

- GRADING PLAN LEGEND**
- 820 --- EXISTING MAJOR CONTOURS
 - 818 --- EXISTING MINOR CONTOURS
 - --- PROPOSED MAJOR CONTOURS
 - --- PROPOSED MINOR CONTOURS
 - SILT FENCE
 - 2.92% PROPOSED SLOPE ARROWS
 - 1048.61 EXISTING SPOT ELEVATIONS
 - ME MATCH EXISTING ELEVATIONS
 - 1048.61 PROPOSED SPOT ELEVATIONS
 - INLET PROTECTION
 - CONSTRUCTION ACCESS/TRACKING PAD
 - LIMITS OF DISTURBANCE

DIGGERS HOTLINE
 Dial 811 or (800) 242-8511
 www.DiggersHotline.com



CALL DIGGER'S HOTLINE
 1-800-242-8511
 TOLL FREE
 TELEFAX: 1-800-338-3860
 TDC (FOR HEARING IMPAIRED):
 1-800-542-2289
 WIS. STATUTE 182.0175 (1979)
 REQUIRES MINIMUM OF 3 WORKING DAYS
 NOTICE BEFORE YOU EXCAVATE.

THE LOCATION OF EXISTING UTILITIES, BOTH UNDERGROUND AND OVERHEAD ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

CALL DIGGER'S HOTLINE
 1-800-242-8511

DISCLAIMER PLAN NOTE: THE EXISTING TOPOGRAPHIC AND BOUNDARY SITE INFORMATION USED AS A BASIS FOR ENGINEERING DESIGN WORK REPRESENTED ON THESE PLANS WAS PERFORMED BY JSD PROFESSIONAL SERVICES, INC. FOR A SURVEY DATED JULY 15, 2015. VIERBICHER ASSOCIATES, INC. AND THE APPLICABLE REPRESENTATIVES OF THE MSR DESIGN TEAM ASSUME NO RESPONSIBILITY FOR ANY DISCREPANCY BETWEEN THIS EXISTING BASE INFORMATION AND CURRENT FIELD CONDITIONS.

MSR 710 South 2nd Street, 8th Floor
 Minneapolis, Minnesota 55401-2282

Architecture 612 375 0336 tel
 Interiors and Urban Design 612 342 2216 fax
 www.msrdesign.com

Civil Engineering and Landscape Architects
Ken Saiki Design, Inc
 303 South Peterson St
 Madison, WI 53703
 608.251.3600 tel

Structural Engineering, Technology, AV
KJWW
 1800 Denning Way, Suite 200
 Middleton, WI 53713
 608.223.9600 tel

MEP Engineers
MEP Associates
 860 Blue Geranium Road, Suite 175
 Eagan, MN 55121
 651.379.9120 tel

Lighting Designer
Gallina Design
 32522 County 7
 Chaska, MN 55923
 507.867.1628 tel

Preservation Architect
Charles Quagliana, AIA
 5641 Wilmshurst Rd
 Mazomanie, WI 53560
 608.449.9689 tel

Building Envelope Consultant
Insite Consulting Architects
 115 E. Main Street, Suite 200
 Madison, WI 53703
 608.204.0825 tel

Fire & Code Consultant
Summit Fire Consulting
 375 Minnehaha Ave. W.
 St. Paul, MN 55103
 651.251.1879 tel

Acoustical Consultant
KRA
 4626 Chicago Avenue South, Suite 206
 Minneapolis, MN 55417
 612.374.3800 tel

Civil Engineers
VIERBICHER
 999 Fourier Drive, Suite 201
 Madison, WI 53717

Madison Municipal Building Renovation
 BPW Project #7939
 215 Martin Luther King, Jr. Blvd
 Madison, WI 53703

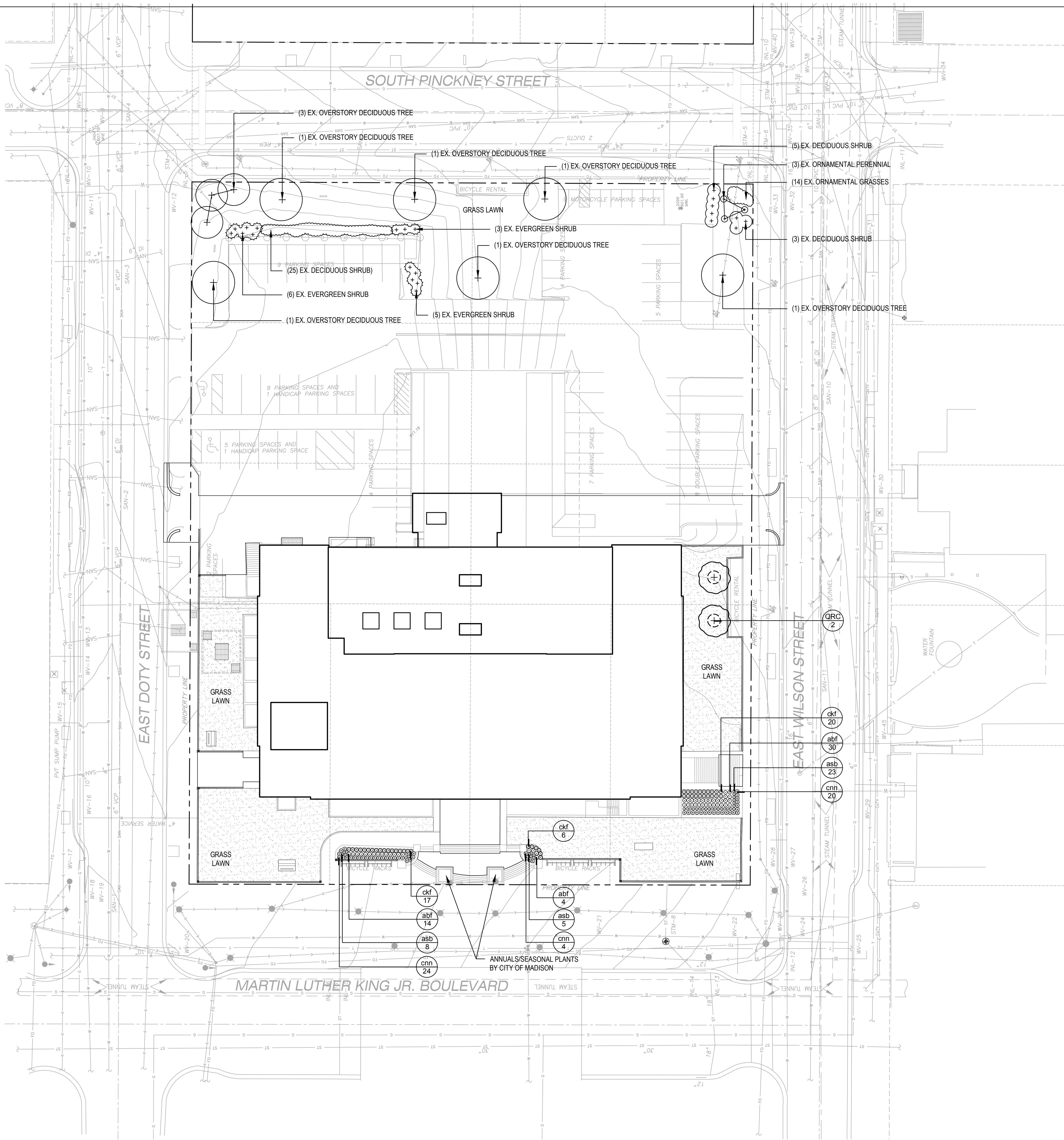
I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Wisconsin. ARCHITECT SEAL

Signature:	
Print Names:	
Date:	License No.:
ISSUE	
MARK DATE DESCRIPTION	
	03.24.2017 BID SET

PROJECT NO. 2014057
 PROJECT PHASE BID SET
 DRAWN BY: CHECKED BY:

GRADING AND EROSION CONTROL PLAN

EXHIBIT D C103



PLANT SCHEDULE

DECIDUOUS TREES	CODE	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	QTY
	QRC	Quercus robur 'Crimschmidt' TM / Crimschmidt English Oak	B & B	3'Cal	10' HT. (MIN.)	2

HERBACEOUS PERENNIALS	CODE	BOTANICAL NAME / COMMON NAME	SIZE	FIELD2	FIELD3	QTY
	abf	Agastache x 'Blue Fortune' / Anise Hyssop	1 gal			48
	asb	Allium tanguticum 'Summer Beauty' / Summer Beauty Globe Lily	1 gal			36
	cnn	Calamintha nepeta ssp. nepeta / Lesser Calamint	1 gal			48

ORNAMENTAL GRASSES	CODE	BOTANICAL NAME / COMMON NAME	SIZE	FIELD2	FIELD3	QTY
	ckf	Calamagrostis x acutiflora 'Karl Foerster' / Feather Reed Grass	1 gal			43

GRASS SEED "CAPITAL CITY PARKS" MIX BY HERITAGE SEED COMPANY, OR APPROVED EQUAL. MIX DESIGNED FOR BOTH SUNNY AND SHADY CONDITIONS. MIX INCLUDES:

- 50% ELITE KENTUCKY BLUEGRASS VARIETIES.
- 25% ELITE PERENNIAL RYEGRASS VARIETIES.
- 13% ELITE CREEPING RED FESCUE.
- 12% ELITE CHEWINGS FESCUE.

SEED OVER ALL DISTURBED AREAS. PROVIDE 6" (MIN.) TOPSOIL PRIOR TO SEEDING WHERE DISTURBANCE HAS REMOVED EXISTING TOPSOIL. OVERSEED EXISTING UNDISTURBED LAWN AREAS AS NECESSARY. APPLY EROSION CONTROL MAT, CLASS I-TYPE A URBAN OVER ALL AREAS TO BE SEEDED.

Madison Municipal Building
7-Oct-16

Developed Lots	SF	Acres	Landscape Points Subtotal
Total Developed Area (Lot - Building Area)	39,611	0.91	
Landscape Points (5 pts/300 SF for first 5 acres, 1 pt/100 SF for additional)			660
			Landscape Points Required 660

Development Frontage (Madison Municipal Building)	LF	Overstory Trees Required *	Shrubs Required
Total LF of Street Frontage Between Parking/Building & Street	1,006	34	168

Element	Point Value	Quantity Proposed	Quantity Existing	Points Achieved
Overstory Deciduous Tree	35	2	9	385
Tall Evergreen Tree	35	0	0	0
Ornamental Tree	15	0	0	0
Upright Evergreen Shrub	10	0	0	0
Shrub, deciduous	3	0	33	99
Shrub, evergreen	4	0	14	56
Ornamental Grass/Perennial	2	0	17	34
			Development Frontage Points Total	574

Interior Parking Lots	SF	Overstory Trees Required*
Total Parking Lot Area	25212	8
Min. Parking Lot Islands (5% for developed site)	1,261	

Element	Point Value	Quantity Proposed	Quantity Existing	Points Achieved
Overstory Deciduous Tree	35	0	0	0
Ornamental Tree	15	0	0	0
Upright Evergreen Shrub	10	0	0	0
Shrub, deciduous	3	0	0	0
Shrub, evergreen	4	0	0	0
Ornamental Grass/Perennial	2	0	0	0
			Development Frontage Points Total	0

General Site, Foundation, Screening
6-8' ht. screening shall be provided along side and rear property boundaries adjacent to residential districts (in front yard setback screening shall not exceed 4' ht.)

Element	Point Value	Quantity Proposed	Quantity Existing	Points Achieved
Overstory Deciduous Tree	35	0	0	0
Tall Evergreen Tree	35	0	0	0
Ornamental Tree	15	0	0	0
Upright Evergreen Shrub	10	0	0	0
Shrub, deciduous	3	0	0	0
Shrub, evergreen	4	0	0	0
Ornamental Grass/Perennial	2	175	0	350
Ornamental/Decorative Fence or Wall (4 pts/10 LF)	4	0	0	0
			Foundation Plantings Total	350

TOTAL LANDSCAPE POINTS 924

MSR
710 South 2nd Street, 8th Floor
Minneapolis, Minnesota 55401-2282
Architecture: 612.375.0336 tel
Interiors and Urban Design: 612.342.2216 fax
www.msrdesign.com

Civil Engineering and Landscape Architects
Ken Saiki Design, Inc
303 South Patterson St
Madison, WI 53703
608.251.3600 tel

Structural Engineering, Technology, AV
KJWW
1800 Denning Way, Suite 200
Madison, WI 53713
608.223.9600 tel

MEP Engineers
MEP Associates
860 Blue Garden Road, Suite 175
Eagan, MN 55121
651.379.9120 tel

Lighting Designer
Gallina Design
30232 County 7
Chaska, MN 55923
507.867.1628 tel

Preservation Architect
Charles Quagliana, AIA
5641 Wiloughby Rd
Madison, WI 53705
608.449.9589 tel

Building Envelope Consultant
Insite Consulting Architects
115 E. Main Street, Suite 200
Madison, WI 53703
608.204.0825 tel

Fire & Code Consultant
Summit Fire Consulting
575 Minnehaha Ave. W.
St. Paul, MN 55103
651.251.1979 tel

Acoustical Consultant
KRA
4826 Chicago Avenue South, Suite 206
Minneapolis, MN 55417
612.374.3900 tel

Civil Engineers
VIERBICHER
999 Fourier Drive, Suite 201
Madison, WI 53717

Madison Municipal Building Renovation
BPW Project #7939
215 Martin Luther King, Jr. Blvd
Madison, WI 53703

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Wisconsin.
ARCHITECT SEAL

Signature: _____
Print Name: _____
Date: _____ License No: _____

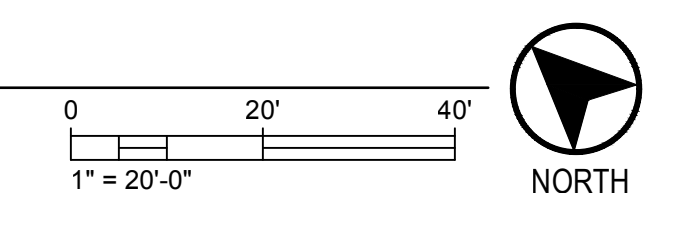
ISSUE	DATE	DESCRIPTION
	03/24/2017	BID ISSUE

