYPSUM WRAPPED OPENING	6'-0"	7'-0"																	MEETING ROOM (014)	014B		
015B	WH2-00	DOUBLE DOOR	6'-0"	7'-0"	1 3/4"	3/4"	WD	STAIN		6'-4"	7'-2"	2"	2"	5 3/4"	PAINT	PAINT	SL-2			BALL AND CATCH W/ DUMMY LEVER	STOR. (015) TO MEETING ROOM (014)	015B		
015C	HH1M-0	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	HM	PAINT		3'-4"	7'-4"	2"	4"	5 3/4"	PAINT	PAINT	SL-3				MEETING ROOM (014) TO STOR. (014-A)	015C		
FIRST FLOOR																								
101A	AA1-M	STOREFRONT SWING	3'-0"	7'-0"	1 3/4"	3/4"	AL	PRE-FIN.	28" x 72"	3'-0"	7'-0"	2"	2"	4 1/2"	PRE-FIN.						STOREFRONT LOCK CYLINDER, PUSH BAR, STANDARD PULL	FROM EXTERIOR	101A	
101W	DO	GYPSUM WRAPPED OPENING	6'-0"	7'-0"																		101W		
101X	DO	GYPSUM WRAPPED OPENING	6'-0"	7'-0"																		101X		
104	DO	GYPSUM WRAPPED OPENING	5'-4"	7'-0"																		104		
105A	AA2-M	STOREFRONT SWING	6'-0"	8'-0"	1 3/4"	3/4"	AL	PRE-FIN.	(2) 28" x 85"	6'-0"	8'-0"	2"	2"	4 1/2"	PRE-FIN.						STOREFRONT LOCK CYLINDER, PUSH BAR, STANDARD PULL	FROM EXTERIOR	105A	
105B	AA2-M	STOREFRONT SWING	6'-0"	7'-0"	1 3/4"	3/4"	AL	PRE-FIN.	(2) 28" x 73"	6'-0"	7'-0"	2"	2"	4 1/2"	PRE-FIN.						PUSH BAR AND STANDARD PULL	GATHERING (104) FROM EXTERIOR/LOBBY (105)	105B	
105M	FC-FM-2H	OVERHEAD FIRE CURTAIN	4'-0"	4'-4"	1/4"		FABRI C	MANU. C		4'-0"	4'-4 1/4"			1'-1 5/8"	PAINT							LOBBY (105)/RECEP. (110)	105M	
106	WH1-0	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	WD	STAIN		3'-4"	7'-2"	2"	2"	5 3/4"	PAINT	PAINT	PS-1				TO WOMEN (106)	106		
107	WH1-0	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	WD	STAIN		3'-4"	7'-2"	2"	2"	5 3/4"	PAINT	PAINT	PS-1				TO MEN (107)	107		
109	HH1M-1	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	HM	PAINT	4" x 25"	3'-4"	7'-2"	2"	2"	5 3/4"	PAINT	PAINT	OF-2		90 MIN.		CORRIDOR (109) TO GATHERING (104)	109		
110A	DO	GYPSUM WRAPPED OPENING	4'-0"	7'-0"																	CORRIDOR (109)/RECEP. (110)	110A		
110B	DO	GYPSUM WRAPPED OPENING	6'-0"	7'-0"																	COPY (112)/RECEP. (110)	110B		
111	DO	GYPSUM WRAPPED OPENING	4'-0"	7'-0"																	CORRIDOR (109)/WORK (111)	111		
112	WH1-2	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	WD	STAIN	6" x 33"	3'-4"	7'-2"	2"	2"	5 3/4"	PAINT	PAINT	PS-2				CORRIDOR (109) TO COPY (112)	112		
113	WH1-2	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	WD	STAIN	6" x 33"	3'-4"	7'-2"	2"	2"	5 3/4"	PAINT	PAINT	PS-2				CORRIDOR (109) TO CONFERENCE (113)	113		
114	WH1-2	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	WD	STAIN	6" x 33"	3'-4"	7'-2"	2"	2"	5 3/4"	PAINT	PAINT	OF-1				CORRIDOR (109) TO OFFICE (114)	114		
115	WH1-2	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	WD	STAIN	6" x 33"	3'-4"	7'-2"	2"	2"	5 3/4"	PAINT	PAINT	OF-1				CORRIDOR (109) TO OFFICE (115)	115		
116	WH1-2	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	WD	STAIN	6" x 33"	3'-4"	7'-2"	2"	2"	5 3/4"	PAINT	PAINT	OF-1				CORRIDOR (109) TO OFFICE (116)	116		
117	WH1-2	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	WD	STAIN	6" x 33"	3'-4"	7'-2"	2"	2"	5 3/4"	PAINT	PAINT	OF-1				CORRIDOR (109) TO OFFICE (117)	117		
118	WH1-2	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	WD	STAIN	6" x 33"	3'-4"	7'-2"	2"	2"	5 3/4"	PAINT	PAINT	OF-1				CORRIDOR (109) TO OFFICE (118)	118		
119	WH1-0	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	WD	STAIN		3'-4"	7'-2"	2"	2"	5 3/4"	PAINT	PAINT	SL-1				CORRIDOR (109) TO STOR. (119)	119		
120	HH1M-2	SINGLE DOOR	3'-0"	7'-0"	1 3/4"	3/4"	HM	PAINT	6" x 33"	3'-4"	7'-4"	2"	4"	5 3/4"	PAINT	PAINT	EN-1				TO	120		
120B	DO	GYPSUM WRAPPED OPENING	4'-0"	6'-0"																	CORRIDOR (109)/STAIR (120)	120B		
120C	DO	GYPSUM WRAPPED OPENING	4'-0"	6'-0"																	CORRIDOR (109)	120C		

