

NOTES

1. THE UNDERGROUND UTILITIES SHOWN HAVE NOT BEEN LOCATED FROM FIELD SURVEYED UTILITY MARKINGS. THE UTILITIES SHOWN ARE FROM EXISTING DRAWINGS SUPPLIED BY THE OWNER (VAL). THE SURVEYOR MAKES NO GUARANTEE OF THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM THE INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES.
2. CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION, INCLUDING INSTALLATION OF CONSTRUCTION FENCE. CALL GOPHER STATE ONE CALL: 1-800-252-1196.
3. TEMPORARY CHAIN LINK CONSTRUCTION FENCE (8' TALL) SHALL BE PROVIDED AROUND ENTIRE PERIMETER OF CONSTRUCTION AREA. CONTRACTOR SHALL COORDINATE ACCESS THROUGH CONSTRUCTION FENCE WITH DAILY CONSTRUCTION ACTIVITY. ALL ENTRANCES/OPENINGS SHALL BE ENCLOSED AT ALL TIMES AND MONITORED FOR PASSAGE OF EQUIPMENT.
4. EQUIPMENT AND MATERIALS MAY NOT BE LEFT OVERNIGHT BEHIND ORANGE CONSTRUCTION FENCE.
5. COORDINATE WITH THE VA FOR WORK TO TAKE PLACE OUTSIDE THE LIMITS OF THE TEMPORARY CONSTRUCTION FENCE.
6. CONSTRUCTION LIMITS ARE TO ENCOMPASS PROJECT AREA. EQUIPMENT AND MATERIALS STORAGE/STAGING AND CONTRACTOR PARKING. NO OTHER AREA WILL BE MADE AVAILABLE TO THE CONTRACTOR FOR THE USE PURPOSES DURING THE COMPLETION OF THE PROJECT. SEE ARCHITECTURAL SITE PLAN SHEET A300 FOR ADDITIONAL INFORMATION REGARDING CONSTRUCTION LIMITS AND STAGING.
 - CONTRACTOR PARKING: NO PARKING SHALL BE ALLOWED AT THE EAST CONTRACTOR PARKING LOT (PERMIT REQUIRED).
 - CONTRACTOR STORAGE TRAILER: 1 STORAGE TRAILER WILL BE ALLOWED AT THE EAST CONTRACTOR PARKING LOT.
 - THE VA IS NOT RESPONSIBLE FOR ITEMS LOST OR STOLEN FROM CONTRACTOR VEHICLES OR STORAGE TRAILER.
7. CONSTRUCTION STAGING AREA WEST OF BUILDING 28 IS TO BE REMOVED FOLLOWING COMPLETION OF PHASE 2 & SHALL RESTORE AND REESTABLISH TURF PER PROJECT GENERAL NOTES AND SPECIFICATIONS.
8. ALL OPEN TRENCHES SHALL BE BACKFILLED AT THE END OF EACH WORKING DAY. NO OPEN TRENCHES ALLOWED OVERNIGHT.
9. ALL EXCESS SOILS SHALL BE REMOVED FROM SITE.
10. COORDINATE REMOVALS WITH ARCHITECTURAL PLANS.
11. PROTECT EXISTING TREES NOT DESIGNATED TO BE REMOVED.