PROJECT NO. 2014057
PROJECT PHASE BID ISSUE
DRAWN BY KSD CHECKED BY KSD

LANDSCAPE PLAN

EXHIBIT D C104

1 LANDSCAPE PLAN
SCALE: 1" = 20'-0"



EROSION CONTROL MEASURES

1. EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON EROSION CONTROL ORDINANCE AND CHAPTER NR 216 OF THE WISCONSIN ADMINISTRATIVE CODE.
2. CONSTRUCT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH WISCONSIN DNR TECHNICAL STANDARDS (<http://dnr.wi.gov/runoff/stormwater/techstds.htm>) AND WISCONSIN CONSTRUCTION SITE BEST MANAGEMENT PRACTICE HANDBOOK.
3. INSTALL SEDIMENT CONTROL PRACTICES (TRACKING PAD, PERIMETER SILT FENCE, SEDIMENT BASINS, ETC.) PRIOR TO INITIATING OTHER LAND DISTURBING CONSTRUCTION ACTIVITIES.
4. THE CONTRACTOR IS REQUIRED TO MAKE EROSION CONTROL INSPECTIONS AT THE END OF EACH WEEK AND WHEN 0.5 INCHES OF RAIN FALLS WITHIN 24 HOURS. INSPECTION REPORTS SHALL BE PREPARED AND FILED AS REQUIRED BY THE DNR AND/OR CITY. ALL MAINTENANCE WILL FOLLOW AN INSPECTION WITHIN 24 HOURS.
5. EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTANCE OF THIS PROJECT. EROSION CONTROL MEASURES AS SHOWN SHALL BE THE MINIMUM PRECAUTIONS THAT WILL BE ALLOWED. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE DEVELOPER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
6. A 3" CLEAR STONE TRACKING PAD SHALL BE INSTALLED AT THE END OF ROAD CONSTRUCTION LIMITS TO PREVENT SEDIMENT FROM BEING TRACKED ONTO THE ADJACENT PAVED PUBLIC ROADWAY. SEDIMENT TRACKING PAD SHALL CONFORM TO WISDNR TECHNICAL STANDARD 1057. SEDIMENT REACHING THE PUBLIC ROAD SHALL BE REMOVED BY STREET CLEANING (NOT HYDRAULIC FLUSHING) BEFORE THE END OF EACH WORK DAY.
7. CHANNELIZED RUNOFF, FROM ADJACENT AREAS PASSING THROUGH THE SITE SHALL BE DIVERTED AROUND DISTURBED AREAS.
8. STABILIZED DISTURBED GROUND: ANY SOIL OR DIRT PILES WHICH WILL REMAIN IN EXISTENCE FOR MORE THAN 7-CONSECUTIVE DAYS, WHETHER TO BE WORKED DURING THAT PERIOD OR NOT, SHALL NOT BE LOCATED WITHIN 25- FEET OF ANY ROADWAY, PARKING LOT, PAVED AREA, OR DRAINAGE STRUCTURE OR CHANNEL (UNLESS INTENDED TO BE USED AS PART OF THE EROSION CONTROL MEASURES). TEMPORARY STABILIZATION AND CONTROL MEASURES (SEEDING, MULCHING, TARPING, EROSION MATTING, BARRIER FENCING, ETC.) ARE REQUIRED FOR THE PROTECTION OF DISTURBED AREAS AND SOIL PILES, WHICH WILL REMAIN UN-WORKED FOR A PERIOD OF MORE THAN 14-CONSECUTIVE CALENDAR DAYS. THESE MEASURES SHALL REMAIN IN PLACE UNTIL SITE HAS STABILIZED.
9. WASHED STONE WEEPERS OR TEMPORARY EARTH BERMS SHALL BE BUILT PER PLAN BY CONTRACTOR TO TRAP SEDIMENT OR SLOW THE VELOCITY OF STORM WATER.
10. INLET FILTERS ARE TO BE PLACED IN STORMWATER INLET STRUCTURES AS SOON AS THEY ARE INSTALLED. ALL PROJECT AREA STORM INLETS NEED WISCONSIN D.O.T. TYPE D INLET PROTECTION. THE FILTERS SHALL BE MAINTAINED UNTIL THE CITY HAS ACCEPTED THE BINDER COURSE OF ASPHALT.
11. USE DETENTION BASINS AS SEDIMENT BASINS DURING CONSTRUCTION (DO NOT USE INFILTRATION AREAS). AT THE END OF CONSTRUCTION, REMOVE SEDIMENT AND RESTORE PER PLAN.
12. RESTORATION (SEED, FERTILIZE AND MULCH) SHALL BE PER SPECIFICATIONS ON THIS SHEET UNLESS SPECIAL RESTORATION IS CALLED FOR ON THE LANDSCAPE PLAN OR THE DETENTION BASIN DETAIL SHEET.
13. DISTURBED AREAS SHALL BE RESTORED WITH 6" TOPSOIL, PERMANENT SEED, FERTILIZER AND MULCH.
14. SEED, FERTILIZER AND MULCH SHALL BE APPLIED WITHIN 7 DAYS AFTER FINAL GRADE HAS BEEN ESTABLISHED. IF DISTURBED AREAS WILL NOT BE RESTORED IMMEDIATELY AFTER ROUGH GRADING, TEMPORARY SEED SHALL BE PLACED.
15. FOR THE FIRST SIX WEEKS AFTER RESTORATION (E.G. SEED & MULCH, EROSION MAT, SOD) OF A DISTURBED AREA, INCLUDE SUMMER WATERING PROVISIONS OF ALL NEWLY SEEDED AND MULCHED AREAS WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.
16. EROSION MAT (CLASS I, TYPE A URBAN PER WISCONSIN D.O.T. P.A.L.) SHALL BE INSTALLED ON ALL SLOPES 3:1 OR GREATER BUT LESS THAN 1:1. EROSION MAT (CLASS I, TYPE B URBAN PER WISCONSIN D.O.T. P.A.L.) SHALL BE INSTALLED ON THE BOTTOM (INVERT) OF ROADSIDE DITCHES/SWALES.
17. SILT FENCE TO BE USED ACROSS AREAS OF THE LOT THAT SLOPE TOWARDS A PUBLIC STREET OR WATERWAY.
18. SEDIMENT SHALL BE CLEANED FROM CURB AND GUTTER AFTER EACH RAINFALL AND PRIOR TO PROJECT ACCEPTANCE.
19. ACCUMULATED CONSTRUCTION SEDIMENT SHALL BE REMOVED FROM ALL PERMANENT BASINS TO THE ELEVATION SHOWN ON THE GRADING PLAN FOLLOWING THE STABILIZATION OF DRAINAGE AREAS.
20. ALL CONSTRUCTION ENTRANCES SHALL HAVE TEMPORARY ROAD CLOSED SIGNS THAT WILL BE IN PLACE WHEN THE ENTRANCE IS NOT IN USE AND AT THE END OF EACH DAY.
21. ANY PROPOSED CHANGES TO THE EROSION CONTROL PLAN MUST BE SUBMITTED AND APPROVED BY DANE COUNTY LAND CONSERVATION OR PERMITTING MUNICIPALITY.
22. THE CITY, OWNER AND/OR ENGINEER MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES AT ANY TIME DURING CONSTRUCTION.

CONSTRUCTION SEQUENCE:

1. INSTALL SILT FENCE, TRACKING PAD, INLET PROTECTION ON EXISTING STRUCTURES, AND OTHER EROSION CONTROLS
2. DEMOLISH BUILDING AND ACCESSORY ITEMS
3. REMOVE EXISTING PAVEMENTS
4. ROUGH GRADE SITE
5. CONSTRUCT UNDERGROUND UTILITIES AND INSTALL INLET PROTECTION
6. PROOF ROLL SUBGRADE AND SUBBASE
7. CONSTRUCT ROADS AND SIDEWALK
8. PLACE TOPSOIL AND RESTORE SITE
9. INSTALL LANDSCAPING
10. REMOVE TRACKING PAD, SILT FENCE AND OTHER EROSION CONTROLS AFTER DISTURBED AREAS ARE RESTORED

SEEDING RATES:

TEMPORARY:

1. USE ANNUAL OATS AT 3.0 LB./1,000 S.F. FOR SPRING AND SUMMER PLANTINGS.
2. USE WINTER WHEAT OR RYE AT 3.0 LB./1,000 SF FOR FALL PLANTINGS STARTED AFTER SEPTEMBER 15.

PERMANENT:

1. USE WISCONSIN D.O.T. SEED MIX #40 AT 2 LB./1,000 S.F.

FERTILIZING RATES:

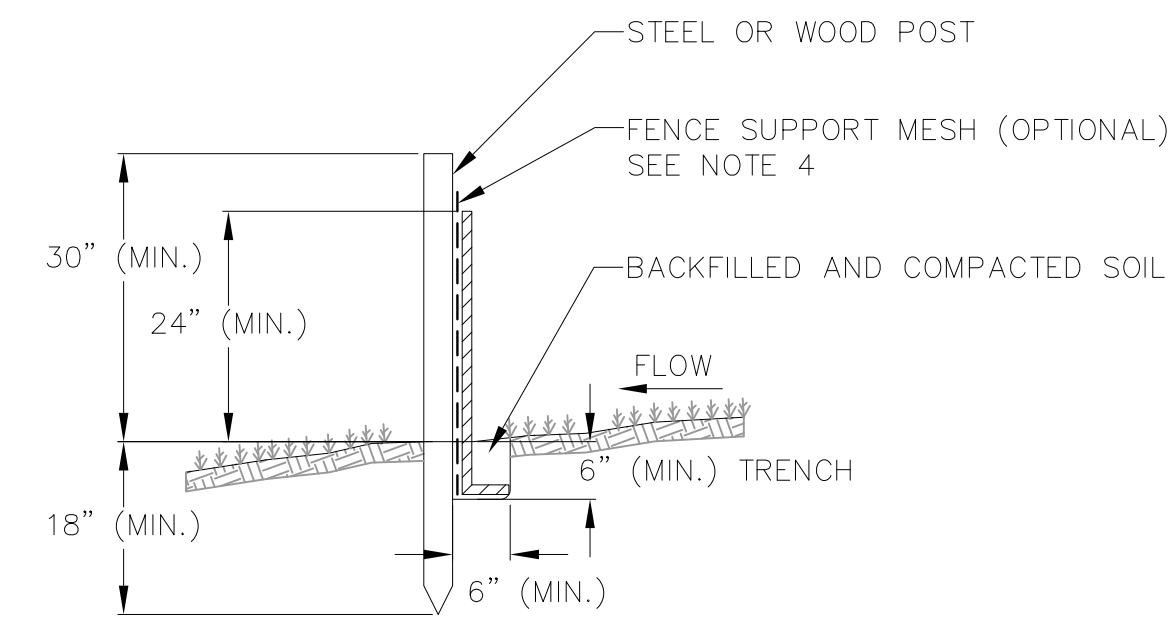
TEMPORARY AND PERMANENT:

USE WISCONSIN D.O.T. TYPE A OR B AT 7 LB./1,000 S.F.

MULCHING RATES:

TEMPORARY AND PERMANENT:

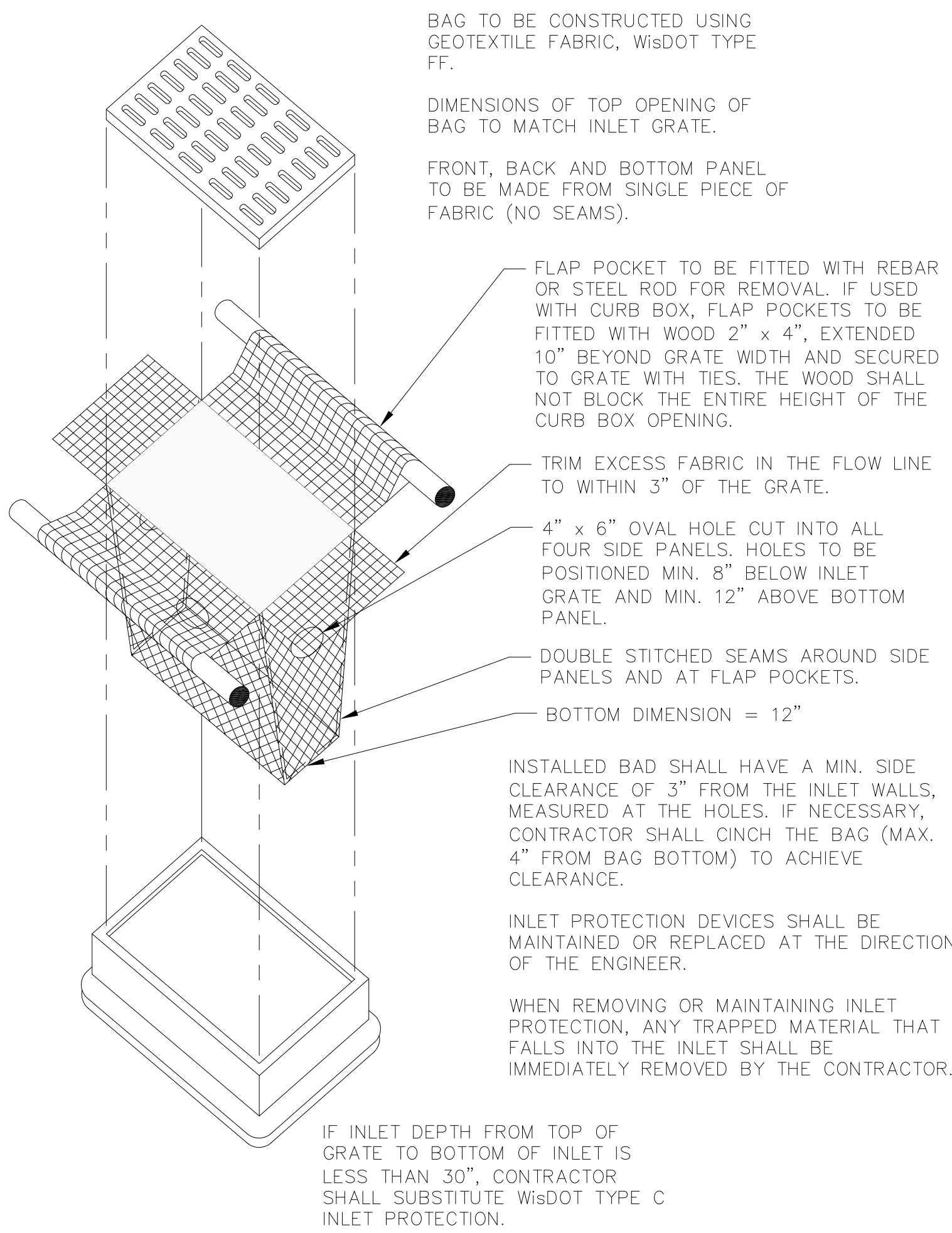
USE 1/2" TO 1-1/2" STRAW OR HAY MULCH, CRIMPED PER SECTION 607.3.2.3, OR OTHER RATE AND METHOD PER SECTION 627, WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION



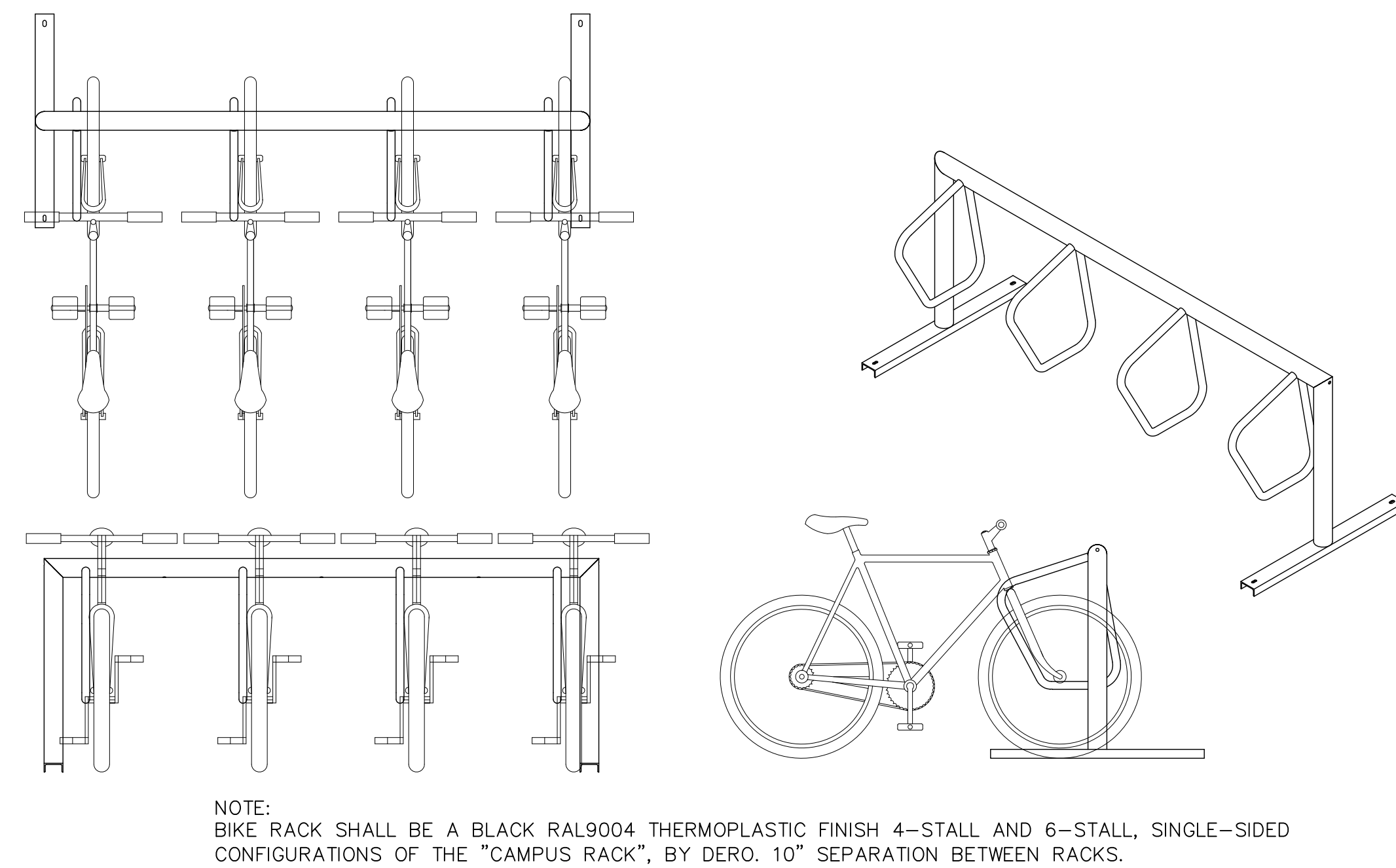
NOTES:

1. INSTALL SILT FENCE TO FOLLOW THE GROUND CONTOURS AS CLOSELY AS POSSIBLE.
2. CURVE THE SILT FENCE UP THE SLOPE TO PREVENT WATER FROM RUNNING AROUND THE ENDS.
3. POST SPACING WITH FENCE SUPPORT MESH = 10 FT. (MAX.)
POST SPACING WITHOUT FENCE SUPPORT MESH = 6 FT. (MAX.)
4. SILT FENCE SUPPORT MESH CONSISTS OF 14-GAUGE STEEL WIRE WITH A MESH SPACING OF 6 IN. X 6 IN. OR PREFABRICATED POLYMERIC MESH OF EQUIVALENT STRENGTH

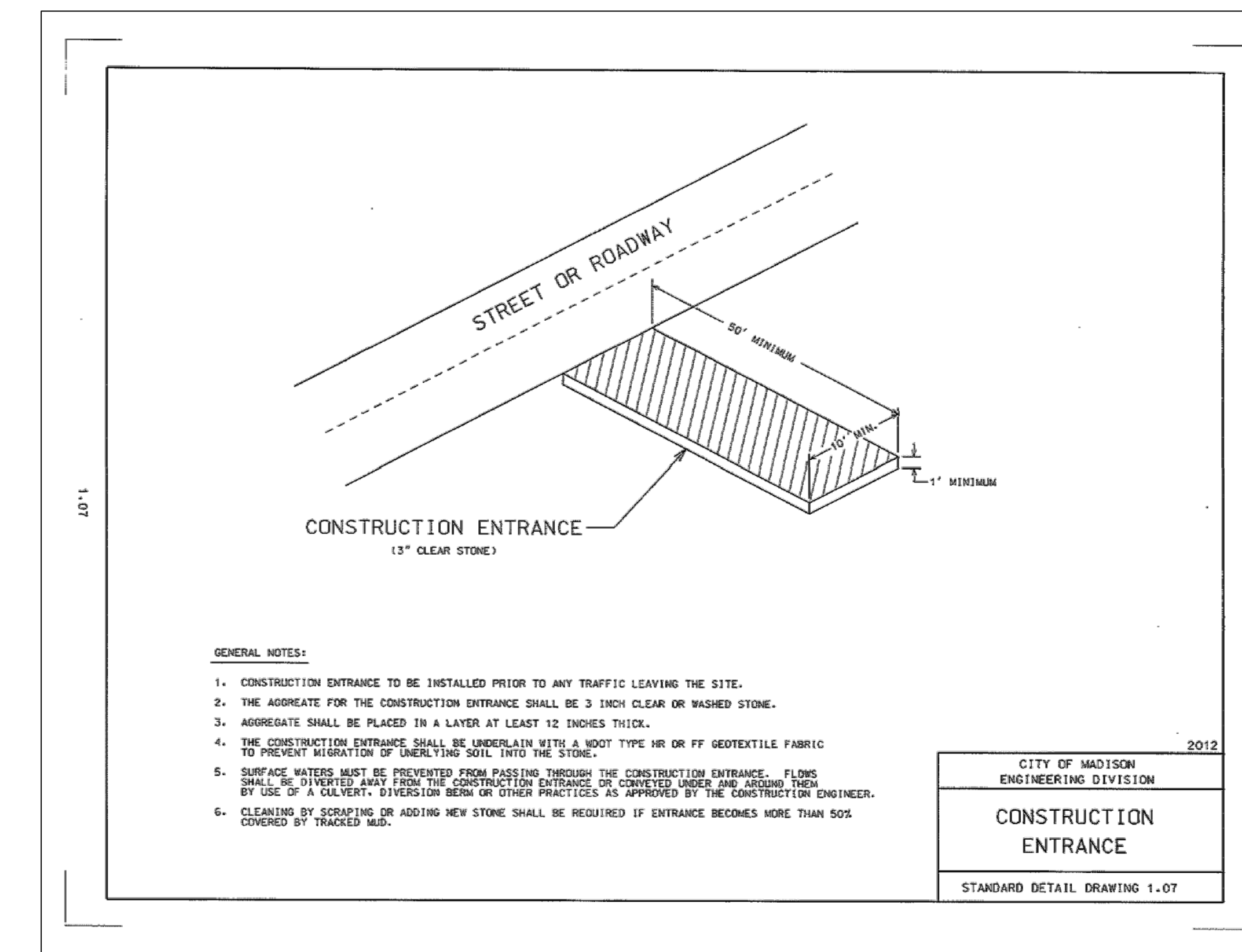
3
C105 SILT FENCE
NOT TO SCALE



1
C105 INLET PROTECTION TYPE D
NOT TO SCALE



2
C105 BIKE RACK DETAIL (4-STALL SHOWN)
NOT TO SCALE



4
C105 TRACKING PAD
NOT TO SCALE

NOTE: CONSTRUCTION SHALL CONFORM TO CITY OF MADISON STANDARD DETAIL DRAWINGS THAT ARE CURRENT AT THE TIME OF CONSTRUCTION.

