



Madison Water Utility
 119 E. OLIN AVE.
 MADISON, WI 53713

CITY OF MADISON

MADISON WATER UTILITY

PUBLIC WORKS PLAN OF

PROPOSED IMPROVEMENT

FELLAND ROAD WATER MAIN EXTENSION PH. 1

PUBLIC IMPROVEMENT PROJECT
 APPROVED

APPROVED DATE: 3/31/2020

BY THE COMMON COUNCIL
 OF MADISON, WISCONSIN

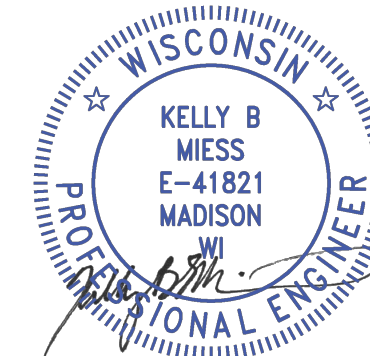
PUBLIC IMPROVEMENT DESIGN
 APPROVED BY:

May 5, 2020

Principal Engineer
 Madison Water Utility

Date

WATER
 DESIGNED BY:



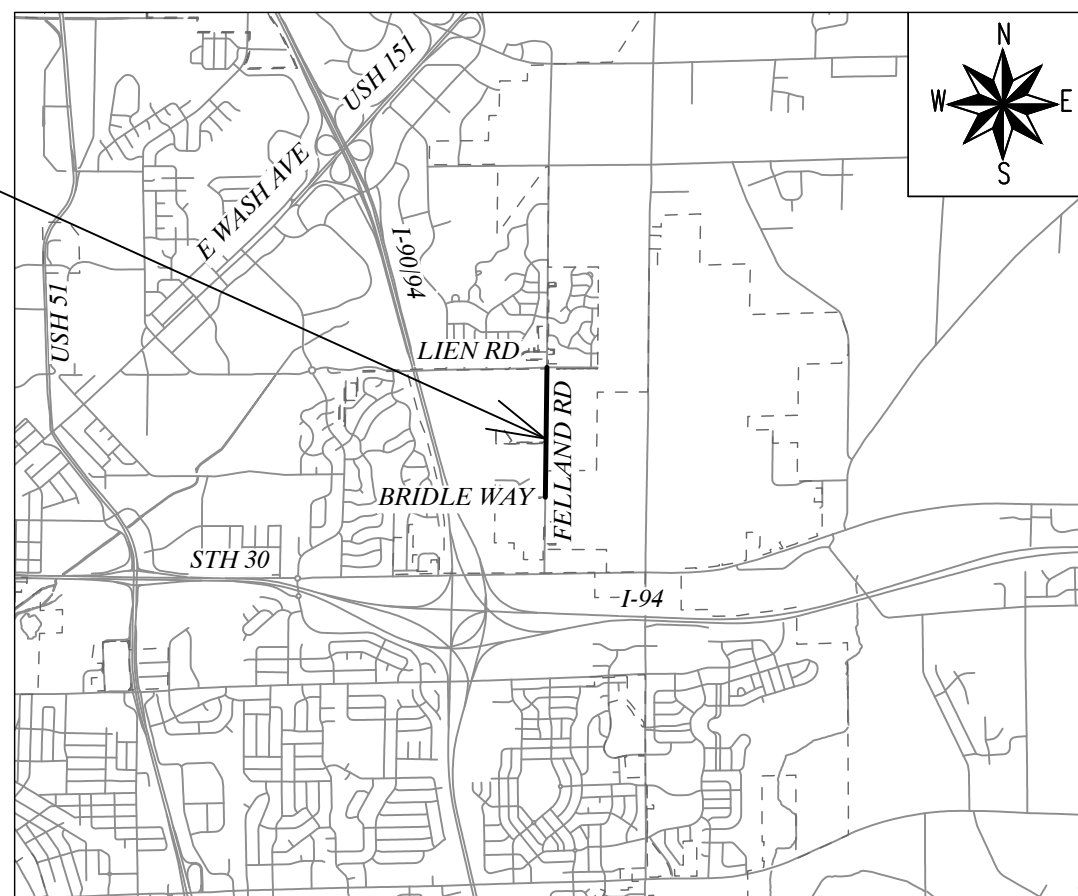
May 5, 2020

INDEX OF SHEETS

SHEET NO.	TITLE SHEET
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CITY PROJECT NO. 12327
 CONTRACT NO. 8858

**PROJECT
 LOCATION**



PLOT SCALE: 1" = 1'

PLOT NAME: ---

REV. DATE: 5/5/2020 12:43 PM

ORIGINATOR: CITY_OF_MADISON



081035300996
904 Felland Rd
SIMPLY HOMES MADISON LLC

081035300990
4855 FELLAND RD
JAMES W JUSTINGER

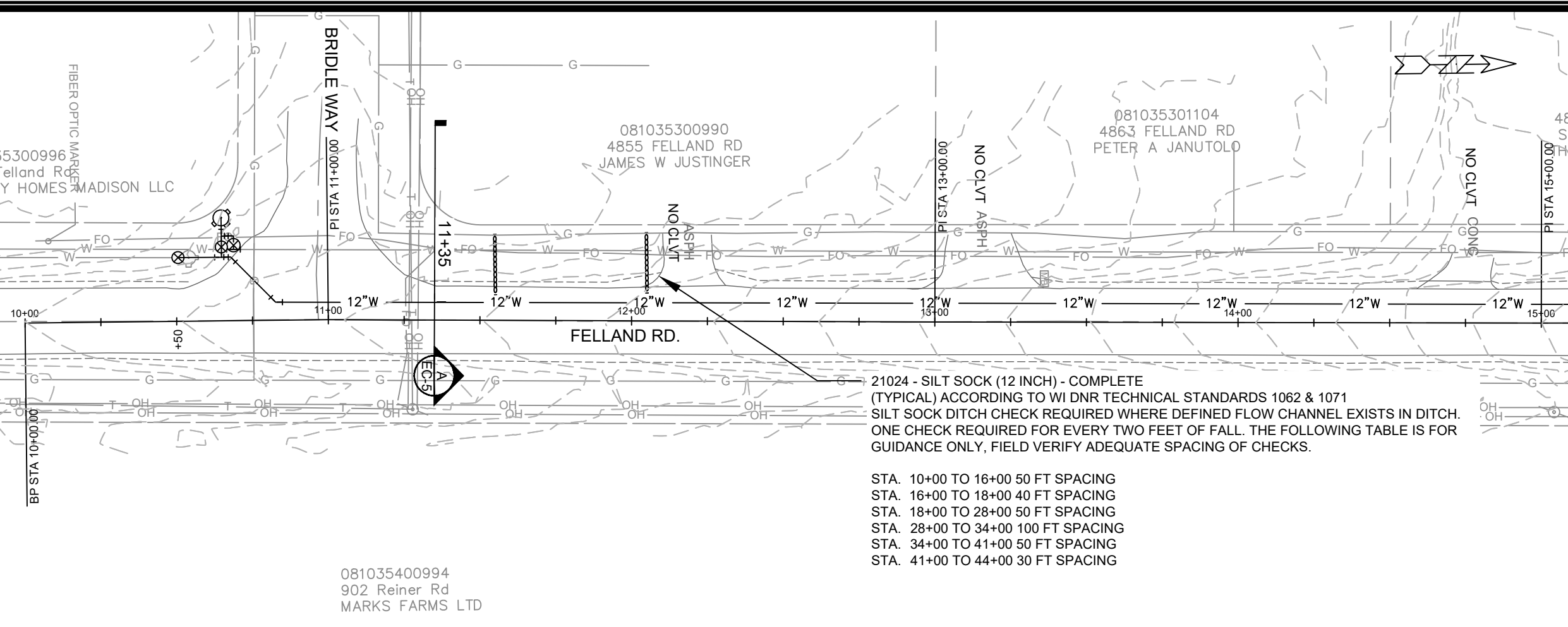
081035301104
4863 FELLAND RD
PETER A JANUTOLO

081035400994
902 Reiner Rd
MARKS FARMS LTD

081035301328
4879 FELLAND RD
JOSE BAKER

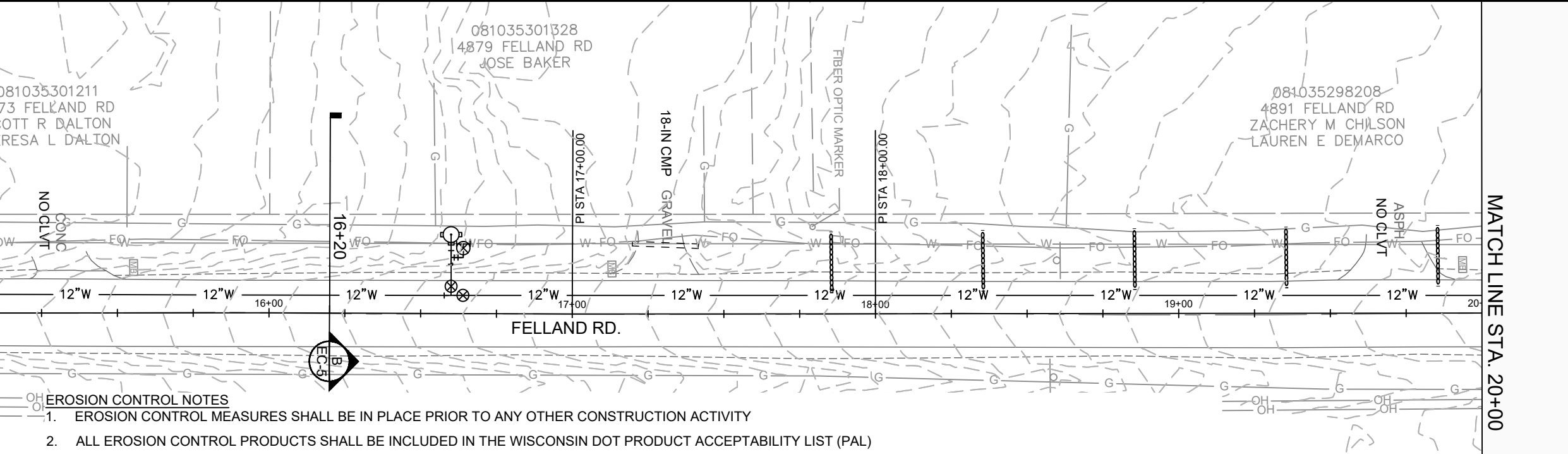
081035298208
4891 FELLAND RD
ZACHERY M CHILSON
LAUREN E DEMARCO

081035194000
4898 FELLAND RD
HAWKIN LEE ZUKOWSKI
MEGHAN NICOLE ZUKOWSKI



21024 - SILT SOCK (12 INCH) - COMPLETE
(TYPICAL) ACCORDING TO WI DNR TECHNICAL STANDARDS 1062 & 1071
SILT SOCK DITCH CHECK REQUIRED WHERE DEFINED FLOW CHANNEL EXISTS IN DITCH.
ONE CHECK REQUIRED FOR EVERY TWO FEET OF FALL. THE FOLLOWING TABLE IS FOR
GUIDANCE ONLY, FIELD VERIFY ADEQUATE SPACING OF CHECKS.

- STA. 10+00 TO 16+00 50 FT SPACING
- STA. 16+00 TO 18+00 40 FT SPACING
- STA. 18+00 TO 28+00 50 FT SPACING
- STA. 28+00 TO 34+00 100 FT SPACING
- STA. 34+00 TO 41+00 50 FT SPACING
- STA. 41+00 TO 44+00 30 FT SPACING



EROSION CONTROL NOTES

1. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY
2. ALL EROSION CONTROL PRODUCTS SHALL BE INCLUDED IN THE WISCONSIN DOT PRODUCT ACCEPTABILITY LIST (PAL)
3. EROSION CONTROLS SHALL BE INSTALLED PER THEIR RESPECTIVE WI DNR CONSERVATION PRACTICE STANDARD AND CITY OF MADISON STANDARD SPECIFICATIONS
4. STRAW BALE DITCH CHECKS ARE NOT ALLOWED
5. THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON
6. PERIMETER CONTROL AROUND STOCKPILES AND STABILIZING STOCKPILES THAT WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER
7. STABILIZE (TEMPORARY) DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER
8. STABILIZE AREAS WITHIN 7 DAYS OF REACHING FINAL GRADE

MATCH LINE STA. 15+10

MATCH LINE STA. 20+00

MATCH LINE STA. 15+10

FELLAND ROAD WATER MAIN EXTENSION PH. 1

EROSION CONTROL PLAN FELLAND RD.

CITY OF MADISON, WISCONSIN

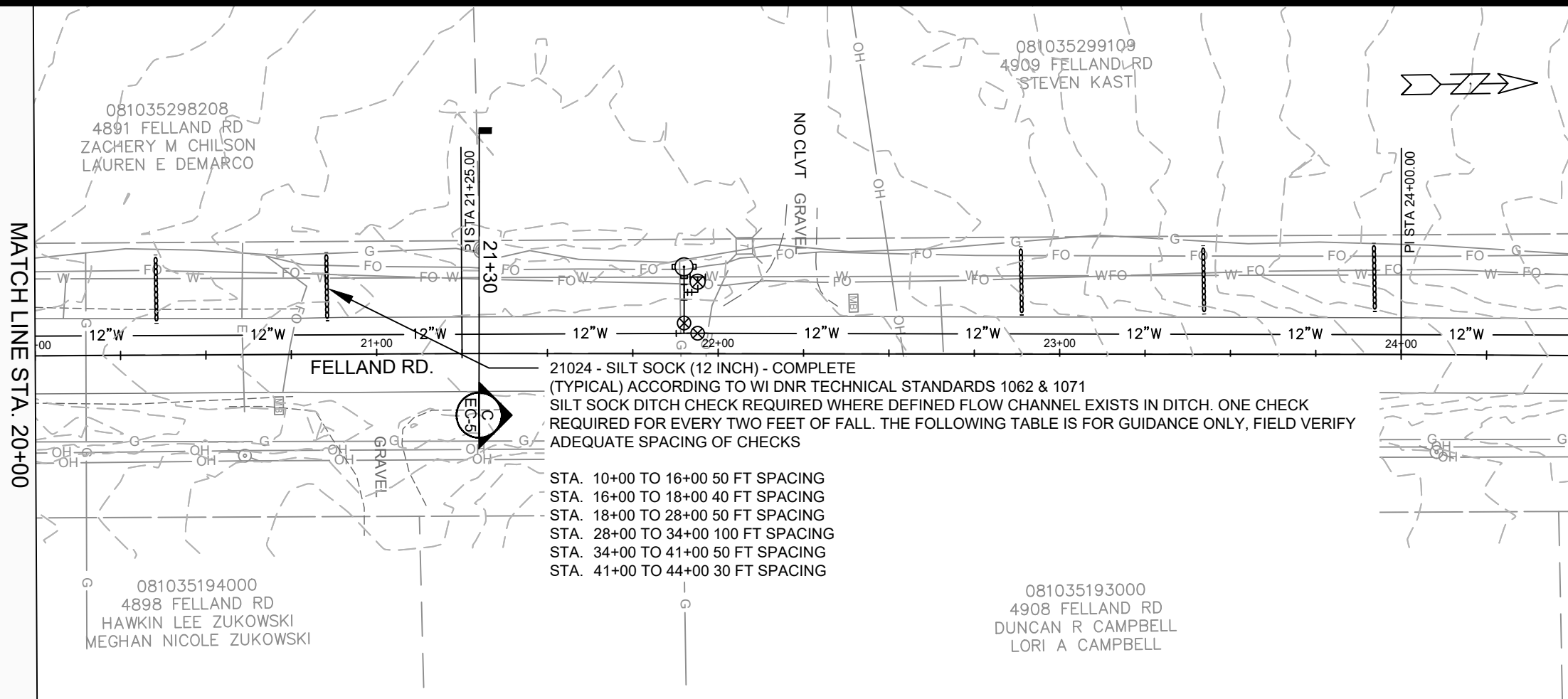
SCALE: 1" = 40'
DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/5/20

CONTRACT NO: 8858



12327

EC-1

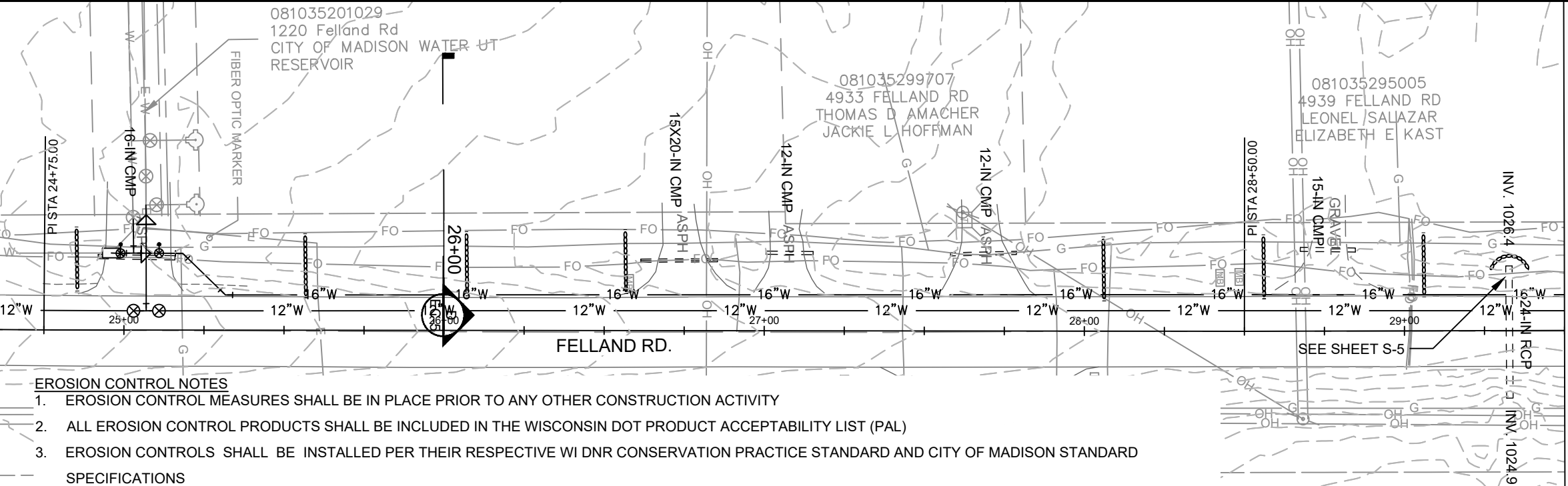


MATCH LINE STA. 20+00

MATCH LINE STA. 24+50

21024 - SILT SOCK (12 INCH) - COMPLETE
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STA. 16+00 TO 18+00	40 FT SPACING
STA. 18+00 TO 28+00	50 FT SPACING
STA. 28+00 TO 34+00	100 FT SPACING
STA. 34+00 TO 41+00	50 FT SPACING
STA. 41+00 TO 44+00	30 FT SPACING



MATCH LINE STA. 24+50

MATCH LINE STA. 29+50

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FELLAND ROAD WATER MAIN EXTENSION PH. 1
 EROSION CONTROL PLAN FELLAND RD.
 CITY OF MADISON, WISCONSIN

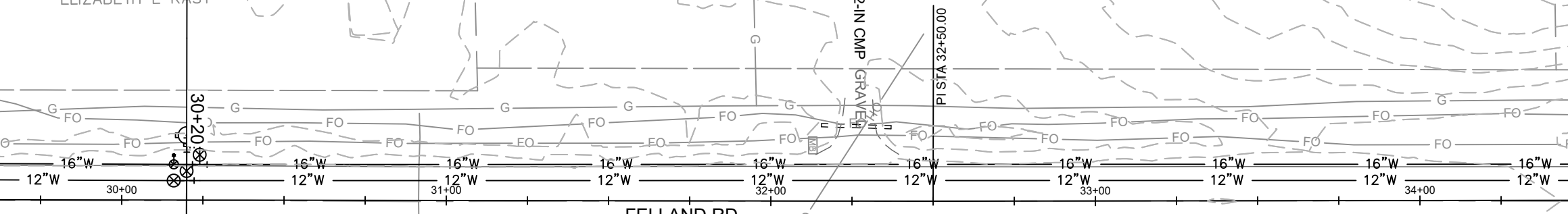


12327
 EC-2



081035295005
4939 FELLAND RD
LEONEL SALAZAR
ELIZABETH E KAST

081035282206
4947 FELLAND RD
GARY M SCHLUTER



MATCH LINE STA. 29+50

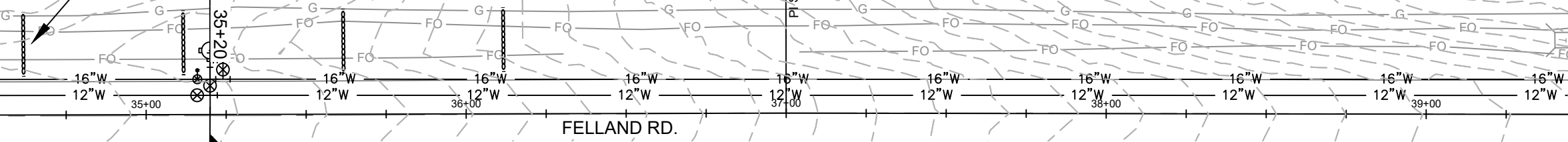
MATCH LINE STA. 34+50

081035191000
4934 FELLAND RD
STORE MASTER FUNDING I LLC

081035185106
4952 FELLAND RD
FELLAND ROAD LLC

21024 - SILT SOCK (12 INCH) - COMPLETE
(TYPICAL) ACCORDING TO WI DNR TECHNICAL STANDARDS 1062 & 1071
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MATCH LINE STA. 34+50

