

CHARTER STREET HEATING PLANT REBUILD

UNIVERSITY OF WISCONSIN MADISON

GDP-SIP

DSF #09A2L

117 NORTH CHARTER STREET
MADISON, WI
MAY 11, 2011

Sheet Index

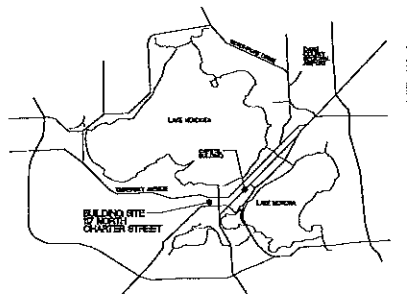
SITE DRAWINGS

Q 001	Title Sheet
Q 101	General Development Plan
Q 102	Site Fire Access Plan
Q 103	Site Circulation and Access Plan
Q 104	Bus Parking Circulation
Y 101	Existing Conditions Notes and Legend
Y 102	Existing Conditions
Y 103	Existing Conditions
C 101	Site Preparation + Erosion Control Plan
C 102	Site Preparation + Erosion Control Plan
C 103	Site Layout and Materials Plan
C 104	Site Layout and Materials Plan
C 105	Site Grading Plan
C 106	Site Grading Plan
C 107	Site Utility Plan
C 108	Site Utility Plan
C 401	Site Enlargement
C 501	Site Erosion Control Details
C 502	Site Details
C 503	Site Details
C 504	Site Utility Details
C 505	Screen Wall Details
C 506	Site Fence Details
C 507	Screen Wall Details
L 101	Site Landscape Plan
L 102	Site Landscape Plan
L 501	Site Landscape Plant List and Details

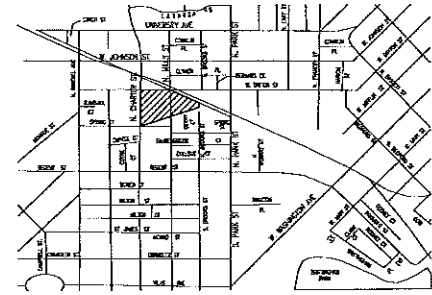
ARCHITECTURAL DRAWINGS

A001	ABBREVIATIONS, SYMBOLS AND NOTES
A002	BUILDING CODE REFERENCE PLANS - BASEMENT
A003	BUILDING CODE REFERENCE PLANS - FIRST FLOOR
A004	BUILDING CODE REFERENCE PLANS - SECOND FLOOR
A101	BASEMENT FLOOR PLAN - DAYTON
A102	FIRST FLOOR PLAN - DAYTON
A103	SECOND FLOOR PLAN - DAYTON
A104	ROOF PLAN - DAYTON
A201	BUILDING ELEVATIONS
A202	BUILDING ELEVATIONS
A203	BUILDING ELEVATIONS
A204	BUILDING ELEVATIONS
A301	BUILDING SECTIONS
A302	BUILDING SECTIONS
A303	BUILDING SECTIONS
A311	WALL SECTIONS
A312	WALL SECTIONS
E 101	SITE LIGHTING PLAN
E 102	SITE LIGHTING PHOTOMETRICS
ADDITIONAL ATTACHMENTS	
EX 101	Site Context Images (1x1)
EX 102	Exterior Renderings (1x1)
EX 103	Exterior Renderings (1x1)
EX 104	Architectural Materials (1x1)
EX 105	Architectural Renderings (1x1)

VICINITY MAP



LOCATION MAP



Prepared for:

State of Wisconsin Department
of Administration
Division of State Facilities

and

University of Wisconsin - Madison
Facilities Planning & Management

Prepared by:

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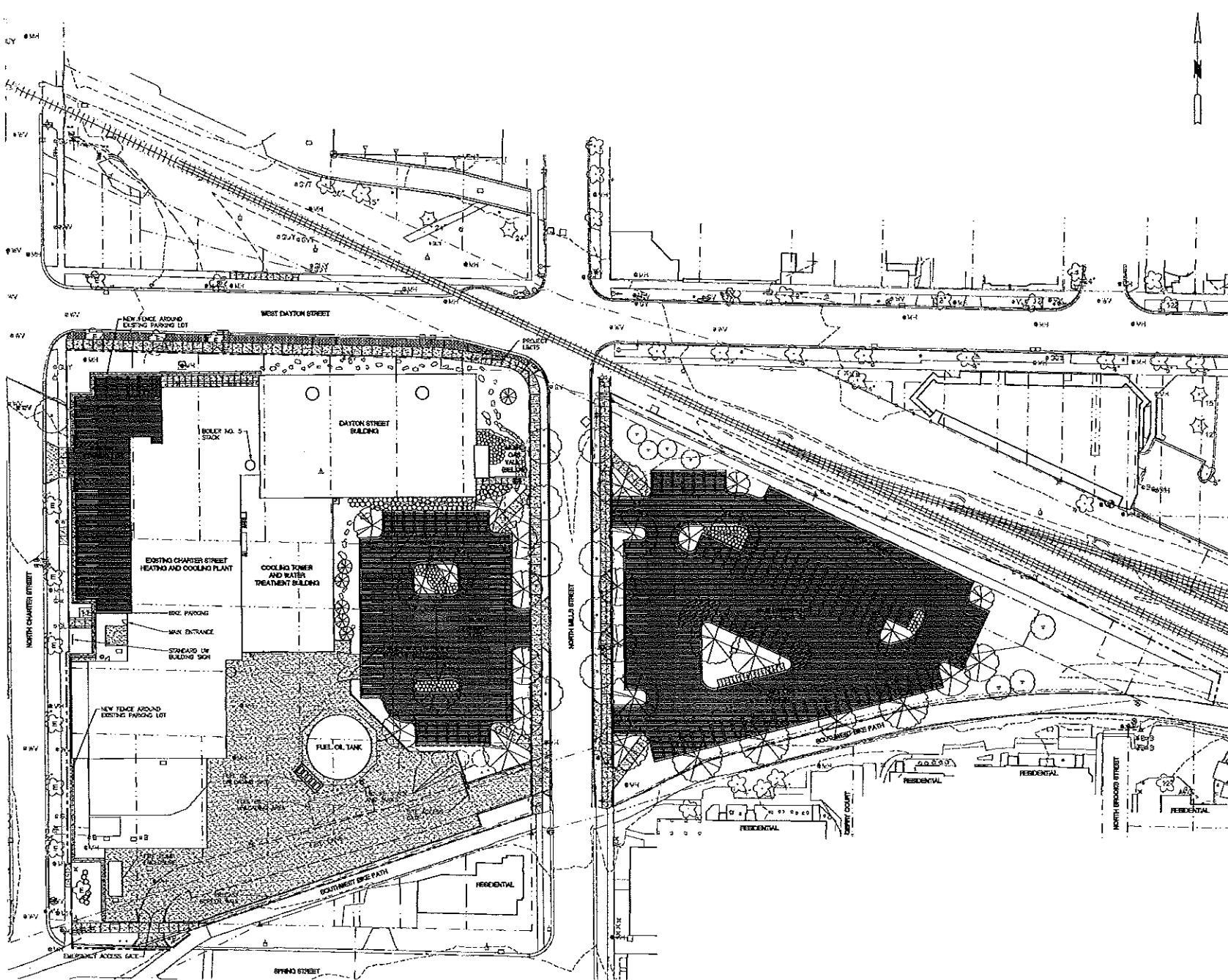
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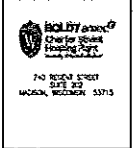


UNIVERSITY OF WISCONSIN - MADISON
117 North Charter Street
Madison, WI 53706

Scale	AS SHOWN
DSF Number	09A2L
Set Title	PR
Date Issued	05/11/2011
Sheet Number	G 001



- NOTES:**
1. CONTRACTOR SHALL CONTACT DIGGERS HOTLINE AND APPROPRIATE UTILITY COMPANIES TO FIELD VERIFY UTILITIES PRIOR TO ANY CONSTRUCTION.
 2. SEE DISTING CONDITIONS PLAN V 101 FOR LISTING OF EXISTING UTILITIES AND PROJECT CONTROL BENCHMARKS, CONTROL MONUMENTS AND ELEVATION RESPECTIVE TABLE.
 3. FINAL RESTORATION OF PUBLIC RIGHT-OF-WAY SHALL BE APPROVED SEPARATELY BY THE BOARD OF PUBLIC WORKS AND SHALL BE NOTED ON CITY OF MADISON PLANS, SHOWN FOR REFERENCE ONLY.
 4. ALL TRUCK DELIVERY ROUTES TO UTILIZE NORTH MILLS STREET ENTRANCES. VEHICLES TO APPROACH FROM NORTH FROM DAYTON STREET. EMERGENCY VEHICLES ALSO CAN USE SPRING STREET GATE ENTRANCE.
 5. THE EAST SIDE OF NORTH MILLS STREET IS THE SITE OF THE MATERIAL HANDLING YARD FOR A FUTURE BIOMASS BOLLER.



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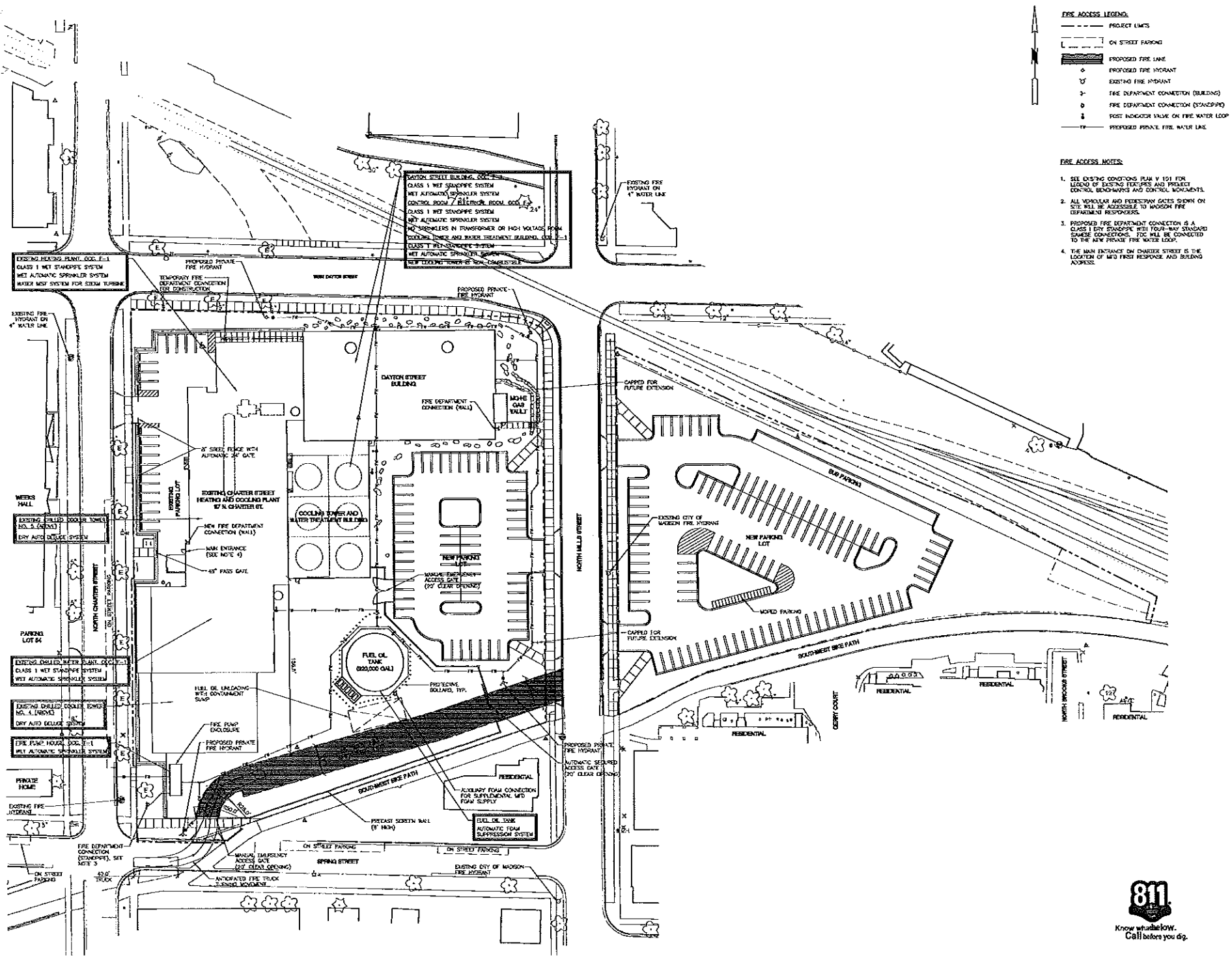
State of Wisconsin
 Department of Administration
 Division of State Facilities

CHARTER STREET HEATING PLANT REBUILD
 Project Location: MADISON, WI
 Project Title: General Development Plan

Revisions	Date	Description
1	05/11/11	ISSUE FOR PERMITS
2	05/11/11	ISSUE FOR PERMITS



Original Scale	1" = 10' 00" 00"
DSF Number	09A2L
Set Type	PR
Date Issued	05/11/2011
Sheet Number	G 101



- FIRE ACCESS LEGEND:**
- PROJECT LIMITS
 - - - ON STREET PARKING
 - ▬ PROPOSED FIRE LINE
 - PROPOSED FIRE HYDRANT
 - ⊕ EXISTING FIRE HYDRANT
 - ⊕ FIRE DEPARTMENT CONNECTION (BUILDING)
 - ⊕ FIRE DEPARTMENT CONNECTION (STANDPIPE)
 - ⊕ POST INDICATOR VALVE ON FIRE WATER LOOP
 - ▬ PROPOSED PRIVATE FIRE WATER LINE

- FIRE ACCESS NOTES:**
1. SEE EXISTING CONDITIONS PLAN V 101 FOR LEGEND OF EXISTING FEATURES AND PROJECT CONTROL BENCHMARKS AND CONTROL MONUMENTS.
 2. ALL VEHICULAR AND PEDESTRIAN GATES SHOWN ON SITE WILL BE ACCESSIBLE TO WISCONSIN FIRE DEPARTMENT RESPONSES.
 3. PROPOSED FIRE DEPARTMENT CONNECTION IS A CLASS 1 ENY ENCASED WITH FOUR-WAY STANDARD SAME-SE CONNECTIONS. FDC WILL BE CONNECTED TO THE NEW PRIVATE FIRE WATER LOOP.
 4. THE MAIN ENTRANCE ON CHARTER STREET IS THE LOCATION OF MFD FIRST RESPONSE AND BUILDING ADDRESS.

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 Division of State Facilities
 UNIVERSITY OF WISCONSIN - MADISON

CHARTER STREET HEATING PLANT REBUILD
 MADISON, WI

Project No.	05042L
Sheet No.	10
Sheet Title	Site Fire Access Plan
Scale	AS SHOWN
Drawn By	SP-10
Checked By	SP-10
Date	05/11/2011
Sheet Number	G 102



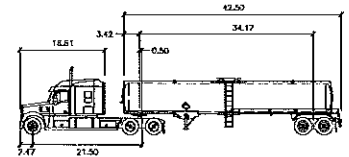
NOTES:

- CONTRACTOR SHALL CONTACT DIGGERS HOTLINE AND APPROPRIATE UTILITY COMPANIES TO FIELD VERIFY UTILITIES PRIOR TO ANY CONSTRUCTION.
- SEE EXISTING CONDITIONS PLAN V.151 FOR LEGEND OF EXISTING FEATURES AND PROJECT CONTROL MONUMENTS, CONTROL MONUMENTS AND UTILITY STRUCTURE TABLE.
- FINAL RESTORATION OF PUBLIC RIGHT OF WAY SHALL BE APPROVED SEPARATELY BY THE BOARD OF PUBLIC WORKS AND SHALL BE SUBMITTED TO THE BOARD OF PUBLIC WORKS. APPROACH FROM NORTH FROM DAYTON STREET, EMERGENCY VEHICLES ALSO CAN USE SPRING STREET GATE ENTRANCE.
- ALL TRUCK DELIVERY ROUTES TO UTILIZE NORTH HILLS STREET ENTRANCES. VEHICLES TO APPROACH FROM NORTH FROM DAYTON STREET, EMERGENCY VEHICLES ALSO CAN USE SPRING STREET GATE ENTRANCE.
- TRUCKS SHOWN ARE MAXIMUM ANTICIPATED VEHICLES. MANY SITE DELIVERIES AND PICK-UPS WILL USE SMALLER DUMP TRUCKS, PANEL VANS AND OTHER SMALLER TRUCKS. ONLY SMALLER TRUCKS WILL NEED TO ACCESS THE LOADING DOCK.
- FUEL OIL DELIVERY WOULD OCCUR IN THE MANNER ONLY BY AN EXTENSIVE GATE BEHIND NATURAL GAS SUPPLY TO THE PLANT IS INTERFERED FOR AN EXTENDED PERIOD OF TIME. THE PARKING LOT WOULD BE CLOSED IN THIS EVENT.

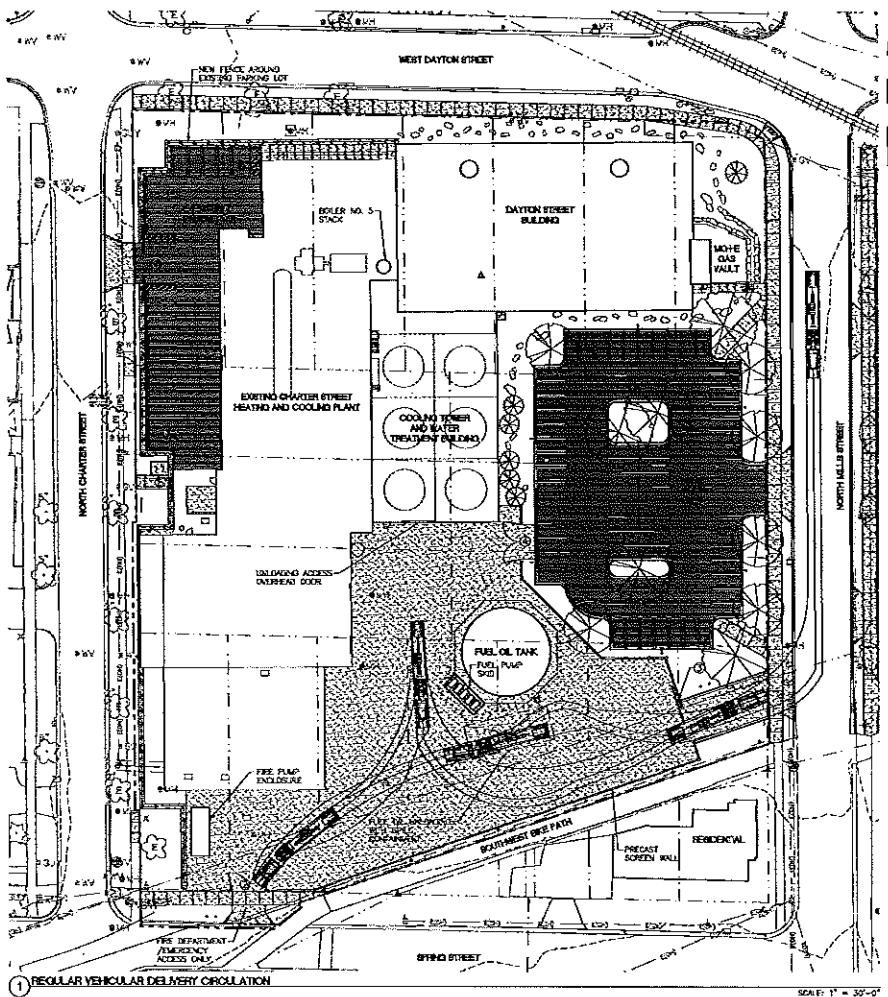
CITY ACCESS GATES:

- 24' VEHICLE AUTOMATED GATE: DOUBLE PANEL SLIDING CANTILEVER, STAFF SWEEP BRUSH, AUTO SENSOR FOR EXISTING.
- 20' VEHICLE NON-AUTOMATED GATE: DOUBLE LEAF SPRING GATE, LOCK WITH CODE DIAL, EMERGENCY FUEL ONLY.
- 20' VEHICLE AUTOMATED GATE WITH BUTTERFLY: SINGLE PANEL SLIDING CANTILEVER, STAFF SWEEP BRUSH, LOCK WITH CODE DIAL, AUTO SENSOR FOR EXISTING.
- 20' VEHICLE NON-AUTOMATED GATE: DOUBLE LEAF SPRING GATE, LOCK WITH CODE DIAL, EMERGENCY FUEL DELIVERY ONLY.
- 4' PEDESTRIAN GATE: STAFF SWEEP BRUSH, BUTTERFLY IN VISORS.

LARGEST ANTICIPATED VEHICLE

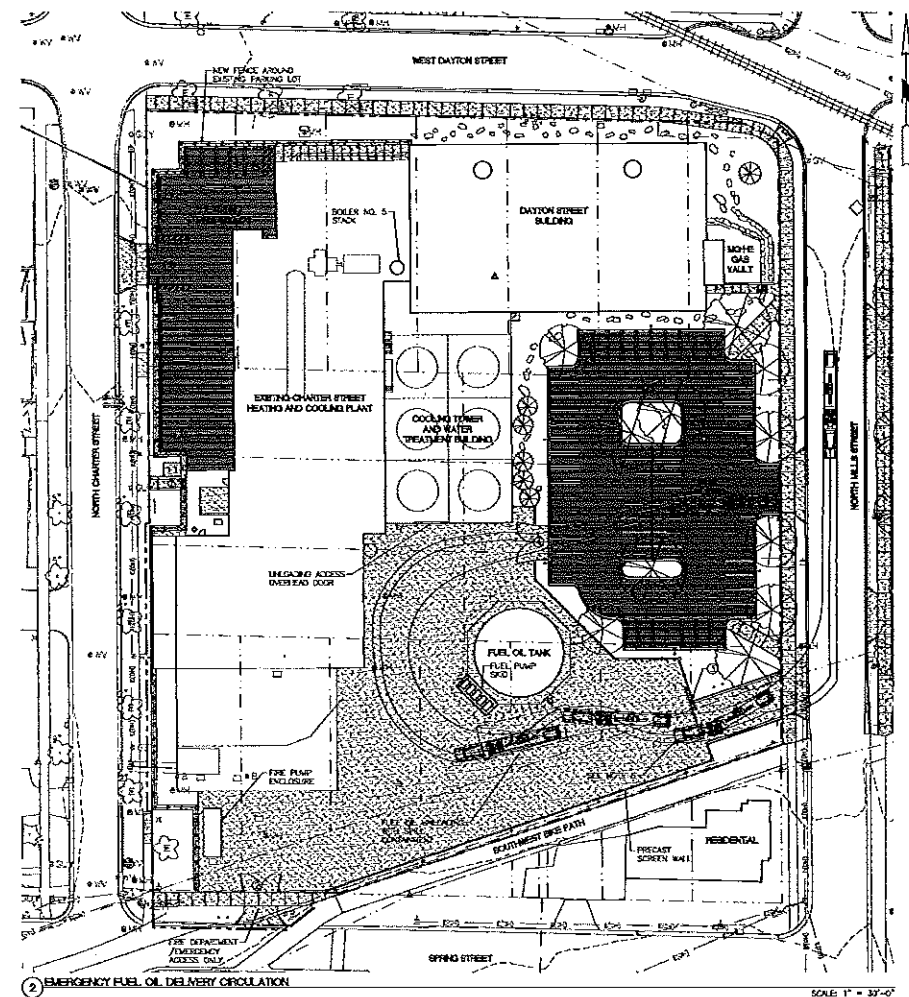


Bergman Tank Trailer	Feet	Lock to Lock Time	Seconds
Trailer Width	8.00	Starting Angle	6.0
Trailer Height	8.00	Arriving Angle	63.1
Trailer Track	8.00		70.0
Trailer Track	8.00		



1 REGULAR VEHICULAR DELIVERY CIRCULATION

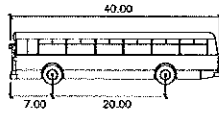
SCALE: 1" = 30'-0"



2 EMERGENCY FUEL OIL DELIVERY CIRCULATION

SCALE: 1" = 30'-0"

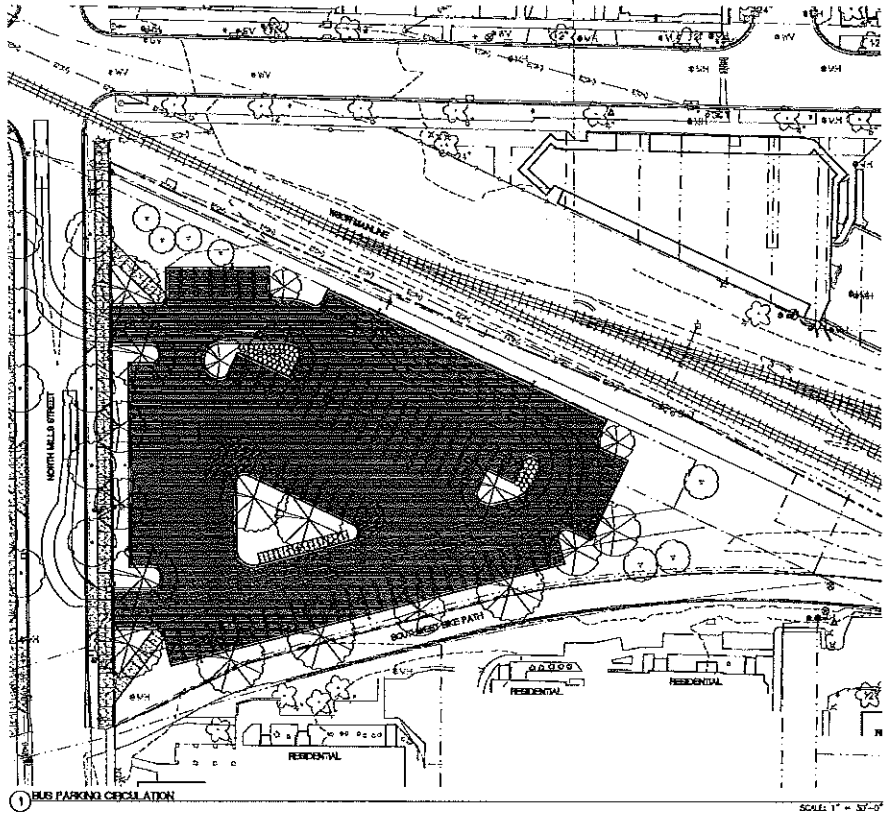
LARGEST ANTICIPATED VEHICLE ON EAST:



S-BUS-40 East
 Max. : 8.00
 Topk : 8.00
 Lock to Lock Time : 8.0
 Steering Angle : 34.4

NOTES:

- CONTRACTOR SHALL CONTACT DODGERS MOBILE AND APPROPRIATE UTILITY COMPANIES TO FIELD VERIFY UTILITIES PRIOR TO ANY CONSTRUCTION.
- SEE EXISTING CONDITIONS PLAN W-101 FOR LEGEND OF EXISTING FEATURES AND PROJECT CONTROL, BENCHMARKS, CONTROL MONUMENTS AND UTILITY STRUCTURE TABLE.
- FINAL RESTORATION OF PUBLIC REPS OF HWY SHALL BE APPROVED SEPARATELY BY THE BOARD OF PUBLIC WORKS AND SHALL BE ISSUED ON CITY OF MADISON PLANS, SHOWN FOR REFERENCE ONLY.

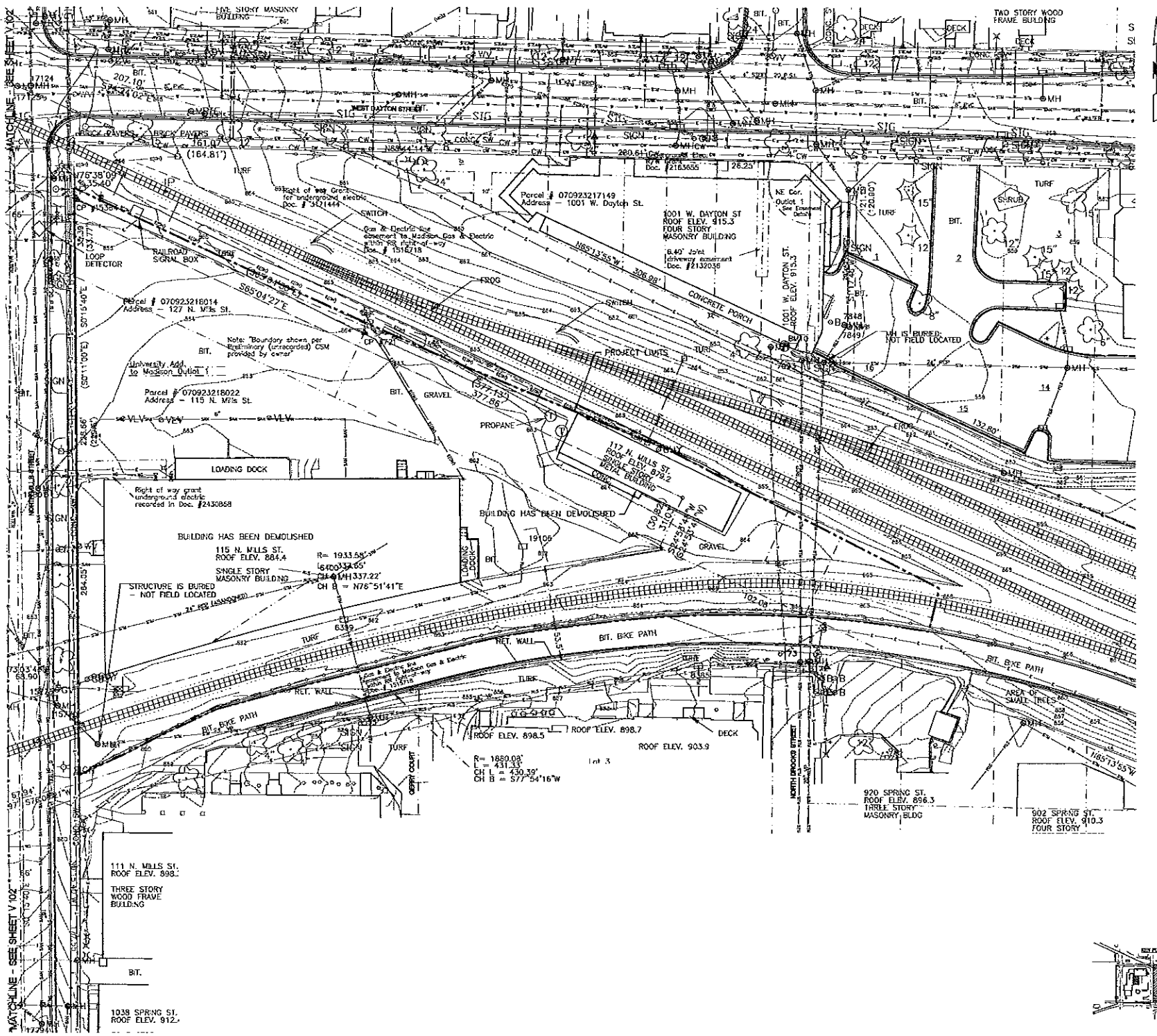


Rev.	Date	Description
A	05/11/2011	CONTRACTOR ISSUE REVISIONS
B	05/17/2011	GA-S&P CITY SUBMITTAL

Graphic Scale	0' 15' 30' 45'
DSP Number	0542L
Set Type	PR
Date Issued	05/11/2011
Sheet Number	G 104




PROJECT: CHARTER STREET HEATING PLANT REBUILD
 SHEET: G 104
 DATE: 05/11/2011
 DRAWN: JWR
 CHECKED: JWR
 TITLE: Bus Parking Circulation



NOTES:
1. SEE EXISTING CONDITIONS PLAN V 101 FOR LISTING OF EXISTING FEATURES AND PROJECT CONTROL BENCHMARKS, CONTROL MARKERS, AND UTILITY STRUCTURES TABLES.

