



# LAND USE APPLICATION

CITY OF MADISON

215 Martin Luther King Jr. Blvd; Room LL-100  
PO Box 2985; Madison, Wisconsin 53701-2985  
Phone: 608.266.4635 | Facsimile: 608.267.8739

- All Land Use Applications should be filed with the Zoning Administrator at the above address.
- The following information is required for all applications for Plan Commission review except subdivisions or land divisions, which should be filed using the Subdivision Application.
- This form may also be completed online at:  
[www.cityofmadison.com/developmentcenter/landdevelopment](http://www.cityofmadison.com/developmentcenter/landdevelopment)

FOR OFFICE USE ONLY:	
Amt. Paid _____	Receipt No. _____
Date Received _____	
Received By _____	
Parcel No. _____	
Aldermanic District _____	
Zoning District _____	
Special Requirements _____	
Review Required By:	
<input type="checkbox"/> Urban Design Commission	<input type="checkbox"/> Plan Commission
<input type="checkbox"/> Common Council	<input type="checkbox"/> Other: _____

Form Effective: February 21, 2013

1. **Project Address:** 1215 Allen Boulevard, Madison WI 53705  
**Project Title (if any):** Madison Metropolitan Sewerage District - Pump Station 15

2. **This is an application for (Check all that apply to your Land Use Application):**

- Zoning Map Amendment from \_\_\_\_\_ to \_\_\_\_\_
- Major Amendment to Approved PD-GDP Zoning       Major Amendment to Approved PD-SIP Zoning
- Review of Alteration to Planned Development (By Plan Commission)
- Conditional Use, or Major Alteration to an Approved Conditional Use
- Demolition Permit
- Other Requests: Conditional use within CN - Conservancy Zoning - Public Building

3. **Applicant, Agent & Property Owner Information:**

**Applicant Name:** Erik Rehr      **Company:** Madison Metropolitan Sewerage District  
**Street Address:** 1610 Moorland Road      **City/State:** Madison, WI      **Zip:** 53713  
**Telephone:** (608) 222-1201      **Fax:** ( )      **Email:** erikr@madsewer.org

**Project Contact Person:** Doug Hursh      **Company:** Potter Lawson Inc.  
**Street Address:** 749 University Row, Suite 300      **City/State:** Madison, WI      **Zip:** 53705  
**Telephone:** (608) 274-2741      **Fax:** ( )      **Email:** dough@potterlawson.com

**Property Owner (if not applicant):** \_\_\_\_\_  
**Street Address:** \_\_\_\_\_      **City/State:** \_\_\_\_\_      **Zip:** \_\_\_\_\_

4. **Project Information:**

Provide a brief description of the project and all proposed uses of the site: \_\_\_\_\_  
Above grade addition to house equipment for existing sewer pump station. Also, new public restrooms for the park.

**Development Schedule:** Commencement \_\_\_\_\_ Completion \_\_\_\_\_

## 5. Required Submittal Information

All Land Use applications are required to include the following:

**Project Plans** including:\*

- Site Plans (fully dimensioned plans depicting project details including all lot lines and property setbacks to buildings; demolished/proposed/altered buildings; parking stalls, driveways, sidewalks, location of existing/proposed signage; HVAC/Utility location and screening details; useable open space; and other physical improvements on a property)
- Grading and Utility Plans (existing and proposed)
- Landscape Plan (including planting schedule depicting species name and planting size)
- Building Elevation Drawings (fully dimensioned drawings for all building sides, labeling primary exterior materials)
- Floor Plans (fully dimensioned plans including interior wall and room location)

Provide collated project plan sets as follows:

- **Seven (7) copies** of a full-sized plan set drawn to a scale of 1 inch = 20 feet (folded or rolled and stapled)
- **Twenty Five (25) copies** of the plan set reduced to fit onto 11 X 17-inch paper (folded and stapled)
- **One (1) copy** of the plan set reduced to fit onto 8 ½ X 11-inch paper

\* For projects requiring review by the **Urban Design Commission**, provide **Fourteen (14) additional 11x17 copies** of the plan set. In addition to the above information, all plan sets should also include: 1) Colored elevation drawings with shadow lines and a list of exterior building materials/colors; 2) Existing/proposed lighting with photometric plan & fixture cutsheet; and 3) Contextual site plan information including photographs and layout of adjacent buildings and structures. The applicant shall bring samples of exterior building materials and color scheme to the Urban Design Commission meeting.

**Letter of Intent: Provide one (1) Copy per Plan Set** describing this application in detail including, but not limited to:

- |   |   |  |
|---|---|--|
| • Project Team                                | • Building Square Footage                       | • Value of Land  |
| • Existing Conditions                         | • Number of Dwelling Units                      | • Estimated Project Cost                                     |
| • Project Schedule                            | • Auto and Bike Parking Stalls                  | • Number of Construction & Full-Time Equivalent Jobs Created |
| • Proposed Uses (and ft <sup>2</sup> of each) | • Lot Coverage & Usable Open Space Calculations | • Public Subsidy Requested                                   |
| • Hours of Operation                          |   |  |

**Filing Fee:** Refer to the Land Use Application Instructions & Fee Schedule. Make checks payable to: *City Treasurer*.

**Electronic Submittal:** All applicants are required to submit copies of all items submitted in hard copy with their application as Adobe Acrobat PDF files on a non-returnable CD to be included with their application materials, or by e-mail to [pcapplications@cityofmadison.com](mailto:pcapplications@cityofmadison.com).

**Additional Information** may be required, depending on application. Refer to the Supplemental Submittal Requirements.

## 6. Applicant Declarations

**Pre-application Notification:** The Zoning Code requires that the applicant notify the district alder and any nearby neighborhood and business associations in writing no later than **30 days prior to FILING this request**. List the alderperson, neighborhood association(s), and business association(s) AND the dates you sent the notices:  
Alder Mark Clear: notified in June. Open neighborhood meeting July 14, 2015.

→ If a waiver has been granted to this requirement, please attach any correspondence to this effect to this form.

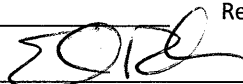
**Pre-application Meeting with Staff:** Prior to preparation of this application, the applicant is required to discuss the proposed development and review process with Zoning and Planning Division staff; note staff persons and date.

Planning Staff: Tim Parks / Al Martin Date: March 20, 2015 Zoning Staff: Matt Tucker Date: December 8, 2015

The applicant attests that this form is accurately completed and all required materials are submitted:

Name of Applicant Erik Rehr Relationship to Property: MMSD Engineer

Authorizing Signature of Property Owner



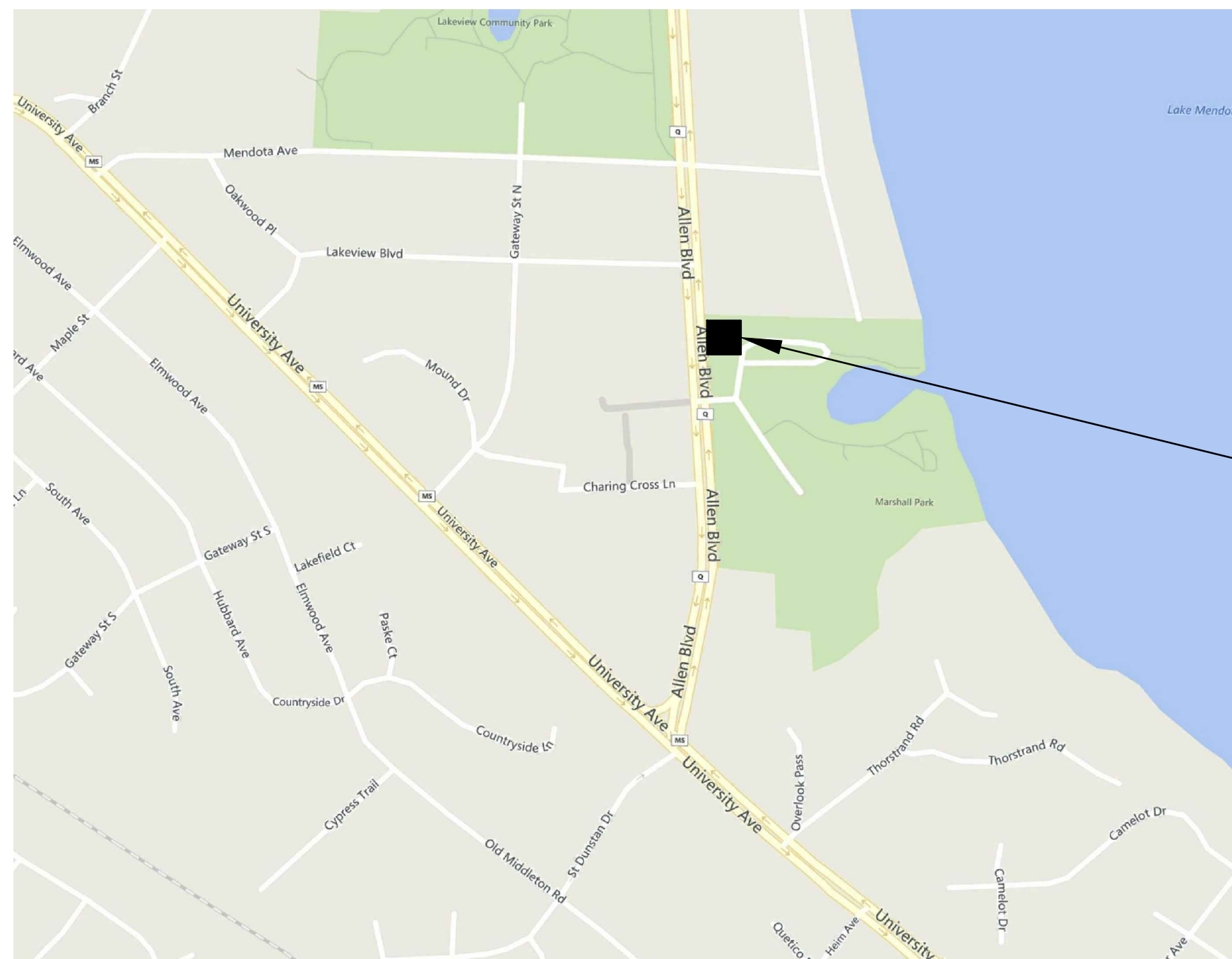
Date 12-16-15

# MADISON METROPOLITAN SEWERAGE DISTRICT MADISON, WISCONSIN PUMPING STATION 15 REHABILITATION CITY OF MADISON PLANNING COMMISSION SUBMITTAL

Madison Metropolitan Sewerage District



NO SCALE



PROJECT LOCATION

VICINITY MAP

City of Madison Planning Commission Submittal  
List of Drawings

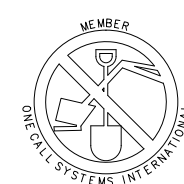
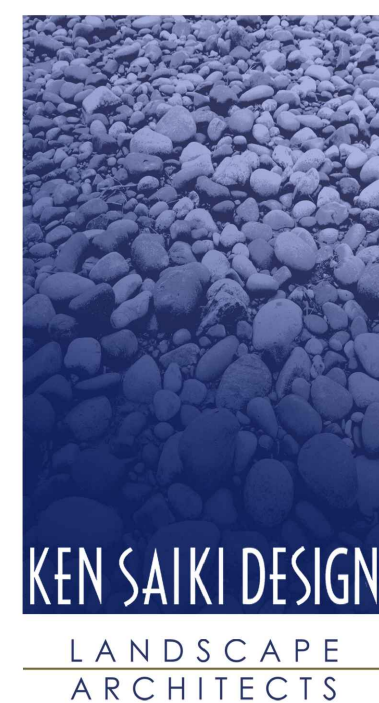
Drawing Number	Title
A-01	Floor Plan
A-02	Elevations
A-03	Elevations
A-04	Perspectives
A-05	Perspectives
L-01	Landscape Plan
L-02	Site Rendering
C-1	Demolition Site Plan (Existing Conditions)
C-2	Site Plan & Erosion Control
C-3	Mechanical Site Plan (Utilities)
C-6	Electrical Site Plan (Photometrics)
M-3	Upper Plan-Mechanical

EXISTING UTILITIES:

WHERE THE DRAWINGS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES. THE INFORMATION IS INCLUDED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. THE UTILITY LOCATIONS WERE DETERMINED FROM THE BEST AVAILABLE RECORDS. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATEVER WITH RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE DRAWINGS REGARDING THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. THE CONTRACTOR SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION REGARDING THE LOCATION OF THE UTILITY FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THE FACILITIES.



WWW.BAXTERWOODMAN.COM



TO OBTAIN LOCATION OF PARTICIPANT'S UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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

WIS. STATUTE 182.0175 (1974)  
REQUIRES MIN. OF 3 WORK DAYS  
NOTICE BEFORE YOU EXCAVATE.

