

**AGENDA
CASCADE CHARTER TOWNSHIP
REGULAR BOARD MEETING**

Wednesday, September 14, 2016

7:00 P.M.

Cascade Branch of the Kent District Library, Wisner Center
2870 Jacksmith, S.E.

Expected Meeting Procedures

1. During public comments you may speak on any item not noted on the agenda for a public hearing.
2. Please limit comments to 3 minutes per person and the Board may or may not choose to respond.
3. Please limit your comments to a specific issue.
4. Please turn OFF cellular phones.

Article 1. Call to Order, Roll Call

Article 2. Pledge of Allegiance to the Flag

Article 3. Approval of Agenda

Article 4. Presentations/Public Comments (limit comments to 3 minutes)

Article 5. Approval of Consent Agenda

- a. Receive and File Various Meeting Minutes
 1. Regular Township Board Minutes for 08/24/16.
- b. Receive and File Reports
 1. Building Department Monthly Report for August, 2016.
 2. Treasurer's Department Monthly Report for July, 2016.
- c. Education Requests
 1. Sandra Korhorn – Michigan Downtown Association State Conference – Traverse City, MI – October 13-14, 2016.
 2. Brian Wilson – Code Officials Conference of Michigan – Frankenmuth, MI – September 27-30, 2016.
 5. Mildred Pinder – MERS Annual Conference – Traverse City – September 28-29, 2016.

Article 6. Financial Actions

- a. **Consider Approval of August, 2016 Payables, Payroll and Transfers.**

Article 7. Unfinished Business

Article 8. New Business

070-2016 Consider Approval of MERS 2016 Officer and Employee Delegates to the Conference.

071-2016 a. Public Hearing – A Request for Approval of Preliminary Plans and Preparation of Proposed Sewer Improvement on Thornapple River Dr.

b. Consider Approval of Resolution Approving Preliminary Plans and Preparation of a Special Assessment Roll for

Proposed Sewer Improvement on Thornapple River Dr. (roll call)

072-2016 Consider Resolution for Permits to work in the Michigan Department of Transportation (MDOT) Right-of-Way. (roll call)

073-2016 Consider Resolution for “Prisoner of War/Missing in Action Recognition Day”. (roll call)

Article 9. Public Comments on any other matters. (limit comments to 3 minutes)

Article 10. Manager Comments

Article 11. Board Member Comments

Article 12. Adjournment

**MINUTES OF THE
CASCADE CHARTER TOWNSHIP
REGULAR BOARD MEETING**

Wednesday, August 24, 2016
7:00 P.M.

- Article 1.** Supervisor Beahan called the meeting to order at 7:00 p.m.
Present: Supervisor Beahan, Trustee Koessel, Goldberg, McDonald, Lewis, Treasurer Peirce and Clerk Bell.
Absent: None
Also Present: Manager Swayze, Assessor McCarty, DDA/ED Director Korhorn and those listed on Supplement #1.
- Article 2.** Supervisor Beahan led the Pledge of Allegiance to the Flag.
- Article 3.** Supervisor Beahan asked to have Article 8. 068-2016 be removed upon the request of Manager Swayze as the Finance Subcommittee is still working on this and additionally, it has been asked to change the wording of Article 8. 069-2016 to read the following: Resolution No. 2 to the Special Assessment Procedure to Declare the Intent to make Public Sewer Improvements on Thornapple River Drive. Motion was made by Trustee Lewis and supported by Trustee Goldberg to approve the Agenda as revised. Motion carried unanimously.
- Article 4.** **Presentations/Public Comments (limit comments to 3 minutes)**
April/Dave Rozelle, 4610 Little Harbor Dr., addressed the Board regarding the issue of “backyard” chickens.
Cynthia Price, 1357 West Summit, Muskegon, MI, also addressed the Board regarding chickens.
Lisa Dionne, 2984 Thornapple River Dr., traffic “barreling” down our road. Is there something we can do regarding this issue?
Jeff Dionne, 2984 Thornapple River Dr., enjoy the trails in Cascade (Burton/Tassell Parks), I think we need more of a patrol presence from Kent County Sheriff’s Dept.
- Article 5.** **Approval of Consent Agenda**
- a. Receive and File Various Meeting Minutes
 - 1. Regular Township Board Minutes for 08/10/16.
 - 2. Regular Planning Commission Minutes for 7/11/16 & 8/8/16.
 - 3. Regular Zoning Board of Appeals Minutes for 6/14/16.
 - 4. Regular DDA Meeting Minutes for 07/19/16.
 - b. Receive and File Reports
 - 1. Building Department Monthly Report for July, 2016.
 - 2. Fire Department Monthly Report for July, 2016.
 - c. Education Requests
 - 1. Jeff Biegalle/Dan Heyer – P.I.A.M. Conference – Cadillac, MI – September 15-16, 2016.
 - 2. Steve Peterson/Lou Berra – Michigan Planning Conference – Kalamazoo – October 26-28, 2016
 - 3. Stephanie Fast – Michigan Planning Conference – Kalamazoo – October 26, 2016.
 - 4. Doug Poolman – Michigan Fire Inspectors Fall Conference – East Lansing – September 13-16, 2016
 - 5. Denise M. Biegalle – MERS Annual Conference – Traverse City – September 28-29, 2016.

Motion was made by Trustee Goldberg and supported by Trustee McDonald to approve the Consent Agenda as presented. Motion carried unanimously.

Article 6. Financial Actions

- a. Consider Approval of July, 2016 General/Special Funds Report.**
Motion was made by Trustee Koessel and supported by Trustee Lewis to approve the July, 2016 General/Special Funds Report. Motion carried unanimously.

Article 7. Unfinished Business

Article 8. New Business

- 064-2016 a. Public Hearing – A Request for Approval of IFT Plant Rehabilitation District for Lacks Industries LLC located at 5460 Cascade Rd.**
Motion was made by Trustee Goldberg and supported by Trustee Koessel to open the public hearing. Motion carried unanimously.
Assessor McCarty stated he had not received any comments regarding the application.
Assessor McCarty reviewed the request.
A representative from Lacks was present to address the Board.
Motion was made by Trustee Goldberg and supported by Trustee McDonald to reconvene into regular session. Motion carried unanimously.

b. Consider a Request for Approval of IFT Plant Rehabilitation District for Lacks Industries LLC located at 5460 Cascade Rd.

Motion was made by Trustee Goldberg and supported by Trustee Lewis to approve the Request for IFT Plant Rehabilitation District for Lacks Industries LLC located at 5460 Cascade Rd. Discussion followed. Motion carried unanimously by roll call vote.

065-2016 a. Public Hearing – A Request for Approval of IFT Certificate for Plant Rehabilitation for Lacks Industries LLC located at 5460 Cascade Rd.

Motion was made by Trustee Goldberg and supported by Trustee Koessel to move into public hearing. Motion carried unanimously.

No public comments heard.

Motion was made by Trustee Koessel and supported by Trustee Goldberg to reconvene into regular session. Motion carried unanimously.

b. Consider a Request for Approval of IFT Certificate for Plant Rehabilitation for Lacks Industries LLC located at 5460 Cascade Rd.

Motion was made by Trustee Koessel and supported by Trustee McDonald to approve the IFT Certificate for Plant Rehabilitation for Lacks Industries LLC located at 5460 Cascade Rd. Motion carried unanimously by roll call vote.

066-2016

a. Public Hearing – A Request for Approval an Industrial Development District for Lacks Industries LLC located at 5460 Cascade Rd.

Motion was made by Trustee Lewis and supported by Trustee McDonald to open the public hearing. Motion carried unanimously.

Assessor McCarty reviewed the request.

No public comments heard.

Motion was made by Trustee McDonald and supported by Trustee Goldberg to reconvene into regular session. Motion carried unanimously.

b. Consider a Request for Approval of an Industrial Development District for Lacks Industries LLC located at 5460 Cascade Rd.

Motion was made by Trustee Lewis and supported by Trustee Goldberg to approve an Industrial Development District for Lacks Industries LLC located at 5460 Cascade Rd. Motion carried unanimously by roll call vote.

067-2016

a. Public Hearing – A Request for Approval of an IFT Certificate for Lacks Industries LLC located at 5460 Cascade Rd.

Motion was made by Trustee Goldberg and supported by Trustee McDonald to open the public hearing. Motion carried unanimously.

No public comments heard.

Motion was made by Trustee Goldberg and supported by Trustee McDonald to reconvene into regular session. Motion carried unanimously.

b. Consider a Request for Approval of an IFT Certificate for Lacks Industries LLC located at 5460 Cascade Rd.

Motion was made by Trustee Goldberg and supported by Trustee McDonald to approve an IFT Certificate for Lacks Industries LLC located at 5460 Cascade Rd. Motion carried unanimously by roll call vote.

~~068-2016~~

~~Consider Approval of Resolution to Adopt the Levy for the 2016 Millage Rates. (roll call)~~

069-2016

Consider Resolution No. 2 of the Special Assessment Procedure to Declare the Intent to Make Public Sewer Extension on Thornapple River Dr. from Tassell Park to approximately 3039 Thornapple River Dr.

DDA/ED Director Korhorn reviewed the Resolution/project with the Board. Discussion followed. Mike Berrevoets from Fishbeck addressed some concerns from the Board. Motion was made by Trustee Goldberg and supported by Trustee McDonald to approve Resolution No. 2 of the Special Assessment Procedure to Declare the Intent to Make Public Sewer Extension on Thornapple River Dr. from Tassell Park to approximately 3039 Thornapple River Dr. Motion carried unanimously by roll call vote.

Consider Right Place Annual Contribution.

Manager Swayze reviewed the request by the Right Place for an annual contribution of \$7,500 for the next 5 years. Discussion followed. Motion was made by Trustee Koessel and supported by Trustee Lewis to approve the financial commitment of \$7,500 per year over the next 5 years. Motion carried unanimously.

Article 9. Public Comments on any other matters. (limit comments to 3 minutes)

Dr. Phil McClarty, 3246 Bannockburn Dr., support the residents who spoke earlier regarding chickens.

Tom Bement, 4651 Little Harbor Dr., neighbors with the Rozelle's and wanted to give them support regarding chickens.

Jim Smilde, 2986 Thornapple River Dr., commented on the proposed special assessment district and the interest quoted in an e-mail from the Township. Also addressed the speed on Thornapple River Dr.

Ryan Roe, Kent County Sheriff's Dept., Community Policing officer, addressed the speeding issue that has been brought up within the residents at the meeting. Metro Cruise is this Thursday and Friday, hope everyone shows up for the event.

Article 10. Manager Comments

Manager Swayze offered the following comments:

- It has been incredibly busy in the Community Development Department in the past couple of months.

Article 11. Board Member Comments

Clerk Bell offered the following comments:

- Thornapple River Dr... "Have gone lights and sirens and can't catch up to the vehicles"
- Chickens? I want chickens too, so do my kids.
- If at Metro Cruise on Friday, stop by the Fire truck and say "Hi".

Supervisor Beahan offered the following comments:

- Gary Rowland a long time resident of Cascade and supporter of Cascade and married to Paula Rowland who is a former Trustee and a DDA member has passed away. Would like to extend our sympathy to the Rowland family.

Article 12. Adjournment

Motion was made by Treasurer Peirce and supported by Trustee Goldberg to adjourn. Motion carried unanimously.

Meeting adjourned at 7:57 p.m.

Respectfully submitted,

Denise M. Biegalle
Deputy Clerk

Approved by:

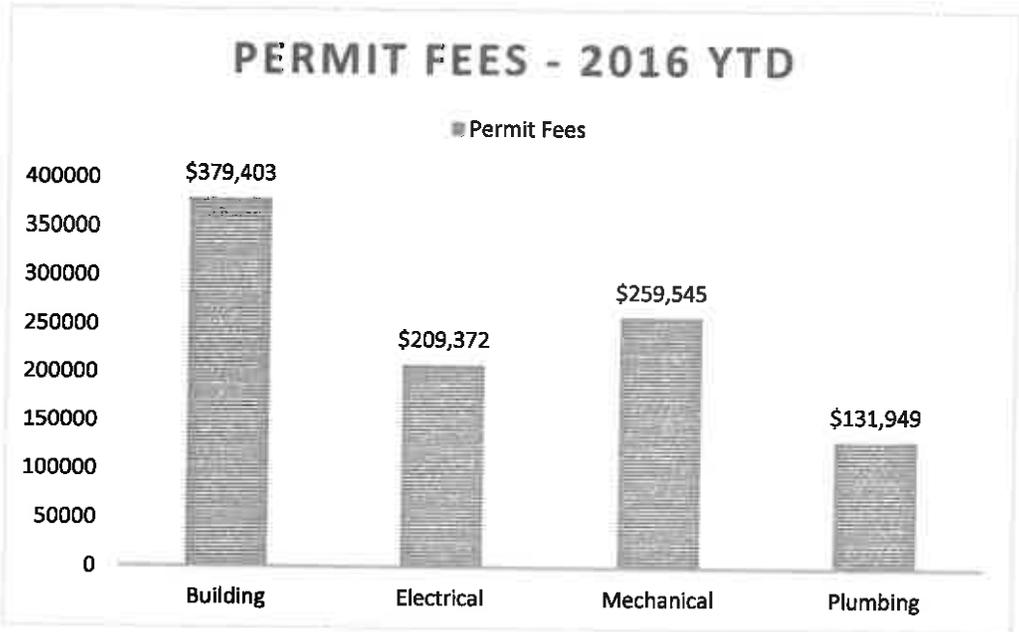
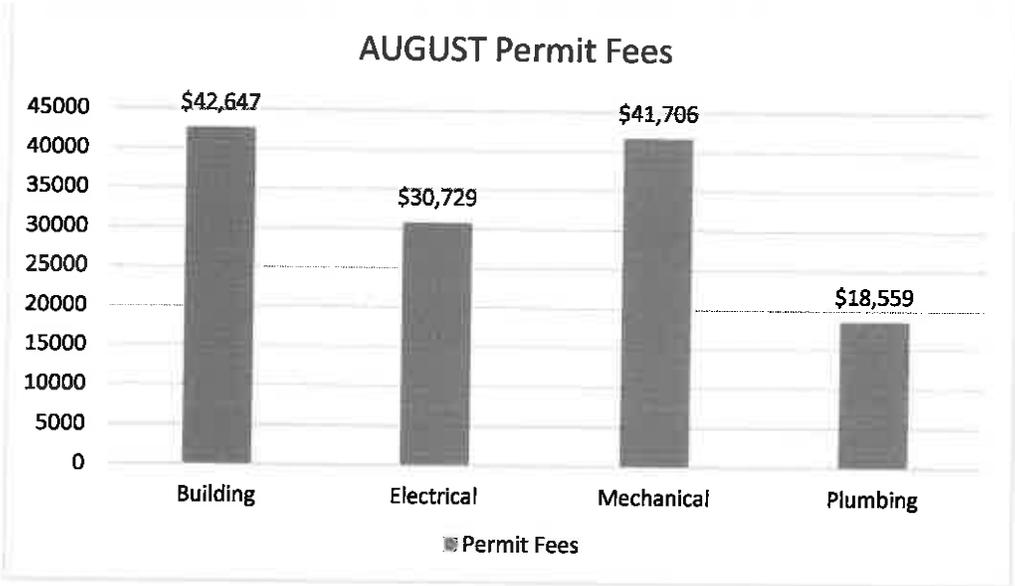
Clem Bell, Clerk

Robert S. Beahan, Supervisor

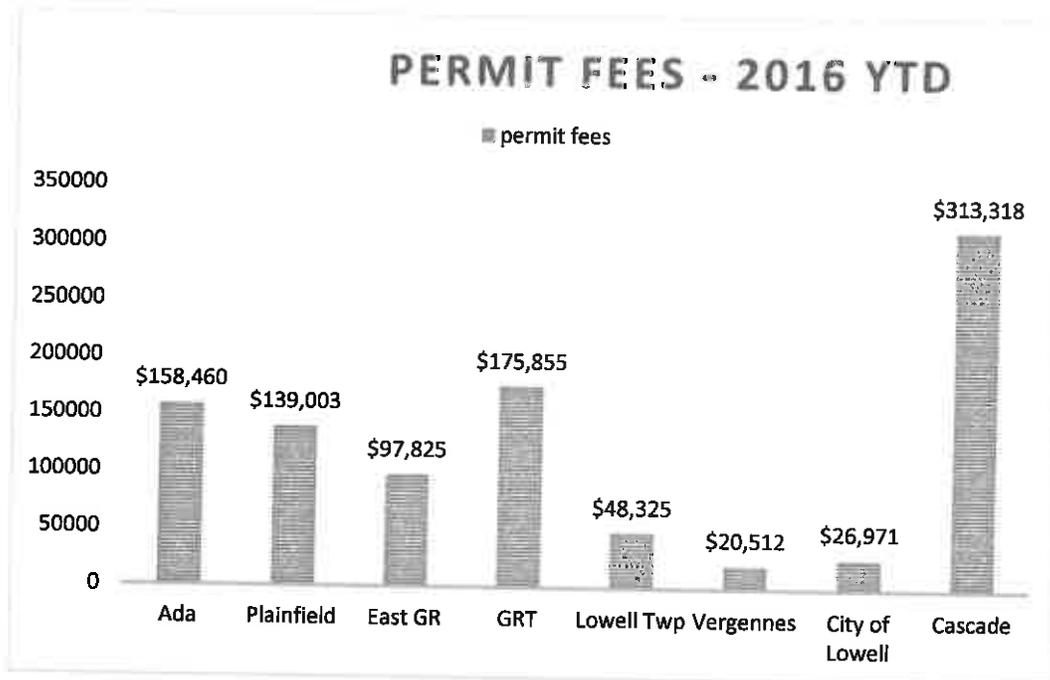
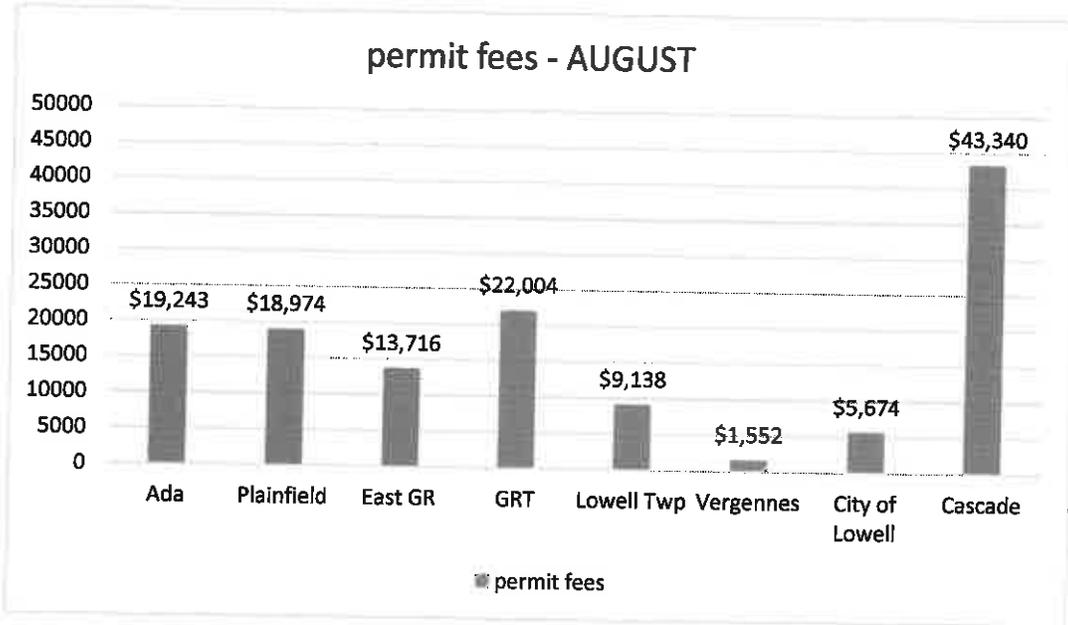
Cascade Inspection Services

AUGUST 2016

Permit Fees by Type

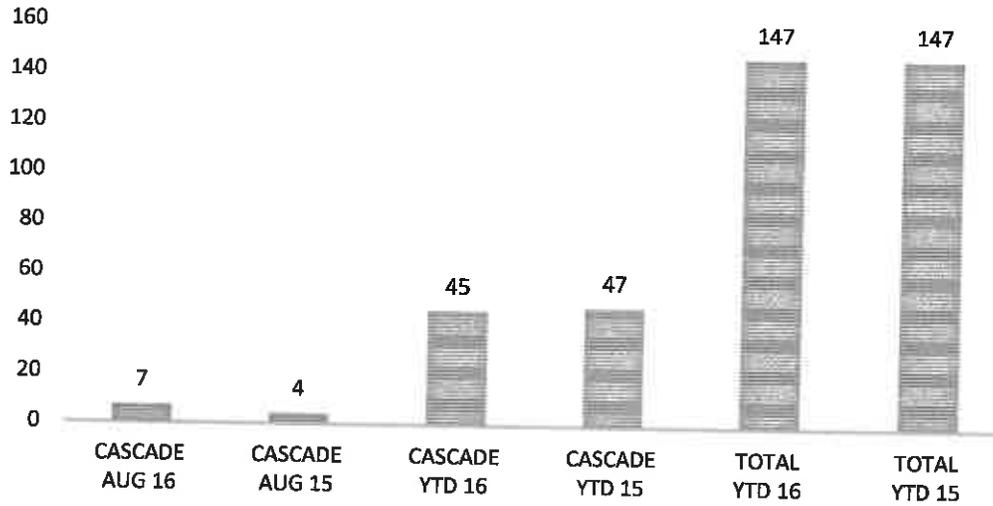


Permit Fees by Municipality



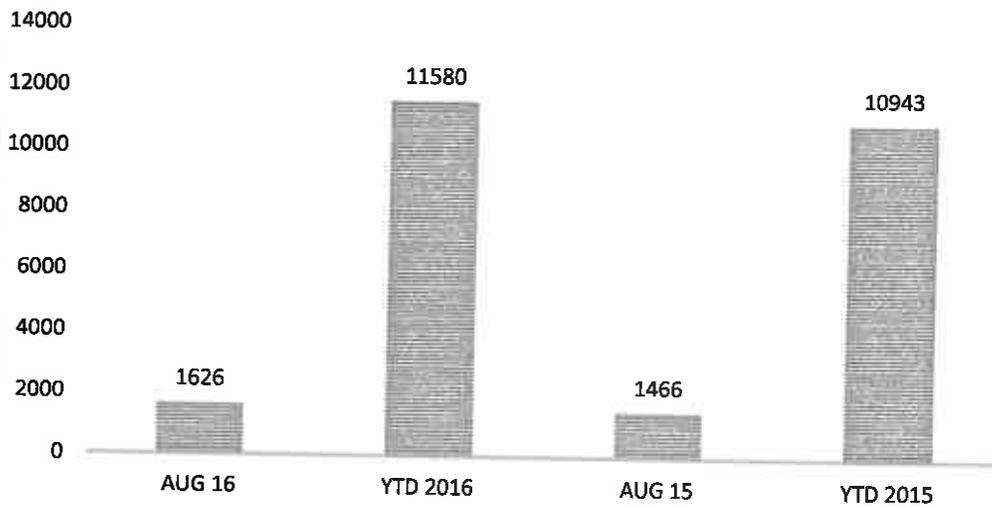
SINGLE FAMILY HOMES

■ number of permits issued



FIELD INSPECTIONS

■ number of inspections



Township	#of Per Building	#of Per Electrical	# of Per Mechanical	# of Per Plumbing	Total Permits	Total Fees				
PREV YTD TOTAL	851	\$336,756.24	1138	\$178,643.00	1790	\$217,838.75	819	\$113,390.00	4598	\$846,627.99
AUGUST										
Cascade	43	\$16,578.00	55	\$10,370.00	90	\$11,821.00	36	\$4,571.00	224	\$43,340.00
Lowell Twp	10	\$4,700.00	10	\$2,078.00	8	\$1,230.00	5	\$1,130.00	33	\$9,138.00
Ada	23	\$6,463.00	27	\$4,148.00	50	\$6,445.00	16	\$2,187.00	116	\$19,243.00
Vergennes			8	\$696.00	2	\$150.00	3	\$706.00	13	\$1,552.00
GR Twp	41	\$9,038.00	25	\$3,495.00	59	\$6,532.00	27	\$2,939.00	152	\$22,004.00
EGR	27	\$3,787.00	29	\$3,521.00	37	\$4,145.00	23	\$2,263.00	116	\$13,716.00
Plainfield			41	\$5,073.00	88	\$9,523.00	28	\$4,378.00	157	\$18,974.00
City of Lowell	5	\$2,081.00	10	\$1,348.00	13	\$1,860.00	2	\$385.00	30	\$5,674.00
MONTH TOTAL	149	\$42,647.00	205	\$30,729.00	347	\$41,706.00	140	\$18,559.00	841	\$133,641.00

YTD 2016	1000	\$379,403.24	1343	\$209,372.00	2137	\$259,544.75	959	\$131,949.00	5439	\$980,268.99
TOTAL-2015	1510	\$665,025.51	1948	\$327,865.00	3070	\$385,822.30	1361	\$216,089.00	7889	\$1,594,801.81
TOTAL-2014	1354	\$615,191.80	1780	\$297,971.00	2860	\$359,989.90	1257	\$196,553.00	7251	\$1,469,705.70
TOTAL-2013	1241	\$644,712.00	1667	\$288,442.06	2583	\$334,045.70	969	\$142,474.00	6460	\$1,409,673.76
TOTAL-2012	1,122	\$511,272.00	1,349	\$188,766.99	2,134	\$247,625.30	835	\$118,335.00	5,440	\$1,065,999.29
TOTAL-2011	949	\$410,550.75	990	\$148,549.50	1585	\$189,180.10	753	\$111,023.00	4277	\$859,303.35
TOTAL-2010	850	\$309,779.00	1330	\$162,994.00	1644	\$188,927.25	625	\$94,790.00	4449	\$756,490.25
TOTAL-2009	712	\$222,039.00	875	\$125,848.00	1313	\$149,101.75	554	\$74,397.00	3463	\$571,382.75
TOTAL-2008	848	\$582,100.75	1043	\$147,674.00	1348	\$164,271.30	697	\$91,695.00	3933	\$951,266.55
TOTAL-2007	1032	\$336,749.55	1069	\$137,857.00	1447	\$151,002.60	778	\$98,270.00	4326	\$723,879.15
TOTAL-2006	1181	\$481,673.30	1547	\$215,121.00	2147	\$243,076.90	1243	\$162,020.00	5173	\$940,523.41
TOTAL-2005	1032	\$419,355.30	1369	\$191,694.00	1874	\$211,234.15	1111	\$144,926.00	5386	\$967,209.45

	JAN	FEB	MARCH	APR	MAY	JUNE	JULY	AUGUST	SEPT	OCT	NOV	DEC	TOTAL
Township							2016						
Ada Twp	\$16,741.00	\$14,157.00	\$19,790.00	\$20,548.00	\$27,337.00	\$25,269.75	\$15,374.25	\$19,243.00					158,460.00
Permit Fees													
Special Insp													
Ada Total	\$16,741.00	\$14,157.00	\$19,790.00	\$20,548.00	\$27,337.00	\$25,269.75	\$15,374.25	\$19,243.00					158,460.00
Plainfield	\$18,782.75	\$17,277.00	\$15,249.00	\$13,046.00	\$19,151.00	\$19,639.25	\$16,884.00	\$18,974.00					\$139,003.00
Permit Fees													
Special Insp													
Plainfield Total	\$18,782.75	\$17,277.00	\$15,249.00	\$13,046.00	\$19,151.00	\$19,639.25	\$16,884.00	\$18,974.00					139,003.00
East Gr	\$9,818.00	\$12,560.00	\$11,758.00	\$13,067.00	\$10,683.00	\$14,630.00	\$11,593.00	\$13,716.00					97,825.00
Permit Fees													
Special Insp													
East Gr Tot	\$9,818.00	\$12,560.00	\$11,758.00	\$13,067.00	\$10,683.00	\$14,630.00	\$11,593.00	\$13,716.00					97,825.00
GR Twp	\$16,535.00	\$27,453.50	\$30,433.75	\$14,583.00	\$18,437.25	\$24,570.50	\$21,838.00	\$22,004.00					175,855.00
Permit Fees													
Special Insp													
GR Twp tot	\$16,535.00	\$27,453.50	\$30,433.75	\$14,583.00	\$18,437.25	\$24,570.50	\$21,838.00	\$22,004.00					175,855.00
Lowell Twp	\$6,189.00	\$7,417.00	\$6,479.00	\$3,945.00	\$6,093.00	\$4,661.25	\$4,403.00	\$9,138.00					48,325.25
Permit Fees													
Special Insp													
Lowell Tot	\$6,189.00	\$7,417.00	\$6,479.00	\$3,945.00	\$6,093.00	\$4,661.25	\$4,403.00	\$9,138.00					48,325.25
Vergennes	\$4,070.00	\$3,586.00	\$1,581.00	\$3,136.00	\$1,939.00	\$3,522.00	\$1,126.00	\$1,552.00					20,512.00
Permit Fees													
Special Insp													
Verg Total	\$4,070.00	\$3,586.00	\$1,581.00	\$3,136.00	\$1,939.00	\$3,522.00	\$1,126.00	\$1,552.00					20,512.00
City of Low	\$1,274.00	\$2,266.00	\$3,768.00	\$2,649.00	\$2,397.00	\$3,728.00	\$5,215.00	\$5,674.00					\$26,971.00
Permit Fees													
Special Insp													
L. City Tot	\$1,274.00	\$2,266.00	\$3,768.00	\$2,649.00	\$2,397.00	\$3,728.00	\$5,215.00	\$5,674.00					\$26,971.00
Subtotal	\$73,409.75	\$84,716.50	\$89,058.75	\$70,974.00	\$86,037.25	\$86,020.75	\$76,433.25	\$90,301.00					666,951.25
Cascade	\$21,598.75	\$39,182.25	\$54,063.25	\$46,870.00	\$32,959.99	\$42,087.75	\$33,215.75	\$43,340.00					313,317.74
Total w/ Cas	\$95,008.50	\$123,898.75	\$143,122.00	\$117,844.00	\$118,997.24	\$138,108.50	\$109,649.00	\$133,641.00					980,268.99
			2016 YTD	\$980,266.99		2015 YTD	\$1,028,976.86						DIFFERENCE
													\$48,707.87
GRAND TOTAL PERMIT FEE CHART													

CASCADE CONSOLIDATED FEES

YEAR 2016

MONTH	Building Comm.	Building Residential	Electrical	Mechanical	Plumbing	TOTAL
JANUARY	\$1,984.00	\$2,368.00	\$3,683.00	\$11,943.75	\$1,620.00	\$21,598.75
FEBRUARY	\$12,913.00	\$11,084.00	\$4,595.00	\$8,740.25	\$1,870.00	\$39,182.25
MARCH	\$31,981.00	\$5,515.00	\$5,390.00	\$5,121.25	\$6,058.00	\$54,063.25
APRIL	\$23,381.00	\$5,026.00	\$9,861.00	\$5,860.00	\$2,742.00	\$46,870.00
MAY	\$3,527.24	\$9,412.00	\$7,783.00	\$9,003.75	\$3,234.00	\$32,959.99
JUNE	\$10,785.00	\$12,030.00	\$5,431.00	\$9,967.75	\$3,874.00	\$42,087.75
JULY	\$5,387.00	\$11,980.00	\$5,302.00	\$6,175.75	\$4,371.00	\$33,215.75
AUGUST	\$6,671.00	\$9,907.00	\$10,370.00	\$11,821.00	\$4,571.00	\$43,340.00
SEPTEMBER						
OCTOBER						
NOVEMBER						
DECEMBER						
YEAR END TOTAL	\$96,629.24	\$67,302.00	\$52,415.00	\$68,633.50	\$28,338.00	\$313,317.74
PERMIT # FOR MONTH	17	26	55	90	36	224
PREV PERMIT TOTAL	90	199	256	395	192	1132
PERMIT TOTAL FOR YR	107	225	311	485	228	1356
YEAR TO DATE	2016	\$313,317.74				
YEAR TO DATE	2015	\$399,419.50				
UNDER	\$86,101.76					

CASCADE SINGLE FAMILY HOMES

Number of Permits	AUGUST	YTD 2016	2015	2014	2013	2012
New Residential Homes	7	44	62	154	74	49
VALUE - RESIDENTIAL	\$ 2,731,725.00	\$ 17,479,377.00	\$ 26,706,215.00	\$ 39,466,458.00	\$ 30,714,184.00	\$16,148,000.00

Cascade Twp -Permit Report by Category/ Fee

8/1/2016 12:00:0 to 8/31/2016 12:00:

Permit	Applicant	Address	Issue Date	Project Value	Permit Fee	Work Description
PB16000888	BUSH BUILDERS LLC	4640 QUIGGLE AVE SE	08/04/2016	200,000	519.00	RESIDENCE W/DECK
PB16000939	FOREST HILLS HOME	7550 CASCADE RD SE	08/05/2016	475,000	1,117.00	RESIDENCE W/FINISHED BASEMI
PB16000957	EASTBROOK HOMES I	1300 MARSMAN	08/15/2016	409,993	1,015.00	RESIDENCE W/FINISHED BASEMI
PB16000929	MOSAIC HOMES	2069 STEKETEE WOODS LN SE	08/16/2016	397,707	821.00	RESIDENCE
PB16000987	BOVERHOF BUILDER	8830 SUMMERSSET WOODS CT S	08/22/2016	500,134	1,198.00	RESIDENCE W/DECK
PB16000986	EASTBROOK HOMES I	6114 MCALLISTER CT	08/26/2016	348,891	893.00	RESIDENCE W/DECK
PB16001055	HOEKZEMA KEVIN F	7222 STOREYBOOK LN SE	08/29/2016	400,000	937.00	RESIDENCE W/FINISHED BASEMI
				2,731,725	6,500.00	

7	Permits	Value Total	Fee Total
		2,731,725	6,500.00

TREASURER'S DEPARTMENT

CASCADE CHARTER TOWNSHIP

TAX ACCOUNTS

JULY 2016

BANK BALANCES

TOWNSHIP BALANCES

BANK AMOUNT

REGISTER AMOUNT

CHEMICAL BANK

CHEMICAL BANK

TAX CHECKING \$1,565,471.31

TAX CHECKING \$1,565,471.31

CHEMICAL BANK

CHEMICAL BANK

DELINQUENT TAX \$16,484.07

DELINQUENT TAX \$16,484.07

CHEMICAL BANK

CHEMICAL BANK

TAX WIRE ACCT \$89,312.40

TAX WIRE ACCT \$89,312.40

GRAND TOTAL \$1,671,267.78

GRAND TOTAL \$1,671,267.78

Oxana Sourine

8/30/2016

Submitted by
OXANA SOURINE
DEPUTY TREASURER

Date

Kenneth B. Peirce 8/31/16

Reviewed by
KENNETH B. PEIRCE
TREASURER

Date

CASCADE CHARTER TOWNSHIP
 TREASURER'S OFFICE REPORT
 July 2016

FUND	INSTITUTION	INTEREST		DEMAND DEPOSIT		CDs			SECURITIES			TOTALS	
		THIS MONTH	GL	\$	%	\$	%	DATE	\$	%	DATE	\$	%
101	GENERAL FUND												
	CHEMICAL	38.99		825,378.68	0.05								
	KENT CTY POOL	2,502.50		4,460,074.35	0.67								
	INDEPENDENT					300,000.00	1.35	9/27/2016					
	MERCANTILE					510,599.72	0.90	7/20/2018					
	FLAGSTAR					257,674.61	0.65	11/21/2016					
	HUNTINGTON					514,670.13	0.91	9/13/2017					
	TALMER BANK					500,000.00	1.00	6/16/2017					
	CONSUMERS CU	5,959.76				255,959.76	0.80	7/8/2019					
	MACATAWA					250,000.00	0.89	11/21/2016					
	BANK OF HOLLAND												
	FLAGSTAR												
	COMERICA SECUR./WF	410.96									500,000.00	1.00	9/25/2017
	TOTAL GENERAL FUND	8,912.21	-	5,285,453.03	0.57	3,088,904.22	0.92				500,000.00	1.00	
													8,874,357.25
													0.72
151	CEMETERY												
	LMCU	32.92		97,237.09	0.40								
	TOTAL CEMETERY	32.92	-	97,237.09	0.40								97,237.09
													0.40
206	FIRE FUND												
	CHEMICAL	14.68		442,877.93	0.05								
	LMCU	470.55		1,110,754.69	0.50								
	LMCU					536,265.51	1.40	10/25/2017					
	COM CHOICE CU					250,000.00	1.27	3/18/2017					
	FNBA					531,427.61	1.50	7/24/2018					
	HUNTINGTON					259,925.13	0.55	11/17/2017					
	OPTION1					250,005.00	0.75	3/24/2017					
	5/3 BANK	4,704.65											
	TOTAL FIRE FUND	5,189.88	-	1,553,632.62	0.37	1,827,623.25	1.20				-	-	3,381,255.87
													0.82
207	POLICE FUND												
	FLAGSTAR	364.54		774,894.84	0.50								
	NORTHPOINTE BANK					250,000.00	1.20	11/8/2016					
	BANK OF HOLLAND					614,281.25	1.00	8/20/2016					
	TOTAL POLICE FUND	364.54	-	774,894.84	0.50	864,281.25	1.06				-	-	1,639,176.09
													0.79
208	HAZMAT FUND												
	LMCU	13.37		45,105.83	0.35								
	TOTAL HAZMAT FUND	13.37	-	45,105.83	0.35								45,105.83
													0.35
209	OPEN SPACE												
	CHEMICAL	8.48		200,228.59	0.05								
	LMCU (HOMEYER)	149.50		352,898.52	0.50								
	FLAGSTAR						0.45	4/12/2016					
	CWCU					250,001.00	0.75	10/15/2016					
	TOTAL OPEN SPACE	167.98	-	553,127.11	0.34	250,001.00	0.75				-	-	803,128.11
													0.47
211	DAM REPAIR												
	LMCU	105.00		247,849.88	0.50								
	LMCU					311,935.86	1.30	3/10/2017					
	TOTAL DAM REPAIR	105.00	-	247,849.88	0.50	311,935.86	1.30				-	-	559,785.74
													0.95
216	PATHWAY FUND												
	MACATAWA	145.39		732,132.38	0.25								
	OPTON1					524,327.53	1.10	10/8/2018					
	TOTAL PATHWAY FUND	145.39	-	732,132.38	0.25	524,327.53	1.10				-	-	1,256,459.91
													0.60
246	PUBLIC UTILITY												
	CHEMICAL BANK	5.31		128,458.65	0.05								
	LMCU	127.98		302,108.21	0.50								
	LMCU					700,000.00	1.40	12/22/2016					
	TALMER					500,000.00	0.95	6/29/2018					
	TOTAL PUBLIC UTILITY	133.29	-	430,566.86	0.37	1,200,000.00	1.21				-	-	1,630,566.86
													0.99
248	DDA FUND												
	LMCU	4.38		17,199.04	0.50								
	CHEMICAL BANK	16.13		175,589.51	0.05								
	OPTION ONE					200,005.00	0.75	3/24/2017					
	BANK OF HOLLAND						0.75	5/26/2016					
	TOTAL DDA FUND	20.51	-	192,788.55	0.09	200,005.00	0.75				-	-	392,793.55
													0.43
249	BLDG. INSPECTION												
	CHEMICAL BANK	10.86		261,677.45	0.05								
	CHEMICAL BANK R.			35,407.25									
	CONSUMERS CU					300,025.00	0.70	3/10/2017					
	TALMER BANK					400,000.00	0.75	4/28/2017					
	FNB OF AMERICA					100,879.52	1.40	12/18/2017					
	FNB OF AMERICA					200,000.00	1.35	9/18/2016					
	FNB OF MI					511,395.83	1.15	10/11/2018					
	FIRST COMMUNITY B.					250,000.00	1.00	5/27/2018					
	INDEPENDENT BANK					300,000.00	1.10	12/19/2016					
	TOTAL BLDG. INSPECT.	10.86	-	297,084.70	0.04	2,062,300.35	1.01				-	-	2,359,385.05
													0.89
270	LIBRARY FUND												
	UNITED BANK	139.54		439,220.62	0.40								
	LMCU					832,967.83	1.30	3/20/2017					
	WMCB					254,471.21	0.85	6/1/2018					
	NORTHPOINTE BANK					533,905.65	1.30	4/7/2018					
	TOTAL LIBRARY FUND	139.54	-	439,220.62	0.40	1,621,344.69	1.23				-	-	2,060,565.31
													1.05
701	T & A												
	CHEMICAL BANK	4.77		97,590.73	0.05								
	CHEMICAL BANK					12,400.00	1.60	3/21/2017					
	CHEMICAL BANK												
	CHEMICAL BANK												
	TOTAL T & A	4.77	-	97,590.73	0.05								97,590.73
													0.05
701	JAMES TIMMONS												
	CHEMICAL BANK												
	CHEMICAL BANK												
	CHEMICAL BANK												
	TOTAL JAMES TIMMONS	22,812.12	-	22,812.12	0.05								22,812.12
													0.05
701	HENRY KRAMER												
	CHEMICAL BANK			15,172.93	0.05								
	TOTAL HENRY KRAMER	15,172.93	-	15,172.93	0.05								15,172.93
													0.05
	TOTAL	15,230.26	-	10,784,669.29	0.45	11,963,123.15	1.07				500,000.00	1.0	23,247,792.44
													0.78

Oxana Sourine 8/30/16
 Submitted by Oxana Sourine Deputy Treasurer Date

Ken Peirce 8/31/16
 Reviewed by Ken Peirce Date Treasurer



**Cascade Charter Township
Seminar/Conference Attendance Request**

Conditions for Reimbursement:

- Cascade Charter Township will send employees at Township expense for required and/or approved work related seminars/conferences. Individual seminars/conferences must be directly related to the employee's current job duties in the organization.
- Some seminars/conferences that an employee may attend may be unrelated to their particular job or government in general, and are therefore are not covered by this policy.
- Any seminar/conference request that requires an overnight stay or expenditure over \$200 shall receive Township Board approval prior to attending the seminar/conference.
- Under extenuating circumstances, the Township Manager may approve an overnight stay or expenditure over \$200 for a seminar/conference prior to Township Board approval. The request must be made before attendance to a seminar/conference. The Township Board will be informed of the request at their next scheduled meeting.