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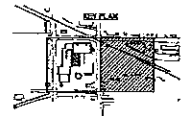
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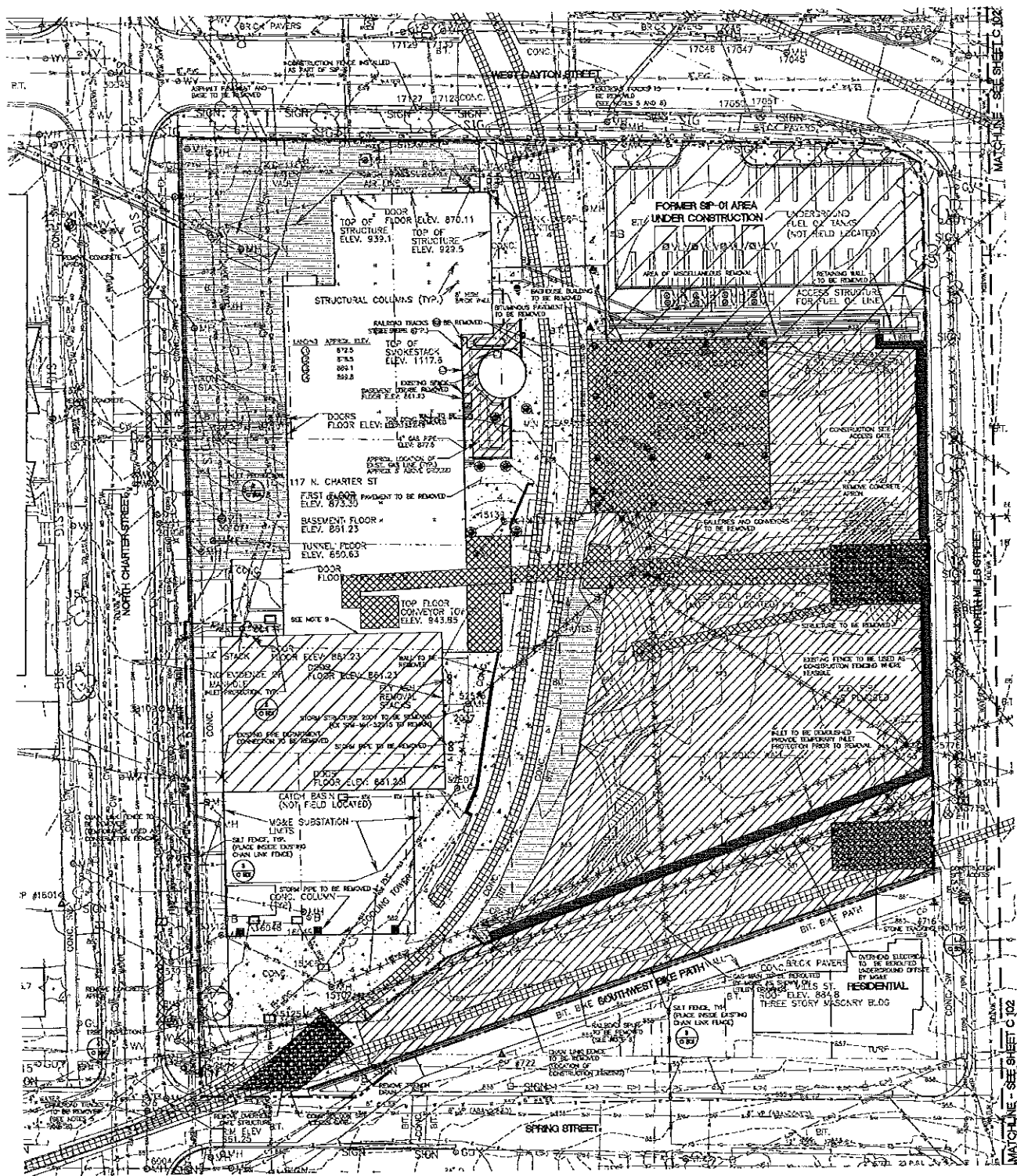
State of Wisconsin
Department of Administration
Division of State Facilities

UNIVERSITY OF WISCONSIN - MADISON

CHARTER STREET HEATING PLANT REBUILD
MADISON, WI
Name: _____
Existing Conditions

Revisions	No.	Date	Description
	1	05/11/11	ISSUE FOR PERMITS
	2	05/11/11	ISSUE FOR PERMITS

Graphic Scale: 1" = 3' 0" 12' 24'
SHEET NUMBER: 05A2L
SHEET TYPE: PR
DATE PLOTTED: 05/11/2011
SHEET NUMBER: V 103





SITE PREPARATION LEGEND:

- ROUTE OF WAY
- CONCRETE PAVEMENT REMOVAL
- BITUMINOUS PAVEMENT REMOVAL
- MISCELLANEOUS REMOVAL
- BUILDING/STRUCTURE REMOVAL
- CURB & GUTTER REMOVAL
- RETAINING WALL REMOVAL
- FENCE REMOVAL
- TREE REMOVAL
- LIGHT POLE REMOVAL
- UTILITY STRUCTURE REMOVAL
- X - X - X UTILITY LINE REMOVAL
- UTILITY LINE ABANDONED
- CONSTRUCTION FENCE
- SALT FENCE
- PALET PROTECTION
- TREE PROTECTION
- MISC. ITEM PROTECTION
- STONE TRACKING PAD

SITE PREPARATION AND EROSION CONTROL NOTES:

1. CONTRACTOR SHALL CONTACT OWNERS, UTILITIES AND APPROPRIATE UTILITY COMPANIES TO FIELD VERIFY UTILITIES PRIOR TO ANY CONSTRUCTION.
2. SEE EXISTING CONDITIONS PLAN V FOR LEGEND OF EXISTING FEATURES AND PROTECT CONTROL BENCHMARKS AND CONTROL MONUMENTS.
3. CONTRACTOR TO PROTECT ALL UTILITIES AND SITE FEATURES UNLESS OTHERWISE SHOWN TO BE REMOVED OR ABANDONED.
4. ITEMS SALVAGED ON UNIVERSITY PROPERTY SHALL REMAIN THE PROPERTY OF THE UNIVERSITY UNLESS OTHERWISE NOTED.
5. DEMOLITION AND FINAL RESTORATION OF PUBLIC RIGHT OF WAY SHALL BE APPROVED SEPARATELY BY THE BOARD OF PUBLIC WORKS AND SHALL BE ISSUED ON CITY OF MADISON PLANS, SHOWN FOR REFERENCE ONLY.
6. ALL WORK IN THE PUBLIC RIGHT OF WAY TO BE PERFORMED BY CITY LICENSED CONTRACTORS.
7. OVERALL GOAL OF EROSION CONTROL PROTECTION IS TO PREVENT ACTUAL DETERIORATION OF EROSION CONTROL. IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND MAY CHANGE AS A RESULT OF CONSTRUCTION SEQUENCING.
8. REMOVAL OF RAILROAD TRACKS, MATERIALS AND EQUIPMENT WILL BE COORDINATED WITH WISCONSIN AND SOUTHERN RAILROAD COMPANY.
9. EXISTING COOLING TOWERS ON TOP OF CHILLER BUILDING TO BE REMOVED.

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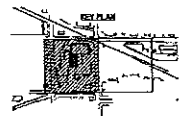
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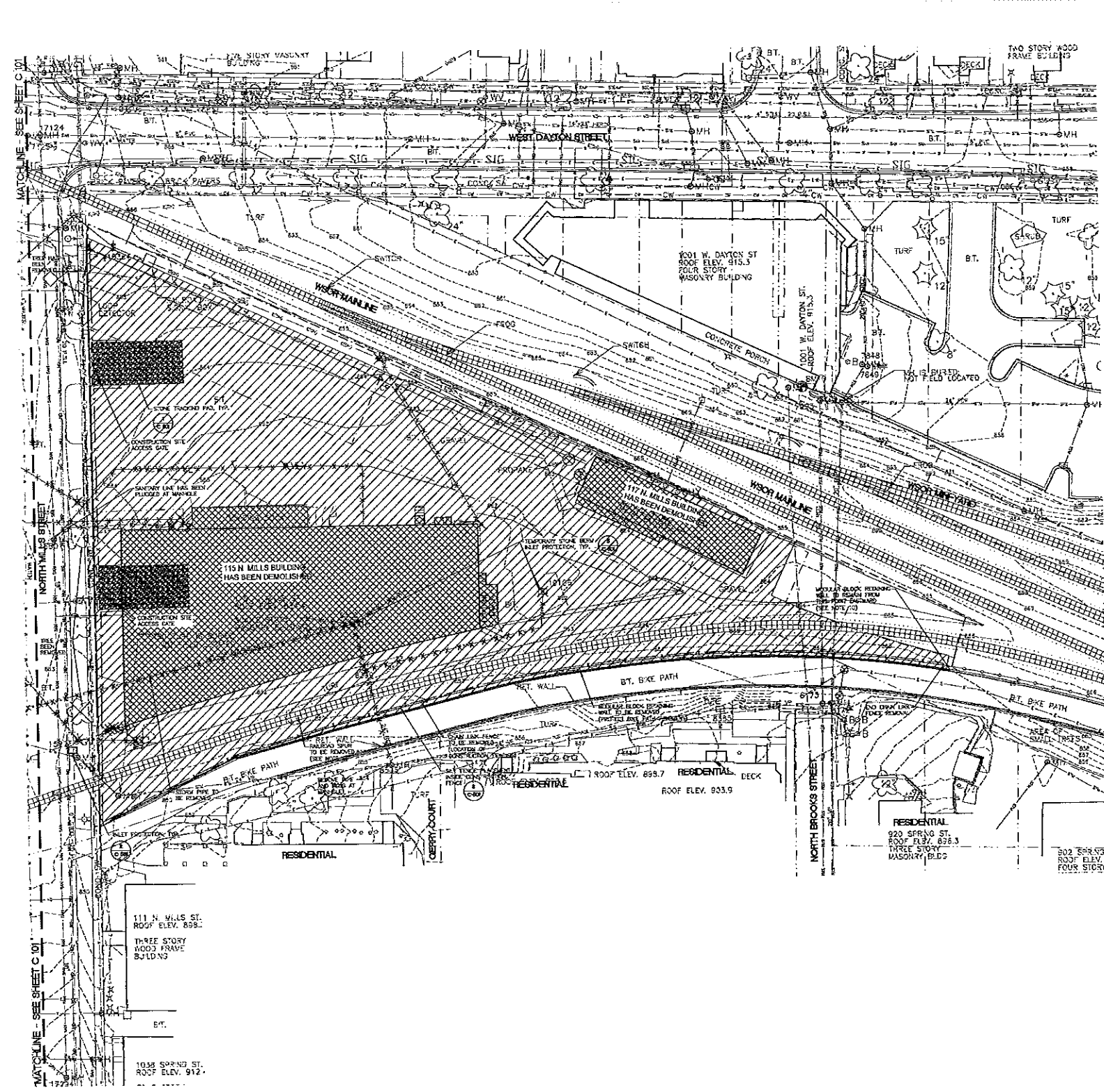
CHARTER STREET HEATING PLANT REBUILD
 PROJECT LOCATION: MADISON, WI
 SHEET TITLE: Site Preparation & Erosion Control Plan

Revision	Number	Description
1	1/20/11	ISSUE FOR PERMITS
2	8/21/11	ISSUE FOR CONSTRUCTION

Graphic Scale	1" = 10' 0"
APP. Number	08A2L
APP. Name	PR
Date Issued	05/11/2011
Sheet Number	C 101



MATCH LINE - SEE SHEET C 102



- SITE PREPARATION LEGEND:**
- RIGHT OF WAY
 - CONCRETE PAVEMENT REMOVAL
 - BITUMINOUS PAVEMENT REMOVAL
 - MISCELLANEOUS REMOVAL
 - BUILDING/STRUCTURE REMOVAL
 - CURS & CLITTER REMOVAL
 - RETAINING WALL REMOVAL
 - FENCE REMOVAL
 - TREE REMOVAL
 - LIGHT POLE REMOVAL
 - UTILITY STRUCTURE REMOVAL
 - X - X - X - UTILITY LINE REMOVAL
 - UTILITY LINE ABANDONED
 - DEMOLITION FENCE
 - SELF FENCE
 - RAIL PROTECTION
 - TREE PROTECTION
 - MISC. ITEM PROTECTION
 - STONE TRACKING PAD

- SITE PREPARATION AND EROSION CONTROL NOTES:**
1. CONTRACTOR SHALL CONTACT DIGGERS HEELING AND APPROPRIATE UTILITY COMPANIES TO FIELD VERIFY UTILITIES PRIOR TO ANY DEMOLITION.
 2. SEE EXISTING CONDITIONS PLAN V 101 FOR LEGEND OF EXISTING FEATURES AND PROTECT CONTROL BENCHMARKS AND CONTROL MEASUREMENTS.
 3. CONTRACTOR TO PROTECT ALL UTILITIES AND SITE FEATURES UNLESS OTHERWISE SHOWN TO BE REMOVED OR ABANDONED.
 4. ITEMS ABANDONED ON UNIVERSITY PROPERTY SHALL REMAIN THE PROPERTY OF THE UNIVERSITY UNLESS OTHERWISE NOTED.
 5. DEMOLITION AND FINAL RESTORATION OF PUBLIC RIGHT OF WAY SHALL BE APPROVED SEPARATELY BY THE BOARD OF PUBLIC WORKS AND SHALL BE ISSUED ON CITY OF MADISON PLANS, SHOWN FOR REFERENCE ONLY.
 6. ALL WORK IN THE PUBLIC RIGHT OF WAY TO BE PERFORMED BY CITY LICENSED CONTRACTORS.
 7. OVERALL INTENT OF EROSION CONTROL PROTECTION IS TO SHOW ACTUAL SITUATION OF EROSION CONTROL. IS THE RESPONSIBILITY OF THE CONTRACTOR AND MAY CHANGE AS A RESULT OF CONSTRUCTION SEQUENCE.
 8. REMOVAL OF RAILROAD TRACK, MATERIALS AND EQUIPMENT WILL BE COORDINATED WITH REGIONAL AND SECTION RAILROAD COMPANY.
 9. EXISTING COOLING TOWERS ON TOP OF CHILLER BUILDING TO BE REMOVED.
 10. CONTRACTOR TO SAVE ENOUGH REEDE WALL UNITS TO PROVIDE A TRANSFER AT THE END OF THE WALL.

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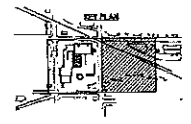
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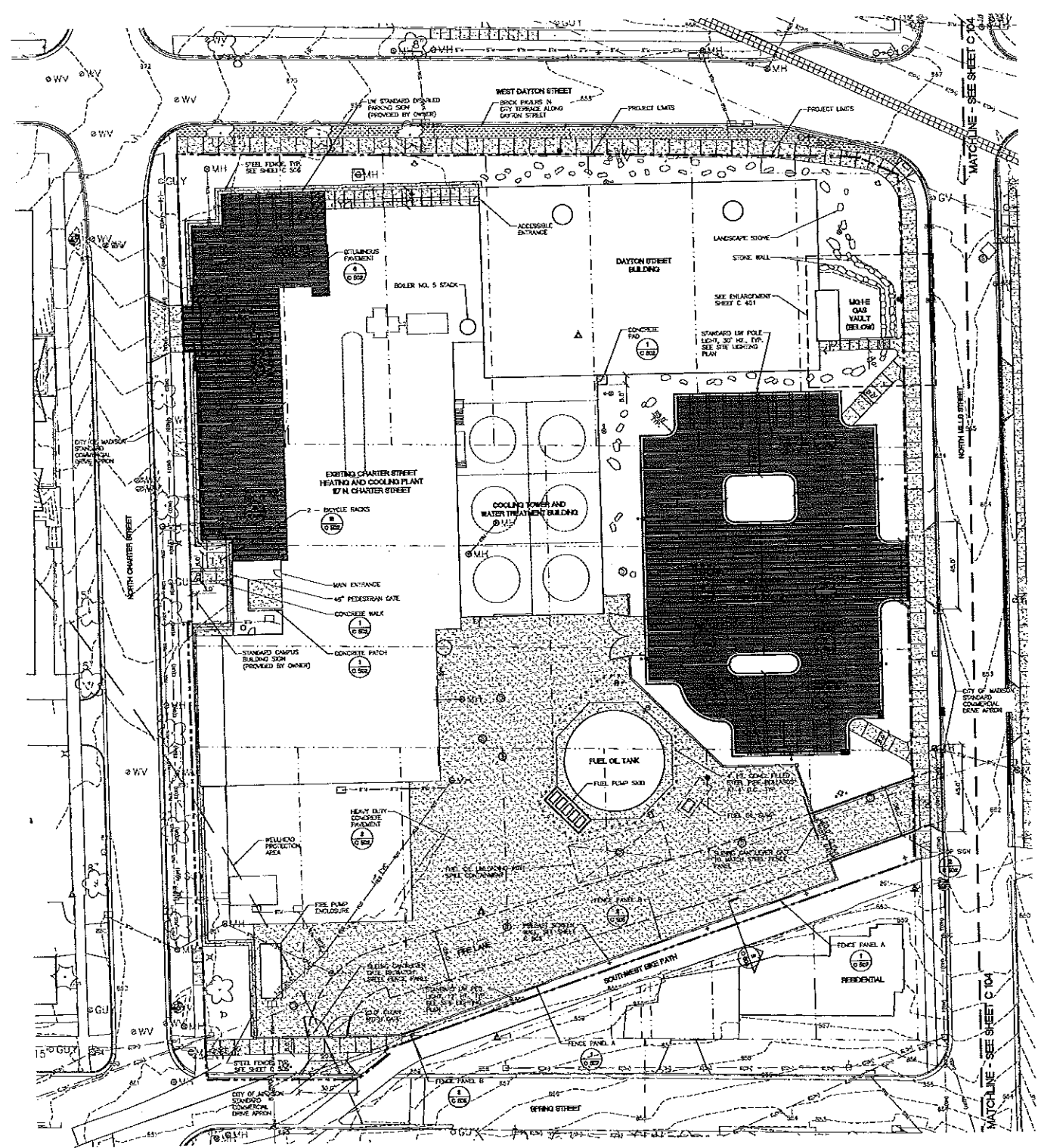
State of Wisconsin
 Department of Administration
 Division of State Facilities

CHARTER STREET HEATING PLANT REBUILD
 PROJECT LOCATION: MADISON, WI
 SHEET TITLE: Site Preparation & Erosion Control Plan

Revision	1	DATE	05/11/2011	BY	SP
2	DATE	05/11/2011	BY	SP	SP
3	DATE	05/11/2011	BY	SP	SP
4	DATE	05/11/2011	BY	SP	SP
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100	DATE	05/11/2011	BY	SP	SP

811
 Know what's below.
 Call before you dig.





SITE LAYOUT LEGEND:

- PROPERTY LIMITS
- - - CONTROL JOINT
- - - EXPANSION JOINT
- CHAIN LINK FENCE
- SCREEN WALL
- STEEL FENCE
- CURB AND GUTTER
- SIGN
- ⊕ LIGHT POLE
- ⊙ FIRE LANE
- ⊙ CATCH BASIN/RAIN HOLE
- ▒ CONCRETE PAVEMENT
- ▒ STIPULOUS PAVEMENT

SITE LAYOUT AND MATERIALS NOTES:

1. CONTRACTOR SHALL CONTACT UTILITY COMPANIES TO IDENTIFY AND APPROXIMATE UTILITY LOCATIONS TO BE PROTECTED PRIOR TO ANY CONSTRUCTION.
2. SEE EXISTING CONDITIONS PLANS V. 151 - V. 153 FOR LOCATION OF EXISTING UTILITIES. PROJECT CONTROL, DIMENSIONS, AND CONTROL MONUMENTS.
3. ALL INFORMATION WILL BE PROVIDED TO CONTRACTOR IN ELECTRONIC FORMAT FOR CONSTRUCTION PURPOSES. ALL DIMENSIONS SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. ANY DISCREPANCIES BETWEEN INFORMATION SHOWN ON CAD FILE SHALL BE BROUGHT TO ENGINEER/LANDSCAPE ARCHITECT'S ATTENTION PRIOR TO CONSTRUCTION.
4. IN ADDITION TO THOSE NOTED ON PLANS, EXPANSION JOINTS SHALL BE LOCATED AT ALL FRESH SITE SOLUTIONS, I.E. BUILDING FACE, TOWERS, ETC.
5. ALL WORK IN THE PUBLIC RIGHT OF WAY TO BE PERFORMED BY CITY LICENSED CONTRACTORS.
6. FINAL RECONSTRUCTION OF PUBLIC RIGHT OF WAY SHALL BE APPROVED SEPARATELY BY THE BOARD OF PUBLIC WORKS AND SHALL BE ISSUED ON CITY OF MADISON PLANS, SHOWN FOR REFERENCE ONLY.
7. TYPICAL PARKING LOT DIMENSIONS SHOWN FROM FACE OF CURB TO FACE OF CURB.
8. STANDARD L.W. FENCING SIGNS NOT SHOWN, TO BE PROVIDED BY OWNER.

BOLDY ARCH
Charter Street Heating Plant
740 BEANE STREET
SUITE 202
MADISON, WISCONSIN 53703

JJR
ARCHITECTS
303 MILL HARBOR STREET
MADISON, WI 53703
608.261.1777
608.261.6474
www.jjr.com

State of Wisconsin
Department of Administration
Division of State Facilities

CHARTER STREET HEATING PLANT REBUILD
Project Location: MADISON, WI
Site Layout and Materials Plan

Revision	Date	Description
1	04/27/11	ISSUE FOR BIDDING
2	05/11/11	ISSUE FOR CONSTRUCTION

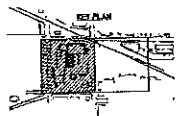
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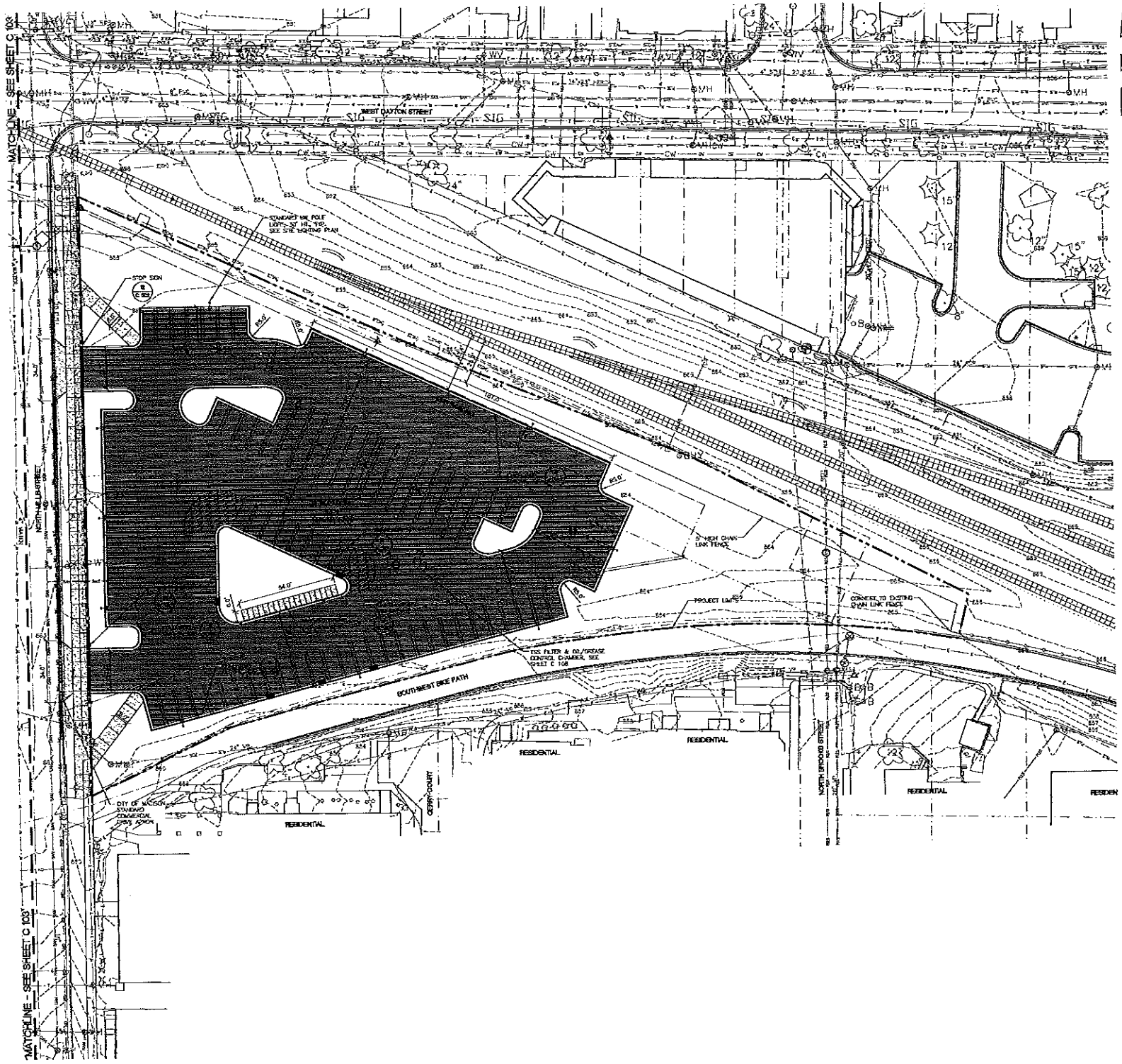
Job Number: 09A2L

Job Type: FR

Date Issued: 05/11/2011

Sheet Number: C 103





SITE LAYOUT LEGEND:

- PROJECT LIMITS
- PROPERTY LINES
- CONCRETE JOINT
- EXPANSION JOINT
- CHAIN LINK FENCE
- SCREEN WALL
- STEEL FENCE
- CURB AND GUTTER
- SOH
- LIGHT POLE
- FIRE LANE
- CATCH BASIN/WASHHOLE
- CONCRETE PAVEMENT
- BITUMINOUS PAVEMENT

SITE LAYOUT AND MATERIALS NOTES:

1. CONTRACTOR SHALL CONTACT DIGGERS HOTLINE AND APPROPRIATE UTILITY COMPANIES TO FIELD VERIFY UTILITIES PRIOR TO ANY CONSTRUCTION.
2. SEE EXISTING CONDITIONS PLANS W 151 - V 103 FOR LEGEND OF EXISTING FEATURES, PROJECT CONTROL BENCHMARKS, AND CONTROL MONUMENTS.
3. LAYOUT INFORMATION WILL BE PROVIDED TO CONTRACTOR IN BLOCKING FORMAT FOR CONSTRUCTION LAYOUT. ALL DIMENSIONS SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY. ANY DISCREPANCIES BETWEEN INFORMATION SHOWN ON THIS FILE SHALL BE BROUGHT TO ENGINEER/LANDSCAPE ARCHITECTS ATTENTION PRIOR TO CONSTRUCTION.
4. IN ADDITION TO THOSE NOTED ON PLANS, EXPANSION JOINTS SHALL BE LOCATED AT ALL FIXED SITE STRUCTURES, I.E. BUILDING FINIS, WALLS, ETC.
5. ALL WORK IN THE PUBLIC RIGHT OF WAY TO BE PERFORMED BY CITY LICENSED CONTRACTORS.
6. FINAL RESTORATION OF PUBLIC RIGHT OF WAY SHALL BE APPROVED SEPARATELY BY THE BOARD OF PUBLIC WORKS AND SHALL BE ISSUED ON CITY OF MADISON PLANS, SHOWN FOR REFERENCE ONLY.
7. TYPICAL PARKING LOT DIMENSIONS SHOW FROM FACE OF CURB TO FACE OF CURB.
8. SCHEDULED ON PARKING SIGNS NOT SHOWN TO BE PROVIDED BY OWNER.