Civil Engineering and Landscape Architects

Ken Saiki Design, Inc

303 South Peterson St
Madison, WI 53703
608.251.3600 tel

Structural Engineering, Technology, AV

KJWW

1800 Deming Way, Suite 200
Madison, WI 53713
608.223.9500 tel

MEP Engineers

MEP Associates

880 Blue Garden Road, Suite 175
Eagan, MN 55121
651.379.9120 tel

Lighting Designer

Gallina Design

30232 County 7
Chalfield, WI 53623
507.867.1628 tel

Preservation Architect

Charles Quagliana, AIA

5841 Hillbushway Rd
Mazomanie, WI 53560
608.449.9589 tel

Building Envelope Consultant

Insite Consulting Architects

115 E. Main Street, Suite 200
Madison, WI 53703
608.204.0825 tel

Fire & Code Consultant

Summit Fire Consulting

575 Minnehaha Ave. W.
St. Paul, MN 55103
651.251.1879 tel

Acoustical Consultant

KRA

4826 Chicago Avenue South, Suite 206
Minneapolis, MN 55417
612.374.3800 tel

Civil Engineers

VIERBICHER

999 Fourstar Drive, Suite 201
Madison, WI 53717

Madison Municipal Building Renovation

BPW Project #7939
215 Martin Luther King, Jr. Blvd
Madison, WI 53703

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Wisconsin. ARCHITECT SEAL

Signature: _____

Print Name: _____ License No.: _____

Date: _____

ISSUE

MARK	DATE	DESCRIPTION
	03.24.2017	BID SET

PROJECT NO. 2014057

PROJECT PHASE BID SET

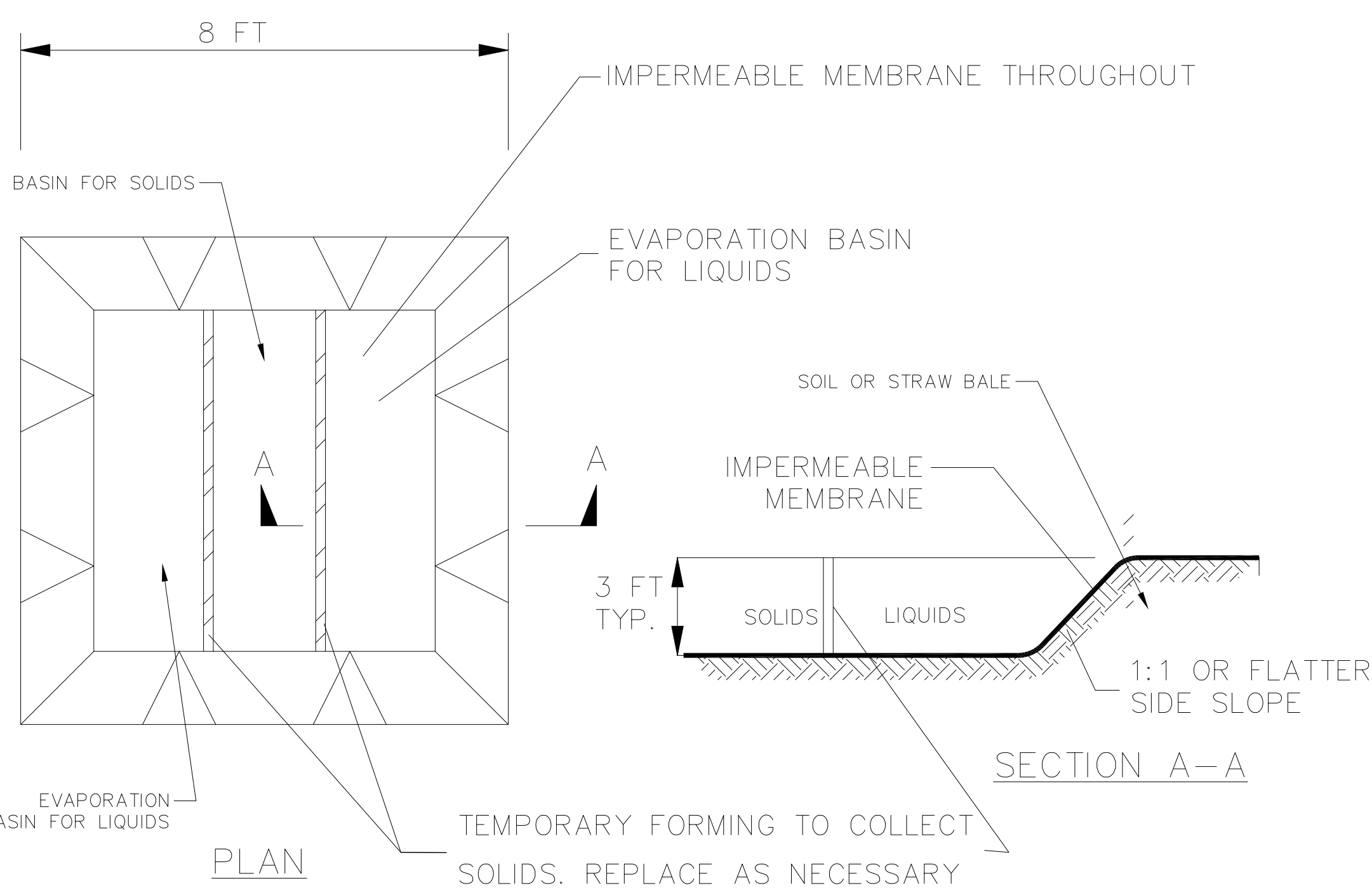
DRAWN BY: _____ CHECKED BY: _____

Copyright 2015 Copyright Holder: Scherer & Rothrock, LLC

CONSTRUCTION DETAILS

EXHIBIT D

C105

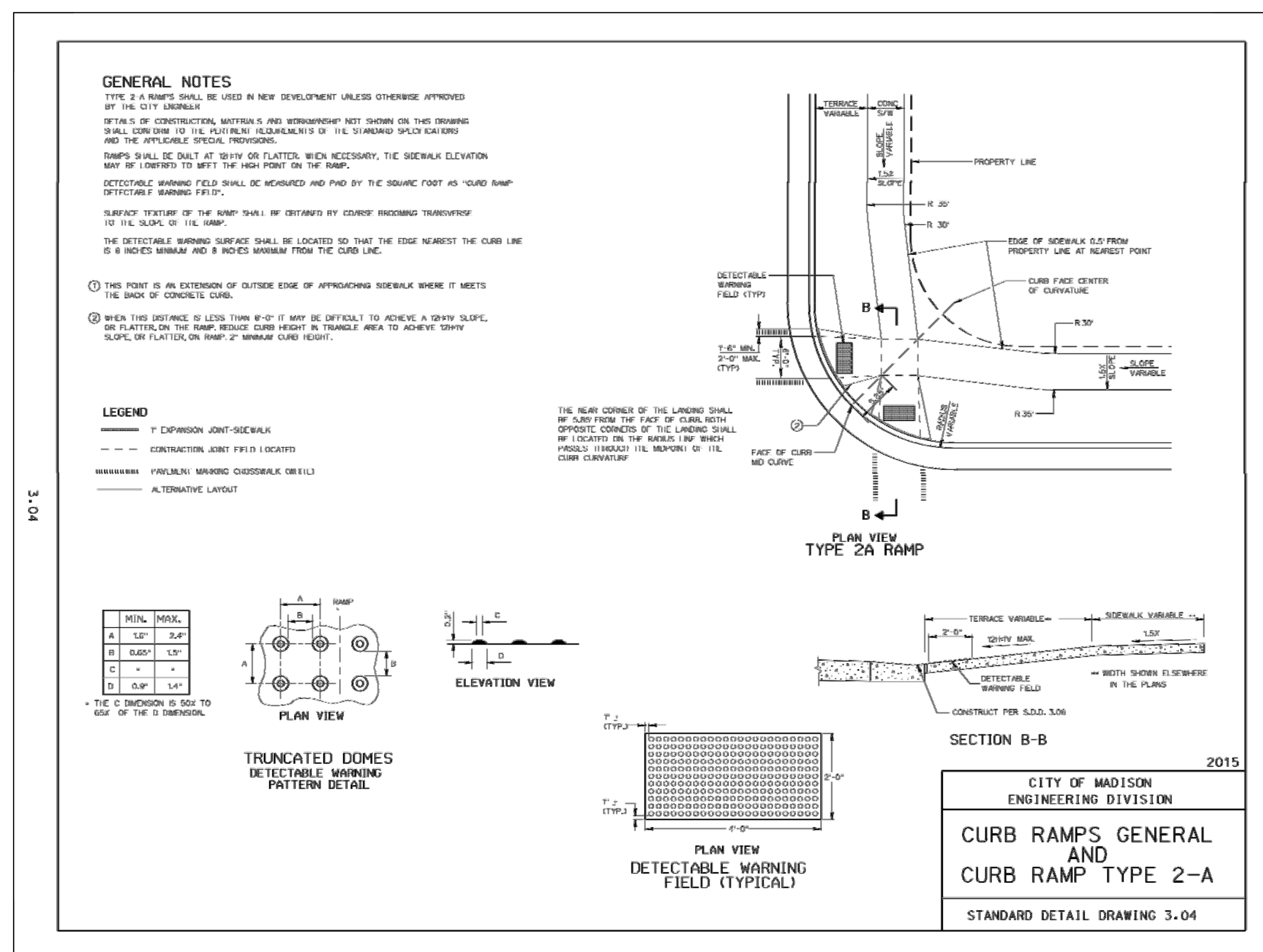


EXCAVATED WASHOUT STRUCTURE

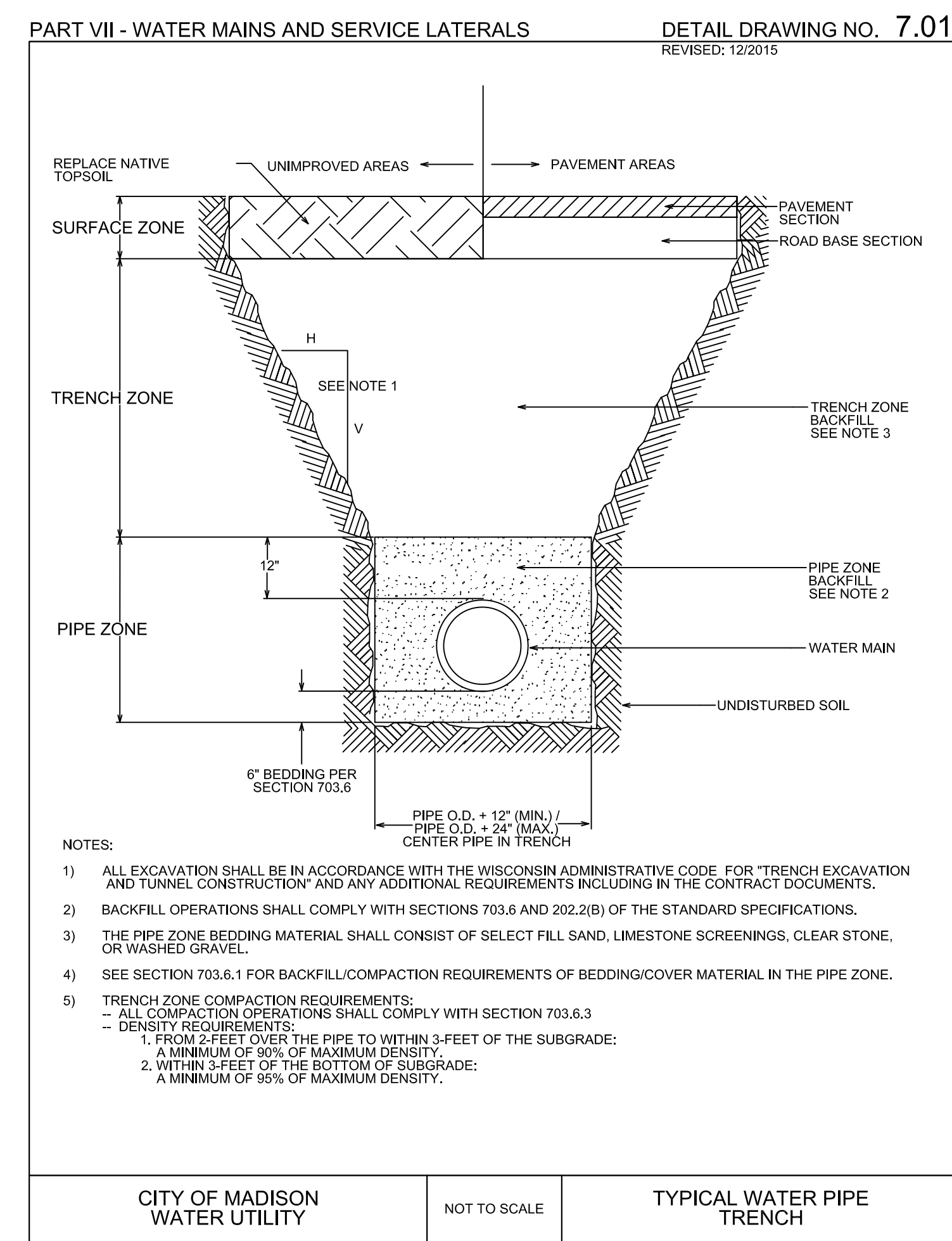
CONSTRUCTION SPECIFICATIONS

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
3. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP, FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

