



US Army Corps of Engineers
St Paul District

**APPLICANT: City of Prior Lake
(Larry Poppler)**

Public Notice

ISSUED: July 12, 2013

EXPIRES: July 27, 2013

ATTENTION: 15-Day Notice

SECTION: 404 - Clean Water Act

REFER TO: 2013-00248-MTS

1. APPLICATION FOR PERMIT TO DISCHARGE DREDGED AND FILL MATERIAL IN WETLANDS ADJACENT TO SPRING LAKE, FOR A PROPOSED WETLAND RESTORATION PROJECT NEAR THE INTERSECTION OF COUNTY STATE AID HIGHWAY (CSAH) 12 AND SUNSET AVENUE IN THE CITY OF PRIOR LAKE.

2. SPECIFIC INFORMATION.

APPLICANT'S ADDRESS: City of Prior Lake
Attn: Mr. Larry Poppler
4646 Dakota Street Southeast
Prior Lake, Minnesota 55372
952-447-9832

PROJECT LOCATION: The project area (approx. 5 acres) is bound by CSAH 12 to the north, Sunset Boulevard to the east, and CSAH 17 to the west, located in Section 8, Township 114 N., Range 22 W., Scott County, MN. The approximate UTM coordinates for this site are Northing 4950060.673, Easting 461223.084. Approximate Decimal Degree coordinates for this site are Latitude 44.702867, Longitude -93.489223.

DESCRIPTION OF PROJECT: The City of Prior Lake in conjunction with the Prior Lake-Spring Lake Watershed District and Scott County propose to restore and modify an existing wetland basin for the purpose of improving wetland functions and water quality, while reducing nutrient loading into Spring Lake and downstream waters.

A wetland determination/delineation was completed by Bolton & Menk, Inc. in April, 2012. One wetland was identified within the project area. The wetland is approximately 4.8 acres, described as a partially drained, seasonally flooded wetland. An excavated ditch or swale runs through the middle of the wetland, receiving runoff from the agricultural area west of CSAH 17 and the surrounding drainage area.

As proposed, dredged and fill material would be discharged over 4.5 acres of wetland, due to site preparation, grading, berm construction, and restoration activities.

The proposed work includes scraping and removing the upper 12-18 inches of topsoil, construction of earthen berms, approximately two-feet tall (four-feet tall at outlet structure), to guide surface flows and retain small, shallow pools (between zero and five feet deep), providing additional water storage and variable bottom elevations. An Agri-Drain outlet control structure would be installed at each pool (three total), in conjunction with an anti-seep collar to prevent uncontrolled water loss. The applicant proposes to install two Iron Enhanced Sand Filter trenches between the middle and lower pool that

Operations - Regulatory (2013-00248-MTS)
SUBJECT: Notice of Application for Permit

function to remove Phosphorus before discharging into Spring Lake. The restoration would also include the establishment of native vegetation (emergent wetland seed mix with shrub and tree plantings). Additionally, approximately 1.27 acres of seasonally flooded wetland would be created immediately adjacent to the existing wetland (see enclosure).

The work would provide hydrologic and vegetative restoration and provide treatment to runoff from a 50-acre drainage area immediately adjacent to Spring Lake.

QUANTITY, TYPE, AND AREA OF FILL: As proposed, construction of the shallow berms would discharge fill material into 0.91 acres of wetland. Additionally, minor fill would be discharged into wetlands for the construction the outlet structure.

VEGETATION IN AFFECTED AREA: The wetland in the project area is primarily dominated by invasive species, including reed canary grass (*Phalaris arundinacea*) and narrow leaf cattail (*Typha angustifolia*).

SOURCE OF FILL MATERIAL: Fill material would be obtained on-site from the areas excavated. Any excess material would be hauled off-site and deposited in an upland location.

SURROUNDING LAND USE: Land use in the vicinity of the project area is primarily residential (to the north), and agricultural (to the west).

DESCRIPTION OF STRUCTURES: The proposed outlet control structures are rectangular PVC structures with removable stop logs that can be added or removed in different combinations to adjust the water level.

DESCRIPTION OF DREDGING OR EXCAVATION: Proposed dredging, excavation and grading within wetlands would be approximately 4.52 acres to create a series of shallow, small pools, and variable bottom elevations.

THE FOLLOWING POTENTIALLY TOXIC MATERIALS COULD BE USED AT THE PROJECT SITE: No potentially toxic materials would be required for developing the site or anticipated to be found at the site.

THE FOLLOWING PRECAUTIONS TO PROTECT WATER QUALITY HAVE BEEN DESCRIBED BY THE APPLICANT: The objective of the project is to improve water quality by reducing the nutrient load for Spring Lake and downstream waters. During and after construction, silt fences, vegetative plantings would be used to minimize erosion and sedimentation.

MITIGATION: As proposed, wetland impacts are approximately 4.5 acres; however, only 0.91 acre is considered permanent impact (resulting from the placement of fill to construct the shallow berms and access for maintenance). The applicant has indicated that there would be a 0.33 acre net increase of wetland when comparing pre- and post-project conditions. Because there would be a net increase in wetland area in conjunction with anticipated water quality and vegetative improvements, the applicant has not proposed compensatory wetland mitigation for this proposal.

Operations - Regulatory (2013-00248-MTS)
SUBJECT: Notice of Application for Permit

3. REPLIES/COMMENTS.

Interested parties are invited to submit to this office written facts, arguments, or objections within 30 days of the date of this notice. These statements should bear upon the suitability of the location and the adequacy of the project and should, if appropriate, suggest any changes believed to be desirable. Comments received may be forwarded to the applicant.

Replies may be addressed to Regulatory Branch, St. Paul District, Corps of Engineers, 180 Fifth Street East, Suite 700, Saint Paul, MN 55101-1678.

Or, IF YOU HAVE QUESTIONS ABOUT THE PROJECT, call Michael Setering at the Saint Paul District office of the Corps, telephone number (651) 290 - 5396.

To receive Public Notices by e-mail, go to the St. Paul District web page at <http://www.mvp.usace.army.mil/Missions/Regulatory> and sign up by clicking on the left side of the web site under Notices.

Email Notification of Public Notices

4. FEDERALLY-LISTED THREATENED OR ENDANGERED WILDLIFE OR PLANTS OR THEIR CRITICAL HABITAT.

None were identified by the applicant or are known to exist in the permit area.

This application is being coordinated with the U.S. Fish and Wildlife Service. Any comments it may have concerning Federally-listed threatened or endangered species or their critical habitat will be considered in our final assessment of the described work.

5. JURISDICTION.

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 08-02. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act and/or Section(s) 9 & 10 of the Rivers and Harbors Act. The Corps will prepare an approved or preliminary jurisdictional determination prior to making a permit decision. Approved jurisdictional determinations are posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/Missions/Regulatory>.