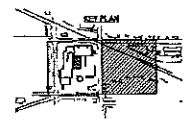
JJR CONSULTANTS, INC.
 700 BROWN STREET
 SUITE 202
 MADISON, WI 53703
 608.251.1177
 www.jjr.com

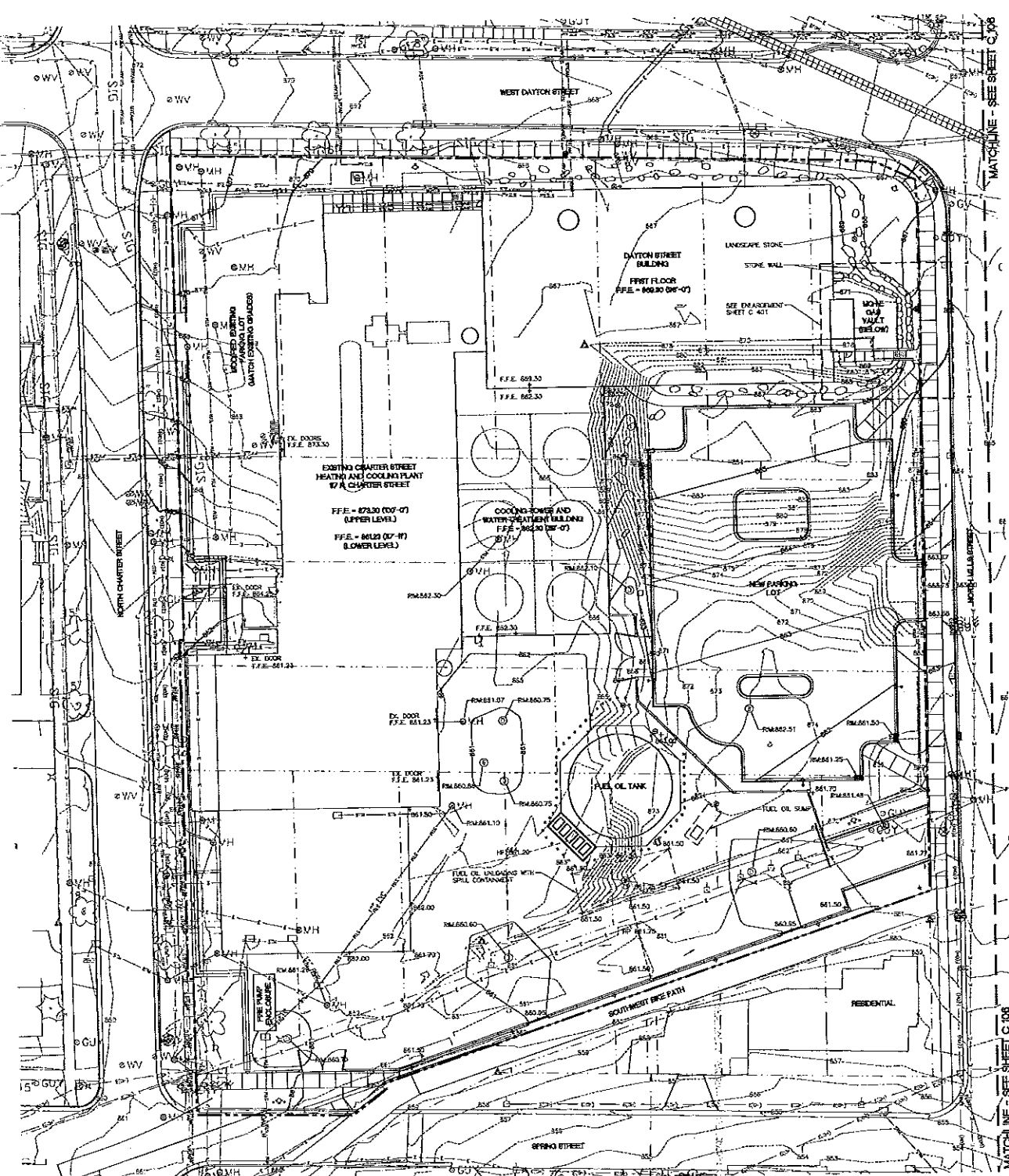
State of Wisconsin
 Department of Administration
 Division of State Facilities
 UNIVERSITY OF WISCONSIN - MADISON

CHARTER STREET HEATING PLANT REBUILD
 MADISON, WI
 Site Layout and Materials Plan

Revisions	No.	Date	Description
	A	10/21/11	ISSUE FOR PERMITS
	B	02/27/11	FOR CITY SIGNATURE

Drawn	Scale	1" = 10' 0"
DF	Number	0942L
SK	Type	PR
Conc.	Issued	05/11/2011
Sheet	Number	C 104





- LEGEND:**
- PROJECT LIMITS
 - PROPERTY LINE
 - MAJOR CONTOUR
 - MAJOR CONTOUR
 - SPOT ELEVATION
 - +TW 865.50 TOP OF WALL ELEVATION
 - +BW 866.50 BOTTOM OF WALL ELEVATION
 - +TC 866.53 TOP OF CURB ELEVATION
 - +BC 866.50 BOTTOM OF CURB ELEVATION

- NOTES:**
1. CONTRACTOR SHALL CONDUCT DIGGERS NEUTRAL AND APPROPRIATE UTILITY COMPANIES TO FIELD VERIFY UTILITIES PRIOR TO ANY CONSTRUCTION.
 2. HAVO RL 873.00 ELEVATION = 100'-0" ARCHITECTURAL ELEVATION.
 3. SEE EXISTING CONDITIONS PLANS V 101 - V 103 FOR LEGEND OF EXISTING FEATURES AND LOCATIONS OF PROJECT CONTROL BENCHMARKS AND CONTROL MONUMENTS.
 4. ALL WORK IN THE PUBLIC RIGHT OF WAY TO BE PERFORMED BY THE CITY LICENSED CONTRACTORS.
 5. FINAL RESTORATION OF PUBLIC RIGHT OF WAY SHALL BE APPROVED SEPARATELY BY THE BOARD OF PUBLIC WORKS AND SHALL BE FILED ON CITY OF MADISON PLANS, SHOWN FOR REFERENCE ONLY.



JJR
 ENGINEERING, INC.
 710 NORTH STREET
 SUITE 202
 MADISON, WISCONSIN 53705
 (608) 261-1177
 (608) 261-1147
 www.jjr.com

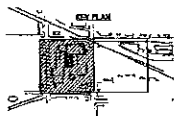
State of Wisconsin
 Department of Administration
 Division of State Facilities

UNIVERSITY OF WISCONSIN - MADISON

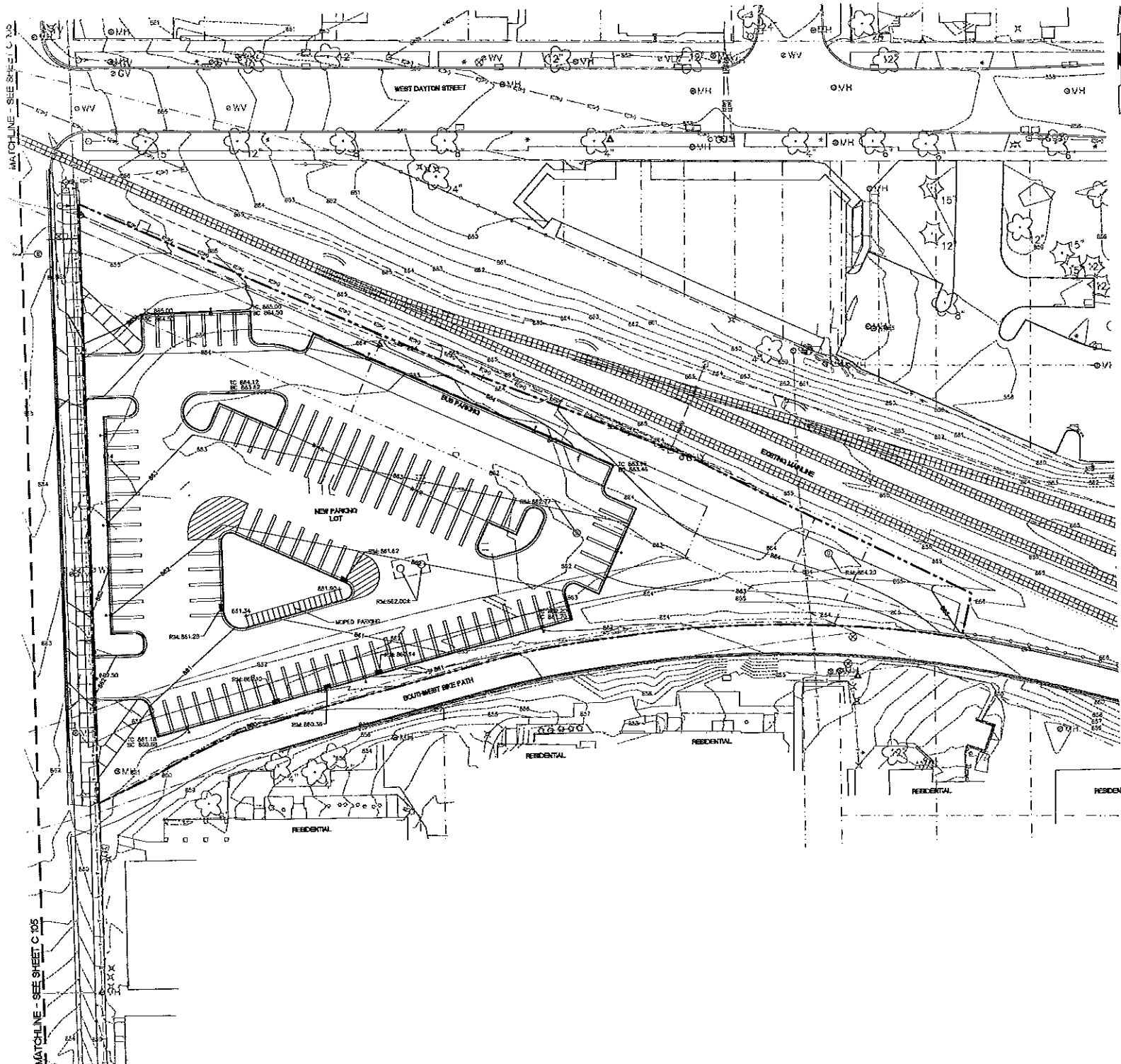
CHARTER STREET HEATING PLANT REBUILD
 Project Location: MADISON, WI
 Site Grading Plan

Revision	Date	Description
1	04/20/11	09-10 SIDE VIEW
2	05/11/11	09-10 CIV. SHEET

Graphic Scale	0' 5' 10' 20' 30'
DSF Number	09A2L
Task	FR
Date Issued	05/11/2011
Sheet Number	C 105



MATCHLINE - SEE SHEET C 106



- LEGEND:**
- PROJECT LIMITS
 - - - PROPERTY LINE
 - MAJOR CONTOUR
 - MAJOR CONTOUR
 - SPOT ELEVATION
 - +1# 866.50 TOP OF WALL ELEVATION
 - +2# 866.50 BOTTOM OF CURB ELEVATION
 - +3# 866.50 TOP OF CURB ELEVATION
 - +4# 866.50 BOTTOM OF CURB ELEVATION

- NOTES:**
1. CONTRACTOR SHALL CONTACT DIGGERS HOTLINE AND APPROPRIATE UTILITY COMPANIES TO FIELD VERIFY UTILITIES PRIOR TO ANY CONSTRUCTION.
 2. NAVD 88 874.30 ELEVATION = 100'-0" ARCHITECTURAL ELEVATION.
 3. SEE EXISTING CONDITIONS PLANS V 101 - V 133 FOR LEGEND OF EXISTING FEATURES AND LOCATIONS OF PROJECT CONTROL BENCHMARKS AND CONTROL MONUMENTS.
 4. ALL WORK IN THE PUBLIC RIGHT OF WAY TO BE PERFORMED BY THE CITY LICENSED CONTRACTORS.
 5. FINAL RESTORATION OF PUBLIC RIGHT OF WAY SHALL BE APPROVED SEPARATELY BY THE BOARD OF PUBLIC WORKS AND SHALL BE BASED ON CITY OF MADISON PLANS, SHOWN FOR REFERENCE ONLY.

BOLIVY INCORPORATED
 Charter Street Heating Plant
 140 HEDGE STREET
 MADISON, WISCONSIN 53715

DATE: 05/11/2011
 DRAWN BY: JJR
 CHECKED BY: JJR
 PROJECT NO: 09A2L

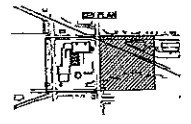
State of Wisconsin
 Department of Administration
 Division of State Facilities

UNIVERSITY OF WISCONSIN - MADISON

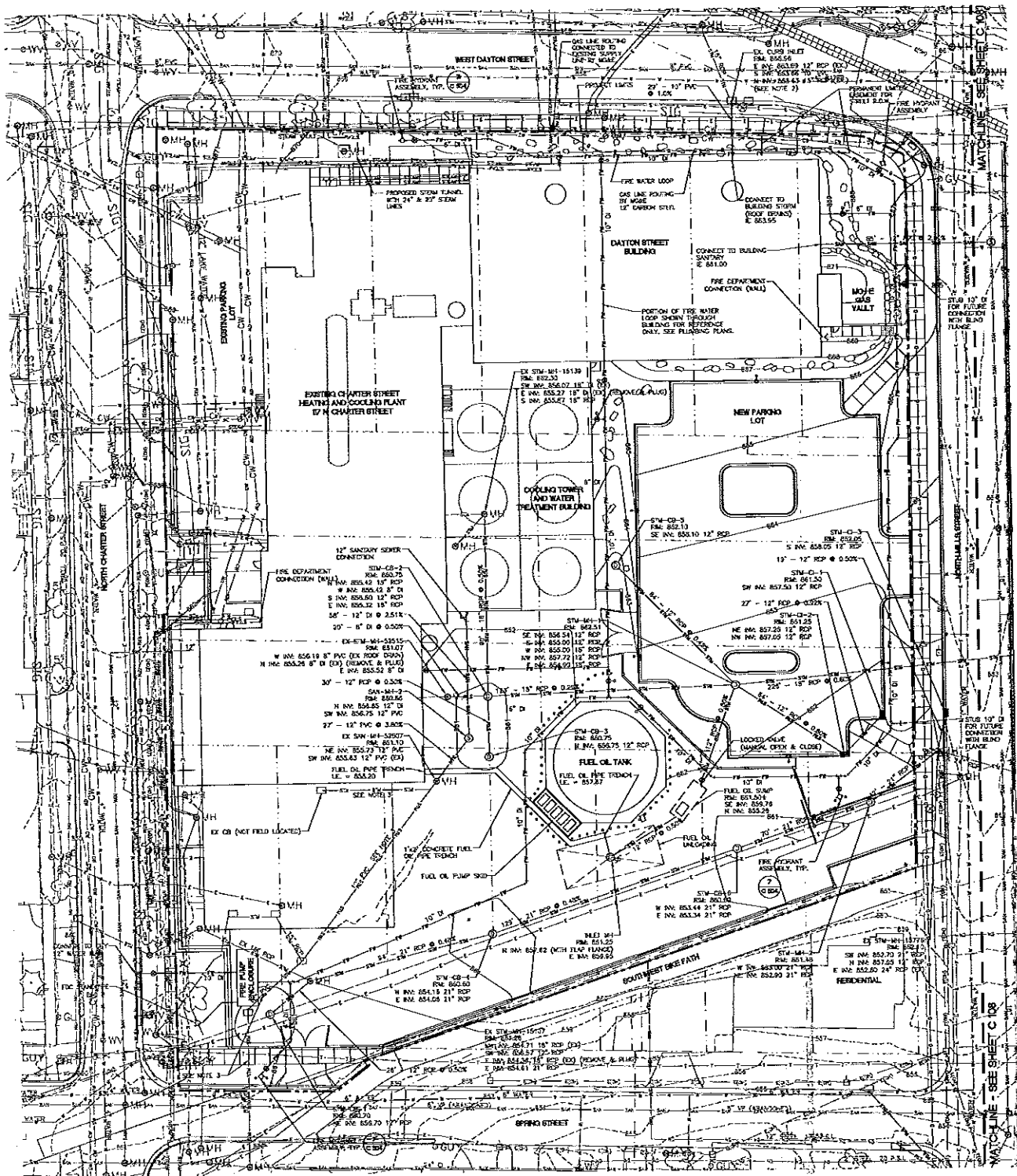
PROJECT: CHARTER STREET HEATING PLANT REBUILD
 MADISON, WI

DATE: 05/11/2011
 DRAWN BY: JJR
 CHECKED BY: JJR

Graphic Scale	1" = 5' 10"
Map Number	09A2L
Site Type	FR
Date Issued	05/11/2011
Sheet Number	C 106



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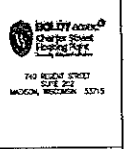


LEGEND:

- PROJECT LINES
- STORY LINE
- SANITARY LINE
- WATER LINE
- FIRE PROTECTION MAIN
- GAS LINE
- ⊕ CURB INLET
- ⊕ STORM MANHOLE / CATCH BASIN
- ⊕ SANITARY MANHOLE
- ⊕ HOB/VALVE
- ⊕ DATE VALVE
- ⊕ POST INDICATOR VALVE

NOTES:

1. CONTRACTOR SHALL CONTACT DIGGERS HEURLE AND APPROPRIATE UTILITY COMPANIES TO FIELD VERIFY UTILITIES PRIOR TO ANY CONSTRUCTION.
2. SEE EXISTING CONDITIONS PLANS W 122 - Y 133 FOR LEGEND OF EXISTING FEATURES AND PROJECT CONTROL BENCHMARKS AND CONTROL MEASUREMENTS.
3. EXISTING STORM SEWER CONNECTIONS TO MAJOR SANITARY SEWER IN SPRING STREET, THESE EXISTING PIPES AND STRUCTURES WILL BE MODIFIED TO ACCEPT SANITARY TRENCH, NEW SANITARY CASTINGS WILL BE PROVIDED.
4. PROPOSED NATURAL GAS MAIN ROUTING TO BE PERFORMED BY WORK LOCATION SHOWN FOR REFERENCE ONLY.
5. ALL UTILITY RELOCATION SHALL BE COORDINATED WITH THE INSTALLATION OF NEW UTILITY TO ENSURE CONTINUOUS OPERATION.
6. ALL PRIVATE WATER MAINS AND SERVICES SHALL BE INSTALLED WITH 6" OF COVER.
7. ALL CATCH BASINS SHALL HAVE OPEN GRATES AND ALL STORM MANHOLES SHALL HAVE SOLID COVERS. SANITARY MANHOLES SHALL HAVE SOLID COVERS WITH VENT VALVES.
8. FINAL GAS LINE LOCATION AND ROUTING TO BE DETERMINED BY MGA.



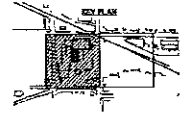
JJB
 JJB ENGINEERING, INC.
 740 NORTH STREET, SUITE 221
 MADISON, WISCONSIN 53715
 608.241.0171
 608.241.0170 F
 www.jjb.com

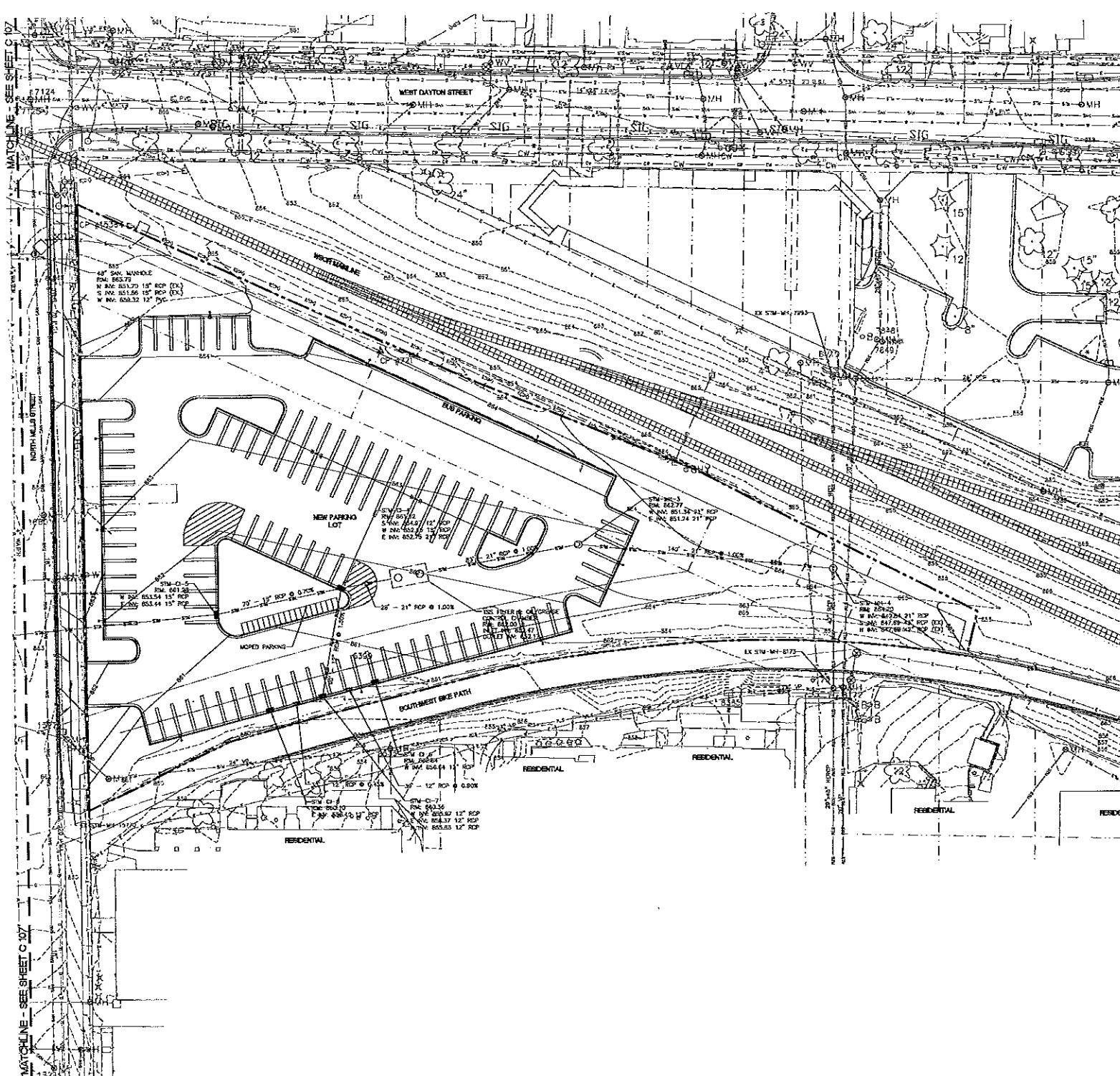
State of Wisconsin
 Department of Administration
 Division of State Facilities
 UNIVERSITY OF WISCONSIN - MADISON

CHARTER STREET HEATING AND COOLING PLANT REBUILD
 MADISON, WI
 Site Name: Charter Street Heating Plant
 Date: 05/11/2011

Rev.	Date	Description
1	05/11/2011	ISSUE FOR BIDDING
2	07/17/2011	ISSUE FOR CITY SIGNING

Scale:	AS SHOWN
RFI Number:	09A2L
Set Type:	PR
Date Issued:	05/11/2011
Sheet Number:	C 107





LEGEND:

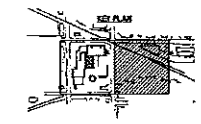
- PROJECT LIMITS
- STORM LINE
- SANITARY LINE
- WATER LINE
- FIRE PROTECTION MAIN
- GAS LINE
- STORM MANHOLE
- ⊙ STORM MANHOLE / CATCH BASIN
- ⊙ SANITARY MANHOLE
- ⊙ HYDRANT
- ⊙ GATE VALVE
- ⊙ POST INDICATOR VALVE

NOTES:

1. CONTRACTOR SHALL CONTACT DODGERS HOTLINE AND APPROPRIATE UTILITY COMPANIES TO FIELD VERIFY UTILITIES PRIOR TO ANY CONSTRUCTION.
2. SEE EXISTING CONDITIONS PLANS V 102 - V 103 FOR LEGEND OF EXISTING FEATURES AND PROJECT CONTROL BENCHMARKS AND CONTROL WORKPOINTS.
3. EXISTING STORM SEWER CONDUITS TO LEAD SANITARY SEWER IN SPRING SCILLS. THESE EXISTING PIPES AND STRUCTURES WILL BE MODIFIED TO ACCEPT SANITARY FLOWS. NEW SANITARY CASTINGS WILL BE PROVIDED.
4. PROPOSED NATURAL GAS MAIN ROUTING TO BE REFERENCED BY IMAGE. LOCATION SHOWN FOR REFERENCE ONLY.
5. ALL UTILITY DEMOLITION SHALL BE COORDINATED WITH THE INSTALLATION OF NEW UTILITY TO ENSURE CONCLUSIVE OPERATION.
6. ALL PRIVATE WATER MAINS AND SERVICES SHALL BE INSTALLED WITH 4" OF COVER.
7. ALL CATCH BASINS SHALL HAVE OPEN GROUTES AND ALL STORM MANHOLES SHALL HAVE SOLID COVERS. SANITARY MANHOLES SHALL HAVE SOLID COVERS WITH VENT HOLES.

MATCHLINE - SEE SHEET C 107

MATCHLINE - SEE SHEET C 107



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UTILITY GROUP
Charter Street Heating Plant

240 WEST STREET
SUITE 202
MADISON, WISCONSIN 53703

Consultant

JJR

JAMES J. RYAN, INC.
100 BALL POND STREET
MADISON, WI 53705
608.251.1171
608.251.1147
www.jjr.com

State of Wisconsin
Department of Administration
Division of State Facilities

UNIVERSITY OF WISCONSIN - MADISON

CHARTER STREET HEATING PLANT REBUILD

Project Location: MADISON, WI
Issue Title: Site Utility Plan

Revision	As Shown	Date	By	Checked
1	AS SHOWN	05/11/11	DSZL	FR
2	AS SHOWN	05/11/11	DSZL	FR

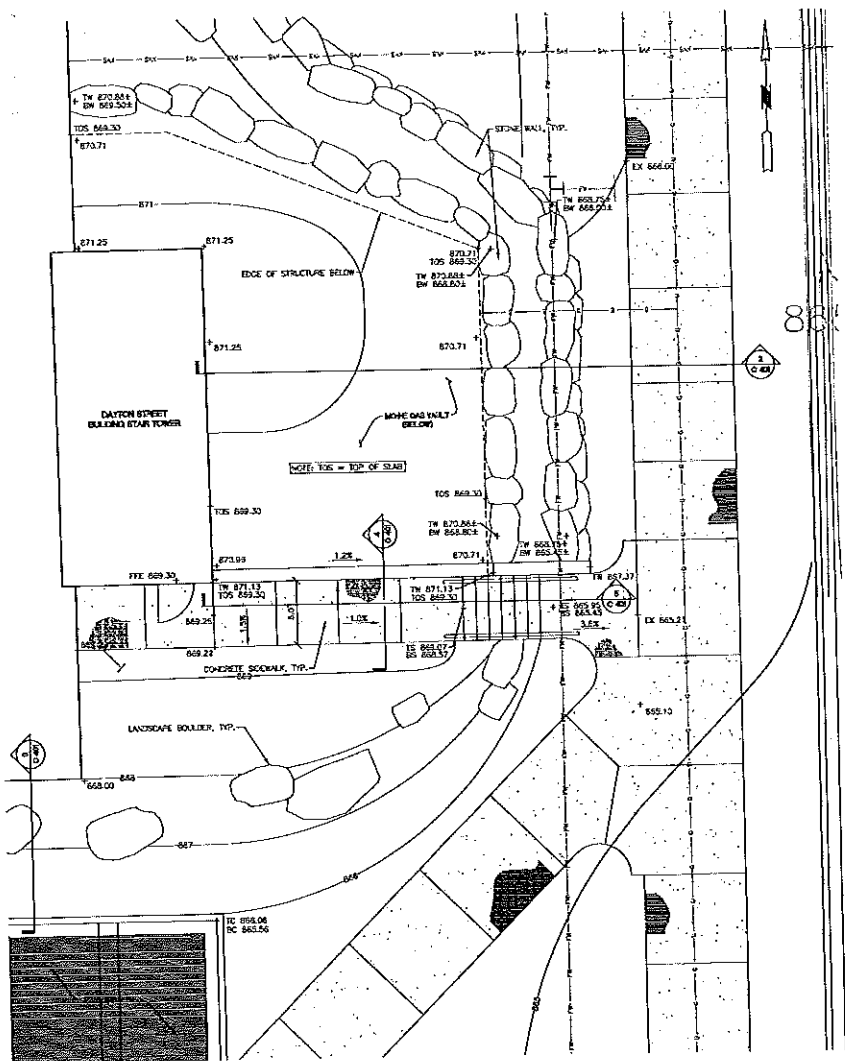
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DSF Number: DSZL

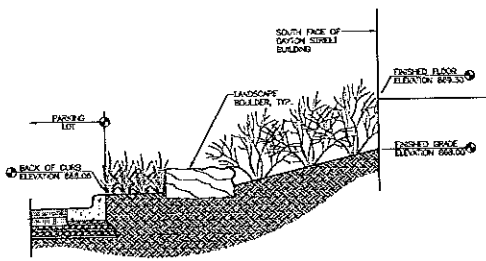
Scale: FR

Date Issued: 05/11/2011

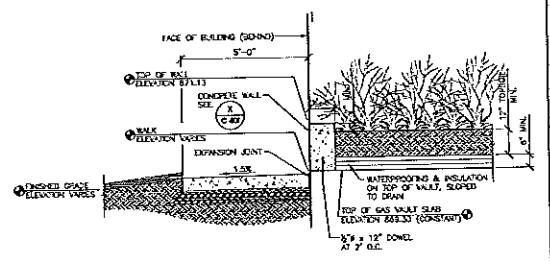
Sheet Number: C 108



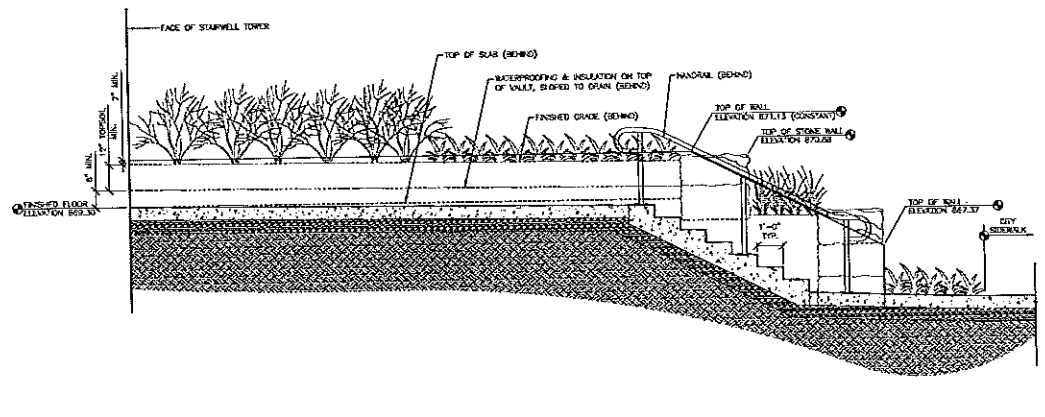
1 GAS VAULT GREEN ROOF ENLARGEMENT SCALE: 3/4"=1'-0"



3 PARKING LOT TO BUILDING LANDSCAPE AREA - SECTION SCALE: 3/4"=1'-0"

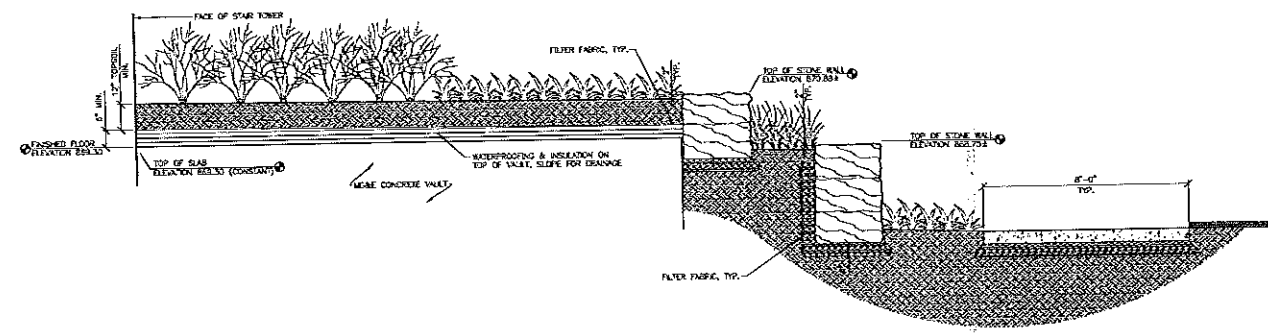


4 STAR TOWER EGRESS WALKWAY AND GAS VAULT GREEN ROOF - SECTION SCALE: 3/4"=1'-0"



5 STAR TOWER EGRESS WALKWAY - SECTION SCALE: 3/4"=1'-0"

NOTE:
ALL LANDSCAPE BOLLERS TO BE SHIPPED OR
SPILT LIMESTONE BLOCK, APPROXIMATELY 12"-18"
HIGH x 15"-24" WIDE x 24"-48" LONG.



