

# STORAGE FACILITY

LA CROSSE, WISCONSIN

ISG PROJECT # 16-18855



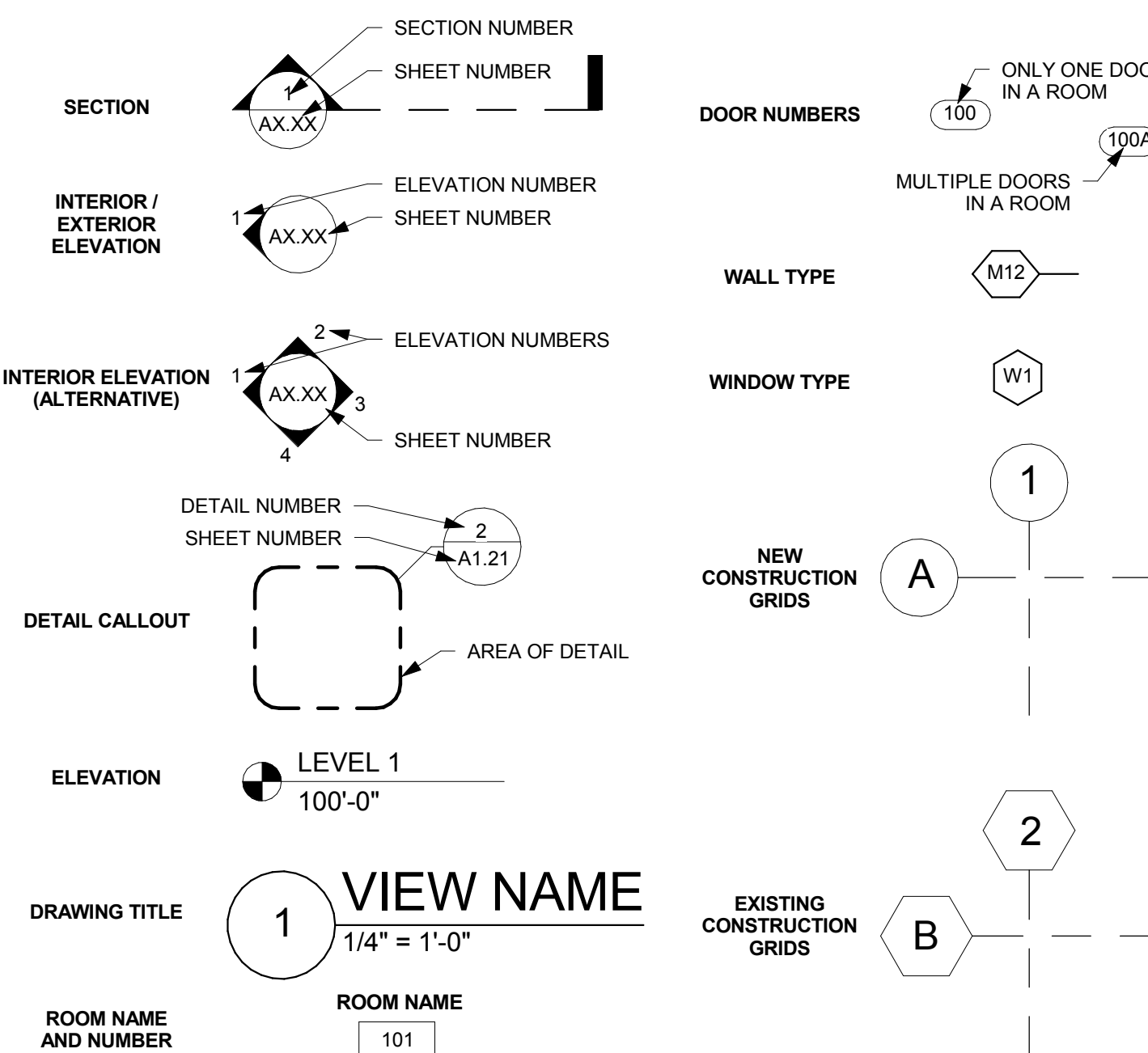
## ABBREVIATIONS

#	POUND OR NUMBER	EXP	EXPANSION	NA	NOT APPLICABLE	TP	TOILET PARTITION
@	AT	EXT	EXTERIOR	NTS	NOT TO SCALE	TR	TRANSFORMER
A.C.T.	ACUSTICAL CEILING TILE	FA	FURNISH AND INSTALL	OC / O.C.	ON CENTER	TRF	TUBE STEEL / THRESHOLD / TRANSITION STRIP
ADA	AMERICANS WITH DISABILITIES ACT	FAAP	FIRE ALARM ANNUNCIATOR PANEL	OC/EV / O.C.E.V.	ON CENTER EACH WAY	TV	TELEVISION
ADD	ADDENDUM	FACP	FIRE ALARM CONTROL PANEL	OD	OUTSIDE DIAMETER	TYP	TYPICAL
ADDL	ADDITIONAL	FD	FLOOR DRAIN	OH	OVERHEAD	UH	UNIT HEATER
ADJ	ADJACENT	FE	FIRE EXTINGUISHER	OL	OVERALL LENGTH	UNO	UNLESS NOTED OTHERWISE
AFF	ABOVE FINISH FLOOR	FEC	FIRE EXTINGUISHER CABINET	OPNG	OPENING	VCT	VINYL COMPOSITE TILE
AHJ	AIR HANDLING UNIT	FF	FLOOR FINISH	OSB	ORIENTED STRAND BOARD	VERT	VERTICAL
ALT	ALTERNATE	FFE	FINISHED FLOOR ELEVATION	PC	PHOTO CELL	VEST	VESTIBULE
ALUM	ALUMINUM	FRP	FIBERGLASS REINFORCED PLASTIC	PLM	PLUM	VF	VENT IN FIELD
APPROX	APPROXIMATELY	FRZ	FREEZER	PLWP	PLASTIC LAMINATE WALL PANEL	VTR	VENT THROUGH ROOF
ARCH	ARCHITECTURAL	FT	FOOT OR FEET	PNT	PAINT	WFP	WEMBER WALL PANEL
BD	BOARD	FTG	FOOTING	POLY	POLYETHYLENE	WI	WITH
BLOG	BUILDING	GA	GAGE	POLYETH	POLYETHYLENE	WID	WITHOUT
BO	BOTTOM OF	GALV	GALVANIZED	POLYISO	POLYISOCYANURATE	WC	WATER CLOSET
BRG	BEARING	GALV	GALVANIZED	PRV	POWER ROOF VENTILATOR	WCG	WALL COVERING
BSMT	BASEMENT	GC	GENERAL CONTRACTOR	PVC	POLYVINYL CHLORIDE	WD	WOOD
CG	CORNER GUARD	GFCI	GROUND FAULT CIRCUIT INTERRUPT	QTZ	QUARTZ	WF	WALL FINISH
CL	CAST IN PLACE	GLZ	GLAZING	RA	RETURN AIR	WG	WALL GUARD
CJ	CONTROL JOINT	GYP	GYPSON	RB	RESISTENT BASE	WH	WALL HYDRANT
CL	CENTERLINE	HD	HUB DRAIN	RBR	RUBBER	WHR	WATER HEATER
CLG	CEILING	HW	HARDWARE	RCP	REFLECTED CEILING PLAN	WP	WEATHERPROOF (ELEC)
CLR	CLEAR	HM	HOLLOW METAL	RD	ROOF DRAIN	WWF	WELDED WIRE FABRIC
CM	CORRUGATED METAL	HORIZ	HORIZONTAL	REF	REFRIGERATOR		
CMU	CONCRETE MASONRY UNIT	HSS	HOLLOW STRUCTURAL SECTION	REIN	REINFORCED		
CO	CLEANOUT	HT	HEIGHT	REQD	REQUIRED		
CONC	CONCRETE	HVAC	HEATING VENTILATION AND AIR CONDITIONING	REV	REVISION / REVISED		
CONF	CONFERENCE	ID	INSIDE DIAMETER	RF	ROOM		
CONT	CONTINUOUS	IG	ISOLATED GROUND	RFP	ROUGH OPENING		
COT	CORSET	INFO	INFORMATION	RO	ROUGH OPENING		
CR	CHAR RAIL	INP	IN-PLACE	ROW / RW	RIGHT OF WAY		
CRK	CORNER	INSUL	INSULATION	RTU	ROOF TOP UNIT		
CT	CERAMIC TILE	INT	INTERIOR	SA	SUPPLY AIR		
CT	CURB YARD	JAN	JANITOR	SC	SEALED CONCRETE		
DEMO	DEMOLITION	JST	JOIST	SQ	SQUARE FOOT		
DF	DRINKING FOUNTAIN	LAV	LAVATORY	SM	SIMILAR		
DH	DOOR HOLDER (MAGNETIC)	LB	POUND	SM	SURFACE MOUNTED		
DK	DIAMETER	LLH	LONG LEG HORIZONTAL	SPEC	SPECIFICATION		
EA	EACH	LLV	LONG LEG VERTICAL	SS	SOLID SURFACE		
EF	EXHAUST FAN	LSGL	LONG LEG VERTICAL	STL	STAINLESS STEEL		
EFS	EXTERIOR INSULATION FINISH SYSTEM	LVT	LUXURY VINYL TILE	STD	STANDARD		
ELEC	ELECTRICAL	MATL	MATERIAL	STN	STONE		
ELEV	ELEVATION	MAX	MAXIMUM	STR	STORAGE		
EMERG	EMERGENCY	MECH	MECHANICAL	SUSP	SUSPENDED		
ENCL	ENCLOSURE	MEZZ	MEZZANINE	SV	SHEET VINYL		
EPDM	ETHYLENE PROPYLENE DIENE MONOMER	MFR	MANUFACTURER	SV	SQUARE YARDS		
EPK	EPOXY	MH	MANHOLE	TAG	TONGUE AND GROOVE		
EQ	EQUAL	MIMM	MISCELLANEOUS	T&P	TEMPERATURE AND PRESSURE		
EQUIP	EQUIPMENT	MISC	MISCELLANEOUS	TEL	TELEPHONE		
ETC	ETCETERA	MO	MASONRY OPENING	TEMP	TEMPERATURE		
EW	ELECTRIC WATER COOLER	MTD	MOUNTED	TER	TERRAZZO		
EX	EXISTING	MULL	MULLION	TO	TOP OF		

## MATERIALS KEY

	BATT INSULATION
	BRICK
	CONCRETE (SECTION)
	CMU (SECTION)
	EARTH
	GRANULAR FILL
	GRAVEL
	GYPSON BOARD OR SHEATHING
	RIGID INSULATION
	PLYWOOD
	SAND
	STEEL
	SYNTHETIC STUCCO
	WOOD

## TAGS AND SYMBOLS



## SHEET INDEX

SHEET #	SHEET TITLE
G1-11	TITLE SHEET, SHEET INDEX, PROJECT GENERAL NOTES
C0-10	SPECIFICATIONS AND NOTES
C0-20	SITE DETAILS
C0-30	SITE DETAILS
C0-40	SITE DETAILS
C1-10	EROSION CONTROL PLAN EXISTING CONDITIONS
C1-20	EROSION CONTROL PLAN PROPOSED CONDITIONS
C1-30	EROSION CONTROL DETAILS AND SPECIFICATIONS
C2-10	EXISTING SITE AND REMOVAL PLAN
C3-10	PROPOSED SITE PLAN
C3-20	PROPOSED SITE UTILITY PLAN
C4-10	GRADING PLAN
C5-10	TRAFFIC CONTROL PLAN
C6-10	SITE RESTORATION PLAN
A1-21	FLOOR PLAN
A1-22	CLEARSTOREY PLAN
A2-11	EXTERIOR ELEVATIONS
A3-11	BUILDING SECTIONS
A4-11	DOOR SCHEDULE, DOOR AND FRAME TYPES
E1-10	PHOTOMETRIC PLAN
E1-20	LIGHTING DETAILS

## PROJECT GENERAL NOTES

- ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER- CONTRACTOR AGREEMENT, THE PROJECT MANUAL (WHICH INCLUDES GENERAL AND SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS), DRAWINGS OF ALL DISCIPLINES AND ALL ADDENDA, MODIFICATIONS AND CLARIFICATIONS ISSUED BY THE ARCHITECT / ENGINEER.
- CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK. CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND CORRELATING QUANTITIES AND DIMENSIONS.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN. WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECT / ENGINEER BEFORE PROCEEDING WITH THE WORK.
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- LARGE-SCALE, MORE SPECIFIC DETAILS TAKE PRECEDENCE OVER SMALLER-SCALE, LESS SPECIFIC DETAILS AND INFORMATION. MORE STRINGENT REQUIREMENTS FOR CODE, PRODUCTS AND INSTALLATION TAKE PRECEDENCE OVER LESS STRINGENT REQUIREMENTS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- PROVIDE CONTINUOUS SEALANT AROUND ALL MATERIALS AT EXTERIOR WALL PENETRATIONS. REFER TO SPECIFICATIONS FOR APPROPRIATE SEALANT.
- ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
- SEAL ALL OPENINGS IN WALLS, FLOORS, CEILINGS, AND ROOFS, AROUND DUCTS, PIPES, VENTS, TRAPS, CONDUIT AND ALL OTHER PENETRATIONS WITH FIRESTOPPING AS SPECIFIED AND REQUIRED BY CODES.
- PROVIDE SOLID WALL BACKING WITH METAL OR FIRE-RETARDANT WOOD BLOCKING BEHIND DOOR HARDWARE SUCH AS WALL STOPS, BUMPERS, HOLD OPENS, ETC.

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PROJECT

## LA CROSSE FIRE DEPARTMENT STORAGE FACILITY

LA CROSSE WISCONSIN

REVISION SCHEDULE		
NO	DATE	DESCRIPTION

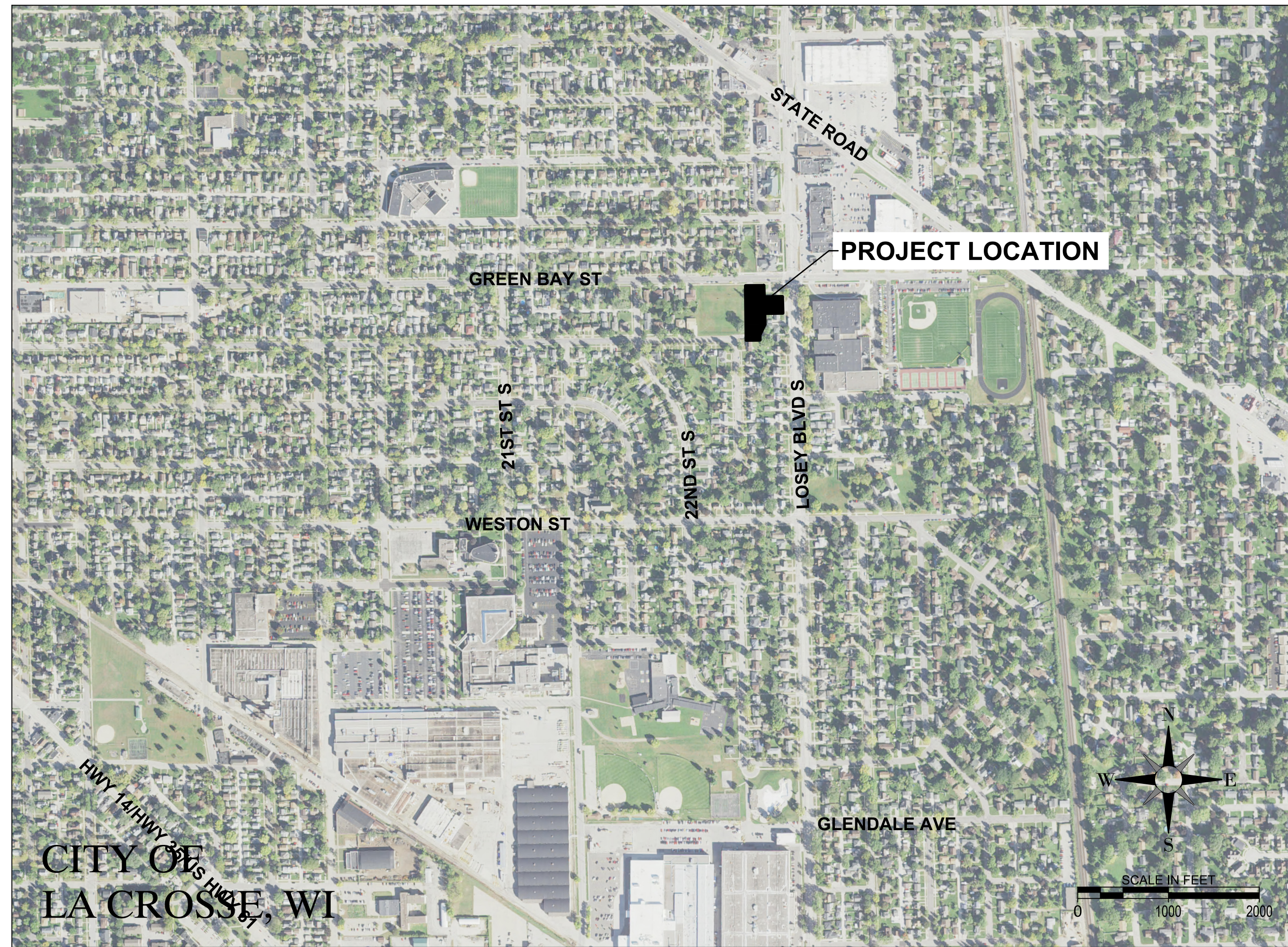
PROJECT NO.	18855
FILE NAME	18855 Arch R16.rvt
DRAWN BY	RRW
DESIGNED BY	KMB
REVIEWED BY	KMB
ORIGINAL ISSUE DATE	1/06/2017
CLIENT PROJECT NO.	

## TITLE SHEET, SHEET INDEX, PROJECT GENERAL NOTES

SHEET **G1-11**

## PROJECT INDEX:

<b>OWNER:</b> CITY OF LA CROSSE FIRE DEPARTMENT 726 5TH AVE SOUTH LA CROSSE, WI 54601 608-789-7261	<b>PROJECT ADDRESS:</b> LA CROSSE FIRE DEPARTMENT STORAGE FACILITY 726 5TH AVE SOUTH LA CROSSE, WI 54601	<b>MANAGING OFFICE:</b> LA CROSSE OFFICE 201 MAIN STREET SUITE 1020 LA CROSSE, WI 54601 PHONE: 608.789.2034 PROJECT MANAGER: NICK ELLENBERGER EMAIL: nick.ellenberger@is-grp.com	<b>TITLE SHEET, SHEET INDEX, PROJECT GENERAL NOTES</b> SHEET <b>G1-11</b>
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**LOCATION MAP**

**SITE WORK SPECIFICATION**

**1 GENERAL:**

- 1.1 SCOPE OF THE WORK - Shall consist of the following:
  - A. Site Work, including excavation and grading, storm sewer, sanitary sewer services, water services, base aggregate dense, HMA pavement, concrete apron, curb and gutter, concrete sidewalk, stormwater management, landscaping, and other incidental items.
- 1.2 SPECIFICATIONS WHICH APPLY - Includes, but is not limited to the following:
  - A. State Building Code.
  - B. General Conditions, General Requirements, City of La Crosse Standard Specifications, current edition, WisDOT "Standard Specifications", 2017 edition, WisDOT Construction and Materials Manual, Current Edition, Wisconsin Department of Safety and Professional Services State Plumbing Code, and these specifications.

**2 SITE WORK:**

- 2.1 GENERAL - The scope of the work will include excavation and grading of building pads, parking areas, and landscaped areas; construction of storm drains, sanitary sewer services and water services; installation of base aggregate dense, HMA pavement, private concrete driveways, concrete curb and gutter, erosion control, landscaping, and other incidental items.
- 2.2 CLEARING AND GRUBBING - All clearing and grubbing shall be considered incidental.
- 2.3 GRADING:
  - A. Work Shall Include - Stripping and removal of topsoil and unsuitable soils; installation of engineered fill; and regrading of site to indicated grades.
  - B. The Contractor shall maintain drainage through the project area at all times. All materials, piping, pumping, equipment, and labor necessary to maintain drainage (dewatering) shall be considered incidental to the project, unless otherwise specified.
  - C. Topsoil and unsuitable soils in the building area shall be excavated to the depths indicated in the Soils Report. The subgrade shall be examined by a soils engineer prior to placement of fill. The excavation shall be maintained free of water at all times.
  - D. Topsoil in the areas under the proposed parking shall be excavated to a minimum depth of 1'-6". Areas found to have unsuitable soils within the upper 3' of subgrade shall be excavated to remove the unsuitable soils and the subgrade shall be prepared in accordance with WisDOT Sections 205 and 207 and as directed in the Soils Report.
  - E. The building area shall be filled to the bottom of the floor slab section using non-organic suitable onsite material or borrow meeting the requirements of WisDOT Section 208. Fill shall be placed and compacted as directed in the Soils Report.
  - F. Where required, the grade shall be raised to the bottom of the pavement section, using non-organic suitable onsite material or borrow meeting the requirements of WisDOT Section 208. The material shall be placed and compacted in 8" lifts. Compaction shall be by standard compaction methods, in accordance with WisDOT Section 207.3.6 and as indicated in the Soils Report.

- G. Salvaged material shall be used to fill grassed areas, as required, leaving room for 0'-6" minimum of topsoil in the landscaped areas. Unsuitable materials such as rocks, boulders, tree roots, etc. shall be removed from the backfill material and disposed of off site.
  - H. Topsoil shall be spread, to a minimum depth of 0'-6", over all areas to be sodded or landscaped and shall be graded to the contours shown on the plans, allowing room for any landscaping mulch. See Landscaping plan & specifications.
  - I. All testing during fill placement shall be the responsibility of the contractor.
- 2.4 SANITARY SEWER:**
- A. Work shall include construction of sanitary sewer services as specified in the City of La Crosse Standard Specifications: Construction of Sewers.
- 2.5 WATER MAIN:**
- A. Work shall include the construction of water services as shown on the plans and as specified in the City of La Crosse Standard Specification: Water Main Construction.
- 2.6 STORM DRAINS:**
- A. Work shall include construction of storm drain catch basins, manholes, and pipe as shown on plans and as specified in the City of La Crosse Standard Specification: Construction of Sewers.
- 2.7 CONCRETE WALK:**
- A. Work shall include installation of sidewalk foundation material and Sidewalk as specified in the City of La Crosse Standard Specification: Sidewalks.
- 2.8 CONCRETE DRIVEWAYS:**
- A. Work shall include placement of Base Aggregate and Concrete Paving as specified in the City of La Crosse Standard Specification: Concrete Curb & Gutter-Private & Alley Driveways.
- 2.90 HMA Pavement**
- A. Working shall include preparation of subgrade, installation of base course, and Bituminous Concrete pavement as specified in the City of La Crosse Standard Specifications: Bituminous Concrete Paving.
- 2.10 SOIL CAPACITY:**
- A. Assumed soil bearing capacity - 4000 PSF.
- 2.11 EPOXY STRIPING, MARKINGS & SIGNAGE:**
- A. Epoxy shall conform to WisDOT Section 646.
  - B. The surface of the parking lot shall be clean and dry, and the air temperature shall be above 50 deg. F.
  - C. H.C. Signs shall be installed where shown on plans and shall conform to the A.D.A.
  - D. Traffic Control signs shall be installed where shown on plans and conform to the MUTCD.
- 2.12 EROSION CONTROL:**
- A. See Erosion Control Plan
- 2.13 LANDSCAPING:**
- A. See Restoration plans and details.



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4. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
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7. ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
8. THE LOCATION AND TYPE OF ALL INPLACE UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF I & S GROUP, INC. (ISG). NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS AND ELEVATIONS OF ALL INPLACE UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
9. THE CONTRACTOR IS TO CONTACT "DIGGERS HOTLINE" FOR UTILITY LOCATIONS, A MINIMUM OF 3 FULL BUSINESS DAYS PRIOR TO ANY EXCAVATION / CONSTRUCTION (811 OR 1-800-242-8511).

