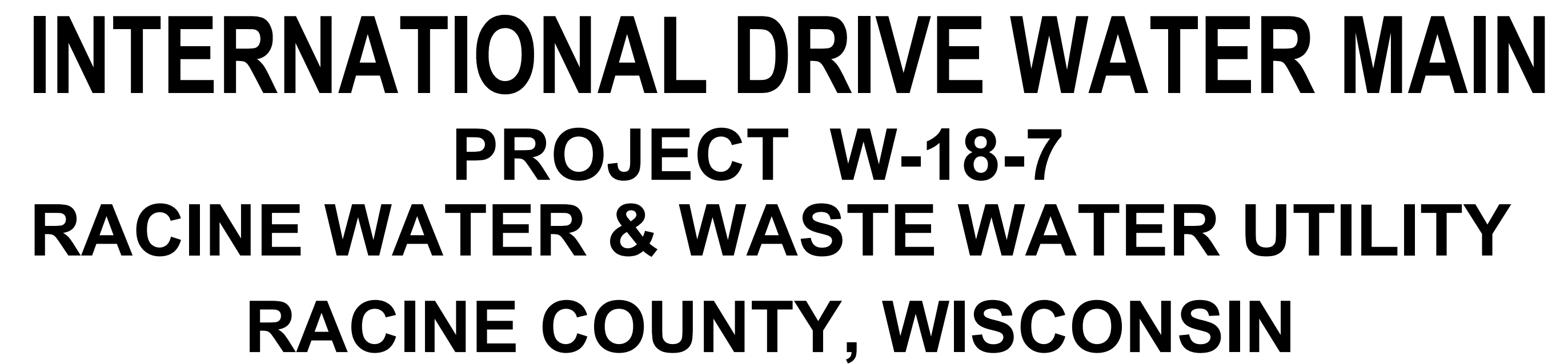




	GENERIC MANHOLE		TELEPHONE BOX		FLAG POLE		PROPOSED SILT FENCE
	GENERIC VENT		TELEPHONE MANHOLE		MAIL BOX		PROPOSED SANITARY SEWER (PLAN VIEW)
	SEWER MANHOLE		CABLE BOX		POST		PROPOSED STORM SEWER (PLAN VIEW)
	CLEAN OUT		UTILITY POLE		DELINEATOR POST		PROPOSED WATER MAIN
	SEPTIC SYSTEM		GUY WIRE		MARKER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

0 750 1500 3000

SCALE IN FEET

PROJECT NO. 8022-10024.200

INTERNATIONAL DRIVE WATER MAIN

PROJECT W-18-7

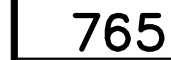
RACINE WATER & WASTE WATER UTILITY

RACINE COUNTY, WISCONSIN

SHEET INDEX

SHEET NO.	LOCATION	DESCRIPTION
<u>MISCELLANEOUS</u>		
INDEX-01		INDEX SHEET
<u>TRAFFIC CONTROL</u>		
TC-01		PROPOSED TRAFFIC CONTROL
<u>WATER MAIN</u>		
WM-01R-2	IN: INTERNATIONAL DRIVE PROPOSED WATER MAIN	FROM: STH 11 / DURAND AVE TO: 700' NORTH OF STH 11 / DURAND AVE
WM-02	IN: INTERNATIONAL DRIVE PROPOSED WATER MAIN	FROM: 700' NORTH OF STH 11 / DURAND AVE TO: 1700' NORTH OF STH 11/DURAND AVE
WM-03	IN: INTERNATIONAL DRIVE PROPOSED WATER MAIN	FROM: 1700' NORTH OF STH 11/DURAND AVE TO: 1300' SOUTH OF LOUIS SORENSON RD
WM-04	IN: INTERNATIONAL DRIVE PROPOSED WATER MAIN	FROM: 1300' SOUTH OF LOUIS SORENSON RD TO: 300' SOUTH OF LOUIS SORENSON RD
WM-05R-1	IN: INTERNATIONAL DRIVE PROPOSED WATER MAIN	FROM: 300' SOUTH OF LOUIS SORENSON RD TO: 700' NORTH OF LOUIS SORENSON RD
WM-06R-2	IN: INTERNATIONAL DRIVE PROPOSED WATER MAIN	FROM: 700' NORTH OF LOUIS SORENSON RD TO: 1700' NORTH OF LOUIS SORENSON RD
WM-07R-2	IN: INTERNATIONAL DRIVE PROPOSED WATER MAIN	FROM: 1700' NORTH OF LOUIS SORENSON RD TO: 2300' NORTH OF LOUIS SORENSON RD
WM-08R-1	IN: LOUIS SORENSON ROAD PROPOSED WATER MAIN	FROM: 300' WEST OF INTERNATIONAL DRIVE TO: 300' EAST OF INTERNATIONAL DRIVE
<u>CONSTRUCTION DETAILS</u>		
DT-01R-1 - DT-05		CONSTRUCTION DETAILS

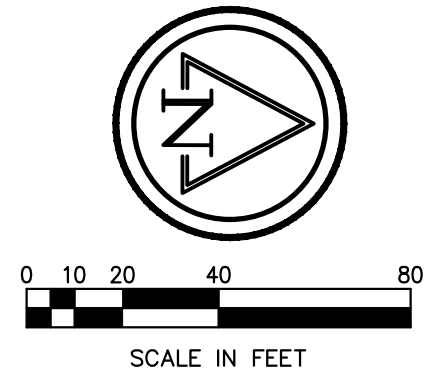
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CREUZIGER FARMS INC
11823 DURAND AVE
TAX KEY: 151032229009000