6. STATE SECTION 401 WATER QUALITY CERTIFICATION.

Valid Section 404 permits cannot be issued for any activity unless state water quality certification for the activity is granted or waived pursuant to Section 401 of the Clean Water Act. The state Section 401 authority in Minnesota is the Minnesota Pollution Control Agency (MPCA). The St. Paul District has provided this public notice and a copy of the applicant's Section 404 permit application form to the

Operations - Regulatory (2013-00248-MTS)
SUBJECT: Notice of Application for Permit

MPCA. If MPCA needs any additional information in order for the Section 401 application to be considered complete by MPCA, the MPCA has indicated that it will request such information from the applicant. It is the permit applicant's responsibility to ensure that the MPCA has received a valid, complete application for state Section 401 certification and to obtain a final Section 401 action from the MPCA.

The MPCA has indicated that this public notice serves as its public notice of the application for Section 401 water quality certification under Minnesota Rules Part 7001. The MPCA has also indicated that the Section 401 process shall begin to commence upon the issuance date of this public notice unless the MPCA notifies both the St. Paul District and the permit applicant to the contrary, in writing, before the expiration date of this public notice.

Any comments relative to MPCA's Section 401 Certification for the activity proposed in this public notice may be sent to:

Minnesota Pollution Control Agency, Municipal Division,
Attention: 401 Certification, 520 Lafayette Road North,
St. Paul, Minnesota 55155-4194.

7. HISTORICAL/ARCHAEOLOGICAL.

This public notice is being sent to the National Park Service and the State Archaeologist for their comments. The Corps will review information on known cultural resources and/or historic properties within and adjacent to the project area. The Corps will also consider the potential effects of the project on any properties that have yet to be identified. The results of this review and the Corps' determination of effect will be coordinated with the State Historic Preservation Officer independent of this public notice. Any adverse effects on historic properties will be resolved prior to the Corps authorization, or approval, of the work in connection with this project.

The latest version of the National Register of Historic Places has been consulted and no listed properties (known to be eligible for inclusion, or included in the Register) are located in the project area.

8. PUBLIC HEARING REQUESTS.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, in detail, the reasons for holding a public hearing. A request may be denied if substantive reasons for holding a hearing are not provided or if there is otherwise no valid interest to be served.

9. PUBLIC INTEREST REVIEW.

The decision whether to issue a permit will be based on an evaluation of the probable impact, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably

Operations - Regulatory (2013-00248-MTS)
SUBJECT: Notice of Application for Permit

foreseeable detriments. All factors which may be relevant to the proposal will be considered, including the cumulative effects. Among those are conservation, economics, aesthetics, general environmental concerns, wetlands, cultural values, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production and, in general, the needs and welfare of the people. Environmental and other documents will be available for review in the St. Paul District Office.

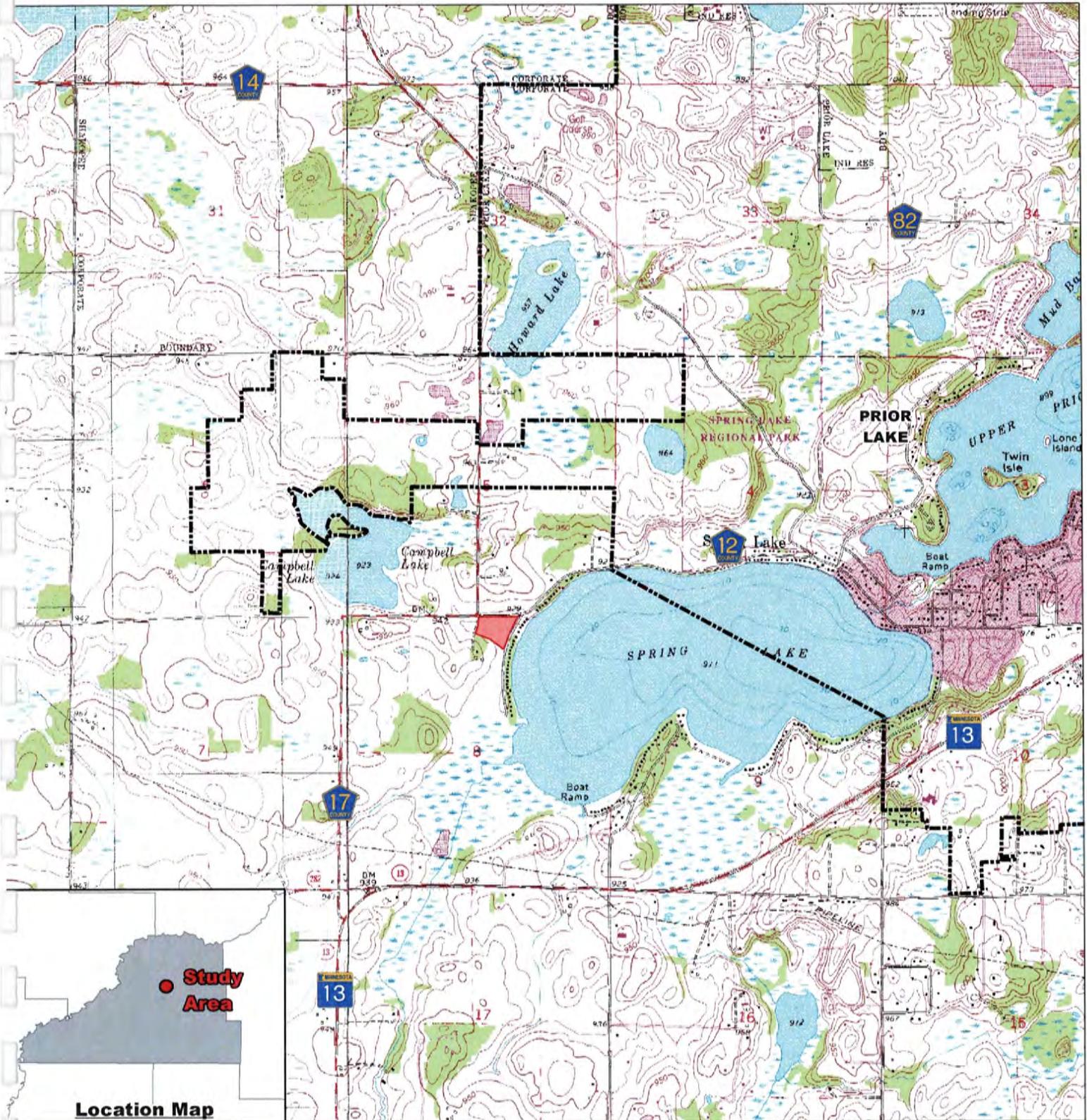
The Corps of Engineers is soliciting comments from the public; Federal, State, and local agencies and officials; Indian tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.



Chad Konickson
Chief, Southwest Section

Enclosures

NOTICE TO EDITORS: This public notice is provided as background information and is not a request or contract for publication.



