PLOT DATE: 04/17/2020

EXHIBIT "A"

WARNER BEACH PARK SHELTER

1101 WOODWARD DR, MADISON WI 53704

CONTRACT #8850/MUNIS #11971

ARCHITECT:
DESTREE DESIGN ARCHITECTS, INC.
222 WEST WASHINGTON AVE. SUITE 310
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THOMAS R. BOEHNEN JR, P.E., S.E.
CELL: 608-206-0521
ESCHELONSTRUCTURES@CHARTER.NET

CIVIL ENGINEER:
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CONTACT: PFORTLAGE@BSE-INC.NET

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OWNER:
CITY OF MADISON
PARKS DIVISION

PROJECT MANAGER FOR CITY ENGINEERING DIVISION
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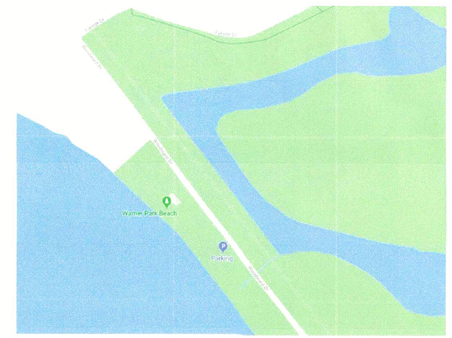
RENDERING



SITE LOCATION MAP

PLANS
S
VENTILATION
onally
OVED
MADISON
5-1-20
CORRESPONDENCE

DEFINITIONS:

F.E.C - FIRE EXTINGUISHER CABINET
GWB - GYPSUM WALL BOARD
O.F.C.I. - OWNER FURNISHED CONTRACTOR INSTALLED
C.F.C.I. - CONTRACTOR FURNISHED CONTRACTOR INSTALLED
TYP - TYPICAL
XTG - EXISTING

SYMBOL LEGEND:

- P-X — DETAIL AND WALL PARTITION TYPE CALLOUT
- XX — INTERIOR ELEVATION CALLOUT
- XXXX — DETAIL CALLOUT
- X — KEYNOTE CALLOUT
- X — WINDOW CALLOUT
- DEMO WALL
- XTG WALL
- NEW WALL
- DEMO DOOR
- NEW DOOR

PAINT COLOR SELECTIONS:

P-1	TIMBER BARK- JAMES HARDIE
P-2	BLACK- MATCH ALUM STOREFRONT
P-3	HALLMAN LINDSAY - NEW PARKS IVORY
P-4	SW ROYCROFT #2848, WATER BASED TILE CLAD EPOXY

*****ALL COLORS TO BE APPROVED BY ARCHITECT

GENERAL NOTES:

1. FIELD VERIFY ALL DIMENSIONS, CONSULT ARCHITECT W/ INCONSISTENCIES.
2. CONTRACTOR TO COMPLY WITH ALL APPLICABLE BUILDING CODES.
3. ALL SHOP DRAWINGS TO BE APPROVED BY ARCHITECT / OWNER

DESIGN LOADS

1. DESIGN CODE DATA
   IBC 2015 (WI Commercial Building Code, Chapter 62)
   ASCE 7-10: MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES
   ACI 318-08: BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY
   ACI 530-08/ASCE 5-08/TMS 402-08: BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES
   AF & PA NDS-01: NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION WITH 2005 SUPPLEMENT
   AISC 335-89S1: SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS
   AISC 341-02: SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS
   BUILDING OCCUPANCY CATEGORY II (PER ASCE 7-10 TABLE 1-1)

4. ROOF LIVE LOADS (ASCE 7-10) 20 PSF (REDUCIBLE)

   DEFLECTION LIMITS
   ROOF MEMBERS
   LIVE LOAD
   L/240
   SNOW LOAD
   L/240
   WIND LOAD
   L/240
   DEAD LOAD + LIVE LOAD
   L/180
   EXTERIOR WALLS WITH SIDING WIND LOAD
   L/180
   EXTERIOR WALLS WITH MASONRY VENEER WIND LOAD
   L/600

5. SNOW LOAD (ASCE 7-10)

GROUND SNOW LOAD (Pg)	30 PSF
EXPOSURE FACTOR (Ce)	1.0
THERMAL FACTOR (Ct)	1.2
SNOW LOAD IMPORTANCE FACTOR (Is)	1.0
FLAT ROOF SNOW LOAD (Pf)	25.2 PSF
FUTURE-P.V PANELS LOAD ON ROOF	7 PSF

7. WIND LOADS (ASCE 7-10)

BASIC WIND SPEED (3-SEC GUST)	115 MPH
DIRECTIONALITY (Kd)	0.85
WIND IMPORTANCE FACTOR (Iw)	1.00
WIND EXPOSURE CATEGORY	D
TOPOGRAPHIC FACTOR (Kzt)	1.0
ENCLOSURE CLASSIFICATION	
ENCLOSED	
INTERNAL PRESSURE COEFFICIENT (GCpi)	+/- 0.18
BASE VELOCITY PRESSURE (Qh)	29.6 PSF

CODE SUMMARY:

PROJECT DESCRIPTION: PARK SHELTER W/ TOILET ROOMS
CONSTRUCTION TYPE: 5B
HEIGHT: ONE STORY

SQUARE FOOTAGES

BUILDING FOOTPRINT = 435SF
CONCRETE APRON AREA = 2239SF
ROOF AREA = 1387SF

PUBLIC IMPROVEMENT PROJECT APPROVED:
RES-20-00241

FILE ID 59903 DATE: MARCH 31,2020
BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:
W. Greg Fries
City Engineer
6/11/20
Date

SHEET INDEX:

TITLE

T000	COVER

SITE & CIVIL

C001	CIVIL DETAILS
C100	EXISTING CONDITIONS (OVERALL)
C101	EXISTING CONDITIONS (WEST)
C102	EXISTING CONDITIONS (EAST)
C200	DEMOLITION PLAN (WEST)
C201	DEMOLITION PLAN (EAST)
C300	EROSION CONTROL PLAN (WEST)
C301	EROSION CONTROL PLAN (EAST)
C400	SITE PLAN (OVERALL)
C401	SITE PLAN (WEST)
C402	SITE PLAN (EAST)
C500	GRADING PLAN (WEST)
C501	GRADING PLAN (EAST)
C600	UTILITY PLAN

LANDSCAPE (FOR REFERENCE ONLY)

L100	EXISTING LANDSCAPE PLAN
L101	PROPOSED LANDSCAPE PLAN
L102	PROPOSED LANDSCAPE PLAN
L103	PROPOSED LANDSCAPE ISLANDS

ARCHITECTURAL

S100	FOUNDATION & FRAMING PLANS
S101	STRUCTURAL DETAILS
A101	FLOOR PLAN CLEARSTORY PLAN
A102	ROOF PLAN & DETAILS
A300	EXTERIOR ELEVATIONS
A301	EXTERIOR ELEVATIONS
A500	BUILDING SECTIONS
A501	BUILDING SECTIONS & DETAILS

MEP

E101	SHELTER - ELECTRICAL PLANS
E102	ELECTRICAL SCHEDULES, DETAILS AND RISER
H101	SHELTER - HVAC PLAN, SCHEDULES AND DETAILS
P101	SHELTER - PLUMBING PLAN
P102	PLUMBING SCHEDULES AND DETAILS

WISCONSIN PROFESSIONAL ENGINEER PETER D. FORTLAGE E-17-2020 5/7/2020
CIVIL STAMP

WISCONSIN MICHAEL E. HEIN E-22038 MADISON WI PROFESSIONAL ENGINEER 5-7-2020
MEP STAMP

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WARNER BEACH PARK
SHELTER
1101 WOODWARD DR
MADISON, WI 53704
CONTRACT #8850 / MUNIS #11971

ISSUANCES:
5.7.20 PERMIT CD's

WISCONSIN MELISSA DESTREE 8953-5 MADISON, WI ARCHITECT 5-7-2020
ARCH STAMP

PROJECT #: 190630.00
SHEET NUMBER
T000

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PLOT DATE: 06/02/2020

GENERAL NOTES:

1. ALL CIVIL WORK (EARTHWORK AND MISCELLANEOUS CONSTRUCTION, CONCRETE & CONCRETE STRUCTURES, PAVEMENTS, SEWER & SEWER STRUCTURES, TRAFFIC ENGINEERING ELECTRICAL & PAVEMENT MARKINGS, WATER MAINS AND SERVICE LATERALS) SHALL COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. ALL PRIVATE UTILITIES (GAS, ELECTRIC, AND TELECOMMUNICATIONS) SERVING EXISTING BUILDINGS SCHEDULED FOR DEMOLITION TO BE ABANDONED OR REMOVED BY CORRESPONDING UTILITY COMPANY.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF UNDERGROUND UTILITIES. UTILITIES WERE LOCATED BY OBSERVED EVIDENCE, MARKINGS PROVIDED BY DIGGER'S HOTLINE, AND RECORD DRAWINGS FROM THE CITY OF MADISON.
4. CONTRACTOR SHALL VERIFY THE SIZE, TYPE, SLOPE, AND INVERTS OF ALL EXISTING STORM AND SANITARY LATERALS CALLED OUT TO BE CONNECTED TO. CONTRACTOR SHALL SUBMIT THE INFORMATION ON THE PIPES TO THE CITY INSPECTOR AND PROJECT CIVIL ENGINEER.
5. ANY SIDEWALK, CURB, OR OTHER PUBLIC PROPERTY DAMAGED AS PART OF THE CONSTRUCTION OF THE UTILITIES AND BUILDING SHALL BE REPLACED IN-KIND PER THE CITY OF MADISON STANDARD SPECIFICATIONS.
6. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF THE CITY.

DEMOLITION NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSING IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES, OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING DRIVES, DRAINAGE, STRUCTURES, UTILITIES, ETC., SUCH THAT THE IMPROVEMENTS SHOWN ON THE REMAINING PLANS CAN BE CONSTRUCTED. ALL FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE SPECIFICATIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR DEMOLITION AND DISPOSAL. A SEWER PLUG PERMIT WILL BE REQUIRED WITH THE DEMOLITION OF THE EXISTING SHELTER BUILDING.
3. THE CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY FORCING ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CITY IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
4. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THIS PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES FOR ONSITE LOCATIONS OF EXISTING UTILITIES. NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
5. ALL EXISTING SEWERS, PIPING, AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES BEFORE PROCEEDING WITH THE WORK. UTILITIES DETERMINED TO BE ABANDONED AND LEFT IN PLACE SHALL BE GROUTED IF UNDER BUILDINGS.
6. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE, AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE.
7. CONTRACTOR SHALL PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, COVERED WALKWAYS, ETC. CONTRACTOR SHALL SUBMIT THEIR STREET OCCUPANCY PLAN TO TRAFFIC ENGINEERING FOR APPROVAL.
8. PRIOR TO DEMOLITION OCCURRING, ALL APPLICABLE EROSION CONTROL DEVICES ARE TO BE INSTALLED.
9. THE CONTRACTOR MAY LIMIT SAWCUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS, BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR IN KIND.
10. DAMAGE TO ALL EXISTING CONDITIONS TO REMAIN WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
11. CONTINUOUS ACCESS SHALL BE MAINTAINED FOR THE SURROUNDING PROPERTIES AT ALL TIMES DURING DEMOLITION OF THE EXISTING FACILITIES.

EROSION CONTROL NOTES/SPECIFICATIONS:

1. EROSION CONTROL DEVICES AND/OR STRUCTURES SHALL BE INSTALLED PRIOR TO CLEARING AND GRUBBING OPERATIONS. THESE SHALL BE PROPERLY MAINTAINED FOR MAXIMUM EFFECTIVENESS UNTIL VEGETATION IS RE-ESTABLISHED.
2. EROSION CONTROL IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ACCEPTANCE OF THIS PROJECT. EROSION CONTROL MEASURES AS SHOWN SHALL BE THE MINIMUM PRECAUTIONS THAT WILL BE ALLOWED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECOGNIZING AND CORRECTING ALL EROSION CONTROL PROBLEMS THAT ARE THE RESULT OF CONSTRUCTION ACTIVITIES. ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE DEVELOPER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
3. ALL EROSION CONTROL MEASURES AND STRUCTURES SERVING THE SITE MUST BE INSPECTED AT LEAST WEEKLY OR WITHIN 24 HOURS OF THE TIME 0.5 INCHES OF RAIN IS PRODUCED. ALL MAINTENANCE WILL FOLLOW AN INSPECTION WITHIN 24 HOURS. INSPECTION SCHEDULE AND RECORD KEEPING SHALL COMPLY WITH NR 216.46(9), WIS. ADM. CODE AND CITY OF MADISON REPORTING REQUIREMENTS.
4. CONSTRUCTION ENTRANCES – PROVIDE A STONE TRACKING PAD AT EACH POINT OF ACCESS. INSTALL ACCORDING TO WDNR STANDARD 1057. REFER TO WDNR'S STORMWATER WEB PAGE OF TECHNICAL STANDARDS AT: HTTP://DNR.WI.GOV/TOPIC/STORMWATER/STANDARDS/CONST_STANDARDS.HTML. THE TRACKING PAD MUST BE MAINTAINED IN A CONDITION THAT PREVENTS THE TRACKING OF MATERIAL ONTO THE PUBLIC STREET.
5. TEMPORARY STABILIZATION USING ANIONIC POLYMER. AFTER NOVEMBER 1, 2020, ANIONIC POLYACRYLAMIDE WILL BE APPLIED TO ALL DISTURBED AREAS WHERE THE MUNICIPALITY'S ENGINEER OR WDNR REPRESENTATIVES DEEM STABILIZATION AND/OR EROSION TO BE PROBLEMATIC. APPLICATION OF POLYACRYLAMIDE WILL BE ACCORDING TO WDNR CONSERVATION PRACTICE STANDARD 1050, EROSION CONTROL LAND APPLICATION OF ANIONIC POLYACRYLAMIDE. REFER TO WDNR'S STORMWATER WEB PAGE OF TECHNICAL STANDARDS AT: HTTP://DNR.WI.GOV/TOPIC/STORMWATER/STANDARDS/CONST_STANDARDS.HTML
6. SOIL STOCKPILES – A ROW OF SILT FENCE PLACED DOWNSLOPE AND AT LEAST 10 FEET AWAY FROM THE STOCKPILE SHALL PROTECT ALL STOCKPILES. SOIL STOCKPILES THAT ARE INACTIVE FOR MORE THAN 14 CONSECUTIVE DAYS SHALL BE STABILIZED WITH SEED & MULCH, EROSION MAT, POLYMER, OR COVERED WITH TARPS OR SIMILAR MATERIAL. NO STOCKPILE SHALL BE PLACED WITHIN 20 FEET OF A DRAINAGE WAY.
7. DEWATERING – WATER PUMPED FROM THE SITE SHALL BE TREATED BY USING A TEMPORARY SEDIMENTATION BASIN, PORTABLE DEWATERING BASIN, GEOTEXTILE BAG, OR AN EQUIVALENT DEVICE. SHOW ON THE PLAN THE ANTICIPATED LOCATIONS OF DEWATERING ACTIVITY, AND PROVIDE AN ENGINEERING DETAIL OF THE DEWATERING SYSTEM. DEVISES SHALL COMPLY WITH WDNR TECHNICAL STANDARD 1061 FOUND AT: HTTP://DNR.WI.GOV/TOPIC/STORMWATER/STANDARDS/CONST_STANDARDS.HTML THIS WATER SHALL BE DISCHARGED IN A MANNER THAT DOES NOT INDUCE EROSION OF THE SITE OR ADJACENT PROPERTY.

PUMP SIZE (MAX GPM)	TYPE I BAG SIZE (SQ-FT)
50	25
100	50
150	75

8. STORM SEWER INLETS – PROVIDE WDOT TYPE D "CATCHALL" INLET PROTECTION OR EQUIVALENT. REFER TO THE CITY OF MADISON STANDARD SPECIFICATIONS. INLET PROTECTION SHALL BE INSTALLED PRIOR TO THE STORM SEWER SYSTEM RECEIVING SITE RUNOFF. OTHER THAN FOR PERFORMING MAINTENANCE, THESE DEVICES SHALL NOT BE REMOVED UNTIL SITE STABILIZATION IS COMPLETE.
9. BUILDING AND WASTE MATERIALS SHALL BE PREVENTED FROM RUNNING-OFF THE SITE AND ENTERING WATERS OF THE STATE IN CONFORMANCE WITH NR151.12(6M).
10. NO SOLID MATERIAL SHALL BE DISCHARGED OR DEPOSITED INTO WATERS OF THE STATE IN VIOLATION OF CH. 30 OR 31 OF THE WISCONSIN STATE STATUTES OR 33 USC 1344 PERMITS.
11. EROSION CONTROL DEVICES SHALL ADHERE TO THE TECHNICAL STANDARDS FOUND AT: HTTP://DNR.WI.GOV/RUNOFF/STORMWATER/TECHSTDS.HTM AND COMPLY WITH ALL CITY OF MADISON ORDINANCES.
12. ALL DEBRIS TRACKED ONTO PUBLIC STREETS SHALL BE BE SWEPT OR SCRAPED CLEAN BY THE END OF EACH WORKDAY.
13. ALL BUILDING AND WASTE MATERIAL SHALL BE HANDLED PROPERLY TO PREVENT RUNOFF OF THESE MATERIALS OFF OF THE SITE.
14. ALL DISTURBED AREAS, EXCEPT PAVED AREAS, SHALL RECEIVE A MINIMUM OF SIX (6) INCHES OF TOPSOIL, FERTILIZER, SEED, AND MULCH. AND SHALL FOLLOW THE CITY OF MADISON STANDARD SPECIFICATION.
15. WATERING FOR SEEDED AREAS SHALL FOLLOW THE CITY OF MADISON STANDARD SPECIFICATIONS SECTION 207.3(e).
16. PAVEMENT AROUND BUILDING FOOTPRINT TO REMAIN IN PLACE UNTIL GRADING AND SITE RESTORATION IS SCHEDULED TO TAKE PLACE. IF PAVEMENT IS TO BE REMOVED IT SHALL BE REPLACED WITH BREAKER RUN IN ORDER TO STABILIZE EXISTING SOILS.

EMERGENCY CONTACT
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608-555-1234
LAMUNDSON@CITYOFMADISON.COM

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

SITE PLAN NOTES:

1. CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING IN THE AREA BETWEEN THE CURB AND SIDEWALK AND EXTEND IT AT LEAST 5 FEET FROM BOTH SIDES OF THE TREE ALONG THE LENGTH OF THE TERRACE. NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE OUTSIDE EDGE OF A TREE TRUNK. IF EXCAVATION WITHIN 5 FEET OF ANY TREE IS NECESSARY, CONTRACTOR SHALL CONTACT CITY FORESTRY (266-4816) PRIOR TO EXCAVATION TO ASSESS THE IMPACT TO THE TREE AND ROOT SYSTEM. TREE PRUNING SHALL BE COORDINATED WITH CITY FORESTRY PRIOR TO THE START OF CONSTRUCTION. TREE PROTECTION SPECIFICATIONS CAN BE FOUND IN SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
http://www.cityofmadison.com/business/pw/documents/stdspecs/2018/part1.pdf. ANY TREE REMOVALS THAT ARE REQUIRED FOR CONSTRUCTION AFTER THE DEVELOPMENT PLAN IS APPROVED WILL REQUIRE AT LEAST A 72 HOUR WAIT PERIOD BEFORE A TREE REMOVAL PERMIT CAN BE ISSUED BY FORESTRY, TO NOTIFY THE ALDER OF THE CHANGE IN THE TREE PLAN
2. PAVEMENT MARKINGS AND SIGNAGE PERTAINING TO ACCESSIBLE PARKING STALLS AND ROUTES SHALL CONFORM TO CURRENT ADA REGULATIONS.
3. PAVEMENT DESIGN SHALL BE PER THE RECOMMENDATION OF THE SOILS CONSULTANT.
4. THE RIGHT-OF-WAY IS THE SOLE JURISDICTION OF THE CITY OF MADISON AND IS SUBJECT TO CHANGE AT ANY TIME PER THE RECOMMENDATION/PLAN OF TRAFFIC ENGINEERING AND CITY ENGINEERING DEPARTMENTS.
5. TRAFFIC CONTROL SIGNAGE SHALL BE IN ACCORDANCE WITH FEDERAL, STATE, COUNTY, CITY, AND LOCAL CODE, WHICHEVER HAS JURISDICTION.
6. CITY SIDEWALK AND CURB DAMAGED IN THE COURSE OF CONSTRUCTION TO BE REPLACED PER GRADING PLAN AND PER CITY OF MADISON STANDARD SPECIFICATIONS.
7. DIMENSIONS ARE TO THE FACE OF CURB.
8. CURB TAPERS SHALL TRANSITION THE CURB HEAD TO THE FLOW LINE IN 6".
9. 11 BICYCLE PARKING STALLS
10. PARKING STALLS
    45 TOTAL
    2 ACCESSIBLE
      1 CAR
      1 VAN

GRADING PLAN NOTES:

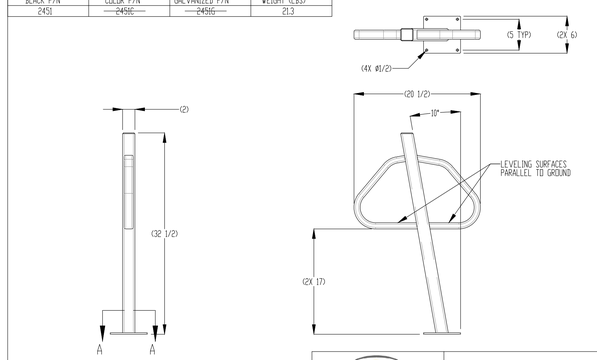
1. ALL GRADES ARE FINISH ELEVATION UNLESS NOTED OTHERWISE.

UTILITY PLAN NOTES:

1. ALL SITE UTILITY WORK SHALL BE COMPLIANT WITH THE CITY OF MADISON STANDARD SPECIFICATIONS CURRENT AT THE TIME OF CONSTRUCTION.
2. UTILITY INSTALLATION SHALL BE COORDINATED WITH ENGINEER AT LEAST 4 WEEKS PRIOR TO INSTALLATION TO ENSURE BUILDING INSPECTION APPROVAL IS OBTAINED.

TABULATION

BLACK P/N	COLOR P/N	GALVANIZED P/N	WEIGHT (LBS)
2451	2451C	2451G	21.3



6" X 6" X 25" SQUARE FLANGE MOUNTING PLATE WITH 4 Ø 5/8" MOUNTING HOLES

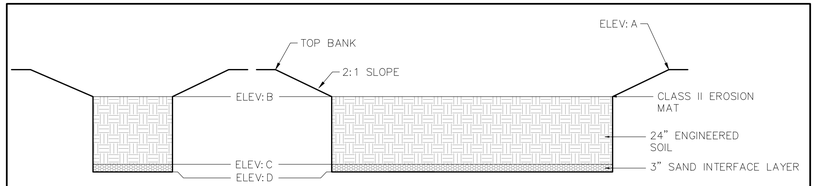
SECTION A-A

SARIS CYCLING GROUP
WE BRING CYCLING TO LIFE

SARIS CYCLING GROUP
5253 VERONA RD. MADISON WI. 53711
1-800-783-7257 / 1-608-274-1702
WWW.SARISPARKING.COM

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SARIS CYCLING GROUP. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF SARIS CYCLING GROUP IS PROHIBITED.

TITLE: POST AND RING, 2450 SERIES, FM



1) ELEVATION A SHALL BE THE LOWEST ADJOINING CURB OPENING ELEVATION.
2) ELEVATION B IS THE PLANTING LAYER ANNOTATED ON THE GRADING PLAN.

ENGINEERED SOIL SHALL CONSIST OF THE FOLLOWING: 70% SILICA SAND; 30% COMPOST W/ PH 5.5-6.5 COMPOST SHALL MEET WDNR SPECIFICATION S100. (SEE DNR TECHNICAL STANDARD 1004)

BASIN SHALL BE VEGETATED IN NATIVE PRAIRIE SPECIES, SALT TOLERANT, ABLE TO WITHSTAND PERIODS OF SATURATION, BE OF ROOT-STOCK (NOT SEED) AND BE SPACED 1' ON-CENTER.

BIORETENTION DETAILS

LEGEND/ABBREVIATIONS

	ACCESSIBLE ROUTE
	EXISTING EASEMENT
	PROPERTY BOUNDARY
#	PARKING STALL COUNT
L.S.	LANDSCAPE
BIT.	BITUMINOUS PAVEMENT
CONC.	CONCRETE PAVEMENT
1041.02	SPOT GRADE
FG	FINISH GRADE
SW	SIDEWALK
EP	EDGE OF PAVEMENT
FL	FLOW LINE
LP	LOW POINT
HP	HIGH POINT
TC	TOP OF CURB
TW	TOP OF WALL
BW	BOTTOM OF WALL
BOW	BACK OF WALK
FOW	FRONT OF WALK
EXP	EXPOSURE
SAN	PROPOSED SANITARY SEWER
ST	PROPOSED STORM SEWER
WM	PROPOSED WATER LATERAL
	UTILITY LINE DEMOLITION
	TREE REMOVAL
1041	EXISTING MINOR CONTOUR
1040	EXISTING MAJOR CONTOUR
1041	PROPOSED MINOR CONTOUR
1040	PROPOSED MAJOR CONTOUR
	PROPOSED RIDGE LINE
	PROPOSED SWALE/DITCH
	SIGN
	VISION TRIANGLE (NO VISUAL OBSTRUCTIONS BETWEEN HEIGHTS OF 30" AND 10')
	RIP RAP
	CONSTRUCTION ENTRANCE
X	SAW CUT / REMOVAL LIMITS / DISTURBANCE LIMITS
	SILT FENCE OR SILT SOCK
	CHECK DAM
	DIVERSION BERM
	INLET PROTECTION
	USLE FLOW PATH
	TREE PROTECTION
	CONSTRUCTION PROTECTION FENCING

SHEET LIST TABLE

SHEET NUMBER	SHEET TITLE
C001	CIVIL DETAILS
C100	EXISTING CONDITIONS (OVERALL)
C101	EXISTING CONDITIONS (WEST)
C102	EXISTING CONDITIONS (EAST)
C200	DEMOLITION PLAN (WEST)
C201	DEMOLITION PLAN (EAST)
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C301	EROSION CONTROL PLAN (EAST)
C400	SITE PLAN (OVERALL)
C401	SITE PLAN (WEST)
C402	SITE PLAN (EAST)
C500	GRADING PLAN (WEST)
C501	GRADING PLAN (EAST)
C600	UTILITY PLAN

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CONTRACT #8850 / MUNIS #11971

ISSUANCES:

5.7.20 PERMIT CD's
6.2.20

CIVIL DETAILS

Construction Documents:

This drawing shall be used for fabrication, erection and/or installation. check all project addenda and construction bulletins for modifications.

