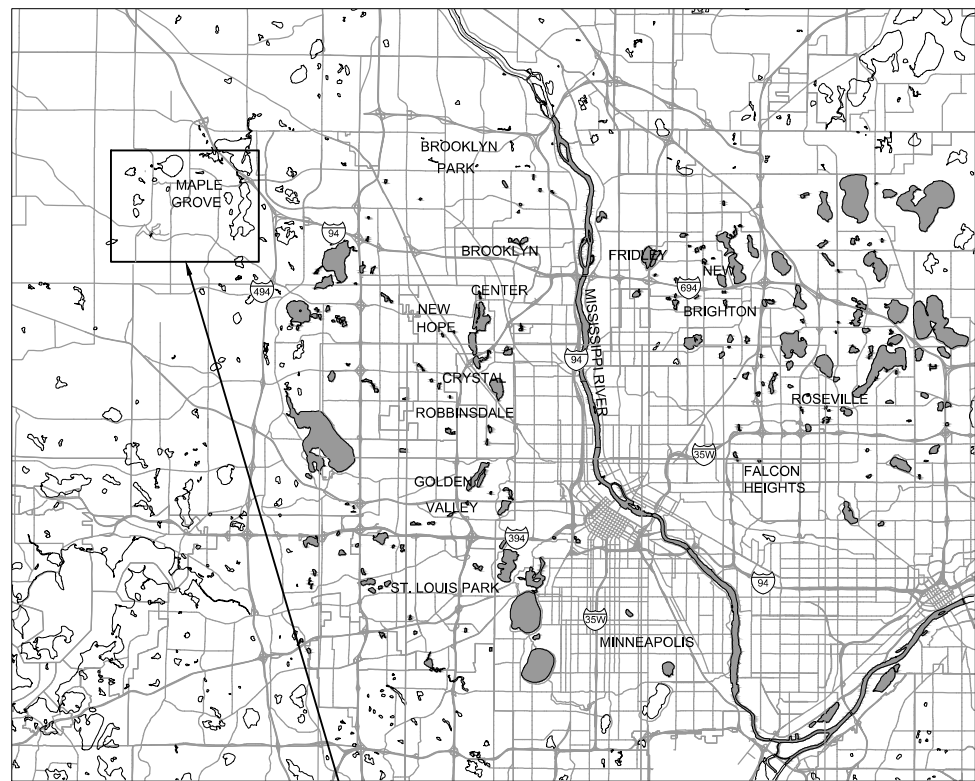


INTERCEPTOR 900416 BASS LAKE ROAD REPLACEMENT SEGMENT 247001 MCES PROJECT 808622 MCES CONTRACT 21P316

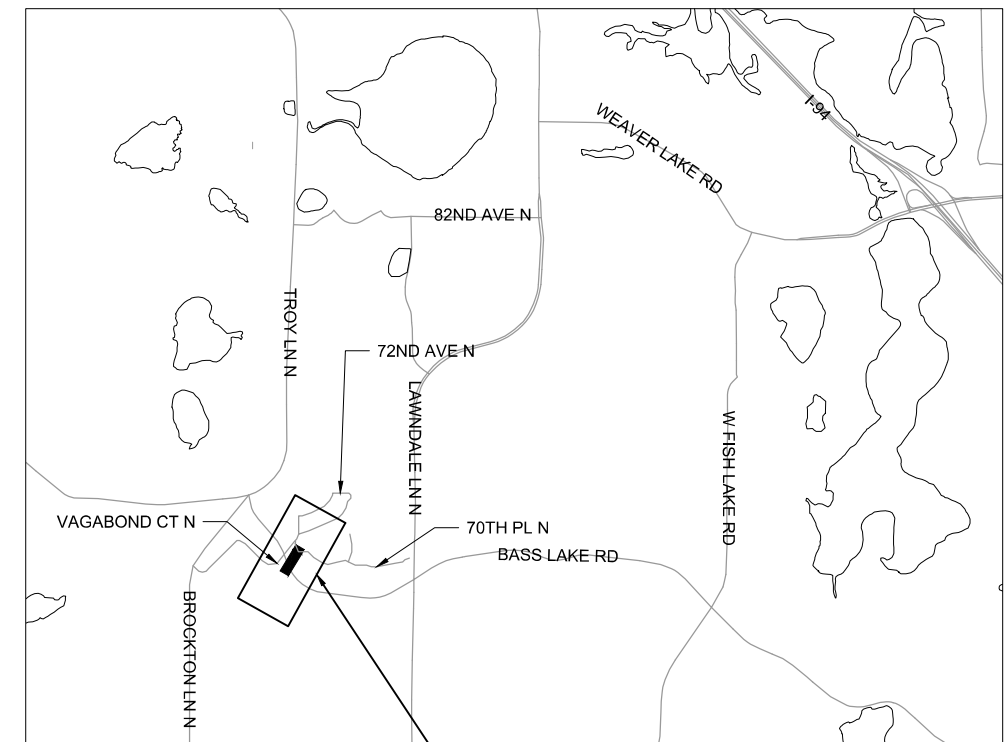


PROJECT LOCATION



VICINITY MAP
NO SCALE

SHEET INDEX		
SHEET NUMBER	DRAWING NUMBER	SHEET TITLE
GENERAL		
0	GI000	COVER SHEET
1	GI001	TITLE SHEET
2	GI002	LEGEND AND GENERAL NOTES
CIVIL UTILITIES		
3	CS001	EXISTING CONDITIONS
4	CT001	TEMPORARY TRAFFIC CONTROL PLAN
5	CG001	EROSION CONTROL AND RESTORATION PLAN
6	CU001	PLAN AND PROFILE STA 0+00 TO 2+59
7	CJ001	SLIPLINE DETAILS
8	CJ002	EROSION CONTROL DETAILS
9	CJ003	MISCELLANEOUS DETAILS



PROJECT LOCATION



LOCATION MAP
NO SCALE

CITY OF MAPLE GROVE APPROVAL

[Signature]

DATE: 07/01/2021 BY: [Signature]

TITLE: CIVIL ENGINEER

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DESIGNED	LJJ	<small> 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. </small>
DRAWN	LJJ	
CHECKED		
LPP		
TYPED OR PRINTED NAME: LAWRENCE P. POPPLER		
DATE: 07/01/2021		REG NO: 41005



PROJECT	808622
FILE NAME	GI001

INTERCEPTOR 900416 BASS LAKE ROAD

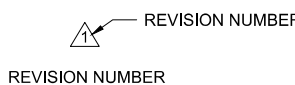
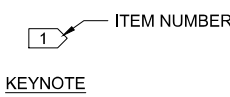
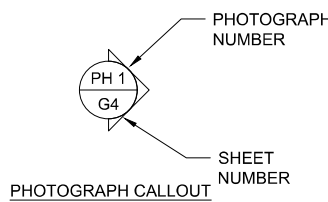
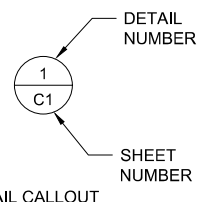
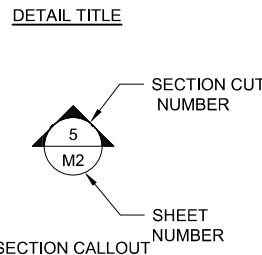
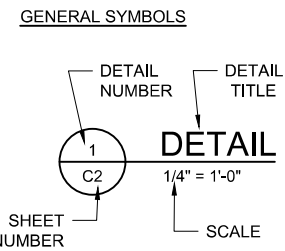
TITLE SHEET

GI001

1 of 9

SYMBOLS

SYMBOLS	SYMBOL DESCRIPTION
	BENCHMARK
	SOIL BORING INDICATOR
	BUILDING STRUCTURE
	CURB & GUTTER
	TREES
	BUSH LINE
	SIGN
	BOLLARD
	CONTOUR MAJOR
	CONTOUR MINOR
	CONTOUR DEPRESSION
	SPOT ELEVATION
	SANITARY MAINTENANCE HOLE
	STORM MAINTENANCE HOLE
	CATCH BASIN (PAVEMENT AREA)
	CATCH BASIN (GRASSY AREA)
	CATCH BASIN (CURB AREA)
	CULVERT
	WATER GATE VALVE
	WATER HYDRANT
	WATER MAINTENANCE HOLE
	GAS VALVE
	POWER POLE
	GUY WIRE
	UTILITY POLE
	TELEPHONE TV PEDESTAL
	REMOVAL OF EXISTING TREES
	INLET PROTECTION



LINE TYPES

SITE LINE TYPES	LINE TYPE NAME & DESCRIPTION
	DASHED2 (PERMANENT EASEMENT)
	DASH4 (TEMPORARY EASEMENT)
	PHANTOM2 (ASSUMED RIGHT OF WAY)
	DASHED (CONSTRUCTION LIMITS)
	XC (FENCE-CHAIN LINK)
	XS (SILTATION FENCE)
	FR (FIBER ROLL/BIOROLL)

GENERAL LINE TYPES	LINE TYPE NAME	COMMON USAGE
	CENTER	BUILDING GRID LINE
	CENTER2	CENTER LINE
	HIDDEN2	FUTURE WORK
	MATCH LINE	MATCH LINE

