

Trail to the Past. Road to the Future.

# SPECIAL PLANNING COMMISSION MEETING

MANTORVILLE CITY COUNCIL CHAMBERS 21 5<sup>TH</sup> STREET E, MANTORVILLE, MN 55955 MONDAY, OCTOBER 24, 2022 6:30 PM

PLEASE TAKE NOTICE that a special meeting of the City of Mantorville Planning Commission has been called to address the following agenda item(s):

- 1. Call to Order
- 2. New Business
  - **A.** Area 15 Preliminary Plat Application (PID 130210401)
    - 1) Public Hearing to be continued to the November 14, 2022 Planning Commission Meeting
- 3. Adjourn



# **Planning Commission Report**

To: Chair and Commissioners

From: Shirley Buecksler, City Clerk-Treasurer

Date: October 24, 2022

# **Area 15 Preliminary Plat Application (PID 130210401)**

### **REQUEST:**

Bigelow Homes, LLC, has submitted a preliminary plat application for PID 130210401, referred to as Area 15, to plat the land into 36 single family residential lots (R-1). Neighboring property owners and other interested parties were notified of the public hearing scheduled for tonight. Notice was also published in the Dodge County Independent.

Enclosed are the application materials submitted on September 7, 2022 by Bigelow Homes, LLC. At this time, further discussion between the Developer, WHKS and the City is necessary. Therefore, Staff is recommending that the Planning Commission hold the public hearing for any comments tonight, but *continue the public hearing* to November 14, 2022. Note that the enclosed materials could change before the November 14<sup>th</sup> meeting.

### **CURRENT USES AND ZONING:**

	Use	Zoning
Subject Property	Residential (36 proposed single family homes)	R-1 – Single Family Residential
Properties to the North	Residential (Single Family Homes)	R-1 – Single Family Residential
Properties to the East	Residential (Single Family Homes)	Residential (Mantorville Township)
Properties to the South	Ag Land	Ag Land (Mantorville Township)
Properties to the West	Residential (Single Family Homes)	Residential (Mantorville Township)

### STAFF RECOMMENDATION:

The Planning Commission should open the public hearing for comment and motion to "continue the public hearing to the Planning Commission Meeting scheduled for 6:30 pm on Monday, November 14, 2022, to be held in the Mantorville Municipal Council Chambers located at 215th Street East, Mantorville, Minnesota."

# CITY OF MANTORVILLE APPLICATION FOR PRELIMINARY PLAT

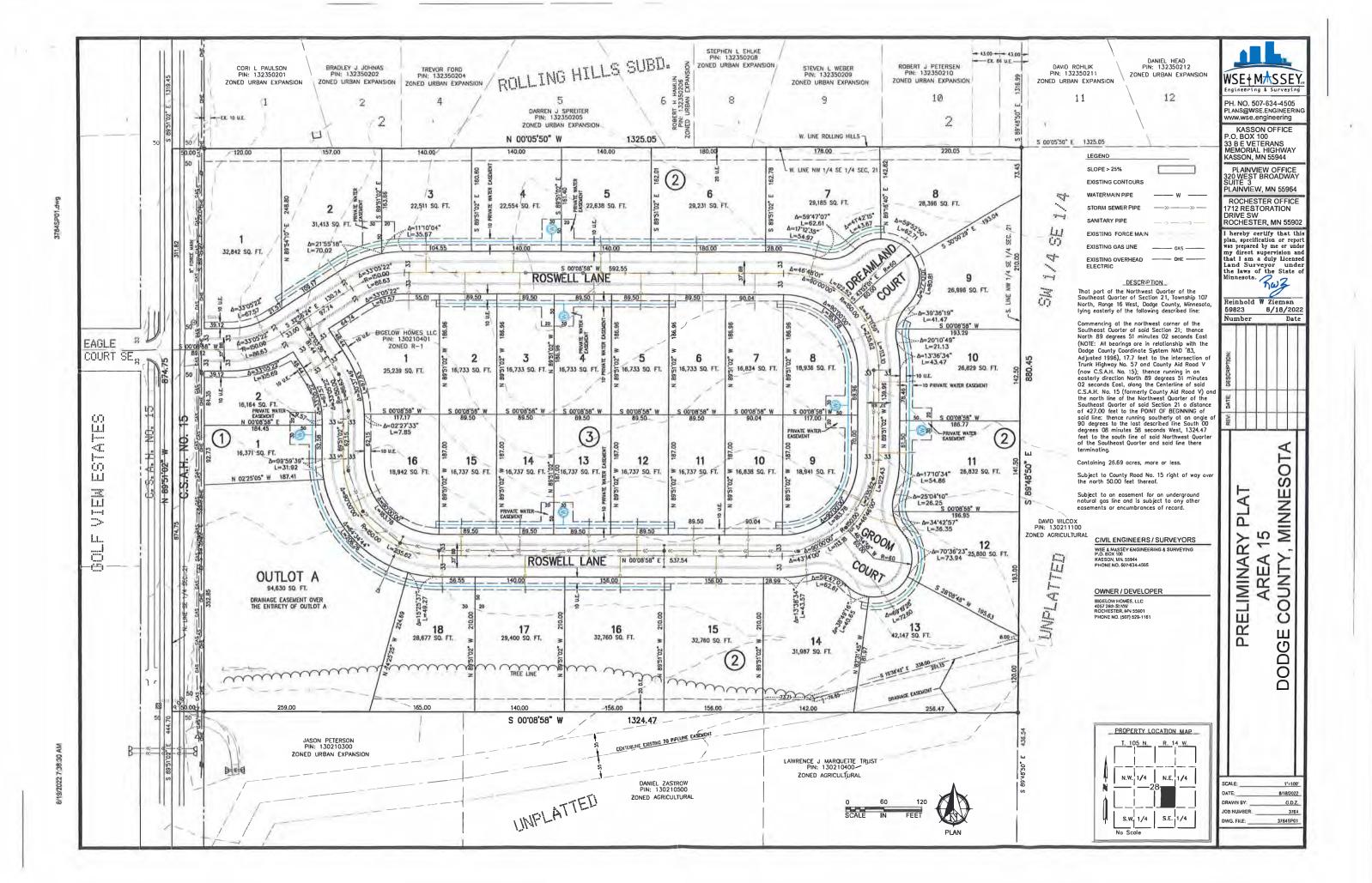
\*Fee required: \$350 +\$1.00 per lot

\*Escrow required: \$1,000

\*Preliminary plat prepared by licensed surveyor and general development plans also required at the time of application

Date Filed	Date Fee/Escrow Paid 1386.00
Date Considered Complete	
Street Address of Property XXXX Cty Rd 15	
Legal Description of PropertySee attached Exh (attach addition	nibit A nal page if necessary)
PID# (s)13.021.0401	
Owner's Name Bigelow Homes LLC (Tony B	<u>igelow)</u>
Address 4057 28th ST NW Rochester, MN 55	901
Phone <u>507-529-1161</u> Alternate Number or l	Email <u>tony@bigelowhomes.net</u>
Applicant (If other than owner)	
Address	
Description of Request: Plat existing land into si	ngle family lots and connect to City sewer
Present Zoning Classification: R1 R2 Com	nmercial Transitional Historic
Existing Use of Property <u>Agricultural Land for</u>	crop farming
Future Use of PropertySingle Family Lots an	d Homes
All materials required by Code submitted (pr	
Signature of Owner(s)	low V.P. Date 9-7-2022
	Date

	Public Hearing Date: 10.24.2022 Published Notice Date: 13.2022
).13.22	✓ Notice has been mailed to all properties within 350' of the proposed plan. (Attach Notice)
	✓ Notice has been mailed to all required utility companies. (Attach Notice)
	Council granted preliminary approval on
	Council granted final approval
	Attached copies of response from utility companies No response received.
	Other Information:



# PUBLIC IMPROVEMENTS TO SERVE AREA 15

Dodge County, MN \_ ISSUE DATE - 8/19/2022 PRELIMINARY PLAT SUBMITTAL

NOTE

CONTRACTOR IS RESPONSIBLE TO NOTIFY THE CITY AND THE OWNER IMMEDIATELY IF UNSUITABLE SOILS ARE ENCOUNTERED.



	LEGEND
1245	DENOTES PROPOSED CONTOUR ANNOTATION
x 46 84	DENOTES PROPOSED SPOT ELEVATION
	DENOTES DRAINAGE DIRECTION
—— SF——	DENOTES SILT FENCE OR BIOROLL PER 7-01SDP
<b>(</b>	DENOTES INLET PROTECTION PER 7-05SDP
150151	DENOTES PROPOSED EROSION MAT
	DENDTES PROPOSED BITUMINOUS
	DENOTES EXISTING CONTOURS
uuu	DENOTES TREE LINE
	DENOTES WATERWAIN PIPE
	DENOTES STORM SEWER PIPE
<del></del>	DENOTES SANITARY PIPE

Sheet	List Table
SHEET NUMBER	SHEET TITLE
1	TITLE SHEET
2	TYPICAL SECTIONS
3	OVERALL LAYOUT
4	PLAN & PROFILE
5	PLAN & PROFILE
6	PLAN & PROFILE
7	PLAN & PROFILE
8	PLAN & PROFILE
9	DETAILS
10	DETAILS
11	DETAILS
12	DETAILS
13	SWPPP
14	SWPPP
15	POND DETAIL

Approved By:

City Engineer

Date

PROJECT LOCATION
DODGE COUNTY

### UTILITY QUALITY LEVEL

The subsurface utility information in this plan is quality level <u>D</u>. This quality level was determined according to the guidelines of CVASCE 38-2, entitled "Standard Guidelines for the Cotection and Depiction of Existing Subsurface Utility Data."

Project Number 23.3-213746

WSE+MASSEY.

Engineering & Surveying

PH. NO. 507-634-4505 PLANS@WSE.ENGINEERING www.wse.engineering

KASSON OFFICE P.O. BOX 100 33 B E VETERANS MEMORIAL HIGHWAY KASSON, MN 55944

PLAINVIEW OFFICE 320 WEST BROADWAY SUITE 3 PLAINVIEW, MN 55964

ROCHESTER OFFICE 1712 RESTORATION DRIVE SW ROCHESTER, MN 55902

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.

Les Conway 23292 8/19/202

8/19/2022 Number Date

TITLE SHEET AREA 15 DODGE COUNTY, MINNESOTA

SCALE: AS SHOWN

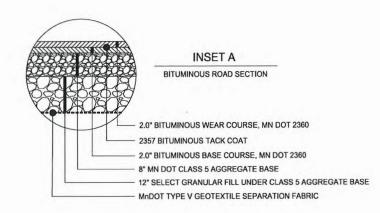
DATE: 8/1 9/2022

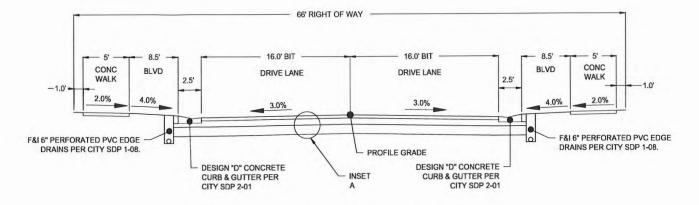
DRAWN BY: TAC

JOB NUMBER: 023.3-213764

DIVIG. FILE: 23.3-213764 CT01.dwg

Sheet 1 of 14





CENTER LINE IS 0.23' ABOVE TOP OF CURB FOR THE PUBLIC STREET

ROSWELL LANE, GROOM COURT, AND DREAMLAND COURT



PH. NO. 507-634-4505 PLANS@WSE.ENGINEERING www.wse.engineering

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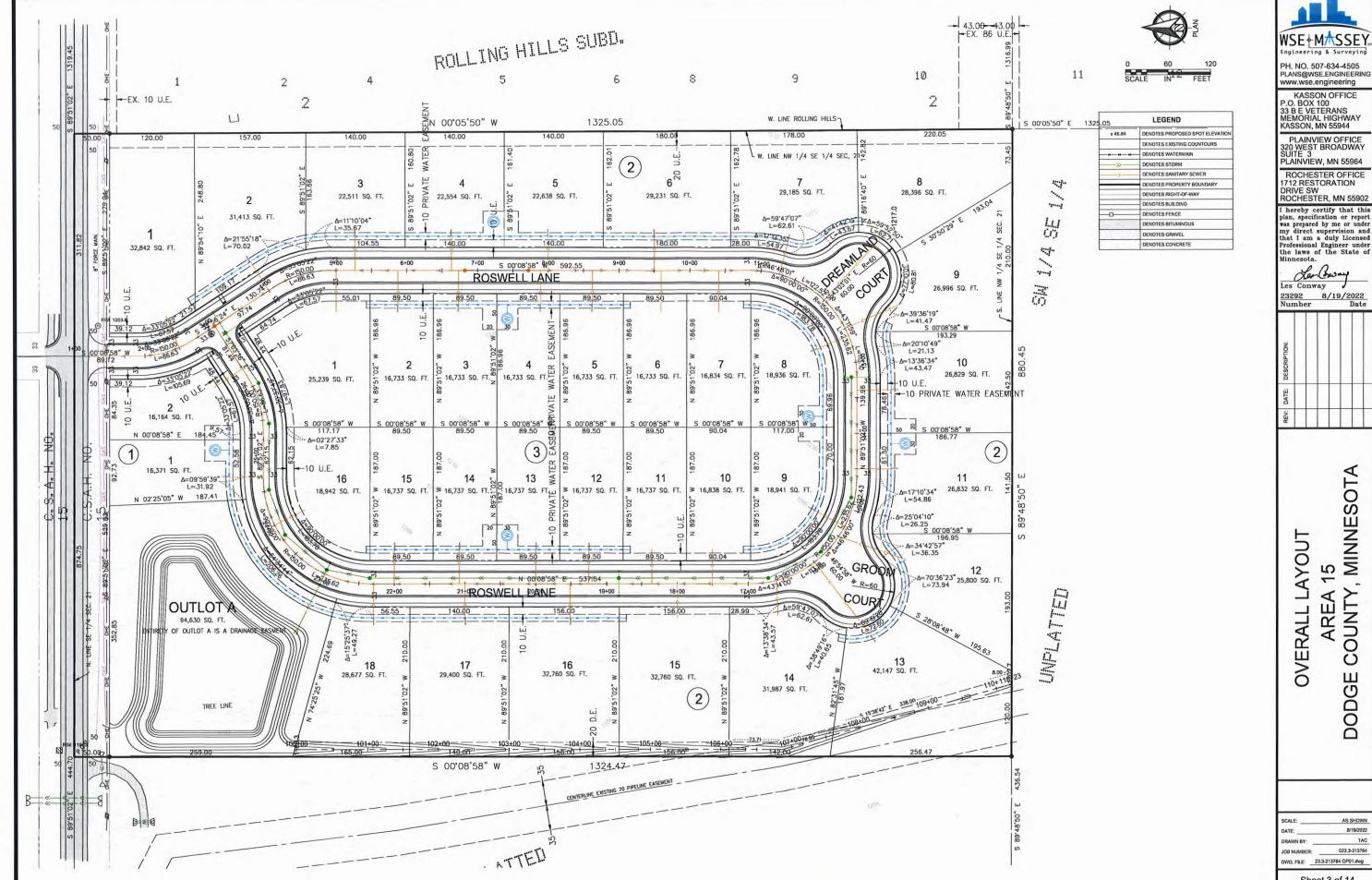
Lan Coway Les Conway