JOHN H FONK
5110 69TH DR
TAX KEY: 151032229001000

PETER ZENNER FAMILY FARM LLC
12123 LOUIS SORENSON RD
TAX KEY: 151032220025000

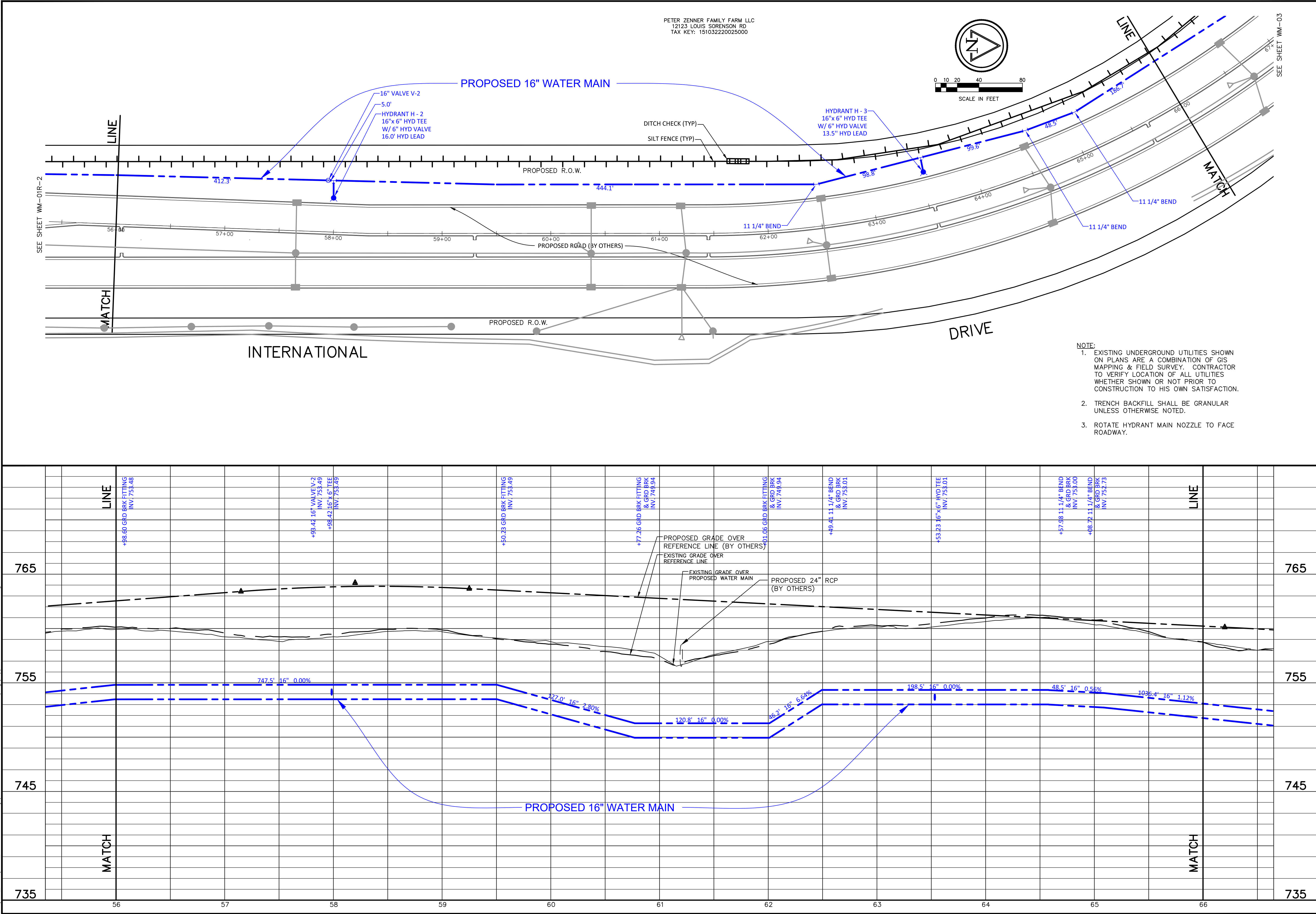


INTERNATIONAL DRIVE WATER MAIN PROPOSED WATER MAIN IN: INTERNATIONAL DRIVE FROM: STH 11 / DURAND AVE TO: 700' NORTH OF STH 11 / DURAND AVE RACINE WATER & WASTE WATER UTILITY RACINE COUNTY, WISCONSIN		 Ruekert • Mielke Waukesha • Kenosha • Madison Chicago • Global Water Center • Fox Valley www.ruekertmielke.com		7 6 5 4 3 2 1 REVISIONS FOR CONSTRUCTIONS ADDITION NO. 4 DATE 07/31/18 04/13/18
© COPYRIGHT 2018 RUEKERT & MIELKE INC. DESIGNED BY: CMG DRAFTED BY: AK1 CHECKED BY: KRW DATE: MARCH 2018 FILE NO. 8022-10024.200		TOWN: T3N RANGE: R22E SECTION(s): 20 SW		
SHEET NO. WM-01R-2				

INTERNATIONAL DRIVE WATER MAIN
PROPOSED WATER MAIN
IN: INTERNATIONAL DRIVE
FROM: STH 11 / DURAND AVE
TO: 700' NORTH OF STH 11 / DURAND AVE
RACINE WATER & WASTE WATER UTILITIES
RACINE COUNTY, WISCONSIN