DOOR HARDWARE SCHEDULE

HARDWAR E GROUP	COUN T	DOOR TYPE	DOOR TYPE	STYLE	FRAME ELEV. TYPE	LOCKSET	CLOSER (I)	KICKPLATES		ACTIVE PULL SIDE	ACTIVE PUSH SIDE	INACTIVE PULL SIDE	INACTIVE PUSH SIDE	HINGE SWIN G	DOOR GLAZING SIZE (I) H x W	SECURITY	ACCESSORY	SEALS	HARDWARE COMMENTS	
								PUSH (I) H x W	PUSH (I) H x W											
1	1	HH1M-0	SINGLE DOOR	SWING	H3884-M	PS-PASSAGE	HM			LEVER - CYLINDRICAL	LEVER - CYLINDRICAL	--	--	90.00"						
CL-1	1	WH1-2	SINGLE DOOR	SWING	H3884	CL-CLASSROO M	--			LEVER - CYLINDRICAL	LEVER - CYLINDRICAL	--	--	90.00"	6" x 33"					
CL-2	1	HH1M-1	SINGLE DOOR	SWING	H3884-M	CL-CLASSROO M	--			LEVER - CYLINDRICAL	LEVER - CYLINDRICAL	--	--	90.00"	4" x 25"					
EN-1	1	HH1M-2	SINGLE DOOR	SWING	H3884-M	EN-ENTRANCE	HM			LEVER - CYLINDRICAL	LEVER - CYLINDRICAL	--	--	90.00"	6" x 33"					
OF-1	5	WH1-2	SINGLE DOOR	SWING	H3884	OF-ENTRANCE /OFFICE	--			LEVER - CYLINDRICAL	LEVER - CYLINDRICAL	--	--	90.00"	6" x 33"					
OF-2	1	HH1M-1	SINGLE DOOR	SWING	H3884-M	OF-ENTRANCE /OFFICE	--			LEVER - CYLINDRICAL	LEVER - CYLINDRICAL	--	--	90.00"	4" x 25"					
PS-1	2	WH1-0	SINGLE DOOR	SWING	H3884	PP-PUSH PULL	HM			EXIT DEVICE - PULL PLATE - DUMMY TRIM	PUSH PLATE - PLATE ONLY	--	--	90.00"						
PS-2	2	WH1-2	SINGLE DOOR	SWING	H3884	PS-PASSAGE	--			LEVER - CYLINDRICAL	LEVER - CYLINDRICAL	--	--	90.00"	6" x 33"					
SL-1	4	WH1-0	SINGLE DOOR	SWING	H3884	SL-STORE ROOM	--			LEVER - CYLINDRICAL	LEVER - CYLINDRICAL	--	--	90.00"						
SL-2	1	WH2-00	DOUBLE DOOR	SWING	H7284	PS-PASSAGE	--			LEVER - CYLINDRICAL	LEVER - CYLINDRICAL	LEVER - CYLINDRICAL	LEVER - CYLINDRICAL	90.00"						BALL AND CATCH W/ DUMMY LEVER
SL-3	1	HH1M-0	SINGLE DOOR	SWING	H3884-M	SL-STORE ROOM	--			LEVER - CYLINDRICAL	LEVER - CYLINDRICAL	--	--	90.00"						

