AREA 3

CALIFORNIA	REMOVAL & SESC SHEET 95 PROPOSED PLAN & PROFILE SHEETS 96, 97
VIRGINIA	REMOVAL & SESC SHEET 92 PROPOSED PLAN & PROFILE SHEETS 93, 94

LEGEND

- PROPOSED WATER MAIN
- PROPOSED GATE VALVE AND WELL
- PROPOSED HYDRANT

N

HORIZONTAL SCALE IN FEET
100 50 0 100 200



REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN

OVERALL PLAN - AREA 2

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

SHEET
79

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2025 WATER MAIN REHABILITATION DESIGN

PROJECT MANAGER: KELLY MORRIS-MCALARD
CHECKED: KAMARA MORRIS-MCALARD
DWG PATH: K:\Projects\TAY3164-23T\CAD\OVERALL AREA 2.DWG PLOTTED 11/6/2026 10:38 AM BY FLANAGAN, MARTIN

AREA 3

STRUCTURE	PIPE INVENTORY
SMH-20022 RIM = 601.01	12 INCH PVC IN RCP E INV=585.91 12 INCH PVC IN RCP S INV=586.01 12 INCH PVC IN RCP W INV=586.26 12 INCH PVC IN RCP W INV=590.51
CBS-20049 RIM = 598.83	12 INCH RCP SSE INV=595.08
SMH-20057 RIM = 600.98	12 INCH PVC IN RCP N INV=586.48 12 INCH PVC IN RCP S INV=586.58
CBS-20073 RIM = 599.23	12 INCH RCP S INV=596.13
CBR-20130 RIM = 599.29	12 INCH RCP SW INV=595.14
CBS-20140 RIM = 599.54	NO VISIBLE PIPES
SMH-20154 RIM = 599.95	NO VISIBLE PIPES
GVWD-20230 RIM = 600.78	6 INCH STEEL N & S TOP=594.78
CBR-20281 RIM = 600.02	NO VISIBLE PIPES
SMH-20316 RIM = 600.09	12 INCH PVC IN RCP N INV=590.14 12 INCH RCP S INV=590.19
CBR-20320 RIM = 600.10	12 INCH CMP N INV=598.30 12 INCH CMP S INV=598.30
CBR-20331 RIM = 600.25	12 INCH CMP N INV=598.25 12 INCH CMP S INV=598.25
SMH-20354 RIM = 599.49	12 INCH RCP N INV=591.09 12 INCH RCP S INV=591.24 12 INCH PVC IN RCP W INV=591.14
SMH-20368 RIM = 599.87	12 INCH PVC N INV=591.67 12 INCH PVC W INV=591.82
GVWD-20370 RIM = 599.73	12? INCH STEEL E TOP=593.33
CBS-20501 RIM = 598.24	12 INCH RCP W INV=596.09 12 INCH RCP W INV=596.04 8 INCH CLAY N TO CULVERT INV=596.24 12 INCH CMP S INV=596.39
CBR-20546 RIM = 599.83	12 INCH CMP N INV=597.93 12 INCH CMP S INV=597.93
CBR-20608 RIM = 598.88	12 INCH CMP N INV=597.58 12 INCH CMP S INV=597.58
CBR-20643 RIM = 599.58	12 INCH CMP N INV=598.08 12 INCH CMP S INV=598.08
CBR-20700 RIM = 599.37	12 INCH CMP N INV=597.47 12 INCH CMP S INV=597.47
CBR-20764 RIM = 598.94	12 INCH CMP N INV=597.14 12 INCH CMP S INV=597.14
CBR-20815 RIM = 598.32	12 INCH CMP N INV=596.82 12 INCH CMP S INV=596.82
CBR-20886 RIM = 598.61	12 INCH CMP N INV=595.61 12 INCH CMP S INV=595.61
CBS-20920 RIM = 598.38	12 INCH RCP N INV=595.98 12 INCH RCP E INV=595.68
CBS-20938 RIM = 598.36	12 INCH RCP SSE INV=594.86 12 INCH CMP N INV=594.86 12 INCH RCP W INV=594.86
GVWD-20940 RIM = 599.44	NO VISIBLE PIPES
GVWD-20941 RIM = 599.47	12 INCH STEEL E & W TOP=593.22
STMH-20955 RIM = 598.94	12 INCH RCP NNW INV=594.44
CBR-20994 RIM = 598.15	12 INCH CMP N INV=596.65 12 INCH CMP S INV=596.65
GVWD-21087 RIM = 600.95	8 INCH STEEL E & W TOP=595.05
CBR-21112 RIM = 600.09	12 INCH CMP E INV=598.79 12 INCH CMP W INV=598.79
CBR-21122 RIM = 600.01	12 INCH CMP E INV=598.71 12 INCH CMP W INV=598.71
CBR-21136 RIM = 600.29	12 INCH CMP E INV=598.99 12 INCH CMP W INV=598.99
CBR-21139 RIM = 599.94	12 INCH CMP E INV=598.84 12 INCH CMP W INV=598.84
CBS-21201 RIM = 597.65	12 INCH RCP N INV=591.25
GVWD-21203 RIM = 598.41	NO VISIBLE PIPES
GVWD-21204 RIM = 598.41	6 INCH STEEL E TOP=592.51 8 INCH STEEL W TOP=592.51
GVWD-21205 RIM = 598.41	8 INCH STEEL N & E & W TOP=592.91
SMH-21231 RIM = 597.58	NO VISIBLE PIPES
STMH-21232 RIM = 597.37	NO VISIBLE PIPES
GVWD-21236 RIM = 597.67	NO VISIBLE PIPES
GVWD-21251 RIM = 597.63	12 INCH STEEL N & S TOP=590.63
CBS-21340 RIM = 599.85	12 INCH RCP NNW INV=595.95
STMH-21377 RIM = 600.04	30 INCH RCP W INV=591.69 30 INCH RCP E INV=591.59 12 INCH RCP SSE INV=594.54
STMH-50009 RIM = 599.98	12 INCH RCP SW INV=595.08 30 INCH RCP S INV=591.98 30 INCH RCP N INV=591.93
CBS-50010 RIM = 599.34	12 INCH RCP NE INV=595.54
STMH-50021 RIM = 600.16	12 INCH RCP NNW INV=594.56 12 INCH RCP W INV=593.61 30 INCH RCP N INV=592.06 18 INCH RCP S INV=592.66 12 INCH RCP SE INV=593.06
STMH-50032 RIM = 600.94	18 INCH RCP N INV=593.04 18 INCH RCP SSE INV=593.29 12 INCH RCP NW INV=595.14 12 INCH RCP ESE INV=593.64
CBR-50220 RIM = 600.14	12 INCH CMP N INV=598.34 12 INCH CMP S INV=598.34
CBS-50236 RIM = 600.20	12 INCH CMP N INV=598.50 12 INCH CMP S INV=598.50
CBR-50242 RIM = 600.31	12 INCH CMP N INV=598.31 12 INCH CMP S INV=598.31
CBR-50243 RIM = 599.98	12 INCH CMP N INV=598.18 12 INCH CMP S INV=598.18
CBR-50268 RIM = 599.93	12 INCH CMP N INV=598.23 12 INCH CMP S INV=598.23
CBR-50270 RIM = 599.97	12 INCH CMP N INV=597.97 12 INCH CMP S INV=597.97
CBR-50274 RIM = 600.16	12 INCH CMP N INV=598.06 12 INCH CMP S INV=598.06
CBR-50282 RIM = 600.13	12 INCH CMP N INV=598.33 12 INCH CMP S INV=598.33
CBS-50298 RIM = 599.25	12 INCH RCP SSE INV=594.45 12 INCH RCP W INV=594.45 12 INCH RCP N INV=596.25
CBS-50373 RIM = 598.73	12 INCH RCP S INV=596.83 12 INCH RCP W INV=596.23
CBS-50428 RIM = 600.35	12 INCH RCP ESE INV=596.00
CBS-50430 RIM = 598.99	12 INCH RCP E INV=595.34
CBS-50431 RIM = 598.58	12 INCH RCP WNW INV=593.93
CBS-50432 RIM = 597.11	12 INCH RCP W INV=591.81
CBS-50433 RIM = 597.08	12 INCH RCP E INV=591.48 12 INCH RCP W INV=591.48 12 INCH RCP S INV=591.68
STMH-50434 RIM = 597.97	24 INCH RCP N INV=589.47 12 INCH RCP E INV=591.07 18 INCH RCP S INV=589.47
STMH-50436 RIM = 601.03	30 INCH RCP W INV=591.23 30 INCH RCP N INV=591.23 12 INCH RCP S INV=597.53 12 INCH RCP ESE INV=597.53
STMH-50437 RIM = 599.96	30 INCH RCP N INV=590.86 30 INCH RCP S INV=590.86

STRUCTURE	PIPE INVENTORY
GVWD-24252 RIM = 600.24	8 INCH STEEL-COULDNOT SEE-FELT WITH ROD S-N TOP=593.19
CBR-24261 RIM = 600.32	12 INCH STEEL NE INV=598.92 12 INCH STEEL S INV=598.92
CBR-24263 RIM = 600.20	12 INCH STEEL E INV=599.20 12 INCH STEEL SW INV=598.95 12 INCH STEEL NW INV=598.80
CBR-24268 RIM = 599.97	12 INCH STEEL E INV=598.07 12 INCH STEEL W INV=598.07
STMH-24418 RIM = 598.98	12 INCH RCP N INV=591.68 12 INCH RCP NW INV=591.68 12 INCH RCP SE INV=591.68
CBS-24421 RIM = 597.83	12 INCH RCP NW INV=591.43 6 INCH CLAY S INV=591.83 6 INCH CLAY N INV=591.83
CBS-24459 RIM = 598.00	12 INCH RCP S INV=592.80 12 INCH RCP W INV=595.40
STMH-24509 RIM = 598.11	12 INCH RCP NNE INV=594.41
SMH-24534 RIM = 601.49	12 INCH PVC N INV=587.24 12 INCH PVC S INV=587.29
STMH-24535 RIM = 601.65	12 INCH RCP W INV=593.85 12 INCH RCP S INV=593.75 18 INCH RCP NE INV=593.40
SMH-24563 RIM = 600.07	12 INCH RCP N INV=589.12 12 INCH PVC INSIDE RCP S INV=589.22
GVWD-24684 RIM = 599.79	8 INCH STEEL S-N TOP=593.24
CBS-24814 RIM = 597.60	12 INCH RCP N INV=595.70 12 INCH RCP W INV=595.70 12 INCH RCP E INV=595.60
GVWD-24848 RIM = 598.46	12 INCH STEEL S-N TOP=594.01
STMH-24857 RIM = 598.28	NO VISIBLE PIPES
CBS-24895 RIM = 597.58	12 INCH RCP W INV=595.48 12 INCH RCP S INV=595.38
GVWD-24912 RIM = 598.02	8 INCH STEEL FELT WITH ROD S-N TOP=592.32
CBR-24939 RIM = 600.14	12 INCH STEEL S INV=598.14 12 INCH STEEL N INV=598.14
SMH-75002 RIM = 599.13	15 INCH RCP N INV=586.73 15 INCH RCP S INV=586.73
SMH-75003 RIM = 599.38	15 INCH RCP N INV=586.08 15 INCH RCP S INV=586.08
SMH-75004 RIM = 599.44	12 INCH RCP N INV=586.14 12 INCH RCP S INV=586.14

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
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Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
STRUCTURE TABLE AREA 2

ISSUED FOR: BID | DATE: 11/10/26 | BY: KMA

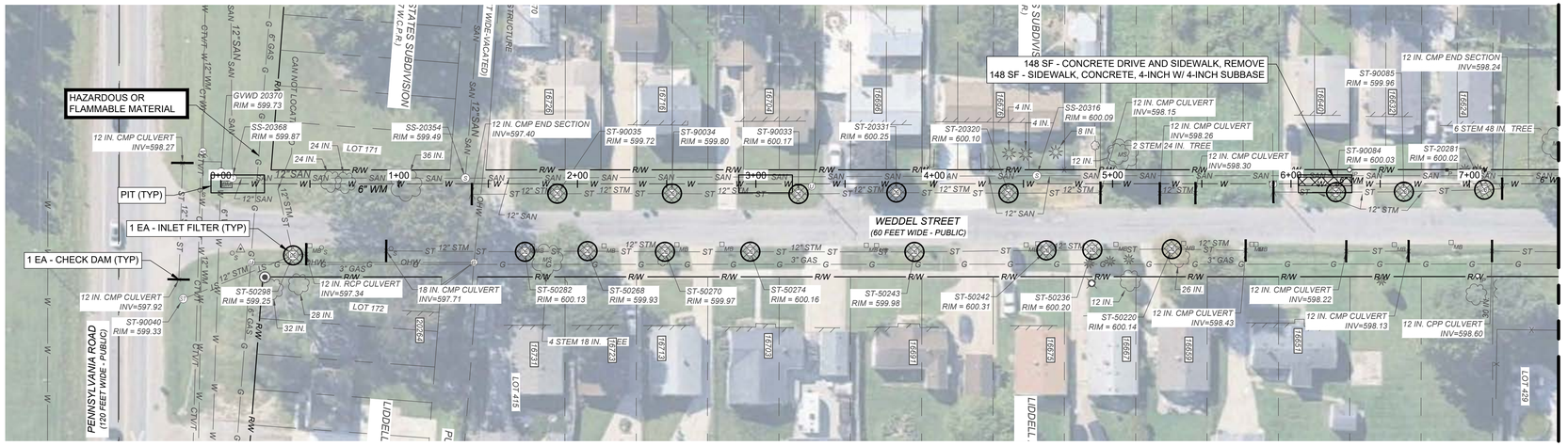
JOB NO. TAY3164-23T

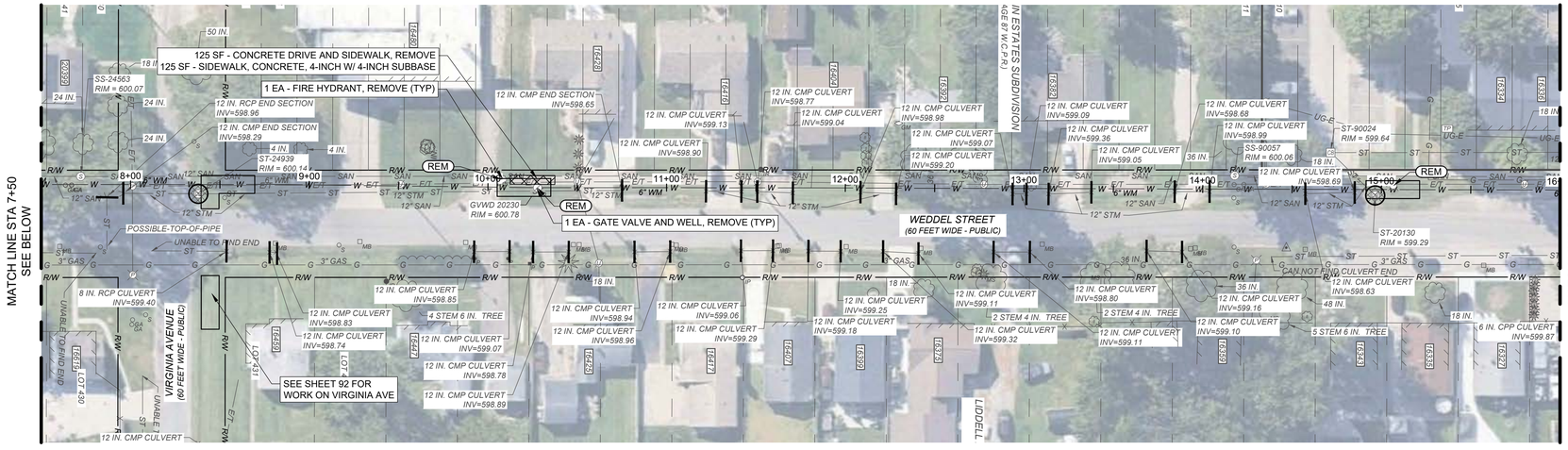
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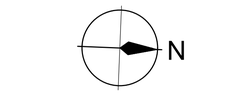
2025 WATER MAIN REHABILITATION DESIGN

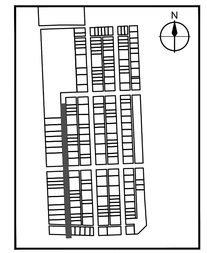
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PROJECT MANAGER: KELLY MCROBB-ACKLAND
CHECK: KRISTA KNOWLTON-SIMPSON P:\2025\TAY3164-23T\STRUCTURE TABLES.DWG PLOTTED 11/6/2026 10:38 AM BY FLANIGAN, MARTIN









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

19	EA	INLET FILTER
50	EA	CHECK DAM
1	EA	GATE VALVE AND WELL, REMOVE
2	EA	FIRE HYDRANT, REMOVE
1098	SF	CONCRETE DRIVE AND SIDEWALK, REMOVE
1098	SF	SIDEWALK, CONCRETE, 4-INCH W/ 4-INCH SUBBASE

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN - WEDDEL STA 0+00 TO 16+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

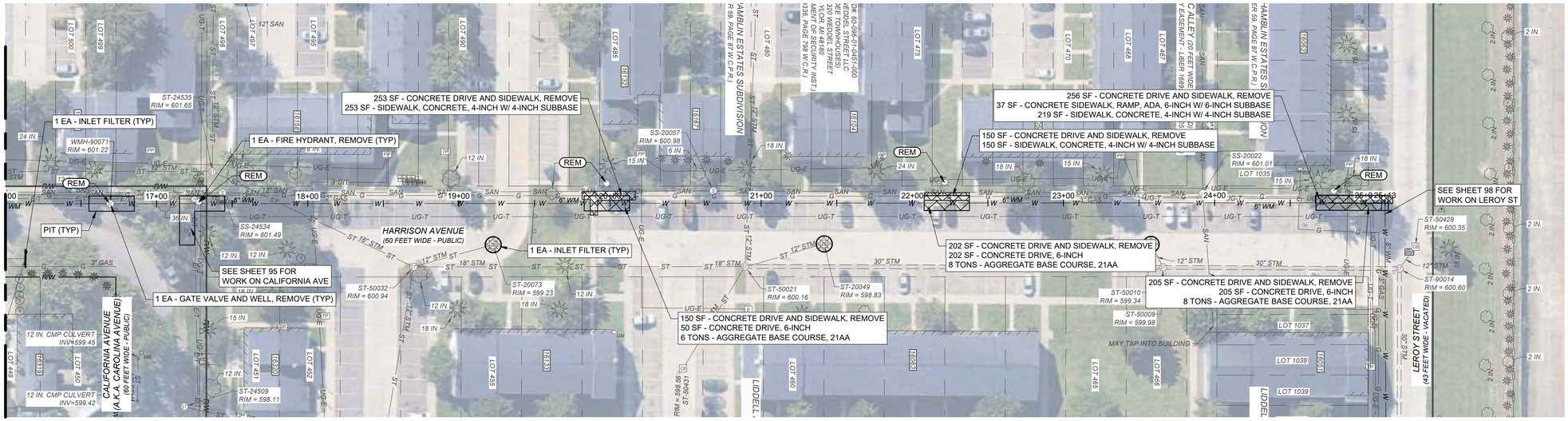
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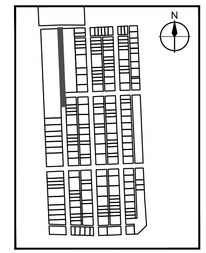
2025 WATER MAIN REHABILITATION DESIGN

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Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: K:\WADE TRIM\TAYLOR - 2025 WATER MAIN REHAB\EA\WEDDEL.DWG PLOTTED 11/6/2026 10:39 AM BY FLANAGAN, MARTIN





KEY PLAN

HORIZONTAL SCALE IN FEET
40 20 0 40 80

SUMMARY OF QUANTITIES THIS SHEET

3	EA	INLET FILTER
1	EA	CHECK DAM
1	EA	GATE VALVE AND WELL, REMOVE
4	EA	FIRE HYDRANT, REMOVE
2041	SF	CONCRETE DRIVE AND SIDEWALK, REMOVE
1447	SF	SIDEWALK, CONCRETE, 4-INCH W/ 4-INCH SUBBASE
37	SF	CONCRETE SIDEWALK RAMP, ADA, 6-INCH W/ 6-INCH SUBBASE
557	SF	CONCRETE DRIVE, 6-INCH
22	TON	AGGREGATE BASE COURSE, 21AA

Know what's below. Call before you dig.

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CAD: I:\WADE TRIM\TAYLOR - 2023\TAY3164-23T\CAD\EA\-WEDDEL.DWG PLOTTED 11/6/2025 10:39 AM BY FLANAGAN, MARTIN

REV#	DATE	DESCRIPTION	BY

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Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN -
WEDDEL STA 16+00 TO 25+13

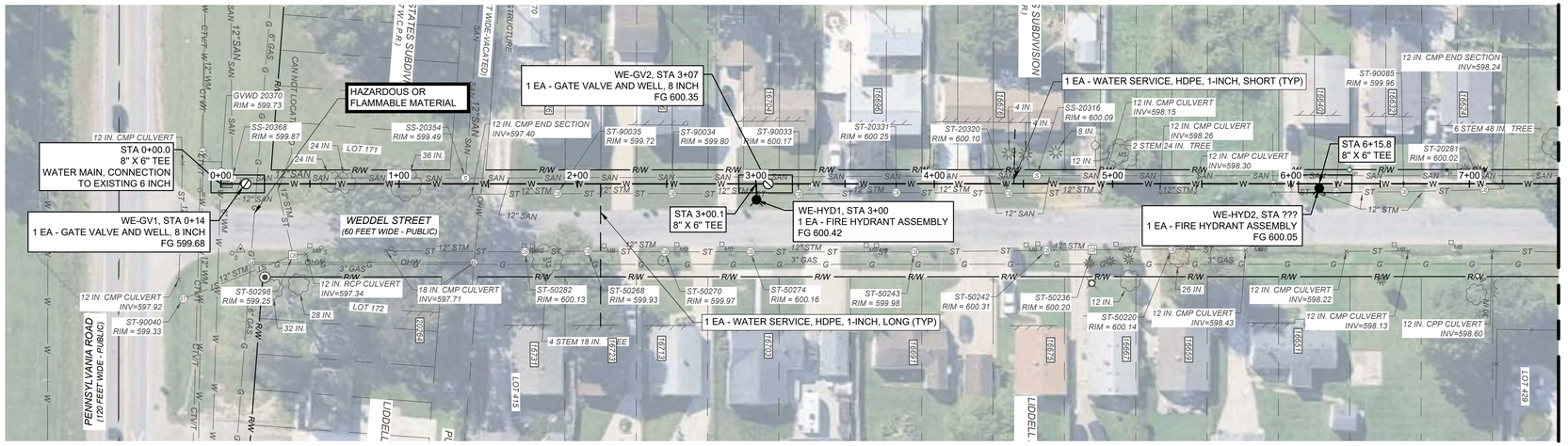
ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

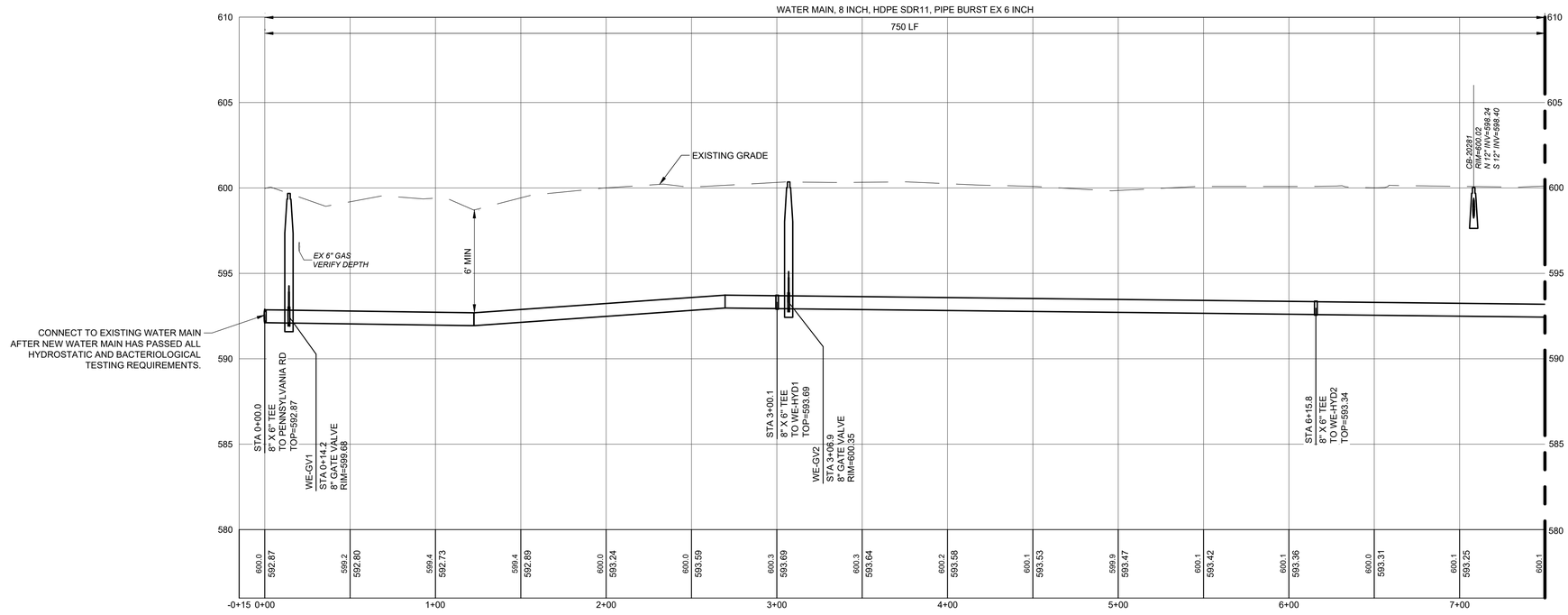
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TAY3164-23T

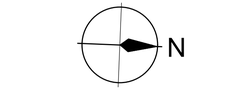
SHEET
82

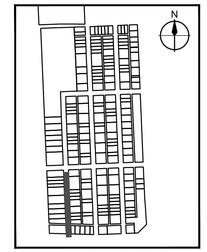
2025 WATER MAIN REHABILITATION DESIGN

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KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

1	EA	CONNECTION TO EX 6 INCH WM W/ 8" X 6" TEE
750	LF	WATER MAIN, 8 INCH, HDPE SDR11, PIPE BURST EX 6 INCH
2	EA	GATE VALVE AND WELL, 8 INCH
2	EA	FIRE HYDRANT ASSEMBLY
8	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
9	EA	WATER SERVICE, HDPE, 1-INCH, LONG
17	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
7+08	Water 593.13	Storm 597.50	4.37'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - WEDDEL STA 0+00 TO 7+50

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

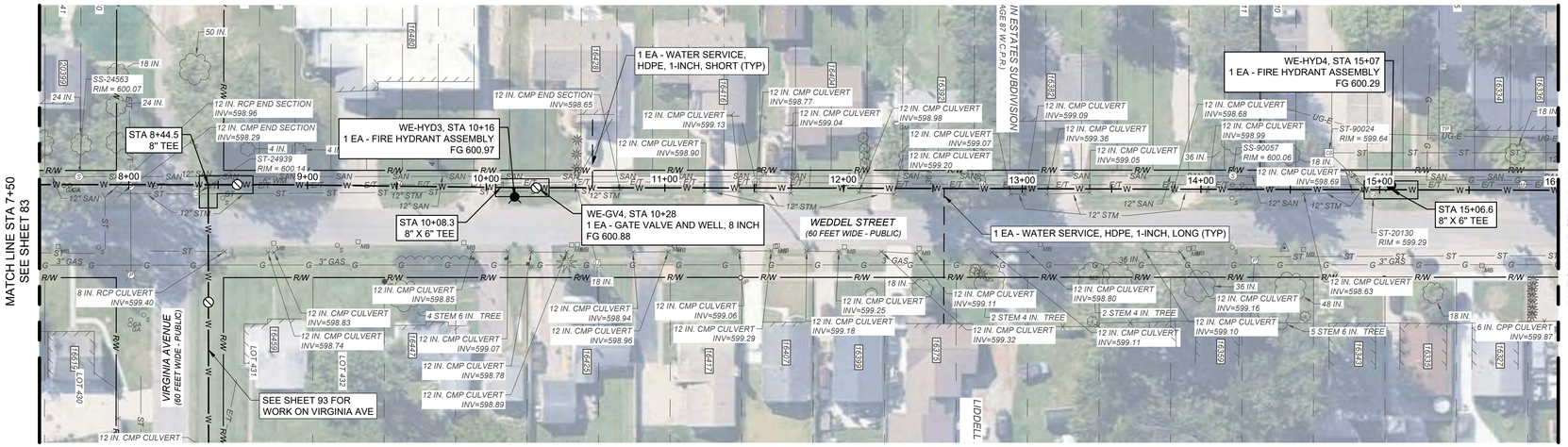
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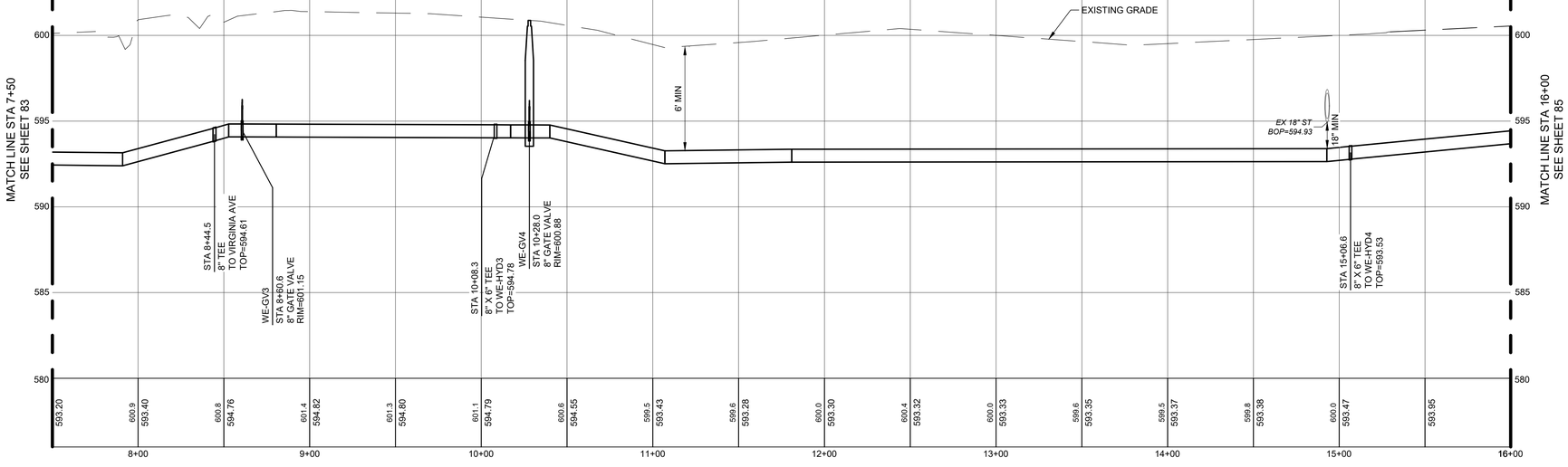
2025 WATER MAIN REHABILITATION DESIGN

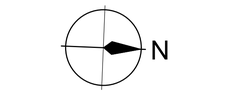
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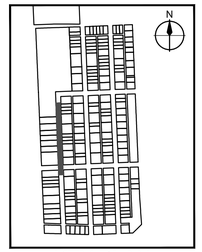
811 Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MORRIS-ACKLAND
CAD: K:\WADE TRIM\TAY3164-23T\CAD\PLANS\WEDDEL DWG PLOTTED 11/6/2026 10:39 AM BY FLANAGAN, MARTIN









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

850	LF	WATER MAIN, 8 INCH, HDPE SDR11, PIPE BURST EX 6 INCH
2	EA	GATE VALVE AND WELL, 8 INCH
2	EA	FIRE HYDRANT ASSEMBLY
7	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
12	EA	WATER SERVICE, HDPE, 1-INCH, LONG
19	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
14+93	Water 593.43	Storm 594.93*	1.5'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE -
WEDDEL STA 7+50 TO 16+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

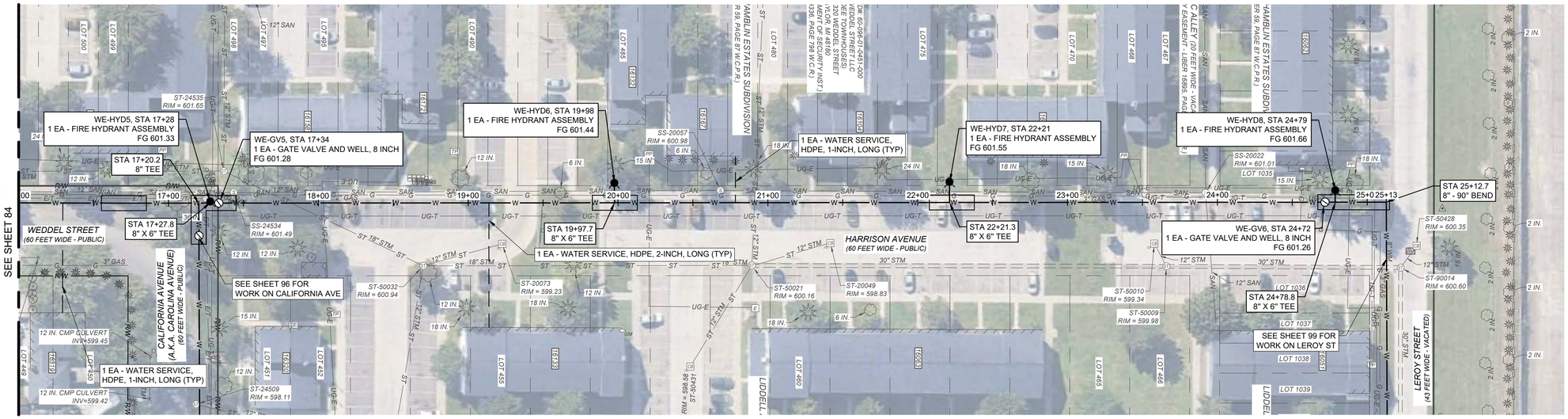
SHEET 84

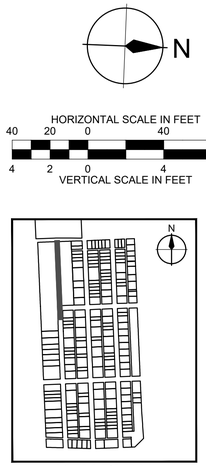
2025 WATER MAIN REHABILITATION DESIGN

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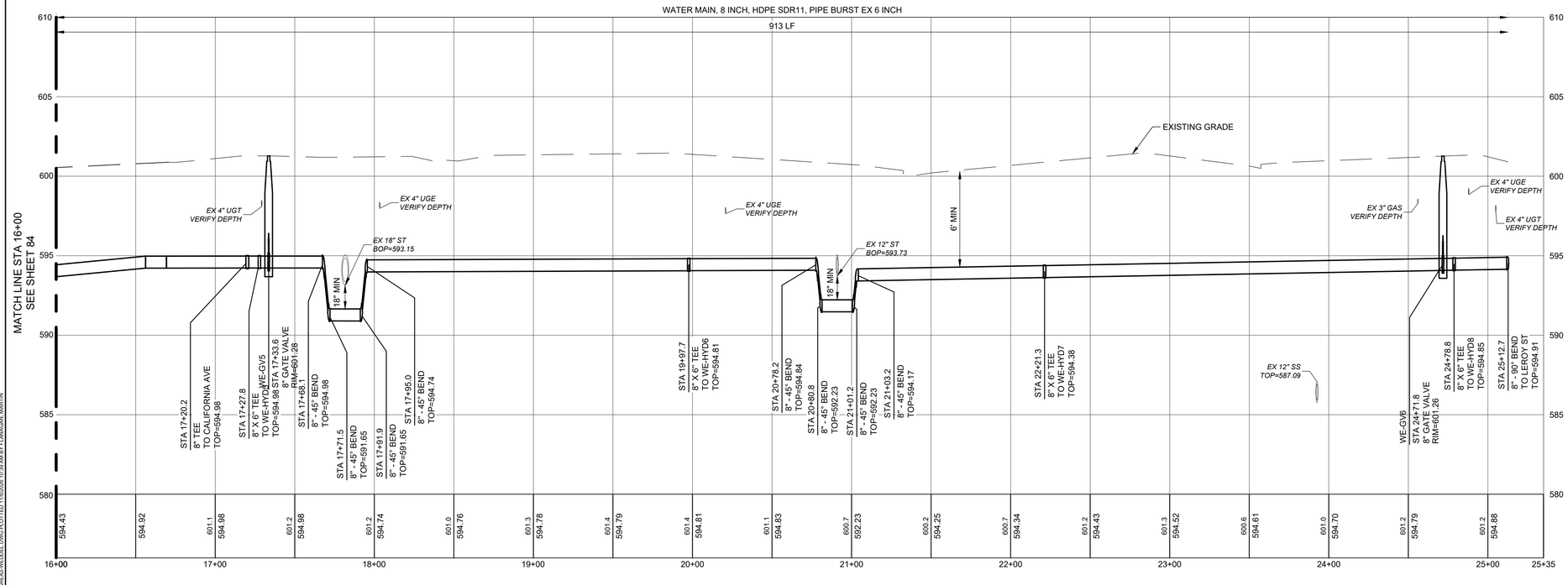
PROJECT MANAGER: KELLY MORRIS-ACKLAND
CAD: I:\WADE\ANN ARBOR\2025 CONTRACTS\EAS-WEDDEL.DWG PLOTTED: 11/6/2026 10:39 AM BY FLANAGAN, MARTIN





HORIZONTAL SCALE IN FEET
40 20 0 40 80

VERTICAL SCALE IN FEET
4 2 0 4 8



SUMMARY OF QUANTITIES THIS SHEET

913	LF	WATER MAIN, 8 INCH, HDPE SDR11, PIPE BURST EX 6 INCH
2	EA	GATE VALVE AND WELL, 8 INCH
4	EA	FIRE HYDRANT ASSEMBLY
1	EA	WATER SERVICE, HDPE, 1-INCH, LONG
6	EA	WATER SERVICE, HDPE, 2-INCH, SHORT
4	EA	WATER SERVICE, HDPE, 2-INCH, LONG
1	EA	CURB STOP AND BOX, 1 INCH
10	EA	CURB STOP AND BOX, 2 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
17+82	Water 591.65	Storm 593.15*	1.5'
20+91	Water 592.23	Storm 593.73*	1.5'
23+93	Sanitary 587.09*	Water 593.93	6.84'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY

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

PROJECT MANAGER: KELLY MORRIS-ACKLAND
CAD: I:\WADE TRIM\JOBS\3164-CITY OF TAYLOR\AREAS-WEDDEL DWG PLOTTED 11/6/2026 10:39 AM BY FLANAGAN, MARTIN

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - WEDDEL STA 16+00 TO 25+13

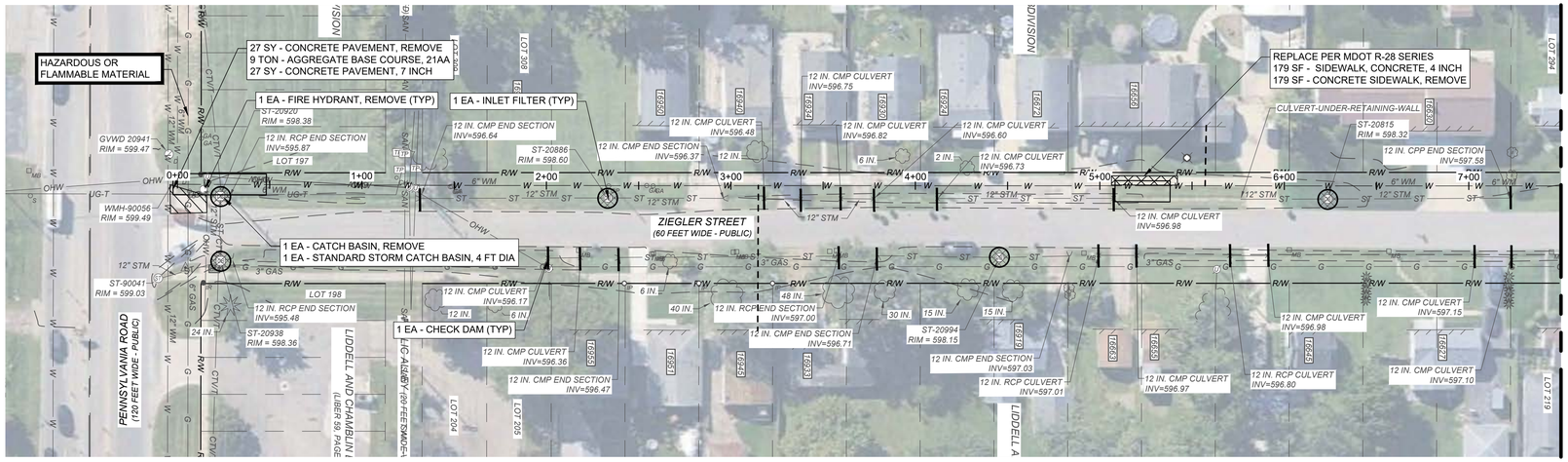
ISSUED FOR: BID
DATE: 11/10/26
BY: KMA

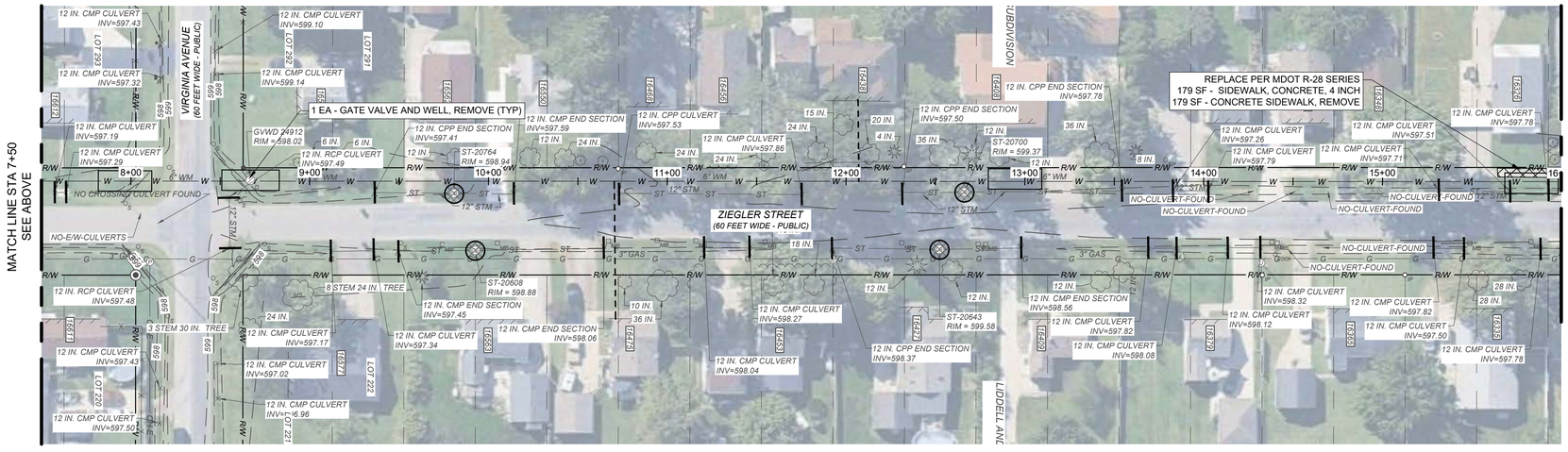
JOB NO. TAY3164-23T

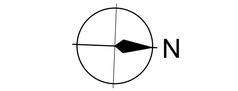
SHEET 85

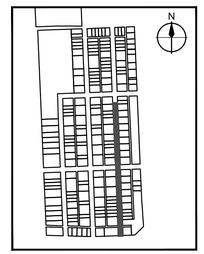
2025 WATER MAIN REHABILITATION DESIGN

© Wade Trim Group, Inc.









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

8	EA	INLET FILTER
49	EA	CHECK DAM
1	EA	GATE VALVE AND WELL, REMOVE
1	EA	FIRE HYDRANT, REMOVE
1	EA	CATCH BASIN, REMOVE
3208	SF	CONCRETE SIDEWALK, REMOVE
3208	SF	SIDEWALK CONCRETE, 4 INCH
27	SY	CONCRETE PAVEMENT, REMOVE
27	SY	CONCRETE PAVEMENT W/ INTEGRAL CURB, 7 INCH
1	EA	STANDARD STORM CATCH BASIN, 4 FT DIA
9	TON	AGGREGATE BASE COURSE, 21AA

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
23251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN -
ZIEGLER STA 0+00 TO 16+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

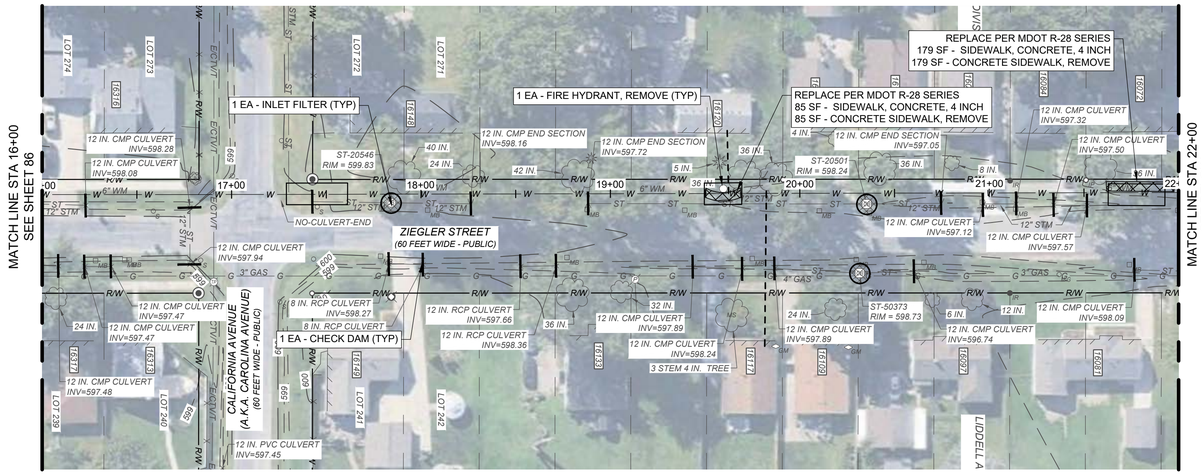
SHEET
86

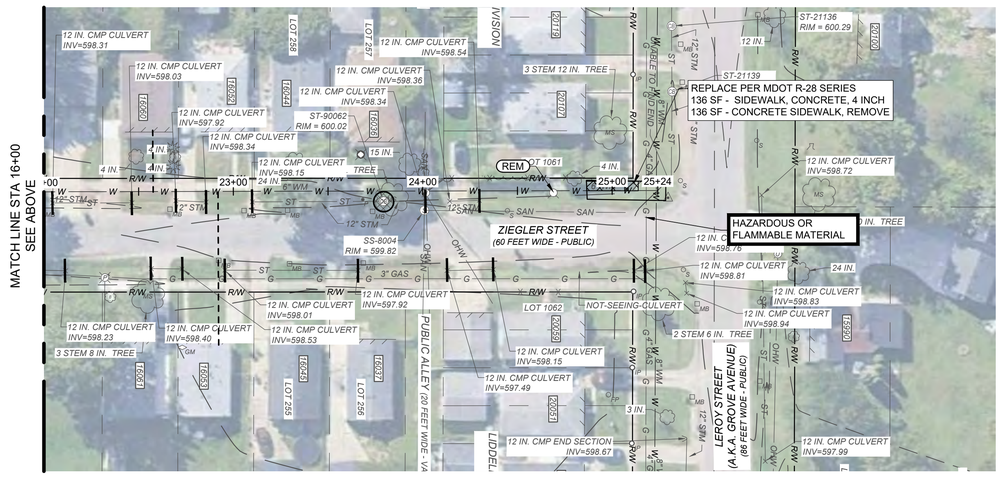
2025 WATER MAIN REHABILITATION DESIGN

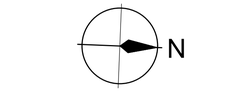
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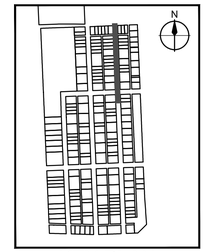
811 Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: J:\WORK\Active\TAY\3164-23\Design\CAD\EA\ZIEGLER.DWG PLOTTED 11/6/2026 10:39 AM BY FLANAGAN, MARTIN









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

4	EA	INLET FILTER
39	EA	CHECK DAM
2	EA	FIRE HYDRANT, REMOVE
2275	SF	CONCRETE SIDEWALK, REMOVE
2275	SF	SIDEWALK CONCRETE, 4 INCH

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN -
ZIEGLER STA16+00 TO 25+24

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

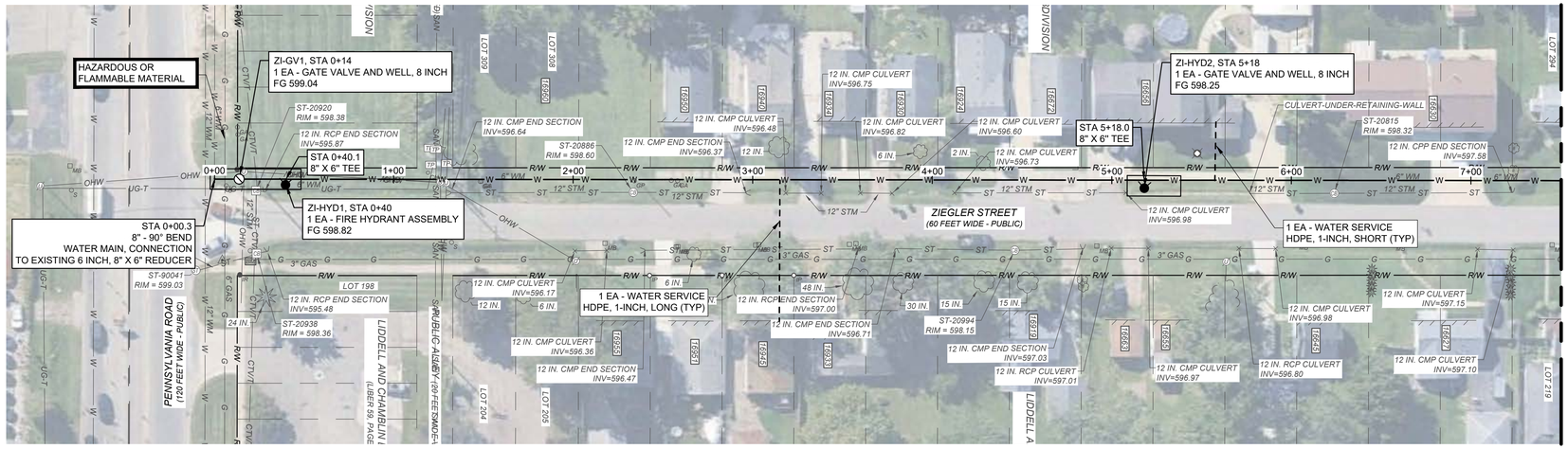
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87

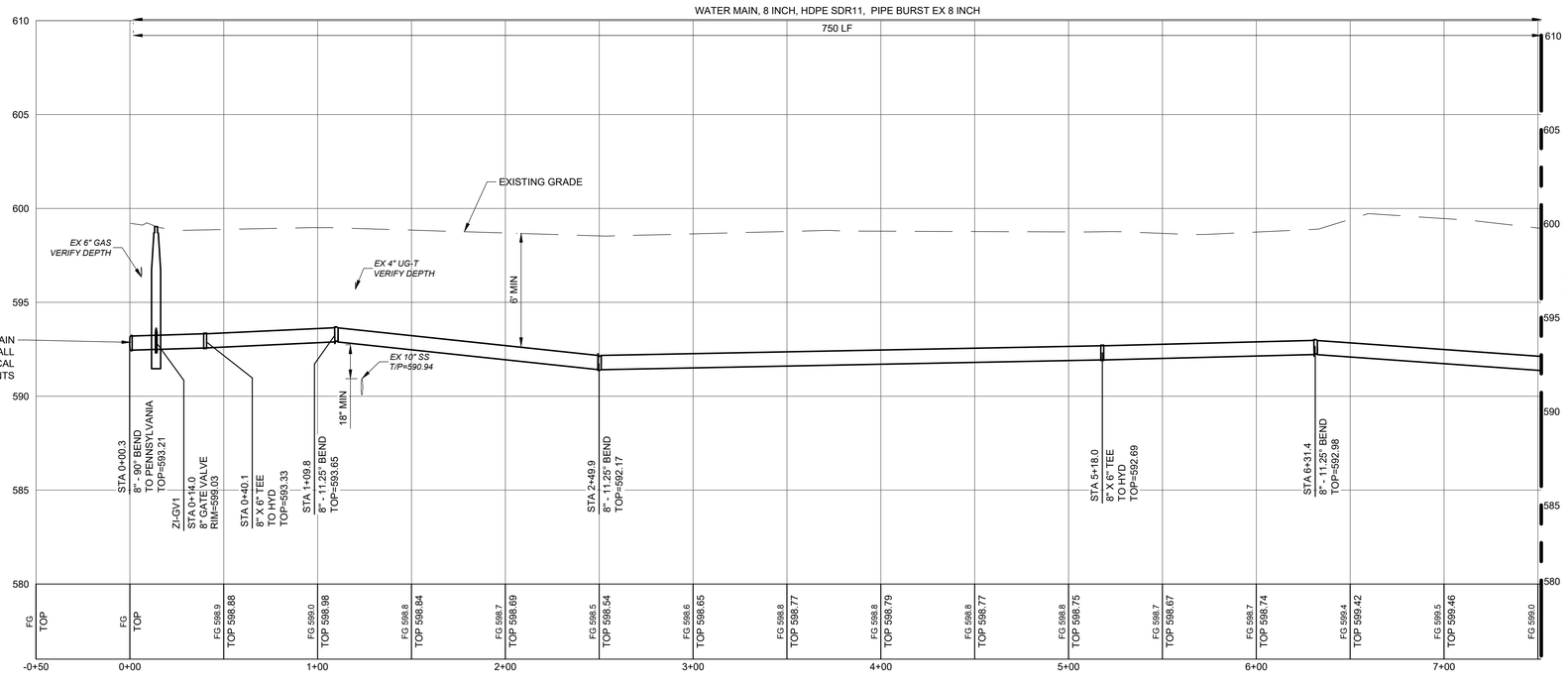
2025 WATER MAIN REHABILITATION DESIGN

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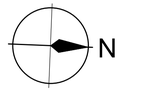
811 Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCROBB-ACKLAND
CREW: KOWALSKI, ADAM/RICHARD, CHARLES/EJLZIEGLER.DWG PLOTTED 11/6/2026 10:39 AM BY FLANAGAN, MARTIN

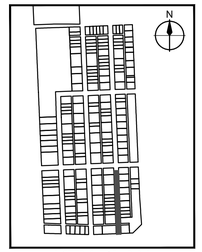




	-0+50	0+00	1+00	2+00	3+00	4+00	5+00	6+00	7+00
FG		598.9	599.0	598.7	598.5	598.6	598.8	598.7	599.4	599.5	599.0
TOP		598.88	598.98	598.84	598.69	598.54	598.65	598.77	598.79	598.77	598.75	598.67	598.74	599.42	599.46	



HORIZONTAL SCALE IN FEET
40 20 0 40 80
VERTICAL SCALE IN FEET
4 2 0 4 8



KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

1	EA	CONNECTION TO EXIST. 6 INCH WM W/ 90° BEND AND 8" X 6" REDUCER
750	LF	WATER MAIN, 8-INCH, HDPE SDR11, PIPE BURST EX 6 INCH
1	EA	GATE VALVE AND WELL, 8 INCH
1	EA	FIRE HYDRANT ASSEMBLY
9	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
9	EA	WATER SERVICE, HDPE, 1-INCH, LONG
18	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
1+23	Sanitary 590.94	Water 592.54	1.6'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE -
ZIEGLER STA 0+00 TO 7+50

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

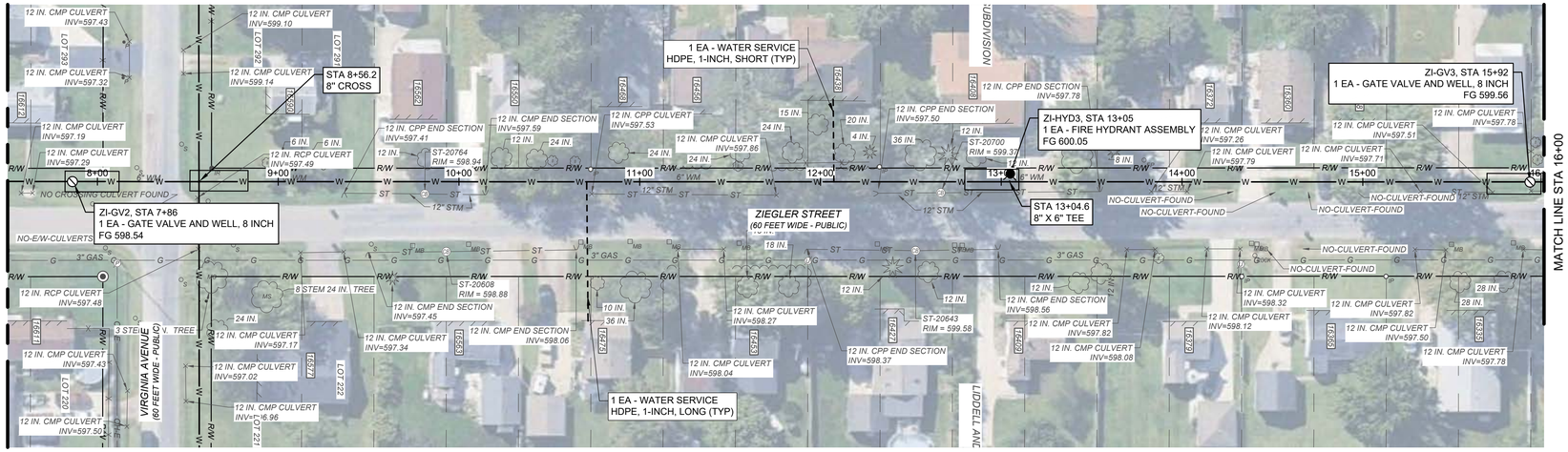
SHEET
88

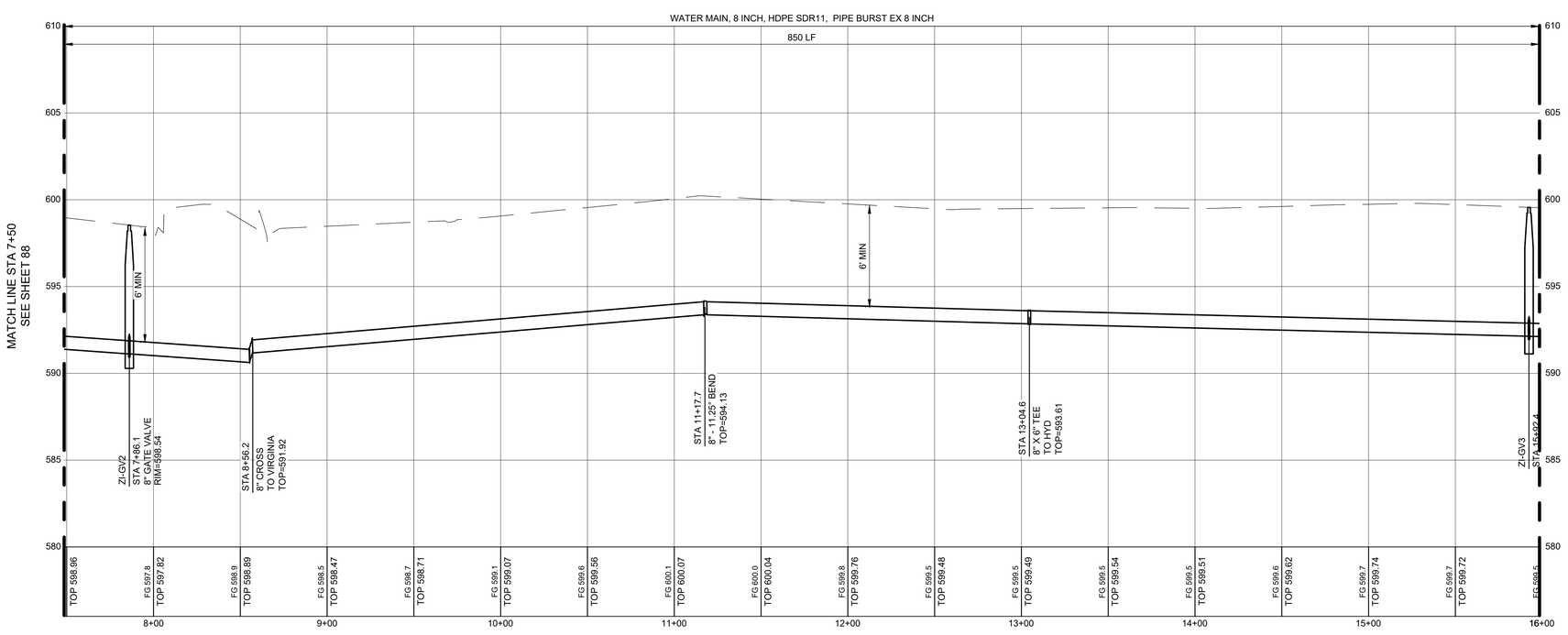
2025 WATER MAIN REHABILITATION DESIGN

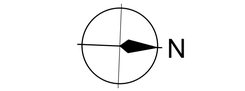
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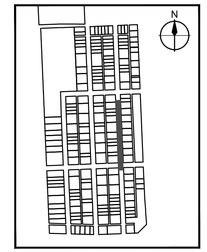
811 Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCROBB-ACKLAND
CHECKED: KYLE MARTIN
PW: J:\WADE TRIM\TAYLOR\2025 WATER MAIN REHAB\CAD\PLANS\ZIEGLER DWG PLOTTED: 11/6/2026 11:40 AM BY FLANAGAN, MARTIN









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

850	LF	WATER MAIN, 8-INCH, HDPE SDR11, PIPE BURST EX 6 INCH
1	EA	GATE VALVE AND WELL, 8 INCH
1	EA	FIRE HYDRANT ASSEMBLY
10	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
10	EA	WATER SERVICE, HDPE, 1-INCH, LONG
20	EA	CURB STOP AND BOX, 1 INCH

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE -
ZIEGLER STA 7+50 TO 16+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