23292 8/19/2022 Number Date

AREA 15 COUNTY, MINNESOTA TYPICAL SECTIONS DODGE

AS SHOWN 023.3-213764 JOB NUMBER: DWG. FILE: 23.3-213764 TY01.dwg

Sheet 2 of 19



Sheet 3 of 14

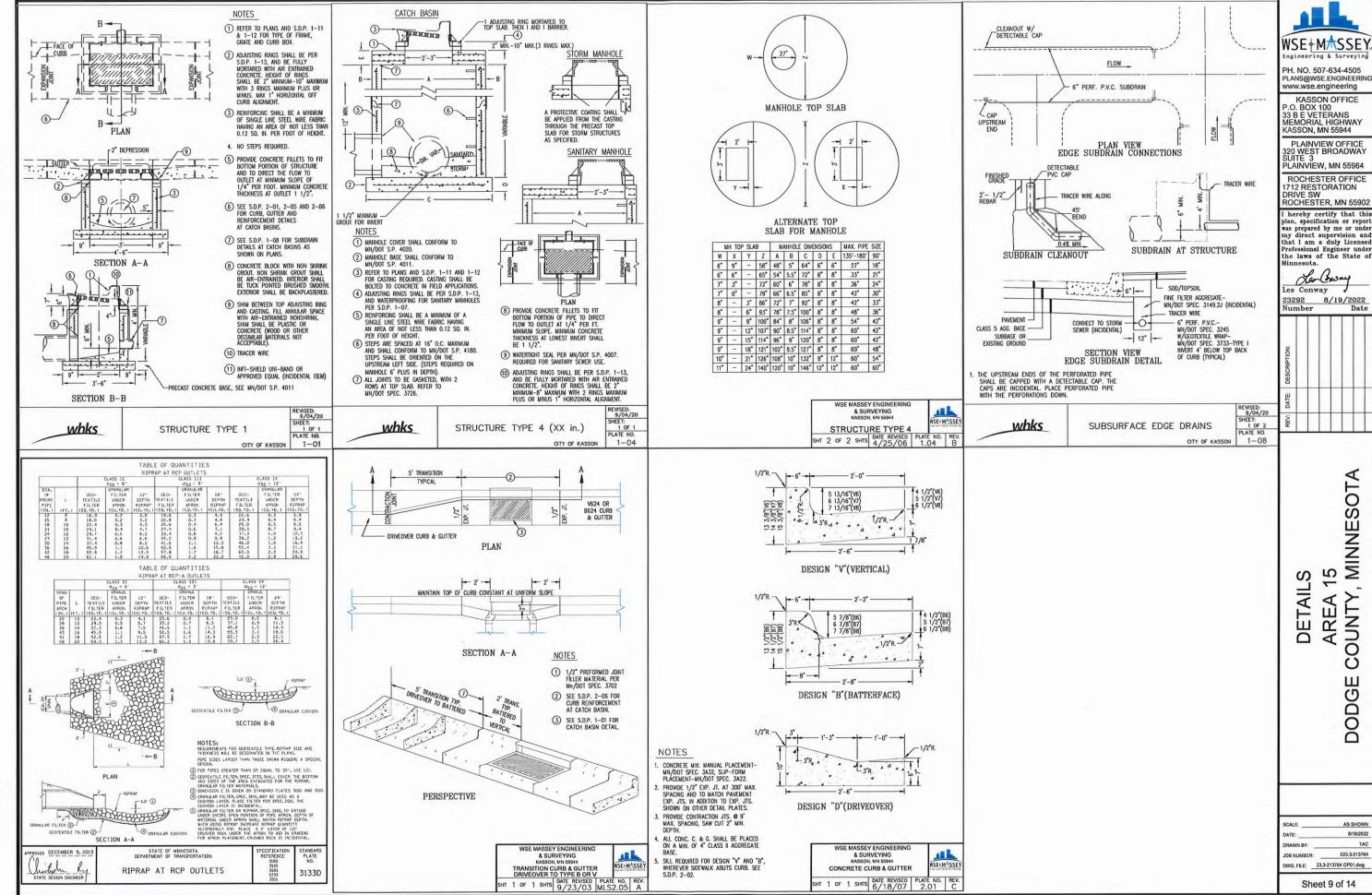
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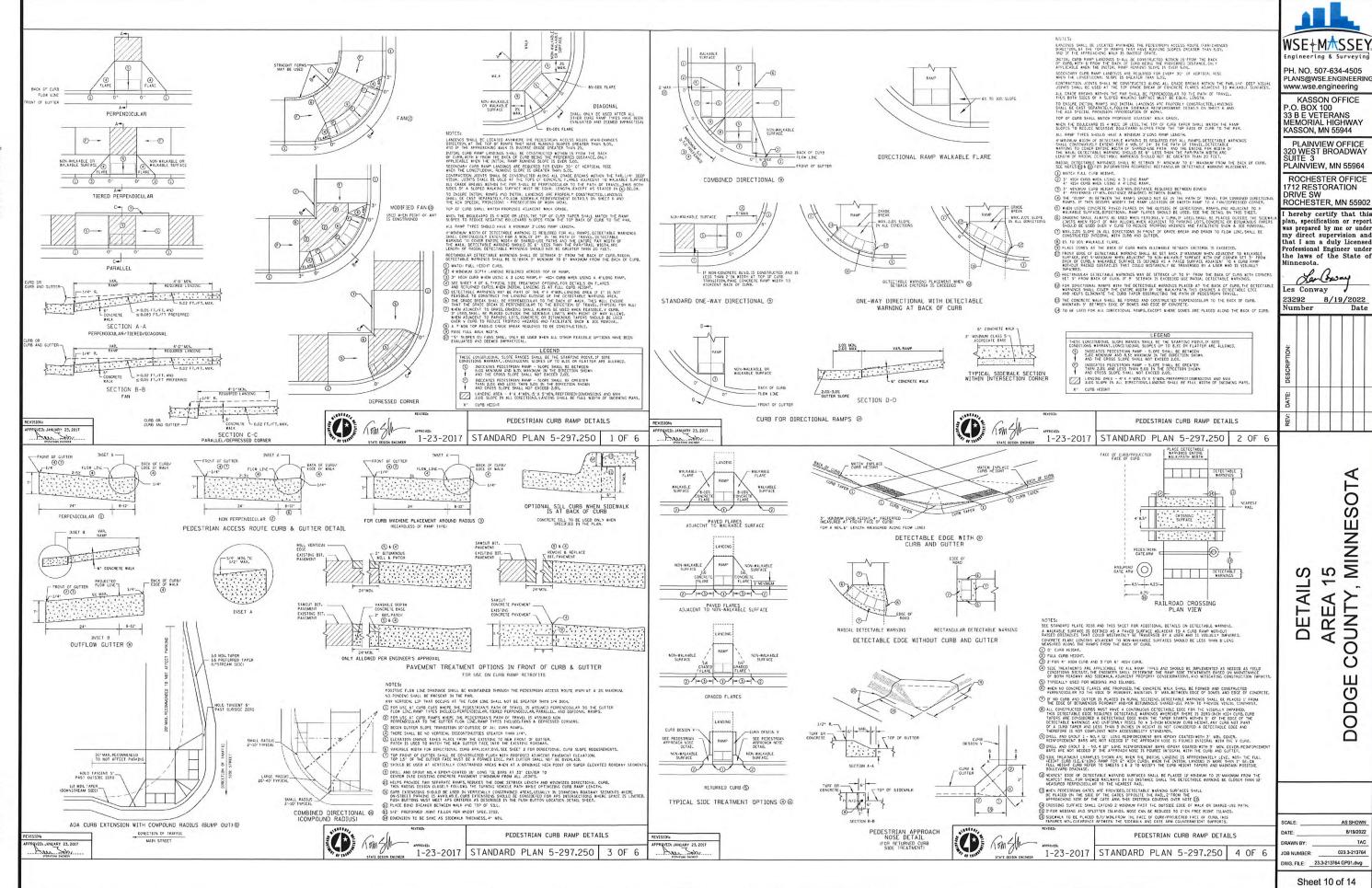
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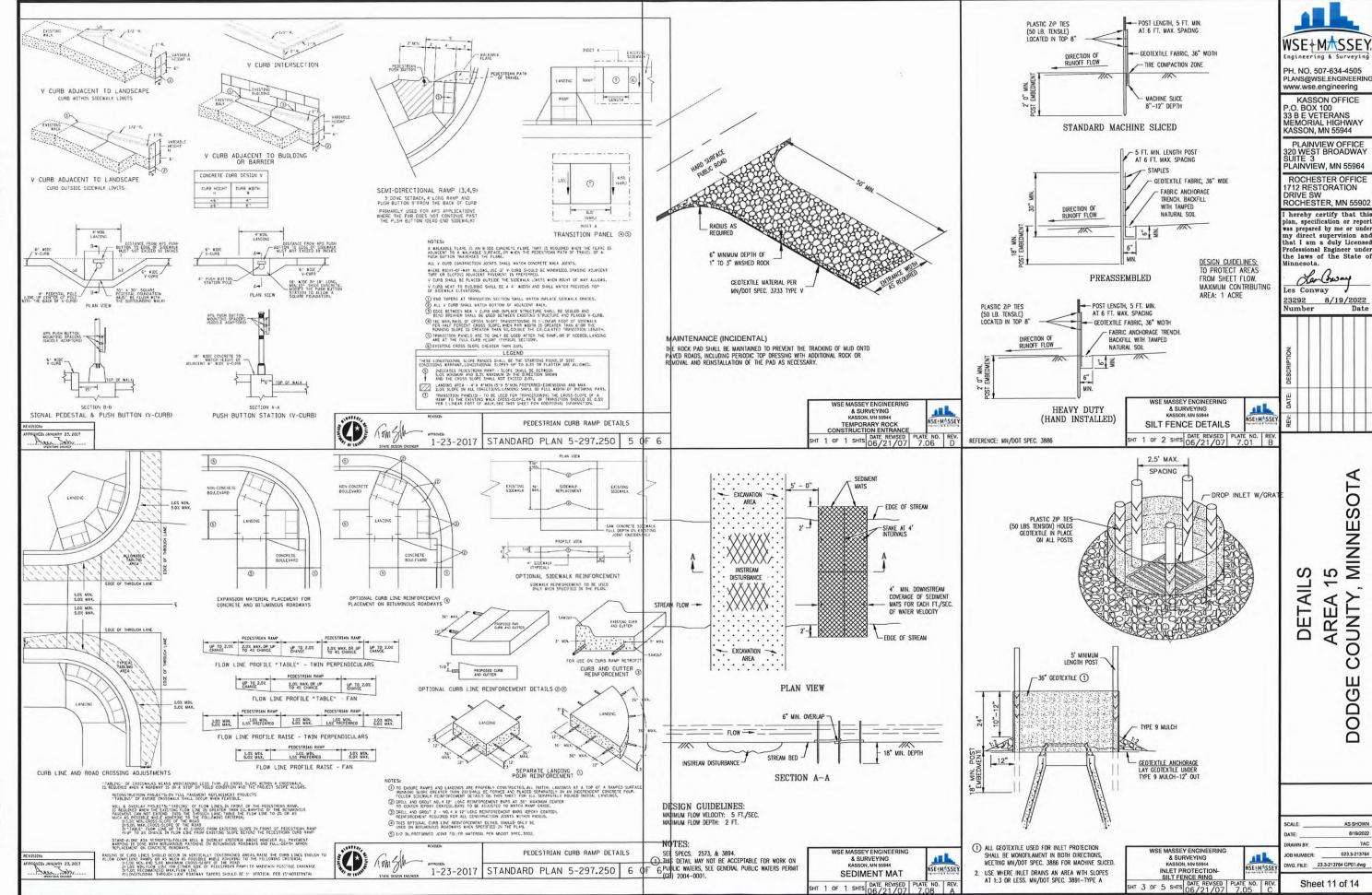
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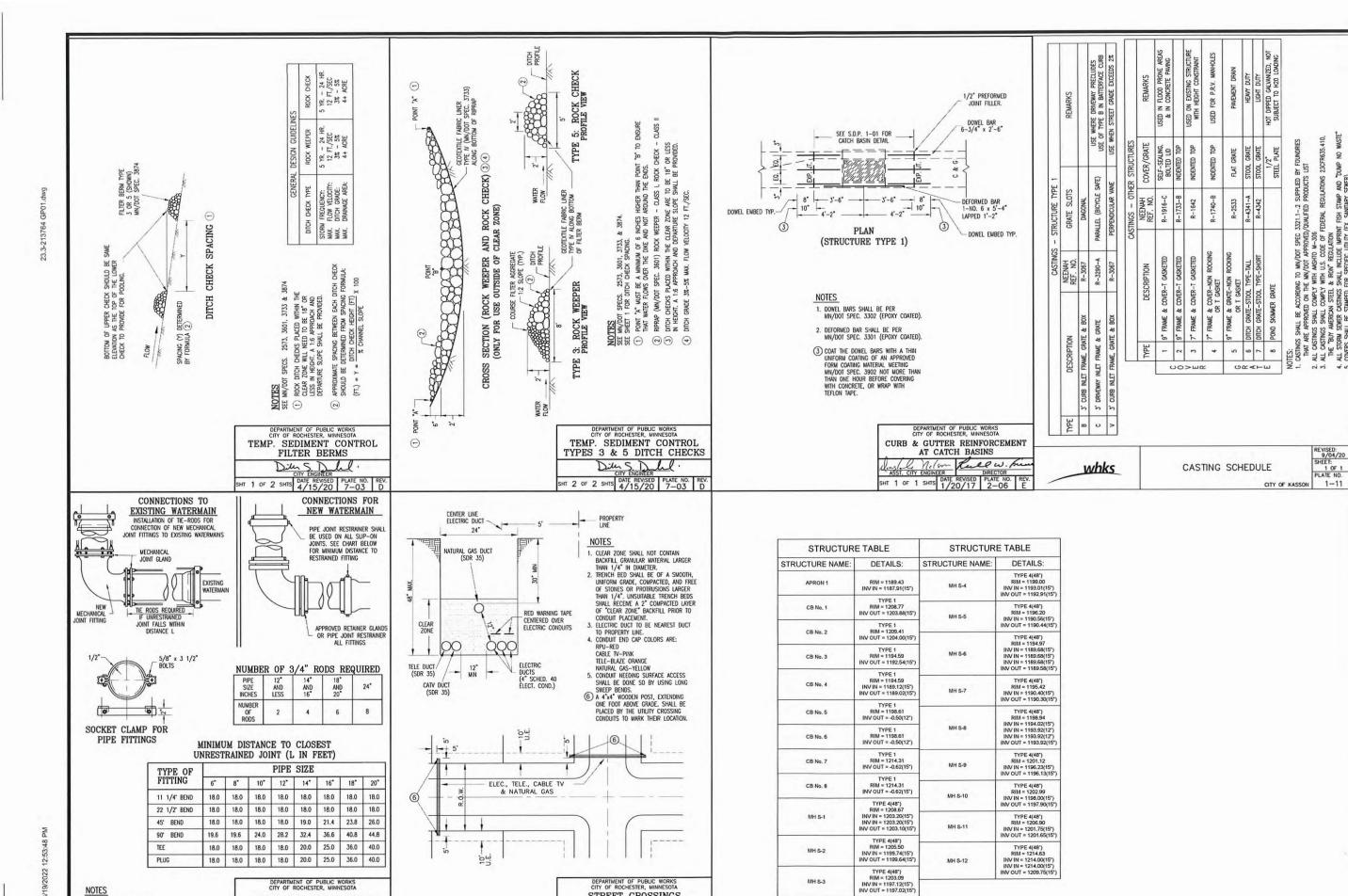


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23292 8/19/2022



3/19/2022 12:53:44 PM



STREET CROSSINGS

FOR UTILITY CONDUITS

SHT 1 OF 1 SHTS DATE REVISED PLATE NO. REV. 4/15/20 4-03 C

RESTRAINED JOINT DETAIL

SHT 1 OF 1 SHIS 12/1/11 6-05 D

1. RODS TO BE GALVANIZED.

X MINNESOT 2 ~ AREA OUNTY O Ш DODGE

DETAILS

NSE+MASSEY

PH. NO. 507-634-4505 PLANS@WSE.ENGINEERING www.wse.engineering

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ROCHESTER OFFICE

ROCHESTER, MN 55902

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Ler Coway

23292 8/19/2022 Number Date

Les Conway

REVISED: 9/04/20 SHEET:

1 OF 1 PLATE NO.

1712 RESTORATION

AS SHOWN 8/19/2022 DRAWN BY: 023.3-213764 JOB NUMBER: DWG. FILE: 23.3-213764 GP01.dwg

Sheet 12 of 14

# STORM WATER POLLUTION PREVENTION PLAN

PROJECT LOCATION:	PID: 130210401			
PROJECT SITE NAME:	AREA 15			
PROJECT NUMBERS:	023.3213764			
PROJECT LOCATION:	STREET: COUNTY RD 15	CITY: N/A	TOWNSHIP: MANTORVILLE TOWNSHIP	COUNTY: DOD
COUNTY	STATE: MN	ZI	2: 55955	
LATITUDE/LONGITUDE:	44.058321, -92.745083			

AREA 15 IN MANTORVILLE TOWNSHIP, MINNESOTA. THE SITE IS PLANNED TO BE GRADED AND UTILITIES INSTALLED CONCURRENTLY.

CONTRACTOR AND OWNER ARE REQUIRED TO APPLY FOR AND RECEIVE A NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM TRUCTION PERMIT FROM THE MPCA AT LEAST 7 DAYS PRIOR TO BEGINNING WORK

CONTRACTOR AND OWNER SHALL IDENTIFY A PERSON KNOWLEDGEABLE AND EXPERIENCED IN THE APPLICATION OF EROSION

PREVENTION AND SEDIMENT CONTROL BMPS WHO WILL OVERSEE THE IMPLEMENTATION OF THE SWPPP.

COMPANY:	NAME:	PHONE:	
COMPANY:	NAME:	PHONE:	

OWNER SHALL IDENTIFY THE ENTITY RESPONSIBLE FOR THE LONG TERM OPERATION AND MAINTENANCE OF THE STORM WATER

COMPANY:	NAME:	PHONE:

THIS SWPPP WAS PREPARED BY INDIVIDUALS THAT HAVE BEEN PROPERLY TRAINED IN ACCORDANCE TO PART III.F OF THE NPDES PERMIT, CERTIFICATION CARDS ARE AVAILABLE UPON REQUEST.

SWPPP DEVELOPER

WATER RESOURCE ENGINEER

WSE ENGINEER SERVICES (JOE TENLEY) 1712 RESTORATION RD SW WATER RESOURCE ENGINEER:
WSE ENGINEERING SERVICES (LES CONWAY)
320 W. BROADWAY, SUITE 3
PLAINVIEW, MN 55964
507-273-8445 / LES@WSE.ENGINEERING ROCHESTER, MN 55902 507-259-6573 / JOE@WSE.ENGINEERING

APPLICABLE FEDERAL, TRIBAL, STATE OR LOCAL PROGRAMS: THE MORE STRINGENT OF LOCAL VS. STATE VS. FEDERAL RULES SHALL APPLY WHERE THEY CONFLICT. THE OPERATOR IS RESPONSIBLE TO COMPLY WITH ALL APPLICABLE PERMITS, MNDOT SPECIAL ISIONS, MNDOT SPEC BOOK (2018 EDITION) AND MNDOT SPECIFICATIONS, 1717.