**SITE SUMMARY**

ADDRESS:  
1710 LOSEY BLVD S  
LA CROSSE, WI 54601

ZONE: PUBLIC & SEMI-PUBLIC

SITE AREA = 0.88 AC  
EXISTING BUILDING AREA = 6,873 SF  
NEW BUILDING AREA = 5,020 SF  
TOTAL BUILDING AREA = 11,893 SF

**PARKING STALLS**

	STALLS REQUIRED	STALLS PROVIDED
PROPOSED STALLS	10	10

**HANDICAPPED ACCESSIBLE**

	1	1
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**SETBACK REQUIREMENTS**

	PARKING	BUILDING
FRONT YARD	5'	10'
REAR YARD	5'	10'
SIDE YARD	5'	10'



**LEGEND**

EXISTING	PROPOSED
SECTION LINE	LOT LINE
QUARTER SECTION LINE	RIGHT OF WAY
RIGHT OF WAY LINE	EASEMENT
PROPERTY / LOTLINE	CULVERT
EASEMENT LINE	STORM SEWER
ACCESS CONTROL	STORM SEWER (PIPE WIDTH)
WATER EDGE	SANITARY SEWER
WETLAND BOUNDARY	SANITARY SEWER (PIPE WIDTH)
WETLAND / MARSH	WATER
FENCE LINE	OVERHEAD ELECTRIC
CULVERT	UNDERGROUND ELECTRIC
STORM SEWER	UNDERGROUND TV
SANITARY SEWER	GAS
SANITARY SEWER FORCEMAIN	CONTOUR
WATER	MANHOLE
UNDERGROUND TELEPHONE	CATCH BASIN
OVERHEAD ELECTRIC	HYDRANT
UNDERGROUND ELECTRIC	VALVE
UNDERGROUND TV	
GAS	
UNDERGROUND FIBER OPTIC	
CONTOUR (MAJOR)	
CONTOUR (MINOR)	
DECIDUOUS TREE	
CONIFEROUS TREE	
TREE LINE	
MANHOLE/STRUCTURE	
CATCH BASIN	
HYDRANT	
VALVE	
CURB STOP	
POWER POLE	
UTILITY PEDESTAL / CABINET	

PROJECT

**LA CROSSE FIRE DEPARTMENT STORAGE FACILITY**

LA CROSSE WISCONSIN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	16-18855
FILE NAME	18855 CO-DETAILS
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	WAK
ORIGINAL ISSUE DATE	1/06/2017
CLIENT PROJECT NO.	-

TITLE

**SPECIFICATIONS & NOTES**

SHEET

**C0-10**

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PROJECT

**LA CROSSE FIRE DEPARTMENT STORAGE FACILITY**

LA CROSSE WISCONSIN

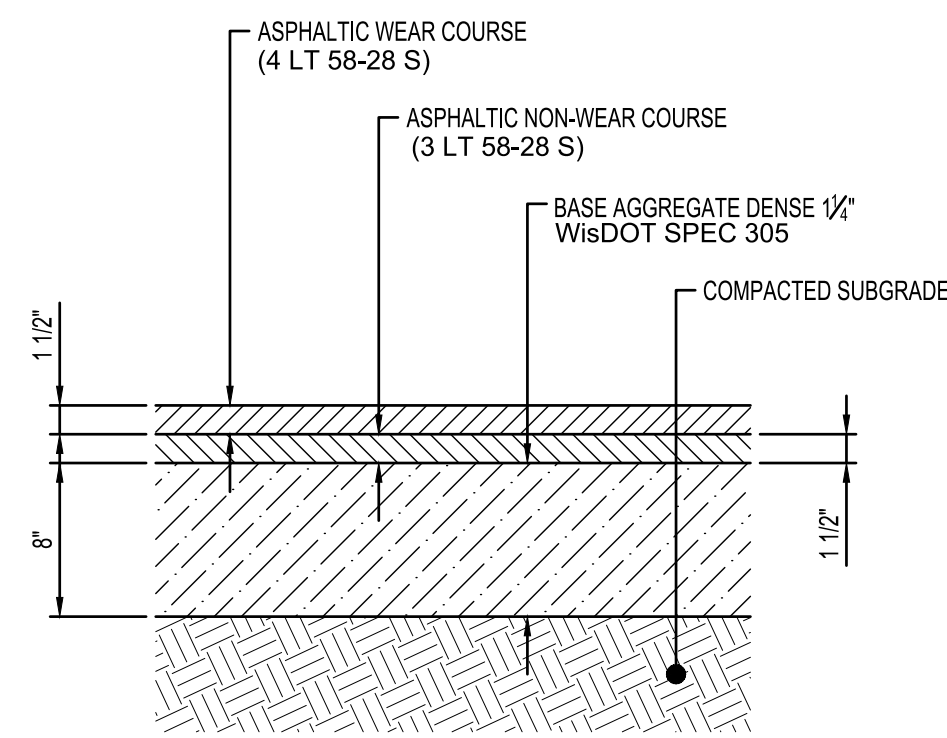
REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	16-18855
FILE NAME	18855 CO-DETAILS
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	WAK
ORIGINAL ISSUE DATE	1/06/2017
CLIENT PROJECT NO.	-

TITLE

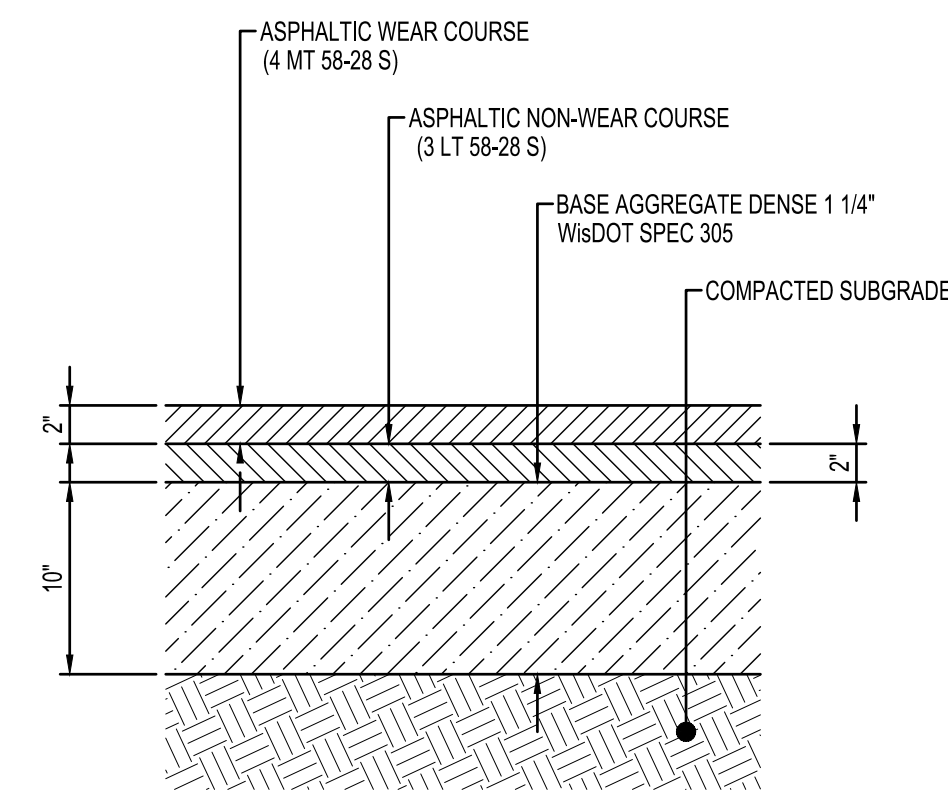
**SITE DETAILS**

SHEET



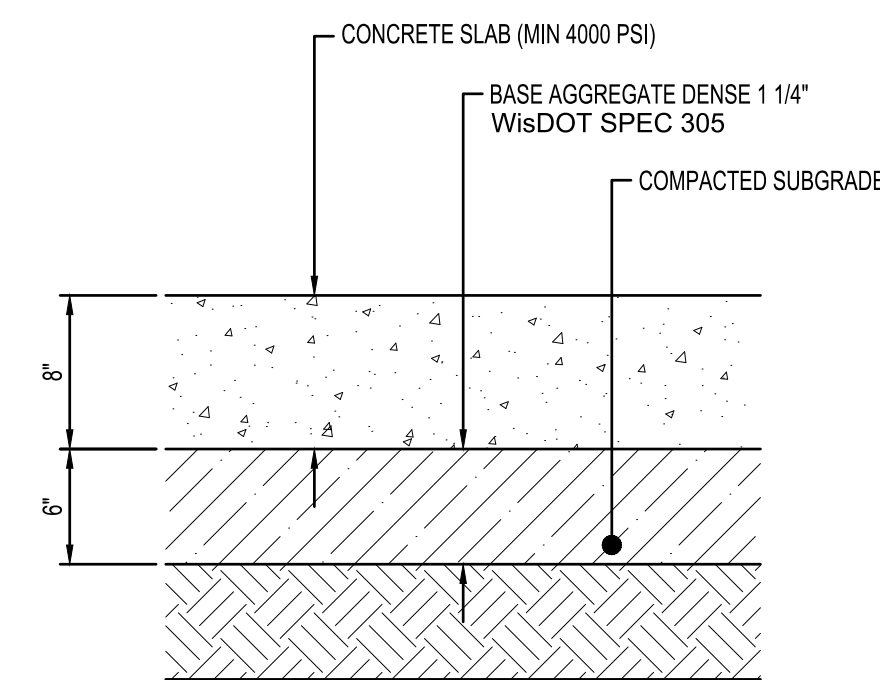
**ASPHALTIC PAVEMENT**

NTS ST110



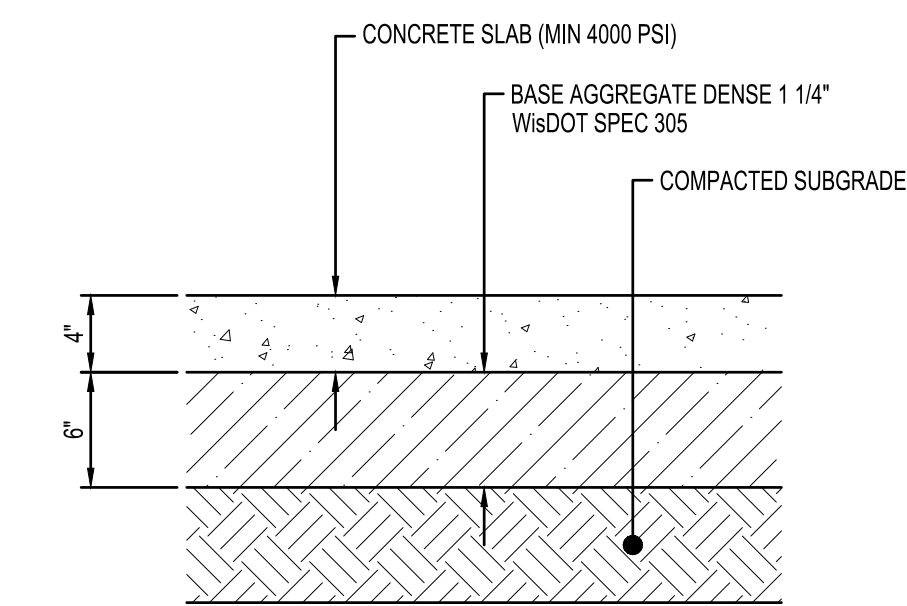
**HEAVY-DUTY ASPHALTIC PAVEMENT**

NTS ST111



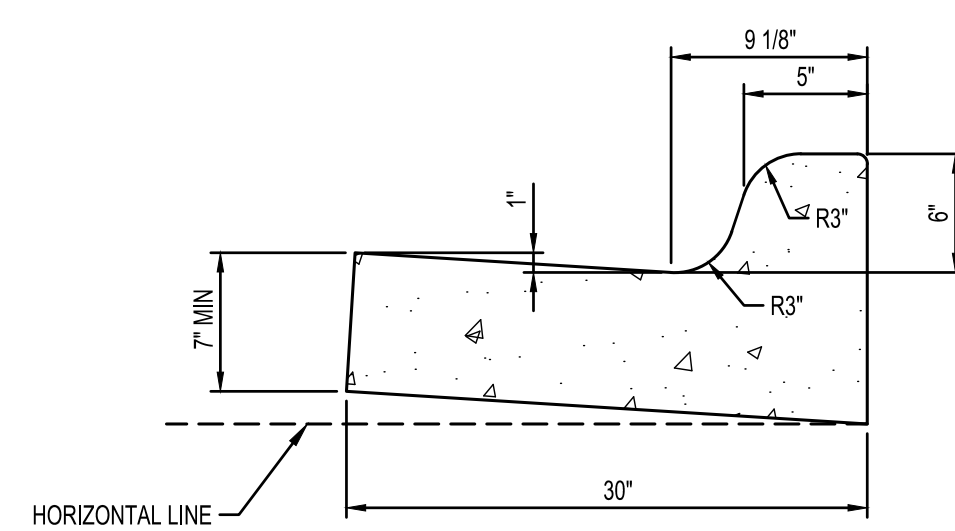
**CONCRETE PAVEMENT**

NTS ST120



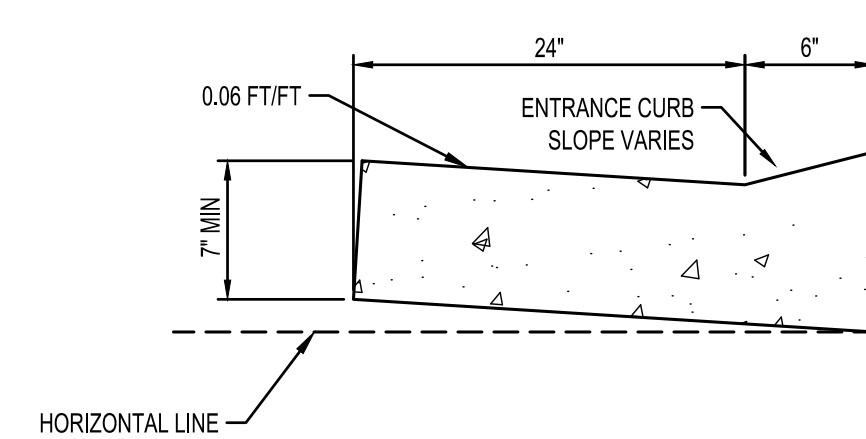
**CONCRETE SIDEWALK**

NTS ST150



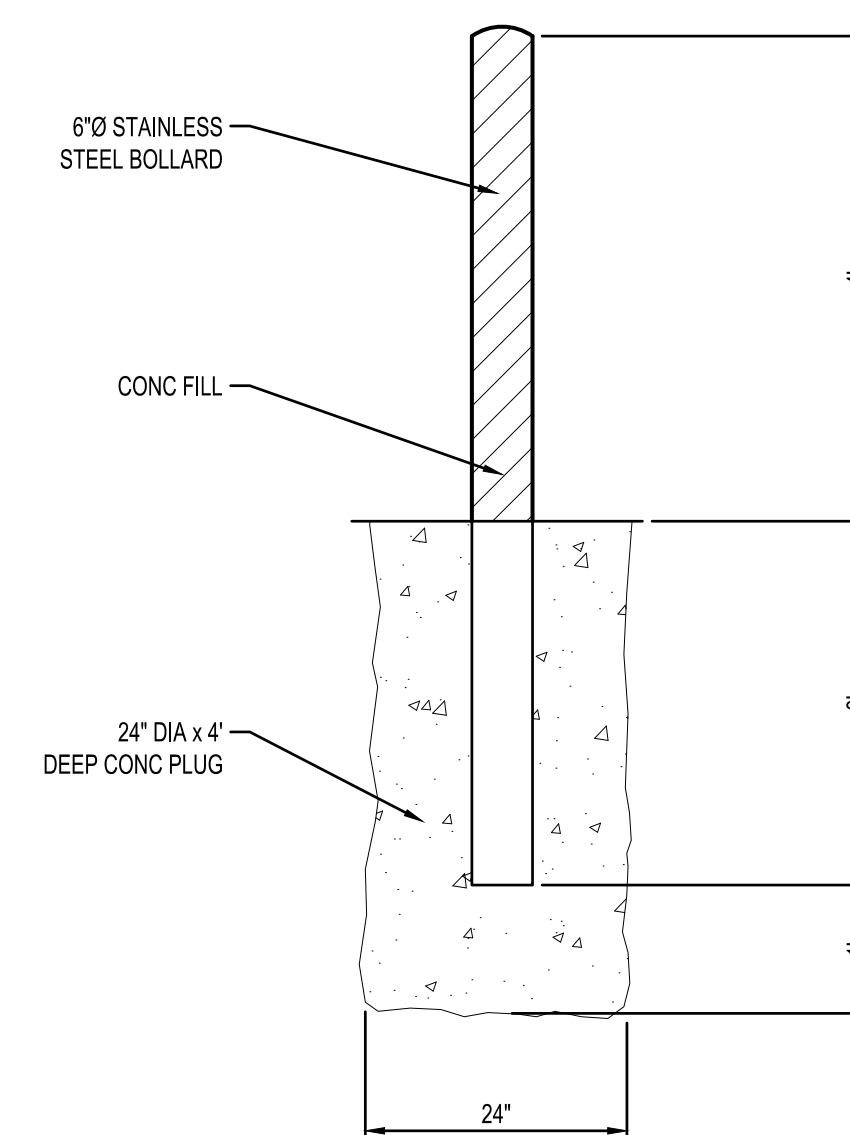
**CURB & GUTTER**

NTS ST204



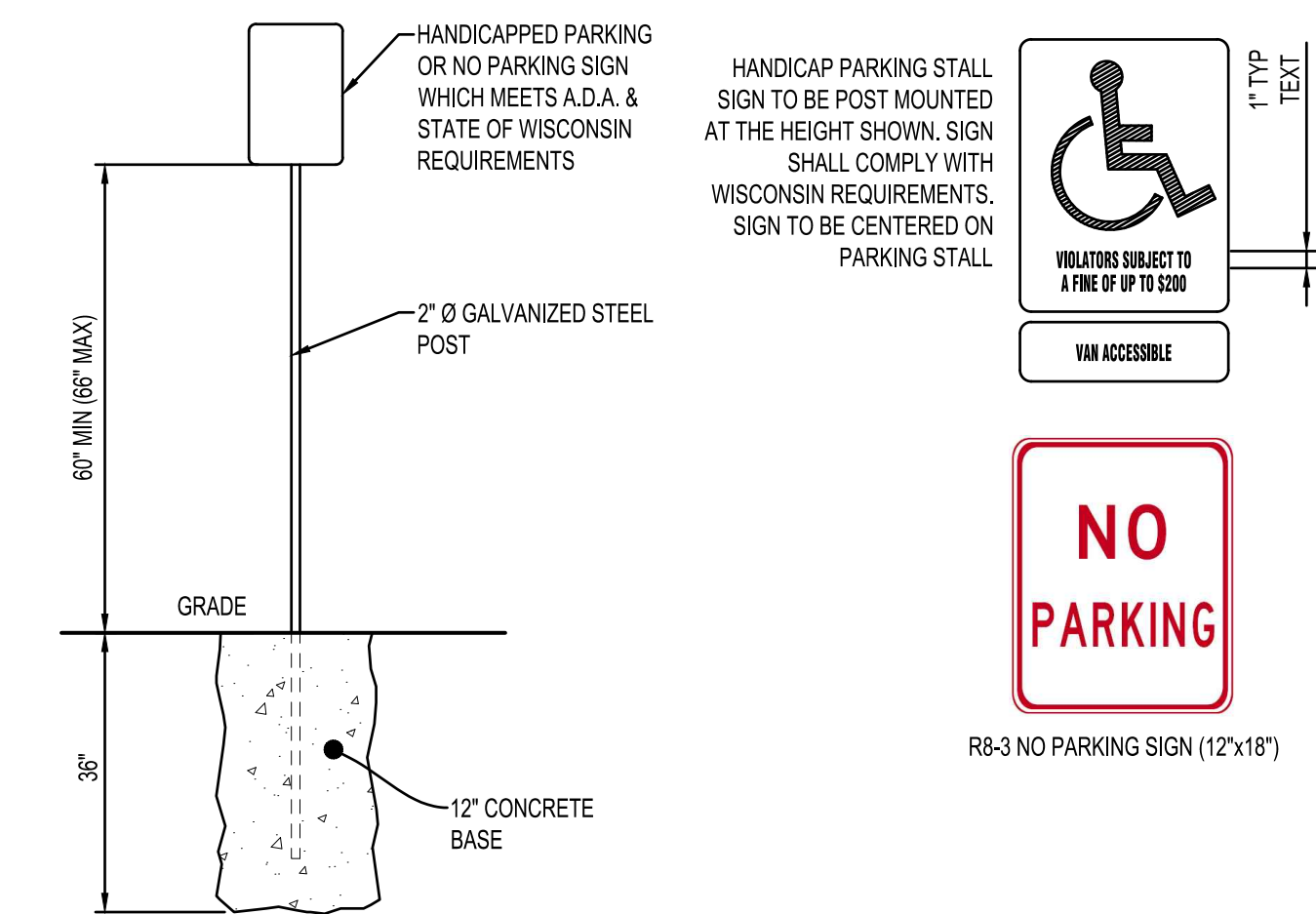
**DRIVEWAY ENTRANCE CURB**

NTS ST220



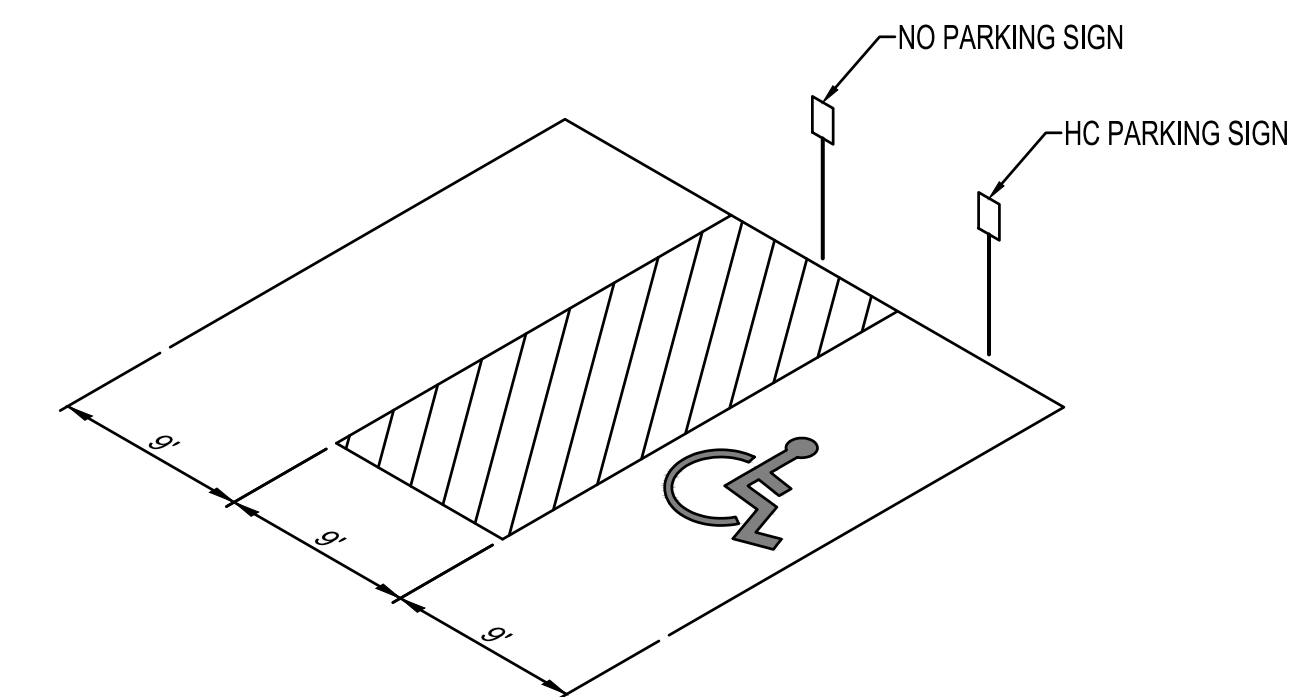
**TYPICAL BOLLARD**

NTS LD100



**ACCESSIBLE & NO PARKING SIGN ON POST**

NTS PM100





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PROJECT

**LA CROSSE FIRE DEPARTMENT STORAGE FACILITY**

LA CROSSE WISCONSIN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

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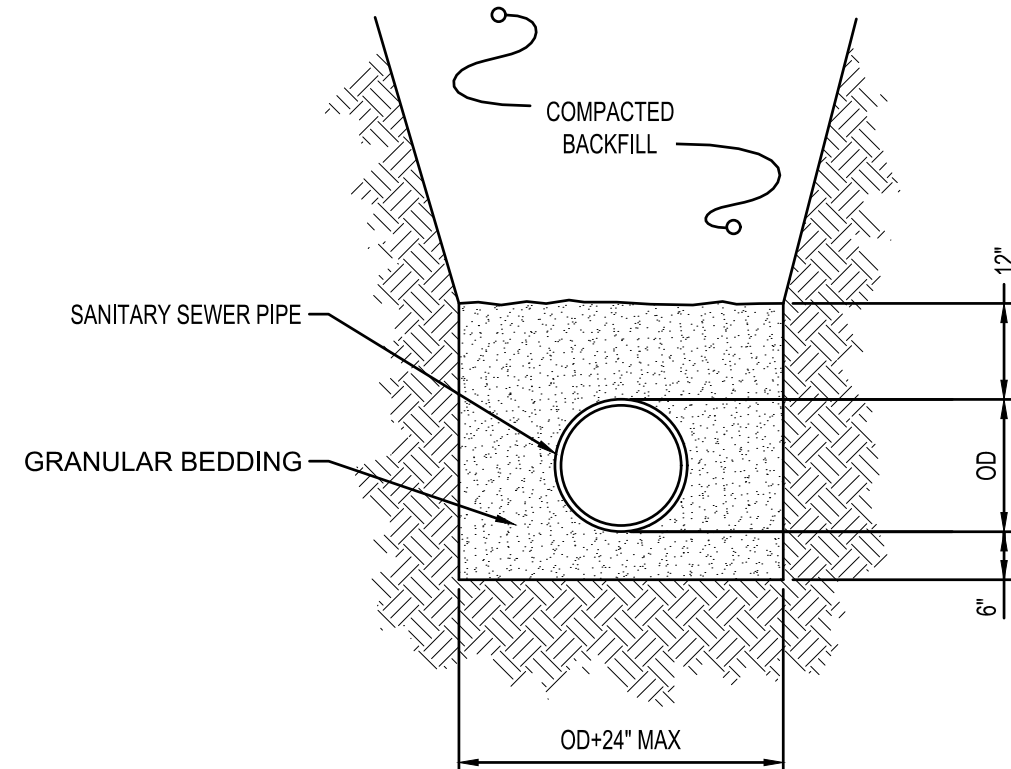
TITLE

**SITE DETAILS**

SHEET

**CO-30**

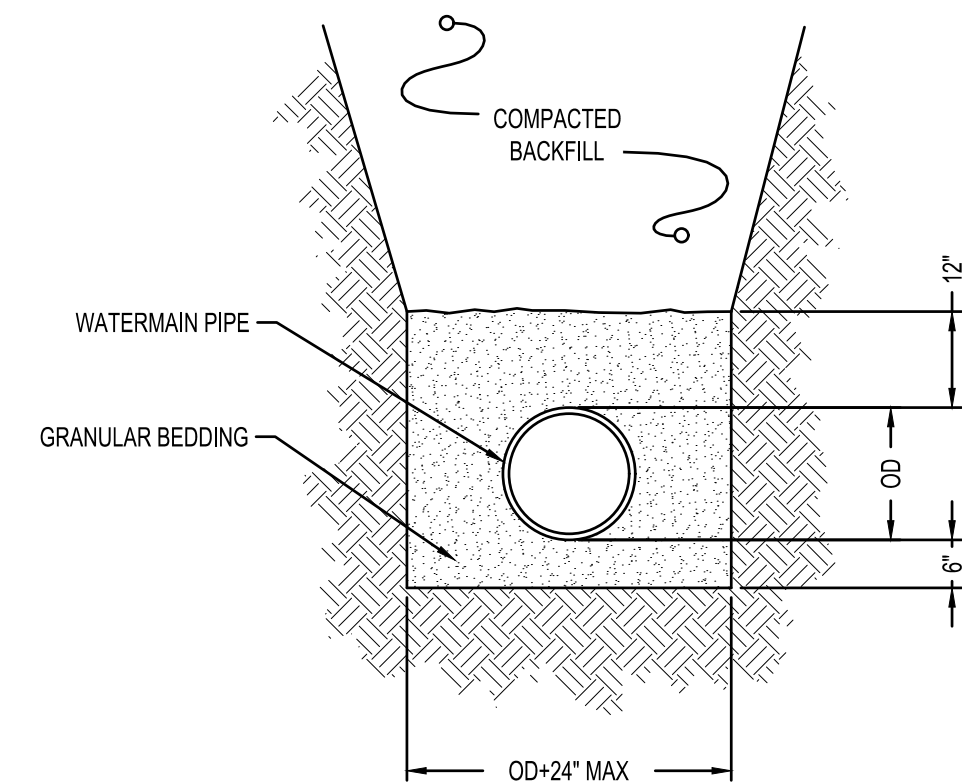
NOTE:  
GRANULAR BEDDING AND ENCASEMENT FOR SANITARY SEWER PIPES SHALL BE INCIDENTAL TO CONSTRUCTION