MATCH LINE STA. 39+50

081035185106
4952 FELLAND RD
FELLAND ROAD LLC

081035186703
4988 FELLAND RD
STEVEN DULIN
ELLEN VOLKMANN

EROSION CONTROL NOTES

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MADISON WATER UTILITY
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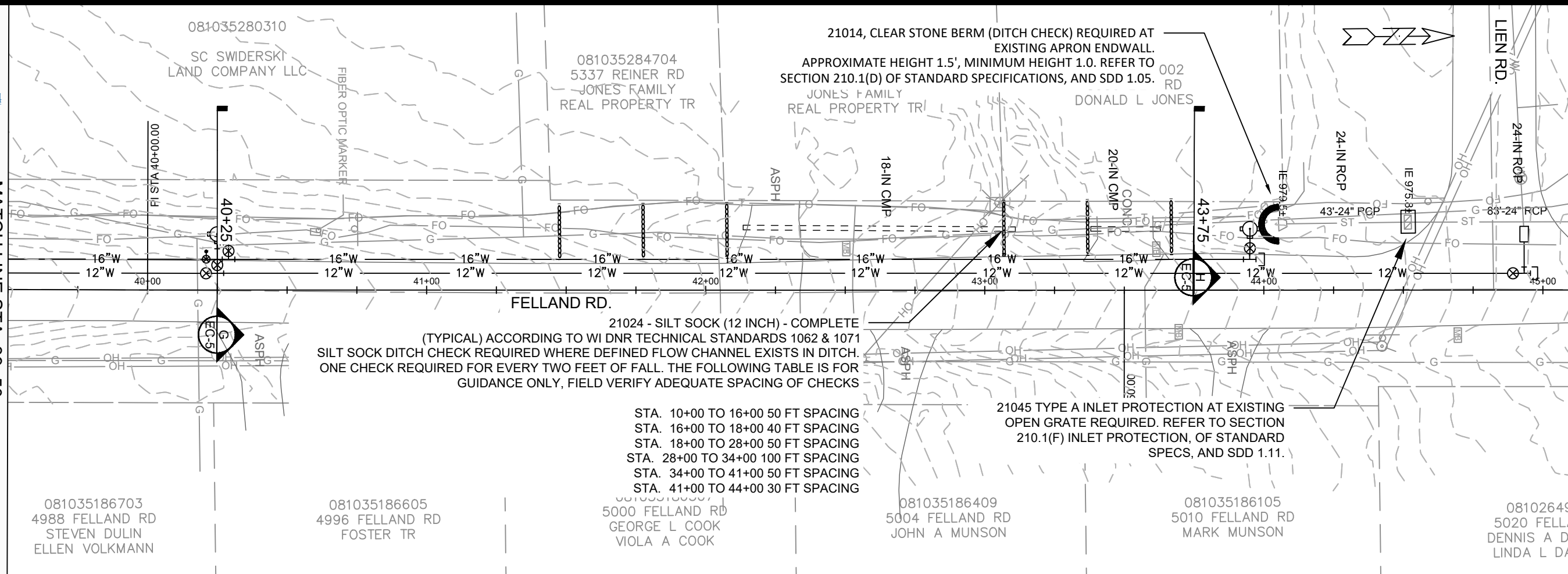
FELLAND ROAD WATER MAIN EXTENSION PH. 1
EROSION CONTROL PLAN FELLAND RD.
CITY OF MADISON, WISCONSIN



12327
EC-3



MATCHLINE STA. 39+50



***ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

PAY_ITEM_ID	DESCRIPTION	QUANTITY	UNIT
21014	CLEAR STONE BERM (DITCH CHECK)	1	EACH
21024	SILT SOCK (12-INCH) - COMPLETE	600	LNFT
21045	INLET PROTECTION TYPE A - COMPLETE	1	EACH

* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

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FELLAND ROAD WATER MAIN EXTENSION PH. 1

EROSION CONTROL PLAN FELLAND RD.

CITY OF MADISON, WISCONSIN

SCALE: 1" = 40'

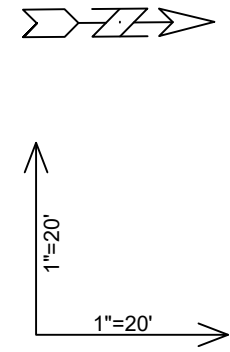
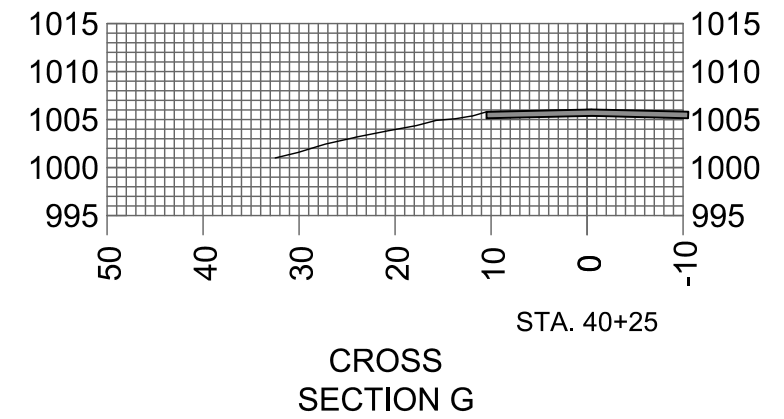
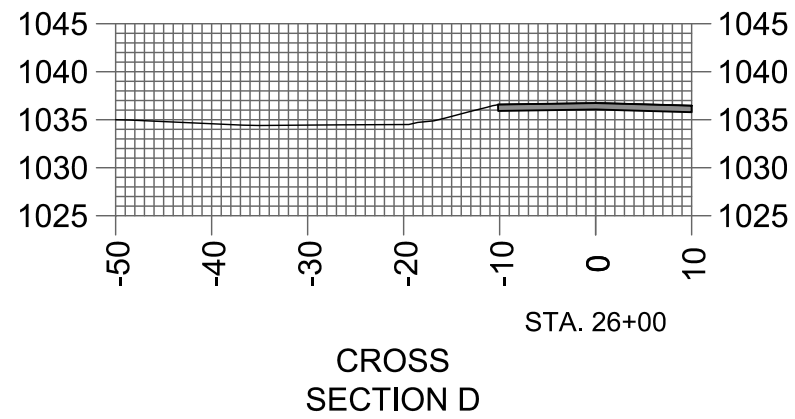
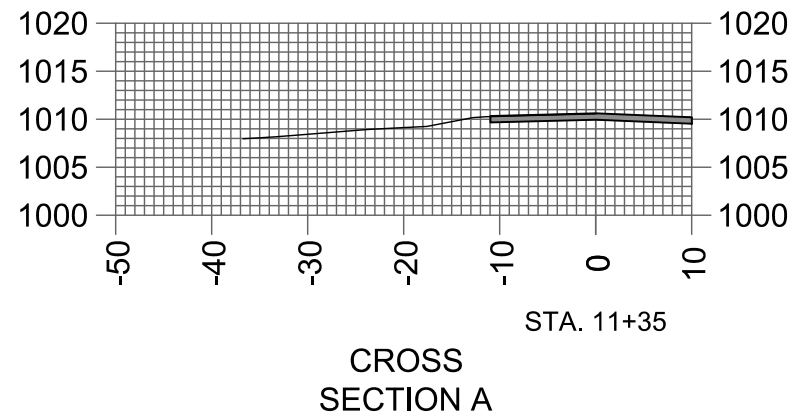
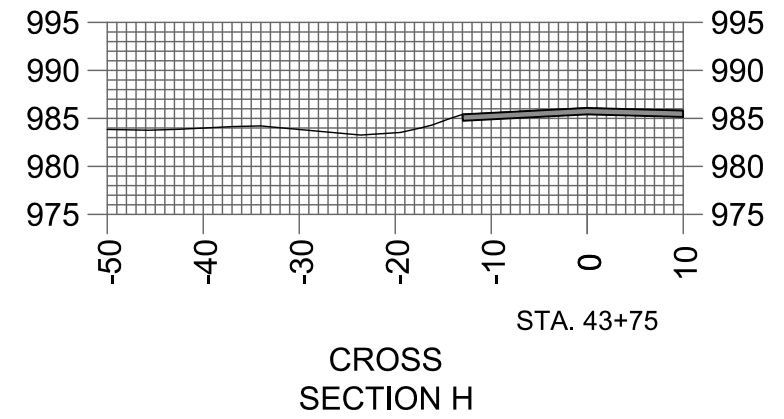
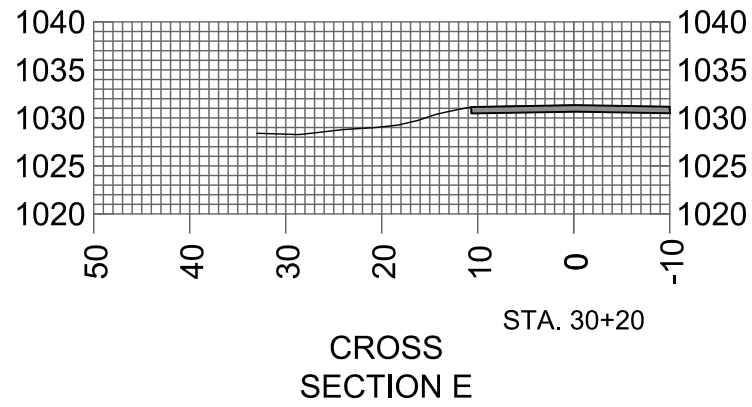
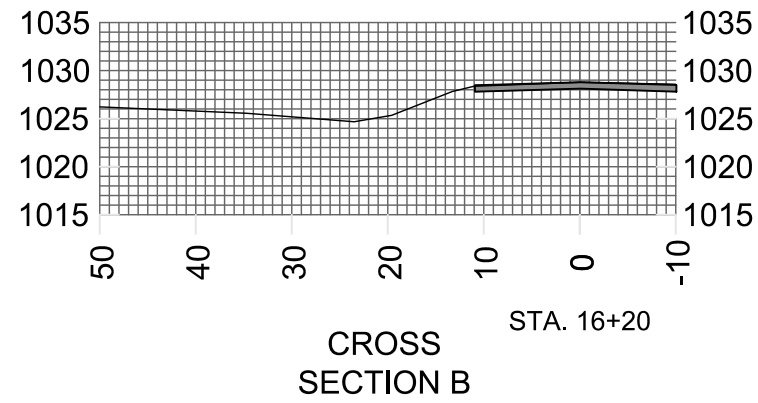
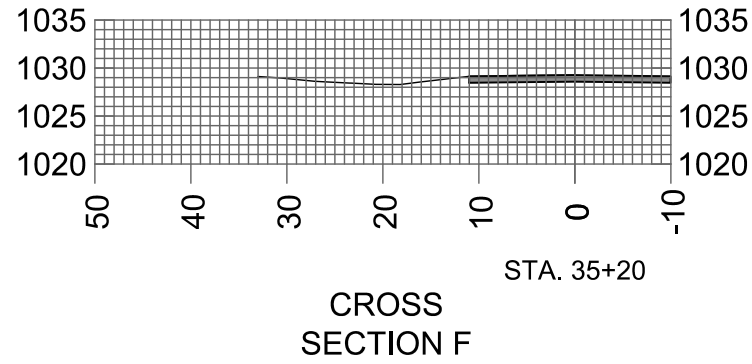
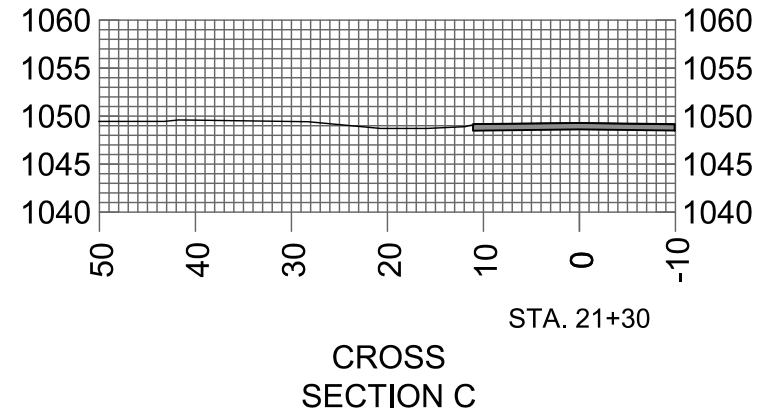
DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/5/20

CONTRACT NO: 8858



12327

EC-4



SCALE: 1" = 20'
DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/5/20

FELLAND ROAD WATER MAIN EXTENSION PH. 1

CROSS SECTIONS DITCH CROSS SECTIONS

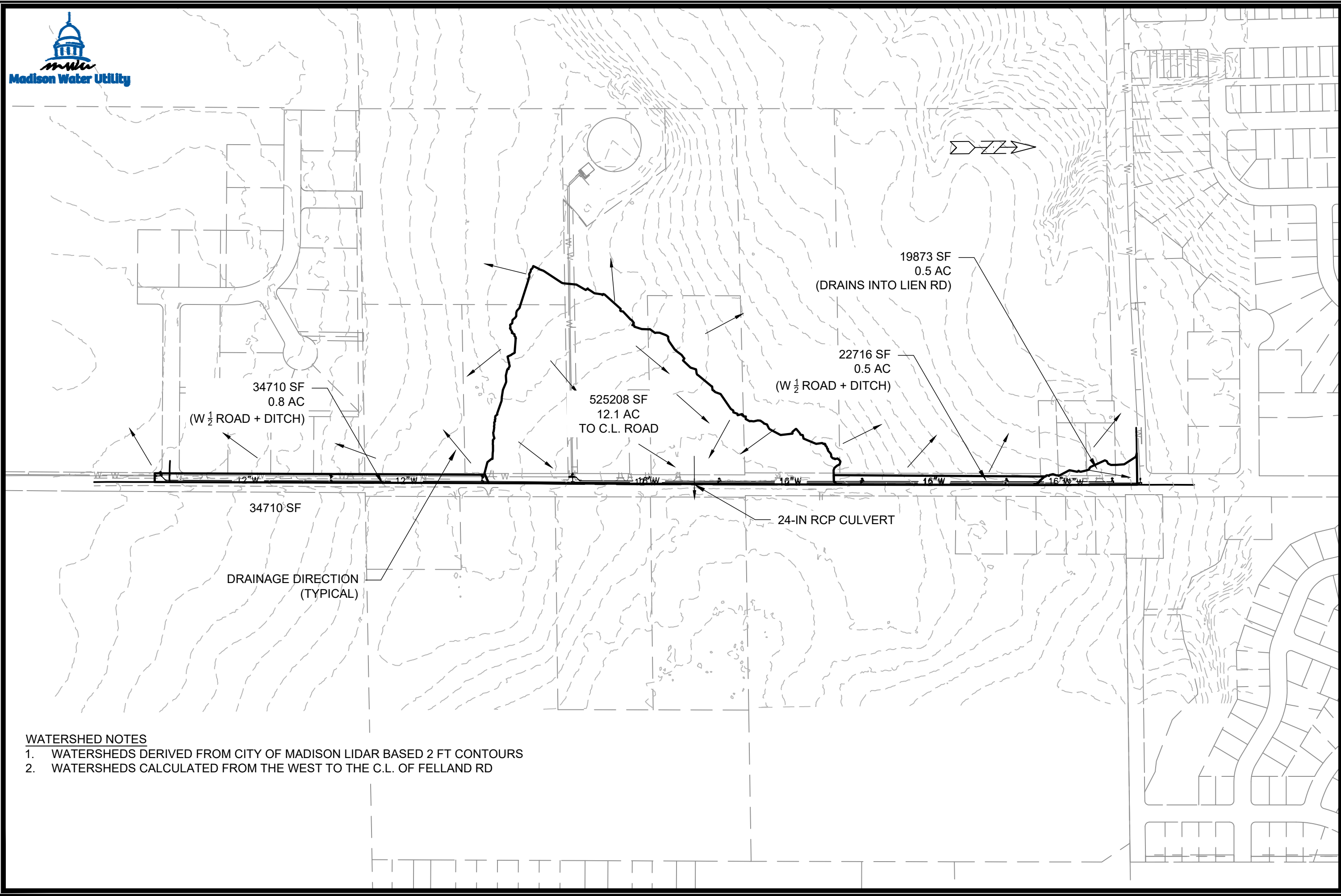
CITY OF MADISON, WISCONSIN

CONTRACT NO: 8858



12327

EC-5



34710 SF
0.8 AC
(W 1/2 ROAD + DITCH)

525208 SF
12.1 AC
TO C.L. ROAD

22716 SF
0.5 AC
(W 1/2 ROAD + DITCH)

19873 SF
0.5 AC
(DRAINS INTO LIEN RD)

34710 SF

24-IN RCP CULVERT

DRAINAGE DIRECTION
(TYPICAL)

WATERSHED NOTES

1. WATERSHEDS DERIVED FROM CITY OF MADISON LIDAR BASED 2 FT CONTOURS
2. WATERSHEDS CALCULATED FROM THE WEST TO THE C.L. OF FELLAND RD

SCALE: 1" = 300'
 DESIGNED BY: DAR/KBM
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 5/5/20

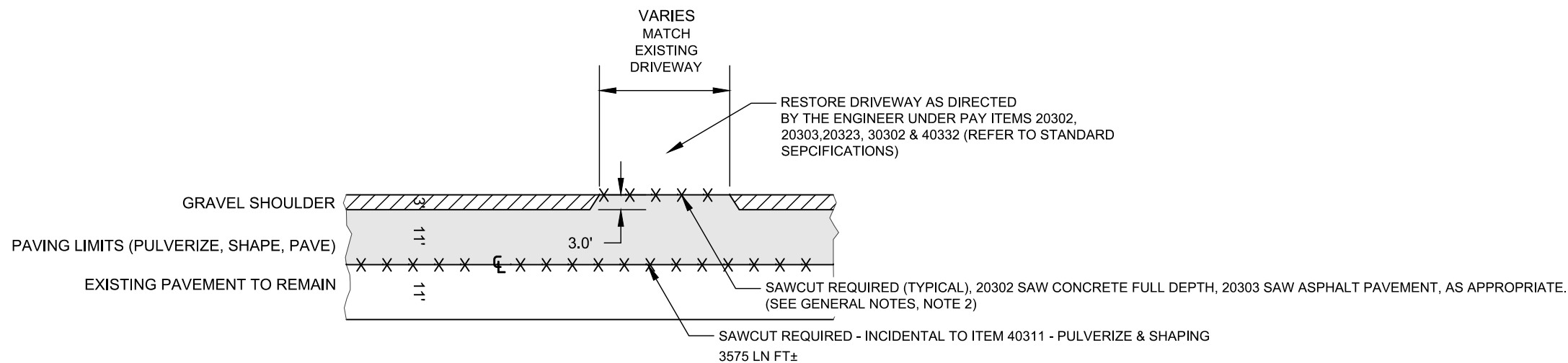
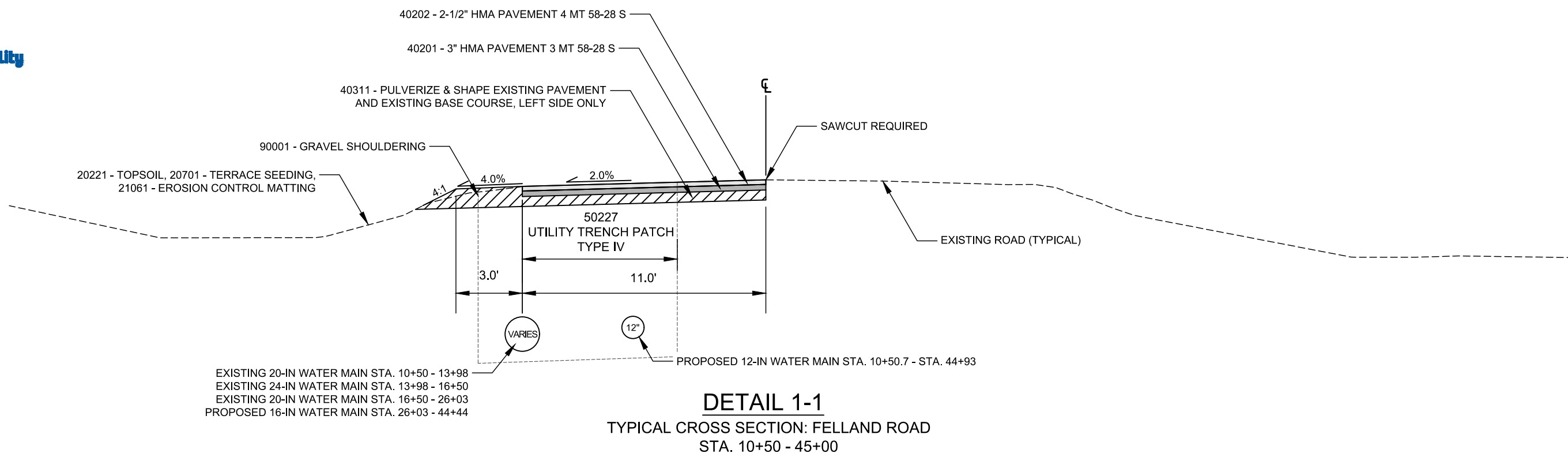
FELLAND ROAD WATER MAIN EXTENSION PH. 1
 WATERSHEDS

FELLAND RD.
CITY OF MADISON, WISCONSIN

CONTRACT NO: 8858



12327
 EC-6



GENERAL NOTES

1. RESTORE DRIVEWAY AND SLOPES IN KIND FOR ANY DISTURBANCE BEYOND PAVING LIMITS. RESTORE DISTURBED TOPSOIL AREAS WITH 4 INCH TOPSOIL (BID ITEM 20221 TOPSOIL), SEED (20701 TERRACE SEEDING), AND EROSION CONTROL MATTING (21061 EROSION CONTROL MATTING, CLASS 1, URBAN TYPE A), FERTILIZE AND MULCH,
2. MATCH EXISTING CONSTRUCTION JOINT, IF ANY. AT THE DIRECTION OF THE ENGINEER MOVE SAWCUT INTO DRIVEWAY AND RESTORE DRIVEWAY. DRIVEWAY RESTORATION PAID FOR DRIVEWAY AREA LYING BEYOND TYPICAL SAWCUT. REFER TO DETAIL 1-2.
3. ALL SIGNS AND CULVERTS DISTURBED OR DAMAGED SHALL BE RE-INSTALLED TO ORIGINAL OR BETTER CONDITION, OR REPLACED IN KIND AT NO ADDITIONAL COST TO THE CITY
4. MAILBOXES SHALL BE REMOVED AND REPLACED PER STANDARD SPECIFICATIONS AND BID ITEM 21301

FELLAND ROAD WATER MAIN EXTENSION PH. 1
 PAVING DETAILS & MATERIALS
 CITY OF MADISON, WISCONSIN

SCALE: 1" = 5'
 DESIGNED BY: DAR/KBM
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 5/5/20

CONTRACT NO: 8858



12327

S-1



08103530996
904 Felland Rd
SIMPLY HOMES MADISON LLC

FIBER OPTIC MARKER

BRIDLE WAY

081035300990
4855 FELLAND RD
JAMES W JUSTINGER
50227 - UTILITY TRENCH
PATCH TYPE IV REQUIRED

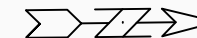
081035301104
4863 FELLAND RD
PETER A JANUTOLO

60800 - PAVEMENT MARKING EPOXY LINE 4-INCH
SOLID WHITE EDGELINE (WEST SIDE OF ROAD ONLY)

FELLAND RD.