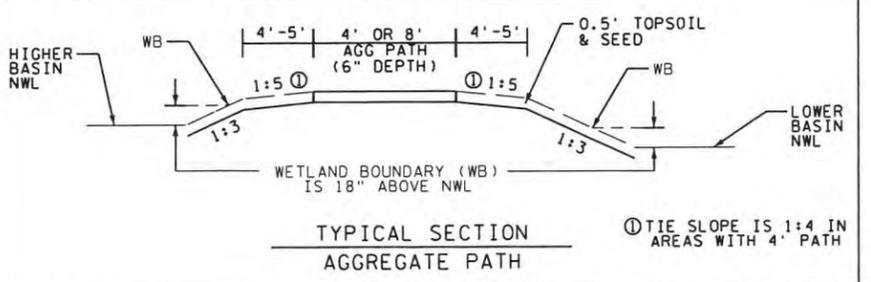
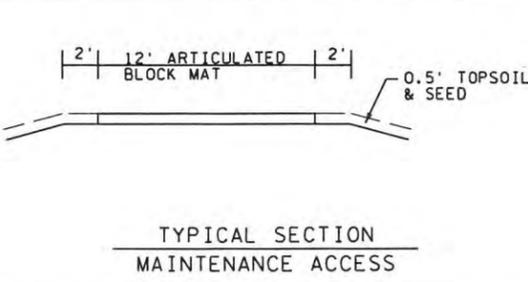
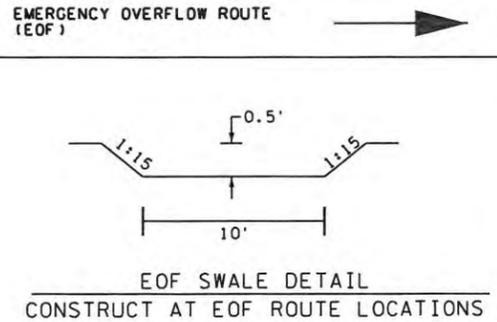
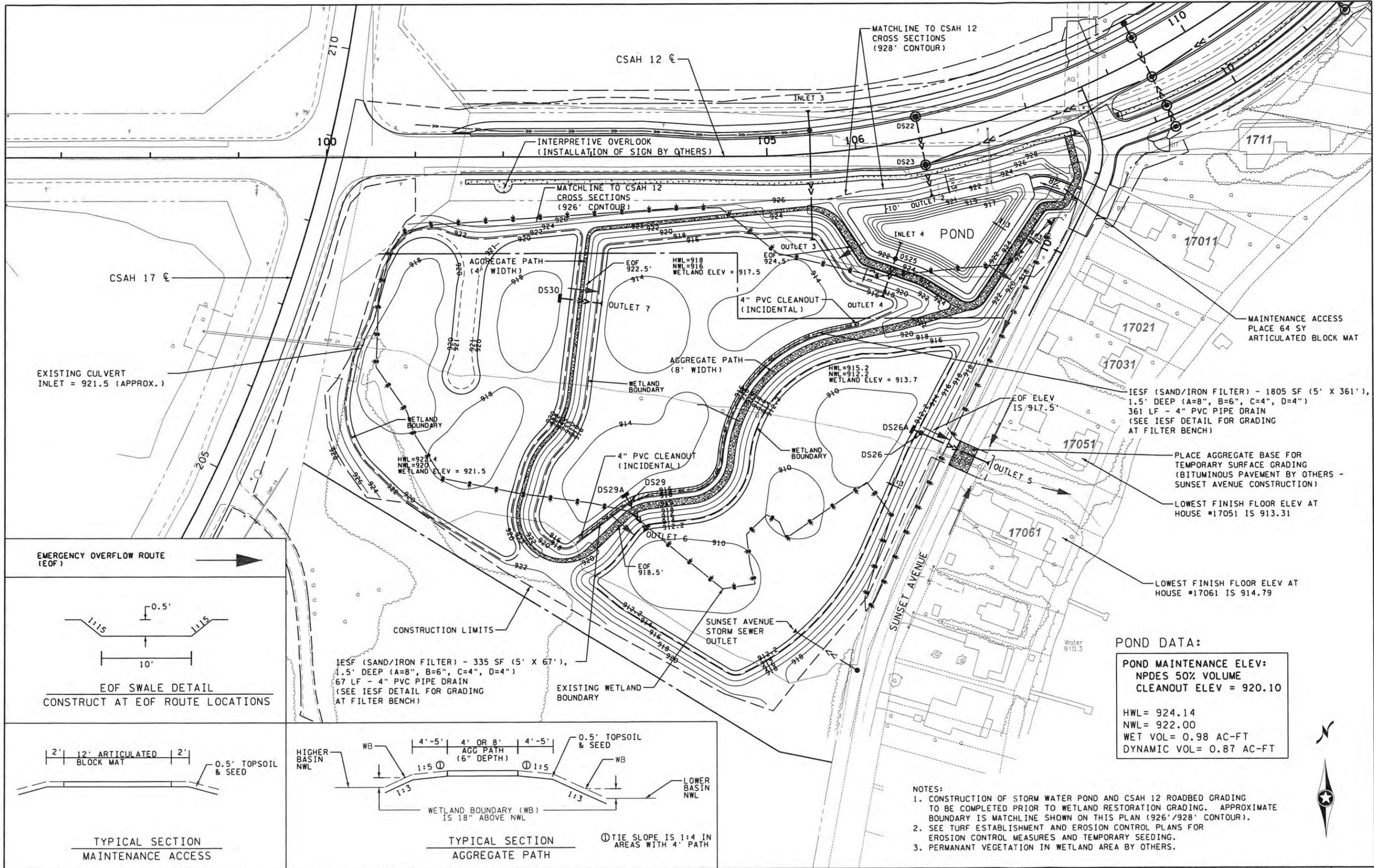
Legend

- Project Location
- City Limits


SUNSET WETLAND RESTORATION
 Project Location Map

Source: USGS, MnDOT, Scott County





IESF (SAND/IRON FILTER) - 335 SF (5' X 67'), 1.5' DEEP (A=8", B=6", C=4", D=4")
67 LF - 4" PVC PIPE DRAIN
(SEE IESF DETAIL FOR GRADING AT FILTER BENCH)

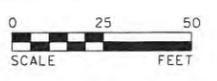
POND DATA:

POND MAINTENANCE ELEV:
NPDES 50% VOLUME
CLEANOUT ELEV = 920.10

HWL = 924.14
NWL = 922.00
WET VOL = 0.98 AC-FT
DYNAMIC VOL = 0.87 AC-FT

- NOTES:**
- CONSTRUCTION OF STORM WATER POND AND CSAH 12 ROADBED GRADING TO BE COMPLETED PRIOR TO WETLAND RESTORATION GRADING. APPROXIMATE BOUNDARY IS MATCHLINE SHOWN ON THIS PLAN (926'/928' CONTOUR).
 - SEE TURF ESTABLISHMENT AND EROSION CONTROL PLANS FOR EROSION CONTROL MEASURES AND TEMPORARY SEEDING.
 - PERMANENT VEGETATION IN WETLAND AREA BY OTHERS.