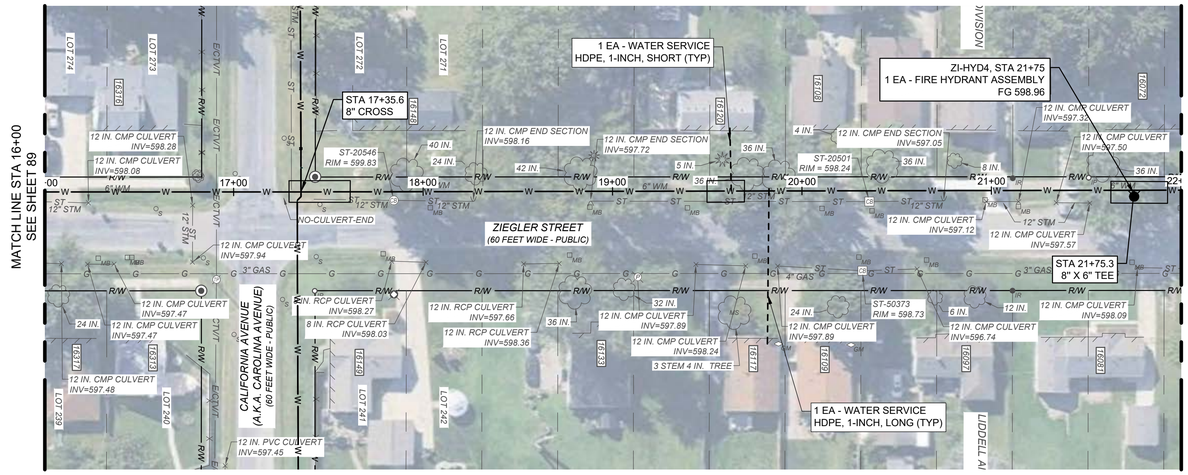
SHEET 89

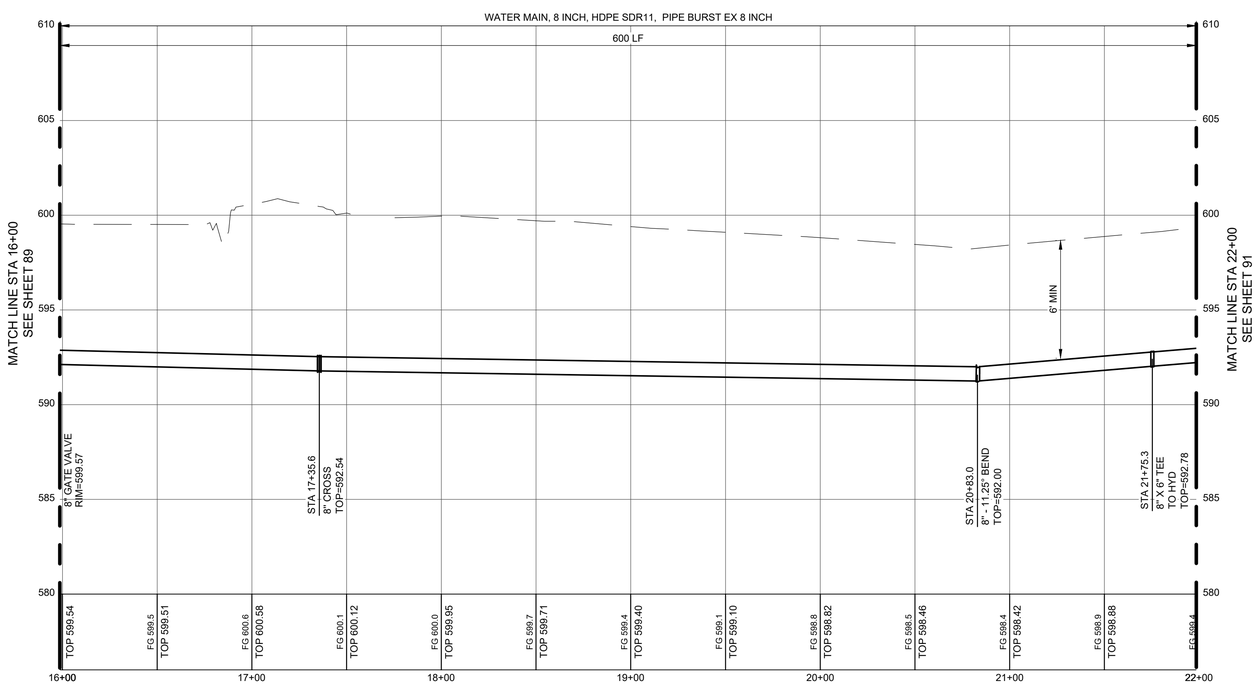
2025 WATER MAIN REHABILITATION DESIGN

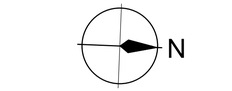
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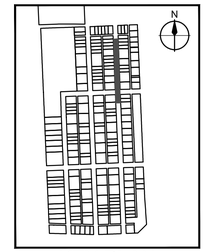
Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: I:\WADE\ANN ARBOR\2025 CHANNELS\EAS ZIEGLER DWG PLOTTED 11/6/2026 10:40 AM BY FLANAGAN, MARTIN









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

600	LF	WATER MAIN, 8-INCH, HDPE SDR11, PIPE BURST EX 6 INCH
1	EA	GATE VALVE AND WELL, 8 INCH
1	EA	FIRE HYDRANT ASSEMBLY
9	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
8	EA	WATER SERVICE, HDPE, 1-INCH, LONG
17	EA	CURB STOP AND BOX, 1 INCH

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE -
ZIEGLER STA 16+00 TO 22+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

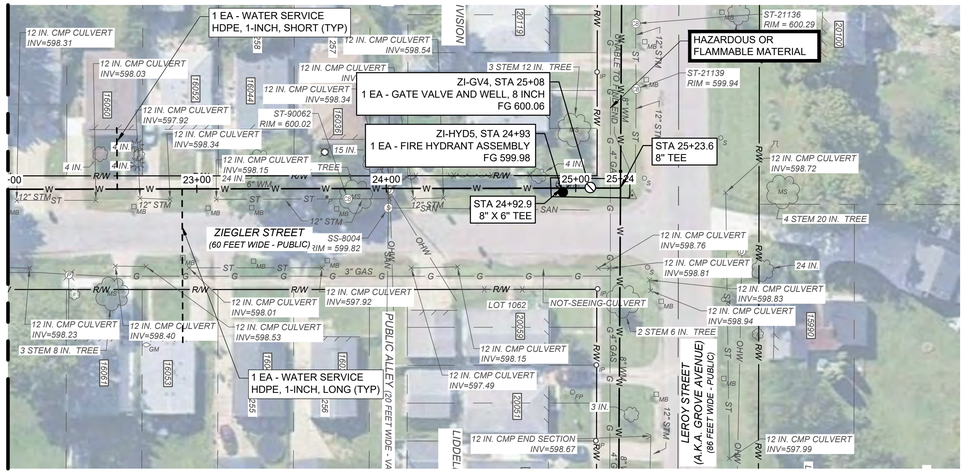
SHEET
90

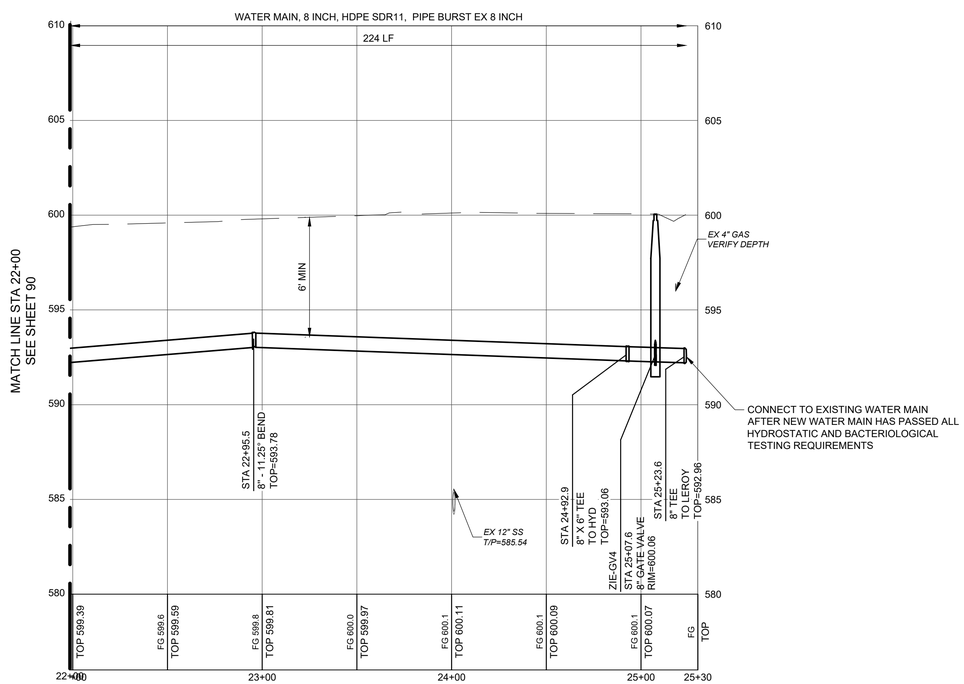
2025 WATER MAIN REHABILITATION DESIGN

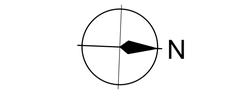
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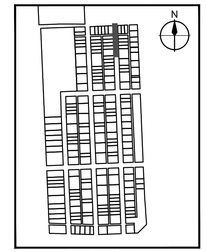
811 Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCROBB-MCFLAND
CAD: K:\WADE\ANN ARBOR\2025 CHARLES\CAD\ZIEGLER DWG PLOTTED 11/6/2026 10:40 AM BY FLANAGAN, MARTIN









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

224	LF	WATER MAIN, 8-INCH, HDPE SDR11, PIPE BURST EX 6 INCH
1	EA	GATE VALVE AND WELL, 8 INCH
1	EA	FIRE HYDRANT ASSEMBLY
4	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
4	EA	WATER SERVICE, HDPE, 1-INCH, LONG
8	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
24+01	Sanitary 585.54	Water 592.66	7.12'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - ZIEGLER STA 22+00 TO 25+24

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

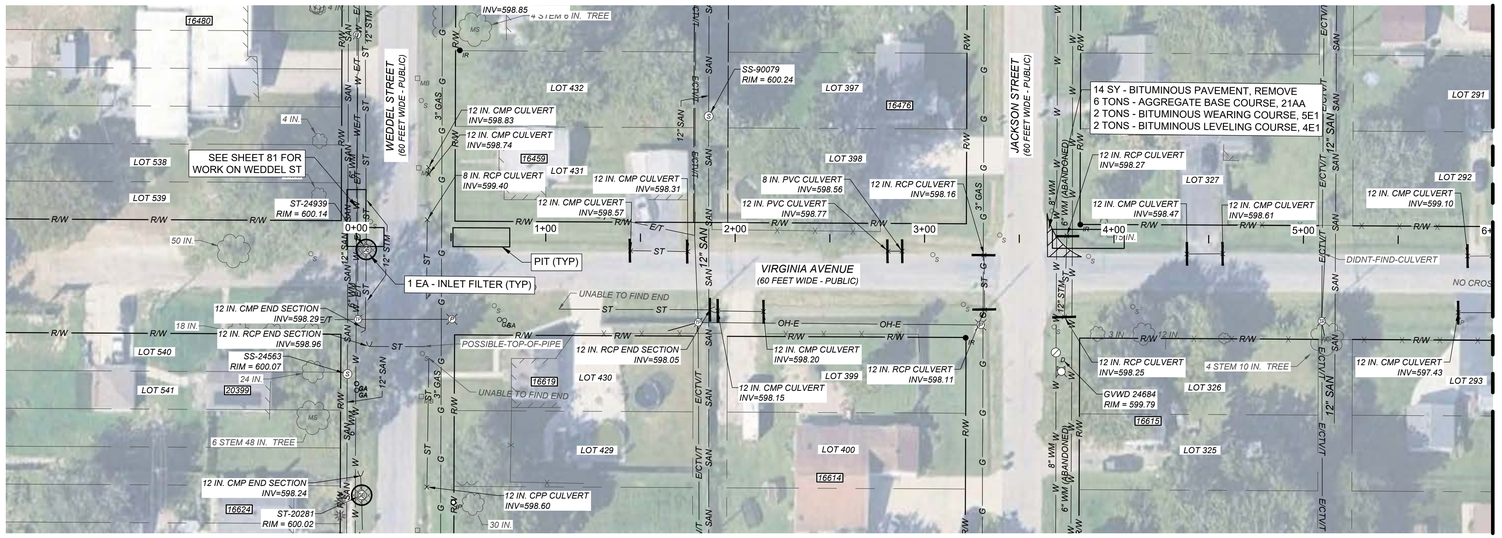
SHEET 91

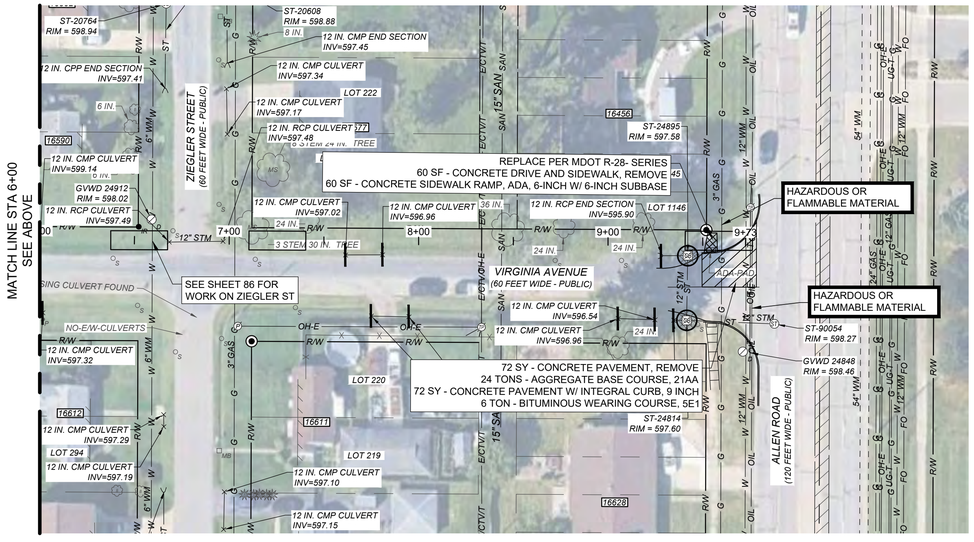
2025 WATER MAIN REHABILITATION DESIGN

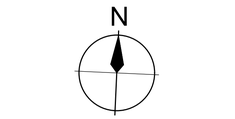
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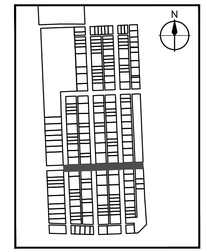
811 Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCNABB-HOLAND
DATA MANAGER: MICHAEL BOUSKILL | CAD/GIS/EA ZIEGLER.DWG PLOTTED 11/6/2026 10:40 AM BY FLANAGAN, MARTIN









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

4	EA	INLET FILTER
24	EA	CHECK DAM
72	SY	CONCRETE PAVEMENT, REMOVE
14	SY	BITUMINOUSE PAVEMENT, REMOVE
60	SF	CONCRETE DRIVE AND SIDEWALK, REMOVE
60	SF	CONCRETE SIDEWALK RAMP, ADA, 6-INCH W/ 6-INCH SUBBASE
72	SY	CONCRETE PAVEMENT W/ INTEGRAL CURB, 9 INCH
29	TON	AGGREGATE BASE COURSE, 21AA
8	TON	BITUMINOUS WEARING COURSE, 5E1
2	TON	BITUMINOUS LEVELING COURSE, 4E1

REV#	DATE	DESCRIPTION	BY

WADE TRIM
Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN - VIRGINIA

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

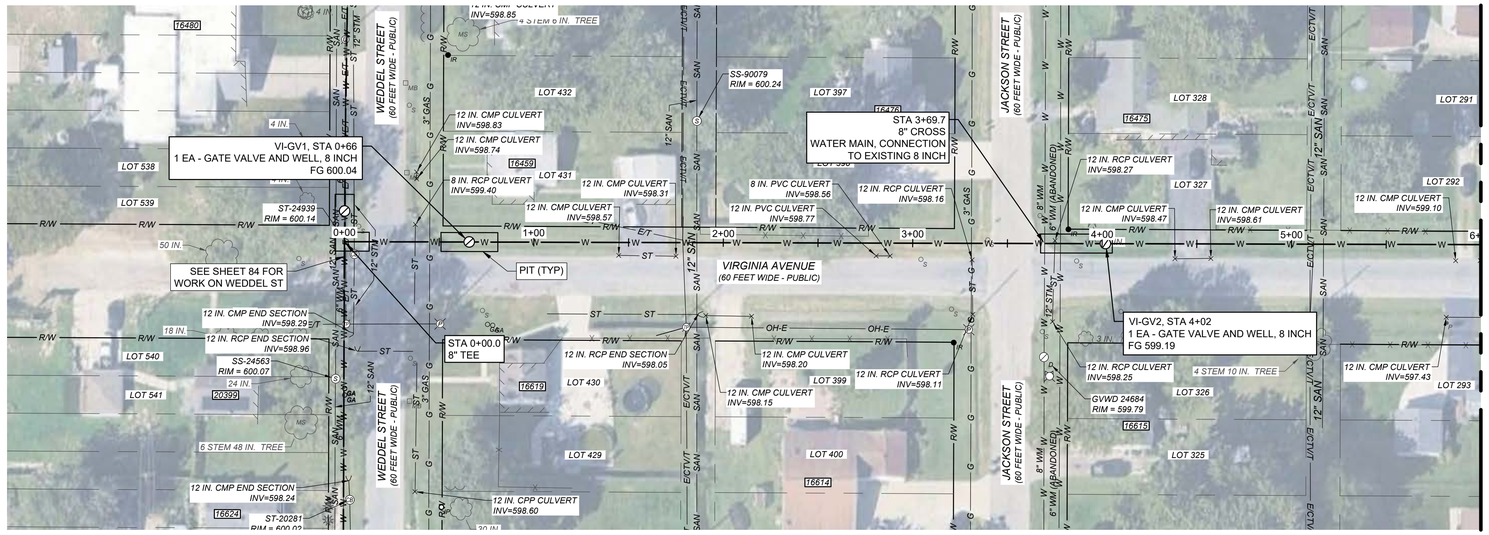
SHEET 92

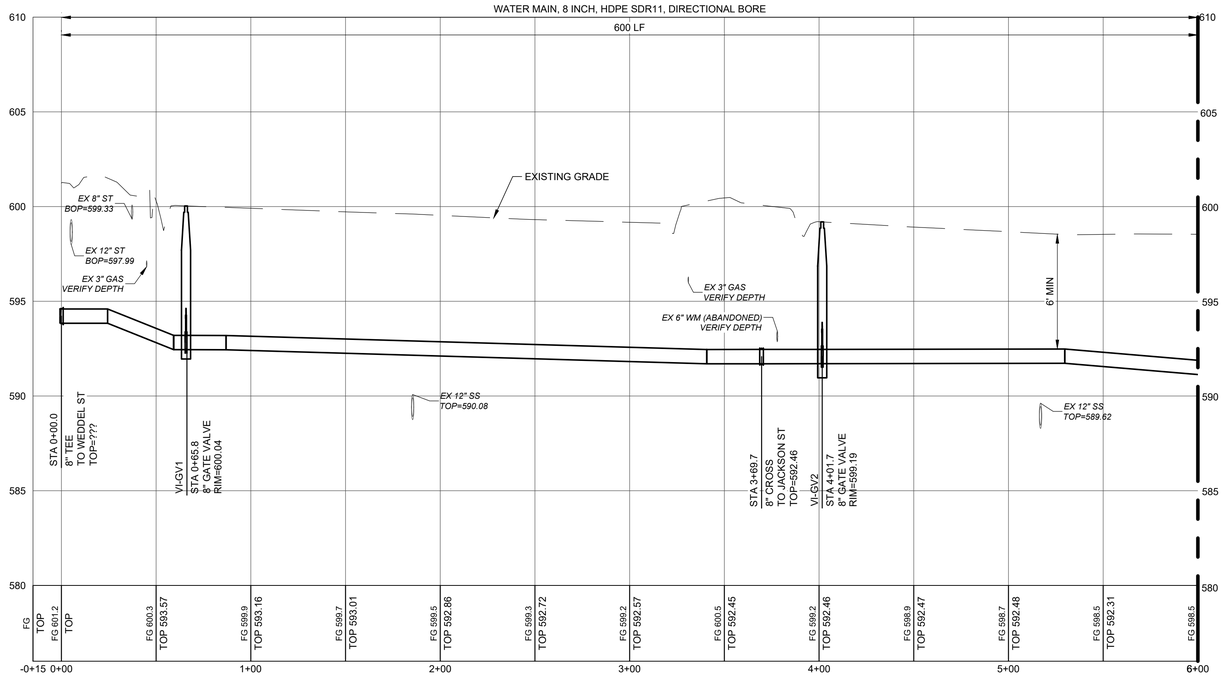
2025 WATER MAIN REHABILITATION DESIGN

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Know what's below. Call before you dig.

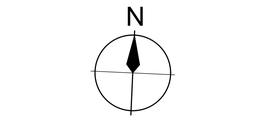
PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: J:\WADE TRIM\TAYLOR\TAY3164-23T - 2025 WATER MAIN REHAB\2-DESIGN\CAD\SHEETS\TAY3164-23T-VIRGINIA.DWG PLOTTED: 11/6/2026 10:41 AM BY FLANAGAN, MARTIN

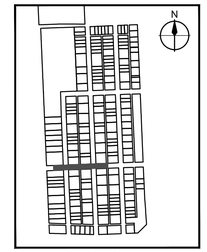




Crossing Table			
Station	TOP	BOP	Crossing Distance
0+05	Water 594.59	Storm 597.99	3.4'
0+37	Water 594.51	Storm 599.33*	4.82'
1+85	Sanitary 590.08	Water 592.62	2.54'
5+17	Sanitary 589.62*	Water 591.61	1.99'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY





KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

1	EA	CONNECTION TO EX 8 INCH WM W/ 8" CROSS
600	LF	WATER MAIN, 8 INCH, HDPE SDR11, DIRECTIONAL BORE
2	EA	GATE VALVE AND WELL, 8 INCH

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE -
VIRGINIA STA 0+00 TO 6+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

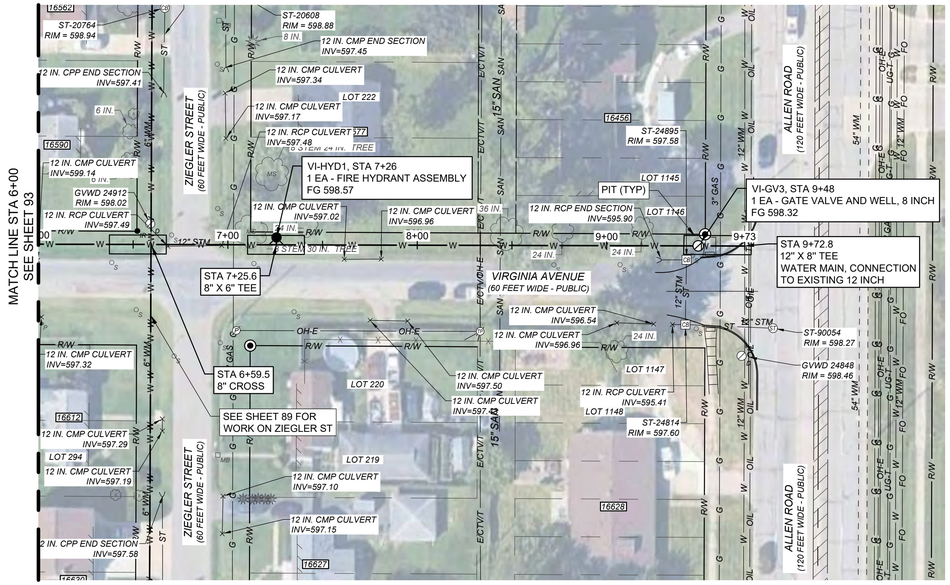
SHEET
93

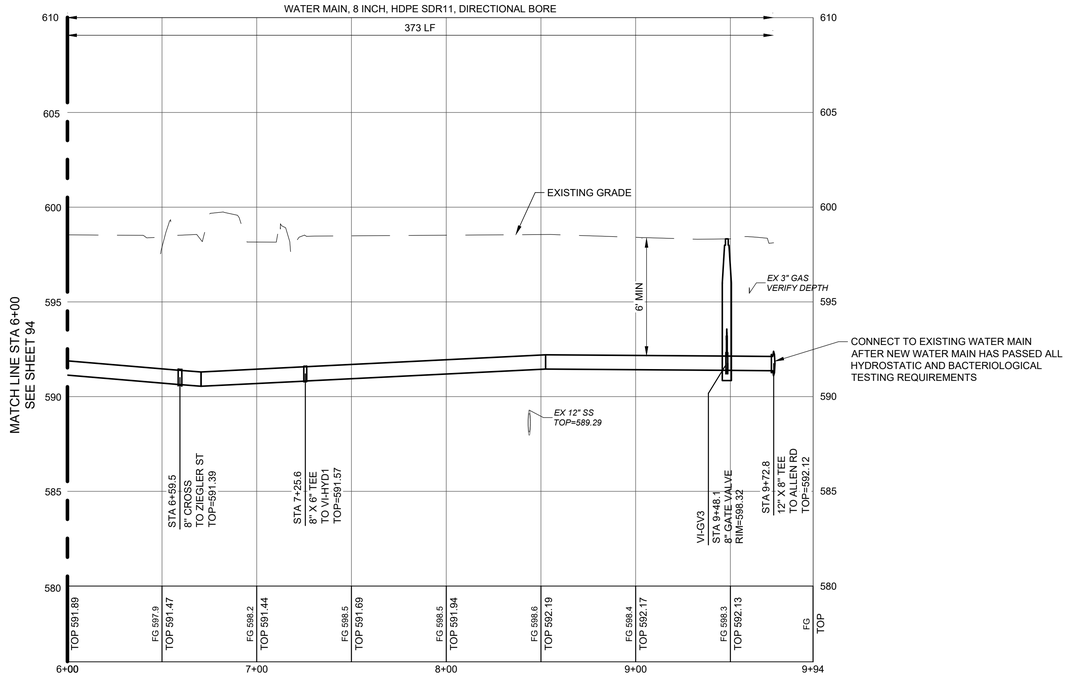
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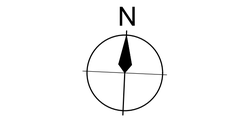
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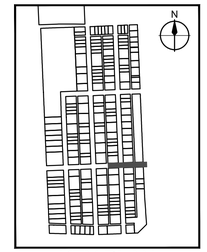
Know what's below.
Call before you dig.

PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: K:\WADE TRIM\PROJECTS\CONNECT\AREAS\VIRGINIA.DWG PLOTTED 11/6/2026 10:41 AM BY FLANAGAN, MARTIN









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

1	EA	CONNECTION TO EX 12 INCH WM W/ 12" X 8" TEE
373	LF	WATER MAIN, 8 INCH, HDPE SDR11, DIRECTIONAL BORE
1	EA	GATE VALVE AND WELL, 8 INCH
1	EA	FIRE HYDRANT ASSEMBLY

Crossing Table			
Station	TOP	BOP	Crossing Distance
8+44	Sanitary 589.25*	Water 591.37	2.08'

*BASED ON BEST AVAILABLE INFORMATION.
CONTRACTOR TO FIELD VERIFY

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE -
VIRGINIA STA 6+00 TO 9+73

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

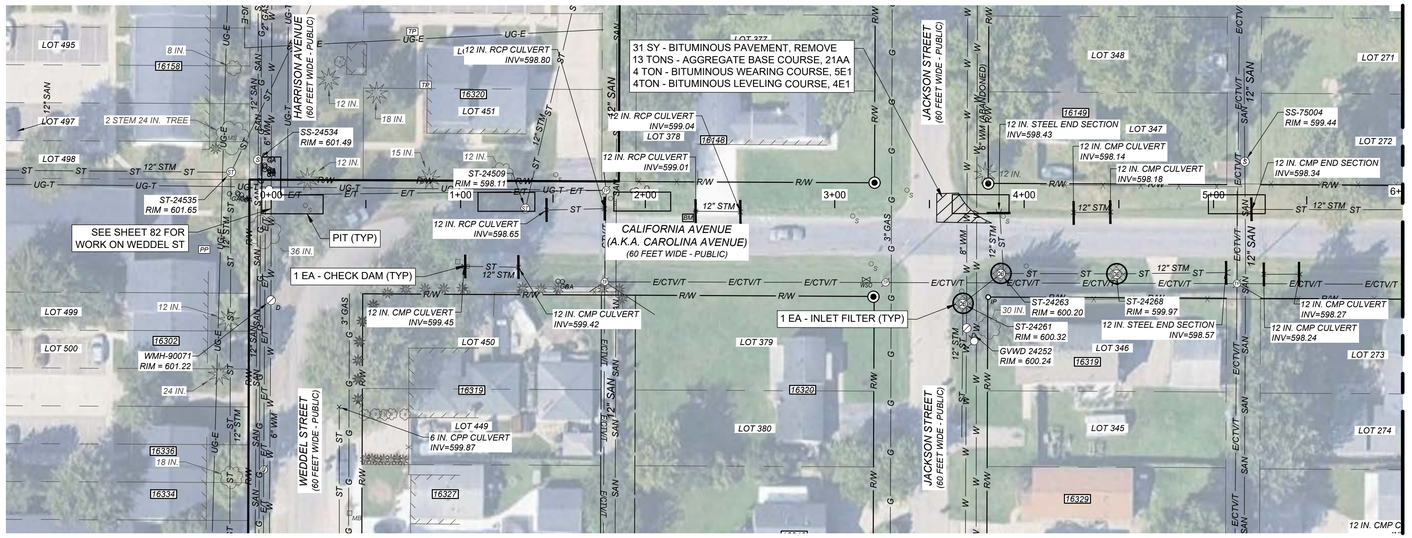
SHEET
94

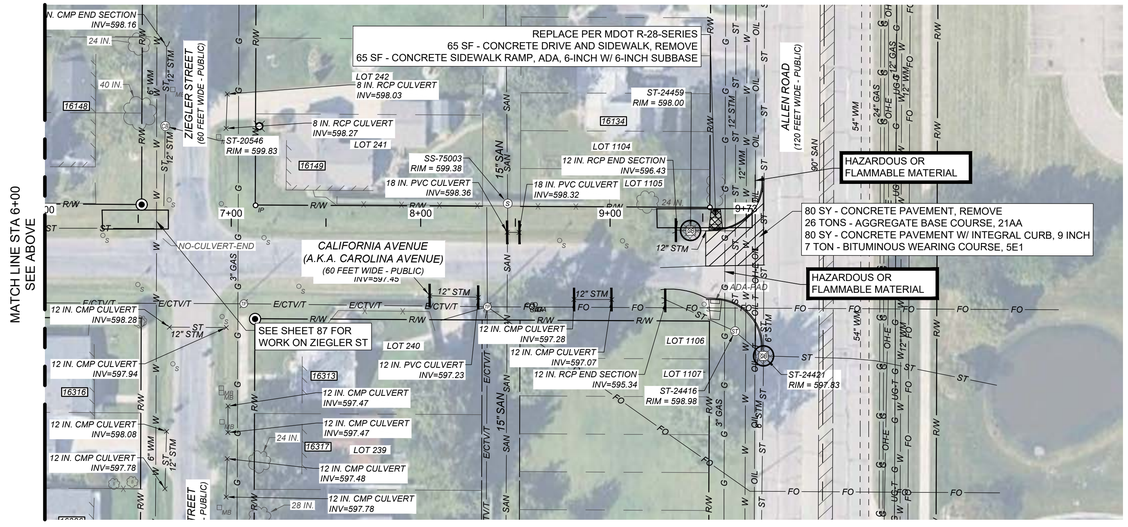
2025 WATER MAIN REHABILITATION DESIGN

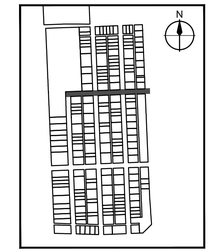
© Wade Trim Group, Inc.

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

PROJECT MANAGER: KELLY MCROBB-ACKLAND
CHECKED: KYLE MCCLAIN/KRISTEN CONNER/LEAS VIRGINIA.DWG PLOTTED 11/6/2026 10:41 AM BY FLANAGAN, MARTIN







KEY PLAN

HORIZONTAL SCALE IN FEET
40 20 0 40 80

SUMMARY OF QUANTITIES THIS SHEET

5	EA	INLET FILTER
21	EA	CHECK DAM
80	SY	CONCRETE PAVEMENT, REMOVE
31	SY	BITUMINOUS PAVEMENT, REMOVE
65	SF	CONCRETE DRIVE AND SIDEWALK, REMOVE
65	SF	CONCRETE SIDEWALK RAMP, ADA, 6-INCH W/ 6-INCH SUBBASE
80	SY	CONCRETE PAVEMENT W/ INTEGRAL CURB, 9 INCH
35	TON	AGGREGATE BASE COURSE, 21AA
11	TON	BITUMINOUS WEARING COURSE, 5E1
4	TON	BITUMINOUS LEVELING COURSE, 4E1

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN - CALIFORNIA

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

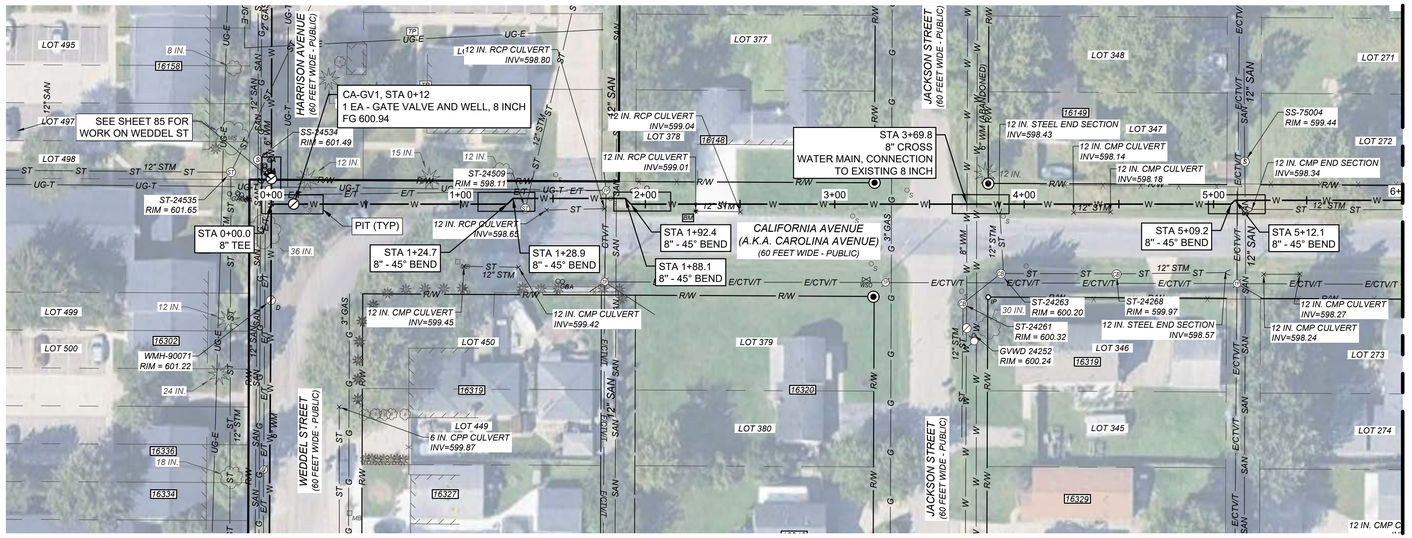
SHEET
95

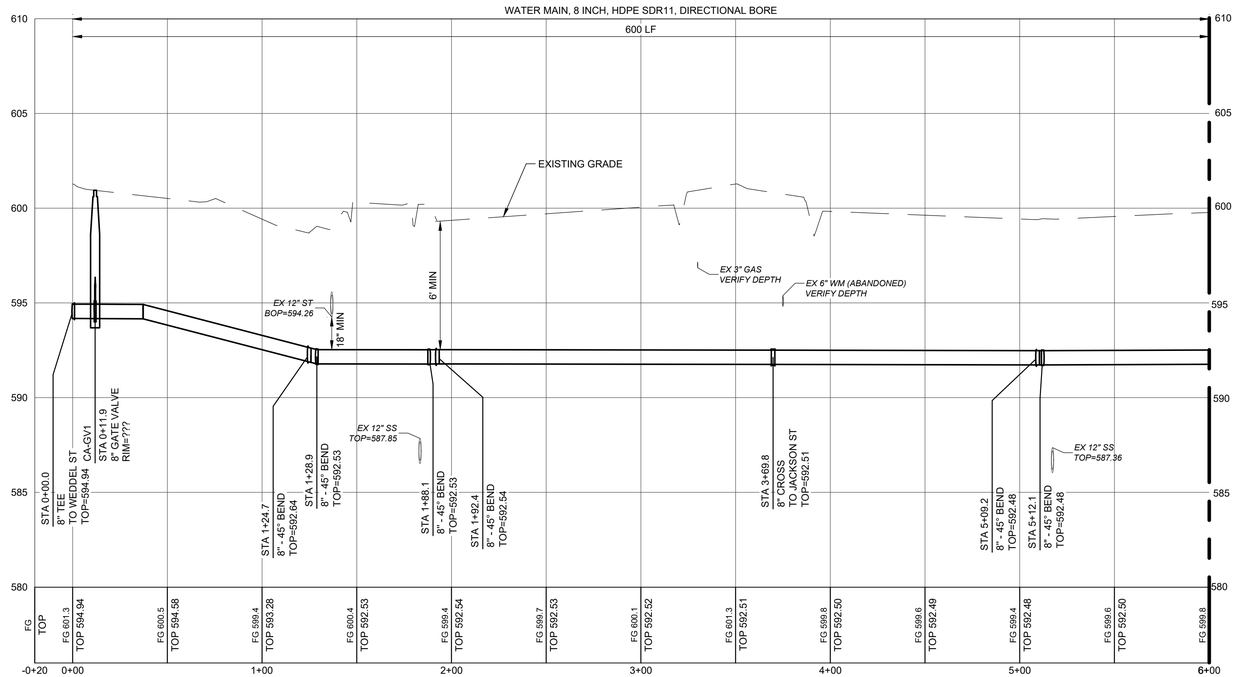
2025 WATER MAIN REHABILITATION DESIGN

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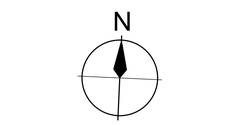
Know what's below. Call before you dig.

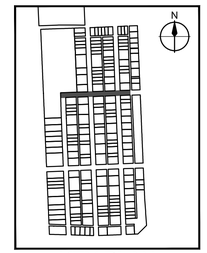
PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: J:\WORK\Active\TAY3164-23T CAROLINE\EA\CALIFORNIA.DWG PLOTTED 11/6/2026 10:41 AM BY FLANAGAN, MARTIN





MATCH LINE STA 6+00
SEE SHEET 97





KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

1	EA	CONNECTION TO EX 8 INCH WM W/ 8" CROSS
600	LF	WATER MAIN, 8 INCH, HDPE SDR11, DIRECTIONAL BORE
1	EA	GATE VALVE AND WELL, 8 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
1+38	Water 592.53	Storm 594.26*	1.73'
1+83	Sanitary 587.85*	Water 592.17	4.32'
5+17	Sanitary 587.36*	Water 592.23	4.87'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - CALIFORNIA STA 0+00 TO 6+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

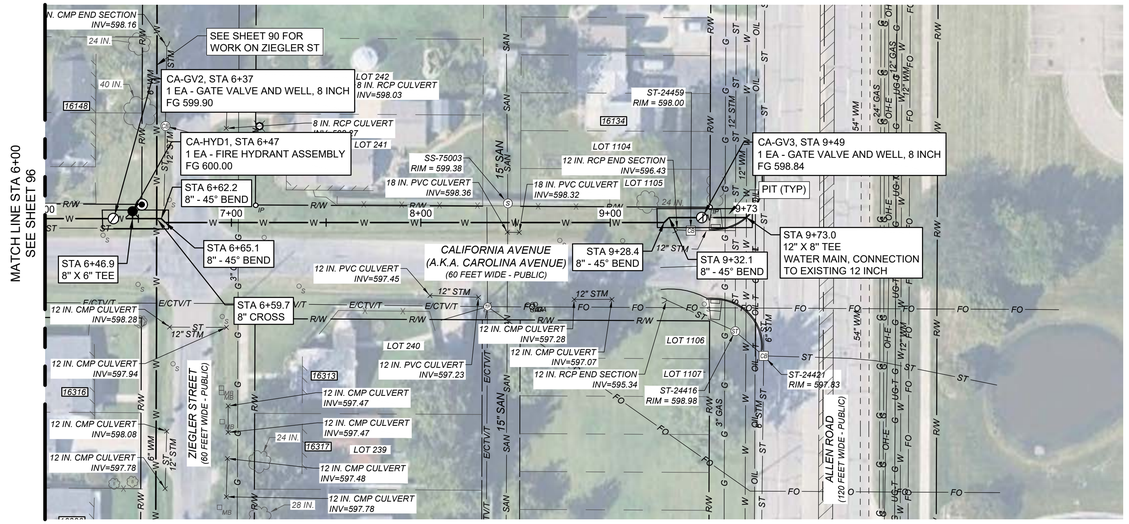
SHEET 96

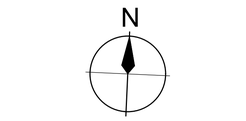
2025 WATER MAIN REHABILITATION DESIGN

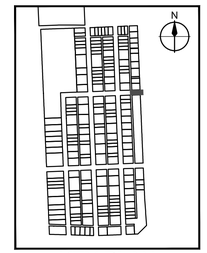
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Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MORRIS-MCFLAND
CAD: I:\WADE\ROAD\TAY3164-23\CAD\EAS\CALIFORNIA.DWG PLOTTED 11/6/2026 10:42 AM BY FLANGAN, MARTIN







KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

1	EA	CONNECTION TO EX 12 INCH WM W/ 12" X 8" TEE
367	LF	WATER MAIN, 8 INCH, HDPE SDR11, DIRECTIONAL BORE
2	EA	GATE VALVE AND WELL, 8 INCH
1	EA	FIRE HYDRANT ASSEMBLY

Crossing Table			
Station	TOP	BOP	Crossing Distance
8+45	Sanitary 587.27	Water 591.95	4.68'
9+67	Water 588.84	Storm 591.34*	1.5'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
23251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - CALIFORNIA STA 6+00 TO 9+71

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

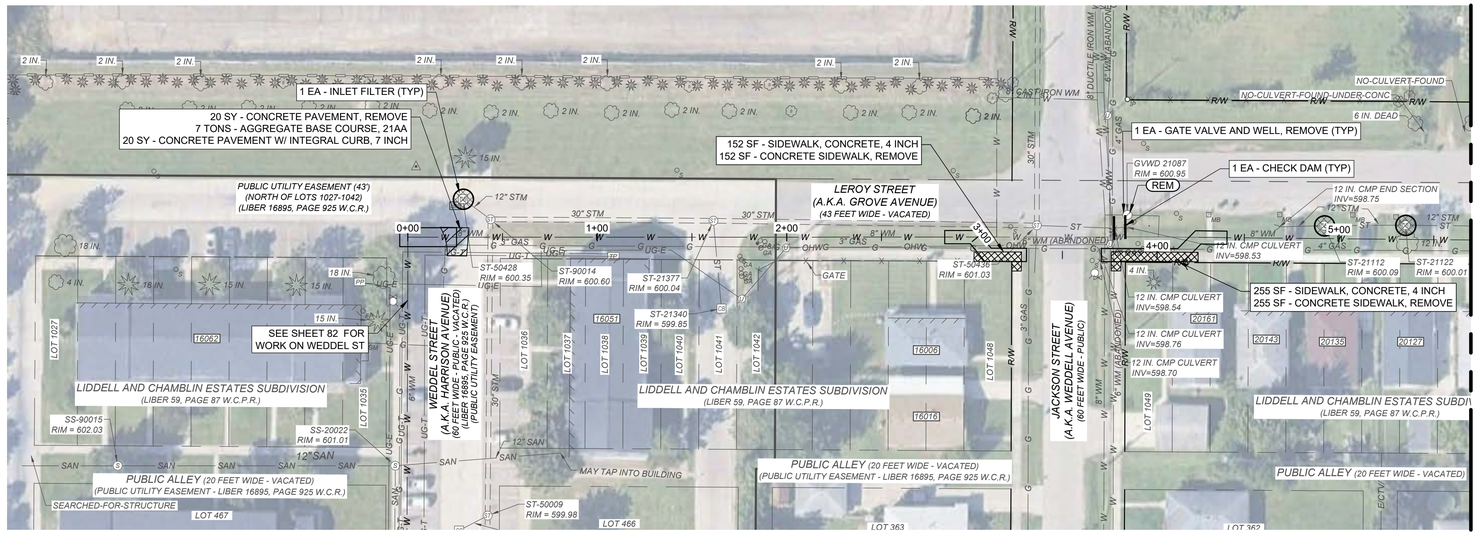
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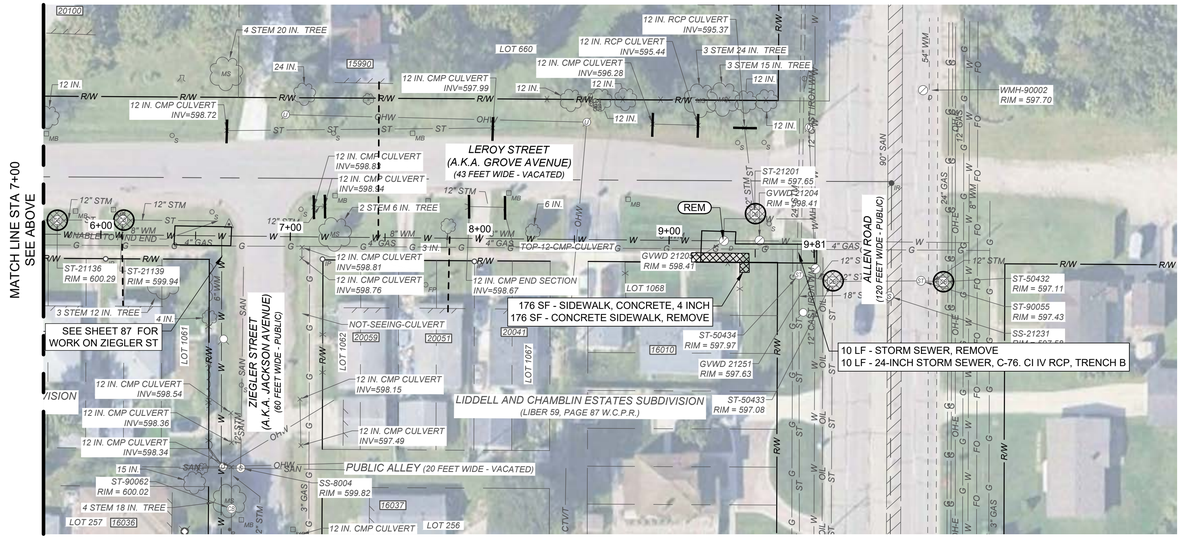
2025 WATER MAIN REHABILITATION DESIGN

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Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: K:\MAC\Active\190901.00\WaterEA-CALIFORNIA.DWG PLOTTED 11/6/2025 10:42 AM BY FLANAGAN, MARTIN

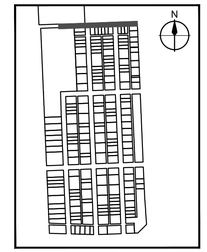




N

HORIZONTAL SCALE IN FEET

40 20 0 40 80



KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

8	EA	INLET FILTER
11	EA	CHECK DAM
2	EA	GATE VALVE AND WELL, REMOVE
20	SY	CONCRETE PAVEMENT, REMOVE
10	LF	STORM SEWER, REMOVE
1333	SF	CONCRETE SIDEWALK, REMOVE
1333	SF	SIDEWALK, CONCRETE, 4 INCH
7	SY	CONCRETE PAVEMENT W/ INTEGRAL CURB, 7 INCH
10	LF	24-INCH STORM SEWER, C-76. CI IV RCP, TRENCH B
7	TON	AGGREGATE BASE COURSE, 21AA

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN - LEROY

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

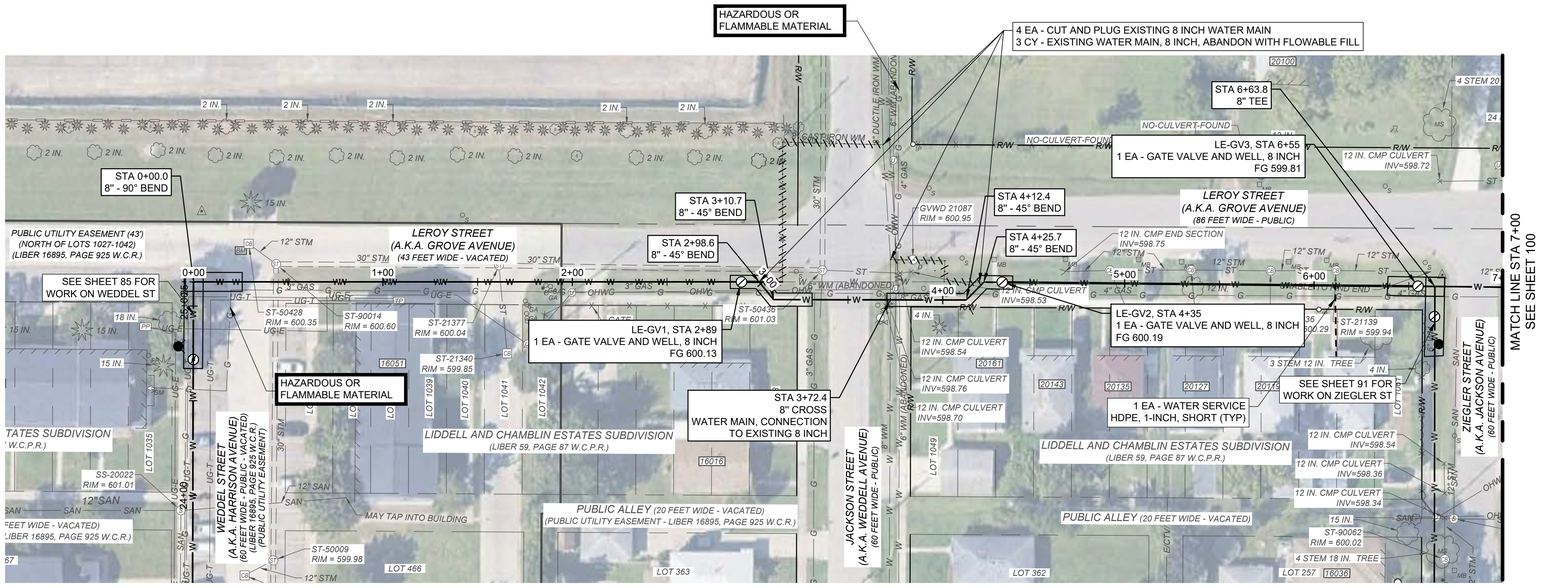
SHEET 98

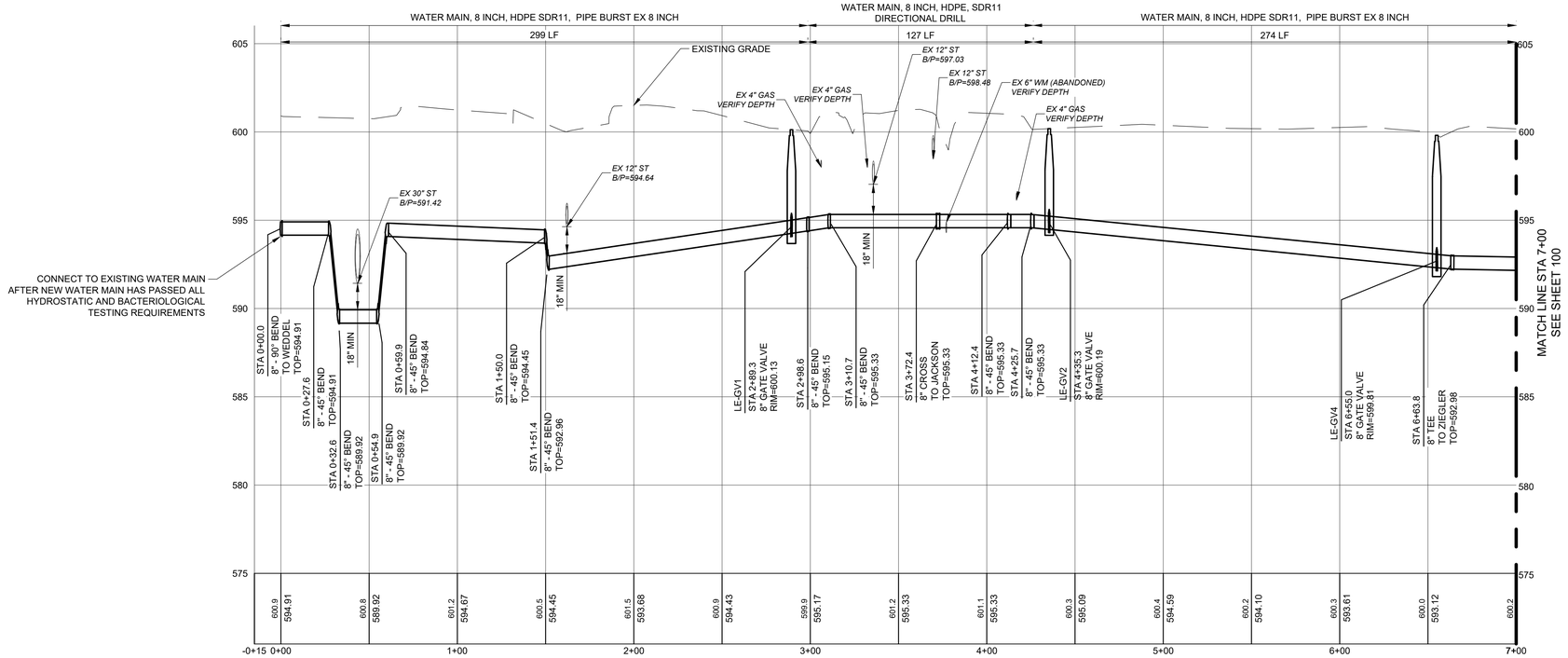
2025 WATER MAIN REHABILITATION DESIGN

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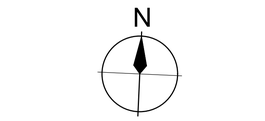
PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: J:\WADE TRIM\TAY3164-23T - 2025 WATER MAIN REHAB\CAD\SHEETS\EA3-LEROY.DWG PLOTTED: 11/6/2026 10:42 AM BY: FLANAGAN, MARTIN

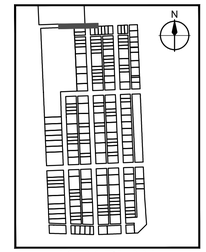




Crossing Table			
Station	TOP	BOP	Crossing Distance
0+43	Water 589.90	Storm 591.42	1.52'
1+62	Water 593.14	Storm 594.64	1.5'
3+36	Water 595.32	Storm 597.03	1.71'
3+70	Water 595.32	Storm 598.48	3.16'

*BASED ON BEST AVAILABLE INFORMATION.
CONTRACTOR TO FIELD VERIFY





KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

4	EA	CUT AND PLUG EXISTING 8 INCH WATER MAIN
3	CY	EXISTING WATER MAIN, 8 INCH, ABANDON WITH FLOWABLE FILL
1	EA	CONNECTION TO EX. 8 INCH WM W/ 8" CROSS
573	LF	WATER MAIN, 8-INCH, HDPE SDR11, PIPE BURST EX 8 INCH
127	LF	WATER MAIN, 8-INCH, HDPE SDR11, DIRECTIONAL BORE
2	EA	CONNECTION TO EX 8 INCH WM W/ 8"X8" TEE
2	EA	GATE VALVE AND WELL, 8 INCH
5	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
5	EA	CURB STOP AND BOX, 1 INCH

BY	DESCRIPTION	DATE	REV#

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - LEROY STA 0+00 TO 7+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

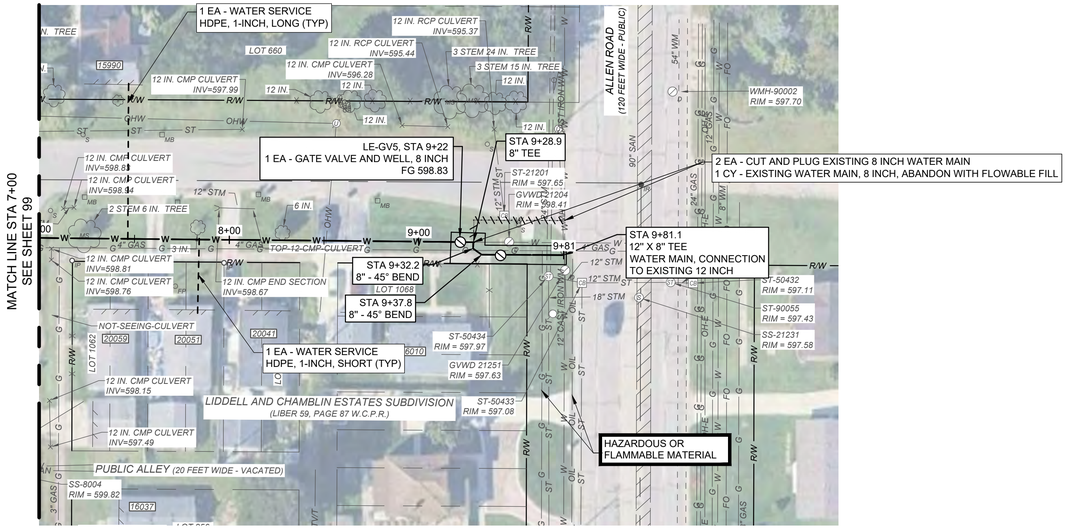
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99

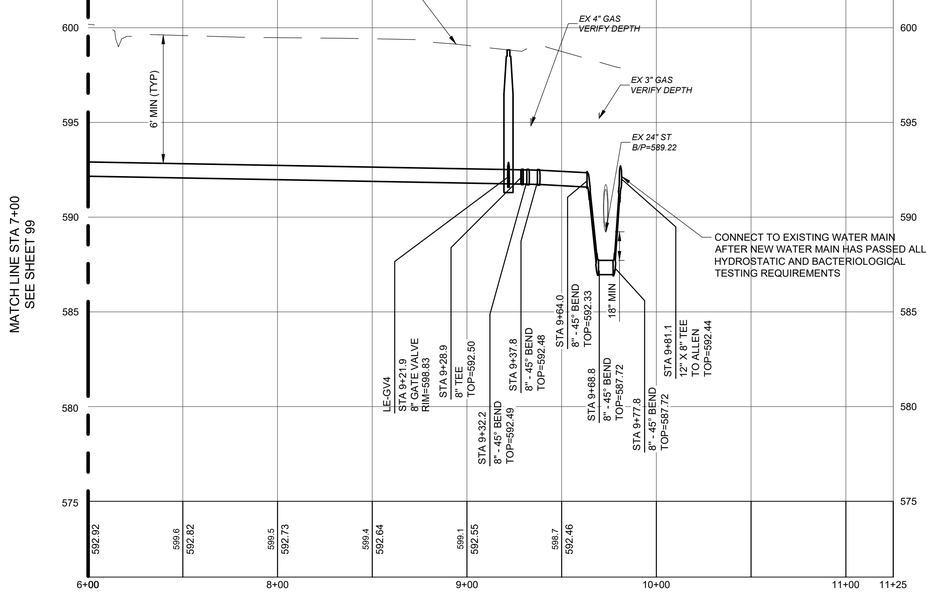
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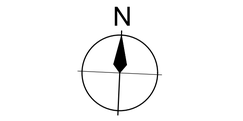
2025 WATER MAIN REHABILITATION DESIGN

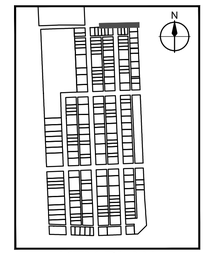
811 Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: KMACKLAND/MSIBERT/CKOMAREJEA/LEROY.DWG PLOTTED 11/6/2026 10:43 AM BY FLANAGAN, MARTIN









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

2	EA	CUT AND PLUG EXISTING 8 INCH WATER MAIN
1	CY	EXISTING WATER MAIN, 8 INCH, ABANDON WITH FLOWABLE FILL
1	EA	CONNECTION TO EX 12 INCH WM W/ 12"X8" TEE
329	LF	WATER MAIN, 8-INCH, HDPE SDR11, PIPE BURST EX 8-INCH
52	LF	WATER MAIN, 8-INCH, HDPE SDR11, DIRECTIONAL BORE
2	EA	GATE VALVE AND WELL, 8 INCH
3	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
2	EA	WATER SERVICE, HDPE, 1-INCH, LONG
5	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
9+73	Water 587.70	Storm 589.22	1.52'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY

Know what's below. Call before you dig.