60800 - PAVEMENT MARKING EPOXY 4-INCH
4" SOLID YELLOW SOUTHBOUND
4" YELLOW SKIP NORTHBOUND (10' LINE, 30' SPACE)

081035400994
902 Reiner Rd
MARKS FARMS LTD



MATCH LINE STA. 15+10

SCALE: 1" = 40'

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MADISON WATER UTILITY
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FELLAND ROAD WATER MAIN EXTENSION PH. 1

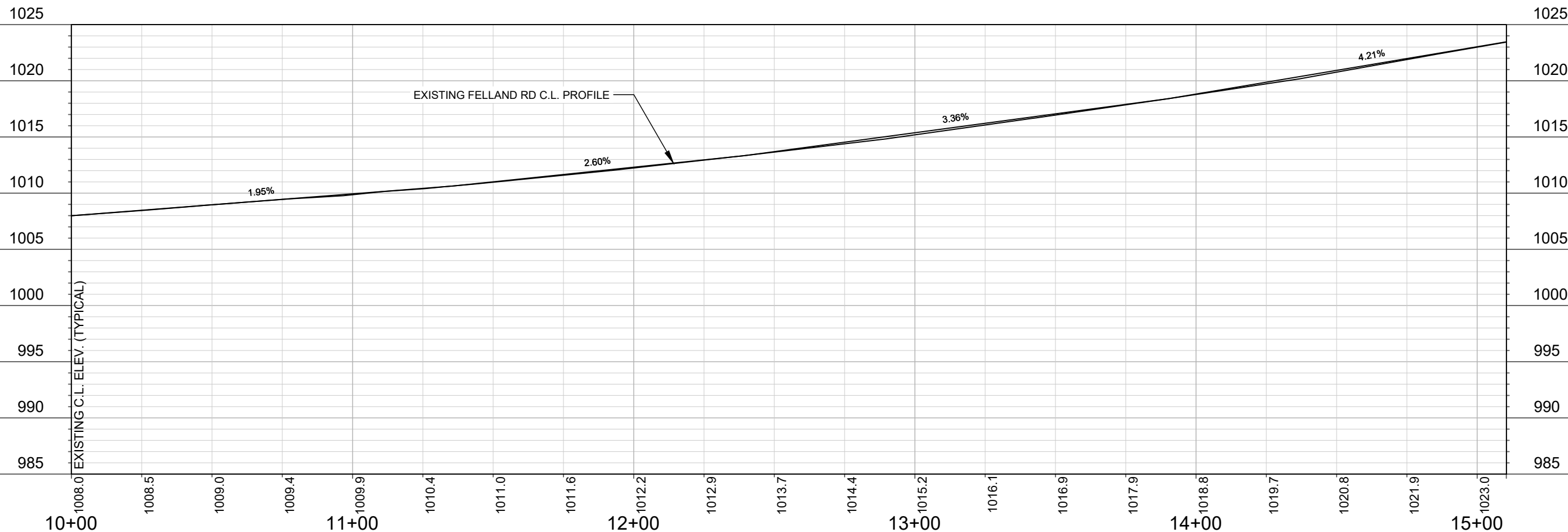
PAVING PLAN & PROFILE FELLAND RD.

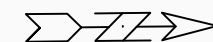
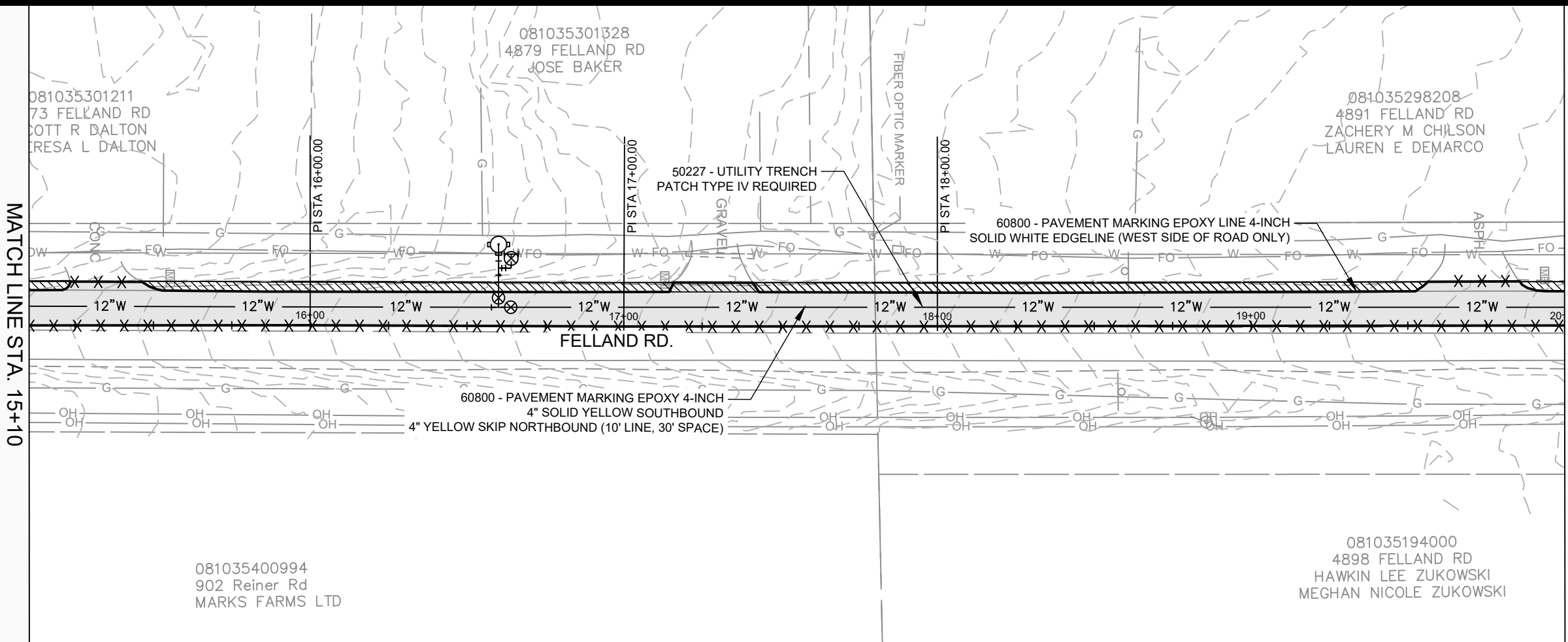
CITY OF MADISON, WISCONSIN



12327

S-2





MATCH LINE STA. 15+10

MATCH LINE STA. 20+00

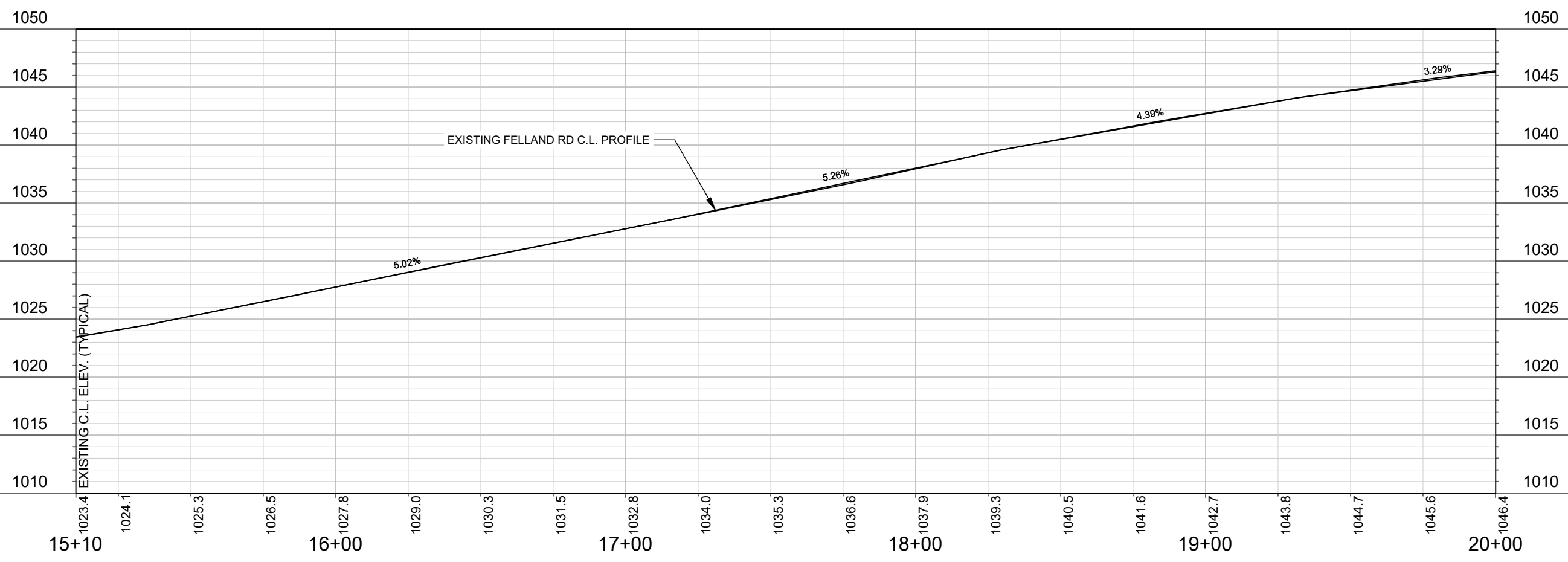
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73 FELLAND RD
COTT R DALTON
RESA L DALTON

081035301328
4879 FELLAND RD
JOSE BAKER

081035298208
4891 FELLAND RD
ZACHERY M CHILSON
LAUREN E DEMARCO

081035400994
902 Reiner Rd
MARKS FARMS LTD

081035194000
4898 FELLAND RD
HAWKIN LEE ZUKOWSKI
MEGHAN NICOLE ZUKOWSKI



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FELLAND ROAD WATER MAIN EXTENSION PH. 1
PAVING PLAN & PROFILE FELLAND RD.
CITY OF MADISON, WISCONSIN



12327
S-3



081035298208
4891 FELLAND RD
ZACHERY M CHILSON
WIDEN E REMARCO
60801 - PAVEMENT MARKING
EPOXY DOUBLE LINE 4-INCH
STA. 21+00
BEGIN DOUBLE C.L. STRIPE

081035299109
4909 FELLAND RD
STEVEN KASTI

50227 - UTILITY TRENCH
PATCH TYPE IV REQUIRED

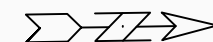
60800 - PAVEMENT MARKING EPOXY LINE 4-INCH
SOLID WHITE EDGELINE (WEST SIDE OF ROAD ONLY)

081035194000
4898 FELLAND RD
HAWKIN LEE ZUKOWSKI
MEGHAN NICOLE ZUKOWSKI

081035193000
4908 FELLAND RD
DUNCAN R CAMPBELL
LORI A CAMPBELL

MATCH LINE STA. 20+00

MATCH LINE STA. 24+50



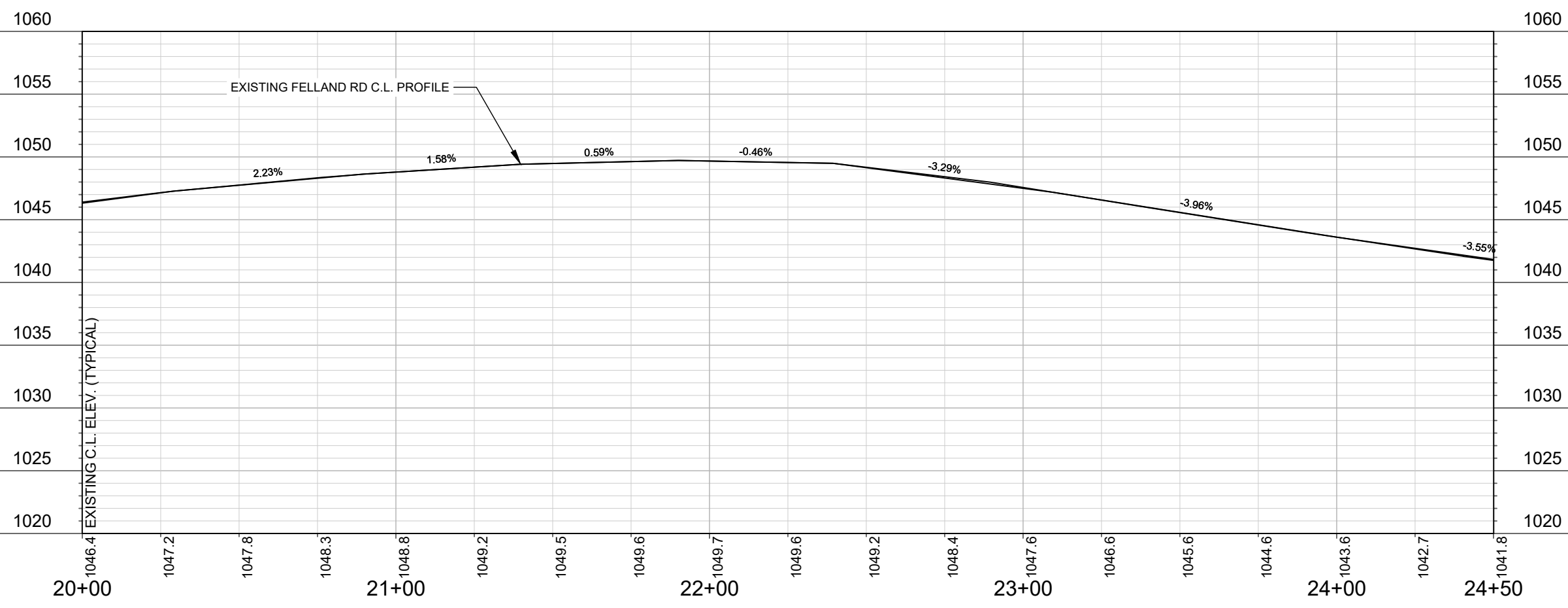
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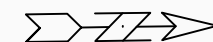
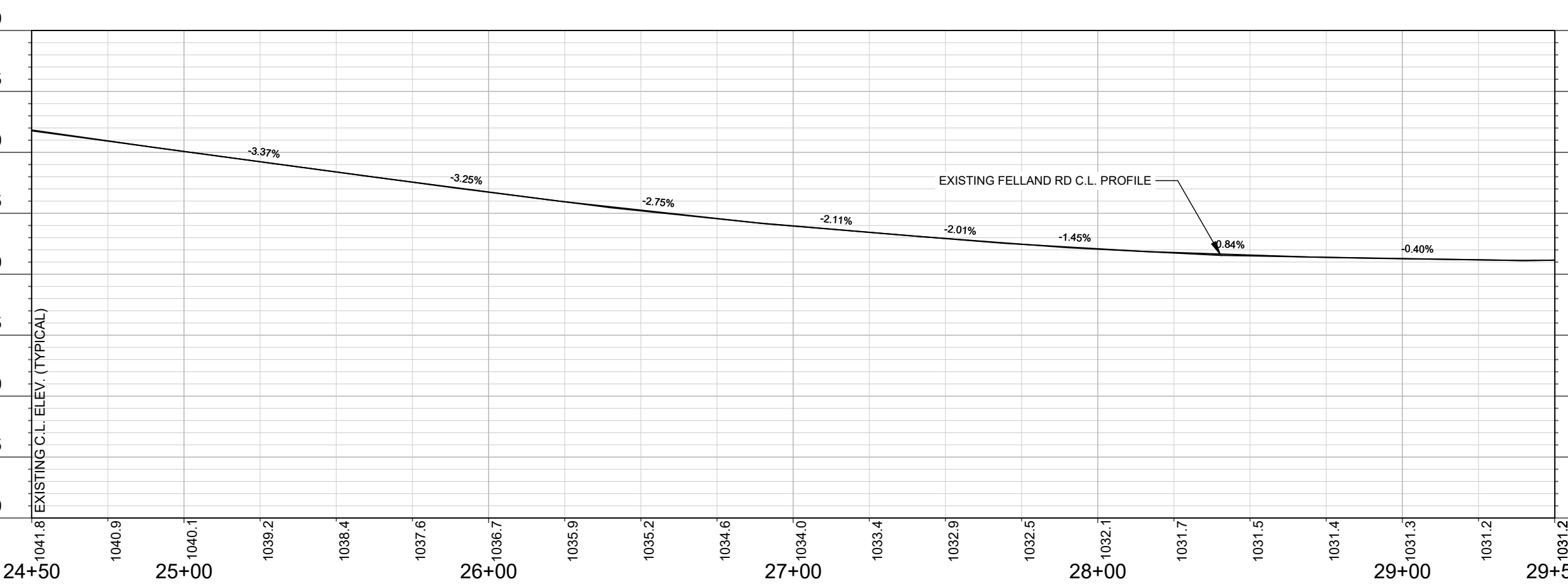
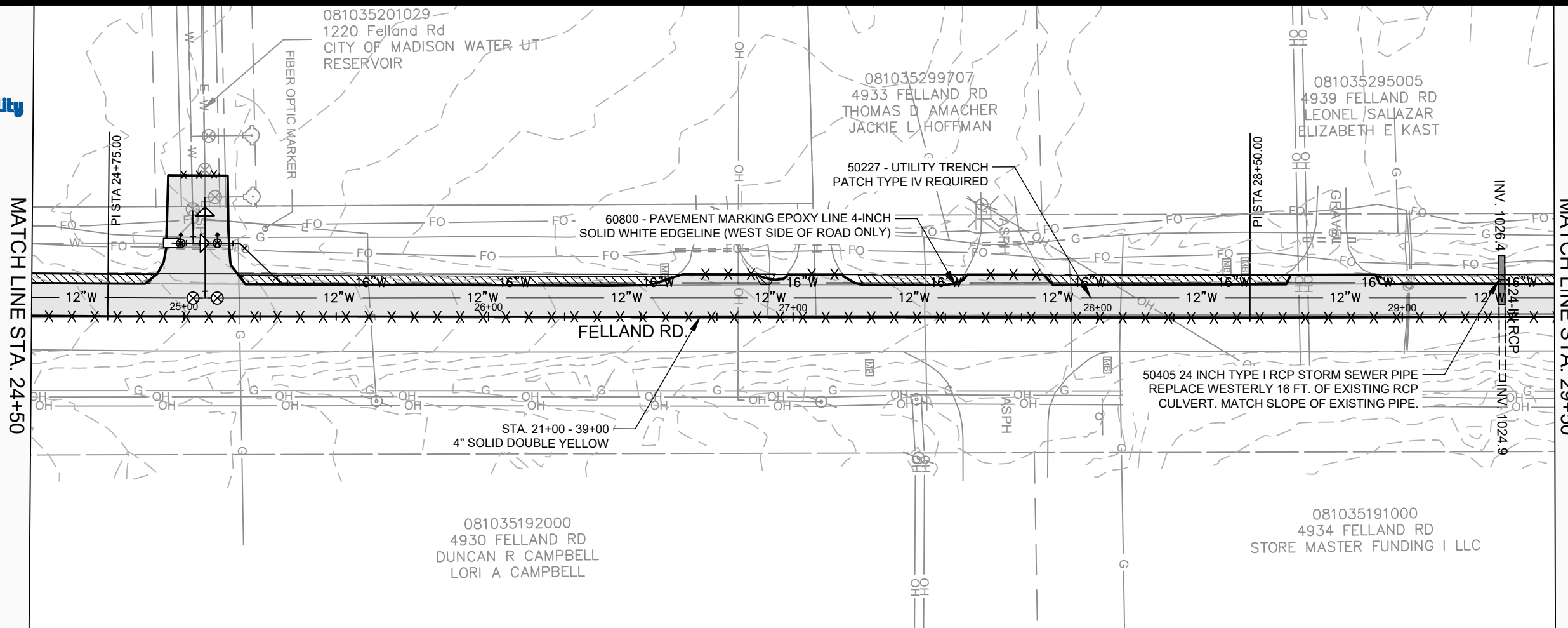
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FELLAND ROAD WATER MAIN EXTENSION PH. 1
PAVING PLAN & PROFILE FELLAND RD.
CITY OF MADISON, WISCONSIN