DOOR AND FRAME LEGEND

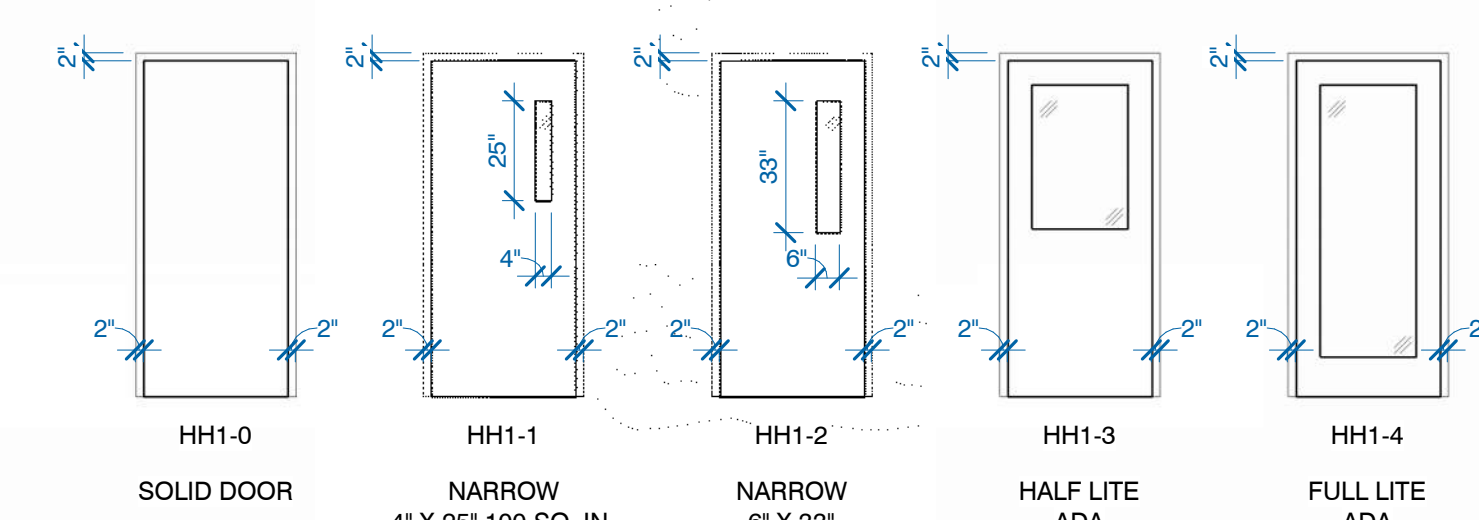
GRAPHIC LEGEND



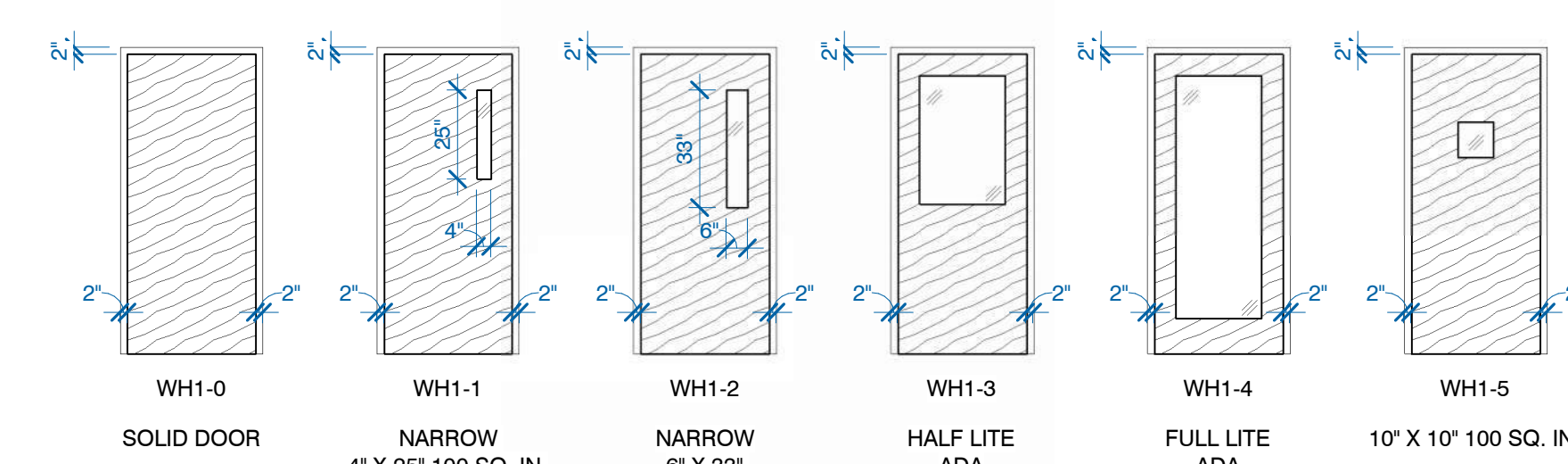
DOOR AND FRAME TYPE KEY

- OPENINGS**
DO - DRYWALL DOOR OPENING
WCO - WOOD CASED DOOR OPENING
HCO - H.M. CASED FRAMED OPENING
- STANDARD DOOR TYPES**
AA - ALUMINUM DOOR & FRAME (STORE FRONT)
HH - H.M. DOOR & FRAME
WH - WOOD DOOR & H.M. FRAME
WW - WOOD DOOR & WOOD FRAME