H:\SCCO\11121183\7061211\plans\ponds\7061211_pond1.dgn
 2/20/2013 1:35:41 PM
 denaki
 pdf-B and W.pitc:fg
 bmi.tdi



I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

NAME: CHRISTOPHER S. CHROMY, LIC. NO. 26512, DATE: 1/4/2013

DESIGNED: LLL/DMK
DRAWN: DMK
CHECKED: CSC

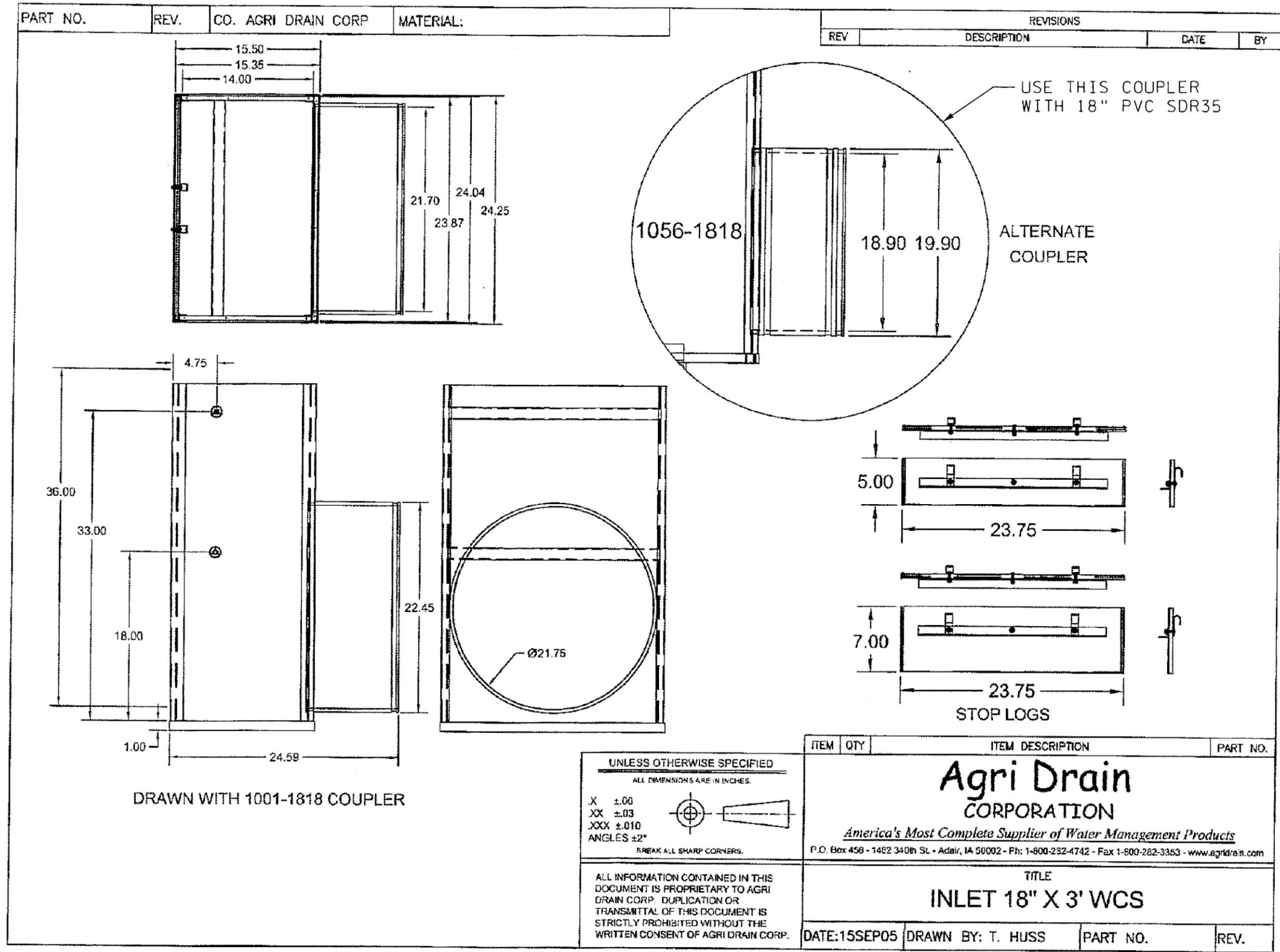
BOLTON & MENK, INC.
CONSULTING ENGINEERS & SURVEYORS
MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN WILLMAR, MN
BURNSVILLE, MN CHASKA, MN AMES, IA



MVP-2013-00248-MTS, Page 3 of 9

S.A.P. 070-612-011/C.P. 12-03/S.A.P. 201-020-005

SHEET 54 OF 104



UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES.

X ±.06
XX ±.03
XXX ±.010
ANGLES ±2°

BREAK ALL SHARP CORNERS.

ALL INFORMATION CONTAINED IN THIS DOCUMENT IS PROPRIETARY TO AGRI DRAIN CORP. DUPLICATION OR TRANSMITTAL OF THIS DOCUMENT IS STRICTLY PROHIBITED WITHOUT THE WRITTEN CONSENT OF AGRI DRAIN CORP.

ITEM	QTY	ITEM DESCRIPTION	PART NO.
<p>Agri Drain CORPORATION</p> <p><i>America's Most Complete Supplier of Water Management Products</i></p> <p>P.O. Box 458 - 1462 340th St - Adair, IA 50002 - Ph: 1-800-282-4742 - Fax 1-800-282-3353 - www.agridrain.com</p>			
<p>TITLE</p> <p>INLET 18" X 3' WCS</p>			
DATE: 15SEP05		DRAWN BY: T. HUSS	
PART NO.		REV.	

denaki
 2/19/2013 12:15:54 PM
 ht:\sccco\1121183\7061211\plans\ponds\7061211_pond_de1.dgn
 bmi,tbl
 pdf-B and W.bitcfig

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Christopher S. Schromy

NAME: CHRISTOPHER S. SCHROMY LIC. NO. 26512 DATE: 1/4/2013

DESIGNED: CKR
DRAWN: TWB
CHECKED: CSC

BOLTON & MENK, INC.
CONSULTING ENGINEERS & SURVEYORS
MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN WILLMAR, MN
BURNSVILLE, MN CHASKA, MN AMES, IA

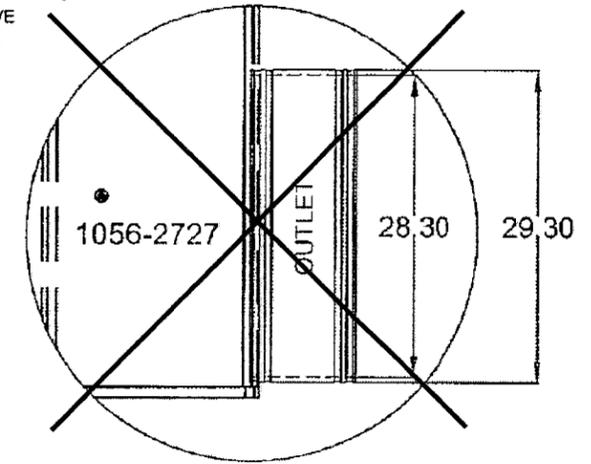
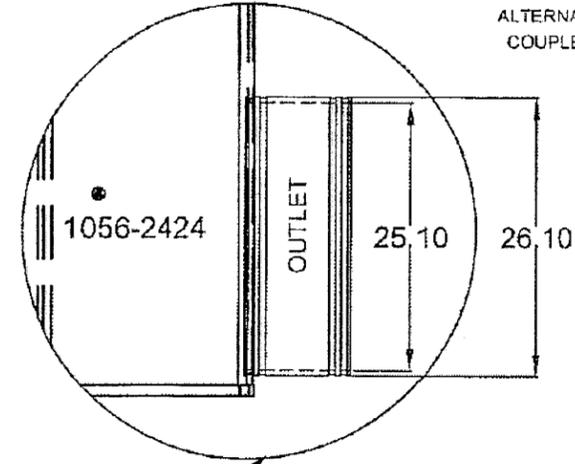
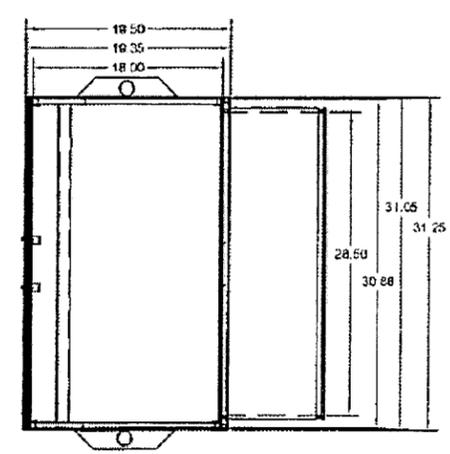