This form must be completed by the employee and approved by the Township Manager and/or Township Board before the Seminar/Conference is attended.

Name: Sandra Korhorn

Application Date: September 6, 2016

Location of Seminar/Conference: Traverse City, MI

Name of Proposed Seminar/Conference: Michigan Downtown Association State Conference

Date of Proposed Seminar/Conference: October 13 & 14, 2016

Description of Seminar: (may also be attached): See attached

How will the Seminar/Conference benefit the employee and the Township? Education of DDA/Economic Development on a variety of issues by attending sessions, training workshops and other conference activities.

Cost of Seminar/Conference: \$155.00 **Lodging:** \$132.09 **Travel:** \$ 162.00

Your Signature:

Sandra Korhorn

Approvals:

Department Head: _____ **Date:** _____

Township Manager: _____ **Date:** _____

Clerk's Signature: _____ **Date:** _____

(Showing Township Board approval)

Original to personnel file
1 copy to applicant
1 copy to Accounting

Annual Statewide Michigan Downtowns Conference, Traverse City Registration Form



Publicity, Perception & Promotion - Key Elements to Effectively Market Your Downtown

Name Sandra Korhorn
Organization Cascade Charter Township
Phone 616 949 1500 Email Sandra@cascade.twp.com

Conference registration fees:

Early Bird Rate: MDA Member \$155 Non-Member \$200 Non-Member Student with valid student ID \$50
After 10/7 and at the Door: MDA Member \$180 Non-Member \$225

RSVP: Michigan Downtown Association, P.O. Box 82369 Rochester, MI 48308-2369 ph 248.838.9711
info@michigandowntowns.com www.michigandowntowns.com

Please return this form with payment to MDA by **October 7, 2016**. Make checks payable to the Michigan Downtown Association.
If you cannot get your check processed by that time, we can accept payment at the door or payment by invoice.
You may also register and pay online via PayPal. Visit michigandowntowns.com/events.php

___ Visa ___ MC ___ Dis ___ Amex ___ Card No. _____ Exp. Date _____ Sec. Code: _____

Name on Card: _____ Signature: _____ Zip Code: _____



Welcome to Downtown Traverse City

Downtown Traverse City is the cultural, dining, and business capital of Northwest Michigan. The city is recognized as a culinary destination focusing on local agriculture which supports a rich farm-to-table cuisine. With over 150 stores, there is something for every shopping need. Traverse City does not fall short for cultural opportunities, with two historic movie theaters, the City Opera House, and a community theatre and arts center. Home to a diverse calendar of events, including the National Cherry Festival and the Traverse City Film Festival, downtown Traverse City hosts visitors from around the world. A mixture of historic preservation and modern amenities give Traverse City's downtown a diverse urban appeal, all surrounded by natural beauty.

Hotel Information:

Hotel Indigo: call directly at 231-932-0500 or go online to www.ihg.com and use the Group Code MDA. MDA room rate expires Sept. 23.

Park Place Hotel: call 231-946-5000 and ask for the MDA rate. MDA room rates expire Sept. 12.



Strengthening Downtowns

Founded in 1980, the Michigan Downtown Association (MDA) is a state-wide, non-profit organization and a driving force in the interest and growth of downtowns and communities throughout Michigan. The MDA encourages the development, redevelopment, and continuing improvement of Michigan communities and downtowns.

For membership information contact:
Gerard J. Dettloff, MDA Executive Director
Tiffany Dziurman Stozicki, Assistant Director
P.O. Box 82369 Rochester, MI 48308-2369
director@michigandowntowns.com
ph 248.838.9711

www.michigandowntowns.com



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Follow us on Twitter:
twitter.com/MIDowntownAssn



Follow us on Linked In:
linkedin.com/company/michigan-downtown-association





Strengthening Downtowns

P.O. Box 82369 Rochester, MI 48308-2369



Strengthening Downtowns

Annual Statewide Michigan Downtowns Conference

*Publicity, Perception & Promotion
Key Elements to Effectively Market Your Downtown*

Thursday, Oct. 13 & Friday, Oct. 14, 2016 Downtown Traverse City

Presented by Wantify

The Hotel Indigo Traverse City 263 W Grandview Pkwy, Traverse City, MI



CASCADE
CHARTER
TOWNSHIP

Cascade Charter Township
Seminar/Conference Attendance Request

Conditions for Reimbursement:

- Cascade Charter Township will send employees at Township expense for required and/or approved work related seminars/conferences. Individual seminars/conferences must be directly related to the employee's current job duties in the organization.
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- Under extenuating circumstances, the Township Manager may approve an overnight stay or expenditure over \$200 for a seminar/conference prior to Township Board approval. The request must be made before attendance to a seminar/conference. The Township Board will be informed of the request at their next scheduled meeting.

This form must be completed by the employee and approved by the Township Manager and/or Township Board before the Seminar/Conference is attended.

Name: Brian Wilson

Application Date: 8.23.16

Location of Seminar/Conference: Frankenmuth, MI

Name of Proposed Seminar/Conference: COCM

Date of Proposed Seminar/Conference: Sept 27-30

Description of Seminar: (may also be attached)

How will the Seminar/Conference benefit the employee and the Township? _____

Required Act 54 Credit

Cost of Seminar/Conference: \$ 240 Lodging: \$ 360 Travel: \$ 140

Your Signature: Brian Wilson 249-371-724-000

Approvals:

Department Head: B. Wilson Date: _____

Township Manager: _____ Date: _____

Clerk's Signature: _____ Date: _____

(Showing Township Board approval)



Code Officials Conference of Michigan

2016 Fall Conference

Bavarian Inn - Frankenmuth

September 27 - 30, 2016

2016 FALL CONFERENCE REGISTRATION

You MUST send your REGISTRATION, MEMBERSHIP FORM (if not already a 2016 member) and PAYMENT as soon as possible to COCM so that it is received no later than September 7, 2016

Name: Brian Wilson		Jurisdiction representing: Cascade Township	
Mailing address: 2865 Thornhills Ave SE	City: Grand Rapids	State: MI	Zip code: 49546
Telephone number: 616-949-3765	Email Address: bwilson@cascadetwp.com	Public Act 54 #: 5214	

<i>Please help us in our planning by checking the appropriate boxes below for events you plan to attend:</i>	
<input type="checkbox"/> SINGLE DAY: \$115.00 if <u>application and payment</u> are received by September 7, 2016 SINGLE DAY: \$140.00 if <u>application and payment</u> are received after September 7, 2016 For Single Day registration, please check the day(s) you will be attending below Tues Sept 27 <input type="checkbox"/> Wed Sept 28 <input type="checkbox"/> Thurs Sept 29 <input type="checkbox"/> Fri Sept 30 <input type="checkbox"/>	Enter Conference fee here..... \$ 240
<input checked="" type="checkbox"/> FULL Conference: \$240.00 (all or multiple days) if <u>application and payment</u> received by September 7, 2016 FULL Conference: \$265.00 if <u>application and payment</u> received after September 7, 2016	
ANNUAL FALL BANQUET: Attendance at the Thursday Evening Banquet is included with Full Conference Registration for Member and a Guest at no additional charge. (a \$35 value per person) \$35.00 per Person Banquet fee applies to Conference attendees wishing to attend the banquet with SINGLE DAY CONFERENCE REGISTRATION, or those who may wish to just attend the Banquet Please indicate your plans to attend the Thursday evening banquet by checking the appropriate box below. WILL ATTEND: Myself <input checked="" type="checkbox"/> Guest <input type="checkbox"/> WILL NOT BE ATTENDING: <input type="checkbox"/> ATTEND BANQUET ONLY + \$35.00 fee: <input type="checkbox"/> Myself <input type="checkbox"/> Guest	Enter Banquet fee (if applicable) here..... \$
2016 COCM MEMBERSHIP: Membership Dues are \$40 per member. Membership is required to participate in the conference. Membership applications can be found at the COCM website. Check the COCM website for the current list of 2016 paid members <u>If your name is not shown as a paid 2016 member, \$40 DUES PAYMENT and a completed membership form must be submitted with your conference registration.</u>	Enter Membership fee (if applicable) here \$
Golf and/or Conference fee + Banquet (if applicable) + Membership Dues (if not yet a member) = TOTAL PAID	\$ 240

HOTEL: Bavarian Inn One Covered Bridge Lane Frankenmuth, MI. 48734 884-264-9023

HOTEL ACCOMODATIONS ARE NOT INCLUDED IN THE CONFERENCE FEE. Hotel contact information is provided above.
 Indicate you are with "COCM" when making your reservation
 Additional Lodging Information can be found at the COCM website. Room Block is held until August 20, 2016

Please make check payable to COCM and mail with registration form to: COCM PO Box 1101 Benton Harbor, MI 49023-1101	COCM CONTACT INFORMATION www.cocm.org cocm1@yahoo.com 269-208-3326
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COCM 2016 Fall Conference Agenda

To be held at the Bavarian Inn & Frankenmuth Brewery Conference Center
COCM is an ICC Preferred Provider – Provider Number 1059

Tuesday Sept 27, 2016

Only 1 track today **AT THE FRANKENMUTH BREWERY**
Registration desk opens at 8:00am

9:00 am	Welcome and conference announcements	
9:00 am – Noon	IBC Accessible Means of Egress (Course # pending)	ICC (Roger Axle) (ICC #1514) 3 Hours (category pending)
Noon – 1:00 pm	Lunch Provided	
1:00 pm – 4:00 pm	IRC Residential Deck Construction (Course # pending)	ICC (Roger Axle) 3 Hours (category pending)

Wednesday Sept 28, 2016

2 Tracks today, both **AT THE BAVARIAN INN**
Registration desk opens at 7:30am

Track 1

8:00 am – 10:00 am	Structural Insulated Panels Course # 18442 BI, EI, PI	Joel Szukhent, Porter Corp 2 Hours Specialty
10:00 am – Noon	Insp. of Concrete in Normal, Hot and Cold temps Course # 18441	ACI (Heather Smith) 2 Hours Specialty
Noon – 1:15 pm	Lunch Provided (following brief business meeting)	
1:15 pm – 4:15 pm	Avoiding Exterior Envelope Failures Course # 18380 (BI only) ICC PP class #641	Brian Tognetti (ICC #1007) 3 Hours Tech

Track 2

9:00 am – Noon	Performing 2012 IBC Structural Plan Reviews (Course # pending) ICC PP class # 8294	ICC (Roger Axle) (ICC #1514) 6 Hours plan review
Noon – 1:15 pm	Lunch Provided (following brief business meeting)	
1:15 pm – 4:15 pm	Performing Structural Plan Reviews (continued) (Course # pending)	ICC (Roger Axle)

Thursday Sept 29, 2016

2 Tracks today, both AT THE BAVARIAN INN

Registration desk opens at 7:30 am

Track 1

8:00 am – Noon	Fire Door Systems, A Guide To Code Compliance Course # 18386 (BI only)	David Dodge 5 Hours Tech
Noon – 1:00 pm	Lunch Provided	
1:00 pm – 2:00 pm	Fire Door Systems (continued)	David Dodge
2:00 pm – 4:00pm	Top 25 Serious Violations in Construction Course # 18139 (ALL)	James Getting 2 Hours Admin

Track 2

8:00 am - 9:00 am	Movement Control Course # 18233 (BI or BO/PR only)	Michelle Heitz 1 Hour Spec
9 am- 10 am	Flashing Multi-Wythe Masonry Walls Course #18234 (BI or BO/PR only)	Michelle Heitz 1 Hour Spec
10 am- 11 am	Special Inspection for Structural Masonry Course #18235 (BI or BO/PR only)	Michelle Heitz 1 Hour Tech
11 am- Noon	Energy code compliance for single wythe masonry Course #18236 (BI or BO/PR only)	Michelle Heitz 1 Hour Tech
Noon – 1:00 pm	Lunch Provided	
1:00pm – 4:00 pm	FEMA and Flood Zone Construction Issues Course # 18276 (BI only)	Karol Grove 3 Hours Tech

Friday Sept 30, 2016

1 Track today AT THE BAVARIAN INN

9am – Noon	TBA (Course # pending) (ALL)	Keith Lambert 3 Hours Admin
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(last updated 6/29/16)



**Cascade Charter Township
Seminar/Conference Attendance Request Form**

This form must be filled out if the employee is requesting Township payment or reimbursement for the employee's attendance to a seminar or conference.

Conditions:

1. Cascade Charter Township will reimburse employees for approved registration for work related seminars and conferences. Individual seminars and conferences must be related to the employee's current job duties or a foreseeable-future position in the organization in order to be eligible for educational assistance.
2. Some seminars/conferences that an employee may attend may be unrelated to their particular job or government in general, and are therefore not covered by this assistance policy.
3. Any request that requires an overnight stay or expenditure over \$200 requires Township Board approval before the seminar/conference is attended.
4. Under extenuating circumstances, the Township Manager may approve an overnight stay or expenditure over \$200 for a conference or seminar prior to Township Board approval. The request must be made before attendance to a seminar/conference. The Township Board will be informed of request at their next scheduled meeting.

This form must be completed by the employee and approved by the Township Manager and/or Township Board before the seminar/conference is attended.

Name: MILDRED PINDER

Application Date: 8/22/2016

Location of Seminar/Conference ACME MI

Name of Proposed Seminar/Conference: MERS CONFERENCE 9/27- 9/29/2016

Description of Seminar/Conference: (may also be attached) SEE ATTACHED

(over)

How will the Seminar/Conference benefit the employee and the township?

UPDATED ON MERS PENSION PLAN AND RSI FOR THE PENSION LIABILITY.

Cost of the Seminar/Conference: (Registration) \$ 250.00 _____

(Lodging) \$ 429.50 (Travel) \$ 155.00 _____

Account #: 101-295-724-000

Your Signature: _____ *Meredith Bender* _____

Approvals:

Department Head: _____ Date: _____

Township Manager: _____ Date: _____

Clerk's Signature: _____ Date: _____

(Showing Township Board approval)

Original to personnel file

1 copy to applicant

1 copy to Accounting

With
70
years of history

Over
100 000
MERS Participants

And More Than
\$ 9000000000
in combined total assets

MERS celebrates the past while looking forward to the future.

[Register](#)

MERS Conference App

Coming Soon!



The app will give you access to:

- Event schedules
- Speaker biographies
- Session presentations
- See who's attending
- View Board Candidates
- Fill out session surveys
- Much more!

Registration

Conference and Hotel

Conference Registration



The registration fee includes all scheduled meeting events and scheduled meals. All individuals (including spouses) who plan to attend sessions must complete a registration form and pay the full registration fee. Individual meal tickets are available for purchase for guests who do not plan to attend any sessions.

New this year! We'll offer an early bird registration cost of \$175 if you register by August 5.

Registration fees

	Member *	Associate Attendees **	Register
Early Bird now - August 5	\$175	\$400	Online registration will end, September 16 at midnight.
August 5 - September 16	\$250	\$500	Click to Register (http://www.cvent.com/d/ffqvdz)
Onsite	\$350	\$600	(Note: does not include hotel. View guest meal and hotel information below.)

*Employer / Employee Delegates and Non-voting attendees (including spouses who are attending meals AND educational sessions)

**An Associate Attendee is defined as someone employed by a trade association or vendor organization

Guest Meal Tickets

You may purchase meal tickets for a guest when you register online or at the MERS registration desk at the Grand Traverse Resort during registration hours. (Note! Only purchase meal tickets for those guests who do not plan to attend any general or breakout sessions.)

Cost per meal:

Breakfast/Lunch	\$30 if purchased online (\$35 if purchased onsite)
Wednesday Reception/Dinner	\$65 if purchased online (\$70 if purchased onsite)

Note for Elected Delegates

Prior to registering for the conference, please complete the **delegate form** and save it to your computer. During the online registration process, you will be asked to attach the form to your registration. Please do not submit a delegate form if you do not plan to attend annual conference or have not been elected by your municipality to attend as a delegate.

Cancellations and Refunds

Cancellations must be received by **Friday, September 16** in order to receive a refund for conference registration or guest meal fees. You may cancel by using the link that was provided in the confirmation email you received when you registered, or you can fax your request to 517-703-9707 or email it to jolivarez@mersofmich.com. Check refunds will be issued after Annual Conference. (Note: Refunds will not be issued for cancellations made after September 16 or conference no-shows.)

Hotel Registration



The Grand Traverse Resort has reserved a block of rooms for MERS Annual Conference attendees.

Rates are guaranteed until Friday, August 26, 2016. Please make your hotel reservation when registering for the conference to ensure availability. Rooms do fill up fast!

Guestroom Type	Guestroom Rate	Reservations
Hotel Guestroom <i>single/double occupancy</i>	\$150.00/night + tax and applicable fees	To make a reservation, call the Grand Traverse Resort at 1-800-968-7352 (mention that you are with the MERS 70th Annual Conference) or Reserve Room online (http://www.grandtraverseresort.com/promocode?promocode=mers916&ga=1.58282665.201964030.1389811536)
Tower Guestrooms	\$180.00/night + tax and applicable fees	
Studio Condominium	\$150.00/night + tax and applicable fees	
One Bedroom Condominium	\$180.00/night + tax and applicable fees	
Two Bedroom Condominium	\$230.00/night + tax and applicable fees	
Three Bedroom Condominium	\$280.00/night + tax and applicable fees	

Tax Exempt Governmental Entities:

In order to exercise tax exempt status, please bring the following at the time of hotel check-in:

1. A form from the Internal Revenue Service/Dept. of Treasury stating your exemption status. It must fall under Section 501(c)3 or 501(c)4 in order to qualify for exemption from Michigan Sales and Use Tax.
2. If paying by CHECK, the check must be drawn on the Tax Exempt Group/ Organization's Funds. A 501(c)3 or 501(c)4 form must accompany the check.
3. If paying by CREDIT CARD (such as municipality credit card), you must use the organization's credit card along with a 501(c)3 or 501(c)4 form accompanied with the credit card. Tax exempt status applies only to Michigan State Sales Tax and not to other city, visitor bureau, or hotel taxes.
4. Each individual must settle their outstanding balance with the hotel before a tax exemption may be posted.

Special Needs

The hotel will be happy to assist you with any special needs. Please identify any special needs you might have at the time you make reservations.

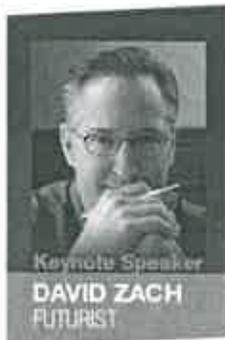
Hotel Changes/Cancellations

Make all changes and cancellations directly with the hotel. Check with the hotel regarding their cancellation policy.

Agenda

Summary of topics:	
<ul style="list-style-type: none"> • Unfunded Accrued Liability • Fiduciary Responsibility • OPEB Options • Regulatory Updates • MERS Investment Menu • Retirement Readiness • Much more! 	
Note: Breakout session details and print version of our agenda coming soon.	
Tuesday, September 27	
Time	Event
4 – 6 p.m.	Board Meeting
4 – 7 p.m.	Early Arrivers Registration
5 – 6 p.m.	Employer Portal Hands-On Workshop (more information coming soon)
6 – 7 p.m.	Employer Portal Hands-On Workshop (more information coming soon)
7 - 8 p.m.	Early Arrivers Networking Reception
Wednesday, September 28	
Time	Event
8 a.m. – 1 p.m.	Registration
8 - 9 a.m.	Breakfast
9 - 9:30 a.m.	CEO Welcome
9:30 - 10:30 a.m.	General Session <i>How to Maximize Social Security Benefits Now - Mary Beth Franklin (docs/GuestsSpeakers.pdf)</i>
10:30 - 10:45 a.m.	Refreshment Break
10:45 – 11:45 a.m.	Breakout Sessions
	- Part 1 - Sustainable Pension Funding Basics
	- The Path Forward: Designing the Ideal Defined Contribution Plan
	- Who's Your Fiduciary and Other Questions You Should Be Asking About Your Retirement Plan
	- Life Stages: From Accumulation to Decumulation
	- Crossing the Finish Line - An Overview of the MERS DB Retirement Process
11:45 a.m. – 12:30 p.m.	Lunch
12:30 – 1:15 p.m.	Keynote Address <i>Designs on the Future - David Zach (docs/GuestsSpeakers.pdf)</i>
1:30 – 2:45 p.m.	Breakout Sessions
	- General Session Follow Up: Q&A with <u>Mary Beth Franklin (docs/GuestsSpeakers.pdf)</u>
	- Part 2 - Funding and Plan Design Strategies
	- The OPEB Journey: One Municipality's Success Story
	- Social Security Basics
	- Advanced Practices of Managing the Defined Benefit Portfolio
2:45 – 3 p.m.	Afternoon Refreshment Break
3 – 4:15 p.m.	Breakout Sessions
	- Advanced Practices of Managing the Defined Benefit Portfolio

	- The Path Forward: Designing the Ideal Defined Contribution Plan
	- To Bond, or Not to Bond?
	- Social Security Basics
	- Medicare Basics
4:15 – 5:30 p.m.	Break
5:30 – 6:30 p.m.	Reception
6:30 – 8:00 p.m.	"Dining Through the Decades" Strolling Dinner
Thursday, September 29	
Time	Event
7:30 – 8:30 a.m.	Breakfast
8:30 – 9:45 a.m.	Breakout sessions
	- Who's Your Fiduciary and Other Questions You Should Be Asking About Your Retirement Plan
	- Crossing the Finish Line - An Overview of the MERS DB Retirement Process
	- Life Stages: From Accumulation to Decumulation
	- Medicare Basics
9:45 – 10 a.m.	Morning Refreshment Break
10 – 11:30 a.m.	Business Meeting
11:30 – 12:30 p.m.	General Session
12:30 p.m.	Lunch/closing remarks



Keynote Speaker

David Zach, Futurist
"Designs on the Future"

David Zach is one of the few professionally trained futurists on this planet, having earned a master's degree in Studies of the Future from the University of Houston-Clear Lake. Of course that was way back in 1981, so it's pretty much history at this point.

As a Futurist, David's worked with over 1500 associations, corporations and colleges offering insights on the personal and professional impact of strategic trends. In other words, he gives funny, fascinating and thought-provoking talks on the strategic trends and traditions with design, technology, economics, business, education, demographics and society. [Read more \(docs/GuestSpeakers.pdf\)](#) (pdf.)



General Session Speaker

Mary Beth Franklin, Contributing Editor, InvestmentNews
"How to Maximize Social Security Benefits Now"

Social Security benefits are a critical piece of the retirement income puzzle for most Americans. And while most married couples can count on Social Security spousal and survivor benefits, that is not the case for some public-sector employees. Mary Beth Franklin, a leading Social Security expert, will provide an overview of Social Security rules and claiming strategies for married couples, same-sex couples, divorced spouses, unmarried individuals and survivors. She will also discuss rules that can reduce or even eliminate Social Security benefits for some public sector employees. This session will be followed by a 60 minute breakout session for Q&A. [Read more \(docs/GuestSpeakers.pdf\)](#) (pdf.)

What Previous Attendees Say

Employer

Participant



"I think you did a great conference. I was more than impressed with the knowledge of the MERS staff."



"I have a better understanding of the retirement process and where I will stand when the time comes for me. It has given me a lot to think about in planning for my retirement."

Participant
"Your folks picked extremely timely topics, especially those covering unfunded liabilities for both pension and OPEB issues.



Couldn't be better."



Employer
"I found the breakout sessions extremely informative. The facilitators gave you the information in a very straight forward way. Just how I like to learn."

Delegate

Officer, Employee, and Alternate Delegate
Election Information and Forms

Important Note for Elected Delegates: Prior to registering for the conference, please complete the delegate form and upload it to your computer. During the online registration process, you will be asked to attach the form to your registration. This will ensure timely and accurate delivery. **Please do not submit a delegate form if you do not plan to attend annual conference or have not been elected by your municipality to attend as a delegate.**

To be a voting delegate (or alternate) representative to MERS Annual Conference, you must:

1. Be a member of MERS (A MERS member is an individual who is enrolled in MERS Defined Benefit Plan (including Hybrid) or Defined Contribution Plan.)
2. Be either an officer or department head, or elected by your peers.
3. Have this certification form completed and signed by an official at your municipality.

As provided in Section 45(2) of the MERS Plan Document, the governing body for each municipality (or the chief judge for a court) shall certify the names of two (2) delegates to the Annual Meeting. One delegate shall be a member who is an officer of the municipality appointed by the governing body of the municipality. The other delegate shall be a member who is not an officer of the municipality, elected by the member officer/employees of the municipality. The election shall be conducted in a manner that affords each member officer/employee an opportunity to vote.

Officer Delegate (or Alternate): The officer delegate shall be an officer member who holds a department head position or above, exercises management responsibilities, and is directly responsible to the legislative, executive, or judicial branch of government.

Employee Delegate (or Alternate): The employee delegate shall be an employee member, who is not responsible for management decisions, receives direction from management, and, in general, is not directly responsible to the legislative, executive, or judicial branch of government.

Delegate Certification: This form states that the officer delegate (alternate) appointments are true and correct, and the secret ballot election results for employee delegate (alternate) are true and correct. An official at the municipality must sign the certification.

 Form: **2016 Officer and Employee Delegate Certification Form (docs/DelegateForm2016.pdf)**

*(Due: Forms must be received by MERS on or before **Friday, September 16, 2016.**)*

Submit form:

Upload your form when **registering online** to attend Annual Conference.
Scan and save the completed Delegate Form to your computer before beginning the registration process. Then, when prompted during registration, simply add the file to your registration form.

Alternative methods of submission:

If you sent the form when registering, you do not need to complete this step.

MERS of Michigan
Attn: Janie Olivarez
1134 Municipal Way
Lansing, MI 48917
Fax: 517-703-9707

Email: jolivarez@mersofmich.com (<mailto:jolivarez@mersofmich.com>)

MERS Retirement Board

Board Candidate Nomination Information

If you are a currently employed full-time member of MERS and are interested in serving on the MERS Board as an Officer or Employee Board member, or you wish to nominate another full-time MERS member for a position, please fill out the requested information on this form.

 Form: **2016 Nomination Form (docs/BoardNomination2016.pdf)**

*(Due: Form, along with candidate's resume, biography, and digital photo, must be received by MERS on or before **Friday, September 2, 2016.**)*

Board member nominations of candidates employed in Eaton, Clinton, Marquette or Saginaw Counties will not be accepted because elected Board members who are currently serving and whose terms are not expiring are employed by a municipality in these counties.

At this year's election, two positions will be filled:

1. An officer position for a full three-year term (January 1, 2017 – December 31, 2019); and
2. An employee position for a full three-year term (January 1, 2017 – December 31, 2019)

Officer members may only nominate *Officer* Board members, and Employee members may only nominate *Employee* Board members. The nomination forms may be mailed or faxed to the numbers listed on the form.

Please submit the requested information to:

MERS Annual Conference
Attn: Pam Steffy
1134 Municipal Way
Lansing, MI 48917

Fax: 517.703.9723

psteffy@mersofmich.com (<mailto:psteffy@mersofmich.com>)

Got a Question? We're Here to Help!

Get in touch with us

Q -- What is the dress code for Annual Conference?

A -- The attire for all education, meals and offsite events at Annual Conference is business casual. It is recommended that you wear comfortable shoes and bring a sweater due to fluctuations in room temperature.

Q -- I have dietary restrictions. How do I indicate this when registering to attend?

A -- Please indicate your dietary restriction in the appropriate box when registering to attend Annual Conference.

Q -- My significant other would like to attend Annual Conference with me. Does he/she need to register?

A -- If your significant other plans to attend meals and educational sessions then yes, he or she would need to register to attend the conference and pay the full conference registration cost. However, if he or she does not plan to attend the educational sessions but would like to attend some of the meals, individual meal tickets are available for purchase when you register to attend. Please note: no one will be allowed to enter educational sessions and meals without a nametag or meal ticket.

Q -- Does MERS offer partial conference registration at a discounted price?

A -- No, MERS does not offer discounts on registration if you only plan to attend one or two days of the Annual Conference.

Q -- How do I get to the Grand Traverse Resort & Spa?

A -- The Grand Traverse Resort & Spa is located at 100 Grand Traverse Village Blvd, Acme, MI 49610. To map out driving directions, [click here](#)

(<https://www.google.com/maps/dir/100+Grand+Traverse+Village+Blvd,+Williamsburg,+MI+49690/'/@44.7790115,-85.4905457,17z/data=!3m1!4m1!3m1!4m1!2!1m5!1m1!1s0x881fd1c86c9a68ff:0x79bb6b27a57f74e!2m2!1d-85.488357!2d44.7790115!1m5!1m1!1s0x881fd1c86c9a68ff:0x79bb6b27a57f74e!2m2!1d-85.488357!2d44.7790115?hl=en-US>).

Q -- Where should I park at the Grand Traverse Resort?

A -- The Grand Traverse Resort offers ample free parking onsite.

Q -- Can I pay by check?

A -- Yes. If you plan to pay for Annual Conference registration(s) by check, please be sure that you have already submitted an online registration form (indicating that you are paying by check) before sending payment.

Please remit payment to: MERS 1134 Municipal Way Lansing, MI 48917

Memo - Please include the confirmation number you received when you registered on the memo line of the check.

Other Questions?

If you have any other questions related to the MERS Annual Conference, please contact our Service Center weekdays between the hours of 8:30 a.m. and 5 p.m. at 800.767.MERS (6377).

To help protect the security of information you enter into this website, the publisher of this content does not allow it to be displayed in a frame.

What you can try:

- ✦ Open this content in a new window

Driving? View Directions.

Click below to get driving directions to the Grand Traverse Resort.

 **VIEW DIRECTIONS**

(HTTPS://WWW.GOOGLE.COM/MAPS/DIR//GRAND+TRAVERSE+RESORT+AND+SPA,+100+GRAND+TRAVERSE+VILLAGE+BLVD,+ACME,+MI+44M16!1M7!3M6!1S0X881FD1C86DA5AFC9:0X9DCD7AF59C59CFF3!2SGRAND+TRAVERSE+RESORT+AND+SPA!3B1!8M2!3D44.778775!1S0X881FD1C86DA5AFC9:0X9DCD7AF59C59CFF3!2M2!1D-85.487606!2D44.778775)

Be Social with Us!

Connect to MERS through social media to stay updated on upcoming events and other important retirement information.

(https://www.mersofmich.com/Portals/0/Microsite/AnnualConference/index.html)

**employees'
22-
retirement-
system-
of-
michigan)**

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09/02/2016 CHECK DISBURSEMENT REPORT FOR CASCADE CHARTER TOWNSHIP
CHECK DATE FROM 08/01/2016 - 08/31/2016
AUGUST 2016 PAYABLES, PAYROLL, AND TRANSFERS

Check Date	Bank	Check #	Invoice	Payee	Description	Account	Dept	Amount
FUND 101 - GENERAL FUND								
08/04/2016	GENS	64393	REFUND - PARK SOCCER	ALLIE, PAUL	PARK INCOME REFUND ALLIE SOCCER FIELD	671-653	000	25.00
08/11/2016	GENS	64448	LAW SUIT DISTRIB	KLEINHEKSEL, KENNETH	REIMB/DIST KLEINHEKSEL (ING) SETTLEMENT	671-683	000	50.00
Department: 101 TOWNSHIP BOARD								75.00
08/25/2016	GENS	64508*#	9769625490	VERIZON WIRELESS	TRUSTEE CELL PHONES TABLETS	924-100	101	64.13
Department: 171 SUPERVISOR/MANAGER								64.13
08/04/2016	GENS	64395	MILG 7/9-22 & CELL	ROBERT S BEAHAN	SUP/MGR/DEPT MILEAGE BEAHAN 54 MILES	860-000	171	29.16
08/04/2016	GENS	64395	MILG 7/9-22 & CELL	ROBERT S BEAHAN	SUP/MGR/DEPT MILEAGE BEAHAN PARKING	860-000	171	6.00
08/04/2016	GENS	64395	MILG 7/9-22 & CELL	ROBERT S BEAHAN	MANAGER CELL PHONE BEAHAN ALLOWANCE	925-000	171	50.00
CHECK GENS 64395 TOTAL FOR FUND 101:								85.16
08/11/2016	GENS	64459*#	9769437873	VERIZON WIRELESS	MANAGERS CELL PHONE	925-000	171	62.96
08/25/2016	GENS	64474*#	7/19 & 8/03 PARKING	FIRST BANKCARD	SUP/MGR/DEPT MILEAGE SWAYZE PARKING 7/19	860-000	171	12.00
08/25/2016	GENS	64474	7/19 & 8/03 PARKING	FIRST BANKCARD	SUP/MGR/DEPT MILEAGE SWAYZE OARJUBG 8/03	860-000	171	8.00
CHECK GENS 64474 TOTAL FOR FUND 101:								20.00
08/25/2016	GENS	64508*#	9769625490	VERIZON WIRELESS	MANAGERS CELL PHONE TABLETS	925-000	171	32.07
Department: 215 CLERK								200.19
08/04/2016	GENS	64396	MILG 7/1-21 & CELL	BELL, CLEM	CLERK MILEAGE BELL 135 MILES	860-000	215	72.90
08/04/2016	GENS	64396	MILG 7/1-21 & CELL	BELL, CLEM	CLERK CELL PHONE BELL ALLOWANCE	925-000	215	50.00
CHECK GENS 64396 TOTAL FOR FUND 101:								122.90
08/25/2016	GENS	64508*#	9769625490	VERIZON WIRELESS	CLERK CELL PHONE TABLETS	925-000	215	32.07
Department: 253 TREASURER								154.97
08/25/2016	GENS	64508*#	9769625490	VERIZON WIRELESS	TREASURER'S CELL PHONES TABLETS	924-100	253	16.03
Department: 257 ASSESSING								16.03
08/04/2016	GENS	64394	293684	APEX SOFTWARE	MAINT. RENEWAL DRAWING PROGRAM SOFTWARE	939-000	257	705.00
08/04/2016	GENS	64406	MILG 4/13-7/28 & MMA	GENTER, JENNIFER	EDUCATION GENTER MMA MTG	724-000	257	74.70
08/04/2016	GENS	64406	MILG 4/13-7/28 & MMA	GENTER, JENNIFER	ASSESSING MILEAGE 157 MILES	860-000	257	84.78
CHECK GENS 64406 TOTAL FOR FUND 101:								159.48
08/04/2016	GENS	64411	MILG 7/6-7/29	HOLZHEI, SHAWN	ED- HOLZHEI DAMAGE ASSESSMENT-STANTON	724-000	257	61.56
08/04/2016	GENS	64411	MILG 7/6-7/29	HOLZHEI, SHAWN	ASSESSING MILEAGE HOLZHEI 128 MILES	860-000	257	69.12
CHECK GENS 64411 TOTAL FOR FUND 101:								130.68
08/04/2016	GENS	64417	MILG 7/7-7/22	ROGER MC CARTY	ASSESSING MILEAGE MCCARTY 94 MILES	860-000	257	50.76
08/25/2016	GENS	64508*#	9769625490	VERIZON WIRELESS	CELL PHONES/DATA TABLETS	924-100	257	16.03
Department: 262 ELECTIONS								1,061.95

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08/04/2016	GENS	64403	33324	ELECTION SOURCE	TABLE TOP VOTING BOOTHS	756-000	262	1,110.00
08/04/2016	GENS	64426#	499949-0	SUPPLYGEEKS.BIZ	ELECTION SUPPLIES DIVIDERS	756-000	262	11.61
08/11/2016	GENS	3461(A)	977612	ELECTION SYSTEMS & SOFTWARE INC	ELECTION MISC EXP AUTOMARK INK CARTRIDGE	788-000	262	158.20
08/11/2016	GENS	64452#	1000015084 7/2016	MLIVE MEDIA GROUP	ELECTION MISC EXPENSES ACCURACY TEST ADV	788-000	262	78.75
08/25/2016	GENS	64474*#	90550353	FIRST BANKCARD	ELECTION MISC EXP- MOVING VOTING EQUIP	788-000	262	127.76
08/25/2016	GENS	64474	102	FIRST BANKCARD	ELECTION MISC EXP WORKERS MEALS	788-000	262	8.99
08/25/2016	GENS	64474	568991	FIRST BANKCARD	ELECTION MISC EXPENSES WORKERS MEALS	788-000	262	40.00
08/25/2016	GENS	64474	573566	FIRST BANKCARD	ELECTION MISC EXPENSES MEALS	788-000	262	64.00
08/25/2016	GENS	64474	33181152	FIRST BANKCARD	ELECTION MISC EXPENSES MEALS	788-000	262	13.68
08/25/2016	GENS	64474	4018	FIRST BANKCARD	ELECTION MISC EXPENSES MEALS	788-000	262	160.27
08/25/2016	GENS	64474	2773	FIRST BANKCARD	ELECTION MISC EXPENSES MEALS 8/2	788-000	262	537.12
					CHECK GENS 64474 TOTAL FOR FUND 101:			951.82
					Total for department 262:			2,310.38
Department: 265 BUILDING AND GROUNDS								
08/04/2016	GENS	3444(A)*#	JULY 2016 CONSUMER	CONSUMERS ENERGY	100000285161 2865 THORNHILLS AVE JUL	921-000	265	2,040.10
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100012762959 2990 BUTTRICK AVE SE	921-000	265	305.15
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100012052419 6569 THORNBROOK ST SE	921-000	265	23.41
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	103019008525 2800 THORNAPPLE RIV DR	921-000	265	7.98
					CHECK GENS 3444(A) TOTAL FOR FUND 101:			2,376.64
08/04/2016	GENS	3448(A)	20148811	IT RIGHT	OFFICE EQUIP/COMPUTER WEB ACCESS CERTIF	932-000	265	99.50
08/04/2016	GENS	3453(A)*#	CLIP42085	THORNAPPLE RIVER NURSERY, INC.	MAIN OFFICE WEED & FEED	931-000	265	95.00
08/04/2016	GENS	3453(A)	CLIP42071	THORNAPPLE RIVER NURSERY, INC.	B&G WEED & FEE APPL# 3	931-000	265	53.00
					CHECK GENS 3453(A) TOTAL FOR FUND 101:			148.00
08/04/2016	GENS	64399*#	01720517386011 8/16	COMCAST	COMPLEX PHONES INTERNET AUG	924-000	265	221.47
08/04/2016	GENS	64402*#	457268600022 7/2016	DTE ENERGY	COMPLEX HEATING JULY	923-000	265	62.81
08/04/2016	GENS	64402	457268600048 7/2016	DTE ENERGY	COMPLEX HEATING B&G JULY	923-000	265	17.43
08/04/2016	GENS	64402	457268600014 7/16	DTE ENERGY	COMPLEX HEATING 2800 THORNAPPLE RIVER DR	923-000	265	36.80
					CHECK GENS 64402 TOTAL FOR FUND 101:			117.04
08/04/2016	GENS	64422*#	0240-006233212	REPUBLIC SERVICES	COMPLEX MAINTENANCE RECYCLE AUG	931-000	265	531.81
08/04/2016	GENS	64422	0240-006233212	REPUBLIC SERVICES	COMPLEX MAINTENANCE B&G RECYCLE AUG	931-000	265	63.99
					CHECK GENS 64422 TOTAL FOR FUND 101:			595.80
08/11/2016	GENS	3460(A)*#	82097	ENVIRO-CLEAN	CLEANING TOWNSHIP HALL JULY	802-200	265	462.00
08/11/2016	GENS	3464(A)	280628	NAPA AUTO PARTS	BLDG & GRDS VEHICLE MAINT OIL FILTER	863-000	265	59.96
08/11/2016	GENS	3464(A)	283235	NAPA AUTO PARTS	BLDG & GRDS VEHICLE MAINT BRAKE PADS 201	863-000	265	130.99
					CHECK GENS 3464(A) TOTAL FOR FUND 101:			190.95
08/11/2016	GENS	3465(A)*#	195001	KINGSLAND'S ACE HARDWARE	BLDG & GRDS VEHICLE MAINT-TOOL SET	863-000	265	105.38
08/11/2016	GENS	3465(A)	195025	KINGSLAND'S ACE HARDWARE	BLDG & GRDS VEHICLE MAINT- CABLE	863-000	265	37.60
08/11/2016	GENS	3465(A)	195082	KINGSLAND'S ACE HARDWARE	BLDG & GRDS VEHICLE MAINTENANCE HOSE	863-000	265	34.99
08/11/2016	GENS	3465(A)	195129	KINGSLAND'S ACE HARDWARE	BLDG & GRDS VEHICLE MAINTENANCE SCREWS	863-000	265	16.53
08/11/2016	GENS	3465(A)	195237	KINGSLAND'S ACE HARDWARE	COMPLEX MAINTENANCE CIRCULAR SAW	931-000	265	116.99
08/11/2016	GENS	3465(A)	195329	KINGSLAND'S ACE HARDWARE	COMPLEX MAINT TOGGLE SWITCH & SPLICER	931-000	265	9.43
					CHECK GENS 3465(A) TOTAL FOR FUND 101:			320.92
08/11/2016	GENS	3476(A)*#	46380077	WEX BANK	BLDG & GRDS VEHICLE FUEL JULY	864-000	265	1,482.21