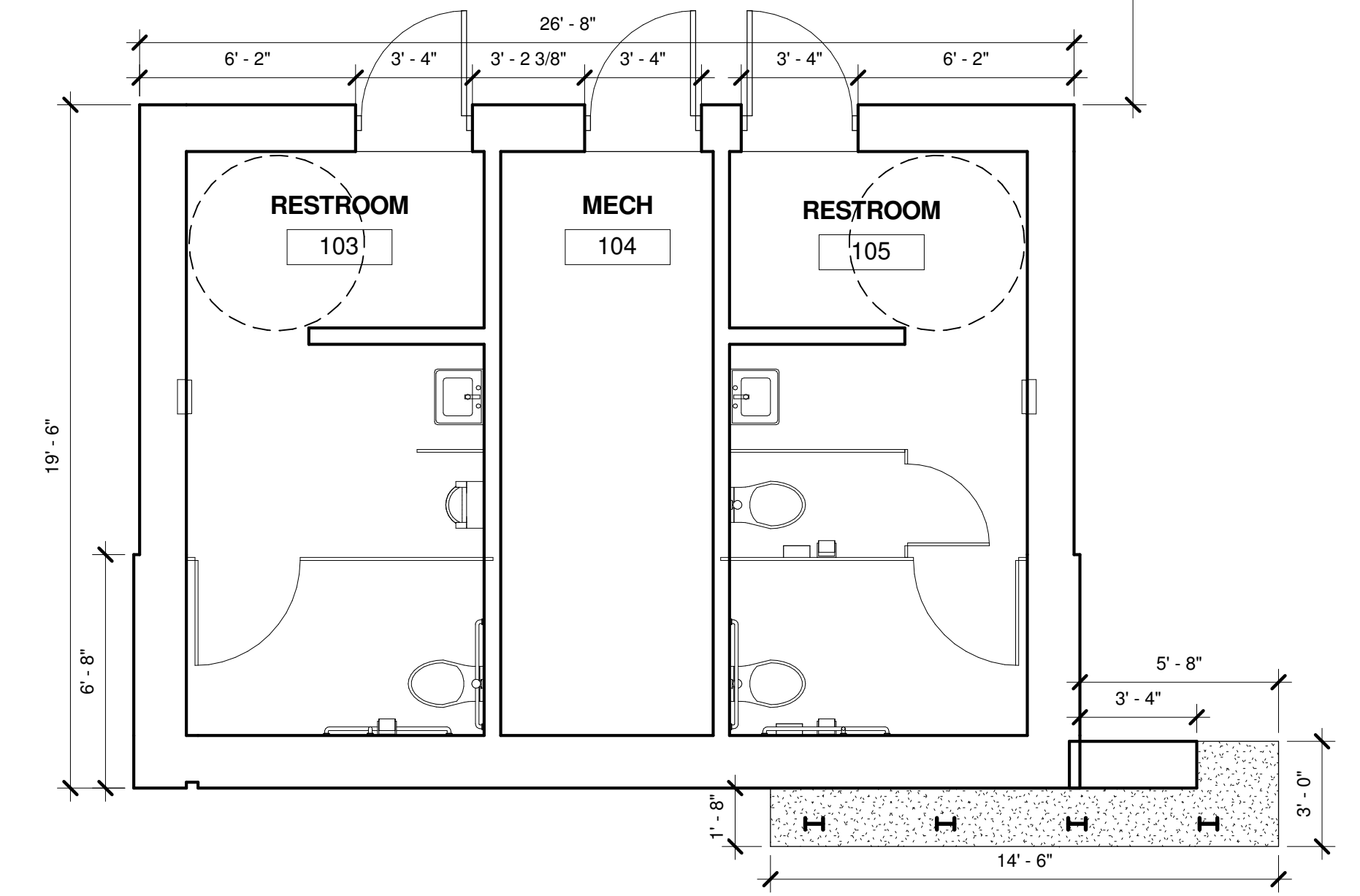
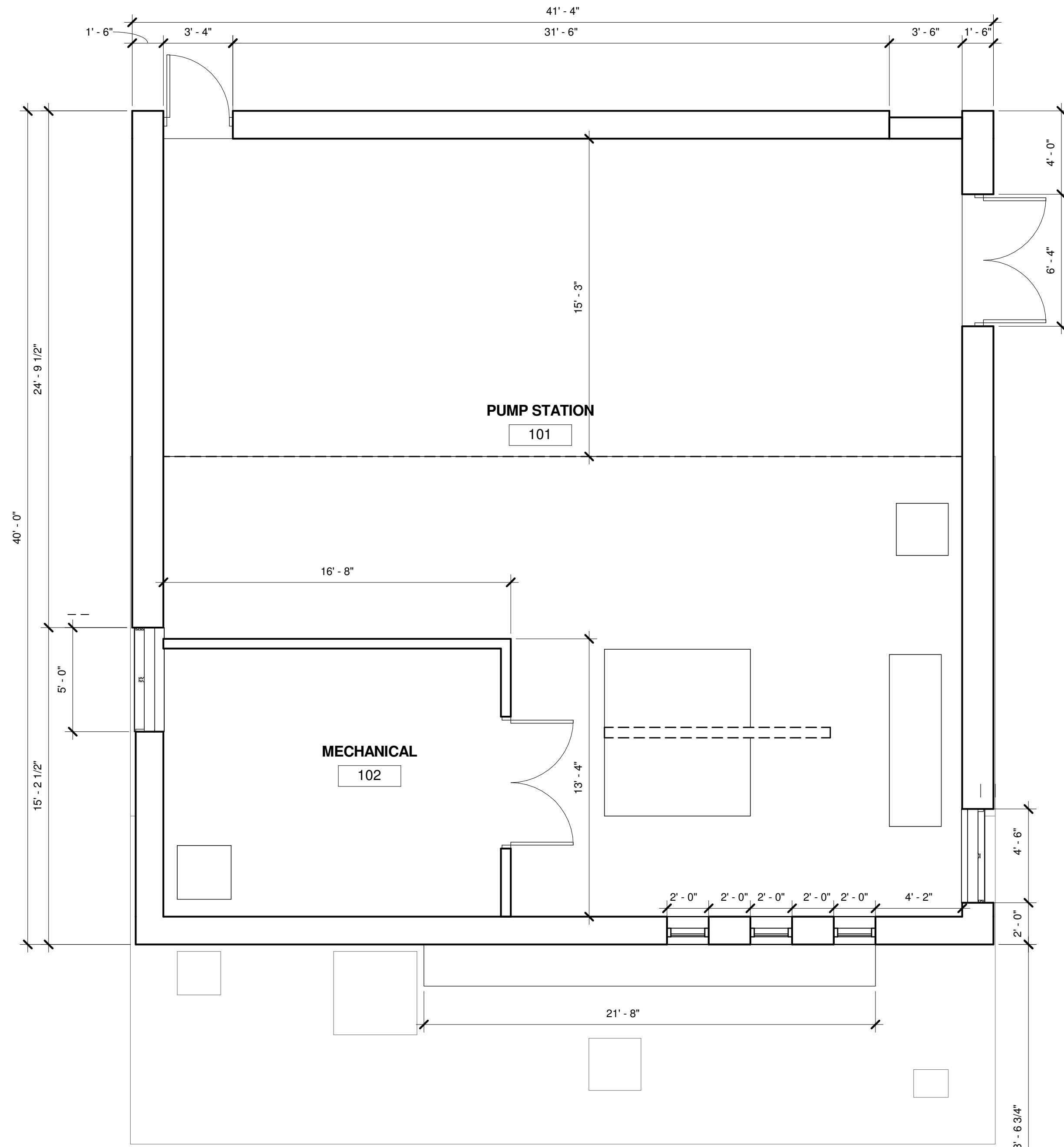
BAXTER & WOODMAN, INC.  
STATE OF WISCONSIN – PROFESSIONAL DESIGN FIRM  
LICENSE NO. – 484-011 – EXPIRES 1/31/2016

NOT FOR BIDDING

PROJECT NO.: 140963 DATE: 12/18/15  
LAND USE SUBMITTAL

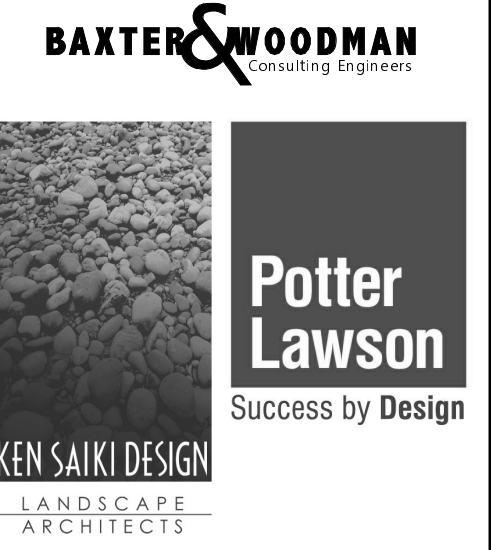
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**1 FLOOR PLAN**  
 A-01 1/4" = 1'-0"  

PRELIMINARY USE ONLY NOT FOR CONSTRUCTION

CONSULTANTS



REVISIONS	
NO.	DATE
1	12/16/2015
	Land Use Submittal

PLAN SHEET DESIGNATION  
 COVER  
 G - GENERAL  
 C - CIVIL  
 L - LANDSCAPING  
 D - DEMOLITION  
 A - ARCHITECTURAL  
 S - STRUCTURAL  
 M - MECHANICAL  
 P - PLUMBING  
 H - HVAC  
 E - ELECTRICAL  
 I - INSTRUMENTATION

PROJECT NO: 2015.04.00  
 SCALE: AS NOTED  
 DRAWING DATE:  
 DESIGNED BY: DOUG H  
 DRAWN BY: ANDREW L  
 CHECKED BY: DOUG H

CLIENT  
**MADISON METROPOLITAN  
 SEWERAGE DISTRICT  
 MADISON, WISCONSIN**

Madison Metropolitan Sewerage District  
  
**PUMPING STATION 15  
 REHABILITATION**

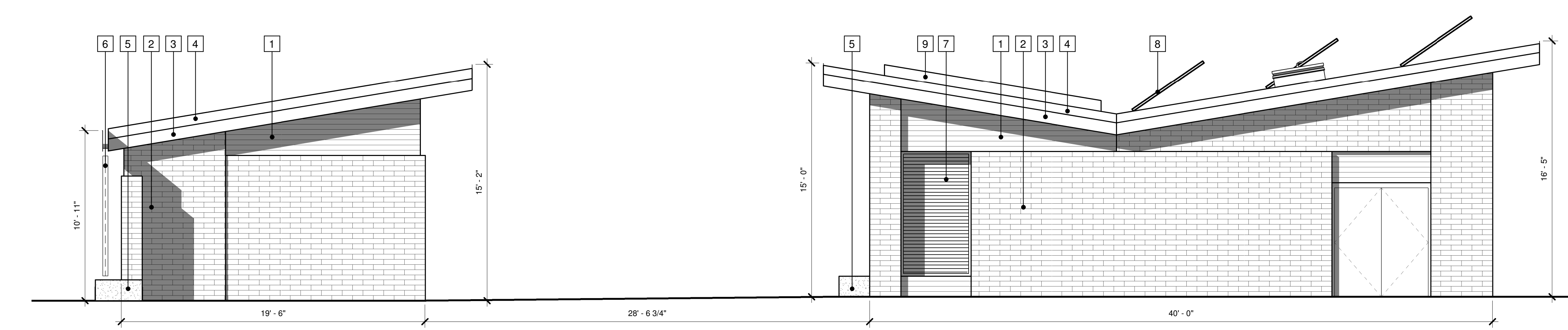
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**Floor Plan**

**A-01**



ELEVATION KEY NOTES:

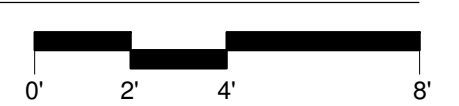
- |                          |                               |
|--------------------------|-------------------------------|
| 1 CEMENT BOARD SIDING    | 8 SOLAR PANELS                |
| 2 BURNISHED BLOCK VENEER | 9 GREEN ROOF                  |
| 3 CEMENT BOARD FASCIA    | 10 TRANSLUCENT WALL PANEL     |
| 4 METAL ROOF COPING      | 11 T&G WOOD SOFFIT            |
| 5 CONCRETE BENCH         | 12 ALUMINUM STOREFRONT SYSTEM |
| 6 METAL SCUPPER / GUTTER | 13 STANDING SEAM METAL ROOF   |
| 7 MECHANICAL LOUVER      |                               |



**2** Pump Station / Restroom - East Elevation  
A-02 1/4" = 1'-0"



**1** Pump Station / Restroom - West Elevation  
A-02 1/4" = 1'-0"



REVISIONS	
NO.	DESCRIPTION
1	Land Use Submittal
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	

PLAN SHEET DESIGNATION

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PROJECT NO.: 2015.04.00

SCALE: AS NOTED

DRAWING DATE:

DESIGNED BY: DOUG H

DRAWN BY: ANDREW L

CHECKED BY: DOUG H

CLIENT

**MADISON METROPOLITAN SEWERAGE DISTRICT**  
**MADISON, WISCONSIN**

Madison Metropolitan Sewerage District

**PUMPING STATION 15 REHABILITATION**

SHEET TITLE

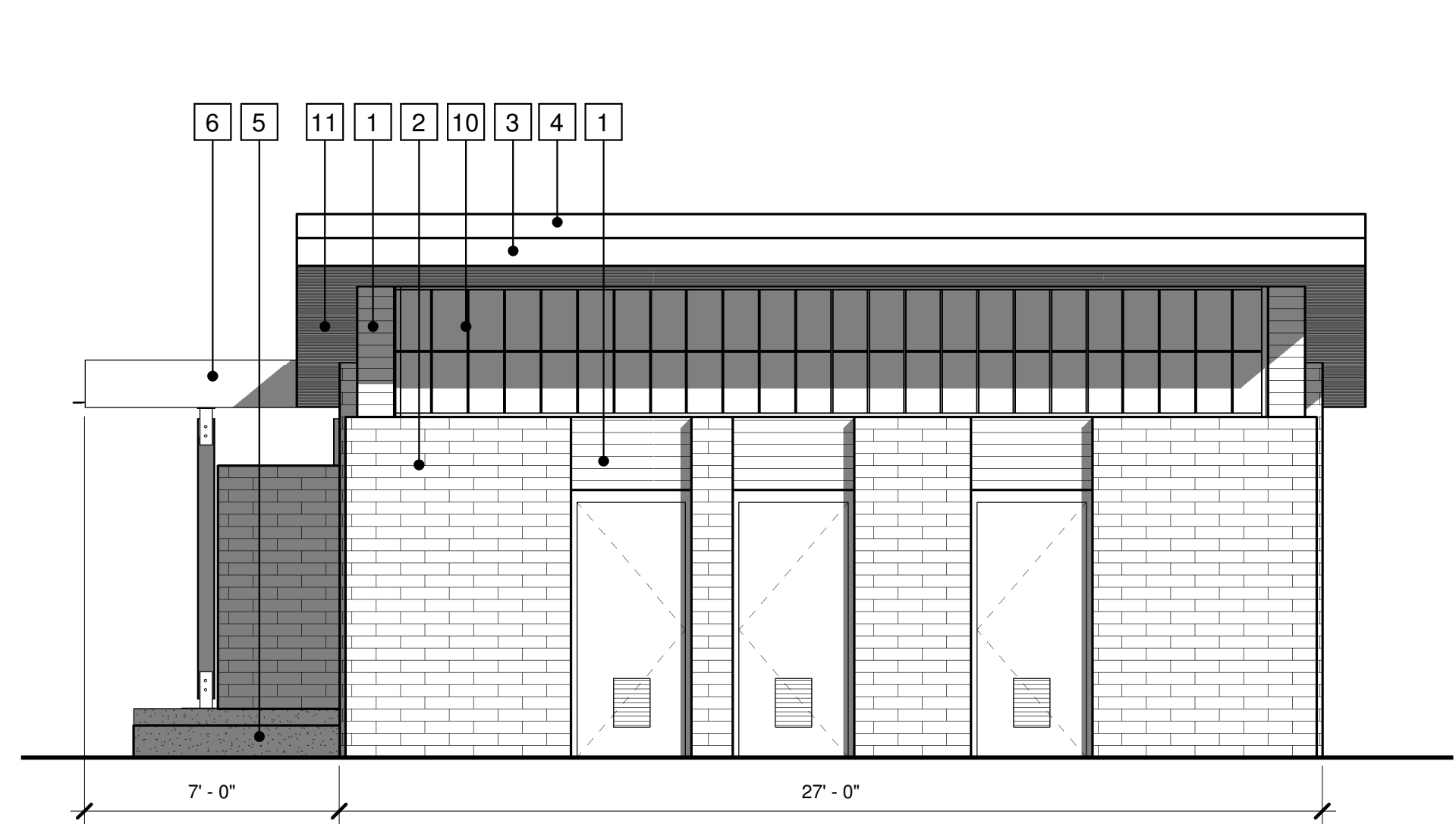
**Elevations**

**A-02**

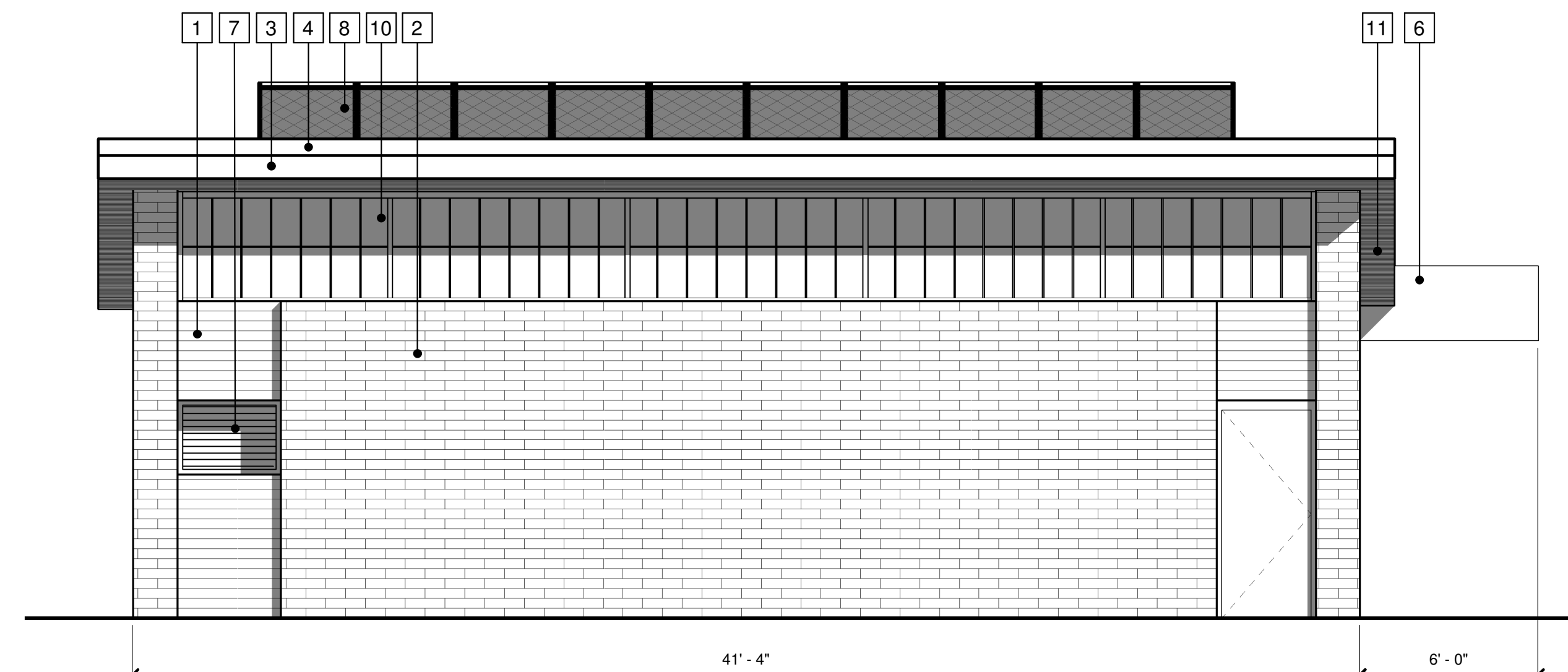
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ELEVATION KEY NOTES:

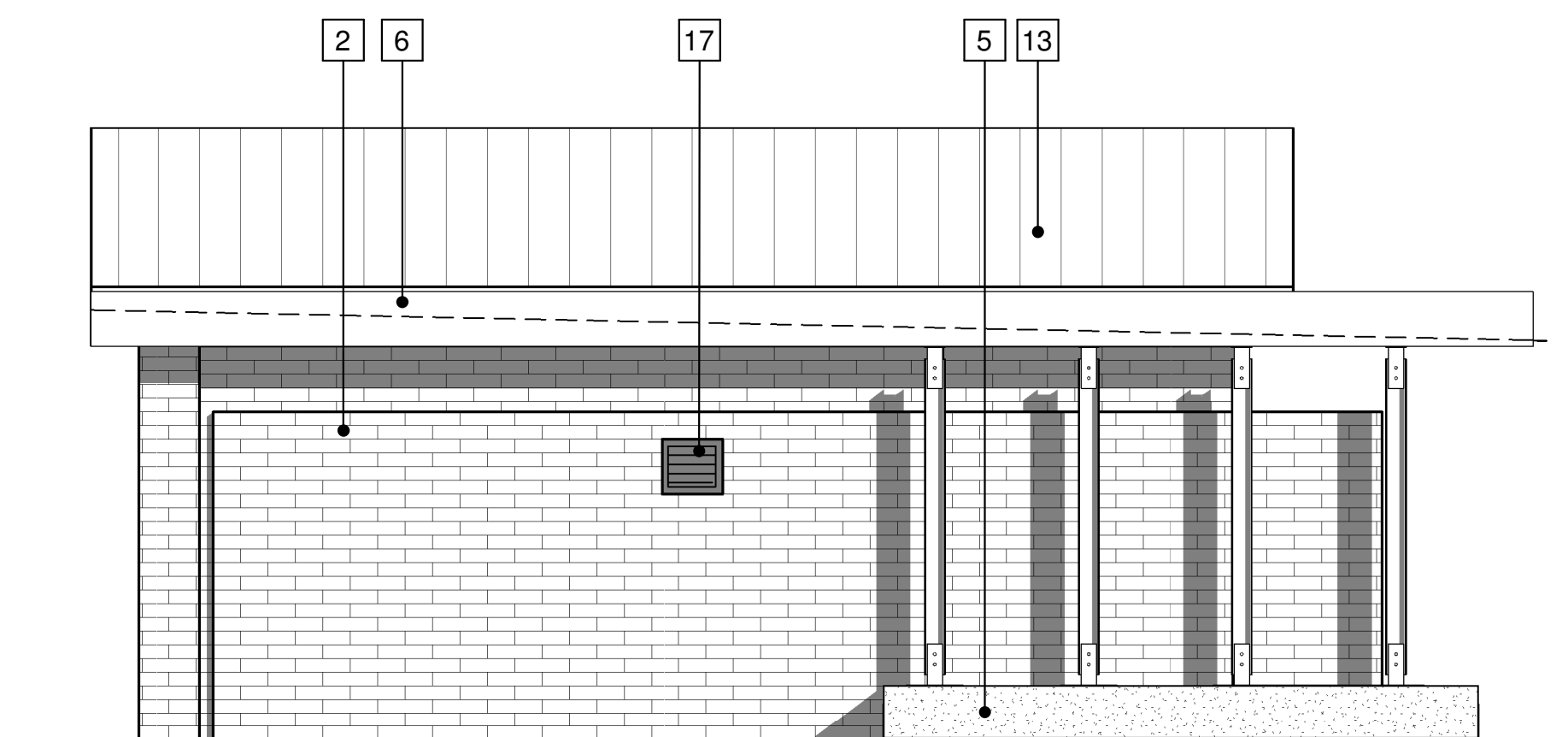
- |                          |                               |
|--------------------------|-------------------------------|
| 1 CEMENT BOARD SIDING    | 8 SOLAR PANELS                |
| 2 BURNISHED BLOCK VENEER | 9 GREEN ROOF                  |
| 3 CEMENT BOARD FASCIA    | 10 TRANSLUCENT WALL PANEL     |
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| 6 METAL SCUPPER / GUTTER | 13 STANDING SEAM METAL ROOF   |
| 7 MECHANICAL LOUVER      |                               |



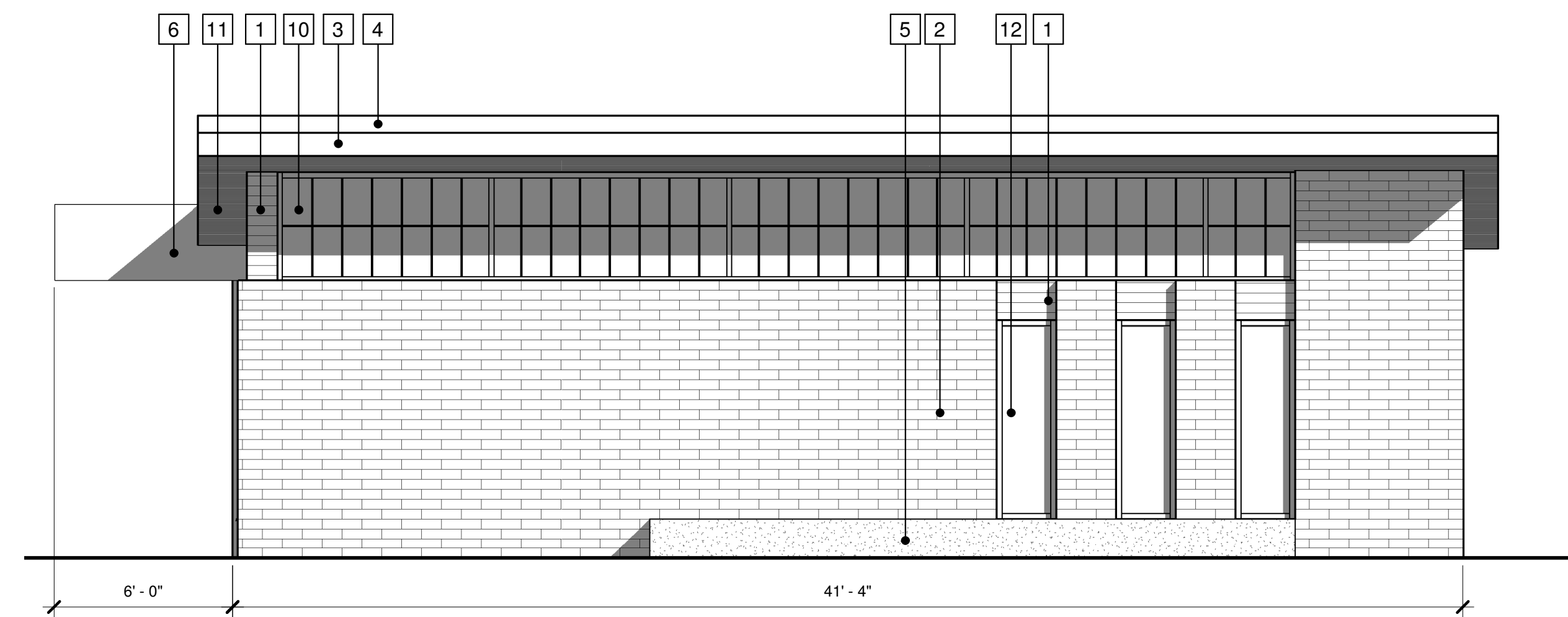
**4 Restroom - North Elevation**  
A-03 1/4" = 1'-0"  
0' 2' 4' 8'



**2 Pump Station - North Elevation**  
A-03 1/4" = 1'-0"  
0' 2' 4' 8'



**3 Restroom - South Elevation**  
A-03 1/4" = 1'-0"  
0' 2' 4' 8'



**1 Pump Station - South Elevation**  
A-03 1/4" = 1'-0"  
0' 2' 4' 8'

NO.	DATE	DESCRIPTION
1	12/18/2015	Land Use Submittal

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I - INSTRUMENTATION

PROJECT NO.: 2015.04.00

SCALE: AS NOTED

DRAWING DATE:

DESIGNED BY: DOUG H

DRAWN BY: ANDREW L

CHECKED BY: DOUG H

CLIENT

**MADISON METROPOLITAN SEWERAGE DISTRICT**  
**MADISON, WISCONSIN**

Madison Metropolitan Sewerage District

**PUMPING STATION 15 REHABILITATION**

SHEET TITLE

**Elevations**

**A-03**





South-East Perspective



South-West Perspective



North-East Perspective



North-West Perspective

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CONSULTANTS

**BAXTER & WOODMAN**  
Consulting Engineers



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**MADISON METROPOLITAN  
SEWERAGE DISTRICT  
MADISON, WISCONSIN**

Madison Metropolitan Sewerage District



**PUMPING STATION 15  
REHABILITATION**

SHEET TITLE

**Perspectives**

**A-04**





South-East Aerial



South-West Aerial



North-East Aerial



North-West Aerial

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CONSULTANTS

**BAXTER & WOODMAN**  
Consulting Engineers

**Potter  
Lawson**  
Success by Design

**KEN SAIKI DESIGN**  
LANDSCAPE  
ARCHITECTS

NO.	DATE	DESCRIPTION
1	12/18/2015	Land Use Submittal

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CLIENT

**MADISON METROPOLITAN  
SEWERAGE DISTRICT  
MADISON, WISCONSIN**

Madison Metropolitan Sewerage District



**PUMPING STATION 15  
REHABILITATION**

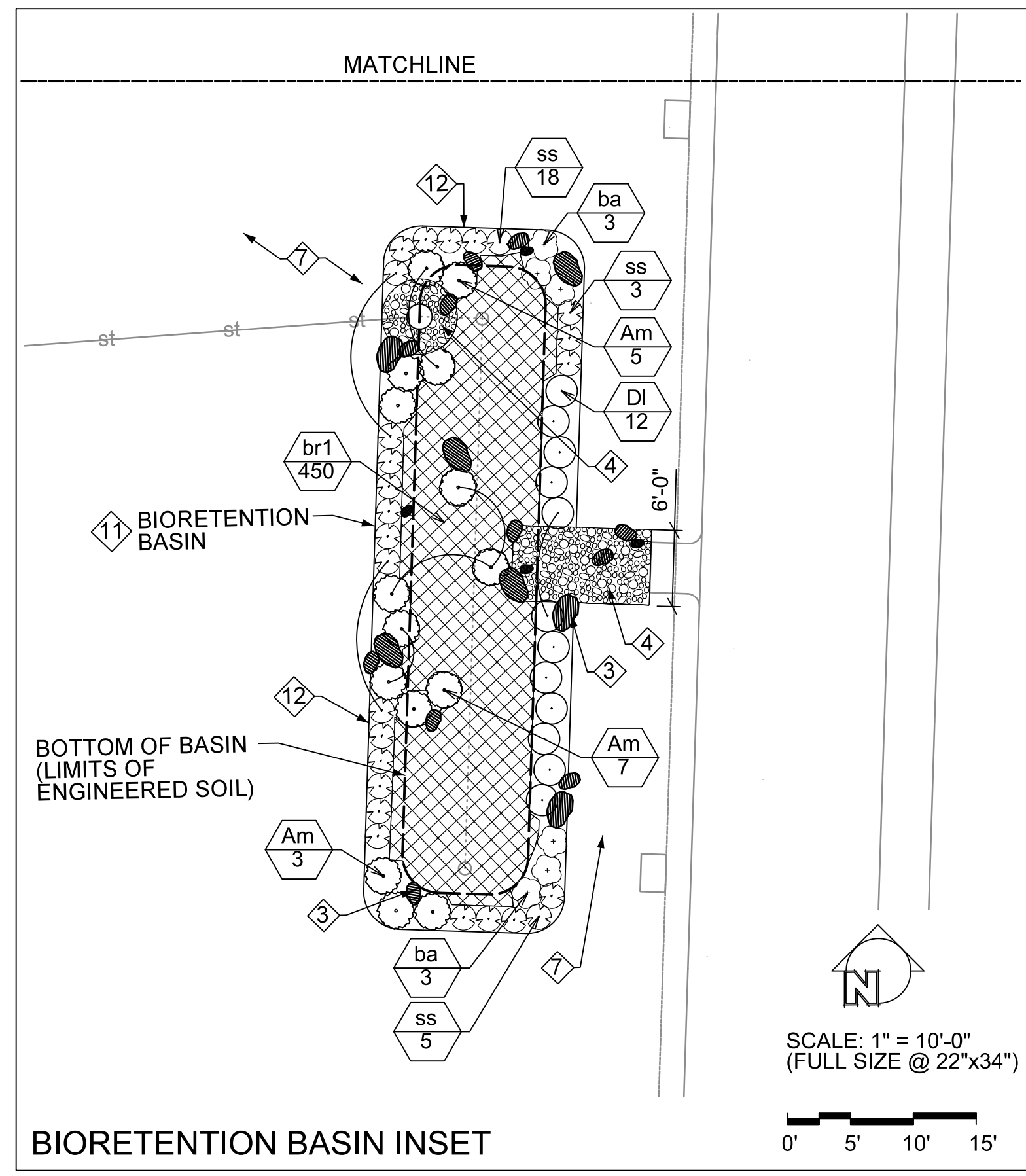
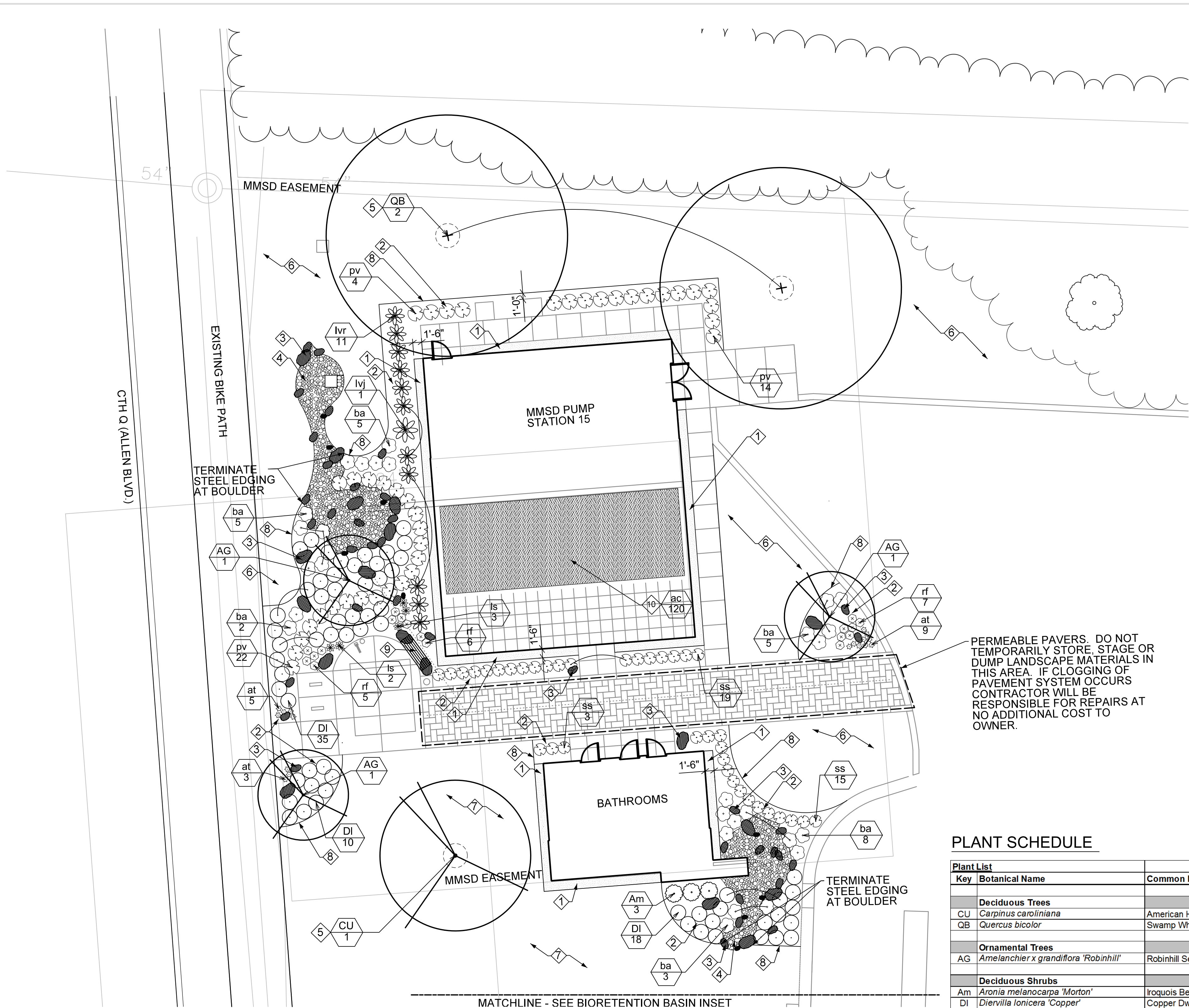
SHEET TITLE

Perspectives

**A-05**



I:\BURLINGTON\WAMSD\140963-PS 15\CADD\DRAWINGS\DWG\PUMPING STATION 15\ELEMENTS\BASESHEET\_22X34.DWG Model  
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PERMEABLE PAVERS. DO NOT TEMPORARILY STORE, STAGE OR DUMP LANDSCAPE MATERIALS IN THIS AREA. IF CLOGGING OF PAVEMENT SYSTEM OCCURS CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRS AT NO ADDITIONAL COST TO OWNER.

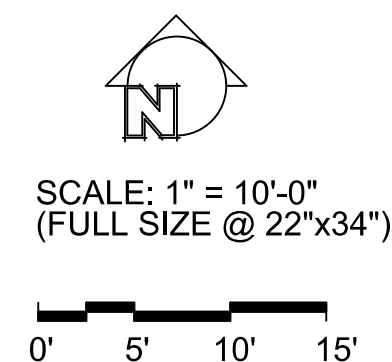
- LEGEND**
- ① MAINTENANCE EDGE, SEE DETAIL 2/L-2
  - ② SHREDDED HARDWOOD BARK MULCH
  - ③ ACCENT BOULDER, SEE DETAIL 4/L-2
  - ④ DECORATIVE COBBLES, SEE DETAIL 5/L-2
  - ⑤ SHREDDED HARDWOOD BARK MULCH RING AT BASE OF TREE, SEE DETAIL 1/L-2
  - ⑥ SEEDED NO-MOW FESCUE LAWN WITH EROSION CONTROL MAT
  - ⑦ SEEDED BLUEGRASS LAWN
  - ⑧ STEEL EDGING
  - ⑨ BENCH, SEE DETAIL 3/L-2
  - ⑩ EXTENSIVE GREEN ROOF - SEDUM TILE & PERENNIALS PER PLANT SCHEDULE
  - ⑪ JUTE MESH OVER SHREDDED HARDWOOD BARK MULCH (ENTIRE BIORETENTION BASIN)
  - ⑫ SHOVEL-CUT EDGING

**PLANT SCHEDULE**

Key	Botanical Name	Common Name	Quantity	Size	Root Condition	Comments
<b>Deciduous Trees</b>						
CU	<i>Carpinus caroliniana</i>	American Hornbeam	1	2" Cal.	B&B	Space Per Plans
QB	<i>Quercus bicolor</i>	Swamp White Oak	2	2" Cal.	B&B	Space Per Plans
<b>Ornamental Trees</b>						
AG	<i>Amelanchier x grandiflora 'Robinhill'</i>	Robinhill Serviceberry	3	6' Ht.	B&B	Multi-Stem Tree; Space Per Plans
<b>Deciduous Shrubs</b>						
Am	<i>Aronia melanocarpa 'Morton'</i>	Iroquois Beauty Chokeberry	18	24" Ht.	Cont.	Space 3'-0" o.c.
DI	<i>Diervilla lonicera 'Copper'</i>	Copper Dwarf Bush Honeysuckle	75	24" Sprd.	Cont.	Space 2'-6" o.c.
lvr	<i>Ilex verticillata 'Red Sprite'</i>	Red Sprite Winterberry	11	24" Ht.	Cont.	Space 2'-6" o.c.
lj	<i>Ilex verticillata 'Jim Dandy'</i>	Jim Dandy Winterberry	1	24" Ht.	Cont.	Space Per Plans
<b>Perennials/Grasses/Groundcovers</b>						
at	<i>Allium tangulicum 'Summer Beauty'</i>	Summer Beauty Allium	17	#1	Cont.	Space 12" o.c.
ac	<i>Allium cernuum</i>	Nodding Onion	120	2" sq. x 3.5" deep min.	Plug	Space 12" o.c. mix randomly into green roof
ba	<i>Baptisia 'solar flare' Prairieblues</i>	Solar Flare False Indigo	34	#1	Cont.	Space 30" o.c.
ss	<i>Schizachyrium scoparium 'MinnblueA'</i>	Blue Heaven Little Bluestem	63	#1	Cont.	Space 24" o.c.
rf	<i>Rudbeckia fulgida 'Early Bird Gold'</i>	Early Bird Gold Coneflower	18	#1	Cont.	Space 18" o.c.
ls	<i>Liatris spicata 'Kobold'</i>	Kobold Spiked Gayfeather	5	#1	Cont.	Space 18" o.c.
pv	<i>Panicum virgatum 'Shenandoah'</i>	Shenandoah Switchgrass	40	#1	Cont.	Space 30" o.c.
<b>Bioretention Area Mix</b>						
br1	<i>Asclepias tuberosa</i>	Butterfly Weed	50	2" sq. x 5" deep min.	Plug	Mix evenly & Space 12" o.c.
	<i>Aquilegia canadensis</i>	Columbine	30	2" sq. x 5" deep min.	Plug	
	<i>Carex bicknellii</i>	Copper Shouldered Oval Sedge	170	2" sq. x 5" deep min.	Plug	
	<i>Carex bebbii</i>	Bebb's Oval Sedge	60	2" sq. x 5" deep min.	Plug	
	<i>Carex sprengei</i>	Long Beaked Sedge	55	2" sq. x 5" deep min.	Plug	
	<i>Carex vulpinoidea</i>	Brown Fox Sedge	55	2" sq. x 5" deep min.	Plug	
	<i>Rudbeckia speciosa sullivantii</i>	Showy Black-Eyed Susan	30	2" sq. x 5" deep min.	Plug	

**GENERAL NOTES**

- FIELD VERIFY ALL EXISTING AND PROPOSED SITE UTILITIES. CONTACT DIGGERS HOTLINE, CITY OF MADISON AND CITY OF MIDDLETON FOR UNDERGROUND UTILITY LOCATIONS. NOTIFY PROJECT REPRESENTATIVE OF ANY PROBLEMS.
- PROTECT ALL PAVEMENTS, CURBS, UTILITIES, AND OTHER SITE ELEMENTS DURING PLANTING OPERATIONS.
- SUBMIT TOPSOIL TESTING REQUIREMENTS PER SECTION 329113, SOIL PREPARATION.
- VERIFY THAT SPECIFIED PLANTING SOIL DEPTH IS PRESENT PRIOR TO PLANTING PER SECTION 329113, SOIL PREPARATION. NOTIFY PROJECT REPRESENTATIVE OF ANY PROBLEMS.
- LAYOUT, STAKE OR PAINT THE PROPOSED LOCATION OF ALL PLANTINGS FOR APPROVAL BY PROJECT REPRESENTATIVE PRIOR TO PLANTING.
- SPACE SHRUBS AND PERENNIALS PER PLANT SCHEDULE.
- ALL WRAPPINGS, WIRE BASKETS, BURLAP, TWINE AND OTHER MISCELLANEOUS MATERIAL SHALL BE REMOVED FROM ENTIRE ROOT BALL PRIOR TO INSTALLATION.
- ALL LAWN AREAS ADJACENT TO THE PROJECT SITE THAT ARE DISTURBED BY CONSTRUCTION ACTIVITIES INCLUDING, BUT NOT LIMITED TO, UTILITY TRENCHING, ACCESS, OR MATERIALS STORAGE SHALL BE REPAIRED WITH SEED MIXES AS NOTED ON THE PLANS AND PER SECTION 32 92 00, TURF AND GRASSES.
- REPAIR TO ORIGINAL CONDITION ALL EXISTING VEGETATION NOTED TO REMAIN INCLUDING PLANTS, MULCH AND EDGING THAT HAVE BEEN DISTURBED BY CONSTRUCTION ACTIVITIES.
- ALL PLANTING BEDS TO RECEIVE SHREDDED HARDWOOD BARK MULCH UNLESS OTHERWISE NOTED.
- HOLD CENTER OF PERENNIAL PLANTINGS A MINIMUM OF 18" AND CENTER OF SHRUB PLANTINGS A MINIMUM OF 24" FROM BACK OF CURB/EDGE OF PAVEMENT.



