OFF-SITE IMPROVEMENT PLANS FOR

PR SEC⁻

PROJECT TEAM:

ENGINEER KIMLEY-HORN AND ASSOCIATES, INC.



PREPARED BY: MATTHEW J. SORENSON 767 EUSTIS STREET, SUITE 100 ST. PAUL, MN 55114 TELEPHONE (651) 645-4197



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SURVEYOR WESTWOOD PROFESSIONAL SERVICES, INC. 12701 WHITEWATER DRIVE, SUITE 300 TELEPHONE: (952) 937-5150 CONTACT: CHRIS AMBOURN, LS

PROJECT TIMBER WOLF

SECTION 15, TOWNSHIP 133N, RANGE 29W BAXTER, CROW WING COUNTY, MN



NOTES:

- 1. CONTRACTOR SHALL CONFIRM THAT THE EXISTING CONDITIONS FOR THE SITE MATCH WHAT IS SHOWN ON THE DRAWINGS INCLUDED PRIOR TO CONSTRUCTION.
- IF REPRODUCED, THE SCALES SHOWN ON THESE PLANS ARE BASED ON A 22x34 SHEET.
 ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICES COMPANIES SHALL BE PERFORMED PRIOR TO ANNOUNCED BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
- ALL GENERAL CONTRACTOR WORK TO BE COMPLETED (EARTHWORK, FINAL UTILITIES, AND FINAL GRADING) BY THE MILESTONE DATE IN PROJECT DOCUMENTS.
- 5. REFERENCE THE ALTA SURVEY PREPARED BY WESTWOOD PROFESSIONAL SERVCES, INC, DATED 4/15/2024 FOR SURVEY CONTROL POINTS. ELEVATIONS AND GROUND CONTOURS SHOWN HEREIN ARE BASED ON THE NAVD88 VERTICAL DATUM RELATIVE TO BENCHMARK: WHIPPLE, WHICH HAS AN ELEVATION OF 1209.62

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3	ENERAL CONSTRUCTION NOTES	ER	0310IN (
	THE CONTRACTOR AND SUBCONTRACTORS SHALL OBTAIN A COPY OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS OF THE LOCAL JURISDICTION AND STATE DEPARTMENT OF TRANSPORTATION AND BECOME FAMILIAR WITH THE CONTENTS PRIOR TO COMMENCING WORK. UNLESS OTHERWISE NOTED, ALL WORK SHALL CONFORM AS APPLICABLE TO THESE STANDARDS AND SPECIFICATIONS.	1. T P O	HE STORM WAT LAN, THE STAN IF THE SWPPP, I
	PERFORM ALL WORK IN COMPLIANCE WITH APPLICABLE CITY REGULATIONS, STATE CODES, AND O.S.H.A. STANDARDS. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING THE NECESSARY MATERIALS & LABOR TO CONSTRUCT THE FACILITY AS SHOWN AND DESCRIBED IN THE CONSTRUCTION DOCUMENTS, AND IN ACCORDANCE WITH THE SPECIFICATIONS AND REQUIREMENTS OF THE APPROPRIATE APPROVING	2. A S P W	LL CONTRACT(HALL OBTAIN A OLLUTANT DIS(/ITH THEIR CON
	AUTHORITIES. CONTRACTOR SHALL CLEAR AND GRUB ALL AREAS UNLESS OTHERWISE INDICATED, REMOVING TREES, STUMPS - POOTS, MUCK, EXISTING PAVEMENT AND ALL OTHER DELETERIOUS MATERIAL	3. B R A	EST MANAGEMI EQUIREMENTS DDITIONAL CON
	THE EXISTING SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS QUALITY LEVEL "D" UNLESS OTHERWISE NOTED. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ACSE 38/02.	4. T A R	HE CONTRACT
	ENTITLED STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF SUBSURFACE QUALITY DATA BY THE FHA. EXISTING UTILITIES SHOWN ARE LOCATED ACCORDING TO THE INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE TOPOGRAPHIC SURVEY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. GUARANTEE IS NOT MADE THAT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN OR THAT THE LOCATION OF THOSE SHOWN ARE ENTIRELY ACCURATE. FINDING THE ACTUAL LOCATION OF ANY EXISTING UTILITIES IS THE CONTRACTOR'S	5. T N A W	HE CONTRACTO EEDED TO PREV ND RECORD A VITHIN THE SWP
	RESPONSIBILITY AND SHALL BE DONE BEFORE COMMENCING ANY WORK IN THE VICINITY. FURTHERMORE, THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES DUE TO THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE OWNER OR ENGINEER WILL ASSUME NO LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, NOR FOR TEMPORARY BRACING AND SHORING OF SAME. IF IT IS NECESSARY TO SHORE, BRACE, SWING OR RELOCATE A UTILITY, THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION OBTAINED REGARDING THE METHOD TO USE FOR SUCH WORK.	6. B P JI S B A 7. E	MPS SHOWN O REVENTION PL URISDICTIONS TABILIZATION C Y A CERTIFIED I .0.5-INCH OR GF ROSION & SEDII
	IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE VARIOUS UTILITY COMPANIES WHICH MAY	7.1.	INLET PROTE
	HAVE BURIED OR AERIAL UTILITIES WITHIN OR NEAR THE CONSTRUCTION AREA BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PROVIDE 48 HOURS MINIMUM NOTICE TO ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION.	7.2.	OF UNDERM
	THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS AND BONDS IF REQUIRED PRIOR TO CONSTRUCTION.	7.2	NEEDED. RE
	THE CONTRACTOR SHALL HAVE AVAILABLE AT THE JOB SITE AT ALL TIMES ONE COPY OF THE CONSTRUCTION DOCUMENTS INCLUDING PLANS, SPECIFICATIONS, GEOTECHNICAL REPORT AND SPECIAL CONDITIONS AND CODIES OF ANY, REQUIRED CONSTRUCTION REPARTS.	7.3.	REMOVED F
	ANY DISCREPANCIES ON THE DRAWINGS SHALL BE IMMEDIATELY BROUGHT. TO THE ATTENTION OF THE	7.4.	PREVENT TR ADDITIONS (
	OWNER AND ENGINEER BEFORE COMMENCING WORK. NO FIELD CHANGES OR DEVIATIONS FROM DESIGN ARE TO BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AND NOTIFICATION TO THE ENGINEER.	7.5.	THE TEMPOR PARKING AN
	ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE CITY DIRECTLY FROM THE TESTING AGENCY.	7.6.	PERFORM AL
	THE CONTRACTOR SHALL BE RESPONSIBLE FOR DOCUMENTING AND MAINTAINING AS-BUILT INFORMATION WHICH SHALL BE RECORDED AS CONSTRUCTION PROGRESSES OR AT THE COMPLETION OF APPROPRIATE CONSTRUCTION INTERVALS AND SHALL BE RESPONSIBLE FOR PROVIDING AS-BUILT DRAWINGS TO THE OWNER FOR THE PURPOSE OF CERTIFICATION TO JURISDICTIONAL AGENCIES AS REQUIRED. ALL AS-BUILT DATA SHALL BE COLLECTED BY A STATE PROFESSIONAL LAND SURVEYOR WHOSE SERVICES ARE	ΡΔ	CALENDAR E
	ENGAGED BY THE CONTRACTOR.	<u>1 Δ</u>	
	ANY WELLS DISCOVERED ON SITE THAT WILL HAVE NO USE MUST BE PLUGGED BY A LICENSED WELL DRILLING CONTRACTOR IN A MANNER APPROVED BY ALL JURISDICTIONAL AGENCIES. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY WELL ABANDONMENT PERMITS REQUIRED.	I. A S O	HALL BE IN ACC ND STANDARDS R COUNTY REG
•	ANY WELL DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE APPROPRIATE JURISDICTIONAL AGENCIES WITHIN 24 HOURS AFTER DISCOVERY IS MADE.	2. A O	LL SIGNS, PAVE N UNIFORM TRA
•	THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK THAT WOULD BE AFFECTED. FAILURE TO NOTIFY OWNER OF AN	3. C S S	ONTRACTOR SI TALLS, ACCESS TRIPING WITHIN
	OBLIGATION TO PAY FOR A RELATED CHANGE ORDER.	4. A	LL EXPANSION
•	SHOULD CONTRACTOR ENCOUNTER ANY DEBRIS LADEN SOIL, STRUCTURES NOT IDENTIFIED IN THE DOCUMENTS, OR OTHER SOURCE OF POTENTIAL CONTAMINATION, THEY SHALL IMMEDIATELY CONTACT	5. T	HE MINIMUM LE
	THE ENGINEER AND OWNER.	S	EALANT.
	ACTIVITIES: PRE-CONSTRUCTION MEETING, SUBGRADE PREPARATION, BASE INSTALLATION, ASPHALT INSTALLATION, UNDERGROUND PIPING AND UTILITIES INSTALLATION, INSTALLATION OF STRUCTURES, CHECK VALVES, HYDRANTS, METERS, ETC., SIDEWALK INSTALLATION, CONNECTIONS TO WATER AND	7. T T	HE MATERIALS HE A.C.I. (AMER
	SEWER MAINS, TESTS OF UTILITIES.	8. C B	ONTRACTOR SH Y OWNER FOLL
		9. A C	NY EXISTING PA
	HIRD PARTY SUPPLEMENTAL INFORMATION	10. B G C	EFORE PLACING RADING FOR A ONFORM TO CL
IN O	ILEY-HORN ASSUMES NO LIABILITY FOR ANY ERRORS, INACCURACIES, OR OMISSIONS NTAINED WITHIN SUPPLEMENTAL INFORMATION PROVIDED BY THIRD PARTY CONSULTANTS.	E C S	XCEED 1 VERTH ASE SHALL LO TALLS OR AISL
I	BOUNDARY & TOPOGRAPHIC SURVEY	B IN C	UILDING DOOR
	ADDRESS: 12701 WHITEWATER DRIVE, SUITE 300 PHONE: (952) 937-5150 DATED: 04/29/2024	11. M	
	CONSTRUCTION TESTING TEST REPORTS REQUIRED FOR CLOSE OUT INCLUDE, BUT ARE NOT LIMITED TO: • DENSITY TEST REPORTS • BACTERIOLOGICAL TESTS OF WATER SYSTEM • PRESSURE TEST OF WATER/SEWER • LEAK TESTS ON SEWER SYSTEM AND GREASE TRAPS		