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SHEET NO. WM-01R-2

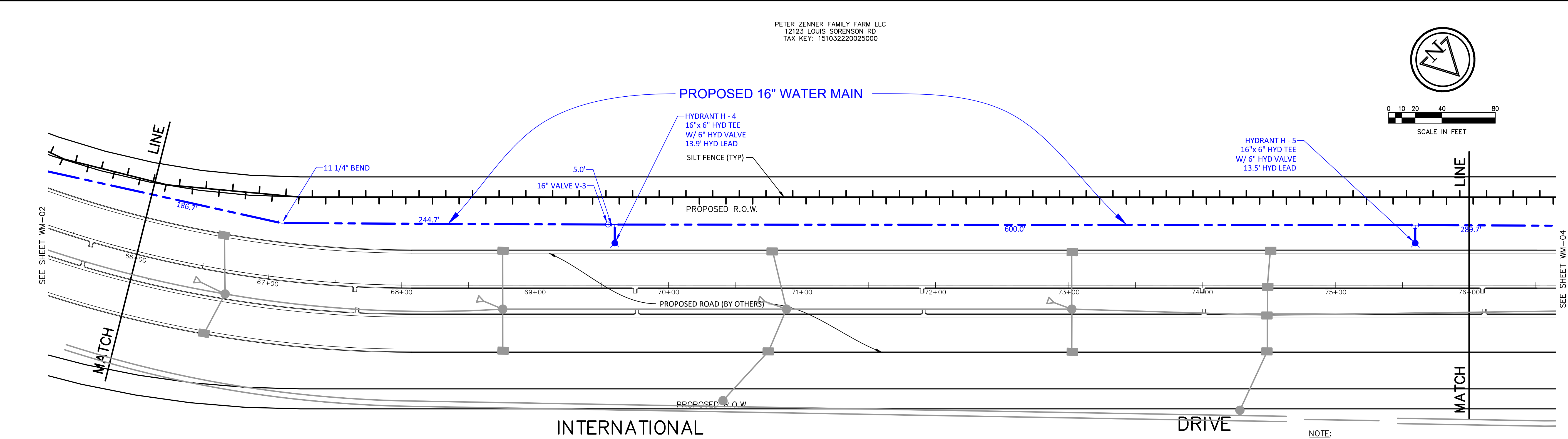
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IMAGES: RM SQUARE_Full Color-Print;
XREFS: m223440; RML060-BRANCH OFFICES; views; abanitor; eabo_international; rd; pmba; by others; Pbaa; (by others); utba-international; Wetlands-TRC; Wetlands-Cordno; Proposed ROW_Kapur; Basemap; 27040005-dli-20180306; Prop's sto swr overall 20180717 _by others
S:\CD-2018\8022-Source Water Utility\0024-International Drive Water Main\DWG\0024-International Drive Water Main.dwg



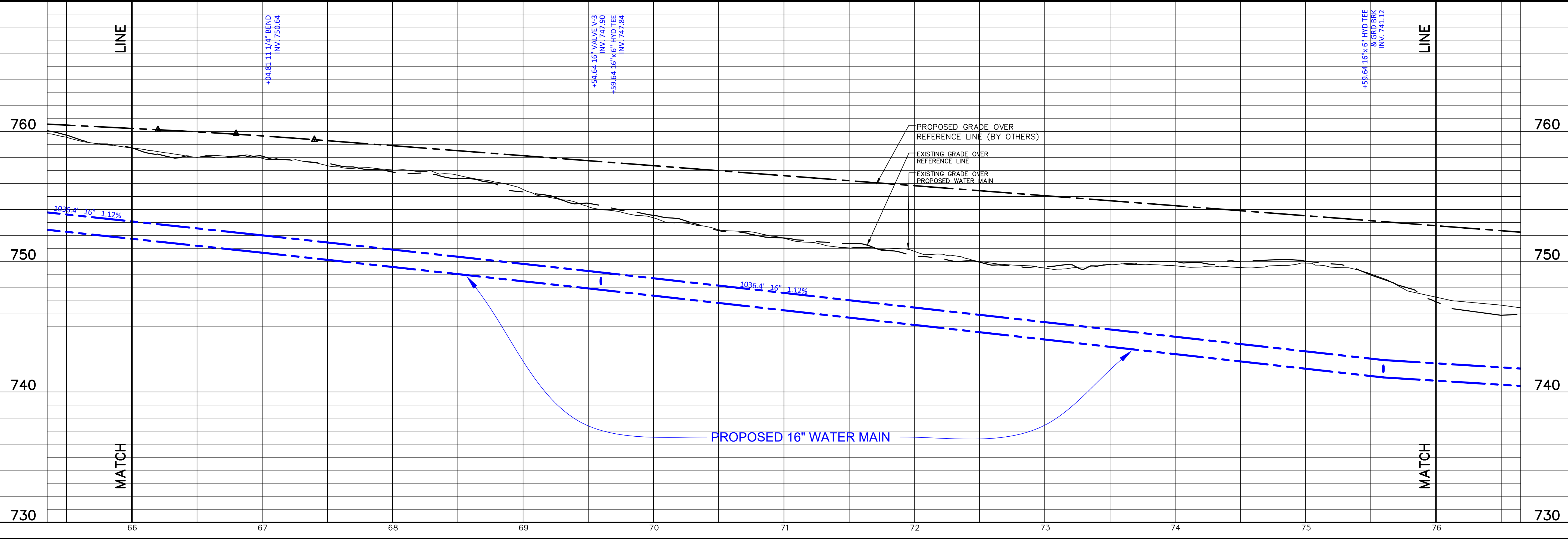
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Ruekert • Mielke Waukesha • Kenosha • Madison Chicago • Global Water Center • Fox Valley www.ruekertmielke.com									
INTERNATIONAL DRIVE WATER MAIN PROPOSED WATER MAIN IN: INTERNATIONAL DRIVE FROM: 700' NORTH OF 5TH 11 / DURAND AVE TO: 1700' NORTH OF 5TH 11 / DURAND AVE RACINE WATER & WASTE WATER UTILITY RACINE COUNTY, WISCONSIN									
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DESIGNED BY: CMG									
DRAFTED BY: AK1									
CHECKED BY: KRW									
DATE: MARCH 2018									
FILE NO. 8022-10024.200									
SHEET NO. WM-02									

