

# WATERLOO CITY COUNCIL

## *Regular Meeting Agenda*

Date: June 19, 2017

Time: 7:30 p.m.

1. Call to Order.
2. Roll Call.
3. Pledge of Allegiance.
4. Correction or Withdrawal of Agenda Items by Sponsor.
5. Approval of Minutes as Written or Amended.
6. Petitions by Citizens on Non-Agenda Items.
7. Reports and Communications from the Mayor and other City Officers.
  - A. Report of Collector.
  - B. Report of Treasurer.
  - C. Report of Zoning Administrator.
  - D. Report of Building Inspector / Code Administrator.
  - E. Report of Director of Public Works.
  - F. Report of Chief of Police.
  - G. Report of City Attorney.
  - H. Report and Communication by Mayor.
    1. Reappointment of Jared Nobbe to the Library Board for a Three-Year Term to Expire on 06-30-20.
    2. Reappointment of Vickie Gardner to the Library Board for a Three-Year Term to Expire on 06-30-20.
    3. Reappointment of Sharon Glessner to the Library Board for a Three-Year Term to Expire on 06-30-20.
8. Report of Standing Committees.
9. Report of Special Committees.
10. Presentation of Communications, Petitions, Resolutions, Orders and Ordinances by Aldermen.
  - A. Consideration and Action on Ordinance No. 1728 Providing for the Vacation of an Alley Situated in the City of Waterloo, Illinois.
  - B. Consideration and Action on Resolution No. 17-16 Supporting the Request and Maintenance of a Piece of Military Equipment to be Displayed at the Veteran's Memorial Located in Lakeview Park.
11. Unfinished Business.
12. Miscellaneous Business.
  - A. Consideration and Action on the Remlok Phase 3 Improvement Plans and authorizing the mayor to sign related EPA permits.
  - B. Consideration and Action on a 2.75% Managerial Pay Increase.
  - C. Consideration and Action on Consulting Agreement between City of Waterloo, Illinois and Brubaker & Associates, Inc.
  - D. Consideration and Action on Executive Session for the Semi-Annual Executive Session Minute Review as per 5 ILCS 120/2(C)(21).
13. Discussion of Matters by Council Members Arising After Agenda Deadline.
14. Motion to Adjourn.

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### **DATES TO REMEMBER**

- July 03, 2017 – City Council Meeting, Waterloo City Hall: Council Chambers, 7:30 p.m.  
July 10, 2017 – Planning Commission Meeting, Waterloo City Hall: Council Chambers, 7:30 p.m.  
July 11, 2017 – Sister Cities Meeting, Waterloo City Hall: Front Conference Room, 7:00 p.m.  
July 12, 2017 – Minister's Meeting, Waterloo City Hall: Second Floor, 8:00 a.m.  
July 12, 2017 – Park District Meeting, Waterloo City Hall: Front Conference Room, 7:00 p.m.  
July 13, 2017 – Violence Prevention Meeting, Waterloo City Hall: Second Floor, 4:00 p.m.  
July 17, 2017 – City Council Meeting, Waterloo City Hall: Council Chambers, 7:30 p.m.  
July 20, 2017 – Zoning Board of Appeals Meeting, Waterloo City Hall: Council Chambers, 7:30 p.m.  
July 25, 2017 – American Legion Meeting, Waterloo City Hall: Second Floor, 7:00 p.m.

**MINUTES OF THE  
CITY COUNCIL MEETING  
MAY 15, 2017**

1. The meeting was called to order by Mayor Tom Smith.
2. The following Aldermen were present: Notheisen, Thomas, Hopkins, Trantham, Darter, Buettner, Row and Heller.
3. Pledge of Allegiance led by Ryan Worley of Boy Scout Troop #320.
4. Correction or Withdrawal of Agenda Items by Sponsor.  
None.
5. Approval of Minutes as Written or Amended.  
Motion made by Alderman Heller and 2nd by Alderman Trantham to approve May 15, 2017, 7:30 p.m., City Council Meeting minutes. Motion passed unanimously to approve the minutes with Alderman Heller, Notheisen, Thomas, Hopkins, Trantham, Darter, Buettner and Row voting yea.
6. Petitions by Citizens on Non-Agenda Items.  
None.
7. Reports and Communications from the Mayor and other City Officers.
  - A. Report of Collector.  
No report.
  - B. Report of Treasurer.  
No report.
  - C. Report of Zoning Administrator.  
No report.
  - D. Report of Building Inspector/Code Administrator.  
No report.
  - E. Report of Director of Public Works.  
Tim Birk reported on the Parking Lot project on Market which has been completed. Lighting, markings and appropriate signs are all in place.
  - F. Report of Chief of Police.  
No report.
  - G. Report of City Attorney.  
No report.
  - H. Report and Communication by Mayor.
    1. Presentation of IMUA Scholarship Check to Shane Douglas. Ed Cobau from the Illinois Municipal Utilities Association presented Shane with a Certificate of Appreciation and a check for \$500.00.
    2. Appointment of Rite Trantham to the Library Board for the remainder of a vacancy due to expire on 06-30-19. Unanimous consent was given with Aldermen Notheisen, Thomas, Hopkins, Trantham, Darter, Buettner, Row and Heller voting yea.
    3. Presentation of Eagle Scout Project by Ryan Worley of Troop #320 for a pavilion to be constructed at the Human Support Services Bradley Buildings on Bradford Lane.
8. Report of Standing Committees.  
None.

9. Report of Special Committees.  
None.
  
10. Presentation of Communications, Petitions, Resolutions, Orders and Ordinances by Aldermen.
  - A. Consideration and Action on Resolution No. 17-13 Authorizing the Execution of a Professional Services Agreement – Task Order No. 19 Between the City of Waterloo, Illinois and HMG Engineers, Inc. for Engineering Services Related to the Vandebrook Drive Water Main Extension Project with a Not to Exceed Amount of \$56,400.00.  
Motion made by Alderman Darter and seconded by Alderman Row to approve Action on Resolution No. 17-13 Authorizing the Execution of a Professional Services Agreement-Task Order No. 19 Between the City of Waterloo, Illinois and HMG Engineers, Inc. for Engineering Services Related to the Vandebrook Drive Water Main Extension Project with a Not to Exceed Amount of \$56,400.00. Motion passed unanimously with Aldermen Darter, Buettner, Row, Heller, Notheisen, Thomas, Hopkins and Trantham voting yea.
  
  - B. Consideration and Action on Resolution No. 17-14 Authorizing the Execution of a Professional Services Agreement-Task Order No. 20 Between the City of Waterloo, Illinois and HMG Engineers, Inc. for Engineering Services Related to the Shady Springs Sanitary Sewer Improvement Project with a Not to Exceed Amount of \$40,000.00.  
Motion made by Alderman Hopkins and seconded by Alderman Heller to approve Action on Resolution No. 17-14 Authorizing the Execution of a Professional Services Agreement-Task Order No. 20 Between the City of Waterloo, Illinois and HMG Engineers, Inc. for Engineering Services Related to the Shady Springs Sanitary Sewer Improvement Project with a Not to Exceed Amount of \$40,000.00. Motion passed unanimously with Aldermen Hopkins, Trantham, Darter, Buettner, Row, Heller, Notheisen and Thomas voting yea.
  
  - C. Consideration and Action on Resolution No. 17-15 Authorizing the Execution of a Professional Services Agreement-Task Order No. 21 Between the City of Waterloo, Illinois and HMG Engineers, Inc. for Engineering Services Related to the 2017 Sewer Lining Project with a Not to Exceed Amount of \$18,000.00.  
Motion made by Alderman Notheisen and Seconded by Alderman Hopkins to Approve Action on Resolution No. 17-15 Authorizing the Execution of a Professional Services Agreement-Task Order No. 21 Between the City of Waterloo, Illinois and HMG Engineers, Inc. for Engineering Services Related to the 2017 Sewer Lining Project with a Not to Exceed Amount of \$18,000.00. Motion passed unanimously with Aldermen Notheisen, Thomas, Hopkins, Trantham, Darter, Buettner, Row and Heller voting yea.
  
11. Unfinished Business.  
None.
  
12. Miscellaneous Business.
  - A. Consideration and Action on Warrant No. 554.  
Motion made by Alderman Darter and seconded by Alderman Heller to approve Action on Warrant No. 554. Motion passed unanimously with Aldermen Darter, Buettner, Row, Heller, Notheisen, Thomas, Hopkins and Trantham voting yea.
  
  - B. Consideration and Action on Special Event Permit Application from the SS Peter and Paul Catholic Church for their Annual Church Picnic to be held on June 09 and 10, 2017.  
Motion made by Alderman Notheisen and seconded by Alderman Hopkins to approve Action Special Event Permit Application from the SS Peter and Paul Catholic Church for their Annual Church Picnic to be held on June 09 and 10, 2017. Motion passed unanimously with Aldermen Notheisen, Thomas, Hopkins, Trantham, Darter, Buettner, Row and Heller voting yea.

- C. Consideration and Action on Special Event Permit Application from the SS Peter and Paul Catholic Church for their Annual Pancake Ride to be held on June 10, 2017.  
Motion made by Alderman Row and seconded by Alderman Heller to approve Action on Special Event Permit Application from the SS Peter and Paul Catholic Church for their Annual Pancake Ride to be held on June 10, 2017. Motion passed unanimously with Aldermen Row, Heller, Notheisen, Thomas, Hopkins, Trantham, Darter and Buettner voting yea.
- D. Consideration and Action on Special Event Permit Application from the Life Network for their Annual Biking for Babies Event to be held on June 10, 2017.  
Motion made by Alderman Hopkins and seconded by Alderman Row to approve Action on Special Event Permit Application from the Life Network for their Annual Biking for Babies Event to be held on June 10, 2017. Motion passed unanimously with Aldermen Hopkins, Trantham, Darter, Buettner, Row, Heller, Notheisen and Thomas voting yea.
- E. Consideration and Action on Annual Membership Dues (Ruby Level) of \$2,500.00 with the Tourism Bureau to be paid out of the Hotel/Motel Tax Fund.  
Motion made by Alderman Heller and seconded by Alderman Darter to approve Action on Annual Membership Dues (Ruby Level) of \$2,500.00 with the Tourism Bureau to be paid out of the Hotel/Motel Tax Fund. Motion passed unanimously with Aldermen Heller, Notheisen, Thomas, Hopkins, Trantham, Darter, Buettner and Row voting yea.
- F. Consideration and Action on Participation in the Distribution Service from the Tourism Bureau of Illinois South for a cost of \$500.00 to be paid out of the Hotel/Motel Tax Fund.  
Motion made by Alderman Thomas and seconded by Alderman Hopkins to approve Action on Participation in the Distribution Service from the Tourism Bureau of Illinois South for a cost of \$500.00 to be paid out of the Hotel/Motel Tax Fund. Motion passed unanimously with Aldermen Thomas, Hopkins, Trantham, Darter, Buettner, Row, Heller and Notheisen voting yea.
- G. Consideration and Action on Waiver of the Building Permit and Inspection Fees for the SS Peter and Paul Catholic Church for a Window Replacement Project at the SPPS Grade School.  
Motion made by Alderman Heller and seconded by Alderman Row to approve Action on Waiver of the Building Permit and Inspection Fees for the SS Peter and Paul Catholic Church for a Window Replacement Project at the SPPS Grade School. Motion passed unanimously with Aldermen Heller, Notheisen, Thomas, Hopkins, Trantham, Darter, Buettner and Row voting yea.
- H. Consideration and Action on Waiver of Building Permit and Inspection Fees for the Eagle Scout Pavilion Project at 230 Bradford Lane for Human Support Services.  
Motion made by Alderman Notheisen and seconded by Alderman Darter to approve Action on Waiver of Building Permit and Inspection Fees for the Eagle Scout Pavilion Project at 230 Bradford Lane for Human Support Services. The motion as amended to add the City of Waterloo will donate \$300. Motion passed unanimously with Aldermen Notheisen, Thomas, Hopkins, Trantham, Darter, Buettner, Row and Heller voting yea.
- I. Consideration and Action on Approval of Commercial Site Plan Located at 1365 N. Illinois Route 3 for Bootsie's Bakery.  
Motion made by Alderman Heller and seconded by Alderman Notheisen to approve Action on Approval of Commercial Site Plan located at 1365 N. Illinois Route 3 for Bootsie's Bakery. Discussion. The new owner Jerry Sickmeyer explained the complex will be a gift shop, restaurant and bakery. Motion passed unanimously with Aldermen Heller, Notheisen, Thomas, Hopkins, Trantham, Darter, Buettner and Row voting yea.

- J. Consideration and Action on Purchase of a Fuel Valve in the Amount of \$24,222.00 from Solar Turbines Caterpillar Company.  
Motion made by Alderman Notheisen and seconded by Alderman Darter to approve Action on Purchase of a Fuel Valve in the Amount of \$24,222.00 from Solar Turbines, Caterpillar Company. Discussion. Director Tim Birk described the fuel valve and us for the city. Motion passed unanimously with Aldermen Notheisen, Thomas, Hopkins, Trantham, Darter, Buettner, Row and Heller voting yea.
- K. Consideration and Action on Purchase of a 2017 48-Foot Bucket Truck (Ford-Altec) from State Bid in the Amount of \$133,514.00 as Included in the 2017-2018 Budget.  
Motion made by Alderman Row and seconded by Alderman Trantham to approve Action on Purchase of a 2017 48-Foot Bucket Truck (Ford-Altec) from State Bid in the Amount of \$133,514.00 as Included in the 2017-2018 Budget. Motion passed unanimously with Aldermen Row, Heller, Notheisen, Thomas, Hopkins, Trantham, Darter and Buettner voting yea.
- L. Consideration and Action on Purchase of a 2017 Ford F-350 1-Ton Flat Bed Dump Truck from State Bid in the Amount of \$59,056.00 as Included in the 2017-2018 Budget.  
Motion made by Alderman Darter and seconded by Alderman Heller to approve Action on Purchase of a 2017 Ford F-350 1-Ton Flat Bed Dump Truck from State Bid in the Amount of \$59,056.00 as Included in the 2017-2018 Budget. Motion passed unanimously with Aldermen Darter, Buettner, Row, Heller, Notheisen, Thomas, Hopkins and Trantham voting yea.
13. Discussion of Matters by Council Members Arising After Agenda Deadline.  
Alderman Notheisen stated the Monarch Butterfly program at the library went well and the children were a pleasure to work with.  
Mayor Smith stated the Optimist Car Show was well attended with 165 entries.
14. Motion made by Alderman Notheisen and seconded by Alderman Thomas to adjourn. Motion passed by unanimous voice vote. Mayor Smith adjourned the meeting at 8:00 p.m.