CONTROL NOTES

- ORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION THE CONTRACTOR SHALL GRADE THE SITE TO THE ELEVATIONS INDICATED AND SHALL ADJUST BMP'S AS 2 NECESSARY AND REGRADE WASHOUTS WHERE THEY OCCUR AFTER EVERY RAINFALL UNTIL A GRASS COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE NATIONAL CHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR STAND IS WELL ESTABLISHED OR ADEQUATE STABILIZATION OCCURS. ITENTS
- CONTRACTOR SHALL ENSURE THERE IS POSITIVE DRAINAGE FROM THE PROPOSED BUILDINGS SO THAT ENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL SURFACE RUNOFF WILL DRAIN BY GRAVITY TO NEW OR EXISTING DRAINAGE OUTLETS. CONTRACTOR OR MANUAL OF PRACTICE, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT SHALL ENSURE NO PONDING OCCURS IN PAVED AREAS AND SHALL NOTIFY ENGINEER IF ANY GRADING ITROLS AS DIRECTED BY THE PERMITTING AGENCY OR OWNER. DISCREPANCIES ARE FOUND IN THE EXISTING AND PROPOSED GRADES PRIOR TO PLACEMENT OF PAVEMENT OR UTILITIES.
- OR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AVING JURISDICTION, AND SHALL MAINTAIN COMPLIANCE WITH APPLICABLE LAWS AND OR THE DURATION OF CONSTRUCTION.
- OR SHALL FIELD ADJUST AND/OR PROVIDE ADDITIONAL EROSION CONTROL BMP'S AS VENT EROSION AND OFF-SITE SEDIMENT DISCHARGE FROM THE CONSTRUCTION SITE, LOG NY ADJUSTMENTS AND DEVIATIONS FROM THE APPROVED EROSION CONTROL PLANS PPP DOCUMENTS STORED IN THE JOB SITE TRAILER.
- N THE EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION INSPECTED DURING THE EXCAVATION PROCESS TO ENSURE THAT UNDESIRABLE FILL IS NOT USED. AN, SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION AS REQUIRED BY ALL UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF 6" OF TOPSOIL AT COMPLETION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED OF WORK. ALL UNPAVED AREAS IN EXISTING RIGHTS-OF-WAY DISTURBED BY CONSTRUCTION SHALL BE PERSON AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF RE-GRADED AND SEED AS SPECIFIED, PER MNDOT SPECIFICATIONS, MNDOT SEED MANUAL, AND SUPPLIER/MANUFACTURER RECOMMENDATIONS. SEE EROSION CONTROL PLAN FOR MORE INFORMATION. REATER RAINFALL EVENT.
- MENT CONTROL BMPS SHALL BE MAINTAINED IN ACCORDANCE WITH THE FOLLOWING:
- ECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS INING OR DETERIORATION.
- AREAS SHALL BE CHECKED REGULARLY TO VERIFY THAT A HEALTHY STAND OF N IS MAINTAINED. SEEDED AREAS SHOULD BE FERTILIZED, WATERED AND RE-SEEDED AS FER TO THE LANDSCAPE PLAN AND PROJECT SPECIFICATIONS.
- S SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE ROM THE SILT FENCES WHEN IT REACHES ONE-THIRD THE HEIGHT OF THE SILT FENCE.
- ONSTRUCTION ENTRANCE(S) SHALL BE MAINTAINED IN A CONDITION WHICH WILL ACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC OF ROCK TOP DRESSING AS CONDITIONS DEMAND.
- RARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR D STORAGE). THIS MAY REQUIRE PERIODIC ADDITIONS OF TOP DRESSING IF THE PARKING CONDITIONS DEMAND.
- LL MAINTENANCE OPERATIONS IN A TIMELY MANNER BUT IN NO CASE LATER THAN 2 DAYS FOLLOWING THE INSPECTION.

ND STRIPING NOTES

- INSTRUCTION, MATERIALS, AND WORKMANSHIP WITHIN JURISDICTION'S RIGHT-OF-WAY CORDANCE WITH THE LATEST EDITION OF THE LOCAL CITY OR COUNTY SPECIFICATIONS S, OR THE STATE DOT SPECIFICATIONS AND STANDARDS IF NOT COVERED BY LOCAL CITY ULATIONS.
- EMENT MARKINGS, AND OTHER TRAFFIC CONTROL DEVICES SHALL CONFORM TO MANUAL AFFIC CONTROL DEVICES (M.U.T.C.D) AND CITY STANDARDS.
- RECOMMENDATIONS AND STATE DOT SPECIFICATIONS. HALL FURNISH ALL PAVEMENT MARKINGS FOR FIRE LANES, ROADWAY LANES, PARKING SIBLE PARKING SYMBOLS, ACCESS AISLES, STOP BARS AND SIGNS, AND MISCELLANEOUS 15. PAVEMENTS SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATION OF THE SITE SPECIFIC THE PARKING LOT AS SHOWN ON THE PLANS. GEOTECHNICAL EVALUATION REPORT AND CITY & STATE DOT SPECIFICATIONS.
- JOINTS SHALL EXTEND THROUGH THE CURB.
- NGTH OF OFFSET JOINTS AT RADIUS POINTS SHALL BE 2 FEET.
- UDING EXPANSION JOINTS WITH REMOVABLE TACK STRIPS, SHALL BE SEALED WITH JOINT
- AND PROPERTIES OF ALL CONCRETE SHALL MEET THE APPLICABLE REQUIREMENTS IN ICAN CONCRETE INSTITUTE) MANUAL OF CONCRETE PRACTICE.
- 19. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING UTILITIES, AND SHALL REPAIR ALL DAMAGE TO EXISTING UTILITIES THAT OCCUR DURING CONSTRUCTION WITHOUT HALL APPLY A SECOND COATING OVER ALL PAVEMENT MARKINGS PRIOR TO ACCEPTANCE COMPENSATION. OWED BY A COAT OF GLASS BEADS AS APPLICABLE PER THE PROJECT DOCUMENTS.
- AVEMENT, CURBS AND/OR SIDEWALKS DAMAGED OR REMOVED WILL BE REPAIRED BY THE THIS EXPENSE TO THE SATISFACTION OF THE ENGINEER AND OWNER.
- 21. ALL PROPOSED GRADES ONSITE SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE INDICATED ON THE PLANS. ANY SLOPES STEEPER THAN 4:1 REQUIRE EROSION AND SEDIMENT CONTROL BLANKET. G PAVEMENT, CONTRACTOR SHALL VERIFY SUITABLE ACCESSIBLE ROUTES (PER A.D.A). ALL SIDEWALKS AND ACCESSIBLE ROUTES INCLUDING CROSSING DRIVEWAYS SHALL 22. ADHERE TO ALL TERMS AND CONDITIONS AS NECESSARY IN THE GENERAL N.P.D.E.S. PERMIT AND JRRENT ADA STATE/NATIONAL STANDARDS. IN NO CASE SHALL ACCESSIBLE RAMP SLOPES STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR STORMWATER DISCHARGE ASSOCIATED WITH CAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPES EXCEED 2% . IN NO CONSTRUCTION ACTIVITIES. NGITUDINAL SIDEWALK SLOPES EXCEED 5%. IN NO CASE SHALL ACCESSIBLE PARKING .ES EXCEED 2% (1.5% TARGET) IN ALL DIRECTIONS. SIDEWALK ACCESS TO EXTERNAL 23. ADJUST AND/OR CUT EXISTING PAVEMENT AS NECESSARY TO ASSURE A SMOOTH FIT AND CONTINUOUS S AND GATES SHALL BE ADA COMPLIANT. CONTRACTOR SHALL NOTIFY ENGINEER GRADE. ADA CRITERIA CANNOT BE MET IN ANY LOCATION PRIOR TO PAVING. NO CONTRACTOR S WILL BE ACCEPTED FOR A.D.A COMPLIANCE ISSUES.
- SPACING IS TWICE THE DEPTH OF THE CONCRETE PAVEMENT IN FEET.

GRADING AND DRAINAGE NOTES

TER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THE EROSION CONTROL IDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN THE SPECIFICATIONS PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.

- GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
- CONTRACTOR SHALL PROTECT ALL MANHOLE COVERS, VALVE COVERS, VAULT LIDS, FIRE HYDRANTS, POWER POLES, GUY WIRES, AND TELEPHONE BOXES THAT ARE TO REMAIN IN PLACE AND UNDISTURBED DURING CONSTRUCTION, EXISTING CASTINGS AND STRUCTURES TO REMAIN SHALL BE ADJUSTED TO MATCH THE PROPOSED FINISHED GRADES.
- BACKFILL FOR UTILITY LINES SHALL BE PLACED PER DETAILS, STANDARDS, AND SPECIFICATIONS SO THAT THE UTILITY WILL BE STABLE. WHERE UTILITY LINES CROSS THE PARKING LOT, THE TOP 6 INCHES SHALL BE COMPACTED SIMILARLY TO THE REMAINDER OF THE LOT. UTILITY DITCHES SHALL BE VISUALLY
- AFTER PLACEMENT OF SUBGRADE AND PRIOR TO PLACEMENT OF PAVEMENT, CONTRACTOR SHALL TEST AND OBSERVE PAVEMENT AREAS FOR EVIDENCE OF PONDING. ALL AREAS SHALL ADEQUATELY DRAIN TOWARDS THE INTENDED STRUCTURE TO CONVEY STORM RUNOFF. CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER IF ANY DISCREPANCIES ARE DISCOVERED.
- WHERE EXISTING PAVEMENT IS INDICATED TO BE REMOVED AND REPLACED, THE CONTRACTOR SHALL SAW CUT FULL DEPTH FOR A SMOOTH AND STRAIGHT JOINT AND REPLACE THE PAVEMENT WITH THE SAME TYPE AND DEPTH OF MATERIAL AS EXISTING OR AS INDICATED.
- THE CONTRACTOR SHALL INSTALL PROTECTION OVER ALL DRAINAGE STRUCTURES FOR THE DURATION OF 9. CONSTRUCTION AND UNTIL ACCEPTANCE OF THE PROJECT BY THE OWNER. ALL DRAINAGE STRUCTURES SHALL BE CLEANED OF DEBRIS AS REQUIRED DURING AND AT THE END OF CONSTRUCTION TO PROVIDE POSITIVE DRAINAGE FLOWS.
- 10. IF DEWATERING IS REQUIRED, THE CONTRACTOR SHALL OBTAIN ANY APPLICABLE REQUIRED PERMITS. THE CONTRACTOR IS TO COORDINATE WITH THE OWNER AND THE DESIGN ENGINEER PRIOR TO ANY **EXCAVATION**
- 11. FIELD DENSITY TESTS SHALL BE TAKEN AT INTERVALS IN ACCORDANCE WITH THE LOCAL JURISDICTIONAL AGENCY OR TO STATE DOT STANDARDS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN.
- 12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DEBRIS RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
- 13. THE CONTRACTOR SHALL ENSURE THAT LANDSCAPE ISLAND PLANTING AREAS AND OTHER PLANTING AREAS ARE NOT COMPACTED AND DO NOT CONTAIN ROAD BASE MATERIALS. THE CONTRACTOR SHALL ALSO EXCAVATE AND REMOVE ALL UNDESIRABLE MATERIAL FROM ALL AREAS ON THE SITE TO BE PLANTED AND PROPERLY DISPOSED OF IN A LEGAL MANNER.
- 14. THE CONTRACTOR SHALL INSTALL ALL UNDERGROUND STORM WATER PIPING PER MANUFACTURER'S
- 16. SPOT ELEVATIONS REPRESENT THE FINISHED SURFACE GRADE OR FLOWLINE OF CURB UNLESS OTHERWISE NOTED
- 17. LIMITS OF CONSTRUCTION ARE TO THE PROPERTY LINE UNLESS OTHERWISE SPECIFIED ON THE PLAN.
- 18. IMMEDIATELY REPORT TO THE OWNER ANY DISCREPANCIES FOUND BETWEEN ACTUAL FIELD CONDITIONS 17. THE LOCATION OF EXISTING UTILITIES, STORM DRAINAGE STRUCTURES AND OTHER ABOVE AND AND CONSTRUCTION DOCUMENTS.
- 20. BLEND NEW EARTHWORK SMOOTHLY TO TRANSITION BACK TO EXISTING GRADE.