**CONSULTANTS**

**BAXTER & WOODMAN**  
Consulting Engineers

**Potter Lawson**  
LANDSCAPE ARCHITECTS  
Success by Design

**REVISIONS**

NO.	DATE	DESCRIPTION
1	12/18/2015	LAND USE SUBMITTAL
?		

**PLAN SHEET DESIGNATION**

COVER: GENERAL, CIVIL, LANDSCAPING, DEMOLITION, ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, HVAC, ELECTRICAL, INSTRUMENTATION

PROJECT NO: 140963

SCALE: AS NOTED  
DRAWING DATE: 12/18/2015  
DESIGNED BY: NMS  
DRAWN BY: NMS  
CHECKED BY: NMS

**CLIENT**

**MADISON METROPOLITAN SEWERAGE DISTRICT  
MADISON, WISCONSIN**

Madison Metropolitan Sewerage District

**PUMPING STATION 15  
REHABILITATION**

**SHEET TITLE**

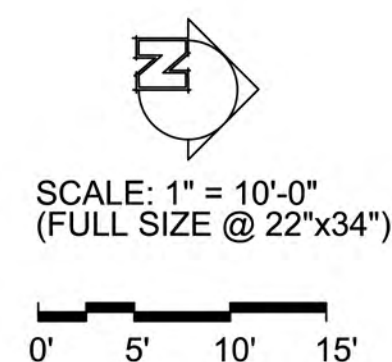
**LANDSCAPE PLAN**

**L-01**

NOT FOR BIDDING



I:\BURLINGTON\WAMSD\140963-PS 15\CADD\DRAWINGS\DWG\PUMPING STATION 15\ELEMENTS\BASESHEET\_22X34.DWG Model  
 Plotted by: LB  
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**CONSULTANTS**

**BAXTER & WOODMAN**  
 Consulting Engineers

**Potter Lawson**  
 LANDSCAPE ARCHITECTS  
 Success by Design

NO.	DATE	DESCRIPTION
	12/18/2015	LAND USE SUBMITTAL

- PLAN SHEET DESIGNATION**
- COVER
  - GG - GENERAL
  - CC - CIVIL
  - LL - LANDSCAPING
  - DD - DEMOLITION
  - AA - ARCHITECTURAL
  - SS - STRUCTURAL
  - MM - MECHANICAL
  - PP - PLUMBING
  - HH - HVAC
  - EE - ELECTRICAL
  - II - INSTRUMENTATION

PROJECT NO: 140963  
 SCALE: AS NOTED  
 DRAWING DATE: 12/18/2015  
 DESIGNED BY: NMS  
 DRAWN BY: NMS  
 CHECKED BY: NMS

**CLIENT**

**MADISON METROPOLITAN  
 SEWERAGE DISTRICT  
 MADISON, WISCONSIN**

Madison Metropolitan Sewerage District

**PUMPING STATION 15  
 REHABILITATION**

**SHEET TITLE**

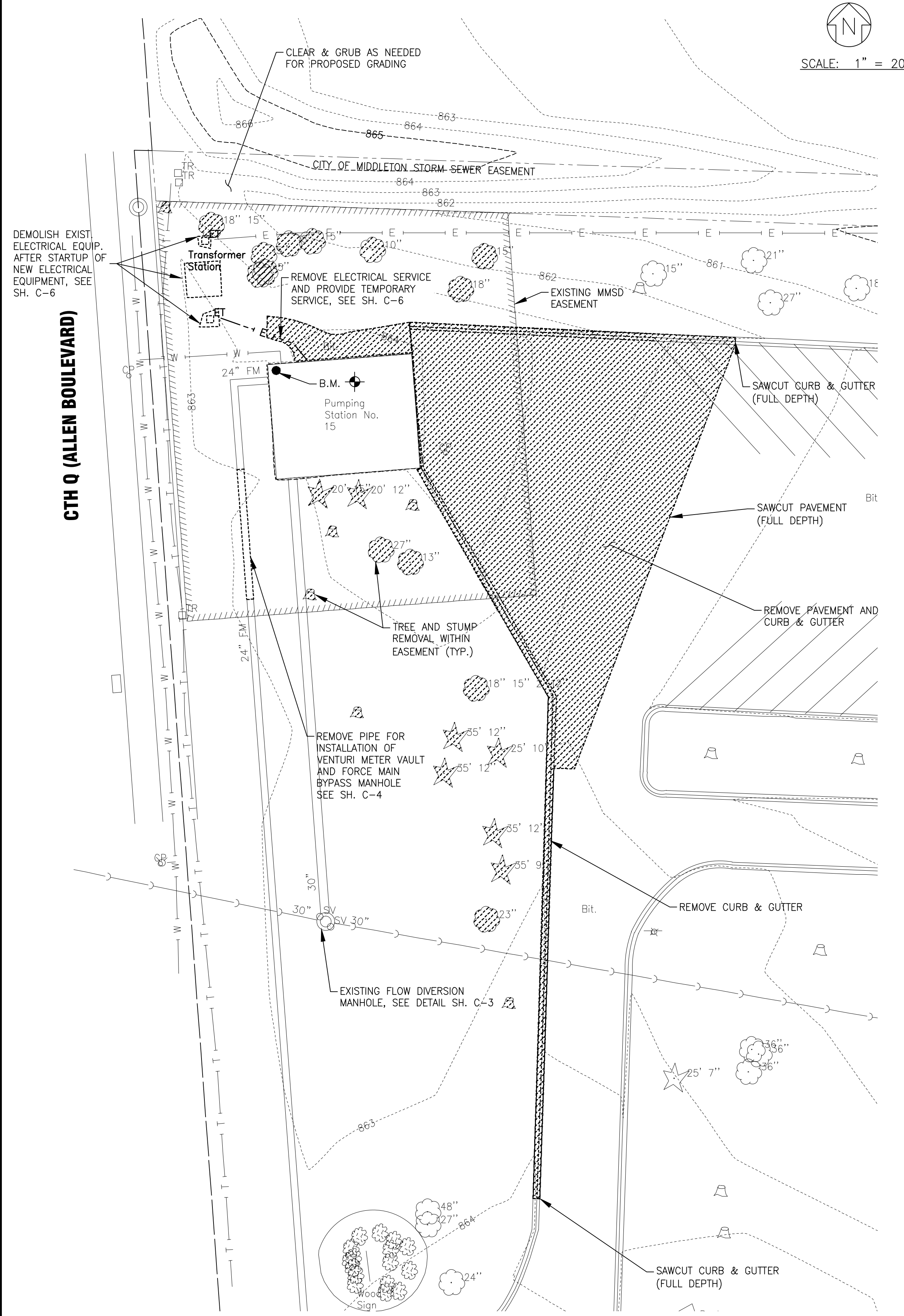
**SITE RENDERING**

**L-02**

NOT FOR BIDDING



I:\BURLINGTON\MAUSD\140963-PS 15\CADD\DRAWINGS\DWG\40 - CURRENT\140963 - TOPO - C3D 2012.DWG DEMOLITION SITE PLAN  
 Plotted: 12/17/2015 3:58 PM By: 42TLB  
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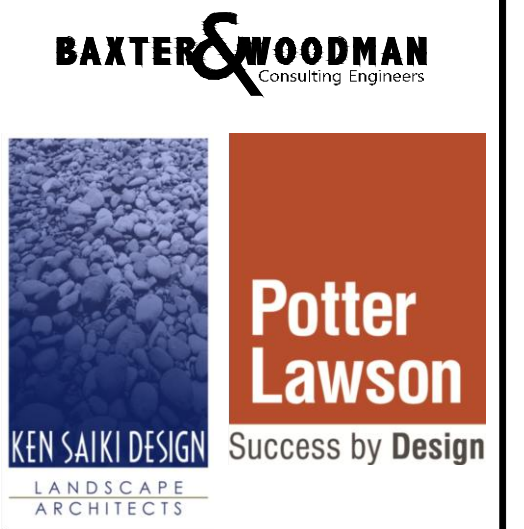
**BENCHMARK**

PUMPING STATION 15 BENCHMARK:  
 ON NORTHWEST CORNER OF PUMPING STATION 15 FOR MMSD AT MARSHALL PARK  
 ON ALLEN BOULEVARD - EL. 865.25'

**NOTES:**

1. REFER TO CONSTRUCTION SEQUENCE IN SECTION 01 31 14 FOR SPECIFIC DEMOLITION REQUIREMENTS.
2. STRIP TOPSOIL AND STOCKPILE IN ACCORDANCE WITH SECTION 31 16 00 FOR AREAS TO BE IMPROVED (NOT SHOWN). FOLLOW SCHEDULE INCLUDED IN SECTION 01 14 15 PUMPING STATION OPERATION DURING CONSTRUCTION.

CONSULTANTS



REVISIONS	
NO.	DESCRIPTION
1	LAND USE SUBMITTAL
2	
3	
4	
5	
6	
7	
8	
9	
10	

REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWING

**PLAN SHEET DESIGNATION**

COVER	
G - GENERAL	
C - CIVIL	
L - LANDSCAPING	
D - DEMOLITION	
A - ARCHITECTURAL	
S - STRUCTURAL	
M - MECHANICAL	
P - PLUMBING	
H - HVAC	
E - ELECTRICAL	
I - INSTRUMENTATION	