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08/11/2016	GENS	64440*#	301-02736 7/2016	CINTAS CORP #301	2016 RUG CLEANING SERVICE COMPLEX/BLDG J	931-000	265	46.20
08/11/2016	GENS	64440	301-02736 7/2016	CINTAS CORP #301	2016 RUG CLEANING SERVICE BLDG JULY	931-000	265	51.72
					CHECK GENS 64440 TOTAL FOR FUND 101:			97.92
08/11/2016	GENS	64445*#	7031179	THE HOME DEPOT CREDIT SERVICES	BLDG & GRDS VEHICLE MAINT HAND CLEANER	863-000	265	16.41
08/11/2016	GENS	64445	5013388	THE HOME DEPOT CREDIT SERVICES	BLDG & GRDS VEHICLE FUEL SUPPLIES	864-000	265	27.99
08/11/2016	GENS	64445	W508151173	THE HOME DEPOT CREDIT SERVICES	COMPLEX MAINT ICE MAKER FOR ADM FRIG	931-000	265	46.37
					CHECK GENS 64445 TOTAL FOR FUND 101:			90.77
08/11/2016	GENS	64459*#	9769437873	VERIZON WIRELESS	BLDG AND GROUNDS CELL PHONES	924-100	265	132.43
08/25/2016	GENS	3483(A)*#	194479	QUALITY AIR	MONTHLY MAINTENANCE- COMPLEX AUG-SEPT	931-000	265	157.54
08/25/2016	GENS	3483(A)	194479	QUALITY AIR	MONTHLY MAINTENANCE- B&G AUG-SEPT	931-000	265	50.97
08/25/2016	GENS	3483(A)	194479	QUALITY AIR	MONTHLY MAINTENANCE- BUILDING AUG-SEPT	931-000	265	78.78
					CHECK GENS 3483(A) TOTAL FOR FUND 101:			287.29
08/25/2016	GENS	64462	6169570847 08/2016	AT&T	COMPLEX PHONES FINAL BILLING	924-000	265	20.17
08/25/2016	GENS	64470*#	45311039	COMCAST	COMPLEX PHONES B&G	924-000	265	28.51
08/25/2016	GENS	64470	45311039	COMCAST	COMPLEX PHONES	924-000	265	149.56
					CHECK GENS 64470 TOTAL FOR FUND 101:			178.07
08/25/2016	GENS	64474*#	1025096	FIRST BANKCARD	BLDG & GRDS VEHICLE FUEL	864-000	265	45.49
08/25/2016	GENS	64474	130429	FIRST BANKCARD	BLDG & GRDS VEHICLE FUEL	864-000	265	50.00
08/25/2016	GENS	64474	073517	FIRST BANKCARD	BLDG & GRDS VEHICLE FUEL	864-000	265	57.00
08/25/2016	GENS	64474	386496	FIRST BANKCARD	BLDG & GRDS VEHICLE FUEL	864-000	265	49.35
08/25/2016	GENS	64474	7/27/2016 CR	FIRST BANKCARD	BLDG & GRDS VEHICLE FUEL CR ON 7/27 CHG	864-000	265	(1.62)
08/25/2016	GENS	64474	7/14 B&G	FIRST BANKCARD	COMPLEX MAINTENANCE 7/14 B&G PURCHASE	931-000	265	239.47
					CHECK GENS 64474 TOTAL FOR FUND 101:			439.69
08/25/2016	GENS	64476*#	WS2042252 APR-JUL	GRAND RAPIDS CITY TREASURER	COMPLEX WATER-SEWER APRIL-JULY	927-000	265	2,896.60
08/25/2016	GENS	64494*#	59648660	PAETEC	COMPLEX PHONES ADMIN	924-000	265	166.35
08/25/2016	GENS	64494	59648660	PAETEC	COMPLEX PHONES B&G	924-000	265	31.60
					CHECK GENS 64494 TOTAL FOR FUND 101:			197.95
08/25/2016	GENS	64502*#	20877	SUPERIOR PEST CONTROL INC	PEST CONTROL - B&G AUG	931-000	265	16.00
08/25/2016	GENS	64502	20878	SUPERIOR PEST CONTROL INC	PEST CONTROL - TWP HALL AUG	931-000	265	16.00
					CHECK GENS 64502 TOTAL FOR FUND 101:			32.00
08/25/2016	GENS	64508*#	9769625490	VERIZON WIRELESS	BLDG AND GROUNDS CELL PHONES TABLETS	924-100	265	16.03
					Total for department 265:			10,403.45
Department: 276 CEMETERY								
08/04/2016	GENS	3444(A)*#	JULY 2016 CONSUMER	CONSUMERS ENERGY	100012957591 7200 30TH ST SE JULY	921-000	276	27.50
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100012548051 5601 WHITNEYVILLE AVE	921-000	276	26.95
					CHECK GENS 3444(A) TOTAL FOR FUND 101:			54.45
					Total for department 276:			54.45
Department: 295 ADMINISTRATIVE								
08/02/2016	GENS	64392	POSTAGE 8/2/2016	US POSTMASTER	POSTAGE POSTAGE FOR RESIDENT LETTERS	730-000	295	1,353.97
08/04/2016	GENS	64405	C0021901	GENERAL CODE	ECODE 360 ANNUAL MAINTENANCE	939-000	295	995.00
08/04/2016	GENS	64407	GAAFR REVIEW 2016	GFOA	MEMBERSHIP AND DUES GAAFR REVIEW	723-000	295	50.00

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08/04/2016	GENS	64407	NOTICE 0159132	GFOA	MEMBERSHIP AND DUES PINDER GFOA RENEWAL	723-000	295	190.00
08/04/2016	GENS	64407	GAAP 2016	GFOA	EDUCATION PINDER 2016 GAAP UPDATES	724-000	295	135.00
					CHECK GENS 64407 TOTAL FOR FUND 101:			375.00
08/04/2016	GENS	64409	SENIOR PICNIC 8/9	TOM HAGEN	SENIOR CITIZENS PICNIC 8/9 ENTERTAINMENT	882-000	295	175.00
08/04/2016	GENS	64418	MGFOA 2016	MGFOA	MEMBERSHIP AND DUES PINDER- MGFOA	723-000	295	125.00
08/04/2016	GENS	64426#	500120-0	SUPPLYGEEKS.BIZ	GENERAL FUND OFFICE SUPPLIES	727-000	295	45.96
08/04/2016	GENS	64426	500212-0	SUPPLYGEEKS.BIZ	GENERAL FUND OFFICE SUPPLIES	727-000	295	135.95
					CHECK GENS 64426 TOTAL FOR FUND 101:			181.91
08/04/2016	GENS	64431	24003	YANKOVICH, KOREY	LEGAL FEES SMALL CLAIMS PALETTE SALON	826-000	295	59.49
08/08/2016	GENS	64432	2016 SENIOR LUNCHEON	CAROLE'S CATERING	SENIOR CITIZENS 2016	882-000	295	1,380.00
08/11/2016	GENS	3462(A)	423489	FIRST CHOICE COFFEE SERVICE	COFFEE SERVICE FOR TWP. HALL	787-000	295	100.92
08/11/2016	GENS	3463(A)*#	355369	FISHBECK THOMPSON CARR & HUBEI ENGINEERING COSTS	SITE PLAN	821-000	295	2,739.90
08/11/2016	GENS	3463(A)	355370	FISHBECK THOMPSON CARR & HUBEI ENGINEERING COSTS	REC PARK IMP	821-000	295	477.00
					CHECK GENS 3463(A) TOTAL FOR FUND 101:			3,216.90
08/11/2016	GENS	3465(A)*#	194971	KINGSLAND'S ACE HARDWARE	FOURTH OF JULY LEAF BLOWER RENTAL	881-000	295	158.90
08/11/2016	GENS	3465(A)	194977	KINGSLAND'S ACE HARDWARE	FOURTH OF JULY CREDIT ON 194971	881-000	295	(50.00)
					CHECK GENS 3465(A) TOTAL FOR FUND 101:			108.90
08/11/2016	GENS	64441	015084	CAPITAL ONE COMMERCIAL	BREAKROOM SUPPLIES	787-000	295	247.39
08/11/2016	GENS	64445*#	0251687	THE HOME DEPOT CREDIT SERVICES	FOURTH OF JULY CAUTION TAPE	881-000	295	99.64
08/11/2016	GENS	64447	16071400064	KENT COUNTY SHERIFF'S DEPT	8 DEPUTIES FOR PARADE AND CELEBRATION	881-000	295	3,900.00
08/11/2016	GENS	64452#	1000015084 7/2016	MLIVE MEDIA GROUP	PRINTING/PUBLISHING IFT ASSESS ADV	900-000	295	567.00
08/11/2016	GENS	64453	282255	PRINTLINK	OFFICE SUPPLIES ENVELOPES	727-000	295	162.50
08/11/2016	GENS	64455*#	500366-0	SUPPLYGEEKS.BIZ	GENERAL FUND SUPPLIES	727-000	295	18.97
08/25/2016	GENS	3478(A)*#	355372	FISHBECK THOMPSON CARR & HUBEI ENGINEERING COSTS	30TH CEMETERY STUDY	821-000	295	1,023.00
08/25/2016	GENS	3478(A)	355376	FISHBECK THOMPSON CARR & HUBEI ENGINEERING COSTS	MEADOWBROOKE DEVELOPER	821-000	295	247.50
					CHECK GENS 3478(A) TOTAL FOR FUND 101:			1,270.50
08/25/2016	GENS	3482(A)	52134	MUNICIPAL WEB SERVICES	WEBSITE HOSTING	815-000	295	130.00
08/25/2016	GENS	64474*#	012968	FIRST BANKCARD	OTHER EXPENSES SANITIZER	787-000	295	12.72
08/25/2016	GENS	64480	2018	KENT COUNTY - HEALTH DEPT	OTHER EXPENSES- WATER SAMPLE CONTAINERS	787-000	295	17.54
08/25/2016	GENS	64488	PINDER, MILDRED F201	MGFOA	EDUCATION PINDER 2016 MGFOA FALL CONF	724-000	295	290.00
08/25/2016	GENS	64497	40899	PLAN TAG INC	OFFICE SUPPLIES PLAN TAGS	727-000	295	68.90

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08/25/2016	GENS	64500	PINDER, MILDRED	SHANTY CREEK RESORTS	EDUCATION PINDER - MGFOA CONF LODGING	724-000	295	367.84
08/25/2016	GENS	64503*#	501134-0	SUPPLYGEEKS.BIZ	GENERAL FUND OFFICE SUPPLIES	727-000	295	42.17
08/25/2016	GENS	64503	501530-0	SUPPLYGEEKS.BIZ	GENERAL FUND SUPPLIES	727-000	295	45.85
08/25/2016	GENS	64503	500854-0	SUPPLYGEEKS.BIZ	GENERAL FUND SUPPLIES	727-000	295	159.01
08/25/2016	GENS	64503	501712-0	SUPPLYGEEKS.BIZ	GENERAL FUND SUPPLIES	727-000	295	111.95
				CHECK GENS 64503 TOTAL FOR FUND 101:				358.98
08/25/2016	GENS	64507	980397	VARNUM	LEGAL FEES ZONING JULY	826-000	295	600.60
08/25/2016	GENS	64507	3444980396	VARNUM	LEGAL FEES GENERAL JUNE - JULY	826-000	295	1,947.40
08/25/2016	GENS	64507	980701	VARNUM	LEGAL FEES TALAMORE	826-000	295	1,365.00
08/25/2016	GENS	64507	980393	VARNUM	LEGAL FEES- KRAUSE	826-000	295	54.60
				CHECK GENS 64507 TOTAL FOR FUND 101:				3,967.60
08/25/2016	GENS	64508*#	9769625490	VERIZON WIRELESS	CELL PHONES/DATA TABLETS	924-100	295	16.03
08/25/2016	GENS	64510	136340	WESTERN AMERICAN MAILERS	PRINTING/PUBLISHING RESIDENT LETTERS	900-000	295	1,432.28
				Total for department 295:				20,999.98
Department: 445 DRAIN								
08/04/2016	GENS	3445(A)	353033	FISHBECK THOMPSON CARR & HUBEI	STORM WATER GRANT MATCH/KCDC JUNE	818-000	445	249.90
08/04/2016	GENS	3445(A)	353033	FISHBECK THOMPSON CARR & HUBEI	STORM WATER/SAW GRANT CONTR SERVICE JUNE	818-010	445	2,249.10
08/04/2016	GENS	3445(A)	354624	FISHBECK THOMPSON CARR & HUBEI	DRAIN ENGINEERING CASC/SCHOOLHOUSE CREEK	821-000	445	1,550.30
				CHECK GENS 3445(A) TOTAL FOR FUND 101:				4,049.30
08/25/2016	GENS	3478(A)*#	354625	FISHBECK THOMPSON CARR & HUBEI	DRAIN ENGINEERING CASC/SENTINNEL POINTE	821-000	445	3,429.50
08/25/2016	GENS	3478(A)	355376	FISHBECK THOMPSON CARR & HUBEI	DRAIN ENGINEERING STORMWATER ORDINANCE	821-000	445	2,640.00
				CHECK GENS 3478(A) TOTAL FOR FUND 101:				6,069.50
				Total for department 445:				10,118.80
Department: 446 ROADS								
08/25/2016	GENS	64481#	27480	KENT COUNTY ROAD COMMISSION	ROAD OVERLAYS - SURFACE TREATMENTS	821-000	446	5,230.13
08/25/2016	GENS	64481	27476	KENT COUNTY ROAD COMMISSION	ROAD OVERLAYS KILMER/GLADYS DR	821-000	446	1,873.18
				CHECK GENS 64481 TOTAL FOR FUND 101:				7,103.31
				Total for department 446:				7,103.31
Department: 448 STREET LIGHTS								
08/04/2016	GENS	3444(A)*#	JULY 2016 CONSUMER	CONSUMERS ENERGY	100011965082 2870 JACK SMITH AVE SE J	926-000	448	103.11
08/11/2016	GENS	64439	100000373306 7/2016	CONSUMERS ENERGY	STREETLIGHTING JULY	926-000	448	8,532.44
08/25/2016	GENS	64481#	409944	KENT COUNTY ROAD COMMISSION	TRAFFIC SIGNALS JULY	927-100	448	9.32
				Total for department 448:				8,644.87
Department: 652 TRANSPORTATION								
08/25/2016	GENS	64479*#	087318A	INTERURBAN TRANSIT PARTNERSHIP	LINEHAUL SERVICE - 36TH STREET AUG	861-000	652	2,386.71
08/25/2016	GENS	64479	087318	INTERURBAN TRANSIT PARTNERSHIP	28TH STREET LINEHAUL SERVICE AUG	861-100	652	23,975.70
				CHECK GENS 64479 TOTAL FOR FUND 101:				26,362.41
				Total for department 652:				26,362.41
Department: 721 PLANNING								
08/04/2016	GENS	64404	MILG 7/6-7/29	FAST, STEPHANIE	PLANNING MILEAGE- FAST 161 MILES	860-000	721	86.94
08/04/2016	GENS	64421	MILG 7/1-7/28	STEVEN A PETERSON	COMM DEV MILEAGE PETERSON 110 MILES	860-000	721	59.40

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08/04/2016	GENS	64424	5171356	SNELLING STAFFING SERVICES	MINUTES FOR PC, DDA, ZBA	787-000	721	65.10
08/11/2016	GENS	64452#	1000015084 7/2016	MLIVE MEDIA GROUP	PRINTING & PUBLISHING PLANNING ADV	900-000	721	297.60
08/11/2016	GENS	64459*#	9769437873	VERIZON WIRELESS	COMM DEV CELL/DATA	925-000	721	101.28
08/25/2016	GENS	3478(A)*#	355375	FISHBECK THOMPSON CARR & HUBEI	SPECIAL PROJECTS CASC/GATEWAY SIGNS	967-000	721	253.50
08/25/2016	GENS	64474*#	4/4008	FIRST BANKCARD	COMM DEV EXPENSE ACCOUNT PLANING MTG	862-500	721	56.79
08/25/2016	GENS	64483	PETERSON,STEVE 10/26	MICHIGAN ASSOCIATION OF	EDUCATION PETERSON MI APA CONF 10/26-28	724-000	721	375.00
08/25/2016	GENS	64484	FAST,STEPHANIE	MICHIGAN ASSOCIATION OF	EDUCATION FAST MI APA CONF 10/26	724-000	721	225.00
08/25/2016	GENS	64485	BERRA,LOU	MICHIGAN ASSOCIATION OF	EDUCATION BERRA MI APA CONF 10/26-28	724-000	721	545.00
08/25/2016	GENS	64508*#	9769625490	VERIZON WIRELESS	COMM DEV CELL/DATA TABLETS	925-000	721	32.07
Department: 756 PARKS								2,097.68
Total for department 721:								
08/04/2016	GENS	3444(A)*#	JULY 2016 CONSUMER	CONSUMERS ENERGY	100012592265 2900 THORNAPPLE RIV DR	921-000	756	266.47
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100014570673 3804 THORNAPPLE RIV DR	921-000	756	255.55
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100014570889 3820 THORNAPPLE RIV DR	921-000	756	50.23
CHECK GENS 3444(A) TOTAL FOR FUND 101:								572.25
08/04/2016	GENS	3453(A)*#	CLIP42259	THORNAPPLE RIVER NURSERY, INC.	TASSELL PARK WEED & FEED APPL# 3	935-000	756	200.00
08/04/2016	GENS	64422*#	0240-006233212	REPUBLIC SERVICES	PARK MAINTENANCE RECYCLE AUG	935-000	756	542.33
08/11/2016	GENS	3465(A)*#	195052	KINGSLAND'S ACE HARDWARE	PARK MAINTENANCE KEY	935-000	756	10.30
08/11/2016	GENS	3465(A)	195235	KINGSLAND'S ACE HARDWARE	PARK MAINTENANCE SUPPLIES	935-000	756	28.29
08/11/2016	GENS	3465(A)	195168	KINGSLAND'S ACE HARDWARE	PARK MAINTENANCE PROF RESPIRATOR	935-000	756	38.69
CHECK GENS 3465(A) TOTAL FOR FUND 101:								77.28
08/11/2016	GENS	64436	54234	CANFIELD PLUMBING & HEATING	PARK MAINT 3810 THORNAPPLE TOILET REPAIR	935-000	756	79.00
08/11/2016	GENS	64436	54251	CANFIELD PLUMBING & HEATING	PUBLIC WATER SUPPLY	935-000	756	875.00
CHECK GENS 64436 TOTAL FOR FUND 101:								954.00
08/11/2016	GENS	64445*#	4011047	THE HOME DEPOT CREDIT SERVICES	3'X100' SILT FNC W/STK	935-000	756	59.96
08/11/2016	GENS	64445	4011047	THE HOME DEPOT CREDIT SERVICES	1X6 8FT TRIM	935-000	756	33.36
08/11/2016	GENS	64445	4011047	THE HOME DEPOT CREDIT SERVICES	1X4 8FT TRIM	935-000	756	22.96
08/11/2016	GENS	64445	6010683	THE HOME DEPOT CREDIT SERVICES	4X8 SIDING	935-000	756	163.98
08/11/2016	GENS	64445	6010683	THE HOME DEPOT CREDIT SERVICES	DECKMATE SCREW 1-5/8IN	935-000	756	6.93
08/11/2016	GENS	64445	6010683	THE HOME DEPOT CREDIT SERVICES	SOLID HOUSE & FENCE 11 WHT	935-000	756	46.52
08/11/2016	GENS	64445	6010683	THE HOME DEPOT CREDIT SERVICES	4.0 FLAT CUT OIL BRUSH	935-000	756	10.64
08/11/2016	GENS	64445	6010683	THE HOME DEPOT CREDIT SERVICES	3.0 ANGLE SASH OIL BRUSH	935-000	756	9.67
08/11/2016	GENS	64445	6010683	THE HOME DEPOT CREDIT SERVICES	1X4 8FT TRIM	935-000	756	34.44
08/11/2016	GENS	64445	6010683	THE HOME DEPOT CREDIT SERVICES	1X6 8FT TRIM	935-000	756	33.36
08/11/2016	GENS	64445	9023145	THE HOME DEPOT CREDIT SERVICES	SEVERAL ITEMS	935-000	756	404.76
CHECK GENS 64445 TOTAL FOR FUND 101:								826.58
08/11/2016	GENS	64446	EH073116-3774	KENT COUNTY - HEALTH DEPT	PARK MAINTENANCE WATER TESTING	935-000	756	16.00
08/25/2016	GENS	3480(A)	95704	KERKSTRA PORTABLE RESTROOM SEF	PORTABLE TOILETS FOR PEACE AND MCGRAW PA	935-000	756	110.00

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08/25/2016	GENS	3481(A)	195227	KINGSLAND'S ACE HARDWARE	PARK MAINTENANCE SUPPLIES	935-000	756	60.04
08/25/2016	GENS	3483(A)*#	194479	QUALITY AIR	MONTHLY MAINTENANCE- PARKS AUG-SEPT	935-000	756	13.90
08/25/2016	GENS	64470*#	45311039	COMCAST	PARK PHONES	924-000	756	21.36
08/25/2016	GENS	64494*#	59648660	PAETEC	PARK PHONES	924-000	756	23.70
08/25/2016	GENS	64512	62229	X-CEL CHEMICAL SPECIALTIES CO.	DOME TOP COVERS	935-000	756	760.00
Department: 803 HISTORICAL								
					Total for department 756:			4,177.44
08/04/2016	GENS	3444(A)*#	JULY 2016 CONSUMER	CONSUMERS ENERGY	100012592398 2839 THORNAPPLE RIV DR	921-000	803	44.94
08/04/2016	GENS	64402*#	457268600030 7/16	DTE ENERGY	MUSEUM - HEATING/UTILITY JULY	923-000	803	35.61
08/11/2016	GENS	64443*#	2695	FRUIT BASKET FLOWERLAND	ARTEMESIA PARFUM D'ETHIOPIA	961-000	803	24.00
08/11/2016	GENS	64443	2695	FRUIT BASKET FLOWERLAND	HEUCHERA BERRY SMOOTHIE	961-000	803	125.94
08/11/2016	GENS	64443	2695	FRUIT BASKET FLOWERLAND	OREGANO	961-000	803	31.32
08/11/2016	GENS	64443	2695	FRUIT BASKET FLOWERLAND	BASIL	961-000	803	25.00
08/11/2016	GENS	64443	2695	FRUIT BASKET FLOWERLAND	SPIREA	961-000	803	119.94
08/11/2016	GENS	64443	2695	FRUIT BASKET FLOWERLAND	POTTING SOIL	961-000	803	49.90
08/11/2016	GENS	64443	2696/3	FRUIT BASKET FLOWERLAND	BASIL	961-000	803	25.00
08/11/2016	GENS	64443	2696/3	FRUIT BASKET FLOWERLAND	SPIREA MAGIC CARPET	961-000	803	79.96
08/11/2016	GENS	64443	2696/3	FRUIT BASKET FLOWERLAND	COREOPSIS RED SATIN	961-000	803	59.96
08/11/2016	GENS	64443	2684/3	FRUIT BASKET FLOWERLAND	PERENNIA	961-000	803	44.85
08/11/2016	GENS	64443	2684/3	FRUIT BASKET FLOWERLAND	HEDERA HELIX	961-000	803	39.99
08/11/2016	GENS	64443	2684/3	FRUIT BASKET FLOWERLAND	TIARA TOP SOIL	961-000	803	24.90
08/11/2016	GENS	64443	2684/3	FRUIT BASKET FLOWERLAND	POTTING SOIL	961-000	803	99.80
CHECK GENS 64443 TOTAL FOR FUND 101:								750.56
08/25/2016	GENS	3483(A)*#	194479	QUALITY AIR	MONTHLY MAINTENANCE- MUSEUM AUG-SEPT	961-000	803	27.81
08/25/2016	GENS	64502*#	20876	SUPERIOR PEST CONTROL INC	PEST CONTROL - MUSEUM AUG	961-000	803	45.00
Department: 850 BENEFITS/INSURANCE								
					Total for department 803:			903.92
08/25/2016	GENS	64472*	RI0001198971	DELTA DENTAL	DENTAL INSURANCE BENEFITS SEPT	721-000	850	1,093.76
08/25/2016	GENS	64472	RI0001198971	DELTA DENTAL	MH CLAIMS TAX - DENTAL SEPT	721-200	850	6.67
CHECK GENS 64472 TOTAL FOR FUND 101:								1,100.43
08/25/2016	GENS	64473*	162080173	FIDELITY SECURITY LIFE INS	VISION INSURANCE BENEFITS AUG	718-000	850	159.59
08/25/2016	GENS	64498*	161960063875	PRIORITY HEALTH	HEALTH INSURANCE BENEFITS AUG	719-000	850	11,352.88
08/25/2016	GENS	64498	162280000020	PRIORITY HEALTH	HEALTH INSURANCE BENEFITS SEPT	719-000	850	11,352.88
CHECK GENS 64498 TOTAL FOR FUND 101:								22,705.76
Department: 901 CAPITAL OUTLAY								
					Total for department 850:			23,965.78
08/04/2016	GENS	64413	RECORD FEE-2800 THRN	KENT COUNTY TREASURER	C.O - 3500 THORNAPL RIV DR RECORDING FEE	971-000	901	10.00
08/25/2016	GENS	3478(A)*#	355619	FISHBECK THOMPSON CARR & HUBEI	CAPITAL OUTLAY - LAND 3500 THORNAPPLE AQ	971-000	901	902.00
08/25/2016	GENS	64482	CASC GATEWAY SIGN	KORTMAN MASONRY INC	TOWNSHIP SIGN	974-000	901	19,450.00
CHECK GENS 64482 TOTAL FOR DEPARTMENT 901:								20,362.00

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Total for fund 101 GENERAL FUND								139,076.74
FUND 151 - CEMETERY TRUST FUND								
08/11/2016	GENS	3465(A)*#	195039	KINGSLAND'S ACE HARDWARE	MAINT & REPAIR/IMPROVEMENTS ROUNDUP	931-000	276	49.99
08/11/2016	GENS	64445*#	7014792	THE HOME DEPOT CREDIT SERVICES	MAINT & REPAIR/IMPROVEMENTS CONCRETE	931-000	276	37.35
08/25/2016	GENS	3489(A)	9422	THORNAPPLE RIVER NURSERY, INC.	MAINT & REPAIR/IMPROVEMENTS TOPSOIL	931-000	276	75.00
Total for department 276:								162.34
Total for fund 151 CEMETERY TRUST FUND								162.34
FUND 206 - FIRE FUND								
08/04/2016	GENS	3444(A)*#	JULY 2016 CONSUMER	CONSUMERS ENERGY	100012762959 2990 BUTTRICK AVE SE	921-002	336	610.33
08/04/2016	GENS	3446(A)	1621301	FUEL MANAGEMENT SYSTEM	FIRE FUELS	745-000	336	214.28
08/04/2016	GENS	3446(A)	1621301	FUEL MANAGEMENT SYSTEM	FIRE FUELS DISCOUNT	745-000	336	(8.75)
CHECK GENS 3446(A) TOTAL FOR FUND 206:								205.53
08/04/2016	GENS	3453(A)*#	CLIP42071	THORNAPPLE RIVER NURSERY, INC.	BUTTRICK FIRE STA. WEED & FEED APPL3	936-002	336	107.00
08/04/2016	GENS	64399*#	01720517386011 8/16	COMCAST	FIRE PHONES CABLE	924-000	336	119.75
08/04/2016	GENS	64399	01720575391010 8/16	COMCAST	FIRE PHONES/BUTTRICK XFINITY AUG	924-002	336	52.12
08/04/2016	GENS	64399	01720206159018 8/16	COMCAST	FIRE PHONES/BUTTRICK AUG	924-002	336	104.40
CHECK GENS 64399 TOTAL FOR FUND 206:								276.27
08/04/2016	GENS	64402*#	457268600048 7/2016	DTE ENERGY	FIRE HEATING/BUTTRICK JULY	923-002	336	34.88
08/04/2016	GENS	64415	AR148045	KRAFT BUSINESS SYSTEM	FIRE COPIER/LEASE/SHARP MX-M363N0 JULY	939-000	336	61.14
08/04/2016	GENS	64422*#	0240-006233212	REPUBLIC SERVICES	FIRE STATION MAINT/BUTTRICK RECYCLE AUG	936-002	336	127.98
08/04/2016	GENS	64428	28277102	VALLEY CITY LINEN INC	FIRE STATION MAINT-RUG & TOWEL CLEANING	936-000	336	39.95
08/04/2016	GENS	64428	28283076	VALLEY CITY LINEN INC	FIRE STATION MAINT-RUG & TOWEL CLEANING	936-000	336	39.95
08/04/2016	GENS	64428	28288224	VALLEY CITY LINEN INC	FIRE STATION MAINT-RUG & TOWEL CLEANING	936-000	336	39.95
08/04/2016	GENS	64428	28293419	VALLEY CITY LINEN INC	FIRE STATION MAINT-RUG & TOWEL CLEANING	936-000	336	39.95
CHECK GENS 64428 TOTAL FOR FUND 206:								159.80
08/04/2016	GENS	64430*#	5879790-00	W.W. WILLIAMS	GEN. MAINT. BUTTR. FIRE TEST	936-002	336	114.00
08/04/2016	GENS	64430	5879790-00	W.W. WILLIAMS	GEN. MAINT. BUTTR. FIRE FLTR LUB	936-002	336	4.85
08/04/2016	GENS	64430	5879790-00	W.W. WILLIAMS	GEN. MAINT. BUTTR. FIRE SAE 15W40	936-002	336	26.34
08/04/2016	GENS	64430	5879790-00	W.W. WILLIAMS	GEN. MAINT. BUTTR. FIRE ANALYSIS	936-002	336	15.77
08/04/2016	GENS	64430	5879790-00	W.W. WILLIAMS	LABOR	936-002	336	644.04
CHECK GENS 64430 TOTAL FOR FUND 206:								805.00
08/11/2016	GENS	3458(A)	159183-2	5 ALARM	LARGE GLOVES	959-000	336	355.00
08/11/2016	GENS	3458(A)	159183-2	5 ALARM	SHIPPING ON INV 159183-2	959-000	336	12.92
CHECK GENS 3458(A) TOTAL FOR FUND 206:								367.92
08/11/2016	GENS	3465(A)*#	195112	KINGSLAND'S ACE HARDWARE	FIRE STATION MAINT PAINTING SUPPLIES	936-000	336	52.16
08/11/2016	GENS	3465(A)	195202	KINGSLAND'S ACE HARDWARE	FIRE STATION MAINT SMALL TOOLS	936-000	336	24.08
08/11/2016	GENS	3465(A)	195246	KINGSLAND'S ACE HARDWARE	FIRE STATION MAINT BOLTS	936-000	336	25.25
CHECK GENS 3465(A) TOTAL FOR FUND 206:								101.49

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08/11/2016	GENS	3476(A)*#	46380077	WEX BANK	FIRE FUELS JULY	745-000	336	721.12
08/11/2016	GENS	64440*#	301-02736 7/2016	CINTAS CORP #301	2016 RUG CLEANING SERVICE S.C.JULY	936-000	336	30.60
08/11/2016	GENS	64440	301-02736 7/2016	CINTAS CORP #301	2016 RUG CLEANING SERVICE FIRE JULY	936-000	336	95.72
					CHECK GENS 64440 TOTAL FOR FUND 206:			126.32
08/11/2016	GENS	64454	326194	STATE OF MICHIGAN	LICENSE RENEWAL FOR 6 APPARATUS	802-000	336	250.00
08/11/2016	GENS	64455*#	500366-0	SUPPLYGEEKS.BIZ	FIRE FUND	727-000	336	141.18
08/11/2016	GENS	64459*#	9769437873	VERIZON WIRELESS	FIRE PHONES	924-000	336	111.28
08/25/2016	GENS	3483(A)*#	194479	QUALITY AIR	MONTHLY MAINTENANCE- FIRE AUG-SEPT	936-000	336	139.08
08/25/2016	GENS	3483(A)	194479	QUALITY AIR	MONTHLY MAINTENANCE- FIRE BUTTRICK AUG-S	936-002	336	101.94
					CHECK GENS 3483(A) TOTAL FOR FUND 206:			241.02
08/25/2016	GENS	64460	16-43P	2 THE RESCUE	EMERGENCY DRIVING LAIBILITY AND STRATEGI	726-000	336	550.00
08/25/2016	GENS	64470*#	45311039	COMCAST	FIRE PHONES	924-000	336	56.97
08/25/2016	GENS	64470	45311039	COMCAST	FIRE PHONES/BUTTRICK	924-002	336	21.36
					CHECK GENS 64470 TOTAL FOR FUND 206:			78.33
08/25/2016	GENS	64474*#	8868C	FIRST BANKCARD	LINENS FOR STAFF	936-000	336	219.89
08/25/2016	GENS	64474	FCC0002766368	FIRST BANKCARD	FIRE RADIO MAINT FEDERAL LICENSE	937-000	336	100.00
					CHECK GENS 64474 TOTAL FOR FUND 206:			319.89
08/25/2016	GENS	64475	28079	FRONT LINE SERVICES INC.	FIRE EQUIPMENT MAINT LED MARKERS	938-000	336	74.95
08/25/2016	GENS	64486	106298	MARK'S BODY SHOP	FIRE EQUIP MAINT WHELEN STOPSN12 BULBS	938-000	336	49.90
08/25/2016	GENS	64493	563366	NYE UNIFORM COMPANY	FIRE UNIFORMS DRAKE	768-000	336	151.49
08/25/2016	GENS	64494*#	59648660	PAETEC	FIRE PHONES	924-000	336	63.25
08/25/2016	GENS	64494	59648660	PAETEC	FIRE PHONES/BUTTRICK	924-002	336	23.70
					CHECK GENS 64494 TOTAL FOR FUND 206:			86.95
08/25/2016	GENS	64502*#	20878	SUPERIOR PEST CONTROL INC	PEST CONTROL - STATION 1 AUG	936-000	336	32.00
08/25/2016	GENS	64502	20877	SUPERIOR PEST CONTROL INC	PEST CONTROL - STATION 2 AUG	936-002	336	32.00
					CHECK GENS 64502 TOTAL FOR FUND 206:			64.00
08/25/2016	GENS	64505	117446	TIME EMERGENCY EQUIPMENT	FIRE EQUIPMENT MAINT RIT BAG	938-000	336	192.00
08/25/2016	GENS	64508*#	9769625490	VERIZON WIRELESS	FIRE PHONES TABLETS	924-000	336	16.03
08/25/2016	GENS	64508	9769636588	VERIZON WIRELESS	FIRE PHONES MODEMS	924-000	336	118.60
					CHECK GENS 64508 TOTAL FOR FUND 206:			134.63
					Total for department 336:			6,150.40
Department: 850 BENEFITS/INSURANCE								
08/25/2016	GENS	64472*	R10001198971	DELTA DENTAL	DENTAL INSURANCE BENEFITS SEPT	721-000	850	1,834.30
08/25/2016	GENS	64472	R10001198971	DELTA DENTAL	MI CLAIMS TAX - DENTAL SEPT	721-200	850	11.19
					CHECK GENS 64472 TOTAL FOR FUND 206:			1,845.49
08/25/2016	GENS	64473*	162080173	FIDELITY SECURITY LIFE INS	VISION INSURANCE BENEFITS AUG	718-000	850	194.82

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08/25/2016	GENS	64498*	161960063875	PRIORITY HEALTH	HEALTH INSURANCE BENEFITS AUG	719-000	850	6,830.07
08/25/2016	GENS	64498	162280000020	PRIORITY HEALTH	HEALTH INSURANCE BENEFITS SEPT	719-000	850	10,872.72
					CHECK GENS 64498 TOTAL FOR FUND 206:			17,702.79
					Total for department 850:			19,743.10
Department: 901 CAPITAL OUTLAY								
08/25/2016	GENS	64492	MERCURY MOTOR BOAT	MURRAY LAKE MARINA INC	BOAT MOTOR AND EXTRA PROPELLER	980-000	901	3,025.00
					Total for department 901:			3,025.00
					Total for fund 206 FIRE FUND			28,918.50
FUND 208 - HAZMAT FUND								
08/11/2016	GENS	64434	35000	AGILE SAFETY	CALIBRATION GASES	958-000	344	544.47
08/11/2016	GENS	64435	04112460	ARGUS-HAZCO	DEMAND FLOW REGULATOR	958-000	344	250.00
					Total for department 344:			794.47
					Total for fund 208 HAZMAT FUND			794.47
FUND 209 - CCT OPEN SPACE FUND								
08/04/2016	GENS	3444(A)*#	JULY 2016 CONSUMER	CONSUMERS ENERGY	100061096465 6803 BURTON ST SE	921-000	751	22.59
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100041772151 6803 BURTON ST SE JULY	921-000	751	81.86
					CHECK GENS 3444(A) TOTAL FOR FUND 209:			104.45
08/25/2016	GENS	3483(A)*#	194479	QUALITY AIR	MONTHLY MAINTENANCE- BURTON PARK AUG-SEP	935-000	751	13.90
					Total for department 751:			118.35
					Total for fund 209 CCT OPEN SPACE			118.35
FUND 211 - DAM REPAIR FUND								
08/04/2016	GENS	64416	114776	LAWNS OF DISTINCTION	SHORE EROSION REPAIR - CASCADE DAM	980-000	901	9,238.00
08/25/2016	GENS	3478(A)*#	355376	FISHBECK THOMPSON CARR & HUBEI	EXPENSES/DAM MAJOR REPAIR EROSION TASSEL	980-000	901	495.00
					Total for department 901:			9,733.00
					Total for fund 211 DAM MAJOR REPAIR FUND			9,733.00
FUND 216 - PATHWAYS FUND								
08/11/2016	GENS	3463(A)*#	355371	FISHBECK THOMPSON CARR & HUBEI	ENGINEERING PATHWAY REPAIRS	821-100	758	1,553.00
08/11/2016	GENS	64445*#	5013391	THE HOME DEPOT CREDIT SERVICES	MAINT & REPAIR BLACKTOP PATCH	931-000	758	87.76
08/25/2016	GENS	64464	2013354	B & B TRUCK EQUIPMENT INC	MAINT & REPAIR BLADE BELT	931-000	758	66.95
					Total for department 758:			1,707.71
					Total for fund 216 PATHWAYS FUND			1,707.71
FUND 246 - IRF FUND								
08/04/2016	GENS	3447(A)	110596	KAMMINGA AND ROODOVOETS INC	TELEVISION SANITARY SEWER @ CASCADE & OL	821-000	295	700.00
08/04/2016	GENS	3447(A)	110596	KAMMINGA AND ROODOVOETS INC	TRAFFIC CONTROL	821-000	295	550.00
					CHECK GENS 3447(A) TOTAL FOR FUND 246:			1,250.00

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08/04/2016	GENS	64408	17000263	G R CITY TREASURER	ADMIN ENGINEERING COSTS OLD 28TH-THORNAP	821-000	295	632.50
08/25/2016	GENS	3478(A)*#	355376	FISHBECK THOMPSON CARR & HUBEI	ADMIN ENGINEERING COSTS 60TH UTILITIES	821-000	295	165.00
08/25/2016	GENS	3478(A)	355378	FISHBECK THOMPSON CARR & HUBEI	ADMIN ENGINEERING COSTS TRD UTILITY EXT	821-000	295	2,041.50
					CHECK GENS 3478(A) TOTAL FOR FUND 246:			2,206.50
					Total for department 295:			4,089.00
Department: 901 CAPITAL OUTLAY								
08/25/2016	GENS	3479(A)	110603	KAMMINGA AND ROODVOETS INC	BURTON/CASCADE PV PROJ GR WATERMAIN TEST	972-300	901	1,886.63
					Total for department 901:			1,886.63
					Total for fund 246 IRF			5,975.63
FUND 248 - DDA FUND								
08/04/2016	GENS	3444(A)*#	JULY 2016 CONSUMER	CONSUMERS ENERGY	100054379084 5196 28TH ST SE	921-000	170	150.92
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100054393572 5434 28TH ST SE	921-000	170	67.14
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100012213862 6658 28TH ST SE JULY	921-000	170	23.69
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100063460503 5770 FOREMOST DR SE	921-000	170	133.48
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100066874924 2990 LUCERNE DR SE	921-000	170	176.68
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100041059393 6282 28TH ST SE	921-000	170	101.08
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100041058650 6116 28TH ST SE JULY	921-000	170	74.02
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100041059278 5905 28TH ST SE JULY	921-000	170	79.70
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100041081355 5613 28TH ST SE JULY	921-000	170	71.43
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100012017115 6753 OLD 28TH ST JULY	921-000	170	158.02
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100012017305 6610 28TH ST SE JULY	921-000	170	147.66
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100011901541 6800 CASCADE RD SE JULY	921-000	170	246.71
08/04/2016	GENS	3444(A)	JULY 2016 CONSUMER	CONSUMERS ENERGY	100011901814 6811 CASCADE RD SE JULY	921-000	170	119.19
					CHECK GENS 3444(A) TOTAL FOR FUND 248:			1,549.72
08/04/2016	GENS	3453(A)*#	CLIP42027	THORNAPPLE RIVER NURSERY, INC.	28TH ST. WEED & FEED APPL# 3	931-000	170	55.00
08/04/2016	GENS	3453(A)	CLIP42214	THORNAPPLE RIVER NURSERY, INC.	OLD 28TH ST. WEED & FEED APPL# 3	931-000	170	156.00
					CHECK GENS 3453(A) TOTAL FOR FUND 248:			211.00
08/04/2016	GENS	64400	072816	MICHIGAN-CONNECT	METRO CRUISE WARMUP MARKETING	931-300	170	7,500.00
08/04/2016	GENS	64414	68079	KINGSLAND'S ACE HARDWARE	METRO CRUISE WARMUP TABLES/CHAIRS/TENTS	931-300	170	860.38
08/04/2016	GENS	64425	072016	STUDIO BINDI	METRO CRUISE WARMUP FLYER CHANGES	931-300	170	350.00
08/11/2016	GENS	3465(A)*#	195090	KINGSLAND'S ACE HARDWARE	MAINT & REPAIR/IMPROVEMENTS ROUNDUP	931-000	170	49.99
08/11/2016	GENS	3465(A)	195130	KINGSLAND'S ACE HARDWARE	MAINT & REP/IMPROV POTTING SOIL & FERT	931-000	170	122.32
					CHECK GENS 3465(A) TOTAL FOR FUND 248:			172.31
08/11/2016	GENS	64443*#	2687/3	FRUIT BASKET FLOWERLAND	FLOWER AND BEDDING PLANTS/LANDSCAPING	931-000	170	417.11
08/11/2016	GENS	64459*#	9769437873	VERIZON WIRELESS	CELL PHONES	924-100	170	50.05
08/25/2016	GENS	64461	14661	3DA DISPLAY	DDA REP & MAINT- METRO CR STAGE SIGNAGE	931-300	170	1,609.36
08/25/2016	GENS	64463	SOUL SYNDICATE	AURORA MANAGEMENT GROUP	DDA REPAIR & MAINT- METRO CRUISE BAND	931-300	170	700.00
08/25/2016	GENS	64474*#	567	FIRST BANKCARD	OTHER EXP COMM SPACE NEEDS MTG	787-000	170	18.87
08/25/2016	GENS	64476*#	WS2042969 JAN-JUL 16	GRAND RAPIDS CITY TREASURER	WATER-SEWER IRRIGATION	927-000	170	1,390.28