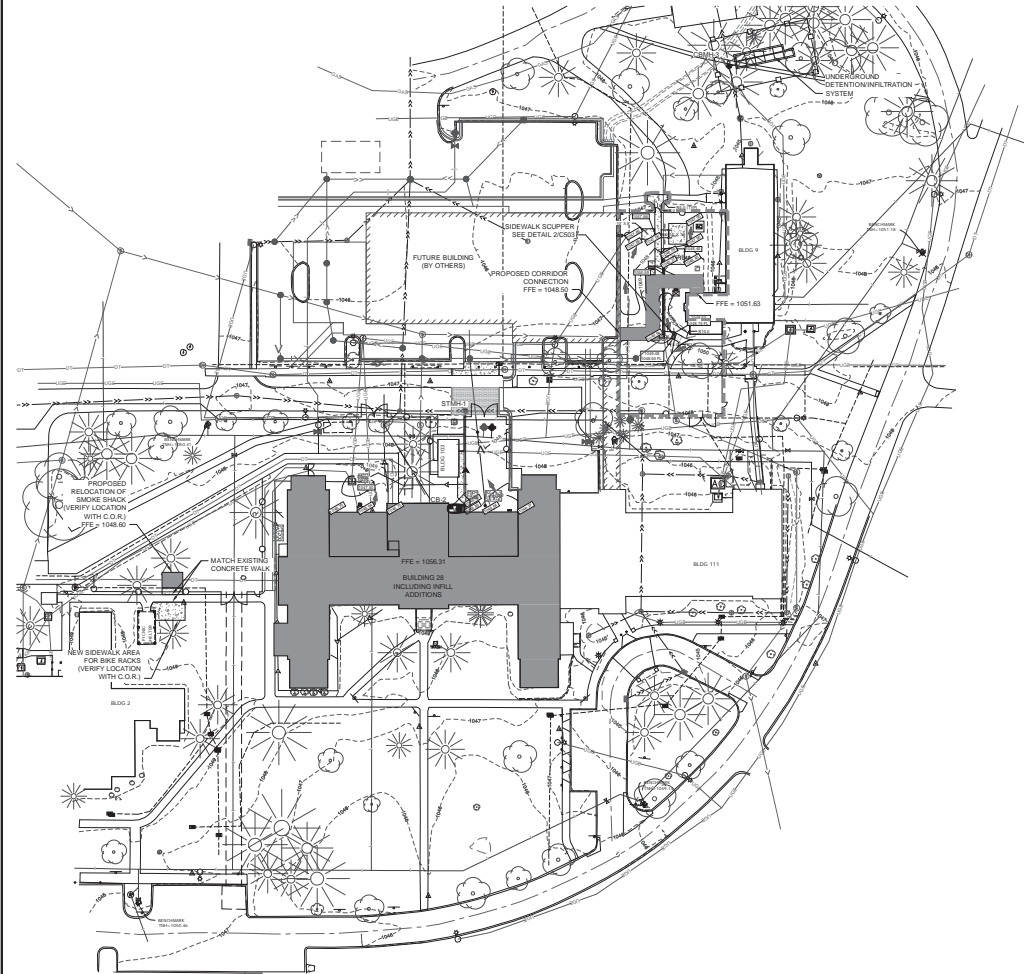
LEGEND

- EXISTING CONCRETE TO BE REMOVED
- EXISTING BITUMINOUS TO BE REMOVED
- DEDUCT ALTERNATE NO. 8 (TYPICAL ALL CIVIL PLAN SHEETS)

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DATE	DESCRIPTION	DATE	DESCRIPTION
07-20-2011	EXISTING CONDITIONS AND SITE DEMOLITION PLAN	07-20-2011	EXISTING CONDITIONS AND SITE DEMOLITION PLAN