12327
S-4





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 CITY OF MADISON, WISCONSIN

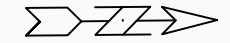


12327
 S-5



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LEONEL SALAZAR
ELIZABETH E KAST

081035282206
4947 FELLAND RD
GARY M SCHLUTER



MATCH LINE STA. 29+50

MATCH LINE STA. 34+50

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PATCH TYPE IV REQUIRED

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SOLID WHITE EDGELINE (WEST SIDE OF ROAD ONLY)

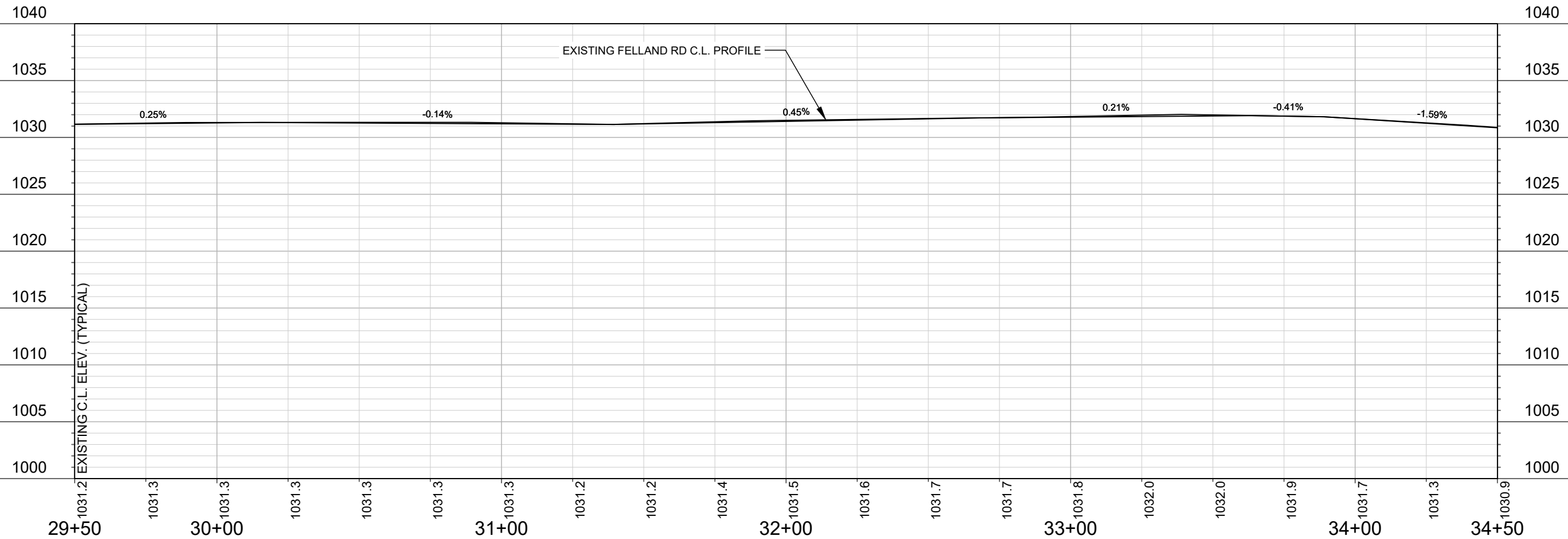
SECTION CORNER, C-1/4 SEC. 35, T8N, R10E
PRESERVE AND PROTECT THE EXISTING
MONUMENT IN ACCORDANCE WITH SECTION
107.2(A) OF THE STANDARD SPECIFICATIONS.

FELLAND RD.

STA. 21+00 - 39+00
4" SOLID DOUBLE YELLOW

081035191000
4934 FELLAND RD
STORE MASTER FUNDING I LLC

081035185106
4952 FELLAND RD
FELLAND ROAD LLC



SCALE: 1" = 40'

DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/5/20

FELLAND ROAD WATER MAIN EXTENSION PH. 1

PAVING PLAN & PROFILE FELLAND RD.

CITY OF MADISON, WISCONSIN

CONTRACT NO: 8858

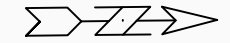
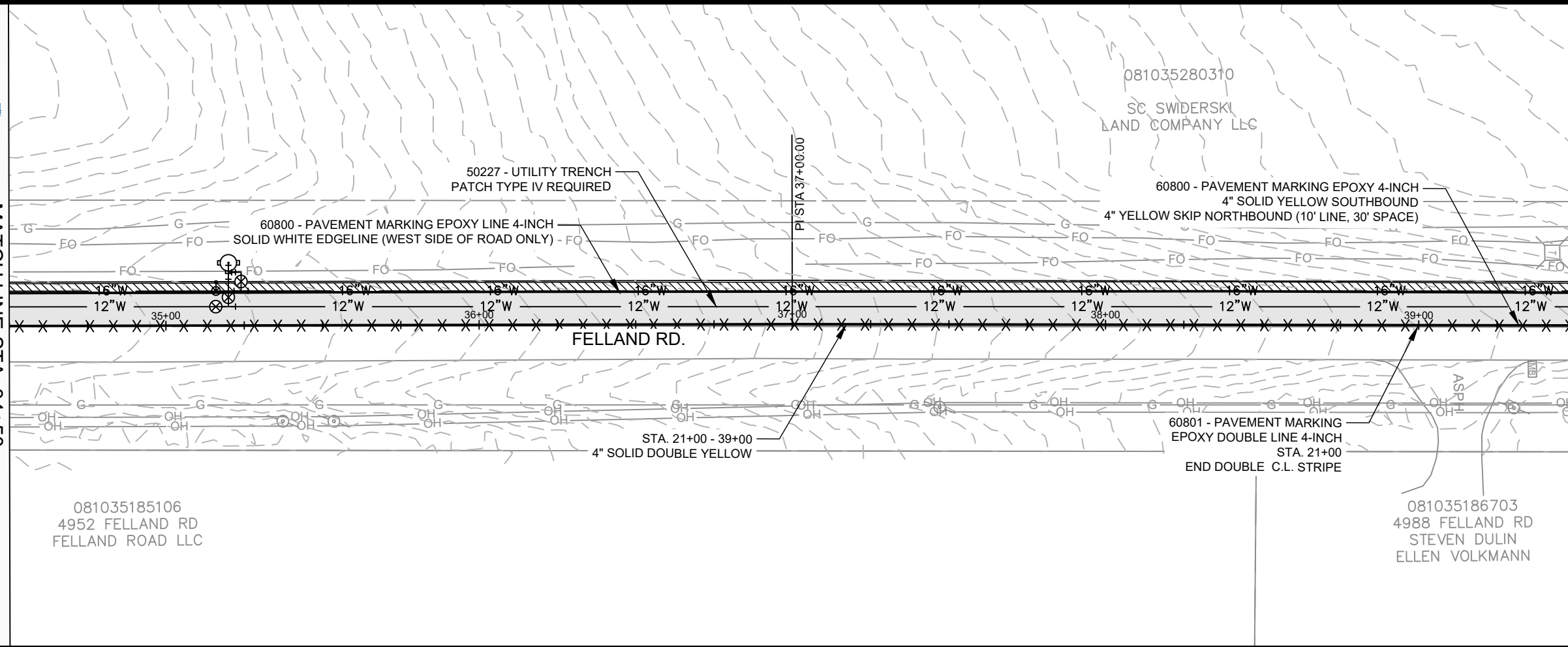


12327

S-6

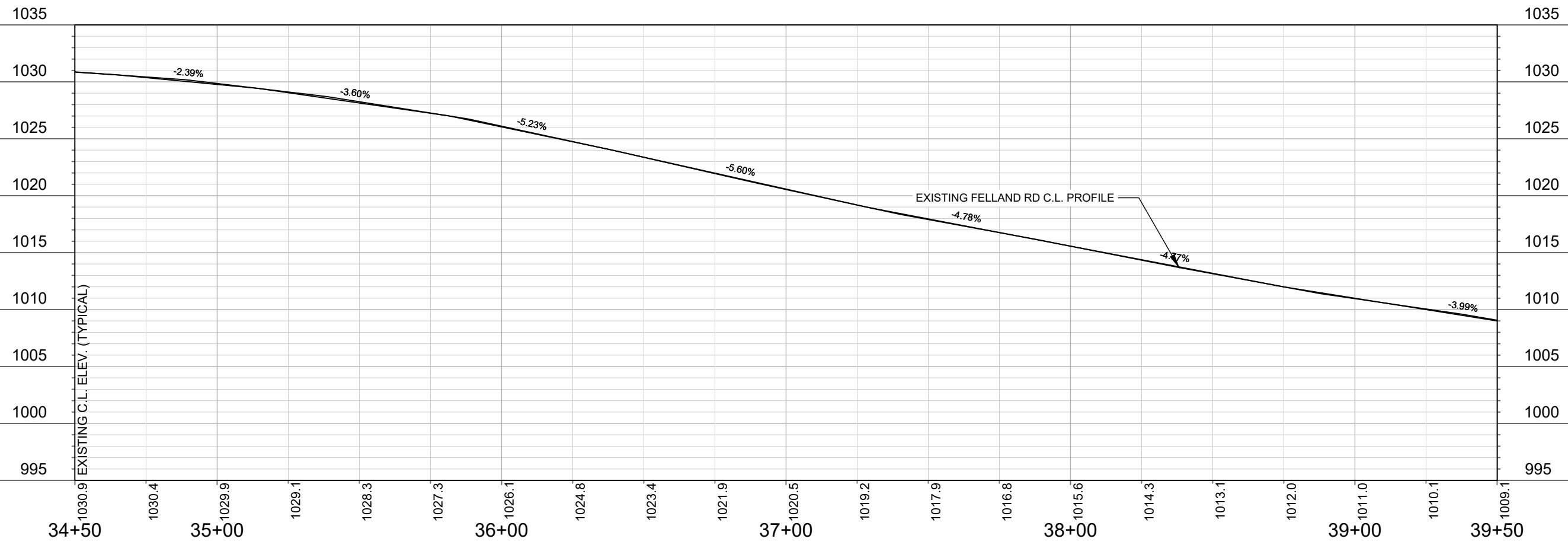


MATCH LINE STA. 34+50



SCALE: 1" = 40'
DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/5/20

CONTRACT NO: 8858



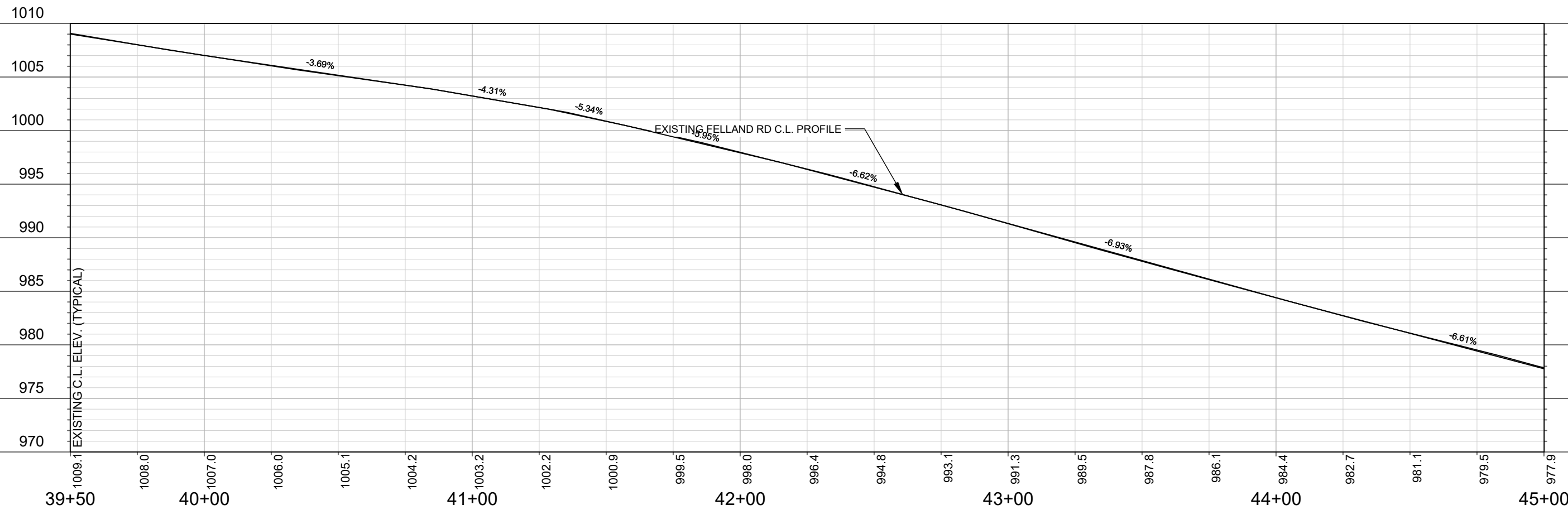
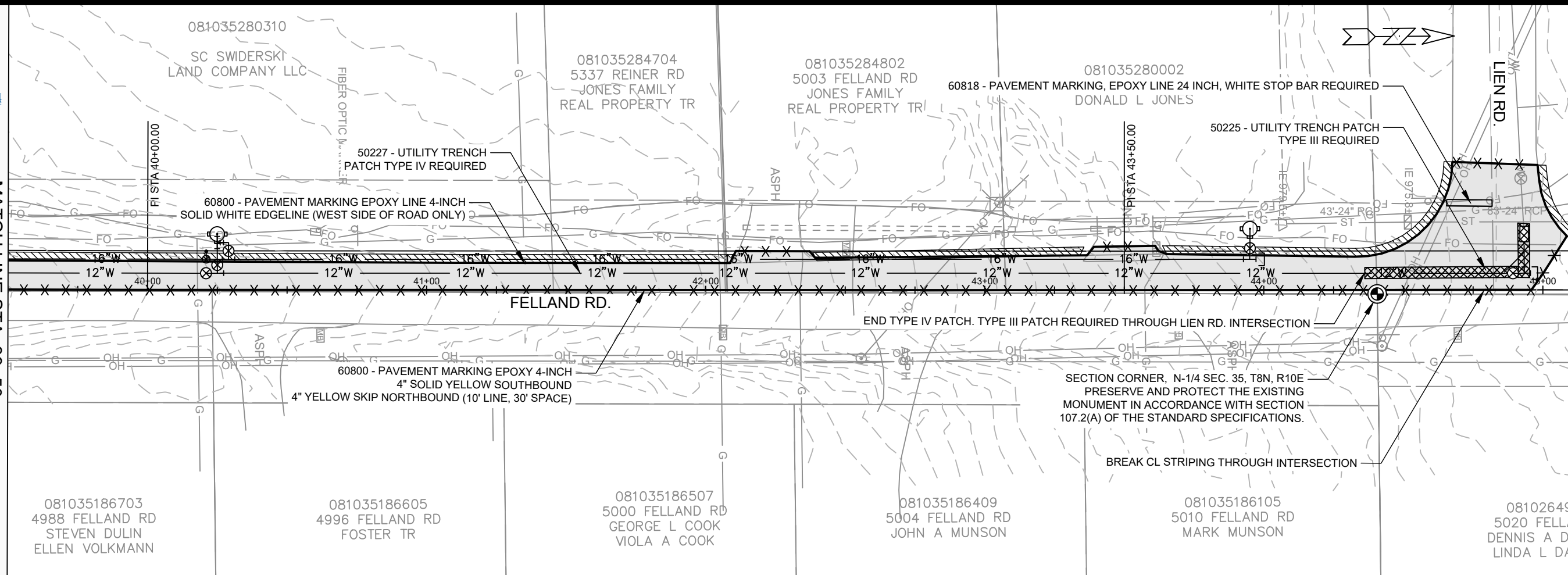
FELLAND ROAD WATER MAIN EXTENSION PH. 1
PAVING PLAN & PROFILE FELLAND RD.
CITY OF MADISON, WISCONSIN



12327
S-7



MATCH LINE STA. 39+50



SCALE: 1" = 40'

DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/5/20

FELLAND ROAD WATER MAIN EXTENSION PH. 1
PAVING PLAN & PROFILE FELLAND RD.