**PIPE BEDDING FOR SANITARY SEWER**

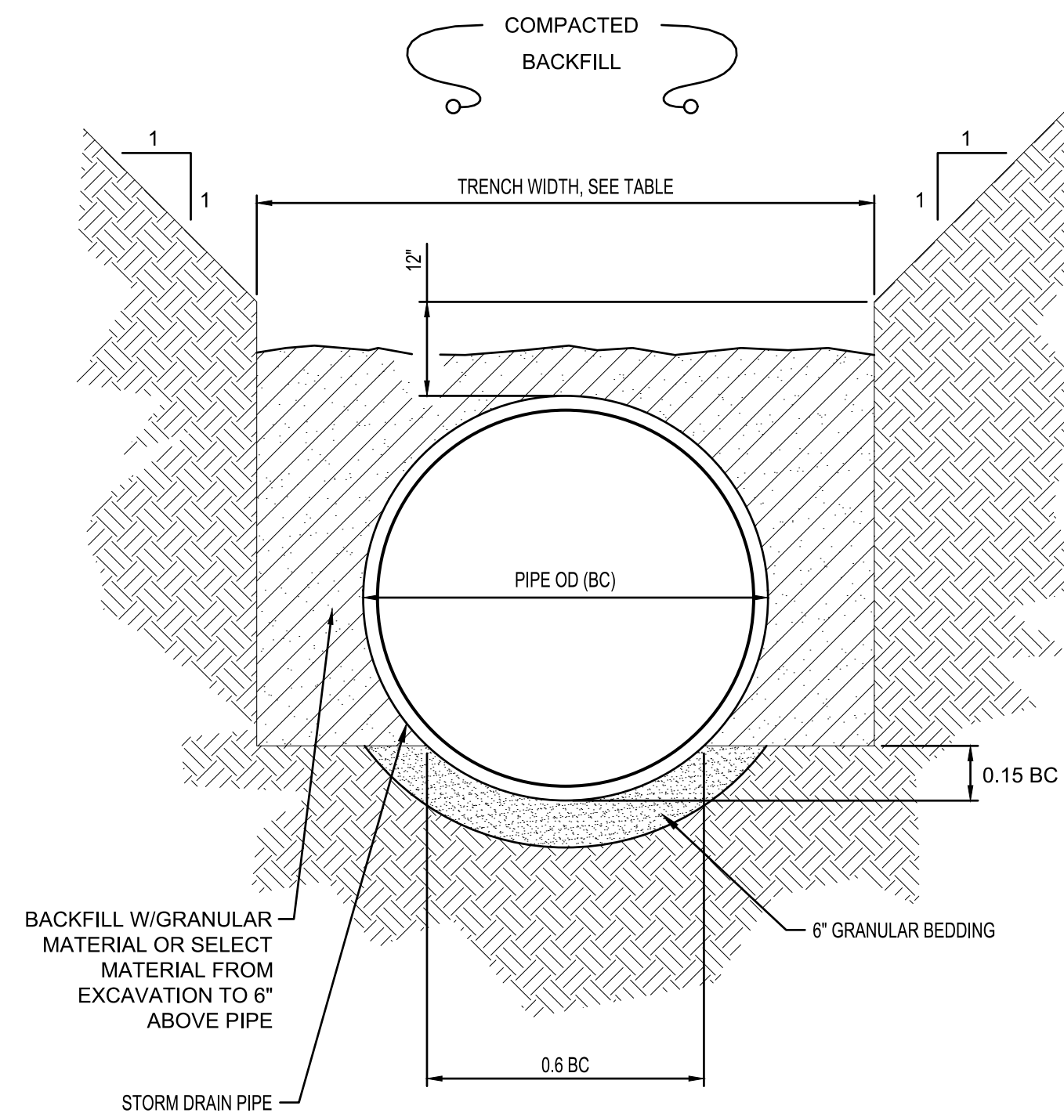
NTS SA400

NOTE:  
GRANULAR BEDDING AND ENCASEMENT FOR WATERMAIN PIPES SHALL BE INCIDENTAL TO CONSTRUCTION



**PIPE BEDDING FOR WATERMAIN**

NTS WM300

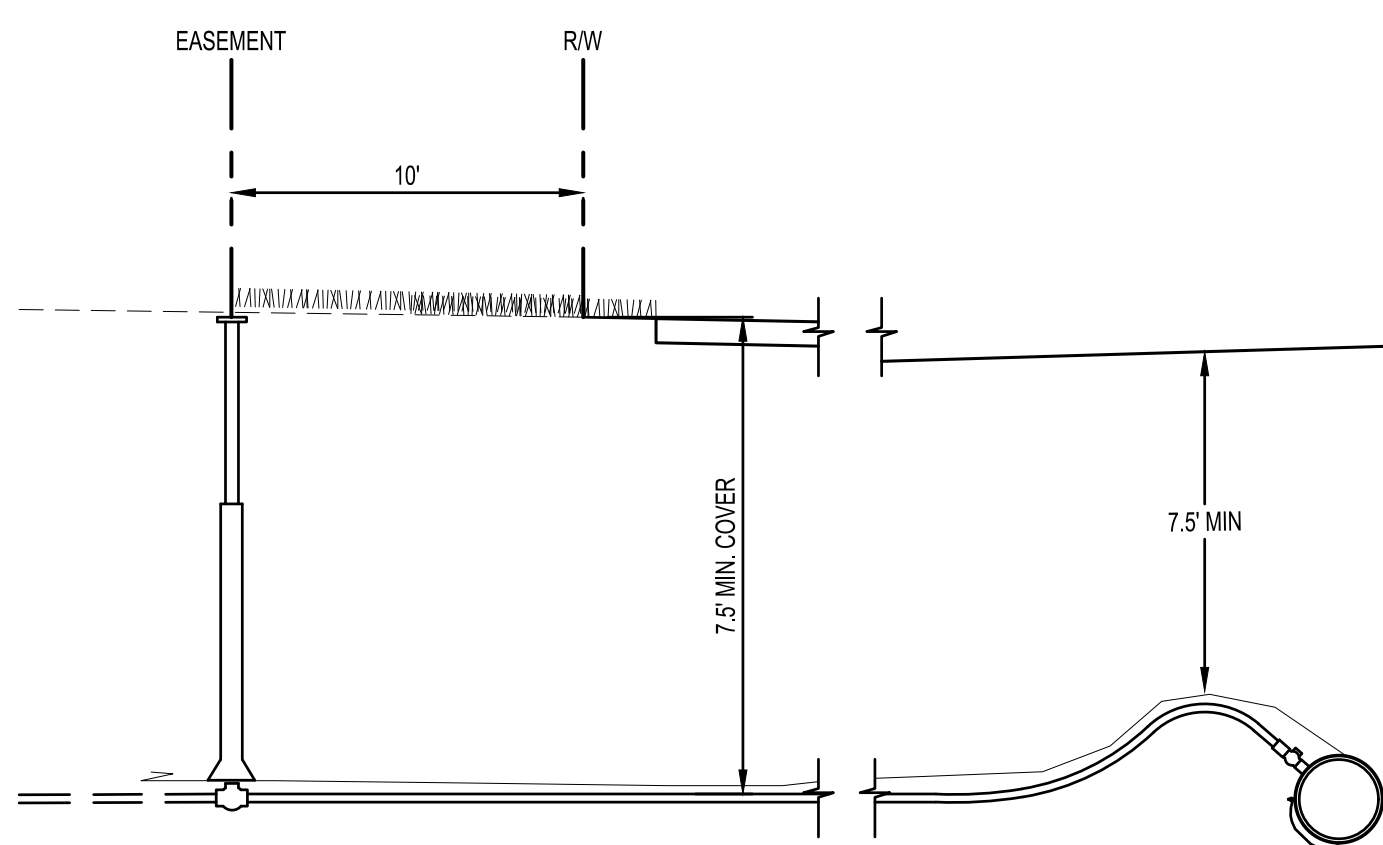


NOTE:  
GRANULAR BEDDING AND BACKFILL FOR STORM DRAIN PIPES SHALL BE INCIDENTAL TO STORM DRAIN CONSTRUCTION

TRENCH WIDTH	
PIPE DIAM	TRENCH WIDTH
36" OR LESS	BC + 24"
42" TO 54"	1.5 x B C
60" OR OVER	BC + 36"

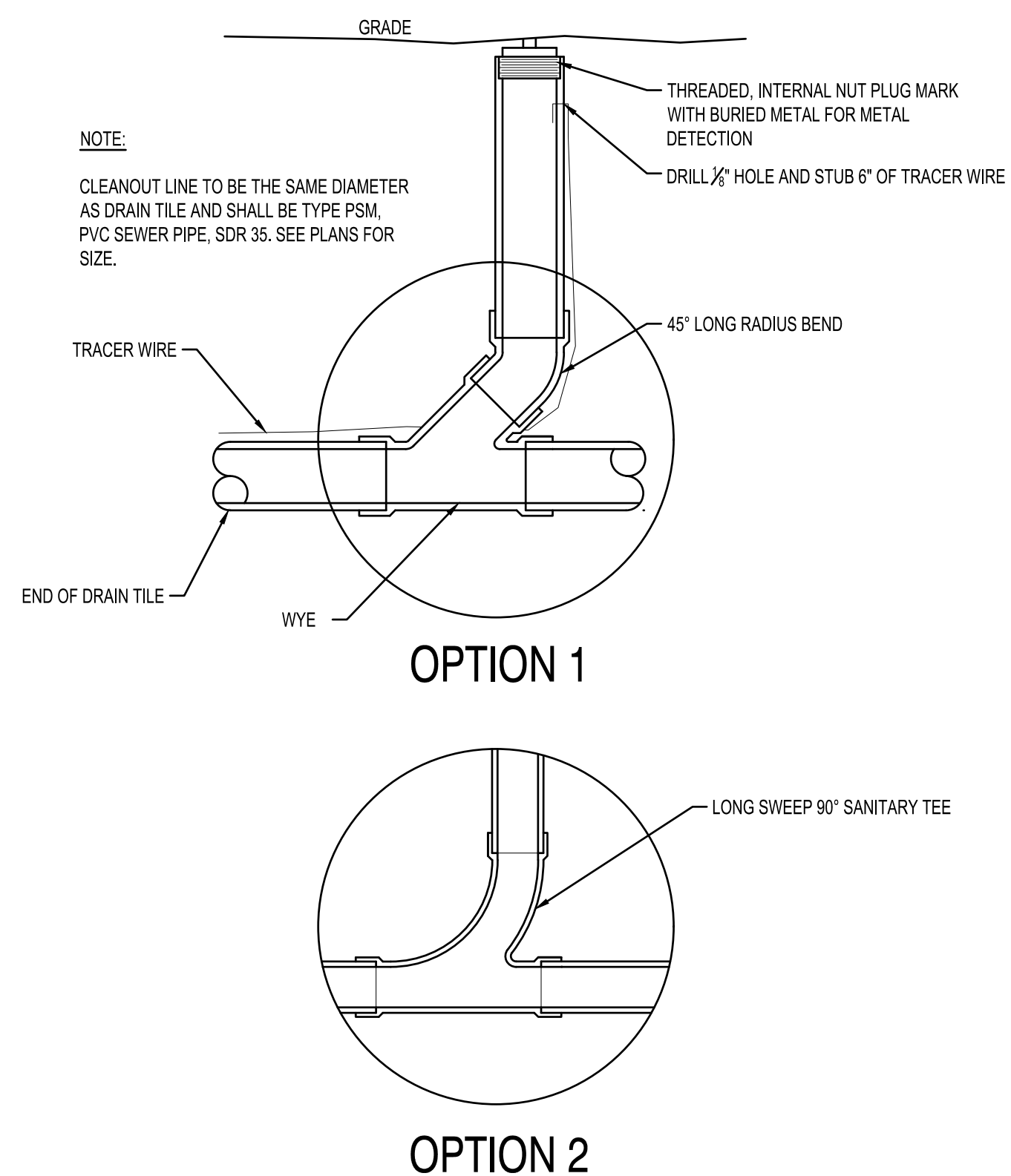
**NON-CONCRETE STORM DRAIN BEDDING**

NTS SD600



**TYPICAL WATER SERVICE**

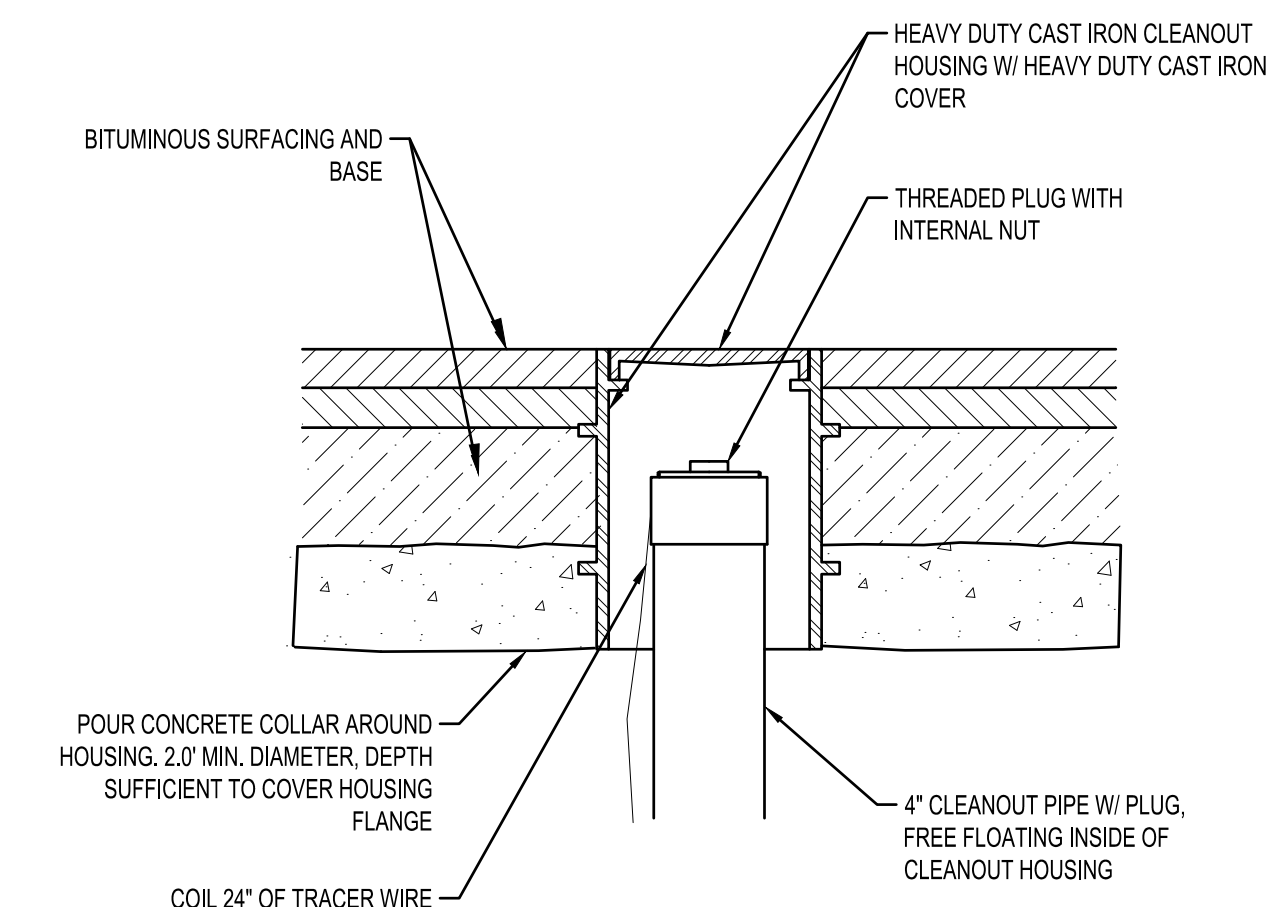
NTS WM500



NOTE:  
CLEANOUT LINE TO BE THE SAME DIAMETER AS DRAIN TILE AND SHALL BE TYPE PSM. PVC SEWER PIPE, SDR 35. SEE PLANS FOR SIZE.

**SANITARY CLEANOUT**

NTS SA200



**HEAVY DUTY SANITARY CLEAN OUT**

NTS SA201



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PROJECT

**LA CROSSE FIRE DEPARTMENT STORAGE FACILITY**

LA CROSSE WISCONSIN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

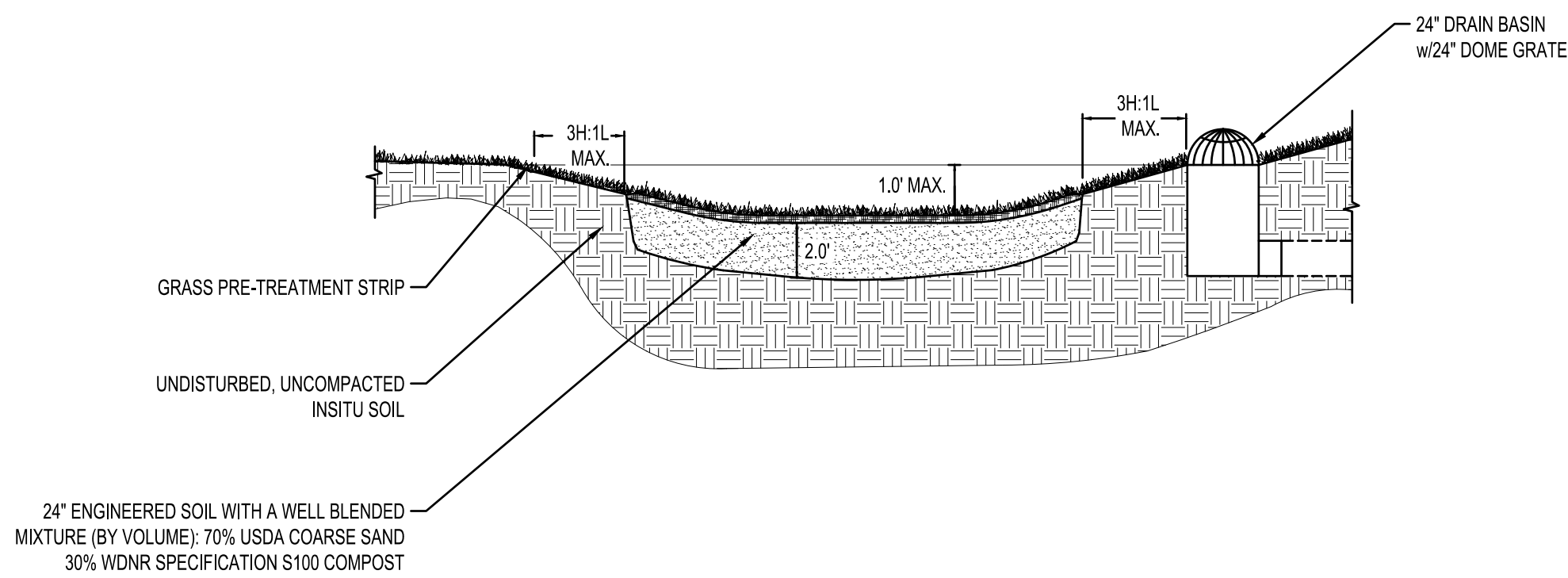
PROJECT NO.	16-18855
FILE NAME	18855 CO-DETAILS
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	WAK
ORIGINAL ISSUE DATE	1/06/2017
CLIENT PROJECT NO.	-

TITLE

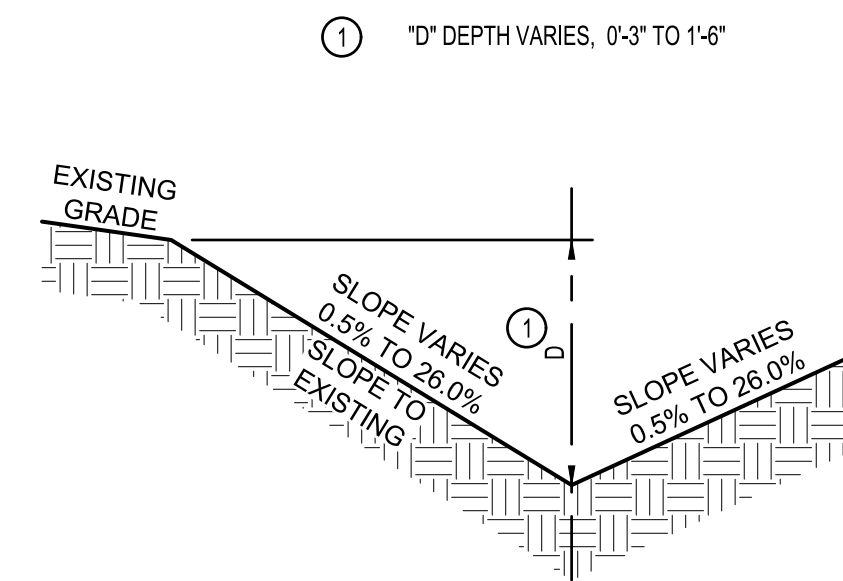
**SITE DETAILS**

SHEET

**C0-40**



**RAIN GARDEN (BIOFILTER)**  
NTS SD750



**TYPICAL SWALE SECTION**  
NTS SD700

**ANOVA**  
211 NORTH LINDBERGH, 2ND FLOOR  
ST. LOUIS, MO 63141  
TOLL FREE: 1-888-535-5005  
PHONE: (800) 231-1327  
FAX: (314) 754-0835  
www.anovafurnishings.com

SELECT DESIRED MODEL:

- BRP900 7-BIKE TRADITIONAL STEEL BIKE RACK
- BRP900E 14-BIKE TRADITIONAL STEEL BIKE RACK

SELECT DESIRED INNER RACK COLOR:

<input type="checkbox"/> BLACK	<input type="checkbox"/> ORANGE
<input type="checkbox"/> BLUE	<input type="checkbox"/> PURPLE
<input type="checkbox"/> BRONZE	<input type="checkbox"/> RED
<input type="checkbox"/> BROWN	<input type="checkbox"/> SAGE
<input type="checkbox"/> BURGENDY	<input type="checkbox"/> SILVER
<input type="checkbox"/> CAMEL	<input type="checkbox"/> TEAL
<input type="checkbox"/> CHARCOAL	<input type="checkbox"/> VANILLA
<input type="checkbox"/> EVERGREEN	<input type="checkbox"/> WHITE
<input type="checkbox"/> GRAY	<input type="checkbox"/> YELLOW
<input type="checkbox"/> NAVY	

SELECT DESIRED RACK FRAME COLOR:

<input type="checkbox"/> BLACK	<input type="checkbox"/> ORANGE
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<input type="checkbox"/> EVERGREEN	<input type="checkbox"/> WHITE
<input type="checkbox"/> GRAY	<input type="checkbox"/> YELLOW
<input type="checkbox"/> NAVY	

ISOMETRIC VIEW

SIDE VIEW

FRONT VIEW

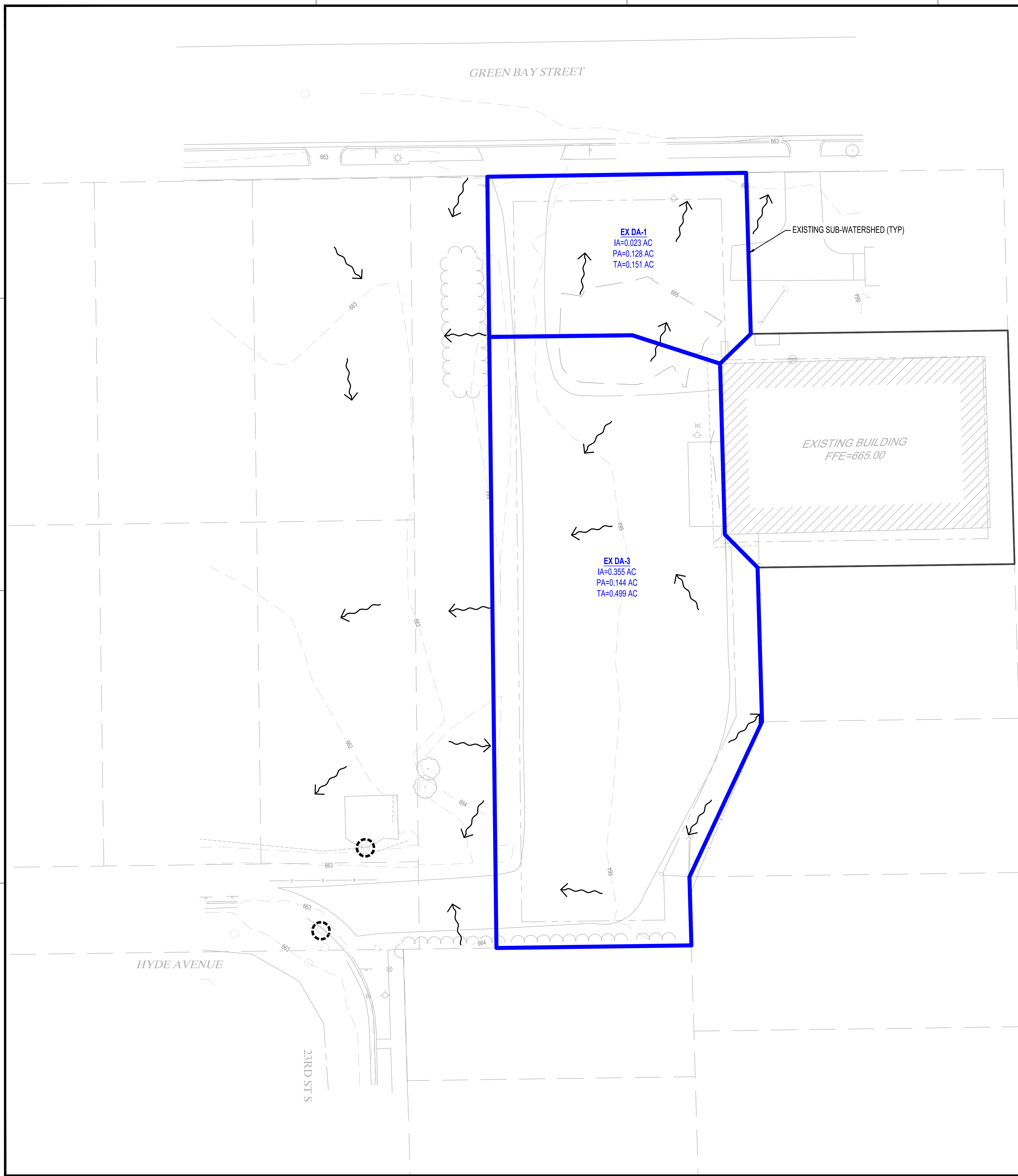
TOP VIEW

**FINISH:** FUSION GAURD®  
**MATERIAL:** 2.38" OD STEEL TUBE SUPPORT SECTIONS AND 0.5" OD STEEL RODS WELDED AT 3.5" INTERVALS  
**UNIT WEIGHT:** 120 lbs  
**MOUNTING OPTIONS:** SURFACE MOUNT, PORTABLE.  
**SOME ASSEMBLY REQUIRED**  
**CLEAN CITY™ PRODUCTS ARE COVERED BY A FIVE-YEAR WARRANTY FROM THE DATE OF PURCHASE**

**NOTES:**  
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.  
2. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.  
3. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info)  
REFERENCE NUMBER 928-110.

**8 BICYCLE SINGLE SIDED TRADITIONAL RACK**  
MODEL: BRP900

928-110 REVISION DATE 06/21/2016  
PROTECTED BY COPYRIGHT ©2016 CADDETAILS.COM LTD. www.CADdetails.com



EROSION CONTROL LEGEND			
SYMBOL	DESCRIPTION	UNITS	QUANTITY
	EXISTING STORM DRAIN INLET PROTECTION SEE DETAIL EC221	EACH	2
	EXISTING DRAINAGE ARROW		

\*\* QUANTITIES ARE FOR INFORMATIONAL PURPOSES TO MEET THE REQUIREMENTS OF THE CONSTRUCTION STORMWATER PERMIT. NO GUARANTEE IS MADE TO THE ACTUAL QUANTITIES REQUIRED.

\*\*\* THE QUANTITIES SHOWN ARE TOTAL FOR THE ENTIRE PROJECT NOT SPECIFIC TO THIS SHEET.

\*\*\*\* SEE SITE RESTORATION PLAN FOR FINAL TURF ESTABLISHMENT

NOTE: SWPPP COVERAGE INCLUDES ELECTRIC, GAS, TELEPHONE, AND CABLE INSTALLATION. EACH COMPANY OR THEIR SUBCONTRACTOR IS RESPONSIBLE TO FOLLOW THE REQUIREMENTS OF THIS SWPPP INCLUDING PROVIDING THEIR OWN RESTORATION IF INSTALLATION OCCURS AFTER PRIMARY INSTALLATION OF SEEDING/SODDING/MULCHING DURING CONSTRUCTION OF EACH UTILITY.