PROJECT #: 19030.00
SHEET NUMBER
C001

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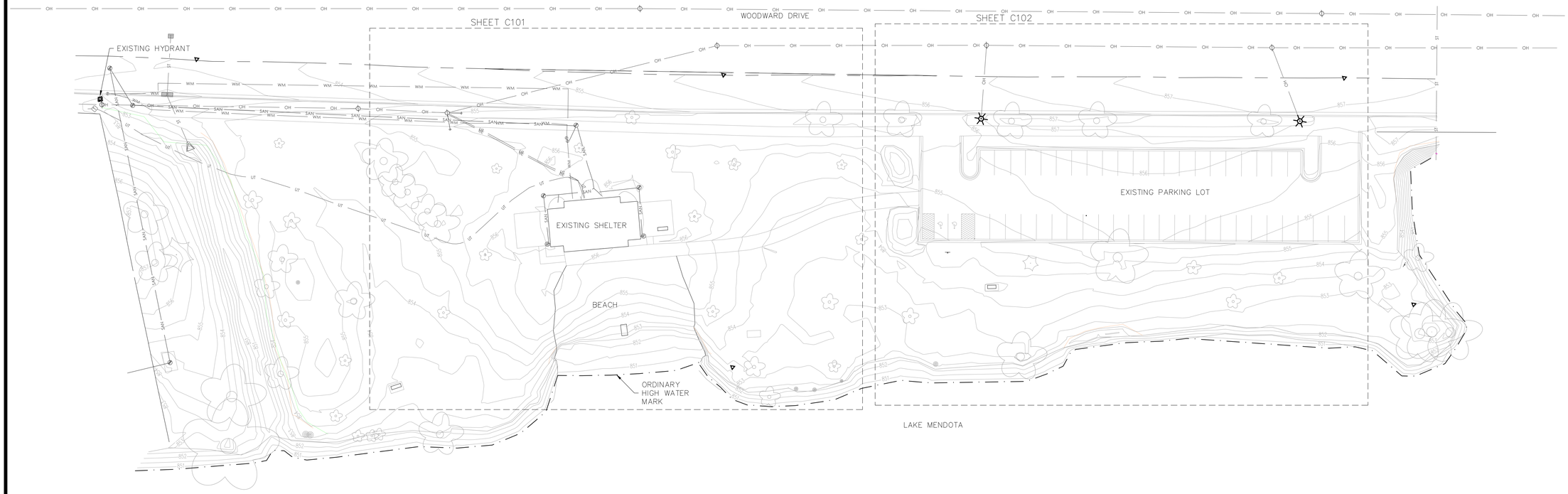
PLOT DATE: 06/02/2020



PROJECT LOCATION

LEGEND

- OH — OVERHEAD UTILITY WIRE
- WM — WATER MAIN
- SAN — SANITARY SEWER
- ST — STORM SEWER
- UT — BURIED TELEPHONE
- UE — BURIED ELECTRIC
- WV — WATER VALVE
- UTILITY POLE
- GUY WIRE
- LIGHT POLE
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- STORM SEWER INLET
- ST — STORM SEWER MANHOLE
- SN — SANITARY SEWER MANHOLE
- CO — SANITARY CLEANOUT
- EXISTING TREE
- CONTROL POINT

NOTES:

1. EXISTING CONDITIONS SURVEY PROVIDED BY THE CITY OF MADISON.

0 30 60

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ISSUANCES:

5.7.20 PERMIT CD's
6.2.20

EXISTING CONDITIONS (OVERALL)
Construction Documents:

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PROJECT #: 19030.00

SHEET NUMBER

C100

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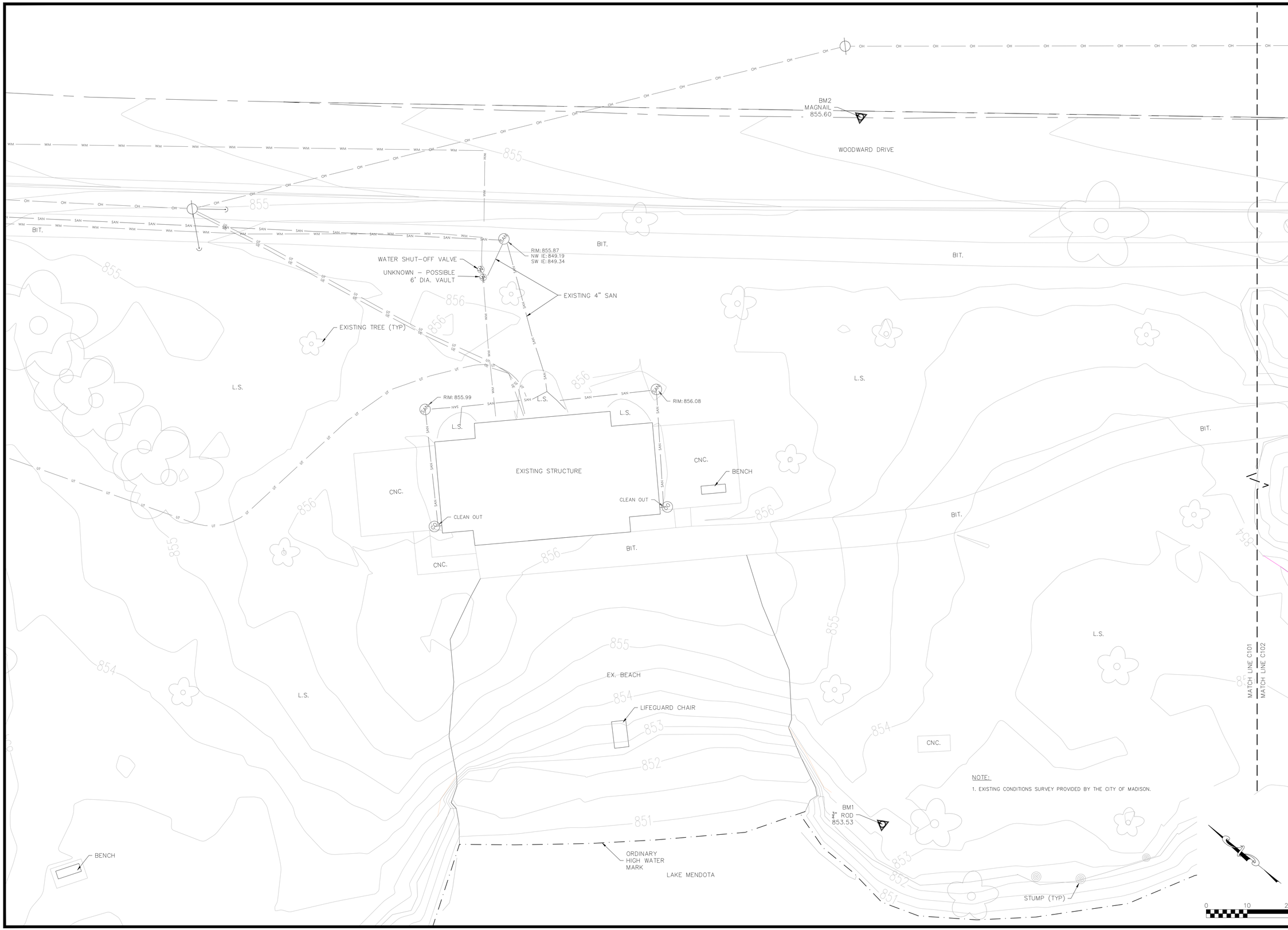
PLOT DATE: 06/02/2020



NOTE:

1. EXISTING CONDITIONS SURVEY PROVIDED BY THE CITY OF MADISON.

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ISSUANCES:

5.7.20 PERMIT CD's
6.2.20

EXISTING CONDITIONS (WEST)
Construction Documents:

This drawing shall be used for fabrication, erection and/or installation. check all project addenda and construction bulletins for modifications.

PROJECT #: 19030.00
SHEET NUMBER
C101

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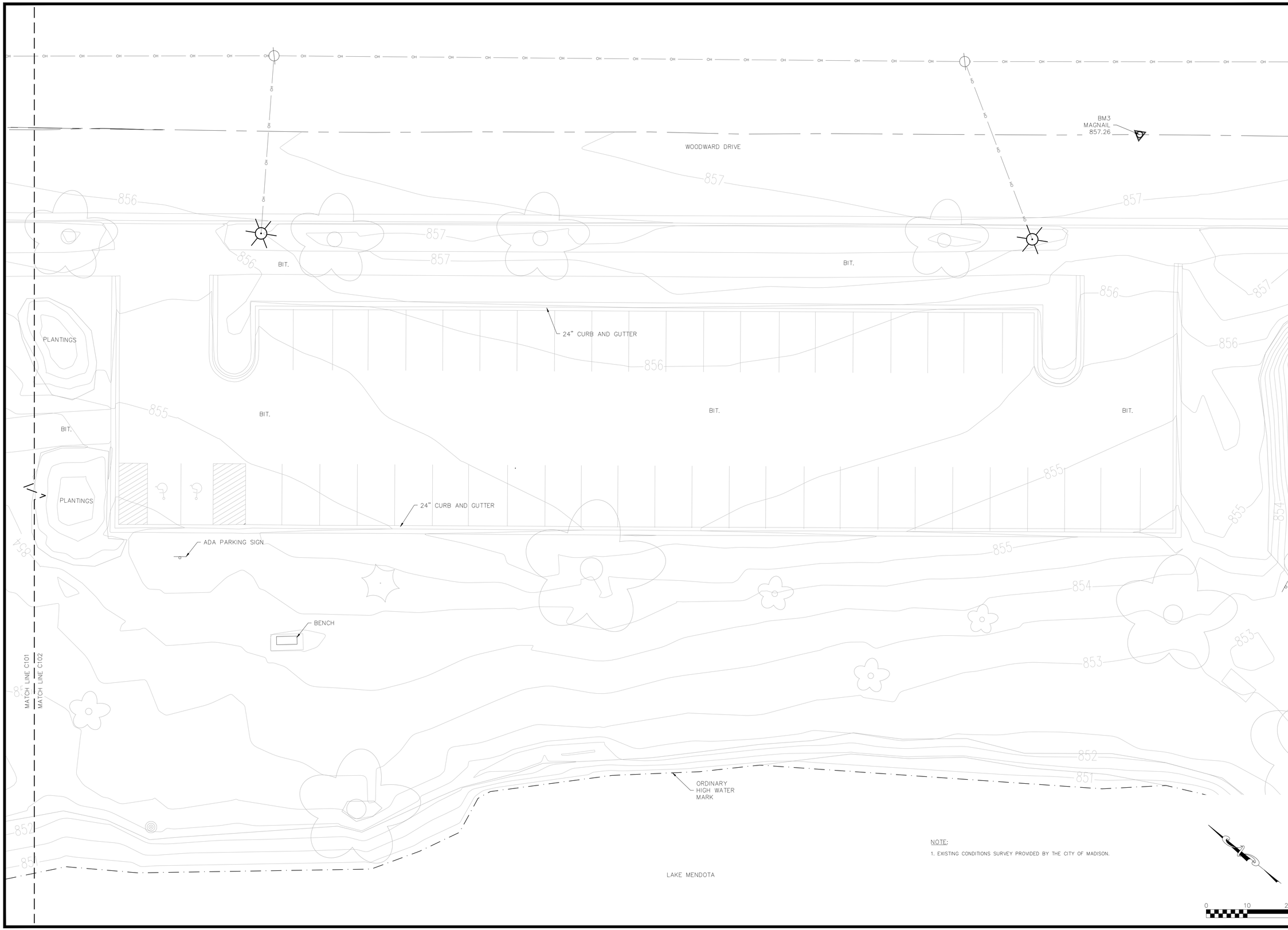
PLOT DATE: 06/02/2020



NOTE:

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ISSUANCES:

5.7.20 PERMIT CD's
6.2.20

EXISTING CONDITIONS
(EAST)
Construction Documents:

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PROJECT #: 19030.00

SHEET NUMBER

C102

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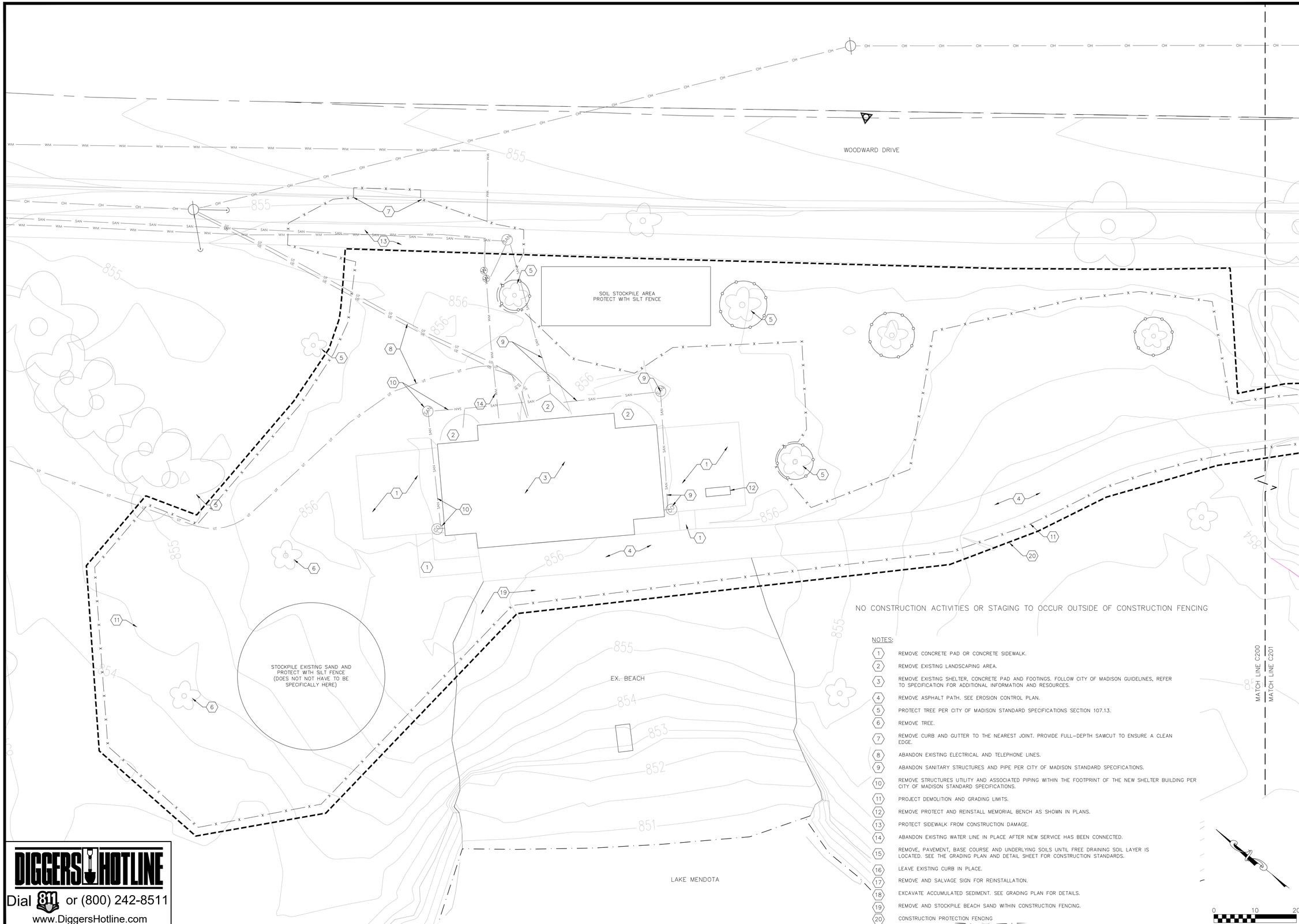
PLOT DATE: 06/02/2020



NO CONSTRUCTION ACTIVITIES OR STAGING TO OCCUR OUTSIDE OF CONSTRUCTION FENCING

NOTES:

1. REMOVE CONCRETE PAD OR CONCRETE SIDEWALK.
2. REMOVE EXISTING LANDSCAPING AREA.
3. REMOVE EXISTING SHELTER, CONCRETE PAD AND FOOTINGS. FOLLOW CITY OF MADISON GUIDELINES, REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION AND RESOURCES.
4. REMOVE ASPHALT PATH. SEE EROSION CONTROL PLAN.
5. PROTECT TREE PER CITY OF MADISON STANDARD SPECIFICATIONS SECTION 107.13.
6. REMOVE TREE.
7. REMOVE CURB AND GUTTER TO THE NEAREST JOINT. PROVIDE FULL-DEPTH SAWCUT TO ENSURE A CLEAN EDGE.
8. ABANDON EXISTING ELECTRICAL AND TELEPHONE LINES.
9. ABANDON SANITARY STRUCTURES AND PIPE PER CITY OF MADISON STANDARD SPECIFICATIONS.
10. REMOVE STRUCTURES UTILITY AND ASSOCIATED PIPING WITHIN THE FOOTPRINT OF THE NEW SHELTER BUILDING PER CITY OF MADISON STANDARD SPECIFICATIONS.
11. PROJECT DEMOLITION AND GRADING LIMITS.
12. REMOVE PROTECT AND REINSTALL MEMORIAL BENCH AS SHOWN IN PLANS.
13. PROTECT SIDEWALK FROM CONSTRUCTION DAMAGE.
14. ABANDON EXISTING WATER LINE IN PLACE AFTER NEW SERVICE HAS BEEN CONNECTED.
15. REMOVE, PAVEMENT, BASE COURSE AND UNDERLYING SOILS UNTIL FREE DRAINING SOIL LAYER IS LOCATED. SEE THE GRADING PLAN AND DETAIL SHEET FOR CONSTRUCTION STANDARDS.
16. LEAVE EXISTING CURB IN PLACE.
17. REMOVE AND SALVAGE SIGN FOR REINSTALLATION.
18. EXCAVATE ACCUMULATED SEDIMENT. SEE GRADING PLAN FOR DETAILS.
19. REMOVE AND STOCKPILE BEACH SAND WITHIN CONSTRUCTION FENCING.
20. CONSTRUCTION PROTECTION FENCING

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ISSUANCES:

5.7.20 PERMIT CD's
6.2.20

DEMOLITION PLAN
(WEST)
Construction Documents:

This drawing shall be used for fabrication, erection and/or installation. check all project addenda and construction bulletins for modifications.

PROJECT #: 19030.00

SHEET NUMBER

C200

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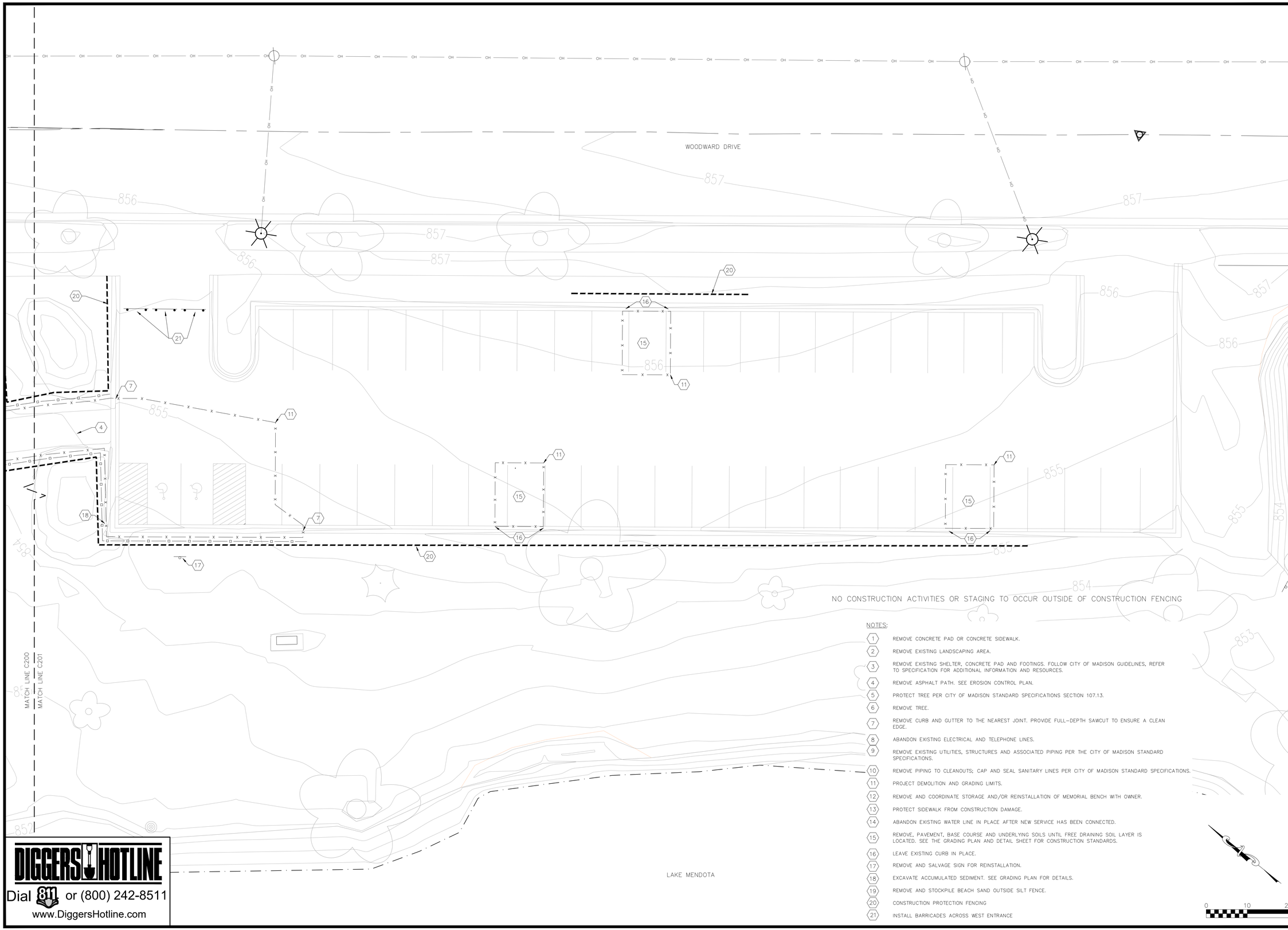
PLOT DATE: 06/02/2020



NO CONSTRUCTION ACTIVITIES OR STAGING TO OCCUR OUTSIDE OF CONSTRUCTION FENCING

NOTES:

1. REMOVE CONCRETE PAD OR CONCRETE SIDEWALK.
2. REMOVE EXISTING LANDSCAPING AREA.
3. REMOVE EXISTING SHELTER, CONCRETE PAD AND FOOTINGS. FOLLOW CITY OF MADISON GUIDELINES, REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION AND RESOURCES.
4. REMOVE ASPHALT PATH. SEE EROSION CONTROL PLAN.
5. PROTECT TREE PER CITY OF MADISON STANDARD SPECIFICATIONS SECTION 107.13.
6. REMOVE TREE.
7. REMOVE CURB AND GUTTER TO THE NEAREST JOINT. PROVIDE FULL-DEPTH SAWCUT TO ENSURE A CLEAN EDGE.
8. ABANDON EXISTING ELECTRICAL AND TELEPHONE LINES.
9. REMOVE EXISTING UTILITIES, STRUCTURES AND ASSOCIATED PIPING PER THE CITY OF MADISON STANDARD SPECIFICATIONS.
10. REMOVE PIPING TO CLEANOUTS; CAP AND SEAL SANITARY LINES PER CITY OF MADISON STANDARD SPECIFICATIONS.
11. PROJECT DEMOLITION AND GRADING LIMITS.
12. REMOVE AND COORDINATE STORAGE AND/OR REINSTALLATION OF MEMORIAL BENCH WITH OWNER.
13. PROTECT SIDEWALK FROM CONSTRUCTION DAMAGE.
14. ABANDON EXISTING WATER LINE IN PLACE AFTER NEW SERVICE HAS BEEN CONNECTED.
15. REMOVE, PAVEMENT, BASE COURSE AND UNDERLYING SOILS UNTIL FREE DRAINING SOIL LAYER IS LOCATED. SEE THE GRADING PLAN AND DETAIL SHEET FOR CONSTRUCTION STANDARDS.
16. LEAVE EXISTING CURB IN PLACE.
17. REMOVE AND SALVAGE SIGN FOR REINSTALLATION.
18. EXCAVATE ACCUMULATED SEDIMENT. SEE GRADING PLAN FOR DETAILS.
19. REMOVE AND STOCKPILE BEACH SAND OUTSIDE SILT FENCE.
20. CONSTRUCTION PROTECTION FENCING
21. INSTALL BARRICADES ACROSS WEST ENTRANCE

0 10 20

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ISSUANCES:

5.7.20 PERMIT CD's
6.2.20

DEMOLITION PLAN
(EAST)
Construction Documents:

This drawing shall be used for fabrication, erection and/or installation. check all project addenda and construction bulletins for modifications.

PROJECT #: 19030.00

SHEET NUMBER

C201

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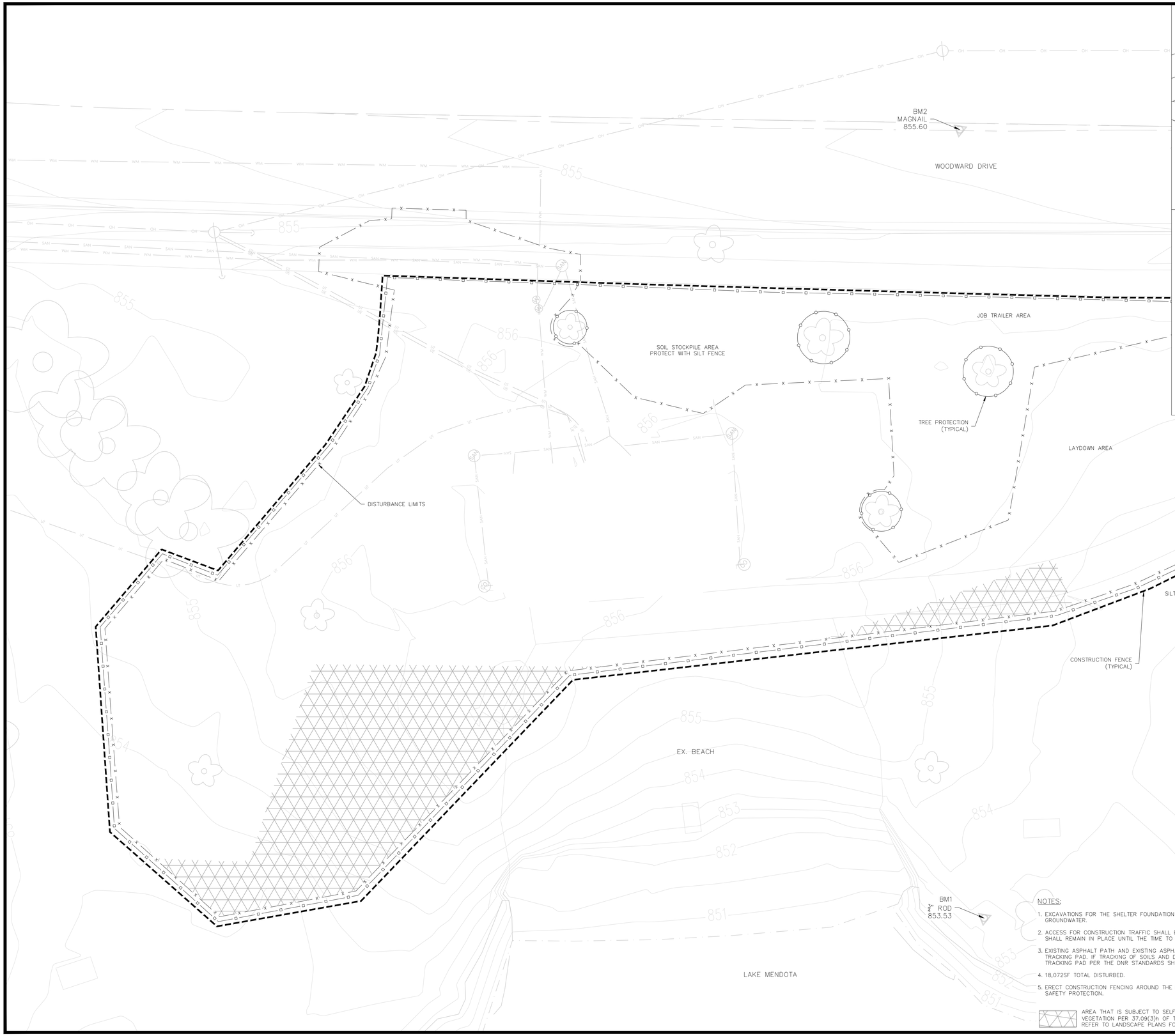
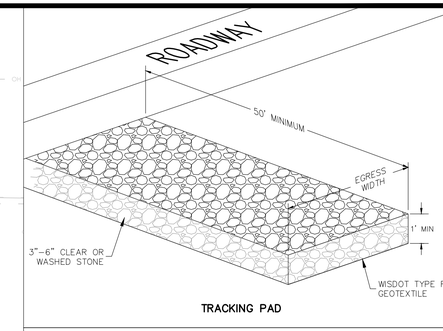
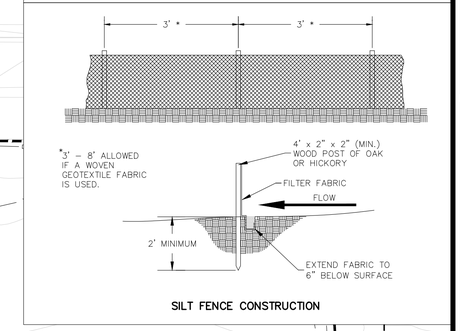
PLOT DATE: 06/02/2020





TRACKING PAD



SILT FENCE CONSTRUCTION

NOTES:

1. EXCAVATIONS FOR THE SHELTER FOUNDATION AND SANITARY SEWER MAY ENCOUNTER GROUNDWATER.
2. ACCESS FOR CONSTRUCTION TRAFFIC SHALL BE ALONG THE EXISTING PATH. SAID PATH SHALL REMAIN IN PLACE UNTIL THE TIME TO GRADE IN NEW PATH.
3. EXISTING ASPHALT PATH AND EXISTING ASPHALT PARKING LOT SHALL SERVE AS THE SITE TRACKING PAD. IF TRACKING OF SOILS AND DEBRIS BECOMES A PROBLEM, A 50 FOOT LONG TRACKING PAD PER THE DNR STANDARDS SHALL BE INSTALLED WITHIN THE SITE.
4. 18,072SF TOTAL DISTURBED.
5. ERECT CONSTRUCTION FENCING AROUND THE ENTIRE PERIMETER OF THE PROJECT AREA FOR SAFETY PROTECTION.

AREA THAT IS SUBJECT TO SELF SUSTAINING VEGATATIVE COVER OF 70% VEGETATION PER 37.09(3)h OF THE CITY OF MADISON GENERAL ORDINANCES. REFER TO LANDSCAPE PLANS FOR SCOPE OF WORK.

0 10 20

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ISSUANCES:

5.7.20 PERMIT CD's
6.2.20

EROSION CONTROL
PLAN (WEST)
Construction Documents:

This drawing shall be used for fabrication, erection and/or installation. check all project addenda and construction bulletins for modifications.

