



| Summit Credit Union
1288 S. 1st Street
Phase 2 Freshwater Plaza
Milwaukee, WI

| Plan Commission



To: Milwaukee Plan Commission

Project: Summit Credit Union Branch Office
1288 S. 1st Street
Phase 2 Freshwater Plaza
Milwaukee, WI

Applicants' Contact: Summit Credit Union
4800 American Parkway
Madison Wisconsin 53718
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608-243-5000, extension 7974

Architect: Strang, Inc.
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Madison, WI 53703
Attn: Austen Conrad
608-276-9200

Civil Engineer: The Sigma Group, Inc.
1300 West Canal Street
Milwaukee, WI 53233
Attn: Christopher Carr
414-643-4200

Landscape Architect: The Sigma Group, Inc.
1300 West Canal Street
Milwaukee, WI 53233
Attn: Christopher Carr
414-643-4200

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File number 180435

Third Amendment to the DPD known as 1st and Greenfield (Freshwater Plaza) to permit the second part of Phase 2 development on the south outlet.

Statement of Intent

In accordance with the approved General Plan Development (GPD) file number 141111, the applicant is seeking approval for a Freshwater Plaza Detailed Planned Development (DPD) amendment for the property located at 1288 S. 1st Street.

Freshwater Plaza was rezoned from GPD to a Detailed Planned Development (DPD) known as 1st and Greenfield Phase 1 on December 16, 2014 per file number 141113. This permitted the first phase of the development which consisted of the Cermak grocery store and a mixed-use building.

The DPD was further amended in file 170499 to permit the development of the Phase 2 Lot 2 north outlet for a standalone Sherwin Williams Paint Store. The applicant is requesting that the DPD be further amended to permit the Phase 2 development of the Lot 2 south outlet for a standalone Summit Credit Union branch office with drive-thru.

This statement of intent and the accompanying drawings identified below constitute and support the DPD:

Sheet	Title
A001	Location Map and Site Photos
CSM	Certified Survey Map
C002	Erosion Control Plan
C001	Site Survey
C100	Site Plan
C200	Grading Plan
C300	Utility Plan
C400	Civil Details
C402	Civil Details
C500	Civil Specifications
C501	Civil Specifications
L100	Landscape Plan
L101	Landscape Details
LC100	Lighting Plan
PA209	Floor Plan
PC409A	North and South Elevations
PC409B	East and West Elevations
MA001	Exterior Building Materials
PA809	Exterior Signage

Phase 2 Lot 2 Site Information Summary

Phase 2 of Freshwater Plaza includes the development of Lot 2. The north outlet has already been permitted for a standalone retail building per file 170499. This requested amendment to the DPD is to permit the development of the Lot 2 south outlet. The development will consist of a single-story financial institution with drive-thru and adjacent accessory surface parking. The building is orientated with its long axis along the S. 1st street frontage to maximize the reinforcement of the street edge. See attached sheet C100 for site plan.

Parking

Per the approved GPD, the Lot 2 maximum parking ratio is 8.05 / 1000 square feet. The proposed parking ratio for the Lot 2 south outlot is 5.69 as shown below. Access to the parking lot is provided via a new curb cut along S. 1st Street. The site can also be accessed from the adjacent parking lot located to the east of the site which was constructed as part of phase 1 of Freshwater Plaza.

Use	Gross SF	Max Parking Ratio	Max Parking	Actual Parking	Actual Parking Ratio
Retail	3,693	8.05	29	21	5.69

Design Narrative

The site and building are designed in response to Summit Credit Union’s desire for a highly visible facility that reaches out to the community, while being responsive to the integrity of its contextual fabric. The massing and design composition of the building is such that it presents a pleasing face to the public realm on all four sides of the site. The design of the drive-up canopy is inextricably linked to the rest of the building in terms of design character and materials.

The building is orientated with its longest axis of 94’ positioned parallel to the S. 1st street frontage to maximize the reinforcement of the street edge. The building is set back 8’ from the property line versus 5’ in the GPD standards to provide better sightlines to the development-wide monument signage that was included as part of file 180044 (2nd Amendment to GPD). Building height to the top of the highest point is 24’.

Operational characteristics will be those of a typical financial institution. Two drive-through teller aisles and one drive-through ATM aisle will serve credit union members from their autos. The building will have a walk-in lobby for credit union members who wish to conduct business with a teller or financial adviser, and for people wishing to become members of the credit union. The “back of house” area will contain storage, a staff break room, and other support spaces.

Project Statistics

Gross Land Area	23,464 SF
Principal Building Land Coverage	3,693 gross square feet (GSF); 15.7% of site
Pervious Land Surface	3,258 SF; 13.9%
Impervious Land Surface	20,206 SF; 86.1%
Non-residential Square Footage	3,693 GSF; 15.7%
Number of Buildings	1
Maximum Dwelling Units	N/A
Bedrooms per Unit	N/A
Parking Spaces	21 stalls (including 1 handicapped accessible stall) 5.69 parking ratio

GPD District Standards Compliance

- 1) Uses: The proposed use is a financial institution. Per the GPD, this is an allowed use on the phase 2 Lot 2 outlots.

- 2) Design Standards:
 - a. Building setback: The GPD states that a building setback should be within 5’ of the property line. The proposed building is 8’ from the property line along S 1st Street and 3’ from the sidewalk

running along the development's access drive. The intent with the additional setback along S. 1st Street is to provide better visibility to the development-wide signage located to the north of the site.

- b. Minimum street frontage: The proposed building's footprint has an irregular shape. The building frontage within 10' of the property line constitutes a 32% street frontage percentage along S. 1st Street which complies with the minimum 30% street frontage required. That said, when all building frontage along S 1st Street is taken into consideration, the street frontage increases to 54%.
- c. Building Design Standards:

- i. Building Height: *"Minimum building height is 22 feet, measured to the top of parapet. This does not include taller limited special features."*

Proposed building complies with a 24' height to top of highest coping.

- ii. Building Orientation: *"Buildings shall face the public streets and access drive, having main entrances and windows along the front building façade. Blank walls and lack of, or locked doors, are not permitted"*

Proposed building is designed to be pleasing from all four side. The main entry is along S. 1st Street.

- iii. Façade Materials: *"High quality building materials, such as masonry, metal, glass, and stone should be utilized. Exterior finish systems such as EIFS shall not exceed 30% of the exterior wall area and shall not be used on the base of the building (from the ground to the first 6ft). Vinyl siding is prohibited"*

The proposed building uses high quality materials: Endicott Mangeses Ironspot brick, silver metallic ribbed metal panel, and aluminum storefront systems in a clear anodized aluminum finish. The only EIFS on the building is the underside of the eaves. There is no vinyl siding.

See attached sheet MA001 for photographs of exterior materials.

- iv. Special Features at S. 1st Street and Access Drive: *"Buildings located at the intersection to the development area shall have the most significant corner treatments, articulate the corner or visual termination on a building at the identified special corner or street end visual termination through use of elements such as larger windows, extruded elements, or additional pre-cast stone lines"*

The proposed building thoughtfully addresses the S. 1st Street and access drive intersection. The roof line of the building slopes up to the intersection to visually open up towards the intersection and to reinforce the edge of the intersection. This corner of the building is detailed using floor to ceiling glazing with three fabric decorative exterior shades to add visual interest. The intent is to have either images of happy people or geometric shapes printed on the fabric. See attached sheet MA001 for photos of an existing branch office in Monona, WI that had similar fabric elements.

- v. Glazing along S 1st Street: *"Glazing along S 1st Street frontages: Minimum glazed area, public street frontage 60%, Minimum glazed area, access drive frontage 15%, Minimum glazing zone height 6', Maximum height of glazing zone sill 2'-6", Glazing quality visible transmittance >= .65, Glazing alternative Available, see 295-605.2.i.3"*

The proposed building façade along S. 1st St. is 59.65% glazing, with a typical glazing zone sill of 2' – 8". The additional 2" in sill height is so that the brick can properly course out.

The access drive (north) façade is 83.4% glazing. Most of the façade is floor to ceiling glazing. Areas that do have brick below the glazing has a sill height of 2' – 8". The additional 2" in sill height is so that the brick can properly course out.

The Summit Credit Union brand typically uses glazing with 35% visible transmittance on their buildings for building performance and privacy reasons. Applicant is willing to reduce tinting along the S. 1st Street and the access drive façade to meet the GPD's 65% visible transmittance requirement.

- vi. Entrance Location: *"Every new building shall have a primary entrance door on the front façade. A primary door shall not be required on the front façade if there is a primary entrance door on a side façade and that door is within 20 feet of the front façade."*

The proposed building's main entry is located on the front façade along S. 1st Street.

- vii. Public Sidewalk Access: *"Were a lot is adjacent to a public sidewalk, each principal building on the lot shall be served by a clearly identifiable walkway leading from the public sidewalk to the entrance to the building. The presence of an access drive does not fulfill this requirement. All required pedestrian walkways shall be paved with non-asphalt materials. All required pedestrian access ways shall be at least 5 feet in width."*

Proposed site plan complies with these requirements. A walkway will connect the building entrance to the sidewalk along S. 1st Street. The pedestrian walkways will be clearly marked where they cross drive-thru entry and exit lanes. See attached sheet C100.

- viii. Safe Walkways: *"Provide direct, continuous, safe and accessible pedestrian walkways between public sidewalks, bike trails and public transportation stops and building entrances."*

Proposed site plan complies with these requirements. See attached sheet C100.

- 3) Density: N/A – Commercial Use.
- 4) Space Between Structures: N/A – Proposed lot development contains only one building.
- 5) Setbacks: The proposed building has the following setbacks relative to the property lines of the Lot 2 south outlot as described in the attached sheet CSM.
- a. North (access drive) – 30' from property line, 3' from edge of sidewalk. (Access drive crosses outlot. See sheet CSM)
 - b. East – 62' - 6"
 - c. South – 57' - 6"
 - d. West (S 1st St.) – 8'
- 6) Screening: Trash enclosure, which will be located on the northeast side of the site, will be clad in the same brick as the building. A 36" tall masonry wall will be located to the west of the parking and will be clad in the same brick as the building.
- 7) Open Spaces: Phase 2 of Freshwater Plaza does not have a public open space.

- 8) Circulation, Parking, Loading: Access to the 22-space parking lot is provided via a new curb cut along South 1st Street. The site can also be accessed from the adjacent parking lot located to the east of the site which was constructed as part of phase 1 of Freshwater Plaza. Drive-thru circulation enters from the east side of the site and exits at the north side of the site onto the access drive. There are no loading areas.

The main pedestrian entrance will be on the S 1st Street façade and will be connected via sidewalks to S 1st Street and the adjacent parking..

The dumpster will be located on the northeast side of the site.

Four bicycle parking spaces will be provided on the site near the adjacent parking. See site plan C100

- 9) Landscaping: All vegetation will be of a quality consistent with the standards of the American association of nurserymen (ANSI 260.1) and will be maintained on an ongoing basis. See sheets L100 and L101 for landscaping plans and details.

The existing turf and landscaping will be maintained in an orderly fashion consistent with the zoning standards in place prior to this DPD amendment until the subject DPD is constructed.

- 10) Lighting: Proposed site lighting will comply with City of Milwaukee Ordinances. See attached lighting plan LC100.

- 11) Utilities: The use of above ground utility infrastructure will be limited to the degree that it is not possible or practical to place this infrastructure below grade. Utility connections to the building are anticipated to be located on the west and south side of the building. See sheet C300 for utility locations.

- 12) Signs: Proposed building signage will comply with Milwaukee Code of Ordinances table 295-605-5 LB2 Type A. The building will have the below listed signage. See sheet PA809 for signage elevations.

- a. Roof sign of 91 SF. 1 roof sign up to 150 SF is permitted under LB2 Type A.
- b. Wall signs: 1 wall sign per 25 lineal feet is allowed up to 50 SF in size for each sign.
 - i. West façade (S 1st St) – 94 linear feet. One wall sign of 16 SF.
 - ii. East façade – 88' - 7" linear feet. Two wall signs located 42 feet apart. Each 56 SF in size. Per 295-605(5)(b), signs are combining adjacent linear segments for increased allowable signage area.

Time Limit on Zoning: Per s. 295-907-2-c-11, for new and amended DPDs, the DPD zoning designation shall be null and void within 5 years from the effective date of the ordinance and the property shall be changed to GPD unless the criteria identified in 295-907-c-11-a and –b are met. The time period specified pursuant to subd. 11 may be extended only by ordinance amending the DPD, pursuant to s. 205-307.

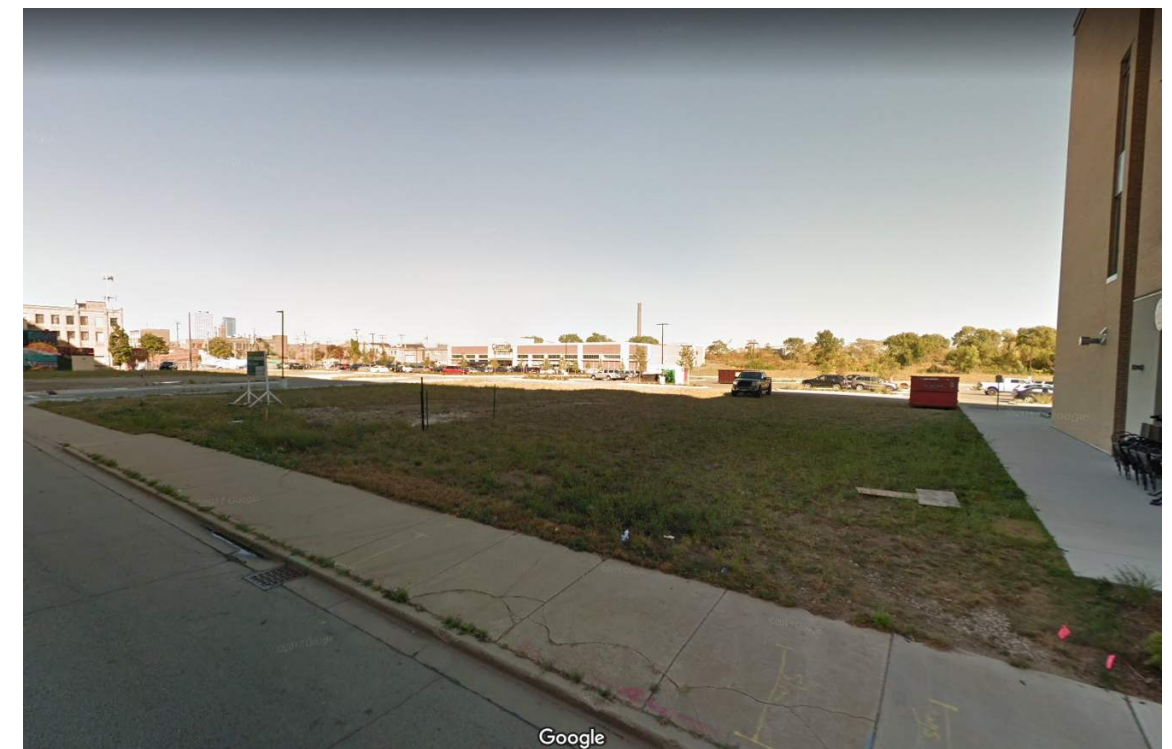
A001 - Location Map and Site Photos



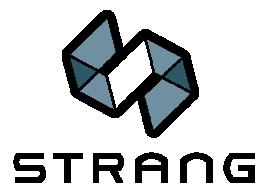
Location Map



Northwest corner of site



Southwest corner of site



CERTIFIED SURVEY MAP NO. 8970

LOT 2, CERTIFIED SURVEY MAP NO. 8731, LOCATED IN THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 32, TOWNSHIP 7 NORTH, RANGE 22 EAST, CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN.

TOTAL AREA
1.137 ACRES
49,510 SQ. FT.

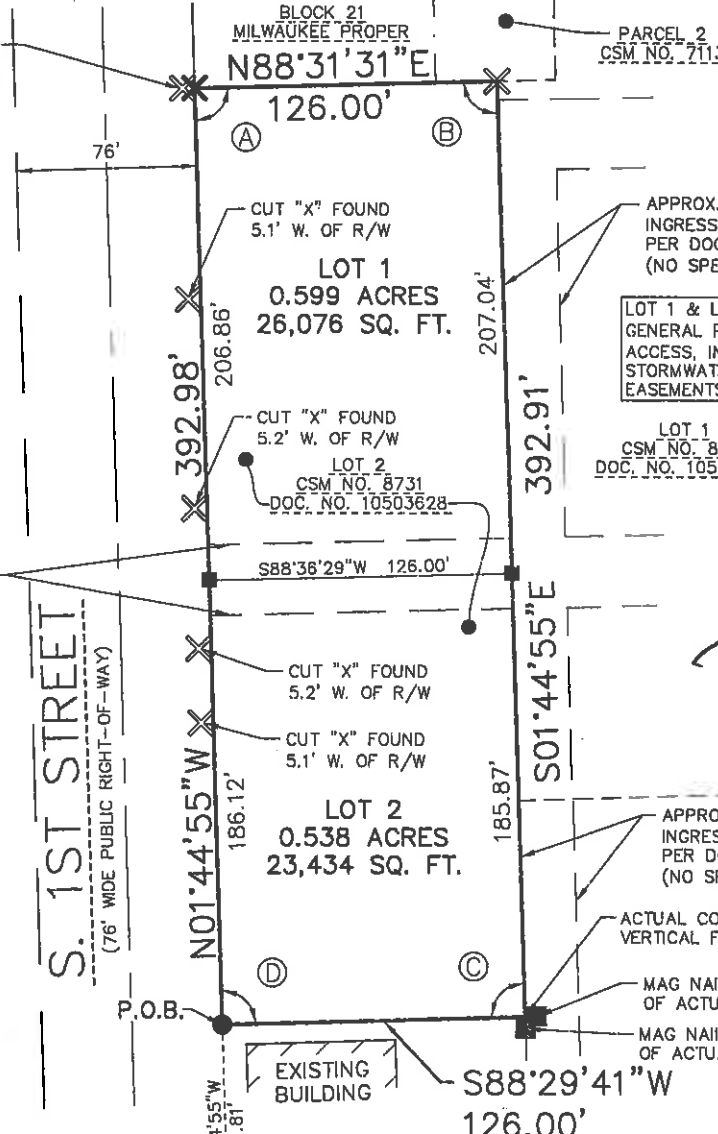
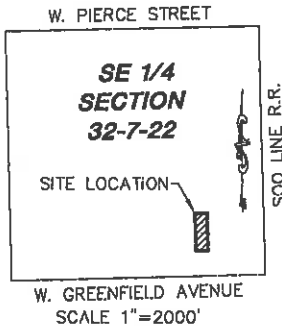
INTERIOR ANGLES	
A	89°43'34"
B	90°16'26"
C	89°45'24"
D	90°14'36"

TAX KEY: 4311302000

ZONING:

PLANNED DEVELOPMENT OVERLAY ZONE

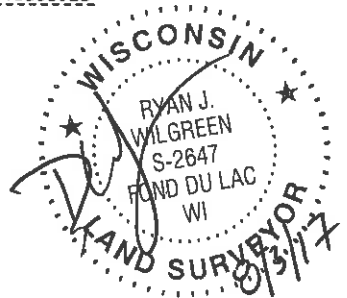
APPROX. LOCATION OF INGRESS/EGRESS EASEMENT PER DOC. #10503973 (NO SPECIFIC WIDTH GIVEN)



APPROX. LOCATION OF INGRESS/EGRESS EASEMENT PER DOC. #10503973 (NO SPECIFIC WIDTH GIVEN)

LOT 1 & LOT 2 ARE SUBJECT TO GENERAL PEDESTRIAN/VEHICULAR ACCESS, INGRESS/EGRESS, PARKING, STORMWATER, UTILITY AND SIGN EASEMENTS PER DOC. NO. 10503973.

LOT 1
CSM NO. 8731
DOC. NO. 10503628



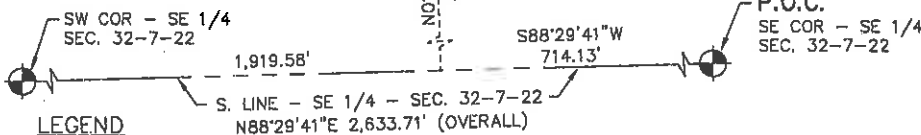
APPROX. LOCATION OF INGRESS/EGRESS EASEMENT PER DOC. #10503973 (NO SPECIFIC WIDTH GIVEN)

ACTUAL CORNER FALLS ON VERTICAL FACE OF CONCRETE CURB

MAG NAIL SET 5.0' E. OF ACTUAL CORNER

MAG NAIL SET 5.0' S. OF ACTUAL CORNER

LOT 3
CSM NO. 8731
DOC. NO. 10503628

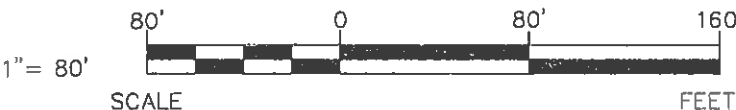


- LEGEND**
- - 3/4" x 18" REBAR SET WEIGHING 1.50 LBS/FT.
 - ✕ - CUT "X" FOUND
 - ✕ - CUT "X" SET IN CONCRETE
 - - MAG NAIL SET IN ASPHALT
 - ⊙ - BRASS CAPPED MON. FOUND

OWNER:
FRESHWATER PLAZA CORP.
1200 N. MAYFAIR ROAD, SUITE 310
MILWAUKEE, WI 53226

SHEET 1 OF 4 SHEETS

NORTH POINT REFERENCED TO THE WISCONSIN STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD27). THE SOUTH LINE OF THE SOUTHEAST QUARTER HAS A BEARING OF NORTH 88°-29'-41" EAST. (JAN. 2017 DATUM)



EXCEL ENGINEERING inc. SURVEYING GROUP
PROJECT NO. 1605340

Always a Better Plan
100 CAMELOT DRIVE
FOND DU LAC, WI 54935
PHONE: (920) 926-9800
FAX: (920) 926-9801

INFRASTRUCTURE SERVICES DIVISION
Y. H. [Signature] 8/15/17
CENTRAL DRAFTING & RECORDS MANAGER
Z. N. [Signature] 8/15/2017
ENGR. IN CHARGE ENVIRON. ENGR.
CORRECT
J. Polenaka [Signature] 8/15/17
CITY ENGINEER
APPROVED

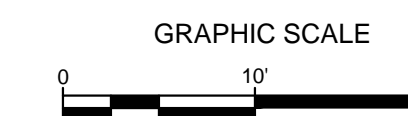
DEPARTMENT OF CITY DEVELOPMENT
CITY OF MILWAUKEE

JUN 30 2017
[Signature]
STAFF APPROVED

DOC. # 10724040

RECORDED:
10/27/2017 11:23 AM
JOHN LA FAVE
REGISTER OF DEEDS
MILWAUKEE COUNTY, WI
AMOUNT: 30.00

DOCUMENT RECEIVED DAMAGED



LEGEND:

---	SECTION 1/4 SECTION LINE
---	PROPERTY LINE
---	EASEMENT
-x-x-x-	CHAIN LINK FENCE
~ ~ ~ ~	TREE LINE
OH	OVERHEAD UTILITY LINE
E	ELECTRIC
T	TELEPHONE
FO	FIBER OPTIC
CTV	CABLE TV
SAN	SANITARY SEWER
FM	FORCE MAIN
ST	STORM SEWER
W	WATER MAIN
G	GAS
---	EXISTING CONTOUR
○	MANHOLE
⊞	CATCH BASIN
⊞	CATCH BASIN (ROUND)
●	ROOF DRAIN
⊞	HYDRANT
⊞	WATER VALVE
⊞	GAS VALVE
⊞	UTILITY POLE
⊞	GUY WIRE
⊞	GAS METER
⊞	ELECTRIC METER
⊞	UTILITY PEDESTAL
⊞	TRAFFIC SIGNAL
⊞	LIGHT POLE
⊞	SOIL BORING
⊞	MONITORING WELL
○	IRON PIPE FOUND/SET
●	REBAR FOUND/SET
⊞	CHISELED CROSS FOUND/SET
⊞	PK NAIL FOUND/SET
⊞	SPIKE/NAIL
⊞	MONUMENT
⊞	BENCHMARK
⊞	SIGN
⊞	DECIDUOUS TREE
⊞	CONIFEROUS TREE
⊞	BUSH
⊞	POST

GENERAL NOTES:

1. THE UNDERGROUND UTILITY INFORMATION SHOWN ON THIS DRAWING IS BASED ON FIELD LOCATIONS AND/OR RECORDS FURNISHED BY MUNICIPALITIES AND UTILITY COMPANIES. THE LOCATION AND ACCURACY OF WHICH CANNOT BE GUARANTEED. THERE MAY BE ADDITIONAL UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
2. VERIFY ACTUAL LOCATIONS AND INVERTS IN THE FIELD. ANY POTENTIAL ERRORS, OMISSIONS, OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. DRAWING IS BASED ON FIELD SURVEY COMPLETED BY THE SIGMA GROUP ON DECEMBER 31, 2018.
4. THE VERTICAL DATUM FOR THE PROJECT SURVEY IS CITY OF MILWAUKEE DATUM. BENCHMARK FOR THE PROJECT SURVEY IS THE CITY STANDARD BENCHMARK 503 AT S. BARCLAY & E. WASHINGTON ST AT ELEVATION=8.574

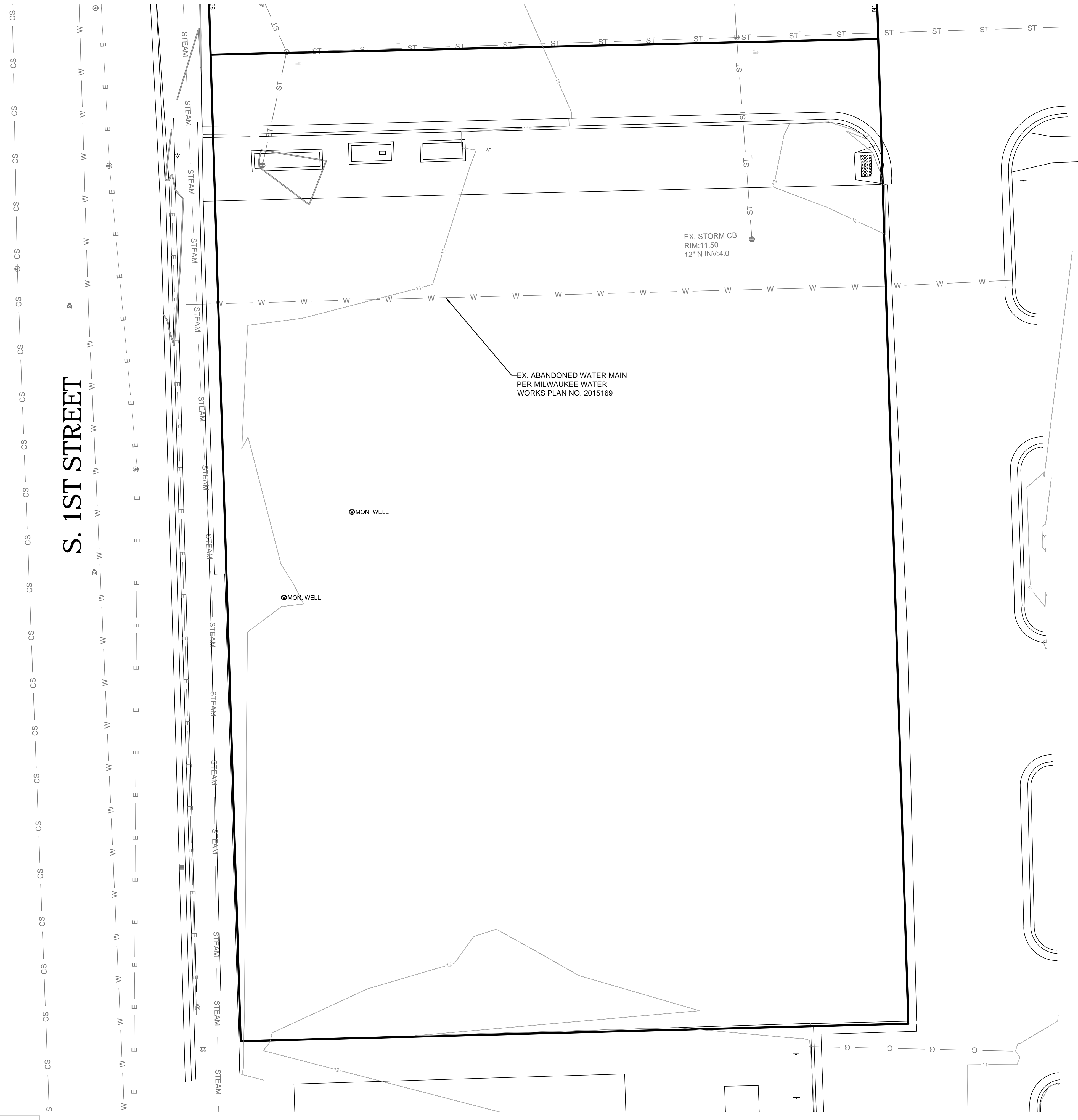
SUMMIT CREDIT UNION
 S FIRST ST & GREENFIELD AVE
 MILWAUKEE, WISCONSIN

SITE SURVEY

NO. REVISION	DATE BY
DRAWING NO.	18079-SURVEY.DWG
DRAWN BY:	ARF
DATE:	1/04/19
PROJECT NO.:	18079
CHECKED BY:	TPM
APPROVED BY:	CTC
SHEET NO.:	

