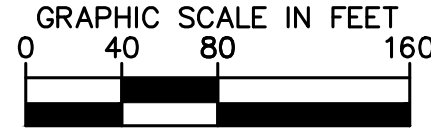
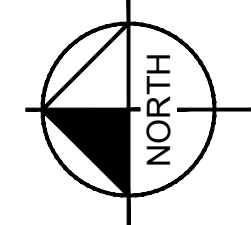
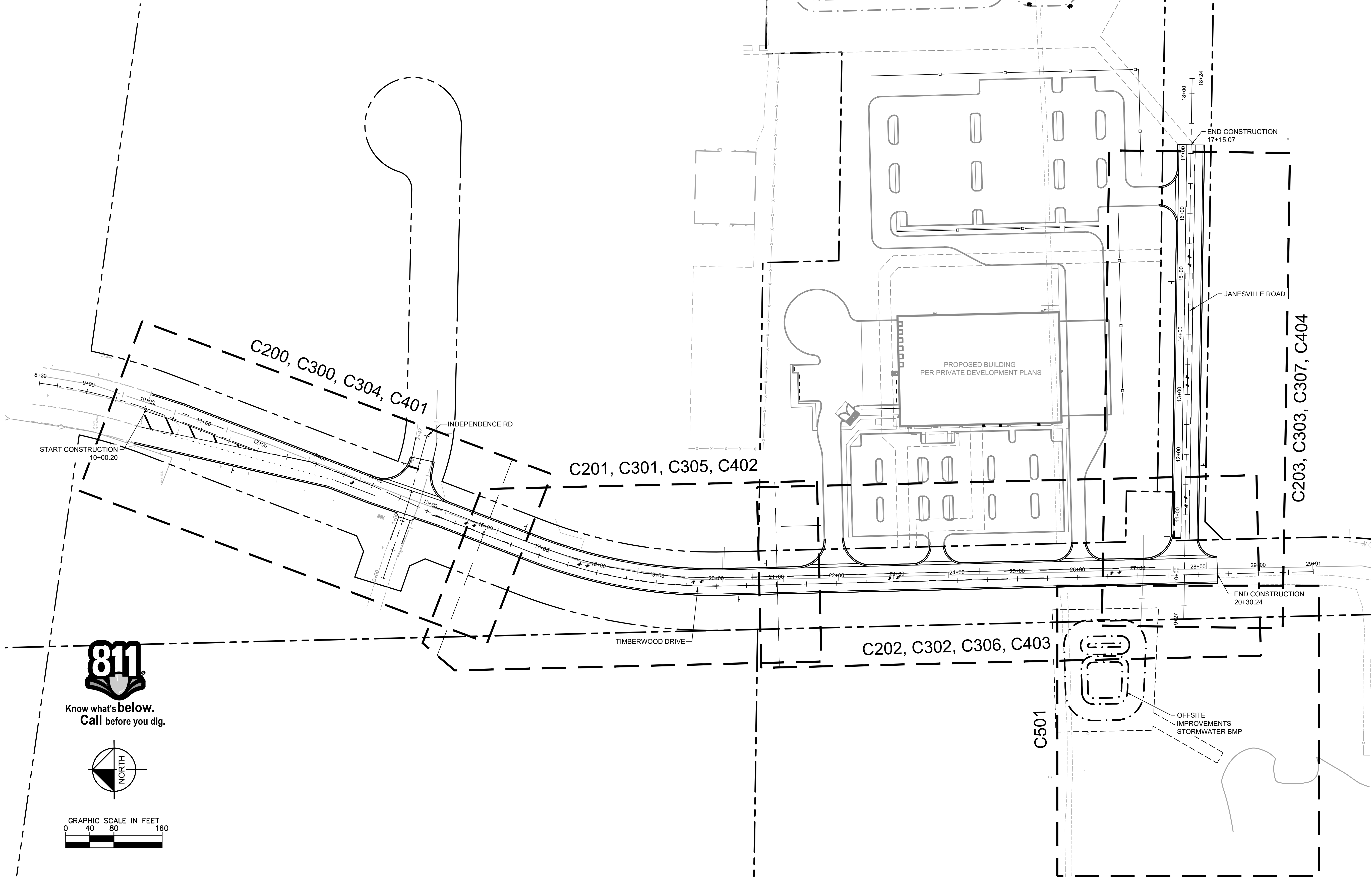


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LEGEND

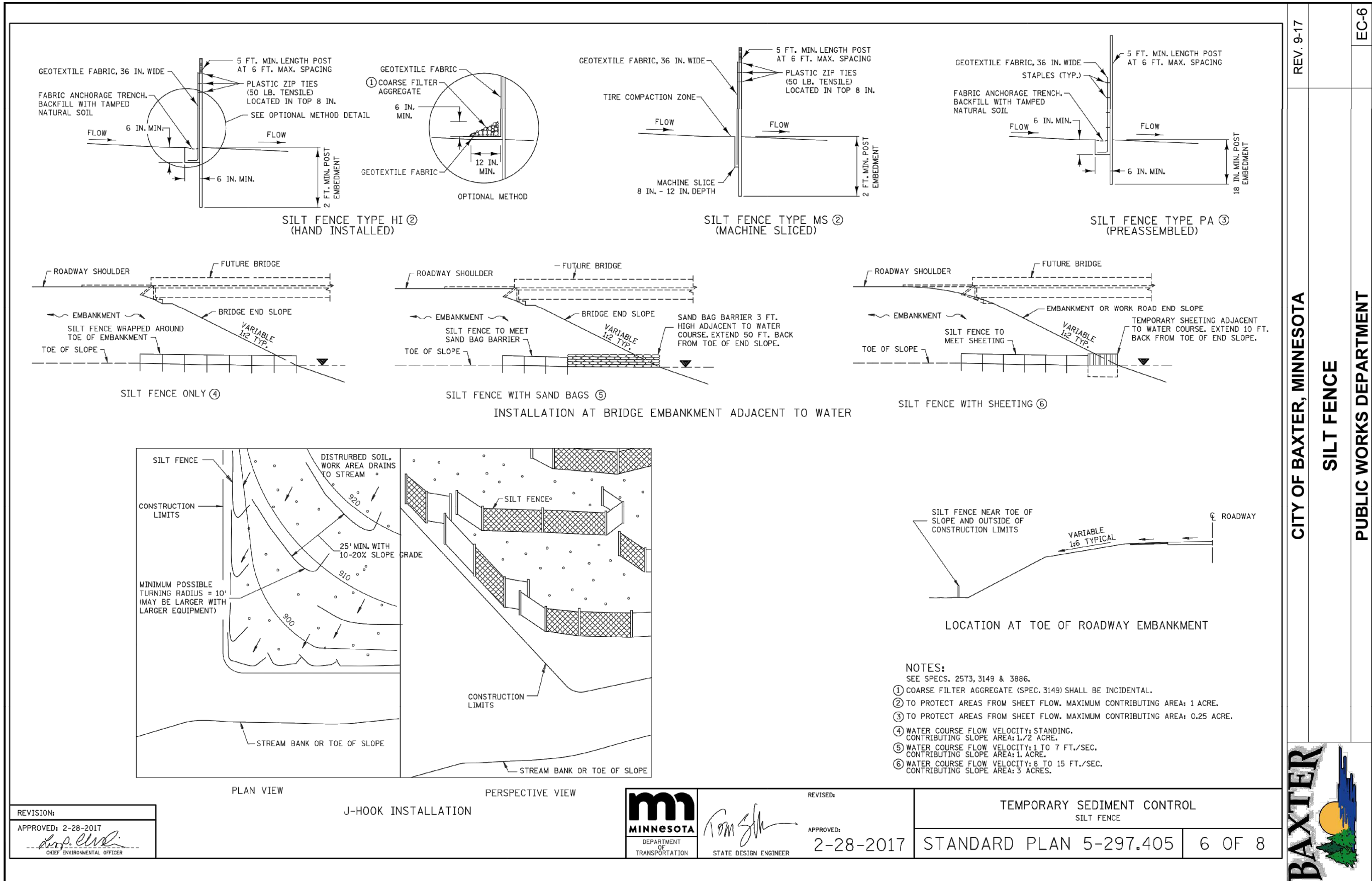
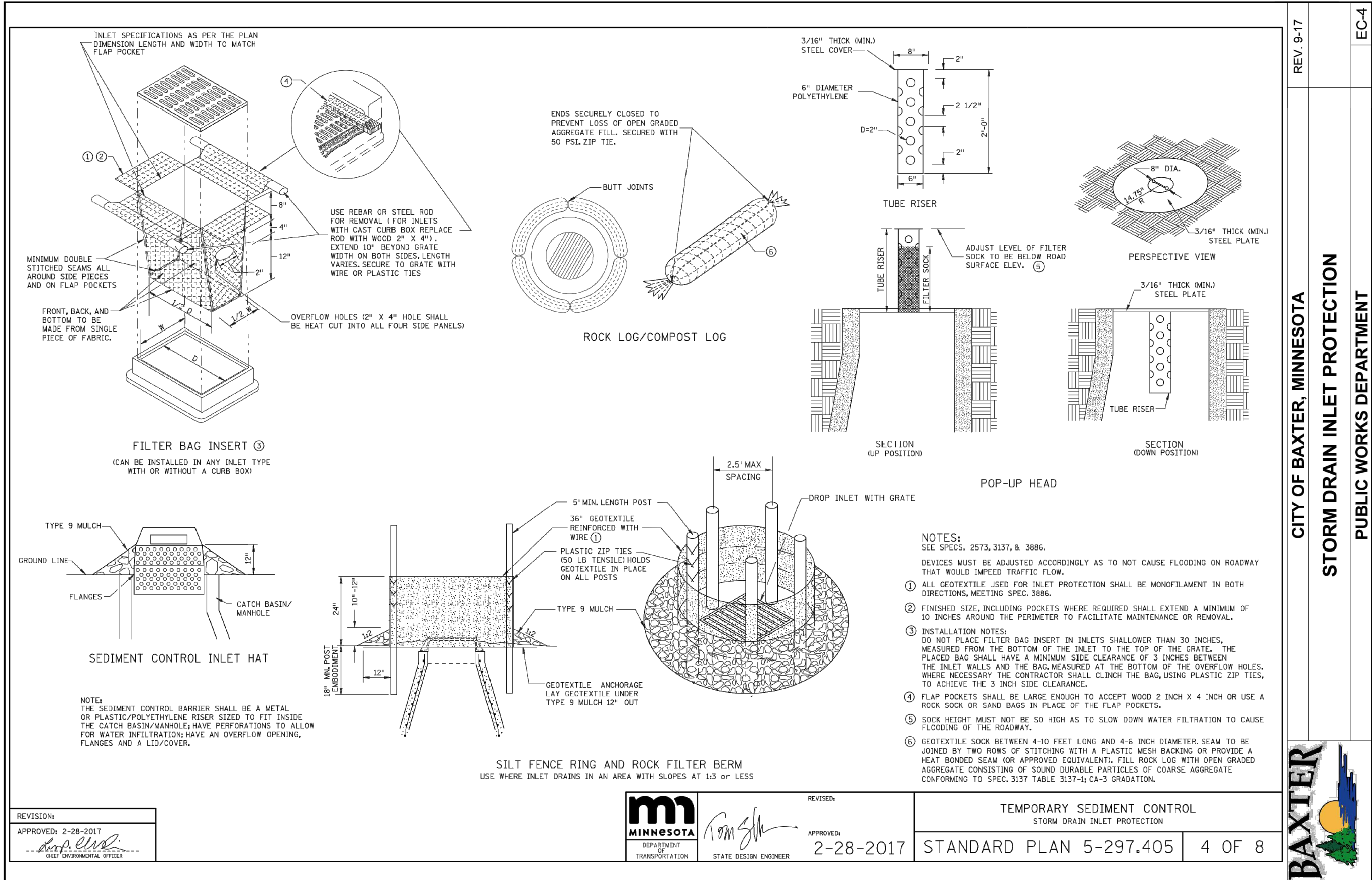
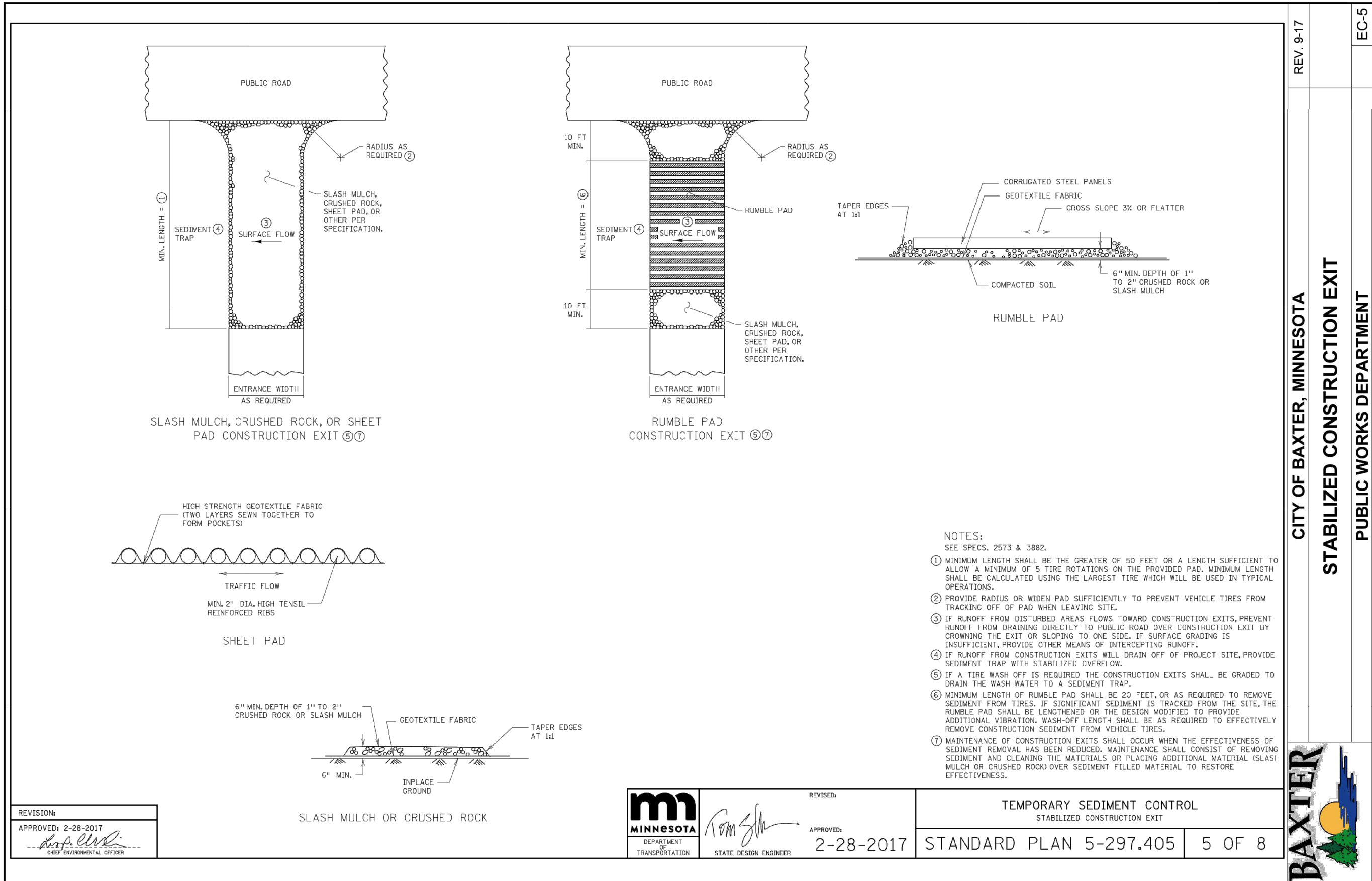
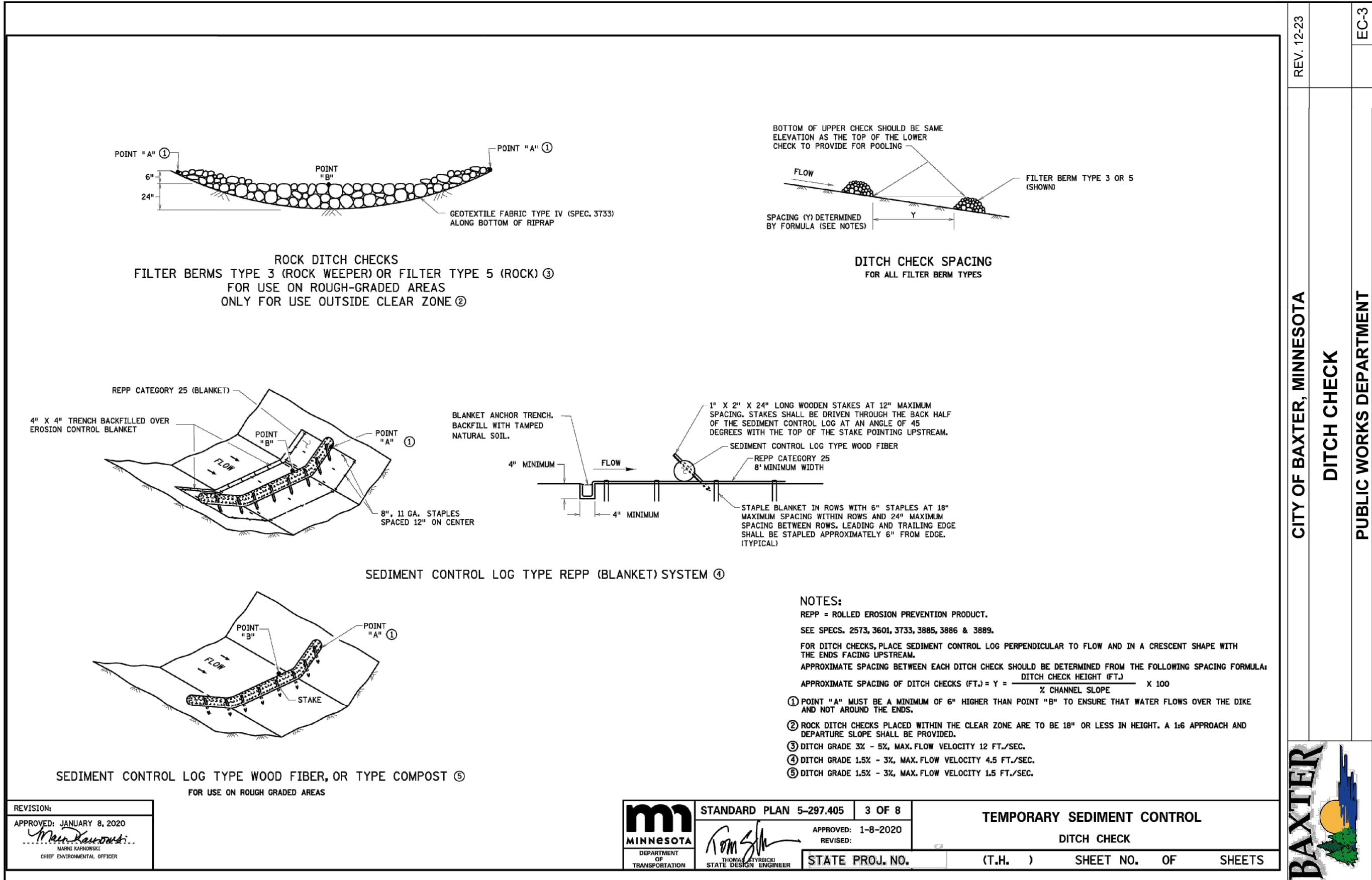
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- RIGHT-OF-WAY
- PROPOSED ROADWAY CENTERLINE
- PROPOSED CURB AND GUTTER



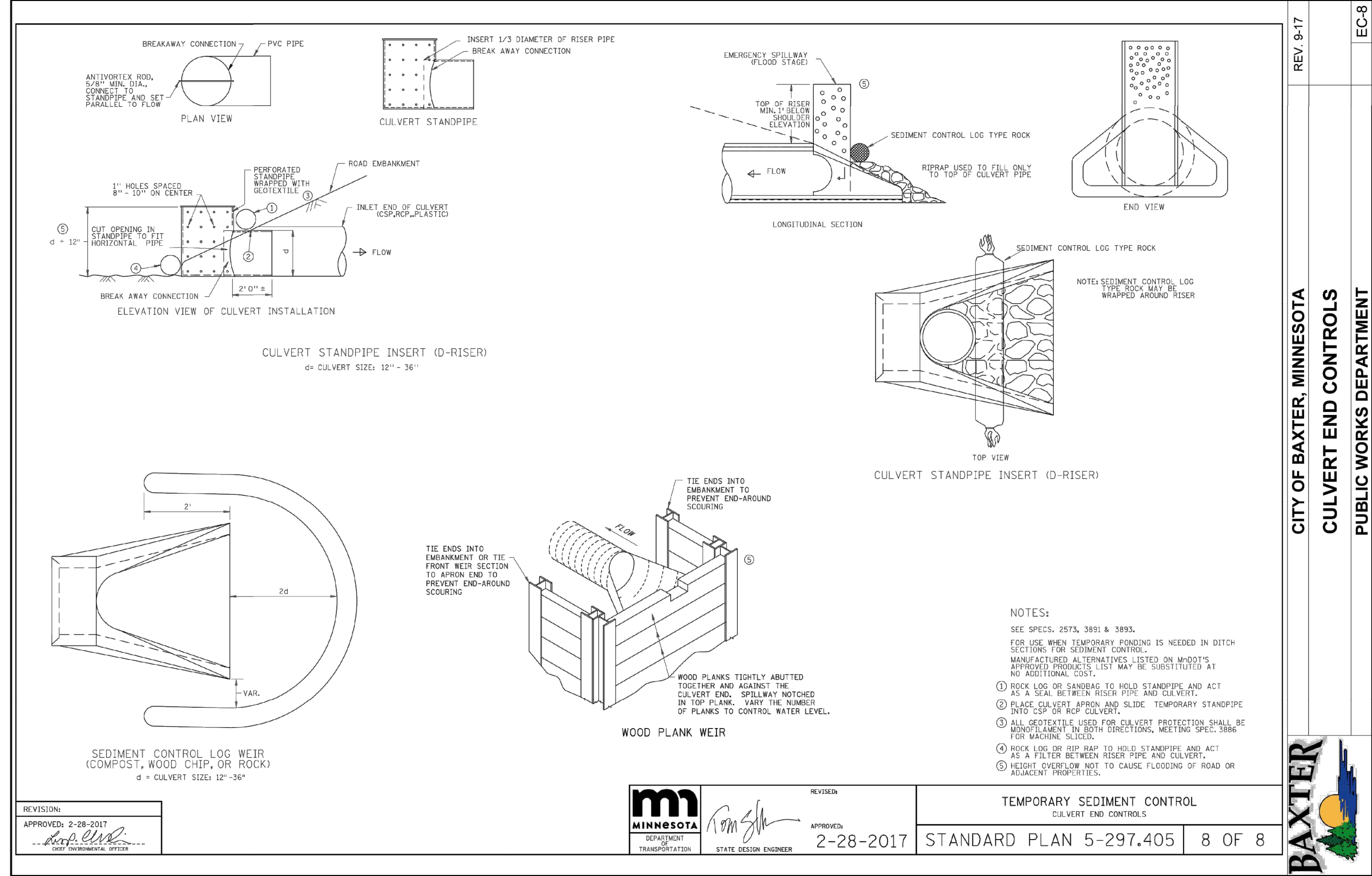
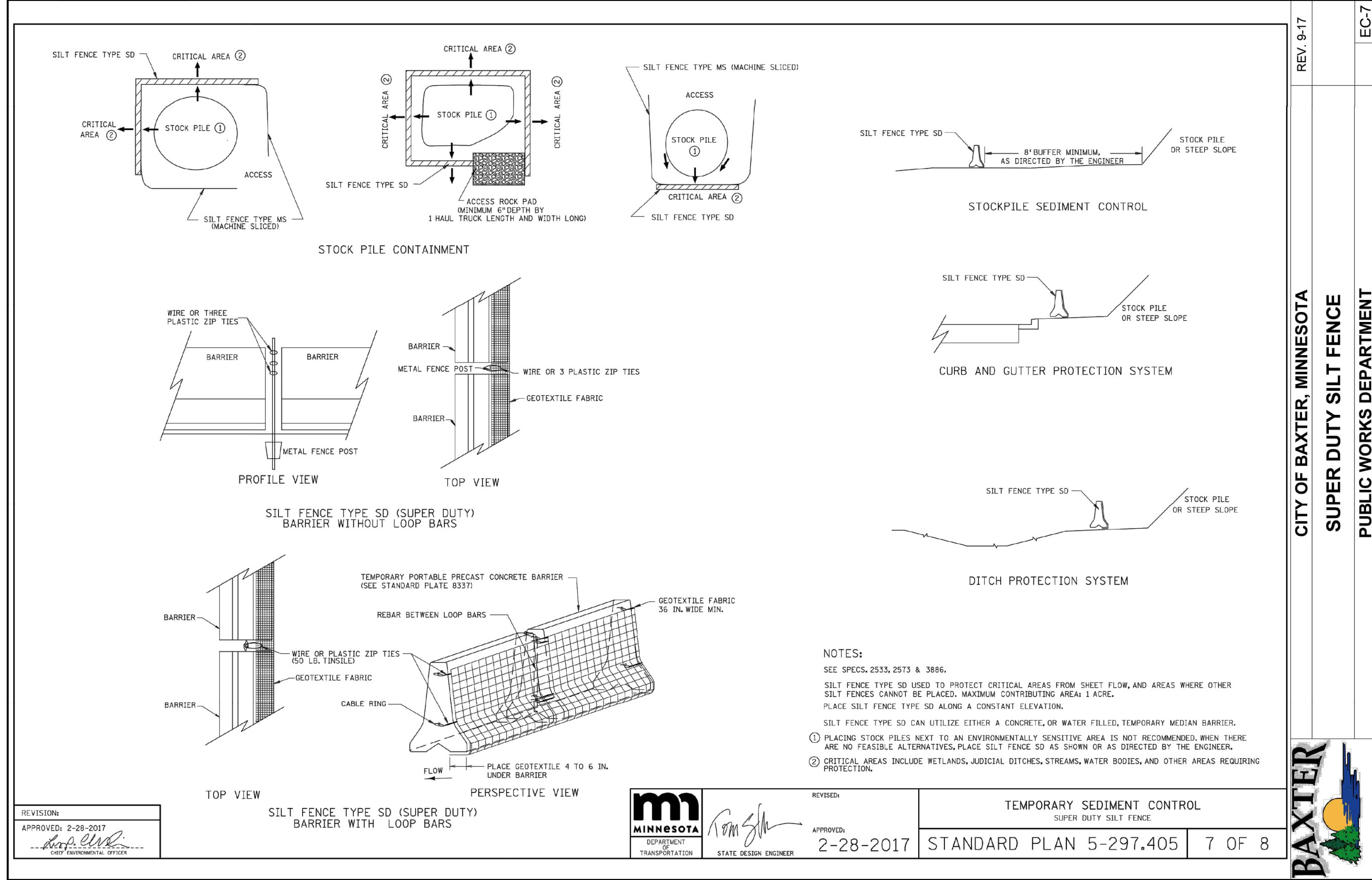
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PROJECT TIMBER WOLF PREPARED FOR RYAN COMPANIES US, INC.	SHEET NUMBER C100	BAXTER	MN	INDEX MAP	KHA PROJECT 160640027 DATE 06/21/2024 SCALE AS SHOWN DESIGNED BY JTL DRAWN BY CJW CHECKED BY MJS	I hereby certify that I am a duly licensed professional engineer under the laws of the state of Minnesota. MATTHEW J. SORENSON DATE 06/21/2024 MN LIC. NO. 59721	Kimley»Horn © 2024 KIMLEY-HORN AND ASSOCIATES, INC. 787 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE 651-845-4197 WWW.KIMLEY-HORN.COM	REVISIONS		DATE	BY
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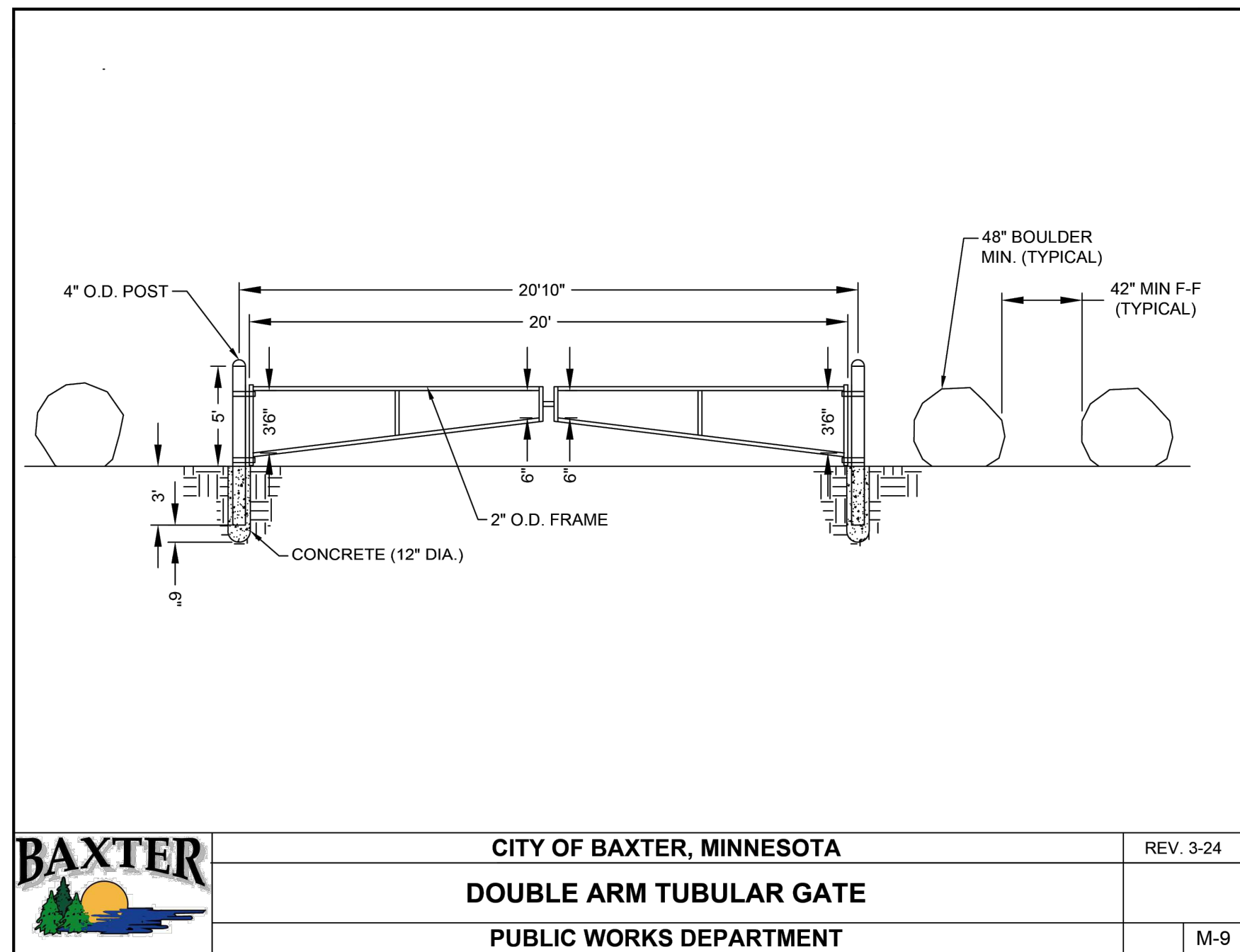
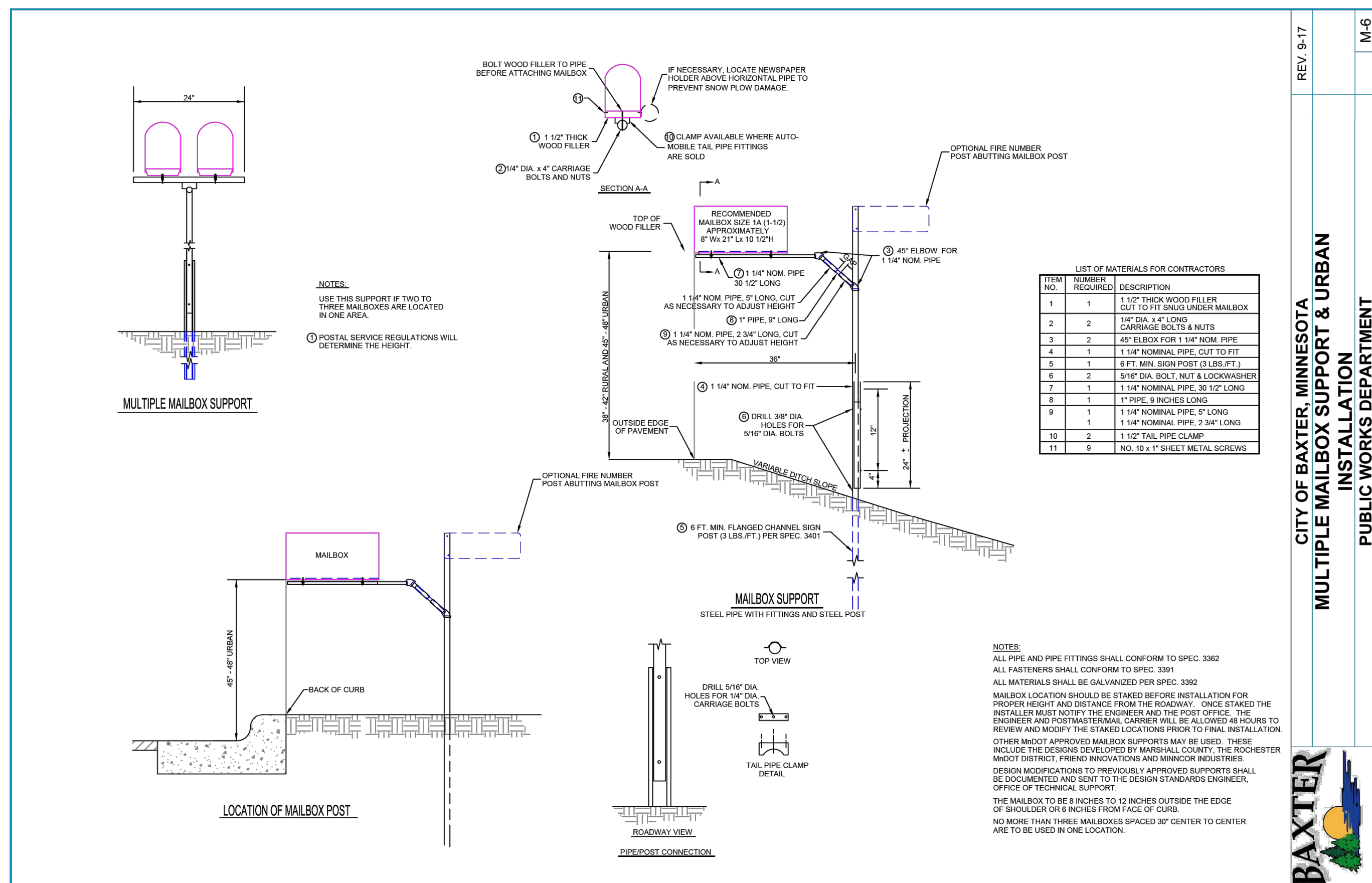
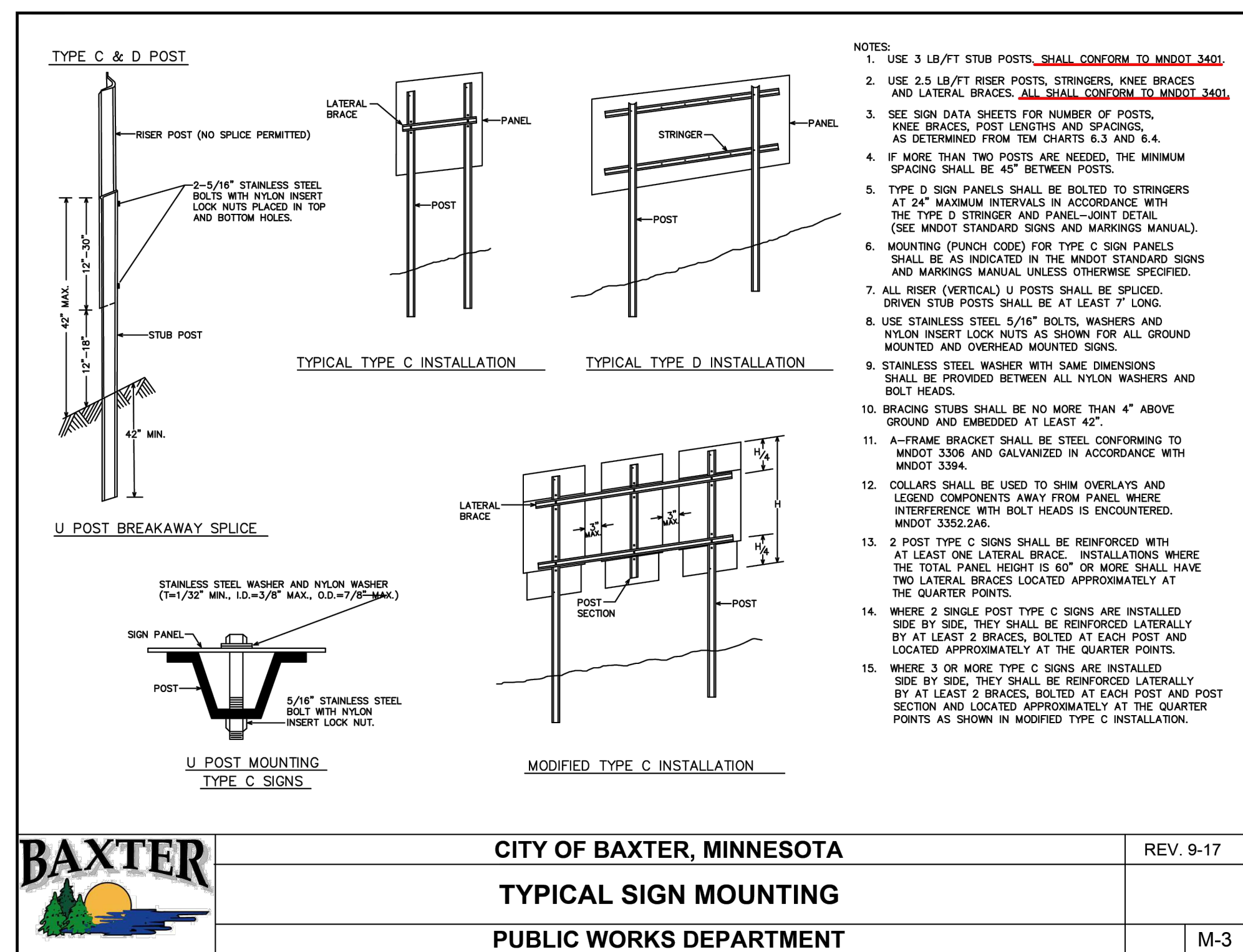
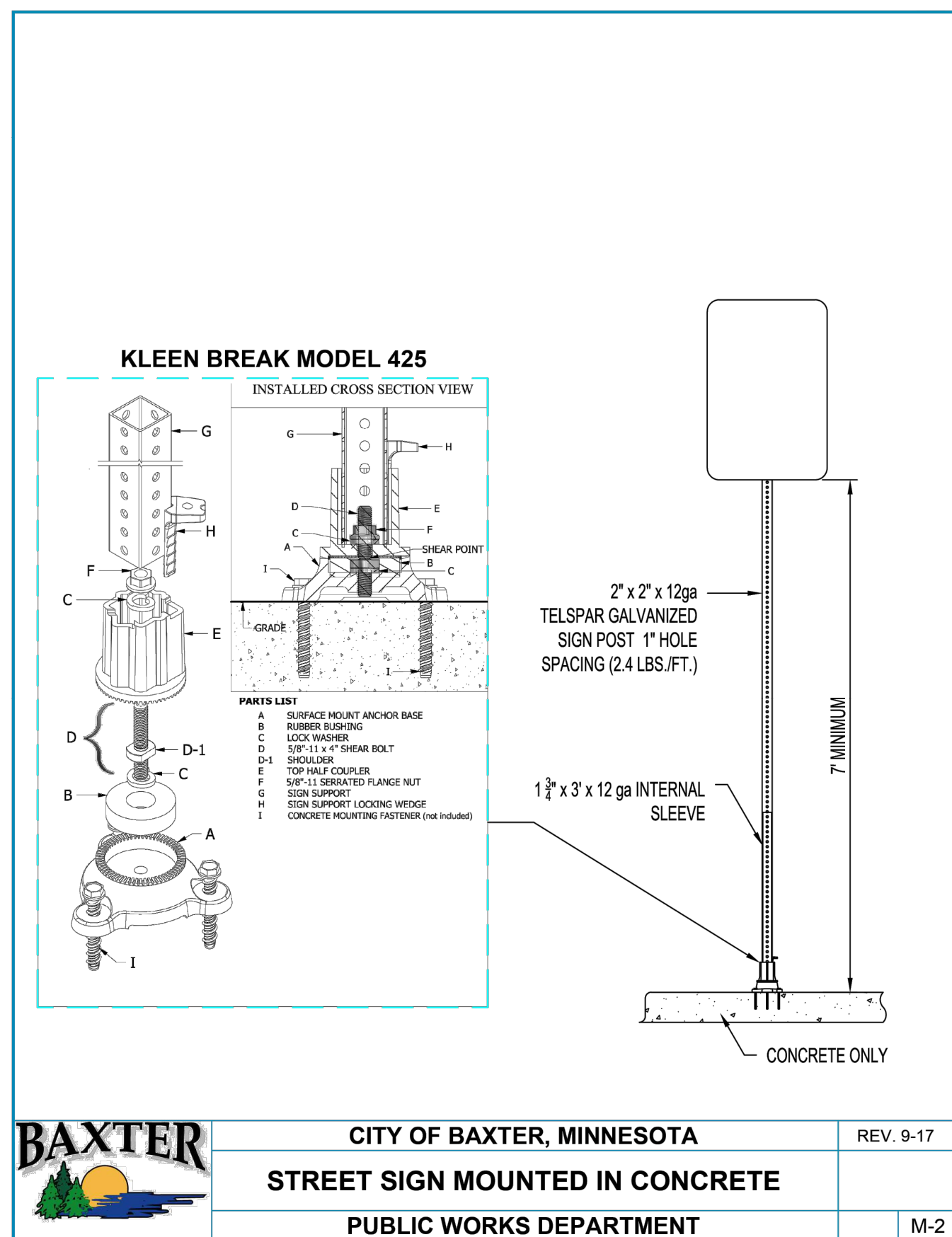
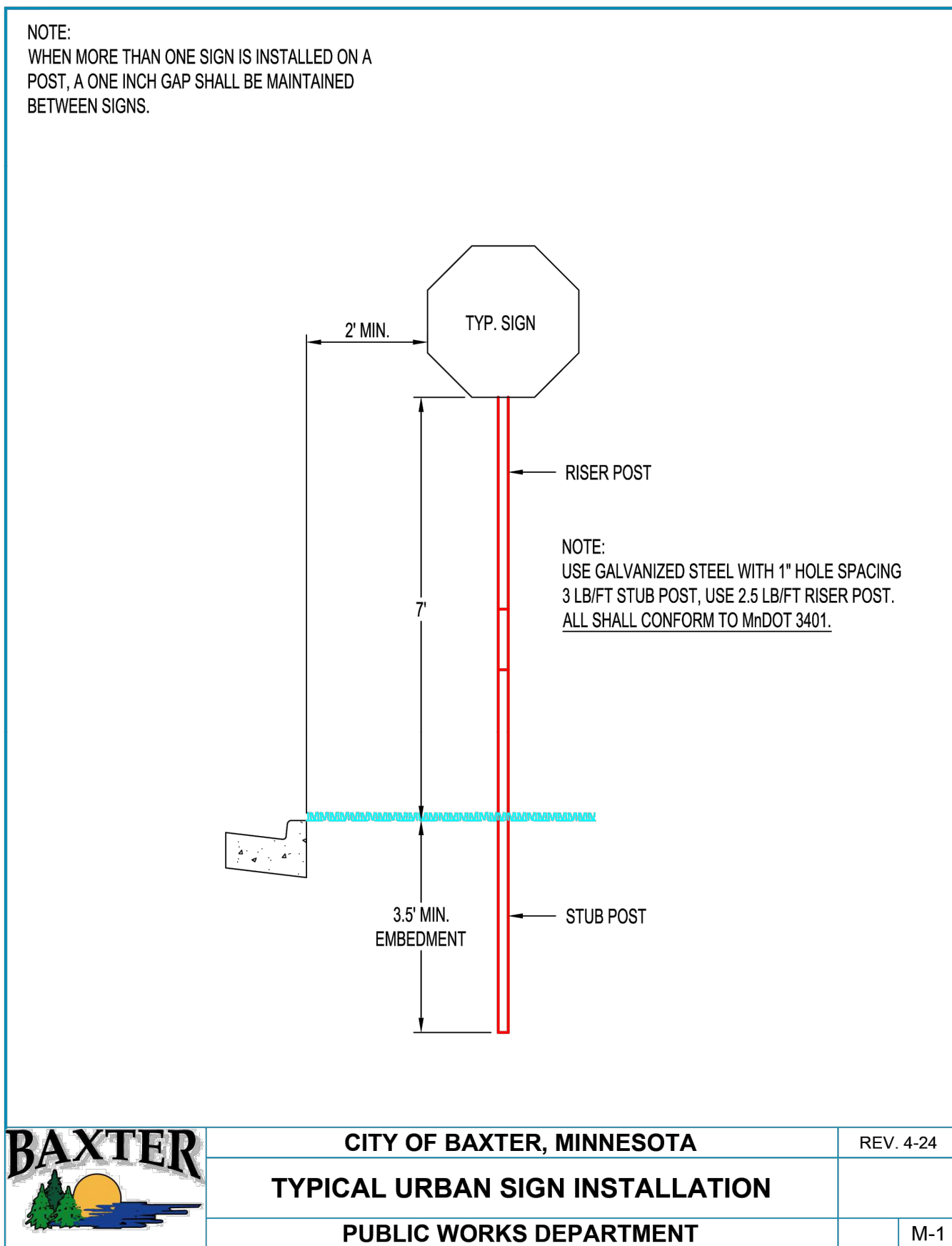
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PREPARED FOR
**RYAN COMPANIES
US, INC.**