PROJECT #: 19030.00

SHEET NUMBER

C300

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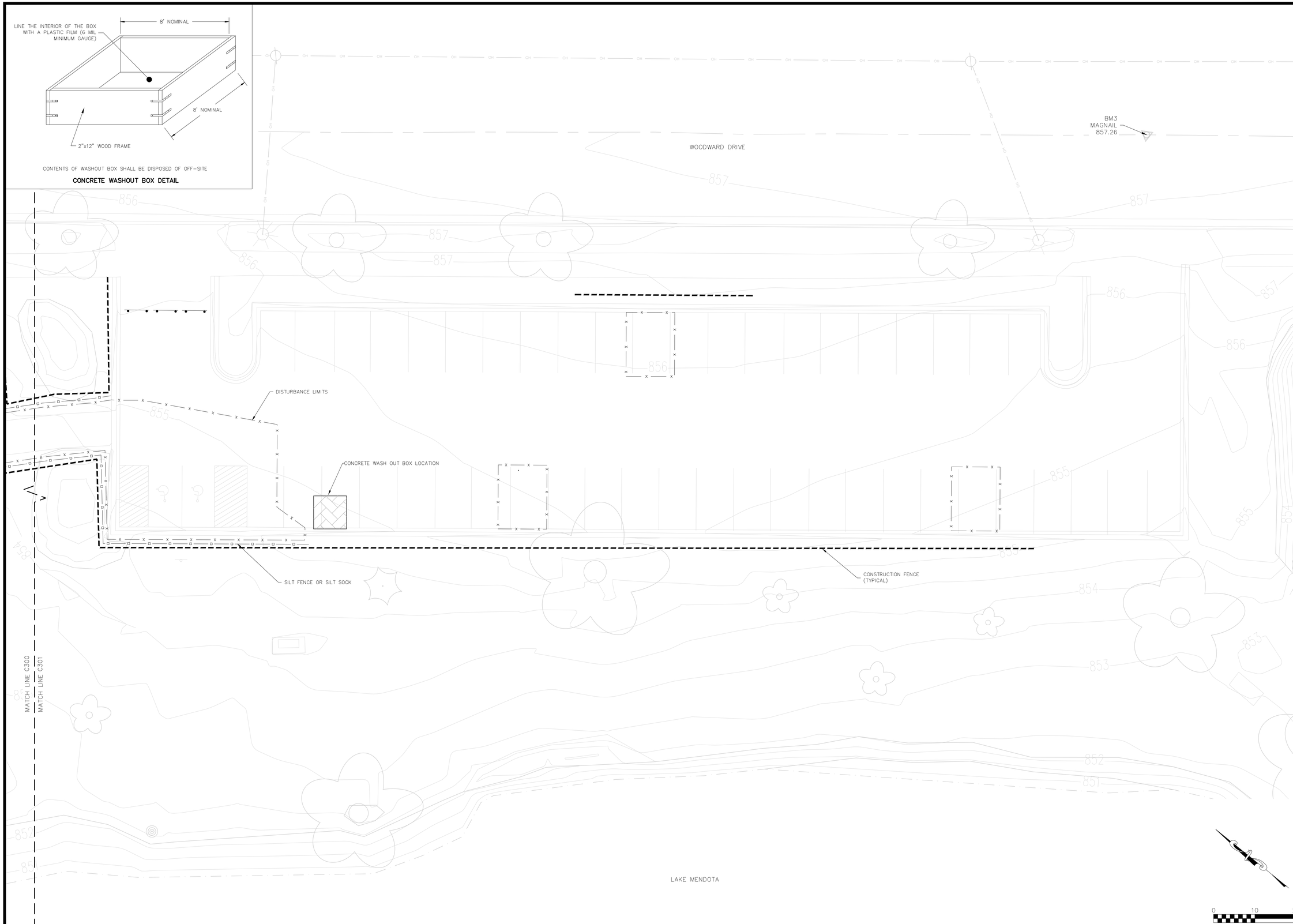
PLOT DATE: 06/02/2020

CONTENTS OF WASHOUT BOX SHALL BE DISPOSED OF OFF-SITE

CONCRETE WASHOUT BOX DETAIL



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ISSUANCES:
5.7.20 PERMIT CD's
6.2.20

EROSION CONTROL PLAN (EAST)
Construction Documents:

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PROJECT #: 19030.00

SHEET NUMBER

C301

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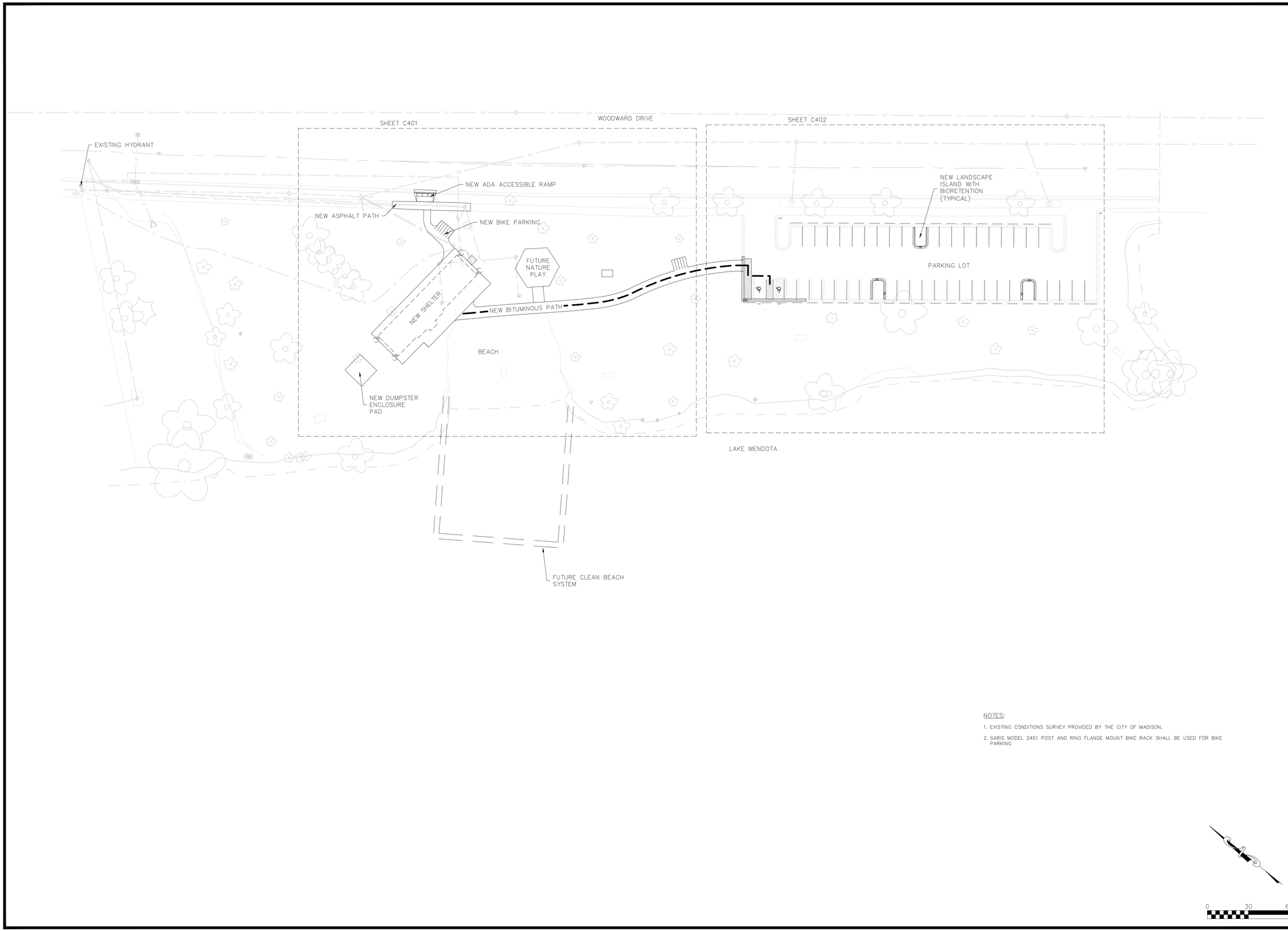
PLOT DATE: 06/02/2020



NOTES:

1. EXISTING CONDITIONS SURVEY PROVIDED BY THE CITY OF MADISON.
2. SARIS MODEL 2451 POST AND RING FLANGE MOUNT BIKE RACK SHALL BE USED FOR BIKE PARKING

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CONTRACT #8850 / MUNIS #11971

ISSUANCES:

5.7.20 PERMIT CD's
6.2.20

SITE PLAN (OVERALL)

Construction Documents:

This drawing shall be used for fabrication, erection and/or installation. check all project addenda and construction bulletins for modifications.

PROJECT #: 19030.00

SHEET NUMBER

C400

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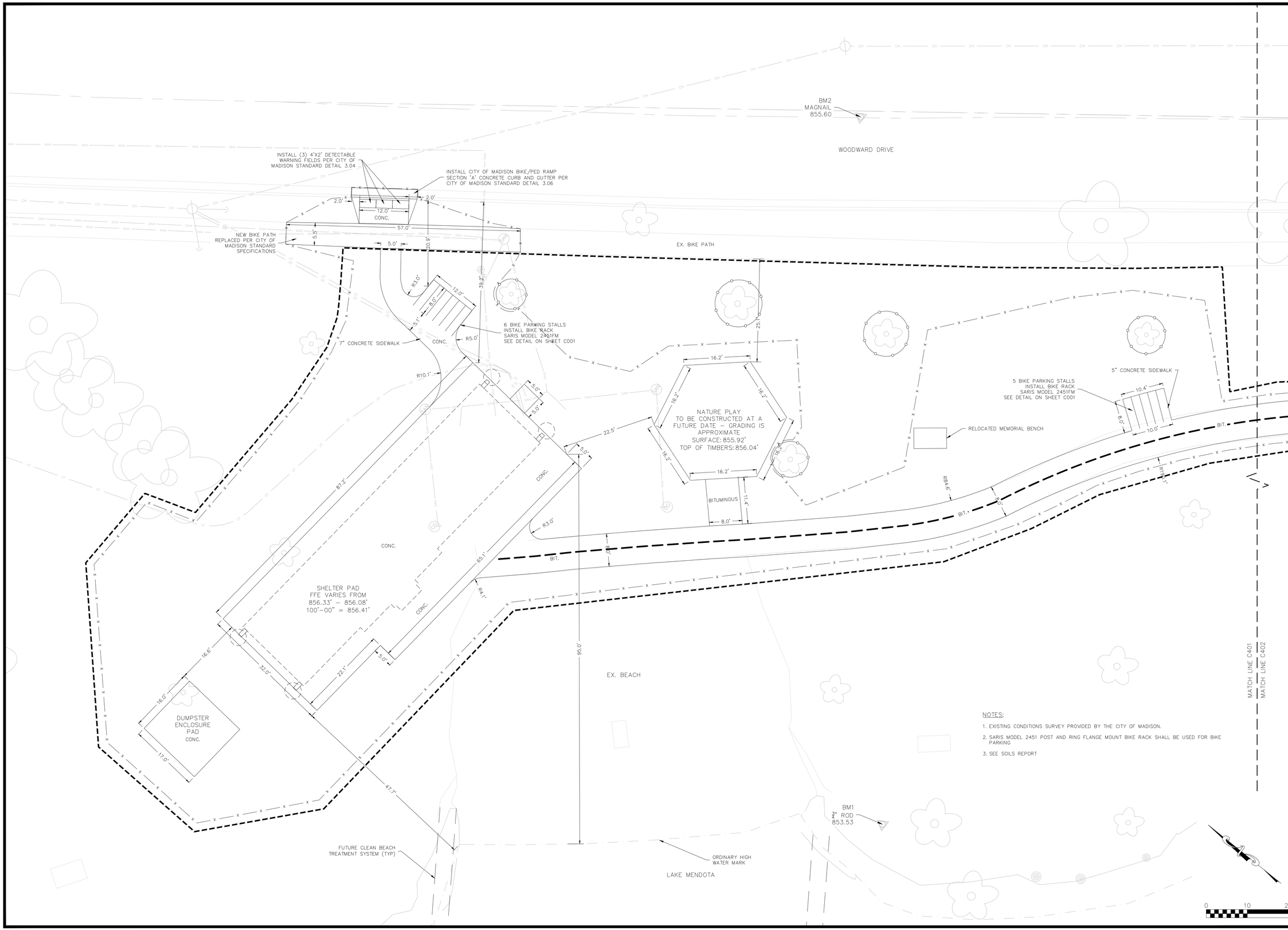
PLOT DATE: 06/02/2020



NOTES:

1. EXISTING CONDITIONS SURVEY PROVIDED BY THE CITY OF MADISON.
2. SARIS MODEL 2451 POST AND RING FLANGE MOUNT BIKE RACK SHALL BE USED FOR BIKE PARKING
3. SEE SOILS REPORT

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ISSUANCES:

5.7.20 PERMIT CD's
6.2.20

SITE PLAN (WEST)

Construction Documents:

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PROJECT #: 19030.00

SHEET NUMBER

C401

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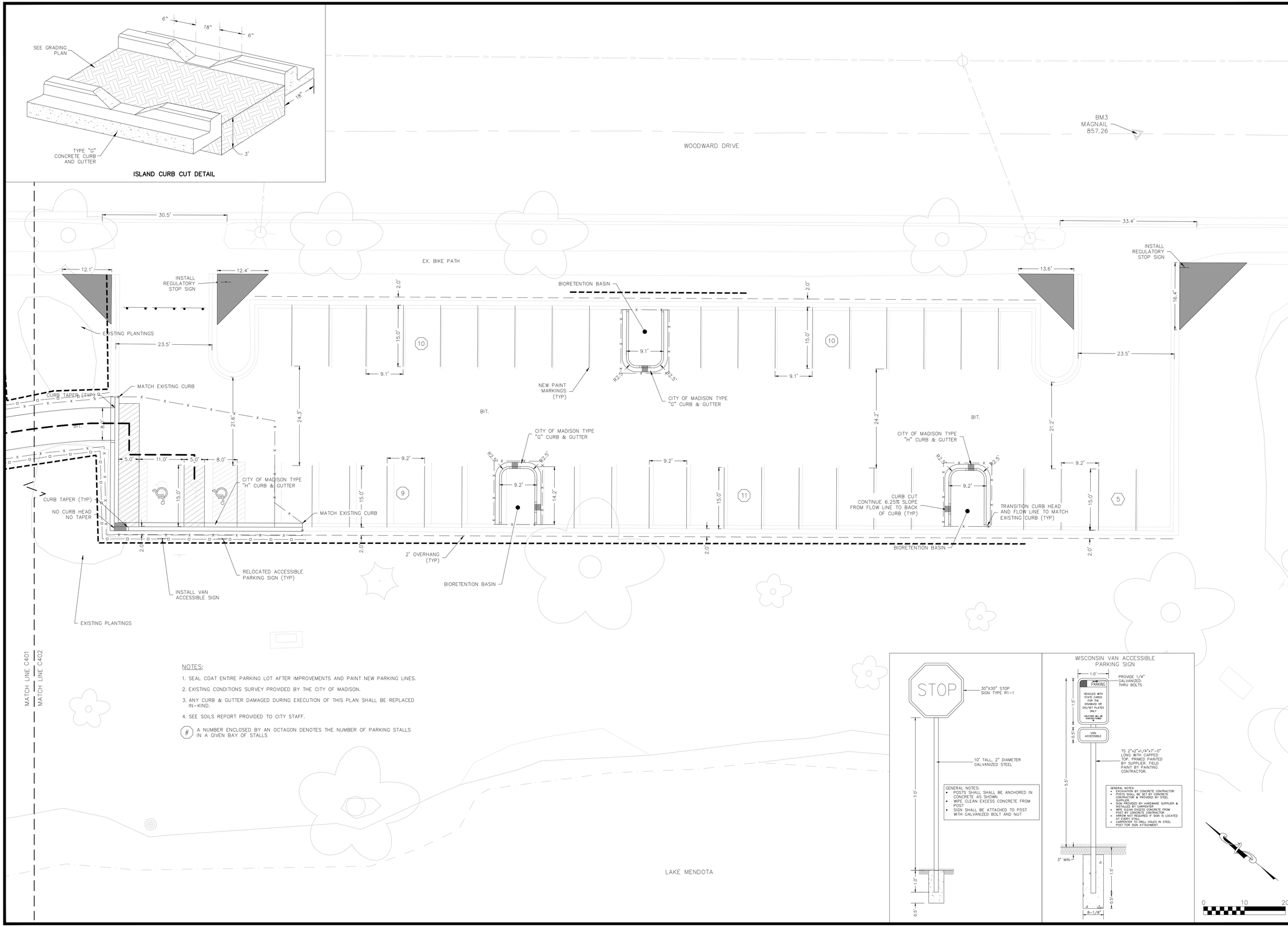
PLOT DATE: 06/02/2020



NOTES:

1. SEAL COAT ENTIRE PARKING LOT AFTER IMPROVEMENTS AND PAINT NEW PARKING LINES.
2. EXISTING CONDITIONS SURVEY PROVIDED BY THE CITY OF MADISON.
3. ANY CURB & GUTTER DAMAGED DURING EXECUTION OF THIS PLAN SHALL BE REPLACED IN-KIND.
4. SEE SOILS REPORT PROVIDED TO CITY STAFF.

(#) A NUMBER ENCLOSED BY AN OCTAGON DENOTES THE NUMBER OF PARKING STALLS IN A GIVEN BAY OF STALLS

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CONTRACT #8850 / MUNIS #11971

ISSUANCES:

5.7.20 PERMIT CD's
6.2.20

SITE PLAN (EAST)

Construction Documents:

This drawing shall be used for fabrication, erection and/or installation. check all project addenda and construction bulletins for modifications.

PROJECT #: 19030.00

SHEET NUMBER

C402

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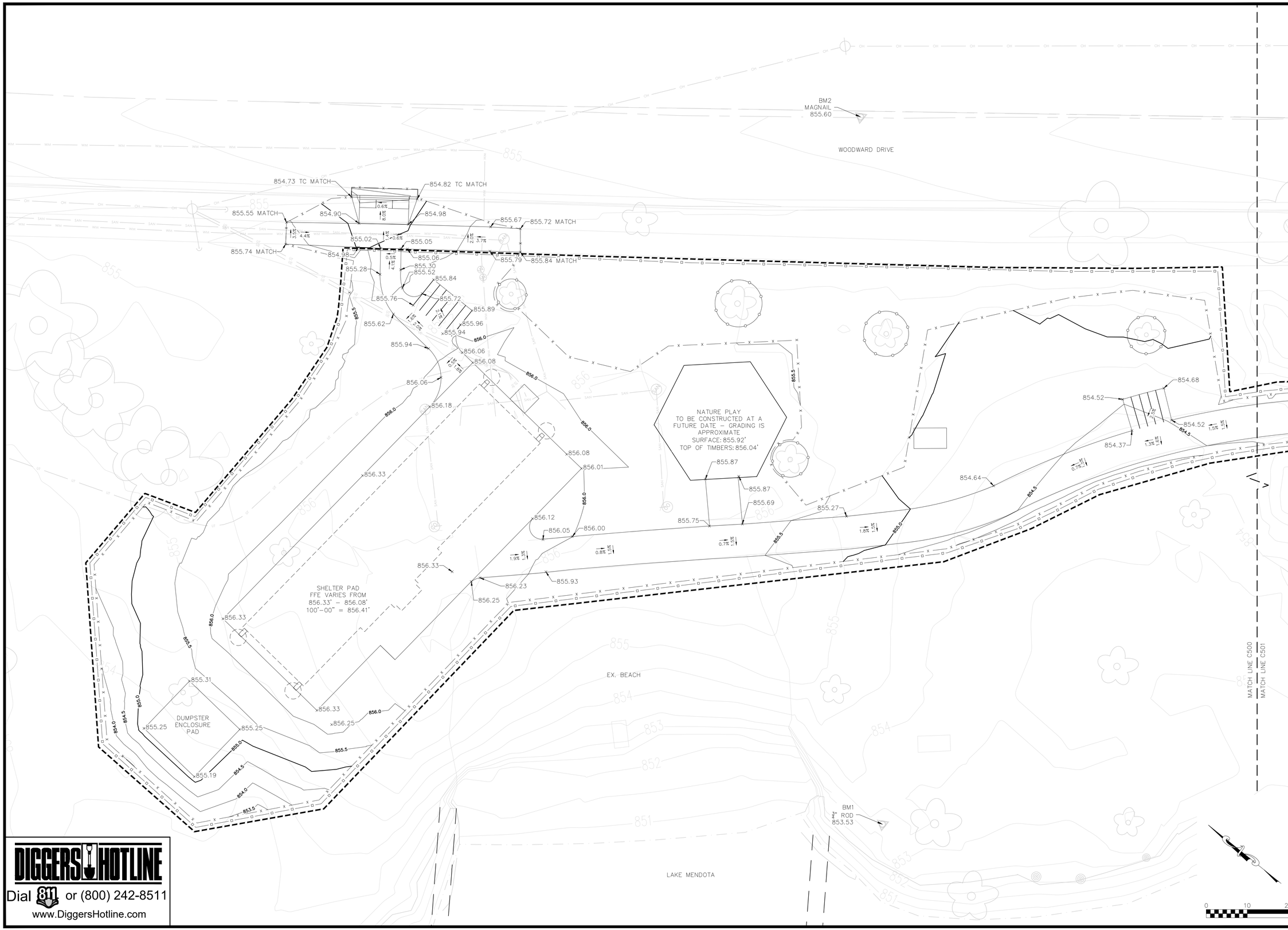
PLOT DATE: 06/02/2020



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ISSUANCES:

5.7.20 PERMIT CD's
6.2.20

GRADING PLAN (WEST)

Construction Documents:

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PROJECT #: 19030.00

SHEET NUMBER

C500

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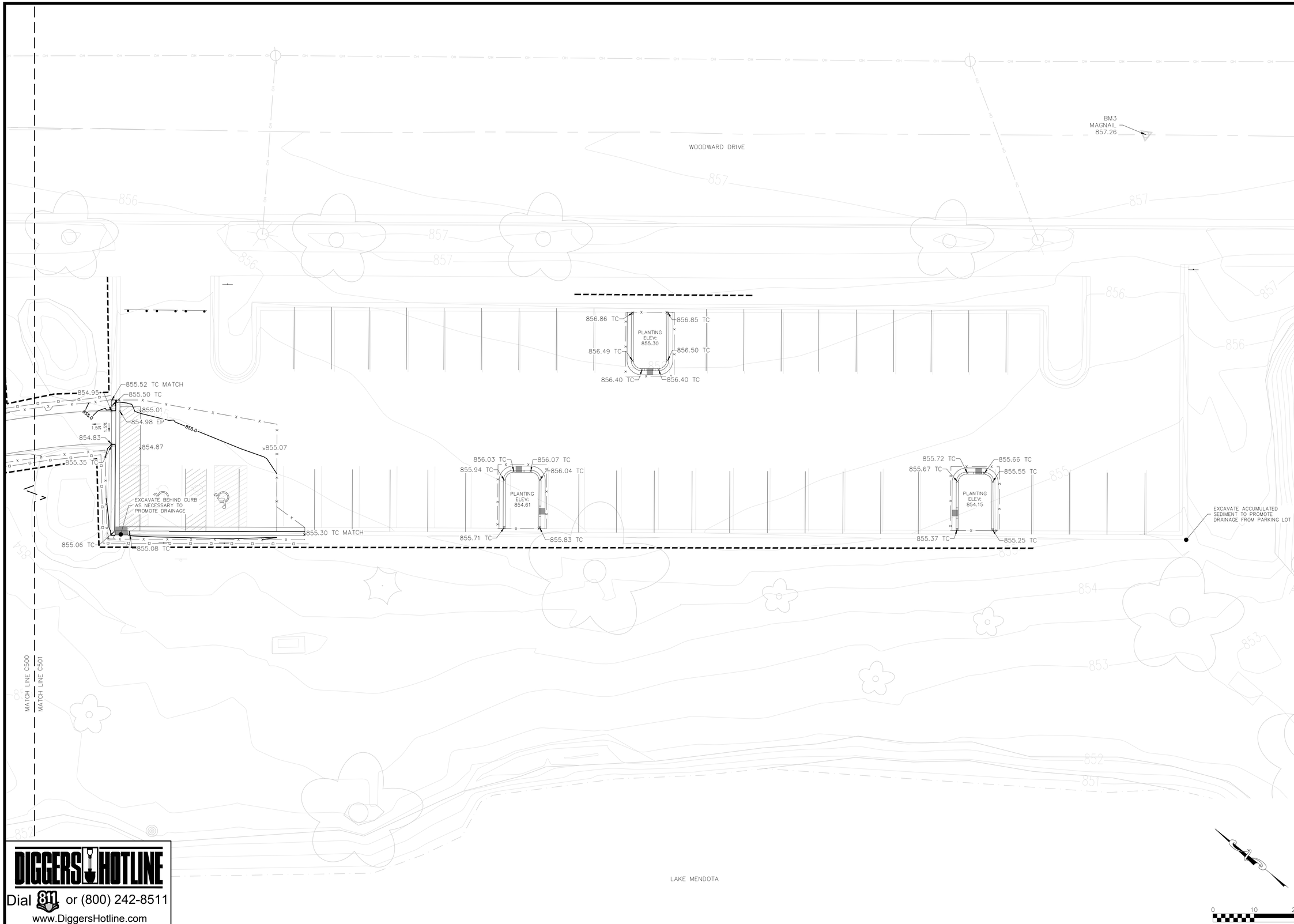
PLOT DATE: 06/02/2020



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CONTRACT #8850 / MUNIS #11971

ISSUANCES:

5.7.20 PERMIT CD's
6.2.20

GRADING PLAN (EAST)

Construction Documents:

This drawing shall be used for fabrication, erection and/or installation. check all project addenda and construction bulletins for modifications.

PROJECT #: 19030.00

SHEET NUMBER

C501

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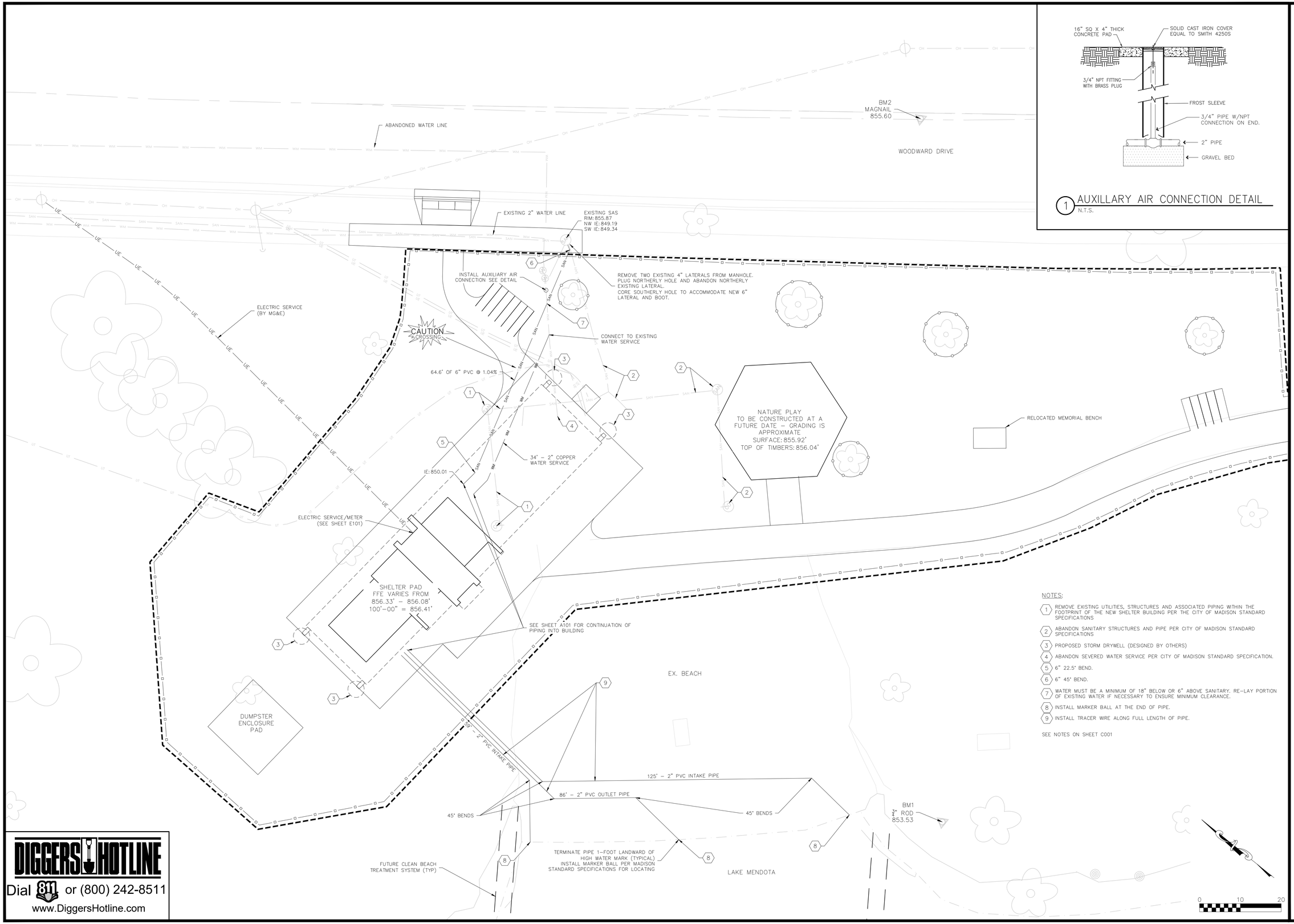
PLOT DATE: 06/02/2020



1 AUXILLARY AIR CONNECTION DETAIL
N.T.S.

NOTES:

1. REMOVE EXISTING UTILITIES, STRUCTURES AND ASSOCIATED PIPING WITHIN THE FOOTPRINT OF THE NEW SHELTER BUILDING PER THE CITY OF MADISON STANDARD SPECIFICATIONS
2. ABANDON SANITARY STRUCTURES AND PIPE PER CITY OF MADISON STANDARD SPECIFICATIONS
3. PROPOSED STORM DRYWELL (DESIGNED BY OTHERS)
4. ABANDON SEVERED WATER SERVICE PER CITY OF MADISON STANDARD SPECIFICATION.
5. 6" 22.5° BEND.
6. 6" 45° BEND.
7. WATER MUST BE A MINIMUM OF 18" BELOW OR 6" ABOVE SANITARY. RE–LAY PORTION OF EXISTING WATER IF NECESSARY TO ENSURE MINIMUM CLEARANCE.
8. INSTALL MARKER BALL AT THE END OF PIPE.
9. INSTALL TRACER WIRE ALONG FULL LENGTH OF PIPE.