PROJECT MANAGER: KELLI MCROBB-ACKLAND
DWN: KMA CHK'D: AMM APP'D: CDH AREA:LEROY DWG PLOTTED: 11/6/2026 10:43 AM BY: FLANAGAN, MARTIN

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - LEROY STA 7+00 TO 11+18

ISSUED FOR: BID
DATE: 11/10/26
BY: KMA

JOB NO. TAY3164-23T

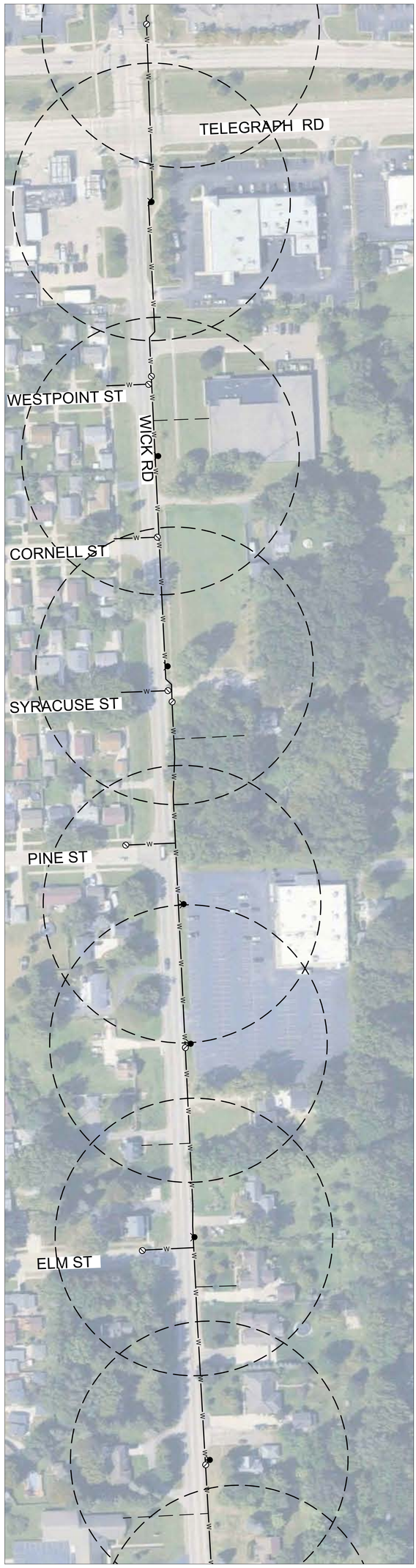
SHEET 100

2025 WATER MAIN REHABILITATION DESIGN

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PROJECT MANAGER: KELLY MCROBB-ACKLAND
C:\PW_WORK\MFLANAGAN\D1697338\SHT-CSP-OVERALL AREA 4.DWG PLOTTED 11/6/2026 10:43 AM BY FLANAGAN, MARTIN





AREA 4
WICK

REMOVAL & SESC SHEET 38, ##
PROPOSED PLAN & PROFILE SHEETS 39,40,40

LEGEND

PROPOSED WATER MAIN
PROPOSED GATE VALVE AND WELL
PROPOSED HYDRANT

HORIZONTAL SCALE IN FEET
100 50 0 100 200

N

SHEET	JOB NO.	ISSUED FOR:	DATE:	BY:
101	TAY3164-23T	BID	11/10/26	KMA

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
OVERALL PLAN - AREA 3
WICK ROAD

WADE TRIM
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25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

REV#	DATE	DESCRIPTION	BY

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AREA 3 - WICK ROAD STRUCTURES

ST-11001
RIM = 615.74
12" RCP S INV=611.14
12" RCP N INV=611.14
12" RCP W INV=611.14

SS-11002
RIM = 614.97
12" RCP N INV=600.67
12" RCP S INV=600.72

ST-11003
RIM = 615.01
12" RCP E INV=611.41
12" RCP SW INV=611.56
30" RCP S INV=610.81
30" RCP N INV=610.81

SS-11008
RIM = 613.85
12" PVC INSIDE RCP N INV=602.75
12" RCP E INV=602.85
12" RCP S INV=602.80

SS-11010
RIM = 614.84
12" RCP W INV=596.84
12" RCP E INV=596.84
18" RCP N INV=596.74

SS-11012
RIM = 615.04
18" RCP N INV=596.49
18" RCP S INV=596.59
12" CLAY W INV=597.24
12" CLAY E INV=597.54
12" CLAY W INV=605.44

WMH-11013
RIM = 614.21
STEEL DIR: E-W
T/PIPE = 608.81

ST-11014
RIM = 609.09
48" RCP E INV=603.59
48" RCP W INV=603.59
12" RCP N INV=604.39

ST-11015
RIM = 608.38
12" RCP S INV=604.38
12" RCP E INV=604.63

ST-11016
RIM = 607.28
12" RCP S INV=602.83
12" RCP N INV=603.08
12" RCP W INV=602.98

ST-11017
RIM = 616.05
36" RCP E INV=606.45
36" RCP W INV=606.55
12" RCP N45W INV=610.75

ST-11018
RIM = 614.57
UTO TOO OLD CANNOT OPEN NO RIM FOUND

WMH-20002
RIM = 617.71
BRICK COMPLETELY FOW NPV NO VALVE TOW-2.00

CB-20069
RIM = 616.19
12" PVC E INV=615.19
12" PVC W INV=615.19

CB-20078
RIM = 615.71
12" PVC E INV=613.56

CB-20100
RIM = 615.45
12" PVC E INV=613.35
12" PVC W INV=613.35

CB-20148
RIM = 615.13
12" CPP E INV=612.48
12" CPP W INV=612.48
12" CPP S INV=612.48

CB-20164
RIM = 615.02
12" PVC N INV=612.82
12" PVC S INV=612.82
12" PVC E INV=612.92

CB-20168
RIM = 614.54
12" PVC N INV=612.54
12" PVC S INV=612.54
12" PVC W INV=612.54

WMH-20177
RIM = 615.34
BRICK FOD FOW NPV TOW-2.40 TOV-4.20

CB-20211
RIM = 615.26
12" PVC E INV=613.41
12" PVC W INV=613.41

CB-20231
RIM = 615.26
12" CPP E INV=613.86
12" CPP W INV=613.86

CB-20250
RIM = 615.30
12" CMP E INV=614.10
12" CMP W INV=614.10

WMH-20266
RIM = 615.81
POOR BRICK FOD FOW NPV TOW-2.05 TOV-3.75

CB-20271
RIM = 615.87
BLOCK FOD FOW NPV

WMH-20334
RIM = 615.76
PVC DIR: E & W
T/PIPE = 610.66

WMH-20344
RIM = 615.68
PVC DIR: E & W
T/PIPE = 610.68

CB-20444
RIM = 613.50
12" RCP S INV=609.50

CB-20448
RIM = 613.71
12" RCP S INV=608.11
12" RCP N INV=609.01

WMH-20581
RIM = 609.63
CPP DIR: E
T/PIPE = 604.63
CPP DIR: N
T/PIPE = 606.43
CPP DIR: N
T/PIPE = 604.63

WMH-20583
RIM = 609.07
NO INVERT DATA

WMH-20584
RIM = 609.12
NO INVERT DATA

CB-20585
RIM = 608.82
NO INVERT DATA

ST-20586
RIM = 609.58
30" PVC E INV=604.58
30" PVC N INV=604.58
12" PVC W INV=604.58

ST-20587
RIM = 610.04
30" PVC E INV=604.69
30" PVC W INV=604.69
30" PVC N INV=604.69

ST-20588
RIM = 609.95
30" PVC E INV=604.55
30" PVC W INV=604.55
30" PVC N INV=604.55

ST-20589
RIM = 609.94
30" PVC E INV=604.64
30" PVC W INV=604.64
30" PVC N INV=604.64

ST-20590
RIM = 609.93
30" PVC W INV=604.58
30" PVC N INV=604.58

WMH-20608
RIM = 609.90
STEEL DIR: E & W
T/PIPE = 603.90

WMH-20625
RIM = 608.96
STEEL DIR: N
T/PIPE = 603.56
STEEL DIR: E & W
T/PIPE = 603.56

ST-20834
RIM = 608.18
12" RCP N INV=602.92
12" RCP W INV=605.38
12" RCP S INV=602.28

WMH-20998
RIM = 607.99
STEEL DIR: E & W
T/PIPE = 601.89
STEEL DIR: S
T/PIPE = 601.69

ST-21028
RIM = 608.09
12" RCP E INV=604.89
12" RCP W INV=605.34
12" RCP S INV=602.19
12" RCP N INV=602.54

SS-21111
RIM = 608.06
12" RCP E INV=594.90
12" RCP S INV=594.96

SS-21217
RIM = 608.00
15" RCP N40E INV=589.15
15" RCP S INV=589.35
10" CLAY N INV=589.20
12" PVC N INV=594.50

WMH-21251
RIM = 608.64
BRICK FOW NPV TOV-2.65 TOW-11.10

CB-21268
RIM = 607.50
12" RCP N45W INV=603.30

WMH-21269
RIM = 607.48
BRICK FOD NPV TOV-6.10 TOW-6.40

WMH-21270
RIM = 607.98
STEEL DIR: N & S
T/PIPE = 597.28

WMH-21272
RIM = 608.12
STEEL DIR: N ONLY
T/PIPE = 597.52

WMH-21273
RIM = 608.08
STEEL DIR: E & W
T/PIPE = 597.98

WMH-21274
RIM = 608.20
STEEL DIR: N & S
T/PIPE = 597.40

WMH-21275
RIM = 607.86
STEEL DIR: N & S
T/PIPE = 597.16
STEEL DIR: N & S
T/PIPE = 597.06

WMH-21281
RIM = 608.34
BRICK FOD FOW NPV TOW-6.50 TOV-7.55

CB-21294
RIM = 607.31
12" RCP N INV=603.91
12" RCP S INV=603.91

ST-21296
RIM = 607.71
56" RCP N30E INV=597.06
42" RCP W INV=600.36
24" CMP N INV=601.96

SS-21317
RIM = 607.64
15" RCP E INV=587.64
15" RCP S40W INV=592.69

CB-21318
RIM = 607.41
12" RCP E INV=603.21
12" RCP S45W HEAVY O/S INV=602.91

WMH-21327
RIM = 608.02
STEEL DIR: E & W
T/PIPE = 602.77

WMH-21357
RIM = 608.06
STEEL DIR: N
T/PIPE = 602.71
STEEL DIR: E & W
T/PIPE = 602.71

CB-21359
RIM = 607.34
12" CMP S INV=604.64

WMH-21360
RIM = 607.83
STEEL DIR: N & S
T/PIPE = 603.63

WMH-21404
RIM = 607.56
STEEL DIR: N & S
T/PIPE = 603.36

CB-21537
RIM = 607.31
42" RCP E INV=600.91
30" RCP S INV=601.01
42" RCP W INV=600.91
30" RCP BULKHEAD N INV=601.31

CB-21551
RIM = 609.04
12" RCP N45W INV=605.34
12" RCP INV=605.44

CB-21656
RIM = 609.68
12" RCP E INV=605.28
12" RCP N INV=604.93
12" RCP S45W INV=604.93

CB-21732
RIM = 609.68
12" RCP S60E INV=609.68
6" CMP N INV=605.98

ST-21761
RIM = 610.24
UTO NEED TRAFFIC CONTROL

CB-21818
RIM = 609.21
12" RCP S INV=606.96

ST-21874
RIM = 610.18
42" RCP E INV=604.28
42" RCP W INV=604.08
24" RCP N30E INV=603.38
24" RCP S INV=603.38
12" RCP N60W INV=605.48

CB-21961
RIM = 609.20
12" RCP N INV=605.80
12" RCP S60E INV=605.70
4" CPP W INV=606.90

CB-22038
RIM = 608.45
12" RCP N INV=605.45
12" CMP E INV=606.15

WMH-22079
RIM = 609.57
STEEL DIR: E & W
T/PIPE = 593.22

ST-22093
RIM = 609.62
42" RCP W INV=604.12
42" RCP N75E INV=604.12

WMH-50042
RIM = 618.94
STEEL DIR: E & W
T/PIPE = 613.29

WMH-50162
RIM = 617.86
STEEL DIR: N & S
T/PIPE = 612.86

CB-50254
RIM = 615.46
12" CMP E INV=614.21
12" CMP W INV=614.11

CB-50274
RIM = 615.87
12" CMP E INV=613.67
12" CMP W INV=613.67

CB-50285
RIM = 615.76
12" CMP E INV=613.86
12" CMP W INV=613.86

CB-50776
RIM = 613.74
12" RCP N45W INV=609.99
12" RCP E INV=610.44
24" RCP S INV=610.14

WMH-50852
RIM = 615.54
STEEL DIR: N & S
T/PIPE = 608.98

WMH-50853
RIM = 615.38
STEEL DIR: N & S
T/PIPE = 608.28

CB-50861
RIM = 614.97
12" RCP W INV=612.17

WMH-50862
RIM = 615.63
STEEL DIR: E & W
T/PIPE = 608.33

ST-50894
RIM = 616.17
18" OPENING BETWEEN STRUCUTRES E INV=610.17
15" RCP S45W INV=610.62

ST-50895
RIM = 616.24
30" RCP N45E INV=610.44
18" OPENING TO STRUCTURE TO W W INV=610.24

ST-50896
RIM = 616.75
30" RCP N INV=610.35
30" RCP S45W INV=610.35
12" RCP E INV=611.25
12" RCP W INV=610.75

CB-50924
RIM = 614.80
12" RCP E & W INV=610.90

CB-50959
RIM = 614.81
12" RCP E INV=611.11
15" RCP W INV=611.01

SS-50960
RIM = 614.96
UTO NEED TRAFFIC CONTROL + BOLTED

CB-50961
RIM = 614.86
15" RCP E INV=610.66

CB-50991
RIM = 616.07
12" RCP N45W INV=611.47
12" RCP E INV=611.47

CB-51027
RIM = 615.00
NO INVERT DATA

CB-51069
RIM = 615.06
12" RCP S INV=611.66
12" RCP W INV=611.66
4" PVC N INV=611.46

WMH-51085
RIM = 617.62
STEEL DIR: N & S
T/PIPE = 610.52

ST-51207
RIM = 614.95
UTO SEALED / NEED TRAFFIC CONTROL

CB-51246
RIM = 614.12
15" RCP N INV=611.02
24" CMP E INV=610.72
24" CMP W INV=610.72

CB-51247
RIM = 614.15
12" RCP N INV=611.50
12" RCP S INV=611.60

CB-51272
RIM = 614.57
12" RCP S60E INV=611.27

CB-51311
RIM = 614.71
12" RCP W INV=610.81

ST-51363
RIM = 615.85
24" RCP E INV=610.65
24" RCP S INV=610.65

ST-51420
RIM = 616.11
12" RCP N INV=610.71
18" RCP S INV=610.41

CB-51422
RIM = 614.85
15" RCP N INV=610.85
30" CMP E INV=610.60
30" RCP W INV=610.60
18" RCP S INV=610.65

ST-51423
RIM = 615.13
UTO NEED TRAFFIC CONTROL

ST-51449
RIM = 615.77
24" RCP N INV=610.97
12" RCP E (CANT SEE) INV=615.77

ST-51451
RIM = 617.08
24" RCP E INV=610.83
24" RCP W INV=610.83
30" RCP N INV=610.83

ST-51452
RIM = 616.85
30" RCP S INV=610.60
12" OPENING TO STRUCTURE TO N N INV=610.60

ST-51453
RIM = 616.78
12" RCP N10E INV=610.33
12" OPENING TI STRUCTURE TO S S INV=610.53

ST-51454
RIM = 616.44
12" RCP S10W INV=610.44
12" RCP W INV=610.64
12" RCP E INV=610.94
18" RCP N INV=610.34

ST-51455
RIM = 615.90
24" RCP W INV=610.80

CB-51523
RIM = 614.17
PRECAST EXTREME O/S NPV TOW-3.00

ST-51564
RIM = 614.35
UTO NEED TRAFFIC CONTROL

SS-51565
RIM = 614.44
UTO NEED TRAFFIC CONTROL

ST-51566
RIM = 614.56
UTO NEED TRAFFIC CONTROL

ST-51592
RIM = 607.62
12" RCP S45E INV=602.67
12" RCP N45E INV=602.82
56" RCP E INV=596.62
56" RCP S30W INV=596.67

ST-51593
RIM = 606.55
24" CMP S INV=602.35

SS-51594
RIM = 607.21
12" RCP S INV=594.31

SS-51595
RIM = 608.27
12" RCP N INV=594.67
12" RCP W INV=594.72
12" RCP S INV=594.92

SS-51596
RIM = 606.55
15" RCP N INV=594.15

ST-51597
RIM = 607.06
30" RCP N INV=601.41

SS-51598
RIM = 608.09
12" RCP N INV=595.09

ST-51599
RIM = 608.00
12" RCP HEAVY O/S N INV=602.00

ST-51600
RIM = 608.98
12" RCP HEAVY O/S N INV=602.28

ST-51601
RIM = 607.08
12" RCP S INV=603.58

CB-51603
RIM = 608.80
CMP COMPLETELY FOD NPV

CB-51606
RIM = 613.45
12" RCP N INV=607.25
12" RCP S30W INV=607.25

ST-51607
RIM = 613.77
42" RCP E INV=604.97
12" RCP N30E INV=606.87

WMH-51608
RIM = 618.72
STEEL DIR: N & S
T/PIPE = 613.12

CB-51622
RIM = 613.22
12" RCP S45E INV=609.72

CB-51623
RIM = 615.58
12" RCP E INV=611.03
12" RCP W HEAVY O/S INV=611.03

ST-51624
RIM = 616.96
UTO CAR PARKED OVER STRUCTURE

WMH-51625
RIM = 615.53
STEEL DIR: N & S
T/PIPE = 610.18

CB-51626
RIM = 614.86
12" RCP N60W INV=610.86

ST-51627
RIM = 615.56
24" RCP N INV=610.70

STMH-40089
RIM = 613.93
18" RCP N INV=610.43
18" RCP S INV=610.48

CB-40137
RIM = 613.01
12" RCP N INV=609.56

STMH-40146
RIM = 613.81
30" PVC W INV=607.81

SMH-40147
RIM = 614.65
12" RCP E INV=603.70
12" RCP W INV=603.65
12" RCP S INV=603.70

SMH-40149
RIM = 613.91
12" RCP W INV=602.76
12" RCP E INV=602.81
12" RCP S INV=602.81
8" PVC N45W INV=608.31

CB-40301
RIM = 614.96
12" RCP N INV=609.71

GVWD-40328
RIM = 616.35
12" PVC N INV=612.54
12" PVC S INV=612.54
12" PVC W INV=612.54

STMH-40407
RIM = 616.86
12" RCP N INV=610.86
12" RCP S INV=610.96
12" RCP S15W INV=611.01

SMH-40469
RIM = 616.86
12" RCP W INV=605.85
12" RCP S INV=605.90

CB-40470
RIM = 614.55
12" RCP N INV=610.90

CB-40477
RIM = 615.54
12" RCP S INV=611.14
12" RCP N INV=612.84

SMH-40478
RIM = 616.14
12" RCP S INV=604.69
12" RCP N INV=604.74

CB-40527
RIM = 614.89
12" RCP E INV=611.84

CB-40544
RIM = 614.81
12" RCP W INV=612.41

STMH-40545
RIM = 614.78
12" RCP N INV=611.68
12" RCP E INV=611.73
12" RCP W INV=611.73

SMH-40548
RIM = 615.80
12" RCP E INV=606.40
12" RCP S INV=606.45

CB-40703
RIM = 614.32
12" CMP W INV=612.32

SMH-40704
RIM = 614.86
15" RCP N INV=596.81
12" RCP E 596.91
12" RCP W INV=596.91

STMH-40732
RIM = 616.00
24" RCP E INV=606.40
24" RCP W INV=606.45
12" RCP N40W INV=610.70

CB-40759
RIM = 614.78
12" RCP S60W INV=612.78

STMH-40780
RIM = 615.47
42" RCP E INV=605.07
24" RCP W INV=605.52
24" RCP S INV=605.52
12" RCP N60E INV=612.57
12" CMP N45W INV=612.62

CB-40808
RIM = 614.31
12" CMP S45E INV=613.16

CB-40876
RIM = 614.44
12" CMP S45E INV=608.04

SMH-40909
RIM = 615.28
12" RCP W INV=598.48
12" RCP S INV=598.53
8" PVC S60E INV=606.33

CB-40935
RIM = 612.79
12" RCP E INV=610.09
4" PVC N15E 610.59
4" PVC N60W 610.59
4" PVC S60W 610.59
4" PVC S15W 610.59

CB-40976
RIM = 607.21
18" RCP S10E INV=604.41

STMH-41057
RIM = 608.77
18" RCP N10W INV=603.52
18" RCP S INV=602.97

GVWD-41097
RIM = 609.02
NPV, FOW

STMH-41145
RIM = 607.83
48" RCP E INV=601.58
48" RCP W INV=601.63
12" RCP S INV=601.63
12" RCP N60W INV=604.13
6" CLAY N INV=602.23

STMH-41261
RIM = 608.04
48" RCP E INV=601.34
48" RCP W INV=601.39
12" RCP N INV=602.54

CB-41338
RIM = 617.22
12" RCP E INV=604.57

STMH-41339
RIM = 617.38
12" RCP N INV=613.98
12" RCP E INV=614.03
12" RCP W INV=614.38

CB-41377
RIM = 617.25
12" RCP W INV=614.45

CB-41395
RIM = 617.35
12" RCP W INV=613.20

SMH-41399
RIM = 618.54
12" RCP E INV=603.54
12" RCP W INV=603.59
4" PVC S60E INV=613.04

STMH-41404
RIM = 617.59
18" RCP W 610.99
12" RCP E INV=612.36
12" RCP S INV=613.44

CB-41504
RIM = 611.05
NPV, FULL OF DEBRIS/WATER

CB-41505
RIM = 611.91
NPV, FULL OF DEBRIS/WATER

STMH-41506
RIM = 612.31
12" RCP N INV=606.51
12" RCP N45E INV=606.96
12" RCP E INV=606.61
12" RCP S45E INV=606.66
12" RCP W INV=606.56

CB-41509
RIM = 611.90
8" CLAY N INV=607.99
4" PVC N45E INV=608.49
4" PVC E INV=608.44
4" PVC N60W INV=608.44

CB-41522
RIM = 613.06
8" CLAY N INV=609.86

STMH-41523
RIM = 613.27
12" RCP E INV=609.72
12" RCP N45W INV=609.77

CB-41527
RIM = 612.75
12" RCP S45E 610.25

GVWD-41503
RIM = 611.09
NPV, FULL OF WATER

CB-51578
RIM = 612.47
8" CLAY N INV=608.47
4" PVC S60W INV=608.57
4" PVC S60E INV=608.57

ST-19233
RIM = 609.14
24"RCP N INV=604.34
24"RCP S INV=604.44
6"PVC S INV=606.34
18"RCP SW INV=604.34

CD-19234
RIM = 608.70
12"RCP N INV=604.10

CB-19044
RIM = 608.69
12"RCP W INV=604.79

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

REV#	DATE	DESCRIPTION	BY

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
STRUCTURE TABLE AREA 3 WICK ROAD

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

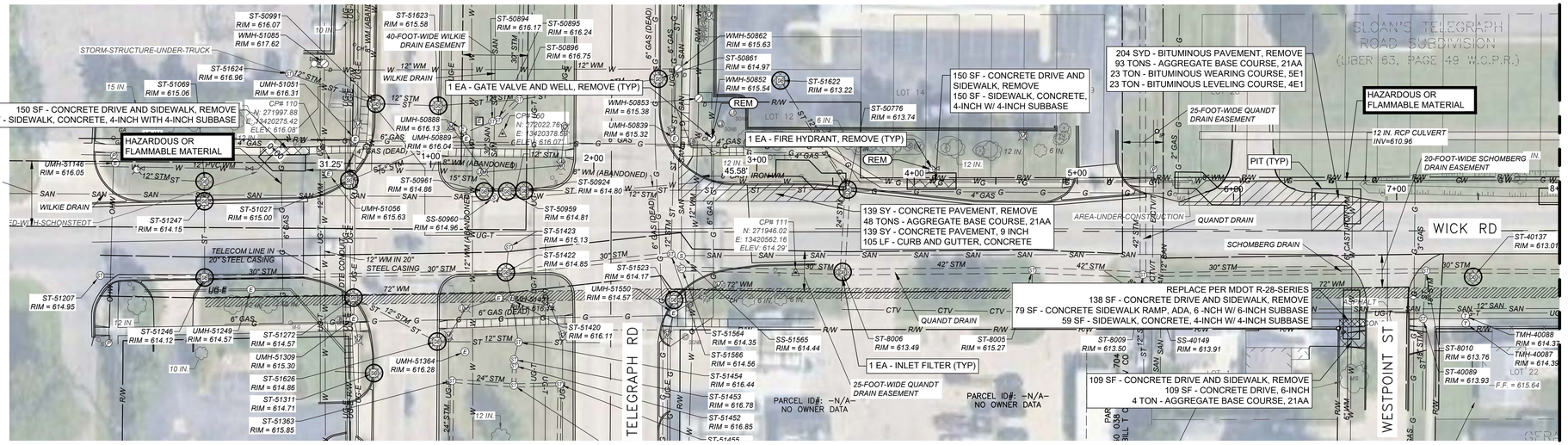
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TAY3164-23T

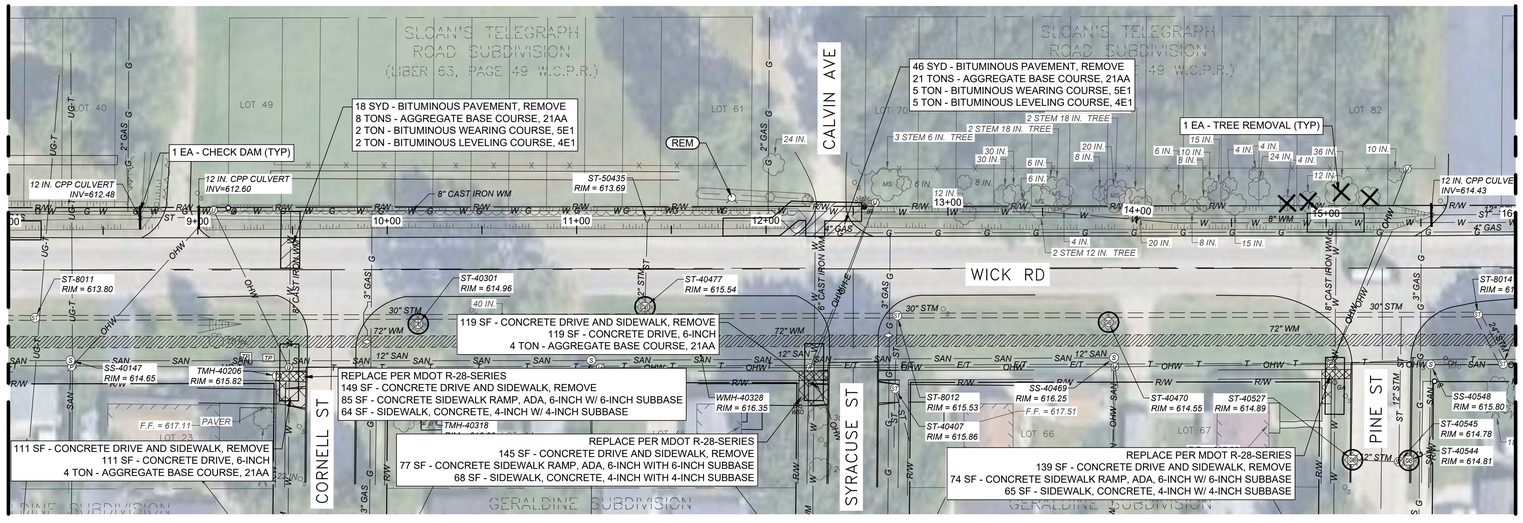
SHEET
102

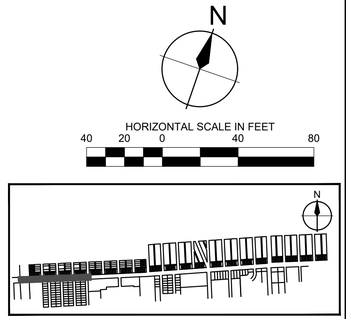
2025 WATER MAIN REHABILITATION DESIGN

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PROJECT MANAGER: KELLY MCROBB-HOLAND
PROJECT ENGINEER: ANDREW MARTIN
DRAWING NAME: C:\PROJECTS\3164\CAD\STRUCTURE TABLES.DWG PLOTTED 11/6/2026 10:43 AM BY FLANIGAN, MARTIN







HORIZONTAL SCALE IN FEET
40 20 0 40 80

SUMMARY OF QUANTITIES THIS SHEET

24	EA	INLET FILTER
3	EA	CHECK DAM
1	EA	GATE VALVE AND WELL, REMOVE
2	EA	FIRE HYDRANT, REMOVE
139	SY	CONCRETE PAVEMENT, REMOVE
268	SY	BITUMINOUS PAVEMENT, REMOVE
1435	SF	CONCRETE DRIVE AND SIDEWALK, REMOVE
781	SF	SIDEWALK, CONCRETE, 4-INCH W/ 4-INCH SUBBASE
315	SF	CONCRETE SIDEWALK RAMP, ADA, 6-INCH WITH 6-INCH SUBBASE
139	SY	CONCRETE PAVEMENT, 9 INCH
339	SF	CONCRETE DRIVE, 6-INCH
182	TON	AGGREGATE BASE COURSE, 21AA
30	TON	BITUMINOUS WEARING COURSE, 5E1
30	TON	BITUMINOUS LEVELING COURSE, 4E1
105	LF	CURB AND GUTTER, CONCRETE, STRAIGHT CURB
4	EA	TREE REMOVAL

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
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WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN - WICK STA 0+00 TO 16+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

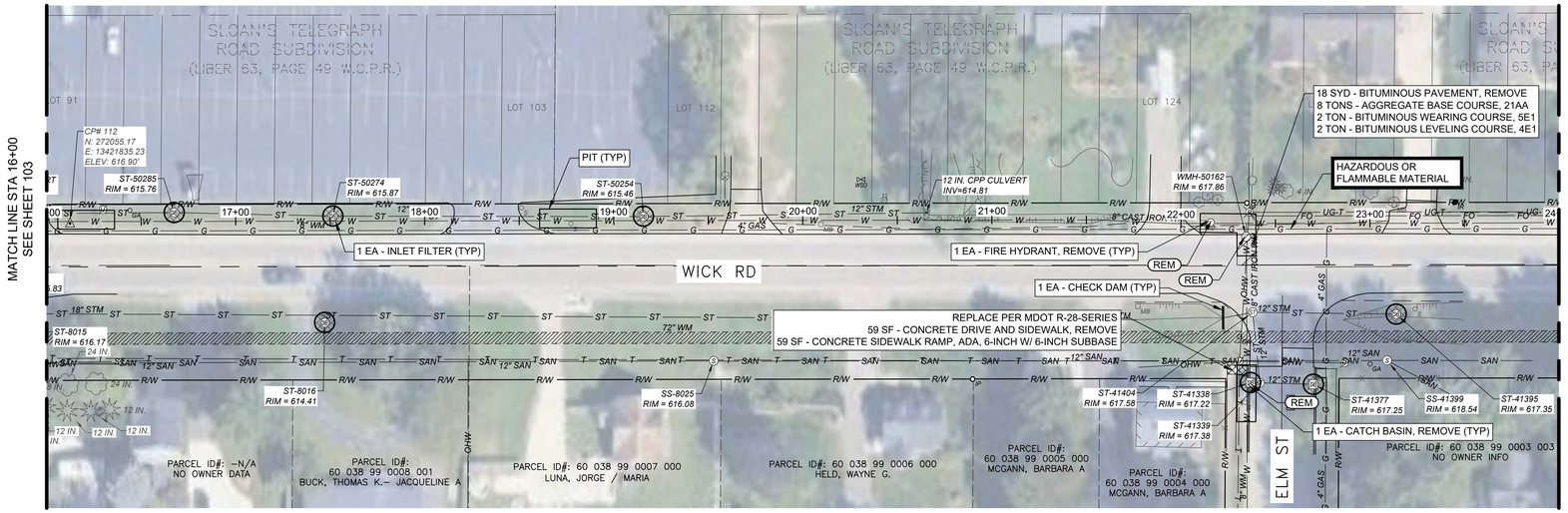
SHEET 103

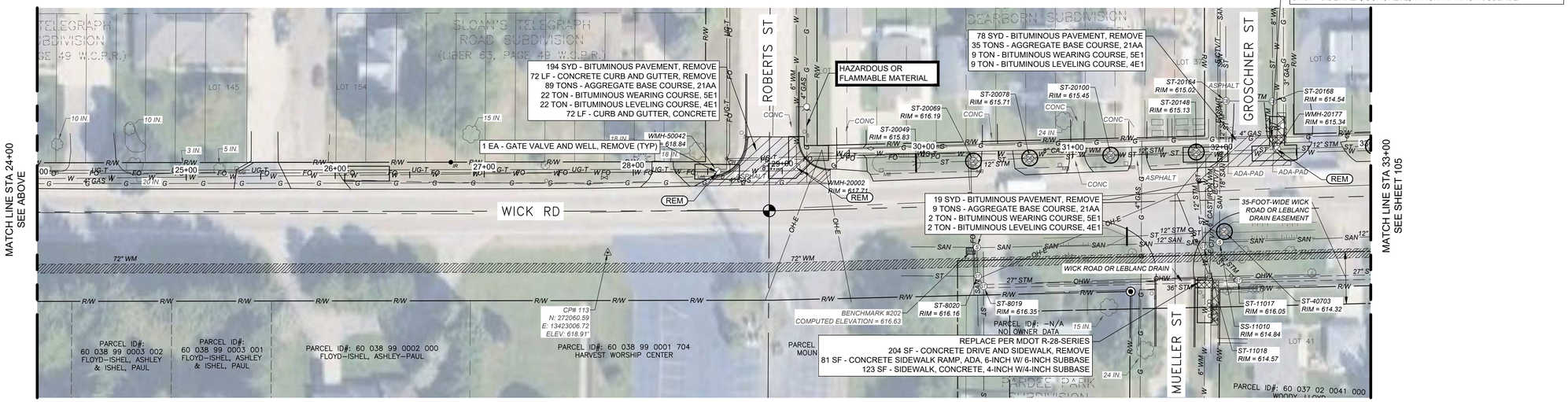
2025 WATER MAIN REHABILITATION DESIGN

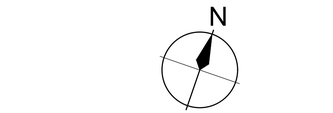
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Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCROBB-ACKLAND
CREW: NONE ASSIGNED
C:\WORK\2025\WATER\TAY3164-23T-WICK\DESIGN\EA-WICK.DWG PLOTTED 11/6/2026 10:43 AM BY FLANAGAN, MARTIN







KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

12	EA	INLET FILTER
3	EA	CHECK DAM
4	EA	GATE VALVE AND WELL, REMOVE
1	EA	CATCH BASIN, REMOVE
1	EA	FIRE HYDRANT, REMOVE
309	SY	BITUMINOUS PAVEMENT, REMOVE
862	SF	CONCRETE DRIVE AND SIDEWALK, REMOVE
72	LF	CONCRETE CURB AND GUTTER, REMOVE
664	SF	SIDEWALK, CONCRETE, 4-INCH W/ 4-INCH SUBBASE
198	SF	CONCRETE SIDEWALK RAMP, ADA, 6-INCH W/ 6-INCH SUBBASE
141	TON	AGGREGATE BASE COURSE, 21AA
35	TON	BITUMINOUS WEARING COURSE, 5E1
35	TON	BITUMINOUS LEVELING COURSE, 4E1
72	LF	CURB AND GUTTER, CONCRETE, STRAIGHT CURB

REV#	DATE	DESCRIPTION	BY

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CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN - WICK
STA 16+00 TO 33+00

ISSUED FOR: BID
DATE: 11/10/26
BY: KMA

JOB NO. TAY3164-23T

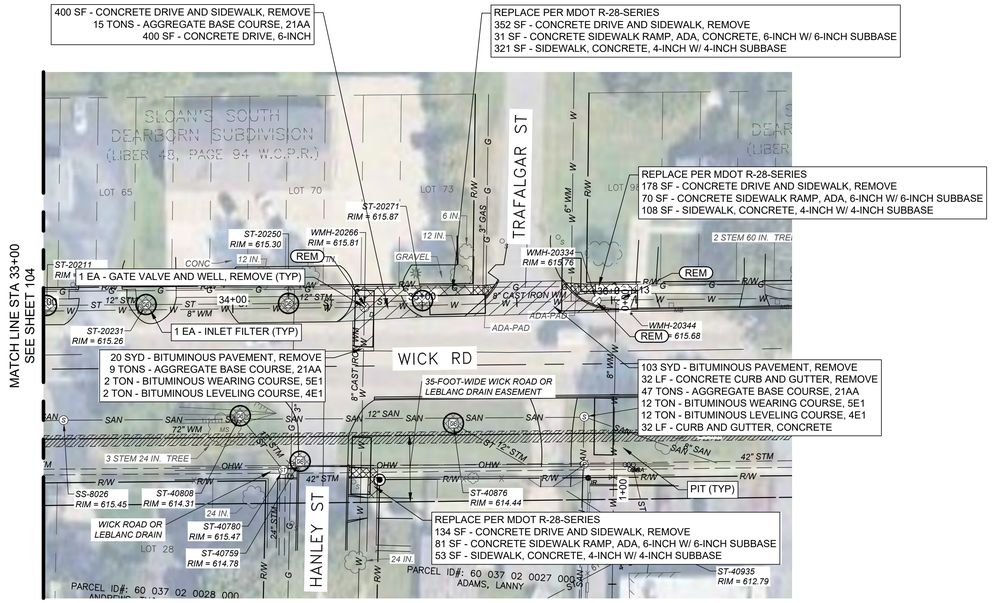
SHEET 104

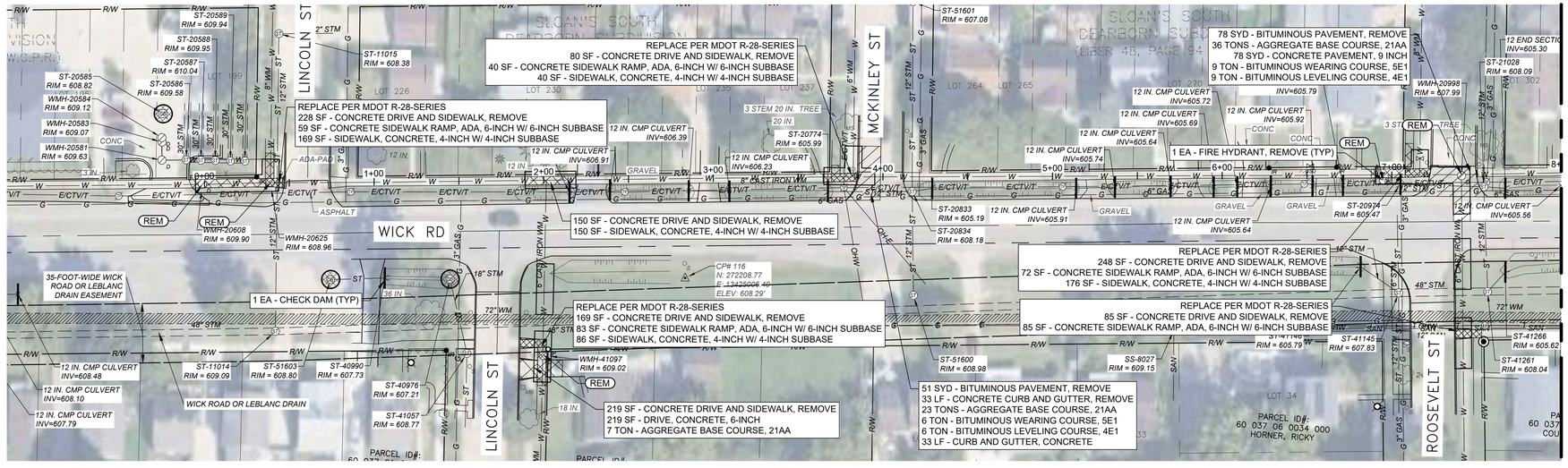
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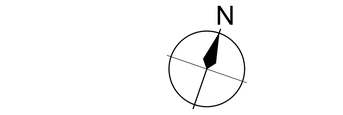
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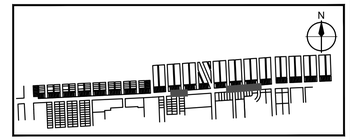
PROJECT MANAGER: KELLY MCROBB-ICHLANG
DESIGNED: KMA DRAWN: KMA CHECKED: LDM AREA:WICK.DWG PLOTTED: 11/6/2026 10:44 AM BY FLANAGAN, MARTIN







HORIZONTAL SCALE IN FEET
40 20 0 40 80



KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

10	EA	INLET FILTER
20	EA	CHECK DAM
7	EA	GATE VALVE AND WELL, REMOVE
1	EA	FIRE HYDRANT, REMOVE
252	SY	BITUMINOUS PAVEMENT, REMOVE
3187	SF	CONCRETE DRIVE AND SIDEWALK, REMOVE
65	LF	CONCRETE CURB AND GUTTER, REMOVE
2047	SF	SIDEWALK, CONCRETE, 4-INCH W/ 4-INCH SUBBASE
521	SF	CONCRETE SIDEWALK RAMP, ADA, 6-INCH W/ 6-INCH SUBBASE
619	SF	CONCRETE DRIVE, 6-INCH
137	TON	AGGREGATE BASE COURSE, 21AA
29	TON	BITUMINOUS WEARING COURSE, 5E1
29	TON	BITUMINOUS LEVELING COURSE, 4E1
65	LF	CURB AND GUTTER, CONCRETE, STRAIGHT CURB

REV#	DATE	DESCRIPTION	BY

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Taylor, MI 48180
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WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN - WICK STA 32+00 TO 8+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

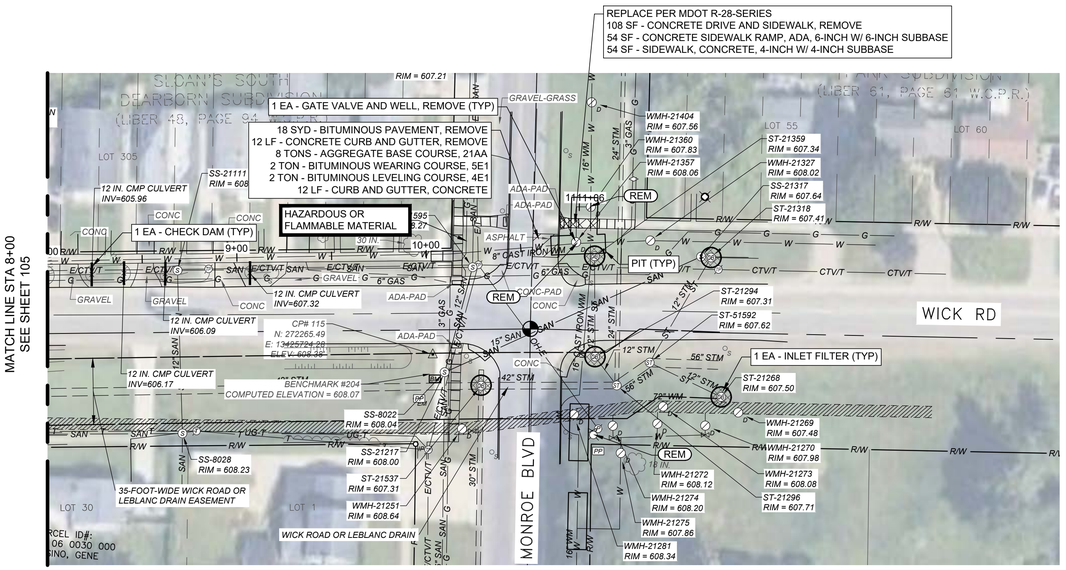
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105

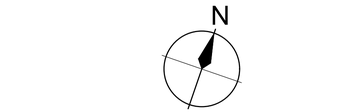
2025 WATER MAIN REHABILITATION DESIGN

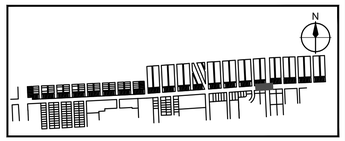
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811 Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: K:\WADE TRIM\TAYLOR\TAY3164-23T\CAD\SEA\WICK.DWG PLOTTED 11/6/2026 10:44 AM BY FLANAGAN, MARTIN







KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

5	EA	INLET FILTER
4	EA	CHECK DAM
2	EA	GATE VALVE AND WELL, REMOVE
1	EA	FIRE HYDRANT, REMOVE
18	SY	PAVEMENT, REMOVE AND EXCAVATE
408	SF	CONCRETE DRIVE AND SIDEWALK, REMOVE
12	LF	CONCRETE CURB AND GUTTER, REMOVE
354	SF	SIDEWALK, CONCRETE, 4-INCH W/ 4-INCH SUBBASE
54	SF	CONCRETE SIDEWALK RAMP, ADA, 6-INCH W/ 6-INCH SUBBASE
8	TON	AGGREGATE BASE COURSE, 21AA
2	TON	BITUMINOUS WEARING COURSE, 5E1
2	TON	BITUMINOUS LEVELING COURSE, 4E1
12	LF	CURB AND GUTTER, CONCRETE, STRAIGHT CURB

REV#	DATE	DESCRIPTION	BY

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25251 Northline Road
Taylor, MI 48180
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WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN - WICK
STA 8+00 TO 11+06

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

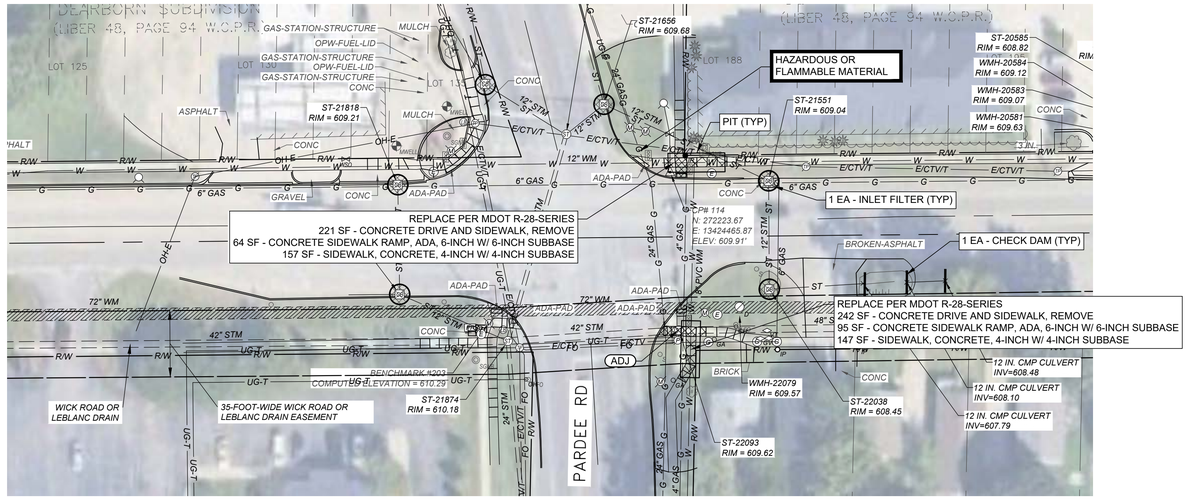
SHEET 106

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2025 WATER MAIN REHABILITATION DESIGN

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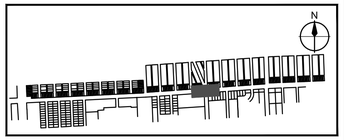
PROJECT MANAGER: KELLY MCROBB-ACKLAND
DESIGNED: KMA DRAWN: KMA CHECKED: CHA/BEA-WICK.DWG PLOTTED 11/6/2026 10:44 AM BY FLANAGAN, MARTIN



N

HORIZONTAL SCALE IN FEET

40 20 0 40 80



KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

6	EA	INLET FILTER
3	EA	CHECK DAM
1	EA	ADJUST STRUCTURE
463	SF	CONCRETE DRIVE AND SIDEWALK, REMOVE
304	SF	SIDEWALK, CONCRETE, 4-INCH W/ 4-INCH SUBBASE
159	SF	CONCRETE SIDEWALK RAMP, ADA, 6-INCH W/ 6-INCH SUBBASE

EGEN	REV#	DATE	DESCRIPTION	BY

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CITY OF TAYLOR
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TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN -
WICK AND PARDEE

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

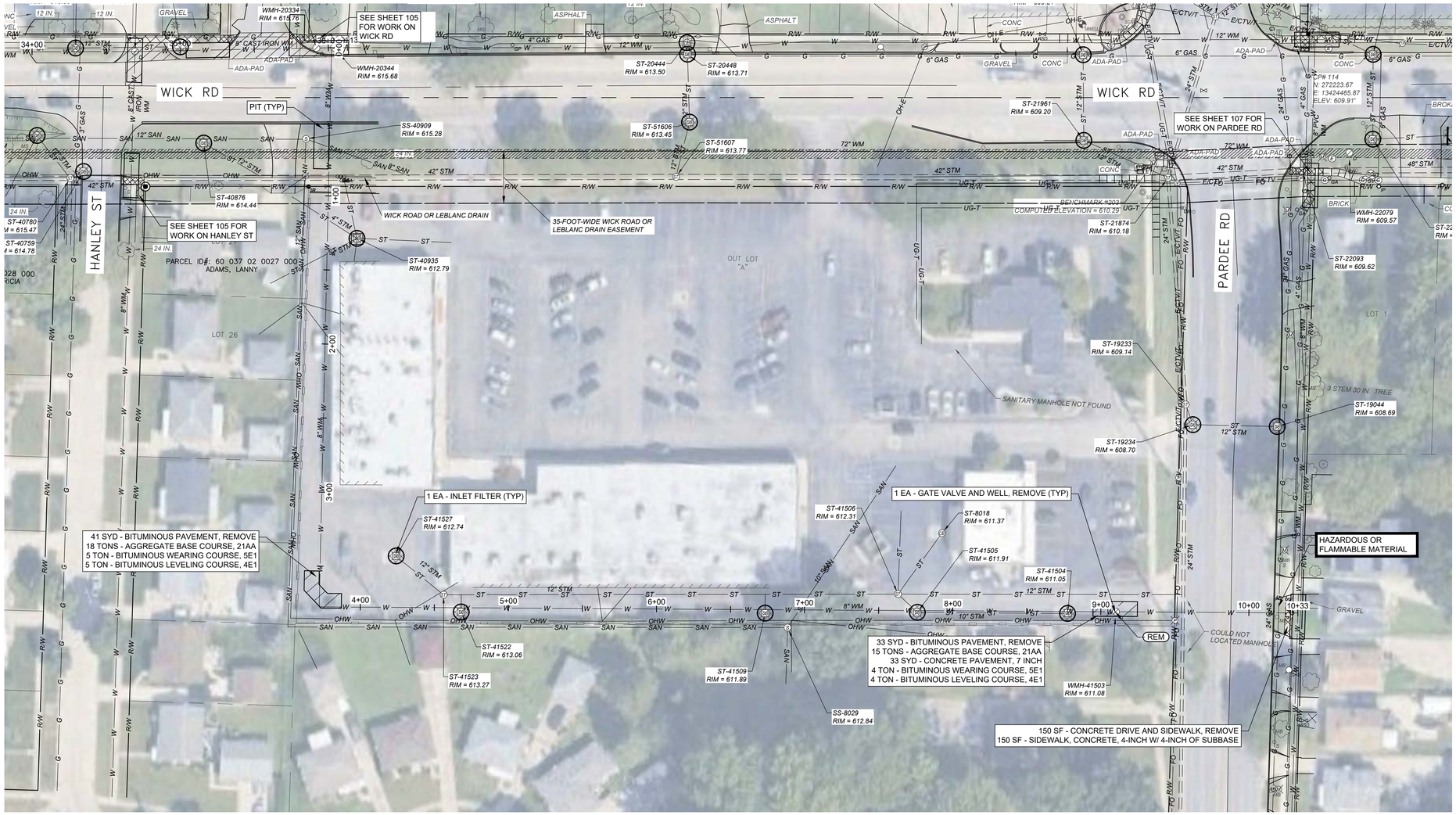
SHEET
107

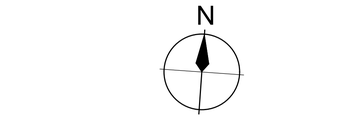
2025 WATER MAIN REHABILITATION DESIGN

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PROJECT MANAGER: KELLY MCROBB-ACKLAND
CHECKED: KYLE MARTIN | DESIGNED: CHANGEA-WICK.DWG PLOTTED 11/6/2026 10:44 AM BY FLANAGAN, MARTIN





KEY PLAN

HORIZONTAL SCALE IN FEET
40 20 0 40 80

SUMMARY OF QUANTITIES THIS SHEET

11	EA	INLET FILTER
1	EA	GATE VALVE AND WELL, REMOVE
74	SY	BITUMINOUS PAVEMENT, REMOVE
150	SF	CONCRETE DRIVE AND SIDEWALK, REMOVE
150	SF	SIDEWALK, CONCRETE, 4-INCH W/ 4-INCH SUBBASE
33	TON	AGGREGATE BASE COURSE, 21AA
9	TON	BITUMINOUS WEARING COURSE, 5E1
9	TON	BITUMINOUS LEVELING COURSE, 4E1

REV#	DATE	DESCRIPTION	BY

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Taylor, MI 48180
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CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN - WICK PZA
0+00 TO 10+33

ISSUED FOR: BID | DATE: 11/10/26 | BY: KMA

JOB NO. TAY3164-23T

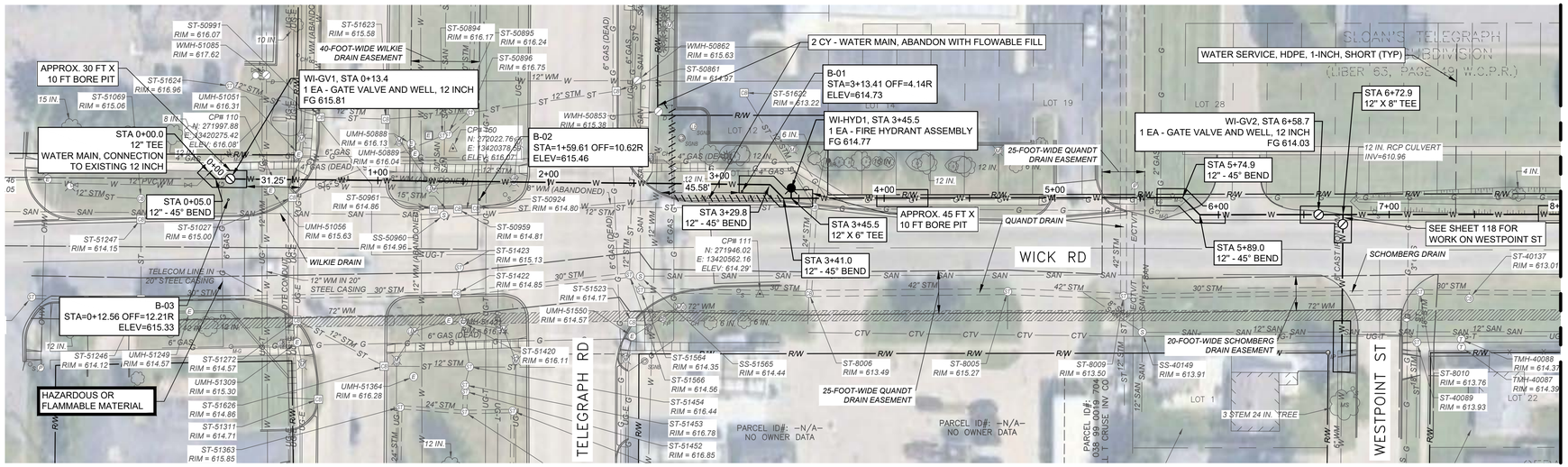
SHEET 108

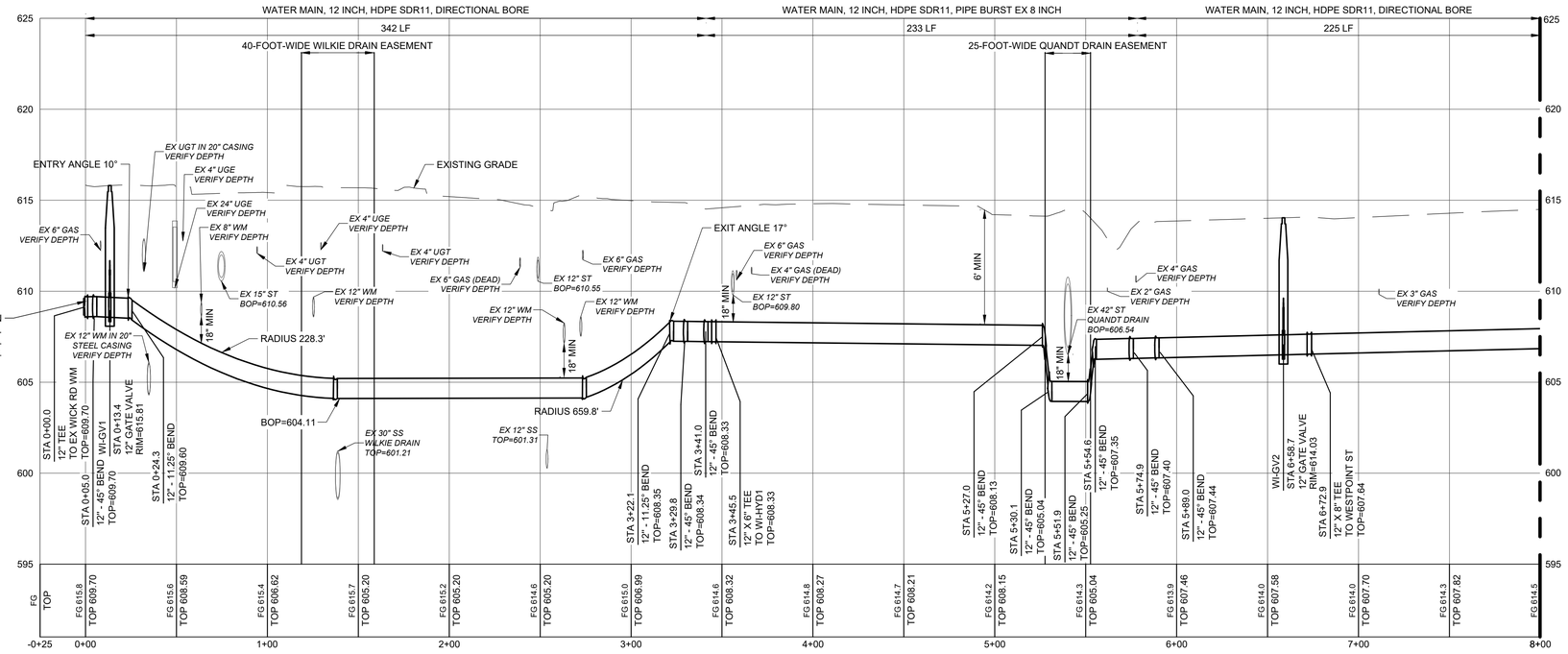
2025 WATER MAIN REHABILITATION DESIGN

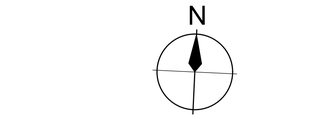
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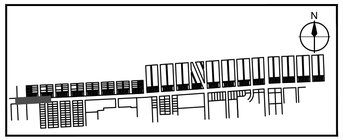
811 Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MORRIS-ACKLAND
DESIGNER: ADAM RICHARD CRAMER
PLOTTED BY: KMA
FILE NAME: ...\SHEETS\WICK\CRAMER-A-WICK.DWG, PLOTTED 11/6/2026 10:44 AM BY FLANAGAN, MARTIN









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

2	CY	WATER MAIN, ABANDON WITH FLOWABLE FILL
1	EA	CONNECTION TO EX 12 INCH WATER MAIN W/ 12"X12" TEE
233	LF	WATER MAIN, 12 INCH, HDPE SDR11, PIPE BURST EX 8 INCH
567	LF	WATER MAIN, 12 INCH, HDPE SDR11, DIRECTIONAL BORE
2	EA	GATE VALVE AND WELL, 12 INCH
1	EA	FIRE HYDRANT ASSEMBLY
2	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
2	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
0+75	Water 606.67	Storm 610.58	3.89'
1+38	Sanitary 601.21	Water 604.11	2.9'
2+50	Water 605.31	Storm 610.54	5.23'
2+54	Sanitary 601.31	Water 604.15	2.84'
3+56	Water 606.30	Storm 609.80*	1.5'
5+40	Water 605.04	Storm 606.54*	1.5'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:
CONTRACTOR WILL PLACE PIPE JOINTS AT MAXIMUM DISTANCE FROM UTILITY CROSSINGS (TYP).

REV#	DATE	DESCRIPTION	BY

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Taylor, MI 48180
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WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - WICK STA 0+00 TO 8+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

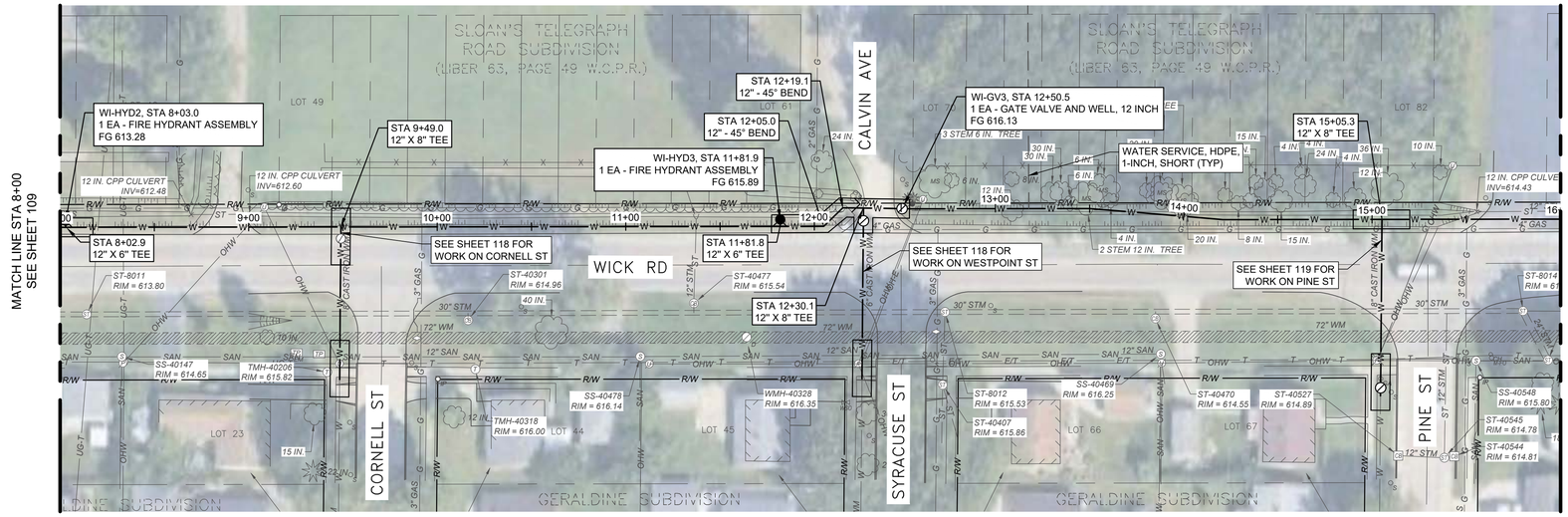
SHEET 109

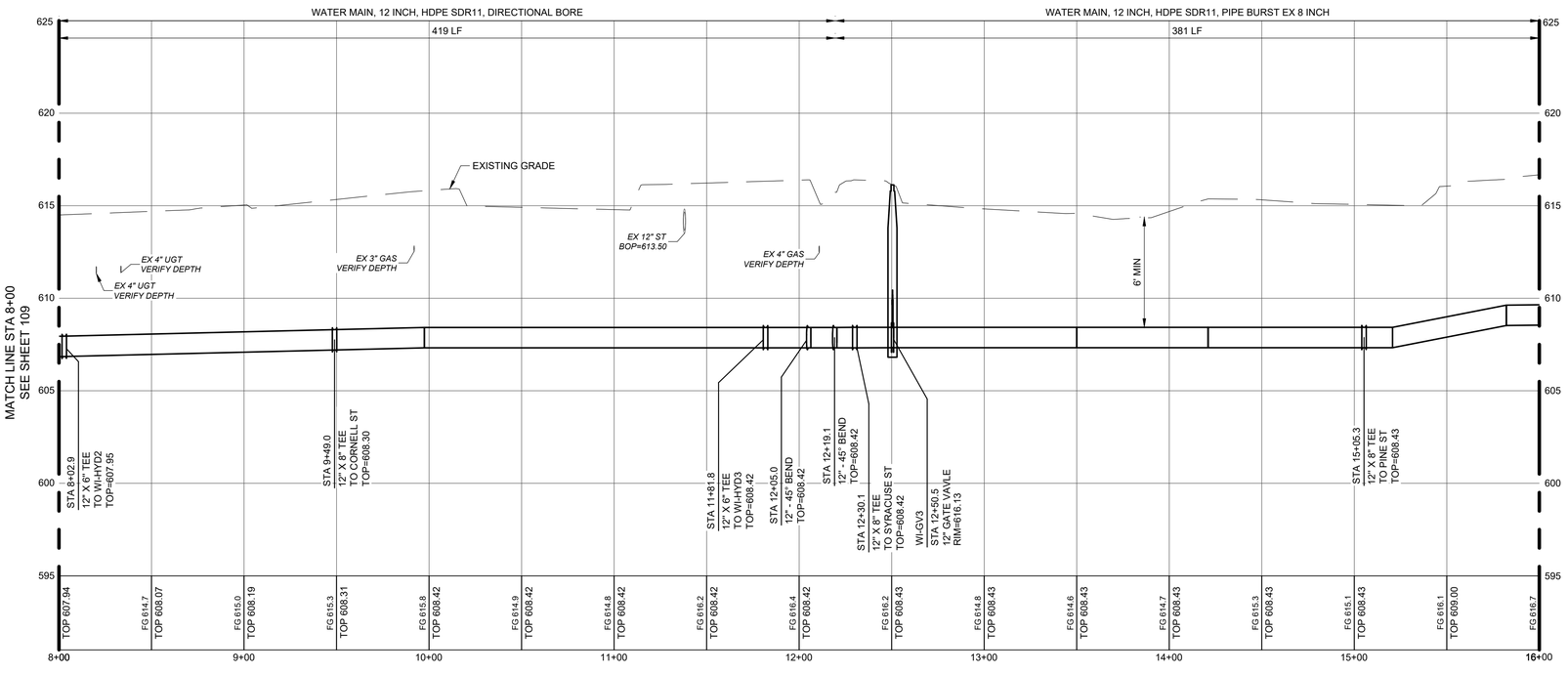
2025 WATER MAIN REHABILITATION DESIGN

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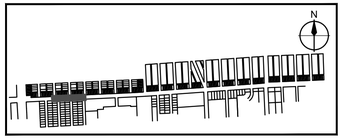
PROJECT MANAGER: KELLY MCROBB-ACHLAN
CAD: K:\MAC\Active\3164\2300\Design\Roadway\EA-WICK.DWG PLOTTED: 11/6/2026 10:44 AM BY FLANAGAN, MARTIN





N

HORIZONTAL SCALE IN FEET
40 20 0 40 80
4 2 0 4 8
VERTICAL SCALE IN FEET



KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

381	LF	WATER MAIN, 12 INCH, HDPE SDR11, PIPE BURST EX 8 INCH
419	LF	WATER MAIN, 12 INCH, HDPE SDR11, DIRECTIONAL BORE
1	EA	GATE VALVE AND WELL, 12 INCH
2	EA	FIRE HYDRANT ASSEMBLY
2	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
2	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
11+38	Water 608.44	Storm 613.50	5.06'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:

CONTRACTOR WILL PLACE PIPE JOINTS AT MAXIMUM DISTANCE FROM UTILITY CROSSINGS (TYP).