2 GAS VAULT GREEN ROOF AND STONE WALLS - SECTION SCALE: 3/4"=1'-0"



710 SOUTH STREET
SUITE 202
MADISON, WISCONSIN 53703

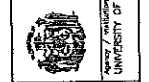
DATE: 05/11/2011

PROJECT: CHARTER STREET HEATING PLANT REBUILD

CONTRACT NO.: 09A2L

DESIGNER: JRR

STATE OF WISCONSIN
DEPARTMENT OF ADMINISTRATION
DIVISION OF STATE FACILITIES



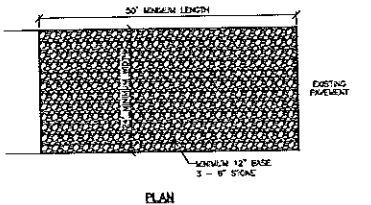
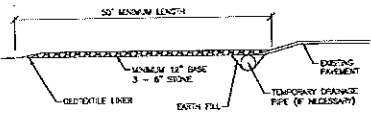
UNIVERSITY OF WISCONSIN - MADISON

PROJECT: CHARTER STREET HEATING PLANT REBUILD

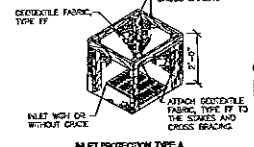
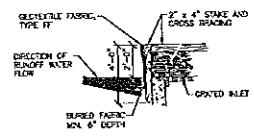
NO.	DATE	DESCRIPTION
1	05/11/11	ISSUE FOR BIDDING
2	05/11/11	ISSUE FOR CONSTRUCTION

Project Scale: 0' 1" 2" 4" 8"
 Job Number: 09A2L
 Job Type: PR
 Date Recvd: 05/11/2011
 Sheet Number: C 401



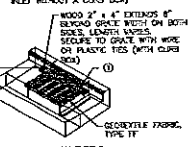
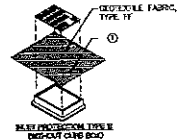


1 STONE TRACKING PAD DETAIL NOT TO SCALE



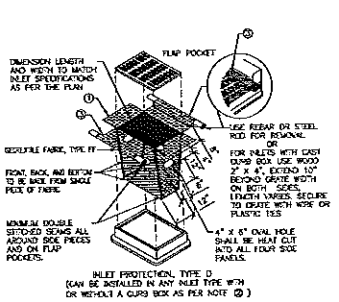
GENERAL NOTES:
 MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT AFFIDAVIT LIST MAY BE SUBSTITUTED, WHICH REMAINS ON MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

2 INLET PROTECTION DETAIL NOT TO SCALE



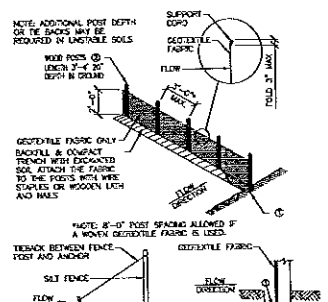
INSTALLATION NOTES:
 TYPE B & C
 TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE INSTALLED BAG SHALL HAVE A MINIMUM GSE CLEARANCE BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL PATCH THE BAG USING PLASTIC ZIP TIES TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

3 INLET PROTECTION DETAIL NOT TO SCALE



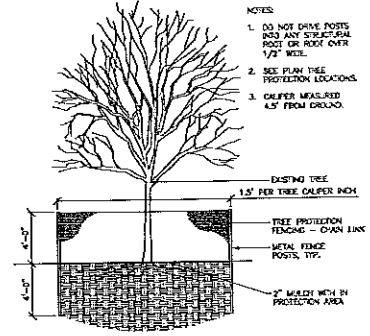
INSTALLATION NOTES:
 TYPE D
 DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE INSTALLED BAG SHALL HAVE A MINIMUM GSE CLEARANCE BETWEEN THE INLET WALLS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

4 INLET PROTECTION DETAIL NOT TO SCALE

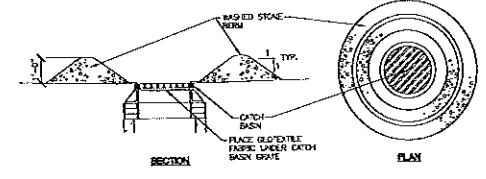


GENERAL NOTES:
 1. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE AND 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC FOLD WAYFARER TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXPOSED SOIL.
 2. WOOD POSTS SHALL BE A MINIMUM SIZE OF 2" x 4" x 30" OR HEAVIER.

5 SALT FENCE DETAIL NOT TO SCALE



6 TREE PROTECTION FENCE DETAIL NOT TO SCALE



7 STONE BERM INLET PROTECTION DETAIL NOT TO SCALE

JJR
 740 WEST STREET
 SUITE 202
 MADISON, WISCONSIN 53703

CONTACT:
 JAMES J. JACOBSON
 635 1/2 HANCOCK STREET
 MADISON, WI 53703
 608.261.1771
 608.261.6747
 www.jjr.com

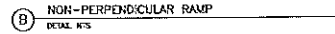
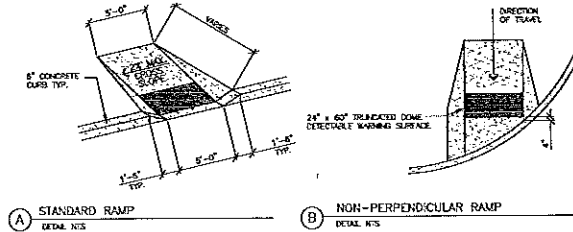
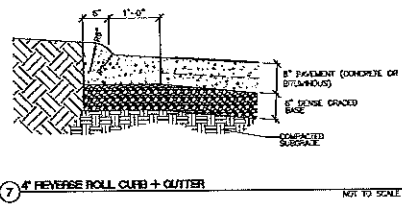
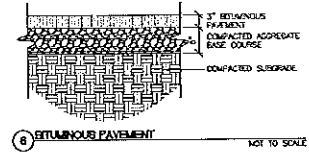
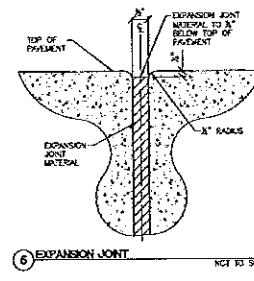
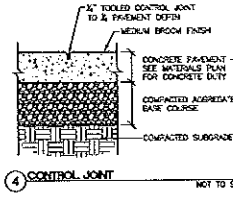
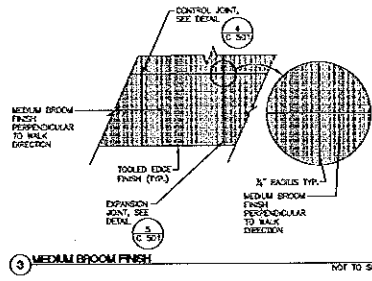
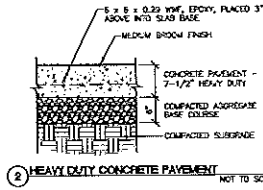
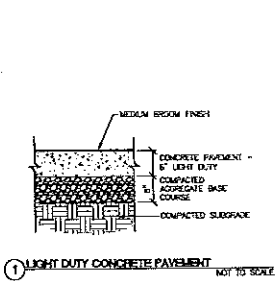
State of Wisconsin
 Department of Administration
 Division of State Facilities

Project: CHARTER STREET HEATING PLANT REBUILD
 Project Location: MADISON, WI
 Name: Title: Site Erosion Control Details

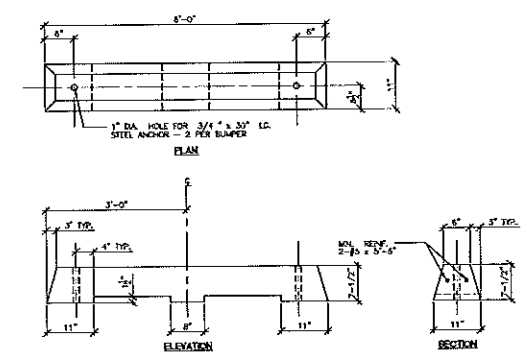
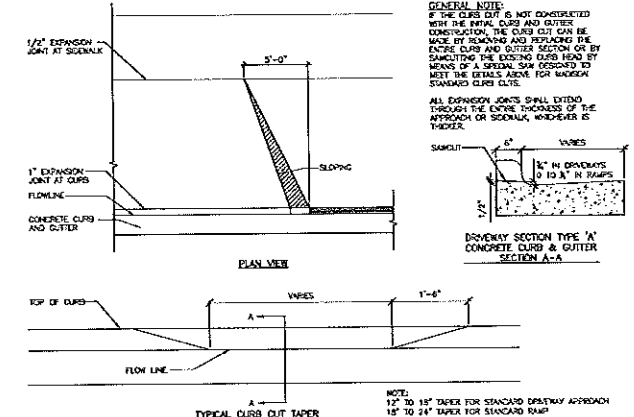
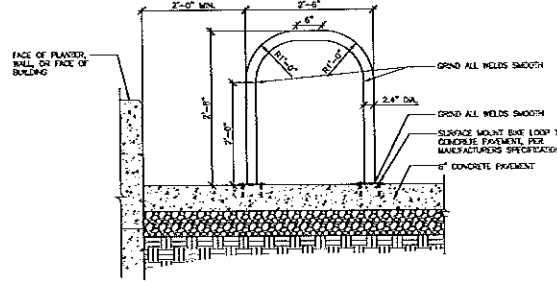
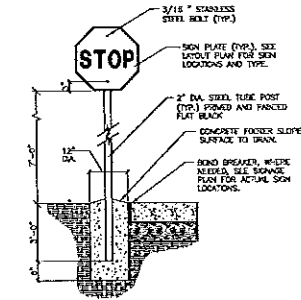
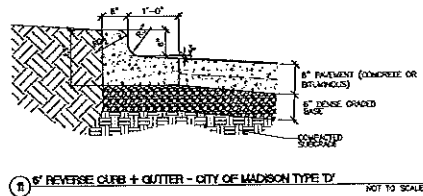
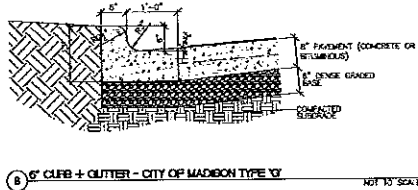
Performer	Discipline	Start Date	End Date
▲	ARCHITECT	05/11/11	05/11/11
▲	ENGINEER	05/11/11	05/11/11

Graphic Scale: 3" = 1' - 0"

DWG Number: 09A2L
 Soil Type: PR
 Date Issued: 05/11/2011
 Sheet Number: C 501



- NOTES**
1. RAMP PERPENDICULAR RAMP SHALL BE USED AT ALL TIMES, INCLUDING CASES WHERE THE OTHER RAMPS IN THE INTERSECTION ARE SLOPED. DIAGONAL, UNLESS CLEARLY INDICATED ON ANOTHER DRAWING IS SPECIFIED.
 2. RAMP RINGS SHALL BE 4\"/>



BOLEY
CHARTER STREET HEATING PLANT

NO SCALE
SHEET NO. 5015

JJR

1575 MELLANDER STREET
MADISON, WI 53703
608.251.1771
www.jjr.com

State of Wisconsin
Department of Administration
Division of State Facilities

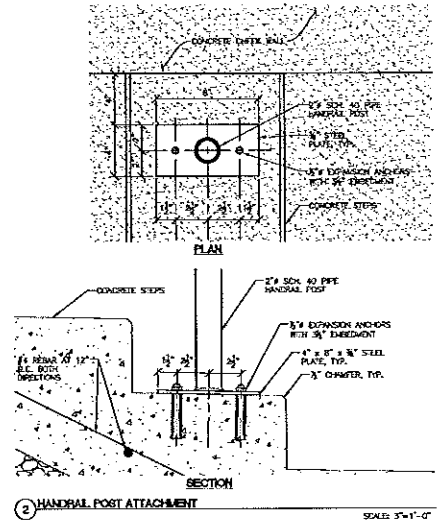
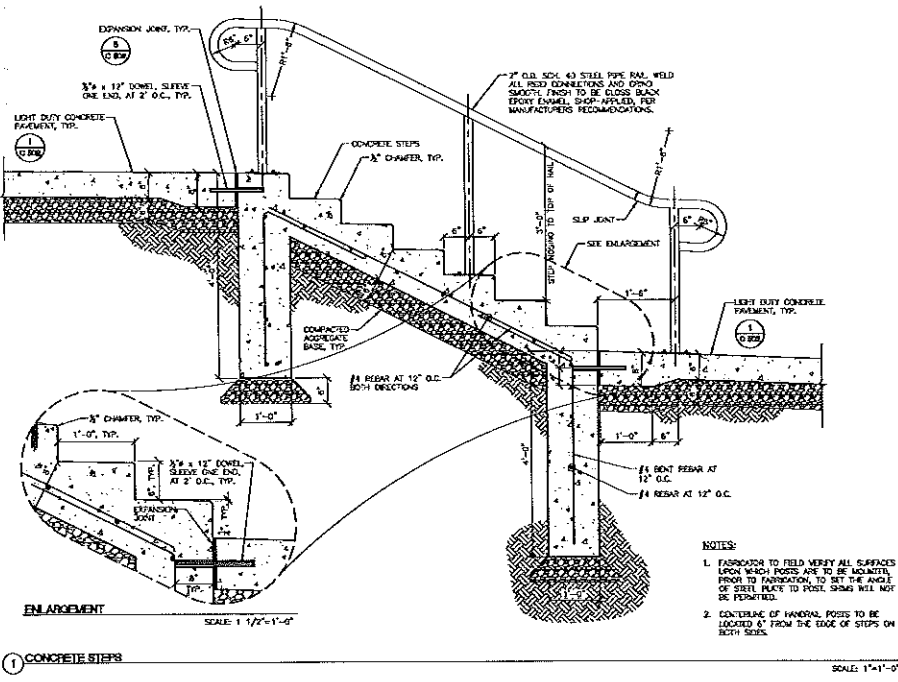
UNIVERSITY OF WISCONSIN - MADISON

CHARTER STREET HEATING PLANT REBUILD
MADISON, WI

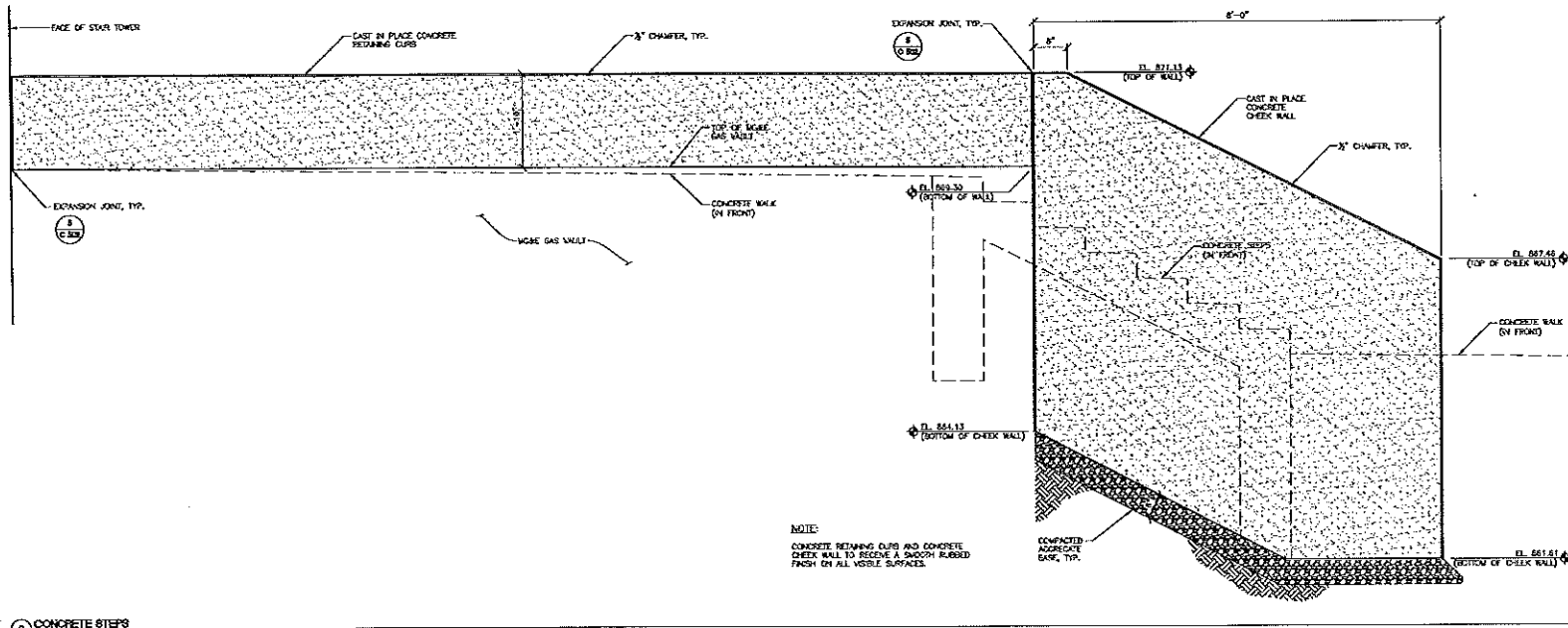
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Project No.	1420711	Design	CONCEPT SHEET
Date	05/11/11	CD	CD BY CITY ENGINEER

Graphic Scale	1" = 1'-0"
CDP No.	0942L
CD No.	FR
Date Rec'd	05/11/2011
Draw Number	C 502



NOTES:
 1. FABRICATOR TO FIELD VERIFY ALL SURFACES UPON WHICH POSTS ARE TO BE MOUNTED. PRIOR TO FABRICATION, TO SET THE ANGLE OF STEEL PLATE TO POST. SPONGE WILL NOT BE PERMITTED.
 2. CONTINGENCY OF HANDRAIL POSTS TO BE LOCATED 4\"/>



NOTE:
 CONCRETE RETAINING CURB AND CONCRETE CHEEK WALL TO RECEIVE A SMOOTH BURRED FINISH ON ALL VISIBLE SURFACES.

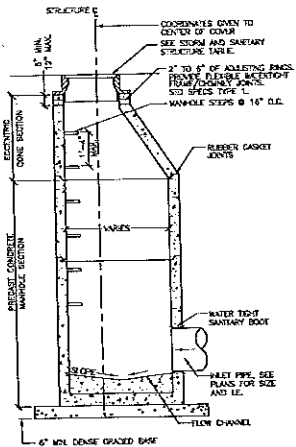
1 CONCRETE STEPS

2 HANDRAIL POST ATTACHMENT

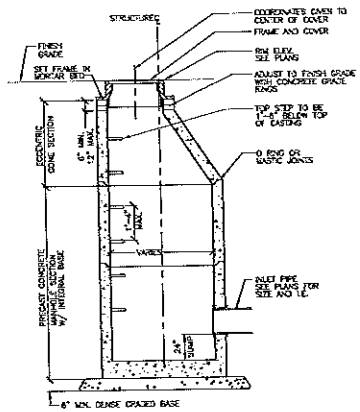
3 CONCRETE STEPS

State of Wisconsin Department of Administration Division of State Facilities		
UNIVERSITY OF WISCONSIN - MADISON		
CHARTER STREET HEATING PLANT REBUILD		
Project Location: MADISON, WI		
Sheet Title: Civil Details		
Revisions:	No.	Date Description
	A	05/11/2011 05-11-2011 REV
	B	05/11/2011 05-11-2011 REV
	C	05/11/2011 05-11-2011 REV
	D	05/11/2011 05-11-2011 REV
	E	05/11/2011 05-11-2011 REV
	F	05/11/2011 05-11-2011 REV
	G	05/11/2011 05-11-2011 REV
	H	05/11/2011 05-11-2011 REV
	I	05/11/2011 05-11-2011 REV
	J	05/11/2011 05-11-2011 REV
	K	05/11/2011 05-11-2011 REV
	L	05/11/2011 05-11-2011 REV
	M	05/11/2011 05-11-2011 REV
	N	05/11/2011 05-11-2011 REV
	O	05/11/2011 05-11-2011 REV
	P	05/11/2011 05-11-2011 REV
	Q	05/11/2011 05-11-2011 REV
	R	05/11/2011 05-11-2011 REV
	S	05/11/2011 05-11-2011 REV
	T	05/11/2011 05-11-2011 REV
	U	05/11/2011 05-11-2011 REV
	V	05/11/2011 05-11-2011 REV
	W	05/11/2011 05-11-2011 REV
	X	05/11/2011 05-11-2011 REV
	Y	05/11/2011 05-11-2011 REV
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Project Engineer	OSAZL	
Scale	PR	
Date Issued	05/11/2011	
Sheet Number	C 503	

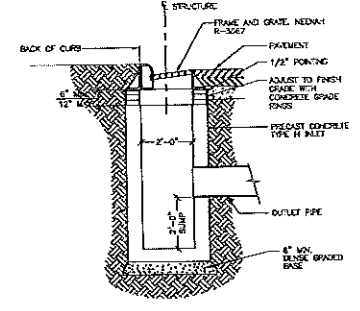




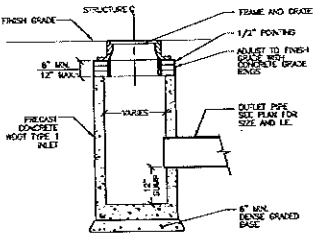
1 TYPICAL SANITARY MANHOLE - SECTION NOT TO SCALE



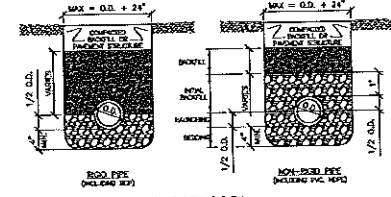
2 TYPICAL STORM MANHOLE - SECTION NOT TO SCALE



3 TYPICAL CURB INLET - SECTION NOT TO SCALE

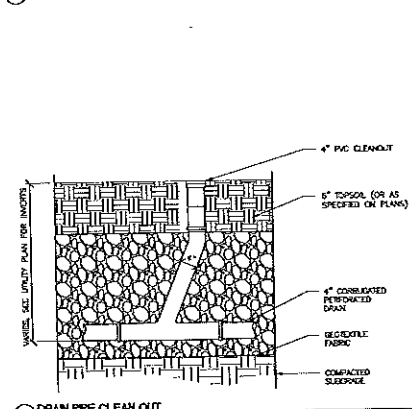


4 TYPICAL CATCH BASIN - SECTION NOT TO SCALE

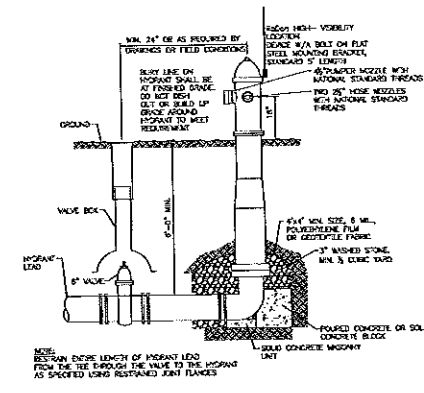


BEDDING AND METAL BACKSILL
 * UNDESIRABLE MATERIALS INCLUDING BUT NOT LIMITED TO:
 - IRON RAILS OR POINTS
 - HARD OR FROZEN LUMPS OF EARTH, PER SPECIFICATIONS, TABLE 31.23 15-13-2
 - CRUSHED STONE BEDDING
 * BEDDING SAND OR CRUSHED STONE SCREENINGS SHALL BE USED FOR DUCTILE IRON PIPE

5 TYPICAL PIPE BEDDING - SECTION NOT TO SCALE



6 DRAIN PIPE CLEAN OUT NOT TO SCALE



7 HYDRANT INSTALLATION NOT TO SCALE

WILLIAMS
140 BERRY STREET
SUITE 202
WISCONSIN, WISCONSIN 53713

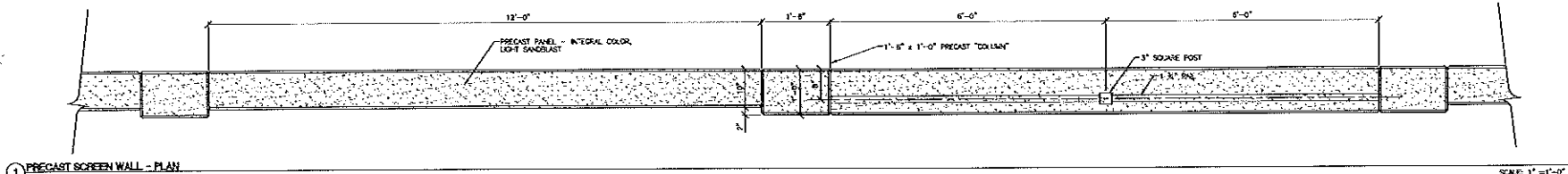
Consultant
JJR
JAMES J. RAY
678 MILLERSHIP STREET
MADISON, WISCONSIN
608.261.1177
608.261.8147
www.jjr.com

State of Wisconsin
Department of Administration
Division of State Facilities
UNIVERSITY OF WISCONSIN - MADISON

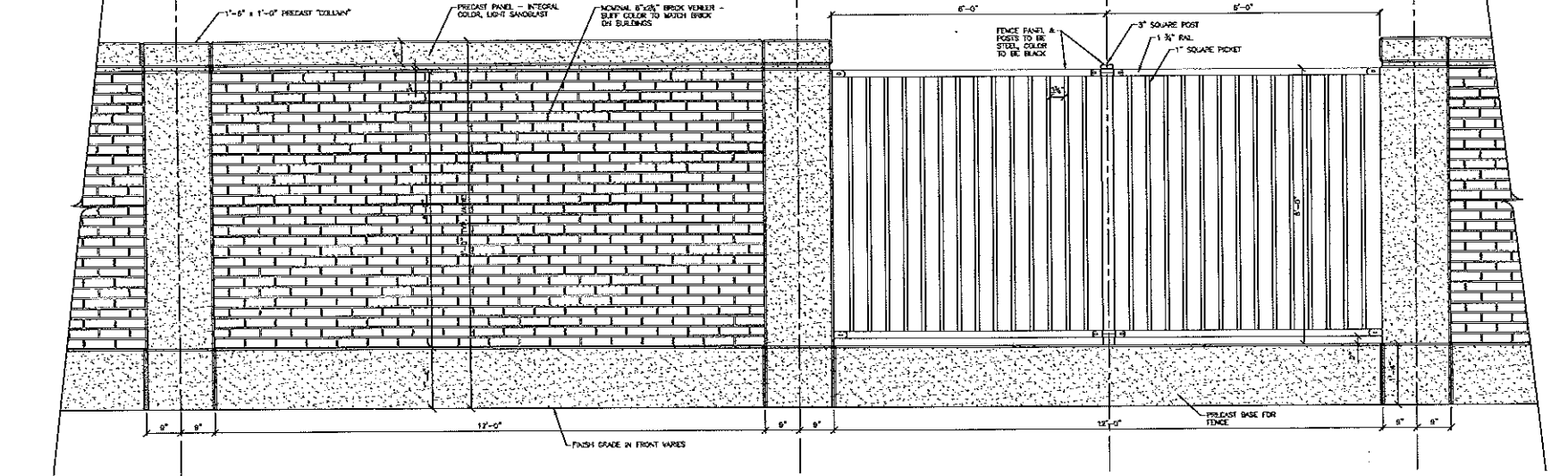
THE CHARTER STREET
HEATING PLANT REBUILD
PROJECT LOCATION
MADISON, WI
Drawn By: Site Utility Details

Revision	Date	Description
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2	05/17/11	05-59 016 0000

Graphic Scale	3" = 1' 0"
DSP Number	05A2L
Set Type	FR
Date Issued	05/11/2011
Draft Number	C 504

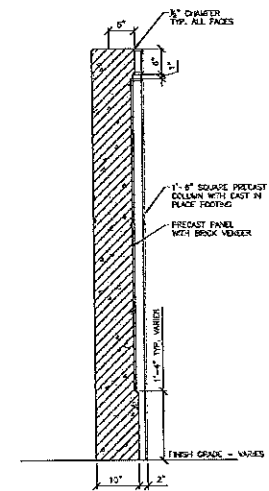


1 PRECAST SCREEN WALL - PLAN SCALE: 1" = 1'-0"

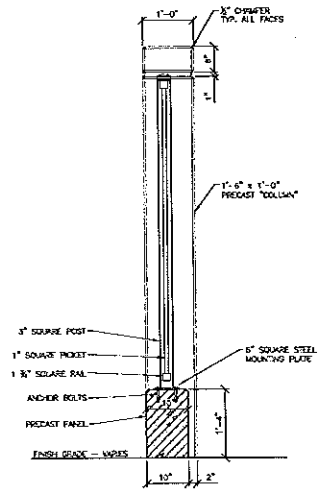


2 PRECAST SCREEN WALL/FENCE PANEL B SCALE: 1" = 1'-0"

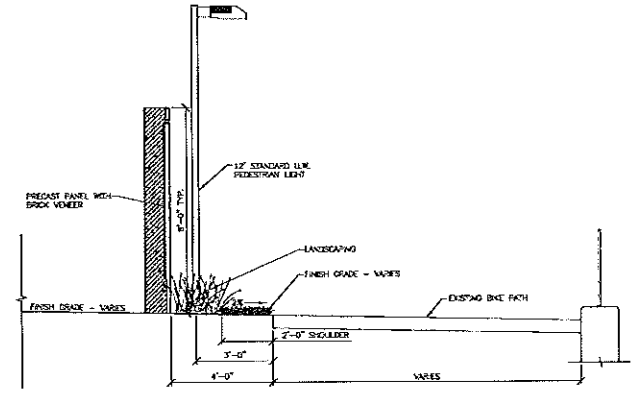
NOTE: PRECAST MANUFACTURER TO PROVIDE STRUCTURAL REQUIREMENTS FOR CONCRETE FOOTINGS AND PROVIDE ALL REINFORCING/CONNECTIONS FOR PRECAST PANELS. COORDINATE WITH FENCE MANUFACTURER.