SEE NOTES ON SHEET C001

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Phone: 608-250-9263
Fax: 608-250-9266
e-mail: Mburse@BSE-INC.net
www.bursesurveyengr.com

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SHELTER
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CONTRACT #8850 / MUNIS #11971

ISSUANCES:

5.7.20 PERMIT CD's
6.2.20

UTILITY PLAN

Construction Documents:

This drawing shall be used for fabrication, erection and/or installation. check all project addenda and construction bulletins for modifications.

PROJECT #: 19030.00

SHEET NUMBER

C600

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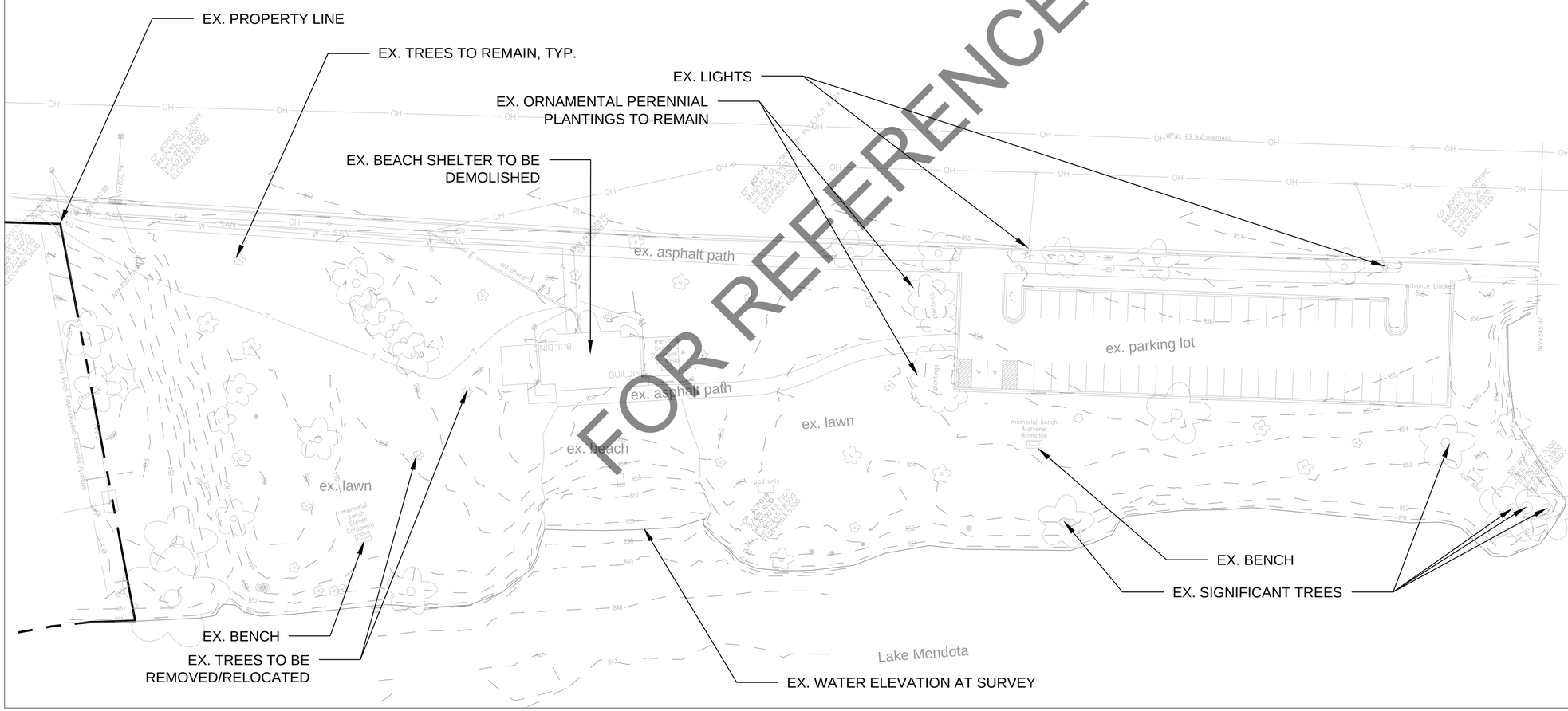
NOTES

1.) DRAFT NOT FOR CONSTRUCTION.



FOR REFERENCE ONLY

City of Madison
Department of Public Works
PARKS DIVISION
City-County Building, Suite 104
210 Martin Luther King, Jr. Blvd.
Madison, WI 53703

play MADISON PARKS

Graphical Scale
0 60'
N

PROJECT:
WARNER BEACH PARK SHELTER

PROJECT ADDRESS:
1101 WOODWARD DR
MADISON, WI 53704

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE

PUBLIC WORKS PROJECT #:

SHEET TITLE:
EXISTING LANDSCAPING

SHEET NUMBER:
L100

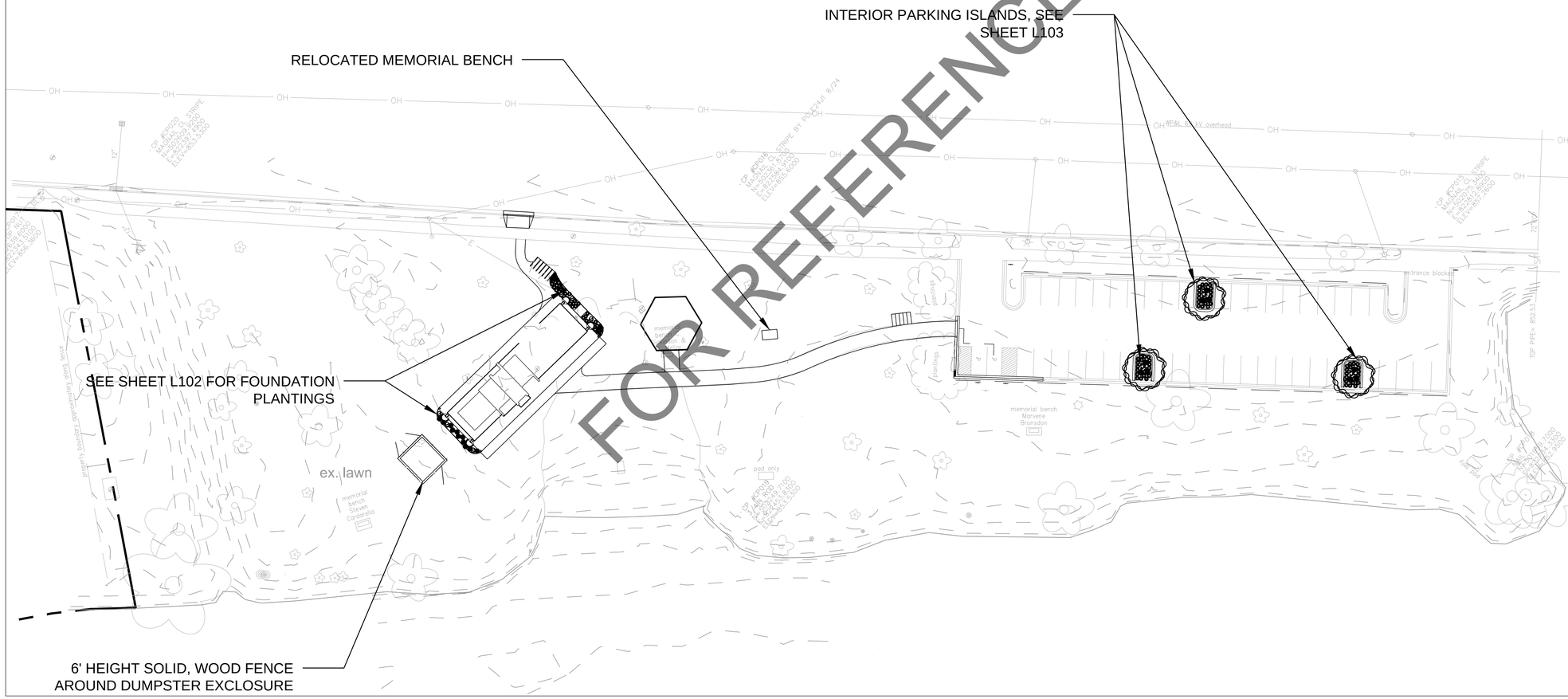
M:\Maps\parks\Warner\2019 Beach Shelter\Design\Warner Beach Design.dwg

PLANT SCHEDULE

Item				
Plants				
Botanical Name	**Common Name**	**Size**	**Container**	**Quantity**
Trees				
Betula nigra	River Birch	2" Cal.	B & B	3
Perennials and Grasses				
Baptisia australis	False Indigo	#1	Container	9
Carex stricta	Tussock Sedge	#1	Container	51
Deschampsia cepsitoda	Tufted Hair Grass	#1	Container	22
Iris versicolor	Blue Flag Iris	#1	Container	9
Panicum virgatum	Switchgrass	#1	Container	11
Schizachyrium scoparium 'The Blues'	The Blues Little Bluestem	#1	Container	18

NOTES

1.) DRAFT NOT FOR CONSTRUCTION.



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210 Martin Luther King, Jr. Blvd.
Madison, WI 53703

play MADISON PARKS

Graphical Scale
0 60'
N

PROJECT:
WARNER BEACH PARK SHELTER

PROJECT ADDRESS:
1101 WOODWARD DR
MADISON, WI 53704

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE

PUBLIC WORKS PROJECT #:

SHEET TITLE:
PROPOSED LANDSCAPING

SHEET NUMBER:
L101

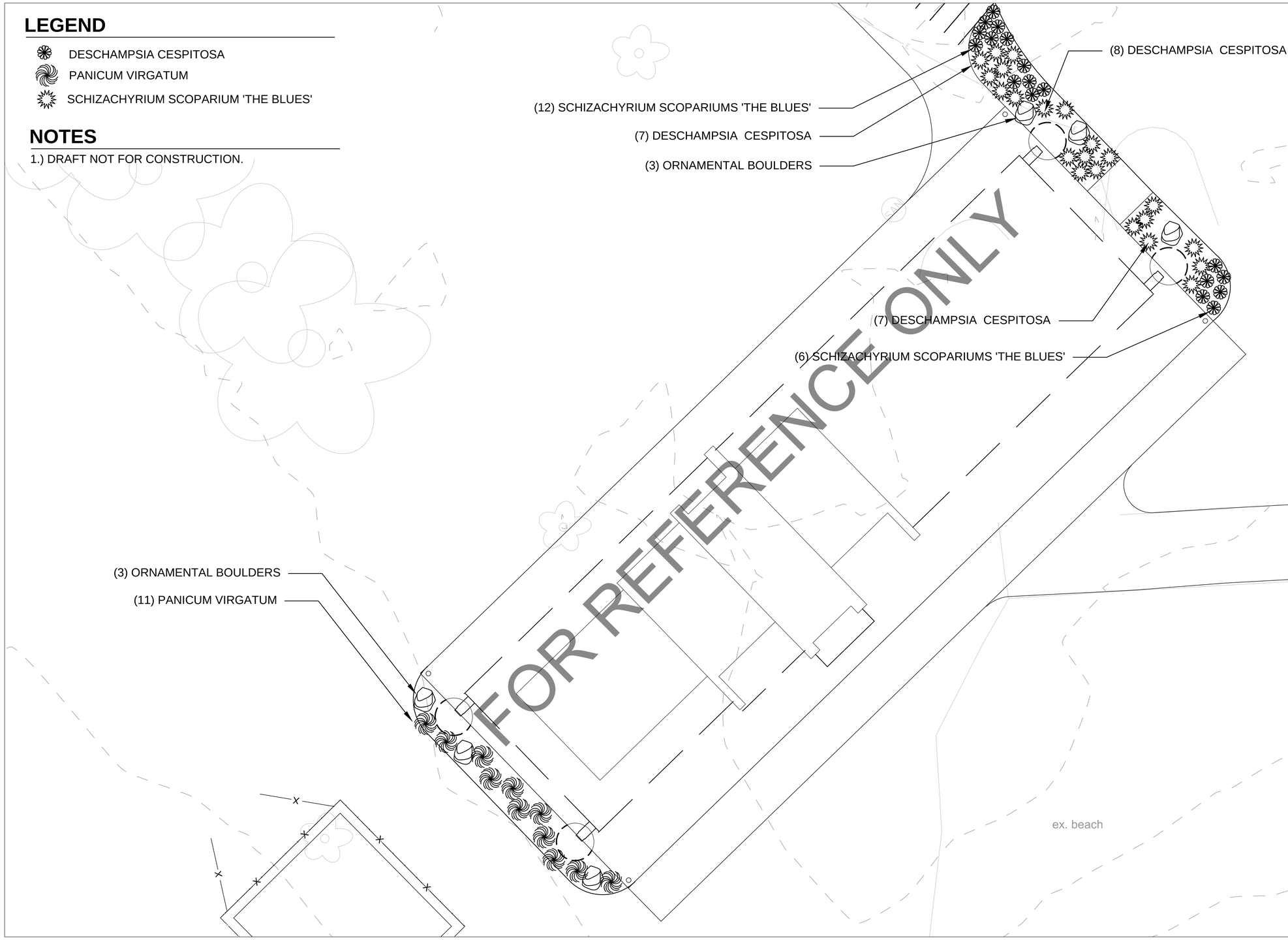
M:\Maps\parks\Warner\2019 Beach Shelter\Design\Warner Beach Design.dwg

LEGEND

- DESCHAMPSIA CESPITOSA
- PANICUM VIRGATUM
- SCHIZACHYRIUM SCOPARIUM 'THE BLUES'

NOTES

1.) DRAFT NOT FOR CONSTRUCTION.



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play MADISON PARKS

Graphical Scale
0 60'
N

PROJECT:
WARNER BEACH PARK SHELTER

PROJECT ADDRESS:
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MADISON, WI 53704

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE

PUBLIC WORKS PROJECT #:

SHEET TITLE:
PROPOSED LANDSCAPING

SHEET NUMBER:
L102

M:\Maps\parks\Warner\2019 Beach Shelter\Design\Warner Beach Design.dwg

LEGEND

BAPTISIA AUSTRALIS

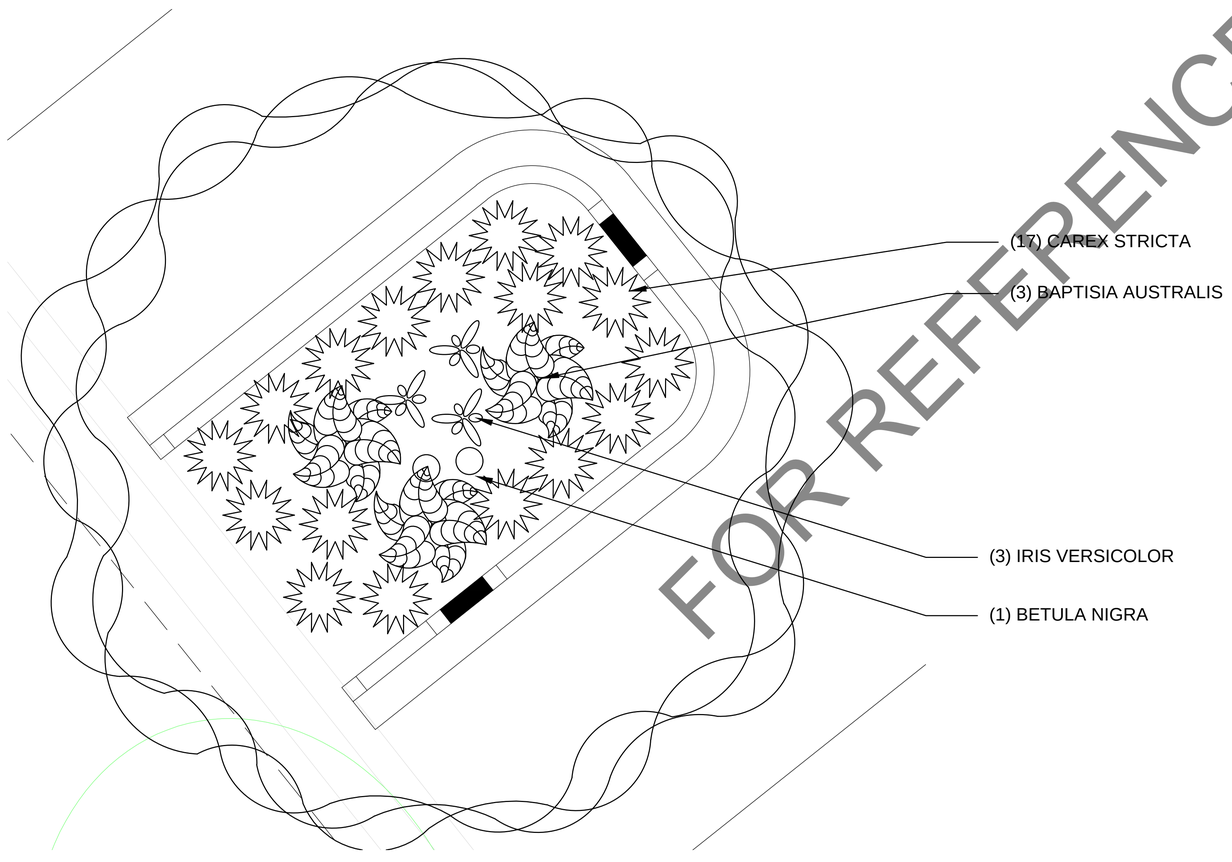
CAREX STRICTA

IRIS VERSICOLOR

NOTES

1.) DRAFT NOT FOR CONSTRUCTION.

TYPICAL PARKING ISLAND BIORETENTION PLANTING



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Madison, WI 53703

play MADISON PARKS

Graphical Scale
0 4'

N

PROJECT:
WARNER BEACH PARK SHELTER

PROJECT ADDRESS:
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MADISON, WI 53704

Although every effort has been made in preparing these plans and checking them for accuracy, the contractor and subcontractors must check all details and dimensions of their trade and be responsible for the same.

ITEM	DATE

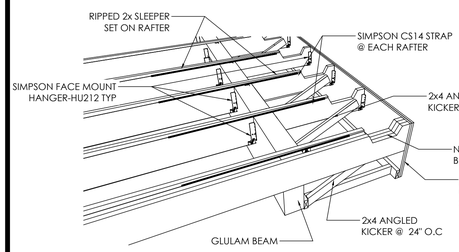
PUBLIC WORKS PROJECT #:

SHEET TITLE: *PROPOSED LANDSCAPING-LANDSCAPE ISLANDS*

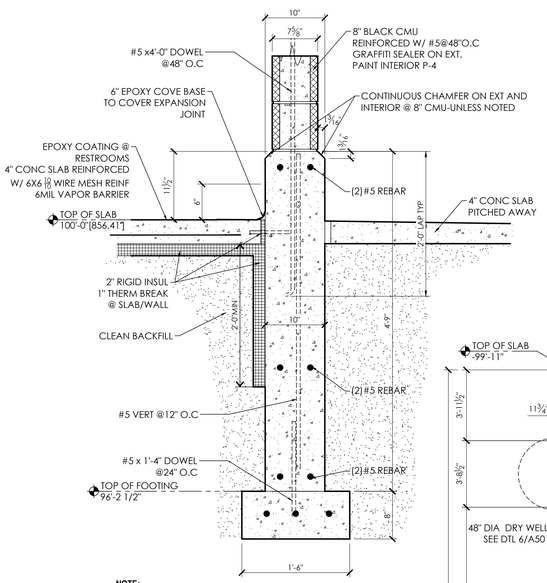
SHEET NUMBER:
L103

M:\Maps\parks\Warner\2019 Beach Shelter\Design\Warner Beach Design.dwg

PLOT DATE: 04/13/2020

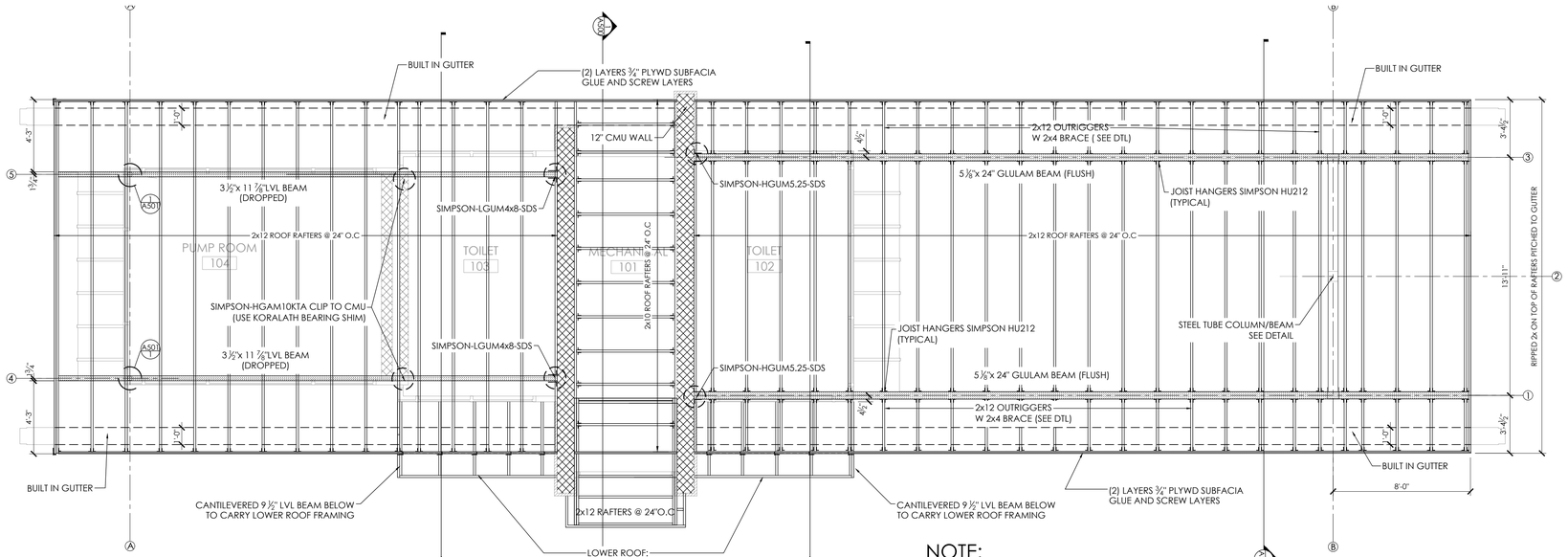


4 BUILT-IN GUTTER DETAIL
NTS



NOTE:
EXPOSED CONC WALL TO BE PROTECTED (MASKED OFF) DURING CMU INSTALLATION FROM MORTAR STAINING
ALL VOIDS TO BE FILLED ON EXPOSED POURED CONC WALL

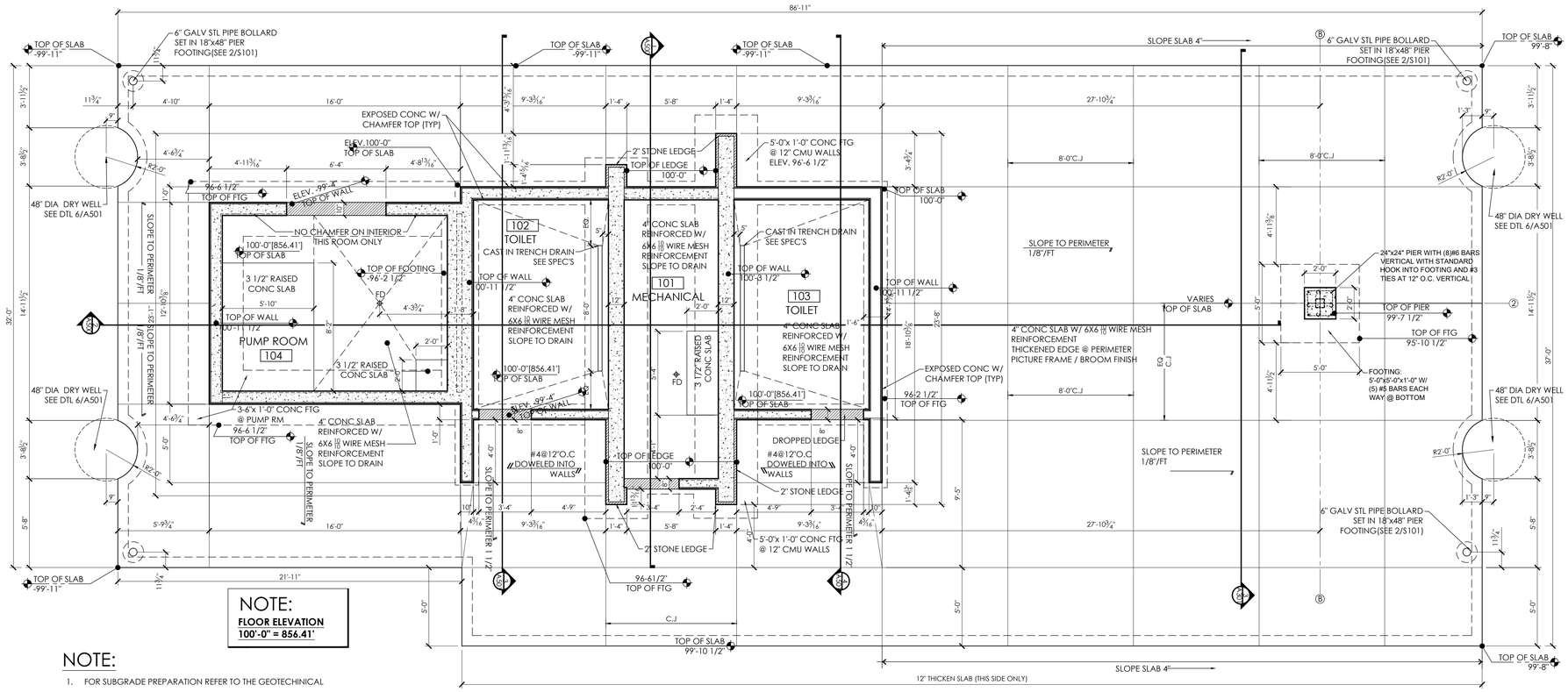
3 FOUNDATION DETAIL
1" = 1'-0"



NOTE:

1. 8" CMU TO BE REINFORCED W/ # 5 @ 32" O.C. VERTICAL GROUTED @ REINFORCED CELLS
2. 12" CMU TO BE REINFORCED W/ # 5 @ 24"O.C. VERTICAL GROUTED @ REINFORCED CELLS
3. INSTALL BOND BEAM @ TOP COURSE OF ALL CMU WALLS W/ (2) # 5 BARS CONTINUOUS, INSTALL BOND BEAM @ ALL THROUGH WALL PENETRATIONS, EXTEND 16" PAST OPENING

2 ROOF FRAMING PLAN
1/4" = 1'-0"



NOTE:
FLOOR ELEVATION 100'-0" = 856.41'

NOTE:

1. FOR SUBGRADE PREPARATION REFER TO THE GEOTECHINICAL REPORT PREPARED BY ***SOILS ENGINEERING SERVICES INC.***
2. ALLOWABLE SOIL BEARING CAPACITY= 2000 PSI

1 FOUNDATION PLAN
1/4" = 1'-0"

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ISSUANCES:

5.7.20 PERMIT CD's

Construction Documents:

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PROJECT #: 190630.00
SHEET NUMBER
S100

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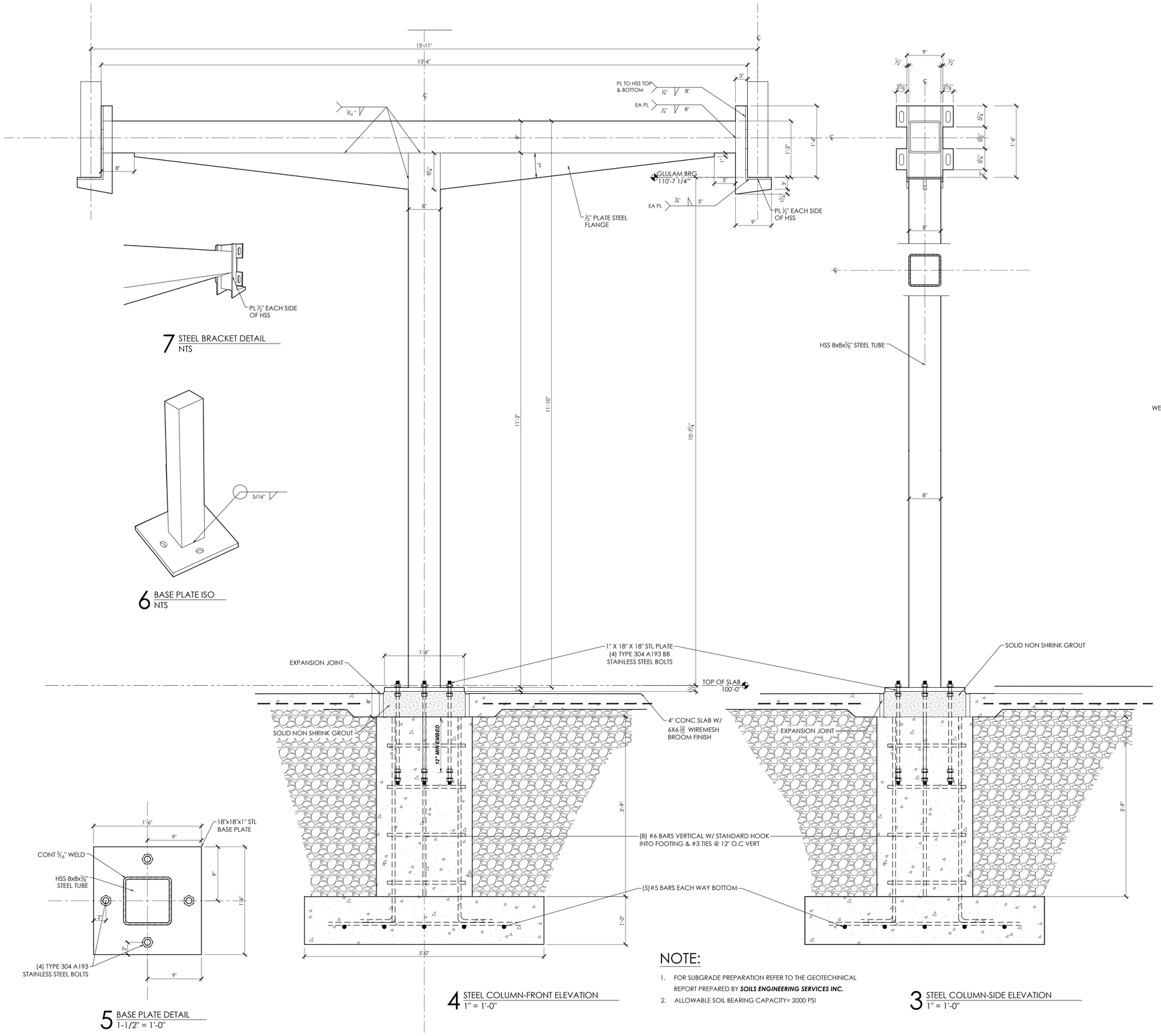
PLOT DATE: 04/13/2020



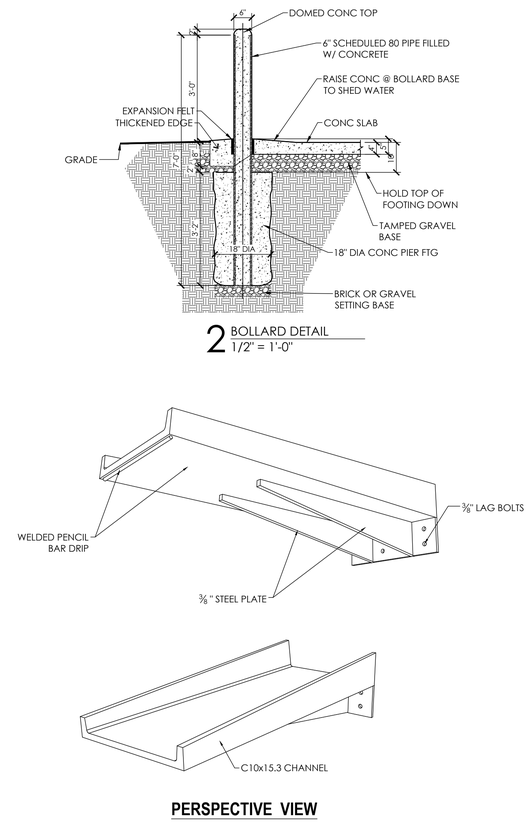
7 STEEL BRACKET DETAIL
NTS

6 BASE PLATE ISO
NTS

5 BASE PLATE DETAIL
1-1/2" = 1'-0"

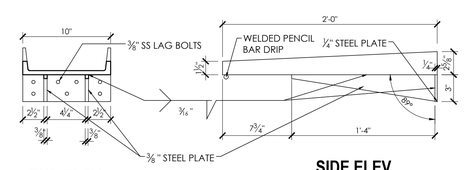
4 STEEL COLUMN-FRONT ELEVATION
1" = 1'-0"

3 STEEL COLUMN-SIDE ELEVATION
1" = 1'-0"



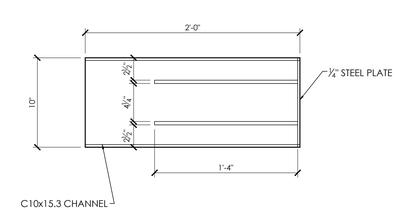
2 BOLLARD DETAIL
1/2" = 1'-0"

PERSPECTIVE VIEW



END ELEV.

SIDE ELEV.



PLAN

1 STEEL SCUPPER DETAIL
1-1/2" = 1'-0"

STEEL SCUPPER TO BE PAINTED W/ HIGH-PERFORMANCE PAINT PRIOR INSTALL

NOTE:

1. FOR SUBGRADE PREPARATION REFER TO THE GEOTECHINICAL REPORT PREPARED BY ***SOILS ENGINEERING SERVICES INC.***
2. ALLOWABLE SOIL BEARING CAPACITY= 2000 PSI

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PROJECT #: 190630.00

SHEET NUMBER

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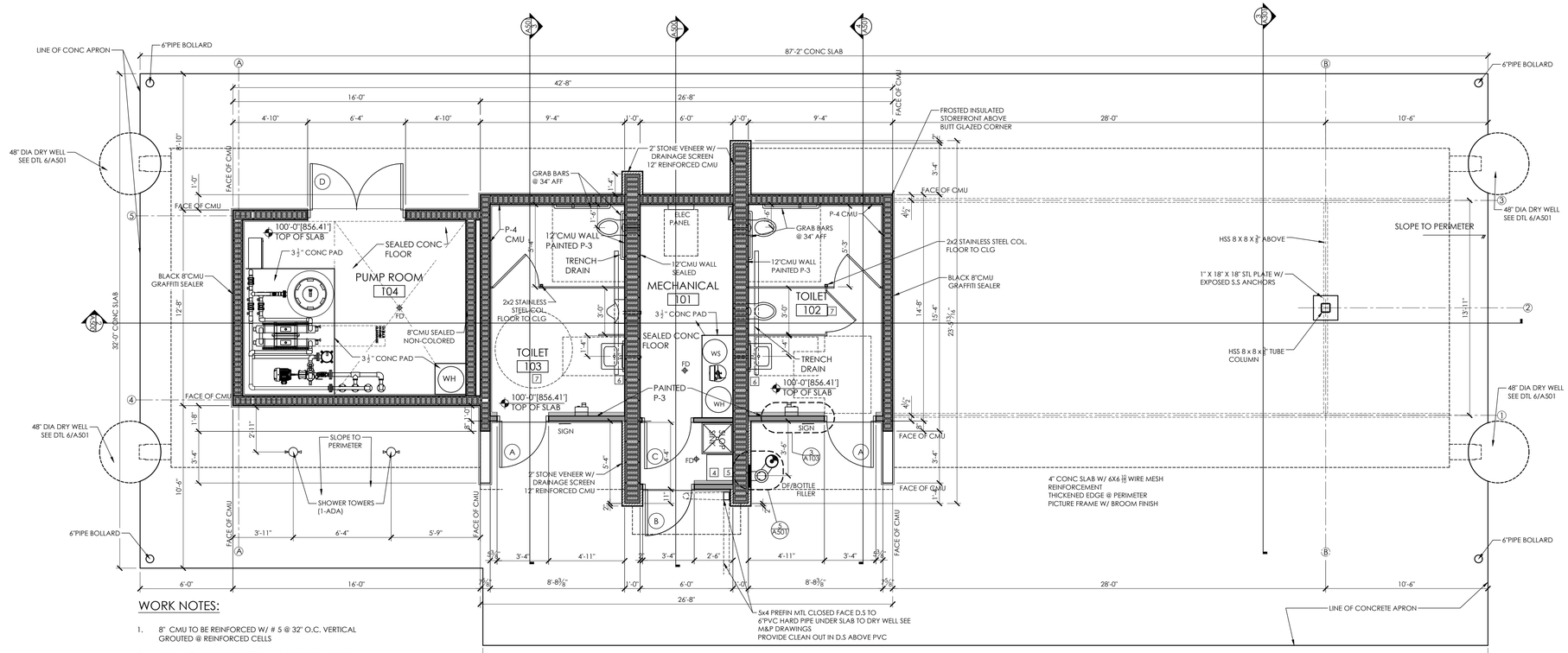
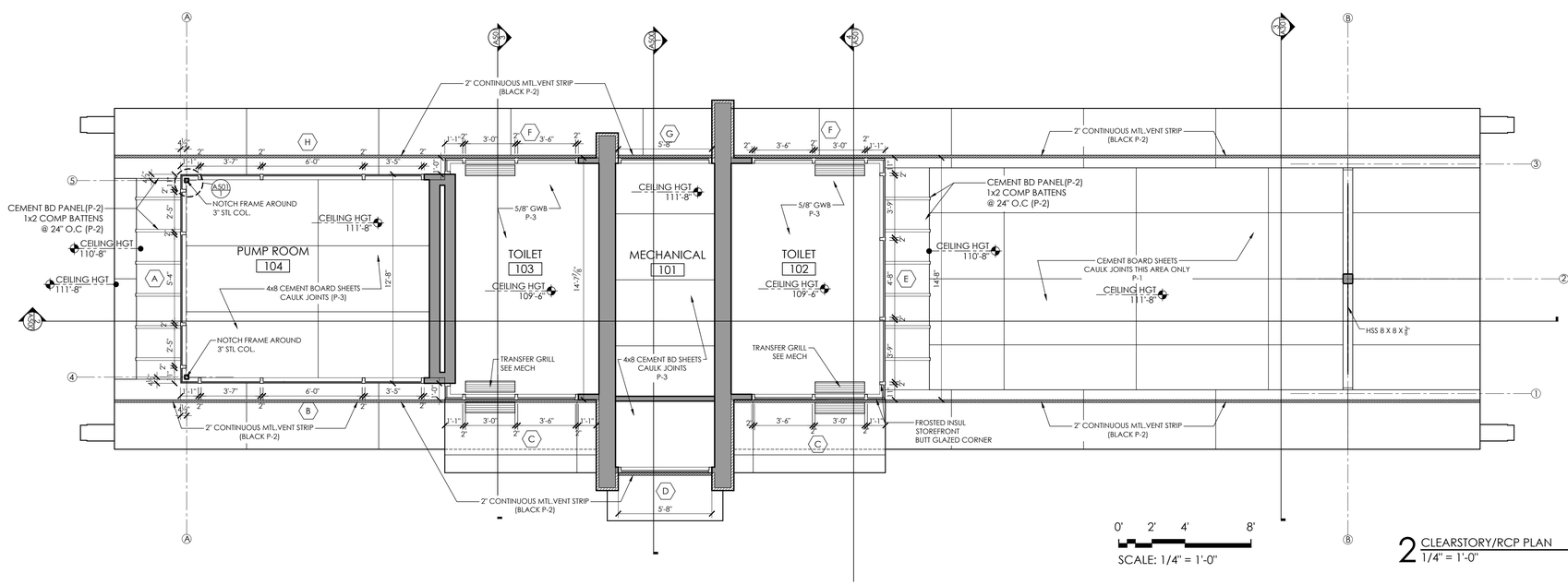


1 FLOOR PLAN
1/4" = 1'-0"

WORK NOTES:

1. 8" CMU TO BE REINFORCED W/ # 5 @ 32" O.C. VERTICAL GROUTED @ REINFORCED CELLS
2. 12" CMU TO BE REINFORCED W/ # 5 @ 24"O.C. VERTICAL GROUTED @ REINFORCED CELLS
3. INSTALL BOND BEAM @ TOP COURSE OF ALL CMU WALLS W/ (2) # 5 BARS CONTINUOUS, INSTALL BOND BEAM @ ALL THROUGH WALL PENETRATIONS, EXTEND 16" PAST OPENING
4. WIRE WALL SHELVES
5. PROVIDE WALL MOUNTED BRACKET FOR DRINKING FOUNTAIN FILTER PROVIDE ACCESS PANEL FOR FILTER
6. SOAP DISPENSERS FURNISHED BY OWNER G.C. TO INSTALL
7. EPOXY COATING ON SLAB W/ 6" EPOXY COVE BASE



0' 2' 4' 8'
SCALE: 1/4" = 1'-0"

2 CLEARSTORY/RCP PLAN
1/4" = 1'-0"

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CONTRACT #8850 / MUNIS #11971

ISSUANCES:

5.7.20 PERMIT CD's

Construction Documents:

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PROJECT #: 190630.00

SHEET NUMBER

A101

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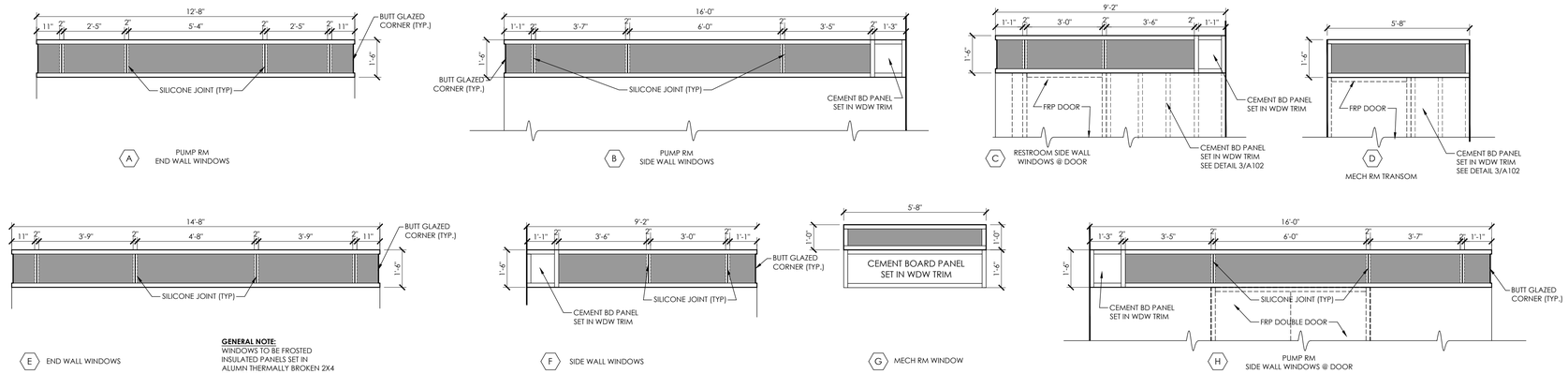
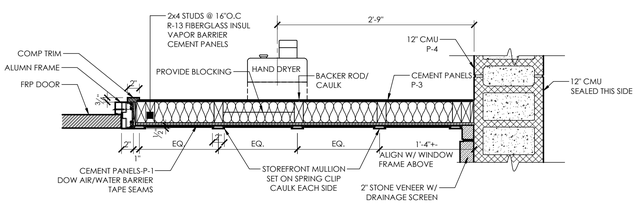
PLOT DATE: 04/13/2020

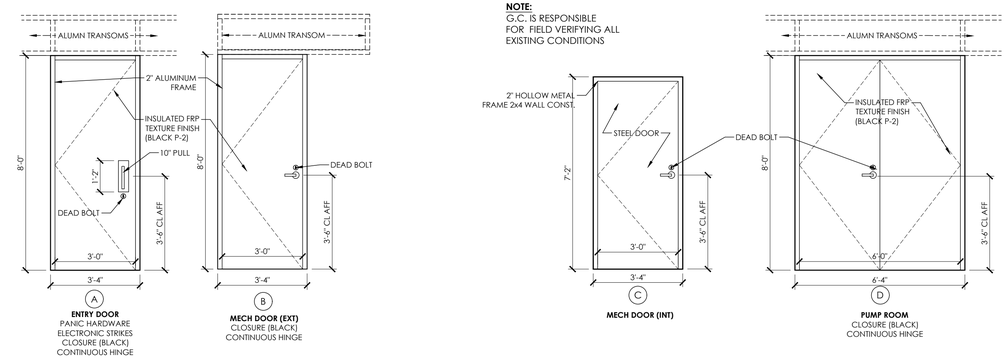


GENERAL NOTE:
WINDOWS TO BE FROSTED INSULATED PANELS SET IN ALUMN THERMALLY BROKEN 2X4 FRAMES (P-2)

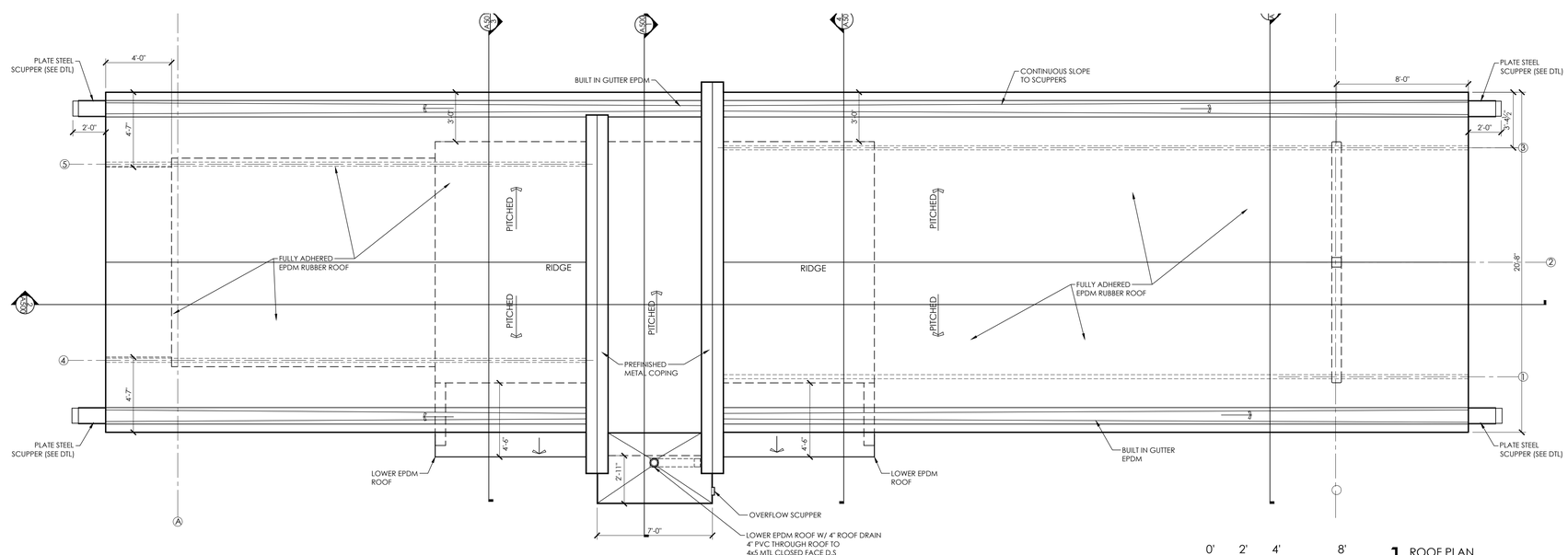
ALL WINDOWS SHALL BE FIELD MEASURED



3 WALL DETAIL @DOOR
1" = 1'-0"



2 DOOR & WINDOW TYPES
3/8" = 1'-0"



0' 2' 4' 8'
SCALE: 1/4" = 1'-0"

1 ROOF PLAN
1/4" = 1'-0"

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ISSUANCES:

5.7.20 PERMIT CD's

Construction Documents:

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PROJECT #: 190630.00
SHEET NUMBER
A102

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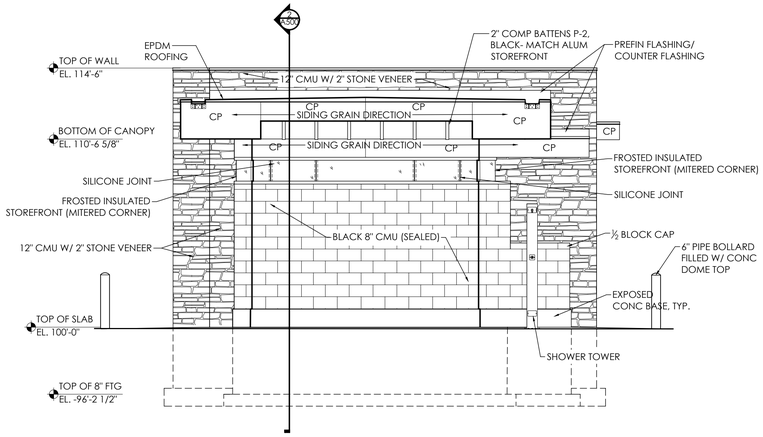
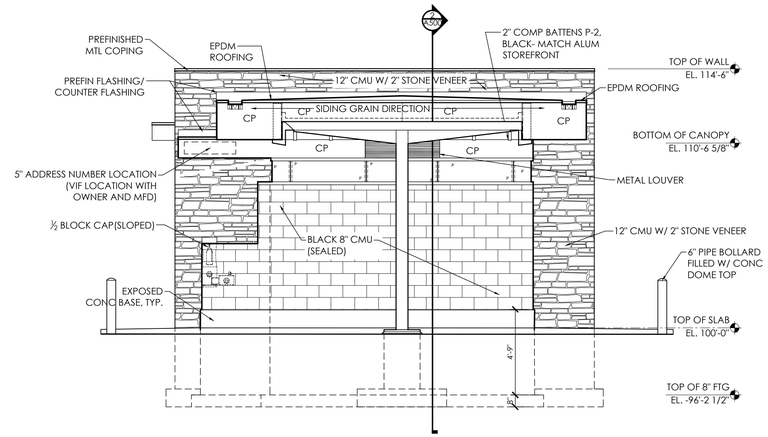
PLOT DATE: 04/13/2020



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



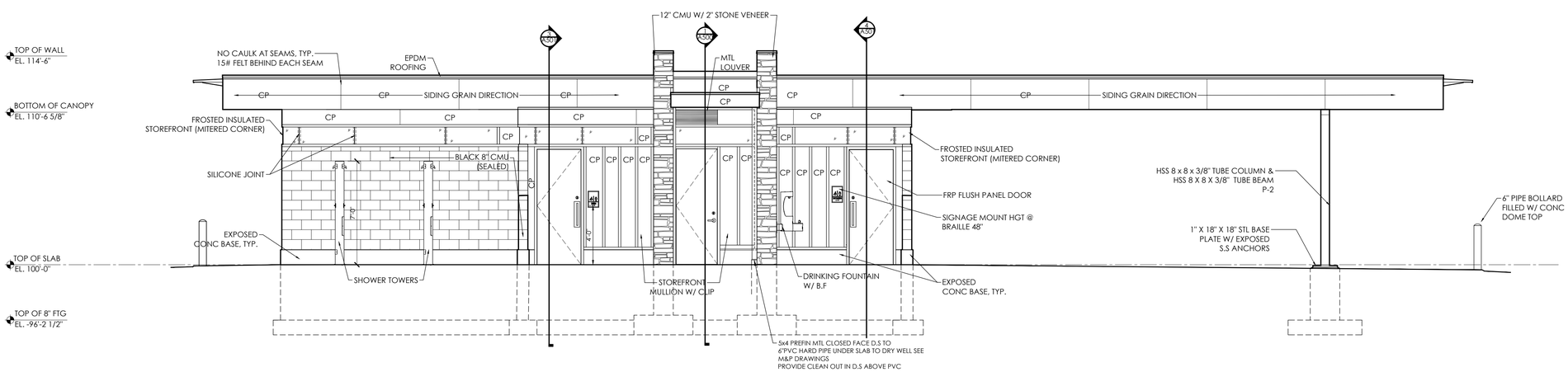
2 EXTERIOR ELEVATION
1/4" = 1'-0"

GENERAL NOTES:

ALL SEAMS IN THE HARDIE SIDING SHALL BE BUTT JOINTED (NO CAULK)(UNLESS NOTED) JOINTS TO HAVE 15# FELT PAPER STRIP BEHIND SEAM

ALL SIDING GRAIN SHALL RUN HORIZONTAL

FILL ALL VOIDS IN EXPOSED CONC FOUNDATION WALL W/ CEMENT SLURRY



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

0' 2' 4' 8'
SCALE: 1/4" = 1'-0"

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CONTRACT #8850 / MUNIS #11971

ISSUANCES:

5.7.20 PERMIT CD's

Construction Documents:

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PROJECT #: 190630.00

SHEET NUMBER

A300

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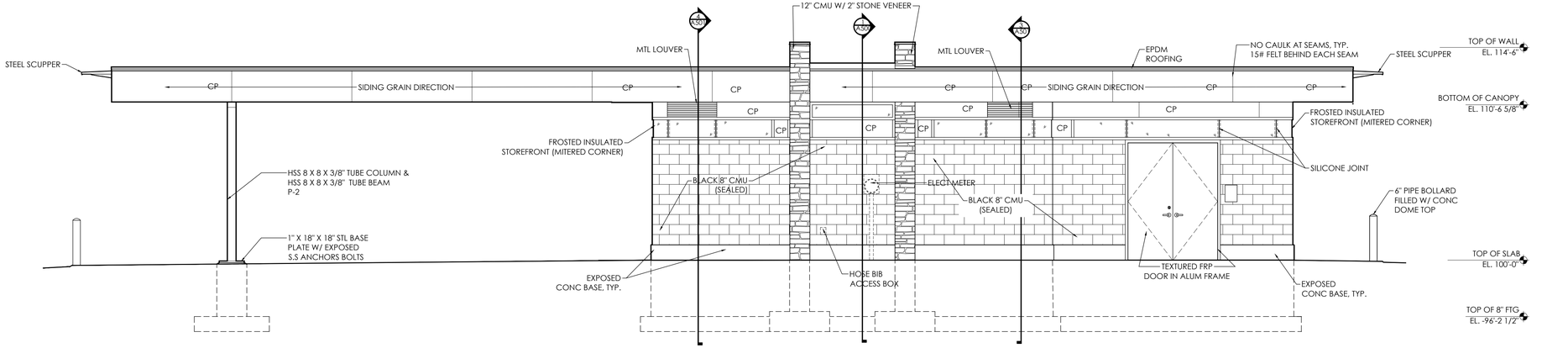
PLOT DATE: 04/13/2020

