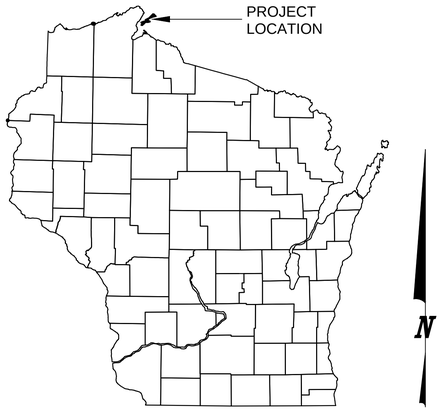


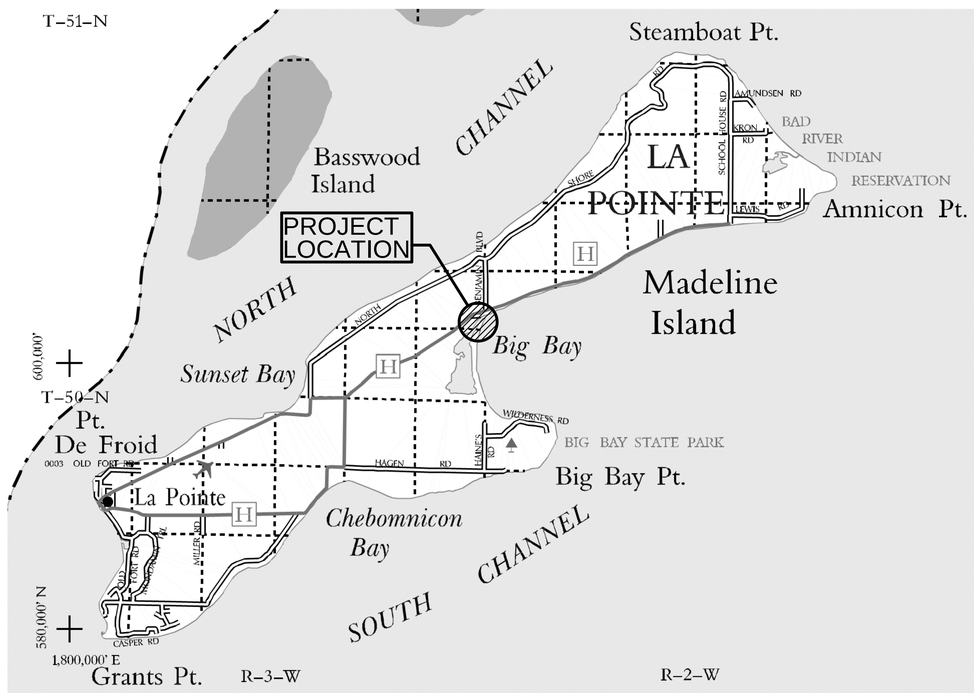
PLAN OF PROPOSED

BIG BAY TOWN PARK PHASE I IMPROVEMENTS

TOWN OF LA POINTE

MADELINE ISLAND

ASHLAND COUNTY, WISCONSIN



LOCATION MAP

1 0 1 2 3
SCALE MILES

SHEET INDEX	
SHEET NO.	SHEET NAME
G100	TITLE SHEET, SHEET INDEX & PROJECT LOCATION
C100	EXISTING SITE CONDITIONS
C101	GENERAL SITE DEMOLITION PLAN
C102	GENERAL SITE CONSTRUCTION PLAN
C103	EROSION CONTROL DETAILS
C201	DAY USE PARKING SITE LAYOUT PLAN
C202	DAY USE PARKING SITE GRADING PLAN
C203	DAY USE PARKING SITE EROSION CONTROL PLAN
C204	DAY USE PARKING SITE UTILITY PLAN
C401	WEST CAMPGROUND ANNEX LAYOUT PLAN
C402	WEST CAMPGROUND ANNEX GRADING PLAN
C403	WEST CAMPGROUND ANNEX ACCESS ROAD PROFILE
C404	WEST CAMPGROUND ANNEX EROSION CONTROL PLAN
C601	LAKESHORE TRAIL PLAN & DETAILS
A101	COMFORT STATION FLOOR PLANS
A102	COMFORT STATION EXTERIOR ELEVATIONS, SECTIONS & REFLECTED CEILING PLAN
A201	PICNIC SHELTER FLOOR PLAN AND ELEVATIONS
A301	PIT TOILET FLOOR PLAN, ELEVATIONS AND SECTION
A401	WOOD SHED FLOOR PLAN, ELEVATIONS, SECTIONS AND FOUNDATION PLAN
S101	COMFORT STATION FOUNDATION PLAN, ROOF FRAMING PLAN & DETAILS
S201	PICNIC SHELTER FOUNDATION PLAN, ROOF FRAMING PLAN & DETAILS
E100	COMFORT STATION ELECTRICAL PLAN
P200	COMFORT STATION SANITARY PLUMBING PLAN
P201	COMFORT STATION SUPPLY PLUMBING PLAN
P202	COMFORT STATION PLUMBING RISER DIAGRAMS

FINAL CONSTRUCTION DOCUMENTS

ASHLAND, WI
1100 CHAPPLE AVENUE
ASHLAND, WI 54806
PHONE: (715) 682-6004
FAX: (715) 682-6029
MILWAUKEE, WI
2110 S. 70TH STREET
SUITE 100
WEST ALLIS, WI 53219
PHONE: (414) 328-6004
FAX: (414) 328-6014
MINOCQUA, WI
1600 CORY'S DOCK LN.
MINOCQUA, WI 54548
PHONE: (715) 356-9300
FAX: (715) 356-9312
CHEQUAMEGON BAY ENGINEERING, INC.

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REVISIONS:

SUBMITTAL TYPE:	ISSUE DATE:
Schematic Design	1/13/2012
95% Design Dev.	3/14/2012
Final Design	4/05/2012
-	- - -

PROJECT NO. 11-098

DRAWING DATE: 4-05-2012

BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

TITLE SHEET, SHEET INDEX & PROJECT LOCATION

DRAWN BY: JAS

SHEET NO. G100

GRAVEL ROAD
PARKING AREA
GRAVEL SURFACE
TIMBER STAIRWAY
OHWM
EL. 603.05
R/W
C.T.R. H
ASPHALT SURFACE
R/W
GRAVEL ROAD
GRAVEL ROAD
WALKING TRAIL
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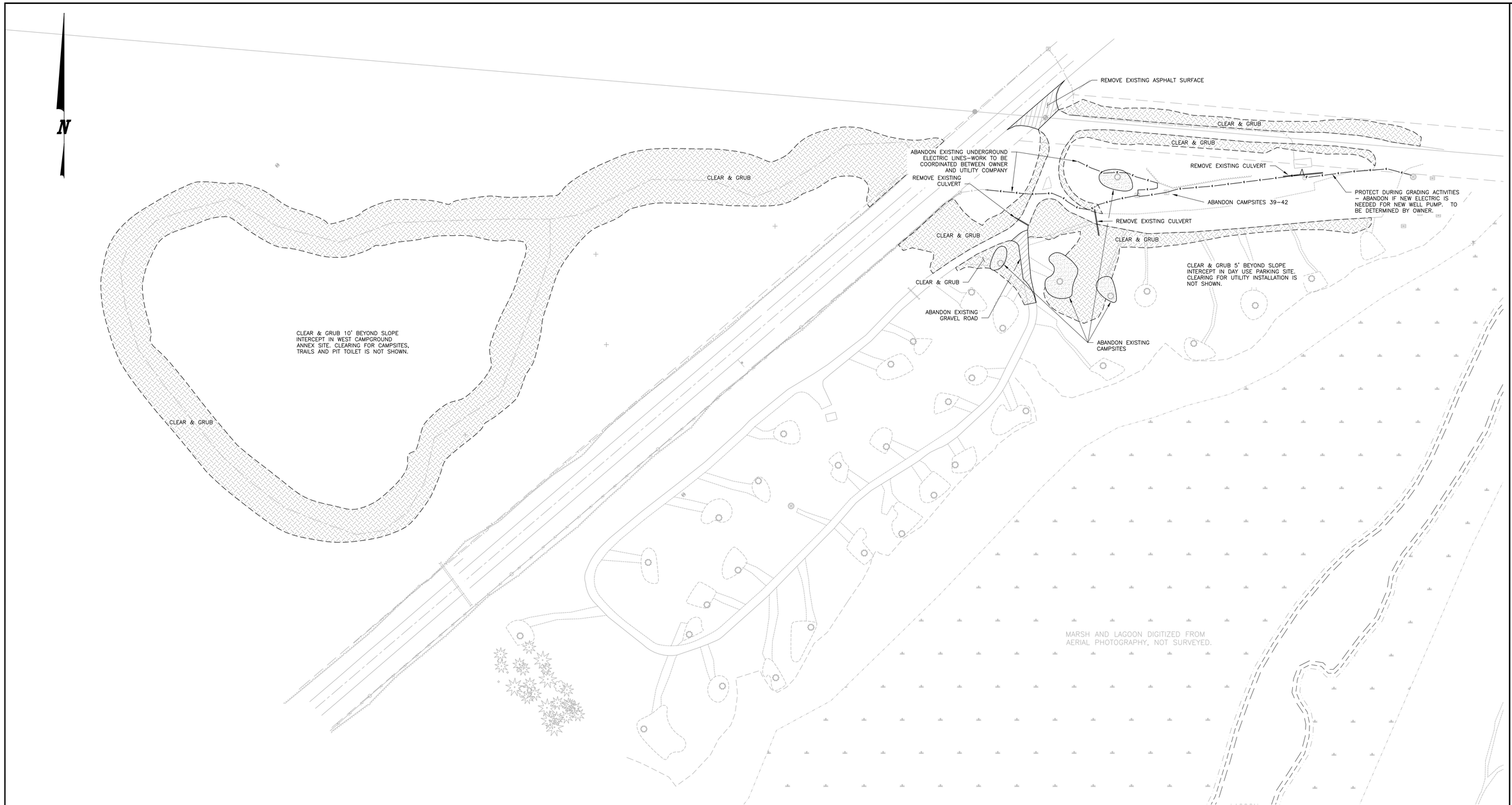

GENERAL NOTES

Perform demolition in such manner as to eliminate hazards to persons and property; to minimize interference with use of adjacent areas, utilities and structures or interruption of use of such utilities; and to provide free passage to and from such adjacent areas of structures.

Before beginning any demolition work, the Contractor shall survey the site and examine the drawings and specifications to determine the extent of the work. The contractor shall take necessary precautions to avoid damages to existing items to remain in place, to be reused, or to remain.

Debris, including brick, concrete, stone, metals and similar materials shall become property of Contractor and shall be disposed of by him daily, off the property to avoid accumulation at the demolition site. Materials that cannot be removed daily shall be stored in areas specified by the Owner. Break up concrete slabs below grade that do not require removal from present location into pieces not exceeding 600 mm (24 inches) square to permit drainage. Contractor shall dispose debris in compliance with applicable federal, state or local permits, rules and/or regulations.

Remove existing utilities as indicated or uncovered by work and terminate in a manner conforming to the nationally recognized code covering the specific utility and approved by the Owner. When Utility lines are encountered that are not indicated on the drawings, the Owner shall be notified prior to further work in that area.

Campsites to be abandoned are to be coordinated with Owner, and are as shown on the plans. Campsites to be "abandoned" will no longer service campers and any improvements are to be removed and disposed of, or reused. Reuse of materials removed from abandoned campsite areas is to be coordinated with Owner.

Roads or sections of road to be abandoned are to be coordinated with the Owner, and are as shown on the plans. Road/parking surface materials are to be removed and reused on site as directed by the Owner. Contractor is to follow the direction of the Owner for reuse of the "abandoned" or "demolished" road/parking surface material.

On completion of work of this section and after removal of all debris, leave site in clean condition satisfactory to Owner. Clean-up shall include off the disposal of all items and materials not required to remain property of the Owner as well as all debris and rubbish resulting from demolition operations.

60 0 60 120 180
SCALE FEET

FINAL CONSTRUCTION DOCUMENTS

ASHLAND, WI
715 6TH STREET WEST
ASHLAND, WI 54806
PHONE: (715) 682-6004
FAX: (715) 682-6005
MILWAUKEE, WI
333 N. MAYFAIR RD.
SUITE 115
WAUWATOSA, WI 53226
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FAX: (414) 258-8154
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1000 OAK RIDGE DR.
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REVISIONS:

SUBMITTAL TYPE:	ISSUE DATE:
Schematic Design	1/13/2012
95% Design Dev.	3/14/2012
Final Design	4/05/2012
-	---

PROJECT NO. 11-098

DRAWING DATE: 4-05-2012

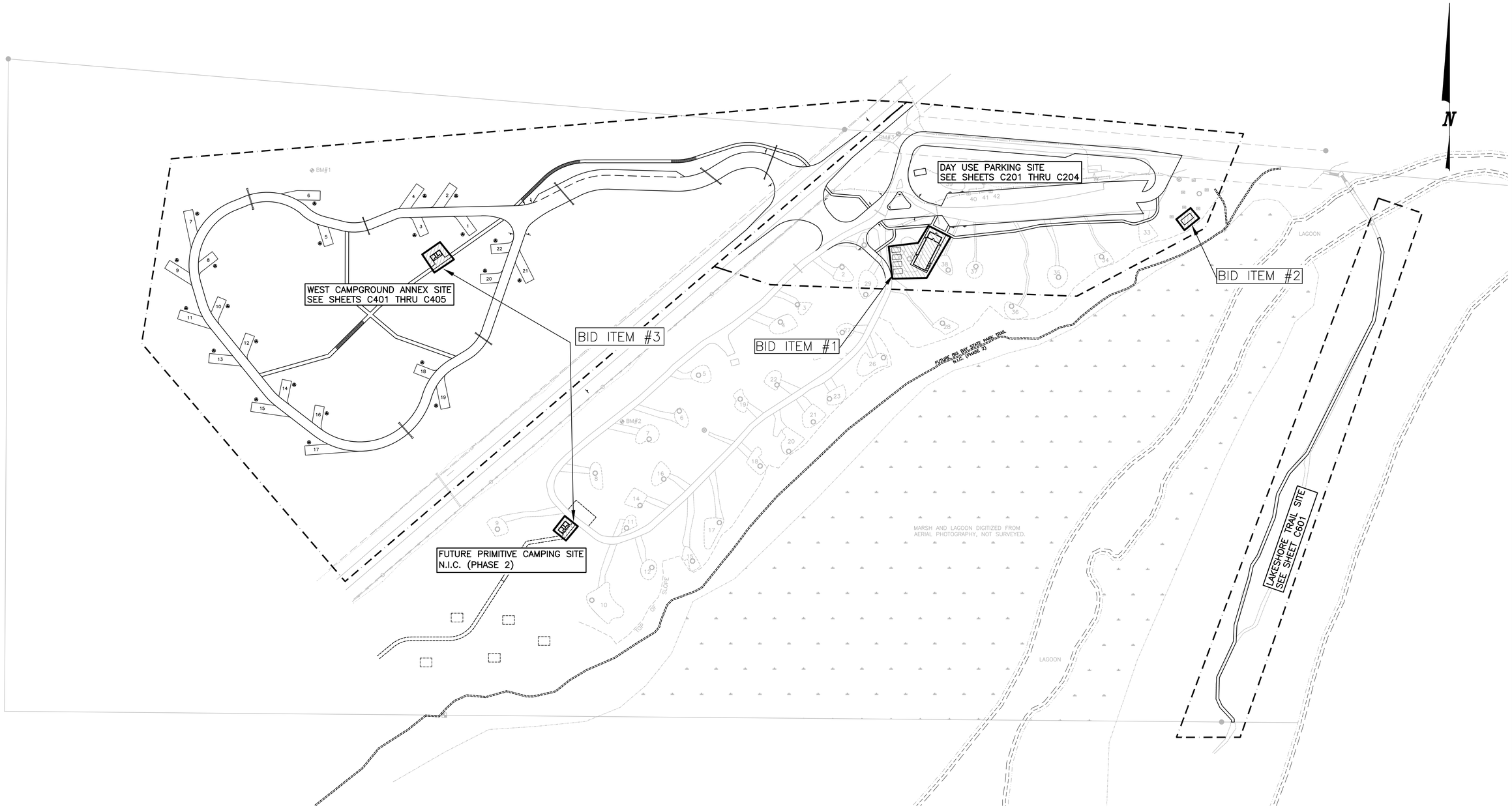
BIG BAY TOWN PARK PHASE I IMPROVEMENTS

Town of La Pointe, Madeline Island
Ashland County, Wisconsin

GENERAL SITE DEMOLITION PLAN

DRAWN BY: JAS

SHEET NO. C101



PROSPECTIVE BIDDER NOTES:

BID ITEMS (SEE HATCHED AREAS ON PLAN VIEW – ABOVE)

1. CONSTRUCT AND INSTALL COMFORT STATION (1)
2. CONSTRUCT AND INSTALL PICNIC SHELTER (1)
3. CONSTRUCT AND INSTALL PIT TOILETS (2)
4. PROVIDE ALL WORK ASSOCIATED WITH EACH IMPROVEMENT INCLUDING BUT NOT LIMITED TO; SITE UTILITIES, EARTHWORK, PLUMBING, AND ELECTRICAL WORK.

NOTE: REMAINING SITE AND UTILITY WORK IS TO BE COMPLETED BY THE OWNER. CONTRACTOR IS TO COORDINATE CONSTRUCTION OF ALL BID ITEMS WITH THE OWNER. BASE BID ITEMS ARE LIMITED TO ITEMS 1 THROUGH 4 ABOVE AND ARE DEPICTED ON THE PLAN VIEW ABOVE.

80 0 80 160 240
SCALE FEET

FINAL CONSTRUCTION DOCUMENTS

ASHLAND, WI
219 EPHRIT THE EAST
ASHLAND, WI 54806
PHONE: (715) 682-6004
FAX: (715) 682-6005
MILWAUKEE, WI
7135 W. BLUEMOUND
SUITE 159
MILWAUKEE, WI 53213
PHONE: (414) 258-6604
FAX: (414) 258-6654
MINOCQUA, WI
1603 KORY'S SOUTH
MINOCQUA, WI 54548
PHONE: (715) 356-3005
FAX: (715) 356-3006
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REVISIONS:

SUBMITTAL TYPE:	ISSUE DATE:
Schematic Design	1/13/2012
95% Design Dev.	3/14/2012
Final Design	4/05/2012
-	-

PROJECT NO. 11-098

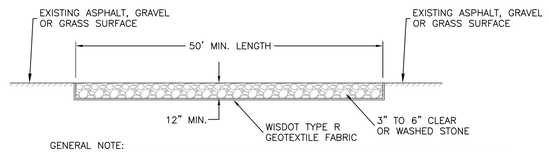
DRAWING DATE: 4-05-2012

BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

GENERAL SITE
CONSTRUCTION PLAN

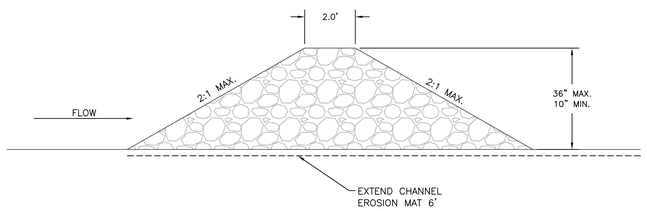
DRAWN BY: JAS

SHEET NO. C102



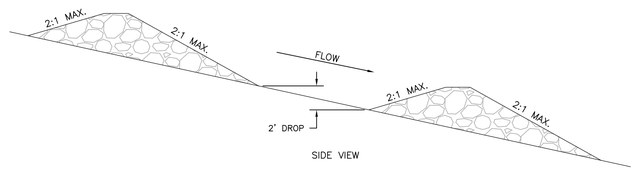
GENERAL NOTE:
STONE TRACKING PAD SHALL CONFORM TO WDNR CONSERVATION PRACTICE STANDARD #1057

TRACKING PAD DETAIL
NO SCALE



SIDE VIEW

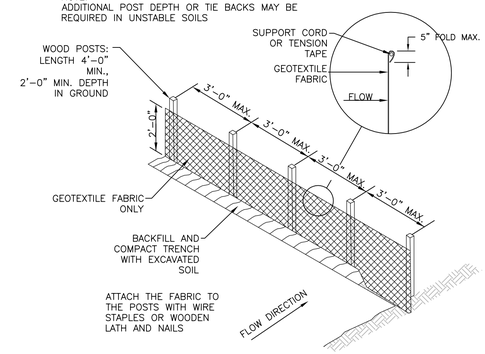
GENERAL NOTE:
DITCH CHECK SHALL CONFORM TO WDNR CONSERVATION PRACTICE STANDARD #1062



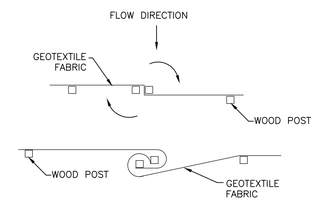
SIDE VIEW

STONE DITCH CHECK DETAILS
NO SCALE

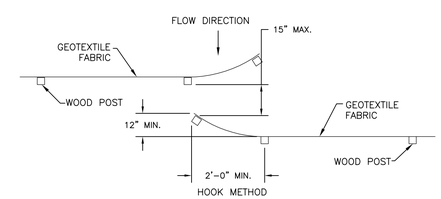
NOTE:
ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS



NOTE:
6'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE IS USED



TWIST METHOD



HOOK METHOD

GENERAL NOTE:
SILT FENCE SHALL CONFORM TO WDNR CONSERVATION PRACTICE STANDARD #1056

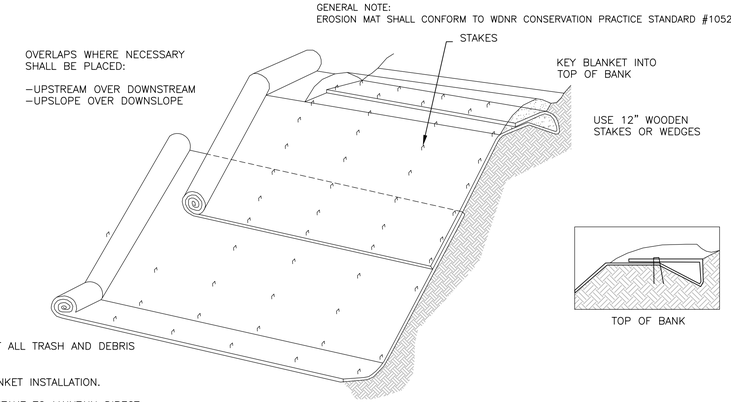
SILT FENCE INSTALLATION DETAILS
NO SCALE

KEY TOE OF SLOPE ACCORDING TO BANK TREATMENT DETAILS

GENERAL NOTE:
EROSION MAT SHALL CONFORM TO WDNR CONSERVATION PRACTICE STANDARD #1052

OVERLAPS WHERE NECESSARY SHALL BE PLACED:

-UPSTREAM OVER DOWNSTREAM
-UPSLOPE OVER DOWNSLOPE



NOTES:

GRADED AREA SHALL BE FREE OF ALL TRASH AND DEBRIS GREATER THAN 3" IN DIAMETER.

INSTALL SEED MIX PRIOR TO BLANKET INSTALLATION.

APPLY BLANKET TO SLOPE AND STAKE TO MAINTAIN DIRECT CONTACT WITH SOIL, INSTALL STAKES ON MIN. 3' SPACING.

EROSION MAT DETAILS
NO SCALE

FINAL CONSTRUCTION DOCUMENTS

ASHLAND, WI
715 EAST FIFTH STREET WEST
ASHLAND, WI 54806
PHONE: (715) 682-6004
FAX: (715) 682-6025
MILWAUKEE, WI
2135 N. PROSPECT AVE.
SUITE 100
MILWAUKEE, WI 53202
PHONE: (414) 228-6004
FAX: (414) 228-6025
MINOCQUA, WI
10 SOUTH MAPLE STREET
MINOCQUA, WI 54548
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REVISIONS:

SUBMITTAL TYPE:	ISSUE DATE:
Schematic Design	11/3/2012
95% Design Dev.	3/14/2012
Final Design	4/05/2012
-	-

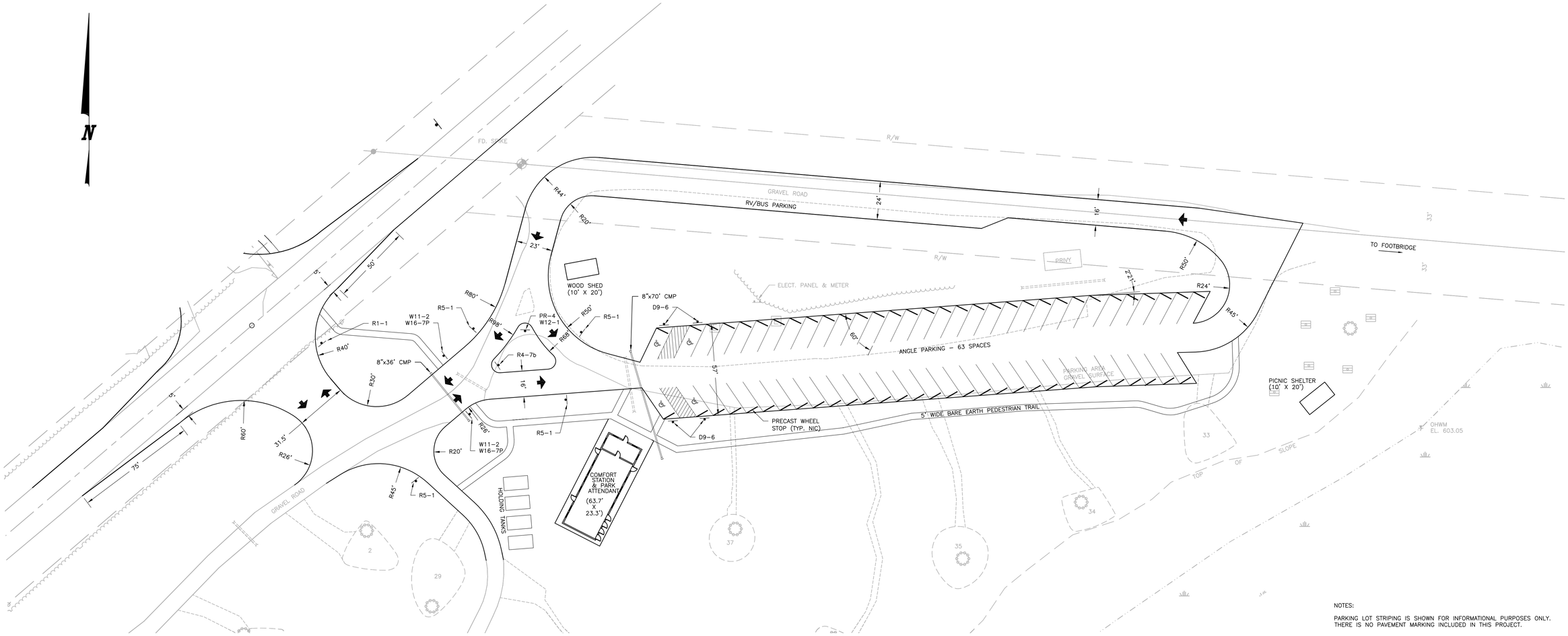
PROJECT NO. 11-098
DRAWING DATE: 4-05-2012

BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

EROSION CONTROL DETAILS

DRAWN BY: MAB

SHEET NO. C103



NOTES:

PARKING LOT STRIPING IS SHOWN FOR INFORMATIONAL PURPOSES ONLY. THERE IS NO PAVEMENT MARKING INCLUDED IN THIS PROJECT.