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Aug 01, 2018 12:04pm PLOTTED BY: AKreuser SAVED BY: AKreuser
IMAGES: RM SQUARE_Full Color-Print; XREFS: m223440; RML060-BRANCH OFFICES; views: abanitor; eabo_international rd; pmba-by others; Pbaa-(by others); utba-international; Wetlands-TRC; Wetlands-Cordno; Proposed ROW_Kapur; Basemap; RM_Pmba; Existing Electric; Existing Gas Mains & Services; Racine Co Coordinates; 27040005-dli-20180306; Prop's sto
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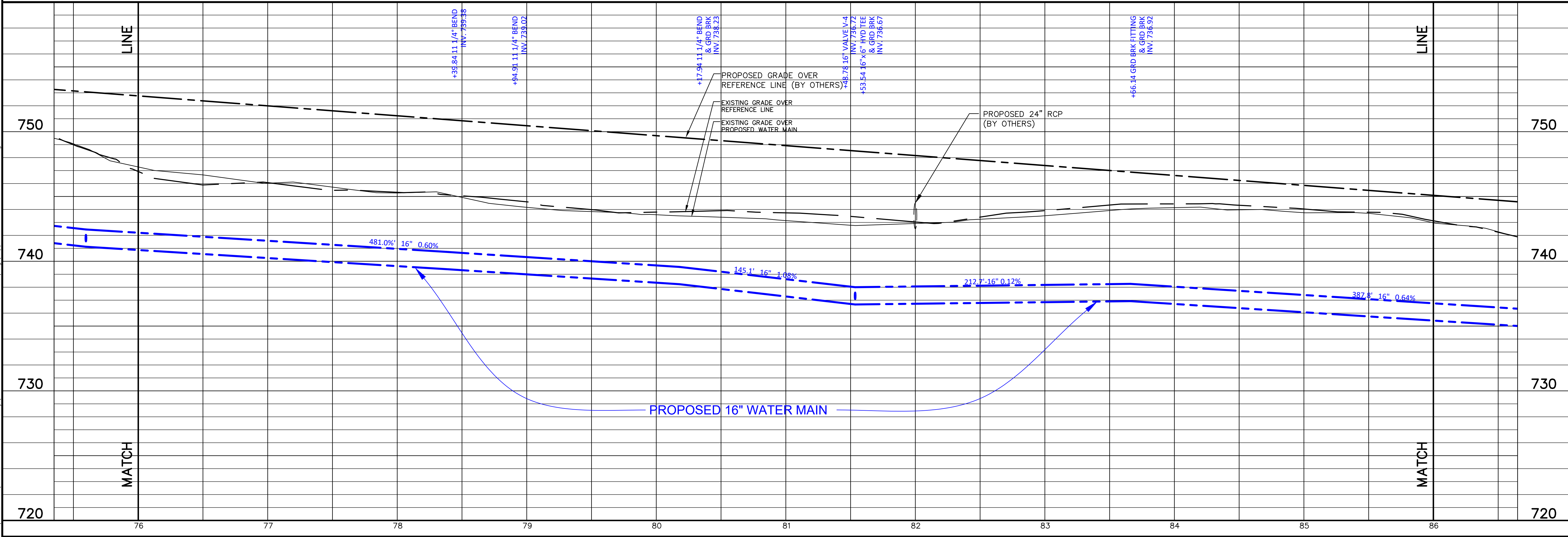
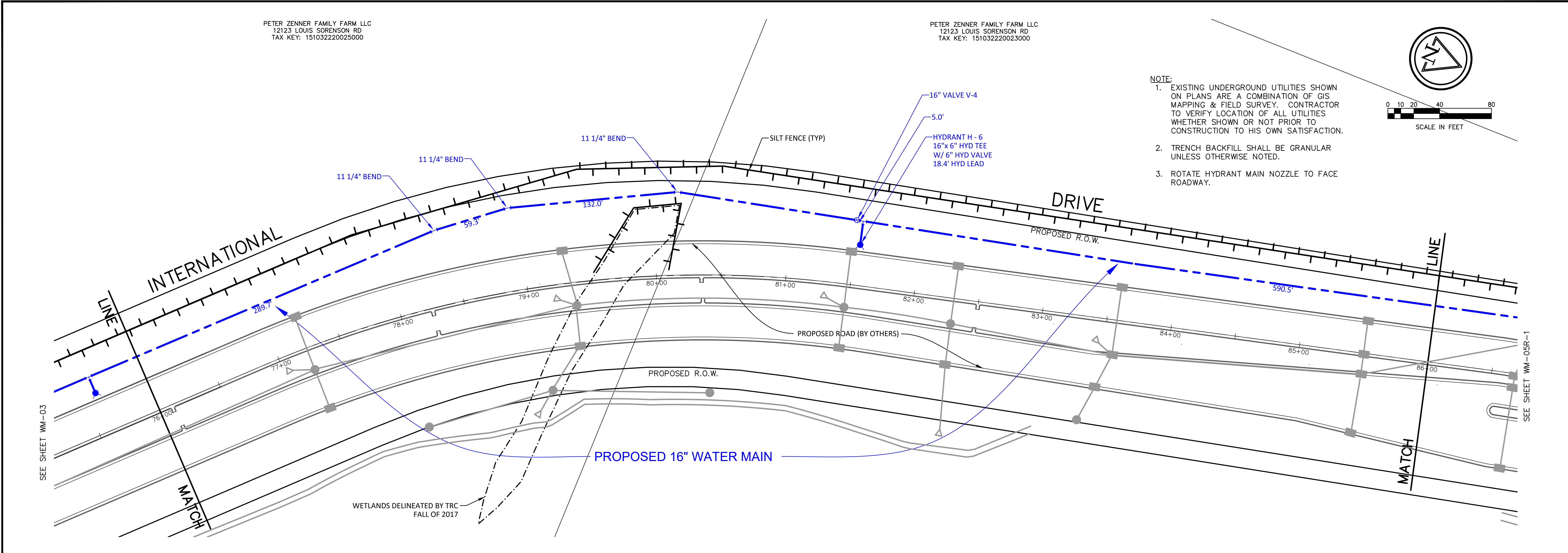
- NOTE:
- EXISTING UNDERGROUND UTILITIES SHOWN ON PLANS ARE A COMBINATION OF GIS MAPPING & FIELD SURVEY. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES WHETHER SHOWN OR NOT PRIOR TO CONSTRUCTION TO HIS OWN SATISFACTION.
 - TRENCH BACKFILL SHALL BE GRANULAR UNLESS OTHERWISE NOTED.
 - ROTATE HYDRANT MAIN NOZZLE TO FACE ROADWAY.