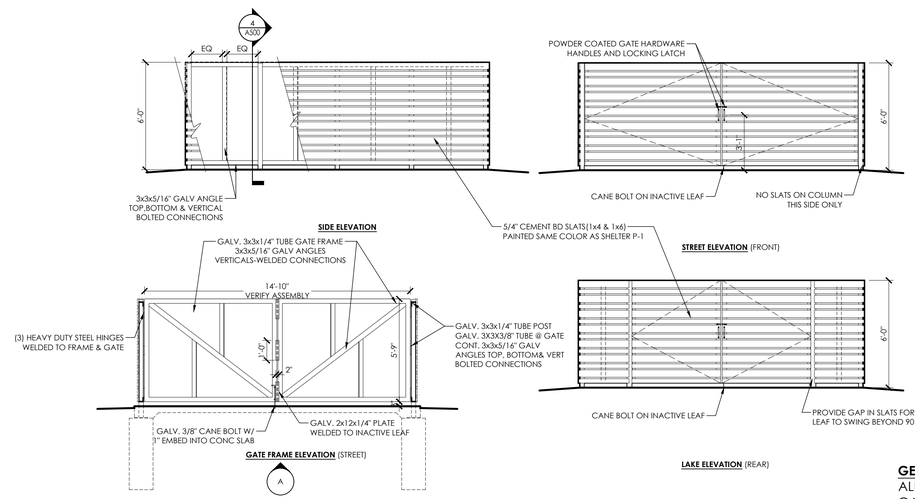


2 EXTERIOR ELEVATION (STREET)
1/4" = 1'-0"

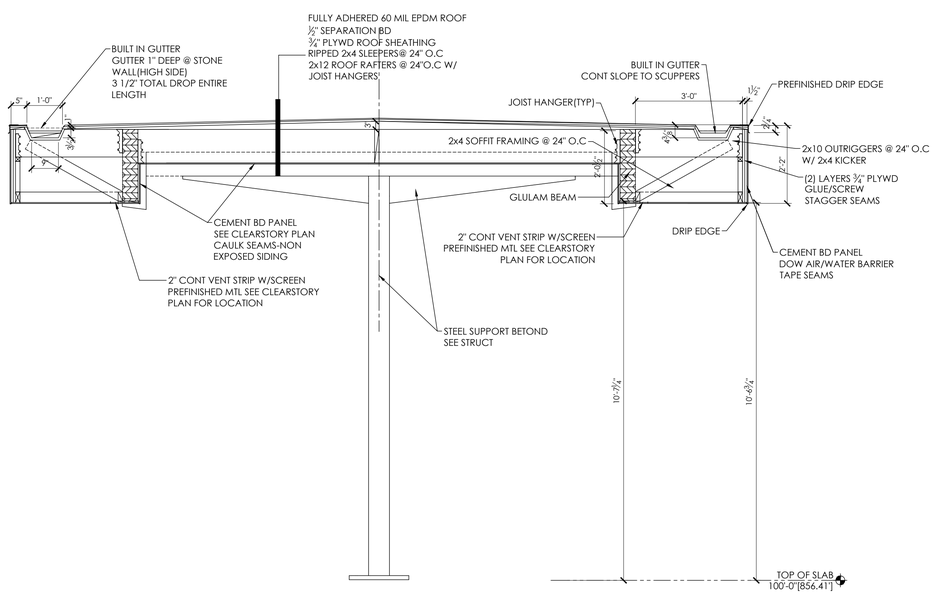
GENERAL NOTES:
ALL SEAMS IN THE HARDIE SIDING SHALL BE BUTT JOINTED (NO CAULK)(UNLESS NOTED) JOINTS TO HAVE 15# FELT PAPER STRIP BEHIND SEAM

ALL SIDING GRAIN SHALL RUN HORIZONTAL

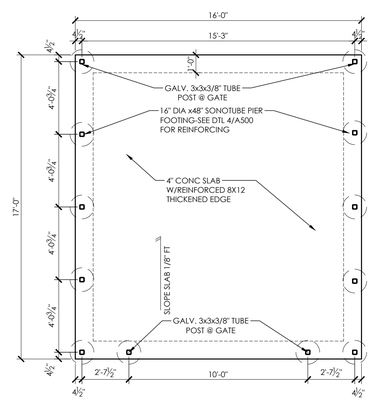
FILL ALL VOIDS IN EXPOSED CONC FOUNDATION WALL W/ CEMENT SLURRY



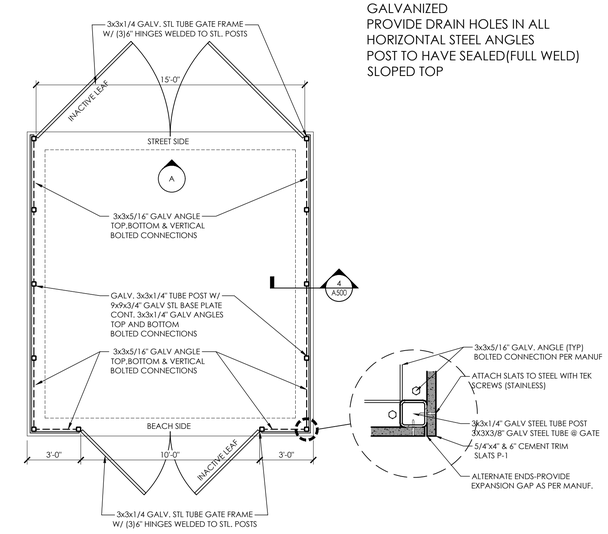
GENERAL NOTES:
ALL EXPOSED STEEL TO BE GALVANIZED
PROVIDE DRAIN HOLES IN ALL HORIZONTAL STEEL ANGLES
POST TO HAVE SEALED(FULL WELD) SLOPED TOP



3 CANOPY SECTION
1/2" = 1'-0"



1 DUMPSTER ENCLOSURE
1/4" = 1'-0"



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CONTRACT #8850 / MUNIS #11971

ISSUANCES:

5.7.20 PERMIT CD's

Construction Documents:

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PROJECT #: 190630.00
SHEET NUMBER
A301

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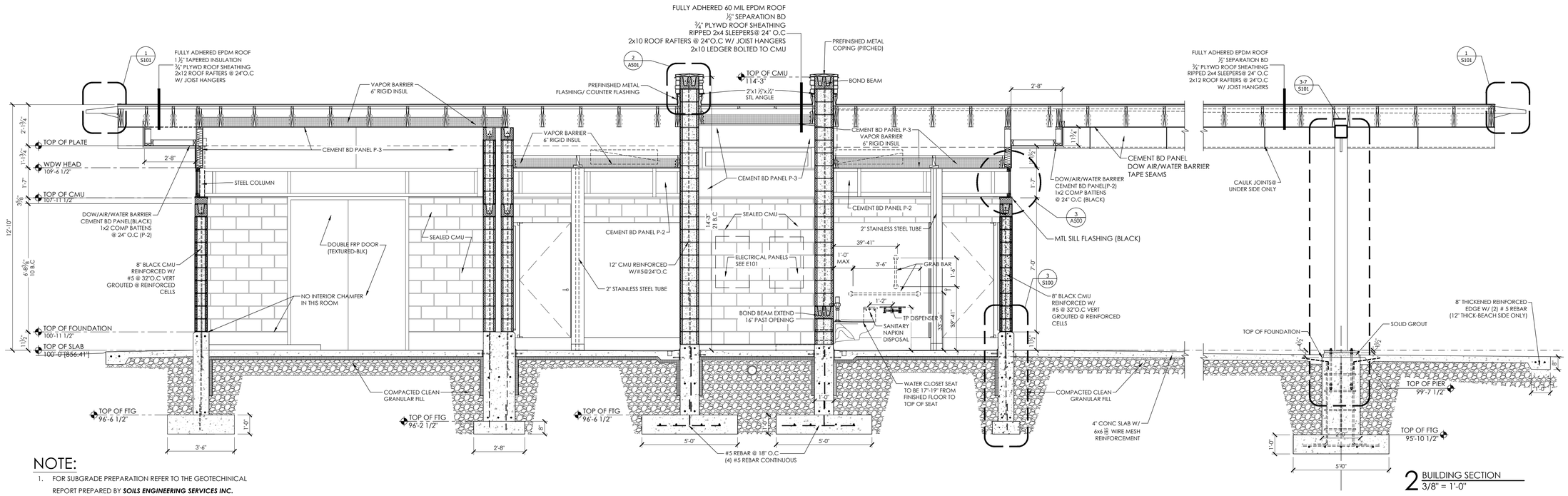
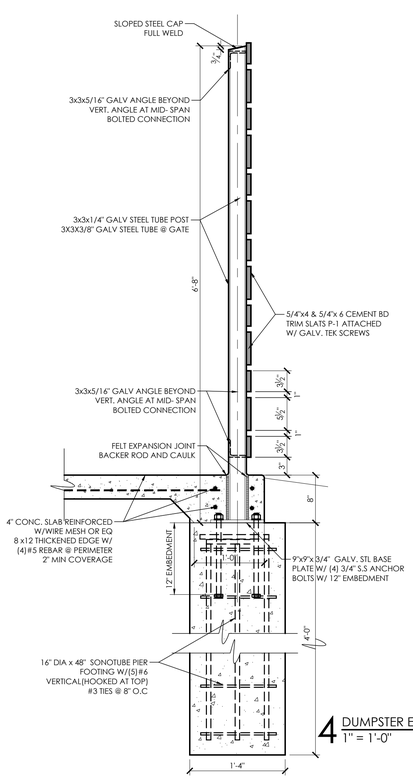
PLOT DATE: 04/13/2020



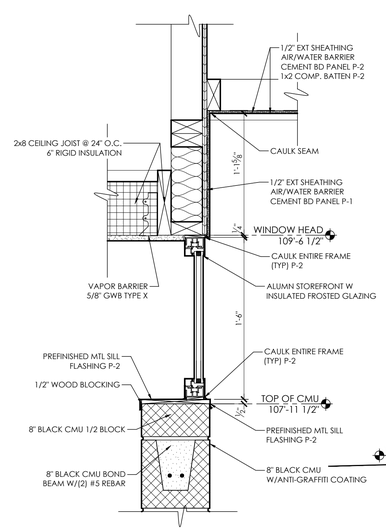
2 BUILDING SECTION
3/8" = 1'-0"

NOTE:

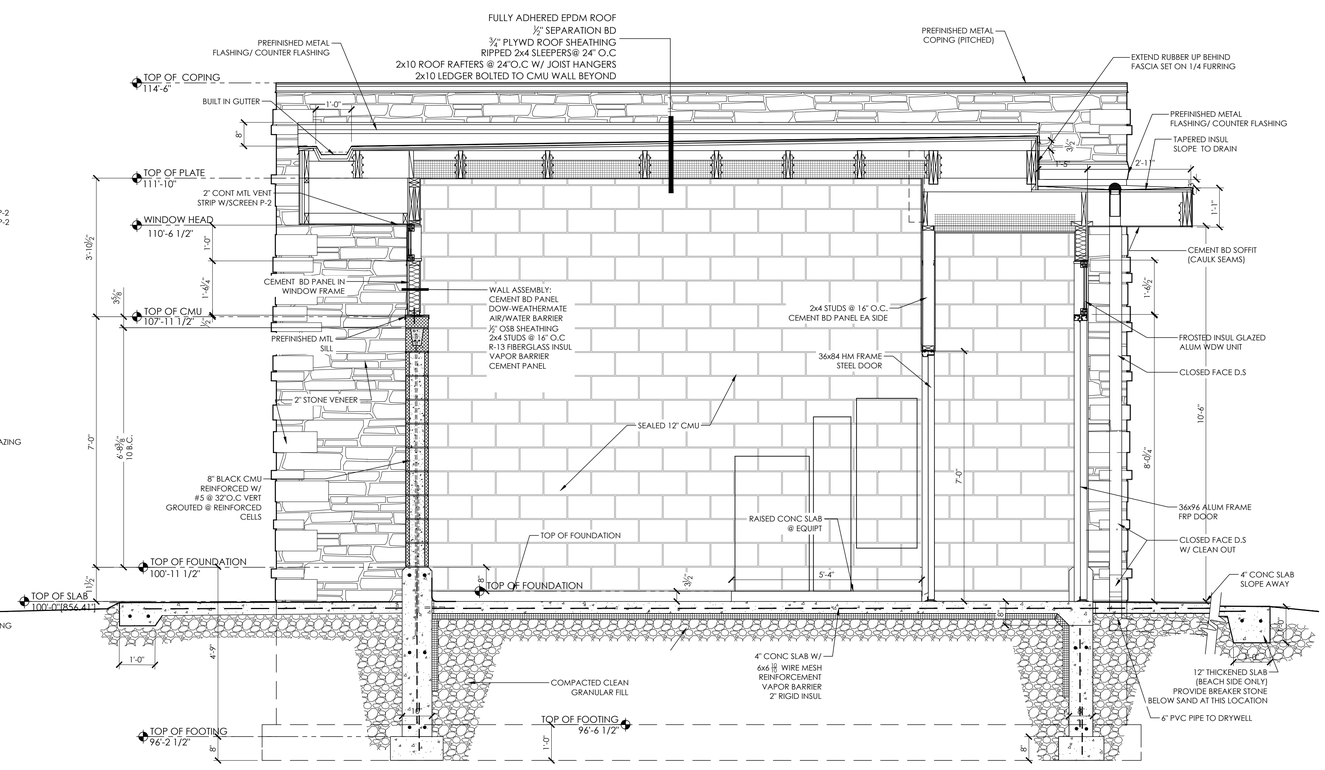
1. FOR SUBGRADE PREPARATION REFER TO THE GEOTECHINICAL REPORT PREPARED BY ***SOILS ENGINEERING SERVICES INC.***
2. ALLOWABLE SOIL BEARING CAPACITY= 2000 PSI



4 DUMPSTER ENCLOSURE SECTION
1" = 1'-0"



3 WINDOW DETAIL
1-1/2" = 1'-0"



1 BUILDING SECTION @ MECH ROOM
1/2" = 1'-0"

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CONTRACT #8850 / MUNIS #11971

ISSUANCES:

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PROJECT #: 190630.00

SHEET NUMBER

A500

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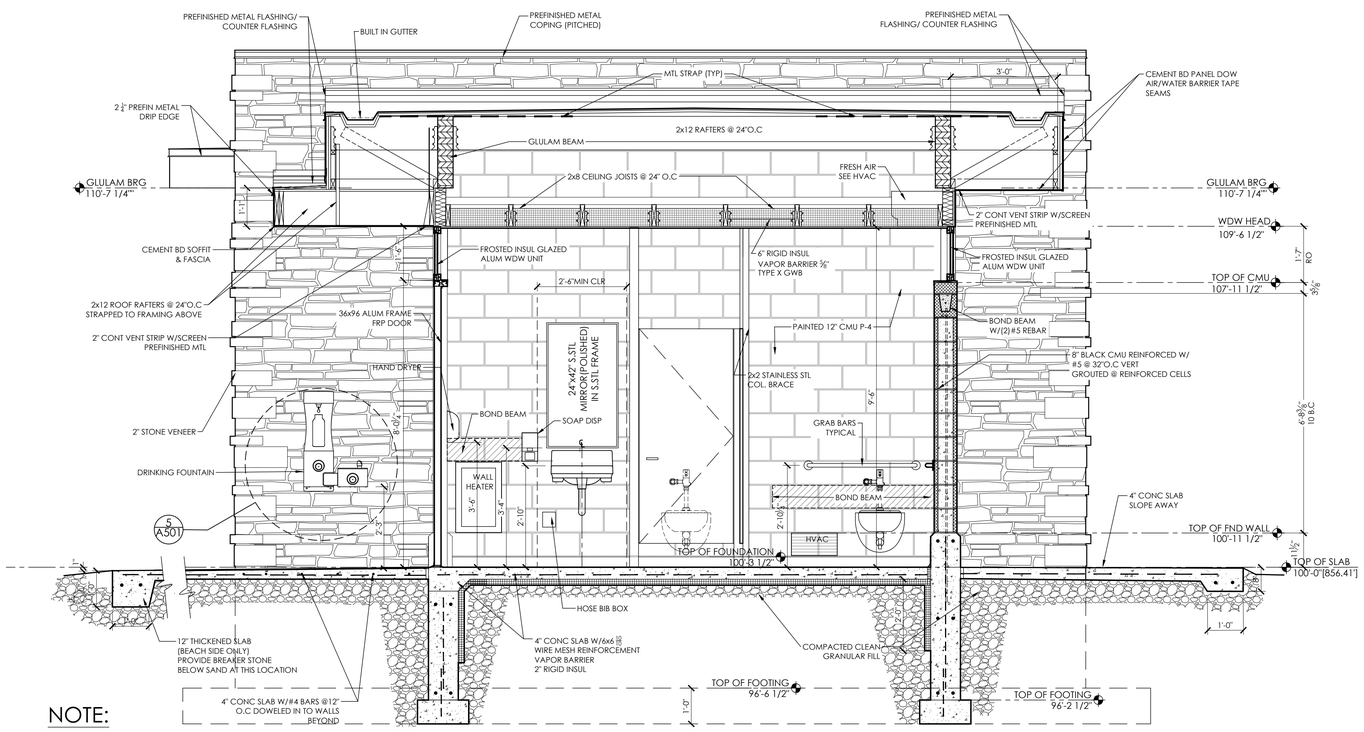
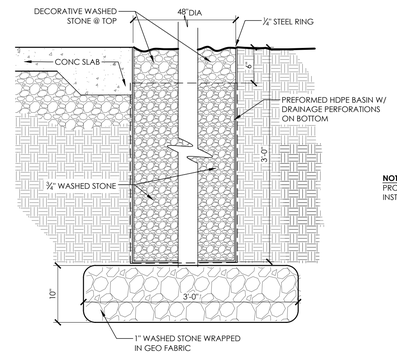
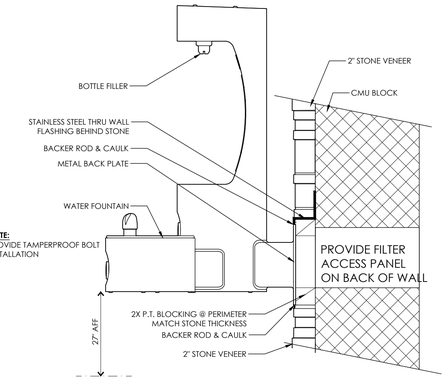
PLOT DATE: 04/13/2020



4 BUILDING SECTION @ WOMENS
1/2" = 1'-0"



6 DETAIL @ SCUPPER DRY WELL
1" = 1'-0"

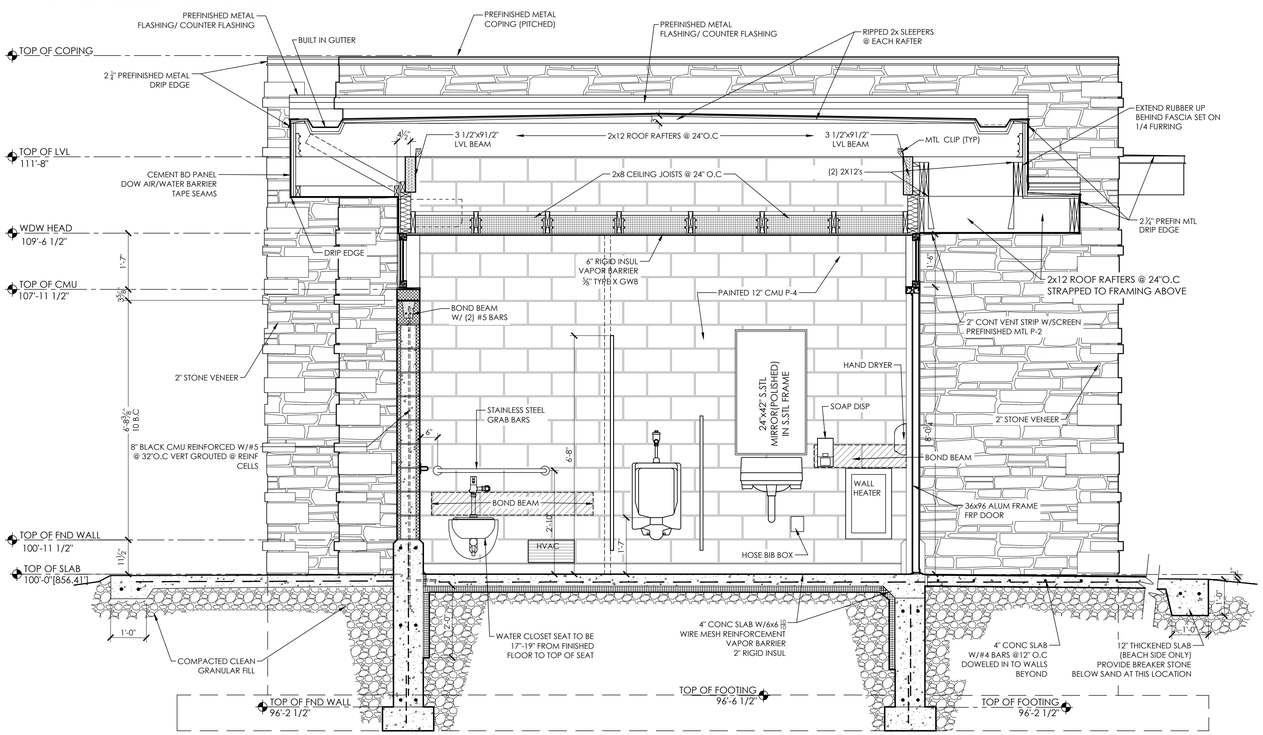


NOTE:
PROVIDE TAMPERPROOF BOLT INSTALLATION

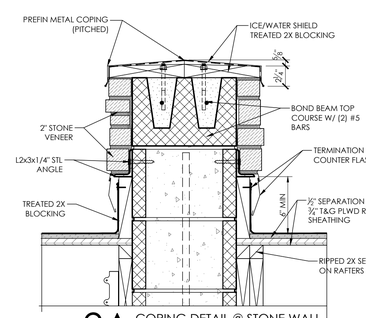
5 DETAIL @ WATER FOUNTAIN
1-1/2" = 1'-0"

NOTE:

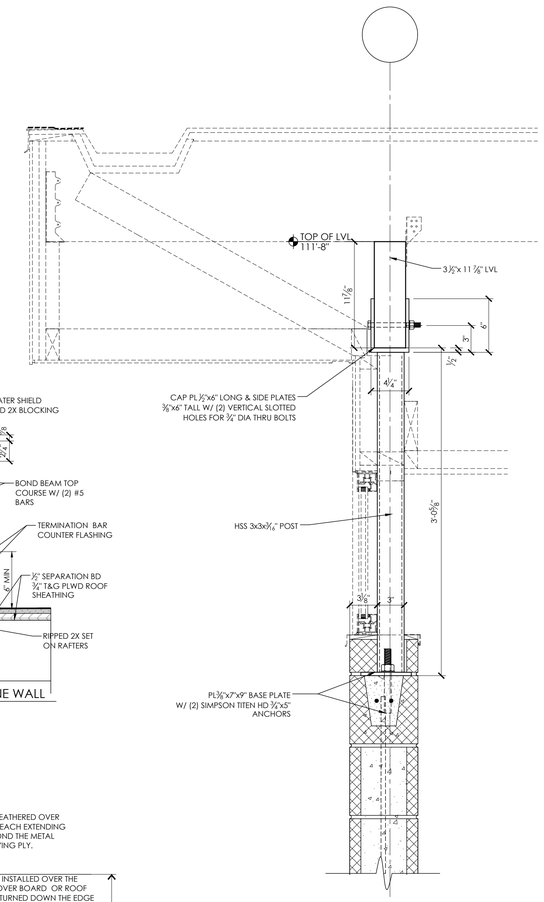
1. FOR SUBGRADE PREPARATION REFER TO THE GEOTECHINICAL REPORT PREPARED BY ***SOILS ENGINEERING SERVICES INC.***
2. ALLOWABLE SOIL BEARING CAPACITY= 2000 PSI



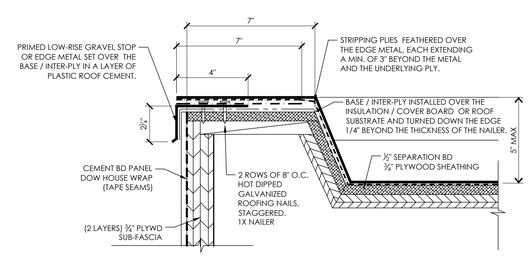
3 BUILDING SECTION @ MENS
1/2" = 1'-0"



2A COPING DETAIL @ STONE WALL
1-1/2" = 1'-0"



1 STEEL COLUMN DETAIL @ EXT WALL
1-1/2" = 1'-0"



NOTE:
INSTALL 4" LAYER OF PLASTIC CEMENT AT THE OVERLAP. EMBED NEXT LOW-RISE GRAVEL STOP OF EDGE METAL INTO PLASTIC CEMENT AND FASTEN.

2B ROOF EDGE DETAIL
3" = 1'-0"

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CONTRACT #8850 / MUNIS #11971

ISSUANCES:

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PROJECT #: 190630.00
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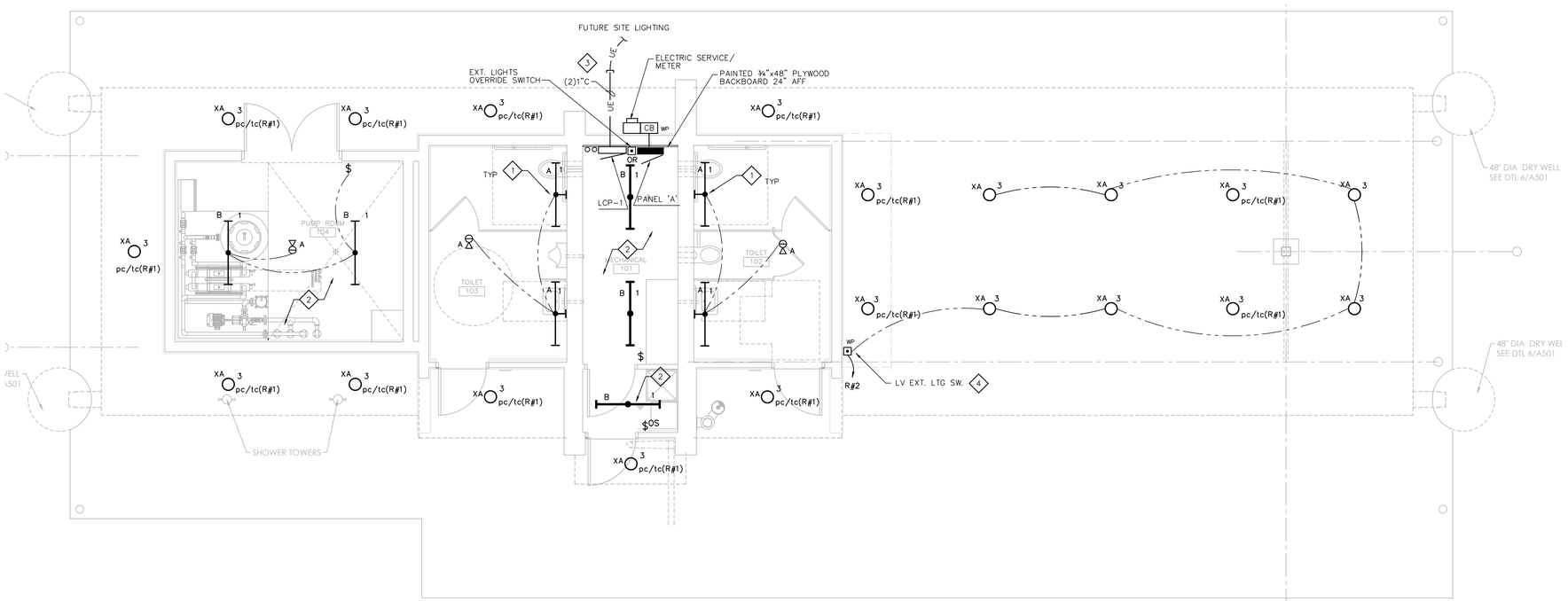
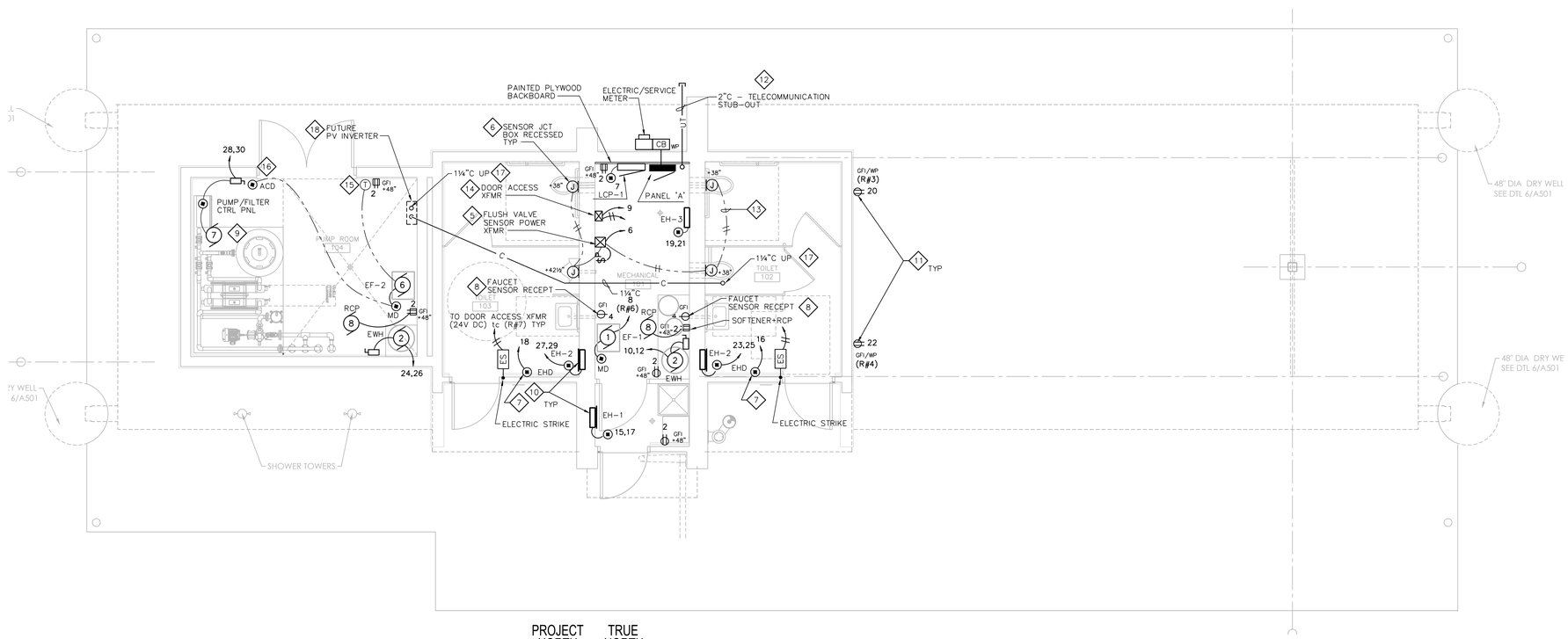


ELECTRICAL LIGHTING PLAN

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



ELECTRICAL POWER/LV PLAN

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

ELECTRICAL GENERAL NOTES:

1. COORDINATE LIGHTING & DEVICE LAYOUT WITH GENERAL CONTRACTOR.
2. COORDINATE ELECTRICAL RACEWAYS ROUTING WITH GENERAL CONTRACTOR AND OTHER TRADES FOR PROPER EQUIPMENT ACCESS.
3. ALL RACEWAYS ARE TO BE CONCEALED IN FINISHED AREAS. MECHANICAL & UTILITY AREAS MAY USE SURFACE CONDUIT SYSTEMS.
4. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL CONSTRUCTION CONDITIONS.
5. COORDINATE AND SCHEDULE ALL WORK WITH THE GENERAL CONTRACTOR AND LOW-VOLTAGE CABLING PRIOR TO STARTING.
6. ALL LIGHTS CIRCUITED TO PANEL 'A' UNLESS INDICATED OTHERWISE.