**Barbara Pace,  
CITY CLERK**

**CITY OF WATERLOO, ILLINOIS  
COLLECTION REPORT**

	2016-2017 ACTUAL AMOUNT	2017-2018 BUDGETED AMOUNT	% INCREASE/ DECREASE	2016 MAY	2017 MAY	% INCREASE/ DECREASE	2016-2017 FISCAL YTD	2017-2018 FISCAL YTD	% INCREASE/ DECREASE
ELEC SALES	10,928,682.18	11,485,000.00	5.09%	678,121.79	909,048.29	34.05%	678,121.79	909,048.29	34.05%
ELEC TAX	267,262.30			17,454.49	22,163.57	26.98%	17,454.49	22,163.57	26.98%
ELECT MISC.	249,779.00	185,000.00	-33.94%	12,201.00	12,609.00	3.34%	12,201.00	12,609.00	3.34%
SUBTOTAL	11,445,723.48	11,650,000.00	1.78%	707,777.28	943,820.86	33.35%	707,777.28	943,820.86	33.35%
BEGINNING UNAPPLIED	452,042.85			39,128.98	30,387.46	-22.34%	39,128.98	30,387.46	-22.34%
UNAPPLIED CASH REC'D	121,448.58			11,537.64	7,125.66	-38.24%	11,537.64	7,125.66	-38.24%
UNAPPLIED DISBURSED	130,190.08			6,258.17	6,345.52	1.43%	6,258.17	6,345.52	1.43%
ENDING UNAPPLIED	443,301.33			44,410.45	31,167.60	-29.82%	44,410.45	31,167.60	-29.82%
GAS SALES	2,226,705.93	2,919,000.00	31.09%	237,619.85	265,610.60	11.78%	237,619.85	265,610.60	11.78%
GAS TAX	61,558.14			6,434.09	7,613.94	18.34%	6,434.09	7,613.94	18.34%
GAS MISC.	158,757.00	70,400.00	-55.66%	3,297.00	5,305.00	60.90%	3,297.00	5,305.00	60.90%
SUBTOTAL	2,447,021.07	2,989,400.00	22.16%	247,350.94	278,529.54	12.61%	247,350.94	278,529.54	12.61%
WATER SALES	2,146,492.75	2,363,000.00	10.09%	166,105.29	211,290.52	27.20%	166,105.29	211,290.52	27.20%
WATER MISC.	88,822.00	82,000.00	-7.68%	5,704.00	4,851.00	-14.95%	5,704.00	4,851.00	-14.95%
SUBTOTAL	2,235,314.75	2,445,000.00	9.38%	171,809.29	216,141.52	25.80%	171,809.29	216,141.52	25.80%
SEWER SALES	1,692,984.08	1,767,000.00	4.37%	133,816.13	161,032.48	20.34%	133,816.13	161,032.48	20.34%
SEWER MISC.	219,335.00	178,200.00	-19.67%	20,257.00	5,981.00	-70.47%	20,257.00	5,981.00	-70.47%
SUBTOTAL	1,912,319.08	1,943,200.00	1.61%	154,073.13	167,013.48	8.40%	154,073.13	167,013.48	8.40%
CITY TAX	483,286.24	504,000.00	4.29%	37,042.17	45,155.49	21.90%	37,042.17	45,155.49	21.90%
MISC.	27,895.00	31,700.00	13.64%	-626.00	3,913.00	725.08%	(626.00)	3,913.00	-725.08%
SUBTOTAL	511,181.24	535,700.00	4.80%	36,416.17	49,068.49	34.74%	36,416.17	49,068.49	34.74%
REFUSE FEE	712,392.25	750,450.00	5.34%	60,046.45	66,832.63	11.30%	60,046.45	66,832.63	11.30%
VEHICLE STICKER	-	-		-	-		-	-	
FINES	50,983.00	50,000.00	-1.89%	3,839.00	5,255.00	36.88%	3,839.00	5,255.00	36.88%
PERMITS	124,114.00	90,000.00	-27.49%	11,327.00	2,499.00	-77.94%	11,327.00	2,499.00	-77.94%
INSPECTION FEES	17,400.00	20,000.00	14.94%	1,950.00	825.00	-57.69%	1,950.00	825.00	-57.69%
FRANCHISE FEES	129,254.00	130,000.00	0.58%	17,602.00	17,715.00	0.64%	17,602.00	17,715.00	0.64%
LIQUOR LICENSE	7,030.00	7,000.00	-0.43%	43.00	20.00	-53.49%	43.00	20.00	-53.49%
INFRASTRUCTURE FEE	252,166.00	245,000.00	-2.84%	20,295.00	20,703.00	2.01%	20,295.00	20,703.00	2.01%
HOTEL/MOTEL TAX	24,205.00	22,000.00	-9.11%	2,074.00	1,249.00	-39.78%	2,074.00	1,249.00	-39.78%
MISC.	143,122.00	98,020.00	-31.51%	37,601.00	36,894.00	-1.88%	37,601.00	36,894.00	-1.88%
REPLACEMENT TAX	64,357.00	52,900.00	-17.80%	9,641.00	9,845.00	2.12%	9,641.00	9,845.00	2.12%
COUNTY TAX	348,623.00	395,000.00	13.30%	-	-		-	-	
SALES TAX	2,216,796.00	2,250,000.00	1.50%	162,492.00	160,654.00	-1.13%	162,492.00	160,654.00	-1.13%
BUSINESS DISTRICT TAX	91,643.00	90,000.00	-1.79%	6,827.00	6,807.00	-0.29%	6,827.00	6,807.00	-0.29%
VIDEO GAMING	83,455.00	84,000.00	0.65%	5,911.00	9,503.00	60.77%	5,911.00	9,503.00	60.77%
INCOME TAX	1,173,839.00	1,239,000.00	5.55%	78,222.00	67,968.00	-13.11%	78,222.00	67,968.00	-13.11%
SUBTOTAL	5,439,359.25	5,523,370.00	1.54%	417,870.45	406,769.63	-2.66%	417,870.45	406,769.63	-2.66%
MOTOR FUEL TAX	261,867.00	265,000.00	1.20%	22,328.00	21,481.00	-3.79%	22,328.00	21,481.00	-3.79%
MISC.	3,103.00	2,700.00	-12.99%	174.00	598.00	243.68%	174.00	598.00	243.68%
SUBTOTAL	264,970.00	267,700.00	1.03%	22,502.00	22,079.00	-1.88%	22,502.00	22,079.00	-1.88%
UTILITY DEPOSITS	123,425.00	-		14,700.00	9,075.00	-38.27%	14,700.00	9,075.00	-38.27%
<b>TOTAL DEPOSITS</b>	<b>24,500,762.43</b>	<b>25,354,370.00</b>	<b>3.48%</b>	<b>1,784,036.90</b>	<b>2,099,623.18</b>	<b>17.69%</b>	<b>1,784,036.90</b>	<b>2,099,623.18</b>	<b>17.69%</b>

**TREASURER'S REPORT  
CITY OF WATERLOO**  
For the month ending  
May 31, 2017

CHECKING ACCOUNT	BEGINNING BALANCE	RECEIPTS	DISBURSEMENTS	ENDING BALANCE
Petty Cash	\$ 497.98	\$ -	\$ -	\$ 497.98
Utility Deposit	67,846.72	9,075.00	8,600.00	68,321.72
General Fund	263,652.25	282,836.47	405,480.93	141,007.79
Motor Fuel Tax	55,820.11	27.80	22,335.66	33,512.25
Water Fund	376,078.04	215,409.60	143,230.75	448,256.89
Sewer Fund	403,927.70	166,863.11	120,783.38	450,007.43
Gas Fund	780,194.74	277,320.88	152,251.62	905,264.00
Electric Fund	963,094.03	948,985.04	770,635.62	1,141,443.45
Capital Improvements	356,319.85	47,803.88	-	403,923.73
D.A.R.E.	50.24	2,500.00	1,374.29	1,175.95
Interest	-	2,628.77	-	2,628.77
Hotel/Motel Tax	116,515.72	1,248.70	-	117,764.42
<b>TOTALS:</b>	<b>\$3,383,997.38</b>	<b>\$1,954,499.25</b>	<b>\$1,624,692.25</b>	<b>\$3,713,804.38</b>

INVESTED FUNDS				
Capital Improvements	\$ 2,248,462.87	2,325.19	-	\$ 2,250,788.06
Electric	\$ 4,451,689.67	4,603.61	-	\$ 4,456,293.28
E-Pay Utility Bills	4,230.68	39,549.74	34,177.11	9,603.31
Farm Account Income	127,717.43	16.27	-	127,733.70
Gas	3,873,144.11	4,005.32	-	3,877,149.43
General Fund	6,844,187.21	240,200.44	\$4,000.14	7,080,387.51
Motor Fuel	613,022.11	22,411.68	360.13	635,073.66
Pension Reserve	1,398,293.54	296.90	-	1,398,590.44
Sewer	1,780,077.93	1,840.82	-	1,781,918.75
Utility Deposits	303,674.24	314.04	-	303,988.28
Water	1,843,249.06	1,906.15	-	1,845,155.21
<b>Total Invested Funds:</b>	<b>\$23,487,748.85</b>	<b>\$317,470.16</b>	<b>\$38,537.38</b>	<b>\$23,766,681.63</b>

<b>Total All City Funds:</b>	<b>\$26,871,746.23</b>	<b>\$2,271,969.41</b>	<b>\$1,663,229.63</b>	<b>\$27,480,486.01</b>
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Debt and Pension Obligations	Date Opened	Original Balance	Current Balance	Rate	Payment Dates
IEPA Sewer Loan	5/24/2007	\$12,372,060.00	\$7,103,314.60	2.50%	Jan and July
Unfunded Actuarial Accrued Liability - IMRF			\$2,046,400.00		
Unfunded Actuarial Accrued Liability - Police			\$2,869,014.00		
<b>Total Liabilities</b>		<b>\$12,372,060.00</b>	<b>\$12,018,728.60</b>		

Respectfully Submitted,

*Brad A. Papenberg*  
Brad A. Papenberg  
City Treasurer

June 19, 2017

To: Mayor Tom Smith  
City Attorney  
City Aldermen

Re: Treasurer's Report

Attached, please find the May 31, 2017 Treasurer's Report for the City of Waterloo.

I welcome any questions or comments you may have about this report. I can be reached at State Bank of Waterloo weekdays from 8:00 AM – 5:00 PM. The phone number is 618-939-7194.

Sincerely,

A handwritten signature in black ink that reads "Brad A. Papenberg". The signature is written in a cursive style with a large, prominent initial "B".

Brad A Papenberg  
City Treasurer





AGENDA REQUEST

(Submit by 12:00 p.m. on Wednesday before the meeting date requested.)

1. Request is made for placement on the agenda for meeting to be held on:

July 19, 2017

(Date)

2. Description of matter to be placed on agenda:

Reappointment of Jared Nobbe to the Library Board for a Three-Year Term to  
Expire on 06-30-20.

3. Relief or action to be requested:

Appointment.

4. Submittal date: 06-02-17

Submitted by:

Mayor Tom Smith

DISPOSITION

5.          Matter to be placed on agenda for meeting date requested.

         Matter to be placed on agenda for meeting to be held on         

         Matter referred to         



\_\_\_\_\_  
Mayor

AGENDA REQUEST

(Submit by 12:00 p.m. on Wednesday before the meeting date requested.)

1. Request is made for placement on the agenda for meeting to be held on:  
July 19, 2017  
(Date)
  
2. Description of matter to be placed on agenda:  
Reappointment of Vickie Gardner to the Library Board for a Three-Year Term to  
Expire on 06-30-20.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
3. Relief or action to be requested:  
Appointment.  
\_\_\_\_\_
  
4. Submittal date: 06-02-17  
  
Submitted by:  
Mayor Tom Smith  
\_\_\_\_\_  
\_\_\_\_\_

DISPOSITION

5. \_\_\_\_\_ Matter to be placed on agenda for meeting date requested.  
  
\_\_\_\_\_ Matter to be placed on agenda for meeting to be held on \_\_\_\_\_  
  
\_\_\_\_\_ Matter referred to \_\_\_\_\_

  
\_\_\_\_\_  
Mayor

AGENDA REQUEST

(Submit by 12:00 p.m. on Wednesday before the meeting date requested.)

1. Request is made for placement on the agenda for meeting to be held on:  
July 19, 2017  
(Date)
  
2. Description of matter to be placed on agenda:  
Reappointment of Sharon Glessner to the Library Board for a Three-Year Term to  
Expire on 06-30-20.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
3. Relief or action to be requested:  
Appointment.  
\_\_\_\_\_
  
4. Submittal date: 06-02-17  
  
Submitted by:  
Mayor Tom Smith  
\_\_\_\_\_  
\_\_\_\_\_

DISPOSITION

5. \_\_\_\_\_ Matter to be placed on agenda for meeting date requested.  
\_\_\_\_\_ Matter to be placed on agenda for meeting to be held on \_\_\_\_\_  
\_\_\_\_\_ Matter referred to \_\_\_\_\_

  
\_\_\_\_\_  
Mayor

AGENDA REQUEST

(Submit by 12:00 p.m. on Wednesday before the meeting date requested.)

1. Request is made for placement on the agenda for meeting to be held on:

July 19, 2017

(Date)

2. Description of matter to be placed on agenda:

Consideration and Action on Ordinance No. 1728 Providing for the Vacation of an Alley Situated in the City of Waterloo, Illinois.

3. Relief or action to be requested:

Approval.

4. Submittal date: 06-02-17

Submitted by:

Mayor Tom Smith

DISPOSITION

5.          Matter to be placed on agenda for meeting date requested.

         Matter to be placed on agenda for meeting to be held on         

         Matter referred to         

  
\_\_\_\_\_  
Mayor

**CITY OF WATERLOO, ILLINOIS**

**ORDINANCE NO. 1728**

**AN ORDINANCE PROVIDING FOR THE VACATION OF AN ALLEY  
SITUATED IN THE CITY OF WATERLOO, ILLINOIS**

Adopted by the  
City Council  
of the  
City of Waterloo, Illinois  
this 19<sup>th</sup> day of June, 2017

Published in pamphlet form by  
authority of the City Council  
of the City of Waterloo, Illinois  
this 19<sup>th</sup> day of June, 2017

**ORDINANCE NO. 1728**

**AN ORDINANCE PROVIDING FOR THE VACATION OF AN ALLEY  
SITUATED IN THE CITY OF WATERLOO, ILLINOIS**

**WHEREAS**, the abutting property owners of an alley described in Exhibit A attached hereto in the City of Waterloo, Illinois petitioned the city for the vacation described in Exhibit A and Exhibit B; and, the members of the City Council of the City of Waterloo, Illinois deem it to be in the public interest to vacate said property as described herein; and,

**WHEREAS**, authority is given the City to vacate property when the public interest will be served by said vacation, by the laws of the State of Illinois, 65 ILCS 5/11-91-1, 2.

**NOW THEREFORE, BE IT HEREBY ORDAINED**, by the City Council of the City of Waterloo Illinois as follows:

**SECTION 1.** The preambles are incorporated as findings of the City Council of the City of Waterloo.

**SECTION 2.** The property described in Exhibit A and, which are attached hereto and incorporated herein by reference, is vacated.

**SECTION 3.** Title to TRACT A as described in Exhibit A devolves upon the James R. Feldmeier Trust, the abutting property owner.

**SECTION 4.** Title to TRACT B, as described in Exhibit A., devolves upon Saints Peter and Paul's Roman Catholic Church of Waterloo, the abutting property owner.

**SECTION 5.** A pictorial description of this vacation is attached hereto as Exhibit B.

**SECTION 6.** The City does reserve to itself an easement extending the length and breadth of the property described in Exhibit A for the construction, maintenance and operation or reconstruction of utilities in, through, or under the same.

**SECTION 7.** The vacation aforesaid is subject to the rights of all public utilities in the alley, and the person or parties requesting such vacation shall be responsible to the public utilities for any vacating, rearrangement or relocating costs in the event the same are necessary without any cost to the City of Waterloo.

**SECTION 8.** All costs of recording documents in the above vacation to be paid by the abutting property owners.

**SECTION 9.** All ordinances or parts of ordinances conflicting with the provisions of this ordinance are hereby repealed.

**PASSED** this 19<sup>th</sup> day of June, 2017, pursuant to a roll call vote as follows:

**YEAS:** \_\_\_\_\_

**NAYS:** \_\_\_\_\_

**ABSENT:** \_\_\_\_\_

**ABSTENTION:** \_\_\_\_\_

**APPROVED** by me this 19<sup>th</sup> day of June, 2017.

\_\_\_\_\_  
Thomas Smith, Mayor  
City of Waterloo, IL

**ATTESTED:** Filed in my office, and published in pamphlet form this 19<sup>th</sup> day of June, 2017.

\_\_\_\_\_  
Barbara Pace, City Clerk  
City of Waterloo, IL



December 21, 2016

Descriptions for Waterloo's Alley Vacation in Block 17 of Martin's Addition as would be split if Mr. Feldmeier is deeded half of alley adjacent to his property, Lot 21.

James R. Feldmeier Trust Tract A

The North Half of the twenty foot (20') wide vacated alley in Block 17 of Martin's Addition to the City of Waterloo adjacent to Lot 21 of said Block 17 of Martin's Addition.

Subject to a utility easement to the City of Waterloo on the entire above described tract.