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08/25/2016	GENS	64479*#	087318	INTERURBAN TRANSIT PARTNERSHIP	28TH STREET LINEHAUL SERVICE AUG	861-100	170	7,991.90
08/25/2016	GENS	64490	STHE STARTING LINE	MILLER, MICHAEL	DDA REPAIR & MAINT- METRO CRUISE-MILLER	931-300	170	300.00
08/25/2016	GENS	64501	METRO CRUISE-FINAL	STEVE AZAR TOURING	METRO CRUISE WARMUP BAND	931-300	170	3,000.00
08/25/2016	GENS	64506	6965	ROBERT VANPROOYEN	DDA REP & MAINT- METRO CR SOUND SYSTEM	931-300	170	3,200.00
08/25/2016	GENS	64508*#	9769625490	VERIZON WIRELESS	CELL PHONES TABLES	924-100	170	16.03
08/25/2016	GENS	64509	1616-3	VIRIDIS DESIGN GROUP	DESIGN PLAN FOR COMMUNITY SPACE- LIBRARY	967-000	170	4,771.11
Total for department 170:								34,108.12
Department: 901 CAPITAL OUTLAY								
08/25/2016	GENS	3478(A)*#	355373	FISHBECK THOMPSON CARR & HUBEI ENGINEERING-	ENHANCED INTERSECTIONS	821-054	901	390.00
08/25/2016	GENS	3478(A)	355374	FISHBECK THOMPSON CARR & HUBEI CAPITAL O-	LANDIMP SIDEWALK N 28TH/DRURY	974-000	901	82.50
CHECK GENS 3478(A) TOTAL FOR FUND 248:								472.50
Total for department 901:								472.50
Total for fund 248 DDA								34,580.62
FUND 249 - BUILDING FUND								
08/11/2016	GENS	64438	PH 2588	CASCADE CHARTER TOWNSHIP	DS/W CONNECT 7550 CASCADE RD	237-000	000	1,100.00
08/25/2016	GENS	64468	PH 2590	CASCADE CHARTER TOWNSHIP	S/W CONNECT 6114 MCALLISTER CT	237-000	000	2,200.00
08/25/2016	GENS	64468	PH 2589	CASCADE CHARTER TOWNSHIP	S/W CONNECT 1300 MARSMAN	237-000	000	2,200.00
CHECK GENS 64468 TOTAL FOR FUND 249:								4,400.00
Total for department 000:								5,500.00
Department: 371 BUILDING DEPARTMENT								
08/04/2016	GENS	64397	MILG 7/18-7/29	BENOIT, BILL	MILEAGE - BENOIT 679 MILES	860-000	371	366.66
08/04/2016	GENS	64398	MILG 7/18-7/29	BIEGALLE, JEFFREY	MILEAGE- BIEGALLE, J 547 MILES	860-000	371	295.38
08/04/2016	GENS	64401	MILG 7/18-7/29	KEN DAVIS	MILEAGE DAVIS 554 MILES	860-000	371	299.16
08/04/2016	GENS	64410	MILG 7/18-7/29/16	DANIEL L HEYER	MILEAGE HEYER 534 MILES	860-000	371	288.36
08/04/2016	GENS	64412	MILG 7/18-7/29	HUYSER, DANIEL A.	MILEAGE- HUYSER 425 MILES	860-000	371	229.50
08/04/2016	GENS	64419	MILG 7/18-7/29	VINCENT MILITO	MILEAGE MILITO- 573 MILES	860-000	371	309.42
08/04/2016	GENS	64423	MILG 7/18-7/29	RON SABIN	MILEAGE SABIN 2563 MILES	860-000	371	138.24
08/04/2016	GENS	64429	MILG 7/18-7/29	BRIAN WILSON	MILEAGE WILSON 334 MILES	860-000	371	180.36
08/11/2016	GENS	64449	9002613881	KONICA MINOLTA ALBIN	C454 COPIER/PRINTER 6/28-7/28	939-000	371	44.19
08/11/2016	GENS	64451	MILITO, VINCENT 2016	MECHANICAL INSPECTORS ASSOC OF EDUCATION	MILITO MIAM FALL CONF	724-000	371	100.00
08/11/2016	GENS	64451	BIEGALLE, JEFFREY 201	MECHANICAL INSPECTORS ASSOC OF EDUCATION	BIEGALLE MIAM FALL CONF	724-000	371	100.00
CHECK GENS 64451 TOTAL FOR FUND 249:								200.00

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08/11/2016	GENS	64459*#	9769437873	VERIZON WIRELESS	CELL PHONES	924-100	371	403.59
08/25/2016	GENS	64465	MILG V8/01-8/12	BENOIT, BILL	MILEAGE - BENOIT 698 MILES	860-000	371	376.92
08/25/2016	GENS	64466	MILG 8/1-8/12	BIEGALLE, JEFFREY	MILEAGE- BIEGALLE,J 579 MILES	860-000	371	312.66
08/25/2016	GENS	64467	107819	BS&A SOFTWARE	USAGE FEE - PERMITS 2ND QRT	939-000	371	1,438.00
08/25/2016	GENS	64469	WILSON,BRIAN 2016 C	CODE OFFICIALS CONFERENCE OF MI EDUCATION WILSON 2016 COCM CONF		724-000	371	240.00
08/25/2016	GENS	64470*#	45311039	COMCAST	BLDG PHONES	924-000	371	49.85
08/25/2016	GENS	64471	MILG 8/28/12 & CLOTH	KEN DAVIS	DEPARTMENT UNIFORM DAVIS CLOTH ALLOW	768-000	371	87.00
08/25/2016	GENS	64471	MILG 8/28/12 & CLOTH	KEN DAVIS	MILEAGE DAVIS 504 MILES	860-000	371	272.16
					CHECK GENS 64471 TOTAL FOR FUND 249:			359.16
08/25/2016	GENS	64474*#	568188	FIRST BANKCARD	DEPT HEAD, SUPV EXP BLDG SPACE NEEDS	862-500	371	27.00
08/25/2016	GENS	64477	MILG 8/1-8/12	DANIEL L HEYER	MILEAGE HEYER 412 MILES	860-000	371	222.48
08/25/2016	GENS	64478	MILG 8/1-8/12	HUYSER, DANIEL A.	MILEAGE- HUYSER 580 MILES	860-000	371	313.20
08/25/2016	GENS	64487	HUYSER,DAN 2016-17	METRO ELECTRICAL INSPECTORS	MEMBERSHIPS & DUES HUYSER 2016-17 METRO	723-000	371	60.00
08/25/2016	GENS	64489	MILG 8/1-8/12	VINCENT MILITO	MILEAGE MILITO- 591 MILES	860-000	371	319.14
08/25/2016	GENS	64494*#	59648660	PAETEC	PHONES BLDG	924-000	371	56.60
08/25/2016	GENS	64495	HEYER,DAN 9/15	PLBG INSPECTORS' ASSOC OF MI	EDUCATION HEYER PIAM CONF	724-000	371	380.00
08/25/2016	GENS	64496	BIEGALLE,JEFF 9/15	PLBG INSPECTORS' ASSOC OF MI	EDUCATION BIEGALLE PIAM CONF	724-000	371	380.00
08/25/2016	GENS	64499	MILG 8/1-8/12	RON SABIN	MILEAGE SABIN 573 MILES	860-000	371	309.42
08/25/2016	GENS	64503*#	501134-0	SUPPLYGEEKS.BIZ	BUILDING FUND OFFICE SUPPLIES	727-000	371	20.89
08/25/2016	GENS	64503	501530-0	SUPPLYGEEKS.BIZ	BLDG SUPPLIES	727-000	371	6.89
08/25/2016	GENS	64503	500854-0	SUPPLYGEEKS.BIZ	BLDG SUPPLIES	727-000	371	16.75
					CHECK GENS 64503 TOTAL FOR FUND 249:			44.53
08/25/2016	GENS	64508*#	9769625490	VERIZON WIRELESS	CELL PHONES TABLETS	924-100	371	128.26
08/25/2016	GENS	64511	MILG 8/8-8/12	BRIAN WILSON	MILEAGE WILSON 141 MILES	860-000	371	76.14
					Total for department 371:			7,848.22
Department: 850 BENEFITS/INSURANCE								
08/25/2016	GENS	64472*	R10001198971	DELTA DENTAL	DENTAL INSURANCE BENEFITS SEPT	721-000	850	650.37
08/25/2016	GENS	64472	R10001198971	DELTA DENTAL	MI CLAIMS TAX - DENTAL SEPT	721-200	850	3.97
					CHECK GENS 64472 TOTAL FOR FUND 249:			654.34
08/25/2016	GENS	64473*	162080173	FIDELITY SECURITY LIFE INS	VISION INSURANCE BENEFITS AUG	718-000	850	101.20

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08/25/2016	GENS	64498*	161960063875	PRIORITY HEALTH	HEALTH INSURANCE BENEFITS AUG	719-000	850	9,201.92
08/25/2016	GENS	64498	162280000020	PRIORITY HEALTH	HEALTH INSURANCE BENEFITS SEPT	719-000	850	9,201.92
				CHECK GENS 64498 TOTAL FOR FUND 249:				18,403.84
					Total for department 850:			19,159.38
Department: 964 PAYMENTS TO OTHER TOWNSHIPS								
08/11/2016	GENS	3459(A)	JULY 2016 PERMITS	EAST GRAND RAPIDS/CITY OF	PERMITS DUE TO EAST GR JULY 2016	964-500	964	2,318.60
08/11/2016	GENS	3466(A)	JULY 2016 PERMITS	LOWELL TOWNSHIP	PERMITS DUE TO LOWELL TWP JULY	964-100	964	880.60
08/11/2016	GENS	3467(A)	JULY 2016 PERMITS'	PLAINFIELD CHARTER TOWNSHIP	PERMITS DUE PLAINFIELD JULY	964-600	964	3,376.80
08/11/2016	GENS	64433	JULY 2016 PERMITS	ADA TOWNSHIP	PERMITS DUE TO ADA TWP JULY	964-400	964	3,074.85
08/11/2016	GENS	64437	JULY 2016 PERMITS	CASCADE CHARTER TOWNSHIP	PERMITS DUE CASCADE TWP JULY	964-800	964	6,643.15
08/11/2016	GENS	64444	JULY 2016 PERMITS	GRAND RAPIDS CHARTER TOWNSHIP	PERMITS DUE TO GR TWP JULY 2016	964-300	964	4,367.60
08/11/2016	GENS	64450	JULY 2016 PERMITS	LOWELL MI, CITY OF	PERMITS DUE CITY OF LOWELL JULY	964-700	964	1,043.00
08/11/2016	GENS	64458	JULY 2016 PERMITS	VERGENNES TOWNSHIP	PERMITS DUE TO VERGENNES TWP JULY	964-200	964	225.20
					Total for department 964:			21,929.80
					Total for fund 249 BUILDING FUND			54,437.40
FUND 270 - LIBRARY FUND								
08/04/2016	GENS	3444(A)*#	JULY 2016 CONSUMER	CONSUMERS ENERGY	100000284784 2870 JACKSMITH AVE JULY	921-000	790	4,928.04
08/04/2016	GENS	3453(A)*#	CLIP42084	THORNAPPLE RIVER NURSERY, INC.	LIBRARY WEED & FEED APPL# 3	931-000	790	638.00
08/04/2016	GENS	64402*#	457271900013 7/16	DTE ENERGY	LIBRARY HEATING JULY	923-000	790	121.54
08/04/2016	GENS	64422*#	0240-006233212	REPUBLIC SERVICES	LIBRARY MAINTENANCE RECYCLE AUG	931-000	790	408.99
08/04/2016	GENS	64430*#	5879789-00	W.W. WILLIAMS	GEN. MAINT. LBRY TEST	931-000	790	125.00
08/04/2016	GENS	64430	5879789-00	W.W. WILLIAMS	GEN. MAINT. LBRY LUBE FLTR	931-000	790	8.17
08/04/2016	GENS	64430	5879789-00	W.W. WILLIAMS	GEN. MAINT. LIBRARY SAE 15W40	931-000	790	26.34
08/04/2016	GENS	64430	5879789-00	W.W. WILLIAMS	GEN. MAINT. LBRY ANALYSIS	931-000	790	15.77
08/04/2016	GENS	64430	5879789-00	W.W. WILLIAMS	GEN. MAINT. LBRY MILEAGE	931-000	790	36.00
08/04/2016	GENS	64430	5879789-00	W.W. WILLIAMS	LABOR	931-000	790	688.72
				CHECK GENS 64430 TOTAL FOR FUND 270:				900.00
08/11/2016	GENS	3460(A)*#	82097	ENVIRO-CLEAN	CLEANING LIBRARY JULY	802-200	790	1,487.00
08/11/2016	GENS	3460(A)	82097	ENVIRO-CLEAN	CLEANING WISNER JULY	802-200	790	330.00
08/11/2016	GENS	3460(A)	82097	ENVIRO-CLEAN	CLEANING LIBRARY (WEEKEND) JULY	802-200	790	180.00
				CHECK GENS 3460(A) TOTAL FOR FUND 270:				1,997.00
08/11/2016	GENS	3465(A)*#	195294	KINGSLAND'S ACE HARDWARE	LIBRARY MAINTENANCE ROUNDUP	931-000	790	49.99
08/11/2016	GENS	64442	312058	DEYOUNG'S ENGINE & MOWER INC.	EDGER	931-000	790	305.00

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AUGUST 2016 PAYABLES, PAYROLL, AND TRANSFERS

Check Date	Bank	Check #	Invoice	Payee	Description	Account	Dept	Amount
08/11/2016	GENS	64443*#	2686/3	FRUIT BASKET FLOWERLAND	LIBRARY MAINTENANCE POND STONES	931-000	790	27.93
08/25/2016	GENS	3477(A)	82265	ENVIRO-CLEAN	GLASS CLEANING AT LIBRARY	931-000	790	702.00
08/25/2016	GENS	3483(A)*#	194479	QUALITY AIR	MONTHLY MAINTENANCE- LIBRARY AUG-SEPT	931-000	790	806.16
08/25/2016	GENS	3488(A)	00305753	THE LIGHT BULB COMPANY	REPLACEMENT BULBS FOR LIBRARY	931-000	790	627.01
08/25/2016	GENS	64470*#	45311039	COMCAST	LIBRARY PHONES	924-000	790	21.36
08/25/2016	GENS	64476*#	WS2039827 MAY-AUG/16	GRAND RAPIDS CITY TREASURER	LIBRARY ELECTRICITY APR-JULY	921-000	790	962.20
08/25/2016	GENS	64476	WS2039828 APR-JUL 16	GRAND RAPIDS CITY TREASURER	LIBRARY WATER-SEWER IRRIGATION	927-000	790	1,425.54
08/25/2016	GENS	64476	WS2039826VMAY-AUG	GRAND RAPIDS CITY TREASURER	LIBRARY WATER-SEWER FIRE PROTECTION	927-000	790	49.07
					CHECK GENS 64476 TOTAL FOR FUND 270:			2,436.81
08/25/2016	GENS	64491	465726	MINER SUPPLY COMPANY	MULTIFOLD TOWEL	931-000	790	204.12
08/25/2016	GENS	64491	465726	MINER SUPPLY COMPANY	2 PLY JRT MINI BATH TISSUE	931-000	790	377.70
08/25/2016	GENS	64491	465726	MINER SUPPLY COMPANY	ADVC KITCHEN ROLL 2 PLY	931-000	790	87.16
					CHECK GENS 64491 TOTAL FOR FUND 270:			668.98
08/25/2016	GENS	64494*#	59648660	PAETEC	LIBRARY PHONES	924-000	790	23.70
08/25/2016	GENS	64502*#	20875	SUPERIOR PEST CONTROL INC	PEST CONTROLL - LIBRARY AUG	931-000	790	65.00
					Total for department 790:			14,727.51
					Total for fund 270 LIBRARY FUND			14,727.51
FUND 701 - TRUST AND AGENCY FUND								
08/25/2016	GENS	3478(A)*#	355377	FISHBECK THOMPSON CARR & HUBEI	LACKS TRIM DIV S/W 1/2016 PH 2	252-236	000	1,634.90
					Total for department 000:			1,634.90
					Total for fund 701 TRUST AND AGENCY			1,634.90
FUND 703 - CURRENT TAX COLLECTION FUND								
08/04/2016	GENS	3449(A)	CAL 1602	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - OPERATING	225-410	000	49,481.46
08/04/2016	GENS	3450(A)	CALD 1602	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - DEBT	225-420	000	26,800.98
08/04/2016	GENS	3451(A)	FHPS 1602	FOREST HILLS PUBLIC SCHOOLS	FHPS - OPERATING	225-110	000	144,925.48
08/04/2016	GENS	3451(A)	FHPS 1602	FOREST HILLS PUBLIC SCHOOLS	FHPS - DEBT	225-120	000	226,613.27
08/04/2016	GENS	3451(A)	FHPS 1602	FOREST HILLS PUBLIC SCHOOLS	FHPS - RECREATION	225-130	000	29,816.37
					CHECK GENS 3451(A) TOTAL FOR FUND 703:			401,355.12
08/04/2016	GENS	3452(A)	GRCC 1602	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - TAXES	235-110	000	122,351.68
08/04/2016	GENS	3454(A)	KC 1602	KENT COUNTY TREASURER	KENT COUNTY - OPERATING	222-110	000	293,147.38
08/04/2016	GENS	3455(A)	SET 1602	KENT COUNTY TREASURER-SET	CALEDONIA SET & OPERATING TAX (COUNTY)	228-001	000	44,837.01
08/04/2016	GENS	3455(A)	SET 1602	KENT COUNTY TREASURER-SET	FHPS SET & OPERATING TAX (COUNTY)	228-001	000	357,811.60
08/04/2016	GENS	3455(A)	SET 1602	KENT COUNTY TREASURER-SET	LOWELL SET & OPERATING TAX (COUNTY)	228-001	000	7,170.79
					CHECK GENS 3455(A) TOTAL FOR FUND 703:			409,819.40
08/04/2016	GENS	3456(A)	KISD 1602	KENT INTERMEDIATE SCHOOLS	KENT ISD - TAXES	234-110	000	328,076.26

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Check Date	Bank	Check #	Invoice	Payee	Description	Account	Dept	Amount	
08/04/2016	GENS	3457(A)	LOW 1602	LOWELL AREA SCHOOLS	LOWELL - OPERATING	226-110	000	43.50	
08/04/2016	GENS	3457(A)	LOW 1602	LOWELL AREA SCHOOLS	LOWELL - DEBT	226-120	000	4,182.94	
08/04/2016	GENS	3457(A)	LOW 1602	LOWELL AREA SCHOOLS	LOWELL BLDG/SITE	226-130	000	595.73	
				CHECK GENS 3457(A) TOTAL FOR FUND 703:					4,822.17
08/04/2016	GENS	64420	RFD 04351007	FOERSTER GARY	DUE TO JBOR 411904351007	275-000	000	1,322.70	
08/04/2016	GENS	64427	GF 1602	CASCADE CHARTER TWP	CCT - ADMIN	214-155	000	16,356.55	
08/11/2016	GENS	3468(A)	CAL 1603	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - OPERATING	225-410	000	25,941.78	
08/11/2016	GENS	3469(A)	CALD 1603	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - DEBT	225-420	000	14,274.89	
08/11/2016	GENS	3470(A)	FHPS 1603	FOREST HILLS PUBLIC SCHOOLS	FHPS - OPERATING	225-110	000	81,439.20	
08/11/2016	GENS	3470(A)	FHPS 1603	FOREST HILLS PUBLIC SCHOOLS	FHPS - DEBT	225-120	000	101,644.99	
08/11/2016	GENS	3470(A)	FHPS 1603	FOREST HILLS PUBLIC SCHOOLS	FHPS - RECREATION	225-130	000	13,373.81	
08/11/2016	GENS	3470(A)	FHPS 1603	FOREST HILLS PUBLIC SCHOOLS	FHPS - IFT DEBT	225-220	000	269.27	
08/11/2016	GENS	3470(A)	FHPS 1603	FOREST HILLS PUBLIC SCHOOLS	FHPS - IFT RECREATION	225-230	000	35.43	
				CHECK GENS 3470(A) TOTAL FOR FUND 703:					196,762.70
08/11/2016	GENS	3471(A)	GRCC 1603	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - TAXES	235-110	000	55,505.22	
08/11/2016	GENS	3471(A)	GRCC 1603	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - IFT TAX	235-210	000	126.59	
				CHECK GENS 3471(A) TOTAL FOR FUND 703:					55,631.81
08/11/2016	GENS	3472(A)	KC 1603	KENT COUNTY TREASURER	KENT COUNTY - OPERATING	222-110	000	132,987.06	
08/11/2016	GENS	3472(A)	KC 1603	KENT COUNTY TREASURER	KENT COUNTY - IFT OPERATING	222-210	000	303.30	
				CHECK GENS 3472(A) TOTAL FOR FUND 703:					133,290.36
08/11/2016	GENS	3473(A)	SET 1603	KENT COUNTY TREASURER-SET	CALEDONIA SET & OPERATING TAX (COUNTY)	228-001	000	24,471.25	
08/11/2016	GENS	3473(A)	SET 1603	KENT COUNTY TREASURER-SET	FHPS SET & OPERATING TAX (COUNTY)	228-001	000	159,303.97	
08/11/2016	GENS	3473(A)	SET 1603	KENT COUNTY TREASURER-SET	LOWELL SET & OPERATING TAX (COUNTY)	228-001	000	1,454.08	
				CHECK GENS 3473(A) TOTAL FOR FUND 703:					185,229.30
08/11/2016	GENS	3474(A)	KISD 1603	KENT INTERMEDIATE SCHOOLS	KENT ISD - TAXES	234-110	000	148,832.65	
08/11/2016	GENS	3474(A)	KISD 1603	KENT INTERMEDIATE SCHOOLS	KENT ISD - IFT TAXES	234-210	000	339.44	
				CHECK GENS 3474(A) TOTAL FOR FUND 703:					149,172.09
08/11/2016	GENS	3475(A)	LOW 1603	LOWELL AREA SCHOOLS	LOWELL - DEBT	226-120	000	848.22	
08/11/2016	GENS	3475(A)	LOW 1603	LOWELL AREA SCHOOLS	LOWELL BLDG/SITE	226-130	000	120.80	
				CHECK GENS 3475(A) TOTAL FOR FUND 703:					969.02
08/11/2016	GENS	64456	GF 1603	CASCADE CHARTER TWP	CCT - OVER/SHORT	214-112	000	3.00	
08/11/2016	GENS	64456	GF 1603	CASCADE CHARTER TWP	CCT - ADMIN	214-155	000	7,626.68	
				CHECK GENS 64456 TOTAL FOR FUND 703:					7,629.68
08/11/2016	GENS	64457	MI 1603	STATE OF MICHIGAN	IFT SET & OPER TAX FHPS OPER	228-201	000	637.75	
08/11/2016	GENS	64457	MI 1603	STATE OF MICHIGAN	IFT SET & OPER TAX FHPS SET	228-201	000	850.33	
				CHECK GENS 64457 TOTAL FOR FUND 703:					1,488.08
08/25/2016	GENS	3484(A)	CAL 1604	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - OPERATING	225-410	000	91,471.02	
08/25/2016	GENS	3485(A)	CALD 1604	CALEDONIA COMMUNITY SCHOOLS	CALEDONIA - DEBT	225-420	000	57,354.50	
08/25/2016	GENS	3486(A)	FHPS 1604	FOREST HILLS PUBLIC SCHOOLS	FHPS - OPERATING	225-110	000	377,730.12	

09/02/2016

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 AUGUST 2016 PAYABLES, PAYROLL, AND TRANSFERS

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08/25/2016	GENS	3486(A)	FHPS 1604	FOREST HILLS PUBLIC SCHOOLS	FHPS - DEBT	225-120	000	442,759.18
08/25/2016	GENS	3486(A)	FHPS 1604	FOREST HILLS PUBLIC SCHOOLS	FHPS - RECREATION	225-130	000	58,255.57
				CHECK GENS 3486(A) TOTAL FOR FUND 703:				878,744.87
08/25/2016	GENS	3487(A)	GRCC 1604	GRAND RAPIDS COMMUNITY COLLEGE	GRCC - TAXES	235-110	000	240,833.50
08/25/2016	GENS	3490(A)	KC 1604	KENT COUNTY TREASURER	KENT COUNTY - OPERATING	222-110	000	577,021.17
08/25/2016	GENS	3491(A)	SET 1604	KENT COUNTY TREASURER-SET	CALEDONIA SET & OPERATING TAX (COUNTY)	228-001	000	89,457.72
08/25/2016	GENS	3491(A)	SET 1604	KENT COUNTY TREASURER-SET	FHPS SET & OPERATING TAX (COUNTY)	228-001	000	690,410.34
08/25/2016	GENS	3491(A)	SET 1604	KENT COUNTY TREASURER-SET	LOWELL SET & OPERATING TAX (COUNTY)	228-001	000	11,436.41
				CHECK GENS 3491(A) TOTAL FOR FUND 703:				791,304.47
08/25/2016	GENS	3492(A)	KISD 1604	KENT INTERMEDIATE SCHOOLS	KENT ISD - TAXES	234-110	000	645,773.76
08/25/2016	GENS	3493(A)	LOW 1604	LOWELL AREA SCHOOLS	LOWELL - OPERATING	226-110	000	2,553.85
08/25/2016	GENS	3493(A)	LOW 1604	LOWELL AREA SCHOOLS	LOWELL - DEBT	226-120	000	6,671.21
08/25/2016	GENS	3493(A)	LOW 1604	LOWELL AREA SCHOOLS	LOWELL BLDG/SITE	226-130	000	950.06
				CHECK GENS 3493(A) TOTAL FOR FUND 703:				10,175.12
08/25/2016	GENS	64504	GF 1604	CASCADE CHARTER TWP	CCT - OVER/SHORT	214-112	000	(1.67)
08/25/2016	GENS	64504	GF 1604	CASCADE CHARTER TWP	CCT - ADMIN	214-155	000	32,923.35
				CHECK GENS 64504 TOTAL FOR FUND 703:				32,921.68
					Total for department 000:			5,749,523.50
					Total for fund 703 CURRENT TAX COLLECTION FUND			5,749,523.50
				TOTAL - ALL FUNDS				6,041,390.67

**I-INDICATES CHECK DISTRIBUTED TO MORE THAN ONE FUND

#I-INDICATES CHECK DISTRIBUTED TO MORE THAN ONE DEPARTMENT

Transactions Log for Payroll Deductions
MONTH ENDING: AUGUST 2016

Direct Deposit

Date Submitted	<u>8.9.16</u>	Transaction#	<u>1168251</u>	Amount	<u>57,993.31</u>
Date Submitted	<u>8.23.16</u>	Transaction#	<u>1178062</u>	Amount	<u>60,063.66</u>
Date Submitted	_____	Transaction#	_____	Amount	_____

Deferred Comp

Date Submitted	<u>8.10.16</u>	Transaction#	<u>G9SCU</u>	Amount	<u>1229.10</u>
Date Submitted	<u>8.23.16</u>	Transaction#	<u>G9XSP</u>	Amount	<u>1229.10</u>
Date Submitted	_____	Transaction#	_____	Amount	_____

Payroll Taxes

Date Submitted	<u>8.9.16</u>	Transaction#	<u>95152538</u>	Amount	<u>28,419.61</u>
Date Submitted	<u>8.23.16</u>	Transaction#	<u>04258132</u>	Amount	<u>30,327.76</u>
Date Submitted	_____	Transaction#	_____	Amount	_____

HSA

Date Submitted	<u>8.9.16</u>	Transaction#	<u>1168260</u>	Amount	<u>2713.00</u>
Date Submitted	<u>8.23.16</u>	Transaction#	<u>1178073</u>	Amount	<u>2813.00</u>
Date Submitted	_____	Transaction#	_____	Amount	_____

ICMA RC

Date Submitted	<u>8.9.16</u>	Transaction#	<u>1168254</u>	Amount	<u>498.00</u>
Date Submitted	<u>8.23.16</u>	Transaction#	<u>1178066</u>	Amount	<u>498.00</u>
Date Submitted	_____	Transaction#	_____	Amount	_____

MERS

Date Submitted	<u>8.30.16</u>	Transaction#	<u>61298-2</u>	Amount	<u>28,968.42</u>
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Monthly Check Register – Gross

Date Submitted	<u>8.30.16</u>	Amount	<u>345,392.49</u>
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Clerk's Office

Date 8.30.16



Municipal Employees' Retirement System of Michigan
 1134 Municipal Way • Lansing, MI 48917
 800.767.MERS (6377) • Fax: 517.703.9707
 www.mersofmich.com

2016 Officer and Employee Delegate Certification Form

MERS 70th Annual Conference | September 28-29, 2016 | Grand Traverse Resort, Acme, MI

Please print clearly • Retain a copy for your records

IMPORTANT: A **voting delegate** registered to attend the **MERS Annual Conference** is **NOT** confirmed to have voting rights until this form has been received by MERS.

The voting delegate representative must be a MERS member, defined as an **active employee on payroll** who is enrolled in either a MERS Defined Benefit Plan, Defined Contribution Plan or Hybrid Plan.

If you are not attending MERS Annual Conference, you do not need to submit this form.

1. Officer (and alternate) delegate information

The officer delegate (or alternate) shall be a MERS member who holds a department head position or above, exercises management responsibilities, and is directly responsible to the legislative, executive, or judicial branch of government.

Officer Delegate name

Denise M. Biegalle

Officer Alternate name

Officer delegate and alternate listed above were appointed to serve at the 2016 MERS Annual Conference by official action of the governing body (or chief judge for a participating court) on 9/14, 2016.

2. Employee (and alternate) delegate information

The employee delegate (or alternate) shall be an employee member who is not responsible for management decisions, receives direction from management and, in general, is not directly responsible to the legislative, executive, or judicial branch of government.

Employee Delegate name

Mildred Pinder

Employee Alternate name

Employee delegate and alternate listed above were elected to serve at the 2016 MERS Annual Conference by secret ballot election conducted by an authorized officer on 9/14, 2016.

3. Certification

NOTE: Certification should be signed by a member of the governing body or chief administrative officer, or the chief judge for a participating court, and municipality number provided in space at the bottom of certification box.

I certify that the officer delegate and alternate selections are true and correct, and the secret ballot election results for employee delegate and alternate are true and correct.

Employer/municipality name*		Municipality number*	Email address	
Cascade Charter Township		4110	bswayze@cascadetwp.com	
Employer address	Employer city	Employer state	Employer zip code	
2865 Thornhills Dr., S.E.	Grand Rapids	MI	49546	
Signature of authorized authority*		Printed name		
		Benjamin Swayze		
		Title of authorized authority*	Date	
Township Manager		09/14/16		

* Required field

TOWNSHIP BOARD MEMORANDUM

To: Cascade Charter Township Board

From: Sandra Korhorn, DDA/Economic Development Director *SKK*

Subject: Public Hearing and Consider Resolution Approving Preliminary Plans and Preparation of a Special Assessment Roll

Meeting Date: September 14, 2016

This is the third step in the special assessment process for the proposed sewer improvement on Thornapple River Dr. A public hearing is required to hear any support or objections to the proposed improvement/special assessment district.

Following the public hearing, the Township Board determines whether to proceed with the improvement. If so, the attached resolution approves the preliminary plans and cost estimate, designates the special assessment district and directs the Township Supervisor to prepare a proposed special assessment roll.

Staff recommends the Township Board move forward with the proposed resolution to approve the plans and continue to move forward with the project.

**CASCADE CHARTER TOWNSHIP
KENT COUNTY, MICHIGAN
Resolution # of 2016**

**RESOLUTION NO. 3 OF THE SPECIAL ASSESSMENT
PROCEDURE TO CAUSE THE FUNDING OF A
PUBLIC SEWER IMPROVEMENT ON
THORNAPPLE RIVER DRIVE**

WHEREAS, Cascade Charter Township, County of Kent, State of Michigan (the “Township”) through its Township Clerk, pursuant to Act 188, Public Acts of Michigan, 1954, as amended (the “Act”), did cause legal and due notice of a public hearing to be published in The Grand Rapids Press, Kent County, Michigan, a newspaper of general circulation in the Township, which action is hereby confirmed, ratified and approved; and

WHEREAS, the Township Board met and conducted said public hearing on September 14, 2016, at 7:00 o’clock p.m., prevailing Eastern Time as provided in the notice; and

WHEREAS, the Township Board desires to proceed with the proposed public improvement described in Exhibit A hereto; and

WHEREAS, the Township Board is prepared to approve the special assessment district described in Exhibit B hereto.

NOW, THEREFORE, BE IT RESOLVED THAT:

1. The Township Board hereby determines that the public improvement described in Exhibit A attached hereto and made a part hereof are necessary for the health, safety and welfare of the Township and that said public improvements shall be made and completed pursuant to the Act.

2. The Township Board hereby approves the plans and estimate of cost for the public improvement in the total sum of Two Hundred Seventy Thousand and Thirty Dollars (\$270,030.00), as prepared by the Township Engineer. Of the aforesaid total cost of the project, the entire sum of Two Hundred Seventy Thousand and Thirty Dollars (\$270,030.00) will be spread against the hereinafter named special assessment district pursuant to the Act.

3. The Township Board finally determines that said special assessment district shall consist of all of the lots and parcels of land described in Exhibit B attached hereto and that the

existence of said special assessment district shall be maintained until all special assessments payable on the roll hereinafter described, have been paid but in any event not later than twenty (20) years from the date of confirmation of the special assessment roll.

4. The Township Board determines that said Cascade Township connection fee in the amount of One Thousand One Hundred Dollars (\$1, 100.00) shall be waived for the lots and parcels of land described in Exhibit B attached hereto. The property owners will be responsible for all fees related to the City of Grand Rapids and private contractors.

5. The Township Board determines that the number of installments in which the special assessments may be paid shall be twenty (20), the first of which shall be due and payable on February 14, 2017, and subsequent installments to be due and payable on February 14 of each year thereafter; and, that interest shall be charged on all unpaid installments on said special assessment roll at a rate equal to Three percent (3%) per annum. Such interest shall commence on February 15, 2017 plus penalty and collection costs as set forth in the Charter.

6. Any parcel of land divided after a special assessment thereon has been confirmed, and before the collection thereof, the Township Board reserves the right to reapportion the uncollected cost of said public improvement between the several divisions, pursuant to Section 11 of said Act 188.

7. The Township Supervisor is directed to make a special assessment roll in which shall be described all the parcels of land to be assessed as set forth above, with the names of the owners thereof, if known, and the total amount to be assessed against each parcel of land, which amount shall be such relative portion of the whole sum to be levied against all parcels of land in the assessment district as the benefit to such parcel of land bears to the total benefit of all parcels of land in the special assessment district.

8. When the Township Supervisor shall have completed the special assessment roll, the Township Supervisor shall affix thereto a certificate stating that said roll was made pursuant to a resolution of the Township Board of said Township, adopted on the date of adoption of this resolution, and that in making the assessment roll the Supervisor has, according to the Supervisor's best judgment, conformed in all respects to the directions contained in said resolution and the statutes of the State of Michigan, and the Supervisor shall then report the special assessment roll, with the certificate attached thereto, to the Township Board.

9. All resolutions and parts of resolutions insofar as they conflict with the provisions of this resolution be and they hereby are rescinded.

The foregoing Resolution was offered by Board Member , supported by Board Member . The roll call vote being as follows:

YEAS:

NAYS:

ABSTAIN:

ABSENT:

RESOLUTION DECLARED ADOPTED.

Dated: September 14, 2016

Clem Bell, Township Clerk

CERTIFICATION

I hereby certify the above to a true copy of a resolution adopted by the Cascade Charter Township Board at a regular meeting held at the Cascade Library Wisner Center on the 14th day of September, 2016, at 7:00 p.m., pursuant to the required statutory procedures.

Dated: September 14, 2016

Clem Bell, Township Clerk

EXHIBIT A

Public Improvements

The construction of a public sewer line on Thornapple River Dr. from approximately 2985/2986 Thornapple River Dr. to 3039/3042 Thornapple River Dr.

EXHIBIT BSpecial Assessment District

41-19-16-126-033	3047 Thornapple River Dr.
41-19-16-126-012	3003 Thornapple River Dr.
41-19-16-176-010	2984 Thornapple River Dr.
41-19-16-126-035	3039 Thornapple River Dr.
41-19-16-176-008	3010 Thornapple River Dr.
41-19-16-176-005	3042 Thornapple River Dr.
41-19-16-176-007	3024 Thornapple River Dr.
41-19-16-176-009	2986 Thornapple River Dr.
41-19-16-126-014	2995 Thornapple River Dr.
41-19-16-126-017	3021 Thornapple River Dr.
41-19-16-126-034	3035 Thornapple River Dr.
41-19-16-176-006	3032 Thornapple River Dr.
41-19-16-126-015	2985 Thornapple River Dr.

UTILITIES - CONTACT INFORMATION

PUBLIC

CITY OF GRAND RAPIDS WATER SYSTEM
1900 OAK INDUSTRIAL DR. NE
GRAND RAPIDS, MI 49505
(616) 456-4096

CITY OF GRAND RAPIDS
SANITARY AND STORM SEWER MAINTENANCE
1900 OAK INDUSTRIAL DR. NE
GRAND RAPIDS, MI 49505
(616) 456-3561

KENT COUNTY ROAD COMMISSION
1500 SCRIBNER NW
GRAND RAPIDS, MI 49504
(616) 242-6900
MR. WAYNE HARRALL

CASCADE CHARTER TOWNSHIP
2865 THORNAPPLS AVENUE SE
GRAND RAPIDS, MI 49546
(616) 949-1500

PRIVATE

CONSUMERS ENERGY (ELECTRIC)
4501 40TH STREET SE
KENTWOOD, MI 49512
(616) 954-6908
MS. LESLIE JOHNSTON

AT&T (TELEPHONE)
955 36TH ST. SE
GRAND RAPIDS, MI 49508
(616) 246-7341
MR. JOHN DRISCOLL

DTE ENERGY (NATURAL GAS)
444 WEALTHY ST. SW
P.O. BOX 420
GRAND RAPIDS, MI 49501
(616) 954-6908
MR. ANDRE DIAZ

XFINITY/COMCAST (CABLE TV)
3500 PATTERSON, SE
GRAND RAPIDS, MI 49512
(616) 977-2229
MR. JIM ZAWACKI



CITY OF GRAND RAPIDS
GRAND RAPIDS, MICHIGAN

**DESIGN, DEVELOPMENT
AND ENTERPRISE SERVICES**

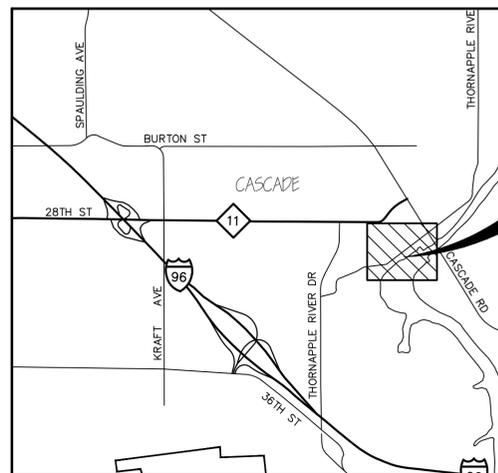
**SANITARY SEWER AND WATER MAIN
IN
THORNAPPLE RIVER DRIVE
AND
WATER MAIN
IN
PUBLIC EASEMENT (SE)
(THORNAPPLE RIVER DRIVE UTILITY EXTENSION)**

**CALL MISS DIG
(800) 482-7171**

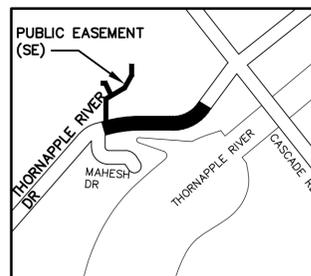
FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 53, 1974, THE CONTRACTOR SHALL CALL (800) 482-7171 A MINIMUM OF THREE (3) FULL WORKING DAYS (EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS) PRIOR TO EXCAVATING IN THE VICINITY OF UTILITY LINES. ALL "MISS DIG" PARTICIPATING MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

GENERAL NOTES

- MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE 1993 EDITION OF THE CITY OF GRAND RAPIDS STANDARD CONSTRUCTION SPECIFICATIONS, EXCEPT AS OTHERWISE INDICATED ON THESE PLANS OR IN THE SUPPLEMENTAL SPECIAL SPECIFICATIONS.
- FOR PROJECTS WITHIN THE CITY OF GRAND RAPIDS LIMITS, THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), STEAM, TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION ON THE DRAWINGS INCLUDED IN THIS DRAWING SET. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.



PROJECT LOCATION



JOB SITE

GRAND RAPIDS REVIEW FOR COMPLIANCE WITH GRAND RAPIDS STANDARD CONSTRUCTION SPECIFICATIONS ONLY. NO OTHER REPRESENTATION OR WARRANTY IS MADE.