ELECTRICAL POWER/LV PLAN NOTES:

1. CORNER-MTD LIGHT FIXTURE @ CEILING.
2. COORDINATE LIGHT FIXTURE MOUNTING LOCATION WITH DUCTWORK, PIPING & OTHER TRADES.
3. STUB OUT 1" (PVC) RACEWAYS 24" BELOW GRADE FOR FUTURE PER SITE PLAN LIGHTING.
4. LV LIGHTING CONTROL STA. (WP). REFER TO LCP-1 RISER.
5. COORDINATE POWER TO LOW-VOLTAGE TRANSFORMER FOR FLUSH VALVES BY PLUMBING TRADE. PROVIDE MASTER PILOT LIGHT SWITCH FOR POWER TO FLUSH VALVES AND LABEL. ROUTE ALL LV CABLING IN RACEWAY.
6. PROVIDE 4"x4"x2⅛" RECESSED BOX WITH PLASTER RING FOR SENSOR MOUNTING HEIGHT TO CENTER OF BOX. COORDINATE INSTALLATION WITH PLUMBING TRADE. COORDINATE FINAL MOUNTING HEIGHT LOCATION WITH GENERAL CONTRACTOR.
7. PROVIDE 4"x4"x2⅛" RECESSED BOX WITH PLASTER RING FOR ELECTRIC HAND DRYER CONNECTION. PROVIDE POWER CONNECTION TO HAND DRYERS. COORDINATE FINAL MOUNTING HEIGHT LOCATION WITH GENERAL CONTRACTOR.
8. COORDINATE FINAL RECEPTACLE LOCATION WITH PLUMBING TRADE FOR FAUCET SENSOR POWER.
9. COORDINATE POWER REQUIREMENTS FOR PUMP/FILTER CONTROL PANEL WITH GENERAL CONTRACTOR & DANE COUNTY. WIRING BEYOND THE SINGLE POINT CONNECTION AT THE CONTROL PANEL BY OTHERS.
10. COORDINATE POWER WIRING AND RACEWAY REQUIREMENTS FOR ELECTRIC HEATERS WITH HVAC CONTRACTOR.
11. EXTERIOR RECEPTACLES POWER CONTROLLED BY LCP TIMECLOCK. REFER TO LCP RISER.
12. STUB OUT 2"(PVC) RACEWAY 24" BELOW GRADE AND CAPPED FOR FUTURE COMMUNICATIONS CABLING.
13. EXTEND LOW-VOLTAGE CABLING FROM TRANSFORMER (BY P.C.) TO FLUSH VALVE SENSORS. ROUTE CABLING IN CONDUIT OR RACEWAYS.
14. DOOR ACCESS TRANSFORMER (120 VAC/24 VDC) AND ELECTRIC STRIKE PROVIDED BY GENERAL CONTRACTOR AND WIRED BY ELECTRICAL TRADE. CONTROL XFMR POWER BY LCP RELAY #7. ALL CABLING IN EMT RACEWAY SYSTEM.
15. LINE VOLTAGE THERMOSTAT BY HVAC TRADE.
16. LINE VOLTAGE AUTOMATIC CONTROL ACTUATOR. INTERLOCK WITH EF-2 FAN OPERATION.
17. EXTEND 1¼" CONDUIT FROM 4" BELOW CEILING @ PUMP ROOM 104 TO 6" ABOVE ROOF AND CAP.
18. EXTEND 1" CONDUIT AND RACEWAY FROM 4" ABOVE FLOOR @ FUTURE PV INVERTER LOCATION TO PANEL 'A' ENCLOSURE WITH UNDERGROUND PVC CONDUIT.

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Project No. H1932

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PROJECT #: 19030.00

SHEET NUMBER

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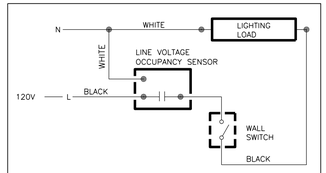
ELECTRICAL MOTOR/EQUIPMENT SCHEDULE

TAG	1	2	3	4	5	6	7	8
PANEL NO.	A	A	A	A	A	A	A	A
CIRCUIT	8	10,12	15,17	SEE PLAN	19,21	14	28,30	2
BREAKER	15	30	15	25	15	15	60	20
POLE	1	2	2	2	2	1	2	1
WIRING NO. ①	2+G (#12)	2+G (#10)	2+G (#12)	2+G (#10)	2+G (#12)	2+G (#12)	2+G (#10)	2+G (#12)
TYPE	THHN/CU	THHN/CU	THHN/CU	THHN/CU	THHN/CU	THHN/CU	THHN/CU	THHN/CU
SIZE	#12	#10	#12	#10	#12	#12	#6	#12
COND.	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"	1/2"
ELECTRICAL HP	1/4	(4.5)	(2.0)	(4.0)	(2.0)	1/10	3 HP + 1.0 KW	1/25
VOLT	115	240	240	240	240	115	240	115
PHASE	1	1	1	1	1	1	1	1
FLA (MCA)	3.7 (4.6)	18.8 (23.4)	8.3 (10.4)	16.7 (20.9)	8.3 (10.4)	2.2 (2.8)	27 (34)	0.22
STARTER TYPE	N.R.	w/UNIT	w/UNIT	w/UNIT	w/UNIT	w/UNIT	w/UNIT	N.R.
SIZE	–	–	–	–	–	–	–	–
BY	–	P.C.	H.C.	H.C.	H.C.	–	OTHERS	–
CONTROL TYPE	LCP	AQUASTAT w/UNIT	STAT	STAT	STAT	LV COOLING STAT	W/UNIT	INTEGRAL TIMECLOCK
BY	E.C.	P.C.	H.C.	H.C.	H.C.	H.C.	OTHERS	P.C.
DISCONNECT TYPE	w/UNIT	NEMA 1 H.D.	w/UNIT	w/UNIT	w/UNIT	w/UNIT	NEMA 1 H.D.	GFI RECEPTACLE
SIZE	–	30	–	–	–	–	60	15
FUSE	–	–	–	–	–	–	–	–
BY	H.C.	E.C.	H.C.	H.C.	H.C.	H.C.	E.C.	E.C.
REMARKS	EXHAUST FAN EF-1	ELECTRIC WTR. HTR. EWH	ELECTRIC HEATER EH-1	ELECTRIC HEATER EH-2	ELECTRIC HEATER EH-3	EXHAUST FAN EF-2	PUMP/ FILTER CTRL PNL	DHW RECIRC. PUMP RCP-1

E.C. = ELECTRICAL CONTRACTOR
H.C. = HVAC CONTRACTOR
P.C. = PLUMBING CONTRACTOR
G.C.=GENERAL CONTRACTOR

N.R.=NOT REQUIRED
H.D.=HEAVY DUTY

① PROVIDE GREEN WIRE GROUND TO ALL MOTORS AND EQUIPMENT PER NEC 250-95.



② **OCCUPANCY SENSOR WIRING SCHEMATIC LINE VOLTAGE** N.T.S.

LIGHTING FIXTURE SCHEDULE

TAG	LAMPS NO.	TYPE	WATTS	DESCRIPTION	MOUNTING	MFGR. & MODEL	REMARKS
A	–	LED	45	W/FIXTURE	SURFACE/ CORNER MTD	KENALL – MLHA5-48-R-MW-PP-1-45L40K-DCC-1-120-CMB	(1)(2) 4 FT VR CORNER MTD SURFACE WRAP
B	–	LED	42	W/FIXTURE	SURFACE PENDANT/CLG	LITHONIA – ZL2N-L48-3000LM-MDD-MVOLT-40K-80CRI-WH + HC36	(1)(4) 4 FT SURFACE PENDANT CHAIN HUNG STRIP
XA	–	LED	24	W/FIXTURE	RECESSED/ SOFFIT	KENALL – HAD6L-FF-5FW-22L-40K8-W-CSS-G-RIG6-DV-DIM1	(1)(3) EXT. RECESSED VR 6"ø CAN 1,700L 40K

LAMP ABBREVIATIONS:
LED=LIGHT EMITTING DIODE

REMARKS:
① LED LAMPING/DRIVER.
② CORNER MTG BRACKET (CMB).
③ WET LOCATION UL LISTED.
④ CHAIN HUNG FIXTURE.

ALL VOLTAGES ARE 120 VOLT UNLESS INDICATED OTHERWISE.

OCCUPANCY SENSOR SCHEDULE

SYMBOL	MOUNTING	VOLTAGE	RATED CURRENT /LOAD	SENSOR TYPE	SENSOR COVERAGE	MFGR. & MODEL	REMARKS
A	SURFACE/ CLG	120 VAC	800 Watt	DT	360° 24'x24'	SENSOR SWITCH RMR-PDT-9-LT	(1)(2)RECESSED CLG MTD DT
$OS	WALL SWITCH	120 VAC	800 Watt	DT	160° 20'	SENSOR SWITCH WSD-PDT	(1) WALL SWITCH DT

ABBREVIATIONS:
PIR=PASSIVE INFRARED
U=ULTRASONIC
DT=DUAL TECHNOLOGY (PIR+U)

(1) COORDINATE PLATE FINISH COLOR WITH ARCHITECT. (2) LOW-TEMPERATURE RATED

PANEL 'A' AIC=22K W/SERVICE GRND

AMPS 225 | VOLTS 120/240 | MOUNTING SURFACE
MAIN 200 | PHASE 1 | LOCATION MECH 101

BRKR A	BRKR P	DESCRIPTION	CIRCUIT WATT	CIRCUIT NO.	PHASELOADS A	PHASELOADS B	CIRCUIT NO.	CIRCUIT WATT	DESCRIPTION	BRKR A	BRKR P
20	1	INTERIOR LTS	400	1	1120		2	720	RECEPT MECH 101 & 104	20	1
20	1	EXTERIOR BLDG LTS	430	3		730	4	300	RECEPT FLUSH VALVES-LAV	15	1
20	1	EXTERIOR SITE LTS FUTURE	0	5	300		6	300	XFMR – FLUSH VALVES	15	1
20	1	LCP	300	7		730	8	430	EXHAUST FAN EF-1	15	1
20	1	DOOR ACCESS XFMR	100	9	2350		10	2250	EWH-ELECT. WTR HTR 101	30	2
				11		2250	12	2250	EWH-ELECT. WTR HTR 101	–	–
				13	260		14	260	EF-2	15	1
15	2	EH-1 MECH 101	1000	15		2500	16	1500	EHD-TOILET 102	20	1
–	–	EH-1 MECH 101	1000	17	2500		18	1500	EHD-TOILET 103	20	1
15	2	EH-3 MECH 101	1000	19		2500	20	1500	RECEPT-SHELTER	20	1
–	–	EH-3 MECH 101	1000	21	2500		22	1500	RECEPT-SHELTER	20	1
25	2	EH-2 TOILET 102	2000	23		4250	24	2250	EWH-ELECT. WTR HTR 104	30	2
–	–	EH-2 TOILET 102	2000	25	4250		26	2250	EWH-ELECT. WTR HTR 104	–	–
25	2	EH-2 TOILET 103	2000	27		5420	28	3240	PUMP/FILTER CTRL PNL 104	60	2
–	–	EH-2 TOILET 103	2000	29	5420		30	3240	PUMP/FILTER CTRL PNL 104	–	–
				31			32				
				33			34				
				35			36				
				37			38				
60	2	FUTURE SOLAR PV		39			40	–	SPD	30	2
–	–	FUTURE SOLAR PV		41			42	–	SPD	–	–
					18,520	18,200					

ESTIMATED DEMAND LOAD: 32,520 WATTS; 135.5 AMPS

TOTAL CONNECTED LOADS: 36,720 WATTS; 153 AMPS

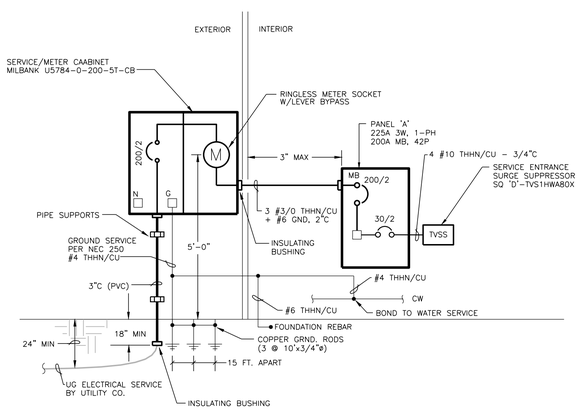
ELECTRICAL SYMBOL SCHEDULE

MOUNTING HGT.	SYMBOL	DESCRIPTION
		LIGHTING FIXTURES
	PANEL/CIRC.# TYPE SWITCHING	LED: SURFACE/ PENDANT
		LED: RECESSED
		LED: SURFACE/WALL MTD
		LED LINEAR: SURFACE, CEILING MOUNTED
		LED LINEAR: SURFACE, WALL MOUNTED
		SWITCHES
48"	$	SINGLE POLE
48"	$OS	OCCUPANCY SENSOR CONTROLLED WALL SWITCH
48"	$P	SINGLEPOLE – PILOT ILLUMINATED
		OCCUPANCY SENSOR
		CEILING MTD TYPE
		LIGHTING CONTROL SYSTEM
60"	LCP	LIGHTING CONTROL PANEL
48"	OR	LOW-VOLTAGE SWITCH OVERRIDE
		SECURITY
	ES	ELECTRIC DOOR STRIKE
		RECEPTACLES
18"		125V. 2P, 2W SINGLE RECEPTACLE
18"		DUPLEX: SURFACE MTD
18"		DUPLEX: RECESSED WP = WATERPROOF
18"		DUPLEX: SURFACE MTD
18"	GFI	DUPLEX: W/GROUND FAULT INTERRUPTION PROTECTION
		EQUIPMENT AND WIRING
		DIRECT EQUIPMENT CONNECTION
		MOTOR CONNECTION-SEE EQUIP. SCHEDULE FOR TYPE, WIRING, ETC.
	J	JUNCTION BOX-CONCEALED IN FINISHED AREAS, SURFACE IN UNFINISHED AREAS
		SAFETY DISCONNECT SWITCH WITH COVER INTERLOCK-W.P. INDICATES WATERPROOF (NON-FUSED UNLESS INDICATED BY 'F'-FUSED)
		TRANSFORMER
		MANUAL STARTER
		ELECTRICAL POWER PANEL
	UE	UNDERGROUND ELECTRICAL CONDUIT
	UT	UNDERGROUND TELECOM CONDUIT

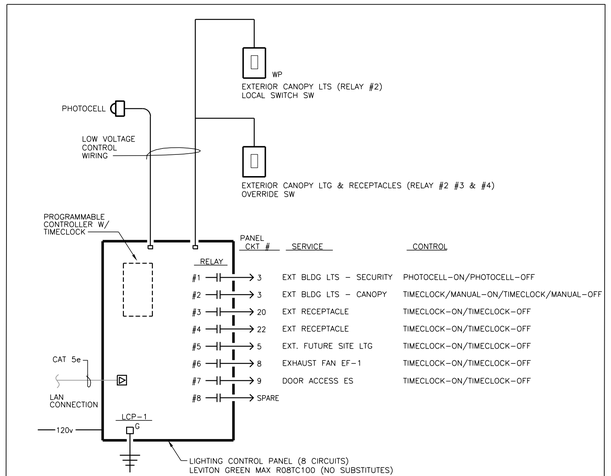
ABBREVIATIONS

SUBSCRIPTS
AFF=ABOVE FINISH FLOOR
GFI=GROUND FAULT INTERRUPTER
NL=NIGHT LIGHT-24 HOURS
PC=PHOTOCELL CONTROLLED
PC/TC=PHOTOCELL ON/ TIMECLOCK OFF
TC=TIMECLOCK CONTROLLED
WP=WEATHERPROOF

EQUIPMENT
EF = EXHAUST FAN
EH = ELECT. HEATER
EHD = ELECT. HAND DRYER
EWH = ELECTRIC WATER HEATER



③ **ELECTRICAL SERVICE RISER - MG&E**
200 AMP 1-PHASE/3-WIRE 120/240 VOLT



① **PROGRAMMABLE LIGHTING CONTROL PANEL (LCP) SCHEMATIC**
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WARNER PARK BEACH
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CONTRACT #XXX / MUNIS #XXX

ISSUANCES:
5.7.20 PERMIT CD'S

Construction Documents:
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PROJECT #: 19030.00
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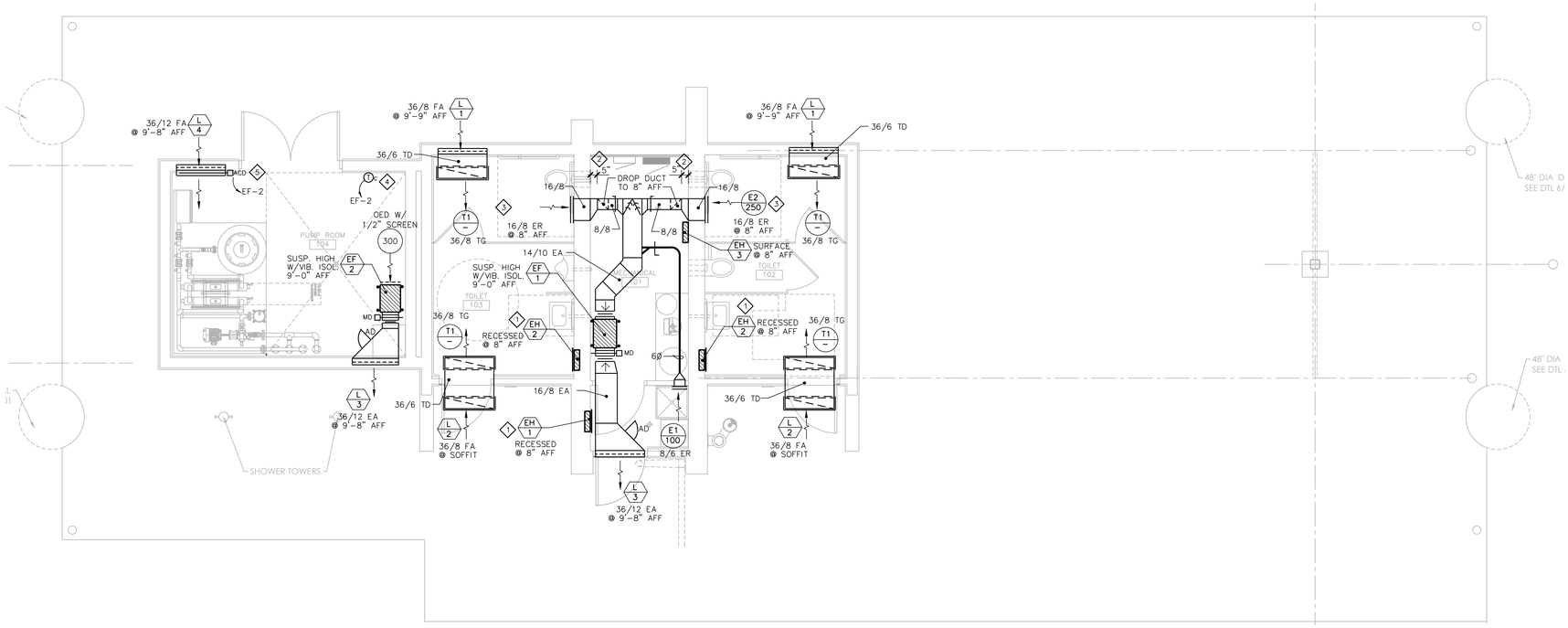
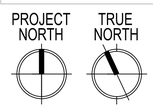
E102



BASE PLAN - HVAC

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



HVAC GENERAL NOTES:

1. HVAC CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF HVAC WORK WITH OTHER TRADES.
2. COORDINATE PROVISIONS FOR OPENINGS IN NEW CONSTRUCTION WITH THE GENERAL CONTRACTOR FOR APPROVAL PRIOR TO STARTING WORK.
3. HVAC CONTRACTOR IS RESPONSIBLE FOR CUTTING AND PATCHING WALLS, FLOORS & CEILINGS FOR NEW HVAC WORK, IF REQUIRED.
4. COORDINATE FINAL CEILING REGISTER AND GRILLE LOCATIONS WITH OTHER TRADES.
5. COORDINATE PIPING AND DUCTWORK ROUTING WITH OTHER TRADES TO MAINTAIN SCHEDULED CEILIG HEIGHTS.
6. PROVIDE PROPER SERVICE CLEARANCES AND ACCESS SPACE FOR ALL NEW EQUIPMENT.
7. PROVIDE ACCESS PANELS TO SERVICE EQUIPMENT, WHERE REQUIRED.

HVAC PLAN NOTES:

1. COORDINATE RECESS OPENINGS IN BLOCK WALLS FOR ELECTRIC WALL HEATERS WITH GENERAL CONTRACTOR & MASONRY CONTRACTOR.
2. DROP DUCT 5" AWAY FROM WALL TO ALLOW CLEARANCE FOR PLUMBING PIPING.
3. COORDINATE DUCT OPENING IN BLOCK WALLS WITH GENERAL CONTRACTOR & MASONRY CONTRACTOR.
4. LINE VOLTAGE COOLING THERMOSTAT CONTROLLING EF-2.
5. DIRECT-COUPLED EXTERNAL ACTUATOR (BELIMO) 120V.

EXHAUST FAN SCHEDULE

TAG	EF-1	EF-2
MANUFACTURER	GREENHECK	GREENHECK
MODEL NO.	SQ-100-VG	SQ-90-VG
AREA SERVED	TOILETS & MECH	PUMP ROOM
CFM	600	300
ESP "WG	1/2"	1/2"
RPM	1241	1537
MOUNTING	SPRING VIB. HANGERS	SPRING VIB. HANGER
DRIVE	DIRECT	DIRECT
SONES (INLET/RADIATED)	6.3/3.0	7.3/4.2
ELECTRICAL: MOTOR HP (BHP)	1/4	1/10
FAN F.L.A.	3.7	2.2
VOLTAGE/PHASE	115/1	115/1
CONTROL	OCCUPIED BLDG MODE	COOLING THERMOSTAT
REMARKS:	INLINE EF ①②③④⑤⑥⑦	INLINE EF ②③④⑤⑥⑦⑧

NOTE: ALL EF LINE VOLTAGE CONTROLS WIRED BY E.C.

① INTERLOCK EF-1 WITH LCP BUILDING OCCUPIED MODE SCHEDULE.
② ECM MOTOR WITH UNIT-MOUNTED POTENTIOMETER FOR BALANCING.
③ SPRING/NEOPRENE VIBRATION ISOLATION HANGERS.
④ MOTORIZED (115V) OPPOSED BLADE, LOW-LEAKAGE DAMPER.
⑤ DIRECT-COUPLED EXTERNAL ACTUATOR (BELIMO).
⑥ NEMA 1 DISCONNECT SWITCH UNIT-MOUNTED.
⑦ INSULATED HOUSING.
⑧ LINE-VOLTAGE COOLING THERMOSTAT.

DIFFUSERS, REGISTERS AND GRILLES SCHEDULE

TAG	MFGR	MODEL	SIZE NECK (WxH)	SIZE FACE (L)	MOUNTING	SERVICE	CFM	REMARKS
E1	KEES	GHD40	8"x6"	–	SURFACE/WALL	EXHAUST	100	①②③ HD ER 40 deg BL
E2	KEES	GHD40	16"x8"	–	SURFACE/WALL	EXHAUST	250	①②③ HD ER 40 deg BL
T1	KEES	GHD40	36"x8"	–	SURFACE/CLG	TRANSFER	–	①③ HD TG 40 deg BL

REMARKS:
① WHITE FINISH.
② OPPOSED BLADE DAMPER.
③ SUB-FRAME 24 GA.

ER = EXHAUST REGISTER
HD = HEAVY DUTY
TG = TRANSFER GRILLE

ELECTRIC HEAT SCHEDULE

TAG	MFGR	MODEL NO.	TYPE	SIZE HTxWxDEPTH	WATTS	CAP. BTU/HR	ELECTRICAL VOLTS/PHASE	ELECTRICAL AMPS	REMARKS
EH-1	Q-MARK	AWH-4404	RECESSED WALL HTR	18¼""x15¾"x3⅞"	2000	6,825	240/1	8.3	①②
EH-2	Q-MARK	AWH-4404	RECESSED WALL HTR	18¼""x15¾"x3⅞"	4000	13,650	240/1	16.7	①②③
EH-3	Q-MARK	AWH-4404	SURFACE WALL HTR	18¼""x15¾"x3⅞"	2000	6,825	240/1	8.3	①②④

① INTEGRAL TAMPER PROOF THERMOSTAT.
② BUILT-IN DISCONNECT SWITCH.
③ LFKSFC: 14 GA SECURITY FRONT COVER.
④ AWHSM: SURFACE MOUNTING FRAME.

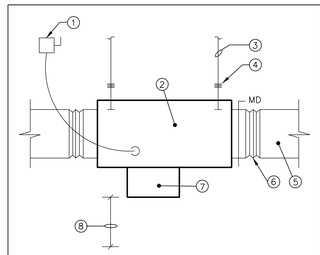
LOUVER SCHEDULE

TAG	MANUFACTURER	MODEL	TYPE	METAL	LOUVER DEPTH x W x HT	FREE AREA S.F.	SERVICE	REMARKS
L-1	VENT PRODUCTS	2600	STAT.	EXT. ALUM.	2" x 36" x 8"	0.61	TRANSFER AIR	② ④ BUCK FRAME
L-2	VENT PRODUCTS	2600-31-34	STAT.	EXT. ALUM.	2" x 36" x 8"	0.61	TRANSFER AIR	② ③ ④ FLANGED FRAME W/SUB-FRAME
L-3	VENT PRODUCTS	2600	STAT.	EXT. ALUM.	2" x 36" x 12"	1.02	EXHAUST AIR	① ④ BUCK FRAME
L-4	VENT PRODUCTS	2600	STAT.	EXT. ALUM.	2" x 36" x 12"	1.02	FRESH AIR	① ④ BUCK FRAME

① BIRD SCREEN – ALUM.
② 18x16 MESH ALUM INSECT SCREEN.
③ ALUM SUB-FRAME (BUCK FRAME).
④ POWDER COAT BAKED ENAMEL FINISH-BLACK; FINAL COLOR SELECTION BY ARCHITECT.