REV#	DATE	DESCRIPTION	BY

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25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN &
PROFILE - WICK STA 0+00 TO 8+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

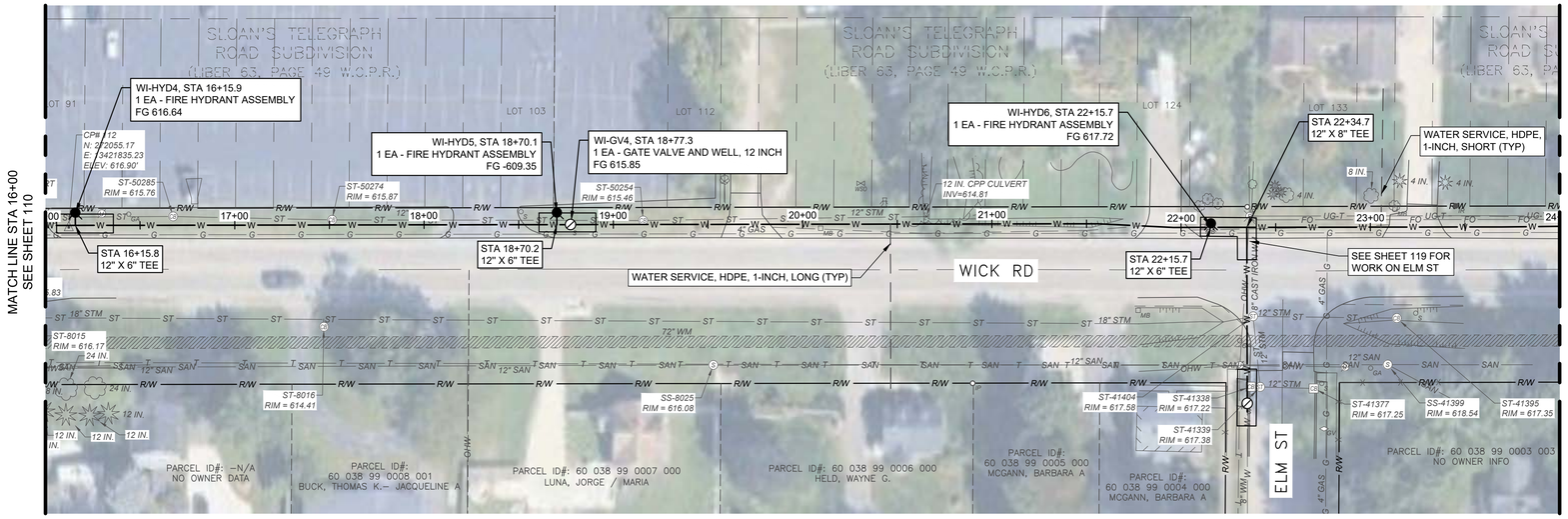
SHEET 110

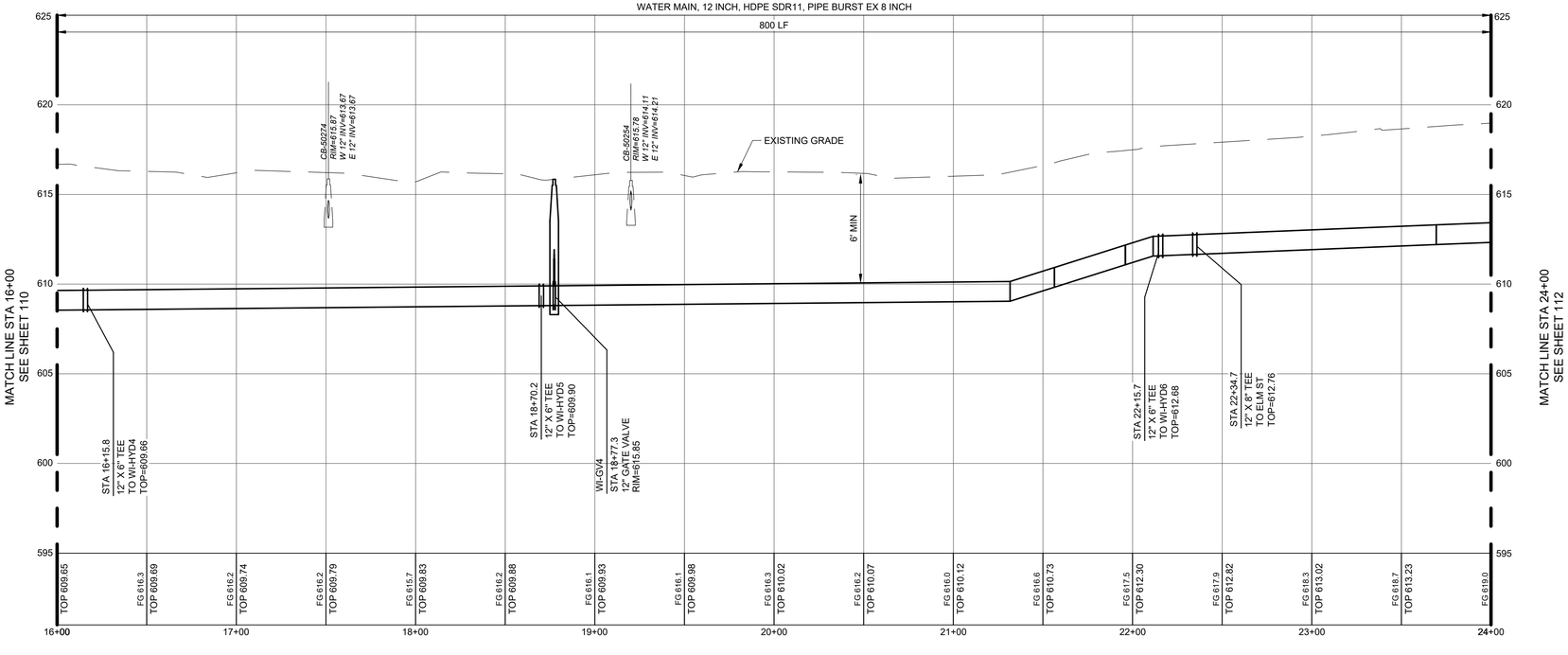
2025 WATER MAIN REHABILITATION DESIGN

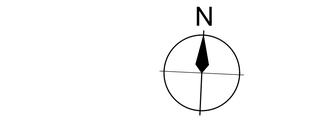
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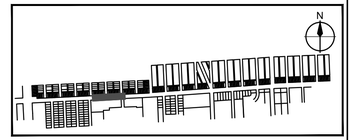
811 Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: K:\WADE TRIM\TAYLOR\TAY3164-23T\CONSTRUCTION\EA\EA-WICK.DWG PLOTTED: 11/6/2026 10:44 AM BY FLANAGAN, MARTIN









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

800	LF	WATER MAIN, 12 INCH, HDPE SDR11, PIPE BURST EX 8 INCH
1	EA	GATE VALVE AND WELL, 12 INCH
3	EA	FIRE HYDRANT ASSEMBLY
5	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
6	EA	WATER SERVICE, HDPE, 1-INCH, LONG
11	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
17+51	Water 609.79	Storm 613.17	3.338'
19+20	Water 609.98	Storm 612.64	2.68'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:
CONTRACTOR WILL PLACE PIPE JOINTS AT MAXIMUM DISTANCE FROM UTILITY CROSSINGS (TYP).

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - WICK STA 0+00 TO 8+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

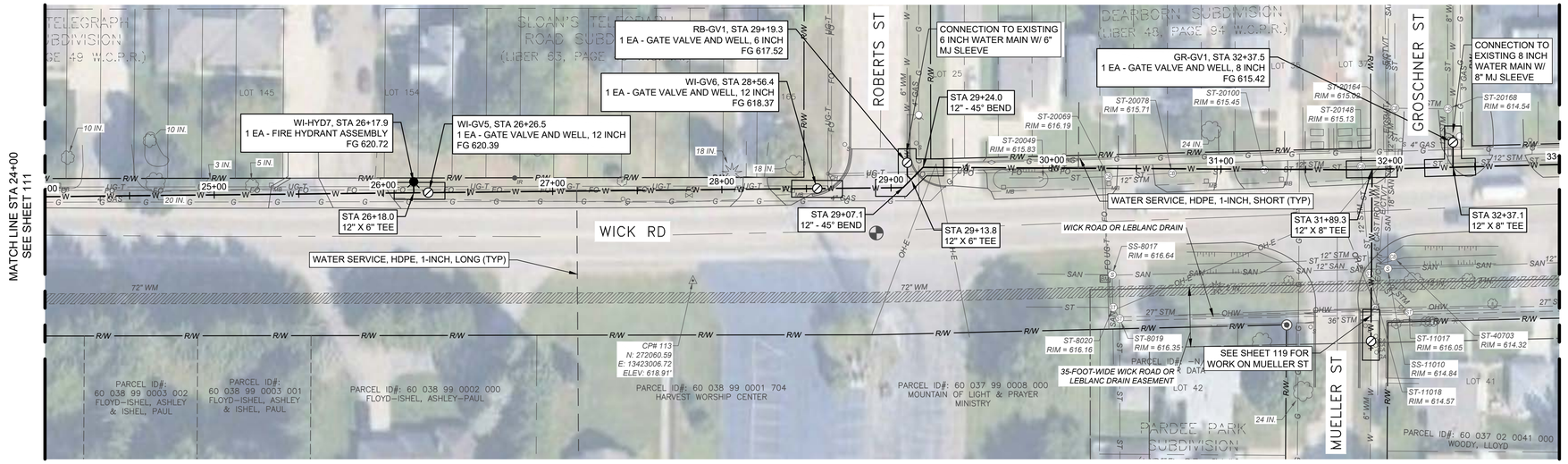
JOB NO. TAY3164-23T

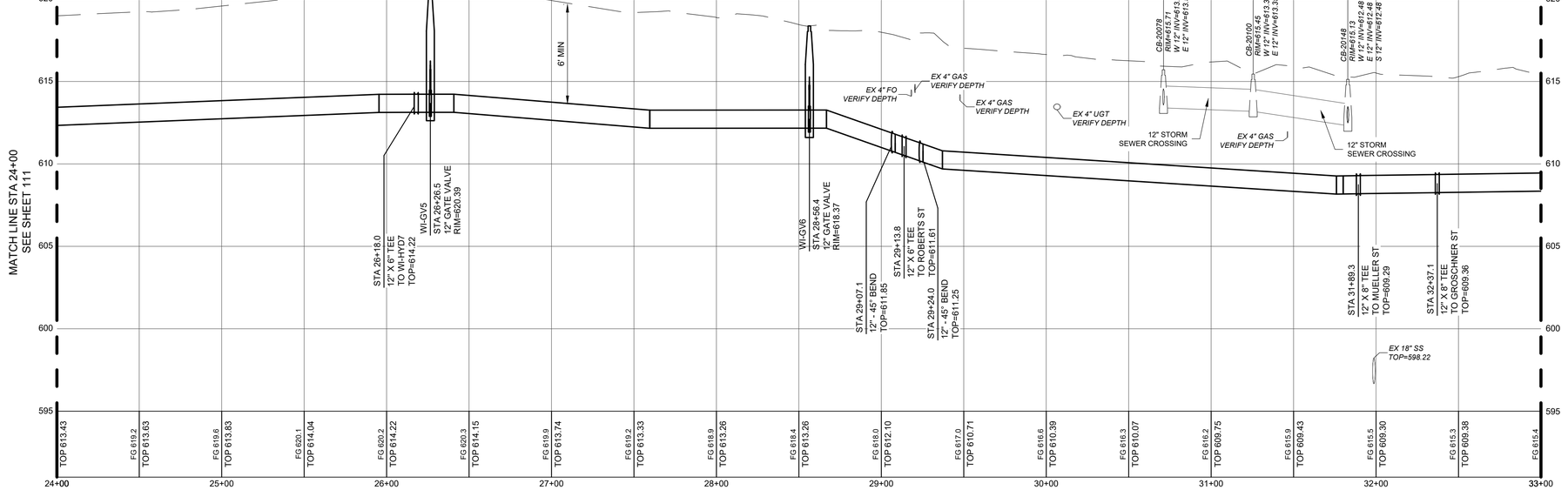
SHEET 111

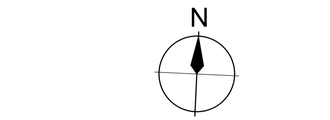
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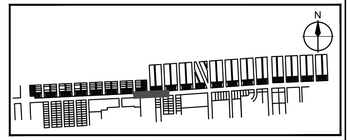
Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MORRIS-ACKLAND
CAD: I:\WADE\ACKLAND\KELLY\TAY3164-23T\CAD\SEA-WICK.DWG PLOTTED: 11/6/2026 10:45 AM BY FLANAGAN, MARTIN









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

1	EA	CONNECTION TO EX 6 INCH WATER MAIN W/ 6" MJ SLEEVE
1	EA	CONNECTION TO EX 8 INCH WATER MAIN W/ 8" MJ SLEEVE
900	LF	WATER MAIN, 12 INCH, HDPE SDR11, PIPE BURST EX 8 INCH
2	EA	GATE VALVE AND WELL, 12 INCH
1	EA	GATE VALVE AND WELL, 8 INCH
1	EA	GATE VALVE AND WELL, 6 INCH
1	EA	FIRE HYDRANT ASSEMBLY
9	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
2	EA	WATER SERVICE, HDPE, 1-INCH, LONG
11	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
30+71	Water 609.98	Storm 613.04	3.06'
31+25	Water 609.65	Storm 612.84	3.19'
31+83	Water 609.28	Storm 611.97	2.69'
31+98	Water 609.32	Storm 612.57	3.25'
31+99	Sanitary 598.22	Water 608.19	9.97'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:
CONTRACTOR WILL PLACE PIPE JOINTS AT MAXIMUM DISTANCE FROM UTILITY CROSSINGS (TYP).

Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCNISH-SCHLAND
DESIGNED: AHMAD MOHAMMADI | DRAWN BY: KMA/EAK/HCD | CHECKED BY: KMA/EAK-WICK.DWG PLOTTED: 11/6/2026 10:45 AM BY FLANAGAN, MARTIN

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN &
PROFILE - WICK STA 0+00 TO 8+00

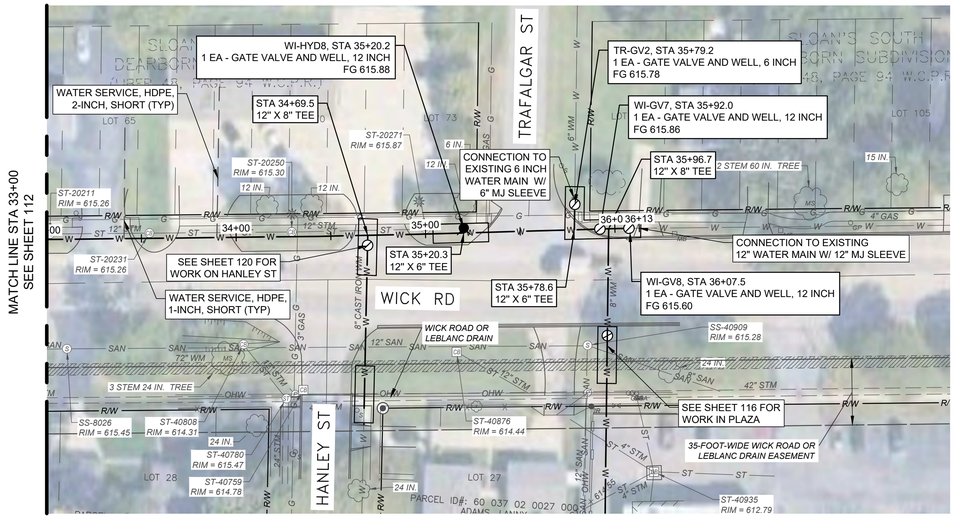
ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

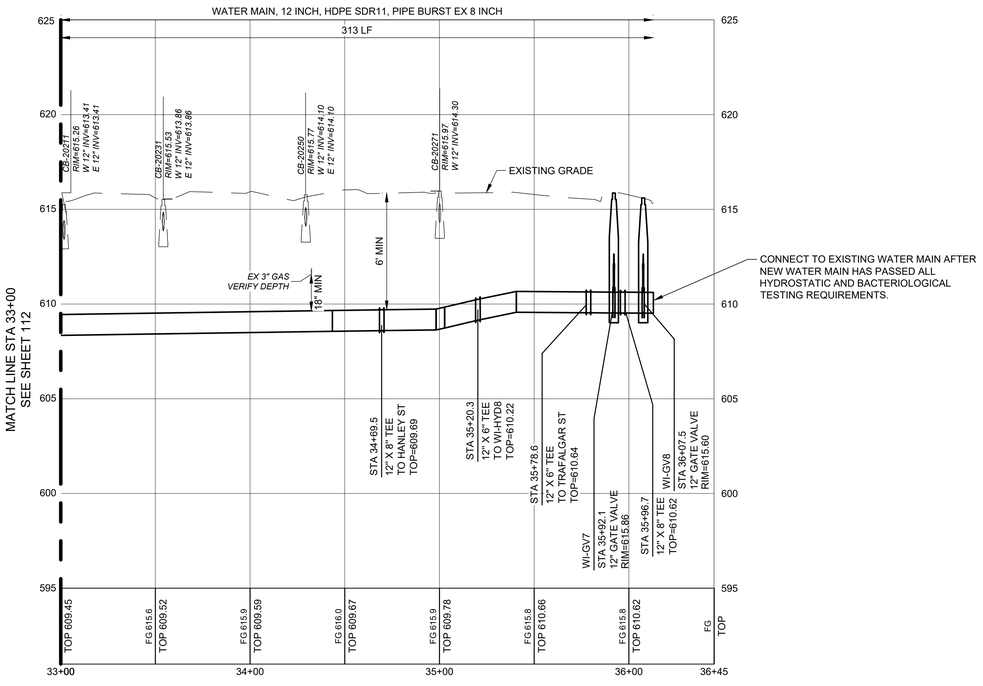
JOB NO.
TAY3164-23T

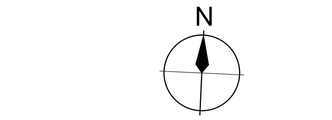
SHEET
112

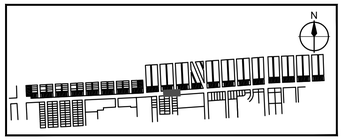
2025 WATER MAIN REHABILITATION DESIGN

© Wade Trim Group, Inc.









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

1	EA	CONNECTION TO EX 12 INCH WATER MAIN W/ 12" MJ SLEEVE
1	EA	CONNECTION TO EX 6 INCH WATER MAIN W/ 6" MJ SLEEVE
313	LF	WATER MAIN, 12 INCH, HDPE SDR11, PIPE BURST EX 8 INCH
1	EA	GATE VALVE AND WELL, 12 INCH
1	EA	GATE VALVE AND WELL, 6 INCH
1	EA	FIRE HYDRANT ASSEMBLY
1	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
1	EA	WATER SERVICE, HDPE, 2-INCH, SHORT
1	EA	CURB STOP AND BOX, 1 INCH
1	EA	CURB STOP AND BOX, 2 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
33+02	Water 609.43	Storm 612.90	3.47'
33+54	Water 609.52	Storm 613.02	3.5'
34+29	Water 609.63	Storm 613.24	3.61'
35+00	Water 609.78	Storm 613.46	3.68'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:
CONTRACTOR WILL PLACE PIPE JOINTS AT MAXIMUM DISTANCE FROM UTILITY CROSSINGS (TYP).

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - WICK STA 0+00 TO 8+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

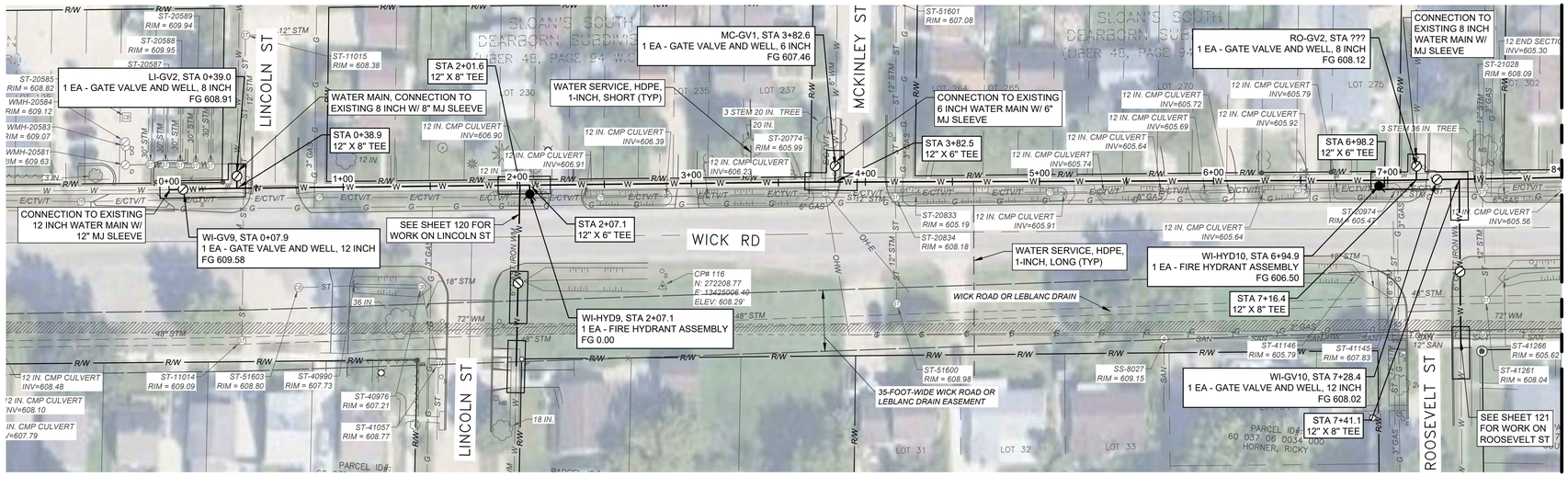
SHEET 113

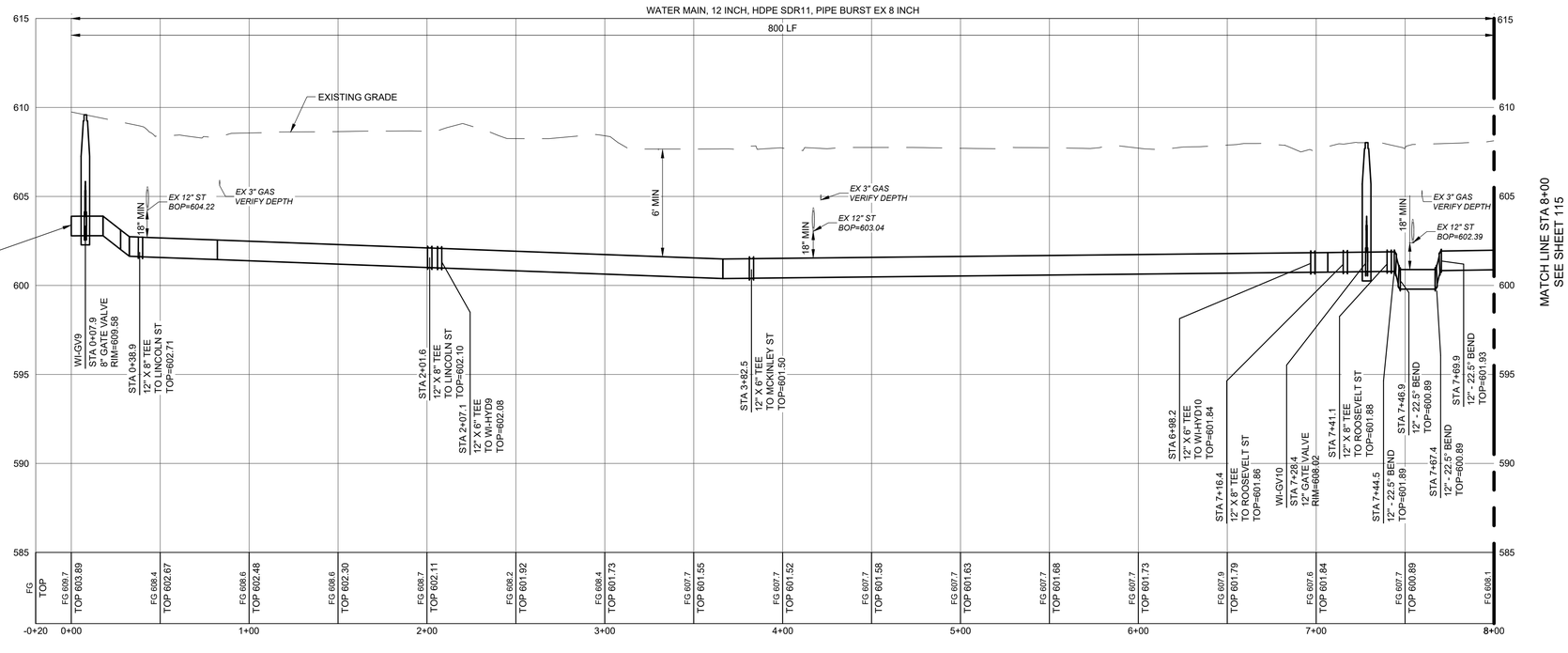
© Wade Trim Group, Inc.

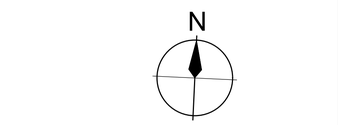
2025 WATER MAIN REHABILITATION DESIGN

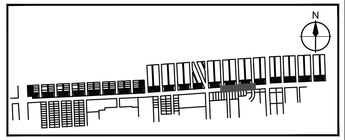
811 Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCROBB-ACKLAND
PREPARED BY: KRISTA MARTIN
DWG: I:\WADE\ACKLAND\KMARTIN\TAY3164-23\DRAWINGS\BASE\BASE-WICK.DWG PLOTTED: 11/6/2026 10:45 AM BY FLANAGAN, MARTIN









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

1	EA	CONNECTION TO EX 12 INCH WATER MAIN W/ 12" MJ SLEEVE
2	EA	CONNECTION TO EX 8 INCH WATER MAIN W/ 8" MJ SLEEVE
1	EA	CONNECTION TO EX 6 INCH WATER MAIN W/ 6" MJ SLEEVE
800	LF	WATER MAIN, 12 INCH, HDPE SDR11, PIPE BURST EX 8 INCH
10	LF	STEEL CASING PIPE, 18 INCH
2	EA	GATE VALVE AND WELL, 12 INCH
2	EA	GATE VALVE AND WELL, 8 INCH
1	EA	GATE VALVE AND WELL, 6 INCH
2	EA	FIRE HYDRANT ASSEMBLY
11	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
6	EA	WATER SERVICE, HDPE, 1-INCH, LONG
17	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
0+43	Water 602.70	Storm 604.22*	1.51'
4+17	Water 601.54	Storm 603.04*	1.5'
7+54	Water 600.87	Storm 602.39*	1.52'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:
CONTRACTOR WILL PLACE PIPE JOINTS AT MAXIMUM DISTANCE FROM UTILITY CROSSINGS (TYP).

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - WICK STA 0+00 TO 8+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

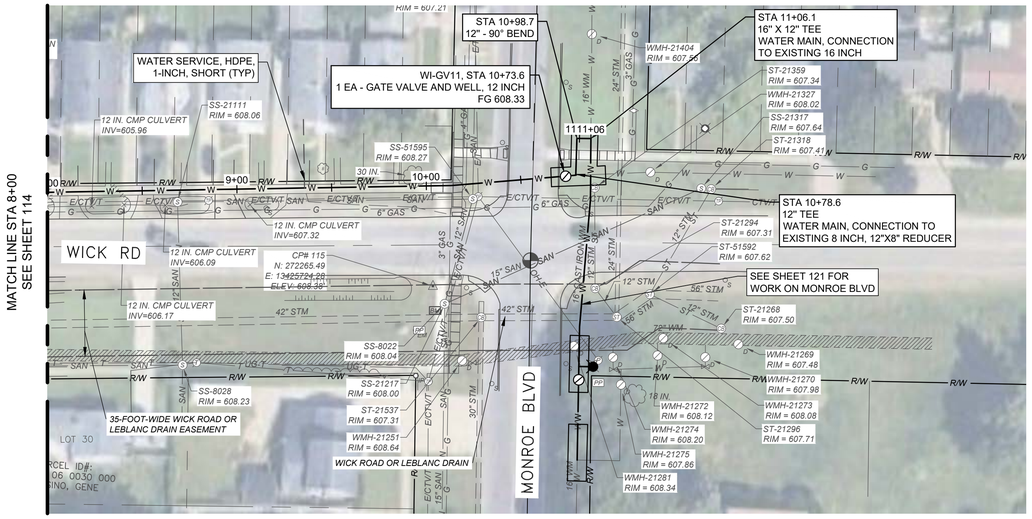
JOB NO. TAY3164-23T

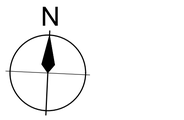
SHEET 114

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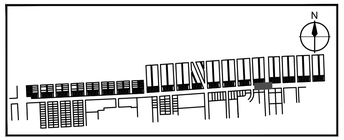
811 Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MORRIS-ACKLAND
CAD: I:\WADE\ACKLAND\KMORRIS-ACKLAND\WICK\SHEEA-WICK.DWG PLOTTED: 11/6/2026 10:45 AM BY FLANAGAN, MARTIN





HORIZONTAL SCALE IN FEET
40 20 0 40 80
4 2 0 4 8
VERTICAL SCALE IN FEET



KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

1	EA	CONNECTION TO EX 16 INCH WM W/ 16"X 12" TEE,
1	EA	CONNECTION TO EX 8 INCH WM W/ 12" TEE, 12"X8" REDUCER
306	LF	WATER MAIN, 12 INCH, HDPE SDR11, PIPE BURST EX 8 INCH
1	EA	GATE VALVE AND WELL, 12 INCH
4	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
4	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
10+25	Storm 595.67	Water 601.26	5.59'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:
CONTRACTOR WILL PLACE PIPE JOINTS AT MAXIMUM DISTANCE FROM UTILITY CROSSINGS (TYP).

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
23251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN &
PROFILE - WICK STA 0+00 TO 8+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

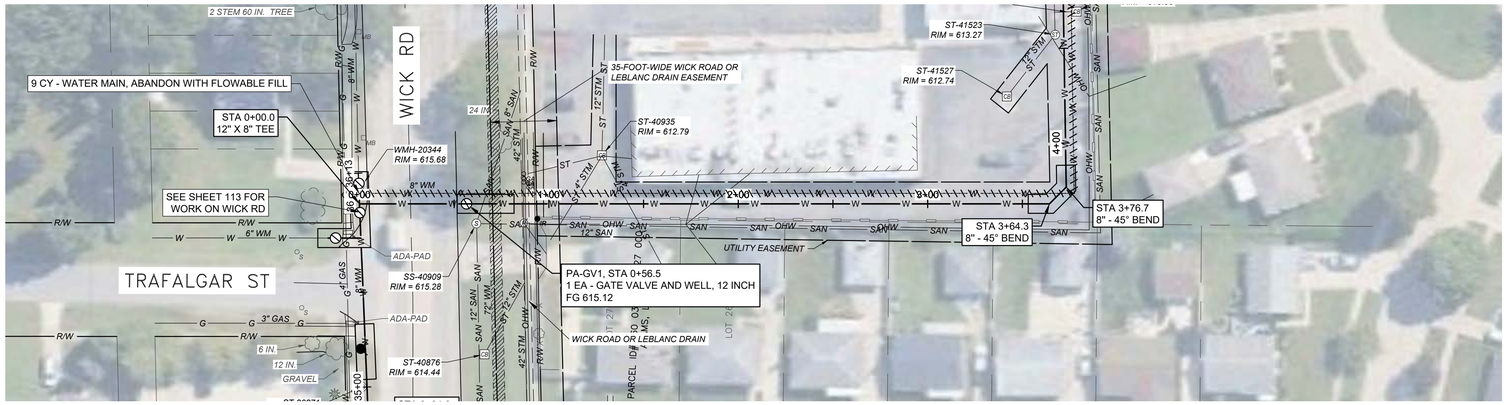
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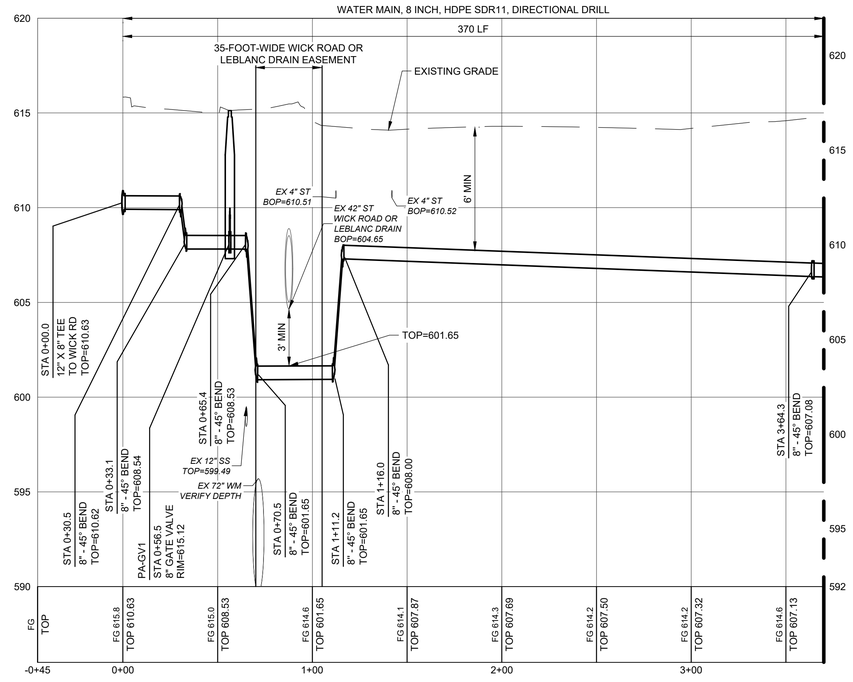
2025 WATER MAIN REHABILITATION DESIGN

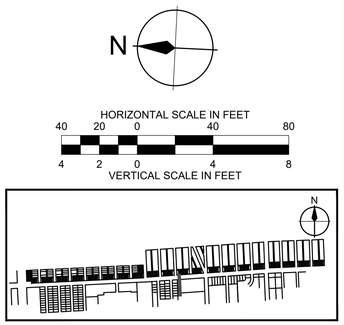
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811 Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MORRIS-ACKLAND
CAD: I:\WADE\ACKLAND\KELLY\CHANGE AREA\WICK.DWG PLOTTED: 11/6/2026 10:45 AM BY FLANAGAN, MARTIN







SUMMARY OF QUANTITIES THIS SHEET

9	CY	WATER MAIN, ABANDON WITH FLOWABLE FILL
370	LF	WATER MAIN, 8 INCH, HDPE SDR11, DIRECTIONAL DRILL
1	EA	GATE VALVE AND WELL, 8 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
0+65	Sanitary 599.49	Water 607.54	8.05'
0+88	Water 601.65	Storm 604.65*	3'
1+12	Water 608.13	Storm 610.51	2.38'
1+42	Water 608.04	Storm 610.52	2.48'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY

NOTE:
CONTRACTOR WILL PLACE PIPE JOINTS AT MAXIMUM DISTANCE FROM UTILITY CROSSINGS (TYP).

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - WICK PZA STA 0+00 TO 3+77.5

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

SHEET 116

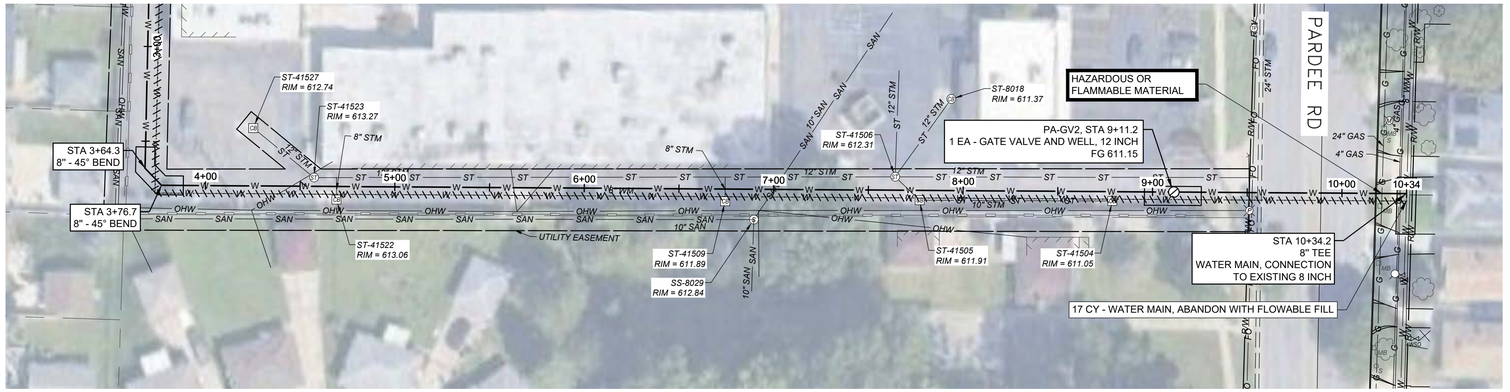
2025 WATER MAIN REHABILITATION DESIGN

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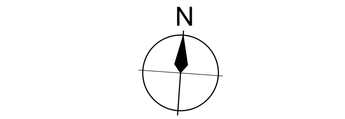
Know what's below. Call before you dig.

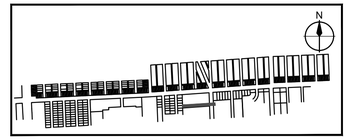
PROJECT MANAGER: JEELY MCROBB-ACKLAND
CAD: N:\WADE ROAD\PROJECTS\WICK-PARKING LOT.DWG PLOTTED 11/6/2026 10:45 AM BY FLANAGAN, MARTIN

MATCH LINE STA 3+70
SEE SHEET 116



MATCH LINE STA 3+70
SEE SHEET 116





KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

17	CY	WATER MAIN, ABANDON WITH FLOWABLE FILL
1	EA	CONNECTION TO EX 8 INCH WM W/ X 8" TEE
660	LF	WATER MAIN, 8 INCH, HDPE SDR11, DIRECTIONAL DRILL
1	EA	GATE VALVE AND WELL, 8 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
4+57	Water 606.79	Storm 609.20	2.41'
4+68	Water 606.75	Storm 609.76	3.01'
6+74	Water 606.11	Storm 607.65*	1.55'
7+00	Sanitary 603.13*	Water 604.97	1.84'
7+71	Water 604.72	Storm 606.63*	1.91'
9+56	Water 602.53	Storm 604.03*	1.5'

*BASED ON BEST AVAILABLE INFORMATION.
CONTRACTOR TO FIELD VERIFY

NOTE:
CONTRACTOR WILL PLACE PIPE JOINTS AT MAXIMUM DISTANCE FROM UTILITY CROSSINGS (TYP).

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
117 - PROPOSED WATER MAIN PLAN & PROFILE - WICK PZA STA 3+77 TO 10+38

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

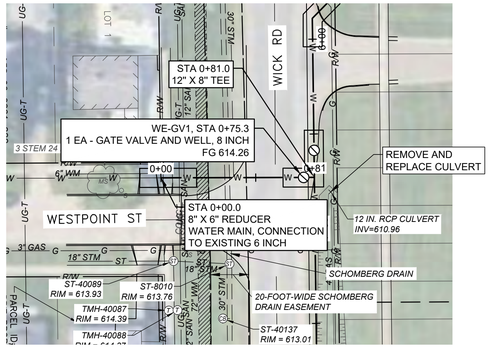
SHEET
117

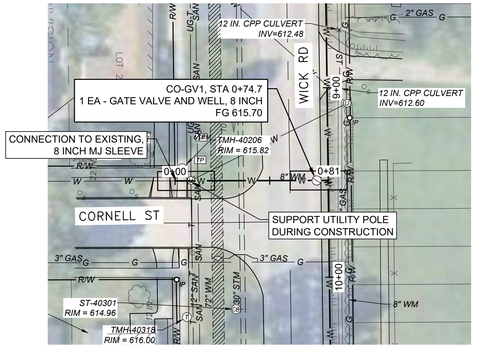
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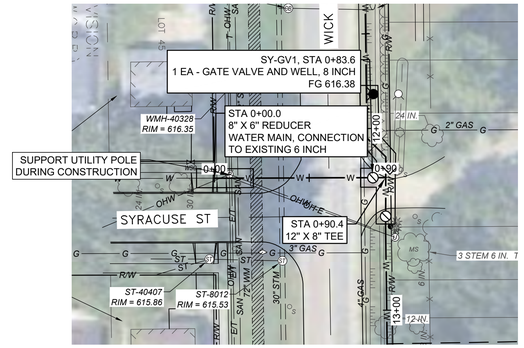
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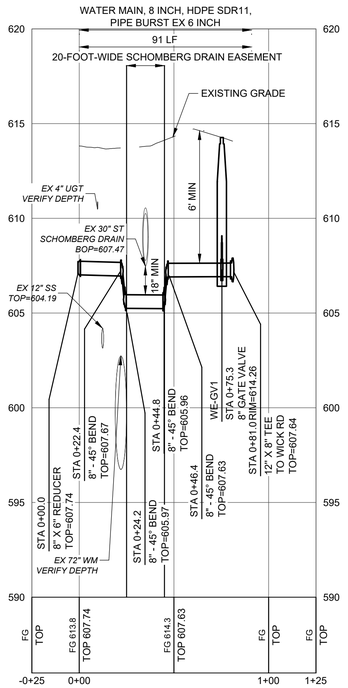
Know what's below.
Call before you dig.

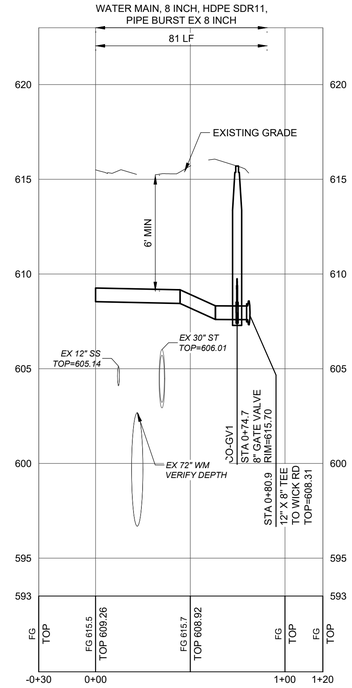
PROJECT MANAGER: KELLY MCROBB-ACKLAND
DESIGNER: AMANDA MARSHALL-CHURCH-PARKING-LOT.DWG PLOTTED 11/6/2026 10:45 AM BY FLANIGAN, MARTIN

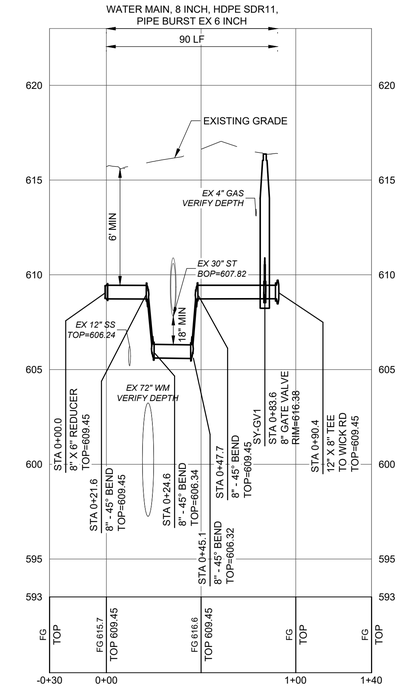








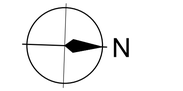




WESTPOINT ST

CORNELL ST

SYRACUSE ST



HORIZONTAL SCALE IN FEET
40 20 0 40 80
4 2 0 4 8
VERTICAL SCALE IN FEET

SUMMARY OF QUANTITIES THIS SHEET

1	EA	CONNECTION TO EX 8 INCH WM W/ 8" MJ SLEEVE
2	EA	CONNECTION TO EX 6 INCH WM W/ 8" X 6" REDUCER
171	LF	WATER MAIN, 8 INCH, HDPE SDR11, PIPE BURST EX 6 INCH
91	LF	WATER MAIN, 8 INCH, HDPE SDR11, PIPE BURST EX 8 INCH
3	EA	GATE VALVE AND WELL, 8 INCH

WESTPOINT STREET

Crossing Table			
Station	TOP	BOP	Crossing Distance
0+12	Sanitary 604.19	Water 606.98	2.79'
0+35	Water 605.97	Storm 607.47*	1.5'

CORNELL STREET

Crossing Table			
Station	TOP	BOP	Crossing Distance
0+12	Sanitary 605.14	Water 607.68	2.54'
0+35	Storm 608.01	Water 607.68*	1.67'

SYRACUSE STREET

Crossing Table			
Station	TOP	BOP	Crossing Distance
0+12	Sanitary 605.24	Water 608.73	2.54'
0+35	Water 606.32	Storm 607.82*	1.5'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY

NOTE:
CONTRACTOR WILL PLACE PIPE JOINTS AT MAXIMUM DISTANCE FROM UTILITY CROSSINGS (TYP).

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - WICK XING 1

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

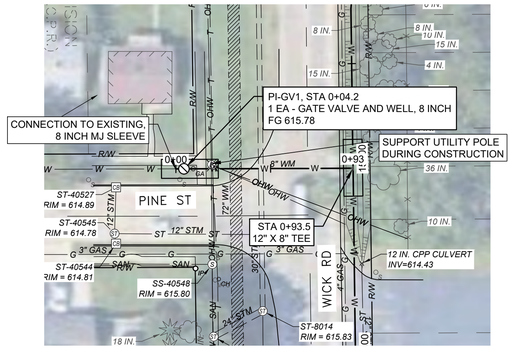
SHEET
118

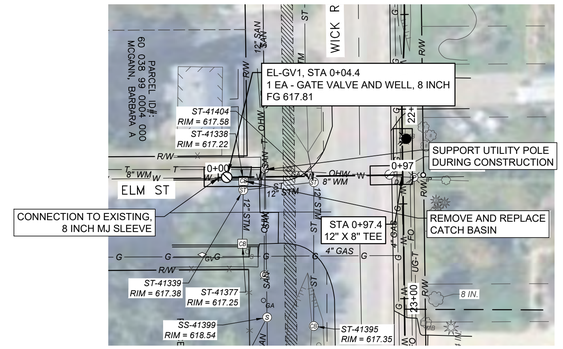
2025 WATER MAIN REHABILITATION DESIGN

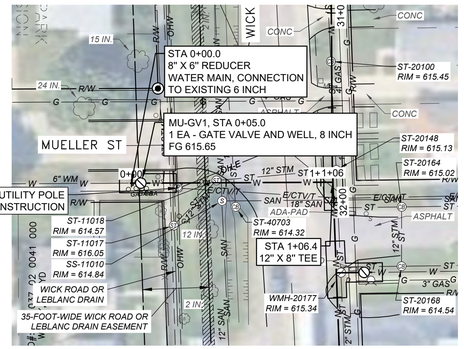
© Wade Trim Group, Inc.

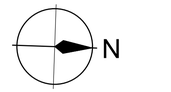
811 Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCROBB-MCFLAND
DESIGNED: AMANDA HOWARD | DRAWN: CHRISTIAN CROSS | CHECKED: CROSSINGS.DWG PLOTTED 11/6/2026 10:46 AM BY FLANAGAN, MARTIN









HORIZONTAL SCALE IN FEET
40 20 0 40 80
4 2 0 4 8
VERTICAL SCALE IN FEET

SUMMARY OF QUANTITIES THIS SHEET

2	EA	CONNECTION TO EX 8 INCH WM W/ 8" MJ SLEEVE
1	EA	CONNECTION TO EX 6 INCH WM W/ 8" X 6" REDUCER
106	LF	WATER MAIN, 8 INCH, HDPE SDR11, PIPE BURST EX 6 INCH
191	LF	WATER MAIN, 8 INCH, HDPE SDR11, PIPE BURST EX 8 INCH
3	EA	GATE VALVE AND WELL, 8 INCH

PINE STREET

Crossing Table			
Station	TOP	BOP	Crossing Distance
0+45	Water 607.20	Storm 608.70*	1.5'

ELM STREET

Crossing Table			
Station	TOP	BOP	Crossing Distance
0+13	Water 611.49	Storm 614.06	2.57'
0+25	Sanitary 604.92	Water 610.77	5.85'
0+50	Water 608.56	Storm 610.47*	1.91'

MUELLER STREET

Crossing Table			
Station	TOP	BOP	Crossing Distance
0+22	Water 604.74	Storm 606.25*	1.51'
0+45	Water 604.66	Storm 610.30*	5.64'
0+48	Sanitary 597.90	Water 603.94	6.04'
0+54	Water 609.41	Storm 612.15	2.74'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY

NOTE:
CONTRACTOR WILL PLACE PIPE JOINTS AT MAXIMUM DISTANCE FROM UTILITY CROSSINGS (TYP).

PINE ST

ELM ST

MUELLER ST

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

PROJECT MANAGER: KELLY MCROBB-RICHLAND
DESIGNER: AMANDA HOWES-CORRECTIONCROSSINGS.DWG PLOTTED 11/6/2026 10:46 AM BY FLANAGAN, MARTIN

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
23251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - WICK XING 2

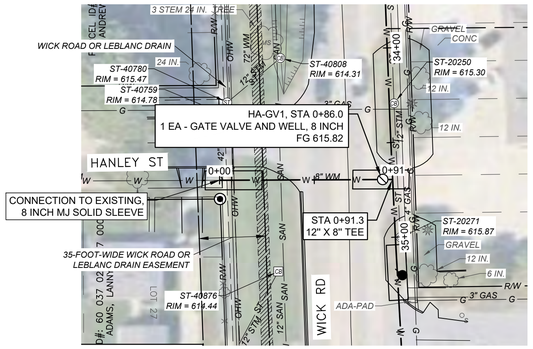
ISSUED FOR: BID
DATE: 11/10/26
BY: KMA

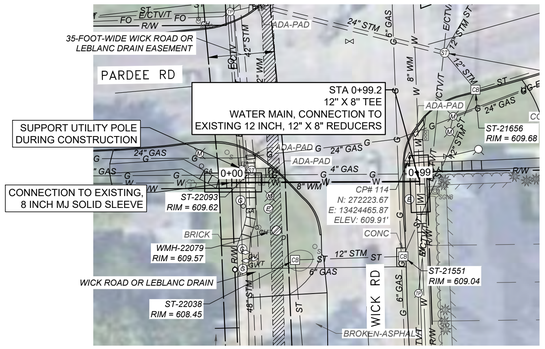
JOB NO. TAY3164-23T

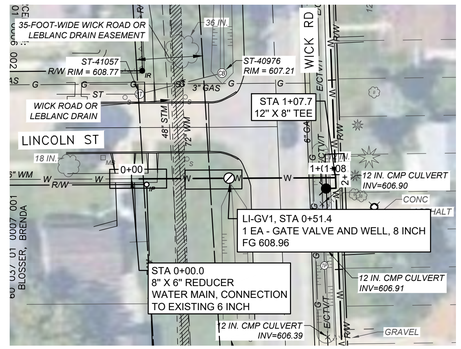
SHEET 119

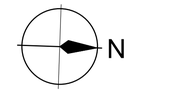
2025 WATER MAIN REHABILITATION DESIGN

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HORIZONTAL SCALE IN FEET
40 20 0 40 80
4 2 0 4 8
VERTICAL SCALE IN FEET

SUMMARY OF QUANTITIES THIS SHEET

2	EA	CONNECTION TO EX 8 INCH WM W/ 8" MJ SLEEVE
1	EA	CONNECTION TO EX 6 INCH WM W/ 8" X 6" REDUCER
108	LF	WATER MAIN, 8 INCH, HDPE SDR11, PIPE BURST EX 6 INCH
190	LF	WATER MAIN, 8 INCH, HDPE SDR11, PIPE BURST EX 8 INCH
2	EA	GATE VALVE AND WELL, 8 INCH

HANLEY STREET

Crossing Table			
Station	TOP	BOP	Crossing Distance
0+06	Storm 608.93*	Water 610.43	1.5'
0+32	Sanitary 599.23	Water 608.93	9.7'

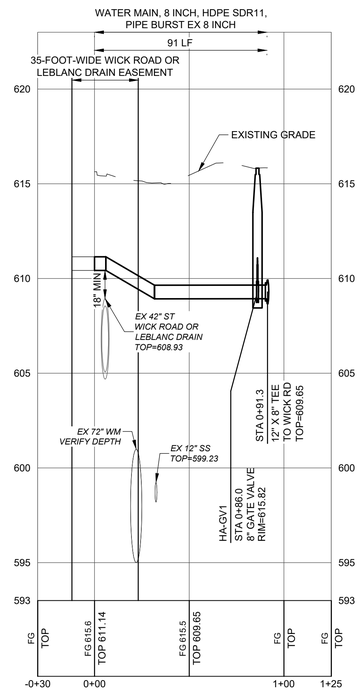
PARDEE STREET

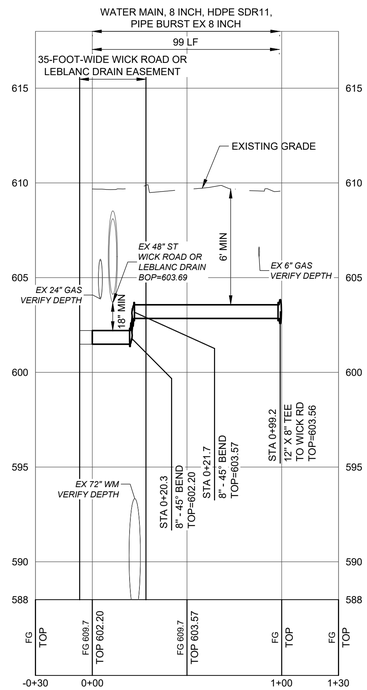
Crossing Table			
Station	TOP	BOP	Crossing Distance
0+11	Water 602.20	Storm 603.69*	1.51'

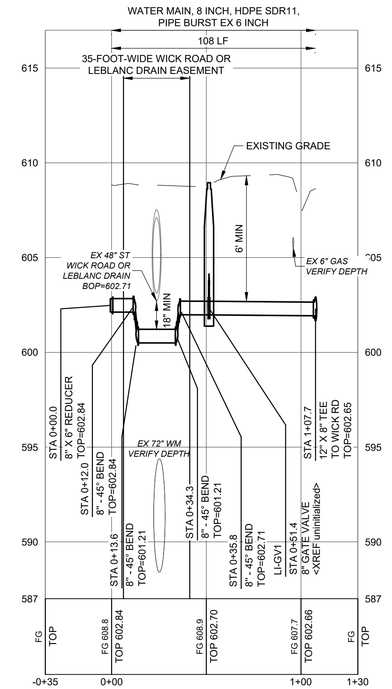
LINCOLN STREET

Crossing Table			
Station	TOP	BOP	Crossing Distance
0+24	Water 601.21	Storm 602.71*	1.5'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY







NOTE:
CONTRACTOR WILL PLACE PIPE JOINTS AT MAXIMUM DISTANCE FROM UTILITY CROSSINGS (TYP).

HANLEY ST

PARDEE RD

LINCOLN ST

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

PROJECT MANAGER: KELLY MCROBB-ACKLAND
DESIGNER: AMANDA BOSSER | CONNECTIONCROSSINGS.DWG PLOTTED 11/6/2026 10:47 AM BY FLANAGAN, MARTIN

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - WICK XING 3

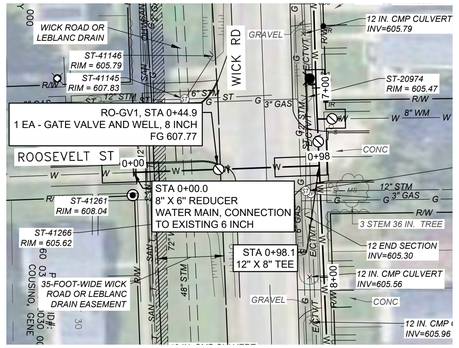
ISSUED FOR: BID
DATE: 11/10/26
BY: KMA

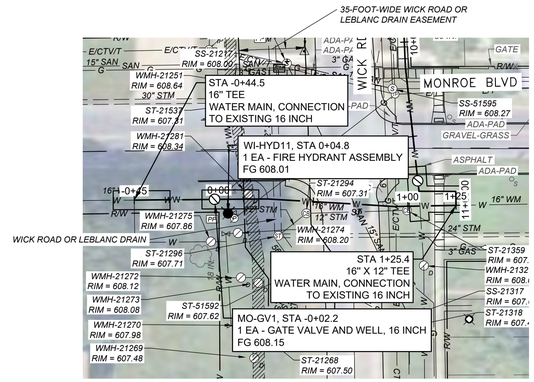
JOB NO. TAY3164-23T

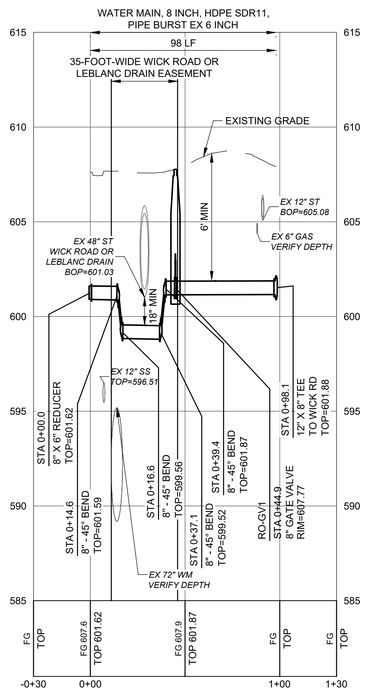
SHEET 120

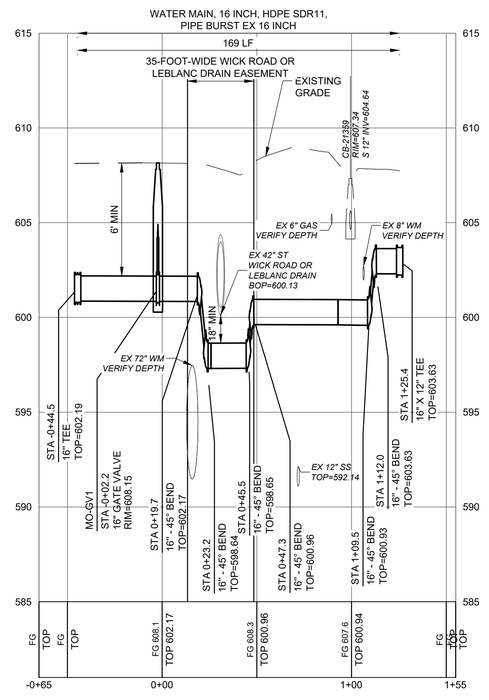
2025 WATER MAIN REHABILITATION DESIGN

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ROOSEVELT ST

MONROE BLVD

SUMMARY OF QUANTITIES THIS SHEET

1	EA	CONNECTION TO EX 6 INCH WM W/ 8" X 6" REDUCER
2	EA	CONNECTION TO EX 16 INCH WM/ 16" MJ SLEEVE
98	LF	WATER MAIN, 8 INCH, HDPE SDR11, PIPE BURST EX 6 INCH
169	LF	WATER MAIN, 16 INCH, HDPE SDR11, PIPE BURST EX 16 INCH
1	EA	GATE VALVE AND WELL, 8 INCH
1	EA	GATE VALVE AND WELL, 16 INCH

ROOSEVELT STREET

Crossing Table			
Station	TOP	BOP	Crossing Distance
0+07	Sanitary 596.51	Water 600.90	4.39'
0+29	Water 599.53	Storm 601.03*	1.5'
0+91	Water 601.88	Storm 605.08	3.2'

MONROE STREET

Crossing Table			
Station	TOP	BOP	Crossing Distance
0+31	Water 598.63	Storm 600.13*	1.5'
0+72	Sanitary 592.14	Water 599.11	6.97'
0+99	Water 600.93	Storm 604.14	3.21'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY

NOTE:
CONTRACTOR WILL PLACE PIPE JOINTS AT MAXIMUM DISTANCE FROM UTILITY CROSSINGS (TYP).

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - WICK XING 4

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

SHEET 121

2025 WATER MAIN REHABILITATION DESIGN

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

PROJECT MANAGER: KELLY MCBRIDE-ACKLAND
C:\WORKING\TAY3164-23T\CAD\ROOSEVELT-MONROE-WICKCROSSINGS.DWG PLOTTED: 11/6/2026 10:47 AM BY FLANAGAN, MARTIN

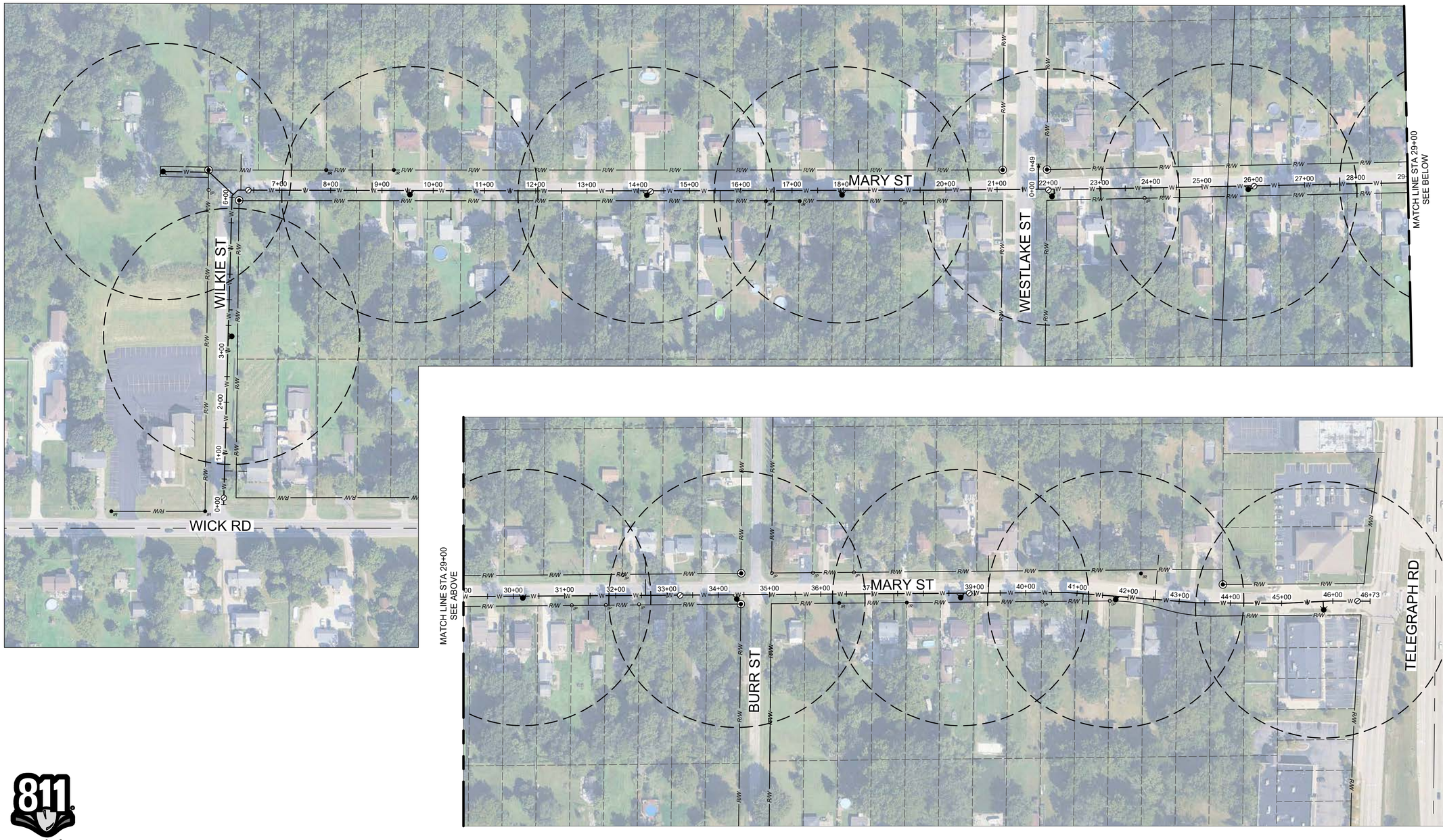
WILKIE	REMOVAL & SESC SHEET 125 PROPOSED PLAN & PROFILE SHEETS 126	
MARY	REMOVAL & SESC SHEET 127, 128, 129 PROPOSED PLAN & PROFILE SHEETS 130, 131, 133, 132,	
134, 135		

LEGEND

- W W — PROPOSED WATER MAIN
- — — — — — PROPOSED HYDRANT COVERAGE
- ⊘ PROPOSED GATE VALVE AND WELL
- PROPOSED HYDRANT

N

HORIZONTAL SCALE IN FEET
100 50 0 100 200



Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCNABB-RICHLAND
CITY AREA MAPS\2025\TAY3164-23T\CAD\OVERALL-MARY.DWG PLOTTED 11/6/2026 10:47 AM BY FLANAGAN, MARTIN

REV#	DATE	DESCRIPTION	BY

WADE TRIM
Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
OVERALL PLAN - AREA 4 MARY STREET

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

SHEET
122

2025 WATER MAIN REHABILITATION DESIGN

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HASKELL REMOVAL & SESC SHEET 137, 138
PROPOSED PLAN & PROFILE SHEETS 139, 140, 141

LEGEND

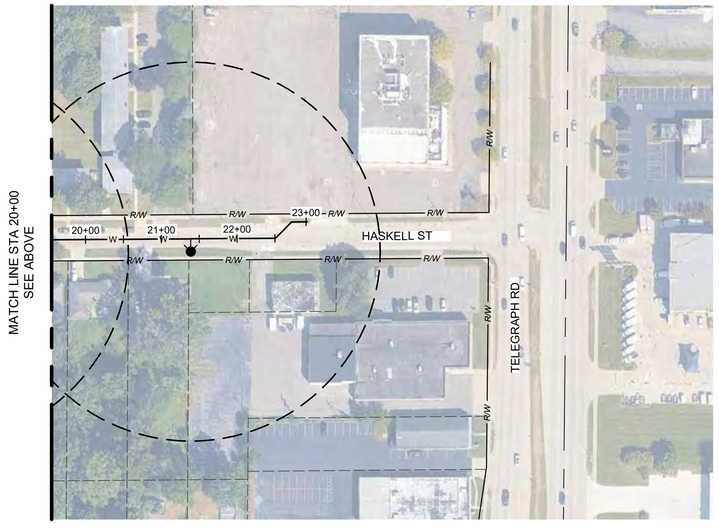
- PROPOSED WATER MAIN
- PROPOSED HYDRANT COVERAGE
- PROPOSED GATE VALVE AND WELL
- PROPOSED HYDRANT

N

HORIZONTAL SCALE IN FEET
100 50 0 100 200



MATCH LINE STA 20+00
SEE BELOW



Know what's below.
Call before you dig.