WATER STORM SEWER & SANITARY SEWER NOTES 1. THE CONTRACTOR SHALL CONSTRUCT GRAVITY SEWER LATERALS, MANHOLES, GRAVITY SEWER LINES, AND DOMESTIC WATER AND FIRE PROTECTION SYSTEM AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL FURNISH ALL NECESSARY MATERIALS. EQUIPMENT. MACHINERY. TOOLS. MEANS OF TRANSPORTATION AND LABOR NECESSARY TO COMPLETE THE WORK IN FULL AND COMPLETE ACCORDANCE WITH THE SHOWN, DESCRIBED AND REASONABLY INTENDED REQUIREMENTS OF THE CONTRACT DOCUMENTS AND JURISDICTIONAL AGENCY REQUIREMENTS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT, THE MOST STRINGENT SHALL GOVERN. ALL EXISTING UNDERGROUND UTILITY LOCATIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS FOR UTILITY LOCATION AND COORDINATION IN ACCORDANCE WITH THE NOTES CONTAINED IN THE GENERAL CONSTRUCTION SECTION OF THIS SHEET. 3. THE CONTRACTOR SHALL RESTORE ALL DISTURBED VEGETATION IN KIND, UNLESS SHOWN OTHERWISE. DEFLECTION OF PIPE JOINTS AND CURVATURE OF PIPE SHALL NOT EXCEED THE MANUFACTURER'S 4 SPECIFICATIONS. SECURELY CLOSE ALL OPEN ENDS OF PIPE AND FITTINGS WITH A WATERTIGHT PLUG WHEN WORK IS NOT IN PROGRESS. THE INTERIOR OF ALL PIPES SHALL BE CLEAN AND JOINT SURFACES WIPED CLEAN AND DRY AFTER THE PIPE HAS BEEN LOWERED INTO THE TRENCH. VALVES SHALL BE PLUMB AND LOCATED ACCORDING TO THE PLANS. ALL PIPE AND FITTINGS SHALL BE CAREFULLY STORED FOLLOWING MANUFACTURER'S 5. RECOMMENDATIONS. CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE COATING OR LINING IN ANY D.I. PIPE FITTINGS. ANY PIPE OR FITTING WHICH IS DAMAGED OR WHICH HAS FLAWS OR IMPERFECTIONS WHICH, IN THE OPINION OF THE ENGINEER OR OWNER, RENDERS IT UNFIT FOR USE, SHALL NOT BE USED. ANY PIPE NOT SATISFACTORY FOR USE SHALL BE CLEARLY MARKED AND IMMEDIATELY REMOVED FROM THE JOB SITE, AND SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. WATER FOR FIRE FIGHTING SHALL BE MADE AVAILABLE FOR USE BY THE CONTRACTOR PRIOR TO COMBUSTIBLES BEING BROUGHT ON SITE.

- 18-INCHES.

- GRADE.
- SAME
- OUT

ALL UTILITY AND STORM DRAIN TRENCHES LOCATED UNDER AREAS TO RECEIVE PAVING SHALL BE COMPLETELY BACK FILLED IN ACCORDANCE WITH THE GOVERNING JURISDICTIONAL AGENCY'S SPECIFICATIONS. IN THE EVENT THAT THE CONTRACT DOCUMENTS AND THE JURISDICTIONAL AGENCY REQUIREMENTS ARE NOT IN AGREEMENT. THE MOST STRINGENT SHALL GOVERN.

CONTRACTOR SHALL PERFORM, AT THEIR OWN EXPENSE, ANY AND ALL TESTS REQUIRED BY THE SPECIFICATIONS AND/OR ANY AGENCY HAVING JURISDICTION. THESE TESTS MAY INCLUDE, BUT MAY NOT BE LIMITED TO, INFILTRATION AND EXFILTRATION, TELEVISION INSPECTION AND A MANDREL TEST ON GRAVITY SEWER. A COPY OF THE TEST RESULTS SHALL BE PROVIDED TO THE UTILITY PROVIDER, OWNER AND JURISDICTIONAL AGENCY AS REQUIRED.

9. BETWEEN WATER, SANITARY SEWER AND STORM SEWER MANHOLES AND PIPES, CONTRACTOR SHALL PROVIDE FOR A MINIMUM HORIZONTAL CLEARANCE OF 10-FEET AND A MINIMUM VERTICAL SEPARATION OF

10. IF ANY EXISTING STRUCTURES TO REMAIN ARE DAMAGED DURING CONSTRUCTION IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR AND/OR REPLACE THE EXISTING STRUCTURE AS NECESSARY TO RETURN IT TO EXISTING CONDITIONS OR BETTER.

11. ALL STORM PIPE ENTERING STRUCTURES SHALL BE GASKETED AND/OR GROUTED TO ASSURE CONNECTION AT STRUCTURE IS WATERTIGHT UNLESS OTHERWISE STATED BY CITY AND STATE DESIGN STANDARDS AND SPECIFICATIONS.

12. STORM SEWER MANHOLES IN PAVED AREAS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY DETAILS, AND SHALL HAVE TRAFFIC BEARING RING & COVERS. MANHOLES IN UNPAVED AREAS SHALL BE 6" ABOVE FINISH GRADE. LIDS SHALL BE LABELED "STORM SEWER". EXISTING CASTINGS AND STRUCTURES WITHIN PROJECT LIMITS SHALL BE ADJUSTED TO MEET THESE CONDITIONS AND THE PROPOSED FINISHED

13. TOPOGRAPHIC INFORMATION IS TAKEN FROM A TOPOGRAPHIC SURVEY BY LAND SURVEYORS. IF THE CONTRACTOR DOES NOT ACCEPT EXISTING TOPOGRAPHY AS SHOWN ON THE PLANS, WITHOUT EXCEPTION, THEN THE CONTRACTOR SHALL SUPPLY, AT THEIR EXPENSE, A TOPOGRAPHIC SURVEY BY A REGISTERED LAND SURVEYOR TO THE OWNER FOR REVIEW.

14. CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE GOVERNING CODES AND BE CONSTRUCTED TO

15. ALL STORM STRUCTURES SHALL HAVE A SMOOTH UNIFORM POURED MORTAR FROM INVERT IN TO INVERT

16. THE CONTRACTOR SHALL PROTECT EXISTING UNDERGROUND UTILITIES AND APPURTENANCES THAT ARE TO REMAIN FROM DAMAGE DURING CONSTRUCTION OPERATIONS.

BELOW-GRADE IMPROVEMENTS ARE APPROXIMATE AS SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION, SIZE AND INVERT ELEVATIONS OF EACH PRIOR TO THE START OF CONSTRUCTION.

18. A MINIMUM SEPARATION OF 5-FEET IS REQUIRED BETWEEN UNDERGROUND UTILITIES AND TREES UNLESS A ROOT BARRIER IS UTILIZE

19. COORDINATE UTILITY INSTALLATION WITH IRRIGATION DESIGN AND INSTALLATION.

ISSUED FOR PERMIT - NOT FOR	R CONSTRUCTION						
		KHA PROJECT 160640027	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND				
	ENGINEER'S	DATE 06/21/2024	THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.				
		SCALE AS SHOWN	Mr. M.	2024 KIMLEY-HORN AND ASSOCIATES, INC.			
	NOLEV	DESIGNED BY JTL	MATTHEW I SORENSON	767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114			
INC.		DRAWN BY JTL		PHONE: 651-645-4197			
BAXTER MN		снескер вү MJS	DATE: 06/21/2024 LIC. NO. 59721	WWW.KIMLEY-HORN.COM	No.	REVISIONS	DATE





















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E & WATER SERVICE	
ORKS DEPARTMENT	W-9





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REMOVE CONCRETE CURB & GUTTER REMOVE UTILITY LINES LIMITS OF CONSTRUCTION EXISTING OVERHEAD POWER LINE EXISTING CHAINLINK FENCE EXISTING SANITARY SEWER EXISTING STORM SEWER EXISTING WATERMAIN EXISTING GAS MAIN EXISTING FIBER EXISTING CONTOUR EXISTING CURB & GUTTER EXISTING SIGN EXISTING FLARED END SECTION EXISTING STORM MANHOLE EXISTING STORM CATCHBASIN EXISTING GATE VALVE EXISTING HYDRANT EXISTING TELEPHONE MANHOLE EXISTING CABLE BOX EXISTING GUY WIRE