HVAC SYMBOL SCHEDULE

SYMBOL	DESCRIPTION
	SQUARE/RECTANGULAR SUPPLY DIFFUSER, GRILLE OR REGISTER-HORIZONTAL MOUNT
	SQUARE/RECTANGULAR RETURN/EXHAUST REGISTER OR GRILLE-HORIZONTAL MOUNT
	SUPPLY REGISTER OR GRILLE VERT. MOUNT
	RETURN/EXHAUST REGISTER OR GRILLE VERT. MOUNT
	VERTICAL SUPPLY DUCT DOWN
	VERTICAL RETURN/EXHAUST DUCT DOWN
	VOLUME DAMPER
MD	MOTORIZED DAMPER
	FLEXIBLE CONNECTION
A 100	DIFFUSER/REGISTER/GRILLE TYPE CFM
100	EXHAUST CFM
	EQUIPMENT SYMBOL NO.
T C	COOLING THERMOSTAT (24V)
	EQUIPMENT SYMBOLS
EF	EXHAUST FAN
EH	ELECTRIC HEATER
EWH	ELECTRIC WATER HEATER
L	LOUVER
	ABBREVIATIONS
AFF	ABOVE FINISHED FLOOR
EA	EXHAUST AIR
FA	FRESH AIR
MD	MOTORIZED DAMPER

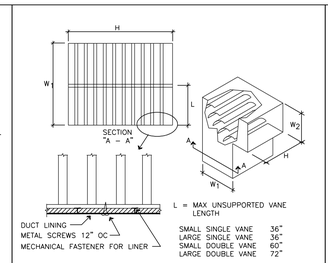


INSTALLATION NOTES:

1. ELECT. DISCONNECT BY E.C.
2. INLINE FAN
3. SUPPORT RODS
4. SPRING VIBRATION ISOLATOR HANGER SUPPORTS
5. EXHAUST DUCTWORK
6. FLEXIBLE DUCT CONNECTION
7. MOTOR DRIVE & GUARD
8. PROVIDE SERVICE ACCESS
9. MOTORIZED BACKDRAFT DAMPER

1 INLINE EXHAUST FAN DETAIL

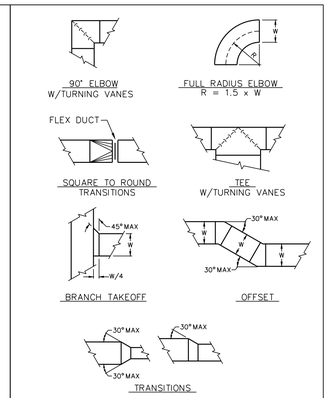
AD-99



NOTES:
1 INSTALL VANES IN SECTIONS OR USE TIE RODS TO LIMIT UNBRACED VANE LENGTH
2 SECURELY FASTEN VANES TO RUNNERS TO ELIMINATE VIBRATION
3 PREVENT LINING DAMAGE WHEN INSTALLING VANES IN LINED OR FIBROUS GLASS DUCT

2 TURNING VANES IN ELBOW

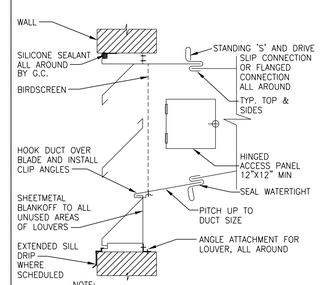
N.T.S.



3 STANDARD DUCT FITTINGS

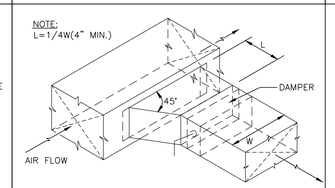
N.T.S.

AD-0



NOTE:
1 ALL DUCT JOINTS, CORNERS, AND SEAMS SHALL BE SEALED WITH SILICONE SEALANT OR SOLDERED LEAK TIGHT.
2 LOUVER PROVIDED BY H.C.; INSTALLED AND CAULKED BY G.C.

4 LOUVER DETAIL



5 BRANCH DUCT TAKEOFF DETAIL-RECTANGLE

DL-1

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ISSUANCES:
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PROJECT #: 19030.00
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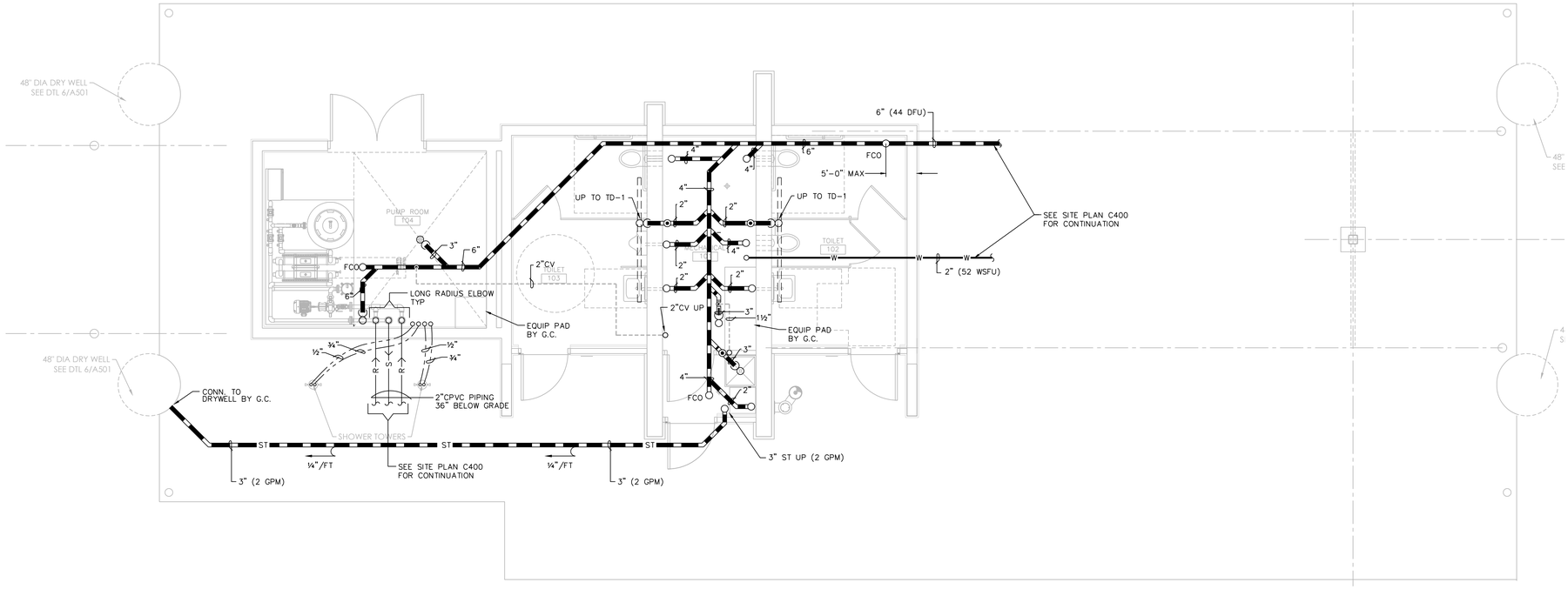
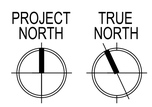
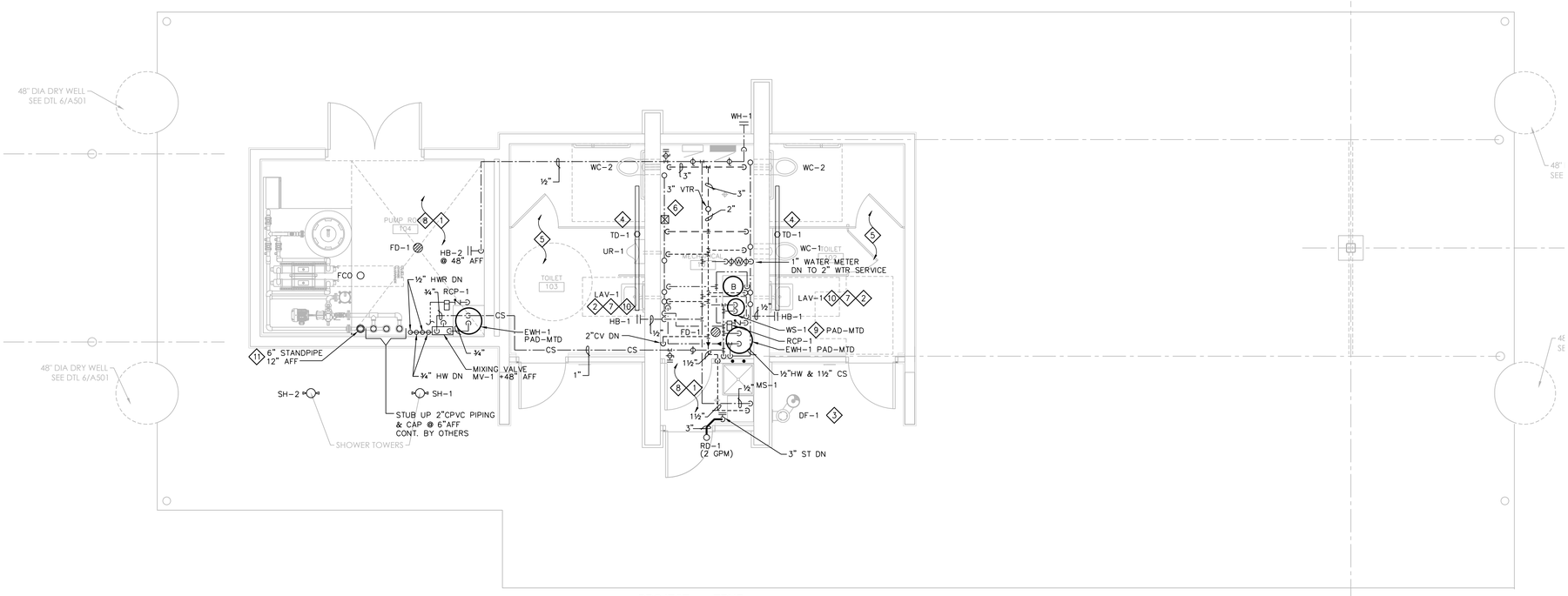
H101



UNDERGROUND - PLUMBING PLAN

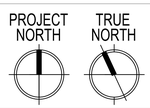
SCALE: 1/4" = 1'-0"





PLUMBING PLAN

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



PLUMBING GENERAL NOTES:

1. PLUMBING CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING CONDITIONS.
2. COORDINATE PHASING OF WORK WITH GENERAL CONTRACTOR.
3. ALL PLUMBING PIPING SHALL BE CONCEALED EXCEPT IN MECHANICAL ROOM 101 & PUMP ROOM 104.

PLUMBING PLAN NOTES:

1. COORDINATE ROUTING OF PIPING IN MECH ROOM WITH OTHER TRADES FOR PROPER SERVICE CLEARANCES.
2. COORDINATE INSTALLATION OF LAV WALL CARRIER SUPPORTS WITH GENERAL CONTRACTOR & MASONRY TRADE.
3. COORDINATE INSTALLATION OF DF WALL CARRIER SUPPORTS WITH GENERAL CONTRACTOR & MASONRY TRADE. PROVIDE FIELD SUPPLIED BACK PLATE (PRIME PAINTED) DRILLED FOR THRU WALL STAINLESS STEEL BOLTS.
4. COORDINATE FINAL LOCATIONS OF TRENCH DRAINS WITH FLOOR SLOPE BY GENERAL CONTRACTOR.
5. COORDINATE PLACEMENT OF RECESSED/FLUSH SENSOR BOX (4x4) AT EACH FIXTURE WITH GENERAL CONTRACTOR & MASONRY TRADE.
6. COORDINATE SENSOR TRANSFORMER PLACEMENT WITH ELECTRICAL TRADE FOR LINE VOLTAGE POWER. LOW-VOLTAGE POWER BY PLUMBING TRADE IN CONDUIT (EXPOSED) PER DIVISION 16.
7. MOUNT CONTROL MODULE & TRANSFORMER IN MECHANICAL 101. CABLE CONTROLS THROUGH WALL GROMMET. PROVIDE ADDITIONAL CABLE LENGTHS AS REQUIRED. COORDINATE WORK WITH E.C.
8. SLOPE ALL WATER PIPING TO LOW POINTS WITH DRAIN VALVE FOR WINTERIZING.
9. EXTEND BACKWASH LINE TO MOP SINK WITH AIR GAP.
10. RECIRCULATE HW WITHIN 2 FT OF LAVATORY ROUGH-IN.
11. COORDINATED 6" STANDPIPE FINAL LOCATION WITH OWNER & DANE COUNTY.

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PROJECT #: 19030.00

SHEET NUMBER

P101

WATER PIPING SIZING CHART (COPPER TYPE 'L' & PEX)													
	COLD WATER @ 45 PSI/100'							HOT WATER @ 45 PSI/100'					
PIPE SIZE	½"	¾"	1"	1¼"	1½"	2"		½"	¾"	1"	1¼"	1½"	2"
WSFU (FT) COPPER	6.5	16.5	31.0	107	260	469		6.5	16.5	31.0	107	260	469
WSFU (FM) COPPER	–	4.0	6.5	15.0	37	136		–	4.0	6.5	15.0	37	136
WSFU (FT) PEX	4.0	11.0	20.5	34.0	55	135		4.0	11.0	20.5	34.0	55	135
WSFU (FM) PEX	–	–	4.5	7.0	13.5	53		–	–	4.5	7.0	13.5	53

FT = FLUSHTANK
FM = FLUSHOMETER
TABLE 382.40-5 = COPPER 'L'
TABLE 382.40-9 = UPONOR AQUAPEX

PLUMBING FIXTURE SCHEDULE

P#	FIXTURE	WASTE	VENT	CW.	HW.	DESCRIPTION
WC-1	WATER CLOSET	4"	1-1/2"	1"	--	VITREOUS CHINA, WHITE, WALL-MTD. ELONGATED BOWL, REAR SPUD, RIM @ 16" AFF FIXTURE EQUAL TO KOHLER KINGSTON K-4323, SLOAN OPTIMA 152-1.6 ES-S SENSOR OPERATED FLUSH VALVE (1.6 GPF) & BEMIS 1955-SSC OPEN FRONT SEAT. PROVIDE EL-154 (120v) TRANSFORMER & VERTICAL ADJ. WALL CARRIERS EQUAL TO SMITH 0230 SERIES.
WC-2	WATER CLOSET ADA	4"	1-1/2"	1"	--	SAME AS WC EXCEPT RIM MTD @ 17" ADA COMPLIANT.
UR-1	URINAL ADA	2"	1-1/2"	3/4"	--	VITREOUS CHINA, WHITE, WALL HUNG, REAR SPUD, RIM MTD. @ 17" AFF. KOHLER BARDON MODEL K-4991-ER WTH SLOAN 195-1.0 ES-S SENSOR-CONTROLLED FLUSH VALVE (1.0 GPF), S.S. BEEHIVE STRAINER. PROVIDE EL-154 (102V) TRANSFORMER & VERTICAL ADJ. WALL CARRIER EQUAL TO SMITH 0630 SERIES.
LAV-1	LAVATORY ADA	1-1/4"	1-1/2"	1/2"	1/2"	VITREOUS CHINA, WHITE, WALL HUNG EQUAL TO KOHLER KINGSTON LAV K-1729, (2-HOLE 4" O.C.) W/SLOAN ETF-600-P-BDM ELECTRIC FAUCET, MECH MIXING VALVE, ETF-233 (120v) PLUG-IN TRANSFORMER, MOUNT CONTROL MODULE & TRANSFORMER IN MECH 101 W/GROMMET OPENING IN WALL, PROWRAP 2000 INSULATION GUARDS, CONCEALED ARM CARRIER EQUAL TO SMITH 0700 SERIES & KOHLER 8998 P-TRAP WITH CLEANOUT. ADA COMPLIANT.
MS-1	MOP SINK	3"	1-1/2"	1/2"	1/2"	FLOOR-MOUNTED MOLDED STONE EQUAL TO MUSTEE MODEL #63M WITH #63.700 HOSE & HOSE HOLDER, #65.600 MOP HANGER & #67.2424 WALLGUARDS, CHICAGO 897 FAUCET WITH HOSE CONN. VB (WATTS BA-ASSE 1011).
HB-1	HOSE BIBB	--	--	3/4"	--	KEY-OPERATED, AUTOMATIC DRAINING WITH ANTI-SIPHON VB & FLUSH TAMPER-PROOF BOX W/HINGED COVER. EQUAL TO WOODFORD MODEL B67 (ASSE 1052).
HB-2	HOSE BIBB	--	--	1/2"	--	INTERIOR WALL HOSE BIBB,, AUTOMATIC DRAINING WITH ANTI-SIPHON VB. PIPE MOUNTED. EQUAL TO WOODFORD MODEL 24P. (ASSE 1011).
WH-1	WALL HYDRANT	--	--	3/4"	--	KEY-OPERATED, FREEZELESS, AUTOMATIC DRAINING WITH ANTI-SIPHON VB & FLUSH TAMPER-PROOF BOX W/HINGED COVER. EQUAL TO WOODFORD MODEL B67-PB. (ASSE 1052)
DF-1	EXTERIOR DRINKING FOUNTAIN, ADA	1-1/4"	1-1/2"	1/2"	--	EXTERIOR, WALL-MOUNTED, DRINKING FOUNTAIN WITH BOTTLE FILLER STATION, INLINE WTR FILTER & FIELD SUPPLIED SUPPORT BACK PLATE. COLOR FINISH BLACK. ELKAY LK 4408 BF-BLK.
SH-1	EXTERIOR SHOWER TOWER ADA	--	--	--	3/4"	8"Øx72" STAINLESS STEEL SHOWER TOWER WITH TWO (2) SHOWER HEADS, (ONE @ 49" AFF), ONE (1) FOOT SHOWERS. VERTICAL GRAB BARS, BLACK FINISH. SS SURFACE CARRIER. ADA COMPLIANT. EQUAL TO MDF564SMSS.
SH-2	EXTERIOR SHOWER TOWER	--	--	--	3/4"	8"Øx72" STAINLESS STEEL SHOWER TOWER WITH TWO (2) SHOWER HEADS, TWO (2) FOOT SHOWERS. SS SURFACE CARRIER, BLACK FINISH. EQUAL TO MDF 575SMSS.
FD-1	FLOOR DRAIN	3"	1-1/2"	--	--	POLISHED BRONZE ADJ. ROUNDTOP W/PROSET TRAP GUARD EQUAL TO SMITH MODEL 2005Y-A-PB (NO HUB), 2010C-A-PB (CAULKED OUTLET).
TD-1	TRENCH DRAIN	2"	1-1/2"	--	--	HDPE 2-1/2" WIDE x 96" LONG LINEAR TRENCH DRAIN WITH BOTTOM OUTLET & STAINLESS STEEL BAR GRATE, ZURN Z880-U1.5-E1-SWG
EWH-1	ELECTRIC WATER HEATER	--	--	3/4"	3/4"	FLOOR MOUNTED ELECTRIC WATER HEATER 30 GALLON CAPACITY, 23 GPH @ 80° F RISE, EQUAL AO SMITH DEN-30, 4500 WATT, 240V SINGLE PHASE, 18.8 FLA, T&P RELIEF VALVE.
WS-1	WATER SOFTENER	OPEN SITE DRAIN	--	1-1/2"	--	HELLENBRAND MODEL H151-90-BD OR APPROVED EQUAL. CAPACITY = 96,000 GRAIN, 3.0 CF RESIN, 35 GPM @ 15 PSIG MAX WPD. SOFTENER SIZE: 14"Ø x65"H. BRINE TANK: 18"Ø x 40" H (300 LB. SALT CAP.), 1½" VALVE/MANIFOLD, METERED DEMAND-CONTROLLED REGENERATION. PROVIDE BOTTOM DRAIN FOR WINTERIZING.
MV-1	MIXING VALVE	--	--	3/4"	3/4"	HIGH-LOW THERMOSTATIC MIXING VALVE TEMPERING WATER EXT. SHOWERS. POWERS LFSH1432-1-1, 0.5 GPM MIN., CV=8.54, ¾"Ø INLETS x 1"Ø OUTLET WITH CHECK STOPS & OUTLET THERMOMETER. ASSE 1017.
RCP-1	HW RECIRCULATION PUMP W/TIMECLOCK	–	–	–	3/4"	GRUNDFOS UP10-16 BN5/TLC 1.0 GPM @ 4FT W/TIMER & LINER CORD. 115v. 1-PHASE, 1/25 HP, 0.22 AMPS.
RD-1	ROOF DRAIN	3"	–	–	–	8-3/8"Ø LOW-SILHOUETTE CAST IRON BODY WITH ADJ. SLEEVE, FLASHING CLAMP, GRAVEL STOP, CAST IRON DOME, UNDERDECK CLAMP & SUMP RECEIVER. EQUAL TO ZURN Z125-DP.

PLUMBING SYMBOL SCHEDULE

SYMBOL	DESCRIPTION
	WASTE BELOW GROUND
ST	STORM BELOW GROUND
	WASTE ABOVE GROUND
ST	STORM ABOVE GROUND
W	WATER SERVICE
	COLD WATER
	HOT WATER
	HOT WATER RETURN
	VENT
	UNDERGROUND VENT
	PIPE UP
	PIPE DOWN
CO	CLEAN OUT
	BALL VALVE
BFP	BACKFLOW PREVENTER VALVE RP – REDUCED PRESSURE PRINCIPLE DC – DOUBLE CHECK VALVE
BFP	BACKFLOW PREVENTER
FCO	FLOOR CLEAN OUT
WCO	WALL CLEAN OUT
HB	HOSE BIBB
CV	CIRCUIT VENT
WH	WALL HYDRANT
VTR	VENT THROUGH ROOF
FD	FLOOR DRAIN
HD	HUB DRAIN
TD	TRENCH DRAIN
UG	UNDERGROUND

WATER SERVICE SIZING (POTABLE):

1) 52 DEMAND OF BUILDING IN G.P.M.
2) 85 PSI LOW PRESSURE AT MAIN IN STREET
3) 6 FT DIFFERENCE IN ELEVATION, MAIN TO METER.
4) 1 IN SIZE OF WATER METER (DISC).
5) 350 FT DEVELOPED LENGTH FROM MAIN TO METER.

AVAILABLE PRESSURE AFTER THE WATER METER:

1) 8.3 PSI PRESSURE LOSS DUE TO FRICTION LOSS IN 2" WATER SERVICE.
2) 2.6 PSI PRESSURE LOSS DUE TO ELEVATION, MAIN TO METER,
3) 13 PSI PRESSURE LOSS DUE TO METER.
4) 61.1 PSI AVAILABLE PRESSURE AFTER THE WATER METER.

HOT WATER DISTRIBUTION SIZING:

PERMISSABLE UNIFORM PRESSURE LOSS FOR FRICTION (A); (P.S.I./100' OF PIPE)

WHERE: $A = \frac{B - (C + D + E)}{F} \times 100$

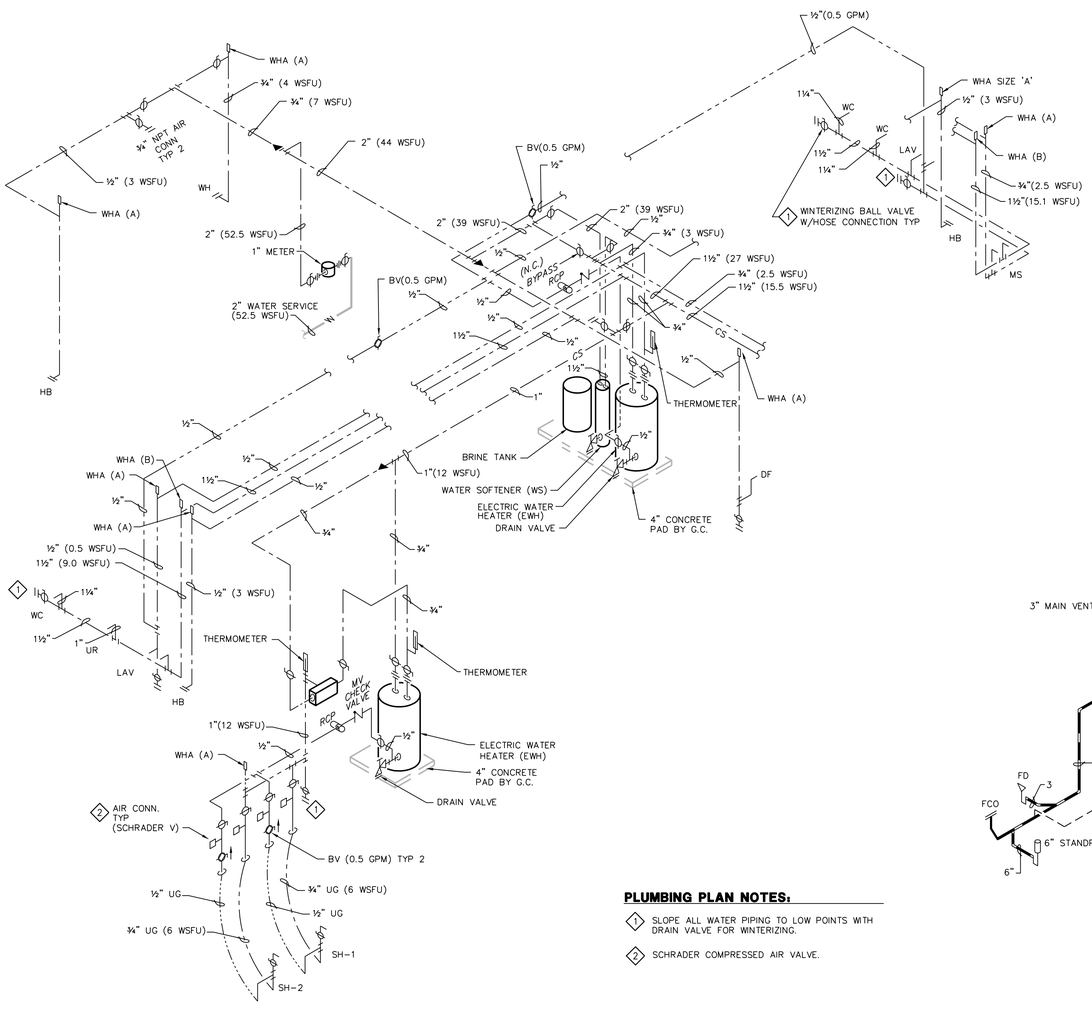
A. 45 PERMISSIBLE PRESSURE LOSS FOR FRICTION. (PSI/100' OF PIPE).
B. 61.1 PSI AVAILABLE PRESSURE AFTER WATER METER
C. 20 PSI PRESSURE NEEDED AT CONTROLLING FIXTURE.
D. 0.9 PSI DIFFERENCE IN ELEVATION BETWEEN WATER METER AND CONTROLLING FIXTURE IN FEET 2 FT x .434 PSI/FT.
E. 20 PSI PRESSURE LOSS DUE TO WATER HEATER, WATER TREATMENT DEVICES AND BACKFLOW PREVENTERS.
F. 45 FT DEVELOPED LENGTH FROM WATER METER TO CONTROLLING FIXTURE IN FEET 30 x 1.5.

COLD WATER DISTRIBUTION SIZING:

PERMISSABLE UNIFORM PRESSURE LOSS FOR FRICTION (A); (P.S.I./100' OF PIPE)

WHERE: $A = \frac{B - (C + D + E)}{F} \times 100$

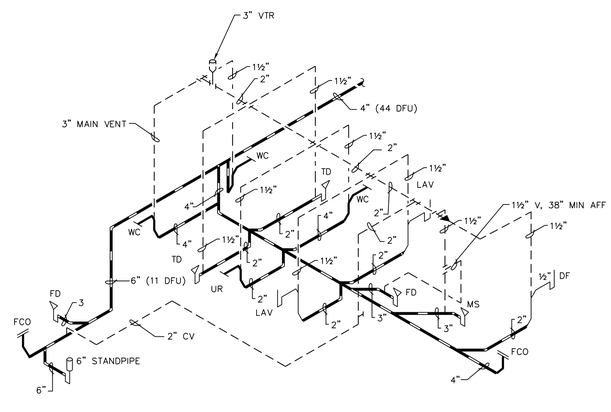
A. 45 PERMISSIBLE PRESSURE LOSS FOR FRICTION. (PSI/100' OF PIPE).
B. 61.1 PSI AVAILABLE PRESSURE AFTER WATER METER
C. 20 PSI PRESSURE NEEDED AT CONTROLLING FIXTURE.
D. 0.9 PSI DIFFERENCE IN ELEVATION BETWEEN WATER METER AND CONTROLLING FIXTURE IN FEET 2 FT x .434 PSI/FT.
E. 20 PSI PRESSURE LOSS DUE TO WATER HEATER, WATER TREATMENT DEVICES AND BACKFLOW PREVENTERS.
F. 45 FT DEVELOPED LENGTH FROM WATER METER TO CONTROLLING FIXTURE IN FEET 30 x 1.5.



2 WATER PIPING RISER
N.T.S.

PLUMBING PLAN NOTES:

1. SLOPE ALL WATER PIPING TO LOW POINTS WITH DRAIN VALVE FOR WINTERIZING.
2. SCHRADER COMPRESSED AIR VALVE.



3 WASTE & VENT RISER
N.T.S.

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WARNER PARK BEACH SHELTER
1101 WOODWARD DR
MADISON, WI 53704
CONTRACT #XXX / MUNIS #XXX

ISSUANCES:
5.7.20 PERMIT CD'S

Construction Documents:

This drawing shall be used for fabrication, erection and/or installation, check all project addenda and construction bulletins for modifications.

PROJECT #: 19030.00
SHEET NUMBER
P102