BID SET				AS-BUILT RECORD	
BID SET NO.	DATE	BID SET NO.	DATE	CONTRACTOR	
				FIELD ENGINEER	
				INSPECTED BY	
REVISIONS				AS-BUILT BY	
REV NO.	DATE	SHEET NUMBER(S)	APPROVED BY	AS-BUILT DATE	
				BORINGS BY	
				WATER PIPE MANUFACTURER	
				SANITARY PIPE MANUFACTURER	
				STORM PIPE MANUFACTURER	
PERMITS					
M.D.E.Q. WATER SYSTEM PERMIT NO.:			OTHER: NO.:		
M.D.E.Q. WASTEWATER SYSTEM PERMIT NO.:			OTHER: NO.:		
M.D.O.T. RIGHT-OF-WAY PERMIT NO.:			OTHER: NO.:		

CITY COMMISSION PROCEEDING NO. _____ DATE _____
 CONSTRUCTION AGREEMENT LETTER AGREEMENT
 ESCROW AGREEMENT FINANCIAL AGREEMENT
 PAYBACK AGREEMENT: WATER MAIN SANITARY SEWER
 OVERSIZING AGREEMENT: WATER MAIN SANITARY SEWER
 PUBLIC UTILITIES EASEMENT: (SEE EASEMENT DESCRIPTION SHEET)

INDEX OF SHEETS

- 1 TITLE SHEET
- 2-4 SANITARY SEWER IN THORNAPPLE RIVER DRIVE
- 5-7 WATER MAIN IN THORNAPPLE RIVER DRIVE
- 8 WATER MAIN IN PUBLIC EASEMENT (SE)
- 9 WATER MAIN DETAILS
- 10 CROSS-SECTIONS (INFORMATION ONLY)
- 11 EASEMENT DESCRIPTION
- 12-14 REMOVALS (INFORMATION ONLY)
- 15-18 RECONSTRUCTION & STORM SEWER IN THORNAPPLE RIVER DRIVE (INFORMATION ONLY)
- 19 ROAD GEOMETRY & GRADING (INFORMATION ONLY)
- 20 PAVEMENT MARKING & SIGNAGE (INFORMATION ONLY)
- 21 MAINTAINING TRAFFIC (INFORMATION ONLY)

MUNICIPALITY: CASCADE TOWNSHIP
 APPROVED BY:
 Approved _____ Date _____
 Ben Swoyze, Township Manager

APPROVAL OF SHEET(S) _____ ONLY

DESIGNED BY:
ftc&h fishbeck, thompson, carr & huber
 engineers • scientists • architects
 1515 Arboretum Dr. SE
 Grand Rapids, Michigan 49546
 phone (616)575-3824, fax (616)464-3996

FTC&H
 PROFESSIONAL PERSON IN RESPONSIBLE CHARGE OF THE PROJECT

SHEETS
1-20

NAME OF LICENSEE
MICHAEL L. BERREVOETS

NUMBER
49132

SIGNATURE

City of Grand Rapids
 Design, Development and Enterprise Services
 Engineering Department

**SANITARY SEWER AND WATER MAIN
 IN
 THORNAPPLE RIVER DRIVE
 AND
 WATER MAIN
 IN
 PUBLIC EASEMENT (SE)
 (THORNAPPLE RIVER DRIVE
 UTILITY EXTENSION)**

Drawn by MLB Notes in FTCH
 Check: Field _____ Office _____

Approved _____ Date _____
 GR City Engineer

APPROVAL OF SHEET(S) **1-20** ONLY

Project No. 16015	GPF No. 5436	Sheet No. 1 of 21
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BENCHMARK
 BENCH MARK A ELEVATION: 706.55
 MAG NAIL IN SOUTH SIDE OF 18" AND TWIN
 8" TREES, NORTH SIDE OF THORNAPPLE RIVER
 DRIVE, WEST OF DRIVE TO HOUSE #3003



SCALES
 PLAN: 1"=20'
 PROFILE: 1"=20'
 HORZ. 1"=20'
 VERT. 1"=10'

SANITARY LATERAL SCHEDULE

ADDRESS	LATERAL SIZE
2992 THORNAPPLE RIVER DR	6"
3010 THORNAPPLE RIVER DR	6"
3021 THORNAPPLE RIVER DR	6"
3024 THORNAPPLE RIVER DR	6"
3032 THORNAPPLE RIVER DR	6"
3042 THORNAPPLE RIVER DR	6"

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

SANITARY SEWER GENERAL NOTES

1. SANITARY SEWER CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARD CONSTRUCTION SPECIFICATIONS OF THE CITY OF GRAND RAPIDS, 1993 EDITION, AND ALL REVISIONS THEREOF.
2. SANITARY SEWER LATERALS SHALL BE SDR-23.5 (EXTRA STRENGTH) FOR ALL DEPTHS, AND IN ACCORDANCE WITH DETAIL S-17 OF THE STANDARD CONSTRUCTION SPECIFICATIONS OF THE CITY OF GRAND RAPIDS, UNLESS OTHERWISE NOTED.
3. SANITARY SEWER LATERALS SHALL BE A MAXIMUM DEPTH OF 9'-6" BELOW THE ROW GRADE PER THE STANDARD CONSTRUCTION SPECIFICATIONS OF THE CITY OF GRAND RAPIDS.
4. AT NO TIME SHALL CONTRACTOR WORK OUTSIDE RIGHT OF WAY UNLESS GRADING PERMITS HAVE BEEN OBTAINED.

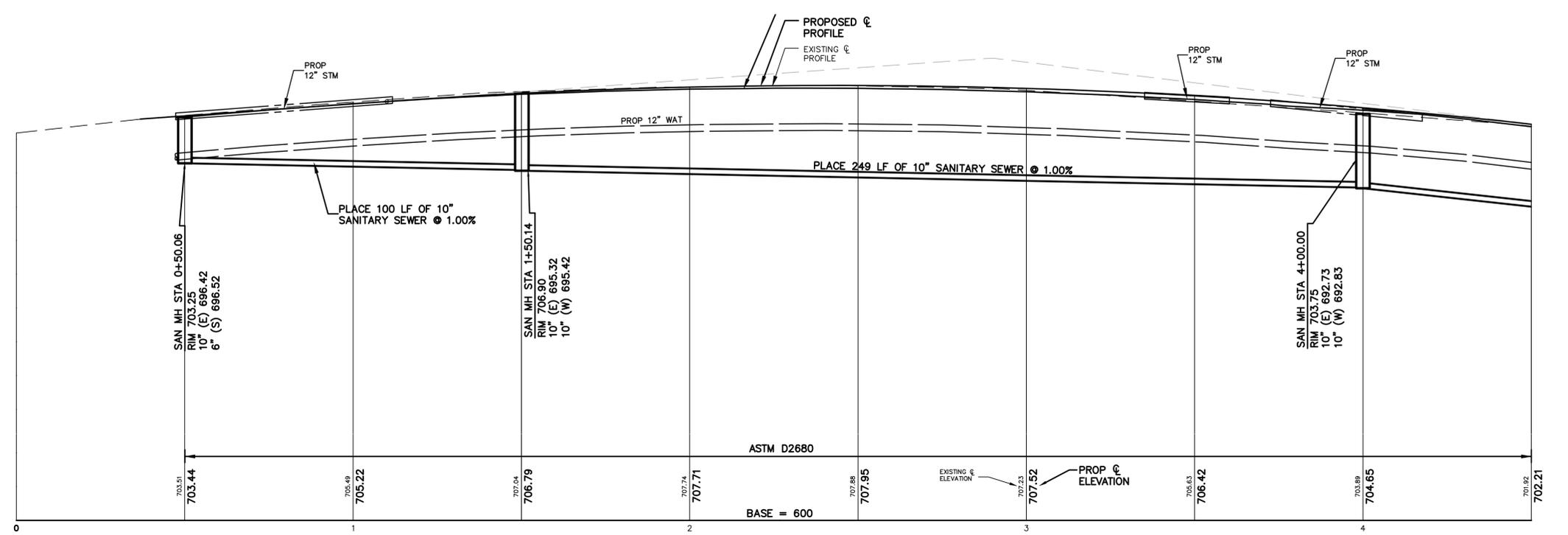
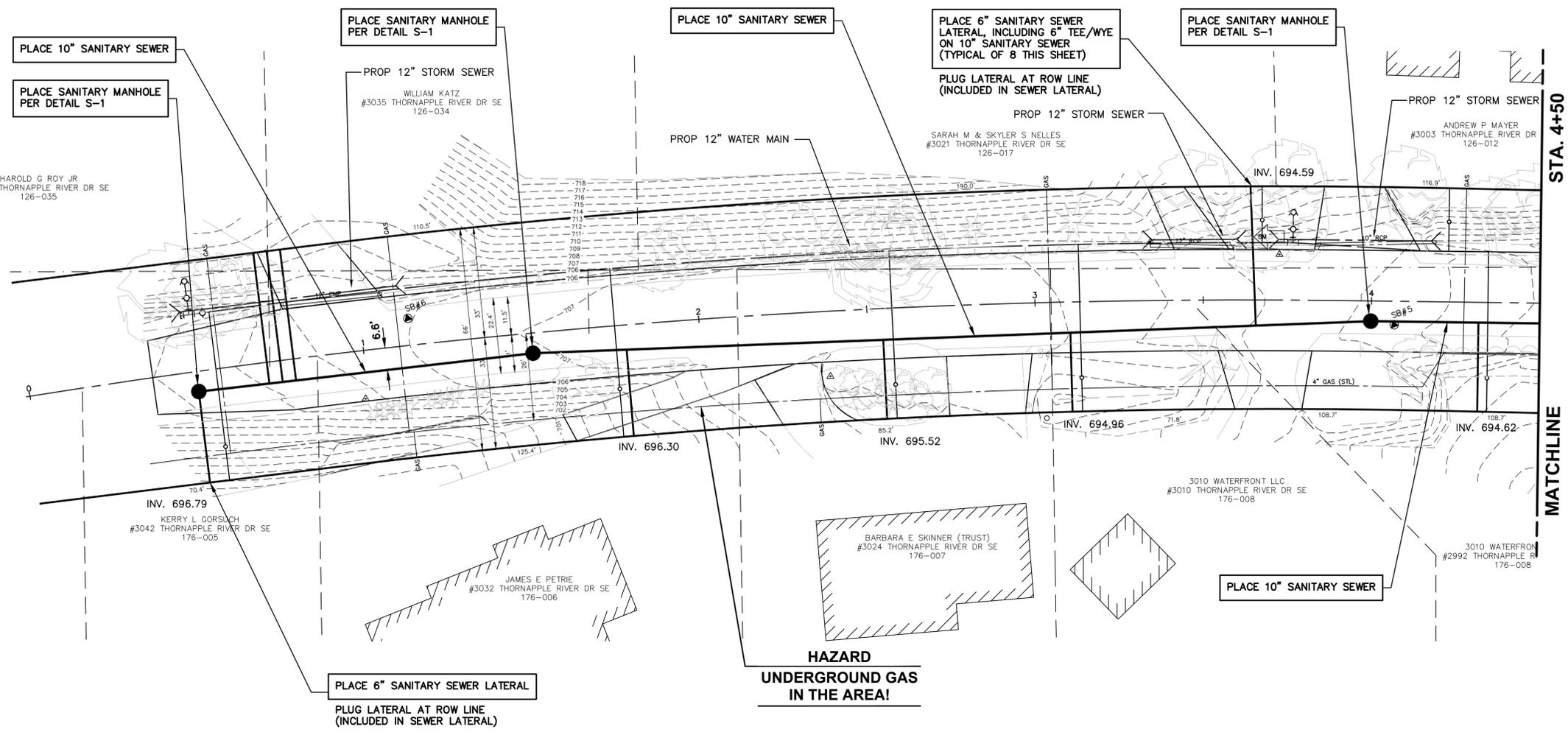
REV. NO.	DESCRIPTION

DESIGNED & SURVEYED BY: fishbeck, thompson, carr & huber, inc.
 1515 Arboretum Dr. SE
 Grand Rapids, Michigan 49546
 phone (616)575-3824, fax (616)464-3996
 engineers • scientists • architects • constructors

City of Grand Rapids
 Design, Development and Enterprise Services
 Engineering Department

**SANITARY SEWER
 IN
 THORNAPPLE
 RIVER DRIVE
 FROM 400' EAST OF MAHESH DR.
 TO
 900' SOUTHWEST OF CASCADE RD.**

Drawn by MLB GPF No. 5436 Sheet No. 2 of 21
 Check: Field _____
 Check: Office _____



PLOT INFO: Z:\2015\150788CD\CAD\02-04-150788CD_SAN.DWG LAYOUT: 02 DATE: 8/15/2016 TIME: 3:42:04 PM USER: RML

BENCHMARK
 BENCH MARK A ELEVATION: 706.55
 MAG NAIL IN SOUTH SIDE OF 18" AND TWIN
 8" TREES, NORTH SIDE OF THORNAPPLE RIVER
 DRIVE, WEST OF DRIVE TO HOUSE #3003



SCALES
 PLAN: 1"=20'
 PROFILE: 1"=20'
 HORZ. 1"=20'
 VERT. 1"=10'

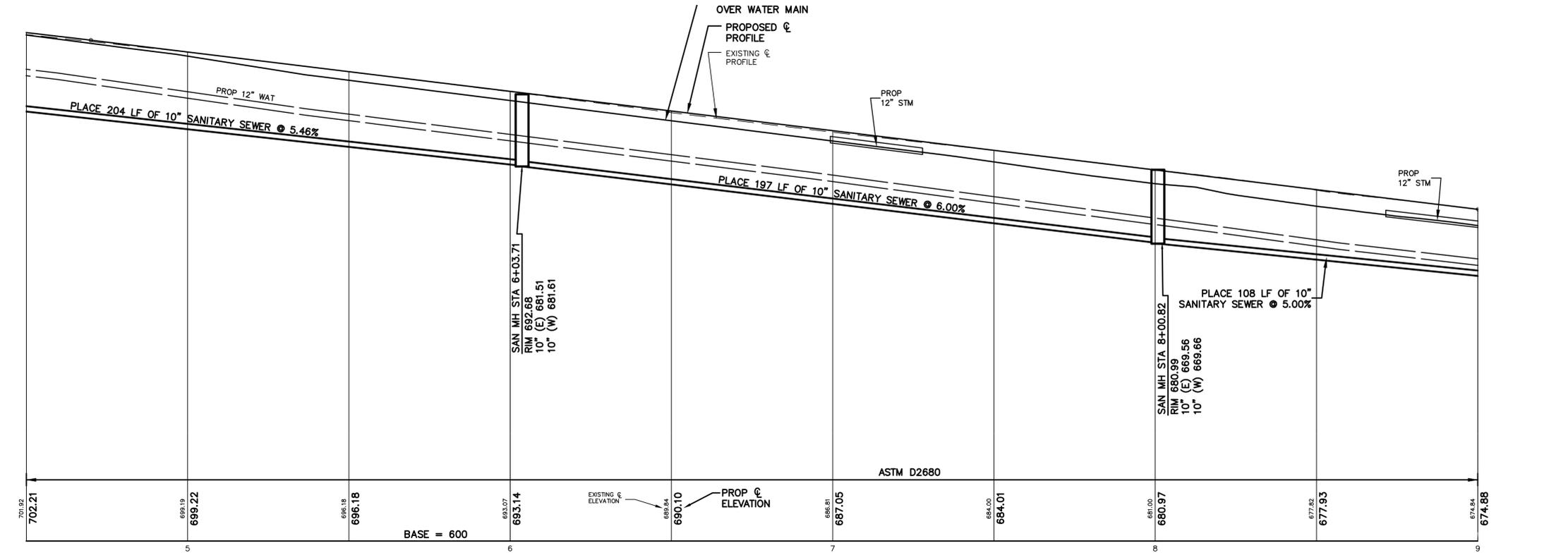
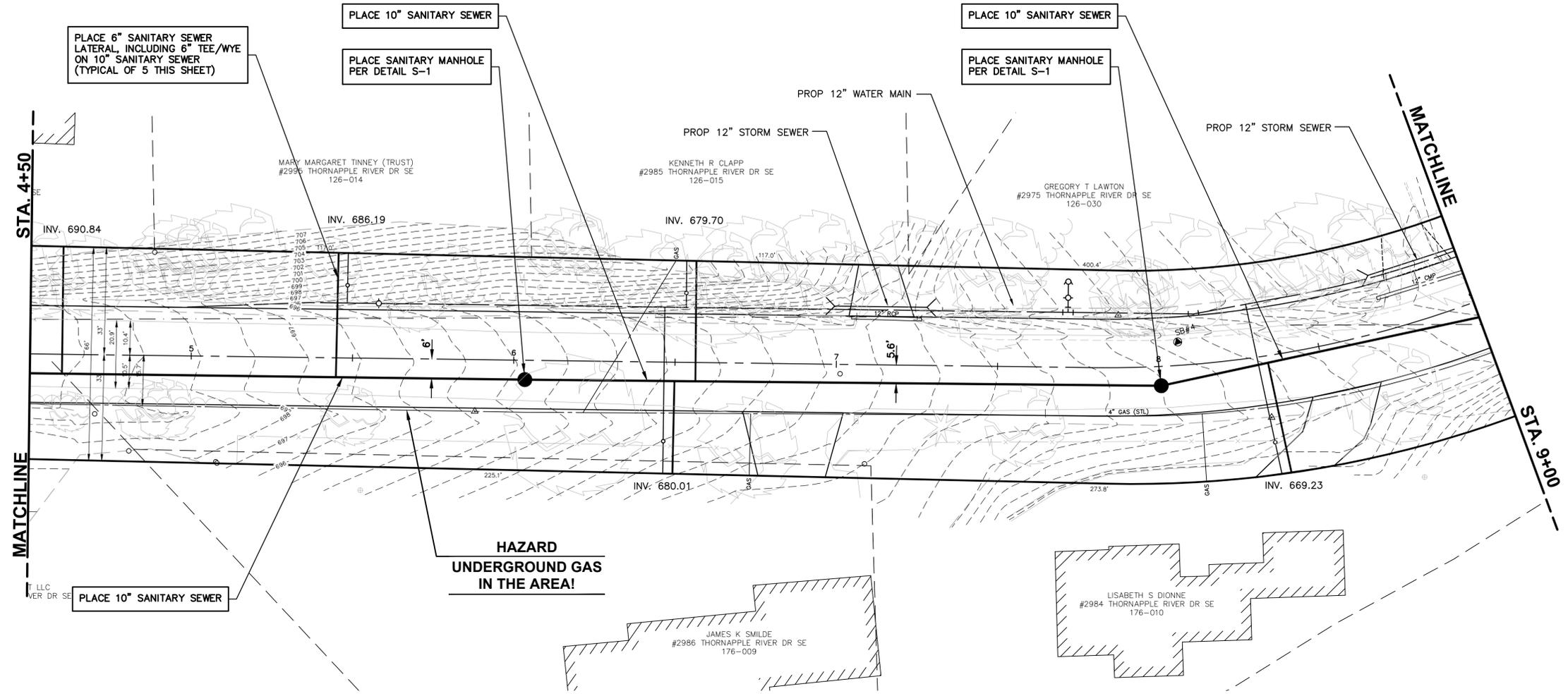
SANITARY LATERAL SCHEDULE

ADDRESS	LATERAL SIZE
2984 THORNAPPLE RIVER DR	6"
2985 THORNAPPLE RIVER DR	6"
2986 THORNAPPLE RIVER DR	6"
2995 THORNAPPLE RIVER DR	6"
3003 THORNAPPLE RIVER DR	6"

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

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- AT NO TIME SHALL CONTRACTOR WORK OUTSIDE RIGHT OF WAY UNLESS GRADING PERMITS HAVE BEEN OBTAINED.



REV. NO.	DESCRIPTION

DESIGNED & SURVEYED BY: fishbeck, thompson, carr & huber, inc.
 1515 Arboretum Dr. SE
 Grand Rapids, Michigan 49546
 phone (616)575-3824, fax (616)464-3996
 engineers • scientists • architects • constructors

City of Grand Rapids
 Design, Development and Enterprise Services
 Engineering Department

**SANITARY SEWER
 IN
 THORNAPPLE
 RIVER DRIVE
 FROM 400' EAST OF MAHESH DR.
 TO
 900' SOUTHWEST OF CASCADE RD.**

Drawn by <u>MLB</u>	GPF No.	Sheet No.
Check: Field _____	5436	3 of 21
Check: Office _____		

PLOT INFO: Z:\2015\15078BCD\CAD\02-04_15078BCD_SAN.DWG LAYOUT: 03 DATE: 8/15/2016 TIME: 3:42:12 PM USER: RML

BENCHMARK
 BENCH MARK A ELEVATION: 706.55
 MAG NAIL IN SOUTH SIDE OF 18" AND TWIN
 8" TREES, NORTH SIDE OF THORNAPPLE RIVER
 DRIVE, WEST OF DRIVE TO HOUSE #3003



SCALES
 PLAN: 1"=20'
 PROFILE: 1"=20'
 HORZ. 1"=20'
 VERT. 1"=10'

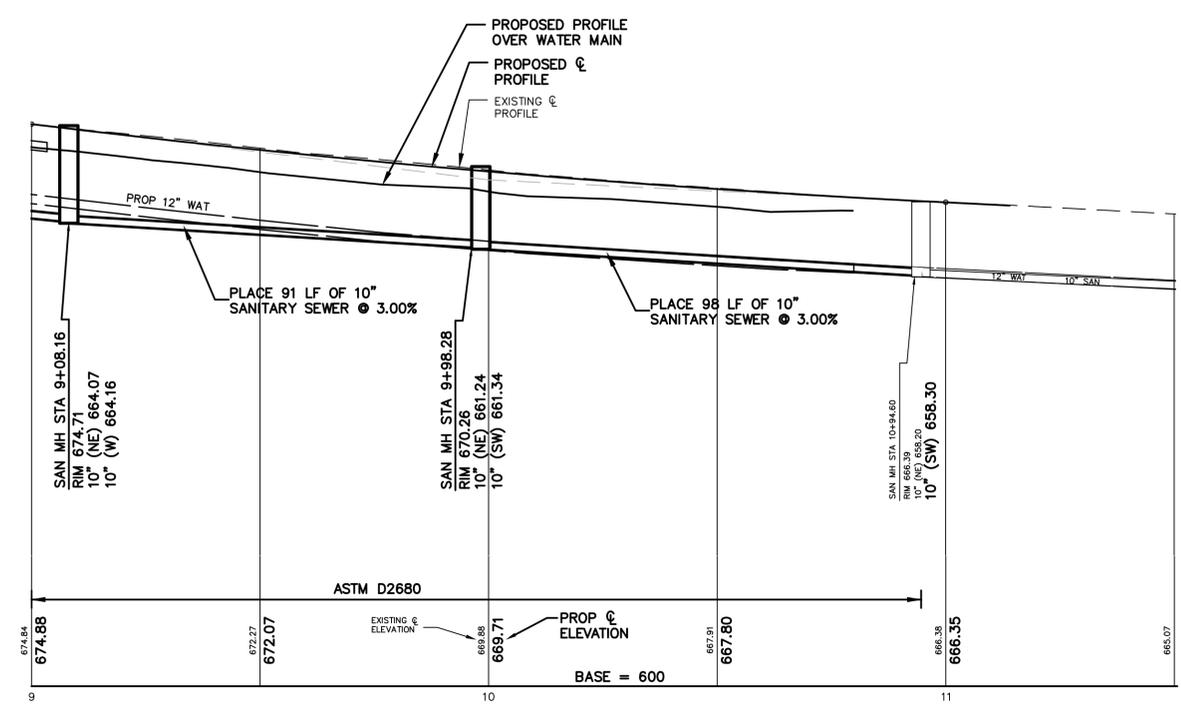
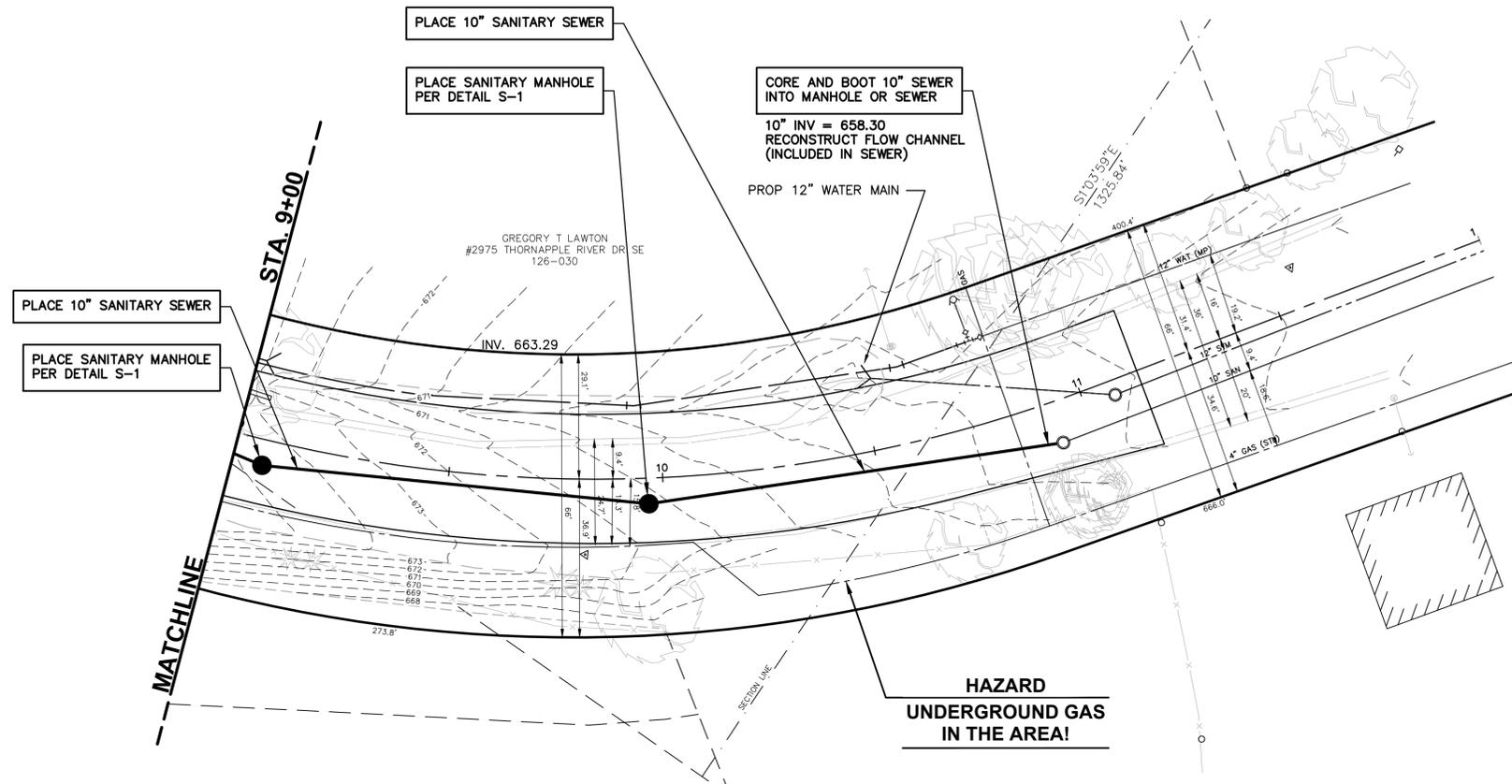
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

SANITARY LATERAL SCHEDULE

ADDRESS	LATERAL SIZE
2975 THORNAPPLE RIVER DR	6"

SANITARY SEWER GENERAL NOTES

1. SANITARY SEWER CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARD CONSTRUCTION SPECIFICATIONS OF THE CITY OF GRAND RAPIDS, 1993 EDITION, AND ALL REVISIONS THEREOF.
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4. AT NO TIME SHALL CONTRACTOR WORK OUTSIDE RIGHT OF WAY UNLESS GRADING PERMITS HAVE BEEN OBTAINED.



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 Grand Rapids, Michigan 49546
 phone (616)575-3824, fax (616)464-3996
 engineers • scientists • architects • constructors

City of Grand Rapids
 Design, Development and Enterprise Services
 Engineering Department

**SANITARY SEWER
 IN
 THORNAPPLE
 RIVER DRIVE
 FROM 400' EAST OF MAHESH DR.
 TO
 900' SOUTHWEST OF CASCADE RD.**

Drawn by <u>MLB</u>	GPF No.	Sheet No.
Check: Field _____	5436	4 of 21
Check: Office _____		

PLOT INFO: Z:\2015\150788CD\CAD\02-04_150788CD_SAN.DWG LAYOUT: 04 DATE: 8/17/2016 TIME: 2:49:37 PM USER: RNL

BENCHMARK
 BENCH MARK A ELEVATION: 706.55
 MAG NAIL IN SOUTH SIDE OF 18" AND TWIN
 8" TREES, NORTH SIDE OF THORNAPPLE RIVER
 DRIVE, WEST OF DRIVE TO HOUSE #3003



SCALES
 PLAN: 1"=20'
 PROFILE: 1"=20'
 VERT. 1"=10'

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

A TESTING LIMITS

WATER TAP SCHEDULE

ADDRESS	TAP SIZE
2992 THORNAPPLE RIVER DR	1"
3003 THORNAPPLE RIVER DR	1"
3010 THORNAPPLE RIVER DR	1"
3021 THORNAPPLE RIVER DR	1"
3024 THORNAPPLE RIVER DR	1"
3032 THORNAPPLE RIVER DR	1"
3042 THORNAPPLE RIVER DR	1"

WATER MAIN GENERAL NOTES

1. WATER MAIN CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARD CONSTRUCTION SPECIFICATIONS OF THE CITY OF GRAND RAPIDS, 1993 EDITION, AND ALL REVISIONS THEREOF, UNLESS OTHERWISE SPECIFIED.
2. DEPTH OF THE PROPOSED WATER MAIN SHALL BE 5'-9" FROM ROAD CENTERLINE GRADE TO CENTERLINE OF PIPE OR HAVE A MINIMUM OF 5'-0" OF COVER TO THE TOP OF THE PIPE UNLESS OTHERWISE SPECIFIED. AVOID ELEVATION CONFLICTS WITH EXISTING AND PROPOSED UTILITIES. CONTRACTOR MAY BE REQUIRED TO PLACE WATER MAIN DEEPER THAN 5'-9".
3. ALL PIPE TO HAVE NECESSARY JOINT RESTRAINTS PER SECTION 19.03.16 OF THE STANDARD CONSTRUCTION SPECIFICATIONS OF THE CITY OF GRAND RAPIDS, INCLUDING TABLE IV AND DETAIL W-15 UNLESS OTHERWISE NOTED.
4. MAINTAIN 18" VERTICAL SEPARATION BETWEEN WATER MAIN AND ALL SEWERS UNLESS OTHERWISE NOTED.
5. MAINTAIN 5'-0" MINIMUM COVER ON ALL WATER SERVICES UNLESS OTHERWISE NOTED.
6. ALL 1" SERVICES SHALL HAVE A VADLE™ CURB BOX LOCK INSTALLED WITH THE CURB BOX.
7. COORDINATE SHUTDOWN OF WATER MAIN WITH GRAND RAPIDS WATER FIELD OPERATIONS (456-4096) PROVIDE 48 HOUR NOTICE TO GRAND RAPIDS WATER OF NEEDED SHUTDOWN OF WATER MAIN.

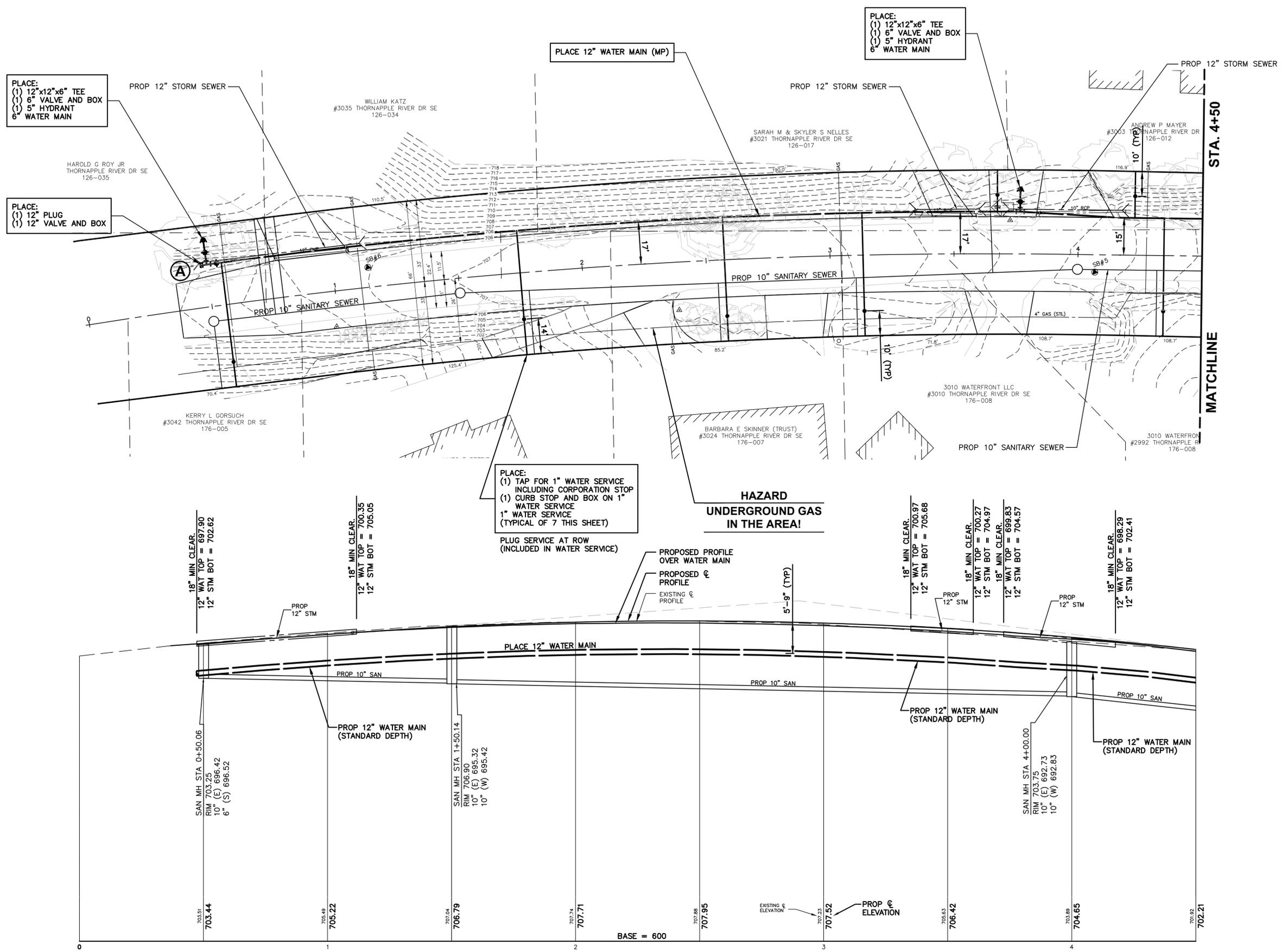
REV. NO.	DESCRIPTION

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 Grand Rapids, Michigan 49546
 phone (616)575-3824, fax (616)464-3996
 engineers • scientists • architects • constructors

City of Grand Rapids
 Design, Development and Enterprise Services
 Engineering Department

**WATER MAIN
 IN
 THORNAPPLE
 RIVER DRIVE
 FROM 400' EAST OF MAHESH DR.
 TO
 900' SOUTHWEST OF CASCADE RD.**

Drawn by MLB GPF No. 5436 Sheet No. 5 of 21
 Check: Field _____
 Check: Office _____



PLOT INFO: Z:\2015\150788CD\CAD\05-08_150788CD_WAT.DWG LAYOUT: 05 DATE: 8/15/2016 TIME: 3:43:02 PM USER: RNL

BENCHMARK
 BENCH MARK A ELEVATION: 706.55
 MAG NAIL IN SOUTH SIDE OF 18" AND TWIN
 8" TREES, NORTH SIDE OF THORNAPPLE RIVER
 DRIVE, WEST OF DRIVE TO HOUSE #3003



SCALES
 PLAN: 1"=20'
 PROFILE: 1"=20'
 HORZ. 1"=20'
 VERT. 1"=10'

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

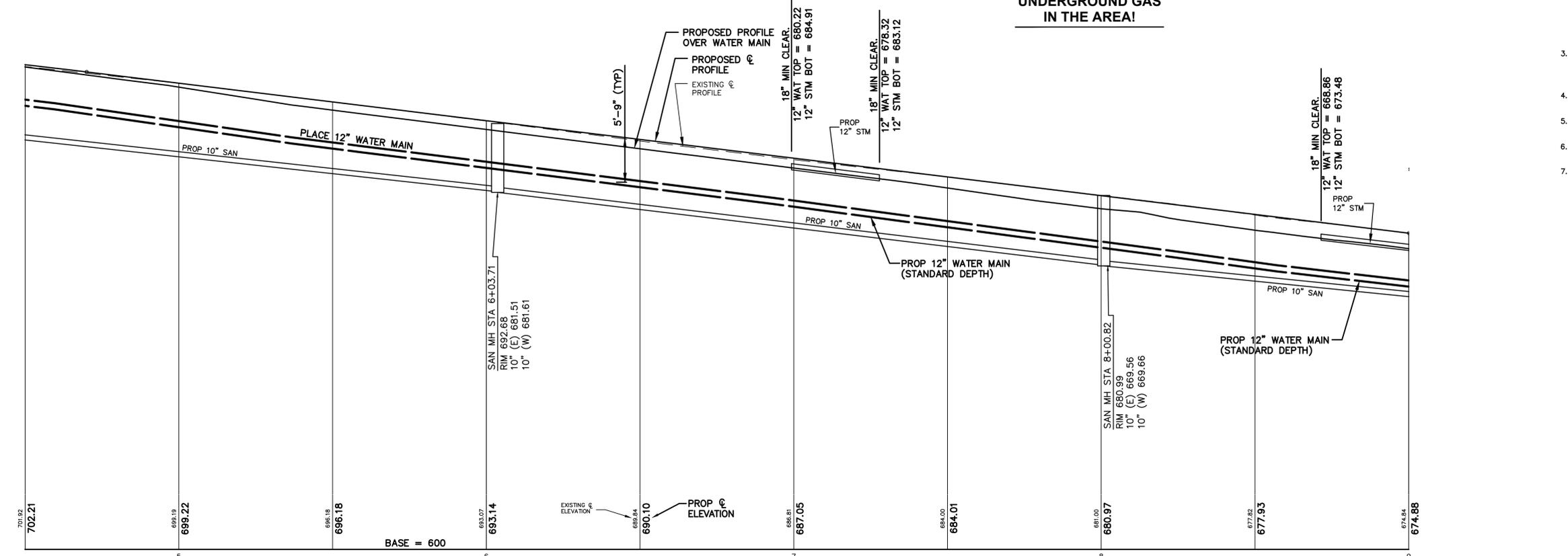
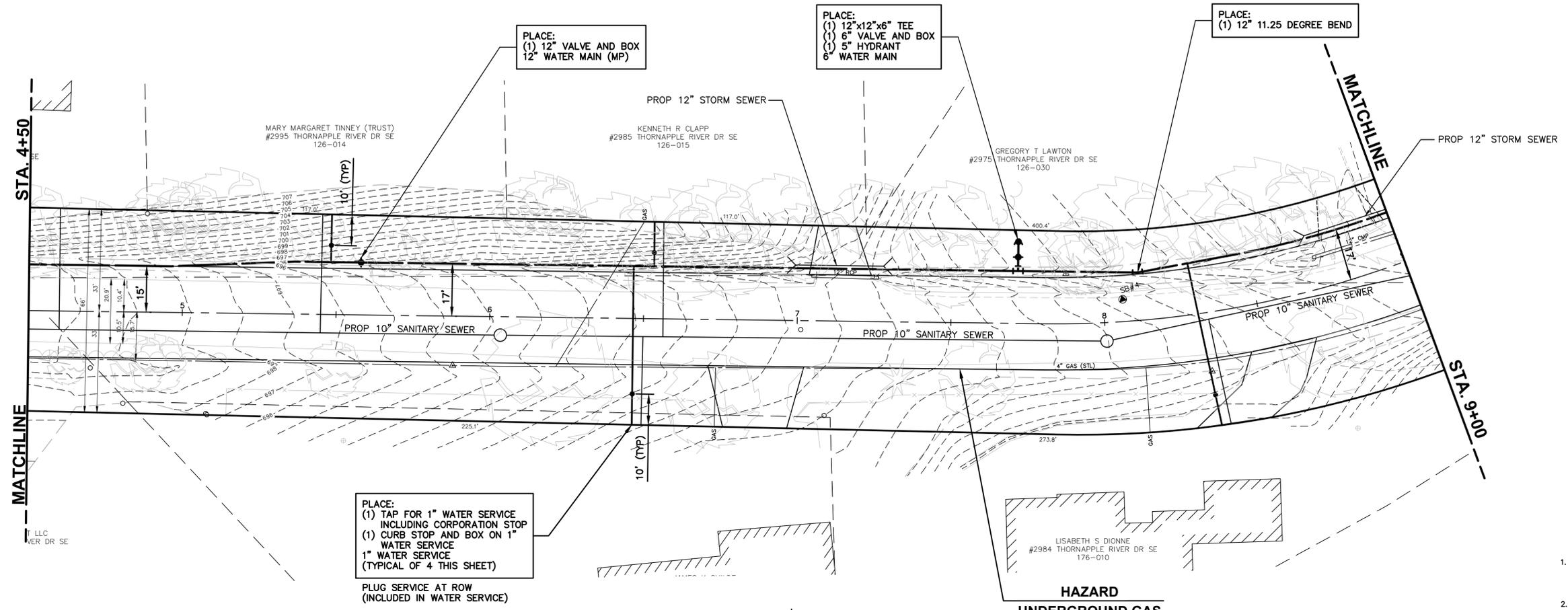


WATER TAP SCHEDULE

ADDRESS	TAP SIZE
2984 THORNAPPLE RIVER DR	1"
2985 THORNAPPLE RIVER DR	1"
2986 THORNAPPLE RIVER DR	1"
2995 THORNAPPLE RIVER DR	1"

WATER MAIN GENERAL NOTES

1. WATER MAIN CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARD CONSTRUCTION SPECIFICATIONS OF THE CITY OF GRAND RAPIDS, 1993 EDITION, AND ALL REVISIONS THEREOF, UNLESS OTHERWISE SPECIFIED.
2. DEPTH OF THE PROPOSED WATER MAIN SHALL BE 5'-9" FROM ROAD CENTERLINE GRADE TO CENTERLINE OF PIPE OR HAVE A MINIMUM OF 5'-0" OF COVER TO THE TOP OF THE PIPE UNLESS OTHERWISE SPECIFIED. AVOID ELEVATION CONFLICTS WITH EXISTING AND PROPOSED UTILITIES. CONTRACTOR MAY BE REQUIRED TO PLACE WATER MAIN DEEPER THAN 5'-9".
3. ALL PIPE TO HAVE NECESSARY JOINT RESTRAINTS PER SECTION 19.03.16 OF THE STANDARD CONSTRUCTION SPECIFICATIONS OF THE CITY OF GRAND RAPIDS, INCLUDING TABLE IV AND DETAIL W-15 UNLESS OTHERWISE NOTED.
4. MAINTAIN 18" VERTICAL SEPARATION BETWEEN WATER MAIN AND ALL SEWERS UNLESS OTHERWISE NOTED.
5. MAINTAIN 5'-0" MINIMUM COVER ON ALL WATER SERVICES UNLESS OTHERWISE NOTED.
6. ALL 1" SERVICES SHALL HAVE A VADLE™ CURB BOX LOCK INSTALLED WITH THE CURB BOX.
7. COORDINATE SHUTDOWN OF WATER MAIN WITH GRAND RAPIDS WATER FIELD OPERATIONS (456-4096) PROVIDE 48 HOUR NOTICE TO GRAND RAPIDS WATER OF NEEDED SHUTDOWN OF WATER MAIN.