**STORM WATER POLLUTION PREVENTION PLAN NOTES:**  
GENERAL PROJECT INFORMATION:

**PROJECT NARRATIVE:**  
This project consists of the construction of a 5,020 sf storage building, bituminous pavement, concrete pavement, concrete walk, sanitary service, storm service, and water service, along with all the necessary grading, paving, utilities, erosion control, site restoration and any incidental items.

**PROJECT SCHEDULE:**  
Anticipated Start Date: April 2017  
Anticipated End Date: August 2017

- PROJECT PHASING:**
- Install temporary erosion control BMP's
  - Remove existing asphalt pavement
  - Install utilities
  - Rough grade site
  - Prepare and construct building pad
  - Prepare subgrade
  - Pave parking lot and paint lot striping
  - Establish Vegetation
  - Remove temporary erosion control BMP's

**RESPONSIBLE PARTIES:**  
Contractor and Owner are required to apply for and receive a Wisconsin Pollution Discharge Elimination System (WPDES) Stormwater Construction Permit from the WDNR at least 14 working days prior to beginning work.

Contractor and owner shall identify a person knowledgeable and experienced in the application of erosion prevention and sediment control BMP's who will oversee the implementation of the Erosion Control Plan according to WDNR requirements.

Company: \_\_\_\_\_ Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

Company: \_\_\_\_\_ Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_

Address: \_\_\_\_\_

Owner shall identify the entity responsible for the long term Operation and Maintenance of the storm water management system.

**PROJECT AREAS:**  
Total project size (disturbed area) = 0.49 acres  
Minimum area requiring WDNR permit = 1.00 acres  
**\*\*PROJECT DOES NOT REQUIRE A WPDES PERMIT\*\***

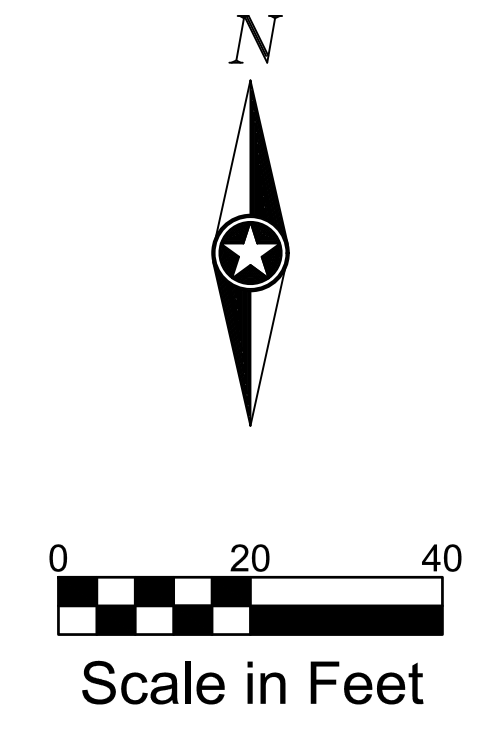
Existing area of impervious surface = 0.54 acres  
Post construction area of impervious surface = 0.57 acres  
  
Total removed impervious surface area = 0.03 acres

**RECEIVING WATERS:**  
Surface waters which will receive storm water from the site within 1 mile (aerial radius measurement) of project boundary. Include waters shown on USGS 7.5 minute quad and all waters identified in Appendix A of the permit.

Name of Water Body	Type (ditch, pond, wetland, lake, etc.)	Appendix A Special or Impaired Water?
Pammel Creek	Creek	None

Additional BMPs together with enhanced runoff controls are required for discharges to Special or Impaired waters within 1 mile of the site. (See Appendix A)

**SOIL TYPES:**  
Urban Land, Valley Train



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PROJECT  
**LA CROSSE FIRE DEPARTMENT STORAGE FACILITY**

LA CROSSE WISCONSIN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	16-18855
FILE NAME	18855 C1-SWPPP
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	WAK
ORIGINAL ISSUE DATE	1/06/2017
CLIENT PROJECT NO.	-

TITLE  
**EROSION CONTROL PLAN EXISTING CONDITIONS**

SHEET  
**C1-10**



EROSION CONTROL LEGEND			
SYMBOL	DESCRIPTION	UNITS	QUANTITY
— SF —	SILT FENCE, PREASSEMBLED SEE DETAIL EC100	LF	722
○	PROPOSED STORM DRAIN INLET PROTECTION SEE DETAIL EC221	EACH	1
◻ (stippled)	STABILIZED TRACKING PAD SEE DETAIL EC800	EACH	1
↗	PROPOSED DRAINAGE ARROW		

\*\* QUANTITIES ARE FOR INFORMATIONAL PURPOSES TO MEET THE REQUIREMENTS OF THE CONSTRUCTION STORMWATER PERMIT. NO GUARANTEE IS MADE TO THE ACTUAL QUANTITIES REQUIRED.  
 \*\*\* THE QUANTITIES SHOWN ARE TOTAL FOR THE ENTIRE PROJECT NOT SPECIFIC TO THIS SHEET.  
 \*\*\*\* SEE SITE RESTORATION PLAN FOR FINAL TURF ESTABLISHMENT  
 NOTE: SWPPP COVERAGE INCLUDES ELECTRIC, GAS, TELEPHONE, AND CABLE INSTALLATION. EACH COMPANY OR THEIR SUBCONTRACTOR IS RESPONSIBLE TO FOLLOW THE REQUIREMENTS OF THIS SWPPP INCLUDING PROVIDING THEIR OWN RESTORATION IF INSTALLATION OCCURS AFTER PRIMARY INSTALLATION OF SEEDING/SODDING/MULCHING DURING CONSTRUCTION OF EACH UTILITY.



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PROJECT  
**LA CROSSE FIRE DEPARTMENT STORAGE FACILITY**

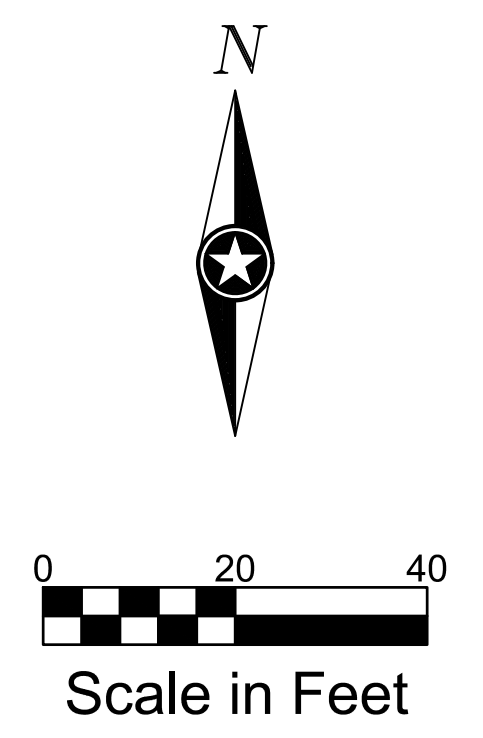
LA CROSSE WISCONSIN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	16-18855
FILE NAME	18855 C1-SWPPP
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	WAK
ORIGINAL ISSUE DATE	1/06/2017
CLIENT PROJECT NO.	-

TITLE  
**EROSION CONTROL PLAN PROPOSED CONDITIONS**

SHEET  
**C1-20**



**CONSTRUCTION ACTIVITY NOTES:**

**EROSION PREVENTION:**

Construction of silt fence and all other erosion control measures shall be complete before other construction activity occurs. Use phased construction wherever practical and establish turf as soon as possible to minimize sediment transport.

Turf establishment or temporary seeding or mulching of all exposed soil not being actively worked should be practiced following the table below:

Type of Slope or Disturbance Area	Time Area can Remain Open Without Being Actively Worked	
	Normal Water	Impaired
Steeper than 3:1	14 days	7 days
10:1 to 3:1	14 days	7 days
Flatter 10:1	14 days	7 days
Ditches	1 day	1 day
Pipe Ends	1 day	1 day
Within 200 Feet of Surface Water	1 day	1 day

Temporary cover during construction is incidental.

Pipe outlets must be provided with temporary or permanent energy dissipation within 24 hours after connection to a surface water.

All exposed soils shall be seeded or sodded at the earliest possible time to prevent/reduce erosion.

A. Seeding shall be WisDOT seed mixture #75 for rain garden seeding and Wisdot seed mixture #40 for all other seeding areas. Seeding shall be in accordance with WisDOT Specification Section 630.

B. Sodding shall be applied according to WisDOT Specification Section 631.

C. Temporary mulching shall be applied at a rate of 2 tons/acre. Mulch shall be disc anchored.

Additional erosion prevention measures may be found at the Wisconsin Department of Natural Resources Best Management Practices.

**SEDIMENT CONTROL PRACTICES:**

Construction of silt fence and all other erosion control measures shall be complete prior to land disturbing activities occur.

Inlet erosion protection shall be installed and maintained until turf or pavement has been established.

The contractor shall be responsible to control erosion from leaving the construction zone. All eroded material that leaves the construction zone shall be collected by the contractor and returned to the site at the contractor's expense.

Contractor shall maintain a 50-foot natural buffer or use redundant sediment controls near surface waters if a buffer is not feasible.

Contractor shall take the necessary steps to minimize soil compaction and preserve topsoil on site.

All streets must be swept within 24 hours when any tracking occurs.

Silt fence or other effective erosion control measures must be installed around the perimeter of any soil stockpiled, including temporary stockpiles, at this location or any other on the project site. Stockpiles cannot be placed in surface waters, including storm water conveyances such as curb and gutter systems, or conduits and ditches.

Perimeter control shall be installed along the back of curb immediately following curb installation at all locations with positive drainage to parking lot and/or streets, and remaining until stabilization is achieved. This shall be accomplished through the use of silt fence. (Biorolls, Rock logs, or other methods approved by the engineer prior to installation shall also be placed acceptable)

**CONSTRUCTION ACTIVITY NOTES:**

**DEWATERING AND BASIN DRAINING:**

Dewater sediment-laden water to sedimentation basins if possible, or use other BMP's to prevent erosion when discharging to surface waters. Use appropriate energy dissipation measures on all discharges.

Dewatering practices cannot cause nuisance conditions, erosion or in receiving channels or inundation of wetlands resulting in adverse impacts.

**POLLUTION PREVENTION:**

All solid waste collected from the construction site must be disposed in accordance with all applicable regulations.

All hazardous materials (oil, gasoline, fuel, paint, etc) must be properly stored to prevent spills, leaks, or other discharge. Storage areas shall provide secondary containment and a hazardous materials spill kit. Equipment fueling and maintenance shall occur in a designated, contained area. Storage and disposal of hazardous waste must be in compliance with all applicable regulations. All runoff containing any hazardous material must be properly collected and disposed. No engine degreasing shall be allowed on site.

All sanitary wastes must be collected from portable units on site by a licensed sanitary waste management contractor. The units must be secured and shall be maintained on a regular basis as needed to prevent overflowing.

Emergency Spill Plan - The Contractor is responsible for all construction personnel to be informed of the manufacturers' recommended spill cleanup methods, and the location of that information and cleanup supplies. The Contractor shall modify the SWPPP as required within seven calendar days of knowledge of the release to: provide a description of the release, the circumstances leading to the release, and the date of the release. Plans must identify measures to prevent the reoccurrence of such releases. If a spill occurs, the following steps shall be followed:

1. Observe the safety precautions associated with the spilled material. Stop the source of the spill, if you can do so safely. Call 911 if fire or public safety hazards are created.
2. Contain the spilled material. Dirt, sand, or any semi-impermeable material may be used to create a containment structure to prevent the material from flowing.
3. Report the spill to Wisconsin's Spill Hotline at (800) 943-0003.
4. Clean up the spilled material and dispose of the wastes properly.

The contractor is responsible for monitoring air pollution and ensuring it does not exceed levels set by local, state, or federal regulations. This includes dust created by work being performed on the site. Air pollution and dust control correction is considered incidental to the unit bid prices for which work is being performed. Additional dust control measures may be required by the Engineer.

Concrete washout off site: All liquid and solid wastes generated by concrete washout must be contained and not have the opportunity to come in contact with the surface waters or ground water. This includes ditches, slopes to ditches, curb and gutter, storm sewer systems, and ponds. All excess water and concrete must leave the site within the concrete trucks. Liquid and solid wastes must be disposed of properly.

**INSPECTION AND MAINTENANCE:**

The Permittees must routinely inspect the construction site once every seven (7) days during active construction and within 24 hours of a rainfall event greater than 0.5 inches in a 24 hour period.

All inspections performed during construction must be recorded and records retained with the erosion plan in accordance with the Permit. Contractor is responsible for keeping a record of all rainfall data & erosion control maintenance until final establishment of turf.

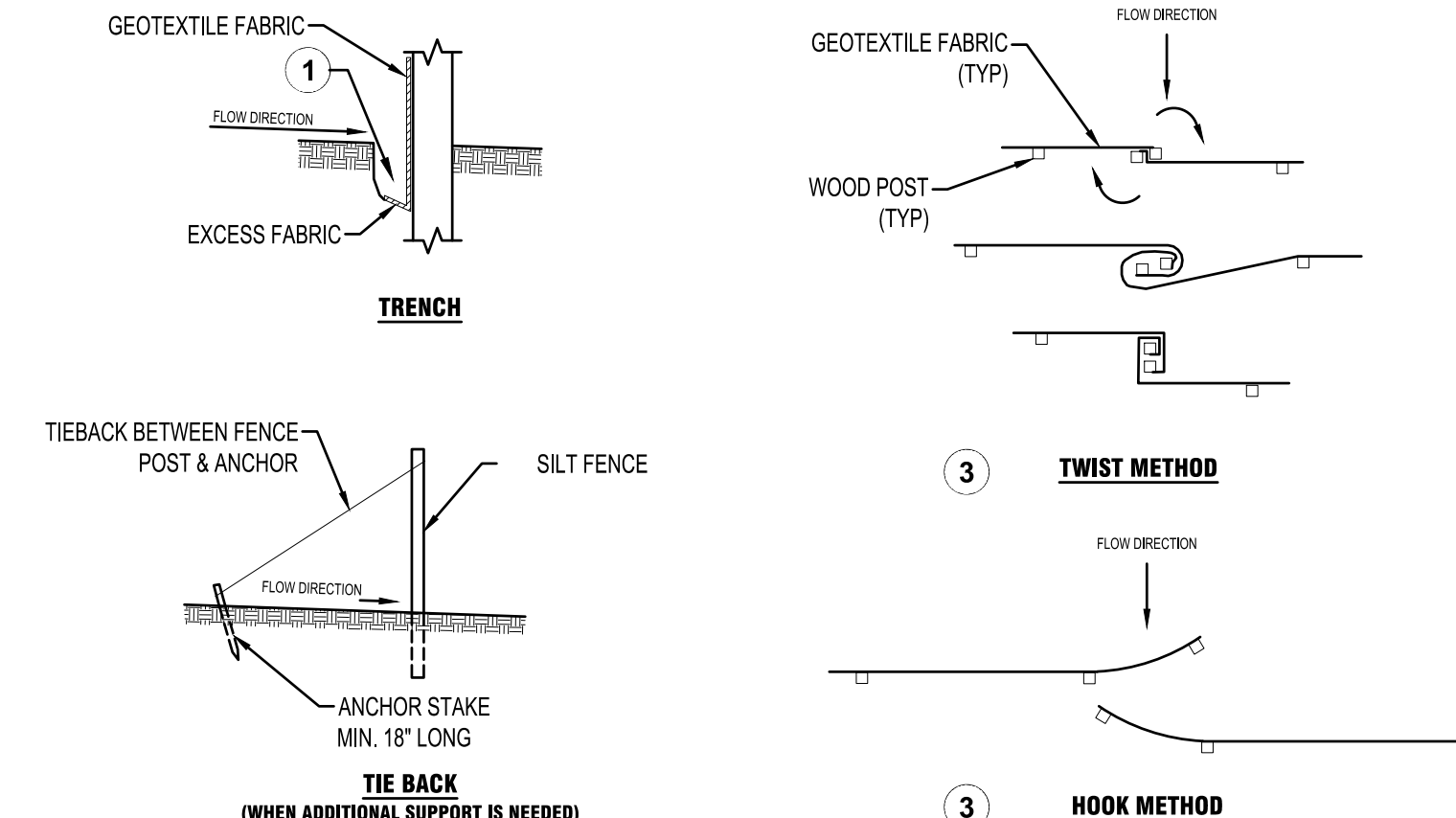
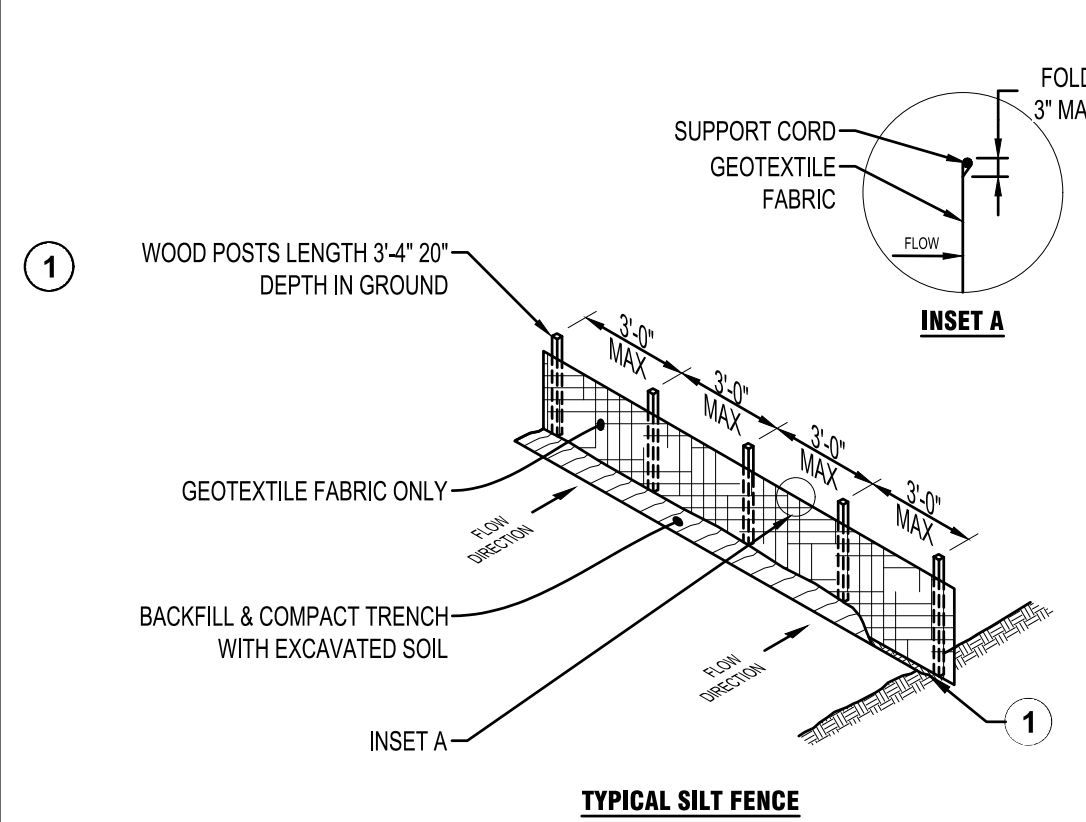
Erosion control and other BMP's must be replaced, repaired, or supplemented when they reach 33% design load.

**FINAL STABILIZATION:**

The Contractor must ensure final stabilization of the site. The Contractor must submit a Notice of Termination when the site has undergone final stabilization and all stormwater discharges associated with the construction site activities that require to have WPDES coverage have ceased.

All temporary erosion control measures and BMP's must be removed as part of the final site stabilization.

The storm water permit further defines final stabilization and its requirements.



**GENERAL NOTES:**

ATTACH THE FABRIC TO THE POSTS WITH WIRE STAPLES OR WOODEN LATH & NAILS

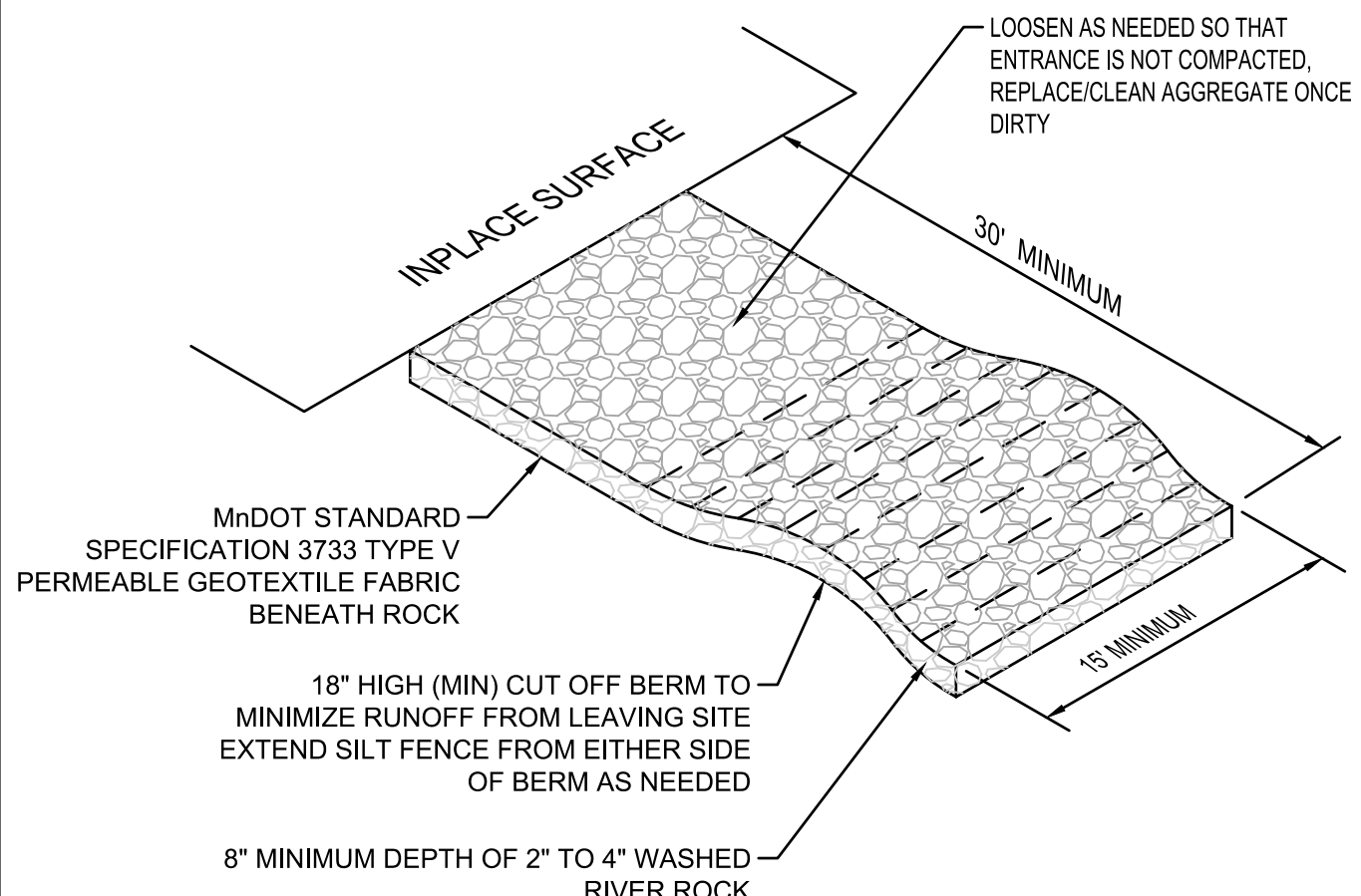
ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS

8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED

1. TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY & ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH, BACKFILL, & COMPACT TRENCH WITH EXCAVATED SOIL.
2. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" x 1 1/8" OF OAK OR HICKORY
3. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS.
  - A) TWIST METHOD - OVERLAP THE END POSTS & TWIST, OR ROTATE AT LEAST 180°
  - B) HOOK METHOD - HOOK THE END OF EACH SILT FENCE LENGTH.

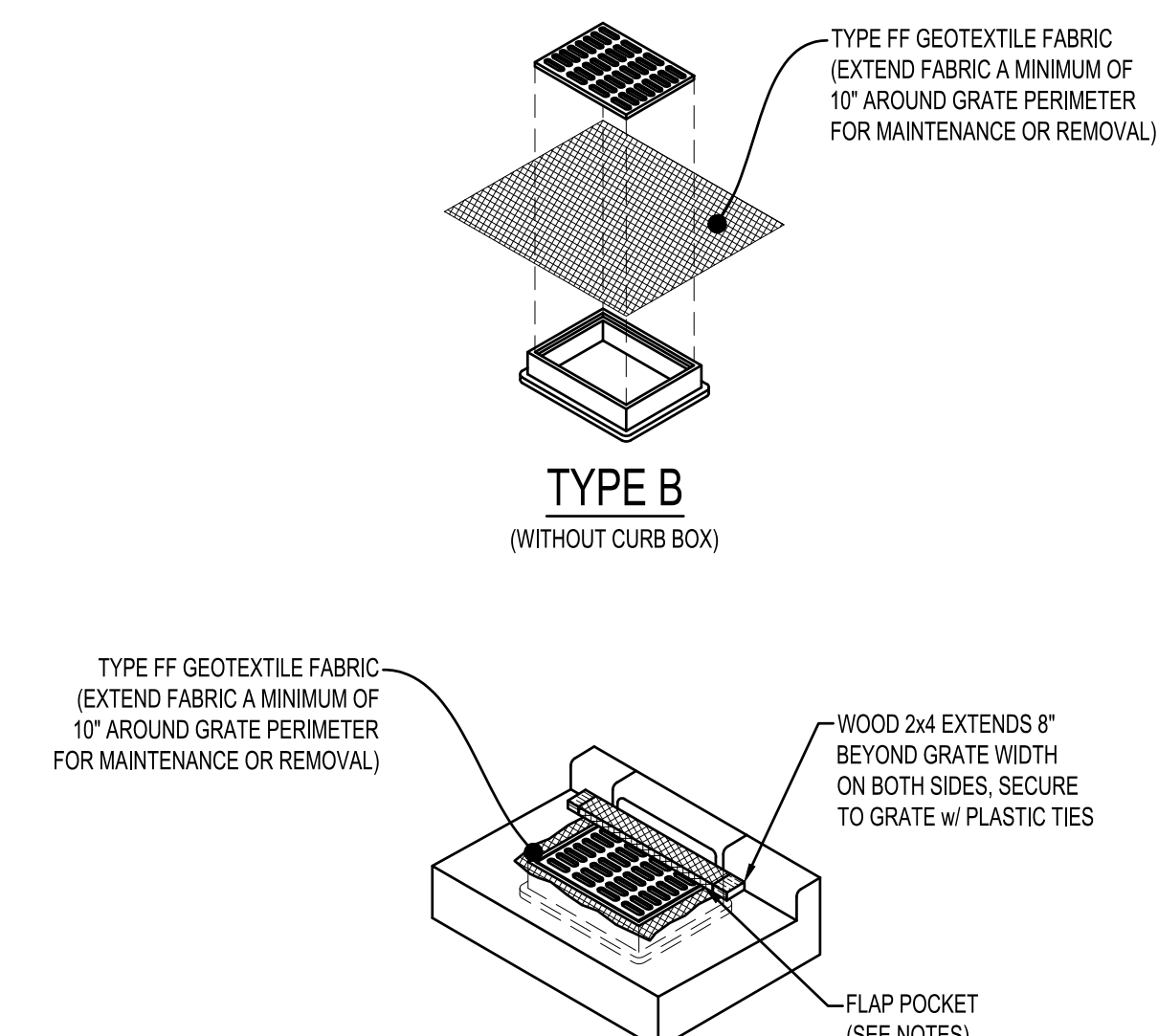
**SILT FENCE**

NTS EC100



**STABILIZED TRACKING PAD**

NTS EC600



**NOTES:**

FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2"x4". THE REBAR, STEEL PIPE, OR WOOD SHALL BE INSTALLED IN THE REBAR FLAP AND SHALL NOT BLOCK THE TOP HALF OF THE CURB FACE OPENING.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED IN THE FABRIC DOES NOT FALL INTO THE STRUCTURE. MATERIAL THAT HAS FALLEN INTO THE INLET SHALL BE IMMEDIATELY REMOVED.