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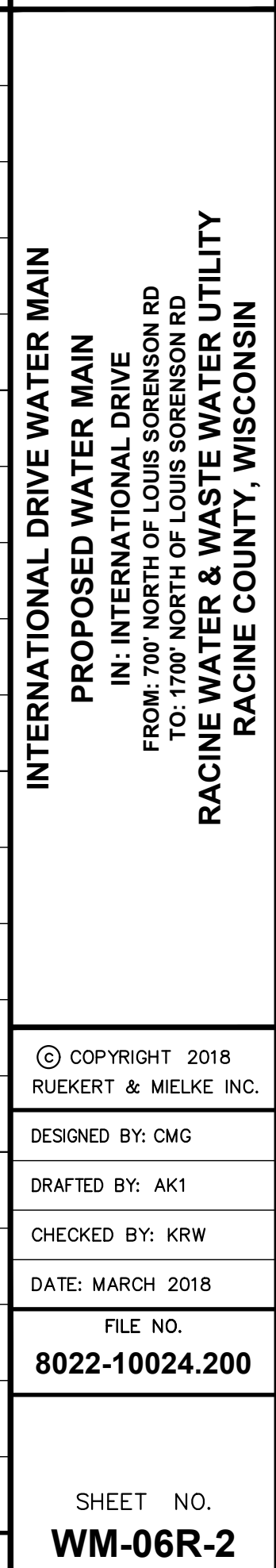
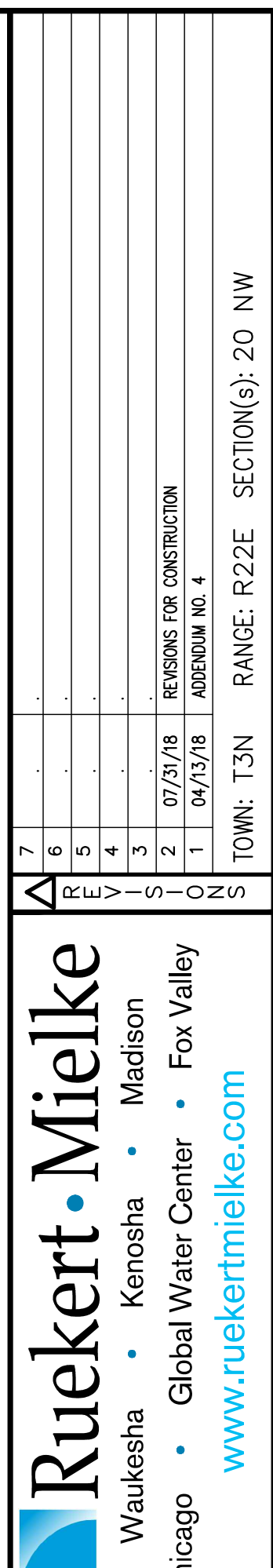
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XREFS: m223440; RML060-BRANCH OFFICES; views; AbnbnDr; ebo-International rd; pmbo-by others; pba- (by others); utba-International; Wetlands-Cordia; Wetlands-TRC; Proposed ROW_Kapur; Basemap; 27040005-dli-20180306; Prop's sto sw overall 20180717 _by others
S:\CD-2018\8022-Source Water Utility\0024-International Drive Water Main\Views\CDP-WM-International RD-04.dwg

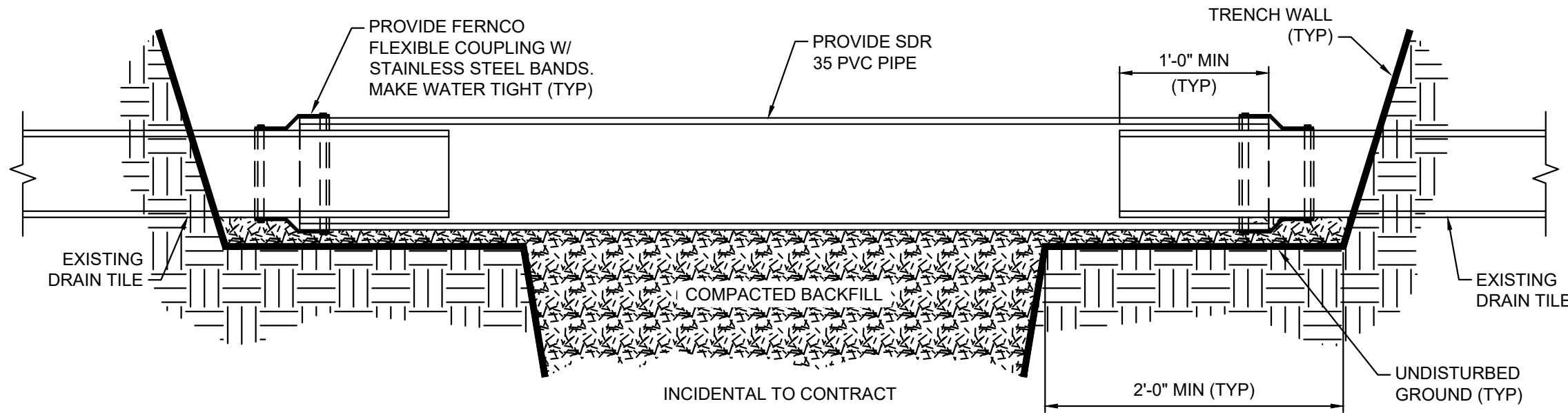


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Ruekert • Mielke Waukesha • Kenosha • Madison Chicago • Global Water Center • Fox Valley www.ruekertmielke.com																			
INTERNATIONAL DRIVE WATER MAIN PROPOSED WATER MAIN IN: INTERNATIONAL DRIVE FROM: 1300' SOUTH OF LOUIS SORENSON RD TO: 300' SOUTH OF LOUIS SORENSON RD RACINE WATER & WASTE WATER UTILITY RACINE COUNTY, WISCONSIN																			
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DATE: MARCH 2018																			
FILE NO. 8022-10024.200																			
SHEET NO. WM-04																			