PROJECT NO:	140963
SCALE:	AS NOTED
DRAWING DATE:	
DESIGNED BY:	JWM
DRAWN BY:	TLB
CHECKED BY:	JEK

**CLIENT**

**MADISON METROPOLITAN  
 SEWERAGE DISTRICT  
 MADISON, WISCONSIN**



**PUMPING STATION 15  
 REHABILITATION**

**SHEET TITLE**

**DEMOLITION SITE PLAN**

**C-1**  
 3 OF 59

NOT FOR BIDDING

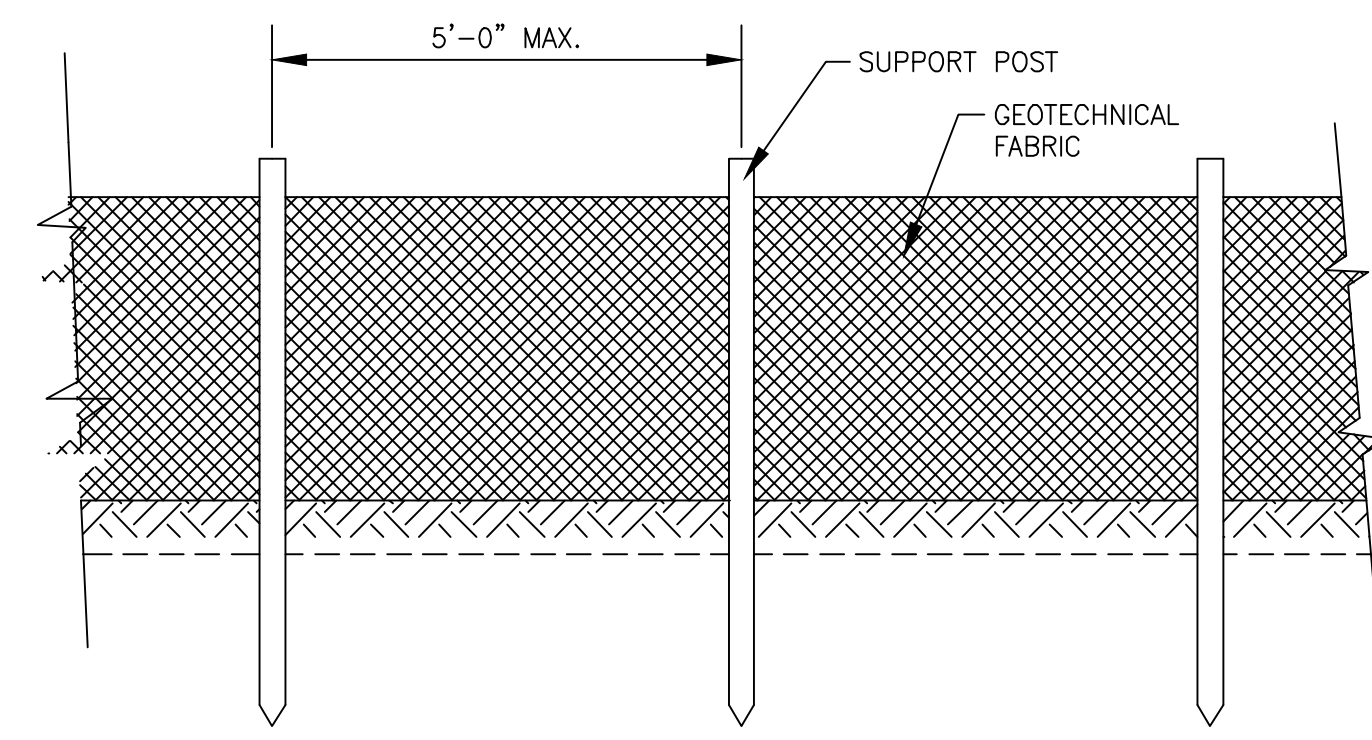
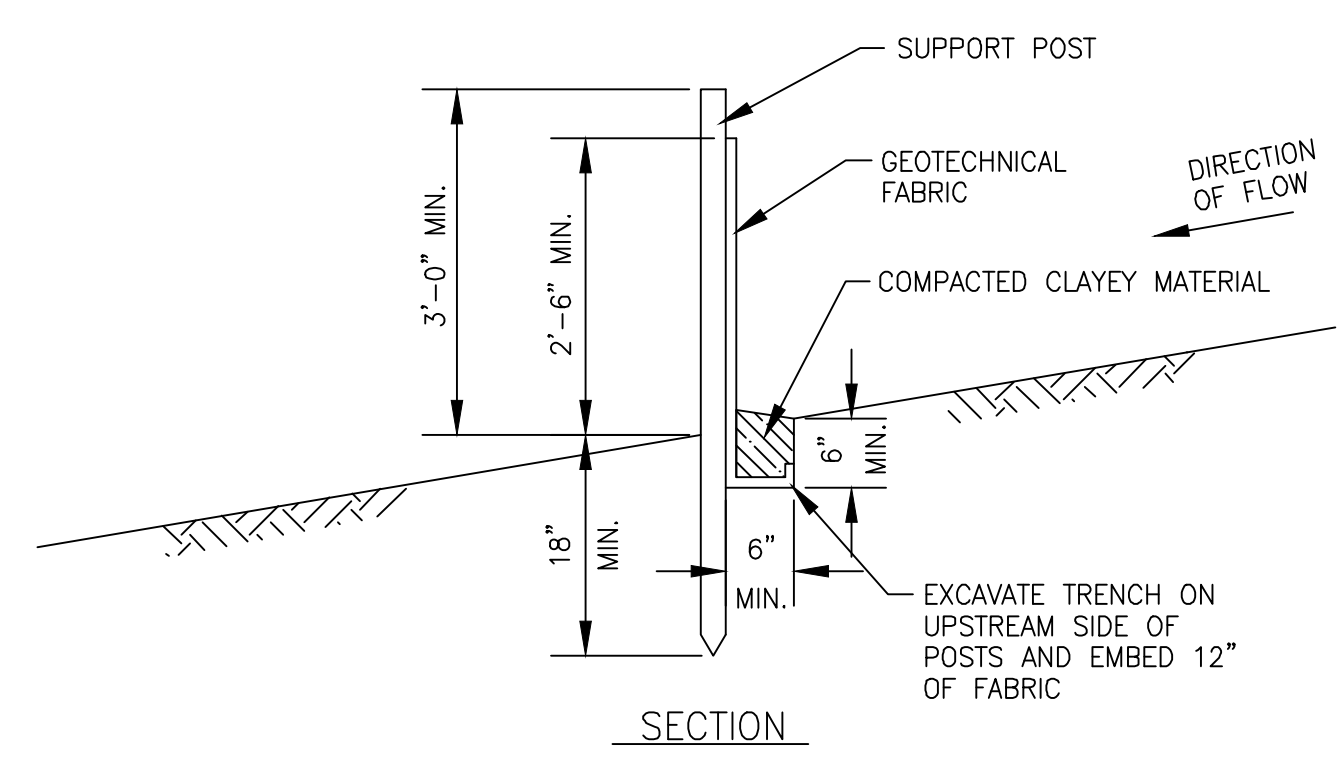
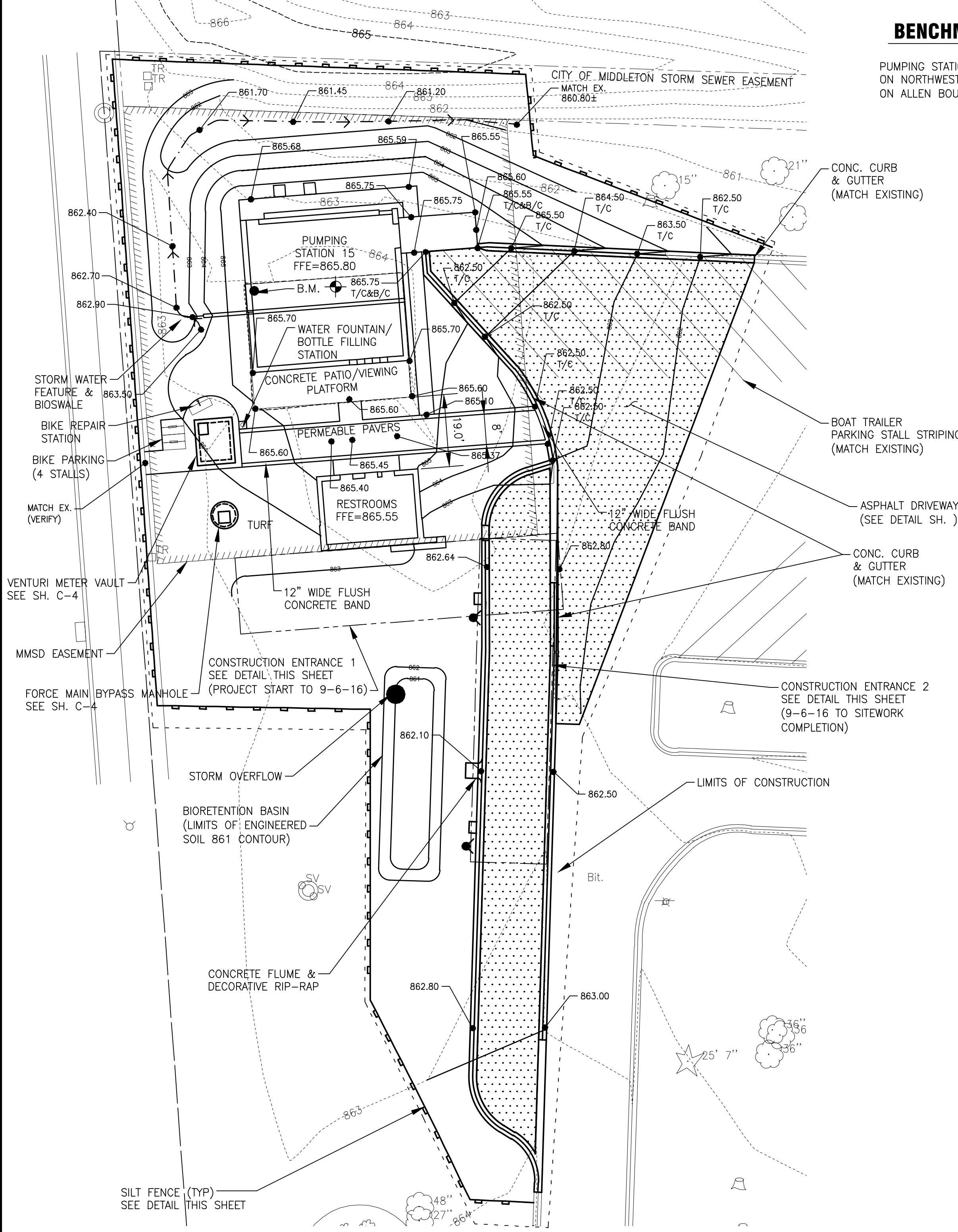




SCALE: 1" = 20'

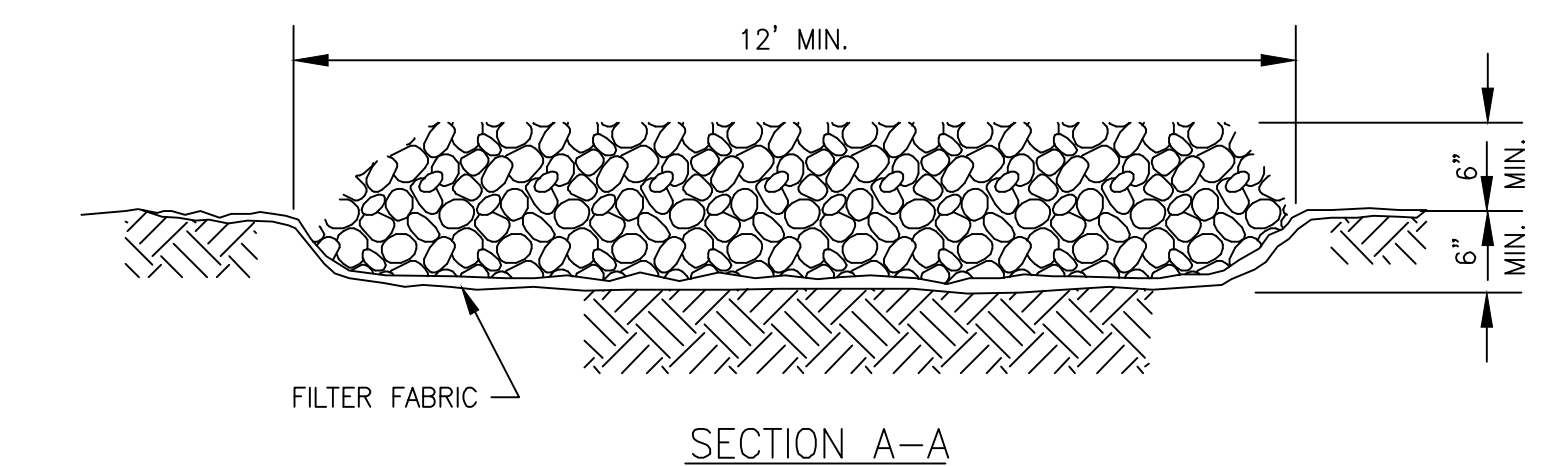
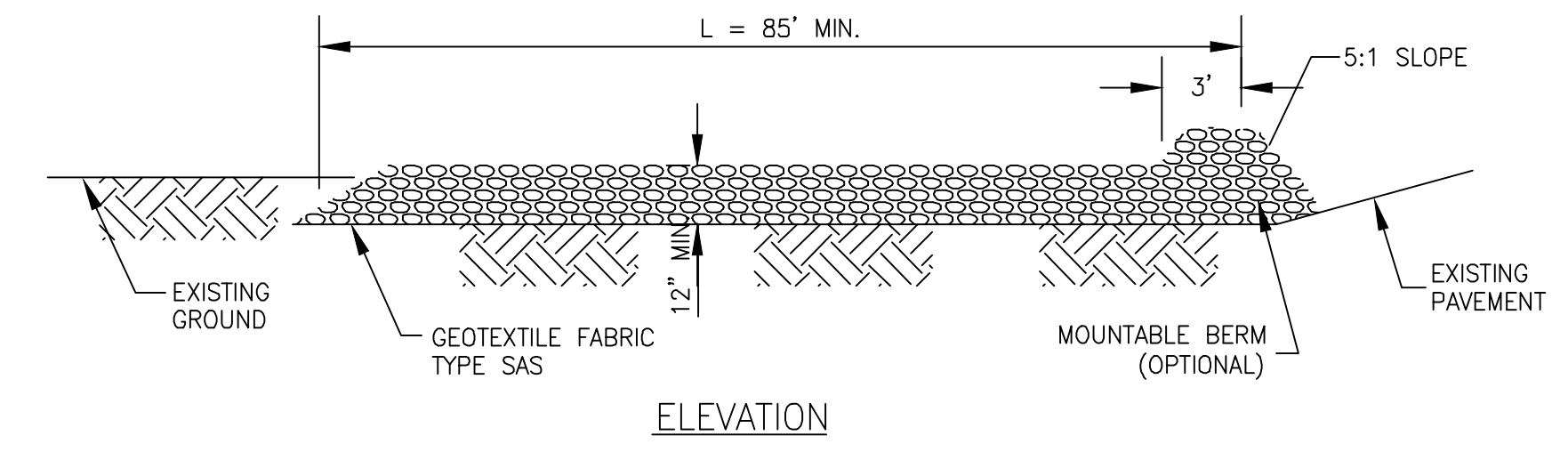
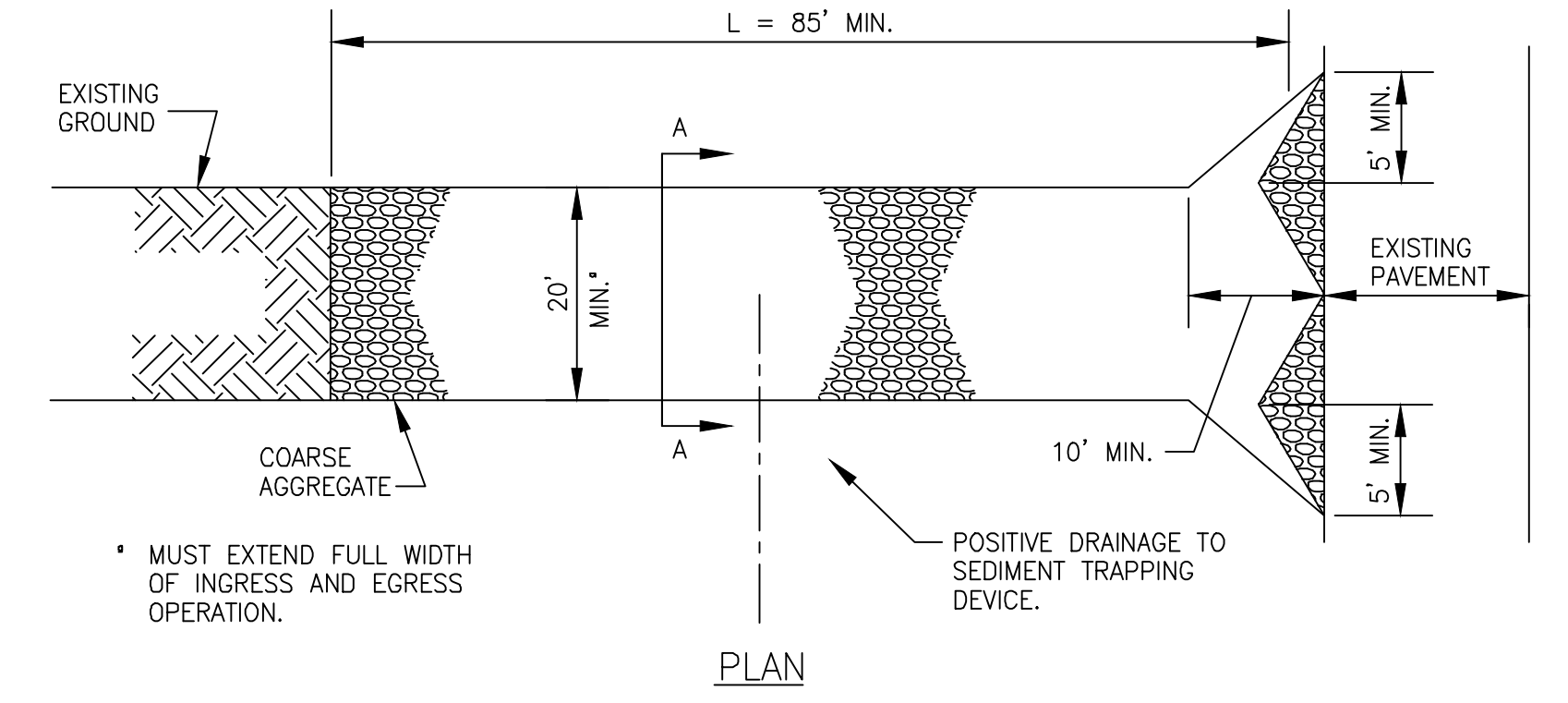
### BENCHMARK

PUMPING STATION 15 BENCHMARK:  
ON NORTHWEST CORNER OF PUMPING STATION 15 FOR MMSD AT MARSHALL PARK  
ON ALLEN BOULEVARD - EL. 865.25'



SECTION  
ELEVATION  
SILT FENCE DETAIL  
NO SCALE

NOTE:  
SILT FENCE INSTALLATION SHALL  
COMPLY WITH AASHTO STANDARD  
SPECIFICATION 288-00.