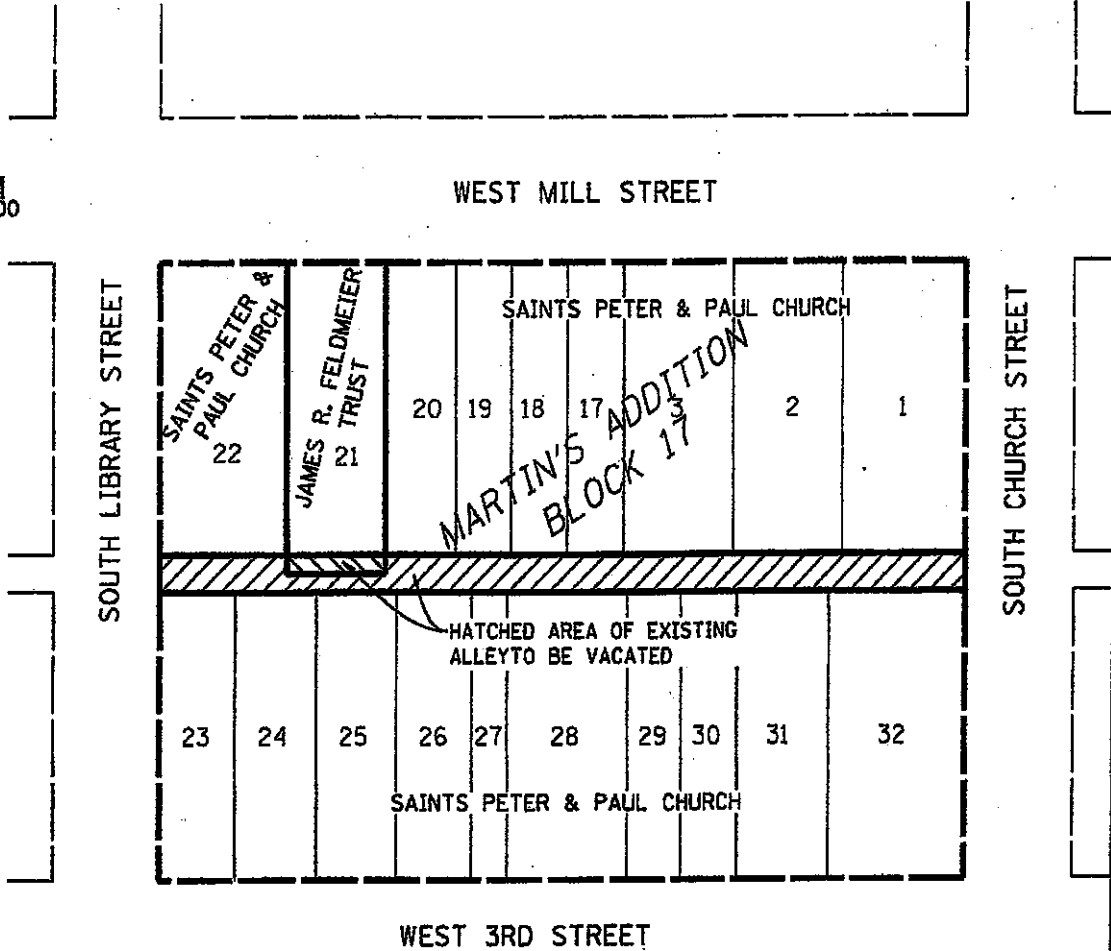
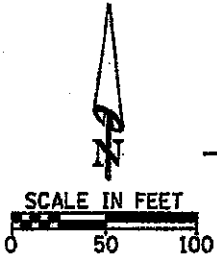
Saints Peter & Paul Church Tract B

All that part of the twenty foot (20') wide vacated alley in Block 17 of Martin's Addition to the City of Waterloo. The alley limits bounded by South Library Street on the west and South Church Street on the east. Excepting the North Half of said twenty foot (20') wide vacated alley in Block 17 adjacent to Lot 21 of said Block 17 of Martin's Addition.

Subject to a utility easement to the City of Waterloo on the entire above described tract.

# VACATION EXHIBIT

PART OF MARTIN'S ADDITION TO THE CITY OF WATERLOO,  
A SUBDIVISION LOCATED IN PART OF THE NE 1/4 OF SECTION 25,  
TOWNSHIP 2 SOUTH, RANGE 10 WEST OF THE THIRD PRINCIPAL MERIDIAN,  
CITY OF WATERLOO, MONROE COUNTY, ILLINOIS



WEST 3RD STREET

**LEGAL DESCRIPTION OF ALLEY TO BE VACATED:**

ALL THAT PART OF THE TWENTY FOOT (20') WIDE ALLEY IN BLOCK 17 OF MARTIN'S ADDITION TO THE CITY OF WATERLOO. THE ALLEY'S LIMITS BOUNDED BY SOUTH LIBRARY STREET ON THE WEST AND SOUTH CHURCH STREET ON THE EAST.

THE CITY OF WATERLOO RESERVES A TWENTY FOOT (20') WIDE UTILITY EASEMENT ALONG THE ABOVE DESCRIBED VACATED ALLEY.

**SURVEYOR'S CERTIFICATE:**

THIS IS TO CERTIFY THAT AT THE REQUEST OF THE CITY OF WATERLOO, MONROE COUNTY, ILLINOIS, WE HAVE PREPARED THE ABOVE PLAT OF VACATION BASED ON PREVIOUS RECORDED DOCUMENTS.

BY   
DOUGLAS J. RATERMANN, PLS NO. 3667  
LICENSE EXPIRES NOVEMBER 30, 2018



HMG ENGINEERS, INC.  
CONSULTING ENGINEERS  
CARLYLE, ILLINOIS 62231  
CORPORATION LICENSE NO. 184-000899  
HMG NO. 7475      DECEMBER 20, 2016



AGENDA REQUEST

(Submit by 12:00 p.m. on Wednesday before the meeting date requested.)

1. Request is made for placement on the agenda for meeting to be held on:  
July 19, 2017  
(Date)
  
2. Description of matter to be placed on agenda:  
Consideration and Action on Resolution No. 17-16 Supporting the Request and  
Maintenance of a Piece of Military Equipment to be Displayed at the Veteran's  
Memorial Located in Lakeview Park.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
3. Relief or action to be requested:  
Approval.  
\_\_\_\_\_
  
4. Submittal date: 06-09-17  
  
Submitted by:  
Mayor Tom Smith  
\_\_\_\_\_  
\_\_\_\_\_

DISPOSITION

5. \_\_\_\_\_ Matter to be placed on agenda for meeting date requested.  
  
\_\_\_\_\_ Matter to be placed on agenda for meeting to be held on \_\_\_\_\_  
  
\_\_\_\_\_ Matter referred to \_\_\_\_\_

  
\_\_\_\_\_  
Mayor

**RESOLUTION NO. 17-16**

**A RESOLUTION IN SUPPORT OF THE REQUEST FOR AND THE MAINTENANCE OF A PIECE OF MILITARY EQUIPMENT TO BE DISPLAYED AT THE VETERAN'S MEMORIAL LOCATED IN LAKEVIEW PARK.**

**WHEREAS**, it is of great importance to pass on the legacy of remembrance and respect for the men and women who have served our country in the military;

**WHEREAS**, it would be a great asset for a piece of military equipment to be entrusted to the City of Waterloo's Veteran's Memorial, located in Lakeview Park;

**WHEREAS**, the Waterloo Park District and the City of Waterloo wish to create a greater public awareness of the role Veterans play in providing for our country's freedom.

**NOW, THEREFORE, BE IT RESOLVED**, by the City Council and the Mayor that the City of Waterloo, that a piece of military equipment will be placed on City Property or public park land.

**PASSED** by the City Council and approved by the Mayor of the City of Waterloo this 19<sup>th</sup> day of June, 2017.

**AYES:** \_\_\_\_\_

**NAYES:** \_\_\_\_\_

**ABSENT:** \_\_\_\_\_

**ABSTAINED:** \_\_\_\_\_

**APPROVED:**

\_\_\_\_\_  
Thomas G. Smith, Mayor

**ATTESTED:**

\_\_\_\_\_  
Barbara Pace, City Clerk


**AGENDA REQUEST**

(Submit by 12:00 p.m. on Wednesday before the meeting date requested.)

1. Request is made for placement on the agenda for meeting to be held on:  
June 19, 2017  
(Date)
2. Description of matter to be placed on agenda:  
Consideration and Action on the Remlock Phase 3 Improvement Plans and  
authorizing the mayor to sign related EPA permits.
3. Relief or action to be requested:  
Approval and Signing of Permits
4. Submittal date: June 14, 2017  
  
Submitted by:  
James Nagel, Subdivision Administrator

**DISPOSITION**

5. \_\_\_\_\_ Matter to be placed on agenda for meeting date requested.  
\_\_\_\_\_ Matter to be placed on agenda for meeting to be held on \_\_\_\_\_  
\_\_\_\_\_ Matter referred to \_\_\_\_\_

  
\_\_\_\_\_  
Mayor



# MEMORANDUM

**To:** Mayor Smith and Aldermen  
**From:** Jim Nagel  
**Date:** June 14, 2017  
**Subject:** Remlock Phase III, Improvement Plans

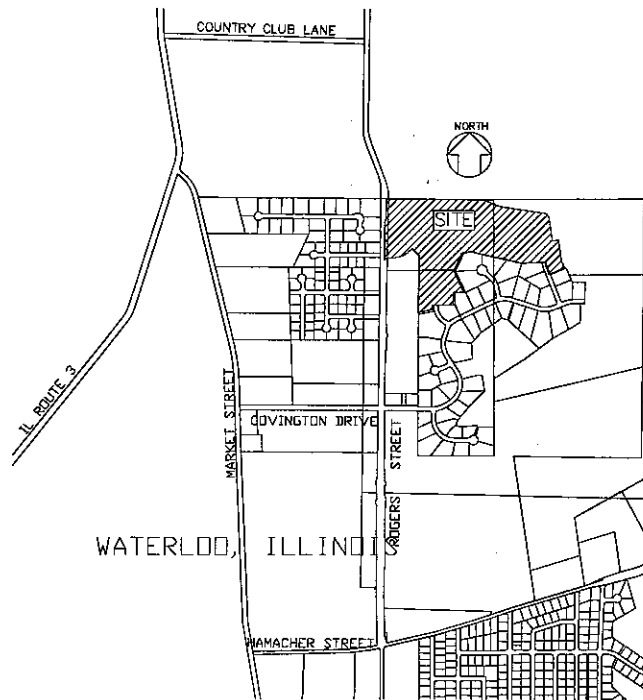
The improvement plans for Remlock Phase III meet all requirements for approval. The fees have been paid, the plans have been through the joint plat review process and the necessary revisions have been made, HMG has reviewed the hydraulic calculations, and the drawings include those items required by the Subdivision Code.

I recommend approval of the Remlock Phase III Improvement plans and the signing of the IEPA permits.

Jim Nagel,  
Zoning / Subdivision Administrator

# IMPROVEMENT PLANS FOR REMLOK PHASE 3

A PART OF U.S. SURVEY 641, CLAIM 1645, T.2 S., R. 9 W.  
OF THE 3RD P.M., MONROE COUNTY, IL.



## GENERAL NOTES

- 1) Install erosion control measures (silt fence, wash down area) prior to start of construction.
- 2) If straw bales or siltation fence are destroyed by heavy rains, vandalism, etc., they are to be replaced immediately by contractor.
- 3) The contractor is responsible for meeting all IEPA-NPDES stormwater permit requirements for construction site activities. Contractor shall comply with all provisions of IEPA standards and specifications for soil erosion and sediment control.
- 4) The developer and his contractor shall be responsible for installing the siltation control as approved by the City of Waterloo, Illinois prior to commencing with the grading because of unfavorable found conditions.
- 5) Underground facilities, structures and utilities have been plotted from available records and surface observations, and therefore, the relationship between proposed work and existing facilities, structures and utilities must be considered approximate, and it is the contractor's responsibility to notify all the local or governing utility companies prior to construction to determine their exact location and the existence of any not shown.
- 6) This parcel is zoned "R-2", Residential "One-Family Dwelling District".
- 7) Soil materials in fill areas under pavements and buildings shall be compacted to 90% of maximum dry density (modified proctor ASTM-D-1557).
- 8) Soil materials remaining in cut areas under pavements and buildings shall be scarified 8" and recompact to 90% of maximum dry density (modified proctor ASTM-D-1557).
- 9) Soil materials in non-paved areas shall be compacted to 90% of maximum dry density (standard proctor ASTM-D-698-002).
- 10) A copy of all soil test reports and concrete testing shall be provided to the city of Waterloo, Illinois for review.
- 11) The developer shall contract with a soil consultant firm registered in the State of Illinois during the grading operation to monitor cuts and fills and to verify proper compaction has been achieved. A report shall be prepared by the soil consultant and provided to the City of Waterloo, Illinois for verification of the grading operation testing.
- 12) All fire hydrants shall be three(3)-way Mueller type hydrant in accordance with city of Waterloo Standards, the main nozzle of the hydrant shall face the street. Fire hydrants shall not be placed more than 15' from the back of curb of the nearest street.
- 13) Waterlines, valves, hydrants, water meters and connections shall be constructed in accordance with the City of Waterloo, Illinois standards and specifications. The City of Waterloo uses Mueller products and cannot accept substitutions.
- 14) All waterlines, force mains, sanitary sewers and storm sewers shall be constructed in accordance with the "Standard Specifications for Water and Sewer Main Construction in Illinois", dated May 1996 and the city of Waterloo construction details.
- 15) All household water services shall be 1" copper. Installed in accordance with the City of Waterloo Standards.
- 16) Water meters for household services shall be set within the public right of way.
- 17) The contractor shall construct all sanitary sewers in accordance with the standard specifications for water and sewer main construction in Illinois and the city of Waterloo construction details.
- 18) All sanitary manhole tops shall be set 0.2 feet higher than the proposed ground except in pavement areas.
- 19) All storm sewer pipe, regardless of size, shall be reinforced concrete pipe (ASTM C-76, Class III) unless noted otherwise in the plans.
- 20) All standard street curb inlets to have front of inlet 2 feet behind curb. Inlet shall be constructed per the city of Waterloo construction details.
- 21) A drop of 0.2 feet is required through each storm sewer structure.
- 22) Brick shall not be used to construct manholes.
- 23) All trench backfills under paved areas shall be to the city of Waterloo construction details.
- 24) All concrete for entrances, walks, curbs & drives shall have a fc of 4000psi, 0.45 water cement ratio, 5% air entrainment and 3" slump and shall be class "PV" for pavement and class "SI" for sidewalks.
- 25) All walks shall be thickened to 6" at driveways.
- 26) Contractor to install handicap ramps at all intersections. See detail for typical location unless shown on plans.
- 27) Internal subdivision streets shall be constructed to the city of Waterloo standards.
- 28) Temporary gravel turn arounds shall be constructed at the end of streets to be extended.
- 29) No slope out or fill shall exceed 3 horizontal to 1 vertical.
- 30) The contractor shall prevent mud, construction materials, and debris originating on this site off of the public right of way.
- 33) Existing trees on site shall be protected from damage during construction.
- 34) All trash and debris on-site, either existing or from construction, must be removed and disposed of off-site.

35) Owner/Developer assumes full responsibility as to the performance of the grading operation and assurance that all properties and roads will be adequately protected.

36) There shall be no obstruction, i.e. plantings, bushes, trees, signs, light standards, mailboxes, etc. within six (6) feet of any fire hydrant in all directions.

37) The Developer shall construct the subdivision in accordance with the requirements, rules, regulations, laws and ordinances of the City of Waterloo, Illinois and the State of Illinois.

38) All sanitary manholes shall be inspected and tested for leakage for watertightness in accordance with ASTM 969-94- "Standard Practice for Infiltration and Exfiltration Acceptance Testing of Installed Precast Concrete Pipe Sewer Lines", Vol. 04.05, Chemical Resistant Materials, Vitrified Clay, Concrete, Fiber-Cement Products; Martens; Masonry (1996) (no later editions or amendments) or current ASTM "Standard Test Method for Concrete Sewer Manholes by the Negative Pressure (Vacuum) Test" Vol. 04.05, Chemical Resistant Materials, Vitrified Clay, Concrete, Fiber-Cement Products; Martens; Masonry (1996) (no later editions or amendments) prior to placing into service.

39) Seeding shall be done according to Article 250 of the Standard Specifications, Class 2 roadside mixture. Either winter wheat (60 lbs/acre) or spring oat (55 lbs/acre) (depending on time of year) shall be added to the mixture. Fertilizer shall be applied at minimum rate of 270 lbs/acre of 90-90-90 prior to seeding. All areas permanently seeded shall be mulched in accordance with Article 257 of the Standard Specifications and stabilized as per Method 2, Procedure 2.

40) If elevation of lowest floor is below Lowest Floor Elevation shown on plans, ejector pump is required. Lowest Floor Elevations calculated using sanitary sewer elevations plus 1.5' for lots on the same side of street and 2' for lots on opposite side of street.

## OWNER'S CERTIFICATION

DENNIS R. BRAND TRUST, DENNIS R. BRAND TRUSTEE & VIRGINIA L. BRAND TRUST, VIRGINIA L. BRAND TRUSTEE HEREBY CERTIFIES THAT THE DRAINAGE FACILITIES FOR "REMLOK PHASE 3" SHALL BE CONSTRUCTED ACCORDING TO THE DESIGN PRESENTED IN THESE PLANS AND IN THE DRAINAGE REPORT. I UNDERSTAND THAT THE CITY OF WATERLOO DOES NOT AND WILL NOT ASSUME LIABILITY FOR THE DRAINAGE FACILITIES DESIGNED AND OR CERTIFIED BY MY ENGINEER. I UNDERSTAND THAT THE CITY OF WATERLOO REVIEWS DRAINAGE PLANS BUT CANNOT, ON BEHALF OF "REMLOK PHASE 3" GUARANTEE THAT FINAL DRAINAGE DESIGN REVIEW WILL ABSOLVE DENNIS R. BRAND TRUST, DENNIS R. BRAND TRUSTEE & VIRGINIA L. BRAND TRUST, VIRGINIA L. BRAND TRUSTEE AND/OR THEIR SUCCESSORS AND/OR ASSIGNS THE FUTURE LIABILITY FOR IMPROPER DESIGN.