**TYPES B & C INLET PROTECTION**

NTS EC221



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PROJECT

**LA CROSSE FIRE DEPARTMENT STORAGE FACILITY**

LA CROSSE WISCONSIN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	16-18855
FILE NAME	18855 C1-SWPPP
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	WAK
ORIGINAL ISSUE DATE	1/06/2017
CLIENT PROJECT NO.	-

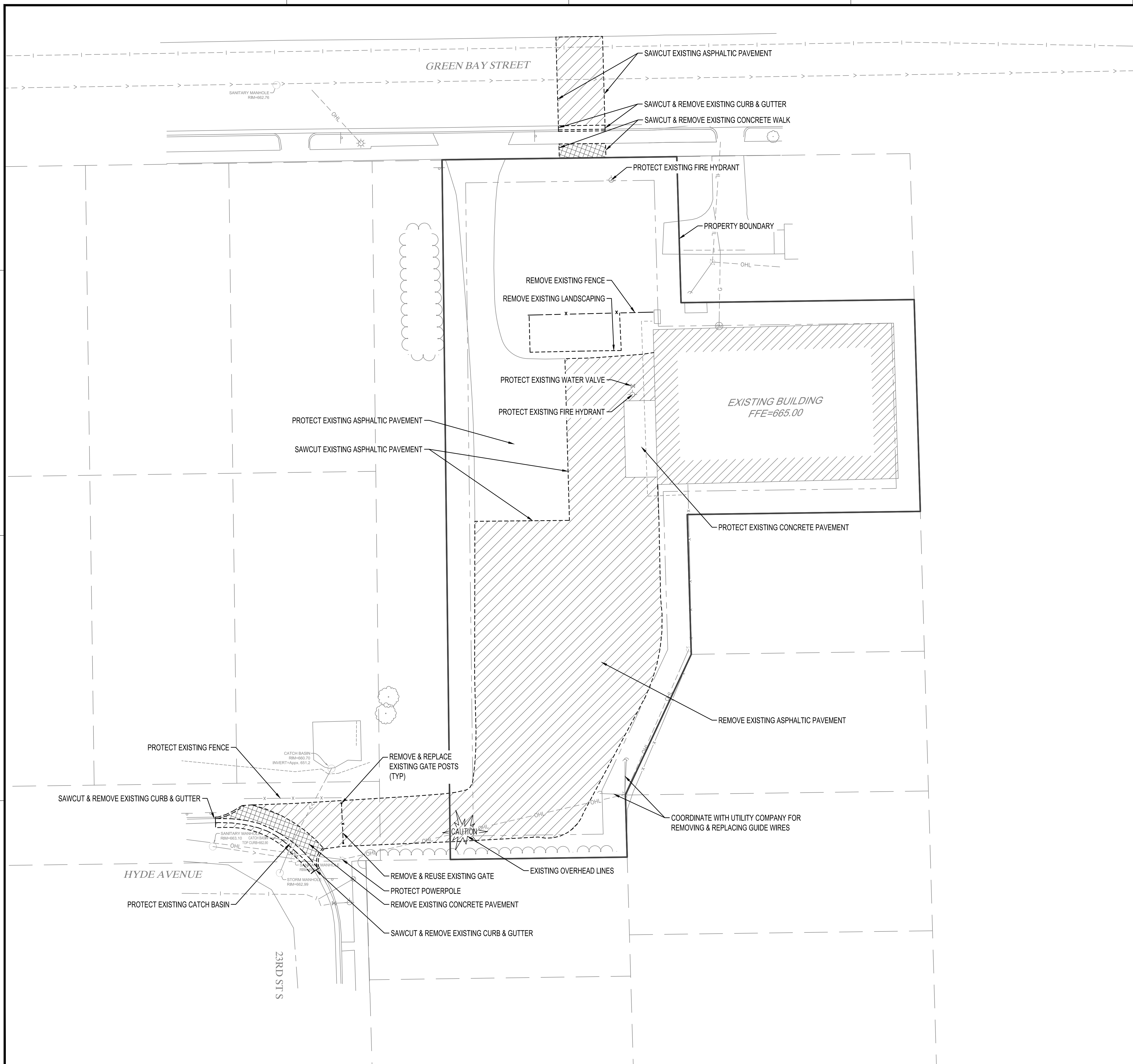
TITLE

**EROSION CONTROL DETAILS & SPECIFICATIONS**

SHEET

**C1-30**





### LEGEND

EXISTING	PROPOSED

NOTE: CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES.

### REMOVALS HATCH LEGEND

	REMOVE ASPHALTIC PAVEMENT
	REMOVE CONCRETE PAVEMENT



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**LA CROSSE FIRE DEPARTMENT STORAGE FACILITY**

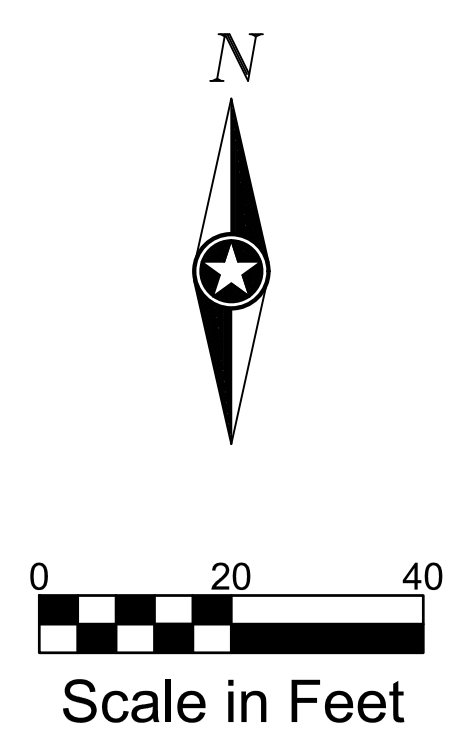
LA CROSSE WISCONSIN

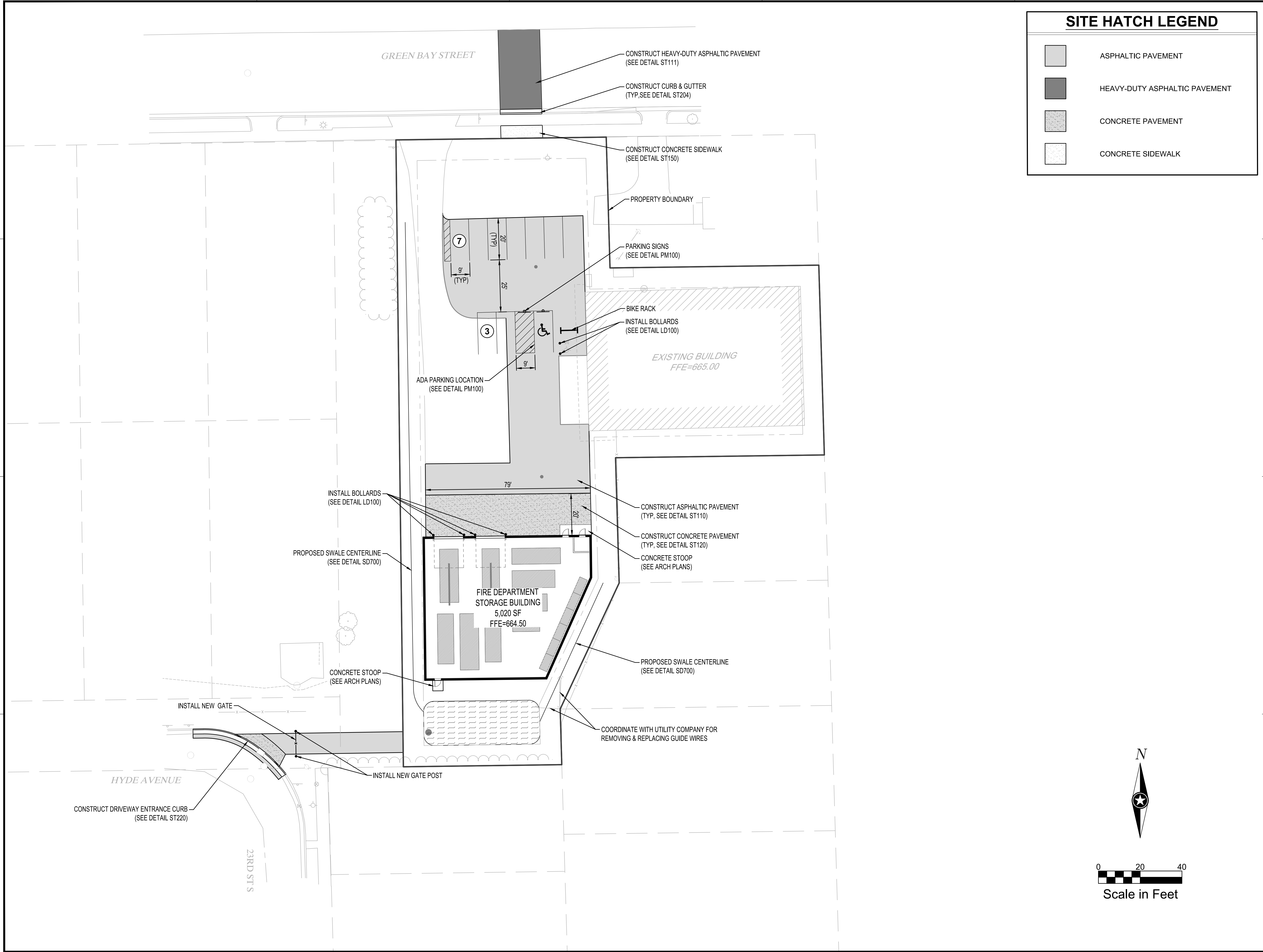
REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	16-18855
FILE NAME	18855 C2-EXIST
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	WAK
ORIGINAL ISSUE DATE	1/06/2017
CLIENT PROJECT NO.	-

**EXISTING SITE & REMOVAL PLAN**

SHEET  
**C2-10**





**SITE HATCH LEGEND**

	ASPHALTIC PAVEMENT
	HEAVY-DUTY ASPHALTIC PAVEMENT
	CONCRETE PAVEMENT
	CONCRETE SIDEWALK



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PROJECT

**LA CROSSE FIRE DEPARTMENT STORAGE FACILITY**

LA CROSSE WISCONSIN

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DATE	DESCRIPTION	BY

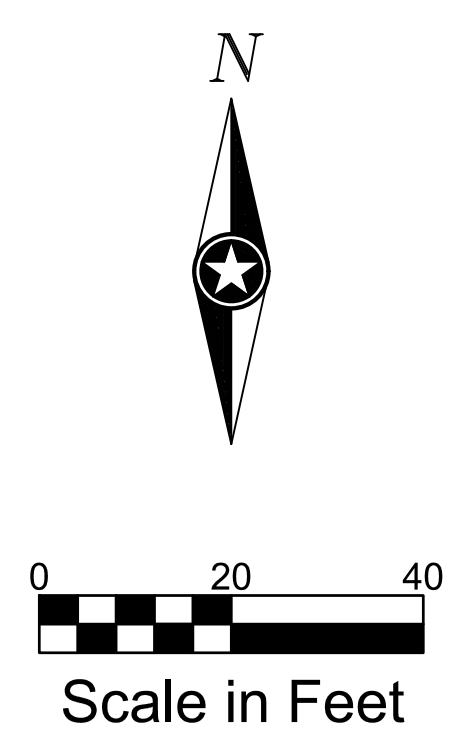
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FILE NAME	18855 C3-SITE
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	WAK
ORIGINAL ISSUE DATE	1/06/2017
CLIENT PROJECT NO.	-

TITLE

**PROPOSED SITE PLAN**

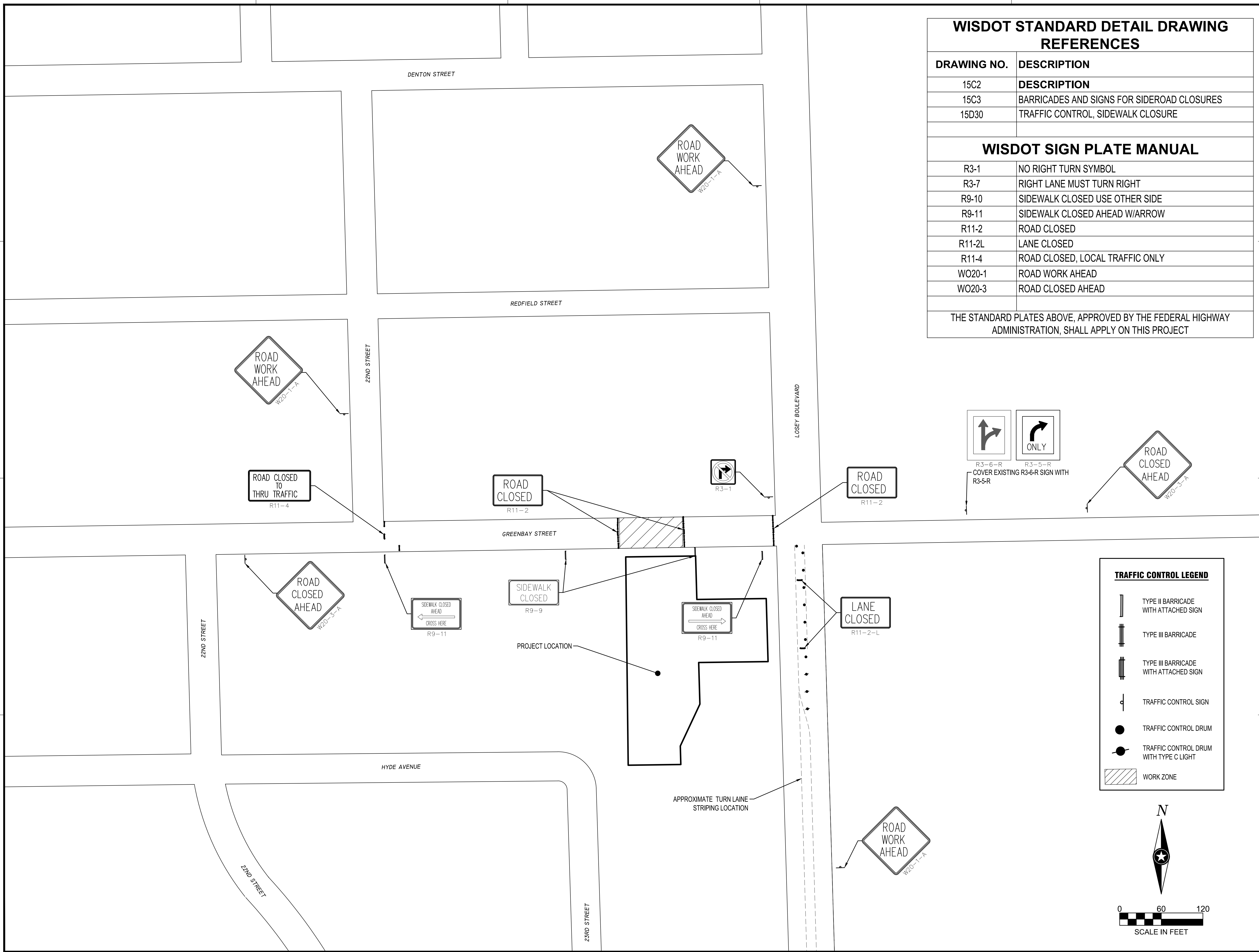
SHEET

**C3-10**









**WISDOT STANDARD DETAIL DRAWING REFERENCES**

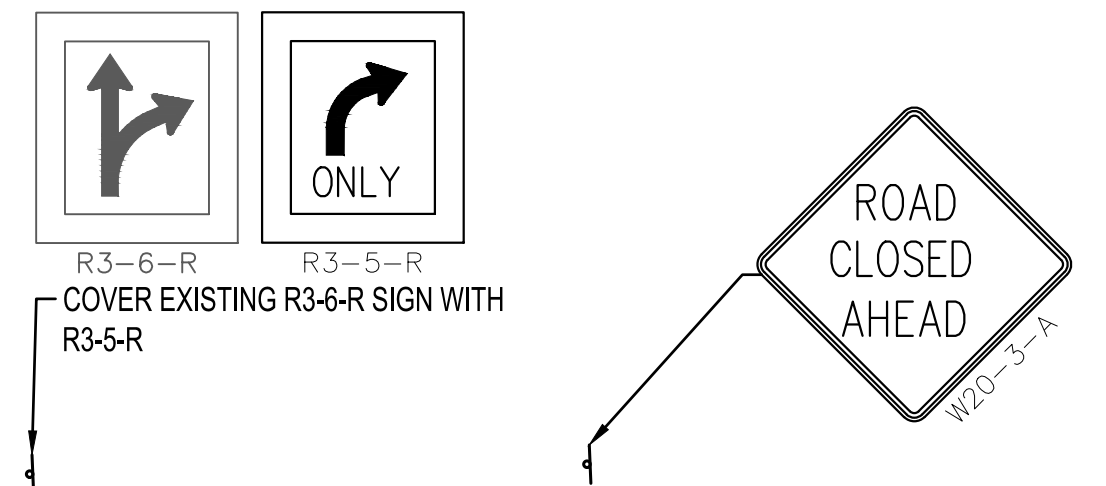
DRAWING NO.	DESCRIPTION
15C2	DESCRIPTION
15C3	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15D30	TRAFFIC CONTROL, SIDEWALK CLOSURE

**WISDOT SIGN PLATE MANUAL**

R3-1	NO RIGHT TURN SYMBOL
R3-7	RIGHT LANE MUST TURN RIGHT
R9-10	SIDEWALK CLOSED USE OTHER SIDE
R9-11	SIDEWALK CLOSED AHEAD W/ARROW
R11-2	ROAD CLOSED
R11-2L	LANE CLOSED
R11-4	ROAD CLOSED, LOCAL TRAFFIC ONLY
WO20-1	ROAD WORK AHEAD
WO20-3	ROAD CLOSED AHEAD

THE STANDARD PLATES ABOVE, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT



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PROJECT  
**LA CROSSE FIRE DEPARTMENT STORAGE FACILITY**  
\*\*\*\*

LA CROSSE WISCONSIN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

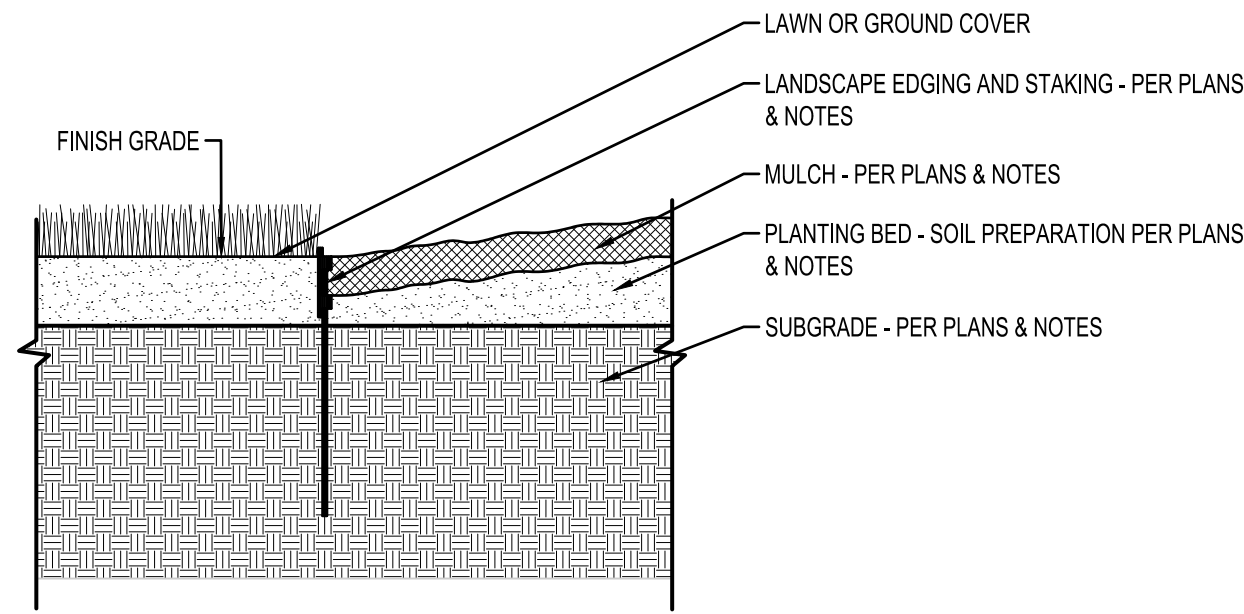
PROJECT NO.	16-18855
FILE NAME	18855 CS-TRAFFIC CONTROL
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	WAK
ORIGINAL ISSUE DATE	1/06/2017
CLIENT PROJECT NO.	-

TITLE  
**TRAFFIC CONTROL PLAN**

SHEET  
**C5-10**

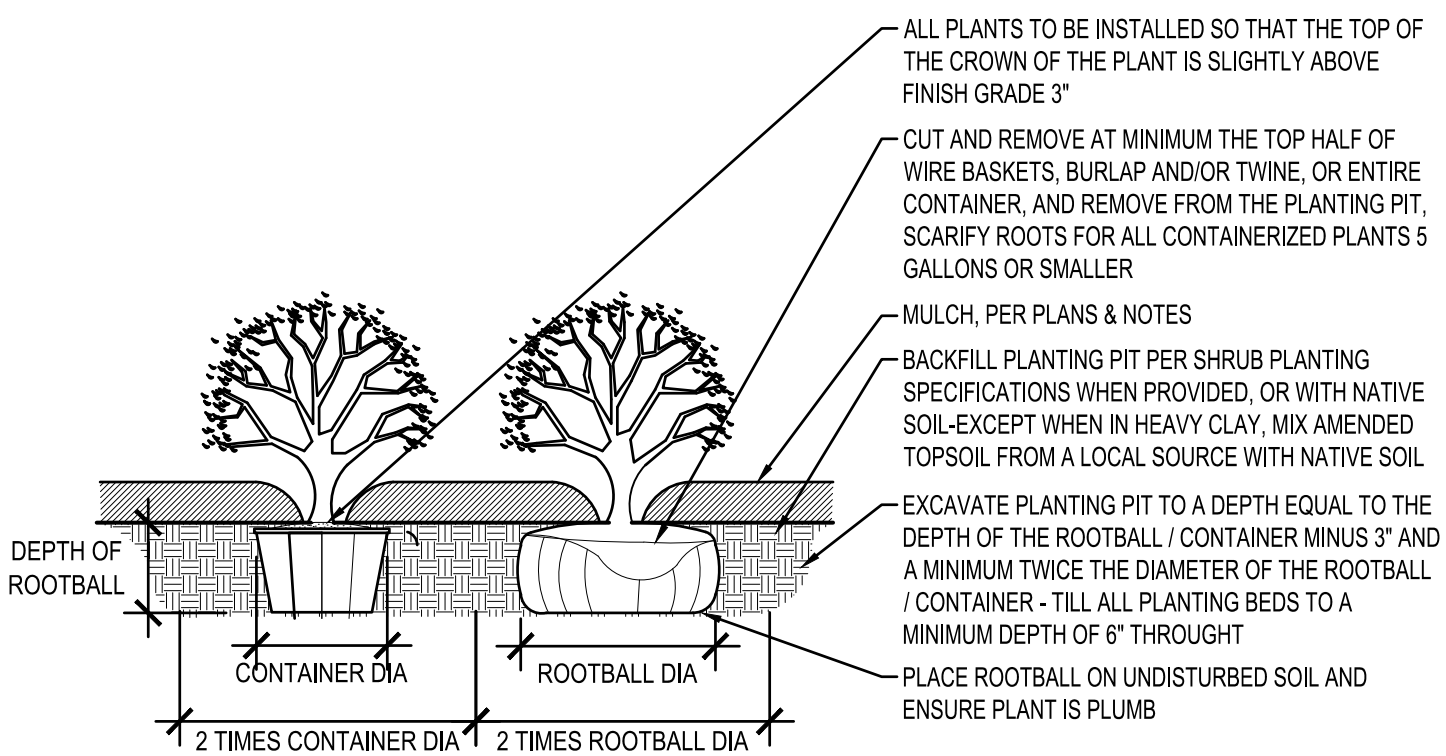
UTILITY LOCATIONS SHOWN ARE APPROXIMATE.  
CONTRACTOR IS RESPONSIBLE FOR LOCATING  
UTILITIES ON-SITE PRIOR TO CONSTRUCTION.