### CONTACTS

MPCA (EMERGENCY)	N/A	STATE DUTY OFFICER	1-800-422-0798
MPCA	N/A	DAVID BODOVINITZ	507-206-2654
JSACE (SECTION 404)	N/A	DAVE STUDENSKI	651-290-5902/DAVID.A.STUDENSKI@USACE/ARMY.MIL
ONR (PUBLIC WATERS)	N/A	TAYLOR HUINKER	651-345-5601/TAYLOR.HUINKER@STATE.MN.US
DLMSTED COUNTY (WCA)	N/A	DON VANKEULEN	507-328-7118/VANKEULEN.DON@CO.OLMSTED.MN.US
ONR (PUBLIC WATERS)	N/A	NICOLE LEHMAN	507-206-2854/NICOLE,LEHMAN@STATE,MN.US

DUONE MUNDEDÆ MAN

CONSTRUCTION ACTIVITIES:	ILD PROVIDE ESTIMATED CONSTRUCTION SCHEDULE TO THE ENGINEER  I ESTIMATED DATES OF SOIL DISTURBANCE ACTIVITIES:
INSTALL TEMPORARY SEDIMENT CONTROL BMPS	AUGUST 2022
TREE CLEARING (NO GROUND DISTURBANCE)	AUGUST 2022
GRADING & UTILITY WORK	AUGUST 2022 - OCT 2022
FINAL STABILIZATION/LANDSCAPING	OCT 2022

PROJECT ORGANIZATION CONTACTS	NAME	PHONE NUMBER
CONTRACTOR'S EROSION AND SEDIMENT CONTROL SUPERVISOR		
CONTRACTOR'S EROSION AND SEDIMENT CONTROL INSTALLER		

TEMPORARY STORMWATER MANAGEMENT SYSTEM:
THE PERMANENT STORM WATER POND IS TO BE USED AS THE TEMPORARY BASIN DURING CONSTRUCTION BECAUSE THE ACREAGE OF DISTURBED SOIL DRAINING TO A COMMON DISCHARGE IS MORE THAN FIVE (5) ACRES PER SECTION 23.1 OF THE NPDES PERMIT

LONG TERM MAINTENANCE:
THE STORM WATER MANAGEMENT SYSTEM IS OWNED BY THE CITY.

AREA	TIME FRAME	NOTES
EXPOSED AREAS	IMMEDIATELY AND NO LATER THAN 7 DAYS OF BEING UNWORKED	1, 4, 5
LAST 200 LINEAL FEET OF DRAINAGE DITCH/SWALE	WITHIN 24 HOURS OF CONNECTION TO SURFACE WATER/PROPERTY EDGE	1, 2, 3
REMAINING PORTION OF DRAINAGE DITCH OR SWALE	7 DAYS	1.3
PIPE AND CULVERT OUTLETS	24 HOURS	
STOCKPILES	7 DAYS	1

- INITIATE STABILIZATION IMMEDIATELY WHEN CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED ON ANY PORTION OF THE SITE. COMPLETE STABILIZATION WITHIN THE TIME FRAME LISTED. IN MANY INSTANCES THIS WILL REQUIRE STABILIZATION TO OCCUR MORE THAN ONCE DURING THE COURSE OF THE PROJECT. TEMPORARY SOIL STOCKPILES WITHOUT SIGNIFICATION CLAY OR SILT AND STOCKPILES AND CONSTRUCTED ROAD BASE ARE EXEMPT FROM THE STABILIZATION REQUIREMENT

- STOCKPILES AND CONSTRUCTED ROAD BASE ARE EXEMPT FROM THE STABILIZATION REQUIREMENT.

  STABILIZE WETTED PERIMETER OF DITCH (I.E. WHERE THE DITCH GETS WET).

  APPLICATION OF MULCH OR HYDROMULCH ARE NOT ACCEPTABLE STABILIZATION METHODS IN THESE AREAS,

  STABILIZE ALL AREAS OF THE SITE PRIOR TO THE ONSET OF WINTER. ANY WORK STILL BEING PERFORMED WILL BE MULCHES OR BLANKETED WITH THE TIME FRAMES IN THE NPDES PERMIT.
- KEEP DITCHES AND EXPOSED SOILS IN AN EVEN ROUGH GRADED CONDITION IN ORDER TO BE ABLE TO APPLY EROSION CONTROL

QUANTITY TABULATION EROSION PREVENTION / SEDIMENT CONTROL BMPs			
ITEM	UNIT	QUANTITY	
SILT FENCE	LF	x,xxx	
INLET PROTECTION	EA	x	
SEEDING (SEED MIX No. 25-151)	AC	xxx	
EROSION CONTROL BLANKET (SEED MIX No. 25-131)	SY	х	
ROCK CONSTRUCTION ENTRANCE	EA	1	
DITCH CHECKS	EA	×	

DESCRIPTION	TITLE	LOCATION
SWPPP NARRATIVE	SWPPP	SHEET 7-8
SITE MAP	SWPPP	SHEET 7-8
CONSTRUCTION PHASING/STAGING, BUFFERS, & AREAS NOT TO BE DISTURBED	GRADING & EROSION CONTROL PLAN	SHEET 4-6
DIRECTION OF FLOW (PRE-/POST-CONSTRUCTION)	DRAINAGE PLAN	DRAINAGE REPORT
MPERVIOUS SURFACES	GRADING & EROSION CONTROL PLAN	SHEETS 4-6
TEMPORARY EROSION & SEDIMENT CONTROL	GRADING & EROSION CONTROL PLAN	SHEETS 4-6
BMPS/SLOPES (3:1)	GRADING & EROSION CONTROL PLAN	SHEETS 4-6
PERMANENT EROSION CONTROL BMPS	GRADING & EROSION CONTROL PLAN	SHEETS 4-6
DRAINAGE AREAS	DRAINAGE PLAN	DRAINAGE REPORT
STORM SEWER	GRADING & EROSION CONTROL PLAN	SHEETS 4-6
GRADING	GRADING & EROSION CONTROL PLAN	SHEETS 4-6
BMP DETAILS/SPECIFICATIONS	SWPPP	SHEET 4,5,6,7,and 8

EXISTING SITE CONDITIONS, M SOILS, & WATER RESOURCES:
SOILS AND NATIVE TOPSOIL: NATIVE TOPSOIL MAY BE STRIPPED AND STOCKPILED FOR FINAL GRADING OPERATIONS, WHERE INDICATED IN THE CONSTRUCTION PLANS AND SPECIFICATIONS. METHODS AND EQUIPMENT TO MINIMIZE SOIL COMPACTION (IN PROPOSED INFILTRATION AREAS, DRIP LINE OF TREES TO BE PRESERVED, ETC.) SHALL BE DETERMINED BY THE OPERATOR'S SWPPP TRACKED VEHICLES ARE PREFERRED AND WHEELED VEHICLES ARE DISCOURAGED IN THESE AREAS

NRCS SOIL MAP AND SOIL SURVEY INCLUDED IN SECOND PAGE OF SWPPP

### DESCRIPTION OF RECEIVING WATERS (LOCATED WITHIN 1-MILE):

RECEIVING WATERS: SURFACE WATERS WHICH WILL RECEIVE STORM WATER FOR THE SITE WITHIN 1 MILE OF PROJECT BOUNDARY ARE LISTED.

NAME OF WATER BODY SOUTH BRANCH MIDDLE FORK

TYPE (DITCH, POND, WETLAND, LAKE, ETC)

SPECIAL OR IMPAIRED WATER?

DESCRIPTION OF IMPAIRED WATERS OR WATER SUBJECT TMDLS: A SPECIAL AND IMPAIRED WATERS SEARCH WAS COMPLETED USING THE MPCA SEARCH ENGINE (https://mpca.maps.arcgis.com/apps/webappviewer/index.html?id=fcfc5a12d2fd4b16bc95bb535d09ae82) ON 8/08/2022, BASED ON THIS REVIEW, THERE IS ONE IMPAIRED WATER WITHIN A MILE OF THE PROJECT LISTED ABOVE

CONSTRUCTION PHASING/STAGING, BUFFERS, & AREAS NOT TO BE DISTURBED:
CONSTRUCTION OF THE SITE SHALL OCCUR IN ONE PHASE. THE OWNER SHALL COORDINATE ALL DISTURBING ACTIVITIES TO MINIMIZE THE
SIZE OF EXPOSED AREAS AND DURATION OF EXPOSURE. SPECIFIC CONSTRUCTION SEQUENCING IS REQUIRED FOR THE TEMPORARY AND
PERMANENT STORMWATER MANAGEMENT SYSTEMS AS NOTED WITHIN THE SWPPP AND PLANSHEETS. MASS GRADING OF THE SITE SHALL
BE AVOIDED. THE OWNER AND OPERATOR SHALL ADHERE TO THE STABILIZATION TIMEFRAMES BELOW.

<u>BUFFERS:</u> A SURFACE WATER IS NOT LOCATED WITHIN 50° OF THE PROJECT'S EARTH WORK DISTURBANCE LIMIT.

AREAS NOT TO BE DISTURBED:
ALL AREAS OUTSIDE OF THE GRADING LIMITS ON THE GRADING & EROSION CONTROL PLAN WILL NOT BE DISTURBED

ENVIRONMENTALLY SENSITIVE AREAS STEEP SLOPES: EROSION BLANKET CATEGORY 10 SHALL BE PLACED ON ALL PROPOSED SLOPES GREATER THAN 3:1. DRINKING WATERWELLS; ACCORDING TO THE MDH, THE PROJECT HAS NO DRIKING WATERWELLS WITHIN 200' OF PROJECT.

### CONTAMINATED PROPERTIES: THE MPCA'S "WHAT'S IN MY NEIGHBORHOOD" DATABASE

html?id=9d45793c/5644e05hac197526f633f87) WAS REVIEWED ON 8/8/2022, THE RESULTS OF (INTIDES)/IMPOS.Maps.sarcgis.com/apps/wedeappyrewer/inides.ninini-in-3040/3540/004400008613/0050003/1/1/1/1/1/ THIS REVIEW SHOWED 2 KNOWN CONTAMINATED PROPERTIES OR LEAK SOURCES LOCATED WITHIN AND ADJACENT TO THE PROJECT

CONTAMINATED SOILS: IF CONTAMINANT SOILS ARE DISCOVERED DURING GRADING OPERATIONS. THE CONTRACTOR MUST IMMEDIATELY SUSPEND WORK AND NOTIFY THE ENGINEER AND OWNER.

STORMWATER POLLUTION MITIGATION MEASURES (AS IDENTIFIED FROM ENVIRONMENTAL REVIEW); NO FORMAL ENVIRONMENTAL REVIEW WAS REQUIRED FOR THIS PROJECT; THEREFORE, NO ADDITIONAL STORMWATER-RELATED MITIGATION MEASURES APPLY.

KARST AREAS: THE SITE IS WITHIN A KARST AREA, HOWEVER, NO KARST FEATURES SUCH AS SINKHOLES OR SPRINGS HAVE BEEN IDENTIFIED. IF A SINKHOLE IS ENCOUNTERED THE CONTRACTOR WILL SUSPEND WORK AND COORDINATE WITH A GEOLOGIST OR

FISH EXCLUSION DATES: PROJECT ACTIVITIES ARE NOT PROPOSED WITHIN ANY DNR WATERBODIES. FISH EXCLUSION DATES DO NOT APPLY TO HIS PROJECT.

AQUATIC INVASIVE SPECIES: ALL IN-STREAM AND DEWATERING EQUIPMENT SHALL BE DECONTAMINATED OF ALL AQUATIC PLANTS AND PROHIBITED INVASIVE SPECIES PRIOR TO USING WITHIN SURFACE WATERS ON-SITE AND TRANSPORTING OFF-SITE, ALL DECONTAMINATING ACTIVITIES SHALL MEET THE CHAPTER STANDARDS OF THE MINNESOTA DNR'S BEST PRACTICES MANUAL FOR MEETING DNR GENERAL PUBLIC WATERS WORK PERMIT GP 2004-0001.

WETLANDS: THERE ARE NO WETLAND IMPACTS PROPOSED WITH THIS PROJECT.

### INSPECTION, SWPPP AMENDMENTS, RECORD KEEPING, & TRAINING:

- 1. THE SWPPP CHAIN OF RESPONSIBILITY MUST BE AMENDED BY THE OPERATOR WHEN THE IDENTITY OF RESPONSIBLE SITE OPERATORS
- THE SWPPP CHAIN OF RESPONSIBILITY MUST BE AMENDED BY THE OPERATOR WHEN THE IDENTITY OF RESPONSIBLE SITE OPERATORS
  (EROSION CONTROL SUPERVISOR, SUB-CONTRACTORS, ETC.) ARE KNOWN.
   THE OPERATOR MUST INSPECT THE ENTIRE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN (7) DAYS DURING ACTIVE
  CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GRATER THAN 0.5 INCHES IN 24 HOURS. THE OPERATOR SHALL
  PROVIDE A RAINFALL GAUGE ON -SITE, WITH ONE MILE OF THE SITE, OR SOURCE OF THE WEATHER REPORTING SYSTEM THAT USES
  SITE SPECIFIC RAINFALL DATA FROM RADAR SUMMARIES. THE LOCATION AND SOURCE OF THE RAINFALL GAUGE OR REPORTING
  SYSTEM MUST BE DOCUMENTED IN THE FIRST SWPPP INSPECTION REPORT, THE INSPECTION FREQUENCY MAY BE REDUCED TO ONCE
  PER MONTH, IF SITE CONDITIONS MEET PART 11.1.8 OF THE NPDESISDS PROGRAM MINFO0001. ALL INSPECTIONS AND MAINTENANCE CONDUCTED MUST BE RECORDED IN WRITING BE TO OPERATOR AND RETAINED WITH THE SWPPP, RECORDS OF EACH INSPECTIONS AN MAINTENANCE ACTIVITY SHALL INCLUDE:

- MAINTENANCE ACTIVITY SHALL INCLUDE:
  2.1. DATE, ITME, AND NAME OF PERSON(S) CONDUCTION INSPECTIONS.
  2.2. FINDINGS OF INSPECTIONS, INCLUDING RECOMMENDATIONS FOR CORRECTIVE ACTIONS.
  2.3. CORRECTIVE ACTIONS TAKEN (INCLUDING DATES, TIMES, AND PARTY COMPLETING MAINTENANCE ACTIVITIES); INCLUDING DOCUMENTATION/PHOTOS, OF IMPLEMENTED BMPS INTENDED TO CORRECT A PROBLEM BUT FAILED.
  2.4. DATE AND AMOUNT OF ALL RAINFALL EVENTS GREATER THAN 0.5 INCHES IN 24 HOURS.
  2.5. DOCUMENTATION OF CHANGES MADE TO THE SWPPP.

- 3. SWPPP AMENDMENTS AND SITE PLANS WILL BE PREPARED BY THE OPERATOR AND SUBMITTED TO THE OWNER FOR REVIEW AND WRITTEN APPROVAL BY THE PROJECT OWNER (OR DESIGNATED REPRESENTATIVE), ALL OWNER ACCEPTED AND DENIED SWPPP AMENDMENTS AND SITE PLANS MUST BE RECORDED IN WRITING RETAINED WITH THE SWPPP.

  4. THE SWPPP SHALL BE AMENDED TO INCLUDE ADDITIONAL OR MODIFIED BMPS, DESIGNED TO CORRECT IDENTIFIED PROBLEMS OR
- ADDRESS SITUATIONS (UNDER PART 6.1-6.4 OF THE NPDES/SDS PROGRAM MNR100001), PRIOR TO CONDUCTION SPECIFIC STAGES/PHASES OF THE PROJECT, AS REQUIRED BY THE OWNER AND DEFINED IN THIS PROJECT SWPPP.
- STAGES/PHASES OF THE PROJECT, AS REQUIRED BY THE OWNER AND DEFINED IN THIS PROJECT SWPPP.

  5. THE SWPPP (ORIGINAL OR COPES), ALL CHANGES TO THE SWPPP, PROJECT MANUAL, AND INSPECTIONS/MAINTENANCE RECORDS MUST
  BE KEPT AT THE SITE DURING CONSTRUCTION BY THE OPERATOR WHO HAS OPERATIONAL CONTROL OF THAT PORTION OF THE SITE,
  THE SWPPP CAN BE KEPT IN THE FIELD OFFICE OR ON-SITE VEHICLE DURING NORMAL WORKING HOURS.

  6. THE OPERATOR MUST ASSIGN A TRAINED INDIVIDUAL(S) (PURSUANT TO PART 5.20-5.21 OF THE NPDES/SDS PROGRAM MINTENONOT) TO
  OVER SEE THE IMPLEMENTATION. MAINTENANCE, AND REPAIR OF BMPS. THIS INDIVIDUAL(S) SHALL ALSO PERFORM INSPECTIONS,
  REVISE/MARND THE SWPPP (DOCUMENT IN SWPPP AS NECESSARY), AND BE AVAILABLE FOR AN ONSITE INSPECTION WITHIN 72 HOURS UPON REQUEST BY THE PERMITTED OWNER (OR ITS DESIGNEE), LOCAL GOVERNMENT UNITS, OR MPCA.

### **PERMIT TERMINATION:**

- TERMINATION OF COVERAGE WHEN CONSTRUCTION IS COMPLETE: ALL PERMITTEE(S) MUST SUBMIT A NOTICE OF TERMINATION TO
  THE MPCA ON A FORM PROVIDED BY THE COMMISSIONER WITHIN 30 DAYS AFTER ALL ACTIVITIES REQUIRED FOR FINAL
  STABILIZATION ARE COMPLETE. THE PERMITTEE(S)' COVERAGE UNDER THIS PERMIT TERMINATES AT MIDNIGHT ON THE SUBMISSION
- 2. TERMINATION OF COVERAGE WHEN TRANSFER OF OWNERSHIP OCCURS; ALL PERMITTEE(S) MUST SUBMIT A NOT ON A FORM PROVIDED BY THE COMMISSIONER WITHIN 30 DAYS AFTER SELLING OR OTHERWISE LEGALLY TRANSFERRING THE ENTIRE SITE, INCLUDING PERMIT RESPONSIBILITY FOR ROADS (E.G., STREET SWEEPING) AND STORWAYER INFRASTRUCTURE FINAL CLEAN OUT, OR TRANSFERRING PORTIONS OF A SITE TO ANOTHER PARTY. THE PERMITTEE(S)' COVERAGE UNDER THIS PERMIT TERMINATE AT
- MIDNIGHT ON THE SUBMISSION DATE OF THE NOT.