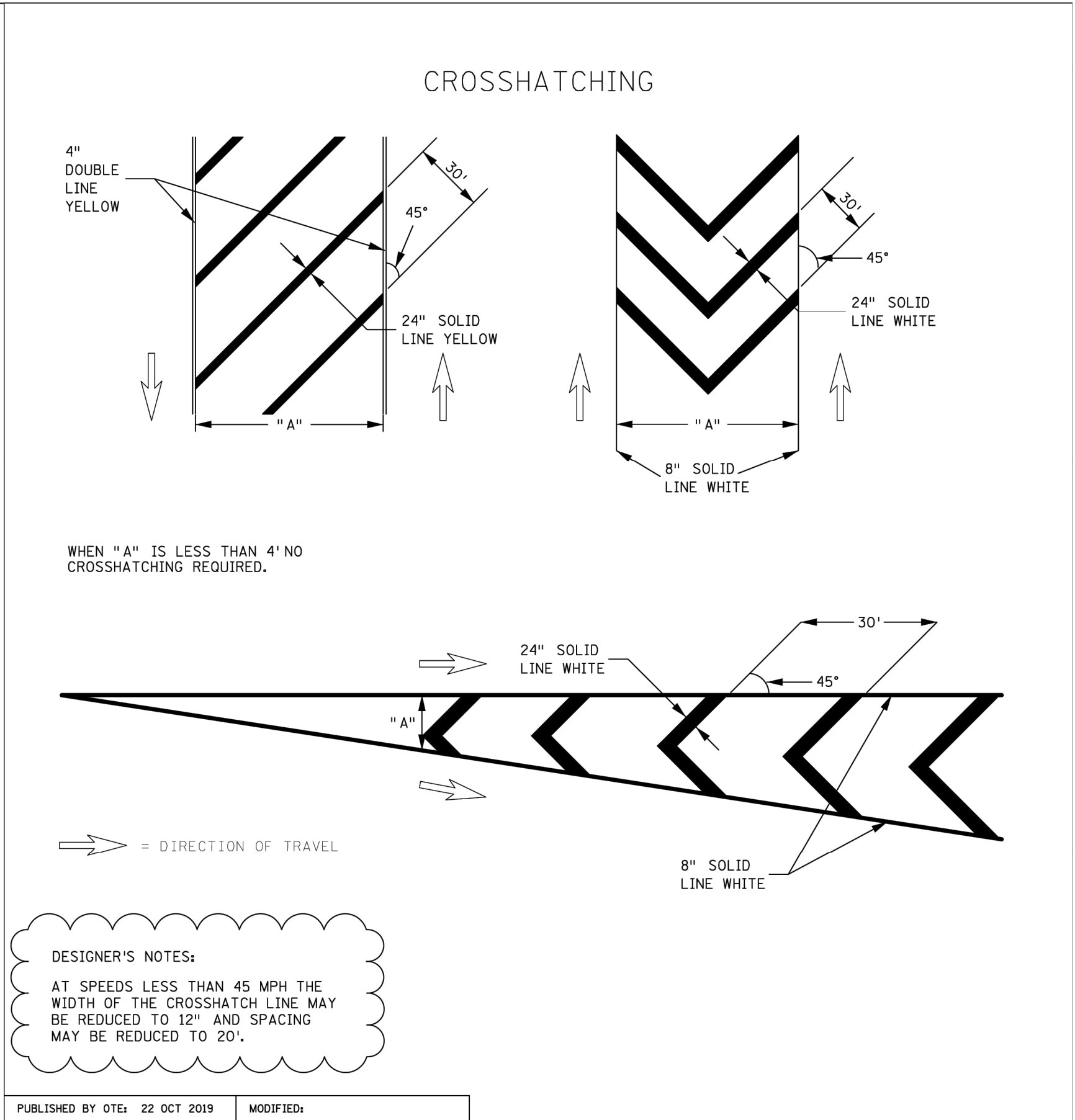
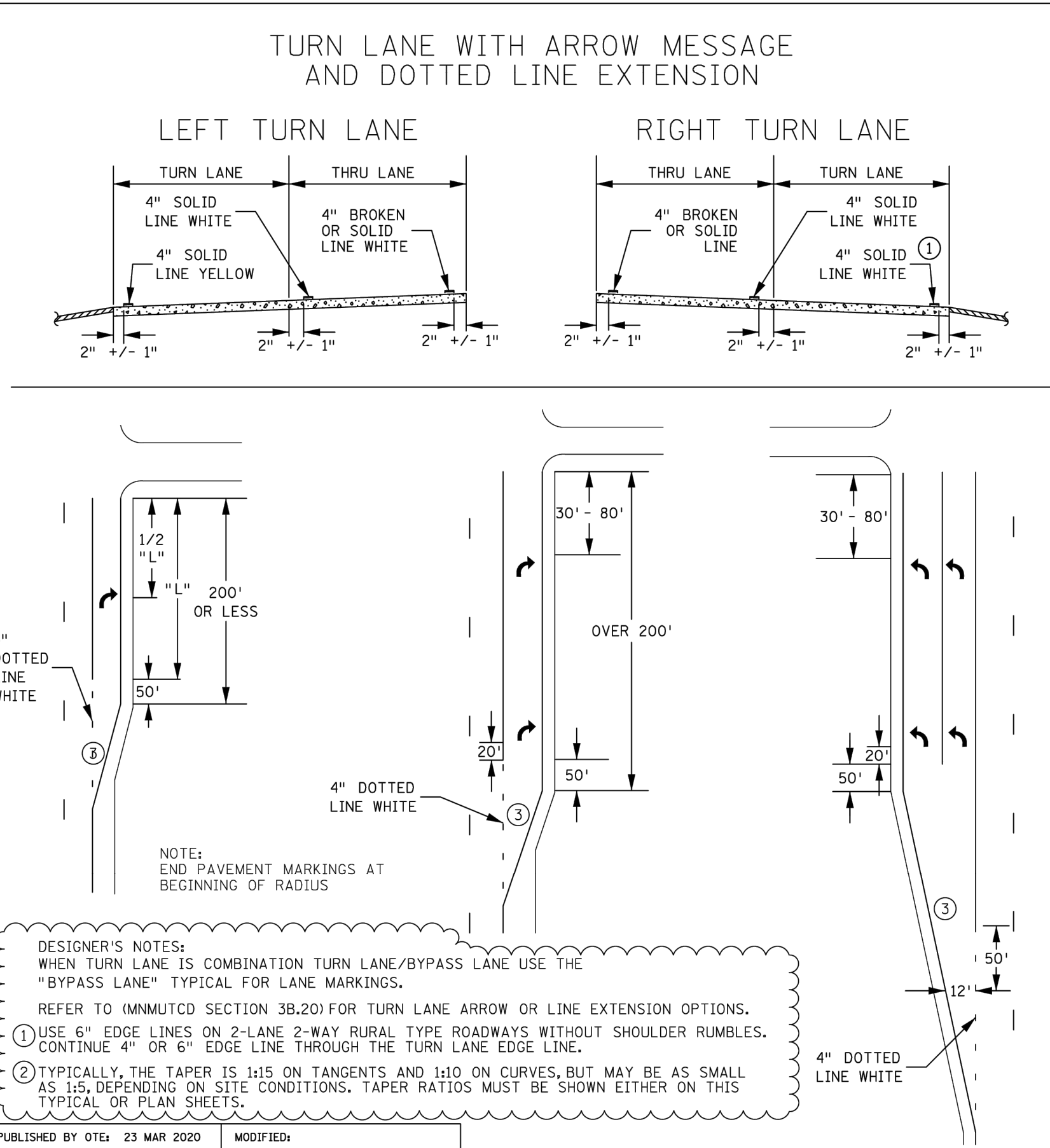
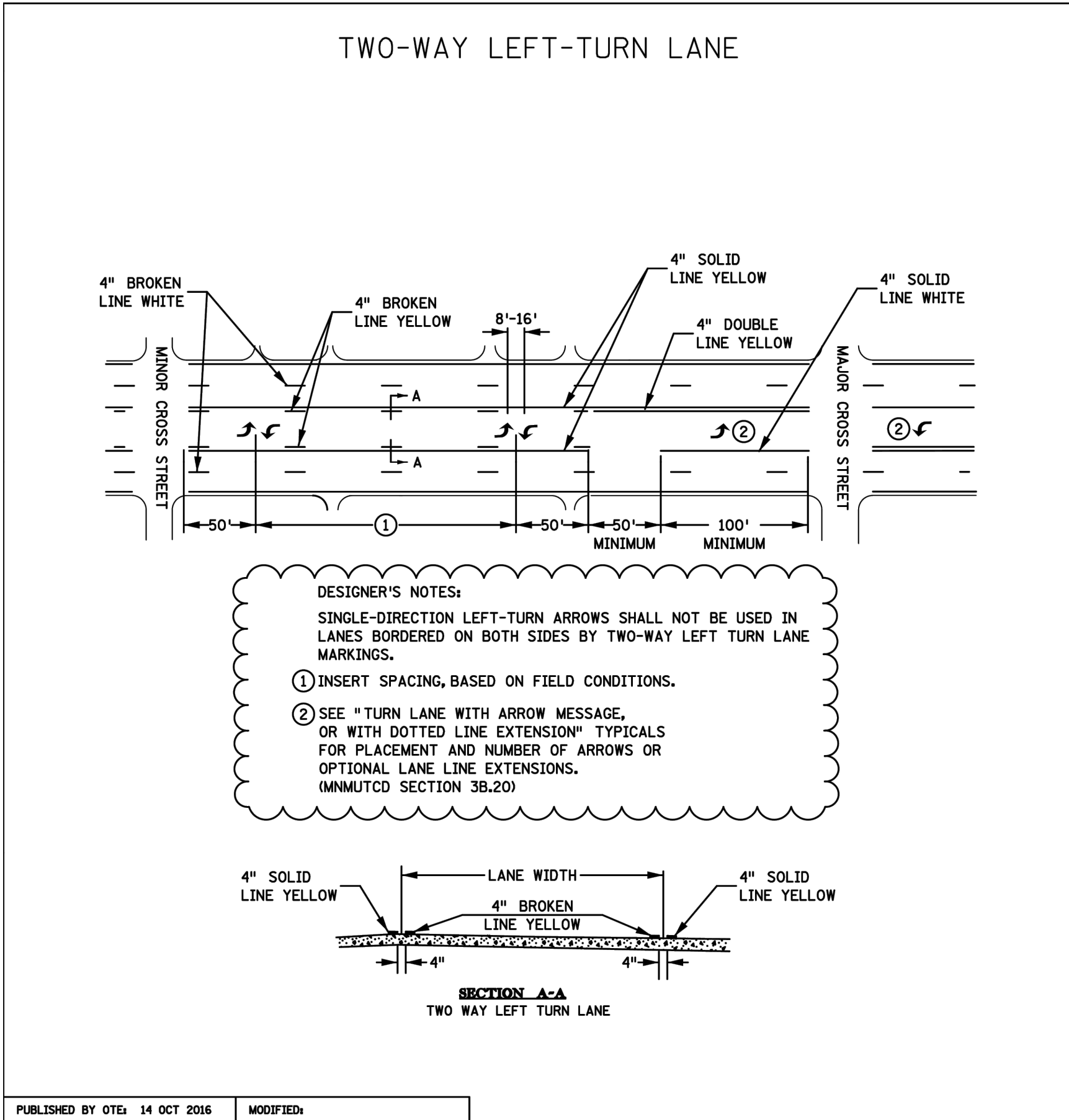
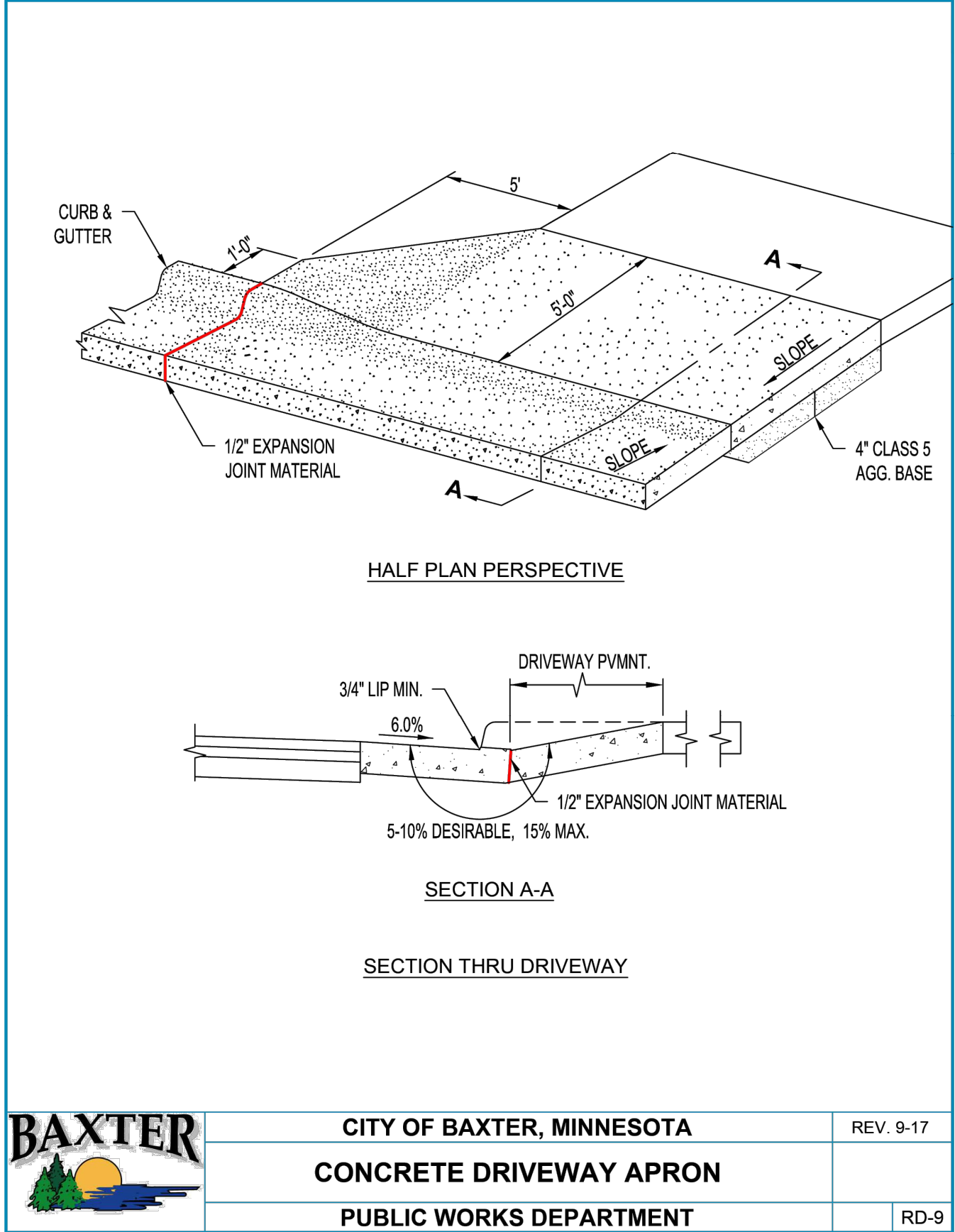
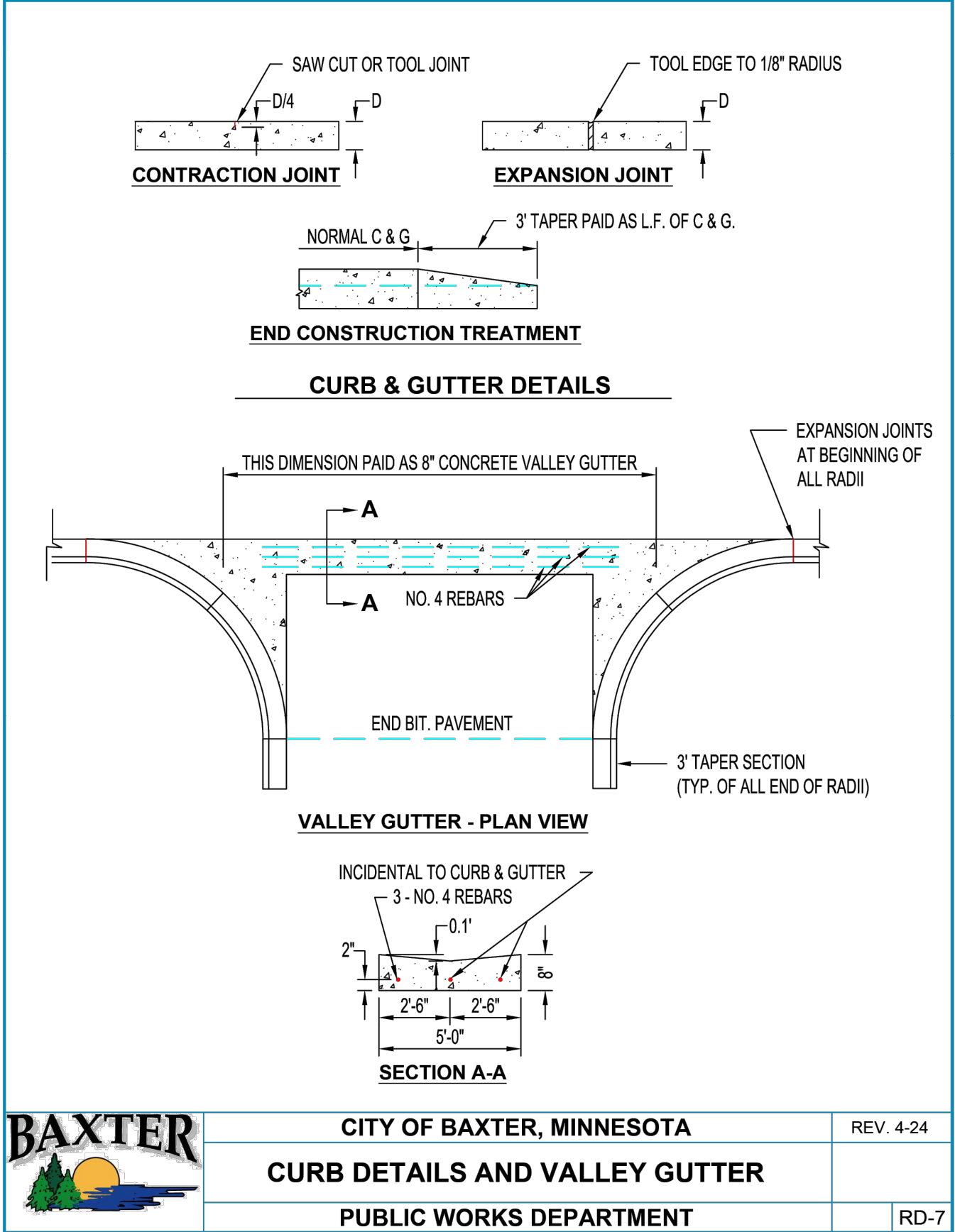
CIVIL DETAILS

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PHONE: 651-945-4197
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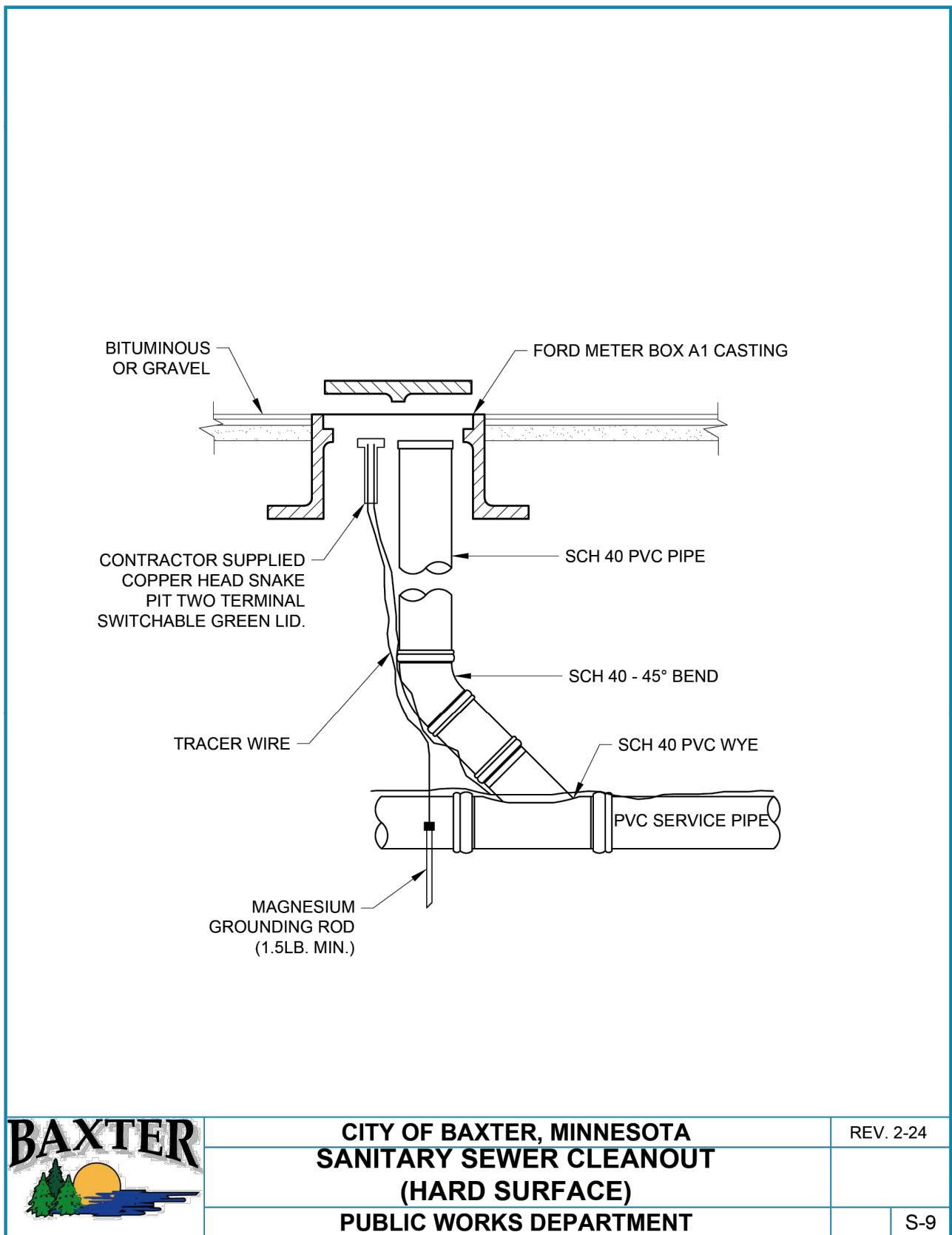
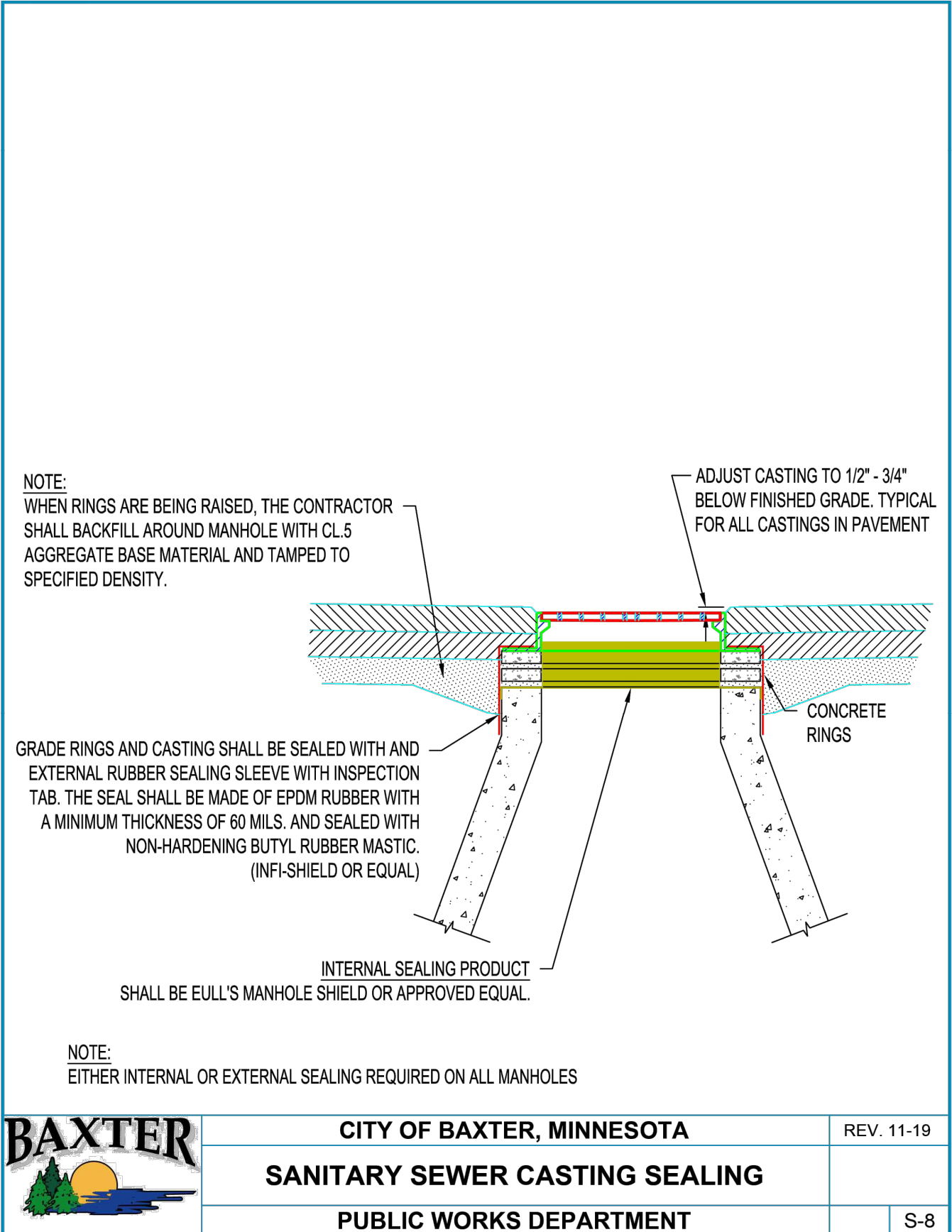
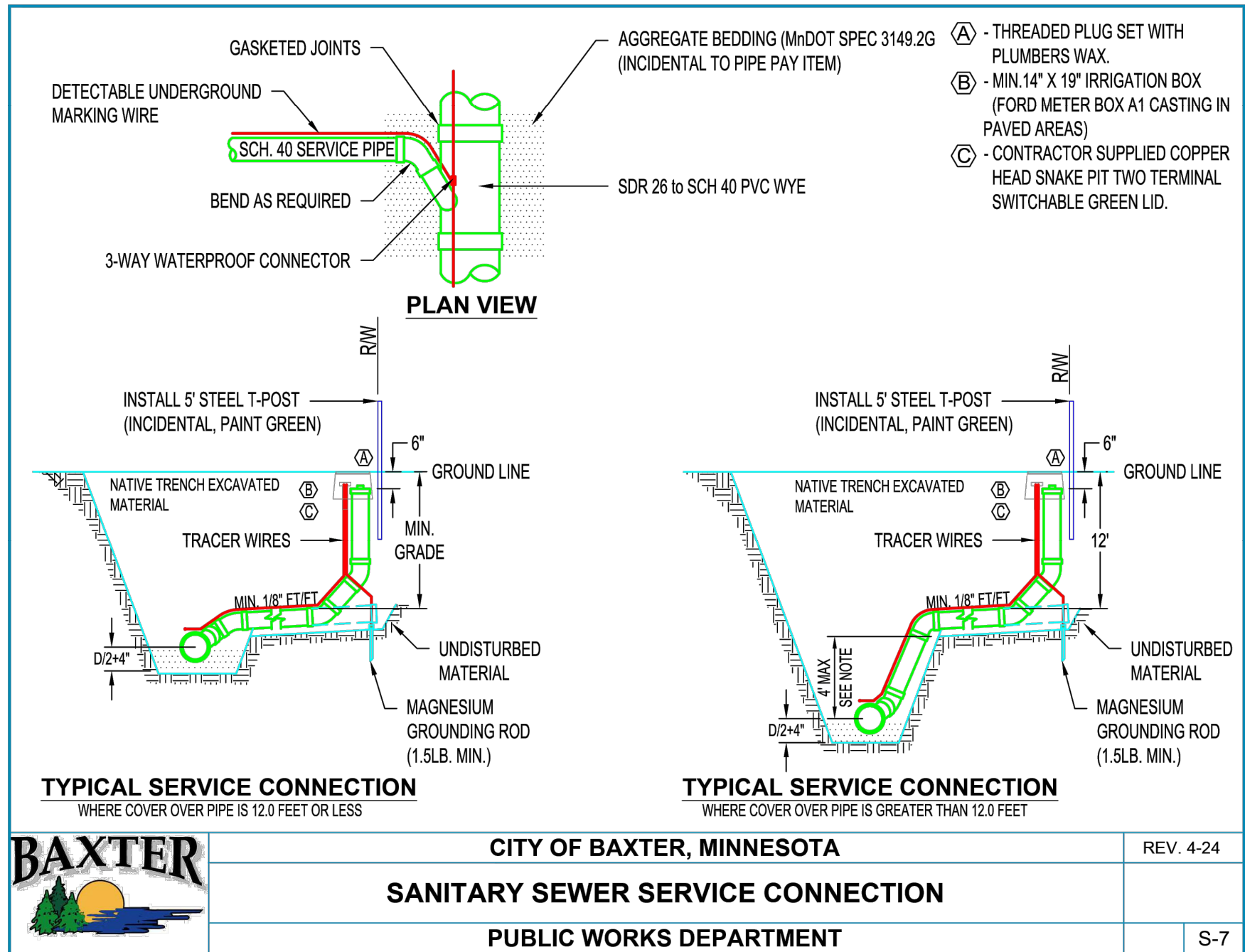
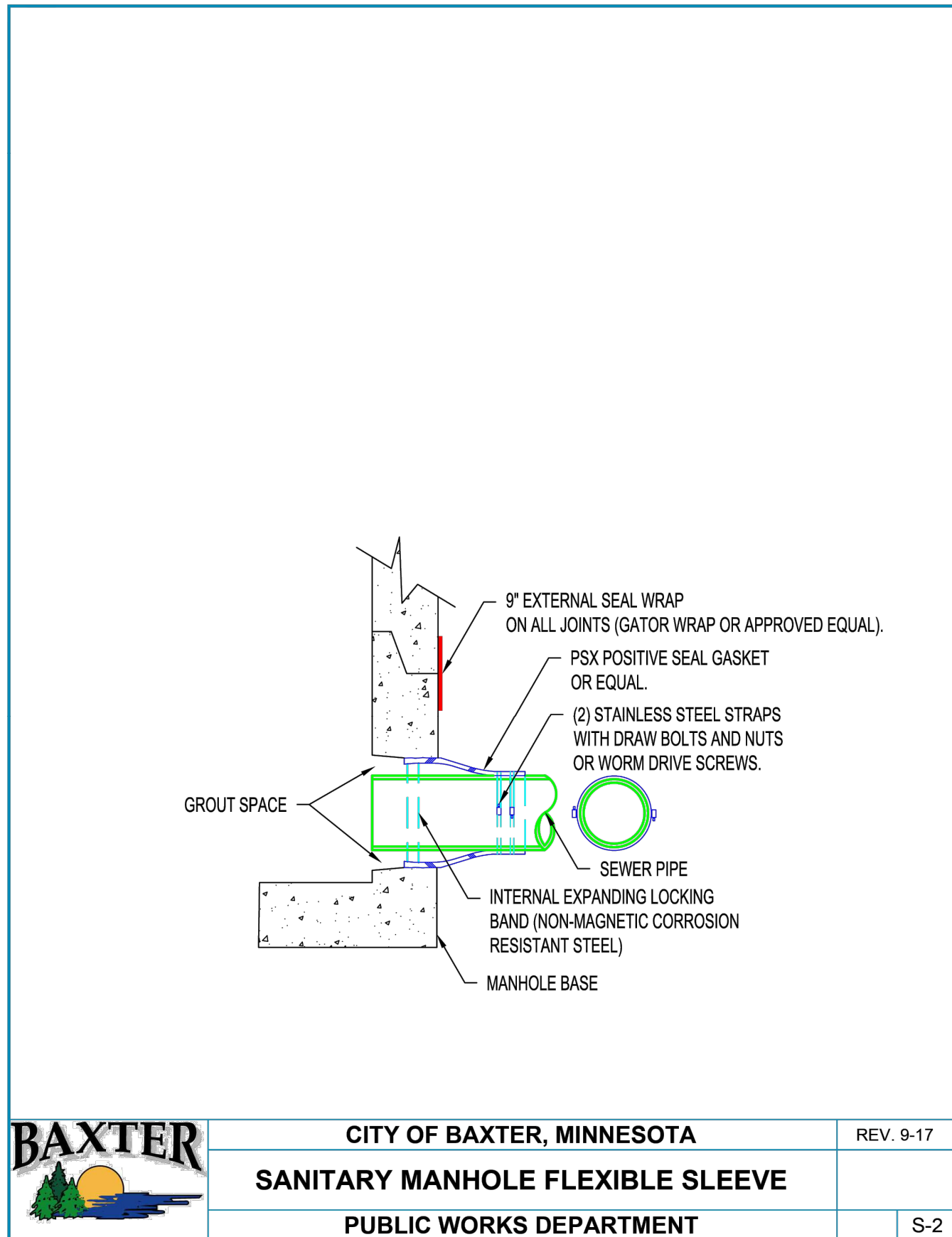
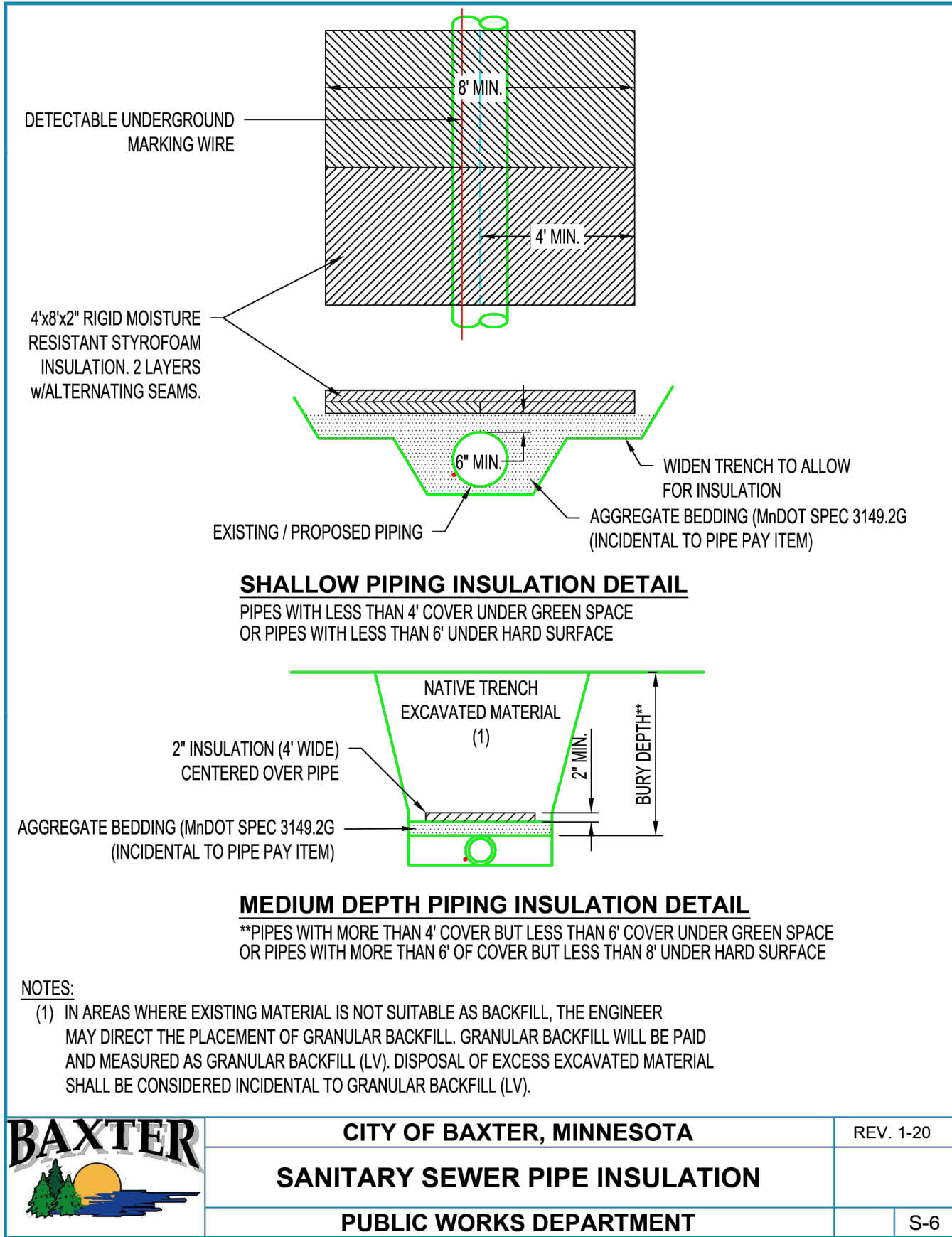
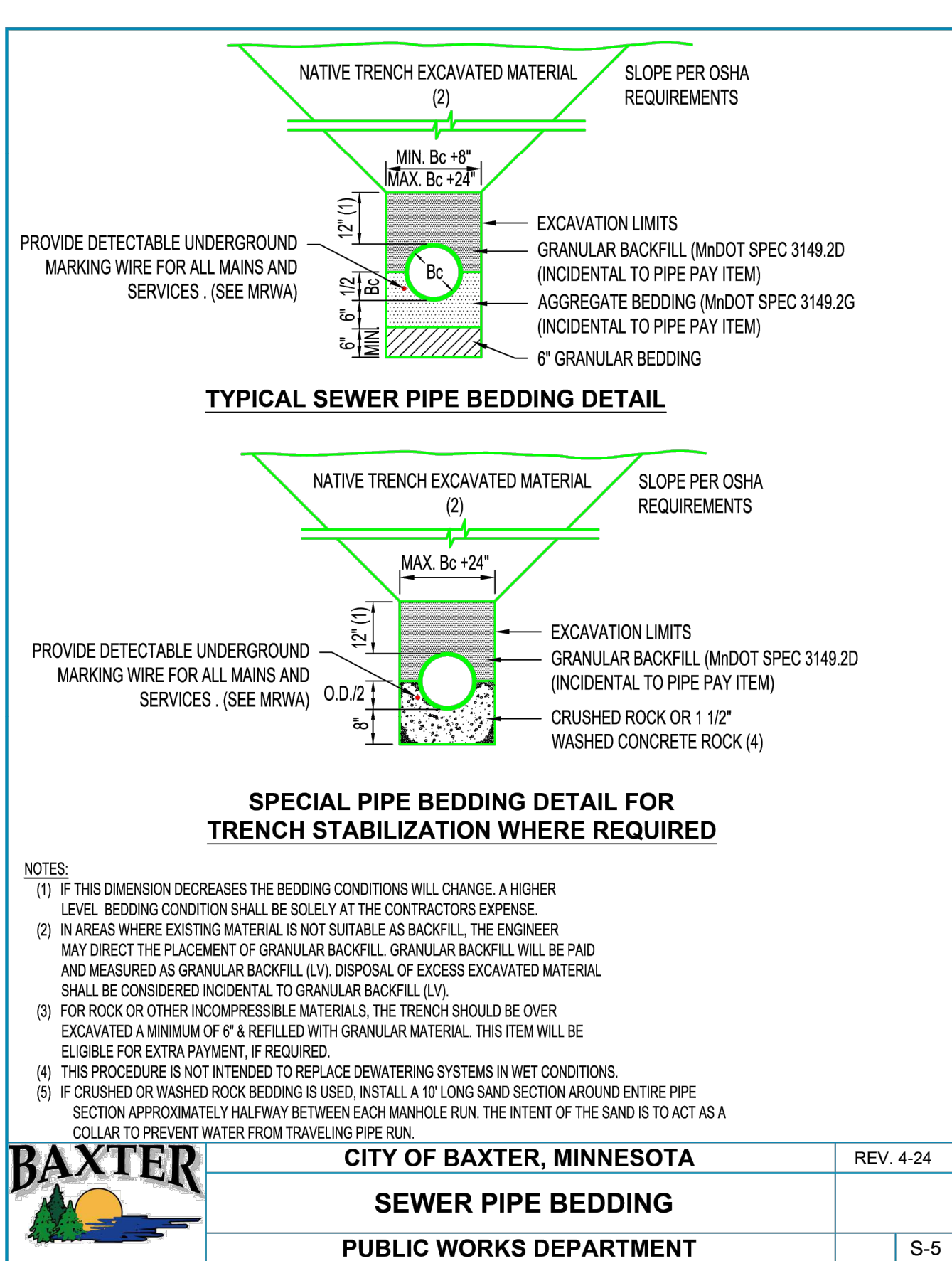
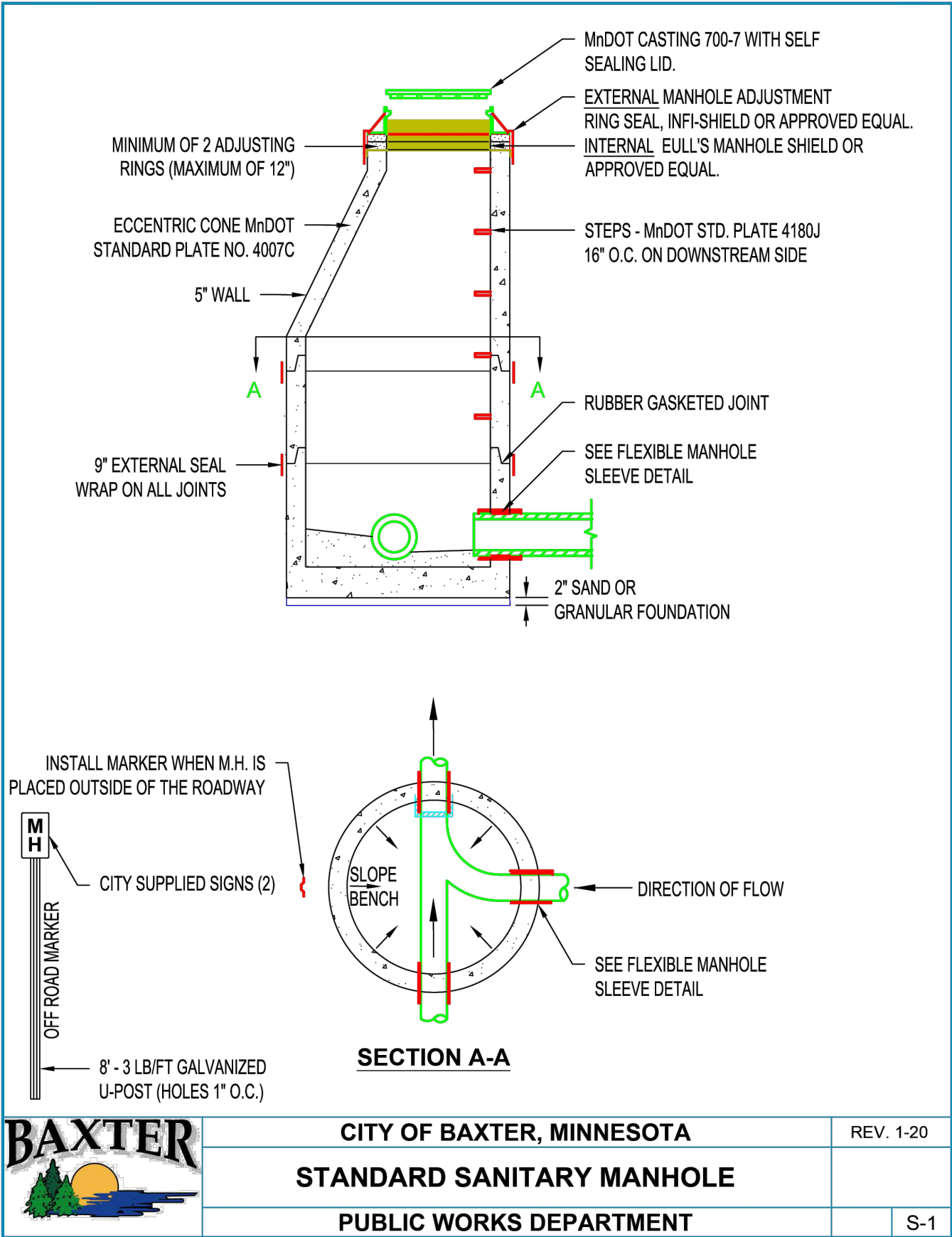
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SHEET NUMBER C104	PROJECT TIMBER WOLF PREPARED FOR RYAN COMPANIES US, INC. BAXTER	CIVIL DETAILS				Kimley»»Horn 2024 KIMLEY-HORN AND ASSOCIATES, INC. 767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE: 651-645-4197 WWW.KIMLEY-HORN.COM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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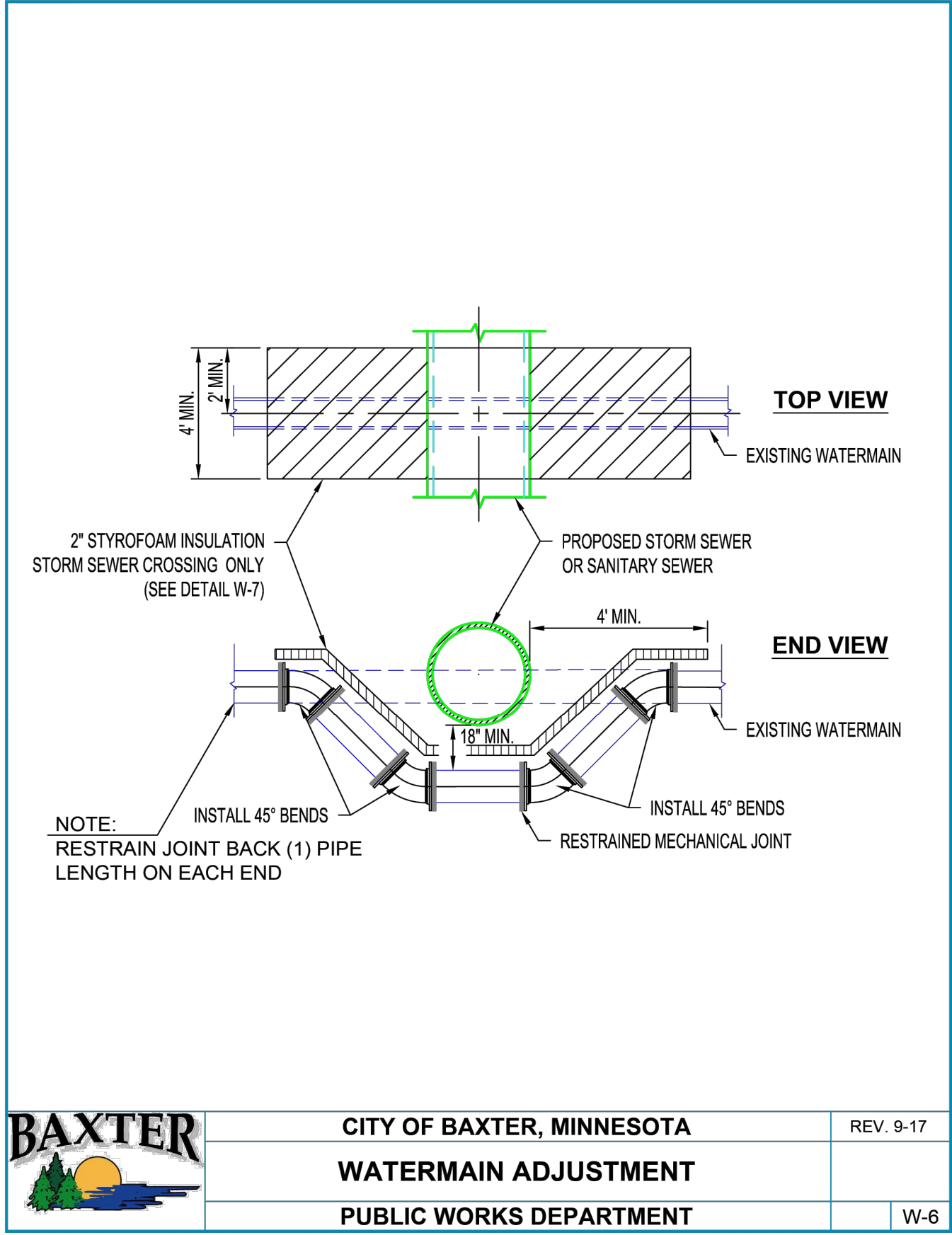
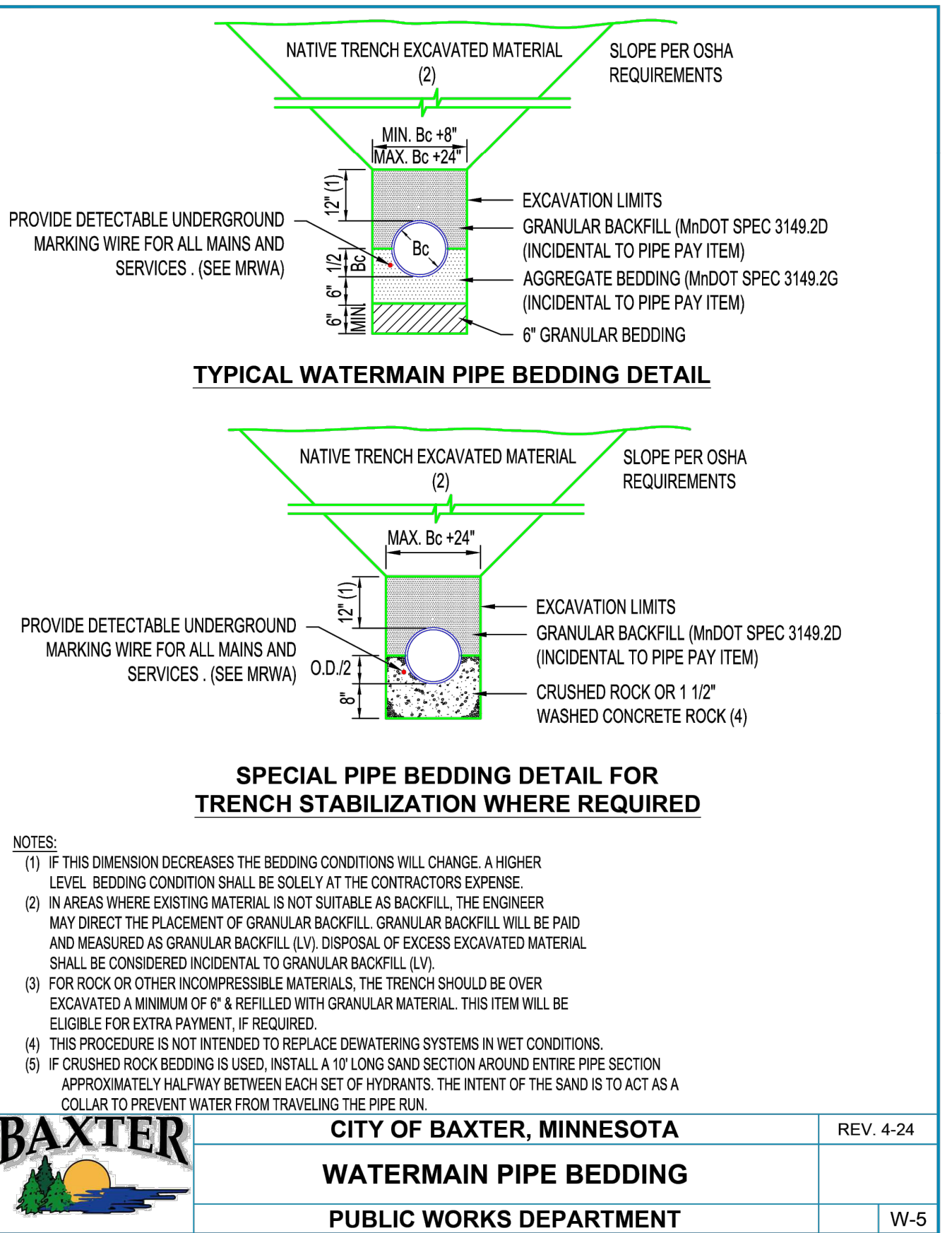
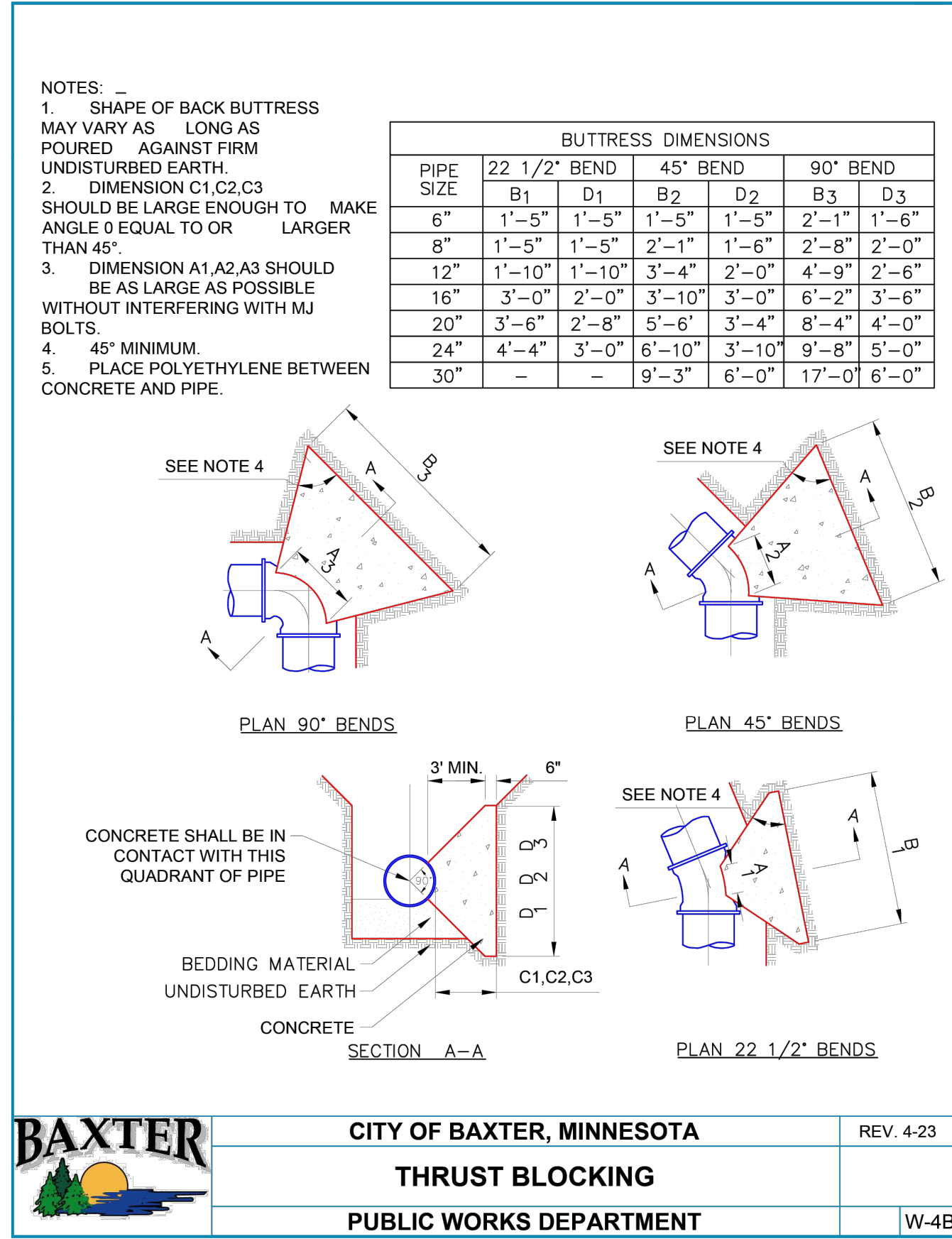
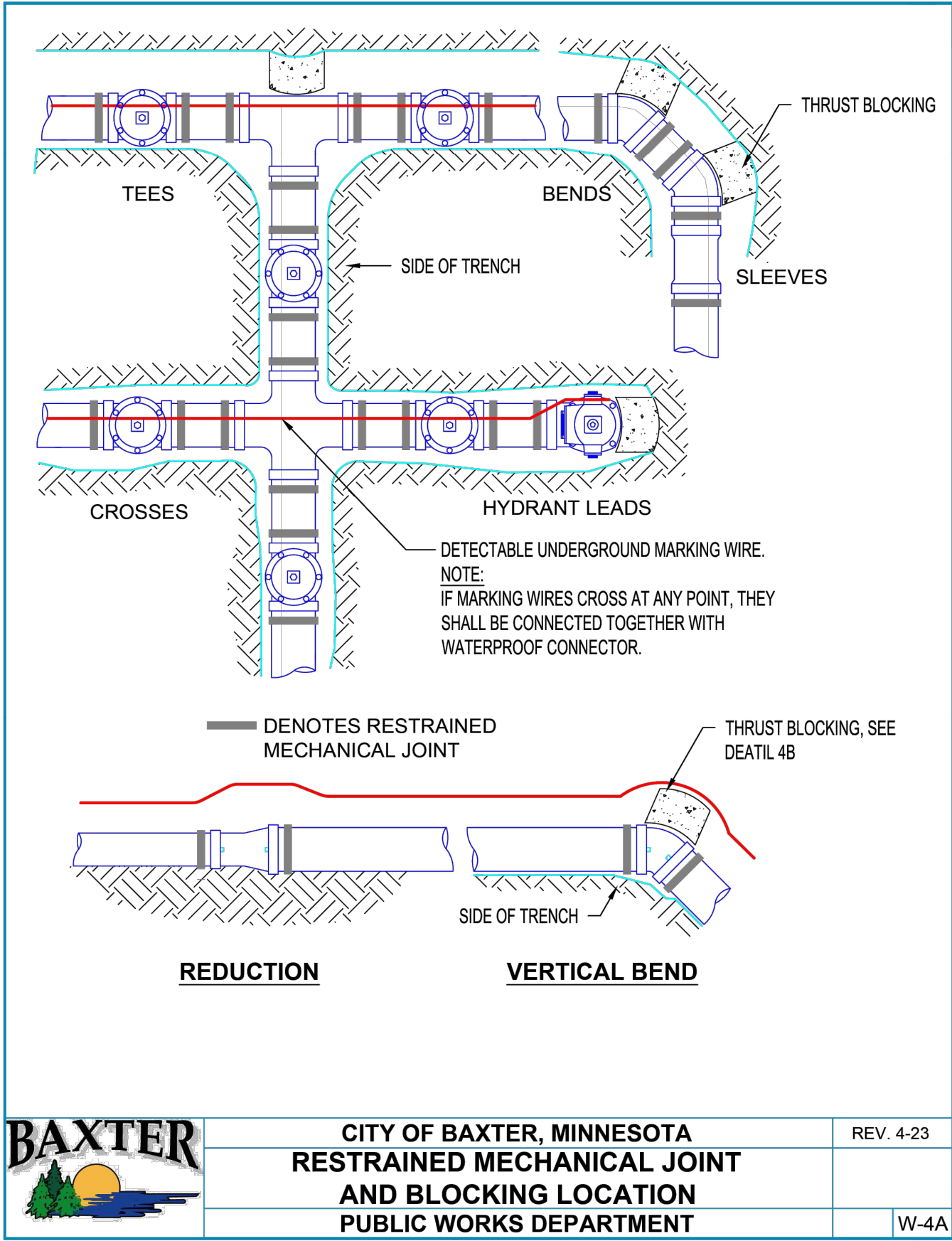
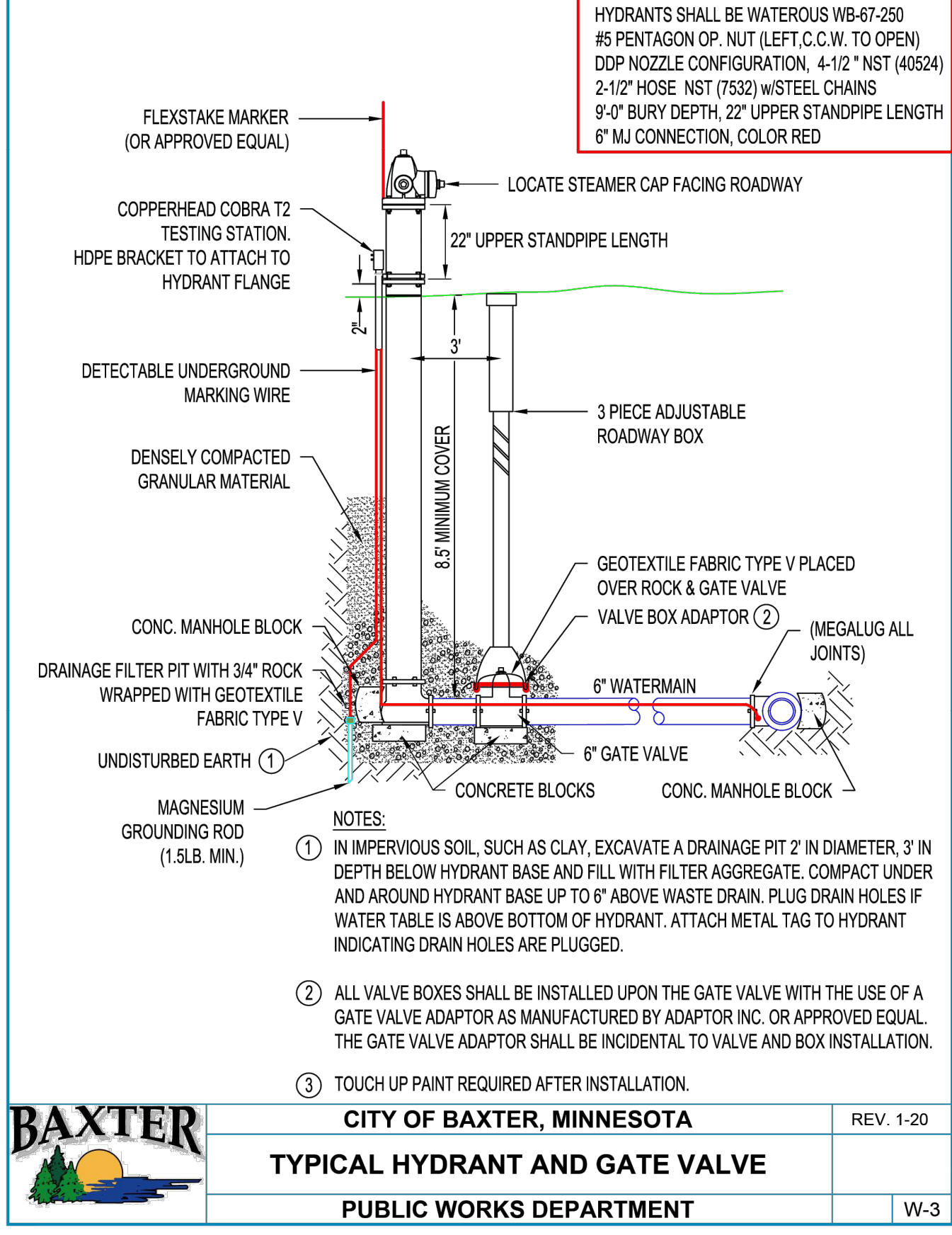
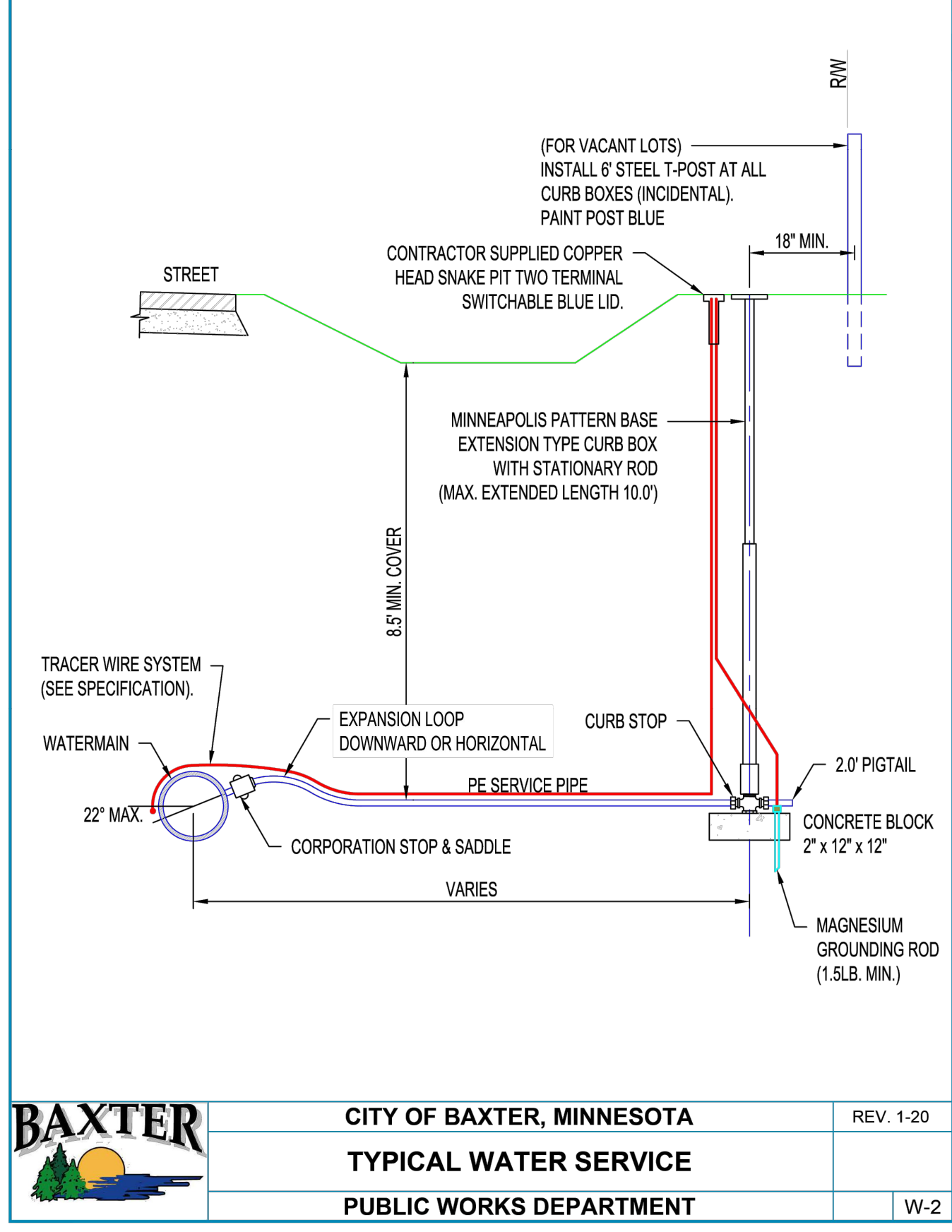
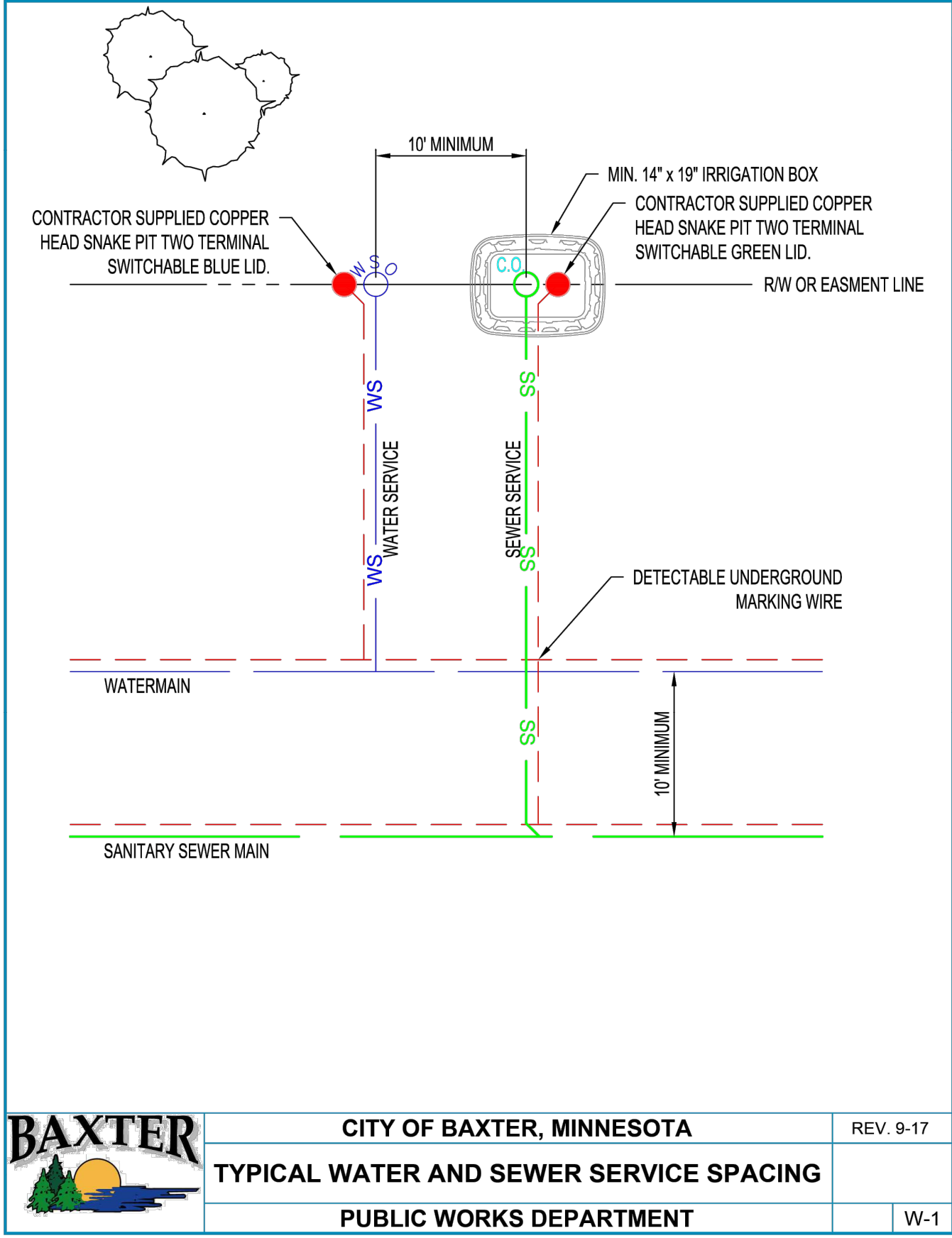
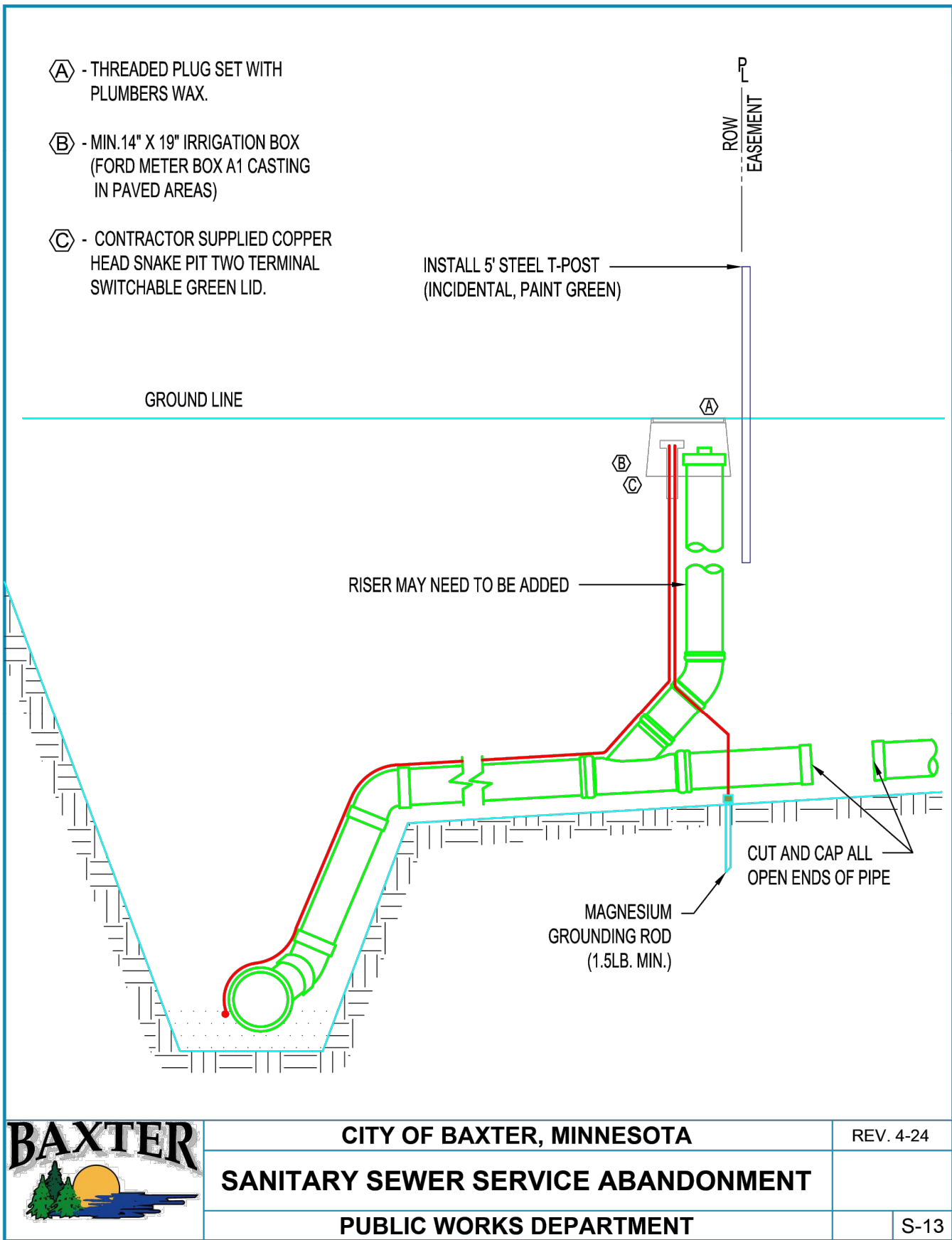