DENNIS R. BRAND, TRUSTEE

VIRGINIA L. BRAND, TRUSTEE

## LIST OF UTILITIES

GAS - CITY OF WATERLOO, 104 WEST FOURTH STREET, WATERLOO, ILLINOIS 62298, 618-939-6040  
ELECTRICITY - CITY OF WATERLOO, 104 WEST FOURTH STREET, WATERLOO, ILLINOIS 62298, 618-939-6040  
SANITARY SEWER - CITY OF WATERLOO, 104 WEST FOURTH STREET, WATERLOO, ILLINOIS 62298, 618-939-6040  
WATER - CITY OF WATERLOO, 104 WEST FOURTH STREET, WATERLOO, ILLINOIS 62298, 618-939-6040  
TELEPHONE - HARRISONVILLE TELEPHONE COMPANY, 213 SOUTH MAIN STREET, WATERLOO, ILLINOIS 62298, 618-939-6112  
CABLE T.V. - CHARTER CABLE, 210 WEST DIVISION, MARYVILLE, ILLINOIS 62062, 618-345-9150  
J.U.L.I.E. - 1-800-892-0123

## INDEX OF SHEETS

- C-1.0 COVER SHEET
- C-2.0 GRADING/EROSION CONTROL PLAN
- C-2.1 GRADING/EROSION CONTROL PLAN
- C-2.2 EROSION CONTROL DETAILS
- C-3.0 SITE PLAN
- C-3.1 SITE PLAN
- C-5.0 STREET PROFILE
- C-5.1 STREET PROFILE
- C-6.0 SANITARY SEWER PROFILES
- C-6.1 SANITARY SEWER PROFILES
- C-7.0 STORM SEWER PROFILES
- C-7.1 STORM SEWER PROFILES
- C-7.2 STORM SEWER PROFILES
- C-8.0 WATER MAIN DETAILS
- C-8.1 WATER MAIN DETAILS
- C-9.0 STORM SEWER DETAILS
- C-9.1 STORM SEWER DETAILS
- C-10.0 SANITARY SEWER DETAILS
- C-11.0 PAVEMENT DETAILS
- C-11.1 SIDEWALK DETAILS

## CIVIL/SITE ABBREVIATIONS

ASPH	Asphalt	PC	Point of Curvature
AI	Area Inlet	PCC	Portland Cement Concrete
BC	Bottom of Curb	PG	Page
BIT	Bituminous	PI	Point of Intersection
BK	Book	PV	Peak Indicator Valve
BM	Benchmark	PL P	Property Line
BOP	Beginning Of Project	PP	Power Pole
CB	Catch Basin	PROP	Proposed
CL, C	Centerline	PS	Pounds per square Inch
CI	Cast Iron	PT	Point of Tangency
CJ	Construction Joint	PVC	Point of Vertical Curvature
CMP	Corrugated Metal Pipe	PWT	Pavement
CONC	Concrete	PVT	Point of Vertical Tangency
D	Degree of Curve	R, RAD	Radius
DCB	Double Catch Basin	RCP	Reinforced Concrete Pipe
DI	Ductile Iron Pipe	RD	Road
DIA	Diameter	RHW	Right of Way
DM	Dimension	RTE	Route
DWD	Do Not Disturb	S	South
E	East	SP	Spaces
ELEC	Electric	SPECS	Specifications
ELEV	Elevation	SS	Sanitary Sewer
EOP	End Of Project	ST	Storm Sewer
EQ	Equal	STA	Station
EXIST, EX	Existing	STL	Steel Pipe
EXP JT	Expansion Joint	T	Top of
FF	Finished Floor	T&A	To Be Abandoned
FI	Fire Hydrant	T&AF	To Be Abandoned and Filled
FL	Flow Line (Invert)	T&R	To Be Removed
FP	Fire Protection	TC	Top of Curb
G	Natural Gas	TE	Telephone
HORIZ	Horizontal	TELE	Telephone
ID	Inside Diameter	TW	Top of Wall
INTER	Intermediate	TYP	Typical
INV	Invert (Flowline)	UG	Underground
L	Length of Curve	USE	Use in Place
MAX	Maximum	UE	Underground Electric
MH	Manhole	VAC	Vacated
MI	Minimum	VERT	Vertical
MISC	Miscellaneous	VPI	Vertical PI
MON	Monument	VPC	Vertical PC
N	North	VPT	Vertical PT
N.A.C.	Not In Contract	W	Wast
NO	Number	W/W	With
OC	On Center	WM	Water Meter
OD	Outside Diameter	W/F	Welded Wire Fabric
OH	Overhead	U/P	Use in Place
ORD	Ordinance	UNO	Unless Noted Otherwise
PS	Plot Book	UT	Underground Telephone

## LEGEND

FF 000.00	Finish Floor Elevation
LF 000.00	Lowest Floor Elevation
ST	Storm Sewer Line
SAN	Sanitary Sewer Line
FM	Force Main
TEL	Telephone Line
GAS	Gas Line
OC	Overhead Electric
UC	Underground Electric
X-X	Silt Fence or Straw Bales
V	Water Line
BL	Building Line
PL	Property Line
ES	Easements
[Stippled Area]	Gravel Area
[Dotted Area]	Concrete Area
Valve	Valve
TEE	TEE
Fire Hydrant	Fire Hydrant
Manhole	Manhole
Curb Inlet	Curb Inlet
FES	FES
MH-1-1	STRUCTURE TYPE LINE & STRUCTURE NUMBER Storm Structure Flag
MH-1-1	STRUCTURE TYPE LINE & STRUCTURE NUMBER Sanitary Sewer Flag

DEVELOPER:  
D & A BUILDERS  
1187 MOORE ROAD  
WATERLOO, IL 62298  
(618) 939-7183  
Contact: Dennis Brand

ENGINEER:  
WGW ENGINEERING, LLC  
WAYNE G. WALLER, P.E.  
6800 COUNTRY LANE  
MASCOUTAH, IL 62258  
(618) 304-3635

IDPR - PROFESSIONAL DESIGN FIRM LICENSE  
NUMBER 184-004737 EXPIRES 30 APRIL 2019

GROSS AREA = 37.45 AC  
ROW AREA = 3.69 AC  
NET LOT AREA = 33.76 AC

OWNERS:  
DENNIS R. BRAND TRUST, DENNIS R.  
BRAND TRUSTEE & VIRGINIA L. BRAND  
TRUST, VIRGINIA L. BRAND TRUSTEE  
1187 MOORE ROAD  
WATERLOO, IL 62298  
(618) 939-7183

SURVEYOR:  
HENEAGHAN AND ASSOCIATES, P.C.  
JAMES M. VOGT, P.L.S., P.E.  
310A VISION DRIVE  
COLUMBIA, IL 62236  
(618) 281-8133

IDPR - PROFESSIONAL DESIGN FIRM LICENSE  
NUMBER 184-002692 EXPIRES 30 APRIL 2019

SITE BENCHMARK:  
TOP CONCRETE MONUMENT W/ALUMINUM DISK @  
S.E. CORNER OF "REMLOK PROFESSIONAL PARK"  
ELEVATION: 203.626 NAVD 88  
U.S. FEET: 203.626(3937)/1200 = 667.75

Prepared For:  
D & A BUILDERS  
1187 MOORE RD.  
WATERLOO, IL 62298  
(618) 939-7183

ENGINEER:  
WGW ENGINEERING, LLC  
6800 COUNTRY LANE  
MASCOUTAH, IL 62258  
(618) 304-3635

SURVEYOR:  
HENEAGHAN AND  
ASSOCIATES, P.C.  
310A VISION DRIVE  
COLUMBIA, IL 62236  
(618) 281-8133

Scale:

Lic. Exp.

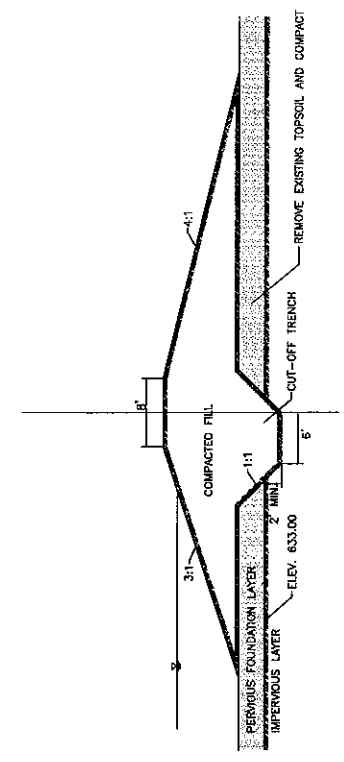
REMLOK PHASE 3  
COVER SHEET

Revisions:  
PER CITY OF  
WATERLOO  
COMMENTS  
01/05/2011  
UPDATED DATES  
& ADDED  
EASMENTS  
02/06/2017  
PER CITY  
COMMENTS &  
CODES  
04/27/2017

Drawn By:  
WGW

Date:  
12/15/2010

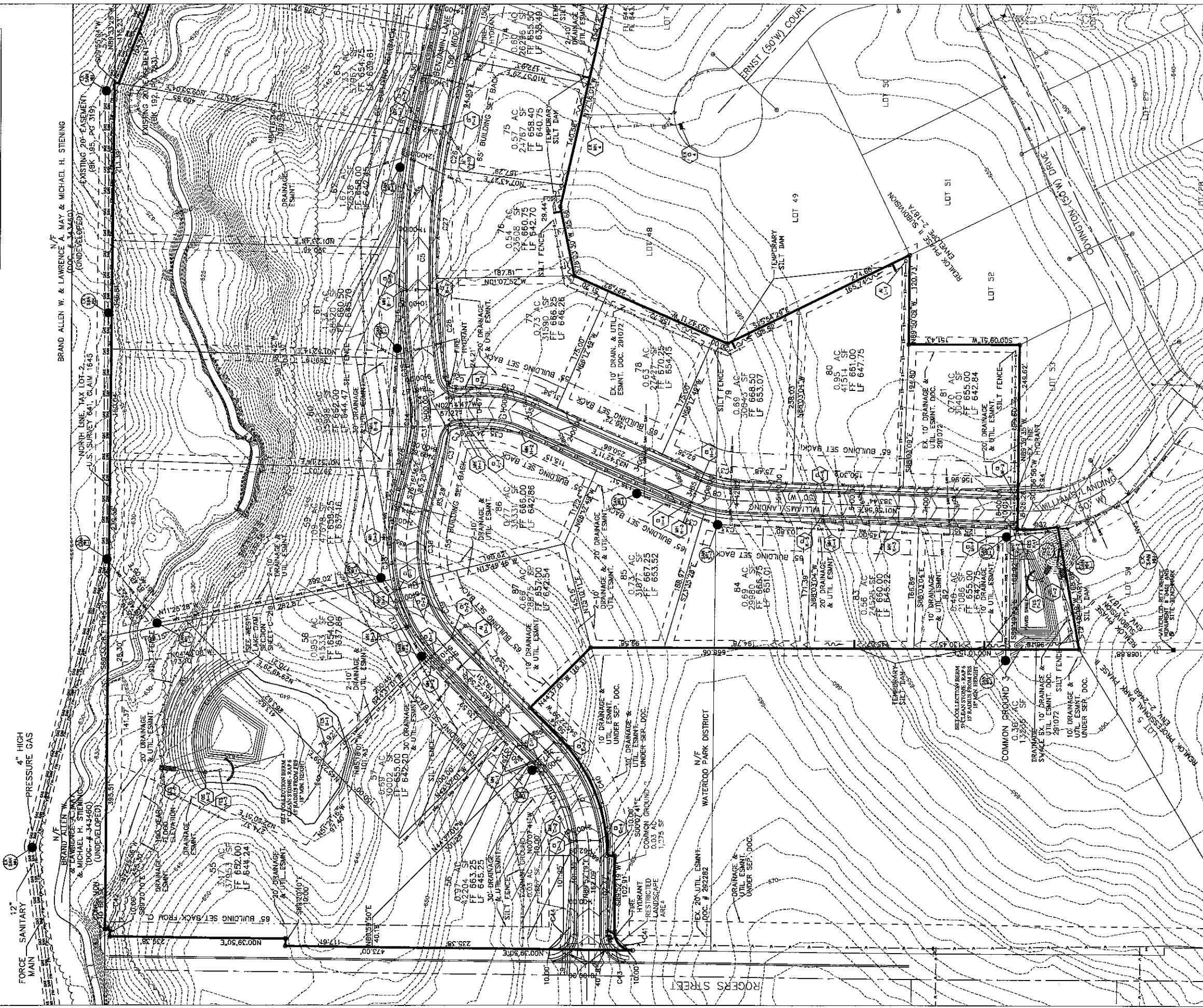
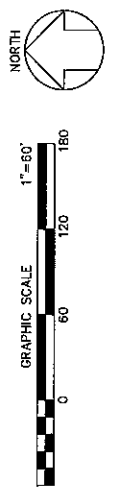
C-1.0  
OF 20



WEST LAKE DAM SECTION

**LEGEND**

- FIRE HYDRANT
- WATER VALVE
- CURB INLET
- MANHOLE/OUTFALL
- STORM SEWER
- SANITARY SEWER
- WATER LINE
- BUILDING LINE
- CENTERLINE ROAD
- EASEMENT
- LOT LINE
- STONE FOUND
- CONC. MON. SET
- IRON PIN FOUND
- IRON BAR SET



Prepared For:  
**D & A BUILDERS**  
 1187 MOORE RD.  
 WATERLOO, IL 62298  
 (618) 938-7183

ENGINEER:  
**GW ENGINEERING, LLC**  
 6800 COUNTRY LANE  
 MASCOUTAH, IL 62236  
 (618) 394-3635

SURVEYOR:  
**HIENEHGAN AND ASSOCIATES, P.C.**  
 310A VISION DRIVE  
 COLUMBIA, IL 62236  
 (618) 281-8133

Seal:  
 Lic. Exp.

**REMLOK PHASE 3  
 GRADING/EROSION  
 CONTROL PLAN**

**Revisions:**

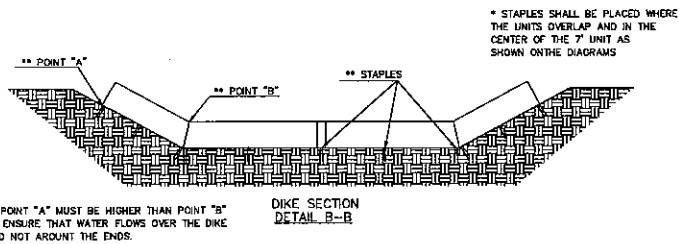
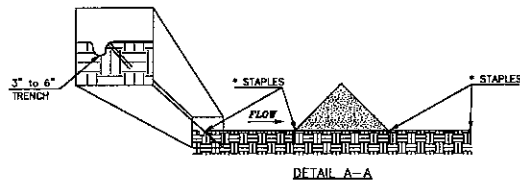
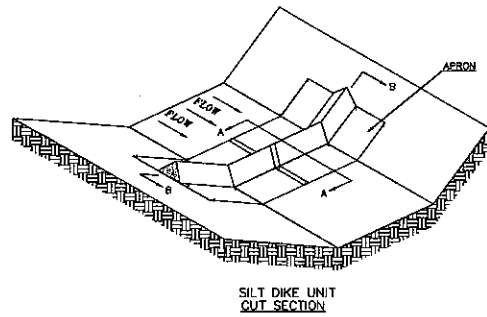
PER CITY OF WATERLOO COMMENTS	01/05/2011
PER CITY OF WATERLOO COMMENT	03/14/2011
PER CITY COMMENTS & CODES	04/27/2017

Drawn By:  
**GW**

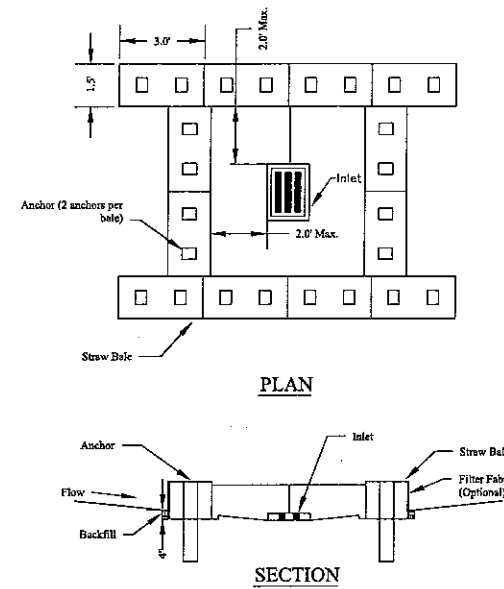
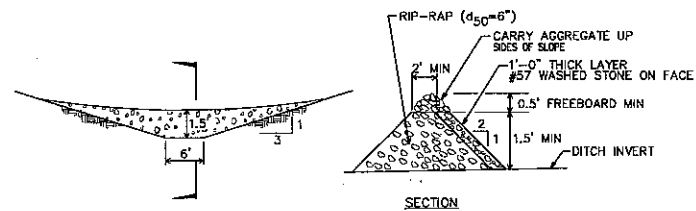
Date:  
 12/15/2010