FF - FIBERGLASS DOOR & FRAME
- SPECIALTY CODE**
H - HOSPITAL STOP FRAME
DE - DOUBLE EGRESS DOOR
- SPECIALTY DOOR TYPES**
FS - ROLLING FIRE SHUTTER DOOR
SD - HIGH SPEED DOOR
TR - TRAFFIC DOOR & METAL / SS FRAME

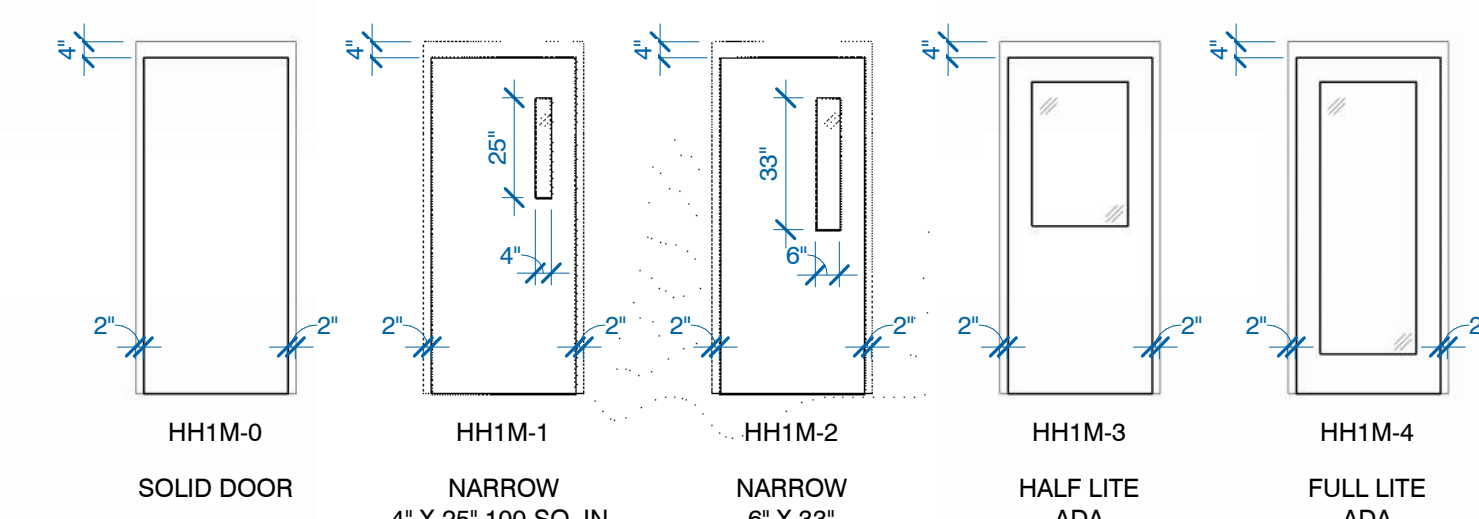
HOLLOW METAL DOOR & FRAME



WOOD DOOR & HOLLOW METAL FRAME



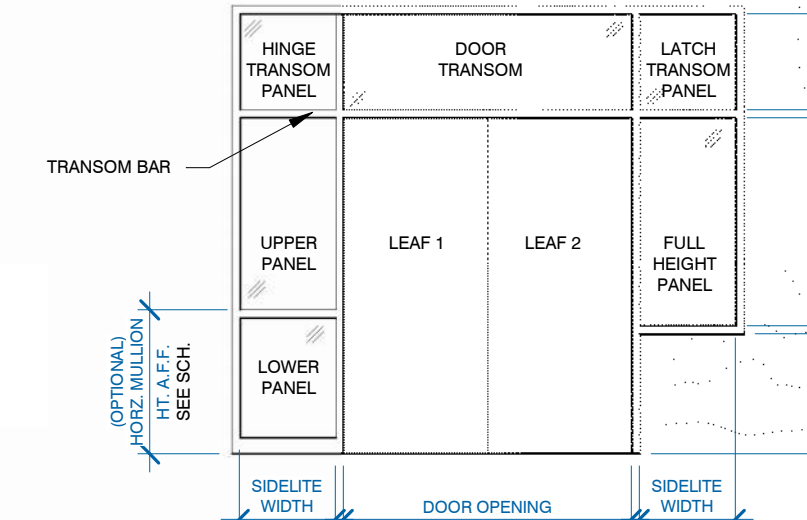
HOLLOW METAL DOOR & FRAME - MASONRY FRAME 4" HEAD