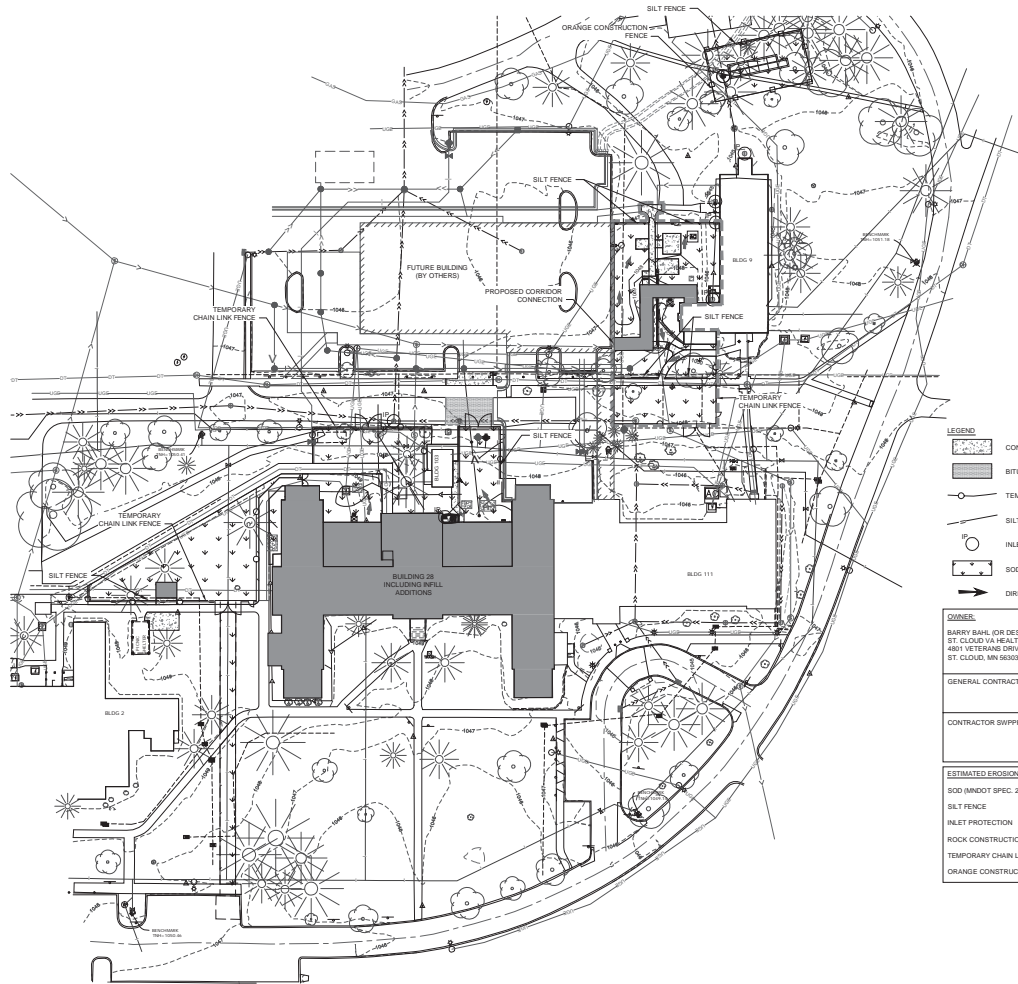
NOTES

- CONTRACTOR SHALL FIELD VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION, INCLUDING INSTALLATION OF CONSTRUCTION FENCE. CALL GOPHER STATE ONE CALL: 1-800-252-1166.
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- EQUIPMENT AND MATERIALS MAY NOT BE LEFT OVERNIGHT BEHIND ORANGE CONSTRUCTION FENCE.
- COORDINATE WITH THE VA FOR WORK TO TAKE PLACE OUTSIDE THE LIMITS OF THE TEMPORARY CONSTRUCTION FENCE.
- CONSTRUCTION LIMITS ARE TO ENCOMPASS PROJECT AREA, EQUIPMENT AND MATERIALS STORAGE/STAGING AND CONTRACTOR PARKING. NO OTHER AREA WILL BE MADE AVAILABLE TO THE CONTRACTOR FOR THESE PURPOSES DURING THE COMPLETION OF THE PROJECT. SEE ARCHITECTURAL SITE PLAN, SHEET A5001 FOR ADDITIONAL INFORMATION REGARDING CONSTRUCTION LIMITS AND STAGING.
 - CONTRACTOR PARKING: 10 PARKING STALLS WILL BE ALLOWED AT THE EAST CONTRACTOR STORAGE TRAILER. 1 STORAGE TRAILER WILL BE ALLOWED AT THE EAST CONTRACTOR PARKING LOT.
 - THE VA IS NOT RESPONSIBLE FOR ITEMS LOST OR STOLEN FROM CONTRACTOR VEHICLES OR STORAGE TRAILER.
- CONSTRUCTION STAGING AREA WEST OF BUILDING 28 IS TO BE REMOVED FOLLOWING COMPLETION OF PHASE 2 SHALL RESTORE AND REESTABLISH TURF PER PROJECT GENERAL NOTES AND SPECIFICATIONS.
- ALL OPEN TRENCHES SHALL BE BACKFILLED AT THE END OF EACH WORKING DAY. NO OPEN TRENCHES ALLOWED OVERNIGHT.
- ALL EXCESS SOILS SHALL BE REMOVED FROM SITE.
- COORDINATE REMOVALS WITH ARCHITECTURAL PLANS.
- PROTECT EXISTING TREES NOT DESIGNATED TO BE REMOVED.



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- LEGEND**
- CONCRETE WALK
 - BITUMINOUS PAVEMENT
 - TEMPORARY CHAIN LINK FENCE
 - SILT FENCE
 - INLET PROTECTION
 - SOD (MNDOT SPEC. 267.3)
 - DIRECTION OF PROPOSED FLOW

OWNER:	
BARRY BAH, (OR DESIGNEE)	
ST. CLOUD VA HEALTHCARE SYSTEM	
4801 VETERANS DRIVE	
ST. CLOUD, MN 56303	
GENERAL CONTRACTOR:	
CONTRACTOR SWPPP QUALIFIED PERSONNEL:	
ESTIMATED EROSION CONTROL QUANTITIES:	
SOD (MNDOT SPEC. 267.3)	3700 SY
SILT FENCE	650 LF
INLET PROTECTION	7 EA
ROCK CONSTRUCTION ENTRANCE	540 SY
TEMPORARY CHAIN LINK FENCE	745 LF
ORANGE CONSTRUCTION FENCE	235 LF

NOTES

1. SALVAGE AND REPLACE EXISTING TOPSOIL. SCREEN PRIOR TO PLACEMENT AND FERTILIZE UPON STABILIZATION.
2. SILT FENCE SHALL BE PROVIDED ON ALL AREAS DOWN GRADIENT OF CONSTRUCTION ACTIVITY.
3. INLET PROTECTION SHALL BE PROVIDED ON ALL CATCH BASINS AND INLETS DOWN GRADIENT OF CONSTRUCTION ACTIVITY AND AS INDICATED ON THE PLAN.
4. ALL DISTURBED AREAS SHALL BE RESTORED WITH 6" MINIMUM TOPSOIL AND STABILIZED WITH MNDOT SALT RESISTANT SOD SPEC. #3878.2C.
5. WHERE CONSTRUCTION TRAFFIC WILL LEAVE THE SITE, PROVIDE ROCK CONSTRUCTION ENTRANCES. IF SEGMENT TRACKING SHOULD OCCUR, IT IS THE CONTRACTOR'S RESPONSIBILITY TO SWEEP STREETS AS NECESSARY TO MINIMIZE SEGMENT TRACKING.