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN

OVERALL PLAN - AREA 4 HASKELL STREET

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

SHEET
123

2025 WATER MAIN REHABILITATION DESIGN

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PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: J:\WADE\TAY\3164-23T\CAD\OVERALL-HASKELL.DWG PLOTTED 11/6/2026 10:47 AM BY FLANAGAN, MARTIN

AREA 4 - MARY STREET STRUCTURES

CB-20012
RIM=614.944
12.0 RCP S INV = 611.344

CB-20013
RIM=614.926
12.0 RCP S INV = 611.126

CB-20014
RIM=614.969
12.0 RCP N INV = 611.169
12.0 RCP ESE INV = 611.069

CB-20050
RIM=615.131
NPV

CB-20076
RIM=614.651
NPV

CB-20081
RIM=614.602
NPV

CB-20101
RIM=614.569
12.0 RCP W INV = 611.369
12.0 RCP NE INV = 611.369

CB-20105
RIM=614.549
12.0 RCP E INV = 611.449

CB-20136
RIM=614.447
NPV

CB-20177
RIM=615.011
NPV

CB-20235
RIM=615.896
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CB-20908
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CB-20941
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12.0 CMP W INV = 613.412

CB-21043
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CB-21047
RIM=614.681
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CB-21117
RIM=614.904
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CB-21124
RIM=615.254
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CB-21160
RIM=617.655
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12.0 CPP N INV = 615.655

CB-21444
RIM=618.299
12.0 CMP E INV = 616.199
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CB-21477
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12.0 CPP E INV = 616.873
12.0 CPP W INV = 616.873

CB-21581
RIM=621.158
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CB-21784
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CB-22612
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CB-22671
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CB-22693
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CB-22796
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CB-22812
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CB-22838
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CB-23912
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SS-20033
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24.0 RCP S INV = 597.756

SS-20709
RIM=619.112
10.0 RCP E INV = 601.912
10.0 RCP W INV = 601.962

SS-20804
RIM=622.435
12.0 RCP ESE INV = 601.035
10.0 RCP W INV = 601.085

SS-20949
RIM=615.579
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12.0 CLAY BULKHEADED S INV = 599.779
12.0 CLAY WEST INV = 599.479

SS-21030
RIM=615.486
NPV

SS-21952
RIM=618.456
10.0 RCP E INV = 605.506
10.0 RCP W INV = 605.556

SS-22218
RIM=617.692
10.0 RCP E INV = 603.792
10.0 RCP W INV = 603.842

SS-22272
RIM=618.228
10.0 RCP E INV = 602.828
10.0 RCP W INV = 602.878

SS-22957
RIM=619.828
10.0 RCP E INV = 606.928
10.0 RCP W INV = 606.978
10.0 PVC N INV = 607.628
10.0 CLAY S INV = 607.078

SS-23123
RIM=619.73
10.0 RCP E INV = 607.83
10.0 RCP W INV = 607.88

SS-23252
RIM=620.476
10.0 RCP E INV = 608.776
10.0 RCP W INV = 608.876

SS-23329
RIM=620.509
10.0 RCP E INV = 609.609
10.0 RCP W INV = 609.659

SS-23408
RIM=621.539
10.0 RCP E INV = 610.589
10.0 RCP W INV = 610.639

SS-23476
RIM=620.147
10.0 RCP E INV = 611.447
10.0 RCP W INV = 611.447

SS-23902
RIM=616.789
12.0 CLAY E INV = 599.739
12.0 PVC WNW INV = 599.989
10.0 CLAY N INV = 599.889

SS-23904
RIM=623.191
10.0 RCP N INV = 614.841
10.0 RCP S INV = 614.841

SS-23908
RIM=618.097
10.0 PVC S INV = 609.197
10.0 PVC N INV = 609.247

SS-23909
RIM=617.148
10.0 RCP S INV = 609.548
10.0 RCP N INV = 609.548

SS-23913
RIM=619.262
10.0 RCP S INV = 601.112
10.0 RCP N INV = 601.212

ST-20004
RIM=616.481
NPV

ST-20026
RIM=615.949
12.0 RCP N INV = 611.149
12.0 RCP WNW INV = 611.149

ST-20234
RIM=616.01
12.0 CMP W INV = 614.31

ST-21735
RIM=620.13
12.0 RCP SSE INV = 615.28
12.0 RCP E INV = 614.63
15.0 RCP N INV = 614.43
12.0 RCP W INV = 614.53

ST-22426
RIM=620.253
12.0 RCP E INV = 614.653
12.0 RCP NW INV = 614.803

ST-23905
RIM=618.315
15.0 RCP N INV = 612.965
15.0 RCP S INV = 613.015

WMH-21044
RIM=614.903
8.0 STEEL E INV =
T/PIPE=606.503

WMH-21739
RIM=620.045
6.0 STEEL EW INV =
T/PIPE=615.545
6.0 STEEL N INV = 615.645

WMH-21742
RIM=620.445
NPV

WMH-23621
RIM=624.516
8.0 STEEL SN INV =
T/PIPE=619.266

WMH-23729
RIM=625.439

AREA 4 - HASKELL STREET STRUCTURES

ST-50046
RIM=621.913
12.0 RCP S INV= 611.913
12.0 RCP E INV= 614.013

WMH-50177
RIM=620.005
8.0 STEEL W TOP= 612.255

CB-50211
RIM=616.338
12.0 RCP W INV= 611.088

ST-50212
RIM=616.523
6.0 STEEL ELBOW IN RCP N INV= 611.473

ST-50223
RIM=617.378
30.0 RCP W INV= 609.428
12.0 RCP E INV= 610.678

ST-50373
RIM=616.002
24.0 RCP W INV= 610.102
12.0 RCP SW INV= 610.352

CB-50380
RIM=614.978
12.0 RCP S INV= 610.478

ST-50455
RIM=616.468
15.0 RCP W INV= 610.468
12.0 RCP SSW INV= 611.518

CB-50546
RIM=614.21
12.0 RCP S INV= 611.56

ST-50547
RIM=615.121
12.0 RCP WSW INV= 611.271

ST-50621
RIM=616.03
12.0 RCP S INV= 612.38

CB-50622
RIM=615.249
12.0 RCP S INV= 612.349

ST-50679
RIM=617.697
15.0 RCP E INV= 611.897

ST-50727
RIM=617.425
24.0 RCP E INV= 611.325
12.0 RCP S INV= 611.275

CB-50728
RIM=617.024
NPV 617.024

ST-50760
RIM=617.291
24.0 RCP W INV= 611.091
18.0 RCP S INV= 611.191
12.0 RCP NNE INV= 612.691

CB-50768
RIM=616.763
12.0 RCP SSW INV= 613.263

ST-20003
RIM=621.39
12.0 RCP S INV= 612.29

SS-20206
RIM=617.082
10.0 RCP W INV= 601.982

CB-20211
RIM=616.255
12.0 RCP N INV= 612.405

ST-20212
RIM=616.339
12.0 RCP S INV= 612.339
12.0 RCP SE INV= 612.639

SS-20311
RIM=618.015
10.0 RCP W INV= 603.015

CB-20420
RIM=614.959
12.0 RCP N INV= 610.509

SS-20437
RIM=616.031
10.0 RCP W INV= 603.831

CB-20605
RIM=616.291
12.0 RCP W INV= 612.591
12.0 CMP E INV= 614.491

SS-20625
RIM=618.238
10.0 RCP S INV= 606.588

CB-20639
RIM=616.46
12.0 CMP S INV= 614.56

SS-20566
RIM=616.753
10.0 RCP S INV= 604.603
12.0 RCP W INV= 604.603

SS-20723
RIM=615.545
10.0 RCP W INV= 605.495

CB-20730
RIM=614.226
12.0 RCP N INV= 611.976

SS-20821
RIM=616.36
10.0 RCP W INV= 606.56

CB-20850
RIM=615.426
12.0 RCP N INV= 612.726

CB-20927
RIM=617.149
4.0 PVC S INV= 616.449

SS-20932
RIM=617.755
10.0 RCP W INV= 607.305

SS-21025
RIM=618.07
10.0 RCP W INV= 608.47

CB-21047
RIM=616.986
NPV 616.986

ST-21111
RIM=617.066
18.0 RCP S INV= 611.866
12.0 RCP BULKHEAD W
INV= 612.166

SS-21147
RIM=617.799
10.0 PVC S INV= 610.799

ST-21197
RIM=617.733
24.0 RCP E INV= 611.133
18.0 RCP SSE INV= 613.933
18.0 RCP SW INV= 611.433
8.0 PVC W INV= 612.133

WMH-21232
RIM=617.797
8.0 STEEL N TOP= 617.797

ST-RTCM0094
RIM=618.165
30.0 RCP S INV= 608.965
15.0 RCP E INV= 610.815

ST-60000
RIM=617.526
24.0 RCP W INV= 610.276

ST-60001
RIM=617.473
36.0 RCP S INV= 610.873
12.0 RCP SW INV= 612.173

WMH-60002
RIM=617.443
8.0 STEEL W TOP= 609.143

ST-60003
RIM=617.473
36.0 RCP N INV= 610.823
36.0 RCP S INV= 610.873
12.0 RCP SW INV= 612.173

WMH-60004
RIM=617.443
8.0 STEEL E TOP= 610.343
8.0 STEEL W 610.343

REV#	DATE	DESCRIPTION	BY

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Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
STRUCTURE TABLE - AREA 4
MARY & HASKELL STREETS

ISSUED FOR: BID
DATE: 11/10/26
BY: KMA

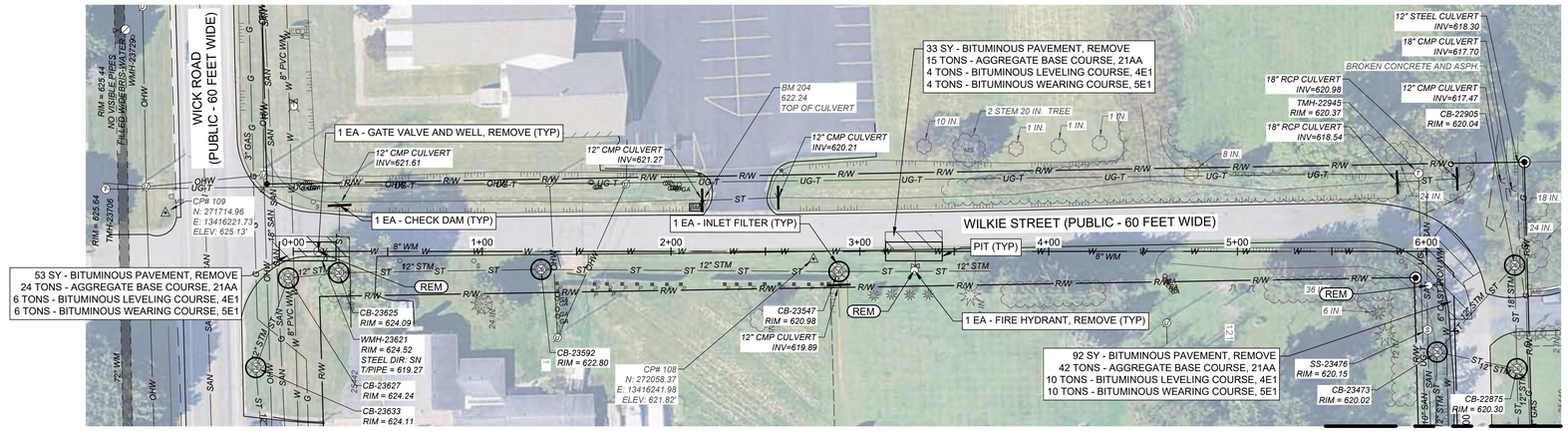
JOB NO.
TAY3164-23T

SHEET
124

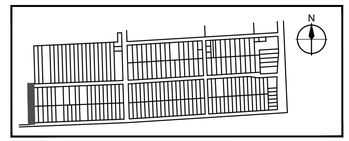
2025 WATER MAIN REHABILITATION DESIGN

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PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: HOWARD ANDERSON/MARTIN FLANIGAN/STRUCTURE TABLES.DWG PLOTTED 11/6/2026 10:48 AM BY FLANIGAN, MARTIN



MATCH LINE STA 7+00
SEE SHEET 127



KEY PLAN

HORIZONTAL SCALE IN FEET
40 20 0 40 80

SUMMARY OF QUANTITIES THIS SHEET

8	EA	INLET FILTER
6	EA	CHECK DAM
1	EA	GATE VALVE AND WELL, REMOVE
2	EA	FIRE HYDRANT, REMOVE
178	SY	BITUMINOUS PAVEMENT, REMOVE
81	TON	AGGREGATE BASE COURSE, 21AA
20	TON	BITUMINOUS LEVELING COURSE, 4E1
20	TON	BITUMINOUS WEARING COURSE, 5E1

REV#	DATE	DESCRIPTION	BY

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WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN - WILKIE
STA 0+00 TO 7+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

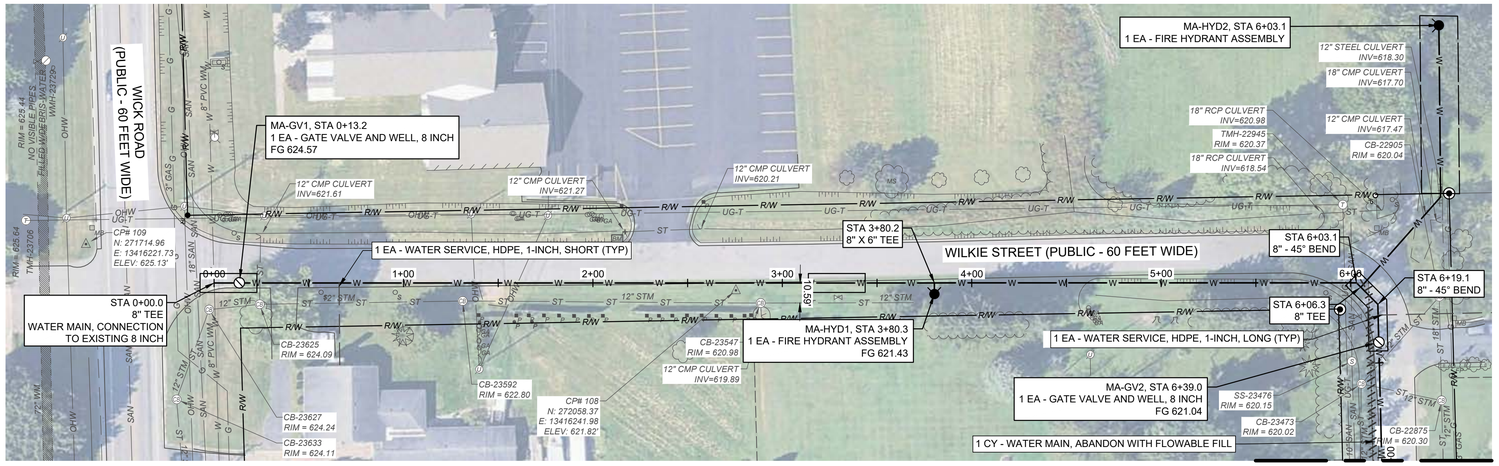
SHEET
125

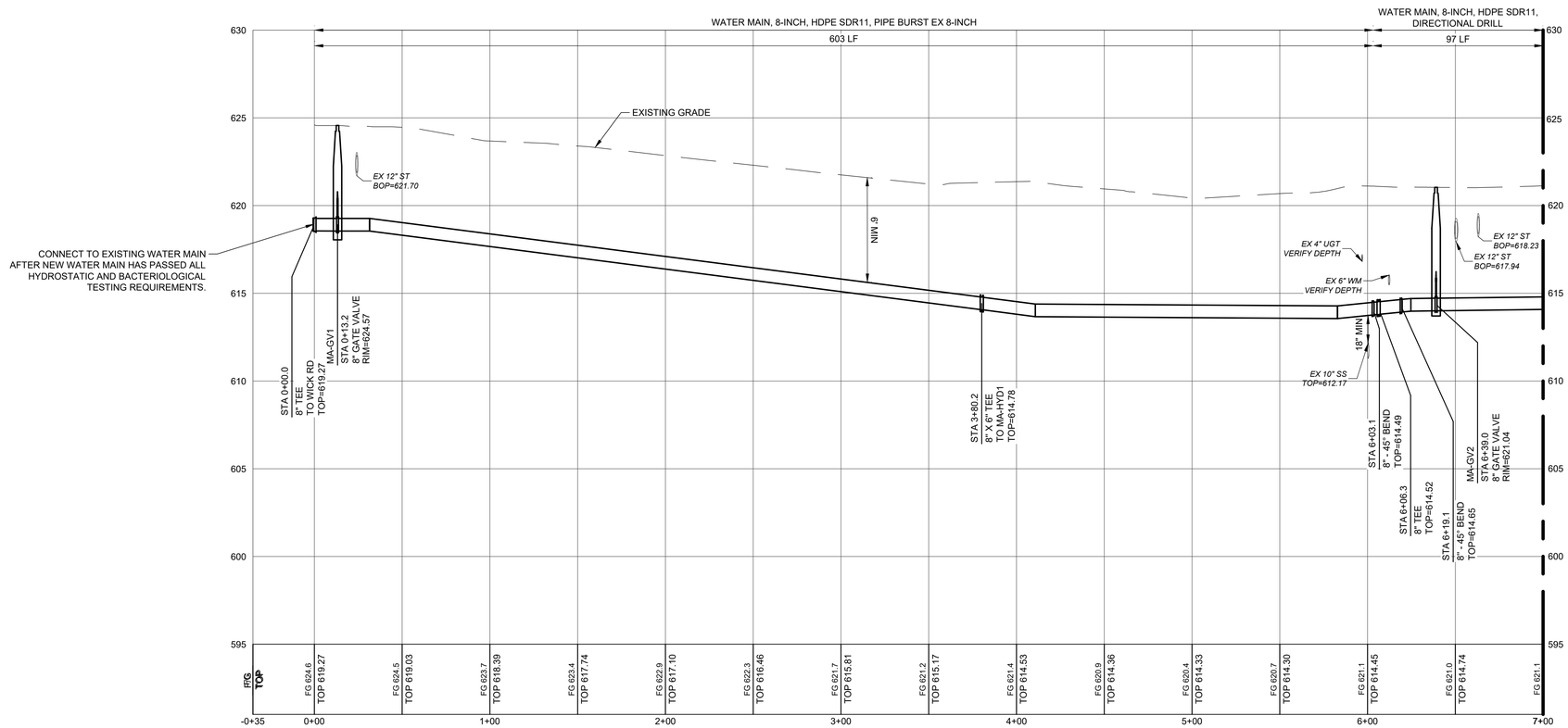
2025 WATER MAIN REHABILITATION DESIGN

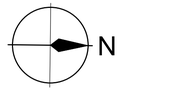
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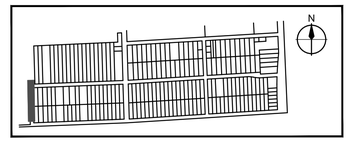
Know what's below.
Call before you dig.

PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: J:\WADE ROAD\1-REPORT\1-DRAWINGS\1-PRIMARY DWG PLOTTED 11/6/2026 10:48 AM BY FLANAGAN, MARTIN









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

1	CY	WATER MAIN, ABANDON WITH FLOWABLE FILL
1	EA	CONNECTION TO EX 8 INCH WATER MAIN W/ 8"X8" TEE
603	LF	WATER MAIN, 8-INCH, HDPE SDR11, PIPE BURST EX 8-INCH
97	LF	WATER MAIN, 8-INCH, HDPE SDR11, DIRECTIONAL DRILL
2	EA	GATE VALVE AND WELL, 8 INCH
2	EA	FIRE HYDRANT ASSEMBLY
1	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
1	EA	WATER SERVICE, HDPE, 1-INCH, LONG
2	EA	CURB STOP AND BOX, 1 INCH
350	LF	WATER SERVICE (BEYOND PROPERTY LINE), HDPE, 1-INCH, DIRECTIONAL DRILLED

Crossing Table			
Station	TOP	BOP	Crossing Distance
0+24	Water 619.27	Storm 621.70	2.43'
6+00	Sanitary 612.17*	Water 613.75	1.58'
6+51	Water 614.67	Storm 617.98	3.31'
6+63	Water 614.67	Storm 618.23	3.56'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:
1. CONTRACTOR WILL FIELD VERIFY LOCATIONS AND DEPTHS OF ALL CROSSING UTILITIES PRIOR TO INSTALLING PROPOSED WATER MAIN PIPE.
2. CONTRACTOR IS ADVISED THAT PROPOSED WATER MAIN IS CROSSING BOTH LIVE AND DEAD GAS SERVICES. CONTRACTOR WILL FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.

REV#	DATE	DESCRIPTION	BY

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Taylor, MI 48180
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WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - WILKIE STA 0+00 TO 7+00

ISSUED FOR: BID
DATE: 11/10/26
BY: KMA

JOB NO. TAY3164-23T

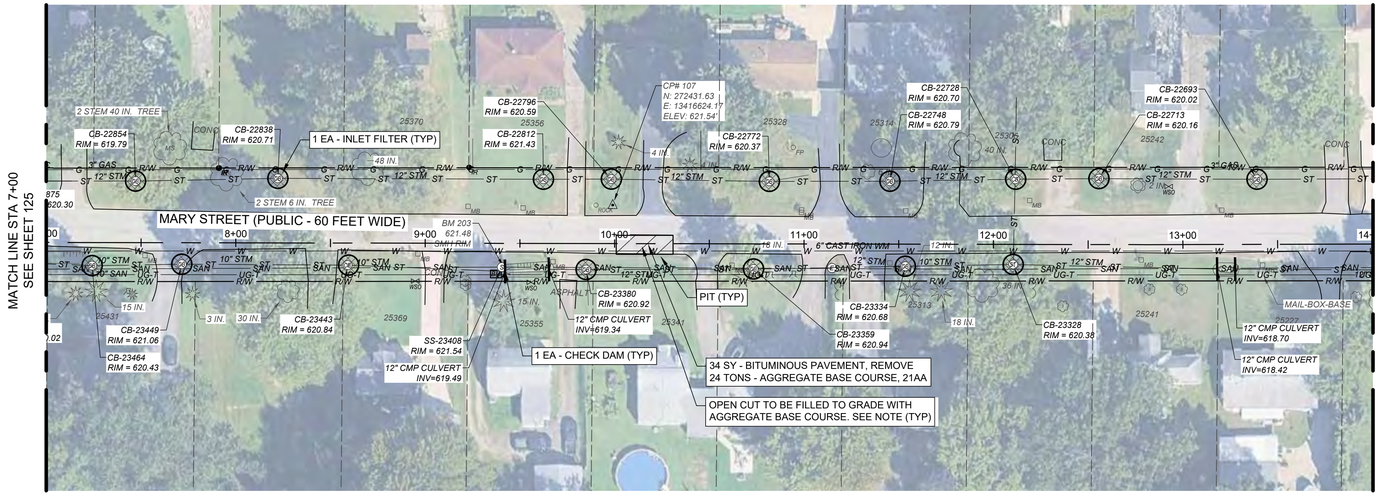
SHEET 126

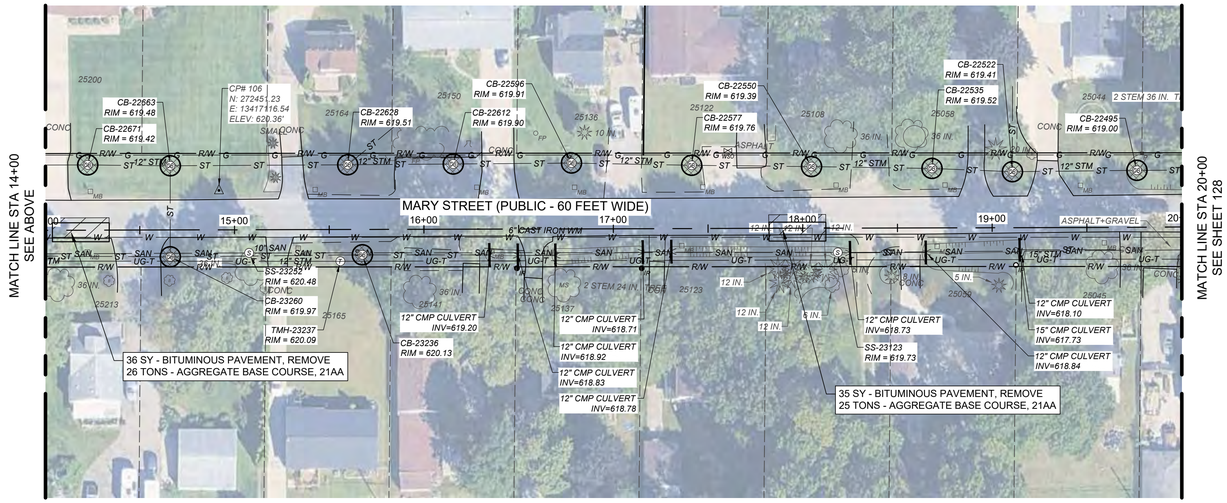
2025 WATER MAIN REHABILITATION DESIGN

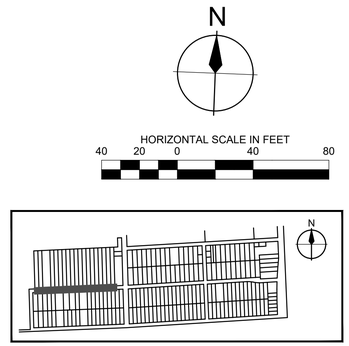
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811 Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCROBB-KOLANO
DESIGNED: KMA CHECKED: KMA DRAWN: KMA
PLOTTED BY: KMA PLOTTED: 11/6/2026 10:48 AM BY FLANAGAN, MARTIN







SUMMARY OF QUANTITIES THIS SHEET

28	EA	INLET FILTER
12	EA	CHECK DAM
105	SY	BITUMINOUS PAVEMENT, REMOVE
75	TON	AGGREGATE BASE COURSE, 21AA

NOTE

OPEN CUT FROM STA. 7+50 TO 45+00 TO BE FILLED TO GRADE WITH AGGREGATE BASE COURSE, 21AA. ROAD WILL BE REPAVED DURING MARY ST RECONSTRUCTION PROJECT.

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN - MARY
STA 7+00 TO 20+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

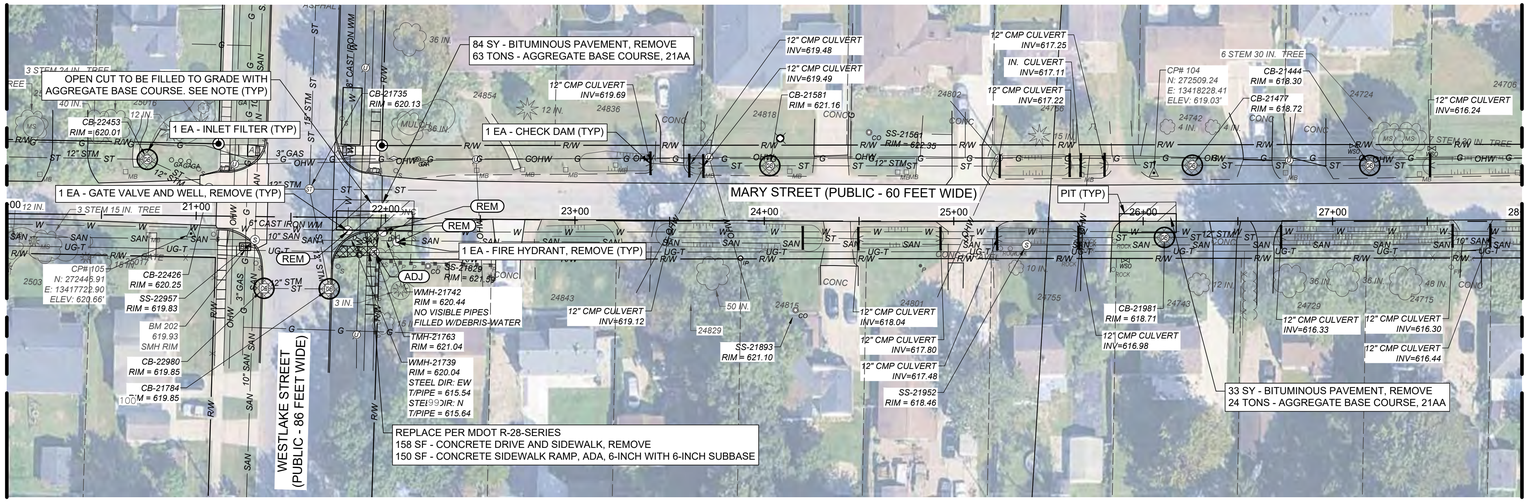
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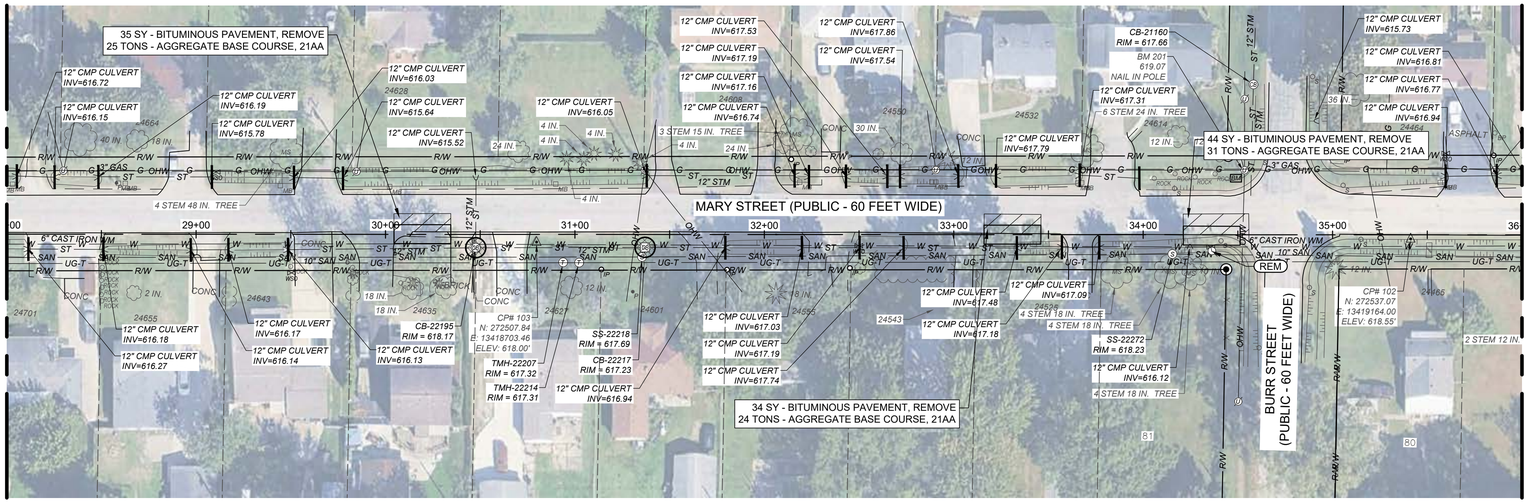
2025 WATER MAIN REHABILITATION DESIGN

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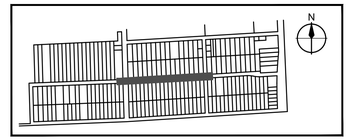
PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD MANAGER: ADAM HOWARD; DRAWING: DRAWING.DWG PLOTTED 11/6/2026 10:48 AM BY FLANAGAN, MARTIN





N

HORIZONTAL SCALE IN FEET
40 20 0 40 80



KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

9	EA	INLET FILTER
46	EA	CHECK DAM
1	EA	ADJUST STRUCTURE
2	EA	GATE VALVE AND WELL, REMOVE
2	EA	FIRE HYDRANT, REMOVE
230	SY	BITUMINOUS PAVEMENT, REMOVE
158	SF	CONCRETE DRIVE AND SIDEWALK, REMOVE
158	SF	CONCRETE SIDEWALK RAMP, ADA, 6-INCH W/ 6-INCH SUBBASE
167	TON	AGGREGATE BASE COURSE, 21AA

NOTE

OPEN CUT FROM STA. 7+50 TO 45+00 TO BE FILLED TO GRADE WITH AGGREGATE BASE COURSE, 21AA. ROAD WILL BE REPAVED DURING MARY ST RECONSTRUCTION PROJECT.

REV#	DATE	DESCRIPTION	BY

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WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN - MARY STA 20+00 TO 36+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

SHEET 128

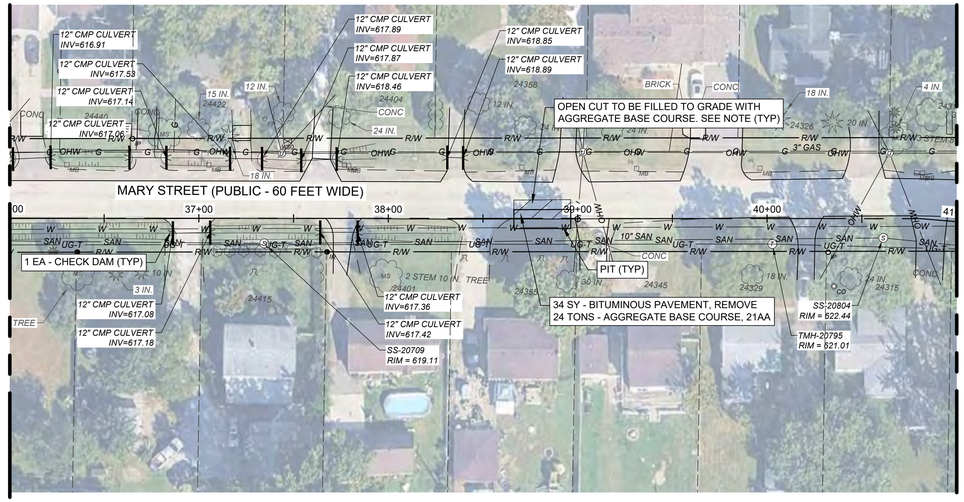
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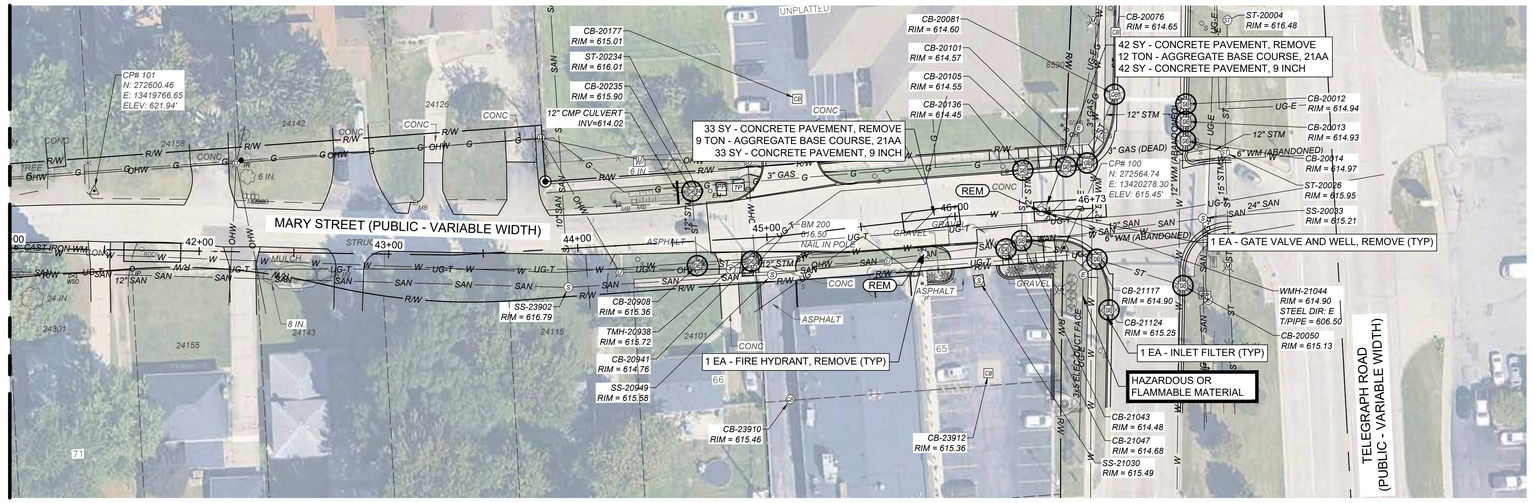
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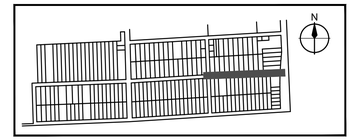
Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MORRIS-ACKLAND
CAD: N:\WADE TRIM\3164\23T\CAD\MARY DWG PLOTTED 11/6/2026 10:49 AM BY FLANAGAN, MARTIN

HORIZONTAL SCALE IN FEET
40 20 0 40 80







KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

15	EA	INLET FILTER
15	EA	CHECK DAM
1	EA	GATE VALVE AND WELL, REMOVE
1	EA	FIRE HYDRANT, REMOVE
75	SY	CONCRETE PAVEMENT, REMOVE
34	SY	BITUMINOUS PAVEMENT, REMOVE
75	SY	CONCRETE PAVEMENT, 9 INCH
45	TON	AGGREGATE BASE COURSE, 21AA

NOTE

OPEN CUT FROM STA. 7+50 TO 45+00 TO BE FILLED TO GRADE WITH AGGREGATE BASE COURSE, 21AA. ROAD WILL BE REPAVED DURING MARY ST RECONSTRUCTION PROJECT.

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
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Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN - MARY
STA 36+00 TO 46+87

2025 WATER MAIN REHABILITATION DESIGN

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

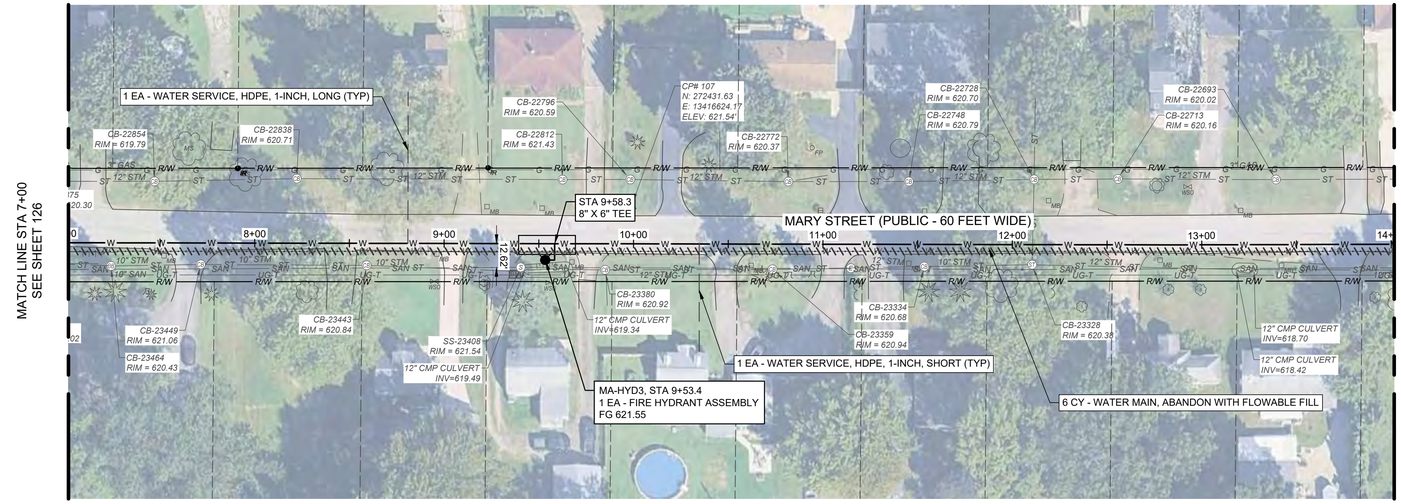
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TAY3164-23T

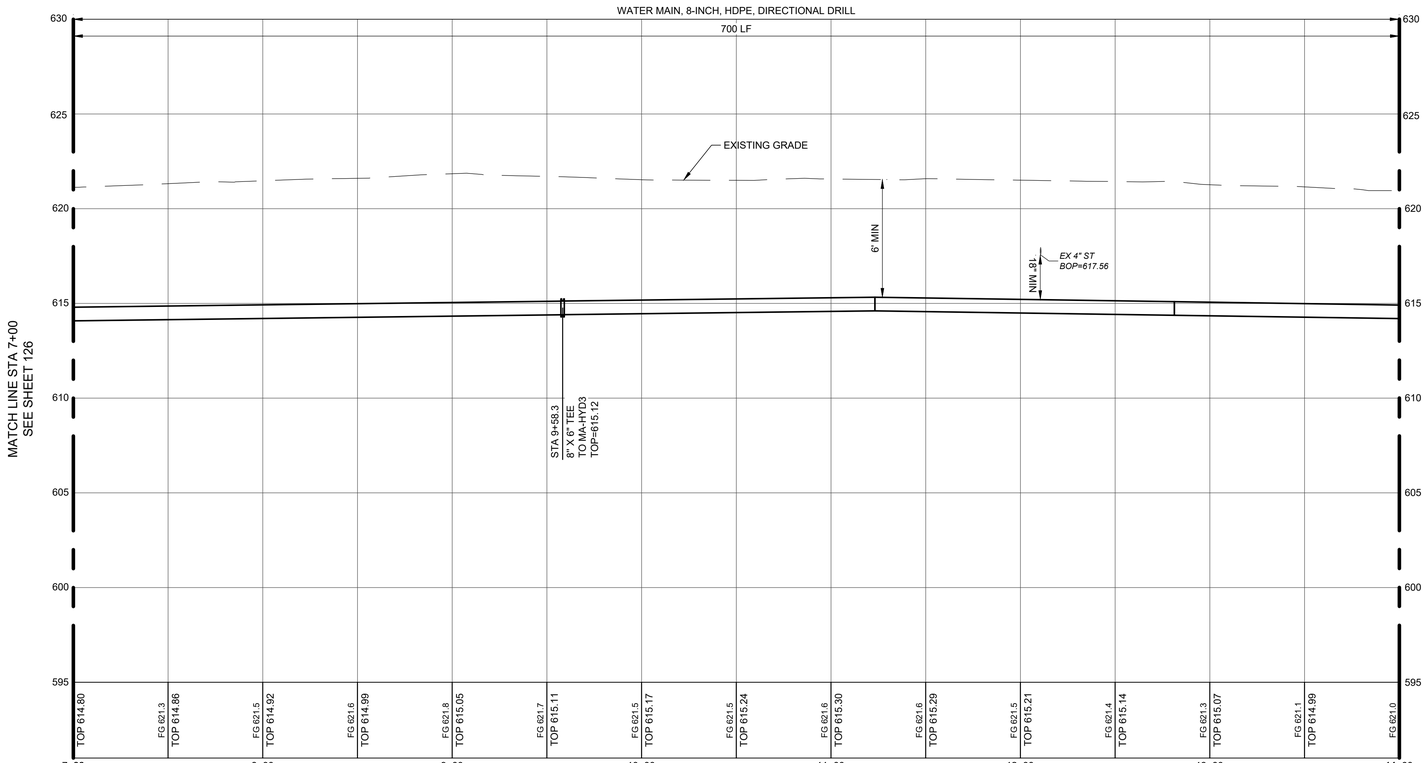
SHEET
129

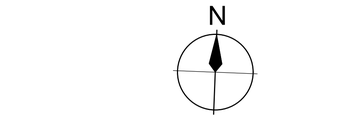
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CAD MANAGER: RICHARD BRUNO | DRAWING: DRAWING.DWG PLOTTED 11/6/2026 10:49 AM BY FLANAGAN, MARTIN







HORIZONTAL SCALE IN FEET
40 20 0 40 80
VERTICAL SCALE IN FEET
4 2 0 4 8

KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

6	CY	WATER MAIN, ABANDON WITH FLOWABLE FILL
700	LF	WATER MAIN, 8-INCH, HDPE, DIRECTIONAL DRILL
1	EA	FIRE HYDRANT ASSEMBLY
7	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
8	EA	WATER SERVICE, HDPE, 1-INCH, LONG
15	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
12+11	Water 615.13	Storm 617.56*	2.43'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:
1. CONTRACTOR WILL FIELD VERIFY LOCATIONS AND DEPTHS OF ALL CROSSING UTILITIES PRIOR TO INSTALLING PROPOSED WATER MAIN PIPE.
2. CONTRACTOR IS ADVISED THAT PROPOSED WATER MAIN IS CROSSING BOTH LIVE AND DEAD GAS SERVICES. CONTRACTOR WILL FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - MARY STA 7+00 TO 14+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

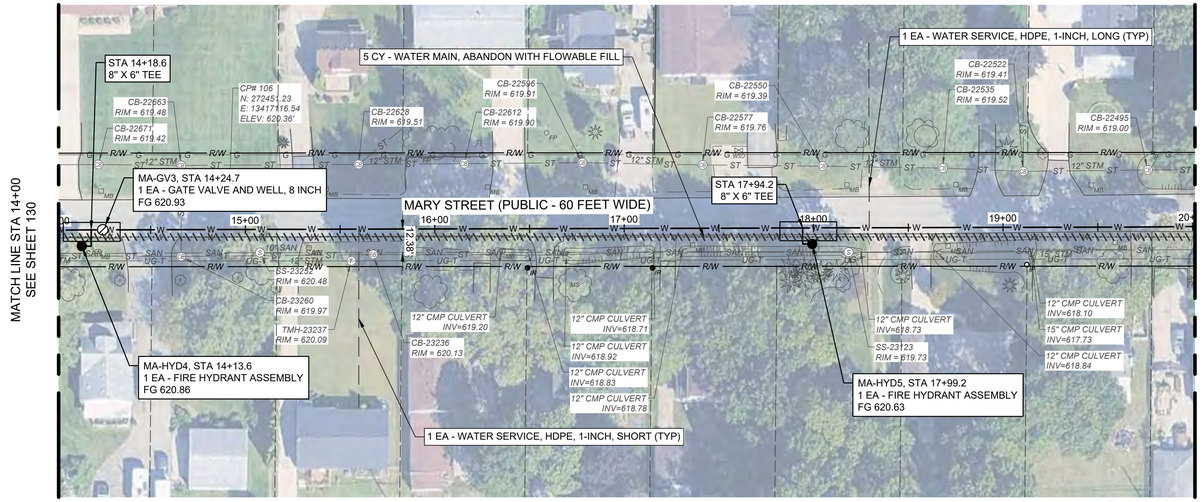
SHEET 130

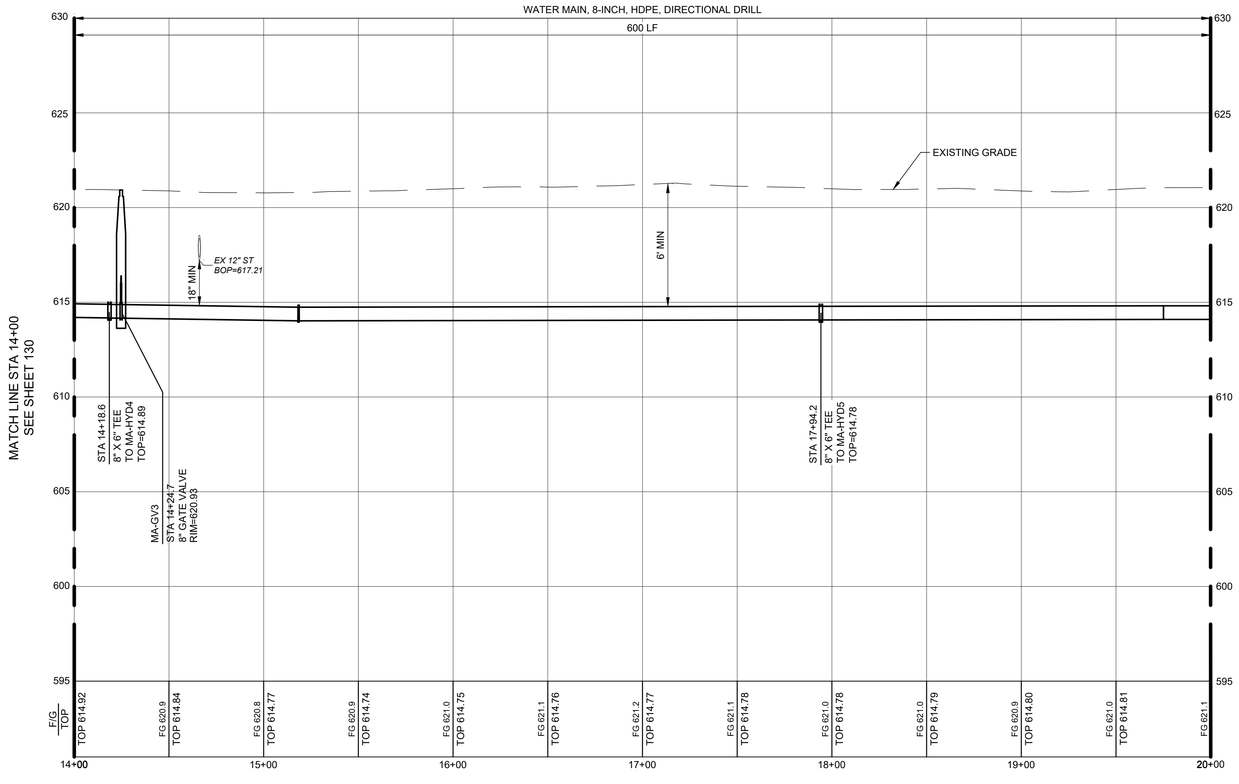
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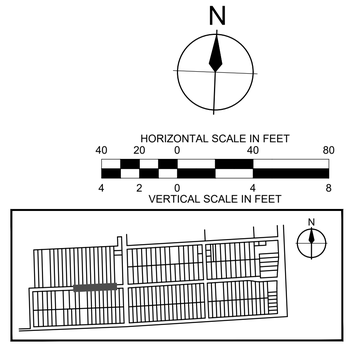
2025 WATER MAIN REHABILITATION DESIGN

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

PROJECT MANAGER: KELLY MCROBB-HOLLAND
CAD: KMA | DWG: 2025 WATER MAIN PROPOSED WATER MAIN PLAN & PROFILE - MARY.DWG PLOTTED: 11/6/2026 10:49 AM BY FLANAGAN, MARTIN







SUMMARY OF QUANTITIES THIS SHEET

5	CY	WATER MAIN, ABANDON WITH FLOWABLE FILL
600	LF	WATER MAIN, 8-INCH, HDPE, DIRECTIONAL DRILL
1	EA	GATE VALVE AND WELL, 8 INCH
2	EA	FIRE HYDRANT ASSEMBLY
9	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
8	EA	WATER SERVICE, HDPE, 1-INCH, LONG
17	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
14+66	Water 614.81	Storm 617.21	2.40'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:
1. CONTRACTOR WILL FIELD VERIFY LOCATIONS AND DEPTHS OF ALL CROSSING UTILITIES PRIOR TO INSTALLING PROPOSED WATER MAIN PIPE.
2. CONTRACTOR IS ADVISED THAT PROPOSED WATER MAIN IS CROSSING BOTH LIVE AND DEAD GAS SERVICES. CONTRACTOR WILL FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - MARY STA 14+00 TO 20+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

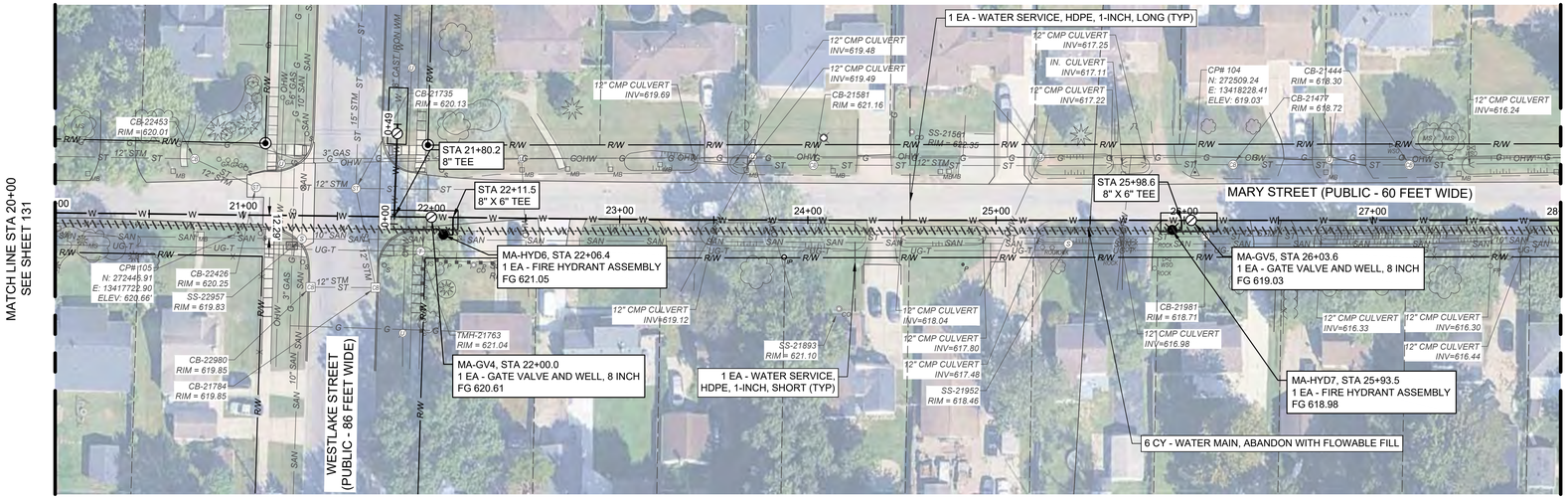
SHEET 131

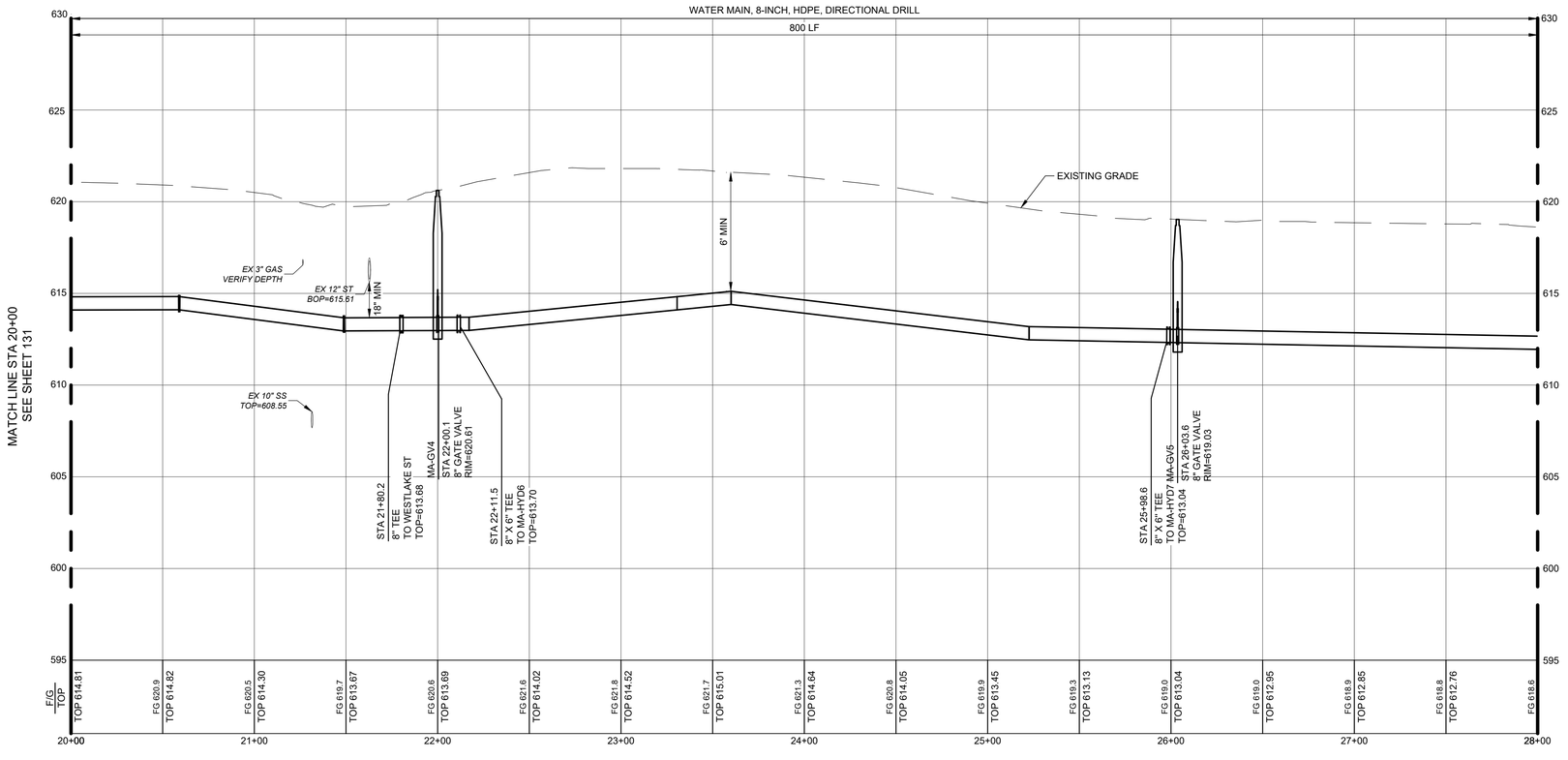
2025 WATER MAIN REHABILITATION DESIGN

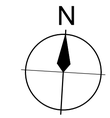
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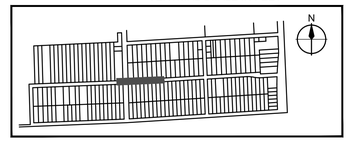
PROJECT MANAGER: KELLY MCROBB-ACKLAND
PLOT: K:\Wade Trim\Projects\TAY3164-23T\Drawings\MARY.DWG PLOTTED 11/6/2026 10:49 AM BY FLANAGAN, MARTIN







HORIZONTAL SCALE IN FEET
40 20 0 40 80
VERTICAL SCALE IN FEET
4 2 0 4 8



KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

6	CY	WATER MAIN, ABANDON WITH FLOWABLE FILL
800	LF	WATER MAIN, 8-INCH, HDPE, DIRECTIONAL DRILL
2	EA	GATE VALVE AND WELL, 8 INCH
2	EA	FIRE HYDRANT ASSEMBLY
11	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
8	EA	WATER SERVICE, HDPE, 1-INCH, LONG
19	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
21+31	Sanitary 608.55	Water 613.18	4.63'
21+63	Water 613.68	Storm 615.61*	1.93

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:
1. CONTRACTOR WILL FIELD VERIFY LOCATIONS AND DEPTHS OF ALL CROSSING UTILITIES PRIOR TO INSTALLING PROPOSED WATER MAIN PIPE.
2. CONTRACTOR IS ADVISED THAT PROPOSED WATER MAIN IS CROSSING BOTH LIVE AND DEAD GAS SERVICES. CONTRACTOR WILL FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - MARY STA 20+00 TO 28+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

