



Department of Public Works
Engineering Division
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Hydrogeologist
Brynn Bemis

March 24, 2014

NOTICE OF ADDENDUM
ADDENDUM NO. 1
CONTRACT NO. 7206

STATE STREET RECONSTRUCTION
ASSESSMENT DISTRICT 2014

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

BID PLANS:

REMOVE

Remove Sheets SD2 through SD9 (LEAF Sculpture & LEAF Lighting details)

INSERT

Insert Sheet S45 (New 3/19/14) – Details for Cast-In-Place Concrete Wall construction surrounding LEAF foundation

Insert Sheet W10 (New 3/21/14) – Detail for BID ITEM 90272 WATER METER PIT ACCESS RELOCATION

REPLACE

Replace Sheet 2 (Revised 3/21/14) – General Notes, updated MG&E contact and alignment overview.

Replace Sheet P7 (Revised 3/18/14) – Updated granite paver pattern detail.

Replace Sheet P8 (Revised 3/24/14) – Updated opening size for pedestrian light and tree grate in tree pit slab.

Replace Sheet SG1 (Revised 3/21/14) – Updated grades & added notes for tree protection & water meter pit access relocation.

Replace Sheet S4 (Revised 3/21/14) – Added callouts for Seat Wall with Precast Cap in planter condition.

Replace Sheet S11 (Revised 3/21/14) – Added detail for the Sidewalk Drain installation.

Replace Sheet S19 (Revised 3/21/14) – Remove clear stone & plant mix from back of wall along Library Mall

Replace Sheet S21 (Revised 3/20/14) – Modified detail for wood cantilever seating.

Replace Sheet S25 (Revised 3/18/14) – Updated Wood Decking @ LEAF Base detail – matched shape of

LEAF base.

Replace Sheet S26 (Revised 3/21/14) – Added detail for Seat Wall with Precast Cap in planter condition.

Replace Sheet PL1 (Revised 3/19/14) – Added limits for Bark Mulch item.

Replace Sheet PL2 (Revised 3/19/14) – Added limits for Bark Mulch item.

Replace Sheet PL6 (Revised 3/18/14) – Updated planting detail – added depth of mulch (3”).

Replace Sheet PL7 (Revised 3/18/14) – Updated tree planting detail – added Geotextile Fabric Type DF.

Replace Sheet STM11 (Revised 3/20/14) – Add remove sewer access structure.

Replace Sheet STM14 (Revised 3/20/14) – Add remove sewer access structure.

Replace Sheet STM 15 (Revised 3/21/14) – Add casting type for Fitch Court inlet (structure 10.2).

Replace Sheet W7 (Revised 3/21/14) – Add call out for WATER METER PIT ACCESS RELOCATION item.

BID SPECIFICATIONS:

REMOVE

Remove BID ITEM: 90169 FURNISH AND INSTALL WATER METER VAULT CASTING LID

Remove BID ITEM: 90266 LEAF SCULPTURE

Remove BID ITEM: 90267 LEAF ELECTRICAL

INSERT

Insert into Section 105.12 COOPERATION BY THE CONTRACTOR

The University Book Store, 711 State Street, has plans to complete entrance and building modifications to their store on State Street. This work may include excavation, mortared stone wall removal, cast in place concrete wall, cast in place concrete stair, and railing construction. The limits of this work are approximately Station 1157+70 RT to 1158+20 RT and will require access to Lake Street. The Contractor shall coordinate the work efforts and construction staging with The University Book Store and their contractor.

The approved final plans for this contract include the LEAF sculpture as developed by Jill Sebastian and engineered by Pierce Engineers. The sculpture is estimated to be 35' in height and up to 35' in width and will be constructed of stainless steel. The LEAF sculpture's concrete foundation will be constructed with this contract, including providing electrical service through the foundation to the location of the LEAF sculpture base. The LEAF fabricator will supply the required anchor bolts. The Contractor shall coordinate delivery of the anchor bolts to meet the Contractor's schedule for completing the foundation. The LEAF sculpture, including lighting elements, will be fabricated and installed under a separate contract. The Contractor shall notify the LEAF installation contractor when the project site is available for installation of the LEAF. The installation will require equipment capable of erecting the LEAF sculpture to its estimated height of 35'. Maintenance of pedestrian walkways is required during installation of the LEAF thus the Contractor shall coordinate schedules when contract work is sufficiently complete to maintain traffic in other locations. The LEAF shall be installed prior to November 1, 2014.

Insert into Section 301.4 EXPANSION JOINT FILLER:

Expansion joint filler material shall be gun grade Sonolastic NP 1 urethane as manufactured by Sonneborn or an approved equal. The color shall match the adjoining work and shall be approved by the Engineer.

Insert BID ITEM: 90272 WATER METER PIT ACCESS RELOCATION

DESCRIPTION

This special provision describes removing and sealing off the existing manhole access point on the northeast corner of the water meter pit and installing a new manhole access point in the southeast corner. Removal shall be performed according to the State of Wisconsin Standard Specifications, Section 204, Removing or Abandoning Miscellaneous Structures

MATERIALS

Furnish materials conforming to the following sections of the State of Wisconsin Standard Specifications:

<i>Concrete.</i>	<i>Section 611</i>
<i>Bar Steel Reinforcement HS.</i>	<i>Section 505</i>
<i>Rubberized Membrane Waterproofing.</i>	<i>Section 516</i>
<i>Structure Backfill.</i>	<i>Section 210</i>

Furnish a Neenah Foundry R-1916-K or an approved equal.

Furnish all other materials conforming to the City of Madison standard specifications.

CONSTRUCTION

Remove the existing northeast access point down to the construction joint at the top of the top slab and close the opening with a concrete cap as shown on the plans. Sawcut and remove the top slab to provide room for construction of the new southeast access point. Reconstruct the top slab as shown in the plans and as hereinafter described. Sawcut the bottom of the top slab at the removal joint 1/2" deep and chip clean to provide a straight edge to patch any irregular breakout areas. Salvage existing bar steel for incorporation into the new top slab.

Construction shall be in accordance with the pertinent sections of the standard specifications as listed for each material.

Remove, salvage, and replace conduits, wires, and lights as needed to remove and replace the top slab as shown on the plans. Relocate the light switch so that it is accessible from the new access point. If any new lighting fixtures or switches are installed they must be armored and explosive proof per City of Madison Standard Detail Drawing 7.06 (a-c) on the City of Madison's website: <http://www.cityofmadison.com/business/PW/specs.cfm>.

Install steps at the new access location in accordance with the City of Madison standard manhole steps.

Install and seal the Neenah Foundry R-1916-K or an approved equal at the location as specified in the plans and in accordance to the City of Madison Standard Detail Drawings 7.06 (a-c), and the manufacturer's installation instructions.

All excavated areas around and above the water meter pit shall be backfilled with structure backfill or other granular material as approved by the engineer. Do not backfill until top slab has reached its 28-day strength.

METHOD OF MEASUREMENT

Water Meter Pit Access Relocation shall be measured as a single lump sum unit acceptably completed.

BASIS OF PAYMENT

Water Meter Pit Access Relocation, measured as stated above, is full compensation for providing all labor and materials including structure backfill, concrete, bar steel reinforcement HS, anchors, rubberized membrane waterproofing, access door and hardware, drainage piping, conduit, light fixtures, switches, manhole steps, sawcuts, removal work, and disposal of all removal material; for all excavating and backfilling; for placing, finishing, protecting, and curing; and for restoring the work site.

Insert BID ITEM: 90273 SHREDDED BARK MULCH:

DESCRIPTION

This work shall be in accordance with the requirements of Article 209 of the City of Madison standard specifications for public works construct, except as stated herein.

MATERIALS

3" of Shredded Hardwood Bark Mulch shall cover the entirety of the tree root ball area, planting bed area or as shown in the working drawings. Bark shall be free from deleterious materials. The bark size range shall be 3 inches maximum, 1/2 inch minimum. The color shall be the parent material's natural color and not dyed. Submit sample to Landscape Architect for approval prior to installation.

CONSTRUCTION

Apply 3-inch average thickness of organic mulch over whole surface of planting area, and finish level with adjacent finish grades. Do not place mulch within 3 inches of trunks or stems of woody plant material. Mulch shall not cover plant material root flares. Place mulch around the base of herbaceous perennials, vines, and groundcovers per working drawings. Back-rake mulch beds to provide a uniform smooth coverage.

Remove surplus mulch material, trash and debris and legally dispose of them off the Owner's property.

METHOD OF MEASUREMENT

Mulching shall be measured by the square yard installed and accepted.

BASIS OF PAYMENT

Shredded Bark Mulching, measured as provided above, will be paid for at the contract unit price per square yard of mulch coverage which price shall be full compensation for furnishing and placing shredded bark mulch; and for all labor, equipment, tools and incidentals necessary to complete the work in accordance with the contract.

Insert BID ITEM: 90274 UNDERDRAIN 6-INCH

DESCRIPTION

This work shall consist of furnishing and installing 6-inch underdrain in accordance with the Section 201 of the Standard Specifications.

METHOD OF MEASUREMENT

Underdrain 6-Inch will be measured by the linear foot installed and accepted.

BASIS OF PAYMENT

Underdrain 6-Inch, measured as provided above, will be paid for at the contract unit price, which price shall be payment for furnishing and installing underdrain pipe, pipe fittings and pipe connections; and all materials, equipment, labor, disposal of excess materials, and incidentals necessary to complete this item of work.

Insert BID ITEM: 90275 GEOTEXTILE FABRIC TYPE DF

DESCRIPTION

This work shall consist of furnishing and installing Geotextile Fabric, Type DF in accordance with Section 645 of the State of Wisconsin Standard Specifications.

METHOD OF MEASUREMENT

Geotextile Fabric Type DF will be measured by the square yard installed and accepted.

BASIS OF PAYMENT

Geotextile Fabric Type DF, measured as provided above, will be paid for at the contract unit price, which price shall be payment for furnishing and installing the fabric, and for all equipment, labor, disposal of excess materials, and incidentals necessary to complete the work.

MODIFY

Modify SECTION 107.7 MAINTENANCE OF TRAFFIC

Replace Park Street – Stage 2B description to match the calendar days allowed in ARTICLE 109 PROSECUTION AND PROGRESS as follows:

Park Street - Stage 2B

Close Park Street to through traffic and close the west sidewalk on Park Street. Close the north sidewalk on Bascom Mall. Park Street may be closed for a maximum of ~~70~~ 60 calendar days. The Contractor shall not close Park Street prior to May 19, 2014 and shall reopen Park Street prior to August 22, 2014.

Modify BID ITEM 90033 – STORM SEWER TAP BOX CULVERT SPECIAL

MATERIALS

Add:

- *Furnish R-1550 -0054 casting frame and lid in accordance with Section 507.2 of the Standard Specifications*

Modify BID ITEM 90036 – SIDEWALK DRAIN

METHOD OF MEASUREMENT

Revise: ~~Trench~~ *Sidewalk* Drain shall be measured by linear foot as installed in the field.

BASIS OF PAYMENT

Revise: ~~Trench~~ *Sidewalk* Drain shall be measured as described above which shall be full compensation for all work and materials; including concrete, reinforcement, PVC pipe, pipe taps, concrete casting, and incidentals to complete the work as described above.

Modify BID ITEM 90219 CONCRETE STEPS

CONSTRUCTION

Revise: Apply a water-based, siloxane/silane *penetrating* water repellant sealer 20 days after the steps have been poured or as recommended by the manufacturer.

BASIS OF PAYMENT

Revise: Concrete Steps, measured as stated above, is full compensation for providing all materials, including concrete, joint fillers, joint sealers, *penetrating water repellant sealer*, and expansion joints; for excavating and preparing the foundation; backfilling and disposing of surplus material; for placing, finishing, protecting, and curing the concrete; and restoring the work site.

Modify BID ITEM 90226 – CANTILEVER WOOD SEAT

MATERIALS

Revise: Black locust wood slats and bottom nose supplied by 'Midwest Black Locust' (www.midwestblacklocust.com, (832-800-4625), or approved equal.

Wood slats: kiln dried, 6/4, S1E, with radius edge as shown on Drawings.

Delete: Bottom rail: kiln dried. Milled and shaped as shown on Drawings. 4'-0" min length members.

Add: Bottom nose: kiln dried. Milled and shaped to fit tongue & groove with wood slats above and as shown on Drawings.

Add: 3/8" x 1.5" Black Locust Lath. Air-dried; Clear & straight grain; Free of knots, checks, and other imperfections.

Add: Exterior-Grade Waterproof Wood Glue. ASTM D-4236. TiteBond III or approved equal.

Modify BID ITEM 90230 – TREE GRATE

Revise:

MATERIALS

Tree grates shall be cast iron per ASTM A48 class 35b or better. Standard finish is raw cast grey iron. Tree grate shall be 60" diameter round tree grate, ADA compliant. Furnish angle frame and rebar. Casting shall be R-8871 from Neenah Foundry Co. P.O. Box 729, 2121 Brooks Ave. Neenah, WI 54957, 920-725-7000. Mulch shall be washed stone, 1 1/2" diameter, free of fines and organic matter. Furnish geotextile fabric type DF.

Revise:

CONSTRUCTION

Install tree grates according to manufacturer's instructions and as shown on the details to provide installation on a true, flat plane. Provide 3" depth of washed stone for the entire area of the tree grate. Separate the washed stone from the planting soil mixture with Geotextile Fabric Type DF.

The Contractor shall fill/plug the center tree hole of all grates that do not have trees in areas that are open to pedestrians as a result of the tree plantings not occurring until after opening the street to pedestrian traffic. The surface shall be level with the surface of the tree grate. The Contractor shall support the center of the tree grate for those that do not have trees to prevent them from being broken. Unsupported grates broken before tree planting occurs shall be the responsibility of the Contractor to replace.

Revise:

BASIS OF PAYMENT

This item, measured as provided above, will be paid for at the contract unit price each, which price shall be payment in full for furnishing, installing tree grates, geotextile fabric type DF, and washed stone; and for furnishing all labor, tools, equipment and incidentals necessary to complete this item of work.

Modify BID ITEM 90260 POSTING KIOSK

MATERIALS

Revise:

The State Street Logo shall be a routed aluminum disc with powder coat finish. The lettering and logos shall raised 1/8 inch from the background face.

BID ESTIMATE:

Action	Bid Item	Description	Original Quantity	New Quantity
REMOVE	20130	UNDERDRAIN	2,100 LF	0 LF
ADD	20217	CLEAR STONE	0 Ton	335 Ton
MODIFY	20311	REMOVE SEWER ACCESS STRUCTURE	10 Each	15 Each
REMOVE	90169	FURNISH AND INSTALL WATER METER VAULT CASTING LID	1 Each	0 Each

REMOVE	90266	LEAF SCULPTURE	1 LS	0 LS
REMOVE	90267	LEAF ELECTRICAL	1 LS	0 LS
ADD	90272	WATER METER PIT ACCESS RELOCATION	0 LS	1 LS
ADD	90273	SHREDDED BARK MULCH	0 SY	712 SY
ADD	90274	UNDERDRAIN 6-INCH	0 LF	2,100 LF
ADD	90275	GEOTEXTILE FABRIC TYPE DF	0 SY	1,650 SY

BID CLARIFICATION:**SHEET S21- CIRCULAR SEATING NODE PLAN ENLARGEMENT**

Paver soldier course units can be flat on the inner and outer edge. The other two sides should be cut on an angle to form the radius. Each soldier course unit will be cut on two sides.

BID ITEM 90225 WOOD DECKING AT LEAF BASE

Minimum length for wood decking is 8 feet (unless cut per design detail). Minimum width is 3 ½ inch.

BID ITEMS 90037 & 90038

It is anticipated that the existing castings be salvaged for reuse for both of these items. The link to Department of Facilities Development Specifications Section 33 40 00 is as follows:

http://www.doa.state.wi.us/dsf/mastspec_new.asp?locid=4

Colored Concrete Samples: It is the designer's intent that the supplier of the colored concrete will furnish pre-made samples from the color admixture supplier (or concrete supplier) in the quantity and size indicated in the specs (6 colors at 5 color saturations each). The City of Madison and Landscape Architect will select the color from these samples and then the Contractor will produce the mock up samples of the work using the selected color with a minimum batch size of 3 CY.

ALL SHEETS

-The Bid Plans show the LEAF sculpture for information purposes only. The LEAF sculpture's concrete foundation will be constructed with this contract, including providing electrical service through the foundation to the location of the LEAF sculpture base. The LEAF sculpture, including lighting elements, will be fabricated and installed under a separate contract. Coordination with the fabrication and installation Contractor is required.

Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on the Bid Express web site at:

<http://www.bidexpress.com>

March 24, 2014

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If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 receive the material by another route.

A handwritten signature in black ink, appearing to read "Robert Phillips". The signature is stylized with large, flowing loops for the first and last names.

Robert F. Phillips, P.E., City Engineer

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

GENERAL NOTES

ELEVATIONS SHOWN ON THIS PLAN ARE BASED ON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD88), AS PROVIDED BY THE CITY OF MADISON.

WHEN THE QUANTITY OF THE ITEMS OF BASE OR SURFACE COURSE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER OR AS DETAILED IN THE PLANS.

ALL LENGTHS ARE IN FEET EXCEPT AS SHOWN.

STORM SEWER LENGTHS ARE TO CENTER OF STRUCTURES.

INLET OFFSETS GIVEN TO CENTER OF STRUCTURE.

ELEVATIONS SHOWN ON THE STORM SEWER SHEETS ARE AT THE CENTER OF STRUCTURE. A MINIMUM 4 INCHES OF ADJUSTMENT RINGS REQUIRED EXCEPT AS NOTED ON STORM SEWER DETAILS.