SEQUENCE OF CONSTRUCTION

1. INSTALL STABILIZED ROCK CONSTRUCTION ENTRANCES.
2. PROVIDE TEMPORARY CHAIN LINK CONSTRUCTION FENCE AROUND ENTIRE PERIMETER OF CONSTRUCTION AREA. INSTALL ORANGE CONSTRUCTION FENCE AROUND UNDERGROUND DETENTION INFILTRATION SYSTEM (SEE DETAIL 1000). INSTALL ORANGE CONSTRUCTION FENCE AROUND BAKKE SHACK RELOCATION AREA.
3. INSTALL SILT FENCE.
4. CONTACT OWNER'S REPRESENTATIVE TO INSPECT BMPs. GENERAL CONTRACTOR SHALL HOLD A STORM WATER PRE-CONSTRUCTION MEETING WITH ALL HIS SUB-CONTRACTORS PRIOR TO CONSTRUCTION.
5. PROVIDE INLET PROTECTION ON INLETS DOWN GRADIENT OF CONSTRUCTION ACTIVITY.
6. BEGIN GRADING THE SITE.
7. IF AN AREA WILL NOT ACTIVELY BE WORKED FOR MORE THAN 7 DAYS, TEMPORARILY SEED DISTURBED AREAS AND STABILIZE WITHIN 7 DAYS OF ACTIVELY BEING WORKED.
8. INSTALL STORM SEWER, UNDERGROUND DETENTION INFILTRATION SYSTEM, ASSOCIATED PIPING AND STRUCTURES.
9. BACKFILL ALL TRENCHES IMMEDIATELY, AND AT THE END OF THE WORKING DAY, NO OPEN TRENCHES ALLOWED OVERNIGHT.
10. REINSTALL ANY DISTURBED INLET PROTECTION DEVICES.
11. PREPARE SITE FOR SURFACING.
12. CONSTRUCT CONCRETE WALK AND BITUMINOUS PAVEMENT.
13. COMPLETE FINAL GRADING WITH SALVAGED (SCREENED) TOPSOIL, FERTILIZE AND STABILIZE WITH SOD IMMEDIATELY AFTER COMPLETION OF GRADING.
14. ALL EROSION AND SEDIMENT CONTROL BMPs TO BE APPROVED BY THE VA.
15. CONTRACTOR TO HAVE CERTIFIED PERSONNEL TO FOLLOW ALL SWPPP REQUIREMENTS.
16. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED, AND APPROVED BY THE VA.)
17. CONTRACTOR TO WORK WITH THE VA TO OBTAIN ALL REQUIRED PERMITS.
18. ALL DISTURBED AREAS SHALL BE RESTORED AND STABILIZED WITHIN 7 DAYS OF CONSTRUCTION.

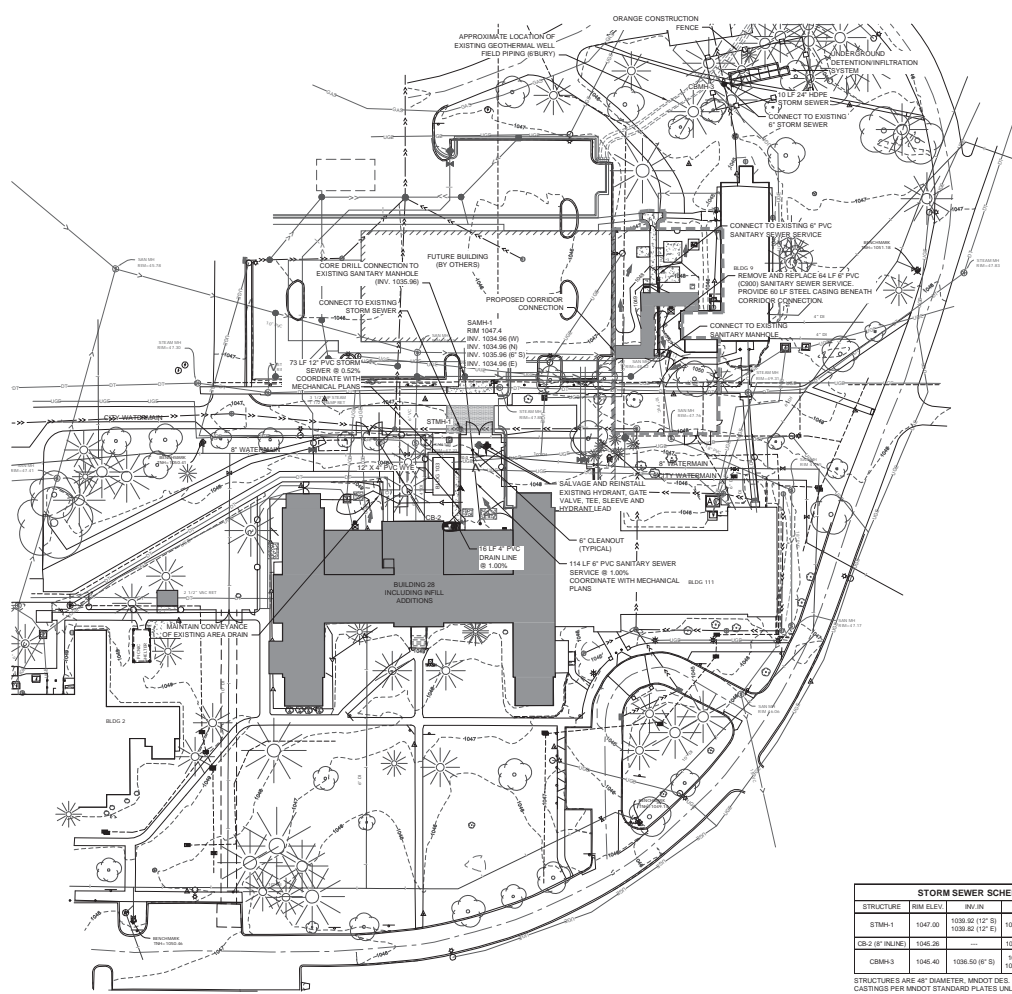
ERC TIME SCHEDULE

NOTE: GENERAL CONTRACTOR TO COMPLETE TABLE WITH THEIR PROJECT SCHEDULE			
CONSTRUCTION (SEQUENCE MONTHS)			
TEMPORARY CONTROL MEASURES			
STRIP AND STOCKPILE TOPSOIL			
ROUGH GRADE SEDIMENT CONTROL			
STRUCTURE CONSTRUCTION			
SITE CONSTRUCTION			
STORM INSTALLATION			
FINISH GRADING			
TURF ESTABLISHMENT			