SIGN TABLE

SIGN	SIGN CODE	SIGN SIZE
STOP	R1-1	30"x30"
KEEP RIGHT	R4-7b	24"x30"
DO NOT ENTER	R5-1	30"x30"
EXIT	PR-4	18"x18"
	W11-2	30"x30"
	W16-7P	24"x12"
	D9-6	24"x24"
10 MPH	W13-1P	18"x18"
	W12-1	30"x30"

PROPOSED CONSTRUCTION LEGEND

- PROPOSED CULVERT
- TRAFFIC FLOW DIRECTION
- PROPOSED SIGN

30 0 30 60 90
SCALE FEET
EXISTING CONTOUR INTERVAL: 1'

FINAL CONSTRUCTION DOCUMENTS

ASHLAND, WI
715 6TH STREET WEST
ASHLAND, WI 54806
PHONE: (715) 682-6004
FAX: (715) 682-6005
MILWAUKEE, WI
531 N. MAYFAIR RD.
SUITE 100
WAUWATOSA, WI 53226
PHONE: (414) 258-0808
FAX: (414) 258-8154
MINOCQUA, WI
6125 HWY 51 NORTH
MINOCQUA, WI 54548
PHONE: (715) 356-9400
FAX: (715) 356-8719
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REVISIONS:

SUBMITTAL TYPE:	ISSUE DATE:
Schematic Design	1/13/2012
95% Design Dev.	3/14/2012
Final Design	4/05/2012
-	---

PROJECT NO. 11-098

DRAWING DATE: 4-05-2012

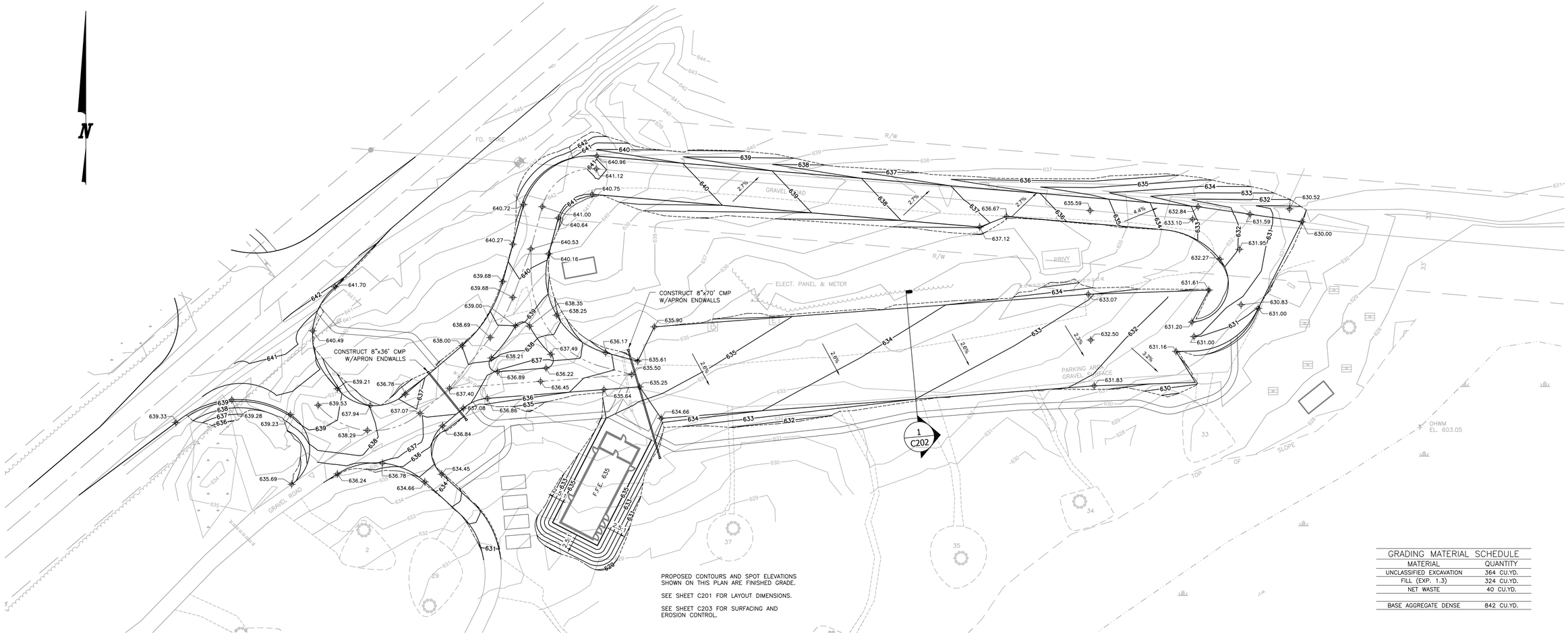
BIG BAY TOWN PARK PHASE I IMPROVEMENTS

Town of La Pointe, Madeline Island
Ashland County, Wisconsin

DAY USE PARKING SITE LAYOUT PLAN

DRAWN BY: JAS

SHEET NO. C201



GRADING MATERIAL SCHEDULE	
MATERIAL	QUANTITY
UNCLASSIFIED EXCAVATION	364 CU.YD.
FILL (EXP. 1.3)	324 CU.YD.
NET WASTE	40 CU.YD.
BASE AGGREGATE DENSE	842 CU.YD.

GENERAL NOTES:

Clearing: Clear within limits of earthwork operations as shown. Work includes removal of trees, shrubs, fences, foundations, incidental structures, paving, debris, trash, and other obstructions.

Grubbing: Remove stumps and roots 75 mm (3 inch) and larger diameter. Undisturbed sound stumps, roots up to 75 mm (3 inch) diameter, and nonperishable solid objects a minimum of 900 mm (3 feet) below subgrade or finished embankment may be left.

Trees and Shrubs: Trees and shrubs, not shown for relocation or removal, may be removed/relocated from areas within 4500 mm (15 feet) of new construction and 2250 mm (7.5 feet) of utility lines when removal or relocation is approved in advance by Owner. Remove or relocate materials at the discretion of Owner.

Grades shall conform to elevations indicated on plans within the tolerances herein specified. Generally grades shall be established to provide a smooth surface, free from irregular surface changes. Grading shall comply with compaction requirements and grade cross sections, lines, and elevations indicated. Where spot grades are indicated the grade shall be established based on interpolation of the elevations between the spot grades while maintaining appropriate transition at structures and paving and uninterrupted drainage flow into inlets.

Disposal: All materials removed from the property shall be disposed of at a legally approved site, for the specific materials, and all removals shall be in accordance with all applicable Federal, State and local regulations.

Subgrade Protection: Protect subgrades from softening, undermining, washout, or damage by rain or water accumulation. Reroute surface water runoff from excavated areas and not allow water to accumulate in excavations. Do not use excavated trenches as temporary drainage ditches. When subgrade for foundations has been disturbed by water, remove disturbed material to firm undisturbed material after water is brought under control. Replace disturbed subgrade in trenches with concrete or material approved by the Owner.

After rough grade has been established in cut areas and prior to placement of fill in fill areas under building and pavements, proofroll exposed subgrade with a fully loaded dump truck to check for pockets of soft material.
Proofrolling shall consist of at least two complete passes with one pass being in a direction perpendicular to preceding one. Remove any areas that deflect, rut, or pump excessively during proofrolling, or that fail to consolidate after successive passes to suitable soils and replaced with compacted fill. Maintain subgrade until succeeding operation has been accomplished.

Building Earthwork:
1. Excavation shall be accomplished as required by drawings and specifications.
2. Excavate foundation excavations to solid undisturbed subgrade.
3. Remove loose or soft materials to a solid bottom.
4. Fill excess cut under footings or foundations with 25 MPa (3000 psi) concrete poured separately from the footings.
5. Do not tamp earth for backfilling in footing bottoms, except as specified.
6. Slope grades to direct water away from excavations and to prevent ponding.

Trench Earthwork:
1. Utility trenches (except sanitary and storm sewer):
   a. Excavate to a width as necessary for sheeting and bracing and proper performance of the work.
   b. Grade bottom of trenches with bell holes scooped out to provide a uniform bearing.
   c. Support piping on undisturbed earth unless a mechanical support is shown.
   d. Length of open trench in advance of piping laying shall not be greater than is authorized by Owner.

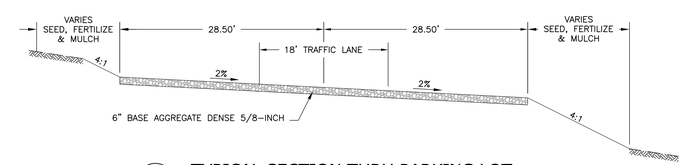
Compaction: Compact with approved tamping rollers, sheepsfoot rollers, pneumatic tired rollers, steel wheeled rollers, vibrator compactors, or other approved equipment (hand or mechanized) well suited to soil being compacted. Do not operate mechanized vibratory compaction equipment within 3000 mm (10 feet) of new or existing building walls without prior approval of Owner. Moisten or aerate material as necessary to provide moisture content that will readily facilitate obtaining specified compaction with equipment used. Compact soil to not less than the following percentages of maximum dry density, according to ASTM D698 or ASTM D1557 as specified below:
1. Fills, Embankments, and Backfill
   a. Under proposed structures, building slabs, steps, and paved areas, scarify and recompact top 300 mm (12 inches) of existing subgrade and each layer of backfill or fill material in accordance with ASTM D698 – Method A, 95 percent.
   b. Under Sidewalks, scarify and recompact top 150 mm (6 inches) below subgrade and compact each layer of backfill or fill material in accordance with ASTM D698 – Method A, 95 percent.
   c. Landscaped areas, top 400 mm (16 inches), ASTM D698 or D1557, 85 percent.
   d. Landscaped areas, below 400 mm (16 inches) of finished grade, ASTM D698 or D1557 – Method A, 90 percent.
2. Natural Ground (Cut or Existing)
   a. Under building slabs, steps and paved areas, top 150 mm (6 inches), ASTM D698 – Method A, 95 percent.

Clean Up:

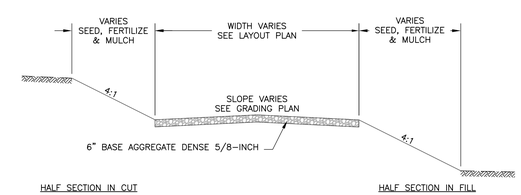
Upon completion of earthwork operations, clean areas within contract limits, remove tools, and equipment. Provide site clear, clean, free of debris, and suitable for subsequent construction operations. Remove all debris, rubbish, and excess material from Site.

Staking:

Contractor is responsible for staking building corners and constructing building in locations determined on the plans. Coordinate exact location with Owner.



1 TYPICAL SECTION THRU PARKING LOT
No Scale



TYPICAL ACCESS ROADWAY SECTION
No Scale

PROPOSED CONSTRUCTION LEGEND

- PROPOSED CULVERT
- 633 — PROPOSED FINISHED GRADE CONTOUR
- 635.90 — PROPOSED FINISHED GRADE SPOT ELEVATION
- SLOPE INTERCEPT
- SLOPE BREAK LINE

30 0 30 60 90
SCALE FEET
EXISTING AND PROPOSED CONTOUR INTERVAL: 1'

FINAL CONSTRUCTION DOCUMENTS

ASHLAND, WI
715 6TH STREET WEST
ASHLAND, WI 54806
PHONE: 715 682-6004
FAX: 715 682-6005
MILWAUKEE, WI
531 N. MAYFAIR RD.
SUITE 100
WAUWATOSA, WI 53226
PHONE: 414 536-0308
FAX: 414 536-8154
MINOCQUA, WI.
1000 SHERMAN AVE.
MINOCQUA, WI. 54548
PHONE: 715 356-6050
FAX: 715 356-6719
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REVISIONS:

SUBMITTAL TYPE:	ISSUE DATE:
Schematic Design	1/13/2012
95% Design Dev.	3/14/2012
Final Design	4/05/2012
-	---

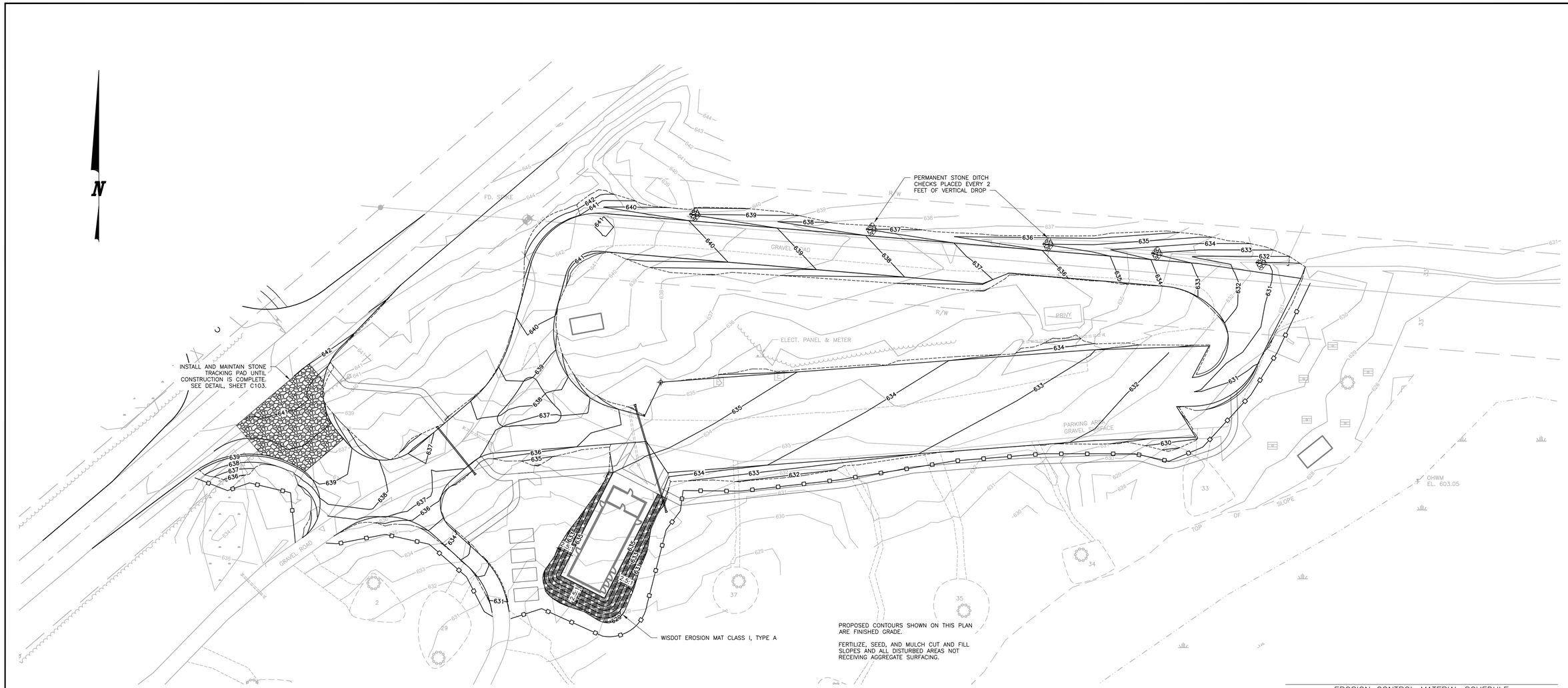
PROJECT NO. 11-098
DRAWING DATE: 4-05-2012

BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

DAY USE PARKING SITE
GRADING PLAN

DRAWN BY: JAS

SHEET NO. C202



GENERAL NOTES:

A. Protect environmental resources within the project boundaries and those affected outside the limits of permanent work during the entire period of this contract. Confine activities to areas defined by the drawings.

B. Protection of Land Resources: Prior to construction, identify all land resources to be preserved within the work area. Do not remove, cut, deface, injure, or destroy land resources including trees, shrubs, vines, grasses, top soil, and land forms without permission from the Owner. Do not fasten or attach ropes, cables, or guys to trees for anchorage unless specifically authorized, or where special emergency use is permitted.

1. Work Area Limits: Prior to any construction, mark the areas that require work to be performed under this contract. Mark or fence isolated areas within the general work area that are to be saved and protected. Protect monuments, works of art, and markers before construction operations begin. Convey to all personnel the purpose of marking and protecting all necessary objects.
2. Protection of Landscape: Protect trees, shrubs, vines, grasses, land forms, and other landscape features shown on the drawings to be preserved by marking, fencing, or using any other approved techniques.
   a. Box and protect from damage existing trees and shrubs to remain on the construction site.
   b. Immediately repair all damage to existing trees and shrubs by trimming, cleaning, and painting with antiseptic tree paint.
   c. Do not store building materials or perform construction activities closer to existing trees or shrubs than the farthest extension of their limbs.
3. Reduction of Exposure of Unprotected Erodible Soils: Plan and conduct earthwork to minimize the duration of exposure of unprotected soils. Clear areas in reasonably sized increments only as needed to use. Form earthwork to final grade as shown. Immediately protect side slopes and back slopes upon completion of rough grading.
4. Temporary Protection of Disturbed Areas: Construct diversion ditches, benches, and berms to retard and divert runoff from the construction site to protected drainage areas approved under paragraph 208 of the Clean Water Act.

Handle and dispose of solid wastes in such a manner that will prevent contamination of the environment. Place solid wastes (excluding clearing debris) in containers that are emptied on a regular schedule. Transport all solid waste off Government property and dispose of waste in compliance with Federal, State, and local requirements.

1. Store chemical waste away from the work areas in corrosion resistant containers and dispose of waste in accordance with Federal, State, and local regulations.
2. Handle discarded materials other than those included in the solid waste category as directed by the Resident Engineer.

Protection of Water Resources: Keep construction activities under surveillance, management, and control to avoid pollution of surface and ground waters and sewer systems. Implement management techniques to control water pollution by the listed construction activities that are included in this contract.

1. Washing and Curing Water: Do not allow wastewater directly derived from construction activities to enter water areas. Collect and place wastewater in retention ponds allowing the suspended material to settle, the pollutants to separate, or the water to evaporate.
2. Control movement of materials and equipment at stream crossings during construction to prevent violation of water pollution control standards of the Federal, State, or local government.
3. Monitor water areas affected by construction.

Protection of Fish and Wildlife Resources: Keep construction activities under surveillance, management, and control to minimize interference with, disturbance of, or damage to fish and wildlife. Prior to beginning construction operations, list species that require specific attention along with measures for their protection.

Restoration of Damaged Property: If any direct or indirect damage is done to public or private property resulting from any act, omission, neglect, or misconduct, the Contractor shall restore the damaged property to a condition equal to that existing before the damage at no additional cost to the Owner. Repair, rebuild, or restore property as directed or make good such damage in an acceptable manner.

Final Clean-up: On completion of project and after removal of all debris, rubbish, and temporary construction, Contractor shall leave the construction area in a clean condition satisfactory to the Owner. Cleaning shall include off the station disposal of all items and materials not required to be salvaged, as well as all debris and rubbish resulting from demolition and new work operations.

EROSION CONTROL MATERIAL SCHEDULE

MATERIAL	TYPE	QUANTITY
EROSION MAT	WISDOT CLASS I, TYPE A	214 SQ.YD.
SILT FENCE	--	855 LIN.FT.
TRACKING PAD	3"-6" CLEAR OR WASHED STONE	89 CU.YD.
GEOTEXTILE	WISDOT TYPE R	267 SQ.YD.
SALVAGED TOPSOIL	--	1,638 SQ.YD.
SEEDING	WISDOT TYPE 70	6 LB.
FERTILIZER	WISDOT TYPE A	1 CWT.
MULCH	--	1,242 SQ.YD.
STONE DITCH CHECKS	D50=3 BREAKER RUN	8 CU.YD.

PROPOSED CONSTRUCTION LEGEND

- PROPOSED CULVERT
- 633 PROPOSED FINISHED GRADE CONTOUR
- SLOPE INTERCEPT
- PROPOSED SILT FENCE
- PROPOSED PERMANENT STONE DITCH CHECK

30 0 30 60 90
SCALE FEET
EXISTING AND PROPOSED CONTOUR INTERVAL: 1'

FINAL CONSTRUCTION DOCUMENTS

ASHLAND, WI
715 6TH STREET WEST
ASHLAND, WI 54806
PHONE: 715 682-6004
FAX: 715 682-6005
MILWAUKEE, WI
531 N. MAYFAIR RD.
SUITE 100
WAUWATOSA, WI 53226
PHONE: 414 258-0308
FAX: 414 258-8154
MINOCQUA, WI
10 SOUTH SECOND AVE.
MINOCQUA, WI 54548
PHONE: 715 356-9400
FAX: 715 356-8719
CHEQUAMEGON BAY ENGINEERING, INC.

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REVISIONS:

SUBMITTAL TYPE:	ISSUE DATE:
Schematic Design	1/13/2012
95% Design Dev.	3/14/2012
Final Design	4/05/2012
-	---

PROJECT NO. 11-098

DRAWING DATE: 4-05-2012

BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

DAY USE PARKING SITE
EROSION CONTROL PLAN

DRAWN BY: JAS

SHEET NO. C203

WATER UTILITY GENERAL NOTES:

DESCRIPTION:

Underground water distribution system complete, ready for operation, including all appurtenant structures, and connections to both new building service lines and to existing water supply.

PVC Pipe and Accessories Smaller than 100 mm (4 inches): Schedule 8040, meeting the requirements of ASTM D-1785, Type 1, Grade 1. All exposed piping shall be CPVC meeting requirements of ASTM F441.

Fittings for Schedule 40 Pipe less than 75 mm (3 inches) in Diameter: Threaded or solvent weld. Threaded PVC fittings shall conform to ASTM D2464. CPVC fittings shall conform to ASTM F437 for threaded fittings and ASTM F439 for solvent weld fittings.

PVC piping shall be installed in strict accordance with the manufacturer's instructions and AWWA 605. Place selected material and thoroughly compacted to one foot above the top of the pipe and thereafter back filled.

Copper Tracer Wire: Copper tracer wire consisting of No. 14 AWG solid, single conductor, insulated copper wire shall be installed in the trench with all piping to permit location of the pipe with electronic detectors. The wire shall not be spiraled around the pipe nor taped to the pipe. Wire connections are to be made by stripping the insulation from the wire and soldering with rosin core solder. Solder joints shall be wrapped with rubber tape and electrical tape. At least every 300 m (1000 feet), provide a 2.3 kg (5 pound) magnesium anode attached to the main tracer wire by solder. The solder joint shall be wrapped with rubber tape and with electrical tape. An anode shall be attached at the end of each line.

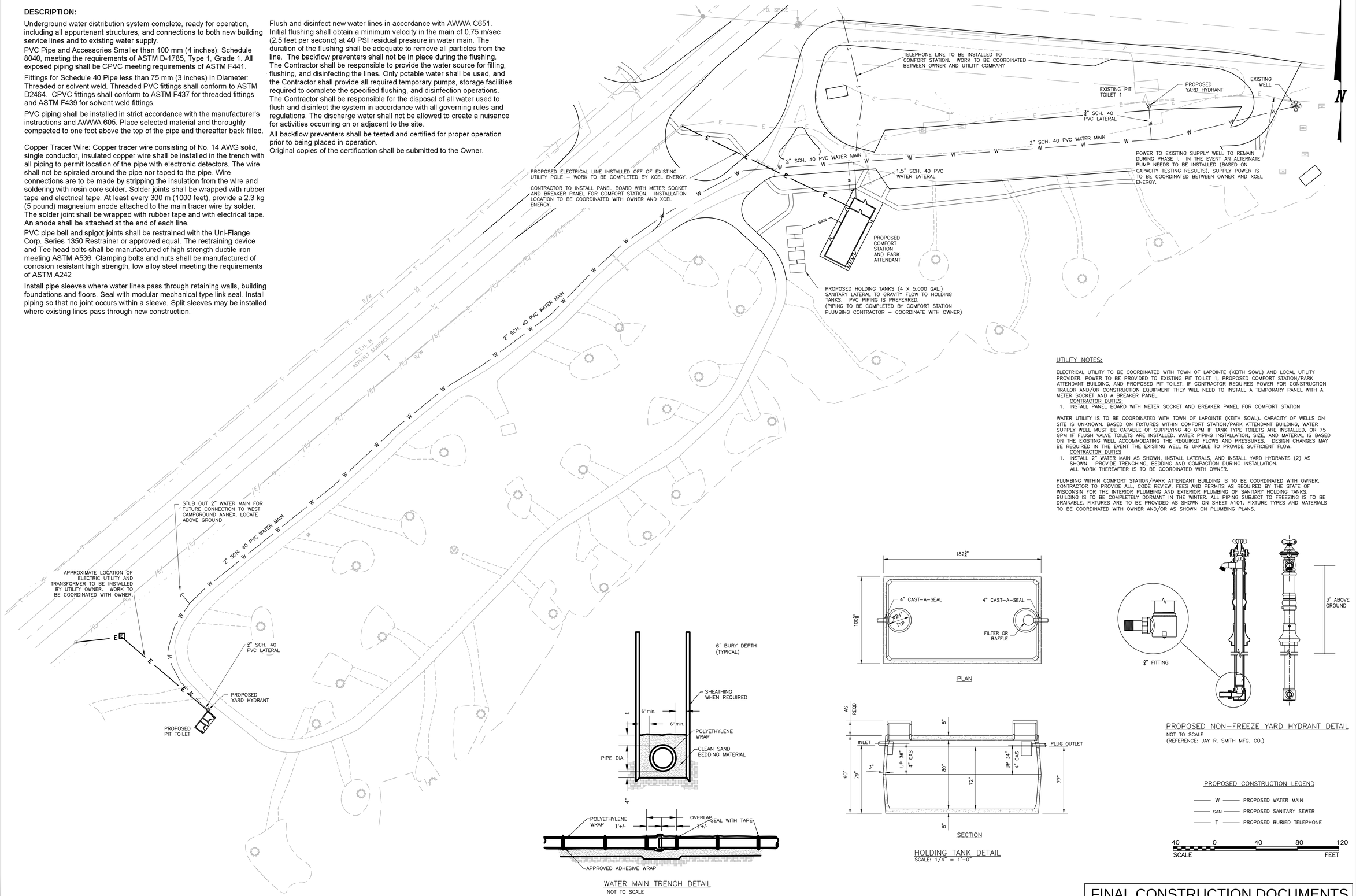
PVC pipe bell and spigot joints shall be restrained with the Uni-Flange Corp. Series 1350 Restrainer or approved equal. The restraining device and Tee head bolts shall be manufactured of high strength ductile iron meeting ASTM A536. Clamping bolts and nuts shall be manufactured of corrosion resistant high strength, low alloy steel meeting the requirements of ASTM A242

Install pipe sleeves where water lines pass through retaining walls, building foundations and floors. Seal with modular mechanical type link seal. Install piping so that no joint occurs within a sleeve. Split sleeves may be installed where existing lines pass through new construction.

Flush and disinfect new water lines in accordance with AWWA C651. Initial flushing shall obtain a minimum velocity in the main of 0.75 m/sec (2.5 feet per second) at 40 PSI residual pressure in water main. The duration of the flushing shall be adequate to remove all particles from the line. The backflow preventers shall not be in place during the flushing. The Contractor shall be responsible to provide the water source for filling, flushing, and disinfecting the lines. Only potable water shall be used, and the Contractor shall provide all required temporary pumps, storage facilities required to complete the specified flushing, and disinfection operations. The Contractor shall be responsible for the disposal of all water used to flush and disinfect the system in accordance with all governing rules and regulations. The discharge water shall not be allowed to create a nuisance for activities occurring on or adjacent to the site.

All backflow preventers shall be tested and certified for proper operation prior to being placed in operation.

Original copies of the certification shall be submitted to the Owner.



WATER MAIN TRENCH DETAIL
NOT TO SCALE

HOLDING TANK DETAIL
SCALE: 1/4" = 1'-0"

PROPOSED NON-FREEZE YARD HYDRANT DETAIL
NOT TO SCALE
(REFERENCE: JAY R. SMITH MFG. CO.)

PROPOSED CONSTRUCTION LEGEND

- W — PROPOSED WATER MAIN
- SAN — PROPOSED SANITARY SEWER
- T — PROPOSED BURIED TELEPHONE

40 0 40 80 120
SCALE FEET

UTILITY NOTES:

ELECTRICAL UTILITY TO BE COORDINATED WITH TOWN OF LAPOINTE (KEITH SOWL) AND LOCAL UTILITY PROVIDER. POWER TO BE PROVIDED TO EXISTING PIT TOILET 1, PROPOSED COMFORT STATION/PARK ATTENDANT BUILDING, AND PROPOSED PIT TOILET. IF CONTRACTOR REQUIRES POWER FOR CONSTRUCTION TRAILOR AND/OR CONSTRUCTION EQUIPMENT THEY WILL NEED TO INSTALL A TEMPORARY PANEL WITH A METER SOCKET AND A BREAKER PANEL.

CONTRACTOR DUTIES:

1. INSTALL PANEL BOARD WITH METER SOCKET AND BREAKER PANEL FOR COMFORT STATION

WATER UTILITY IS TO BE COORDINATED WITH TOWN OF LAPOINTE (KEITH SOWL). CAPACITY OF WELLS ON SITE IS UNKNOWN. BASED ON FIXTURES WITHIN COMFORT STATION/PARK ATTENDANT BUILDING, WATER SUPPLY WELL MUST BE CAPABLE OF SUPPLYING 40 GPM IF TANK TYPE TOILETS ARE INSTALLED, OR 75 GPM IF FLUSH VALVE TOILETS ARE INSTALLED. WATER PIPING INSTALLATION, SIZE, AND MATERIAL IS BASED ON THE EXISTING WELL ACCOMMODATING THE REQUIRED FLOWS AND PRESSURES. DESIGN CHANGES MAY BE REQUIRED IN THE EVENT THE EXISTING WELL IS UNABLE TO PROVIDE SUFFICIENT FLOW.

CONTRACTOR DUTIES

1. INSTALL 2" WATER MAIN AS SHOWN, INSTALL LATERALS, AND INSTALL YARD HYDRANTS (2) AS SHOWN. PROVIDE TRENCHING, BEDDING AND COMPACTION DURING INSTALLATION. ALL WORK THEREAFTER IS TO BE COORDINATED WITH OWNER.

PLUMBING WITHIN COMFORT STATION/PARK ATTENDANT BUILDING IS TO BE COORDINATED WITH OWNER. CONTRACTOR TO PROVIDE ALL, CODE REVIEW, FEES AND PERMITS AS REQUIRED BY THE STATE OF WISCONSIN FOR THE INTERIOR PLUMBING AND EXTERIOR PLUMBING OF SANITARY HOLDING TANKS. BUILDING IS TO BE COMPLETELY DORMANT IN THE WINTER. ALL PIPING SUBJECT TO FREEZING IS TO BE DRAINABLE. FIXTURES ARE TO BE PROVIDED AS SHOWN ON SHEET A101. FIXTURE TYPES AND MATERIALS TO BE COORDINATED WITH OWNER AND/OR AS SHOWN ON PLUMBING PLANS.