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PREPARED FOR RYAN COMPANIES US, INC.						
SHEET NUMBER C105						

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RYAN COMPANIES

US, INC.

BAXTER

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SHEET NUMBER

C106

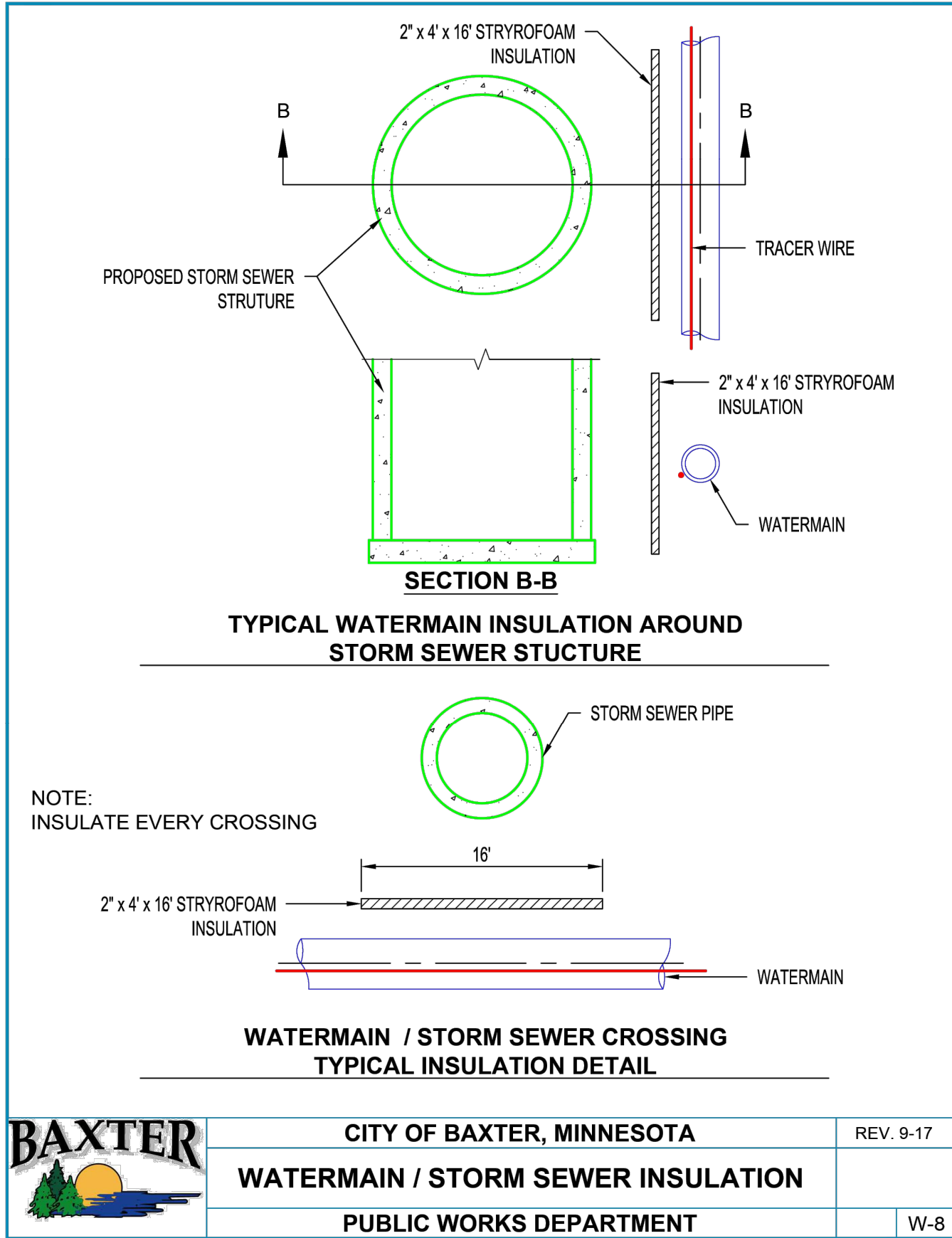
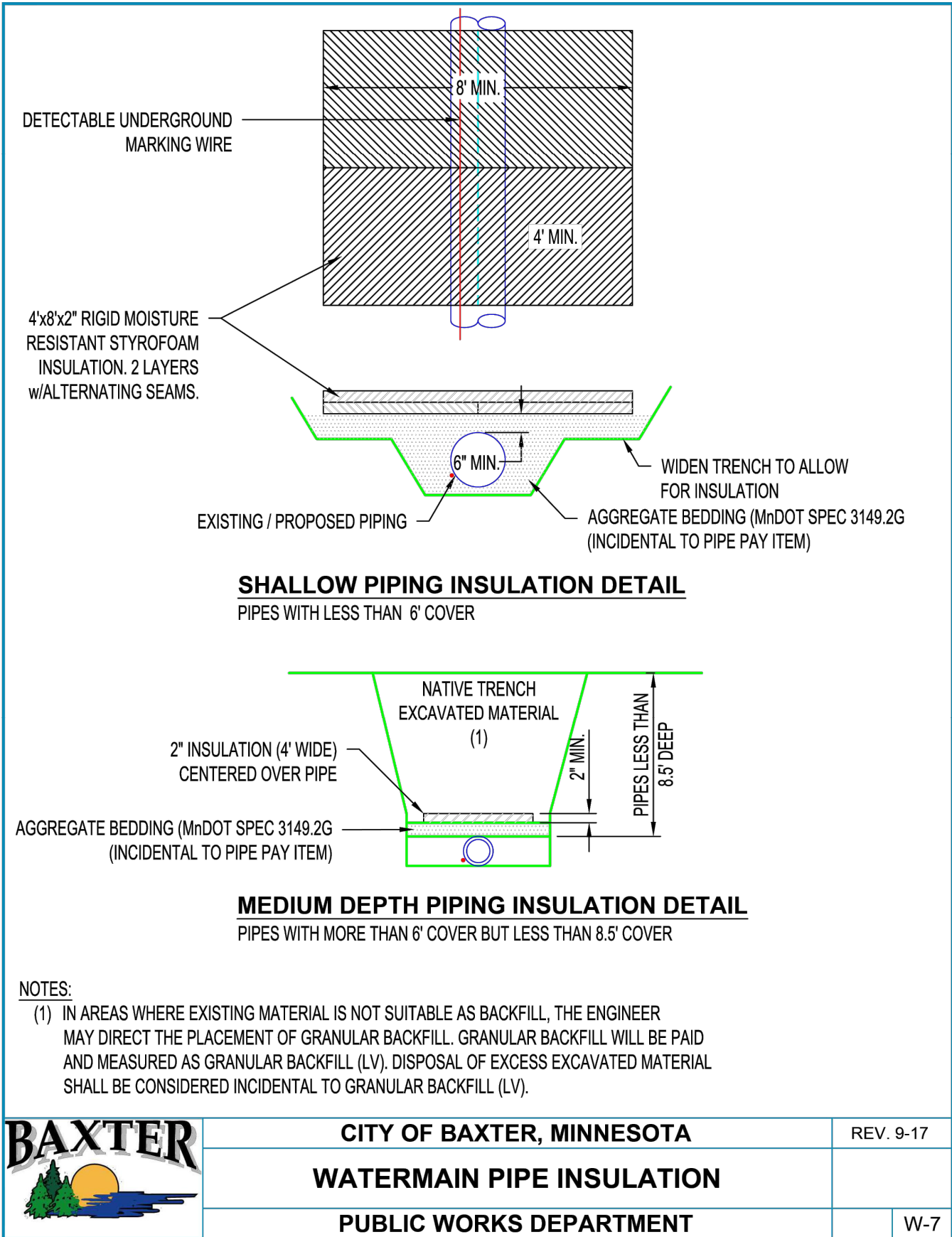
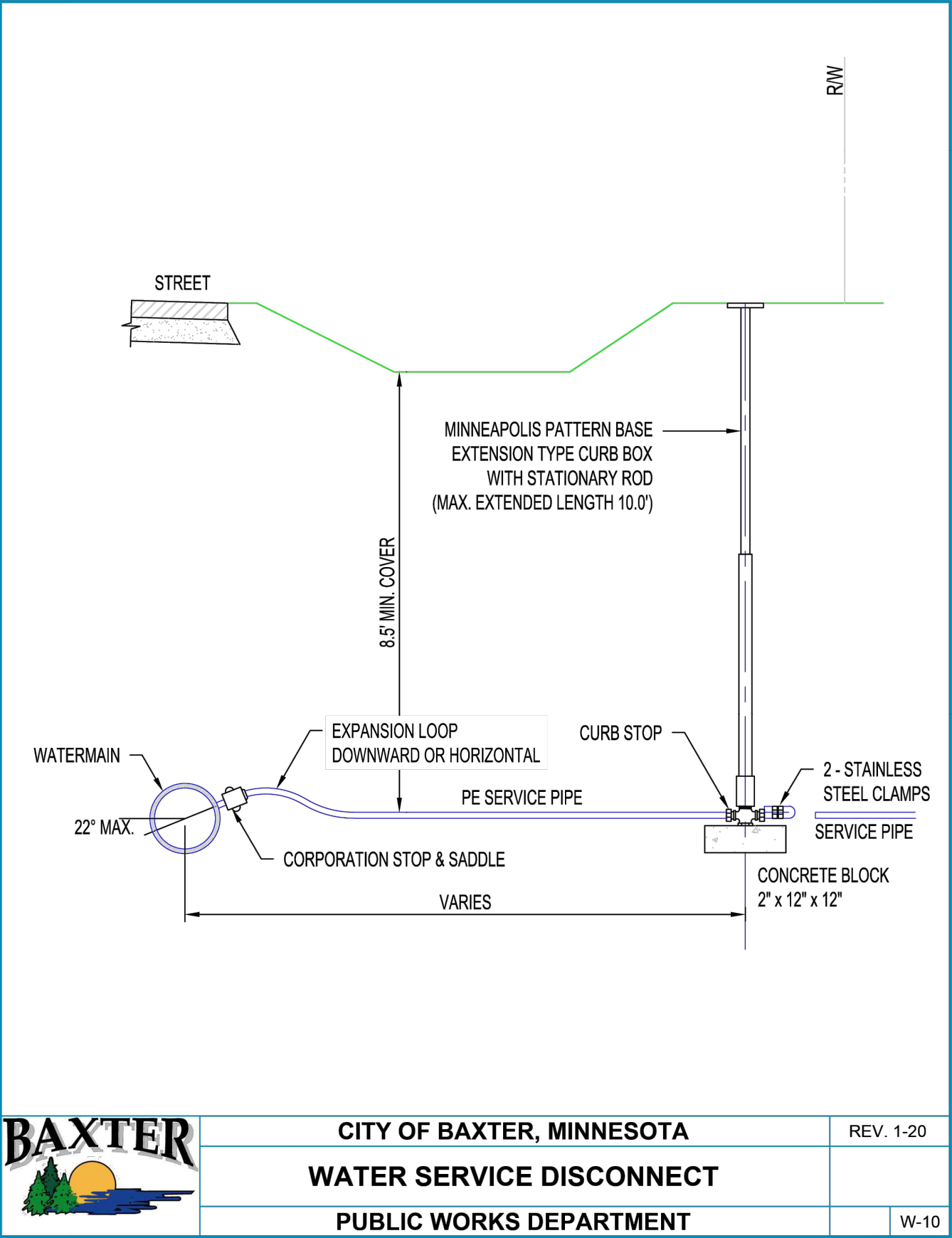
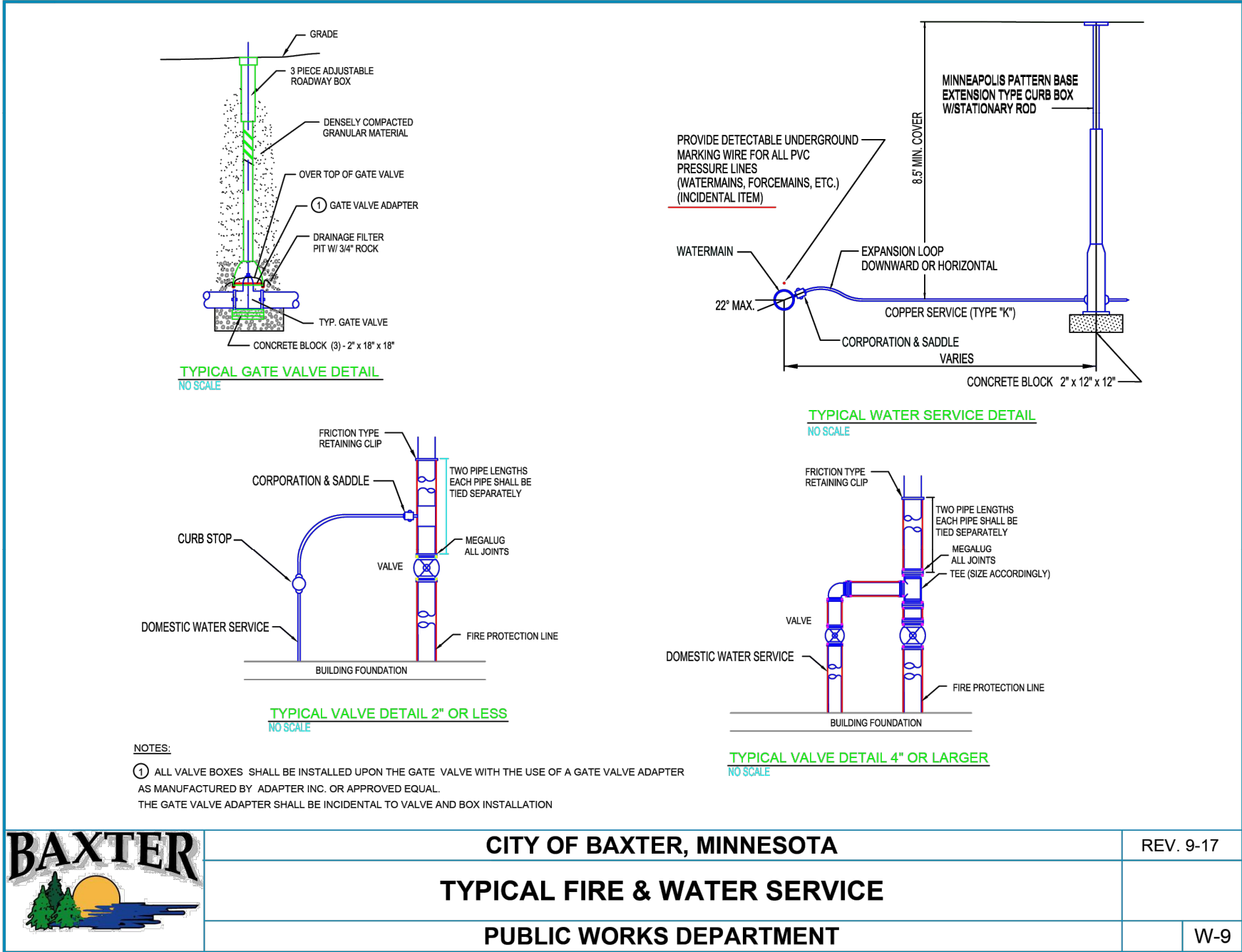
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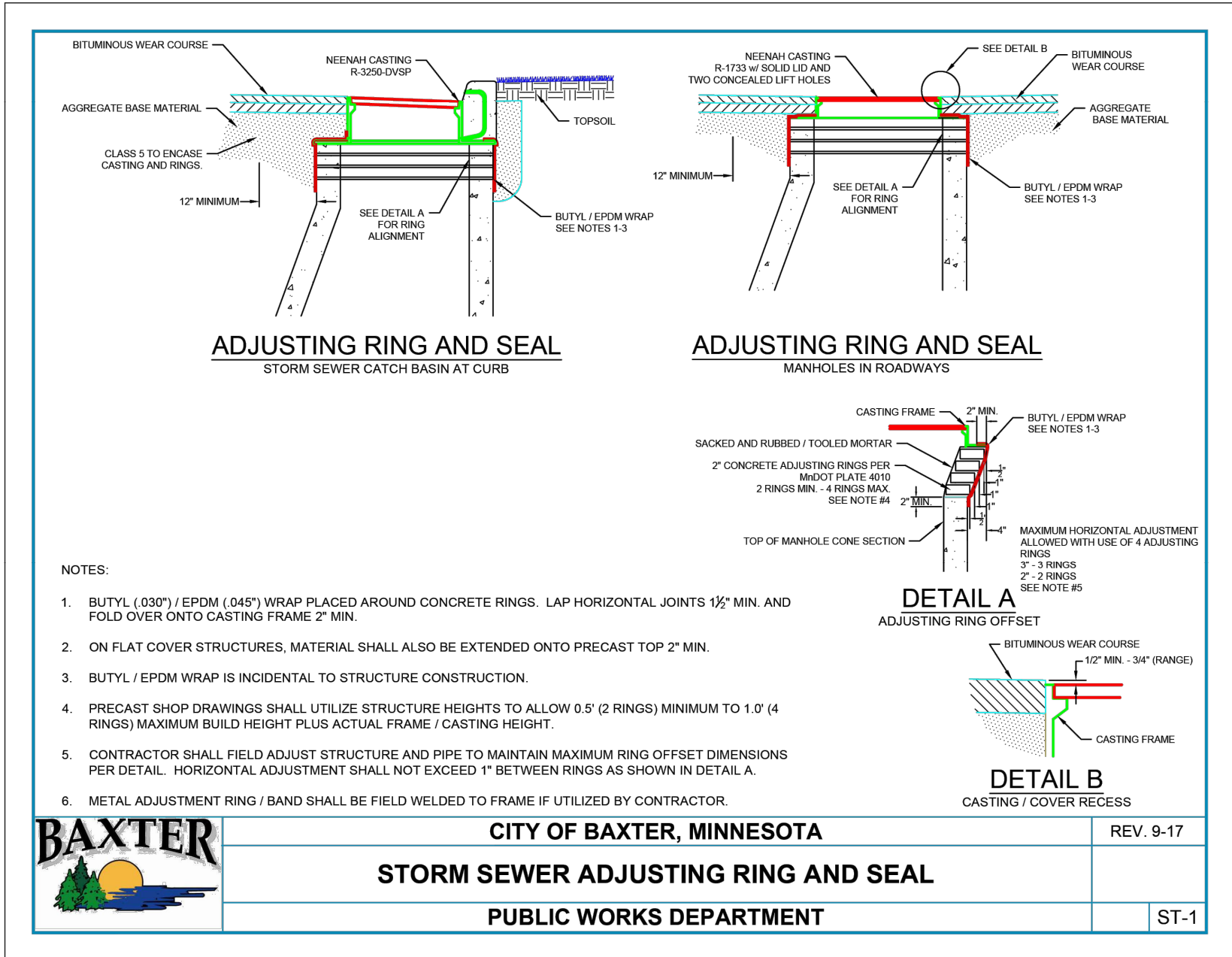
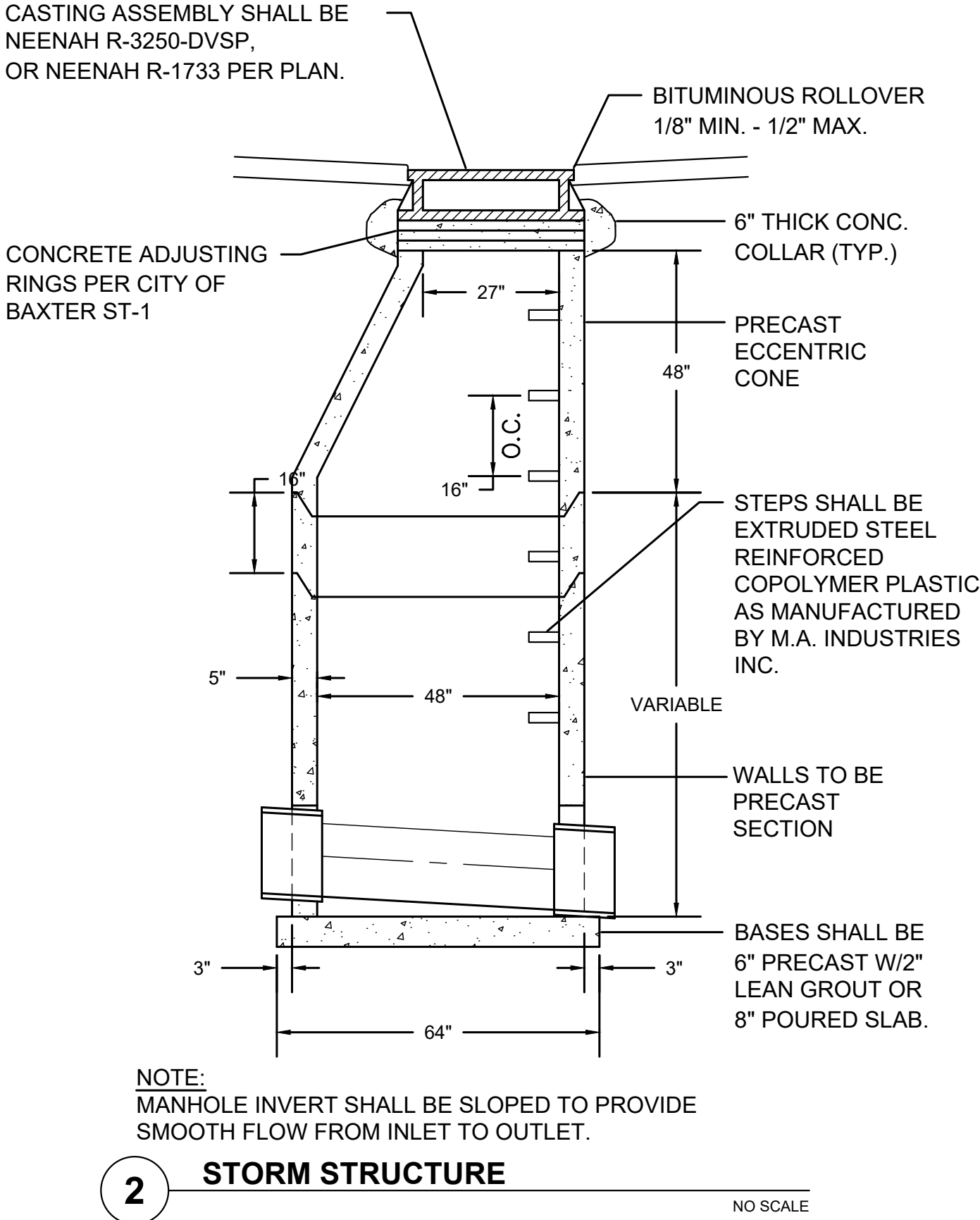
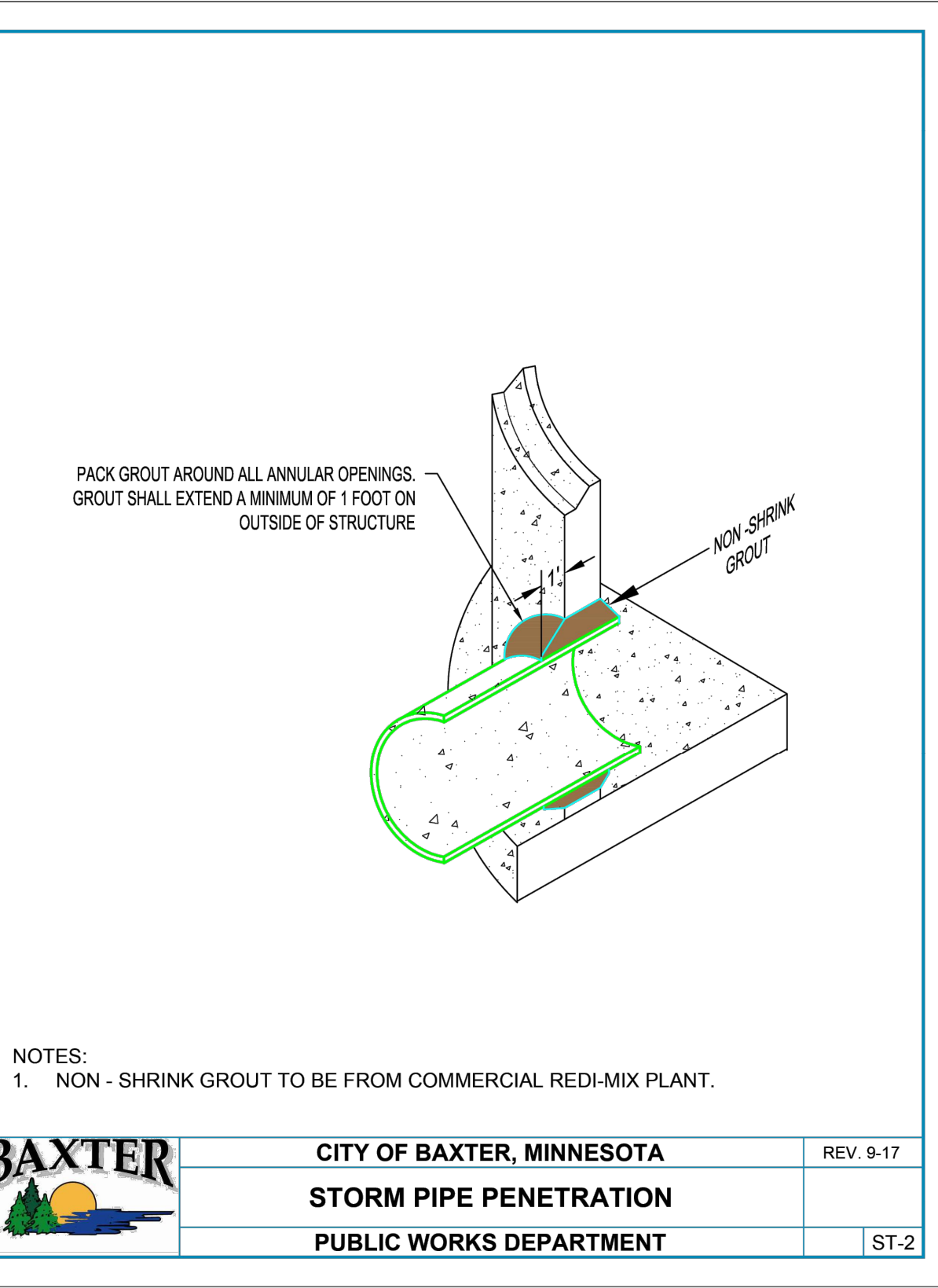
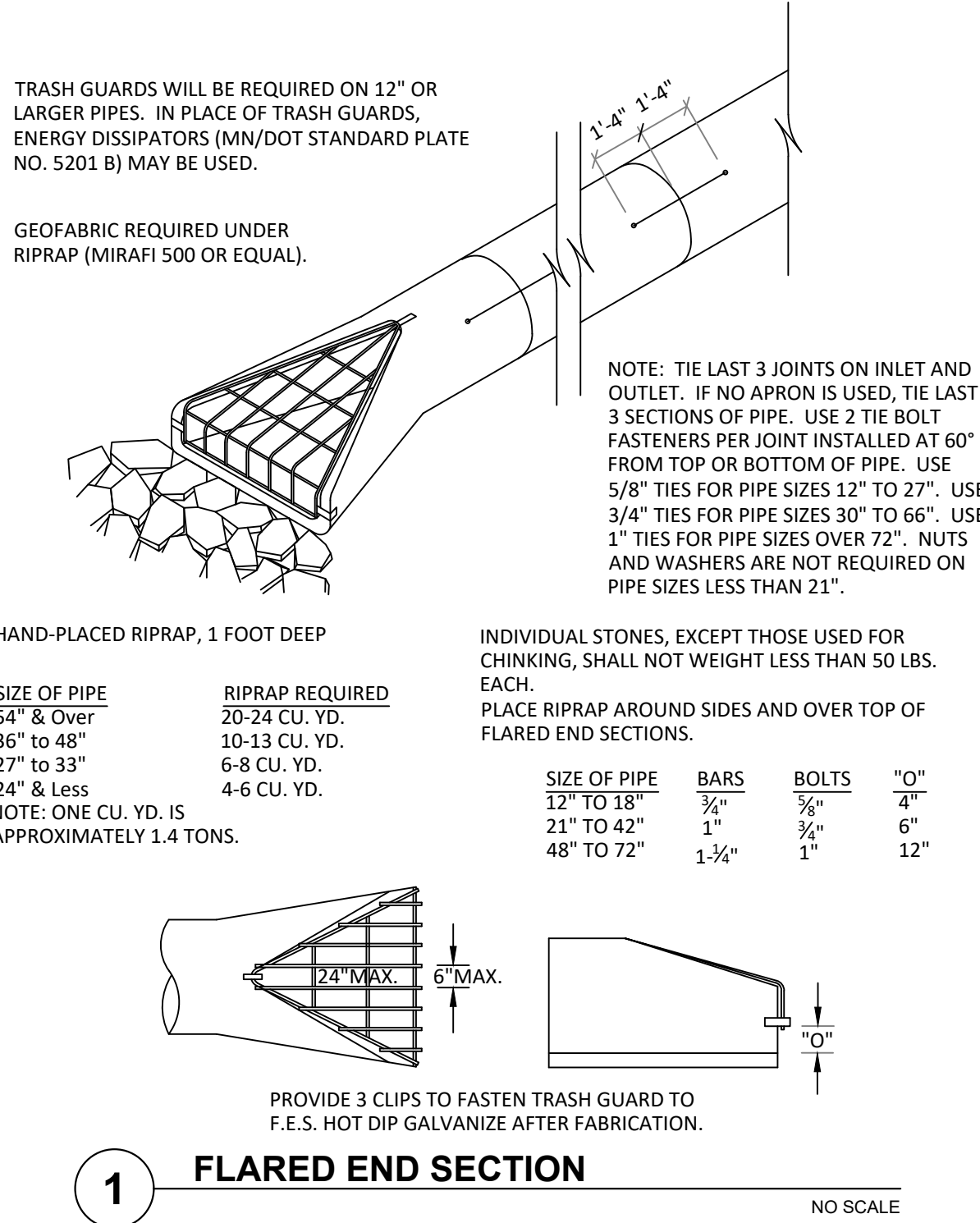
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PROJECT TIMBER WOLF	PREPARED FOR RYAN COMPANIES US, INC.	BAXTER	MN	CIVIL DETAILS	 2024 KIMLEY-HORN AND ASSOCIATES, INC. 767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE: 651-445-4197 WWW.KIMLEY-HORN.COM																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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ISSUED FOR PERMIT - NOT FOR CONSTRUCTION

PROJECT TIMBER WOLF

PREPARED FOR
RYAN COMPANIES
US, INC.