3 PRECAST SCREEN WALL CONCRETE PANEL - SECTION SCALE: 1" = 1'-0"



4 PRECAST SCREEN WALL FENCE PANEL - SECTION SCALE: 1" = 1'-0"



6 BIKE PATH - SCREEN WALL TYPICAL SECTION SCALE: 1" = 1'-0"

WILBY
Charter Street Heating Plant
140 ROBERT STREET
MADISON, WISCONSIN 53703

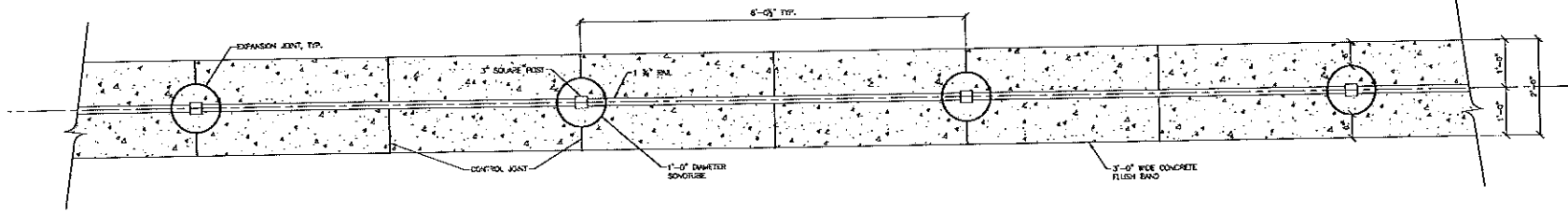
Consultant:
JJR
J&R LLC
425 W. WASHINGTON STREET
MADISON, WI 53703
608.251.8171
608.251.8172
www.jjr.com

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Department of Administration
Division of State Facilities
UNIVERSITY OF WISCONSIN - MADISON

CHARTER STREET HEATING PLANT REBUILD
Project Location: MADISON, WI
Team Title: Screen Wall Details

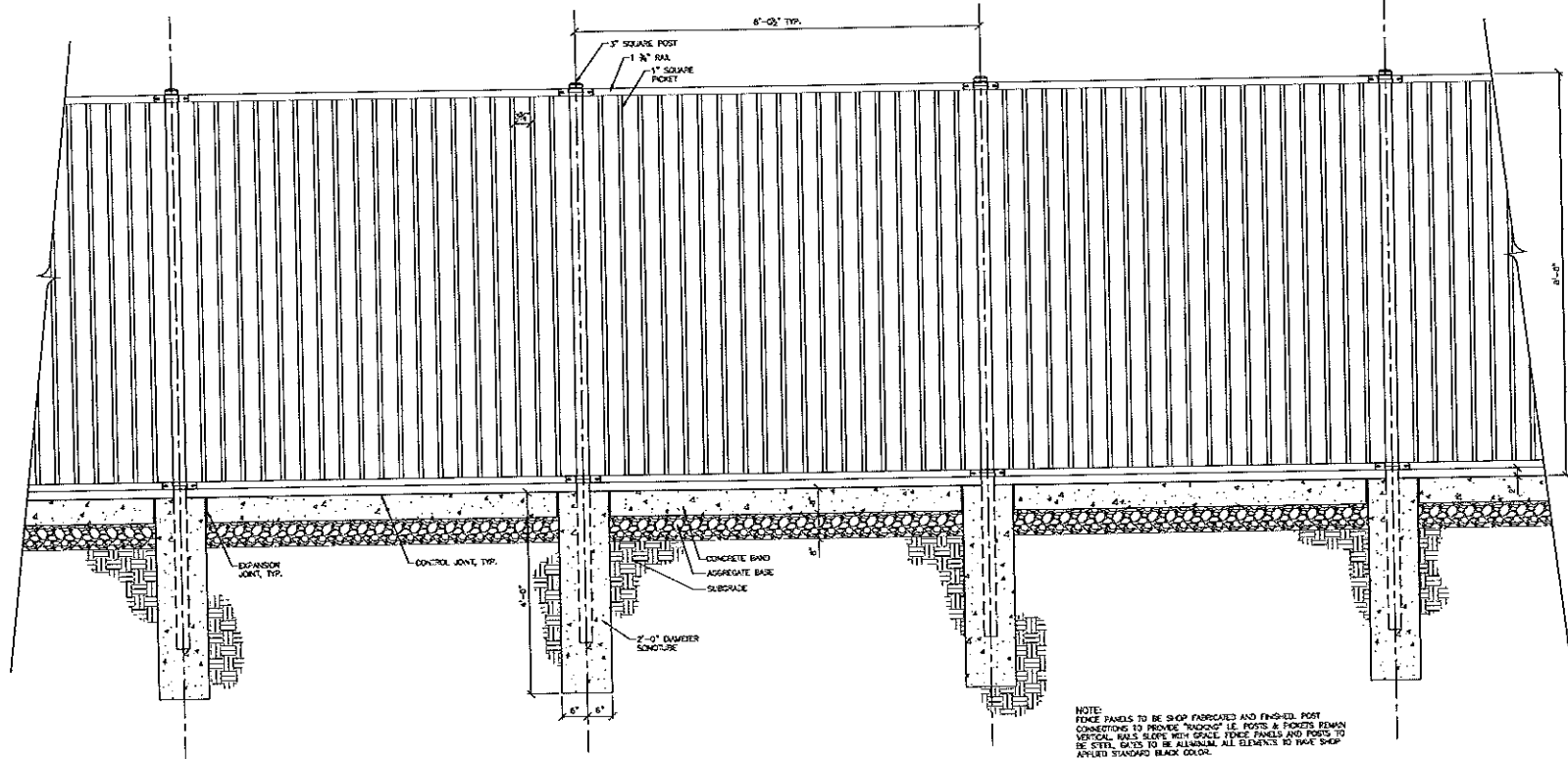
Rev.	Date	Description
1	04/27/11	ISSUE FOR PERMITS
2	05/11/11	FOR SET ON BIDDING

Graphic Scale: 1" = 1'-0"
Sheet Number: 05A2L
Set Type: FR
Date Issued: 05/11/2011
Sheet Number: C 505



1 STEEL SITE FENCE - PLAN

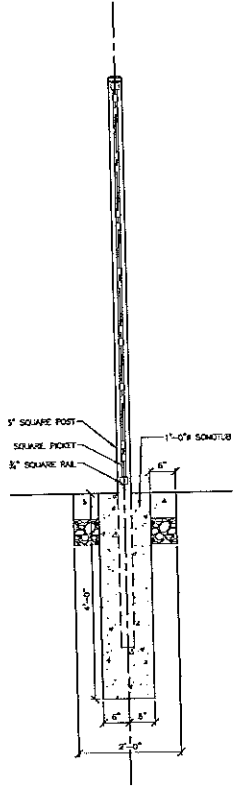
SCALE: 1" = 1'-0"



NOTE:
FENCE PANELS TO BE SHOP FABRICATED AND FINISHED. POST CONNECTIONS TO PROVIDE "ROUND" I.E. POSTS & PICKETS REMAIN VERTICAL. WALLS SLIPPER WITH GRADE. FENCE PANELS AND PICKETS TO BE STEEL. GATES TO BE ALUMINUM. ALL ELEMENTS TO HAVE SHOP APPLIED STANDARD BLACK COLOR.

3 STEEL SITE FENCE - ELEVATION

SCALE: 1" = 1'-0"



2 STEEL SITE FENCE - SECTION

SCALE: 1" = 1'-0"

BOLDT *enr*
Charter Street Heating Plant
710 REGAN STREET
SUITE 301
MADISON, WISCONSIN 53715

JJR INC.
346 LLC
629 MILLWAUKEE STREET
MADISON, WI 53715
608 251.1171
608 251.4476
www.jjr.com

State of Wisconsin
Department of Administration
Division of State Facilities

University of Wisconsin - Madison

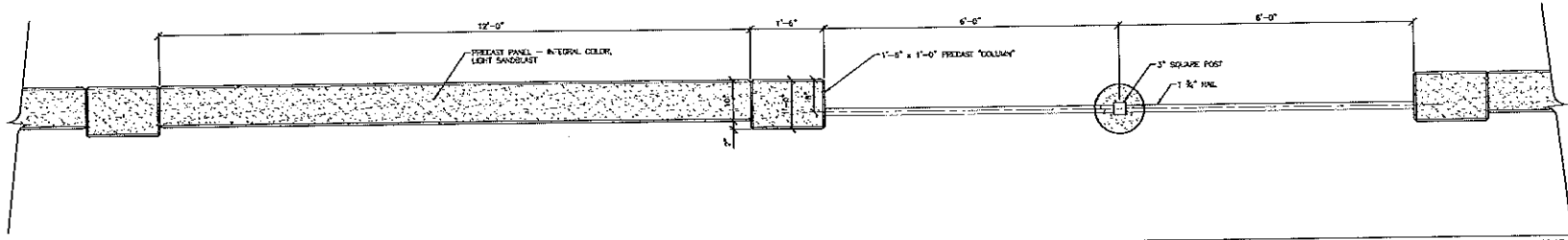
CHARTER STREET
HEATING PLANT REBUILD

Project Location
MADISON, WI

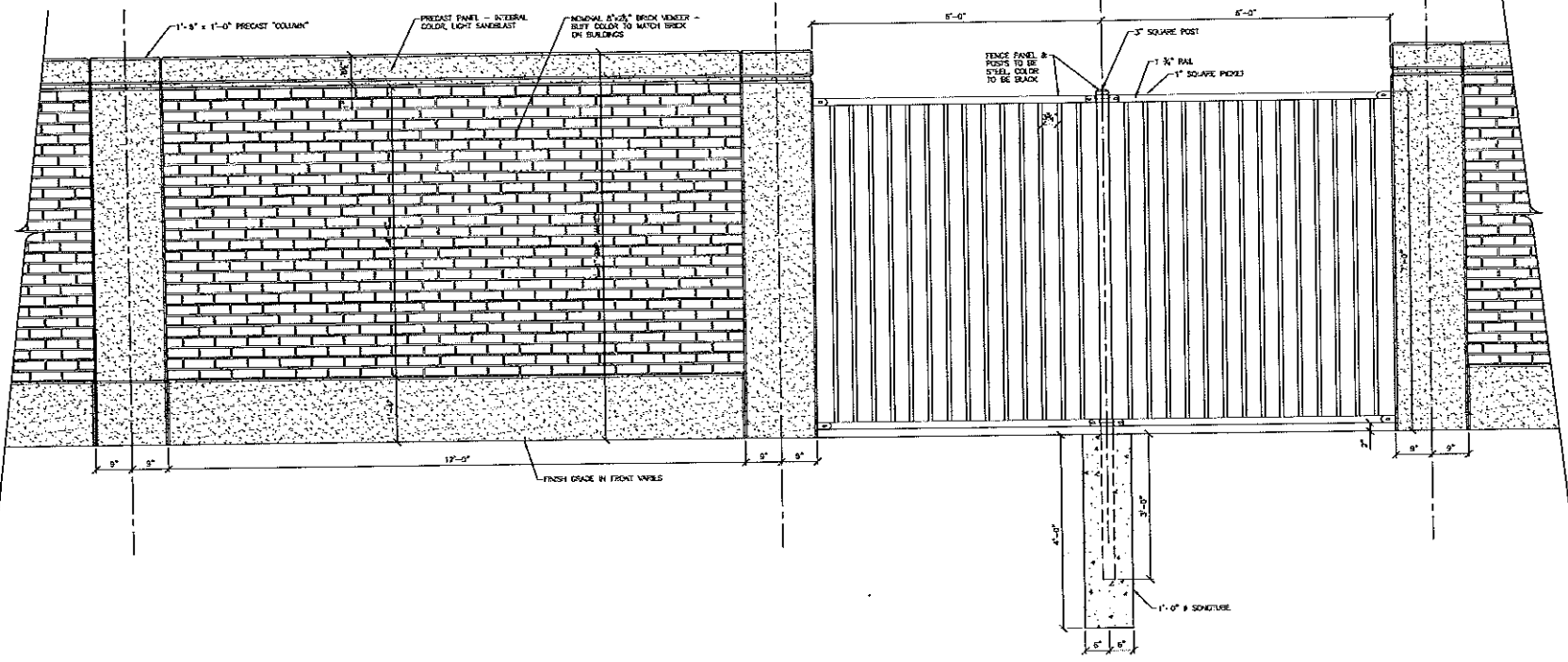
Contract No.
Site Fence Details

No.	Date	Description
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2	05/11/11	EXP-03 EXP. GATE BARBERS

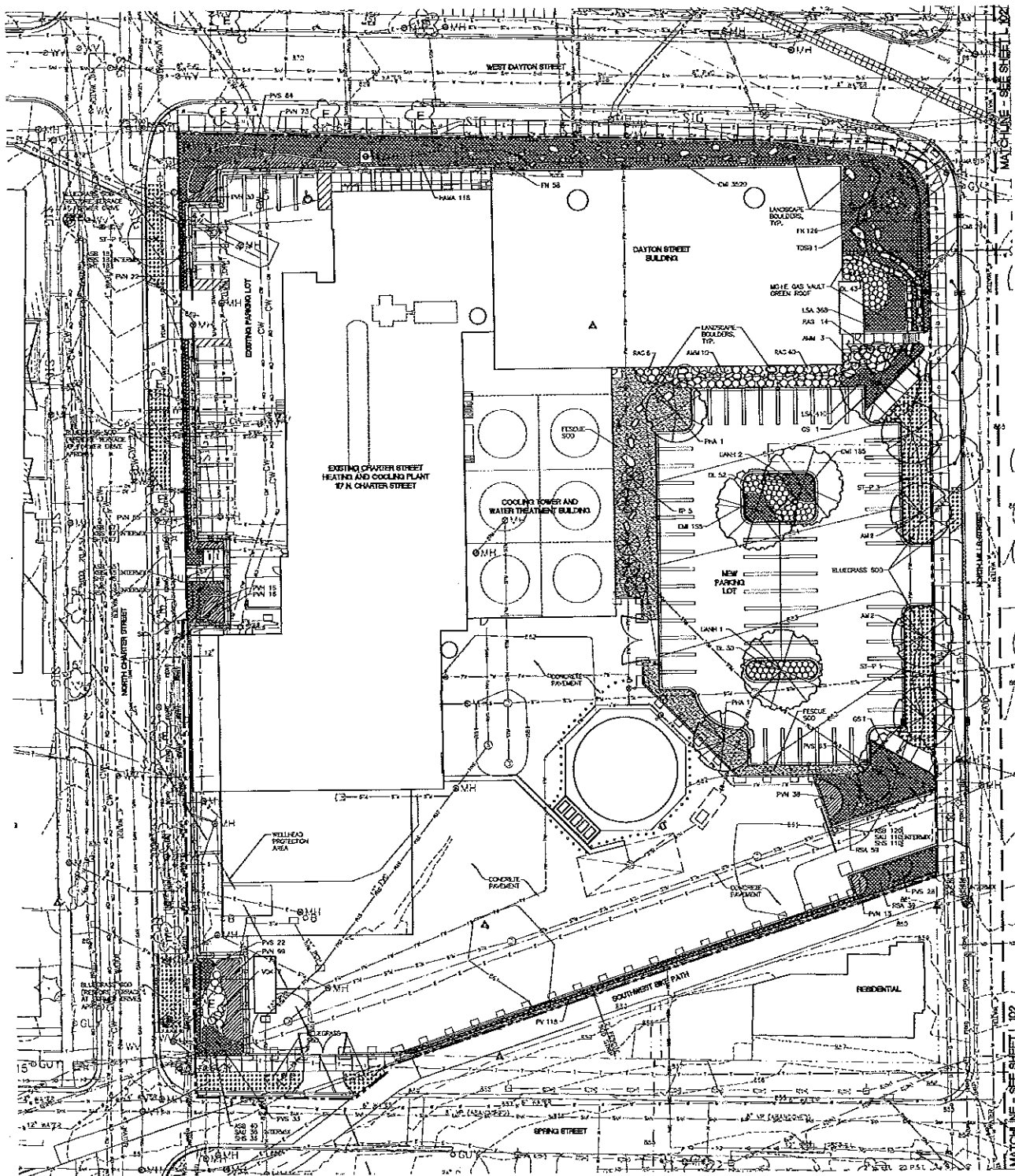
Graphic Scale:	1" = 1'-0"
JOB NUMBER:	09A2L
JOB TYPE:	PR
Date Revised:	05/11/2011
Sheet Number:	C 506



1 PRECAST SCREEN WALL/FENCE PANEL A - PLAN SCALE: 1" = 1'-0"



2 PRECAST SCREEN WALL/FENCE PANEL A SCALE: 1" = 1'-0"



- LEGEND:**
- PROJECT LIMITS
 - ROOT OF WAY
 - EASEMENT
 - MEDICIOUS TREE
 - STREET TREE (SEE NOTE 6)
 - EXISTING TREE TO REMAIN
 - DECIDUOUS SHRUB
 - PERENNIALS
 - FESCUE 500
 - BLUEGRASS 500
 - BED EDGE
 - UTILITY STRUCTURE / MANHOLE

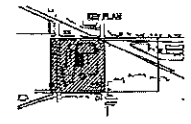
- NOTES:**
- CONTRACTOR SHALL CONTACT DODGE'S HOTLINE AND APPROPRIATE UTILITY COMPANIES TO FIELD VERIFY UTILITIES PRIOR TO ANY CONSTRUCTION.
 - SEE EXISTING CONDITIONS PLAN V 101 FOR LEGEND OF EXISTING FEATURES AND PROJECT CONTROL BENCHMARKS AND CONTROL MONUMENTS.
 - SEE SITE LAYOUT SHEETS C 153 - C 154 FOR LAYOUT AND MATERIALS INFORMATION.
 - SEE SITE GRADING SHEETS C 105 - C 106 FOR GRADING INFORMATION.
 - SEE SHEET L 501 FOR SITE LANDSCAPE PLANT LIST AND PLANTING DETAILS.
 - STREET TREES IN THE PUBLIC RIGHT OF WAY WILL BE COORDINATED WITH CITY FORESTRY AND ISSUED ON PUBLIC WORKS ORDERS. CONTACT DEAN KANE WITH CITY FORESTRY AT 608-268-4851.
 - ALL WORK IN THE PUBLIC RIGHT OF WAY TO BE PERFORMED BY THE CITY LICENSED CONTRACTORS.
 - FINAL RESTORATION OF PUBLIC RIGHT OF WAY SHALL BE APPROVED SEPARATELY BY THE BOARD OF PUBLIC WORKS AND SHALL BE ISSUED ON CITY OF MADISON PLANS, SHOWN FOR REFERENCE ONLY.
 - TYPICAL DEPTH SHALL BE 3'-0" IN ALL PLANTING BEDS EXCEPT WHERE LIMITED BY DEPTH OF UNDERGROUND UTILITIES.

LANDSCAPE REQUIREMENT CHART

NUMBER OF PLANTS REQUIRED
 The number of plants required is determined on a basis of the square foot of planting area. The number of plants required is based on the square foot of the site and the number of plants required per square foot. The number of plants required is based on the square foot of the site and the number of plants required per square foot. The number of plants required is based on the square foot of the site and the number of plants required per square foot.

NUMBER OF PLANTS REQUIRED	PERENNIALS	FESCUE 500	BLUEGRASS 500
100	0	0	0
200	0	0	0
300	0	0	0
400	0	0	0
500	0	0	0
600	0	0	0
700	0	0	0
800	0	0	0
900	0	0	0
1000	0	0	0
1100	0	0	0
1200	0	0	0
1300	0	0	0
1400	0	0	0
1500	0	0	0
1600	0	0	0
1700	0	0	0
1800	0	0	0
1900	0	0	0
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2300	0	0	0
2400	0	0	0
2500	0	0	0
2600	0	0	0
2700	0	0	0
2800	0	0	0
2900	0	0	0
3000	0	0	0
3100	0	0	0
3200	0	0	0
3300	0	0	0
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3700	0	0	0
3800	0	0	0
3900	0	0	0
4000	0	0	0
4100	0	0	0
4200	0	0	0
4300	0	0	0
4400	0	0	0
4500	0	0	0
4600	0	0	0
4700	0	0	0
4800	0	0	0
4900	0	0	0
5000	0	0	0

NOTE: LANDSCAPE REQUIREMENTS ARE FOR NEW PARKING LOT ONLY. NO ON-SITE EXTERIOR STORAGE AREAS ARE PROPOSED.



JJR
 ENGINEERING & CONSTRUCTION, INC.
 710 NORTH WISCONSIN STREET
 MADISON, WI 53713
 608.261.1177
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State of Wisconsin
 Department of Administration
 Division of State Facilities
 UNIVERSITY OF WISCONSIN - MADISON
 Project: CHARTER STREET HEATING PLANT REBUILD
 Location: MADISON, WI
 Street: CHARTER STREET
 Site: Landscape Plan

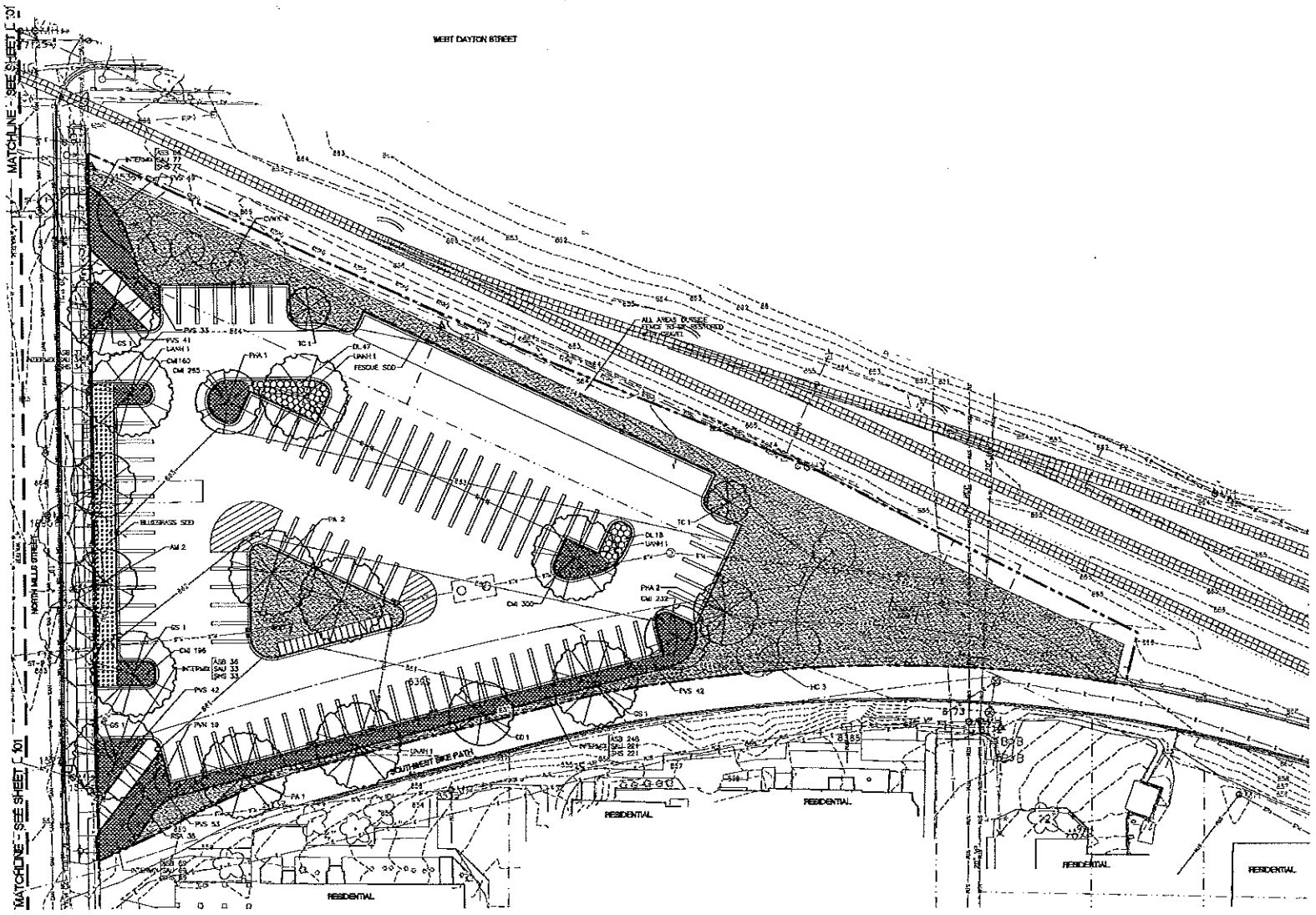
CHARTER STREET HEATING PLANT REBUILD

Project Location: MADISON, WI
 Street: CHARTER STREET
 Site: Landscape Plan

Revisions	By	Date	Description
1	MM	05/11/2011	ISSUE FOR BIDDING
2	MM	05/11/2011	ISSUE FOR CITY REVIEW



Project Number: OS42L
 Scale: PR
 Date Issued: 05/11/2011
 Sheet Number: L 101



1 CHARTER STREET HEATING PLANT LANDSCAPE PLAN - EAST

SCALE: 1" = 20'-0"

LEGEND:

- PROJECT LIMITS
- RIGHT OF WAY
- EASEMENT
- DECIDUOUS TREE
- STREET TREE (SEE NOTE 4)
- EXISTING TREE TO REMAIN
- DECIDUOUS SHRUB
- PERENNIALS
- FESCUE SOD
- BLUEGRASS SOD
- BED EDGE
- UTILITY STRUCTURE / MANHOLE

NOTES:

1. CONTRACTOR SHALL CONTACT DESIGNER, UTILITY AND APPROPRIATE UTILITY COMPANIES TO FIELD VERIFY UTILITIES PRIOR TO ANY CONSTRUCTION.
2. SEE EXISTING CONDITIONS PLAN W 151 FOR LEGEND OF EXISTING FEATURES AND PROPOSED CONTROL BENCHMARKS AND CONTROL MONUMENTS.
3. SEE SITE LAYOUT SHEETS C 103 - C 104 FOR LOTSET AND MAINTENANCE INFORMATION.
4. SEE SITE GRADING SHEETS C 106 - C 108 FOR GRADING INFORMATION.
5. SEE SHEET L 501 FOR SITE LANDSCAPE PLANT LIST AND PLANTING DETAILS.
6. STREET TREES IN THE PUBLIC RIGHT OF WAY WILL BE COORDINATED WITH CITY FORESTRY AND ISSUED ON PUBLIC WORKS DRAWINGS. CONTACT DEAN PAUL, WISCONSIN CITY FORESTRY AT 608-262-4851.
7. ALL WORK IN THE PUBLIC RIGHT OF WAY TO BE PERFORMED BY THE CITY LICENSED CONTRACTORS.
8. FINAL RESTORATION OF PUBLIC RIGHT OF WAY SHALL BE APPROVED SEPARATELY BY THE BOARD OF PUBLIC WORKS AND SHALL BE ISSUED ON CITY OF MADISON PLANS, SHOWN FOR REFERENCE ONLY.
9. TYPICAL DEPTH SHALL BE 3'-0" IN ALL PLANTING AREAS EXCEPT WHERE LIMITED BY DEPTH OF UNDERGROUND UTILITIES.

LANDSCAPE REQUIREMENT CHART

TABLE OF PLANTING REQUIREMENTS

Minimum number of plants for all projects. Minimum number of plants for all projects. Minimum number of plants for all projects.

PLANT	MINIMUM	MINIMUM	MINIMUM	MINIMUM	MINIMUM
Deciduous Tree	1	1	1	1	1
Deciduous Shrub	1	1	1	1	1
Perennial	1	1	1	1	1
Fescue Sod	1	1	1	1	1
Bluegrass Sod	1	1	1	1	1
Bed Edge	1	1	1	1	1
Utility Structure / Manhole	1	1	1	1	1

NOTE: NO ON-SITE EXTERIOR STORAGE AREAS ARE PROPOSED.

Wisconsin
742 HENRY STREET
MADISON, WISCONSIN 53703

Charter Street Heating Plant
JJR

JJR LLC
470 MILLERSON STREET
MADISON, WI 53703
608.261.1071
608.261.1040 F
www.jjr.com

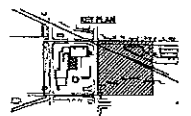
State of Wisconsin
Department of Administration
Division of State Facilities

UNIVERSITY OF WISCONSIN - MADISON

CHARTER STREET
HEATING PLANT REBUILD
MADISON, WI

Drawn Title: Site Landscape Plan

Project No.	05/11/2011
Scale	0" = 12' 0"
Sheet Number	05A2L
Set Type	FR
Date Issued	05/11/2011
Sheet Number	L 102

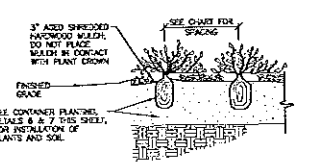


Plant List						
Key	Scientific Name	Common Name	Quantity Total	Condition	Size	Comments
Shade Trees						
AM	Acer glabrum "Silver Swan"	White Swallow Maple	6	B&B	3"	
CE	Castanea Indiana var. 'Savanna Skyline'	Shingle Honeylocust	6	B&B	2 1/2"	
GO	Syringia oblata "Purple Heart"	Princess Tree Kentucky Coffeetree	1	B&B	2"	
PA	Prinosyris plumosa 'Nimbus'	Seaside Snow Dogwood	5	B&B	2"	
PA	Prinosyris s. 'Mistral Breeze'	Seaside Snow Dogwood	5	B&B	2 1/2"	
IC	Thuja occidentalis 'Green Spires'	Emerald Green	2	B&B	2"	
LEAF	Thuja occidentalis 'New Harmony'	New Harmony American Dogwood	7	B&B	2 1/2"	
Ornamental Trees						
CYPR	Colobrya vicia 'Water King'	Water King Green Japanese Cedar	4	B&B	2"	
IC	Thuja occidentalis	Green Spires	5	B&B	2"	
Container Trees						
TP	Podocarpus nivalis "Shoreline Trees"	Shoreline Trees Bald Cypress	1	B&B	3"	
TP	Thuja glauca a standard "Green Co-F"	Green Co-F Western Red Cedar	5	B&B	5' Height	
Deciduous Shrubs						
AM	Amelanchier canadensis	Shoebush and Shadbush	18	B&B	30"	4'-0" O.C.
SA	Saxifraga oppositifolia	Lowland Saxifrage	150	Cont.	#3	3'-0" O.C.
SAG	Saxifraga oppositifolia	Lowland Saxifrage	60	Cont.	#3	4'-0" O.C.
VOK	Viburnum dentatum "NU variegatum"	White-Jack Arrowwood Viburnum	7	B&B	24"	4'-0" O.C.
Perennials, Vines & Ornamental Grasses						
APF	Asplenium platyneuron "Purple Gemmae"	Purple Gemmae Fern	750	Cont.	8.5"	Variegata variegata, 2 bushels, Fall Install
ASB	Asplenium platyneuron "Summer Beauty"	Summer Beauty Fern	304	Cont.	8.5"	12" O.C., Group irregular masses in bed
DN	Dasylirion divaricatum "Sea Casual"	Seaside Grass Sage	5557	Cont.	2.5"	12" O.C., Foli. of 32
FN	Fargesia nitida	Blue Fountain Bamboo	124	Cont.	#1	24" O.C., New plantations stock
PAKA	Panicum polyanthemum "All Gold"	Showercap Annual Grass	755	Cont.	#1	12" O.C., Group irregular masses in bed
SB	Scilla maritima "White Star"	Sea Star Scilla	130	Cont.	#1	12" O.C.
LSA	Luzula sylvatica	Creeching Lytch	778	Cont.	#1	12" O.C.
PV	Perfumum virginicum	Native Grass Swallowtail	115	Cont.	#3/4	24" O.C.
PV11	Perfumum virginicum "Heavy Metal"	Heavy Metal Swallowtail	46	Cont.	#1	24" O.C.
PV2	Perfumum virginicum "Northern"	Northern Swallowtail	249	Cont.	#1	24" O.C.
PV3	Perfumum virginicum "Savannah"	Savannah Swallowtail	303	Cont.	#1	24" O.C.
RSA	Rudbeckia hirta "Heavy Metal"	Heavy Metal Coneflower	144	Cont.	#3/4	24" O.C.
SAJ	Saxifraga oppositifolia	Lowland Saxifrage	841	Cont.	#1	18" O.C.
SOG	Saxifraga oppositifolia	Lowland Saxifrage	821	Cont.	#1	12" O.C.
SUT	Saxifraga oppositifolia "Gold"	Gold Saxifrage	930	Cont.	#1	12" O.C., Group irregular masses in bed
Shrub Tree						
ST-F	To be Determined by City of Madison Department of Forestry		0			

NOTES:

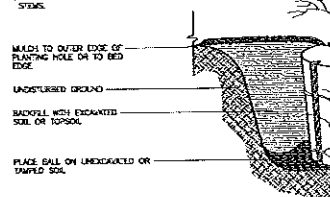
1. PLANT EACH TREE SUCH THAT THE TRUNK PLANE IS VISIBLE AT THE TOP OF THE ROOT BALL. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.
2. IF PLANT IS SHIPPED WITH A WIRE BASKET AROUND THE ROOT BALL, CUT THE WIRE BASKET AND REMOVE COMPLETELY FROM ROOT BALL. REMOVE TRUNK BARS AND BASKET ENTIRELY FROM ROOT BALL.
3. DO NOT PLACE MULCH IN CONTACT WITH TRUNK.
4. PRUNE PER IDEAL

1. DECIDUOUS TREE PLANTING DETAIL NOT TO SCALE

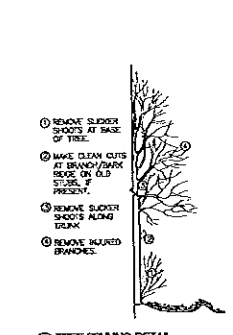


4. PERENNIAL PLANTING DETAIL NOT TO SCALE

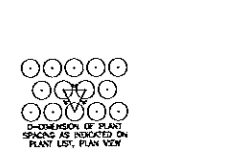
1. FOR 3 TO 12 GALLON CONTAINERS MAKE 1" - 2" DEEP VERTICAL CUTS EVERY 4" AROUND THE CIRCUMFERENCE OF THE ROOT BALL BEFORE PLANTING.
2. PLANT EACH PLANT SUCH THAT THE STEM PLANE IS VISIBLE AT THE TOP OF THE ROOT BALL. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.
3. PLANTING HOLE MUST BE NO DEEPER THAN THE HEIGHT OF THE ROOT BALL.
4. DO NOT PLACE MULCH IN CONTACT WITH STEMS.