MVP-2013-00248-MTS, Page 4 of 9

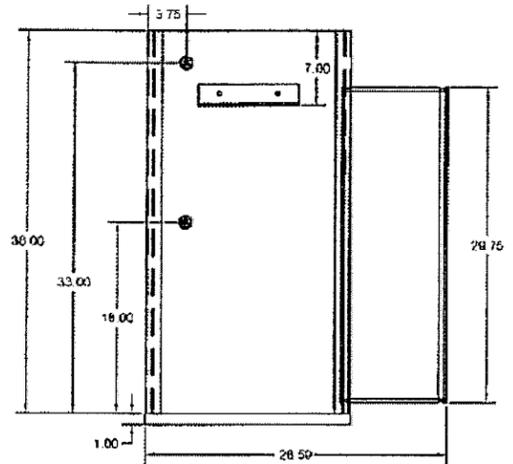
S.A.P. 070-612-011/C.P. 12-03/S.A.P. 201-020-005

SHEET 55 OF 104

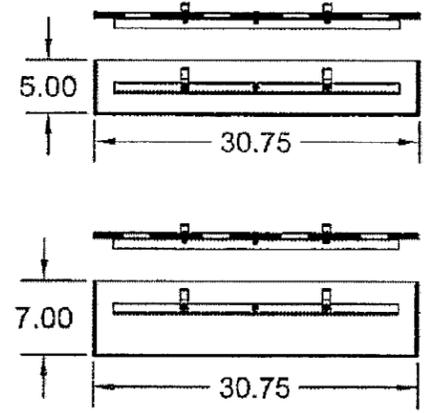
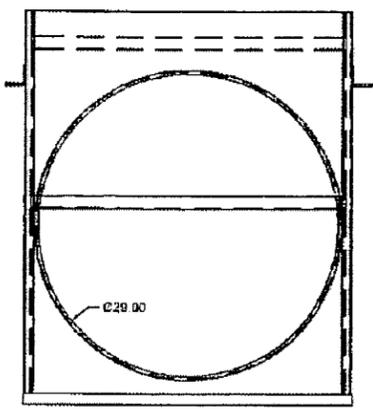
PART NO.	REV.	CO. AGRI DRAIN CORP	MATERIAL:	REVISIONS			
				REV	DESCRIPTION	DATE	BY



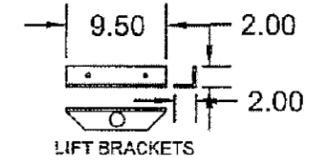
USE THIS COUPLER WITH 24" PVC SDR35



DRAWN WITH 1001-2424 COUPLER



STOP LOGS



LIFT BRACKETS

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES.

X ±.06
XX ±.03
XXX ±.010
ANGLES ±2°

BREAK ALL SHARP CORNERS

ALL INFORMATION CONTAINED IN THIS DOCUMENT IS PROPRIETARY TO AGRI DRAIN CORP. DUPLICATION OR TRANSMITTAL OF THIS DOCUMENT IS STRICTLY PROHIBITED WITHOUT THE WRITTEN CONSENT OF AGRI DRAIN CORP.

ITEM	QTY	ITEM DESCRIPTION	PART NO.
Agri Drain CORPORATION <i>America's Most Complete Supplier of Water Management Products</i> P.O. Box 488 - 1462 34th St. - Adair, IA 50002 - Ph: 1-800-232-4742 - Fax 1-800-282-3353 - www.agridrain.com			
TITLE INLET 24" X 3' WCS			
DATE: 11SEP02	DRAWN BY: T. HUSS	PART NO.	REV.

denki
 pdf-B and W.pltfcg
 12:15:55 PM
 h:\scgco\1121183\7061211\plans\ponds\7061211.pond_def2.dgn
 bmi.tbi
 2/19/2013

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Christopher S. Caromy
 NAME: CHRISTOPHER S. CAROMY LIC. NO. 26512 DATE: 1/4/2013

DESIGNED: CKR
 DRAWN: TWB
 CHECKED: CSC

BOLTON & MENK, INC.
 CONSULTING ENGINEERS & SURVEYORS
 MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN WILLMAR, MN
 BURNSVILLE, MN CHASKA, MN AMES, IA

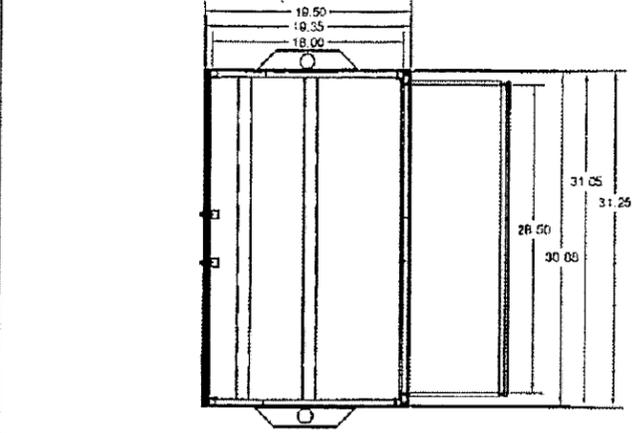


MVP-2013-00248-MTS, Page 5 of 9

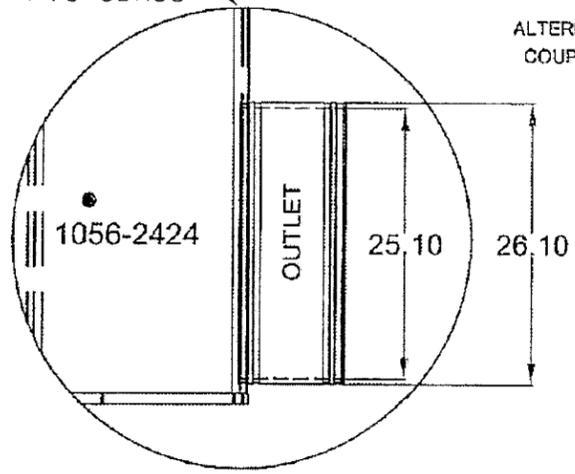
S.A.P. 070-612-011/C.P. 12-03/S.A.P. 201-020-005