C001

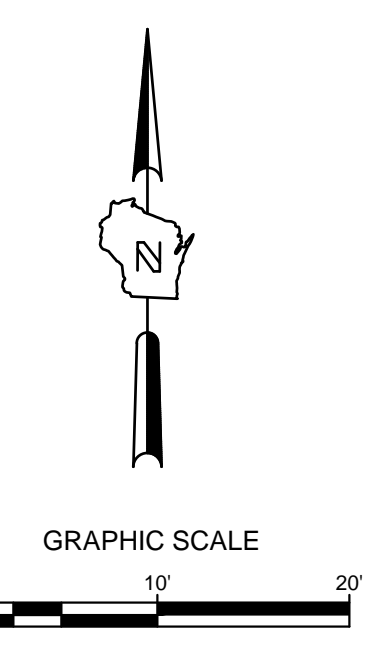
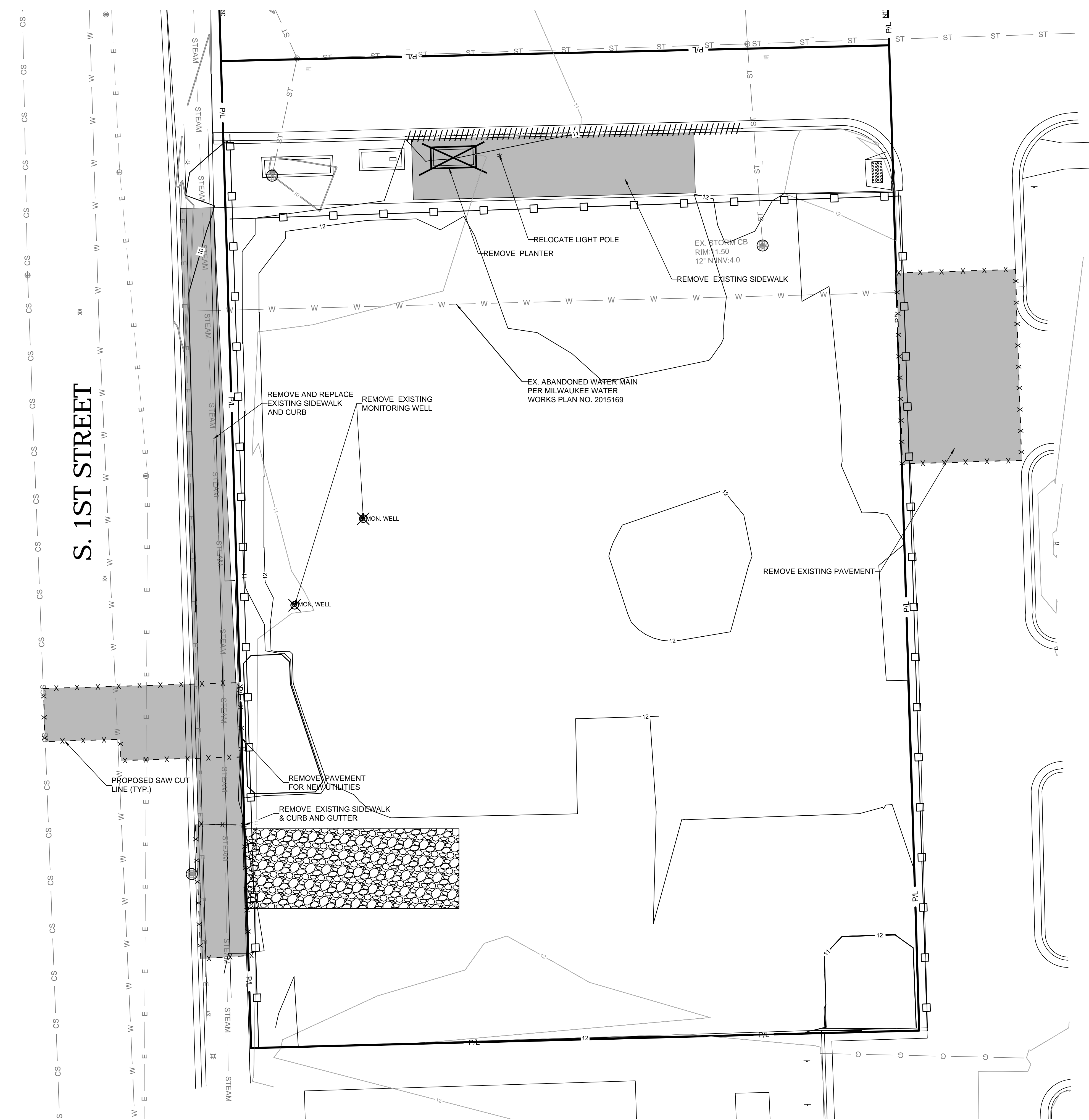
S. 1ST STREET



TO OBTAIN LOCATIONS OF PARTISANS UNDERGROUND FACILITIES BEFORE YOU DIG IN RECORDS

 CALL DIGGERS HOTLINE
 1-800-242-8511
 TOLL FREE
 WI STATUTE 182.075(9)(4)
 REQUIRES MIN. 3 WORK DAYS
 NOTICE BEFORE YOU EXCAVATE
 MILW. AREA 259-1181

THE UNDERGROUND UTILITY INFORMATION SHOWN ON THIS MAP IS BASED ON FIELD MARKINGS AND INFORMATION FURNISHED BY UTILITY COMPANIES AND THE LOCAL MUNICIPALITY. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED.



- LEGEND:**
- PROPOSED SILT LOG/ SEDIMENT LOG (A C400)
 - PROPOSED INLET PROTECTION (B C400)
 - PROPOSED TRACKING PAD (C C400)
 - 5 EXISTING CONTOUR
 - 5 PROPOSED CONTOUR
 - CURB REMOVAL
 - STRUCTURE REMOVAL
 - PAVEMENT REMOVAL
 - SAW CUT LINE

- GENERAL NOTES:**
1. THE UNDERGROUND UTILITY INFORMATION SHOWN ON THIS DRAWING IS BASED ON FIELD LOCATIONS AND/OR RECORDS FURNISHED BY MUNICIPALITIES AND UTILITY COMPANIES. THE LOCATION AND ACCURACY OF WHICH CANNOT BE GUARANTEED. THERE MAY BE ADDITIONAL UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
 2. VERIFY ACTUAL LOCATIONS AND INVERTS IN THE FIELD. ANY POTENTIAL ERRORS, OMISSIONS, OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
 3. WORK TO BE COMPLETED IS INDICATED IN BOLD TYPE LINES AND EXISTING CONDITIONS ARE INDICATED BY LIGHT TYPE LINES.
 4. ELECTRONIC CIVIL FILES ARE AVAILABLE UPON WRITTEN REQUEST. DO NOT USE ELECTRONIC CIVIL FILES TO LAYOUT FOUNDATIONS, COLUMN LINES, LIGHT POLES, OR OTHER NON CIVIL SITE WORK. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF BUILDING AND ARCHITECTURAL FEATURES.
 5. SEE SHEET C400 FOR A COMPLETE LIST OF EROSION CONTROL NOTES AND DETAILS. EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO START OF LAND DISTURBING ACTIVITIES.
 6. DO NOT BEGIN LAND DISTURBING ACTIVITIES UNTIL AN EROSION CONTROL PERMIT IS OBTAINED FROM LOCAL JURISDICTION.

SUMMIT CREDIT UNION
 S FIRST ST & GREENFIELD AVE
 MILWAUKEE, WISCONSIN

EROSION CONTROL PLAN

NO. REVISION	DATE BY
DRAWING NO. 18079-DEMO&EROSION.DWG	
DRAWN BY: ARF	
DATE: 1/04/19	
PROJECT NO: 18079	
CHECKED BY: TPM	
APPROVED BY: CTC	
SHEET NO.:	

C002

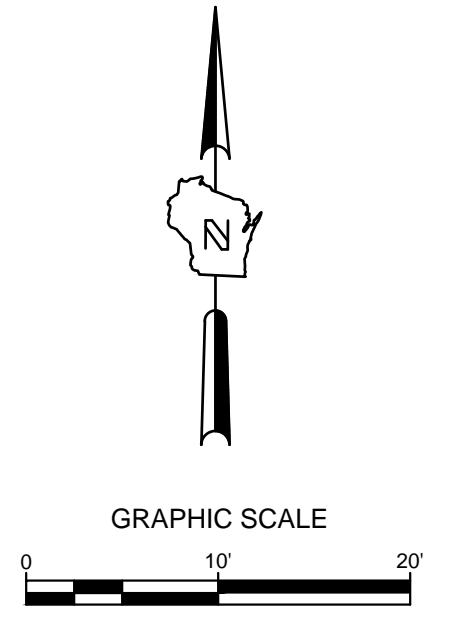
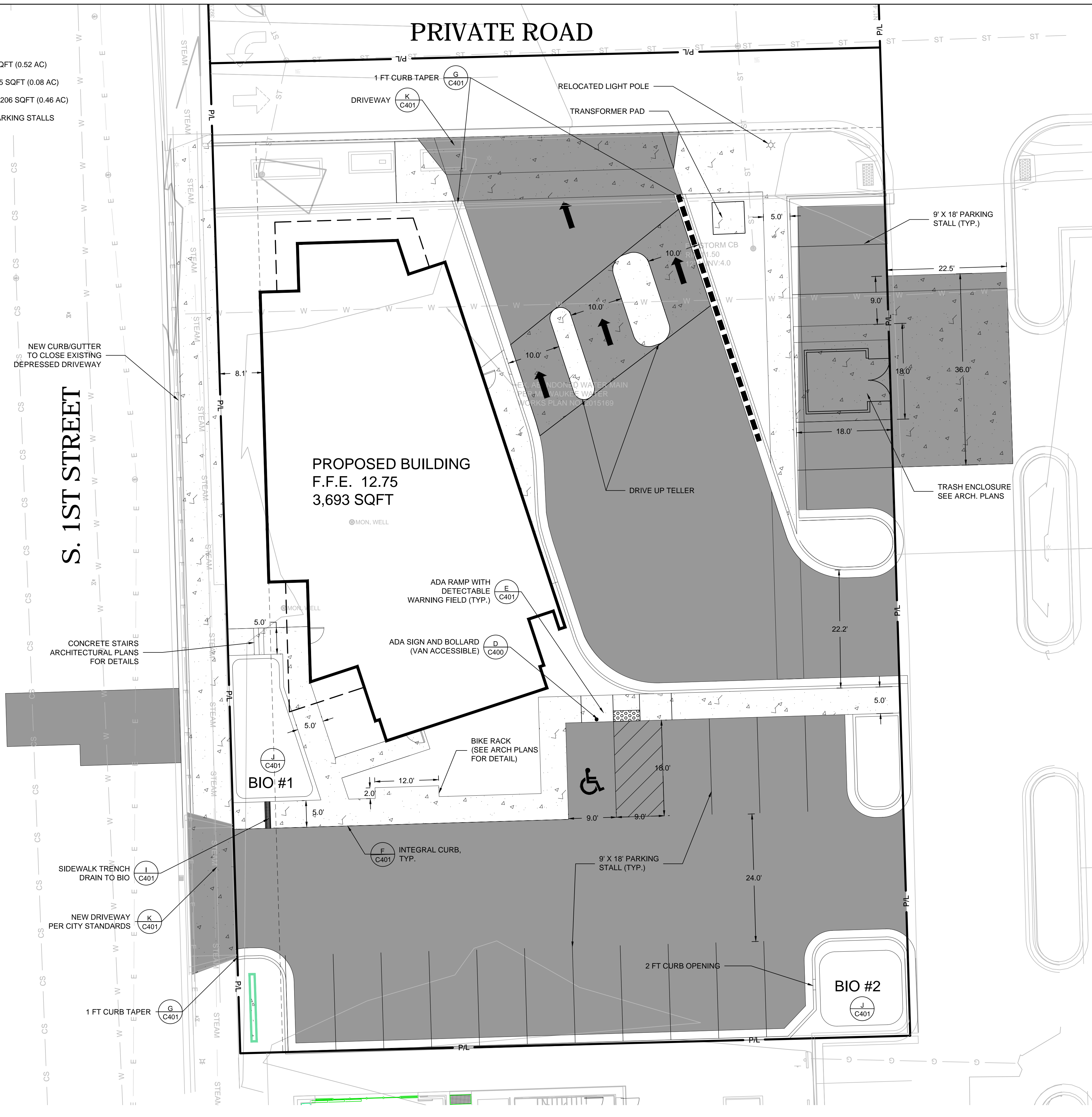
TO OBTAIN LOCATIONS OF PARTWATER UNDERGROUND FACILITIES BEFORE YOU DIG IN RECORDS

CALL DIGGERS HOTLINE
 1-800-242-8511
 TOLL FREE

WI STATUTE 182.075(1)(4)
 REQUIRES 48 HOURS NOTICE BEFORE YOU EXCAVATE
 MILW. AREA 259-1181

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SITE INFORMATION:
 TOTAL SITE = 23,441 SQFT (0.54 AC)
 TOTAL DISTURBED AREA = 22,762 SQFT (0.52 AC)
 EXISTING IMPERVIOUS AREA = 3,535 SQFT (0.08 AC)
 PROPOSED IMPERVIOUS AREA = 20,206 SQFT (0.46 AC)
 TOTAL PROPOSED PARKING = 21 PARKING STALLS



LEGEND:

	5" THICK CONCRETE WALK (C401)
	ASPHALT SURFACE (A C401)
	CONCRETE PAVEMENT (B C401)
	CURB & GUTTER (ACCEPT) (D C401)
	CURB & GUTTER (REJECT) (D C401)
	BOLLARD (H C401)

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 5. DIMENSIONS ARE FROM FACE OF CURB OR EDGE OF PAVEMENT.
 6. WORK WITHIN THE PUBLIC RIGHT OF WAY, INCLUDING BUT NOT LIMITED TO DRIVEWAY OPENINGS, SIDEWALK AND RAMPS, PAVING, AND CURB AND GUTTER SHALL BE COMPLETED PER MUNICIPAL AND/OR COUNTY REQUIREMENTS AND STANDARDS.

NEW CURB/GUTTER TO CLOSE EXISTING DEPRESSED DRIVEWAY

S. 1ST STREET

CONCRETE STAIRS ARCHITECTURAL PLANS FOR DETAILS

SIDEWALK TRENCH DRAIN TO BIO

NEW DRIVEWAY PER CITY STANDARDS

1 FT CURB TAPER

PROPOSED BUILDING
 F.F.E. 12.75
 3,693 SQFT

BIO #1

BIO #2

ADA RAMP WITH DETECTABLE WARNING FIELD (TYP.)

ADA SIGN AND BOLLARD (VAN ACCESSIBLE)

BIKE RACK (SEE ARCH PLANS FOR DETAIL)

INTEGRAL CURB, TYP.

DRIVE UP TELLER

9' X 18' PARKING STALL (TYP.)

TRASH ENCLOSURE SEE ARCH. PLANS

TRANSFORMER PAD

RELOCATED LIGHT POLE

DRIVEWAY

PRIVATE ROAD



CALL DIGGERS HOTLINE
 1-800-242-8511
 TOLL FREE
 WI STATUTE 182.075(9)(4)
 REQUIRES 3 WORK DAYS
 NOTICE BEFORE YOU EXCAVATE
 MILW. AREA 259-1181

THE UNDERGROUND UTILITY INFORMATION SHOWN ON THIS MAP IS BASED ON FIELD MARKINGS AND INFORMATION FURNISHED BY UTILITY COMPANIES AND THE LOCAL MUNICIPALITY. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED.

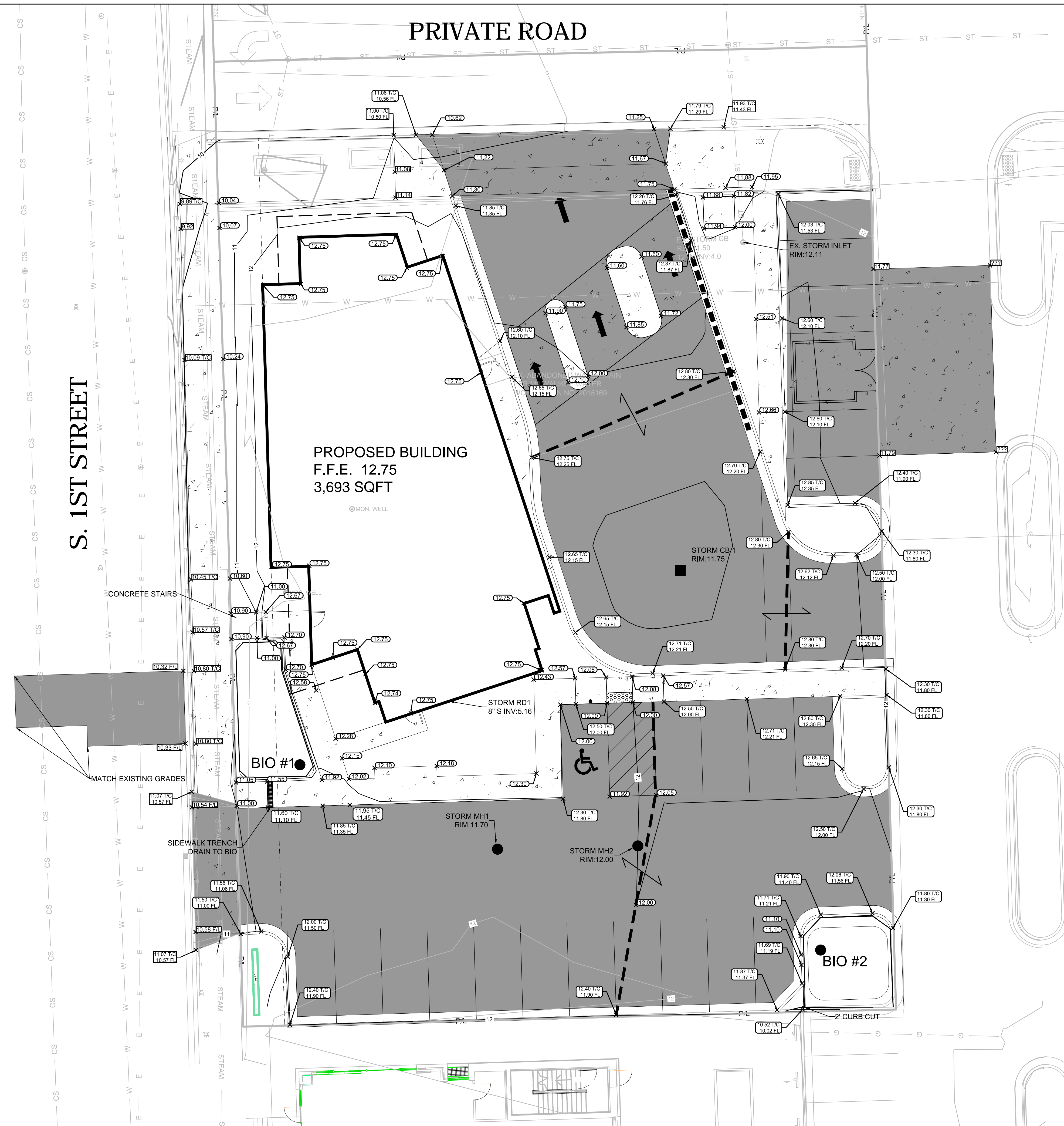
SUMMIT CREDIT UNION
 S FIRST ST & GREENFIELD AVE
 MILWAUKEE, WISCONSIN

SITE PLAN

NO. REVISION DATE BY

DRAWING NO.	18079-SITE PLAN.DWG
DRAWN BY:	ARF
DATE:	1/04/19
PROJECT NO.:	18079
CHECKED BY:	TPM
APPROVED BY:	CTC
SHEET NO.:	

C100



LEGEND:

- ASPHALT SURFACE (A C401)
- CONCRETE PAVEMENT (B C401)
- 5" THICK CONCRETE WALK (C C401)
- CURB & GUTTER (ACCEPT) (D C401)
- CURB & GUTTER (REJECT) (D C401)
- 5' EXISTING CONTOUR
- 5' PROPOSED CONTOUR
- PROPOSED CURB & GUTTER SPOT GRADE
T/C: TOP OF CURB GRADE
FL: FLOW LINE CURB GRADE
- PROPOSED ASPHALT SPOT GRADE
- EXISTING SURFACE SPOT GRADE
- GRADE BREAK

- GENERAL NOTES:**
- THE UNDERGROUND UTILITY INFORMATION SHOWN ON THIS DRAWING IS BASED ON FIELD LOCATIONS AND/OR RECORDS FURNISHED BY MUNICIPALITIES AND UTILITY COMPANIES. THE LOCATION AND ACCURACY OF WHICH CANNOT BE GUARANTEED. THERE MAY BE ADDITIONAL UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
 - VERIFY ACTUAL LOCATIONS AND INVERTS IN THE FIELD. ANY POTENTIAL ERRORS, OMISSIONS, OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
 - WORK TO BE COMPLETED IS INDICATED IN BOLD TYPE LINES AND EXISTING CONDITIONS ARE INDICATED BY LIGHT TYPE LINES.
 - ELECTRONIC CIVIL FILES ARE AVAILABLE UPON WRITTEN REQUEST. DO NOT USE ELECTRONIC CIVIL FILES TO LAYOUT FOUNDATIONS, COLUMN LINES, LIGHT POLES, OR OTHER NON-CIVIL SITE WORK. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF BUILDING AND ARCHITECTURAL FEATURES.
 - DIMENSIONS ARE FROM FACE OF CURB OR EDGE OF PAVEMENT.
 - WORK WITHIN THE PUBLIC RIGHT OF WAY, INCLUDING BUT NOT LIMITED TO DRIVEWAY OPENINGS, SIDEWALK AND RAMPS, PAVING, AND CURB AND GUTTER SHALL BE COMPLETED PER MUNICIPAL AND/OR COUNTY REQUIREMENTS AND STANDARDS.
 - EARTHWORK SHALL BE IN ACCORDANCE WITH GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.

SUMMIT CREDIT UNION
 S FIRST ST & GREENFIELD AVE
 MILWAUKEE, WISCONSIN

GRADING PLAN

NO. REVISION	DATE BY
DRAWING NO.	18079-GRADING PLAN.DWG
DRAWN BY:	ARF
DATE:	1/04/19
PROJECT NO.:	18079
CHECKED BY:	TPM
APPROVED BY:	CTC
SHEET NO.:	

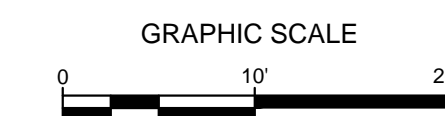
C200

TO OBTAIN LOCATIONS OF PARTWATER DISCHARGE FACILITIES BEFORE YOU DIG IN RECORDS

CALL DIGGERS HOTLINE
 1-800-242-8511
 TOLL FREE

WI STATE 182.0175(94)
 REQUIRES 3 WORK DAYS
 NOTICE BEFORE YOU EXCAVATE
 MILW. AREA 259-1181

THE UNDERGROUND UTILITY INFORMATION SHOWN ON THIS MAP IS BASED ON FIELD MARKINGS AND INFORMATION FURNISHED BY UTILITY COMPANIES AND THE LOCAL MUNICIPALITY. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE, ITS ACCURACY AND COMPLETENESS CANNOT BE GUARANTEED.



LEGEND:

- W --- PROPOSED WATER SERVICE
- SAN --- PROPOSED SANITARY SERVICE
- >--- PROPOSED STORM SEWER
- E --- PROPOSED ELECTRICAL SERVICE
- PROPOSED STORM MANHOLE (A C401)

GENERAL NOTES:

1. THE UNDERGROUND UTILITY INFORMATION SHOWN ON THIS DRAWING IS BASED ON FIELD LOCATIONS AND/OR RECORDS FURNISHED BY MUNICIPALITIES AND UTILITY COMPANIES. THE LOCATION AND ACCURACY OF WHICH CANNOT BE GUARANTEED. THERE MAY BE ADDITIONAL UNDERGROUND UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
2. VERIFY ACTUAL LOCATIONS AND INVERTS IN THE FIELD. ANY POTENTIAL ERRORS, OMISSIONS, OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. WORK TO BE COMPLETED IS INDICATED IN BOLD TYPE LINES AND EXISTING CONDITIONS ARE INDICATED BY LIGHT TYPE LINES.
4. ELECTRONIC CIVIL FILES ARE AVAILABLE UPON WRITTEN REQUEST. DO NOT USE ELECTRONIC CIVIL FILES TO LAYOUT FOUNDATIONS, COLUMN LINES, LIGHT POLES, OR OTHER NON CIVIL SITE WORK. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF BUILDING AND ARCHITECTURAL FEATURES.
5. ALL UTILITIES WITHIN 5 FEET OF PAVED AREAS SHALL REQUIRE GRANULAR BACKFILL. SLURRY BACKFILL IS REQUIRED FOR ALL WORK IN PUBLIC RIGHT OF WAY.
6. PRIVATE STORM INLETS IN PAVEMENT SHALL REQUIRE DRAIN TILE STUBS OF 10 FEET IN TWO DIRECTIONS FOR SUBDRAINAGE. RIM GRADE FOR STORM INLETS IN CURB AND GUTTER ARE FLOW LINE GRADES.
7. WORK IN PUBLIC RIGHT OF WAY SHALL FOLLOW MATERIAL AND INSTALLATION REQUIREMENTS PER MUNICIPAL AND/OR COUNTY.
8. PRIVATE STORM SEWER 12-INCH DIAMETER OR LARGER SHALL BE HDPE. BELOW 12-INCH DIAMETER SHALL BE PVC SDR-35 ASTM D3034. PRIVATE WATER MAIN SHALL BE CLASS 150 DR 18 PVC CONFORMING TO AWWA C-900. PRIVATE SANITARY SEWER SHALL BE PVC SDR-35 ASTM D3034.
9. COORDINATE FINAL LOCATION AND DESIGN OF PRIVATE UTILITY SERVICES (ELECTRIC, GAS, PHONE, CABLE) WITH UTILITY COMPANIES.
10. IF PROJECT IS DESIGN BUILD MEP, THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE FINAL SEWER AND WATER DESIGN SHOWING LOCATION, INVERTS AND SIZES TO THE ENGINEER FOR FINAL REVIEW AND VERIFICATION PRIOR TO STARTING UNDERGROUND UTILITY CONSTRUCTION.

