

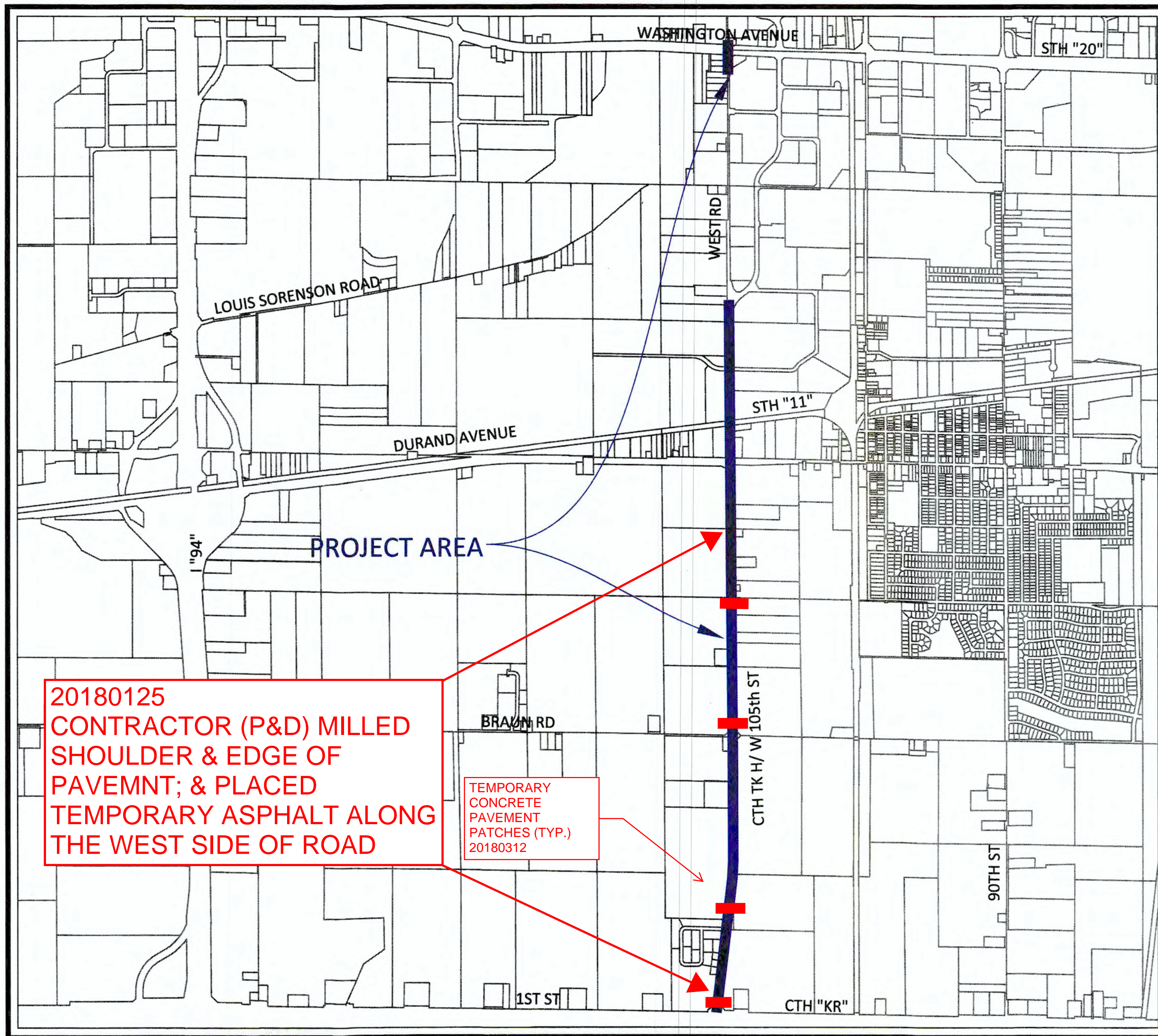


C.T.H. "H" TRANSMISSION WATER MAIN

PROJECT W-18-3

RACINE WATER & WASTEWATER UTILITY

RACINE COUNTY, WISCONSIN

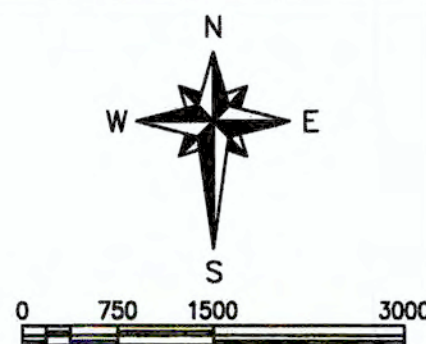


20180125
CONTRACTOR (P&D) MILLED
SHOULDER & EDGE OF
PAVEMNT; & PLACED
TEMPORARY ASPHALT ALONG
THE WEST SIDE OF ROAD

TEMPORARY
CONCRETE
PAVEMENT
PATCHES (TYP.)
20180312

LOCATION MAP

TOWN	RANGE	SECTION (s)
T3N	R22E	32, 29 & 17



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LEGEND - CIVIL ENGINEERING DRAWINGS

⊕	GENERIC MANHOLE	☐	TELEPHONE BOX	⚡	FLAG POLE	—	PROPOSED SILT FENCE
○	GENERIC VENT	⊙	TELEPHONE MANHOLE	✉	MAIL BOX	—	PROPOSED SANITARY SEWER (PLAN VIEW)
○	SEWER MANHOLE	⊠	CABLE BOX	⌵	POST	—	PROPOSED STORM SEWER (PLAN VIEW)
○	CLEAN OUT	⊘	UTILITY POLE	⌵	DELINATOR POST	—	PROPOSED WATER MAIN
⊙	SEPTIC SYSTEM	⊙	GUY WIRE	⌵	MARKER POST	---	PROPOSED SLOPE INTERCEPT
⊙	SEPTIC TANK COVER	⌵	LIGHT POLE	⌵	SIGN	■	PROPOSED DETECTABLE WARNING FIELD
⊙	SEPTIC VENT	⌵	YARD LIGHT	⌵	PIPING	●	PROPOSED SANITARY MANHOLE
⊙	MONITORING WELL	⌵	TRAFFIC SIGNAL	⌵	A/C	⊕	PROPOSED SANITARY RISER
⌵	WATER VALVE	⊙	PULL BOX	⌵	RAILROAD SIGNAL FLASHER	⊕	PROPOSED WATER VALVE
⌵	HYDRANT	—	SANITARY SEWER	⌵	RAILROAD SIGNAL BOX	⌵	PROPOSED HYDRANT
⌵	YARD HYDRANT	—	WATER MAIN	⌵	RAILROAD SPIKE	⌵	PROPOSED YARD HYDRANT
⌵	WATER VALVE MANHOLE	—	STORM SEWER	⌵	STUMP	⌵	PROPOSED WATER VALVE MANHOLE
⌵	WATER CURB STOP	—	UNDERGROUND GAS MAIN	⌵	DECIDUOUS TREE	⌵	PROPOSED WATER MAIN REDUCER
⌵	WELL	—	UNDERGROUND ELECTRIC (SURVEYED)	⌵	DECIDUOUS MULTIPLE TRUNK TREE	⌵	PROPOSED WATER MAIN OFFSET
⌵	SPRINKLER HEAD	—	UNDERGROUND ELECTRIC (FROM GIS)	⌵	CONIFEROUS TREE	⌵	PROPOSED WATER MAIN PLUG
⌵	STORM CATCH BASIN	—	UNDERGROUND TELEPHONE	⌵	CONIFEROUS MULTIPLE TRUNK TREE	⌵	PROPOSED WATER MAIN PLUG W/AIR RELEASE
⌵	STORM INLET	—	UNDERGROUND FIBER OPTIC	⌵	CONTROL POINT	⌵	PROPOSED WATER MAIN CROSS
⌵	GAS MANHOLE	—	UNDERGROUND TV CABLE	⌵	IRON PIPE	⌵	PROPOSED WATER MAIN TEE
⌵	GAS VALVE	—	EDGE OF PAVEMENT	⌵	IRON ROD	⌵	PROPOSED WATER MAIN BEND (ANGLE NOTED)
⌵	GAS METER	—	EDGE OF GRAVEL SHOULDER	⌵	SECTION CORNER	⌵	PROPOSED LOCATOR BOX
⌵	GAS VENT	—	EDGE OF CONCRETE	⌵	MONUMENT	⌵	PROPOSED STORM INLET/CATCH BASIN
⌵	GAS VALVE TEST	—	DITCH	⌵	TEST BORING	⌵	PROPOSED STORM MANHOLE
⌵	GAS CURB STOP	—	TOE OF SLOPE	⌵	PK NAIL	⌵	PROPOSED DITCH CHECK
⌵	ELECTRIC BOX	—	TOP OF BANK	⌵	DECORATIVE ROCK	⌵	PROPOSED INLET PROTECTION
⌵	ELECTRIC MANHOLE	—	FENCE	⌵	REVISION LABEL		
⌵	ELECTRIC METER	—	GUARD RAIL	⌵	WETLANDS		
		—	CULVERT (SIZE & TYPE NOTED)	⌵	WATER ELEVATION		
		—	RAILROAD TRACKS				
		—	EDGE OF TREES & BRUSH				



CHECKED BY: *KRW*

APPROVED FOR CONSTRUCTION
DATE: *1/16/18*
BY: *KRW*

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PROJECT NO. 8022-10019.200

RM2234C

XREFS:rm2234c; RMLOGO-BRANCH OFFICES
C:\C3D_2018\8022_Racine Water Utility\10019_Foxconn CTH H'dwg\Zcpl-Index-01.dwg

C.T.H. "H" TRANSMISSION WATER MAIN INDEX SHEET RACINE COUNTY, WISCONSIN RACINE WATER & WASTEWATER UTILITY		© COPYRIGHT 2017 RUEKERT & MIELKE INC. DESIGNED BY: BEF DRAFTED BY: AK1 CHECKED BY: KRW DATE: DECEMBER 2017 FILE NO. 8022-10019.200		SHEET NO. INDEX-01R-1	
 Ruekert • Mielke Waukesha • Kenosha • Madison Chicago • Global Water Center • Fox Valley www.ruekertmielke.com		A 7 B 6 C 5 D 4 E 3 F 2 G 1 H 0		TOWN: RANGE: SECTION(s): 01-05-2018 MULTIPLE SHEET REVISIONS AND ADDED SHEETS TO INDEX	

R0223440

Draft Print

06/15/2018 10:02:20 AM

DANIEL R & KELLY A DEJONGE
10635 S PRAIRIE VIEW DR
TAX KEY: 151032232016000

JOHN A & JANICE L. WILEY
5220 S HWY H
TAX KEY: 151032232021000

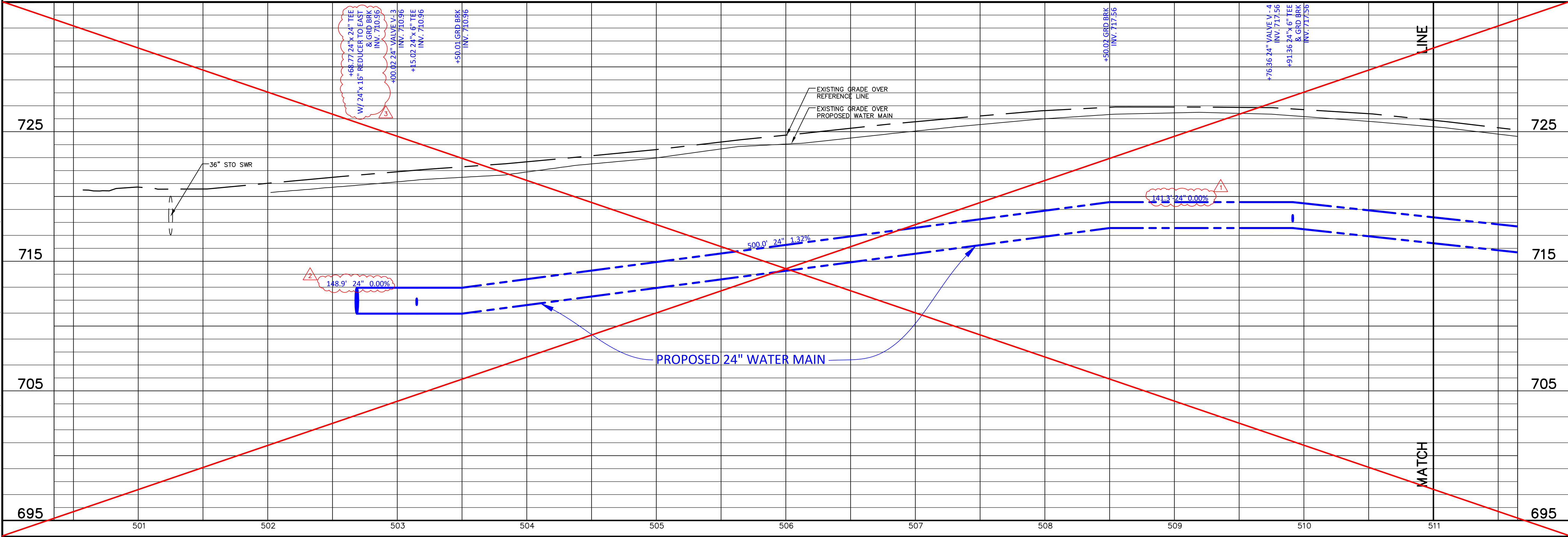
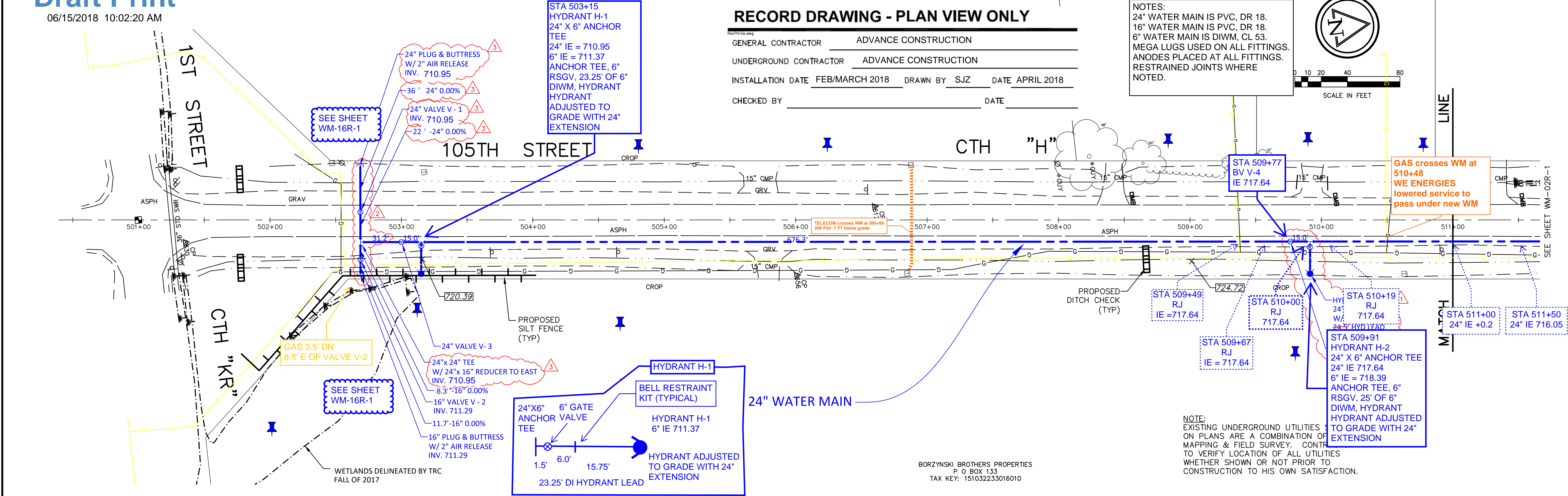
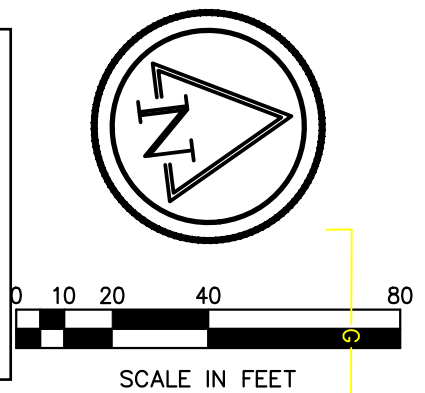
STEVEN L & BRENNAN P. PETTS
5206 S HWY H
TAX KEY: 151032232019000

THOMAS N ORENDORFF
5142 S HWY H
TAX KEY: 151032232025000

RECORD DRAWING - PLAN VIEW ONLY

GENERAL CONTRACTOR ADVANCE CONSTRUCTION
UNDERGROUND CONTRACTOR ADVANCE CONSTRUCTION
INSTALLATION DATE FEB/MARCH 2018 DRAWN BY SJZ DATE APRIL 2018
CHECKED BY DATE

NOTES:
24" WATER MAIN IS PVC, DR 18.
16" WATER MAIN IS PVC, DR 18.
6" WATER MAIN IS DIWM, CL 53.
MEGA LUGS USED ON ALL FITTINGS.
ANODES PLACED AT ALL FITTINGS.
RESTRAINED JOINTS WHERE NOTED.