  3. PERMITTEE(S) MAY TERMINATE PERMIT COVERAGE PRIOR TO COMPLETION OF ALL CONSTRUCTION ACTIVITY IF ALL OF THE FOLLOWING CONDITIONS ARE MET. AFTER THE PERMIT IS TERMINATED UNDER THIS PART, IF THERE IS ANY SUBSEQUENT DEVELOPMENT ON THE REMAINING PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY WAS NOT COMPLETE, NEW PERMIT COVERAGE MUST BE OBTAINED IF THE SUBSEQUENT DEVELOPMENT ITSELF OF AS PART OF THE REMAINING COMMON PLAN OF
- DEVELOPMENT OR SALE WILL RESULT IN LAND DISTURBING ACTIVITIES OF ONE (1) OF MORE ACRES IN SIZE.

  CONSTRUCTION ACTIVITY HAS CEASED FOR AT LEAST 90 DAYS.

  AT LEAST 90 PERCENT (BY AREA) OF ALL ORIGINALLY PROPOSED CONSTRUCTION ACTIVITY HAS BEEN COMPLETED AND PERMANENT COVER ESTABLISHED IN THOSE AREAS.
- PERMANENT COVER ESTABLISHED IN THOSE ARCAS.
  ON AREAS WHERE CONSTRUCTION ACTIVITY IS NOT COMPLETE PERMANENT COVER HAS BEEN ESTABLISHED.
  THE SITE IS IN COMPLIANCE WITH PART IV.G.2 AND PART
  IV.G.3. AND WHERE APPLICABLE, PART IV.G.4. OR PART

IV.G.5. OF THE GENERAL PERMIT.

4 PERMITTERS MAY TERMINATE COVERAGE UPON APPROVAL BY THE MPCA IF INFORMATION IS SUBMITTED TO THE MPCA DOCUMENTING THAT TERMINATION IS APPROPRIATE BECAUSE THE PROJECT IS CANCELED.

### SWPPP AMENDMENTS:

THE PERMITTEE(S) MUST AMEND THE SWPPP AS NECESSARY TO INCLUDE ADDITIONAL REQUIREMENTS, SUCH AS ADDITIONAL OR MODIFIED BMPS THAT ARE DESIGNED TO CORRECT PROBLEMS IDENTIFIED OR ADDRESS SITUATIONS WHENEVER:

1. THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, MAINTENANCE, WEATHER OR SEASONAL CONDITIONS THAT HAS A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS OF UNDERGROUND WATERS.

2. INSPECTIONS OR INVESTIGATIONS BY SITE OWNER OF OPERATORS, USEPA OR MPCA OFFICIALS INDICATE THE SWPPP IS NOT

- EFFECTIVE IN FILIMINATING OR SIGNIFICANTLY MINIMIZING THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS OR UNDERGROUND WATERS OR THAT THE DISCHARGES ARE CAUSING WATER QUALITY STANDARD EXCEEDING (E.G., NUISANCE CONDITIONS AS DEFINED IN MINN. R. 7050.0210, SUBP. 2).

  3. THE SWPPP IS NOT ACHIEVING THE GENERAL OBJECTIVES OF MINIMIZING POLLUTANTS IN STORMWATER DISCHARGES
- ASSOCIATED WITH CONSTRUCTION ACTIVITY, OF THE SWPPP IS NOT CONSISTENT WITH THE TERMS AND CONDITIONS OF THIS
- A AT ANY TIME AFTER PERMIT COVERAGE IS EFFECTIVE, THE MPCA MAY DETERMINE THAT THE PROJECTS STORMWATER
  DISCHARGES MY CAUSE, HAVE REASONABLE POTENTIAL TO CAUSE, OR CONTRIBUTE TO NON-ATTAINMENT OF ANY APPLICABLE
  WATER QUALITY STANDARD, OR THAT THE SWPPP DOES NOT INCORPORATE THE APPLICABLE REQUIREMENTS IN PART III.A.8., (IMPAIRED WATERS AND TMDLS). IF A WATER QUALITY STANDARD CHANGES DURING THE TERM OF THIS PERMIT. THE MPCA WILL (IMPAIRED WAITERS AND TIMELS). IF A WAITER QUALITY STANDARD CHANGES DURING IT HE TERM OF THIS PERMIT, THE MICK MILE.

  MAKE A DETERMINATION AS TO WHETHER A MODIFICATION OF THE SWPPP IS NECESSARY TO ADDRESS THE NEW STANDARD. IF

  THE MPCA MAKES SUCH DETERMINATION(S) OF ANY OF THE DETERMINATIONS IN PARTS III.B.1.-3., THE MPCA WILL NOTIFY THE

  PERMITTEE(S) IN WRITING. IN RESPONSE, THE PERMITTEE(S) MUST AMEND THE SWPPP TO ADDRESS THE IDENTIFIED CONCERNS AND SUBMIT INFORMATION REQUESTED BY THE MPCA, WHICH MAY INCLUDE AN INDIVIDUAL PERMIT APPLICATION, IF THE MPCA'S WRITTEN NOTIFICATION REQUIRES A RESPONSE, FAILURE TO RESPOND WITHIN THE SPECIFIED TIMEFRAME CONSTITUTES A

### TEMPORARY EROSION AND SEDIMENT CONTROL BMP MAINTENANCE:

SILT FENCE: SEDIMENT MUST BE REMOVED WHERE ACCUMULATIONS REACH 1/3 THE ABOVE GROUND HEIGHT OF SILT FENCING. ANY SILT FENCING WHICH HAS BEEN UNDERMINED OR TOPPED SHALL BE CORRECTED IMMEDIATELY

ROCK CONSTRUCTION ENTRANCE:
THE STRUCTURE'S THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSION BY ADDING ROCK, A STOCKPILE OF ROCK MATERIAL SHALL BE MAINTAINED ON THE SITE FOR THIS PURPOSE.

DITCH CHECKS: SEDIMENT MUST BE REMOVED FROM ROCK FILTER OUTLETS WHEN ACCUMULATIONS REACH 1/3 THE HEIGHT OF THE OUTLET, SHALL BE MAINTAINED UNTIL THE TRIBUTARY AREAS HAVE ESTABLISHED GROUND COVER.

INLET PROTECTION FILTER BAG INSERT:
REMOVE THE FILTER BAG AND DISPOSE OF SEDIMENT WHEN ACCUMULATIONS REACH 1/2 OF THE STORAGE OF THE BAG.

DISPOSAL OF REMOVED SEDIMENT: SHALL BE PLACED AWAY FROM THE BMP THAT IS BEING MAINTAINED, AND HAS NO CHANCE OF WASHING RIGHT BACK TO IT WITH THE NEXT RAIN. IF SPREAD OVER A SLOPE, IT MUST BE (AT LEAST TEMPORARILY) STABILIZED. IF PILED WITHIN 200 FEET OF A WATER OF THE STATE, IT MUST BE ENCLOSED AND/OR STABILIZED TO PREVENT DISCHARGE INTO THE WATER OF THE STATE.

DISPOSAL OF REMOVED MATERIAL:
TRASH AND DEBRIS REMOVED FROM THE SITE SHOULD BE DEPOSITED ONLY AT SUITABLE DISPOSAL/RECYCLING SITES AND MUST COMPLY
WITH APPLICABLE LOCAL, STATE, AND FEDERAL WASTE REGULATIONS.

### CONSTRUCTION ACTIVITY NOTES:

- INSTALL SANITARY AND WATERMAIN
- INSTALL SANITARY & WATER SERVICES
- INSTALL PAVEMENTS/CURBS/GUTTER

- INSTALL PAWEMENTS/CURBS/GUTTER
  INSTALL PERMANENT EROSION CONTROL AND SEED MIXTURES/EROSION CONTROL BLANKET
  FLUSH STORM SEWER IF APPLICABLE
  REMOVE TEMPORARY EROSION CONTROL MEASURES ONLY AFTER ALL PAVEMENTS HAVE BEEN INSTALLED AND ALL SOILS HAVE BEEN STABILIZED.
- PROPERTY OWNERS ARE RESPONSIBLE LONG TERM AND/OR ON-GOING BMPS FOR EACH PROPERTY/LOT

### SPECIFIC REQUIREMENTS INCLUDING INSPECTION AND MAINTENANCE:

THE CONTRACTOR MUST IDENTIFY AN EROSION CONTROL SUPERVISOR (ECS) WHO IS KNOWLEDGEABLE AND EXPERIENCE IN THE APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS). THE ECS MUST WORK WITH THE PROJECT ENGINEER TO OVERSEE AND IMPLEMENT THE SWPPP AND THE INSTALLATION, INSPECTION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL BMPS BEFORE DURING AND AFTER CONSTRUCTION. THE CONTRACTOR/ECS IS REQUIRED TO COMPLY WITH THE TRAINING REQUIREMENTS IN PART 21.1-21.3 OF THE NPDES/SDS PROGRAM MNR100001

THE CONTRACTOR/ECS SHALL DEVELOP A CHAIN OF RESPONSIBILITY WITH ALL OPERATORS ON THE SITE TO ENSURE THAT THE SWPPP WILL BE IMPLEMENTED AND STAY IN EFFECT UNTIL THE PROJECT SITE HAS UNDERGONE FINAL STABILIZATION IN ACCORDANCE WITH PART 13.1 OF THE NPDES PERMIT AND A NOTICE OF TERMINATION (NOT) HAS BEEN SUBMITTED TO THE MPCA



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PLAINVIEW OFFICE 320 WEST BROADWAY PLAINVIEW, MN 55964

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hereby certify that thi plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed

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Sheet 13 of 14

### SPECIFIC REQUIREMENTS: (CONTINUED)

THE CONTRACTORIECS MUST ROUTINELY INSPECT THE ENTIRE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN DAYS DURING ACTIVE CONSTRUCTION AND WITHIN 24 HOURS AFTER A RAINFALL EVENT GREATER THAN 0.5 INCH IN 24 HOURS, THE CONTRACTOR SHALL TAKE ACTION TO ELIMINATE ANY DEFICIENCIES FOUND DURING THESE INSPECTIONS AND CONTACT THE WPCA IF CONTAMINATED STORMWATER HAS REACHED ANY SURFACE WATER. THE CONTRACTOR MUST PROVIDE 2 RAIN GAUGES TO BE INSTALLED ON THE CONSTRUCTION SITE. INSPECTIONS, MAINTENANCE AND DOCUMENTATION MUST BE IN ACCORDANCE WITH THE NPDES PERMIT PART IV.E. SEE PART III.D OF THE NPDES PERMIT FOR RECORD RETENTION REQUIREMENTS. COPIES OF THE INSPECTION RECORDS ARE TO BE SUBMITTED TO THE ENGINEER. DRAINAGE CALCULATIONS ARE RETAINED IN THE PROJECT

THE CONTRACTORIECS OR PROJECT ENGINEER MUST AMEND THE SWPPP AS NECESSARY TO INCLUDE ADDITIONAL REQUIREMENTS, SUCH AS ADDITIONAL OR MODIFIED BMPS, DESIGNED TO CORRECT PROBLEMS OR ADDRESS SITUATIONS IN ACCORDANCE WITH PART 6.1-6.4 OF THE NPDES/SDS PROGRAM MNR100001.

### SEDIMENT CONTROL PRACTICES:

THE CONTRACTOR/ECS IS RESPONSIBLE FOR THE SEDIMENT CONTROL PRACTICES CONTAINED IN PART 9.1 OF THE NPDES RMIT. SEDIMENT CONTROL PRACTICES MUST BE INSTALLED ON ALL DOWN GRADIENT PERIMETERS BEFORE ANY PRACTICES MUST BE INSTALLED ON ALL DOWN GRADIENT PERIMETERS BEFORE ANY PRACTICES MUST BE INSTALLED ON ALL DOWN GRADIENT PERIMETERS BEFORE ANY PRACTICES BEFORE B FOR SLOPES WITH A GRADE OF 3:1 OR STEEPER. THESE PRACTICES MUST REMAIN IN PLACE UNTIL FINAL STABILIZATION HAS BEEN ESTABLISHED IN ACCORDANCE WITH PART 9.1 TO 9.8 OF THE NPDES PERMIT.

PERIMETER CONTROL BMPS SHALL BE INSTALLED ON ALL DOWN GRADIENT PERIMETERS AND UP GRADIENT OF ANY BUFFER AREA, PRIOR TO INITIATING UP GRADIENT LAND DISTURBANCE ACTIVITIES, UPLAND PERIMETER CONTROLS BMPS SHALL ABE PLACED AS CLOSE AS POSSIBLE TO FOLLOW A SINGLE CONTOUR ELEVATION. ALL SILT FENCES BUST BE REPAIRED, REPLACED, OR MAINTAINED WHEN THEY REMOVE NONFUNCTIONAL OR THE SEDIMENT REACHES 1/2 THE HEIGHT OF THE FENCE. ALL ON MAINTAINED WHEN THE REMOVE NONFORCHONAL OR THE SEDIMENT REACHES 1/2 THE REIGHT OF THE FERCE. ALL REPAIRS MUST BE COMPLETED BY THE END OR THE NEXT BUSINESS DAY AFTER DISCOVERY, OR AS SOON AS FIELD CONDITIONS ALLOW ACCESS, FLOATING SILT CURTAIN SHALL BE INSTALLED AS CLOSE TO THE SHORELINE AS POSSIBLE FOR SHORELAND/IN-WATER SHORT-TERM CONSTRUCTION ACTIVITIES. AFTER THE SHORT-TERM ACTIVITY IS COMPLETE, AN UPLAND PERIMETER CONTROL MUST BE INSTALLED IF EXPOSED SOILS CONTINUE TO DRAIN TO THE SURFACE WATER

SURFACE WATERS INCLUDING OFF-SITE AND DOWNSTREAM DRAINAGE DITCHES, CATCH BASINS, AND CONVEYANCE SYSTEMS, MUST BE INSPECTED FOR EVIDENCE OF EROSION AND SEDIMENT DEPOSITION. THE REMOVAL AND STABILIZATION OF EXPOSED SOILS MUST TAKE PLACE WITHIN SEVEN (7) DAYS OF DISCOVERY UNLESS PRECLUDED BY LEGAL, REGULATORY, OF PHYSICAL ACCESS CONSTRAINTS. IF PERMITTEES ARE RESPONSIBLE FOR CONTRACTING ALL LOCAL, REGIONAL, STATE, AND FEDERAL AGENCIES AND RECEIVING AND APPLICABLE PERMITS, PRIOR TO CONDUCTING ANY WORK.

F THE DOWN GRADIENT TREATMENT SYSTEM IS OVERLOADED, ADDITIONAL UP GRADIENT SEDIMENT CONTROL PRACTICES OR REDUNDANT BMPS MUST BE INSTALLED TO ELIMINATE THE OVERLOADING. AND THE SWPPP MUST BE AMENDED TO IDENTIFY THESE ADDITIONAL PRACTICES.

ALL STORM DRAIN INLETS MUST BE PROTECTED BY APPROPRIATE BMPS DURING CONSTRUCTION UNTIL ALL SOURCES WITH POTENTIAL FOR DISCHARGING TO THE INLET HAVE BEEN STABILIZED. INLET PROTECTION CAN BE REMOVED IF A SPECIFIC SAFETY CONCERN HAS BEEN IDENTIFIED AND THE PROCEDURE IN PART 9.6-9.8 OF THE NPDES/SDS PROGRAM MNR100001 IS

TEMPORARY SOIL STOCKPILES MUST HAVE SILT FENCE OR OTHER EFFECTIVE SEDIMENT CONTROLS AND CANNOT BE PLACED IN SURFACE WATERS, INCLUDING STORM WATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS, OR CONDUIT AND DITCHES UNLESS THERE IS A BYPASS FOR STORMWATER.