SHEET 55A OF 104

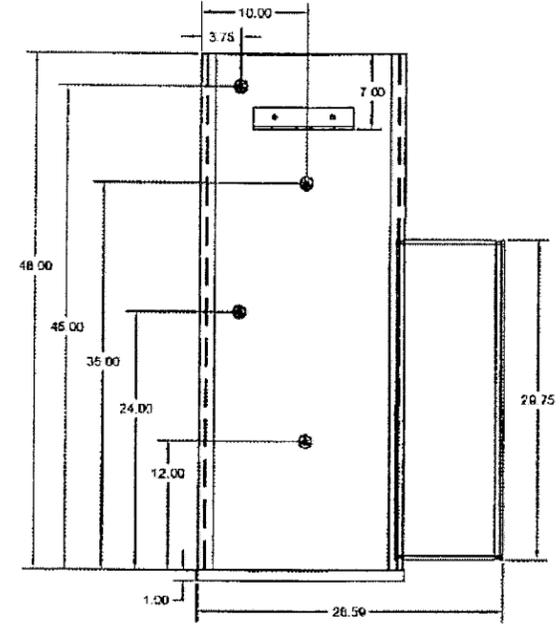
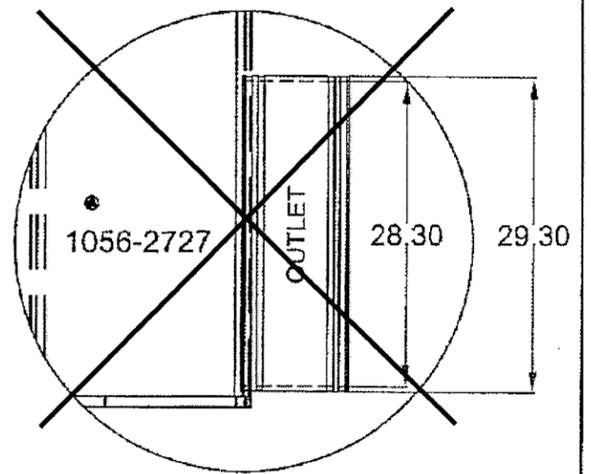
PART NO.	REV.	CO. AGRI DRAIN CORP	MATERIAL:	REVISIONS		
				REV	DESCRIPTION	DATE
						BY



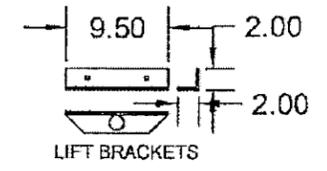
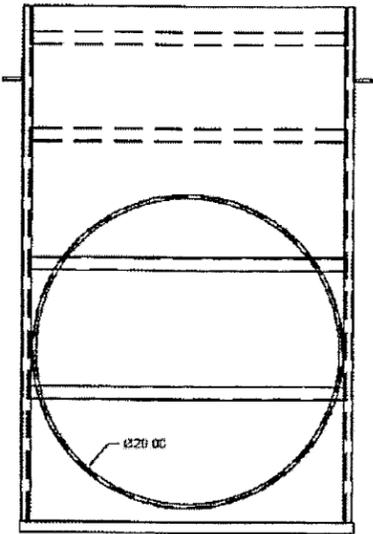
USE THIS COUPLER WITH 24" PVC SDR35



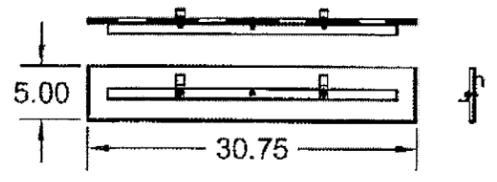
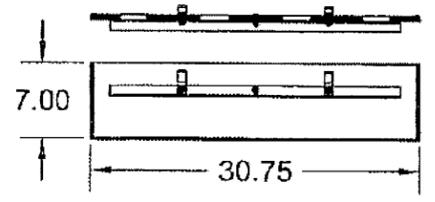
ALTERNATIVE COUPLERS



DRAWN WITH 1001-2424 COUPLER



LIFT BRACKETS



STOP LOGS

UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES

X ±.05
.XX ±.03
.XXX ±.010
ANGLES ±2°

BREAK AT 1 SHARP CORNERS.

ALL INFORMATION CONTAINED IN THIS DOCUMENT IS PROPRIETARY TO AGRI DRAIN CORP. DUPLICATION OR TRANSMITTAL OF THIS DOCUMENT IS STRICTLY PROHIBITED WITHOUT THE WRITTEN CONSENT OF AGRI DRAIN CORP.

ITEM	QTY	ITEM DESCRIPTION	PART NO.
Agri Drain CORPORATION <i>America's Most Complete Supplier of Water Management Products</i> P.O. Box 458 - 1482 340th St. - Adair, IA 50002 - Ph: 1-800-232-4742 - Fax 1-800-282-3353 - www.agridrain.com			
TITLE INLET 24" X 4' WCS			
DATE: 26APR10	DRAWN BY: J. MOORE	PART NO.	REV.

h:\sccc\1121183\7061211\plans\ponds\7061211_pond_dct3.dgn

12:45:57 PM

bmi.tbl

pdf-B and W.plt.ctb

denoki

2/19/2013

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Christopher S. Chromy
 NAME: CHRISTOPHER S. CHROMY LIC. NO. 26512 DATE 1/4/2013