EXISTING POWER POLE

EXISTING LIGHT POLE

EXISTING TREE

RIGHT OF WAY

CLEARING & GRUBBING

FULL DEPTH SAWCUT

REMOVE BITUMINOUS/GRAVEL SURFACE

DEMOLITION PLAN NOTES

- THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION REMOVAL AND DISPO AUTHORITIES) OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARK SUCH THAT THE IMPROVEMENTS ON THE PLANS CAN BE CONSTRUCTED. FACILITIE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL
- 2. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING OF THE DEBRIS IN A LAWFUL MANNER AND IN ACCORDANCE WITH I DISPOSAL FROM THE APPROPRIATE LOCAL AND STATE AGENCIES. CONTRACTOR SHALL PROVIDE COPIES OF THE PERMIT AND RECEIPTS OF DISPOSAL OF MATERIALS TO THE OWNER AND OWNERS REPRESENTATIVE, INCLUDING THE TYPE OF DEBRIS AND LOCATION WHERE IT WAS DISPOSED.
- 3. THE CONTRACTOR SHALL MAINTAIN UTILITY SERVICES TO ADJACENT PROPERTIES AT ALL TIMES. UTILITY SERVICES SHALL NOT BE INTERRUPTED WITHOUT APPROVAL FROM THE CONSTRUCTION MANAGER AND COORDINATION WITH THE ADJACENT PROPERTIES AND/OR THE CITY.
- 4. THE CONTRACTOR SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES PRIOR TO THE REMOVAL AND/OR RELOCATION OF UTILITIES. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY CONCERNING PORTIONS OF WORK WHICH MAY BE PERFORMED BY THE UTILITY COMPANY'S FORCES AND ANY FEES WHICH ARE TO BE PAID TO THE UTILITY COMPANY FOR THEIR SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR PAYING ALL FEES AND CHARGES.
- 5. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLAN HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THEIR ACCURACY. PRIOR TO THE START OF ANY DEMOLITION ACTIVITY, THE CONTRACTOR SHALL NOTIFY THE AFFECTED UTILITY COMPANIES TO PROVIDE LOCATIONS OF EXISTING UTILITIES WITHIN PROPOSED WORK AREA.
- 6. EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE BASED ON AVAILABLE RECORD PLAN DATA AND/OR FIELD UTILITY MARKINGS AND ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION. ADDITIONAL UNMARKED OBSTACLES MAY EXIST ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY ANTICIPATED UNDERGROUND FEATURES. GIVE NOTICE TO AFFECTED UTILITY COMPANIES REGARDING REMOVAL OF SERVICE LINES AND CAP ANY ABANDONED LINES BEFORE PRECEDING WITH THE PROPOSED WORK.
- 7. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC, AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE. CONTRACTOR SHALL PAY CLOSE ATTENTION TO EXISTING UTILITIES WITHIN ANY ROAD RIGHT-OF-WAY DURING CONSTRUCTION.
- 8. CONTRACTOR MUST PROTECT THE PUBLIC AT ALL TIMES WITH FENCING, BARRICADES, ENCLOSURES, ETC. (AND OTHER APPROPRIATE BEST MANAGEMENT PRACTICES) AS APPROVED BY THE CONSTRUCTION MANAGER. MAINTENANCE OF TRAFFIC CONTROL SHALL BE COORDINATED IN ACCORDANCE WITH THE CITY, COUNTY, AND STATE DOT AS NECESSARY.
- 9. CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT PROPERTIES DURING CONSTRUCTION, AND SHALL NOTIFY ADJACENT PROPERTY OWNERS IF ACCESS WILL BE INTERRUPTED OR ALTERED AT ANY TIME DURING CONSTRUCTION.
- 10. PRIOR TO THE START OF DEMOLITION, INSTALL EROSION CONTROL BMP'S IN ACCORDANCE WITH THE EROSION & SEDIMENT CONTROL PLANS / SWPPP.
- 11. CONTRACTOR MAY LIMIT SAW-CUT AND PAVEMENT REMOVAL TO ONLY THOSE AREAS WHERE IT IS REQUIRED AS SHOWN ON THESE CONSTRUCTION PLANS BUT IF ANY DAMAGE IS INCURRED ON ANY OF THE SURROUNDING PAVEMENT OR CURB, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS REMOVAL AND REPAIR.
- 12. THE CONTRACTOR SHALL COORDINATE WATER MAIN WORK WITH THE CITY WATER AND FIRE DEPARTMENTS TO ENSURE ADEQUATE FIRE PROTECTION IS CONSTANTLY AVAILABLE TO THE SITE AND SURROUNDING PROPERTIES THROUGH ALL PHASES OF CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR ARRANGING/PROVIDING ANY REQUIRED WATER MAIN SHUT OFFS WITH THE CITY. ANY COSTS ASSOCIATED WITH WATER MAIN SHUT OFFS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO EXTRA COMPENSATION WILL BE PROVIDED
- 13. IN THE EVENT A WELL IS FOUND, THE CONTRACTOR SHALL CONTACT THE ENGINEER AND OWNER IMMEDIATELY. ALL WELLS SHALL BE SEALED BY A LICENSED WELL CONTRACTOR IN ACCORDANCE WITH STATE REQUIREMENTS.
- 14. IN THE EVENT THAT UNKNOWN CONTAINERS OR TANKS ARE ENCOUNTERED, THE CONTRACTOR SHALL CONTACT THE OWNER AND/OR OWNERS REPRESENTATIVE IMMEDIATELY. ALL CONTAINERS SHALL BE DISPOSED OF AT A PERMITTED LANDFILL PER THE PROJECT DOCUMENTS.
- 15. CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY EXISTING DRAINTILE IS ENCOUNTERED ON SITE; ACTIVE DRAINTILE SHALL NOT BE REMOVED WITHOUT APPROVAL FROM THE ENGINEER.
- 16. IF CONTAMINATED MATERIAL IS ENCOUNTERED ON THE PROJECT SITE, THE CONTRACTOR SHALL STOP WORK AND NOTIFY THE OWNER AND ENGINEER IMMEDIATELY.
- 17. ALL EXISTING MAILBOXES TO BE RELOCATED PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL WORK WITH U.S. POSTAL SERVICE FOR TEMPORARY SERVICE.

SAL (IN A LOCATION APPROVED BY ALL GOVERNING
ING, DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC.
S TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE
PER THE PROJECT DOCUMENTS.

HE CONTRACTOR SHALL OBTAIN ANY REQUIRED PERMITS FOR DEMOLITION AND

KEYNOTE LEGEND

- PROTECT EXISTING WATER LINE / HYDRANT / VALVE (A)(B) PROTECT EXISTING SEWER LINE / STRUCTURE
 - PROTECT EXISTING NATURAL GAS LINE / STRUCTURE
- PROTECT EXISTING UTILITY LINE / POLE / GUY WIRES
- E PROTECT EXISTING FIBER LINE / STRUCTURE
- F PROTECT EXISTING STORM LINE / STRUCTURE
- G PROTECT EXISTING SIGN
- Н PROTECT EXISTING MAILBOX
- REMOVE EXISTING SIGN
- J SALVAGE & RELOCATE EXISTING BARRICADE PER PLAN
- К SALVAGE & RELOCATE EXISTING HYDRANT
- REMOVE & CAP SANITARY STUB
- M RAISE EXISTING MANHOLE TO PROPOSED GRADE
- N EXISTING FIBER TO BE RELOCATED BY UTILITY OWNER
- \bigcirc PROTECT EXISTING SANITARY FORCE MAIN

A	PROTECT EXISTING WATER LINE / HYDRANT / VALVE
В	PROTECT EXISTING SEWER LINE / STRUCTURE
C	PROTECT EXISTING NATURAL GAS LINE / STRUCTURE
D	PROTECT EXISTING UTILITY LINE / POLE / GUY WIRES
E	PROTECT EXISTING FIBER LINE / STRUCTURE
F	PROTECT EXISTING STORM LINE / STRUCTURE
G	PROTECT EXISTING SIGN
H	PROTECT EXISTING MAILBOX
	REMOVE EXISTING SIGN
U	SALVAGE & RELOCATE EXISTING BARRICADE PER PLAN
К	SALVAGE & RELOCATE EXISTING HYDRANT
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(M)	RAISE EXISTING MANHOLE TO PROPOSED GRADE

A	PROTECT EXISTING WATER LINE / HYDRANT
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L	SALVAGE & RELOCATE EXISTING BARRICAD
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M	RAISE EXISTING MANHOLE TO PROPOSED G
N	EXISTING FIBER TO BE RELOCATED BY UTILI
\bigcirc	PROTECT EXISTING SANITARY FORCE MAIN

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SURIFIION OF PROJECT AND CONSTRUCTION ACTIVITY	TIMING OF CONTO
PROJECT INFORMATION:	THE FOLLOWING CONTROL MEASUR 1. STORM SEWER INLET STABILIZATION HAS T
PROJECT LOCATION: NORTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 15, TOWNSHIP 133 N, RANGE 29 W BAXTER, MN	 SILT FENCE SHALL BE STABILIZATION HAS T STRUCTURAL BMPS, S MAJOR SOIL DISTURB CLEARING, GRADING PROCEED:
<u>MPCA ADDRESS:</u> MINNESOTA POLLUTION CONTROL AGENCY CONSTRUCTION STORMWATER PERMIT PROGRAM 520 LAFAYETTE ROAD NORTH ST. PAUL, MN 55155-4194	5. INFILTRATION AREA (I BEEN STABILIZED. IN A RUNOFF AND SEDIME
PHONE: (800) 443-4729	EROSION AND SEDIMENT CON POTENTIAL FOR EROSION HAS
	CERTIFICATION O
GEOTECHNICAL INFORMATION: THE GEOTECHNICAL REPORT WAS PREPARED BY BRAUN INTERTEC CORPORATION DATED MAY 3, 2024, PROJECT NUMBER 40150525. THE EXISTING SOILS ON SITE ARE PREDOMINATELY OF SANDY LACUSTRINE, OR POORLY GRADED SAND & PORRLY GRADED SAND WITH SILT. GROUNDWATER WAS OBSERVED IN A PORTION OF PREVIOUS BORING PERFORMED ON THE SITE, THE LARGEST MEASURED DEPTH BEING 20 FEET.	THE STORM WATER POLLUTIO MANAGEMENT AND EROSION / PLAN HAS BEEN PREPARED IN
PROJECT DESCRIPTION: RYAN COMPANIES US, INC IS PROPOSING TO CONSTRUCT APPROXIMATELY 1000 LF EXISTING ROADWAY EXTENSION AND	PERMIT. BMPS SHALL BE INCO
700 LF NEW ROADWAY CONSTRUCTION. IMPROVEMENTS WILL CONSIST OF ROADWAY, UTILITIES, AND STORMWATER CONVEYANCE AND MANAGEMENT.	MAINTENANCE AN
CONSTRUCTION ACTIVITY:	THE OWNER AND CONTRACTO EROSION AND SEDIMENT CON 1. PERMITTEES MUST IM (7) DAYS AFTER THE (
<u>RECEIVING WATERS:</u> THE PROPOSED SITE STORMWATER RUNOFF WILL BE ROUTED TO AN INFILTRATION BASIN AND EVENTUALLY DISCHARGE TO THE SOUTHWEST INTO AN UNNAMED WETLAND.	2. ALL CONTROL MEASU OF 0.5 INCHES OR GR 3. ALL MEASURES WILL HOURS OF REPORT
<u>CALCAREOUS FENS</u> : THIS PROJECT DOES NOT DRAIN TO ANY KNOW CALCAREOUS FENS.	4. BIO ROLLS WILL BE IN CONCRETE BARRIERS
SPECIAL OR IMPAIRED WATERS: THERE ARE NO SPECIAL OR IMPAIRED BODIES OF WATER WITHIN 1 MILE OF THE SITE.	5. INLET PROTECTION D INSPECTED TO ENSUI 6. SILT FENCE SHALL BE
DESCRIPTION OF PROPOSED CONSTRUCTION ACTIVITES: THE PROJECT AREA IS 8.06 ACRES WITH a 14,414 CF INFILTRATION POND. THE PROJECT INCLUDES 3.47 ACRES OF	FABRIC BOTTOM ARE 7. BUILT UP SEDIMENT S
IMPERVIOUS AREA AND 5.36 ACRES OF IMPERVIOUS AREA.	SPILL PREVENTIO
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MOBERG	PRODUCT SPECIF
MILE	PETROLEUM PRODUCTS: ALL ON SITE VEHICLES WIL OF LEAKAGE. PETROLEUM BASED MATERIALS USED O SPILLED PETROLEUM PROD 651-297-8610.
	PAINTS AND CLEANING SOLVE ALL CONTAINERS WILL BE DISCHARGED TO THE STOR
1 MILE SITE UNNAMED	OR STATE AND LOCAL REG <u>CONCRETE AND CONCRETE TI</u> CONCRETE, CONCRETE TO IDENTIFIED ON THE SITE AN THIS DESIGNATED AREA MI THREE OPTIONS ARE CONS 1. KEEPING ALL CONCRI APPROVED MANNER. 2. PROVIDING A PREFAE CONTAINERS SHOULD

FOR ADDITIONAL INFORMATION ON CONCRETE WASHOUT REGULATIONS, PLEASE SEE THE MPCA'S MEMORANDUM "CONCRETE WASHOUT GUIDANCE" AND THE EPA "STORMWATER BEST MANAGEMENT PRACTICES CONCRETE WASHOUT".