FINAL CONSTRUCTION DOCUMENTS

ASHLAND, WI
715 EAST SECOND STREET
ASHLAND, WI. 54806
PHONE: (715) 682-6004
FAX: (715) 682-6025
MILWAUKEE, WI
1110 N. PROSPECT AVE.
SUITE 109
MILWAUKEE, WI. 53202
PHONE: (414) 226-5004
FAX: (414) 226-5034
MINOCQUA, WI.
6 EAST MCKINLEY
MINOCQUA, WI. 54548
PHONE: (715) 356-3700
FAX: (715) 356-3750
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REVISIONS:

SUBMITTAL TYPE:	ISSUE DATE:
Schematic Design	1/13/2012
95% Design Dev.	3/14/2012
Final Design	3/28/2012
	-

PROJECT NO. 11-098

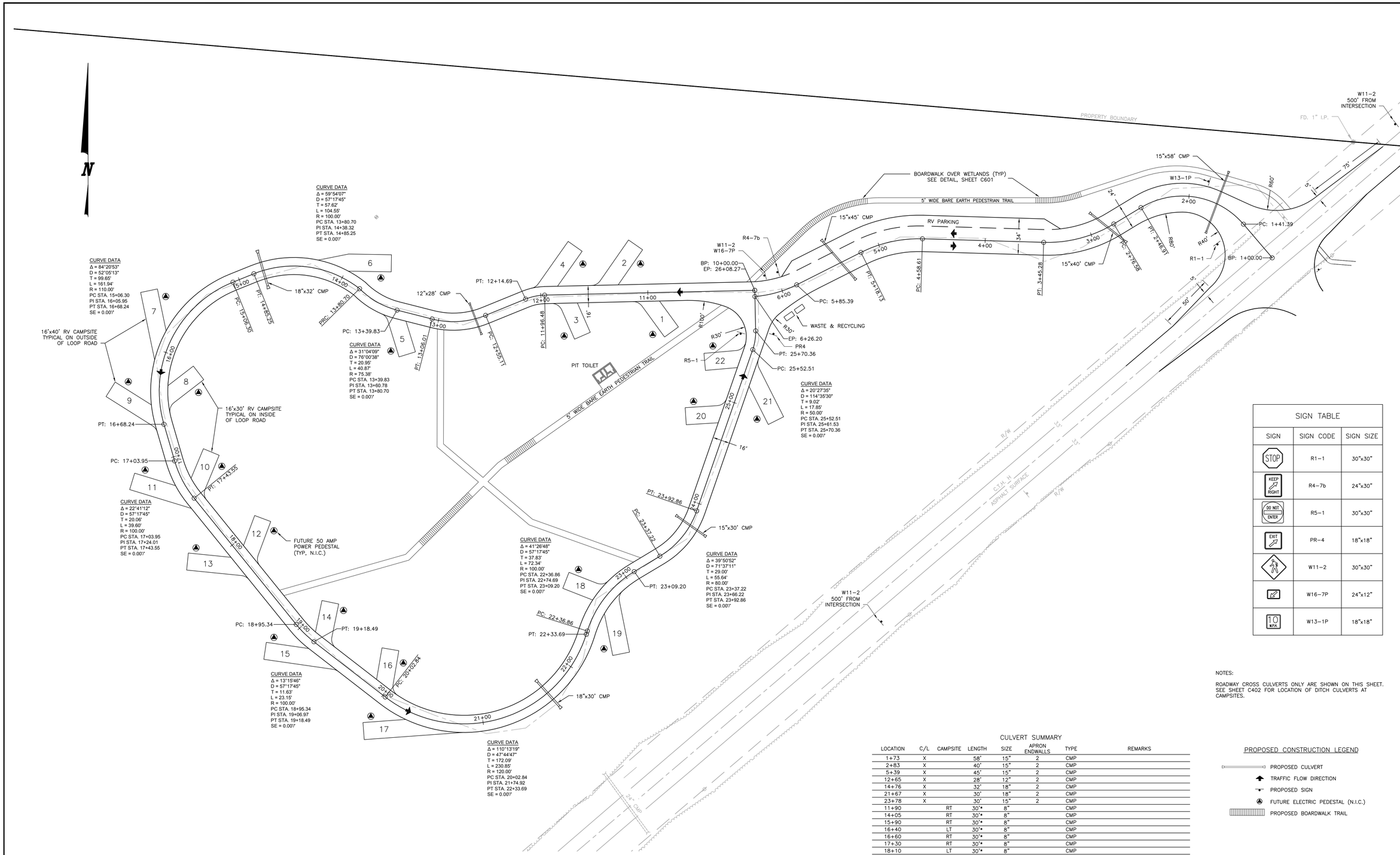
DRAWING DATE: 3-28-2012

BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

DAY USE PARKING SITE
UTILITY PLAN

DRAWN BY: JAS

SHEET NO. C204



SIGN TABLE

SIGN	SIGN CODE	SIGN SIZE
STOP	R1-1	30"x30"
KEEP RIGHT	R4-7b	24"x30"
DO NOT ENTER	R5-1	30"x30"
EXIT	PR-4	18"x18"
	W11-2	30"x30"
	W16-7P	24"x12"
10 MPH	W13-1P	18"x18"

NOTES:

ROADWAY CROSS CULVERTS ONLY ARE SHOWN ON THIS SHEET. SEE SHEET C402 FOR LOCATION OF DITCH CULVERTS AT CAMPSITES.

CULVERT SUMMARY

LOCATION	C/L	CAMPSITE	LENGTH	SIZE	APRON ENDWALLS	TYPE	REMARKS
1+73	X		58'	15"	2	CMP	
2+83	X		40'	15"	2	CMP	
5+39	X		45'	15"	2	CMP	
12+65	X		28'	12"	2	CMP	
14+76	X		32'	18"	2	CMP	
21+67	X		30'	18"	2	CMP	
23+78	X		30'	15"	2	CMP	
11+90		RT	30'*	8"		CMP	
14+05		RT	30'*	8"		CMP	
15+90		RT	30'*	8"		CMP	
16+40		LT	30'*	8"		CMP	
16+60		RT	30'*	8"		CMP	
17+30		RT	30'*	8"		CMP	
18+10		LT	30'*	8"		CMP	
18+15		RT	30'*	8"		CMP	
19+20		LT	30'*	8"		CMP	
19+30		RT	30'*	8"		CMP	
19+90		LT	30'*	8"		CMP	
20+30		RT	30'*	8"		CMP	
24+85		LT	30'*	8"		CMP	
25+40		LT	30'*	8"		CMP	

* CAMPSITE CULVERT LENGTHS ARE APPROXIMATE.

PROPOSED CONSTRUCTION LEGEND

- PROPOSED CULVERT
- TRAFFIC FLOW DIRECTION
- PROPOSED SIGN
- FUTURE ELECTRIC PEDESTAL (N.I.C.)
- PROPOSED BOARDWALK TRAIL

40 0 40 80 120
SCALE FEET

FINAL CONSTRUCTION DOCUMENTS

ASHLAND, WI
715 6TH STREET WEST
ASHLAND, WI 54806
PHONE: (715) 682-6004
FAX: (715) 682-6005
MILWAUKEE, WI
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FAX: (414) 258-8154
MINOCQUA, WI
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FAX: (715) 356-9779

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REVISIONS:

SUBMITTAL TYPE:	ISSUE DATE:
Schematic Design	1/13/2012
95% Design Dev.	3/14/2012
Final Design	4/05/2012
-	---

PROJECT NO. 11-098

DRAWING DATE: 4-05-2012

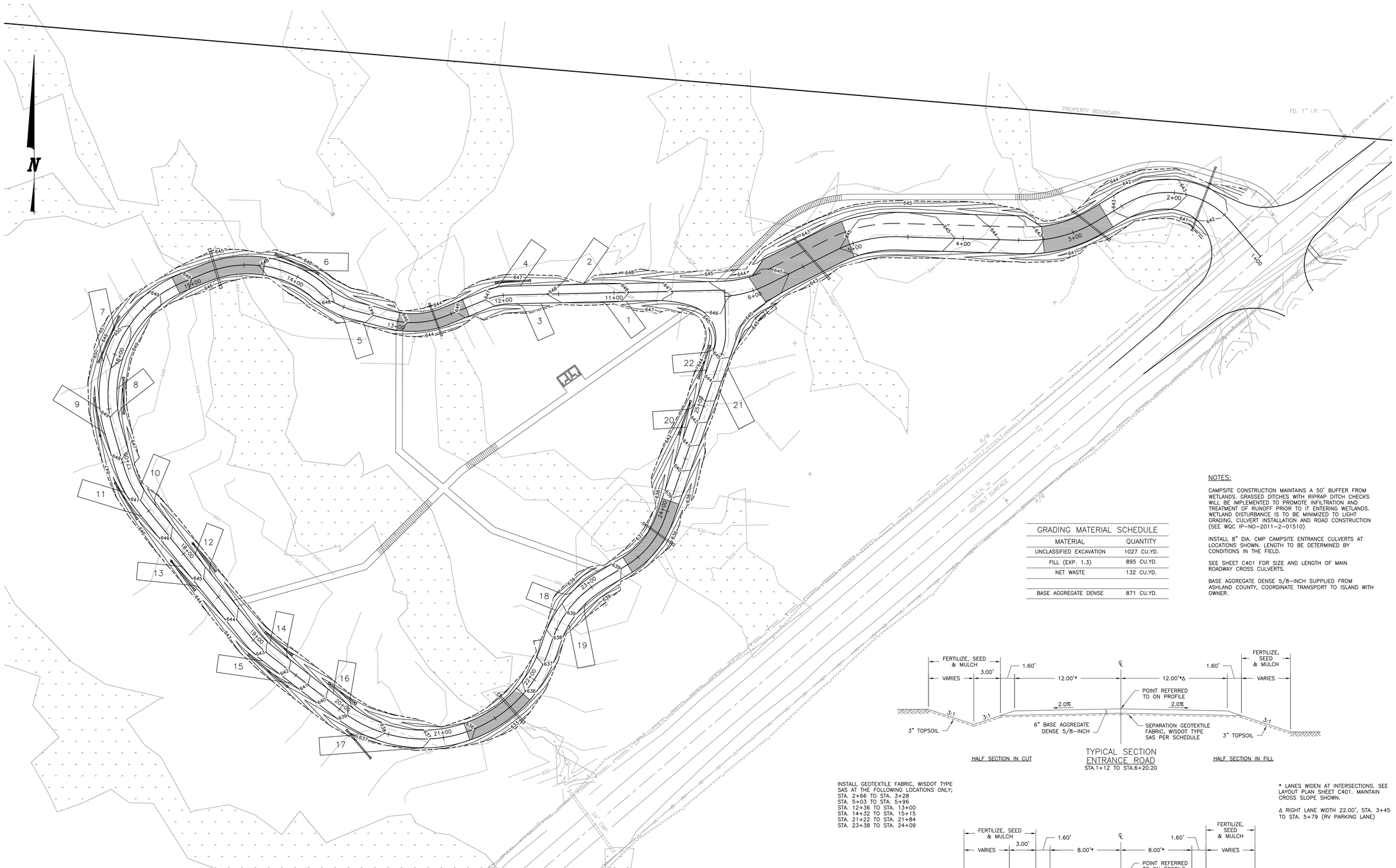
BIG BAY TOWN PARK PHASE I IMPROVEMENTS

Town of La Pointe, Madeline Island
Ashland County, Wisconsin

WEST CAMPGROUND ANNEX LAYOUT PLAN

DRAWN BY: JAS

SHEET NO. C401



NOTES:

CAMPSITE CONSTRUCTION MAINTAINS A 50' BUFFER FROM WETLANDS. GRASSED DITCHES WITH RIPRAP DITCH CHECKS WILL BE IMPLEMENTED TO PROMOTE INFILTRATION AND TREATMENT OF RUNOFF PRIOR TO IT ENTERING WETLANDS. WETLAND DISTURBANCE IS TO BE MINIMIZED TO LIGHT GRADING, CULVERT INSTALLATION AND ROAD CONSTRUCTION (SEE WQC IP-NO-2011-2-01510)

INSTALL 8" DIA. CMP CAMPSITE ENTRANCE CULVERTS AT LOCATIONS SHOWN. LENGTH TO BE DETERMINED BY CONDITIONS IN THE FIELD.

SEE SHEET C401 FOR SIZE AND LENGTH OF MAIN ROADWAY CROSS CULVERTS.

BASE AGGREGATE DENSE 5/8-INCH SUPPLIED FROM ASHLAND COUNTY, COORDINATE TRANSPORT TO ISLAND WITH OWNER.

GRADING MATERIAL SCHEDULE

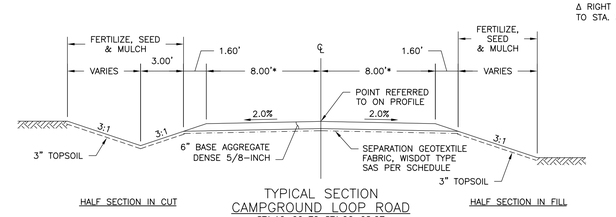
MATERIAL	QUANTITY
UNCLASSIFIED EXCAVATION	1027 CU.YD.
FILL (EXP. 1.3)	895 CU.YD.
NET WASTE	132 CU.YD.
BASE AGGREGATE DENSE	871 CU.YD.

TYPICAL SECTION
ENTRANCE ROAD
STA.1+12 TO STA.6+20.20

INSTALL GEOTEXTILE FABRIC, WISDOT TYPE SAS AT THE FOLLOWING LOCATIONS ONLY;
STA. 2+66 TO STA. 3+28
STA. 5+03 TO STA. 5+96
STA. 12+36 TO STA. 13+00
STA. 14+32 TO STA. 15+15
STA. 21+22 TO STA. 21+84
STA. 23+38 TO STA. 24+09

* LANES WIDEN AT INTERSECTIONS. SEE LAYOUT PLAN SHEET C401. MAINTAIN CROSS SLOPE SHOWN.

Δ RIGHT LANE WIDTH 22.00', STA. 3+45 TO STA. 5+79 (RV PARKING LANE)



TYPICAL SECTION
CAMPGROUND LOOP ROAD
STA.10+00 TO STA.26+08.27

40 0 40 80 120
SCALE FEET

EXISTING CONTOUR INTERVAL: 2'
PROPOSED CONTOUR INTERVAL: 1'

PROPOSED CONSTRUCTION LEGEND

- PROPOSED CULVERT
- 640 PROPOSED FINISHED GRADE CONTOUR
- SLOPE INTERCEPT
- PROPOSED WOVEN GEOTEXTILE SEPARATION FABRIC, WISDOT TYPE SAS (SUBGRADE AGGREGATE SEPARATION), SECTION 645

FINAL CONSTRUCTION DOCUMENTS

ASHLAND, WI
715 6TH STREET WEST
ASHLAND, WI 54806
PHONE: (715) 682-6004
FAX: (715) 682-6005
MILWAUKEE, WI
333 N. MAYFAIR RD.
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WAUWATOSA, WI 53226
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REVISIONS:

SUBMITTAL TYPE:	ISSUE DATE:
Schematic Design	1/13/2012
95% Design Dev.	3/14/2012
Final Design	4/05/2012
-	---

PROJECT NO. 11-098
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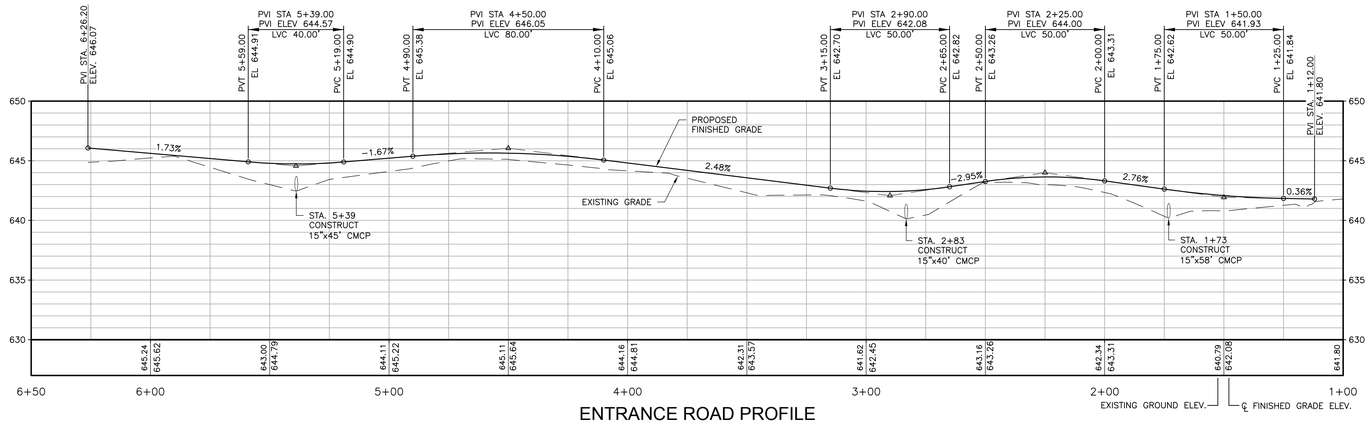
BIG BAY TOWN PARK PHASE I IMPROVEMENTS

Town of La Pointe, Madeline Island
Ashland County, Wisconsin

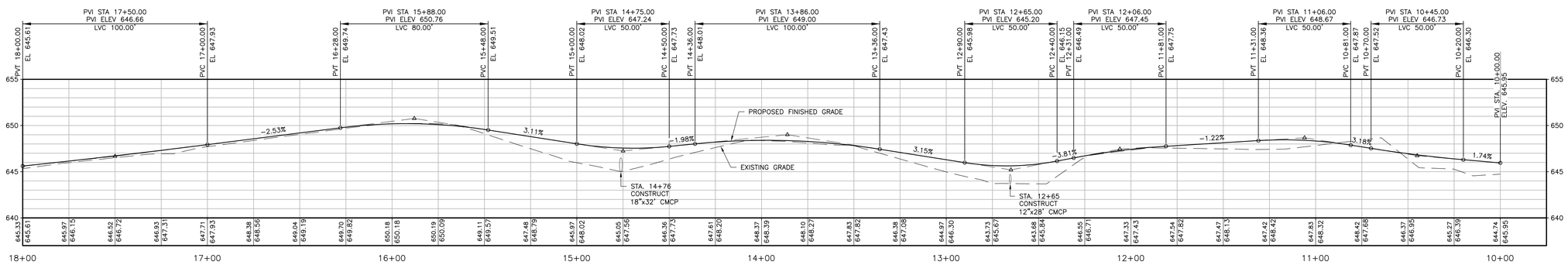
WEST CAMPGROUND ANNEX GRADING PLAN

DRAWN BY: JAS

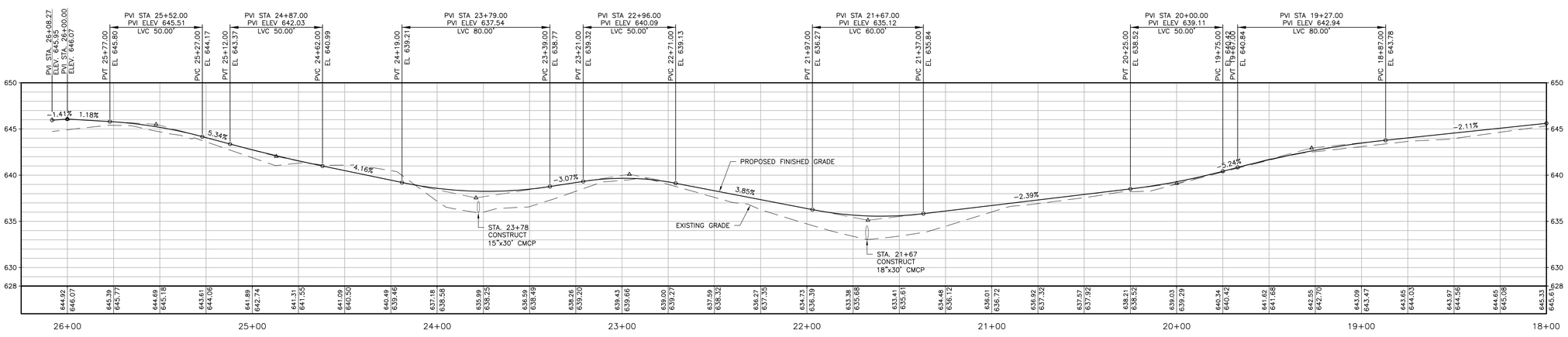
SHEET NO. C402



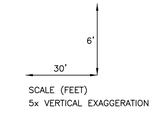
ENTRANCE ROAD PROFILE



CAMPGROUND LOOP ROAD PROFILE



CAMPGROUND LOOP ROAD PROFILE



SCALE (FEET)
5x VERTICAL EXAGGERATION

ASHLAND, WI
21 5TH STREET WEST
ASHLAND, WI 54806
PHONE: (715) 682-6003
FAX: (715) 682-6005
MILWAUKEE, WI
331 N. MAYFAIR RD.
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WAUWATOSA, WI 53226
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FAX: (414) 258-8154
MINOCQUA, WI
1106 MEADOW LANE
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FAX: (715) 356-9719

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REVISIONS:

SUBMITTAL TYPE:	ISSUE DATE:
Schematic Design	1/13/2012
95% Design Dev.	3/14/2012
Final Design	4/05/2012
-	-

PROJECT NO. 11-098

DRAWING DATE: 4-05-2012

BIG BAY TOWN PARK PHASE I IMPROVEMENTS

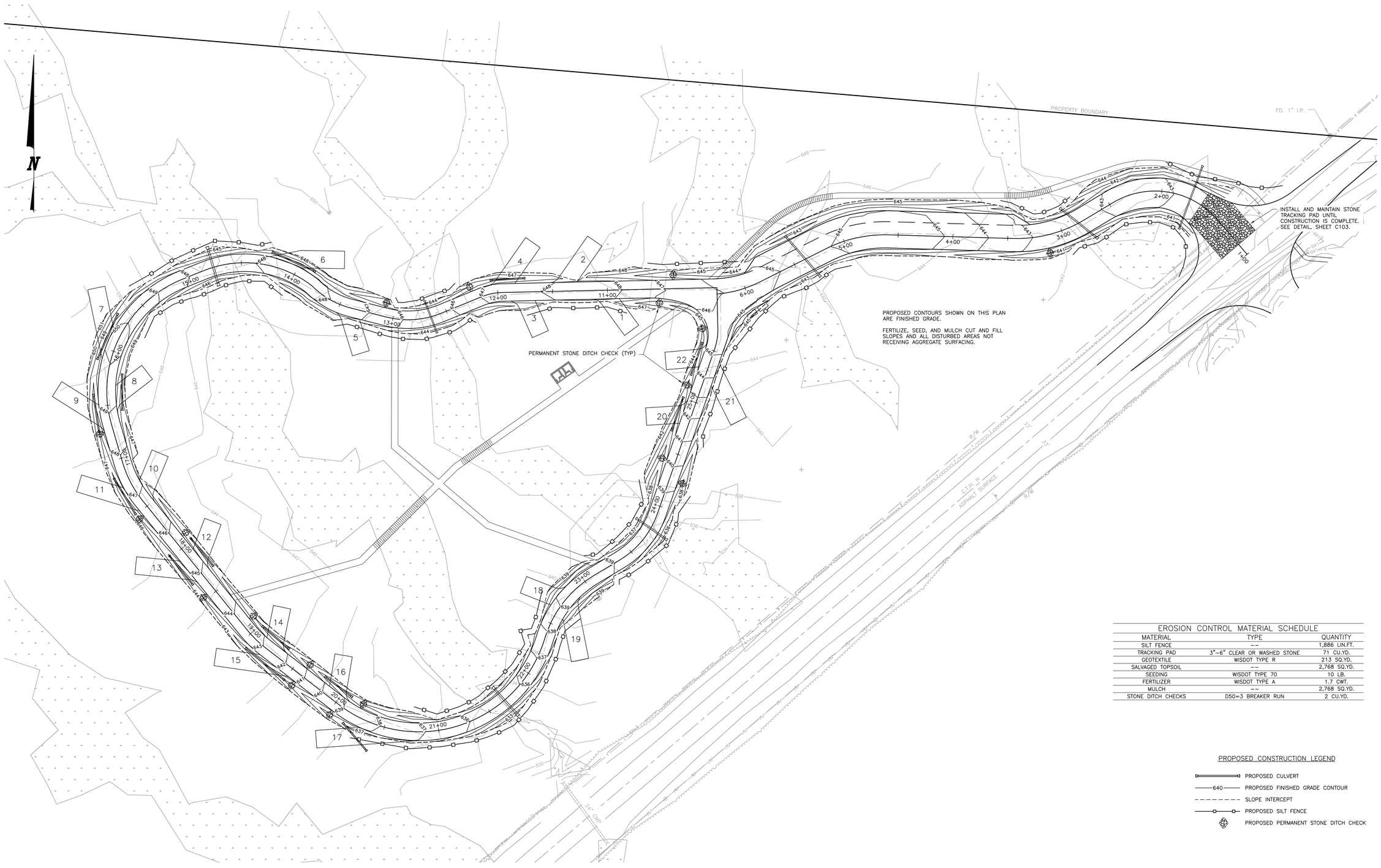
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

WEST CAMPGROUND ANNEX ACCESS ROAD PROFILE

DRAWN BY: JAS

SHEET NO. C403

FINAL CONSTRUCTION DOCUMENTS



EROSION CONTROL MATERIAL SCHEDULE		
MATERIAL	TYPE	QUANTITY
SILT FENCE	--	1,886 LIN.FT.
TRACKING PAD	3"-6" CLEAR OR WASHED STONE	71 CU.YD.
GEOTEXTILE	WISDOT TYPE R	213 SQ.YD.
SALVAGED TOPSOIL	--	2,768 SQ.YD.
SEEDING	WISDOT TYPE 70	10 LB.
FERTILIZER	WISDOT TYPE A	1.7 CWT.
MULCH	--	2,768 SQ.YD.
STONE DITCH CHECKS	D50=3 BREAKER RUN	2 CU.YD.

PROPOSED CONSTRUCTION LEGEND

- PROPOSED CULVERT
- 640 PROPOSED FINISHED GRADE CONTOUR
- SLOPE INTERCEPT
- PROPOSED SILT FENCE
- PROPOSED PERMANENT STONE DITCH CHECK

40 0 40 80 120
SCALE FEET

EXISTING CONTOUR INTERVAL: 2'
PROPOSED CONTOUR INTERVAL: 1'

FINAL CONSTRUCTION DOCUMENTS

ASHLAND, WI
715 6TH STREET WEST
ASHLAND, WI 54806
PHONE: 715 682-6000
FAX: 715 682-6005
MILWAUKEE, WI
531 N. MAYFAIR RD.
SUITE 100
WAUWATOSA, WI 53226
PHONE: 414 258-0008
FAX: 414 258-8154
MINOCQUA, WI
1000 SHERMAN AVE.
MINOCQUA, WI 54548
PHONE: 715 356-5000
FAX: 715 356-8719
CHEQUAMEGON BAY ENGINEERING, INC.

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REVISIONS:

SUBMITTAL TYPE:	ISSUE DATE:
Schematic Design	1/13/2012
95% Design Dev.	3/14/2012
Final Design	4/05/2012
-	---

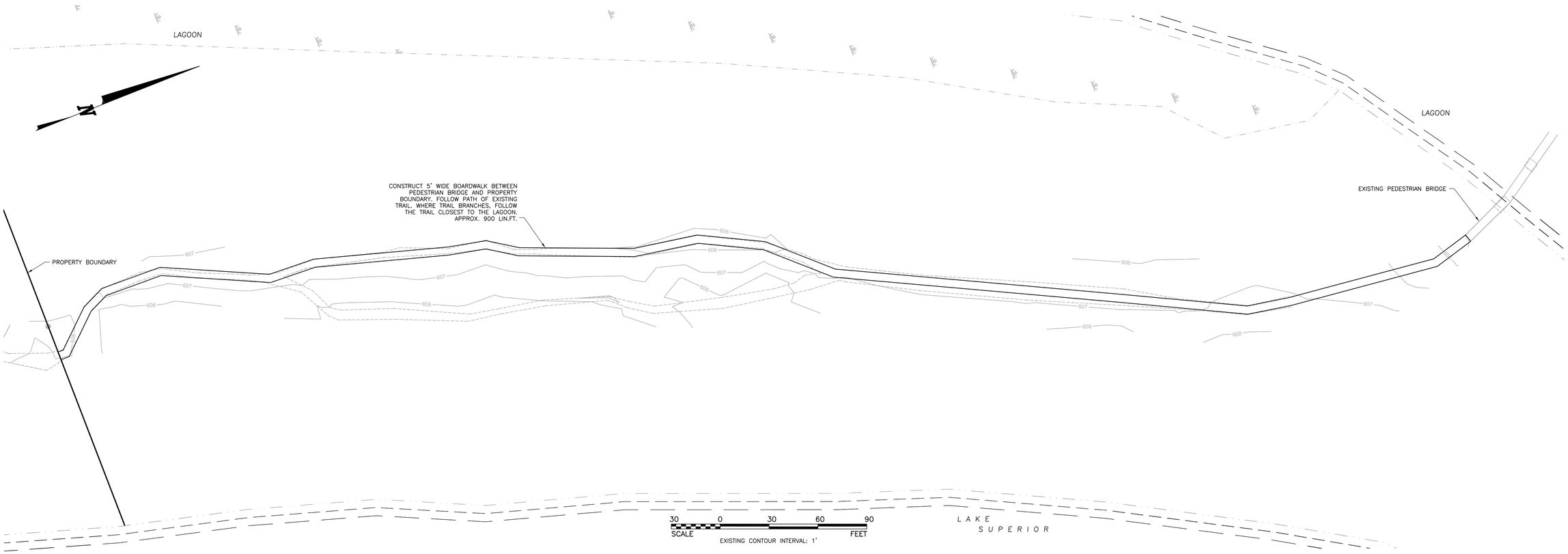
PROJECT NO. 11-098
DRAWING DATE: 4-05-2012

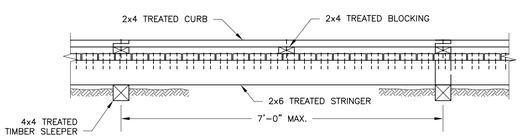
BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

WEST CAMPGROUND ANNEX
EROSION CONTROL PLAN

DRAWN BY: JAS

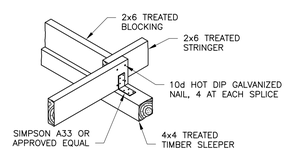
SHEET NO. C404





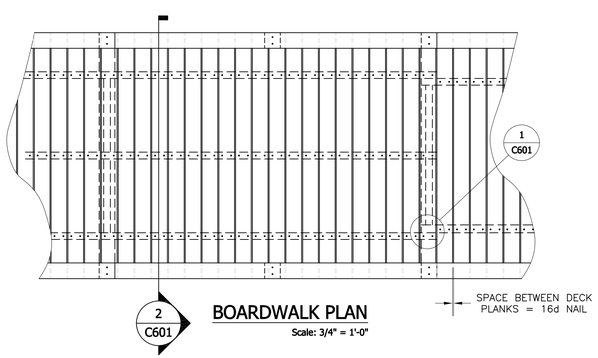
BOARDWALK ELEVATION

Scale: 3/4" = 1'-0"



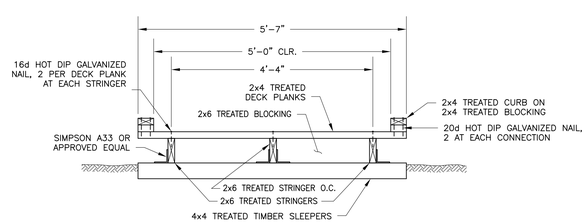
1 STRINGER SPLICE DETAIL

NO SCALE



BOARDWALK PLAN

Scale: 3/4" = 1'-0"



2 TYPICAL BOARDWALK SECTION

Scale: 3/4" = 1'-0"

FINAL CONSTRUCTION DOCUMENTS

ASHLAND, WI
715 6TH STREET WEST
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CHEQUAMEGON BAY ENGINEERING, INC.