GOPHER STATE ONE CALL  
1-800-454-0002



**LANDSCAPE EDGING DETAIL**

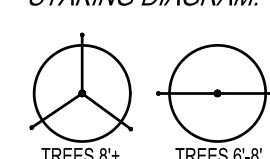
NO SCALE



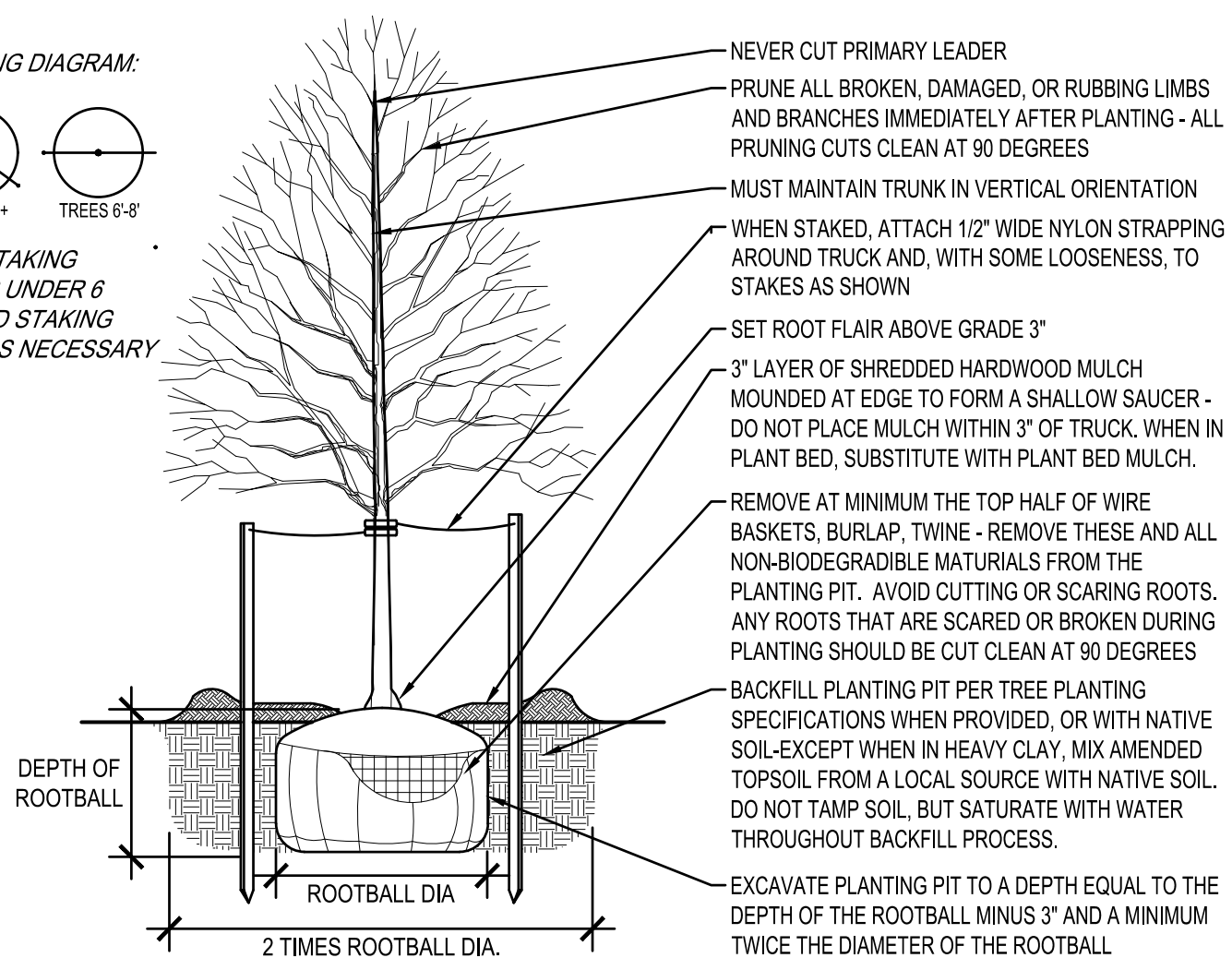
**SHRUB PLANTING DETAIL**

NO SCALE

**STAKING DIAGRAM:**

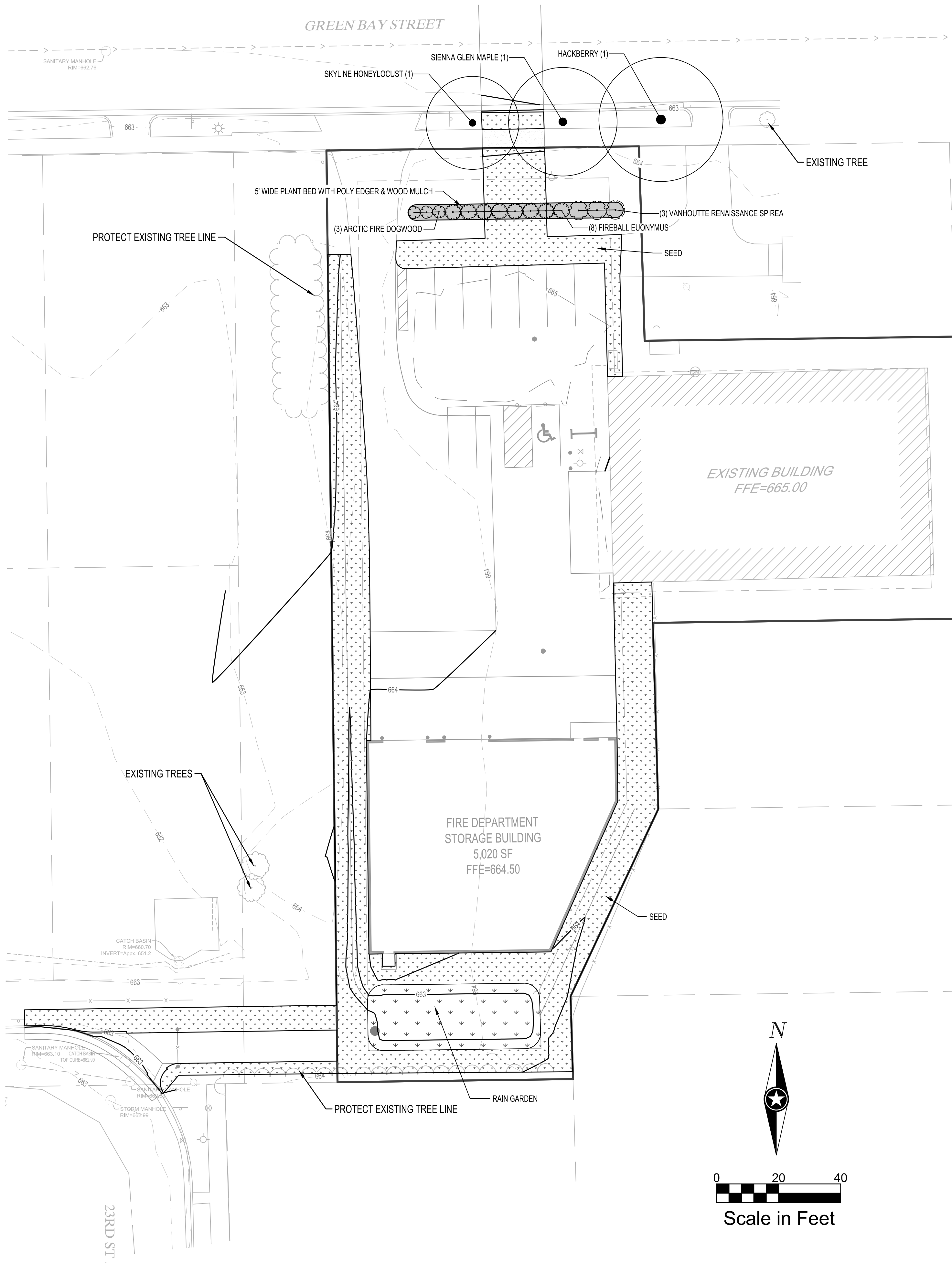


\*NO STAKING TREES UNDER 6'  
\*AVOID STAKING UNLESS NECESSARY



**TREE PLANTING DETAIL**

NO SCALE



LEGEND	
<b>EXISTING</b>	
	PROPERTY BOUNDARY
	PROPERTY LINE (OTHER)
	SETBACK
	CONTOUR (MAJOR)
	CONTOUR (MINOR)
<b>PROPOSED</b>	
	CONTOUR (MAJOR)
	CONTOUR (MINOR)
	EDGER
	SEED - WISDOT MIX #40
	RAIN GARDEN SEED - WISDOT MIX #75

**PLANT SCHEDULE**

OVERSTORY	QTY	COMMON NAME	SIZE	ROOT
HB	1	Hackberry <i>Celtis occidentalis</i>	2-1/2" Cal	B & B
SG	1	Sienna Glen Maple <i>Acer x freemanii</i> 'Sienna'	2-1/2" Cal	B & B
SK	1	Skyline Honeylocust <i>Gleditsia triacanthos</i> 'Skyline'	2-1/2" Cal	B & B
DEC. SHRUBS	QTY	COMMON NAME	SIZE	ROOT
AFD	3	Arctic Fire Dogwood <i>Cornus stolonifera</i> 'Arctic Fire'	24" Ht.	Cont
FBE	8	Fireball Euonymus <i>Euonymus alatus</i> 'Select'	24" Ht.	Cont
VRS	3	Vanhoutte Renaissance Spirea <i>Spiraea x vanhouttei</i> 'Renaissance'	24" Ht.	Cont

**GENERAL PLANTING NOTES**

- COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS (FENCE, FOOTINGS, TREE ROOTBALLS, ETC.). CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO OWNER'S REPRESENTATIVE PRIOR TO CONTINUING WORK.
- SAVE AND PROTECT ALL EXISTING TREES NOT NOTED TO BE REMOVED.
- REMOVE ALL CONSTRUCTION DEBRIS AND MATERIALS INJURIOUS TO PLANT GROWTH FROM PLANTING PITS AND BEDS PRIOR TO BACKFILLING WITH PLANTING MIX.
- LAWN AREAS SHALL HAVE 6" MINIMUM DEPTH OF TOPSOIL. TOPSOIL SHALL BE COMPACTED TO 85% MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT.
- REFER TO PLANTING DETAILS PLAN FOR AMENDED SOIL DEPTH IN PLANTING BEDS AND SURROUNDING TREES. REFER TO SPECIFICATIONS FOR MIX TYPE.
- FIELD STAKE PLANTINGS ACCORDING TO PLAN. OWNER'S REPRESENTATIVE SHALL APPROVE ALL PLANT LOCATIONS PRIOR TO INSTALLATION. OWNER RESERVES THE RIGHT TO REVISE PLANTING LAYOUT AT TIME OF INSTALLATION.
- ALL PLANT MATERIALS SHALL BE TRUE TO THEIR SCIENTIFIC NAME AND SIZE AS INDICATED IN THE PLANT SCHEDULE.
- IF DISCREPANCIES EXIST BETWEEN THE NUMBER OF PLANTS DRAWN ON THE PLANTING PLAN AND THE NUMBER OF PLANTS IN THE SCHEDULE, THE PLANTING PLAN SHALL GOVERN.
- OWNER RESERVES THE RIGHT TO REVISE QUANTITIES TO SUIT BUDGET LIMITATIONS. CONTRACTOR'S UNIT BID PRICES SHALL PREVAIL FOR ANY CHANGES IN QUANTITIES.
- ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE AND OWNER.
- ALL PLANT MATERIALS MUST CONFORM TO AMERICAN STANDARDS FOR NURSERY STOCK (A.N.S.I.), LATEST EDITION PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, WASHINGTON D.C. LARGER SIZED PLANT MATERIALS OF THE SPECIES LISTED MAY BE USED IF THE STOCK CONFORMS TO A.N.S.I.
- ALL PLANT MATERIAL SHALL BE GUARANTEED TO BE IN A LIVE AND HEALTHY GROWING CONDITION FOR ONE FULL GROWING SEASON (ONE YEAR) AFTER FINAL PROJECT ACCEPTANCE OR SHALL BE REPLACED FREE OF CHARGE WITH THE SAME GRADE AND SPECIES. ALL TREES SHALL HAVE A STRONG CENTRAL LEADER.
- CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE DUE TO OPERATIONS INSIDE AND OUTSIDE OF THE CONTRACT LIMIT LINE. ANY AREAS OUTSIDE THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
- ALL PLANTING BEDS SHALL HAVE SPADE DUG EDGES, EXCEPT WHERE NOTED OTHERWISE.
- PLANTING BED EDGING - USE 1/8" x 4" STEEL EDGING IN ALL AREAS WHERE PLANTING BED MEETS LAWN AREAS OR WHERE INDICATED. USE 1/2" METAL SPIKES AS INSTALLED BY MANUFACTURER.
- PROVIDE SHREDDED HARDWOOD MULCH, NATURAL COLOR, SURROUNDING ALL PROPOSED TREES TO A 3-INCH MINIMUM DEPTH AS SHOWN IN TREE PLANTING DETAIL. DO NOT USE AN UNDERLAYMENT SUCH AS PLASTIC SHEET OR LANDSCAPE FABRIC. IF LOCATED WITHIN A PLANT BED, SUBSTITUTE THIS MULCH WITH THE MULCH CALLED FOR WITHIN THAT PLANT BED. APPLY PRE-EMERGENT TO ALL PLANTING BEDS PRIOR TO MULCHING.
- PROVIDE SHREDDED HARDWOOD MULCH, NATURAL COLOR, IN ALL PLANTING BEDS 3-INCH MINIMUM DEPTH. DO NOT USE AN UNDERLAYMENT SUCH AS PLASTIC SHEET OR LANDSCAPE FABRIC. APPLY PRE-EMERGENT TO ALL PLANTING BEDS PRIOR TO MULCHING.
- ALL TURF AREAS DISTURBED BY CONSTRUCTION SHALL BE SODED. SOD SECTIONS SHALL BE NO SMALLER THAN 24" X 36" STAKED IN PLACE WITH BIODEGRADABLE SOD STAKES WHEN SLOPE IS STEEPER THAN 5:1 OR WHEN CONDITIONS REQUIRE.
- IRRIGATION REQUIRED - IRRIGATION SYSTEM SHALL BE CONSTRUCTED AS A 'DESIGN BUILD' PROJECT AND SERVICE ALL GREEN SPACE INCLUDING LAWN AND PLANTING BEDS. CONTRACTOR TO SUBMIT DRAWING FOR APPROVAL BY ENGINEER AND LANDSCAPE ARCHITECT.
- FOR PLANT, SHRUB, AND TREE LOCATIONS, CONTRACTOR IS PERMITTED TO USE DISCRETION AS NECESSARY TO AVOID DRIVEWAYS, UTILITIES, OR OTHER CONFLICTS. THE TOTAL NUMBER OF PLANTS, INCLUDING SHRUBS AND TREES SHALL MEET CITY CODE.
- INDICATED QUANTITIES ARE ESTIMATES AND SHOULD BE CONFIRMED BY THE CONTRACTOR/BIDDER.



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PROJECT

**LA CROSSE FIRE DEPARTMENT STORAGE FACILITY**

LA CROSSE WISCONSIN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

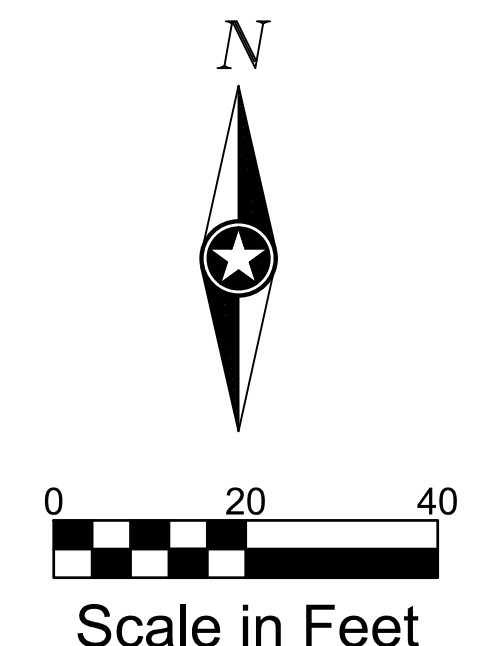
PROJECT NO.	16-18855
FILE NAME	18855 C6-RESTORATION
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	WAK
ORIGINAL ISSUE DATE	1/06/2017
CLIENT PROJECT NO.	-

TITLE

**SITE RESTORATION & PLANTING PLAN**

SHEET

**C6-10**





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PROJECT

### LA CROSSE FIRE DEPARTMENT STORAGE FACILITY

LA CROSSE WISCONSIN

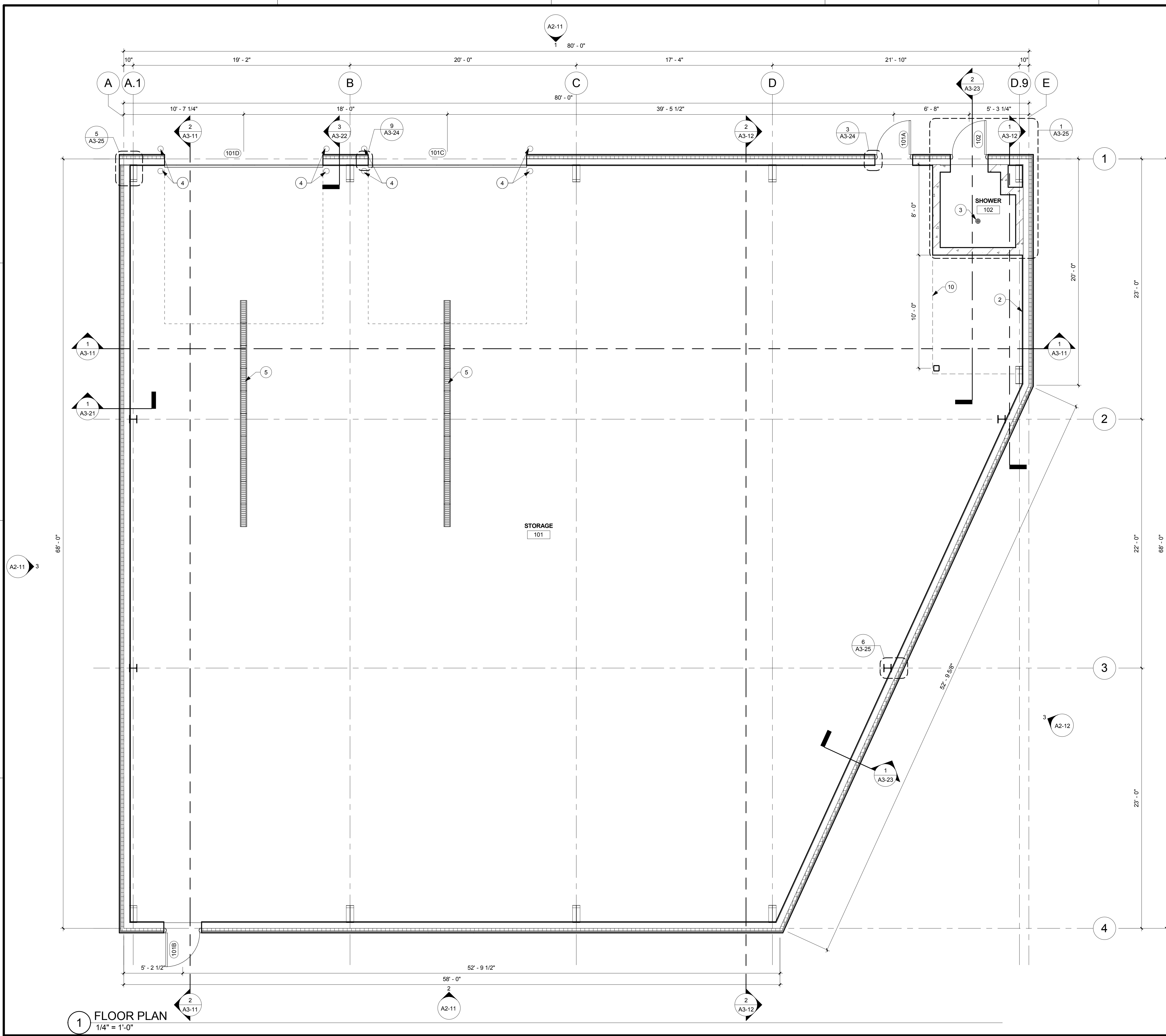
REVISION SCHEDULE		
NO	DATE	DESCRIPTION

PROJECT NO. 18855  
 FILE NAME 18855 Arch R16.rvt  
 DRAWN BY RRW  
 DESIGNED BY KMB  
 REVIEWED BY KMB  
 ORIGINAL ISSUE DATE 1/06/2017  
 CLIENT PROJECT NO.

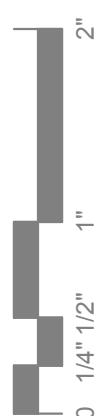
TITLE  
**FLOOR PLAN**

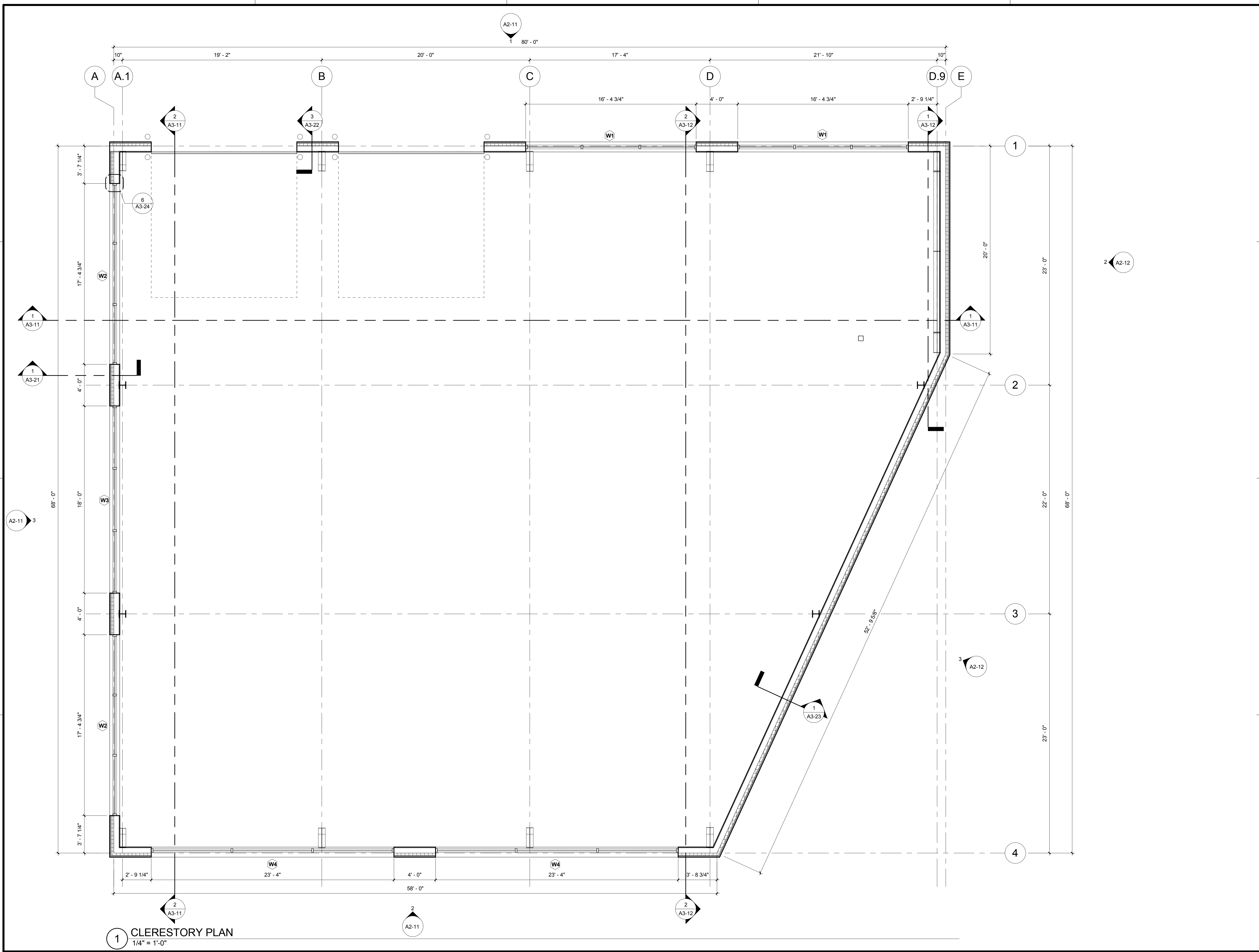
SHEET  
**A1-21**

KEYNOTE LEGEND	
2	ELECTRICAL PANELS. REFER TO ELECTRICAL DOCUMENTS.
3	FLOOR DRAIN SHOWN FOR REFERENCE, REFER TO MECHANICAL DOCUMENTS.
4	PIPE BOLLARD, TYP. REFER TO DETAIL.
5	TRENCH DRAIN SHOWN FOR REFERENCE, REFER TO MECHANICAL DOCUMENTS.
10	MEZZANINE ABOVE FOR STORAGE ONLY.



**1 FLOOR PLAN**  
1/4" = 1'-0"





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PROJECT  
**LA CROSSE FIRE DEPARTMENT STORAGE FACILITY**  
 LA CROSSE WISCONSIN

REVISION SCHEDULE		
NO	DATE	DESCRIPTION

PROJECT NO. 18855  
 FILE NAME 18855 Arch R16.rvt  
 DRAWN BY RRW  
 DESIGNED BY KMB  
 REVIEWED BY KMB  
 ORIGINAL ISSUE DATE 1/06/2017  
 CLIENT PROJECT NO.

TITLE  
**CLERESTOREY PLAN**

SHEET  
**A1-22**

**1 CLERESTOREY PLAN**  
 1/4" = 1'-0"

0 1/4" 1/2" 1" 2"





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PROJECT  
**LA CROSSE FIRE DEPARTMENT STORAGE FACILITY**

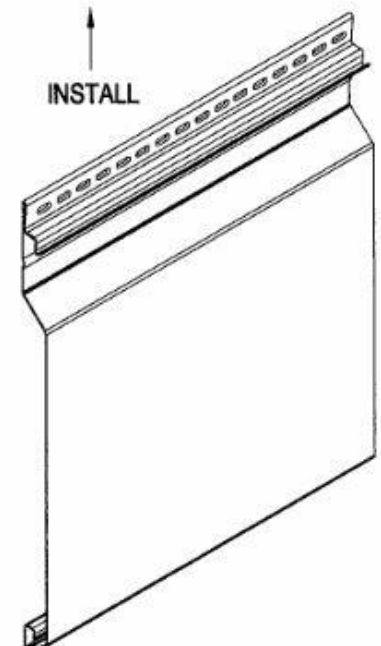
LA CROSSE WISCONSIN

REVISION SCHEDULE		
NO	DATE	DESCRIPTION

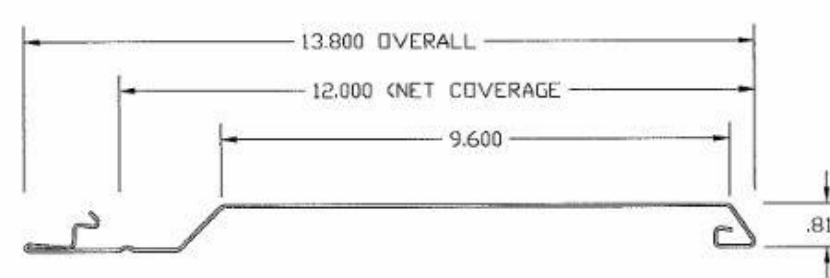
PROJECT NO.	18855
FILE NAME	18855 Arch R16.rvt
DRAWN BY	RRW
DESIGNED BY	KMB
REVIEWED BY	KMB
ORIGINAL ISSUE DATE	1/06/2017
CLIENT PROJECT NO.	