VEHICLE AND EQUIPMENT WASHING: IF VEHICLES OR EQUIPMENT ARE WASHED ON THE PROJECT SITE IT MUST BE DONE IN A DESIGNATED AREA. THE DESIGNATED AREA MUST BE CLEARLY IDENTIFIED ON THE SITE AND COMMUNICATED TO ALL PERSONNEL INVOLVED. RUNOFF FROM THE WASHING AREA MUST BE CONTAINED IN A SEDIMENT BASIN OR OTHER SIMILAR CONTROL METHOD AND MUST BE PROPERLY DISPOSED OF.

IMPAIRED WATERS MAP

DL MEASURES

RES WILL BE COORDINATED WITH CONSTRUCTION ACTIVITIES:

PROTECTION SHALL BE THE FIRST ITEM CONSTRUCTED AND SHALL REMAIN IN PLACE UNTIL PERMANENT AKEN PLACE.

CONSTRUCTED PRIOR TO ANY SOIL DISTURBANCE AND SHALL REMAIN IN PLACE UNTIL PERMANENT AKEN PLACE.

SUCH AS DIVERSIONS, AND SEDIMENT TRAPS OR BASINS (IF REQUIRED), SHALL BE INSTALLED PRIOR TO BANCE:

AND PAVEMENT REMOVAL WILL NOT OCCUR IN AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO (IF REQUIRED) SHALL NOT BE EXCAVATED TO FINAL GRADE UNTIL THE CONTRIBUTING DRAINAGE AREA HAS

ADDITION RIGOROUS EROSION PREVENTION AND SEDIMENT CONTROLS MUST BE IMPLEMENTED TO KEEP ALL ENT OUT OF THE INFILTRATION PRACTICE.

NTROL DEVICES WILL BE SATISFACTORILY MAINTAINED UNTIL THE CONSTRUCTION IS COMPLETED AND THE PASSED

OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL

ON PREVENTION PLAN REFLECTS MINNESOTA POLLUTION CONTROL AGENCY GUIDELINES FOR STORM WATER AND SEDIMENT CONTROL DURING CONSTRUCTION ACTIVITIES. THE STORM WATER POLLUTION PREVENTION ACCORDANCE WITH THE PROVISIONS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM DRPORATED IN ACCORDANCE WITH THE NPDES/SDS STORMWATER PERMIT FOR CONSTRUCTION.

ND INSPECTION RECORDS

OR SHALL BE RESPONSIBLE FOR THE FOLLOWING INSPECTION AND MAINTENANCE PRACTICES TO MAINTAIN NTROLS

IMEDIATELY INITIATE STABILIZATION OF EXPOSED SOIL AREAS AND COMPLETE STABILIZATION WITHIN SEVEN CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE TEMPORARILY OR PERMANENTLY CEASES. IRES WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND WITHIN 24 HOURS OF THE END OF A STORM EVENT REATER IN 24 HOURS. THE INSPECTION WILL BE COMPLETED BY THE EROSION CONTROL SUPERVISOR. . BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24

ISPECTED FOR DEPTH OF SEDIMENT. TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE

EVICES WILL BE INSPECTED FOR DEPTH OF SEDIMENT AND FREE OF ANY TEARS. DEVICES SHALL BE RE THEY ARE SECURELY IN PLACE.

INSPECTED FOR DEPTH OF SEDIMENT, TEARS, FABRIC ATTACHMENT TO POSTS, AND THAT POSTS AND E FIRMLY IN THE GROUND.

SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE THIRD THE HEIGHT OF THE FENCE.

)N

USEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT. OR EQUIPMENT MAINTENANCE AND REPAIR, TAKING STEPS TO MINIMIZE SPILLS AND CONTROL THE RUNOFF

CEPTACLES AT CONVENIENT LOCATIONS. THE RECEPTACLES SHOULD BE COVERED AND THE WASTE SHOULD ECTED:

ATE CONTROL OF EQUIPMENT WASH WATERS, SUCH AS CONCRETE WASHOUTS, TO PREVENT UNAUTHORIZED HARGES AND AVOID MIXING THE WASH WATER WITH STORM WATER;

D STORAGE AREAS FOR CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS, GASOLINE, AND OTHER POTENTIALLY HESE AREAS SHOULD PROVIDE CONTAINMENT TO PREVENT STORM WATER FROM ENTERING THE CHEMICAL PREVENT LEAKS FROM LEAVING THE CHEMICAL STORAGE AREA; AND LY MAINTAINED SANITARY FACILITIES.

SED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

KEPT IN THEIR ORIGINAL CONTAINERS UNLESS IT CANNOT BE RESEALED.

ID MATERIAL SAFETY DATA SHEETS WILL BE RETAINED ON SITE AND ACCESSIBLE AT ALL TIMES; THEY PRODUCT AND SAFETY INFORMATION.

T MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER OLLOWED.

HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS ACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

ECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE CEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES. IPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN A MATERIAL STORAGE AREA LOCATED ONSITE.

TERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, CAT UST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE. CLEANED UP IMMEDIATELY AFTER DISCOVERY.

BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT ACT WITH A HAZARDOUS SUBSTANCE.

HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, SIZE. IN ADDITION TO REPORTING TO LOCAL AUTHORITIES, REPORT SPILLS TO THE MINNESOTA POLLUTION STATE DUTY OFFICER: 800-422-0798 OR 651-297-8610). ANY SPILLS ABOVE THE REPORTABLE QUANTITIES OF FEDERAL REGULATIONS (CFR), TITLE 40, PART 302 SHALL BE REPORTED TO THE EPA NATIONAL RESPONSE 2). THE REPORT WILL INCLUDE MEASURES TO PREVENT SPILLS FROM REOCCURRING AND INFORMATION REMEDIATE SPILLS IF A SIMILAR OCCURRENCE HAPPENS. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, IEASURES WILL ALSO BE INCLUDED.

EROSION CONTROL SUPERVISOR SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. DIED TO UNDERSTAND WHY THEY OCCURRED AND PREVENTIVE METHODS WILL BE CREATED TO ENSURE NOT OCCUR IN THE FUTURE.

IC PRACTICES

L BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT ON SITE WILL BE APPLIED AND STORED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. ANY DUCTS OF 5 GALLONS OR MORE SHALL BE REPORTED TO THE MINNESOTA POLLUTION CONTROL AGENCY AT

TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT AND SOLUTIONS WILL NOT BE RM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS SULATIONS.

RUCKS:

OOLS AND TRUCKS ALL MUST WASH OUT IN A DESIGNATED AREA. THE DESIGNATED AREA MUST BE CLEARLY ND COMMUNICATED TO ALL PERSONNEL INVOLVED WITH CAST-IN-PLACE CONCRETE AS THE WASHOUT AREA. IUST MEET THE MPCA AND EPA REGULATIONS OF A DEFINED CONCRETE WASHOUT AREA. THE FOLLOWING SIDERED AN APPROVED METHOD:

RETE WASHOUT SELF-CONTAINED AND RETURNED TO AN INDUSTRIAL SITE TO BE DISPOSED OF IN A MPCA

BRICATED CONCRETE WASHOUT CONTAINER THAT ALL CONCRETE WASHOUT CAN BE COLLECTED IN. THESE D BE MAINTAINED ON A REGULAR BASIS. 3. CREATING A SELF-INSTALLED WASHOUT FACILITY WITH AN IMPERMEABLE LINER. AN ENGINEERED CLAY LINER WILL BE

CONSIDERED AN IMPERMEABLE LINER.

INSPECTIONS AND MAINTENANCE

EROSION CONTROL SUPERVISOR (MNDOT 2573):

THE CONTRACTOR SHALL ASSIGN AN EROSION CONTROL SUPERVISOR FOR THE PROCESSION FOR THE PROC WHO SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE PROJECT SWPPP. THE ER CONTROL SUPERVISOR (ECS) SHALL COMPLY WITH THE MOST CURRENT ADDITION C MNDOT STANDARD SPECIFICATION FOR CONSTRUCTION FOR ALL APPLICABLE SECTION THE ECS SHALL

1. IMPLEMENT THE SWPPP PLAN.

2. OVERSEE MAINTENANCE PRACTICES IDENTIFIED IN THE SWPPP. 3. CONDUCT OR PROVIDE FOR INSPECTION AND MONITORING ACTIVITIES

4. INSPECT SITE AND BEGIN CORRECTIVE ACTIONS TO DEFICIENT BMP'S NO LATER

24 HOURS AFTER A RAINFALL EVENT 5. PREPARE WEEKLY SCHEDULE OF EROSION ACTIVITIES (MNDOT 1717.2D)

6. PREPARE AND UPDATE THE CONTRACTORS EROSION/SEDIMENT CONTROL SITE AS NECESSARY (MNDOT1717.2E) 7. IDENTIFY OTHER POTENTIAL POLLUTANT SOURCES AND MAKE SURE REMEDIES /

ADDED TO THE SWPPP 8. IDENTIFY ANY DEFICIENCIES IN THE SWPPP AND IDENTIFY BEST MANAGEMENT PRACTICES (BMPS) TO ADDRESS THE DEFICIENCIES AND ASSURE THEY ARE ADDED

THE SWPPP 9. IF CHANGES IN CONSTRUCTION DOCUMENTS ARE NOT ADDRESSED IN THE SWPPI THEN THE ECS SHALL AMEND THE SWPPP TO INCLUDE THE CHANGES

MAINTENANCE AND INSPECTION REQUIREMENTS SHALL BE CONSISTENT WITH NPDES CS PERMIT PARTS 11.2-11.11.