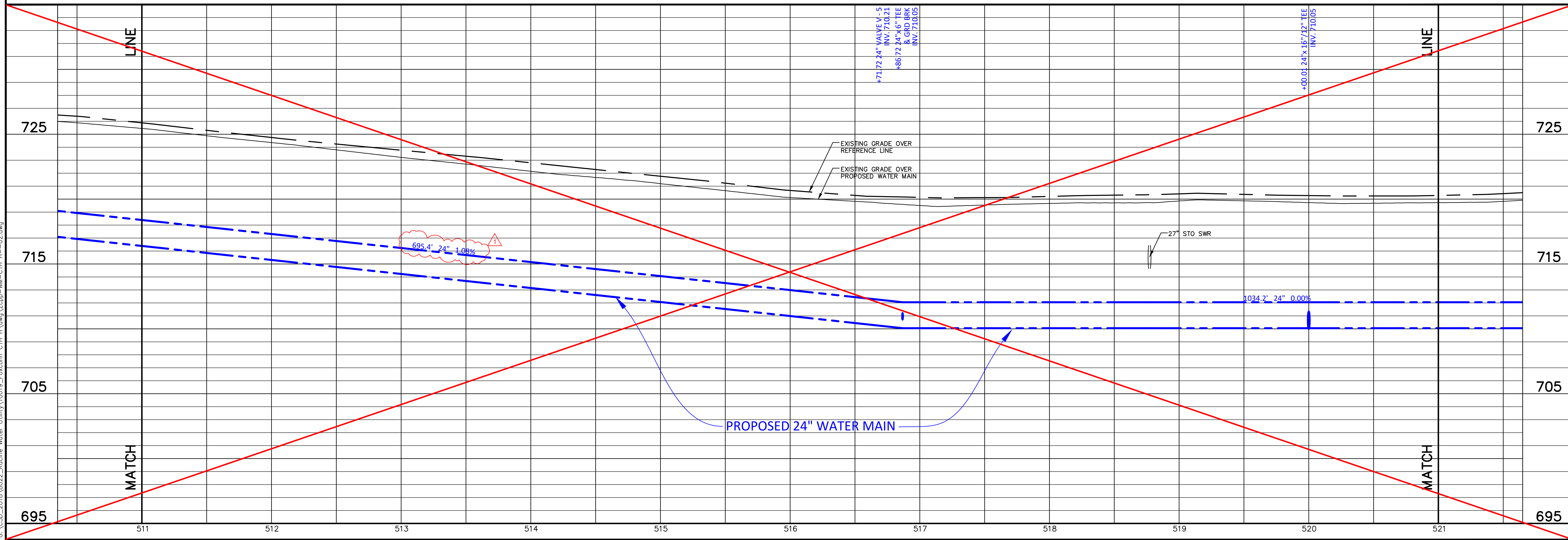
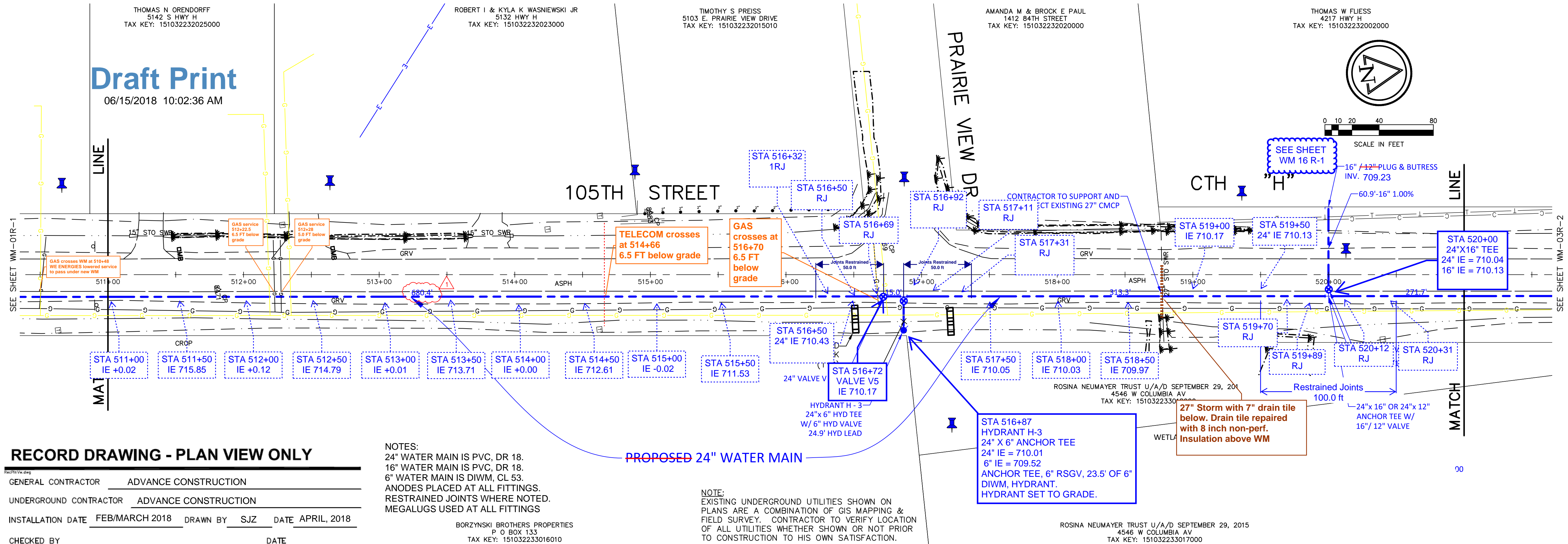


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**C.T.H. "H" TRANSMISSION WATER MAIN
PROPOSED WATER MAIN**
IN: 105TH STREET / CTH "H"
FROM: 100' NORTH OF 1ST STREET / CTH "KR"
TO: 1000' NORTH OF 1ST STREET / CTH "KR"
RACINE COUNTY, WISCONSIN
RACINE WATER & WASTEWATER UTILITY

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RUEKERT & MIELKE INC.
DESIGNED BY: BEF
DRAFTED BY: AKI
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DATE: DECEMBER 2017
FILE NO.
8022-10019.200
SHEET NO.
WM-01R-3

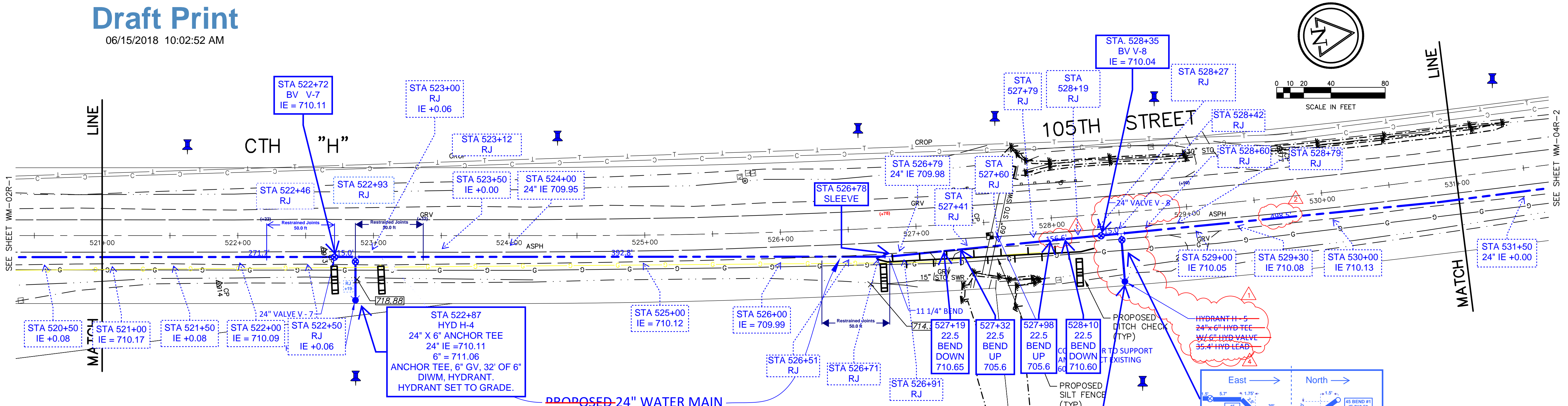
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IMAGES: RM SQUARE_Full Color-Print
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[illegible]

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THOMAS W FLIESS
4217 HWY H
TAX KEY: 151032232002000

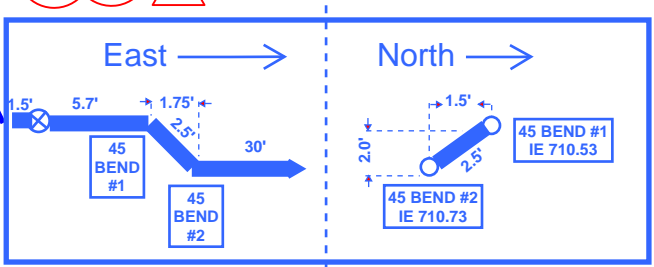


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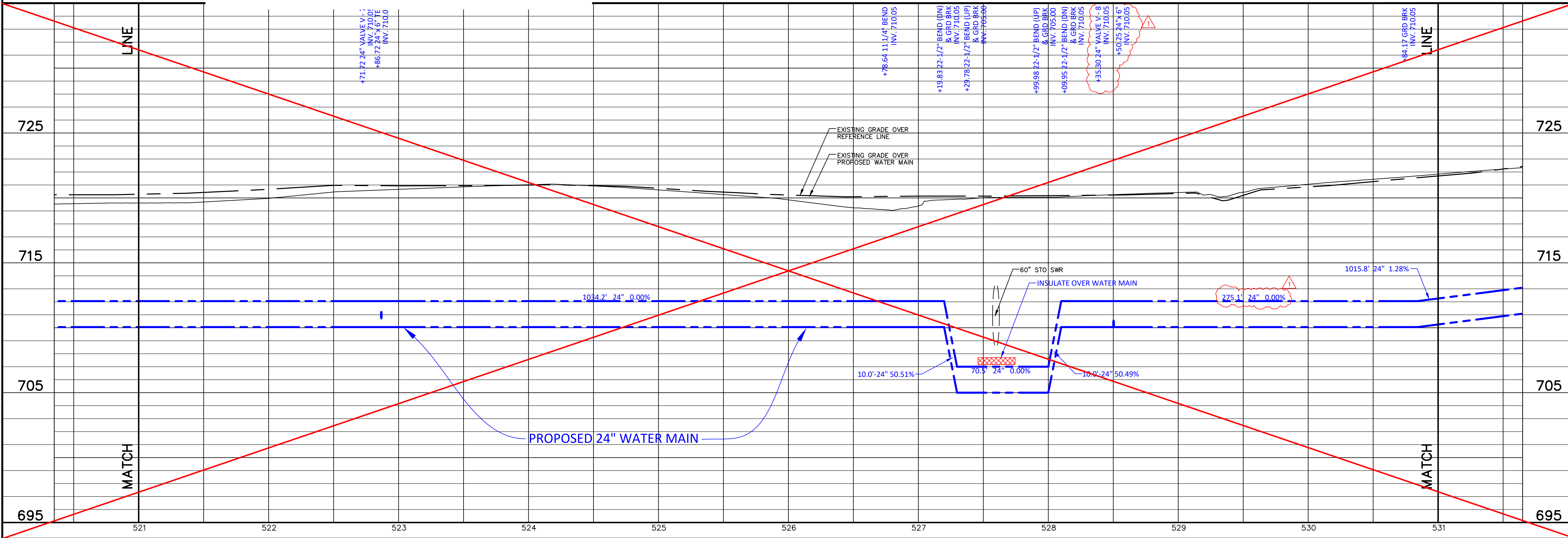
GENERAL CONTRACTOR ADVANCE CONSTRUCTION
UNDERGROUND CONTRACTOR ADVANCE CONSTRUCTION
INSTALLATION DATE FEB/MARCH 2018 DRAWN BY SJZ DATE APRIL, 2018
CHECKED BY DATE

NOTES:
24" WATER MAIN IS PVC, DR 18.
6" WATER MAIN IS DIWM, CL 53.
ANODES PLACED AT ALL FITTINGS.
RESTRAINED JOINTS WHERE NOTED.
MEGALUGS USED AT ALL FITTINGS.

NOTE:
EXISTING UNDERGROUND UTILITIES SHOWN ON PLANS ARE A COMBINATION OF GIS MAPPING & FIELD SURVEY. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES WHETHER SHOWN OR NOT PRIOR TO CONSTRUCTION TO HIS OWN SATISFACTION.



THOMAS W FLIESS
4217 HWY H
TAX KEY: 151032233014000



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C.T.H. "H" TRANSMISSION WATER MAIN
PROPOSED WATER MAIN
IN: 105TH STREET / CTH "H"
FROM: 400' NORTH OF PRAIRIE VIEW DRIVE
TO: 1400' NORTH OF PRAIRIE VIEW DRIVE
RACINE COUNTY, WISCONSIN
RACINE WATER & WASTEWATER UTILITY

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DATE: DECEMBER 2017
FILE NO.
8022-10019.200
SHEET NO.
WM-03R-4

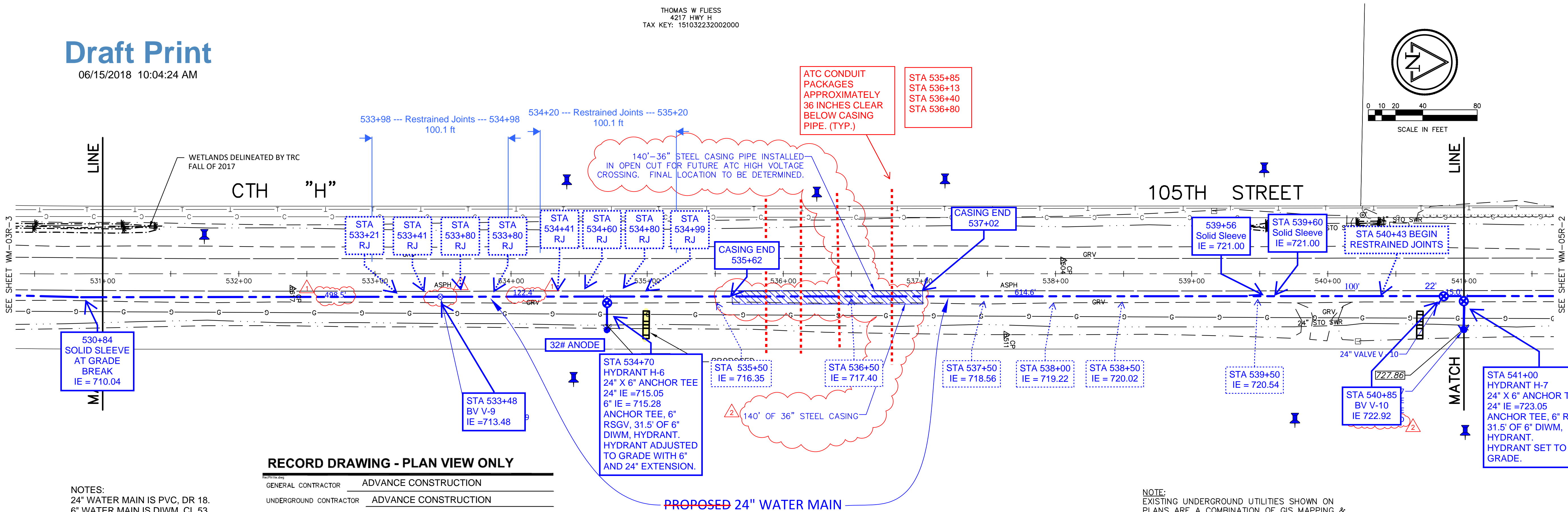
8/22/2018

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THOMAS W FLIESS
4217 HWY H
TAX KEY: 151032232002000

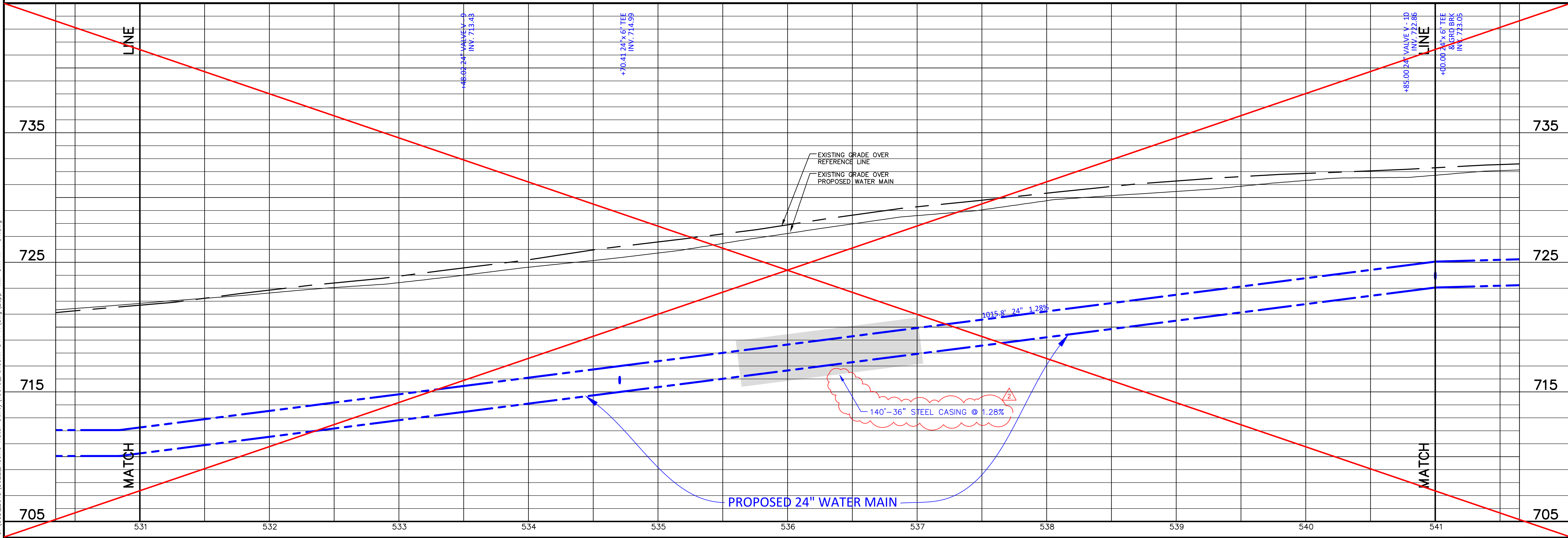


RECORD DRAWING - PLAN VIEW ONLY

GENERAL CONTRACTOR ADVANCE CONSTRUCTION
UNDERGROUND CONTRACTOR ADVANCE CONSTRUCTION
INSTALLATION DATE FEB/MARCH 2018 DRAWN BY SJZ DATE APRIL, 2018
CHECKED BY DATE

NOTES:
24" WATER MAIN IS PVC, DR 18.
6" WATER MAIN IS DIWM, CL 53.
ANODES PLACED AT ALL FITTINGS.
RESTRAINED JOINTS WHERE NOTED.
MEGALUGS USED AT ALL FITTINGS.