MISCELLANEOUS REMOVAL ITEMS REQUIRING RESTORATION OF CONCRETE OR ASPHALTIC CONCRETE DRIVEWAYS, SIDEWALKS, OR SIDE STREETS SHALL BE REMOVED TO AN EXISTING JOINT OR SAWED AS DETERMINED BY THE ENGINEER, OR AS SHOWN ON THE PLANS.

EARTHWORK WASTE MATERIAL SHOWN ON THE EARTHWORK SUMMARY SHALL BE HAULED FROM THE PROJECT, EXCEPT AS DIRECTED BY ENGINEER.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FACE OF CURB.

THE CLEAR ZONE BEHIND CURB AND GUTTER IS 2 FEET FROM THE FACE OF THE CURB.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND ALL OTHER UTILITIES IN THE VICINITY OF THE PROJECT TO LOCATE THEIR FACILITIES AT LEAST 3 WORKING DAYS PRIOR TO BEGINNING WORK.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

PRIOR TO ORDERING DRAINAGE PIPES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS AND RESOLVE ALL CONFLICT VERIFICATIONS, BY WAY OF ULO'S, WITH THE ENGINEER.

ALL FRAMES AND GRATES ON EXISTING STRUCTURES SHALL BE DELIVERED TO 1602 EMIL STREET, ENGINEERING SERVICES. CONTRACTOR SHALL CALL 266-4430 TO MAKE ARRANGEMENTS FOR SAID DELIVERY. THE CONTRACTOR WILL BE RESPONSIBLE FOR UNLOADING THE FRAMES AND GRATES AT EMIL STREET.

THE LIMITS OF PAVEMENT AND SIDEWALK REMOVAL ARE APPROXIMATE AND SHALL BE VERIFIED IN THE FIELD BY THE ENGINEER.

EXPANSION JOINTS ARE TO BE CONSTRUCTED AT ALL RADIUS POINTS IN CURB AND GUTTER OR AT LOCATIONS SHOWN ON THE PLAN.

SAWING OF CONCRETE SIDEWALK SHALL BE INCIDENTAL TO THE BID ITEM OF REMOVE CONCRETE SIDEWALK AND DRIVE.

REMOVAL OF TEMPORARY ASPHALT SHALL BE INCIDENTAL TO THE TEMPORARY PAVEMENT ITEM.

EPOXY COATED PAVEMENT TIES AND DOWEL BARS ARE INCIDENTAL TO THE ADJACENT CONCRETE BID ITEMS.

PROOF ROLLING OF SUBBASE IS REQUIRED BEFORE PLACEMENT OF BASE COURSE & IS INCIDENTAL TO EXCAVATION CUT. PROOF ROLLING SHALL BE WITNESSED BY THE ENGINEER.

ALL CURB AND GUTTER REMOVAL SHALL BE TO AN EXISTING JOINT AS DIRECTED BY THE ENGINEER.

ALL ASPHALT REMOVAL SHALL BE PAID AS EXCAVATION CUT UNLESS PAID FOR UNDER ANOTHER BID ITEM.

THE REMOVAL OF ALL BRICK AND GRANITE PAVERS AND THEIR CONCRETE BASES SHALL BE PAID FOR AS REMOVE CONCRETE SIDEWALK AND DRIVE.

ALL CITY OF MADISON CONDUIT SHALL BE MAINTAINED UNLESS DIRECTED OTHERWISE BY THE ENGINEER

ALL WORK PERFORMED ON UW PROPERTY SHALL BE CONSTRUCTED PER UW TECHNICAL GUIDELINES AND STATE DFD STANDARD SPECIFICATIONS. CONTRACTOR SHALL INFORM THE UW-MADISON CIVIL ENGINEER WHEN AND WHAT WORK WILL BE PERFORMED ON UW PROPERTY FOR CONSTRUCTION OBSERVATION.

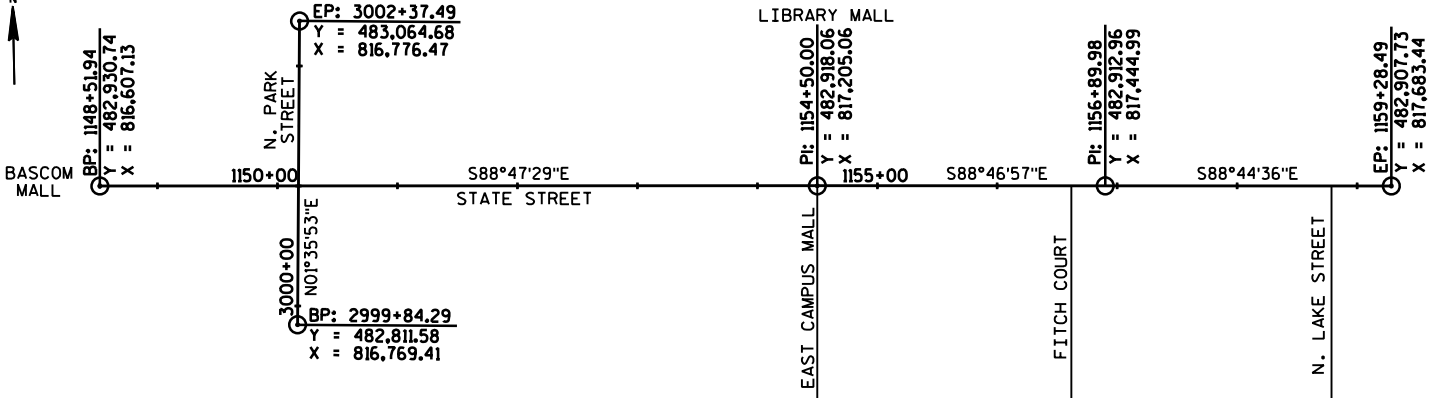
ULTIMATE DESIGN STRESSES

CONCRETE MASONRY WALLS &
CONCRETE MASONRY WALLS COLORED $f_c = 3,500$ P.S.I.

CONCRETE STRUCTURAL SLAB 8-INCH &
COLORED CONCRETE STRUCTURAL SLAB 8-INCH $f_c = 4,000$ P.S.I.

ALIGNMENT OVERVIEW

SCALE: NONE



DESIGN CONTACTS

MSA PROFESSIONAL SERVICES
ATTN: JASON DIPIAZZA, P.E.
2901 INTERNATIONAL LANE, SUITE 300
MADISON, WI 53704
PHONE: (608) 242-6640
FAX: (608) 242-5664
EMAIL: jdipiazza@msa-ps.com

CITY OF MADISON
ATTN: CHRIS PETYKOWSKI, P.E.
CITY-COUNTY BUILDING, ROOM 115
210 MARTIN LUTHER KING, JR. BLVD.
MADISON, WI 53703
PHONE: (608) 267-8678
FAX: (608) 264-9275
EMAIL: cpetykowski@cityofmadison.com

UNIVERSITY OF WISCONSIN-MADISON
FACILITIES, PLANNING & MANAGEMENT
ATTN: GARY BROWN
610 WALNUT STREET, SUITE 919
MADISON, WI 53726
PHONE: (608) 263-3023
FAX: (608) 265-3139
EMAIL: gbrown@fpm.wisc.edu

UTILITY CONTACTS

STORM SEWER:
CITY OF MADISON
ATTN: GREG FRIES
CITY-COUNTY BUILDING, ROOM 115
210 MARTIN LUTHER KING, JR. BLVD
MADISON, WI 53703
PHONE: (608) 267-1199
EMAIL: gfries@cityofmadison.com

SANITARY SEWER,
CITY OF MADISON
ATTN: MARK MODER
CITY-COUNTY BUILDING, ROOM 115
210 MARTIN LUTHER KING, JR. BLVD
MADISON, WI 53703
PHONE: (608) 261-9250
EMAIL: mmoder@cityofmadison.com

WATERMAIN:
MADISON WATER UTILITY
ATTN: PETE HOLMGREN
119 EAST OLIN AVE
MADISON, WI 53713
PHONE: (608) 261-5530
EMAIL: pholmgren@madisonwater.org

STREET LIGHTING
CITY OF MADISON
ATTN: BRIAN SMITH
CITY-COUNTY BUILDING, ROOM 110
215 MARTIN LUTHER KING, JR. BLVD
MADISON, WI 53703
PHONE: (608) 261-9625
EMAIL: bsmith@cityofmadison.com

ELECTRIC
MADISON GAS & ELECTRIC
ATTN: MARK BOHM
133 S. BLAIR STREET
P.O. BOX 1231
MADISON, WI 53703
PHONE: (608) 252-4730
EMAIL: mbohm@mge.com

GAS:
MADISON GAS & ELECTRIC
ATTN: SHAUN ENDRES
P.O. BOX 1231
MADISON, WI 53701
PHONE: (608) 252-7224
CELL: (608) 516-7913
EMAIL: sendres@mge.com
ATTN: MIKE SAVAGE
PHONE: (608) 252-7069
CELL: (608) 235-2345
EMAIL: msavage@mge.com

TELEPHONE & FIBER OPTICS:
AT&T
ATTN: CAROL ANASON
316 W. WASHINGTON AVENUE
MADISON, WI 53703
PHONE: (608) 252-2385
EMAIL: ca2624@att.com

CITY OF MADISON PARKS:
MALL MAINTENANCE SUPERVISOR
ATTN: TOM SKAIFE
CITY-COUNTY BUILDING, ROOM 104
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MADISON, WI 53703
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EMAIL: tskaife@cityofmadison.com

UW-MADISON UTILITIES:
PLUMBING/WATER
ATTN: MARCELLA OTTER
30 N. MILLS STREET, ROOM 210
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PHONE: (608) 265-3967
CELL: (608) 444-4373
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UW-MADISON UTILITIES:
ELECTRICAL
ATTN: RICK WERRE
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UW-MADISON UTILITIES:
STEAM TUNNELS
ATTN: JEFF POLLEI
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EMAIL: jpollei@fpm.wisc.edu
ATTN: KEVIN CORCORAN
PHONE: (608) 444-4371
EMAIL: kcorcoran@fpm.wisc.edu



Dial 811 or (800) 242-8511

www.DiggersHotline.com

**DENOTES UTILITIES THAT ARE NOT
DIGGERS HOTLINE MEMBERS

STATE STREET 700 / 800 BLOCKS
PROJECT NO. 53W1193

SHEET NO.
2

GENERAL NOTES AND UTILITIES

STATE STREET CITY OF MADISON

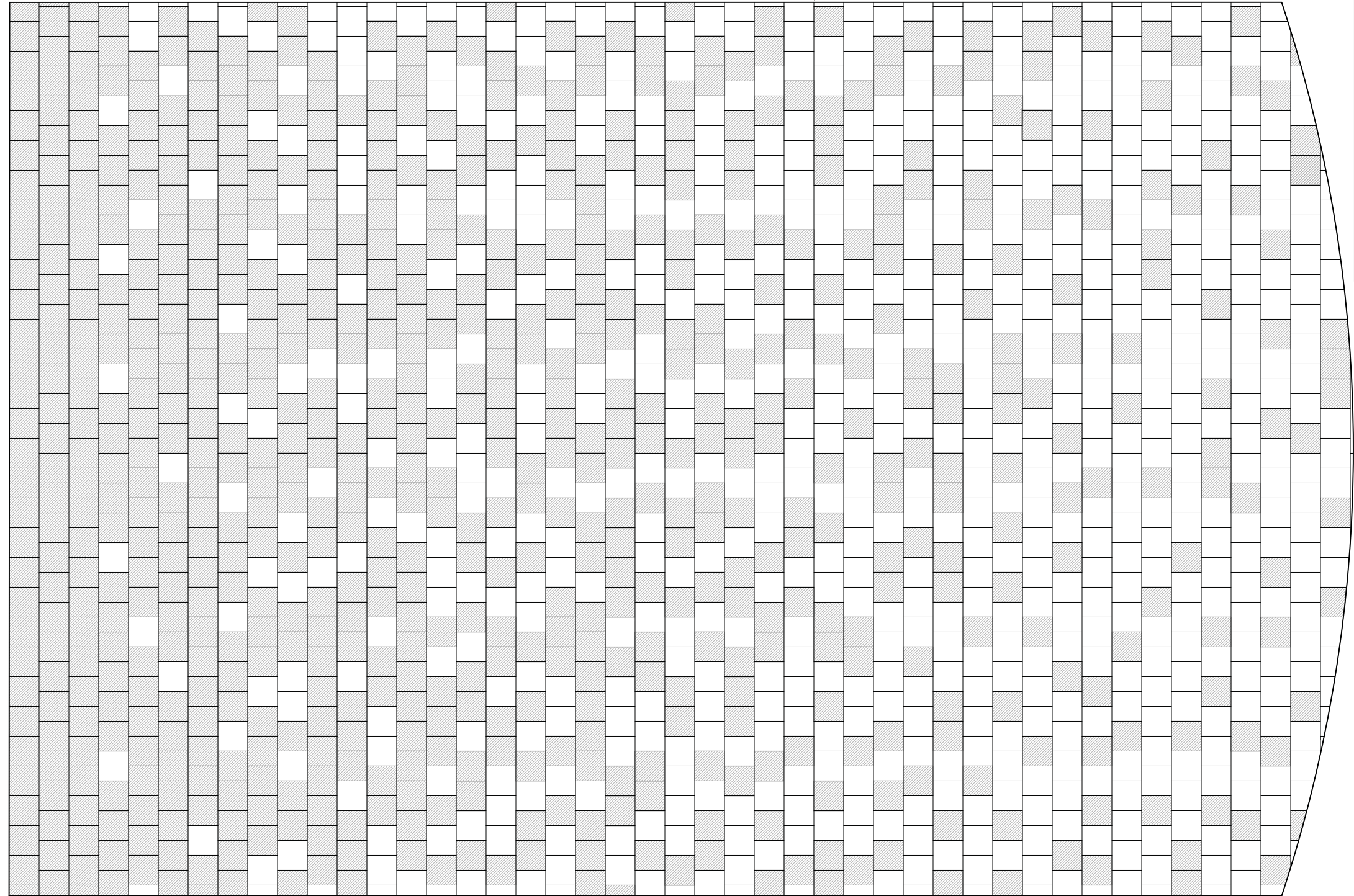
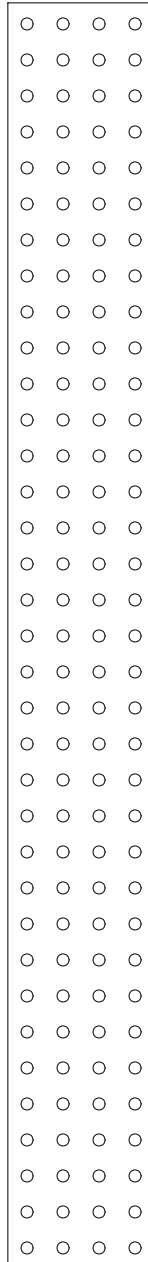
Revised 3/21/14 - Updated Contact
Information and Alignment Overview

STANDARD ABBREVIATIONS

AC	ACRES
AEW	APRON ENDWALL
AH	AHEAD
ALUM.	ALUMINUM
A.P.	ACCESS POINT
ASPH	ASPHALT
BK	BACK
BLK	BLOCK
BOC	BACK OF CURB
BOW	BACK OF SIDEWALK
BM	BENCHMARK
CABC	CRUSHED AGGREGATE BASE COURSE
CL	CLEAR
Δ.	CENTRAL ANGLE or DELTA
CONC	CONCRETE
CSM	CERTIFIED SURVEY MAP
CTH	COUNTY TRUNK HIGHWAY
CY	CUBIC YARD
D	DEGREE OF CURVE
DIA	DIAMETER
E	EAST
EB	EASTBOUND
EBS	EXCAVATION BELOW SUBGRADE
EOP	EDGE OF PAVEMENT
ET AL	AND OTHERS
EXIST or EX.	EXISTING
EW	END WALL
FOC	FACE OF CURB
FT	FOOT
FT2	SQUARE FEET
GN	GRID NORTH
GV	GAS VALVE
HB	HOSE BIB
HERCP	HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE
IE	INVERT ELEVATION
IN	INCH
IP	IRON PIPE
L	LENGTH
L	LENGTH OF CURVE
LC	LONG CHORD
LCB	LONG CHORD BEARING
LF	LINEAR FEET
LS	LUMP SUM
LT	LEFT
MH	MANHOLE
MI	MILE
MON	MONUMENT
N	NORTH
NB	NORTHBOUND
NO	NUMBER
O.C.	ON CENTER
P	PIPE
PT	POINT
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PL	PROPERTY LINE
POB	POINT OF BEGINNING
R	RADIUS
RP	REMOVE PIPE
R	RANGE
RCP	REINFORCED CONCRETE PIPE
RL or R/L	REFERENCE LINE
REQ'D	REQUIRED
RT	RIGHT
R/W	RIGHT-OF-WAY
RD	ROAD
S	SOUTH
SB	SOUTHBOUND
SO	SQUARE
SAN	SANITARY SEWER
SAS	SEWER ACCESS STRUCTURE
SEC	SECTION
STD	STANDARD
STH	STATE TRUNK HIGHWAY
STM	STORM SEWER
STA	STATION
STR	STRUCTURE
SY	SQUARE YARD
T	TANGENT
TAN	TANGENT
TEMP	TEMPORARY
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
T or TN	TOWN
W	WEST
WB	WESTBOUND
WM	WATERMAIN
X	EAST GRID COORDINATE
Y	NORTH GRID COORDINATE

BACK OF CONC.

25% RED
(TYPICAL PROPORTION)



REINFORCEMENT PLAN - PEDESTRIAN LIGHT BASE OPENINGS

4/14 - Updated opening sizes

1 1/4" X 2'-6" EPOXY COATED EXPANSION DOWELS @ 24" SPACING

1/2" JOINT FILLER AND SEALER, PLACE EVERY 96'-0" MAX.