REVISIONS:

SUBMITTAL TYPE:	ISSUE DATE:
Schematic Design	1/13/2012
95% Design Dev.	3/14/2012
Final Design	4/05/2012
-	---

PROJECT NO. 11-098

DRAWING DATE: 4-05-2012

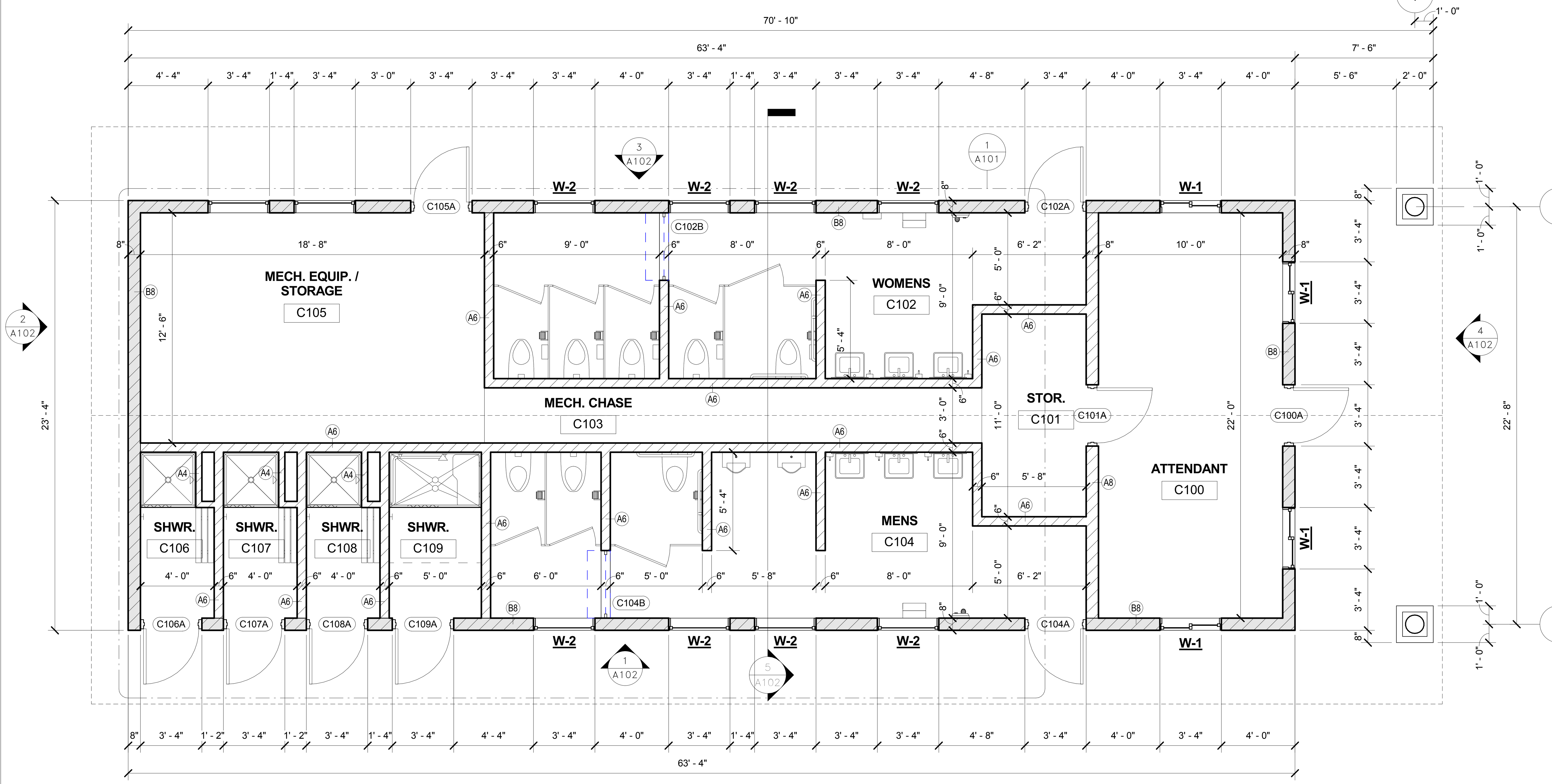
BIG BAY TOWN PARK PHASE I IMPROVEMENTS

Town of La Pointe, Madeline Island
Ashland County, Wisconsin

LAKESHORE TRAIL PLAN & DETAILS

DRAWN BY: JAS

SHEET NO. C601

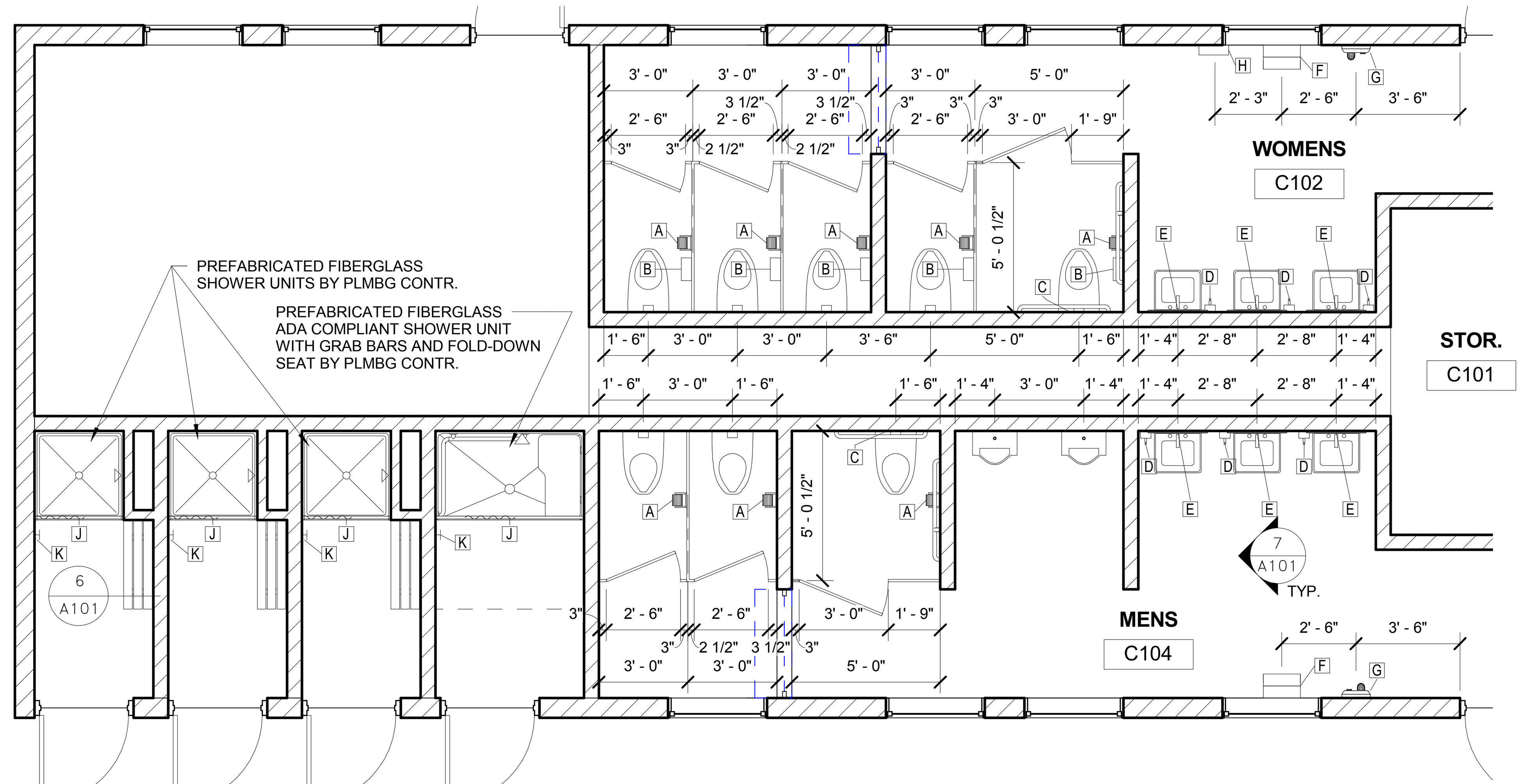


North

FLOOR PLAN

Scale1/4" = 1'-0"

TOILET ROOM ACCESSORIES		
MARK	DESCRIPTION	FURNISHED & INSTALLED
A	DISPENSER, TOILET PAPER	OWNER FURNISHED / CONTRACTOR INSTALLED
B	DISPOSAL, SANITARY NAPKIN, SURFACE MOUNTED	OWNER FURNISHED / CONTRACTOR INSTALLED
C	GRAB BARS - 36", 42", AND 18" (VERTICAL)	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
D	DISPENSER, SOAP, WALL MOUNTED	OWNER FURNISHED / CONTRACTOR INSTALLED
E	MIRROR, FRAMED, 24" x 36"	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED
F	DISPENSER, PAPER TOWEL, SURFACE MOUNTED	OWNER FURNISHED / CONTRACTOR INSTALLED
G	HAND/HAIR DRYER, ELECTRIC, SURFACE MOUNT	OWNER FURNISHED / CONTRACTOR INSTALLED
H	DISPENSER, SANITARY NAPKIN, SURFACE MOUNTED	OWNER FURNISHED / CONTRACTOR INSTALLED
J	SHOWER CURTAIN & ROD	OWNER FURNISHED / CONTRACTOR INSTALLED
K	DOUBLE PRONG ROBE HOOK	OWNER FURNISHED / CONTRACTOR INSTALLED



1 TOILET ROOM PLAN
1/4" = 1'-0"

SPECIFICATIONS:

ASPHALT SHINGLES – TYPE I, SELF SEALING, WIND RESISTANT, SQUARE BUTT WITH MAX EXPOSSURE OF 5", MIN. HEADLAP OF 2" AND MIN. WEIGHT OF 210 LBS./100 S.F. – LAY STARTER COURSE OF SHINGLES WITH TABS REVERSED. EXTEND 1/2" BEYOND ROOF EDGES. NAIL AS PER MANUF. RECOMMENDATIONS WITH 1 1/4" LONG, GALV. STEEL, DEFORMED SHANK NAILS WITH 3/8" – 7/16" HEADS. AT RIDGE, BEND SHINGLE LENGTHWISE WITH EQUAL EXPOSURE ON EACH SIDE OF RIDGE. LAP W/ 5" MAX. EXPOSURE. FASTEN W/ ONE NAIL PER SIDE.

ROOFING FELT – 30# FIBERGLASS FELT. COVER ENTIRE ROOF UNDER SHINGLES. LAP MIN. 4" AT ENDS, 2" AT HEAD AND 12" OVER RIDGE. EXTEND 1/2" BEYOND ROOF EDGES. NAIL 5" O.C. ALONG LAPS WITH 3/4" LONG, GALV. STEEL, DEFORMED SHANK NAILS WITH 3/8" – 7/16" HEADS.

METAL DRIP EDGE – STAINLESS STEEL. TYPE 302B, DEAD SOFT TEMPER. FORM DRIP AS SHOWN AT 45 DEGREES FROM VERTICAL TO CARRY WATER AWAY FROM FASCIA. EXTEND VERTICAL PORTION OF DRIP DOWN TO COVER TOP OF FASCIA 3/4" MIN. AND TOP PORTION OF DRIP ON TO ROOF MIN. 3". FASTEN OVER ROOFING FELT AT RAKES AND UNDER ROOFING FELT AT EAVES WITH COMPATIBLE NAILS AT 10" O.C. MAX.

HOLLOW METAL FRAME – ASTM A525 0.067" THICK GALV. STEEL IN CONFIGURATION SHOWN. SHOP PRIME. ANCHOR TO MASONRY WALL WITH 5MM WIRE LOOP TYPE, T-SHAPE OR STRAP & STIRRUP TYPE OF CORRUGAETD OR PERFORATED ZINC COATED 0.042" MIN. STEEL. LOCATE ANCHORS ON JAMBS NEAR TOP & BOTTOM OF FRAME AND VERT. 24" O.C. MAX. EXTEND ANCHORS INTO MASONRY 10" MIN. COAT FRAME BACK WITH BITUMINOUS COATING AND FILL FRAME WITH MORTAR AS WALL IS BUILT.

HOLLOW METAL DOOR – ASTM A1008 COLD ROLLED STEEL FACE SHEETS. DOOR THICKNESS TO BE 1 3/4". CLOSE TOP AND BOTTOM OF DOORS FLUSH TO SEAL OUT MOISTURE. SHOP PRIME.

COILING GRILLE – ALUMINUM, SPRING COUNTERBALANCED, PUSH-UP OVERHEAD GRILLE WITH ALUMINUM JAMB MOUNTED TRACK, TUBULAR BOTTOM RAIL AND MANUF. STANDARD LOCKING DEVICE. (COORDINATE CYLINDER & KEYING WITH OWNER). INSTALL AS PER MANUF. RECOMMENDATIONS.

ALUMINUM AWNING WINDOW – PROVIDE OPERABLE ALUMINUM AWNING WINDOWS OF TYPE AND SIZE SHOWN, COMPLETE WITH ALUM. 18X18 MESH INSECT SCREENS, SLOPED ALUM. SILL WITH DRIP EDGE, LOCKS, HARDWARE, FACTORY GLAZING, CLOSURES, TRIM, MOLDINGS, SUB-SILLS, CLIP ANCHORS, FASTENERS, WEATHER-STRIPPING, AND OTHER NECESSARY COMPONENTS REQUIRED FOR FABRICATION AND INSTALLATION. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS STANDARD COLORS. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS.

ALUMINUM SINGLE HORIZONTAL SLIDING WINDOW – PROVIDE SINGLE HORIZONTAL SLIDING ALUMINUM WINDOWS OF TYPE AND SIZE SHOWN, COMPLETE WITH ALUM. 18X18 MESH INSECT SCREENS, SLOPED ALUM. SILL WITH DRIP EDGE, LOCKS, HARDWARE, FACTORY GLAZING, CLOSURES, TRIM, MOLDINGS, SUB-SILLS, CLIP ANCHORS, FASTENERS, WEATHER-STRIPPING, AND OTHER NECESSARY COMPONENTS REQUIRED FOR FABRICATION AND INSTALLATION. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS STANDARD COLORS. INSTALL AS PER MANUFACTURER'S INSTRUCTIONS.

CONCRETE MASONRY UNITS - HOLLOW CONCRETE MASONRY UNITS: ASTM C90. NORMAL WEIGHT, MODULAR SIZE, FINE TO MEDIUM SURFACE TEXTURE. TOOLED CONCAVE INTERIOR JOINTS. USE BULLNOSE CONCRETE MASONRY UNITS AT CORNERS EXPOSED IN FINISHED WORK WITH 1" MIN. RADIUS ROUNDED VERTICAL EXTERIOR CORNERS (BULLNOSE UNITS).

SPLIT-FACE UNITS - NORMAL WEIGHT, MODULAR SIZE. TOOLED SMOOTH, WATER-TIGHT CONCAVE JOINT IN COLOR TO MATCH CMU. CMU COLOR TO BE ARROWHEAD CONCRETE WORKS – CAMPFIRE, OR EQUAL APPROVED IN ADVANCE BY OWNER.

GYPSUM BOARD - ASTM C1396, TYPE X, 5/8" THICK. FASTEN AT 12" ON CENTER IN FIELD OF THE BOARD AND 8" ON CENTER ALONG EDGES WITH APPROPRIATE SCREWS. STAGGER SCREWS ON ABUTTING EDGES OR ENDS. FINISH JOINTS, EDGES, CORNERS, FASTENER HEADS AND AROUND OPENINGS AND PENETRATIONS IN ACCORDANCE WITH ASTM C840.

TOILET PARTITIONS – SOLID PHENOLIC, FLOOR SUPPORTED TOILET ENCLOSURES. FABRICATE TO DIMENSIONS SHOWN. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS STANDARD COLORS. REINFORCE PANELS SHOWN TO RECEIVE TOILET TISSUE HOLDERS OR GRAB BARS. UPPER PIVOTS AND LOWER HINGES ADJUSTABLE TO HOLD DOORS OPEN 30 DEGREES. LATCHING DEVICES AND HINGES FOR HANDICAP COMPARTMENTS SHALL COMPLY WITH ADA REQUIREMENTS. KEEPER TO HAVE U-SLOT TO ENGAGE BAR OF THROW LATCH COMBINED WITH RUBBER BUMPER STOP. WHEELCHAIR TOILETS TO HAVE UPPER PIVOTS AND LOWER HINGES TO HOLD OUT SWINGING DOORS IN CLOSED POSITION. PROVIDE U-TYPE DOORS PULLS, APPROXIMATELY FOUR INCHES LONG ON PULL SIDE. USE TOGGLE BOLTS, CID A-A-60003, FOR ANCHORING TO HOLLOW MASONRY OR STUD FRAMED WALLS.

CEDAR SHAKE SHINGLES – PRODUCED FROM MADALINE ISLAND RESOURCES - FIRE RETARDANT TREATED CEDAR, SQUARE BUTT, SPLIT SHINGLES. MAXIMUM EXPOSURE OF 7", 18" LONG IN RANDOM WIDTHS, BUT NOT LESS THAN 4" WIDE, WEIGHING APPROXIMATELY 185 LBS/100 SQ. FT. FASTEN SHINGLES WITH GALVANIZED STEEL, 6D SIZE NAILS.

PAINT – EXTERIOR PAINT TO BE SEMI-GLOSS EXTERIOR LATEX ENAMEL - COLOR TO BE SELECTED BY OWNER. INTERIOR PAINT TO BE SEMI-GLOSS EPOXY PAINT - COLOR TO BE SELECTED BY OWNER.

DOOR HARDWARE

EXTERIOR DOOR BUTT HINGES: ANSI A156.1 TYPE A2112/A5112, THREE KNUCKLE, STAINLESS STEEL WITH NONREMOVABLE PINS. THREE HINGES PER DOOR.

INTERIOR DOOR BUTT HINGES: ANSI A156.1 TYPE A8112/A5112, THREE KNUCKLE, STAINLESS STEEL WITH NONREMOVABLE PINS. THREE HINGES PER DOOR.

OVERHEAD CLOSER: HAGER 5100 SERIES, PARALLEL ARM WITH EXTRA HEAVY DUTY HOLD OPEN CUSHION STOP ARM AND STAINLESS STEEL FULL COVER, OR OWNER APPROVED EQUAL.

DOOR STOPS: ANSI A156.16, TYPE L02011.

DEADBOLT: GRADE 1, HEAVY DUTY, STAINLESS STEEL FINISH WITH BEST LOCK OR EQUAL WITH SMALL FORMAT INTERCHANGABLE CORES.

KICK PLATES: ANSI STANDARD A156.6. TYPE J100 SERIES. 12 INCHES HIGH, 1 1/2" LESS THAN WIDTH OF DOOR AND MINIMUM 0.050 INCHES THICK STAINLESS STEEL, BEVELED ON ALL 4 EDGES.

DOOR PULLS WITH PLATES: ANSI A156.6. PULL TYPE J401, 6 INCHES HIGH BY 3/4 INCHES DIAMETER WITH PLATE TYPE J302, 3-1/2 INCHES BY 14 INCHES. PROVIDE PULL WITH PROJECTION OF 2 3/4 INCHES AND A CLEARANCE OF 2 INCHES. CUT PLATES OF DOOR PULL PLATE FOR CYLINDERS, OR TURN PIECES WHERE REQUIRED.

PUSH PLATES: ANSI A156.6. METAL, TYPE J302, 8 INCHES WIDE BY 14 INCHES HIGH. CUT PLATES FOR CYLINDERS, AND TURN PIECES WHERE REQUIRED.

THRESHOLDS: ANSI A156.21, MILL FINISH EXTRUDED ALUMINUM WITH NON-SLIP ABRASIVE FINISH. EMBED ALUMINUM ANCHORS COATED WITH EPOXY IN CONCRETE TO SECURE THRESHOLDS. FURNISH THRESHOLDS FOR THE FULL WIDTH OF THE OPENINGS.

WEATHERSTRIPS: ANSI A156.22. AIR LEAKAGE SHALL NOT TO EXCEED 0.50 CFM PER FOOT OF CRACK LENGTH.

SHEET METAL ACCESS DOORS: EQUIP EACH SINGLE METAL ACCESS DOOR WITH LOCK TYPE E76213, CONFORMING TO ANSI A156.5. KEY LOCKS AS DIRECTED. SHIP LOCK PREPAID TO THE DOOR MANUFACTURER.

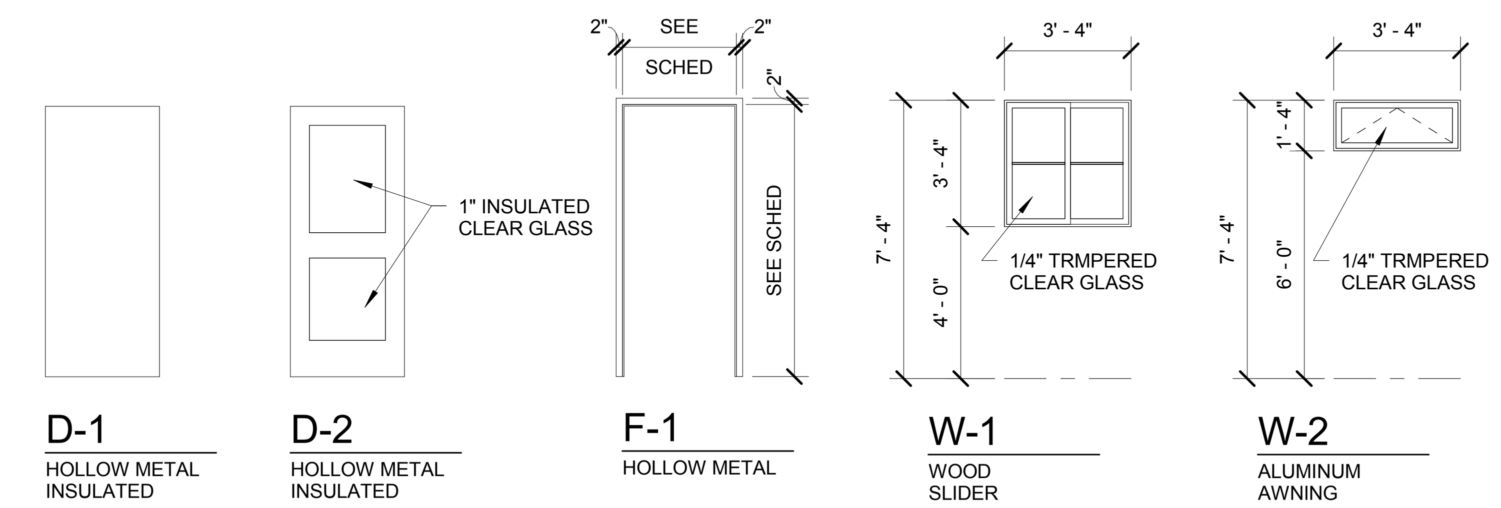
HARDWARE GROUPS

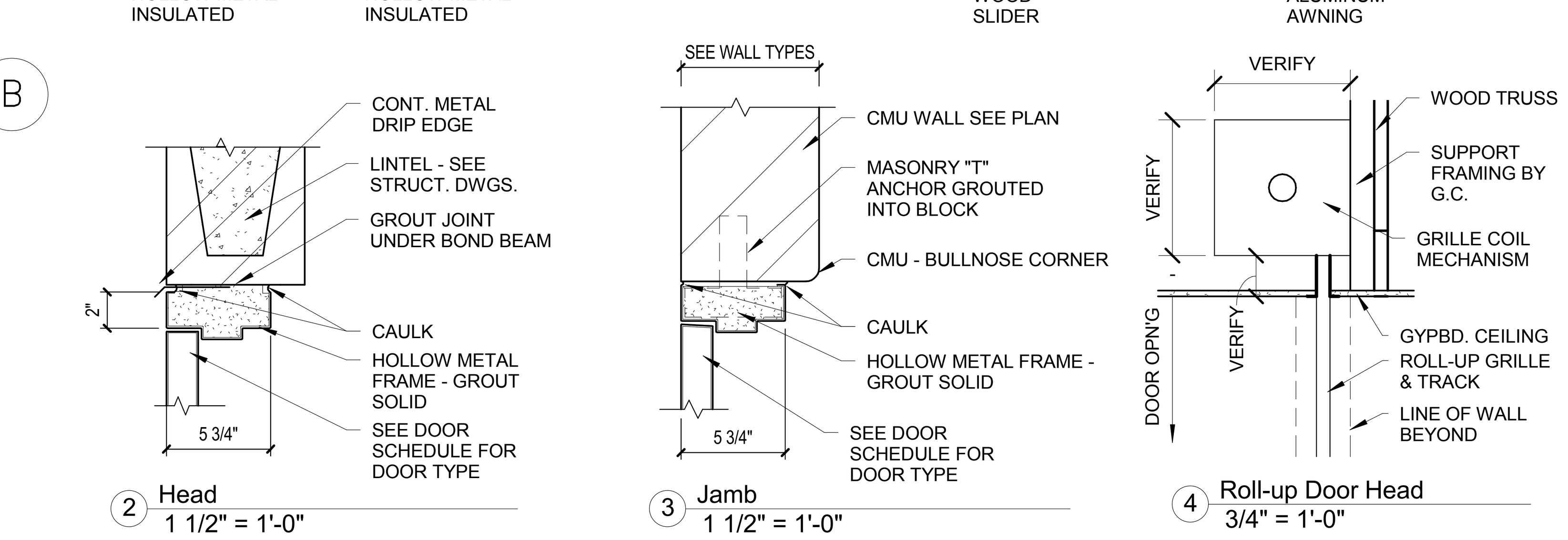
GROUP 1 – NON-RATED
EACH DOOR TO HAVE:
1 SET (3) EXTERIOR DOOR BUTT HINGES
1 DEADBOLT
1 DOOR PULL WITH PLATE
1 PUSH PLATE
1 OVERHEAD CLOSER
2 KICKPLATE (INTERIOR & EXTERIOR)
1 THRESHOLD
1 WEATHER STRIP

GROUP 2 – NON RATED
EACH DOOR TO HAVE:
1 SET (3) INTERIOR DOOR BUTT HINGES
1 DEADBOLT
1 DOOR PULL WITH PLATE
1 PUSH PLATE
2 KICKPLATE (INTERIOR & EXTERIOR)
1 THRESHOLD
1 DOOR STOP

Room Schedule									
				Wall Finishes					
Number	Name	Floor Finish	Base Finish	North	East	South	West	Ceiling	Comments
C100	ATTENDANT	CONC. S.	--	CMU-PT	CMU-PT	CMU-PT	CMU-PT	GYPBD-PT	
C102	WOMENS	CONC. S.	--	CMU-PT	CMU-PT	CMU-PT	CMU-PT	GYPBD-PT	
C104	MENS	CONC. S.	--	CMU-PT	CMU-PT	CMU-PT	CMU-PT	GYPBD-PT	
C106	SHWR.	CONC. S.	--	CMU-PT	CMU-PT	CMU-PT	CMU-PT	GYPBD-PT	
C107	SHWR.	CONC. S.	--	CMU-PT	CMU-PT	CMU-PT	CMU-PT	GYPBD-PT	
C108	SHWR.	CONC. S.	--	CMU-PT	CMU-PT	CMU-PT	CMU-PT	GYPBD-PT	
C109	SHWR.	CONC. S.	-	CMU-PT	CMU-PT	CMU-PT	CMU-PT	GYPBD-PT	
C105	MECH. EQUIP. / STORAGE	CONC. S.	--	CMU-PT	CMU-PT	CMU-PT	CMU-PT	GYPBD-PT	
C103	MECH. CHASE	CONC. S.	--	CMU-PT	CMU-PT	CMU-PT	CMU-PT	GYPBD-PT	
C101	STOR.	CONC. S.	--	CMU-PT	CMU-PT	CMU-PT	CMU-PT	GYPBD-PT	