1 TEMPORARY EXCAVATED WASHOUT STRUCTURE
C107 NOT TO SCALE

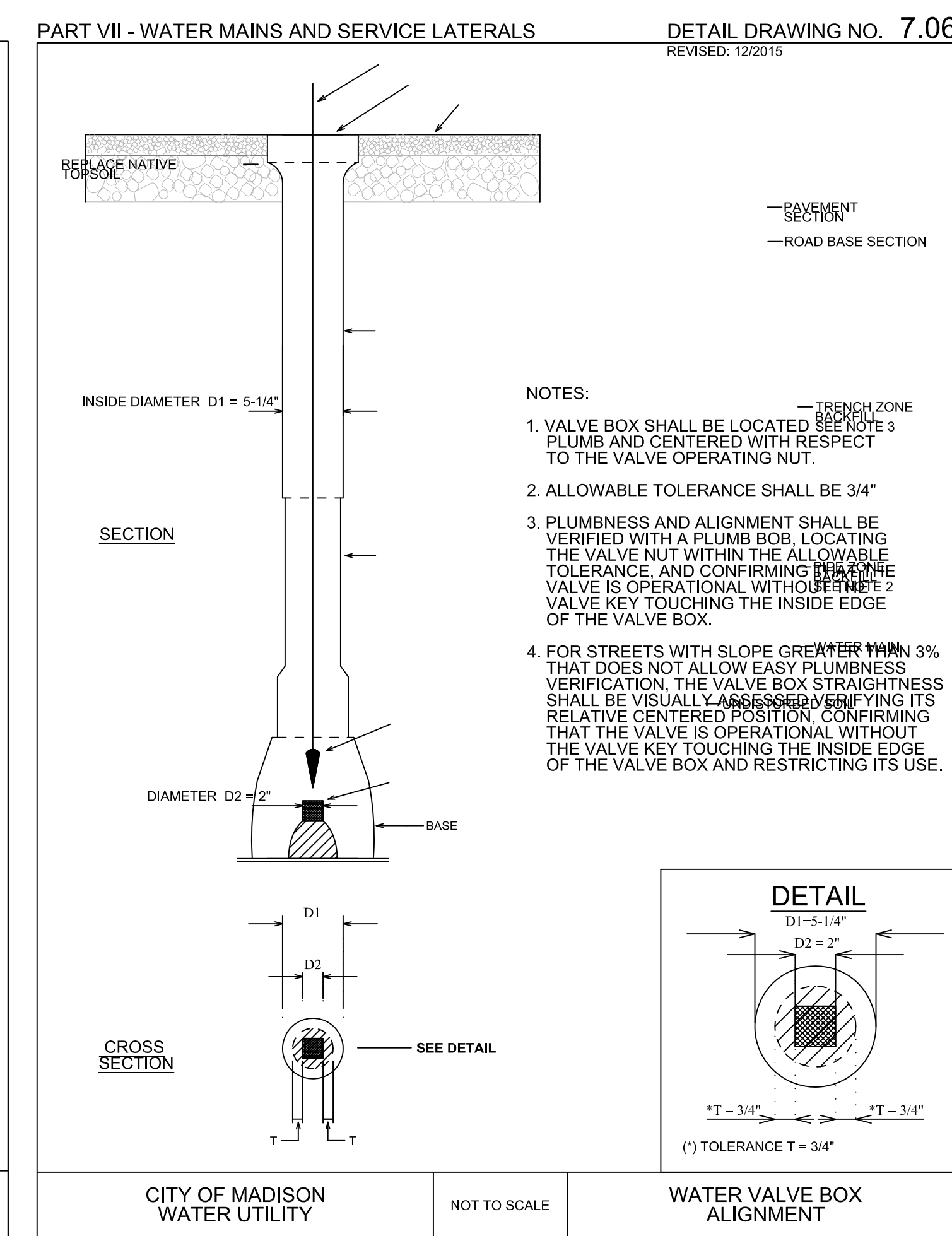


2 CURB RAMP DETAIL
C107 NOT TO SCALE



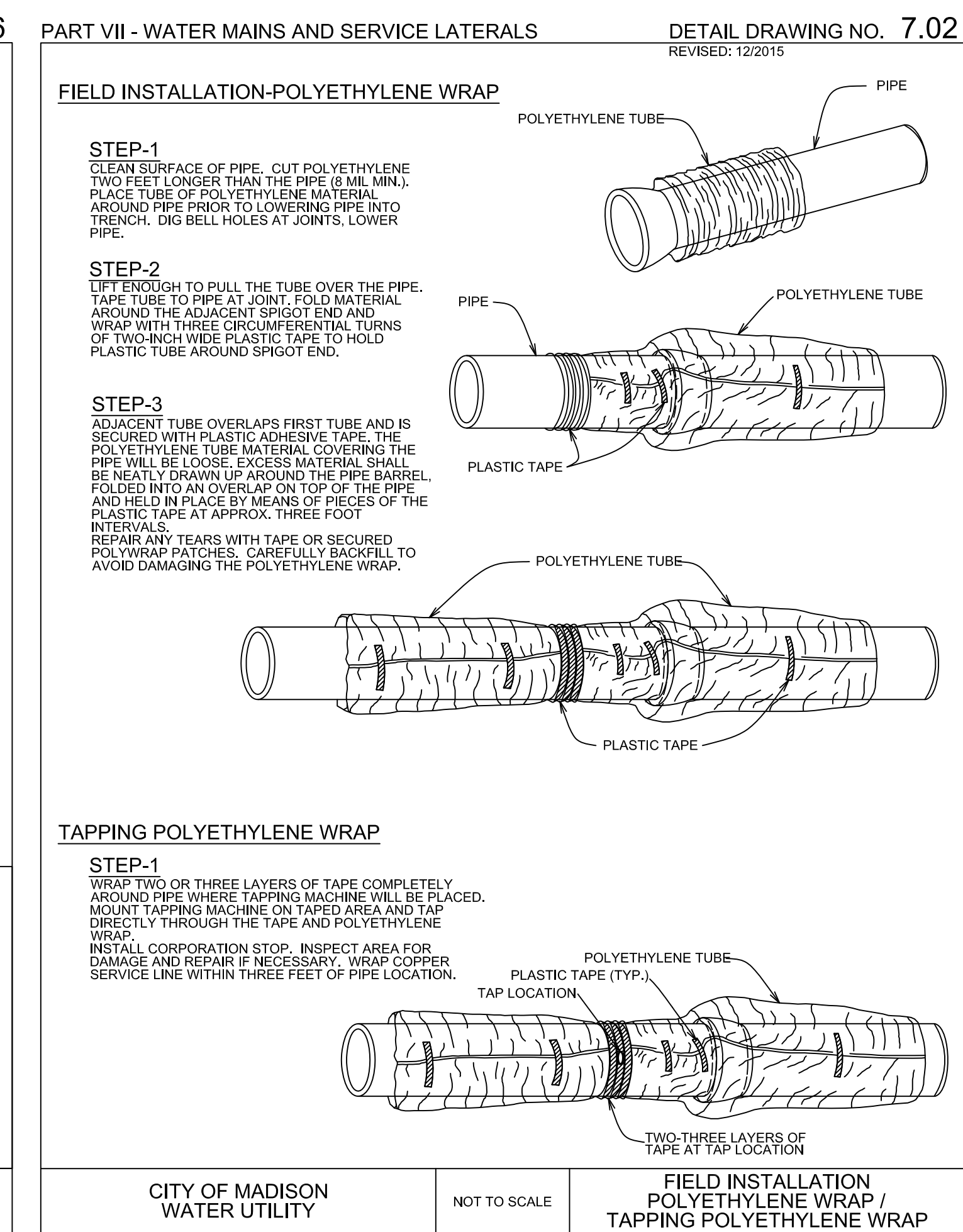
CITY OF MADISON WATER UTILITY NOT TO SCALE TYPICAL WATER PIPE TRENCH

3 STANDARD WATERMAIN TRENCH SECTION
C107 NOT TO SCALE



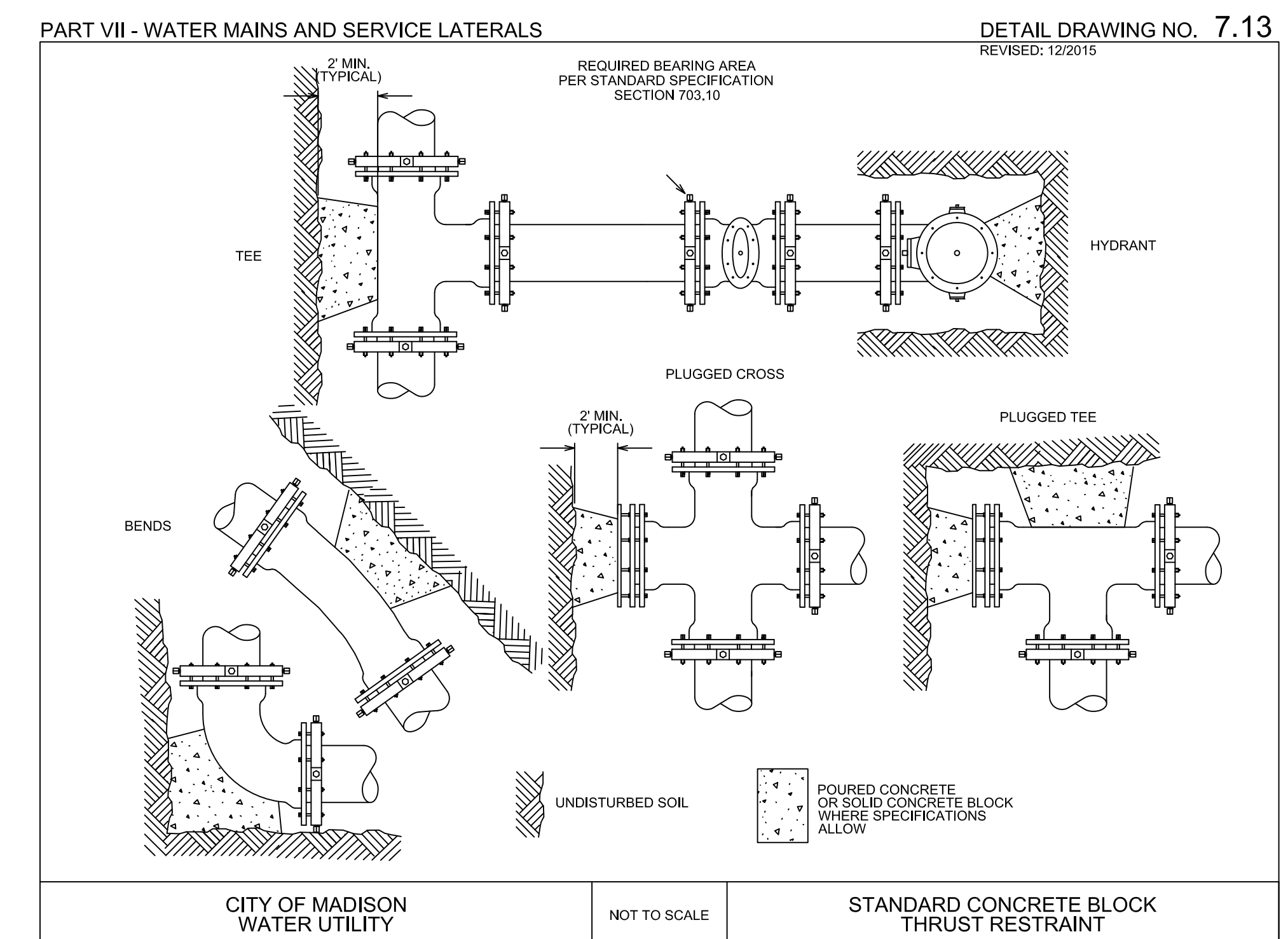
CITY OF MADISON WATER UTILITY NOT TO SCALE WATER VALVE BOX ALIGNMENT

4 STANDARD GATE VALVE BOX SETTING
C107 NOT TO SCALE



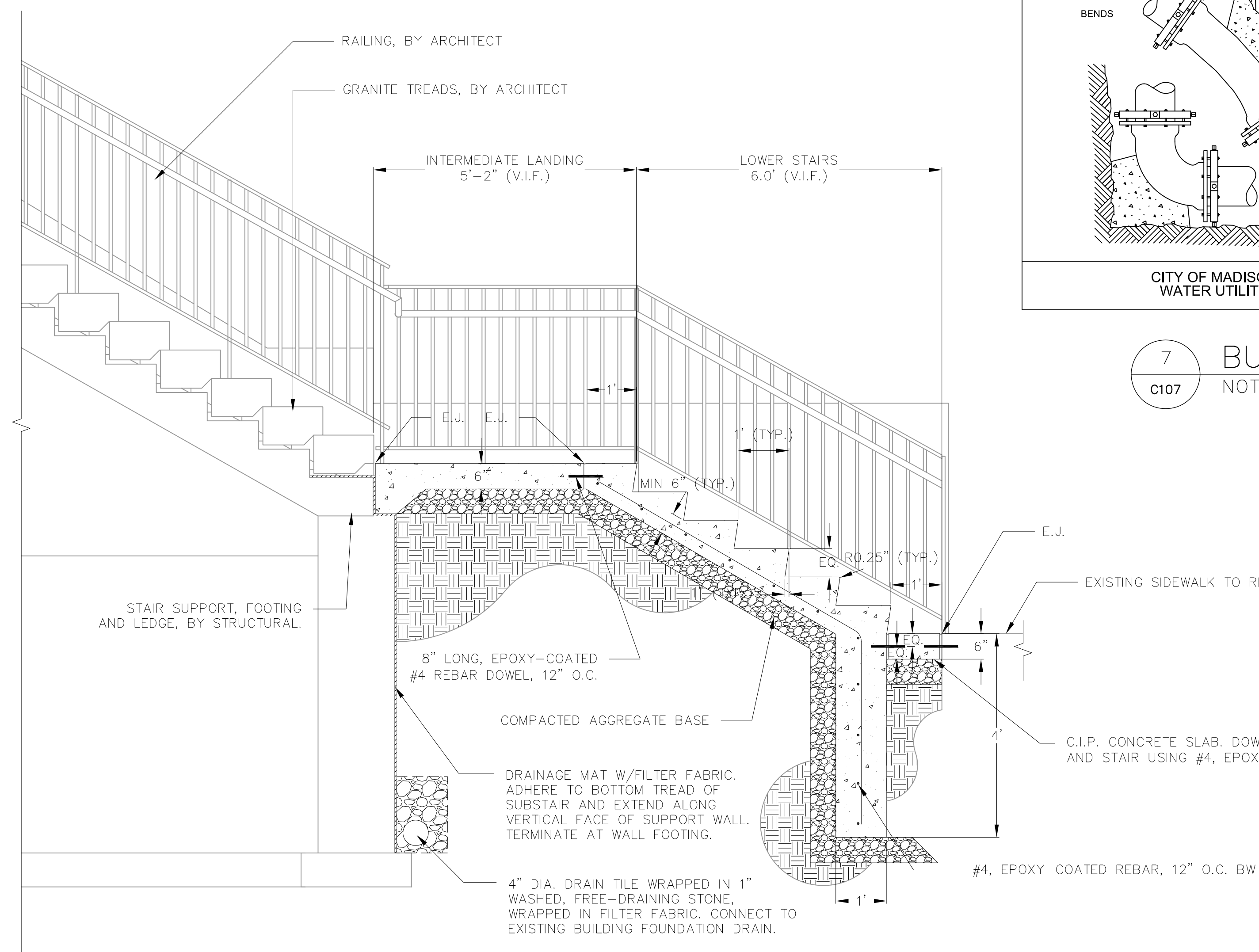
CITY OF MADISON WATER UTILITY NOT TO SCALE

6 POLYETHYLENE WRAP
C107 NOT TO SCALE



CITY OF MADISON WATER UTILITY NOT TO SCALE

7 BUTTRESS FOR BENDS
C107 NOT TO SCALE



5 E WILSON ST LANDING AND STAIR DETAIL
C107 NOT TO SCALE

NOTE: CONSTRUCTION SHALL CONFORM TO CITY OF MADISON STANDARD DETAIL DRAWINGS THAT ARE CURRENT AT THE TIME OF CONSTRUCTION.

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Wisconsin. ARCHITECT SEAL

Signature: _____

Print Name: _____

Date: _____ License No.: _____

ISSUE

MARK DATE DESCRIPTION

03.24.2017 BID SET

PROJECT NO. 2014057

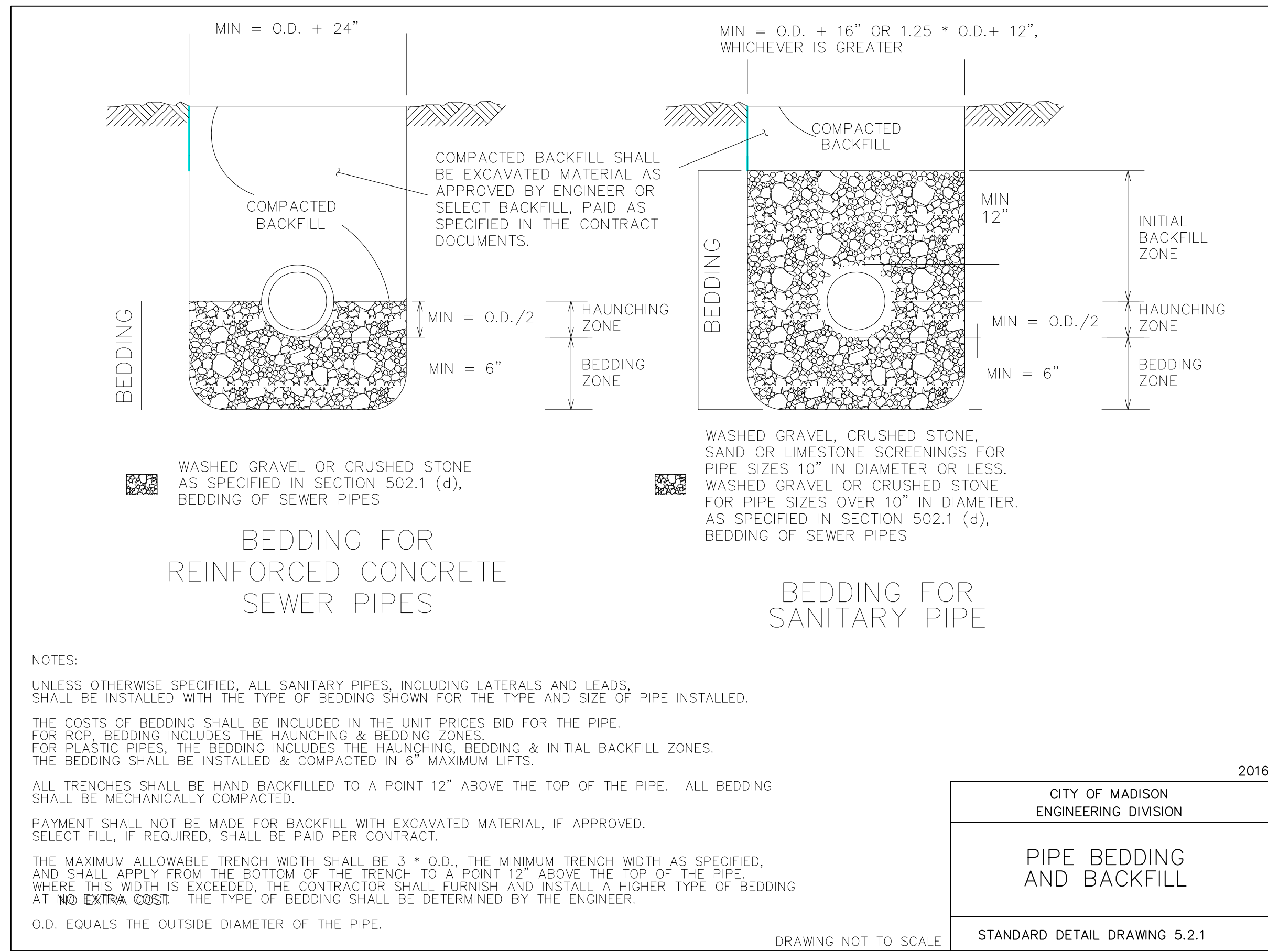
PROJECT PHASE BID SET

DRAWN BY: _____ CHECKED BY: _____

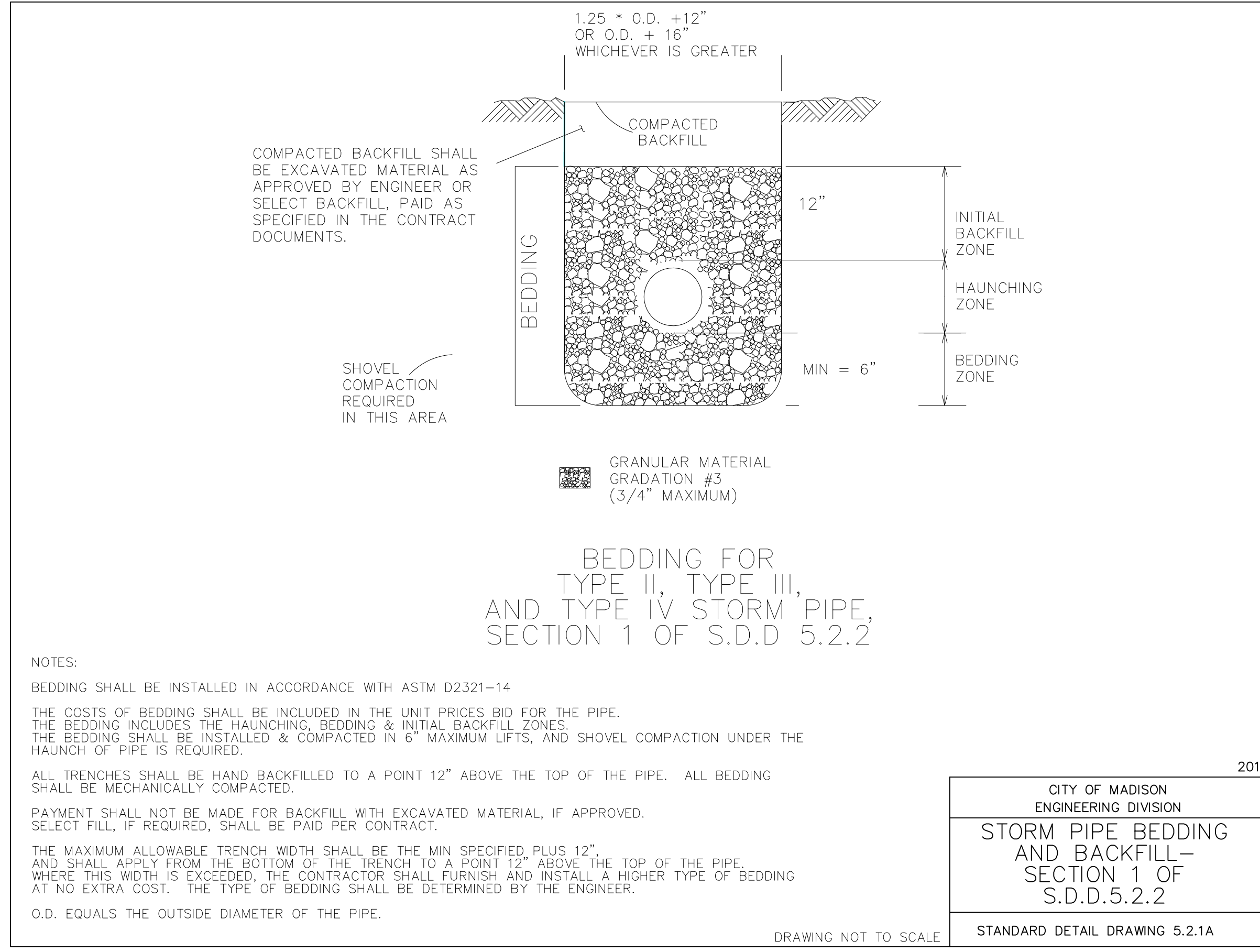
Created 2015 Copyright Hayes, Scherer & Fuchsman, LLC