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 - CONSTRUCTION STAGING AREA WEST OF BUILDING 28 IS TO BE REMOVED FOLLOWING COMPLETION OF PHASE 2 SHELL, RESTORE AND REESTABLISH TURF PER PROJECT GENERAL NOTES AND SPECIFICATIONS.
 - ALL OPEN TRENCHES SHALL BE BACKFILLED AT THE END OF EACH WORKING DAY. NO OPEN TRENCHES ALLOWED OVERNIGHT.
 - ALL EXCESS SOILS SHALL BE REMOVED FROM SITE.
 - COORDINATE UTILITY CONNECTIONS (SANITARY SEWER, STORM SEWER) WITH MECHANICAL PLANS.
 - WHERE SANITARY SEWER SERVICE PIPE IS INDICATED TO BE 3000 PVC, CARRIER PIPE WILL HAVE BELL JOINT RESTRAINT AT EACH JOINT (SERIES 1800 RESTRAINT FOR AWWA C900 PVC PIPE AS MANUFACTURED BY EBAA/IRON INC. OR APPROVED EQUAL).
 - STEEL CASING PIPE TO BE A MINIMUM 18\"/>
 - UNDERGROUND STORMWATER DETENTION/INFILTRATION SYSTEM IS 'STORMTREC' OR APPROVED EQUIVALENT.
 - BASIC UNDERGROUND SYSTEM COMPONENTS:
 - 11\"/>
 - COORDINATE LOCATION AND CONFIGURATION OF STORMWATER DETENTION/INFILTRATION SYSTEM AND ASSOCIATED STORM SEWER TO ACCOMMODATE EXISTING GEOTHERMAL WELL FIELD PIPING AND EXISTING TREES.
 - 14. INSTALLATION OF THE UNDERGROUND STORMWATER DETENTION/INFILTRATION SYSTEM INCLUDES THE FOLLOWING STEPS AND CONSTRUCTION METHODS:
 - ALL CONSTRUCTION MUST MINIMIZE THE COMPACTION OF NATURAL IN-PLACE SOILS BELOW THE BOTTOM OF INSTALLATION ELEVATION AS SHOWN ON THE PLANS.
 - EXCAVATION SHALL BE ACCOMPLISHED BY BACKHOE WITH THE TREADS OF THE MACHINE EITHER A MINIMUM OF 3' FEET ABOVE GRADE OR OUTSIDE OF THE LIMITS OF THE INSTALLATION.
 - SLOPE TOP OF EXCAVATION AWAY FROM INSTALLATION ARE TO PREVENT INFLOW OF SEDIMENT.
 - FINAL GRADING OF THE BOTTOM OF INSTALLATION, BEFORE PLACEMENT OF GEOTEXTILE FABRIC AND OPEN GRADED AGGREGATE, SHALL BE ACCOMPLISHED BY WIDE PAD SMALL SIZE DOZER.
 - ONCE FINAL BOTTOM GRADE HAS BEEN ESTABLISHED, ONE DOUBLE RING INFILTRATION TEST (ASTM D5856) WILL BE COMPLETED BY THE GEOTECHNICAL CONSULTANT TO DETERMINE THE INFILTRATION CAPACITY OF THE LEAST PERMEABLE SOIL HORIZON WITHIN 4 FEET OF THE BOTTOM OF THE INSTALLATION. THE LOCATION OF THE TEST(S) WILL BE DETERMINED BY THE GEOTECHNICAL CONSULTANT. NEAR EACH TEST LOCATION THE DEPTH TO WATER TABLE WILL ALSO BE DETERMINED AND THE RESULTS OF ALL TESTS WILL BE SUBMITTED TO THE ENGINEER FOR REVIEW. REPRESENTATIVES FROM THE VA AND THE SHAH RIVER WATERSHED DISTRICT MUST BE PRESENT DURING TESTING. EXCAVATION REQUIRED FROM THE TESTS AND TO DETERMINE THE LOCATION OF THE WATER TABLE WILL BE PROVIDED BY THE CONTRACTOR. ANY ADJUSTMENT TO THE DESIGN OF THE UNDERGROUND SYSTEM AND THE STORM SEWER WILL BE MADE AT THIS TIME. DO NOT INSTALL ANY OF THE STORM SEWER SYSTEM THAT CONNECTS TO THE UNDERGROUND SYSTEM UNTIL THE ENGINEER HAS DETERMINED IF DESIGN MODIFICATIONS TO THE UNDERGROUND SYSTEM AND/OR STORM SEWER SYSTEM ARE REQUIRED.
 - ONCE THE TEST RESULTS HAVE BEEN EVALUATED AND ANY MODIFICATIONS TO THE UNDERGROUND SYSTEM OR STORM SEWER HAVE BEEN DETERMINED, THE REMAINDER OF THE UNDERGROUND INSTALLATION CAN BE COMPLETED.
 - THE BOTTOM LAYER OF GEOTEXTILE FABRIC WILL BE INSTALLED BY HAND.
 - THE INITIAL BOTTOM LAYER OF OPEN GRADED AGGREGATE SHALL BE INSTALLED BY PLACING AGGREGATE WITH A BACKHOE AND DISTRIBUTED BY A WIDE PAD SMALL SIZE DOZER. THE BACKHOE WILL BE LOCATED OUTSIDE THE LIMITS OF THE INSTALLATION, AND THE DOZER WILL OPERATE FROM ON TOP OF THE AGGREGATE.
 - THE CHAMBER UNITS WILL BE INSTALLED BY HAND, WITH THE REMAINING AGGREGATE, HEADER PIPES, AND FABRIC INSTALLED BY HAND, BACKHOE, WIDE PAD OR OTHER APPROVED EQUIPMENT.