6. LARGE CONTAINER PLANTING DETAIL NOT TO SCALE

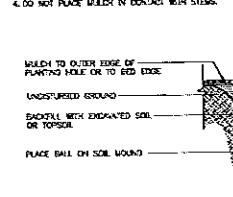


2. TREE PRUNING DETAIL NOT TO SCALE



5. PLANT SPACING DETAIL NOT TO SCALE

1. FOR 1 TO 3 GALLON CONTAINERS BUTTERFLY ROOT BALL, SEVER LOWER 1/3 OF ROOT BALL WITH A SINGLE CUT. SPREAD OPEN COVERED ROOT BALL AND PLACE AGAINST BOTTOM OF THE UNDISTURBED PLANTING HOLE.
2. PLANT EACH PLANT SUCH THAT THE STEM PLANE IS VISIBLE AT THE TOP OF THE ROOT BALL. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.
3. PLANTING HOLE MUST BE NO DEEPER THAN THE HEIGHT OF THE ROOT BALL.
4. DO NOT PLACE MULCH IN CONTACT WITH STEMS.



7. SMALL CONTAINER PLANTING DETAIL NOT TO SCALE

BOLDT architect
 Charter Street Heating Plant
 740 BECKET STREET
 SUITE 202
 MADISON, WISCONSIN 53703

Consultant
JJR
 JAMES J. RYAN
 601 W. PARKER STREET
 MADISON, WISCONSIN 53703
 608.261.1711
 608.261.1712
 608.261.1713

Project
CHARTER STREET HEATING PLANT REBUILD

Client
 State of Wisconsin
 Department of Administration
 Division of State Facilities

Location
 UNIVERSITY OF WISCONSIN - MADISON

Drawn
 J. RYAN

Scale
 AS SHOWN

Graphic Scale

NSF Number
 09A2L

NSF Type
 PR

Date Issued
 05/11/2011

Sheet Number
L 501

'MBOLS

	ROUGH LAYER		PROTECTION LINE		DOOR MARK
	FINISH LAYER		CENTER LINE		REVISION MARK
	STRUCTURAL STEEL (SCALE SECTION)		NON CONTOURS		PLAN NOTE
	BRICK PLAN & SECTION		EXISTING CONTOURS		ELEVATION MARK DRAWING NUMBER
	CONCRETE MASONRY UNIT PLAN & SECTION		ELEVATION (NEW)		ELEVATION MARK DRAWING NUMBER
	FINISHED IN PLACE CONG.		ROOM PLAN & SECTION		FACES ON TYPE
	MASONRY BRICKWORK		ROOM SECTION MARK DRAWING NUMBER		WINDOW MARK
	MASONRY BLOCKWORK		SECTION MARK DRAWING NUMBER		DEMOLITION MARK
	MASONRY STONE WORK		DETAIL MARK DRAWING NUMBER		NORTH ARROW
	ROOF INSULATION		ROOM NUMBER, ROOM NAME, ROOM CAPACITY		

ABBREVIATIONS

AGE	ADAGE FINISH FLOOR	DL	DEAD LOAD	HOOR	HOOR	NATURAL	NON APPLICABLE	SANS	SAFETY SHEET
ADMS	ADJUSTABLE MECHANICAL SCREEN	DLSH	DOUBLE	HD	HIGH DENSITY POLYETHYLENE	NATURAL GAS	NO	SB	SOBOUT
ADT	ADJUSTABLE TILT	DM	DRAWING	HOUL	HOUSE	NEURAL GASE	NOU	SBCT	SUBJECT
AIS	AIR CONDITIONING	DNP	DRAINAGE	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
AISD	AIR CONDENSING	DY	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
ALUM OAL	ALUMINUM	DR	DRIVE	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
ALT	ALTER	DRL	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
ANCH	ANCHOR	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
ANOR	ANCHOR	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
APPHR	APPROXIMATE	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
APR	APPROXIMATE	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
AS	ASBESTOS	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
AT	ATLANTIC	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
ATM	ATMOSPHERE	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
AV	AVIATION	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BA	BATH	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BAR	BAR	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BAS	BASIN	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BED	BED ROOM	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BEL	BELLEVUE	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BEN	BENCH	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BER	BERRY	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BES	BEST	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BEV	BEVERAGE	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BFG	BIRMINGHAM	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BHL	BELLEVUE	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BIB	BIBBING	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BIT	BITUMEN	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BK	BLOCK	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BKF	BLOCK FINISH	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BKD	BLOCK DRILL	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BKE	BLOCK EXHAUST	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BKF	BLOCK FINISH	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BKJ	BLOCK JOINT	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BKD	BLOCK DRILL	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BKE	BLOCK EXHAUST	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BKF	BLOCK FINISH	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
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BKF	BLOCK FINISH	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
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BKD	BLOCK DRILL	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
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BKF	BLOCK FINISH	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
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BKD	BLOCK DRILL	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
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BKJ	BLOCK JOINT	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BKD	BLOCK DRILL	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BKE	BLOCK EXHAUST	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BKF	BLOCK FINISH	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT
BKJ	BLOCK JOINT	DRM	DOOR	HPT	HIGH POINT	NOU	NOU	SBCT	SUBJECT

BUILDING INFORMATION

BUILDING ORIGIN INFORMATION TO BE USED FOR RECORDS & FOUNDATIONS

OWNER: CHARTER STREET REBUILDING PROJECT
 ADDRESS: 123 MAIN STREET, MADISON, WISCONSIN 53703

DATE: 10/25/2024
 DRAWN BY: [NAME]
 CHECKED BY: [NAME]

DESCRIPTION: REBUILDING OF EXISTING 123 MAIN STREET, MADISON, WISCONSIN. PROJECT INCLUDES DEMOLITION AND RECONSTRUCTION OF EXISTING STRUCTURE TO MEET CURRENT CODE REQUIREMENTS AND IMPROVE ENERGY EFFICIENCY.

ADA NOTES


1. THESE DOCUMENTS WERE PREPARED BY THE ARCHITECT UNDER CONTRACT TO THE OWNER FOR THE PROJECT DESCRIBED ABOVE. THE ARCHITECT'S LIABILITY IS LIMITED TO THE OBLIGATIONS EXPRESSED IN THIS CONTRACT AND SHALL BE LIMITED TO THE OBLIGATIONS EXPRESSED IN THIS CONTRACT.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES AND FOR OBTAINING THE SERVICES OF ALL NECESSARY PROFESSIONAL ENGINEERS AND ARCHITECTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES AND FOR OBTAINING THE SERVICES OF ALL NECESSARY PROFESSIONAL ENGINEERS AND ARCHITECTS.

EXISTING ON-SITE STREET BLOCKING: SEE SET OF RECORDS FOR DETAILS.

CAD/REV: [NAME]

DATE: 10/25/2024

- General Note:**
1. The work shall be performed in accordance with the International Building Code (IBC) as amended and approved by the Wisconsin Department of Transportation. The IBC (2021) shall apply to all building construction.
 2. The work shall be performed in accordance with the Wisconsin Department of Transportation (DOT) standards and specifications for all DOT projects.
 3. The work shall be performed in accordance with the Wisconsin Department of Transportation (DOT) standards and specifications for all DOT projects.



UNIVERSITY OF WISCONSIN - MADISON

State of Wisconsin
 Department of Administration
 Division of State Facilities

PROJECT: CHARTER STREET REBUILDING PLANT REBUILD

PROJECT NUMBER: [NUMBER]

DATE: 10/25/2024

DRAWN BY: [NAME]

CHECKED BY: [NAME]

NO.	REV.	DESCRIPTION
A	02/25/20	ISSUE FOR BIDS
B	12/15/23	ISSUE FOR BIDS
C	08/11/24	ADD TO BIDS
D	08/11/24	REVISIONS
E	10/25/24	REV. OF BIDS
F	10/25/24	ADD TO BIDS

Drawn By: [NAME]

Scale: [SCALE]

Sheet No: 0342L

Sheet Title: FR

Scale: S1111

Sheet No: A001

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WORK SAFELY



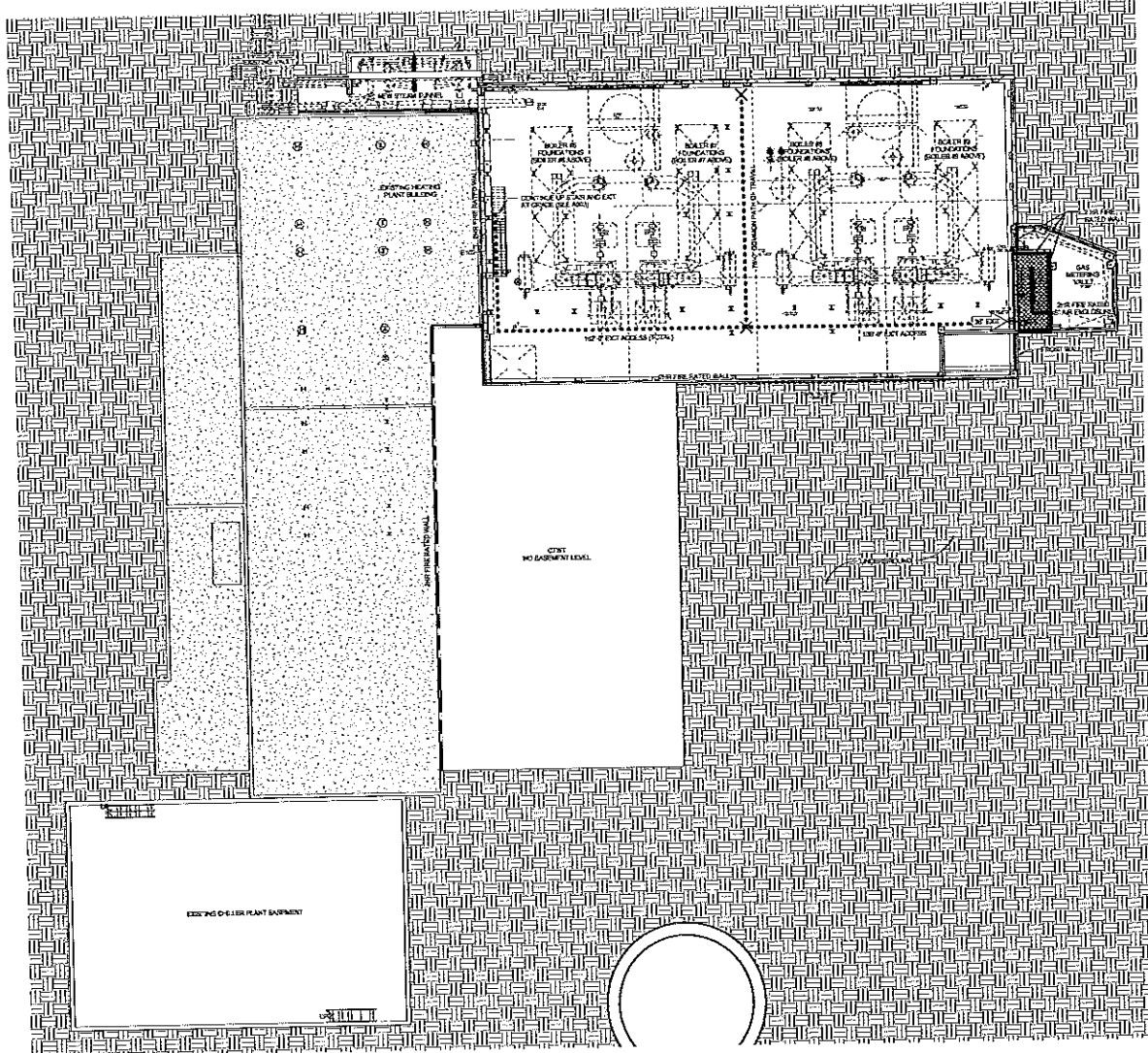
**CHARTER STREET
 HEATING PLANT REBUILD**

PROJECT # 110101010
 MADISON, WI
 BUILDING CODE REFERENCE PLANS - BASEMENT

No.	Date	Description
A	02/28/10	SCALE FOR BIDS
B	03/10/10	SCALE FOR BIDS
C	02/28/11	SCALE FOR BIDS
D	03/11/11	SCALE FOR BIDS
E	03/11/11	SCALE FOR BIDS
F	03/11/11	SCALE FOR BIDS

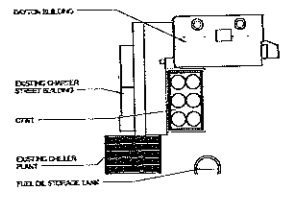
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Sheet Number	010111	
Sheet Title	A002	

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 WORK SAFELY

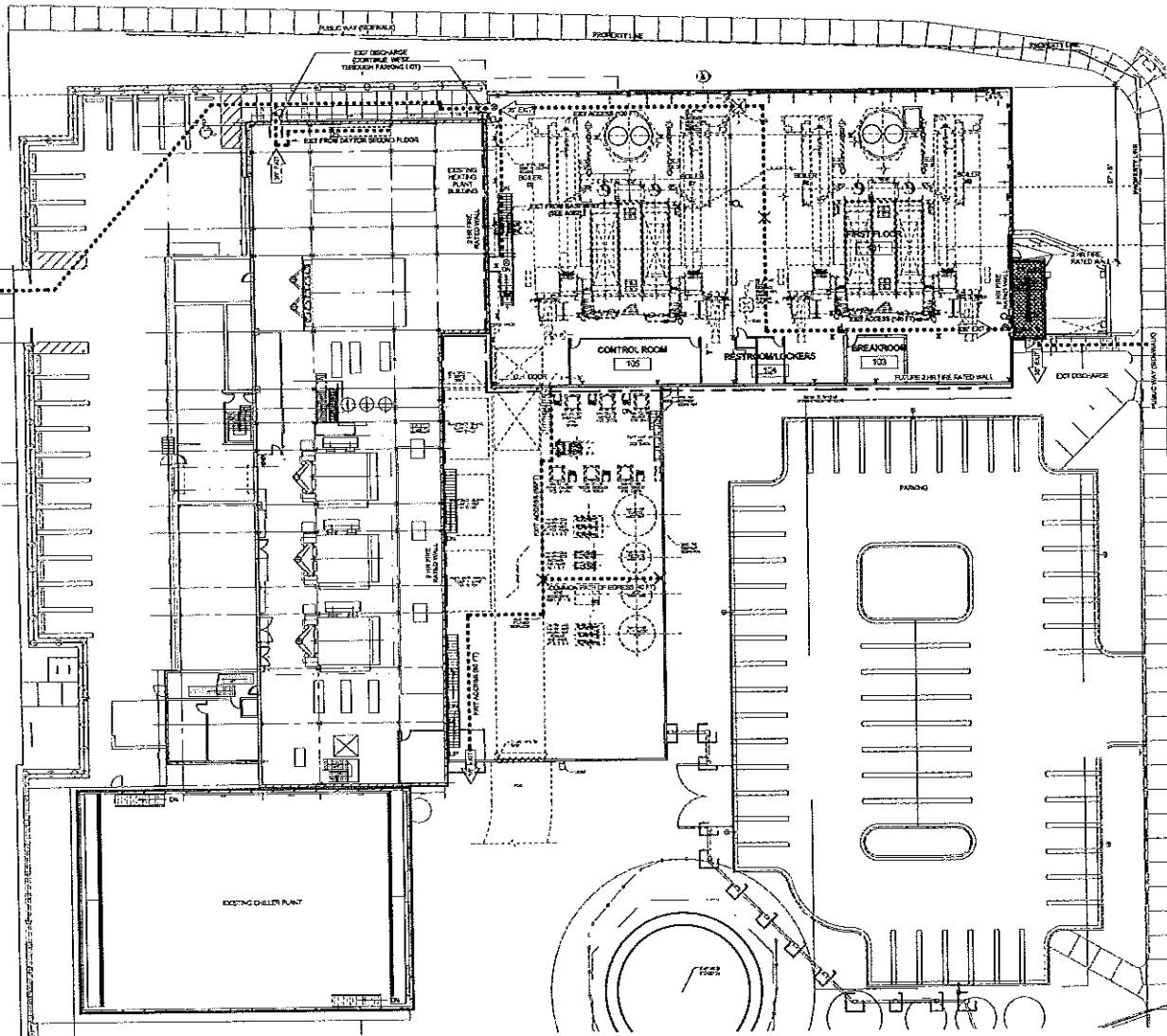


- CODE REFERENCE LISTING**
- ⊕ = ON-GAS MOUNTED OUTLET
 - ⊙ = FIRE EXTINGUISHER
 - = #1 OCCUPANCY
 - ▨ = #2 OCCUPANCY (SPECIAL HANDLING AND STORAGE)
 - ▩ = #3 OCCUPANCY (SPECIAL HANDLING AND STORAGE)
 - ▧ = #4 OCCUPANCY (SPECIAL HANDLING AND STORAGE)
 - ↑ = REMOVED FIRE COMPARTMENT

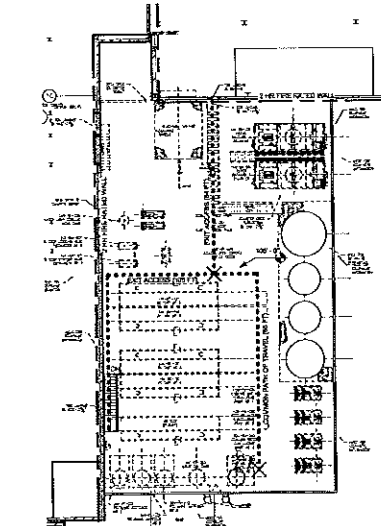
- General Building Information**
1. The 2006 edition of the International Building Code (IBC) as adopted and amended by the Wisconsin Department of Safety, Chapter Code CS 11.02.
 2. The 2006 edition of the International Energy Conservation Code (IECC) as adopted and amended by the Wisconsin Department of Safety, Chapter Code CS 11.03.
 3. The 2006 edition of the International Mechanical Code (IMC) as adopted and amended by the Wisconsin Department of Safety, Chapter Code CS 11.04.
 4. The Wisconsin State Plumbing Code, Chapter Code CS 11.05 and the 2003 Edition of the International Fire Code (IFC).
- General Description of Project**
1. The project consists of the reconstruction of the existing heating plant and the addition of a new boiler room and chiller plant. The project also includes the reconstruction of the existing ductwork and the addition of new ductwork. The project also includes the reconstruction of the existing piping and the addition of new piping. The project also includes the reconstruction of the existing electrical system and the addition of new electrical system.
- Area Summary**
1. The project consists of the reconstruction of the existing heating plant and the addition of a new boiler room and chiller plant. The project also includes the reconstruction of the existing ductwork and the addition of new ductwork. The project also includes the reconstruction of the existing piping and the addition of new piping. The project also includes the reconstruction of the existing electrical system and the addition of new electrical system.



1 BUILDING CODE REFERENCE PLAN - BASEMENT
 1/12" = 1'-0"



1 BUILDING CODE REFERENCE PLAN - FIRST FLOOR
1/8" = 1'-0"



2 BUILDING CODE REFERENCE PLAN (MEZZANINE LEVEL CTWT)
1/8" = 1'-0"

EXISTING/REMOVED LEGEND

- - OPENING: SCHEDULED EXTERIOR LIGHT
- - FPE OCCUPANCY
- ▨ - H/O OCCUPANCY (AS FLOOR HANDLING AND STORAGE)
- ▨ - H/O REPAIR SYSTEM TWO COURSE
- 1 - PROPERTY FIRE COMPARTMENT
- 2 1/2" FIRE BARRIER
- - COMMON PATH OF EGRESS

General Life Safety Information

A. Applicable Codes

- The 2009 Edition of the International Building Code (IBC) as adopted and amended by IS
- The 2009 Edition of the International Energy Conservation Code (IECC) as adopted and amended by IS
- The 2009 Edition of the International Mechanical Code (IMC) as adopted and amended by IS
- The 2009 Edition of the International Fire Code (IFC) as adopted and amended by IS
- The 2009 Edition of the International Plumbing Code (IPC) as adopted and amended by IS
- The 2009 Edition of the International Fire Code (IFC) as adopted and amended by IS

B. General Description of Project

- The proposed Charter Street Heating Plant will include a first floor, second floor and basement in an existing building which will be fully occupied. The proposed CTWT building will include a first floor, second floor with no basement or existing facility which will be fully operational.
- The Charter Street building and CTWT building are contiguous.
- The structure type is classified as III, if solid, non-combustible.

C. Area Analysis

ICC Section 103.5.1 Unkempt and 103.5.1.1 Occupancy: The building will be separated by 2 hour fire barrier on proposed 1st floor. The building facility is a 2-story, non-sprinkled, secondary building (CTWT) and basement (Storage) with 11 occupancy.

1. Total Area of Existing Building: 104,800 SF

Area of Proposed Addition (Churner) - Basement - 17,266 SF
First Floor - 4,829 SF
Second Floor - 17,119 SF

Area of Proposed Addition (CTWT) - First Floor - 8,609 SF
Second Floor - 5,362 SF

Total Area, New and Existing - 135,015 SF

D. Accessibility

ICC Section 103.2.6 Unkempt Access routes are required by Code 103.2.6.2. The accessible route is shown, both new and existing are marked, access and level, or pavement work must be frequently checked by employee and are not open to the General Public. The contractor is responsible for accessibility.

E. Occupant Capacity

Unoccupied per AISC, egress, persons

F. Funding System

ICC Section 103.2.6 Unkempt Number of Planning/Design. Tablets are provided in the existing Charter Street building.

Structure Location

State of Wisconsin
Department of Administration
Division of State Facilities

UNIVERSITY OF WISCONSIN - MADISON

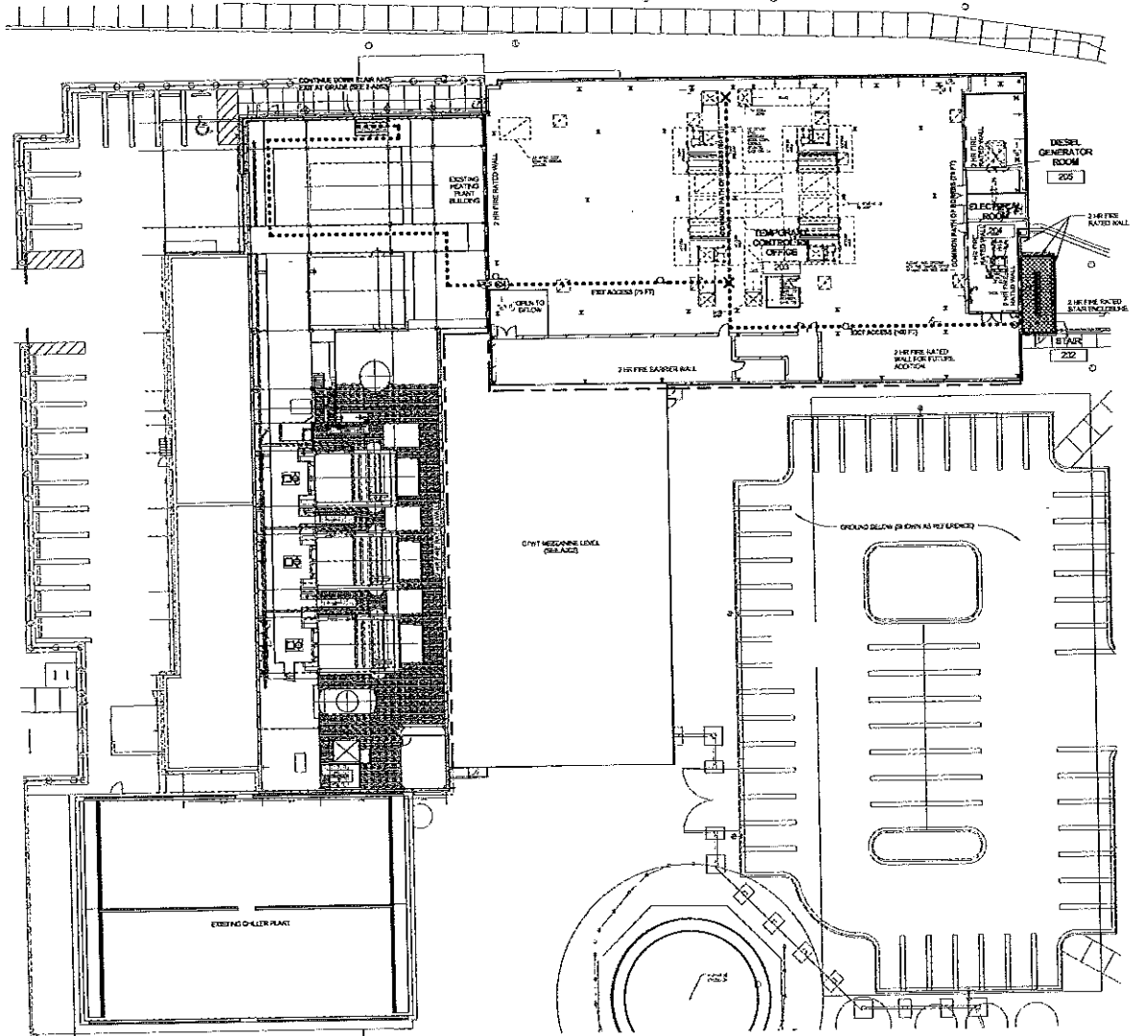
CHARTER STREET HEATING PLANT REBUILD
Project Location: MADISON, WI
Drawing Title: BUILDING CODE REFERENCE PLANS - FIRST FLOOR

NO.	DATE	DESCRIPTION
A	12/20/10	ISSUE FOR BIDS
B	12/29/10	ISSUE FOR BIDS
C	01/07/11	ISSUE FOR BIDS
D	01/13/11	BIDDING REVISION
E	01/07/11	ISSUE FOR BIDS
F	01/13/11	ISSUE FOR BIDS

Graphic Scale: 0' 2' 4' 8' 16' 20'

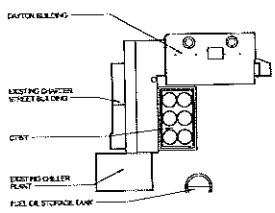
Drawn By: 0542L
Set Type: PR
Title: 5/11/11
Sheet Number: A003

OPEN REVISION
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1 BUILDING CODE REFERENCE PLAN - SECOND FLOOR
 1/4" = 1'-0"

- DOCC REFERENCE LEGEND**
- ⊙ = CEILING MOUNTED LIGHT FIXTURE
 - = FIRE EXIT MOUNTED LIGHT
 - = F-1 OCCUPANCY
 - = F-2 OCCUPANCY
 - = F-3 OCCUPANCY
 - = F-4 OCCUPANCY
 - = F-5 OCCUPANCY
 - = F-6 OCCUPANCY
 - = F-7 OCCUPANCY
 - = F-8 OCCUPANCY
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 - = F-90 OCCUPANCY
 - = F-91 OCCUPANCY
 - = F-92 OCCUPANCY
 - = F-93 OCCUPANCY
 - = F-94 OCCUPANCY
 - = F-95 OCCUPANCY
 - = F-96 OCCUPANCY
 - = F-97 OCCUPANCY
 - = F-98 OCCUPANCY
 - = F-99 OCCUPANCY
 - = F-100 OCCUPANCY



- General Information**
1. Applicable Codes
 - The 2006 edition of the International Building Code (IBC) as adopted and amended by the Wisconsin Commercial Building Code, Chapter Code 10.18.
 - The 2006 edition of the International Energy Conservation Code (IECC) as adopted and amended by the Wisconsin Commercial Building Code, Chapter Code 10.18.
 - The 2006 edition of the International Fire Code (IFC) as adopted and amended by the Wisconsin Commercial Building Code, Chapter Code 10.18.
 - The Wisconsin State Plumbing Code, Chapter Code 10.18.
 - The 2006 edition of the International Fire Code (IFC).
 2. General Description of Project
 - The proposed Charter Street Heating Plant is a new building to be constructed on the site of the existing Charter Street Heating Plant. The proposed Charter Street Heating Plant is a new building to be constructed on the site of the existing Charter Street Heating Plant. The proposed Charter Street Heating Plant is a new building to be constructed on the site of the existing Charter Street Heating Plant.
 3. Area Analysis
 - IBC Section 101.2 (1) - Limited Area (L.A.) exception, the building will be separated by four (4) feet from the existing Charter Street Heating Plant.
 - Total Area of Existing Building - 40,000 SF
 - Area of Proposed Addition (201) - 17,250 SF
 - Second Floor - 17,115 SF
 - Total Area, New and Existing - 57,250 SF
 4. Accessibility
 - IBC Section 103.2 (1) - Limited Access (L.A.) exception, the building will be separated by four (4) feet from the existing Charter Street Heating Plant.
 - The proposed Charter Street Heating Plant is a new building to be constructed on the site of the existing Charter Street Heating Plant. The proposed Charter Street Heating Plant is a new building to be constructed on the site of the existing Charter Street Heating Plant.
 5. Occupancy
 - Occupancy - Industrial/Manufacture
 6. Planning System
 - IBC Section 103.2 (1) - Limited Area (L.A.) exception, the building will be separated by four (4) feet from the existing Charter Street Heating Plant.
 - The proposed Charter Street Heating Plant is a new building to be constructed on the site of the existing Charter Street Heating Plant. The proposed Charter Street Heating Plant is a new building to be constructed on the site of the existing Charter Street Heating Plant.