UTILITIES LINE TYPES	LINE TYPE NAME & DESCRIPTION
	SAN (SANITARY SEWER)
	SAN (SANITARY SEWER 18" & OVER)
	STRM (STORM SEWER)
	FM (FORCEMAIN)
	WATR (WATERMAIN)
	GAS (GAS)
	EOH (ELECTRICAL OVERHEAD)
	EUG (ELECTRICAL UNDERGROUND)
	CTV (CABLE TV)
	FOT (TELEPHONE FIBER OPTIC)
	TOH (TELEPHONE OVERHEAD)
	TUG (TELEPHONE UNDERGROUND)
	WAS (WASTE ACTIVATED SLUDGE)
	RAS (RETURN ACTIVATED SLUDGE)

HATCH PATTERNS

	BITUMINOUS PAVEMENT
	CONCRETE PAVEMENT
	CONCRETE GROUT
	AGGREGATE PAVEMENT
	VEGETATION
	GRADE
	AGGREGATE FILL
	COMPACTED FILL
	SAND
	REMOVAL
	OBJECT HATCH

GENERAL NOTES:

- LOCATIONS OF EXISTING PROPERTY LINES, ABOVE GRADE STRUCTURES, SUBSURFACE STRUCTURES, AND SOIL CONDITIONS ARE BASED ON BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. ACCURACY IS NOT GUARANTEED. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND DIMENSIONS OF ALL PERTINENT EXISTING ITEMS PRIOR TO CONSTRUCTION
- ALL CONSTRUCTION ACTIVITIES ARE TO BE CONFINED TO CONSTRUCTION LIMITS, EXISTING RIGHT OF WAY, AND EASEMENTS UNLESS OTHERWISE AUTHORIZED BY PROPERTY OWNER AND CAR. CONTRACTOR SHALL PROVIDE ALL SHORING AND PROTECTION AS NECESSARY TO KEEP EXCAVATION LIMITS WITHIN EXISTING RIGHT OF WAY AND EASEMENTS
- CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL (800-252-1166 OR 651-454-0002) AT LEAST 48 HOURS PRIOR TO START OF ANY EXCAVATION ACTIVITIES
- HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY AND RECORD THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD AND RECORD ANY CHANGES ON THE RECORD DRAWINGS
- CONTRACTOR SHALL CONTACT UTILITY OWNERS AND/OR PERFORM EXPLORATORY EXCAVATIONS TO DETERMINE THE EXACT LOCATIONS OF UNDERGROUND UTILITIES, FACILITIES AND OTHER ITEMS AS NECESSARY. IF ITEMS NEED RELOCATION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND SUBMIT A PLAN FOR APPROVAL WELL IN ADVANCE OF RELOCATING ANY ITEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL ARRANGEMENTS, INCLUDING APPROVAL AND COORDINATION, WITH FACILITY OWNER FOR RELOCATION OF AN ITEM
- CONTRACTOR SHALL SUPPORT ALL EXISTING UTILITY PIPING AND CONDUIT EXPOSED DURING CONSTRUCTION BY MEANS ACCEPTABLE TO UTILITY OWNER AND CAR. THE CONTRACTOR SHALL PROTECT ANY EXISTING THRUST BLOCKS ENCOUNTERED THAT MAY BE RESTRAINING EXISTING UTILITIES AND SHALL NOT UNDERMINE THEM
- VERIFY AND DOCUMENT LOCATIONS AND SIZES OF ALL ACTIVE EXISTING SERVICES AND LATERALS. REESTABLISH EXISTING ACTIVE SERVICE CONNECTIONS AND LATERALS UPON COMPLETION OF LINING INSTALLATION
- ALL TRAFFIC CONTROL SHALL BE PER MNMUTCD, LATEST EDITION
- SCREENED (LIGHT) DELINEATION SHOWN ON SHEETS DENOTES EXISTING FACILITIES. NON SCREENED (BOLD) DELINEATION IS PROPOSED WORK TO BE COMPLETED UNDER THIS CONTRACT

SANITARY SEWER NOTES:

- ALL STATIONS SHOWN ARE TAKEN OFF THE CENTERLINE OF THE EXISTING SEWER INTERCEPTOR PIPING
- PIPE LENGTHS FOR GRAVITY SEWER ARE BASED ON THE HORIZONTAL DISTANCE BETWEEN CENTERS OF MANHOLES ALONG THE CENTERLINE OF THE PIPING
- ALL BACKFILL FOR SEWER EXCAVATIONS SHALL BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY
- PLAN AND PROFILE SHEETS ARE BASED ON RECORD DOCUMENTS FROM PREVIOUS PROJECTS AND PRE-CONSTRUCTION SURVEY. GROUND SURFACE CONTOURS AND EXACT LOCATIONS OF PIPE MAY VARY

UTILITY CONTACT INFORMATION:

PURSUANT TO THE REQUIREMENTS OF M.S. 216D.04, THE STATE ONE CALL NOTIFICATION CENTER WAS CONTACTED ON 04/16/2020 (TICKET NO. 201070976). SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL C. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-2, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA." THIS INFORMATION MAY NOT BE RELIED ON AS WARRANTING THE ACTUAL PRESENCE, CHARACTERISTICS, OR LOCATION OF THE UNDERGROUND FACILITIES, AND DOES NOT RELIEVE ANY PERSON FROM COMPLYING W/ STATE NOTIFICATION AND LOCATION. NOT ALL SANITARY SEWER SERVICES AND WATER SERVICES ARE SHOWN

GOPHER STATE ONE CALL LOCATE REQUESTS:
CALL 811 OR 651-454-0002 OR 800-252-1166

WEB ADDRESS:
WWW.GOPHERSTATEONECALL.ORG/SUBMIT



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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.

SIGNATURE: *Lawrence P. Poppler*

TYPED OR PRINTED NAME: LAWRENCE P. POPPLER

DATE: 07/01/2021 REG NO: 41005



PROJECT	808622
FILE NAME	G1002

INTERCEPTOR 900416 BASS LAKE ROAD

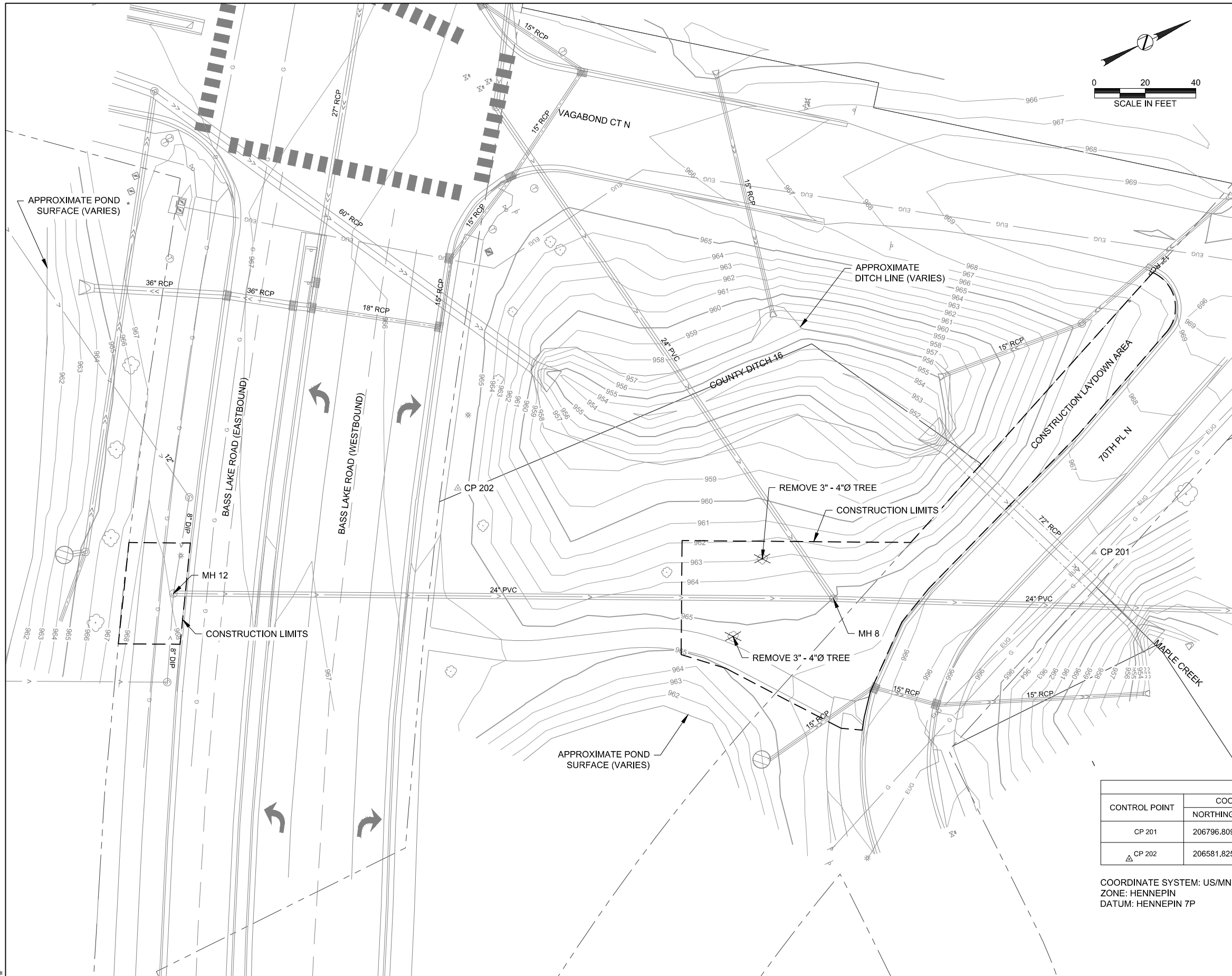
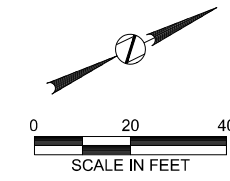
LEGEND AND GENERAL NOTES