STORM SEWER SCHEDULE				
STRUCTURE	RIM ELEV.	INV./IN	INV./OUT	CASTING
STMH-1	1047.00	1039.92 (12" S)	1039.82 (12" W)	700-7, 716
CB-2 (8" INLINE)	1046.26	---	1040.61 (4" NE)	STANDARD
CBMH-3	1045.40	1036.50 (6" S)	1036.50 (6" N) 1036.50 (12" W)	700-4, 721

STRUCTURES ARE 48" DIAMETER. MNDOT DES. P. UNLESS NOTED OTHERWISE.
CASTINGS PER MNDOT STANDARD PLATES UNLESS NOTED OTHERWISE.

STRUCTURES ARE 48\"/>

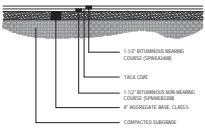
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Design Tree
ARCHITECTS

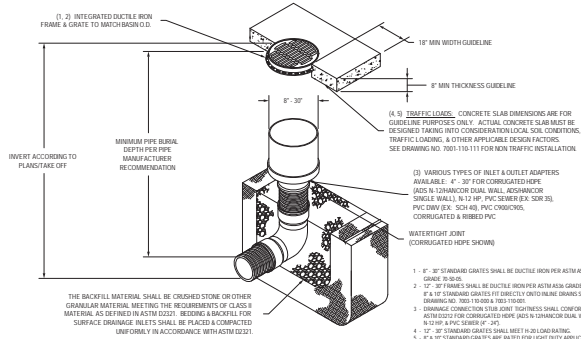
JLG
CONSTRUCTION

St. Cloud VA Health Care System

NOTE: ALL ORGANIC OR OTHER DECOMPOSIBLE MATERIAL SHALL BE REMOVED FROM BEHIND THE TRENCH.

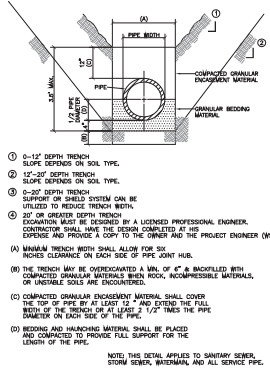


1 TYPICAL BITUMINOUS PATCH DETAIL

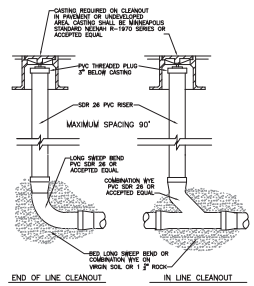


NOTE: DETAIL SHOWN IS FOR THE NYLOPLAST INLINE DRAIN TO PROVIDE A BASIS FOR COMPARISON TO OTHER PRODUCTS. SUBMIT OTHER PRODUCT FOR APPROVAL PRIOR TO SUBMITTING A BID.

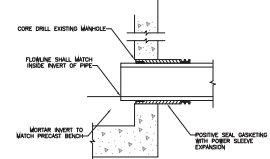
2 NYLOPLAST INLINE DRAIN DETAIL



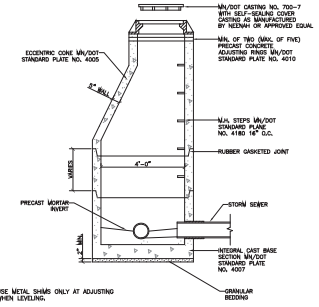
3 TYPICAL PIPE BEDDING DETAIL



4 CLEANOUT CASING



5 CORE DRILL DETAIL



6 STANDARD DESIGN 1' STORM MANHOLE

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NEW 1' CDL DETAILS	
PROJECT NO.	17-0013
PROJECT NAME	100% CD SET
DATE	10-12-2017
BY	CDL
CHECKED BY	CDL





PROJECT DESCRIPTION:

THE WORK ON THE PROJECT INCLUDES THE CONSTRUCTION OF TWO INFILL ADDITIONS AT BUILDING 28 AS WELL AS THE CONSTRUCTION OF A CORRIDOR LINK BETWEEN BUILDING 3 AND THE FUTURE INTERMEDIATE PSYCH BUILDING. CONSTRUCTION INCLUDES ASSOCIATED SIDEWALK, SANITARY SEWER SERVICES, WATERMAIN MODIFICATIONS, AND STORM SEWER CONSTRUCTION, INCLUDING THE CONSTRUCTION OF AN UNDERGROUND DETENTION/INTEGRATION SYSTEM. THE PROJECT IS LOCATED ON THE VA HEALTH CARE SYSTEM CAMPUS ALONG THE SAUK RIVER IN ST. CLOUD, STEARNS COUNTY, MINNESOTA. THE VA HEALTH CARE SYSTEM CAMPUS IS LOCATED NORTH AND WEST OF THE INTERSECTION OF VETERANS DRIVE AND 44TH AVENUE NORTH.