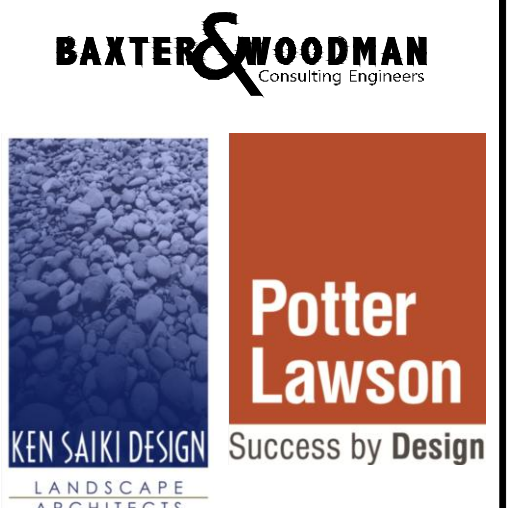
PLAN  
ELEVATION  
SECTION A-A  
STABILIZED CONSTRUCTION ENTRANCE  
SCALE: NONE

GENERAL NOTES:  
1. AGGREGATE SHALL BE 3 TO 6 INCH CLEAR OR WASHED STONE WITH ALL MATERIAL RETAINED ON 3-INCH SIEVE.

### SEDIMENTATION AND EROSION CONTROL NOTES

- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE.
- TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN 15 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE. PERMANENT STABILIZATION SHALL BE DONE WITHIN 15 DAYS AFTER COMPLETION OF FINAL GRADING OF THE SOIL.
- ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED, OR OTHERWISE TREATED TO REMOVE SEDIMENT.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
- ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION.

CONSULTANTS



NO.	DATE	DESCRIPTION
	12/18/15	LAND USE SUBMITTAL

REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWING

PLAN SHEET DESIGNATION	
COVER	
G	GENERAL
C	CIVIL
L	LANDSCAPING
D	DEMOLITION
A	ARCHITECTURAL
S	STRUCTURAL
M	MECHANICAL
P	PLUMBING
H	HVAC
E	ELECTRICAL
I	INSTRUMENTATION

PROJECT NO:	140963
SCALE:	AS NOTED
DRAWING DATE:	
DESIGNED BY:	JWM
DRAWN BY:	TLB
CHECKED BY:	JEK

CLIENT  
**MADISON METROPOLITAN SEWERAGE DISTRICT**  
**MADISON, WISCONSIN**

Madison Metropolitan Sewerage District

**PUMPING STATION 15 REHABILITATION**

SHEET TITLE  
**SITE PLAN & EROSION CONTROL PLAN**

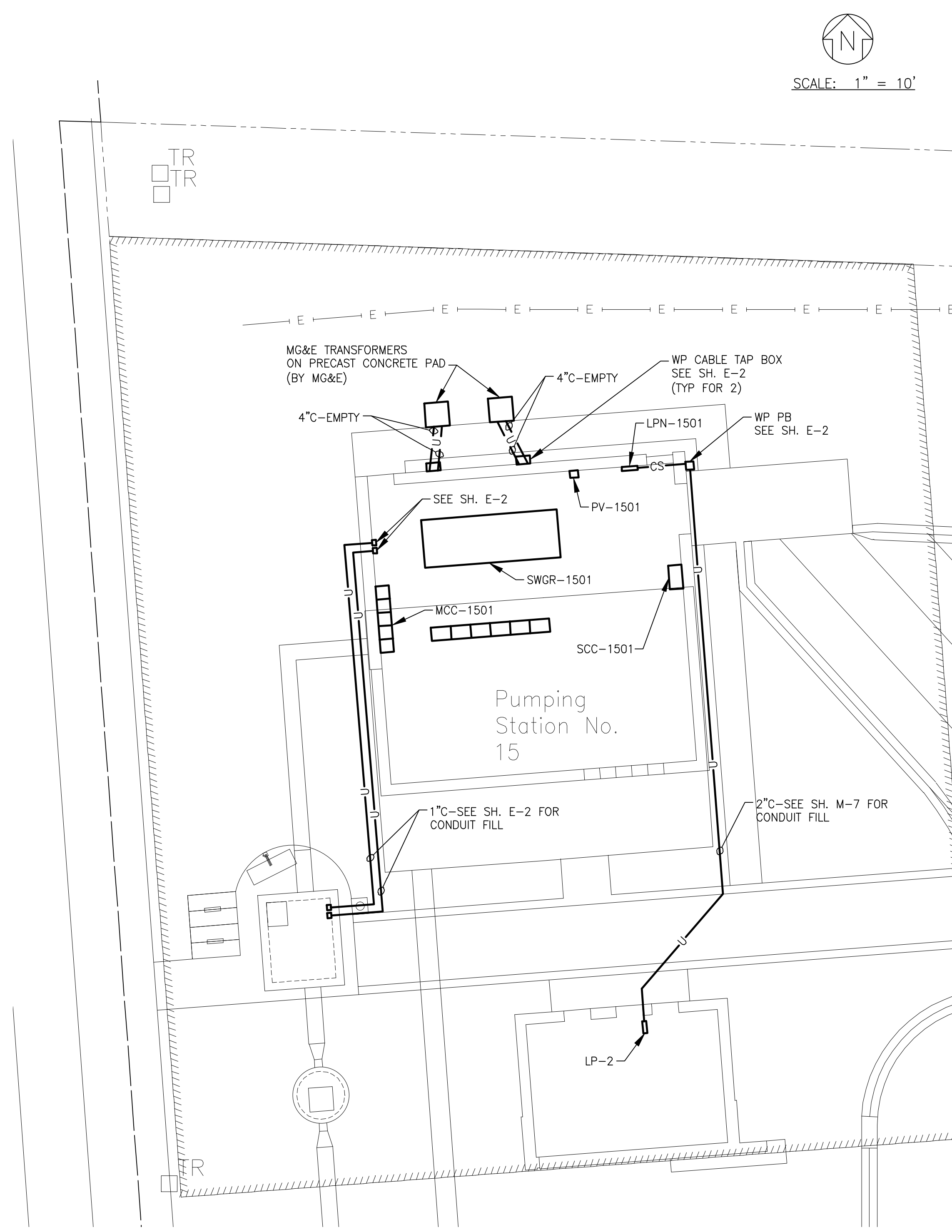
I:\BURLINGTON\MMSD\140963-PS 15\CADD DRAWINGS\DWG\40 - CURRENT\140963 - TOPO - CSD 2012.DWG SITE PLAN  
Plotted: 12/17/2015 3:58 PM By: 42TLB  
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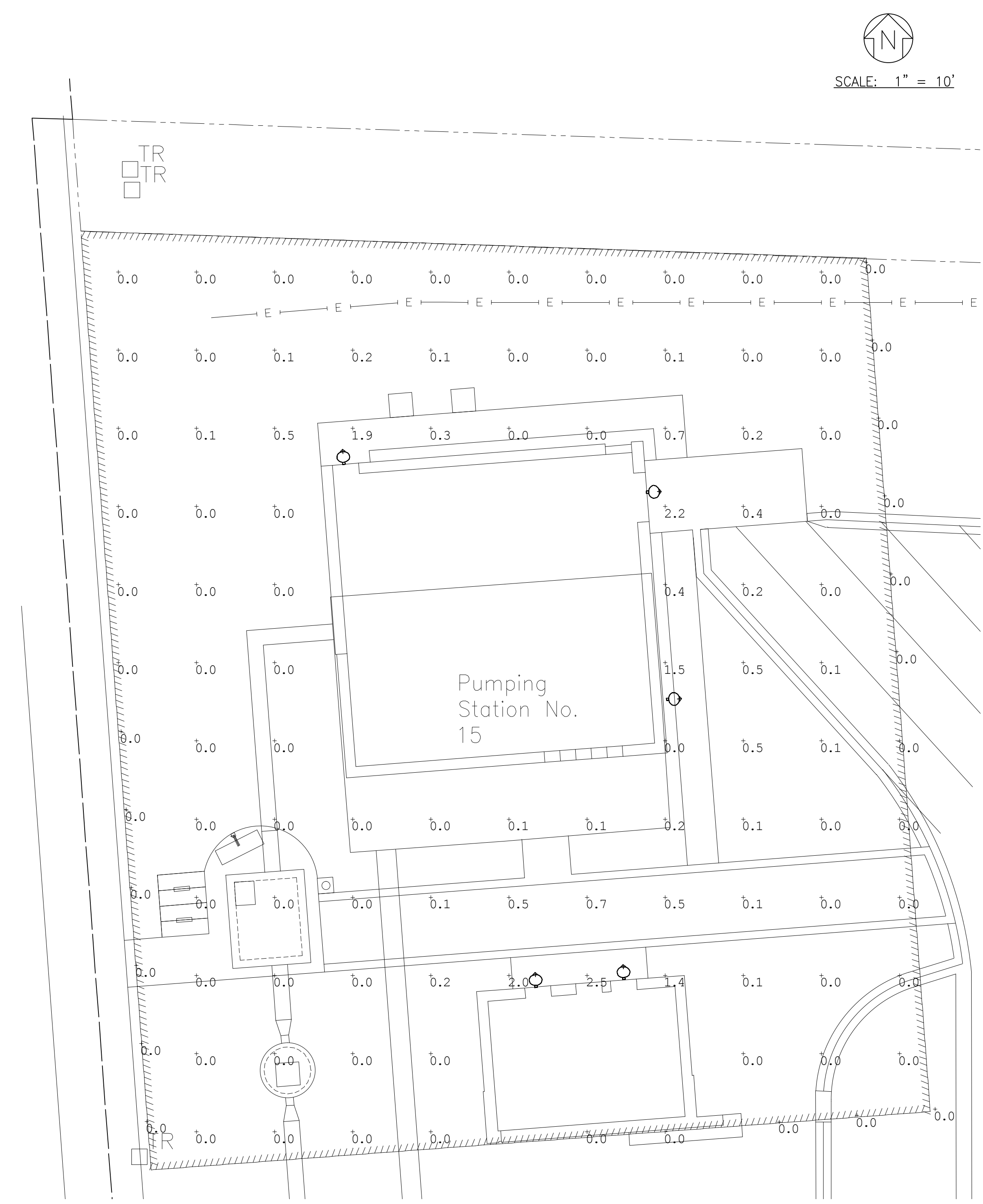


I:\BURLINGTON\MAUSD\140963-PS 15\CADD\DRAWINGS\DWG\40 - CURRENT\140963 - TOPO - CSD 2012.DWG ELECTRICAL SITE PLAN  
 Plotted: 12/17/2015 3:58 PM By: 42TLB  
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**ELECTRICAL SITE PLAN**

SCALE: 1" = 10'



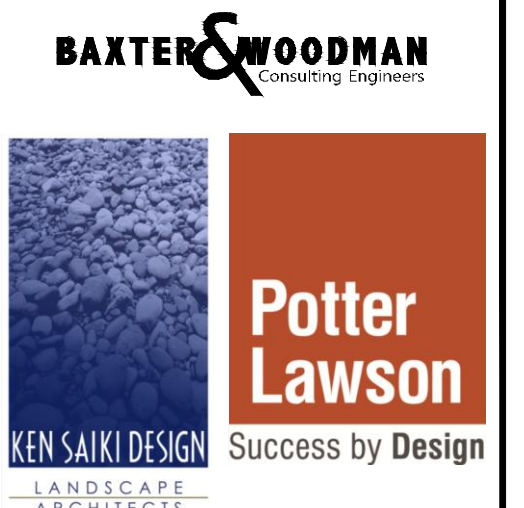
**SITE LIGHTING CALCULATIONS**

SCALE: 1" = 10'

NOTE:  
 1. COORDINATE INSTALLATION OF NEW ELECTRICAL SERVICE WITH MG&E.

NOT FOR BIDDING

CONSULTANTS



NO.	DATE	DESCRIPTION
	12/18/15	LAND USE SUBMITTAL

REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWING

PLAN SHEET DESIGNATION

C	COVER
G	GENERAL
C	CIVIL
L	LANDSCAPING
D	DEMOLITION
A	ARCHITECTURAL
S	STRUCTURAL
M	MECHANICAL
P	PLUMBING
H	HVAC
E	ELECTRICAL
I	INSTRUMENTATION

PROJECT NO:	140963
SCALE:	AS NOTED
DRAWING DATE:	
DESIGNED BY:	ARH
DRAWN BY:	TLB
CHECKED BY:	JEK

CLIENT  
**MADISON METROPOLITAN SEWERAGE DISTRICT**  
**MADISON, WISCONSIN**

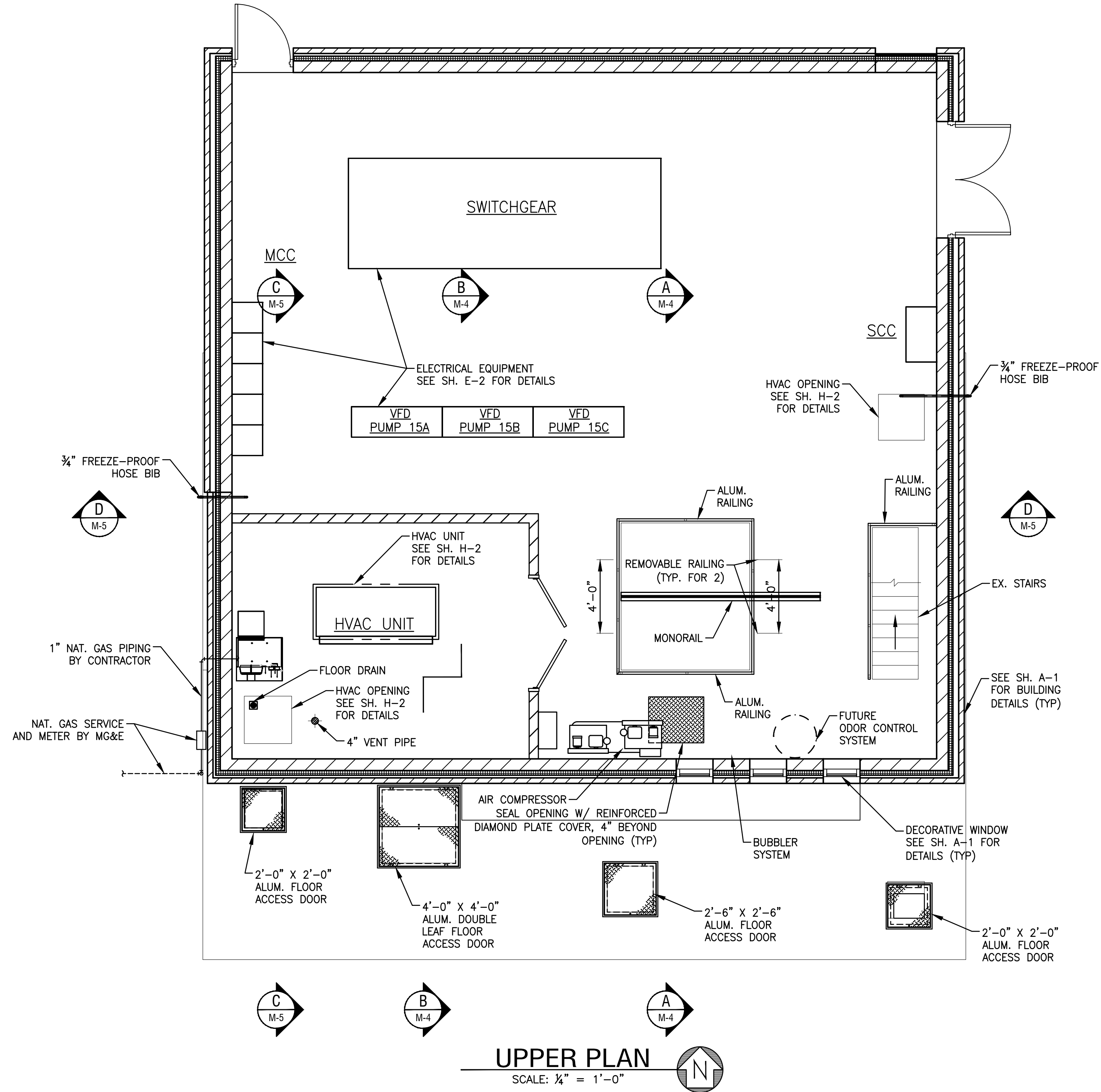


**PUMPING STATION 15 REHABILITATION**

SHEET TITLE  
**ELECTRICAL SITE PLAN AND SITE LIGHTING CALCULATIONS**



I:\BURLINGTON\MAVSD\140963-PS 15\CADD\DRAWINGS\DWG\PUMPING STATION 15\SHEETS\UPPER PLAN - MECHANICAL.DWG 30 UPPER PLAN - MECHANICAL  
 Plotted: 12/17/2015 3:48 PM By: 42TLB  
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**UPPER PLAN**  
 SCALE: 1/4" = 1'-0"