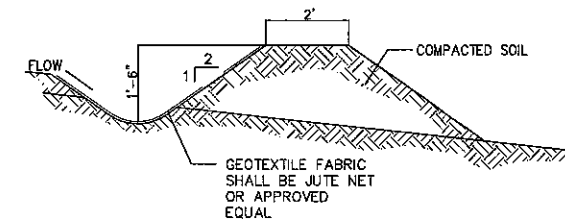
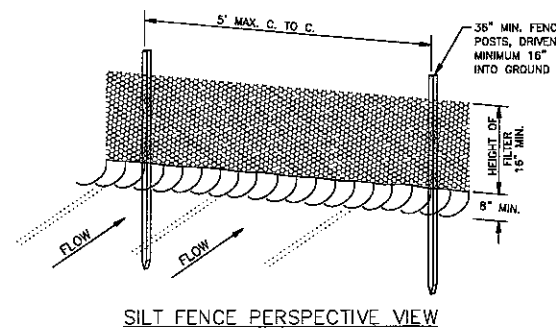
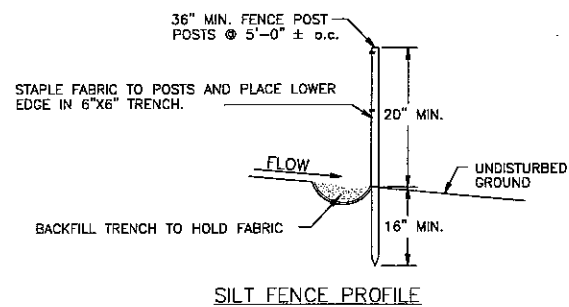
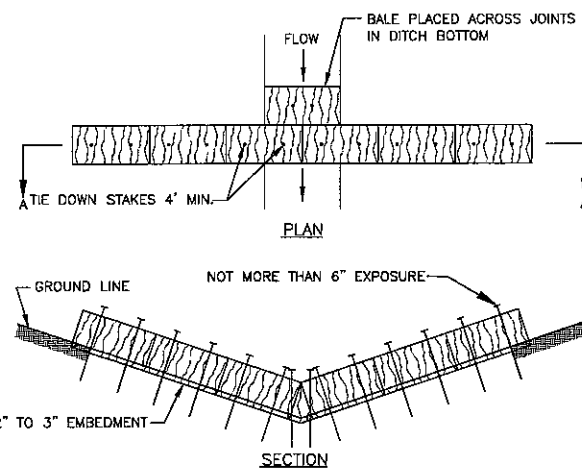


TEMPORARY SILT DAM DETAIL



- NOTES:
1. All inlets should use inlet protection immediately following installation.
  2. The immediate land area around the inlet should be relatively flat (less than 1% slope) and located so that the accumulated sediment can be easily removed.
  3. The inside edge of the bales shall be a maximum of 2 feet from the edge of the inlet.
  4. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILES Table 1 or 2, Class 1 with AOS of at least 10 for nonwoven and 50 for woven.
  5. Anchors shall be rebar, steel pickets or 2" x 2" stakes, and shall be long enough to extend at least 1.5 to 2.0 feet into the ground when the top is flush with the bale.

INLET PROTECTION DETAIL



- NOTES:
1. APPLY LIME, FERTILIZER, AND SEED BEFORE LAYING THE NET OR MAT. IF OPEN-WEAVE NETTING IS USED, LIME MAY BE INCORPORATED BEFORE INSTALLING THE NET AND FERTILIZER AND SEED SPRAYED ON AFTERWARD.
  2. START LAYING THE NET FROM THE TOP OF THE CHANNEL OR SLOPE AND UNROLL IT DOWN THE GRADE. ALLOW NETTING TO LAY LOOSELY ON THE SOIL BUT WITHOUT WRINKLES--DO NOT STRETCH.
  3. TO SECURE THE NET, BURY THE UPSLOPE END IN A SLOT OR TRENCH NO LESS THAN 6" DEEP. COVER THE SOIL, AND TAMP FIRMLY. STAPLE THE NET EVERY 12" ACROSS THE TOP END AND EVERY 3' AROUND THE EDGES AND BOTTOM. WHERE 2 STRIPS OF NET ARE LAID SIDE BY SIDE, THE ADJACENT EDGES SHOULD BE OVERLAPPED 3" AND STAPLED TOGETHER. EACH STRIP OF NETTING SHOULD ALSO BE STAPLED DOWN THE CENTER EVERY 3'. DO NOT STRETCH THE NET WHEN APPLYING STAPLES.
  4. TO JOIN 2 STRIPS, CUT A TRENCH TO ANCHOR THE END OF THE NEW NET. OVERLAP THE END OF THE PREVIOUS ROLL 18" AND STAPLE EVERY 12" JUST BELOW THE ANCHOR SLOT.
  5. KEEP SILT FENCES CLEAR OF DIVERSION DIKES.

Prepared For:  
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WALTON, MA 01886  
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(618) 304-3635

SURVEYOR:  
HENEIGHAN AND  
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310A VISION DRIVE  
COLUMBIA, IL 62236  
(618) 281-8133

Seal:  
  
Lic. Exp.

REMLOK PHASE 3  
EROSION CONTROL  
DETAILS

Revisions:  
PER CITY OF  
WATERLOO  
COMMENTS  
01/05/2011

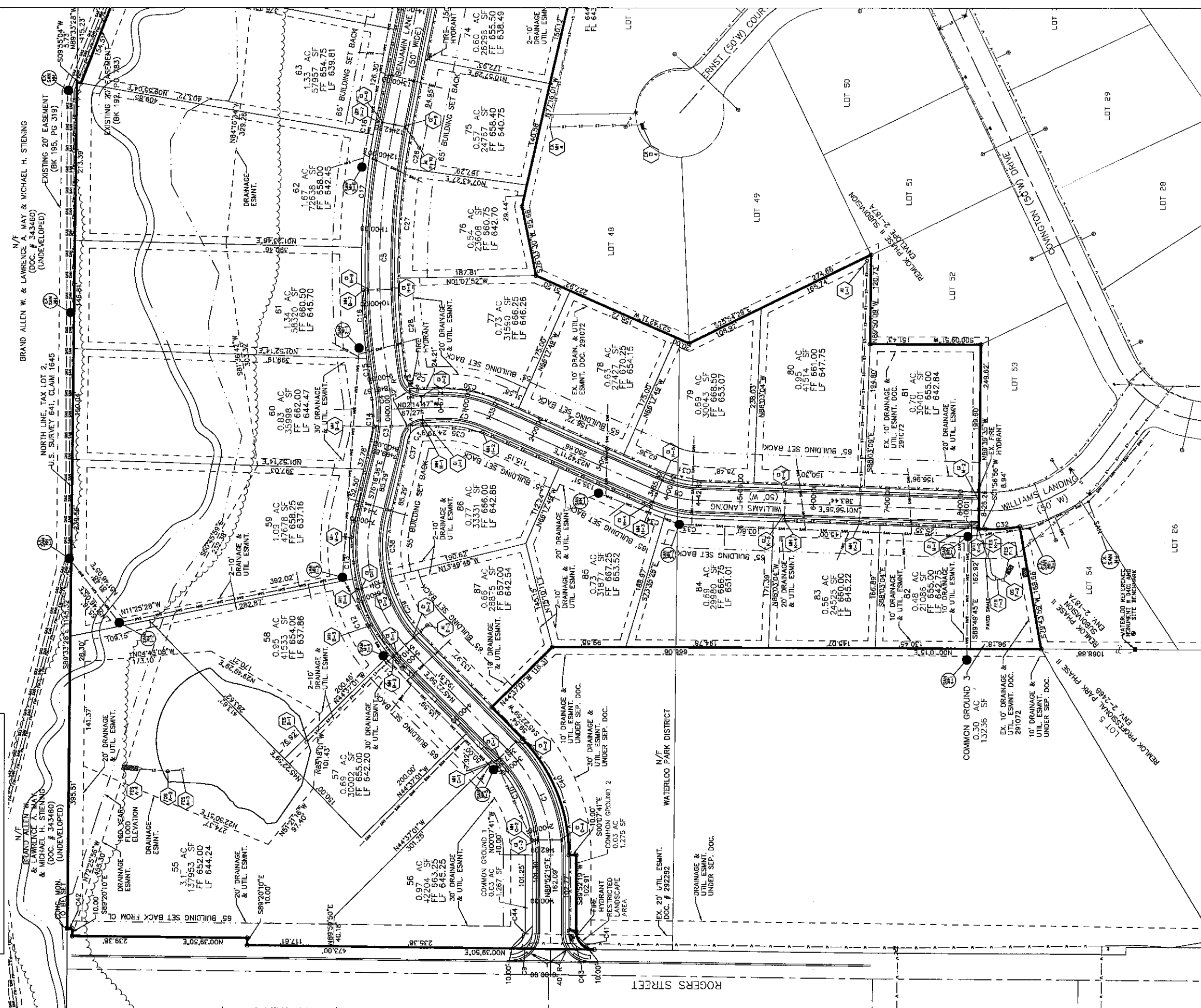
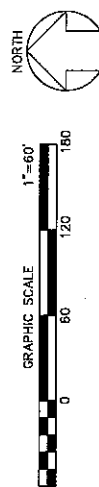
Drawn By:  
WGWE

Date:  
12/15/2010

C-2.2  
OF 20

LEGEND

- ST — FIRE HYDRANT
- WATER VALVE
- CURB INLET
- MANHOLE/OUTFALL
- STORM SEWER
- SANITARY SEWER
- WATER LINE
- BUILDING LINE
- CENTERLINE ROAD
- EASEMENT
- LOT LINE
- ▲ — STONE FOUND
- — CONC. MON. SET
- — IRON PIN FOUND
- — IRON BAR SET



REMLOK PHASE 3  
SITE PLAN

Revisions:

PER CITY OF WATERLOO COMMENTS	01/05/2011
PER CITY COMMENTS & CODES	04/27/2017

Drawn By:  
WGW

Date:  
12/15/2010

C-3.0  
OF 20

Lic.Exp. Seal:

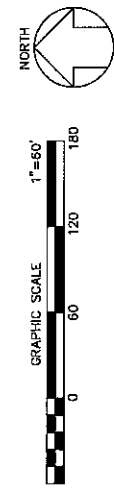
SURVEYOR:  
**HENEGHAN AND ASSOCIATES P.C.**  
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(618) 281-8133

ENGINEER:  
**WGW ENGINEERING, LLC**  
MASSACHUSETTS  
(618) 304-3835

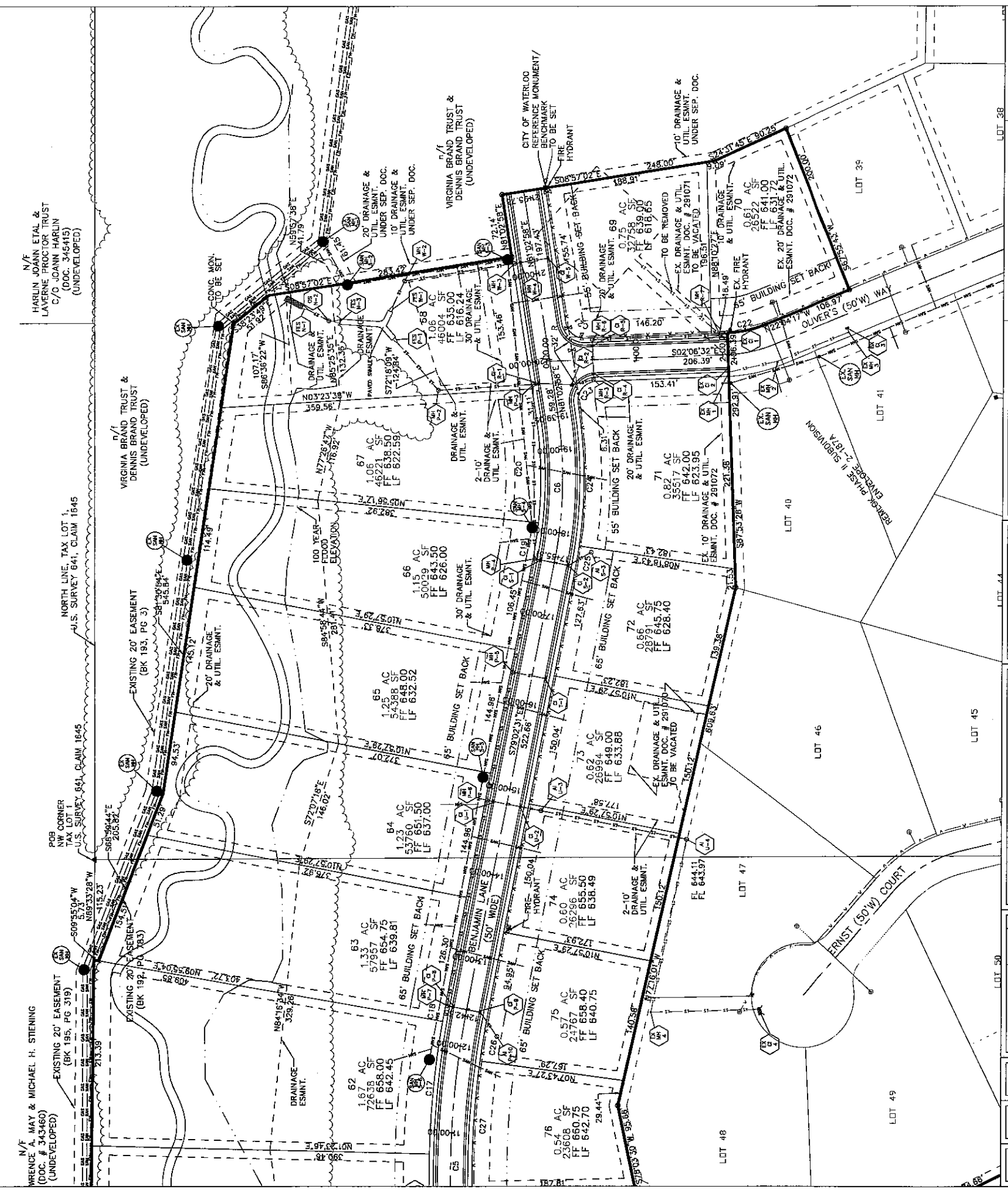
Prepared For:  
**D & A BUILDERS**  
1187 MOORE RD.  
WATERLOO, IL 62298  
(618) 939-7183

**LEGEND**

- FIRE HYDRANT
- WATER VALVE
- CURB INLET
- MANHOLE/OUTFALL
- STORM SEWER
- SANITARY SEWER
- WATER LINE
- BUILDING LINE
- CENTERLINE ROAD
- EASEMENT
- LOT LINE
- STONE FOUND
- CONC. MON. SET
- IRON PIN FOUND
- IRON BAR SET