MN

CIVIL DETAILS

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.

Matthew J. Sorenson
MATTHEW J. SORENSON

DATE: 06/21/2024 MN LIC. NO. 59721

KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY
160640027	06/21/2024	AS SHOWN	JTL	JTL	MJS

Kimley»Horn

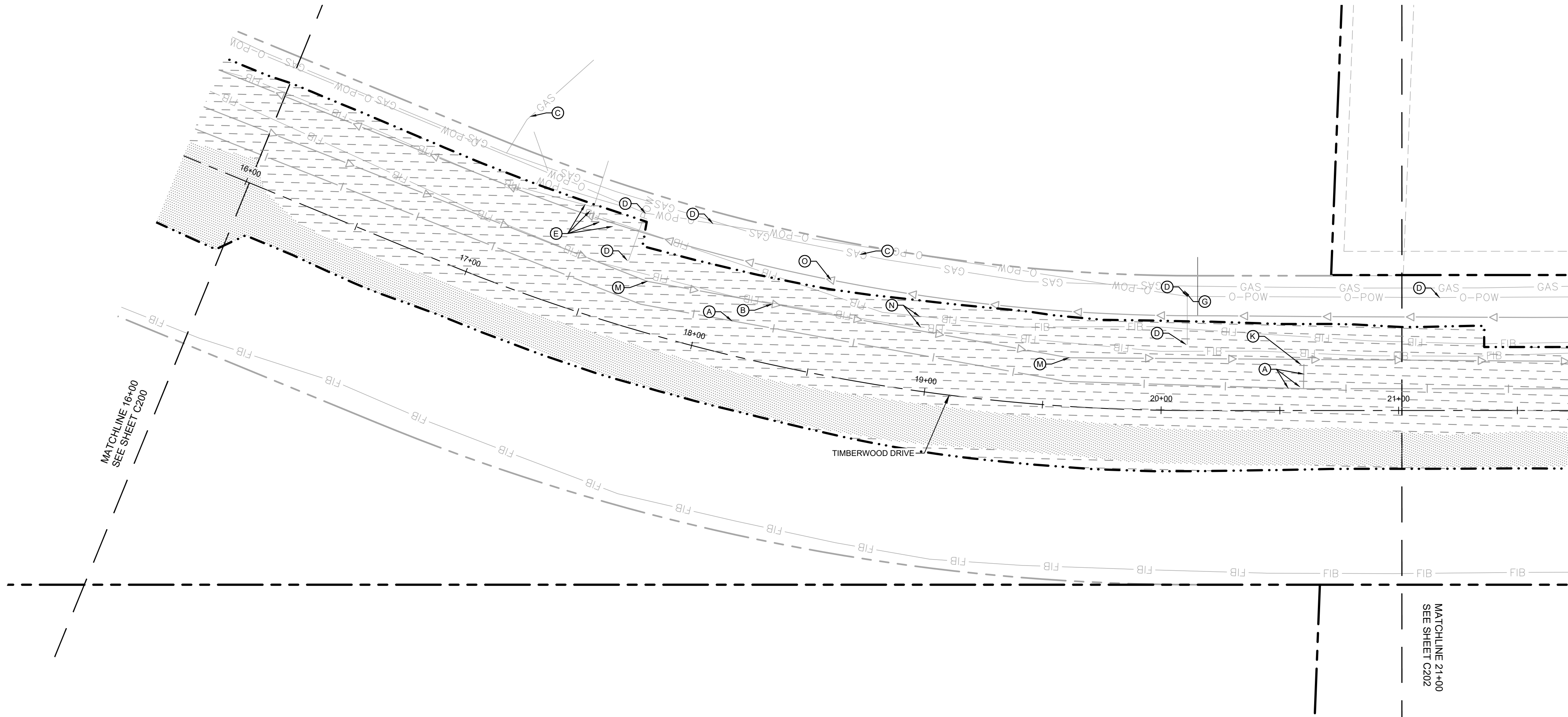
2024 KIMLEY-HORN AND ASSOCIATES, INC.
767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114
PHONE: 651-845-4197
WWW.KIMLEY-HORN.COM

No.	REVISIONS	DATE	BY

SHEET NUMBER
C108

BAXTER

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LEGEND

	RIGHT OF WAY
	REMOVE BITUMINOUS/GRAVEL SURFACE
	CLEARING & GRUBBING
	FULL DEPTH SAWCUT
	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

DEMOLITION PLAN NOTES

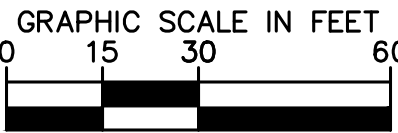
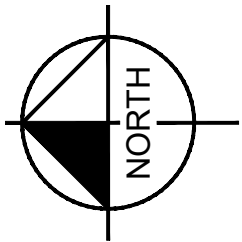
- THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL (IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC. SUCH THAT THE IMPROVEMENTS ON THE PLANS CAN BE CONSTRUCTED. FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE PROJECT DOCUMENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL DEBRIS FROM THE SITE AND DISPOSING OF THE DEBRIS IN A LAWFUL MANNER AND IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS. THE CONTRACTOR SHALL OBTAIN ANY REQUIRED PERMITS FOR DEMOLITION AND 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- PRIOR TO THE START OF DEMOLITION, INSTALL EROSION CONTROL BMP'S IN ACCORDANCE WITH THE EROSION & SEDIMENT CONTROL PLANS / SWPPP.
- 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.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL NOTIFY THE ENGINEER IF ANY EXISTING DRAIN TILE IS ENCOUNTERED ON SITE; ACTIVE DRAIN TILE SHALL NOT BE REMOVED WITHOUT APPROVAL FROM THE ENGINEER.
- IF CONTAMINATED MATERIAL IS ENCOUNTERED ON THE PROJECT SITE, THE CONTRACTOR SHALL STOP WORK AND NOTIFY THE OWNER AND ENGINEER IMMEDIATELY.
- ALL EXISTING MAILBOXES TO BE RELOCATED PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL WORK WITH U.S. POSTAL SERVICE FOR TEMPORARY SERVICE.

KEYNOTE LEGEND

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|-----|--|
| (A) | PROTECT EXISTING WATER LINE / HYDRANT / VALVE |
| (B) | 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 |
| (I) | REMOVE EXISTING SIGN |
| (J) | SALVAGE & RELOCATE EXISTING BARRICADE PER PLAN |
| (K) | SALVAGE & RELOCATE EXISTING HYDRANT |
| (L) | REMOVE & CAP SANITARY STUB |
| (M) | RAISE EXISTING MANHOLE TO PROPOSED GRADE |
| (N) | EXISTING FIBER TO BE RELOCATED BY UTILITY OWNER |
| (O) | PROTECT EXISTING SANITARY FORCE MAIN |



Know what's below.
Call before you dig.



AREA KEY MAP

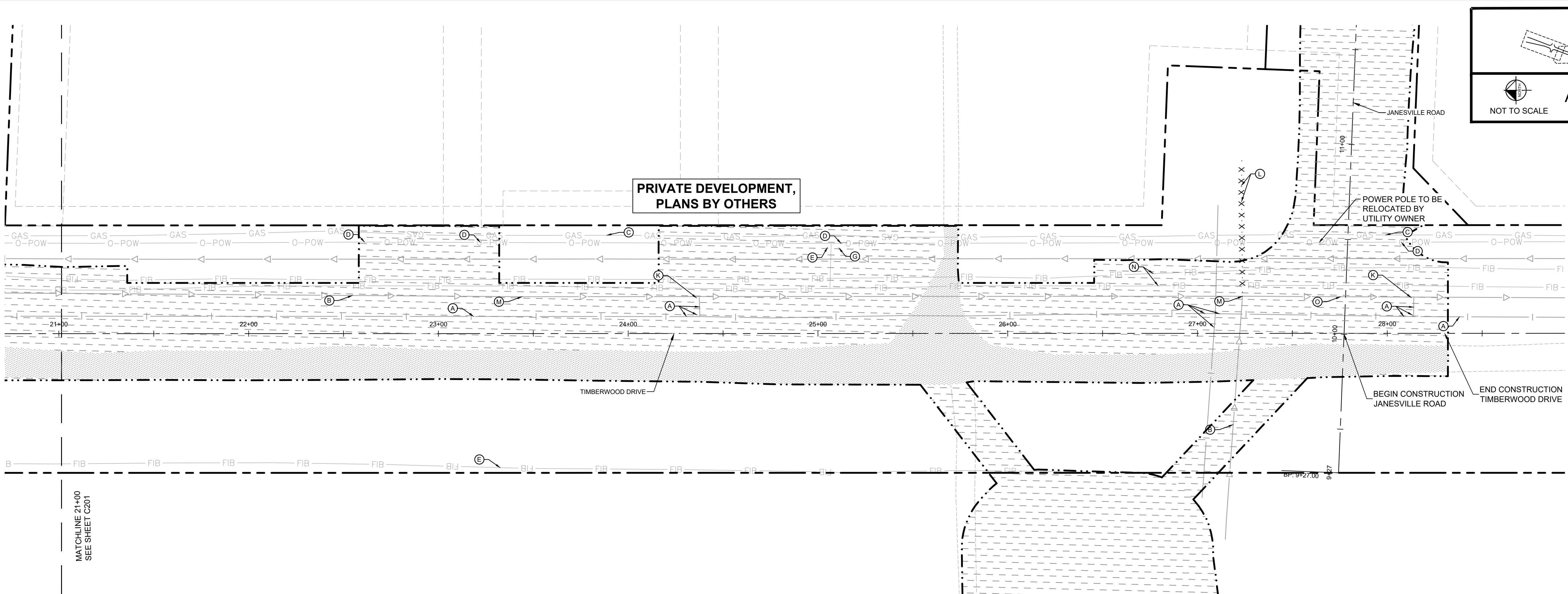
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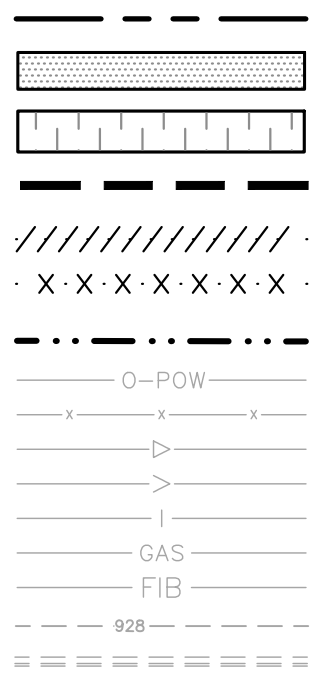
SHEET NUMBER		C201		PROJECT TIMBER WOLF		PREPARED FOR RYAN COMPANIES US, INC.		MIN	
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- EXISTING GAS MAIN
- EXISTING FIBER
- EXISTING CONTOUR
- EXISTING CURB & GUTTER
- EXISTING SIGN
- EXISTING FLARED END SECTION
- EXISTING STORM MANHOLE
- EXISTING STORM CATCHBASIN
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DEMOLITION PLAN NOTES

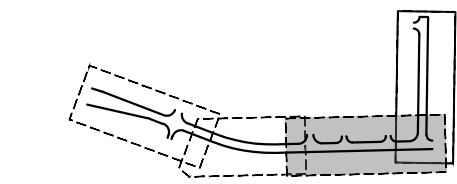
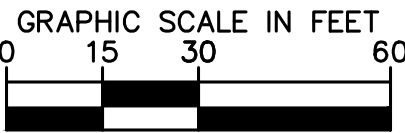
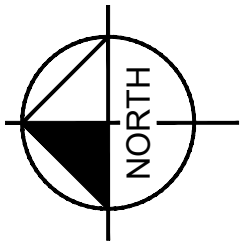
1. THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION, REMOVAL, AND DISPOSAL. (IN A LOCATION APPROVED BY ALL GOVERNING AUTHORITIES) OF ALL STRUCTURES, PADS, WALLS, FLUMES, FOUNDATIONS, PARKING, DRIVES, DRAINAGE STRUCTURES, UTILITIES, ETC. SUCH THAT THE IMPROVEMENTS ON THE PLANS CAN BE CONSTRUCTED. FACILITIES TO BE REMOVED SHALL BE UNDERCUT TO SUITABLE MATERIAL AND BROUGHT TO GRADE WITH SUITABLE COMPACTED FILL MATERIAL PER THE PROJECT DOCUMENTS.
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 LOCAL AND STATE REGULATIONS. THE CONTRACTOR SHALL OBTAIN ANY REQUIRED PERMITS FOR DEMOLITION AND DISPOSAL FROM THE APPROPRIATE LOCAL AND STATE AGENCIES. THE 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 PLAIN 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 FLOW 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 DRAINILE IS ENCOUNTERED ON SITE; ACTIVE DRAINILE 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.

KEYNOTE LEGEND

- | | |
|-----|--|
| (A) | PROTECT EXISTING WATER LINE / HYDRANT / VALVE |
| (B) | 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 |
| (I) | REMOVE EXISTING SIGN |
| (J) | SALVAGE & RELOCATE EXISTING BARRICADE PER PLAN |
| (K) | SALVAGE & RELOCATE EXISTING HYDRANT |
| (L) | REMOVE & CAP SANITARY STUB |
| (M) | RAISE EXISTING MANHOLE TO PROPOSED GRADE |
| (N) | EXISTING FIBER TO BE RELOCATED BY UTILITY OWNER |
| (O) | PROTECT EXISTING SANITARY FORCE MAIN |



Know what's **below**.
Call before you dig.

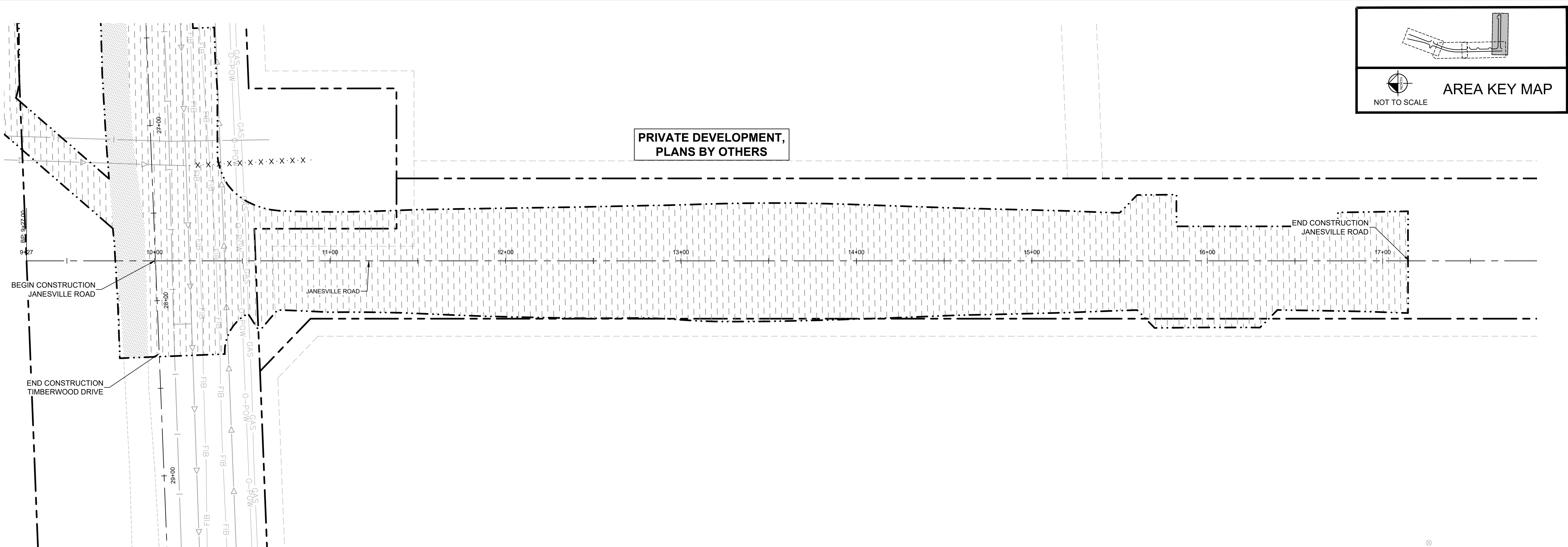


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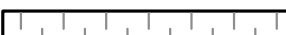
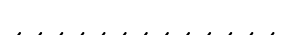
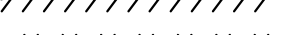
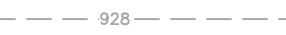
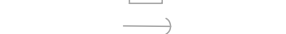
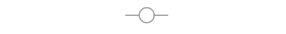
AREA KEY MAP

SHEET NUMBER		C202	
PROJECT TIMBER WOLF		MIN	
PREPARED FOR RYAN COMPANIES US, INC.		BAXTER	
SITE DEMOLITION PLAN			
KHA PROJECT 160640027		SCALE AS SHOWN	
DATE 06/21/2024		DESIGNED BY JTL	
		DRAWN BY JTL	
		CHECKED BY MJS	
DATE 06/21/2024		LIC. NO. 59721	
STATE MN			
SIGNATURE 		MATTHEW J. SORENSON	
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.			
© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE: 651-445-4197 WWW.KIMLEY-HORN.COM			
Kimley-Horn			
No.		REVISIONS	
DATE			
BY			

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LEGEND

- | | |
|---|----------------------------------|
|  | RIGHT OF WAY |
|  | REMOVE BITUMINOUS/GRAVEL SURFACE |
|  | CLEARING & GRUBBING |
|  | FULL DEPTH SAWCUT |
|  | 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 |

DEMOLITION PLAN NOTES

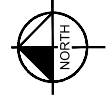
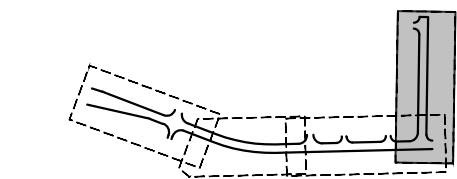
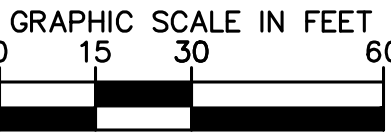
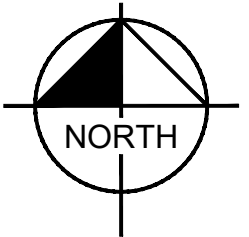
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KEYNOTE LEGEND

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Know what's **below**.
Call before you dig



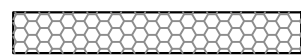
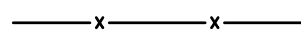
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AREA KEY MAP

SHEET NUMBER C203		PROJECT TIMBER WOLF		PREPARED FOR RYAN COMPANIES US, INC.				BAXTER		MN									
SITE DEMOLITION PLAN				KHA PROJECT 160640027 DATE 06/21/2024 SCALE AS SHOWN DESIGNED BY JTL DRAWN BY JTL CHECKED BY MJS		I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.  MATTHEW J. SORENSON DATE: 06/21/2024 LIC. NO. 59721				© 2024 KIMLEY HORN AND ASSOCIATES, INC. 767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE 651-4545-4197 WWW.KIMLEY-HORN.COM		No.		REVISIONS		DATE		BY	
										Kimley»»Horn									

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LEGEND

-  ROCK ENTRANCE
-  EROSION CONTROL BLANKET
-  INLET PROTECTION
-  SILT FENCE
-  LIMITS OF DISTURBANCE
-  SAFETY FENCE
-  BIOROLL

EROSION CONTROL PLAN NOTES

- THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THE EROSION CONTROL PLAN, THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN THE SPECIFICATIONS OF THE SWPPP, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
- ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH LAND DISTURBING ACTIVITIES SHALL OBTAIN A COPY OF THE SWPPP AND NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT, AND BECOME FAMILIAR WITH THEIR CONTENTS.
- BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE AND LOCAL REQUIREMENTS, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY, ENGINEER OR OWNER.
- SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO A PUBLIC ROADWAY FROM THE CONSTRUCTION SITE MUST BE REMOVED AS SOON AS POSSIBLE BUT NO LATER THAN 24 HOURS. WHEN WASHING IS REQUIRED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY, IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN. ANY FINES IMPOSED FOR DISCHARGING SEDIMENT ONTO A PUBLIC RIGHT OF WAY SHALL BE PAID BY THE CONTRACTOR.
- TEMPORARY SEEDING OR OTHER APPROVED METHODS OF STABILIZATION SHALL BE INITIATED WITHIN 14 DAYS OF THE LAST DISTURBANCE ON ANY AREA OF THE SITE.
- THE CONTRACTOR SHALL MINIMIZE LAND DISTURBANCE AND CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- CONTRACTOR SHALL DENOTE ON THE PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
- ALL WASH WATER FROM THE CONSTRUCTION SITE (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED BEFORE DISPOSAL.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- STAGING AREAS, STOCKPILES, SPOILS, ETC. SHALL BE LOCATED OUTSIDE OF DRAINAGE WAYS SUCH THAT STORM WATER RUNOFF WILL NOT BE ADVERSELY AFFECTED, PROVIDE STABILIZATION MEASURES SUCH AS PERIMETER EROSION CONTROL, BMP'S, SEEDING, OR OTHER COVERING AS NECESSARY TO PREVENT EROSION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RE-ESTABLISHING ANY EROSION CONTROL BMP DISTURBED DURING CONSTRUCTION OPERATIONS. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DEFICIENCIES IN THE ESTABLISHED EROSION CONTROL MEASURES THAT MAY LEAD TO UNAUTHORIZED DISCHARGE OF STORM WATER POLLUTANTS. UNAUTHORIZED POLLUTANTS INCLUDE (BUT ARE NOT LIMITED TO) EXCESS CONCRETE DUMPING, CONCRETE RESIDUE, PAINTS, SOLVENTS, GREASES, FUELS, LUBRICANT OILS, PESTICIDES, AND SOLID WASTE MATERIALS.
- EROSION CONTROL BMP'S SHOWN ON THESE PLANS SHALL BE INSTALLED PRIOR TO THE START OF LAND-DISTURBING ACTIVITIES ON THE PROJECT, AND INITIATED AS SOON AS PRACTICABLE.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION, AND SHALL MAINTAIN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS FOR THE DURATION OF CONSTRUCTION.
- THE CONTRACTOR SHALL FIELD ADJUST AND/OR PROVIDE ADDITIONAL EROSION CONTROL BMP'S AS NEEDED TO PREVENT EROSION AND OFF-SITE SEDIMENT DISCHARGE FROM THE CONSTRUCTION SITE. LOG AND RECORD ANY ADJUSTMENTS AND DEVIATIONS FROM THE APPROVED EROSION CONTROL PLANS WITHIN THE SWPPP DOCUMENTS STORED IN THE JOB SITE TRAILER.

SWPPP UPDATES & AMENDMENTS

THE CONTRACTOR MUST UPDATE THE SWPPP BY NOTING ON THE SITE MAPS IN THE JOB SITE BINDER TO REFLECT THE PROGRESS OF CONSTRUCTION ACTIVITIES AND GENERAL CHANGES TO THE PROJECT SITE FOR THE DURATION OF LAND DISTURBING ACTIVITIES. AT A MINIMUM, UPDATES SHALL BE MADE DAILY TO TRACK CONSTRUCTION PROGRESS DESCRIBED IN THE SEQUENCE OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR NOTING THE LOCATION OF THE JOB SITE TRAILER, TEMPORARY PARKING & LAYDOWN AREAS, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, FUEL & MATERIAL STORAGE, SOLID WASTE CONTAINERS, AND OTHER CONSTRUCTION RELATED FACILITIES THAT MAY IMPACT STORMWATER RUNOFF.

PHASE 1 SEQUENCE OF CONSTRUCTION

- INSTALL PERIMETER EROSION CONTROL (I.E. SILT FENCE) AND INLET PROTECTION AT EXISTING STORMWATER INLETS.
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT
- PREPARE TEMPORARY PARKING AND STORAGE AREA
- CONSTRUCT AND STABILIZE DIVERSIONS AND TEMPORARY SEDIMENT BASINS.
- CLEAR AND GRUB THE SITE.
- BEGIN MASS SITE GRADING AND ROUGH GRADE SITE SUFFICIENTLY TO ESTABLISH PROPOSED DRAINAGE PATTERNS.
- START CONSTRUCTION OF THE BUILDING PAD AND STRUCTURES.
- TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DISTURBED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE OR AS REQUIRED BY THE NPDES AND/OR CITY GRADING PERMIT(S).

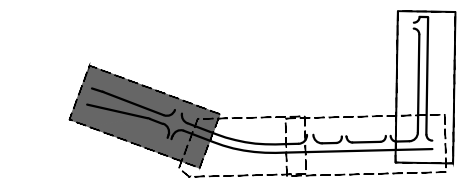
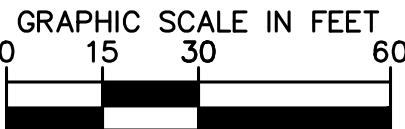
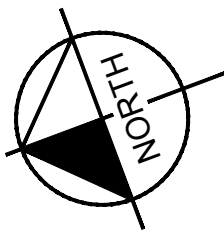
NOTE: THE SEQUENCE OF CONSTRUCTION IS INTENDED TO CONVEY THE GENERAL CONCEPTS OF THE EROSION CONTROL DESIGN AND SHOULD NOT BE RELIED UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY PRIOR TO AND/OR DURING CONSTRUCTION IF ANY ADDITIONAL INFORMATION ON THE CONSTRUCTION SEQUENCE IS NECESSARY.

PHASE I BMP QUANTITIES

SILT FENCE	±4,966 LF
INLET PROTECTION	1 EA
SEDIMENT CONTROL LOG	1 EA



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NOT TO SCALE

AREA KEY MAP

Kimley»Horn

2024 KIMLEY-HORN AND ASSOCIATES, INC.
767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114
PHONE: 651-445-4197
WWW.KIMLEY-HORN.COM

I, KIMLEY-HORN AND ASSOCIATES, INC., HAVE REVIEWED THIS PLAN AND 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.

Matthew J. Sorenson
MATTHEW J. SORENSON
MN LIC. NO. 59721

KHA PROJECT	DATE	SCALE	AS SHOWN	DESIGNED BY	DRAWN BY	CHECKED BY
160640027	06/21/2024	AS SHOWN	JTL	JTL	JTL	MJS

**EROSION AND
SEDIMENT
CONTROL PLAN -
PHASE 1**

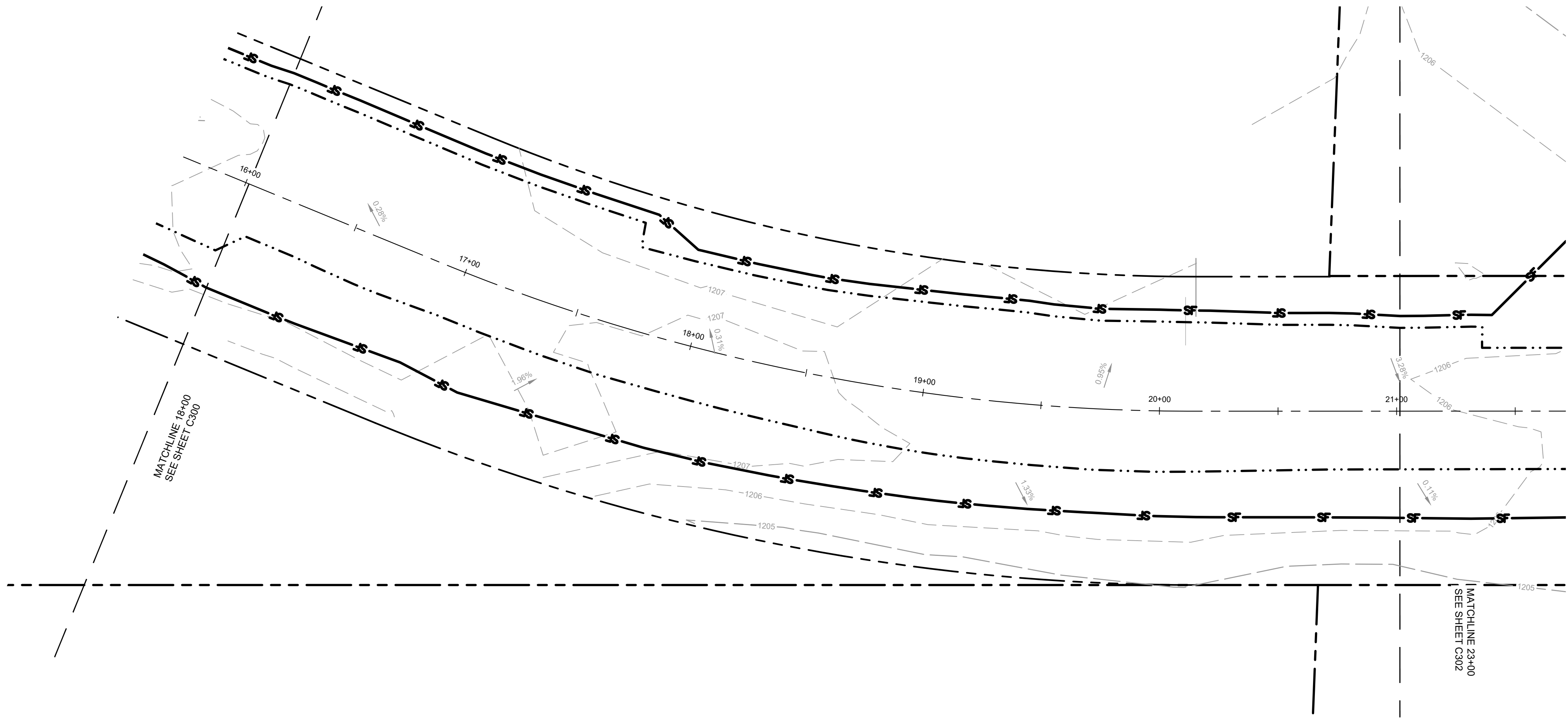
PROJECT TIMBER WOLF
PREPARED FOR
**RYAN COMPANIES
US, INC.**
BAXTER MN

SHEET NUMBER
C300

ISSUED FOR PERMIT - NOT FOR CONSTRUCTION

No.	REVISIONS	DATE	BY

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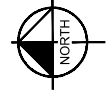
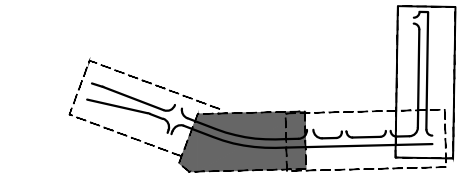
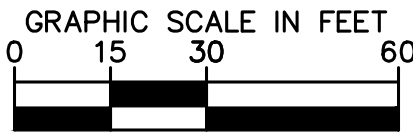
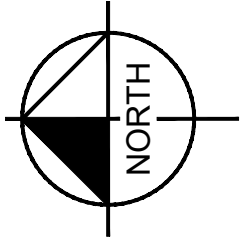


LEGEND

- | | |
|---|-------------------------|
|  | ROCK ENTRANCE |
|  | EROSION CONTROL BLANKET |
|  | INLET PROTECTION |
|  | SILT FENCE |
|  | LIMITS OF DISTURBANCE |
|  | SAFETY FENCE |
|  | BIOROLL |



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NOT TO SCALE

AREA KEY MAP

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PROJECT TIMBER WOLF

PREPARED FOR
**RYAN COMPANIES
US, INC.**

BAXTER

EROSION AND SEDIMENT CONTROL PLAN PHASE 1

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.


MATTHEW J. SORENSON
MN

KHA PROJECT
160640027DATE
06/21/2024

CALE	AS SHOWN
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DESIGNED BY	JTL
DRAWN BY	JTL

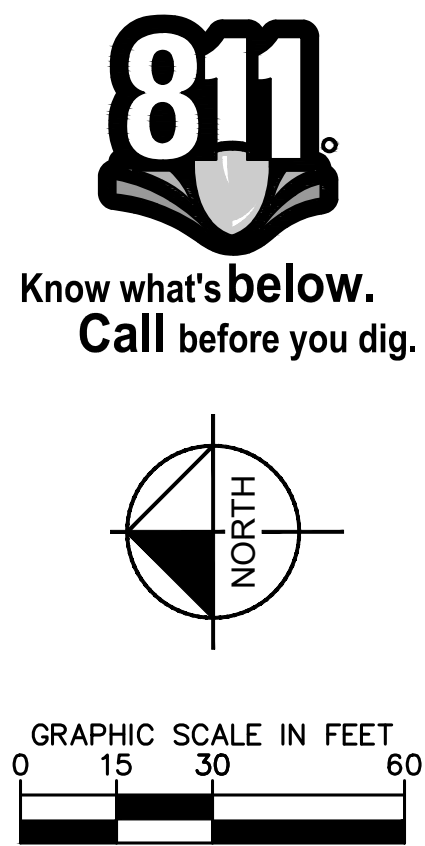
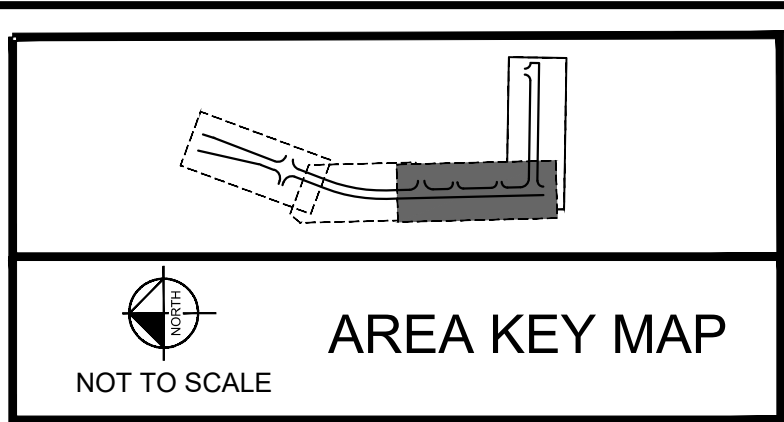
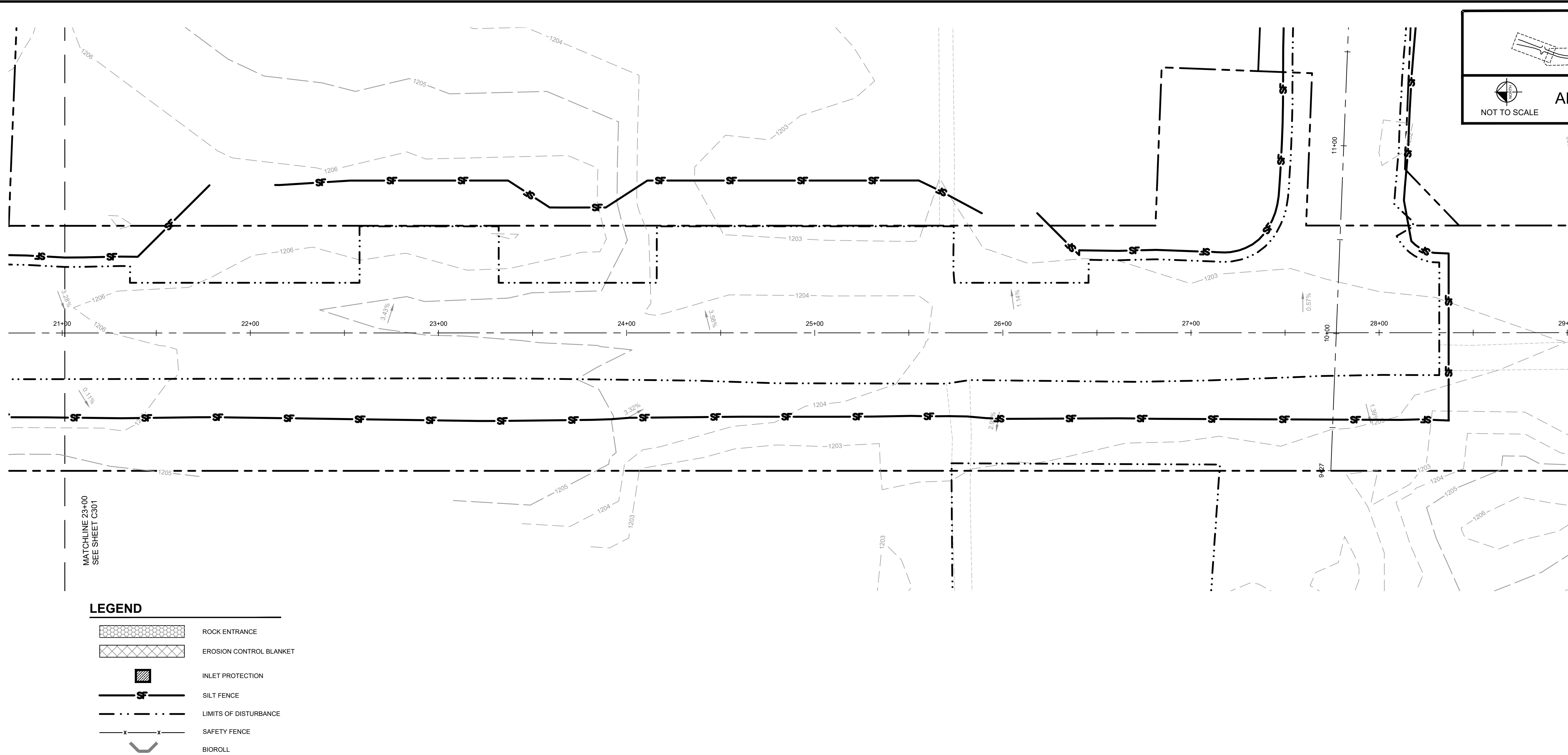
Kimley»»Horn

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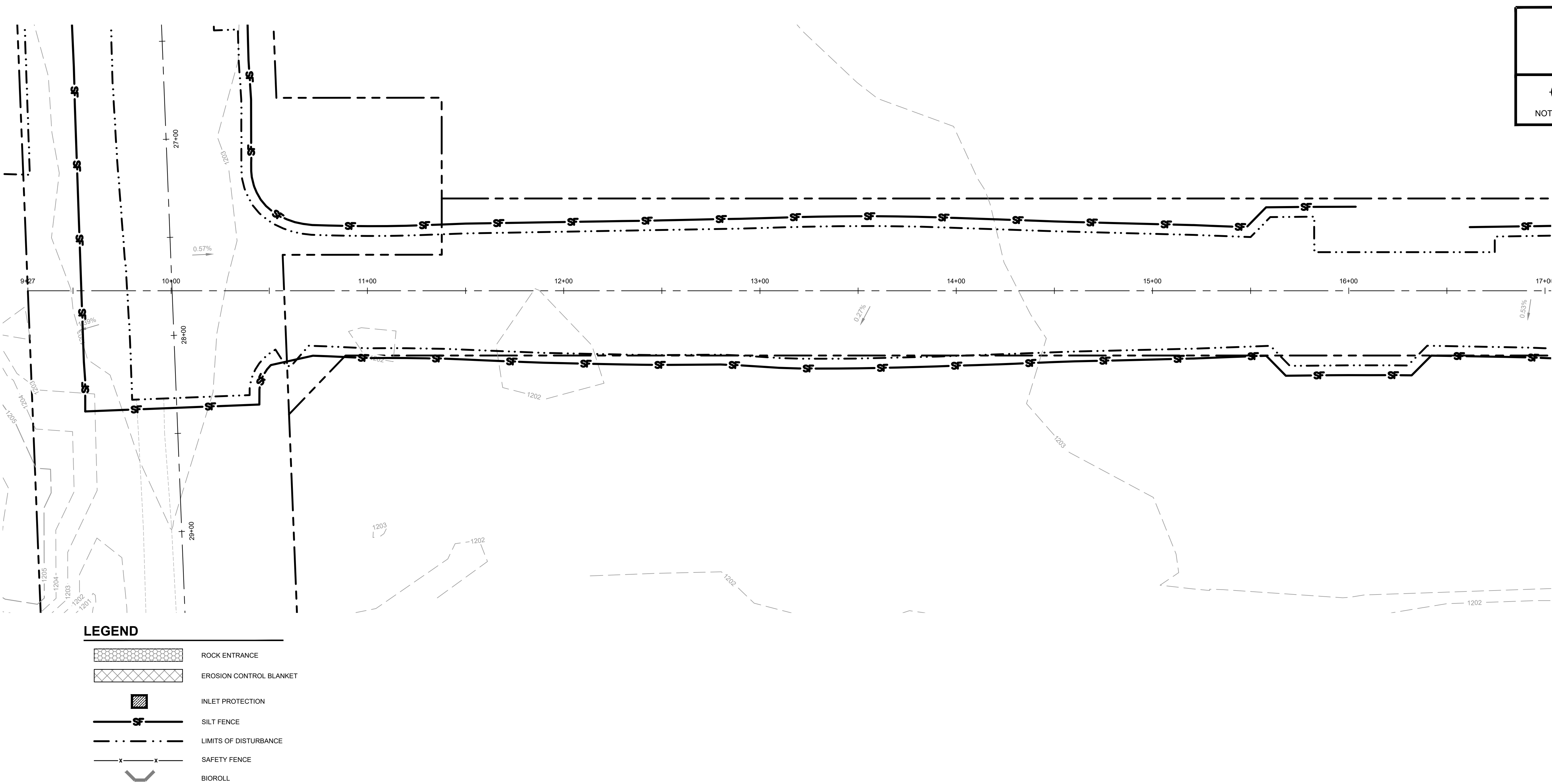
SHEET NUMBER C302	PROJECT TIMBER WOLF PREPARED FOR RYAN COMPANIES US, INC. BAXTER	EROSION AND SEDIMENT CONTROL PLAN - PHASE 1	MN
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KHA PROJECT 160840027 DATE 06/21/2024	I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.		
	SCALE	AS SHOWN	
	DESIGNED BY	JTL	
	DRAWN BY	JTL	
CHECKED BY	MJS	DATE:	06/21/2024
		MIN	LC NO.
			59721

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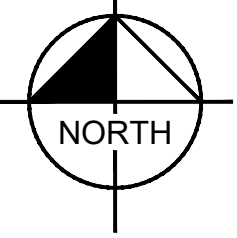
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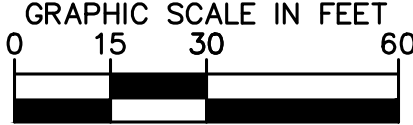




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NORTH

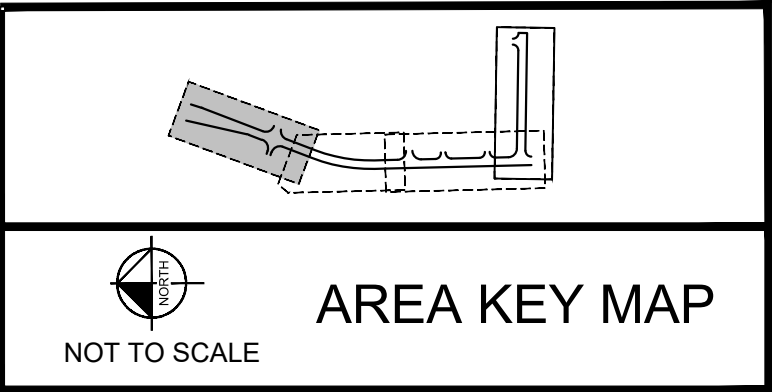
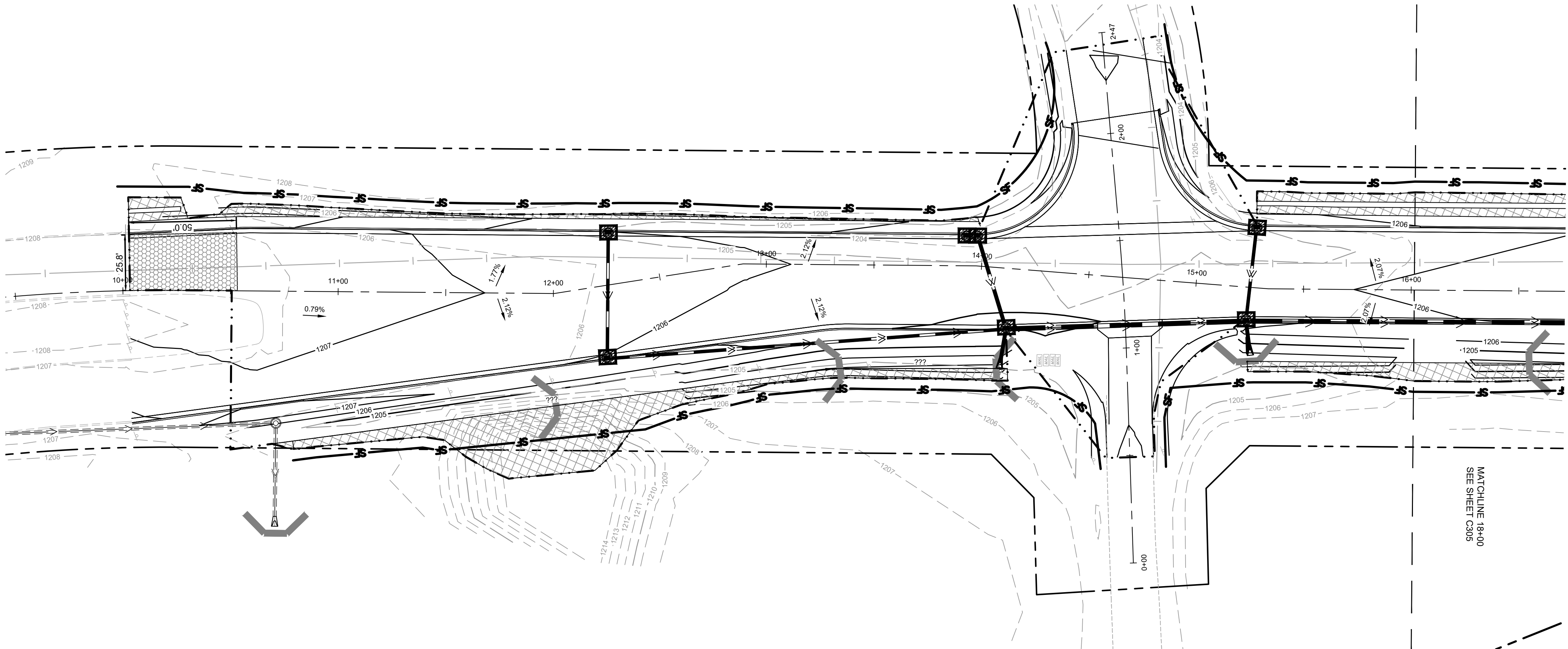


GRAPHIC SCALE IN FEET

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PROJECT TIMBER WOLF	PREPARED FOR RYAN COMPANIES US, INC.	BAXTER	MN	EROSION AND SEDIMENT CONTROL PLAN - PHASE 1		KHA PROJECT 160640027		KIMLEY-HORN	
				DATE 06/21/2024		2024 KIMLEY-HORN AND ASSOCIATES, INC. 787 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE 651-445-4197 WWW.KIMLEY-HORN.COM			
SHEET NUMBER C303		BAXTER		DESIGNED BY JTL		CHECKED BY MJS		DATE 06/21/2024	
BY		REVISIONS		No.		DATE		BY	

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LEGEND

- ROCK ENTRANCE
- EROSION CONTROL BLANKET
- INLET PROTECTION
- SILT FENCE
- LIMITS OF DISTURBANCE
- SAFETY FENCE
- SEDIMENT CONTROL LOG

EROSION CONTROL PLAN NOTES

- THE STORM WATER POLLUTION PREVENTION PLAN ("SWPPP") IS COMPRISED OF THE EROSION CONTROL PLAN, THE STANDARD DETAILS, THE PLAN NARRATIVE, ATTACHMENTS INCLUDED IN THE SPECIFICATIONS OF THE SWPPP, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
- ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH LAND DISTURBING ACTIVITIES SHALL OBTAIN A COPY OF THE SWPPP AND NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT, AND BECOME FAMILIAR WITH THEIR CONTENTS.
- BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE AND LOCAL REQUIREMENTS, AS APPLICABLE. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY THE PERMITTING AGENCY, ENGINEER OR OWNER.
- SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO A PUBLIC ROADWAY FROM THE CONSTRUCTION SITE MUST BE REMOVED AS SOON AS POSSIBLE BUT NO LATER THAN 24 HOURS. WHEN WASHING IS REQUIRED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY, IT SHALL BE DONE IN AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN. ANY FINES IMPOSED FOR DISCHARGING SEDIMENT ONTO A PUBLIC RIGHT OF WAY SHALL BE PAID BY THE CONTRACTOR.
- TEMPORARY SEEDING OR OTHER APPROVED METHODS OF STABILIZATION SHALL BE INITIATED WITHIN 14 DAYS OF THE LAST DISTURBANCE ON ANY AREA OF THE SITE.
- THE CONTRACTOR SHALL MINIMIZE LAND DISTURBANCE AND CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- CONTRACTOR SHALL DENOTE ON THE PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
- ALL WASH WATER FROM THE CONSTRUCTION SITE (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED BEFORE DISPOSAL.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL ON SITE. THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS IS PROHIBITED.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS. MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORM WATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- STAGING AREAS, STOCKPILES, SPOILS, ETC. SHALL BE LOCATED OUTSIDE OF DRAINAGE WAYS SUCH THAT STORM WATER RUNOFF WILL NOT BE ADVERSELY AFFECTED. PROVIDE STABILIZATION MEASURES SUCH AS PERIMETER EROSION CONTROL BMP'S, SEEDING, OR OTHER COVERING AS NECESSARY TO PREVENT EROSION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RE-ESTABLISHING ANY EROSION CONTROL BMP DISTURBED DURING CONSTRUCTION OPERATIONS. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DEFICIENCIES IN THE ESTABLISHED EROSION CONTROL MEASURES THAT MAY LEAD TO UNAUTHORIZED DISCHARGE OF STORM WATER POLLUTANTS. UNAUTHORIZED POLLUTANTS INCLUDE (BUT ARE NOT LIMITED TO) EXCESS CONCRETE DUMPING, CONCRETE RESIDUE, PAINTS, SOLVENTS, GREASES, FUELS, LUBRICANT OILS, PESTICIDES, AND SOLID WASTE MATERIALS.
- EROSION CONTROL BMP'S SHOWN ON THESE PLANS SHALL BE INSTALLED PRIOR TO THE START OF LAND-DISTURBING ACTIVITIES ON THE PROJECT, AND INITIATED AS SOON AS PRACTICABLE.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AUTHORITIES HAVING JURISDICTION, AND SHALL MAINTAIN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS FOR THE DURATION OF CONSTRUCTION.
- THE CONTRACTOR SHALL FIELD ADJUST AND/OR PROVIDE ADDITIONAL EROSION CONTROL BMP'S AS NEEDED TO PREVENT EROSION AND OFF-SITE SEDIMENT DISCHARGE FROM THE CONSTRUCTION SITE. LOG AND RECORD ANY ADJUSTMENTS AND DEVIATIONS FROM THE APPROVED EROSION CONTROL PLANS WITHIN THE SWPPP DOCUMENTS STORED IN THE JOB SITE TRAILER.
- ALL DISTURBED AREAS TO BE SEEDED WITH 25-131 LOW MAINTENANCE TURFGRASS / 2575.608 SEED NORTHERN BOULEVARD, UNLESS OTHERWISE NOTED. ALL TOPSOIL AREAS TO BE RAKED TO REMOVE DEBRIS AND ENSURE DRAINAGE. SEED AS SPECIFIED PER MNDOT SPECIFICATIONS, SEED MANUAL, AND SUPPLIER/MANUFACTURER RECOMMENDATIONS. APPLY SEED AND HYDRAULIC MIXES AT THE FOLLOWING RATES: A.FERTILIZER TYPE 3 (10-10-20): 30LBS/ACRE, B. SEED - 25-151: 400LBS/ACRE, C. HYDRAULIC ORGANIC MATRIX: 3,500LBS/ACRE, D. HYDRAULIC REINFORCED FIBER MATRIX: 3,900LBS/ACRE.