CONSTRUCTION
DETAILS

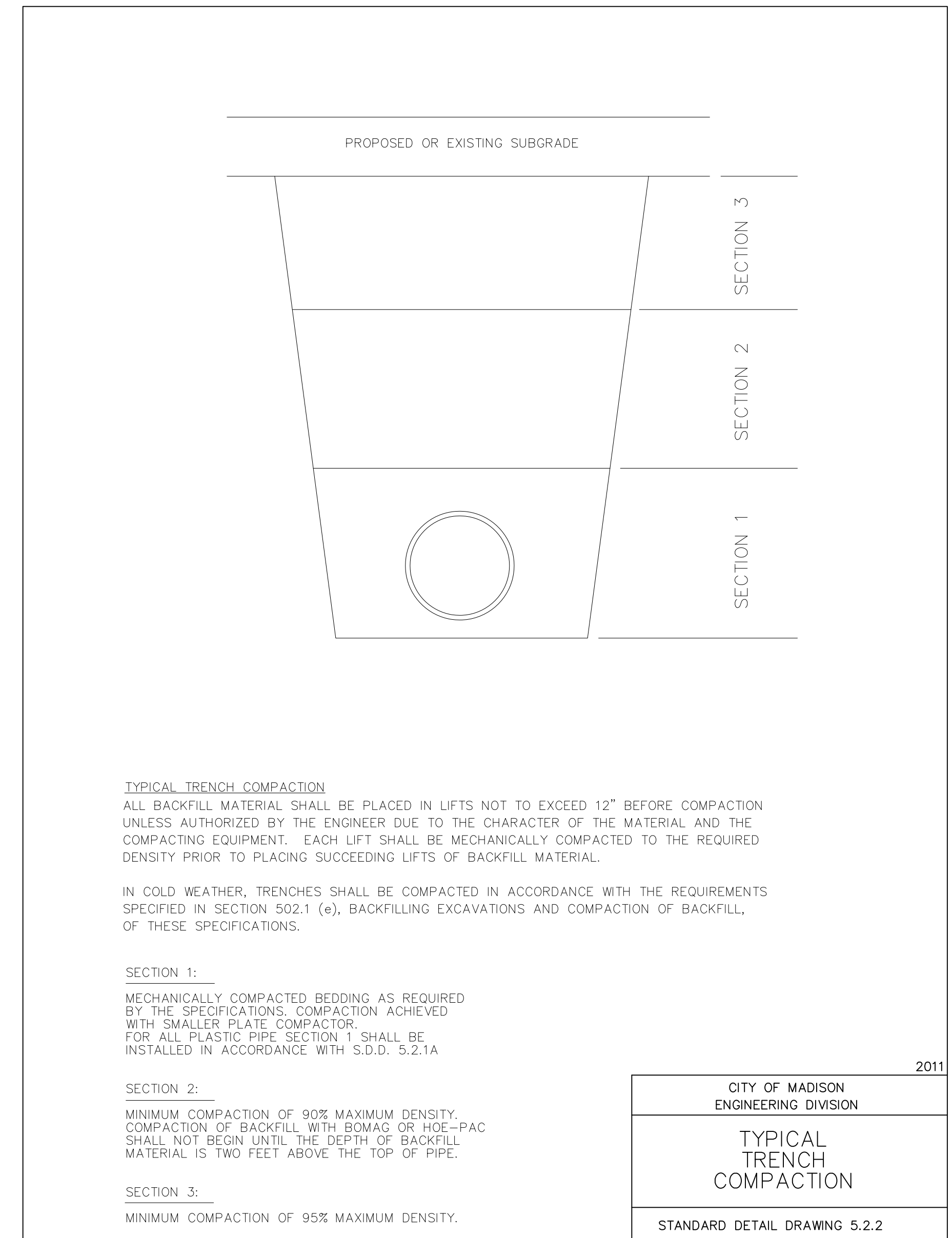
EXHIBIT D
C107



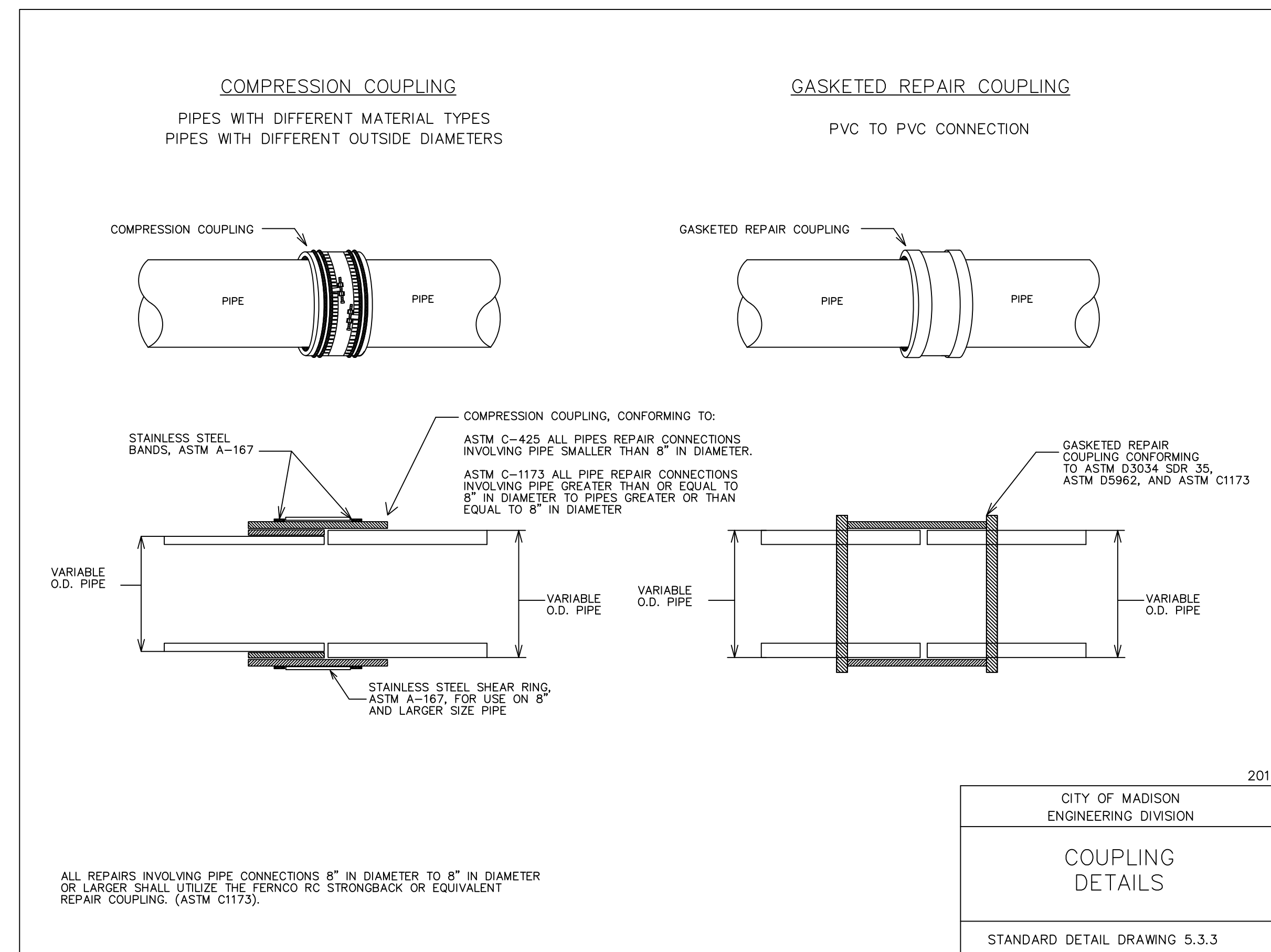
1 PIPE BEDDING AND BACKFILL
C108 NOT TO SCALE



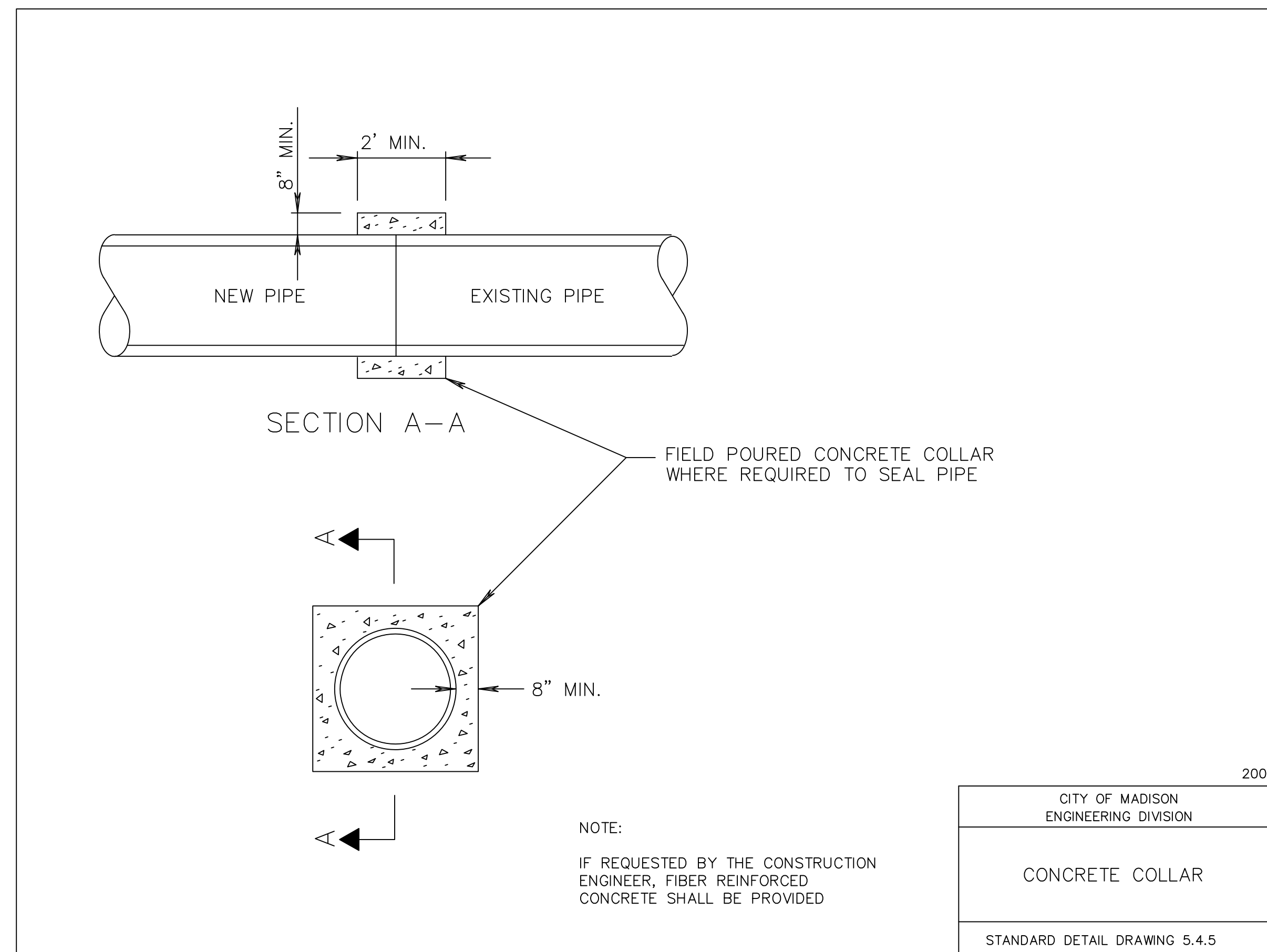
2 STORM PIPE BEDDING AND BACKFILL
C108 NOT TO SCALE