NUM	DELTA	ARC RADIUS	BEARING	DISTANCE	
C1	44.29.20"	155.30'	N67.37.39"E	151.42'	
C2	59.20.24"	203.65'	S74.33.11"W	194.86'	
C3	15.58.11"	200.00'	S84.19.42"E	55.58'	
C4	07.28.42"	26.10'	N84.00.52"E	26.08'	
C5	20.40.56"	360.98'	N89.23.00"W	359.03'	
C6	19.54.31"	173.73'	S88.58.47"E	172.65'	
C7	25.56.56"	67.94'	N10.43.42"E	67.36'	
C8	21.45.15"	56.95'	S12.49.33"W	56.61'	
C9	90.47.32"	39.62'	S44.43.55"E	35.80'	
C10	44.29.20"	135.88'	N67.37.39"E	132.50'	
C11	03.40.23"	14.42'	S47.13.11"W	14.42'	
C12	29.31.10"	115.92'	N25.00'	S83.48.57"W	114.64'
C13	25.08.52"	98.75'	N25.00'	N86.51.02"W	97.96'
C14	23.26.53"	71.82'	N75.00'	S88.00.03"E	71.12'
C15	02.39.31"	47.56'	S81.36.16"W	47.56'	
C16	08.25.15"	150.65'	N25.00'	S87.08.39"W	150.51'
C17	08.33.47"	153.19'	N25.00'	N84.21.50"W	153.05'
C18	01.02.25"	18.61'	N79.33.44"W	18.61'	
C19	05.01.12"	41.62'	N75.00'	S81.33.07"E	41.60'
C20	14.53.18"	123.43'	N75.00'	N88.29.37"E	123.08'
C21	19.57.43"	21.77'	S15.00'	S39.28.13"W	19.91'
C22	19.57.43"	43.55'	N12.05.24"W	43.33'	
C23	36.90.29"	25.35'	S15.00'	N50.31.47"W	22.44'
C24	17.15.45"	158.18'	N25.00'	N89.40.51"E	157.58'
C25	02.38.45"	24.24'	S25.00'	S80.21.54"E	24.24'
C26	03.14.02"	55.03'	N80.39.32"W	55.02'	
C27	08.45.00"	148.90'	N86.39.03"W	148.75'	
C28	08.10.19"	139.06'	N84.53.18"W	138.94'	
C29	83.02.56"	21.74'	S19.16.41"W	19.89'	
C30	25.56.56"	79.26'	N10.43.42"E	78.58'	
C31	21.45.15"	47.46'	S12.49.33"W	47.18'	
C32	12.13.01"	46.81'	N20.00'	S04.09.35"E	46.82'
C33	12.00.39"	36.68'	N75.00'	S07.57.15"W	36.62'
C34	09.44.36"	29.76'	S18.49.52"W	29.72'	
C35	25.56.56"	56.61'	N25.00'	N10.43.42"E	56.13'
C36	80.24.21"	21.05'	S15.00'	S42.26.58"E	19.36'
C37	06.22.32"	25.04'	N25.00'	S79.27.52"W	25.02'
C38	27.33.10"	84.16'	N75.00'	S89.56.48"W	83.35'
C39	30.47.14"	94.03'	N75.00'	S80.46.36"W	92.91'
C40	44.29.20"	174.71'	N25.00'	S87.37.36"W	170.35'
C41	89.12.28"	38.92'	S45.16.05"W	35.11'	
C42	00.29.43"	8.87'	N00.24.59"E	6.87'	
C43	89.12.28"	38.92'	S45.16.05"W	35.11'	
C44	90.47.32"	39.62'	N44.43.55"W	35.80'	



N/E  
HARLIN, DANN ETAL &  
LAVERNE PROCTOR TRUST  
C/O JOHANN HARLIN  
(UNDEVELOPED)

NORTH LINE, TAX LOT 1,  
U.S. SURVEY 641, CLAIM 1645

N/E  
WRENCE A. MAY & MICHAEL H. STENING  
(DOC. # 343460)  
(UNDEVELOPED)

N/E  
VIRGINIA BRAND TRUST &  
DENNIS BRAND TRUST  
(UNDEVELOPED)

N/E  
VIRGINIA BRAND TRUST &  
DENNIS BRAND TRUST  
(UNDEVELOPED)

Prepared For:  
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1187 MOORE RD.  
WATERLOO, IL 62298  
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**ENGINEER:**  
**WGW ENGINEERING, LLC**  
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MASCOUTAH, IL 62258  
(618) 304-3635

**SURVEYOR:**  
**HENEGHAN AND ASSOCIATES, P.C.**  
310A VISION DRIVE  
COLUMBIA, IL 62236  
(618) 281-8133

Seal:

Lic. Exp.

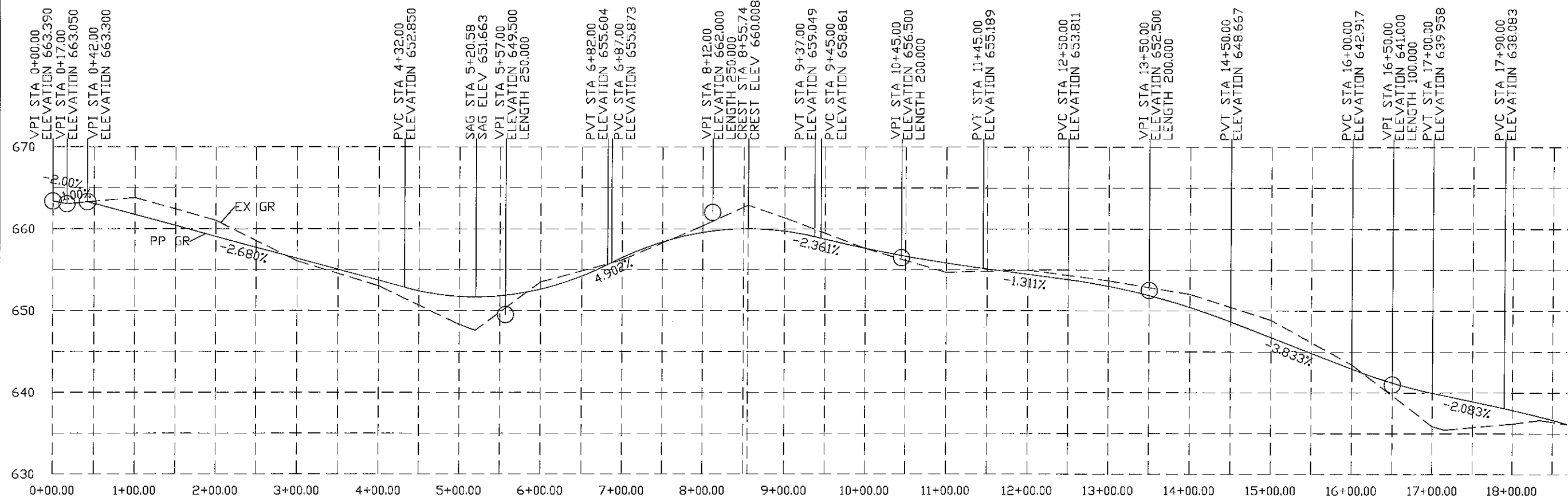
**REMLOK PHASE 3**  
**SITE PLAN**

Revisions:  
PER CITY OF WATERLOO COMMENTS 01/25/2011  
PER CITY COMMENTS & CODES 04/27/2017

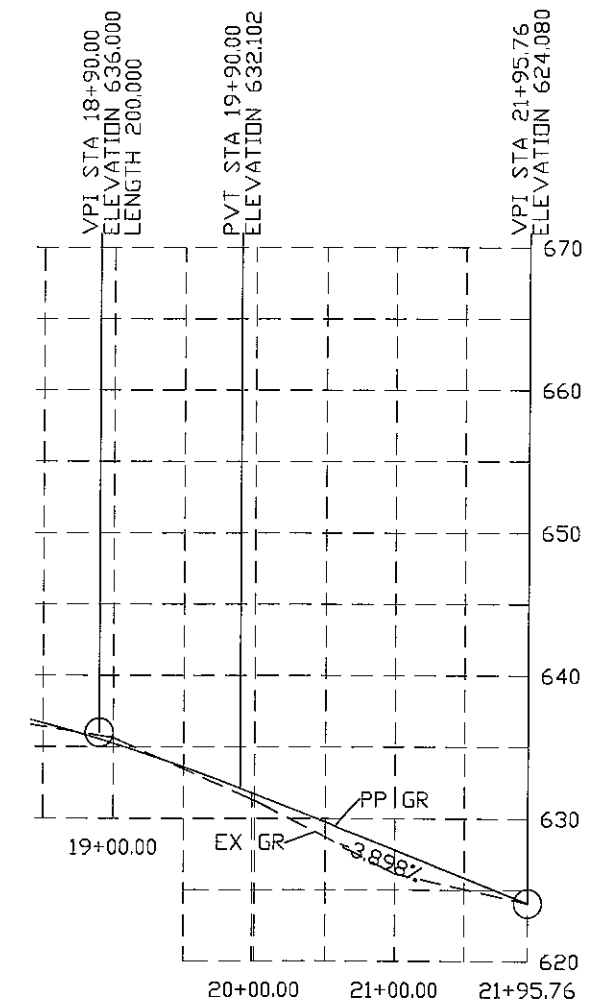
Drawn By:  
**WGW**

Date:  
12/15/2010

**C-3.1**  
OF 20



**BENJAMIN LANE PROFILE**  
 SCALE: 1" = 60' HORIZONTAL  
 1" = 6' VERTICAL



Prepared For:  
**D & A BUILDERS**  
 1187 MOORE RD.  
 WATERLOO, IL 62298  
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ENGINEER:  
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SURVEYOR:  
**HENEGHAN AND ASSOCIATES, P.C.**  
 3104 VISION DRIVE  
 COLUMBIA, IL 62236  
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Seal:

Lic. Exp.

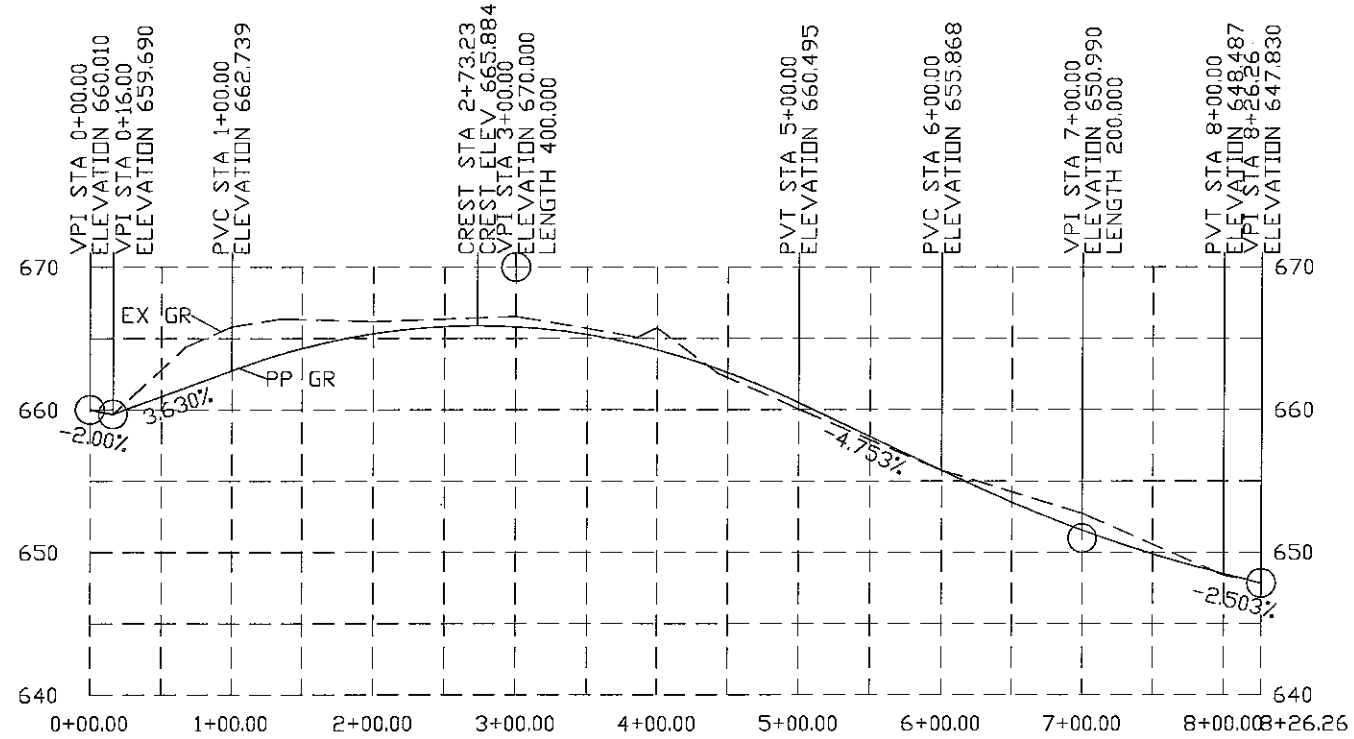
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Revisions:  
 PER CITY OF WATERLOO  
 COMMENTS  
 01/05/2011

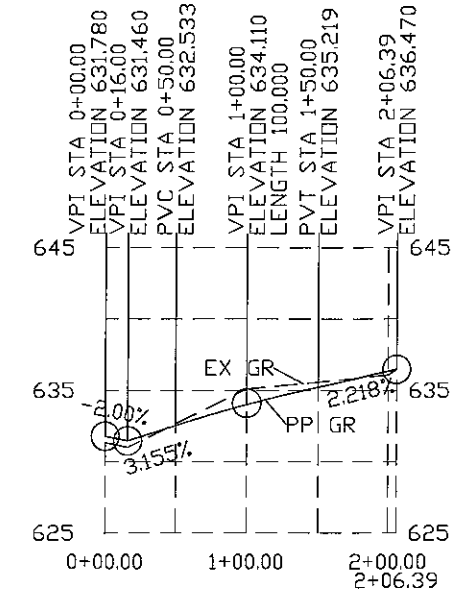
Drawn By:  
 WGW

Date:  
 12/15/2010

**C-5.0**  
 OF 20



**WILLIAMS LANDING PROFILE**  
 SCALE: 1" = 60' HORIZONTAL  
 1" = 6' VERTICAL



**OLIVER'S WAY PROFILE**  
 SCALE: 1" = 60' HORIZONTAL  
 1" = 6' VERTICAL

Prepared For:  
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ENGINEER:  
 WGW ENGINEERING, LLC  
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 WASHINGTON, IL 62298  
 (618) 394-3635

SURVEYOR:  
 HENEGHAN AND ASSOCIATES, P.C.  
 310A VISION DRIVE  
 COLUMBIA, IL 62236  
 (618) 281-8133

Seal:  
  
 Lic. Exp. \_\_\_\_\_

REMLOK PHASE 3  
 STREET PROFILE

Revisions:  
 PER CITY OF WATERLOO COMMENTS  
 01/05/2011

Drawn By:  
 WGW

Date:  
 12/15/2010

C-5.1  
 OF 20

Prepared For:  
 D & A BUILDERS  
 117 W. COLE RD.  
 WATERLOO, MA  
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ENGINEER:  
 WGW ENGINEERING, LLC  
 680 COUNTRY LANE  
 MASSACHUSETTS  
 (618) 304-3635

SURVEYOR:  
 HENEGHAN AND  
 ASSOCIATES, P.C.  
 310A VISION DRIVE  
 COLUMBIA, IL 62236  
 (618) 281-8133

Seal:  
 Lic. Exp.