PRIVATE ROAD

S. 1ST STREET

PROPOSED BUILDING
 F.F.E. 12.75
 3,693 SQFT

CONNECT TO EX. COMBINED SEWER PER CITY REQUIREMENTS 8" E INV:1.69±

CONNECT TO EX. 6" WM PER CITY REQUIREMENTS 2" E INV:2.80±

SAN. BLDG SERVICE 8" W INV:2.64
 WATER SERVICE 2" W INV:3.50

STORM RD1 8" S INV:5.16

STORM OCS RIM:8.58 12" SE INV:4.75

STORM MH1 RIM:11.70 12" NW INV:4.67 8" N INV:5.00 12" E INV:4.67

STORM MH2 RIM:12.00 12" W INV:4.46 12" SE INV:4.46 12" N INV:4.46

STORM OCS-2 RIM:8.90 12" NW INV:4.75

BIO #1

BIO #2



CALL DIGGERS HOTLINE
 1-800-242-8511
 TOLL FREE
 WI STATE 182.0175(974)
 REQUIRES MIN. 3 WORK DAYS
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 MILW. AREA 259-1181

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SUMMIT CREDIT UNION
 S FIRST ST & GREENFIELD AVE
 MILWAUKEE, WISCONSIN

UTILITY PLAN

NO. REVISION DATE BY

DRAWING NO. 18079-UTILITY PLAN.DWG

DRAWN BY: ARF

DATE: 1/04/19

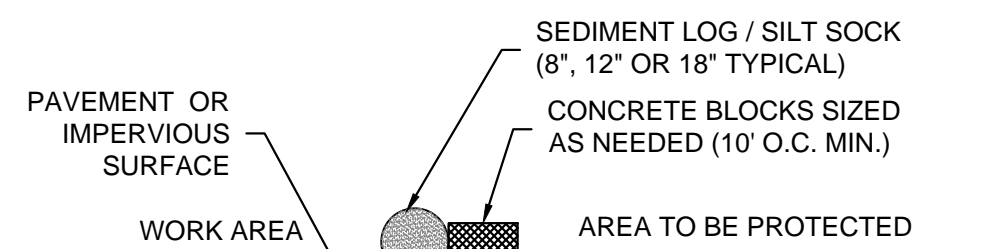
PROJECT NO: 18079

CHECKED BY: ####

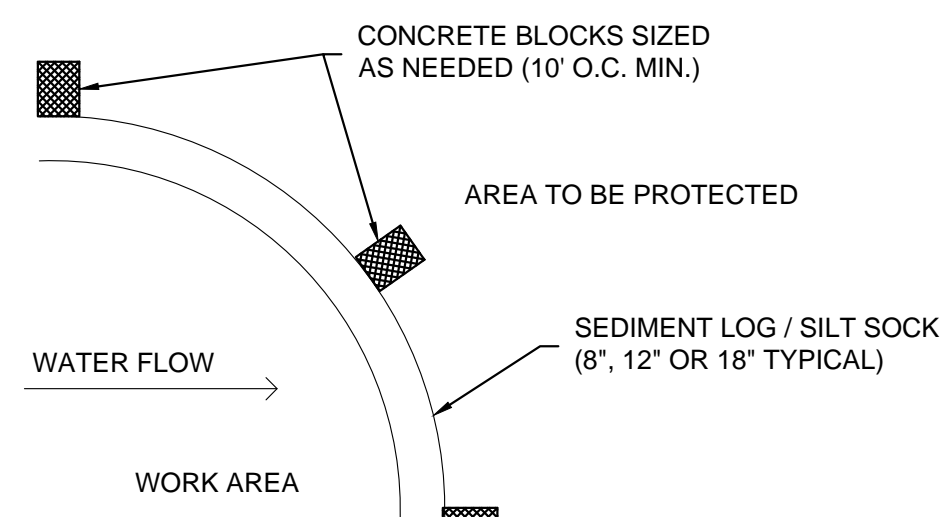
APPROVED BY: ####

SHEET NO.:

C300



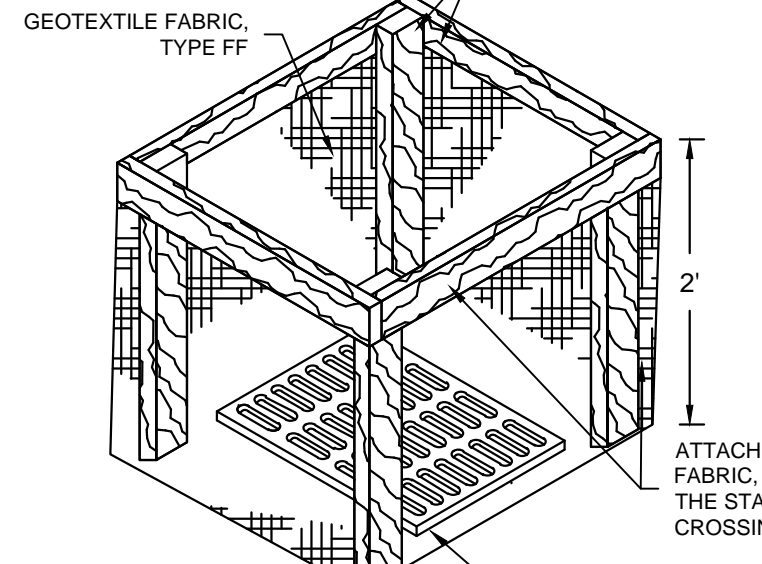
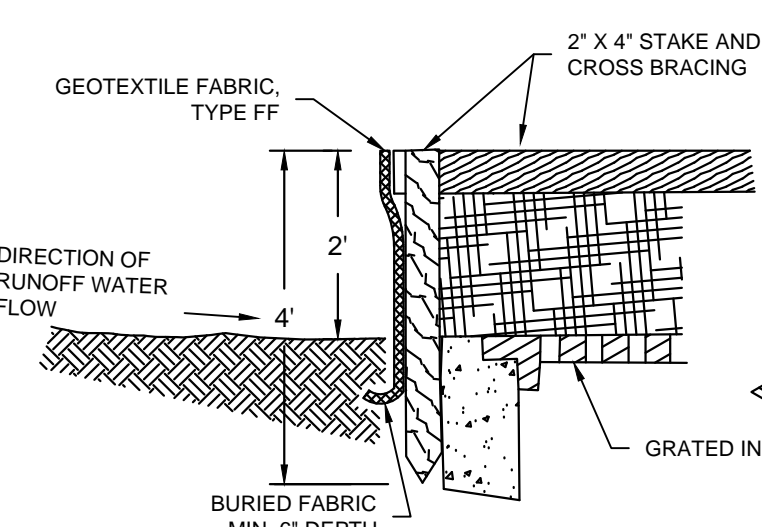
SECTION A



PLAN A

SEDIMENT LOG / SILT SOCK ON PAVEMENT DETAIL

A NOT TO SCALE



INLET PROTECTION, TYPE A

GENERAL NOTES

1. MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
2. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
3. FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10' AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
4. FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
5. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INLET PROTECTION, TYPE B (WITHOUT CURB BOX) (CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)

INLET PROTECTION, TYPE C (WITH CURB BOX)

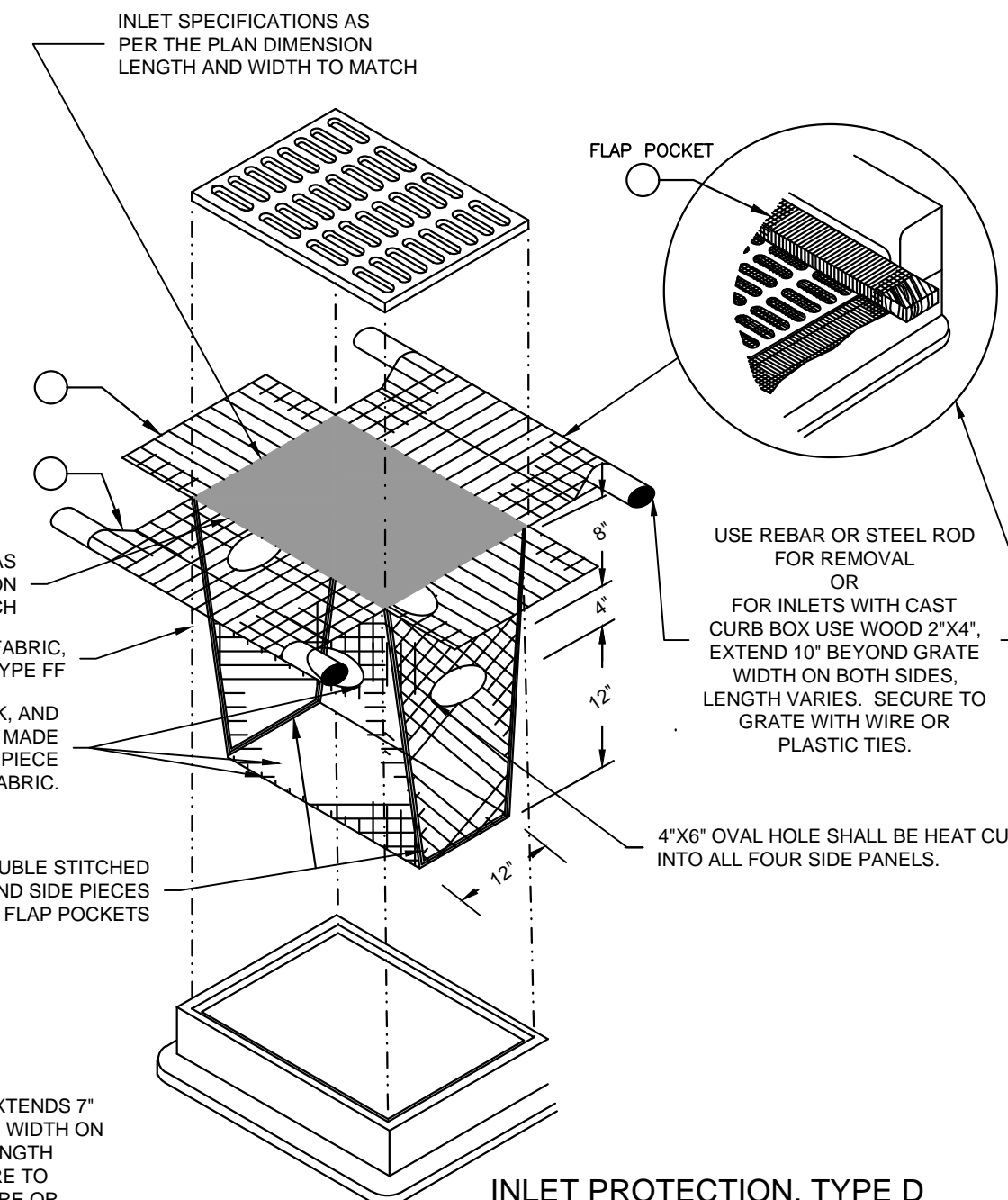
INSTALLATION NOTES

TYPE B & C TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

B INLET PROTECTION TYPE A, B, C, AND D: WDNR TS-1060

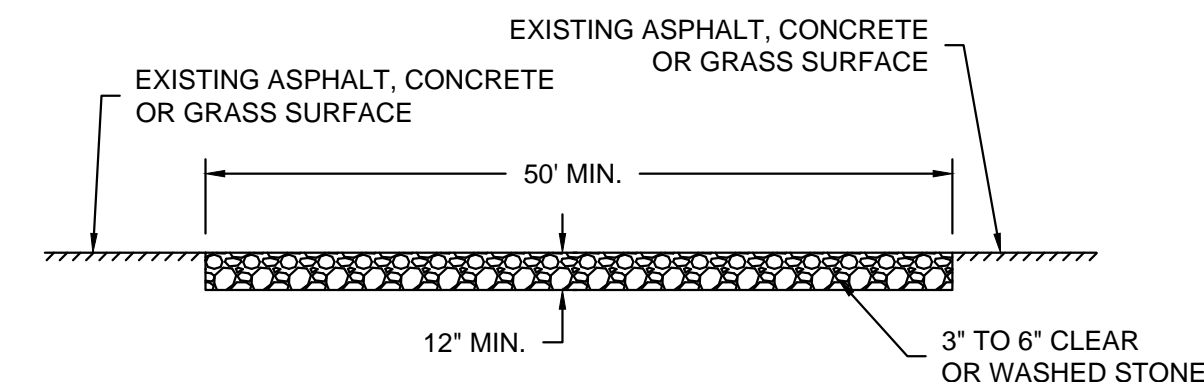
NOT TO SCALE



INLET PROTECTION, TYPE D (CAN BE INSTALLED IN ANY INLET WITH OR WITHOUT A CURB BOX AS PER NOTE)

GENERAL NOTE: INLET PROTECTION SHALL CONFORM TO WDNR CONSERVATION PRACTICE STANDARD #1060

THIS DRAWING IS BASED ON WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD DETAIL DRAWING 8 E 10-2



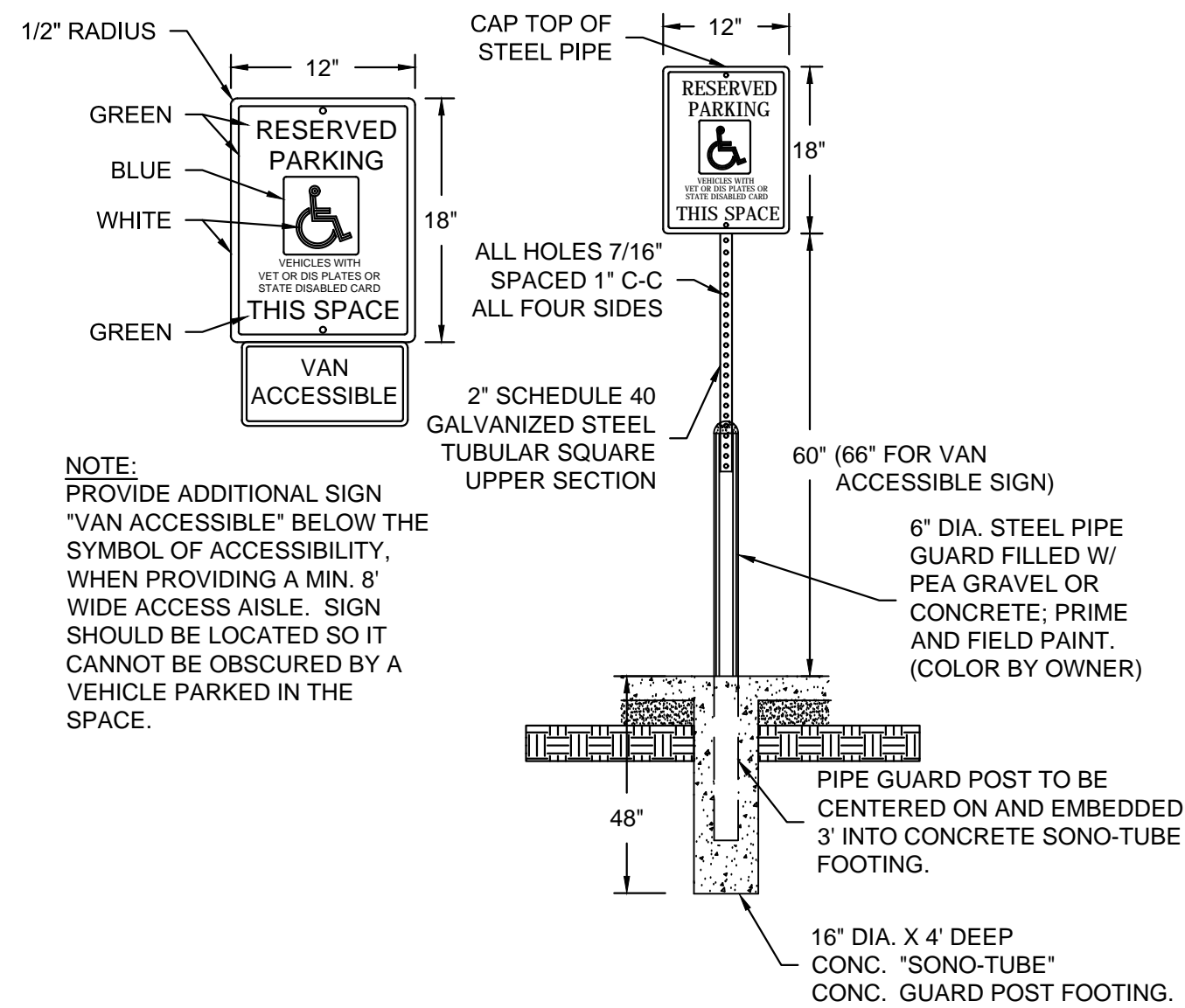
GENERAL NOTE: STONE TRACKING PAD SHALL CONFORM TO WDNR CONSERVATION PRACTICE STANDARD #1057

CONSTRUCTION ENTRANCE/EXIT DETAIL: WDNR TS-1057

C NOT TO SCALE

EROSION CONTROL NOTES:

1. CONSTRUCTION SITE EROSION CONTROL AND SEDIMENTATION CONTROL SHALL COMPLY WITH THE REQUIREMENTS OF THE LOCAL MUNICIPALITY AND SHALL EMPLOY EROSION CONTROL METHODS AS SHOWN AND SPECIFIED IN THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARDS.
2. ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.
3. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CHECKED FOR STABILITY AND OPERATION AFTER A RAINFALL OF 0.5 INCHES OR MORE, BUT NO LESS THAN ONCE EVERY WEEK. MAINTENANCE OF ALL EROSION CONTROL STRUCTURES SHALL BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AND REMOVAL OF ALL SEDIMENT WHEN LEAVING PROPERTY. EROSION CONTROL MEASURES MUST BE IN WORKING CONDITION AT END OF EACH WORK DAY. DOCUMENT AND MAINTAIN RECORDS OF INSPECTIONS IN ACCORDANCE WITH WDNR NR216 REQUIREMENTS.
4. SILT FENCE SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE SILT FENCE WHEN DEPOSITS REACH A DEPTH OF 6 INCHES. THE SILT FENCE SHALL BE REPAIRED OR REPLACED AS NECESSARY TO MAINTAIN A BARRIER.
5. FILTER FABRIC SHALL BE INSTALLED BENEATH INLET COVERS TO TRAP SEDIMENT PER INLET PROTECTION DETAIL IN THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS.
6. EROSION CONTROL MEASURES SHALL BE MAINTAINED ON A CONTINUING BASIS UNTIL SITE IS FULLY STABILIZED.
7. PERIODIC STREET SWEEPING SHALL BE COMPLETED TO MAINTAIN ADJACENT STREETS FREE OF DUST AND DIRT.
8. SILT FENCE SHALL BE INSTALLED IN HORSESHOE FASHION AROUND ANY TOPSOIL AND FILL STOCKPILES.
9. SITE DEWATERING. WATER PUMPED FROM THE SITE SHALL BE TREATED BY SEDIMENT BASINS OR OTHER APPROPRIATE MEASURES SPECIFIED IN THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARDS. WATER MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE, ADJACENT SITES, OR RECEIVING CHANNELS.
10. 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.
11. 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 MUNICIPALITY, BEFORE THE END OF EACH WORKDAY. FLUSHING MAY NOT BE USED UNLESS SEDIMENT WILL BE CONTROLLED BY A SEDIMENT BASIN OR PRACTICE SPECIFIED IN THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARDS. NOTIFY MUNICIPALITY OF ANY CHANGES IN STABILIZED CONSTRUCTION ENTRANCE LOCATION.
12. 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 WORKDAY. ALL OTHER OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE CLEANED UP BY THE END OF THE WORKDAY.
13. ALL DISTURBED GROUND LEFT INACTIVE FOR SEVEN OR MORE DAYS SHALL BE STABILIZED BY TEMPORARY OR PERMANENT SEEDING, MULCHING, SODDING, COVERING WITH TARPS, OR EQUIVALENT PRACTICE FOUND IN THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARD. IF TEMPORARY SEEDING IS USED, A PERMANENT COVER SHALL ALSO BE REQUIRED AS PART OF THE FINAL SITE STABILIZATION. SEEDING OR SODDING SHALL BE REQUIRED AS PART OF THE FINAL SITE STABILIZATION.
14. 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 THIRTY DAYS, PILES SHALL BE STABILIZED BY MULCHING, VEGETATIVE COVER, TARPS OR OTHER MEANS.
15. WHEN THE DISTURBED AREA HAS BEEN STABILIZED BY PERMANENT VEGETATION OR OTHER MEANS, TEMPORARY PRACTICES, SUCH AS FILTER FABRIC FENCES, STRAW BALES, SEDIMENT AND SEDIMENT TRAPS, FOUND IN THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARDS SHALL BE REMOVED.
16. NOTIFY THE LOCAL MUNICIPALITY HAVING JURISDICTION WITHIN TWO WORKING DAYS OF COMMENCING ANY LAND DEVELOPMENT OR LAND DISTURBING ACTIVITY.
17. OBTAIN PERMISSION FROM THE LOCAL MUNICIPALITY HAVING JURISDICTION PRIOR TO MODIFYING THE EROSION CONTROL PLAN.
18. REPAIR ANY SILTATION OR EROSION DAMAGE TO ADJOINING SURFACES AND DRAINAGE WAYS RESULTING FROM LAND DEVELOPMENT OR LAND DISTURBING ACTIVITIES.
19. KEEP A COPY OF THE EROSION CONTROL PLAN ON SITE.
20. CONTRACTOR SHALL, TO THE EXTENT POSSIBLE, MINIMIZE DISTURBANCE OF EXISTING VEGETATION DURING CONSTRUCTION.
21. CONTRACTOR SHALL, TO THE EXTENT POSSIBLE, MINIMIZE COMPACTION OF TOPSOIL AND PRESERVE TOPSOIL IN GREENSPACE AREAS.
22. WASH WATER FROM VEHICLES AND WHEEL WASHING SHALL BE CONTAINED AND TREATED PRIOR TO DISCHARGE.
23. CONTRACTOR SHALL MAINTAIN SPILL KITS ON-SITE.
24. PERMANENT TURF SEEDING OF DISTURBED AREA MUST OCCUR PRIOR TO SEPTEMBER 15TH. IF ADEQUATE TIME IS NOT AVAILABLE TO APPLY PERMANENT SEEDING PRIOR TO SEPTEMBER 15TH, THEN DISTURBED AREAS SHALL BE TEMPORARILY SEEDED WITH AN ANNUAL RYE GRASS PER WDNR TECHNICAL STANDARD 1059, WHERE THE TEMPORARY SEEDING MUST OCCUR PRIOR TO OCTOBER 15TH.
25. IF TEMPORARY SEEDING IS NOT COMPLETED BY OCTOBER 15TH, APPLY SOIL STABILIZERS AND DORMANT SEED TO DISTURBED AREA PER WDNR TECHNICAL STANDARD 1050. INSPECT ANIONIC PAM APPLICATION AT A MINIMUM FREQUENCY OF EVERY TWO MONTHS AND REAPPLY AS NECESSARY.



D HANDICAP SIGN & BOLLARD POST

NOT TO SCALE

NO. REVISION DATE BY

DRAWING NO. 18079-DETAILS.DWG

DRAWN BY: ARF

DATE: 1/04/19

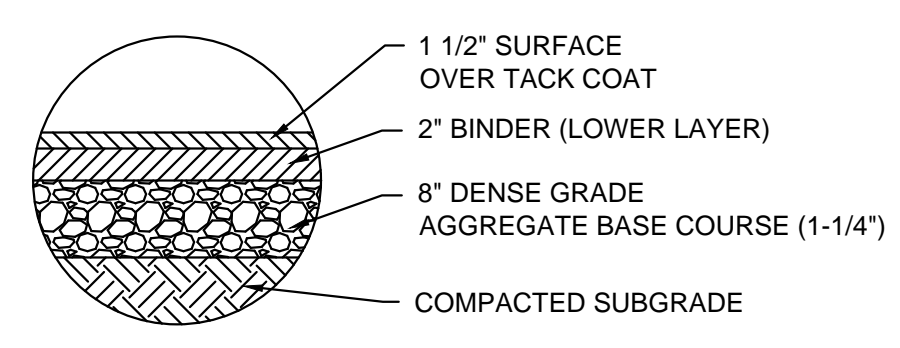
PROJECT NO: 18079

CHECKED BY: TPM

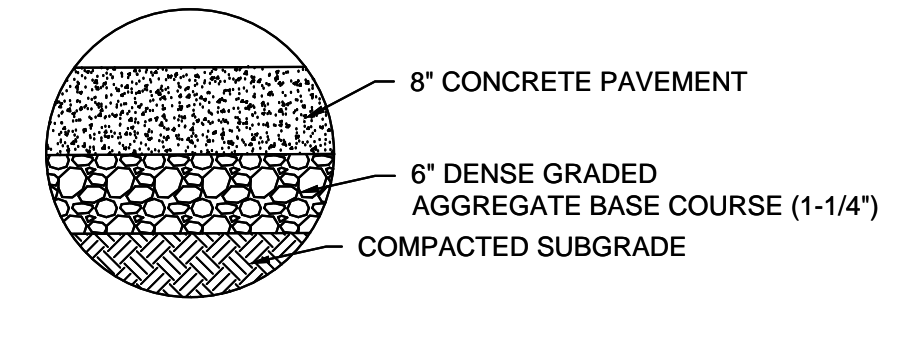
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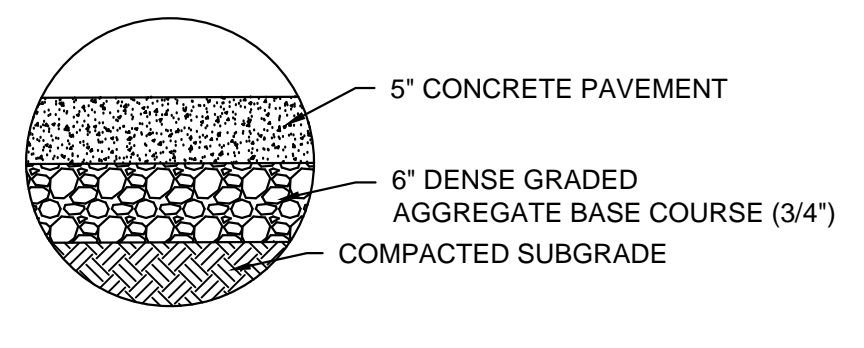
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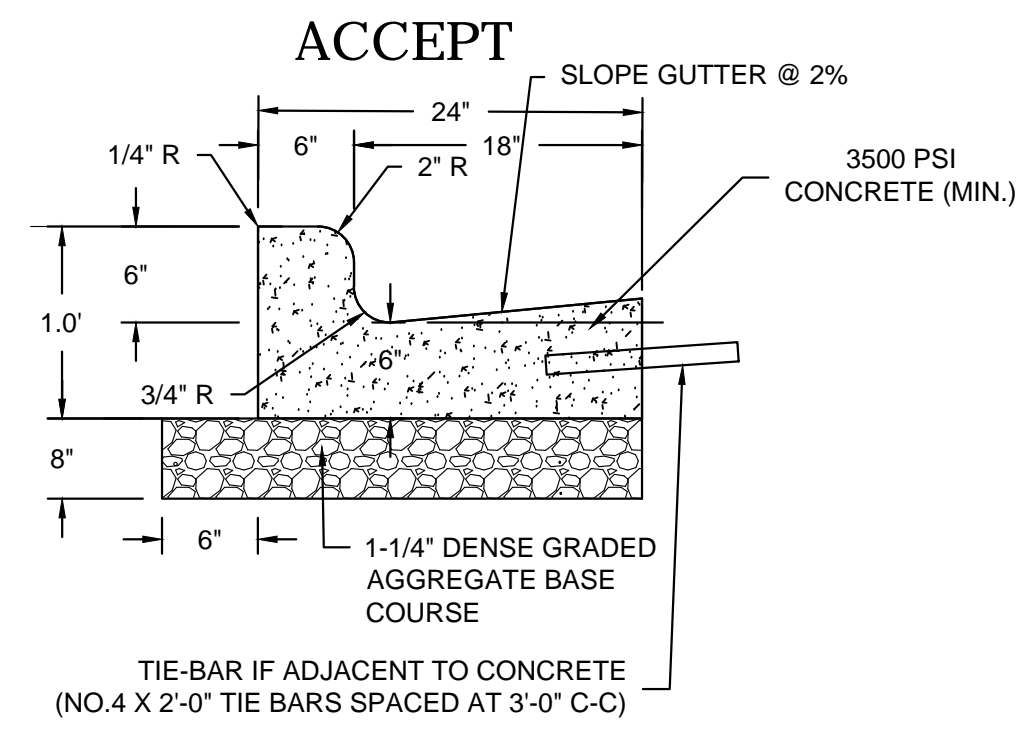
A ASPHALT PAVEMENT SECTION
 NOT TO SCALE



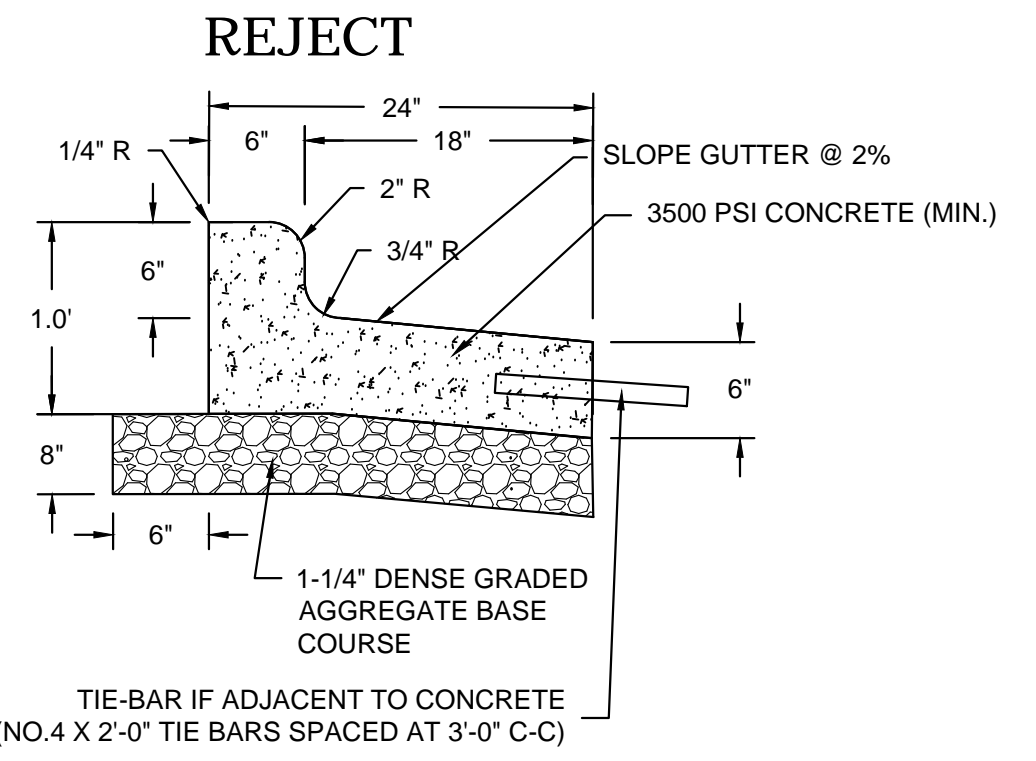
B CONCRETE PAVEMENT SECTION
 NOT TO SCALE