G1002

2 of 9

GENERAL NOTES:

1. LOCATIONS OF EXISTING PROPERTY LINES, ABOVE GRADE STRUCTURES, SUBSURFACE STRUCTURES, AND SOIL CONDITIONS ARE BASED ON BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. ACCURACY IS NOT GUARANTEED. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND DIMENSIONS OF ALL PERTINENT EXISTING ITEMS PRIOR TO CONSTRUCTION
2. ALL CONSTRUCTION ACTIVITIES ARE TO BE CONFINED TO EXISTING RIGHT OF WAY, EASEMENTS, AND ACCESS PERMIT AREAS UNLESS OTHERWISE AUTHORIZED BY CAR AND ENGINEER. CONTRACTOR SHALL PROVIDE ALL SHORING AND PROTECTION AS NECESSARY TO KEEP EXCAVATION LIMITS WITHIN EXISTING RIGHT OF WAY AND EASEMENTS
3. CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL (800-252-1166 OR 651-454-0002) AT LEAST 48 HOURS PRIOR TO START OF ANY EXCAVATION ACTIVITIES
4. HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY. CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL VERIFY AND RECORD THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD AND RECORD ANY CHANGES ON THE RECORD DRAWINGS
5. MH 8 ACCESS SHALL BE FROM 70TH PL N
6. CLOSURES OF BASS LAKE ROAD ARE TO BE AVOIDED. IF NECESSARY FOR MH 12 ACCESS, CONTRACTOR SHALL OBTAIN COUNTY ROW PERMITS AND SHALL SUBMIT FOR APPROVAL A TRAFFIC CONTROL PLAN FOR APPROVAL BY CAR AND ENGINEER



HORIZONTAL & VERTICAL CONTROL POINTS				
CONTROL POINT	COORDINATES		ELEVATION	DESCRIPTION
	NORTHING	EASTING		
CP 201	206796.809	466695.299	966.552	SPIKE ON NORTH SIDE OF SIDEWALK ALONG 70TH PL, 130 FT SOUTH OF VAGABOND LN
CP 202	206581.825	466562.859	965.821	SPIKE ON NORTH SIDE OF SIDEWALK ALONG BASS LAKE RD, 150 FT SOUTH OF VAGABOND LN

COORDINATE SYSTEM: US/MN COUNTY
 ZONE: HENNEPIN
 DATUM: HENNEPIN 7P

CITY OF MAPLE GROVE APPROVAL

 LAWRENCE P. POPPLER
 PROFESSIONAL ENGINEER

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 DATE: 07/01/2021 REG NO: 41005



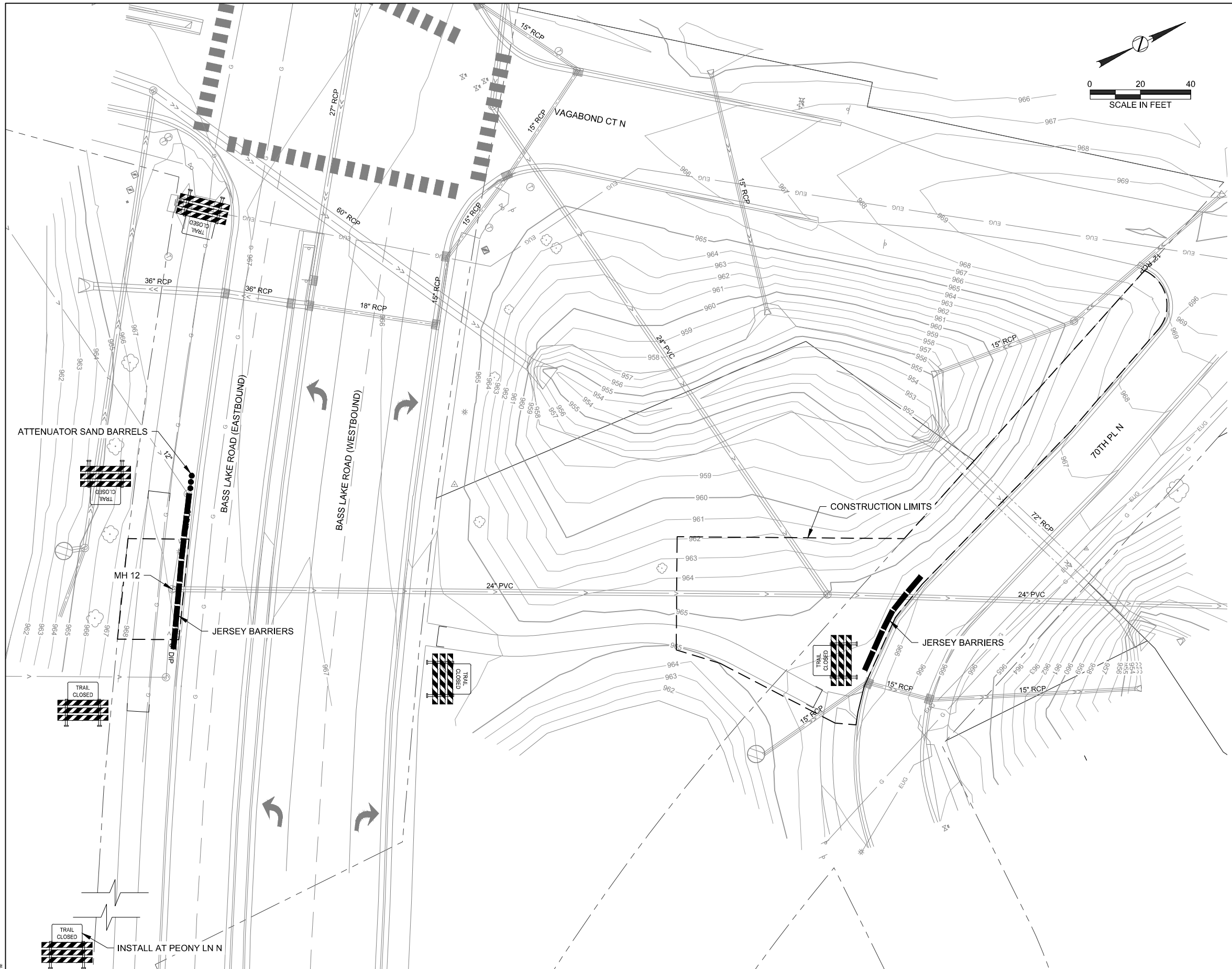
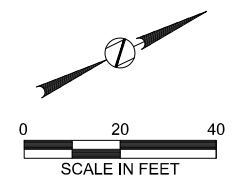
PROJECT: 808622
 FILE NAME: CS001

INTERCEPTOR 900416 BASS LAKE ROAD
 EXISTING CONDITIONS

CS001
 3 of 9

GENERAL NOTES:

1. CLOSURES OF BASS LAKE ROAD ARE TO BE AVOIDED. IF NECESSARY FOR MH 12 ACCESS, CONTRACTOR SHALL OBTAIN COUNTY ROW PERMITS AND SHALL SUBMIT FOR APPROVAL A TRAFFIC CONTROL PLAN FOR APPROVAL BY CAR AND ENGINEER
2. ANY LANE CLOSURES MUST FOLLOW THE LATEST EDITION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES



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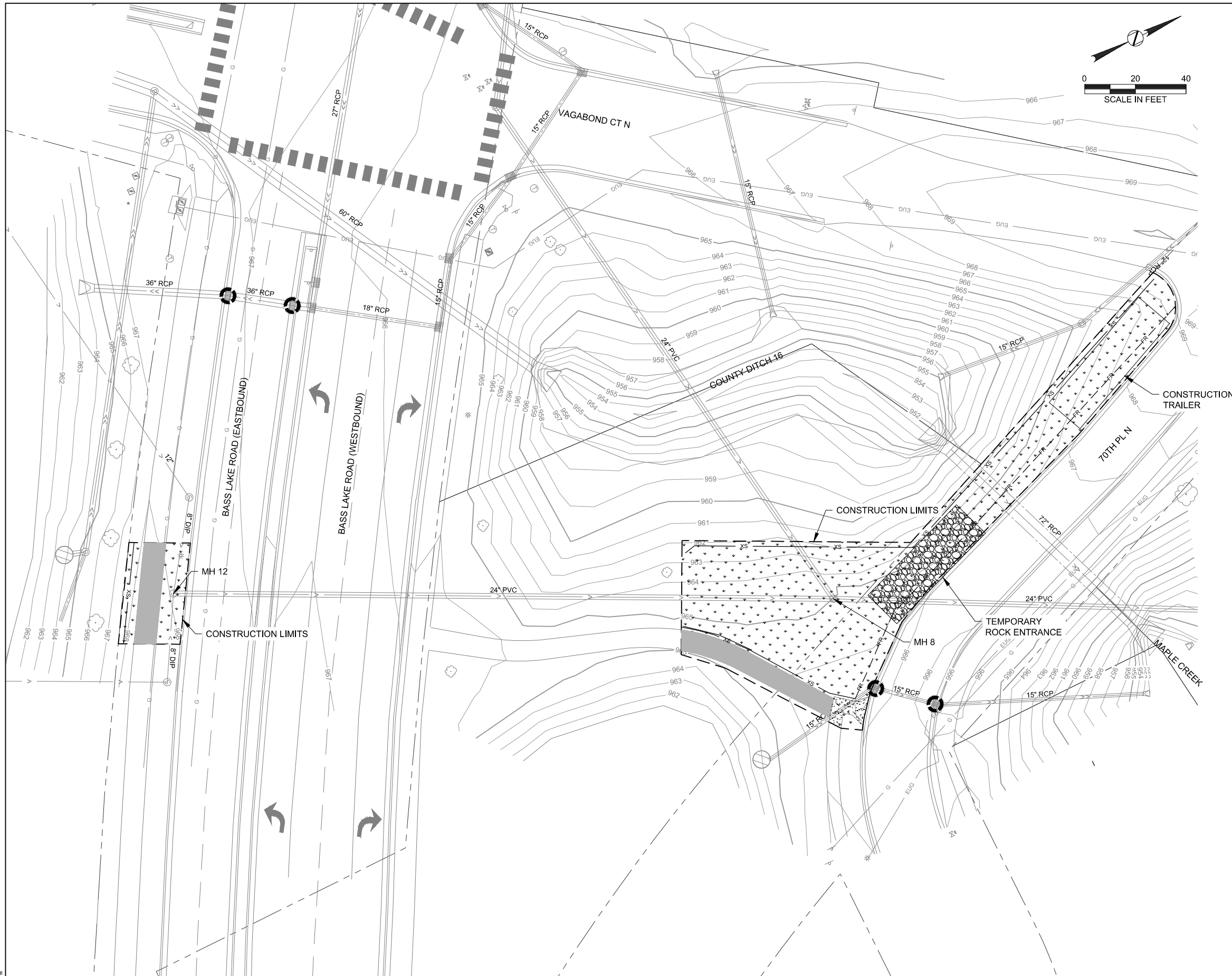


PROJECT: 808622
 FILE NAME: CT001

INTERCEPTOR 900416 BASS LAKE ROAD
 TEMPORARY TRAFFIC CONTROL PLAN

CITY OF AMPLE GROVE APPROVAL
Lawrence P. Poppler
 NAME: LAWRENCE P. POPPLER
 TITLE: PUBLIC WORKS DEPARTMENT CHIEF
 DATE:

CT001
 4 of 9



GENERAL NOTES:

- RESTORE EXISTING BITUMINOUS SURFACING, CURB AND GUTTER, AND SIDEWALK TO PRE-EXISTING CONDITIONS. IF BITUMINOUS TRAIL IS DISTURBED, ENTIRE WIDTH OF THE PATH SHALL BE REPLACED IN ITS ENTIRETY
- ALL DISTURBED NON PAVED AREAS SHALL BE RESTORED TO EXISTING GRADE OR AS DIRECTED BY THE CAR, AND FINISHED WITH 6" OF TOPSOIL BORROW, SEED MIX 34-262, AND HYDROMULCH
- CONTRACTOR IS RESPONSIBLE FOR MAINTAINING COMPLIANCE WITH ALL EROSION CONTROL REQUIREMENTS AND PERMITS, INCLUDING BUT NOT LIMITED TO: NPDES GENERAL CONSTRUCTION STORMWATER PERMIT, CITY PERMITS, AND WATERSHED DISTRICT PERMITS

KEYNOTES:

- INSTALL DOUBLE ROW OF SILT FENCE WITHIN 100 FT OF CULVERTS, CREEKS, OR PONDS

LEGEND:

- RESTORE DISTURBED EARTH/VEGETATION WITH 6" OF TOPSOIL, SEEDMIX 34-262, AND HYDROMULCH
- REPLACE BITUMINOUS PAVEMENT
- REPLACE DAMAGED CONCRETE
- DOUBLE ROW OF SILT FENCE
- INLET PROTECTION

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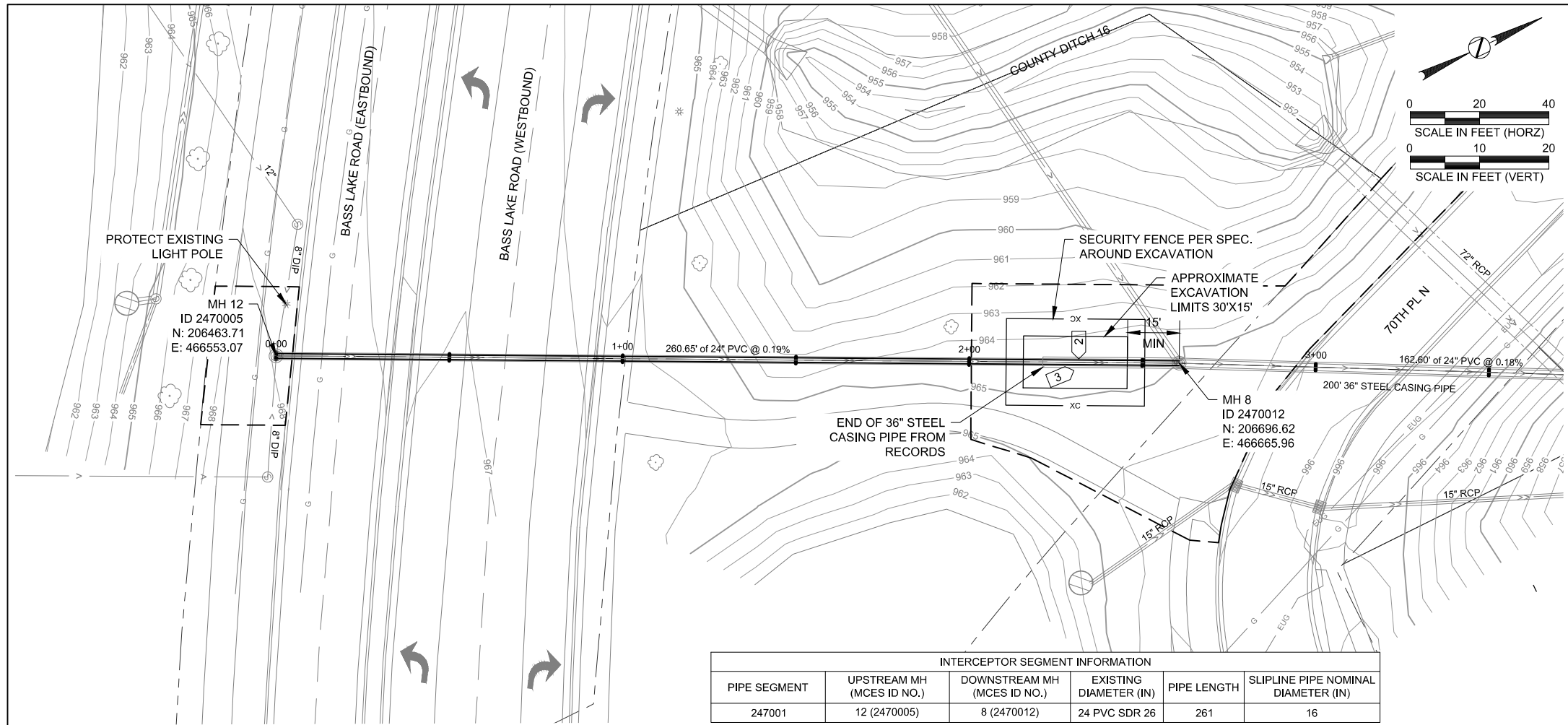
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INTERCEPTOR 900416 BASS LAKE ROAD
 EROSION CONTROL AND RESTORATION PLAN