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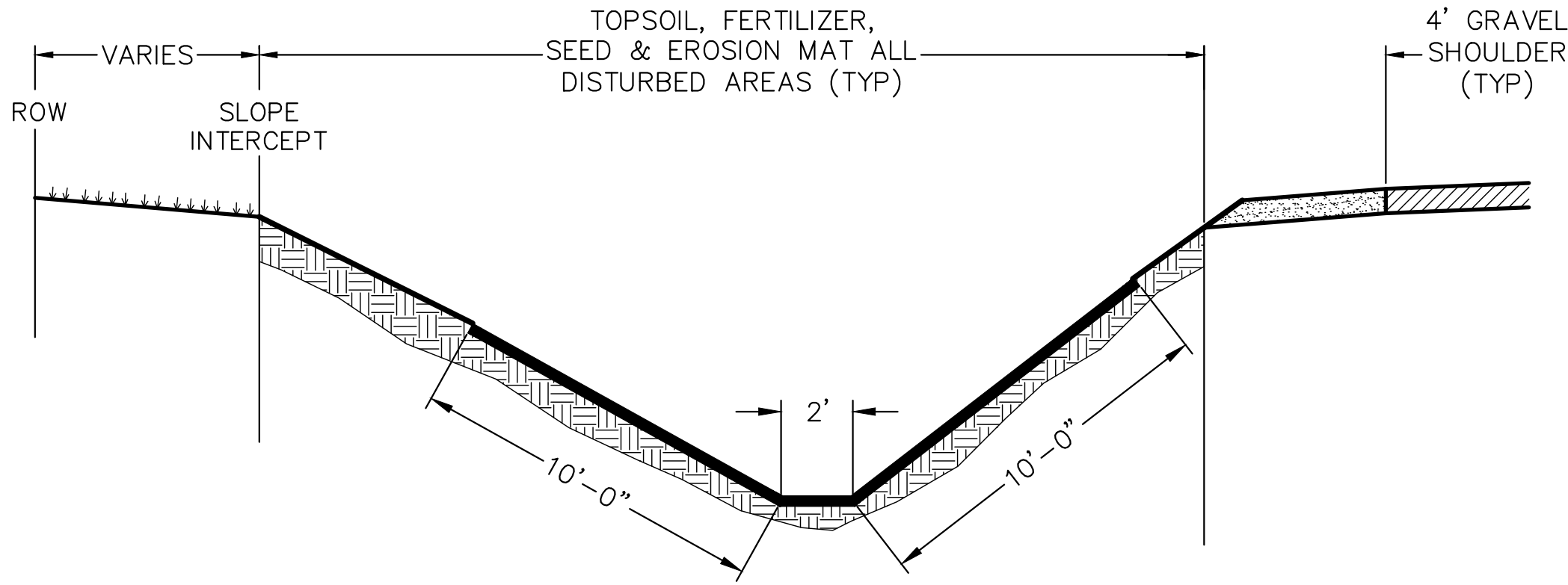
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FARM DRAINAGE TILE RECONNECTION DETAIL

CGDT-FARM DRAINAGE TILE RECONNECTION

NO SCALE



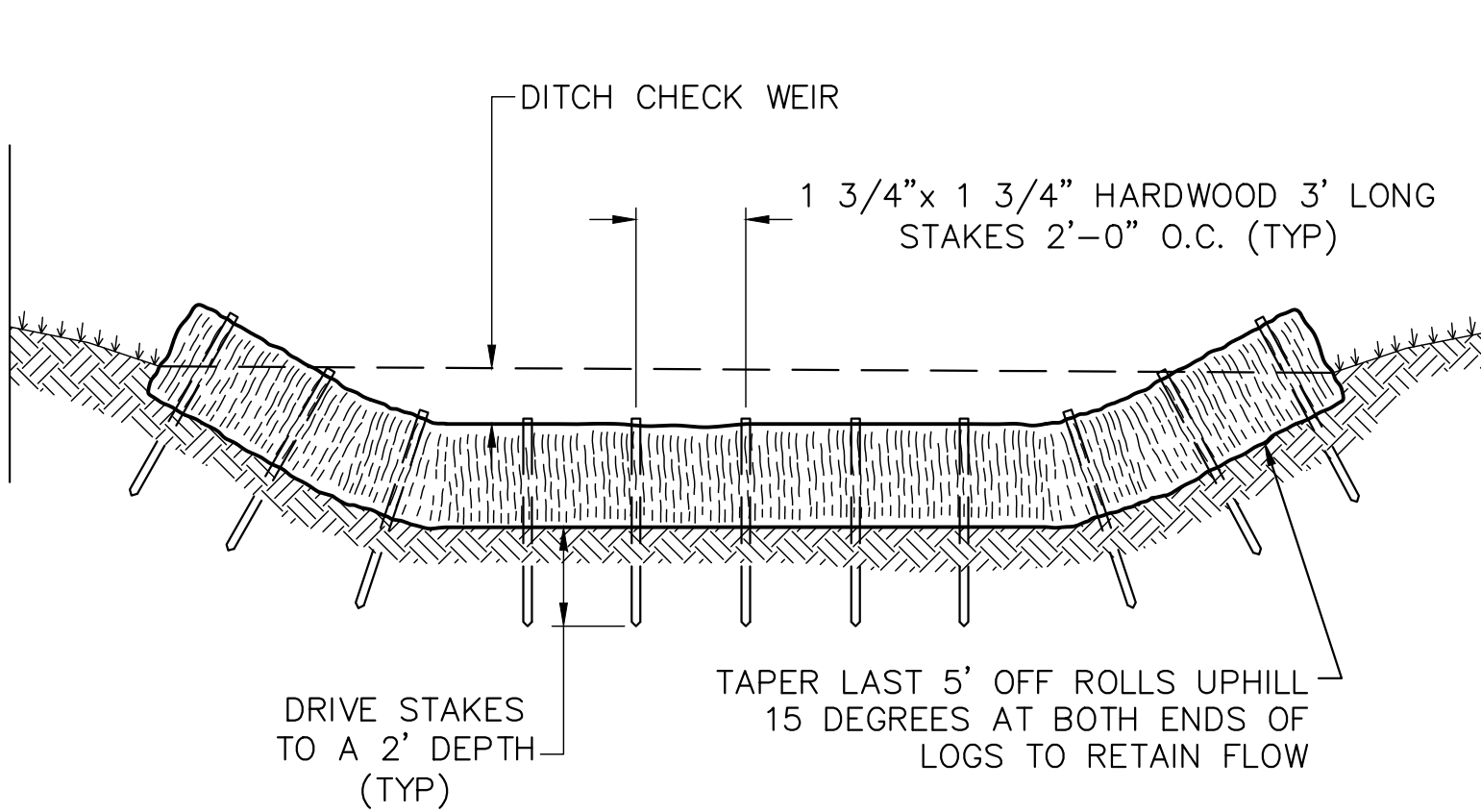
- NOTES:
1. PROVIDE RAPID PHOTODEGRADABLE MAT WITH BIODEGRADABLE PEGS.
 2. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