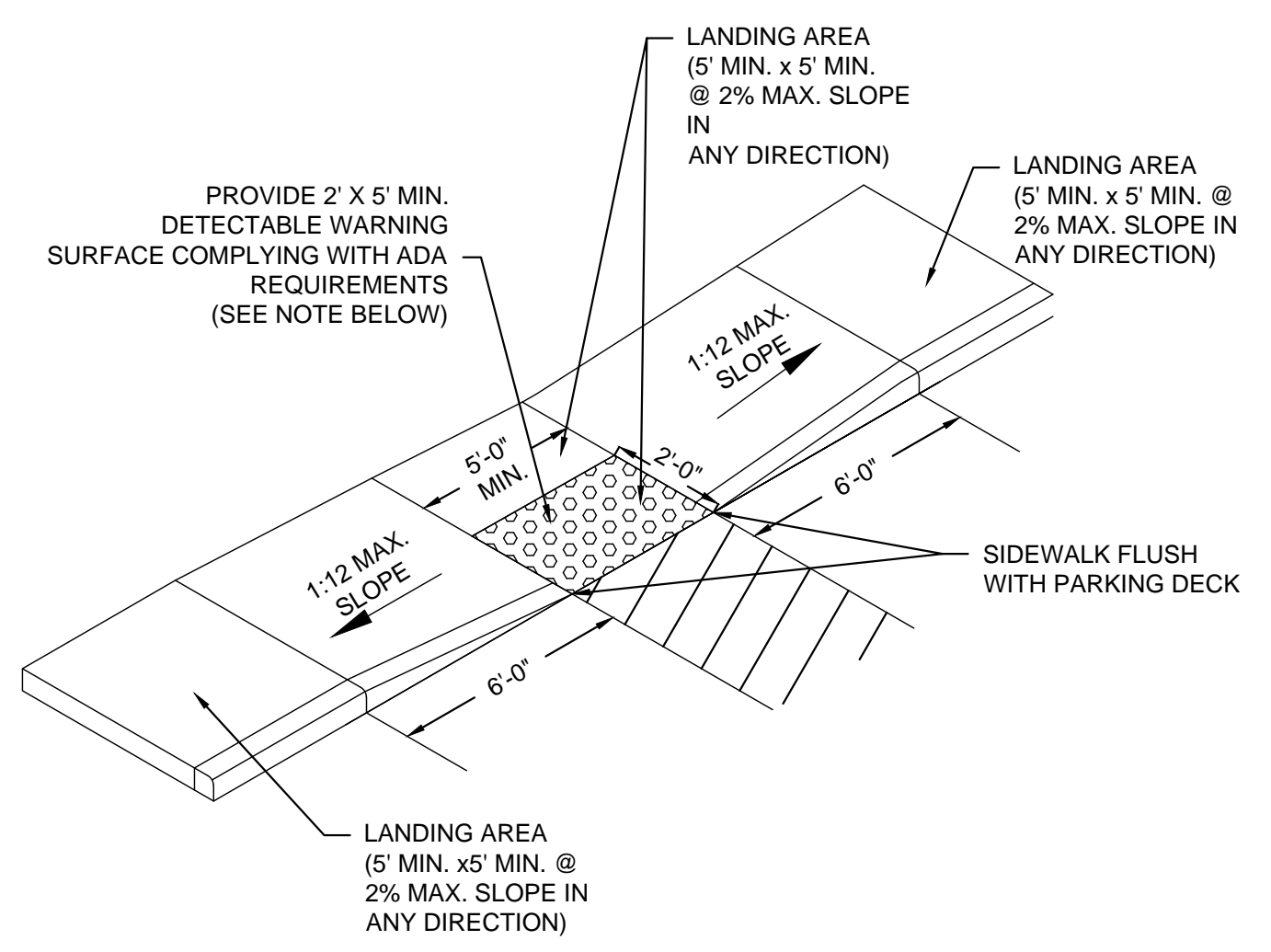
C CONCRETE SIDEWALK SECTION
 NOT TO SCALE



D 24" CONCRETE CURB & GUTTER SECTION
 NOT TO SCALE

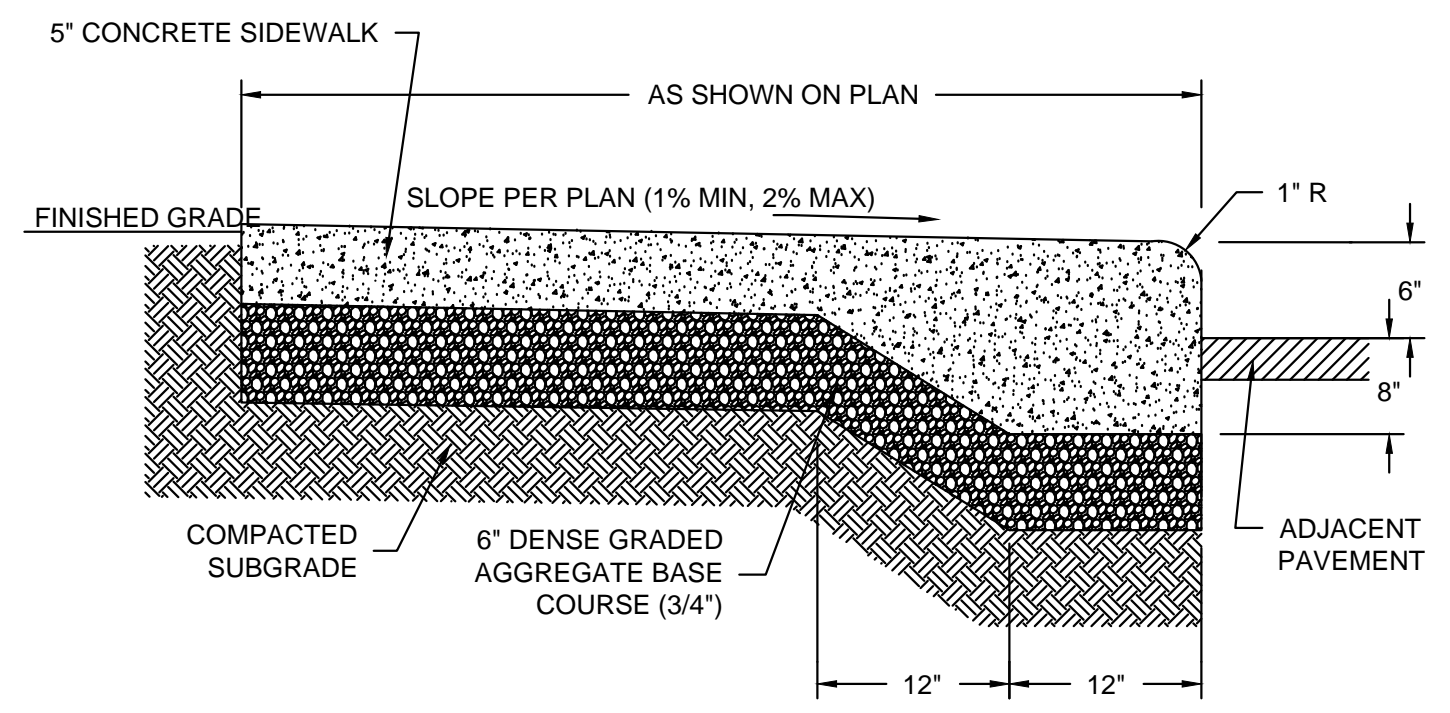


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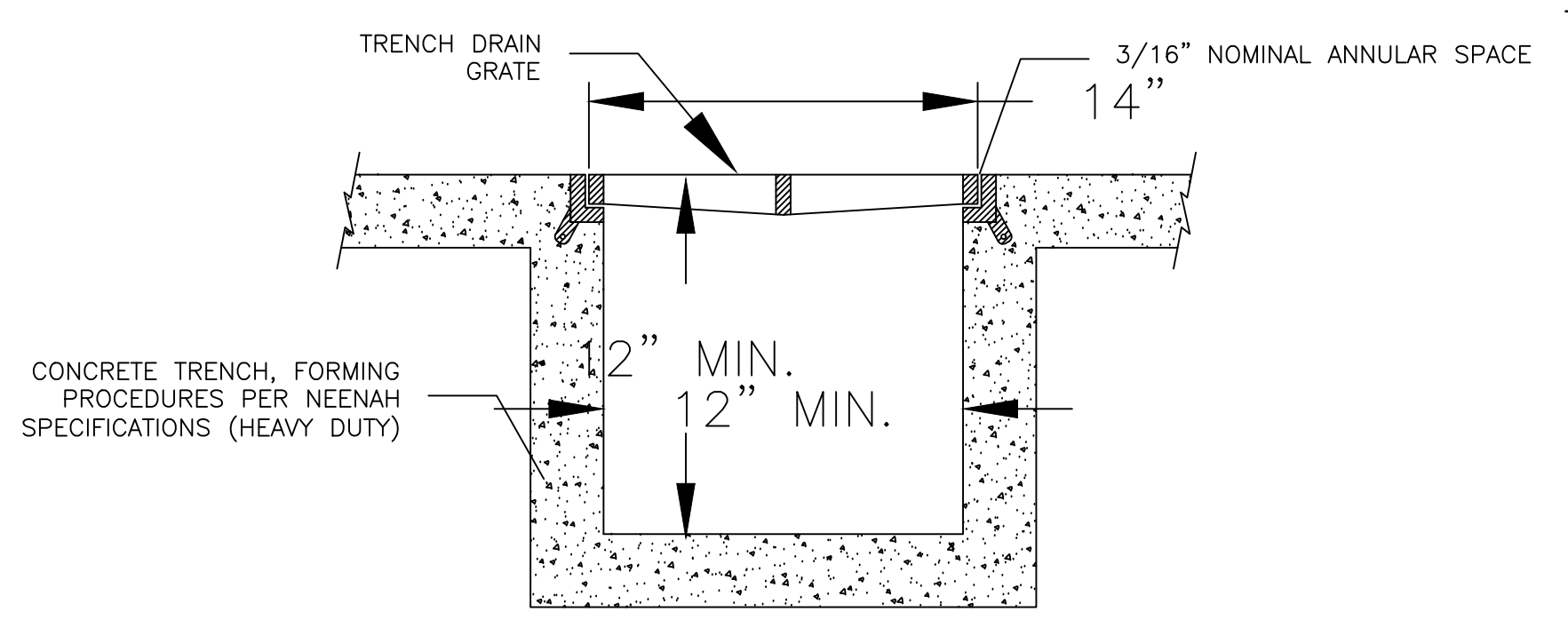


- NOTES:**
- CONTRACTOR TO VERIFY ADA RAMP DETAIL WITH CITY AND ADJUST AS NEEDED.
 - PROVIDE DETECTABLE WARNING CONSISTING OF RAISED TRUNCATED DOMES OF SIZE, SPACING AND CONTRAST REQUIRED BY ADA GUIDELINES.
 - DETECTABLE WARNINGS SHALL BE PER CITY STANDARDS.

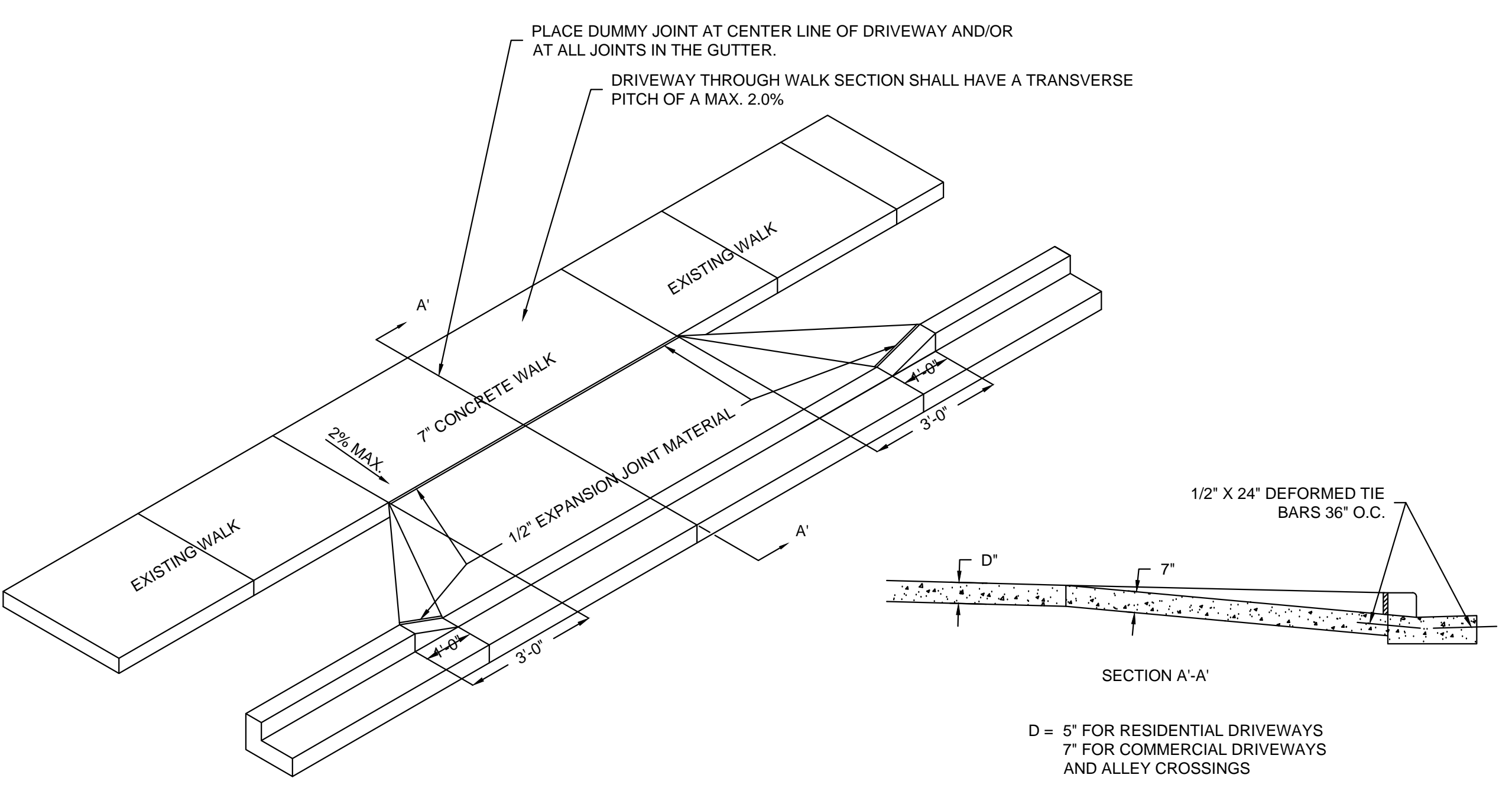
E ADA RAMP DETAIL (TYPE 1)
 NOT TO SCALE



F CONCRETE WALK WITH INTEGRAL CURB
 NOT TO SCALE



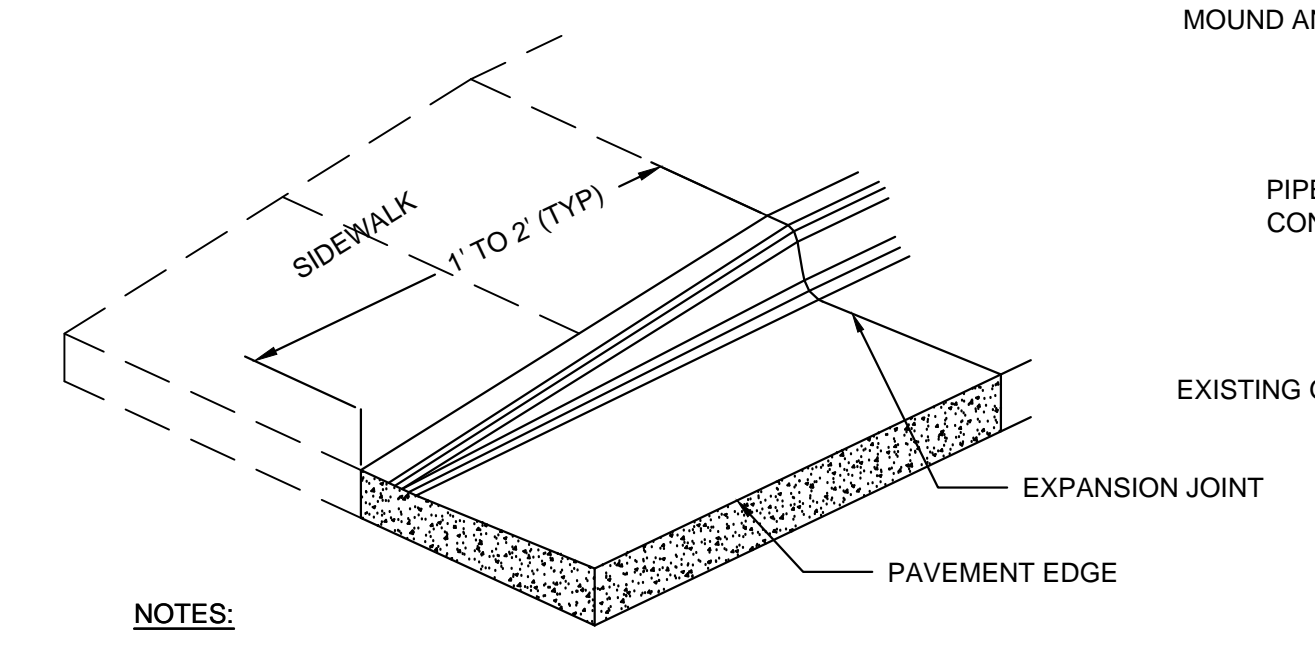
I TRENCH DRAIN
 NOT TO SCALE



D = 5' FOR RESIDENTIAL DRIVEWAYS
 7' FOR COMMERCIAL DRIVEWAYS
 AND ALLEY CROSSINGS

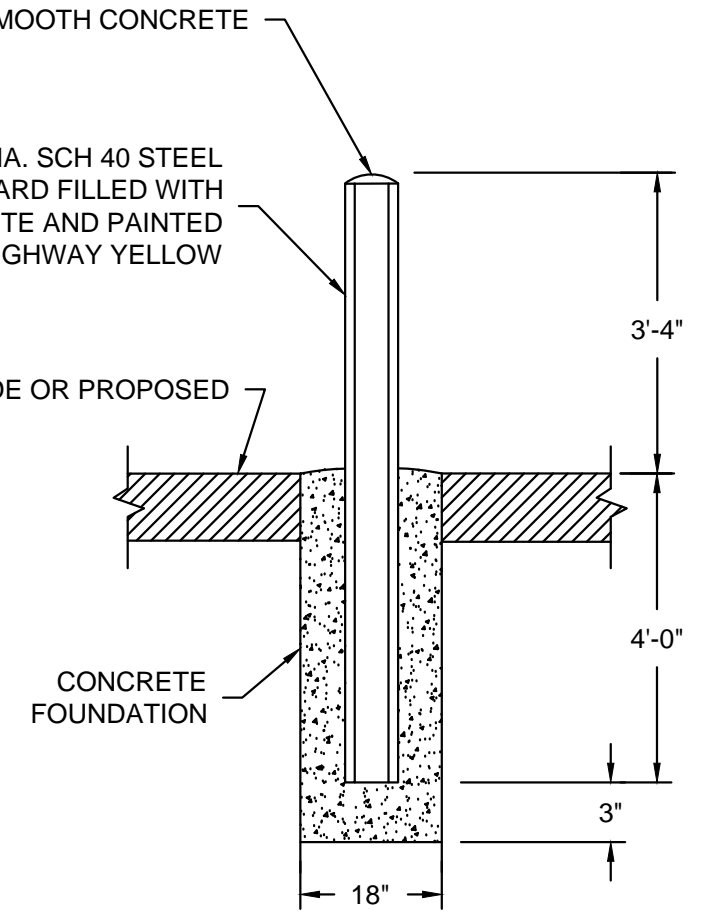
- NOTES:**
- IF LOCAL JURISDICTION HAS A TYPICAL DRIVEWAY DETAIL THAT DIFFERS FROM STANDARD DETAIL, LOCAL JURISDICTION SHALL OVERRIDE STANDARD DETAIL.

K CONCRETE DRIVEWAY (WITH CONCRETE WALK)
 NOT TO SCALE

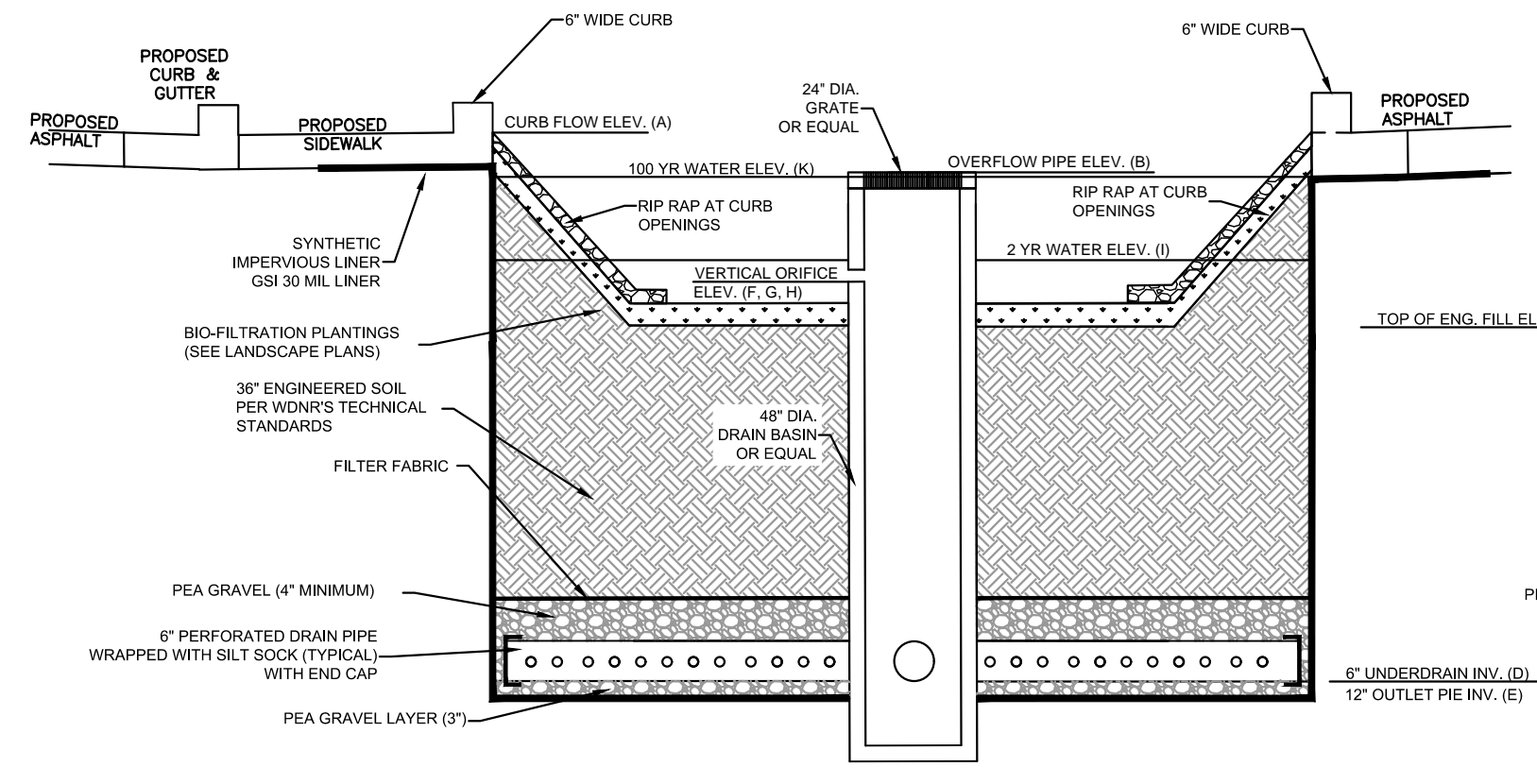


- NOTES:**
- IF SIDEWALK IS ADJACENT TO CURB TAPER, TAPER SHALL BE EXTENDED TO 10' TO MAINTAIN 5% MAX SLOPE ON WALK FOR ADA ACCESS

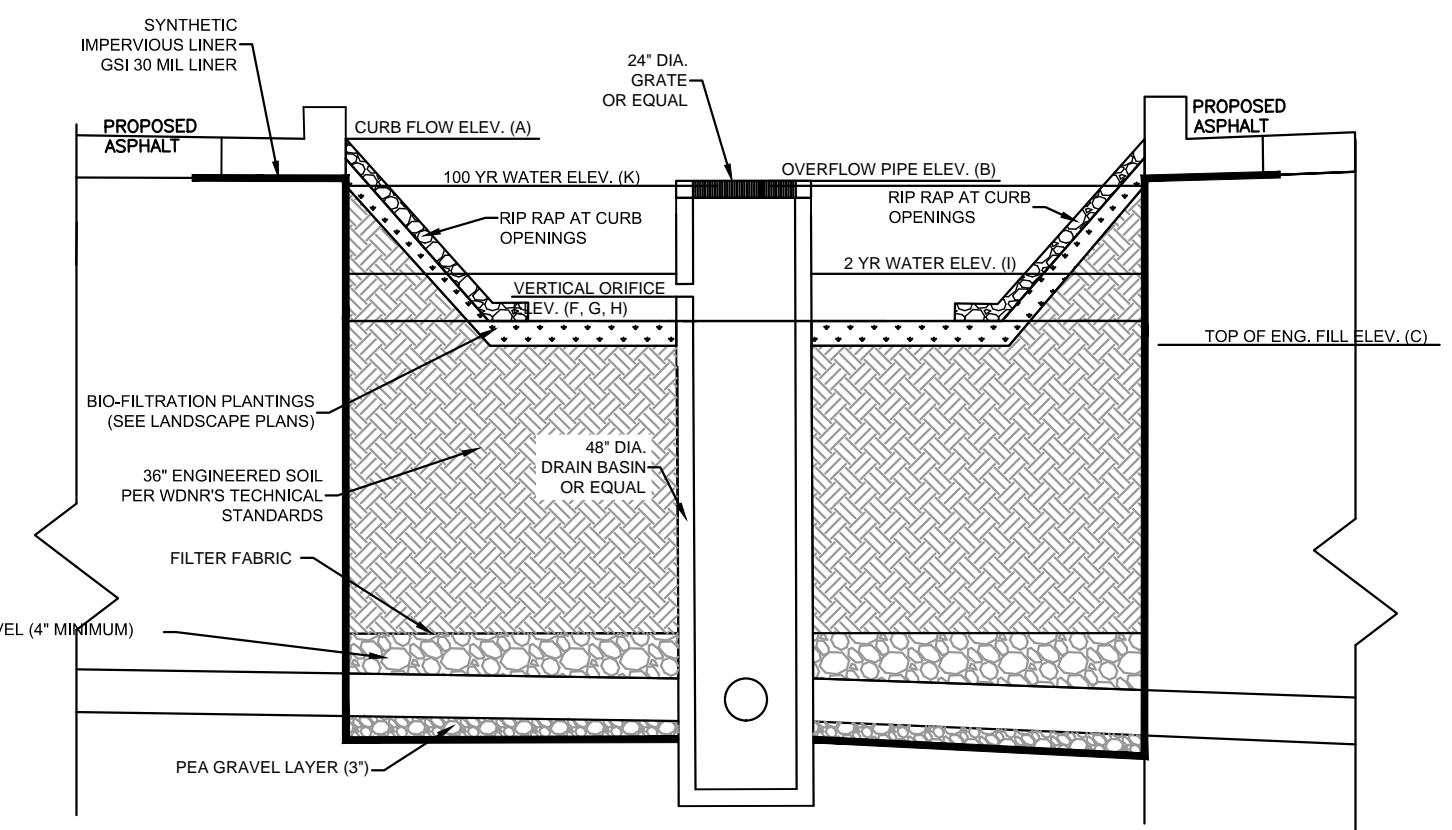
G CURB TAPER
 NOT TO SCALE



H BOLLARD
 NOT TO SCALE



SECTION A-A



SECTION B-B

J TYPICAL BIO-FILTRATION DETAILS

BIO-FILTRATION AREA	BIO-FILTRATION SUMMARY TABLE										
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
	TOP OF POND (CURB FLOW LINE)	OVERFLOW RIM ELEVATION	TOP OF ENGINEERED FILL ELEVATION	6" DIAMETER UNDERDRAIN ELEVATION	OUTLET PIPE SIZE	OUTLET PIPE ELEVATION	VERTICAL ORIFICE DIAMETER (INCH)	VERTICAL ORIFICE ELEVATION	# OF VERTICAL ORIFICES	2 YR WATER ELEVATION	100 YR WATER ELEVATION
SUMMIT BIO-1 FORMER FUT BIO 16	11.00	9.83	8.08	4.75	12"	4.75	3.00	8.58	2.00	8.94	9.89
SUMMIT BIO-2 FORMER FUT BIO 14	11.10	9.83	8.40	4.75	12"	4.75	3.00	8.90	2.00	9.15	9.82

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DETAILS

NO. REVISION DATE BY

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C401

CONCRETE PAVING:

1. THE COMPOSITION, PLACING AND CONSTRUCTION OF CONCRETE PAVEMENTS SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF SECTIONS 415, 416, 501, 601, AND 602 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION (WISDOT STANDARD SPECIFICATIONS) AND LOCAL MUNICIPAL REQUIREMENTS AND SPECIFICATIONS.
2. CONTRACTOR SHALL PROVIDE PRODUCT DATA FOR EACH TYPE OF PRODUCT INDICATED - INCLUDE TECHNICAL DATA AND TESTED PHYSICAL AND PERFORMANCE PROPERTIES; JOB-MIX DESIGNS: CERTIFICATION THAT MIX MEETS OR EXCEEDS WISDOT STANDARD SPECIFICATIONS; AND MATERIAL CERTIFICATES CERTIFYING COMPLIANCE WITH WISDOT STANDARD SPECIFICATIONS.
3. MANUFACTURER QUALIFICATIONS: MANUFACTURER OF READY-MIXED CONCRETE PRODUCTS WHO COMPLIES WITH ASTM C 94/C 94M REQUIREMENTS FOR PRODUCTION FACILITIES AND EQUIPMENT AND APPROVED BY THE WISCONSIN DEPARTMENT OF TRANSPORTATION.
4. CONCRETE GRADE: GRADE A OR GRADE A-2 CONFORMING TO SECTION 501.3.1.3 OF THE WISDOT STANDARD SPECIFICATIONS
5. AGGREGATES: CONFORM TO SECTION 501 OF THE WISDOT STANDARD SPECIFICATIONS. PROVIDE AGGREGATES FROM A SINGLE SOURCE.
6. WATER: ASTM C 94/C 94M AND SECTION 501 OF THE WISDOT STANDARD SPECIFICATIONS.
7. AIR-ENTRAINING ADMIXTURE: ASTM C 260 AND SECTION 501 OF THE WISDOT STANDARD SPECIFICATIONS.
8. CHEMICAL ADMIXTURES: PER SECTION 501 OF THE WISDOT STANDARD SPECIFICATIONS.
9. CURING MATERIALS IN ACCORDANCE WITH SECTION 415.3.12 OF THE WISDOT STANDARD SPECIFICATIONS.
10. EXPANSION JOINT MATERIAL: CONFORM TO SECTION 415.2.2 OF THE WISDOT STANDARD SPECIFICATIONS.
11. MEASURE, BATCH, AND MIX CONCRETE MATERIALS AND CONCRETE IN ACCORDANCE WITH SECTION 501 OF THE WISDOT STANDARD SPECIFICATIONS.
12. GENERAL EXECUTION: CONFORM TO SECTION 415 OF THE WISDOT STANDARD SPECIFICATIONS.
13. PROOFROLL SUBGRADE AND AGGREGATE BASE AS OUTLINED IN EARTH MOVING SPECIFICATION PRIOR TO PLACEMENT OF PAVEMENTS.
14. SET, BRACE, AND SECURE EDGE FORMS, BULKHEADS, AND INTERMEDIATE SCREED GUIDES FOR PAVEMENT TO REQUIRED LINES, GRADES, AND ELEVATIONS. INSTALL FORMS TO ALLOW CONTINUOUS PROGRESS OF WORK AND SO FORMS CAN REMAIN IN PLACE AT LEAST 24 HOURS AFTER CONCRETE PLACEMENT.
15. CLEAN FORMS AFTER EACH USE AND COAT WITH FORM-RELEASE AGENT TO ENSURE SEPARATION FROM CONCRETE WITHOUT DAMAGE.
16. JOINTS GENERAL: FORM CONSTRUCTION, ISOLATION, AND CONTRACTION JOINTS AND TOOL EDGINGS TRUE TO LINE WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE. CONSTRUCT TRANSVERSE JOINTS AT RIGHT ANGLES TO CENTERLINE, UNLESS OTHERWISE INDICATED. CONFORM TO SECTION 415 OF THE WISDOT STANDARD SPECIFICATIONS
17. CONSTRUCTION JOINTS: SET CONSTRUCTION JOINTS AT SIDE AND END TERMINATIONS OF PAVEMENT AND AT LOCATIONS WHERE PAVEMENT OPERATIONS ARE STOPPED FOR MORE THAN ONE-HALF HOUR UNLESS PAVEMENT TERMINATES AT ISOLATION JOINTS.
18. ISOLATION JOINTS: FORM ISOLATION JOINTS OF PREFORMED JOINT-FILLER STRIPS ABUTTING CONCRETE CURBS, CATCH BASINS, MANHOLES, INLETS, STRUCTURES, WALKS, OTHER FIXED OBJECTS, AND WHERE INDICATED.
19. CONTRACTION JOINTS: FORM WEAKENED-PLANE CONTRACTION JOINTS, SECTIONING CONCRETE INTO AREAS AS INDICATED. CONSTRUCT CONTRACTION JOINTS FOR A DEPTH EQUAL TO AT LEAST ONE-FOURTH OF THE CONCRETE THICKNESS TO MATCH JOINTING OF EXISTING ADJACENT CONCRETE PAVEMENT.
20. EDGING: TOOL EDGES OF PAVEMENT, GUTTERS, CURBS, AND JOINTS IN CONCRETE AFTER INITIAL FLOATING WITH AN EDGING TOOL TO A 1/4-INCH RADIUS. REPEAT TOOLING OF EDGES AFTER APPLYING SURFACE FINISHES. ELIMINATE TOOL MARKS ON CONCRETE SURFACES.
21. CURBING: COMPLY WITH SECTION 601 OF THE WISDOT STANDARD SPECIFICATIONS.
22. SIDEWALKS: COMPLY WITH SECTION 602 OF THE WISDOT STANDARD SPECIFICATIONS.
23. MOISTEN AGGREGATE TO PROVIDE A UNIFORM DAMPENED CONDITION AT TIME CONCRETE IS PLACED.
24. FINISH CURBING IN ACCORDANCE WITH SECTION 601.3.5 OF THE WISDOT STANDARD SPECIFICATIONS.
25. FINISH SIDEWALK AND PATIO IN ACCORDANCE WITH SECTION 602.3.2.3 OF THE WISDOT STANDARD SPECIFICATIONS (LIGHT BROOM FINISH).
26. FINISH CONCRETE VEHICULAR PAVEMENTS AND PADS IN ACCORDANCE WITH SECTION 415.3.8 OF THE WISDOT STANDARD SPECIFICATIONS (ARTIFICIAL TURF DRAG FINISH).
27. PROTECT AND CURE SIDEWALK IN ACCORDANCE WITH SECTION 602.3.2.6 OF THE WISDOT STANDARD SPECIFICATIONS.
28. PROTECT AND CURE CURBING IN ACCORDANCE WITH SECTION 601.3.7 OF THE WISDOT STANDARD SPECIFICATIONS.
29. PROTECT AND CURE VEHICULAR CONCRETE PAVING IN ACCORDANCE WITH SECTION 415.3.12 OF THE WISDOT STANDARD SPECIFICATIONS.
30. REMOVE AND REPLACE CONCRETE PAVEMENT THAT IS BROKEN, DAMAGED, OR DEFECTIVE OR THAT DOES NOT COMPLY WITH REQUIREMENTS IN THIS SECTION.
31. PROTECT CONCRETE FROM DAMAGE. EXCLUDE TRAFFIC FROM PAVEMENT FOR AT LEAST 7 DAYS AFTER PLACEMENT.
32. MAINTAIN CONCRETE PAVEMENT FREE OF STAINS, DISCOLORATION, DIRT, AND OTHER FOREIGN MATERIAL. SWEEP CONCRETE PAVEMENT NOT MORE THAN TWO DAYS BEFORE DATE SCHEDULED FOR SUBSTANTIAL COMPLETION INSPECTIONS.

ASPHALTIC PAVING:

1. THE COMPOSITION, PLACING AND CONSTRUCTION OF ASPHALTIC PAVEMENTS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 450, 455, 460, 465, AND 475 OF THE STATE OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION (WISDOT STANDARD SPECIFICATIONS).
2. CONTRACTOR SHALL PROVIDE PRODUCT DATA FOR EACH TYPE OF PRODUCT INDICATED - INCLUDE TECHNICAL DATA AND TESTED PHYSICAL AND PERFORMANCE PROPERTIES; JOB-MIX DESIGNS: CERTIFICATION THAT MIX MEETS OR EXCEEDS WISDOT STANDARD SPECIFICATIONS; AND MATERIAL CERTIFICATES CERTIFYING COMPLIANCE WITH WISDOT STANDARD SPECIFICATIONS.
3. MANUFACTURER QUALIFICATIONS: MANUFACTURER SHALL BE REGISTERED WITH AND APPROVED BY THE DOT OF THE STATE IN WHICH PROJECT IS LOCATED.
4. ENVIRONMENTAL LIMITATIONS: DO NOT APPLY ASPHALT MATERIALS IF BASE COURSE IS WET OR EXCESSIVELY DAMP OR IF THE FOLLOWING CONDITIONS ARE NOT MET: APPLY TACK COAT WHEN AMBIENT TEMPERATURE IS ABOVE 50 DEGREES FAHRENHEIT AND WHEN TEMPERATURE HAS NOT BEEN BELOW 35 DEGREES FAHRENHEIT FOR 12 HOURS IMMEDIATELY PRIOR TO APPLICATION; PLACE ASPHALTIC CONCRETE SURFACE COURSE WHEN TEMPERATURE IS ABOVE 40 DEGREES FAHRENHEIT; BASE COURSE MAY BE PLACED WHEN AIR TEMPERATURE IS ABOVE 30 DEGREES FAHRENHEIT AND RISING. PROCEED WITH PAVEMENT MARKING ONLY ON CLEAN, DRY SURFACES. DO NOT APPLY BELOW THE MINIMUM PAVEMENT TEMPERATURE AS RECOMMENDED BY THE MANUFACTURER.
5. AGGREGATES SHALL BE IN ACCORDANCE WITH SECTION 460.2.2 OF THE WISDOT STANDARD SPECIFICATIONS.
6. ASPHALT MATERIALS SHALL BE IN ACCORDANCE WITH CHAPTER 455 OF THE WISDOT STANDARD SPECIFICATIONS.
7. PAVEMENT MARKING PAINT: PROVIDE PAINT FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION'S APPROVED PRODUCTS LIST. COLOR SHALL BE WHITE UNLESS INDICATED OTHERWISE ON PLANS.
8. HOT-MIX ASPHALT: ASPHALTIC BINDER COURSE AND SURFACE COURSE SHALL BE MIXTURE E-1 FOR REGULAR DUTY PAVEMENT AND E-1 FOR HEAVY DUTY PAVEMENT COMPLYING WITH THE WISDOT STANDARD SPECIFICATIONS.
9. AGGREGATE BASE COURSE BENEATH PAVEMENTS: SHALL BE 1-1/4" DENSE GRADED BASE COURSE CONFORMING TO SECTION 305 OF THE WISDOT STANDARD SPECIFICATIONS.
10. PAVEMENT PLACEMENT GENERAL: ASPHALT CONCRETE PAVING EQUIPMENT, WEATHER LIMITATIONS, JOB-MIX FORMULA, MIXING, CONSTRUCTION METHODS, COMPACTION, FINISHING, TOLERANCE AND PROTECTION SHALL CONFORM TO THE REQUIREMENTS OF THE APPROPRIATE SECTIONS OF THE WISDOT STANDARD SPECIFICATIONS.
11. PREPARE AND PROOFROLL SUBGRADES AND AGGREGATE BASE COURSE AS OUTLINED IN EARTH MOVING SPECIFICATIONS PRIOR TO PLACEMENT OF ASPHALT PAVEMENTS.
12. SWEEP LOOSE GRANULAR PARTICLES FROM SURFACE OF AGGREGATE BASE COURSE PRIOR TO PAVEMENT PLACEMENT. DO NOT DISLODGE OR DISTURB AGGREGATE EMBEDDED IN COMPACTED SURFACE OF BASE COURSE.
13. SPREAD AND FINISH ASPHALTIC MIXTURE IN ACCORDANCE WITH SECTION 450.3.2.5 OF THE WISDOT STANDARD SPECIFICATIONS. PAVEMENT THICKNESSES SHALL BE AS INDICATED ON THE PLANS.
14. PROMPTLY CORRECT SURFACE IRREGULARITIES IN PAVING COURSE BEHIND PAVER. USE SUITABLE HAND TOOLS TO REMOVE EXCESS MATERIAL FORMING HIGH SPOTS. FILL DEPRESSIONS WITH HOT-MIX ASPHALT TO PREVENT SEGREGATION OF MIX; USE SUITABLE HAND TOOLS TO SMOOTH SURFACE.
15. COMPACT ASPHALTIC PAVEMENT IN ACCORDANCE WITH SECTION 450.3.2.6 OF THE WISDOT STANDARD SPECIFICATIONS.
16. PROTECTION: AFTER FINAL ROLLING, DO NOT PERMIT VEHICULAR TRAFFIC ON PAVEMENT UNTIL IT HAS COOLED AND HARDENED. ERECT BARRICADES TO PROTECT PAVING FROM TRAFFIC UNTIL MIXTURE HAS COOLED ENOUGH NOT TO BECOME MARKED.
17. THICKNESS TOLERANCE: COMPACT EACH COURSE TO PRODUCE THE THICKNESS INDICATED WITHIN PLUS/MINUS 1/4 INCH FOR BINDER COURSE AND PLUS 1/4 INCH FOR SURFACE COURSE, NO MINUS.
18. SURFACE SMOOTHNESS TOLERANCE: COMPACT EACH COURSE TO PRODUCE A SURFACE SMOOTHNESS WITHIN THE FOLLOWING TOLERANCES AS DETERMINED BY USING A 10-FOOT STRAIGHTEDGE APPLIED TRANSVERSELY OR LONGITUDINALLY TO PAVED AREAS: BINDER COURSE: 1/4 INCH; SURFACE COURSE: 1/8 INCH. REMOVE AND REPLACE ALL HUMPS OR DEPRESSIONS EXCEEDING THE SPECIFIED TOLERANCES.
19. DO NOT APPLY PAVEMENT-MARKING PAINT UNTIL LAYOUT, COLORS, AND PLACEMENT HAVE BEEN VERIFIED WITH ENGINEER.
20. APPLY MARKINGS TO A DRY SURFACE FREE FROM FROST. REMOVE DUST, DIRT, OIL, GREASE, GRAVEL, DEBRIS OR OTHER MATERIAL THAT MAY PREVENT BONDING TO THE PAVEMENT.
21. APPLY PAINT AS THE MANUFACTURER SPECIFIES WITH MECHANICAL EQUIPMENT TO PRODUCE PAVEMENT MARKINGS, OF DIMENSIONS INDICATED, WITH UNIFORM, STRAIGHT EDGES. APPLY AT MANUFACTURER'S RECOMMENDED RATES AT A MINIMUM RATE OF 17.6 GALLONS/MILE FOR A CONTINUOUS 4" LINE.
22. TESTING AGENCY: CONTRACTOR SHALL ENGAGE A QUALIFIED INDEPENDENT TESTING AND INSPECTING AGENCY TO PERFORM FIELD TESTS AND INSPECTIONS AND TO PREPARE TEST REPORTS.

BIOFILTRATION BASIN:

1. BIOFILTRATION BASIN SHALL BE CONSTRUCTED IN GENERAL ACCORDANCE WITH WDNr TECHNICAL STANDARD 1004: BIORETENTION FOR INFILTRATION AND THESE SPECIFICATIONS.
2. ENGINEERED SOIL MIX SHALL CONSIST OF A MIX OF 70 TO 85% SAND AND 15 TO 30% COMPOST BASED ON VOLUME. SAND SHALL MEET THE REQUIREMENTS FOR FINE AGGREGATE SAND SPECIFIED SECTION 501.2.5.3.4 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION OR MEET ASTM C33 (FINE AGGREGATE CONCRETE SAND).
3. PRIOR TO PLACEMENT IN THE BIOFILTRATION BASIN, THE ENGINEERED SOIL SHALL BE PREMIXED AND THE MOISTURE CONTENT SHALL BE LOW ENOUGH TO PREVENT CLUMPING AND COMPACTION DURING PLACEMENT.
4. THE ENGINEERED SOIL SHALL BE PLACED IN MULTIPLE LIFTS, EACH APPROXIMATELY 12 INCHES IN DEPTH.
5. ENGINEERED SOIL MIX SHALL BE FREE OF ROCKS, STUMPS, ROOTS, BRUSH OR OTHER MATERIAL OVER ONE INCH IN DIAMETER. NO OTHER MATERIALS SHALL BE MIXED WITH THEE PLANTING SOIL THAT MAY BE HARMFUL TO PLANT GROWTH OR BE A HINDRANCE TO PLANTING OR MAINTENANCE.
6. ENGINEERED SOIL AND GRAVEL SHALL BE IN ACCORDANCE WITH THE LATEST WDNr TECHNICAL STANDARD 1004.
7. PEA GRAVEL SHALL BE GRADED SUCH THAT MINIMUM PARTICLE SIZE IS LARGE ENOUGH TO PREVENT FALLING THROUGH PERFORATIONS OF THE UNDERDRAIN PIPE.
8. BIOFILTRATION BASIN DRAIN PIPE: 6-INCH SCHEDULE 40 PVC PIPE MEETING PERFORATION REQUIREMENTS OF AASHTO M278 HIGHWAY UNDERDRAIN SPECIFICATIONS WITH 3/8" PERFORATIONS ON 6" CENTERS WITH 4 HOLES PER ROW.
9. BEEHIVE INLET: NEENAH R-256I, OR EQUAL
10. RISER STRUCTURE: 36" DIAMETER PRECAST CATCH BASIN STRUCTURE WITH 24" TOP OPENING TO ACCOMMODATE BEEHIVE INLET. IN GENERAL ACCORDANCE WITH FILE NO. 26 OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN.
11. GRAVEL STORAGE LAYER (IF INDICATED ON PLANS): COURSE AGGREGATE #2 IN ACCORDANCE WITH SECTION 501.2.5.4.4 OF THE WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
12. FILTER FABRIC: GEOTEXTILE FABRIC IN ACCORDANCE WITH SECTION 645.2.4 OF WISCONSIN STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION
13. EXCAVATE TO GRADES AS INDICATED ON PLANS.
14. CONSTRUCT TEMPORARY DIVERSION SWALES OR PROVIDE OTHER MEANS AS NECESSARY TO PREVENT CONSTRUCTION SITE RUNOFF FROM DISTURBED AREAS, AND RUNOFF FROM PERVIOUS AREAS WHICH HAVE NOT YET BEEN STABILIZED, FROM ENTERING THE BIORETENTION AREA.
15. CONSTRUCTION SHALL BE SUSPENDED DURING PERIODS OF RAINFALL OR SNOWMELT. CONSTRUCTION SHALL REMAIN SUSPENDED IF PONDED WATER IS PRESENT OR IF RESIDUAL SOIL MOISTURE CONTRIBUTES SIGNIFICANTLY TO THE POTENTIAL FOR SOIL SMEARING, CLUMPING OR OTHER FORMS OF COMPACTION.
16. COMPACTION AND SMEARING OF THE ENGINEERED SOIL AND TOP SOIL BENEATH THE FLOORS, IN THE SOIL PLANTING BED, AND THE SIDE SLOPES OF THE BASIN, AND COMPACTION OF THE ENGINEERED SOILS IN THE BASIN SHALL BE MINIMIZED. DURING SITE DEVELOPMENT, THE AREA DEDICATED TO THE BIOFILTRATION BASIN SHALL BE CORDONED OFF TO PREVENT ACCESS BY HEAVY EQUIPMENT. ACCEPTABLE EQUIPMENT FOR CONSTRUCTING THE BIOFILTRATION BASIN INCLUDES EXCAVATION HOES, LIGHT EQUIPMENT WITH TURF TYPE TIRES, MARSH EQUIPMENT OR WIDE-TRACK LOADERS.
17. IF COMPACTION OCCURS AT THE BASE OF THE BIOFILTRATION BASIN, THE SOIL SHALL BE REFRRACTURED TO A DEPTH OF AT LEAST 12 INCHES. IF SMEARING OCCURS, THE SMEARED AREAS OF THE INTERFACE SHALL BE CORRECTED BY RAKING OR ROTO-TILLING.
18. STEPS MAY BE TAKEN TO INDUCE MILD SETTLING OF THE ENGINEERED SOIL BED AS NEEDED TO PREPARE A STABLE PLANTING MEDIUM AND TO STABILIZE THE PONDING DEPTH. VIBRATING PLATE-STYLE COMPACTORS SHALL NOT BE UTILIZED.
19. ANY SEDIMENT ACCUMULATED IN THE BASIN DUE TO CONSTRUCTION ACTIVITIES SHOULD BE REMOVED AND THE ENGINEERED SOIL SHALL BE DEEP TILLED PRIOR TO PLANTING.
20. IMPERVIOUS LINER SHALL BE 45 MIL FIRESTONE EPDM (GSI PRODUCTS), OR 30 MIL PVC (GSI PRODUCTS), OR EQUAL.



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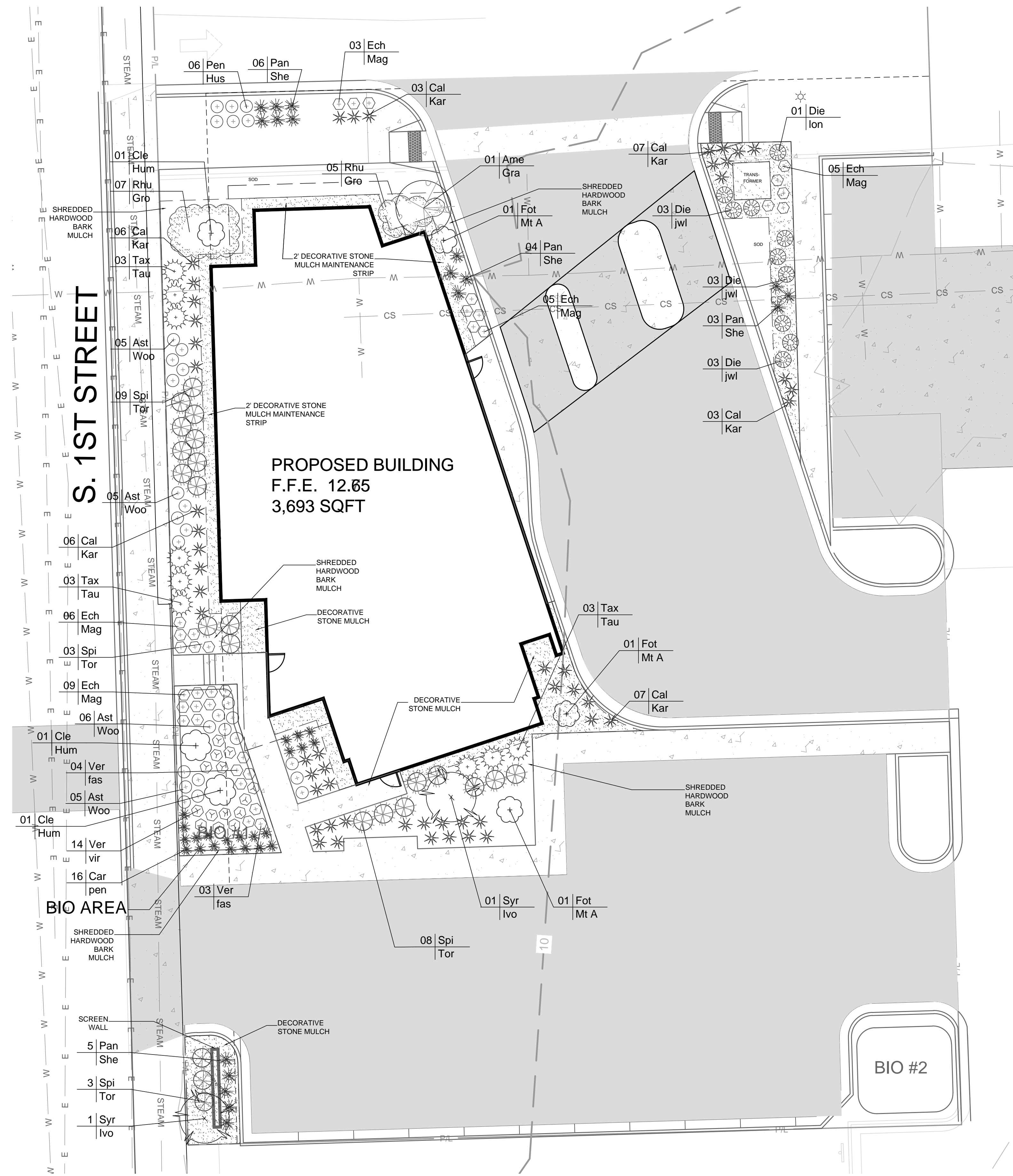
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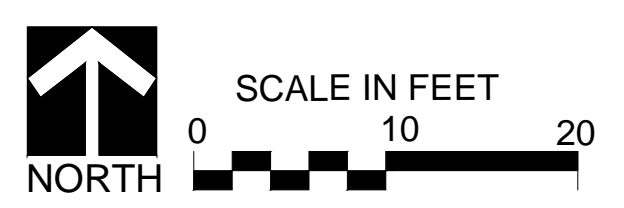
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1 SITE LANDSCAPE PLAN
L100 SCALE: 1" = 10'-0"



PLANT SCHEDULE

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	NOTES	AVERAGE MATURE SIZE
Deciduous Trees							
Ame / Aut	1	Amelanchier x grandiflora 'Autumn Brilliance'	Autumn Brilliance Serviceberry	1 1/2"-2"	BB		25' ht. x 25' spread
Syr / Ivo	2	Syringa reticulata var. 'Ivory Silk'	Ivory Silk Japanese Lilac Tree	2 1/2"-2"	BB		20' ht. x 15' spread
Evergreen Shrubs							
Tax / Tau	9	Taxus x media 'Tauntonii'	Taunton Yew	18" - 24"	Cont.		4' ht. x 8' spread
Deciduous Shrubs							
Fot / Mt A	3	Fothergilla major 'Mount Airy'	Mount Airy Fothergilla	30" - 36"	Cont.		6' ht. x 4' spread
Rhu / Gro	12	Rhus aromatica 'Gro-low'	Gro-low Sumac	2 gallon	Cont.		3' ht. x 7' spread
Spi / Tor	23	Spirea betulifolia 'Tor'	Tor Birchleaf Spirea	18" - 24"	Cont.		3' ht. x 3' spread
Cle / Hum	3	Clethra alnifolia 'Hummingbird'	Hummingbird Summersweet	36"	Cont.		4' ht. x 3' spread
Die / Jwl	10	Diervilla lonicera 'Jewel'	Jewel Dwarf Bush Honeysuckle	24"	Cont.		3' ht. x 3' spread
Perennials							
Ast / Woo	14	Aster dumosus 'Wood's Blue'	Wood's Blue Aster	1 gallon	Cont.		2' ht. x 2.5' spread, 2' flower ht., WI native
Ast / Pur	10	Aster novae-angliae 'Purple Dome'	Purple Dome New England Aster	1 gallon	Cont.		1.5' ht. x 2' spread, 2' flower ht.
Ech / Mag	28	Echinacea purpurea 'Magnus'	Magnus Purple Coneflower	1 gallon	Cont.		1' ht. x 2' spread, 2' flower ht.
Pen / Hus	6	Penstemon digitalis 'Husker's Red'	Beardlongue	1 gallon	Cont.		2' ht. x 2' spread
Ver / vir	14	Veronicastrum virginicum	Culver's Root	1 gallon	Cont.		2.5' ht. x 2.5' spread, 4.5' flower ht.
Ver / fas	7	Vernonia fasciculata	Iron weed	1 gallon	Cont.		3' ht. x 3' spread, 3.5' flower ht., WI native
Ornamental Grasses							
Cal / Kar	52	Calamagrostis acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	1 gallon	Cont.		2' ht. x 2'+ spread, 5.5' flower ht.
Pan / She	15	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	1 gallon	Cont.		4' ht. x 2.5' spread, 5' flower ht.
Car / pen	22	Carex pennsylvanica	Penn Sedge	1 gallon	Cont.		1' ht. x 2' spread, 1.5' flower ht.

NOTE

ALL DECORATIVE STONE MULCH BEDS AND MAINTENANCE STRIPS TO BE 2-3" DEPTH MEDIUM MISSISSIPPI STONE OVER BARRIER FABRIC WITH ALUMINUM METAL EDGE BETWEEN ADJOINING MULCH BEDS.