CONTRACTOR'S EROSION/SEDIMENT CONTROL SITE PLAN:

THE CONTRACTOR SHALL SUBMIT A CONTRACTOR'S EROSION / SEDIMENT CONTROL PLAN TO THE ENGINEER A MINIMUM OF 24 HOURS PRIOR TO THE FIRST PRE-CONSTRUCTION MEETING. THE CONTRACTOR'S EROSION / SEDIMENT CONTROL PLAN SHALL INCLUDE:

1. THE NAME OF THE CONTRACTOR'S DESIGNATED EROSION CONTROL SUPERVISO 24-HOUR CONTACT INFORMATION. (I.E. PHONE NUMBER, EMAIL, ETC.) 2 NAME AND CONTACT INFORMATION FOR THE INDIVIDUAL (S) RESPONSIBLE FOR PERFORMING AND MAINTAINING THE SITE INSPECTION LOGS ON A WEEKLY BASIS (O

WITHIN 24 HOURS OF 0.5 INCHES OF A RAIN IN A 24 HOUR PERIOD). 3. NAME AND CONTACT INFORMATION OF THE INDIVIDUAL(S) RESPONSIBLE FOR TEMPORARY AND PERMANENT STABILIZATION. 4. NAME AND CONTACT INFORMATION OF THE INDIVIDUAL(S) WHO WILL BE RESPON

FOR EMERGENCY REPAIRS AND REPLACEMENTS. 5. LOCATION WHERE THE SWPPP DOCUMENT AND NPDES PERMIT WILL BE KEPT ON-THE DOCUMENT SHOULD BE ACCESSIBLE AT ALL TIMES AND AVAILABLE IN THE TIME (

ESSENCE 6. WHERE AND HOW CONCRETE WASHOUT WILL OCCUR AND BE IN COMPLIANCE OF MINNESOTA POLLUTION CONTROL AGENCY'S (MPCA) MEMORANDUM "CONCRETE WASHOUT GUIDANCE".

7. LOCATION OF STOCKPILES OF NATIVE SOILS AND/OR BORROW MATERIALS INDICA HOW STOCKPILES WILL BE KEPT IN COMPLIANCE WITH NPDES AND MPCA REQUIREM

THE CONTRACTOR WILL NOT BE ALLOWED TO START WORK UNTIL THE ENGINEER HA REVIEWED AND ACCEPTED THE CONTRACTOR'S EROSION / SEDIMENT CONTROL SITE PLAN.

INSPECTION AND MAINTENANCE PRACTICES

- 1. ALL CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EACH WEEK AN WITHIN 24 HOURS ON THE END OF A STORM EVENT RESULTING IN 0.5 INCHES O GREATER WITHIN A 24 HOUR PERIOD. THE INSPECTION SHALL BE COMPLETED ECS.
- 2. PERMITTEES MUST IMMEDIATELY INITIATE STABILIZATION OF EXPOSED SOIL AR AND COMPLETE STABILIZATION WITHIN SEVEN (7) DAYS AFTER THE CONSTRUC ACTIVITY IN THAT PORTION OF THE SITE TEMPORARILY OR PERMANENTLY CEAS
- 3. ALL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR I NECESSARY, IT SHALL BE INITIATED WITHIN 24 HOURS OF REPORT. 4. SILT FENCE SHALL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, FABRIC
- ATTACHMENT TO POSTS, AND THAT POSTS AND FABRIC BOTTOM ARE FIRMLY IN GROUND. 5. BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REAC
- ONE THIRD THE HEIGHT OF THE FENCE OR SOONER. 6. INLET PROTECTION DEVICES SHALL BE INSPECTED FOR DEPTH OF SEDIMENT,
- ABSENCE OF TEARS AND TO ASSURE THAT THE DEVICES ARE SECURELY IN PL

CONSTRUCTION NOTES 1. PRIOR COMMENCEMENT OF CONSTRUCTION ACTIVITIES IN ANY AREA OF THE PROJECT, DOWN GRADIENT EROSION AND SEDIMENT CONTROL MEASURES ANI CONCRETE BARRIERS DELINEATING THE CONSTRUCTION LIMITS SHALL BE INST.

- AND INSPECTED BY THE ECS AND THE ENGINEER. 2. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL EROSION AND SEDIME CONTROL MEASURES AS REQUIRED BY THE MPCA'S NPDES PERMIT FOR
- CONSTRUCTION. THIS INCLUDES ANY ADDITIONAL EROSION AND SEDIMENT CONTROLS BEYOND THAT SHOWN ON THE PLAN.
- 3. PHASED CONSTRUCTION SHALL BE USED TO MINIMIZE SEDIMENT TRANSPORT. 4. THE MAXIMUM TIME ANY AREA CAN REMAIN OPEN WHILE NOT BEING WORKED !
- DAYS. FERTILIZER SHOULD BE DISTRIBUTED AT A RATE OF 250 LBS/ACRE.
- 5. IF DOWN GRADIENT BMPS ARE OVERLOADED DURING A STORM EVENT, ADDITIC UP GRADIENT BMPS ARE REQUIRED TO ELIMINATE THE OVERLOAD. THE ADDITI BMPS MUST BE RECORDED ON THIS SWPPP IN THE AMENDMENTS TO SWPPP SECTION
- 6. TEMPORARY STOCKPILES MUST HAVE SILT FENCE OR OTHER EFFECTIVE SEDIM CONTROLS, AND CANNOT BE PLACED IN SURFACE WATERS INCLUDING STORM WATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS, OR CONDUITS A DITCHES. ALL STOCKPILES SHALL BE COVERED OR STABILIZED TO LIMIT WIND FROSION
- 7. A CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED FOR THE PROJECT. A VEHICLE TRACKING PAD SHALL BE INSTALLED IN ACCORDANCE WITH THE CONSTRUCTION PLAN AT EVERY PROJECT ENTRANCE. ENTRANCES MUST BE
- INSPECTED AND MAINTAINED TO ENSURE PROPER FUNCTION. 8. THE CONTRACTOR SHALL CLEAN ALL TRACKED MATERIALS USING A STREET SWEEPER WITH A PICK UP BROOM ON ADJACENT ROADWAYS ON A DAILY BASIS
- AS DIRECTED BY THE ENGINEER OR AHJ. 9. CONCRETE WASHOUT SHALL BE DONE IN ACCORDANCE WITH THE MPCA AND TH EPA CONCRETE WASHOUT GUIDANCE.