NOTE:
EXISTING UNDERGROUND UTILITIES SHOWN ON
PLANS ARE A COMBINATION OF GIS MAPPING &
FIELD SURVEY. CONTRACTOR TO VERIFY LOCATION
OF ALL UTILITIES WHETHER SHOWN OR NOT PRIOR
TO CONSTRUCTION TO HIS OWN SATISFACTION.



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C.T.H. "H" TRANSMISSION WATER MAIN
PROPOSED WATER MAIN
IN: 105TH STREET / CTH "H"
FROM: 1400' NORTH OF PRAIRIE VIEW DRIVE
TO: 2400' NORTH OF PRAIRIE VIEW DRIVE
RACINE COUNTY, WISCONSIN
RACINE WATER & WASTEWATER UTILITY

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SHEET NO.
WM-04R-2

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0 10 20 40 80

SCALE IN FEET

RECORD DRAWING - PLAN VIEW ONLY

GENERAL CONTRACTOR ADVANCE CONSTRUCTION

UNDERGROUND CONTRACTOR ADVANCE CONSTRUCTION

INSTALLATION DATE FEB./MARCH 2018 DRAWN BY SJZ DATE APRIL 2018

CHECKED BY _____ DATE _____

NOTES:
24" WATER MAIN IS PVC, DR 18.
6" WATER MAIN IS DIWM, CL 53.
ANODES PLACED AT ALL FITTINGS.
RESTRAINED JOINTS WHERE NOTED.
MEGALUGS USED AT ALL FITTINGS.

THOMAS W FLIESS
4217 HWY H
TAX KEY: 151032233014000

~~PROPOSED~~ 24" WATER MAIN

1/2 INCH PE GAS
SERVICE
TOP ELEV. 723.68
WM RAISED TO
CLEAR GAS
SERVICE

STA 541+00
HYDRANT H-7
24" X 6" ANCHOR TEE
24" IE =723.05
ANCHOR TEE, 6" RSG
31.5' OF 6" DIWM,
HYDRANT.
HYDRANT SET TO
GRADE.

STA 547+32
END RESTRAINED JOINTS

STA 546+51
START RESTRAINED JOINTS

STA 546+42
IE 724.58

DRAIN TILE REPAIR
STA +28 E TO STA +3
6" CORRUGATED PE

STA 548+88

STA 550+00
24" IE 725.59

STA 544+47
IE 724.06

STA 545+20
724.26

STA 546+85
BV V-11
24" IE 724.69

6" GAS MAIN
TOP ELEVATION
726.79

V,
ORANT.
ADE.

VALVE V - 11 & GRD BRK INV. 724.69	0 24"x 6" TEE & GRD BRK INV. 724.73
--	---

— EXISTING GRADE OVER REFERENCE LINE	
— EXISTING GRADE OVER PROPOSED WATER MAIN	

— EXISTING GRADE OVER
PROPOSED WATER MAIN

REMOVED OFFSETS & CASING

PROPOSED 24" WATER MAIN

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C.T.H. "H" TRANSMISSION WATER MAIN

~~PROPOSED WATER MAIN~~
IN: 105TH STREET / CTH "H"

FROM: 2400' NORTH OF PRAIRIE VIEW DRIVE

TO: 3400' NORTH OF PRAIRIE VIEW DRIVE
BRACINE COUNTY WISCONSIN

RACINE COUNTY, WISCONSIN
RACINE WATER & WASTEWATER UTILITY

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DESIGNED BY: BEP

DRAFTED BY: AK

CHECKED BY: K

FILE NO.
8022-10019.200

SHEET NO.
WM-05R-2

www.ruekertmiller.com



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GENERAL CONTRACTOR	ADVANCE CONSTRUCTION				
UNDERGROUND CONTRACTOR	ADVANCE CONSTRUCTION				
INSTALLATION DATE	MARCH 2018	DRAWN BY	SJZ	DATE	APRIL 2018
CHECKED BY	DATE				

NOTES:
36" WATER MAIN IS PVC, DR 18.
24" WATER MAIN IS PVC, DR 18.
8" WM IS PVC, DR 18
6" WATER MAIN IS DIWM, CL 53.
ANODES PLACED AT ALL FITTINGS.
RESTRAINED JOINTS WHERE NOTED.
MEGALUGS USED AT ALL FITTINGS.

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Chicago • Global Water Center • Fox Valley
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FILE NO. 8022-10019.200
SHEET NO. WM-06R-3

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06/15/2018 10:04:59 AM

DOUG R FUNK
9328 MT. PLEASANT AVENUE
TAX KEY: 181032229020000

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GENERAL CONTRACTOR ADVANCE CONSTRUCTION

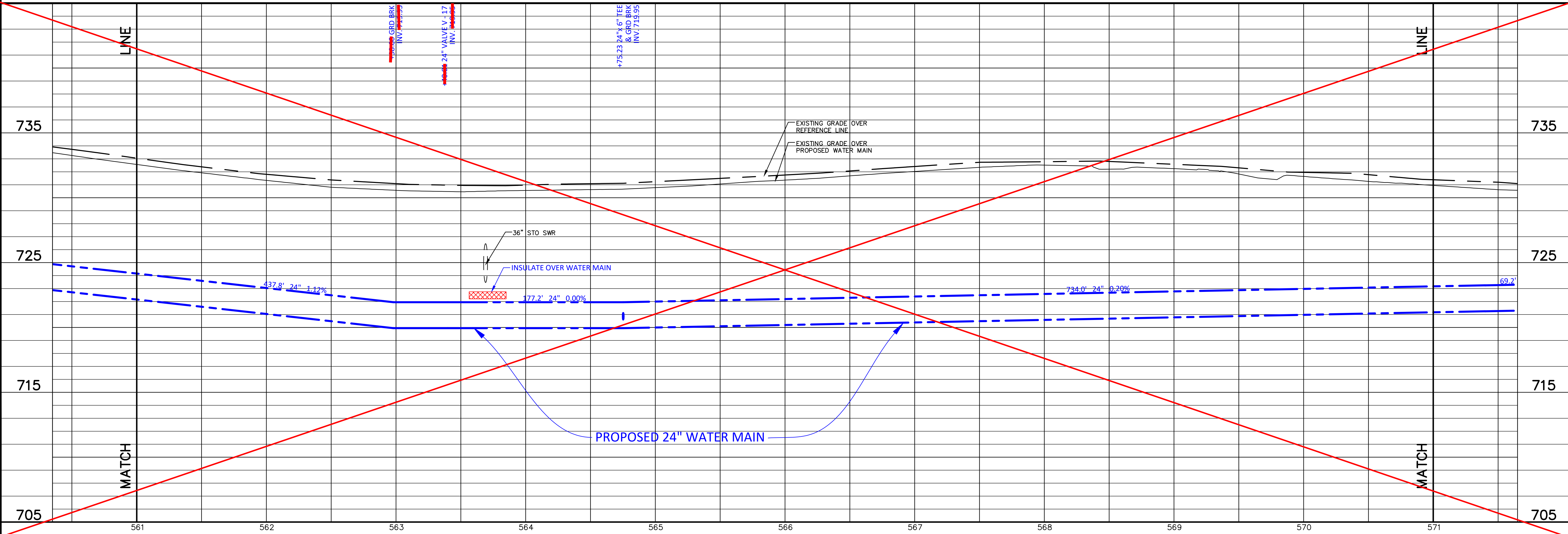
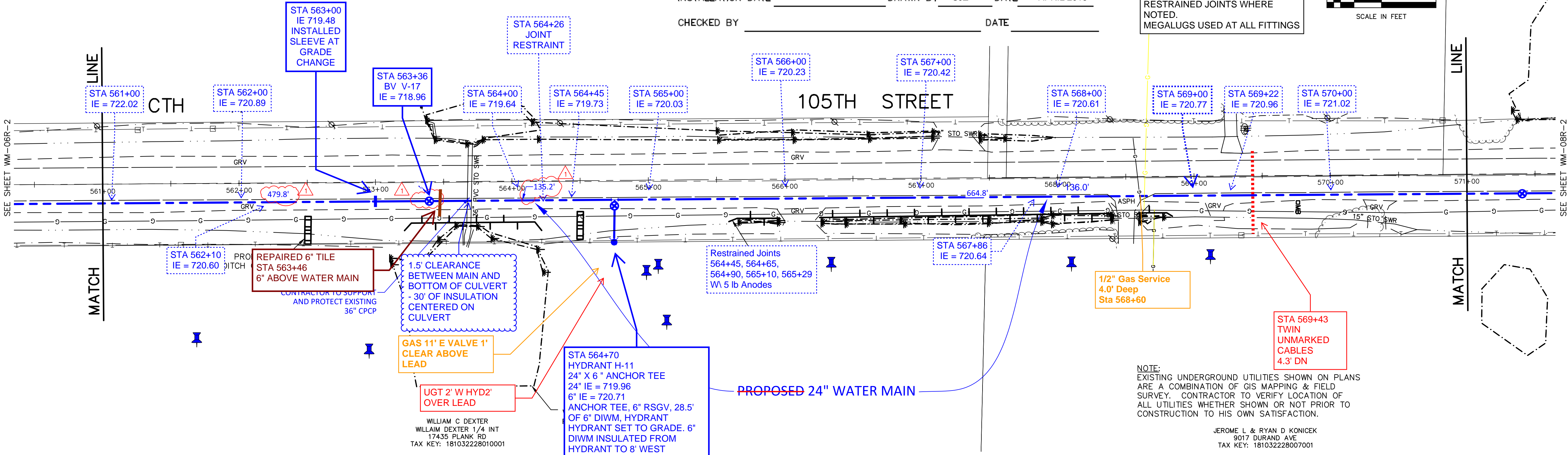
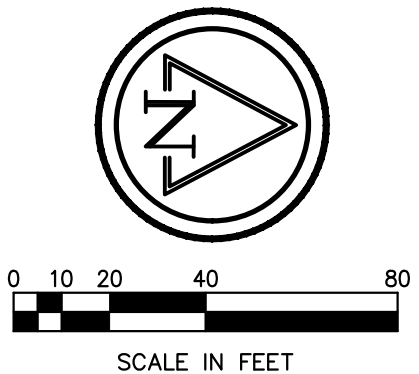
UNDERGROUND CONTRACTOR ADVANCE CONSTRUCTION

INSTALLATION DATE MARCH 2018 DRAWN BY SJZ DATE APRIL 2018

CHECKED BY DATE

BRANDON G & TAMMYRA M EVASKA
3832 HWY H
TAX KEY: 181032229019010

NOTES:
24" WATER MAIN IS PVC, DR 18.
6" WATER MAIN IS DIWM, CL 53.
ANODES PLACED AT ALL FITTINGS.
RESTRAINED JOINTS WHERE NOTED.
MEGALUGS USED AT ALL FITTINGS



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C.T.H. "H" TRANSMISSION WATER MAIN
PROPOSED WATER MAIN
IN: 105TH STREET / CTH "H"
FROM: 4400' NORTH OF PRAIRIE VIEW DRIVE
TO: 660' NORTH OF BRAUN ROAD
RACINE COUNTY, WISCONSIN
RACINE WATER & WASTEWATER UTILITY

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CHECKED BY: KRW
DATE: DECEMBER 2017
FILE NO.
8022-10019.200
SHEET NO.
WM-07R-1

STREET

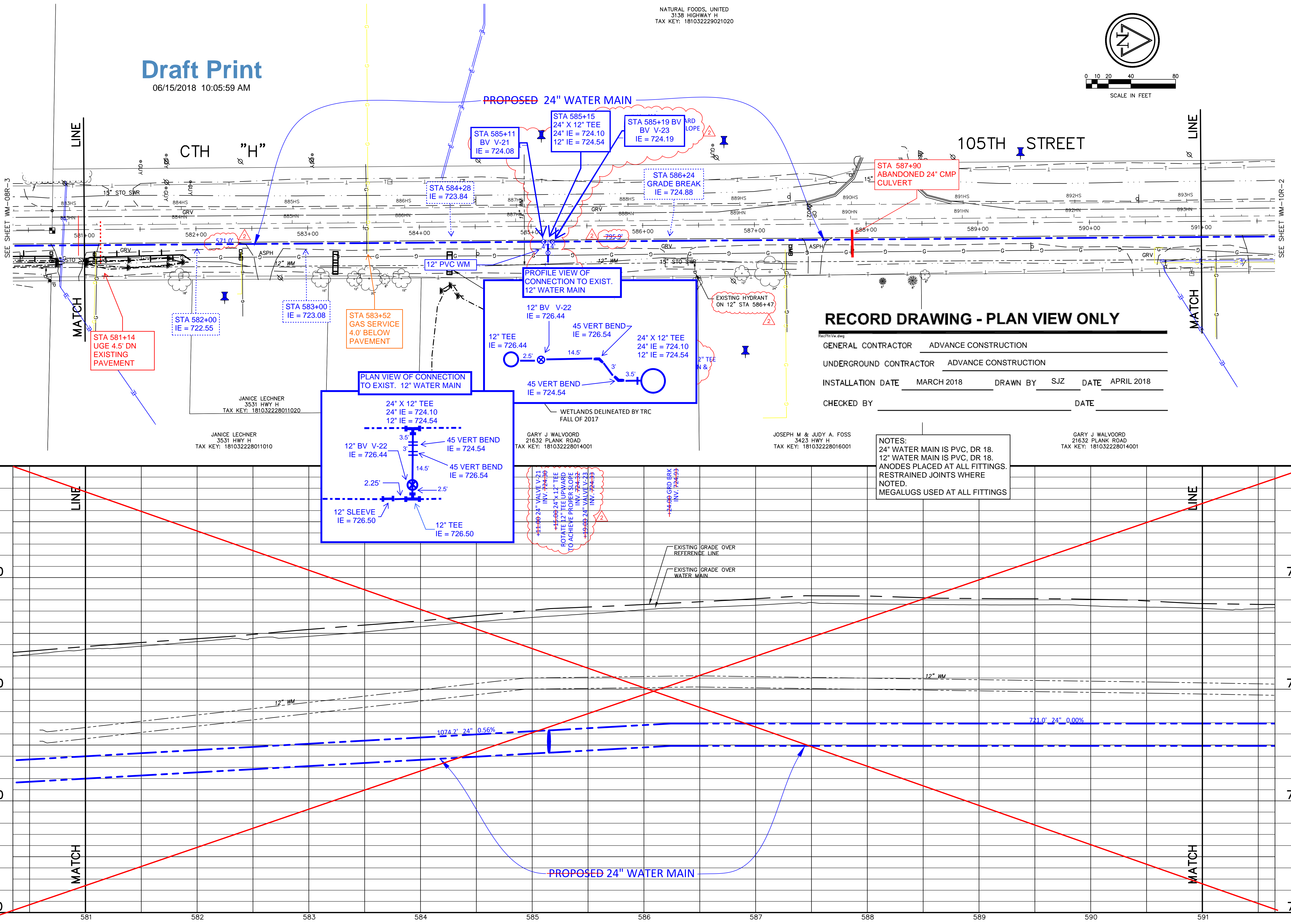
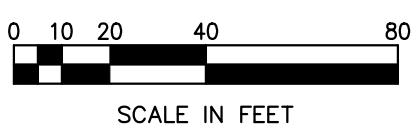
JANICE LECHNER
3531 HWY H
TAX KEY: 18103228011010

01 24" VALVE V - 20
INV. 721.10

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DESIGNED BY: BEF
DRAFTED BY: AK1
CHECKED BY: KRW
DATE: DECEMBER 2017
FILE NO. 8022-10019.200
SHEET NO. WM-08R-3

06/15/2018 10:05:59 AM



GENERAL CONTRACTOR ADVANCE CONSTRUCTION

UNDERGROUND CONTRACTOR ADVANCE CONSTRUCTION

INSTALLATION DATE MARCH 2018 DRAWN BY SJZ DATE APRIL 2018

CHECKED BY _____ DATE _____

NOTES:
24" WATER MAIN IS PVC, DR 18.
12" WATER MAIN IS PVC, DR 18.
ANODES PLACED AT ALL FITTINGS.
RESTRAINED JOINTS WHERE
NOTED.
MEGALUGS USED AT ALL FITTINGS

C.T.H. "H" TRANSMISSION WATER MAIN

PROPOSED WATER MAIN

IN: 105TH STREET / CTH "H"

FROM: 1660' NORTH OF BRAUN ROAD
TO: 2660' NORTH OF BRAUN ROAD

RACINE COUNTY, WISCONSIN

RACINE WATER & WASTEWATER UTILITY

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DRAFTED BY: AK1

CHECKED BY: KRW

DATE: DECEMBER 2017

SECTION(S):

RANGE:

TOWN:

FILE NO.

8022-10019.200

SHEET NO.