ADJACENT PAVEMENT

NOTE: LIMIT INDIVIDUAL SLAB POURS TO 24'-0". PLACE EXPANSION JOINT WITH 1/2" JOINT FILLER EVERY 96'-0". DO NOT RUN REINFORCING THROUGH EXPANSION JOINTS. LAP NO. 4 BARS 1'-8" MINIMUM WHERE REQUIRED.

EDGE OF REINFORCED CONCRETE SIDEWALK BAND

24'-0"

24'-0"

24'-0"

24'-0"

24'-0"

CONSTRUCTION JOINT PLACE APPROXIMATELY EVERY 24'-0" TO MATCH SCORE MARKS SHOWN ON PAVING AND SITE GRADING PLAN SHEETS

1/2" JOINT FILLER AND SEALER, PLACE EVERY 96'-0" MAX.

1 1/4" X 2'-6" EPOXY COATED EXPANSION DOWELS @ 24" SPACING

EXPANSION JOINT (TYP.), LOCATE EXPANSION JOINTS A MINIMUM OF 8'-0" FROM C OF TREE GRATE OPENINGS OR 6'-0" FROM C OF LIGHT BASE OPENINGS

3'-0"

12'-0" NOR. VARIES

JOINT PLAN

NO. 6 BARS @ 6" MAX. O.C. (TYP.),
PLACE NO. 6 BARS @ 4" MAX. O.C.
WITHIN 3'-0" MIN. OF EXPANSION JOINTS
AND WITHIN 3'-0" MIN. OF OPENINGS FOR
TREE GRATES OR LIGHT BASES.

NO. 4 BARS @ 1'-6"
MAX. O.C. (TYP.)

4-INCH CARDBOARD
VOID FORM

2" CL.

1'-0"
(TYP.)

TYPICAL SECTION THRU
CONCRETE STRUCTURAL SLAB 8-INCH

SEE PAVING PLANS FOR LOCATIONS OF COLORED
AND NON COLORED STRUCTURAL SLABS

[illegible]

✱ ½" JOINT FILLER AND SEALER.

NOTES:

1. COLOR OF JOINT SEALER TO BE DETERMINED BY ENGINEER.
2. CUT REINFORCEMENT AT OPENING AND HOLD 2" CLEAR. COAT ENDS OF REINFORCEMENT WITH EPOXY IN ACCORDANCE WITH SUBSECTION 505.2.4.2 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION OF THE STATE OF WISCONSIN, DEPARTMENT OF TRANSPORTATION.

The diagram illustrates the reinforcement layout for a concrete slab containing rectangular openings. Key features include:

- Vertical Reinforcing Bars:** NO. 6 BARS @ 6" O.C. (STANDARD REINFORCING) are shown along the left edge.
- Horizontal Reinforcing Bars:** NO. 6 BARS @ 8'-0" O.C. = 8'-0" (STANDARD REINFORCING) are centered on the 1'-6" opening.
- Reinforced Concrete Sidewalk Band:** Indicated by a dashed line and an asterisk (*).
- Openings:** A central 1'-6" x 4'-0" opening is shown. Additional details specify "VARIES, 12'-0" NOR.", "VARIES, 10'-6" NOR.", and "VARIES, 1'-6" NOR." for different sections.
- Additional Reinforcement:**
 - NO. 4 EPOXY COATED REBAR, 1'-6" MAX. O.C. STANDARD REINFORCING (TYP.)
 - ADDITIONAL NO. 6 BARS @ 4 1/2" MAX. BETWEEN STANDARD REINFORCING, 8'-0" LONG
 - NO. 4 BARS @ 1'-6" MAX. SPACING (STANDARD REINFORCING)
- Edges:** The "EDGE OF THICKENED SHELF" is clearly marked at the bottom and right boundaries.
- Dimensions:** Various dimensions are provided, such as 3'-0", 4'-0", 6", and 1'-6".

REINFORCEMENT PLAN - AREA LIGHT BASE OPENINGS

(A) GRADE TO MINIMIZE IMPACTS TO TREE ROOTS

STATE STREET 700 / 800 BLOCKS
PROJECT NO. 53W1193

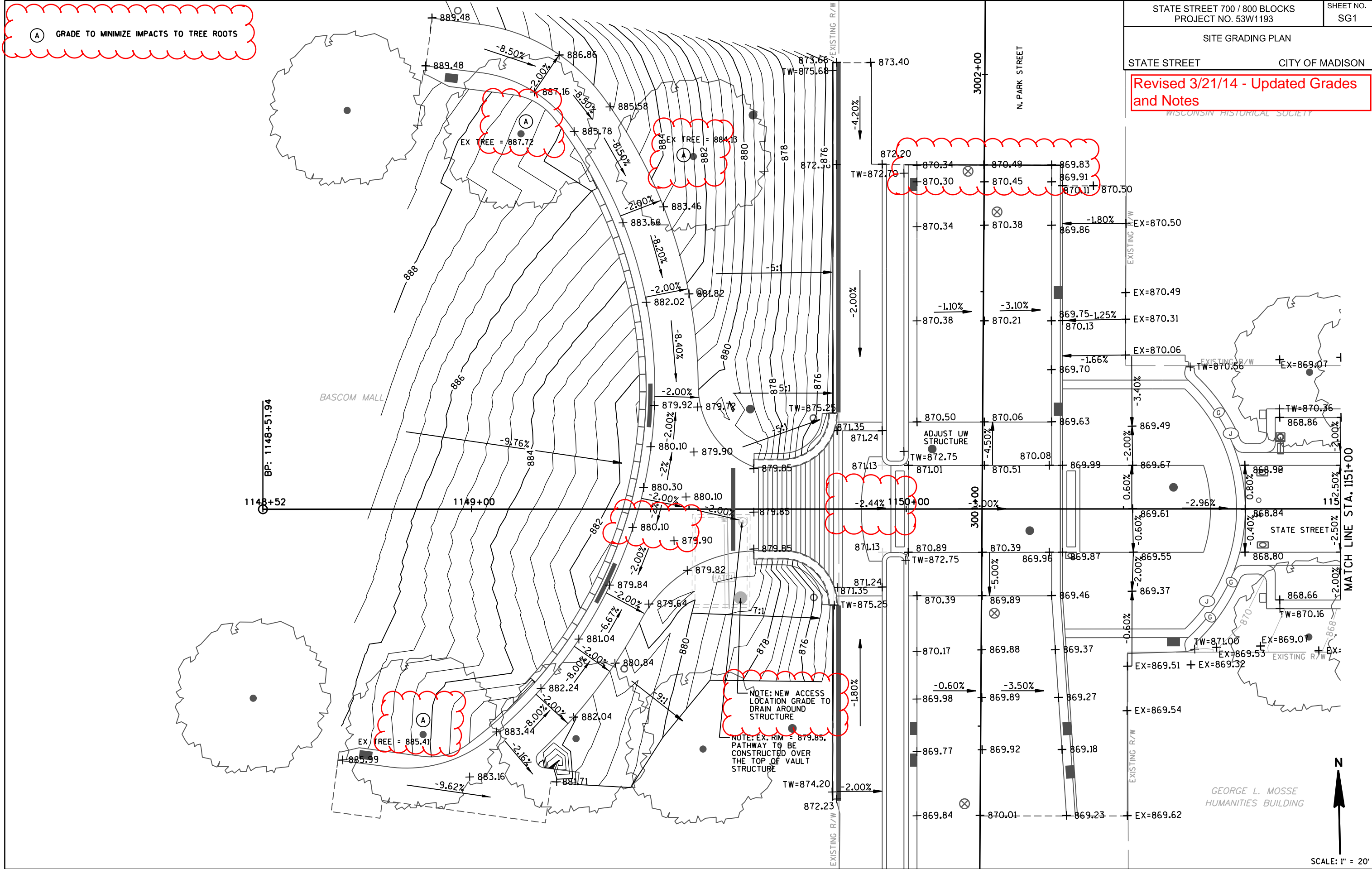
SHEET NO.
SG1

SITE GRADING PLAN

STATE STREETCITY OF MADISON

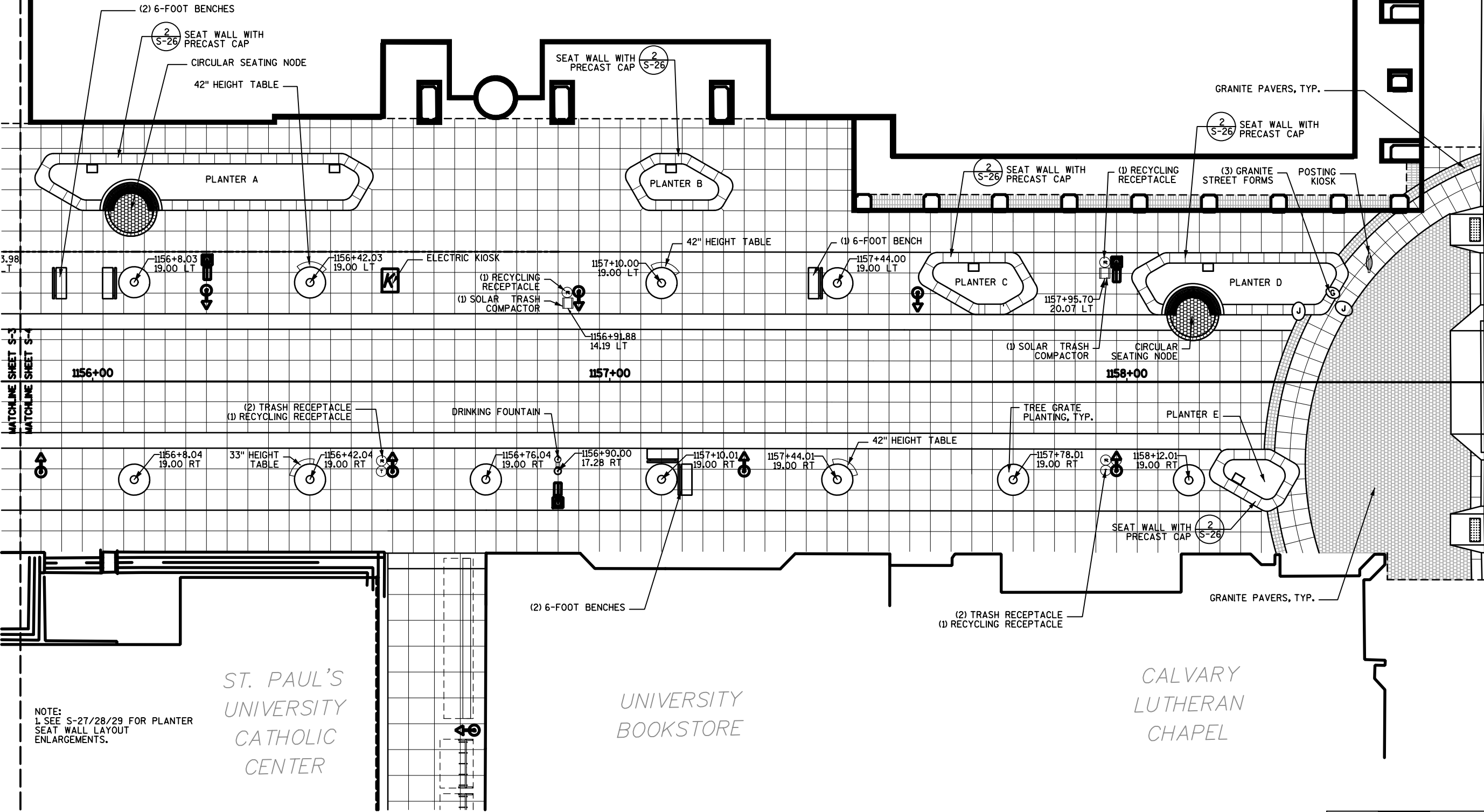
Revised 3/21/14 - Updated Grades
and Notes

WISCONSIN HISTORICAL SOCIETY



REVISED 3/21/14: Added call outs for
Seat Wall with Precast Cap details for
Planters A - E.

MEMORIAL LIBRARY



NOTE:
1. SEE S-27/28/29 FOR PLANTER
SEAT WALL LAYOUT
ENLARGEMENTS.

1
S-4
STREETSCAPE PLAN - 700 BLOCK
1"=20' @ 11X17

PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

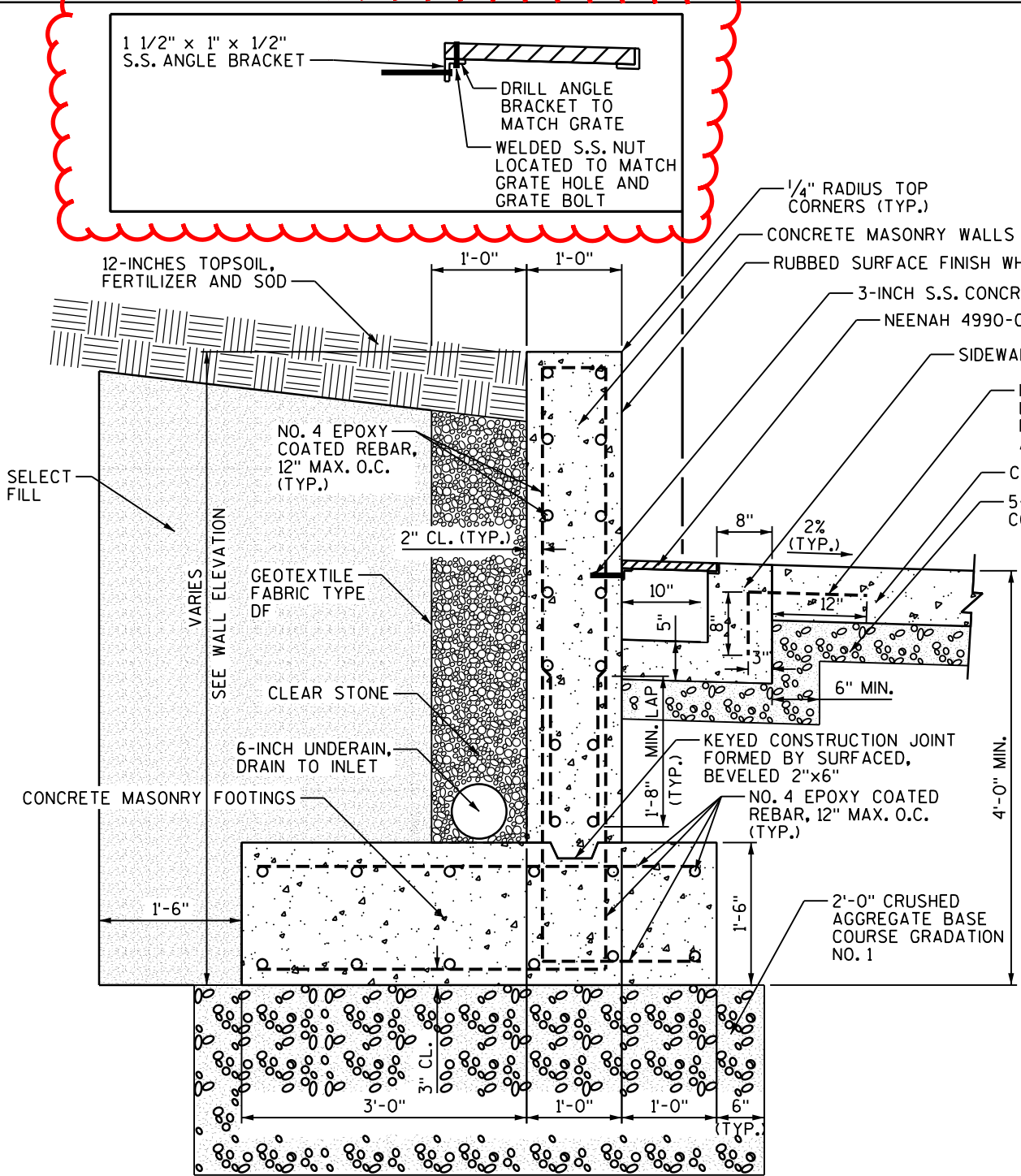
REVISED 3/21/14: Added angle bracket detail for installing angle bracket to CIP concrete wall

PLOT SCALE:

PLOT NAME:

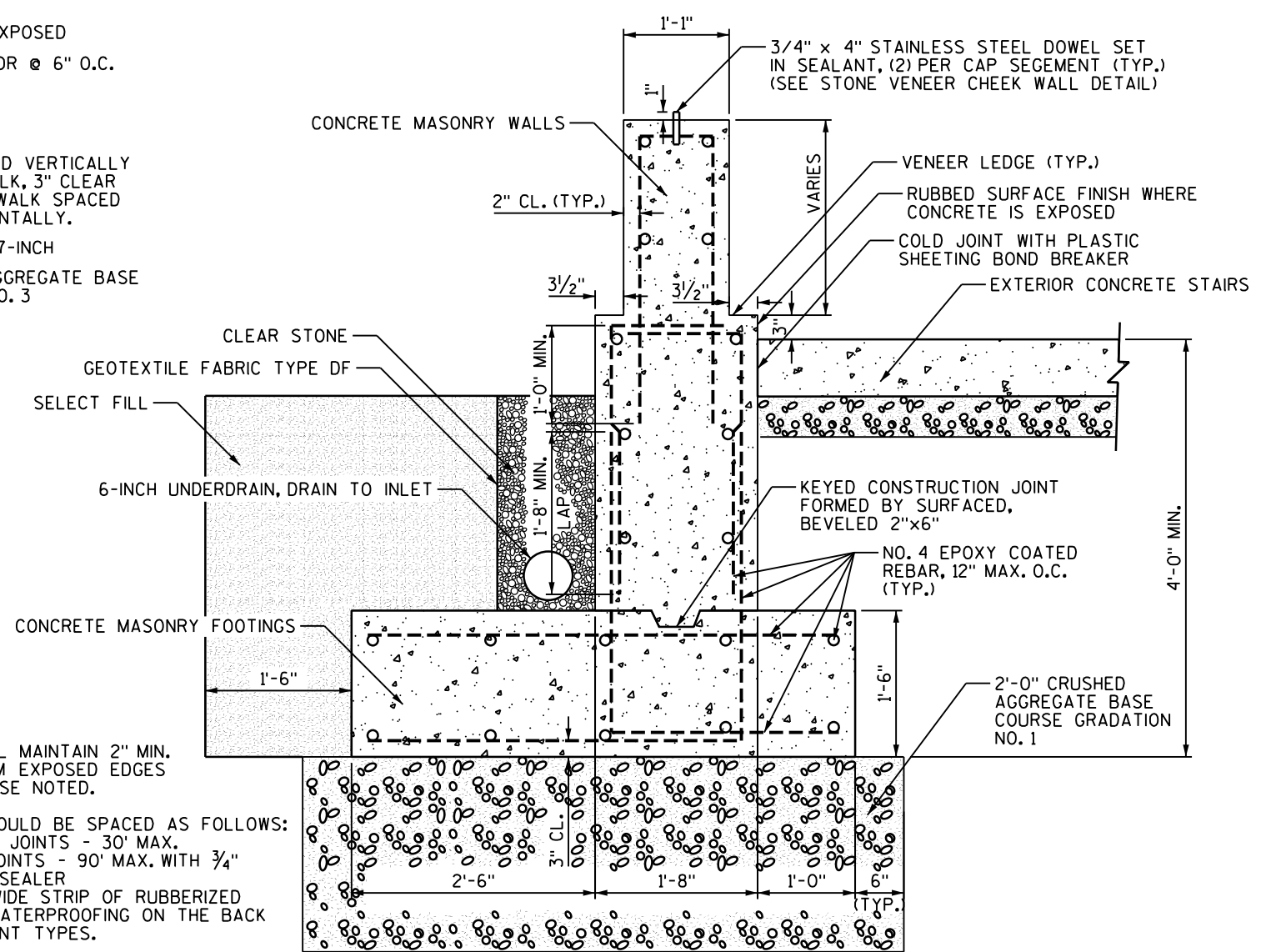
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREET'S DIVISION



- NOTES:
1. ALL REBAR SHALL MAINTAIN 2" MIN. CLEARANCE FROM EXPOSED EDGES UNLESS OTHERWISE NOTED.
 2. WALL JOINTS SHOULD BE SPACED AS FOLLOWS:
 - CONTRACTION JOINTS - 30' MAX.
 - EXPANSION JOINTS - 90' MAX. WITH 3/4" FILLER AND SEALER
 - USE AN 18" WIDE STRIP OF RUBBERIZED MEMBRANE WATERPROOFING ON THE BACK OF BOTH JOINT TYPES.
 3. COLOR OF JOINT SEALER TO BE VERIFIED BY ENGINEER.
 4. ALL EXPOSED CONCRETE SURFACES SHALL HAVE A RUBBED FINISH AND UNEXPOSED CONCRETE SURFACES SHALL HAVE A ORDINARY FINISH UNLESS OTHERWISE SPECIFIED.

1 CAST-IN-PLACE CONCRETE RETAINING WALL @ BASCOM MALL
S11 SCALE: NONE

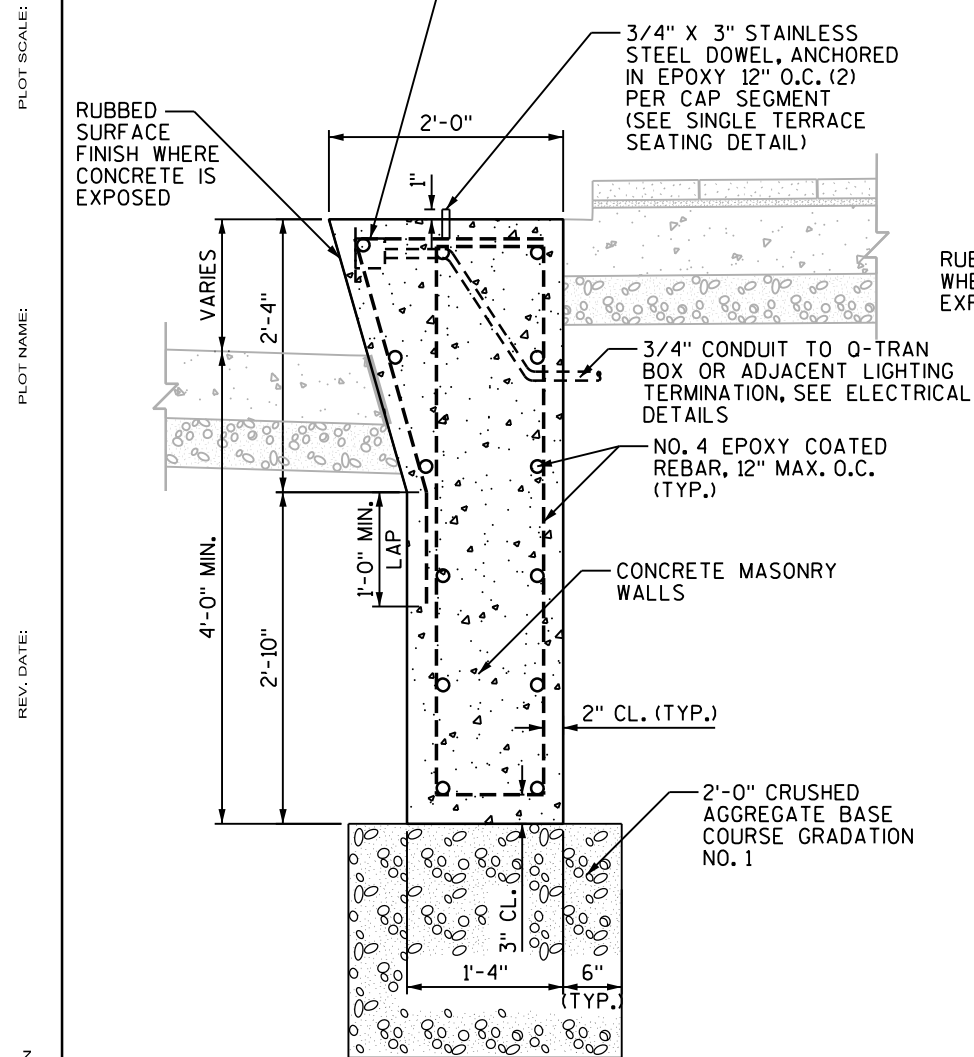


2 STONE VENEER CHEEK WALL DETAIL B
S11 SCALE: NONE

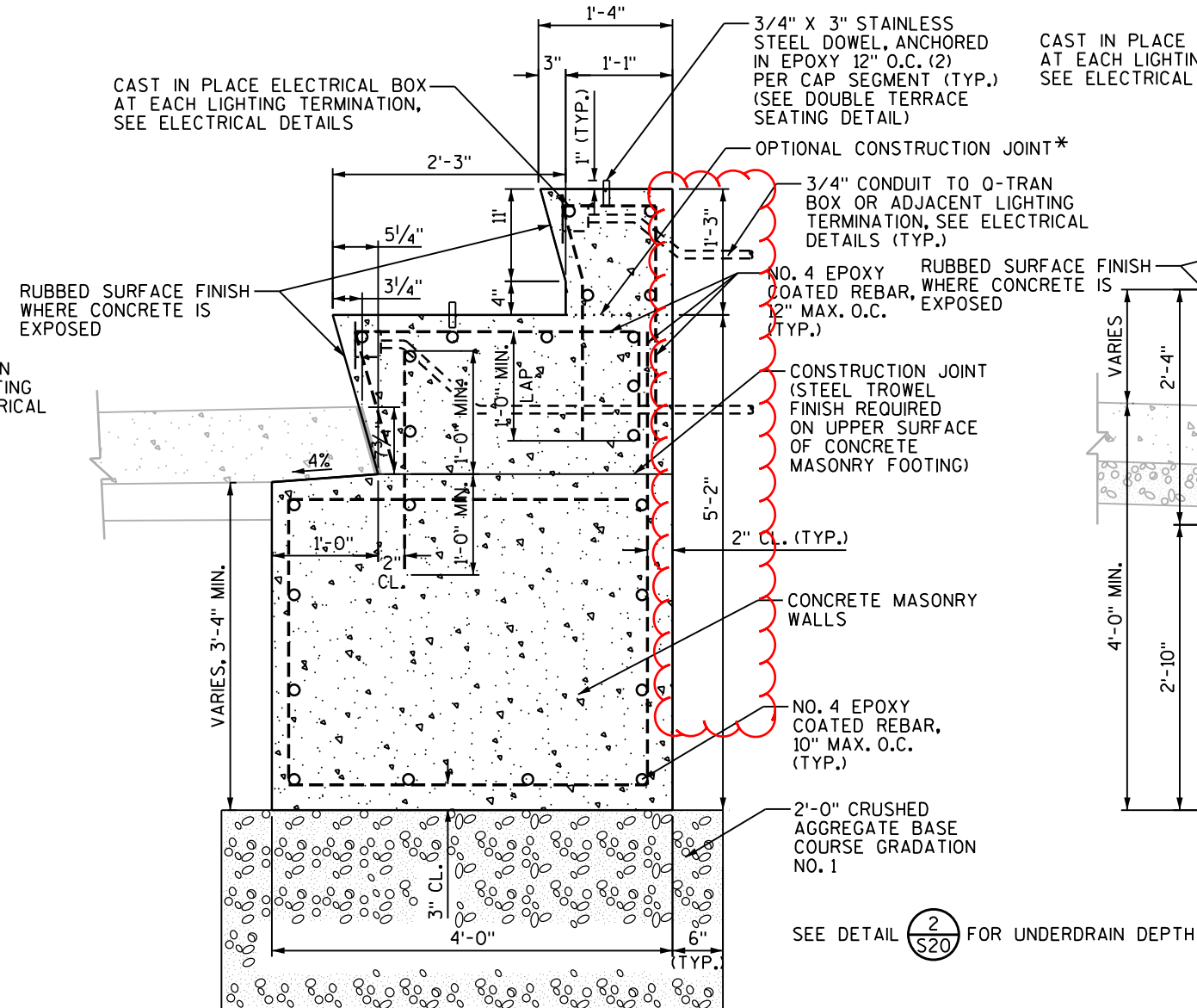
NOTES:

1. ALL REBAR SHALL MAINTAIN 2" MIN. CLEARANCE FROM EXPOSED EDGES UNLESS OTHERWISE NOTED.
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR PRECAST WALL CAPS.
3. PROVIDE SLEEVES FOR IRRIGATION AND ELECTRICAL ITEMS AS SHOWN ON THE PARKS WATERING AND ELECTRICAL PLAN SHEETS.
4. UNEXPOSED CONCRETE SURFACES SHALL HAVE ORDINARY FINISH UNLESS OTHERWISE SPECIFIED.

FORM FOOTING FOR DOUBLE TERRACE SEAT WALL AROUND
EXISTING ELECTRICAL VAULTS AT LIBRARY MALL LAWN.
ADJUST POSITION OF EPOXY COATED BAR STEEL REINFORCEMENT
AROUND ELECTRICAL VAULTS TO PROVIDE 2" MINIMUM CLEARANCE.
IF REINFORCEMENT IS CUT OR DAMAGED, COAT CUT OR DAMAGED
SURFACES WITH EPOXY IN ACCORDANCE WITH SUBSECTION 505.2.4.2
OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR
HIGHWAY AND STRUCTURE CONSTRUCTION OF THE STATE OF WISCONSIN,
DEPARTMENT OF TRANSPORTATION.

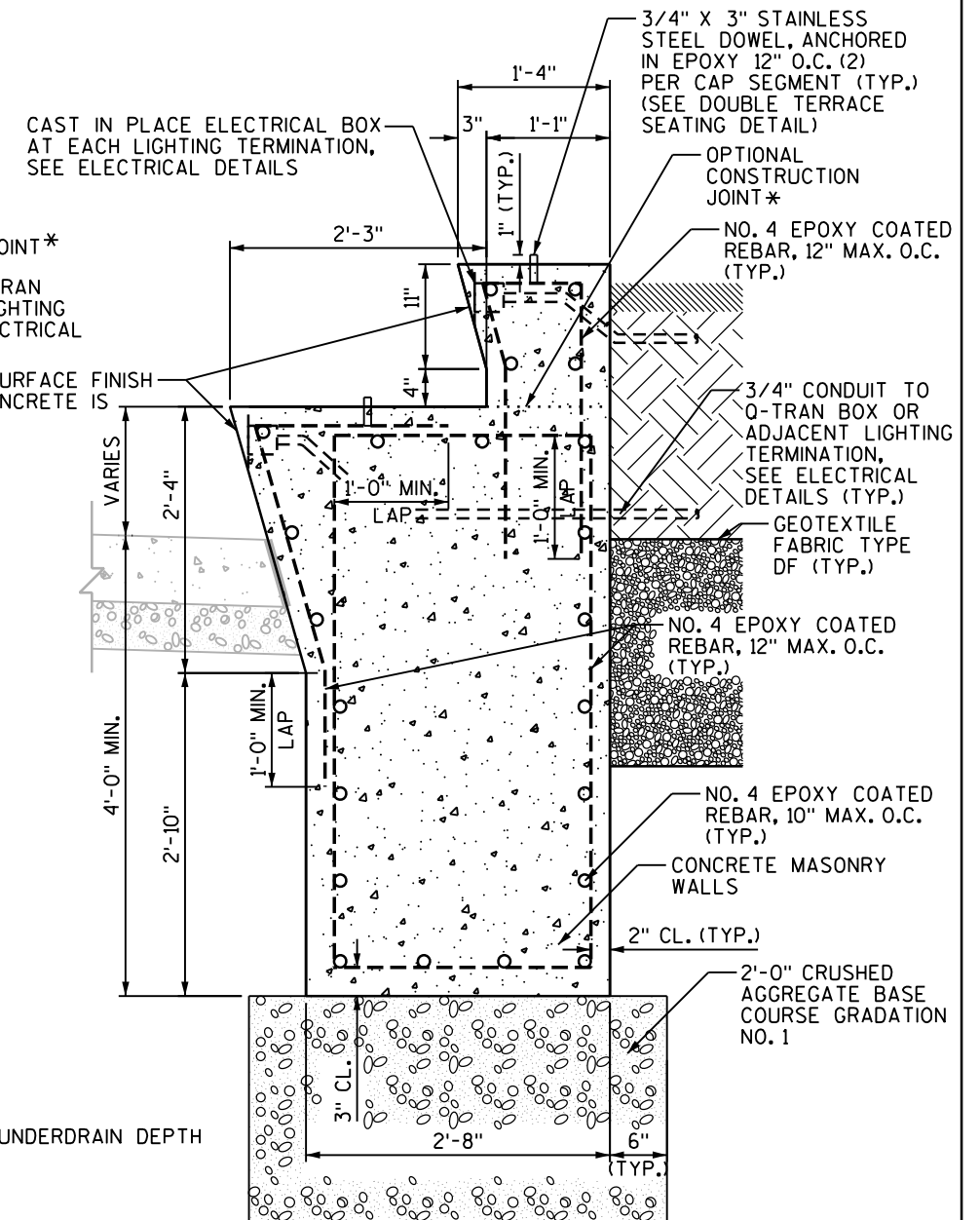


1 SINGLE TERRACE SEATING WALL DETAIL
S19 SCALE: NONE



* LEAVE UPPER SURFACE OF FIRST POUR ROUGH (BROOM FINISH).
DO NOT APPLY LIQUID CURING COMPOUND TO CONSTRUCTION JOINT
AREA. CURING WITH IMPERVIOUS SHEETING REQUIRED.