3 TYPICAL TRENCH COMPACTION
C108 NOT TO SCALE

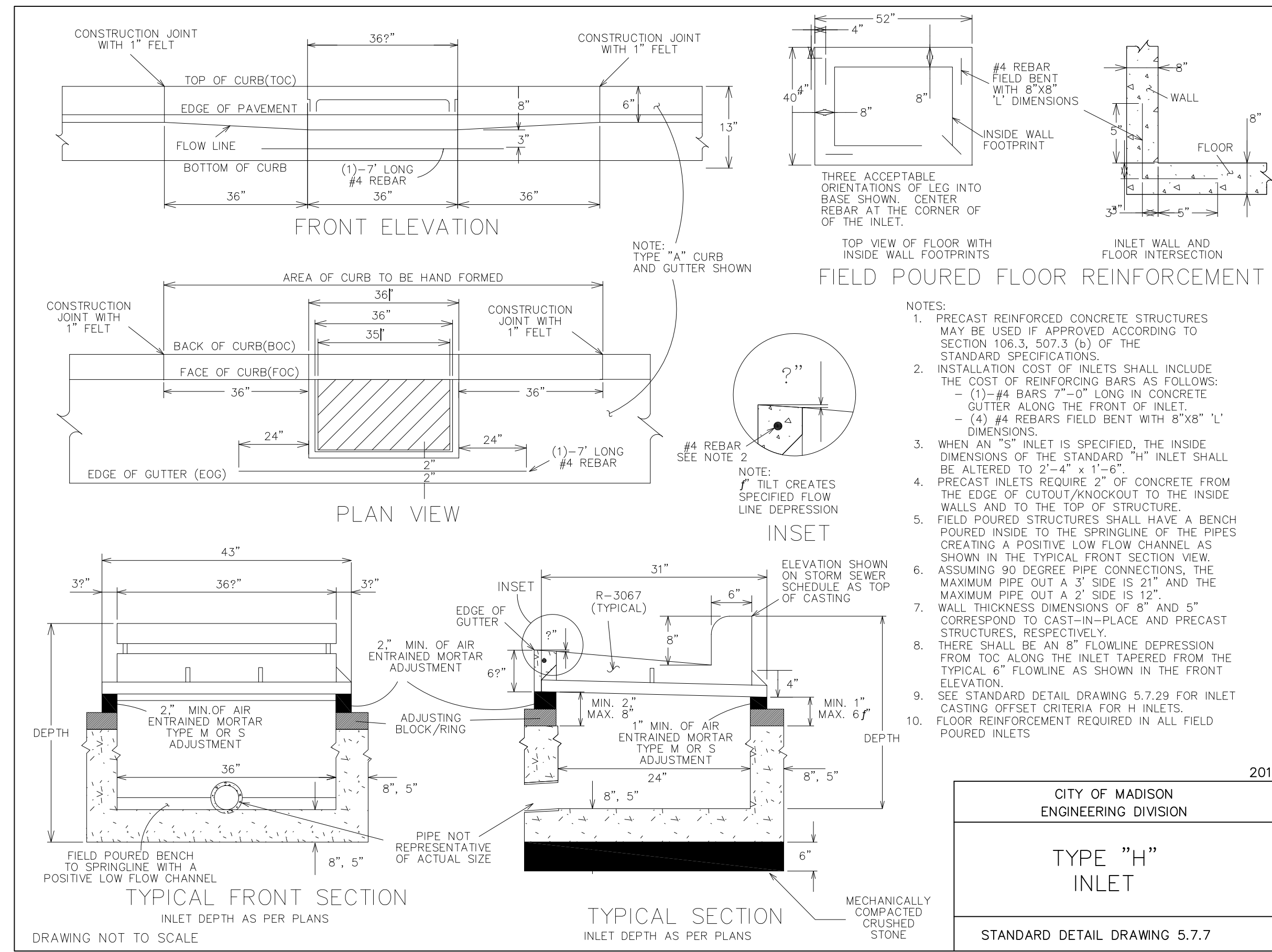


4 COUPLING DETAILS
C108 NOT TO SCALE

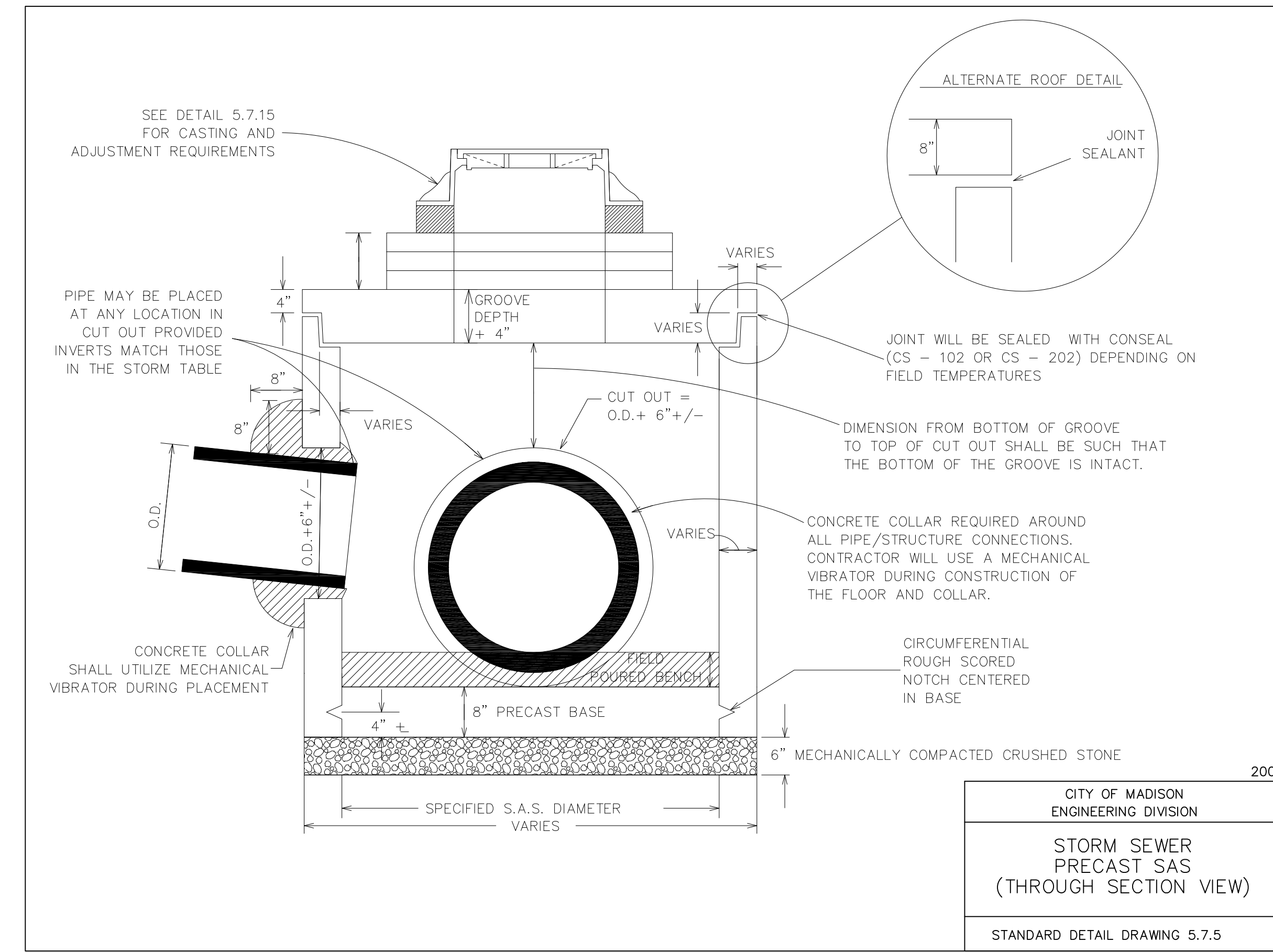


5 CONCRETE COLLAR
C108 NOT TO SCALE

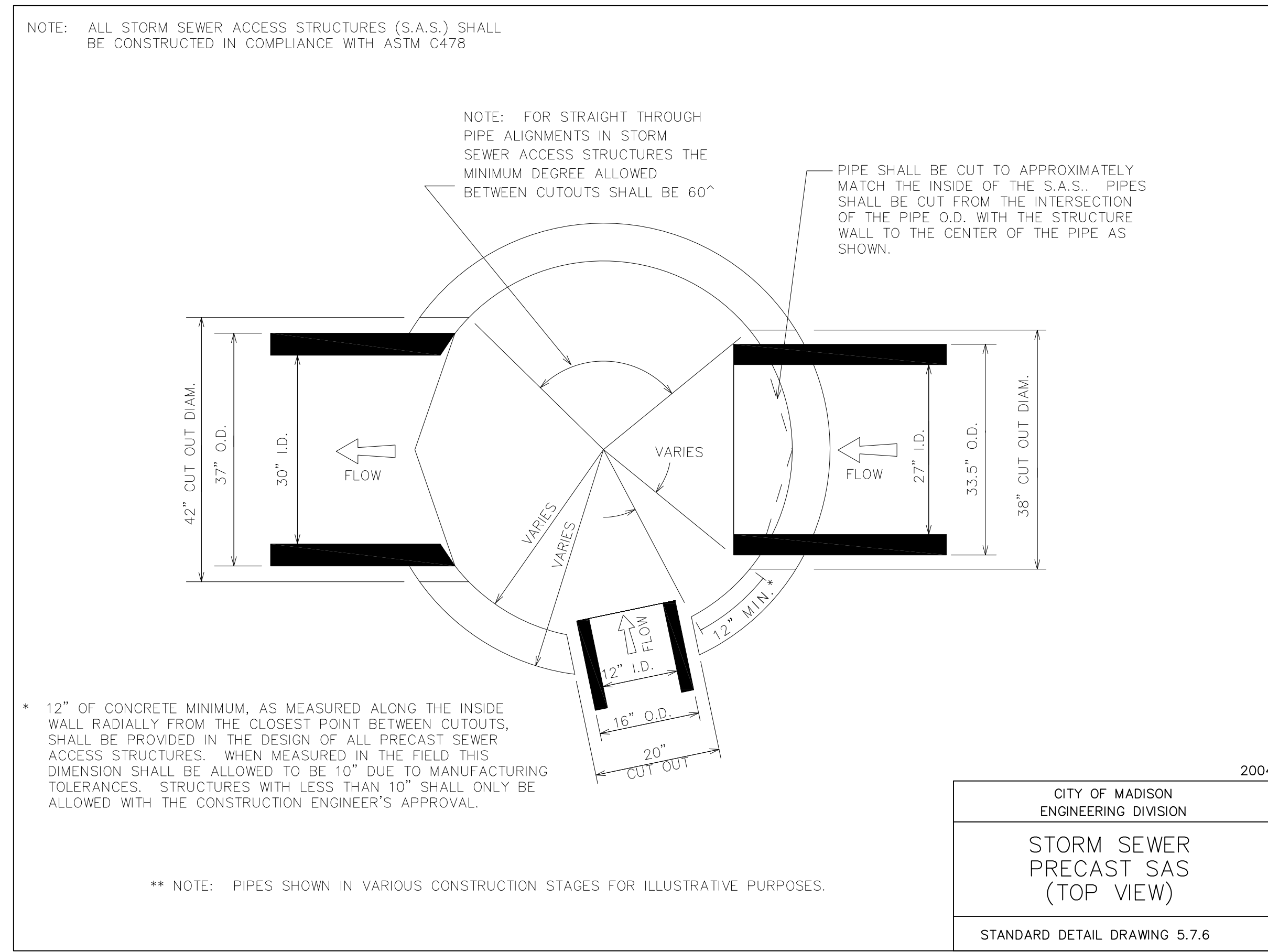
NOTE: CONSTRUCTION SHALL CONFORM TO CITY OF MADISON STANDARD DETAIL DRAWINGS THAT ARE CURRENT AT THE TIME OF CONSTRUCTION.



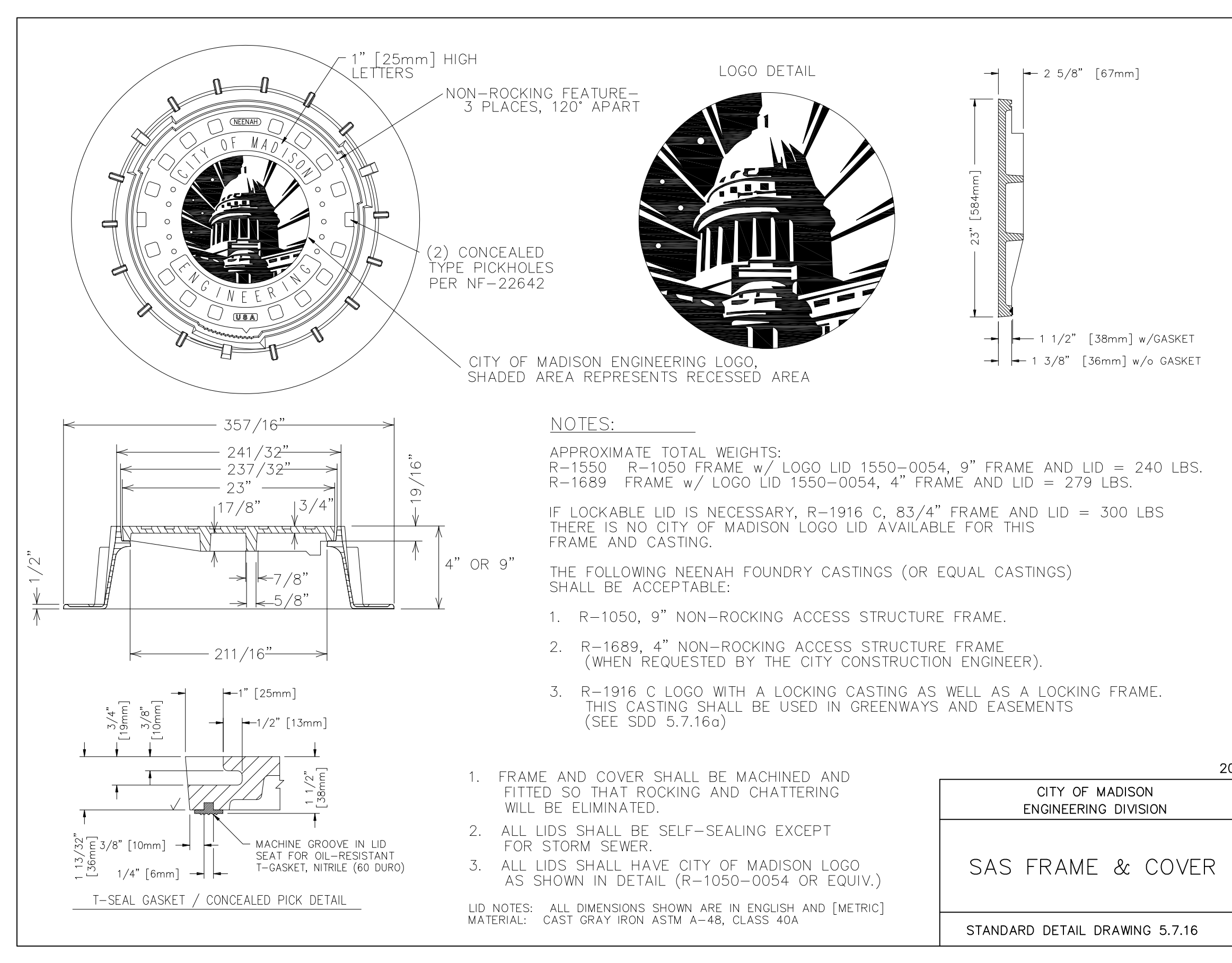
1 TYPE "H" INLET
NOT TO SCALE



2 STORM SEWER PRECAST SAS (SECTION VIEW)
NOT TO SCALE



3 STORM SEWER PRECAST SAS (TOP VIEW)
NOT TO SCALE



4 SAS FRAME & COVER
NOT TO SCALE

NOTE: CONSTRUCTION SHALL CONFORM TO CITY OF MADISON STANDARD DETAIL DRAWINGS THAT ARE CURRENT AT THE TIME OF CONSTRUCTION.

MSR 710 South 2nd Street, 8th Floor
Minneapolis, Minnesota 55401-2282
 Architecture 612.375.0336 tel
 Interiors and 612.342.2216 fax
 Urban Design www.msrdesign.com

Civil Engineering and Landscape Architects
Ken Saiki Design, Inc
 303 South Paterson St
 Madison, WI 53703
 608.251.3600 tel

Structural Engineering, Technology, AV
KJWW
 1800 Dearing Way, Suite 200
 Middleton, WI 53713
 608.223.9600 tel

MEP Engineers
MEP Associates
 680 Blue Gentian Road, Suite 175
 Eau Claire, WI 54601
 608.449.9500 tel

Lighting Designer
Gallina Design
 30223 County 7
 Chesham, WI 53703
 507.267.4626 tel

Preservation Architect
Charles Quagliana, AIA
 5541 Hilltoppy Rd
 Mazomanie, WI 53560
 608.449.9500 tel

Building Envelope Consultant
Insite Consulting Architects
 115 S. Main Street, Suite 200
 Madison, WI 53703
 608.204.0825 tel

Fire & Code Consultant
Summit Fire Consulting
 575 Minnehaha Ave., W.
 St. Paul, MN 55103
 651.251.1879 tel

Acoustical Consultant
KRA
 4826 Chicago Avenue South, Suite 206
 Minneapolis, MN 55417
 612.374.3800 tel

Civil Engineers
VIERBICHER
 999 Fourier Drive, Suite 201
 Madison, WI 53717

**Madison Municipal
Building Renovation**

BPW Project #7939
 215 Martin Luther King, Jr. Blvd
 Madison, WI 53703

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Wisconsin.
 ARCHITECT SEAL

Signature: _____
 Print Name: _____
 Date: _____ License No.: _____

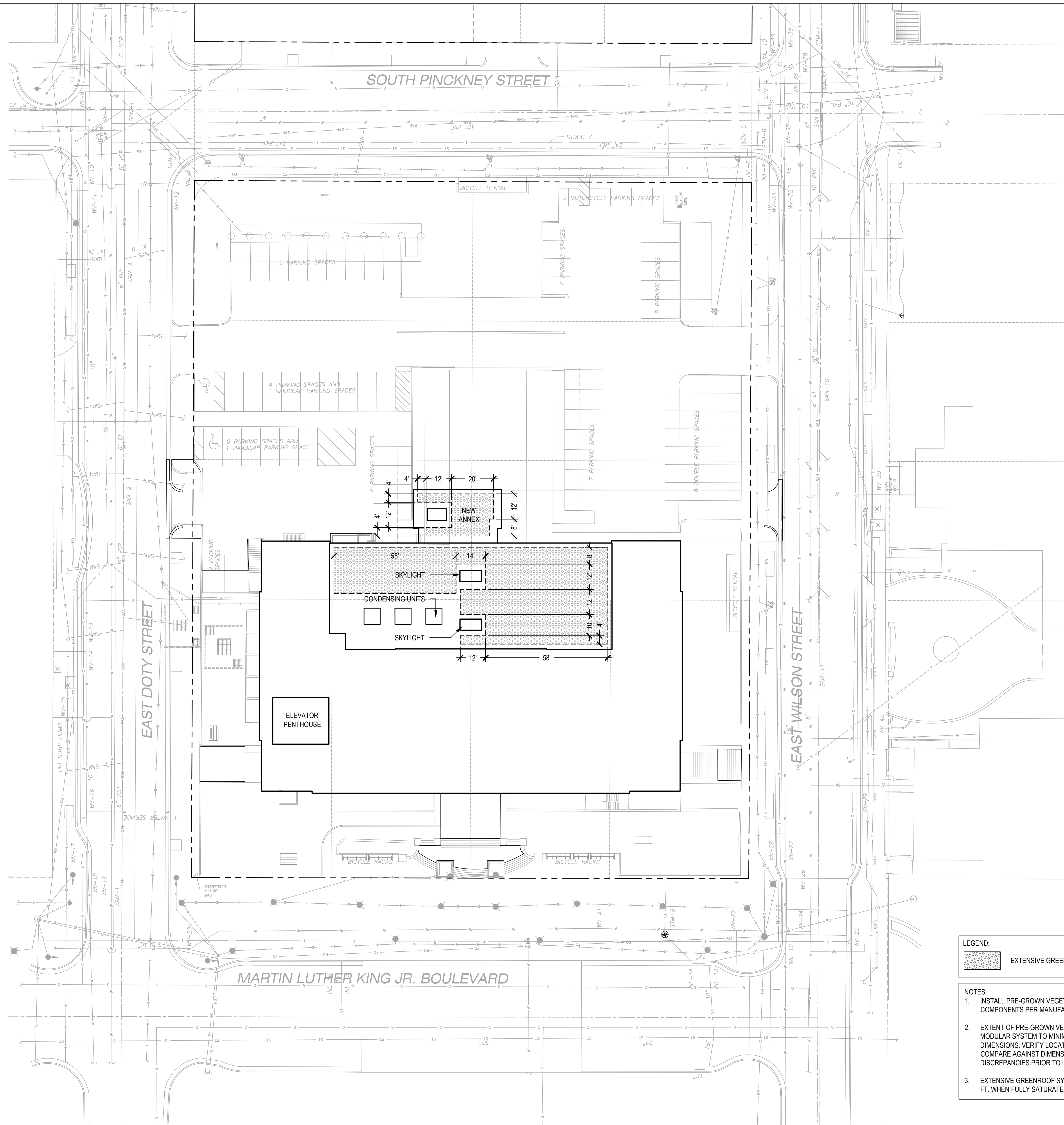
ISSUE	MARK	DATE	DESCRIPTION
		03.24.2017	BID SET

PROJECT NO: 2014057
 PROJECT PHASE: BID SET
 DRAWN BY: _____ CHECKED BY: _____
 Drawing 2015 Copyright Mayer, Scherer & Fruhwald, LLC

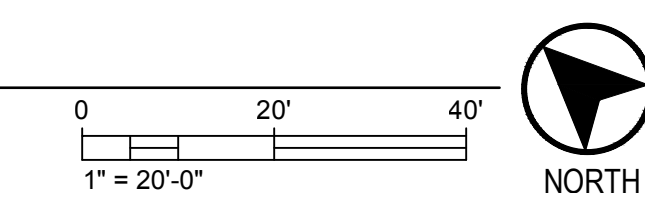
**CONSTRUCTION
DETAILS**

EXHIBIT D

C109



1 GREENROOF LANDSCAPE PLAN
SCALE: 1" = 20'-0"



LEGEND:

[Hatched Box] EXTENSIVE GREEN ROOF: PRE-GROWN VEGETATED TRAY

NOTES:

- INSTALL PRE-GROWN VEGETATED TRAY AND ANCILLARY COMPONENTS PER MANUFACTURER'S RECOMMENDATIONS.
- EXTENT OF PRE-GROWN VEGETATED TRAYS IS BASED ON A 24"x24" MODULAR SYSTEM TO MINIMIZE CUTTING LABOR. SEE PLAN DIMENSIONS. VERIFY LOCATIONS OF ALL ROOF PENETRATIONS. COMPARE AGAINST DIMENSIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO INSTALLING GREEN ROOF COMPONENTS.
- EXTENSIVE GREENROOF SYSTEMS SHALL NOT EXCEED 40 LBS./SQ. FT. WHEN FULLY SATURATED.