DOUBLE WOOD DOOR & HOLLOW METAL FRAME



SIDELITES AND TRANSOMS LEGEND



DOOR STYLES

GLAZING	CODE	SIZE	DESCRIPTION	GARAGE DOORS	CODE	DESCRIPTION
0			NO GLAZING	0		NO GLASS
1		4" x 25"	NARROW	1		24"X9" WIN.
2		6" x 33"	NARROW - ADA	2		24"X12" WIN.
3		(PER DOOR SIZE)	1/2 GLASS - ADA	3		34"X16" WIN.
4		(PER DOOR SIZE)	FULL GLASS - ADA	4		FULL GLASS
5		10"X10"	VIEWER	5		USER DEFINED
6			USER DEFINED	6		USER DEFINED
7			USER DEFINED	7		USER DEFINED
8			USER DEFINED	8		USER DEFINED
9			USER DEFINED	9		USER DEFINED

DOOR AND FRAME LEGEND

GRAPHIC LEGEND	DOOR AND FRAME TYPE KEY	SECTIONAL DOOR TYPES	SWING DOORS - LEAF STYLE CODES	OVERHEAD DOORS	LOCKSET SCHEDULE KEY	CLOSER SCHEDULE KEY																																							
<p>DOOR SLAB TYPE JAMB / FRAME TYPE NUMBER OF LEAF SLABS MASONRY FRAME (OPTIONAL) LEAF STYLE CODE SPECIALTY FRAME CODE</p> <p>INACTIVE LEAF ACTIVE LEAF (OPERABLE)</p>	<p>OPENINGS DO - DRYWALL DOOR OPENING WCO - WOOD CASED DOOR OPENING HCO - H.M. CASED FRAMED OPENING</p> <p>STANDARD DOOR TYPES AA - ALUMINUM DOOR & FRAME (STORE FRONT) HH - H.M. DOOR & FRAME WH - WOOD DOOR & H.M. FRAME WW - WOOD DOOR & WOOD FRAME FF - FIBERGLASS DOOR & FRAME</p> <p>SPECIALTY CODE H - HOSPITAL STOP FRAME DE - DOUBLE EGRESS DOOR</p>	<p>SECTIONAL DOOR TYPES SI - STEEL SECTIONAL INSULATED PANEL DOOR AG - ALUMINUM & GLASS SECTIONAL PANEL</p> <p>SPECIALTY DOOR TYPES FS - ROLLING FIRE SHUTTER DOOR CD - COIL DOOR SD - HIGH SPEED DOOR TR - TRAFFIC DOOR & METAL / SS FRAME</p>	<p>DOOR STYLES</p> <table border="1"> <thead> <tr> <th>GLAZING</th> <th>CODE</th> <th>SIZE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>0</td><td></td><td></td><td>NO GLAZING</td></tr> <tr><td>1</td><td></td><td>4" x 25"</td><td>NARROW</td></tr> <tr><td>2</td><td></td><td>6" x 33"</td><td>NARROW - ADA</td></tr> <tr><td>3</td><td></td><td>(PER DOOR SIZE)</td><td>1/2 GLASS - ADA</td></tr> <tr><td>4</td><td></td><td>(PER DOOR SIZE)</td><td>FULL GLASS - ADA</td></tr> <tr><td>5</td><td></td><td>10"X10"</td><td>VIEWER</td></tr> <tr><td>6</td><td></td><td></td><td>USER DEFINED</td></tr> <tr><td>7</td><td></td><td></td><td>USER DEFINED</td></tr> <tr><td>8</td><td></td><td></td><td>USER DEFINED</td></tr> <tr><td>9</td><td></td></tr></tbody></table>	GLAZING	CODE	SIZE	DESCRIPTION	0			NO GLAZING	1		4" x 25"	NARROW	2		6" x 33"	NARROW - ADA	3		(PER DOOR SIZE)	1/2 GLASS - ADA	4		(PER DOOR SIZE)	FULL GLASS - ADA	5		10"X10"	VIEWER	6			USER DEFINED	7			USER DEFINED	8			USER DEFINED	9	
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