CONTRACT NO: 8858



12327
S-8



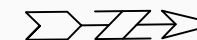
081035300996
904 Felland Rd
SIMPLY HOMES MADISON LLC

SEE DETAILS 11-1,
14-1

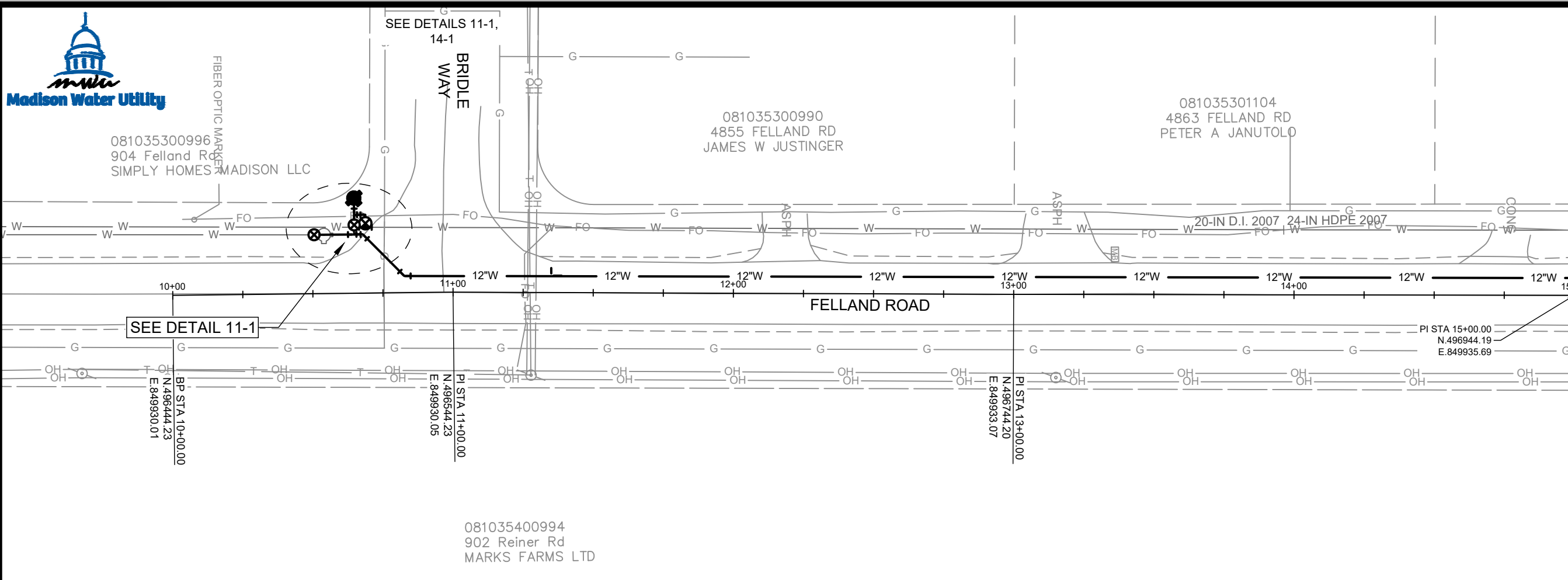
BRIDLE
WAY

081035300990
4855 FELLAND RD
JAMES W JUSTINGER

081035301104
4863 FELLAND RD
PETER A JANUTOLO



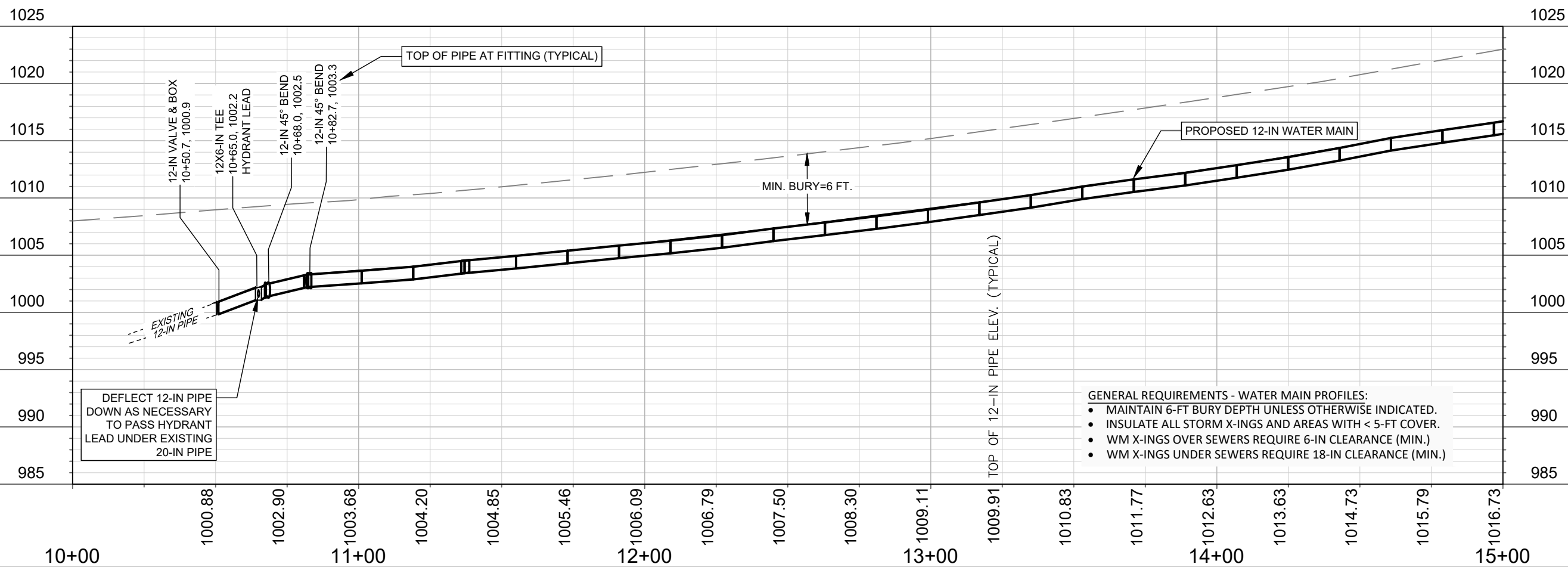
MATCH LINE STA. 15+00



SCALE: 1" = 40'
DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/5/20

CONTRACT NO: 8858

FELLAND ROAD WATER MAIN EXTENSION PH. 1
WATER PLAN & PROFILE FELLAND RD.
CITY OF MADISON, WISCONSIN



12327
W-1



081035301211
4873 FELLAND RD
SCOTT R DALTON
THERESA L DALTON

DEFLECT HYDRANT
LEAD DOWN TO
MAINTAIN BURY
DEPTH.

SEE HYDRANT
DETAILS 12-1, 14-1

081035301328
4879 FELLAND RD
JOSE BAKER

STA. 16+00, 26.0 LT
5-IN HYDRANT

STA. 16+64.0, 23.0 LT
20X6-IN TAPPING SLEEVE & VALVE
NORMALLY CLOSED

CAUTION
GAS, FIBER
OPTICS

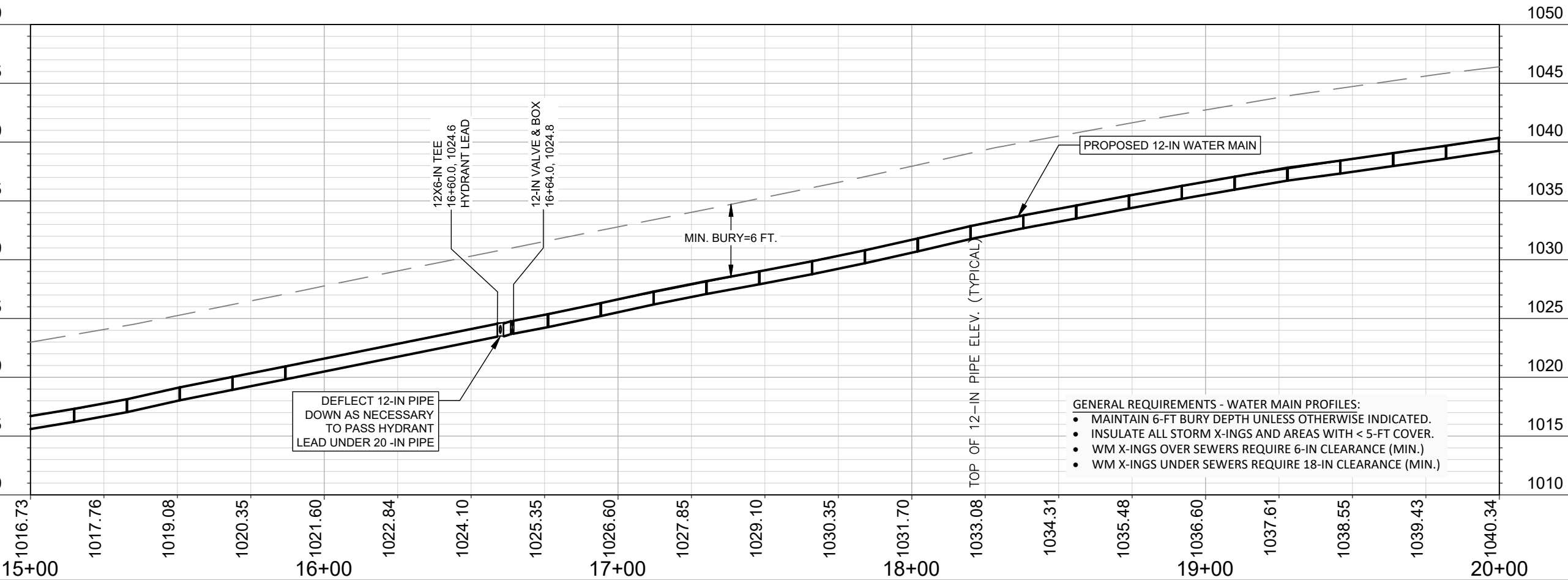
081035298208
4891 FELLAND RD
ZACHERY M CHILSON
LAUREN E DEMARCO

081035400994
902 Reiner Rd
MARKS FARMS LTD

081035194000
4898 FELLAND RD
HAWKIN LEE ZUKOWSKI
MEGHAN NICOLE ZUKOWSKI

MATCHLINE STA. 15+00

MATCHLINE STA. 20+00



SCALE: 1" = 40'
DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/5/20

CONTRACT NO: 8858

FELLAND ROAD WATER MAIN EXTENSION PH. 1
WATER PLAN & PROFILE FELLAND RD.
CITY OF MADISON, WISCONSIN



12327
W-2

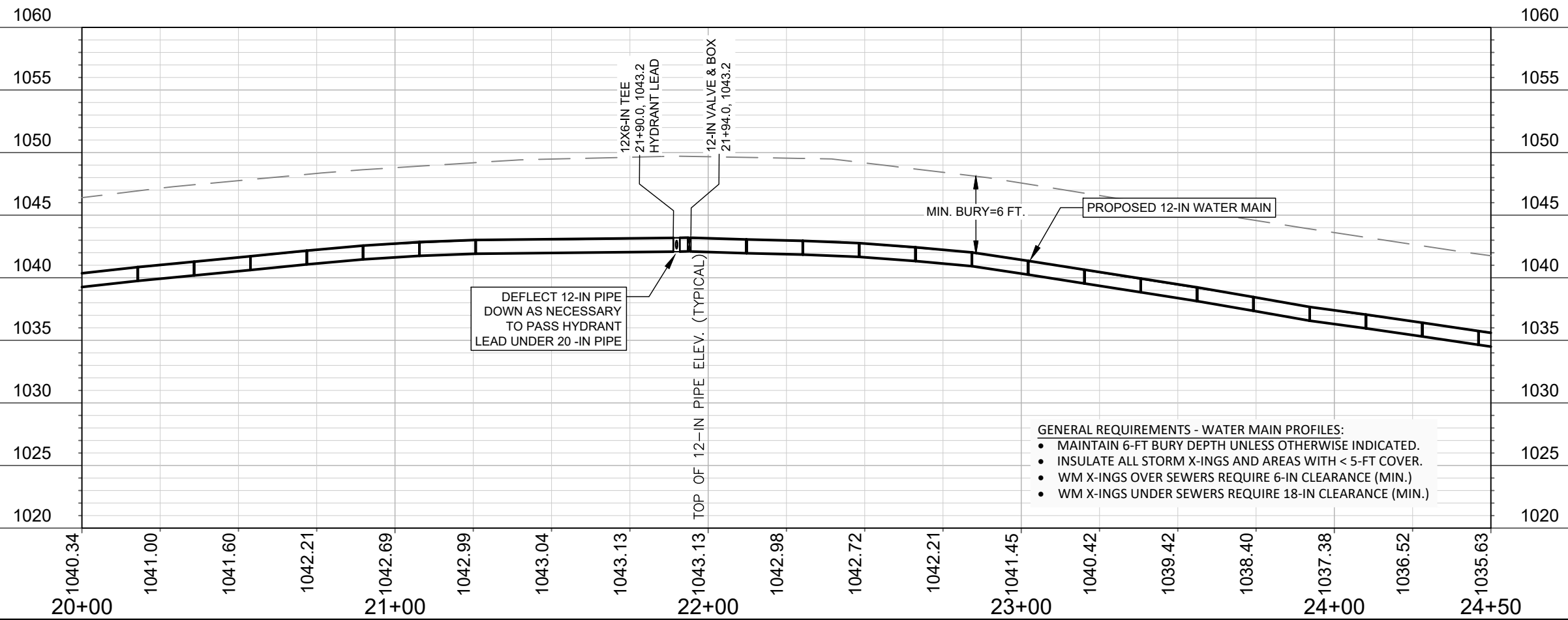
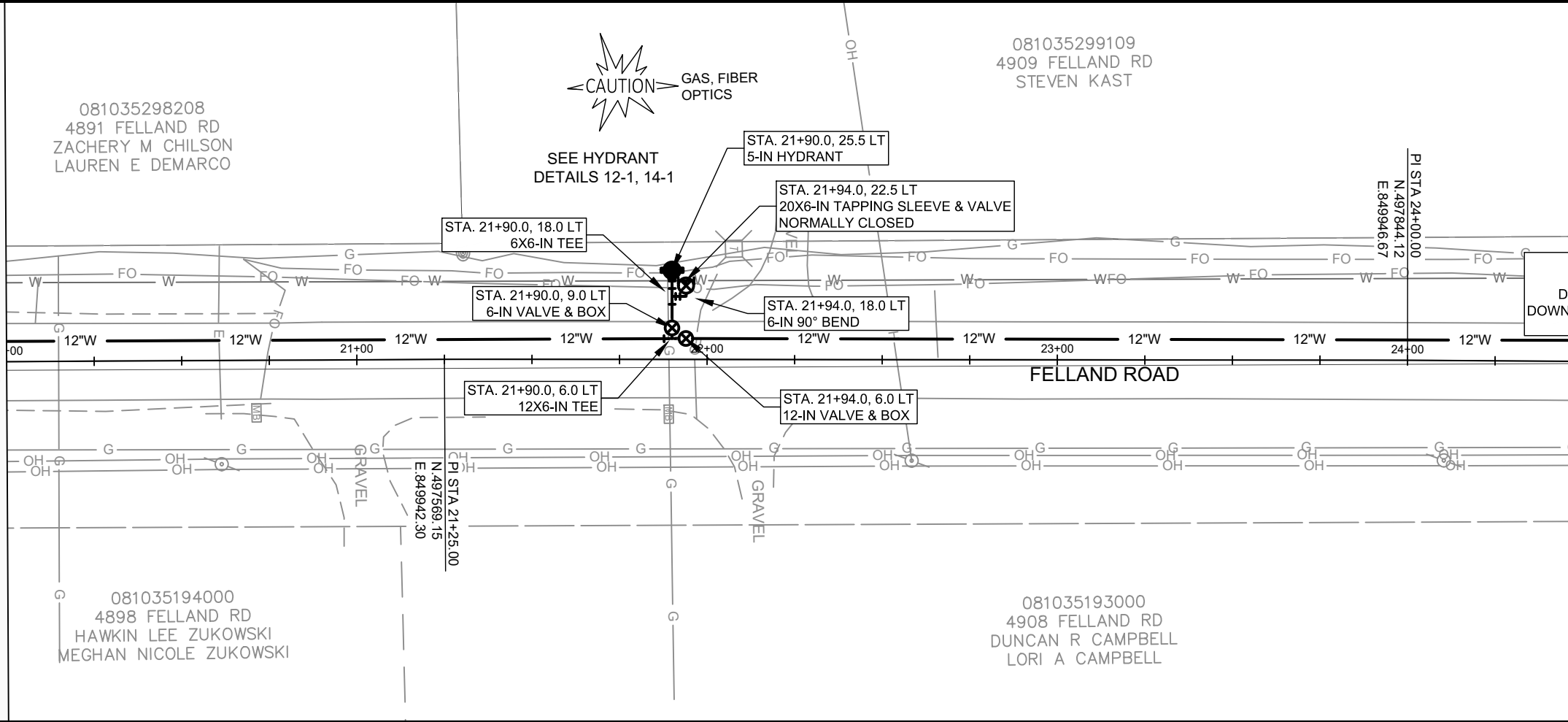


081035298208
4891 FELLAND RD
ZACHERY M CHILSON
LAUREN E DEMARCO

081035299109
4909 FELLAND RD
STEVEN KAST

MATCH LINE STA. 20+00

MATCH LINE STA. 24+50



FELLAND ROAD WATER MAIN EXTENSION PH. 1

WATER PLAN & PROFILE FELLAND RD.

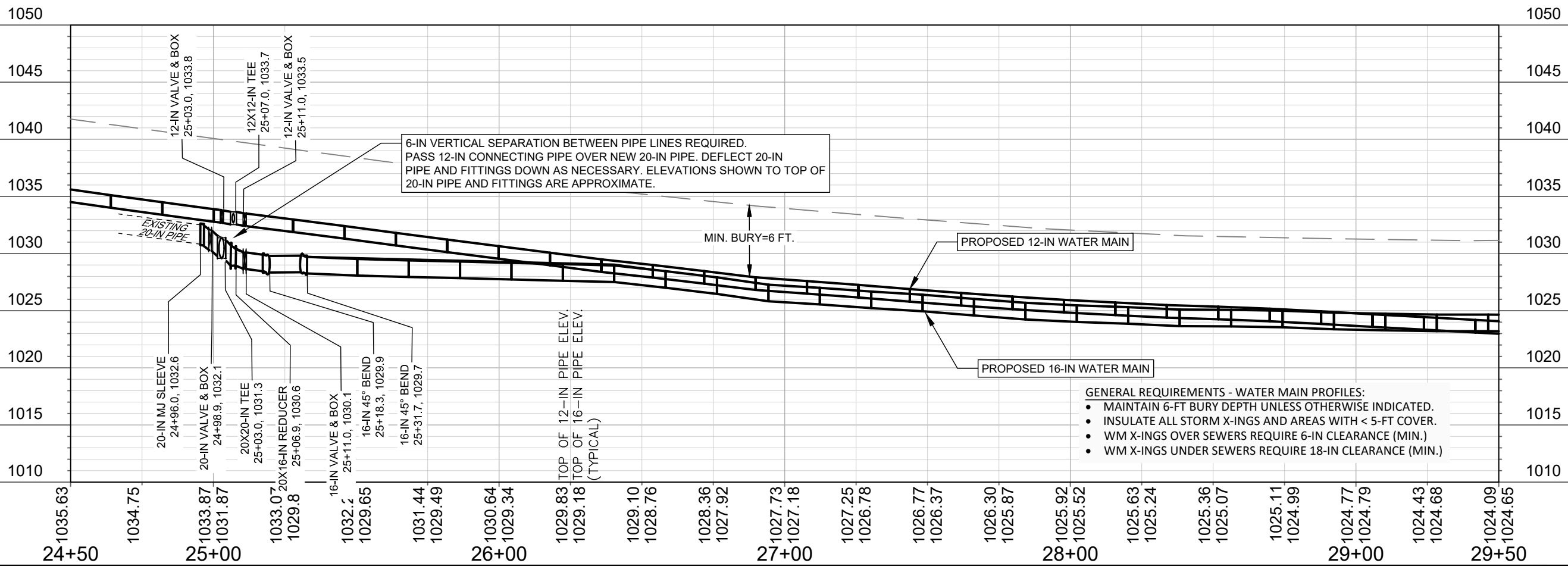
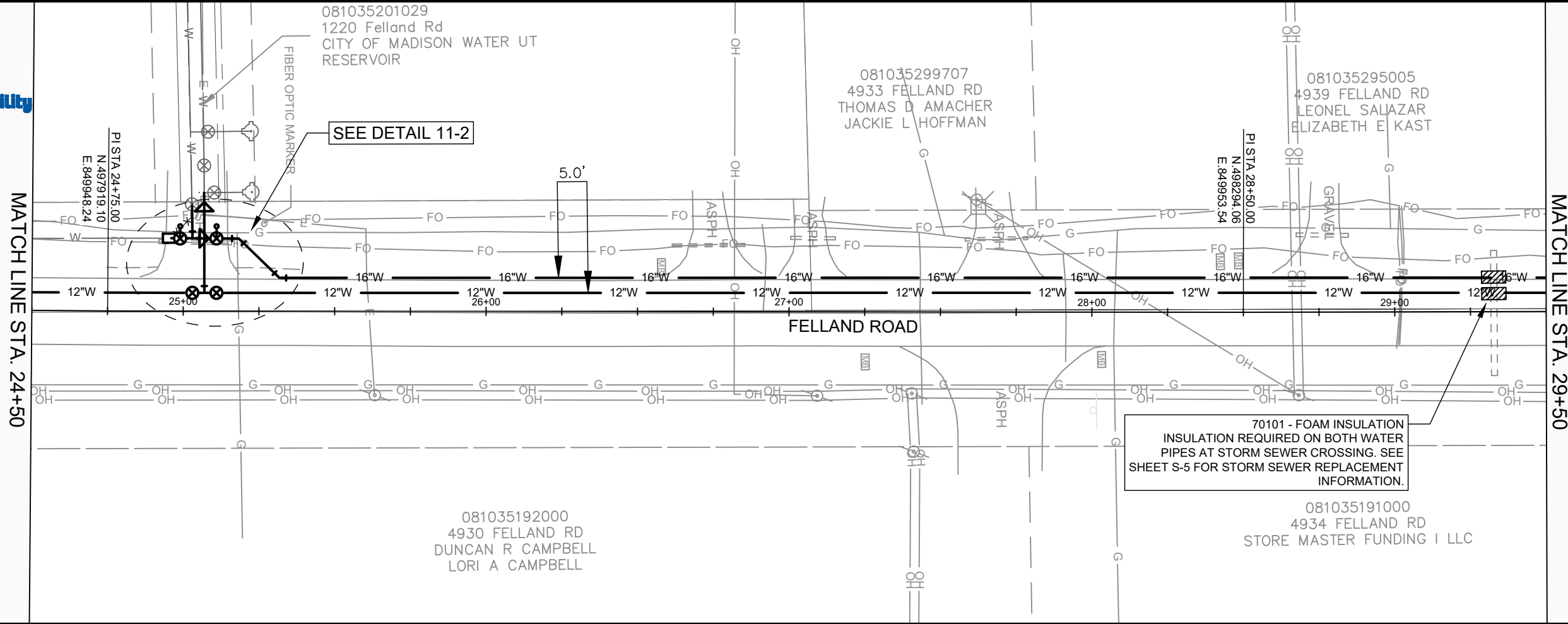
CITY OF MADISON, WISCONSIN

SCALE: 1" = 40'
DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/5/20

CONTRACT NO: 8858



12327
W-3



- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

SCALE: 1" = 40'
 DESIGNED BY: DAR/KBM
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 5/5/20