VEHICLE TRACKING OF SEDIMENT FROM THE CONSTRUCTION SITE MUST BE MINIMIZED BY BMPS SUCH AS STONE OR WOOD CHIP PADS, CONCRETE OR STEEL WASH RACKS, OR EQUIVALENT SYSTEMS. STREET SWEEPING WITH COLLECTION MUST BE USED IF SUCH BMPS ARE NOT ADEQUATE TO PREVENT SEDIMENT FORM BEING TRACKED ONTO THE STREET (SEE PART 9.11-9.12 OF THE NPDES/SDS PROGRAM MNR10000)

DEWATERING RELATED TO THE CONSTRUCTION ACTIVITY MUST COMPLY WITH PART 10.1-10.5 OF THE NPDES/SDS PROGRAM MNR10000. DEWATERING DISCHARGE THAT MAY HAVE TURBID OR SEDIMENT LADEN DISCHARGE MUST BE DISCHARGED TO A TEMPORARY OR PERMANENT SEDIMENTATION BASIN ON THE PROJECT SITE WHENEVER POSSIBLE AND BMPS MUST BE IMPLEMENTED TO PREVENT WATER CONTAINING SEDIMENT OR OTHER POLITUIANTS FROM BEING DISCHARGED TO A WATER OF THE STATE. CONTRACTOR MAY CONSTRUCT TEMPORARY SEDIMENTATION BASINS IN ACCORDANCE WITH PART 14.1-14.10 OF THE NPDES/SDS PROGRAM MNR10000

### **EROSION PREVENTION PRACTICES:**

THE CONTRACTOR/ECS IS RESPONSIBLE FOR THE EROSION PREVENTION PRACTICES CONTAINED IN PART 8.1 OF THE NPDES PERMIT. THE CONTRACTOR/ECS MUST PLAN FOR AND IMPLEMENT APPROPRIATE CONSTRUCTION PHASTING, VEGETATION BUFFER STRIPPS, HORIZONTAL SLOPE GRADING AND OTHER CONSTRUCTION PACTICES THAT MINIMIZE EROSION. THE LOCATION OF AREAS NOT TO BE DISTURBED MUST BE DELINEATED (MARKED) ON THE DEVELOPMENT SITE REFORE WORK

CONSTRUCTION OF SILT FENCE AND ALL OTHER EROSION CONTROL MEASURES SHALL BE COMPLETE BEFORE OTHER CONSTRUCTION ACTIVITY OCCURS.

USE PHASED CONSTRUCTION WHENEVER PRACTICAL AND ESTABLISH TURF AS SOON AS POSSIBLE TO MINIMIZE SEDIMENT

THE CONTRACTOR SHALL INSPECT THE CONSTRUCTION SITE ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS AFTER RAIN THE CONTRACTOR SHALL INSPECT THE CONSTRUCTION SITE ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS AFTER RAIN EVENTS FOR DAMAGE TO EROSION CONTROL DEVICES ARE DISCOVERED, THEY SHALL BE REPAIRED OR REPLACED. THE CONTRACTOR SHALL MAINTAIN INSPECTION RECORDS, WHICH INCLUDE DATE AND TIME OF INSPECTIONS, DATES OF RAINFALL EVENTS, RAINFALL AMOUNT, FINDINGS OF INSPECTIONS, CORRECTIVE ACTIONS TAKEN (INCLUDING DATES AND TIMES) AND DOCUMENTATION OF ANY CHANGES TO THE TEMPORARY OR PERMANENT EROSION CONTROL PLANS MADE DURING CONSTRUCTION.

ALL EXPOSED SOIL AREAS MUST BE STABILIZED AS SOON AS POSSIBLE TO LIMIT SOIL EROSION AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED BUT IN NO CASE LATER THAN THE

THE AREA CAN REMAIN OREN MITHOUT BEING ACTIVE VINORVER

	TIME AREA CAN REMAIN OPEN WIT	HOUT BEING ACTIVELY WORKED
TYPE OF SLOPE OR DISTURBANCE AREA	NORMAL WATER	SPECIAL/IMPAIRED WATER
STEEPER THAN 3:1	14 DAYS	7 DAYS
10:1 TO 3:1	14 DAYS	7 DAYS
FLATTER THAN 10:1	14 DAYS	7 DAYS
DITCHES	14 DAYS	7 DAYS
PIPE ENDS	1 DAY	1 DAY
WITHIN 200 FEET OF SURFACE WATER	1 Day	1 Day

THE NORMAL WETTED PERIMETER OF ANY TEMPORARY OR PERMANENT DRAINAGE DITCH OR SWALE THAT DRAINS WATER FROM ANY PORTION OF THE CONSTRUCTION SITE, OR DIVERTS WATER AROUND THE CONSTRUCTION SITE, MUST BE STABILIZED WITHIN 200 LINEAL FEET FROM THE PROPERTY EDGE, OR FORM THE DISCHARGE INTO ANY SURFACE WATER. STABILIZATION MUST BE COMPLETE WITHIN 24 HOURS AFTER CONNECTION TO A SURFACE WATER.

RAPID STABILIZATION METHOD #1: THIS METHOD SHALL CONSIST OF TYPE 1 MULCH (2 TON PER ACRE) WITH DISC ANCHORING BE SPREAD IN AREAS THAT HAVE BEEN UNWORKED FOR 14 DAYS. THIS METHOD SHALL BE USED ON SLOPES OF 3:1 AND LESS. OPERATOR MUST APPLY MULCH IN A UNIFORM PATTERN OVER THE DISTURBED SOILS TO ACHIEVE A MINIMUM OF 90% GROUND

RAPID STABILIZATION METHOD #2: THIS WORK SHALL CONSIST OF OPERATIONS NECESSARY TO RAPIDLY STABILIZE SMALL CRITICAL AREA WITHIN 200 FEET OF SURFACE WATERS, TO PREVENT OFF SITE SEDIMENTATION AND OR TO COMPLY WITH PERMIT REQUIREMENTS. INSTALL PER MNDOT SPECIFICATIONS 2575.3N.

RAPID STABILIZATION METHOD #3: THIS METHOD SHALL CONSIST OF CATEGORY 3 EROSION CONTROL BLANKET (NATURAL NET ONLY) IN COMBINATION WITH MNDOT SEE MIX 22-111 (2 LBS PER 100 SQ. YD.) AND TYPE 3 SLOW RELEASE FERTILIZER (8LBS PER 100 SQ. YD.) THIS IS AN ACCEPTABLE BMP FOR DISTURBED AREAS ADJACENT TO ENVIRONMENTALLY SENSITIVE AREAS. SURFACE WATERS, AND WITHIN THE LAST 200 FEET OR DITCH BOTTOMS.

### **EROSION PREVENTION PRACTICES:**

SOURCELO MIN.
MINDOT SEED MIX AND/OR SOD WITH APPROPRIATE MINDOT FERTILIZER WILL BE USED AS PERMANENT COVER FOR ALL EXPOSED GROUND AREAS PER MANUFACTURERS SPECIFICATIONS. PERMANENT COVER SHALL HAVE 4\* MINIMUM TOPSOIL, SEED MIX, AND DISK ANCHOR, OR 4" MINIMUM TOPSOIL AND SOD, REQUIRED ON ALL SLOPE LONGER THAN 200' OR GREATER THAN 5.0%.

EROSION CONTROL BLANKET: A MNDOT CLASSIFIED EROSION CONTROL BLANKET SHALL BE ADDED IN COMBINATION WITH SEED MIX/FERTILIZER TO ALL AREAS SLOPED AT 4:1 OR GREATER AND 4:1 SLOPES LONGER THAN 30', HIGH PRIORITY AREAS, AS WELL AS IN OR NEAR DITCH BOTTOMS TO ESTABLISH PERMANENT EROSION CONTROL

TEMPORARY WINTER COVER:
AREAS OF EXPOSED SOILS THAT ARE NOT COMPLETED BEFORE THE WINTER WILL BE STABILIZED WITH TYPE #3MULCH(CERTIFIED AS WEED FREE) ADJACENT TO WETLAND OR STORMWATER PONDS. ALL OTHER DISTURBED AREAS SHALL BE STABILIZED WITH TYPE #1 MULCH. ALL EXPOSED SOILS SHALL BE STABILIZED BEFORE CONSTRUCTION IS COMPLETED FOR THE SEASON.

NOTE
SEED SHALL BE MN/DOT MIXTURE 25-131 AT A PLS RATE OF 220 LBS/ACRE AND SHALL BE PLACED IN ACCORDANCE WITH MIN/DOT 2575. SEED SHALL MEET MIN/DOT SPECIFICATION 3876. SEED SHALL BE APPLIED AT A RATE OF 100 LBS/ACRE. MULCH SHALL BE MIN/DOT TYPE I MULCH. MULCH SHALL BE APPLIED AT A RATE OF 2.0 TONS/ACRE. MULCH SHALL BE DISC ANCHORED. FERTILIZER SHALL BE APPLIED TO SEEDED AREAS AS INCIDENTAL TO SEEDING. FERTILIZER SHALL BE A 22-5-10 (%N-P-K) APPLIED AT A RATE OF 300 LBS/ACRE.

### CONSTRUCTION PRACTICES TO MINIMIZE STORM WATER CONTAMINATION:

POTENTIAL SOURCES OF POLLUTANTS FROM CONSTRUCTION ACTIVITIES INCLUDE: SEDIMENT AND FUGITIVE DUST GENERATED FROM CLEARING AND GRUBBING, IMPORT/EXPORT OPERATIONS.
REMOVAL/COMPACTION, MASS/FINE GRADING, EXCAVATIONS, TRENCHING, TOPSOIL STRIPING STOCKPILING, WET/DRY
PAVEMENT REMOVALS/COMPACTION, MASS/FINE GRADING, EXCAVATIONS, TRENCHING, TOPSOIL STRIPING STOCKPILING, WET/DRY PAVEMENT CUTTING, STREET CONSTRUCTION.

BASIC/ACIDIC PHILEVELS FROM CURB AND GUTTER, MANHOLE STRUCTURES, SIDEWALKS, DRIVEWAY APRONS FOUNDATIONS, BRIDGE ABUTMENTS, WET/DRY PAVEMENT CUTTING, MASONRY WASHOUT/CLEANOUT, EXCESS NUTRIENTS FROM LANDSCAPING INSTALLATIONS, SOIL ADDITIVES, FERTILIZATION, MULCHING HYDROCARBONS FROM STREET CONSTRUCTION, DEMOLITION/REMOVALS, WET/DRY PAVEMENT CUTTING

OPERATOR WILL COMPLY WITH ALL OF THE POLLUTION PREVENTION AND MANAGEMENT MEASURES IDENTIFIED IN THE PART 12.1-12.8 OF THE NPDES/SDS PROGRAM MNR10000. IN ADDITION, THE OPERATOR WILL COMPLY WITH STATE RULE 7011.0150 ON DUST PREVENTION REQUIREMENTS. OPERATOR WILL SUBMIT A SPILL PREVENTION AND RESPONSE PLAN (SPRP) TO THE ENGINEER PRIOR TO ANY CONSTRUCTION ACTIVITY, STORAGE AND DISPOSAL OF CONSTRUCTION AND HAZARDOUS WASTES MUST BE IN COMPLIANCE WITH MPCA REGULATIONS.

TEMPORARY/PERMANENT DRAINAGE DITCHES & SWALES: THE NORMAL WETTED PERIMETER (2-YEAR, 24-HOUR PRECIPITATION EVENT) OF ANY TEMPORARY OR PERMANENT DRAINAGE DITCH, CHANNEL, OR SWALE THAT DRAINS WATER FROM ANY PORTION OF THE CONSTRUCTION SITE, OR DIVERTS WATER AROUND THE SITE, MUST BE STABILIZED WITHIN THE LAST 200 LINER FEET FROM THE PROPERTY EDGE, OR FROM THE POINT OF DISCHARGE INTO ANY SURFACE WATER WITH 24 HOURS OF CONNECTION. THE REMAINING PORTIONS OF THE CHANNEL MUST BE STABILIZED WITHIN 14 DAYS. ALL STORMWATER CONVEYANCE CHANNELS MUST USE EROSION CONTROL AND VELOCITY DISSIPATION DEVICES WITH AND ALONG THE LENGTH OF THE CHANNEL AND AT ANY OUTLETS. TEMPORARY OR PERMANENT DITCHES OR SWALES THAT ARE BEING USED AS A TEMPORARY SEDIMENT CONTAINMENT SYSTEM (WITH PROPERLY DESIGNED ROCK DITCH CHECKS, BIO ROLLS, SILT DIKES ETC.) DO NOT NEED TO BE STABILIZED. THESE AREAS MUST BE STABILIZED WITHIN 24 HOURS AFTER NO LONGER BEING USED AS A SEDIMENT CONTAINMENT SYSTEM MULCH, HYDROMULCH, TACKIFIER, OR POLYACRYLAMIDE BELOW THE WETTED PERIMETER OF A DITCH, SWALE, OR OTHER SURFACE WATER CONVEYANCE ARE NOT ACCEPTABLE

STOCKPILES SHOULD BE CONSTRUCTED AWAY FROM SLOPES AND NATURAL DRAINAGE WAYS.

COLLECTED SOLID WASTE (SEDIMENT, ASPHALT AND CONCRETE MILLINGS, FLOATING DEBRIS, PAPER, PLASTIC, FABRIC, CONSTRUCTION AND DEMOLITION DEBRIS) AND OTHER WASTES MUST BE DISPOSED OF PROPERLY AND MUST COMPLY

NO CONSTRUCTION MATERIALS CAN BE BURIED ON SITE.

LICENSED SANITARY WASTE MANAGEMENT HANDLER MUST DISPOSE OF SANITARY WASTE.

CONCRETE WASHOUT OPERATIONS MUST BE CONTAINED IN A LEAK PROOF CONTAINMENT FACILITY OR IMPERMEABLE LINER AND MUST BE PERFORMED IN ACCORDANCE WITH PART 12.9 OF THE NPDES/SDS PROGRAM MNR10000

FERTILIZERS MUST BE STORED IN COVERED LOCATIONS.

RESTRICTED ACCESS TO CHEMICAL STORAGE AREAS MUST BE PROVIDED TO PREVENT VANDALISM.

ALL CHEMICALS MUST BE STORED IN LOCKED CONTAINERS WHEN NOT IN USE.

SPRAY GUNS MUST BE CLEANED ON REMOVABLE SURFACES SUCH AS TARPAULINS.

CONTRACTOR/EROSION CONTROL SUPERVISOR MUST MAKE A SPILL RESPONSE PLAN BEFORE THE APPLICATION OF ANY CHEMICAL THAT MAY BE HARMFUL TO THE ENVIRONMENT

ALL SPILLS MUST BE REPORTED IMMEDIATELY. SPILL CLEANUP MATERIALS MUST BE AVAILABLE ON SITE. MATERIAL SHALL INCLUDE, BUT NOT LIMITED TO, BROOMS, MOPS, RAGS, GLOVES, ABSORBENT MATERIAL, SAND PLASTIC AND METAL CONTAINERS. SPILLS THAT REACH STORM WATER CONVEYANCE SYSTEMS CONNECTED TO A WATER OF THE STATE MUST BE IMMEDIATELY REPORTED TO THE MPCA STATE DUTY OFFICER.

FRACTOR MUST CONTROL WEEDS ON THE ENTIRE PROJECT SITE.

OIL. GASOLINE, PAINT AND ANY HAZARDOUS SUBSTANCES MUST BE PROPERLY STORED, INCLUDING SECONDARY CONTAINMENT, TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE

STORAGE AND DISPOSAL OF HAZARDOUS WASTE MUST BE IN COMPLIANCE WITH MPCA REGULATIONS.

VEHICLES MUST BE MONITORED FOR LEAKS AND PREVENTATIVE MAINTENANCE SCHEDULED. SPILL KITS MUST BE AVAILABLE DURING EQUIPMENT FUELING AND MAINTENANCE OPERATIONS.

EXTERNAL WASHING OF TRUCKS AND OTHER CONSTRUCTION VEHICLES MUST BE LIMITED TO A DEFINED AREA OF THE SITE. RUNOFF MUST BE CONTAINED AND WASTE PROPERLY DISPOSED OF. NO ENGINE DEGREASING IS ALLOWED ON SITE.

ASPHALT SUBSTANCES MUST BE APPLIED ACCORDING TO MANUFACTURES RECOMMENDATIONS.

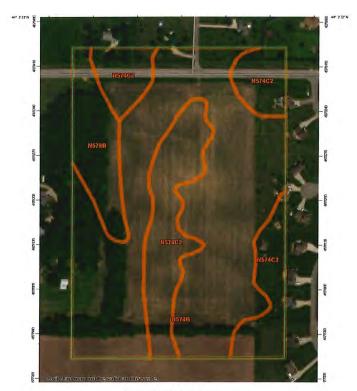
FORM RELEASE OIL MUST BE APPLIED OVER A PALLET COVERED WITH ABSORBENT MATERIAL TO COLLECT EXCESS FLUID. THE ABSORBENT MATERIAL SHALL BE REPLACED WHEN SATURATED.