TITLE  
**EXTERIOR ELEVATIONS**

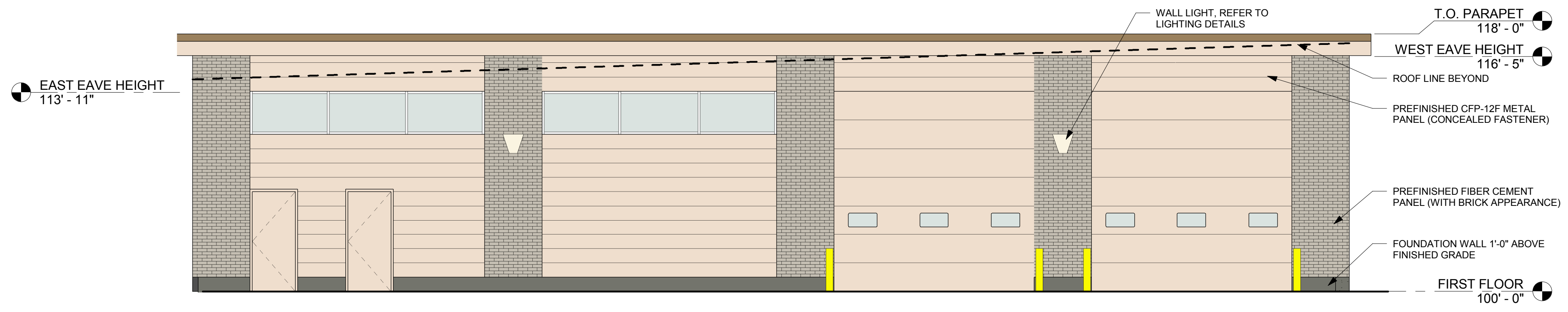
SHEET  
**A2-11**



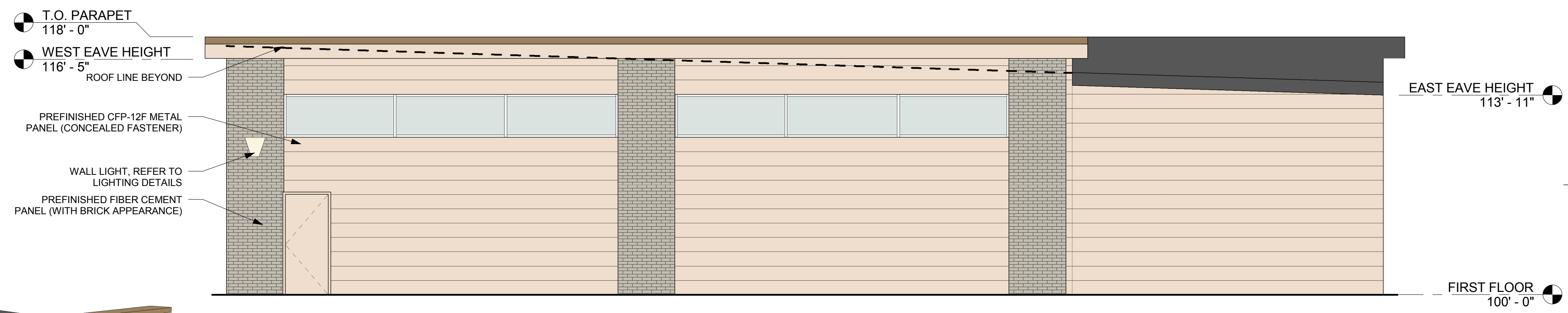
ITEM NUMBER: CFP-12  
NET COVERAGE: 12" (1' 0")  
MAXIMUM LENGTH: (40 feet)



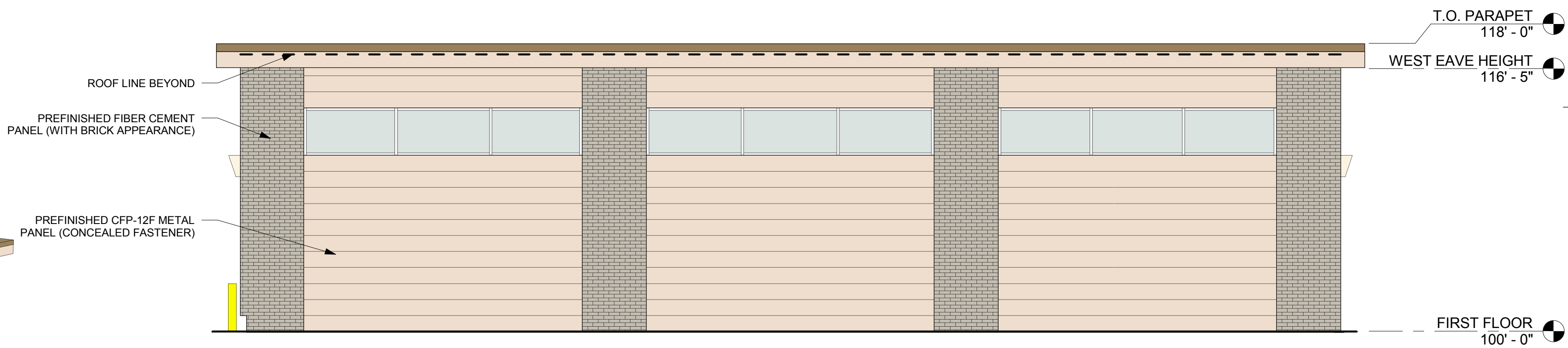
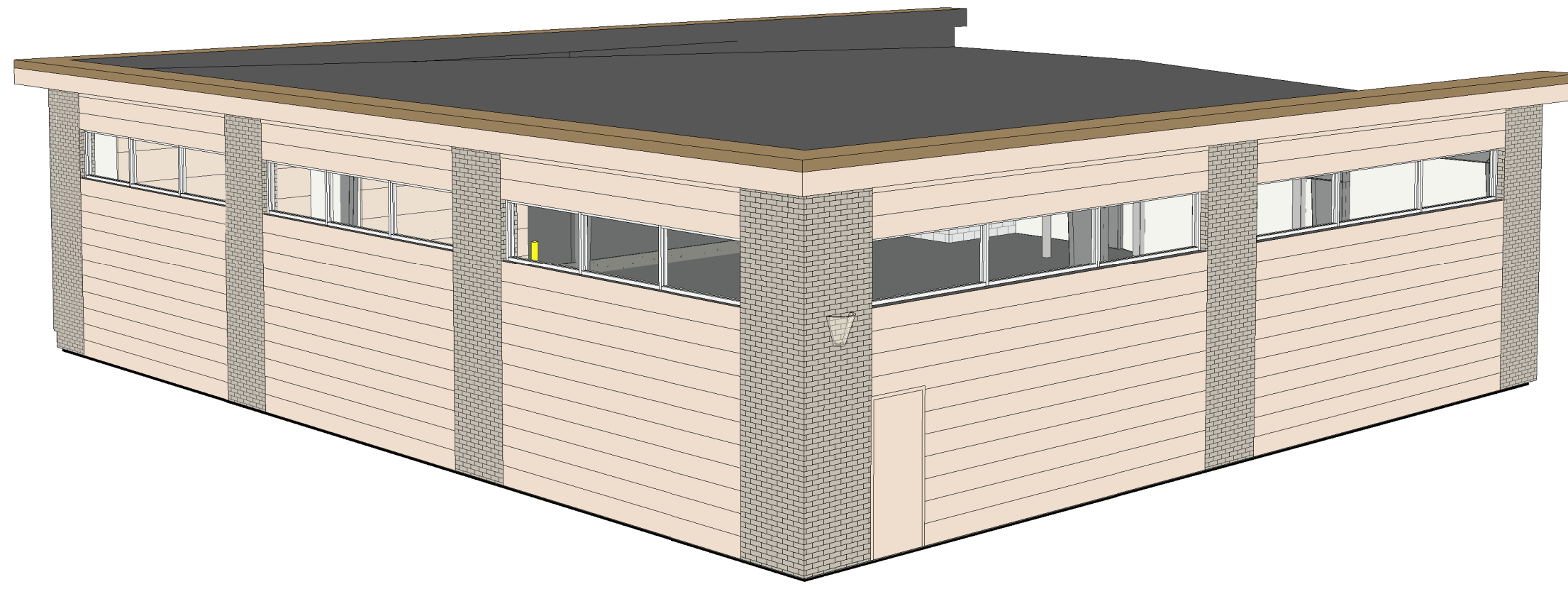
4 METAL PANEL PROFILE (CFP-12) - PEIR  
1 1/2" = 1'-0"



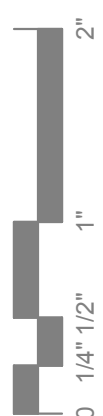
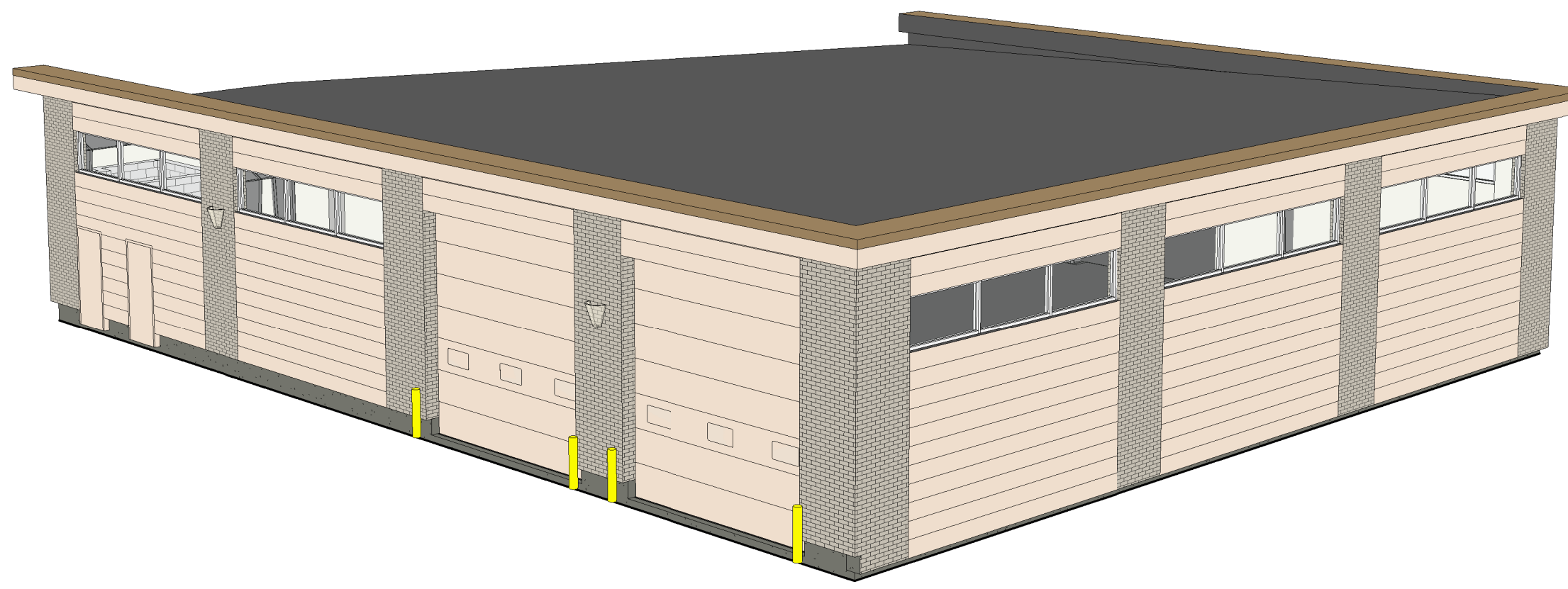
1 SOUTH ELEVATION  
3/16" = 1'-0"



2 NORTH ELEVATION  
3/16" = 1'-0"



3 EAST ELEVATION  
3/16" = 1'-0"





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PROJECT

### LA CROSSE FIRE DEPARTMENT STORAGE FACILITY

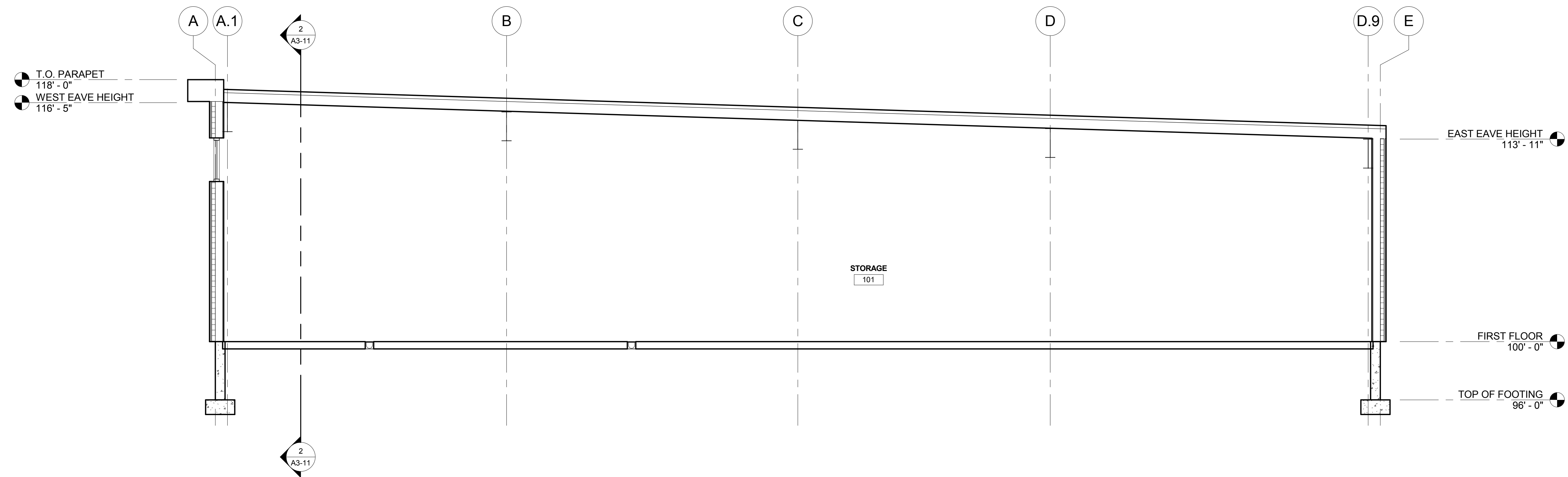
LA CROSSE WISCONSIN

REVISION SCHEDULE		
NO	DATE	DESCRIPTION

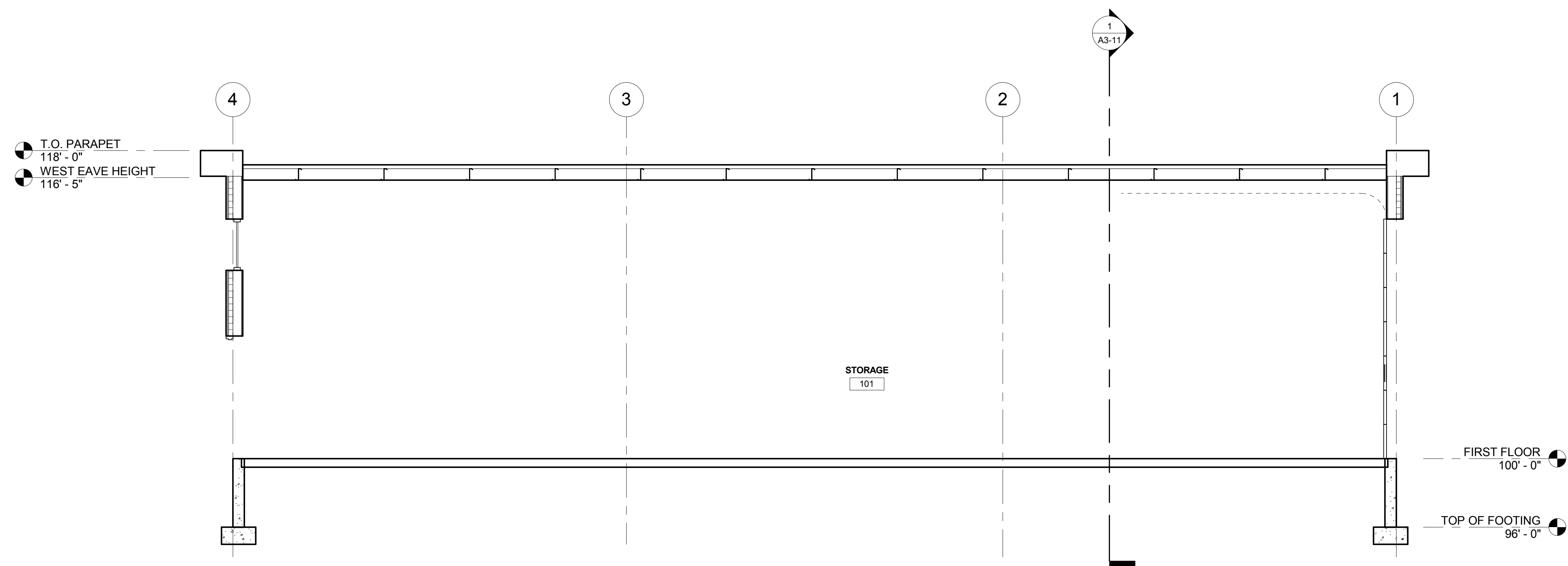
PROJECT NO.	18855
FILE NAME	18855 Arch R16.rvt
DRAWN BY	RRW
DESIGNED BY	KMB
REVIEWED BY	KMB
ORIGINAL ISSUE DATE	1/06/2017
CLIENT PROJECT NO.	

TITLE  
**BUILDING  
SECTIONS**

SHEET  
**A3-11**



**1** BUILDING SECTION  
1/4" = 1'-0"



**2** BUILDING SECTION  
1/4" = 1'-0"





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PROJECT

**LA CROSSE FIRE DEPARTMENT STORAGE FACILITY**

LA CROSSE WISCONSIN

REVISION SCHEDULE		
NO	DATE	DESCRIPTION

PROJECT NO.	18855
FILE NAME	18855 Arch R16.rvt
DRAWN BY	RRW
DESIGNED BY	KMB
REVIEWED BY	KMB
ORIGINAL ISSUE DATE	1/06/2017
CLIENT PROJECT NO.	

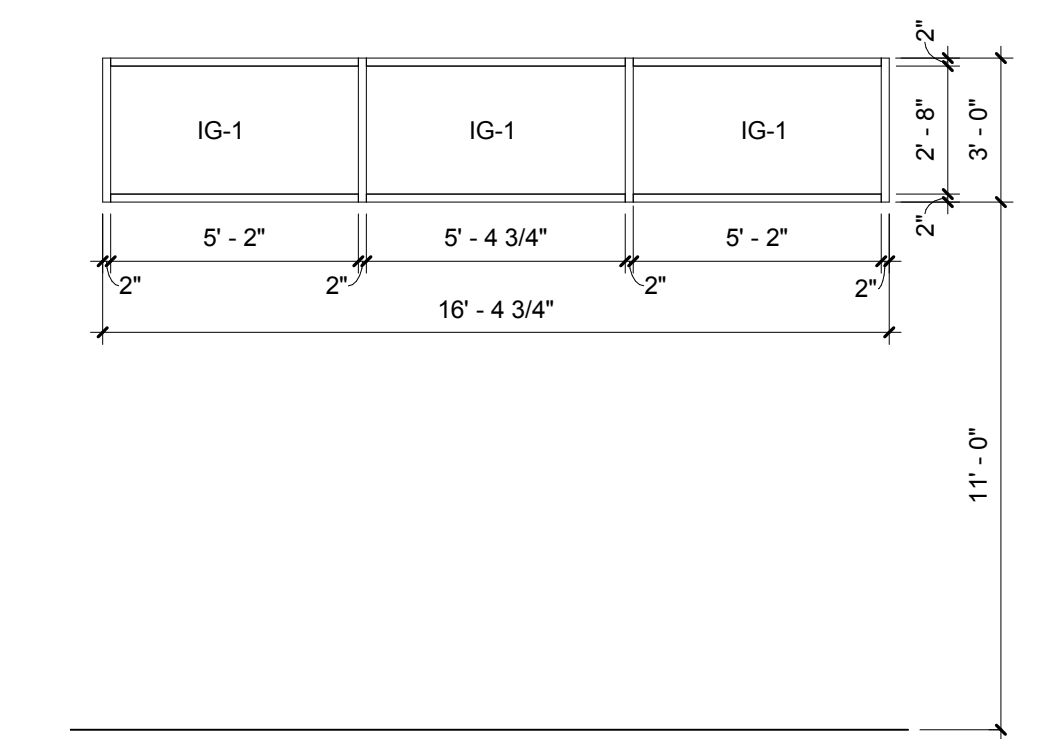
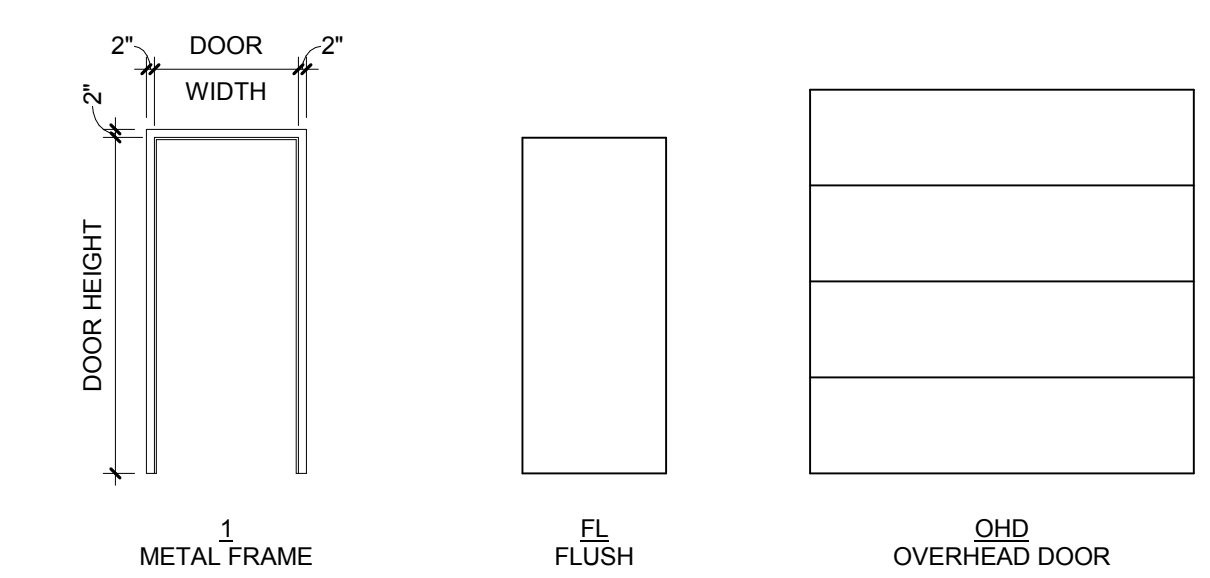
**DOOR SCHEDULE, DOOR AND FRAME TYPES**

SHEET  
**A4-11**

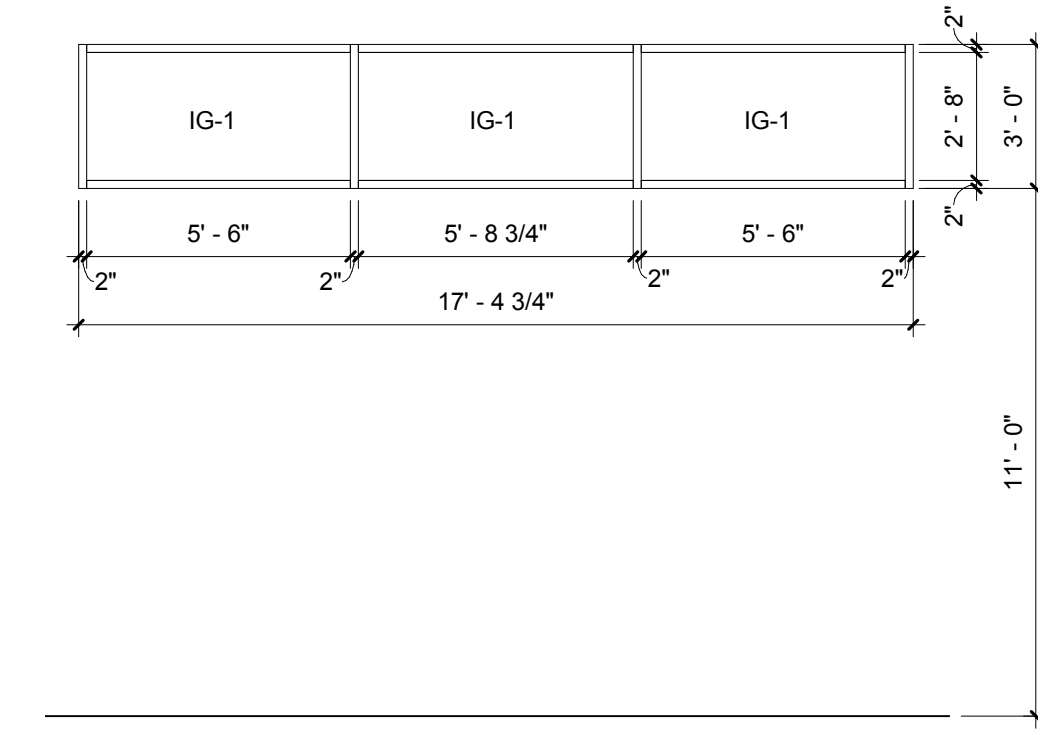
DOOR SCHEDULE										
MARK	ROOM NAME	WIDTH	HEIGHT	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	FRAME MATERIAL	HARDWARE GROUP	FIRE RATING	COMMENTS
101A	STORAGE	3'-0"	7'-0"	FL	HOLLOW METAL	1	HOLLOW METAL			
101B	STORAGE	3'-0"	7'-0"	FL	HOLLOW METAL	1	HOLLOW METAL			
101C	STORAGE	14'-0"	14'-0"	OHD	INSULATED STEEL	-	-			
101D	STORAGE	14'-0"	14'-0"	OHD	INSULATED STEEL	-	-			
102	SHOWER	3'-0"	7'-0"	FL	HOLLOW METAL	1	HOLLOW METAL			