CONTRACT NO: 8858

FELLAND ROAD WATER MAIN EXTENSION PH. 1
 WATER PLAN & PROFILE FELLAND RD.
 CITY OF MADISON, WISCONSIN



12327
 W-4



081035295005
4939 FELLAND RD
LEONEL SALAZAR
ELIZABETH E KAST

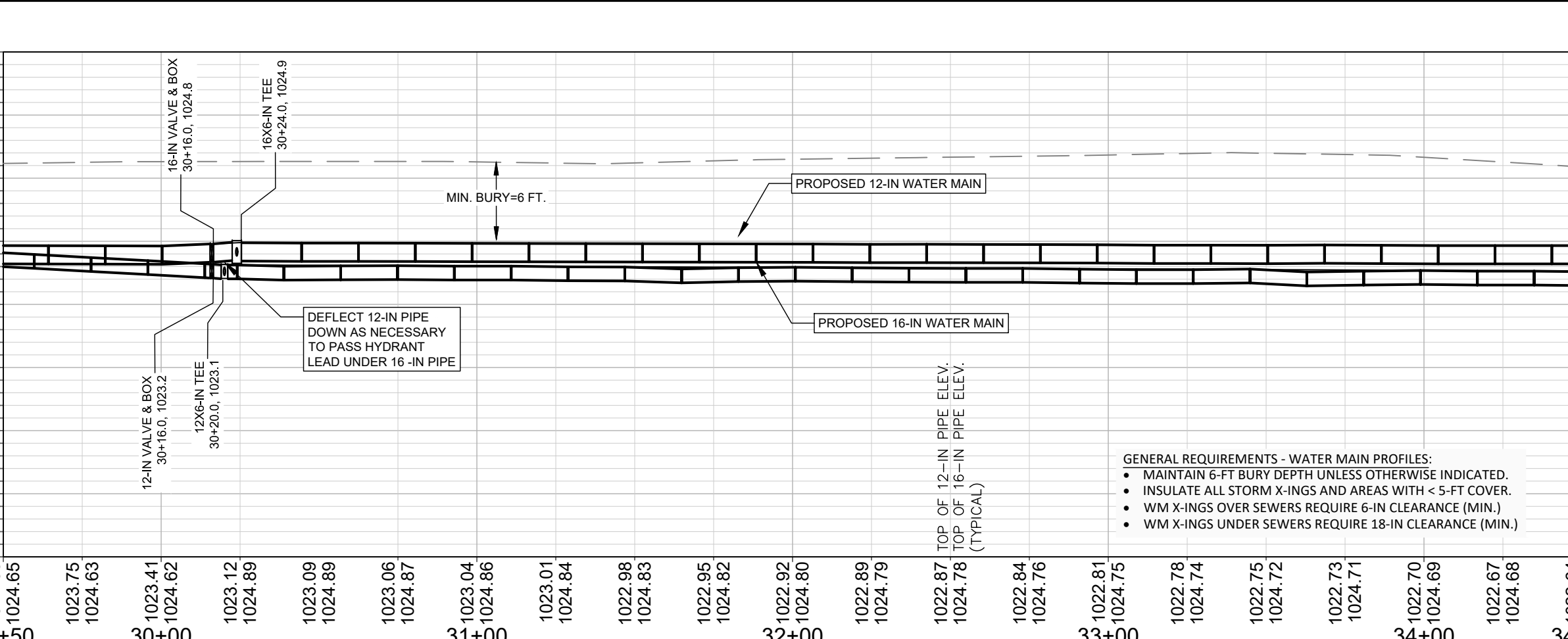
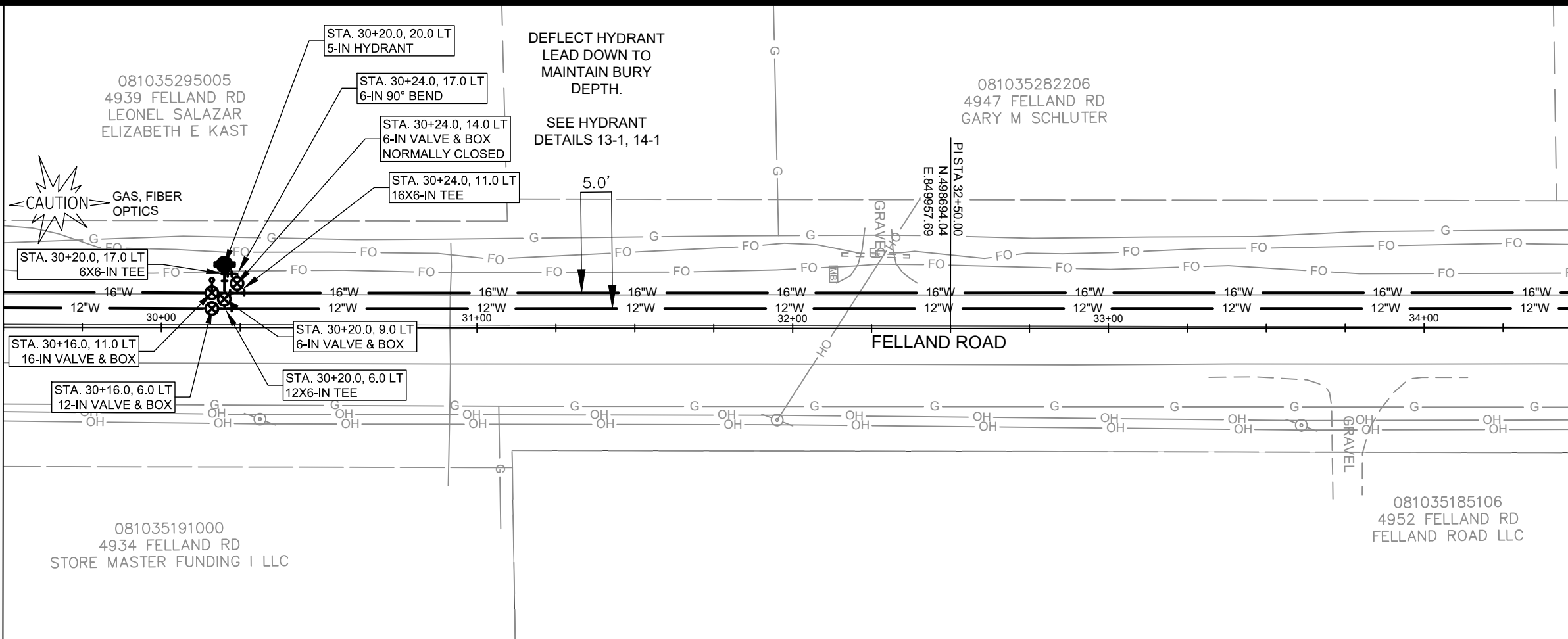
081035282206
4947 FELLAND RD
GARY M SCHLUTER

081035191000
4934 FELLAND RD
STORE MASTER FUNDING I LLC

081035185106
4952 FELLAND RD
FELLAND ROAD LLC

MATCHLINE STA. 29+50

MATCHLINE STA. 34+50



- GENERAL REQUIREMENTS - WATER MAIN PROFILES:**
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

FELLAND ROAD WATER MAIN EXTENSION PH. 1

WATER PLAN & PROFILE FELLAND RD.

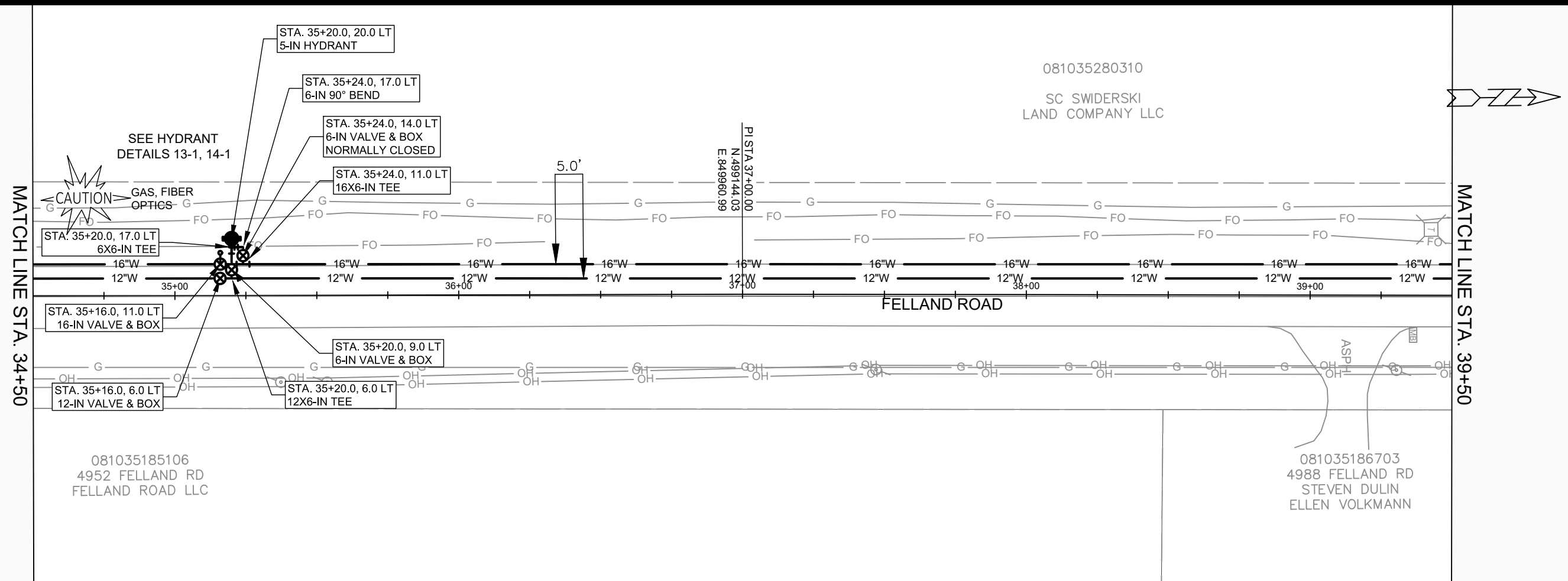
CITY OF MADISON, WISCONSIN

SCALE: 1" = 40'
DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/5/20

CONTRACT NO: 8858



12327
W-5



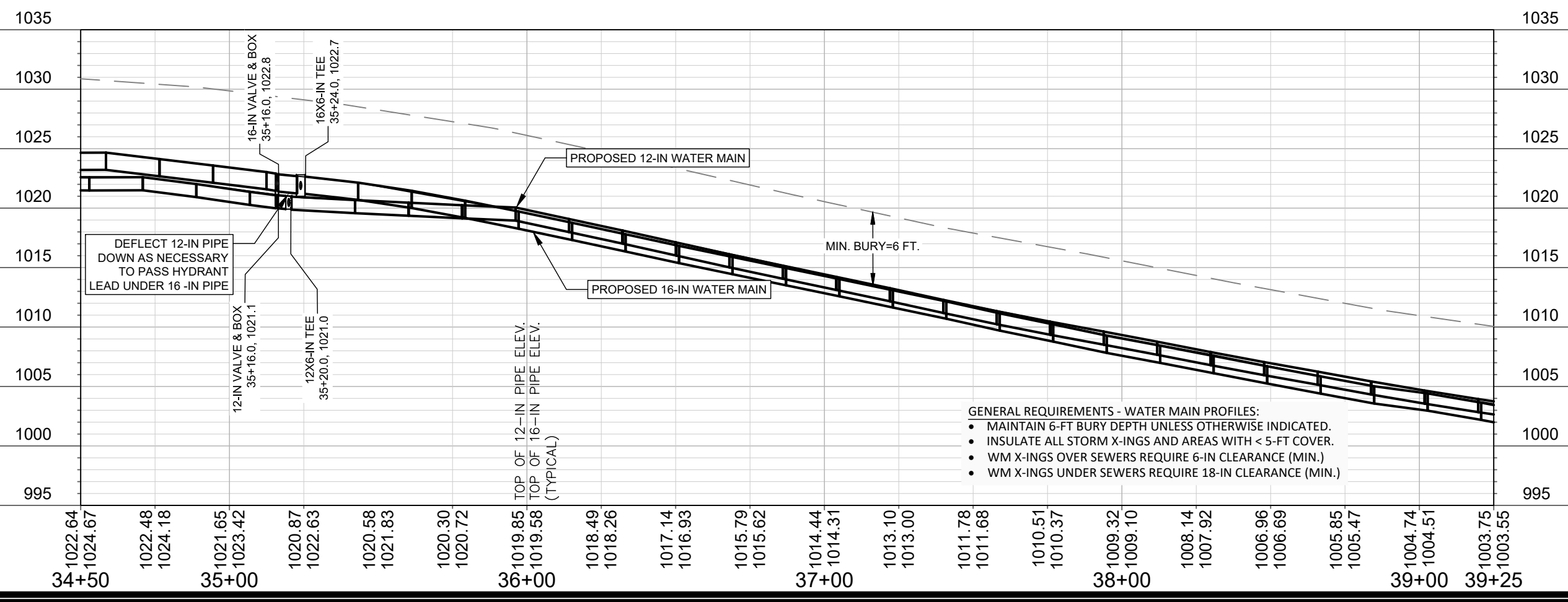
SCALE: 1" = 40'
DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/5/20

CONTRACT NO: 8858

FELLAND ROAD WATER MAIN EXTENSION PH. 1
WATER PLAN & PROFILE FELLAND RD.
CITY OF MADISON, WISCONSIN



12327
W-6





081035280310
SC SWIDERSKI
LAND COMPANY LLC

STA. 40+25.0, 20.0 LT
5-IN HYDRANT

STA. 40+29.0, 17.0 LT
6-IN 90° BEND

STA. 40+29.0, 14.0 LT
6-IN VALVE & BOX
NORMALLY CLOSED

STA. 40+29.0, 11.0 LT
16X6-IN TEE

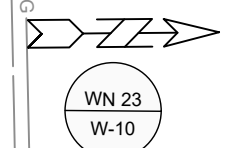
081035284704
5337 REINER RD
JONES FAMILY
REAL PROPERTY TR

081035284802
5003 FELLAND RD
JONES FAMILY
REAL PROPERTY TR

081035280002
5935 LIEN RD
DONALD L JONES

STA. 43+95.0, 22.0 LT
5-IN HYDRANT

STA. 43+95.0, 15.0 LT
6-IN VALVE & BOX



STA. 44+93.3, 20.0 LT
12-IN MJ SLEEVE
CONNECT TO EXST.
12-IN PIPE

MATCH LINE STA. 39+50



STA. 40+25.0, 17.0 LT
6X6-IN TEE

STA. 40+21.0, 11.0 LT
16-IN VALVE & BOX

STA. 40+21.0, 6.0 LT
12-IN VALVE & BOX

STA. 40+25.0, 9.0 LT
6-IN VALVE & BOX

STA. 40+25.0, 6.0 LT
12X6-IN TEE

DEFLECT HYDRANT
LEAD DOWN TO
MAINTAIN BURY
DEPTH.

081035186703
4988 FELLAND RD
STEVEN DULIN
ELLEN VOLKMANN

SEE HYDRANT
DETAILS 13-1, 14-1

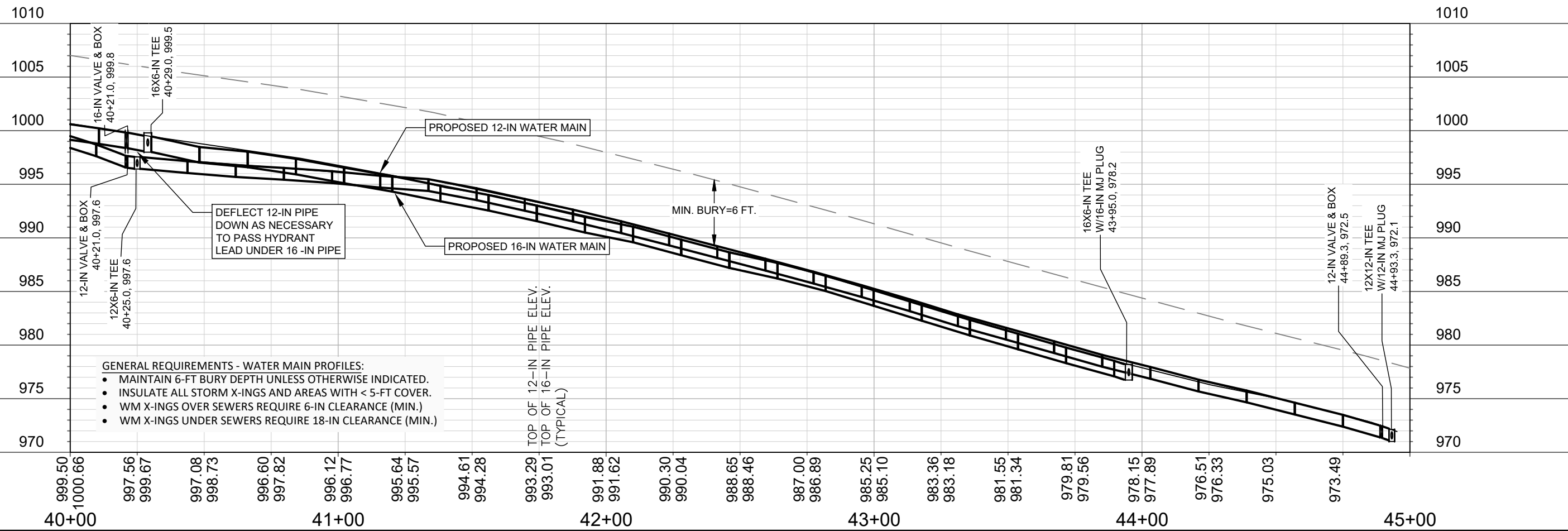
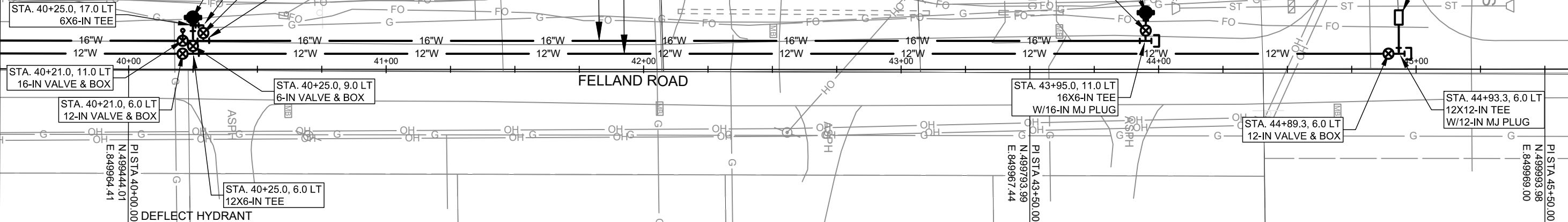
081035186605
4996 FELLAND RD
FOSTER TR

081035186507
5000 FELLAND RD
GEORGE L COOK
VIOLA A COOK

081035186409
5004 FELLAND RD
JOHN A MUNSON

081035186105
5010 FELLAND RD
MARK MUNSON

081026492407
5020 FELLAND RD
DENNIS A DAVIDSON
LINDA L DAVIDSON

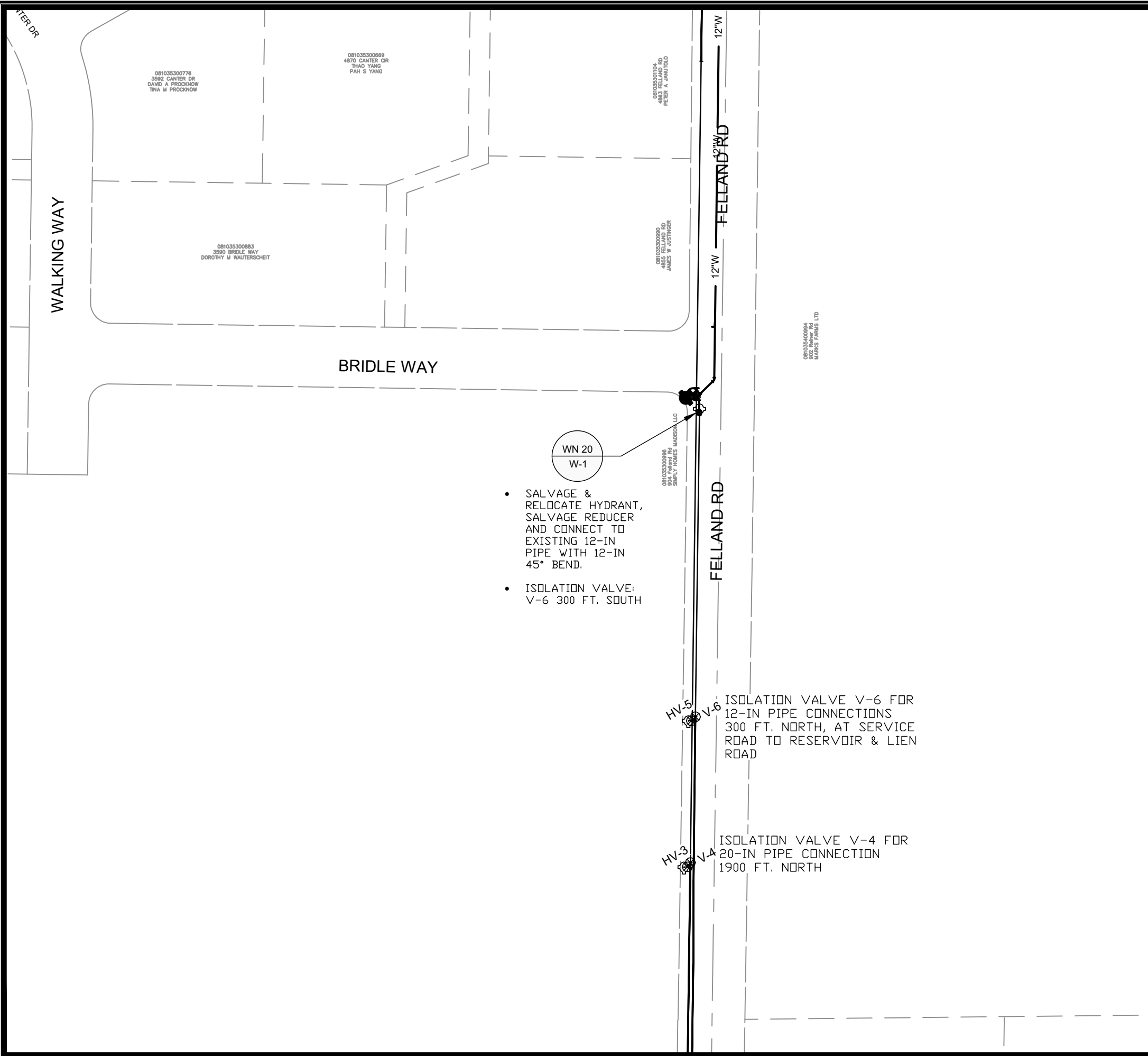


SCALE: 1" = 40'
DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/5/20

FELLAND ROAD WATER MAIN EXTENSION PH. 1
WATER PLAN & PROFILE FELLAND RD.
CITY OF MADISON, WISCONSIN
CONTRACT NO: 8858



12327
W-7

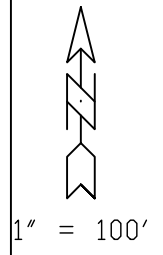


- SALVAGE & RELOCATE HYDRANT, SALVAGE REDUCER AND CONNECT TO EXISTING 12-IN PIPE WITH 12-IN 45° BEND.
- ISOLATION VALVE: V-6 300 FT. SOUTH