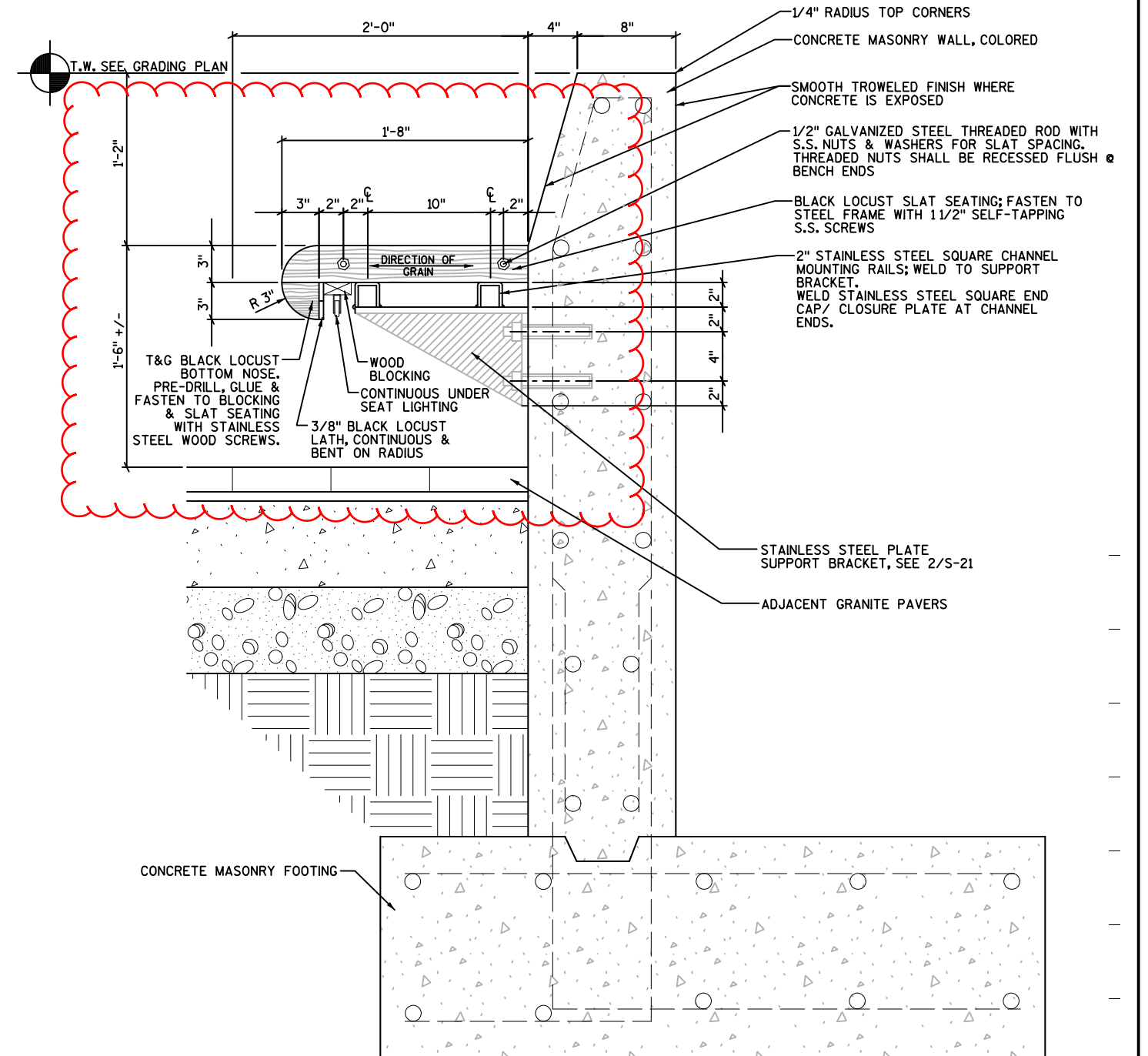
2 DOUBLE TERRACE SEAT WALL WITH
S19 STRUCTURAL SLAB SUPPORT DETAIL
SCALE: NONE



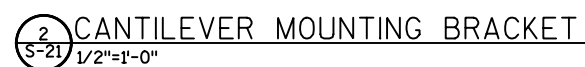
3 DOUBLE TERRACE SEATING WALL DETAIL
S19 SCALE: NONE

NOTES:

1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL OF ALL METAL BRACKET ASSEMBLIES
2. GRIND SMOOTH ALL EXPOSED EDGES OF METAL FRAME AND BRACKET COMPONENTS
3. UNEXPOSED CONCRETE SURFACES SHALL HAVE ORDINARY SURFACE FINISH UNLESS OTHERWISE SPECIFIED



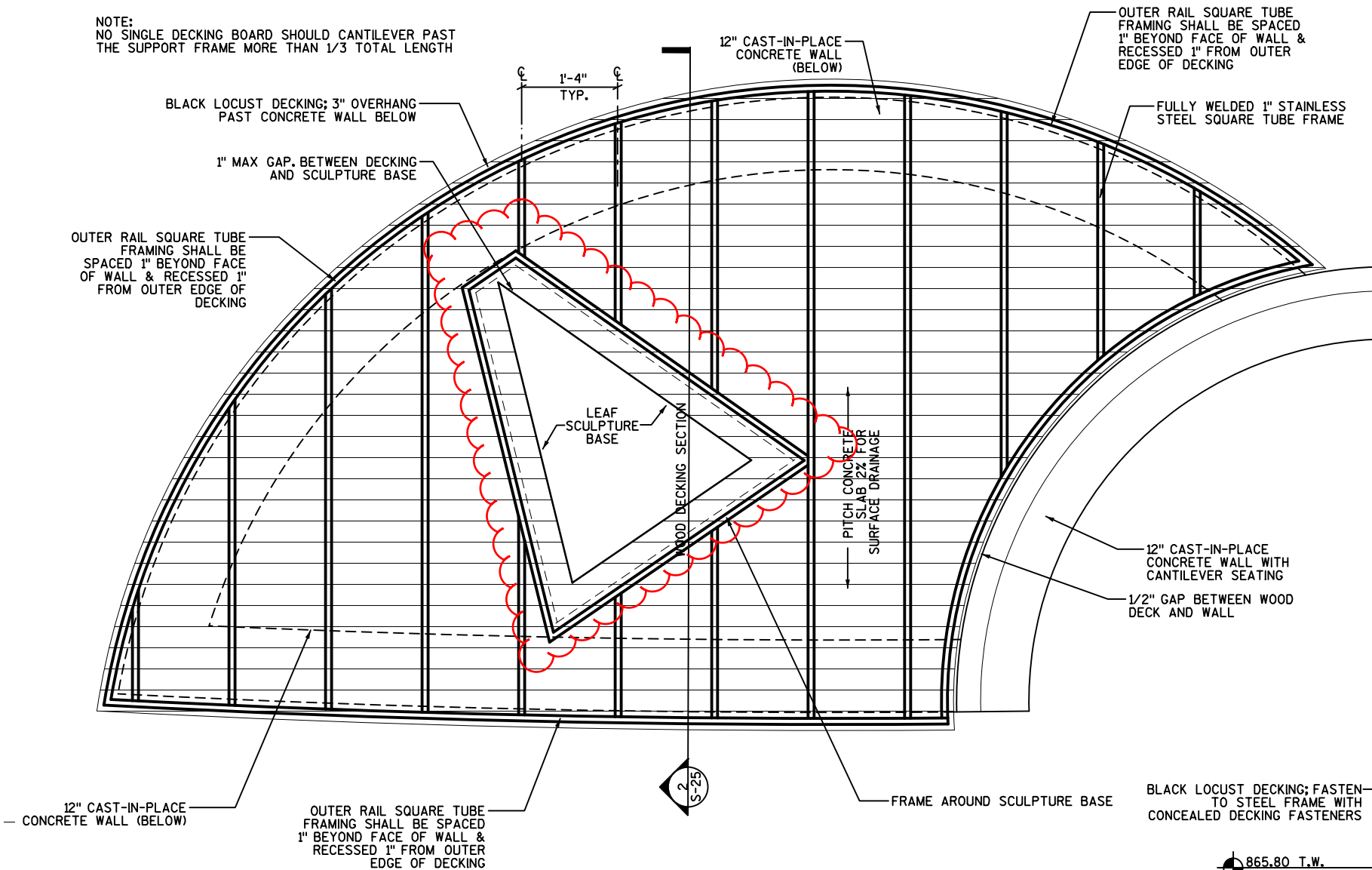
NOTES:
1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL
2. GRIND SMOOTH ALL EXPOSED BRACKET EDGES



3
S-21 CAST-IN-PLACE CONCRETE WALL WITH CANTILEVER SEATING
1"=1'-0"

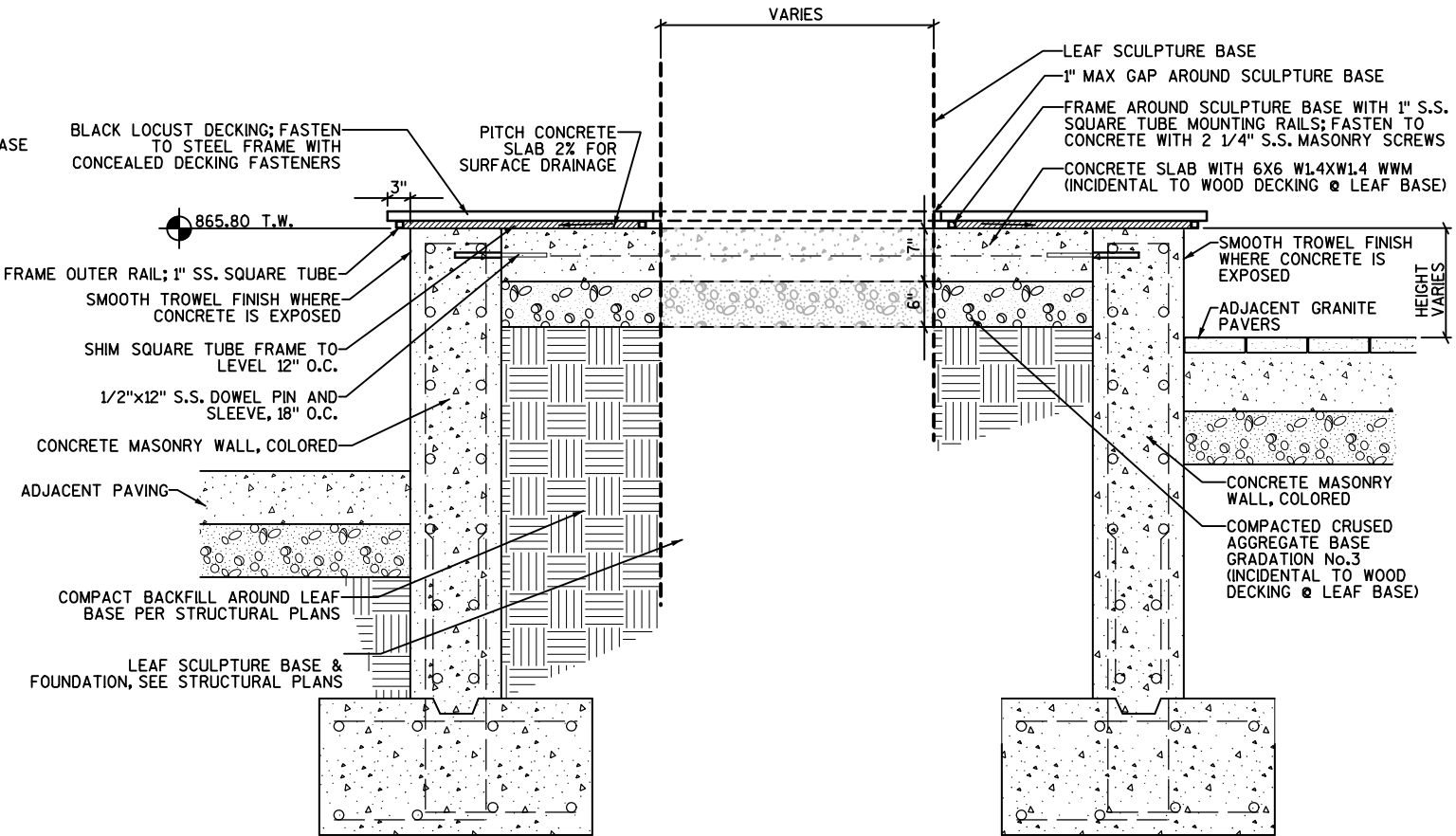
Revised 3/18/14 - Updated Leaf Sculpture Base Shape

NOTE:
NO SINGLE DECKING BOARD SHOULD CANTILEVER PAST THE SUPPORT FRAME MORE THAN 1/3 TOTAL LENGTH



NOTE:
1. NEOPRENE SPACERS SHALL SEPARATE METAL FRAME ASSEMBLY FROM DIRECT CONTACT WITH CONCRETE SURFACES
2. UNEXPOSED CONCRETE SURFACES SHALL HAVE ORDINARY SURFACE FINISH UNLESS OTHERWISE SPECIFIED

1 WOOD DECKING @ LEAF BASE PLAN ENLARGEMENT
S-25 1/2"=1'-0"



2 WOOD DECKING SECTION @ LEAF BASE
S-25 1/2"=1'-0"

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

NOTE:
1. SEE WALL DETAIL FOR WALL DIMENSIONS & REINFORCING
2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR PRECAST WALL CAP
3. UNEXPOSED CONCRETE SURFACES SHALL HAVE ORDINARY SURFACE FINISH UNLESS OTHERWISE SPECIFIED

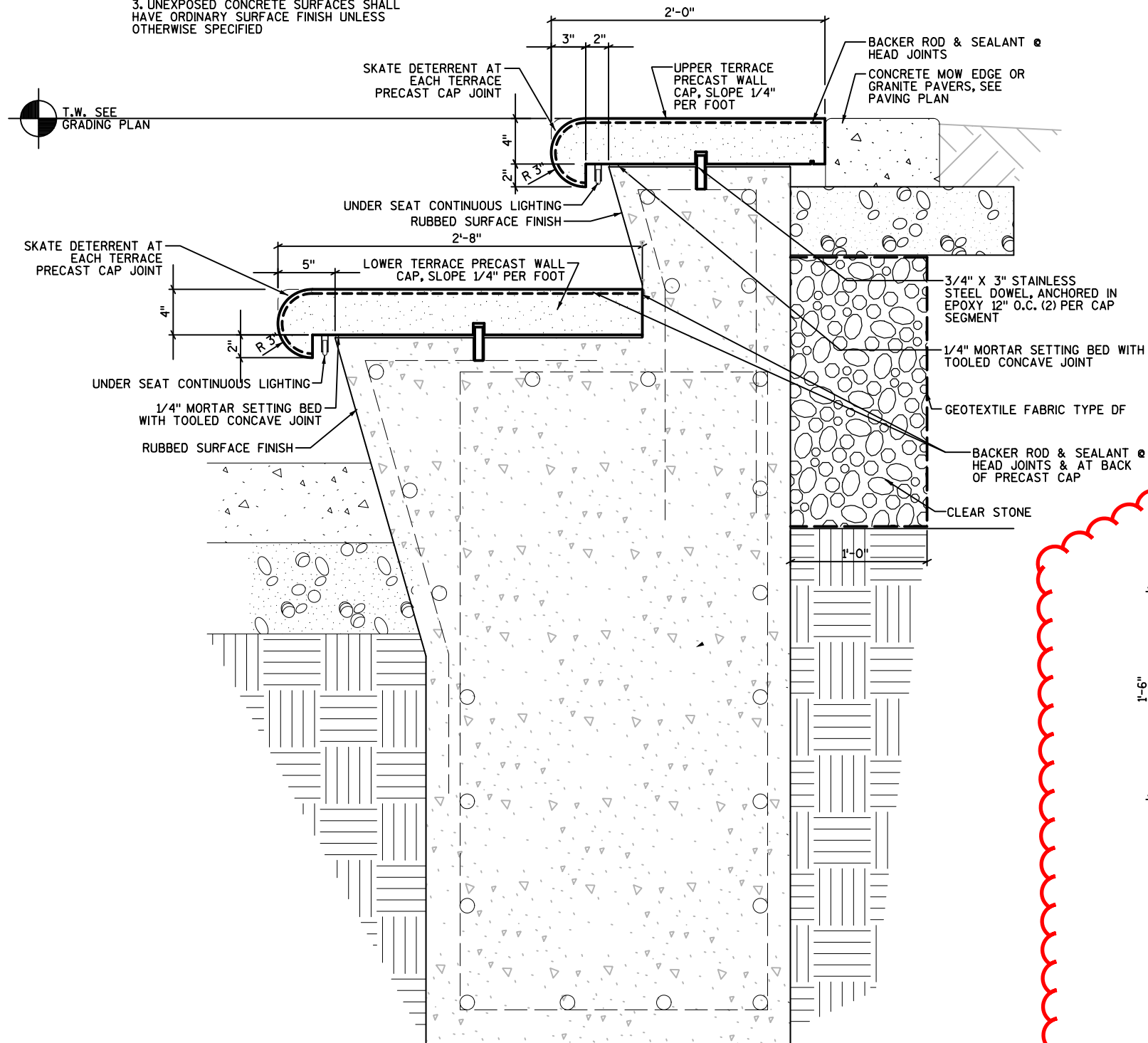
REVISED 3/21/14: Added detail for Planter Seat Walls for planter areas in the 700 Block.