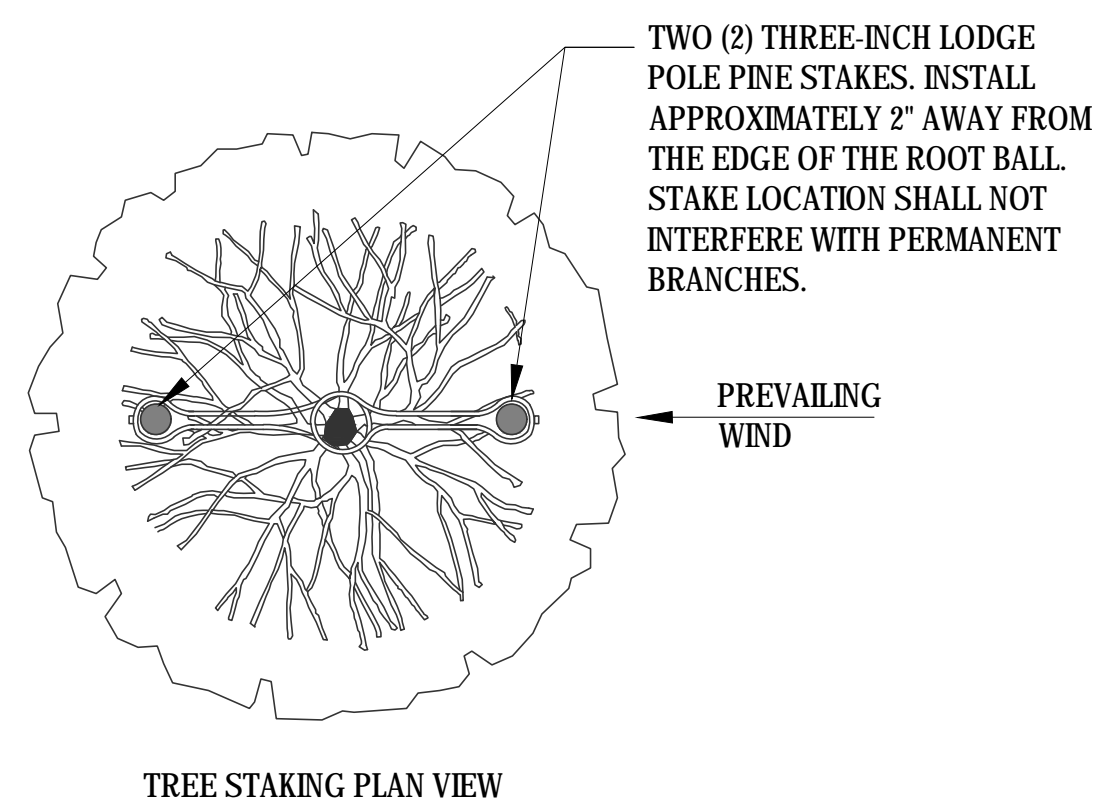
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LANDSCAPE PLAN

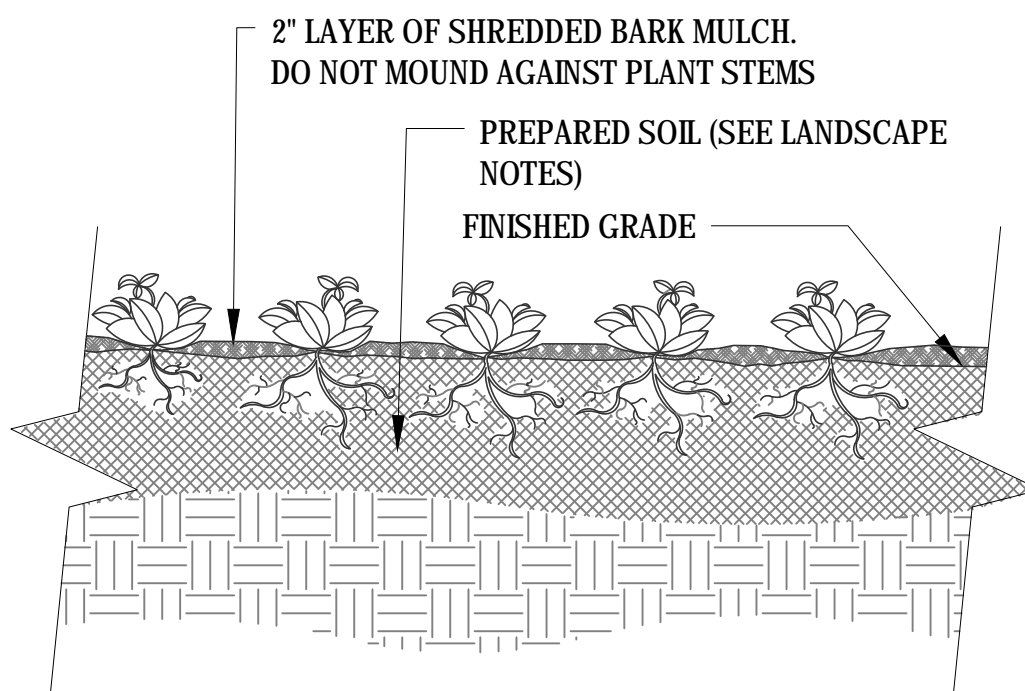
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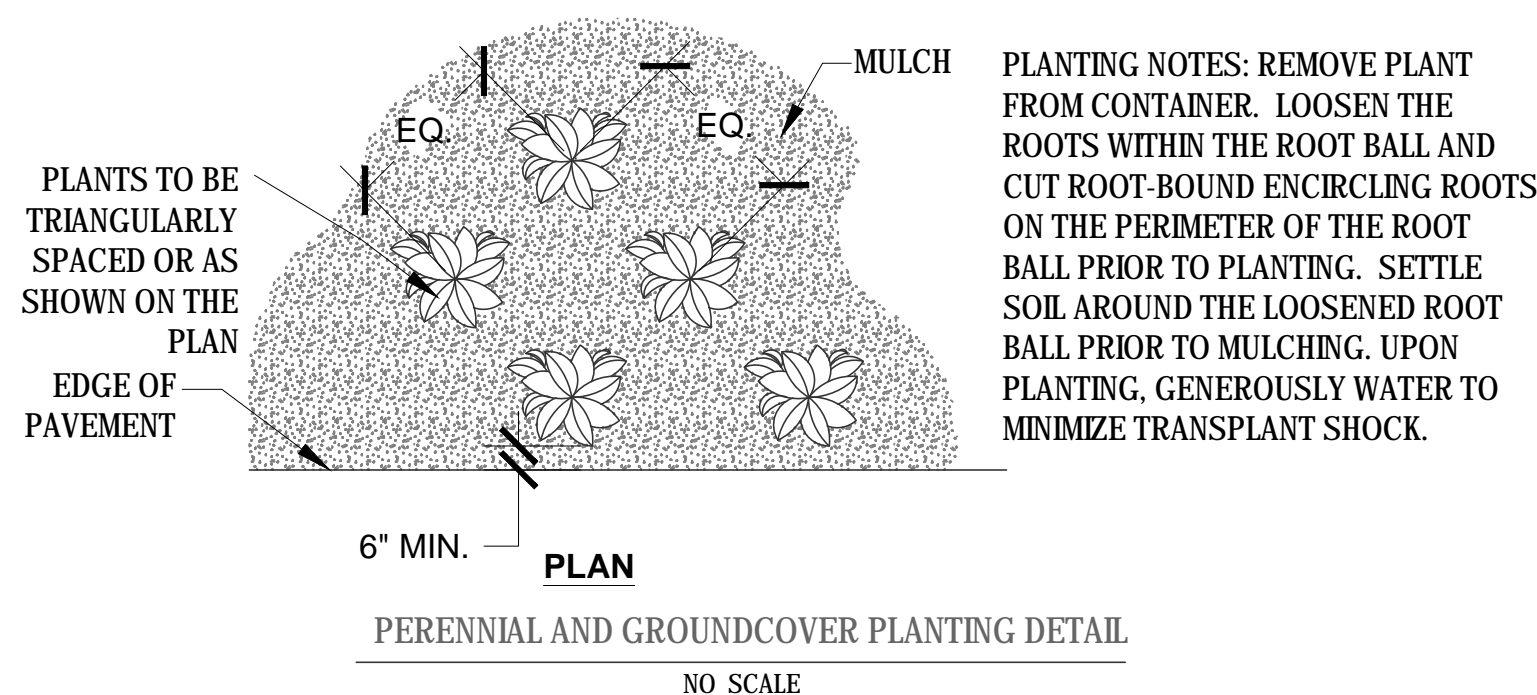
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TREE STAKING PLAN VIEW



SECTION VIEW



PLAN TAKES PRECEDENCE OVER PLANT SCHEDULE IF DISCREPANCIES IN QUANTITIES EXIST. SPECIFICATIONS AND DETAILS TAKE PRECEDENCE OVER NOTES.

PLANT MATERIALS TO BE INSTALLED PER PLANTING DETAILS.

PROPOSED PLANT MATERIAL SHALL BE LOCATED AND STAKED AS SHOWN ON PLAN. LANDSCAPE ARCHITECT MUST APPROVE STAKING OF PLANT MATERIAL PRIOR TO DIGGING.

NO PLANT MATERIAL SUBSTITUTIONS WILL BE ACCEPTED UNLESS APPROVAL IS REQUESTED OF THE LANDSCAPE ARCHITECT BY THE LANDSCAPE CONTRACTOR PRIOR TO THE SUBMISSION OF BID AND/OR QUOTATION.

ADJUSTMENTS IN LOCATION OF PROPOSED PLANT MATERIALS MAY BE NEEDED IN FIELD. LANDSCAPE ARCHITECT MUST BE NOTIFIED PRIOR TO THE ADJUSTMENT OF PLANTS.

CONTRACTOR SHALL VERIFY PLANT QUANTITIES SHOWN ON THE PLAN AND PROVIDE A LIST TO THE CLIENT IDENTIFYING THE SPECIES AND SIZES TO BE USED THROUGHOUT THE PROJECT. THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY SUBSTANDARD PLANTING MATERIAL. REJECTED MATERIALS SHALL BE REMOVED FROM THE PROJECT SITE IMMEDIATELY.

ALL GRASS AREAS AND TREE AND SHRUB PLANTING BEDS SHALL RECEIVE A BLENDED TOPSOIL MIX TO A DEPTH OF SIX (6) INCHES. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS FOR A MINIMUM OF TEN (10) FEET.

SOIL PREPARATION FOR PERENNIAL AND GROUNDCOVER PLANTING BEDS SHALL BE AS FOLLOWS:

- REMOVE ALL ROOTS, LUMPS, STONES, SOD AND OTHER EXTRANEOUS MATERIALS HARMFUL OR TOXIC TO PLANT GROWTH.
- PERENNIAL AND GROUNDCOVER PLANTING BEDS SHALL RECEIVE A TWELVE (12) INCH MIXTURE CONSISTING OF NINE (9) INCH BLENDED TOPSOIL, THREE (3) INCH PURPLE COW CLASSIC COMPOST (PURPLE COW ORGANICS, LLC (608) 831-0349 OR APPROVED EQUAL. ADD 1/2 LB OF 5-10-5 GARDEN FERTILIZER PER 100 SQUARE FEET AND ROTO-TIL AMENDMENTS INTO THE PLANTING SOIL. AVOID DAMAGE TO EXISTING TREE ROOTS WHERE APPLICABLE BY LIGHTLY WORKING AMENDMENTS INTO THE SOIL WITH A PITCH FORK.
- MIX AMENDED PLANTING SOIL, EITHER PRIOR TO PLANTING APPLY ON SURFACE OF PLANTING BED AND MIX THOROUGHLY BEFORE PLANTING.
- GRADE, RAKE, AND ROLL PLANTING BED WITH ROLLER WEIGHING NOT LESS THAN 25 LBS OR MORE THAN 100 LBS PER LINEAL FOOT SO AS TO LEAVE IN CONDITION TO PLANT.
- GRADE PLANTING BEDS TO A TWELVE (12) INCH CROWN AT CENTER.

PLANT MATERIAL (EXCEPT PERENNIAL AND GROUNDCOVER - SEE PREVIOUS NOTE) SHALL BE FERTILIZED UPON INSTALLATION WITH DRIED BONE MEAL, OTHER APPROVED FERTILIZER MIXED IN WITH THE PLANTING SOIL PER THE MANUFACTURER'S INSTRUCTIONS OR MAY BE TREATED FOR SUMMER AND FALL INSTALLATION WITH AN APPLICATION OF GRANULAR 0-20-20 OF 12 OZ. PER 2.5" CALIPER TREE AND 6 OZ. PER SHRUB WITH AN ADDITIONAL APPLICATION OF 10-10-10 THE FOLLOWING SPRING IN THE TREE SAUCER.

PLANT INSTALLATION NOTES:

LANDSCAPE CONTRACTOR SHALL COORDINATE THE PHASES OF CONSTRUCTION AND PLANTING INSTALLATION WITH OTHER CONTRACTORS WORKING ON THE SITE.

ALL WRITTEN DIMENSIONS SUPERSEDE SCALED DIMENSIONS.

THE CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES AND ADDITIONAL INFORMATION PRIOR TO COMMENCEMENT OF SITE CONSTRUCTION.

ROUGH GRADING AND DRAINAGE CONSTRUCTION IS TO BE COMPLETED PRIOR TO LANDSCAPE CONTRACTOR'S WORK. VERIFY ALL EXISTING SITE AND GRADING CONDITIONS PRIOR TO CONSTRUCTION.

ALL AREAS DISTURBED BY GRADING OR SITE CONSTRUCTION SHALL BE FINE GRADED, PLANTED, AND SODDED. NO PLANTS WILL BE INSTALLED UNTIL FINAL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.

LANDSCAPE CONTRACTOR SHALL REVIEW THE SITE FOR DEFICIENCIES IN THE PLANT MATERIAL SELECTIONS AND OTHER SITE CONDITIONS WHICH MIGHT NEGATIVELY AFFECT PLANT ESTABLISHMENT, SURVIVAL OR WARRANTY. UNDESIRABLE PLANT MATERIAL SELECTIONS OR SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING OF WORK.

ALL MIXED PLANTING BEDS WITH PERENNIALS, GROUNDCOVER, SHRUBS, AND TREES SHALL RECEIVE A TWO (2) INCH TO (3) THREE INCH LAYER OF SHREDDED HARDWOOD MULCH WITH NO WEED BARRIER. ALL PLANTING BEDS WITH PERENNIALS AND OR GROUNDCOVER ONLY SHALL RECEIVE A TWO (2) INCH LAYER OF SHREDDED HARDWOOD MULCH WITH NO WEED BARRIER. ALL SHRUBS AND TREES PLANTED SINGLY OR TOGETHER IN BEDS SHALL RECEIVE A THREE (3) INCH LAYER OF SHREDDED HARDWOOD MULCH WITH NO WEED BARRIER. DO NOT ALLOW MULCH TO TOUCH STEMS OR TRUNKS OF PERENNIALS, SHRUBS, OR TREES. UNLESS OTHERWISE NOTED, NO LANDSCAPE FABRIC OR WEED BARRIER IS TO BE INSTALLED OVER PLANT BEDS.

UNLESS OTHERWISE SHOWN, ALL PERENNIALS AND SHRUBS TO BE PLANTED IN A TRIANGULAR ARRANGEMENT. FOR PLANTS NOT SHOWN INDIVIDUALLY, REFER TO SPACING SHOWN IN THE PLANT SCHEDULE AND DETAILS.

LANDSCAPE CONTRACTOR SHALL WARRANTY NEW PLANT MATERIAL THROUGH ONE CALENDAR YEAR FROM THE DATE OF THE OWNER ACCEPTANCE. NO PARTIAL ACCEPTANCE WILL BE CONSIDERED.

UNLESS NOTED OTHERWISE, THE APPROPRIATE DATES FOR SPRING PLANT MATERIAL INSTALLATION AND SEED/SOD PLACEMENT IS FROM THE TIME THE GROUND HAS THAWED TO JUNE 15.

FALL SODDING IS GENERALLY ACCEPTABLE FROM AUGUST 15 TO NOVEMBER 1. FALL SEEDING IS GENERALLY ACCEPTABLE FROM AUGUST 15 TO SEPTEMBER 15. ADJUSTMENTS TO SOD/SEED PLANTING DATES MUST BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.

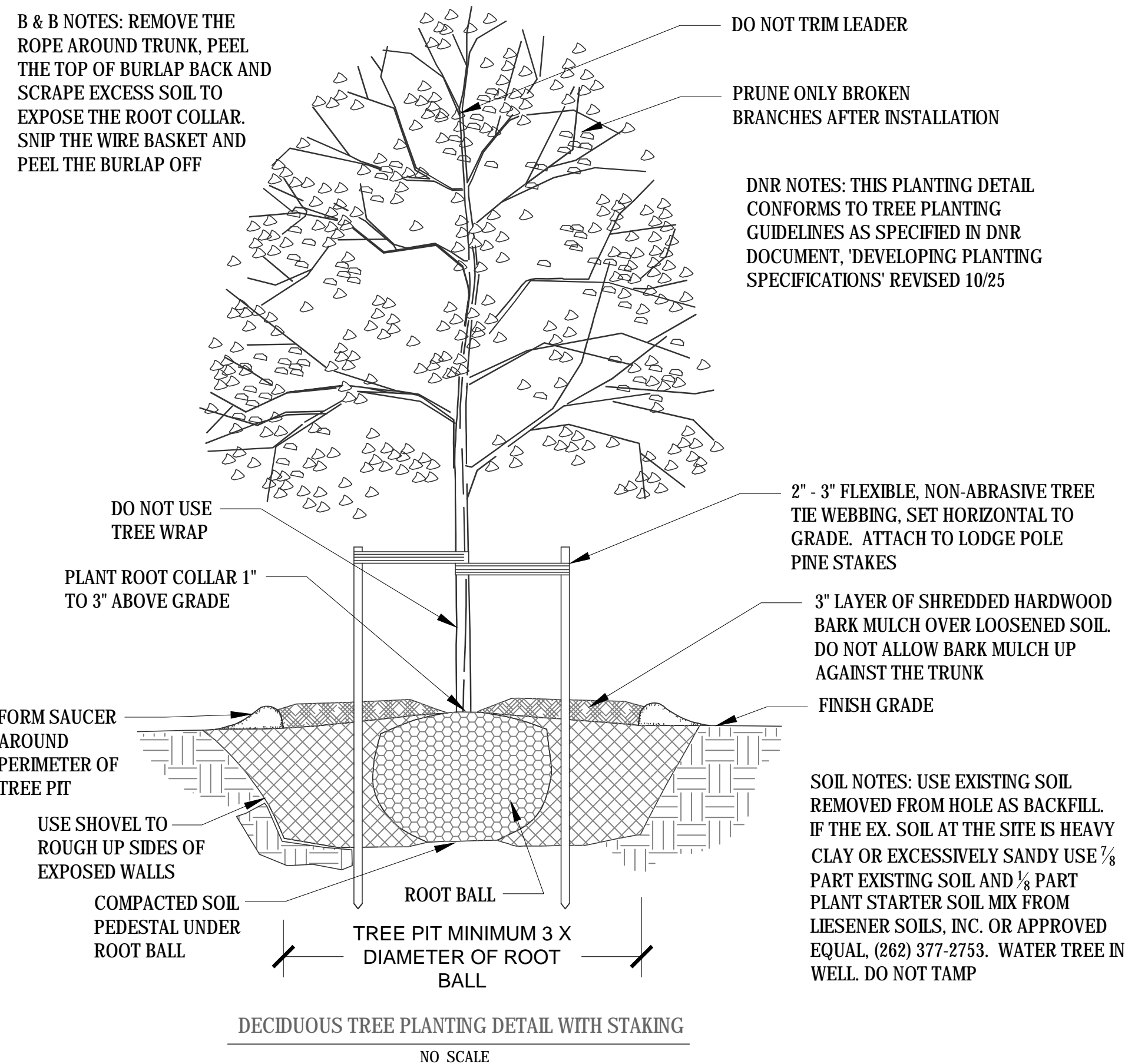
CONIFEROUS PLANTING IS GENERALLY ACCEPTABLE FROM AUGUST 15 TO OCTOBER 1. FALL DECIDUOUS PLANTING IS GENERALLY ACCEPTABLE FROM THE FIRST FROST UNTIL NOVEMBER 15. ADJUSTMENTS TO PLANTING DATES MUST BE APPROVED IN WRITING BY THE LANDSCAPE ARCHITECT.

MAINTENANCE BORDERS, WHERE ILLUSTRATED, TO HAVE EDGER AND STONE MULCH AS INDICATED ON DRAWINGS OR IN SPECIFICATIONS.

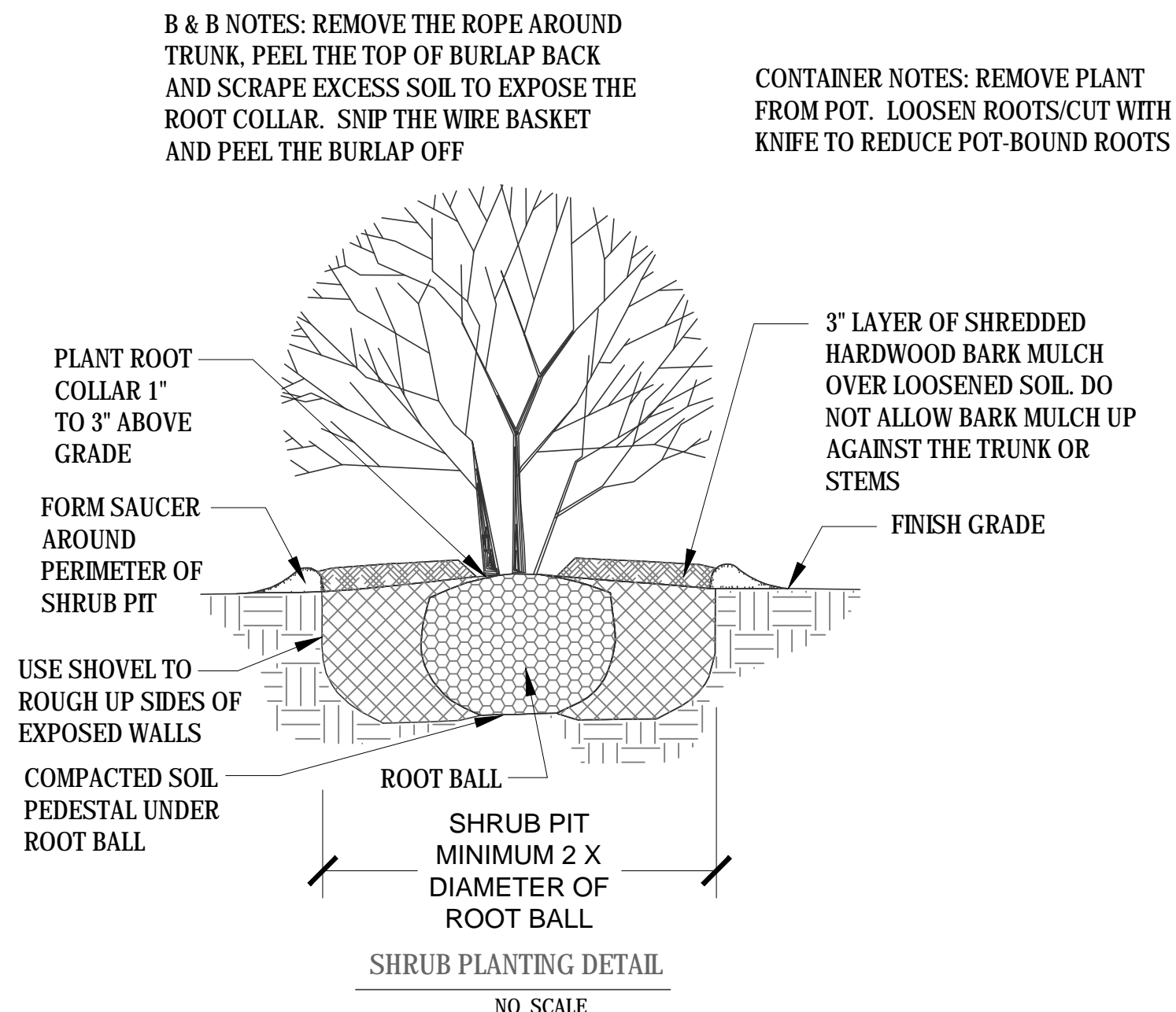
MAINTENANCE BORDER - INSTALL A TWO (2) FEET WIDE MAINTENANCE BORDER BETWEEN THE FOUNDATION OF THE BUILDING AND TURF GRASS AREAS AS SHOWN ON THE PLAN. BORDER TO CONSIST OF 2.5 INCH LAYER OF MEDIUM MISSISSIPPI STONE OVER LANDSCAPE FABRIC AND EDGED WITH COMMERCIAL GRADE, PERMALOC 3/8" X 4" ALUMINUM BED EDGING IN MILL FINISH, OR APPROVED EQUAL. INSTALL EDGING PER SUPPLIER'S SPECIFICATIONS.

PLANT BED EDGING - INSTALL COMMERCIAL GRADE, PERMALOC 3/8" X 4" ALUMINUM BED EDGING IN MILL FINISH, OR APPROVED EQUAL. TO BE INSTALLED PER SUPPLIER'S SPECIFICATIONS.

UNLESS NOTED OTHERWISE, DO NOT STAKE DECIDUOUS TREES LESS THAN OR EQUAL TO 2.5 INCHES CALIPER DIAMETER AT BREAST HEIGHT (DBH) AND EVERGREEN TREES LESS THAN OR EQUAL TO 6 FEET IN HEIGHT. LARGER SIZED TREES SHALL BE STAKED PER PLANTING DETAILS UNLESS OTHERWISE NOTED ON THE PLAN.



DECIDUOUS TREE PLANTING DETAIL WITH STAKING



SHRUB PLANTING DETAIL

PRELIMINARY
NOT FOR CONSTRUCTION

NO. REVISION DATE BY

DRAWING NO.

DRAWN BY: NE/ MR

DATE: 01-04-2018

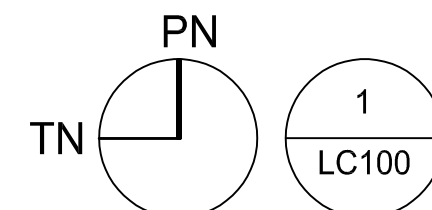
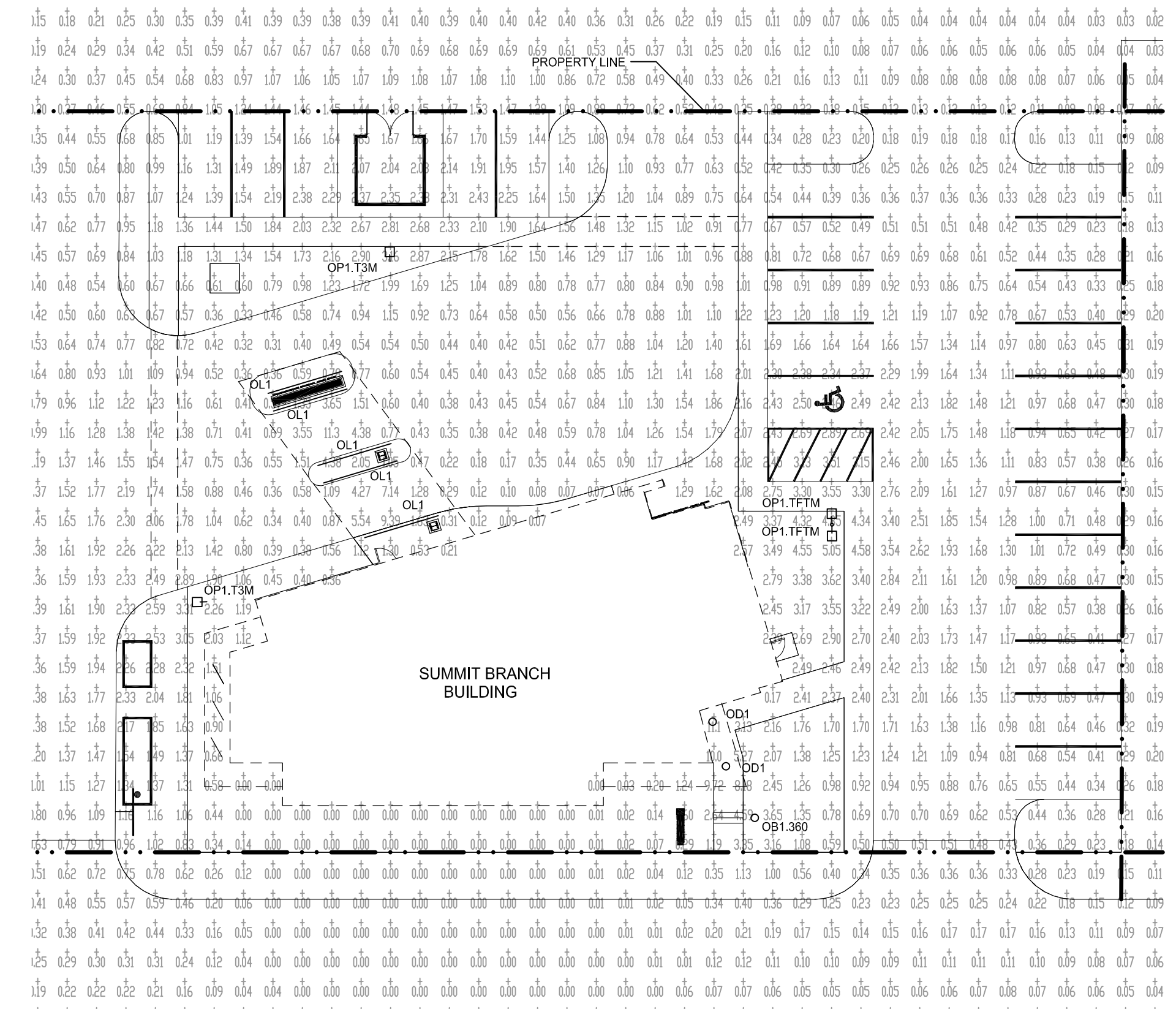
PROJECT NO:

CHECKED BY:

APPROVED BY:

SHEET NO.:

LUMINAIRE SCHEDULE		
SYMBOL	LABEL	DESCRIPTION
○	OB1.360	360 DEGREE DISTRIBUTION BOLLARD, 4000K
□	OP1.T3M	LED SITE LIGHT ON 18 FT POLE WITH A 6 INCH TALL CONCRETE BASE, 4000K
□	OP1.TFTM	LED SITE LIGHT ON 18 FT POLE WITH A 6 INCH TALL CONCRETE BASE, 4000K
—	OL1	LINEAR AIMABLE UP-LIGHT MOUNTED IN STRUCTURE OF CANOPY, 4000K
○	OD1	EXTERIOR DOWNLIGHT, 4000K



EXTERIOR LIGHTING CALCULATIONS

SCALE 1" = 20'-0"

SCHEMATIC DESIGN SET | NOT FOR CONSTRUCTION |

NO.	REVISIONS DESCRIPTION	DATE



SCHEMATIC DESIGN SET | NOT FOR CONSTRUCTION |

PROJECT TITLE	SUMMIT BRANCH - FIFTH WARD
PROJECT NO.	2018132
DATE:	01-10-2019
DRAWING SET	PLAN REVIEW

SCHEMATIC DESIGN SET | NOT FOR CONSTRUCTION |

SHEET NAME		EXTERIOR LIGHTING CALCULATIONS
PROJECT NO.	2018132	COPYRIGHT STRANG, INC. 2019
DATE:	01-10-2019	SHEET NO.
DRAWING SET	PLAN REVIEW	LC100

LED Bollards with rotationally symmetrical distribution

Post construction: One piece extruded aluminum, with a one piece aluminum top housing and base, internally welded into an assembly. Die castings are marine grade, copper free ($\leq 0.3\%$ copper content) A360.0 aluminum alloy.