RECEIVING WATER:

THE RECEIVING WATER IS THE SAUK RIVER WHICH IS THE NORTHERLY BORDER OF THE PROPERTY, AND IS LISTED BY THE MPCA AS IMPURED.

RESPONSIBLE PARTIES:

THE ST. CLOUD VA AND THE CONTRACTOR ARE RESPONSIBLE CO-PERMITTEES FOR THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION, INSPECTION, MAINTENANCE, AND REPAIR OF ALL EROSION PREVENTION AND SEDIMENT CONTROL BMP'S BEFORE, DURING, AND AFTER ACTIVE CONSTRUCTION. THE ST. CLOUD VA IS RESPONSIBLE FOR THE LONG-TERM OPERATIONS AND MAINTENANCE OF ALL PERMANENT STORMWATER MANAGEMENT SYSTEMS. THE CONTRACTOR IS LIABLE UNTIL FINAL STABILIZATION OF ALL DISTURBED AREAS IS ACHIEVED AND THE NOTICE OF TERMINATION (NOT PERMIT MODIFICATION FORM IS SUBMITTED TO THE MPCA (AS SPECIFIED IN THE NPDES CONSTRUCTION PERMIT)).

PROJECT ENGINEER: ST. CLOUD VA
GRAN M. OLLINGER, PE
DESIGN TREE ENGINEERING, INC.
3309 W. ST. GERMAN, SUITE 250
ST. CLOUD, MN 56301
(505) 217-5557
GMD@DESIGNTREEENGINEERING.COM

CONTRACTOR: TBD

CONSTRUCTION NOTES:

CONSTRUCTION SHALL BE GOVERNED BY MINOT SPECIFICATIONS, SPECIAL PROVISIONS, AMENDMENTS AND THE PROJECT SPECIFICATIONS AND DETAIL PLATES. PERMITS AND MAPS RELATING TO THE PROJECT'S SWPPP CAN BE FOUND IN THE PROJECT MANUAL. THE CONTRACTOR SHALL KEEP THE INSPECTION AND MAINTENANCE LOG ON-SITE AT ALL TIMES DURING ACTIVE CONSTRUCTION. PLEASE REFER TO PLANS AND SPECIFICATIONS FOR ADDITIONAL SWPPP INFORMATION.

SPECIAL WATER, IMPAIRED WATER & TMDL IMPLEMENTATION PLANS:

THE SAUK RIVER IS LISTED AS IMPAIRED. ALL DISTURBED AREAS NOT ACTIVELY BEING WORKED MUST BE STABILIZED WITHIN 7 DAYS. RUNOFF FROM THE PROJECT FLOWS DIRECTLY TO THE RIVER. ST. CLOUD VA IS RESPONSIBLE FOR THE LONG TERM MAINTENANCE OF THE PROJECT INLET PROTECTION, SILT FENCES, FINAL STABILIZATION, AND BMP'S MUST BE IMPLEMENTED PRIOR TO ALLOWING ANY WATER RUNOFF TO BE COLLECTED WITHIN THE ST. CLOUD VA STORM SEWER COLLECTION SYSTEM.

CALCULATIONS:

AREA TO BE DISTURBED = 1.00 AC
PRE-CONSTRUCTION IMPERVIOUS AREA = 0.18 AC
POST-CONSTRUCTION IMPERVIOUS AREA = 0.14 AC
NET INCREASE IN IMPERVIOUS AREA = 0.06 AC

TIMING OF BMP INSTALLATION:

THE EROSION AND SEDIMENT CONTROL BMP'S SHALL BE INSTALLED AS NECESSARY TO MINIMIZE EROSION FROM DISTURBED SURFACES AND CAPTURE SEDIMENT ON-SITE AND SHALL MEET THE NPDES PERMIT PART IV CONSTRUCTION ACTIVITY REQUIREMENTS. PERIMETER CONTROLS SHALL BE PLACED PRIOR TO THE START OF ANY CONSTRUCTION. ALL DISTURBED AREAS NOT ACTIVELY BEING WORKED MUST BE STABILIZED WITHIN 7 DAYS.

STORM WATER POLLUTION PREVENTION PLAN (SWPPP):

THE PERMITTEES MUST IMPLEMENT THE ENTIRE SWPPP AND THE REQUIREMENTS OF THE NPDES PERMIT. THE BMP'S IDENTIFIED IN THE SWPPP AND IN THE PERMIT MUST BE SELECTED, INSTALLED AND MAINTAINED IN AN APPROPRIATE AND FUNCTIONAL MANNER THAT IS IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS AND ACCEPTED ENGINEERING PRACTICES.