Door Schedule									
				Details					
Mark	Door Size	Door Type	Frame Type	Head	Jamb	Sill	Fire Rating	Hardware Group	Comments
C100A	3'-0" x 7'-2" x 1 3/4"	D2	F1	2/A101	3/A101	-		1	
C101A	3'-0" x 7'-2" x 1 3/4"	D1	F1	2/A101	3/A101	-		2	
C102A	3'-0" x 7'-2" x 1 3/4"	D1	F1	2/A101	3/A101	-		1	
C102B	3'-8" x 8'-0"	D3	--	4/A101	5/A101			--	
C104A	3'-0" x 7'-2" x 1 3/4"	D1	F1	2/A101	3/A101	-		1	
C104B	3'-8" x 8'-0"	D3	--	4/A101	5/A101			--	
C105A	3'-0" x 7'-2" x 1 3/4"	D1	F1	2/A101	3/A101	-		1	
C106A	3'-0" x 7'-2" x 1 3/4"	D1	F1	2/A101	3/A101	-		1	
C107A	3'-0" x 7'-2" x 1 3/4"	D1	F1	2/A101	3/A101	-		1	
C108A	3'-0" x 7'-2" x 1 3/4"	D1	F1	2/A101	3/A101	-		1	
C109A	3'-0" x 7'-2" x 1 3/4"	D1	F1	2/A101	3/A101	-		1	

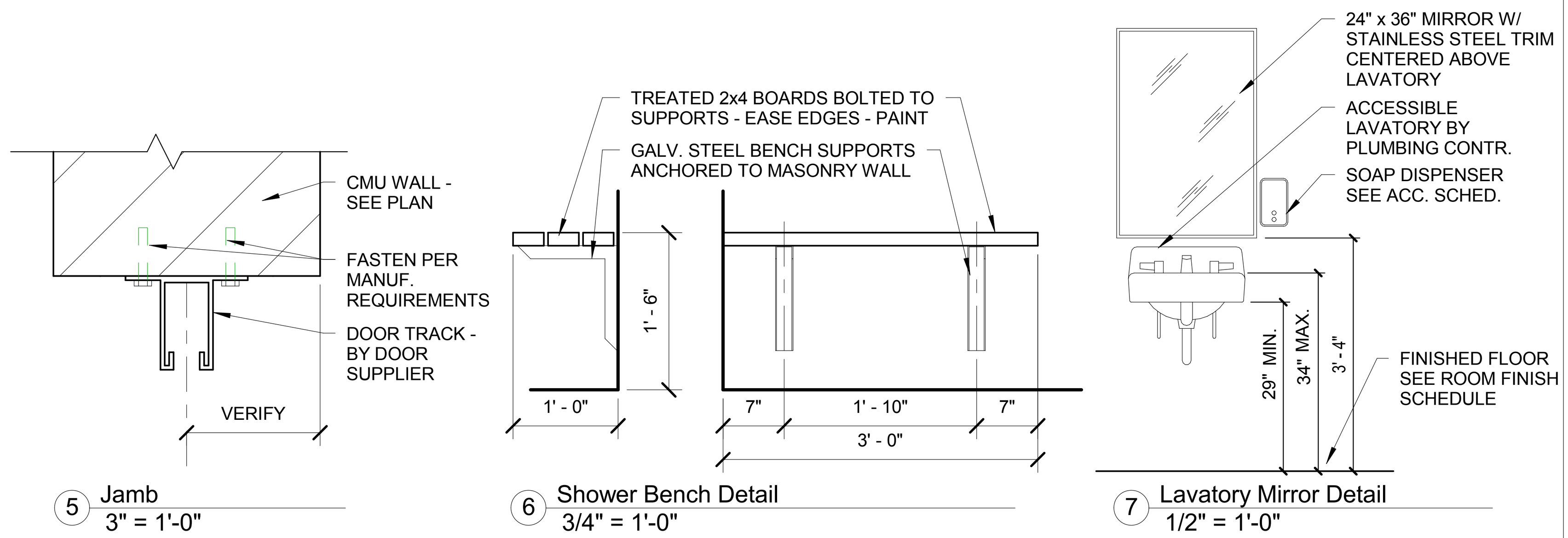




2 Head 1 1/2" = 1'-0"

3 Jamb 1 1/2" = 1'-0"

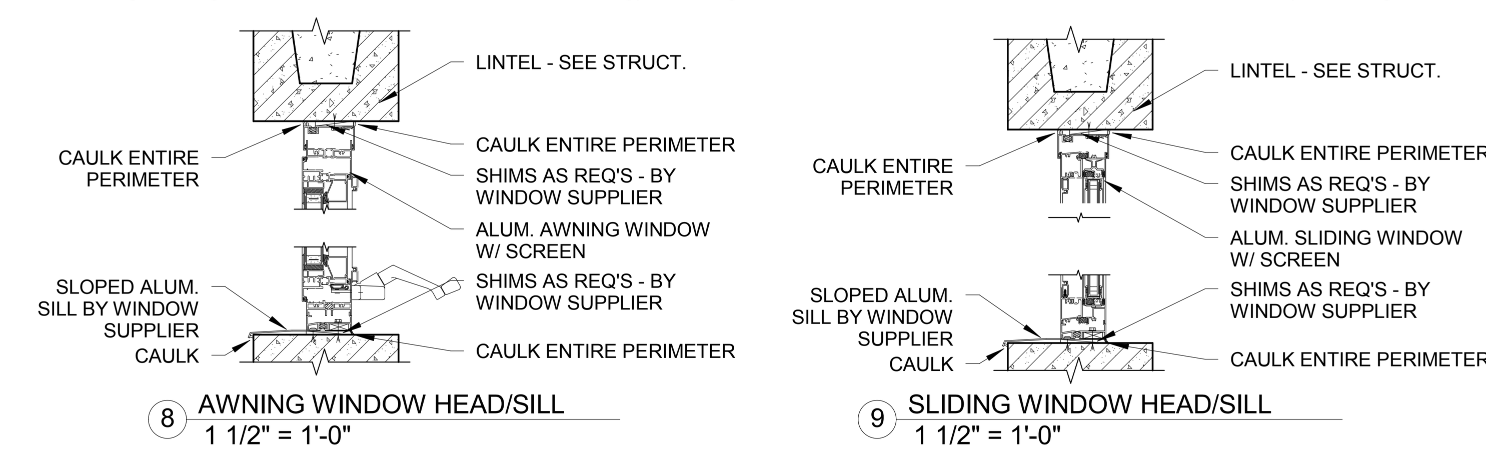
4 Roll-up Door Head 3/4" = 1'-0"



5 Jamb 3" = 1'-0"

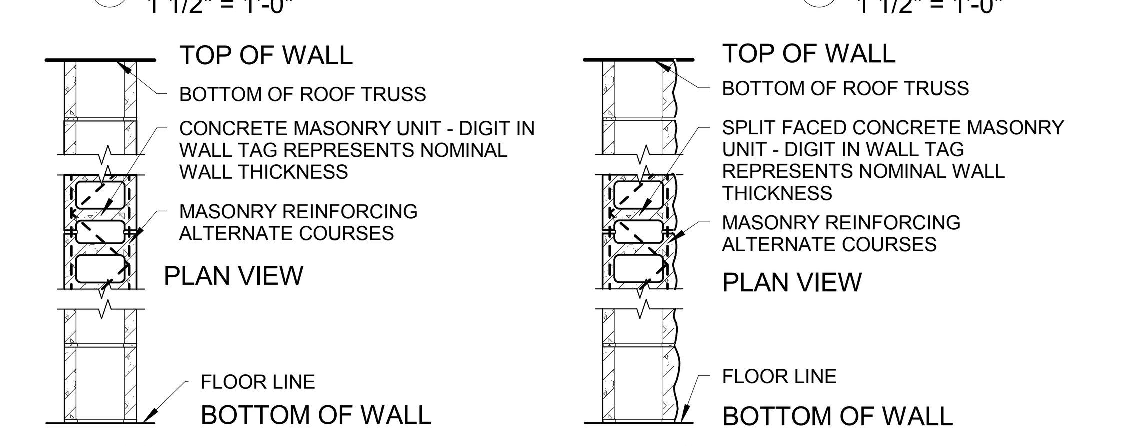
6 Shower Bench Detail 3/4" = 1'-0"

7 Lavatory Mirror Detail 1/2" = 1'-0"



8 AWNING WINDOW HEAD/SILL 1 1/2" = 1'-0"

9 SLIDING WINDOW HEAD/SILL 1 1/2" = 1'-0"



Wall Type A

Wall Type B

FINAL CONSTRUCTION DOCUMENTS

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REVISIONS:

SUBMITTAL TYPE:	ISSUE DATE:
Schematic Design	1/6/2012
-	---
-	---
-	---

PROJECT NO. 11-098

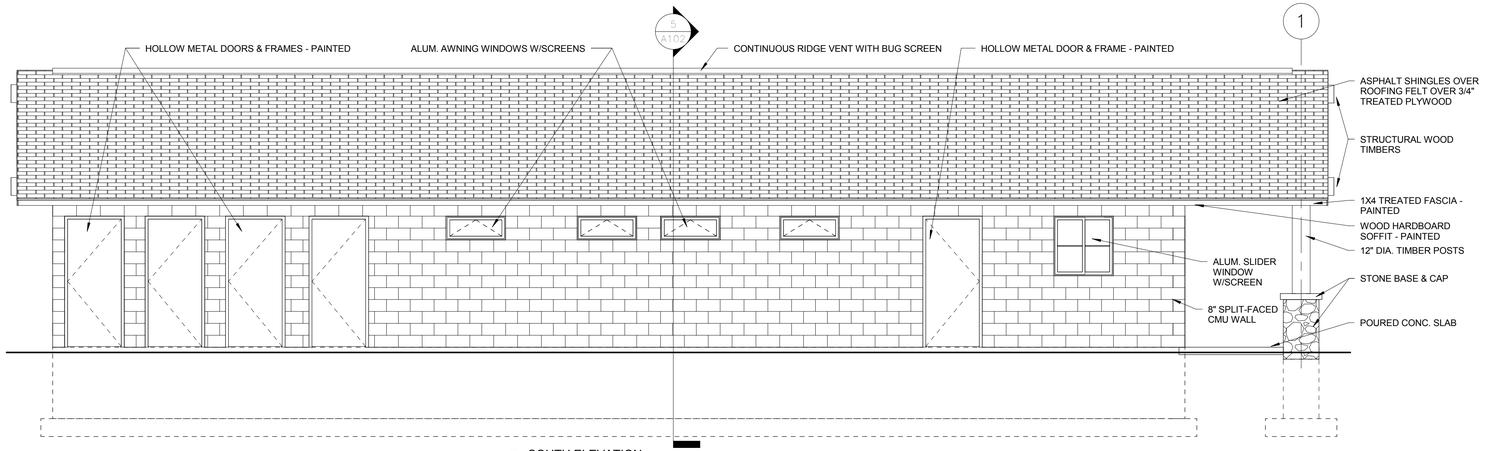
DRAWING DATE: 4-05-2012

BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

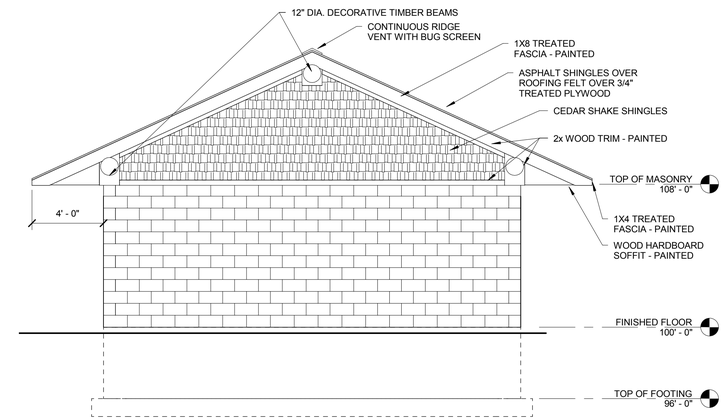
COMFORT STATION
FLOOR PLANS

DRAWN BY: KJK

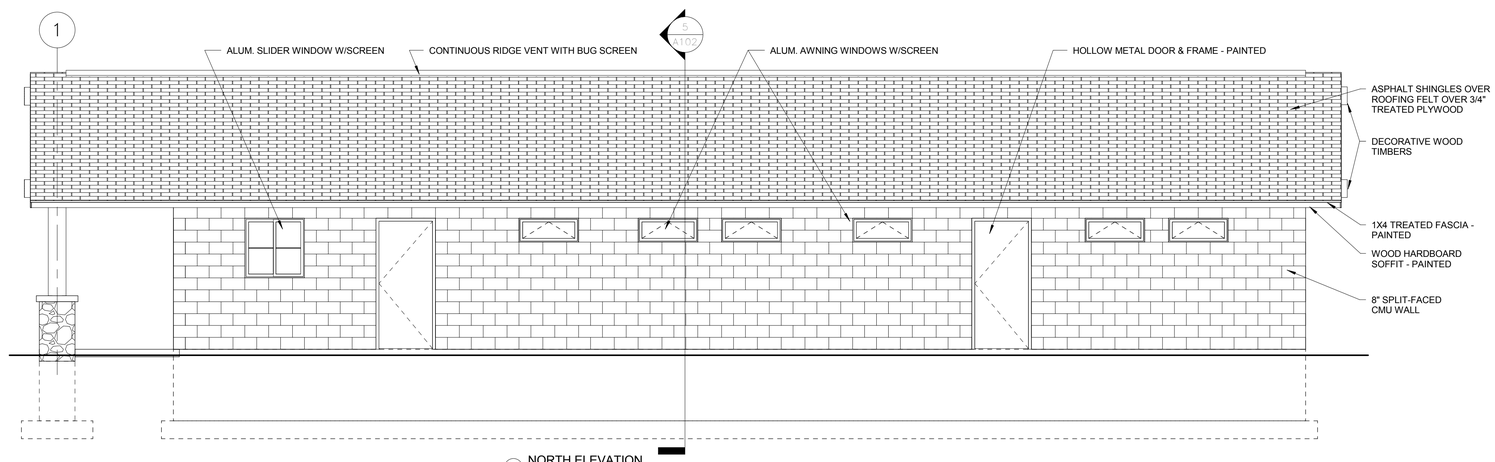
SHEET NO. A101



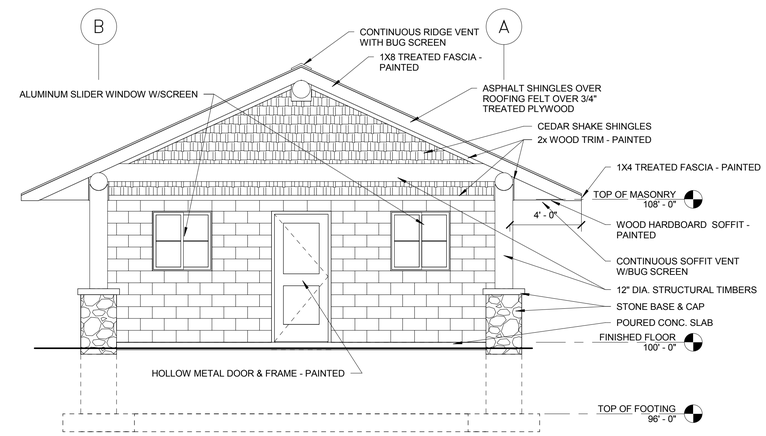
1 SOUTH ELEVATION
1/4" = 1'-0"



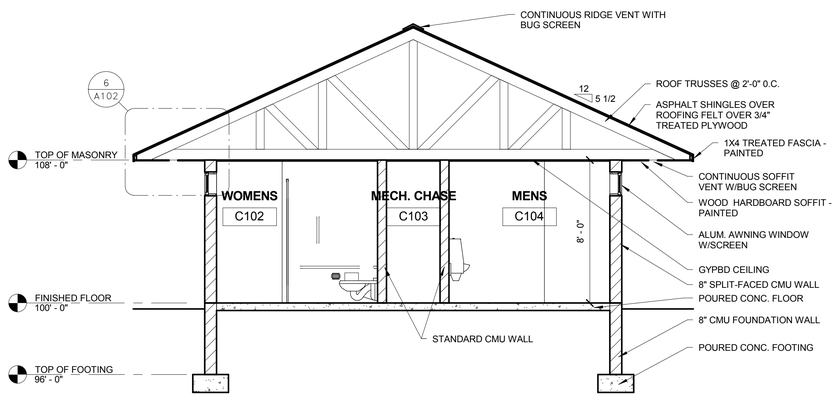
2 WEST ELEVATION
1/4" = 1'-0"



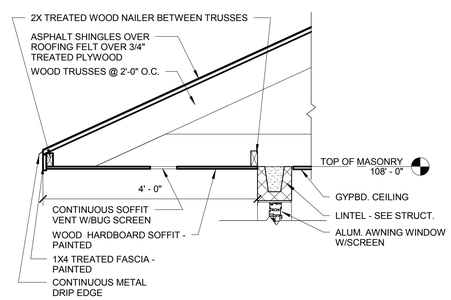
3 NORTH ELEVATION
1/4" = 1'-0"



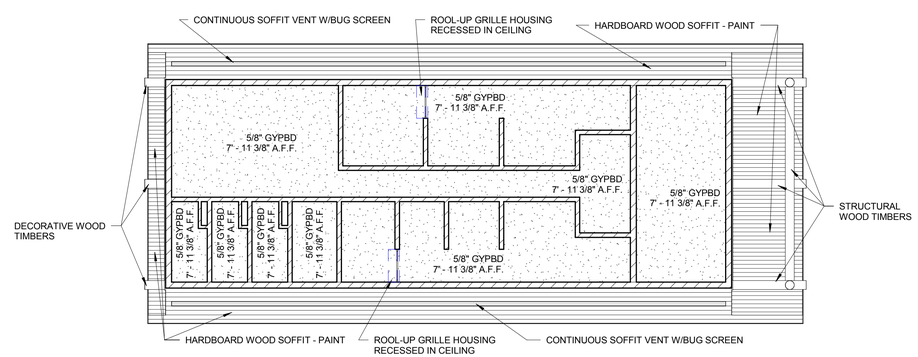
4 EAST ELEVATION
1/4" = 1'-0"



5 BUILDING SECTION
1/4" = 1'-0"



6 Soffit Detail
3/4" = 1'-0"



North

REFLECTED CEILING PLAN
Scale1/8" = 1'-0"

FINAL CONSTRUCTION DOCUMENTS

ASHLAND, WI
CHEQUAMEGON BAY ENGINEERING, INC.

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REVISIONS:

SUBMITTAL TYPE: Schematic Design
ISSUE DATE: 1/6/2012

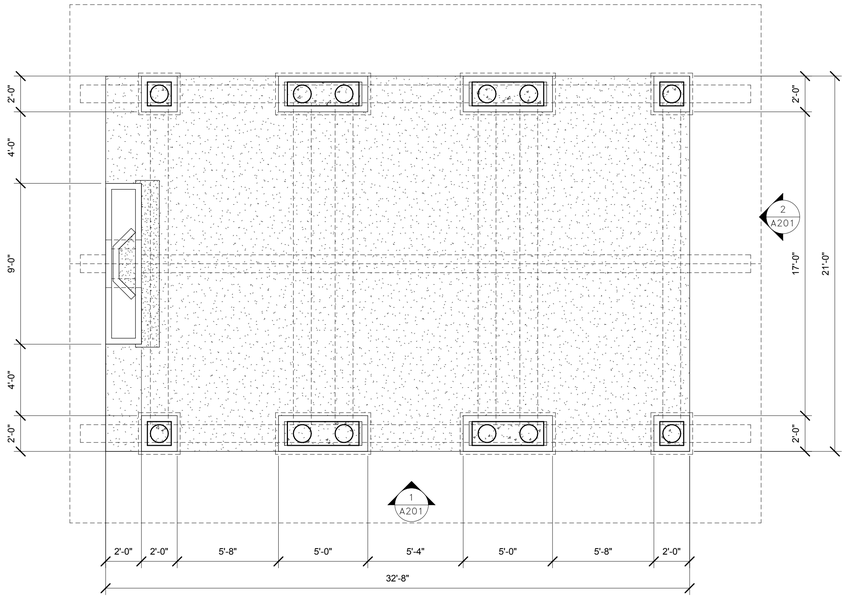
PROJECT NO. 11-098
DRAWING DATE: 4-05-2012

BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

COMFORT STATION
EXTERIOR ELEVATIONS, SECTIONS & REFLECTED CEILING PLAN

DRAWN BY: KJK

SHEET NO. A102



North

Picnic Shelter - Floor Plan

Scale1/4" = 1'-0"

SPECIFICATIONS:

ASPHALT SHINGLES – TYPE I, SELF SEALING, WIND RESISTANT, SQUARE BUTT WITH MAX. EXPOSURE OF 5", MIN. HEADLAP OF 2" AND MIN. WEIGHT OF 210 LBS./100 S.F. – LAY STARTER COURSE OF SHINGLES WITH TABS REVERSED. EXTEND 1/2" BEYOND ROOF EDGES. NAIL AS PER MANUF. RECOMMENDATIONS WITH 1 1/4" LONG, GALV. STEEL, DEFORMED SHANK NAILS WITH 3/8" – 7/16" HEADS AT RIDGE. BEND SHINGLE LENGTHWISE WITH EQUAL EXPOSURE ON EACH SIDE OF RIDGE. LAP W/ 5" MAX. EXPOSURE. FASTEN W/ ONE NAIL PER SIDE.

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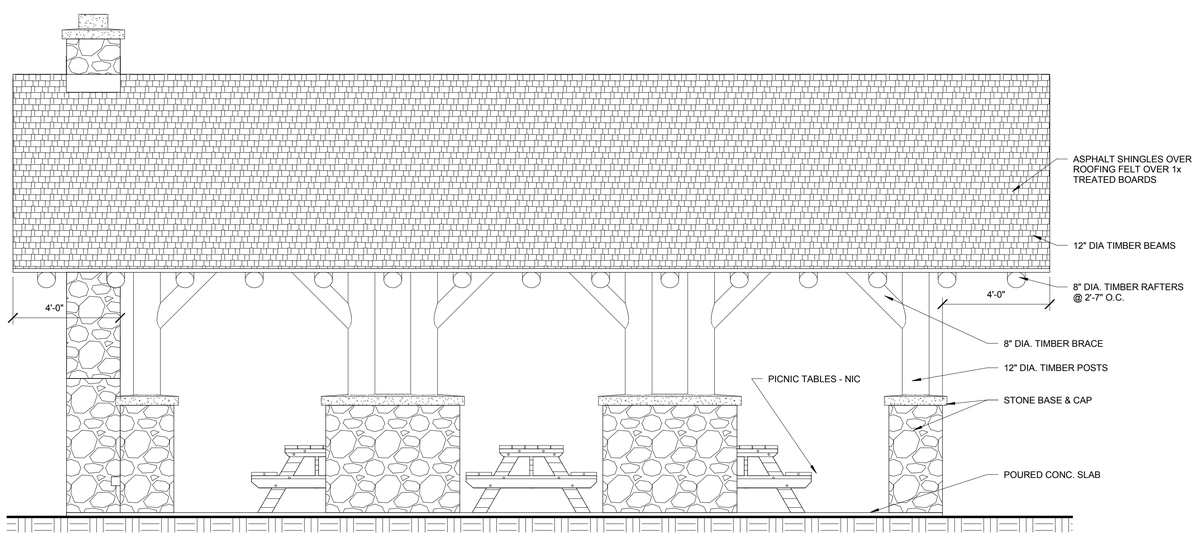
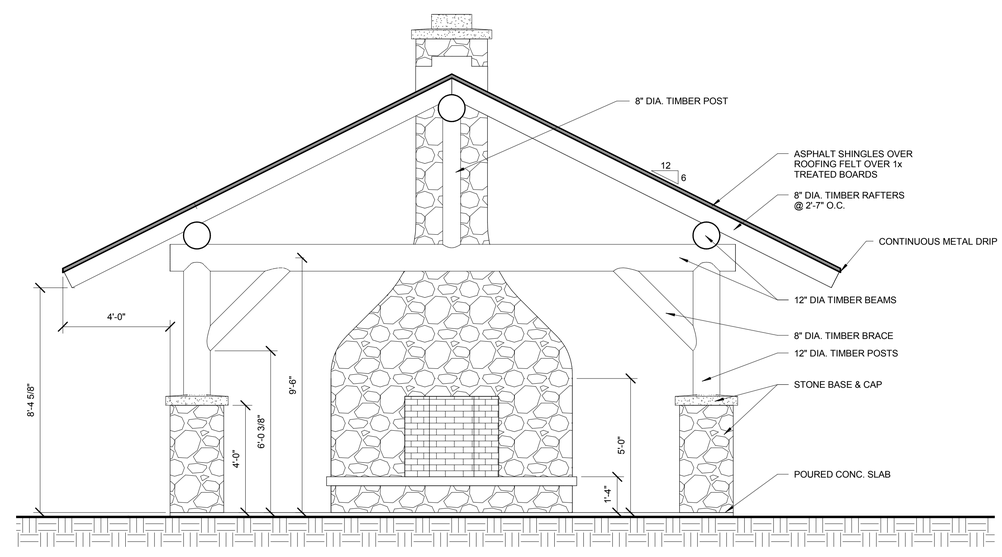


1 Picnic Shelter - Side View
3/8" = 1'-0"



2 Picnic Shelter - End View
3/8" = 1'-0"

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CHEQUAMEGON BAY ENGINEERING, INC.