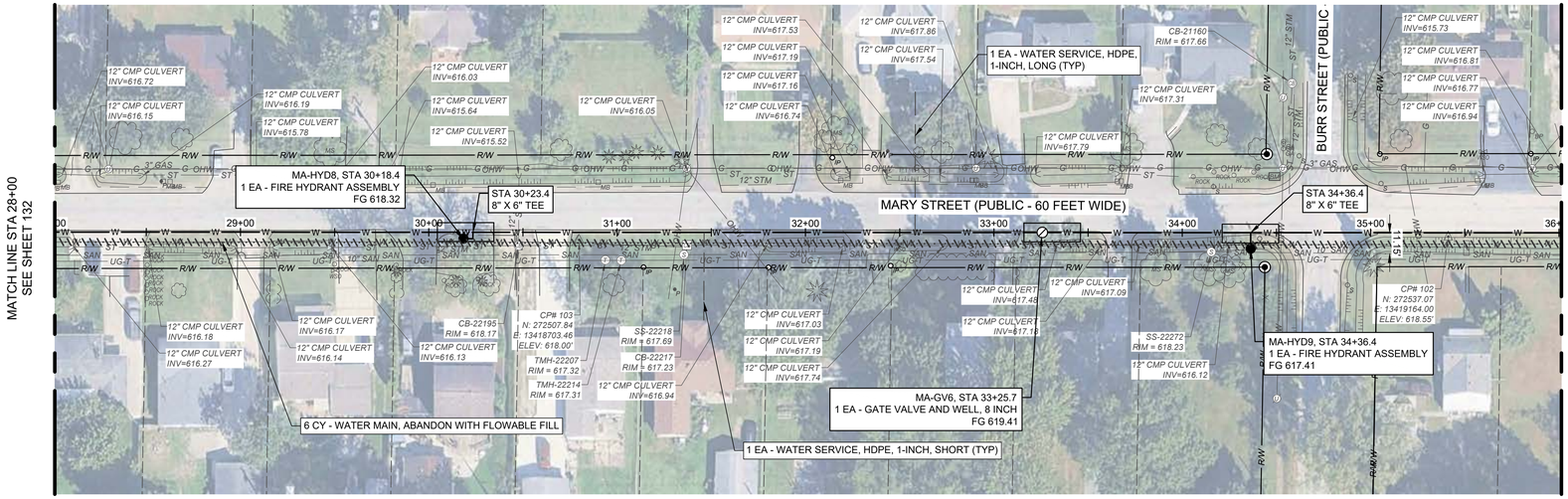
JOB NO. TAY3164-23T

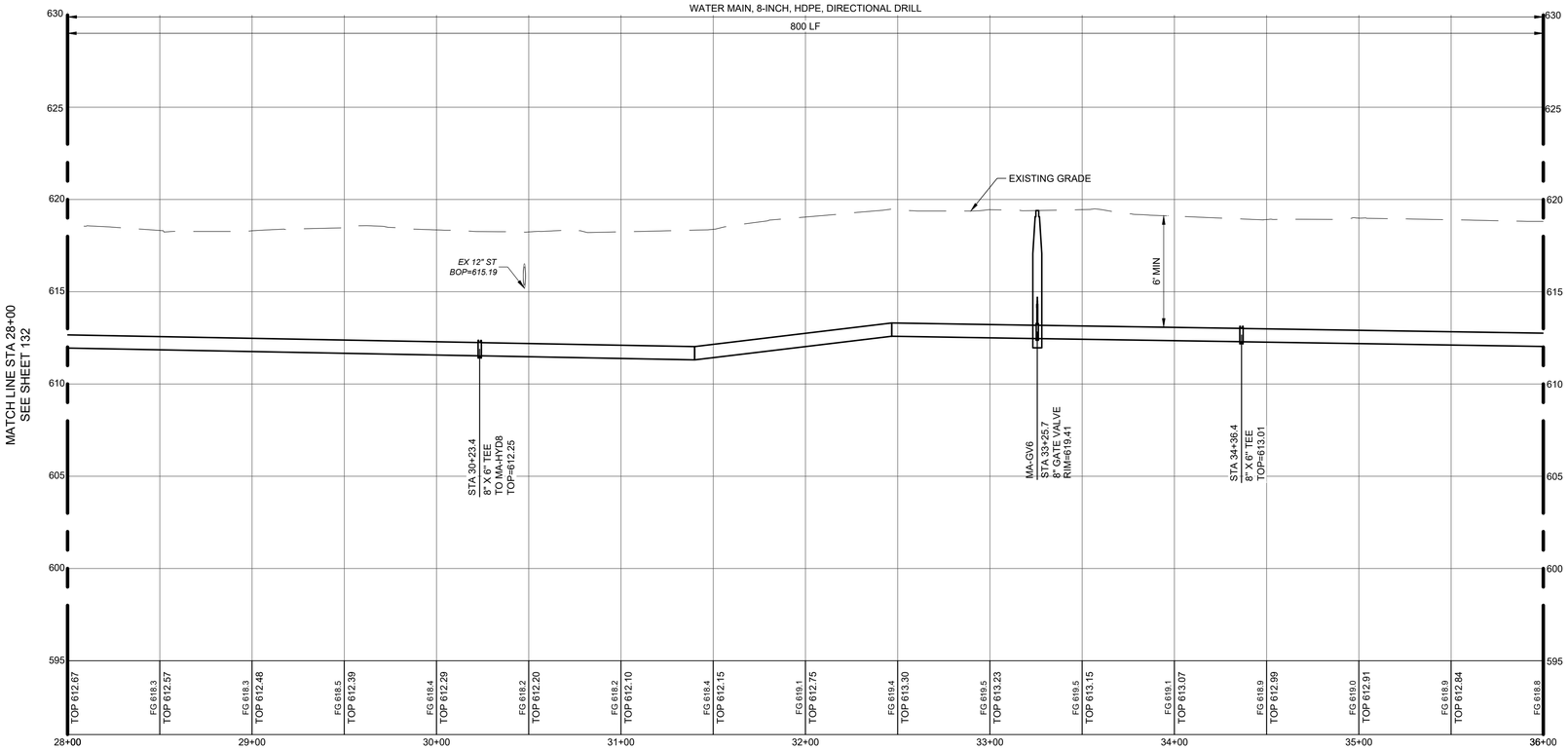
SHEET 132

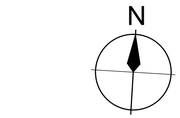
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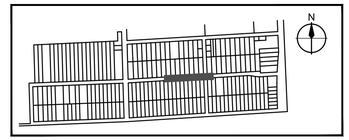
PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: KYRSTEN ROMANOWSKI-CONWAY DWG PLOTTED 11/6/2026 10:49 AM BY FLANIGAN, MARTIN







HORIZONTAL SCALE IN FEET
40 20 0 40 80
4 2 0 4 8
VERTICAL SCALE IN FEET



KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

6	CY	WATER MAIN, ABANDON WITH FLOWABLE FILL
800	LF	WATER MAIN, 8-INCH, HDPE, DIRECTIONAL DRILL
1	EA	GATE VALVE AND WELL, 8 INCH
2	EA	FIRE HYDRANT ASSEMBLY
10	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
9	EA	WATER SERVICE, HDPE, 1-INCH, LONG
19	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
30+48	Water 612.20	Storm 615.19	2.99'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:
1. CONTRACTOR WILL FIELD VERIFY LOCATIONS AND DEPTHS OF ALL CROSSING UTILITIES PRIOR TO INSTALLING PROPOSED WATER MAIN PIPE.
2. CONTRACTOR IS ADVISED THAT PROPOSED WATER MAIN IS CROSSING BOTH LIVE AND DEAD GAS SERVICES. CONTRACTOR WILL FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - MARY STA 28+00 TO 36+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

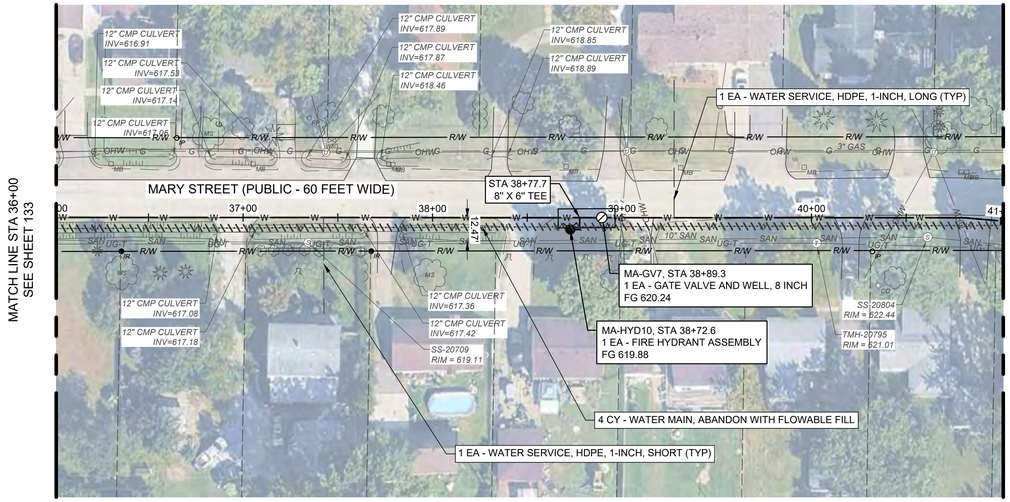
SHEET
133

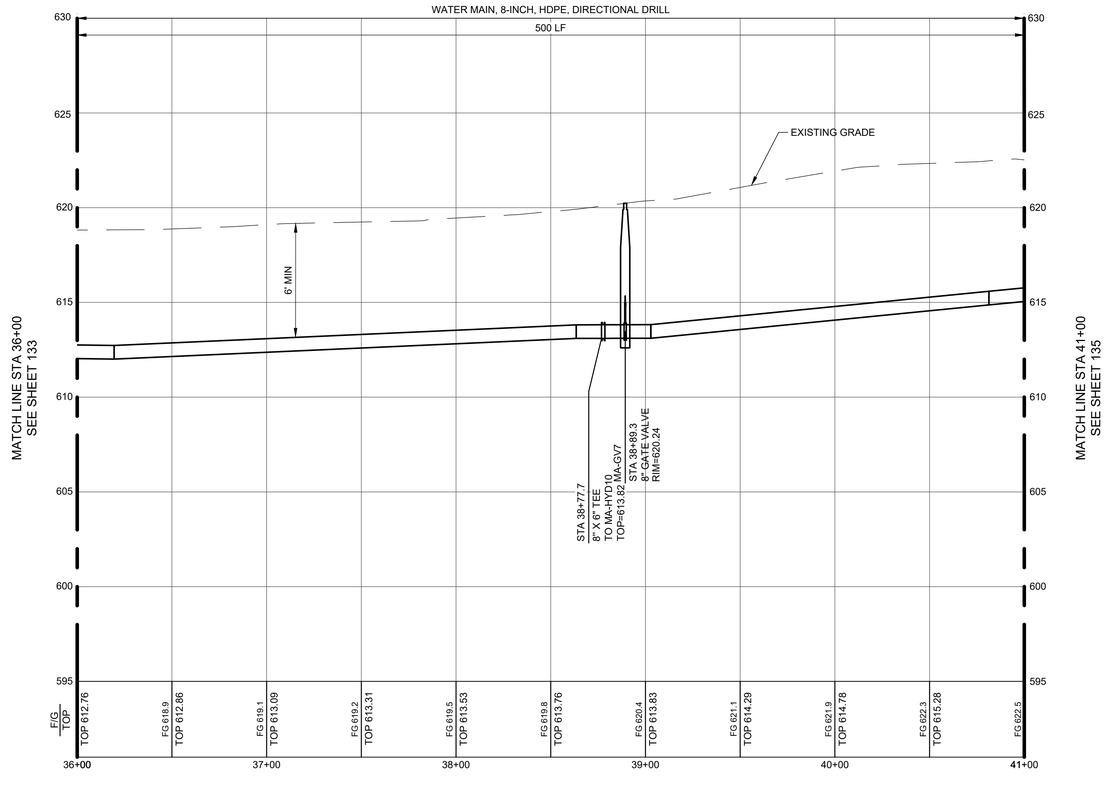
2025 WATER MAIN REHABILITATION DESIGN

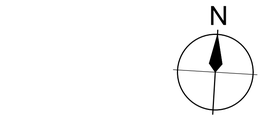
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811
Know what's below.
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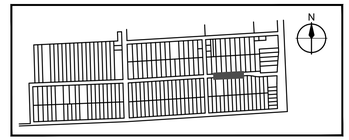
PROJECT MANAGER: KELLY MCROBB-HOLLAND
CAD: KAMMER,MARTIN@WADETRIM.COM;MARY.DWG PLOTTED: 1/6/2026 10:49 AM BY FLANAGAN, MARTIN







HORIZONTAL SCALE IN FEET
40 20 0 40 80
4 2 0 4 8
VERTICAL SCALE IN FEET



KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

4	CY	WATER MAIN, ABANDON WITH FLOWABLE FILL
500	LF	WATER MAIN, 8-INCH, HDPE, DIRECTIONAL DRILL
1	EA	GATE VALVE AND WELL, 8 INCH
1	EA	FIRE HYDRANT ASSEMBLY
6	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
7	EA	WATER SERVICE, HDPE, 1-INCH, LONG
13	EA	CURB STOP AND BOX, 1 INCH

NOTE:
1. CONTRACTOR WILL FIELD VERIFY LOCATIONS AND DEPTHS OF ALL CROSSING UTILITIES PRIOR TO INSTALLING PROPOSED WATER MAIN PIPE.
2. CONTRACTOR IS ADVISED THAT PROPOSED WATER MAIN IS CROSSING BOTH LIVE AND DEAD GAS SERVICES. CONTRACTOR WILL FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
23251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - MARY STA 36+00 TO 41+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

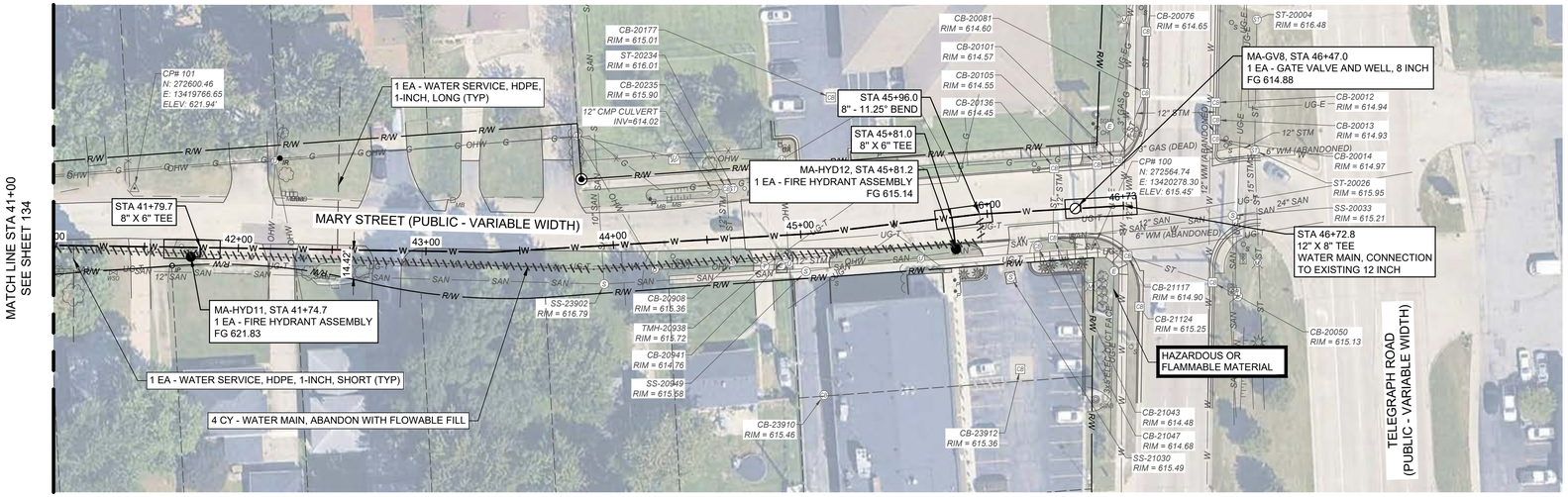
SHEET 134

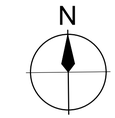
2025 WATER MAIN REHABILITATION DESIGN

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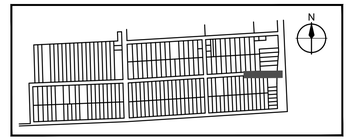
811 Know what's below. Call before you dig.

PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: I:\WADE\TAY\3164\CAD\SHEET\PRIMARY.DWG PLOTTED 11/6/2026 10:49 AM BY FLANIGAN, MARTIN





HORIZONTAL SCALE IN FEET
40 20 0 40 80
VERTICAL SCALE IN FEET
4 2 0 4 8



KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

4	CY	WATER MAIN, ABANDON WITH FLOWABLE FILL
1	EA	CONNECTION TO EX 12 INCH WATER MAIN W/ 12" X 8" TEE
495	LF	WATER MAIN, 8-INCH, HDPE, DIRECTIONAL DRILL
77	LF	WATER MAIN, 8-INCH, HDPE SDR11, PIPE BURST EX 6-INCH
1	EA	GATE VALVE AND WELL, 8 INCH
2	EA	FIRE HYDRANT ASSEMBLY
5	EA	WATER SERVICE, HDPE, 1-INCH, SHORT
4	EA	WATER SERVICE, HDPE, 1-INCH, LONG
9	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
43+84	Sanitary 609.82	Water 609.68	8.86'
44+52	Water 608.98	Storm 613.51	4.53'
45+35	Water 606.50	Storm 611.76	5.26'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:
1. CONTRACTOR WILL FIELD VERIFY LOCATIONS AND DEPTHS OF ALL CROSSING UTILITIES PRIOR TO INSTALLING PROPOSED WATER MAIN PIPE.
2. CONTRACTOR IS ADVISED THAT PROPOSED WATER MAIN IS CROSSING BOTH LIVE AND DEAD GAS SERVICES. CONTRACTOR WILL FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE -
MARY STA 41+00 TO 46+86

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

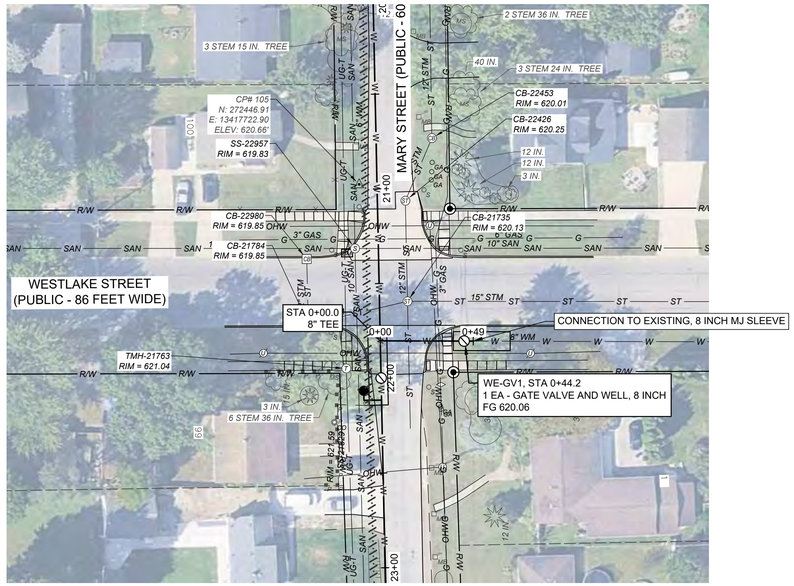
SHEET
135

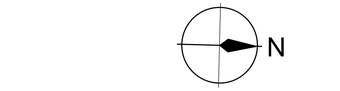
2025 WATER MAIN REHABILITATION DESIGN

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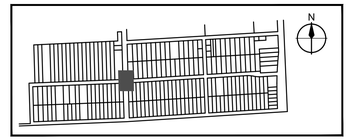
811
Know what's below.
Call before you dig.

PROJECT MANAGER: KELLY MORSBACH-KOLANO
QC: KAMAL KAMALLDIN | DESIGNER: ZACHARY DYE | PLOTTED: 11/6/2026 10:49 AM BY FLANAGAN, MARTIN





HORIZONTAL SCALE IN FEET
40 20 0 40 80
4 2 0 4 8
VERTICAL SCALE IN FEET



KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

1	EA	CONNECTION TO EX 8 IN WM W/ 8" MJ SLEEVE
49	LF	WATER MAIN, 8-INCH, HDPE SDR11, PIPE BURST EX 8-INCH
1	EA	GATE VALVE AND WELL, 8 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
0+15	Water 613 02	Storm 614.55*	1 53'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:
1. CONTRACTOR WILL FIELD VERIFY LOCATIONS AND DEPTHS OF ALL CROSSING UTILITIES PRIOR TO INSTALLING PROPOSED WATER MAIN PIPE.
2. CONTRACTOR IS ADVISED THAT PROPOSED WATER MAIN IS CROSSING BOTH LIVE AND DEAD GAS SERVICES. CONTRACTOR WILL FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.

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

PROJECT MANAGER: KELLY MCROBB-MCCLANE
DESIGNED: MARCUS MARTIN DRAWN: CONNER FLANAGAN CHECKED: KELLY MCROBB-MCCLANE
DWG: WESTLAKE MARY.DWG PLOTTED: 11/6/2026 10:50 AM BY FLANAGAN, MARTIN

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - WESTLAKE

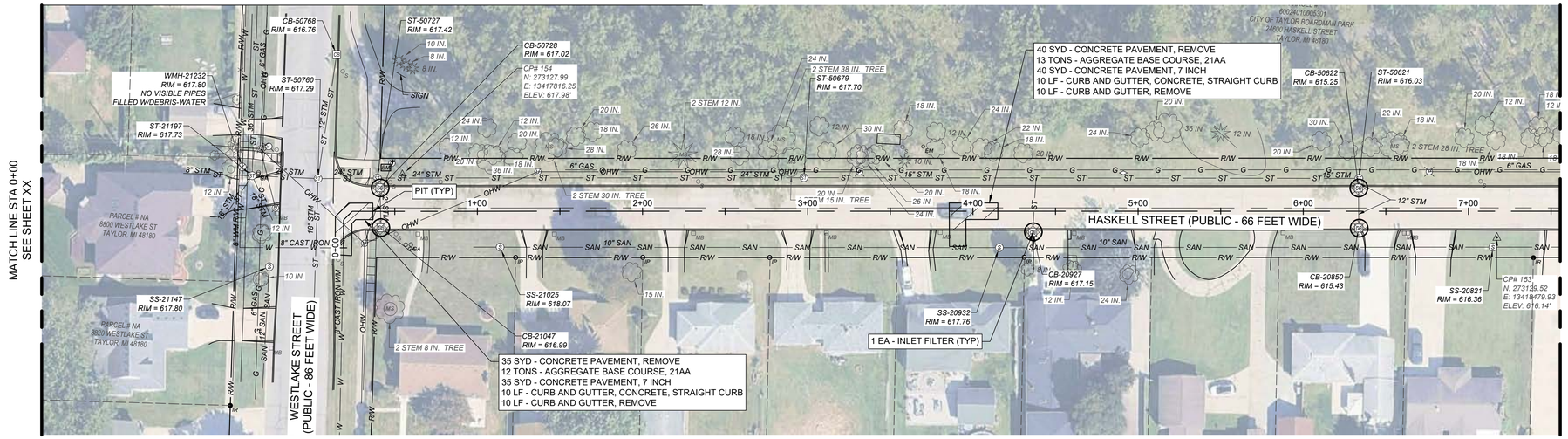
ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

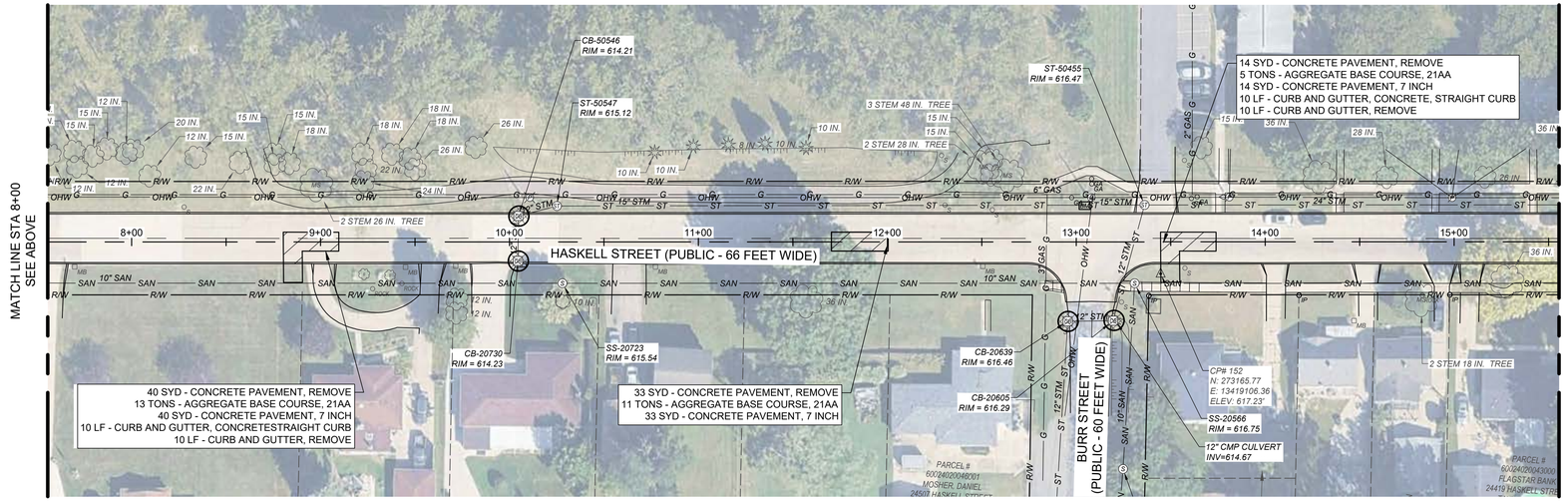
JOB NO. TAY3164-23T

SHEET 136

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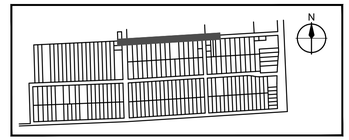
2025 WATER MAIN REHABILITATION DESIGN





N

HORIZONTAL SCALE IN FEET
40 20 0 40 80



KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

8	EA	INLET FILTER
162	SY	CONCRETE PAVEMENT, REMOVE
162	SY	CONCRETE PAVEMENT, 7 INCH
54	TON	AGGREGATE BASE COURSE, 21AA
40	LF	CURB AND GUTTER, CONCRETE, STRAIGHT CURB
40	LF	CURB AND GUTTER, REMOVE

REV#	DATE	DESCRIPTION	BY

WADE TRIM

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN -
HASKELL STA 0+00 TO 16+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

SHEET
137

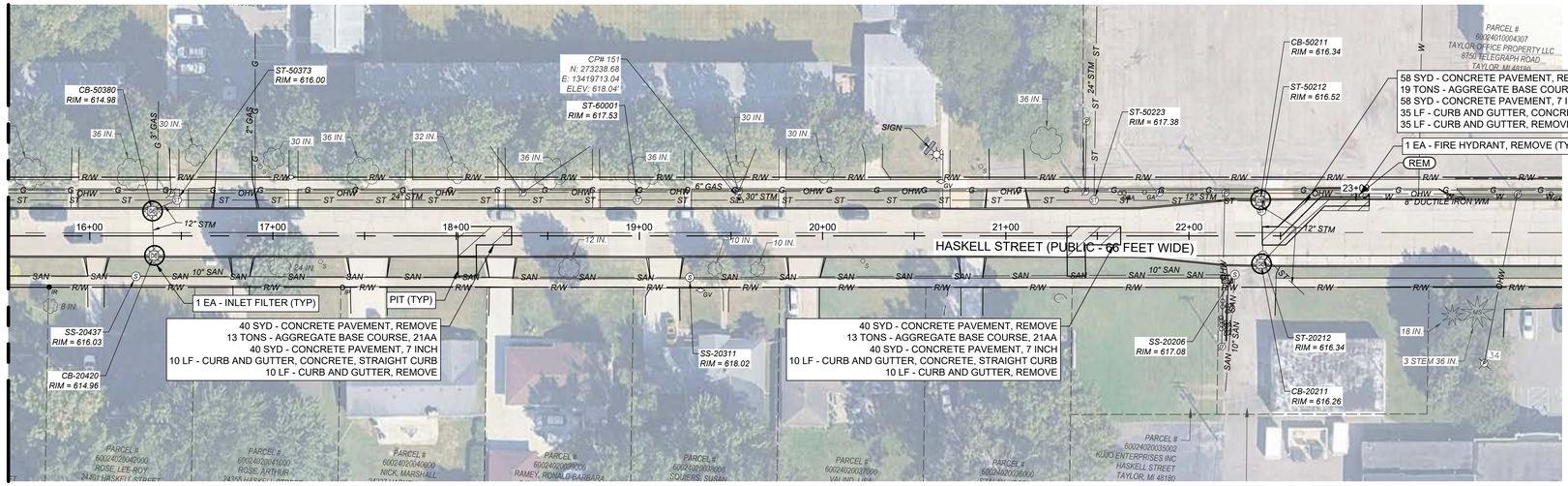
2025 WATER MAIN REHABILITATION DESIGN

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Know what's below.
Call before you dig.

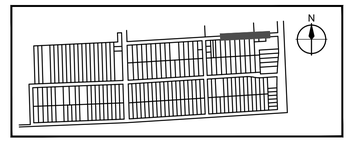
PROJECT MANAGER: KELLY MCROBB-MCLAUGHLIN
CREATED BY: MONICA RAMIREZ-RIVERA | C:\HASKELL\DWG PLOTTED: 11/6/2026 10:50 AM BY FLANAGAN, MARTIN

MATCH LINE STA 16+00
SEE SHEET T 137



N

HORIZONTAL SCALE IN FEET
40 20 0 40 80



KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

4	EA	INLET FILTER
1	EA	FIRE HYDRANT, REMOVE
138	SY	CONCRETE PAVEMENT, REMOVE
138	SY	CONCRETE PAVEMENT, 7 INCH
45	TON	AGGREGATE BASE COURSE, 21AA
55	LF	CURB AND GUTTER, CONCRETE, STRAIGHT CURB
55	LF	CURB AND GUTTER, REMOVE

Know what's below.
Call before you dig.

PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: K:\WADE TRIM\PROJECTS\TAY3164-23T\CAD\HASKELL.DWG PLOTTED 11/6/2026 10:50 AM BY FLANAGAN, MARTIN

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
EXISTING CONDITIONS & REMOVAL PLAN -
HASKELL STA 16+00 TO 23+47

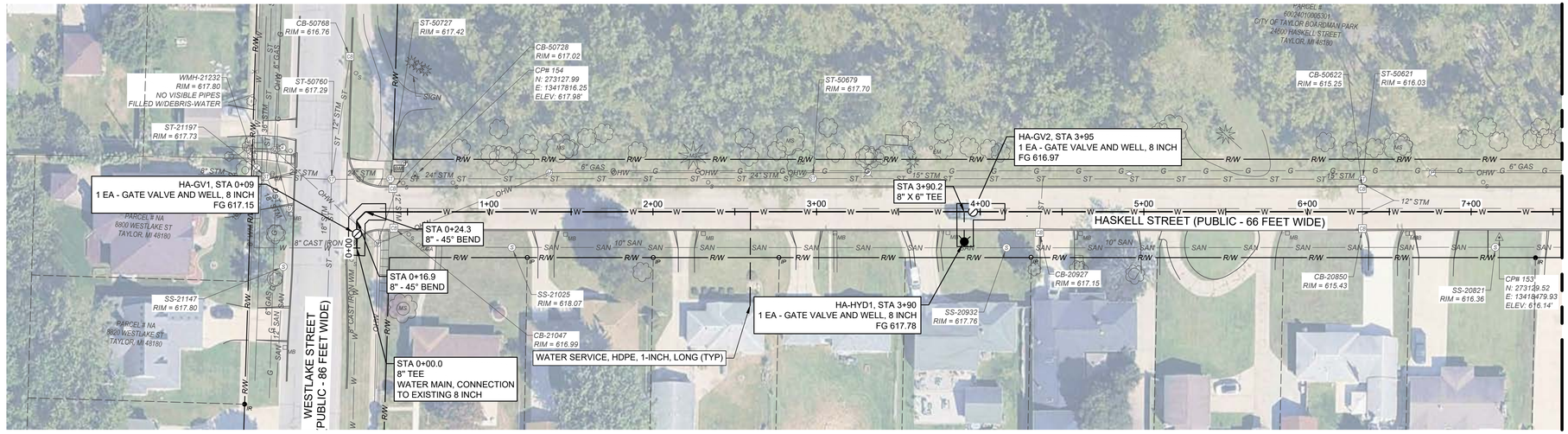
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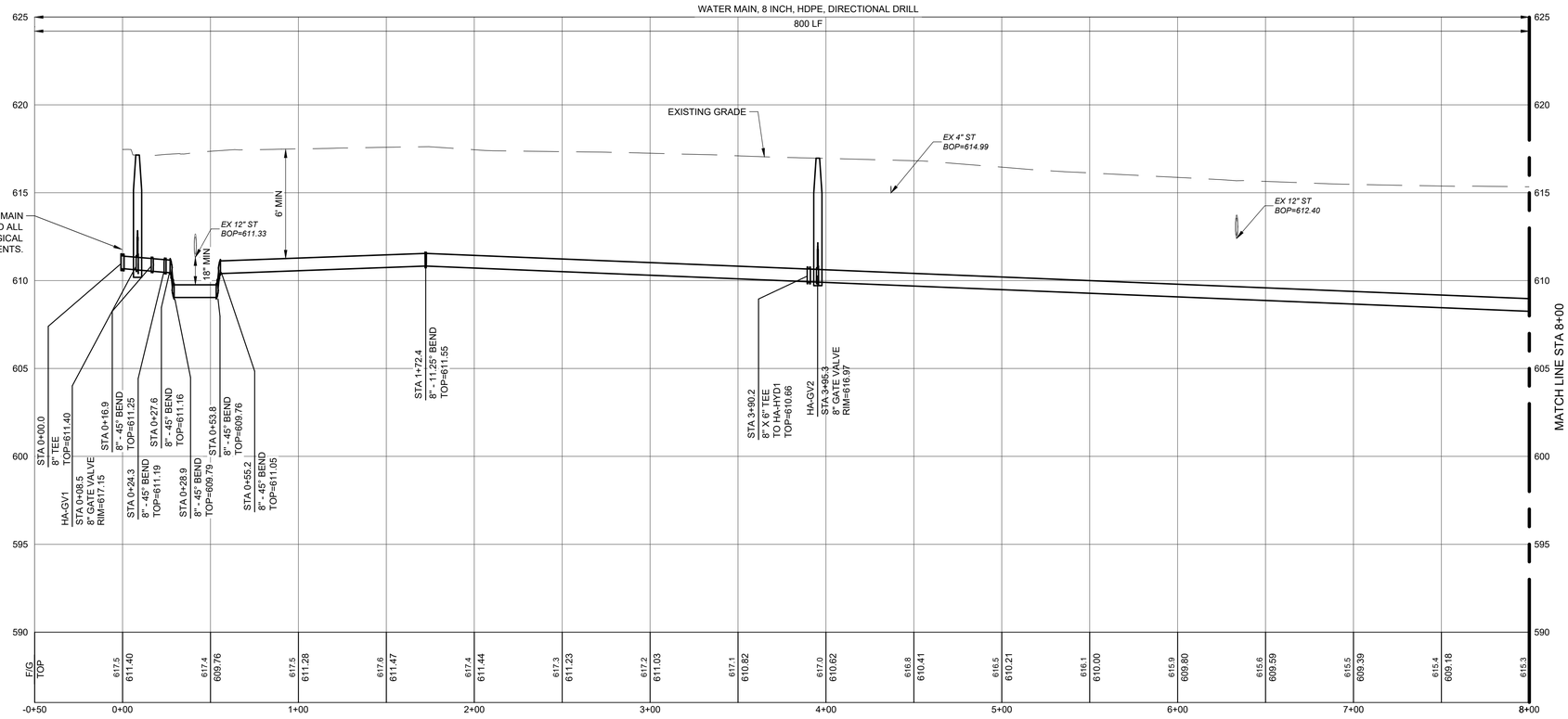
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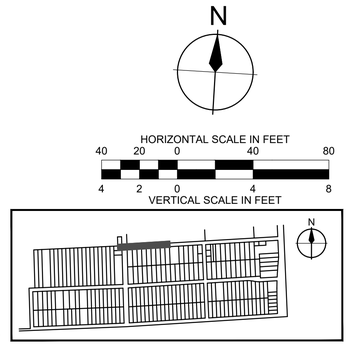
SHEET
138

2025 WATER MAIN REHABILITATION DESIGN

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SUMMARY OF QUANTITIES THIS SHEET

1	EA	CONNECTION TO EX 8 INCH WM W/ 8" X 8" TEE
800	LF	WATER MAIN, 8 INCH, HDPE, DIRECTIONAL DRILL
2	EA	GATE VALVE AND WELL, 8 INCH
1	EA	FIRE HYDRANT ASSEMBLY
10	EA	WATER SERVICE, HDPE, 1-INCH, LONG
10	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
0+41	Water 609.76	Storm 611.33	1.57'
4+37	Water 610.46	Storm 614.99	4.53'
6+34	Water 609.66	Storm 612.40	2.74'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:
1. CONTRACTOR WILL FIELD VERIFY LOCATIONS AND DEPTHS OF ALL CROSSING UTILITIES PRIOR TO INSTALLING PROPOSED WATER MAIN PIPE.
2. CONTRACTOR IS ADVISED THAT PROPOSED WATER MAIN IS CROSSING BOTH LIVE AND DEAD GAS SERVICES. CONTRACTOR WILL FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.
3. BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS, IT IS UNDERSTOOD THAT THE RESIDENTIAL WATER SERVICE ALONG HASKELL STREET ARE CURRENTLY CONNECTED TO THE WATER MAIN ON MARY STREET VIA REAR- YARD SERVICE CONNECTIONS. THE EXACT LOCATIONS, ALIGNMENTS , AND POINTS OF CONNECTIONS FOR THESE EXISTING SERVICES HAVE NOT BEEN FULLY VERIFIED. THE CITY OF TAYLOR, WADE TRIM, AND THE CONTRACTOR WILL COORDINATE DURING CONSTRUCTION TO LOCATE AND VERIFY ALL EXISTING WATER SERVICE CONNECTIONS AND DETERMINE THE APPROPRIATE RECONNECTION REQUIREMENTS IN THE FIELD. QUANTITIES SHOWN IN THE CONTRACT DOCUMENTS HAVE BEEN DEVELOPED USING THE BEST INFORMATION AVAILABLE AND INCLUDE ALLOWANCES FOR THE INSTALLATION OF NEW WATER SERVICES TO THE HASKELL STREET RESIDENCES AS NECESSARY.

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25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - HASKELL STA 0+00 TO 8+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO.
TAY3164-23T

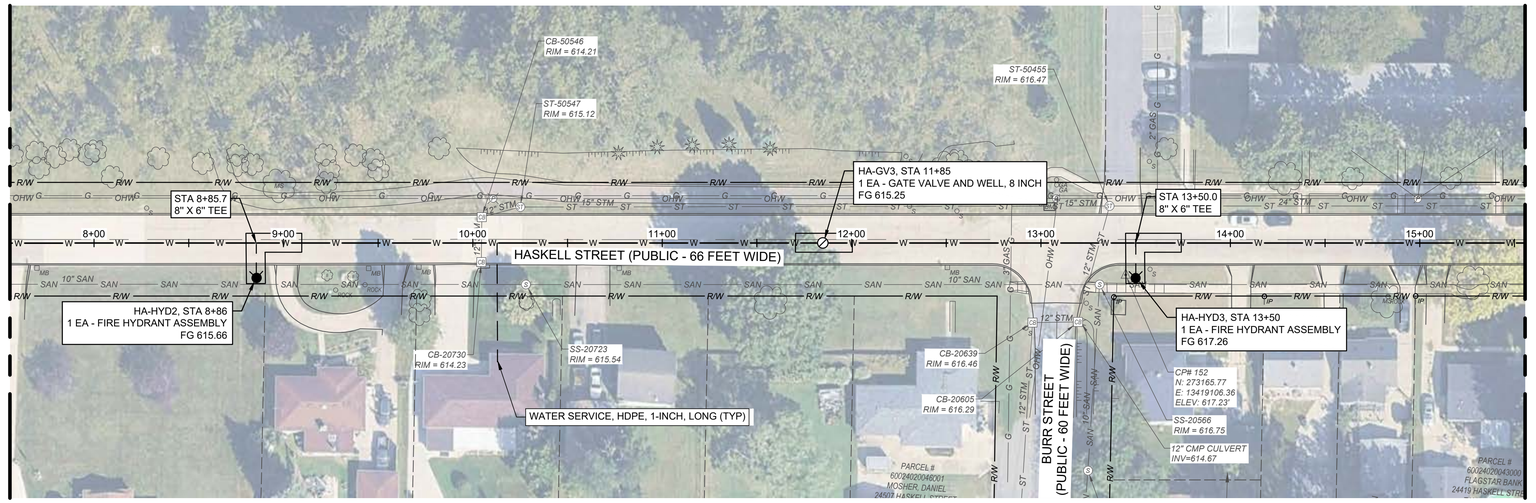
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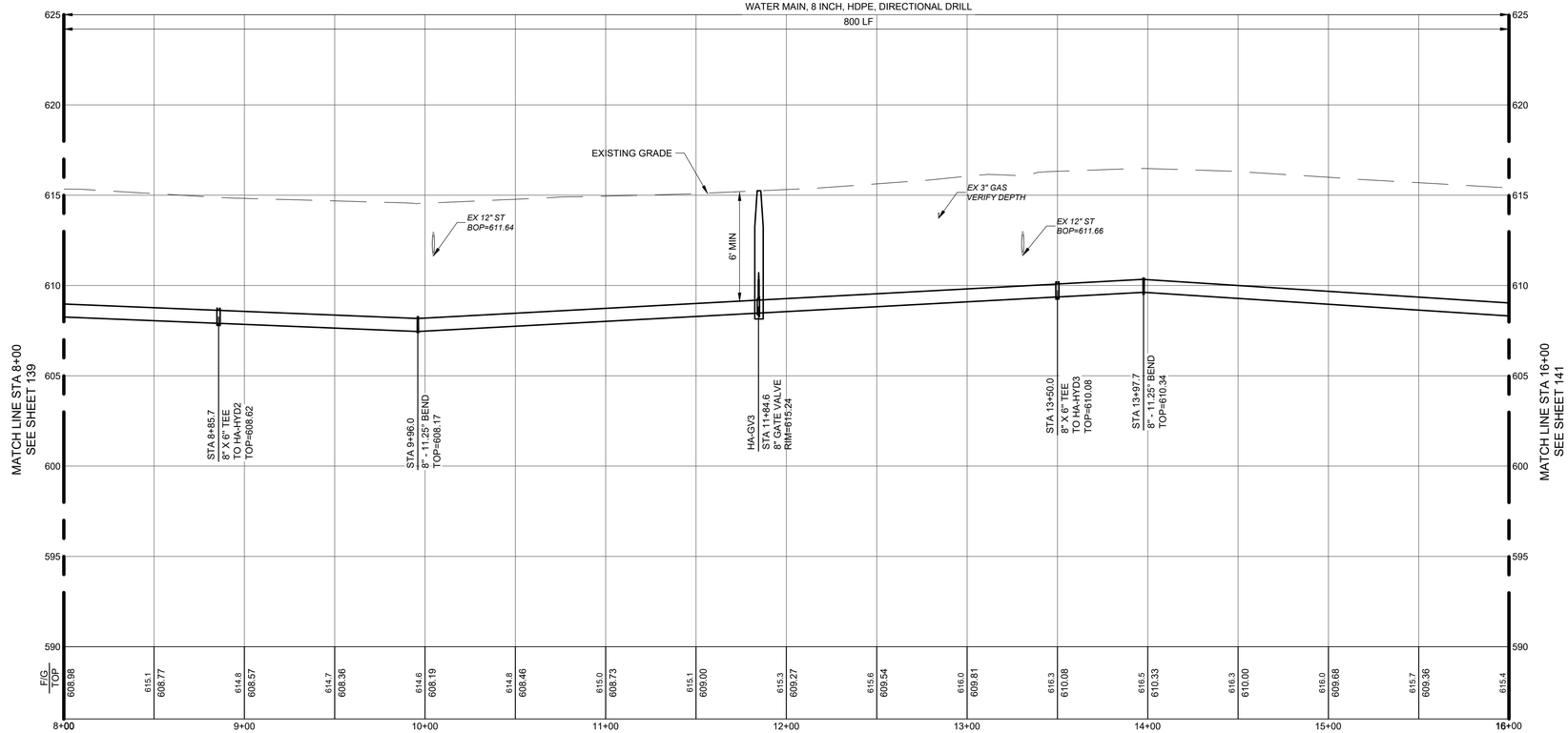
2025 WATER MAIN REHABILITATION DESIGN

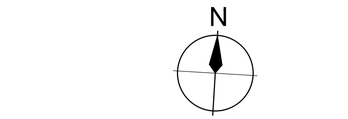
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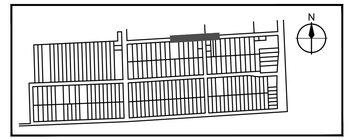
PROJECT MANAGER: KELLY MORRIS-ACKLAND
CAD: I:\WADE\HASKELL\CONTRACT\HASKELLDWG PLOTTED 11/6/2026 10:50 AM BY FLANAGAN, MARTIN







HORIZONTAL SCALE IN FEET
40 20 0 40 80
4 2 0 4 8
VERTICAL SCALE IN FEET



KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

800	LF	WATER MAIN, 8 INCH, HDPE, DIRECTIONAL DRILL
1	EA	GATE VALVE AND WELL, 8 INCH
2	EA	FIRE HYDRANT ASSEMBLY
1	EA	WATER SERVICE, HDPE, 2-INCH, LONG
8	EA	WATER SERVICE, HDPE, 1-INCH, LONG
1	EA	CURB STOP AND BOX, 2 INCH
8	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
10+06	Water 608.22	Storm 611.64	3.42'
13+31	Water 609.98	Storm 611.66	1.68'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:
1. CONTRACTOR WILL FIELD VERIFY LOCATIONS AND DEPTHS OF ALL CROSSING UTILITIES PRIOR TO INSTALLING PROPOSED WATER MAIN PIPE.
2. CONTRACTOR IS ADVISED THAT PROPOSED WATER MAIN IS CROSSING BOTH LIVE AND DEAD GAS SERVICES. CONTRACTOR WILL FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.
3. BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS, IT IS UNDERSTOOD THAT THE RESIDENTIAL WATER SERVICE ALONG HASKELL STREET ARE CURRENTLY CONNECTED TO THE WATER MAIN ON MARY STREET VIA REAR- YARD SERVICE CONNECTIONS. THE EXACT LOCATIONS, ALIGNMENTS , AND POINTS OF CONNECTIONS FOR THESE EXISTING SERVICES HAVE NOT BEEN FULLY VERIFIED. THE CITY OF TAYLOR, WADE TRIM, AND THE CONTRACTOR WILL COORDINATE DURING CONSTRUCTION TO LOCATE AND VERIFY ALL EXISTING WATER SERVICE CONNECTIONS AND DETERMINE THE APPROPRIATE RECONNECTION REQUIREMENTS IN THE FIELD. QUANTITIES SHOWN IN THE CONTRACT DOCUMENTS HAVE BEEN DEVELOPED USING THE BEST INFORMATION AVAILABLE AND INCLUDE ALLOWANCES FOR THE INSTALLATION OF NEW WATER SERVICES TO THE HASKELL STREET RESIDENCES AS NECESSARY.

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Taylor, MI 48180
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WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - HASKELL STA 8+00 TO 16+00

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

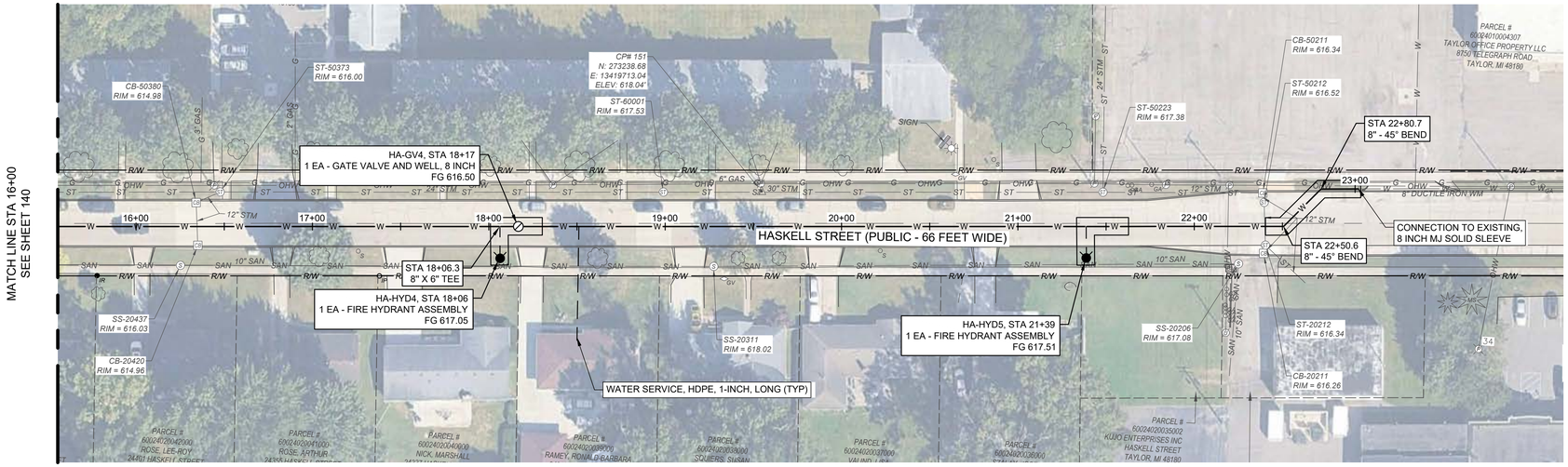
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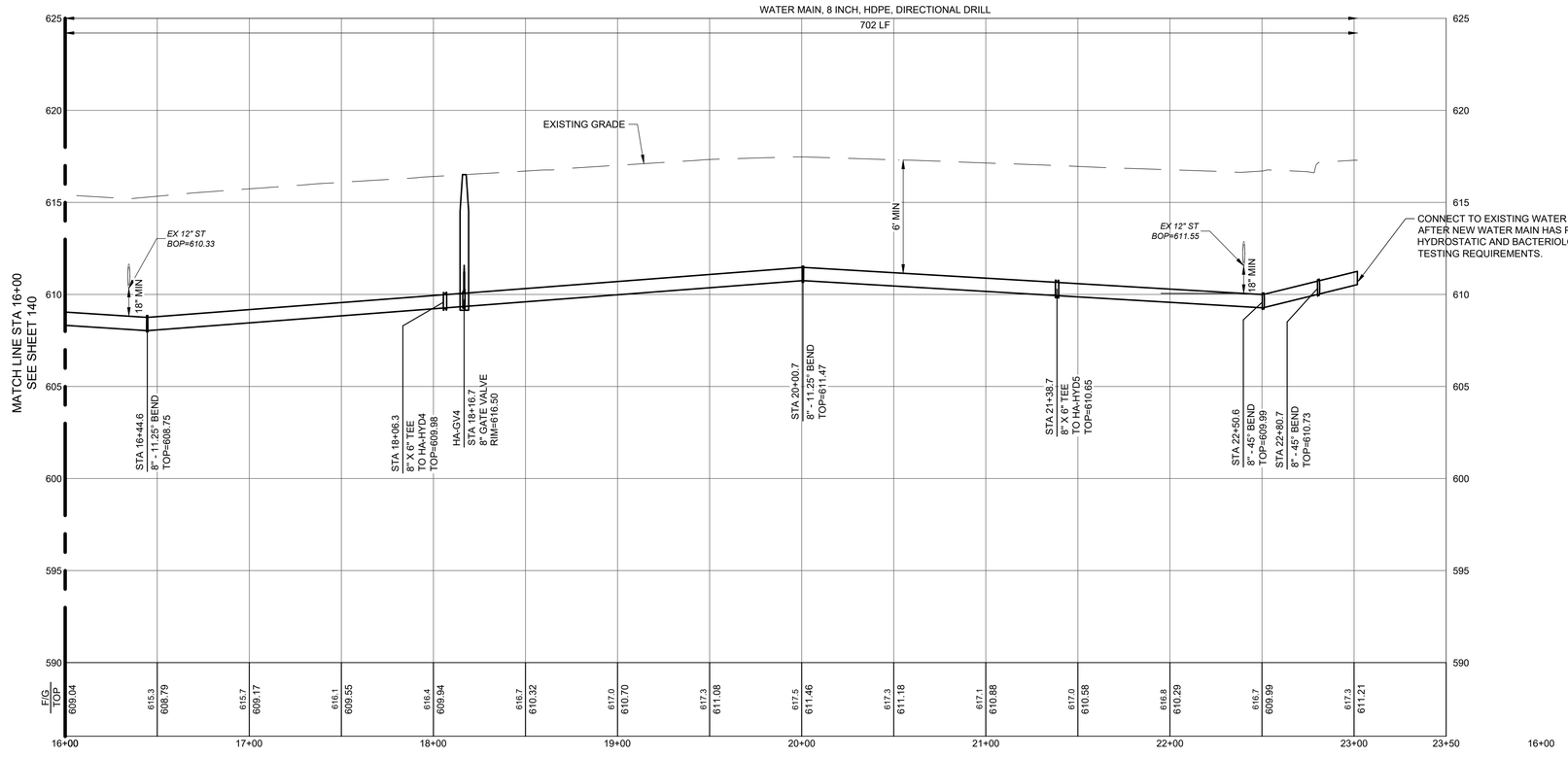
SHEET 140

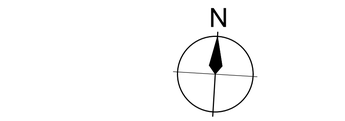
2025 WATER MAIN REHABILITATION DESIGN

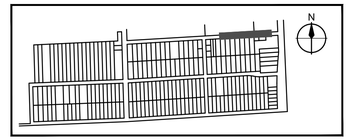
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PROJECT MANAGER: JOELLY MORRIS-ACKLAND
CAD: N:\WADE ACKLAND\2025\HASKELL\DWG\HASKELL.DWG PLOTTED 11/6/2026 10:51 AM BY FLANAGAN, MARTIN









KEY PLAN

SUMMARY OF QUANTITIES THIS SHEET

1	EA	CONNECTION TO EX 8 INCH WM W/ 8" MJ SLEEVE
702	LF	WATER MAIN, 8 INCH, HDPE, DIRECTIONAL DRILL
1	EA	GATE VALVE AND WELL, 8 INCH
1	EA	FIRE HYDRANT ASSEMBLY
1	EA	WATER SERVICE, HDPE, 2-INCH, LONG
7	EA	WATER SERVICE, HDPE, 1-INCH, LONG
1	EA	CURB STOP AND BOX, 2 INCH
7	EA	CURB STOP AND BOX, 1 INCH

Crossing Table			
Station	TOP	BOP	Crossing Distance
16+79	Water 608.80	Storm 610.33	1.53'
30+48	Water 610.05	Storm 611.55	1.50'

*BASED ON BEST AVAILABLE INFORMATION. CONTRACTOR TO FIELD VERIFY.

NOTE:
1. CONTRACTOR WILL FIELD VERIFY LOCATIONS AND DEPTHS OF ALL CROSSING UTILITIES PRIOR TO INSTALLING PROPOSED WATER MAIN PIPE.
2. CONTRACTOR IS ADVISED THAT PROPOSED WATER MAIN IS CROSSING BOTH LIVE AND DEAD GAS SERVICES. CONTRACTOR WILL FIELD VERIFY LOCATION AND DEPTH PRIOR TO CONSTRUCTION.
3. BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS, IT IS UNDERSTOOD THAT THE RESIDENTIAL WATER SERVICE ALONG HASKELL STREET ARE CURRENTLY CONNECTED TO THE WATER MAIN ON MARY STREET VIA REAR- YARD SERVICE CONNECTIONS. THE EXACT LOCATIONS, ALIGNMENTS , AND POINTS OF CONNECTIONS FOR THESE EXISTING SERVICES HAVE NOT BEEN FULLY VERIFIED. THE CITY OF TAYLOR, WADE TRIM, AND THE CONTRACTOR WILL COORDINATE DURING CONSTRUCTION TO LOCATE AND VERIFY ALL EXISTING WATER SERVICE CONNECTIONS AND DETERMINE THE APPROPRIATE RECONNECTION REQUIREMENTS IN THE FIELD. QUANTITIES SHOWN IN THE CONTRACT DOCUMENTS HAVE BEEN DEVELOPED USING THE BEST INFORMATION AVAILABLE AND INCLUDE ALLOWANCES FOR THE INSTALLATION OF NEW WATER SERVICES TO THE HASKELL STREET RESIDENCES AS NECESSARY.

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Taylor, MI 48180
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WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
PROPOSED WATER MAIN PLAN & PROFILE - HASKELL STA 16+00 TO 23+47

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

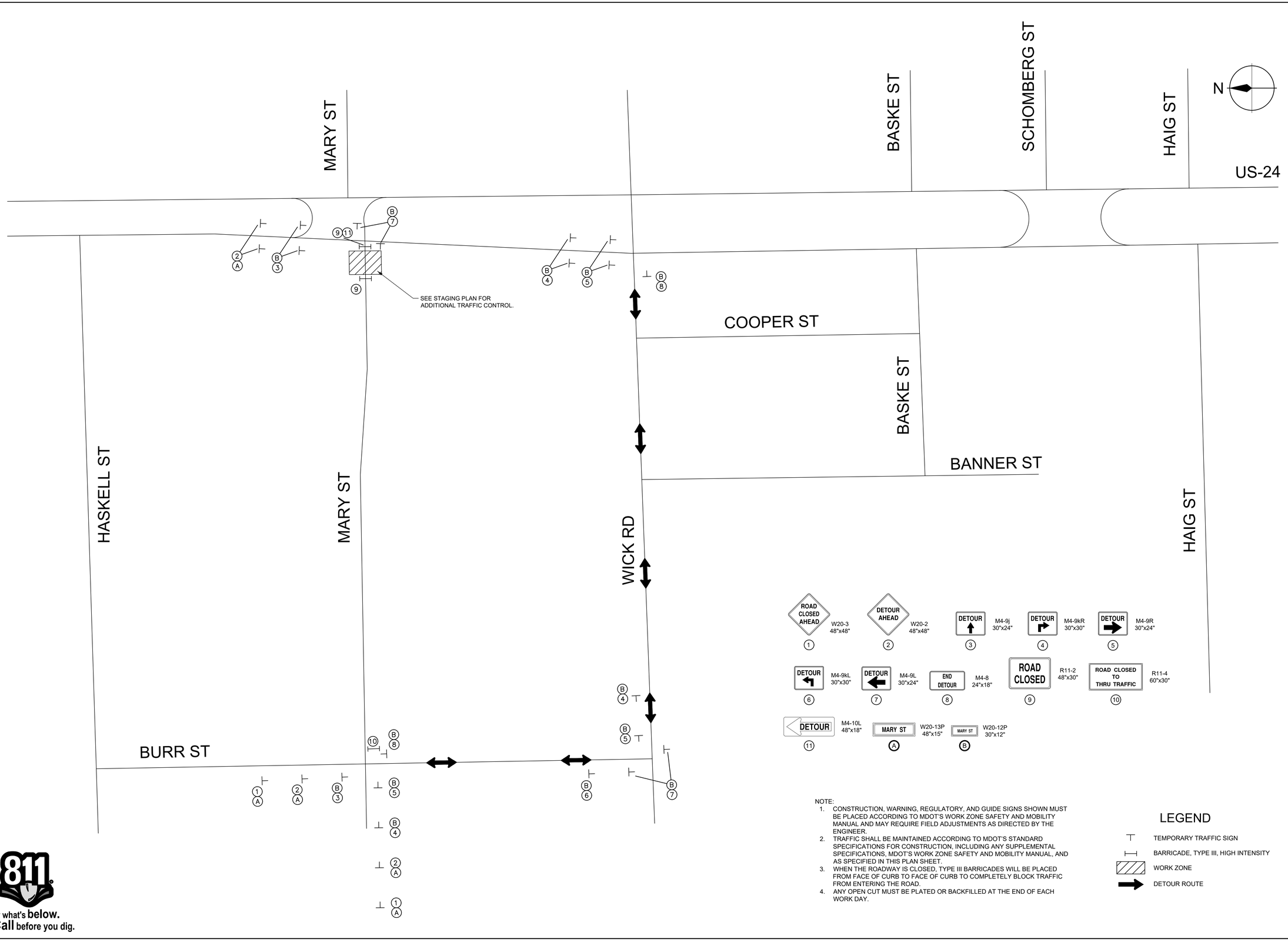
SHEET 141

2025 WATER MAIN REHABILITATION DESIGN

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PROJECT MANAGER: KELLY MORRIS-ACKLAND
CAD: I:\WADE TRIM\TAYLOR\2025 WATER MAIN\HASKELL\DWG PLOTTED 11/6/2026 10:51 AM BY FLANAGAN, MARTIN



NOTE:

1. CONSTRUCTION, WARNING, REGULATORY, AND GUIDE SIGNS SHOWN MUST BE PLACED ACCORDING TO MDOT'S WORK ZONE SAFETY AND MOBILITY MANUAL AND MAY REQUIRE FIELD ADJUSTMENTS AS DIRECTED BY THE ENGINEER.
2. TRAFFIC SHALL BE MAINTAINED ACCORDING TO MDOT'S STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING ANY SUPPLEMENTAL SPECIFICATIONS, MDOT'S WORK ZONE SAFETY AND MOBILITY MANUAL, AND AS SPECIFIED IN THIS PLAN SHEET.
3. WHEN THE ROADWAY IS CLOSED, TYPE III BARRICADES WILL BE PLACED FROM FACE OF CURB TO FACE OF CURB TO COMPLETELY BLOCK TRAFFIC FROM ENTERING THE ROAD.
4. ANY OPEN CUT MUST BE PLATED OR BACKFILLED AT THE END OF EACH WORK DAY.

LEGEND

- TEMPORARY TRAFFIC SIGN
- BARRICADE, TYPE III, HIGH INTENSITY
- WORK ZONE
- DETOUR ROUTE

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WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
MAINTENANCE OF TRAFFIC - DETOUR

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

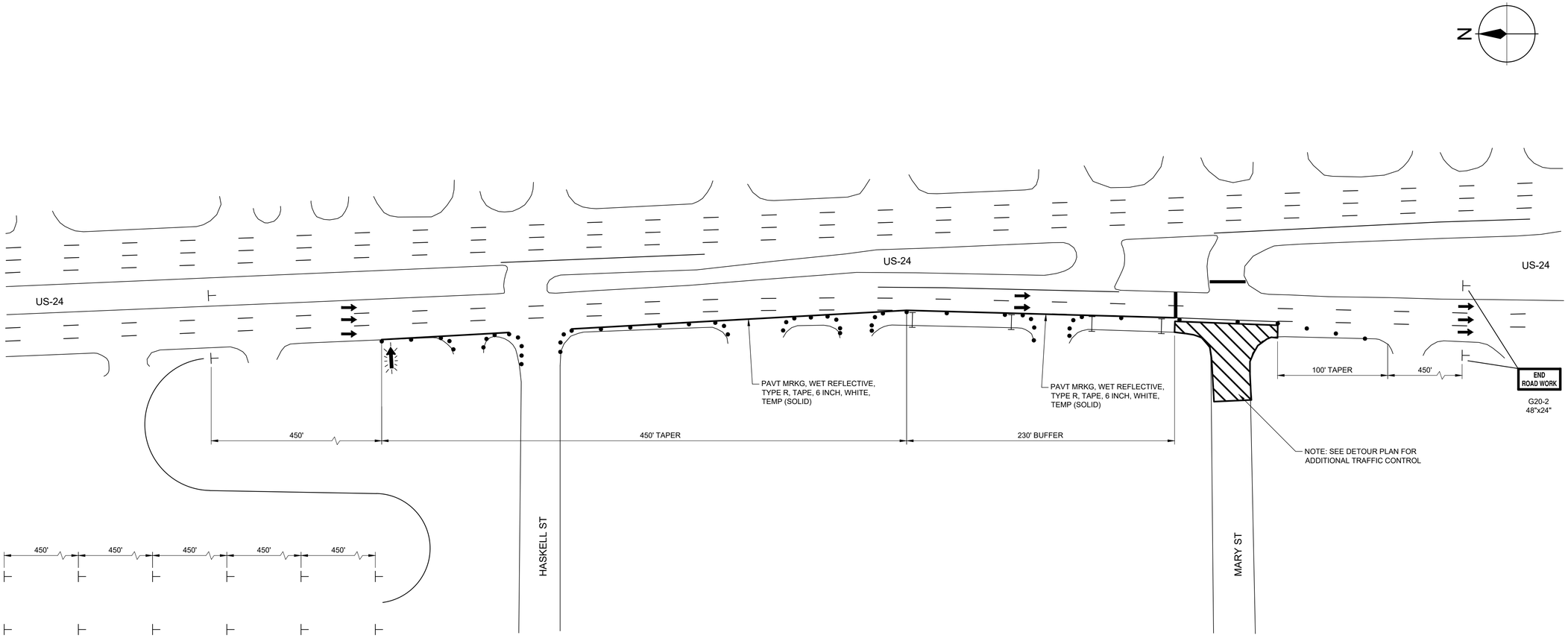
JOB NO. TAY3164-23T

SHEET 142

2025 WATER MAIN REHABILITATION DESIGN

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PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: J:\WORK\2025\3164\23T\CAD\PLOT MARY-HASKELL.DWG PLOTTED 11/6/2026 10:51 AM BY FLANAGAN, MARTIN



NOTE:

1. CONSTRUCTION, WARNING, REGULATORY, AND GUIDE SIGNS SHOWN MUST BE PLACED ACCORDING TO MDOT'S WORK ZONE SAFETY AND MOBILITY MANUAL AND MAY REQUIRE FIELD ADJUSTMENTS AS DIRECTED BY THE ENGINEER.
2. TRAFFIC SHALL BE MAINTAINED ACCORDING TO MDOT'S STANDARD SPECIFICATIONS FOR CONSTRUCTION, INCLUDING ANY SUPPLEMENTAL SPECIFICATIONS, MDOT'S WORK ZONE SAFETY AND MOBILITY MANUAL, AND AS SPECIFIED IN THIS PLAN SHEET.
3. WHEN THE ROADWAY IS CLOSED, TYPE III BARRICADES WILL BE PLACED FROM FACE OF CURB TO FACE OF CURB TO COMPLETELY BLOCK TRAFFIC FROM ENTERING THE ROAD.
4. ANY OPEN CUT MUST BE PLATED OR BACKFILLED AT THE END OF EACH WORK DAY.