Scale:

Scale:

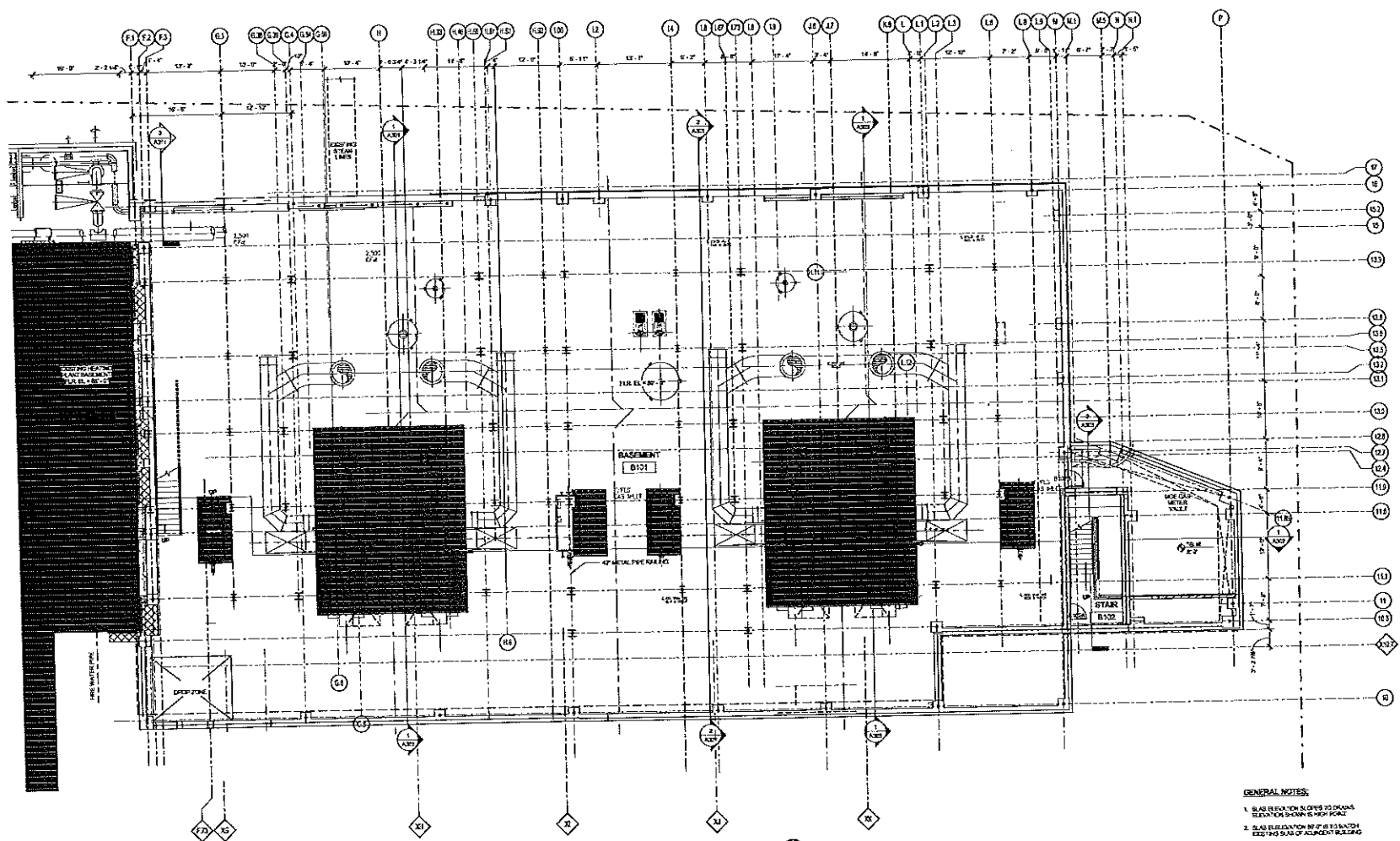
**CHARTER STREET
 HEATING PLANT REBUILD**

NO.	DESCRIPTION	DATE
1	ISSUE FOR BIDS	08/15/11
2	ISSUE FOR BIDS	08/15/11
3	ISSUE FOR BIDS	08/15/11
4	ISSUE FOR BIDS	08/15/11
5	ISSUE FOR BIDS	08/15/11
6	ISSUE FOR BIDS	08/15/11
7	ISSUE FOR BIDS	08/15/11
8	ISSUE FOR BIDS	08/15/11
9	ISSUE FOR BIDS	08/15/11
10	ISSUE FOR BIDS	08/15/11

Project No.	03A26
Scale	PR
Date	07/11/11
Sheet No.	A004

OPEN REVISION
WORK SAFELY

03424-1



1
 A101
BASEMENT FLOOR PLAN - DAYTON
 1/8" = 1'-0"

GENERAL NOTES:
 1. SLAB ELEVATION SHOWN TO DRAINAGE ELEVATION SHOWN IN HIGH POINT.
 2. SLAB ELEVATION SHOWN TO MATCH EXISTING SLAB OF ADJACENT BUILDING.

State of Wisconsin
 Department of Administration
 Division of State Facilities



UNIVERSITY OF WISCONSIN - MADISON
 PROJECT TITLE

**CHARTER STREET
 HEATING PLANT REBUILD**
 Project Location
 MADISON, WI
 Project Title
 BASEMENT FLOOR PLAN - DAYTON

Revised	By	Description
A	10/27/20	ISSUE FOR BIDS
B	10/28/20	ISSUE FOR BIDS
C	03/04/21	DOC. REVISION
D	03/11/21	PROJECT MEET REVIEW
E	03/22/21	REV. FOR REVISION
F	03/23/21	REV. FOR REVISION

Scale	1/8" = 1'-0"
Sheet Number	03424
Sheet Type	FR
Sheet Number	5/11/11
Sheet Number	A101

OPEN REVISION
WORK SAFELY



343 REINY STREET
SUIT 22
MADISON, WISCONSIN 53733

DATE: _____

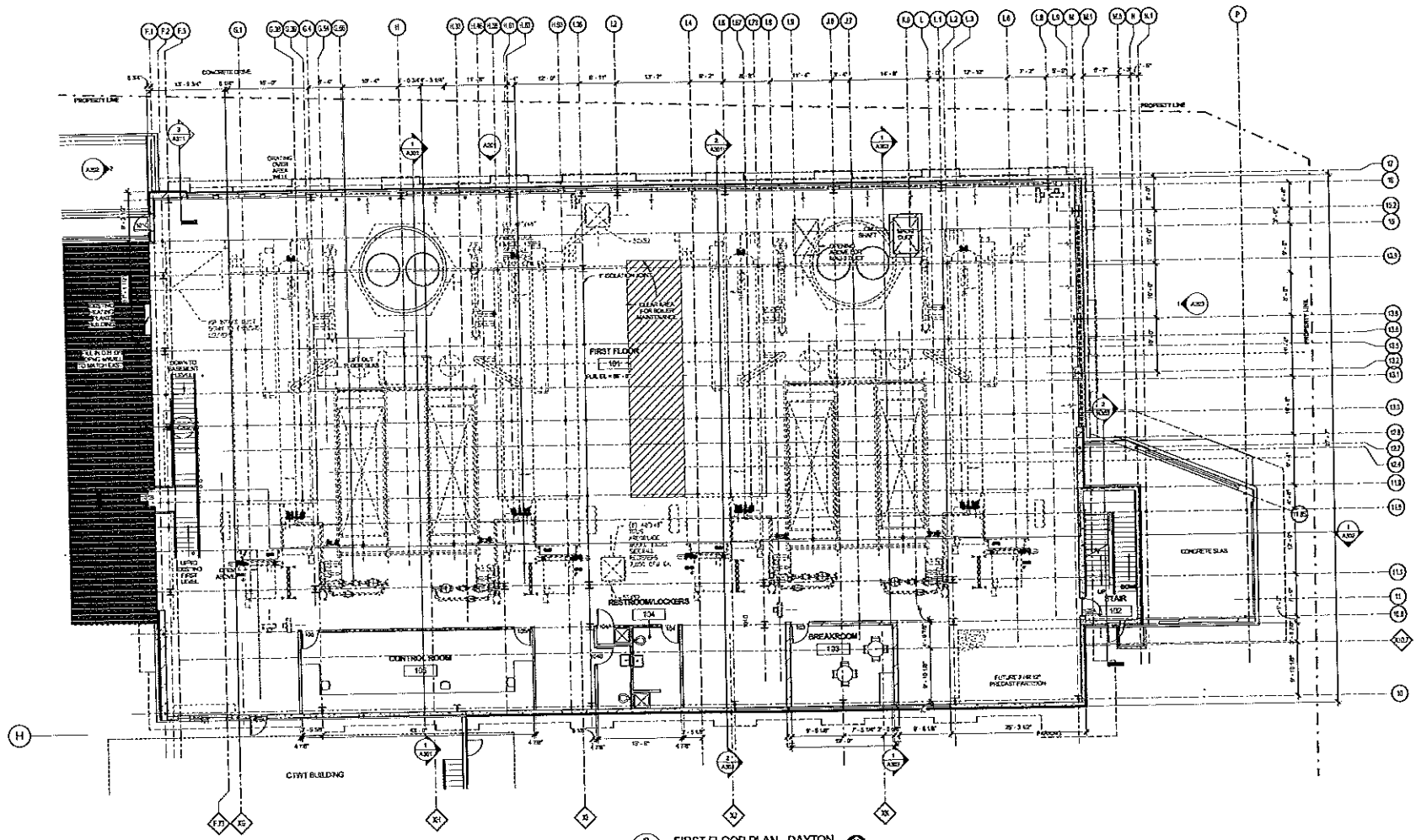
State of Wisconsin
Department of Administration
Division of State Facilities



UNIVERSITY OF WISCONSIN - MADISON

PROJECT: CHARTER STREET
HEATING PLANT REBUILD
MADISON, WI

UNIVERSITY OF WISCONSIN - DAYTON

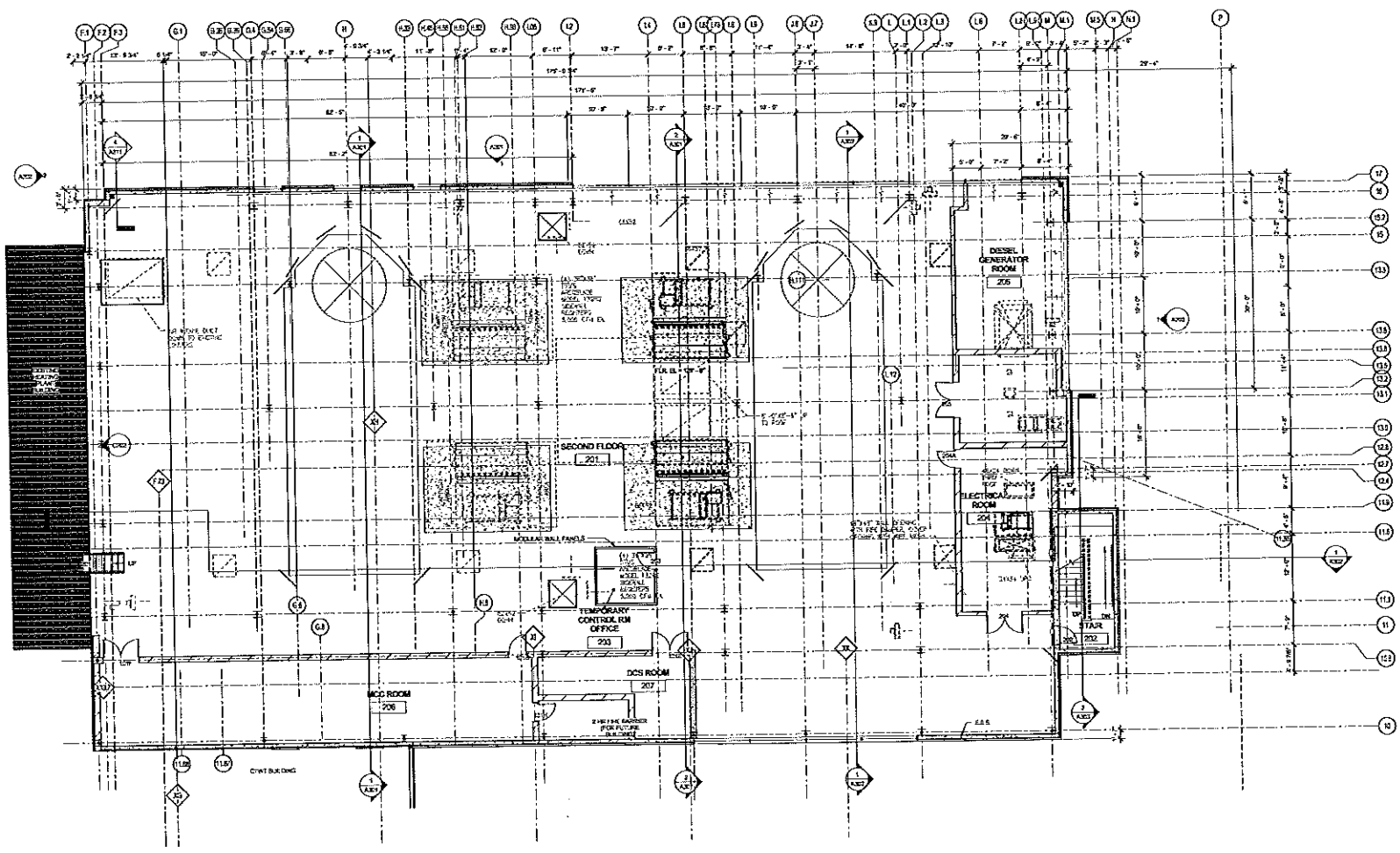


2 FIRST FLOOR PLAN - DAYTON
1/8" = 1'-0"

NO.	DATE	DESCRIPTION
A	10/17/11	SCALE FOR BLS
B	12/18/11	SCALE FOR BLS
C	1/28/12	SCALE FOR BLS
D	6/21/12	SCALE FOR BLS
E	10/23/12	SCALE FOR BLS
F	11/11/12	SCALE FOR BLS

PROJECT NO.	0342
DATE	PR
DESIGNER	SH1151
CHECKER	A102

OPEN REVISION
WORK SAFELY



1 SECOND FLOOR PLAN - DAYTON
 A103 1/8" = 1'-0"

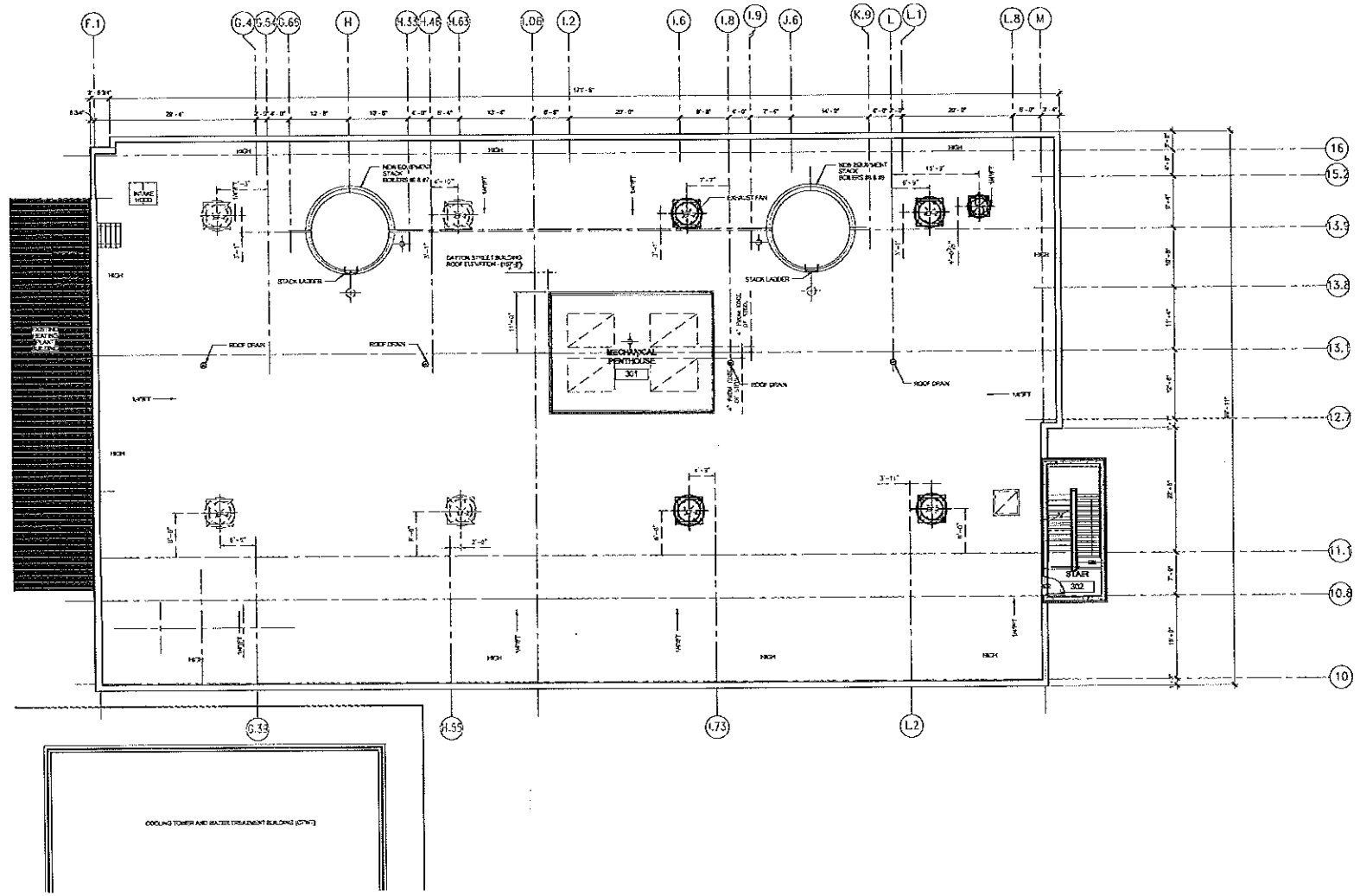
State of Wisconsin
 Department of Administration
 Division of State Facilities

CHARTER STREET HEATING PLANT REBUILD
 MADISON, WI

Revision	Date	Description
A	08-01-03	ISSUE FOR BIDD
B	08-01-03	ISSUE FOR BIDD
C	08-01-03	ISSUE FOR BIDD
D	08-01-03	ISSUE FOR BIDD
E	08-01-03	ISSUE FOR BIDD
F	08-01-03	ISSUE FOR BIDD
G	08-01-03	ISSUE FOR BIDD

Original Scale	1/8" = 1'-0"
CSF Number	0342L
Set Type	PK
Scale	5/16" = 1'-0"
Sheet Number	A103

OPEN REVISION
WORK SAFELY



1 ROOF PLAN
 A104 1/8" = 1'-0"

024.024

PROJECT NUMBER

State of Wisconsin
 Department of Administration
 Division of State Facilities



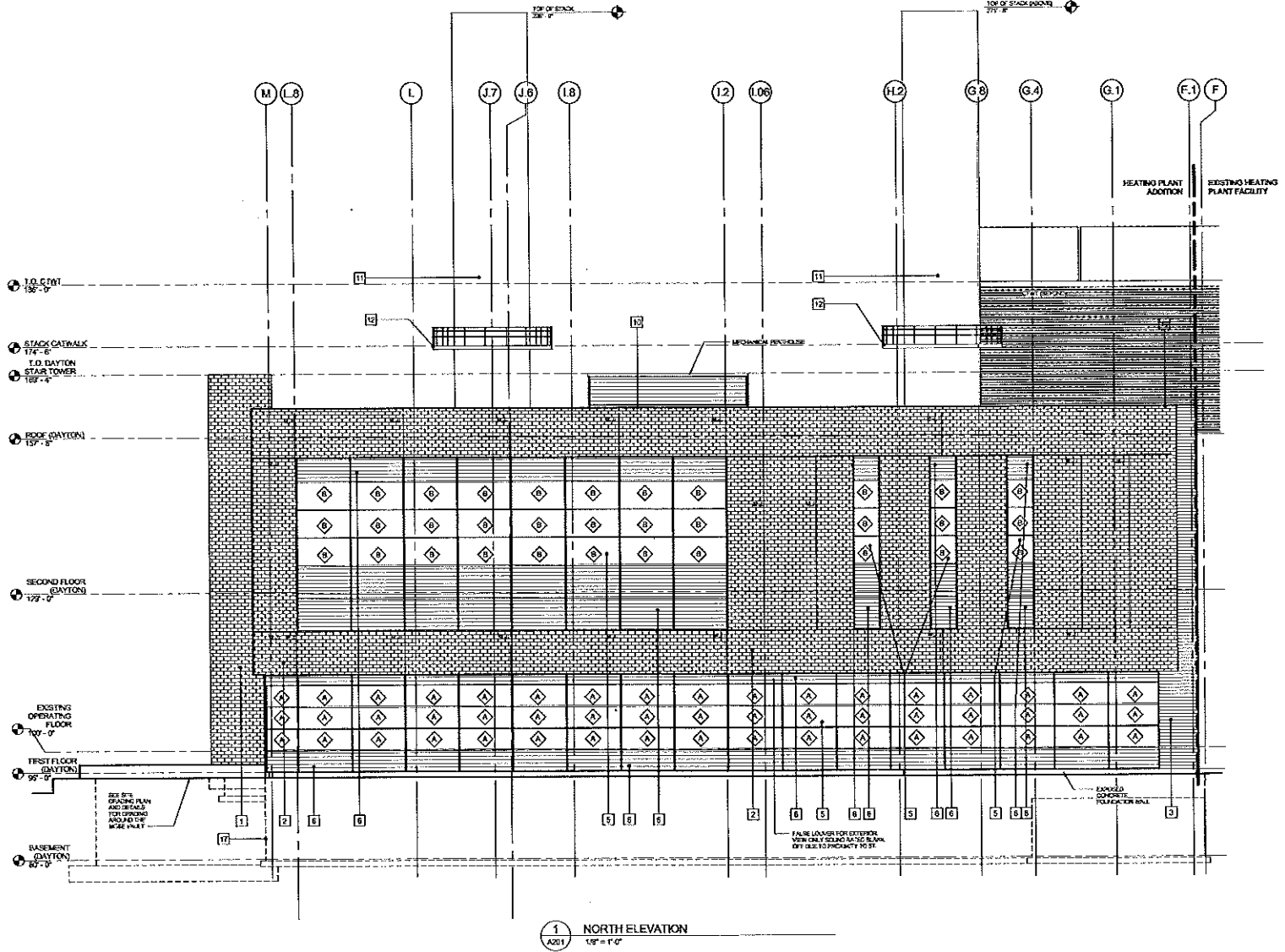
UNIVERSITY OF WISCONSIN - MADISON

PROJECT TITLE
CHARTER STREET HEATING PLANT REBUILD
 PROJECT LOCATION
 MADISON, WI
 SHEET TITLE
 ROOF PLAN - DAYTON

NO.	DATE	DESCRIPTION
A	12-10-13	ISSUE FOR BIDS
B	12-10-13	ISSUE FOR BIDS
C	3-19-14	DOC. TYPED
D	4-15-14	RE-DESIGN REVIEW
E	4-29-14	CONTRACT REVISION
F	5-15-14	CONTRACT SUBMITTAL

Drawn By	27	Checked By	27
Scale	1/8" = 1'-0"	Project Number	0342L
Discipline	MEP	Project Name	PR
Date Plotted	5/15/14	Sheet Number	A104

OPEN REVISION
WORK SAFELY



- ELEVATION KEYNOTES**
- 1 PRECAST PANEL TYPE 1
 - 2 PRECAST PANEL TYPE 2
 - 3 METAL WALL PANEL / GULF SYSTEM TYPE 1
 - 4 METAL WALL PANEL TYPE LAST SYSTEM TYPE 1
 - 5 CLIC WALL TYPE 1
 - 6 CLIC WALL TYPE 2
 - 7 CLIC WALL TYPE 3
 - 8 HOLLOW METAL DOOR AND FRAME
 - 9 INSULATED OVERHEAD DOOR
 - 10 INSULATED METAL CURTAIN WALL
 - 11 FRAMEWORK FOR EXHAUST STACK
 - 12 MAINTENANCE PLATFORM & GUARDRAIL
 - 13 PRECAST PANEL 4
 - 14 INSULATED METAL WALL PANEL TYPE 2
 - 15 CONCRETE ENCLOSURE METAL WALL PANEL
 - 16 CLIC WALL TYPE 2
 - 17 FOOTING AND FOUNDATION WALLS - GARDEN
 - 18 ROOFTOP EQUIPMENT
- ◊ EUI - TYPE A (PVD)
 ◊ EUI - TYPE B

1 NORTH ELEVATION
 1/8" = 1'-0"

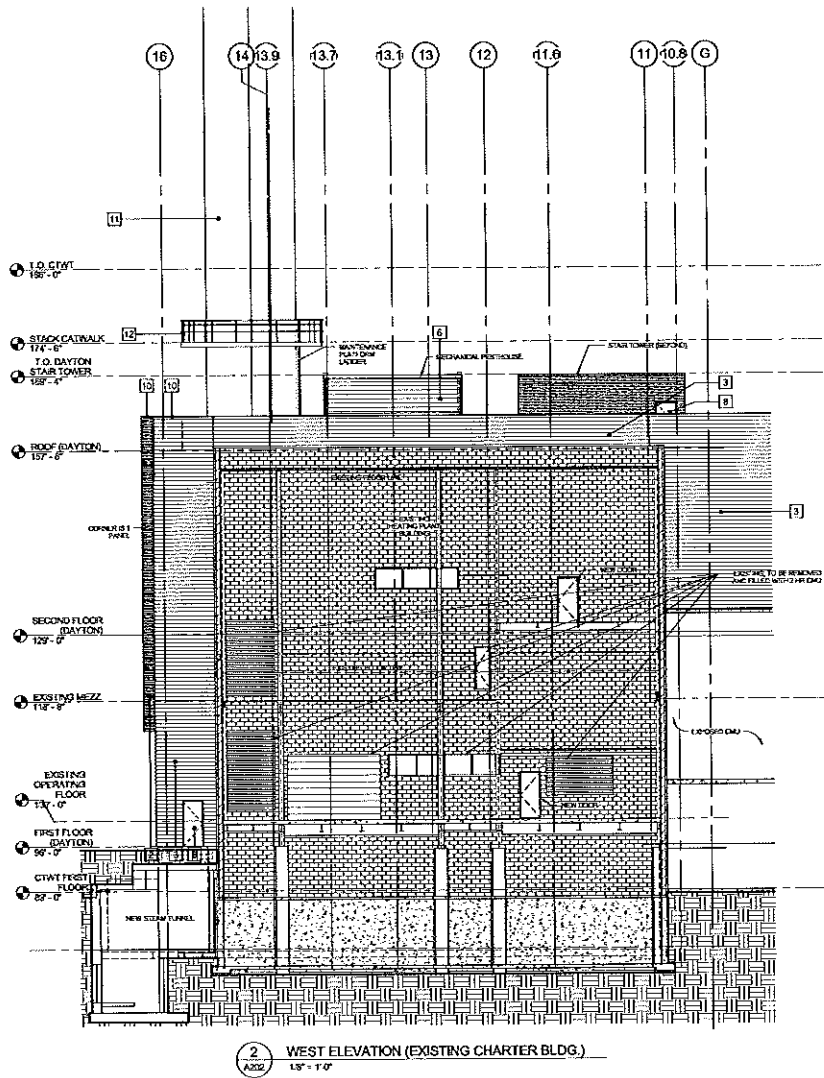
State of Wisconsin
 Department of Administration
 Division of State Facilities
 PROJECT: CHARTER STREET
 UNIVERSITY OF WISCONSIN - MADISON

**CHARTER STREET
 HEATING PLANT REBUILD**
 MADISON, WI
 SHEET 1101

REV.	DATE	DESCRIPTION
A	02/20/11	ISSUE FOR BIDS
B	02/28/11	ISSUE FOR BIDS
C	3/31/11	DOE REVIEW
D	4/28/11	MULTI-PHASE REVIEW
E	4/28/11	CONCEPT REVIEW
F	5/11/11	CONCEPT REVIEW

OPEN REVISION
 WORK SAFELY

Sheet Number: A201



ELEVATION KEYNOTES

- 1 PRECAST PANEL TYPE 1
- 2 PRECAST PANEL TYPE 2
- 3 METAL WALL PANEL/CMU SYSTEM TYPE 1
- 4 METAL WALL PANEL/CMU SYSTEM TYPE 2
- 5 CURTAIN WALL TYPE 1
- 6 LOUVER TYPE 1
- 7 LOUVER TYPE 2
- 8 INSULATED METAL CLADDING AND FINISH
- 9 INSULATED OVERHEAD DOOR
- 10 PREFABRICATED METAL CLADDING
- 11 PACKAGED BOILER EXHAUST STACK
- 12 MAINTENANCE PLATFORM & GUARDRAIL
- 13 PRECAST PANEL 4
- 14 INSULATED METAL WALL PANEL TYPE 2
- 15 ELEMENTAL ENCLOSED METAL WALL PANEL
- 16 CURTAIN WALL TYPE 2
- 17 FOOTING AND FOUNDATION WALLS - CASHED
- 18 ROOFTOP EQUIPMENT