TYPICAL DITCH RESTORATION DETAIL

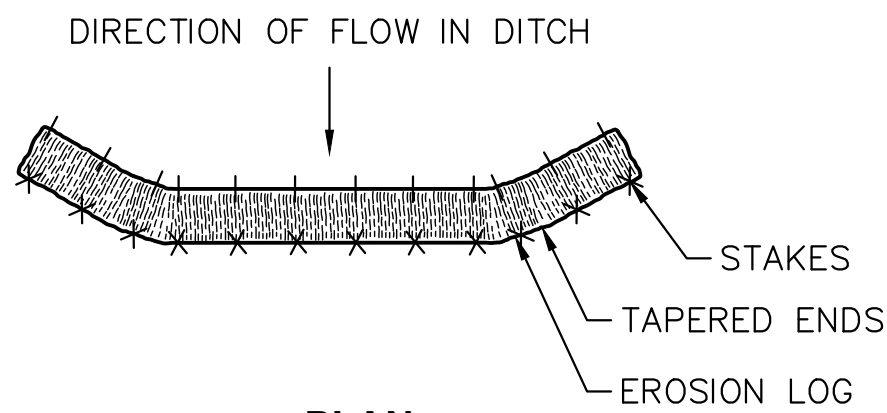
EC-DITCH-05

32

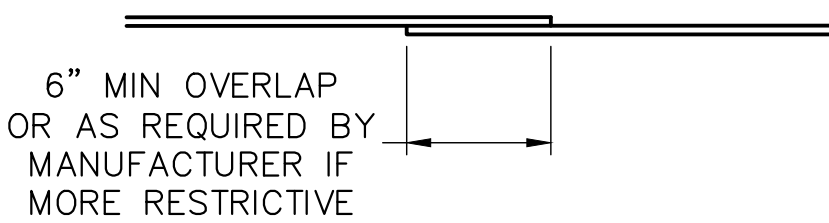
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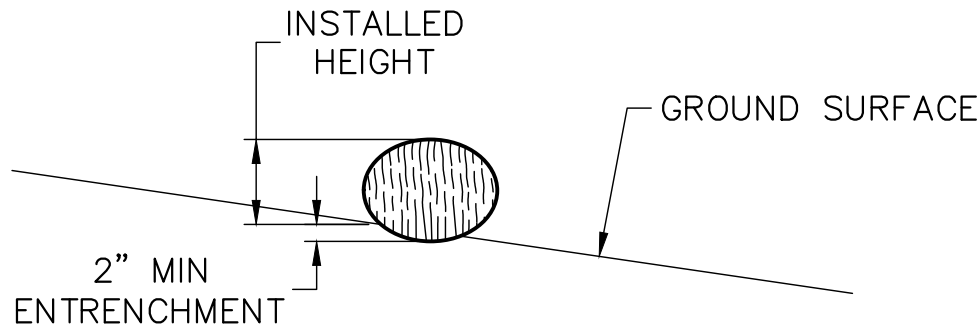
PROFILE



PLAN

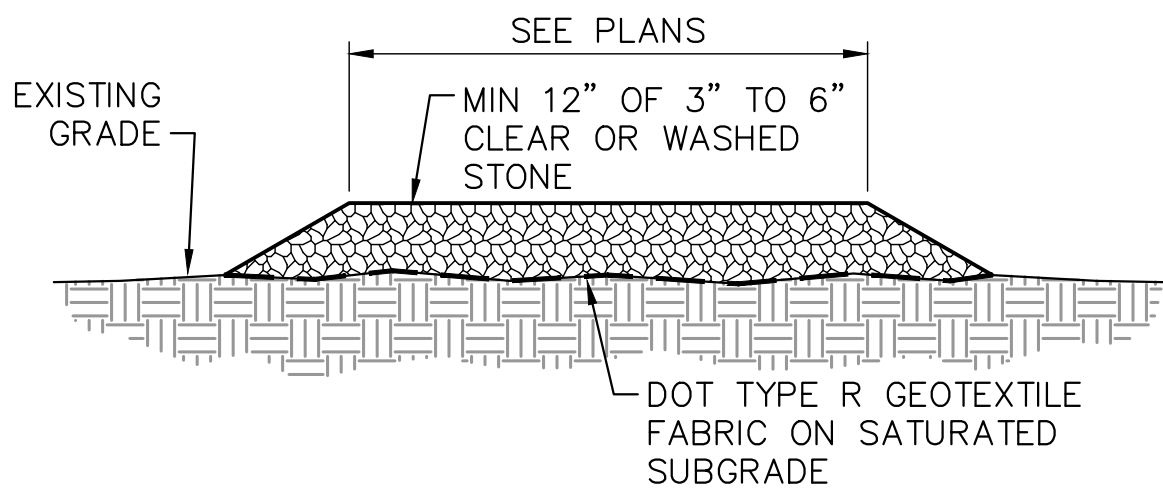


TYPICAL PERIMETER CONTROL INSTALLATION



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):
1	2	3	4	5	6	7			

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INTERNATIONAL DRIVE WATER MAIN
CONSTRUCTION DETAILS
RACINE WATER & WASTE WATER UTILITY
RACINE COUNTY, WISCONSIN