SWPPP UPDATES & AMENDMENTS

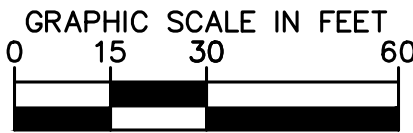
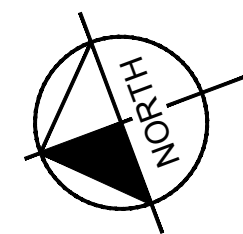
THE CONTRACTOR MUST UPDATE THE SWPPP BY NOTING ON THE SITE MAPS IN THE JOB SITE BINDER TO REFLECT THE PROGRESS OF CONSTRUCTION ACTIVITIES AND GENERAL CHANGES TO THE PROJECT SITE FOR THE DURATION OF LAND DISTURBING ACTIVITIES. AT A MINIMUM, UPDATES SHALL BE MADE DAILY TO TRACK CONSTRUCTION PROGRESS DESCRIBED IN THE SEQUENCE OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR NOTING THE LOCATION OF THE JOB SITE TRAILER, TEMPORARY PARKING & LAYDOWN AREAS, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, FUEL & MATERIAL STORAGE, SOLID WASTE CONTAINERS, AND OTHER CONSTRUCTION RELATED FACILITIES THAT MAY IMPACT STORMWATER RUNOFF.

PHASE 2 SEQUENCE OF CONSTRUCTION

- TEMPORARILY SEED, THROUGHOUT CONSTRUCTION, DENUDED AREAS THAT WILL BE INACTIVE FOR 14 DAYS OR MORE.
- CONSTRUCT UNDERGROUND SITE UTILITIES AND STORM SEWER, INCLUDING UNDERGROUND STORMWATER MANAGEMENT SYSTEM.
- INSTALL APPROPRIATE INLET PROTECTION AT ANY NEW STORM SEWER STRUCTURES AS EACH STRUCTURE IS CONSTRUCTED.
- COMPLETE SITE GRADING AND PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.
- PLACE PAVEMENT BASE MATERIAL AND INSTALL SUBDRAINAGE SYSTEM.
- CONSTRUCT PAVEMENTS, CURB & GUTTER, AND SIDEWALKS.
- AS APPROPRIATE, REPLACE & MAINTAIN INLET PROTECTION DEVICES WITHIN PAVED AREAS AS WORK PROGRESSES.
- COMPLETE FINAL GRADING AND INSTALL OF PERMANENT STABILIZATION (SEEDING, SODDING, ETC.) WITHIN LANDSCAPED AREAS.
- WHEN THE SITE HAS ACHIEVED FINAL STABILIZATION AS DEFINED BY THE APPLICABLE EROSION CONTROL PERMITS, REMOVE ALL REMAINING TEMPORARY EROSION & SEDIMENT CONTROL BMP'S AND RE-STABILIZE ANY AREAS DISTURBED BY THE REMOVAL.

NOTE: THE SEQUENCE OF CONSTRUCTION IS INTENDED TO CONVEY THE GENERAL CONCEPTS OF THE EROSION CONTROL DESIGN AND SHOULD NOT BE RELIED UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING IMMEDIATELY, PRIOR TO AND/OR DURING CONSTRUCTION IF ANY ADDITIONAL INFORMATION ON THE CONSTRUCTION SEQUENCE IS NECESSARY.

PHASE II BMP QUANTITIES	
SILT FENCE	±7,656 LF
INLET PROTECTION	31 EA
ROCK CONSTRUCTION ENTRANCE	1 EA
SEDIMENT CONTROL LOG	21 EA
EROSION CONTROL BLANKET	± 40,268 SF



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PROJECT TIMBER WOLF

PREPARED FOR
RYAN COMPANIES
US, INC.

BAXTER

EROSION AND
SEDIMENT
CONTROL PLAN -
PHASE 2

SHEET NUMBER
C304

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767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114
PHONE: 651-445-4197
WWW.KIMLEY-HORN.COM

DESIGNED BY: JTL
DRAWN BY: CJW
CHECKED BY: MJS
DATE: 06/21/2024
LIC. NO.: 59721

MATTHEW J. SORENSON
M.N. LIC. NO. 59721

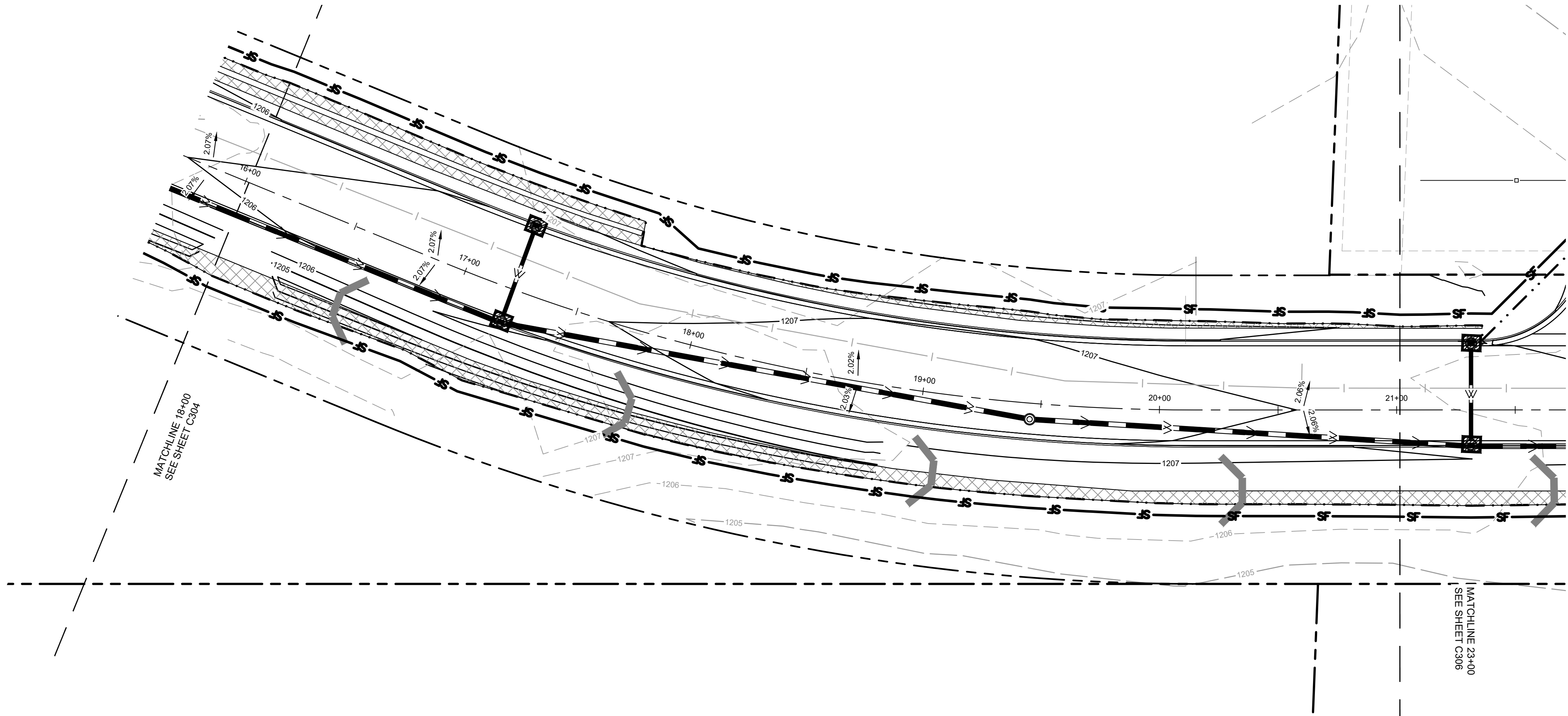
KHA PROJECT: 160640027
DATE: 06/21/2024
SCALE: AS SHOWN
DESIGNED BY: JTL
DRAWN BY: CJW
CHECKED BY: MJS

Kimley»Horn

2024 KIMLEY-HORN AND ASSOCIATES, INC.
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LEGEND

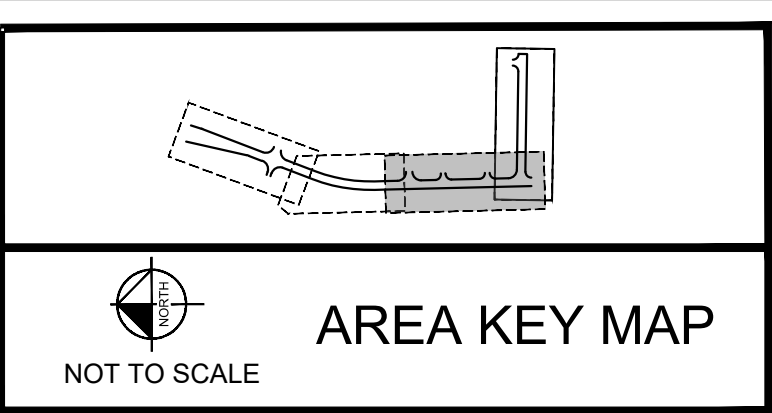
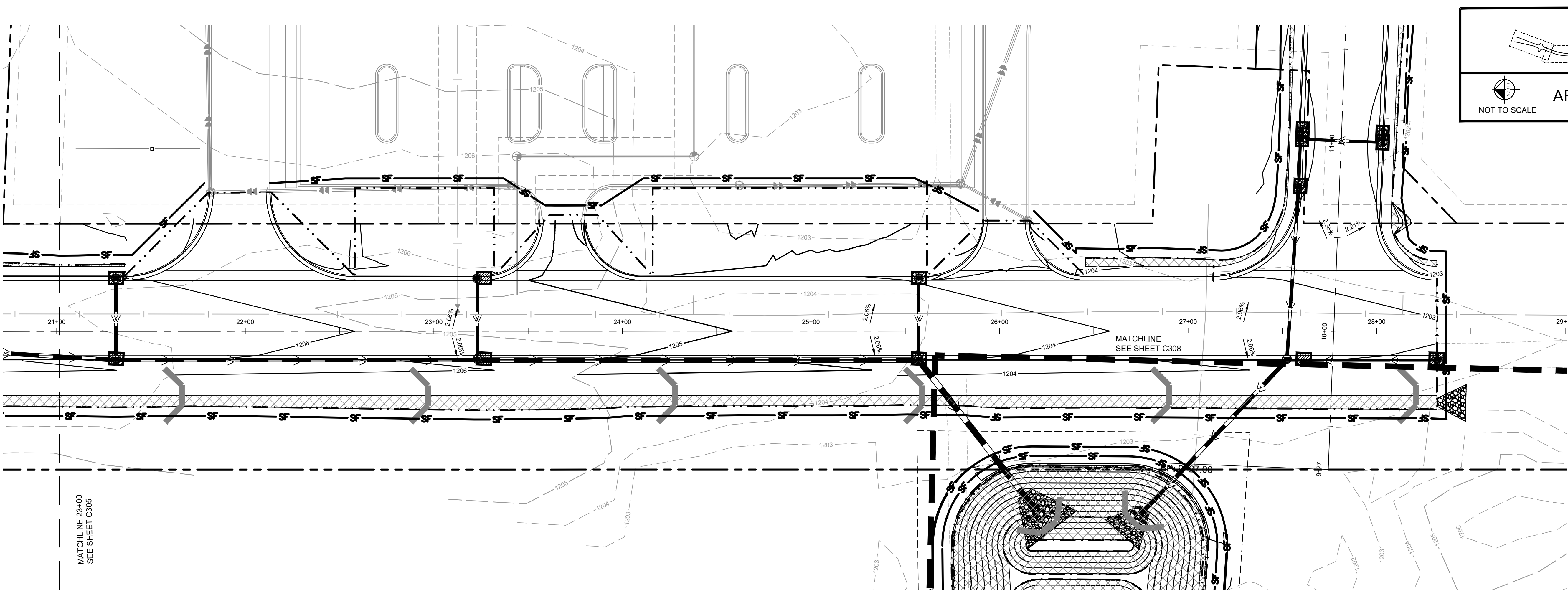
- ROCK ENTRANCE
- EROSION CONTROL BLANKET
- INLET PROTECTION
- SILT FENCE
- LIMITS OF DISTURBANCE
- SAFETY FENCE
- SEDIMENT CONTROL LOG

AREA KEY MAP

ISSUED FOR PERMIT - NOT FOR CONSTRUCTION

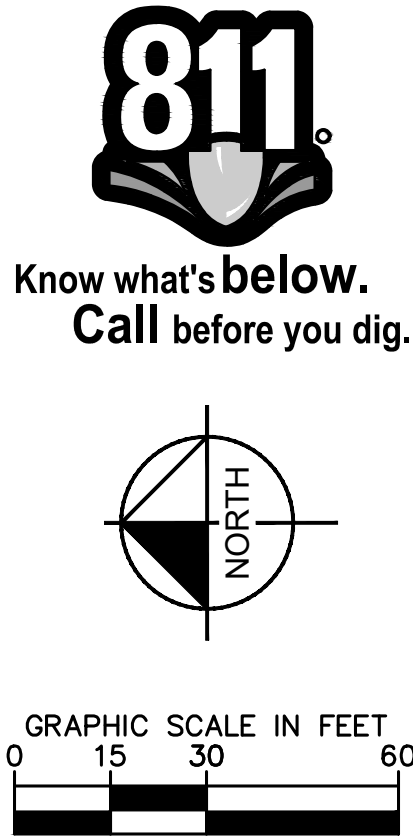
PROJECT TIMBER WOLF PREPARED FOR RYAN COMPANIES US, INC. BAXTER	EROSION AND SEDIMENT CONTROL PLAN - PHASE 2	KHA PROJECT 160640027 DATE 06/21/2024 SCALE AS SHOWN DESIGNED BY CJW DRAWN BY MJS CHECKED BY JTL	LICENSED PROFESSIONAL ENGINEER I HAVE REVIEWED THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. MATTHEW J. SORENSON MN LIC. NO. 59721 DATE: 06/21/2024	Kimley»Horn 2024 KIMLEY-HORN AND ASSOCIATES, INC. 767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE: 651-445-4197 WWW.KIMLEY-HORN.COM	No.	REVISIONS	DATE	BY

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LEGEND

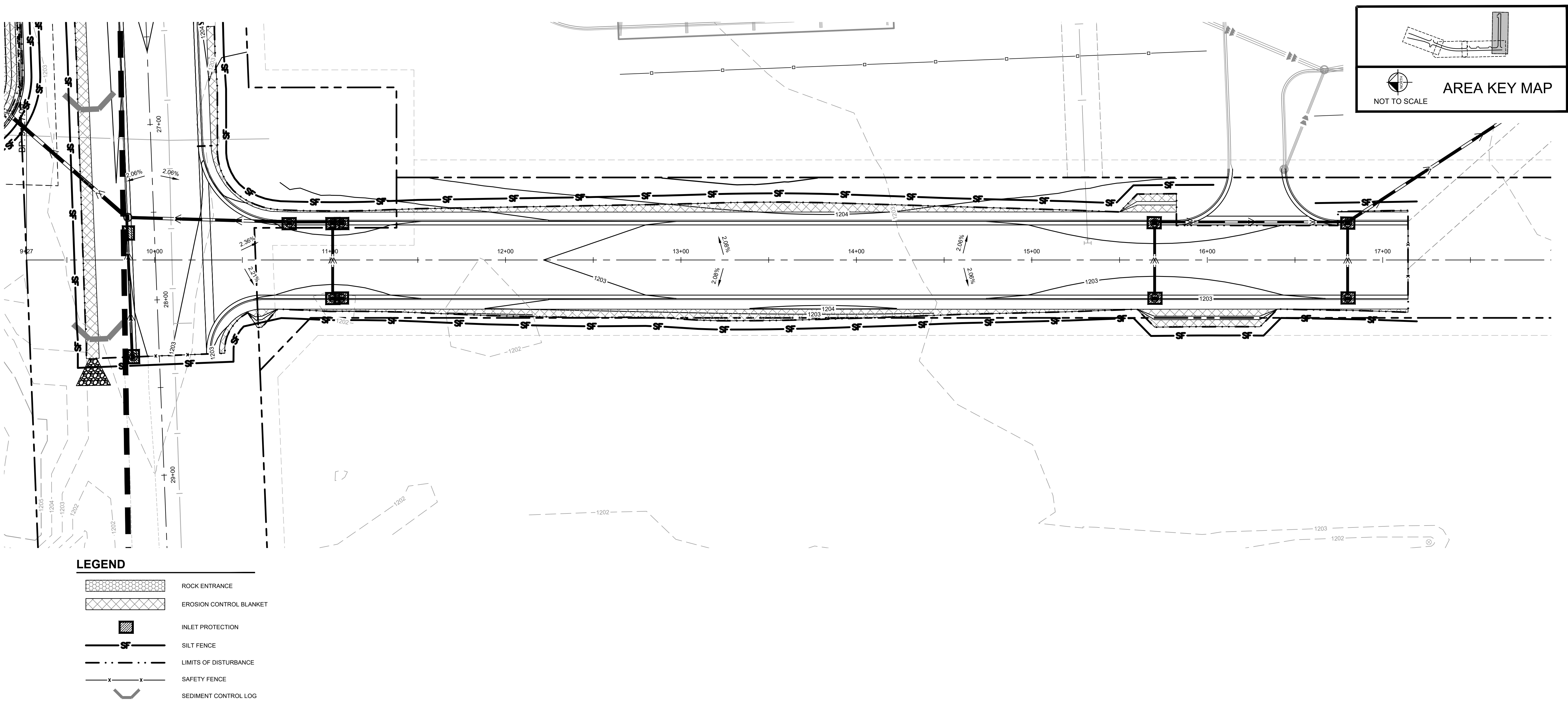
- ROCK ENTRANCE
- EROSION CONTROL BLANKET
- INLET PROTECTION
- SILT FENCE
- LIMITS OF DISTURBANCE
- SAFETY FENCE
- SEDIMENT CONTROL LOG



ISSUED FOR PERMIT - NOT FOR CONSTRUCTION

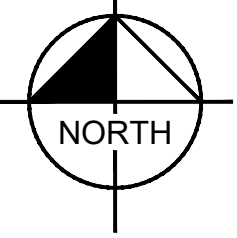
PROJECT TIMBER WOLF PREPARED FOR RYAN COMPANIES US, INC. BAXTER	EROSION AND SEDIMENT CONTROL PLAN - PHASE 2	KHA PROJECT 160640027 DATE 06/21/2024 SCALE AS SHOWN DESIGNED BY CJW DRAWN BY MJS CHECKED BY JTL	LICENSED PROFESSIONAL ENGINEER MATTHEW J. SORENSON MAY THIS PLAN BE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. MATTHEW J. SORENSON MAY 21, 2024 MAY 21, 2024 MAY 21, 2024	KIMLEY-HORN & ASSOCIATES, INC. 767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE 651-445-4197 WWW.KIMLEY-HORN.COM	Kimley-Horn	SHEET NUMBER C306	No.	REVISIONS	DATE	BY

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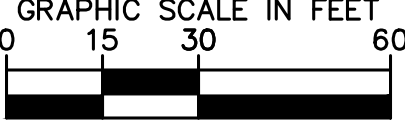




Know what's below.
Call before you dig.



NORTH

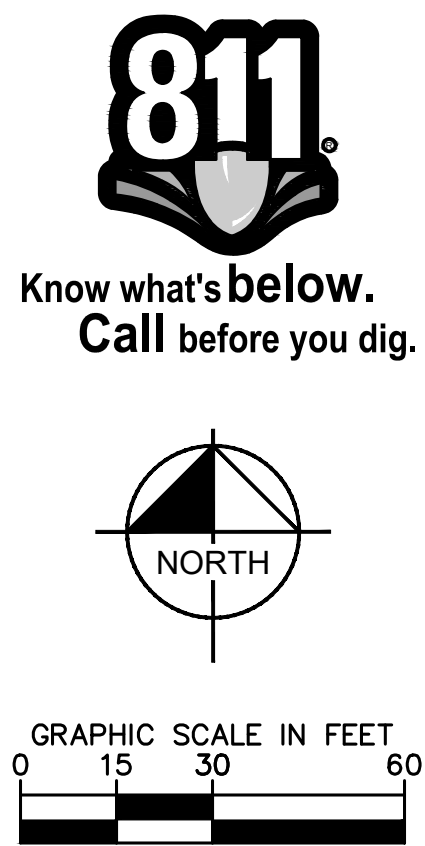
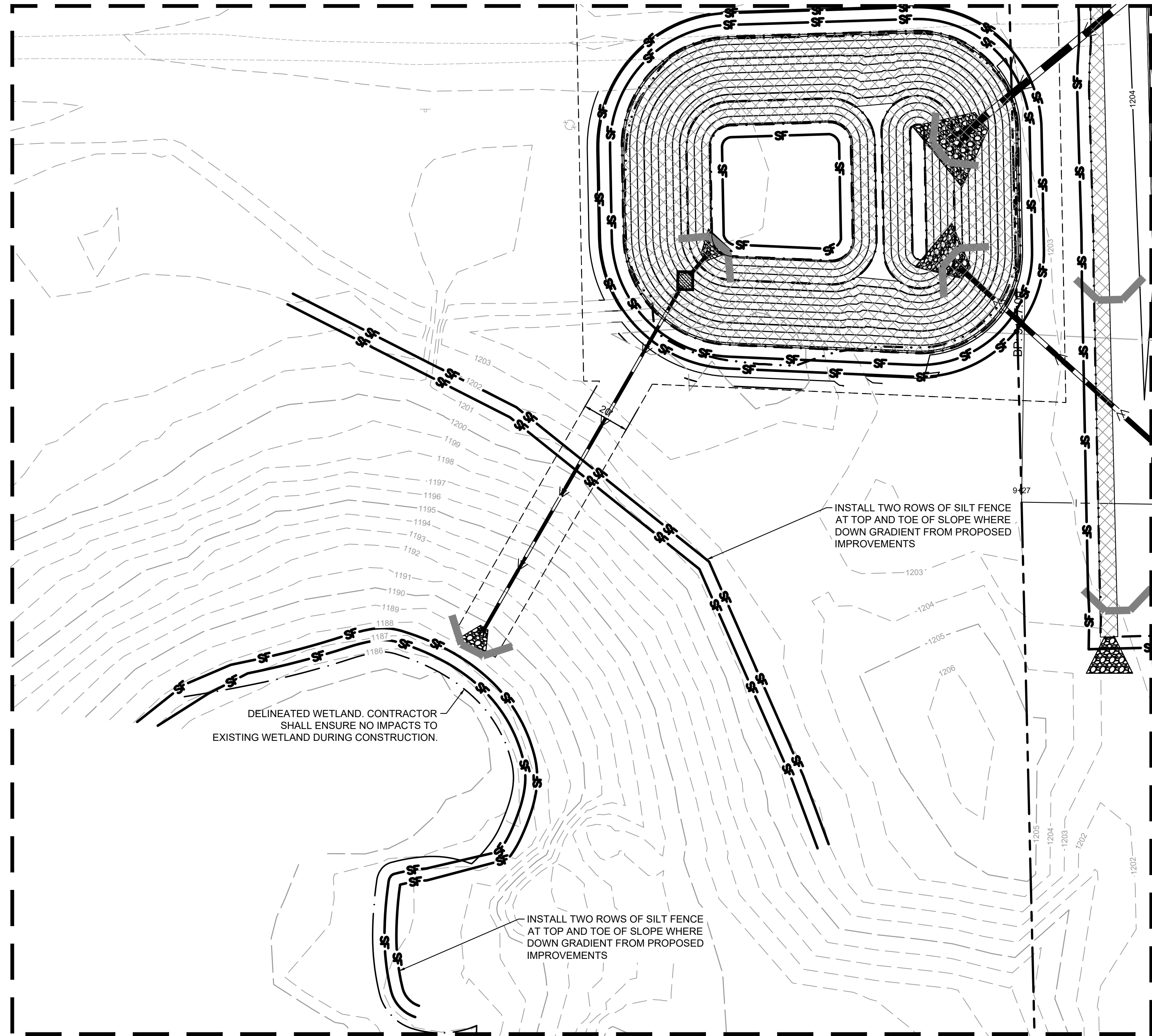


GRAPHIC SCALE IN FEET

ISSUED FOR PERMIT - NOT FOR CONSTRUCTION

PROJECT TIMBER WOLF	PREPARED FOR RYAN COMPANIES US, INC.	MN	BAXTER	EROSION AND SEDIMENT CONTROL PLAN - PHASE 2		KHA PROJECT 160640027		KIMLEY-HORN & ASSOCIATES, INC. 2024 KIMLEY-HORN AND ASSOCIATES, INC. 767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE 651-445-4197 WWW.KIMLEY-HORN.COM		Kimley»Horn			
				SHEET NUMBER C307		DATE 06/21/2024		DESIGNED BY CJW		DRAWN BY MJS		CHECKED BY JTL	

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LEGEND

	ROCK ENTRANCE
	EROSION CONTROL BLANKET
	INLET PROTECTION
	SILT FENCE
	LIMITS OF DISTURBANCE
	SAFETY FENCE
	SEDIMENT CONTROL LOG

[illegible]

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DESCRIPTION OF PROJECT AND CONSTRUCTION ACTIVITY

PROJECT INFORMATION:

PROJECT LOCATION:

NORTH HALF OF THE SOUTHEAST QUARTER OF THE NORTHWEST QUARTER OF SECTION 15, TOWNSHIP 133 N, RANGE 29 W
BAXTER, MN

MPCA ADDRESS:

MINNESOTA POLLUTION CONTROL AGENCY
CONSTRUCTION STORMWATER PERMIT PROGRAM
520 LAFAYETTE ROAD NORTH ST. PAUL, MN 55155-4194
PHONE: (800) 443-4729

WATER MANAGEMENT:

CITY OF BAXTER

GEOTECHNICAL INFORMATION:

THE GEOTECHNICAL REPORT WAS PREPARED BY BRAUN INTERTEC CORPORATION DATED MAY 3, 2024. PROJECT NUMBER 14050525. THE EXISTING SOILS ON SITE ARE PREDOMINATELY OF SANDY LACUSTRINE, OR POORLY GRADED SAND & POORLY GRADED SAND WITH SILT. GROUNDWATER WAS OBSERVED IN A PORTION OF PREVIOUS BORING PERFORMED ON THE SITE, THE LARGEST MEASURED DEPTH BEING 20 FEET.

PROJECT DESCRIPTION:

RYAN COMPANIES US, INC IS PROPOSING TO CONSTRUCT APPROXIMATELY 1000 LF EXISTING ROADWAY EXTENSION AND 700 LF NEW ROADWAY CONSTRUCTION. IMPROVEMENTS WILL CONSIST OF ROADWAY, UTILITIES, AND STORMWATER CONVEYANCE AND MANAGEMENT.

CONSTRUCTION ACTIVITY:

RECEIVING WATERS:

THE PROPOSED SITE STORMWATER RUNOFF WILL BE ROUTED TO AN INFILTRATION BASIN AND EVENTUALLY DISCHARGE TO THE SOUTHWEST INTO AN UNNAMED WETLAND.

CALCAREOUS FENS:

THIS PROJECT DOES NOT DRAIN TO ANY KNOW CALCAREOUS FENS.

SPECIAL OR IMPAIRED WATERS:

THERE ARE NO SPECIAL OR IMPAIRED BODIES OF WATER WITHIN 1 MILE OF THE SITE.

DESCRIPTION OF PROPOSED CONSTRUCTION ACTIVITIES:

THE PROJECT AREA IS 8.06 ACRES WITH A 14,414 CF INFILTRATION POND. THE PROJECT INCLUDES 3.47 ACRES OF IMPERVIOUS AREA AND 5.36 ACRES OF IMPERVIOUS AREA.

SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES:

PHASE 1:

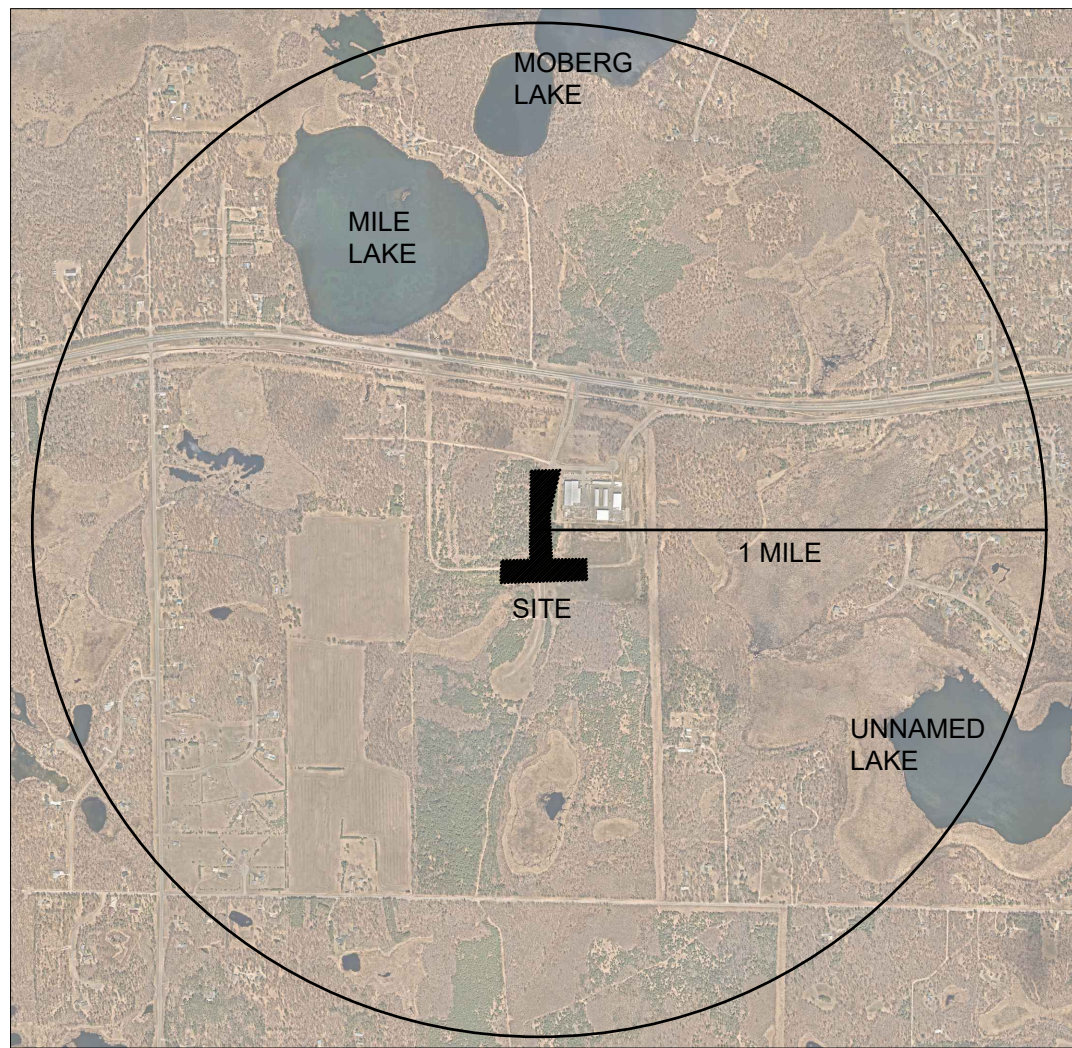
1. INSTALL PERIMETER SILT FENCE AND INLET PROTECTION AT EXISTING STORMWATER INLETS.
2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AND CONCRETE WASHOUT PIT.
3. PREPARE TEMPORARY PARKING AREA AND CONSTRUCT TEMPORARY SEDIMENT BASINS.
4. CLEARING AND GRUBBING.
5. BEGIN MASS SITE GRADING. ROUGH GRADE TO ESTABLISH PROPOSED DRAINAGE PATTERNS.
6. START CONSTRUCTION OF BUILDING PADS AND STRUCTURES.
7. IMMEDIATELY STABILIZE ANY EXPOSED SOIL AREAS AND COMPLETE STABILIZATION WITHIN 14 DAYS OF CEASING CONSTRUCTION ACTIVITIES IN THAT PORTION OF THE SITE. TEMPORARILY SEED DISTURBED AREAS THROUGHOUT CONSTRUCTION.

PHASE 2:

1. CONSTRUCT UNDERGROUND SITE UTILITIES, STORM SEWER, AND STORMWATER MANAGEMENT SYSTEM.
2. INSTALL INLET PROTECTION AT ALL STORM SEWER STRUCTURES AS EACH INLET STRUCTURE IS INSTALLED.
3. INSTALL ALL OTHER TEMPORARY EROSION AND SEDIMENT CONTROLS.
4. COMPLETE SITE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS DISTURBED.
5. PLACE PAVEMENT SUBBASE AND INSTALL SUBDRAINAGE SYSTEM.
6. CONSTRUCT PAVEMENT, CURB & GUTTER, AND SIDEWALKS. REPLACE AND MAINTAIN INLET PROTECTION DEVICES WITHIN PAVED AREAS AS WORK PROGRESSES.
7. COMPLETE FINAL GRADING AND INSTALLATION OF PERMANENT STABILIZATION. RE-STABILIZE AREAS DISTURBED BY THE REMOVAL OF TEMPORARY BMP'S.

EROSION AND SEDIMENT CONTROL PLAN AND DETAIL SHEETS:

SHEET C101 - CIVIL DETAILS
SHEET C102 - CIVIL DETAILS
SHEET C200 - SITE DEMOLITION PLAN
SHEET C201 - SITE DEMOLITION PLAN
SHEET C202 - SITE DEMOLITION PLAN
SHEET C203 - SITE DEMOLITION PLAN
SHEET C300 - EROSION AND SEDIMENT CONTROL PLAN - PHASE I
SHEET C301 - EROSION AND SEDIMENT CONTROL PLAN - PHASE I
SHEET C302 - EROSION AND SEDIMENT CONTROL PLAN - PHASE I
SHEET C303 - EROSION AND SEDIMENT CONTROL PLAN - PHASE I
SHEET C304 - EROSION AND SEDIMENT CONTROL PLAN - PHASE II
SHEET C305 - EROSION AND SEDIMENT CONTROL PLAN - PHASE II
SHEET C306 - EROSION AND SEDIMENT CONTROL PLAN - PHASE II
SHEET C307 - EROSION AND SEDIMENT CONTROL PLAN - PHASE II
SHEET C308 - EROSION AND SEDIMENT CONTROL PLAN - PHASE II
SHEET C309 - SWPPP



IMPAIRED WATERS MAP

TIMING OF CONTOL MEASURES

THE FOLLOWING CONTROL MEASURES WILL BE COORDINATED WITH CONSTRUCTION ACTIVITIES:

1. STORM SEWER INLET PROTECTION SHALL BE THE FIRST ITEM CONSTRUCTED AND SHALL REMAIN IN PLACE UNTIL PERMANENT STABILIZATION HAS TAKEN PLACE.
2. SILT FENCE SHALL BE CONSTRUCTED PRIOR TO ANY SOIL DISTURBANCE AND SHALL REMAIN IN PLACE UNTIL PERMANENT STABILIZATION HAS TAKEN PLACE.
3. STRUCTURAL BMPs, SUCH AS DIVERSIONS, AND SEDIMENT TRAPS OR BASINS (IF REQUIRED), SHALL BE INSTALLED PRIOR TO MAJOR SOIL DISTURBANCE.
4. CLEARING, GRADING AND PAVEMENT REMOVAL WILL NOT OCCUR IN AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED.
5. INFILTRATION AREA (IF REQUIRED) SHALL NOT BE EXCAVATED TO FINAL GRADE UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED. IN ADDITION RIGOROUS EROSION PREVENTION AND SEDIMENT CONTROLS MUST BE IMPLEMENTED TO KEEP ALL RUNOFF AND SEDIMENT OUT OF THE INFILTRATION PRACTICE.

EROSION AND SEDIMENT CONTROL DEVICES WILL BE SATISFACTORILY MAINTAINED UNTIL THE CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR EROSION HAS PASSED.

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

THE STORM WATER POLLUTION PREVENTION PLAN REFLECTS MINNESOTA POLLUTION CONTROL AGENCY GUIDELINES FOR STORM WATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL DURING CONSTRUCTION ACTIVITIES. THE STORM WATER POLLUTION PREVENTION PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT. BMPs SHALL BE INCORPORATED IN ACCORDANCE WITH THE NPDES/SDS STORMWATER PERMIT FOR CONSTRUCTION.

MAINTENANCE AND INSPECTION RECORDS

THE OWNER AND CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING INSPECTION AND MAINTENANCE PRACTICES TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

1. PERMITTEES MUST IMMEDIATELY INITIATE STABILIZATION OF EXPOSED SOIL AREAS AND COMPLETE STABILIZATION WITHIN SEVEN (7) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE TEMPORARILY OR PERMANENTLY CEASES.
2. ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 0.5 INCHES OR GREATER IN 24 HOURS. THE INSPECTION WILL BE COMPLETED BY THE EROSION CONTROL SUPERVISOR.
3. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
4. BIO ROLLS WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE CONCRETE BARRIERS.
5. INLET PROTECTION DEVICES WILL BE INSPECTED FOR DEPTH OF SEDIMENT AND FREE OF ANY TEARS. DEVICES SHALL BE INSPECTED TO ENSURE THEY ARE SECURELY IN PLACE.
6. SILT FENCE SHALL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, FABRIC ATTACHMENT TO POSTS, AND THAT POSTS AND FABRIC BOTTOM ARE FIRMLY IN THE GROUND.
7. BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE THIRD THE HEIGHT OF THE FENCE.

SPILL PREVENTION

GOOD HOUSEKEEPING:

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

1. DESIGNATE AREAS FOR EQUIPMENT MAINTENANCE AND REPAIR, TAKING STEPS TO MINIMIZE SPILLS AND CONTROL THE RUNOFF FROM THESE AREAS;
2. PROVIDE WASTE RECEPTACLES AT CONVENIENT LOCATIONS. THE RECEPTACLES SHOULD BE COVERED AND THE WASTE SHOULD BE REGULARLY COLLECTED;
3. PROVIDE APPROPRIATE CONTROL OF EQUIPMENT WASH WATERS, SUCH AS CONCRETE WASHOUTS, TO PREVENT UNAUTHORIZED DRY WEATHER DISCHARGES AND AVOID MIXING THE WASH WATER WITH STORM WATER;
4. PROVIDE PROTECTED STORAGE AREAS FOR CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS, GASOLINE, AND OTHER POTENTIALLY TOXIC MATERIALS. THESE AREAS SHOULD PROVIDE CONTAINMENT TO PREVENT STORM WATER FROM ENTERING THE CHEMICAL STORAGE AREA AND PREVENT LEAKS FROM LEAVING THE CHEMICAL STORAGE AREA; AND
5. PROVIDE ADEQUATELY MAINTAINED SANITARY FACILITIES.

HAZARDOUS PRODUCTS:

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

1. PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS UNLESS IT CANNOT BE RESEALED.
2. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS WILL BE RETAINED ON SITE AND ACCESSIBLE AT ALL TIMES; THEY CONTAIN IMPORTANT PRODUCT AND SAFETY INFORMATION.
3. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

SPILL CONTROL PRACTICES:

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

1. MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
2. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN A MATERIAL STORAGE AREA LOCATED ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
3. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
4. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
5. SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE. IN ADDITION TO REPORTING TO LOCAL AUTHORITIES, REPORT SPILLS TO THE MINNESOTA POLLUTION CONTROL AGENCY (STATE DUTY OFFICER: 800-422-0798 OR 651-297-8610). ANY SPILLS ABOVE THE REPORTABLE QUANTITIES LIMITS IN THE CODE OF FEDERAL REGULATIONS (CFR), TITLE 40, PART 302 SHALL BE REPORTED TO THE EPA NATIONAL RESPONSE CENTER (800-424-8802). THE REPORT WILL INCLUDE MEASURES TO PREVENT SPILLS FROM REOCCURRING AND INFORMATION REGARDING HOW TO REMEDIATE SPILLS IF A SIMILAR OCCURRENCE HAPPENS. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
6. THE CONTRACTOR'S EROSION CONTROL SUPERVISOR SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR.
7. SPILLS WILL BE STUDIED TO UNDERSTAND WHY THEY OCCURRED AND PREVENTIVE METHODS WILL BE CREATED TO ENSURE SIMILAR SPILLS DO NOT OCCUR IN THE FUTURE.

PRODUCT SPECIFIC PRACTICES

PETROLEUM PRODUCTS:

ALL ON SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT BASED MATERIALS USED ON SITE WILL BE APPLIED AND STORED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. ANY SPILLED PETROLEUM PRODUCTS OF 5 GALLONS OR MORE SHALL BE REPORTED TO THE MINNESOTA POLLUTION CONTROL AGENCY AT 651-297-8610.

PAINTS AND CLEANING SOLVENTS:

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT AND SOLUTIONS WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS' INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE AND CONCRETE TRUCKS:

CONCRETE, CONCRETE TOOLS AND TRUCKS ALL MUST WASH OUT IN A DESIGNATED AREA. THE DESIGNATED AREA MUST BE CLEARLY IDENTIFIED ON THE SITE AND COMMUNICATED TO ALL PERSONNEL INVOLVED WITH CAST-IN-PLACE CONCRETE AS THE WASHOUT AREA. THIS DESIGNATED AREA MUST MEET THE MPCA AND EPA REGULATIONS OF A DEFINED CONCRETE WASHOUT AREA. THE FOLLOWING THREE OPTIONS ARE CONSIDERED AN APPROVED METHOD:

1. KEEPING ALL CONCRETE WASHOUT SELF-CONTAINED AND RETURNED TO AN INDUSTRIAL SITE TO BE DISPOSED OF IN A MPCA APPROVED MANNER.
2. PROVIDING A PREFABRICATED CONCRETE WASHOUT CONTAINER THAT ALL CONCRETE WASHOUT CAN BE COLLECTED IN. THESE CONTAINERS SHOULD 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.

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.

INSPECTIONS AND MAINTENANCE

EROSION CONTROL SUPERVISOR (MNDOT 2573):

THE CONTRACTOR SHALL ASSIGN AN EROSION CONTROL SUPERVISOR FOR THE PROJECT WHO SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE PROJECT SWPPP. THE EROSION CONTROL SUPERVISOR (ECS) SHALL COMPLY WITH THE MOST CURRENT ADDITION OF THE MNDOT STANDARD SPECIFICATION FOR CONSTRUCTION FOR ALL APPLICABLE SECTIONS. 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 THAN 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 PLAN AS NECESSARY (MNDOT1717.2E)
7. IDENTIFY OTHER POTENTIAL POLLUTANT SOURCES AND MAKE SURE REMEDIES ARE 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 TO THE SWPPP.
9. IF CHANGES IN CONSTRUCTION DOCUMENTS ARE NOT ADDRESSED IN THE SWPPP, THEN THE ECS SHALL AMEND THE SWPPP TO INCLUDE THE CHANGES

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

CONTRACTOR'S EROSION/SEDIMENT CONTROL SITE PLAN:

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

1. THE NAME OF THE CONTRACTOR'S DESIGNATED EROSION CONTROL SUPERVISOR WITH 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 (OR 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 RESPONSIBLE FOR EMERGENCY REPAIRS AND REPLACEMENTS.
5. LOCATION WHERE THE SWPPP DOCUMENT AND NPDES PERMIT WILL BE KEPT ON-SITE. THE DOCUMENT SHOULD BE ACCESSIBLE AT ALL TIMES AND AVAILABLE IN THE TIME OF ESSENCE.
6. WHERE AND HOW CONCRETE WASHOUT WILL OCCUR AND BE IN COMPLIANCE OF THE MINNESOTA POLLUTION CONTROL AGENCY'S (MPCA) MEMORANDUM "CONCRETE WASHOUT GUIDANCE".
7. LOCATION OF STOCKPILES OF NATIVE SOLS AND/OR BORROW MATERIALS. INDICATE HOW STOCKPILES WILL BE KEPT IN COMPLIANCE WITH NPDES AND MPCA REQUIREMENTS.

THE CONTRACTOR WILL NOT BE ALLOWED TO START WORK UNTIL THE ENGINEER HAS 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 AND WITHIN 24 HOURS ON THE END OF A STORM EVENT RESULTING IN 0.5 INCHES OR GREATER WITHIN A 24 HOUR PERIOD. THE INSPECTION SHALL BE COMPLETED BY THE ECS.
2. PERMITTEES MUST IMMEDIATELY INITIATE STABILIZATION OF EXPOSED SOIL AREAS AND COMPLETE STABILIZATION WITHIN SEVEN (7) DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE TEMPORARILY OR PERMANENTLY CEASES.
3. ALL MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS 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 THE GROUND.
5. BUILT UP SEDIMENT SHALL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED 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 PLACE.

CONSTRUCTION NOTES:

1. PRIOR COMMENCEMENT OF CONSTRUCTION ACTIVITIES IN ANY AREA OF THE PROJECT, DOWN GRADIENT EROSION AND SEDIMENT CONTROL MEASURES AND CONCRETE BARRIERS DELINEATING THE CONSTRUCTION LIMITS SHALL BE INSTALLED AND INSPECTED BY THE ECS AND THE ENGINEER.
2. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL EROSION AND SEDIMENT 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 IS 7 DAYS. FERTILIZER SHOULD BE DISTRIBUTED AT A RATE OF 250 LBS/ACRE.
5. IF DOWN GRADIENT BMPs ARE OVERLOADED DURING A STORM EVENT, ADDITIONAL UP GRADIENT BMPs ARE REQUIRED TO ELIMINATE THE OVERLOAD. THE ADDITIONAL BMPs MUST BE RECORDED ON THIS SWPPP IN THE AMENDMENTS TO SWPPP SECTION.
6. TEMPORARY STOCKPILES MUST HAVE SILT FENCE OR OTHER EFFECTIVE SEDIMENT CONTROLS, AND CANNOT BE PLACED IN SURFACE WATERS INCLUDING STORM WATER CONVEYANCES SUCH AS CURB AND GUTTER SYSTEMS, OR CONDUITS AND DITCHES. ALL STOCKPILES SHALL BE COVERED OR STABILIZED TO LIMIT WIND EROSION.
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 AND AS DIRECTED BY THE ENGINEER OR AHJ.
9. CONCRETE WASHOUT SHALL BE DONE IN ACCORDANCE WITH THE MPCA AND THE EPA CONCRETE WASHOUT GUIDANCE.

CROW WING COUNTY, MN	
MAP UNIT SYMBOL	MAP UNIT NAME
D62A	ZIMMERMAN LOAMY FINE SAND, 0 TO 2 PERCENT SLOPES



CONTROLS

PERIMETER/SEDIMENT CONTROLS:

ONE CONSTRUCTION EXIT/ENTRANCE SHALL BE INCORPORATED INTO THE PROJECT. ALL CONSTRUCTION TRAFFIC SHALL UTILIZE THE CONSTRUCTION EXIT(S) SUCH THAT TRACK 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 DOWNSTREAM GRADIENT OF THE AREA TO BE DISTURBED. INLET PROTECTION WILL ALSO 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 IN PLACE ON ALL EXPOSED SOIL AREAS WHERE NO CONSTRUCTION ACTIVITIES WILL OCCUR FOR A PERIOD OF 7 DAYS.

STABILIZATION PRACTICES:

TEMPORARY STABILIZATION INCLUDES THE INSTALLATION OF SILT FENCING ON THE DOWNSTREAM GRADIENT OF THE AREA TO BE DISTURBED. INLET PROTECTION WILL ALSO BE REQUIRED ON ALL EXISTING AND PROPOSED STORM SEWER CATCH BASINS AND MAINTAINED THROUGHOUT CONSTRUCTION. EFFECTIVE BMP'S MUST BE IN PLACE ON ALL EXPOSED SOIL AREAS WHERE NO CONSTRUCTION ACTIVITIES WILL OCCUR FOR A PERIOD OF 7 DAYS OR MORE. STABILIZING MUST OCCUR WITHIN 7 DAYS OF THE LAST CONSTRUCTION ACTIVITY.

STOCKPILES WILL BE KEPT IN AN ORDERLY FASHION IN AN AREA DESIGNATED BY THE EROSION CONTROL SUPERVISOR ON THE CONTRACTOR'S EROSION / SEDIMENT CONTROL SITE PLAN. THE STOCKPILES MUST HAVE PERIMETER CONTROL AND STABILIZATION IF SOIL STOCK PILES REMAIN FOR MORE THAN 14 DAYS. STABILIZATION OR COVERING THE PILE WITH PLASTIC OR GEO-TEXTILE MAY ALSO BE NECESSARY FOR CONTROLLING DUST.