CONTACTS:

AGENCY	PERMIT	NAME	PHONE NUMBER
Stearns County		Wayne Cymbala	(320) 856-3613
DNR Waters		Janell Marsh	(218) 739-7676 Ext. 292
AJCE		St. Paul Office	(651) 290-5375
State Data Office		MPCA	(800) 544-3096
SWPPP Designer		Gran M. Ollinger, PE	(505) 217-5557
Erosion Control Review		Daniel A. Felsom, PE	(505) 217-5557
Erosion Control Supervisor		TBD	

LOCATION OF SWPPP REQUIREMENTS:

DESCRIPTION	TITLE	SHEET # OR SPECIFICATION SECTION
Receiving Surface Water	Sauk River	N/A
Final Stabilization	Erosion Control Plan	CO102
Drainage Plans	Site Grading and Drainage Plan	CO101
Drainage Details	Civil Details	C102, C103
Erosion Control Sheets	Erosion Control Plan	CO102
Erosion Control Details	Erosion Control SWPPP Details	CO1

SEQUENCE OF CONSTRUCTION:

CONTRACTOR TO VERIFY THAT ALL APPLICABLE PERMITS HAVE BEEN OBTAINED AND NPDES PERMIT MODIFICATION FORM HAS BEEN SUBMITTED TO MPCA PRIOR TO THE START OF CONSTRUCTION.

1. PERMITTEE MUST PLAN FOR AND IMPLEMENT CONSTRUCTION PHASES, VEGETATION BUFFER STRIPS, HORIZONTAL SLOPE GRADING, AND OTHER CONSTRUCTION PRACTICES THAT MINIMIZE EROSION, SO THAT THE INSPECTION AND MAINTENANCE REQUIREMENTS OF PART IV.E. OF THE NPDES CONSTRUCTION PERMIT ARE COMPLIED WITH. THE LOCATION OF AREAS NOT TO BE DISTURBED MUST BE DELINEATED ON THE PROJECT BEFORE SITE WORK BEGINS.
2. SEDIMENT CONTROL PRACTICES MUST BE ESTABLISHED ON ALL DOWN-GRADIENT PERIMETERS BEFORE ANY UP GRADIENT LAND DISTURBING ACTIVITIES BEGIN. THESE PRACTICES SHALL REMAIN IN PLACE UNTIL FINAL STABILIZATION IS ACHIEVED.
3. CONTRACTOR TO ROUGH GRADE SITE AND PERFORM SITE CONSTRUCTION, THEN INSTALL AND MAINTAIN ALL TEMPORARY/PERMANENT EROSION CONTROL BMP'S AS SHOWN ON PLANS AND IN CONFORMANCE WITH NPDES CONSTRUCTION PERMIT REQUIREMENTS.
4. CONTRACTOR TO ACHIEVE FINAL STABILIZATION PRIOR TO SUBMISSION OF NOTICE OF TERMINATION.

DEWATERING AND BASIN DRAINING:

DEWATERING OR BASIN DRAINING THAT MAY HAVE TURBID OR SEDIMENT LADEN DISCHARGE WATER MUST BE DISCHARGED TO A TEMPORARY OR PERMANENT SEDIMENTATION BASIN ON THE PROJECT SITE WHENEVER POSSIBLE. DISCHARGE FROM THE TEMPORARY OR PERMANENT SEDIMENTATION BASIN MUST BE VISUALLY CHECKED TO ENSURE ADEQUATE TREATMENT IS OBTAINED IN THE BASIN AND NUISANCE CONDITIONS, IMPACTS TO WETLANDS, AND EROSION IN RECEIVING CHANNELS OR ON DOWN-SLOPE PROPERTIES WILL NOT RESULT FROM THE DISCHARGE. ADEQUATE SEDIMENTATION CONTROL MEASURES ARE REQUIRED FOR DISCHARGE WATER THAT CONTAINS SUSPENDED SOLIDS.

SOLID WASTE:

COLLECTED 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 WITH MPCA DISPOSAL REQUIREMENTS.

HAZARDOUS MATERIALS:

OIL, GASOLINE, PAINT AND HAZARDOUS SUBSTANCES MUST BE PROPERLY STORED, INCLUDING SECONDARY CONTAINMENT, TO PREVENT SPILLS, LEAKS OR OTHER DISCHARGE. RESTRICTED ACCESS TO STORAGE AREAS MUST BE PROVIDED TO PREVENT UNLAWFUL STORAGE AND DISPOSAL OF HAZARDOUS WASTE MUST BE IN COMPLIANCE WITH MPCA REGULATIONS.

CONCRETE WASHOUT ON-SITE:

ALL LIQUID AND SOLID WASTES GENERATED BY CONCRETE WASHOUT OPERATIONS MUST BE CONTAINED IN A LEAK-PROOF CONTAINMENT FACILITY. THE LIQUID AND SOLID WASTES MUST NOT CONTACT THE GROUND AND THERE MUST NOT BE RUNOFF FROM THE CONCRETE WASHOUT OPERATIONS OR AREAS.

100% CD SET



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