PLOT SCALE: _____

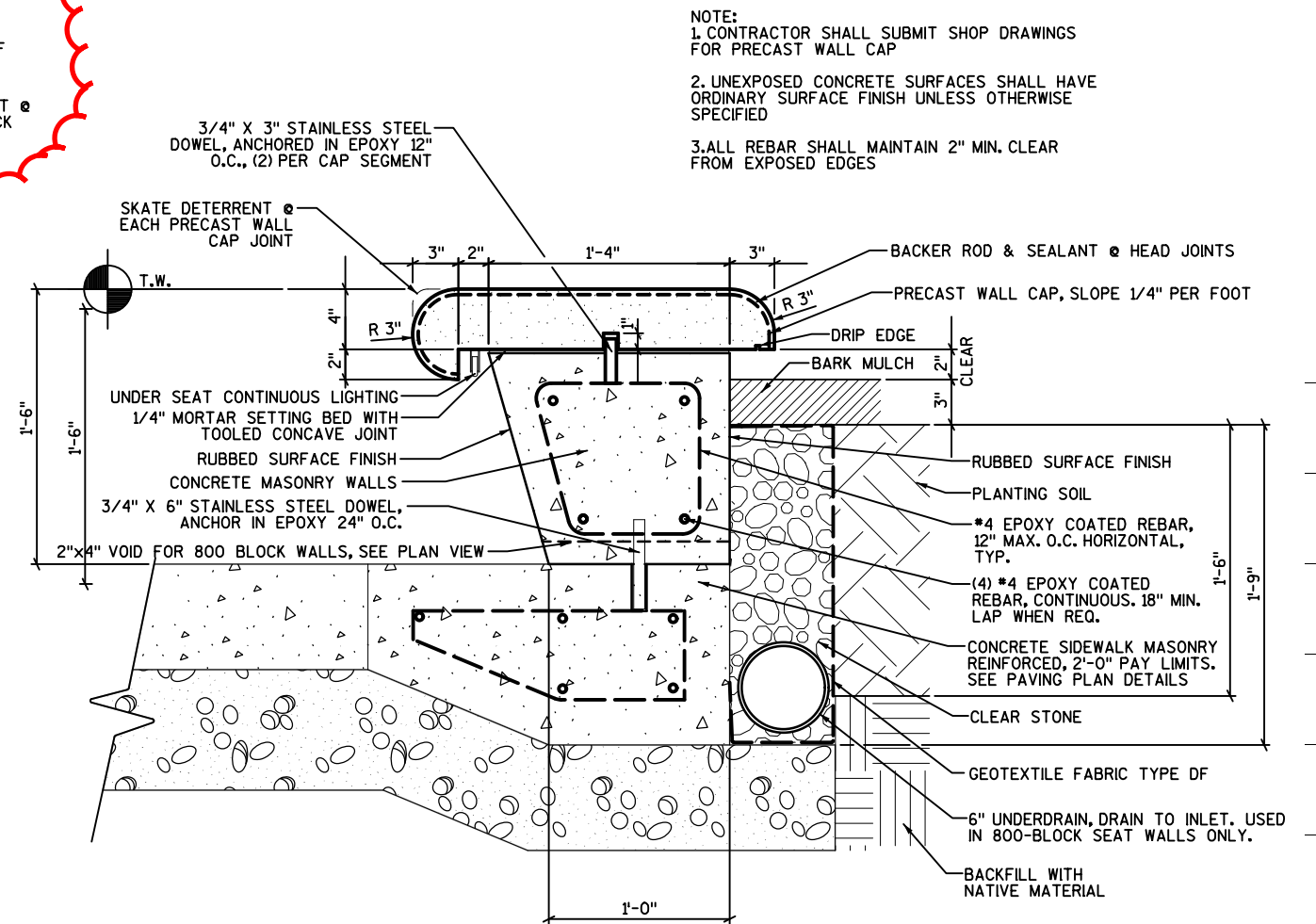
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



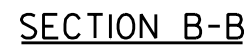
1 DOUBLE TERRACE SEATING @ LIBRARY MALL LAWN
1"=1'-0"



NOTE:
1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR PRECAST WALL CAP
2. UNEXPOSED CONCRETE SURFACES SHALL HAVE ORDINARY SURFACE FINISH UNLESS OTHERWISE SPECIFIED
3. ALL REBAR SHALL MAINTAIN 2" MIN. CLEAR FROM EXPOSED EDGES

2 PLANTER SEAT WALL WITH PRECAST CAP
1"=1'-0"

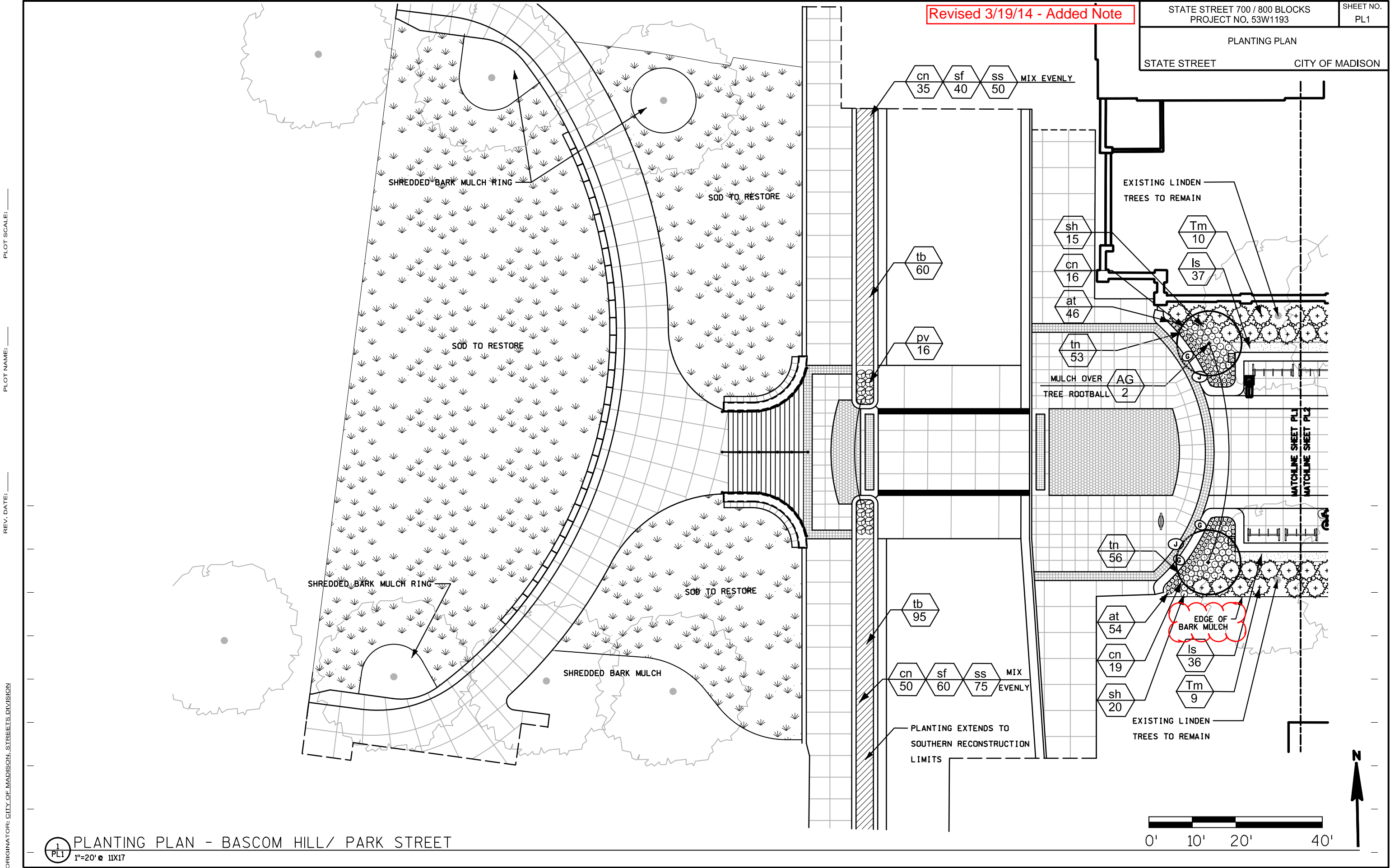
New Sheet - 3/19/14



PLAN VIEW



1 CAST-IN-PLACE CONCRETE WALL AROUND LEAF SCULPTURE FOUNDATION DETAIL
S45/ SCALE: NONE



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

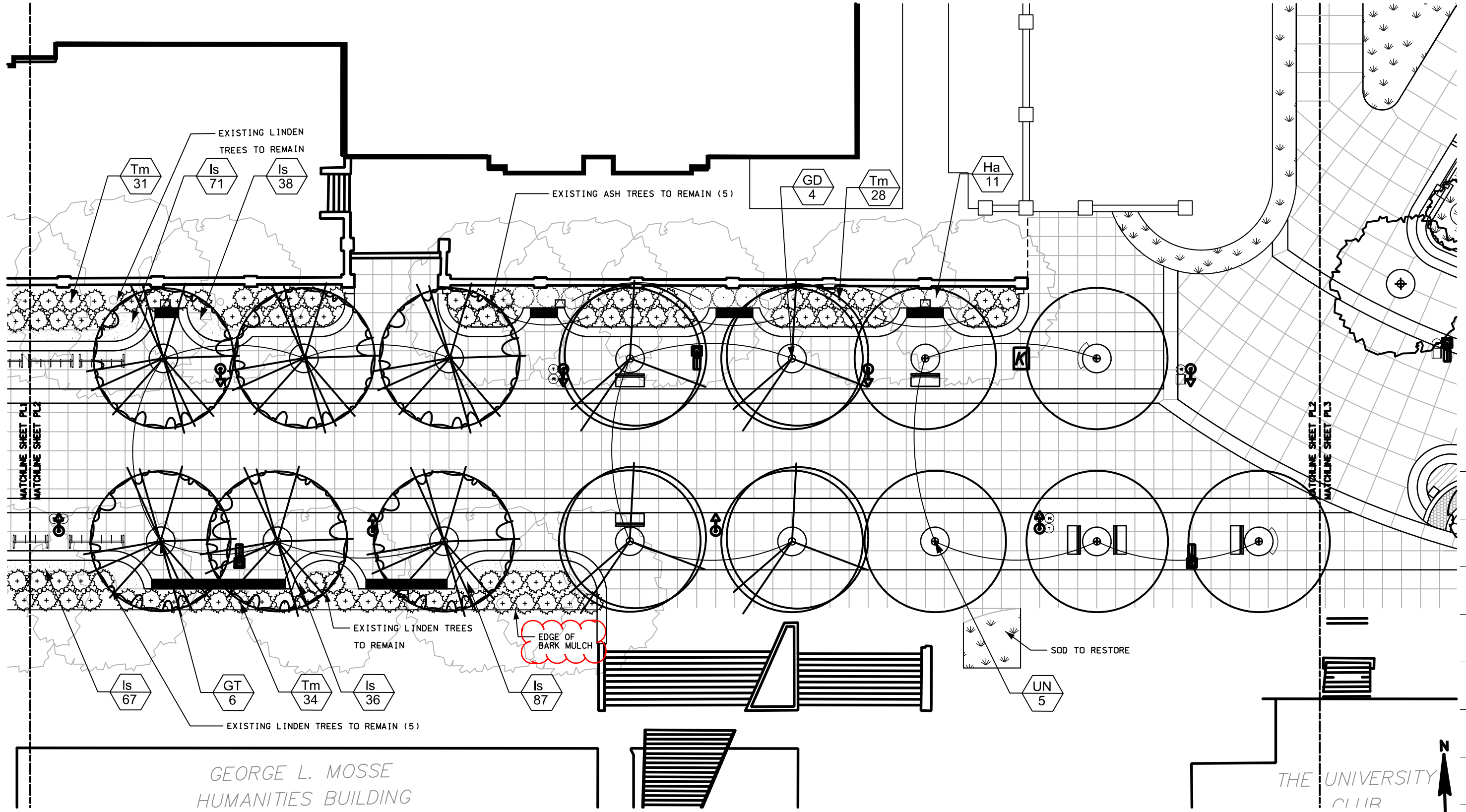
Revised 3/19/14 - Added Note

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



1 PL2 PLANTING PLAN - 800 BLOCK
1"=20' @ 11X17

STATE STREET 700 / 800 BLOCKS
PROJECT NO. 53W1193

SHEET NO.
PL6

PLANTING DETAILS

STATE STREETCITY OF MADISON

Revised 3/18/14 - Revised Note

NOTES:
1. PLANT EACH TREE SUCH THAT THE BASE OF THE ROOT FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.
2. DEPTH OF THE PLANTING HOLE SHOULD BE DETERMINED AND DUG AFTER THE ROOT FLARE IS LOCATED. PLANTING HOLE MUST BE NO DEEPER THAN THE HEIGHT OF THE ROOT BALL.
3. IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT AND REMOVE ENTIRE WIRE BASKET. REMOVE ALL TWINE, ROPE, AND BURLAP FROM ROOT BALL PRIOR TO PLANTING.
4. DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK.
5. PLACE ROOT BALL ON UNEXCAVATED OR TAMPED SOIL.
6. WATER ALL PLANTS WITHIN 2 HOURS OF INSTALLATION.
7. PRUNE ONLY AS NECESSARY TO REMOVE UNHEALTHY BRANCHES. DO NOT REMOVE MORE THAN 1/3 OF THE ORIGINAL PLANT MASS.

2" TYP.

3" DEPTH OF MULCH TO OUTER EDGE OF PLANTING HOLE

PLANTING SOIL

UNDISTURBED GROUND

TAMP SOIL AROUND ROOT BALL BASE FIRMLY WITH FOOT PRESSURE SO THAT BALL DOES NOT SHIFT

TREE PIT WIDTH - 2X BALL DIAMETER MINIMUM

1

PL6

1"=1'-0"

TREE PLANTING

2" TYP.

3" DEPTH OF MULCH TO OUTER EDGE OF PLANTING HOLE

BACKFILL WITH PLANTING SOIL; FREE OF SOIL CLUMPS, ROCKS, AND FOREIGN PARTICLES

UNDISTURBED GROUND

2

PL6

1"=1'-0"

SHRUB PLANTING

BARE ROOT PERENNIAL OR GROUND COVER PLUG, SEE PLANTING PLAN

3" DEPTH SHREDDED HARDWOOD BARK MULCH, KEEP 3" CLEAR OF STEMS

2"

PLANTING SOIL

PREPARED SUBGRADE

3

PL6

1"=1'-0"