CROW	WING COUNTY, MN
MAP UNIT SYMBOL	MAP UNIT NAME
D62A	ZIMMERMAN LOAMY FINE SAND TO 2 PERCENT SLOPES

STR. Mar		S AND HE D, 0	S 7)NAL IONAL MENT AND	TION SES. IS N THE HED ACE. D FALLED	ISIBLE I-SITE. E OF THE ATE MENTS. AS E ND PR BY THE REAS	. SITE IR WITH IR	SW - SITE	PLAN ARE TO 2P,	THAN	ROJECT ROSION DE THE	
CONTACT: EDDY WOLF	ENGINEER KIMLEY-HORN AND ASSOCIATES, INC. PREPARED BY: MATTHEW J. SORENSON 767 EUSTIS STREET, SUITE 100 ST. PAUL, MN 55114 TELEPHONE (651) 645-4197 SWPPP DESIGNER KIMLEY-HORN AND ASSOCIATES, INC. PREPARED BY: MATTHEW J. SORENSON 767 EUSTIS STREET, SUITE 100 ST. PAUL, MN 55114 TELEPHONE (651) 645-4197 DEVELOPER RYAN COMPANIES US, INC 533 S THIRD STREET, SUITE 100 MINEAPOLIS, MN 55415	Image: Barbon Water or dust palliative, or both. Image: Barbon Water or dust palliative, or dust p	 WHENEVER POSSIBLE, VEHICLE REFUELING AND MAINTENANCE SHOULD NOT BE PERFORMED ON THE CONSTRUCTION SITE. HOWEVER, ANY VEHICLE REFUELING OR MAINTENANCE THAT MUST TAKE PLACE ON THE CONSTRUCTION SITE MUST HAVE PRO SPILL PREVENTION CONTROLS IN PLACE PRIOR TO COMMENCING WORK. EQUIPMENT AND VEHICLES MUST BE CLEANED REGULARLY TO PREVENT A BUILDUP O AND GREASE. BERMS, SANDBAGS, OR OTHER BARRIERS SHOULD BE USED AROUND TH PERIMETER OF THE MAINTENANCE AREA TO PREVENT STORM WATER CONTAMINATION MAINTENANCE AREAS SHOULD BE CLEARLY DESIGNATED. SECONDARY CONTAINMENT (CAPABLE OF HANDLING 110% OF MATERIAL) MUST BE PROVIDED FOR ALL FLUIDS GREATER THAN 55 GALLONS. ALL WASTE FLUIDS MUST BE IN LEAK-PROOF CONTAINER DUST CONTROL: DUST RESULTING FROM THE CONTRACTOR'S WORK EITHER INSIDE OR OUTSIDE THE 	OFF-SITE VEHICLE TRACKING: PAVED STREETS ADJACENT TO THE PROJECT SITE SHALL BE KEPT CLEAN OF DEBRIS. STREETS SHALL BE SWEPT WITH A PICK-UP BROOM AS NECESSARY OR AS DIRECTED I THE ENGINEER OR AHJ. DUMP TRUCKS HAULING MATERIAL TO AND FROM THE CONSTRUCTION AREA SHALL BE COVERED WITH A TARPAULIN. ALL VEHICLES EXITING SITE SHALL BE GUIDED AND REQUIRED TO GO THROUGH THE CONSTRUCTION EXIT. DEWATERING AND BASIN DRAINING: IF DEWATERING IS REQUIRED, PRACTICES DESCRIBED IN THE GEOTECHNICAL REPORT AND EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT MANUAL SHOULD BE FOLLOWED. THE DEWATERING PLAN MUST INCLUDE BMPS TO PREVENT SEDIMENT TRANSPORT, EROSION, AND ADVERSE IMPACTS TO DOWNSTREAM RECEIVING WATERS. IN ADDITION, DEWATERING PLAN MUST INCLUDE ANY SPECIFIC CHEMICAL TREATMENTS THAT ARE USED. DISCHARGE OF STORM WATER AND GROUND WATER F CONSTRUCTION DEWATERING ACTIVITIES IS COVERED UNDER THE GENERAL PERMIT. VEHICLE FUELING & MAINTENANCE:	WASTE MATERIALS: ALL WASTE MATERIALS SHALL BE PROPERLY HANDLED, STORED, AND DISPOSED OF. CONSTRUCTION CHEMICALS AND CONCRETE WASHOUT WILL BE PROPERLY CONTROL TO PREVENT POLLUTANTS FROM ENTERING STORM WATER DISCHARGES. SANITARY WASTE: ALL SANITARY WASTE SHALL BE COLLECTED FROM THE PROTABLE UNITS AS REQUIRE LOCAL REGULATION . HAZARDOUS WASTE MATERIALS: ALL HAZARDOUS WASTE MATERIALS SHALL BE STORED AND DISPOSED OF IN THE MAN SPECIFIED BY LOCAL OR STATE REGULATION. MATERIALS WITH THE POTENTIAL TO LE SHALL BE STORED UNDER COVER (E.G. PLASTIC SHEETING OR TEMPORARY ROOFS.) MATERIALS SHALL BE STORED IN A RESTRICTED ACCESS STORAGE AREA TO PREVENT VANDALISM. THE CONTRACTOR'S PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES AND THE CONTRACTOR'S EROSION CONTROL SUPERVISOR SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.	PERMANENT STABILIZATION INCLUDES BUILDING CONSTRUCTION, PLACEMENT OF CU AND GUTTER, PAVEMENT, AND FINAL LANDSCAPING AND GROUNDCOVER ACCORDING THE CONSTRUCTION DRAWINGS. ANY REMOVALS SHALL BE LIMITED TO THAT WHICH IS REQUIRED AND IN AN ORDER TH CONSISTENT WITH THE REMOVAL AND CONSTRUCTION SEQUENCE.	STOCKPILES WILL BE KEPT IN AN ORDERLY FASHION IN AN AREA DESIGNATED BY THE EROSION CONTROL SUPERVISOR ON THE CONTRACTOR'S EROSION / SEDIMENT CONT SITE PLAN. THE STOCKPILES MUST HAVE PERIMETER CONTROL AND STABILIZATION IF SOIL STOCK PILES REMAIN FOR MORE THAN 14 DAYS. STABILIZATION OR COVERING TH PILE WITH PLASTIC OR GEO-TEXTILE MAY ALSO BE NECESSARY FOR CONTROLLING DU	STABILIZATION PRACTICES: TEMPORARY STABILIZATION INCLUDES THE INSTALLATION OF SILT FENCING ON THE DOWNSTREAM GRADIENT OF THE AREA TO BE DISTURBED. INLET PROTECTION WILL A BE REQUIRED ON ALL EXISTING AND PROPOSED STORM SEWER CATCH BASINS AND MAINTAINED THROUGHOUT CONSTRUCTION. EFFECTIVE BMP'S MUST BE IN PLACE ON EXPOSED SOIL AREAS WHERE NO CONSTRUCTION ACTIVITIES WILL OCCUR FOR A PER OF 7 DAYS OR MORE. STABILIZING MUST OCCUR WITHIN 7 DAYS OF THE LAST CONSTRUCTION ACTIVITY.	DOWNSTREAM GRADIENT OF THE AREA TO BE DISTURBED. INLET PROTECTION WILL A BE REQUIRED ON ALL EXISTING AND PROPOSED STORM SEWER CATCH BASINS AND MAINTAINED THROUGHOUT CONSTRUCTION. THE PERMIT REQUIRES THAT TEMPORARY EROSION AND SEDIMENT CONTROLS BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION, AND THAT THEY BE INSPECTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. EFFECTIVE BMP'S MUST BE I PLACE ON ALL EXPOSED SOIL AREAS WHERE NO CONSTRUCTION ACTIVITIES WILL OCC EOR A PERIOD OF 7 DAYS	PERIMETER/SEDIMENT CONTROLS: ONE CONSTRUCTION EXIT/ENTRANCE SHALL BE INCORPORATED INTO THE PROJECT. CONSTRUCTION TRAFFIC SHALL UTILIZE THE CONSTRUCTION EXIT(S) SUCH THAT TRAG OUT OF SEDIMENT IS MINIMIZED IN ACCORDANCE WITH THE GENERAL PERMIT. SILT FENCING, BIOROLL AND SILT DIKES SHALL BE INSTALLED ON THE PERIMETER AND/OR	CONTROLS
S S	UED FOR PERMIT - NOT FOR	CONSTRUCTION	DPER F OIL HE N. -	BY THE T NG ROM	LED ED BY INER ACH	RB TO	ROL : IE JST.	LSO ALL RIOD	LSO N CUR	ALL CK	
			KHA PROJECT 160640027	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND							
С			DATE 06/21/2024	THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.							
309	RYAN COMPANIES	SWPPP	SCALE ######## DESIGNED BY CJW	Mr. M	2024 KIMLEY-HORN AND ASSOCI 767 EUSTIS STREET, SUITE 100, ST. P	ATES, INC. AUL, MN 55114					
	US, INC. BAXTER MN		DRAWN BY MJS CHECKED BY JTL	MATTHEW J. SORENSON MN DATE: 05/24/2024 LIC. NO. 59721	PHONE: 651-645-4197 WWW.KIMLEY-HORN.CO	Σ	ÖZ	REVIS	SNOI	DATE	BΥ

LEGEND

PROPERTY LINE
SETBACK LINE
DRAINAGE AND UTILITY EASEMENT
PROPOSED FENCE
RETAINING WALL
PROPOSED CURB AND GUTTER
EXISTING CONTOUR
PROPOSED CONTOUR
PROPOSED RIDGE LINE
PROPOSED SWALE
PROPOSED STORM MANHOLE (SOLID CASTING)
PROPOSED STORM MANHOLE (ROUND INLET CASTING)
PROPOSED STORM MANHOLE/ CATCH BASIN (CURB INLET CAST
PROPOSED STORM SEWER CLENOUT
PROPOSED FLARED END SECTION
PROPOSED RIPRAP
PROPOSED STORM SEWER
PROPOSED SPOT ELEVATION
PROPOSED HIGH POINT ELEVATION
PROPOSED LOW POINT ELEVATION
PROPOSED GUTTER ELEVATION
PROPOSED TOP OF CURB ELEVATION
PROPOSED FLUSH PAVEMENT ELEVATION
MATCH EXISTING ELEVATION
PROPOSED EMERGENCY OVERFLOW ELEVATION
PROPOSED TOP/BOTTOM OF WALL ELEVATION

SITE PLAN NOTES

- REFER TO CERTIFIED SITE SURVEY OR PLAT FOR EXACT LOCATION OF EXISTING EASEMENTS, PROPERTY BOUNDARY DIMENSIONS, AND ADJACENT RIGHT-OF-WAY PARCEL INFORMATION.
- DIMENSIONS AND RADII ARE DRAWN TO THE FACE OF CURB, UNLESS OTHERWISE NOTED. DIMENSIONS ARE ROUNDED TO THE NEAREST TENTH FOOT, AND AREAS ARE ROUNDED TO THE NEAREST SQUARE FOOT.
- UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING EXISTING SITE IMPROVEMENTS THAT CONFLICT WITH THE PROPOSE WORK. INCLUDING BUT NOT LIMITED TO TRAFFIC SIGNS, LIGHT POLES, ABOVEGROUND UTILITIES, ETC. PERFORM WORK IN ACCORDANCE WITH GOVERNING AUTHORITIES REQUIREMENTS AND PROJECT SITE WORK SPECIFICATIONS. COST SHALL BE INCLUDED IN BASE BID.

INFILTRATION BMP NOTES

- TO THE EXTENT PRACTICABLE, LIMIT USE OF HEAVY CONSTRUCTION EQUIPMENT THE BOUNDARIES OF THE PROPOSED INFILTRATION BMP. UTILIZE AN EXCAVATOR A TOOTHED BUCKET TO AVOID COMPACTING OR SMEARING OF SOILS.
- 2. AFTER INITIAL EXCAVATION AND ROUGH GRADING, PROVIDE A MINIMUM OF TWO DOUBLE RING INFILTROMETER TESTS WITHIN THE INFILTRATION AREA AT THE ELEVATION OF THE BASIN BOTTOM. PROVIDE THE RESULTS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO COMPLETING INSTALLATION OF BASIN OR UNDERGROUND SYSTEM.
- 3. IF CLAY SOILS ARE ENCOUNTERED, OVER-EXCAVATE AS NECESSARY TO REACH N SANDY/SILTY SOIL BACKFILL THE ADDITIONAL EXCAVATION WITH SUITABLE ENGINEERED FILL MATERIAL.
- 4. IF NATIVE SUBGRADE SOILS AT THE BOTTOM OF THE PROPOSED INFILTRATION AR ARE DETERMINED TO NOT BE CONDUCIVE TO THE DESIGN INFILTRATION REQUIREMENTS, REMOVE AND REPLACE THE POORLY INFILTRATION SOILS TO A WHERE THE EXISTING NATIVE SUBGRADE SOILS MEET OR EXCEED THE DESIGN INFILTRATION REQUIREMENTS AS REVIEWED BY THE ENGINEER.
- 5. FINAL EXCAVATION OF THE INFILTRATION AREA AND INSTALLATION OF ANY ENGIN SOIL MUST OCCUR IN DRY CONDITIONS TO PREVENT SMEARING AND COMPACTIO
- REMOVE ANY EXCESS SOILS THAT ENTER THE INFILTRATION BASIN PRIOR TO FIN 6 STABILIZATION.
- 7. UPON COMPLETION OF THE INFILTRATION/FILTRATION SYSTEM INSTALLATION ANI STABILIZATION OF THE TRIBUTARY AREA, PROVIDE DOCUMENTATION THAT THE B DRAINS DOWN WITHIN 48 HOURS.

STORM SEWER NOTES

- INSTALL STORM SEWER IN ACCORDANCE WITH APPLICABLE CITY OR STATE SPECIFICATIONS, STATE PLUMBING CODE, AND BUILDING PERMIT REQUIREMENTS
- 2. CONTACT STATE 811 CALL-BEFORE-YOU-DIG LOCATING SERVICE AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION FOR UNDERGROUND UTILITY LOCATIONS
- 3. STORM SEWER MATERIALS PER CITY OF BAXTER SPECIFICATIONS.
- 4. CONTRACTOR IS RESPONSIBLE FOR ALL HORIZONTAL AND VERTICAL CONTROL.
- 5. FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO THE START OF LAND DISTURBING ACTIVITIES NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES OR VARIATIONS IMPAC THE PROPOSED DESIGN OF THE PROJECT.
- 6. EXCAVATE DRAINAGE TRENCHES TO FOLLOW PROPOSED STORM SEWER ALIGNMENTS. REFER TO THE UTILITY PLANS FOR LAYOUT AND ELEVATIONS FOR PROPOSED SANITARY SEWER, WATER MAIN, AND OTHER BUILDING UTILITY SERVICE CONNECTIONS. REFER TO THE GRADING PLAN FOR DETAILED SURFACE ELEVATIONS.
- 7. EXCESS MATERIAL, BITUMINOUS SURFACING, CONCRETE ITEMS, ABANDONED UTILITY ITEMS, AND OTHER UNSTABLE MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF THE CONSTRUCTION SITE.
- 8. ALL STORM SEWER PIPE JOINTS SHALL BE WATER-TIGHT CONNECTIONS.
- 9. ALL STORM SEWER PIPE CONNECTIONS TO MANHOLES SHALL BE GASKETED AND WATER TIGHT. BOOTED COUPLERS AT THE STRUCTURE OR A WATER STOP WITH NON-SHRINK GROUT MAY BE USED IN ACCORDANCE WITH LOCAL CODES.