Enclosure: Heavy walled, die-cast aluminum cap. Clear $\frac{3}{16}$ " thick borosilicate glass with pure anodized aluminum cone reflector. Fully gasketed using high temperature silicone rubber O-ring gaskets.

Electrical: 14.4W LED luminaire, 20 total system watts, -20°C start temperature. Integral 120V through 277V electronic LED driver, 0-10V, TRIAC, and ELV dimmable. LED module(s) are available from factory for easy replacement.

Standard LED color temperature is 3000K with a >80 CRI. Available in

4000K (>80 CRI); add suffix K4 to order.

Note: Due to the dynamic nature of LED technology, LED luminaire data on this sheet is subject to change at the discretion of BEGA-US. For the most current technical data, please refer to www.bega-us.com.

Anchor base: Heavy cast aluminum, slotted for precise alignment. Mounts to BEGA 79817 anchorage kit (supplied).

Finish: All BEGA standard finishes are polyester powder coat with minimum 3 mil thickness. Available in four standard BEGA colors: Black (BLK); White (WHT); Bronze (BRZ); Silver (SLV). To specify, add appropriate suffix to catalog number. Custom colors supplied on special order.

UL listed for US and Canadian Standards, suitable for wet locations. Protection class IP65.

Luminaire Lumens: 746



	Lamp	A	B	Anchorage
99 570	14.4W LED	6 1/2	39 3/8	79 817



Type:
 BEGA Product:
 Project:
 Voltage:
 Color:
 Options:
 Modified:

1000 BEGA Way, Carpinteria, CA 93013 (805) 684-0533 FAX (805) 566-9474 www.bega-us.com
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SUMMIT CREDIT UNION
 FIFTH WARD

TYPE: OB1.360



Gotham Architectural Downlighting
LED Downlights

2" Incito®
Adjustable, Lensed

Solid-State Lighting
(US and International Patents Pending)



FEATURES

OPTICAL SYSTEM

- Superior 100% virgin silicone refractive optic enables maximum dimensional stability and optical transmission with no discoloration over life.
- Primary control of distribution occurs in refractive optic allowing for aesthetic versatility with trim color and finish.
- Eleven preset distribution patterns allow designers to achieve various objectives.
- 3-Step MacAdam Ellipse.
- Self-flanged semi-specular or matte-diffuse lower trim utilized in combination with a highly transmissive softening lens.
- Field interchangeable optics.
- Wipe-down precision acrylic lens controls aperture brightness and enables consistent visual texture.

MECHANICAL SYSTEM

- Matte black enclosure ensures seamless integration into architecture.
- Post-installation vertical tilt and horizontal rotation adjustment possible from above or below ceiling.
- Accommodates 1/2" to 5/8" thick ceilings only.
- Full horizontal panning up to 365 degrees.
- 0-40° vertical tilt.
- Hot aiming below ceiling with indicator.
- Install from below architecture standard.
- Several additional mounting options available including new construction mounting pan, Chicago plenum, and Type IC.

- Standard ambient operating temperature: 25 °C. High ambient option available.
- Accommodates a wide range of applications including multiple plenum cross sections and ceiling thicknesses. Consult page 2.
- Light engine and driver are accessible from above or below ceiling.
- Flangeless trim option includes proprietary Gotham mud ring enabling seamless integration into drywall applications. Mud ring ships separately.

ELECTRICAL SYSTEM

- Solid-state LED light engine available in 2700 K, 3000 K, 3500 K or 4000 K color temperatures. Standard CRI: 80 typical. High CRI option available.
- Rated system life of >60,000 hours at 70% output.
- 120V TRIAC or ELV dimming and 0-10V dimming standard.
- Luminaire accepts parallel and branch circuit control wiring.

LISTINGS

- Fixtures are UL listed to meet US and Canadian standards; wet location listed.

WARRANTY

- 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Note: Actual performance may differ as a result of end user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

ORDERING INFORMATION

EXAMPLE: ICO ADJL 35/10 2AR LSS 20D MVOLT UGZ

Series	Color temperature	Nominal lumen values ¹	Aperture/Trim color	Trim Style	Finish	Beam
ICO ADJL	27/ 2700 K	05 500 lumens	2AR Clear	(blank) Self-flanged FL Flangeless	LSS Semi-specular LD Matte diffuse	15D 15° beam angle
	30/ 3000 K	07 750 lumens	2PR Pewter			20D 20° beam angle
	35/ 3500 K	10 1000 lumens	2WTR Wheat			25D 25° beam angle
	40/ 4000 K	15² 1500 lumens	2GR Gold 2WR³ White 2BR³ Black			30D 30° beam angle 35D 35° beam angle 40D 40° beam angle 45D 45° beam angle 3515D Elliptical 35° x 15° beam angle 5020D Elliptical 50° x 20° beam angle 5060D Elliptical 50° x 60° beam angle 6070D Elliptical 60° x 70° beam angle

Voltage	Driver	Options
MVOLT⁴ 120 277	UGZ⁵ Universal dimming to 1% (0-10V, 120V TRIAC or ELV)	SF^{6,7} Single fuse TRW^{8,9} White painted flange TRBL^{9,10} Black painted flange CP¹¹ Chicago plenum NPP16D^{6,7} nLight® network power/relay pack with 0-10V dimming. NPP16DER^{6,7} nLight® network power/relay pack with 0-10V dimming. ER control fixtures on emergency circuit.
		CRI90 High CRI (90+) HAO² High ambient (40°C) ICAT² IC/Airtight housing construction NCH New construction housing

ACCESSORIES order as separate catalog numbers (shipped separately)

OPTC2¹²	Additional optics available for field installation	HS258	2-5/8" Hole saw
OPTC2 KIT	Kit including a field interchangeable optic for each of the 13 preset beam distribution patterns	HS234FL	2-3/4" Hole saw for flangeless trim option
		AW50	Allen wrench (.050") for adjusting tilt

DATE	PROJECT	FIRM	TYPE
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THE L50 INCLUDES PATENTED OPTICAL DESIGN THAT DELIVERS THE WIDEST RANGE OF BEAM ANGLE OPTIONS FOR PRECISE COVE, WALL GRAZING, WALL WASHING OR LINE OF LIGHT APPLICATIONS. EXCLUSIVE FLIP TO FLAT™ HINGE DESIGN PROVIDES FLEXIBILITY WHEN MANAGING SMALL COVE DETAILS. TROV OFFERS SMOOTH, FLICKER FREE DIMMING DOWN TO 0%.

FEATURES :

- DIM TO 0%, ELV REVERSE PHASE
- 24 BEAM ANGLES
- MULTI-VOLT
- FLIP TO FLAT™
- 6 CCT OPTIONS
- 80+ AND 90+ CRI OPTIONS
- IP54 INTERIOR AND IP66 EXTERIOR OPTIONS



MODEL/ SIZE	INTERIOR/ EXTERIOR	LENGTH	POWER	CCT	CRI	VOLTAGE	OPTICS
L50	I E	12" 48"	02 04 06 08 10 12	WHITE CCT 22 27 30 35 40 50	MONO COLOR GR**** BL AM RD***	80 90* Blank For Color	MULT (120-277V) GRAZING 9 x 9 9 x 17 9 x 29 9 x 59 15 x 15 15 x 23 15 x 35 15 x 65 COVE 120" Asym LINE OF LIGHT LOL WASHING 25 x 25 25 x 33 25 x 45 25 x 75 39 x 9 55 x 25 40 x 40 40 x 48 40 x 60 40 x 90 45 x 15 70 x 40 70 x 70

EXAMPLE: L50-I-48-10-27-90-MULT-15x65 *90 CRI not available in 2200K or 5000K **120 is only available with Exterior option. See L35 spec sheet for interior cove options. ***Red is not available in 12W or 10W. ****Green is not available in 12W.

PERFORMANCE	WATTS	OPTIC	LUMEN OUTPUT	EFFICACY
	2W	ASYM	110 lm/LF (361 lm/m)	55 lm/W
	4W	ASYM	302 lm/LF (1037 lm/m)	76 lm/W
	6W	ASYM	482 lm/LF (1614 lm/m)	80 lm/W
	8W	ASYM	675 lm/LF (2224 lm/m)	84 lm/W
	10W	ASYM	785 lm/LF (2644 lm/m)	79 lm/W
	12W	ASYM	923 lm/LF (2752 lm/m)	77 lm/W

ALL LUMEN DATA IS FROM 4000K 80CRI FIXTURES. PLEASE SEE PHOTOMETRY SPEC SHEET FOR ADDITIONAL LUMEN DATA.

COLOR RENDERING INDEX	80+, 90+				
COLOR CONSISTENCY	2-STEP MACADAM ELLIPSE				
LUMEN DEPRECIATION / RATED LIFE	WATTS	L70 @ 25C	L70 @ 50C	L90 @ 25C	L90 @ 50C
	2W-12W	>150,000	>70,000	>50,000	>25,000

* CALCULATIONS FOR LED FIXTURES ARE BASED ON MEASUREMENTS THAT COMPLY WITH IES LM-80 TESTING PROCEDURES AND IES TM-21 CALCULATOR

ELECTRICAL	POWER CONSUMPTION	2W*/LF (6.6W/M); 4W/LF (13.2W/M); 6W/LF (19.8W/M); 8W/LF (26.4W/M); 10W/LF (33W/M); 12W/FL (39.6W/M) * 3W/LF (9.9W/M) at 220V -277V																																																																	
	MAX FIXTURE RUN LENGTH	<table border="1"> <thead> <tr> <th></th> <th colspan="2">2W/LF</th> <th colspan="2">4W/LF</th> <th colspan="2">6W/LF</th> <th colspan="2">8W/LF</th> <th colspan="2">10W/LF</th> <th colspan="2">12W/LF</th> </tr> <tr> <th>Volts</th> <th>Max Run all 1'</th> <th>Max Run all 4'</th> <th>Max Run all 1'</th> <th>Max Run all 4'</th> <th>Max Run all 1'</th> <th>Max Run all 4'</th> <th>Max Run all 1'</th> <th>Max Run all 4'</th> <th>Max Run all 1'</th> <th>Max Run all 4'</th> <th>Max Run all 1'</th> <th>Max Run all 4'</th> </tr> </thead> <tbody> <tr> <td>120</td> <td>214</td> <td>214</td> <td>186</td> <td>186</td> <td>152</td> <td>152</td> <td>114</td> <td>114</td> <td>91</td> <td>91</td> <td>76</td> <td>76</td> </tr> <tr> <td>220</td> <td>374</td> <td>392</td> <td>340</td> <td>340</td> <td>277</td> <td>277</td> <td>209</td> <td>209</td> <td>95</td> <td>167</td> <td>95</td> <td>139</td> </tr> <tr> <td>277</td> <td>374</td> <td>494</td> <td>374</td> <td>428</td> <td>349</td> <td>349</td> <td>263</td> <td>263</td> <td>95</td> <td>190</td> <td>95</td> <td>175</td> </tr> </tbody> </table>		2W/LF		4W/LF		6W/LF		8W/LF		10W/LF		12W/LF		Volts	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	Max Run all 1'	Max Run all 4'	120	214	214	186	186	152	152	114	114	91	91	76	76	220	374	392	340	340	277	277	209	209	95	167	95	139	277	374	494	374	428	349	349	263	263	95	190	95	175
	2W/LF		4W/LF		6W/LF		8W/LF		10W/LF		12W/LF																																																								
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220	374	392	340	340	277	277	209	209	95	167	95	139																																																							
277	374	494	374	428	349	349	263	263	95	190	95	175																																																							
	POWER FACTOR	4W, 6W, 8W, 10W, 12W >0.9, 2W<0.9																																																																	
	OPERATING VOLTAGE DRIVER	MULTIVOLT: 110-277VAC, 50/60 Hz																																																																	
	STARTUP TEMPERATURE	INTEGRAL TO FIXTURE; DE-RATED POWER AND SYNCHRONOUS START-UP AT FULL BRIGHTNESS																																																																	
	OPERATING TEMPERATURE	-40°F TO 122°F (-40°C TO 50°C)																																																																	
	STORAGE TEMPERATURE	-40°F TO 176°F (-40°C TO 80°C)																																																																	

ECOSENSE LIGHTING INC.
837 NORTH SPRING STREET
SUITE 103
LOS ANGELES, CA 90012

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F • 310.496.6256
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855.6.ECOSEN

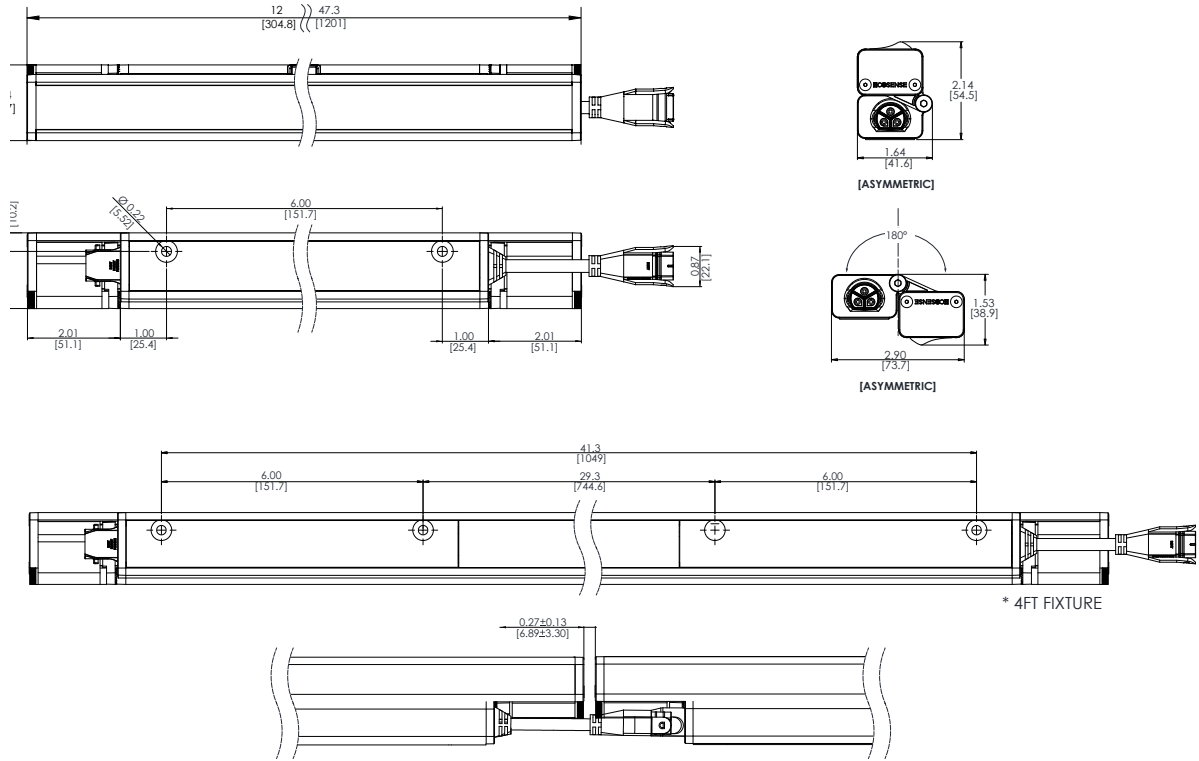
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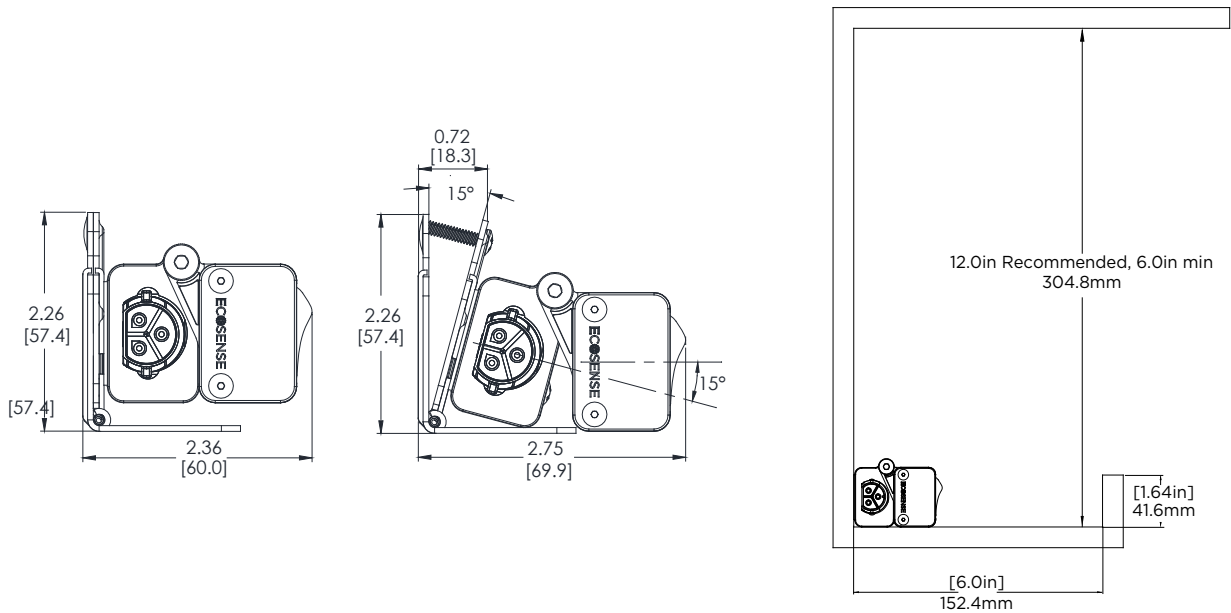
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20171120

DATE	PROJECT	FIRM	TYPE
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Fine Adjustable L-Bracket:



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3/3

20171120



D-Series Size 0 LED Area Luminaire



Catalog Number
Notes
Type

Hit the Tab key or mouse over the page to see all interactive elements.

A+ Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

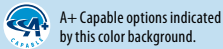
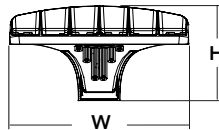
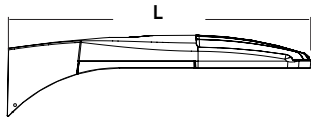
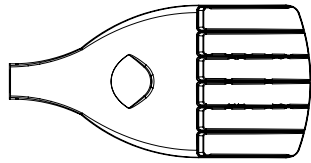
- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL® controls marked by a **shaded background**. DTL DLL equipped luminaires meet the A+ specification for luminaire to photocontrol interoperability¹
- This luminaire is part of an A+ Certified solution for ROAM® or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a **shaded background**¹

To learn more about A+, visit www.acuitybrands.com/aplus.

- See ordering tree for details.
- A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately: [Link to Roam](#); [Link to DTL DLL](#)

Specifications

EPA:	0.95 ft ² (.09 m ²)
Length:	26" (66.0 cm)
Width:	13" (33.0 cm)
Height:	7" (17.8 cm)
Weight (max):	16 lbs (7.25 kg)



Ordering Information

EXAMPLE: DSX0 LED P6 40K T3M MVOLT SPA DDBXD

Series	LEDs	Color temperature	Distribution	Voltage	Mounting	
DSX0 LED	Forward optics P1 P4 P7 P2 P5 P3 P6 Rotated optics P10 ¹ P12 ¹ P11 ¹ P13 ¹	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted ²	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short	T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control ^{2,3} LCCO Left corner cutoff ^{2,3} RCCO Right corner cutoff ^{2,3}	MVOLT ^{4,5} 120⁶ 208 ^{5,6} 240 ^{5,6} 277 ⁶ 347 ^{5,6,7} 480 ^{5,6,7}	Shipped included SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor ⁸ RPUMBA Round pole universal mounting adaptor ⁸ Shipped separately KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) ⁹

Control options	Other options	Finish (required)
Shipped installed NLTAIR2 nLight AIR generation 2 enabled ¹⁰ PER NEMA twist-lock receptacle only (control ordered separate) ¹¹ PER5 Five-wire receptacle only (control ordered separate) ^{11,12} PER7 Seven-wire receptacle only (control ordered separate) ^{11,12} DMG 0-10V dimming extend out back of housing for external control (control ordered separate) PIR Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc ^{5,13,14} PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc ^{5,13,14} PIRHN Network, Bi-Level motion/ambient sensor ¹⁵ PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc ^{5,13,14}	PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc ^{5,13,14} BL30 Bi-level switched dimming, 30% ^{5,16,17} BL50 Bi-level switched dimming, 50% ^{5,16,17} PNMTDD3 Part night, dim till dawn ^{5,18} PNMTSD3 Part night, dim 5 hrs ^{5,18} PNMT6D3 Part night, dim 6 hrs ^{5,18} PNMT7D3 Part night, dim 7 hrs ^{5,18} FAO Field adjustable output ¹⁹	Shipped installed HS House-side shield ²⁰ SF Single fuse (120, 277, 347V) ⁶ DF Double fuse (208, 240, 480V) ⁶ L90 Left rotated optics ¹ R90 Right rotated optics ¹ DDL Diffused drop lens ²⁰ Shipped separately BS Bird spikes ²¹ EGS External glare shield ²¹
		DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DBLTXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white

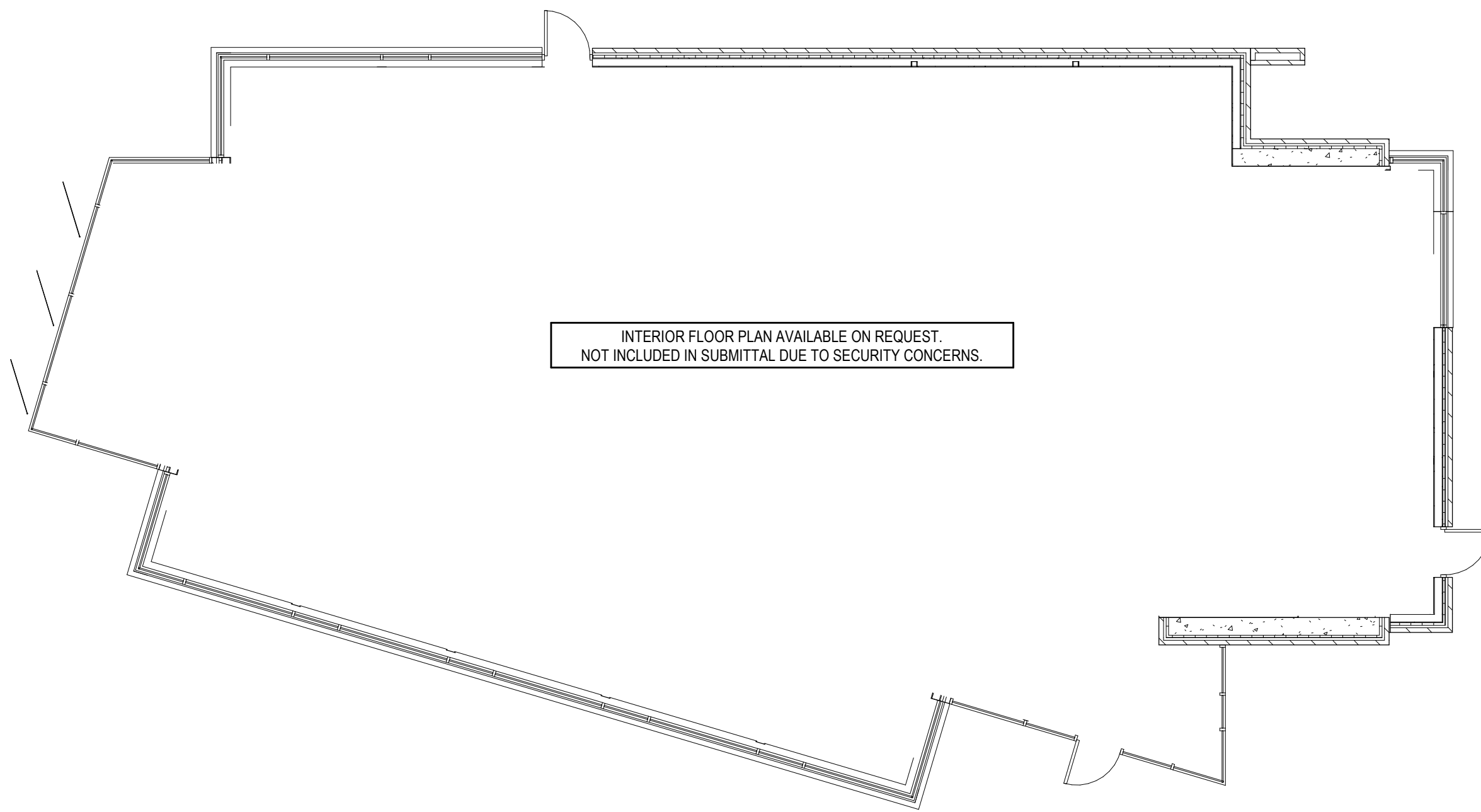


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DSX0-LED
 Rev. 03/21/18
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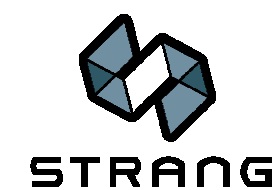
SUMMIT CREDIT UNION
 FIFTH WARD