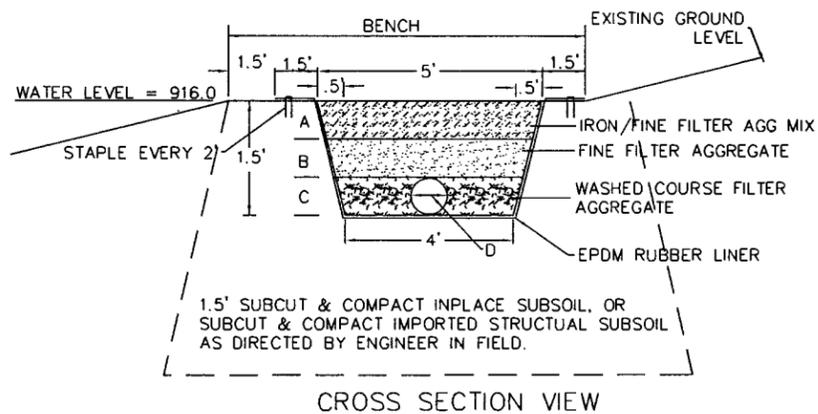
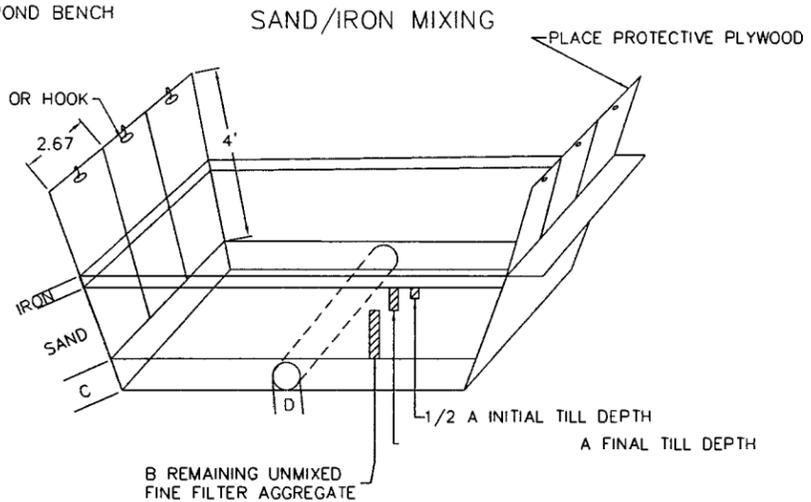
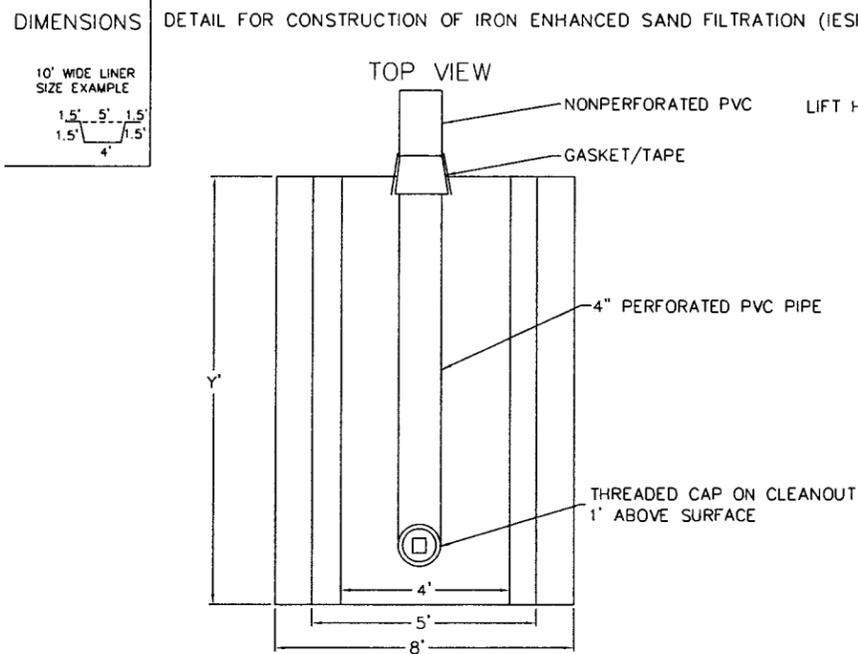
DESIGNED: CKR
 DRAWN: TWB
 CHECKED: CSC

BOLTON & MENK, INC.
 CONSULTING ENGINEERS & SURVEYORS
 MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN WILLMAR, MN
 BURNSVILLE, MN CHASKA, MN AMES, IA

MVP-2013-00248-MTS, Page 6 of 9

S.A.P. 070-612-011/C.P. 12-03/S.A.P. 201-020-005

SHEET 55B OF 104



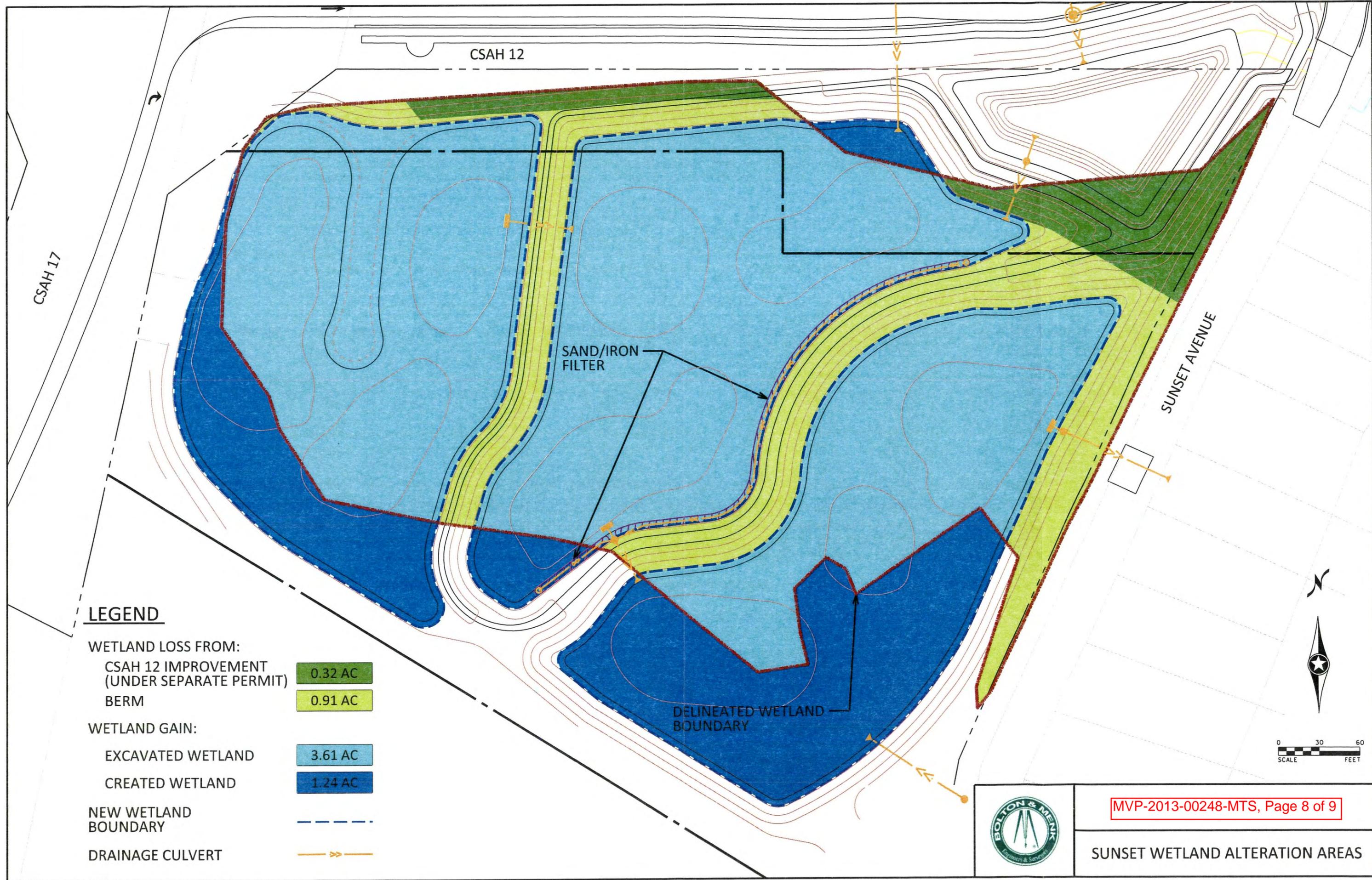
TYPICAL DIMENSION: A=8", B=6", C=4", D=4"
W=5'