MSR 710 South 2nd Street, 8th Floor
Minneapolis, Minnesota 55401-2282
Architecture 612 375 0336 tel
Interiors and 612 342 2216 fax
Urban Design www.msrdesign.com

Civil Engineering and Landscape Architects
Ken Saiki Design, Inc
303 South Paterson St
Madison, WI 53703
608 251 3500 tel

Structural Engineering, Technology, AV
KJWW
1800 Deming Way, Suite 200
Middleton, WI 53713
608 223 9500 tel

MEP Engineers
MEP Associates
880 Blue Glen Road, Suite 175
Eagan, MN 55121
651 379 9120 tel

Lighting Designer
Gallina Design
3623 County 7
Chaffee, MN 55923
507 867 1628 tel

Preservation Architect
Charles Quagliana, AIA
5841 Hillsborough Rd
Mazomanie, WI 53560
608 449 9589 tel

Building Envelope Consultant
Insite Consulting Architects
115 E. Main Street, Suite 200
Madison, WI 53703
608 204 0825 tel

Fire & Code Consultant
Summit Fire Consulting
575 Minnehaha Ave. W.
St. Paul, MN 55103
651 251 1879 tel

Acoustical Consultant
KRA
4826 Chicago Avenue South, Suite 206
Minneapolis, MN 55417
612 374 3800 tel

Civil Engineers
VIERBICHER
999 Fourth Drive, Suite 201
Madison, WI 53717

Madison Municipal Building Renovation
BPW Project #7939
215 Martin Luther King, Jr. Blvd
Madison, WI 53703

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Wisconsin.
ARCHITECT SEAL

Signature: _____
Print Names: _____
Date: _____ License No.: _____

ISSUE	MARK	DATE	DESCRIPTION
		03.24.2017	BID ISSUE

PROJECT NO.	2014057
PROJECT PHASE	BID ISSUE
DRAWN BY:	KSD
CHECKED BY:	KSD

GREEN ROOF LANDSCAPE PLAN

EXHIBIT D C110

**Madison Municipal
 Building Renovation**

**BPW Project #7939
 215 Martin Luther King, Jr. Blvd
 Madison, WI 53703**

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Wisconsin.
 ARCHITECT SEAL

Signature: _____
 Print Names: _____
 Date: _____ License No: _____

ISSUE	MARK	DATE	DESCRIPTION
		03.24.2017	BID ISSUE

PROJECT NO. 2014057

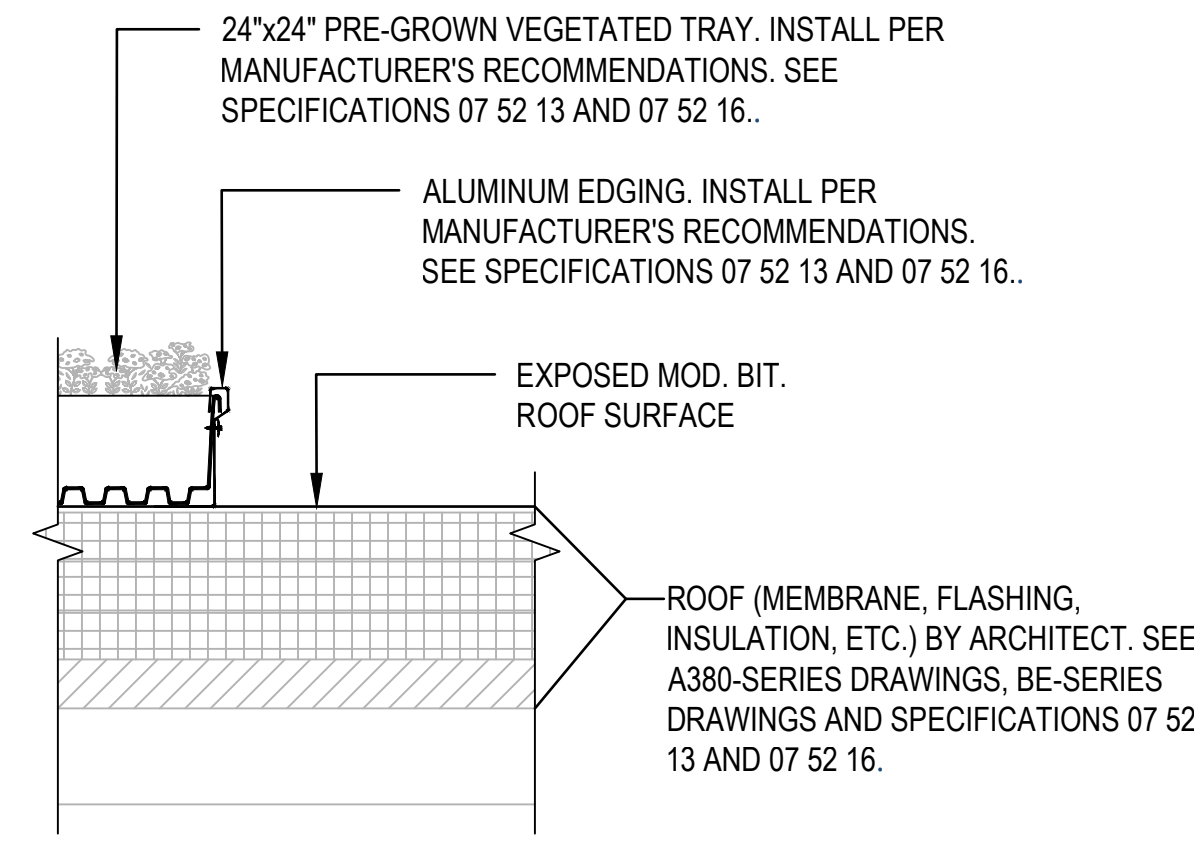
PROJECT PHASE BID ISSUE

DRAWN BY: KSD CHECKED BY: KSD

Copyright ©14 Copyright Mueser, Hottel & Hutchinson, Ltd.

LANDSCAPE DETAILS

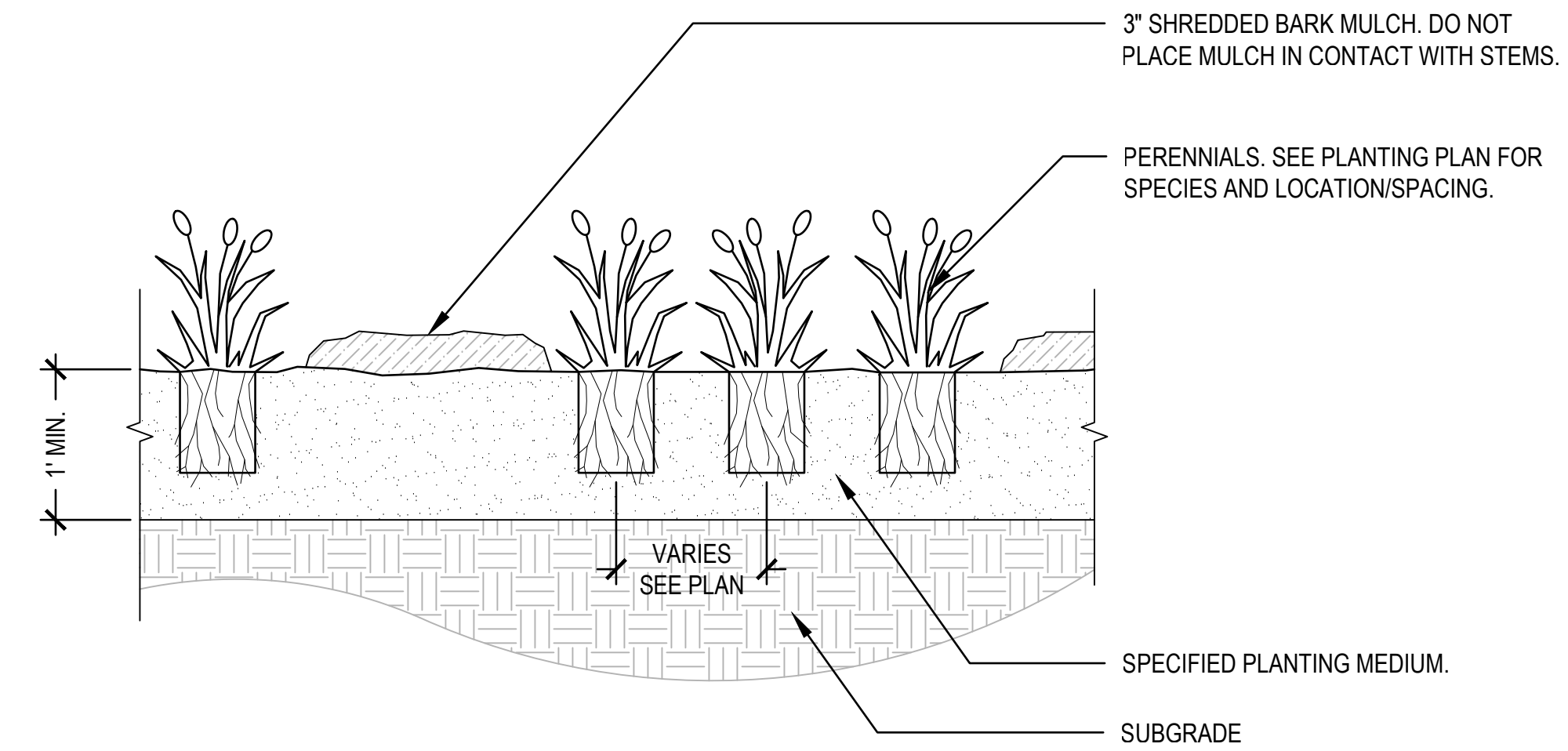
**EXHIBIT D
 C111**



NOTE:
 LAYOUT OF VEGETATED ROOF ASSEMBLY DIVISIBLE BY 24" TO ELIMINATE CUTTING AND SIMPLIFY INSTALLATION. SEE C110 FOR DIMENSIONS.

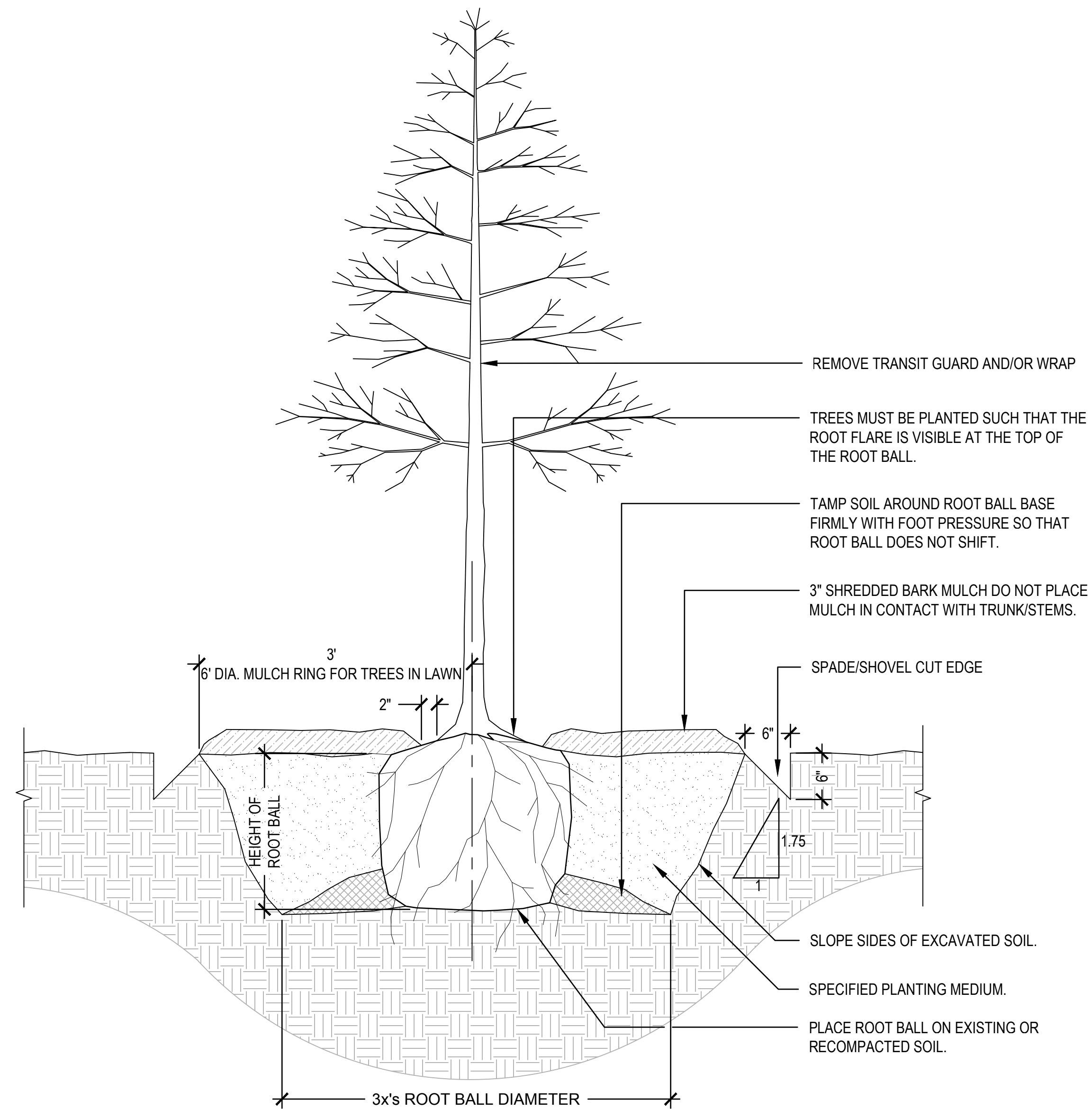
3 TYPICAL GREEN ROOF SECTION

SCALE: 1" = 1'-0"



1 TYPICAL PERENNIAL PLANTING DETAIL

SCALE: 1 1/2" = 1'-0"



- NOTES:
- TREES WHERE THE ROOT FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.
 - 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 AS DETERMINED BY THE ROOT FLARE.
 - FOR B&B STOCK, CUT AND REMOVE THE WIRE BASKET AND REMOVE ALL TWINE, ROPE, AND BURLAP FROM ROOT BALL. FOR BIODEGRADABLE CONTAINER STOCK, SLIT SIDES OF CONTAINER & FOLD FLAT. FOR NON-BIODEGRADABLE CONTAINERS, REMOVE CONTAINER COMPLETELY.
 - PLACE ROOT BALL ON UNEXCAVATED OR TAMPED SOIL.
 - DO NOT PLACE MULCH IN CONTACT WITH TRUNK AND/OR ROOT FLARE.
 - WATER ALL PLANTS WITHIN 2 HOURS OF INSTALLATION.
 - DO NOT HEAVILY PRUNE THE TREE AT PLANTING. PRUNE ONLY CROSSOVER LIMBS, CO-DOMINANT LEADERS, AND BROKEN OR DEAD BRANCHES. SOME INTERIOR TWIGS AND LATERAL BRANCHES MAY BE PRUNED. DO NOT REMOVE THE TERMINAL BUDS OF BRANCHES THAT EXTEND TO THE EDGE OF THE CROWN.
 - STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.
 - WRAP TREE TRUNKS ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT.

2 TYPICAL TREE PLANTING DETAIL

SCALE: 1" = 1'-0"

- NOTES:
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (<http://www.cityofmadison.com/business/pw/specs.cfm>).
 - CALL DIGGER'S HOTLINE BEFORE COMMENCING WORK. 811 OR (800) 242-8511.