WN 20
W-1

HV-5
V-6
ISOLATION VALVE V-6 FOR 12-IN PIPE CONNECTIONS 300 FT. NORTH, AT SERVICE ROAD TO RESERVOIR & LIEN ROAD

HV-3
V-4
ISOLATION VALVE V-4 FOR 20-IN PIPE CONNECTION 1900 FT. NORTH



FELLAND ROAD WATER MAIN EXTENSION PH. 1

WATER IMPACT PLAN

CITY OF MADISON, WISCONSIN

SCALE: #####

DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/5/2020

CONTRACT NO: 8858



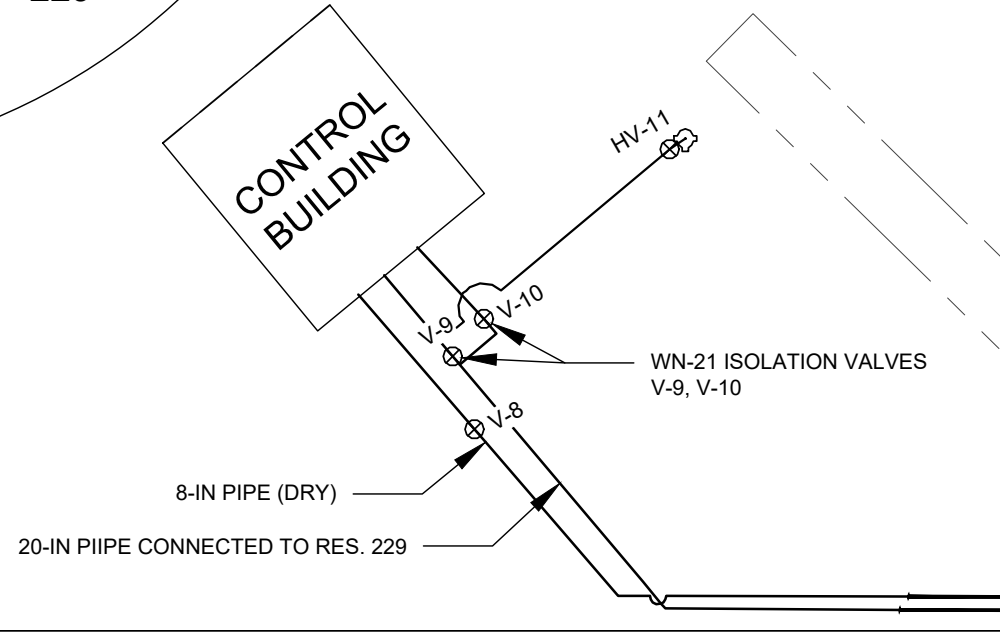
12327

W-8

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

RESERVOIR
229

DETAIL
WN-21 ISOLATION VALVES AT
RESERVOIR 229



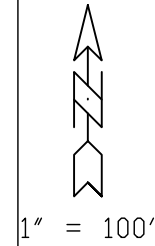
081035299707
4933 FELLAND RD
THOMAS D. AMACHER
JACKIE L. HOFFMAN

081035201029
1220 Felland Rd
CITY OF MADISON WATER UT
RESERVOIR

081035192000
4930 FELLAND RD
DUNCAN R. CAMPBELL
LORI A. CAMPBELL

081035299109
4909 FELLAND RD
STEVEN KAST

081035193000
4908 FELLAND RD
DUNCAN R. CAMPBELL
LORI A. CAMPBELL



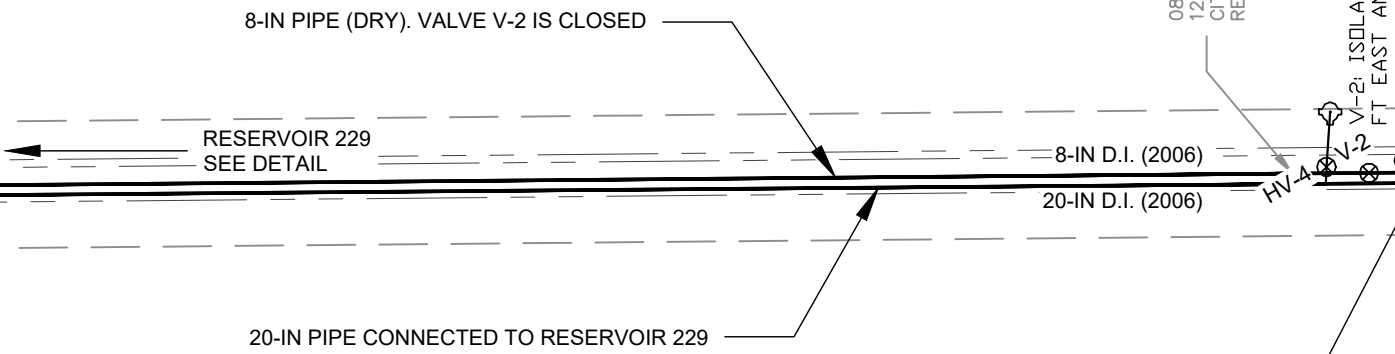
SCALE: #####
DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/5/2020

CONTRACT NO: 8858

FELLAND ROAD WATER MAIN EXTENSION PH. 1
WATER IMPACT PLAN
CITY OF MADISON, WISCONSIN



12327
W-9

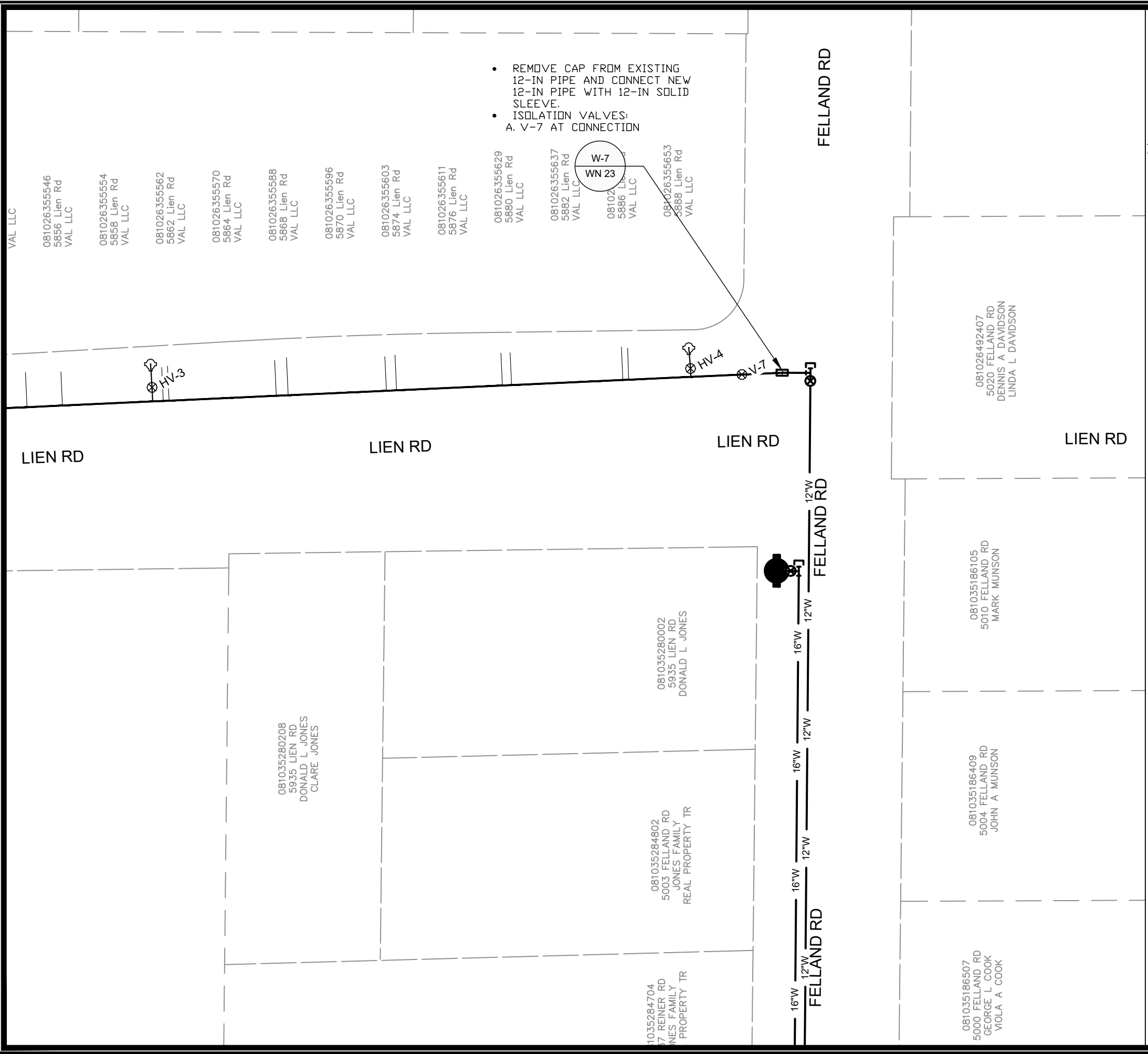


WN-21 NOTE: PROVIDE A MINIMUM OF FOUR DAYS NOTICE OF CUT-IN CONNECTION. COORDINATE THE TIMING OF THE CUT-IN WITH THE MWU CONSTRUCTION INSPECTOR AND MWU WATER SUPPLY MANAGER. THE TRANSMISSION OF WATER FROM THE RESERVOIR TO THE SOUTH VIA THE 20-IN MAIN MAY BE INTERRUPTED FOR NO LONGER THAN 48 HOURS.

- REMOVE 45° BEND FROM 20-IN PIPE FROM SOUTH AND CONNECT NEW PIPE TO EXISTING 20-IN PIPE WITH SOLID SLEEVE CONNECT TO EXISTING 20-IN VALVE WITH NEW 20-IN PIPE FROM 20-IN X 20-IN TEE.
- ISOLATION VALVES:
 - A. V-1 AT CONNECTION
 - B. V-4 APPROX. 1900 FEET SOUTH.
 - C. V-9 & V-10 AT RESERVOIR 229 (SEE DETAIL)

- REMOVE PLUG FROM EXISTING TEE AND CONNECT NEW 8-IN PIPE TO EXISTING TEE
- ISOLATION VALVES:
 - A. V-2 9 FT. WEST
 - B. V-6 300 FT. SOUTH OF BRIDLE WAY.

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.



- REMOVE CAP FROM EXISTING 12-IN PIPE AND CONNECT NEW 12-IN PIPE WITH 12-IN SOLID SLEEVE.
- ISOLATION VALVES:
 - A. V-7 AT CONNECTION



1" = 100'



DISCLAIMER NOTE:
 THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.



FELLAND ROAD WATER MAIN EXTENSION PH. 1

WATER IMPACT PLAN

CITY OF MADISON, WISCONSIN

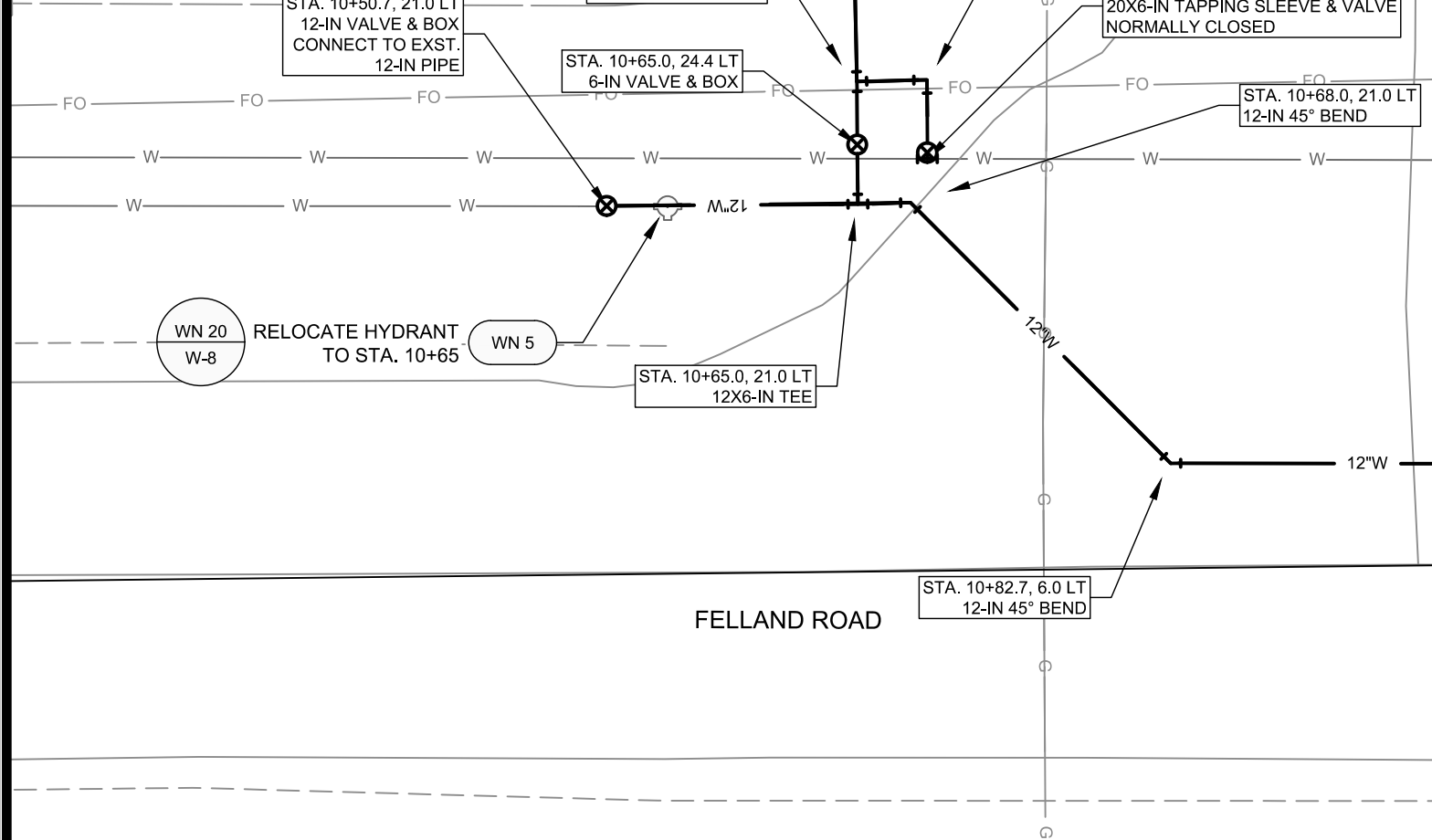
SCALE: #####

DESIGNED BY: DAR/KBM
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 5/5/2020

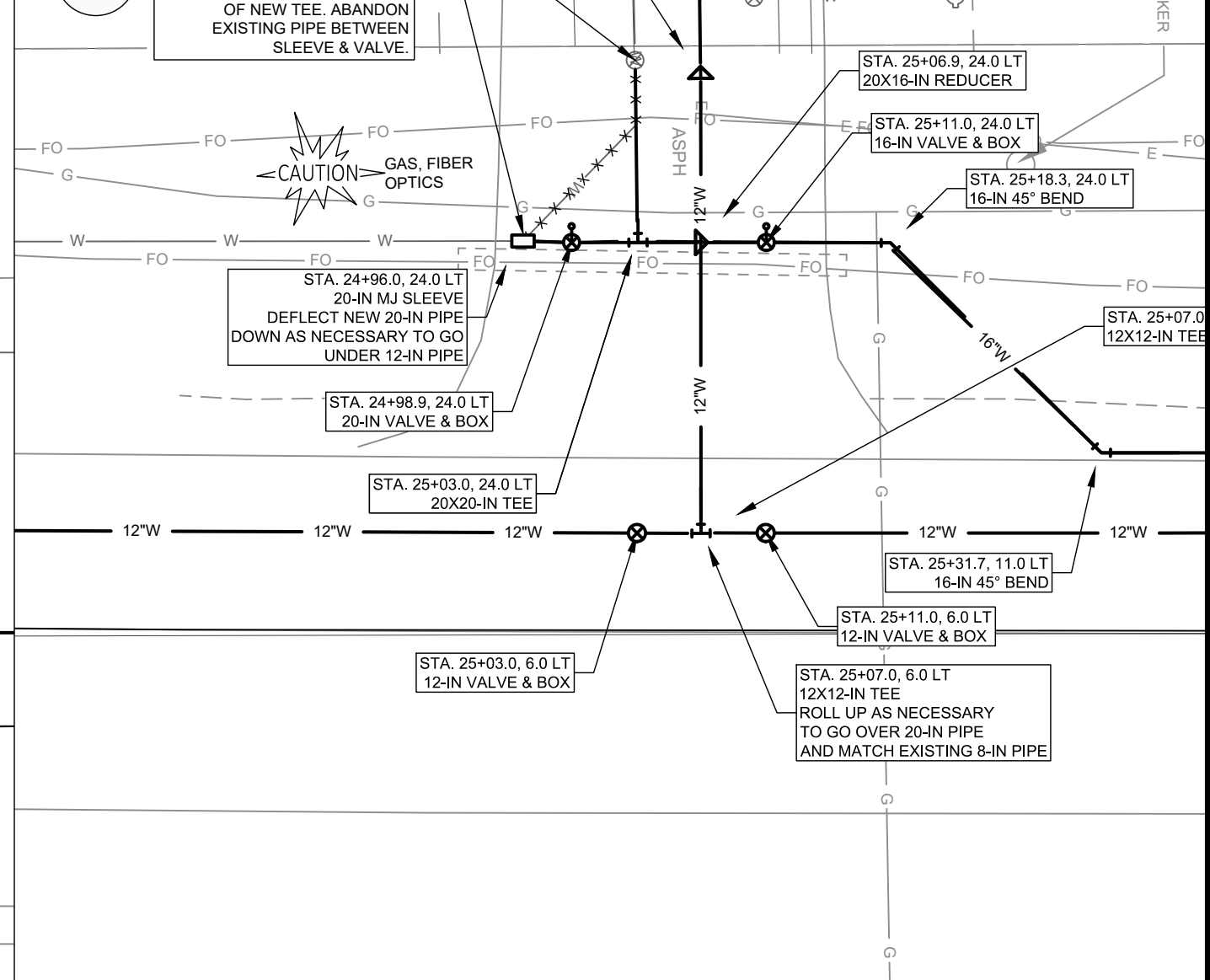
CONTRACT NO: 8858



FELLAND ROAD HYDRAULIC IMPROVEMENTS



DETAIL 11-1
PLAN VIEW: 1" = 10'



DETAIL 11-2
PLAN VIEW: 1" = 10'

NOTE: SEE SHEET W-9 FOR SPECIAL REQUIREMENTS FOR THE CUT-IN CONNECTION TO THE 20-IN MAIN (WN21)