GLAZING SCHEDULE			
MARK	MATERIAL	THICKNESS	COMMENTS
IG-1	CLEAR INSULATED LOW-E	1"	EXTERIOR WINDOWS

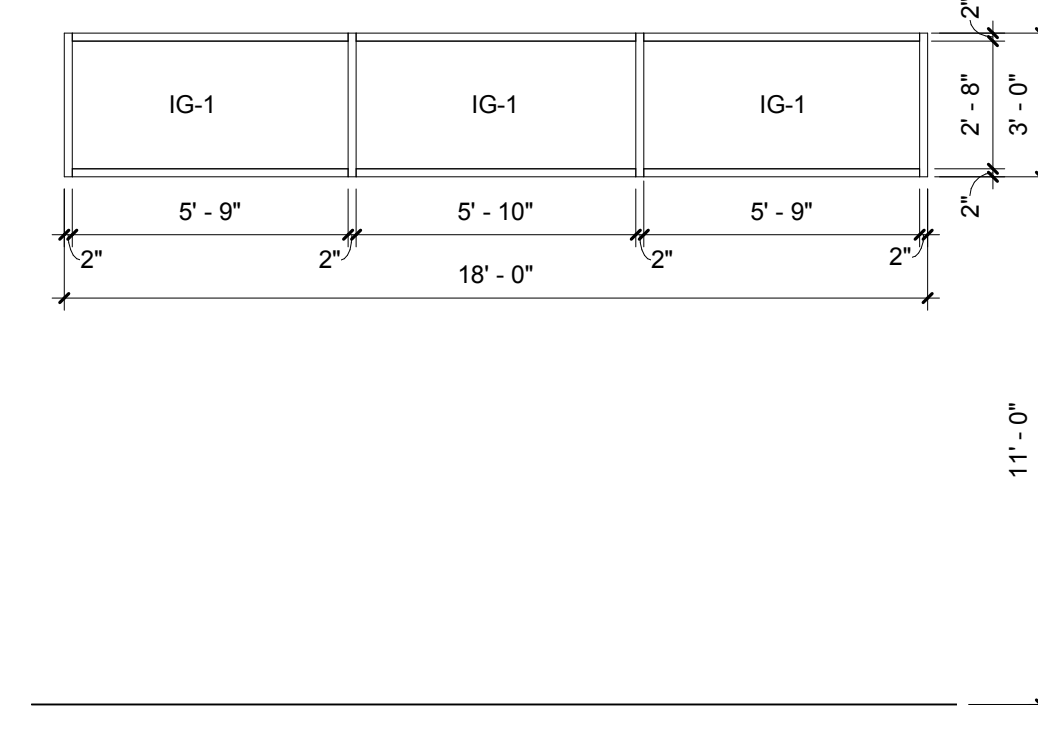
**FRAME TYPES DOOR TYPES**



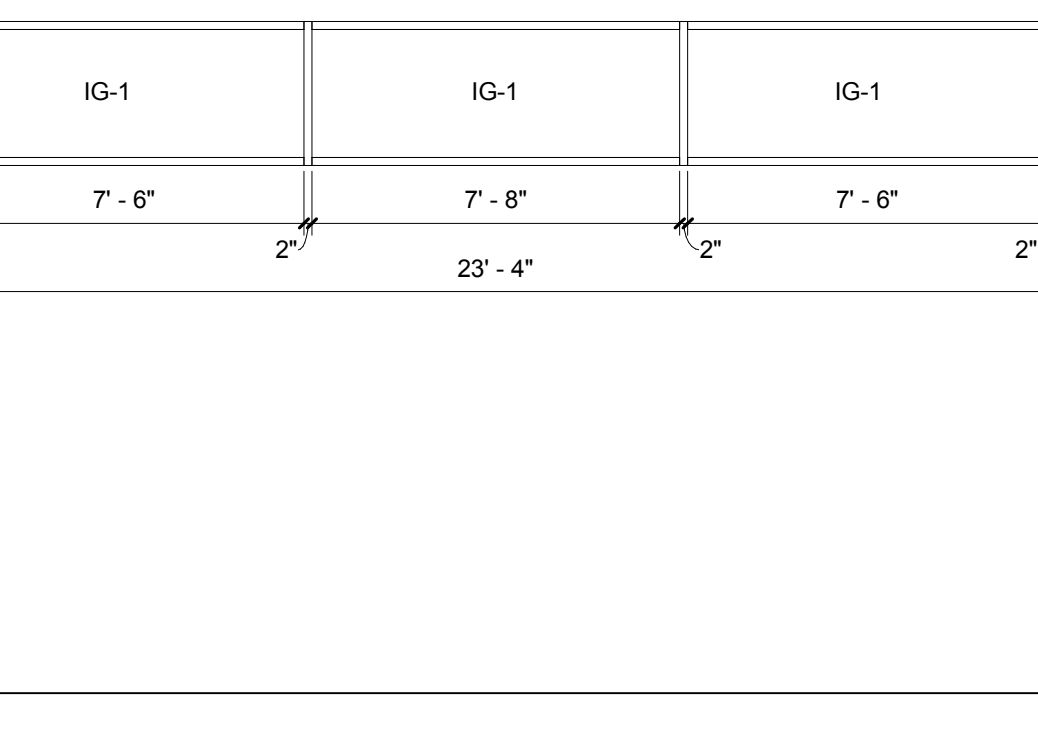
2 W1  
1/4" = 1'-0"



3 W2  
1/4" = 1'-0"



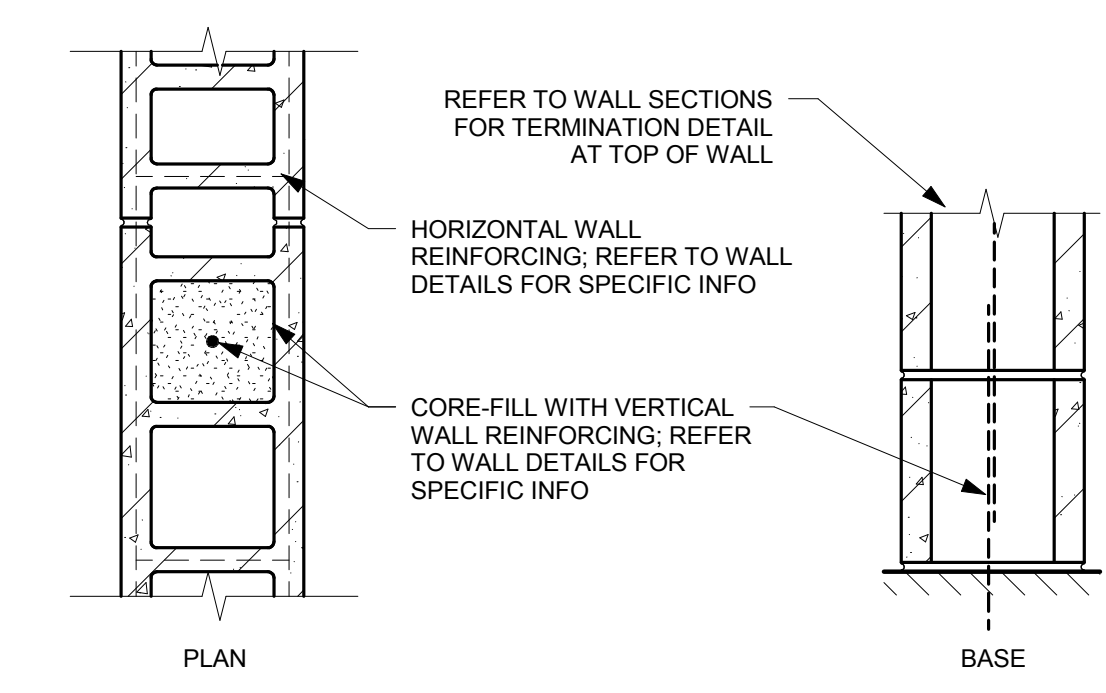
4 W3  
1/4" = 1'-0"



5 W4  
1/4" = 1'-0"

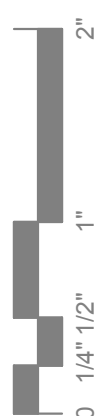
- GENERAL INTERIOR PARTITION NOTES:**
- NOT ALL WALL TYPES LISTED APPLY TO THIS PROJECT. REFER TO FLOOR PLAN FOR LOCATIONS AND ADDITIONAL NOTES.
  - LIGHT GAUGE STEEL FRAMING MEMBER DESIGNATION SYSTEM: (REFER TO STRUCTURAL NOTES)
    - 600S125-54 (EQUIVALENT TO 6" x 16 GAUGE STUD OR JOIST WITH 1 1/4" FLANGES)
    - MINIMUM BASE METAL THICKNESS IN MILS. EXAMPLE - .054 = 54 MILS)
      - 18 = 25 GAUGE
      - 27 = 22 GAUGE
      - 30 = 20 GAUGE (DRYWALL)
      - 33 = 20 GAUGE (STRUCTURAL)
      - 43 = 18 GAUGE
      - 54 = 16 GAUGE
      - 68 = 14 GAUGE
      - 97 = 12 GAUGE
    - FLANGE WIDTH (1/100 INCHES): EXAMPLE - 125 = 1.25"
    - STYLE: S = STUD OR JOIST SECTION (WITH FLANGE STIFFENERS) = [ ]
    - T = TRACK SECTION = [ ]
    - U = CHANNEL SECTION (STUDS WITHOUT FLANGE STIFFENERS) = [ ]
    - F = FURRING CHANNEL = [ ]
    - Z = ZEE SECTION = [ ]
    - MEMBER DEPTH (1/100 INCHES): EXAMPLE - 600 = 6"
  - ALL PARTITIONS CONTAINING PLUMBING OR HAVING AN EXTERIOR FACE SHALL BE INSULATED.
  - REFERENCE FLOOR FINISH PLANS AND WALL FINISH PLANS FOR ADDITIONAL FINISHES NOT INDICATED ON PARTITION TYPES.
  - REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF WALL PENETRATIONS. SEAL ALL OPENINGS WITH ACOUSTICAL SEALANT.
  - PROVIDE FIRE-TREATED WOOD OR STEEL BACKING FOR ALL WALL-MOUNTED FINISH CARPENTRY, ARCHITECTURAL WOODWORK, TOILET PARTITIONS, ACCESSORIES AND OTHER SIMILAR ITEMS.

- INTERIOR PARTITION KEY NOTES:**
- NOT ALL KEY NOTES APPLY TO PROJECT. VERIFY WITH SPECIFIC WALL TYPE.
- INCLUDE FIBERGLASS SOUND INSULATION.
  - PROVIDE FIRE-RATED SEALANT AT WALL BASE, TOP AND AROUND ALL PENETRATIONS.
  - REFER TO 2012 IBC TABLE 722.3.2 (OR 2009 IBC TABLE 721.3.2 IF APPLICABLE FOR THE AREA OF CONSTRUCTION) FOR CALCULATED FIRE-RESISTANCE RATING.
  - SPECIAL 8" BLOCK WITH 1.75" MIN. FACE SHELL THICKNESS.
  - REFER TO MANUFACTURER'S SPECIFICATIONS FOR STANDARD CONNECTION DETAILS, SPECIFIC R-VALUE AND ADDITIONAL INFORMATION.
  - REFER TO SPECIFICATIONS FOR SPECIFIC WALL PANEL FACE FINISH AND PROFILE.
  - INCLUDE ACOUSTIC SEALANT AT WALL BASE AND TOP TERMINATION, BOTH SIDES OF WALL.



WALL TYPE	BLOCK SIZE (NOMINAL WIDTH AND HEIGHT)	CALCULATED FIRE RATING	REINFORCING	COMMENTS
M4	4x8			
M6	6x8		REFER TO WALL DETAILS FOR SPECIFIC INFO	
M8	8x8			

1 WALL TYPE M (INTERIOR NON-RATED MASONRY)  
1 1/2" = 1'-0"





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PROJECT

### LA CROSSE FIRE DEPARTMENT STORAGE FACILITY

LA CROSSE WISCONSIN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	16-18855
FILE NAME	18855 E1-SITE LIGHTING
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	WAK
ORIGINAL ISSUE DATE	1/06/2017
CLIENT PROJECT NO.	-

TITLE

### PHOTOMETRIC PLAN

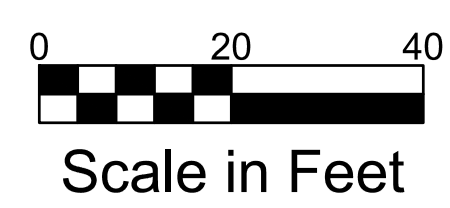
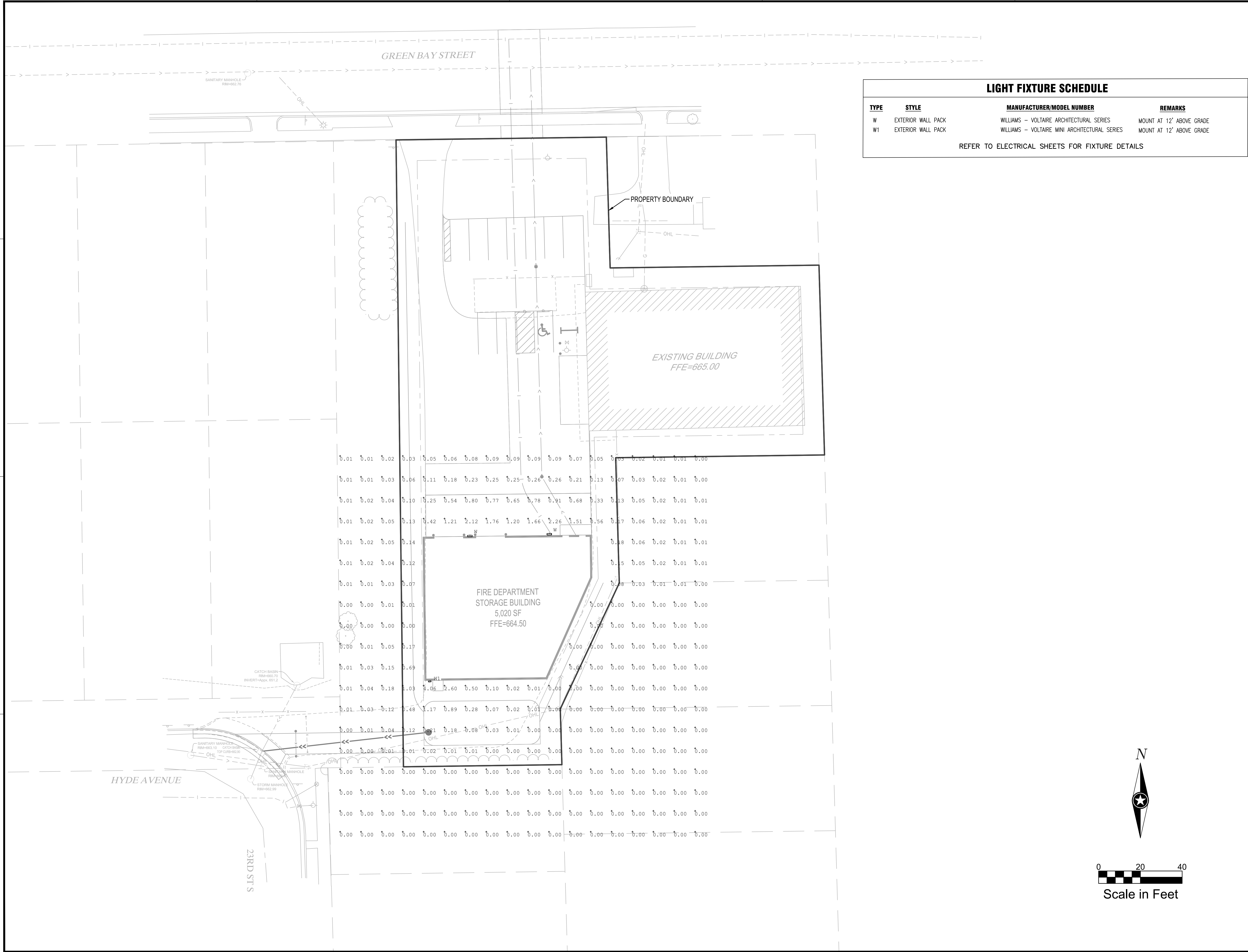
SHEET

# E1-10

### LIGHT FIXTURE SCHEDULE

TYPE	STYLE	MANUFACTURER/MODEL NUMBER	REMARKS
W	EXTERIOR WALL PACK	WILLIAMS - VOLTAIRE ARCHITECTURAL SERIES	MOUNT AT 12' ABOVE GRADE
W1	EXTERIOR WALL PACK	WILLIAMS - VOLTAIRE MINI ARCHITECTURAL SERIES	MOUNT AT 12' ABOVE GRADE

REFER TO ELECTRICAL SHEETS FOR FIXTURE DETAILS





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PROJECT

# LA CROSSE FIRE DEPARTMENT STORAGE FACILITY

LA CROSSE WISCONSIN

REVISION SCHEDULE		
DATE	DESCRIPTION	BY

PROJECT NO.	16-18855
FILE NAME	18855 E1-SITE LIGHTING
DRAWN BY	CLF
DESIGNED BY	KBR
REVIEWED BY	WAK
ORIGINAL ISSUE DATE	1/06/2017
CLIENT PROJECT NO.	-

TITLE

## LIGHTING DETAILS

SHEET

# E1-20

### VOLTAIRE ARCHITECTURAL WALL PACK

CATALOG #: \_\_\_\_\_ TYPE: \_\_\_\_\_

PROJECT: \_\_\_\_\_ NOTES: \_\_\_\_\_

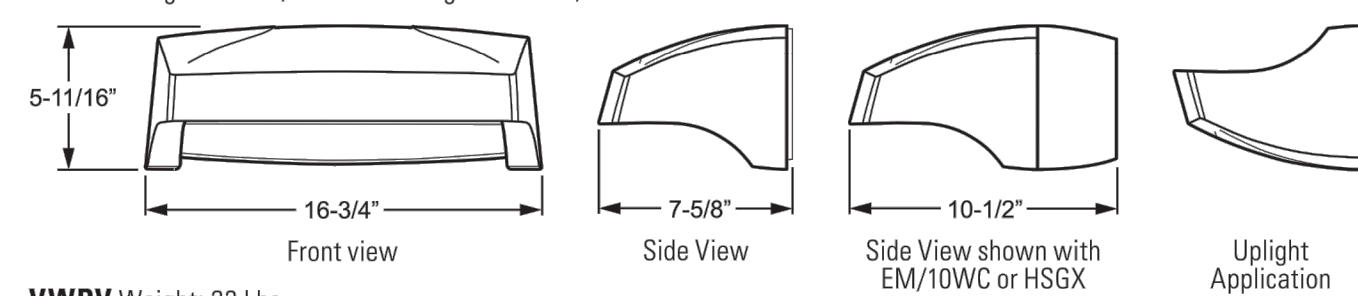
EXAMPLE **VWP H - L30/740 - T3 - DBZ - SDGL - OPTIONS - DIM - UNV**

SERIES TYPE LUMEN PACKAGE CRI & CCT DISTRIBUTION FINISH SHIELDING OPTIONS DRIVER VOLTAGE

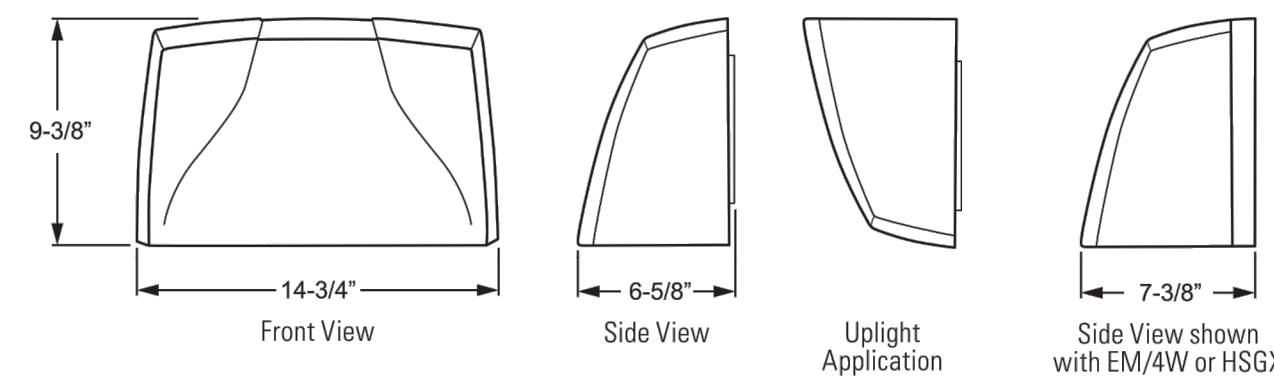


#### CROSS SECTIONS

**VWPH** Weight: 15 Lbs; maximum weight with EM/10WC or HSGX: 27 lbs.



**VWPV** Weight: 23 Lbs



#### ORDERING INFORMATION

<b>SERIES</b> VWP Voltaire Architectural Wall Pack	<b>OPTIONS</b> See page 3 for option details.												
<b>TYPE</b> H Horizontal V Vertical	<b>EM/4W</b> 4-watt integral emergency LED driver, 500 lumen output (120-277V only) VWPV includes housing extension (increases fixture depth)												
<b>LED PACKAGE</b> See back for fixture performance data.	<b>SF</b> Single fuse (120V, 277V, or 347V only; must specify voltage)												
<table border="1"> <thead> <tr> <th>LUMEN PACKAGE</th> <th>NOMINAL LUMENS</th> <th>MINIMUM CRI &amp; CCT</th> <th>AVERAGE SYSTEM WATTAGE</th> </tr> </thead> <tbody> <tr> <td>L30</td> <td>3,000</td> <td>730 = 70 CRI, 3000K 740 = 70 CRI, 4000K 750 = 70 CRI, 5000K</td> <td>36</td> </tr> <tr> <td>L60</td> <td>6,000</td> <td></td> <td>70</td> </tr> </tbody> </table>	LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	AVERAGE SYSTEM WATTAGE	L30	3,000	730 = 70 CRI, 3000K 740 = 70 CRI, 4000K 750 = 70 CRI, 5000K	36	L60	6,000		70	<b>DF</b> Double fuse (208V, 240V, or 480V only; must specify voltage)
LUMEN PACKAGE	NOMINAL LUMENS	MINIMUM CRI & CCT	AVERAGE SYSTEM WATTAGE										
L30	3,000	730 = 70 CRI, 3000K 740 = 70 CRI, 4000K 750 = 70 CRI, 5000K	36										
L60	6,000		70										
<b>DISTRIBUTION</b> T3 Type III TFT Type Forward Throw	<b>PC</b> Factory-installed button-style photocell (120V, 208V, or 277V only; must specify voltage)												
<b>FINISH OPTIONS</b> For custom color, visit the VWP at hew.com. <sup>1</sup> BLK Black (RAL #9004) DBZ Dark bronze DBR Medium bronze GRAY Standard gray SLV Satin aluminum (RAL #9006) WHT White (RAL #9003)	<b>HSGX</b> Empty housing extension used to match units with EM or OCC option. Conduit entry options available. See page 3 for details. CR Right side conduit entry CL Left side conduit entry CD Dual conduit entry (left and right)												
<b>SHIELDING</b> SDGL Solite® diffused textured tempered glass lens CGL Clear tempered glass lens	<b>VWPH ONLY</b> EM/10WC 10-watt emergency LED driver, 1000 lumen output, low temperature, includes housing extension (increases fixture depth; 120-277V only)												
	<b>OCCWS FSP-211-L</b> Factory-installed occupancy sensor, includes housing extension (increases fixture depth), must specify lens, see page 2 for details. Optional FSIR-100 remote controller available, ordered separately, see accessories.												
	<b>ACCESSORIES (VWPH only)</b> FSIR-100 Remote controller for occupancy sensor <sup>2</sup>												
	<b>DRIVER</b> DIM Dimming driver prewired for 0-10V controls												
	<b>VOLTAGE</b> 120 120V UNV 120-277V 208 208V 347 347V 277 277V 480 480V												

#### FEATURES

- GENERAL**
- Engineered with the highest quality materials to ensure reliability, performance, and quality.
  - Provides security and accent lighting for walkways, entries, perimeters, and facades.
  - Intended for use in both uplight and downlight applications.
  - Aesthetically designed horizontal and vertical housings blend seamlessly with a variety of architectural styles.
  - Purposefully modeled to allow runoff of dirt and water for an always-clean appearance.
  - Architectural housing extension option can be used with or without EM to maintain aesthetics throughout an entire project
  - Optional energy-saving photocell/occupancy sensor available.
  - Rated >50,000 hours at 70% lumen maintenance (L70).
  - ANSI 3000K, 4000K or 5000K CCT; minimum 70 CRI.
  - Available in six standard finish options.
  - This fixture is proudly made in the USA.
- THERMAL**
- Integral die-cast aluminum heatsink provides optimal passive thermal management.
  - Concealed heatsink design preserves architectural appearance.
  - Rated for -30°C to 40°C ambient operating temperature (-20°C to 40°C with EM/10WC, 0°C to 39°C with EM/4W).
- OPTICAL**
- Acrylic precision optics produce standard IES distributions.
  - Full cutoff, dark-sky compliant optics (downlight only) place light where it's needed with minimal glare.
- ELECTRICAL**
- 0-10V dimming standard.
  - 10kA/10kV surge protection standard.
  - LED system is designed to minimize electrical connection points for increased reliability.

<sup>1</sup> For custom colors other than RAL, manufacturers' code plus two swatches (minimum 1" square) required.  
<sup>2</sup> Please specify quantity required per project.

### VOLTAIRE MINI ARCHITECTURAL WALL PACK

CATALOG #: \_\_\_\_\_ TYPE: \_\_\_\_\_

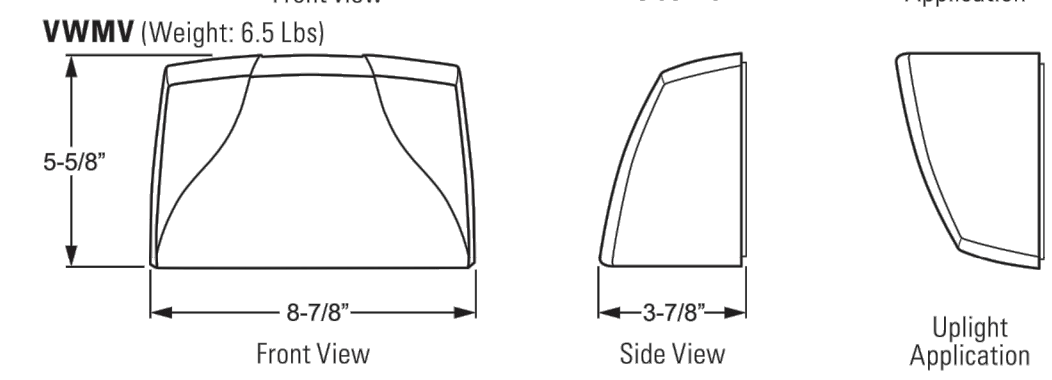
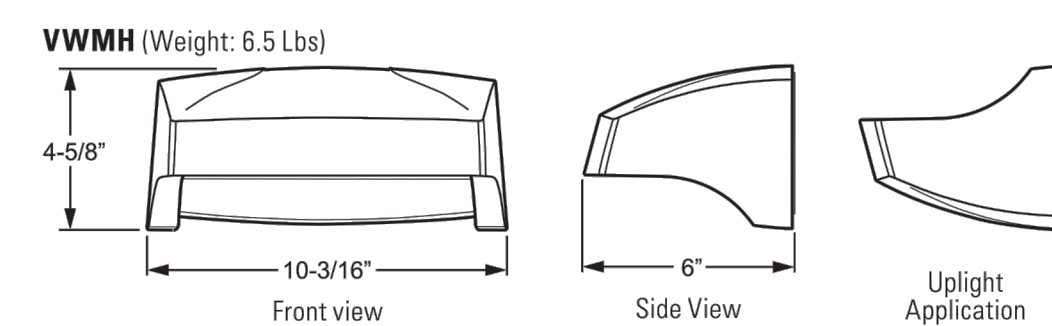
PROJECT: \_\_\_\_\_ NOTES: \_\_\_\_\_

EXAMPLE **VWM H - L20/740 - T3 - DBZ - SDGL - OPTIONS - DIM - UNV**

SERIES TYPE LUMEN PACKAGE CRI & CCT DISTRIBUTION FINISH SHIELDING OPTIONS DRIVER VOLTAGE



#### CROSS SECTIONS



#### ORDERING INFORMATION

<b>SERIES</b> VWM Voltaire Mini Architectural Wall Pack	<b>FINISH OPTIONS</b> For custom color, visit the VWM at hew.com. <sup>1</sup> BLK Black (RAL #9004) DBZ Dark bronze DBR Medium bronze GRAY Standard gray SLV Satin aluminum (RAL #9006) WHT White (RAL #9003)																
<b>TYPE</b> H Horizontal V Vertical	<b>SHIELDING</b> SDGL Solite® diffused textured tempered glass lens CGL Clear tempered glass lens																
<b>LED PACKAGE</b> See back for fixture performance data.	<b>OPTIONS</b> See back for option details. PC Factory-installed button-style photocell (120V, 208V, or 277V only; must specify voltage) 10kA/10kV surge protection																
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L17	1,700		16														
L20	2,000	730 = 70 CRI, 3000K 740 = 70 CRI, 4000K 750 = 70 CRI, 5000K	25														
<b>DISTRIBUTION</b> TL Lambertian distribution (L10 & L17 only) T3 Type III (L20 only)	<b>VOLTAGE</b> 120 120V 208 208V 277 277V UNV 120-277V																

<sup>1</sup> For custom colors other than RAL, manufacturers' code plus two swatches (minimum 1" square) required.