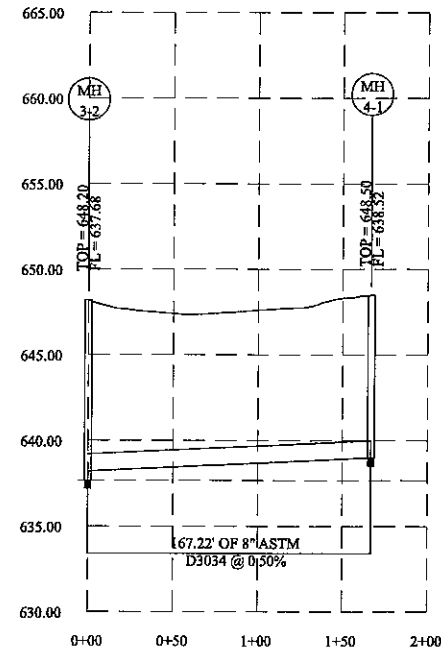
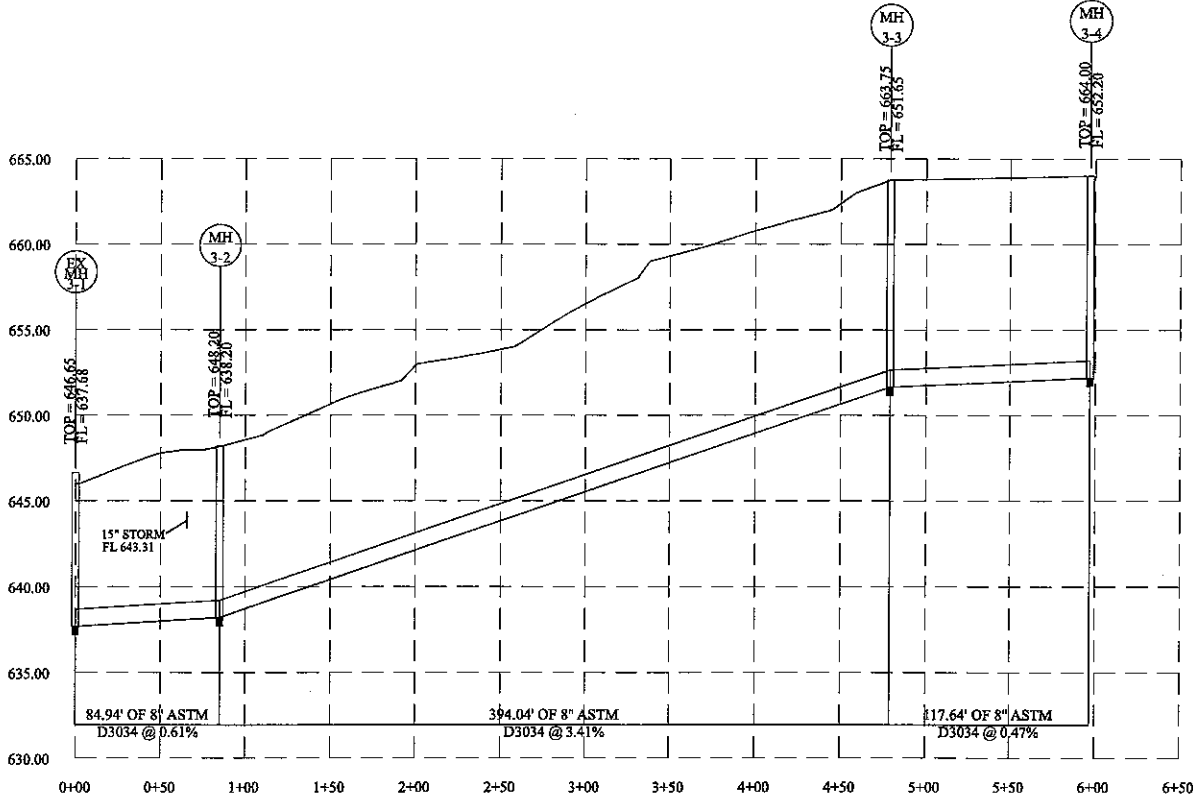
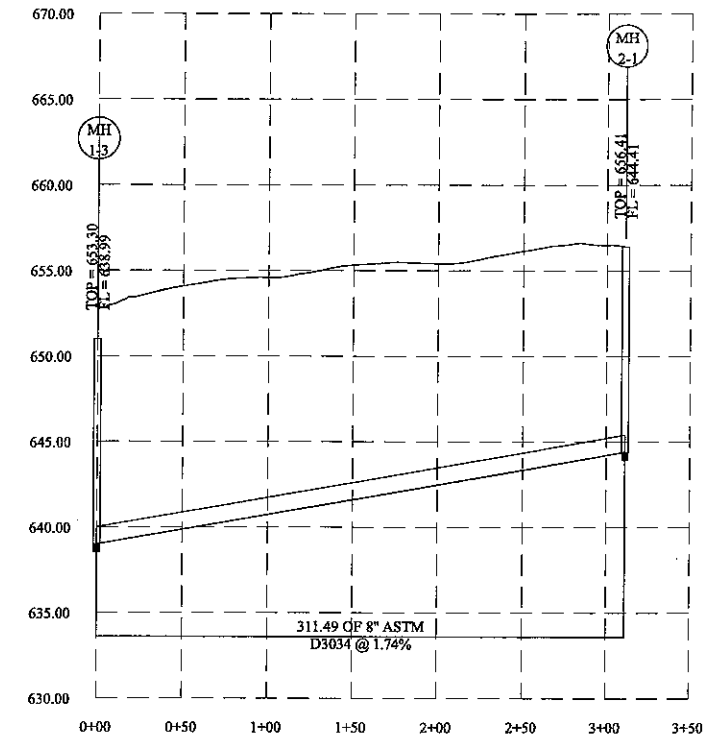
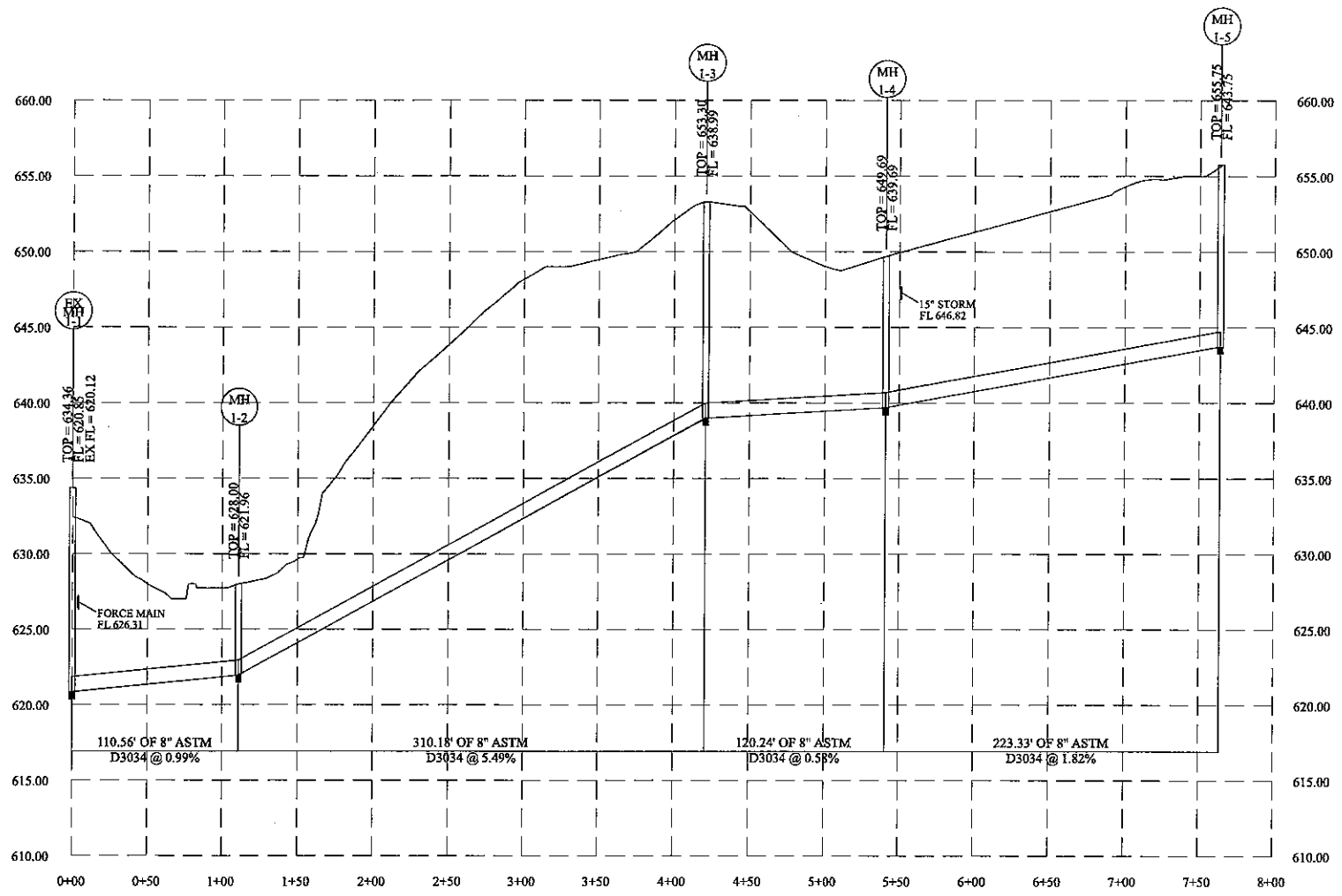
REMLOK PHASE 3  
 SANITARY SEWER  
 PROFILES

Revisions:  
 PER CITY OF  
 WATERLOO  
 COMMENTS  
 01/05/2011

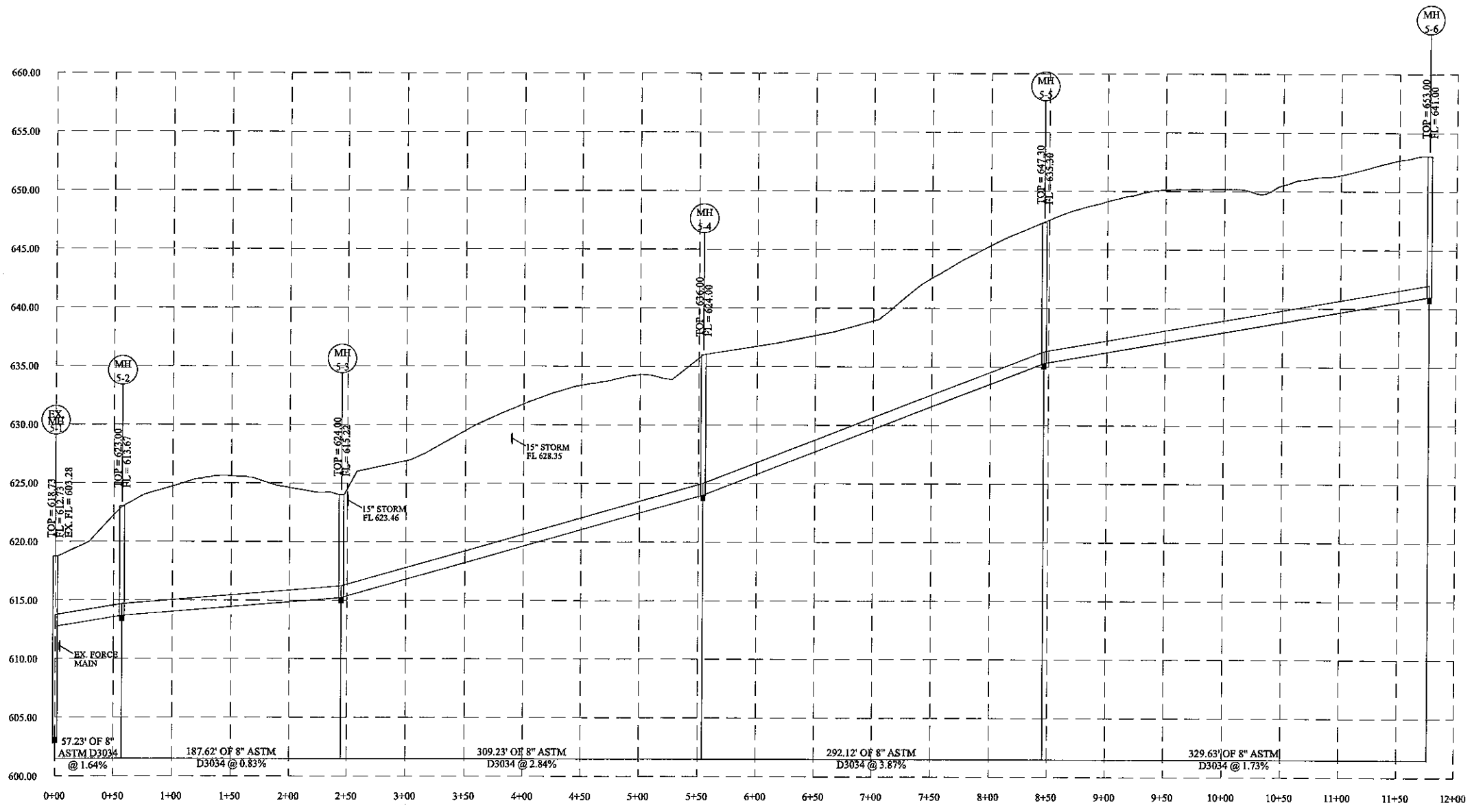
Drawn By:  
 WGW

Date:  
 12/15/2010

C-6.0  
 OF 20



SANITARY SEWER PROFILES  
 SCALE: 1" = 50' HORIZONTAL  
 1" = 5' VERTICAL



**SANITARY SEWER PROFILES**  
 SCALE: 1" = 50' HORIZONTAL  
 1" = 5' VERTICAL

Prepared For:  
 D & A BUILDERS  
 1187 MOORE RD.  
 WATERLOO, IL 62298  
 (618) 939-7183

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 (618) 394-9635

SURVEYOR:  
 HENEGHAN AND ASSOCIATES, P.C.  
 310A VISION DRIVE  
 COLUMBIA, IL 62236  
 (618) 281-8135

Seal:  
  
 Lic. Exp.

**REMLOK PHASE 3  
 SANITARY SEWER  
 PROFILES**

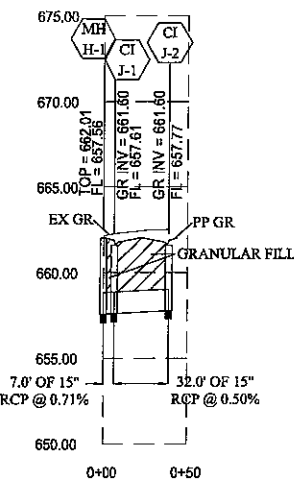
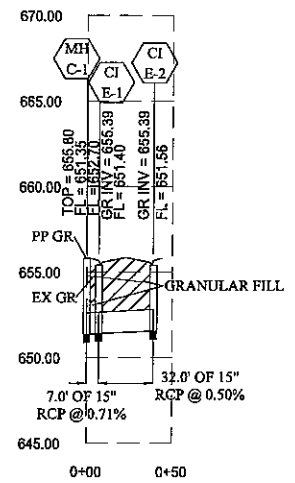
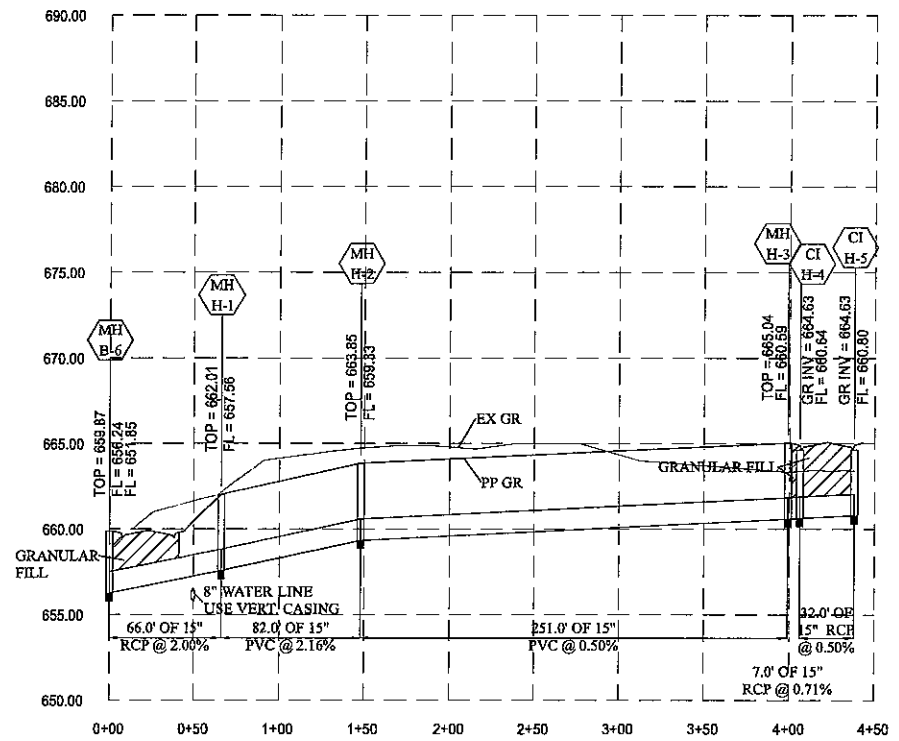
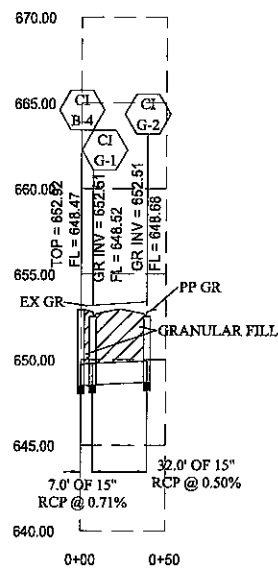
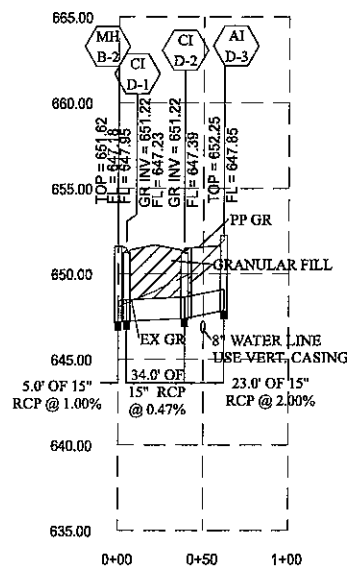
Revisions:  
 PER CITY OF WATERLOO COMMENTS  
 01/05/2011