REV. NO.	DESCRIPTION

DESIGNED & SURVEYED BY: fishbeck, thompson, carr & huber, inc.
 1515 Arboretum Dr. SE
 Grand Rapids, Michigan 49546
 phone (616)575-3824, fax (616)464-3996
 engineers • scientists • architects • constructors

City of Grand Rapids
 Design, Development and Enterprise Services
 Engineering Department

**WATER MAIN
 IN
 THORNAPPLE
 RIVER DRIVE
 FROM 400' EAST OF MAHESH DR.
 TO
 900' SOUTHWEST OF CASCADE RD.**

Drawn by MLB GPF No. 5436 Sheet No. 6 of 21
 Check: Field _____
 Check: Office _____

PLOT INFO: Z:\2015\150788CD\CAD\05-08_150788CD_WAT.DWG LAYOUT: 06 DATE: 8/15/2016 TIME: 3:43:10 PM USER: RML

BENCHMARK
 BENCH MARK A ELEVATION: 706.55
 MAG NAIL IN SOUTH SIDE OF 18" AND TWIN
 8" TREES, NORTH SIDE OF THORNAPPLE RIVER
 DRIVE, WEST OF DRIVE TO HOUSE #3003



SCALES
 PLAN: 1"=20'
 PROFILE: 1"=20'
 HORIZ. 1"=20'
 VERT. 1"=10'

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

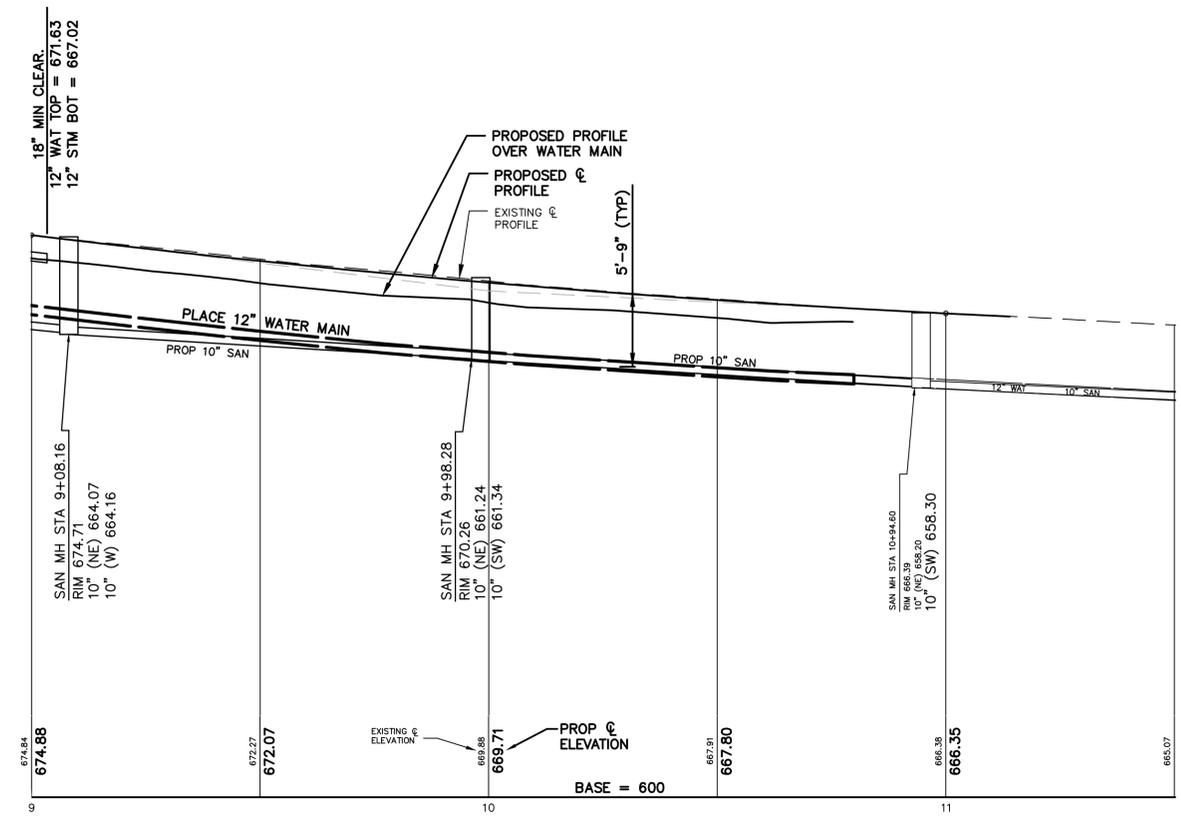
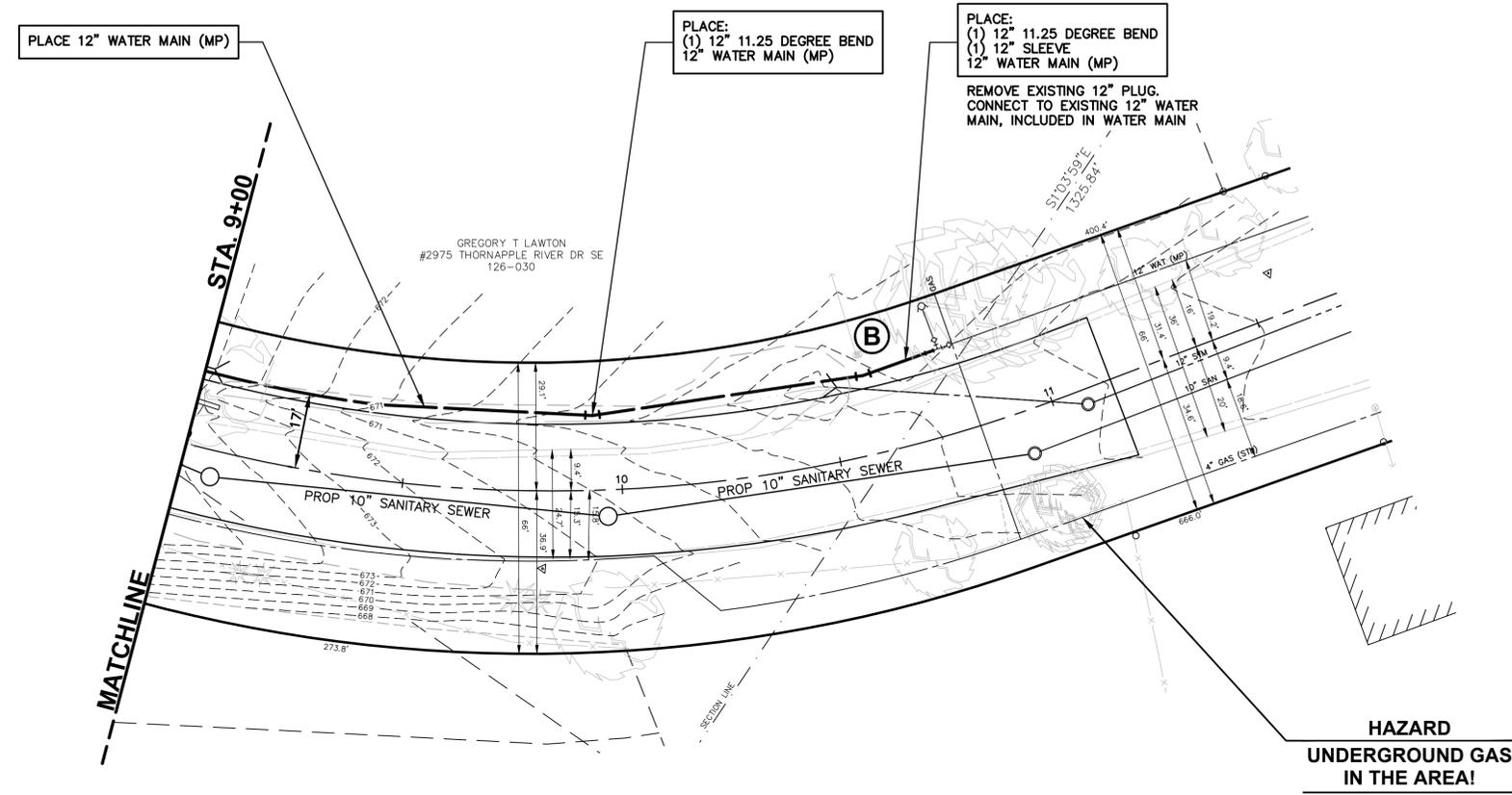
(A) TESTING LIMITS

WATER TAP SCHEDULE

ADDRESS	TAP SIZE
2975 THORNAPPLE RIVER DR	1"

WATER MAIN GENERAL NOTES

1. WATER MAIN CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARD CONSTRUCTION SPECIFICATIONS OF THE CITY OF GRAND RAPIDS, 1993 EDITION, AND ALL REVISIONS THEREOF, UNLESS OTHERWISE SPECIFIED.
2. DEPTH OF THE PROPOSED WATER MAIN SHALL BE 5'-9" FROM ROAD CENTERLINE GRADE TO CENTERLINE OF PIPE OR HAVE A MINIMUM OF 5'-0" OF COVER TO THE TOP OF THE PIPE UNLESS OTHERWISE SPECIFIED. AVOID ELEVATION CONFLICTS WITH EXISTING AND PROPOSED UTILITIES. CONTRACTOR MAY BE REQUIRED TO PLACE WATER MAIN DEEPER THAN 5'-9".
3. ALL PIPE TO HAVE NECESSARY JOINT RESTRAINTS PER SECTION 19.03.16 OF THE STANDARD CONSTRUCTION SPECIFICATIONS OF THE CITY OF GRAND RAPIDS, INCLUDING TABLE IV AND DETAIL W-15 UNLESS OTHERWISE NOTED.
4. MAINTAIN 18" VERTICAL SEPARATION BETWEEN WATER MAIN AND ALL SEWERS UNLESS OTHERWISE NOTED.
5. MAINTAIN 5'-0" MINIMUM COVER ON ALL WATER SERVICES UNLESS OTHERWISE NOTED.
6. ALL 1" SERVICES SHALL HAVE A VADLE™ CURB BOX LOCK INSTALLED WITH THE CURB BOX.
7. COORDINATE SHUTDOWN OF WATER MAIN WITH GRAND RAPIDS WATER FIELD OPERATIONS (456-4096) PROVIDE 48 HOUR NOTICE TO GRAND RAPIDS WATER OF NEEDED SHUTDOWN OF WATER MAIN.



REV. NO.	DESCRIPTION

DESIGNED & SURVEYED BY: fishbeck, thompson, carr & huber, inc.
 1515 Arboretum Dr. SE
 Grand Rapids, Michigan 49546
 phone (616)575-3824, fax (616)464-3996
 engineers • scientists • architects • constructors

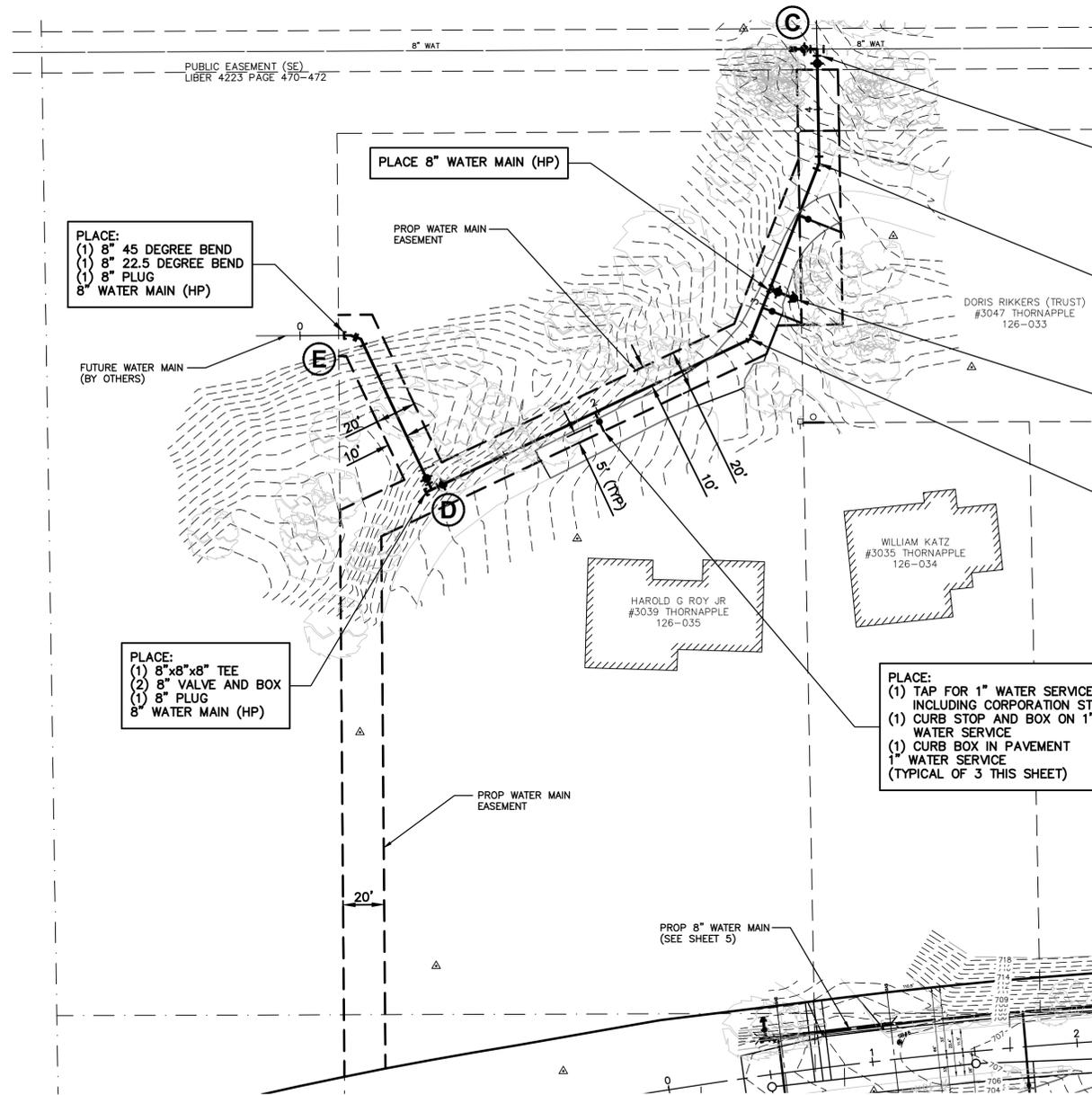
City of Grand Rapids
 Design, Development and Enterprise Services
 Engineering Department

**WATER MAIN
 IN
 THORNAPPLE
 RIVER DRIVE
 FROM 400' EAST OF MAHESH DR.
 TO
 900' SOUTHWEST OF CASCADE RD.**

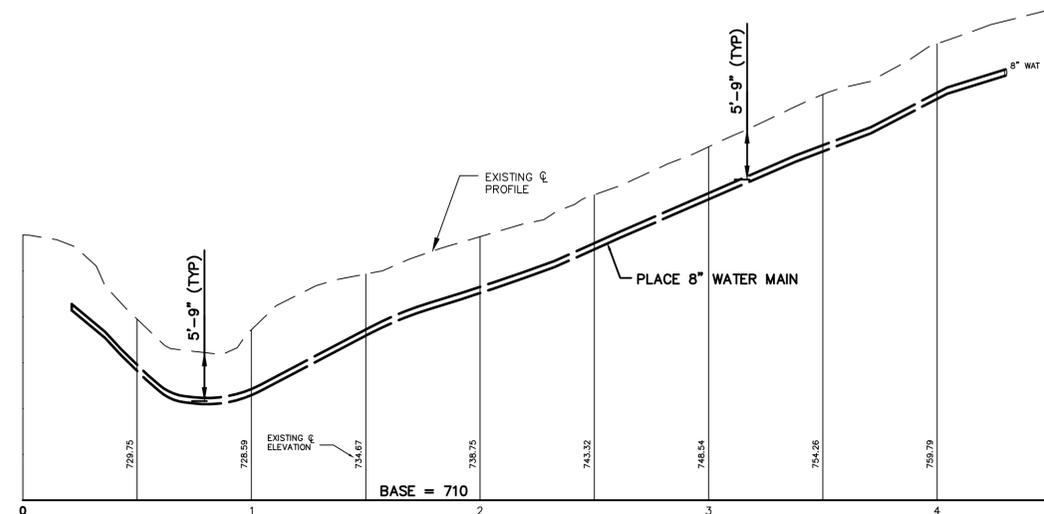
Drawn by <u>MLB</u>	GPF No.	Sheet No.
Check: Field _____	5436	7 of 21
Check: Office _____		

PLOT INFO: Z:\2015\150788CD\CAD\05-08-150788CD_WAT.DWG LAYOUT: 07 DATE: 8/17/2016 TIME: 2:49:27 PM USER: RNL

PLOT INFO: Z:\2015\15078BCD\CAD\CD\05-08-15078BCD_WAT.DWG LAYOUT: 08 DATE: 8/18/2016 TIME: 11:06:51 AM USER: RML



THORNAPPLE RIVER DR.



BENCHMARK
 BENCH MARK A ELEVATION: 706.55
 MAG NAIL IN SOUTH SIDE OF 18" AND TWIN
 8" TREES, NORTH SIDE OF THORNAPPLE RIVER
 DRIVE, WEST OF DRIVE TO HOUSE #3003



SCALES
 PLAN: 1"=40'
 PROFILE: 1"=20'
 VERT. 1"=10'

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

(A) TESTING LIMITS

WATER TAP SCHEDULE

ADDRESS	TAP SIZE
3035 THORNAPPLE RIVER DR	1"
3039 THORNAPPLE RIVER DR	1"
3047 THORNAPPLE RIVER DR	1"

WATER MAIN GENERAL NOTES

1. WATER MAIN CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE STANDARD CONSTRUCTION SPECIFICATIONS OF THE CITY OF GRAND RAPIDS, 1993 EDITION, AND ALL REVISIONS THEREOF, UNLESS OTHERWISE SPECIFIED.
2. DEPTH OF THE PROPOSED WATER MAIN SHALL BE 5'-9" FROM ROAD CENTERLINE GRADE TO CENTERLINE OF PIPE OR HAVE A MINIMUM OF 5'-0" OF COVER TO THE TOP OF THE PIPE UNLESS OTHERWISE SPECIFIED. AVOID ELEVATION CONFLICTS WITH EXISTING AND PROPOSED UTILITIES. CONTRACTOR MAY BE REQUIRED TO PLACE WATER MAIN DEEPER THAN 5'-9".
3. ALL PIPE TO HAVE NECESSARY JOINT RESTRAINTS PER SECTION 19.03.16 OF THE STANDARD CONSTRUCTION SPECIFICATIONS OF THE CITY OF GRAND RAPIDS, INCLUDING TABLE IV AND DETAIL W-15 UNLESS OTHERWISE NOTED.
4. MAINTAIN 18" VERTICAL SEPARATION BETWEEN WATER MAIN AND ALL SEWERS UNLESS OTHERWISE NOTED.
5. MAINTAIN 5'-0" MINIMUM COVER ON ALL WATER SERVICES UNLESS OTHERWISE NOTED.
6. ALL 1" SERVICES SHALL HAVE A VADLE™ CURB BOX LOCK INSTALLED WITH THE CURB BOX.
7. COORDINATE SHUTDOWN OF WATER MAIN WITH GRAND RAPIDS WATER FIELD OPERATIONS (456-4096) PROVIDE 48 HOUR NOTICE TO GRAND RAPIDS WATER OF NEEDED SHUTDOWN OF WATER MAIN.

REV. NO.	DESCRIPTION

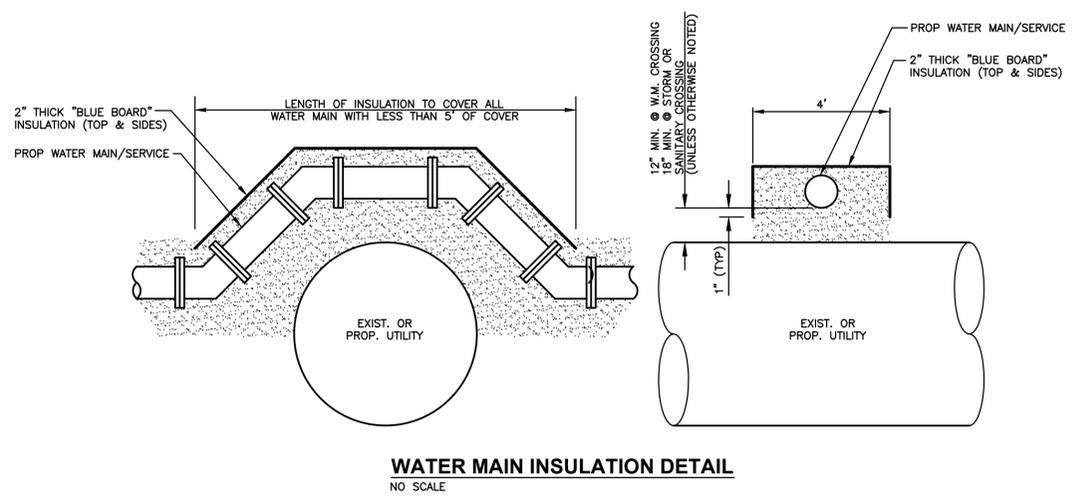
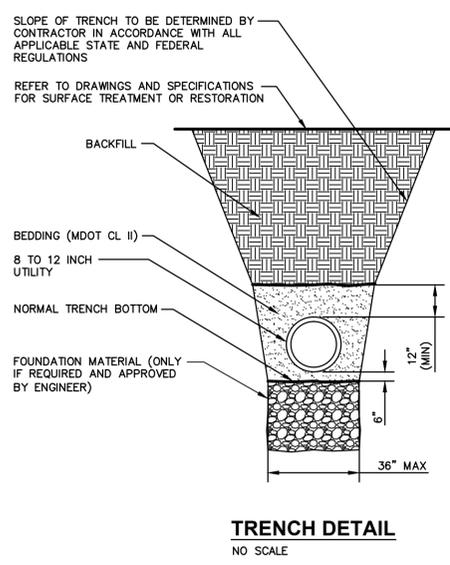
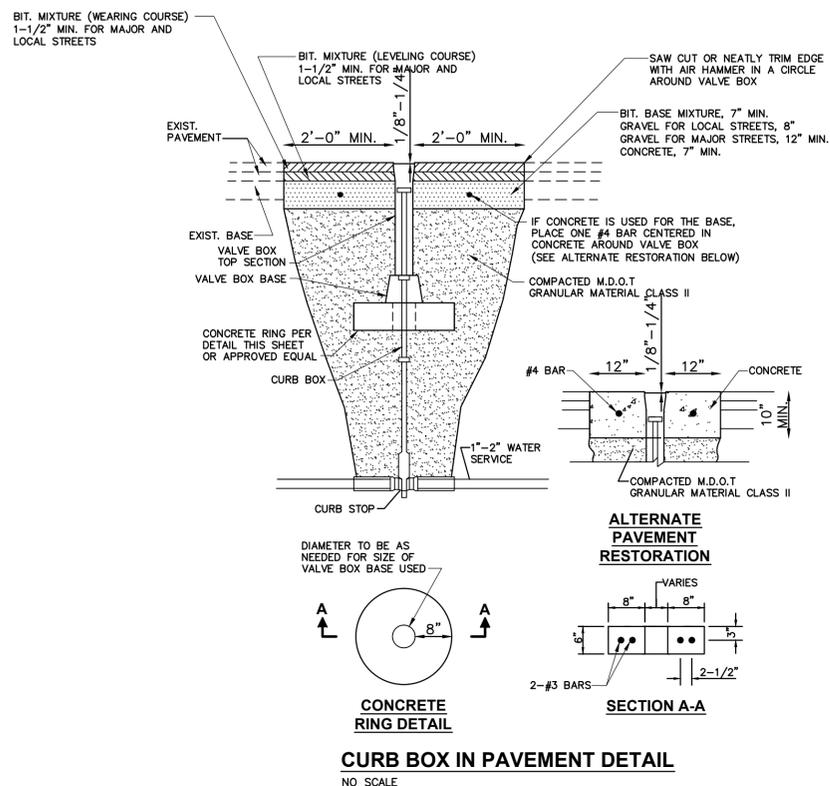
DESIGNED & SURVEYED BY: fishbeck, thompson, carr & huber, inc.
 1515 Arboretum Dr. SE
 Grand Rapids, Michigan 49546
 phone (616)575-3824, fax (616)464-3996
 engineers • scientists • architects • constructors

City of Grand Rapids
 Design, Development and Enterprise Services
 Engineering Department

**WATER MAIN
 IN
 PUBLIC EASEMENT (SE)
 FROM 390' N OF THORNAPPLE RIVER DR
 AT 105' E. OF MAHESH DR.
 TO 320' NE'LY**

Drawn by <u>MLB</u>	GPF No.	Sheet No.
Check: Field _____	5436	8 of 21
Check: Office _____		

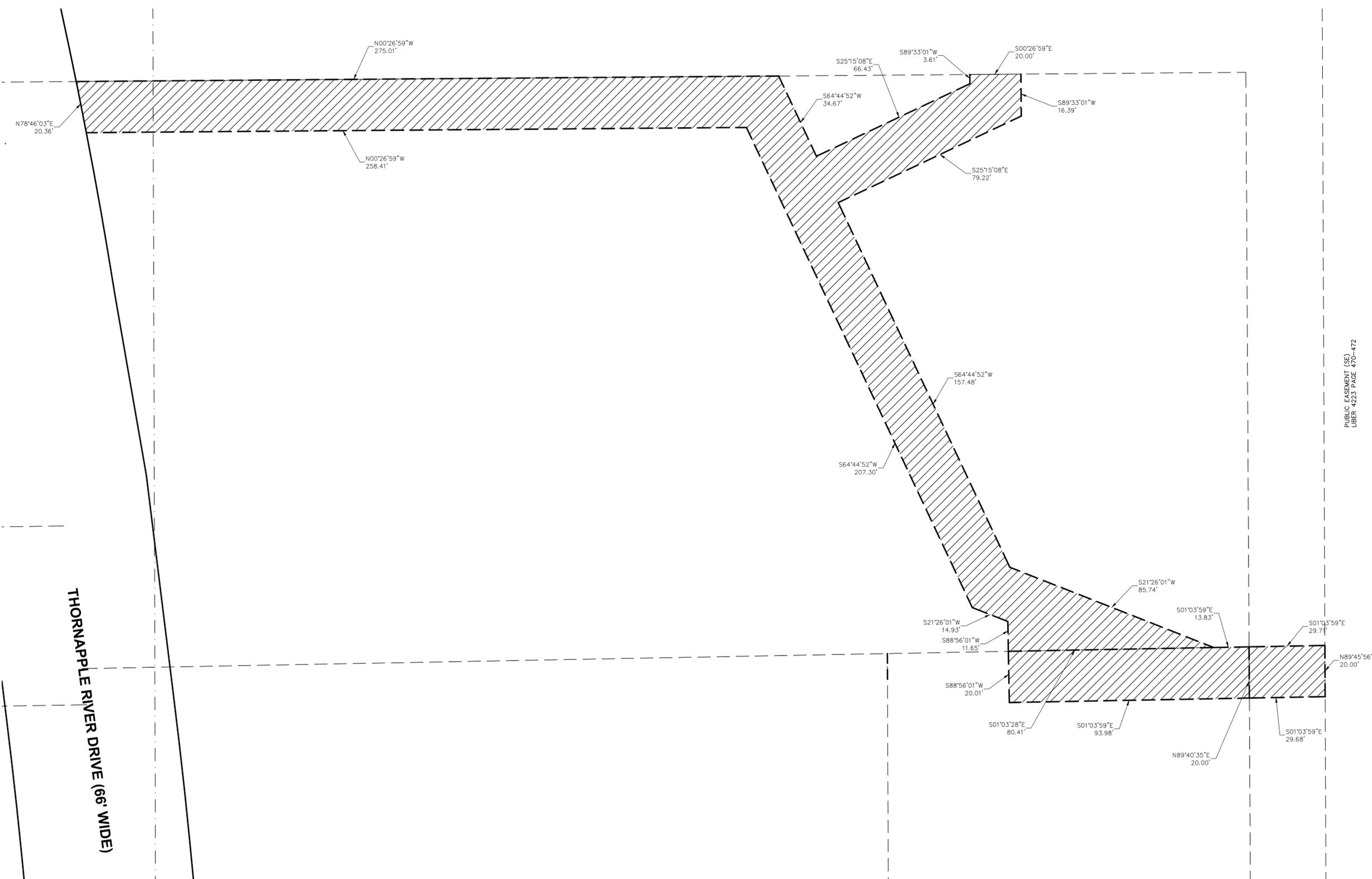
PLOT INFO: Z:\2015\150786CD\CAD\CD_09_150786CD_DETAILS.DWG LAYOUT: 09 DATE: 8/15/2016 TIME: 3:43:57 PM USER: RML



DETAILS	
REV. NO.	DESCRIPTION
DESIGNED & SURVEYED BY:	fishbeck, thompson, carr & huber, inc. 1515 Arboretum Dr. SE Grand Rapids, Michigan 49546 phone (616)575-3824, fax (616)464-3996 engineers • scientists • architects • constructors
City of Grand Rapids Design, Development and Enterprise Services Engineering Department	
SANITARY SEWER AND WATER MAIN IN THORNAPPLE RIVER DRIVE AND WATER MAIN IN PUBLIC EASEMENT (SE) (THORNAPPLE RIVER DRIVE UTILITY EXTENSION)	
Drawn by <u>MLB</u>	GPF No. <u>5436</u>
Check: Field _____	Sheet No. <u>9</u> of <u>21</u>
Check: Office _____	



SCALES
PLAN: 1"=20'

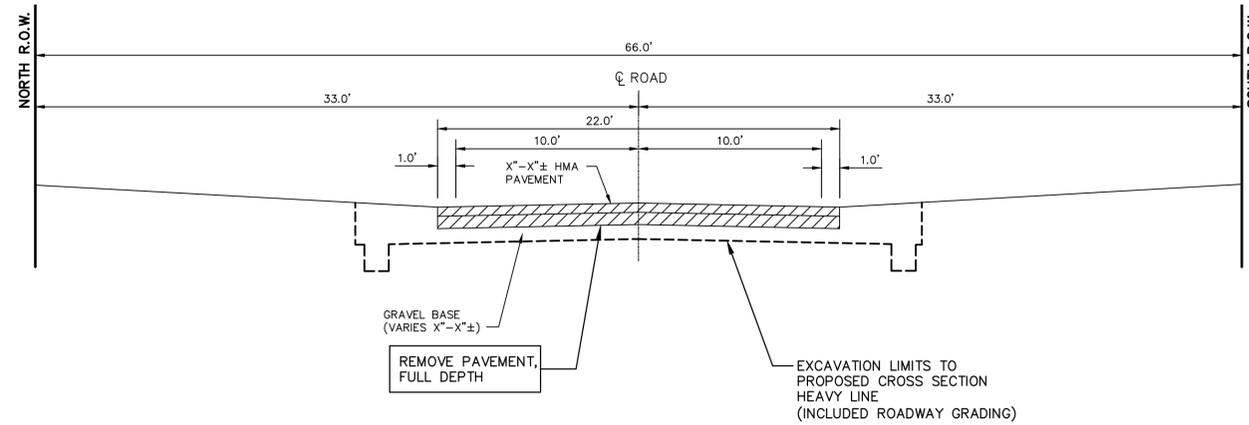


PUBLIC EASEMENT (SE)
LIBER 423 PAGE 476-472

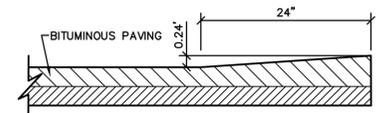
THORNAPPLE RIVER DRIVE (66' WIDE)

PLOT INFO: Z:\2015\150788CD\CAD\CD\10_150788CD_EASEMENT.DWG LAYOUT: 10 DATE: 8/15/2016 TIME: 3:44:25 PM USER: RML

REV. NO.	DESCRIPTION
	DESIGNED & SURVEYED BY: fishbeck, thompson, carr & huber, inc. 1515 Arboretum Dr. SE Grand Rapids, Michigan 49546 phone (616)575-3824, fax (616)464-3996 engineers • scientists • architects • constructors
	City of Grand Rapids Design, Development and Enterprise Services Engineering Department
EASEMENT DESCRIPTION FOR PUBLIC EASEMENT (SE) (THORNAPPLE RIVER DRIVE UTILITY EXTENSION)	
Drawn by <u>MLB</u>	GPF No. <u>5436</u>
Check: Field _____	Sheet No. <u>10</u> of <u>21</u>
Check: Office _____	



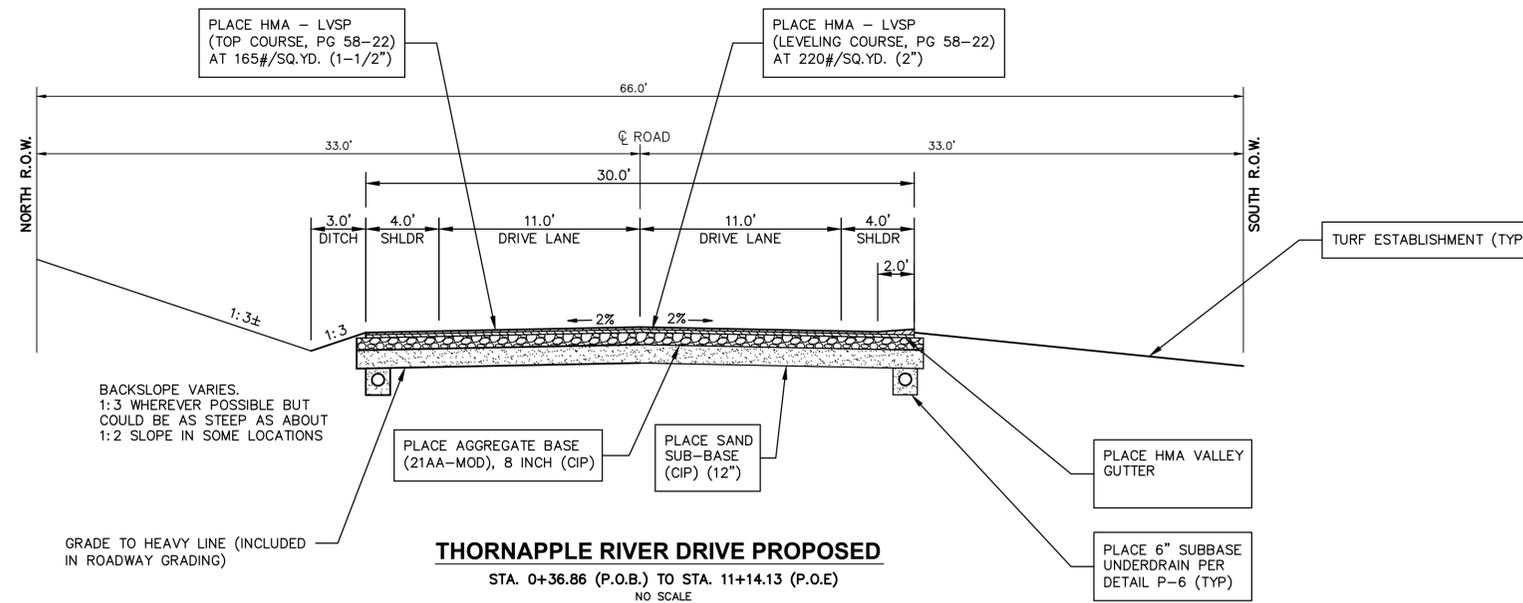
THORNAPPLE RIVER DRIVE EXISTING
 STA. 0+36.86 (P.O.B.) TO STA. 11+15 (P.O.E.)
 NO SCALE



BITUMINOUS VALLEY GUTTER
 NO SCALE

GENERAL NOTES

- CROSS-SECTIONS MAY VARY AT INTERSECTIONS.
- EXISTING PAVEMENT TYPES AND THICKNESS VARY. SEE SOIL BORING LOGS FOR MORE DETAIL.
- PRIOR TO PLACEMENT OF HMA PAVEMENT RESTORATION, IF THE ORIGINAL FULL DEPTH SAW CUT (TRIM) LINES ARE NOT NEAT AS DETERMINED BY THE ENGINEER, ADDITIONAL FULL DEPTH SAWCUTTING (TRIMMING) SHALL BE DONE BY THE CONTRACTOR AT NO ADDITIONAL COST.

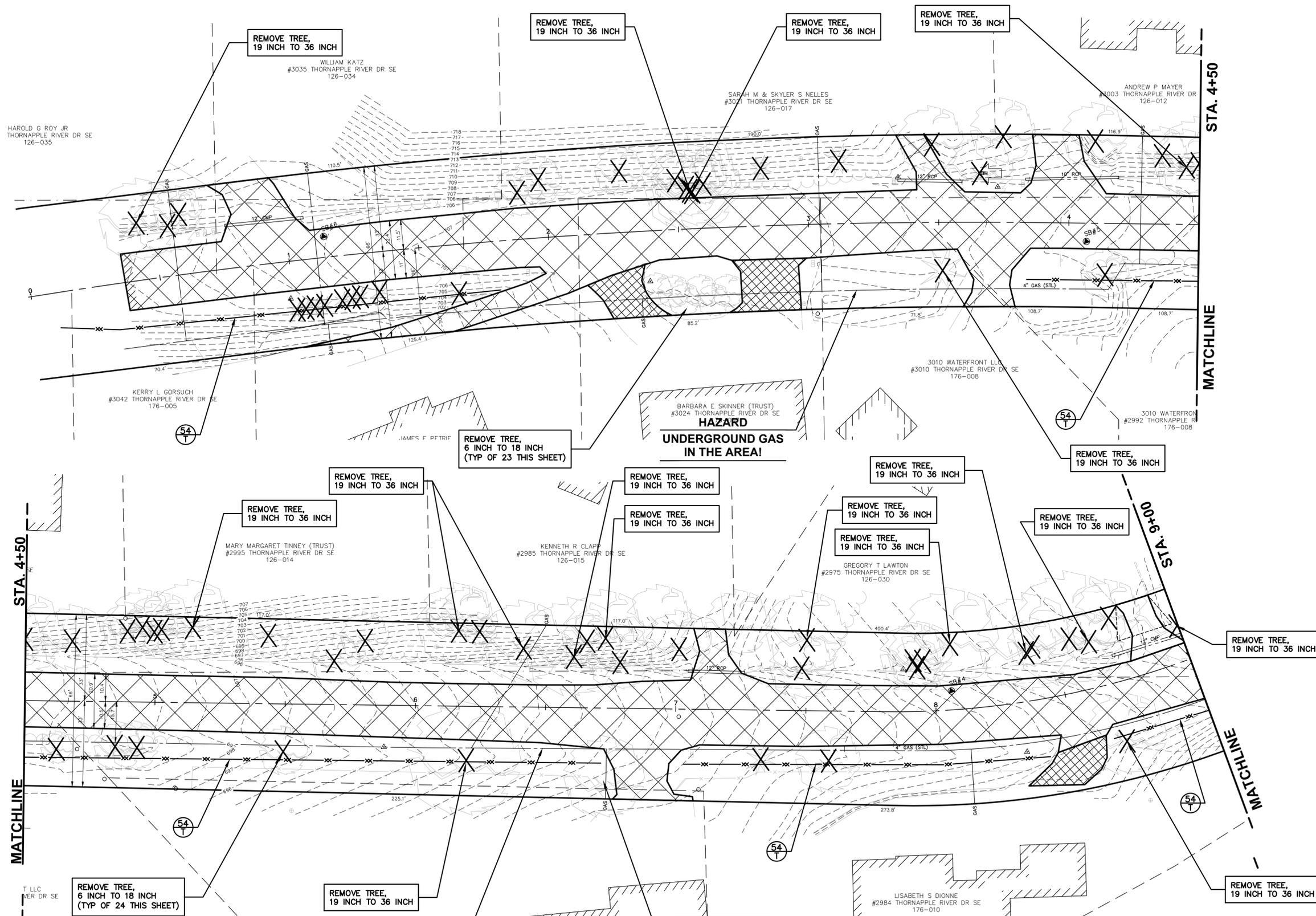


THORNAPPLE RIVER DRIVE PROPOSED
 STA. 0+36.86 (P.O.B.) TO STA. 11+14.13 (P.O.E.)
 NO SCALE

INFORMATION ONLY

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CROSS SECTIONS OF THORNAPPLE RIVER DRIVE	
FROM 400' EAST OF MAHESH DR. TO 900' SOUTHWEST OF CASCADE RD.	
Drawn by <u>MLB</u>	GPF No. <u>5436</u>
Check: Field _____	Sheet No. <u>11</u> of <u>21</u>
Check: Office _____	

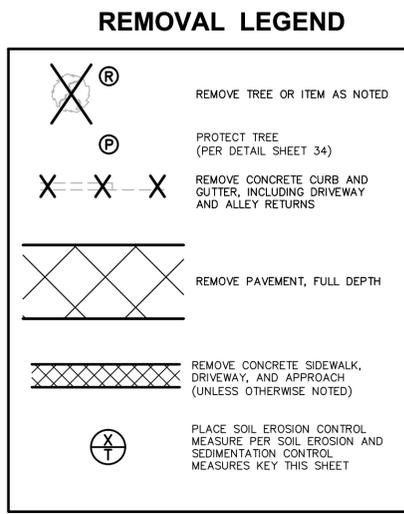
PLOT INFO: Z:\2015\150788CD\CAD\12-14_150788CD_REM.DWG LAYOUT: 12 DATE: 8/15/2016 TIME: 3:45:20 PM USER: RNL



BENCHMARK
 BENCH MARK A ELEVATION: 706.55
 MAG NAIL IN SOUTH SIDE OF 18" AND TWIN
 8" TREES, NORTH SIDE OF THORNAPPLE RIVER
 DRIVE, WEST OF DRIVE TO HOUSE #3003



SCALES
 PLAN: 1"=20'



- REMOVAL GENERAL NOTES**
- CONTRACTOR SHALL GIVE PROPERTY OWNERS AND RESIDENTS A MINIMUM OF 7 DAYS WRITTEN NOTICE TO SALVAGE PLANTS, ORNAMENTAL TREES AND DECORATIVE LANDSCAPING ITEMS, INCLUDING PAVERS AND BOLDERS, PLACED IN THE PARKWAY PRIOR TO ANY PARKWAY DISTURBING ACTIVITIES.
 - REMOVAL OF TREES SMALLER THAN 6 INCHES IN DIAMETER SHALL BE INCLUDED IN ROADWAY GRADING

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

REV. NO.	DESCRIPTION
DESIGNED & SURVEYED BY:	fishbeck, thompson, carr & huber, inc. 1515 Arboretum Dr. SE Grand Rapids, Michigan 49546 phone (616)575-3824, fax (616)464-3996 engineers • scientists • architects • constructors

REMOVALS AND SOIL EROSION AND SEDIMENTATION CONTROL OF THORNAPPLE RIVER DRIVE
 FROM 400' EAST OF MAHESH DR. TO 900' SOUTHWEST OF CASCADE RD.