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

LEGEND

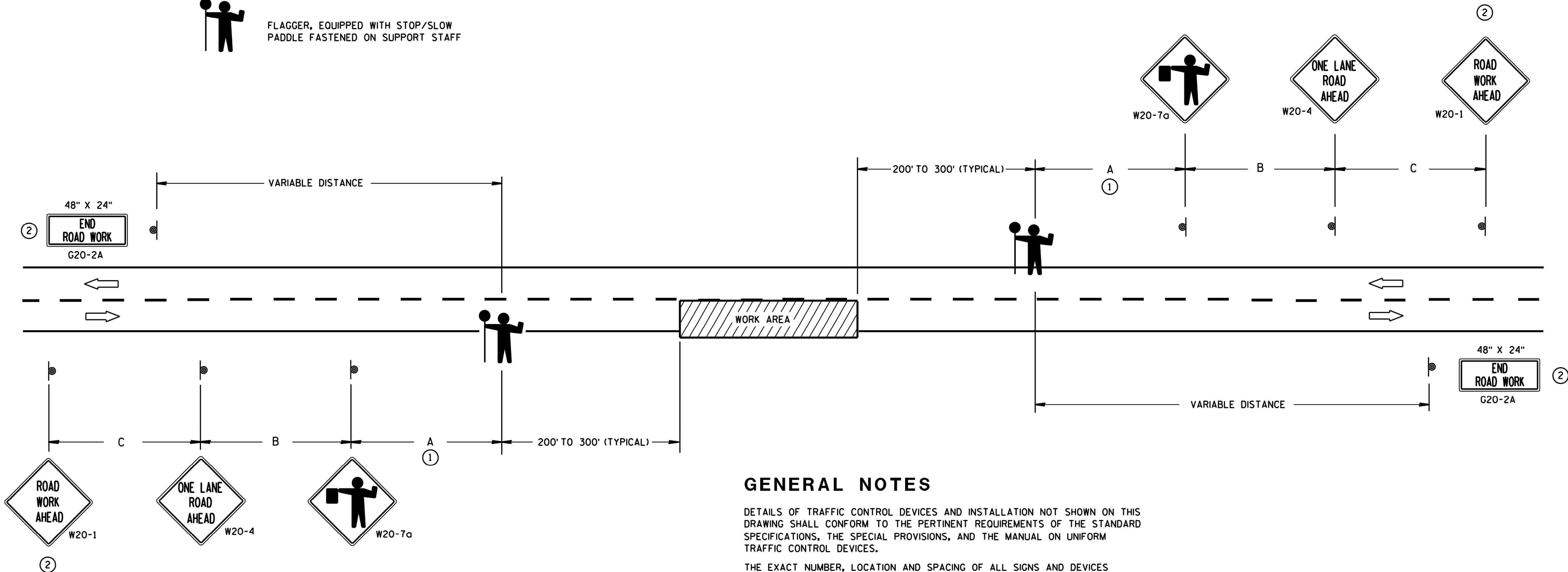
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

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.



- FOR A MOVING WORK OPERATION, SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

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)
A	2	3	4	5	6	7			

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INTERNATIONAL DRIVE WATER MAIN
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RACINE COUNTY, WISCONSIN

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SHEET NO.
DT-03



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

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- ⚡ FLASHING ARROW BOARD
- ▨ WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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

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

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

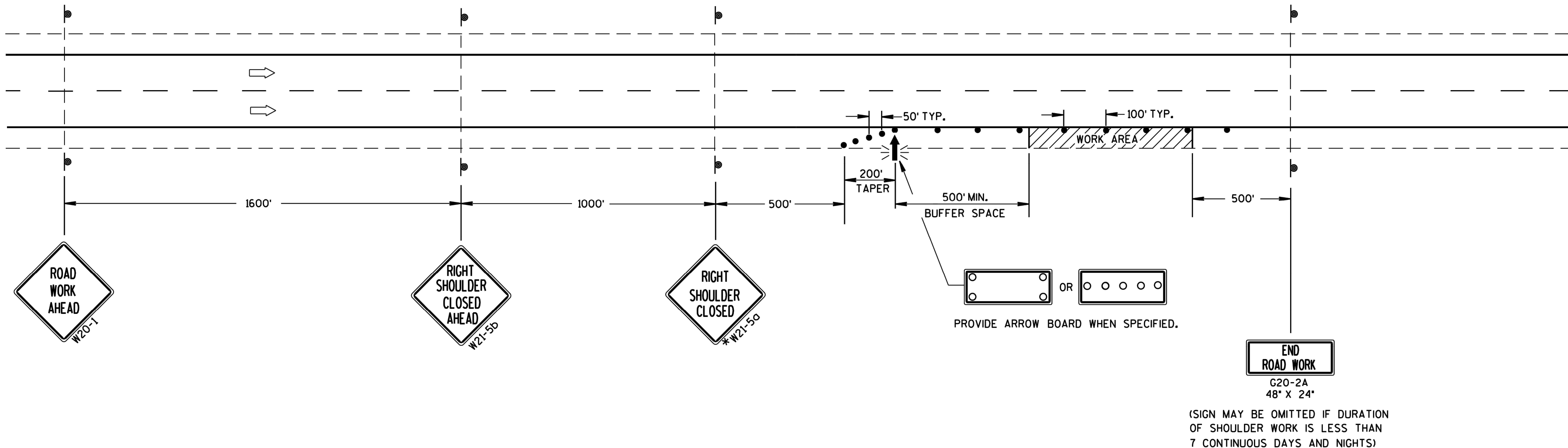
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A 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.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 8/20/13 DATE	/S/ Travis Feites STATE TRAFFIC ENGINEER OF DESIGN
FHWA	

S.D.D. 15 D 27-2

INTERNATIONAL DRIVE WATER MAIN
CONSTRUCTION DETAILS
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RACINE COUNTY, WISCONSIN

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DT-04

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