WM-09R-2

MOVED CONN. TO EXIST 12" WM. ADDED 2-24" VALVES & REMOVED VALVE @ STA 597+507.440

ADJUSTED VALVE LOCATIONS PER MWMR REQUIREMENTS

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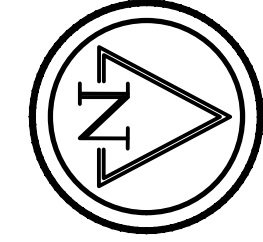
NATURAL FOODS, UNITED
3138 HIGHWAY H
TAX KEY: 18103229021020

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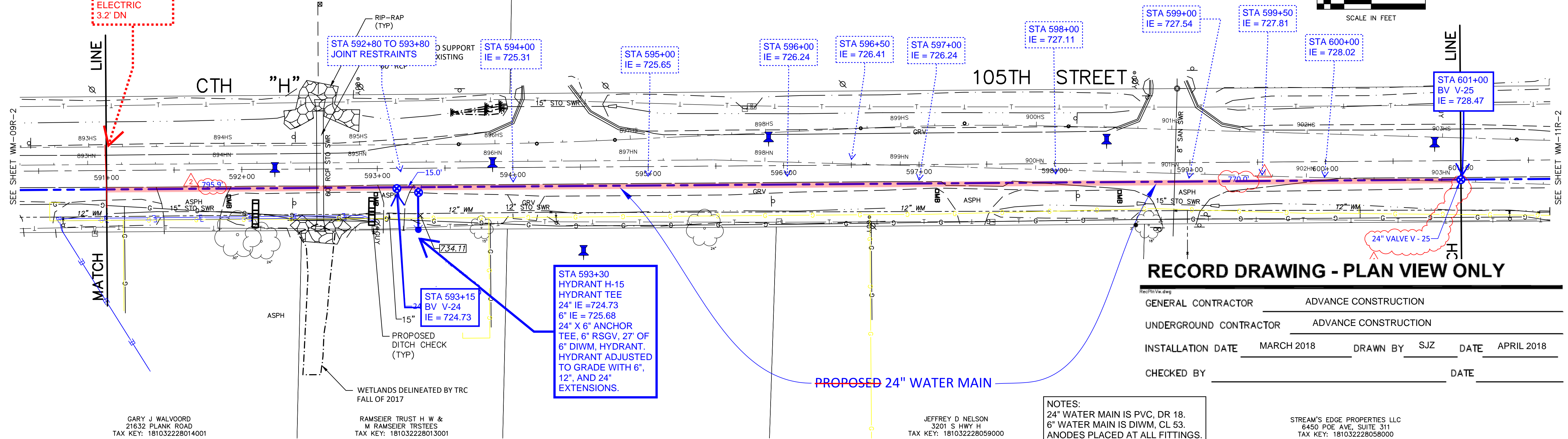
NATURAL FOODS, UNITED
3138 HIGHWAY H
TAX KEY: 18103229021010

3" DEEP X 2 FEET
WIDE BASE
PAVEMENT
REPLACEMENT



0 10 20 40 80

SCALE IN FEET



RECORD DRAWING - PLAN VIEW ONLY

REC'D IN Vw.dwg

GENERAL CONTRACTOR ADVANCE CONSTRUCTION

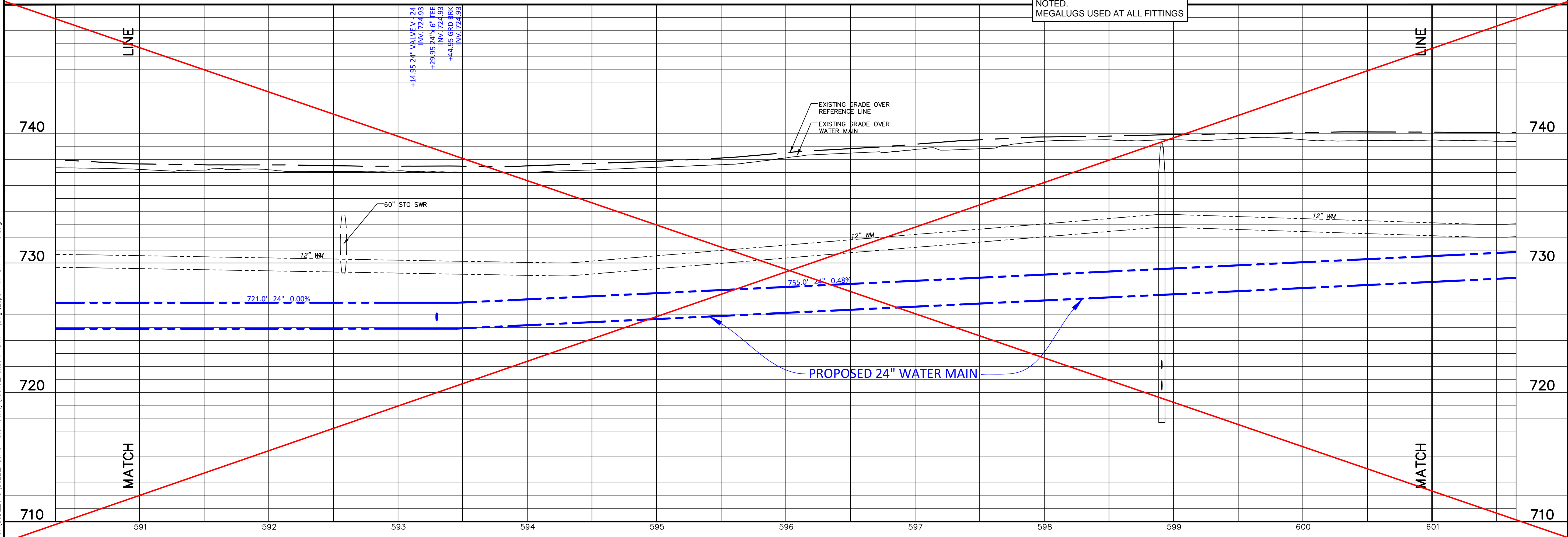
UNDERGROUND CONTRACTOR ADVANCE CONSTRUCTION

INSTALLATION DATE MARCH 2018 DRAWN BY SJZ DATE APRIL 2018

CHECKED BY DATE

NOTES:
24" WATER MAIN IS PVC, DR 18.
6" WATER MAIN IS DIWM, CL 53.
ANODES PLACED AT ALL FITTINGS.
RESTRAINED JOINTS WHERE
NOTED.
MEGALUGS USED AT ALL FITTINGS

STREAM'S EDGE PROPERTIES LLC
6450 POE AVE, SUITE 311
TAX KEY: 181032228058000



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Waukegan • Kenosha • Madison

waukesia • kenosha • fox valley
Chicago • Global Water Center • www.ruekertmiele.com

PROPOSED WATER MAIN
IN: 105TH STREET / CTH "H"
FROM: 2660' NORTH OF BRAUN ROAD
TO: 3660' NORTH OF BRAUN ROAD
RACINE COUNTY, WISCONSIN
RACINE WATER & WASTEWATER UTILITY

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RUEKERT & MIELKE INC.

DESIGNED BY: BEF

DRAFTED BY: AK1

CHECKED BY: KRW

DATE: DECEMBER 2017

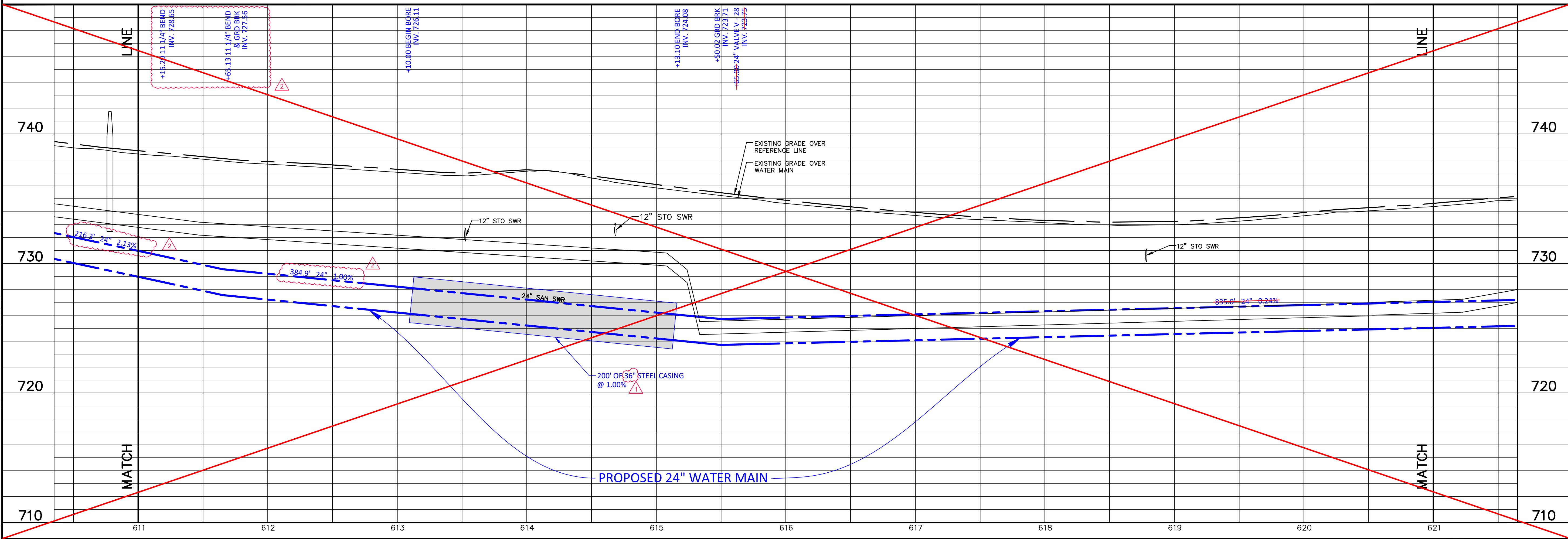
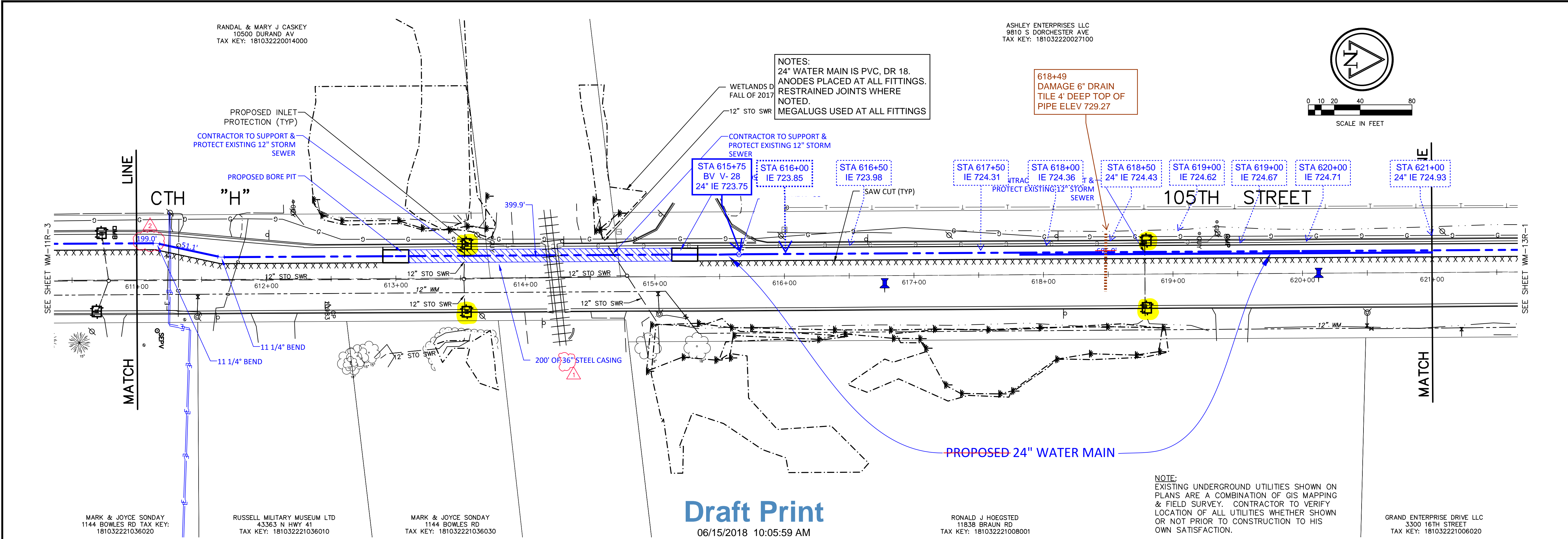
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8022-10019.200

SHEET NO.
WM-10R-2

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May 02, 2018 12:53pm PLOTTED BY: Akreuser SAVED BY: dklemm
IMAGES: RM SQUARE_Full Color-Print; OFFICES: Existing Electric; Existing Gas Mains & Services; basemap; views: UrbanCTH-H_West Rd, RM_Pmb; Wetlands-TRC; Wetlands-Cordino; PbaaCTH-H_West Rd; EbaaCTH-H; Existing Gas Mains & Services; Racine Co Coordinates
C:\Users\dklemm\OneDrive\Documents\8022_Racine Water Utility\10019_Foxconn CTH H-Water Main-12R.dwg



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C.T.H. "H" TRANSMISSION WATER MAIN	
PROPOSED WATER MAIN	
IN: 105TH STREET / CTH "H"	
FROM: 1500' NORTH OF DURAND AVE / 5TH "11"	
TO: 2500' NORTH OF DURAND AVE / 5TH "11"	
RACINE COUNTY, WISCONSIN	
RACINE WATER & WASTEWATER UTILITY	

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DRAFTED BY: AKI	
CHECKED BY: KRW	
DATE: DECEMBER 2017	
FILE NO. 8022-10019.200	
SHEET NO. WM-12R-2	

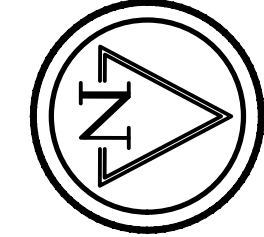
www.ruekertmielke.com

06/15/2018 10:10:25 AM

ASHLEY ENTERPRISES LLC
9810 S DORCHESTER AVE
TAX KEY: 181032220027100

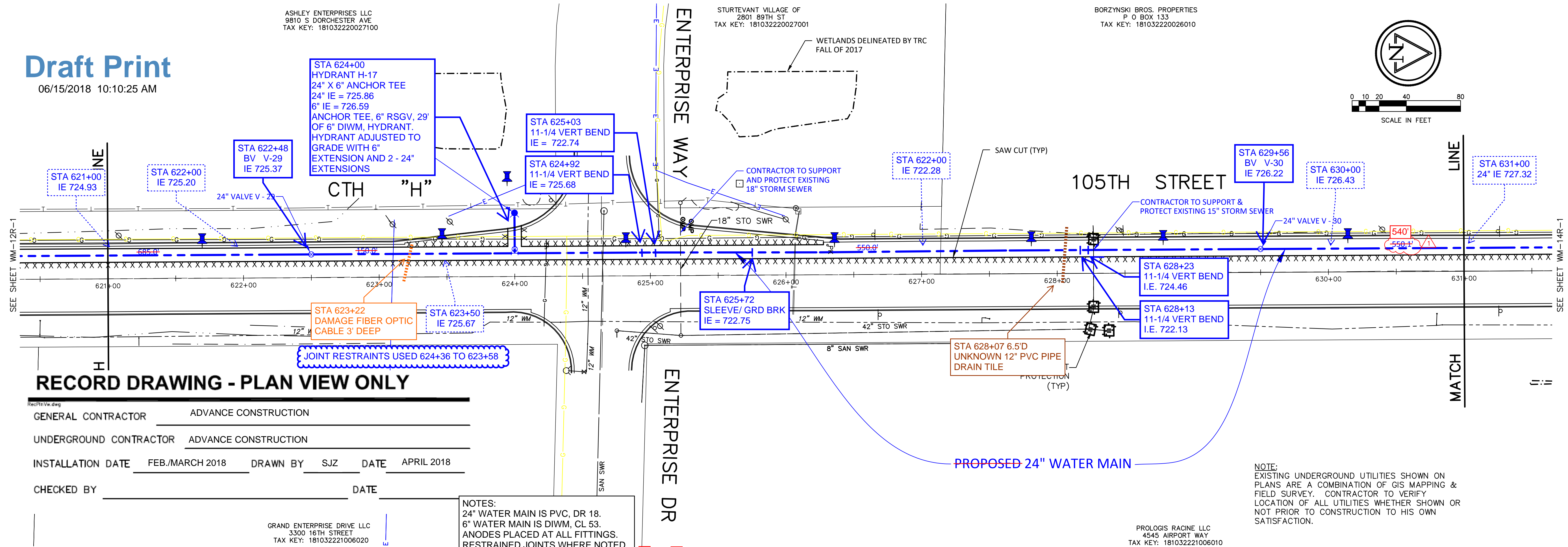
STURTEVANT VILLAGE OF
2801 89TH ST
TAX KEY: 181032220027001

BORZYNSKI BROS. PROPERTIES
P O BOX 133
TAX KEY: 181032220026010



0 10 20 40 80

SCALE IN FEET

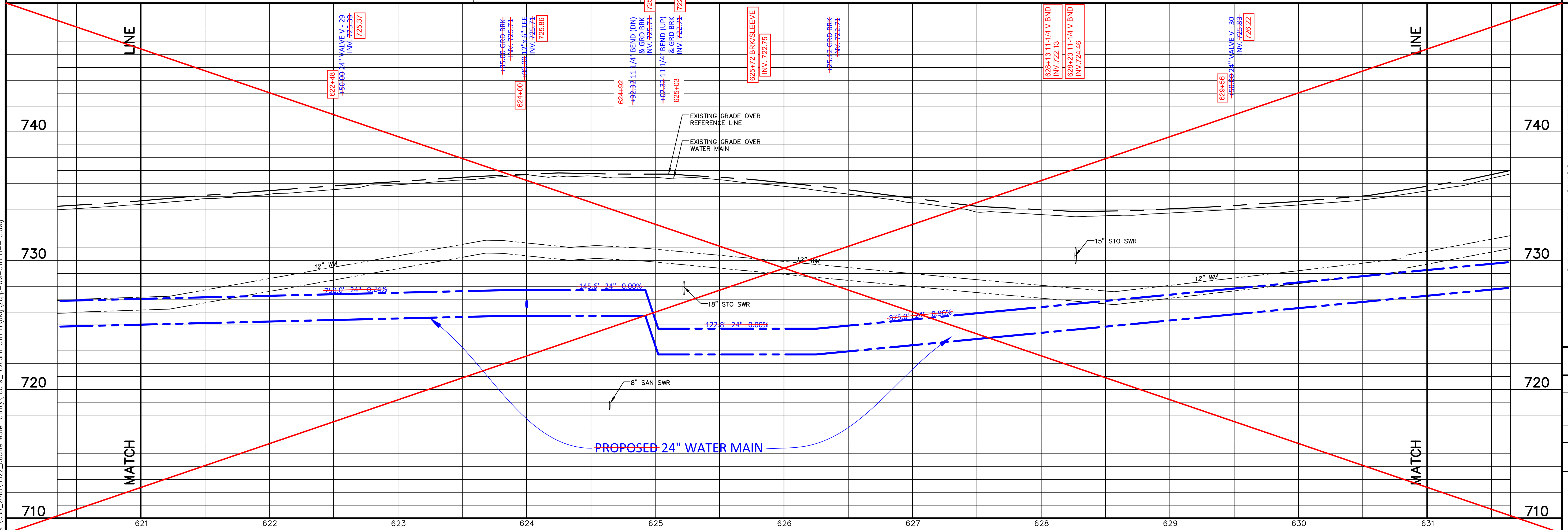


NOTE:
EXISTING UNDERGROUND UTILITIES SHOWN ON
PLANS ARE A COMBINATION OF GIS MAPPING &
FIELD SURVEY. CONTRACTOR TO VERIFY
LOCATION OF ALL UTILITIES WHETHER SHOWN OR
NOT PRIOR TO CONSTRUCTION TO HIS OWN
SATISFACTION.