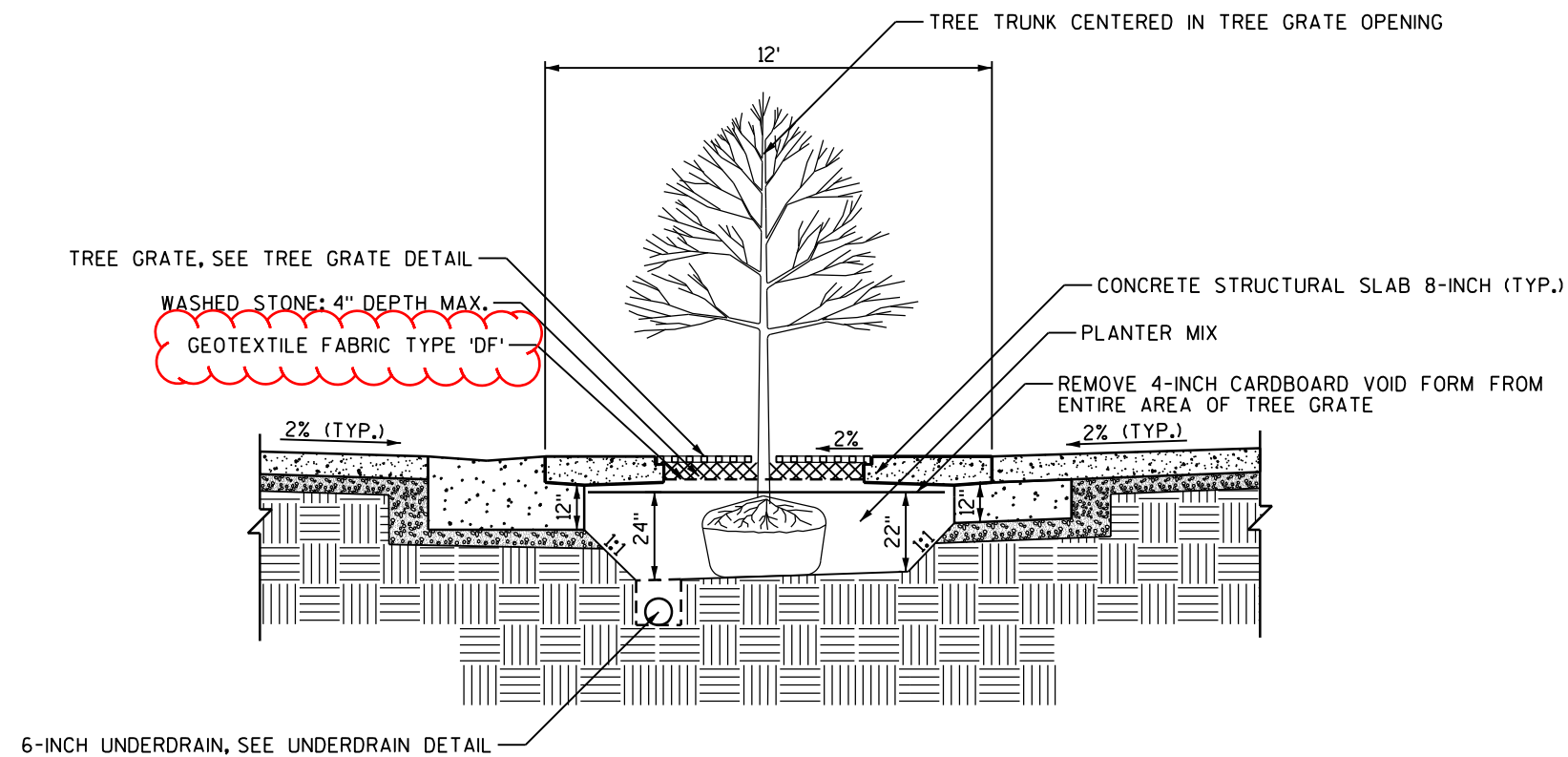
PERENNIAL PLANTING

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

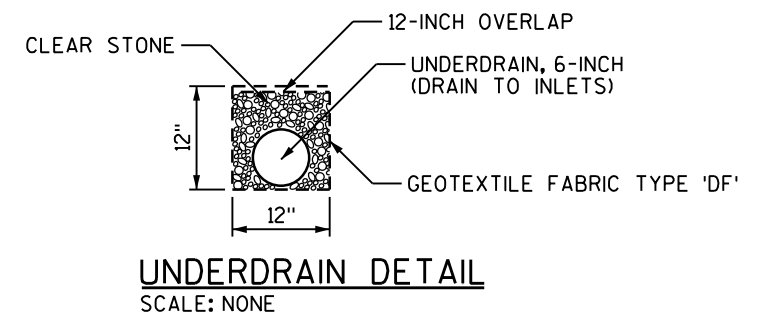
FILE NAME: \$\$\$...designfile...\$\$

DATE: \$\$\$...plottingdate...\$\$

Revised 3/18/14 - Added Geotextile Fabric



TREE PLANTING - TREE GRATE CONDITION
SCALE: NONE

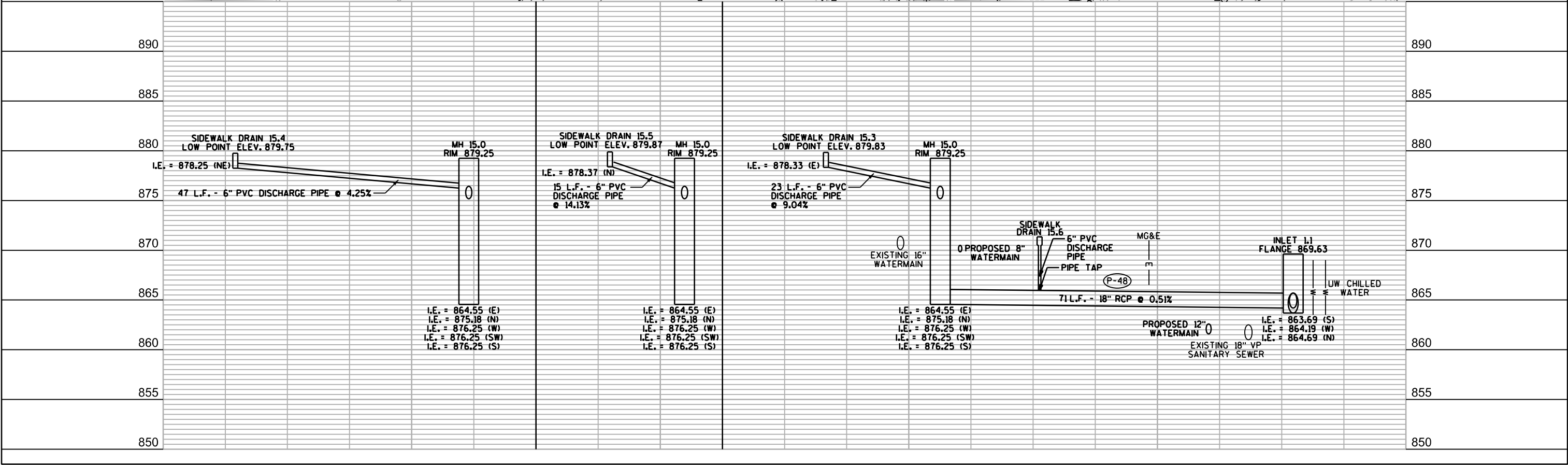
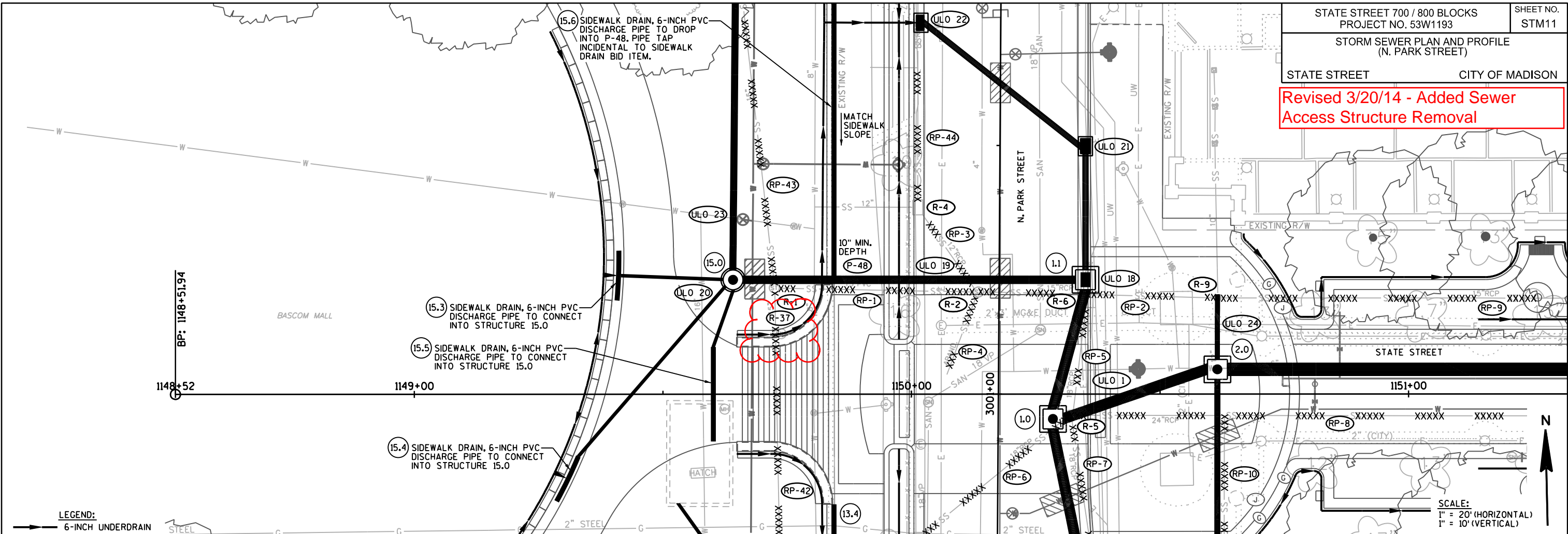


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREET'S DIVISION



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STORM REMOVAL SCHEDULE

ALIGNMENT CODES:

'S' = STATE STREET
'P' = PARK STREET

REMOVE STORM STRUCTURES

ID NO.	STRUCTURE	STATION	LOCATION (OFFSET)	TYPE
R-1	DNE	1149'S'+72.4	LT-21.40	SAS
R-2	AS 4749-001	1150'S'+13.5	LT-20.50	SAS
R-3	IN 4750-009	3000'P'+70.4	LT-15.80	DOUBLE INLET
R-4	IN 4749-002	3001'P'+37.5	LT-16.50	INLET
R-5	AS 4750-001	1150'S'+31.9	RT-4.30	SAS
R-6	DNE	1150'S'+36.5	LT-19.00	INLET
R-7	IN 4750-003	1150'S'+62.9	RT-29.80	INLET
R-8	DNE	3000'P'+56.6	RT-20.70	DOUBLE INLET
R-9	DNE	1150'S'+61.6	LT-19.40	CATCHBASIN
R-10	IN 4749-016	1151'S'+87.4	LT-20.00	CATCHBASIN
R-11	DNE	1152'S'+56.7	LT-0.80	CATCHBASIN
R-12	UW 4750-013	1153'S'+02.5	RT-24.20	SAS
R-13	AS 4750-080	1153'S'+29.1	RT-24.00	SAS
R-14	DNE	1153'S'+14.0	LT-19.10	CATCHBASIN
R-15	DNE	1153'S'+42.0	RT-13.00	CATCHBASIN
R-16	DNE	1153'S'+75.5	LT-3.30	CATCHBASIN
R-17	AS 4750-002	1154'S'+02.0	RT-4.90	SAS
R-18	AS 4850-147	1154'S'+40.8	RT-6.70	SAS
R-19	AS 4850-148	1154'S'+41.7	RT-25.90	SAS
R-20	AS 4849-065	1154'S'+58.6	LT-19.00	SAS
R-21	DNE	1154'S'+75.3	LT-64.60	CATCHBASIN
R-22	DNE	1154'S'+27.6	LT-63.90	CATCHBASIN
R-23	AS 4850-016	1154'S'+58.2	RT-5.00	SAS
R-24	UW 4850-024	1154'S'+99.4	RT-7.90	CATCHBASIN
R-25	UW 4849-047	1155'S'+21.7	LT-0.90	CATCHBASIN
R-26	UW 4846-046	1155'S'+40.3	LT-10.90	CATCHBASIN
R-27	UW 4850-023	1155'S'+71.9	RT-17.20	CATCHBASIN
R-28	DNE	1155'S'+77.5	LT-23.20	CATCHBASIN
R-29	UW 4849-045	1156'S'+34.8	LT-4.90	CATCHBASIN
R-30	DNE	1156'S'+68.6	RT-38.60	INLET
R-31	DNE	1156'S'+77.1	LT-5.00	CATCHBASIN
R-32	UW 4849-044	1157'S'+12.4	LT-4.70	CATCHBASIN
R-33	UW 4849-043	1157'S'+59.7	LT-4.50	CATCHBASIN
R-34	DNE	1158'S'+35.9	LT-15.10	CATCHBASIN
R-35	DNE	1158'S'+36.0	RT-20.20	CATCHBASIN
R-36	IN 4749-004	3001'P'+90.3	LT-58.30	INLET
R-37	DNE	1149'S'+73.8	LT-12.20	SAS

ABANDON INLET

ID NO.	STRUCTURE	STATION	LOCATION (OFFSET)
AI-1	DNE	1155'S'+50.0	LT-49.00

ABANDON STORM SEWER PIPE

ID NO.	ABANDON FROM	ABANDON TO	SIZE	TYPE	LENGTH	NOTES
AB-1	AS 4849-065	AS 4849-031	15"	RCP	5'	REMOVE AS CLOSE AS POSSIBLE TO AS 4849-031
AB-2	DNE	IN 4749-003	12"	RCP	15'	

STORM SEWER PIPE REMOVALS

ID NO.	REMOVE FROM	REMOVE TO	SIZE	TYPE	LENGTH
RP-1	DNE	AS 4749-001	15"	PVC	41
RP-2	AS 4749-001	DNE	15"	RCP	48
RP-3	AS 4749-001	IN 4749-002	12"	RCP	21
RP-4	AS 4749-001	18' SW of AS 4749-001	12"	RCP	18
RP-5	AS 4750-001	DNE	18"	RCP	23
RP-6	AS 4750-001	IN 4750-009	18"	RCP	43
RP-7	AS 4750-001	DNE	18"	RCP	44
RP-8	AS 4750-001	AS 4750-002	24"	RCP	370
RP-9	DNE	DNE	15"	RCP	252
RP-10	IN 4750-003	Tap 26' N of IN 4750-003	12"	RCP	26
RP-11	Tap at Sta. 1151+58, 19' LT.	12' N of Tap	4"	PVC	12
RP-12	IN 4749-016	Tap 12' S of IN 4749-016	12"	RCP	12
RP-13	DNE	Tap 6' S of Catchbasin	12"	RCP	6
RP-14	DNE	AS 4849-065	15"	RCP	145
RP-15	DNE	Tap 8' N of Catchbasin	6"	PVC	8
RP-16	DNE	Tap 8' S of Catchbasin	6"	PVC	8
RP-17	AS 4750-002	AS 4850-016	14" x 23"	HERCP	56
RP-18	AS 4750-002	AS 4850-147	14" x 23"	HERCP	39
RP-19	AS 4850-147	AS 4850-016	18"	PVC	17
RP-20	AS 4850-147	AS 4850-148	15"	PVC	19
RP-21	AS 4850-148	AS 4750-080	12"	RCP	113
RP-22	AS 4750-080	UW 4750-013	12"	RCP	27
RP-23	UW 4750-013	UW 4750-011	12"	RCP	18
RP-24	AS 4849-065	AB-1	15"	RCP	409
RP-25	AS 4850-016	9' NW of IN 4850-020	12"	CMP	23
RP-26	AS 4850-016	TP 4850-022	30"	RCP	413
RP-27	Tap at Sta. 1154+77, 19' LT.	DNE	12"	RCP	46
RP-28	DNE	DNE	8"	RCP	48
RP-29	UW 4850-024	Tap 3' N of UW 4850-024	12"	RCP	3
RP-30	UW 4849-047	Tap 6' S of UW 4849-047	12"	RCP	6
RP-31	UW 4846-046	Tap 16' S of UW 4846-046	12"	RCP	16
RP-32	UW 4850-023	Tap 12' N of UW 4850-023	12"	RCP	12
RP-33	DNE	Tap 5' S of Catchbasin	12"	RCP	5
RP-34	UW 4849-045	Tap 10' S of UW 4849-045	12"	RCP	10
RP-35	DNE	Tap 34' N of Catchbasin	12"	RCP	34
RP-36	DNE	Tap 11' S of Catchbasin	12"	RCP	11
RP-37	UW 4849-044	Tap 11' S of UW 4849-044	12"	RCP	11
RP-38	UW 4849-043	Tap 10' S of UW 4849-043	12"	RCP	10
RP-39	DNE	Tap 21' S of Catchbasin	12"	RCP	21
RP-40	DNE	Tap 14' N of Catchbasin	12"	RCP	14
RP-41	IN 4750-009	AS 4750-008	15"	RCP	36
RP-42	Connection at Sta. 3000+49, 43' LT.	DNE	15"	RCP	72
RP-43	DNE	IN 4749-004	15"	RCP	70
RP-44	IN 4749-002	Connection at Sta. 3001+65, 16' LT.	12"	RCP	28
RP-45	IN 4749-004	AB-2	12"	RCP	22

STATE STREET 700 / 800 BLOCKS
PROJECT NO. 53W1193

SHEET NO.
STM14

STORM SEWER REMOVAL SCHEDULE

STATE STREET

CITY OF MADISON

Revised 3/20/14 - Added Sewer
Access Structure Removal

STORM SEWER SCHEDULE

ALIGNMENT CODES:

'S'= STATE STREET
'P'= PARK STREET

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
1.0	1150'S'+28.5	RT-5.00	4'X4' SAS	870.16	863.55	6.61	FP; R1550-0054
1.1	3001'P'+23.1	RT-17.40	4'X4' SAS	869.63	863.69	5.94	LP; R3067-7004-R
1.2	3000'P'+49.6	RT-19.90	4'X4' SAS	869.22	863.69	5.53	R3067-7004-R
2.0	1150'S'+61.5	LT-5.00	4'X4' SAS	869.36	862.15	7.21	R1550-0054
2.1	1150'S'+61.5	RT-30.50	H INLET	869.22	865.05	4.17	LP; R3067-CQ
3.0	1151'S'+66.0	LT-5.00	4'X4' SAS	865.48	859.18	6.30	R1550-0054
3.1	1151'S'+66.0	LT-11.25	H INLET	865.38	860.08	5.30	FP; LP; R3067-CQ
3.2	1151'S'+57.9	LT-30.10	H INLET	865.89	860.18	5.71	LP; R1878-B7G
3.3	1151'S'+66.0	RT-11.25	H INLET	865.38	861.26	4.12	LP; R3067-CQ
3.4	1151'S'+73.0	RT-30.50	H INLET	866.35	861.36	4.99	LP; R1878-B7G
4.0	1152'S'+58.0	LT-5.00	4'X4' SAS	865.03	858.90	6.13	FP; R1550-0054
4.1	1152'S'+58.0	LT-11.25	H INLET	864.93	860.94	3.99	FP; LP; R3067-CQ
4.2	1152'S'+58.0	RT-11.25	H INLET	864.93	860.98	3.95	LP; R3067-CQ
5.0	1152'S'+92.5	LT-4.00	4'X4' SAS	865.04	858.80	6.24	FP; R1550-0054
6.0	1153'S'+73.1	LT-5.00	4'X4' SAS	863.64	856.75	6.89	FP; R1550-0054
6.1	1153'S'+84.3	LT-27.20	H INLET	863.30	859.80	3.50	R3067-CQ
6.2	1153'S'+73.1	RT-9.97	H INLET	863.24	859.75	3.49	LP; R3067-CQ
6.3	1153'S'+82.4	RT-13.74	H INLET	863.38	859.80	3.58	LP; R3067-CQ
7.0	1154'S'+38.7	LT-5.00	4'X4' SAS	862.79	856.55	6.24	FP; R1550-0054
7.1	1154'S'+41.7	RT-25.90	4'X4' SAS	863.08	858.45	4.63	R1550-0054
7.2	1154'S'+24.1	RT-24.81	H INLET	863.16	858.79	4.37	R3067-CQ
7.3	1154'S'+65.9	RT-25.91	H INLET	862.88	859.35	3.53	LP; R3067-CQ
8.0	1155'S'+01.6	LT-5.00	4'X4' SAS	862.53	856.37	6.16	R1550-0054
8.1	1155'S'+01.6	LT-21.43	H INLET	862.23	858.46	3.77	R3067-CQ
8.2	1154'S'+95.1	LT-21.43	H INLET	862.25	858.51	3.74	R3067-CQ
9.0	1155'S'+86.0	LT-5.00	4'X4' SAS	860.50	856.13	4.37	FP; R1550-0054
9.1	1155'S'+86.0	LT-11.25	H INLET	860.40	857.59	2.81	FP; LP; R3067-CQ
9.2	1155'S'+76.0	LT-11.25	H INLET	860.66	857.64	3.02	FP; R3067-CQ
9.3	1155'S'+86.0	RT-11.25	H INLET	860.80	857.63	3.17	LP; R3067-CQ
10.0	1157'S'+14.0	RT-29.00	3'X3' SAS	861.19	856.50	4.69	R1550-0054
10.1	1156'S'+71.5	RT-29.00	3'X3' SAS	861.22	856.71	4.51	R1550-0054
10.2	1156'S'+71.5	RT-147.90	H INLET	861.90	857.80	4.10	FP, LP, R3067-7009
10.3	-	RT-34.67	SIDEWALK DRAIN	861.27	859.85	1.42	R4990-CX-P, BOLTED (10-FOOT LENGTH)
11.0	1157'S'+14.0	LT-5.00	4'X4' SAS	860.33	855.78	4.55	FP; R1550-0054
11.1	1157'S'+14.0	LT-11.25	H INLET	860.22	857.24	2.98	FP; LP; R3067-CQ
11.2	1157'S'+14.0	RT-11.25	H INLET	860.62	856.41	4.21	LP; R3067-CQ
12.0	1158'S'+02.0	LT-5.00	4'X4' SAS	860.42	855.53	4.89	FP; R1550-0054
12.1	1158'S'+02.0	LT-11.25	H INLET	860.50	856.99	3.51	FP; LP; R3067-CQ
12.2	1158'S'+02.0	RT-11.25	H INLET	860.20	857.03	3.17	LP; R3067-CQ
12.3	1157'S'+92.0	RT-11.25	H INLET	860.34	857.08	3.26	R3067-CQ
13.0	3000'P'+49.4	LT-15.30	H INLET	869.86	864.02	5.84	LP; R-3067C TYPE L
13.1	3000'P'+42.1	LT-15.20	H INLET	869.77	864.30	5.47	LP; R-3067C TYPE L
13.2	3000'P'+49.2	LT-43.40	4' DIA. SAS	876.31	864.80	11.51	R-1550 - UW
13.3	3000'P'+39.6	RT-20.60	H INLET	869.22	864.74	4.48	R3067-7004-R
13.4	-	-	SIDEWALK DRAIN	DNA	NA	DNA	R4990-CX-P, BOLTED (45-FOOT LENGTH)
14.1	1148'S'+75.6	RT-56.60	H INLET	885.50	881.50	4.00	R1878-B7G-A
15.0	1149'S'+64.1	LT-23.00	4' DIA. SAS	879.25	864.55	14.70	R-1550 - UW
15.1	3001'P'+90.3	LT-53.30	4' DIA. SAS	880..35	877.42	2.93	R-1550 - UW
15.2	3001'P'+98.4	LT-122.80	H INLET	888.85	885.00	3.85	R1878-B7G-A
15.3	-	-	SIDEWALK DRAIN	DNA	DNA	DNA	R4990-CX-A, BOLTED (10-FOOT LENGTH)
15.4	-	-	SIDEWALK DRAIN	DNA	DNA	DNA	R4990-CX-A, BOLTED (10-FOOT LENGTH)
15.5	-	-	SIDEWALK DRAIN	DNA	DNA	DNA	R4990-CX-Q, BOLTED (20-FOOT LENGTH)
15.6	-	-	SIDEWALK DRAIN	DNA	DNA	DNA	R4990-CX-P, BOLTED (80-FOOT LENGTH)
16.0	3001'P'+50.0	RT-17.20	H INLET	869.80	864.94	4.86	R3067-7004-R
16.1	3001'P'+74.6	LT-16.00	H INLET	870.30	865.35	4.95	R-3067C TYPE L

ADJUST STRUCTURES

ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	TYPE
AS 4750-008	3000'P'+32.4	LT-21.00	871.87	EX. SAS

Revised 3/21/14 - Added Casting Type for Structure 10.2 and clarified top of casting elevations.