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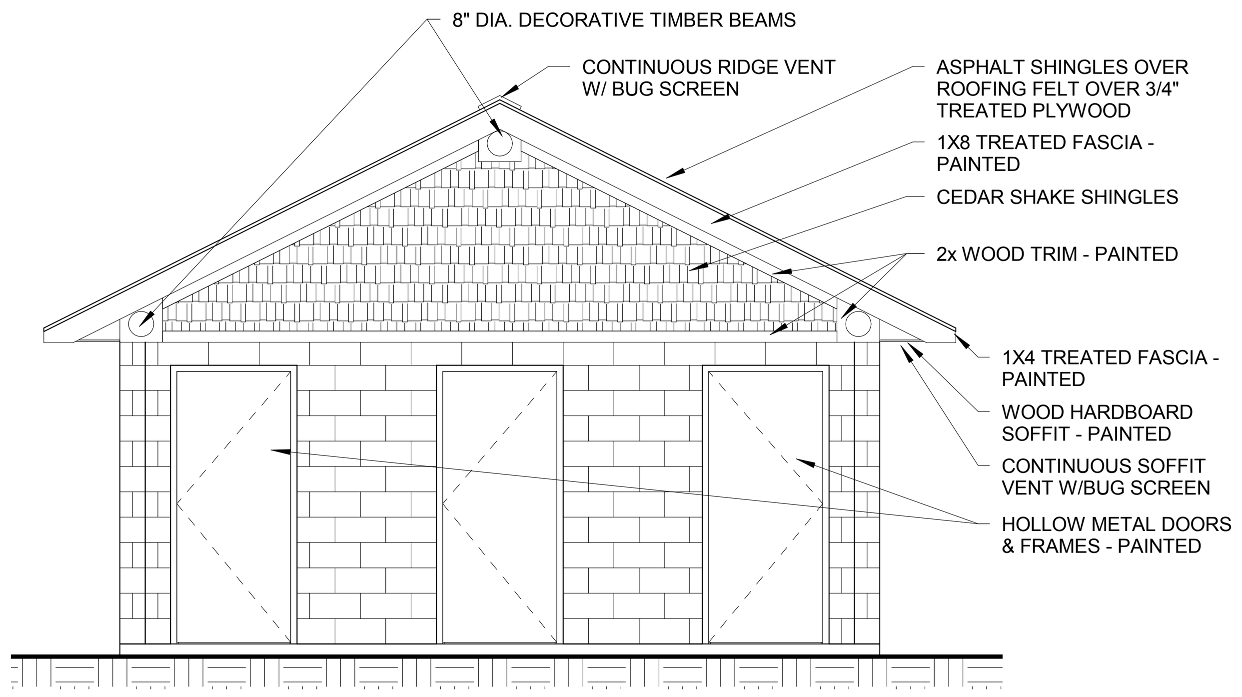
BIG BAY TOWN PARK PHASE I IMPROVEMENTS

Town of La Pointe, Madeline Island
Ashland County, Wisconsin

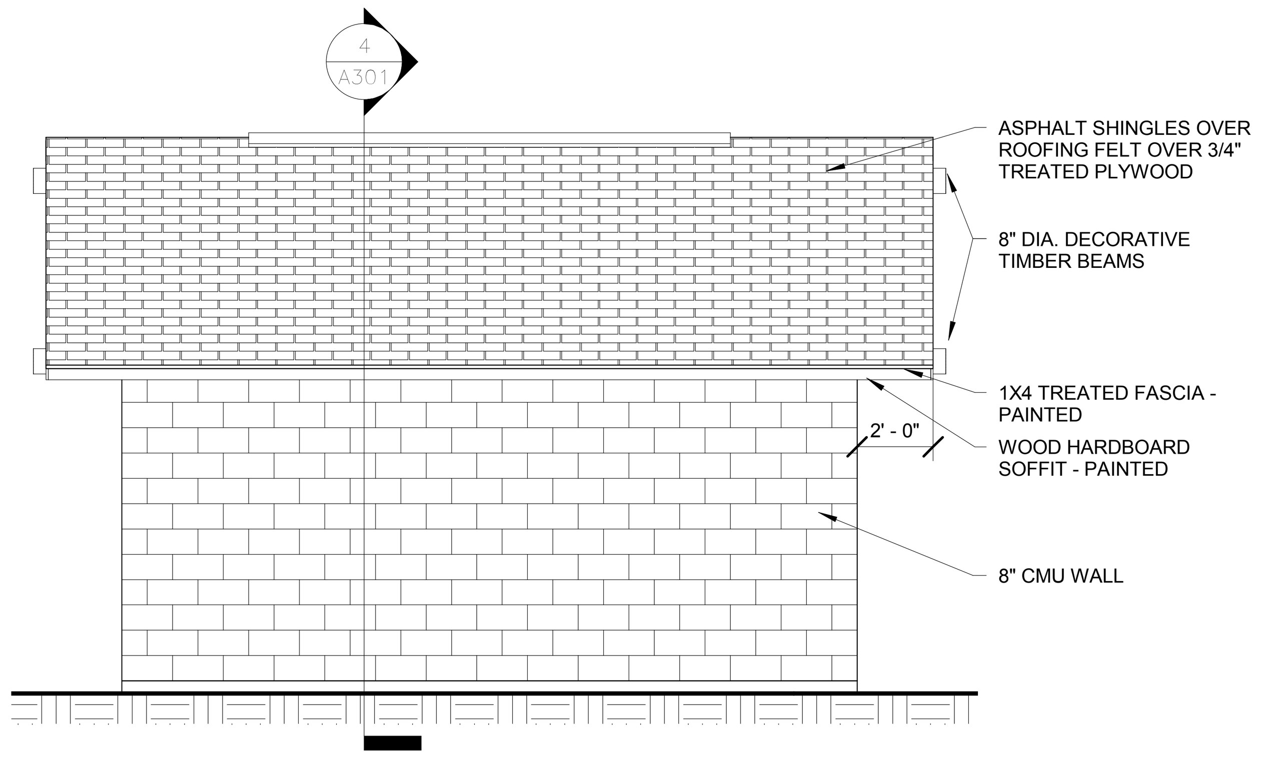
PICNIC SHELTER FLOOR PLAN AND ELEVATIONS

DRAWN BY: KJK

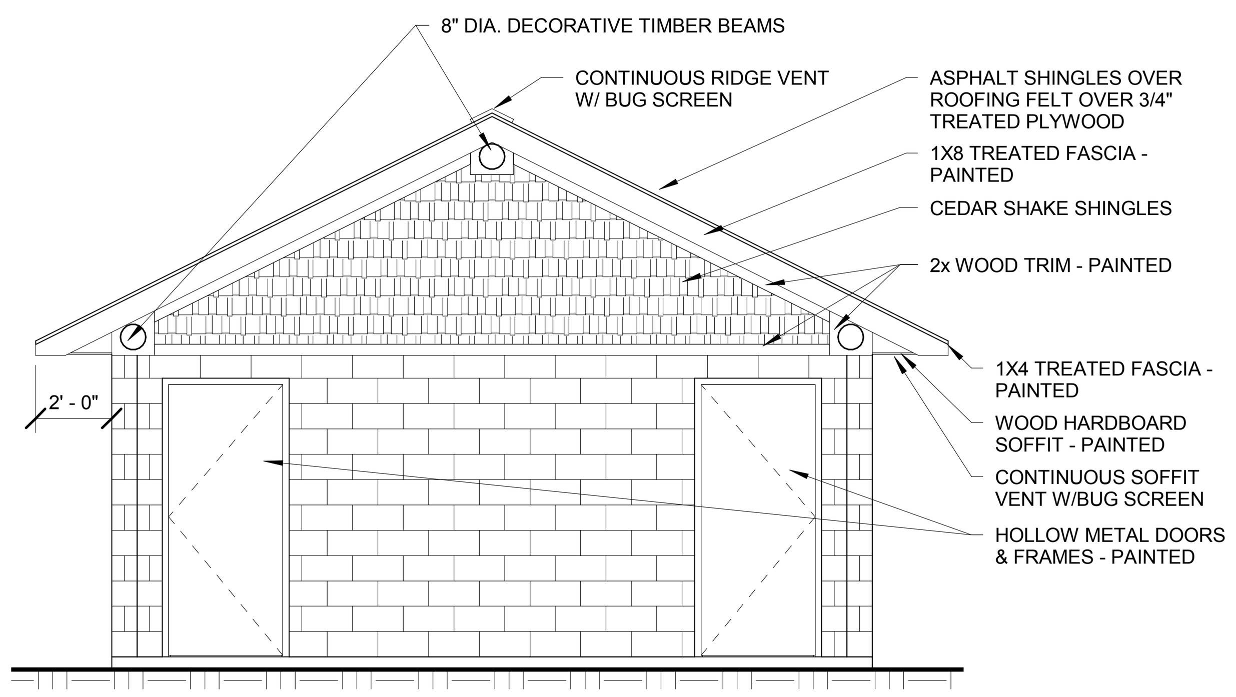
SHEET NO. A201



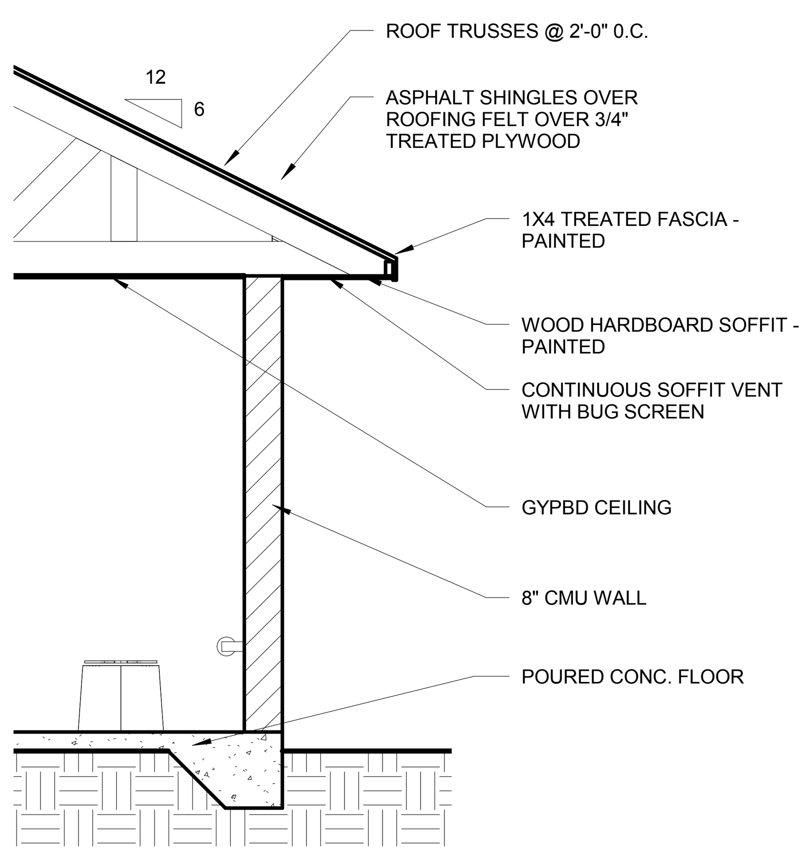
1 SOUTH ELEVATION
1/4" = 1'-0"



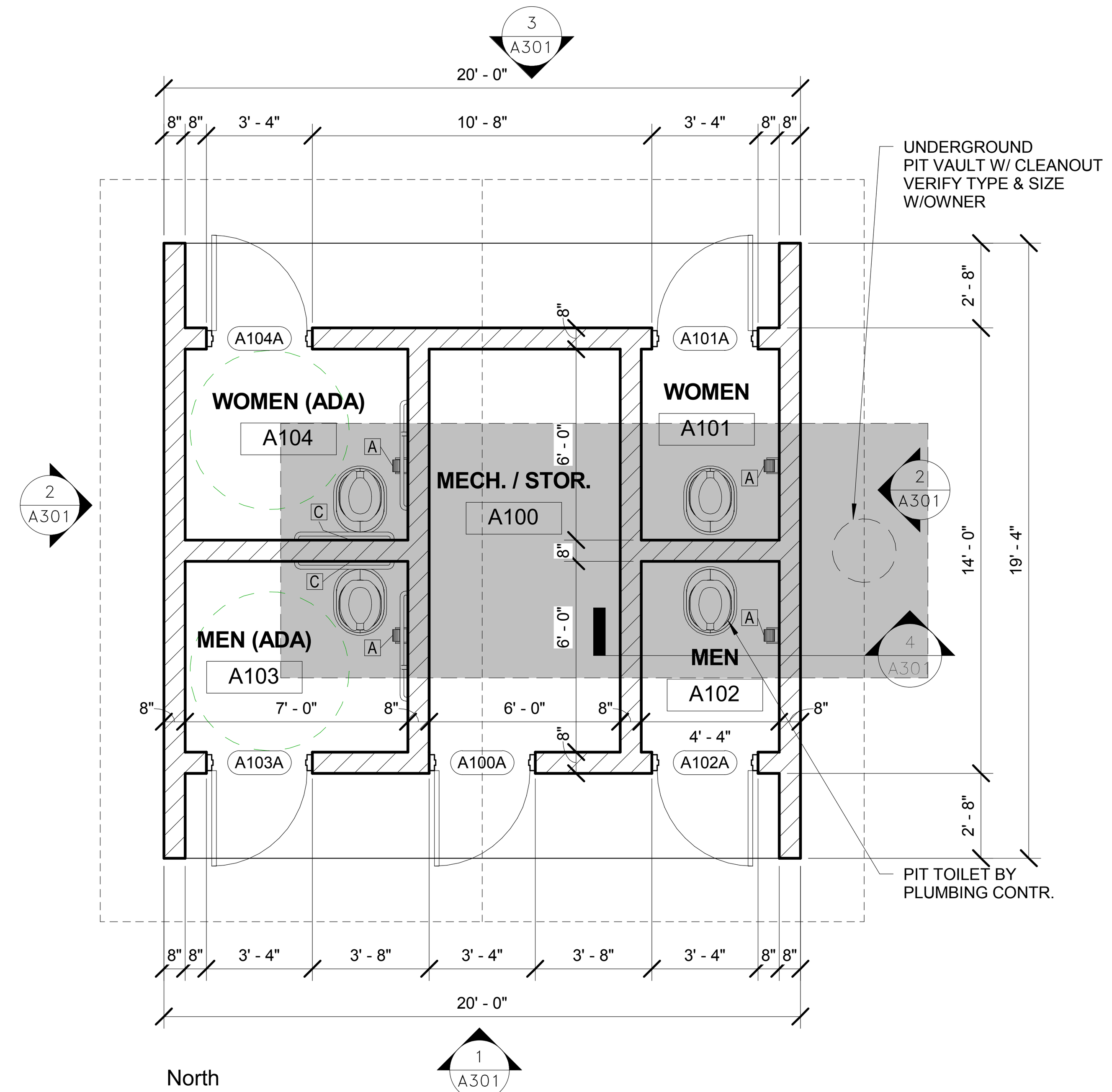
2 EAST/WEST ELEVATION
1/4" = 1'-0"



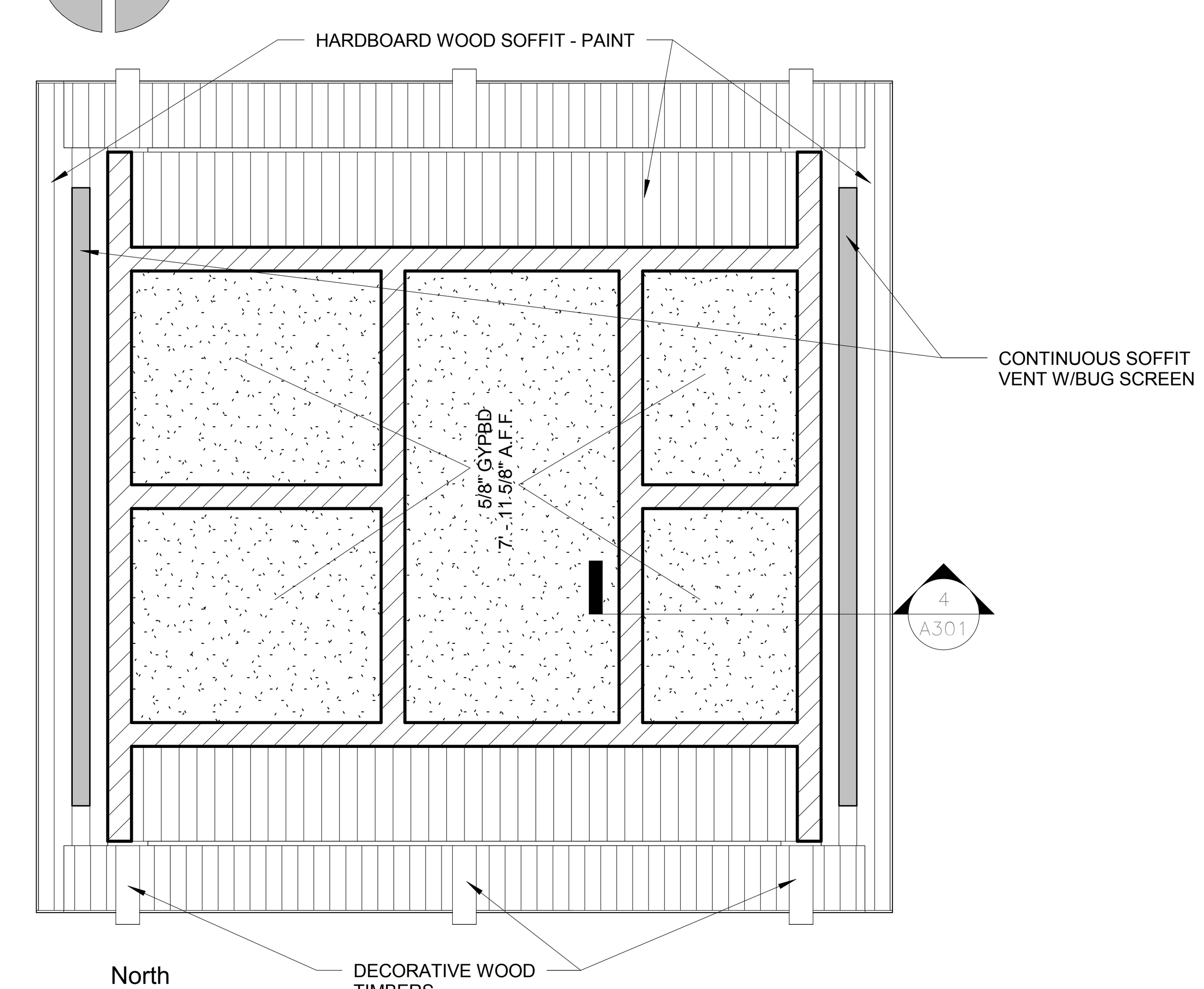
3 NORTH ELEVATION
1/4" = 1'-0"



4 WALL SECTION
3/8" = 1'-0"



FLOOR PLAN
Scale1/4" = 1'-0"



REFLECTED CEILING PLAN
Scale1/4" = 1'-0"

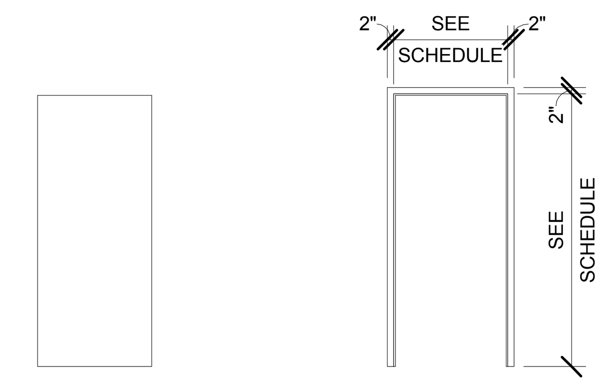
TOILET ROOM ACCESSORIES		
MARK	DESCRIPTION	FURNISHED & INSTALLED
A	DISPENSER, TOILET PAPER	OWNER FURNISHED / CONTRACTOR INSTALLED
C	GRAB BARS - 36", 42", AND 18" (VERTICAL)	CONTRACTOR FURNISHED / CONTRACTOR INSTALLED

Room Schedule

Number	Name	Floor Finish	Base Finish	Wall Finishes North	Wall Finishes East	Wall Finishes South	Wall Finishes West	Ceiling	Comments
A100	MECH. / STOR.	CONC. S.	--	CMU-PT	CMU-PT	CMU-PT	CMU-PT	GYPBD-PT	
A104	WOMEN (ADA)	CONC. S.	--	CMU-PT	CMU-PT	CMU-PT	CMU-PT	GYPBD-PT	
A101	WOMEN	CONC. S.	--	CMU-PT	CMU-PT	CMU-PT	CMU-PT	GYPBD-PT	
A102	MEN	CONC. S.	--	CMU-PT	CMU-PT	CMU-PT	CMU-PT	GYPBD-PT	
A103	MEN (ADA)	CONC. S.	--	CMU-PT	CMU-PT	CMU-PT	CMU-PT	GYPBD-PT	

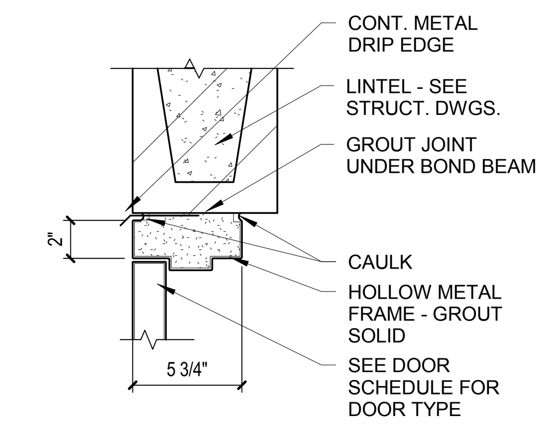
Door Schedule

Mark	Door Size	Door Type	Frame Type	Details Head	Details Jamb	Details Sill	Fire Rating	Hardware Group	Comments
A100A	3'-2" x 7'-2" x 1 3/4"	D1	F1	5/A301	6/A301	-		1	
A101A	3'-2" x 7'-2" x 1 3/4"	D1	F1	5/A301	6/A301	-		1	
A102A	3'-2" x 7'-2" x 1 3/4"	D1	F1	5/A301	6/A301	-		1	
A103A	3'-2" x 7'-2" x 1 3/4"	D1	F1	5/A301	6/A301	-		1	
A104A	3'-2" x 7'-2" x 1 3/4"	D1	F1	5/A301	6/A301	-		1	

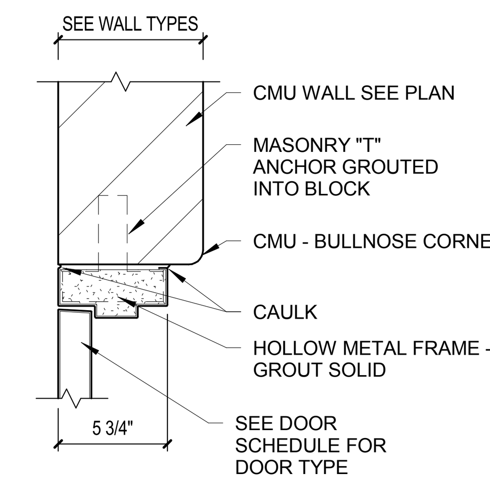


D-1
HOLLOW METAL INSULATED

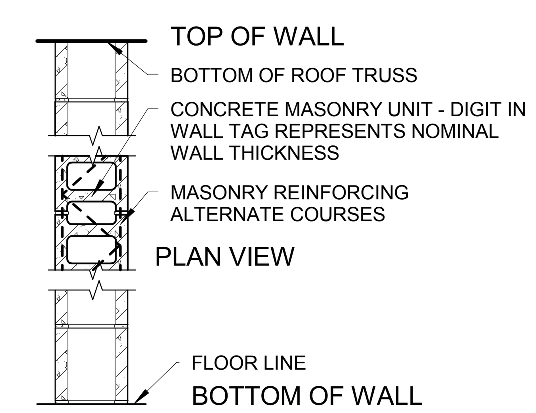
F-1
HOLLOW METAL



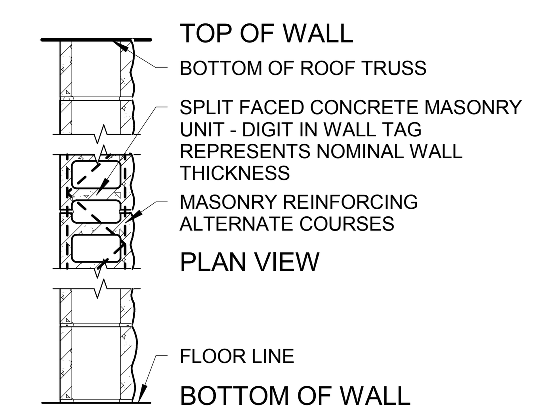
5 Head
1 1/2" = 1'-0"



6 Jamb
1 1/2" = 1'-0"



Wall Type A



Wall Type B

SPECIFICATIONS:

ASPHALT SHINGLES – TYPE I, SELF SEALING, WIND RESISTANT, SQUARE BUTT WITH MAX EXPOSSURE OF 5", MIN. HEADLAP OF 2" AND MIN. WEIGHT OF 210 LBS./100 S.F. – LAY STARTER COURSE OF SHINGLES WITH TABS REVERSED. EXTEND 1/2" BEYOND ROOF EDGES. NAIL AS PER MANUF. RECOMMENDATIONS WITH 1 1/4" LONG, GALV. STEEL, DEFORMED SHANK NAILS WITH 3/8" – 7/16" HEADS. AT RIDGE, BEND SHINGLE LENGTHWISE WITH EQUAL EXPOSURE ON EACH SIDE OF RIDGE. LAP W/ 5" MAX. EXPOSURE. FASTEN W/ ONE NAIL PER SIDE.

ROOFING FELT – 30# FIBERGLASS FELT. COVER ENTIRE ROOF UNDER SHINGLES. LAP MIN. 4" AT ENDS, 2" AT HEAD AND 12" OVER RIDGE. EXTEND 1/2" BEYOND ROOF EDGES. NAIL 5" O.C. ALONG LAPS WITH 3/4" LONG, GALV. STEEL, DEFORMED SHANK NAILS WITH 3/8" – 7/16" HEADS.

METAL DRIP EDGE – STAINLESS STEEL. TYPE 302B, DEAD SOFT TEMPER. FORM DRIP AS SHOWN AT 45 DEGREES FROM VERTICAL TO CARRY WATER AWAY FROM FASCIA. EXTEND VERTICAL PORTION OF DRIP DOWN TO COVER TOP OF FASCIA 3/4" MIN. AND TOP PORTION OF DRIP ON TO ROOF MIN. 3". FASTEN OVER ROOFING FELT AT RAKES AND UNDER ROOFING FELT AT EAVES WITH COMPATIBLE NAILS AT 10" O.C. MAX.

HOLLOW METAL FRAME – ASTM A525 0.067" THICK GALV. STEEL IN CONFIGURATION SHOWN. SHOP PRIME. ANCHOR TO MASONRY WALL WITH 5MM WIRE LOOP TYPE, T-SHAPE OR STRAP & STIRRUP TYPE OF CORRUGAETD OR PERFORATED ZINC COATED 0.042" MIN. STEEL. LOCATE ANCHORS ON JAMBS NEAR TOP & BOTTOM OF FRAME AND VERT. 24" O.C. MAX. EXTEND ANCHORS INTO MASONRY 10" MIN. COAT FRAME BACK WITH BITUMINOUS COATING AND FILL FRAME WITH MORTAR AS WALL IS BUILT.

HOLLOW METAL DOOR – ASTM A1008 COLD ROLLED STEEL FACE SHEETS. DOOR THICKNESS TO BE 1 3/4". CLOSE TOP AND BOTTOM OF DOORS FLUSH TO SEAL OUT MOISTURE. SHOP PRIME.

GYPSUM BOARD - ASTM C1396, TYPE X, 5/8" THICK. FASTEN AT 12" ON CENTER IN FIELD OF THE BOARD AND 8" ON CENTER ALONG EDGES WITH APPROPRIATE SCREWS. STAGGER SCREWS ON ABUTTING EDGES OR ENDS. FINISH JOINTS, EDGES, CORNERS, FASTENER HEADS AND AROUND OPENINGS AND PENETRATIONS IN ACCORDANCE WITH ASTM C840.

CEDAR SHAKE SHINGLES – PRODUCED FROM MADALINE ISLAND RESOURCES - FIRE RETARDANT TREATED CEDAR, SQUARE BUTT, SPLIT SHINGLES. MAXIMUM EXPOSURE OF 7", 18" LONG IN RANDOM WIDTHS, BUT NOT LESS THAN 4" WIDE, WEIGHING APPROXIMATELY 185 LBS/100 SQ. FT. FASTEN SHINGLES WITH GALVANIZED STEEL, 6D SIZE NAILS.

PAINT – EXTERIOR PAINT TO BE SEMI-GLOSS EXTERIOR LATEX ENAMEL - COLOR TO BE SELECTED BY OWNER. INTERIOR PAINT TO BE SEMI-GLOSS EPOXY PAINT - COLOR TO BE SELECTED BY OWNER.

DOOR HARDWARE

EXTERIOR DOOR BUTT HINGES: ANSI A156.1 TYPE A2112/A5112, THREE KNUCKLE, STAINLESS STEEL WITH NONREMOVABLE PINS. THREE HINGES PER DOOR.

OVERHEAD CLOSER: HAGER 5100 SERIES, PARALLEL ARM WITH EXTRA HEAVY DUTY HOLD OPEN CUSHION STOP ARM AND STAINLESS STEEL FULL COVER, OR OWNER APPROVED EQUAL.

DOOR STOPS: ANSI A156.16, TYPE L02011.

DEADBOLT: GRADE 1, HEAVY DUTY, STAINLESS STEEL FINISH WITH BEST LOCK OR EQUAL WITH SMALL FORMAT INTERCHANGABLE CORES.

KICK PLATES: ANSI STANDARD A156.6. TYPE J100 SERIES. 12 INCHES HIGH, 1 1/2" LESS THAN WIDTH OF DOOR AND MINIMUM 0.050 INCHES THICK STAINLESS STEEL, BEVELED ON ALL 4 EDGES.

DOOR PULLS WITH PLATES: ANSI A156.6. PULL TYPE J401, 6 INCHES HIGH BY 3/4 INCHES DIAMETER WITH PLATE TYPE J302, 3-1/2 INCHES BY 14 INCHES. PROVIDE PULL WITH PROJECTION OF 2 3/4 INCHES AND A CLEARANCE OF 2 INCHES. CUT PLATES OF DOOR PULL PLATE FOR CYLINDERS, OR TURN PIECES WHERE REQUIRED.

PUSH PLATES: ANSI A156.6. METAL, TYPE J302, 8 INCHES WIDE BY 14 INCHES HIGH. CUT PLATES FOR CYLINDERS, AND TURN PIECES WHERE REQUIRED.

THRESHOLDS: ANSI A156.21, MILL FINISH EXTRUDED ALUMINUM WITH NON-SLIP ABRASIVE FINISH. EMBED ALUMINUM ANCHORS COATED WITH EPOXY IN CONCRETE TO SECURE THRESHOLDS. FURNISH THRESHOLDS FOR THE FULL WIDTH OF THE OPENINGS.

WEATHERSTRIPS: ANSI A156.22. AIR LEAKAGE SHALL NOT TO EXCEED 0.50 CFM PER FOOT OF CRACK LENGTH.