PROLOGIS RACINE LLC
4545 AIRPORT WAY
TAX KEY: 181032221006010

NOTES:
24" WATER MAIN IS PVC, DR 18.
6" WATER MAIN IS DIWM, CL 53.
ANODES PLACED AT ALL FITTINGS.
RESTRAINED JOINTS WHERE NOTED.
MEGALUGS USED AT ALL FITTINGS.

GRAND ENTERPRISE DRIVE LLC
3300 16TH STREET
TAX KEY: 181032221006020



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PROPOSED WATER MAIN
IN: 105TH STREET / CTH "H"
FROM: 400' SOUTH OF ENTERPRISE WAY
TO: 1400' NORTH OF ENTERPRISE WAY
RACINE COUNTY, WISCONSIN
RACINE WATER & WASTEWATER UTILITY

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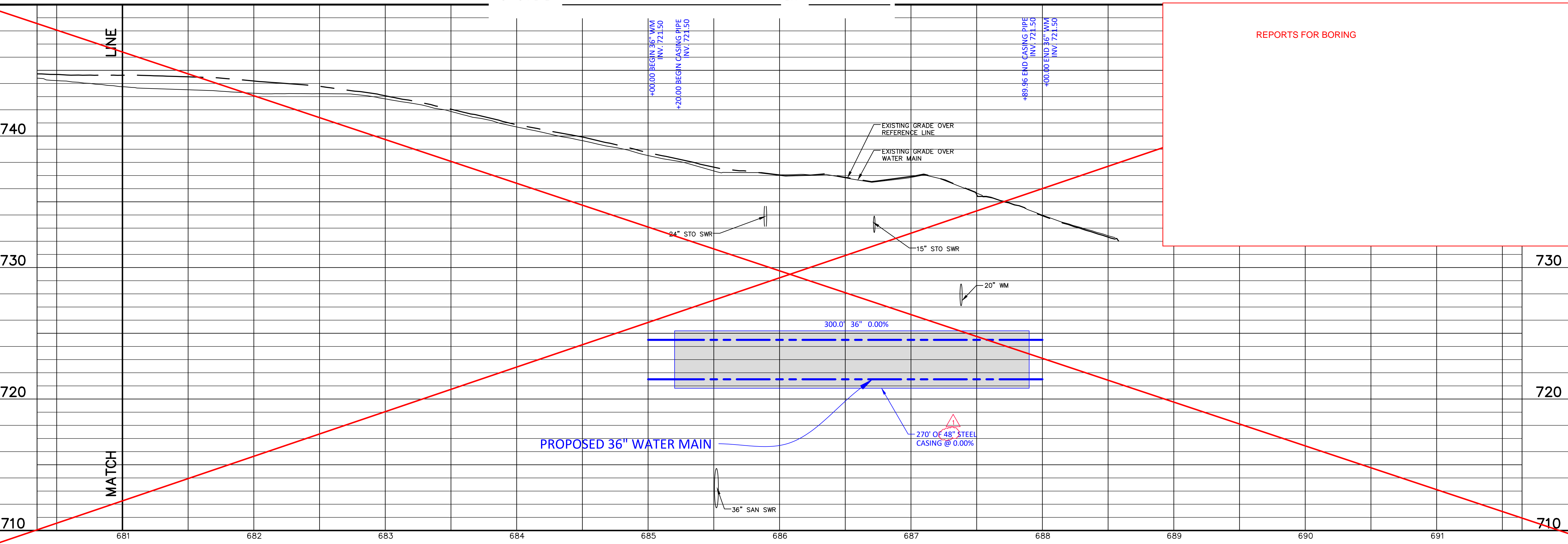
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DATE: DECEMBER 2017

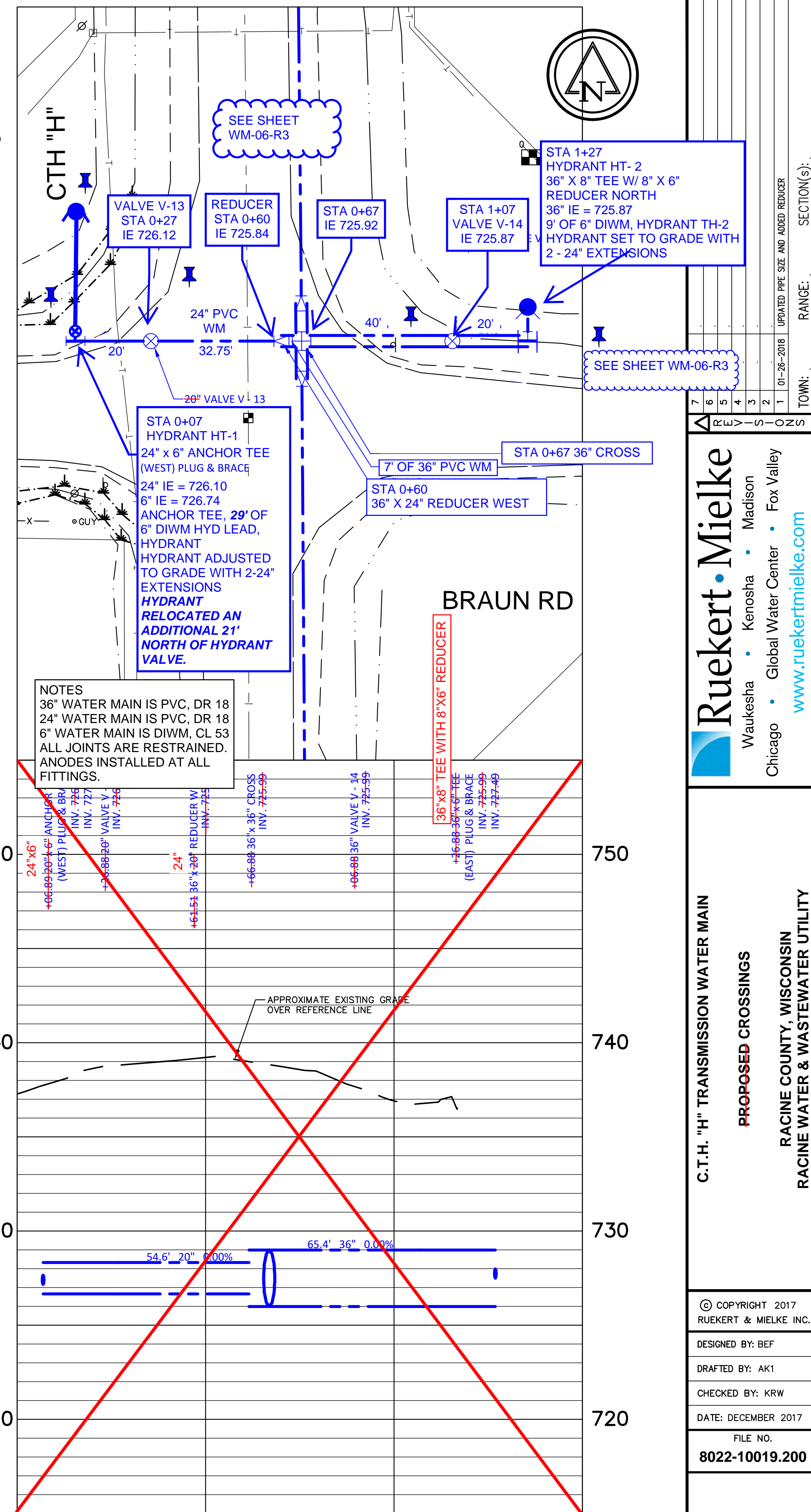
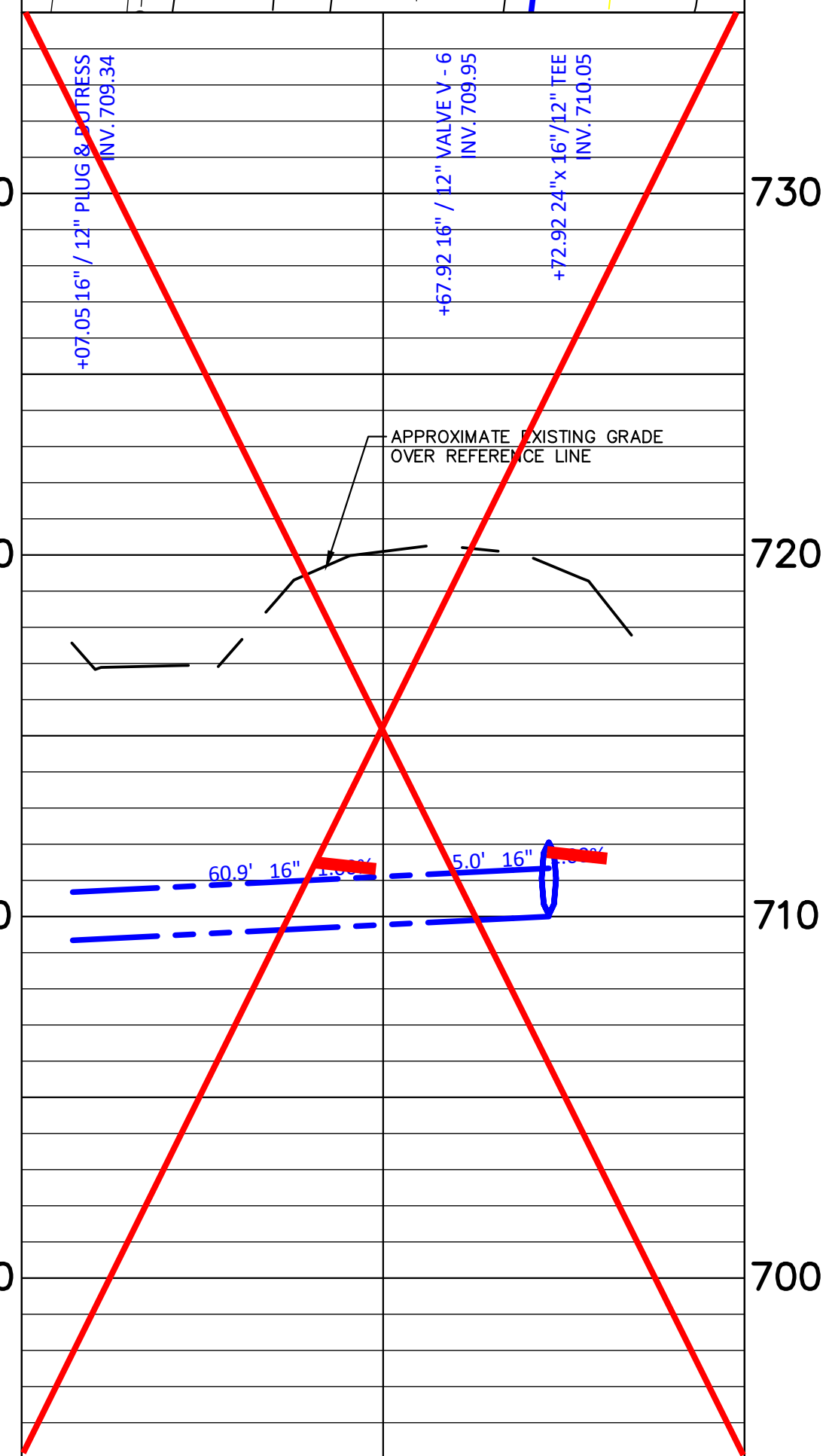
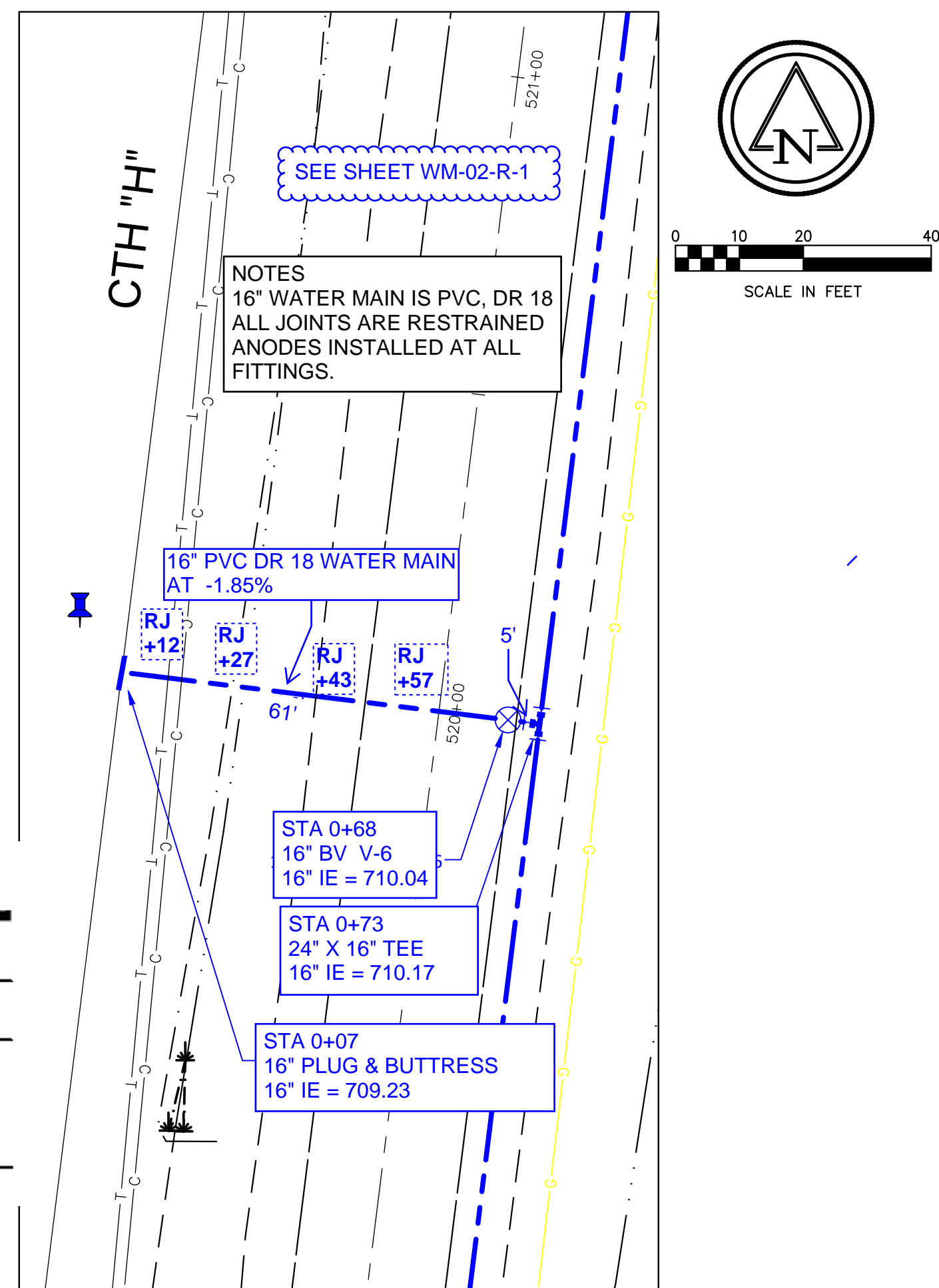
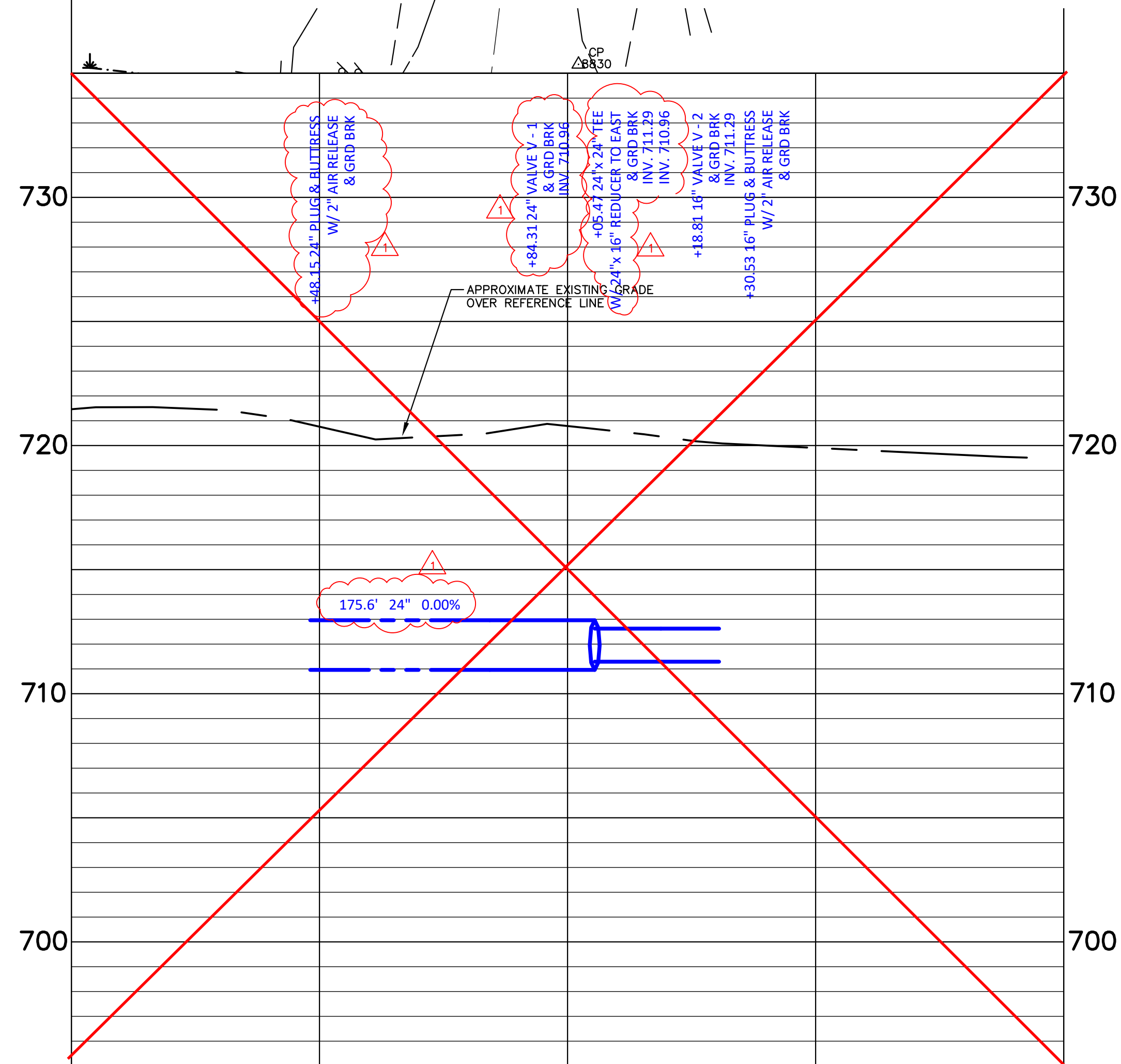
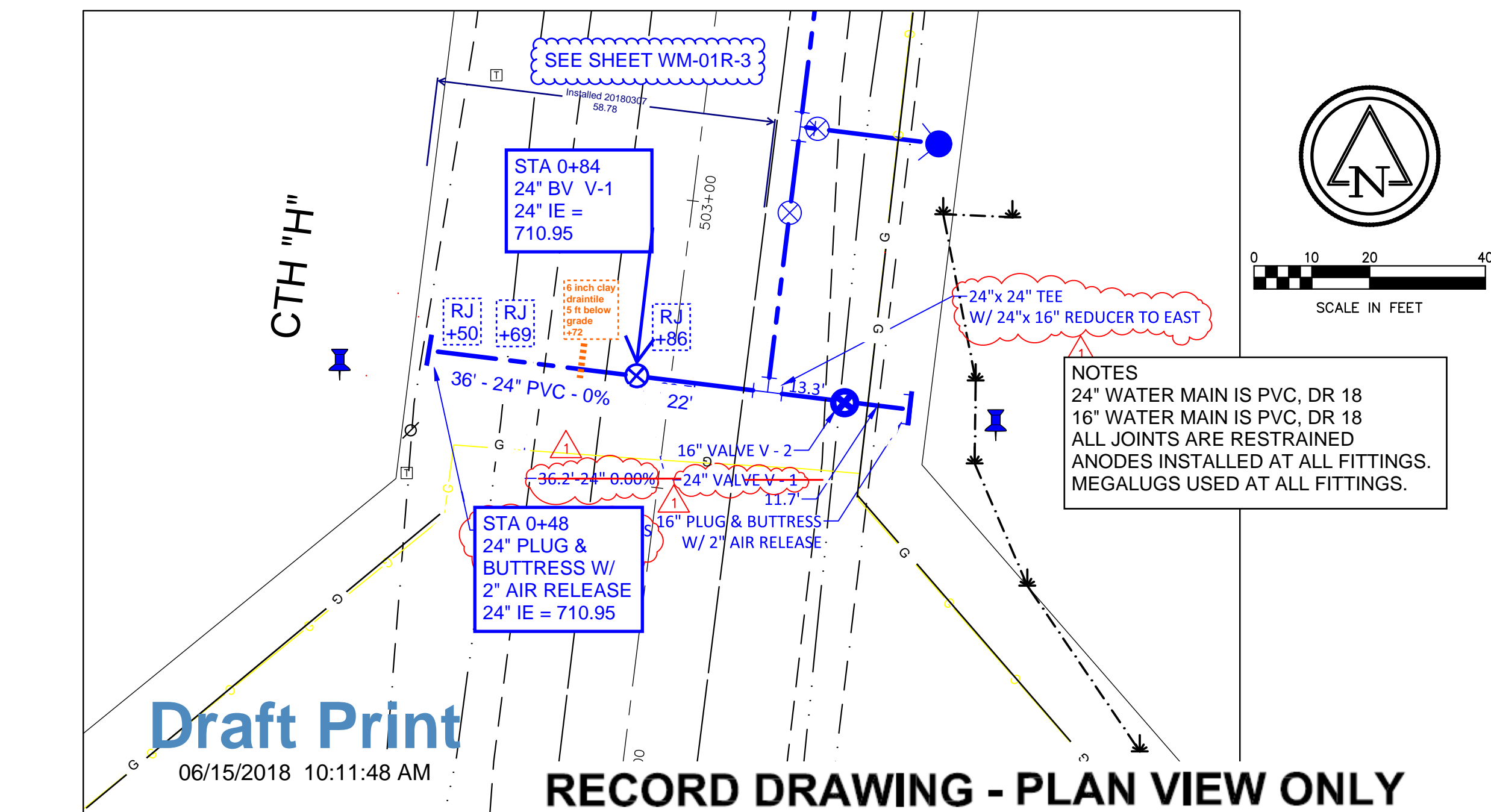
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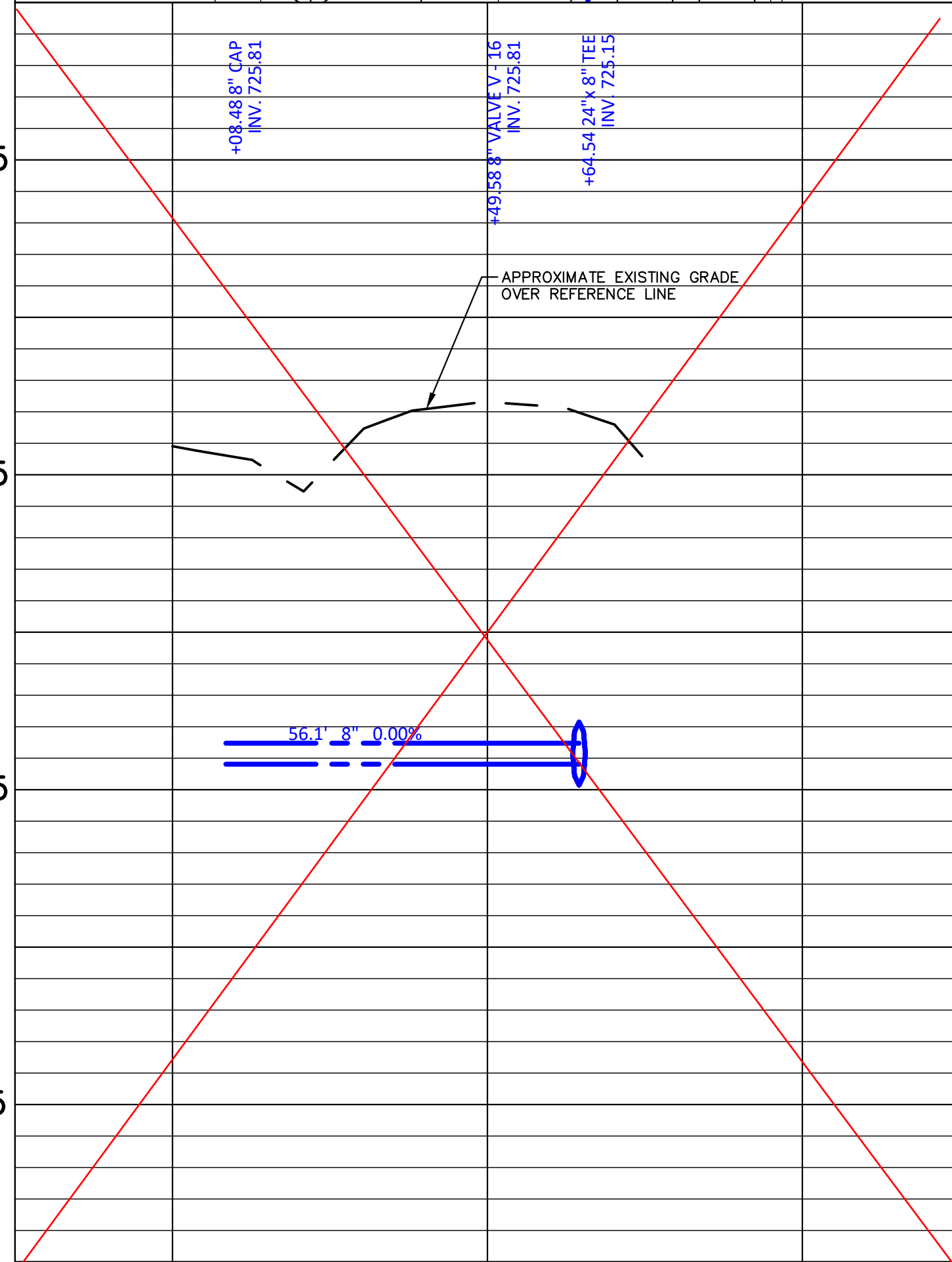
SHEET NO.
WM-13R-1