STATE STREET 700 / 800 BLOCKS
PROJECT NO. 53W1193

SHEET NO.
STM15

STORM SEWER SCHEDULE

STATE STREET

CITY OF MADISON

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES

- APPROXIMATE DISCHARGE ET GIVEN, ADJUST ELEV AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING ELEVATION GIVEN IS THE FINAL SURFACE/PAVEMENT GRADE FOR R-1550 CASTINGS, FLOWLINE/PAVEMENT GRADE FOR THE R-3067 CASTINGS SINCE THESE GRATES ARE FLAT ACROSS THE TOP AND FLAG/FLANGE ELEVATION FOR THE R-3067-7004-R CASTINGS.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BESUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT GREG FRIES OF CITY ENGINEERING AT (608) 267-1199 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

SPECIFIC NOTES:

-R-1550-UW = NEENAH R-1550 FRAME WITH TYPE B LID, NON-ROCKING, SELF SEALING, WITH CONCEALED PICKHOLE STANARD TEXT "STORM" CAST INTO THE TOP

UTILITY LINE OPENING SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ULO 1	1150'S'+40.5	RT-1.00	CHILLED WATER	
ULO 2	1150'S'+32.5	LT-14.50	BURIED ELECTRIC	
ULO 3	1150'S'+32.0	RT-28.50	GAS	3000'P'+71.7, RT-15.00
ULO 4	1152'S'+98.0	RT-29.00	GAS	
ULO 5	1153'S'+77.0	LT-15.00	BURIED ELECTRIC	
ULO 6	1154'S'+09.0	LT-5.00	TELEPHONE & BURIED ELECTRIC	UW ELECTRIC & SIGNAL
ULO 7	1154'S'+44.0	LT-5.00	BURIED ELECTRIC	
ULO 8	1154'S'+27.5	RT-24.50	GAS	
ULO 9	1155'S'+01.5	LT-15.00	BURIED ELECTRIC	
ULO 10	1155'S'+01.5	LT-2.00	GAS	
ULO 11	1155'S'+86.0	LT-2.00	GAS	
ULO 12	1156'S'+63.0	LT-2.00	GAS & BURIED ELECTRIC	
ULO 13	1157'S'+14.0	LT-2.00	GAS	
ULO 14	1158'S'+02.0	LT-1.00	GAS	
ULO 15	3000'P'+49.5	RT-22.50	CHILLED WATER & GAS	
ULO 16	3000'P'+39.5	RT-22.50	CHILLED WATER & GAS	
ULO 17	3000'P'+49.5	LT-11.00	BURIED ELECTRIC	
ULO 18	3001'P'+23.0	RT-21.50	CHILLED WATER	1150'S'+39.0, LT-23.50
ULO 19	3001'P'+23.0	LT-11.50	BURIED ELECTRIC	1150'S'+06.0, LT-23.00
ULO 20	3001'P'+19.5	LT-59.00	WATER	1149'S'+58.0, LT-19.20
ULO 21	3001'P'+50.0	RT-21.00	CHILLED WATER	
ULO 22	3001'P'+72.0	LT-11.50	BURIED ELECTRIC	
ULO 23	3001'P'+35.0	LT-53.50	WATER	1149'S'+64.0, LT-35.50
ULO 24	1150'S'+61.5	LT-14.00	BURIED ELECTRIC	
ULO 25	1151'S'+65.5	LT-13.50	BURIED ELECTRIC	
ULO 26	1151'S'+73.0	RT-32.00	GAS	
ULO 27	1152'S'+92.5	LT-14.50	BURIED ELECTRIC	
ULO 28	1153'S'+64.0	LT-5.00	STEAM	UW STEAM BOX
ULO 29	1154'S'+41.7	RT-25.90	BURIED ELECTRIC	
ULO 30	1153'S'+92.0	LT-5.00	BURIED ELECTRIC	UW DUCTBANK
ULO 31	1154'S'+32.0	LT-5.00	BURIED ELECTRIC	UW DUCTBANK
RACM 1	1150'S'+35.0	RT-38.00	ABANDONED STEAM	3000'P'+62.0, RT-17.50
RACM 2	1155'S'+86.0	RT-27.00	ABANDONED STEAM	
RACM 3	1156'S'+75.0	RT-27.00	ABANDONED STEAM	
RACM 4	1156'S'+68.5	RT-147.00	ABANDONED STEAM	

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.
* ESTIMATE OF MATERIALS SHOWN ON THIS PAGE DOES NOT INCLUDE QUANTITIES FOR WATER UTILITY LISTED ON SHEET W9.

30-FT - 6-IN PIPE
200-FT - 8-IN PIPE
1 - 6-IN VALVE & BOX
3 - 8-IN VALVE & BOX
1 - 8-IN X 6-IN TEE
1 - 8-IN X 8-IN TEE
4 - 8-IN 90° BEND
16-FT - 2-IN STYROFOAM INSULATION

STATE STREET 700 / 800 BLOCKS
PROJECT NO. 53W1193
WATERMAIN PLAN AND PROFILE
(BASCOM MALL)
STATE STREET CITY OF MADISON

Revised 3/21/14 - Added 'Water Meter Pit Access Relocation' note

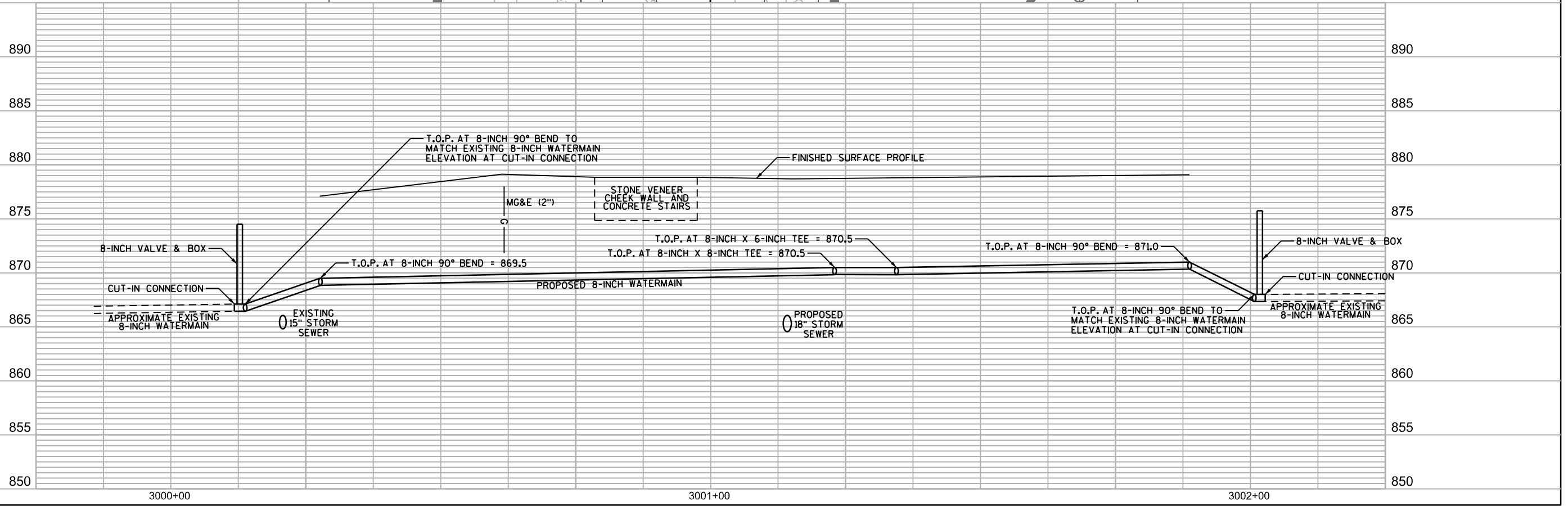
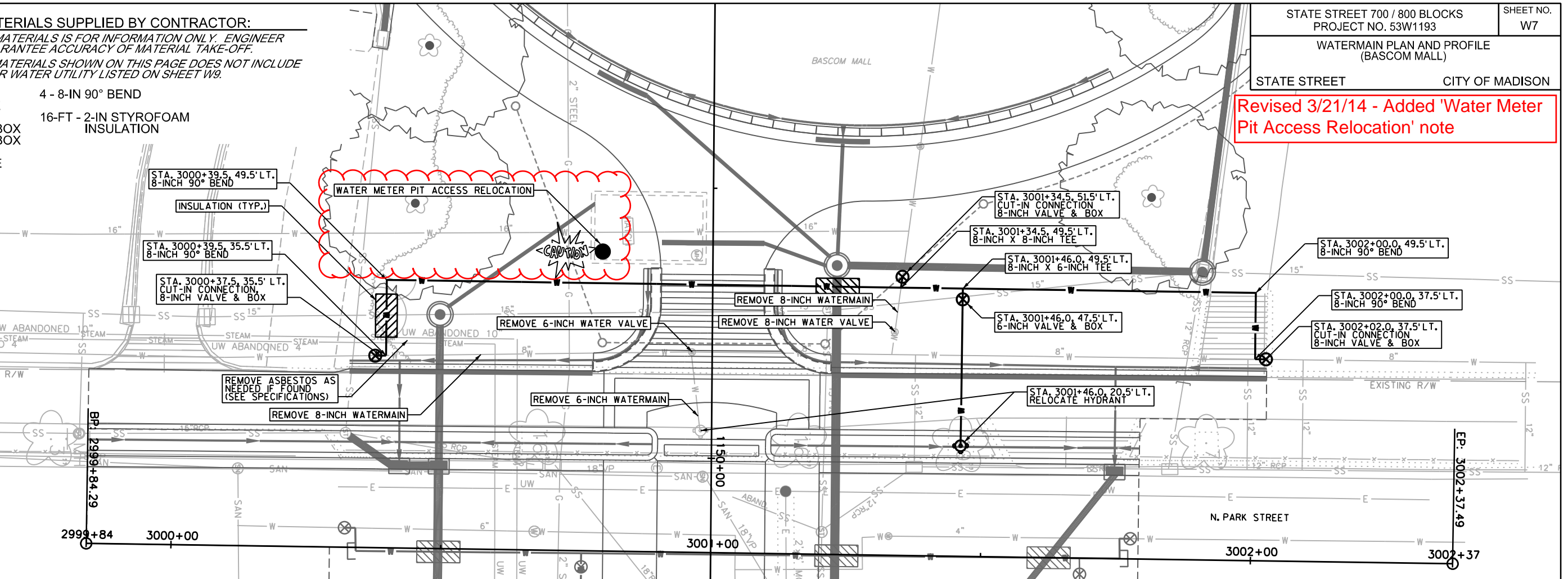
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREET'S DIVISION

SCALE:
1" = 20' (HORIZONTAL)
1" = 10' (VERTICAL)

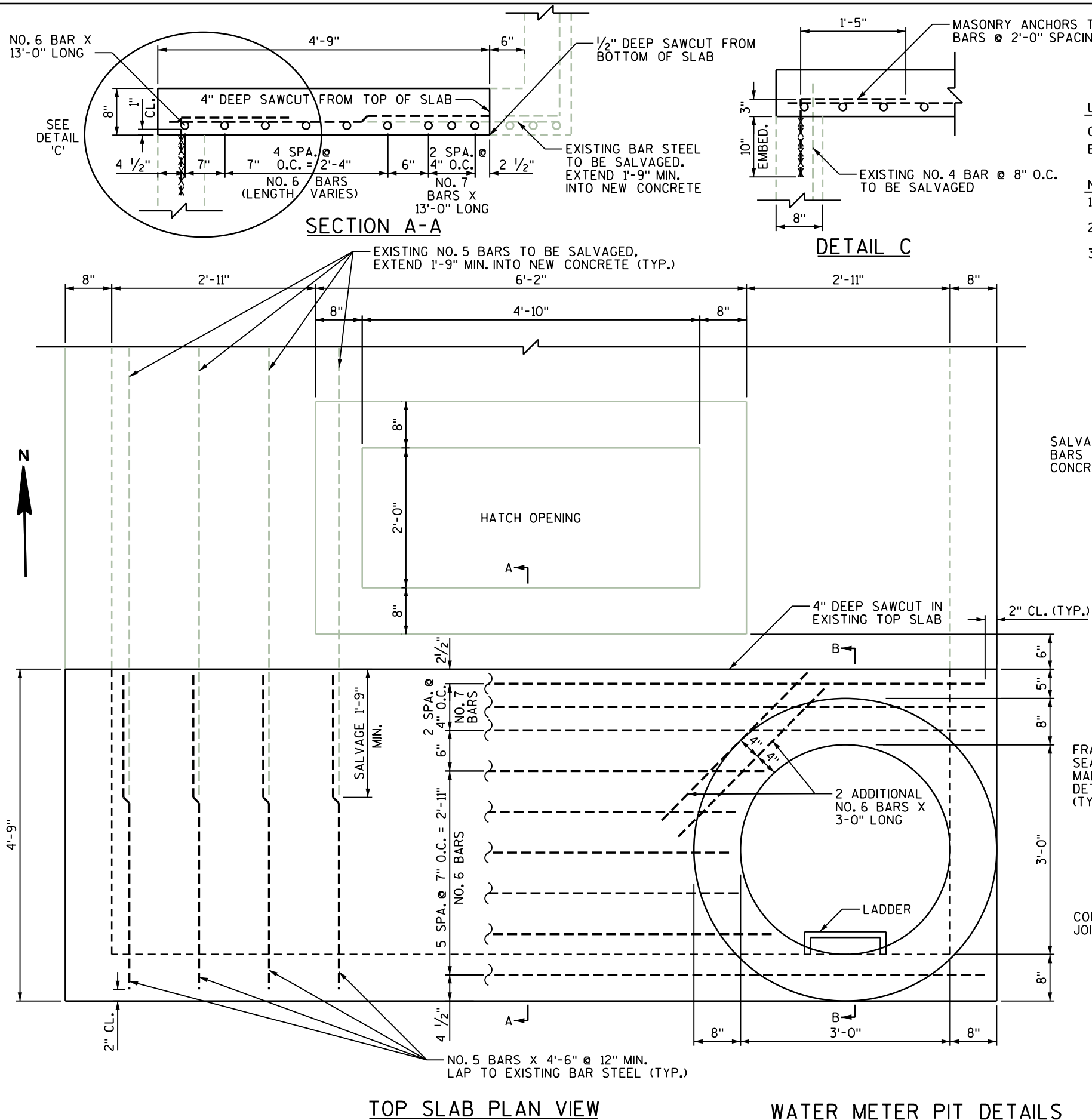


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



WATER METER PIT DETAILS
SCALE: NONE BASCOM MALL

New Sheet - 3/21/14

ULTIMATE DESIGN STRESSES:

CONCRETE $f'_c = 3,500$ P.S.I.
BAR STEEL REINFORCEMENT HS $f_y = 60,000$ P.S.I.

NOTES:

1. NEW SLAB SECTION WAS DESIGNED FOR A MAXIMUM WHEEL LOAD OF 6,000 LBS.
2. MASONRY ANCHORS TYPE L NO. 4 BARS SHALL DEVELOP A MINIMUM PULLOUT CAPACITY OF 12 KIPS.
3. COVER ALL EXTERNAL SURFACES OF NEW CONCRETE WITH RUBBERIZED MEMBERANE WATERPROOFING. EXTEND TO 1'-0" BELOW THE CONSTRUCTION JOINT AT THE TOP OF THE WALLS AND EXTEND TO 2'-0" BEYOND THE CONSTRUCTION JOINT IN THE TOP SLAB.