LEGEND

- CHANNELIZING DEVICES
- TEMPORARY TRAFFIC SIGN
- BARRICADE, TYPE III, HIGH INTENSITY
- WORK ZONE
- TRAFFIC FLOW
- TRAFFIC FLOW

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WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180

2025 WATER MAIN REHABILITATION DESIGN
MAINTENANCE OF TRAFFIC - MOT CONCEPT

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

JOB NO. TAY3164-23T

SHEET 143

2025 WATER MAIN REHABILITATION DESIGN

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PROJECT MANAGER: KELLY MCROBB-ACKLAND
CAD: K:\WADE\MAINTENANCE OF TRAFFIC\MOT MARY-HASKELL.DWG PLOTTED 11/6/2026 10:51 AM BY FLANAGAN, MARTIN

THE FOLLOWING NOTES APPLY IF CALLED FOR ON THE TRAFFIC TYPICAL

GENERAL NOTES

G1: SEE GEN-SPACING-CHARTS FOR COMMON VALUES INCLUDING:
D = DISTANCE BETWEEN TRAFFIC CONTROL DEVICES
L = MINIMUM LENGTH OF TAPER
B = LENGTH OF LONGITUDINAL BUFFER
ROLL AHEAD DISTANCE

G2: DISTANCE BETWEEN SIGNS, "D", THE VALUES FOR W(ICH) ARE SHOWN IN TYPICAL GEN-KEY ARE APPROXIMATE AND MAY NEED ADJUSTING AS DIRECTED BY THE ENGINEER.

G3: ALL TEMPORARY SIGNS, TYPE III BARRICADES, THEIR SUPPORT SYSTEMS AND LIGHTING MUST MEET NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM REPORT 350 (NCHRP 350) TEST LEVEL 3, OR MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) TL-3 AS WELL AS THE CURRENT EDITION OF THE MICHIGAN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR CONSTRUCTION, THE STANDARD PLANS AND APPLICABLE SPECIAL PROVISIONS. ONLY DESIGNS AND MATERIALS APPROVED BY MDOT WILL BE ALLOWED.

G4: DO NOT STORE EQUIPMENT, MATERIALS OR PERFORM WORK IN ESTABLISHED BUFFER AREAS.

G5: ALL EXISTING PAVEMENT MARKINGS WHICH ARE IN CONFLICT WITH EITHER PROPOSED CHANGES IN TRAFFIC PATTERNS OR PROPOSED TEMPORARY TRAFFIC MARKINGS SHALL BE REMOVED BEFORE ANY CHANGE IS MADE IN THE TRAFFIC PATTERN. EXCEPTION WILL BE MADE FOR TRAFFIC PATTERNS IN PLACE LESS THAN THREE DAYS THAT ARE ADEQUATELY DELINEATED BY OTHER TRAFFIC CONTROL DEVICES.

SIGN NOTES

S1: ALL NON-APPLICABLE SIGNING WITHIN THE CTA MUST BE MODIFIED TO FIT CONDITIONS, COVERED, OR REMOVED. FOR GUIDANCE SEE THE WORK ZONE SAFETY AND MOBILITY MANUAL, SECTIONS 6.01.09 AND 6.01.10.

S2: R5-1Bb SIGNS ARE ONLY REQUIRED ON FREEWAY PROJECTS WITH A DURATION OF 15 DAYS OR LONGER OR NON-FREEWAY PROJECTS WITH A DURATION OF 90 DAYS OR LONGER. TO APPLY THIS TYPICAL WITHOUT R5-1Bb SIGNS, REMOVE THE SIGNS AND CONSOLIDATE THE SEQUENCE AS APPROPRIATE.

S3: R5-1Bc IS ONLY REQUIRED IN THE INITIAL SIGNING SEQUENCE IN THE WORK ZONE. OMIT THIS SIGN IN SUBSEQUENT SEQUENCES IN THE SAME WORK ZONE.

S4: ADDITIONAL SIGNING AND/OR ELONGATED SIGNING SEQUENCES SHOULD BE USED WHEN TRAFFIC VOLUMES ARE SIGNIFICANT ENOUGH TO CREATE BACKUPS BEYOND THE W20-3 SIGNS.

S5: PLACE ADDITIONAL SPEED LIMIT SIGNS REFLECTING THE WORK ZONE SPEED AFTER EACH MAJOR CROSSROAD THAT INTERSECTS THE WORK ZONE, OR AFTER EACH ENTRANCE RAMP THAT COMES ONTO THE FREEWAY WHERE THE REDUCED SPEED IS IN EFFECT. PLACE ADDITIONAL SPEED LIMIT SIGNS AT INTERVALS ALONG THE ROADWAY SUCH THAT NO SPEED LIMIT SIGNS ARE MORE THAN 2 MILES APART. WHEN REDUCED SPEED LIMITS ARE UTILIZED IN THE WORK AREA, PLACE ADDITIONAL SPEED LIMIT SIGNS AT INTERVALS ALONG THE ROADWAY BEYOND THE LIMITS OF THE WORK AREA AS INDICATED IF FORWARD SIGHT DISTANCE AND/OR EXPECT SPEED LIMIT ARE POSTED, OMIT ALL W3-5b AND R2-1 SIGNS AND REDUCE SPACING ACCORDINGLY.

S6: FABRICATE SPECIAL SIGNS IN ACCORDANCE WITH CURRENT SIGNING DESIGN STANDARDS.

S7: PLACE ADDITIONAL R8-3 SIGNS AT A MAXIMUM 500' SPACING THROUGHOUT THE WORK ZONE.

S8: WHEN SPEED LIMIT SIGNS CANNOT BE PLACED SIDE BY SIDE AS SHOWN, PLACE THEM 70' DISTANCE APART.

S9: STOP SIGNS NOT REQUIRED IF SIGNALS ARE ON 4-WAY FLASHING RED. STOP AHEAD SIGNS ARE NOT REQUIRED IF THERE IS ADEQUATE VISIBILITY OF THE STOP SIGN OR IF SIGNALS ARE BEING USED TO CONTROL TRAFFIC.

S10: PLACE REDUCED SPEED ZONE AHEAD SIGN (W3-5b) HERE WHEN USING A SPEED REDUCTION IN THIS DIRECTION.

S11: THE NUMBER OF W1-6 SHIFT SIGNS TO PLACE FOR A SHIFT IS AS FOLLOWS:
SHIFTS 4FT OR LESS, PLACE ONE W1-6(RIGHT)
SHIFTS 5FT TO 12FT, PLACE TWO W1-6(RIGHT)
SHIFTS MORE THAN 12FT, PLACE THREE OR MORE W1-6(RIGHT) SIGNS DEPENDING UPON LENGTH OF SHIFT AND AS PER THE ENGINEER.

S12: PLACE R2-1 SIGNS AS DETAILED IN NOTE S5 WHEN THERE IS A SPEED REDUCTION IN THIS DIRECTION

TRAFFIC REGULATOR NOTES

TR1: TRAFFIC REGULATORS MUST FOLLOW ALL THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS, THE STANDARD PLANS AND APPLICABLE SPECIAL PROVISIONS, THE CURRENT VERSIONS OF THE TRAFFIC REGULATORS INSTRUCTION MANUAL AND THE VIDEO "HOW TO SAFELY REGULATE TRAFFIC IN MICHIGAN". THE MAXIMUM DISTANCE BETWEEN THE TRAFFIC REGULATORS IS DETERMINED BY THE ROADWAY ADT, GEOMETRICS, AND AS DIRECTED BY THE ENGINEER.

TR2: PROVIDE APPROPRIATE BALLOON LIGHTING TO SUFFICIENTLY ILLUMINATE TRAFFIC REGULATOR'S STATIONS WHEN TRAFFIC REGULATING IS ALLOWED DURING THE HOURS OF DARKNESS.

TR3: PROVIDE EITHER A STOP/SLOW AFAD OR A RED/YELLOW LENS AFAD, MEETING THE REQUIREMENTS OF THE MMUTCD

TEMPORARY TRAFFIC CONTROL DEVICE NOTES

TCD1: THE MAXIMUM DISTANCE IN FEET BETWEEN CHANNELIZING DEVICES IN A TAPER SHOULD NOT EXCEED 1.0 TIMES THE WORK ZONE SPEED LIMIT IN MPH FOR ROADWAYS WITH A POSTED WORK ZONE SPEED LIMIT OF 45 MPH OR LESS. AND SHOULD NOT EXCEED 60 FEET ON ROADWAYS WITH A POSTED WORK ZONE SPEED LIMIT OF 45 MPH OR GREATER. THE SPACING FOR 42 INCH CHANNELIZING DEVICE TAPERS ARE NOT TO EXCEED 25 FEET AT NIGHT.

TCD2: THE MAXIMUM DISTANCE IN FEET BETWEEN CHANNELIZING DEVICES IN A TANGENT SHOULD NOT EXCEED TWICE THE WORK ZONE SPEED LIMIT IN MPH FOR ROADWAYS WITH A POSTED WORK ZONE SPEED LIMIT LESS THAN 45 MPH AND SHOULD NOT EXCEED 100 FEET ON ROADWAYS WITH A POSTED WORK ZONE SPEED LIMIT OF 45 MPH OR GREATER. THE SPACING FOR 42 INCH CHANNELIZING DEVICE TANGENTS ARE NOT TO EXCEED 50 FEET AT NIGHT.

TCD3: TYPE III BARRICADES MUST BE LIGHTED FOR OVERNIGHT CLOSURES.

TCD4: WHEN THE HAUL ROAD IS NOT IN USE, PLACE LIGHTED TYPE III BARRICADES WITH "ROAD CLOSED" EXTENDING COMPLETELY ACROSS THE HAUL ROAD.

TCD5: USE OBJECT MARKER SIGNS IN LIEU OF THE TYPE B HIGH INTENSITY LIGHT SHOWN IN THE STANDARD PLAN FOR TEMPORARY CONCRETE BARRIER (R-53, AND R-126) WHEN USED WITH A TEMPORARY SIGNAL SYSTEM. THE OBJECT MARKERS MUST BE A MINIMUM OF 12 INCHES IN WIDTH AND 36 INCHES IN HEIGHT AND HAVE ORANGE AND WHITE RETROREFLECTIVE SHEETING. THE RETROREFLECTIVE SHEETING MUST HAVE ALTERNATING DIAGONAL ORANGE AND WHITE STRIPES SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION VEHICULAR TRAFFIC IS TO PASS.

TCD6: PLACE LIGHTED ARROW PANELS AS CLOSE TO THE BEGINNING OF TAPERS AS PRACTICAL, BUT NOT IN A MANNER THAT WILL OBSCURE OR CONFUSE APPROACHING MOTORISTS WHEN PHYSICAL LIMITATIONS RESTRICT PLACEMENT. IN CURBED SECTIONS, IF ARROW BOARD CANNOT BE PLACED BEHIND CURB, PLACE ARROW BOARD IN THE CLOSED LANE AS CLOSE TO THE BEGINNING OF TAPER AS POSSIBLE.

TCD7: ADDITIONAL TYPE III BARRICADES MAY BE REQUIRED TO COMPLETELY CLOSE OFF ROAD FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.

TCD8: WHERE THE SHIFTED SECTION IS SHORTER THAN 600 FEET, A DOUBLE REVERSE CURVE SIGN (W24-1) CAN BE USED INSTEAD OF THE FIRST REVERSE CURVE SIGN, AND THE SECOND REVERSE CURVE SIGN CAN BE OMITTED.

TCD9: RUMBLE STRIPS ARE TO BE PLACED AS SPECIFIED IN THE CONTRACT. IF NOT SPECIFIED IN THE CONTRACT, PLACE RUMBLE STRIPS AS SHOWN, AND IN ACCORDANCE WITH THE RUMBLE STRIP MANUFACTURER'S RECOMMENDATIONS. AN ARRAY OF RUMBLE STRIPS CONTAINS THREE RUMBLE STRIPS. PLACE THE RUMBLE STRIPS IN THE ARRAY AT A CONSISTENT DISTANCE, BETWEEN 10' AND 25' APART.

TCD10: SEE THE WORK ZONE SAFETY AND MOBILITY MANUAL, PORTABLE CHANGEABLE MESSAGE SIGN GUIDELINES FOR RECOMMENDED AND CORRECT PCMS MESSAGING. STAGGER PCMS THAT ARE ON OPPOSING SIDES OF THE ROAD 1000 FEET FROM EACH OTHER.

RAMP NOTES

RMP1: WHEN CONDITIONS ALLOW, ES-1 SIGNS MUST BE REMOVED OR COVERED AND CHANNELIZING DEVICES MUST BE POSITIONED TO ENABLE RAMP TRAFFIC TO DIVERGE IN A FREE MANNER

RMP2: STOP AND YIELD CONDITIONS SHOULD BE AVOIDED WHENEVER PRACTICAL. WHEN CONDITIONS WARRANT, R1-1 SIGNS MAY BE USED IN PLACE OF R1-2 SIGNS. WHEN R-1 SIGNS ARE USED, W3-1 SIGNS MUST BE USED IN PLACE OF W3-2 SIGNS. CONSIDERATION SHOULD BE GIVEN TO CLOSING THE RAMP TO COMPLETE WORK TO ALLOW AN ADEQUATE WERGE DISTANCE. WORK SHOULD BE EXPEDITED TO AVOID THE STOP AND/OR YIELD CONDITIONS.

THE FOLLOWING NOTES APPLY IF CALLED FOR ON THE TRAFFIC TYPICAL

SIGNAL NOTES:

SIG1: EXISTING SIGNAL MUST BE EITHER 4-WAY FLASHING RED, BAGGED, OR TURNED OFF.

SIG2: SIGNAL IS IN OPERATION.

SIG3: DELINEATE THE WORK ZONE AREA WITH 28 INCH CONES FOR DAYTIME WORK, OR 42 INCH CHANNELIZING DEVICES FOR NIGHTTIME WORK.

SIG4: THE CONTRACTOR MUST HAVE A DESIGNATED SPOTTER IF THE AERIAL BUCKET TRUCK IS LOCATED OVER ACTIVE TRAVEL LANES.

SIG5: THE LOWEST POINT OF THE BUCKET MAY NOT TRAVEL BELOW 14 FOOT VERTICAL CLEARANCE. THE CONTRACTOR MUST UTILIZE AN ALTERNATE SET UP, OR PLACE THE INTERSECTION IN A 4 WAY STOP IF THE 14 FOOT VERTICAL CLEARANCE IS COMPROMIZED. USE TRAFFIC REGULATORS TO CONTROL TRAFFIC THROUGH THE INTERSECTION WHEN TRAFFIC IS PLACED IN A 4 WAY STOP.

SIG6: DELINEATE THE TRUCK WITH CHANNELIZING DEVICES. THE POSITION OF THE TRUCK MAY BE MOVED TO FACILITATE WORK.

MAINTENANCE AND SURVEYING NOTES:

MS1: WHENEVER STOPPING SIGHT DISTANCE EXISTS TO THE REAR, THE SHADOW VEHICLES SHOULD MAINTAIN THE RECOMENDED DISTANCE FROM THE WORK AREA AND PROCEEED AT THE SAME SPEED. THE SHADOW VEHICLE SHOULD SLOW DOWN AND TRAVEL AT A FARTHER DISTANCE TO PROVIDE ADEQUATE SIGHT DISTANCE IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES.

MS2: WORKERS OUTSIDE OF VEHICLES SHOULD WORK WITHIN 150' OF WORK VEHICLES WITH AN ACTIVATED BEACON, BETWEEN THE "BEGIN WORK CONVOY" SIGN AND THE "END WORK CONVOY" SIGN, OR BETWEEN THE "WORK ZONE BEGINS" AND "END ROAD WORK" SIGN.

MS3: WORK OR SHADOW VEHICLES WITH OR WITHOUT A TMA MAY BE USED TO SEPARATE THE WORK SPACE FROM TRAFFIC. IF USED, THE VEHICLES SHOULD BE PARKED ACCORDING TO THE ROLL AHEAD DISTANCE TABLES.

MS4: WORK AND SHADOW VEHICLES SHALL BE APPROPRIATELY EQUIPPED WITH AN ACTIVATED AMBER BEACON.

MS5: WHEN WORKERS ARE OUTSIDE THEIR VEHICLES IN AN EXISTING LANE WHILE A MOBILE OPERATION IS OCCURRING DURING THE NIGHTTIME HOURS, CHANNELIZING DEVICES TO DELINEATE OPEN OR CLOSED LANES AT 50 FT SPACING MUST BE USED. AN EXAMPLE OF AN OPERATION (BUT NOT LIMITED TO) IS THE LAYOUT OF CONCRETE PATCHES.

MS6: W21-6 AND W20-1 SIGNS MAY BE SUBSTITUTED AS DETERMINED BY THE TYPE OF WORK TAKING PLACE AS PER THE ENGINEER.

DISTANCE BETWEEN TRAFFIC SIGNS, "D"

"D" DISTANCES	POSTED SPEED LIMIT, MPH (PRIOR TO WORK AREA)										
	25	30	35	40	45	50	55	60	65	70	75
D (FEET)	250	300	350	400	450	500	550	600	650	700	750

GUIDELINES FOR LENGTH OF LONGITUDINAL BUFFER SPACE, "B"

"B" LENGTHS	SPEED* MPH (PRIOR TO WORK AREA)										
	20	25	30	35	40	45	50	55	60	65	70	75
B (FEET)	33	50	83	132	181	230	279	329	411	476	542	625

* POSTED SPEED, OFF-PEAK 85TH PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED.

MINIMUM MERGING TAPER LENGTH, "L" (FEET)

OFFSET (FEET)	POSTED SPEED LIMIT, MPH (PRIOR TO WORK AREA)										
	25	30	35	40	45	50	55	60	65	70	75
1	11	15	21	27	45	50	55	60	65	70	75
2	21	30	41	54	90	100	110	120	130	140	150
3	32	45	62	80	135	150	165	180	195	210	225
4	42	60	82	107	180	200	220	240	260	280	300
5	53	75	103	134	225	250	275	300	325	350	375
6	63	90	123	160	270	300	330	360	390	420	450
7	73	105	143	187	315	350	385	420	455	490	525
8	84	120	164	214	360	400	440	480	520	560	600
9	94	135	184	240	405	450	495	540	585	630	675
10	105	150	205	267	450	500	550	600	650	700	750
11	115	165	225	294	495	550	605	660	715	770	825
12	125	180	245	320	540	600	660	720	780	840	900
13	136	195	266	347	585	650	715	780	845	910	975
14	146	210	286	374	630	700	770	840	910	980	1050
15	157	225	307	400	675	750	825	900	975	1050	1125

NOT TO SCALE

THE FORMULAS FOR THE MINIMUM LENGTH OF A MERGING TAPER IN DERIVING THE "L" VALUES SHOWN IN THE ABOVE TABLES ARE AS FOLLOWS:

"L" = W X S² / 60 — WHERE POSTED SPEED PRIOR TO THE WORK AREA IS 40 MPH OR LESS

"L" = W X S — WHERE POSTED SPEED PRIOR TO THE WORK AREA IS 45 MPH OR GREATER

L = MINIMUM LENGTH OF MERGING TAPER
S = POSTED SPEED LIMIT IN MPH PRIOR TO WORK AREA
W = WIDTH OF OFFSET

TYPES OF TAPERS

UPSTREAM TAPERS
MERGING TAPER
SHIFTING TAPER
SHOULDER TAPER
2 TO 1 LANE ROAD TAPER

DOWNSTREAM TAPERS
(USE IS RECOMMENDED)

TAPER LENGTH

L - MINIMUM
1/2 L - MINIMUM
1/3 L - MINIMUM
100' - MAXIMUM

100' (PER LANE)

MAXIMUM SPACING FOR CHANNELIZING DEVICES

WORK ZONE SPEED LIMIT	DRUM AND 42" DEVICE SPACING (FT)		NIGHTTIME 42" DEVICE SPACING (FT)	
	TAPER	TANGENT	TAPER	TANGENT
≤ 45 MPH	1 x SPEED LIMIT	2 x SPEED LIMIT	25 FEET	50 FEET
≥ 45 MPH	50 FEET	100 FEET	25 FEET	50 FEET

SIGN OUTLINE KEY

DASHED OUTLINES INDICATE A SIGN THAT EXISTS ON SITE, AND NEEDS TO BE COVERED.



SOLID OUTLINES INDICATE A SIGN THAT IS TO BE PLACED ON THE PROJECT



NOT TO SCALE

GUIDELINES FOR ROLL-AHEAD DISTANCES FOR TMA VEHICLES - TEST LEVEL 2

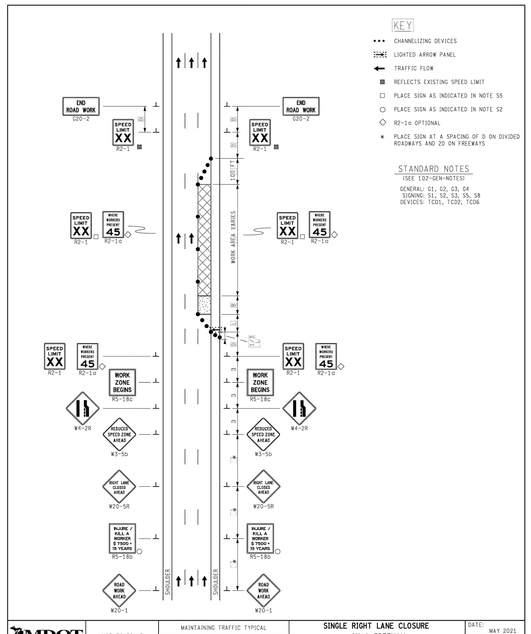
WEIGHT OF TMA VEHICLE	PREVAILING SPEED (POSTED SPEED PRIOR TO WORK ZONE)	ROLL-AHEAD DISTANCE* (DISTANCE FROM FRONT OF TMA VEHICLE TO WORK AREA)
5.5 TONS (STATIONARY)	40 MPH OR LESS	25 FT

* ROLL-AHEAD DISTANCES ARE CALCULATED USING A 4,410 POUND IMPACT VEHICLE WEIGHT.

GUIDELINES FOR ROLL-AHEAD DISTANCES FOR TMA VEHICLES - TEST LEVEL 3

WEIGHT OF TMA VEHICLE	PREVAILING SPEED (POSTED SPEED PRIOR TO WORK ZONE)	ROLL-AHEAD DISTANCE* (DISTANCE FROM FRONT OF TMA VEHICLE TO WORK AREA)
5 TONS (MOBILE)	45 MPH	100 FT
	50-55 MPH	150 FT
	60-75 MPH	175 FT
12 TONS (STATIONARY)	45 MPH	25 FT
	50-55 MPH	25 FT
	60-75 MPH	50 FT

* ROLL-AHEAD DISTANCES ARE CALCULATED USING A 10,000 POUND IMPACT VEHICLE WEIGHT.



STANDARD NOTES

(SEE 102-GEN-NOTES)

GENERAL: G1, G2, G3, G4
SIGNING: S1, S2, S3, S5, S8
DEVICES: TCD1, TCD2, TCD6

REV#	DATE	DESCRIPTION	BY

Wade Trim Associates, Inc.
25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
MDOT DETAILS - MARY & HASKELL

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

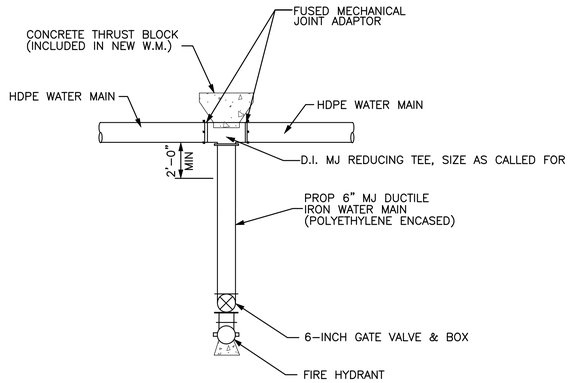
JOB NO. TAY3164-23T

SHEET 144

2025 WATER MAIN REHABILITATION DESIGN

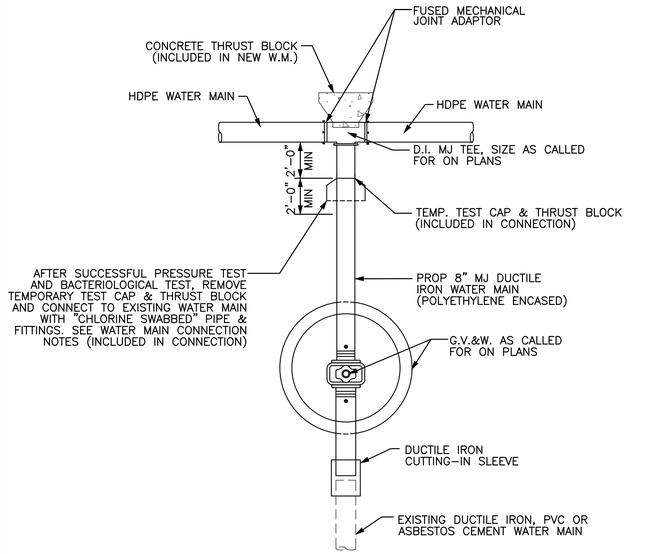
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PROJECT MANAGER: KELLY MCROBB-ACKLAND
PROJECT ENGINEER: MARY HASKELL
J:\2025\A\Roads\Taylor\CAD\MDOT DETAILS.DWG PLOTTED 11/6/2026 10:51 AM BY FLANAGAN, MARTIN



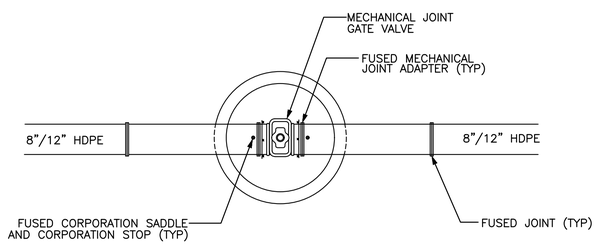
FIRE HYDRANT CONNECTION TO HDPE WATER MAIN

N.T.S.



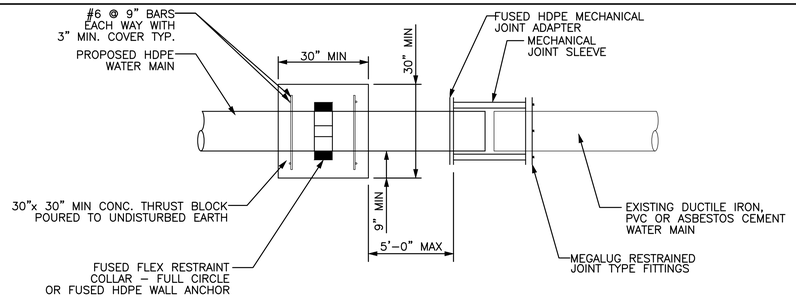
TEE CONNECTION TO EXISTING WATER MAIN DETAIL

N.T.S.



GATE VALVE ON HDPE WATER MAIN

N.T.S.

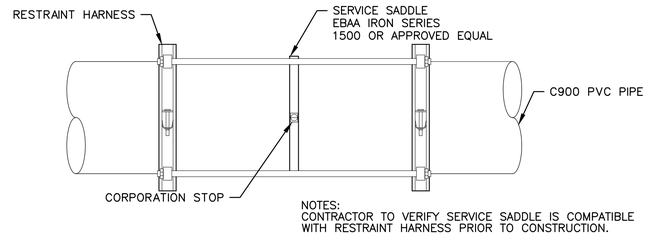


HDPE CONNECTION TO EXISTING WATER MAIN DETAIL

N.T.S.

PVC PIPE SIZE \ TAP SIZE	3/4"	1"	1-1/2"	2"	4"	6"
6"	OK	OK	①	①	①	①
8"	OK	OK	①	①	①	①
10"	OK	OK	①	①	①	①
12"	OK	OK	①	①	①	①
14"	OK	OK	①	①	①	①
16"	OK	OK	OK	OK	①	①
18"	OK	OK	OK	OK	①	①
20"	OK	OK	OK	OK	OK	①
24"	OK	OK	OK	OK	OK	①
30"	OK	OK	OK	OK	OK	OK

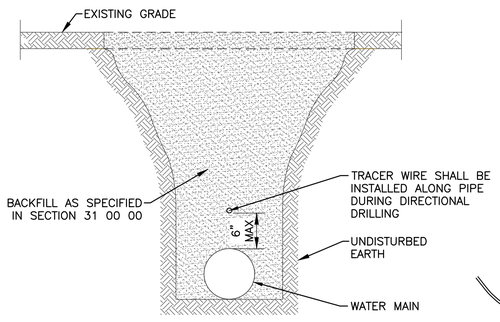
① USE RESTRAINT HARNESS DETAIL



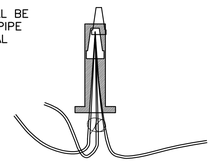
NOTES:
CONTRACTOR TO VERIFY SERVICE SADDLE IS COMPATIBLE WITH RESTRAINT HARNESS PRIOR TO CONSTRUCTION.

RESTRAINT HARNESS DETAIL FOR WATER SERVICES LARGER THAN 1"

N.T.S.



TRACER WIRE TRENCH PLACEMENT



SPLICE CONNECTOR

NOTES:
1. TRACER WIRE TO BE CONTINUOUS FROM END TO END AND TO BE BROUGHT TO THE TOP OF EACH VALVE BOX ON EACH SECTION OF WATER MAIN WITH A 3-FOOT COIL OF WIRE LOOPED IN THE TOP OF THE VALVE BOX.
2. WIRE SHALL BE CONTINUITY TESTED AFTER INSTALLATION. ANY WIRE WHICH FAILS THE CONTINUITY TEST SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER.
3. TRACER WIRE SHALL BE BROUGHT TO THE TOP STEP AT THE GATE VALVE WELLS WITH FINAL PLACEMENT AT THE DIRECTION OF THE ENGINEER.

TRACER WIRE DETAIL

N.T.S.

REV#	DATE	DESCRIPTION	BY

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Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
HDPE WATER MAIN DETAILS

ISSUED FOR:	DATE:	BY:
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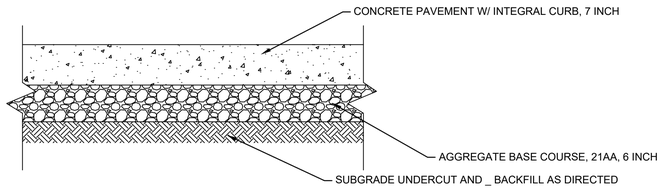
JOB NO. TAY3164-23T

SHEET 145

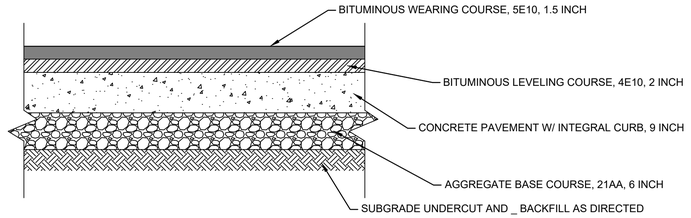
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2025 WATER MAIN REHABILITATION DESIGN

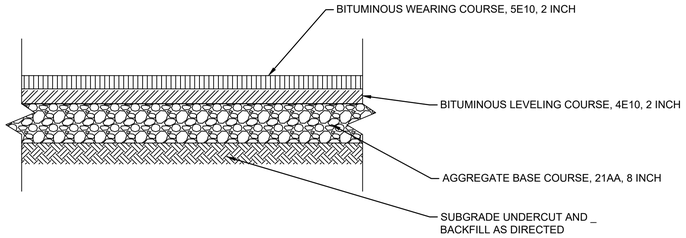
PROJECT MANAGER: KELLY MCROBB-ATKLAND
DESIGNED: AMANDA HOWARD DRAWN: LOG DETAILS.DWG PLOTTED 11/6/2026 10:51 AM BY FLANAGAN, MARTIN



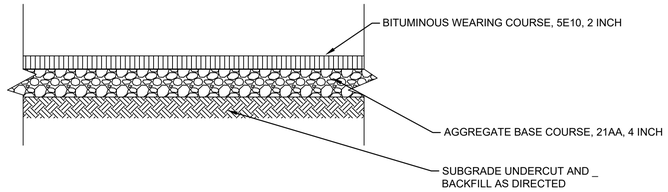
LOCAL ROW: CONCRETE ROAD REPAIR PATCHING DETAILED CROSS SECTION



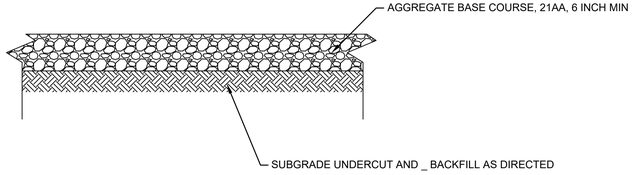
STATE ROW: MINIMUM MDOT ROAD PAVEMENT REPAIR PATCHING DETAILED CROSS SECTION



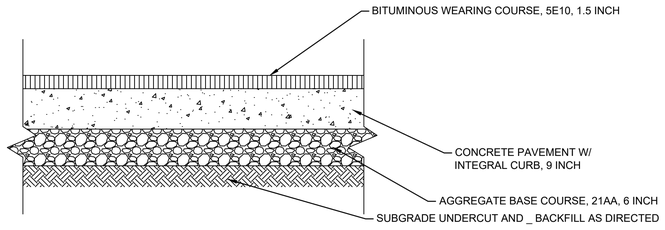
LOCAL ROW: BITUMINOUS ROAD REPAIR PATCHING DETAILED CROSS SECTION



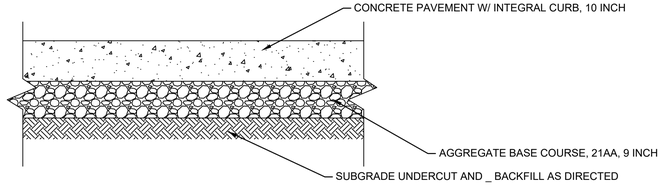
GOLF COURSE PATH: BITUMINOUS ROAD REPAIR PATCHING DETAILED CROSS SECTION



LOCAL ROW: GRAVEL ROAD DETAILED CROSS SECTION



COUNTY ROW: CLASS A ROAD PAVEMENT REPAIR PATCHING DETAILED CROSS SECTION



COUNTY ROW: CONCRETE ROAD REPAIR PATCHING DETAILED CROSS SECTION

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2025 WATER MAIN REHABILITATION DESIGN

PAVEMENT SECTIONS

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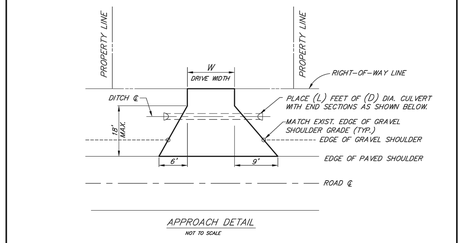
JOB NO.
TAY3164-23T

SHEET
146

2025 WATER MAIN REHABILITATION DESIGN

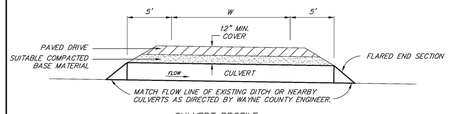
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PROJECT MANAGER: KELLY MCROBB-ACHLAND
PROJECT ENGINEER: KEVIN MARTIN
CAD: J:\ROAD PROJECTS\2025\TAY3164-23T\CAD\DETAILS.DWG PLOTTED 11/6/2026 10:51 AM BY FLANAGAN, MARTIN



APPROACH DETAIL
NOT TO SCALE

L = CULVERT LENGTH (EXCLUDING END SECTIONS).
= W + 10'
D = CULVERT DIAMETER, 12" MIN.



CULVERT PROFILE
NOT TO SCALE

NOTES:

DRIVE WIDTH (W) MAY VARY FROM 10' MINIMUM TO 20' MAXIMUM. ALL PROPOSED DRIVE WIDTHS ARE SUBJECT TO THE APPROVAL OF WAYNE COUNTY ENGINEER.

CULVERT SHALL BE GALVANIZED CORRUGATED STEEL PIPE OR REINFORCED CONCRETE PIPE.

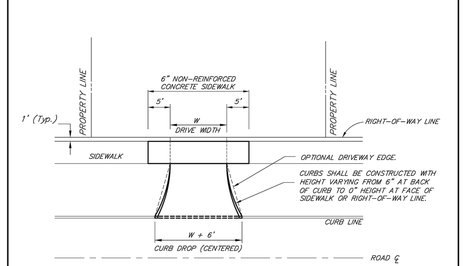
CONSTRUCT DRIVE APPROACH WITH 6" NON-REINFORCED CONCRETE ON SUITABLE BASE OR 2" HOT MIXED ASPHALT (HMA) ON 6" AGGREGATE BASE OR 6" HMA (MIN. TWO LIFTS) ON SUITABLE BASE.

DRIVE APPROACH AND CULVERT SHALL NOT ENCROACH ACROSS PROPERTY LINE EXTENDED WITHOUT WRITTEN APPROVAL FROM THE ADJOINING PROPERTY OWNER.

WORK THIS SHEET WITH THE GENERAL NOTES ON RS-1.

REVISION DATE: 08/01/07	WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES	SCALE
DIRECTOR OF ENGINEERING	ENGINEERING DIVISION/PERMIT OFFICE	NOT TO SCALE
	PERMIT STANDARDS	D-2
DIVISION PERMIT ENGINEER	RESIDENTIAL DRIVE ON PRIMARY PAVED UNCURBED ROAD	SHEET 1 OF 1

NOTE: THIS IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL SIGNED COPY FOR PUBLICATION IS KEPT ON FILE AT THE WAYNE COUNTY ENGINEERING OFFICES.



NOTES:

CURB DROP SHALL BE HORIZONTAL SAW CUT AT 1" ABOVE GUTTER LINE. REFER TO SHEET D-7 FOR CURB CUT DETAILS.

CONSTRUCT DRIVE APPROACH WITH 6" NON-REINFORCED CONCRETE ON SUITABLE BASE OR 2" HOT MIXED ASPHALT (HMA) ON 6" AGGREGATE BASE OR 6" HMA (MIN. TWO LIFTS) ON SUITABLE BASE.

DRIVE WIDTH (W) MAY VARY FROM 10' MINIMUM TO 20' MAXIMUM. ALL PROPOSED DRIVE WIDTHS ARE SUBJECT TO THE APPROVAL OF WAYNE COUNTY ENGINEER.

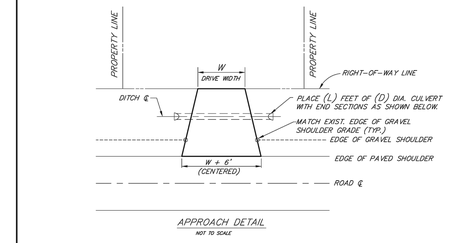
AT ALL CONCRETE DRIVES, PLACE A 1" EXPANSION JOINT AT BACK OF CURB AND ½" EXPANSION JOINT AT FACE OF SIDEWALK OR RIGHT-OF-WAY LINE. MAINTAIN NORMAL SIDEWALK GRADE ACROSS DRIVE, 2.0% SLOPE UP FROM FACE OF SIDEWALK.

DRIVE APPROACH SHALL NOT ENCROACH ACROSS PROPERTY LINE EXTENDED WITHOUT WRITTEN APPROVAL FROM THE ADJOINING PROPERTY OWNER.

WORK THIS SHEET WITH THE GENERAL NOTES ON RS-1.

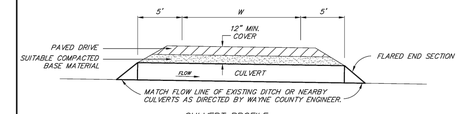
REVISION DATE: 08/01/07	WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES	SCALE
DIRECTOR OF ENGINEERING	ENGINEERING DIVISION/PERMIT OFFICE	NOT TO SCALE
	PERMIT STANDARDS	D-3
DIVISION PERMIT ENGINEER	RESIDENTIAL DRIVE ON LOCAL PAVED CURBED ROAD	SHEET 1 OF 1

NOTE: THIS IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL SIGNED COPY FOR PUBLICATION IS KEPT ON FILE AT THE WAYNE COUNTY ENGINEERING OFFICES.



APPROACH DETAIL
NOT TO SCALE

L = CULVERT LENGTH (EXCLUDING END SECTIONS).
= W + 10'
D = CULVERT DIAMETER, 12" MIN.



CULVERT PROFILE
NOT TO SCALE

NOTES:

DRIVE WIDTH (W) MAY VARY FROM 10' MINIMUM TO 20' MAXIMUM. ALL PROPOSED DRIVE WIDTHS ARE SUBJECT TO THE APPROVAL OF WAYNE COUNTY ENGINEER.

CULVERT SHALL BE GALVANIZED CORRUGATED STEEL PIPE OR REINFORCED CONCRETE PIPE.

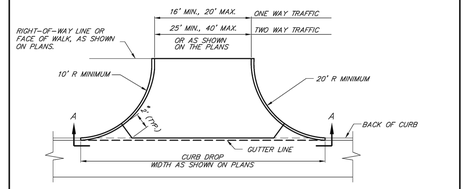
CONSTRUCT DRIVE APPROACH WITH 6" NON-REINFORCED CONCRETE ON SUITABLE BASE OR 2" HOT MIXED ASPHALT (HMA) ON 6" AGGREGATE BASE OR 6" HMA (MIN. TWO LIFTS) ON SUITABLE BASE.

DRIVE APPROACH AND CULVERT SHALL NOT ENCROACH ACROSS PROPERTY LINE EXTENDED WITHOUT WRITTEN APPROVAL FROM THE ADJOINING PROPERTY OWNER.

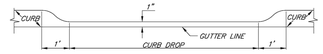
WORK THIS SHEET WITH THE GENERAL NOTES ON RS-1.

REVISION DATE: 08/01/07	WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES	SCALE
DIRECTOR OF ENGINEERING	ENGINEERING DIVISION/PERMIT OFFICE	NOT TO SCALE
	PERMIT STANDARDS	D-4
DIVISION PERMIT ENGINEER	RESIDENTIAL DRIVE ON LOCAL PAVED UNCURBED ROAD	SHEET 1 OF 1

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* 4' FOR ASPHALT DRIVE PAVEMENT



SECTION A-A
NOT TO SCALE

NOTES:

CONSTRUCT THE DRIVE APPROACH WITH 8" NON-REINFORCED CONCRETE ON 6" OF 21AA AGGREGATE BASE COURSE COMPACTED IN PLACE (CIP) OR 6" HMA LEVELING ON 9" OF 21AA AGGREGATE BASE COURSE (CIP).

CURBS SHALL BE CONSTRUCTED WITH HEIGHT VARYING FROM 6" AT BACK OF CURB TO 0" HEIGHT AT FACE OF SIDEWALK OR RIGHT-OF-WAY LINE.

AT ALL CONCRETE DRIVES, PLACE A 1" EXPANSION JOINT AT BACK OF CURB AND ½" EXPANSION JOINT AT FACE OF SIDEWALK OR RIGHT-OF-WAY LINE. MAINTAIN NORMAL SIDEWALK GRADE ACROSS DRIVE, 2% SLOPE UP FROM FACE OF SIDEWALK.

INBOUND OR OUTBOUND RADIUS SHALL BE REDUCED TO 5' FOR ONE-WAY TRAFFIC DRIVE APPROACH.

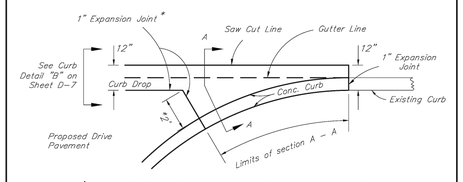
DRIVE APPROACH SHALL NOT ENCROACH ACROSS PROPERTY LINE EXTENDED WITHOUT WRITTEN APPROVAL FROM THE ADJOINING PROPERTY OWNER.

WORK THIS SHEET WITH THE GENERAL NOTES ON RS-1 AND D-6 SHEET 2-2.

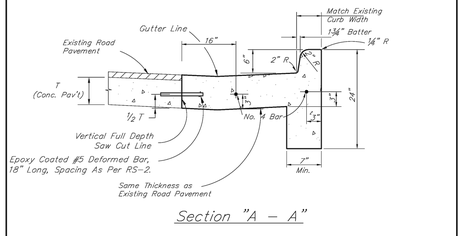
REVISION DATE: 08/01/07	WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES	SCALE
DIRECTOR OF ENGINEERING	ENGINEERING DIVISION/PERMIT OFFICE	NOT TO SCALE
	PERMIT STANDARDS	D-6
DIVISION PERMIT ENGINEER	COMMERCIAL DRIVE APPROACH	SHEET 1 OF 2

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CURB RETURN JOINING EXISTING PAVEMENT



* 4' for HMA Drive Pavement. No Expansion Joint Required.



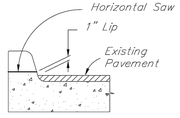
Section "A - A"

WORK THIS SHEET WITH THE GENERAL NOTES ON RS-1.

REVISION DATE: 08/01/07	WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES	SCALE
DIRECTOR OF ENGINEERING	ENGINEERING DIVISION/PERMIT OFFICE	NOT TO SCALE
	PERMIT STANDARDS	D-6
DIVISION PERMIT ENGINEER	COMMERCIAL DRIVE APPROACH	SHEET 2 OF 2

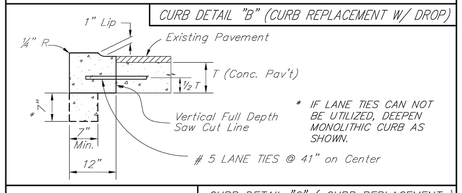
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CURB DETAIL "A" (CURB CUT)



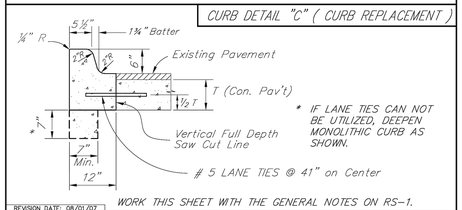
CURB DROP SHALL BE HORIZONTAL SAW CUT AT 1" ABOVE GUTTER LINE. IF THE CURB HAS NOT BEEN HORIZONTALLY CUT SATISFACTORILY, THE CURB CUT WILL HAVE TO BE REMOVED BY SAW CUTTING VERTICALLY AND REPLACED AS PER CURB DETAIL "B".

CURB DETAIL "B" (CURB REPLACEMENT W/ DROP)



* IF LANE TIES CAN NOT BE UTILIZED, DEEPEN MONOLITHIC CURB AS SHOWN.

CURB DETAIL "C" (CURB REPLACEMENT)



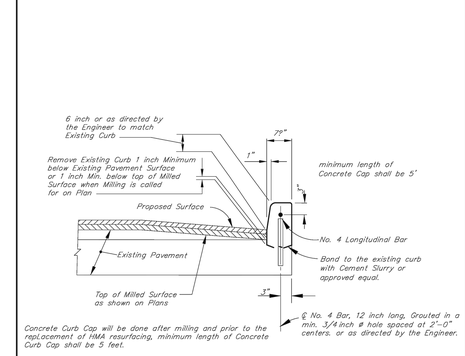
* IF LANE TIES CAN NOT BE UTILIZED, DEEPEN MONOLITHIC CURB AS SHOWN.

WORK THIS SHEET WITH THE GENERAL NOTES ON RS-1.

REVISION DATE: 08/01/07	WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES	SCALE
DIRECTOR OF ENGINEERING	ENGINEERING DIVISION/PERMIT OFFICE	NOT TO SCALE
	PERMIT STANDARDS	D-7
DIVISION PERMIT ENGINEER	CURB DETAIL A , B , C	SHEET 1 OF 3

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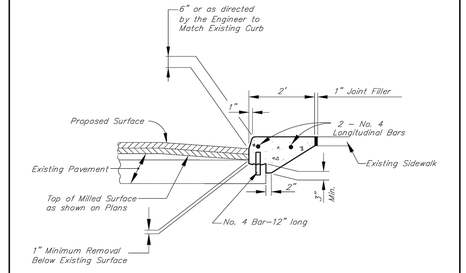
CONCRETE CURB CAP



Concrete Curb Cap will be done after milling and prior to the replacement of HMA resurfacing, minimum length of Concrete Curb Cap shall be 5 feet.

REVISION DATE:	WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES	SCALE
DIRECTOR OF ENGINEERING	ENGINEERING DIVISION/PERMIT OFFICE	NOT TO SCALE
	PERMIT STANDARDS	D-7
DIVISION PERMIT ENGINEER	CONCRETE CURB CAP	SHEET 2 OF 3

NOTE: THIS IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL SIGNED COPY FOR PUBLICATION IS KEPT ON FILE AT THE WAYNE COUNTY ENGINEERING OFFICES.



Note:

Remove existing curb to a minimum of 1 inch below existing pavement surface. If an existing longitudinal sidewalk joint is more than 3"-6" from the curb face, the sidewalk shall be sawed for the Integral Concrete Curb Cap & Walk section. If an existing longitudinal sidewalk joint is closer than 3"-6" from the curb face, the sidewalk shall be removed and replaced outside the Integral Concrete Curb Cap & Walk section. Sidewalk removal and replacement shall be in accordance with the Specifications.

Integral Concrete Curb Cap & Walk (Patching) is curb and walk less than 25 feet in continuous length. Minimum length of patches will be 5 feet.

REVISION DATE: 07/02/2008	WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES	SCALE
DIRECTOR OF ENGINEERING	ENGINEERING DIVISION/PERMIT OFFICE	NOT TO SCALE
	PERMIT STANDARDS	D-7
DIVISION PERMIT ENGINEER	INTEGRAL CONCRETE CURB CAP & WALK	SHEET 3 OF 3

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25251 Northline Road
Taylor, MI 48180
734.947.9700 | www.wadetrim.com

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
WAYNE COUNTY DETAILS

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

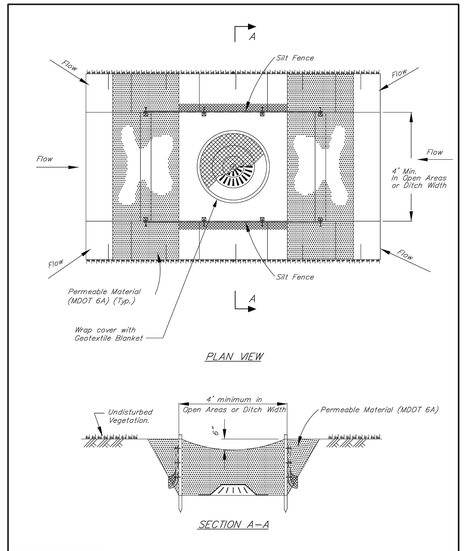
JOB NO.
TAY3164-23T

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2025 WATER MAIN REHABILITATION DESIGN

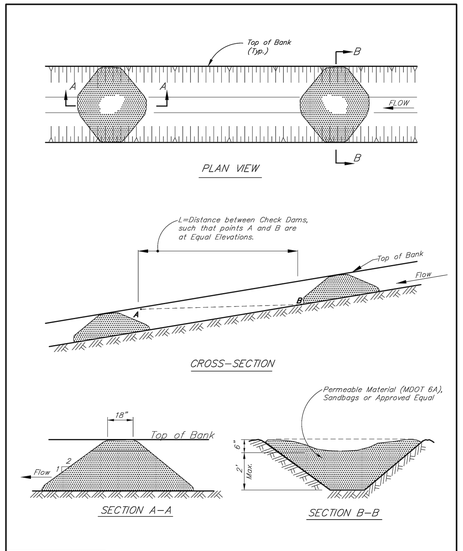
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PROJECT MANAGER: KELLY MCROBB-ACKLAND
CREATED BY: HANNAH.RAMSEY@WADETRIM.COM C:\DETAILS.DWG PLOTTED 11/6/2026 10:51 AM BY FLANAGAN, MARTIN



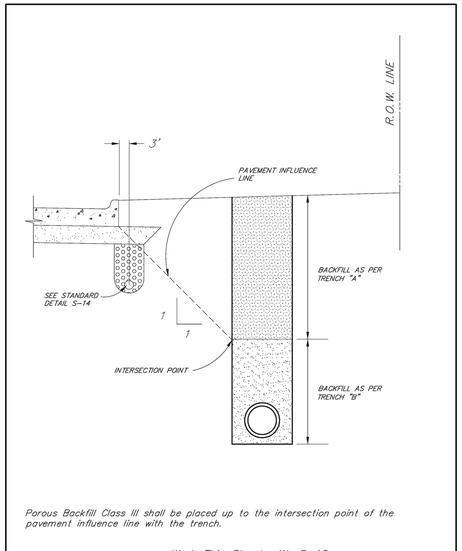
REVISION DATE:	WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES ENGINEERING DIVISION/PERMIT OFFICE PERMIT STANDARDS	SCALE NOT TO SCALE
DIRECTOR OF ENGINEERING	STONE FILTER AT STRUCTURE	M–3
DIVISION PERMIT ENGINEER		SHEET 1 OF 1

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REVISION DATE:	WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES ENGINEERING DIVISION/PERMIT OFFICE PERMIT STANDARDS	SCALE NOT TO SCALE
DIRECTOR OF ENGINEERING	CHECK DAM, TEMPORARY	M–4
DIVISION PERMIT ENGINEER		SHEET 1 OF 1

NOTE: THIS IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL SIGNED COPY FOR PUBLICATION IS KEPT ON FILE AT THE WAYNE COUNTY ENGINEERING OFFICES.



Porous Backfill Class III shall be placed up to the intersection point of the pavement influence line with the trench.

REVISION DATE:	*Work This Sheet with S–12* WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES ENGINEERING DIVISION/PERMIT OFFICE PERMIT STANDARDS	SCALE NOT TO SCALE
DIRECTOR OF ENGINEERING	PAVEMENT INFLUENCE & TRENCH BACKFILL	M–6
DIVISION PERMIT ENGINEER		SHEET 1 OF 1

NOTE: THIS IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL SIGNED COPY FOR PUBLICATION IS KEPT ON FILE AT THE WAYNE COUNTY ENGINEERING OFFICES.

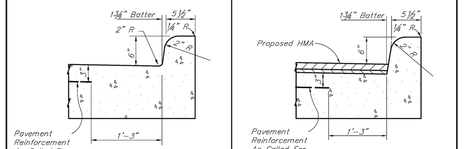
All transverse joints in the concrete pavement shall extend entirely through the integral curb and be of the same kind and thickness as provided for the pavement.

The joint material shall be pre–cut so as to conform to the geometric shape and cross sectional area of the curb, and shall be placed in contact with the filler material in the pavement.

Integral curbs, which are placed as part of a concrete base course pavement shall have transverse plane of weakness joints, formed by placing a pre–molded bituminous filler ¼ inch thick, entirely through the curb, in exact alignment with all joints in the base course pavement. The joint material shall be pre–cut so as to conform to the geometric shape and cross sectional area of the curb.

The edges of all transverse joints in the integral curb shall be rounded with an approved finishing tool having a radius of ¼ inch.

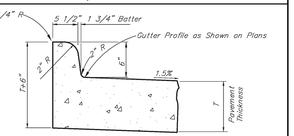
INTEGRAL STRAIGHT CURB



CONCRETE PAVEMENT	TYPE 3	CONCRETE BASE COURSE	TYPE 4

INTEGRAL STRAIGHT CURB W/REVERSE GUTTER PAN

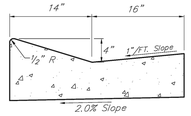
Note:
Reverse Gutter Pan to be used on Island within Cul–De–Sacs and Eyebrows as indicated on Intersection details.



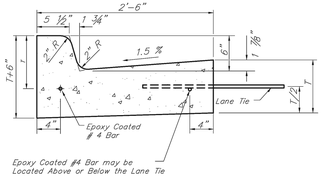
REVISION DATE: 08/01/07	*Work This Sheet with the General Notes on RS–1* WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES ENGINEERING DIVISION/PERMIT OFFICE PERMIT STANDARDS	SCALE NOT TO SCALE
DIRECTOR OF ENGINEERING	CURB AND CURB & GUTTER DETAILS	RS–3
DIVISION PERMIT ENGINEER		SHEET 1 OF 3

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MOUNTABLE CURB AND GUTTER



STRAIGHT CURB AND GUTTER



NOTES:

PLANE OF WEAKNESS JOINTS SHALL BE PLACED BETWEEN EXPANSION JOINTS AT APPROXIMATELY 10' INTERVALS.

EXPANSION JOINTS SHALL BE PLACED 10' EACH SIDE OF ALL CATCH BASINS AND AT THE ENDS OF RADII AT ALL STREET RETURNS AND SEALED WITH HOT–POURED RUBBER ASPHALT COMPOUND.

MATCH CONCRETE PAVEMENT JOINTS NOT TO EXCEED 25' SPACINGS.

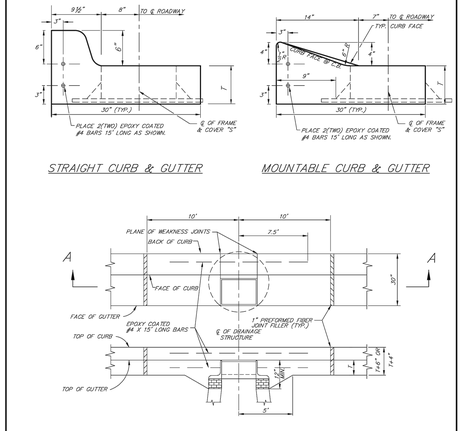
"I" IS THE DEPTH OF PROPOSED CURB AND GUTTER SECTION THAT SHALL MATCH THE THICKNESS OF PROPOSED PAVEMENT, UNLESS OTHERWISE DIRECTED BY THE WAYNE COUNTY ENGINEER OR AS SHOWN ON APPROVED PLANS.

OMIT LANE TIES WHEN PLACING CURB NEXT TO HMA PAVEMENT.

PLACE 1" FIBER JOINT FILTER AT 400' MAXIMUM INTERVALS.

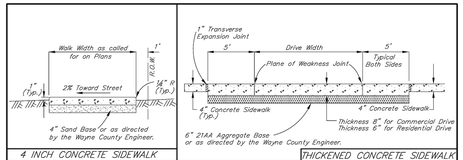
REVISION DATE: 08/01/07	*WORK THIS SHEET WITH THE GENERAL NOTES ON RS–1* WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES ENGINEERING DIVISION/PERMIT OFFICE PERMIT STANDARDS	SCALE NO SCALE
DIRECTOR OF ENGINEERING	CURB AND CURB & GUTTER DETAILS	RS–3
DIVISION PERMIT ENGINEER		SHEET 2 OF 3

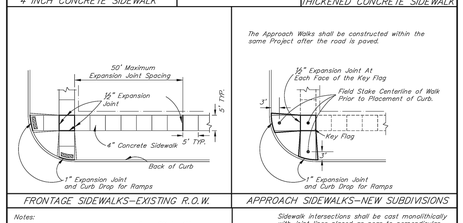
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REVISION DATE: 08/01/07	*WORK THIS SHEET WITH "S" SERIES STANDARDS.* WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES ENGINEERING DIVISION/PERMIT OFFICE PERMIT STANDARDS	SCALE NO SCALE
DIRECTOR OF ENGINEERING	CURB AND CURB & GUTTER DETAILS	RS–3
DIVISION PERMIT ENGINEER		SHEET 3 OF 3

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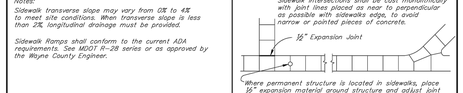


Notes:

Sidewalk transverse slope may vary from 0% to 4% to meet site conditions. When transverse slope is less than 2% longitudinal drainage must be provided.

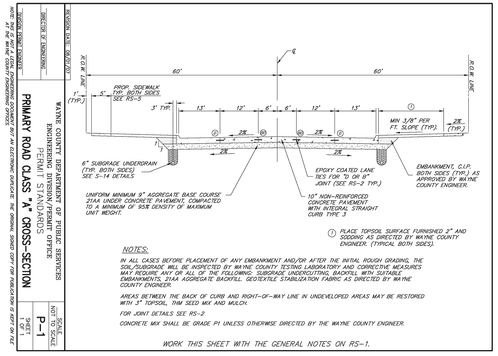
Sidewalk Ramps shall conform to the current ADA requirements. See MDOT R–28 series or as approved by the Wayne County Engineer.

Sidewalk intersections shall be cast monolithically with joint lines placed as near to perpendicular as possible with sidewalks edge, to avoid narrow or pointed pieces of concrete.



REVISION DATE: 08/01/07	*Work this Sheet with the General Notes on RS–1* WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES ENGINEERING DIVISION/PERMIT OFFICE PERMIT STANDARDS	SCALE NOT TO SCALE
DIRECTOR OF ENGINEERING	CONCRETE SIDEWALK	RS–5
DIVISION PERMIT ENGINEER		SHEET 1 OF 1

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REVISION DATE: 08/01/07	*Work This Sheet with the General Notes on RS–1* WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES ENGINEERING DIVISION/PERMIT OFFICE PERMIT STANDARDS	SCALE NOT TO SCALE
DIRECTOR OF ENGINEERING	CURB AND CURB & GUTTER DETAILS	RS–3
DIVISION PERMIT ENGINEER		SHEET 2 OF 3

NOTE: THIS IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL SIGNED COPY FOR PUBLICATION IS KEPT ON FILE AT THE WAYNE COUNTY ENGINEERING OFFICES.