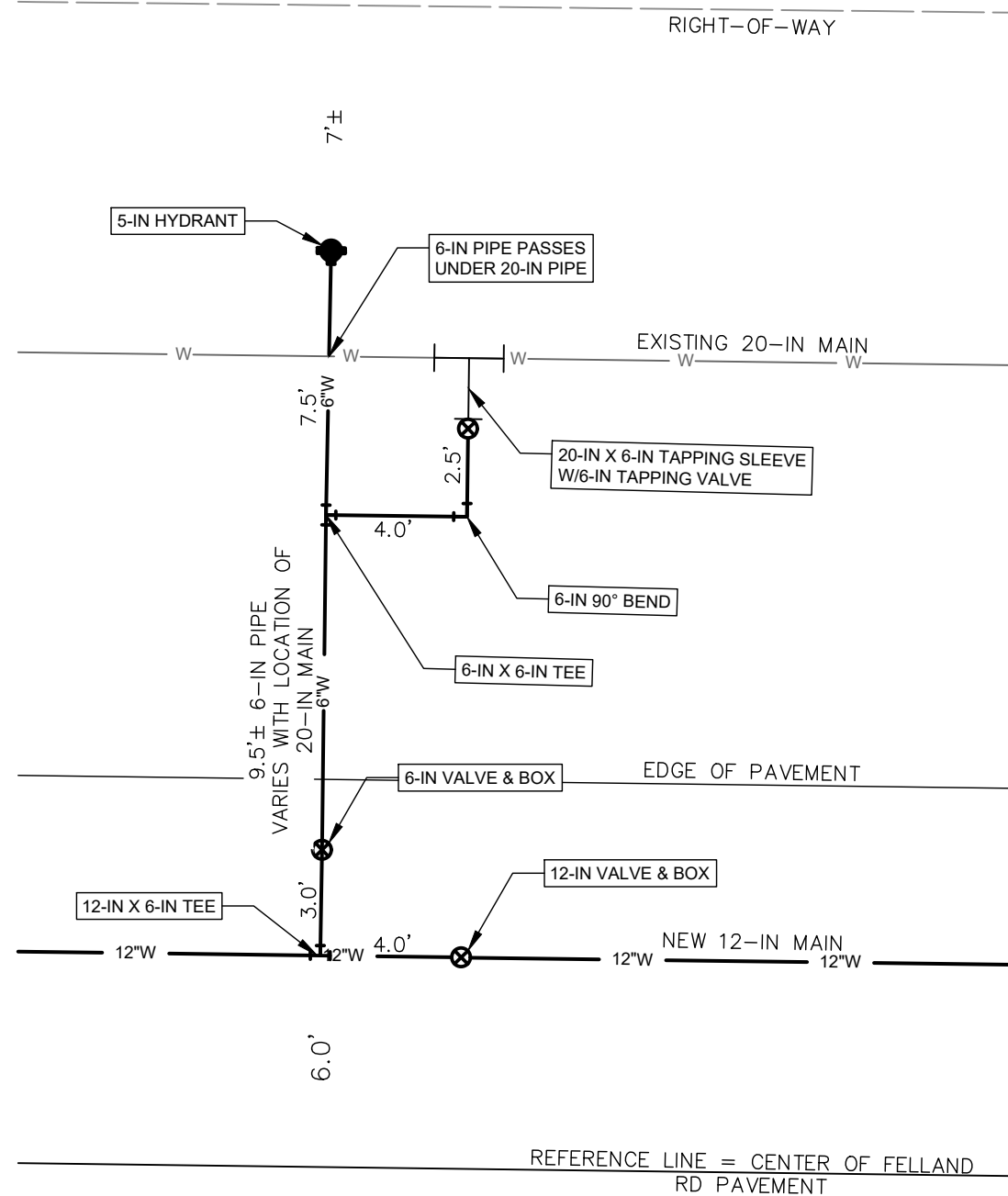
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DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 3/3/20

CONTRACT NO: #####

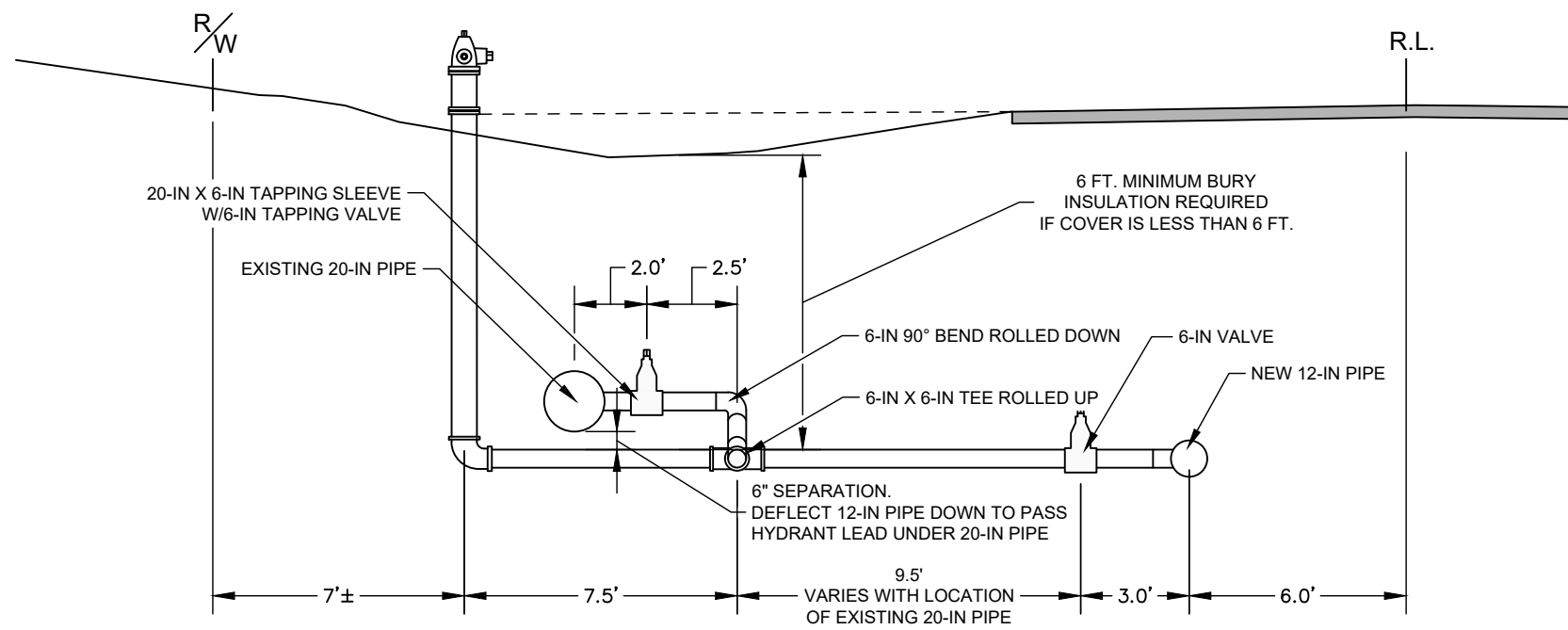
FELLAND ROAD HYDRAULIC IMPROVEMENTS
WATER DETAILS
CITY OF MADISON, WISCONSIN



12327
W-11



PLAN VIEW: 1" = 5'



PROFILE VIEW: 1" = 5'

DETAIL 12-1
HYDRANT CONNECTION
STAS. 10+65, 16+00 & 21+30

SCALE: #####

DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 3/3/20

FELLAND ROAD HYDRAULIC IMPROVEMENTS

WATER DETAILS

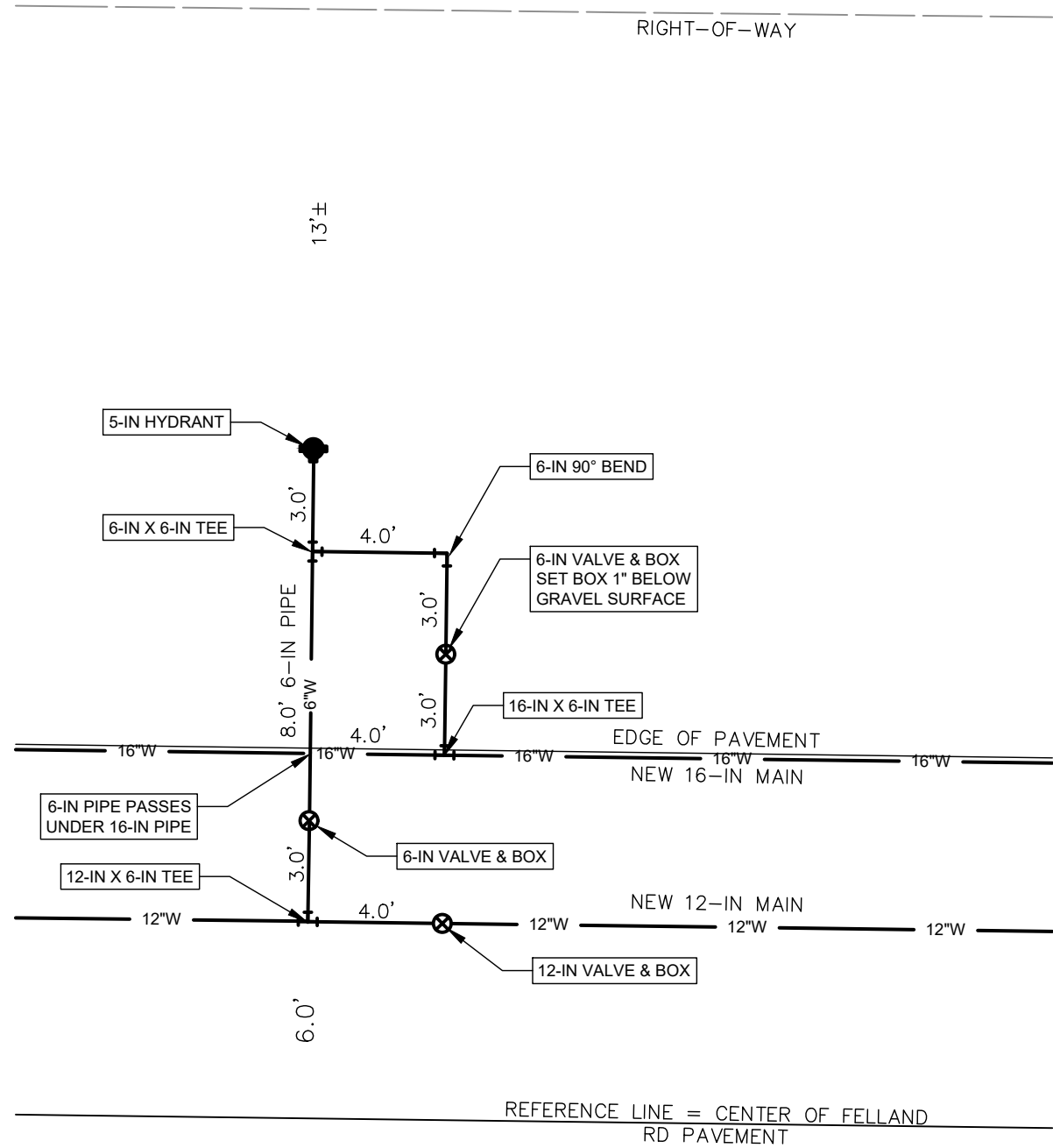
CITY OF MADISON, WISCONSIN

CONTRACT NO: #####

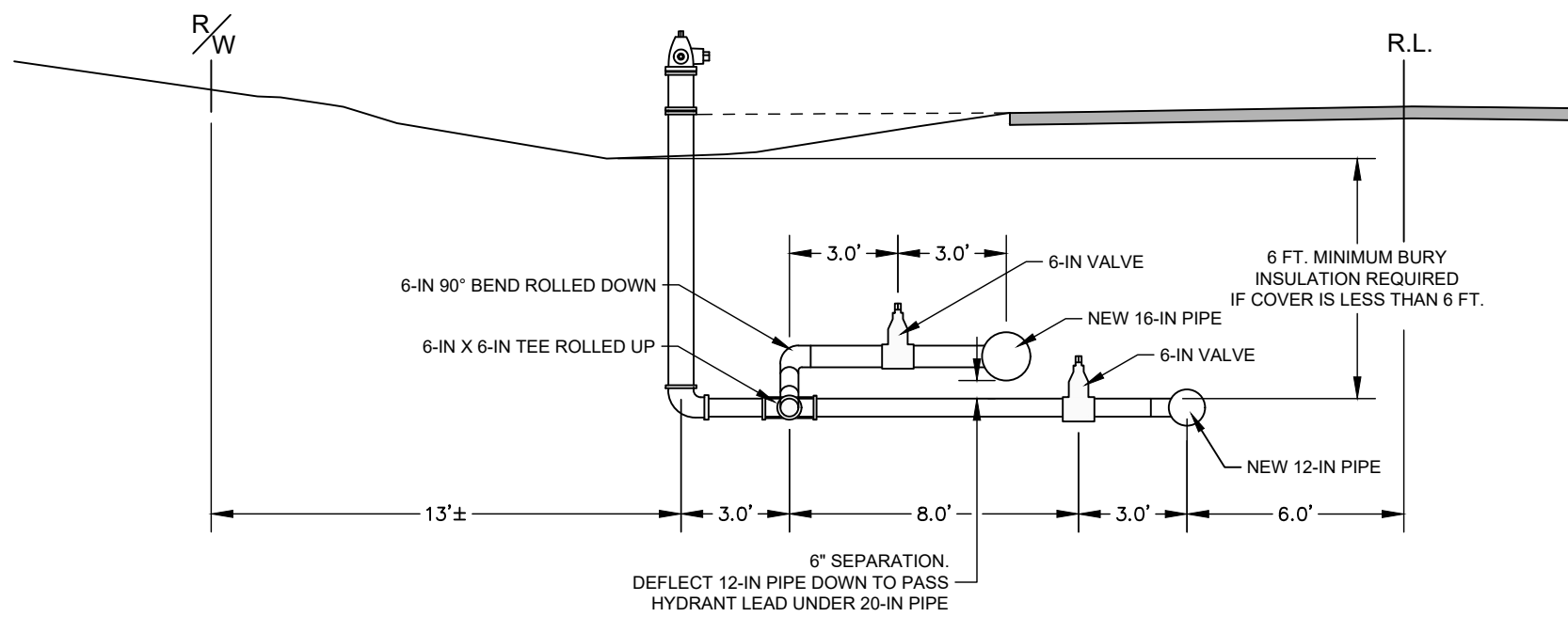


12327

W-12



PLAN VIEW: 1" = 5'



PROFILE VIEW: 1" = 5'

DETAIL 13-1
HYDRANT CONNECTION
STAS. 30+20, 35+20 & 40+25

SCALE: #####
DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 3/3/20

CONTRACT NO: #####

FELLAND ROAD HYDRAULIC IMPROVEMENTS
WATER DETAILS
CITY OF MADISON, WISCONSIN



12327
W-13



CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN ON THIS REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN REPARATION. CONTRACTOR IS RESPONSIBLE OR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN-5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN-8 ABANDON THE VALVE BOX.
- WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN-10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
- WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

WATER UTILITY ULO SCHEDULE				
ULO #1	UTILITY	STATION	OFFSET	SHEET

***ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

PAY ITEM ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	140	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	4	LNFT
70005	FURNISH AND INSTALL 12-INCH PIPE & FITTINGS	3475	LNFT
70006	FURNISH AND INSTALL 16-INCH PIPE & FITTINGS	1880	LNFT
70007	FURNISH AND INSTALL 20-INCH PIPE & FITTINGS	10	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	10	EACH
70034	FURNISH AND INSTALL 12-INCH WATER VALVE	9	EACH
70035	FURNISH AND INSTALL 16-INCH WATER VALVE	4	EACH
70036	FURNISH AND INSTALL 20-INCH WATER VALVE	1	EACH
70040	FURNISH INSTALL AND SALVAGE HYDRANT	6	EACH
70041	RELOCATE HYDRANT	1	EACH
70081	FURNISH EXCAVATION AND DITCH FOR LIVE TAP	3	EACH
70101	FURNISH AND INSTALL STYROFOAM	16	LNFT
71016	12-IN MJ PLUG	1	EACH
71018	16-IN MJ PLUG	1	EACH
71028	12-IN SOLID SLEEVE	1	EACH
71032	20-IN SOLID SLEEVE	1	EACH
71110	6-IN 90° BEND	6	EACH
71125	12-IN 45° BEND	2	EACH
71127	16-IN 45° BEND	2	EACH
71165	12X8-IN REDUCER	1	EACH
71187	20X16-IN REDUCER	1	EACH
71208	6X6-IN TEE	6	EACH
71217	12X6-IN TEE	6	EACH
71220	12X12-IN TEE	2	EACH
71228	16X6-IN TEE	4	EACH
71249	20X20-IN TEE	1	EACH

***ESTIMATE OF MATERIALS SUPPLIED BY WATER UTILITY:**

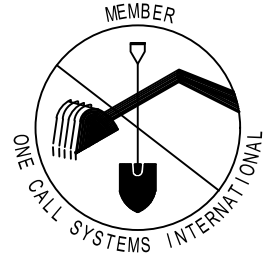
71317	20X6-IN TAPPING SLEEVE & 6-IN TAPPING VALVE	3	EACH
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* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

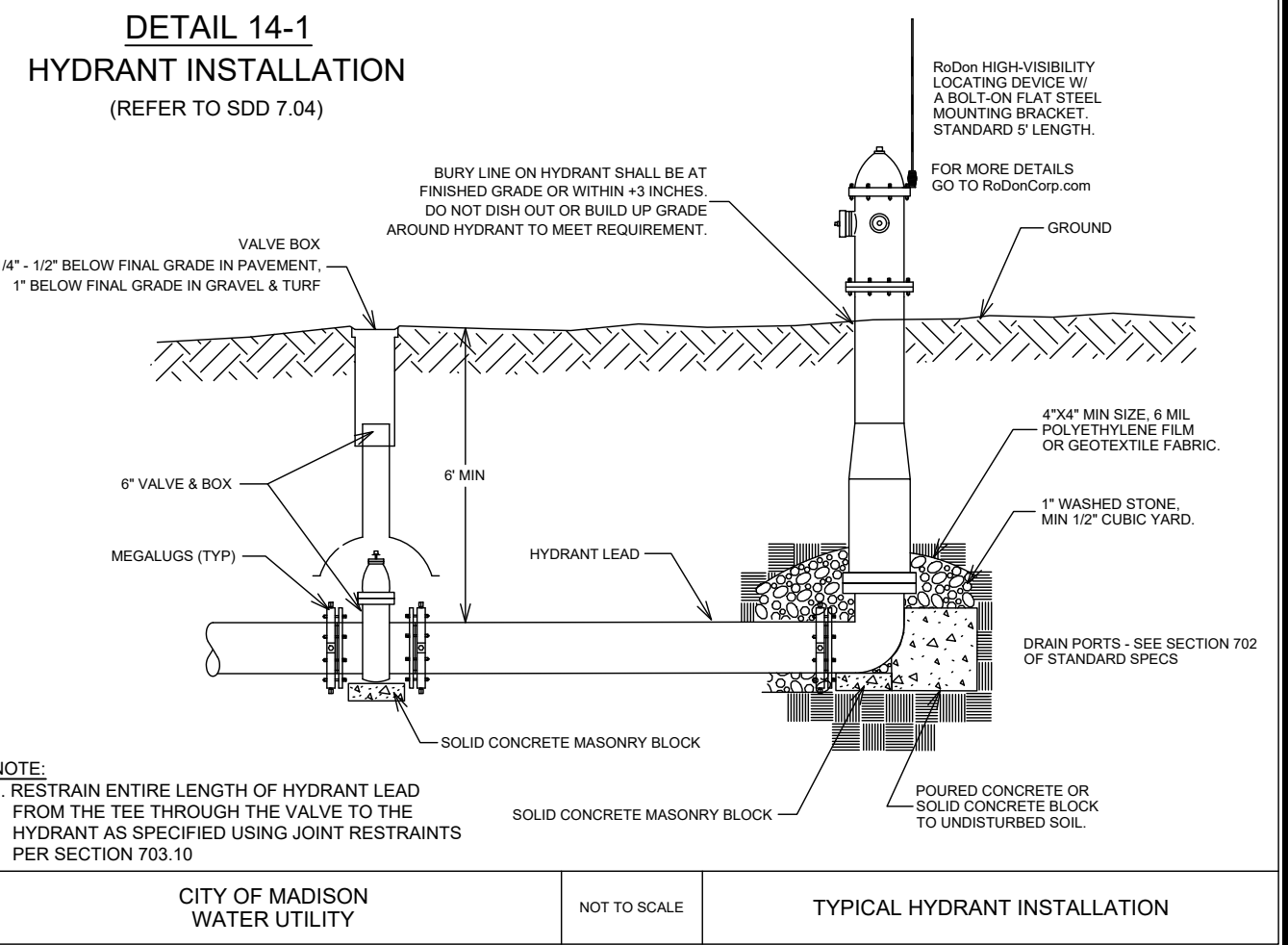
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE TOLL FREE 811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.



DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.



SCALE: #####
DESIGNED BY: DAR/KBM
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/5/20

CONTRACT NO: 8858

FELLAND ROAD WATER MAIN EXTENSION PH. 1
WATER DETAILS & ESTIMATE OF MATERIALS
CITY OF MADISON, WISCONSIN



12327
W-14









12327_Felland Rd_Plans

Final Audit Report

2020-05-05

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