Jan 09, 2018, 2:04pm, PLOTTED BY: dlemm, SAVED BY: kreiser
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 RMLOGO-BRANCH OFFICES; Existing electric gas mains & services;
 CSD-2018/8022-Racine Water UtiliTY/0019_Foxconn Ctr H'vldg Zcdp-WM-CH H-+13.dwg
 Existing Gas Mains & Services_Racine Co Coordinates
 PvdCH-H_West Rd; EboCH-H; Property Info; PvdCH-H_West Rd; EboCH-H; Wetlands-TRC; Wetlands-Cardno; RM_Fmbo; abacthi; bosempr;



C.T.H. "H" TRANSMISSION WATER MAIN		 Ruekert • Mielke Waukesha • Kenosha • Madison Chicago • Global Water Center • Fox Valley www.ruekertmielke.com	
PROPOSED WATER MAIN IN: WEST ROAD FROM: 500' SOUTH OF STH "20" TO: 300' NORTH OF STH "20" RACINE COUNTY, WISCONSIN RACINE WATER & WASTEWATER UTILITY		SECTION(S): RANGE: TOWN:	
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RECORD DRAWING - PLAN VIEW ONLY

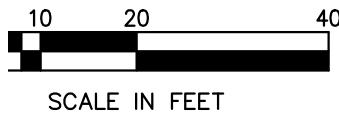
RecPinVw.dwg

GENERAL CONTRACTOR ADVANCE CONSTRUCTION

UNDERGROUND CONTRACTOR ADVANCE CONSTRUCTION

INSTALLATION DATE MARCH 2018 DRAWN BY SJZ DATE APRIL 2018

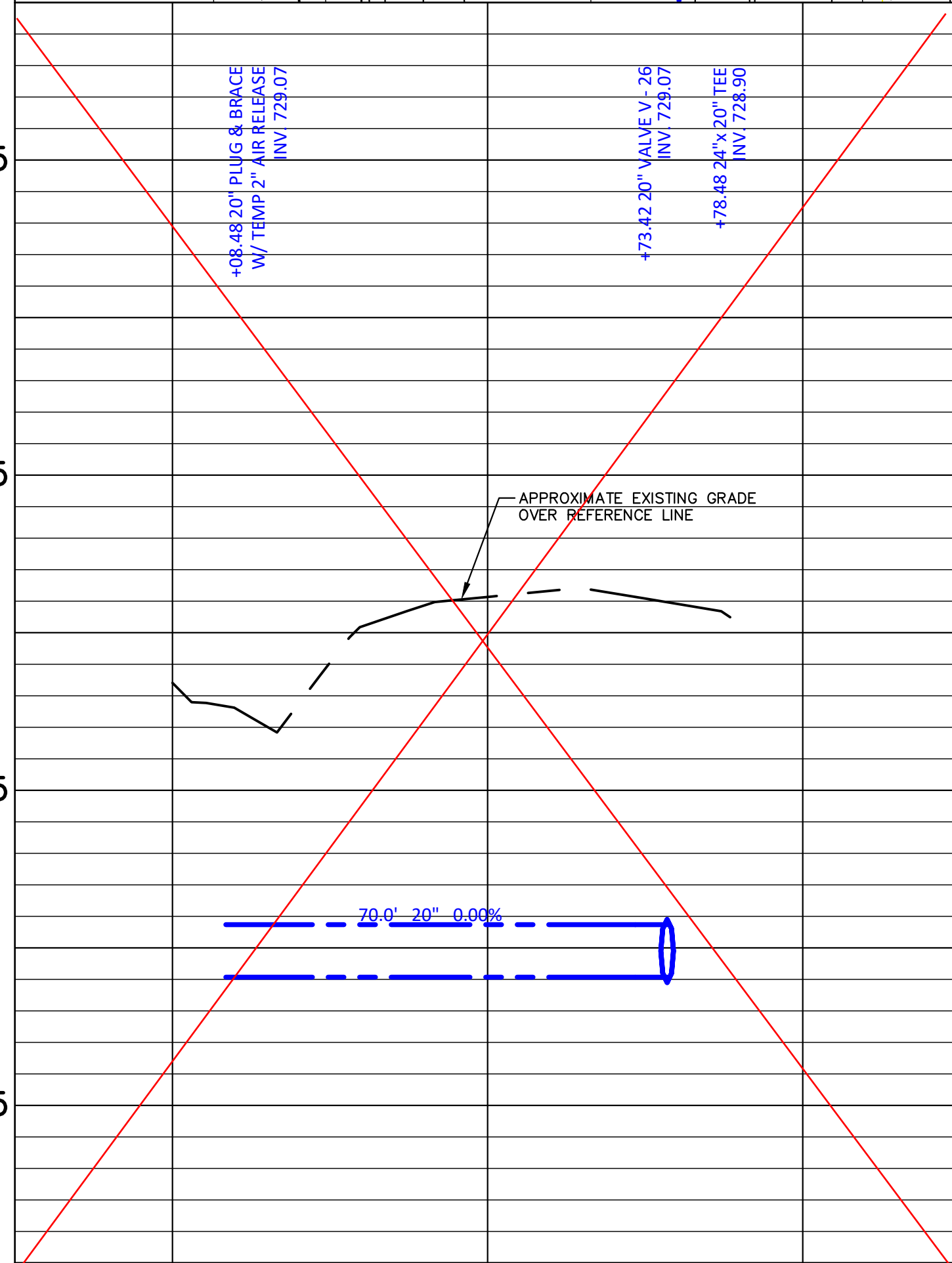
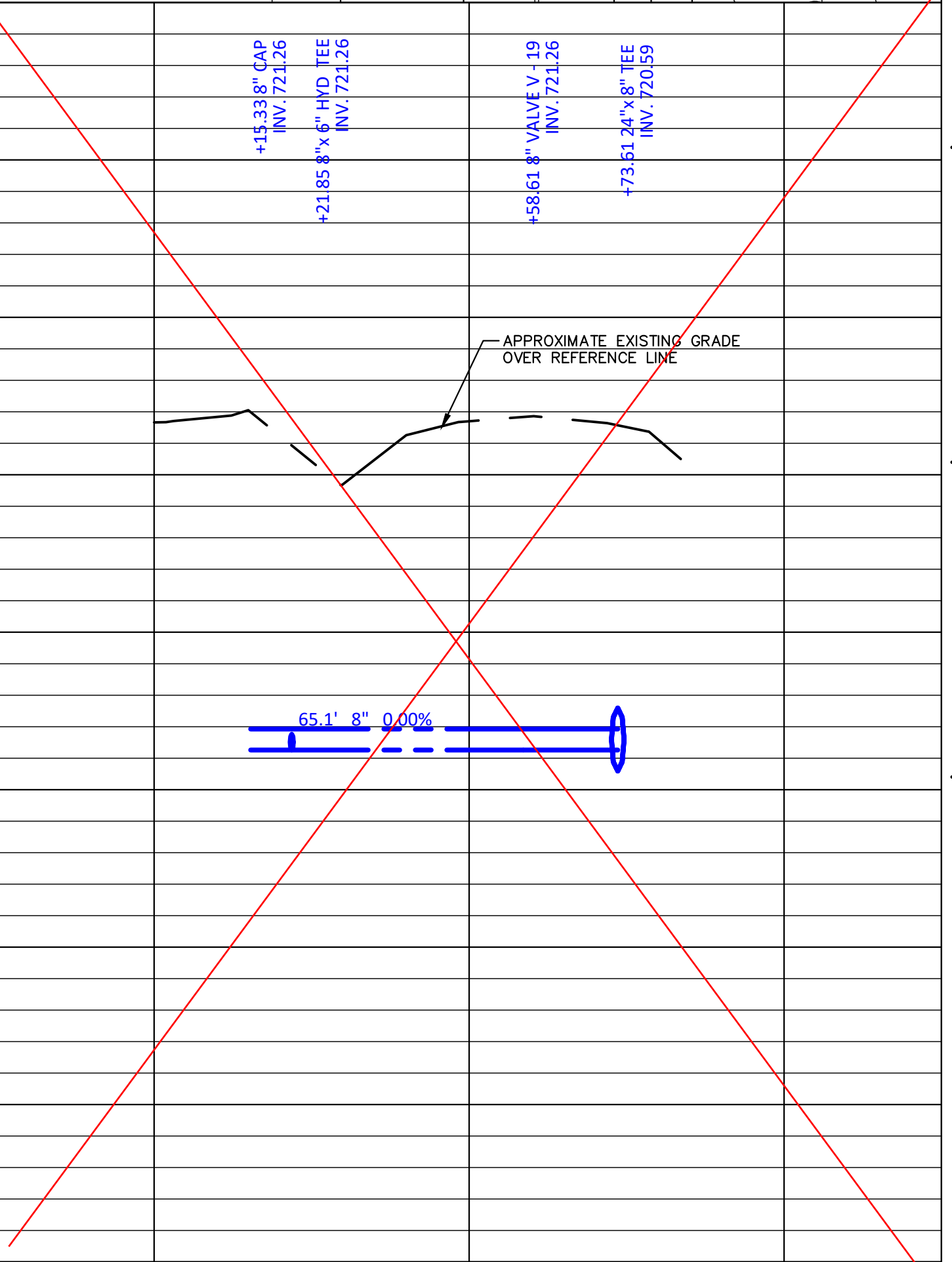
CHECKED BY _____ DATE _____



NOTES:
24" WATER MAIN IS PVC, DR 18
20" WATER MAIN IS PVC, DR 18
8" WATER MAIN IS PVC, DR 18
6" HYDRANT LEAD IS DIWM, CL 53
ANODES PLACED ON FITTINGS
MEGALUGS USED AT ALL FITTINGS.