SAND/IRON CONSTRUCTION SEQUENCING

- 1) PUMP DOWN POND
- 2) IMPORT STRUCTURAL SUBSOIL (IF NEEDED)
- 3) GRADE IN BENCH
- 4) EXCAVATE 1.5' TRENCH AS SHOWN IN DETAIL
- 5) COMPACT IESF BOTTOM TO 95% STANDARD PROCTOR
- 6) ROLL OUT 45 MIL EPDM LINER
- 7) INSTALL 4" DIAMETER PVC PIPE & CLEANOUTS
- 8) PLACE COURSE FILTER AGGREGATE ON BOTTOM 'C' FEET (COURSE FILTER AGGREGATE (3149.2H)
- 9) LEVEL TOP OF COURSE FILTER AGGREGATE PRIOR TO PLACING FINE FILTER AGGREGATE
- 10) PUT TEMPORARY PROTECTIVE PLYWOOD IN PLACE (OR OTHER METHOD APPROVED BY ENGINEER TO PREVENT PUNCTURE OF EPDM)
- 11) PLACE FINE FILTER AGGREGATE TO TOP OF BENCH (FINE FILTER AGGREGATE 3149.2J)
- 12) PLACE 0.925 LBS/SF PER 2" DEPTH 'A' (3.7 LBS/SF FOR 8 INCH 'A' DIMENSION) IRON FILINGS ON TOP OF SAND (ETI-CC-1004(-8+50) CONNELLY GPM, INC. OR APPROVED EQUAL)
- 13) TILL IN IRON FILINGS TO 'A' DEPTH USING SMALL GARDEN STYLE TILLER
- 14) HAND MIX SIDES NEAR 2.67x4' PROTECTIVE PLYWOOD
- 15) SET TILLER DEPTH TO 'A' AND MIX AGAIN WITH SAME PROCESS
- 16) A MINIMUM OF 10 TILLER PASSES SHALL BE MADE TO ENSURE COMPLETE MIXTURE OF IRON FILINGS AND SAND
- 17) REMOVE PROTECTIVE PLYWOOD & RAKE SURFACE FLAT
- 18) STAKE LINER DOWN EVERY 2'

NOTE: ALL ITEMS LISTED ARE CONSIDERED INCIDENTAL TO THE LUMP SUM BID ITEM INCLUDING: PUMPING POND, PLACING PLYWOOD, STAPLING LINER, TILLING, PIPE CLEANOUTS, RAKING SURFACE, ETC.





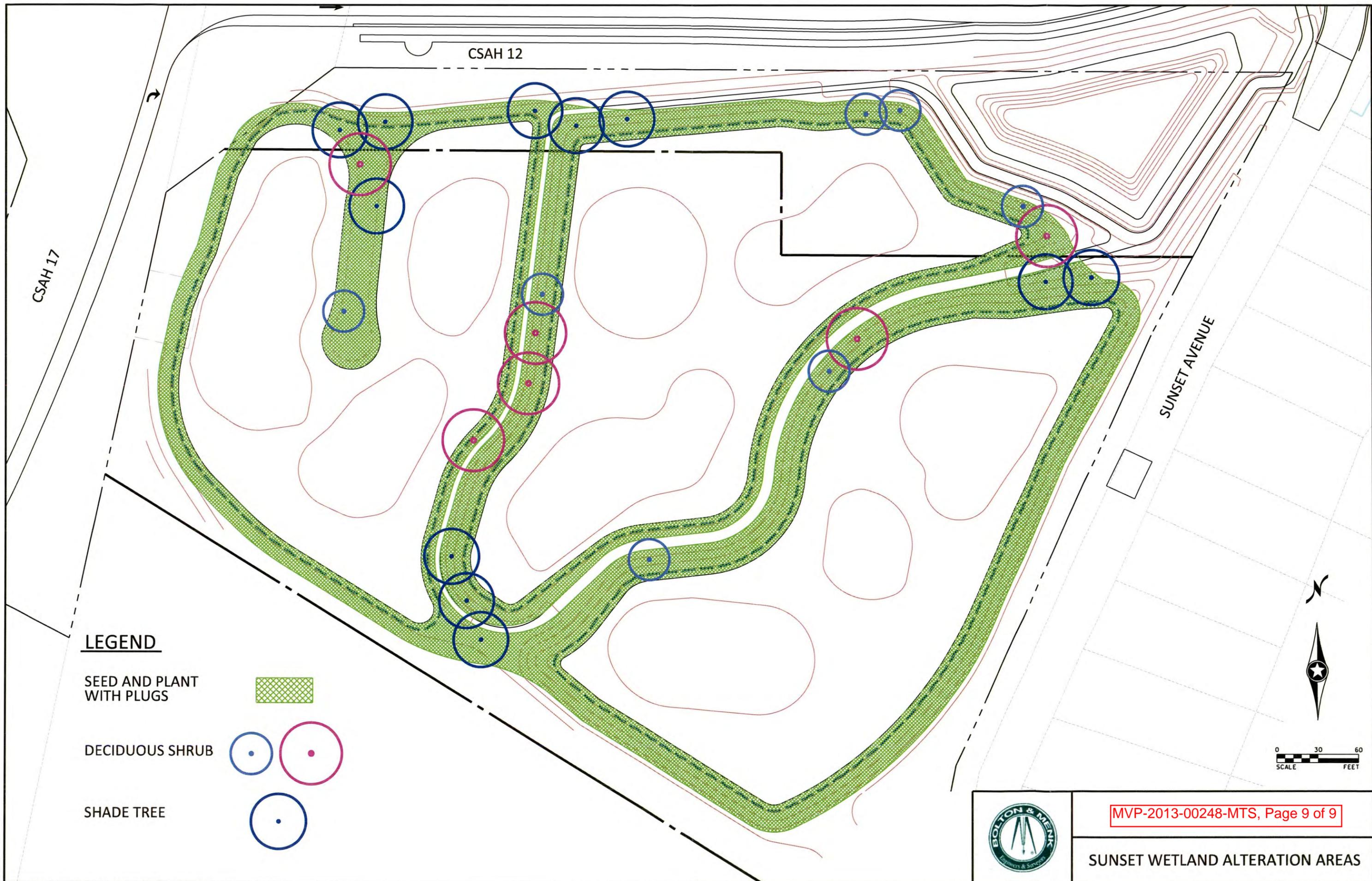
LEGEND

WETLAND LOSS FROM:	
CSAH 12 IMPROVEMENT (UNDER SEPARATE PERMIT)	0.32 AC
BERM	0.91 AC
WETLAND GAIN:	
EXCAVATED WETLAND	3.61 AC
CREATED WETLAND	1.24 AC
NEW WETLAND BOUNDARY	
DRAINAGE CULVERT	



MVP-2013-00248-MTS, Page 8 of 9

SUNSET WETLAND ALTERATION AREAS



CSAH 12

CSAH 17

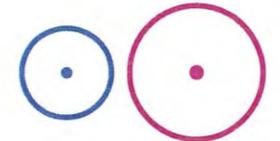
SUNSET AVENUE

LEGEND

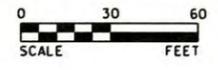
SEED AND PLANT WITH PLUGS



DECIDUOUS SHRUB



SHADE TREE



MVP-2013-00248-MTS, Page 9 of 9

SUNSET WETLAND ALTERATION AREAS