- ◇ RCP - TYPE A (PFR)
- ◇ RCP - TYPE B

DATE: 04/11/11

REVISED: 04/11/11

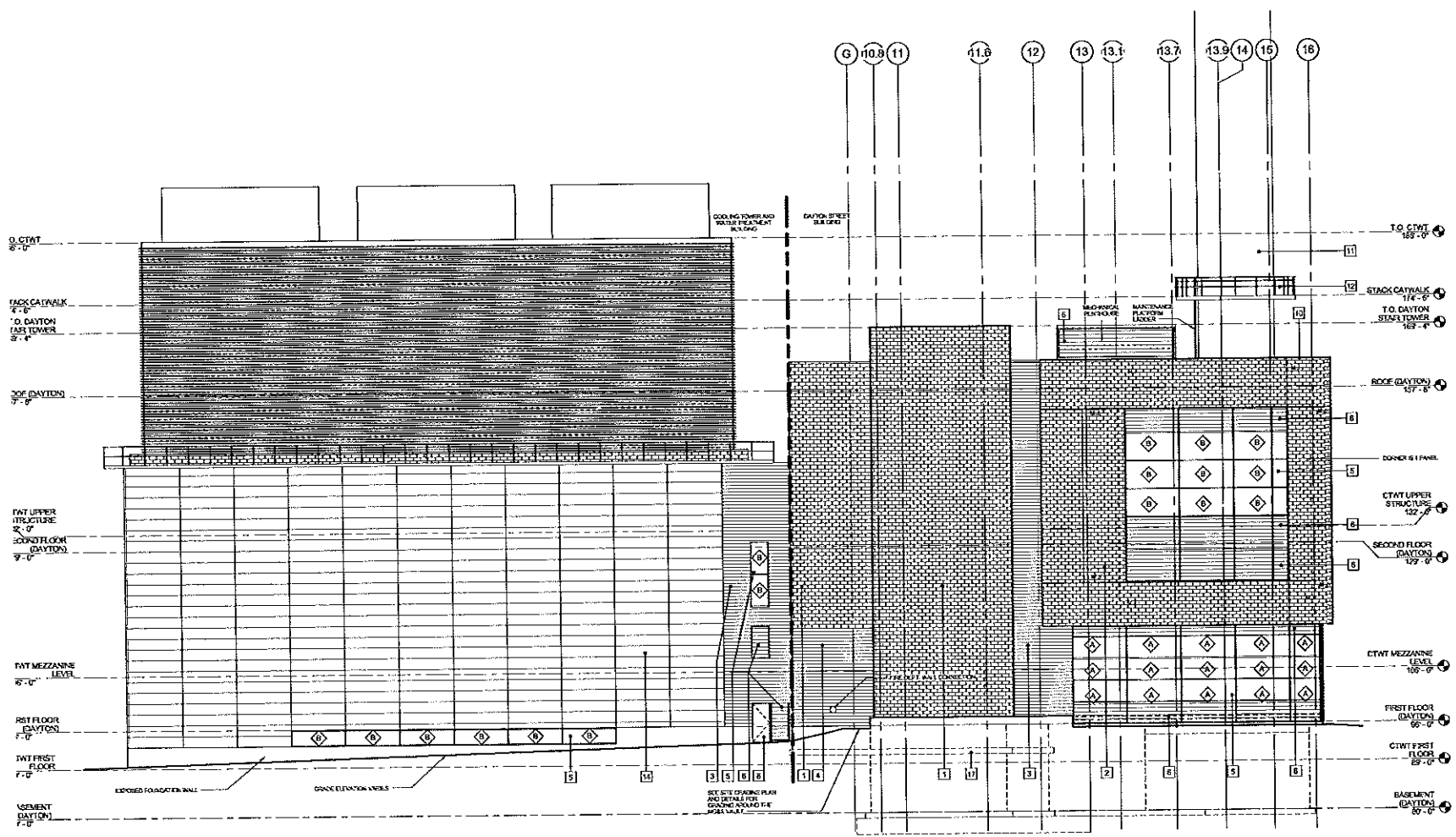
State of Wisconsin
 Department of Administration
 Division of State Facilities
 PROJECT: 7-2010-0000
 UNIVERSITY OF WISCONSIN - MADISON

PROJECT: CHARTER STREET HEATING PLANT REBUILD
 MADISON, WI
 DRAWING TITLE: BUILDING ELEVATIONS

REV.	DATE	DESCRIPTION
A	03/01/11	ISSUE FOR BIDS
B	03/01/11	ISSUE FOR BIDS
C	03/01/11	ISSUE FOR BIDS
D	03/01/11	WISCONSIN REVIEW
E	03/01/11	CONTRACT REVIEW
F	03/01/11	CONTRACT REVIEW

Project	CHARTER STREET HEATING PLANT REBUILD
Scale	1/8" = 1'-0"
Sheet No.	0542L
Discipline	PR
Date	01/01/11
Sheet	A202

OPEN REVISION
 WORK SAFELY



1 EAST ELEVATION
 1/8" = 1'-0"

ELEVATION NOTES

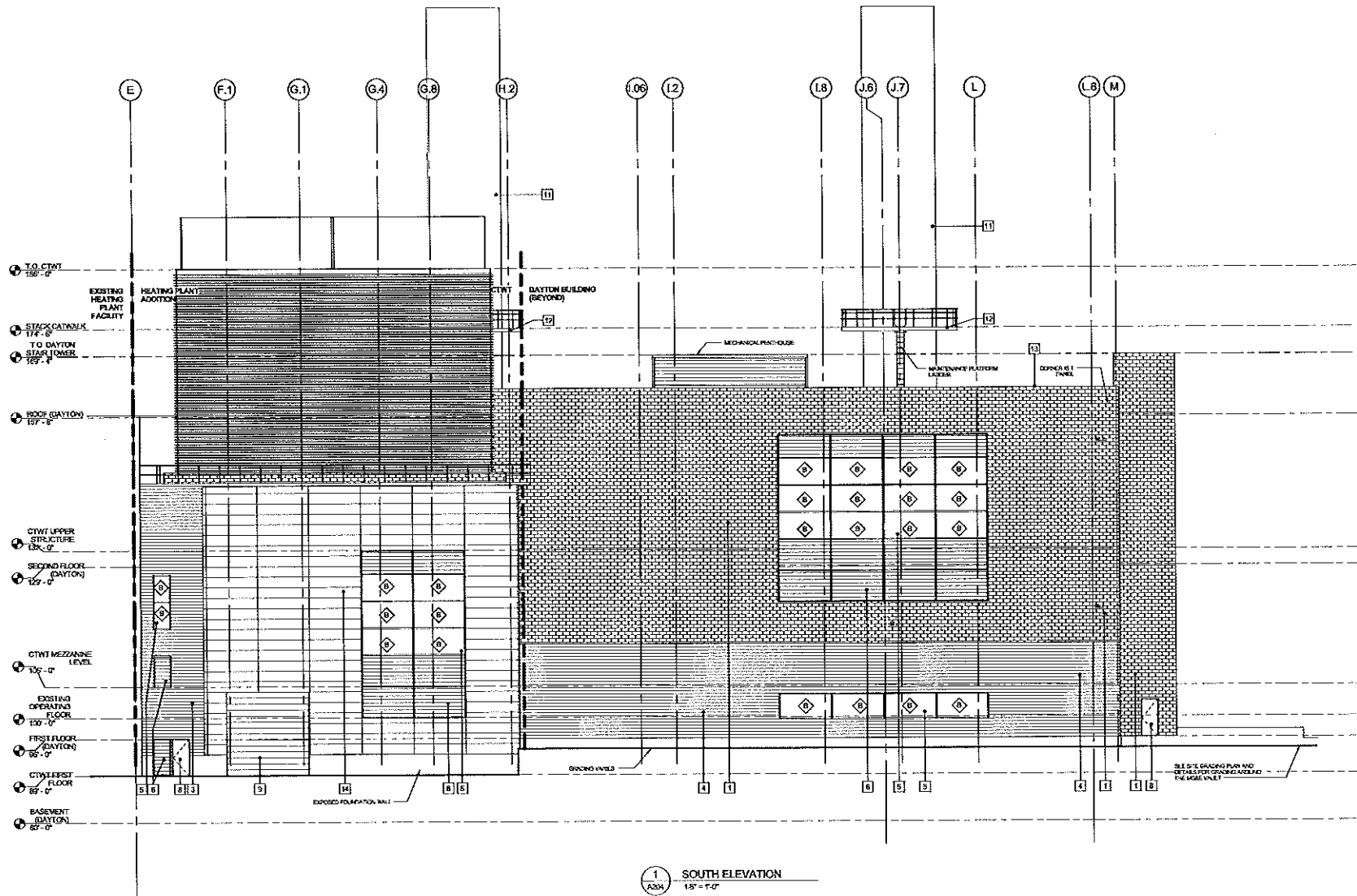
- 1 PRECAST PANEL TYPE 1
- 2 PRECAST PANEL TYPE 2
- 3 METAL WALL PANEL / FOLI SYSTEM TYPE 1
- 4 METAL WALL PANEL / FOLI CASI SYSTEM TYPE 1
- 5 GLAZED WALL TYPE 1
- 6 LEXAN TYPE 1
- 7 LEXAN TYPE 2
- 8 HOLLOW METAL DECK AND FORME
- 9 INSULATED OVERHEAD DOOR
- 10 FRIST-BESED METAL COFFING
- 11 FACIASE BOILER EX-AUST BOAR
- 12 MAINTENANCE PLATFORM & GLAZED WALL
- 13 PERCAST PANEL 4
- 14 INSULATED METAL WALL PANEL TYPE 1
- 15 CUSTOM WALL TYPE 2
- 16 EQUIPMENT ENCLOSURE METAL WALL PANEL
- 17 EQUIPMENT ENCLOSURE METAL WALL PANEL
- 18 ROOF TOP ELEVATION

- ◇ K11 - TYPE A/MS
- ◇ K12 - TYPE B

OPEN REVISION
 WORK SAFELY

NO.	DATE	DESCRIPTION
A	02/11/11	ISSUE FOR BIDD
B	11/14/11	ISSUE FOR BIDD
C	03/21/11	ISSUE FOR BIDD
D	05/11/11	ISSUE FOR BIDD
E	07/11/11	ISSUE FOR BIDD
F	09/11/11	ISSUE FOR BIDD

Scale	1/8" = 1'-0"
Drawn	FR
Check	5/11/11
Sheet No.	A203



1 SOUTH ELEVATION
 1/8" = 1'-0"

ELEVATION KEYNOTES

- 1 PRECAST PANEL TYPE 1
 - 2 PRECAST PANEL TYPE 2
 - 3 METAL WALL PANEL/CLAD SYSTEM TYPE 1
 - 4 METAL WALL PANEL/PIPE CLAD SYSTEM TYPE 1
 - 5 CURTAIN WALL TYPE 1
 - 6 LOUVER PIPE 1
 - 7 LOUVER PIPE 2
 - 8 YELLOW METAL DOOR AND FRAME
 - 9 INSULATED OVER HEAD DOOR
 - 10 FINISHED METAL COPING
 - 11 FACED BRICK BOILER EXHAUST STACK
 - 12 MAINTENANCE PLATFORM & GUARDRAIL
 - 13 PRECAST PANEL 4
 - 14 INSULATED METAL WALL PANEL TYPE 2
 - 15 EQUIPMENT ENCLASURE METAL WALL PANEL
 - 16 CURTAIN WALL TYPE 2
 - 17 EXISTING AND FOUNDATION WALLS - DASH PD
 - 18 ROOFTOP EQUIPMENT
- ◇ KSI - TYPE A/B/C/D
 ◇ KSI - TYPE E

OPEN REVISION
 WORK SAFELY

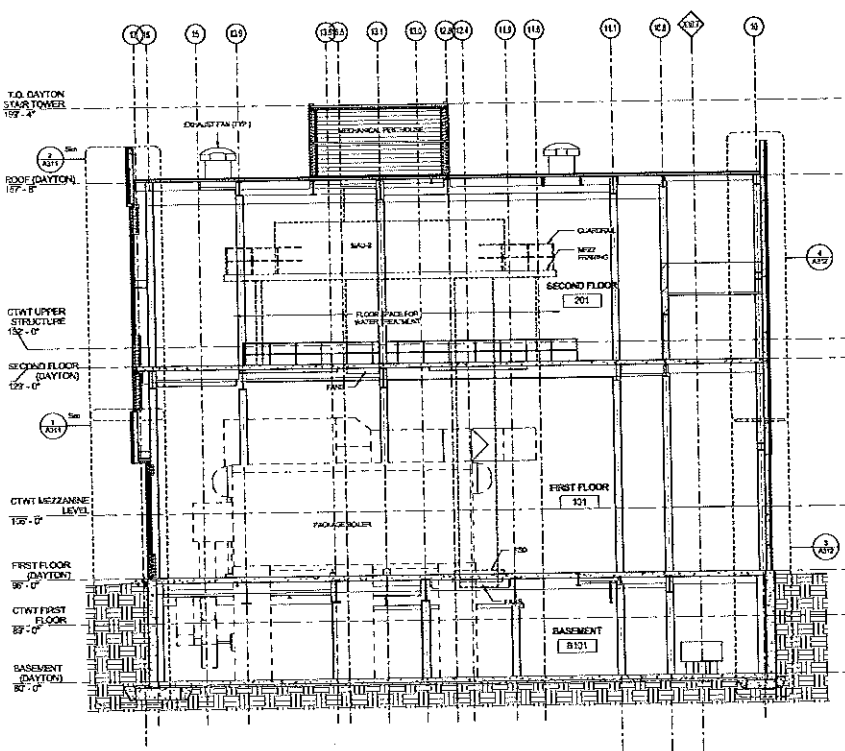
REV	DATE	DESCRIPTION
A	10/27/23	ISSUE FOR BIDS
B	10/27/23	ISSUE FOR BIDS
C	03/15/24	ISSUE FOR BIDS
D	03/15/24	ISSUE FOR BIDS
E	03/15/24	ISSUE FOR BIDS
F	03/15/24	ISSUE FOR BIDS

Client	State of Wisconsin
Scale	1/8" = 1'-0"
CSF Number	0542
Shr Type	PR
Doc. No.	5/15/11
Draw. No.	A204

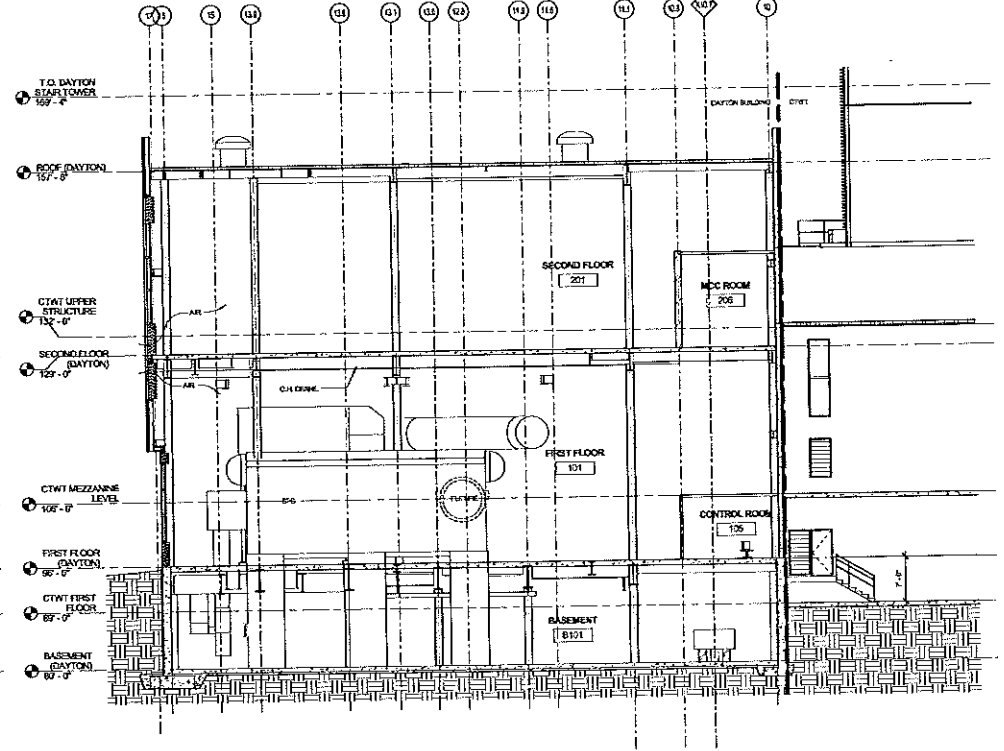
NO.	DATE	DESCRIPTION
A	10/20/10	ISSUE FOR BIDS
B	12/21/10	ISSUE FOR BIDS
C	01/11/11	ISSUE FOR BIDS
D	03/11/11	MECHANICAL REVIEW
E	05/01/11	CONCEPT REVIEW
F	01/11/11	ISSUE FOR SUBMITTAL

Drawn by	Scale	0 2 4 8 12
Check by	Project No.	03426
Scale	Sheet No.	PR
Date	Rev. No.	01/11/11
Drawn by	Sheet No.	A301

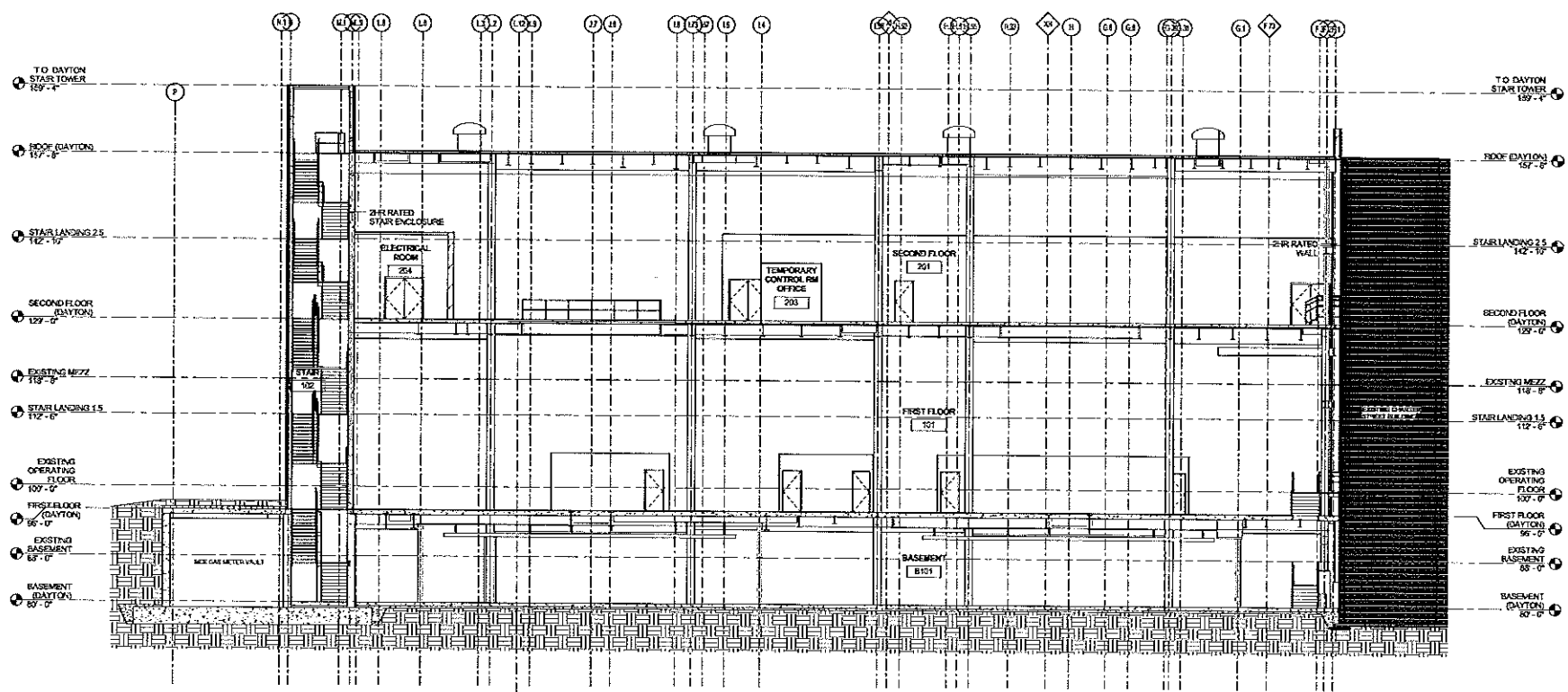
OPEN REVISION
 WORK SAFELY



2 BUILDING SECTION
 A301 1/8" = 1'-0"



1 BUILDING SECTION
 A301 1/8" = 1'-0"



1
A302 BUILDING SECTION
 1/8" = 1'-0"

DATE

SCALE

State of Wisconsin
 Department of Administration
 Division of State Facilities

UNIVERSITY OF WISCONSIN - MADISON

**CHARTER STREET
 HEATING PLANT REBUILD**

Project Location:
 MADISON, WI

Drawn By:
 BUILDING SECTIONS

Rev.	Date	Description
A	02/20/20	ISSUE FOR BIDD
B	02/20/20	ISSUE FOR BIDD
C	03/11/20	ISSUE FOR BIDD
D	03/11/20	ISSUE FOR BIDD
E	03/11/20	ISSUE FOR BIDD
F	03/11/20	ISSUE FOR BIDD

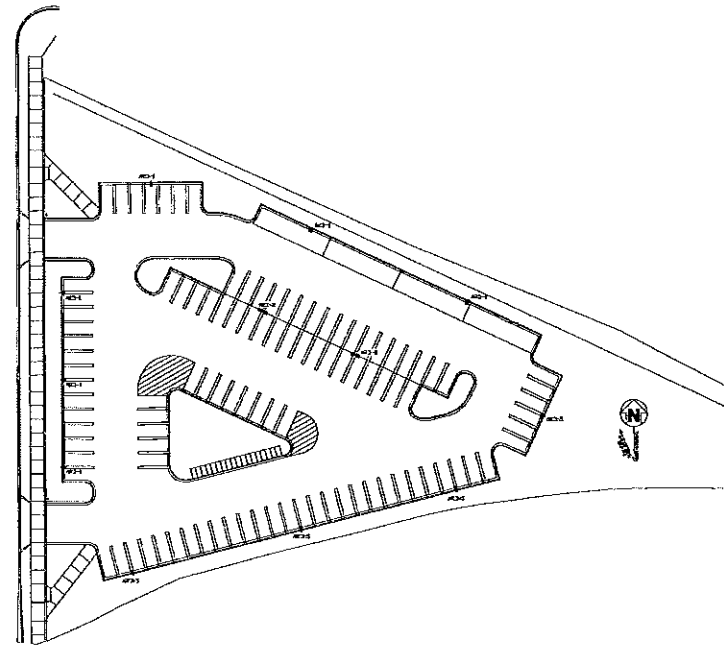
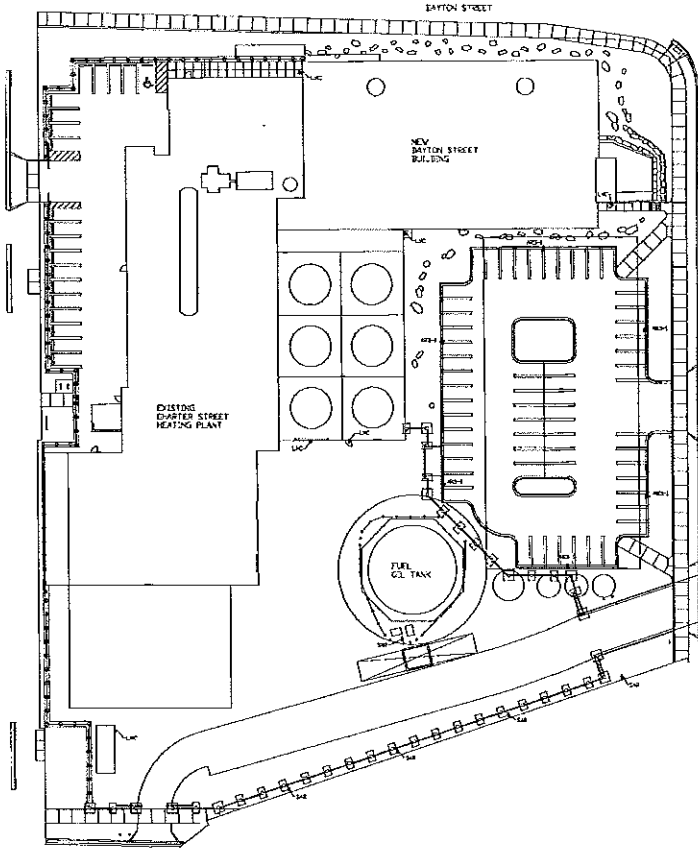
DATE	03/22/20
SCALE	1/8" = 1'-0"
BY	PR
DATE	03/22/20
BY	PR
DATE	03/22/20
BY	PR
DATE	03/22/20
BY	PR

OPEN REVIEW

WORK SAFELY

Sheet No.: **A302**

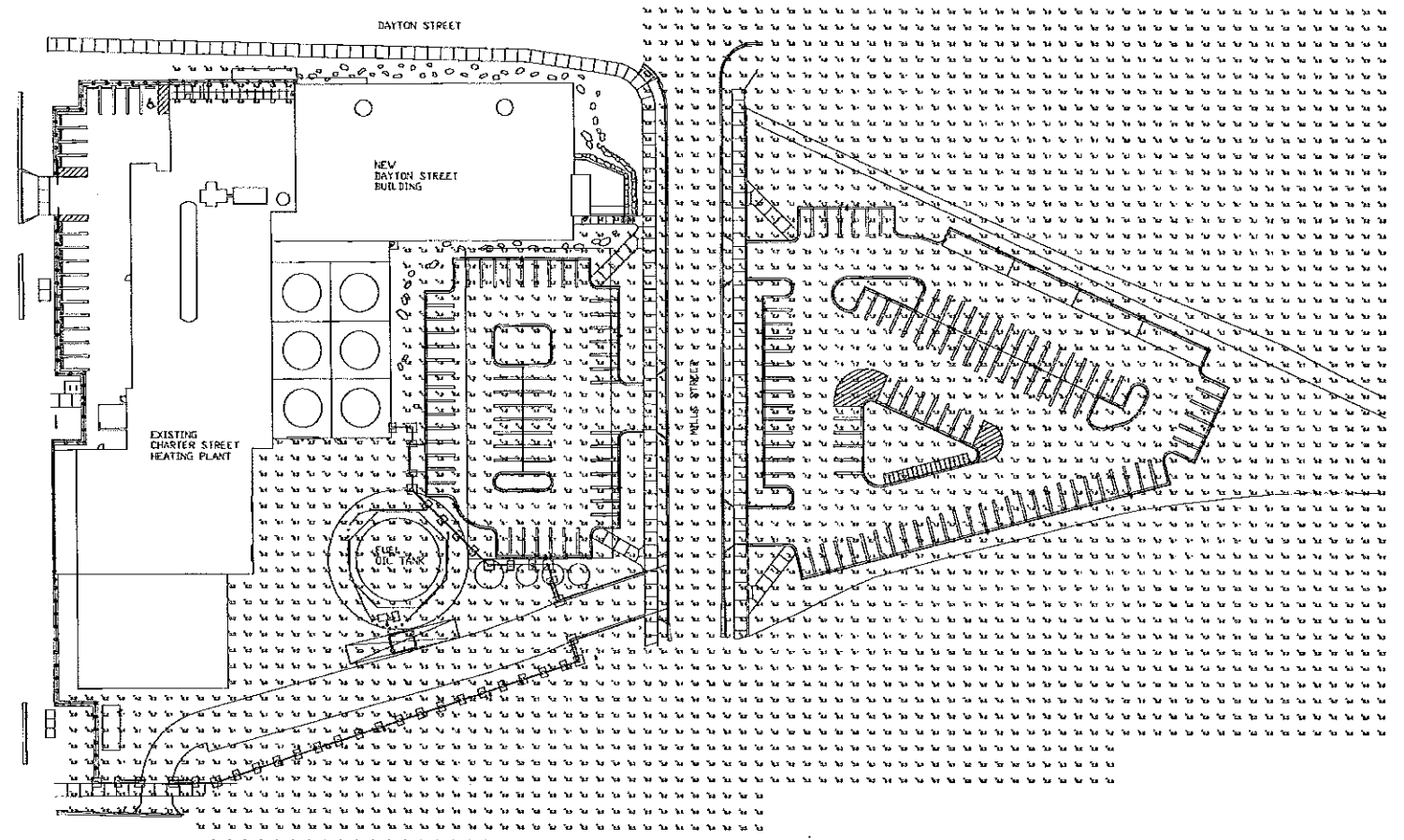
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1	200W	2	200W	REPUTABLE REPUTABLE	REPUTABLE REPUTABLE	REPUTABLE REPUTABLE	200W 200W	5/2
2	400W	10	400W	REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE	REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE	REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE	400W 400W 400W 400W 400W 400W 400W 400W 400W 400W	6/2
3	600W	4	600W	REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE	REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE	REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE	600W 600W 600W 600W	8/2
4	LAC	6	LAC-008	REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE	REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE	REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE	600W 600W 600W 600W 600W 600W 600W 600W 600W 600W	10/2
5	LAC	6	LAC-008	REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE	REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE	REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE REPUTABLE	600W 600W 600W 600W 600W 600W 600W 600W 600W 600W	10/2




Original Scale	1" = 10' 3/4"
REF Number	05A2L
Set	FR
Date Rec'd	05/11/2011
Sheet Number	E 101



LUMINAIRE SCHEDULE								
Item	Qty	Color/Temp	Number	Notes	Fits Luminaire	DF	Beam	
#	400	A50/3000K	AS3000	RECESSED SURFACE MOUNTED FLUORESCENT 4' X 8' W/ 4000K 8' X 4' W/ 4000K 8' X 4' W/ 3000K 8' X 4' W/ 2700K 8' X 4' W/ 2500K 8' X 4' W/ 2000K 8' X 4' W/ 1500K	BY 1017 PLANK HAN	4000	4.00	30
#	400	A50/3000K	AS3000	RECESSED SURFACE MOUNTED FLUORESCENT 4' X 8' W/ 4000K 8' X 4' W/ 4000K 8' X 4' W/ 3000K 8' X 4' W/ 2700K 8' X 4' W/ 2500K 8' X 4' W/ 2000K 8' X 4' W/ 1500K	BY 1017 PLANK HAN	4000	4.00	30
#	400	A50/3000K	AS3000	RECESSED SURFACE MOUNTED FLUORESCENT 4' X 8' W/ 4000K 8' X 4' W/ 4000K 8' X 4' W/ 3000K 8' X 4' W/ 2700K 8' X 4' W/ 2500K 8' X 4' W/ 2000K 8' X 4' W/ 1500K	BY 1017 PLANK HAN	4000	4.00	30
#	100	A50/3000K	AS3000	RECESSED SURFACE MOUNTED FLUORESCENT 4' X 8' W/ 4000K 8' X 4' W/ 4000K 8' X 4' W/ 3000K 8' X 4' W/ 2700K 8' X 4' W/ 2500K 8' X 4' W/ 2000K 8' X 4' W/ 1500K	BY 1017 PLANK HAN	4000	4.00	30





HOLBY
Charter Street
Heating Plant


713 BROWN STREET
SUITE 205
MADISON, WISCONSIN 53713

Contractor:

JJR

JJR LLC
624 HELLSKAMP AVENUE
MADISON, WI 53713
608.261.1171
608.261.4147
www.jjr.com

State of Wisconsin
Department of Administration
Division of State Facilities



UNIVERSITY OF WISCONSIN - MADISON

CHARTER STREET HEATING PLANT REBUILD
MADISON, WI

Sheet Title: Site Lighting Photometrics

Rev	Date	Description
1	04/22/11	ISSUED FOR BIDDING
2	05/07/11	ISSUED FOR BIDDING


Graphic Scale: 1" = 15' - 0"

Sheet Number: 05A2L

Set Type: PR

Date Issued: 05/11/2011

Sheet Number: **E 102**



Know what's below.
Call before you dig.