CITY OF MAPLE GROVE APPROVAL

 LAWRENCE P. POPPLER
 CIVIL ENGINEER

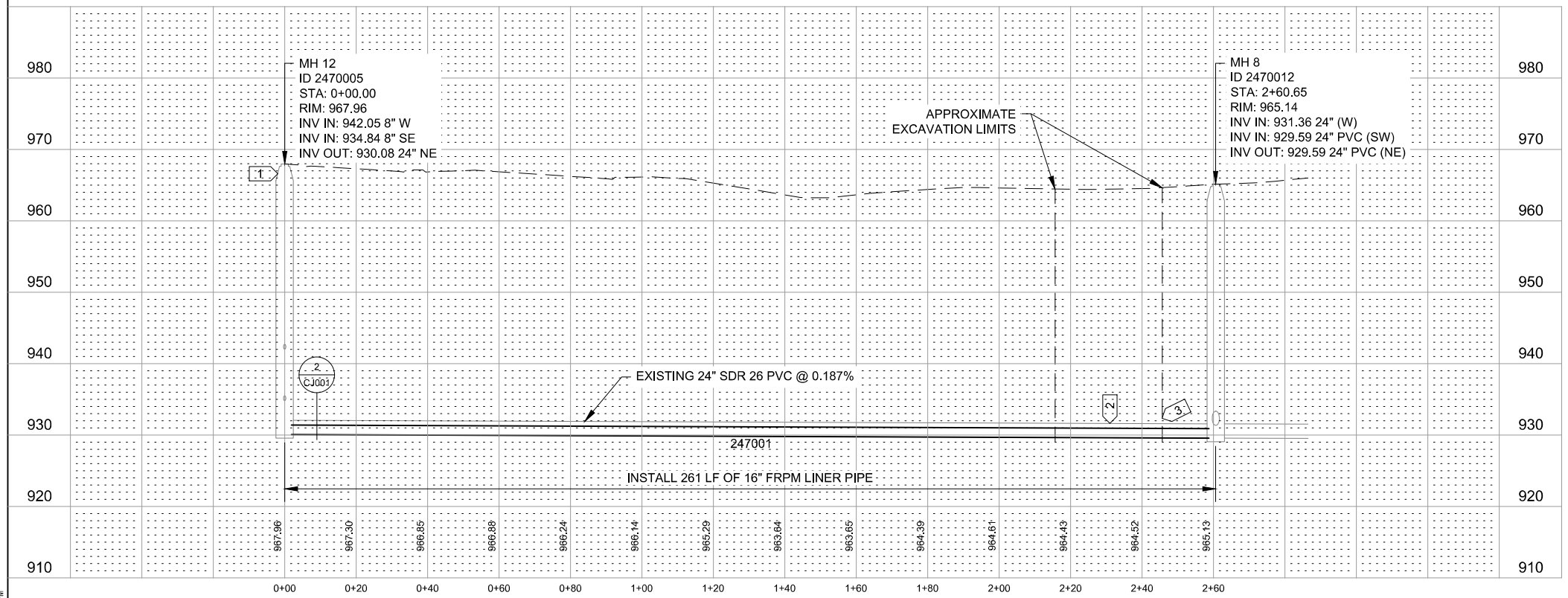
CG001
 5 of 9



GENERAL NOTES:

1. PROTECT ALL EXISTING UTILITIES FROM DAMAGE. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING ITEMS, UTILITIES AND STRUCTURES FROM DAMAGE DURING CONSTRUCTION. THE CONTRACTOR SHALL RESTORE ALL PROPERTY INCLUDING, BUT NOT LIMITED TO, DRAINAGE SWALES, GRADING, LANDSCAPING, IRRIGATION, AND VEGETATION DISTURBED BY CONTRACT ACTIVITIES TO PRECONSTRUCTION CONDITION
2. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL EXCESS EXCAVATED MATERIAL, SOILS, AND DEMOLITION DEBRIS TO AN OFF-SITE LOCATION
3. BACKFILL SHALL BE GRANULAR BORROW MEETING THE REQUIREMENTS OF MNDOT 3149.2D.1. BACKFILL SHALL BE COMPACTED TO 95% MODIFIED PROCTOR DENSITY EXCEPT UPPER 3 FEET, UNDER PAVED AREAS SHALL BE 100% MODIFIED PROCTOR DENSITY
4. CONTRACTOR SHALL AVOID DAMAGE TO EXISTING ROADWAYS AND PAVEMENT BY OBSERVING ALL LOAD LIMITS AND OFF-LOADING OF EQUIPMENT IN ACCORDANCE WITH CITY, COUNTY AND MNDOT STANDARDS. CONTRACTOR SHALL NOT DISTURB TRAFFIC EXCEPT AS PREVIOUSLY APPROVED TO DO SO BY THE APPLICABLE ROADWAY AUTHORITY AND ENGINEER
5. PROVIDE FULL DEPTH SAW CUT WHERE EXISTING PAVEMENT, CURB, TRAIL OR SIDEWALK IS BEING REMOVED
6. REPLACE ANY PORTION OF TRAIL OR SIDEWALK, AT FULL DEPTH WIDTH, WHICH IS DAMAGED DURING CONSTRUCTION
7. ANY DAMAGED OR REMOVED PAVEMENT SHALL BE REPLACED IN KIND
8. ANY DAMAGED CURB OR REMOVED CURB AND GUTTER SHALL BE IN KIND
9. ALL DISTURBED NON PAVED AREAS SHALL BE RESTORED TO EXISTING GRADE OR AS DIRECTED BY THE CAR, AND FINISHED WITH 6" OF TOPSOIL BORROW AND SEED
10. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING COMPLIANCE WITH ALL EROSION CONTROL REQUIREMENTS AND PERMITS, INCLUDING BUT NOT LIMITED TO: NPDES GENERAL CONSTRUCTION STORMWATER PERMIT, CITY PERMITS, AND WATERSHED DISTRICT PERMITS
11. ENCLOSE ANY OPEN CASTING, STRUCTURE, TRENCH, HOLE, ETC. WITH SAFETY FENCING WHEN WORKERS ARE NOT PRESENT
12. EXCAVATION SUPPORT SYSTEM TO BE DESIGNED AND INSTALLED BY CONTRACTOR. SUBMIT EXCAVATION AND SUPPORT PLAN TO ENGINEER PRIOR TO BEGINNING WORK
13. INTERCEPTOR SEGMENT NUMBER SHOWN BELOW PROFILE OF PIPE
14. CONTRACTOR SHALL NOT BE COMPENSATED FOR REPLACEMENT OF PAVED SURFACES OUTSIDE OF CONSTRUCTION LIMITS UNLESS OTHERWISE APPROVED BY CAR IN ADVANCE
15. EXCAVATED MATERIAL SHALL BE REMOVED FROM THE PROJECT LIMITS. AT THE CONCLUSION OF THE PIPE WORK, GRANULAR BORROW SHALL BE PLACED AND COMPACTED WITHIN EXCAVATION UP TO 5 FEET BELOW GRADE. THE UPPER 5 FEET SHALL BE ORIGINAL MATERIAL AND SALVAGED TOPSOIL. PLEASE REVIEW BRAUN INTERTEC REPORT DATED NOVEMBER 25, 2019 FOR DETAILS
16. 36" Ø STEEL CASING PIPE

INTERCEPTOR SEGMENT INFORMATION					
PIPE SEGMENT	UPSTREAM MH (MCES ID NO.)	DOWNSTREAM MH (MCES ID NO.)	EXISTING DIAMETER (IN)	PIPE LENGTH	SLIPLINE PIPE NOMINAL DIAMETER (IN)
247001	12 (2470005)	8 (2470012)	24 PVC SDR 26	261	16



KEYNOTES:

1. IF CONE IS REMOVED, IT CANNOT BE REUSED AND MUST BE REPLACED, SEE 1/CJ003
2. REMOVE TOP HALF PIPE AS NECESSARY TO SLIPLINE A 16" FRPM PIPE
3. FLOWABLE FILL ENTIRETY OF EXCAVATED AREA FLOOR TO CONTAIN POTENTIAL BYPASS

CITY OF APPLE GROVE APPROVAL

 LAWRENCE P. POPPLER
 PROFESSIONAL ENGINEER
 LICENSE NO. 41005

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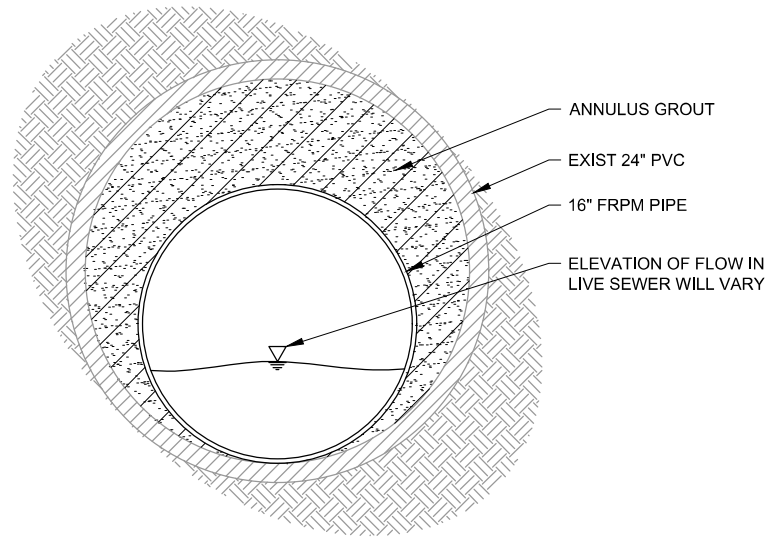
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INTERCEPTOR 900416 BASS LAKE ROAD
 PLAN AND PROFILE STA 0+00 TO 2+59