**NOTE:**  
 ALL FLOOR ACCESS DOORS TO BE FLUSH WITH NEW CONCRETE FLOOR TOPPING.

CONSULTANTS



NO.	DATE	DESCRIPTION
	12/18/15	LAND USE SUBMITTAL
* - REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWING		

**PLAN SHEET DESIGNATION**

C	COVER
G	GENERAL
C	CIVIL
L	LANDSCAPING
D	DEMOLITION
A	ARCHITECTURAL
S	STRUCTURAL
M	MECHANICAL
P	PLUMBING
H	HVAC
E	ELECTRICAL
I	INSTRUMENTATION

PROJECT NO:	140963
SCALE:	AS NOTED
DRAWING DATE:	
DESIGNED BY:	JWM
DRAWN BY:	TLB
CHECKED BY:	JEK

**CLIENT**

**MADISON METROPOLITAN SEWERAGE DISTRICT**  
**MADISON, WISCONSIN**

**PUMPING STATION 15**  
 Madison Metropolitan Sewerage District

**PUMPING STATION 15 REHABILITATION**

**SHEET TITLE**

**UPPER PLAN - MECHANICAL**

**M-3**  
 38 OF 59

NOT FOR BIDDING



**Letter of Intent-City of Madison Planning Commission**

**Pumping Station 15  
2115 Allen Boulevard**

Madison Metropolitan Sewerage District  
December 18, 2015

**Project Team**

The project design team includes Baxter & Woodman (Lead), Potter Lawson, Inc. (Architect), Ken Saiki Design (Landscape Architecture), Sustainable Engineer Group (Solar Panel Design), Karen Kabbes (ISI Envision Coordinator), CGC, Inc. (Geotechnical) and MMSD District staff. Key personnel for each team are shown in Table 1.

**TABLE 1**

**Project Design Team**

<b>Firm</b>	<b>Person</b>	<b>Role</b>
<b>Baxter &amp; Woodman, Inc. (Lead)</b>	Jim Kleinschmidt	Overall Project Manager
	Amanda Heller	Project Engineer
	Adam Stec	Structural Engineer
	Lee Rita Rigos	Controls
	Elizabeth Quimby	Electrical Engineer
<b>Potter Lawson, Inc (Architect)</b>	Doug Hursh	Project Manager
	Andy Laufenberg	Project Architect
<b>Ken Saiki Design(Landscape Architect)</b>	Nik Swartz	Landscape Architect
<b>Karen Kabbes Engineering (ISI Envision Coordinator)</b>	Karen Kabbes	ISI Envision
<b>CGC, Inc (Geotechnical)</b>	Bill Wuellner	Geotechnical Engineering
<b>Sustainable Engineering Group</b>	Jon Evans	Solar Panel Design
	Andy DeRocher	Solar Panel Design



<b>Firm</b>	<b>Person</b>	<b>Role</b>
<b>Madison Metropolitan Sewerage District</b>	Erik Rehr	Project Manager
	Michael Mucha	Chief Engineer
	Bruce Borelli	Director of Engineering
	Claudia Haack	Director of Sustainable Asset Management
	Dave Lundey	Electrical Construction Supervisor
	John Bembinster	Electrical Engineer

### **Existing Conditions and Project Description**

The pumping station is located within an easement in the northwest corner of Marshall Park on the far west site boundary between Madison and Middleton. The current station is mostly underground and extends about 24" above the grade. There is also a large external transformer and switch gear on the site for the station.

The original pumping station was built in 1974 and serves Madison, Middleton, and the town of Westport. The station operates on a continuous basis every day of the year. The proposed project will create a pumping station superstructure to house electrical and HVAC equipment. A building addition will also be constructed to the north of the existing pumping station. The new structure will house new electrical and mechanical equipment needed to upgrade and renovate the existing pump station. Restrooms are also included in the project. The restrooms will be owned and maintained by the City of Madison Parks Department but funding for the project will be provided by the Madison Metropolitan Sewerage District. There will also be an aquatic invasive species control center to allow boaters to remove materials from their boats prior to leaving Marshall Park.

The design process has followed the Institute for Sustainable Infrastructure (ISI) Envision guidelines and has taken into consideration community needs. A bike repair station will be located near the Allen Boulevard bike as an amenity for bikers; also a new sidewalk connection from the bike path will provide an accessible route to the bike station, pump station building, and Marshall Park. The restrooms and Aquatic Invasive Species Control Center were added after public comments requesting both project elements.

A public meeting was held on July 14, 2015 in Marshall Park. Alders for both Madison and Middleton were present in addition to about 20 members of the public. Presentations were made by the Design Team and were followed by questions from the public in attendance. The most overwhelming request was to provide better access to restrooms in Marshall Park and to provide an aquatic invasive species control center. After negotiations between the City of Madison Parks and Madison Metropolitan Sewerage District, the District agreed to finance and facilitate the construction of the restrooms. Upon completion of the restrooms and the aquatic invasive species control center, the District will deed these over to the City of Madison who will be responsible for the ongoing maintenance of these facilities. The restrooms will be open from 7 AM to 10 PM from about April 15<sup>th</sup> to November 15<sup>th</sup>.

As part of the MMSD's mission to protect water (groundwater and surface water), a green roof, bio swale/dry stream bed, bioretention basin, and permeable pavers are used to manage storm water runoff on-site. Runoff from the restrooms and the Aquatic Invasive Species Control Center will drain to a bioretention basin where the runoff can be temporarily staged and allowed to infiltrate back into the soil. The built storm water management control features are designed to enhance the site while showcasing the District's commitment to water quality.

Some minor grading will occur on the west and north sides of the pump station building to enhance and integrate the bio swale/dry stream bed with existing site drainage patterns. Invasive species within the MMSD easement will be eradicated during the site clearing and re-grading process and restored with a low-maintenance turf. Proposed plantings consist of native and native cultivar trees, shrubs and perennials that will provide multi-seasonal interest. The proposed species have been carefully selected to ensure a low-maintenance landscape that will require minimal supplemental water or fertilizer which is consistent with ISI Envision Guidelines and MMSD's mission of protecting water resources.

Indigenous and locally sourced decorative stone in the form of accent boulders, cobbles, and mulch will be concentrated around roof scuppers while directing runoff to the storm water management feature to dissipate concentrated roof runoff volumes and provide filtration, cooling, and temporary staging of runoff while directing runoff to the storm water management features. Decorative stone material will also be integrated throughout the site to create a holistic landscape composition.

The sloped roof allows for translucent clerestory panels that allow daylight into the both the pumping station and the restrooms. Windows will be provided along the south side of the building to allow people to see the inner workings of the facility.

The building will include photovoltaic panels to generate about 8kW of power at full sun. This will provide about 30 percent of the required kW to operate one of the pumps in PS 15. The sloped roof on both the Pumping Station and restrooms allow for translucent clerestory panels that allow daylight into the facility. Windows will be provided along the south side of the building to allow people to see the inner workings of the facility. There will be a station status display for visitors to view. An informational kiosk will also be provided for educational purposes. If approved by the County, we will also likely have a bike trail map located near the bike station.

The site development was designed to minimize the elimination of critically needed boat trailer parking in Marshall Park. Design features were included to maintain the existing boat trailer parking stalls and minimize the exposure of the pumping station to boat trailer parking. Equipment for the station will be removed from the building using the double door entrance on the east side of the building along with the concrete pad extension.

The building materials will be durable and cleanable. The walls are constructed of burnished concrete blocks in a range of warm neutral colors to create a subtle range similar to natural stone. Cement board and composite wood siding will be used for the clerestory and roof fascia.

The project is expected to create 27,000 hours of work for both contractors and consulting engineers. There will be no additional full time equivalent jobs created by this project.

Figures 1 and 2 show the existing location of PS 15 in relation to Marshall Park.

**FIGURE 1**

**MMSD PS 15-Allen Boulevard towards Marshall Park**



**FIGURE 2**

**Relationship of MMSD PS 15 to Marshall Park**



## -Project Schedule

Table 2 shows the proposed bidding and construction schedule for PS 15.

**TABLE 2**

**Bidding and Construction Schedule-PS 15**

<b>Urban Design Commission Information Meeting</b>	<b>August 12, 2015</b>
<b>City of Madison Planning Commission Submittal</b>	<b>December 21, 2015</b>
<b>Submittal to Madison Parks</b>	<b>December 21, 2015</b>
<b>Madison Parks Commission Meeting</b>	<b>January 13, 2016</b>
<b>Urban Design Commission Meeting</b>	<b>February 10, 2016</b>
<b>Madison Plan Commission Meeting</b>	<b>February 22, 2016</b>
<b>City Council Approval-Conditional Use Permit</b>	<b>March 1, 2016</b>
<b>Advertise Project for Bids</b>	<b>March 1, 2016</b>
<b>Open Bids</b>	<b>March 31, 2016</b>
<b>Project Award-Contractor</b>	<b>April 14, 2016</b>
<b>Construction Begins</b>	<b>May 2016</b>
<b>Project Erosion Controls Completed</b>	<b>May 31, 2016</b>
<b>Building Addition Foundation</b>	<b>August 31, 2016</b>
<b>Meter Vault and Force Main Connection Manhole</b>	<b>August 31, 2016</b>
<b>Site Work and Paving (Binder Course Only)-Start Date</b>	<b>September 6, 2016</b>
<b>Bathroom Construction</b>	<b>October 31, 2016</b>
<b>Site Work and Paving (Binder Course Only)</b>	<b>October 31, 2016</b>
<b>Pumping Station Building Completion</b>	<b>December 2016</b>
<b>Final Paving</b>	<b>May 31, 2017</b>
<b>Project Completion</b>	<b>September 30, 2017</b>

## **Building Sizes, Lot Coverage, Estimated Project Cost and Bike Stalls**

The Pumping Station will be 1,650 square feet while the restrooms will be 380 square feet. The easement for PS 15 is 21,000 square feet. A portion of the construction will take place outside of the easement in both Marshall Park as well as in the City of Middleton storm sewer easement. The estimated project cost including the restrooms is \$3,800,000. The bike station will be provided with 4 stalls for bike parking.



# RUBIX - model: WS-W2504, WS-W2505

LED Wall Mount

# WAC LIGHTING

Responsible Lighting®



Fixture Type:

Catalog Number:

Project: \_\_\_\_\_

Location: \_\_\_\_\_

## PRODUCT DESCRIPTION

Available in single- and twin-light configurations, this die cast aluminum LED wall luminaire is wet location listed for a broad range of exterior lighting applications. Designed with a square profile, this version of Rubix mounts upwards or downwards.

## FEATURES

- Energy Star® rated
- CEC Title 24 Compliant
- Mounts up or down
- IP65 Rated, ETL & cETL Wet Location Listed
- Die-Cast Aluminum Construction
- Universal Voltage Input (120V - 277V)
- Dimming: ELV (120V) or 0-10V

## SPECIFICATIONS

**Construction:** Aluminum with etched glass.

**Power:** Integral driver in luminaire. 120V - 277V input.

**Light Source:** High output LED

**Mounting:** Mounts directly to junction box

**Dimming:** 0-10V Dimming: 100%-10%

ELV Dimming: 100%-15% (120V only)

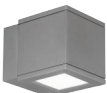

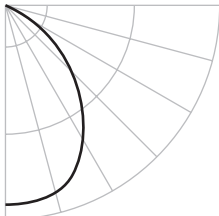


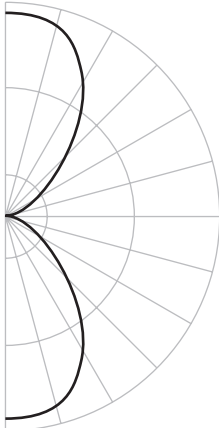

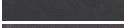


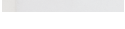
**Finish:** Brushed Aluminum (AL), Black (BK), Bronze (BZ), Graphite (GH), White (WT)

**Color Temp:** 3000K

**CRI:** 90

**Rated Life:** 70,000 hours

**Standards:** Energy Star® rated, IP65 Rated, ETL & cETL Wet Location Listed, CEC Title 24 Compliant, Dark Sky Friendly.

	Beam	Photometry	Voltage	Watt	Lumens	Finish
 <p>Single Light</p>  <p><b>WS-W2504</b> Dark Sky Friendly 86° Energy Star®</p>			120V - 277V	16W	750	
 <p>Double Light</p>  <p><b>WS-W2505</b> 86°</p>			120V - 277V	30W	1400	<p><b>AL</b> Brushed Aluminum </p> <p><b>BK</b> Black </p> <p><b>BZ</b> Bronze </p> <p><b>GH</b> Graphite </p> <p><b>WT</b> White </p>

-

Example: **WS-W2504-GH**

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