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Taylor, MI 48180
734.947.9700 | www.wadetrim.com

WADE TRIM

CITY OF TAYLOR
23555 GODDARD ROAD
TAYLOR, MI 48180
2025 WATER MAIN REHABILITATION DESIGN
WAYNE COUNTY DETAILS

ISSUED FOR:	DATE:	BY:
BID	11/10/26	KMA

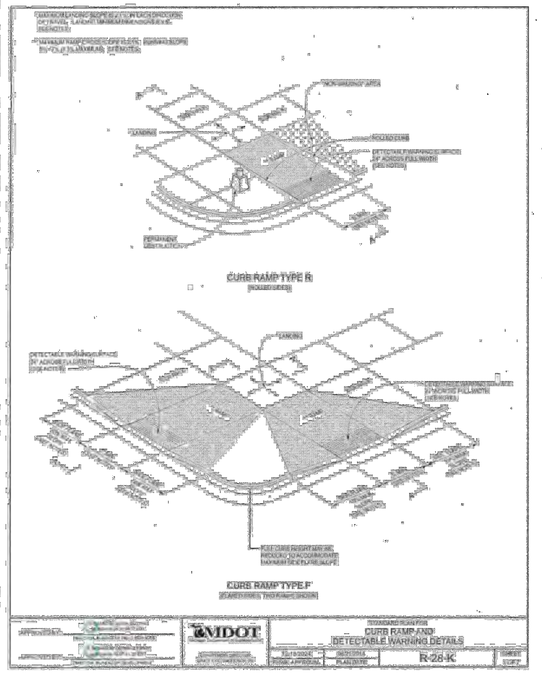
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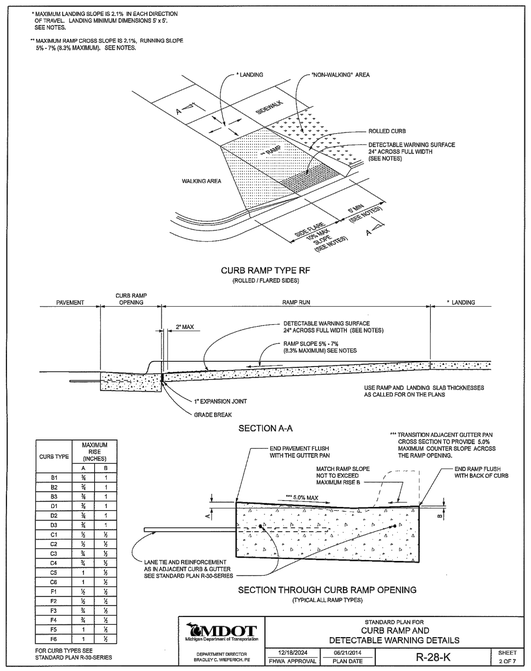
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148

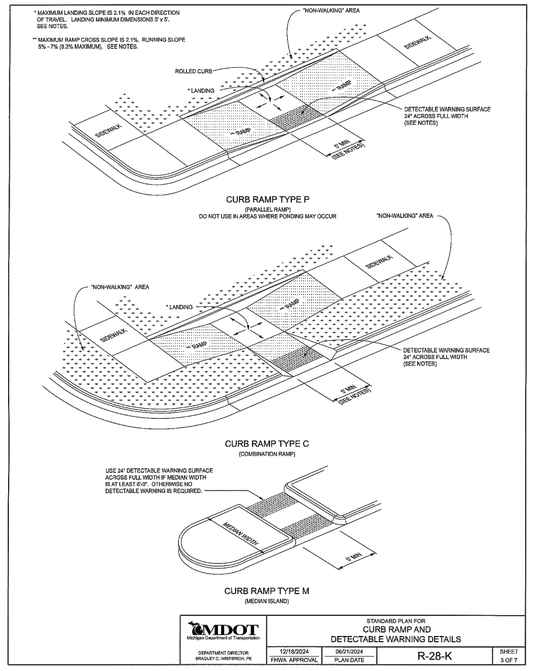
2025 WATER MAIN REHABILITATION DESIGN

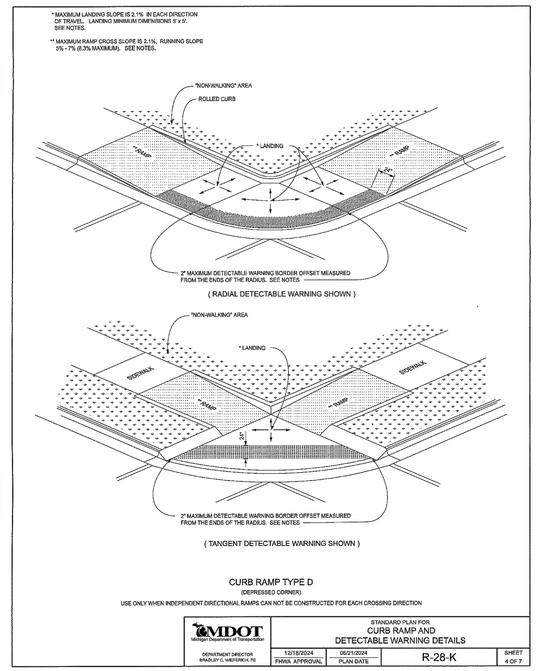
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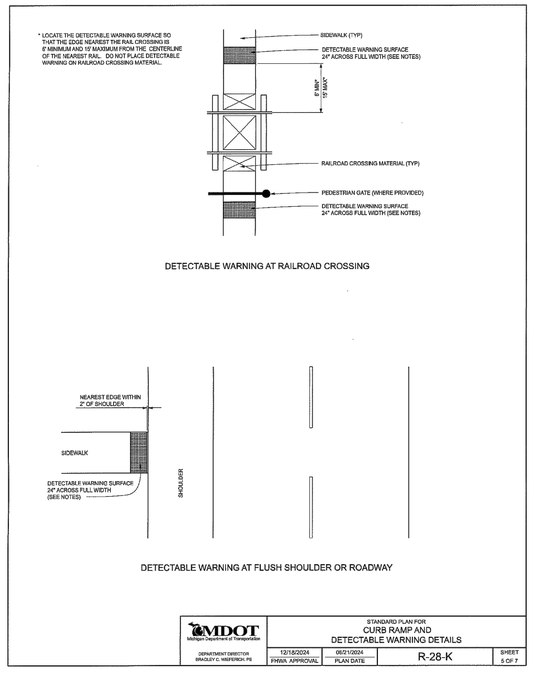
PROJECT MANAGER: KELLY MORRIS–ACKLAND
CREATED BY: JONATHAN RICHARD GOLLING DETAILS.DWG PLOTTED 11/6/2026 10:51 AM BY FLANAGAN, MARTIN

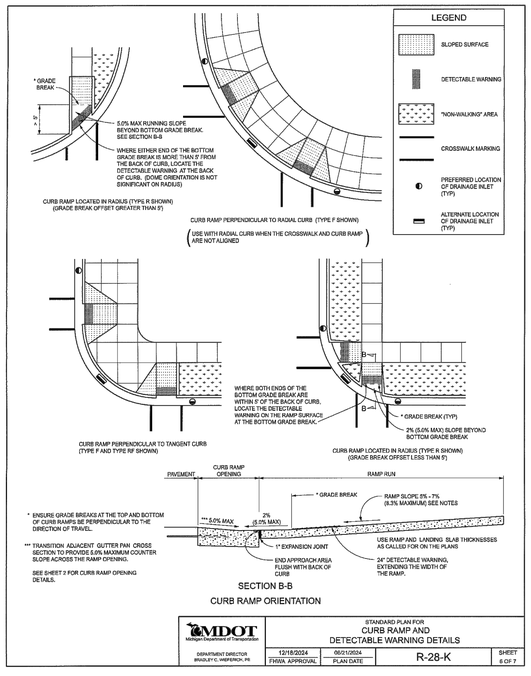


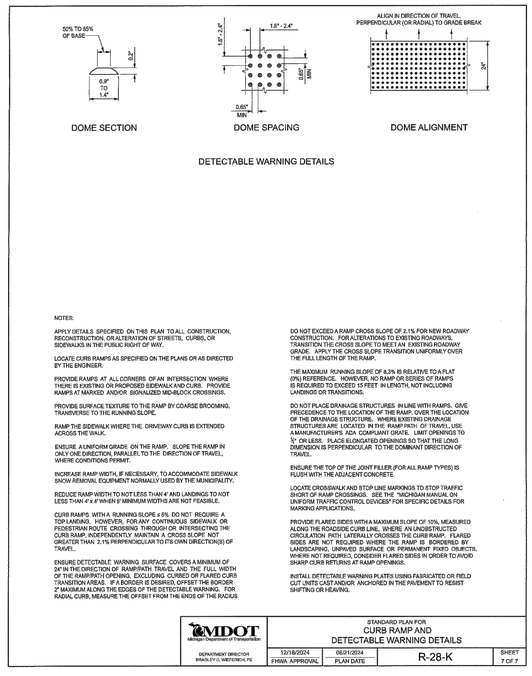












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JOB NO.
TAY3164-23T

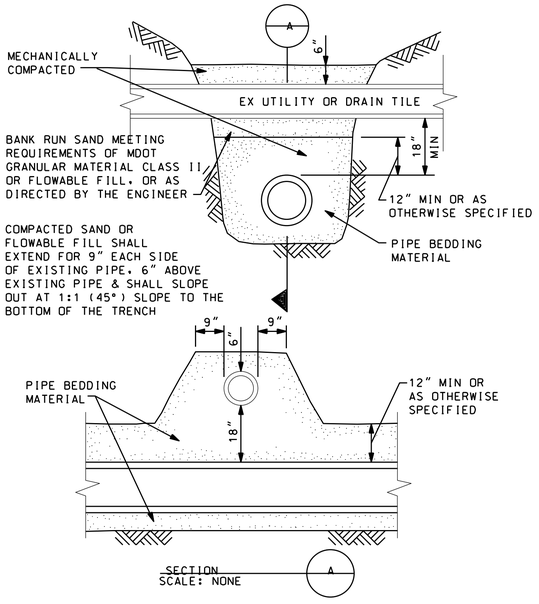
SHEET
149

2025 WATER MAIN REHABILITATION DESIGN

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PROJECT MANAGER: KELLY MCBRIDE-ROLAND
CREATED BY: KYRON MARTIN
PLOTTED: 11/6/2026 10:51 AM BY FLANAGAN, MARTIN
J:\WORK\Taylor\3164-23T\Design\Drawings\MDOT DETAILS.DWG

NOTE:
WHERE CONCRETE ENCASEMENT IS SPECIFIED FOR NEW UTILITY A 6" MINIMUM LAYER OF MECHANICALLY COMPACTED SAND SHALL BE MAINTAINED BETWEEN EXISTING UTILITY & TOP OF CONCRETE ENCASEMENT.



STANDARD PIPE SUPPORT
N.T.S.

GENERAL NOTES

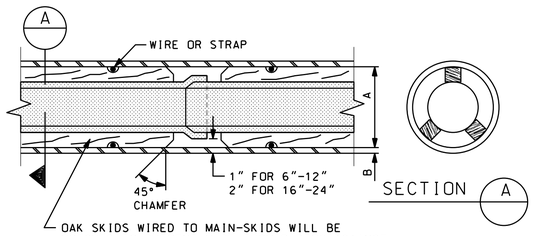
1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL ATTEND A PRECONSTRUCTION MEETING, AT A TIME AND PLACE AS ARRANGED BY THE COMMUNITY, IN WHICH VARIOUS UTILITY COMPANIES AND GOVERNMENTAL AGENCY REPRESENTATIVES WILL BE PRESENT.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST HAVE IN HIS POSSESSION A COPY OF ALL PERMITS NECESSARY TO CONSTRUCT A CONNECTION TO, OR AN EXTENSION OF, THE WATER SUPPLY, SANITARY SEWER, OR STORM SEWER SYSTEMS.
3. THE CONTRACTOR SHALL MAINTAIN HIS CONSTRUCTION OPERATIONS WITHIN THE PRESENTLY EXISTING ROAD RIGHTS-OF-WAY AND EASEMENTS AS NOTED ON THE PLANS THROUGHOUT THE PROJECT. IN THE EVENT THAT THE CONTRACTOR DEEMS IT NECESSARY OR ADVISABLE TO OPERATE BEYOND THE LIMITS OF THE EXISTING RIGHTS-OF-WAY OR EASEMENTS, HE SHALL BE RESPONSIBLE FOR MAKING SPECIAL WRITTEN AGREEMENTS WITH THE PROPERTY OWNERS AND SHALL FURNISH SUCH COPIES OF AGREEMENTS TO THE COMMUNITY AND ENGINEER.
4. THE CONTRACTOR SHALL NOTIFY "MISS DIG" (800-482-7171) 3 DAYS (NOT INCLUDING HOLDAYS OR WEEKENDS) BEFORE STARTING CONSTRUCTION. HE SHALL MAKE ANY NECESSARY ARRANGEMENTS WITH UTILITY COMPANIES FOR RELOCATION OF EXISTING UTILITIES. THESE ARRANGEMENTS SHALL BE MADE IN SUFFICIENT TIME TO ALLOW THE RELOCATION WORK TO BE COMPLETED WITHOUT INTERFERING WITH OR DELAYING THE SEWER CONSTRUCTION.
5. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND THE ENGINEER 48 HOURS PRIOR TO UNCOVERING ANY EXISTING UTILITIES.
6. ON ALL WORK WITHIN THE WAYNE COUNTY RIGHT-OF-WAY, THE CONTRACTOR SHALL NOTIFY THE COUNTY ENGINEER AND THE COMMUNITY 72 HOURS PRIOR TO THE START OF ANY CONSTRUCTION.
7. THE CONTRACTOR SHALL MAINTAIN ALL TRAFFIC AT ALL TIMES AS PER THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
8. THE CONTRACTOR SHALL AT ALL TIMES PROVIDE EMERGENCY ACCESS TO PROPERTY IN THE VICINITY OF THE CONSTRUCTION FOR POLICE AND FIRE EQUIPMENT, AMBULANCES OR OTHER EMERGENCY VEHICLES TO PROTECT LIFE, HEALTH AND PROPERTY.
9. THE CONTRACTOR SHALL MAINTAIN PUBLIC ROADS AFFECTED BY THE CONSTRUCTION OPERATIONS IN A PASSABLE CONDITION UNTIL SUCH TIME AS FINAL RESTORATION OF THESE IMPROVEMENTS CAN BE MADE. IF THE PUBLIC SAFETY IS IN DANGER OR THE NECESSITY EXISTS FOR MAINTAINING TRAFFIC, BACKFILLING MUST BE COMPLETED IMMEDIATELY. IN THE EVENT THAT THE NECESSARY BACKFILL MATERIAL AND EQUIPMENT ARE NOT AVAILABLE WHEN DIRECTION IS GIVEN FOR IMMEDIATE BACKFILL, THE TRENCH SHALL BE BACKFILLED WITH NATIVE MATERIAL TO PROVIDE FOR THE NECESSARY MAINTENANCE OF TRAFFIC AND SAFETY; HOWEVER, THE NATIVE MATERIAL SHALL BE REMOVED WITHIN 48 HOURS AND THE TRENCH PROPERLY BACKFILLED.

GENERAL NOTES CONTINUED

10. NO STREET, ROAD OR SECTION THEREOF SHALL BE CLOSED TO THROUGH TRAFFIC UNLESS AUTHORIZED BY THE AGENCY WITH JURISDICTION OVER THE ROADS. PRIOR TO CLOSING A STREET, ROAD, OR SECTION THEREOF, THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A COPY OF A DETOUR PLAN APPROVED BY THE AGENCY HAVING JURISDICTION OVER THE ROADS.
11. IN THE EVENT ROADS ARE TO BE CLOSED, THE CONTRACTOR SHALL NOTIFY THE LOCAL FIRE DEPARTMENT, POLICE DEPARTMENT, LOCAL ROAD AUTHORITY, AMBULANCE AND EMERGENCY SERVICES, DEPARTMENT OF PUBLIC WORKS, PUBLIC TRANSIT AUTHORITY, PUBLIC SCHOOL SYSTEM, LOCAL TRASH PICKUP AUTHORITY, AND PUBLIC AND PRIVATE UTILITIES DAILY AS TO WHAT STREETS WILL BE PARTLY BLOCKED OR CLOSED, THE LENGTH OF TIME THE STREETS WILL BE BLOCKED OR CLOSED AND WHEN THE STREETS WILL BE REOPENED TO TRAFFIC.
12. PAVED STREETS AND DRIVEWAYS SHALL BE MAINTAINED IN A REASONABLE STATE OF CLEANLINESS AND THE CONTRACTOR SHALL REMOVE ACCUMULATIONS OF DEBRIS CAUSED BY HIS OPERATIONS. THE CONTRACTOR SHALL HAVE, AS A MINIMUM, AN OPERATING SWEEPER BROOM ON THE SITE AT ALL TIMES. THE PAVEMENT SHALL BE CLEANED AT THE CLOSE OF EACH DAYS OPERATION AND AS OFTEN AS NECESSARY BEFORE THAT TIME. FAILURE TO COMPLY SHALL BE CAUSE TO STOP CONSTRUCTION. CONTRACTOR SHALL ALSO COMPLY WITH THE LOCAL AIR POLLUTION CONTROL ORDINANCE.
13. ALL GRAVEL AND DIRT ROADS, STREETS OR DRIVEWAYS USED SHALL BE MAINTAINED BY GRADING, PLACING DUST PALLIATIVES, AND MAINTENANCE GRAVEL IN SUFFICIENT QUANTITIES TO ELIMINATE DUST AND MAINTAIN TRAFFIC AS DIRECTED BY THE AGENCY.
14. CONTRACTOR SHALL PROVIDE ALL NECESSARY SHEETING, SHORING, DEWATERING, BRACING, TRENCH BOXES, ETC., TO PERFORM WORK SAFELY AND PROTECT EXISTING UTILITIES AND IMPROVEMENTS.
15. THE FLOW IN THE EXISTING SEWERS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
16. CULVERTS, DITCHES, DRAIN TILES, TILE FIELD, DRAINAGE STRUCTURES, ETC., THAT ARE DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE IMMEDIATELY RESTORED.
17. ALL PROPERTY IRONS AND MONUMENTS, IF DISTURBED OR DESTROYED BY THE CONTRACTOR'S OPERATION, SHALL BE REPLACED BY A LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
18. AFTER ALL THE PIPE, STRUCTURES, ETC., HAVE BEEN LAID, CONSTRUCTED, AND BACKFILLED, THE SYSTEM SHALL BE TESTED AND FINAL INSPECTED. THE INSPECTION AND TESTING SHALL CONSIST OF A FIRST INSPECTION, TELEVISION INSPECTION (IF APPLICABLE) TESTING, AND FINAL INSPECTION AND MEASUREMENT. THE CONTRACTOR SHALL PROVIDE THE NECESSARY SUPERVISION, LABOR, TOOLS, EQUIPMENT, AND THE MATERIALS NECESSARY FOR THE TESTS WHICH SHALL BE CONDUCTED IN THE PRESENCE OF THE ENGINEER. THE ENGINEER SHALL BE NOTIFIED TWO (2) WORKING DAYS IN ADVANCE OF ALL TESTING.

GENERAL NOTES CONTINUED

19. THE FIRST INSPECTION SHALL BE COMPLETED AND ALL REPAIRS MADE IN AMPLE TIME SO THAT THE TELEVISION INSPECTION OF THE UNDERGROUND PORTION OF THE SYSTEM CAN BE COMPLETED WITHIN FOUR (4) WEEKS OF THE COMPLETION OF THE CONSTRUCTION. WHEN RE-TELEVISION IS NECESSARY, AN ADDITIONAL TWO (2) WEEKS WILL BE ALLOWED FOR COMPLETION. TESTING OF THE SYSTEM AS HEREIN DESCRIBED SHALL IMMEDIATELY FOLLOW THE TELEVISION INSPECTION AND SHALL BE COMPLETED WITHIN A TWO (2) WEEK PERIOD.
20. FAILURE TO MAINTAIN A SCHEDULE IN COMPLIANCE WITH THESE TERMS WILL AUTOMATICALLY CAUSE THE STOPPAGE OF OTHER WORK AT THE PARTICULAR SITE IN QUESTION UNTIL SUCH TIME AS THE FINAL INSPECTION OF THE COMPLETED UNDERGROUND PORTION OF THE SYSTEM HAS PROGRESSED TO ACCEPTABLE LIMITS.
21. THE CONTRACTOR SHALL HAVE THE UNDERGROUND PORTION OF THE SEWER SYSTEM READY FOR THE FIRST INSPECTION WITHIN TWO (2) WEEKS AFTER THE COMPLETION OF UTILITY.
22. THE FIRST INSPECTION SHALL CONSIST OF A VISIBLE AND AUDIBLE CHECK OF SEWERS, MANHOLES, GATE WELLS, AND OTHER STRUCTURES TO ASCERTAIN THAT THE STRUCTURE STEPS HAVE BEEN PLACED, ALL LIFT HOLES PLUGGED, THE CHANNELING OF THE MANHOLE BOTTOMS COMPLETED, ALL VISIBLE OR AUDIBLE LEAKS STOPPED, ALL PIPE HAS BEEN PLACED STRAIGHT AND TRUE TO THE PROPER GRADES AND ELEVATION, THE REQUIRED ADJUSTING RINGS AND FRAME AND COVER PROPERTY INSTALLED, ALL TRENCHES AND STRUCTURES BACKFILLED IN AN ACCEPTABLE MANNER AND THAT THE SYSTEM HAS BEEN THOROUGHLY CLEANED.
23. THE FIRST INSPECTION SHALL BE CONSIDERED COMPLETED WHEN ALL THE REPAIRS HAVE BEEN MADE AND THE SYSTEM IS READY FOR A TELEVISION INSPECTION AND SUBSEQUENT TESTING.
24. TRENCH BACKFILL UNDER ROAD SURFACES, PAVEMENTS, CURBS, DRIVEWAY, SIDEWALK AND WHERE THE TRENCH EDGE IS WITHIN 3-FEET OF THE PAVEMENT SHALL BE TRENCH B (SAND) PER SPECIFICATIONS SECTION 312333, TRENCHING AND BACKFILLING.
25. AFTER ALL TESTING, TELEVISION INSPECTION, FINAL RESTORATION AND CLEAN-UP HAS BEEN COMPLETED, A FINAL INSPECTION AND MEASUREMENT WILL BE DONE. THE FINAL INSPECTION SHALL BE REQUESTED BY THE CONTRACTOR AND CONSIST OF, BUT IS NOT LIMITED TO, CHECKING FOR PROPER ALIGNMENT, PROPER GRADE, CLEANLINESS, LEAKS, CONFORMANCE TO THE PLANS AND SPECIFICATION, PROPER STRUCTURAL AND MECHANICAL ADJUSTMENTS, AND RESTORATION. FINAL MEASUREMENT INCLUDES STRUCTURE ELEVATIONS, DISTANCES BETWEEN STRUCTURES, AND CONFIRMATION UTILITIES ARE LOCATED WITHIN EASEMENT AND RIGHT-OF-WAY AREAS.
26. SUCCESSFUL COMPLETION OF ANY TEST OR INSPECTION SHALL NOT RELIEVE THE CONTRACTOR FROM THEIR RESPONSIBILITY TO CORRECT ANY DEFICIENCY OR NONCONFORMANCE TO THE PLANS OR SPECIFICATIONS WHICH MAY THEREAFTER BECOME KNOWN.

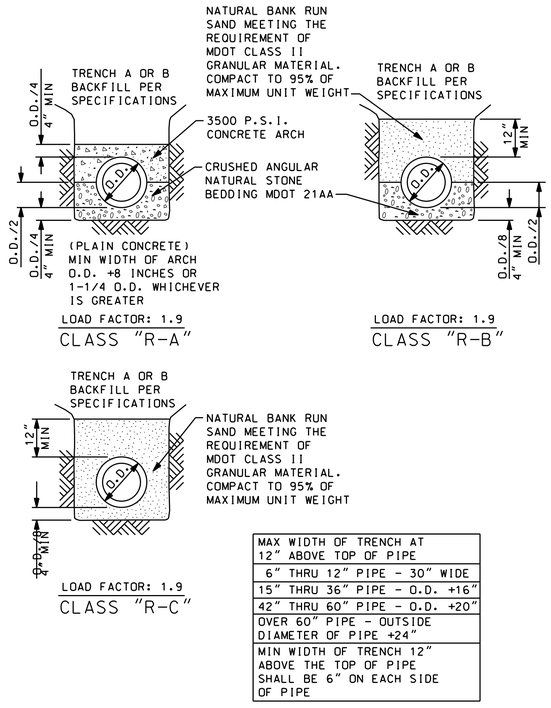


DIA OF SEWER	DIA OF MAIN	MIN "A"	ROAD CROSSING MIN "B"	RAILROAD CROSSING MIN "B"
	6"	16"	.375	.375
	8"	16"	.375	.375
	12"	20"	.375	.438
10"	16"	24"	.375	.500
12" & 15"	20"	30"	.375	.500
18"	24"	36"	.375	.500

CASING PIPE SHALL BE WELDED STEEL PIPE A.S.T.M. A-252, GR 2 UNLESS OTHERWISE SPECIFIED.

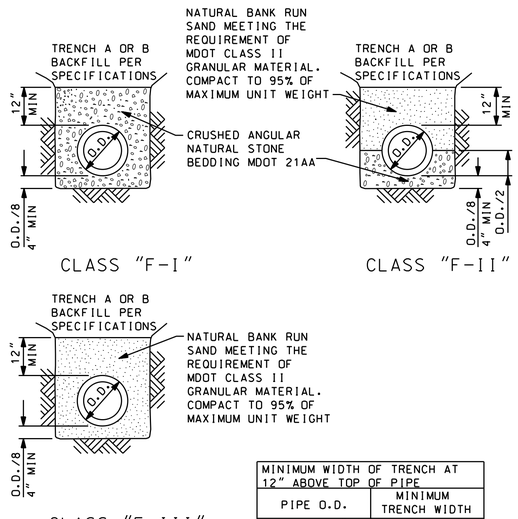
NOTES:
1. NO WATER SHALL BE USED IN BORING UNDER RAILROADS.
2. MAINTAIN MINIMUM OF 5'-6" OF COVER BETWEEN BASE OF RAIL AND TOP OF CASING.
3. THE ENDS OF THE CASING SHALL BE SUITABLY PROTECTED AGAINST THE ENTRANCE OF FOREIGN MATERIAL, BUT SHALL NOT BE TIGHTLY SEALED.
4. WHEN BORING ALL VOIDS OUTSIDE OF CASING PIPE SHALL BE FILLED BY MEANS OF PRESSURE GROUTING WITH 1:3 CEMENT-SAND MORTAR. THIS WORK MUST BE ACCOMPLISHED WITHIN 24 HOURS AFTER THE CROSSING HAS BEEN COMPLETED. BORING SHALL EXTEND A MINIMUM OF 10 FEET OUTSIDE THE EDGES OF THE PAVEMENT.
5. SKIDS ARE TO BE MINIMUM OF 80% OF PIPE LENGTH.
6. CASING SPACERS AS ALLOWED BY THE ENGINEER.

STANDARD CASING SECTON



MAX WIDTH OF TRENCH AT 12" ABOVE TOP OF PIPE
6" THRU 12" PIPE - 30" WIDE
15" THRU 36" PIPE - O.D. +16"
42" THRU 60" PIPE - O.D. +20"
OVER 60" PIPE - OUTSIDE DIAMETER OF PIPE +24"
MIN WIDTH OF TRENCH 12" ABOVE THE TOP OF PIPE SHALL BE 6" ON EACH SIDE OF PIPE

RIGID PIPE BEDDING DETAILS



MINIMUM WIDTH OF TRENCH AT 12" ABOVE TOP OF PIPE	
PIPE O.D.	MINIMUM TRENCH WIDTH
UP TO 16"	O.D. + 16"
GREATER THAN 16"	O.D. x 1.25 PLUS 12"

FLEXIBLE PIPE BEDDING DETAILS

REV#	DATE	DESCRIPTION	BY

NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND DATED:

WADE TRIM
25251 Northline Rd.
P.O. Box 135
Taylor, MI 48180
734.947.9700
www.wadetrim.com

CITY OF TAYLOR

STANDARD MISCELLANEOUS DETAILS (MD-1)

ISSUED FOR: DATE: BY:

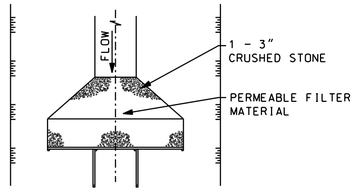
JOB NO.

SHEET
MD-1

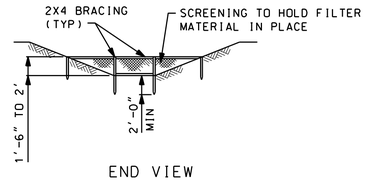
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STANDARD MISCELLANEOUS DETAILS (MD-1)

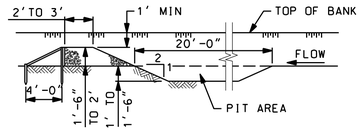
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PLAN VIEW



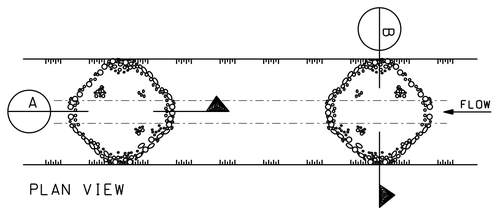
END VIEW



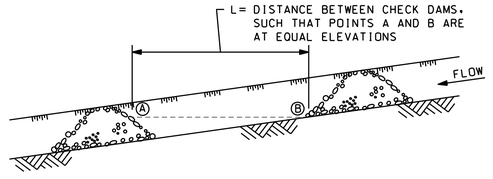
SECTION

NOTES:
1. PLACE DITCH SEDIMENT TRAP PRIOR TO ON-SITE CONSTRUCTION WORK.
2.MAINTAIN DITCH SEDIMENT TRAP IN GOOD OPERATION DURING PROJECT & REMOVE AT END OF PROJECT.
3.CHANNEL TO BE RESTORED TO ORIGINAL CONDITION OR BETTER AS DIRECTED BY THE ENGINEER.
4.CRUSHED STONE INCLUDED WITH DITCH SEDIMENT TRAP.

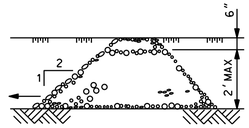
DITCH SEDIMENT TRAP
NOT TO SCALE



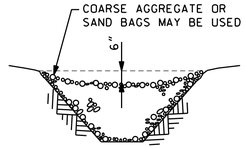
PLAN VIEW



CROSS-SECTION



SECTION A-A



SECTION B-B

NOTE:
CHECK DAMS GREATER THAN TWO FEET IN DEPTH MAY SERIOUSLY IMPACT THE FLOW CHARACTERISTICS OF THE DITCH.

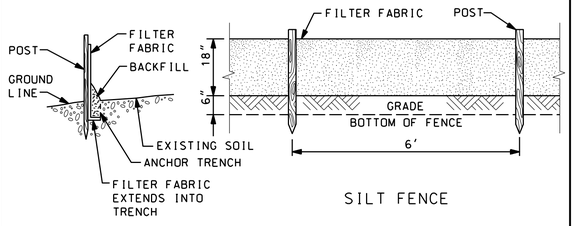
CHECK DAMS
NOT TO SCALE

SOIL EROSION AND SEDIMENTATION CONTROL NOTES

1. ALL EROSION AND SEDIMENT CONTROL WORK SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS OF THE CITY OF TAYLOR (MEA).
2. ALL SOIL EROSION CONTROL MEASURES SHALL BE CHECKED A MINIMUM OF ONCE PER WEEK AND WITHIN A MINIMUM OF 24 HOURS AFTER EVERY RAINFALL. ANY SOIL EROSION CONTROL MEASURES DAMAGED OF RENDERED INEFFECTIVE SHALL BE IMMEDIATELY REPAIRED OR REMOVED AND REPLACED AT NO ADDITIONAL COST.
3. EROSION AND ANY SEDIMENT FROM WORK ON THIS SITE SHALL BE CONTAINED ON THE SITE AND NOT ALLOWED TO COLLECT ON ANY OFF-SITE AREAS OR IN WATERWAYS. WATERWAYS INCLUDE BOTH NATURAL AND MANMADE OPEN DITCHES. STREAMS. STORM DRAINS. LAKES AND PONDS.
4. ALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) DEVICES SHALL BE INSTALLED PRIOR TO CONTRACTOR BEGINNING ANY WORK. ALL SESC DEVICES SHALL BE MAINTAINED IN AN EFFECTIVE. FUNCTIONING CONDITION AT ALL TIMES DURING THE COURSE OF THE WORK. ALL TEMPORARY SESC DEVICES SHALL BE REMOVED AND THE AREA RESTORED AFTER THE PERMANENT SESC MEASURES ARE INSTALLED AND FUNCTIONING.
5. DEBRIS FROM THE PROJECT SHALL BE LEFT ON THE SITE BY DELIVERY OR CONSTRUCTION VEHICLES THROUGH THE USE OF CLEAN STONE EXITS. SHOULD THE STONE BECOME INEFFECTIVE IT WILL BE REPLACED. ALL CONSTRUCTION TRAFFIC WILL USE THE CLEAN STONE EXITS.
6. IMMEDIATELY AFTER SEEDING. MULCH ALL SEEDED AREAS WITH UNWEATHERED SMALL GRAIN STRAW OR HAY SPREAD UNIFORMLY AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE. ANCHOR MULCH WITH DISC-TYPE MULCH ANCHORING TOOL OR OTHER MEANS AS APPROVED BY THE CITY OF TAYLOR (MEA).
7. ALL MUD. DIRT. AND DEBRIS TRACKED OR SPILLED ONTO EXISTING ROADS FROM THIS SITE SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
8. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES. CHANNELS. DITCHES. OR ANY DISTURBED LAND AREA SHALL BE COMPLETED WITHIN 15 CALENDAR DAYS AFTER FINAL GRADING OR FINAL EARTH CHANGES HAVE BEEN COMPLETED. WHEN IT IS NOT POSSIBLE TO PERMANENTLY STABILIZE A DISTURBED AREA AFTER AN EARTH CHANGE HAS BEEN COMPLETED OR WHERE SIGNIFICANT EARTH CHANGE ACTIVITY CEASES. TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED IMMEDIATELY. ALL TEMPORARY SOIL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL PERMANENT SOIL EROSION CONTROL MEASURES ARE ESTABLISHED. ALL PERMANENT SOIL EROSION CONTROL MEASURES WILL BE IMPLEMENTED AND ESTABLISHED BEFORE A CERTIFICATE OF COMPLIANCE IS ISSUED. ALL DRAIN BANKS DISTURBED BY CONSTRUCTION SHALL BE RESTORED WITHIN FIVE CALENDAR DAYS AND SOD PEGGED IN PLACE.
9. PARTICULAR CARE SHOULD BE TAKEN WHEN WORKING ALONG THE PERIMETER OF THE SITE. IN NO EVENT SHALL WORK AREA EXTEND BEYOND THE LIMITS INDICATED ON THE PLANS.

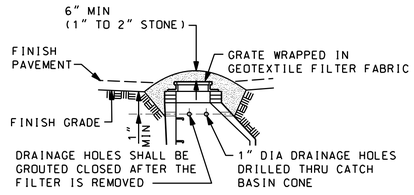
SOIL EROSION AND SEDIMENTATION CONTROL NOTES

10. SHOULD IT BE NECESSARY FOR THE CONTRACTOR TO DEWATER THE GROUND IN THE COURSE OF CONSTRUCTING THE PROPOSED UTILITY. THE CONTRACTOR SHALL FILTER ALL DISCHARGE THROUGH A DISCHARGE FILTER BAG. THAT WILL FILTER ALL DISCHARGED WATER FROM THE DEWATERING OPERATION. IN NO INSTANCE SHALL THE DEWATERING DISCHARGE BE PERMITTED TO FLOW UNFILTERED FROM THE CONSTRUCTION SITE.
11. THE CONTRACTOR SHALL CONTROL THE DUST ON THE SITE DURING THE LIFE OF THE CONTRACT. IN ACCORDANCE WITH THE SPECIFICATIONS AND THE REQUIREMENTS OF THE COMMUNITY THIS DUST CONTROL SHALL BE ACCOMPLISHED BY THE APPLICATION OF A POSITIVE DUST PICK-UP METHOD WITH WATER ON HARD SURFACES. SUCH DUST CONTROL MATERIALS SHALL BE APPLIED AS OFTEN AS IS NECESSARY IN THE OPINION OF THE COMMUNITY TO CONTROL THE DUST.
12. SHOULD THE SOIL EROSION CONTROL REQUIREMENTS BE NEGLECTED OR NOT ADEQUATELY FOLLOWED. THE COMMUNITY MAY REQUIRE THE CONTRACTOR TO CEASE CONSTRUCTION OPERATIONS AND TO APPLY HIS ENTIRE FORCE TO MEET THE REQUIREMENTS BEFORE PROCEEDING FURTHER WITH THE PROJECT.
13. SOIL EROSION AND SEDIMENTATION CONTROL SHALL BE IN ACCORDANCE WITH CURRENT PART 91 SOIL EROSION AND SEMIMENTATION CONTROL(SESC), OF THE NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT (NREPA), 1994 PA 451, AS AMENDED.
14. AS SOON AS POSSIBLE, COMPLETE FINAL GRADING AND PLACING OF PERMANENT SOIL EROSION CONTROL DEVICES. AFTER ESTABLISHMENT OF PERMANENT VEGETATION, REMOVE ALL TEMPORARY SOIL EROSION CONTROL MEASURES.

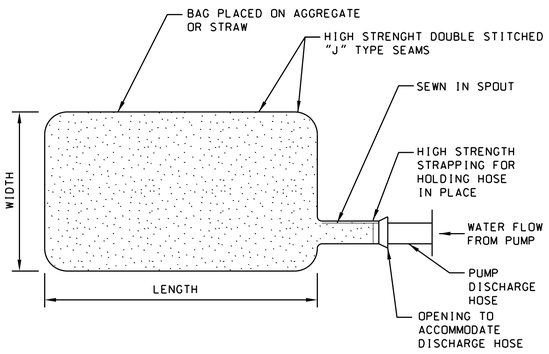


SILT FENCE

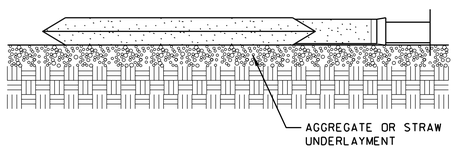
SILT FENCE
NOT TO SCALE



DRAINAGE STRUCTURE FILTER
NOT TO SCALE

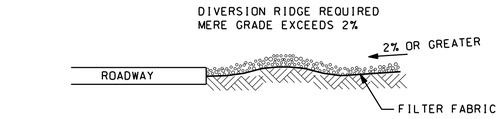


TOP VIEW

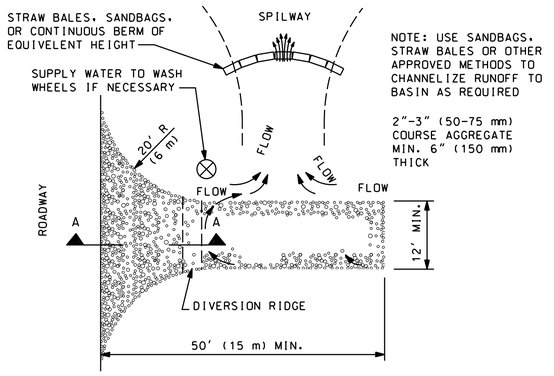


SIDE VIEW

DEWATERING FILTER BAG DETAIL
NOT TO SCALE



SECTION A-A



NOTE:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING. REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE/EXIT
NOT TO SCALE

REV#	DATE	DESCRIPTION	BY

NOT VALID FOR CONSTRUCTION UNLESS SIGNED AND DATED:

WADE TRIM
25251 Northline Rd.
Suite 101
Taylor, MI 48180
734.947.9700
www.wadetrim.com

CITY OF TAYLOR

STANDARD SOIL EROSION AND SEDIMENTATION CONTROL DETAILS (SE-1)

ISSUED FOR: DATE: BY:

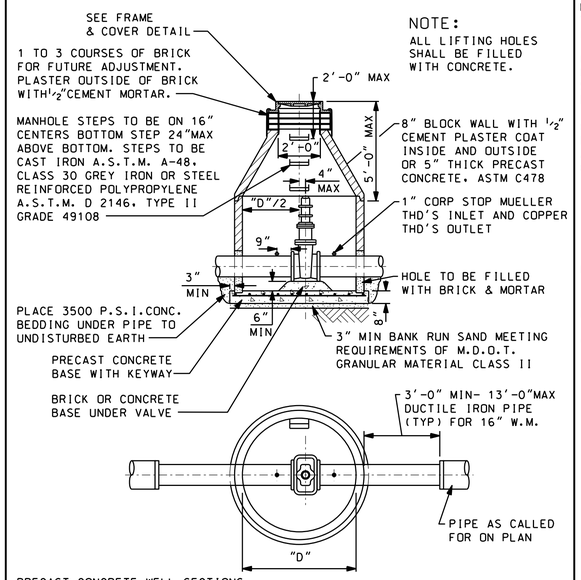
JOB NO.

SHEET
SE-1

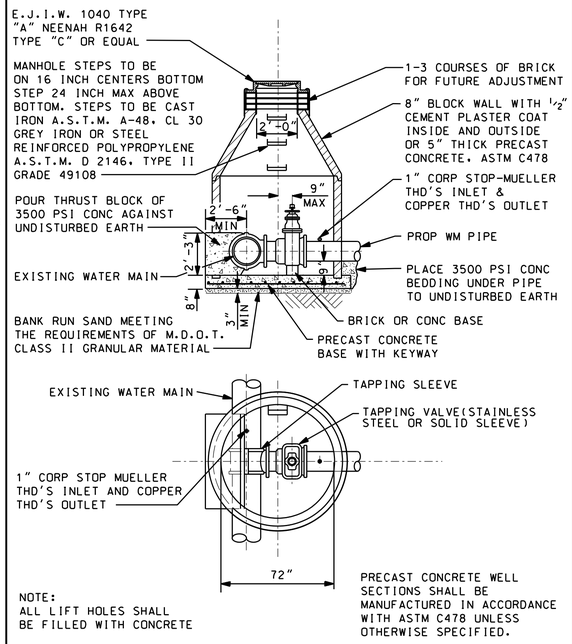
SOIL EROSION AND SEDIMENTATION CONTROL DETAILS (SE-1)

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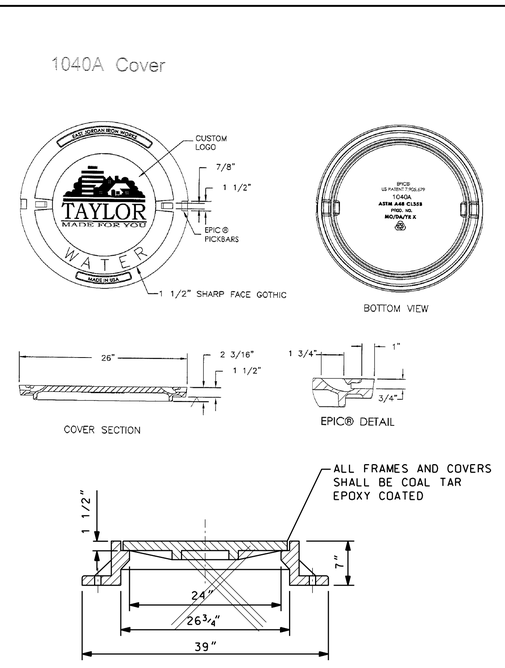
PROJECT MANAGER: - FIELD BOOK INFORMATION: - PLOTTED $DATE$ $TIME$ BY $USER$
$FILE$



STANDARD GATE WELL
N.T.S.

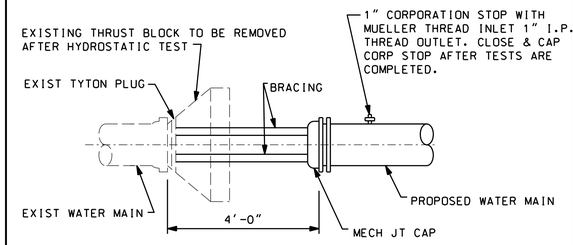


STANDARD TAPPING SLEEVE, VALVE & WELL
N.T.S.

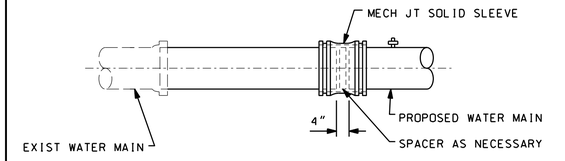


E.J.I.W. #1040, TYPE "A" OR EQUAL

STANDARD FRAME AND COVER
N.T.S.



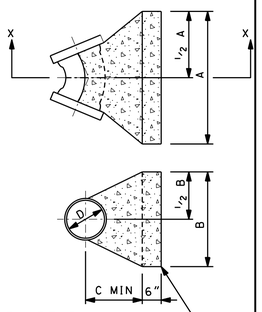
TEMPORARY ARRANGEMENT FOR HYDROSTATIC TEST



NOTE:
ALL JOINTS NOT SUBJECTED TO HYDROSTATIC TEST SHALL BE OBSERVED UNDER LINE PRESSURE TO ASSURE WATER TIGHTNESS.

COMPLETED CONNECTION TO EXIST WATER MAIN
N.T.S.

DIA OF WATER MAIN	THRUST BLOCK		
D	A	B	C
6"	2'-0"	1'-6"	1'-0"
8"	2'-0"	2'-0"	1'-3"
10" & 12"	3'-6"	2'-6"	1'-6"
14" & 16"	5'-6"	3'-0"	1'-9"
18" & 20"	6'-6"	4'-0"	1'-9"
24"	7'-0"	5'-0"	2'-0"

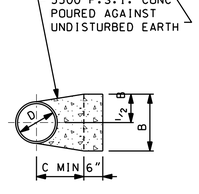


NOTE:
WHEN "A" DIMENSION IS 6'-0" OR GREATER, USE #4 BARS AT 12" CENTERS EACH WAY.

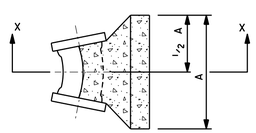
THRUST BLOCK AT 30° & 45° BEND

SEC X-X

DIA OF WATER MAIN	THRUST BLOCK		
D	A	B	C
6"	1'-6"	1'-0"	1'-0"
8"	1'-9"	1'-3"	1'-0"
10" & 12"	3'-0"	1'-6"	1'-3"
14" & 16"	4'-0"	2'-0"	1'-6"
18" & 20"	4'-0"	3'-0"	1'-9"
24"	4'-0"	4'-6"	2'-0"

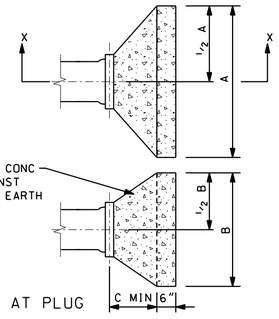


SEC X-X



THRUST BLOCK AT 22 1/2° BEND
N.T.S.

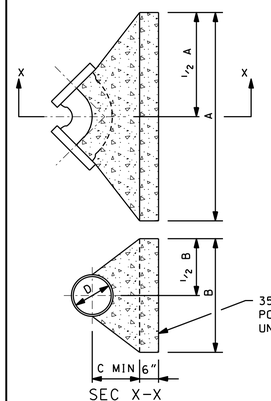
DIA OF WATER MAIN	THRUST BLOCK		
D	A	B	C
6"	2'-0"	1'-6"	9"
8"	2'-6"	2'-0"	1'-0"
10" & 12"	4'-0"	3'-0"	1'-3"
14" & 16"	5'-0"	4'-0"	1'-6"
18" & 20"	8'-0"	4'-0"	1'-9"
24"	9'-0"	5'-0"	2'-0"



NOTE:
WHEN "A" DIMENSION IS 6'-0" OR GREATER, USE #4 BARS AT 12" CENTERS EACH WAY.

THRUST BLOCK AT PLUG

SEC X-X



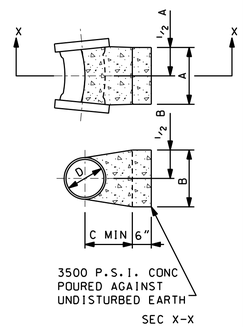
DIA OF WATER MAIN	THRUST BLOCK		
D	A	B	C
6"	2'-9"	1'-6"	9"
8"	3'-0"	2'-6"	1'-0"
10" & 12"	5'-6"	3'-0"	1'-3"
14" & 16"	6'-0"	5'-0"	1'-6"
18" & 20"	9'-0"	5'-0"	1'-9"
24"	11'-0"	6'-0"	2'-0"

NOTE:
WHEN "A" DIMENSION IS 6'-0" OR GREATER, USE #4 BARS AT 12" CENTERS EACH WAY.

SEC X-X

THRUST BLOCK AT 60° & 90° BEND
N.T.S.

DIA OF WATER MAIN	THRUST BLOCK		
D	A	B	C
6"	1'-0"	1'-0"	1'-0"
8"	1'-3"	1'-3"	1'-0"
10" & 12"	1'-6"	1'-6"	1'-3"
14" & 16"	2'-0"	2'-0"	1'-6"
18" & 20"	3'-1"	2'-0"	1'-9"
24"	3'-0"	3'-0"	2'-0"

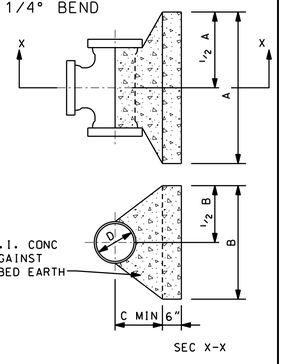


SEC X-X

NOTE:
THESE TABLES ARE BASED ON SOIL BEARING OF 1500 P.S.F. IN MUCK, PEET OR OTHER UNSUITABLE SOILS HAVING A SOIL BEARING LESS THAN 1500 P.S.F., THE CONTRACTOR SHALL PROVIDE SUITABLE ADDITIONAL BLOCKING, ENCASEMENTS OR RESTRAINTS, BLOCKING IN BORE PIT EXCAVATIONS SHALL BE AGAINST UNDISTURBED SOIL OR SHALL BE PROVIDED WITH RESTRAINTS AS REQUIRED.

THRUST BLOCK AT 11 1/4° BEND

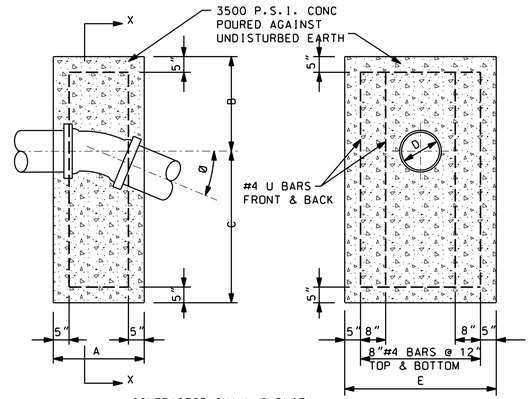
DIA OF WATER MAIN	THRUST BLOCK		
D	A	B	C
6"	2'-0"	1'-6"	9"
8"	2'-6"	2'-0"	1'-0"
10" & 12"	4'-0"	3'-0"	1'-3"
14" & 16"	5'-0"	4'-0"	1'-6"
18" & 20"	8'-0"	4'-0"	1'-9"
24"	9'-0"	5'-0"	2'-0"



NOTE:
WHEN "A" DIMENSION IS 6'-0" OR GREATER, USE #4 BARS AT 12" CENTERS EACH WAY.

SEC X-X

THRUST BLOCK AT TEE
N.T.S.



* CONTRACTOR SHALL SUBMIT DETAILS OF RESTRAINED JOINTS TO ENGINEER PRIOR TO USE.

SEC X-X

D	Ø	A	B	C	E
6"	22 1/2°	1'-6"	1'-6"	1'-9"	3'-0"
	45°	1'-8"	1'-6"	2'-6"	4'-0"
8"	22 1/2°	2'-0"	1'-6"	2'-6"	4'-0"
	45°	2'-0"	2'-6"	3'-0"	4'-0"
10"	22 1/2°	2'-0"	2'-6"	3'-0"	4'-0"
	45°	2'-3"	2'-6"	4'-0"	5'-0"
12"	22 1/2°	2'-0"	2'-6"	4'-0"	4'-0"
	45°	2'-4"	3'-0"	4'-6"	5'-0"
16"	22 1/2°	2'-2"	3'-0"	4'-6"	5'-0"
	45°	*	*	*	*

ANCHORAGE DETAILS FOR VERTICAL BENDS
N.T.S.

REV#	DATE	DESCRIPTION	BY

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WADE TRIM

25251 Northline Rd.
Taylor, MI 48180
734.947.9700
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CITY OF TAYLOR

STANDARD WATER MAIN DETAILS (WM-1)

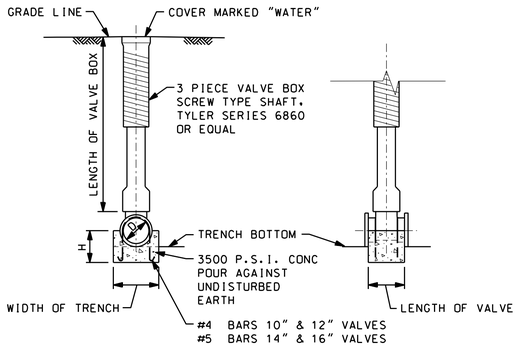
ISSUED FOR: DATE: BY:

JOB NO.

SHEET
WM-1

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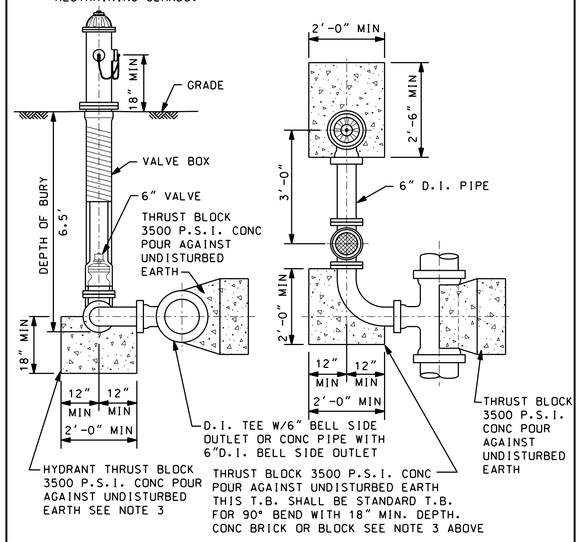
PROJECT MANAGER: - $FILE$ FIELD BOOK INFORMATION: - PLOTTED $DATE$ $TIME$ BY $USER$



SIZE OF PIPE	H
6"	6"
8"	8"
10"	10"
12"	12"

VALVE BLOCK AND BOX DETAIL
N.T.S.

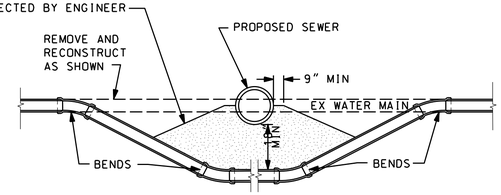
NOTES:
1. INSTALL ADDITIONAL FITTINGS & SPIGOT PIPE AS NECESSARY BETWEEN WATER MAIN & VALVE BOX TO ADJUST FOR PROPER LOCATION AND GRADE OF HYDRANT.
2. VERTICAL ANCHORAGES WILL BE REQUIRED ON ALL VERTICAL HYDRANT BENDS IN EXCESS OF 11 1/4°.
3. WHERE HYDRANTS ARE INSTALLED ON EXISTING MAINS THAT ARE TO BE PLACED BACK INTO SERVICE IMMEDIATELY, PLACE CONCRETE BRICK OR BLOCK TO UNDISTURBED EARTH AND ENCASE WITH CONCRETE OR USE RESTRAINING GLANDS.



STANDARD FIRE HYDRANT ASSEMBLY CLOSE COUPLE TYPE
N.T.S.

COMPACTED SAND OR FLOWABLE FILL SHALL EXTEND FOR 9" EACH SIDE OF PROPOSED PIPE AND SHALL SLOPE OUT AT 1 ON 4 SLOPE TO BOTTOM OF TRENCH, OR AS DIRECTED BY ENGINEER

NOTE:
FOR ANCHORAGE DETAILS AT BENDS SEE WATER DETAIL SHT-WM 2

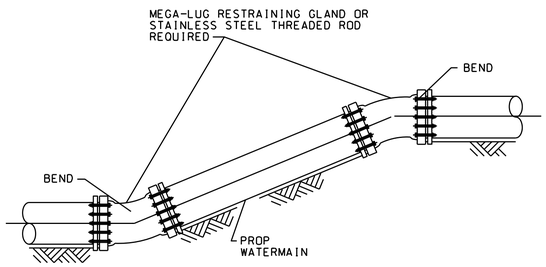


NOTE:
FOR BEDDING OF WATER MAIN SEE STANDARD SAND ENCASEMENT CLASS "F-III" (SHEET MD-1).

RELOCATION OF WATER MAIN
N.T.S.

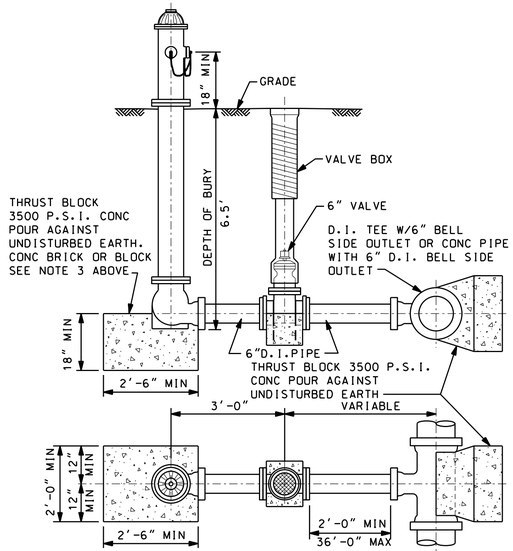
WATER MAIN NOTES

1. ALL WATER SYSTEM CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND GENERAL SPECIFICATION OF THE AGENCY OR AGENCIES HAVING JURISDICTION OF THE WATER SUPPLY SYSTEM AND CONSTRUCTION AREA.
2. WATER MAINS SHALL NOT BE CONSTRUCTED UNDER SIDEWALKS OR ROAD PAVEMENT AREAS.
3. ALL SURFACE STRUCTURES, SUCH AS HYDRANTS, GATE WELLS AND VALVE BOXES SHALL BE SET TO GRADE OR AS INDICATED ON THE PLANS.
4. FIRE HYDRANTS ARE TO BE INSTALLED PLUMB AND HAVE THEIR NOZZLES AS DETERMINED BY THE ENGINEER.
5. ALL FITTINGS SHALL BE DUCTILE IRON, PRESSURE RATING 350 P.S.I., CONFORMING TO ANSI/AWWA C 153/A21.53 COMPACT FITTINGS WITH DOUBLE THICKNESS CEMENT MORTAR LINING AND BITUMINOUS ENAMEL COATING INSIDE AND OUTSIDE.
6. GATE WELLS AND OTHER WATER MAIN STRUCTURES SHALL NOT BE CONSTRUCTED IN DRIVEWAYS, DRIVE APPROACHES, OR SIDEWALKS.
7. PROVIDE 7-FOOT MINIMUM COVER BELOW EXISTING PAVEMENT CENTERLINE OR GROUND AT WATER MAIN LOCATION, WHICHEVER IS LOWEST. WHEN PROPOSED WATER MAIN IS WITHIN 32 FEET OF CENTERLINE ON SECTION LINE ROADS, OR WITHIN 19 FEET OF CENTERLINE ON 1/4 LINE ROADS, SEVEN FEET COVER SHALL ALSO BE REQUIRED AT OTHER LOCATIONS AS NOTED ON THE PLAN. PROVIDE 6-FOOT MINIMUM COVER BELOW EXISTING ROAD CENTERLINE OR GROUND AT WATER MAIN LOCATION, WHICHEVER IS LOWEST, AT ALL OTHER LOCATIONS UNLESS OTHERWISE NOTED.
8. PLACE NATURAL BANK RUN SAND BACKFILL WITHIN THREE FEET OF ALL STRUCTURES, INCLUDING VALVE WELLS, FIRE HYDRANTS, ETC.
9. ALL WATER MAIN PIPE SHALL HAVE CLASS F-III BEDDING UNLESS OTHERWISE NOTED ON THE PLANS. SEE SHEET MD-1 FOR BEDDING DETAILS.
10. ALL PRECAST PRODUCTS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-478.
11. CONTRACTOR SHALL BAG ALL NEW FIRE HYDRANTS UNTIL THE WATER MAIN IS ACCEPTED FOR SERVICE.
12. WHEN THE FIRE HYDRANT IS BEING INSTALLED. THE 6-INCH DIAMETER FIRE HYDRANT VALVE SHALL BE INSTALLED IN THE FULL OPEN POSITION.
13. WATER MAIN TO BE PLACED LEVEL THROUGH ALL GATE WELLS.
14. ALL WATER SYSTEM BOLTS ARE TO BE NEW COR-BLUE, OR OTHER APPROVED COR-10 STEEL MASTIC COATED T-BOLTS.
15. A FIRE HYDRANT SHOULD BE PLACED AT THE END OF ALL DEAD END WATER MAIN.



VERTICAL REACTION BLOCKING

NOTES:
1. INSTALL ADDITIONAL FITTINGS, BENDS & SPIGOT PIPE AS NECESSARY BETWEEN WATER MAIN & VALVE BOX TO ADJUST FOR PROPER LOCATION AND GRADE OF HYDRANT.
2. VERTICAL ANCHORAGES WILL BE REQUIRED ON ALL VERTICAL HYDRANT BENDS IN EXCESS OF 11 1/4°.
3. WHERE HYDRANTS ARE INSTALLED ON EXISTING MAINS THAT ARE TO BE PLACED BACK INTO SERVICE IMMEDIATELY, PLACE CONCRETE BRICK OR BLOCK TO UNDISTURBED EARTH AND ENCASE WITH CONCRETE OR USE RESTRAINING GLANDS.



STANDARD FIRE HYDRANT ASSEMBLY "T" TYPE
N.T.S.

PIPE BURSTING NOTES

1. ALL SANITARY LEAD DEPTHS TO BE FIELD VERIFIED PRIOR TO BURSTING OPERATIONS.

TAYLOR NOTES

1. WATER MAIN PIPE THREE INCHES IN DIAMETER AND LARGER SHALL BE DUCTILE IRON CLASS 56, OR FUSIBLE PVC C909 WITH TRACER WIRE.
2. DOMESTIC SERVICE TWO INCHES IN DIAMETER OR SMALLER SHALL BE HDPE DR 11 WITH 12 GUAGE SOLID CORE TRACER WIRE, NON-BRAIDED.
3. CORPORATION STOPS SHALL BE FORD, MODEL F1000-x-Q, 1-INCH MINIMUM SIZE, AWWA TAPER THREAD INLET AND QUICK JOINT TYPE OUTLET WITH SOLID INSERT STIFFENER.
4. SERVICE SADDLES SHALL BE FORD, MODEL 202BS, WITH AWWA TAPER THREAD OUTLETS.
5. CURB STOPS SHALL BE FORD, MINNEAPOLIS PATTERN, MODEL B44-xxxM-Q, 1-INCH MINIMUM SIZE, QUICK JOINT INLET AND OUTLET, CURB BOXES IN NON-PAVED AREAS SHALL BE FORD, EXTENSION TYPE WITH MINNEAPOLIS PATTERN BASE, MODEL EM1-xx-46, 1-INCH INSIDE DIAMETER (ONE PIECE LID) 5-FOOT MINIMUM EXTENDED LENGTH. CURB BOXES IN PAVED AREAS SHALL BE FORD, EXTENSION TYPE WITH MINNEAPOLIS PATTERN BASE, MODEL EM2-xx-46, 1-INCH INSIDE DIAMETER, 5-FOOT MINIMUM EXTENDED LENGTH (COMBINATION LID WITH PENTAGON PLUG).
6. ALL NECESSARY FITTINGS FOR THE INSTALLATION OF THE WATER MAIN ARE TO MEET THE CITY OF DETROIT WATER AND SEWERAGE DEPARTMENT STANDARDS.
7. ALL EXISTING WATER MAINS ARE TO BE KEPT IN SERVICE DURING CONSTRUCTION OPERATIONS UNLESS ARRANGEMENTS WITH THE CITY OF TAYLOR WATER DEPARTMENT ARE MADE. THE CITY OF TAYLOR WATER DEPARTMENT WILL BE THE ONLY AUTHORIZED PERSONNEL TO OPERATE THE WATER MAIN HYDRANTS AND VALVES.
8. FIRE HYDRANTS SHALL BE EAST JORDAN IRON WORKS "WATERMASTER" 5 BR, MODEL 250, CONFORMING TO A.W.W.A. C502 IMPROVED HYDRANT SPECIFICATIONS. HYDRANTS SHALL BE DESIGNED TO OPEN IN A COUNTER-CLOCKWISE DIRECTION WITH AN OPENING ARROW CAST INTO THE BONNET AND SHALL HAVE SEAT VALVE AND DOUBLE OPERATING STEM O-RING SEALS, 6-INCH DIA VALVE OPENING, 6-INCH DIA MECHANICAL JOINT HUB AND TWO 4-INCH DIA PUMPER NOZZLES.
9. HYDRANTS SHALL BE EQUIPPED WITH CITY OF DETROIT FIRE DEPARTMENT STANDARD NOZZLE THREADS AND OPERATING NUT AND SHALL BE ORDERED FOR 6.0 FOOT BURY. HYDRANTS SHALL BE PAINTED RED.
10. HYDRANT RUNS LONGER THAN 10 LF SHALL BE 8-INCH DIAMTER PIPE WITH AN 8-INCH BY 6-INCH REDUCER PLACED BEFORE THE HYDRANT ASSEMBLY
11. GATE VALVES, FOR SIZES 4-INCH THROUGH 16-INCH DIA SHALL BE EAST JORDAN IRON WORKS FLOW MASTER, MUELLER 2360 SERIES, OR U.S. PIPE METROSEAL, RESILIENT WEDGE TYPE, CONFORMING TO A.W.W.A. C509 OR C515 SPECIFICATION. VALVES SHALL BE DESIGNED FOR A WORKING PRESSURE OF 200 P.S.I. AND A TEST PRESSURE OF 400 P.S.I. AND TO OPEN IN A CLOCKWISE DIRECTION AND SHALL HAVE A 2-INCH SQUARE OPERATIONS NUT AND DOUBLE OPERATING STEM O-RINGS. VALVES SHALL BE ORDERED WITH INLET AND OUTLET CONNECTIONS COMPATIBLE TO THE WATER PIPE JOINTS USED ON THE SYSTEM.
12. FRAME AND COVERS SHALL BE SPECIFIED AS FOLLOWS:
    A. FRAME SHALL BE EJ 1040-1ZPT
    B. COVER SHALL BE 1040A (WATER) WITH CITY LOGO

REV#	DATE	DESCRIPTION	BY

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WADE TRIM
25251 Northline Rd.
PO Box 135
Taylor, MI 48180
734.947.9700
www.wadetrim.com

CITY OF TAYLOR

STANDARD WATER MAIN DETAILS (WM-2)

ISSUED FOR: DATE: BY:

JOB NO.

SHEET
WM-2

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STANDARD WATER MAIN DETAILS (WM-2)

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