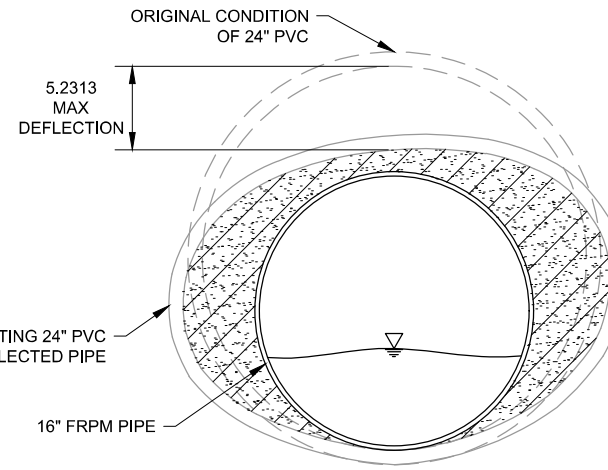
CU001
 6 of 9

NOTES:

1. INSTALL BULKHEADS TO CONTAIN AND PREVENT WASHING OUT OF ANNULUS GROUT
2. GROUTING OPERATIONS SHALL BE DONE IN A MANNER THAT PREVENTS THE SLIPLINE PIPE FROM FLOATING OR DAMAGE TO EITHER THE HOST PIPE OR SLIPLINE PIPE. ENSURE GROUT PRESSURES DO NOT EXCEED MANUFACTURERS RECOMMENDATIONS
3. CONTRACTOR CAN USE A VARIETY OF METHODS TO PREVENT SLIPLINE PIPE FROM FLOATING AS APPROVED BY CAR. COMPENSATION FOR THESE METHODS ARE INCLUDED IN THE PIPE GROUT BID ITEM



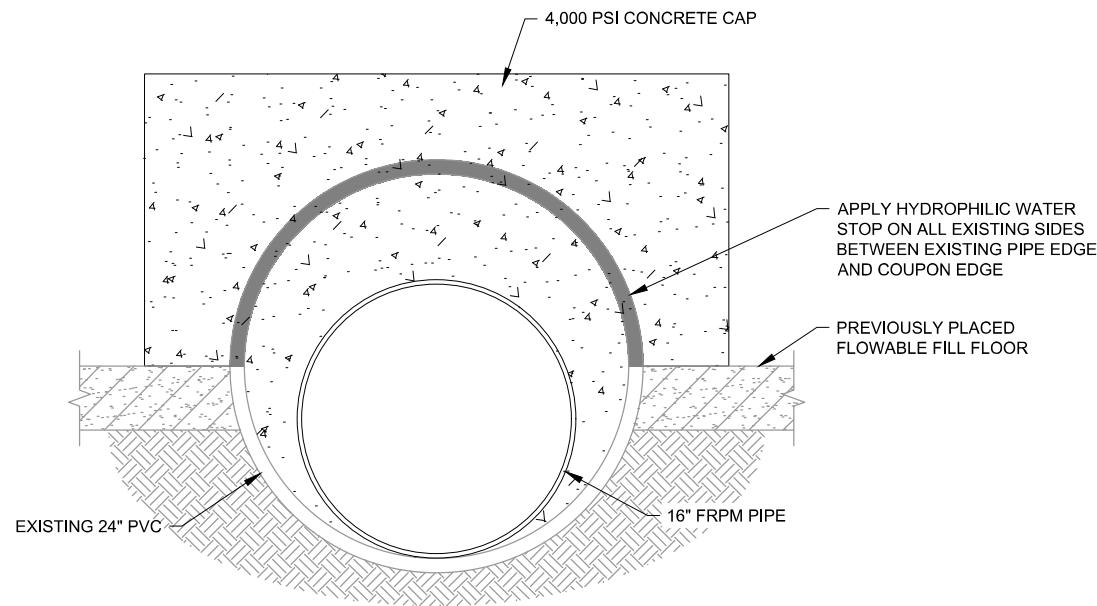
1 TYPICAL SLIPLINE DETAIL
CJ001 NO SCALE



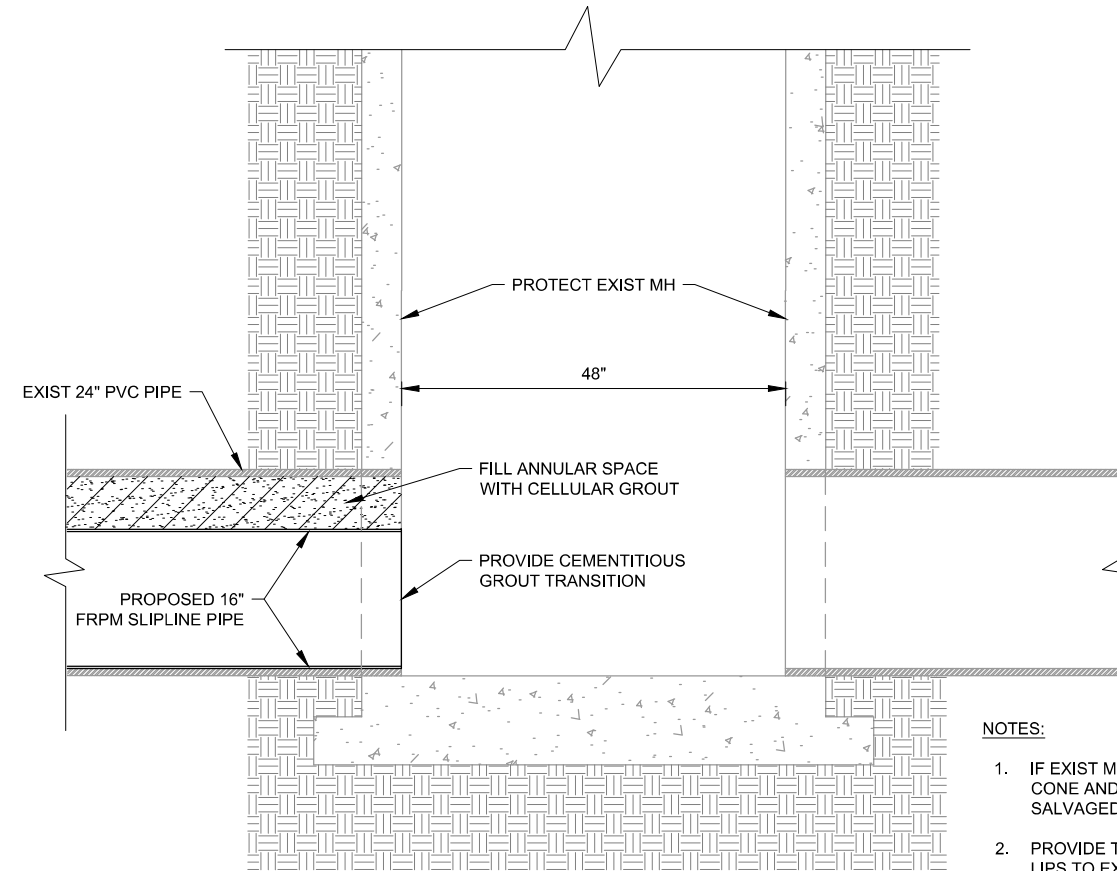
NOTES:

1. GROUT ANNULAR SPACE PER DETAIL 1/CJ001
2. MAX DEFLECTION LOCATED AT APPROXIMATELY STA. 0+09
3. PIPE DEFLECTION ALONG PIPE SEGMENT DISPLAYED IN PROJECT MANUAL

2 PIPE SECTION - STA. 0+09 MAXIMUM DEFLECTION
CJ001 NO SCALE



3 JACKING PIT PIPE RESTORATION
CJ001 NO SCALE



NOTES:

1. IF EXIST MH CONE IS REMOVED REPLACE CONE AND CHIMNEY, MH CASTING CAN BE SALVAGED AND REUSED
2. PROVIDE TRANSITION FROM SLIPLINE PIPE LIPS TO EXISTING FLOW CHANNEL IN MH WITH CEMENTITIOUS GROUT TRANSITION TO BE FROM INVERT TO SPRINGLINE AT BOTH ENDS OF SLIPLINE PIPE

4 TYPICAL MH CONNECTION DETAIL
CJ001 NO SCALE

CITY OF APPLETON APPROVAL
[Signature]
DATE: 07/01/21
BY: LAWRENCE P. POPPLER

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NO	DATE	BY	REVISIONS	REMARKS
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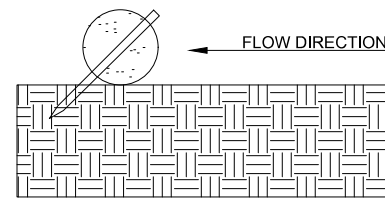
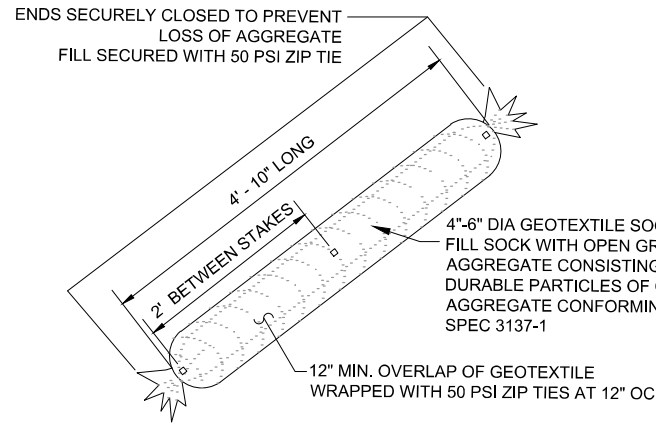
DESIGNED	LPP
DRAWN	LPP
CHECKED	LPP
TYPED OR PRINTED NAME	LAWRENCE P. POPPLER
DATE	07/01/2021
REG NO	41005