PERMANENT STABILIZATION INCLUDES BUILDING CONSTRUCTION, PLACEMENT OF CURB AND GUTTER, PAVEMENT, AND FINAL LANDSCAPING AND GROUND COVER ACCORDING TO THE CONSTRUCTION DRAWINGS.

ANY REMOVALS SHALL BE LIMITED TO THAT WHICH IS REQUIRED AND IN AN ORDER THAT IS CONSISTENT WITH THE REMOVAL AND CONSTRUCTION SEQUENCE.

OTHER CONTROLS

WASTE MATERIALS:

ALL WASTE MATERIALS SHALL BE PROPERLY HANDLED, STORED, AND DISPOSED OF. CONSTRUCTION CHEMICALS AND CONCRETE WASHOUT WILL BE PROPERLY CONTROLLED TO PREVENT POLLUTANTS FROM ENTERING STORM WATER DISCHARGES.

SANITARY WASTE:

ALL SANITARY WASTE SHALL BE COLLECTED FROM THE PROTABLE UNITS AS REQUIRED BY LOCAL REGULATION.

HAZARDOUS WASTE MATERIALS:

ALL HAZARDOUS WASTE MATERIALS SHALL BE STORED AND DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION. MATERIALS WITH THE POTENTIAL TO LEACH 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.

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 BY THE ENGINEER OR AHJ. DUMP TRUCKS HAULING MATERIAL TO AND FROM THE CONSTRUCTION AREA SHALL BE COVERED WITH A TARP/AULIN. ALL VEHICLES EXITING THE 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 FROM CONSTRUCTION DEWATERING ACTIVITIES IS COVERED UNDER THE GENERAL PERMIT.

VEHICLE FUELING & MAINTENANCE:

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 PROPER SPILL PREVENTION CONTROLS IN PLACE PRIOR TO COMMENCING WORK.

EQUIPMENT AND VEHICLES MUST BE CLEANED REGULARLY TO PREVENT A BUILDUP OF OIL AND GREASE. BERMS, SANDBAGS, OR OTHER BARRIERS SHOULD BE USED AROUND THE 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 CONTAINERS.

DUST CONTROL:

DUST RESULTING FROM THE CONTRACTOR'S WORK EITHER INSIDE OR OUTSIDE THE RIGHT OF WAY, SHALL BE CONTROLLED BY THE CONTRACTOR BY APPLYING EITHER WATER OR DUST PALLIATIVE, OR BOTH.

BMP QUANTITY TABLE	
INLET PROTECTION	32 EA
SILT FENCE	±12,622 LF
EROSION CONTROL BLANKET	±40,268 SF
SEDIMENT CONTROL LOG	22 EA
ROCK CONSTRUCTION ENTRANCE	1 EA
INFILTRATION BASIN	1 EA

ENGINEER

KIMLEY-HORN AND ASSOCIATES, INC.

PREPARED BY: MATTHEW J. SORENSON
767 EUSTIS STREET, SUITE 100
ST. PAUL, MN 55114
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SWPPP DESIGNER

KIMLEY-HORN AND ASSOCIATES, INC.

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DEVELOPER

RYAN COMPANIES US, INC

533 S THIRD STREET, SUITE 100
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Kimley»Horn

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THIS CERTIFICATE WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Matthew J. Sorenson
MATTHEW J. SORENSON
DATE: 05/24/2024 LIC. NO. 59721

KHA PROJECT	160640027
DATE	06/21/2024
SCALE	#####
DESIGNED BY	CJW
DRAWN BY	MJS
CHECKED BY	JTL

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 PROPER SPILL PREVENTION CONTROLS IN PLACE PRIOR TO COMMENCING WORK.

EQUIPMENT AND VEHICLES MUST BE CLEANED REGULARLY TO PREVENT A BUILDUP OF OIL AND GREASE. BERMS, SANDBAGS, OR OTHER BARRIERS SHOULD BE USED AROUND THE 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 CONTAINERS.

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SWPPP DESIGNER

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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 CASTING)
	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 PROPOSED 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 WITHIN THE BOUNDARIES OF THE PROPOSED INFILTRATION BMP. UTILIZE AN EXCAVATOR WITH A TOOTHED BUCKET TO AVOID COMPACTING OR SMEARING OF SOILS.
- AFTER INITIAL EXCAVATION AND ROUGH GRADING, PROVIDE A MINIMUM OF TWO (2) DOUBLE RING INFILTRMETER 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 THE BASIN OR UNDERGROUND SYSTEM.
- IF CLAY SOILS ARE ENCOUNTERED, OVER-EXCAVATE AS NECESSARY TO REACH NATIVE SANDY/SILTY SOIL. BACKFILL THE ADDITIONAL EXCAVATION WITH SUITABLE ENGINEERED FILL MATERIAL.
- IF NATIVE SUBGRADE SOILS AT THE BOTTOM OF THE PROPOSED INFILTRATION AREA ARE DETERMINED TO NOT BE CONDUCIVE TO THE DESIGN INFILTRATION REQUIREMENTS, REMOVE AND REPLACE THE POORLY INFILTRATION SOILS TO A DEPTH WHERE THE EXISTING NATIVE SUBGRADE SOILS MEET OR EXCEED THE DESIGN INFILTRATION REQUIREMENTS AS REVIEWED BY THE ENGINEER.
- FINAL EXCAVATION OF THE INFILTRATION AREA AND INSTALLATION OF ANY ENGINEERED SOIL MUST OCCUR IN DRY CONDITIONS TO PREVENT SMEARING AND COMPACTION.
- REMOVE ANY EXCESS SOILS THAT ENTER THE INFILTRATION BASIN PRIOR TO FINAL STABILIZATION.
- UPON COMPLETION OF THE INFILTRATION/FILTRATION SYSTEM INSTALLATION AND FINAL STABILIZATION OF THE TRIBUTARY AREA, PROVIDE DOCUMENTATION THAT THE BMP 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.
- CONTACT STATE 811 CALL-BEFORE-YOU-DIG LOCATING SERVICE AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION FOR UNDERGROUND UTILITY LOCATIONS.
- STORM SEWER MATERIALS PER CITY OF BAXTER SPECIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR ALL HORIZONTAL AND VERTICAL CONTROL.
- 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 IMPACTING THE PROPOSED DESIGN OF THE PROJECT.
- 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.
- 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.
- ALL STORM SEWER PIPE JOINTS SHALL BE WATER-TIGHT CONNECTIONS.
- 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.

GRADING PLAN NOTES

- PERFORM GRADING WORK IN ACCORDANCE WITH APPLICABLE CITY SPECIFICATIONS AND BUILDING PERMIT REQUIREMENTS.
- CONTACT STATE 811 CALL-BEFORE-YOU-DIG LOCATING SERVICE AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION FOR UNDERGROUND UTILITY LOCATIONS.
- CONTRACTOR TO FIELD VERIFY THE LOCATIONS AND ELEVATIONS OR EXISTING UTILITIES AND TOPOGRAPHIC FEATURES PRIOR TO THE START OF SITE GRADING. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES OR VARIATIONS.
- SUBGRADE EXCAVATION SHALL BE BACKFILLED IMMEDIATELY AFTER EXCAVATION TO 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.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL HORIZONTAL AND VERTICAL CONTROL.
- CONTRACTOR SHALL EXCAVATE DRAINAGE TRENCHES TO FOLLOW PROPOSED UTILITY ALIGNMENTS.
- GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL ROUGH GRADE TO SUBGRADE ELEVATION AND LEAVE STREET READY FOR SUBBASE.
- 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.
- REFER TO THE UTILITY PLAN FOR SANITARY SEWER MAIN, WATER MAIN SERVICE LAYOUT AND ELEVATIONS AND CASTING / STRUCTURE NOTATION.
- CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION OF PAVEMENTS AND CURB AND GUTTER WITH SMOOTH UNIFORM SLOPES TO PROVIDE POSITIVE DRAINAGE.
- INSTALL A MINIMUM OF 4" CLASS 5 AGGREGATE BASE UNDER CURB AND GUTTER AND CONCRETE SIDEWALKS.
- 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.
- ALL SPOT ELEVATIONS/CONTOURS ARE TO GUTTER / FLOW LINE UNLESS OTHERWISE NOTED.
- 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 PARKING STALLS OR 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.
- MAINTAIN A MINIMUM OF 0.5% GUTTER SLOPE TOWARDS LOW POINTS.
- 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 LANDSCAPE AREAS.
- ALL STORM SEWER CONNECTIONS SHALL BE GASKETED AND WATER TIGHT INCLUDING MANHOLE CONNECTIONS.
- MAINTAIN A MINIMUM OF 1.25% SLOPE IN BITUMINOUS PAVEMENT AREAS, 0.5% SLOPE IN CONCRETE PAVEMENT AREAS.
- CONTRACTOR SHALL REVIEW PAVEMENT GRADIENT AND CONSTRUCT "INFALL CURB" WHERE PAVEMENT DRAINS TOWARD GUTTER, AND "OUTFALL" CURB WHERE PAVEMENT DRAINS AWAY FROM GUTTER.

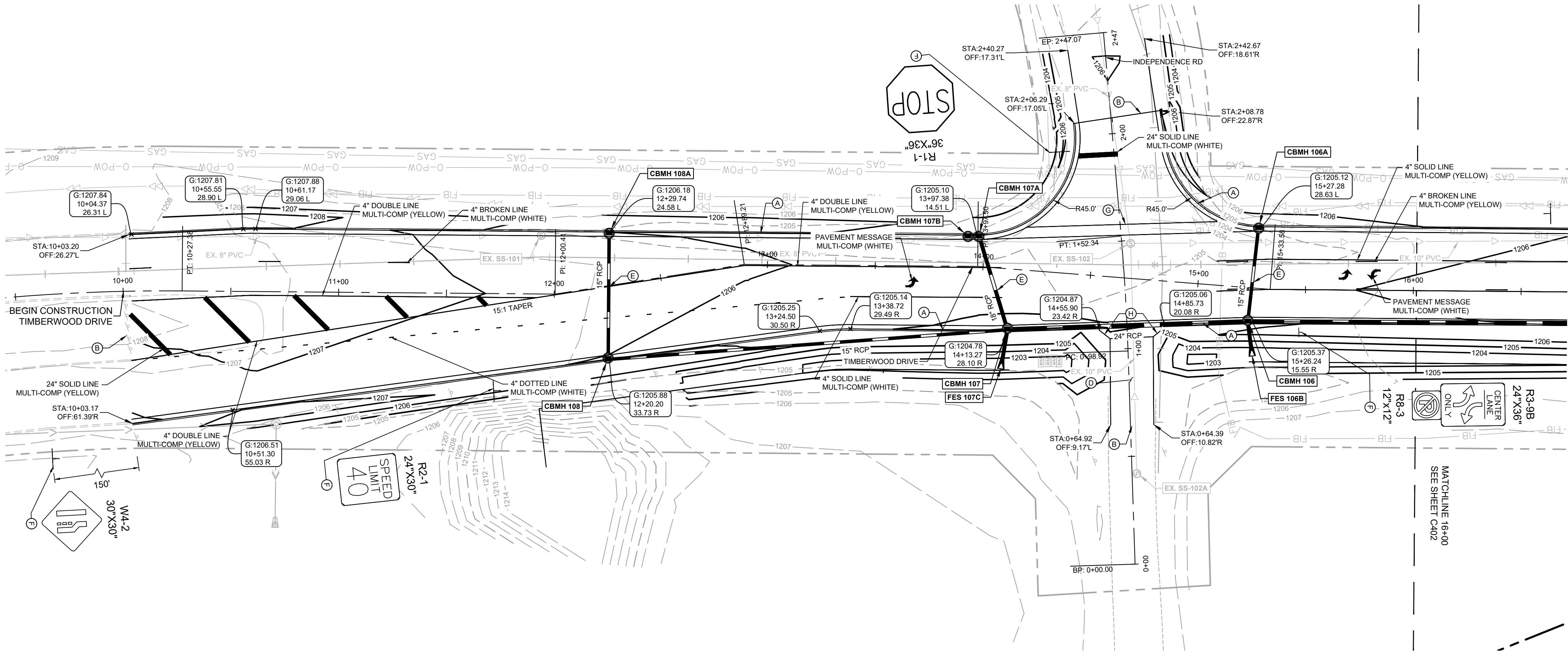
UTILITY PLAN NOTES

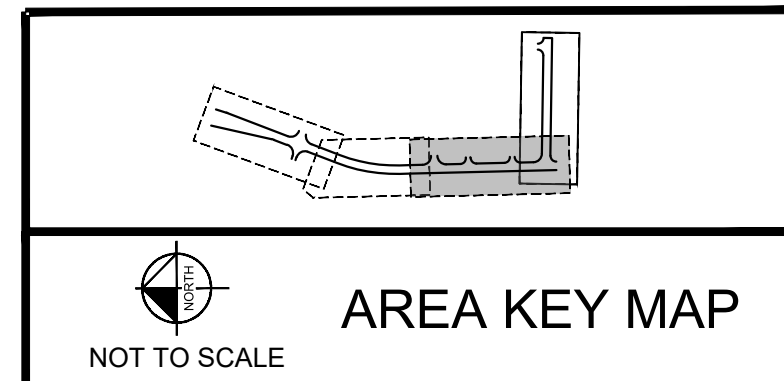
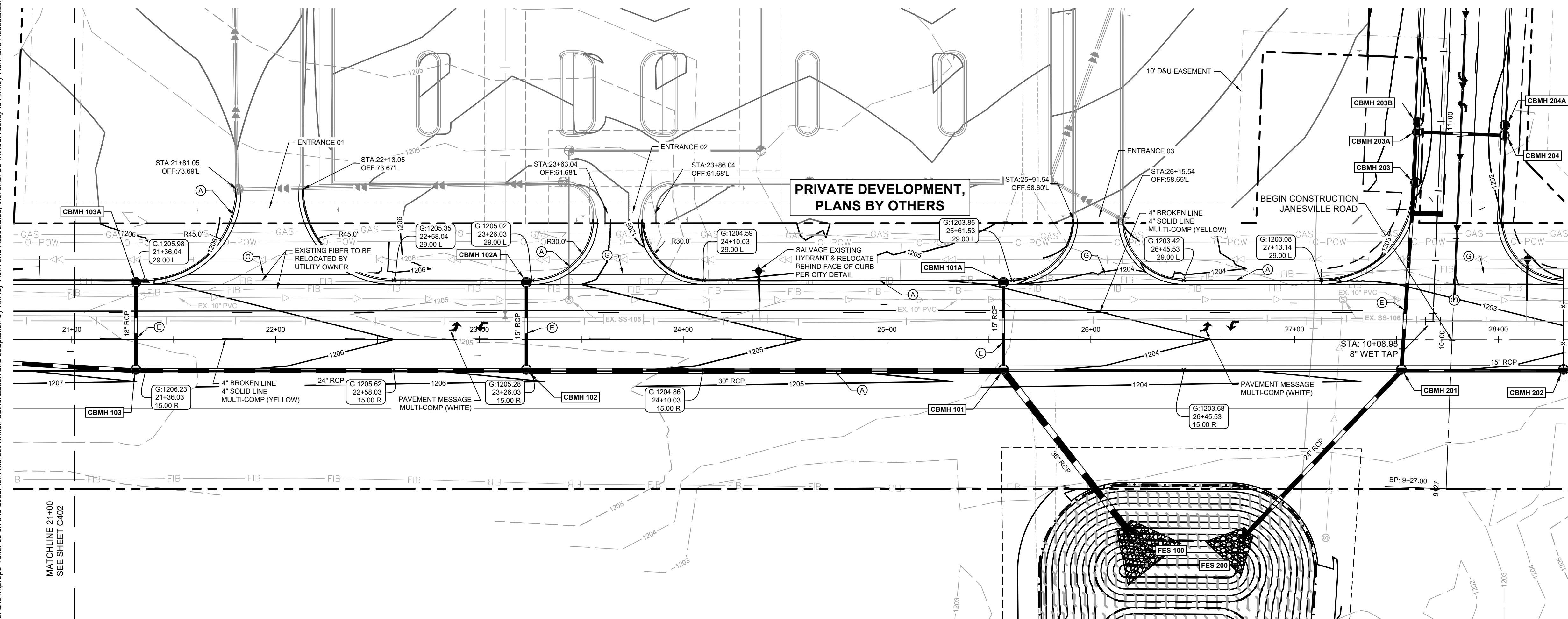
- INSTALL UTILITIES IN ACCORDANCE WITH APPLICABLE CITY SPECIFICATIONS, STATE PLUMBING CODE, AND BUILDING PERMIT REQUIREMENTS.
- CONTACT STATE 811 CALL-BEFORE-YOU-DIG LOCATING SERVICE AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION FOR UNDERGROUND UTILITY LOCATIONS.
- CONTRACTOR IS RESPONSIBLE FOR ALL HORIZONTAL AND VERTICAL CONTROL.
- SANITARY SEWER MATERIALS PER CITY OF BAXTER SPECIFICATIONS.
- WATER MAIN MATERIALS PER CITY OF BAXTER SPECIFICATIONS.
- WHEN CONNECTING TO AN EXISTING UTILITY LINE, FIELD VERIFY THE LOCATION, DEPTH, AND SIZE OF THE EXISTING PIPE(S) PRIOR TO INSTALLATION OF THE NEW LINES. NOTIFY THE PROJECT ENGINEER OF ANY DISCREPANCIES OR VARIATIONS IMPACTING THE PROPOSED DESIGN OF THE PROJECT.
- PLACE AND COMPACT ALL FILL MATERIAL PRIOR TO INSTALLATION OF PROPOSED UNDERGROUND UTILITIES. MINIMUM TRENCH WIDTH SHALL BE 2 FEET.
- MAINTAIN A MINIMUM OF 8'-6" COVER ON ALL WATER LINES.
- FOR WATER LINES AND STUB-OUTS UTILIZE MECHANICAL JOINTS WITH RESTRAINTS SUCH AS THRUST BLOCKING, WITH STAINLESS STEEL OR COBALT BLUE BOLTS, OR AS INDICATED IN THE CITY SPECIFICATIONS AND PROJECT DOCUMENTS.
- MAINTAIN 18-INCH MINIMUM VERTICAL SEPARATION WHERE SANITARY SEWER AND STORM SEWER PIPES CROSS WATER LINES (OUTSIDE EDGE OF PIPE TO OUTSIDE EDGE OF PIPE OR STRUCTURE). PROVIDE 10-FOOT HORIZONTAL SEPARATION BETWEEN SEWER PIPE AND WATER LINES.
- ALL PVC & HDPE SEWER AND WATER PIPE SHALL HAVE A TRACER WIRE INSTALLED IN THE TRENCH AND TERMINATED PER THE DETAILS.
- UNDERGROUND UTILITY LINES SHALL BE INSTALLED, INSPECTED AND APPROVED PRIOR TO PLACING BACKFILL.
- RAISE MANHOLE CASTINGS IN ACCORDANCE WITH CITY DETAILS. IN GREEN AREAS, RAISE MANHOLE CASTINGS TO BE FLUSH WITH FINISHED GRADE AND MARKED WITH A POST PER CITY REQUIREMENT.
- CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES, AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANIES AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.
- CONTRACTOR IS RESPONSIBLE FOR ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES AND/OR UTILITY SERVICE COMPANIES. COORDINATE WITH ALL UTILITY COMPANIES FOR INSTALLATION REQUIREMENTS AND SPECIFICATIONS.
- 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.
- EXCESS MATERIAL, ABANDONED UTILITY ITEMS, AND OTHER UNUSABLE MATERIALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF THE CONSTRUCTION SITE.
- ALL STORM SEWER PIPE JOINTS SHALL BE WATER-TIGHT CONNECTIONS.
- 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.

ISSUED FOR PERMIT - NOT FOR CONSTRUCTION

PROJECT TIMBER WOLF	PREPARED FOR RYAN COMPANIES US, INC.	SHEET NUMBER C400	BAXTER	MN	KHA PROJECT 160640027	DATE 06/21/2024	SCALE AS SHOWN	DESIGNED BY CJW	DRAWN BY MJS	CHECKED BY JTL	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. Matthew J. Sorenson MATTHEW J. SORENSON DATE 06/21/2024 MN LIC. NO. 59721	Kimley»Horn © 2024 KIMLEY-HORN AND ASSOCIATES, INC. 767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE 651-845-4197 WWW.KIMLEY-HORN.COM	No.	REVISIONS	DATE	BY

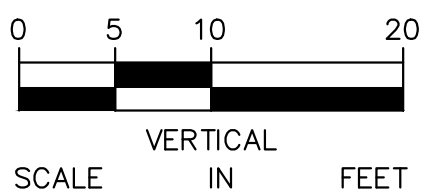
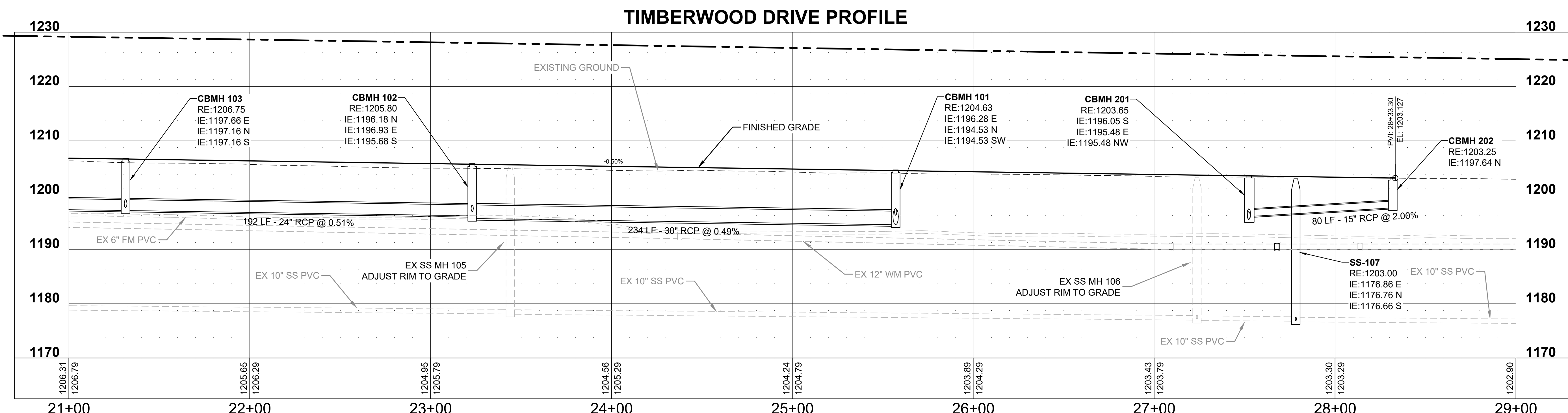
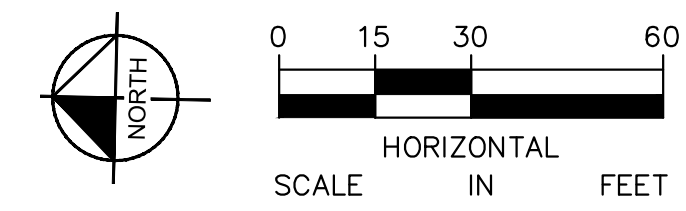
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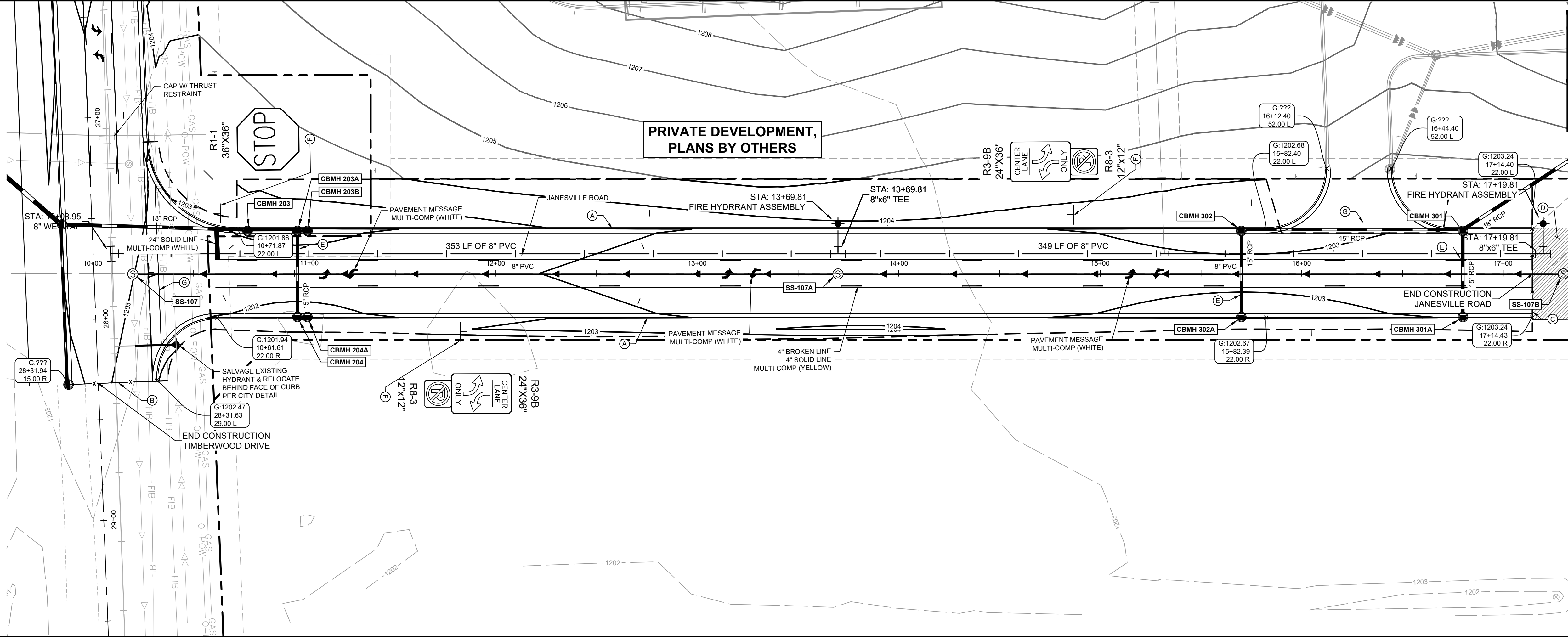
- LEGEND**
- (A) B624 CONCRETE CURB AND GUTTER PER MNDOT 7100H
 - (B) SAWCUT EXISTING BITUMINOUS
 - (C) TYPE 3 BARRICADES
 - (D) 6" CLASS 5 WITH 2" TOPSOIL
 - (E) INSULATION PER DETAIL S-6 ON SHEET C106
 - (F) FURNISH & INSTALL SIGNS. SEE SHEETS C103, C104 FOR INSTALLATION DETAILS.
 - (G) VALLEY GUTTER PER DETAIL RD-7 ON SHEET C104
 - (H) CONCRETE APRON PER DETAIL RD-9 ON SHEET C104

- NOTES:**
1. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
 2. STRUCTURE LOCATIONS ARE TO CENTER OF CASTING FOR MH AND FACE OF CURB FOR CB AND CBMH.
 3. EXACT SIGNAGE AND STRIPING LOCATIONS AND DIMENSIONS ARE TO FOLLOW MNDOT STANDARDS.
 4. CONTRACTOR TO COORDINATE WITH LOCAL POST MASTER FOR TEMPORARY MAILBOX LOCATIONS.



SHEET NUMBER		C403	
PROJECT TIMBER WOLF		MINN	
PREPARED FOR			
RYAN COMPANIES			
US, INC.			
BAXTER			
TIMBERWOOD			
DRIVE ROADWAY			
AND UTILITY			
PLANS			
KHA PROJECT		I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.	
160640027			
DATE			
05/10/2024			
SCALE		AS SHOWN	
DESIGNED BY		JTL	
DRAWN BY		RCH	
CHECKED BY		MJS	
		DATE: 06/21/2024	
		L.C. NO. 59721	
		MIN	
		MATTHEW J. SORENSON	
			
		© 2024 KIMLEY-HORN AND ASSOCIATES, INC.	
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		PHONE 651-645-4197	
		WWW.KIMLEY-HORN.COM	
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NOT TO SCALE

AREA KEY MAP

LEGEND

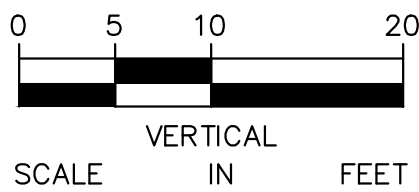
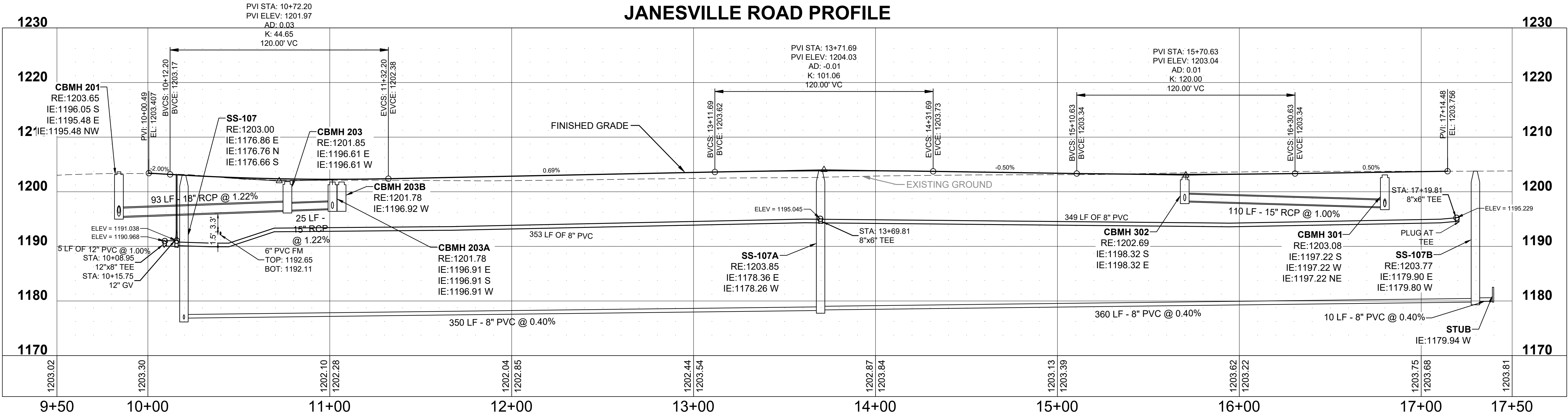
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- (D) 6" CLASS 5 WITH 2" TOPSOIL
- (E) INSULATION PER DETAIL S-6 ON SHEET C106
- (F) FURNISH & INSTALL SIGNS. SEE SHEETS C103, C104 FOR INSTALLATION DETAILS.
- (G) VALLEY GUTTER PER DETAIL RD-7 ON SHEET C104
- (H) CONCRETE APRON PER DETAIL RD-9 ON SHEET C104

NOTES:

- ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- STRUCTURE LOCATIONS ARE TO CENTER OF CASTING FOR MH AND FACE OF CURB FOR CB AND CBMH.
- EXACT SIGNAGE AND STRIPING LOCATIONS AND DIMENSIONS ARE TO FOLLOW MNDOT STANDARDS.
- CONTRACTOR TO COORDINATE WITH LOCAL POST MASTER FOR TEMPORARY MAILBOX LOCATIONS.

0 15 30 60

SCALE IN FEET



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PROJECT TIMBER WOLF

PREPARED FOR

RYAN COMPANIES

US, INC.

BAXTER

JANESVILLE ROAD

ROADWAY AND

UTILITY PLANS

KHA PROJECT 160640027

DATE 05/10/2024

SCALE AS SHOWN

DESIGNED BY JTL

DRAWN BY RCH

CHECKED BY MJS

Kimley»Horn

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PHONE 651-445-4197

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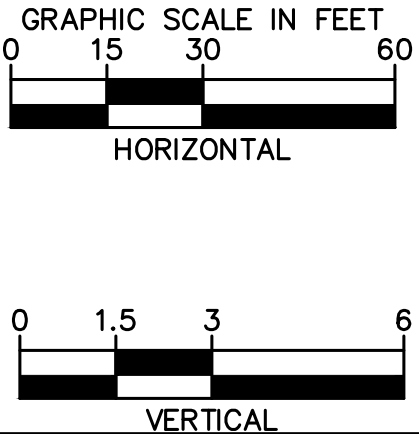
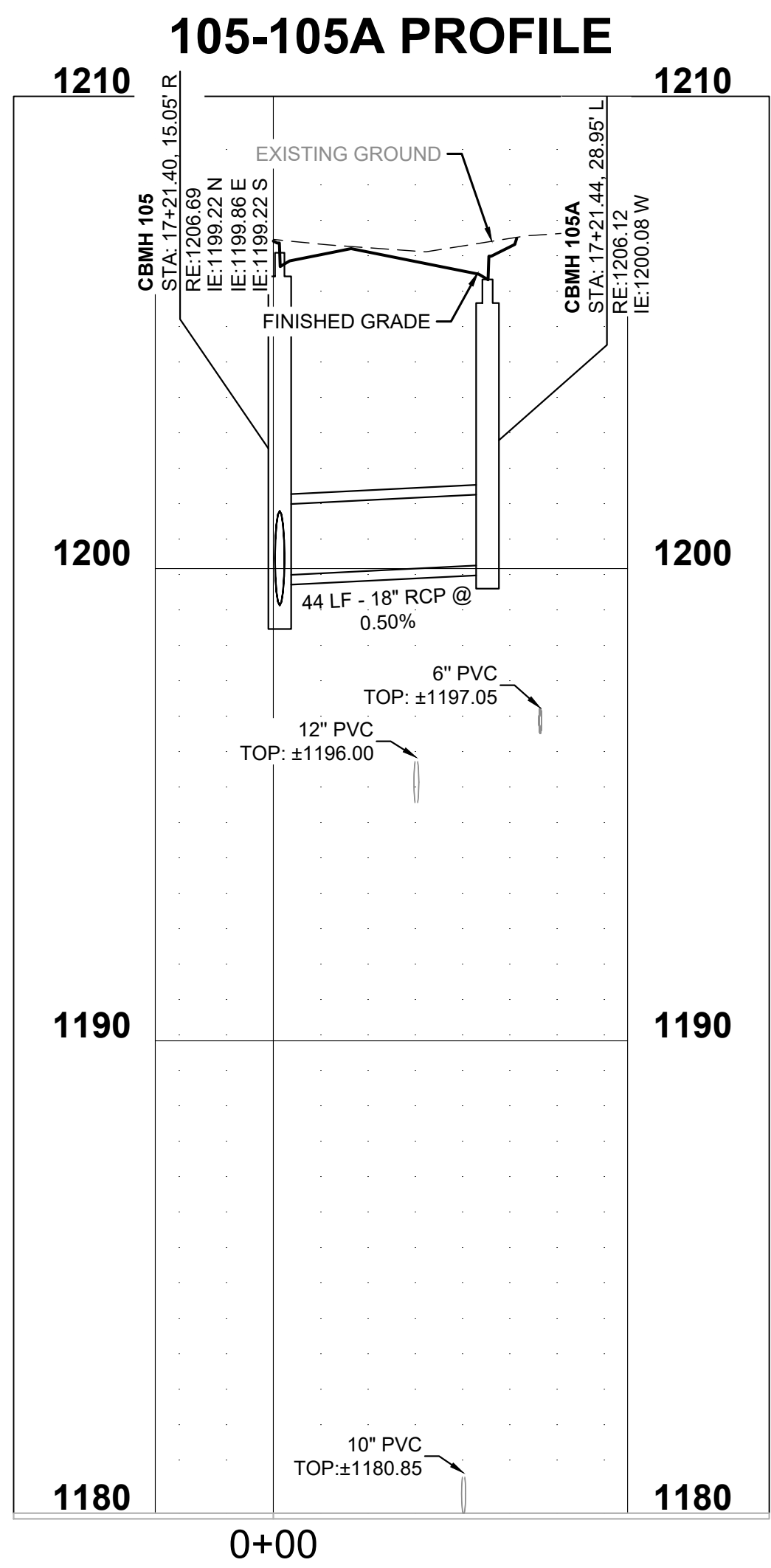
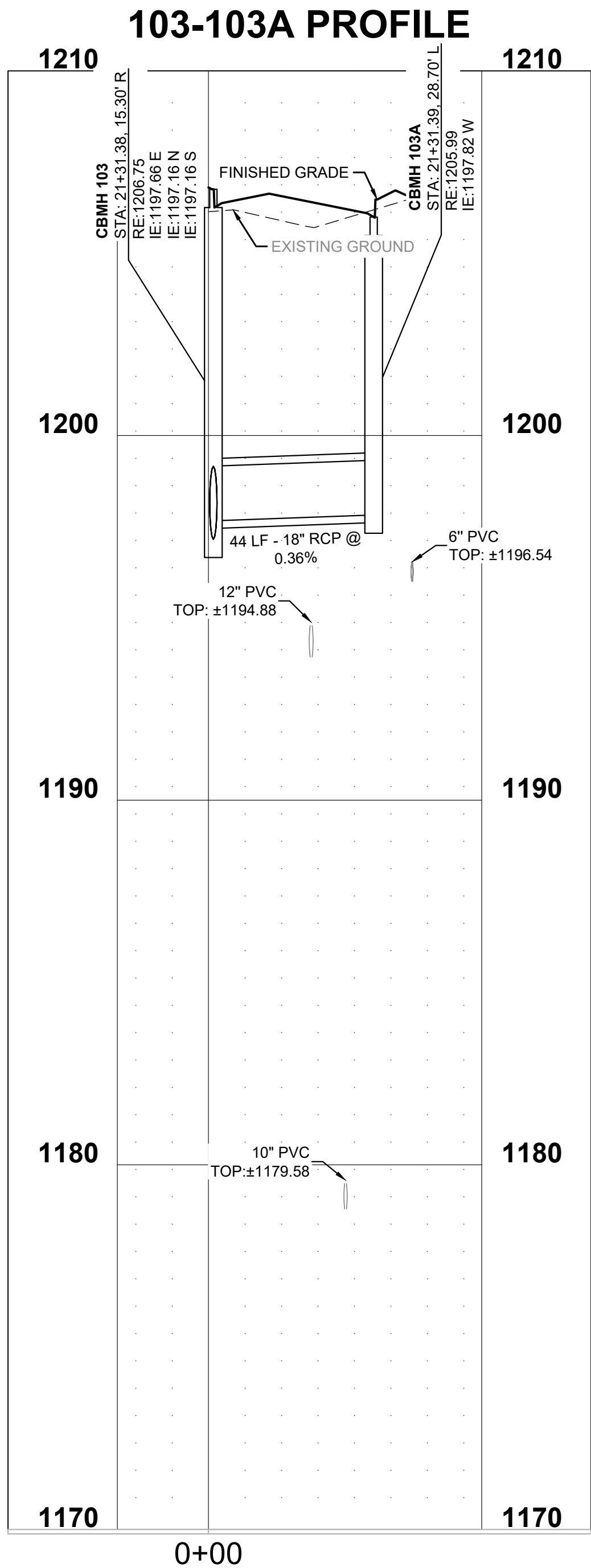
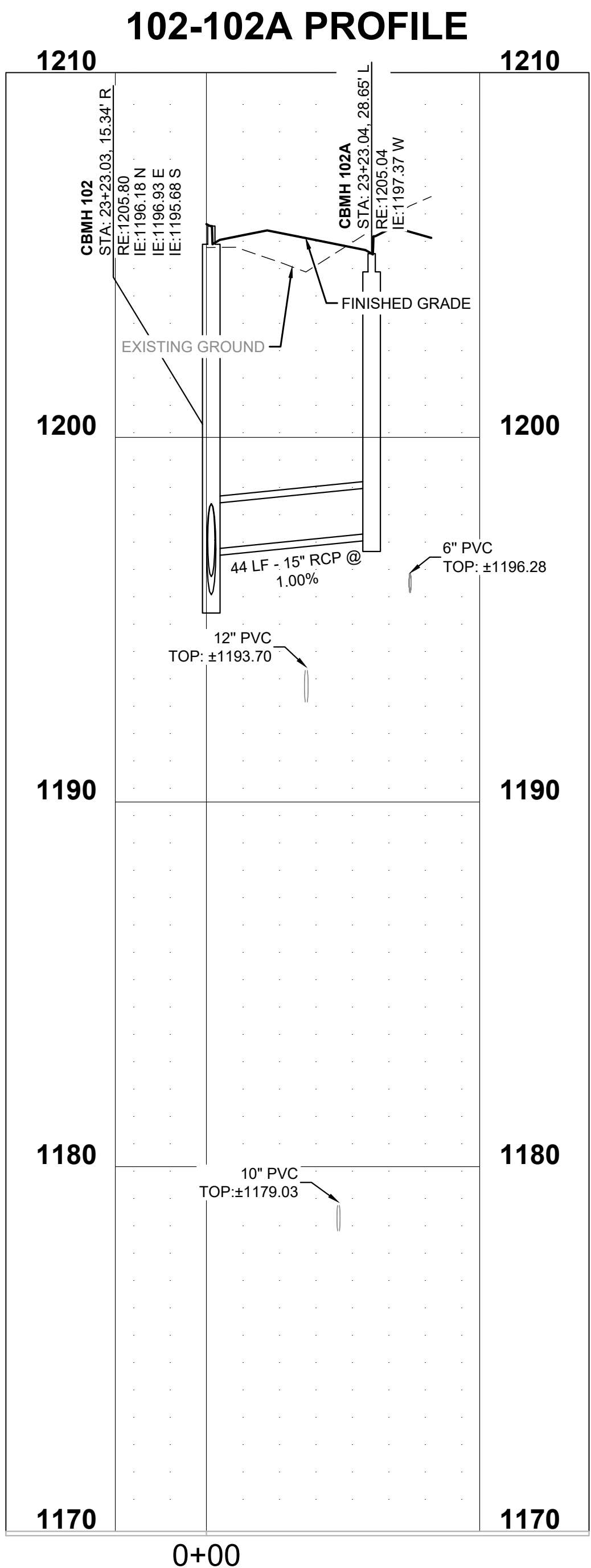
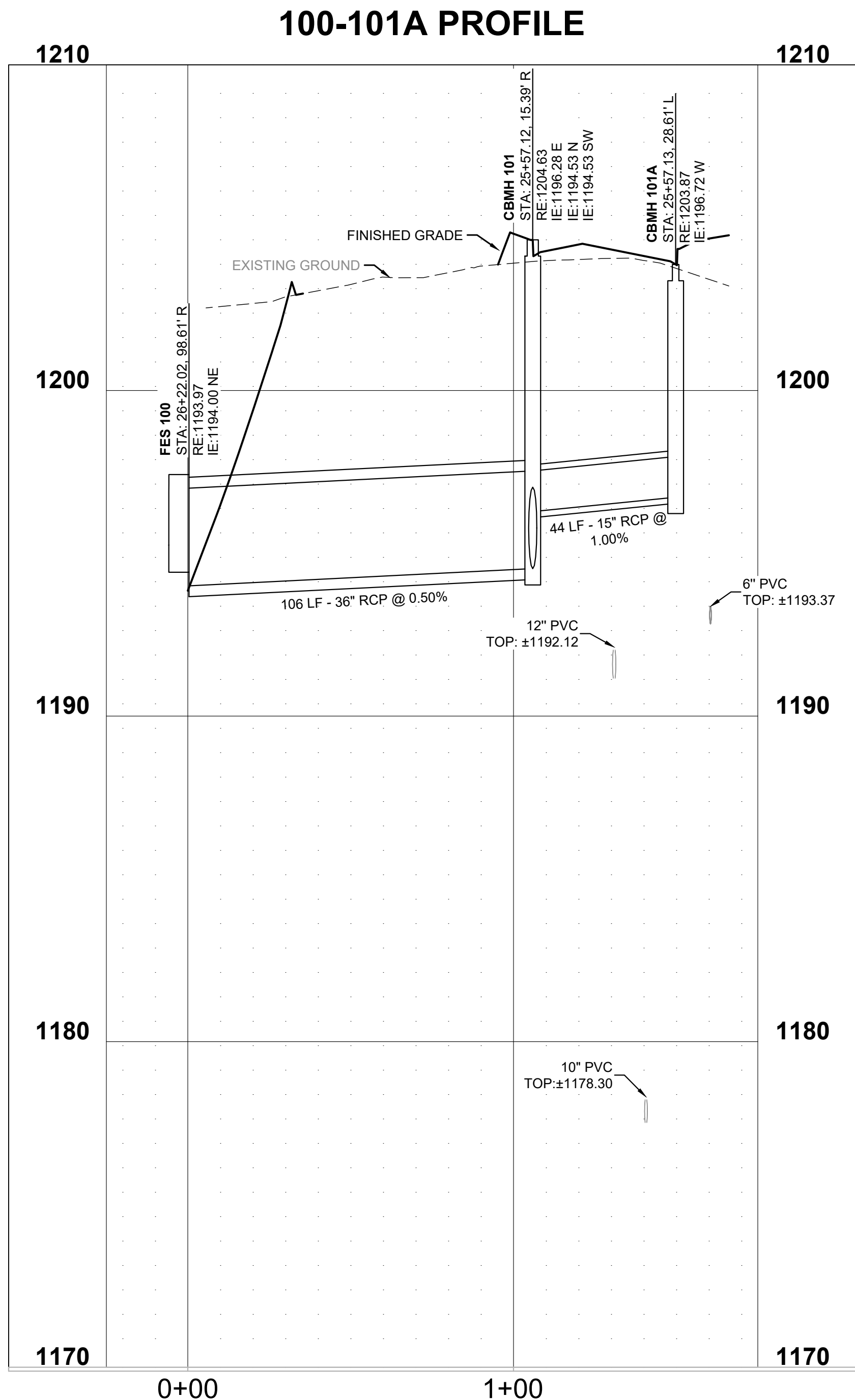
DATE 06/21/2024

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RYAN COMPANIES

US, INC.