ODADINO DI ANINOTEO

G	RADING PLAN NOTES	<u> </u>	
1.	PERFORM GRADING WORK IN ACCORDANCE WITH APPLICABLE CITY SPECIFICATIONS AND BUILDING PERMIT REQUIREMENTS.	1.	INSTALL UTIL PLUMBING CO
2.	CONTACT STATE 811 CALL-BEFORE-YOU-DIG LOCATING SERVICE AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION FOR UNDERGROUND UTILITY LOCATIONS.	2.	CONTACT ST. WORKING DA
3.	CONTRACTOR TO FIELD VERIFY THE LOCATIONS AND ELEVATIONS OR EXISTING	3.	CONTRACTO
	CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES OR VARIATIONS.	4.	SANITARY SE
4.	SUBGRADE EXCAVATION SHALL BE BACKFILLED IMMEDIATELY AFTER EXCAVATION TO	5.	WATER MAIN
	HELP OFFSET ANY STABILITY PROBLEMS DUE TO WATER SEEPAGE OR STEEP SLOPES. WHEN PLACING NEW SURFACE MATERIAL ADJACENT TO EXISTING PAVEMENT, THE EXCAVATION SHALL BE BACKFILLED PROMPTLY TO AVOID UNDERMINING OF EXISTING PAVEMENT.	6.	WHEN CONNI AND SIZE OF THE PROJEC PROPOSED D
5.	CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HORIZONTAL AND VERTICAL CONTROL.	7.	PLACE AND C
6.	CONTRACTOR SHALL EXCAVATE DRAINAGE TRENCHES TO FOLLOW PROPOSED UTILITY ALIGNMENTS.	8.	
7.	GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL ROUGH GRADE TO SUBGRADE ELEVATION AND LEAVE STREET READY FOR SUBBASE.	9.	FOR WATER I AS THRUST E
8.	ALL EXCESS MATERIAL, BITUMINOUS SURFACING, CONCRETE ITEMS, ANY ABANDONED UTILITY ITEMS, AND OTHER UNSTABLE MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF THE CONSTRUCTION SITE.	10.	MAINTAIN 18- STORM SEWE
9.	REFER TO THE UTILITY PLAN FOR SANITARY SEWER MAIN, WATER MAIN SERVICE LAYOUT AND ELEVATIONS AND CASTING / STRUCTURE NOTATION.		PIPE AND WA
10.	CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF PAVEMENTS AND CURB AND GUTTER WITH SMOOTH UNIFORM SLOPES TO PROVIDE POSITIVE DRAINAGE.	11.	ALL PVC & HE TRENCH AND
11.	INSTALL A MINIMUM OF 4" CLASS 5 AGGREGATE BASE UNDER CURB AND GUTTER AND CONCRETE SIDEWALKS.	12.	UNDERGROU TO PLACING
12.	UPON COMPLETION OF EXCAVATION AND FILLING, CONTRACTOR SHALL RESTORE ALL STREETS AND DISTURBED AREAS ON SITE. ALL DISTURBED AREAS SHALL BE RE-VEGETATED WITH A MINIMUM OF 6" OF TOPSOIL.	13.	RAISE MANHO MANHOLE CA CITY REQUIR
13.	ALL SPOT ELEVATIONS/CONTOURS ARE TO GUTTER / FLOW LINE UNLESS OTHERWISE NOTED.	14.	CONTRACTOR EXISTING UTI VARIOUS UTI
14.	GRADING FOR ALL SIDEWALKS AND ACCESSIBLE ROUTES INCLUDING CROSSING DRIVEWAYS SHALL CONFORM TO CURRENT ADA STATE/NATIONAL STANDARDS. IN NO CASE SHALL ACCESSIBLE RAMP SLOPES EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPES EXCEED 2%. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPES EXCEED 5%. IN NO CASE SHALL ACCESSIBLE PAPKING STALL S OP		CONTRACTOR BEFORE ANY BE THE RESP WHICH CONF
	AISLES EXCEED 2% (1.5% TARGET) IN ALL DIRECTIONS. SIDEWALK ACCESS TO EXTERNAL BUILDING DOORS AND GATES SHALL BE ADA COMPLIANT. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IF ADA CRITERIA CANNOT BE MET IN ANY LOCATION PRIOR TO PAVING. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR A.D.A COMPLIANCE ISSUES.	15.	CONTRACTOR CERTIFICATIO COORDINATE SPECIFICATIO
15.	MAINTAIN A MINIMUM OF 0.5% GUTTER SLOPE TOWARDS LOW POINTS.	16.	EXCAVATE DI REFER TO TH
16.	CONTRACTOR TO PROVIDE 3" INSULATION BY 5' WIDE CENTERED ON STORM PIPE IF LESS THAN 4' OF COVER IN PAVEMENT AREAS AND LESS THAN 3' OF COVER IN		THE GRADING
17	LANDSCAPE AREAS.	17.	EXCESS MAT SHALL BECO
	MANHOLE CONNECTIONS.	18.	ALL STORM S
18.	MAINTAIN A MINIMUM OF 1.25% SLOPE IN BITUMINOUS PAVEMENT AREAS, 0.5% SLOPE IN CONCRETE PAVEMENT AREAS.	19.	ALL STORM S
19.	CONTRACTOR SHALL REVIEW PAVEMENT GRADIENT AND CONSTRUCT "INFALL CURB" WHERE PAVEMENT DRAINS TOWARD GUTTER, AND "OUTFALL" CURB WHERE PAVEMENT DRAINS AWAY FROM GUTTER.		TIGHT. BOOT GROUT MAY I

UTILITY PLAN NOTES

- LITIES IN ACCORDANCE WITH APPLICABLE CITY SPECIFICATIONS, STATE CODE, AND BUILDING PERMIT REQUIREMENTS.
- TATE 811 CALL-BEFORE-YOU-DIG LOCATING SERVICE AT LEAST TWO AYS PRIOR TO EXCAVATION FOR UNDERGROUND UTILITY LOCATIONS.
- OR IS RESPONSIBLE FOR ALL HORIZONTAL AND VERTICAL CONTROL.
- EWER MATERIALS PER CITY OF BAXTER SPECIFICATIONS.
- I MATERIALS PER CITY OF BAXTER SPECIFICATIONS.
- ECTING TO AN EXISTING UTILITY LINE, FIELD VERIFY THE LOCATION, DEPTH, THE EXISTING PIPE(S) PRIOR TO INSTALLATION OF THE NEW LINES. NOTIFY CT ENGINEER OF ANY DISCREPANCIES OR VARIATIONS IMPACTING THE DESIGN OF THE PROJECT.
- COMPACT ALL FILL MATERIAL PRIOR TO INSTALLATION OF PROPOSED JND UTILITIES. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
- MINIMUM OF 8'-6" COVER ON ALL WATER LINES.
- LINES AND STUB-OUTS UTILIZE MECHANICAL JOINTS WITH RESTRAINTS SUCH BLOCKING, WITH STAINLESS STEEL OR COBALT BLUE BOLTS, OR AS I THE CITY SPECIFICATIONS AND PROJECT DOCUMENTS.
- -INCH MINIMUM VERTICAL SEPARATION WHERE SANITARY SEWER AND /ER PIPES CROSS WATER LINES (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE STRUCTURE). PROVIDE 10-FOOT HORIZONTAL SEPARATION BETWEEN SEWER ATER LINES.
- IDPE SEWER AND WATER PIPE SHALL HAVE A TRACER WIRE INSTALLED IN THE TERMINATED PER THE DETAILS.
- JND UTILITY LINES SHALL BE INSTALLED, INSPECTED AND APPROVED PRIOR BACKFILL.
- IOLE CASTINGS IN ACCORDANCE WITH CITY DETAILS. IN GREEN AREAS, RAISE ASTINGS TO BE FLUSH WITH FINISHED GRADE AND MARKED WITH A POST PER REMENT.
- OR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF TILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE ILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE NFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE OR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS ' EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL PONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES IFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- OR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR IONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES. WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND ONS.
- RAINAGE TRENCHES TO FOLLOW PROPOSED STORM SEWER ALIGNMENTS. THE UTILITY PLANS FOR LAYOUT AND ELEVATIONS FOR PROPOSED SANITARY TER MAIN, AND OTHER BUILDING UTILITY SERVICE CONNECTIONS. REFER TO NG PLAN FOR DETAILED SURFACE ELEVATIONS.
- ERIAL, ABANDONED UTILITY ITEMS, AND OTHER UNUSABLE MATERIALS DME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF RUCTION SITE.
- SEWER PIPE JOINTS SHALL BE WATER-TIGHT CONNECTIONS.
- SEWER PIPE CONNECTIONS TO MANHOLES SHALL BE GASKETED AND WATER TED COUPLERS AT THE STRUCTURE OR A WATER STOP WITH NON-SHRINK Y BE USED IN ACCORDANCE WITH LOCAL CODES.

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			KHA PROJECT	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OF PEPOPT WAS PREPAPED BY					
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0		NOLEV	DESIGNED BY CJW		767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114				
_ 1 \	US. INC.		DRAWN BY MJS		PHONE: 651-645-4197				
	BAXTER MN		снескер ву JTL	DATE: 06/21/2024 LIC. NO. 59721	WWW.KIMLEY-HORN.COM	No.	REVISIONS	DATE	ВΥ

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		KHA PROJECT 160640027	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND	Vindan Monday				
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	IATFRAI	SCALE AS SHOWN		© 2024 KIMI EY-HORN AND ASSOCIATES INC				
THE RYAN COMPANIES		DESIGNED BY CJW		767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114				
US. INC.	PROFILES	DRAWN BY MJS		PHONE: 651-645-4197				
BAXTER MN		снескер ву JTL	DATE: 06/21/2024 LIC. NO. 59721	WWW.KIMLEY-HORN.COM	No.	REVISIONS	DATE	BΥ

GRAPHIC SCALE IN FEET

HORIZONTAL

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	Rimie Ploin 2024 kimlev-Horn and associates, inc. 2024 kimlev-Horn and associates, inc. 767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 Ploine: 651-645-4197 PHONE: 651-645-4197 Nww.Kimlev-Horn.com
	KHA PROJECT I HEREBY CERTIFY THAT THIS PLAN, 160640027 SPECIFICATION OR REPORT WAS PREPARED BY DATE SPECIFICATION OR REPORT WAS PREPARED BY DATE ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF O6/21/2024 MINNESOTA. DESIGNED BY MINNESOTA. DESIGNED BY MATHEW J. SORENSON DESIGNED BY MATHEW J. SORENSON CHECKED BY MI DATE 06/21/2024 LIC. NO. 59721
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