Draft Print

06/15/2018 10:05:59 AM



C.T.H. "H" TRANSMISSION WATER MAIN

~~PROPOSED CROSSINGS~~

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RACINE WATER & WASTEWATER UTILITY**

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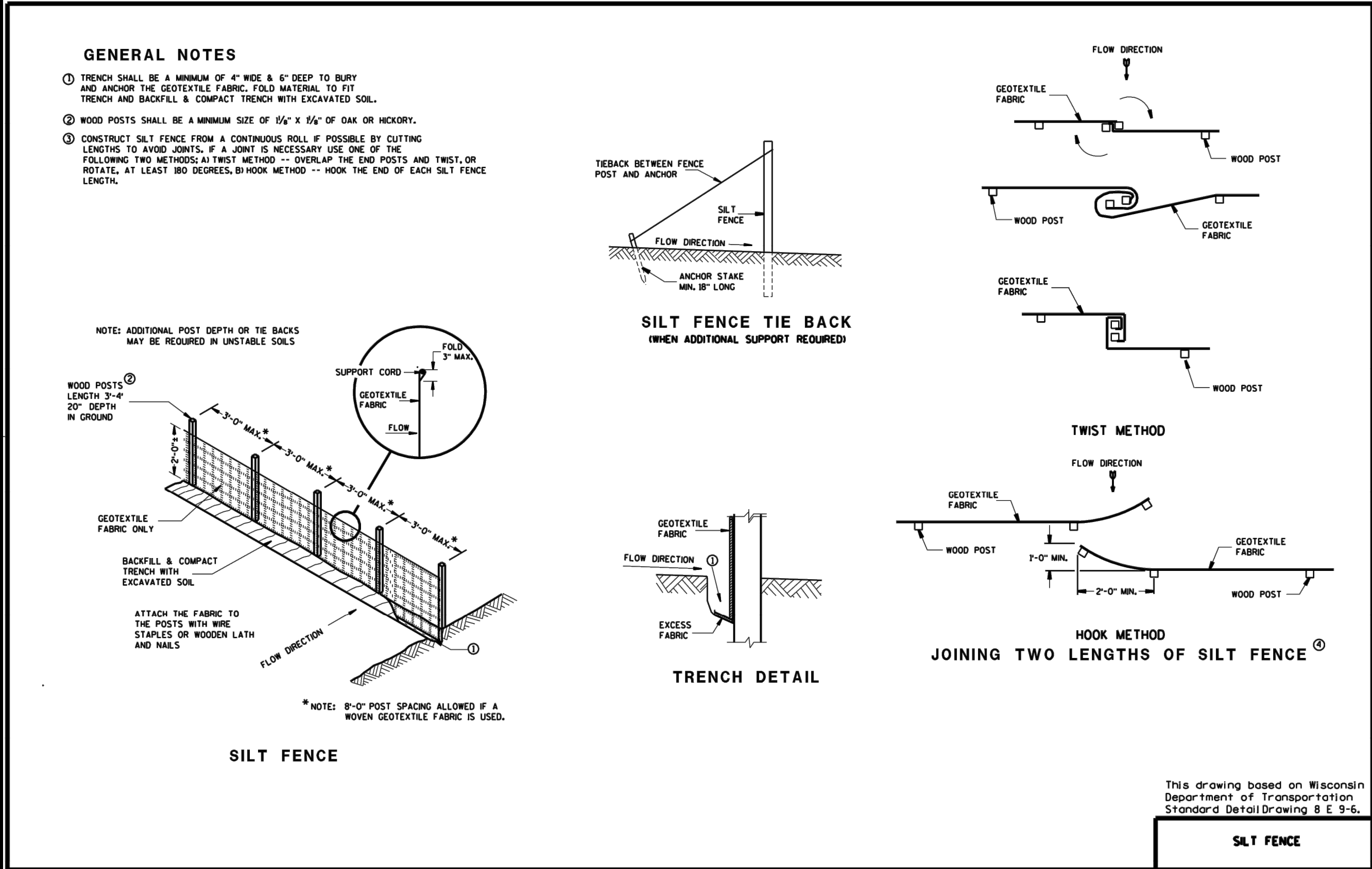
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- Global Water Center
- Fox Valley

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RANGE: . SECTION(s): .

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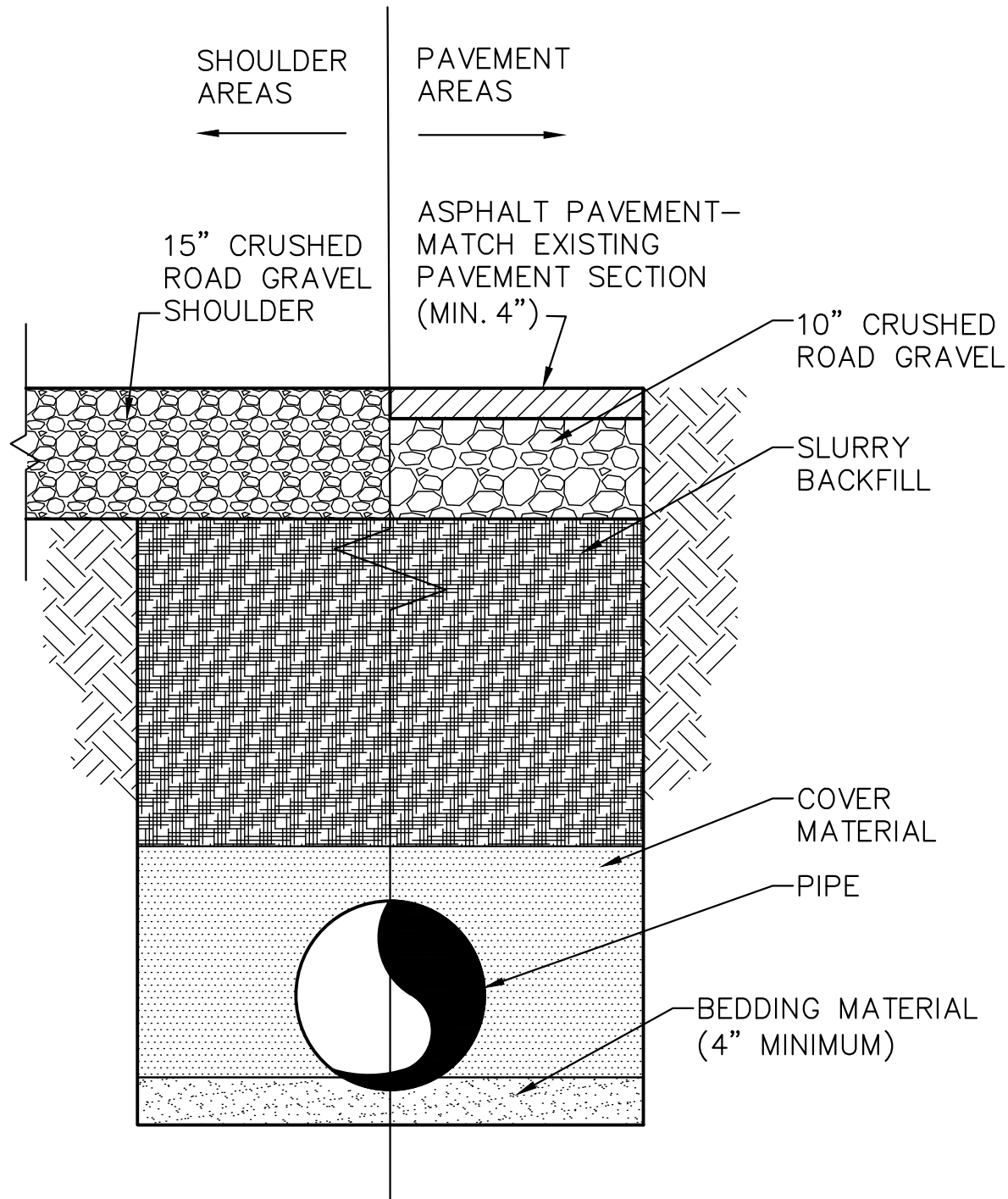


EROSION CONTROL NOTES:

- INSPECTION OF ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE DONE ONCE PER WEEK AND AFTER EVERY PRECIPITATION EVENT OF 1/2-INCH OR GREATER.
- CONTRACTOR SHALL REPAIR DEFICIENT EROSION AND SEDIMENT CONTROL MEASURES WITHIN 24-HOURS AFTER INSPECTION. ADDITIONAL EROSION AND SEDIMENT CONTROL DEVICES NOT SHOWN ON THIS PLAN MAY BE NECESSARY AS A RESULT OF CONSTRUCTION PRACTICES OR AS DIRECTED BY CITY AND/OR ENGINEER.
- CONTRACTOR SHALL NOTIFY AND OBTAIN WRITTEN ACCEPTANCE FROM ENGINEER OF PROPOSED CHANGES TO THE EROSION CONTROL PLAN AND/OR SEQUENCE PRIOR TO IMPLEMENTING THE CHANGE.
- ENGINEER IS UNDER NO OBLIGATION TO ALTER THE CONSTRUCTION SEQUENCE AND/OR EROSION CONTROL PLAN.
- EXCESS MATERIAL THAT IS HAULED OFF SITE SHALL BE CONTRACTOR'S RESPONSIBILITY. CONTRACTOR SHALL OBTAIN PROPER PERMIT APPROVALS FOR EACH FILL SITE. EROSION AND SEDIMENT CONTROL MEASURES, RESTORATION AND STABILIZATION AT FILL SITE IS CONTRACTOR'S RESPONSIBILITY. CONTRACTOR TO NOTIFY OWNER OF ALL FILL AND BORROW SITES.
- CONTRACTOR SHALL SWEEP STREETS ADJACENT TO PROJECT AT THE END OF EACH DAY.
- ALL INSTALLATION, MAINTENANCE AND REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE WISCONSIN DNR TECHNICAL STANDARDS AND THE SLOPE PROTECTION AND EROSION CONTROL SPECIFICATION SECTION 312500.
- IF DEWATERING IS NECESSARY, CONTRACTOR SHALL PROVIDE PROPER DEWATERING SEDIMENT CONTROL DEVICE. DISCHARGE OF SEDIMENT LADEN WATER TO THE STORM SEWER OR SURFACE WATER IS PROHIBITED. DEWATERING STRUCTURE(S) SHALL MEET DNR TECHNICAL STANDARD 1061 & SHALL HAVE SCOUR CONTROL DUE TO WINTER WEATHER CONDITIONS.
- PROVIDE WETLAND RESTORATION SEEDING AND MULCH FOR ALL DISTURBED WETLAND AREAS PER SPECIFICATION.

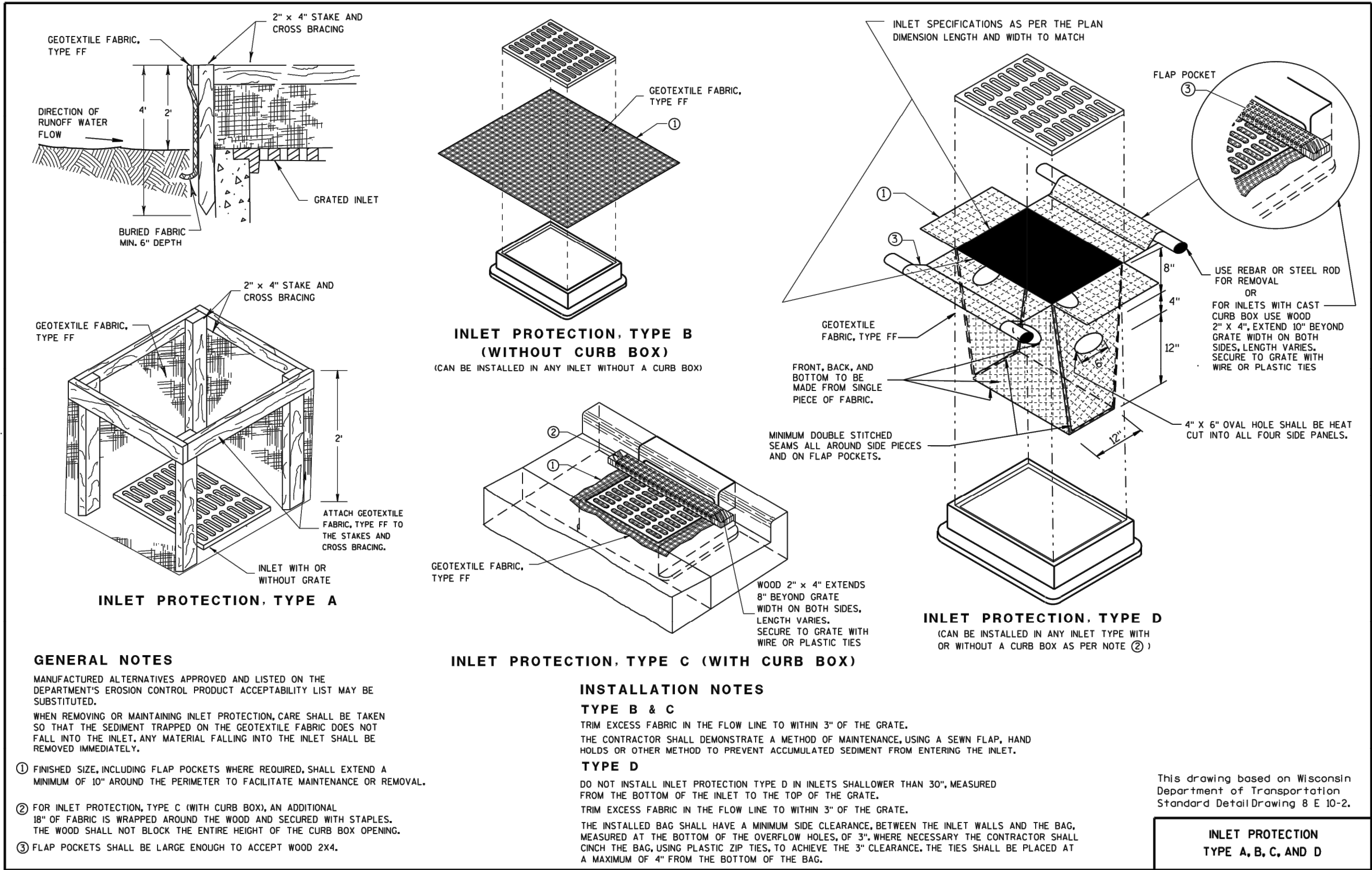
GENERAL CONSTRUCTION SEQUENCE:

- INSTALL TRAFFIC CONTROL MEASURES.
- INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO ANY LAND DISTURBING ACTIVITIES, AS SHOWN ON DRAWINGS AND DIRECTED BY ENGINEER.
- STAGE WORK CONSTRUCTION BY WORK LOCATION.
- BEGIN CONSTRUCTION ACTIVITIES AS SHOWN ON DRAWINGS AND SPECIFICATIONS.
- COMPLETE WATER MAIN EXTENSION.
- COMPLETE CULVERTS AND DITCH GRADING.
- REPAIR DRIVEWAY APPROACHES.
- INSTALL OR ADJUST EROSION CONTROL MEASURES IN NEW FACILITIES. INSTALL ADDITIONAL EROSION CONTROL MEASURES AS NECESSARY.
- STABILIZE NEWLY GRADED AREAS WITHIN 7 DAYS OF BEING INACTIVE.
- COMPLETE FINAL RESTORATION INCLUDING BUT NOT LIMITED TO: SEEDING, TOPSOIL, EROSION MAT.
- REMOVE EROSION AND SEDIMENT CONTROL DEVICES AFTER 80% OF VEGETATION HAS BEEN ESTABLISHED IN ALL RESTORED AREAS. RESTORE DISTURBED AREAS AROUND REMOVED DEVICES, CLEAN OUT STORM WATER STRUCTURES, AND CLEAN SITE.