Drawn by	MLB	GPF No.	Sheet No.
Check: Field		5436	12 of 21
Check: Office			

KEY	DETAIL	CHARACTERISTICS
54		Use geotextile and posts or poles. May be constructed or prepackaged. Easy to construct and locate as necessary.

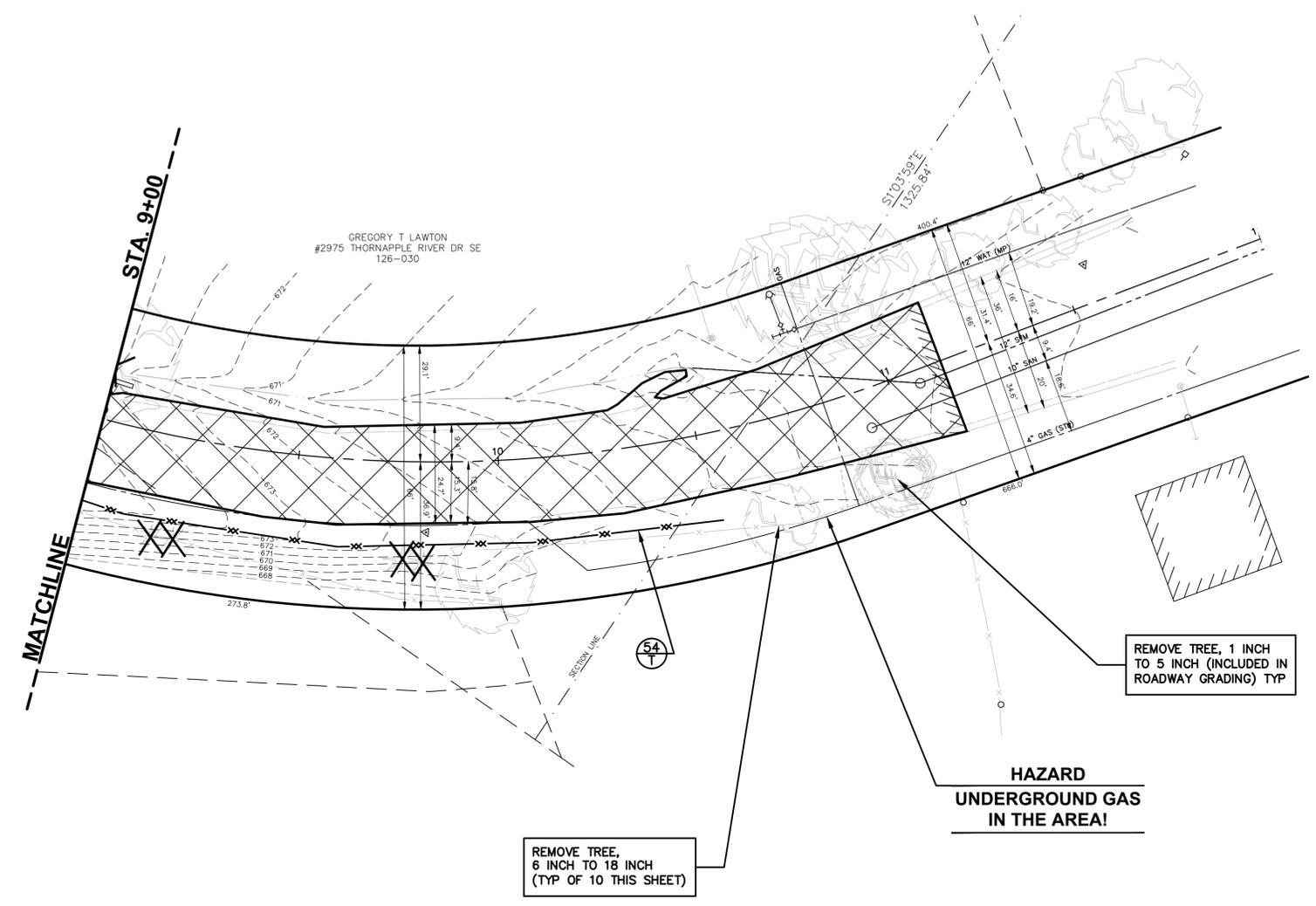
TEMPORARY MEASURE
 PERMANENT MEASURE
SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

INFORMATION ONLY

BENCHMARK
 BENCH MARK A ELEVATION: 706.55
 MAG NAIL IN SOUTH SIDE OF 18" AND TWIN
 8" TREES, NORTH SIDE OF THORNAPPLE RIVER
 DRIVE, WEST OF DRIVE TO HOUSE #3003



SCALES
 PLAN: 1"=20'



REMOVAL LEGEND

	REMOVE TREE OR ITEM AS NOTED
	PROTECT TREE (PER DETAIL SHEET 34)
	REMOVE CONCRETE CURB AND GUTTER, INCLUDING DRIVEWAY AND ALLEY RETURNS
	REMOVE PAVEMENT, FULL DEPTH
	REMOVE CONCRETE SIDEWALK, DRIVEWAY, AND APPROACH (UNLESS OTHERWISE NOTED)
	PLACE SOIL EROSION CONTROL MEASURE PER SOIL EROSION AND SEDIMENTATION CONTROL MEASURES KEY THIS SHEET

REMOVAL GENERAL NOTES

- CONTRACTOR SHALL GIVE PROPERTY OWNERS AND RESIDENTS A MINIMUM OF 7 DAYS WRITTEN NOTICE TO SALVAGE PLANTS, ORNAMENTAL TREES AND DECORATIVE LANDSCAPING ITEMS, INCLUDING PAVERS AND BOULDERS, PLACED IN THE PARKWAY PRIOR TO ANY PARKWAY DISTURBING ACTIVITIES.
- REMOVAL OF TREES SMALLER THAN 6 INCHES IN DIAMETER SHALL BE INCLUDED IN ROADWAY GRADING

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

REMOVE TREE,
 6 INCH TO 18 INCH
 (TYP OF 10 THIS SHEET)

REMOVE TREE, 1 INCH
 TO 5 INCH (INCLUDED IN
 ROADWAY GRADING) TYP

**HAZARD
 UNDERGROUND GAS
 IN THE AREA!**

KEY	DETAIL	CHARACTERISTICS
54		Use geotextile and posts or poles May be constructed or prepackaged Easy to construct and locate as necessary

TEMPORARY MEASURE
 PERMANENT MEASURE
**SOIL EROSION AND SEDIMENTATION
 CONTROL MEASURES**

INFORMATION ONLY

REV. NO.	DESCRIPTION

DESIGNED & SURVEYED BY: fishbeck, thompson, carr & huber, inc.
 1515 Arboretum Dr. SE
 Grand Rapids, Michigan 49546
 phone (616)575-3824, fax (616)464-3996
 engineers • scientists • architects • constructors

**REMOVALS AND SOIL
 EROSION AND
 SEDIMENTATION CONTROL
 OF
 THORNAPPLE
 RIVER DRIVE**
 FROM 400' EAST OF MAHESH DR.
 TO
 900' SOUTHWEST OF CASCADE RD.

Drawn by <u>MLB</u>	GPF No.	Sheet No.
Check: Field _____	5436	13 of 21
Check: Office _____		

BENCHMARK
 BENCH MARK A ELEVATION: 706.55
 MAG NAIL IN SOUTH SIDE OF 18" AND TWIN
 8" TREES, NORTH SIDE OF THORNAPPLE RIVER
 DRIVE, WEST OF DRIVE TO HOUSE #3003



SCALES
 PLAN: 1"=20'

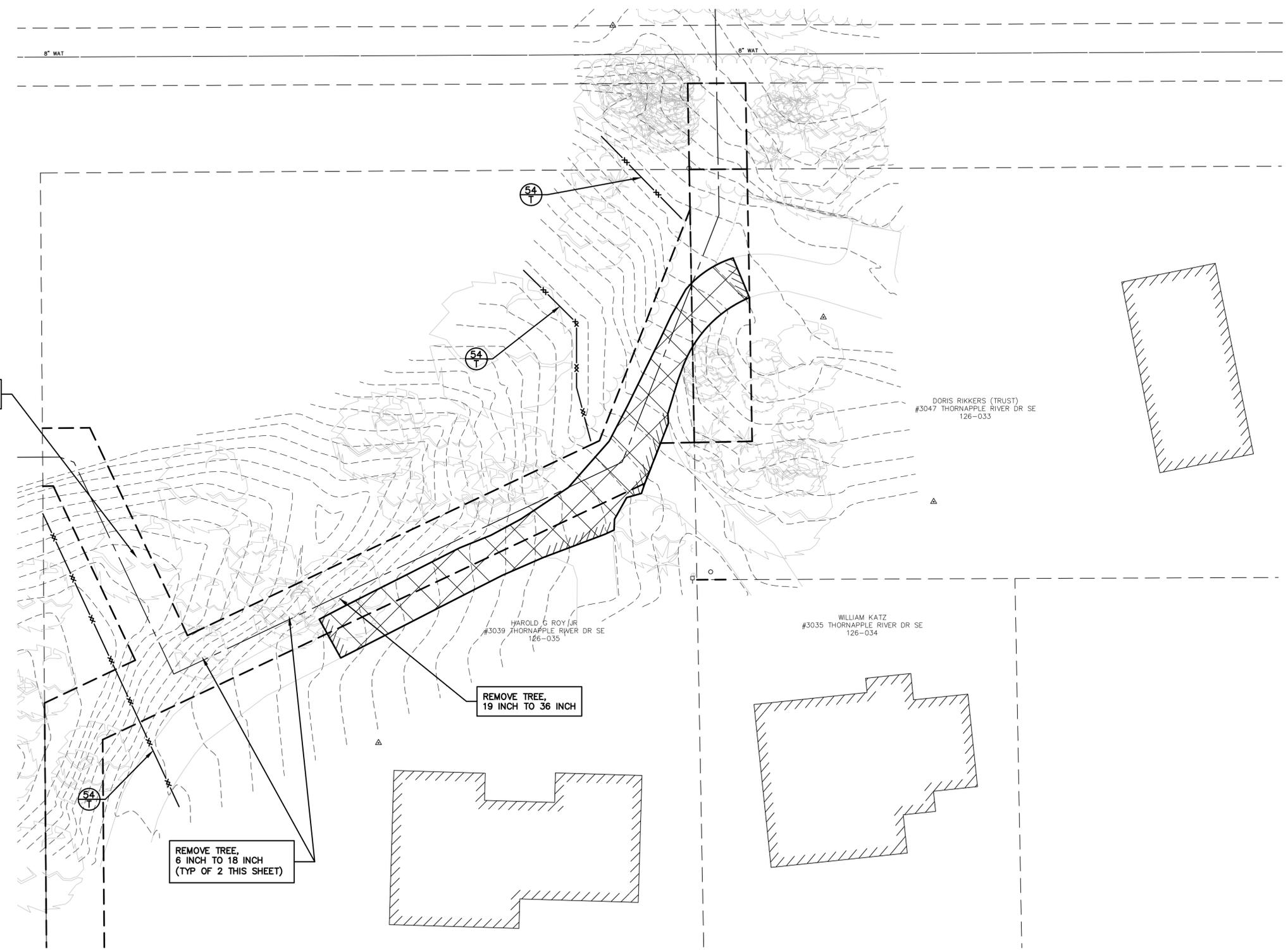
REMOVAL LEGEND

	REMOVE TREE OR ITEM AS NOTED
	PROTECT TREE (PER DETAIL SHEET 34)
	REMOVE CONCRETE CURB AND GUTTER, INCLUDING DRIVEWAY AND ALLEY RETURNS
	REMOVE PAVEMENT, FULL DEPTH
	REMOVE CONCRETE SIDEWALK, DRIVEWAY, AND APPROACH (UNLESS OTHERWISE NOTED)
	PLACE SOIL EROSION CONTROL MEASURE PER SOIL EROSION AND SEDIMENTATION CONTROL MEASURES KEY THIS SHEET

REMOVAL GENERAL NOTES

- CONTRACTOR SHALL GIVE PROPERTY OWNERS AND RESIDENTS A MINIMUM OF 7 DAYS WRITTEN NOTICE TO SALVAGE PLANTS, ORNAMENTAL TREES AND DECORATIVE LANDSCAPING ITEMS, INCLUDING PAVERS AND BOULDERS, PLACED IN THE PARKWAY PRIOR TO ANY PARKWAY DISTURBING ACTIVITIES.
- REMOVAL OF TREES SMALLER THAN 6 INCHES IN DIAMETER SHALL BE INCLUDED IN ROADWAY GRADING

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.



REMOVE TREE,
19 INCH TO 36 INCH

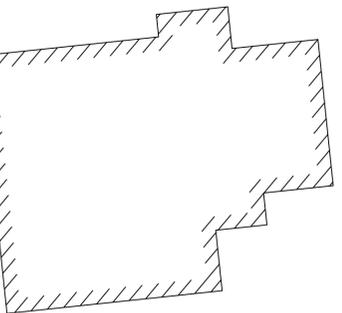
REMOVE TREE,
19 INCH TO 36 INCH

REMOVE TREE,
6 INCH TO 18 INCH
(TYP OF 2 THIS SHEET)

HAROLD G ROY, JR
#3039 THORNAPPLE RIVER DR SE
126-035

WILLIAM KATZ
#3035 THORNAPPLE RIVER DR SE
126-034

DORIS RIKKERS (TRUST)
#3047 THORNAPPLE RIVER DR SE
126-033



KEY	DETAIL	CHARACTERISTICS
54		Use geotextile and posts or poles May be constructed or prepackaged Easy to construct and locate as necessary

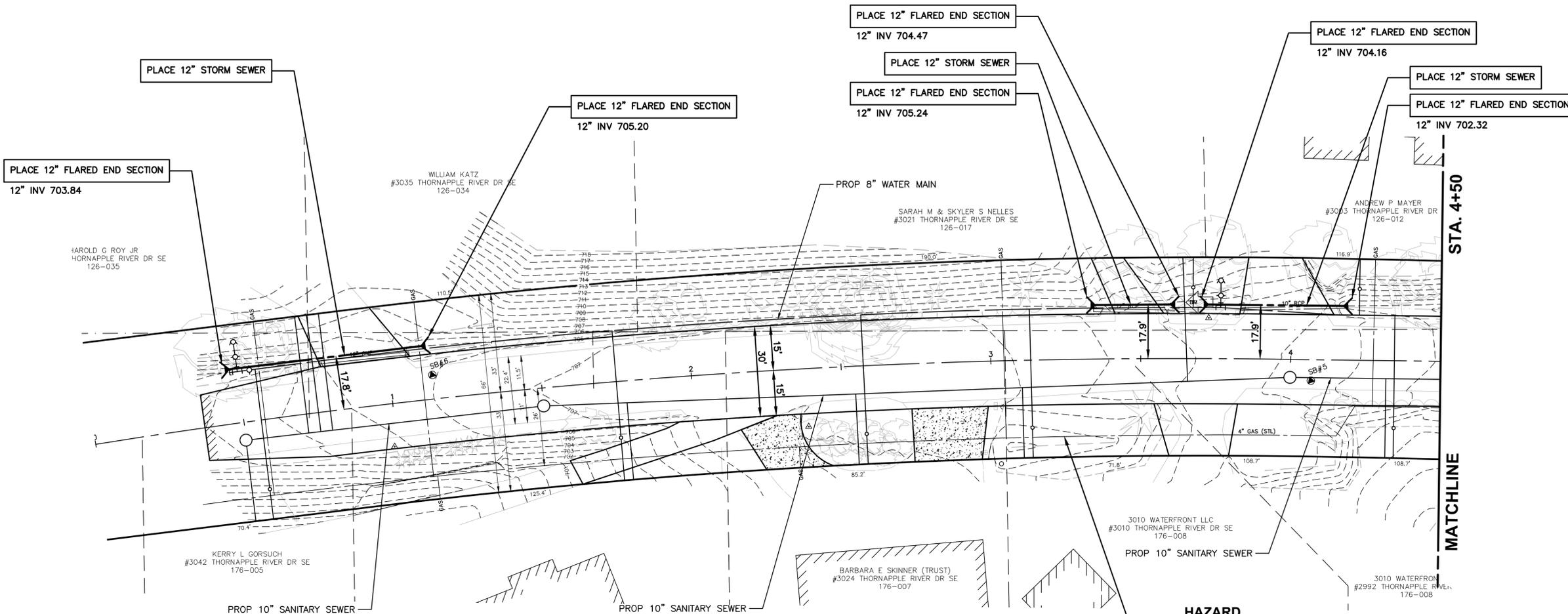
TEMPORARY MEASURE
 PERMANENT MEASURE
SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

INFORMATION ONLY

REV. NO.	DESCRIPTION
DESIGNED & SURVEYED BY:	fishbeck, thompson, carr & huber, inc. 1515 Arboretum Dr. SE Grand Rapids, Michigan 49546 phone (616)575-3824, fax (616)464-3996 engineers • scientists • architects • constructors
REMOVALS AND SOIL EROSION AND SEDIMENTATION CONTROL IN PUBLIC EASEMENT (SE)	
FROM 390' N OF THORNAPPLE RIVER DR AT 105' E. OF MAHESH DR. TO 320' NE'LY	
Drawn by <u>MLB</u>	GPF No. <u>5436</u>
Check: Field _____	Sheet No. <u>14</u> of <u>21</u>
Check: Office _____	

PLOT INFO: Z:\2015\15078BCD\CAD\CAD\12-14_15078BCD_REM.DWG LAYOUT: 14 DATE: 8/15/2016 TIME: 3:45:29 PM USER: RNL

PLOT INFO: Z:\2015\150788CD\CAD\15-18_150788CD_REC.DWG LAYOUT: 15 DATE: 6/15/2016 TIME: 3:46:09 PM USER: RML



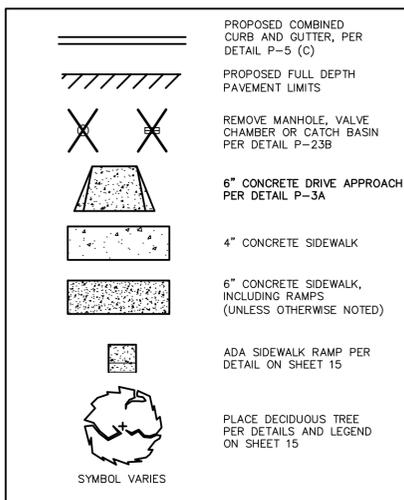
BENCHMARK
 BENCH MARK A ELEVATION: 706.55
 MAG NAIL IN SOUTH SIDE OF 18" AND TWIN
 8" TREES, NORTH SIDE OF THORNAPPLE RIVER
 DRIVE, WEST OF DRIVE TO HOUSE #3003



SCALES
 PLAN: 1"=20'
 PROFILE: 1"=20'
 VERT. 1"=10'

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

RECONSTRUCTION LEGEND

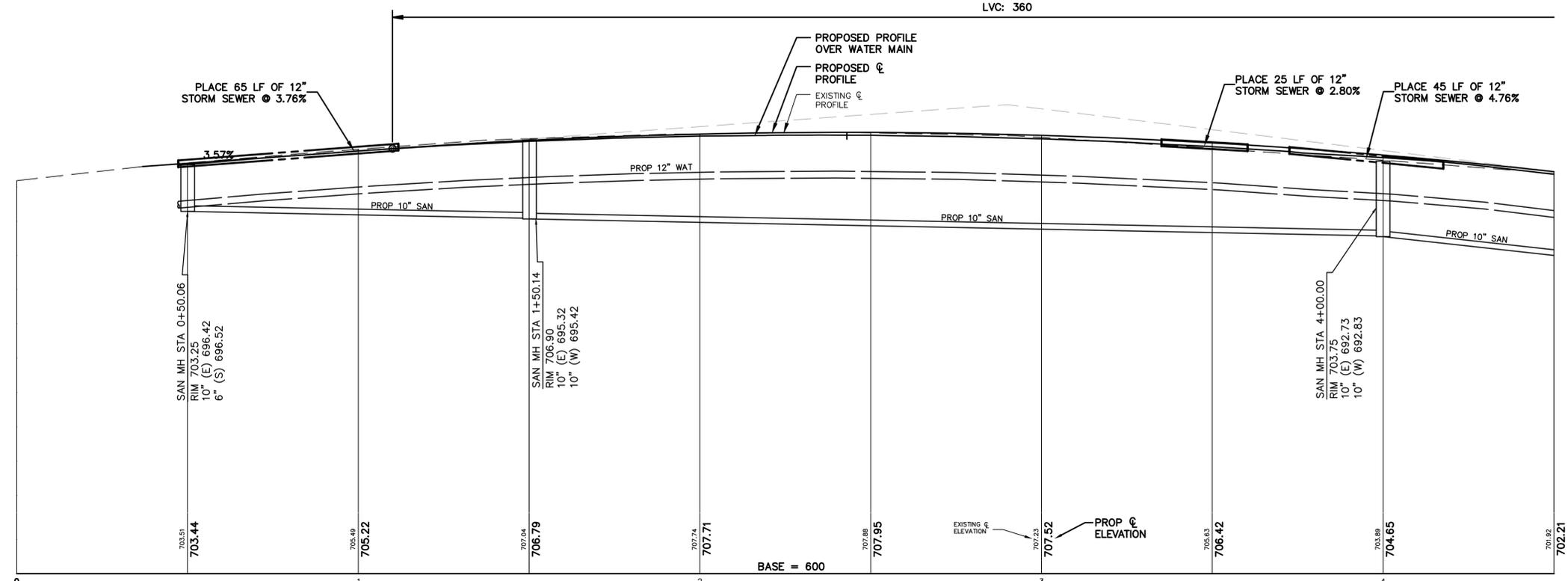


RECONSTRUCTION GENERAL NOTES

- HMA REMOVAL FOR RAISING OF CASTINGS SHALL BE SAW CUT WITH A NEATLY TRIMMED EDGE PRIOR TO PLACING TOP COURSE.

INFORMATION ONLY

HIGH PT STA: 2+43.02
 HIGH PT ELEV: 707.95
 PVI STA: 2+90.00
 PVI ELEV: 712.00
 K: 37.30
 LVC: 360



REV. NO.	DESCRIPTION

DESIGNED & SURVEYED BY: fishbeck, thompson, carr & huber, inc.
 1515 Arboretum Dr. SE
 Grand Rapids, Michigan 49546
 phone (616)575-3824, fax (616)464-3996
 engineers • scientists • architects • constructors

RECONSTRUCTION AND STORM SEWER IN THORNAPPLE RIVER DRIVE
 FROM 400' EAST OF MAHESH DR. TO 900' SOUTHWEST OF CASCADE RD.

Drawn by <u>MLB</u>	GPF No. <u>5436</u>	Sheet No. <u>15</u> of <u>21</u>
Check: Field _____		
Check: Office _____		

BENCHMARK
 BENCH MARK A ELEVATION: 706.55
 MAG NAIL IN SOUTH SIDE OF 18" AND TWIN
 8" TREES, NORTH SIDE OF THORNAPPLE RIVER
 DRIVE, WEST OF DRIVE TO HOUSE #3003



SCALES
 PLAN: 1"=20'
 PROFILE: 1"=20'
 VERT. 1"=10'

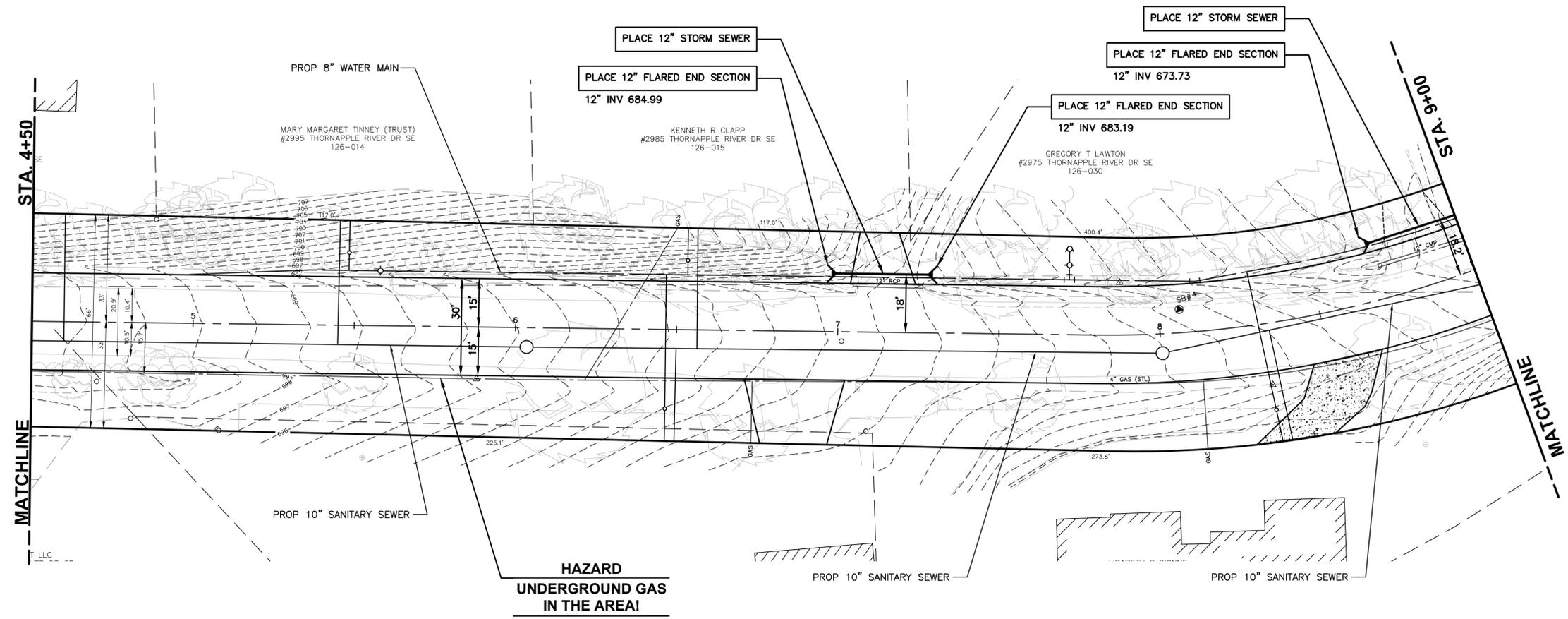
THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

RECONSTRUCTION LEGEND

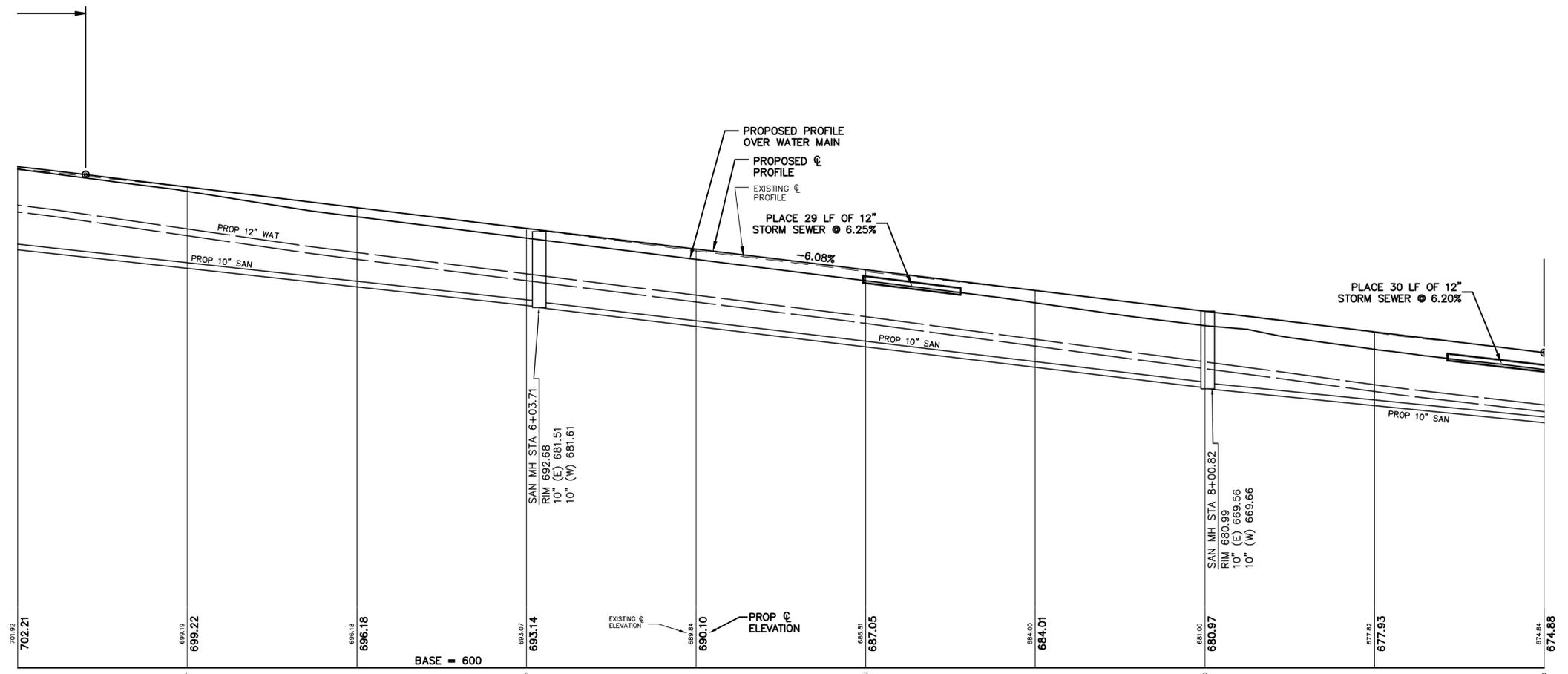
	PROPOSED COMBINED CURB AND GUTTER, PER DETAIL P-5 (C)
	PROPOSED FULL DEPTH PAVEMENT LIMITS
	REMOVE MANHOLE, VALVE CHAMBER OR CATCH BASIN PER DETAIL P-23B
	6" CONCRETE DRIVE APPROACH PER DETAIL P-3A
	4" CONCRETE SIDEWALK
	6" CONCRETE SIDEWALK, INCLUDING RAMPS (UNLESS OTHERWISE NOTED)
	ADA SIDEWALK RAMP PER DETAIL ON SHEET 15
	PLACE DECIDUOUS TREE PER DETAILS AND LEGEND ON SHEET 15
	SYMBOL VARIES

RECONSTRUCTION GENERAL NOTES

- HMA REMOVAL FOR RAISING OF CASTINGS SHALL BE SAW CUT WITH A NEATLY TRIMMED EDGE PRIOR TO PLACING TOP COURSE.



HAZARD UNDERGROUND GAS IN THE AREA!



INFORMATION ONLY

REV. NO.	DESCRIPTION
DESIGNED & SURVEYED BY:	fishbeck, thompson, carr & huber, inc.
1515 Arboretum Dr. SE Grand Rapids, Michigan 49546 phone (616)575-3824, fax (616)464-3996 engineers • scientists • architects • constructors	
RECONSTRUCTION AND STORM SEWER IN THORNAPPLE RIVER DRIVE FROM 400' EAST OF MAHESH DR. TO 900' SOUTHWEST OF CASCADE RD.	
Drawn by	MLB
Check: Field	
Check: Office	
GPF No.	5436
Sheet No.	16 of 21

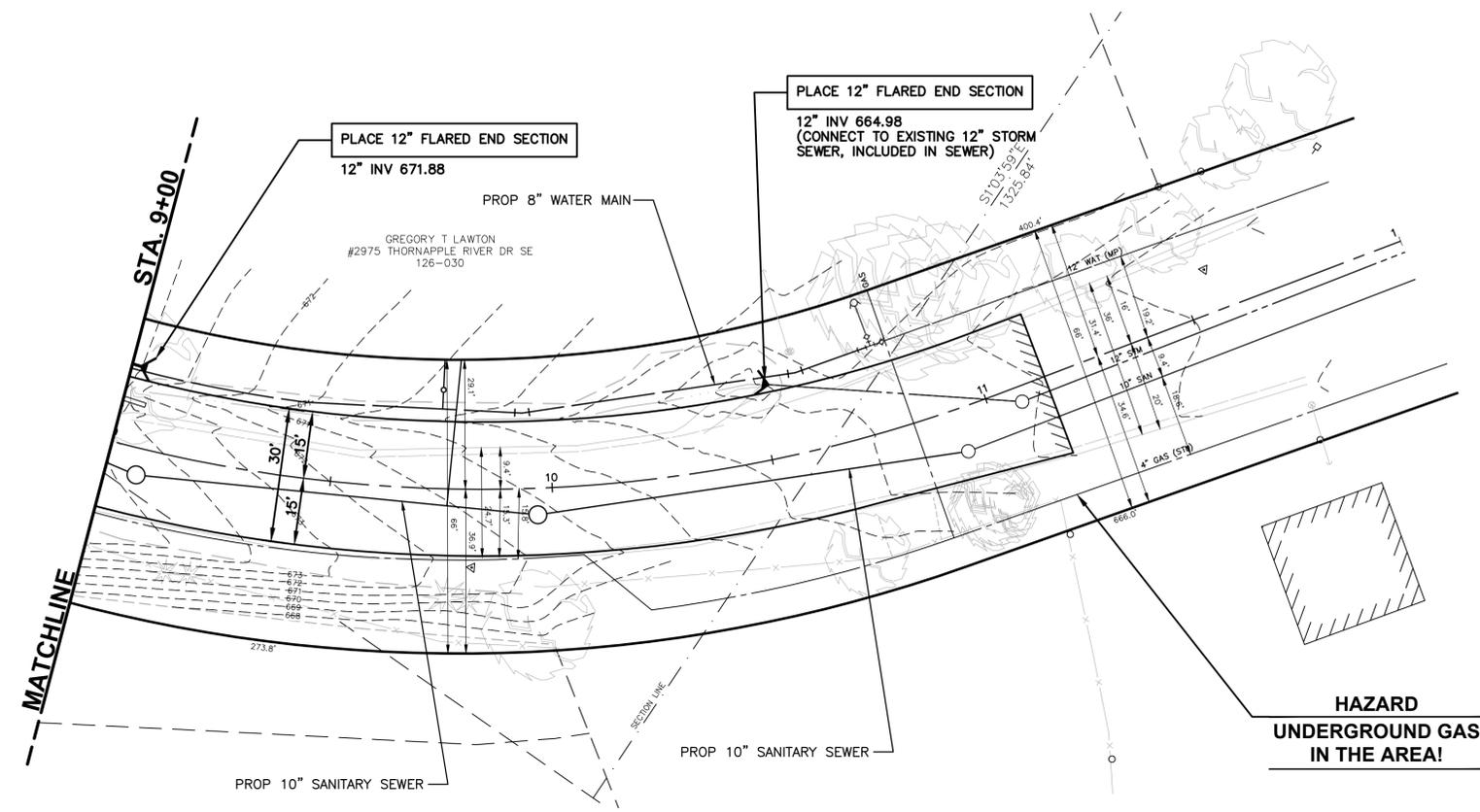
PLOT INFO: Z:\2015\150788CD\CAD\15-18_150788CD_REC.DWG LAYOUT: 16 DATE: 8/15/2016 TIME: 3:46:18 PM USER: RML

BENCHMARK
 BENCH MARK A ELEVATION: 706.55
 MAG NAIL IN SOUTH SIDE OF 18" AND TWIN
 8" TREES, NORTH SIDE OF THORNAPPLE RIVER
 DRIVE, WEST OF DRIVE TO HOUSE #3003



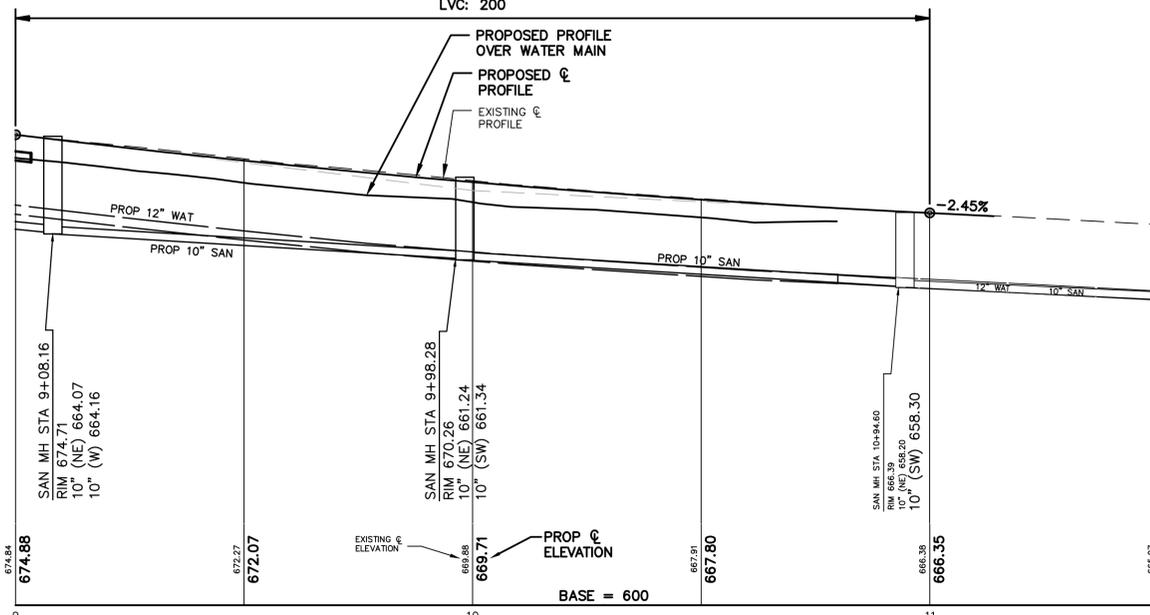
SCALES
 PLAN: 1"=20'
 PROFILE: 1"=20'
 VERT. 1"=10'

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.



**HAZARD
 UNDERGROUND GAS
 IN THE AREA!**

LOW PT STA: 11+00.00
 LOW PT ELEV: 666.35
 PVI STA: 10+00.00
 PVI ELEV: 668.80
 K: 55.09
 LVC: 200



RECONSTRUCTION LEGEND

	PROPOSED COMBINED CURB AND GUTTER, PER DETAIL P-5 (C)
	PROPOSED FULL DEPTH PAVEMENT LIMITS
	REMOVE MANHOLE, VALVE CHAMBER OR CATCH BASIN PER DETAIL P-23B
	6" CONCRETE DRIVE APPROACH PER DETAIL P-3A
	4" CONCRETE SIDEWALK
	6" CONCRETE SIDEWALK, INCLUDING RAMP (UNLESS OTHERWISE NOTED)
	ADA SIDEWALK RAMP PER DETAIL ON SHEET 15
	PLACE DECIDUOUS TREE PER DETAILS AND LEGEND ON SHEET 15
SYMBOL VARIES	

RECONSTRUCTION GENERAL NOTES

- HMA REMOVAL FOR RAISING OF CASTINGS SHALL BE SAW CUT WITH A NEATLY TRIMMED EDGE PRIOR TO PLACING TOP COURSE.