STORM SEWER LATERAL PROFILES

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DATE: 06/21/2024 MN LIC. NO. 59721

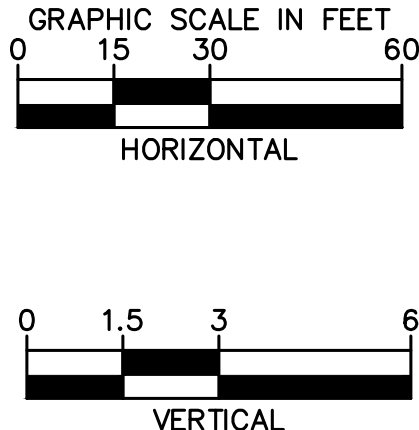
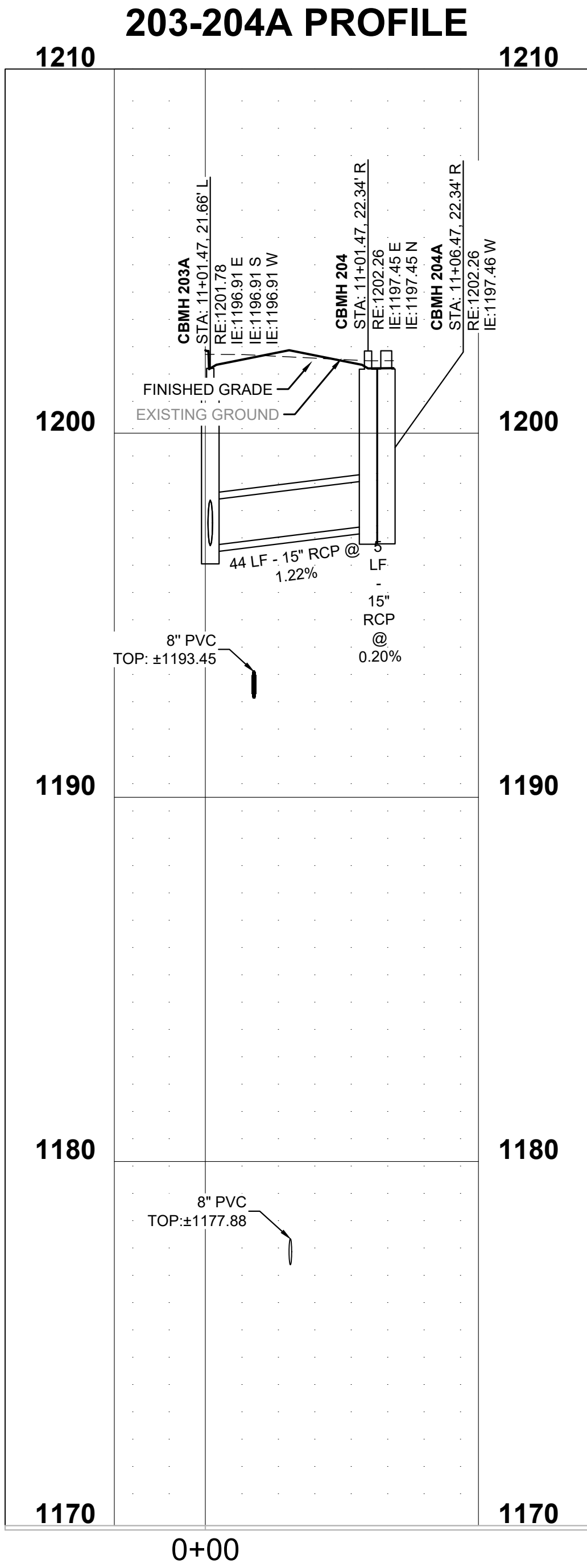
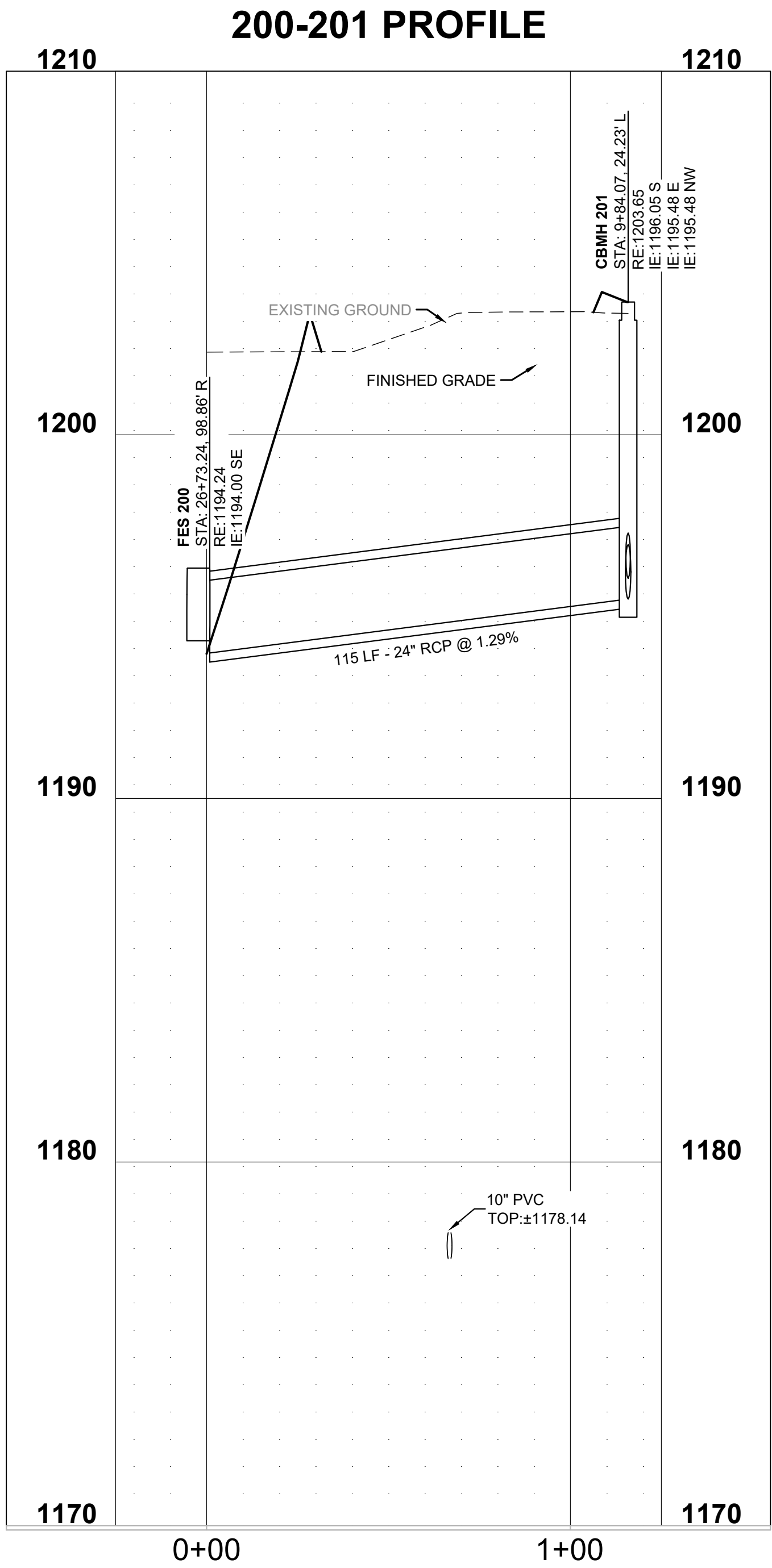
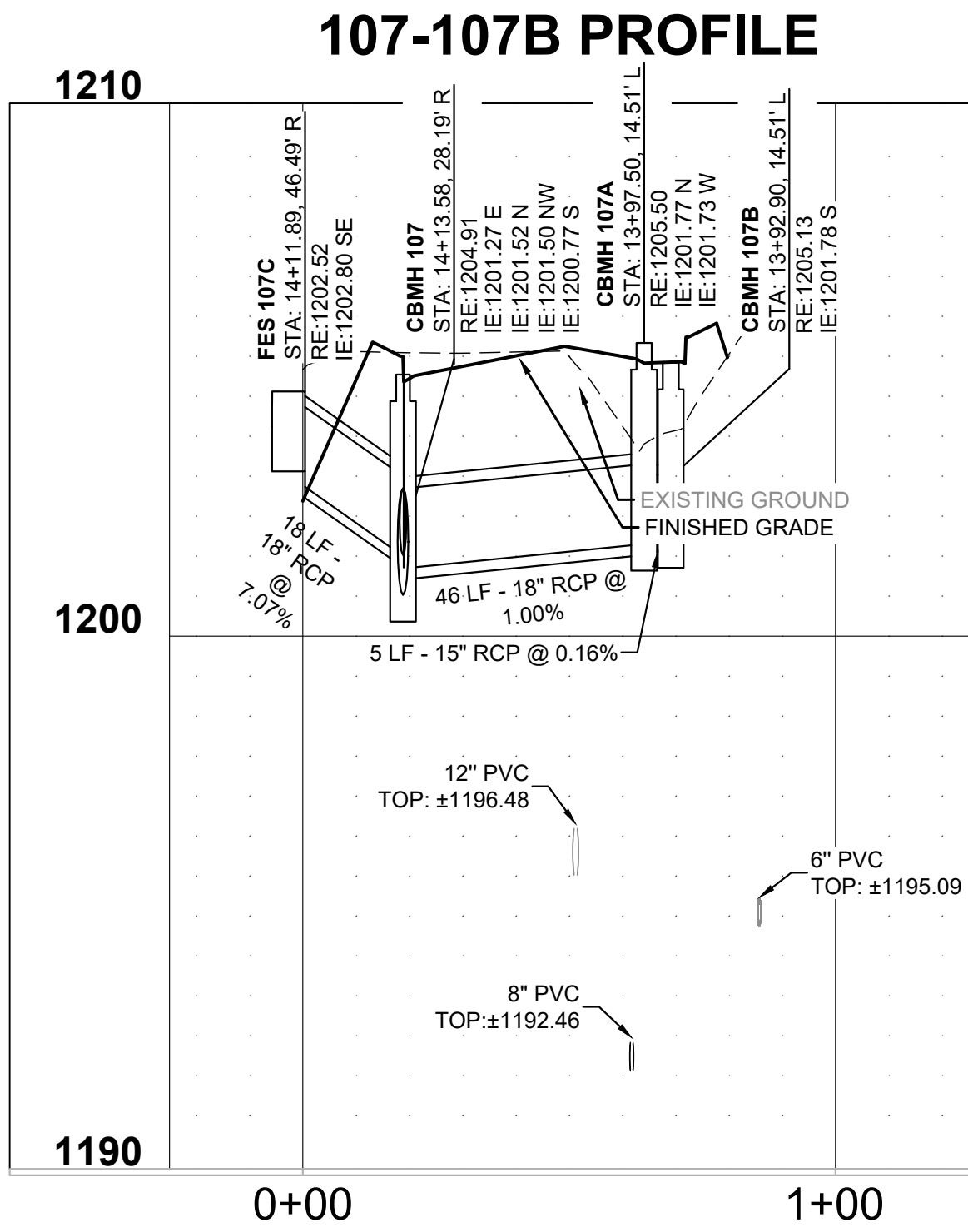
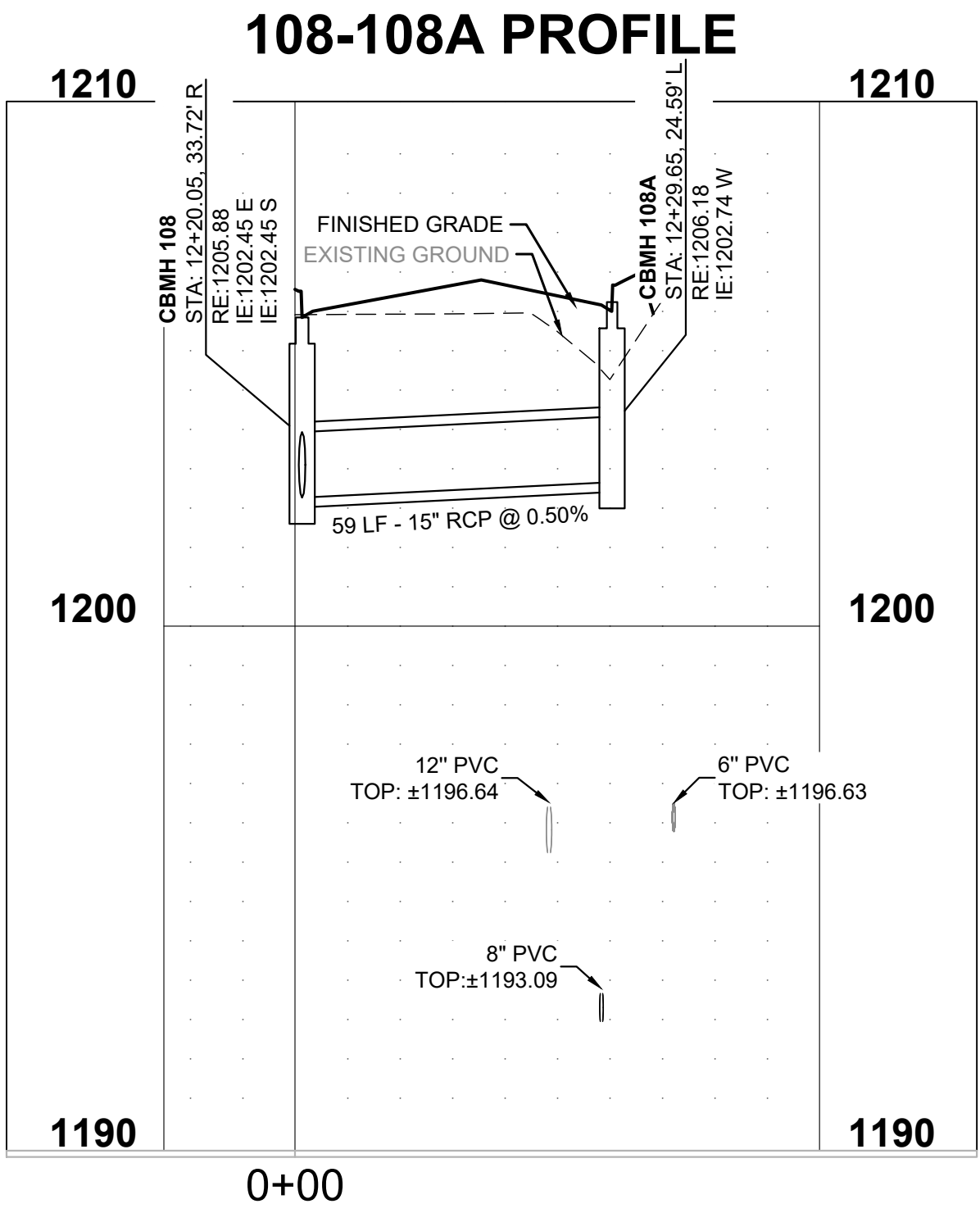
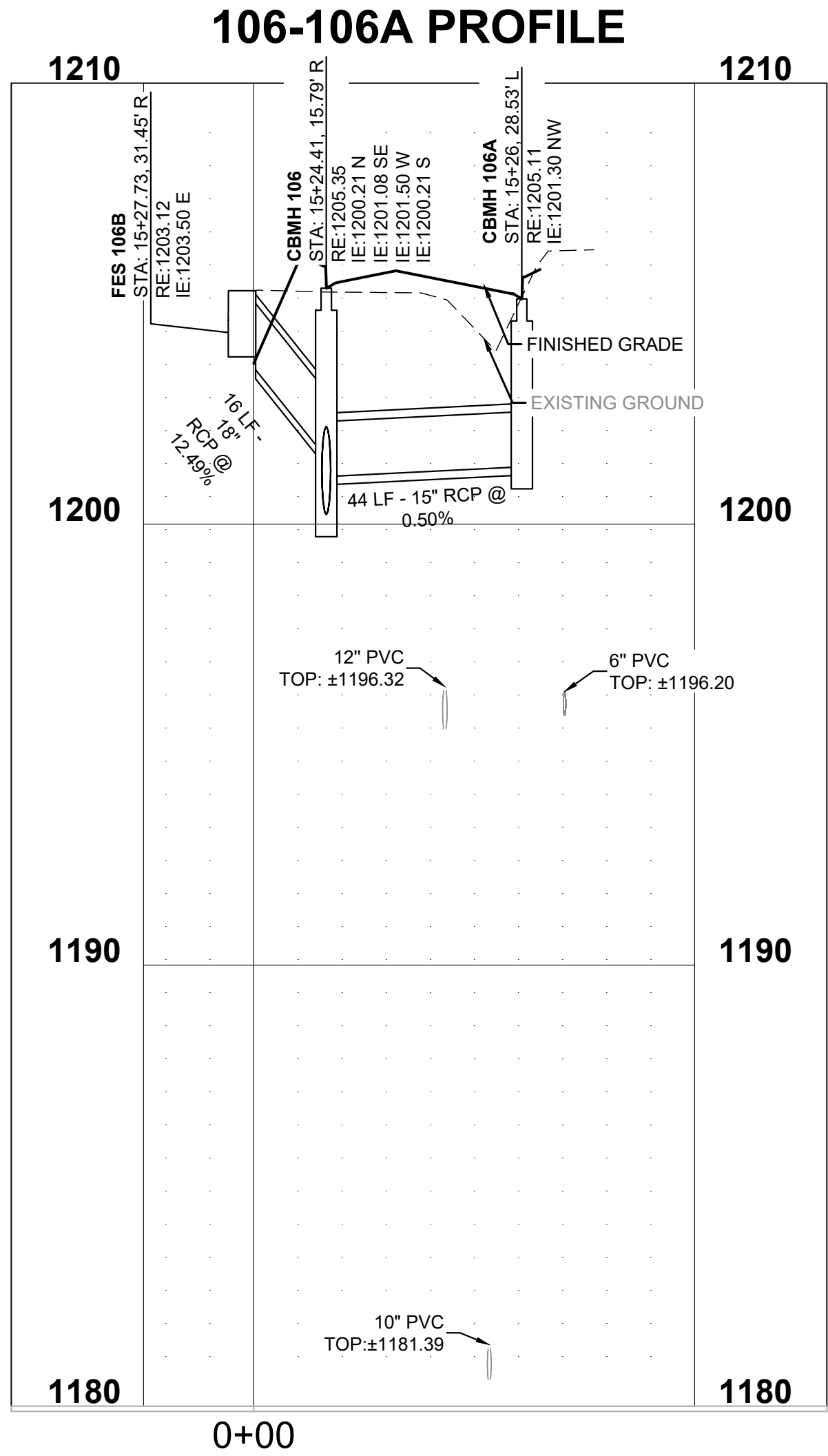
KHA PROJECT 160640027	DATE 06/21/2024	SCALE AS SHOWN	DESIGNED BY JTL	DRAWN BY JTL	CHECKED BY MJS
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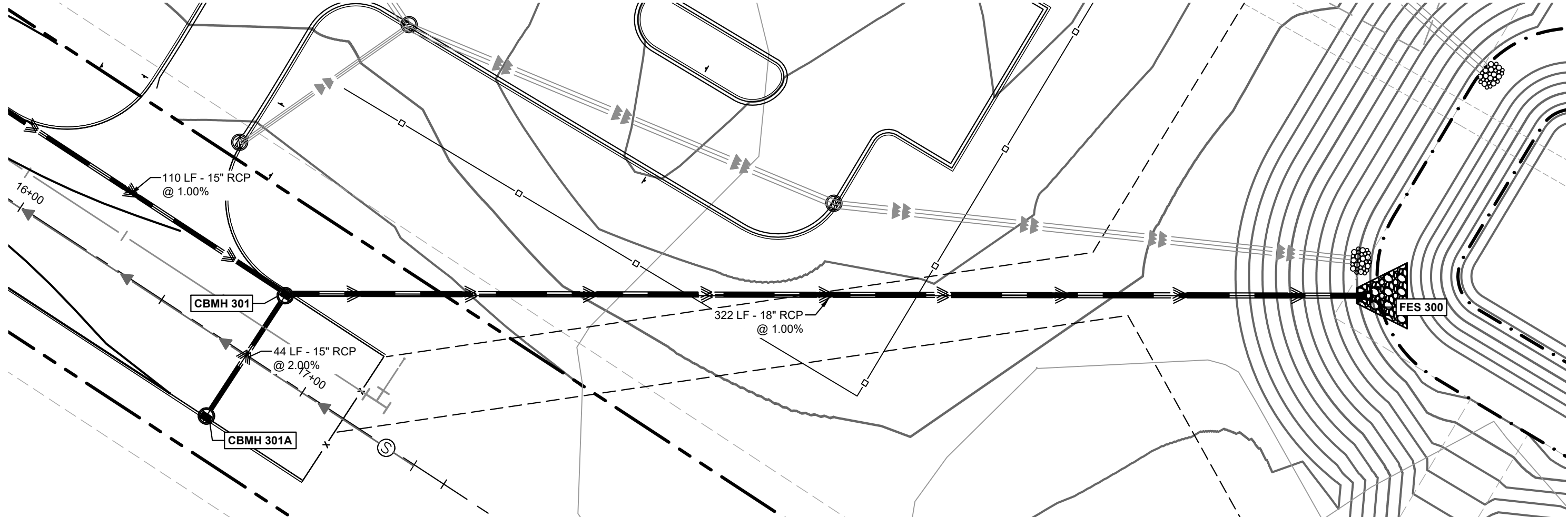
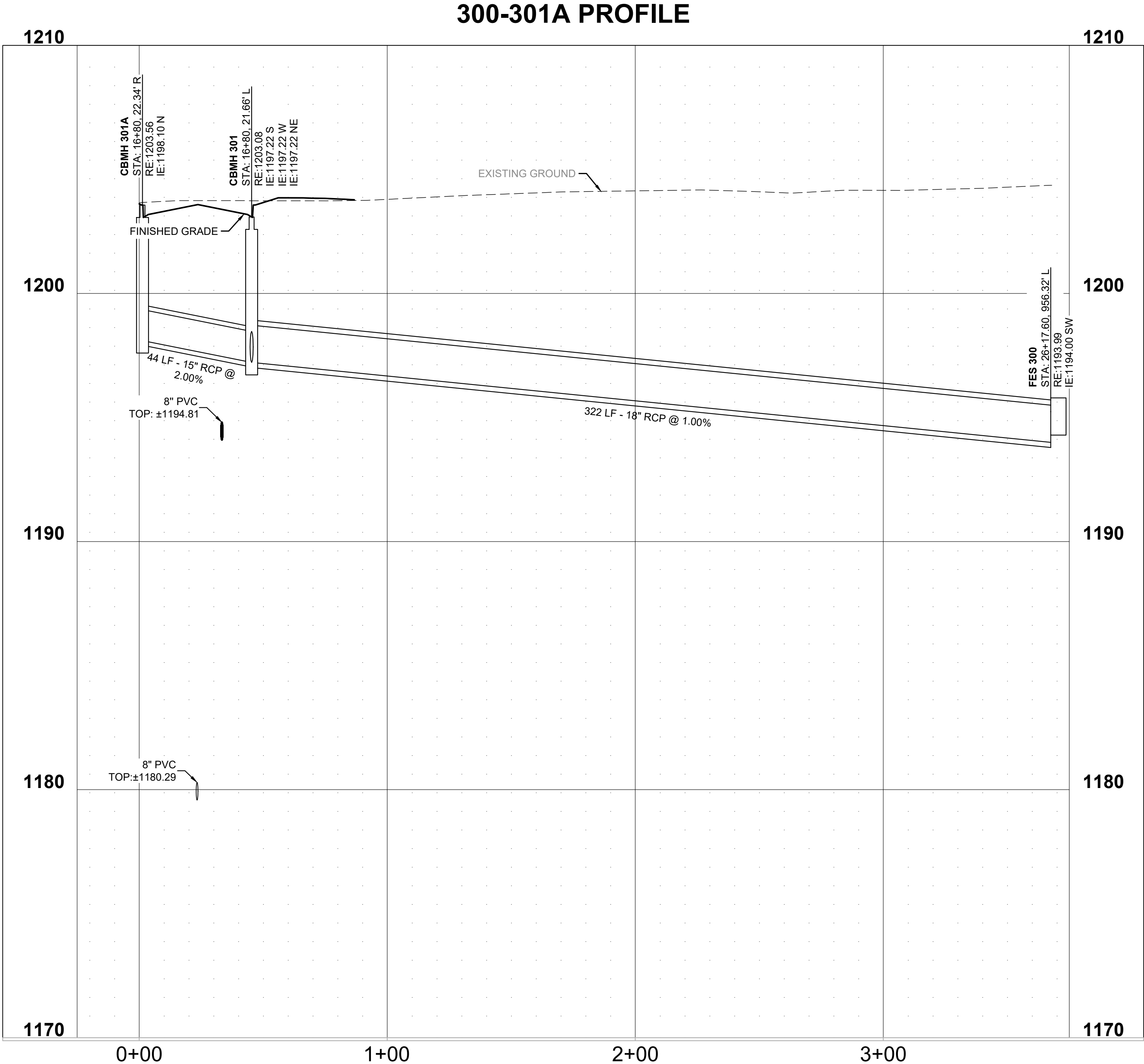
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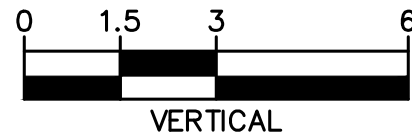
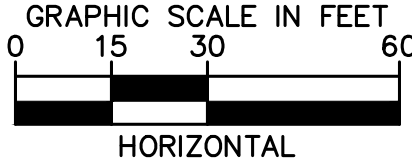
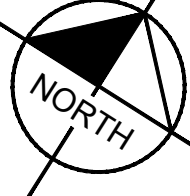
PROJECT TIMBER WOLF	PREPARED FOR RYAN COMPANIES US, INC.	MN	BAXTER	STORM SEWER LATERAL PROFILES		KHA PROJECT 160640027	KIMLEY-HORN & ASSOCIATES, INC. 767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE 651-445-4197 WWW.KIMLEY-HORN.COM		No.	REVISIONS	DATE	BY
				DATE 06/21/2024	SCALE AS SHOWN	DESIGNED BY CJW	DRAWN BY MJS	CHECKED BY JTL				
SHEET NUMBER C502												

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LEGEND

- | | |
|--|--|
| | PROPERTY LINE |
| | SETBACK LINE |
| | DRAINAGE AND UTILITY EASEMENT |
| | PROPOSED CURB AND GUTTER |
| | EXISTING CONTOUR |
| | PROPOSED CONTOUR |
| | PROPOSED STORM MANHOLE (SOLID CASTING) |
| | PROPOSED STORM MANHOLE/ CATCH BASIN (CURB INLET CASTING) |
| | PROPOSED FLARED END SECTION |
| | PROPOSED RIPRAP |
| | PROPOSED STORM SEWER |
| | STORM SEWER (BY OTHERS) |
| | STORM CATCH BASIN (BY OTHERS) |



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PROJECT TIMBER WOLF

PREPARED FOR

U.S. INC.

STORM SEWER LATERAL PROFILES

KHA PROJECT	DATE	AS SHOWN	CJW	MJS	IT
160640027	06/21/2024				
		SCALE	DESIGNED BY	DRAWN BY	CHECKED BY

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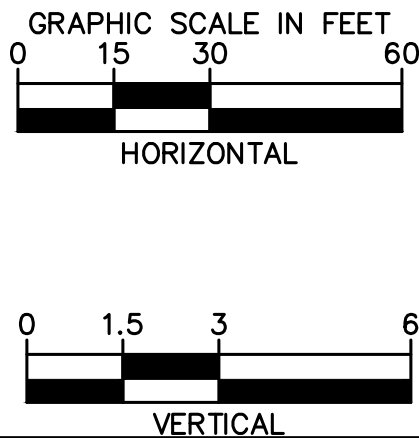
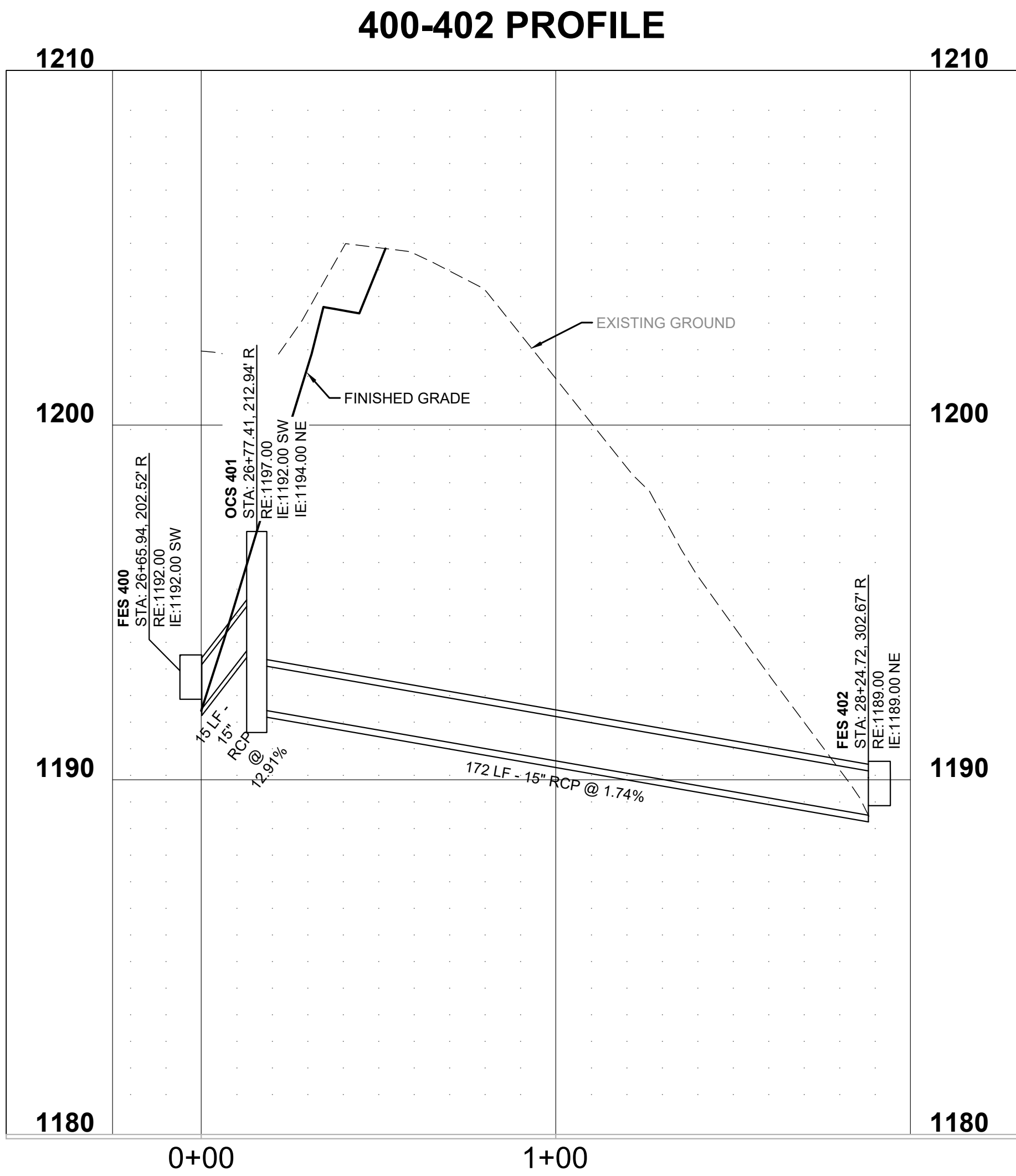
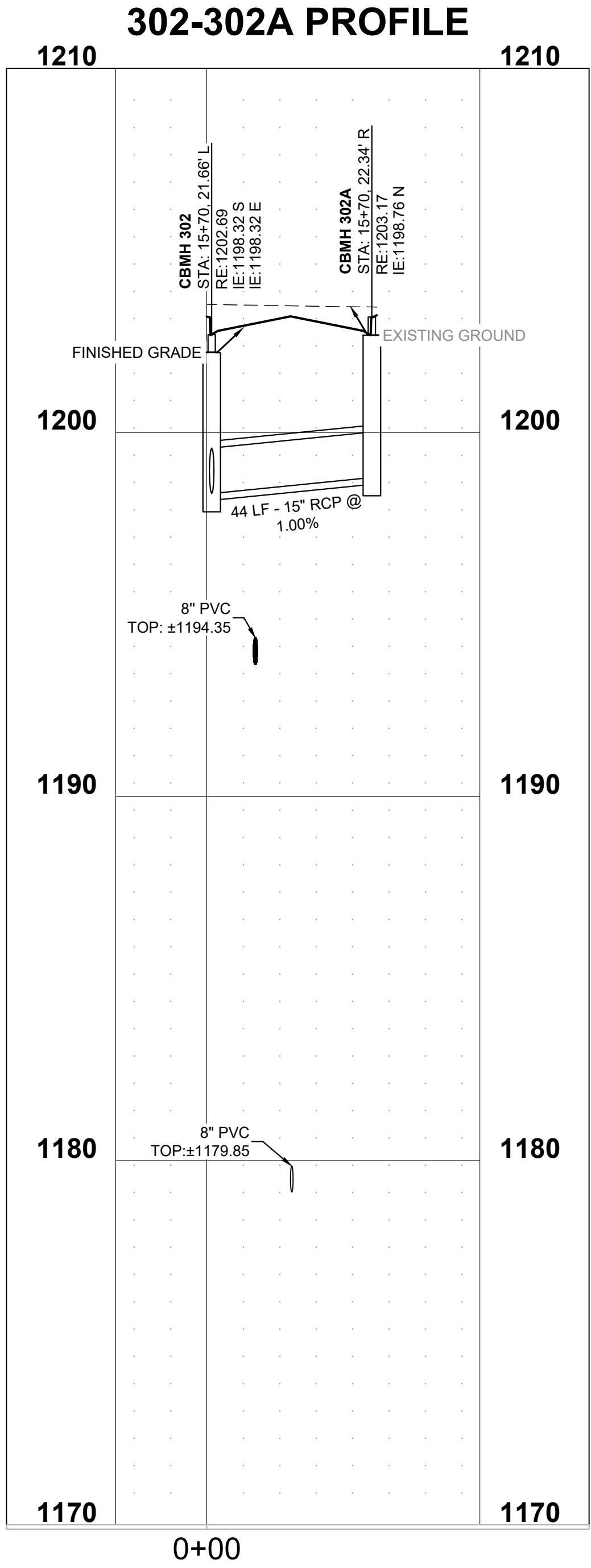

MATTHEW J. SORENSON

Kimley»»Horn

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PHONE: 651-645-4197

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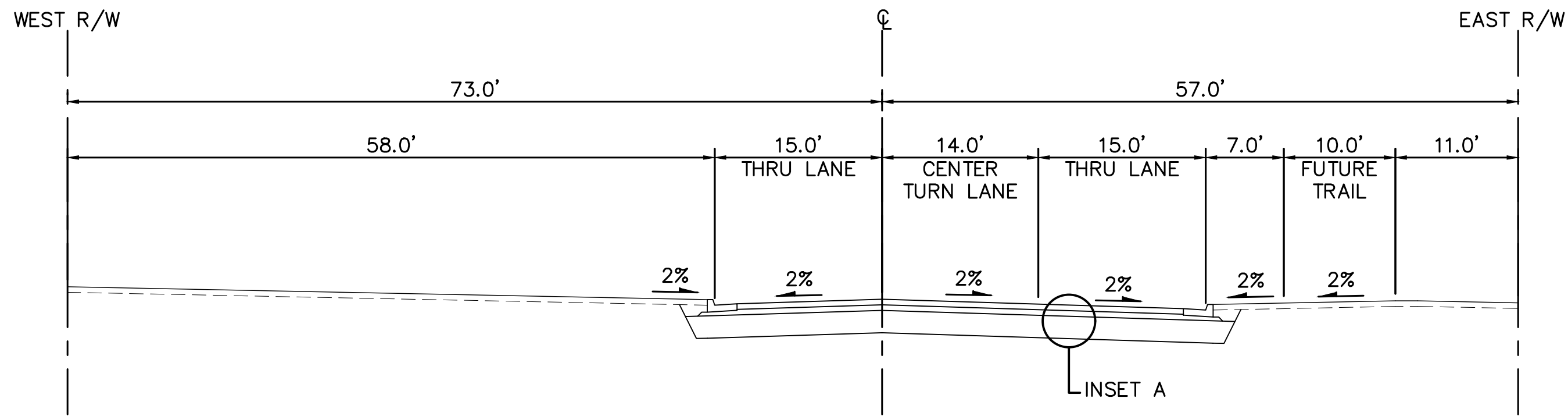
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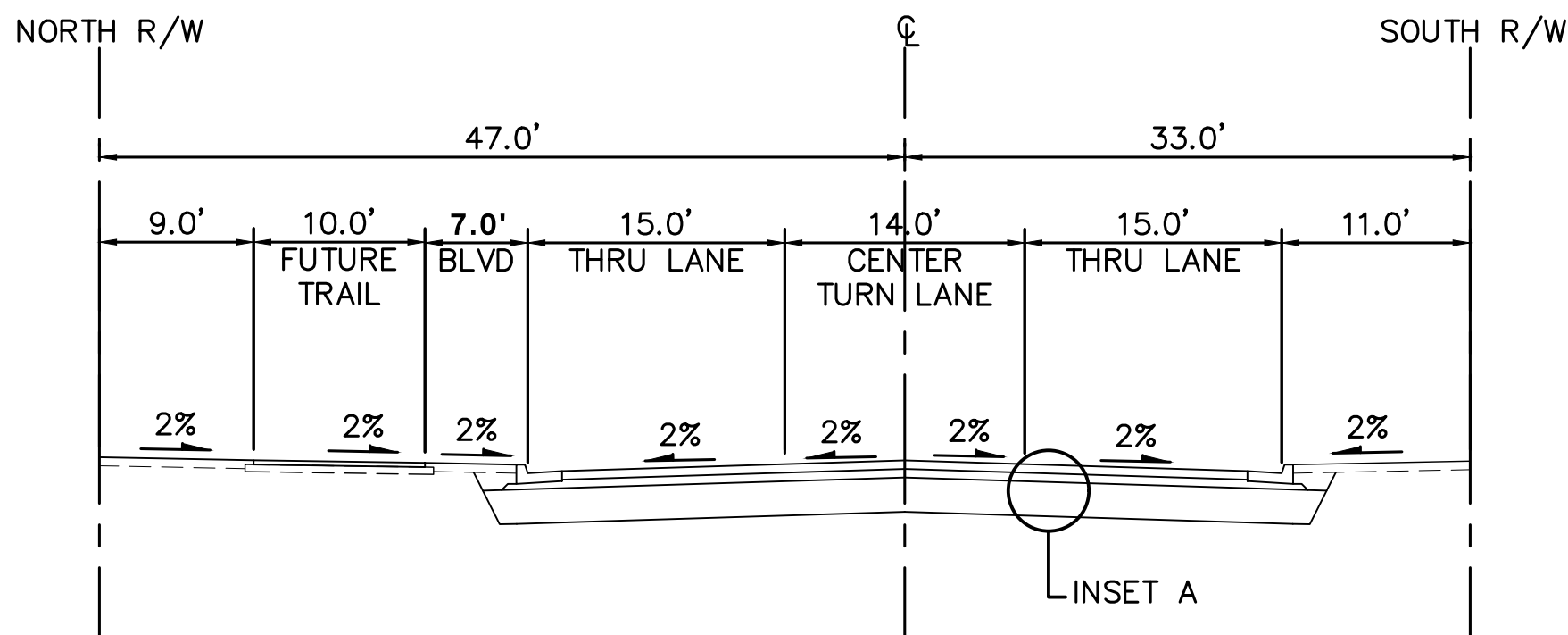
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PROJECT TIMBER WOLF	PREPARED FOR RYAN COMPANIES US, INC.	SHEET NUMBER C504	BAXTER	MN	STORM SEWER LATERAL PROFILES	KHA PROJECT 160640027 DATE 06/21/2024 SCALE AS SHOWN DESIGNED BY CJW DRAWN BY MJS CHECKED BY JTL	I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly licensed professional engineer or professional architect under the laws of the state of Minnesota. Matthew J. Sorenson MATTHEW J. SORENSON DATE: 06/21/2024 MN LIC. NO. 59721		© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 787 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE: 651-445-4197 WWW.KIMLEY-HORN.COM	No.	REVISIONS	DATE	BY

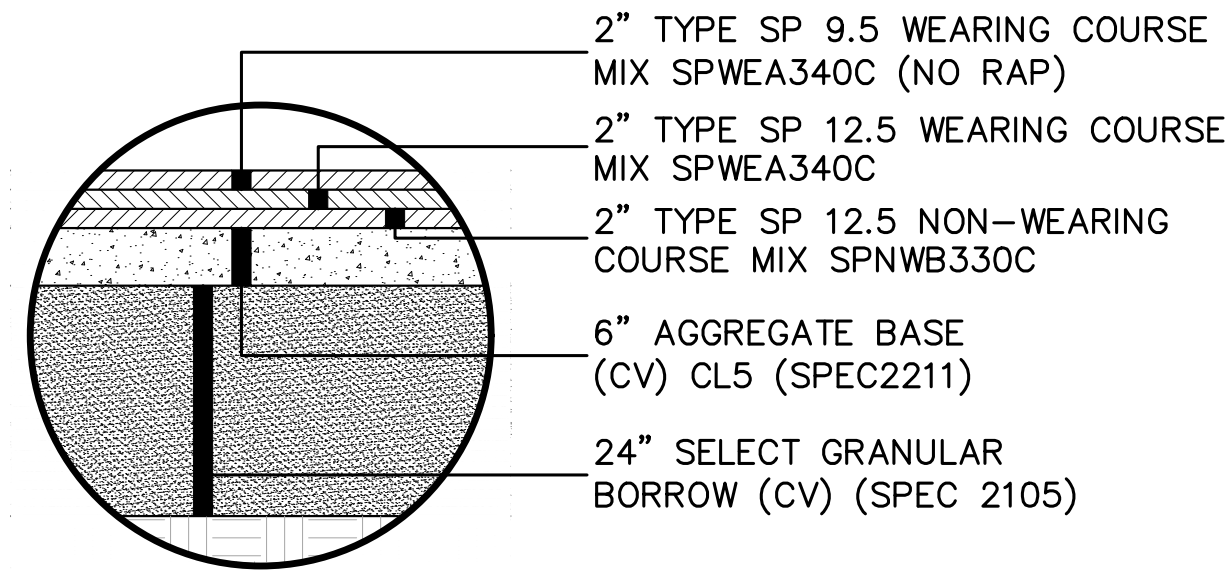
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PROPOSED ROADWAY SECTION
TIMBERWOOD DRIVE



PROPOSED ROADWAY SECTION
JANESVILLE ROAD



INSET A: PAVEMENT SECTION

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PROJECT **TIMBER
WOLF**
PREPARED FOR
**RYAN COMPANIES
US, INC.**

**TYPICAL
SECTIONS**

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 in the State of Minnesota.

Matthew J. Sorenson
MATTHEW J. SORENSON
DATE: 06/21/2024 LIC. NO. 59721

KHA PROJECT
160640027
DATE
06/21/2024
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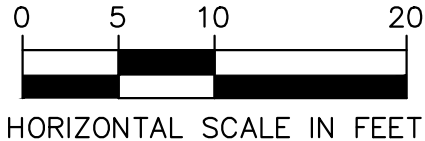
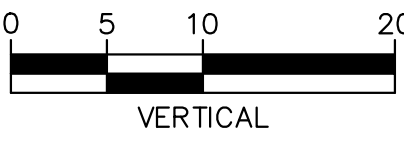
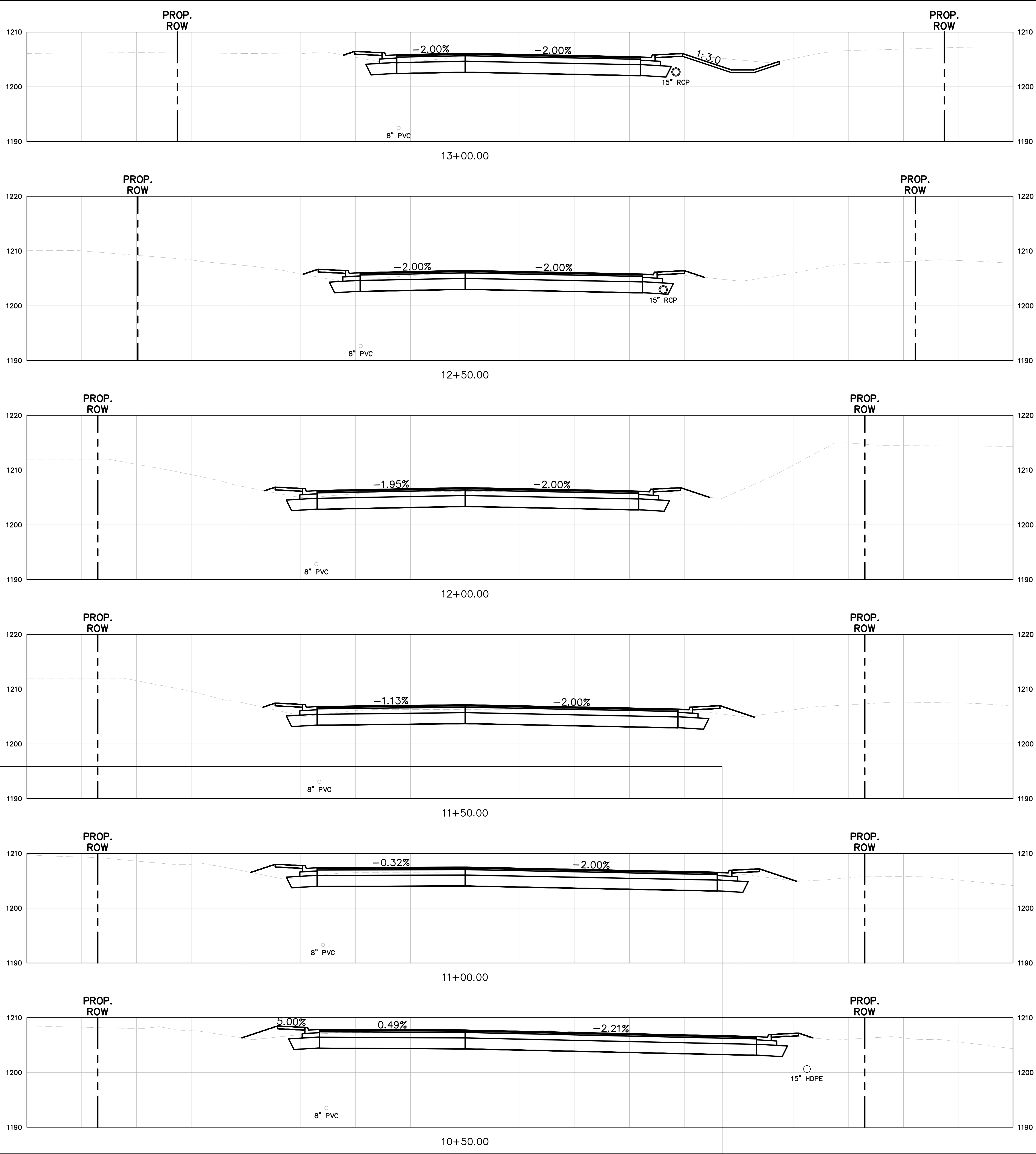
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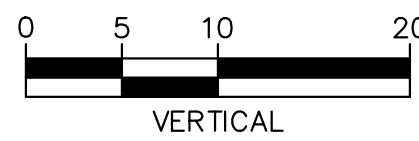
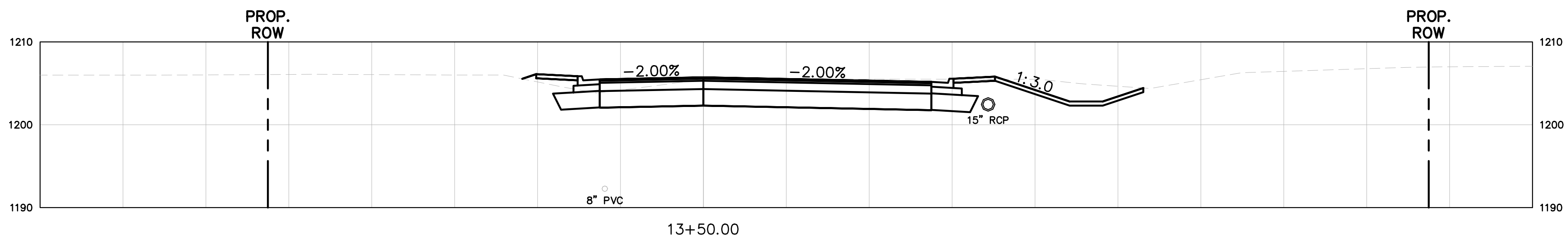
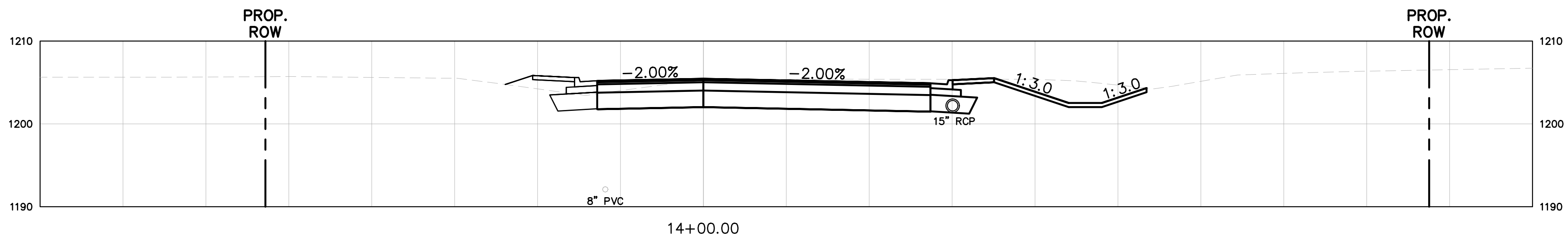
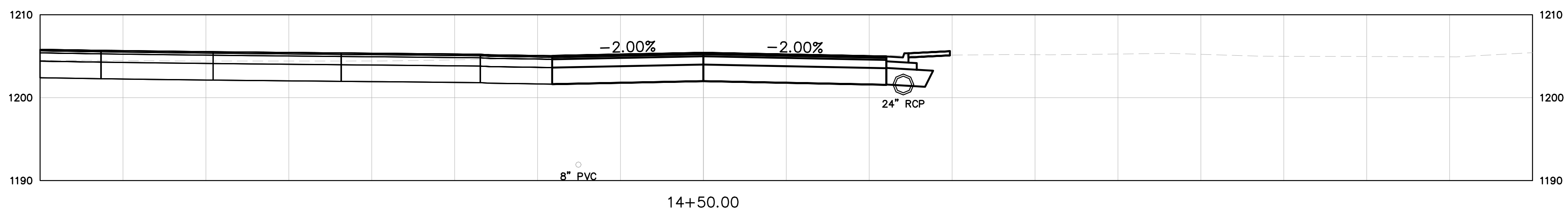
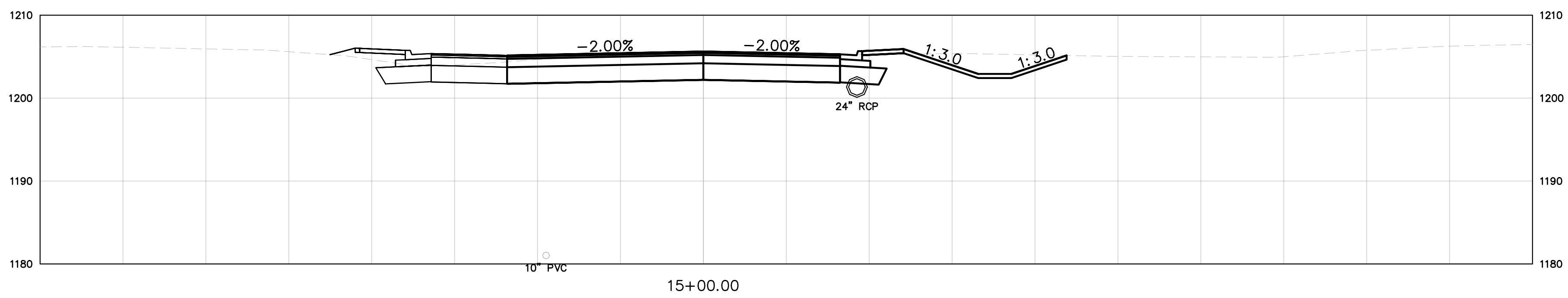
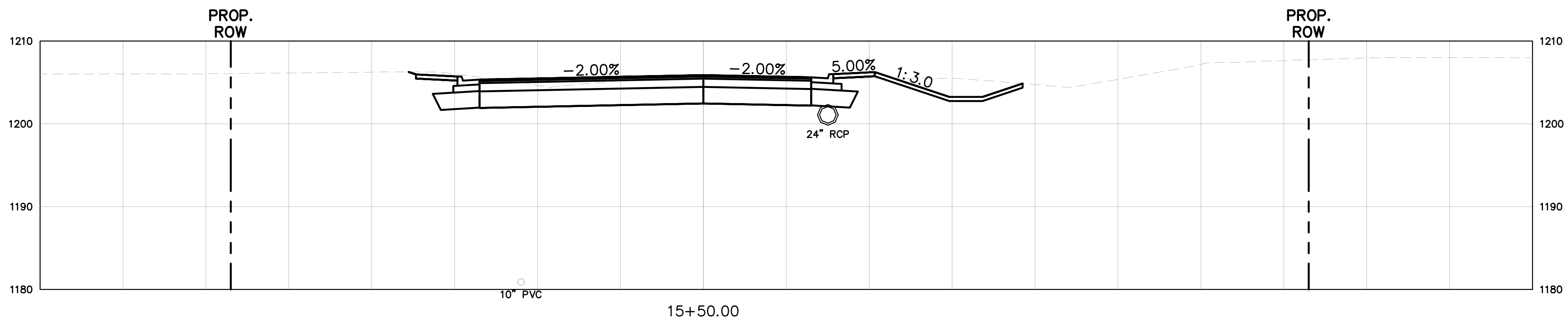
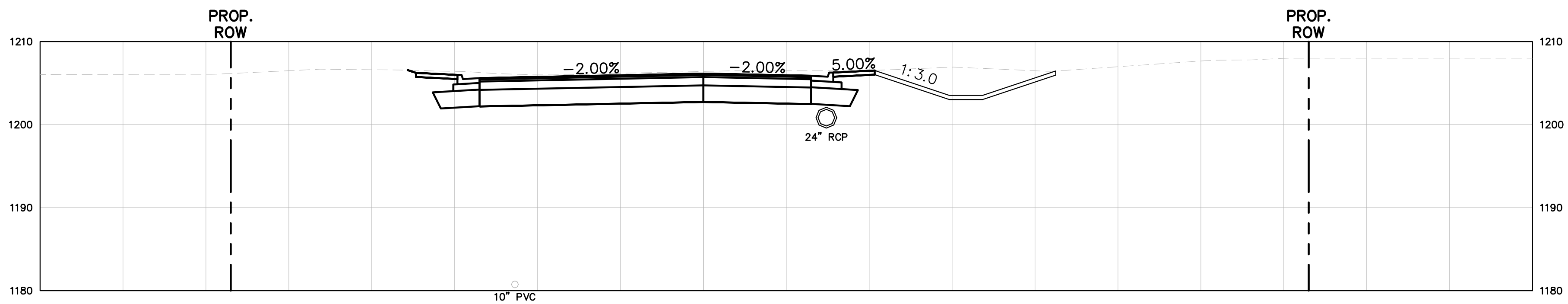