DUST CONTROL: THE CONTRACTOR IS REMINDED TO READ AND UNDERSTAND THE FOLLOWING MINNESOTA RULE 7011.0150
AND THE FOLLOWING: NO PERSON MAY CAUSE OR PERMIT THE HANDLING, TRANSPORTING OR STORING OF ANY MATERIAL
IN A MANNER WHICH ALLOWS OR MANY ALLOW CONTROLLABLE PARTICULATE MATTER TO BECOME AIRBORNE. EXCEPT AS OTHERWISE PROVIDED THE CONTRACTOR MAY NOT CAUSE NOR PERMIT THE CONSTRUCTION, REPAIR, DEMOLITION, OR USE OF UNPAVED OR UNTREATED AREAS WITHOUT FIRST PUTTING INTO EFFECT AN ONGOING PROGRAM USING THE BEST PRACTICAL METHODS TO PREVENT PARTICULATE MATTER FORM BECOMING AIRBORNE, DUST FROM THE SITE WILL BE CONTROLLED BY INCREASED STREET SWEEPING AND/OR USING A MOBILE PRESSURE-TYPE DISTRIBUTOR TRUCK TO APPLY POTABLE WATER TO DISTURBED ARES, THE MOBILE UNIT WILL APPLY WATER AT A RATE NECESSARY TO PREVENT RUNOFF



# WETLAND MAP

Map Unit Symbol	Map Unit Hame	Acres in AOI	Percent of AOI
NET AS	Downs-Harney complex 2 to 6 persent slopes	74.4	59 6%
NE74C2	Downs Hensey complex, 6 to 12 percent slopes, moderately eroded	126	30 7%
N5780	Barremits sittlown, dramageway, 1 to 5 percent slopes, occasionally flooded	40	9 7%
Totals for Area of Interest		40.9	100.0%



SOILS MAP

NSE∳M∱SSE

LEGEND

DISCHARGE POINTS

200 FOOT BUFFER AREA

HIGHLY ERODIBLE LAND

DITCHES AND STREAMS

PROJECT AREA

1 MILE BUFFER AREA

DNR PUBLIC WATERS

0

PH. NO. 507-634-4505 LANS@WSE.ENGINEERIN ww.wse.engineering POTENTIALLY HIGHLY ERODIBLE LAN

KASSON OFFICE P.O. BOX 100 33 B E VETERANS MEMORIAL HIGHWAY KASSON, MN 55944

PLAINVIEW OFFICE 320 WEST BROADWAY SUITE 3 PLAINVIEW, MN 55964

ROCHESTER OFFICE 1712 RESTORATION DRIVE SW ROCHESTER, MN 55902

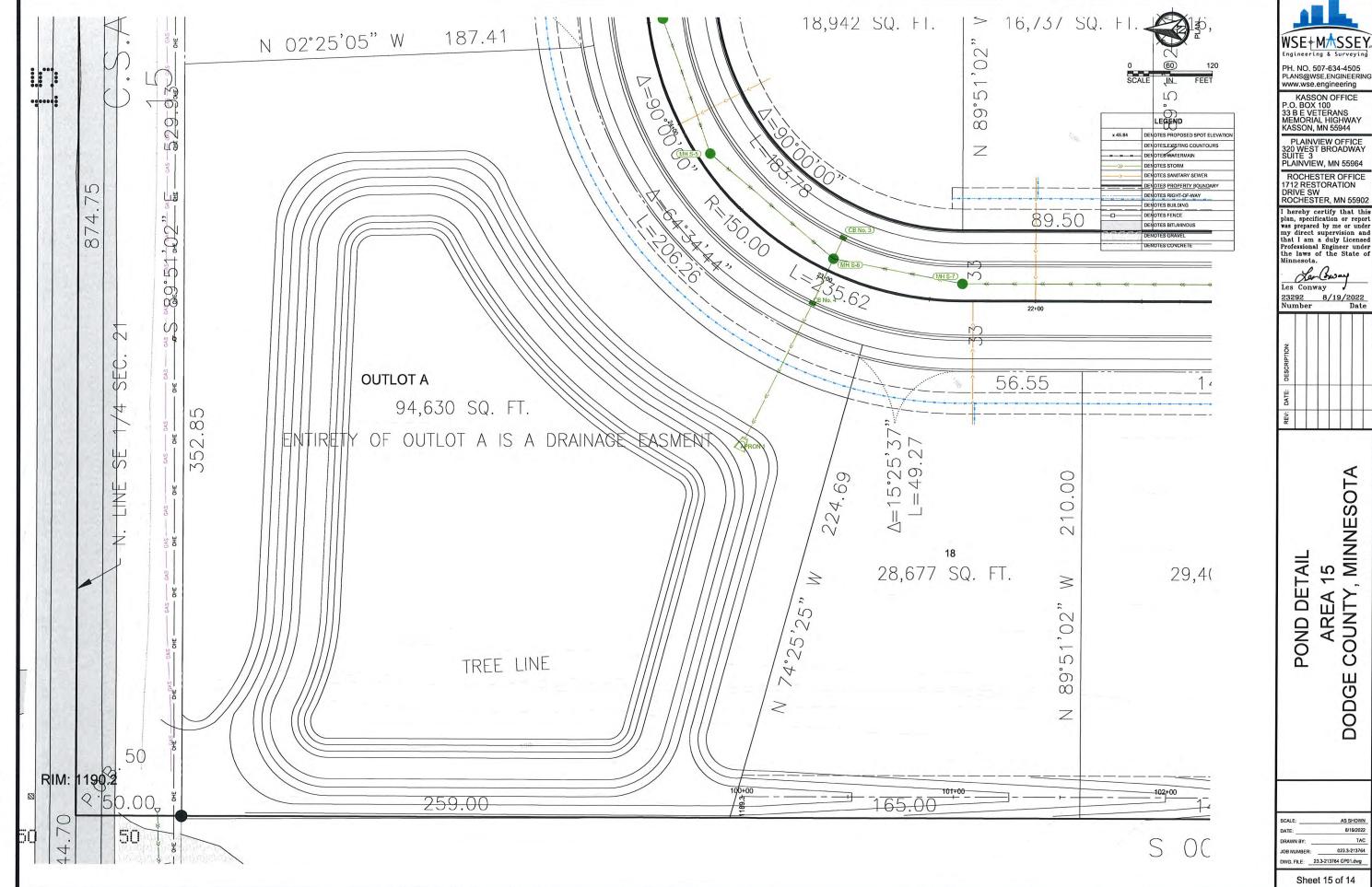
I hereby certify that this plan, specification or report pian, specification or rep was prepared by me or un my direct supervision ar that I am a duly License the laws of the State of Len Coway

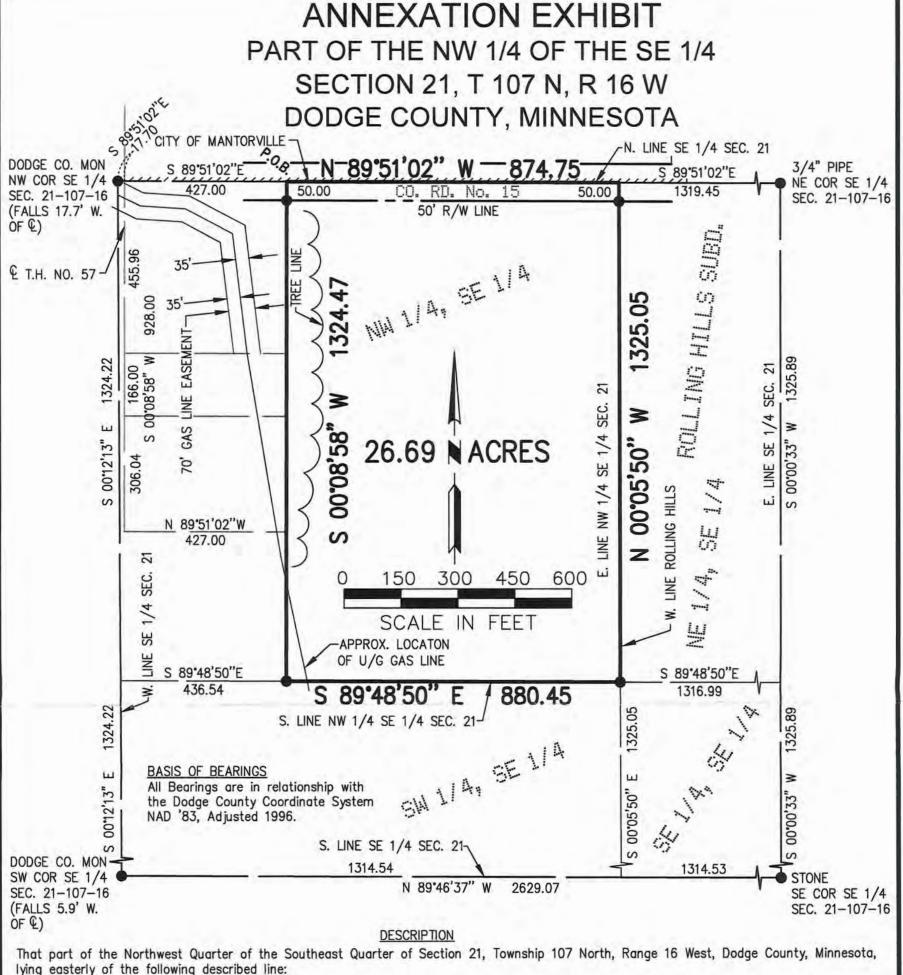
Les Conway 23292 8/19/2022

> NNESOT 15 M SWPP REA OUNTY 1 C C 0

AS SHOW 8/19/202 023,3-213764 DWG, FILE: 23.3-213764 SWPPP0

Sheet 14 of 14





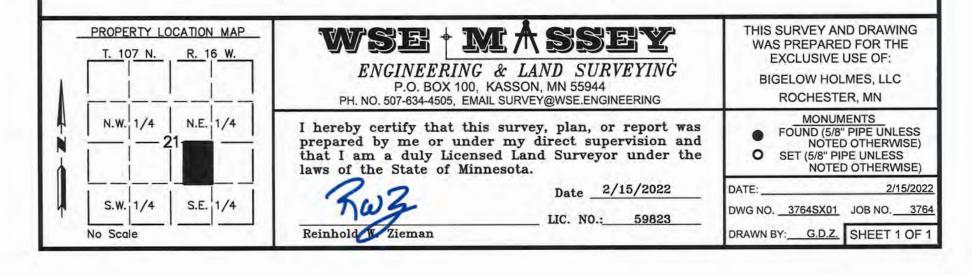
lying easterly of the following described line:

Commencing at the northwest corner of the Southeast Quarter of said Section 21; thence North 89 degrees 51 minutes 02 seconds East (NOTE: All bearings are in relationship with the Dodge County Coordinate System NAD '83, Adjusted 1996), 17.7 feet to the intersection of Trunk Highway No. 57 and County Aid Road V (now C.S.A.H. No. 15); thence running in an easterly direction North 89 degrees 51 minutes 02 seconds East, along the Centerline of said C.S.A.H. No. 15 (formerly County Aid Road V) and the north line of the Northwest Quarter of the Southeast Quarter of said Section 21 a distance of 427.00 feet to the POINT OF BEGINNING of said line; thence running southerly at an angle of 90 degrees to the last described line South 00 degrees 08 minutes 58 seconds West, 1324.47 feet to the south line of said Northwest Quarter of the Southeast Quarter and said line there terminating.

Containing 26.69 acres, more or less.

Subject to County Road No. 15 right of way over the north 50.00 feet thereof.

Subject to an easement for an underground natural gas line and is subject to any other easements or encumbrances of record.



### **Exhibit A**

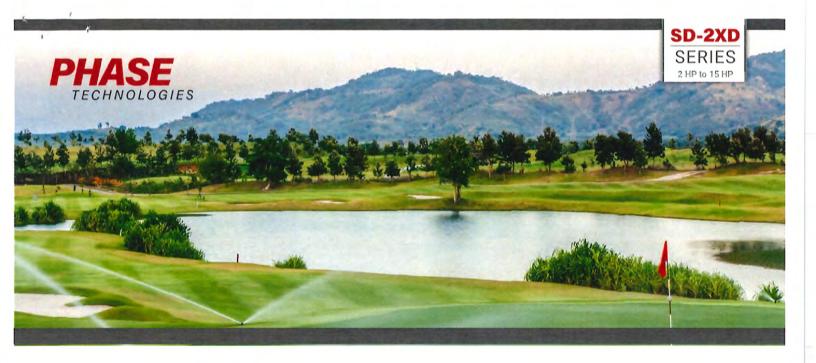
That part of the Northwest Quarter of the Southeast Quarter of Section 21, Township 107 North, Range 16 West, Dodge County, Minnesota, lying easterly of the following described line:

Commencing at the northwest corner of the Southeast Quarter of said Section 21; thence North 89 degrees 51 minutes 02 seconds East (NOTE: All bearings are in relationship with the Dodge County Coordinate System NAD '83, Adjasted 1996), 17.7 feet to the intersection of Trunk Highway No. 57 and County Ald Road V (now C.S.A.H. No. 15); thence running in an easterly direction North 89 degrees 51 minutes 02 seconds East, along the Centerline of said C.S.A.H. No. 15 (formerly County Ald Road V) and the north line of the Northwest Quarter of the Southeast Quarter of said Section 21 a distance of 427.00 feet to the POINT OF BEGINNING of said line; thence running southerly at an angle of 90 degrees to the last described line South 00 degrees 08 minutes 58 seconds West, 1324.47 feet to the south line of said Northwest Quarter of the Southeast Quarter and said line there terminating.

Containing 26.69 acres, more or less.

Subject to County Road No. 15 right of way over the north 50.00 feet thereof.

Subject to an easement for an underground natural gas line and is subject to any other easements or encumbrances of record,





# **SD-2XD** SERIES

VARIABLE FREQUENCY DRIVE

Phase Converting | Voltage Doubling

INTUITIVELY -ENGINEERED



# Intuitive VFDs - Specifically Designed For Pumping

### Simple Installation

 Standard input filters and optional output filters facilitate a quick and effortless installation

### Perfect Pressure™ Programming

· User-friendly constant pressure setup wizard

### EXCLUSIVE! Voltage Doubling VFDs

- Convert 240V single/three-phase to 480V three-phase power
- · Big cost savings for long-lead or deep well applications

### Rugged & Reliable Engineering

· Designed with quality, serviceability, and performance in mind

# SD SERIES Phase Converting VFDs

Phase Technologies has designed a simple, phase converting solution for residential and light commercial constant pressure installations (2-10 HP). The SD product line offers simple setup, rugged hardware, NEMA Type 3R enclosures, and a top-of-the-line oil-filled pressure transducer.

System setup with Perfect Pressure" requires only a few minutes and is capable of controlling the most complicated pump systems with ease.

The SD and 2XD Series VFDs control pressure consistently regardless of demand. The pump system runs smoothly with fewer instances of short cycling.

# Simple Keypad & Easy Setup

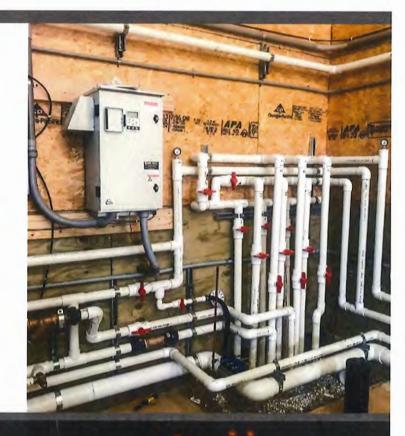


- · Identical keypad & setup on all models
- · Bright & readable screen
- · Prompts & messages in clear language
- Perfect Pressure<sup>™</sup>
   Quick and easy constant pressure setup

### Locking Enclosure & Keypad Cover

Safe and secure from tampering





# Rugged Design For Any Outdoor Application

**SD-2XD** SERIES

The need for water doesn't stop just because the weather changes. All Phase Technologies products are designed capable of withstanding extreme environmental conditions.

NEMA 3R Outdoor Enclosures | 122° F (50° C) | Easy Field Serviceability | Locking Enclosures



**2XD** SERIES

Phase Converting & Voltage Doubling VFDs

# Significant Cost Savings 2XD Series Estimated Motor Cable Savings Unmatched Power

Voltage doubling is an innovation developed and patented by Phase Technologies that converts 208V/240V single-phase or three-phase power to nominal 480V three-phase power. If you've installed submersible pumps you know motor cable is a costly expense.

With our robust phase converting VFD systems, the efficiency, motor cable cost savings of 480V three-phase motors can be realized without the cost and time required to upgrade the utility service.



480V 3-Phase Savings 5 HP Wire size Wire size 5 HP Savings 500 ft 8 AWG \$635 14 AWG \$415 \$220 1000 ft \$2,690 10 AWG \$850 \$1,840 1500 ft. 2 AWG \$6,375 8 AWG \$1,905 \$4,470 7.5 HP Wire size 7.5 HP Savings Wire size Cost Cost 500 ft 6 AWG \$950 12 AWG \$300 \$650 1000 ft 4 AWG \$2,690 10 AWG \$850 \$1.840 1500 ft. 2 AWG \$6,375 8 AWG \$1,905 \$4,470 10 HP Wire size Cost Wire size Cost 10 HP Savings \$950 12 AWG \$650 500 ft 6 AWG \$300 \$4,250 8 AWG 1000 ft \$2,980 1500 ft 0 AWG \$11,400 6 AWG \$2,850 \$8.550 15 HP Savings 15 HP Wire size Cost Wire size Cost 500 ft 4 AWG \$1,345 10 AWG \$425 \$920

6 AWG

4 AWG

\$1,900

\$4,035

\$5,700

\$18,450

\$7,600

\$22,485

0 AWG

000 AWG

1000 ft

1500 ft

Patented Technology

Available Only From



Model / Part Number	HP	Input Rated Amps	Output Rated Amps	Weight	Max Dimensions (WxHx0) Inches
DSERIES Phase	Converting				
<b>0V Input</b> Single-Pha	se   <b>240V Output</b> Thre	e-Phase			
SD002	2 HP	20 A	8 A	15 lbs	14 x 20 x 7 in.
SD003	3 HP	30 A	10 A	16 lbs	14 x 20 x 7 in.
SD005	5 HP	42 A	18 A	17 lbs	14 x 20 x 7 in.
SD007	7.5 HP	58 A	27 A	17 lbs	19 x 28 x 12 in
SD010	10 HP	69 A	33 A	19 lbs	19 x 28 x 12 in
<b>0V Input</b> Single-Pha	se   <b>480V Output</b> Thre	e-Phase			
SD405	5 HP	30 A	10 A	29 lbs	20 x 33 x 10 in
SD407	7.5 HP	37 A	13 A	31 lbs	20 x 33 x 10 in
SD410	10 HP	42 A	18 A	33 lbs	20 x 33 x 10 in

2XD205	5 HP	31 A	10 A	67 lbs	21 x 32 x 13 in
2XD207	7.5 HP	52 A	13 A	79 lbs	21 x 32 x 13 in
2XD210	10 HP	64 A	18 A	85 lbs	21 x 32 x 13 in
2XD215	15 HP	87 A	24 A	86 lbs	21 x 32 x 13 in

Sinewave Filter - Available on: SD405, SD407, SD410, 2XD205, 2XD207, 2XD210

508A Panel Shop Options

dV/dt Filter - only available on: 2XD215

Strikesorb® Surge Protection - Available on: SD007, SD010. Standard on: 2XD205, 2XD207, 2XD210, 2XD215

### Try Now!

# Online Product Builder

Customize Your Model & Get An Instant Quote

Visit our website, www.phasetechnologies.com and build a custom quote. Or call our technical sales team at 866-250-7934 for questions.