REV. NO.	DESCRIPTION

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 1515 Arboretum Dr. SE
 Grand Rapids, Michigan 49546
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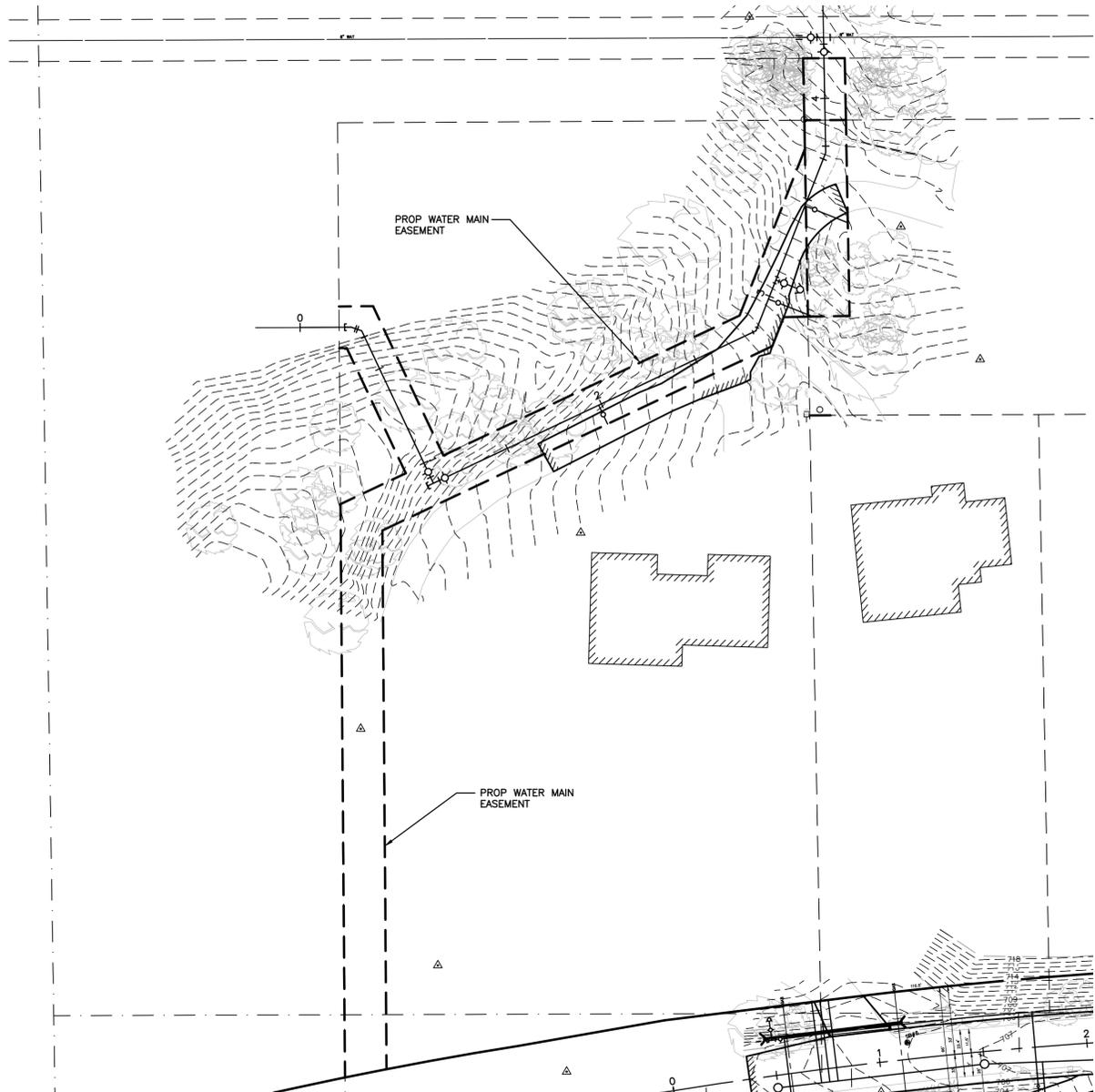
**RECONSTRUCTION AND
 STORM SEWER
 IN
 THORNAPPLE
 RIVER DRIVE
 FROM 400' EAST OF MAHESH DR.
 TO
 900' SOUTHWEST OF CASCADE RD.**

INFORMATION ONLY

Drawn by <u>MLB</u>	GPF No.	Sheet No.
Check: Field _____	5436	17 of 21
Check: Office _____		

PLOT INFO: Z:\2015\150788CD\CAD\CAD\15-18_150788CD_REC.DWG LAYOUT: 17 DATE: 8/15/2016 TIME: 3:46:26 PM USER: RML

PLOT INFO: Z:\2015\150788CD\CAD\15-18_150788CD_REC.DWG LAYOUT: 18 DATE: 6/18/2016 TIME: 11:06:16 AM USER: RML



BENCHMARK
 BENCH MARK A ELEVATION: 706.55
 MAG NAIL IN SOUTH SIDE OF 18" AND TWIN
 8" TREES, NORTH SIDE OF THORNAPPLE RIVER
 DRIVE, WEST OF DRIVE TO HOUSE #3003



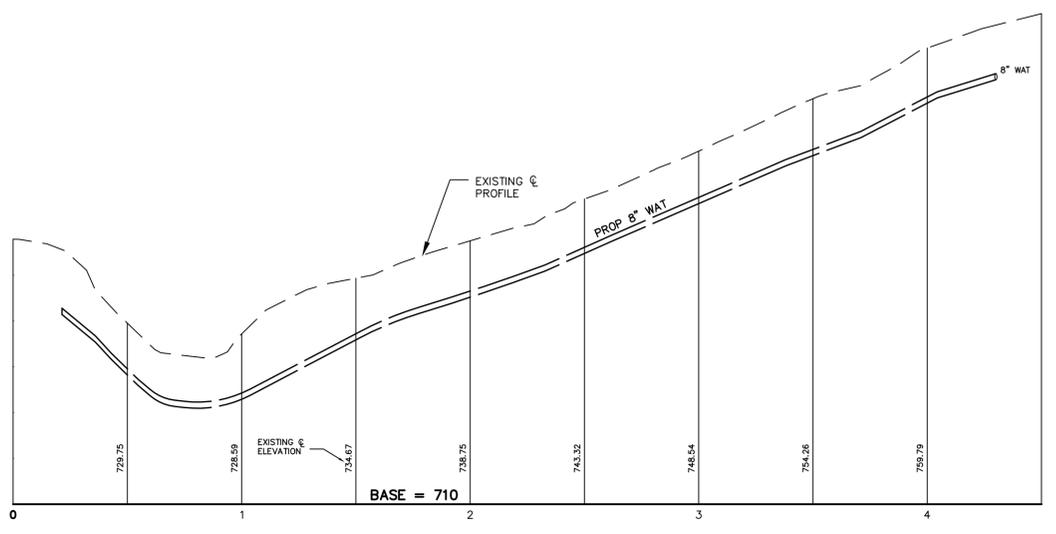
SCALES
 PLAN: 1"=20'
 PROFILE: 1"=20'
 VERT. 1"=10'

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS (GAS), TELEPHONE (TEL), ELECTRICAL POWER (PWR), CABLE TV (CTV) AND FIBER OPTIC LINES (FIBER) ARE APPROXIMATE. THE CITY OF GRAND RAPIDS ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

RECONSTRUCTION LEGEND

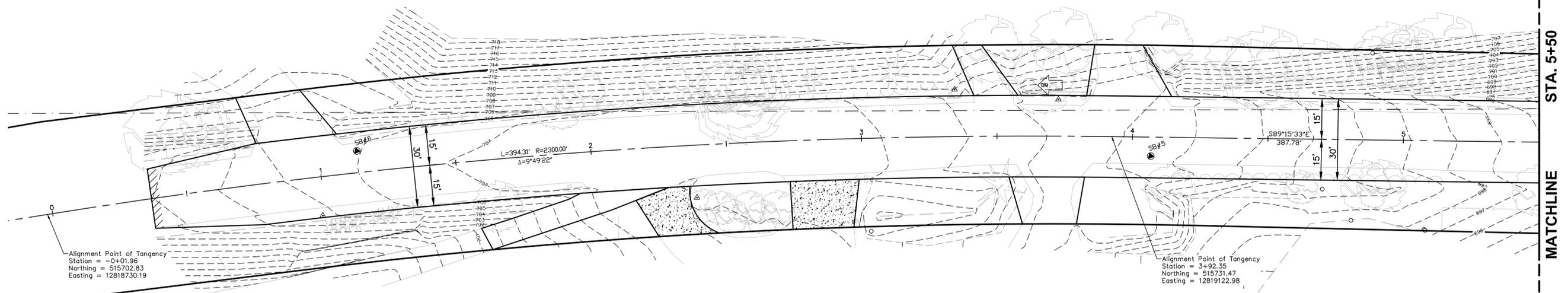
	PROPOSED COMBINED CURB AND GUTTER, PER DETAIL P-5 (C)
	PROPOSED FULL DEPTH PAVEMENT LIMITS
	REMOVE MANHOLE, VALVE CHAMBER OR CATCH BASIN PER DETAIL P-23B
	6" CONCRETE DRIVE APPROACH PER DETAIL P-3A
	4" CONCRETE SIDEWALK
	6" CONCRETE SIDEWALK, INCLUDING RAMPS (UNLESS OTHERWISE NOTED)
	ADA SIDEWALK RAMP PER DETAIL ON SHEET 15
	PLACE DECIDUOUS TREE PER DETAILS AND LEGEND ON SHEET 15
SYMBOL VARIES	

INFORMATION ONLY



REV. NO.	DESCRIPTION
DESIGNED & SURVEYED BY: fishbeck, thompson, carr & huber, inc. 1515 Arboretum Dr. SE Grand Rapids, Michigan 49546 phone (616)575-3824, fax (616)464-3996 engineers • scientists • architects • constructors	
RECONSTRUCTION AND STORM SEWER IN PUBLIC EASEMENT (SE) FROM 390' N OF THORNAPPLE RIVER DR AT 105' E. OF MAHESH DR. TO 320' NE'LY	
Drawn by <u>MLB</u>	GPF No. <u>5436</u>
Check: Field _____	Sheet No. <u>18</u> of <u>21</u>
Check: Office _____	

PLOT INFO: Z:\2015\150786CD\CAD\19_150786CD_GEOMETRY.DWG LAYOUT: 19 DATE: 8/15/2016 TIME: 3:47:05 PM USER: RML

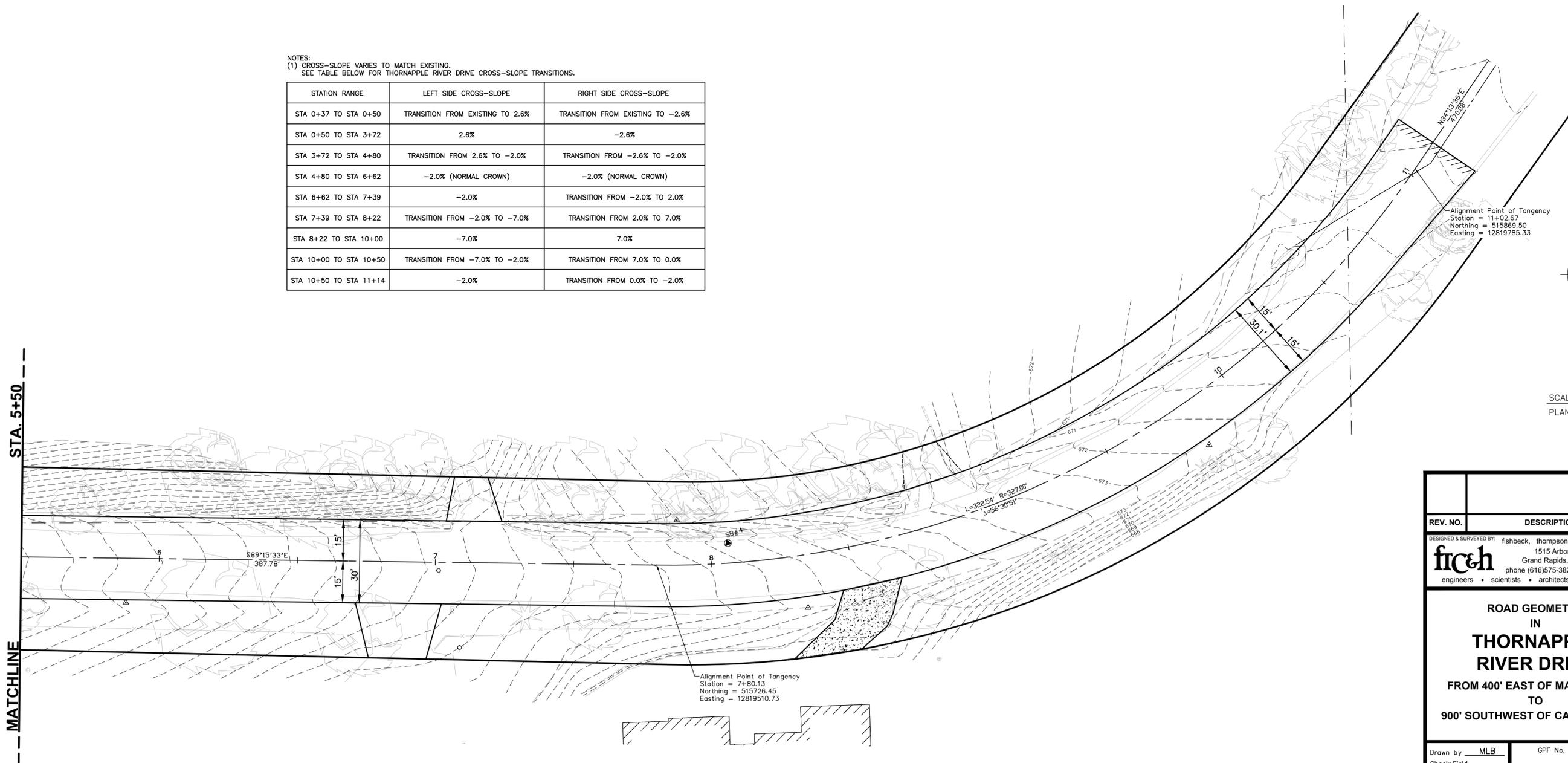


Alignment Point of Tangency
 Station = 0+01.96
 Northing = 515702.83
 Easting = 12818730.19

Alignment Point of Tangency
 Station = 3+92.35
 Northing = 515731.47
 Easting = 12819122.98

NOTES:
 (1) CROSS-SLOPE VARIES TO MATCH EXISTING.
 SEE TABLE BELOW FOR THORNAPPLE RIVER DRIVE CROSS-SLOPE TRANSITIONS.

STATION RANGE	LEFT SIDE CROSS-SLOPE	RIGHT SIDE CROSS-SLOPE
STA 0+37 TO STA 0+50	TRANSITION FROM EXISTING TO 2.6%	TRANSITION FROM EXISTING TO -2.6%
STA 0+50 TO STA 3+72	2.6%	-2.6%
STA 3+72 TO STA 4+80	TRANSITION FROM 2.6% TO -2.0%	TRANSITION FROM -2.6% TO -2.0%
STA 4+80 TO STA 6+62	-2.0% (NORMAL CROWN)	-2.0% (NORMAL CROWN)
STA 6+62 TO STA 7+39	-2.0%	TRANSITION FROM -2.0% TO 2.0%
STA 7+39 TO STA 8+22	TRANSITION FROM -2.0% TO -7.0%	TRANSITION FROM 2.0% TO 7.0%
STA 8+22 TO STA 10+00	-7.0%	7.0%
STA 10+00 TO STA 10+50	TRANSITION FROM -7.0% TO -2.0%	TRANSITION FROM 7.0% TO 0.0%
STA 10+50 TO STA 11+14	-2.0%	TRANSITION FROM 0.0% TO -2.0%



Alignment Point of Tangency
 Station = 7+80.13
 Northing = 515726.45
 Easting = 12819510.73



SCALES
 PLAN: 1"=20'

REV. NO.	DESCRIPTION

DESIGNED & SURVEYED BY: fishbeck, thompson, carr & huber, inc.
 1515 Arboretum Dr. SE
 Grand Rapids, Michigan 49546
 phone (616)575-3824, fax (616)464-3996
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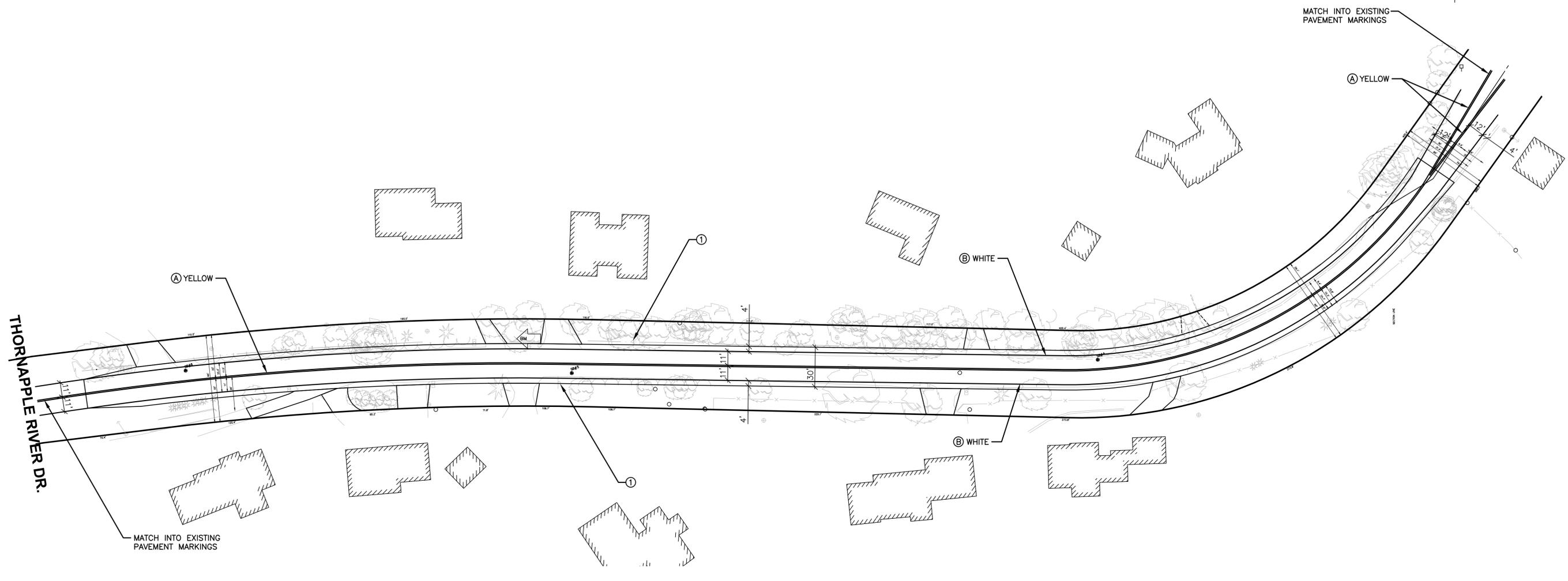
**ROAD GEOMETRY
 IN
 THORNAPPLE
 RIVER DRIVE**

FROM 400' EAST OF MAHESH DR.
 TO
 900' SOUTHWEST OF CASCADE RD.

Drawn by <u>MLB</u>	GPF No.	Sheet No.
Check: Field _____	5436	19 of 21
Check: Office _____		



SCALES
PLAN: 1"=40'



THORNAPPLE RIVER DR.

SIGNAGE LEGEND

CODE	DESCRIPTION
1	SPEED LIMIT 30 (R2-1)

PAVEMENT MARKING LEGEND

(PER STANDARD DETAIL P-24)

(A) DOUBLE SOLID 4" LINES

(B) SINGLE SOLID 4" LINE

INFORMATION ONLY

REV. NO.	DESCRIPTION

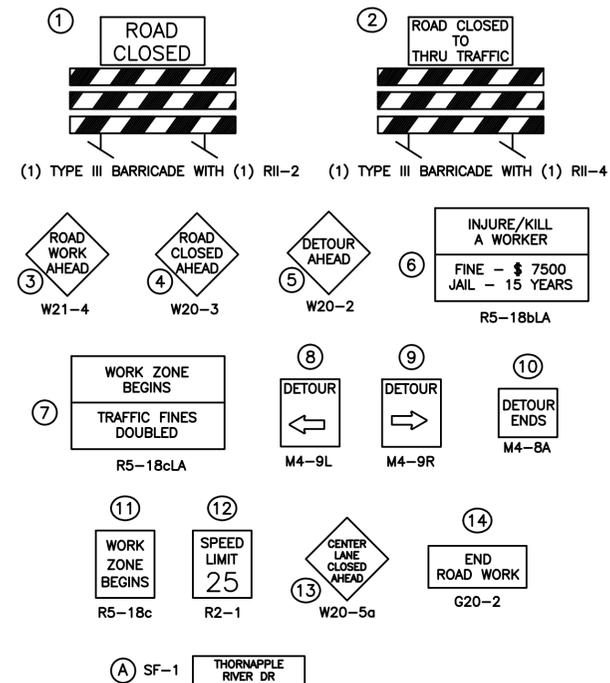
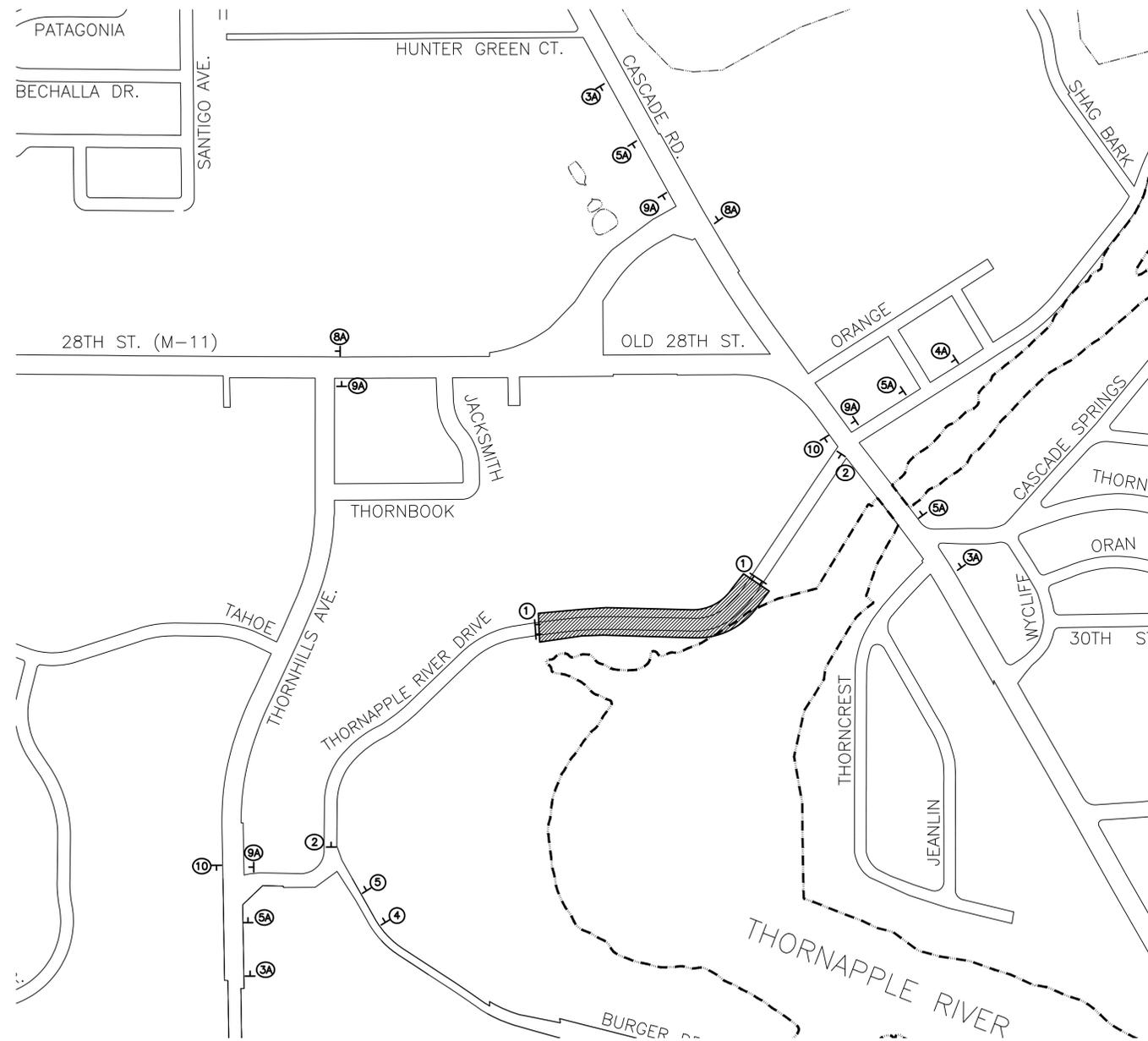
DESIGNED & SURVEYED BY: fishbeck, thompson, carr & huber, inc.
 1515 Arboretum Dr. SE
 Grand Rapids, Michigan 49546
 phone (616)575-3824, fax (616)464-3996
 engineers • scientists • architects • constructors

**PAVEMENT MARKINGS AND SIGNAGE
 IN
 THORNAPPLE
 RIVER DRIVE**

FROM 400' EAST OF MAHESH DR.
 TO
 900' SOUTHWEST OF CASCADE RD.

Drawn by <u>MLB</u>	GPF No. <u>5436</u>	Sheet No. <u>20</u> of <u>21</u>
Check: Field _____		
Check: Office _____		

PLOT INFO: Z:\2015\150786CD\CAD\CD\20_150786CD_PAV_MARK.DWG LAYOUT: 20 DATE: 8/15/2016 TIME: 3:47:36 PM USER: RML



MAINTAINING TRAFFIC GENERAL NOTES

1. MAINTAIN ACCESS FOR BUSINESS DELIVERY VEHICLES ALONG ALL STREETS
2. STAGING OF EQUIPMENT AND MATERIAL MUST OCCUR WITHIN THE CLOSED TO THRU TRAFFIC ROADWAY
3. BARREL, BARRICADE, AND SIGN SPACING AND LOCATIONS TO BE PER MDOT MAINTAINING TRAFFIC TYPICAL: M0020

INFORMATION ONLY

REV. NO.	DESCRIPTION
DESIGNED & SURVEYED BY: fishbeck, thompson, carr & huber, inc. fishc&h 1515 Arboretum Dr. SE Grand Rapids, Michigan 49546 phone (616)575-3824, fax (616)464-3996 engineers • scientists • architects • constructors	
MAINTAINING TRAFFIC IN THORNAPPLE RIVER DRIVE FROM 400' EAST OF MAHESH DR. TO 900' SOUTHWEST OF CASCADE RD.	
Drawn by <u>MLB</u>	GPF No. <u>5436</u>
Check: Field _____	Sheet No. <u>21</u> of <u>21</u>
Check: Office _____	

Engineers Opinion of Preliminary Construction and Project Costs

Project Name: Thornapple River Drive Utility Extension
 Project Location: Cascade Charter Township
 Project Number: G150788CD
 Date: August 18, 2016

Notes:

Estimate after City Review of preliminary plans. Includes WM on the hill.
 Sanitary Sewer (10-inch) Placed Approximately 6' off from Centerline per KCRC Standards
 Water main placed just outside roadway per KCRC standards
 Water main to be 12-inch dia per master plan.
 Full Roadway Removal and Replacement due to depth of Sewer
 Sanitary and water services stubbed to ROW line for future connection by Property Owner at their individual cost
 Roadway will be closed to thru traffic during construction.

	Item Description	Unit	Total Estimated Quantity	Unit Price	Sanitary	Water	Roadway	Total Cost	Notes
1	Mobilization, (Maximum of 5% of Total Bid)	LS	1	\$30,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$30,000	3 way split
2	Preconstruction Documentation	LS	1	\$1,500.00	\$500.00	\$500.00	\$500.00	\$1,500	3 way split
3	Cash Allowances - Testing	Dollars	15,000	\$1.00	\$5,000.00	\$5,000.00	\$5,000.00	\$15,000	3 way split
4	Maintaining Traffic	LS	1	\$15,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$15,000	3 way split
5	Soil Erosion and Sedimentation Control	LS	1	\$2,100.00	\$700.00	\$700.00	\$700.00	\$2,100	3 way split
6	Remove Pavement	SYD	3700	\$5.00	\$13,875.00	\$4,625.00		\$18,500	75/25 split
7	Remove Concrete Drive Approach	SYD	140	\$6.50	\$682.50	\$227.50		\$910	75/25 split
8	Remove Tree, 6-inch to 18-inch Diameter	EA	40	\$250.00	\$2,500.00	\$7,500.00		\$10,000	25/75 split
9	Remove Tree, 19-inch to 36-inch Diameter	EA	14	\$800.00	\$2,800.00	\$8,400.00		\$11,200	25/75 split
10	Remove, Salvage and Place Street Sign	EA	3	\$100.00	\$225.00	\$75.00		\$300	25/75 split
11	6" Water Main (DI CL53)	LF	45	\$60.00		\$2,700.00		\$2,700	
12	8" Water Main (DI CL53)	LF	430	\$70.00		\$30,100.00		\$30,100	
13	12" Water Main (DI CL53)	LF	1025	\$85.00		\$87,125.00		\$87,125	
14	6" Valve and Box	EA	4	\$1,150.00		\$4,600.00		\$4,600	
15	8" Valve and Box	EA	4	\$1,450.00		\$5,800.00		\$5,800	
16	12" Valve and Box	EA	2	\$2,400.00		\$4,800.00		\$4,800	
17	5" Hydrant	EA	4	\$2,400.00		\$9,600.00		\$9,600	
18	8"x8"x6" Tee	EA	1	\$600.00		\$600.00		\$600	
19	8"x8"x8" Tee	EA	2	\$650.00		\$1,300.00		\$1,300	
20	12"x12"x6" Tee	EA	3	\$900.00		\$2,700.00		\$2,700	
21	8" 22.5 Degree Bend	EA	2	\$450.00		\$900.00		\$900	
22	8" 45 Degree Bend	EA	2	\$450.00		\$900.00		\$900	
23	12" 11.25 Degree Bend	EA	3	\$750.00		\$2,250.00		\$2,250	
24	8" Sleeve	EA	1	\$800.00		\$800.00		\$800	
25	12" Sleeve	EA	1	\$1,000.00		\$1,000.00		\$1,000	
26	8" Plug	EA	2	\$400.00		\$800.00		\$800	
27	12" Plug	EA	1	\$650.00		\$650.00		\$650	
28	1" water service	LF	490	\$30.00		\$14,700.00		\$14,700	
29	Tap for 1" water service, including corporation stop	EA	14	\$300.00		\$4,200.00		\$4,200	
30	Curb Stop and box on 1" water service	EA	14	\$425.00		\$5,950.00		\$5,950	
31	10" Sanitary Sewer D-2680	LF	1050	\$85.00	\$89,250.00			\$89,250	
32	4' Dia. Sanitary manhole, per Detail S-1	EA	7	\$2,900.00	\$20,300.00			\$20,300	
33	6" Sanitary Sewer Lateral (PVC SDR 23.5)	LF	485	\$55.00	\$26,675.00			\$26,675	
34	6" tee/wye on 10" Sanitary Sewer	EA	13	\$300.00	\$3,900.00			\$3,900	
35	Core and Boot 10" Sewer into Manhole or Sewer	EA	1	\$600.00	\$600.00			\$600	
36	Storm Sewer, 12-inch	LF	200	\$45.00			\$9,000.00	\$9,000	
37	Flared End Section, 12-inch	EA	11	\$500.00			\$5,500.00	\$5,500	
38	Structure Casting, Adjust	EA	2	\$350.00			\$700.00	\$700	
39	Subbase Underdrain, 6-inch	LF	2160	\$6.00			\$12,960.00	\$12,960	
40	Video Sewer	LF	1050	\$1.50	\$1,575.00			\$1,575	
41	Roadway Grading	STA	11	\$1,500.00			\$16,500.00	\$16,500	
42	Subbase	CYD	1350	\$11.00			\$14,850.00	\$14,850	
43	Aggregate Base, 8-inch	SYD	4225	\$12.00			\$50,700.00	\$50,700	
44	Bituminous Pavement, LVSP (3.5")	TON	770	\$72.00			\$55,440.00	\$55,440	
45	Subgrade Undercutting	CYD	500	\$11.50			\$5,750.00	\$5,750	
46	Concrete Driveway Approach, 6-inch	SFT	1350	\$4.50			\$6,075.00	\$6,075	
47	Asphalt Driveway Apron	EA	9	\$800.00			\$7,200.00	\$7,200	
48	Pavement Markings	LF	3,600	\$1.00			\$3,600.00	\$3,600	
49	Turf Establishment	SYD	5600	\$4.00	\$7,392.00	\$7,392.00	\$7,616.00	\$22,400	3 way split
50	Miscellaneous Work Allowance	Dollars	15000	\$1.00	\$5,000.00	\$5,000.00	\$5,000.00	\$15,000	3 way split
51	Temporary Gravel	LS	1	\$2,500.00	\$825.00	\$825.00	\$850.00	\$2,500	3 way split
					\$196,799.50	\$236,719.50	\$222,941.00	\$656,460	
					Sanitary	Water	Roadway	Total	
					\$196,799.50	\$236,719.50	\$222,941.00	\$656,460.00	
Construction Contingency (15%)					\$29,519.93	\$35,507.93	\$33,441.15	\$98,469.00	
					\$226,319.43	\$272,227.43	\$256,382.15	\$754,929.00	
Engineering (Design Phase)					\$13,579.17	\$16,333.65	\$15,382.93	\$45,295.74	
Engineering (Construction Phase)					\$22,631.94	\$27,222.74	\$25,638.22	\$75,492.90	
Estimated Total Project Cost					\$262,530.53	\$315,783.81	\$297,403.29	\$875,717.64	
Utility Oversizing (System Cost) *					\$7,329.00	\$21,986.25			

* Oversizing Water Main 8-inch to 12-inch is typically system cost. Property Owners should not be assessed this amount. (1025' @ \$21.45/FT = \$21,986.25)
 * Oversizing Sewer is sometimes used for developments. Cost from City to go from an 8-inch to 10-inch is \$6.98/FT (1050' @ \$6.98/FT = \$7,329.00)
 Engineering Design Phase, Amount spent to date is \$35,300, approximately \$10,000 left to finish.

Estimate is based on recent average bid prices. The underground construction market is currently very volatile and predicting future bid prices is difficult. The cost estimate includes a 15% construction contingency as an attempt to account for the volatility. FTCH does not control the bidding climate and this estimate is our opinion of costs based on available information.

TOWNSHIP BOARD MEMORANDUM

To: Cascade Charter Township Board

From: Sandra Korhorn, DDA/Economic Development Director *SKK*

Subject: Consider Resolution for Permits to work in the Michigan Department of Transportation (MDOT) Right-of-Way

Meeting Date: September 14, 2016

The Michigan Department of Transportation (MDOT) requires that the Township have a resolution on file with them that designates the persons who are able to sign permit application for work in the MDOT right of way.

I have attached a resolution authorizing the Township Manager and Supervisor to sign right of way work permits. MDOT prefers titles rather than names be placed on the resolution so it does not have to be changed each time a Manager or Supervisor changes.

Staff is recommending approval of the resolution for MDOT right of way work permits. MDOT needs this approved resolution so they can issue a permit for the Township to begin work on the 28th Street sidewalk from Hotel Ave. to Drury Hotel.

Attachment: Resolution

**PERFORMANCE RESOLUTION FOR
GOVERNMENTAL AGENCIES**

This Performance Resolution is required by the Michigan Department of Transportation for purposes of issuing to a municipality an "Individual Permit for Use of State Highway Right of Way" or an "Annual Application and Permit for Miscellaneous Operations Within State Highway Right of Way".

RESOLVED WHEREAS, the Charter Township of Cascade
(city, village, township, etc.)

hereinafter referred to as the "GOVERNMENTAL AGENCY," periodically applies to the Michigan Department of Transportation, hereinafter referred to as the "DEPARTMENT," for permits, referred to as "PERMIT," to construct, operate, use and/or maintain utility or other facilities, or to conduct other activities, on, over, and under State Highway right of way at various locations within and adjacent to its corporate limits;

NOW THEREFORE, in consideration of the DEPARTMENT granting such PERMIT, the GOVERNMENTAL AGENCY agrees that:

1. Each party to this Agreement shall remain responsible for any claims arising out of their own acts and/or omissions during the performance of this Agreement, as provided by law. This Agreement is not intended to increase either party's liability for, or immunity from, tort claims, nor shall it be interpreted, as giving either party hereto a right of indemnification, either by Agreement or at law, for claims arising out of the performance of this Agreement.
2. Any work performed for the GOVERNMENTAL AGENCY by a contractor or subcontractor will be solely as a contractor for the GOVERNMENTAL AGENCY and not as a contractor or agent of the DEPARTMENT. The DEPARTMENT shall not be subject to any obligations or liabilities by vendors and contractors of the GOVERNMENTAL AGENCY, or their subcontractors or any other person not a party to the PERMIT without its specific prior written consent and notwithstanding the issuance of the PERMIT. Any claims by any contractor or subcontractor will be the sole responsibility of the GOVERNMENTAL AGENCY.
3. The GOVERNMENTAL AGENCY shall take no unlawful action or conduct, which arises either directly or indirectly out of its obligations, responsibilities, and duties under the PERMIT which results in claims being asserted against or judgment being imposed against the State of Michigan, the Michigan Transportation Commission, the DEPARTMENT, and all officers, agents and employees thereof and those contracting governmental bodies performing permit activities for the DEPARTMENT and all officers, agents, and employees thereof, pursuant to a maintenance contract. In the event that the same occurs, for the purposes of the PERMIT, it will be considered as a breach of the PERMIT thereby giving the State of Michigan, the DEPARTMENT, and/or the Michigan Transportation Commission a right to seek and obtain any necessary relief or remedy, including, but not by way of limitation, a judgment for money damages.
4. The GOVERNMENTAL AGENCY It will, by its own volition and/or request by the DEPARTMENT, promptly restore and/or correct physical or operating damages to any State Highway Right of Way resulting from the installation construction, operation and/or maintenance of the GOVERNMENTAL AGENCY'S facilities according to a PERMIT issued by the DEPARTMENT.
5. With respect to any activities authorized by PERMIT, when the GOVERNMENTAL AGENCY requires insurance on its own or its contractor's behalf it shall also require that such policy include as named insured the State of Michigan, the Transportation Commission, the DEPARTMENT, and all officers, agents, and employees thereof and those governmental bodies performing permit activities for the DEPARTMENT and all officers, agents, and employees thereof, pursuant to a maintenance contract.

- 6. The incorporation by the DEPARTMENT of this resolution as part of a PERMIT does not prevent the DEPARTMENT from requiring additional performance security or insurance before issuance of a PERMIT.
- 7. This resolution shall continue in force from this date until cancelled by the GOVERNMENTAL AGENCY or the DEPARTMENT with no less than thirty (30) days prior written notice to the other party. It will not be cancelled or otherwise terminated by the GOVERNMENTAL AGENCY with regard to any PERMIT which has already been issued or activity which has already been undertaken.

BE IT FURTHER RESOLVED, that the following position(s) are authorized to apply to the DEPARTMENT for the necessary permit to work within State Highway Right of Way on behalf of the GOVERNMENTAL AGENCY.

NAME AND/OR TITLE

Township Manager

Township Supervisor

I HEREBY CERTIFY that the foregoing is a true copy of a resolution adopted by

the Cascade Charter Township Board

(Name of Board, etc)

of the Cascade Charter Township

(Name of GOVERNMENTAL AGENCY)

of Kent

(County)

at a Township Board meeting held on the 14th day

of September A.D. 2016.

SIGNATURE	TITLE Township Clerk	PRINT NAME
-----------	-------------------------	------------



CASCADE CHARTER TOWNSHIP

2865 Thornhills SE Grand Rapids, Michigan 49546-7140

Date: September 14th, 2016
To: Supervisor Beahan and Township Board Members
From: Ben Swayze, Township Manager
Subject: Resolution for "Prisoner of War/Missing in Action Recognition Day"

FACTS:

The Township has received a request from the Michael J. Bost Chapter 18 of the Vietnam Veterans of America that the Township, along with other communities, issue a resolution declaring September 16th, 2016 as "Prisoner of War/Missing in Action Recognition Day." The request has also been made that the resolution be presented to the Michael J. Bost Chapter 18 of the Vietnam Veterans of America at a ceremony they will be conducting at 2:00pm in the chapel of the Michigan Home for Veterans in Grand Rapids.

Attached for your review is:

- Letter of request from the Michael J. Bost Chapter 18 of the Vietnam Veterans of America.
- Proposed Resolution to Provide for the Designation of September 16th, 2016 as Prisoner of War/Missing in Action Recognition Day

ANALYSIS & CONCLUSIONS:

The Township has approved similar resolutions in previous years. The Michael J. Bost Chapter 18 of the Vietnam Veterans of America is one of three in West Michigan that is working to increase awareness of the servicemen unaccounted for in the Vietnam and Gulf Wars. Currently there are nearly 1,700 Vietnam-era American servicemen and civilians unaccounted for in Southeast Asia, including 49 from the State of Michigan.

FINANCIAL CONSIDERATIONS:

Adoption of the proposed resolution will not have any financial considerations.

RECOMMENDED ACTION:

Adopt the Resolution recognizing September 16th, 2016 as "Prisoner of War/Missing in Action Recognition Day" in Cascade Township.



Vietnam Veterans of America

**Michael J. Bost Chapter No. 18
P.O. Box 1766
Grand Rapids, MI 49501**



616-752-8387

July 17, 2016

Supervisor Robert Beahan
Township of Cascade
2865 Thornhills SE
Grand Rapids, MI 49546-7192

Dear Supervisor Beahan;

The Michael J. Bost Chapter 18 of the Vietnam Veterans of America will observe Prisoner of War/Missing in Action Recognition Day on Friday, September 16, 2016. We will have a brief ceremony at **2:00 PM** in the chapel of the Michigan Home for Veterans in Grand Rapids.

We would like the Township of Cascade, with other communities, issue a proclamation declaring September 16, 2016 as Prisoner of War/Missing in Action Day. This resolution would then be presented to the Michael J. Bost Chapter of the Vietnam Veterans. A sample is included for your convenience.

Your presence is requested at this ceremony to make the presentation to the Vietnam Veterans of America Chapter 18. Out of respect for those who are present, we would appreciate dignitaries being present for the entire ceremony.

If you or your representative are able to attend this ceremony, please let us know.

For further questions, please call 616-752-8387.

Thank you for your consideration.

Sincerely,

Jim Pike
President
Michael J. Bost
Chapter 18
Vietnam Veterans of America

**CASCADE CHARTER TOWNSHIP
KENT COUNTY, MICHIGAN**

RESOLUTION __ of 2016

**RESOLUTION TO PROVIDE FOR THE DESIGNATION OF SEPTEMBER 16, 2016 AS
“PRISONER OF WAR / MISSING IN ACTION RECOGNITION DAY”**

Minutes of a regular meeting of the Township Board of Cascade charter Township, County of Kent, State of Michigan, held at the Wisner Center in said Township on September 14th, 2016 at 7:00 o'clock p.m., Eastern Daylight Time

PRESENT: Members: _____

ABSENT: Members: _____

The following preamble and resolution were offered by Board Member _____ and supported by Board Member _____.

WHEREAS, the United States has fought in many wars, one of the longest of which was the Vietnamese Conflict; and

WHEREAS, Friday, September 16, 2016 is a day of remembrance for those who suffered as prisoners of war or are still missing as a result of any conflict; and,

WHEREAS, although cooperation has increased within the past few years, there are still nearly 1,700 American servicemen and civilians, including 49 from the State of Michigan, missing and unaccounted for in Indochina. The uncertainty surrounding their fates has caused their families to suffer great hardship; and,

WHEREAS, increasing public awareness and focusing public attention on this issue is one way to help achieve this goal.

NOW, THEREFORE, BE IT HEREBY RESOLVED, that the Board of Trustees of Cascade Charter Township shall designate **Friday, September 16, 2016** as:

“PRISONER OF WAR / MISSING IN ACTION RECOGNITION DAY”

We urge all of our citizens to take note of this important issue and remember those servicemen and civilians who were prisoners of war and those who are still missing and to commemorate the day with appropriate activities.

YEAS: Board members: _____

NAYS: Board members: _____

ABSTAIN: Board members: _____

ABSENT: Board members: _____

RESOLUTION DECLARED ADOPTED

Clem Bell, Township Clerk

I HEREBY CERTIFY that the foregoing is a true and complete copy of a resolution adopted by the Township Board of Cascade Charter Township, County of Kent, Michigan, at a regular meeting held on September 14th, 2016, and that said meeting was conducted and public notice of said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, and that the minutes of said meeting were kept and will be or have been made available as required by said Act.

Dated: _____

Clem Bell, Township Clerk