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PROJECT TIMBER WOLF PREPARED FOR RYAN COMPANIES US, INC.	SHEET NUMBER C601	BAXTER	TIMBERWOOD DRIVE CROSS SECTIONS	KHA PROJECT 160640027 DATE 06/21/2024 SCALE ##### DESIGNED BY CJW DRAWN BY MJS CHECKED BY JTL	LICENSED PROFESSIONAL ENGINEER MATTHEW J. SORENSON DATE 06/21/2024 LIC. NO. 12345 MN	Kimley»Horn 2024 KIMLEY-HORN AND ASSOCIATES, INC. 767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE 651-445-4197 WWW.KIMLEY-HORN.COM	No.	REVISIONS		BY
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IN COMPANIES
IS INC

BAXTER

TIMBERWOOD DRIVE CROSS SECTIONS

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MATTHEW J. SORENSON

DATE: 06/21/2024 MN LIC. NO. 12345

KHA PROJECT
160640037

1000400Z1	DATE
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06/21/2024

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DESIGNED BY	CJW
DRAWN BY	MJS

HECKED BY	JTL
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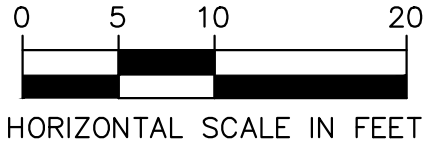
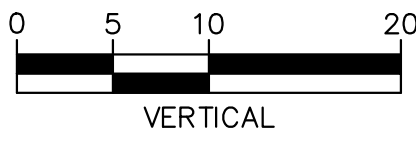
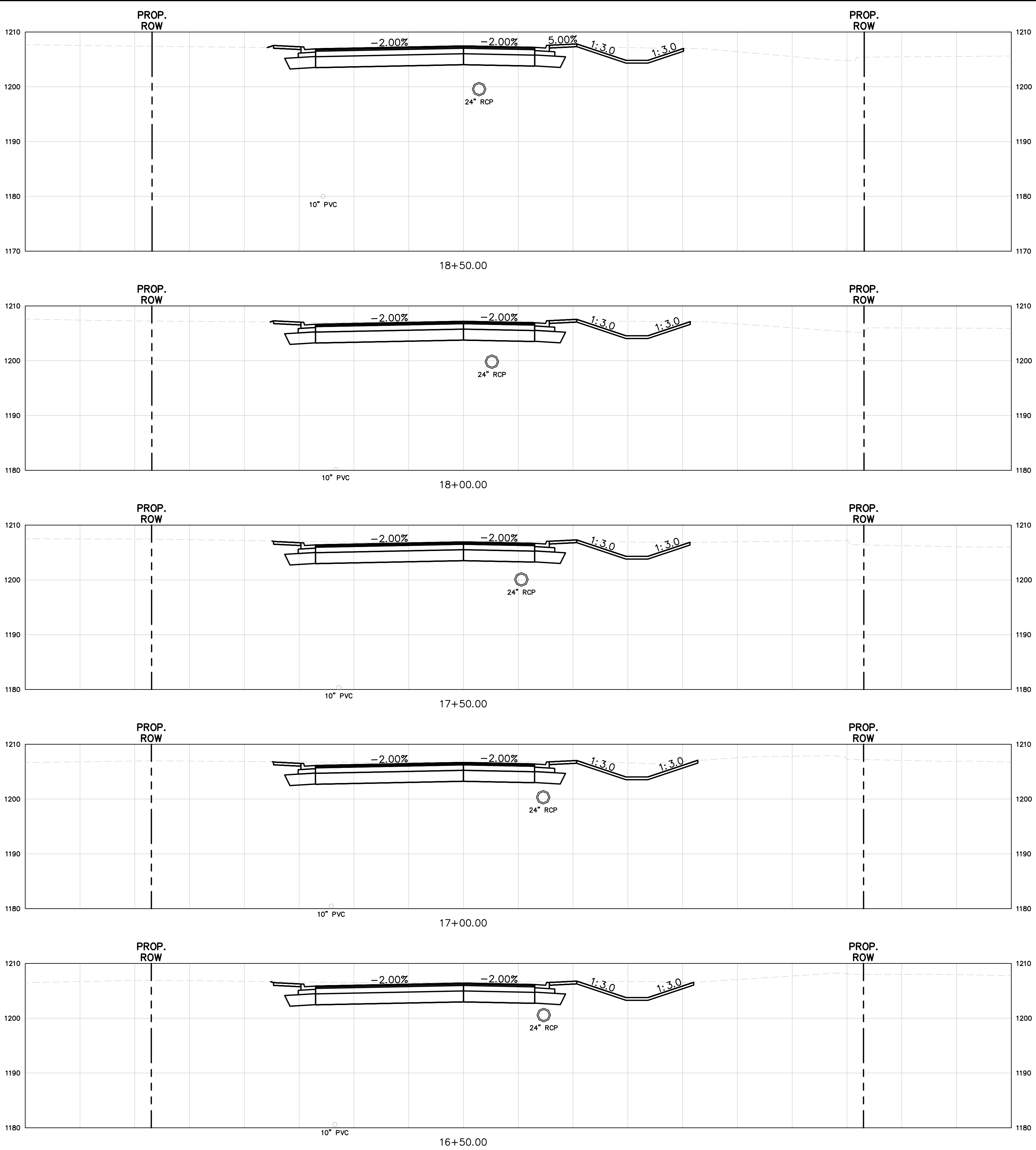
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MATTHEW J. SORENSON

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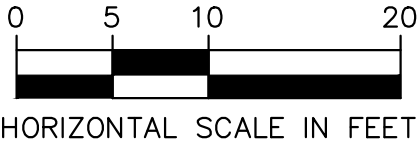
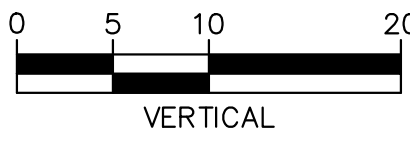
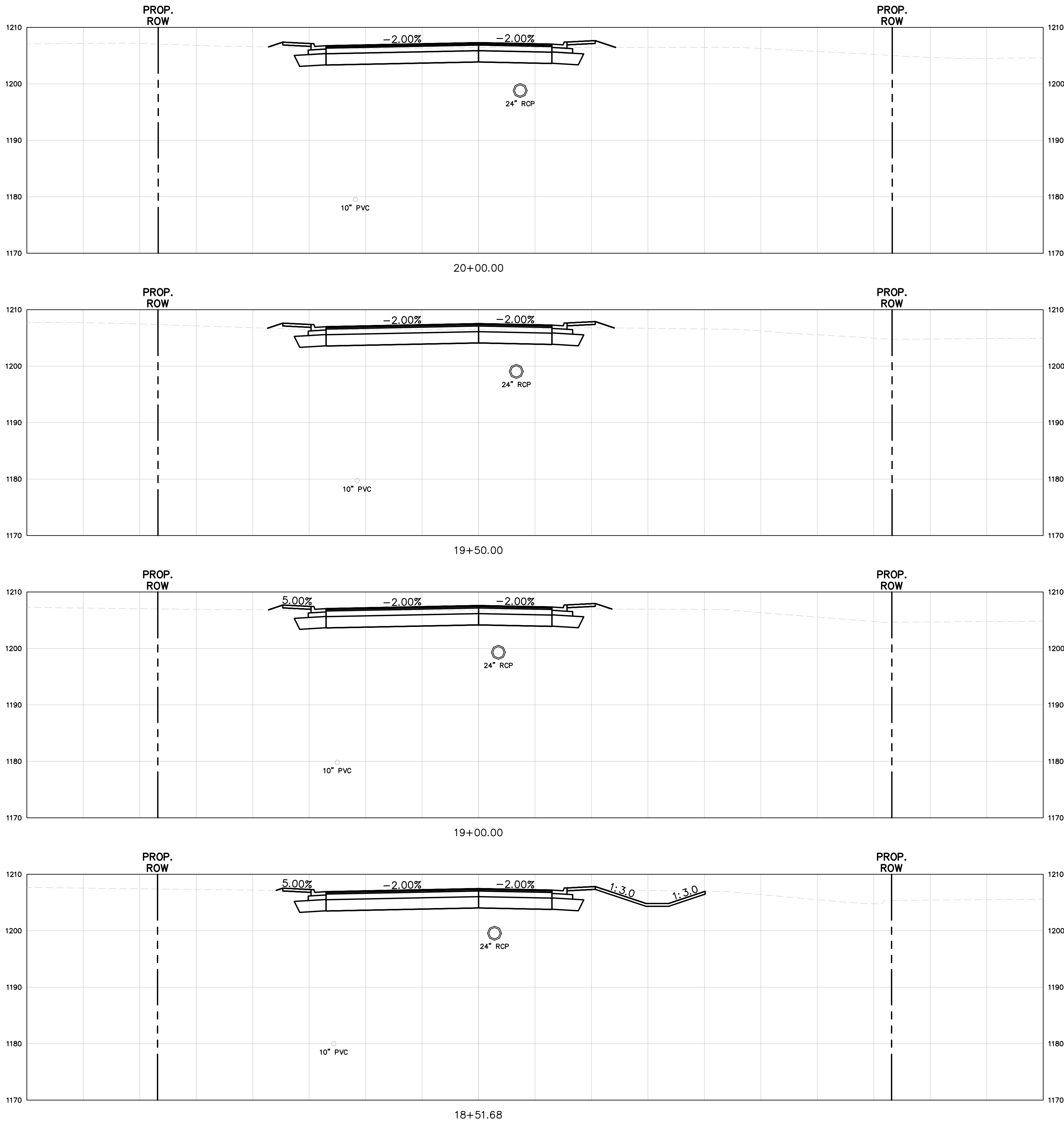
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BAYER

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DATE: 06/21/2024 MN LIC. NO. 12345

KHA PROJECT
160640027

DATE 06/21/2024

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SIGNED BY	CJW
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AWN BY	MJS
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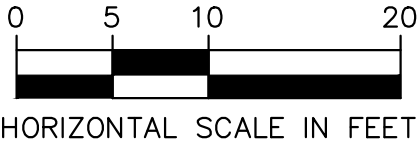
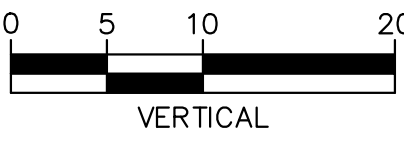
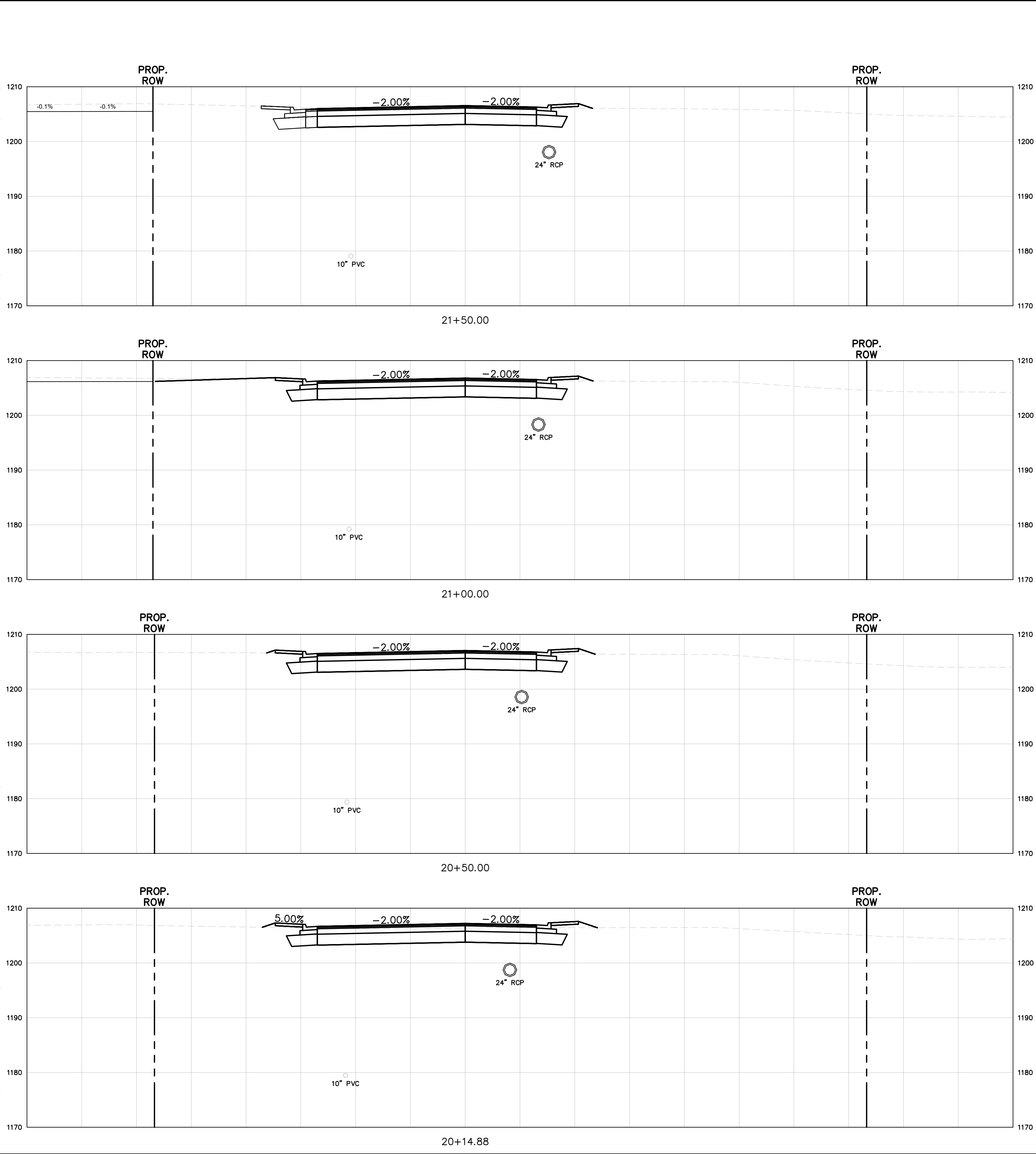
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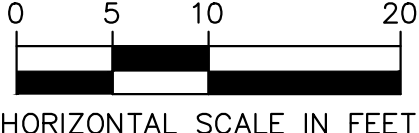
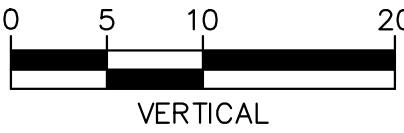
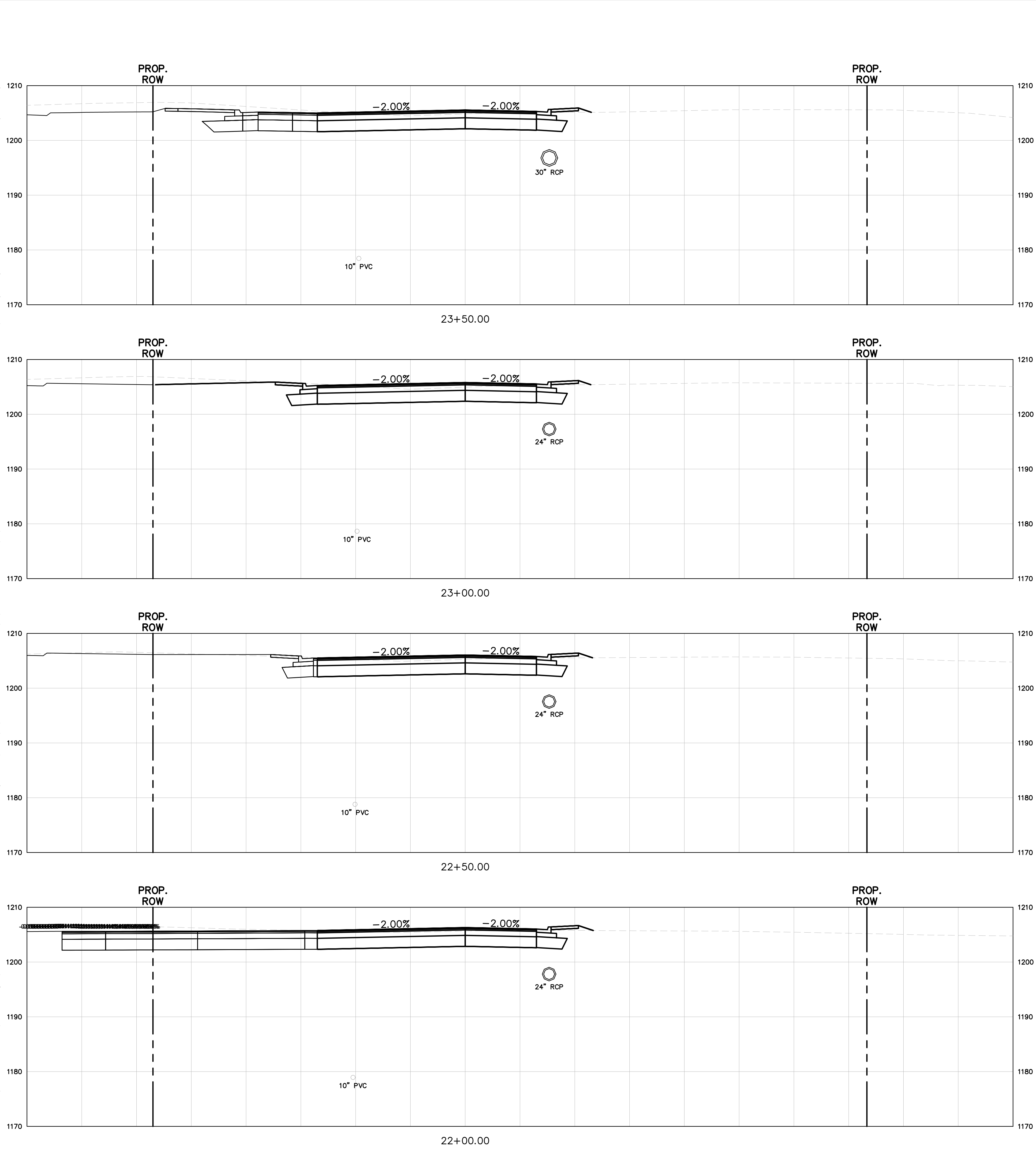


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PROJECT TIMBERWOOD DRIVE CROSS SECTIONS	PROJECT TIMBER WOLF PREPARED FOR RYAN COMPANIES US, INC.	SHEET NUMBER C605	BAXTER	MINN	KHA PROJECT 160640027 DATE 06/21/2024 SCALE ##### DESIGNED BY CJW DRAWN BY MJS CHECKED BY JTL	LICENSED PROFESSIONAL ENGINEER 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. Matthew J. Sorenson DATE: 06/21/2024 MN LIC. NO. 12345	Kimley»Horn 2024 KIMLEY-HORN AND ASSOCIATES, INC. 767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE: 651-445-4197 WWW.KIMLEY-HORN.COM	No.	REVISIONS	DATE	BY

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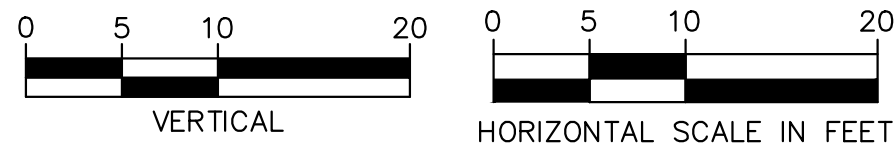
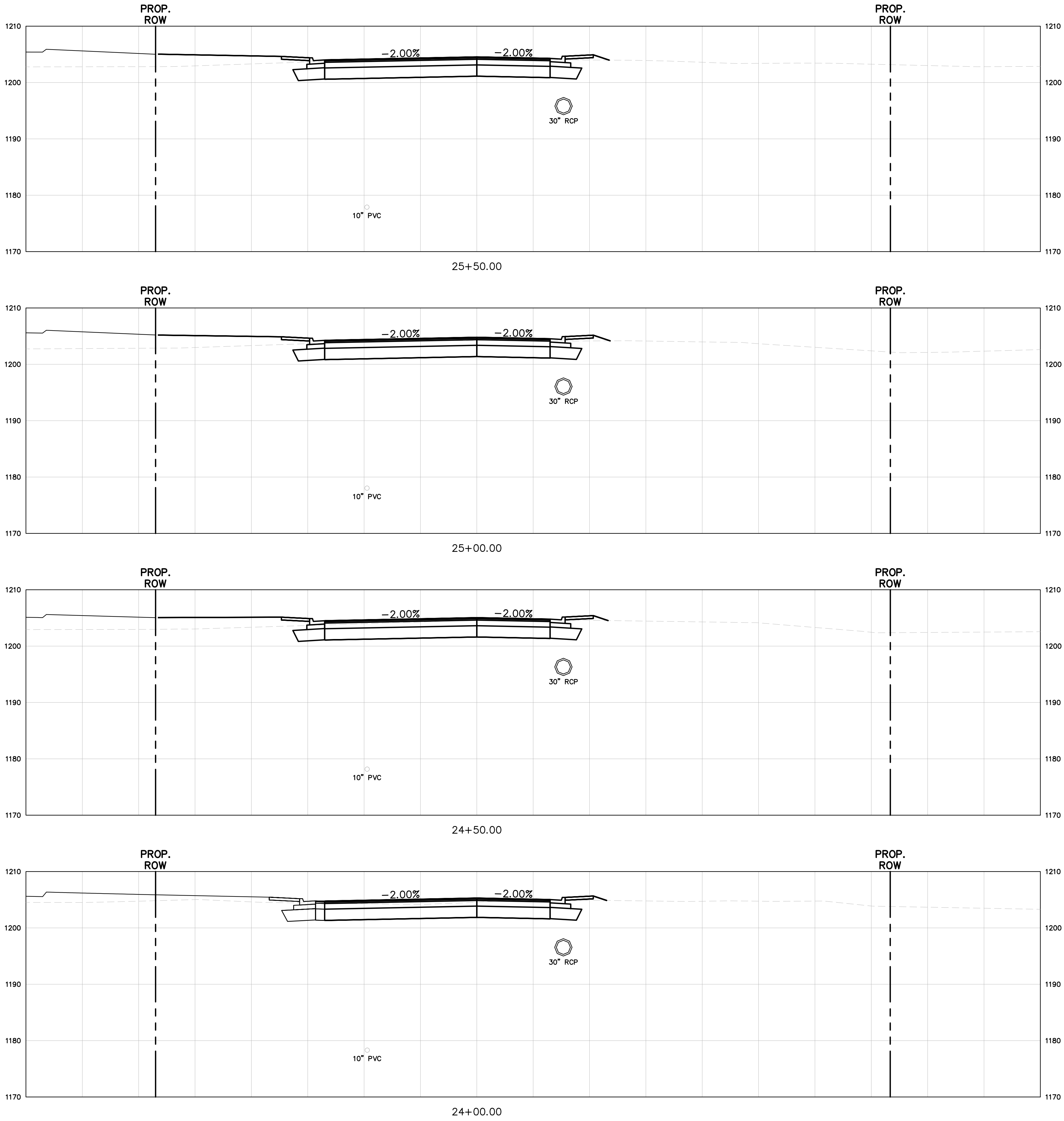
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PROJECT TIMBER WOLF PREPARED FOR RYAN COMPANIES US, INC.	TIMBERWOOD DRIVE CROSS SECTIONS	KHA PROJECT 160640027 DATE 06/21/2024 SCALE ##### DESIGNED BY CJW DRAWN BY MJS CHECKED BY JTL	LICENSED PROFESSIONAL ENGINEER MATTHEW J. SORENSON DATE: 06/21/2024 LIC. NO. 12345 MINN.	Kimley»Horn 2024 KIMLEY-HORN AND ASSOCIATES, INC. 767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE: 651-445-4197 WWW.KIMLEY-HORN.COM	06	REVISIONS		BY
						No.	DATE	
SHEET NUMBER C606								

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PROJECT TIMBER

WOLF

PREPARED FOR

**COMPANY
US, INC.**

BAXTER

TIMBERWOOD DRIVE CROSS SECTIONS

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.

Mr. L.

MATTHEW J. SORENSON

DATE: 06/21/2024 MN LIC. NO. 12345

KHA PROJECT 160640027
DATE 06/21/2024
SCALE #####
DESIGNED BY CJW
DRAWN BY MJS
CHECKED BY JTL

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767 ELLISTIS STREET SUITE 100 ST PAUL MN 55114

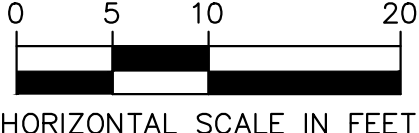
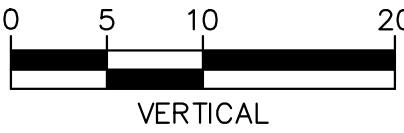
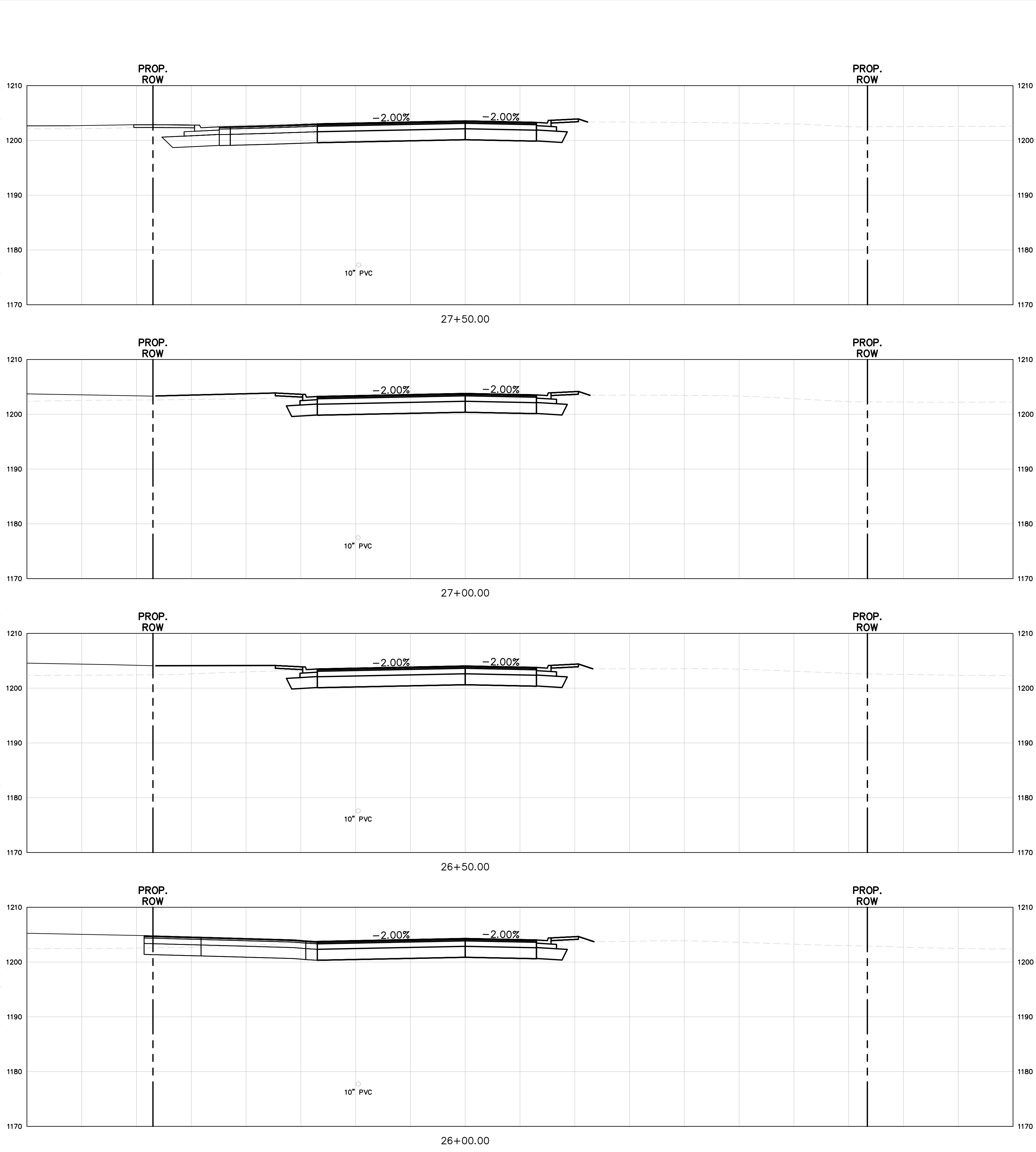
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PROJECT **TIMBERWOOD**

WOLF

PREPARED FOR

RYAN COMPANIES

US, INC.

BAXTER

MN

TIMBERWOOD

DRIVE CROSS

SECTIONS

KHA PROJECT	160640027
DATE	06/21/2024
SCALE	#####
DESIGNED BY	CJW
DRAWN BY	MJS
CHECKED BY	JTL

I, **MATTHEW J. SORENSON**,
STATE OF MINNESOTA, 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.

Matthew J. Sorenson
MATTHEW J. SORENSON
DATE: 06/21/2024 LIC. NO. 12345

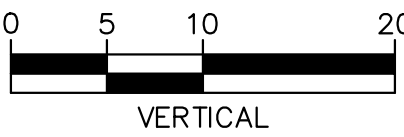
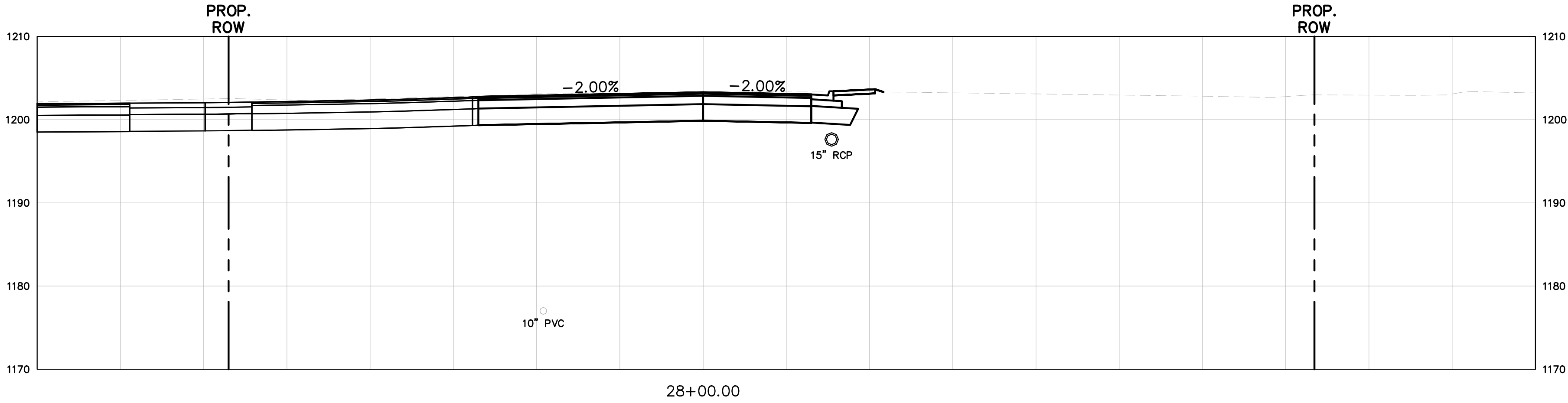
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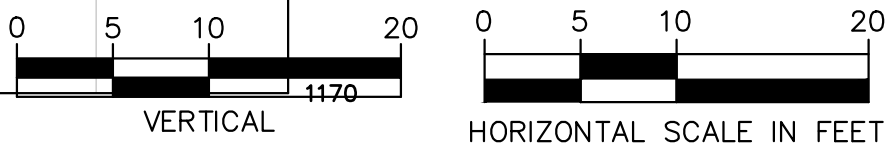
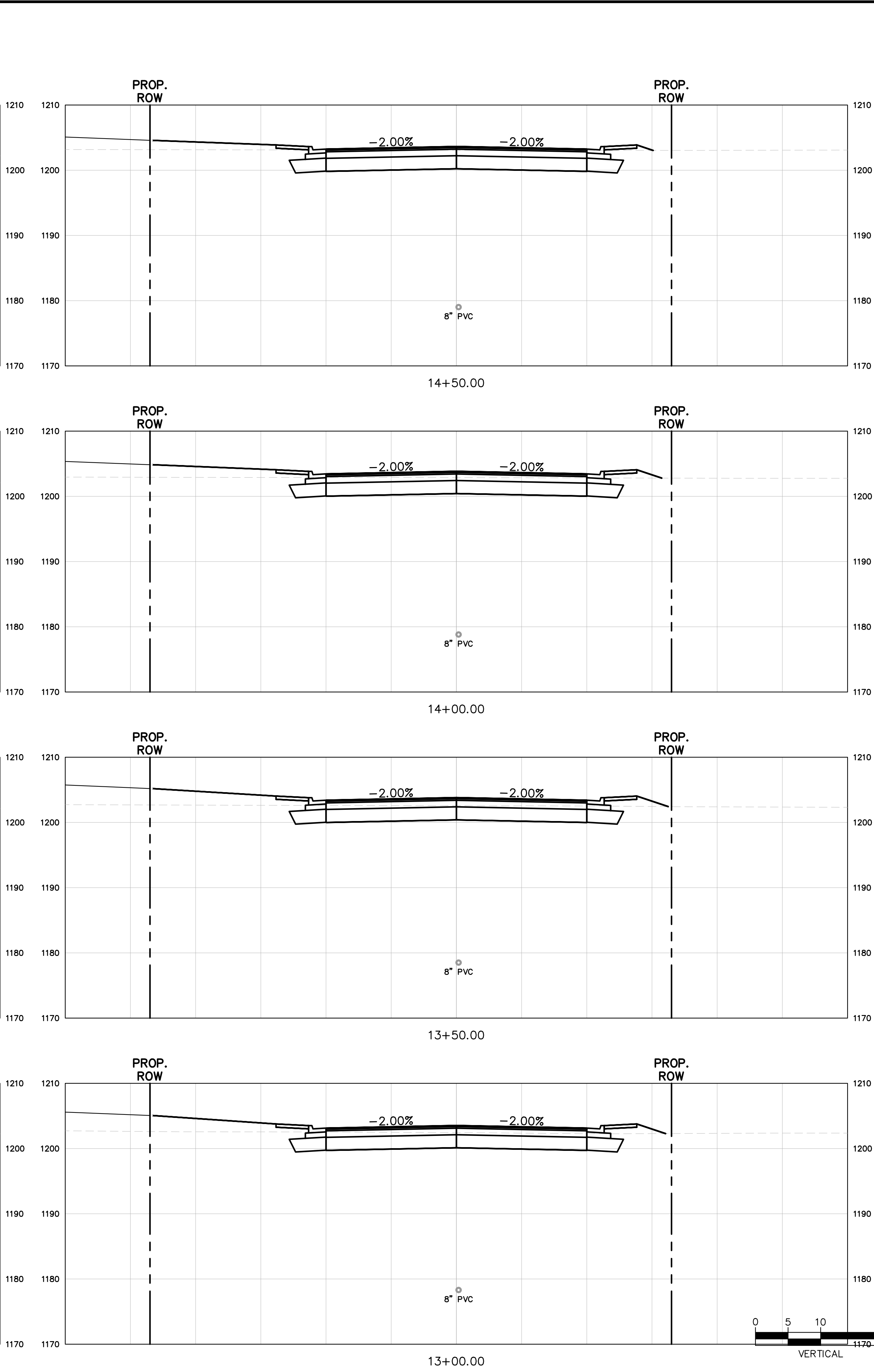
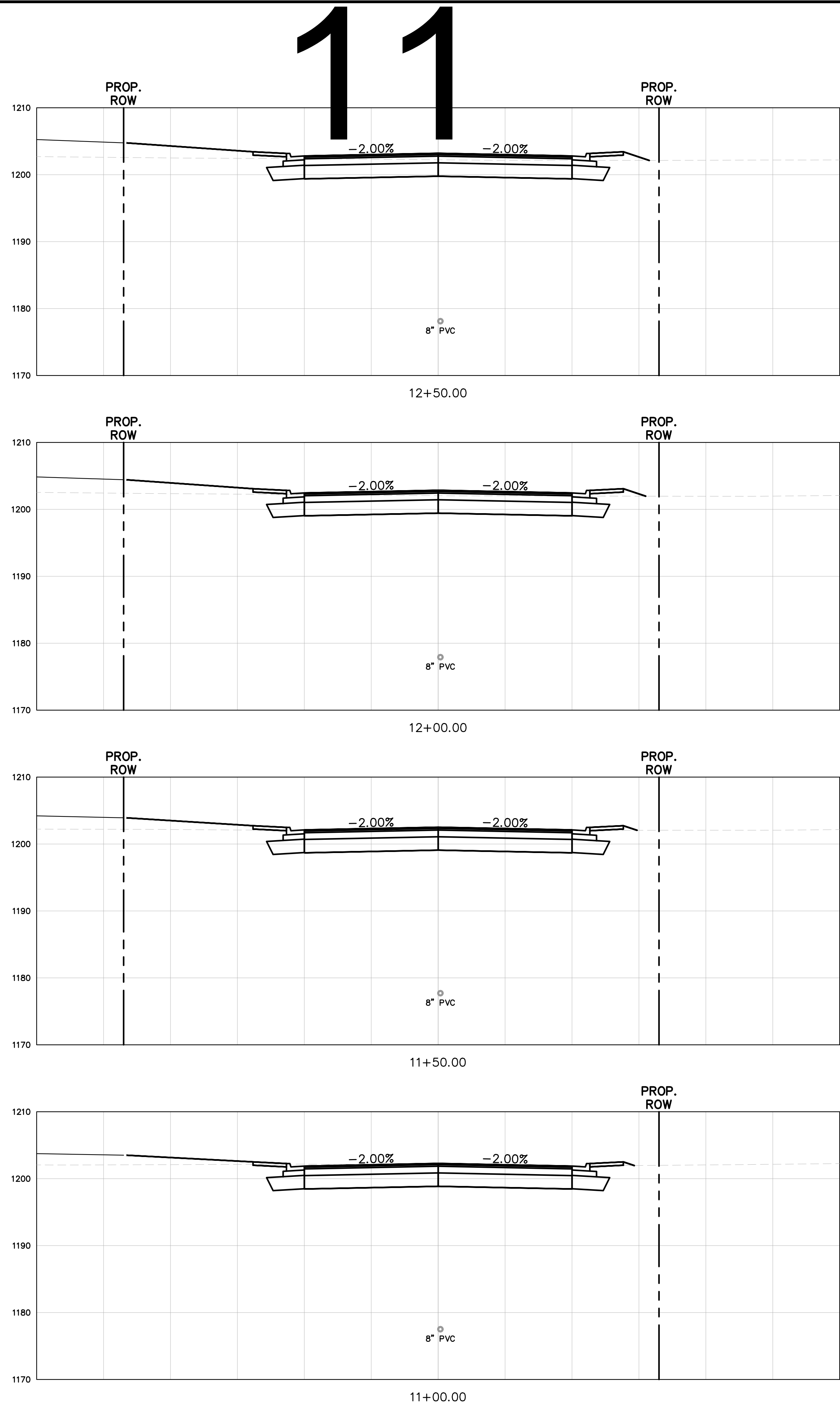


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PROJECT TIMBER WOLF PREPARED FOR RYAN COMPANIES US, INC.	TIMBERWOOD DRIVE CROSS SECTIONS	KHA PROJECT 160640027 DATE 06/21/2024 SCALE ##### DESIGNED BY CJW DRAWN BY MJS CHECKED BY JTL	LICENSED CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. MATTHEW J. SORENSON DATE: 06/21/2024 MN LIC. NO. 12345	Kimley»Horn 2024 KIMLEY-HORN AND ASSOCIATES, INC. 767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE 651-445-4197 WWW.KIMLEY-HORN.COM	No.	REVISION	DATE	BY

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PROJECT TIMBER

WOLF

PREPARED FOR
DYLAN COMPANIES

**COMPANY
US, INC.**

MAN

**JANESVILLE ROAD
CROSS SECTIONS**

KHA PROJECT
160640027

DATE _____

06/04/2024
DATE

06/21/2024

SCALE #####

DESIGNED BY C I W

ASCO 157710107

RAWN BY MJS

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

Mr. L.

ATTHEW J. SORENSON

Kimley»»Horn

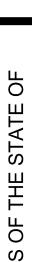
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7607 ELIOTIC STREET SUITE 400 CT DALL MN 55444

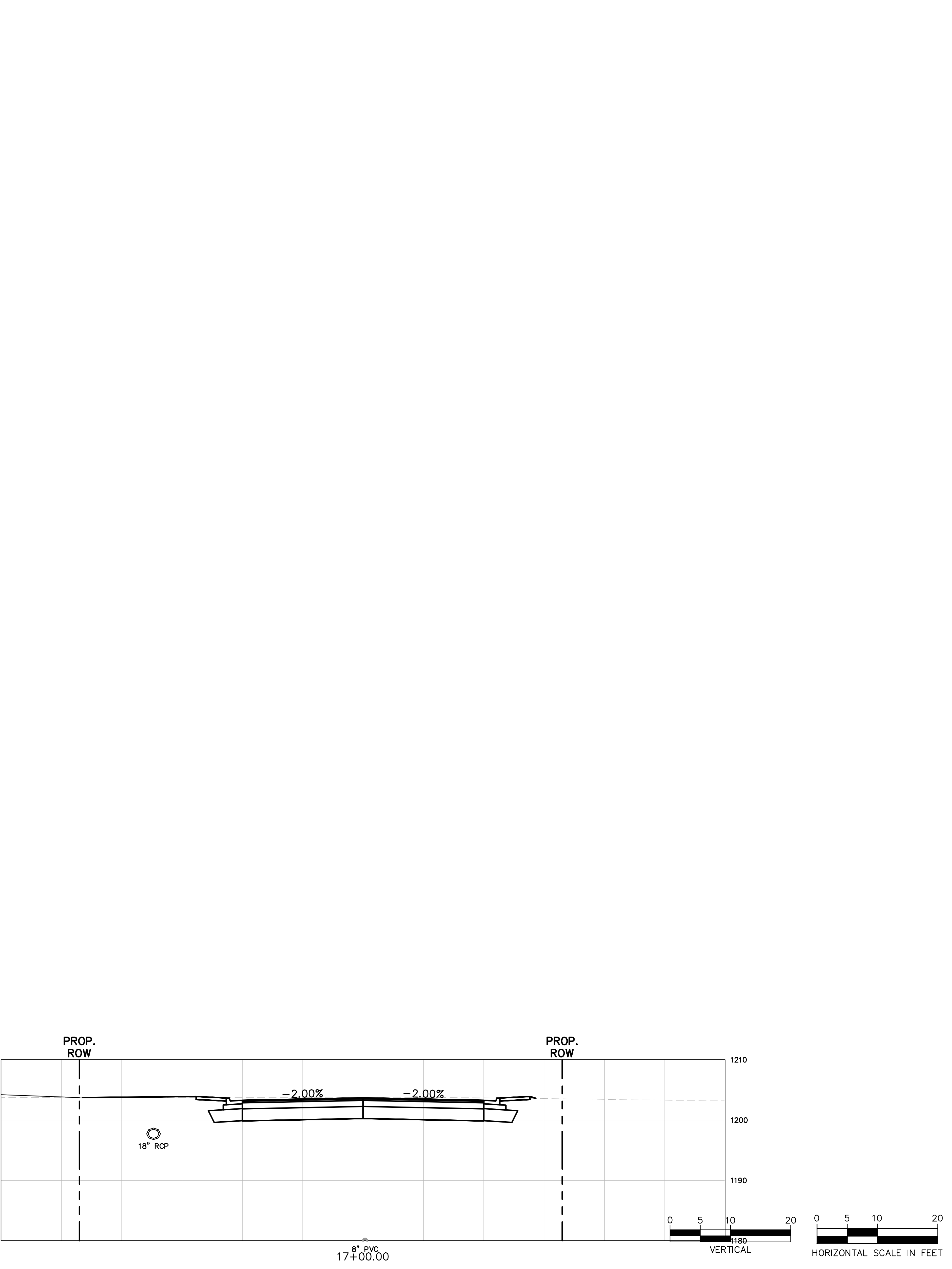
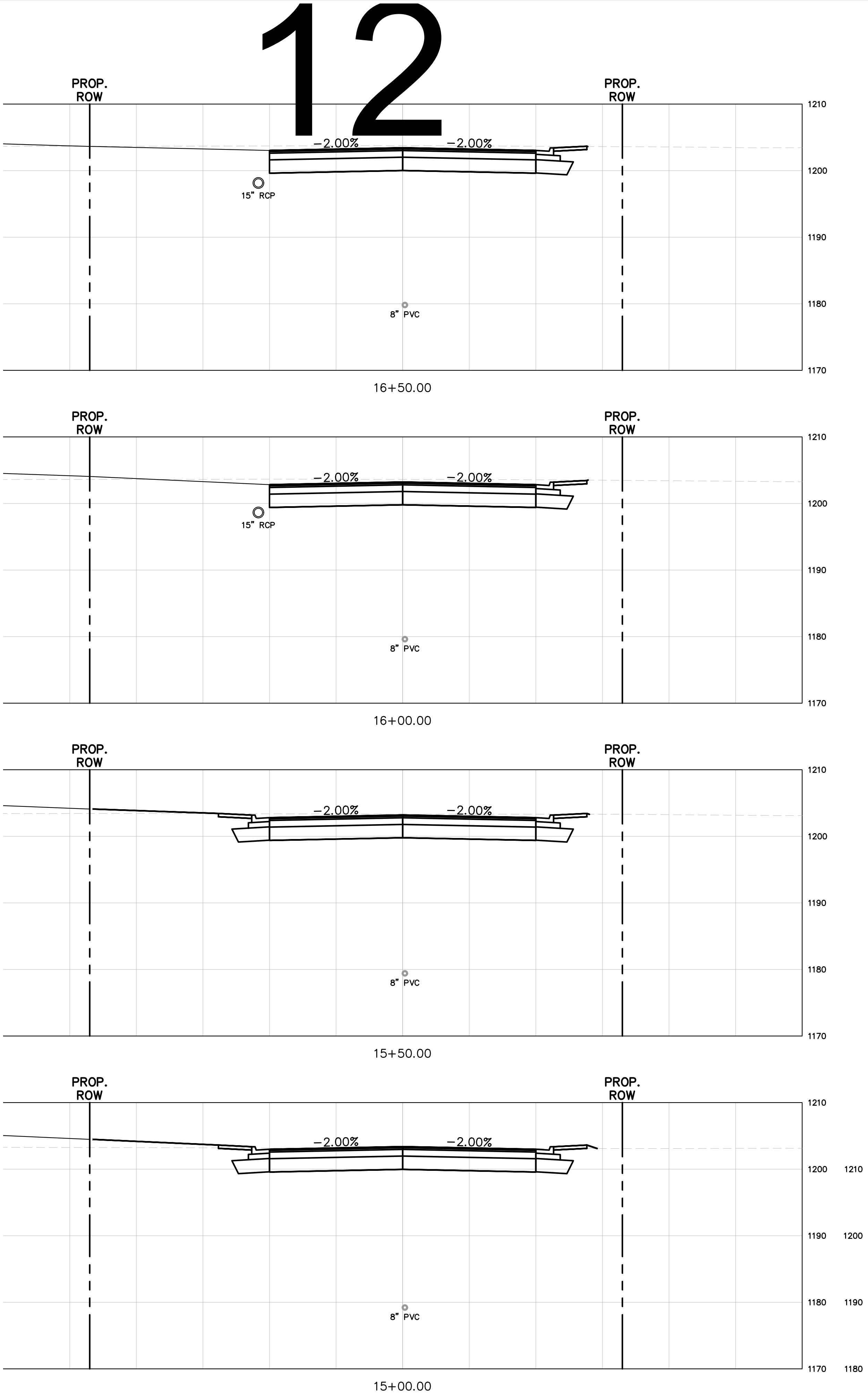
STREET, SUITE 100, ST. PAUL

PHONE: 651-645-4197

[illegible]

SHEET NUMBER C610		PROJECT TIMBER WOLF PREPARED FOR RYAN COMPANIES US, INC.		MINN	
BAXTER		JANESVILLE ROAD CROSS SECTIONS			
SCALE #####		KHA PROJECT 160640027			
DESIGNED BY CJW		DATE 06/21/2024			
DRAWN BY MJS		I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.			
CHECKED BY JTL					
		MATTHEW J. SORENSON MIN LIC. NO. 12345			
		DATE 06/21/2024			
		2024 KIMLEY-HORN AND ASSOCIATES, INC. 767 EUSTIS STREET, SUITE 100, ST. PAUL, MN 55114 PHONE: 651-454-1917 WWW.KIMLEY-HORN.COM			
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WOLF
PREPARED FOR
RYAN COMPANIES
US, INC.

BAXTER

JANESVILLE ROAD
CROSS SECTIONS

MN

KHA PROJECT
160640027

DATE
06/21/2024

SCALE
#####

DESIGNED BY
CJW

DRAWN BY
MJS

CHECKED BY
JTL

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ME OR UNDER MY DIRECT SUPERVISION AND
THAT I AM A DULY LICENSED PROFESSIONAL
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MINNESOTA.

MATTHEW J. SORENSON
DATE: 06/21/2024 MN LIC. NO. 12345

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