Industry Best Lead Times: 3-7 Business Days











Area 15 LPS
Proposal
PRJ 22-077

Rev.00

July 27, 2022

# **Table of Contents**

Basin Detail	.3
Lift Station Components & Accessories	. 5
Pump Tech Data	9
Control Panel Wiring Diagram & Data	. 12



# **Basin Details**

# BASIN BUILDER



Trusted. Tested. Tough.<sup>∞</sup>

### PROJECT INFORMATION

Project Name Contact Info 22-077 Area 15 LS Typical

Prepackaged Simplex Basin System, Pre-Plumbed, w/ Rail System (Stainless Steel Pump Lifting Cables Included)

### **BASIC SYSTEM INFORMATION**

Build Type Discharge Exit Prepackaged
Simplex
Side

### INTENDED PUMP DATA

Pump Division
Pump Family
Pump Discharge

Engineered Prod. 7020/7021 1.25"

### **BASIN SIZE PREFERENCES**

Diameter Height 30 " 120 "

### **COVER PREFERENCES**

Surface Material Vent Quantity

Vent Size

Solid Fiberglass 1 EA 2 "

### **PLUMBING PREFERENCES**

Inlet Hub
Discharge Piping
Discharge Depth
Pipe Material

4" Pipe Seal
1.25 "
72 "
Sch. 80 PVC
Ball Valve

### **DISCONNECT PREFERENCES**

Class Rail Material

Shutoff Valve

Stainless Steel
Stainless Steel

### **DESIGN AIDS**

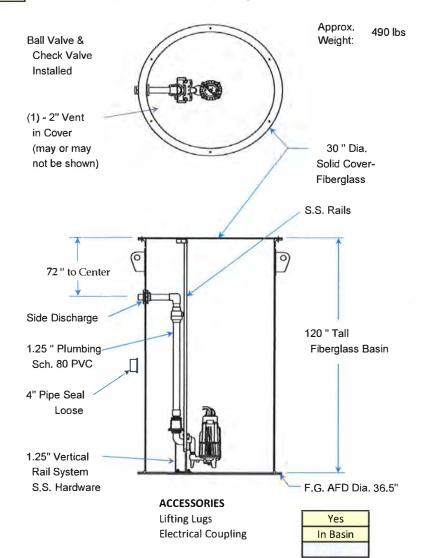
Hub Invert Depth<sup>1</sup>
Gallons / Inch
Working Volume<sup>2</sup>

72 " 3.06 Gal / In 73.4 Gallons

- 1 Hub is field installed. Depth is used to compute working volumes.
- 2 Usable volume between inlet invert and minimum water level.

### Pricing No





NOTES: DRAWING IS NOT TO SCALE.

PUMPS NOT INCLUDED - Pumps shown only for reference.
Systems include check valves and disconnects as selected.
Individual components may differ from those shown.
Customer is wholly responsible for verifying code compliance.
Consult factory for basins lorger than 72" dia. or 144" tall.
This Builder is valid for use until 9/30/2022.



# Lift Station Components & Accessories

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Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.



Visit our wahsita:

SECTION:Z4.20.400

ZM3191

Supersedes

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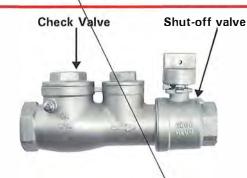
MAIL TO: P.O. BOX 16347 • Louisville, KY 40256-0347 SHIP TO: 3649 Cane Run Road • Louisville, KY 40211-1961 (502) 778-2731 • 1 (800) 928-PUMP • FAX (502) 774-3624

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# Accessories for LPS Systems (Low Pressure Sewers)





Curb Valve Assembly #10-4698 - 1.25" #10-4893 - 2"

- Lateral valve assembly installed at the entrance of each pressure sewer site
- Includes a 316 SS curb stop valve and check valve
- Curb stop valve used to isolate site from pressure sewer
- Check valve provides redundant protection against potentailly harmful backflows
- 1.25" or 2" NPT connection for use with HDPE and PVC pressure sewer pipe and fittings (Adapters included)
- Rated up to 200 psi service pressure
- Designed for use with an optional curb box and valve extension rod

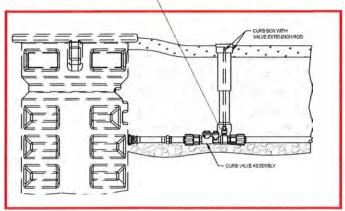
# Curb Box #10-4875 (30" to 42") #10-4867 (42" to 60")

- Class 30 cast iron construction
- Conforms to ASTM A48 / A48M-03 specifications
- Designed to fit over and attach to a 1.25" or 2" curb stop valve
- Two sizes, selected by valve burial depths, adjustable 30" to 42" or 42" to 60"
- Depth adjustments, secured by internal threads
- Bolt down cover, imprinted with SEWER marking
- Steel centering ring, for positioning and stabilizing the rod



• 5/8" OD steel rod with means for connecting to the curb stop valve





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SK3240

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SECTION: Z7.00.150 ZM1328 0921 Supersedes 0821

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# **FLOAT SWITCHES AND BRACKETS**





### **COMPARE THESE FEATURES**

- Float is constructed of durable PVC/polypropylene encasing variable level switch.
- Standard mechanical variable level control switches are rated for 115/230V, 5 amps.
- 18/2 Type SJOW CPE Cord-Standard
- Cords are available in 15-20-25-35-50 foot lengths.
- . Temperature rating of 140 °F (60 °C)
- Low current switches for Class I, Division 1, Group C & D locations and Class Zone 1, Group IIA & IIB when used in intrinsically safe circuits and rated for 30 VDC, 0.1 Amps
- Approximately 1/2" liquid level differential in switching action

Variable Level Control Switch is normally open when hanging vertically above liquid level. Switch closes when it reaches a few degrees above the horizontal position.

### APPLICATIONS

- Switch for Simplex or Duplex pump control and High Level Alarm on Electrical Alternating Control Panel systems for dewatering, effluent and sewage applications.
- Switch for A-Pak
- High Level Alarm Switch

### **ADJUSTABLE WEIGHT: (P/N 10-0689)**

- · Provides an accurate pivot point for suspended float switches
- Gripper teeth on clip and weight channel securely lock float cable into place.
- · Cable weight can be adjusted without the use of tools.

**HOUSING:** 1 lb. 12 oz. (0.8 kg) 2.8" x 3.3" (7.1 cm x 8.4 cm) impact-resistant and non-corrodible, PVC housing for liquids up to 140 °F (60 °C)

CLIP: injection-molded acetal plastic

WIRE/CABLE ACCOMODATED: SJOW, SJTW, 18/2, 16/3, 14/4, 14/2

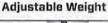
SHIP WEIGHT: 2 lbs. (32 oz)

Switch Kits - 20' Cords
3 switches and weights
4 switches and weights
Weight Only

# VARIABLE LEVEL CONTROL SWITCHES

Pipe Clamp Type







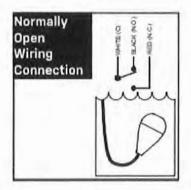
May not be exactly as pictured.

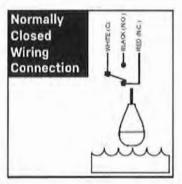
	FLOAT SW	ITCHES	
Med	chanical	Cord	Maustina
Standard P/N*	Low Current P/N**	Cord Length	Mounting Method
10-0743	10-2060	15	Clamp
10-0744	10-2061	20	Clamp
10-1877	10-2062	25	Clamp
10-1878	10-2063	35	Clamp
10-1879	1879 10-2064		Clamp
10-1880	10-2065	15	Adjustable weight
10-2033	0-2033 10-3284		Adjustable weight
10-1881	10-2066	25	Adjustable weight
10-1882	10-2067	35	Adjustable weight
10-1883	10-2068	50	Adjustable weight

# 2 in 1 Control Switch



10-5119 - 25' Cord





### **Features**

- · Internally weighted
- 3 wire cable SPDT (Single Pole, Double Throw) can be wired as normally open or normally closed. Wire color: Common (white), N.O. (black), N.C. (red)
- Large twin wall tear drop shape design offers increased buoyancy
- Two-color housing allows for easy identification of float position
- Unique gold cross-point contacts provide precision and reliable control signals up to 1 amp
- Excellent solution for applications with high grease content

# Float Switch Brackets

FLOAT SWITCH TREES				
Mechanical		Cd		
Standard P/N*	Intrinsically Safe P/N	Cord Length	Mounting Method	
10-1456	10-1456		Tree only	
10-1886	10-2069	15	(3) 15' Floats & Tree	
10-1887	10-2070	15	(4) 15' Floats & Tree	
10-5135			Tree only (72" rotomolded basin)	
10-5153	Y	-	Tree only (98" rotomolded basin)	





ANCHOR KIT WITH CHAIN			
Part Number	Chain Length	Float Clamps 4	
10-5036	15'		
10-5037	20'	4	
10-5038	25'	4	
10-5039	30'	4	

### **Features**

- 3/16" Type 304 Stainless Steel Chain
- · Anchor to rest at bottom of basin
- Includes 4 float clamps. Additional float clamps available upon request
- Floats not included



# Pump Tech Data

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# Submersible Wastewater Pump Association

# **MODELS 7020-7021**

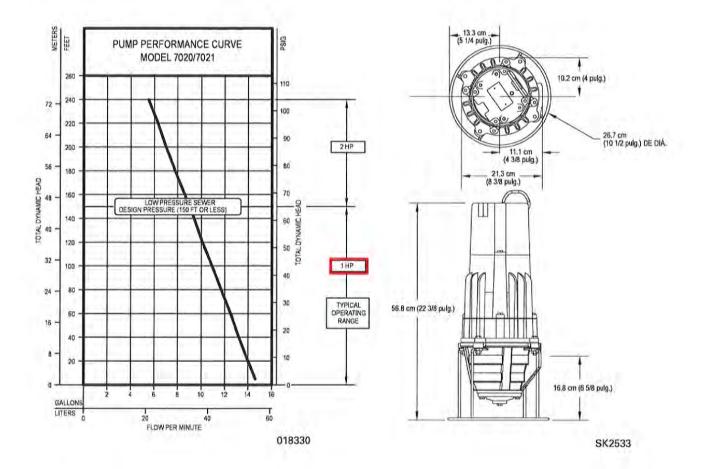
TECHNICAL DATA 1.0 & 2.0 HP

MODELS:	7020	□ 7021	
PUMP NAME PLATE HORSEPOWER:	1.0	2.0	
SERVICE FACTOR:	1,2	1.2	
MAXIMUM KW INPUT:	1.5 (230 V)	2.0 (200 V), 2.1 (230 V)	
DISCHARGE SIZE:	1.25" NPT	1.25" NPT	

IMPELLER TYPE:	HYDRAULIC HELIX ROTOR	MECHANICAL SHAFT SEAL: TYPE 6A		
CUTTER & PLATE:	440C SS HARDENED TO ROCKWELL C55-60	MOTOR DESIGN LETTER:	NEMA L (1Ph)	
PUMP NET WEIGHT:	88 IBS. (39.9 KG)	POWER CORD LENGTH: ft (m)	□ 25' <b>≥ 35</b> ' □ 50'	
O-RING & GASKET:	VITON	(20' STANDARD) OPTIONAL:	(7.6 m) (10.7 m) (15.2 m)	
MOTOR SHAFT:	416 SS	POWER CORD:	16 GAUGE SOOW	
RPM:	1750	STATOR & LEAD WIRES INSULATION: CLASS B		
MOTOR TYPE:	SUBMERSIBLE	MAXIMUM STATOR TEMPERATURE: 266 °F (130 °C)		

SHAFT SEAL CONSTRUCTION:	STANDARD	SILICON CARBIDE/CARBON	
MOTOR PROTECTION		INTEGRAL OVERLOAD	
MAXIMUM WATER TEMPERATURE:		130 °F (54 °C)	

	SERVICE	□ 200V / 1 PH		□ 230V / 1 PH		
MODEL	NODEL HP	FACTOR	FLA	LRA	FLA	LRA
7020	1	1.2	N/A	N/A	7.0	24.5
7021	2	1.2	12.0	49.5	10.0	44.0



	Standard a	ll models- 20	Ft 1 HP	
7020 models	Co	Listed		
	Volts	Ph	Amps	cCSAus
*E7020	230	1	7.0	Yes
RWD7020	230	_1 _	7.0	Yes

	Standard a	ll models- 20	Ft 2 HP	
7021	Co	Listed		
7021 models	Volts	Ph	Amps	cCSAus
*E7021	230	1	10.5	Yes
RWD7021	230	1	10.5	Yes
17021	200	1	12.0	Yes
RWH7021	200	11	12.0	Yes

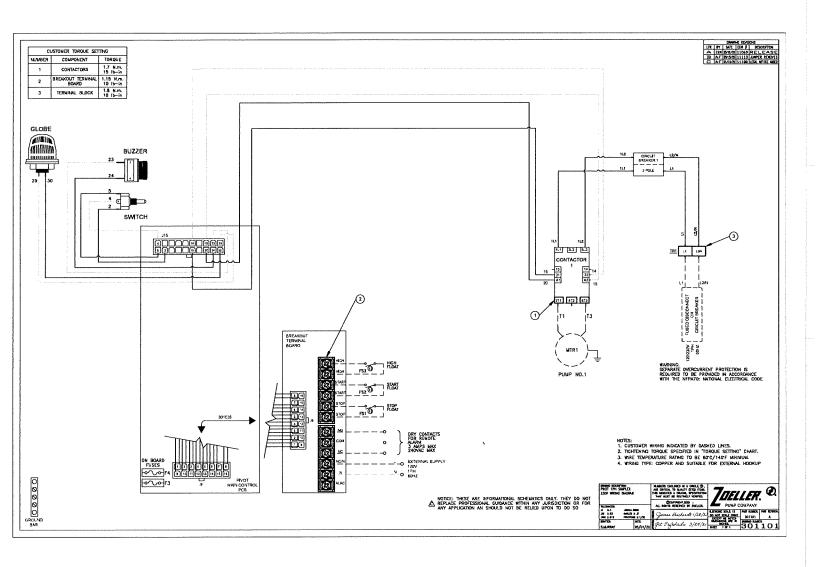
<sup>\*</sup> Molded plug.

#### **FEATURES**

- · Durable epoxy coated cast iron construction
- . Bearings upper and lower ball bearing
- . Stainless steel motor shaft
- Motor 1 HP (7020) or 2 HP (7021), 60 Hz, 1750 RPM, 1 PH, oilfilled, hermetically sealed, automatic reset thermal overload protected
- · Silicon carbide/carbon shaft seal
- · Viton O-ring seals and cover gasket
- UL Listed 20 ft. 3-wire SOW cord with 15 amp plug. Longer cords available in 25', 35' & 50'.
- Hardened 440C stainless steel cutter and disc, Rockwell C55-60
- Stainless steel helix hydraulic pump rotor with integral upper deflection shield
- · Buna N hydraulic rotor
- · Pressure relief valve
- 304 SS hardware
- · SS mounting stand for free standing installation
- 100% computerized tested



# Control Panel Wiring Diagram & Data



# Pivot Your Thinking™

More Standard Features, Greater Value, Fewer Models To Stock.

### Introducing: Pivot® 1Ph Control Panels

For 1Ph and 3Ph Pivot® Pro, see other side

#### Text Key:

Features common with our previous model

Additional STANDARD features on Pivot® and Pivot® Pro



Pictured panel: Pivot<sup>®</sup> Pro 1Ph 32324-0001 (Replaces: 10-1044) Top mount globe -varying globe patterns for distinct alarm conditions

Side mount horn

 Side mount Test/Silence switch

Test switch tests all LEDs, globe, and horn

NEMA 4X enclosure, locking hasp, dead front. 12x10x6 Pivot<sup>TM</sup>

Motor contactor(s), breakers (1Ph) -staggered pump start

Alarms for:

-high water alarm

-continuous pump run

-incorrect control voltage

-disabled alarm circuit

-failed contactor

-overload

-float fault

-HOA Off timeout

Auxiliary output, form C (aka dry contacts)

USB features:

-pump starts counter

-elapsed time meter -custom configurations

-update firmware

Factory Reset for clearing and troubleshooting

Set of 5 PCB jumpers for selection of preferences

Next up for the Pivot® line:

-Pivot® Pro+ reversing

-Pivot® Pro+ time dose

### Pivot®: 115/200/230

Simplex and Duplex models

Limited 5 year warranty



Touch-safe user interface LED indicators:

- -System Ready
- -Float switch LED indicators
- -float switch faults
- -Pump Run LED indicator(s)

Latching globe and horn feature

3 or 4 float switch operation

- -choice of multiple float logic and orders
- -built in switch redundancy
- -configurable float switch operation
- -choose between Smart and Relay Switch Logic

Separate fuses for alarm and control circuits

#### Smart HOA:

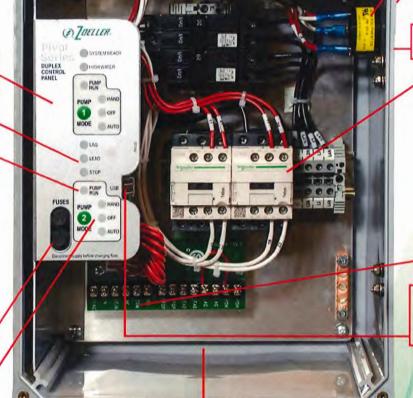
- -prevents accidental On or Off
- -Off mode reminder



Trusted. Tested. Tough.