PROJECT	808622
FILE NAME	CJ001

INTERCEPTOR 900416 BASS LAKE ROAD
SLIPLINE DETAILS

CJ001
7 of 9

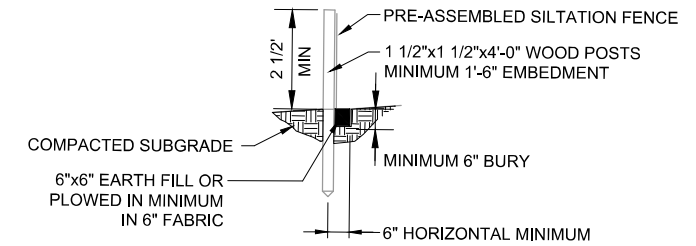
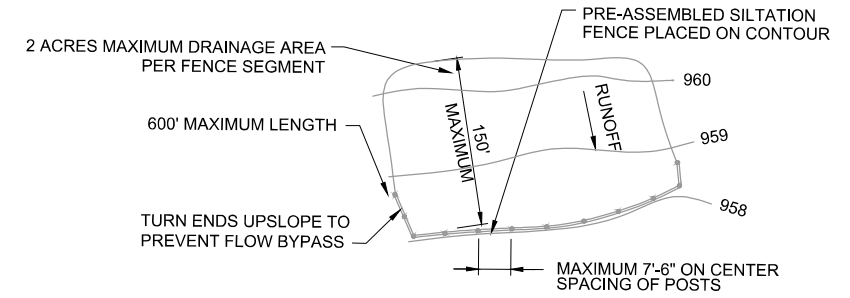


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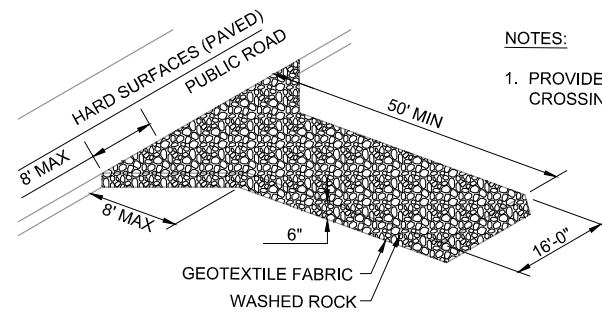
1. PLACE BIOROLLS IN ACCORDANCE WITH MNDOT 3897F
2. PLACE BIOROLLS IN 2" DEEP TRENCH
3. STAKE INTO THE GROUND WITH WOOD STAKES
4. WOOD STAKES ARE A MINIMUM 0.5"x2"x16" LONG PLACED EVERY 2' UNLESS OTHERWISE PRECLUDED TO PAVED SURFACE OR ROCK
5. WOOD STAKES DRIVEN THROUGH BACK HALF OF BIOROLL AT AN APPROXIMATE 45 DEG ANGLE WITH TOP OF STAKE POINTING UPSTREAM
6. WHEN MORE THAN 1 BIOROLL LOG IS NEEDED, OVERLAP ENDS A MINIMUM OF 6" AND STAKE

NOTES:

1. WHEN DISTANCE EXCEEDS 150' OR DRAINAGE AREA EXCEEDS 2 ACRES, USE HEAVY DUTY SILTATION FENCE WITHOUT BALE BACKING



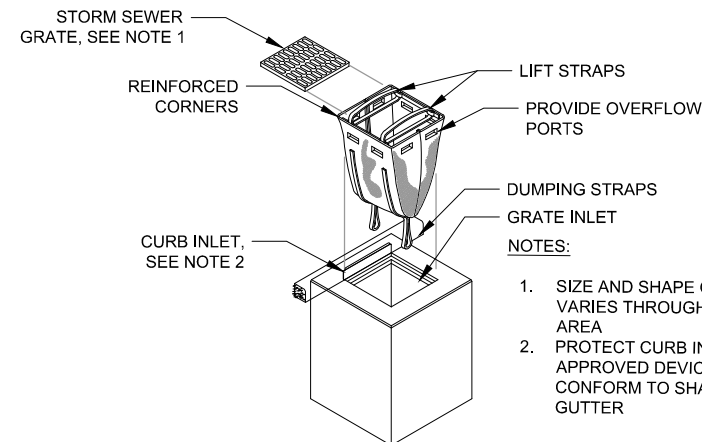
1 SEDIMENT CONTROL LOG (BIOROLL)
NO SCALE



NOTES:

1. PROVIDE TEMPORARY CULVERT WHEN CROSSING ROADSIDE DITCHES

2 TEMPORARY ROCK CONSTRUCTION ENTRANCE
NO SCALE



3 INLET PROTECTION SEDIMENT FILTER SACK
NO SCALE

4 SILTATION FENCE
NO SCALE

CITY OF AMPLER APPROVAL
[Signature]

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PLOTTED: 7/20/2021 8:52:48 AM
MODIFIED: 5/12/2021 8:21:24 AM

NO	DATE	BY	REVISIONS	REMARKS	NO	DATE	BY	REVISIONS	REMARKS
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DESIGNED: LJJ
DRAWN: LJJ
CHECKED: LPP

DATE: 07/01/2021 REG NO: 41005

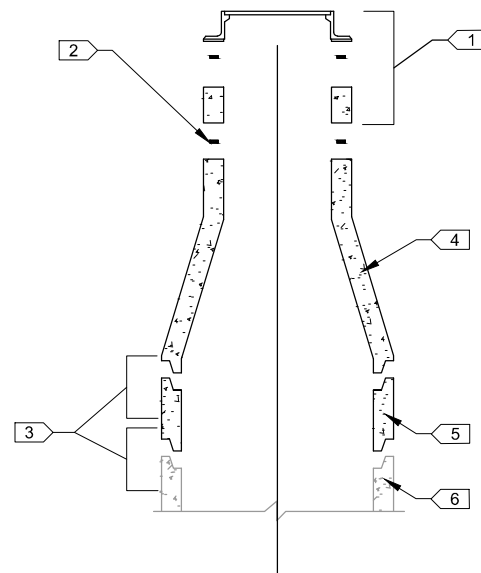
LAWRENCE P. POPPLER



PROJECT: 808622
FILE NAME: CJ002

INTERCEPTOR 900416 BASS LAKE ROAD
EROSION CONTROL DETAILS

CJ002
8 of 9



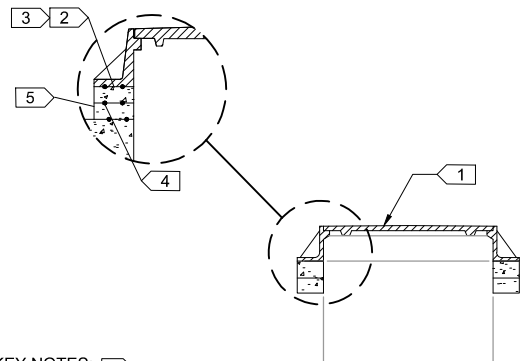
1 MH CASTING AND CONE SECTION
CJ003 NO SCALE

GENERAL NOTES:

- EACH JOINT BETWEEN MAINTENANCE HOLE BARREL SECTIONS OR CONE SECTIONS SHALL HAVE A STANDARD GASKET OF NEW BITUMASTIC MATERIAL
- RESTORATION SHALL BE PER SPECIFICATION SECTION 02900

KEY NOTES:

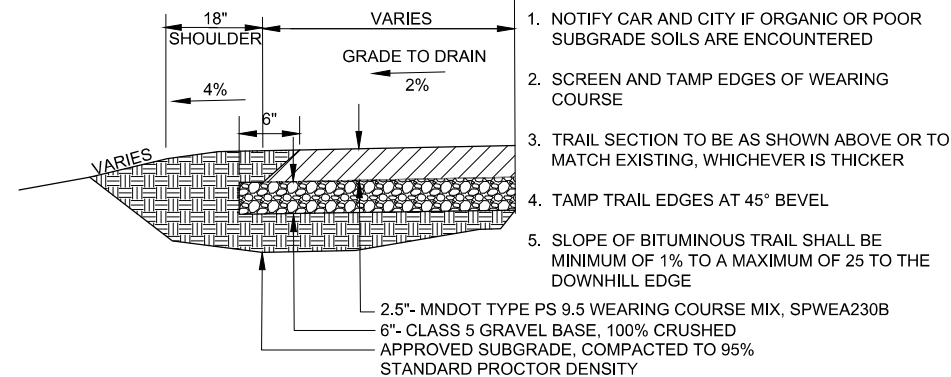
- MH FRAME, COVER, AND GRADE RINGS PER DETAIL 4/CJ1
- 3/8" FULL BED OF MORTAR. LEVELING TO MATCH GRADE SHALL BE ACCOMPLISHED WITH MORTAR BED
- WRAP EACH EXPOSED JOINT WITH WATERPROOF MEMBRANE
- NEW MAINTENANCE HOLE CONE SECTION
- MAINTENANCE HOLE RISER SECTION (12" MINIMUM) AS NEEDED
- EXISTING STRUCTURE