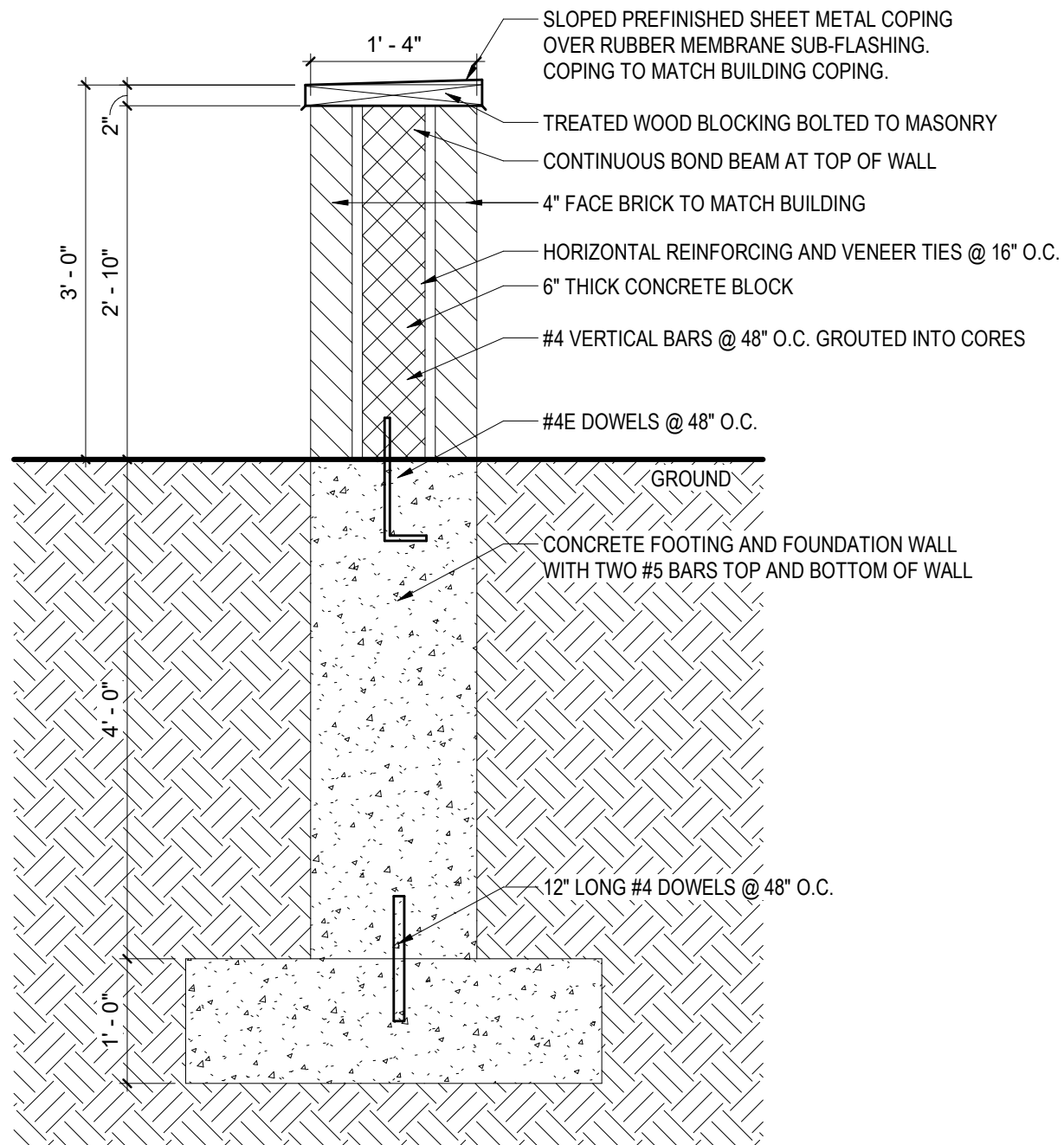
TYPE: OP1
 18' POLE



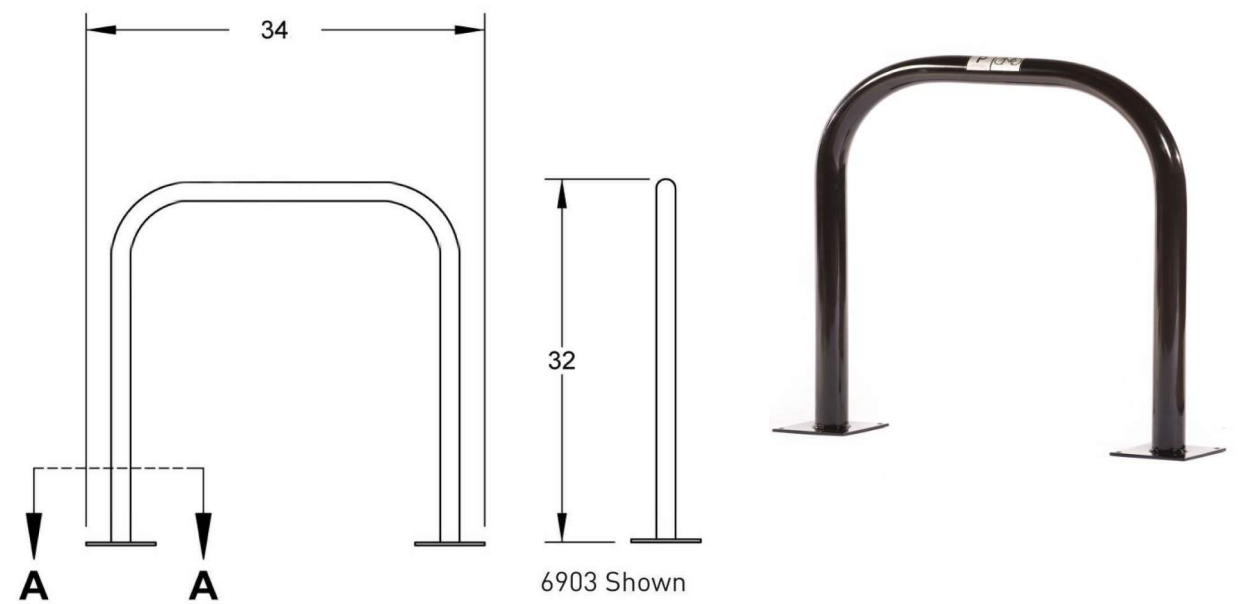
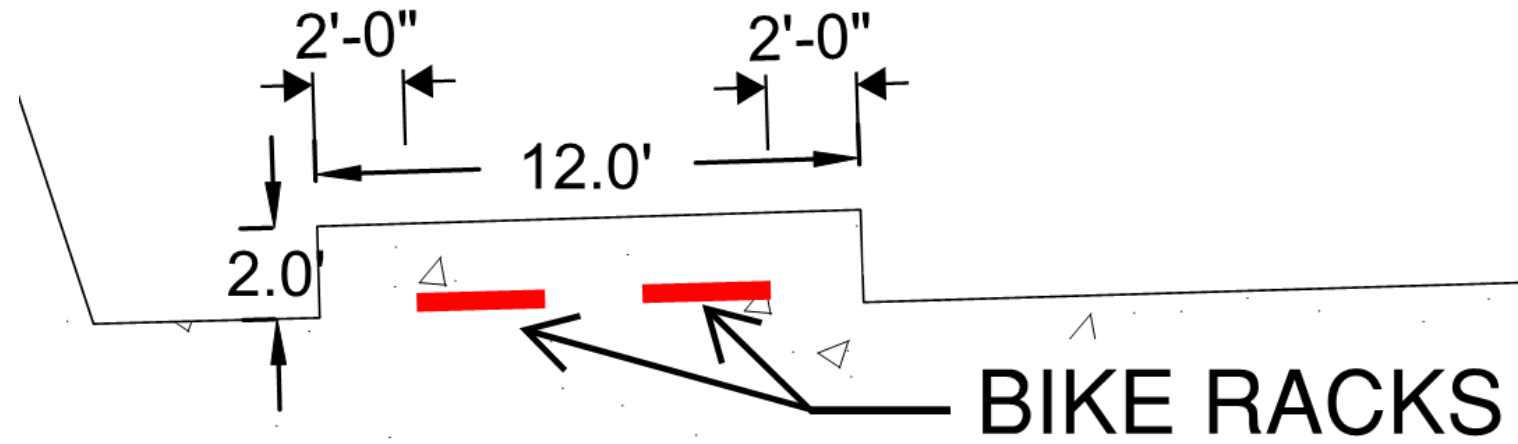
INTERIOR FLOOR PLAN AVAILABLE ON REQUEST.
NOT INCLUDED IN SUBMITTAL DUE TO SECURITY CONCERNS.

PN  1 **FIRST FLOOR PLAN**
PA209 SCALE: 1/8" = 1'-0"






1 **Screen Wall Section**
A1 SCALE: 3/4" = 1'-0"

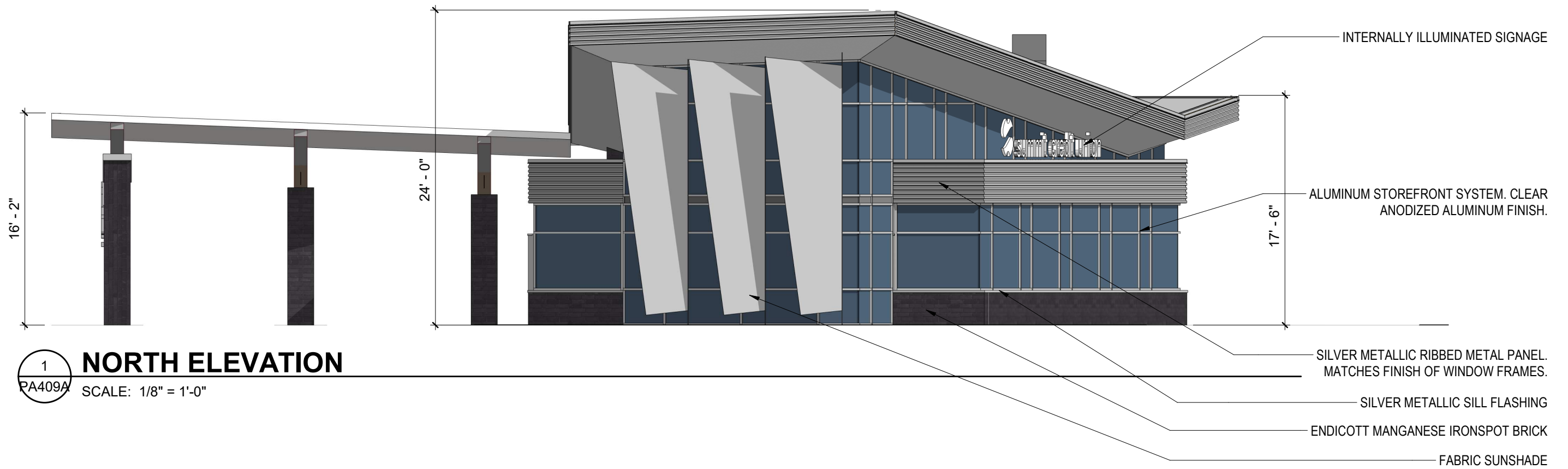


SARIS PARKING - BIKE DOCK
FINISH: BLACK POWDER COAT

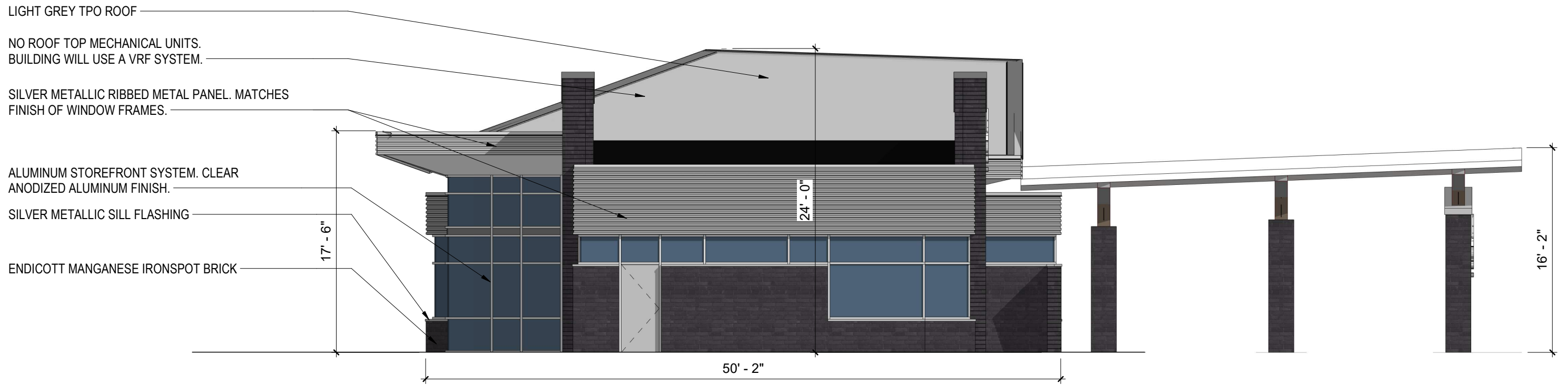
 STRANG SCU 5th Ward	Screen wall Details		DO NOT USE FOR CONSTRUCTION	
	PROJECT NO.	2018132		A1
	DATE			
	SCALE	3/4" = 1'-0"		

BICYCLE PARKING

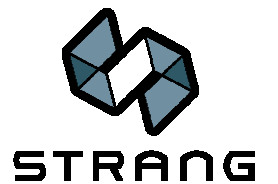


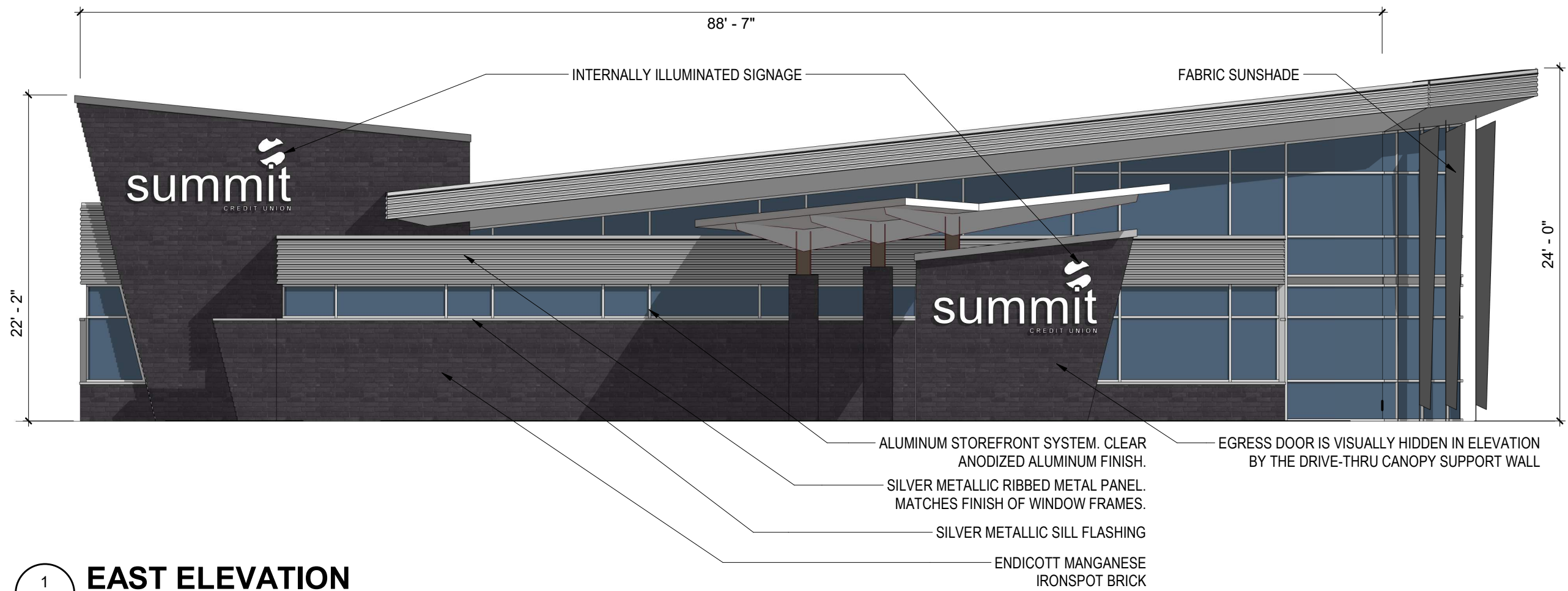


1 NORTH ELEVATION
 PA409A SCALE: 1/8" = 1'-0"

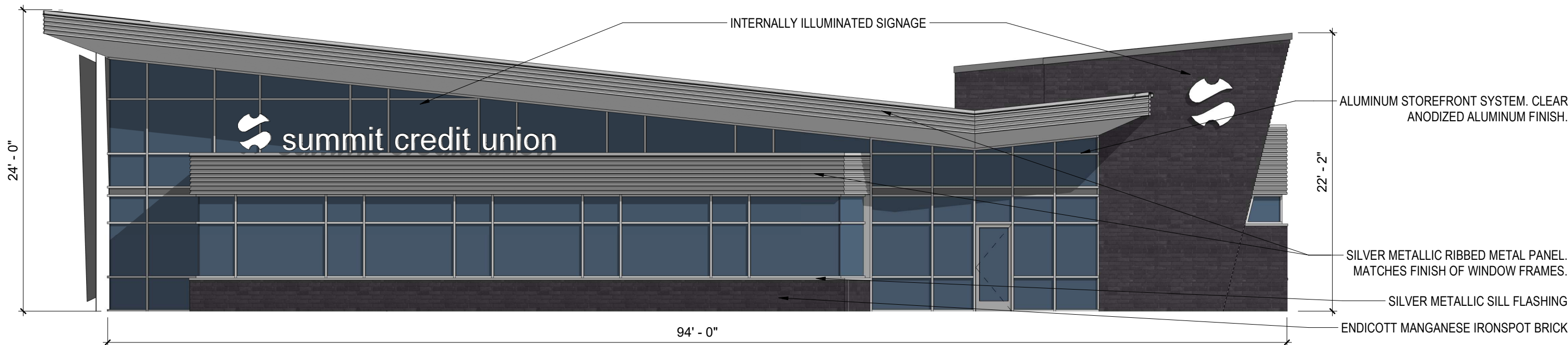


2 SOUTH ELEVATION
 PA409A SCALE: 1/8" = 1'-0"

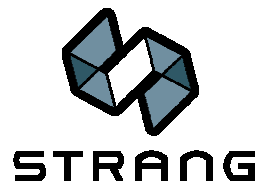




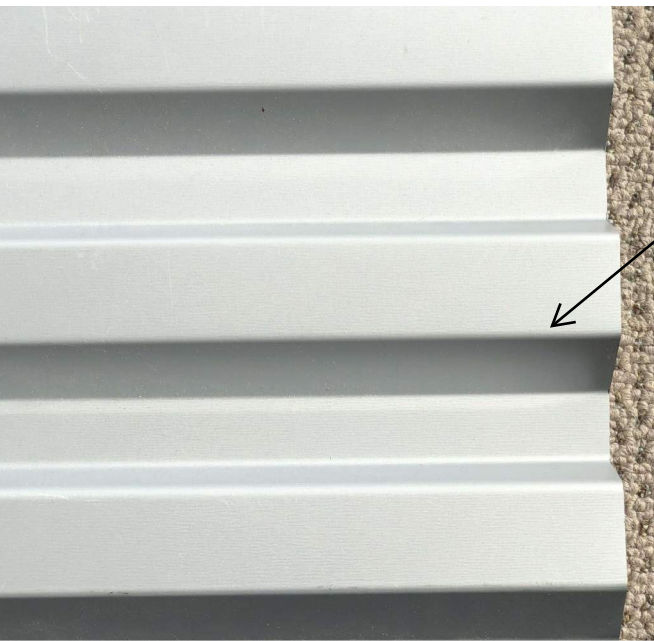
1 **EAST ELEVATION**
 PA409B SCALE: 1/8" = 1'-0"



2 **WEST ELEVATION**
 PA409B SCALE: 1/8" = 1'-0"



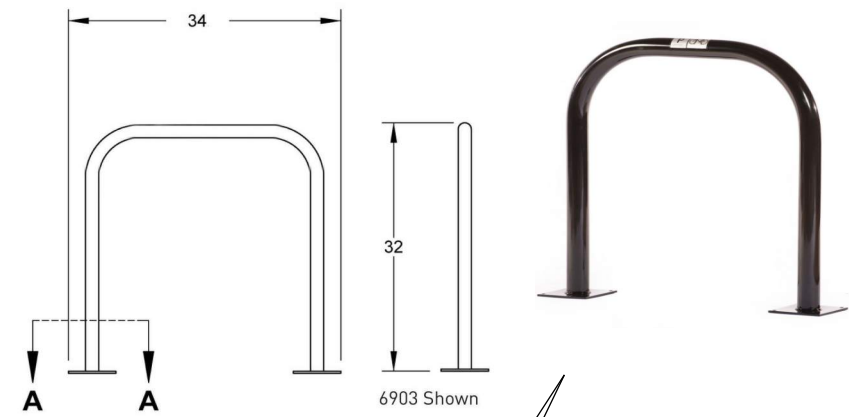
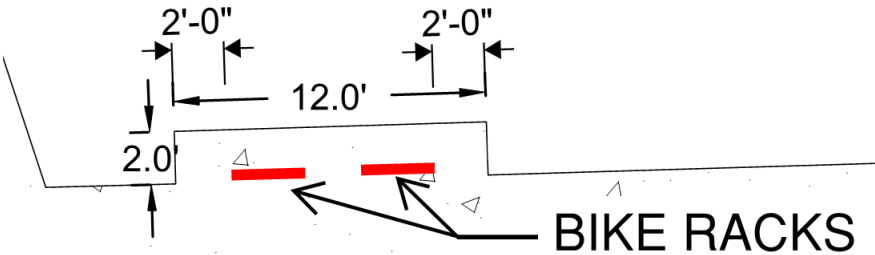
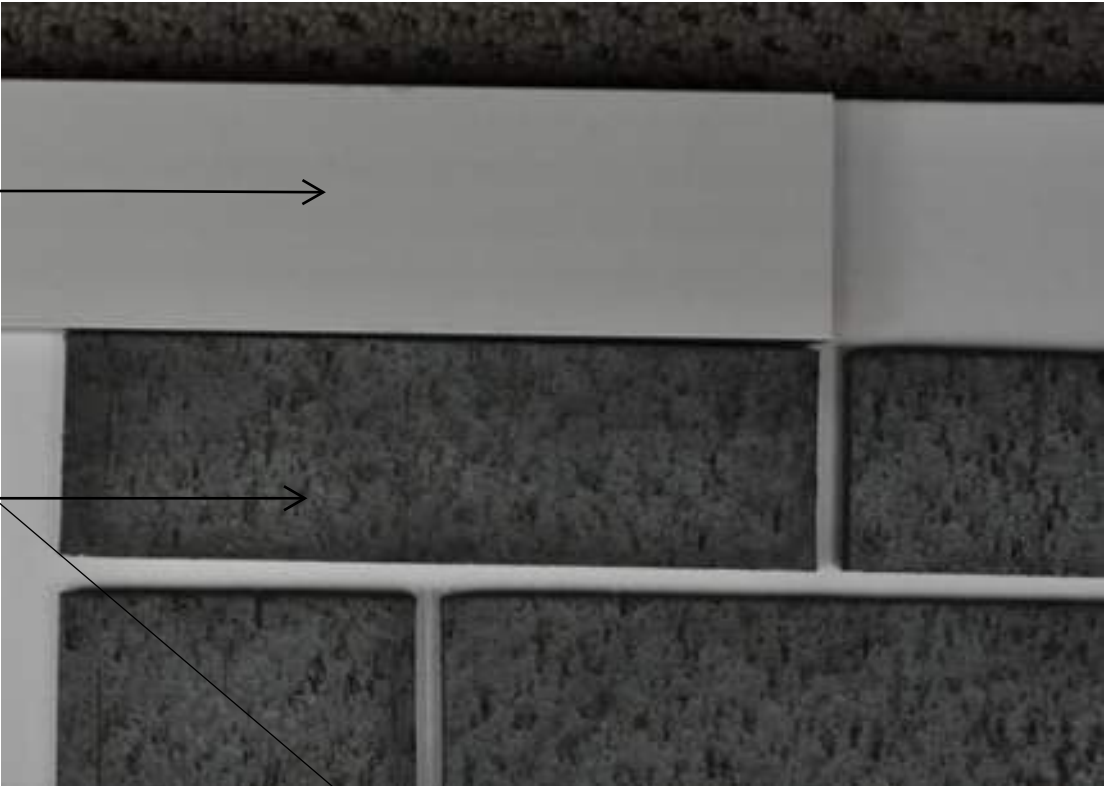
MA001 - Exterior Building Materials



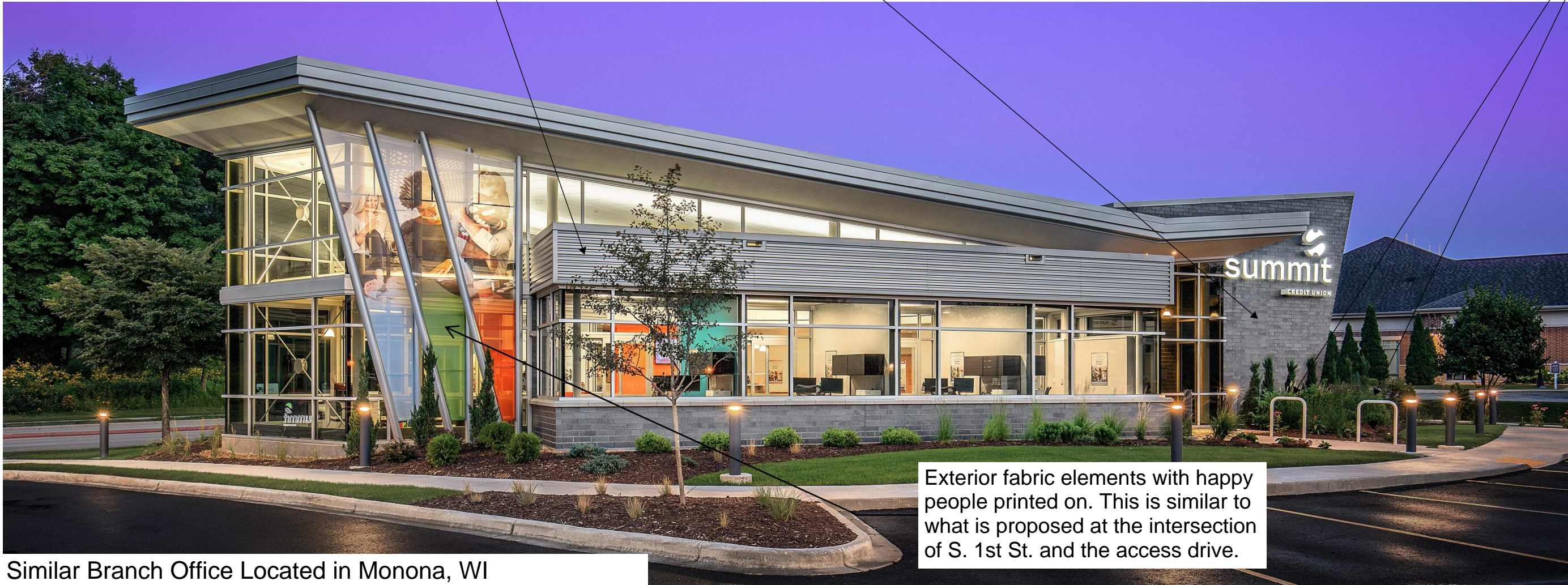
Clear Anodized Aluminum

Silver Metallic Ribbed Metal Panel

Endicott Manganese Ironspot Brick

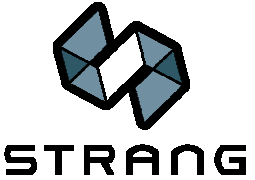


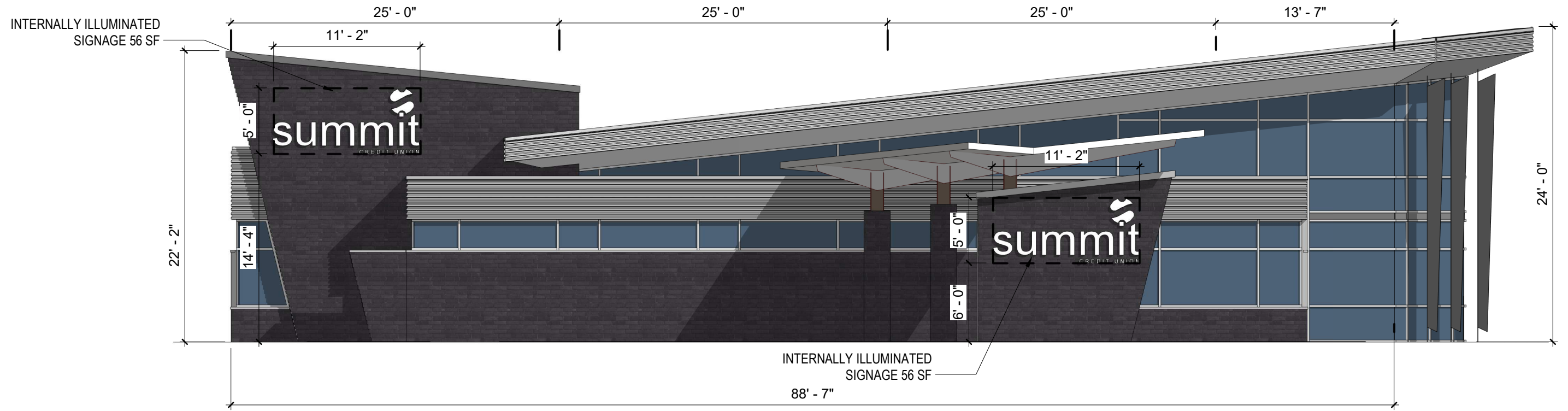
SARIS PARKING - BIKE DOCK
FINISH: BLACK POWDER COAT



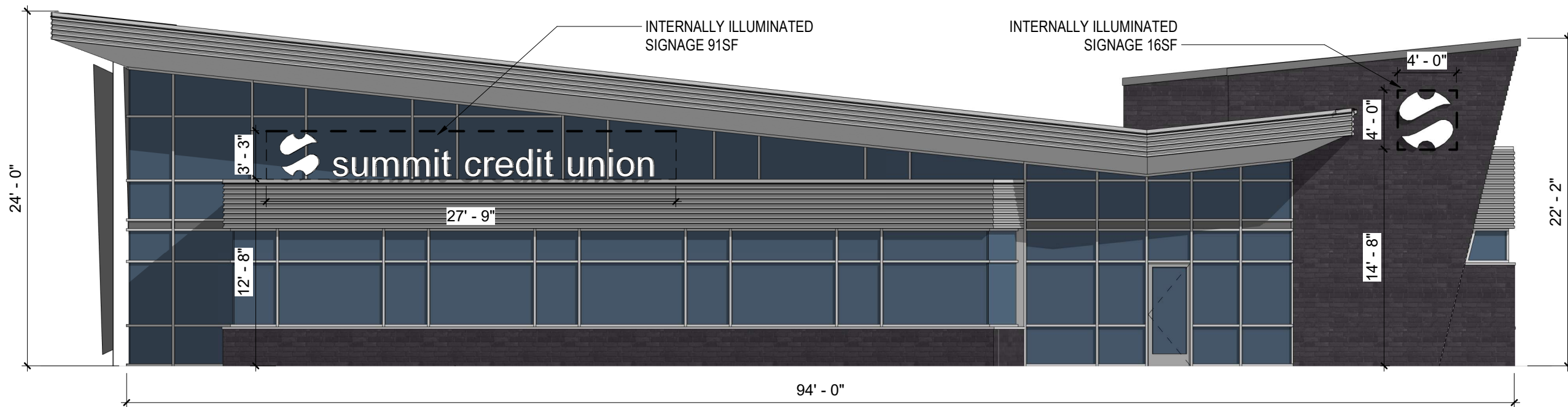
Similar Branch Office Located in Monona, WI

Exterior fabric elements with happy people printed on. This is similar to what is proposed at the intersection of S. 1st St. and the access drive.





1 **EAST ELEVATION**
 PA809 SCALE: 1/8" = 1'-0"



2 **WEST ELEVATION**
 PA809 SCALE: 1/8" = 1'-0"