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3649 Cane Run Road. Louisville. KY 40211 USA

FM3294 1121 Supersedes 1220



Ample room for field wiring

# **Pivot Your Thinking**

More Standard Features, Greater Value, Fewer Models To Stock.

### Introducing: Pivot® Pro 1Ph and 3Ph Control Panels

Pictured panel: Pivot Pro 3Ph

For Pivot 1Ph, see other side

Pivot® Pro includes all the features of the Pivot® (other side) PLUS these additional upgraded features

Pivot® Pro: 1Ph and 3Ph circuit breakers or 3Ph 200/230/460V with multi-tap transformer

Simplex and duplex models Limited 5 year warranty



#### LCD display:

- -full menu
- system for configuration
- -keypad lock for security
- -service information: name and phone number
- -review pump starts, elapsed run times, and other system data
- -selectable ratio for pump alternation (duplex)
- -lead/lag select (duplex)
- -configurable continuous run alarm timer
- -horn configurable: latching/active

#### Smart HOA:

- -prevents accidental pump damage
- -reminder to return to Auto operation
- -adjustable behaviors



FUMP SEAL

SERVICE OF

● SEA

HAND

SERVICE OFF

NEMA 4X enclosure, locking hasp, dead

-14x12x6 Pivot® Pro

Motor contactors with built-in pump run contacts. Overloads

Terminal strip for circuit and alarm power, float switches, auxiliary contacts, seal fail leads, and thermal leads.

Data jack for Z Control" Gateway (sold separately)

Z Control' includes: -remote testing and monitoring

-remote configuration -alert notifications:

text, email, app push.





Trusted. Tested. Tough. zoellerpumps.com

3649 Cane Run Road, Louisville, KY 40211 USA

Next up for the Pivot® line:

-Pivot® Pro+ reversing

-Pivot® Pro+ time dose

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SECTION: 2.50.055 FM3336 0721 Supersedes

New

# TECHNICAL DATA SHEET Pivot Series Control Panels

✓ Pivot
 Pivot Pro
 1Ph control panel, highly featured
 □ Pivot Pro
 1Ph or 3Ph control panel with advanced features such as a user-friendly LCD interface and support for pump sensors and Z Control®
 □ Pivot Pro +
 The Pivot Pro + control panel is a Pivot Pro control panel built with one or more options and usually requiring a larger enclosure

#### SPECIFICATIONS

#### Certifications

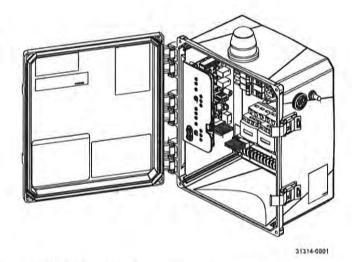
- cCSAus certified to standard UL508
- FCC Class-B certification to ISED Canada ICES-003, Issue 6
- For outdoor or indoor use, -40C to +60C

#### Components

- · Red alarm beacon with 360-degree visibility
- Audible alarm buzzer rated 95 db at 2' (0.6 m)
- SILENCE/RESET/TEST toggle switch with weatherproof rubber boot
- HAND/OFF/AUTO control are included for each pump
- Auxiliary output dry contacts (NO-COM-NC) terminals, Form C, 5A resistive load
- Pump Run dry contact, (NO-COM)
- NEMA 4X 12"x10"x6" enclosure with lockable latch

#### Power

- Control circuit powered by 120VAC, 60 Hz
- Alarm circuit can be powered by separate power feed, if needed
- Alarm and control circuits individually fused, 3A, fast-acting, 120VAC
- Circuit breaker protection
- Max alarm and control circuit power consumption: Simplex models 32W, Duplex models 40W
- Max standby power consumption: 5W
- Terminals for 120VAC control power, 120VAC alarm power, up to 4 float switches (duplex), pump input power
- 1Ph IEC motor contactors, models 120/208/240
   VAC, 50/60Hz, up to 50A maximum



#### Field Wiring & Maintenance

- 4 enclosure mounting brackets are included
- 2 sets of wiring schematics and installation instructions are included along with an inside door mounted QR code for easy access to additional support material online
- All wires and terminal locations thoroughly labeled for easy identification
- All components are serviceable (See FM3364 for available replacement parts)

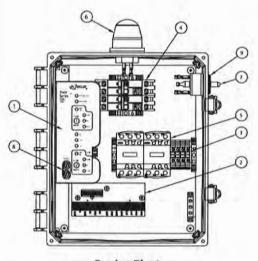
STANDARD FEATURES (For a more thorough description of features, see ZM3376 Panel Selection Guide or FM3295 Cross Reference and Features Comparison List)

- 5 year limited warranty
- · RED/AMBER/GREEN LEDs for float switch indicators, Pump Run, High Water, System Ready, and HOA functions
- Ample room for field wiring
- TEST toggle will check all LEDs, globe, and horn
- Elapsed time and cycle counts via USB port
- Adjustable settings (see Installation Instructions)
  - 'Smart' or 'Standard' float logic (Smart logic will compensate for bad floats. Standard logic will operate like traditional panels.)
  - Continuous run alarm: 20 minute default (Additional adjustable settings accessible: enable or disable via USB port)
  - o HOA Pump Run & Service Off Timeouts (enable or disable via USB port)
    - Service OFF and Permanent OFF pump modes
    - Smart HOA timer prevents pump damage caused by accidental "ON"
    - Smart HOA includes a Service OFF reminder alarm
  - o Globe mode (solid, blink, or alarm-specific blink pattern)
  - Duplex float configuration (Stop/Lead/Lag/High or Stop/Lead/High/Lag)

#### COMMON PIVOT CONTROL PANEL DETAILS

PART NO.	REV	SIMPLEX OR DUPLEX	ENCLOSURE	VOLTAGE	PHASE	FULL LOAD AMP	BREAKER	DIMESIONS "A" X "B" X "C"
31314-0001	A	SIMPLEX	NEMA-4X	120/208/240	1	0107	15	12" X 10" X 6"
31324-0001	Α	SIMPLEX	NEMA-4X	120/208/240	1	7TO 15	20	12" X 10" X 6"
31334-0001	A	SIMPLEX	NEMA-4X	120/208/240	1	15TO 20	30	12" X 10" X 6"
31344-0001	.A.	SIMPLEX	NEMA-4X	120/208/240	1	20 TO 30	50	12" X 10" X 6"
31354-0001	A	SIMPLEX	NEMA-4X	120/208/240	1	OTO 20	25	12" X 10" X 6"
32124-0001	A	DUPLEX	NEMA-4X	120	15	7TO 15	20	12" X 10" X 6"
32134-0001	A	DUPLEX	NEMA-4X	120	1	15TO 20	30	12" X 10" X 6"
32314-0001	A	DUPLEX	NEMA-4X	120/208/240	1	0107	15	12" X 10" X 6"
32324-0001	A	DUPLEX	NEMA-4X	120/208/240	1	71015	20	12" X 10" X 6"
32334-0001	A	DUPLEX	NEMA-4X	120/208/240	1	15 TO 20	30	12" X 10" X 6"
32344-0001	A	DUPLEX	NEMA-4X	120/208/240	1	201030	50	12" X 10" X 6"
32354-0001	A	DUPLEX	NEMA-4X	120/208/240	1	0 TO 20	25	12" X 10" X 6"

- 1) User Interface
- 2) Terminal Board
- 3) Pump Power Terminals (TB1)
- 4) Pump Circuits Breaker(s)
- 5) Motor Contactors
- 6) Globe
- 7) Test/Silence/Reset Switch
- 8) Fuses
- 9) Buzzer



**Duplex Pivot** 

#### **Alarm Conditions**

			User Interface LEDs						
Alarm Condition	Latching	Globe	System Ready	High Water	Pump Run (1 or 2)	Pump Off (1 or 2)	Stop, Start/ Lead, or Lag		
Service Off Timeout	No	Double Blink	Off	Off	Off	Blinking Red	Off		
Disabled Alarm Circuit	No	Double Blink	Off	Solid Red	Off	Off	Solid Red		
Continuous Run	Yes	Solid	Off	Off	Blinking Amber	Off	Off		
High Water Float Logic Error	Yes	Slow Blink	Off	Blinking Red	Off	Off	Off		
Float Logic Error	Yes	Slow Blink	Off	Off	Off	Off	Blinking Red		
Float Questionable	Yes	Slow Blink	Off	Off	Off	Off	Blinking Amber		
High Water	Yes	Solid	Off	Solid Red	Off	Off	Off		
High Control Voltage	Yes	Off	Blinking Green	Blinking Red	Blinking Red	Blinking Red	Blinking Red		

## CITY OF MANTORVILLE NOTICE OF PUBLIC HEARING

Notice is hereby given that the City of Mantorville Planning Commission will convene on Monday, October 24, 2022, at 6:30 pm in the Council Chambers at Mantorville City Hall, 21 5th St E, Mantorville, MN 55955. During said meeting, the Planning Commission will conduct a public hearing for the preliminary plat tentatively called Area 15, which proposes to subdivide Dodge County PID 130210401 into 36 residential lots and one outlot. Thereafter, the Planning Commission will make a recommendation to the City Council regarding the application. All interested persons are invited to attend the public hearing and be heard. Materials submitted by the applicant are available for inspection at Mantorville City Hall during regular business hours.

Shirley R Buecksler City Clerk-Treasurer



Trail to the Past. Road to the Future.

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Shirley R Buecksler City Clerk-Treasurer



Trail to the Past. Road to the Future.

#### CITY OF MANTORVILLE NOTICE OF PUBLIC HEARING

#### TO WHOM IT MAY CONCERN:

A parcel that you own is within 350 feet of the preliminary plat tentatively called Area 15, which proposes to subdivide Dodge County PID 130210401. Notice is hereby given that the City of Mantorville Planning Commission will convene on Monday, October 24, 2022, at 6:30 pm in the Council Chambers at Mantorville City Hall, 21 5th Street East, Mantorville, Minnesota 55955. During said meeting, the Planning Commission will conduct a public hearing for the above-referenced preliminary plat. The plat proposes to establish 36 buildable residential lots and one outlot on Dodge County PID 130210401. After the public hearing, the Planning Commission will make a recommendation to the City Council regarding the application. Materials submitted by the applicant are available for inspection at Mantorville City Hall during regular business hours.

All interested persons are invited to attend the public hearing and be heard. If you are unable to attend the public hearing but would like to provide comment, you may send an email to my attention at shirley@mantorville.com by 3:00 pm on Monday, October 24, 2022. All comments received by this date and time will be printed and provided to the Planning Commission for the public hearing.

If you have any questions, please feel free to contact me at 507.635.5116.

Sincerely,

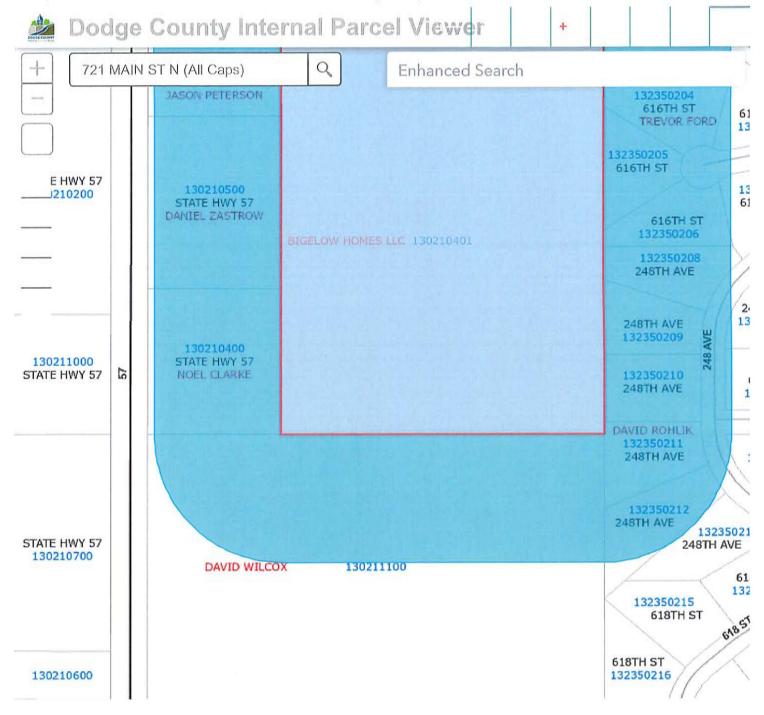
Shirley R Buecksler

City Clerk-Treasurer

#### App State

Click to restore the map extent and layers visibility where you left off.

300ft



#### App State

Click to restore the map extent and layers visibility where you left off.

PIN	Tax Payer 1	Tax Payer 2	Address 1	Address 2	City	State	ZIP
252250060	RUSSELL H HILSMAN	BECKY L HILSMAN	520 EAGLE CT SE		MANTORVILLE	MN	55955
132350210	) ROBERT J PETERSEN	CAROL S PETERSEN	61719 248TH AVE		MANTORVILLE	MN	55955
252250130	BRETT SKOOG	TESSAH SKOOG	612 GOLFVIEW CT		MANTORVILLE	MN	55955
130210500	DANIEL ZASTROW		61648 STATE HWY 57		KASSON	MN	55944
255020032	2 WAYNE C SCHERBRING	BECKY R SCHERBRING	24584 615TH ST		MANTORVILLE	MN	55955
130211100	DAVID WILCOX		945 150TH ST		KANAWHA	IA	50447
132350209	9 STEVEN L WEBER		61696 248TH AVE		MANTORVILLE	MN	55955
130210400	) NOEL CLARKE		61748 STATE HWY 57		KASSON	MN	55944
132350204	1 TREVOR FORD	SASHA FORD	24700 616TH ST		MANTORVILLE	MN	55955
132350100	OUTLOT C ROLLING HILLS ASSOC	% ROBERT HAMLIN, PRESIDENT	24711 616TH ST		MANTORVILLE	MN	55955
132350208	3 STEPHEN L EHLKE	NANCY M EHLKE	61677 248TH AVE		MANTORVILLE	MN	55955
255020030	) WAYNE C SCHERBRING	BECKY R SCHERBRING	24584 615TH ST		MANTORVILLE	MN	55955
132350206	5 ROBERT H HAMLIN	KATHLEEN M HAMLIN	24711 616TH ST		MANTORVILLE	MN	55955
132350409	MARK E KUJATH	NICOLE E KUJATH	61674 248TH AVE		MANTORVILLE	MN	55955
252250010	EDWARD & DEBORAH REICHER TS AG		521 EAGLE CT SE		MANTORVILLE	MN	55955
132350201	L CORI L PAULSON		61519 248TH AVE		MANTORVILLE	MN	55955
132350104	1 SHAUN HALL	SARAH E HANCOCK-HALL	61528 248TH AVE		MANTORVILLE	MN	55955
132350212	2 DANIEL HEAD	LINDA HEAD	61755 248TH AVE		MANTORVILLE	MN	55955
132350203	3 CHAD M BOELTER	AMANDA J BOELTER	24724 616TH ST		MANTORVILLE	MN	55955
132350205	5 DARREN J SPREITER	SHERI SPREITER	24709 616TH ST		MANTORVILLE	MN	55955
255020031	L CASEY A ARNOLD	SARAH A ARNOLD	140 STATE HWY 57		MANTORVILLE	MN	55955
132350404	ANTHONY J NELSON	RHONDA L NELSON	61774 248TH AVE		MANTORVILLE	MN	55955
130210300	) JASON PETERSON	TIFFANY PETERSON	24575 615TH ST		MANTORVILLE	MN	55955
252250140	) MICHAEL E NOBLE	ELAINE M NOBLE	614 GOLFVIEW COURT		MANTORVILLE	MN	55955
132350213	3 GEOFFREY R FLYNN	JENNIFER A FLYNN	61771 248TH AVE		MANTORVILLE	MN	55955
130210401	L BIGELOW HOMES LLC		4057 28TH ST NW #100		ROCHESTER	MN	55901
132350408	B DAVID M WILCOX		24842 617TH ST		MANTORVILLE	MN	55955
132350211	L DAVID ROHLIK	GINA ROHLIK	61743 248TH AVE		MANTORVILLE	MN	55955
132350207	7 KATE E BROSSARD		24719 616TH ST		MANTORVILLE	MN	55955
132350202	2 BRADLEY J JOHNAS	JENNIFER J JOHNAS	61535 248TH AVE		MANTORVILLE	MN	55955
Additional:							
	TONY BIGELOW		4057 28TH ST NW		ROCHESTER	MN	55901
	CAROL ALLEN	MANTORVILLE TOWNSHIP					
	DUKE HARBAUGH	MANTORVILLE TOWNSHIP					
	DODGE COUNTY HIGHWAY DEPT						
	DODGE COUNTY ASSESSOR'S OFFICE						
	DODGE COUNTY SURVEYOR						

WHKS

XCEL ENERGY
KM TELECOM
MnDOT DISTRICT 6
MEDIACOM LLC
DODGE COUNTY PLANNING
MINNESOTA ENERGY RESOURCES
XCEL ENERGY (LAND USE)
KENNEDY & GRAVEN

KASSON MANTORVILLE SCHOOL BOARD

DODGE COUNTY ENVIRONMENTAL QUALITY