HARDWARE GROUPS

GROUP 1 – NON-RATED
EACH DOOR TO HAVE:
1 SET (3) EXTERIOR DOOR BUTT HINGES
1 DEADBOLT
1 DOOR PULL WITH PLATE
1 PUSH PLATE
1 OVERHEAD CLOSER
2 KICKPLATE (INTERIOR & EXTERIOR)
1 THRESHOLD
1 WEATHER STRIP

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SUBMITTAL TYPE: Schematic Design
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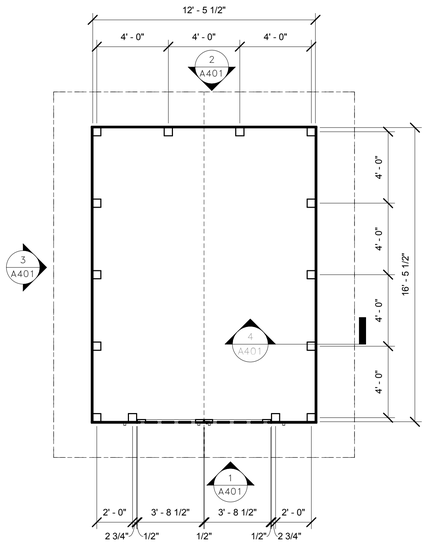
PROJECT NO. 11-098
DRAWING DATE: 4-05-2012

BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

PIT TOILET FLOOR PLAN, ELEVATIONS & SECTION

DRAWN BY: KJK

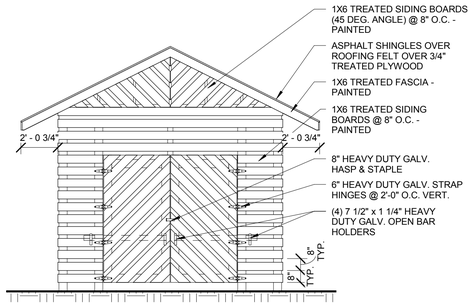
SHEET NO. A301



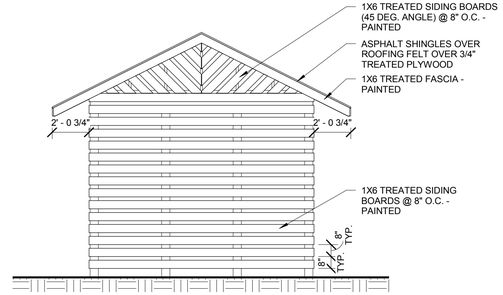
North

FLOOR PLAN

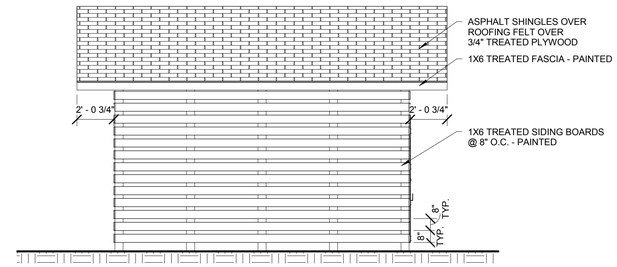
Scale1/4" = 1'-0"



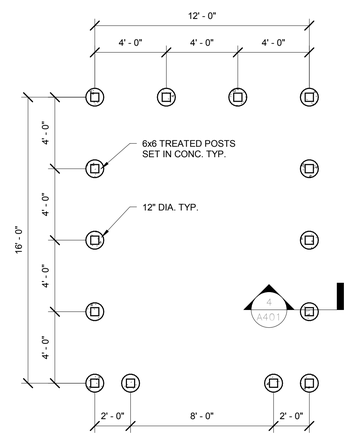
1 SOUTH ELEVATION
1/4" = 1'-0"



2 NORTH ELEVATION
1/4" = 1'-0"



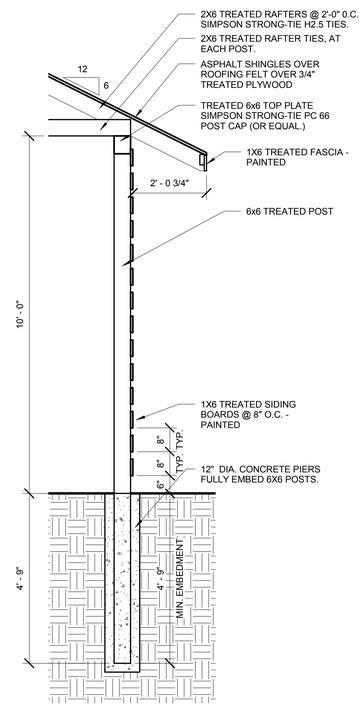
3 EAST/WEST ELEVATION
1/4" = 1'-0"



North

FOUNDATION PLAN

Scale1/4" = 1'-0"



4 WALL SECTION
1/2" = 1'-0"

SPECIFICATIONS:

ASPHALT SHINGLES – TYPE I, SELF SEALING, WIND RESISTANT, SQUARE BUTT WITH MAX EXPOSSURE OF 5", MIN. HEADLAP OF 2" AND MIN. WEIGHT OF 210 LBS./100 S.F. – LAY STARTER COURSE OF SHINGLES WITH TABS REVERSED. EXTEND 1/2" BEYOND ROOF EDGES. NAIL AS PER MANUF. RECOMMENDATIONS WITH 1 1/4" LONG, GALV. STEEL, DEFORMED SHANK NAILS WITH 3/8" – 7/16" HEADS. AT RIDGE, BEND SHINGLE LENGTHWISE WITH EQUAL EXPOSURE ON EACH SIDE OF RIDGE. LAP W/ 5" MAX. EXPOSURE. FASTEN W/ ONE NAIL PER SIDE.

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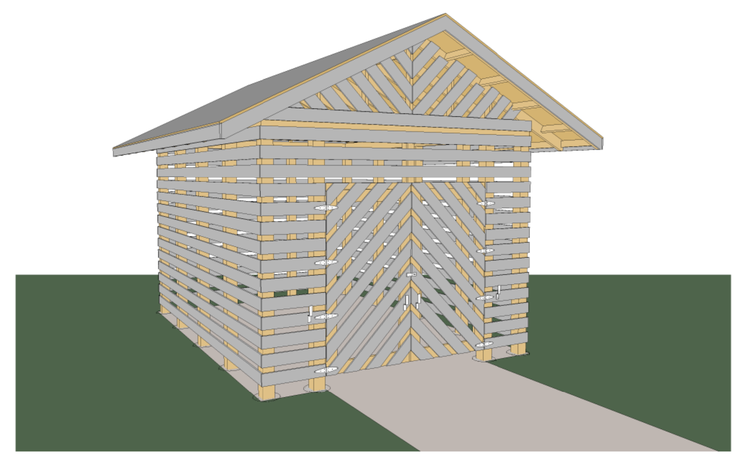
PAINT – EXTERIOR PAINT TO BE SEMI-GLOSS EXTERIOR LATEX ENAMEL - COLOR TO BE SELECTED BY OWNER.



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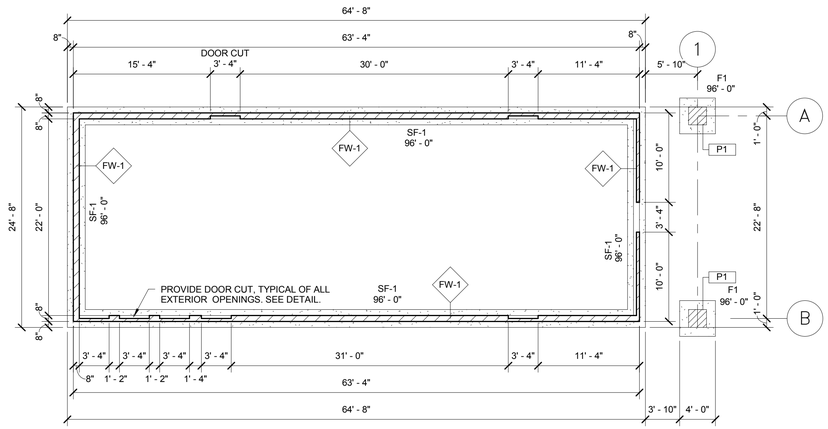
DRAWING DATE: 4-05-2012

BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

WOOD SHED FLOOR PLAN, ELEVATIONS, SCETIONS AND FOUNDATION PLAN

DRAWN BY: KJK

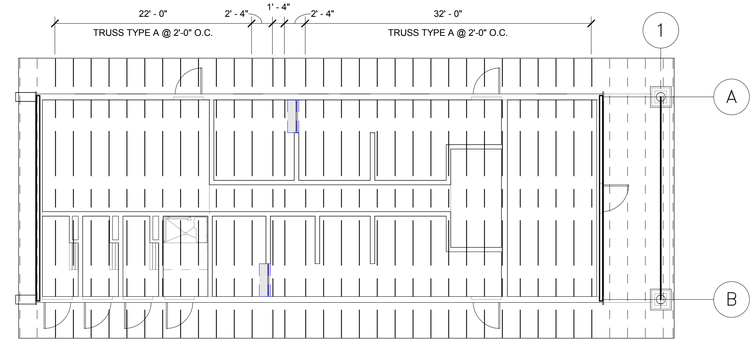
SHEET NO. A401



North

FOUNDATION PLAN

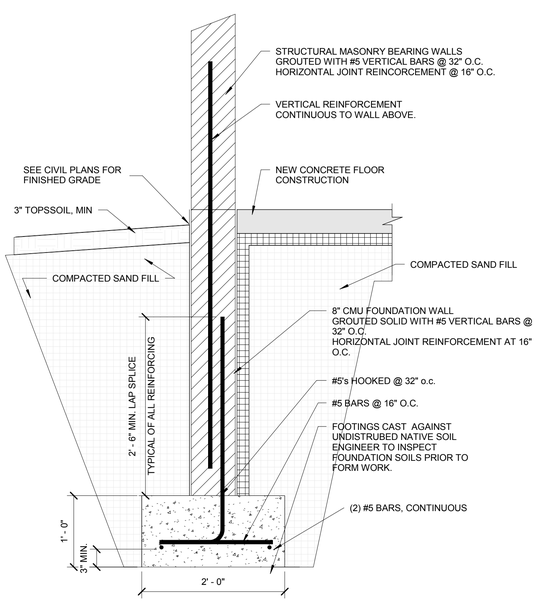
Scale1/8" = 1'-0"



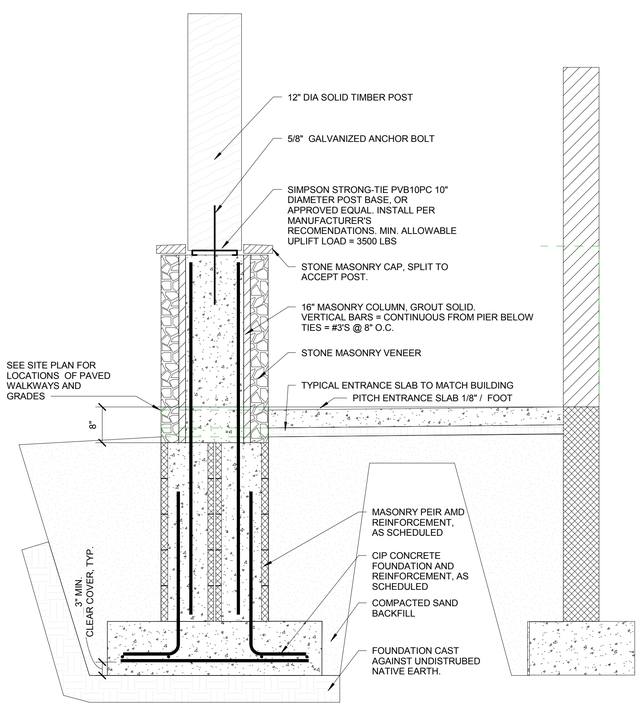
North

ROOF FRAMING PLAN

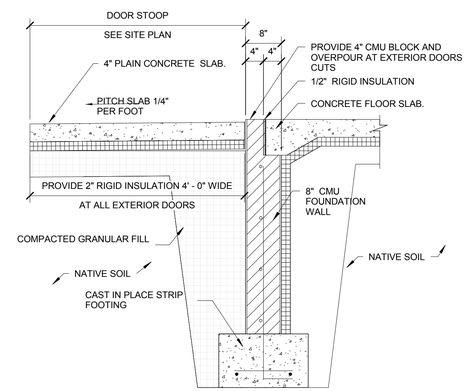
Scale1/8" = 1'-0"



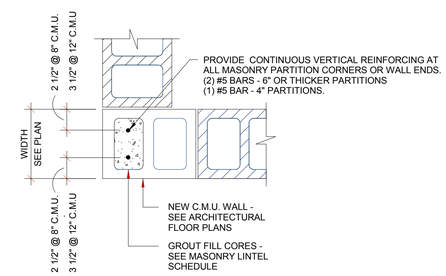
1 MASONRY FROST WALL DETAIL
1" = 1'-0"



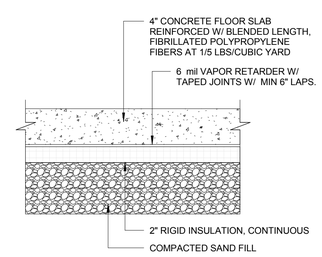
2 MASONTY PIER DETAIL
3/4" = 1'-0"



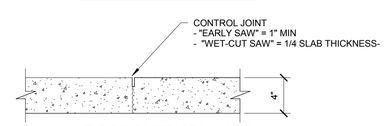
3 TYPICAL DOOR STOOP DETAIL
3/4" = 1'-0"



5 MASONRY CORNER DETAIL
1" = 1'-0"

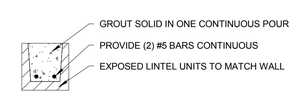


TYPICAL FLOOR CONSTRUCTION



TYPICAL CONTRACTION JOINT

4 TYPICAL CONCRETE SLAB
1 1/2" = 1'-0"



MASONRY LINTEL TYPE 1
PROVIDE AT ALL OPENINGS UP TO 48" UNLESS NOTED OTHERWISE

6 MASONRY LINTEL TYPE 1
1" = 1'-0"

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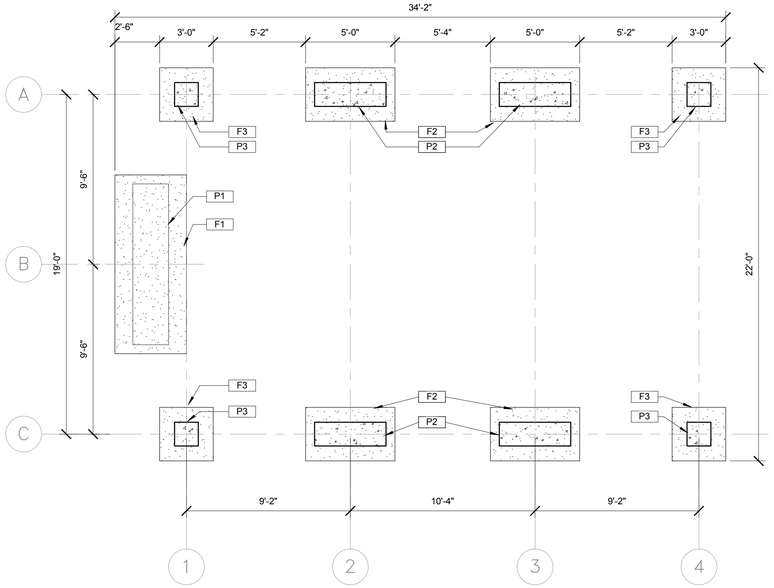
BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

COMFORT STATION FOUNDATION PLAN, ROOF FRAMING PLAN & DETAILS

DRAWN BY: KJK

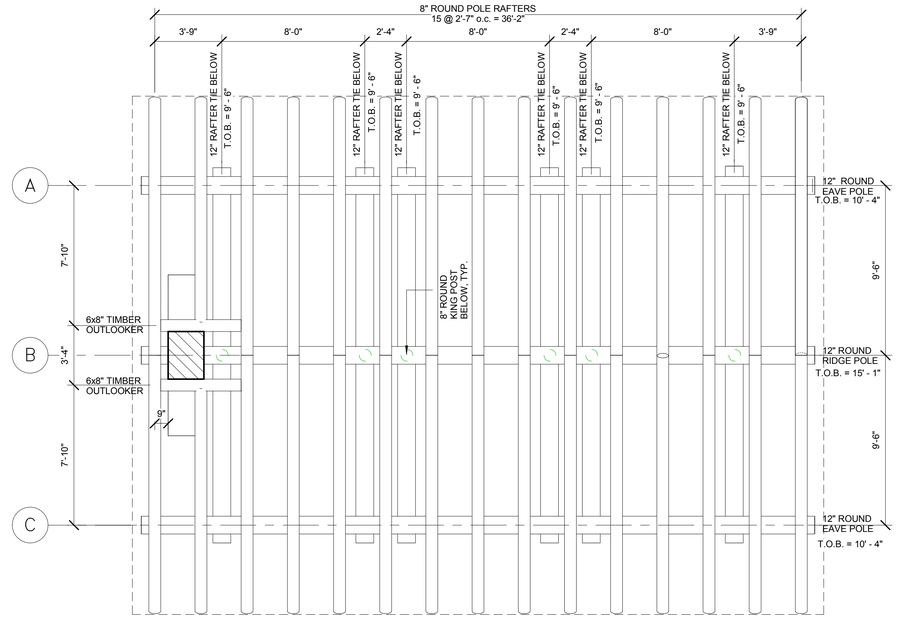
SHEET NO. S101



North

PICNIC SHELTER FOUNDATION PLAN

Scale1/4" = 1'-0"



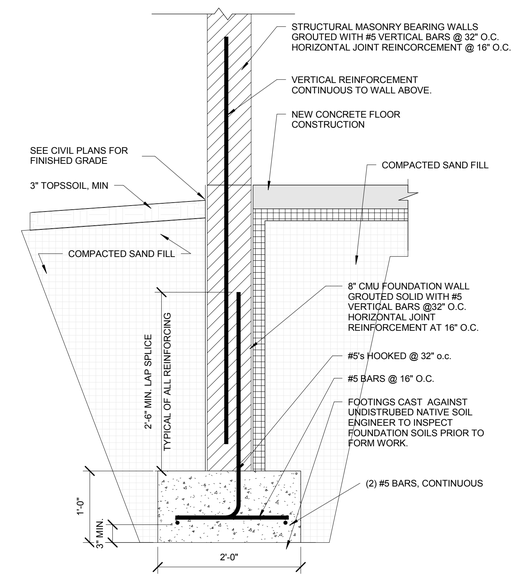
North

PICNIC SHELTER ROOF FRAMING PLAN

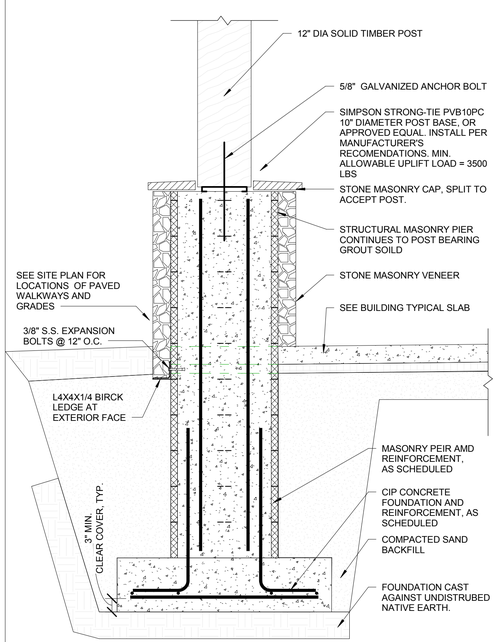
Scale1/4" = 1'-0"

Masonry Pier Schedule					
Keynote	Length	Width	Length	Vertical Reinforcing	Horizontal Reinforcing
P1	9' - 0"	2' - 0"	4' - 0"	(8) #4's	Joint Reinforcing @ 16" o.c.
P2	4' - 0"	1' - 4"	8' - 0"	(6) #4's	Joint Reinforcing @ 16" o.c.
P3	1' - 4"	1' - 4"	8' - 0"	(4) #4's	#3's & 8" o.c.

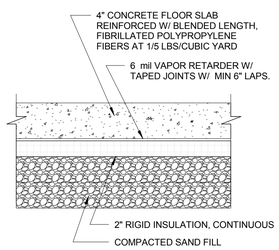
Structural Foundation Schedule					
Keynote	Length	Width	Horizontal Reinforcing, Long	Horizontal Reinforcing, Short	Vertical Reinforcing
F1	10' - 0"	4' - 0"	(5) #4's	(11) #4's	(8) #4's Hooked
F2	5' - 0"	3' - 0"	(4) #4's	(6) #4's	(6) #4's Hooked
F3	3' - 0"	3' - 0"	(4) #4's	(4) #4's	(3) #4's Hooked



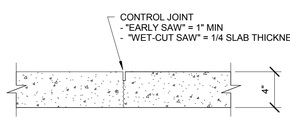
1 TYPICAL FROST WALL (FW-1)
1" = 1'-0"



2 TYPICAL MASONRY PIER
3/4" = 1'-0"

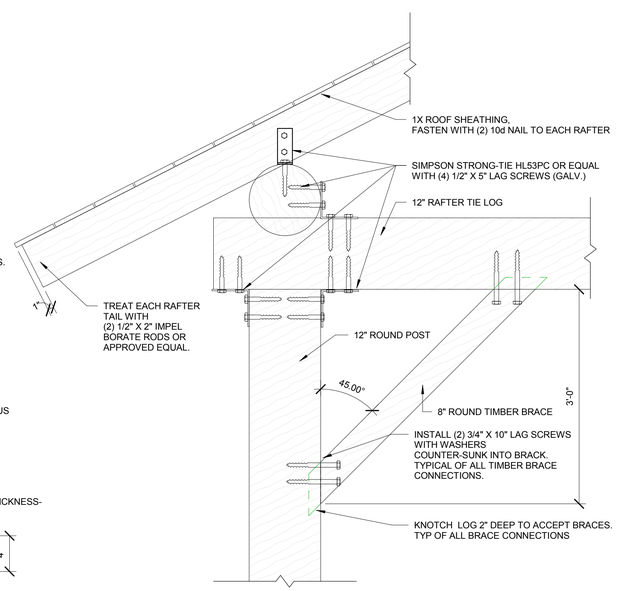


TYPICAL FLOOR CONSTRUCTION

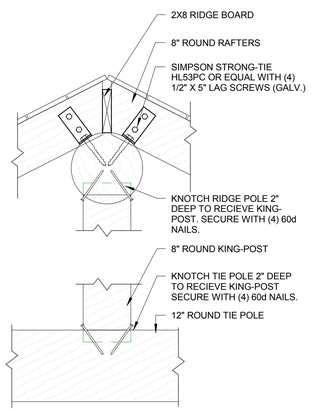


TYPICAL CONTRACTION JOINT

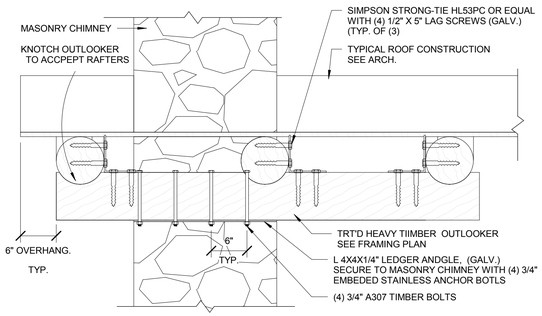
3 TYPICAL 4" CONCRETE FLOOR SLAB
1 1/2" = 1'-0"



4 Log Connections 1
1" = 1'-0"



5 Log Connections 2
1" = 1'-0"



6 OUTLOOKER DETAIL
1" = 1'-0"

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REVISIONS:

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BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

PICNIC SHELTER FOUNDATION PLAN, ROOF FRAMING PLAN & DETAILS

DRAWN BY: KJK

SHEET NO. S201

ELECTRICAL PLAN NOTES:

1. FURNISH AND INSTALL NEW 400 AMP, 240/120 V, SINGLE PHASE ELECTRICAL SERVICE FROM UTILITY SET TRANSFORMER TO SERVE NEW COMFORT STATION. COORDINATE SERVICE INSTALLATION WITH XCEL ENERGY. COMPLETE SERVICE APPLICATION PAPERWORK ON OWNER'S BEHALF.
2. TELEPHONE NETWORK INTERFACE BY PHONE COMPANY. CONTRACTOR TO COORDINATE INTERIOR PHONE JACKS AND DATA JACKS WITH OWNER.
3. FURNISH AND INSTALL 240/120V, 400 AMP, SINGLE PHASE, SERVICE ENTRANCE RATED, SQUARE D NQ SERIES PANELBOARD. PROVIDE 400 AMP MAIN CIRCUIT BREAKER, SINGLE POLE BREAKERS, AND SPACES PER THE PANEL SCHEDULE. COORDINATE SHORT CIRCUIT RATING OF CIRCUIT BREAKERS PER UTILITY FAULT CURRENT. GROUND SERVICE PER NEC.
4. PROVIDE 2X2 FIRE RATED PLYWOOD PAINTED ANSI ELECTRICAL GRAY WITH GROUND BLOCKS AND 110 PUNCHDOWNS FOR PHONE/DATA. PROVIDE TELECOMMUNICATIONS GROUND BAR AND GROUND TELECOMMUNICATIONS SYSTEM PER NEC.
5. PROVIDE ELECTRICAL CONNECTION AND DISCONNECT SWITCH FOR WATER HEATER.
6. MOUNT TOGETHER WITH OCCUPANCY SENSOR.
7. FURNISH, INSTALL AND PROVIDE ELECTRICAL CONNECTION TO HAND DRYERS.
8. FURNISH, INSTALL AND PROVIDE ELECTRICAL CONNECTIONS TO COIN OPERATED SHOWER SYSTEM CONTROLLER MODULE.
9. FURNISH, INSTALL AND PROVIDE ELECTRICAL CONNECTION TO COIN OPERATED SHOWER SYSTEM METER BOXES, LOCK AND KEY SETS, COIN ACCEPTORS, AND SOLENOID VALVES. COORDINATE INSTALLATION OF SOLENOID VALVES WITH PLUMBING CONTRACTOR.
10. PROVIDE ELECTRICAL CONNECTION AND DISCONNECT SWITCH FOR CIRCULATING PUMP.

PANEL SCHEDULE

PANEL NO. A MFR. SQUARE D LOCATION MECHANICAL ROOM

SERVICE VOLTAGE 240/120V BUS RATING 400 AMP MOUNTING SURFACE

DESCRIPTION	AMP	A	CKT.	CKT.	A	AMP	DESCRIPTION
EXTERIOR RECEPTACLES	20	540	1	2	750	20	MEN'S RECEPTACLES
ATTENDANT RECEPTACLES	20	540	3	4	750	20	MEN'S RECEPTACLES
ATTENDANT RECEPTACLES	20	540	5	6	750	20	MEN'S RECEPTACLES
WOMEN'S RECEPTACLES	20	1,000	7	8	540	20	MECHANICAL/STORAGE RECEPTACLES
WOMEN'S RECEPTACLES	20	1,000	9	10	180	20	TELECOMM RECEPTACLE
WOMEN'S RECEPTACLES	20	1,000	11	12	414	20	WOMEN'S / MEN'S LIGHTING
WATER HEATER	200	18,000	13	14	303	20	ATTENDANT / STORAGE LIGHTING
	2P	18,000	15	16	258	20	MECH ROOM / SHOWER LIGHTING
CIRCULATING PUMP	20	92	17	18	186	20	EXTERIOR LIGHTING
SHOWER COIN OPERATORS	20		19	20	1,500	20	HAND DRYER
SPACE	-	-	21	22	1,500	20	HAND DRYER
SPACE	-	-	23	24	0	20	SPARE
SPACE	-	-	25	26	0	20	SPARE
TVSS	60	-	27	28	0	20	SPARE
	2P	-	29	30	0	20	SPARE
TOTALS		40,712			7,131		TOTALS

BUS-A 47,843 MAIN 400 AMP PHASE 1

TOTAL 47,843 LOAD 199

OCCUPANCY SENSOR SCHEDULE					
TAG	MANUFACTURER	MODEL	TYPE	MOUNTING	NOTES
OS 1	HUBBELL	OMNIDT500	PIR/ULTRASONIC	CEILING	1
OS 2	HUBBELL	TD200	TIMER	WALL	
OS 3	HUBBELL	OMNIUS500	ULTRASONIC	CEILING	1

NOTES:

1. PROVIDE HUBBELL MP POWER PACK TO OPERATE SENSOR AND CONTROL LOAD.

LIGHTING SCHEDULE						
TAG	MANUFACTURER	MODEL NUMBER	LAMP TYPE	FINISH	MOUNTING	NOTES
A	METALUX	VT2 132 DR-100% UNV ER81 WL THE SSL U	(1) 32W 5000K T8 FL	WHITE	SURFACE	
B	METALUX	VT2 232 DR-100% UNV ER81 THE SSL U	(2) 32W 5000K T8 FL	WHITE	SURFACE	
C	METALUX	VT2 332 DR-100% UNV ER81 SSL U	(3) 32W 5000K T8 FL	WHITE	SURFACE	
D	LITHONIA	OFLR 6LC 120 MO BZ	2 HEAD LED	BRONZE	WALL	

LIGHTING PLAN NOTES:

1. COORDINATE FIXTURE LOCATIONS, CEILING COMPATIBILITY AND TRIM TYPE WITH ARCHITECT'S REFLECTED CEILING GRID. MAKE ADJUSTMENTS TO FIXTURE MODEL AND LAYOUT AS REQUIRED.
2. ALL FIXTURES SHALL BE PAINTED AFTER FABRICATION.
3. PROVIDE ALL MOUNTING ACCESSORIES, HARDWARE, HANGERS, ETC. NEEDED TO COMPLETE INSTALLATION.
4. EXCEPT FOR HAZARDOUS RATED AND BATTERY COMPONENTS OF EMERGENCY FIXTURES, ALL FLUORESCENT BALLASTS SHALL HAVE A DISCONNECTING MEANS DESCRIBED IN NEC 410.73G. THIS DISCONNECT MUST ACCESSIBLE WITHIN THE FIXTURE AT OR NEAR THE BALLAST.