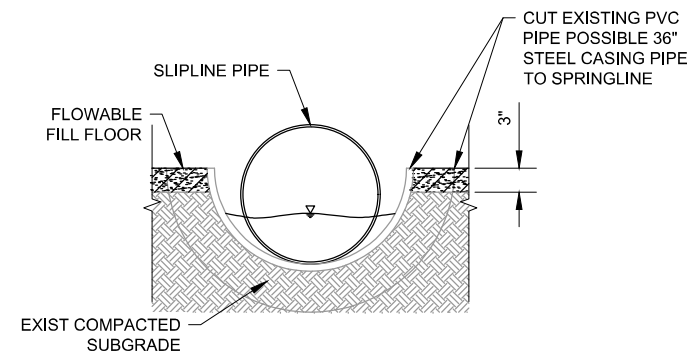
KEY NOTES:

- MH FRAME AND COVER. NEENAH R-1733. PROVIDE SOLID LID WITH TWO CONCEALED PICK HOLES AND 3/4" RAISED LETTERS READING "INTERCEPTOR SANITARY SEWER" FOR MCES MHS. COVER SHALL BE WATER TIGHT WITH FOUR BOLTS AND A SEAL
- ADJUSTING RING. RINGS TO PROVIDE LOAD TRANSFER AS REQUIRED TO MAINTAIN MH LOAD RATING. 2 RINGS MAX
- HDPE OR EPP ADJUSTING RINGS. SEE SPECIFICATIONS
- SEALANT SHALL BE APPLIED PER ADJUSTING RING MANUFACTURER DIRECTIONS. SEE SPECIFICATIONS
- EXTERNAL WRAP. INFI-SHIELD UNIBAND OR APPROVED EQUAL

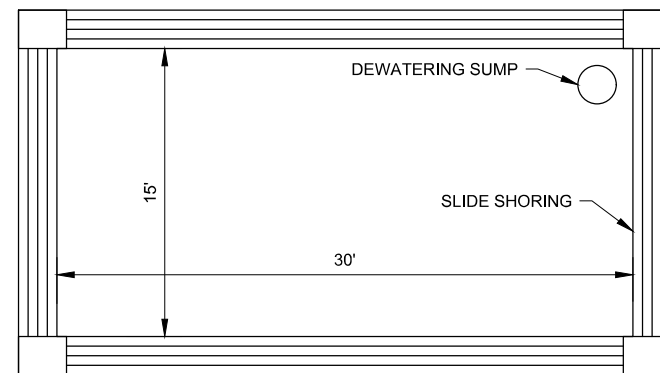
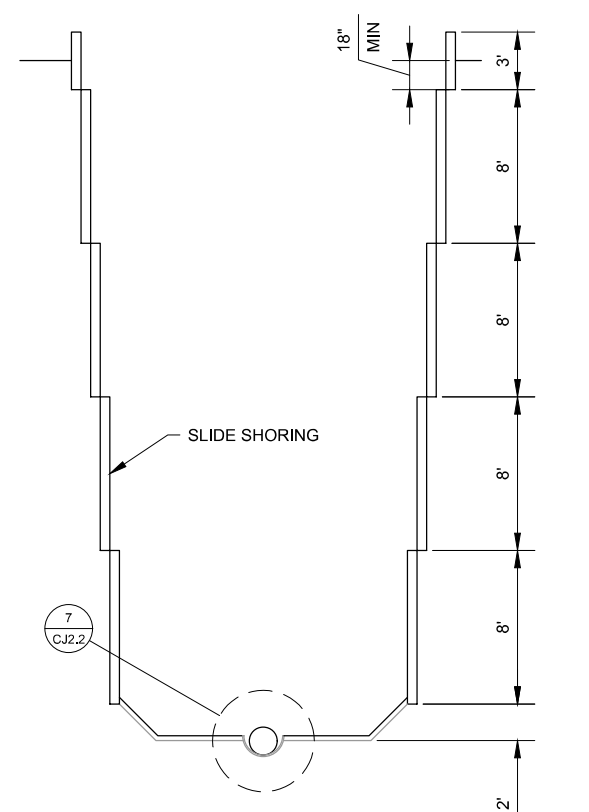
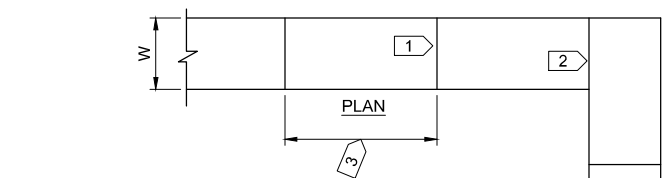
2 GRADE RINGS AND CASTING DETAIL
CJ003 NO SCALE



3 TRAIL RECONSTRUCTION
CJ003 NO SCALE



7 JACKING PIT SECTION
CJ003 NO SCALE

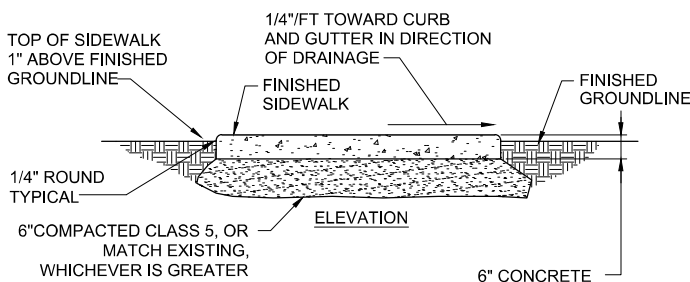


NOTES:

- DESIGN IS BASED ON SOIL INFORMATION PROVIDED BY PROJECT SOIL REPORT
- EXCAVATION SHALL BE DEWATERED TO THE BOTTOM OF THE EXCAVATION
- EXCAVATION SHALL BE VISUALLY EXAMINED DAILY BY COMPETENT PERSON
- IF SLOUGHING, SEEPAGE THROUGH SLOPE OR TENSION CRACKS ARE OBSERVED ON THE SLOPE OR NEAR THE TOP OF SLOPE, EVACUATE ALL PERSONNEL FROM THE EXCAVATION AND CONTACT PEM IMMEDIATELY
- PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES
- CONTRACTOR SHALL SUBMIT FOR APPROVAL AN EXCAVATION PLAN SIGNED BY A REGISTERED ENGINEER OF MN PRIOR TO WORK

6 ANTICIPATED PIT SHORING PLAN
CJ003 NO SCALE

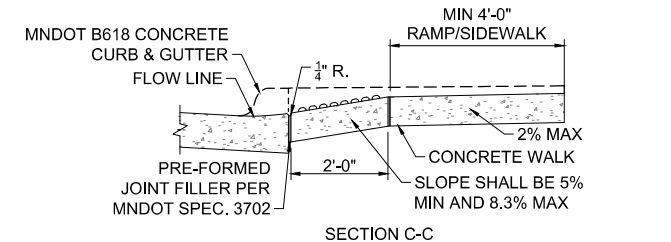
SIDEWALK JOINT SPACING			
WALK WIDTH	JOINT SPACING		ISOLATION JOINT SPACING
	TRANSVERSE	LONGITUDINAL	
4	5'-0"	NOT REQUIRED	NONE SEE 2



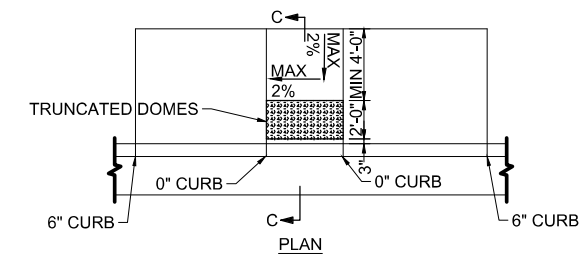
KEY NOTES:

- CONTRACTION JOINTS FORMED OR SAW CUT 1/3 OF SLAB DEPTH
- PROVIDE ISOLATION JOINTS AT ALL LOCATIONS WHERE WALKS ABUT CONCRETE CURB AND GUTTER, BUILDINGS, RETAINING WALLS OR OTHER STRUCTURES OR SIDEWALKS AT RIGHT ANGLES
- MAKE JOINT SPACING UNIFORM BETWEEN JOINTS BUT NOT GREATER THAN 10'
- MATCH EXISTING WIDTH, 5' MIN

4 CONCRETE SIDEWALK
CJ003 NO SCALE



SECTION C-C



8 PARALLEL SIDE PEDESTRIAN CURB RAMP DETAIL
CJ003 NO SCALE

CITY OF APPLE GROVE APPROVAL
Lawrence P. Poppler
DATE: 07/01/2021
BY: LAWRENCE P. POPPLER

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MODIFIED: 6/30/2021 1:30:56 PM

NO	DATE	BY	REVISIONS	NO	DATE	BY	REVISIONS
0	07/01/21	LPP	ISSUED FOR BID				

DESIGNED	LPP	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.
DRAWN	LPP	SIGNATURE: <i>Lawrence P. Poppler</i>
CHECKED	LPP	TYPED OR PRINTED NAME: LAWRENCE P. POPPLER
	LPP	DATE: 07/01/2021 REG NO: 41005



PROJECT	808622
FILE NAME	CJ003

INTERCEPTOR 900416 BASS LAKE ROAD
MISCELLANEOUS DETAILS

CJ003
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