TYPICAL TRENCH SECTION IN SHOULDER OR ROADWAY

UT-TRENCH-07 4 NO SCALE



C.T.H. "H" TRANSMISSION WATER MAIN

CONSTRUCTION DETAILS

RACINE COUNTY, WISCONSIN

RACINE WATER & WASTEWATER UTILITY

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SHEET NO. DT-01

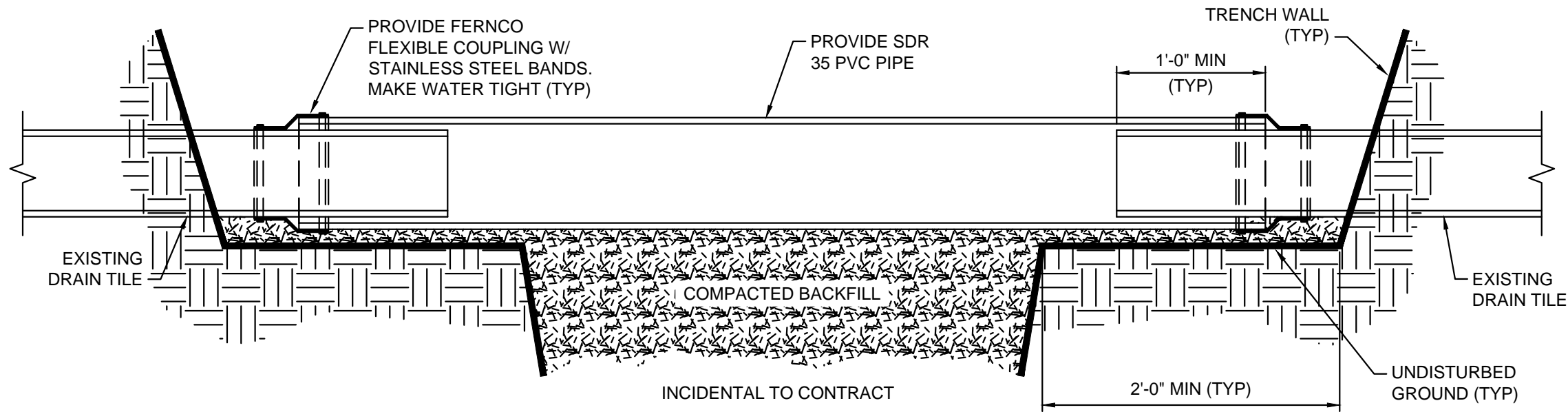
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SECTION(S):
RANGE:
TOWN:

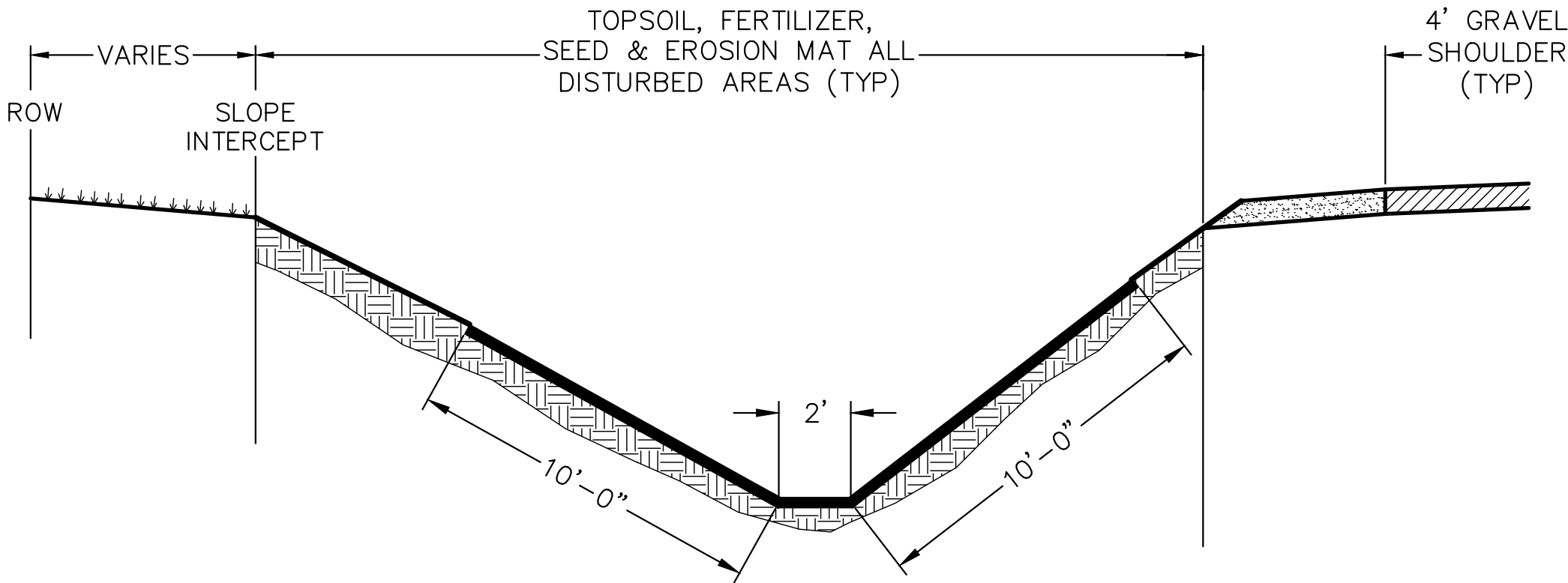
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IMAGES: RM SQUARE_Full Color-Print; RANCH; OFFICES; WT-BR-03; WT-TW-01; WT-LHD-OFFSET; UT-TRENCH-07; Cgdt-Racine Water Utilities; CgdtFarmDrainageTileReconnection; EC-DITCH-05; EC-GNL-03
C:\SD-2018\6022_Racine Water Utility\0019_Foxconn CTH Hdg\Zcp-Construction Details-Ditching



FARM DRAINAGE TILE RECONNECTION DETAIL

CGDT-FARM DRAINAGE TILE RECONNECTION

NO SCALE



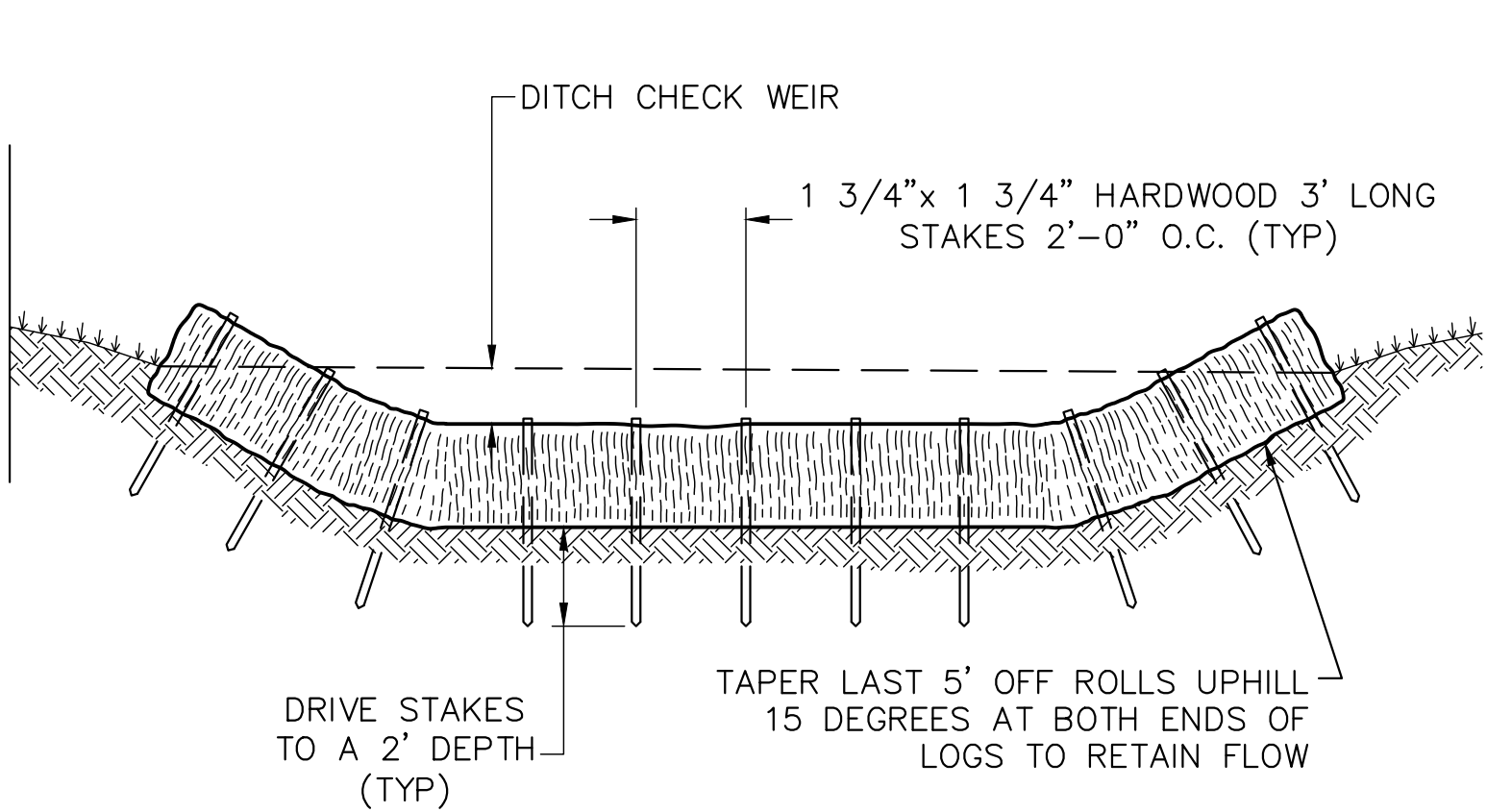
- NOTES:
1. PROVIDE RAPID PHOTODEGRADABLE MAT WITH BIODEGRADABLE PEGS.
 2. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

TYPICAL DITCH RESTORATION DETAIL

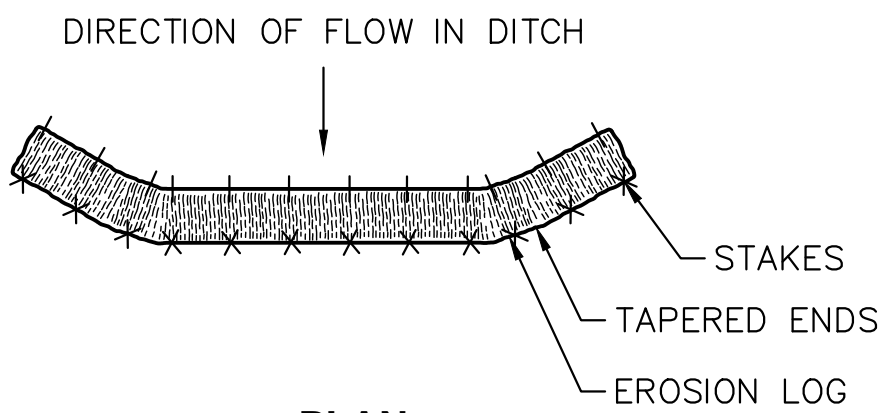
EC-DITCH-05

32

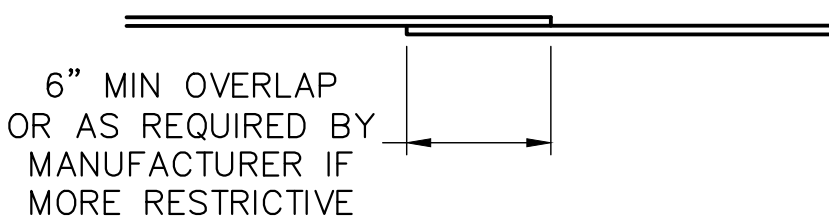
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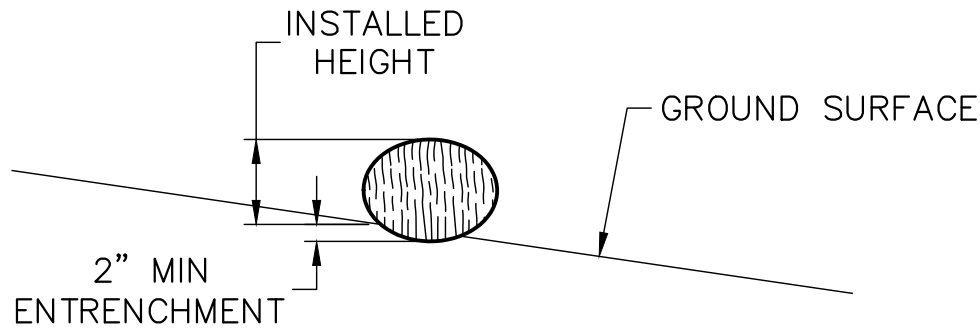
PROFILE



PLAN

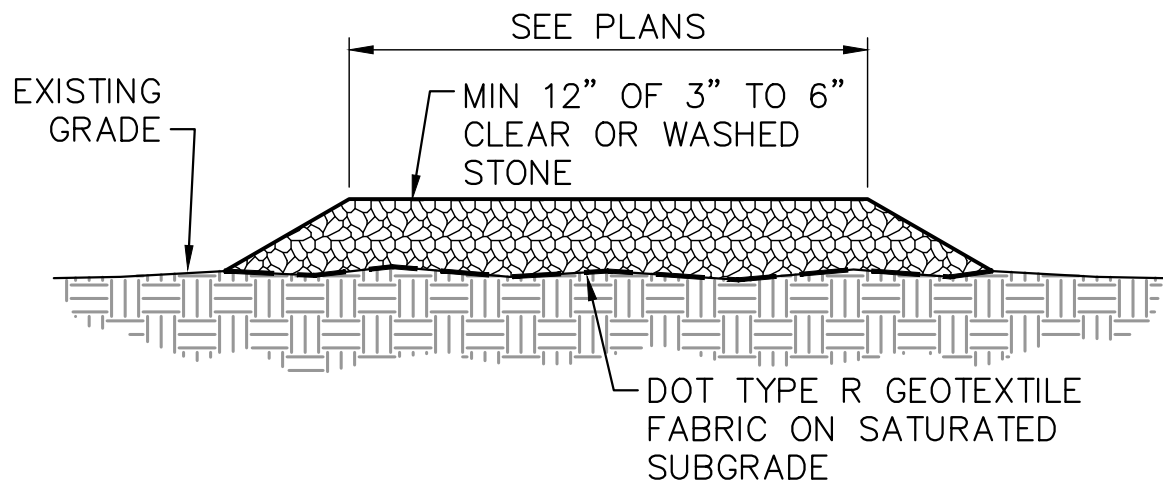


TYPICAL PERIMETER CONTROL INSTALLATION



CROSS SECTION

NOTE:
INSTALLED HEIGHT IS MEASURED FROM THE UPSLOPE GROUND SURFACE TO THE TOP OF THE PRODUCT. DUE TO SETTLEMENT AND/ OR DEFORMATION, THE INSTALLED HEIGHT MAY NOT BE EQUIVALENT TO THE NOMINAL DIAMETER OF THE PRODUCT.



PAD MAY BE POSITIONED AS PERMANENT DRIVEWAY SUBBASE IF PLACED ON MINERAL SOIL AND IT MEETS BEARING & COMPACTION REQUIREMENTS BEFORE BASE PLACEMENT.

TRACKING PAD

EC-GNL-03

1

NO SCALE

NOTE:
DITCH CHECK SHALL BE INSTALLED SO THAT THE ENDS OF THE CHECK ARE HIGHER IN ELEVATION THAN THE MIDDLE IN ORDER TO FORM A WEIR.

MANUFACTURED DITCH CHECK AND PERIMETER CONTROL DETAIL

EC-DITCH-07

16

NO SCALE

7	6	5	4	3	2	1	TOWN:	RANGE:	SECTION(S):
7	6	5	4	3	2	1			

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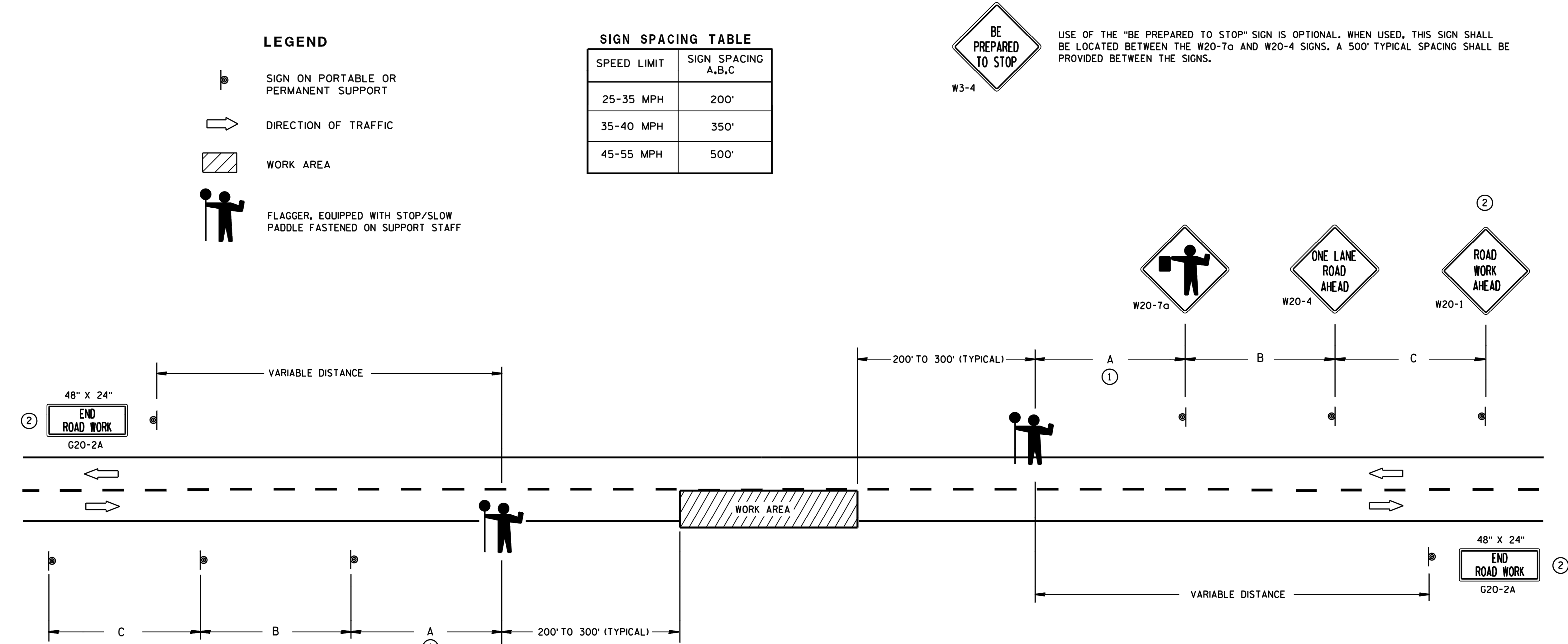
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CONSTRUCTION DETAILS
RACINE COUNTY, WISCONSIN
RACINE WATER & WASTEWATER UTILITY

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IMAGES: RM SQUARE_Full Color-Print; OFFICES: WI-BR-03; WI-TW-01; WI-HND-OFFSET; UT-TRENCH-07; Cgd-Racine Water Utilities; Cgd-FarmDrainageTieReconnection; EC-DITCH-07; EC-DITCH-05; EC-ONL-03
G:\CD-2018\8022_Racine Water Utility\0019_Foxconn CTH H.Way\Zcp-Construction Details-Drawing

15C12: Traffic Control for Lane Closure (Suitable for Moving Operations)



LEGEND

- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN SPACING TABLE

SPEED LIMIT	SIGN SPACING A,B,C
25-35 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES (AND THE LOCATION OF ALL FLAGGERS) SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, COVER OR REMOVE ALL TEMPORARY TRAFFIC CONTROL SIGNS.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
8/2013 /S/ Travis Feltes
DATE STATE TRAFFIC ENGINEER OF DESIGN
FHWA

7	6	5	4	3	2	1	TOWN	RANGE	SECTION(S)
Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ

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DT-04

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15D27: Traffic Control, Shoulder Closure on Divided Roadway, Speeds Greater than 40 M.P.H.

S.D.D. 15 D 27-2