GENERAL NOTES:

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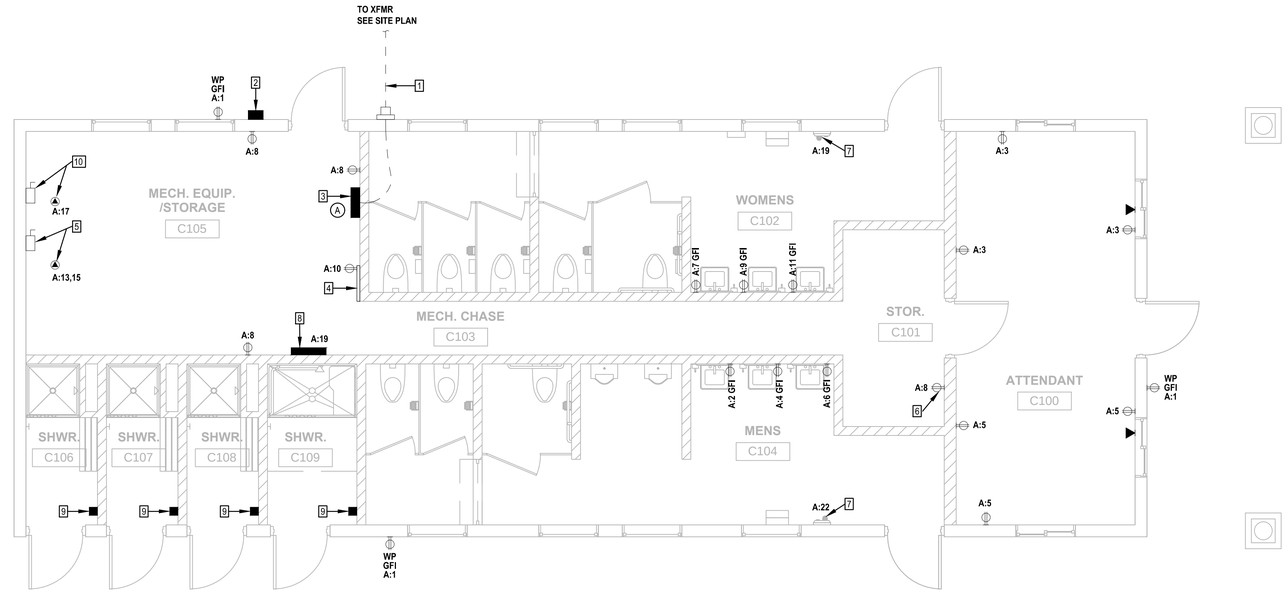
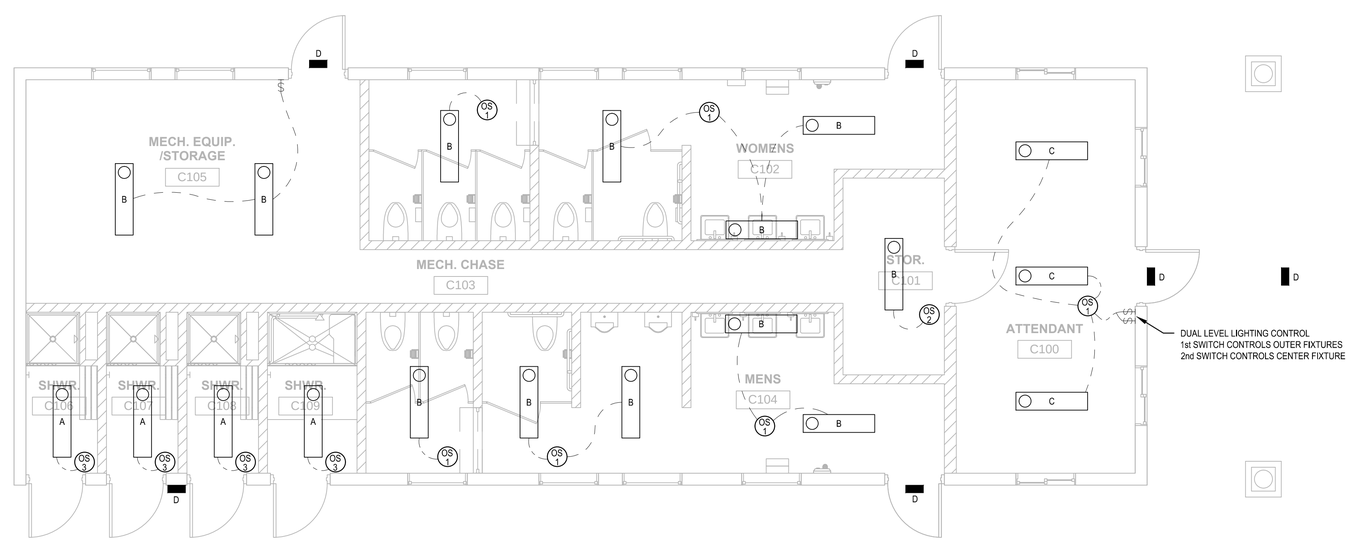
CONTRACTOR MUST FOLLOW ALL LOCAL, STATE AND FEDERAL LAWS AND ORDINANCES AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.



FLOOR PLAN - ELECTRICAL POWER PLAN

SCALE: 1/4" = 1'-0"



FLOOR PLAN - LIGHTING PLAN

SCALE: 1/4" = 1'-0"

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REVISIONS:

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95% Design Dev.	3/14/2012
Final Design	4/05/2012
-	-

PROJECT NO. 11-098

DRAWING DATE: 4-05-2012

BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

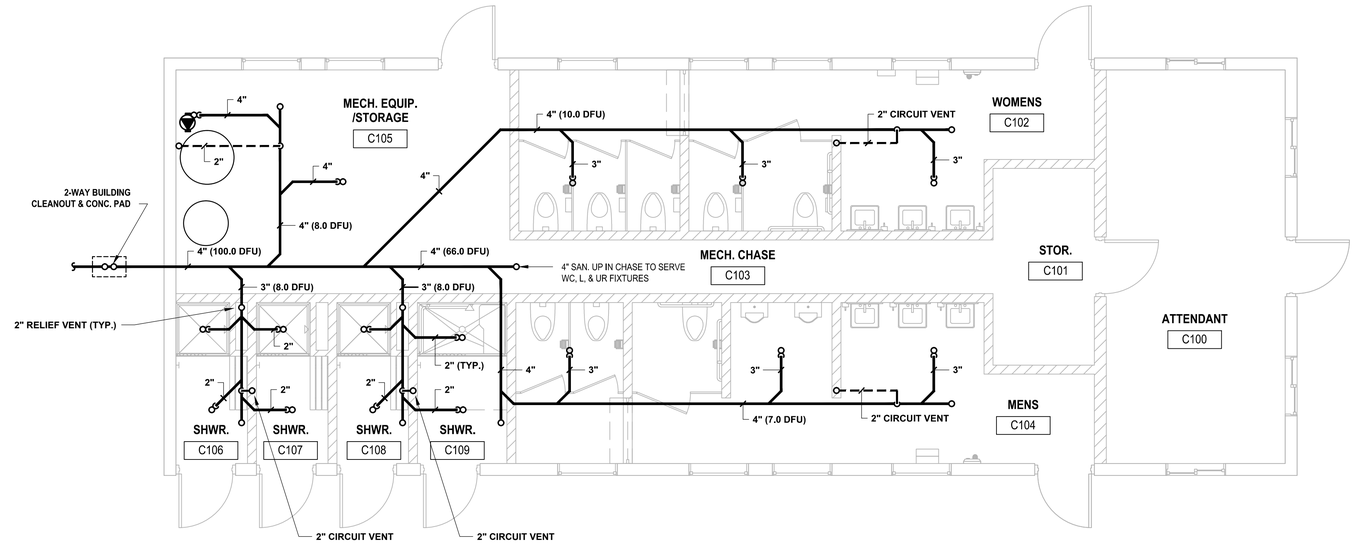
COMFORT STATION
ELECTRICAL PLAN

DRAWN BY: JAS

SHEET NO. E100

TYPICAL PLUMBING SYMBOLS

	NEW SANITARY WASTE LINE
	NEW SANITARY VENT LINE
	NEW HOT WATER LINE
	NEW COLD WATER LINE
	PIPE CAP
	PIPE DOWN
	PIPE UP
	NEW SUPPLY VALVE
	NEW SOLENOID VALVE
	NEW PIPE SERVING FLOOR FIXTURE OR FLOOR DRAIN
	DIRECTION OF PIPE FLOW
C.O.	NEW CLEANOUT
HB-#	NEW HOSE BIBB (SEE FIXTURE SCHEDULE)
FCO	NEW FLOOR CLEAN OUT
FD-#	NEW FLOOR DRAIN (SEE FIXTURE SCHEDULE)
WC-#	NEW WATER CLOSET (SEE FIXTURE SCHEDULE)
UR-#	NEW URINAL (SEE FIXTURE SCHEDULE)
L-#	NEW LAVATORY (SEE FIXTURE SCHEDULE)
V.T.R.	NEW VENT THRU ROOF
EWH-#	NEW WATER HEATER
ET-#	NEW EXPANSION TANK
SH-#	NEW SHOWER (SEE FIXTURE SCHEDULE)
ST-#	NEW STORAGE TANK
CP-#	NEW CIRCULATING PUMP



PLUMBING PLAN - UNDER FLOOR SANITARY

Scale: 1/4" = 1'-0"

GENERAL NOTES:

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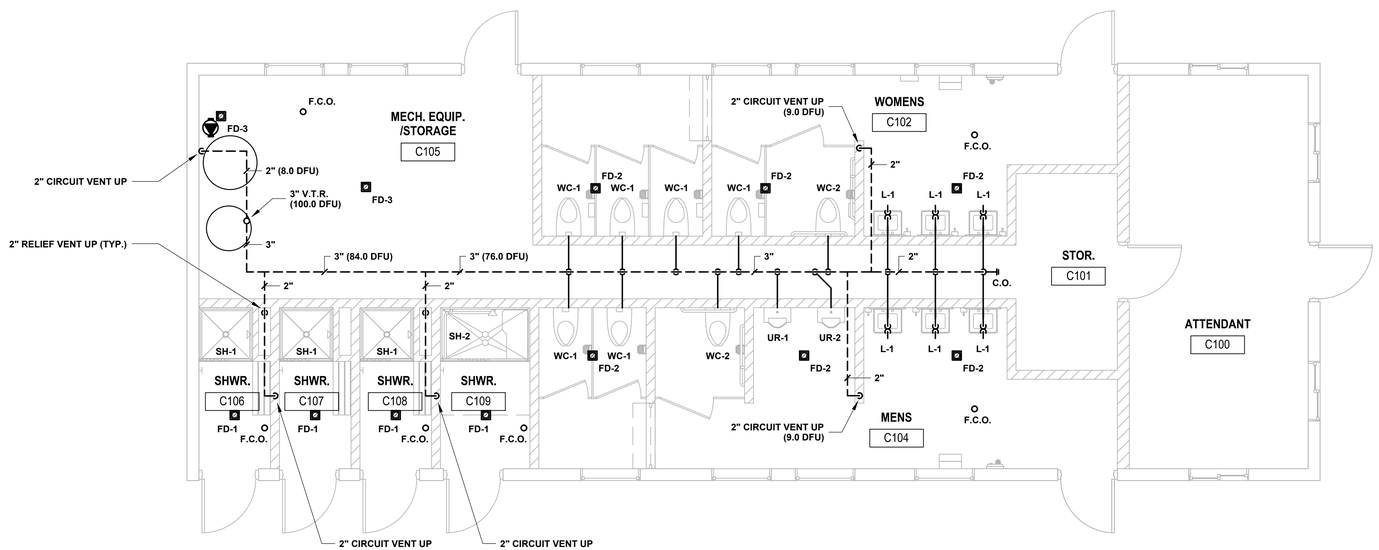

PLUMBING PLAN - ABOVE FLOOR SANITARY & VENT

Scale: 1/4" = 1'-0"

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CHEQUAMEGON BAY ENGINEERING, INC.
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REVISIONS:

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Schematic Design	1/13/2012
95% Design Dev.	3/14/2012
Final Design	4/05/2012
-	---

PROJECT NO. 11-098

DRAWING DATE: 4-05-2012

BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

COMFORT STATION
SANITARY
PLUMBING PLAN

DRAWN BY: JAS

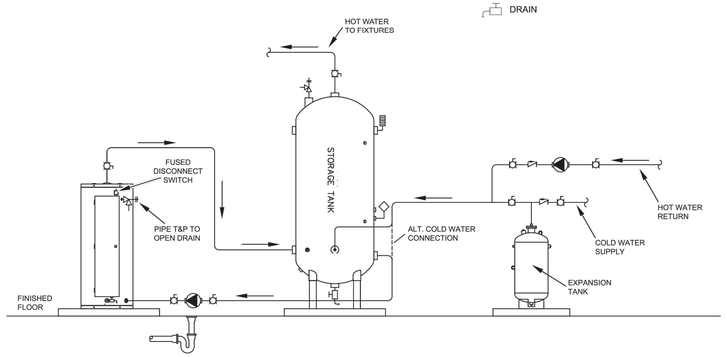
SHEET NO. P200

COMMERCIAL ELECTRIC - (1 UNIT) WITH VERTICAL STORAGE TANK

WARNING: THIS DRAWING SHOWS SUGGESTED PIPING CONFIGURATION AND OTHER DEVICES; CHECK WITH LOCAL CODES AND ORDINANCES FOR ADDITIONAL REQUIREMENTS.

LEGEND

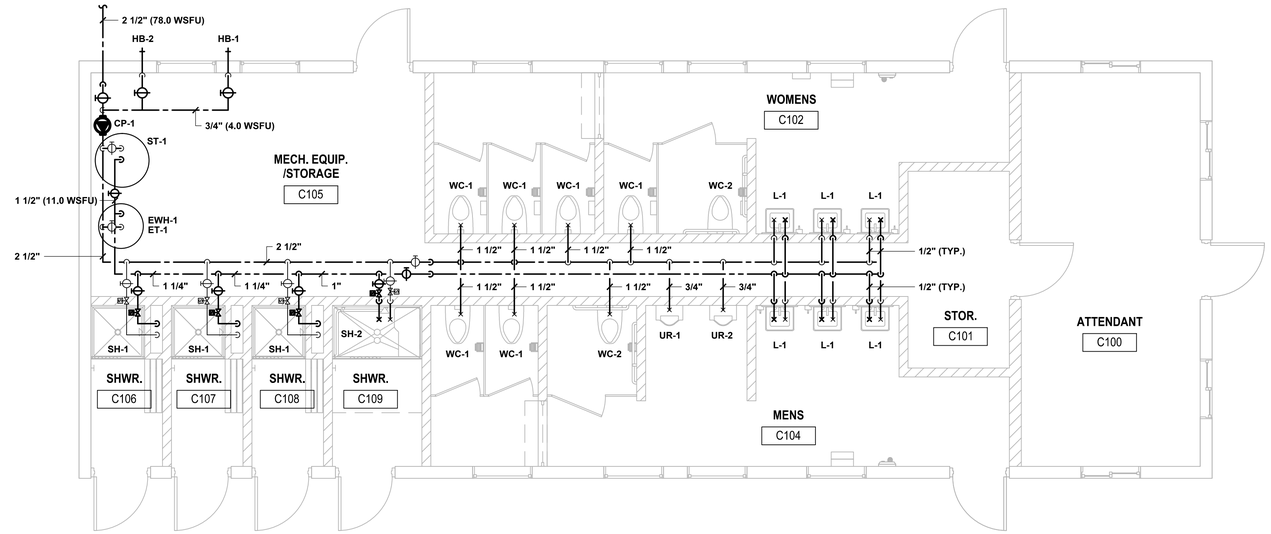
- TEMPERATURE & PRESSURE RELIEF VALVE
- PRESSURE RELIEF VALVE
- CIRCULATING PUMP
- TANK TEMPERATURE CONTROL
- DRAIN
- FULL PORT BALL VALVE
- CHECK VALVE
- TEMPERATURE GAGE
- WATER FLOW SWITCH



NOTES:
1. Preferred piping diagram.
2. The temperature and pressure relief valve setting shall not exceed pressure rating of any component in the system.
3. Service valves are shown for servicing unit. However, local codes shall govern their usage.
4. The Tank Temperature Control should be wired to and control the pump between the water heater(s) and the storage tank(s).
5. The water heater's operating thermostat should be set 5 degrees F higher than the Tank Temperature Control.

WATER HEATER, TANK, PUMP - PLUMBING EQUIPMENT DETAIL

NOT TO SCALE - REF: AO SMITH



PLUMBING PLAN - SUPPLY

Scale: 1/4" = 1'-0"

WATER HEATER EQUIPMENT AND SCHEDULE

QUANTITY	FIXTURE TYPE	MODEL #	NOTES
1	WATER HEATER	AO SMITH, MODEL# TJV-120A	OR COMPARABLE, MATCHING CAPACITY AND ELECTRICAL REQUIREMENTS
1	EXPANSION TANK	AO SMITH, MODEL# PM SERIES	OR COMPARABLE, MATCHING CAPACITY AND ELECTRICAL REQUIREMENTS EXPANSION TANK MODEL MUST BE COORDINATED WITH AVAILABLE WELL PRESSURE, COORDINATE WITH OWNER
1	STORAGE TANK	AO SMITH, MODEL# TJV-120M STD	OR COMPARABLE, MATCHING CAPACITY AND ELECTRICAL REQUIREMENTS
1	CIRCULATING PUMP	AO SMITH, MODEL	OR COMPARABLE, MATCHING CAPACITY AND ELECTRICAL REQUIREMENTS PUMP REQUIREMENTS TO BE DETERMINED ONCE WELL CAPACITY AND PRESSURES ARE DETERMINED, COORDINATE WITH OWNER

PLUMBING CALCULATIONS

QUANTITY	FIXTURE TYPE	SANITARY: FIXTURE VALUE	SANITARY: FIXTURE TOTAL	WATER: CW VALUE	WATER: HW VALUE	WATER: FIXTURE TOTAL	TOTAL WATER: CW VALUE	TOTAL WATER: HW VALUE	LOAD: FIXTURE TOTAL
8	WATER CLOSET (WALL-HUNG)	6.0	48.0	6.5	-	6.5	52.0	-	52.0
6	LAVATORY	1.0	6.0	0.5	0.5	1.0	3.0	3.0	6.0
2	URINAL (WALL-HUNG)	2.0	4.0	2.0	-	2.0	4.0	-	4.0
4	SHOWER	2.0	8.0	2.0	2.0	3.0	8.0	8.0	12.0
4	2-INCH FLOOR DRAIN	2.0	8.0	-	-	-	-	-	-
6	3-INCH FLOOR DRAIN	3.0	18.0	-	-	-	-	-	-
2	4-INCH FLOOR DRAIN	4.0	8.0	-	-	-	-	-	-
2	3/4" HOSE BIBB	-	-	8.0	-	8.0	8.0	-	8.0
			TOTAL				CW	HW	TOTAL
	TOTAL SANITARY LOAD (DFU):		100.0	TOTAL WATER LOAD (WSFU):			79.0	11.0	90.0
						TOTAL GALLONS PER MINUTE (GPM):			64.3

SEASONAL DOMESTIC WATER DRAINAGE:

INSTALL PIPING TO FACILITATE SEASONAL DRAINAGE PROVIDING POSITIVE SLOPE TO POINTS OF DRAINAGE. PROVIDE AUXILIARY DRAINS AT ALL LOW POINTS AND TRAPPED CONNECTIONS AND BLOW-OUT FITTINGS TO PERMIT COMPLETE DRAINAGE.

GENERAL NOTES:

SCHEMATIC DIAGRAMS SHOWN ON THESE DRAWINGS ARE SUGGESTED ROUTES FOR WATER, SANITARY AND ELECTRICAL DESIGN. COORDINATION BETWEEN THE CONTRACTOR AND OWNER ALLOW FOR ALTERATIONS AND DEVIATIONS FROM THIS PLAN. SAID DEVIATIONS ARE TO BE DOCUMENTED BY THE CONTRACTOR AND AGREED UPON BY THE OWNER PRIOR TO SUCH CHANGES BEING CONSTRUCTED ON SITE.

CONTRACTOR MUST FOLLOW ALL LOCAL, STATE AND FEDERAL LAWS AND ORDINANCES AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.

EQUIPMENT & FIXTURE PIPING SCHEDULE

MARK	FIXTURE NAME	ITEMS & CONNECTIONS BY PLUMBING CONTRACTOR: WASTE	VENT	TRAP	HOT WATER	COLD WATER	GAS	REMARKS
WC-1	WALL-MOUNTED WATER CLOSET	4"	2"	4"	-	1 1/2"	-	WALL-MOUNTED WATER CLOSET WITH FLUSH VALVE
WC-2	WALL-MOUNTED WATER CLOSET	4"	2"	4"	-	1 1/2"	-	SAME AS WC-1, FIXTURE & INSTALLATION TO COMPLY WITH ADA (BARRIER FREE)
UR-1	WALL-HUNG URINAL (WASHDOWN)	2"	1 1/2"	2"	-	3/4"	-	WALL-HUNG URINAL WITH FLUSH VALVE
UR-2	WALL-HUNG URINAL (WASHDOWN)	2"	1 1/2"	2"	-	3/4"	-	SAME AS UR-1, FIXTURE & INSTALLATION TO COMPLY WITH ADA (BARRIER FREE)
L-1	WALL-HUNG LAVATORY	2"	1 1/2"	2"	1/2"	1/2"	-	WALL-HUNG LAVATORY WITH METERED FAUCET, ADA COMPLIANT
SH-1	SHOWER	2"	1 1/2"	2"	3/4"	3/4"	-	COIN-OPERATED SHOWER ASSEMBLY WITH THERMOSTATIC CONTROLS
SH-2	SHOWER	2"	1 1/2"	2"	3/4"	3/4"	-	ADA COMPLIANT (ROLL-IN), COIN-OPERATED SHOWER ASSEMBLY WITH THERMOSTATIC CONTROLS
FD-1	2" FLOOR DRAIN	2"	1 1/2"	2"	-	-	-	2" CAST IRON FLOOR DRAIN w/ 6" x 6" SQUARE NICKEL-BRONZE STRAINER
FD-2	3" FLOOR DRAIN	3"	1 1/2"	3"	-	-	-	3" CAST IRON FLOOR DRAIN w/ 6" x 6" SQUARE NICKEL-BRONZE STRAINER
FD-3	4" FLOOR DRAIN	4"	1 1/2"	4"	-	-	-	4" CAST IRON FLOOR DRAIN w/ 6" x 6" SQUARE NICKEL-BRONZE STRAINER
HB-1	HOSE BIBB	-	-	-	-	3/4"	-	AUTOMATIC DRAINING, FREEZE-PROOF HOSE BIBB WITH INTEGRAL VACUUM BREAKER
HB-2	HOSE BIBB	-	-	-	-	3/4"	-	AUTOMATIC DRAINING, FREEZE-PROOF HOSE BIBB WITH INTEGRAL VACUUM BREAKER

NOTES:
1. ALL PLUMBING FIXTURES AND EQUIPMENT SHALL BE EQUIPPED WITH INDEPENDENT (OTHER THAN FAUCET) CONTROL VALVES. PROVIDE ACCESS PANELS AS NECESSARY.
2. PROVIDE PIPING PROTECTION ON ALL EXPOSED PIPING BENEATH LAVATORIES AND SINKS (NO EXCEPTIONS).
3. ALL SHOWERS SHALL BE EQUIPPED WITH SOLENOID VALVES FOR TIMED OPERATION. COORDINATE WITH ELECTRICAL CONTRACTOR.

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REVISIONS:

SUBMITTAL TYPE:	ISSUE DATE:
Schematic Design	1/13/2012
95% Design Dev.	3/14/2012
Final Design	4/05/2012
-	-

PROJECT NO. 11-098

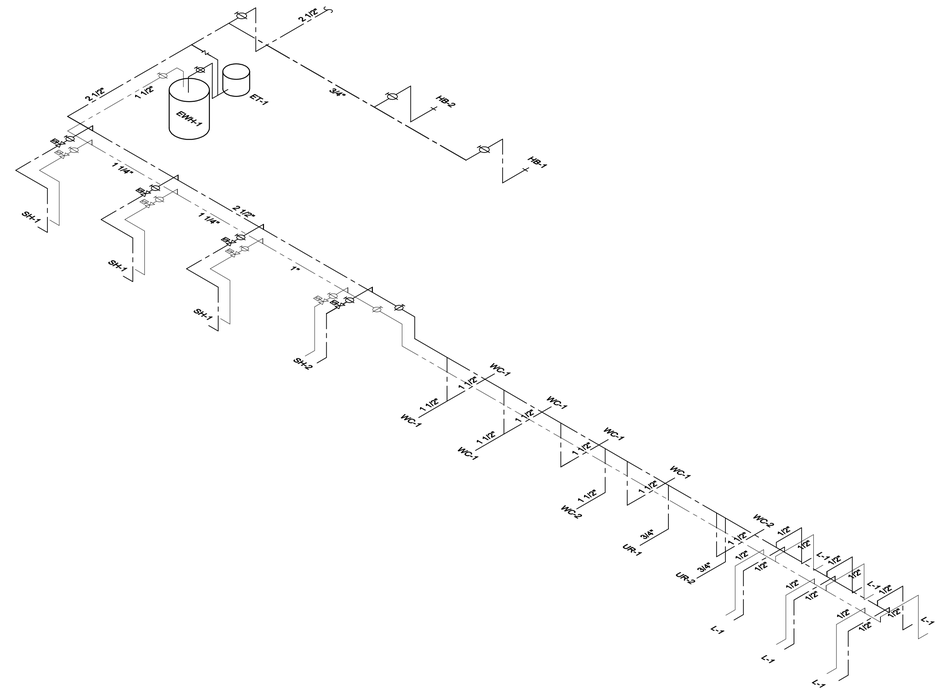
DRAWING DATE: 4-05-2012

BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

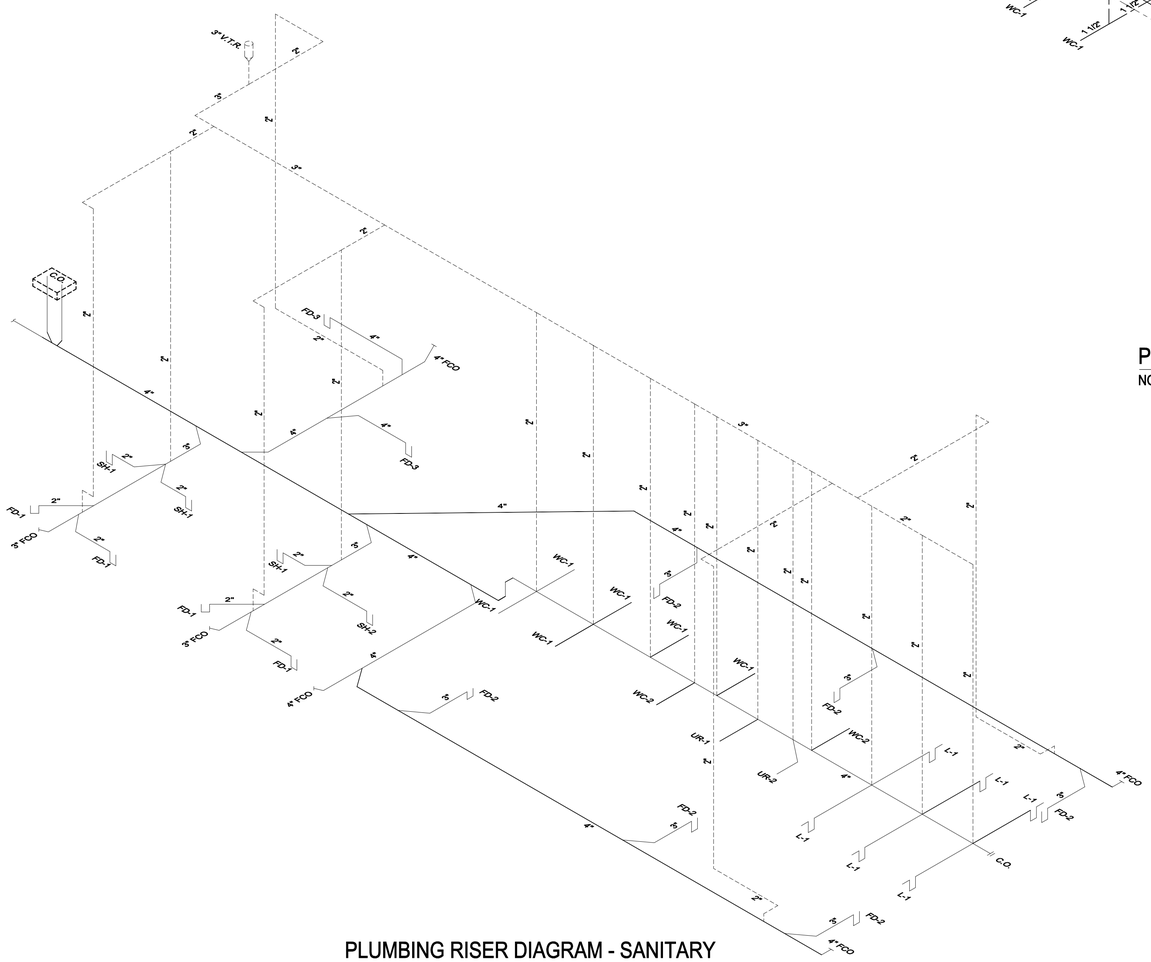
COMFORT STATION
SUPPLY
PLUMBING PLAN

DRAWN BY: JAS

SHEET NO. P201



PLUMBING RISER DIAGRAM - SUPPLY
NO SCALE



PLUMBING RISER DIAGRAM - SANITARY
NO SCALE

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CHEQUAMEGON BAY ENGINEERING, INC.

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BIG BAY TOWN PARK
PHASE I IMPROVEMENTS
Town of La Pointe, Madeline Island
Ashland County, Wisconsin

COMFORT STATION
PLUMBING RISER
DIAGRAMS

DRAWN BY: JAS

SHEET NO. P202