Drawn By:  
 WGW

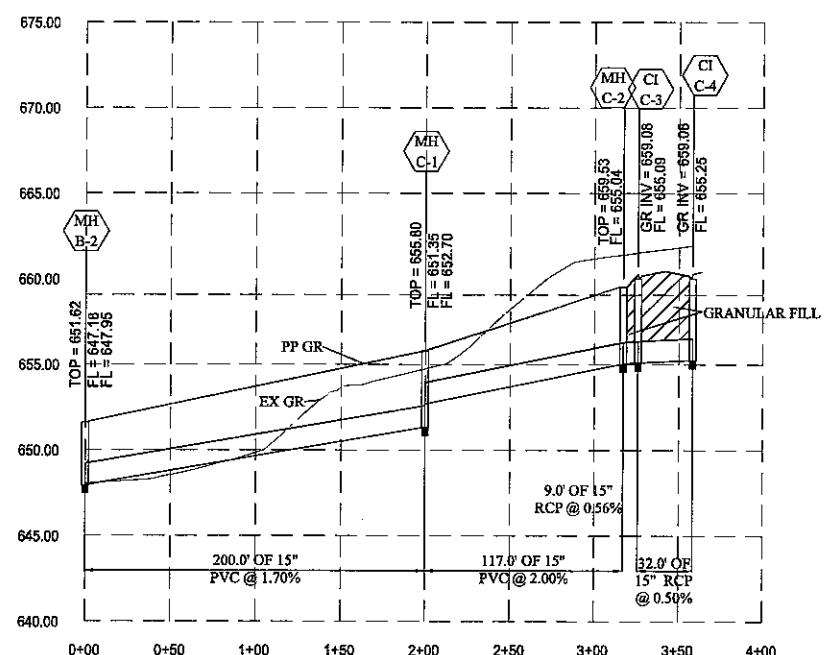
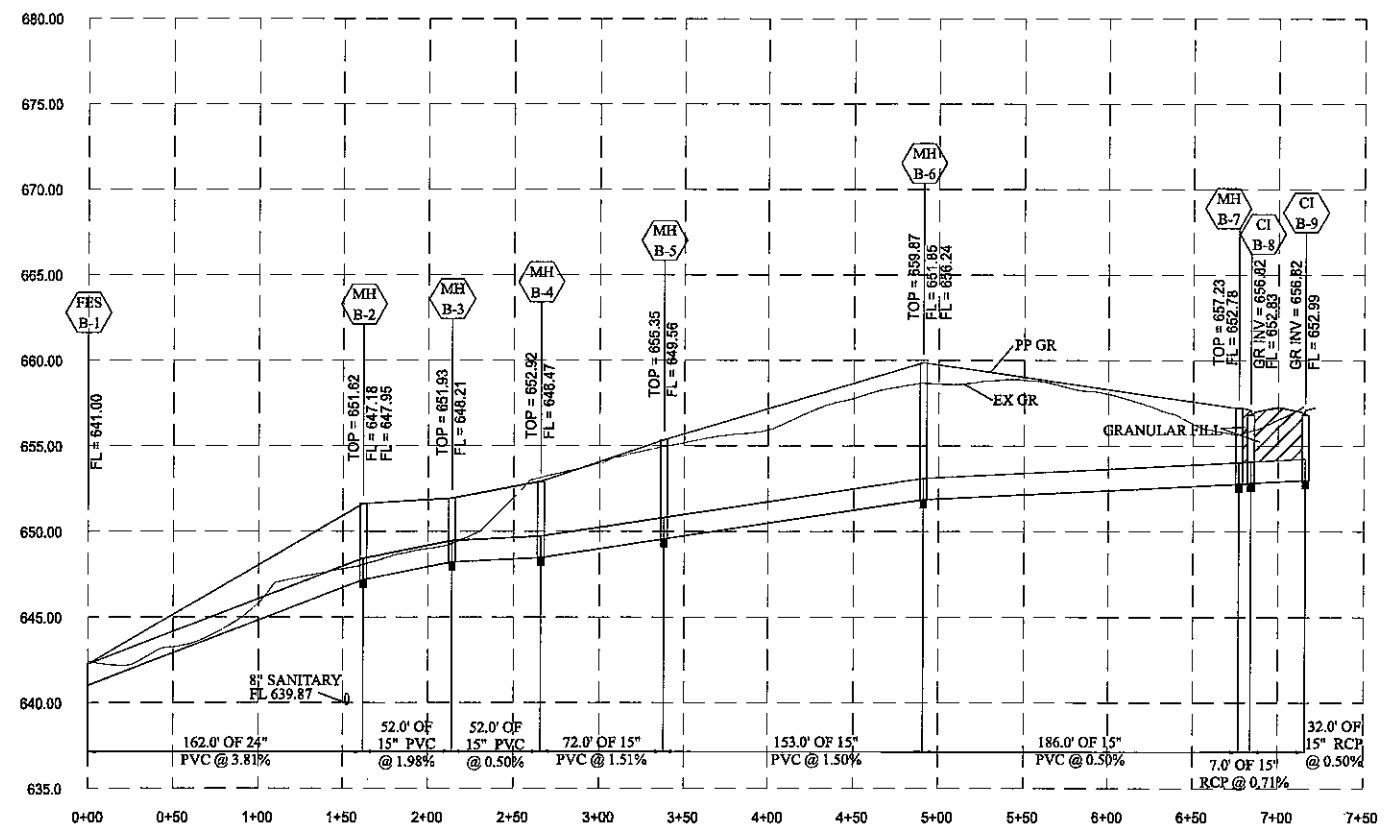
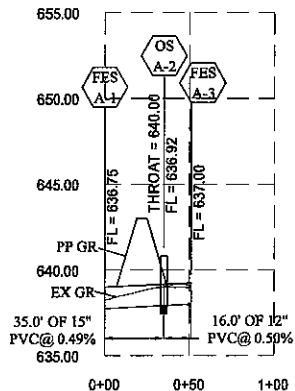
Date:  
 12/15/2010

C-6.1  
 OF 20





**STORM SEWER PROFILES**  
 SCALE: 1" = 50' HORIZONTAL  
 1" = 5' VERTICAL



Prepared For:  
 D & A BUILDERS  
 1187 MOORE RD.  
 WATERLOO, IL 62298  
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ENGINEER:  
 WGW ENGINEERING, LLC  
 680 COUNTRY LANE  
 MASCOUTAH, IL 62258  
 (618) 304-5655

SURVEYOR:  
 HENEGHAN AND ASSOCIATES, P.C.  
 300 VANDERBILT DRIVE  
 COLTON, IL 62226  
 (618) 281-8133

Seal:  
  
 Lic. Exp.

**REMLOK PHASE 3  
 STORM SEWER  
 PROFILES**

Revisions:  
 PER CITY OF WATERLOO COMMENTS  
 01/05/2011

Drawn By:  
 WGW

Date:  
 12/15/2010

**C-7.0**  
 OF 20

# STORM SEWER PROFILES

SCALE: 1" = 50' HORIZONTAL  
1" = 5' VERTICAL

Prepared For:  
**D & A BUILDERS**  
1187 MOORE RD.  
WATERLOO, IL 62298  
(618) 939-7183

ENGINEER:  
**WGW ENGINEERING, LLC**  
6800 COUNTRY LANE  
MARIETTA, GA 30067  
(618) 344-1653

SURVEYOR:  
**HENEGHAN AND ASSOCIATES, P.C.**  
310A VISION DRIVE  
COLUMBIA, IL 62236  
(618) 281-8133

Seal:

Lic. Exp.

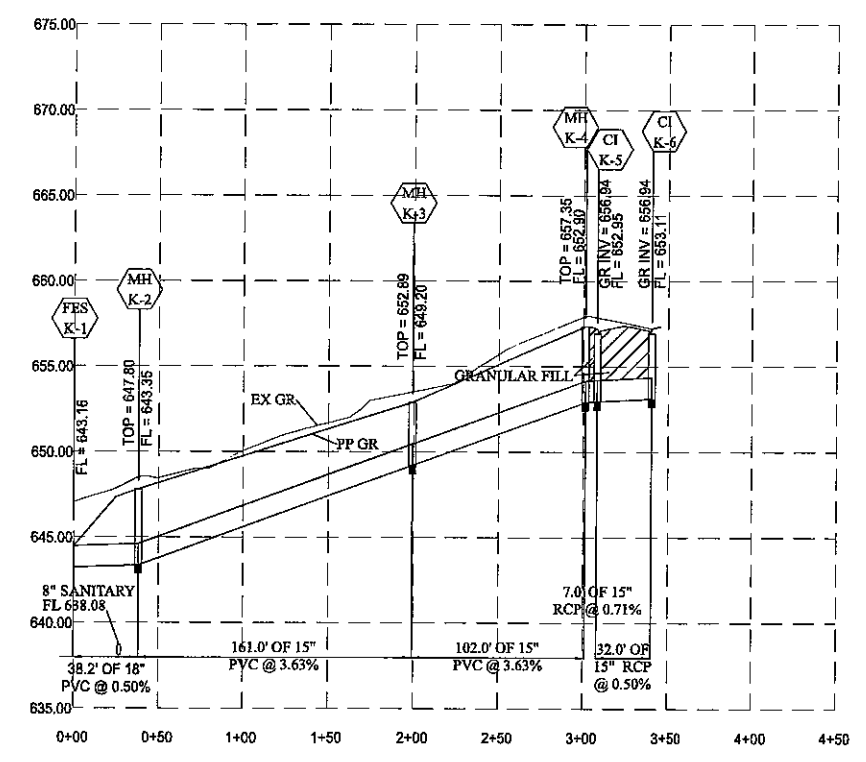
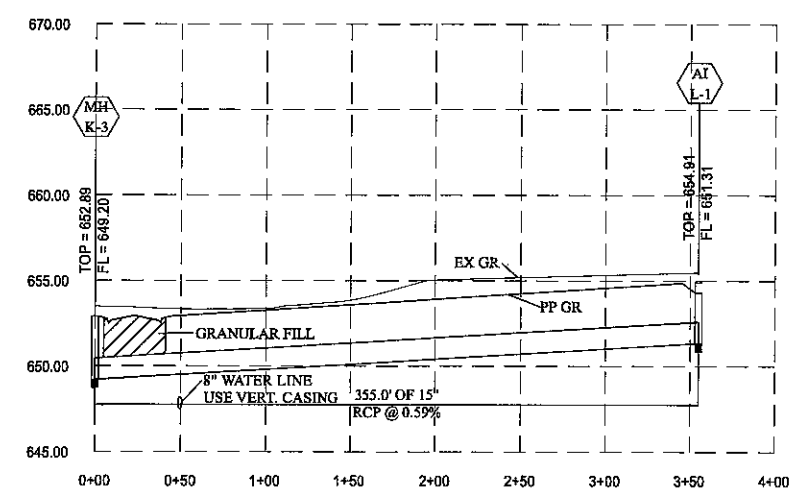
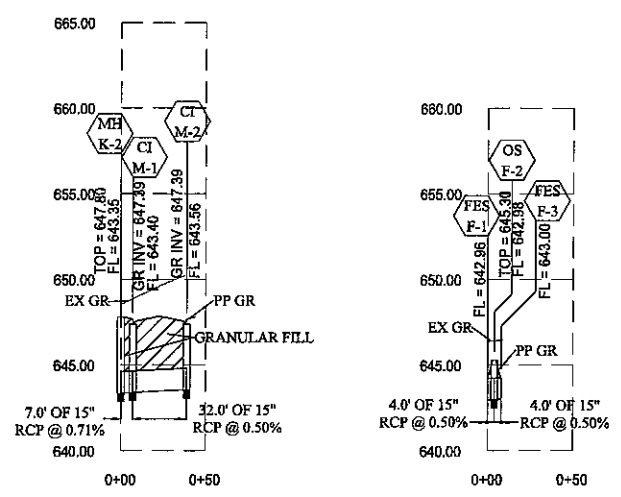
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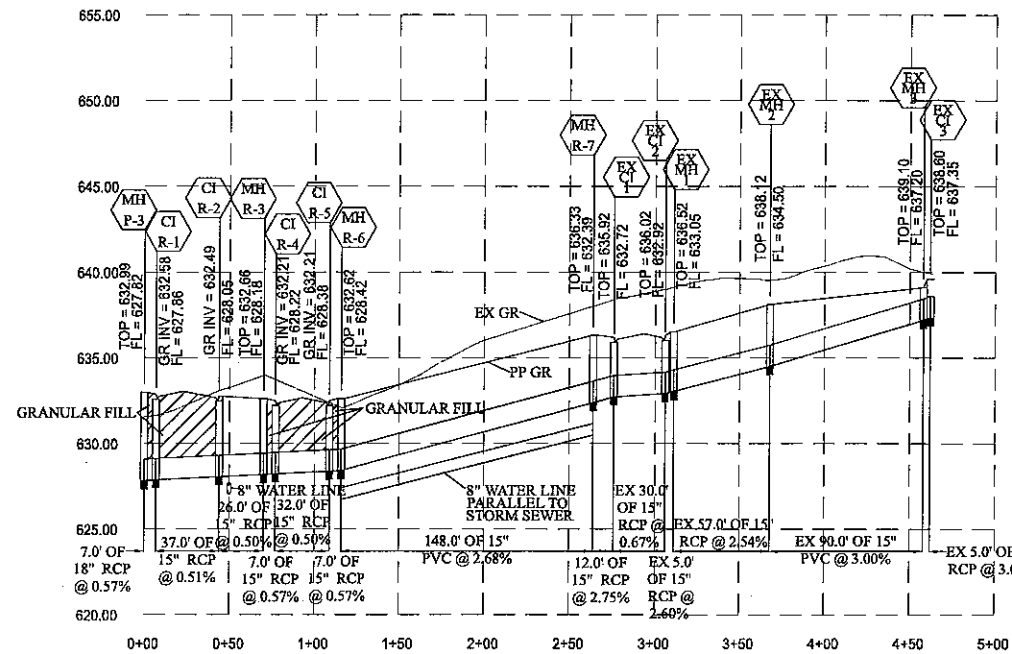
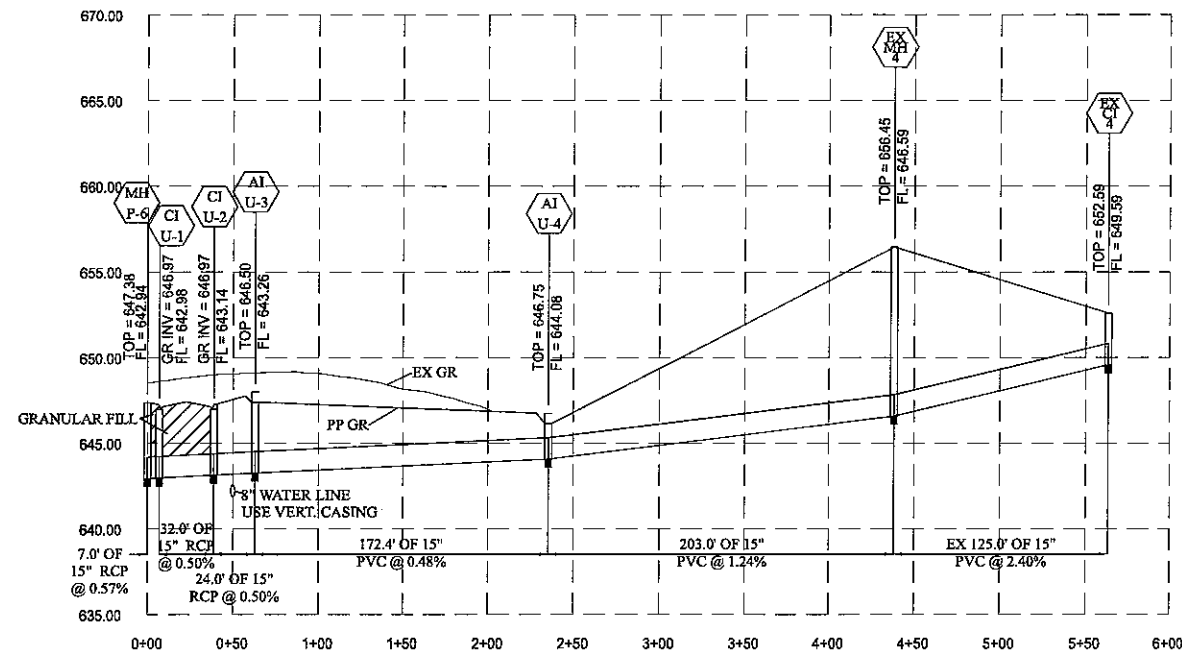
Revisions:  
PER CITY OF  
WATERLOO  
COMMENTS  
01/05/2011

Drawn By:  
**WGW**

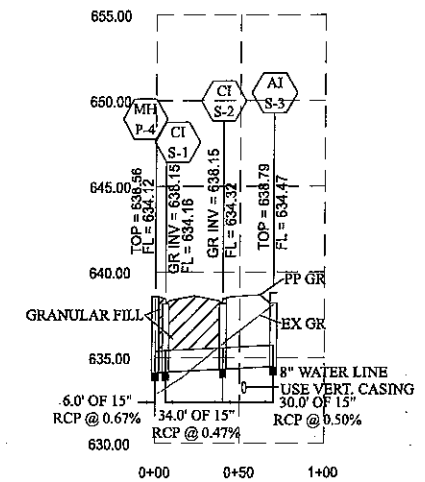
Date:  
12/15/2010

C-7.1  
OF 20





**STORM SEWER PROFILES**  
 SCALE: 1" = 50' HORIZONTAL  
 1" = 5' VERTICAL



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 1187 MOORE RD.  
 WATERLOO, IL 62296  
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Seal:  
  
 Lic. Exp.

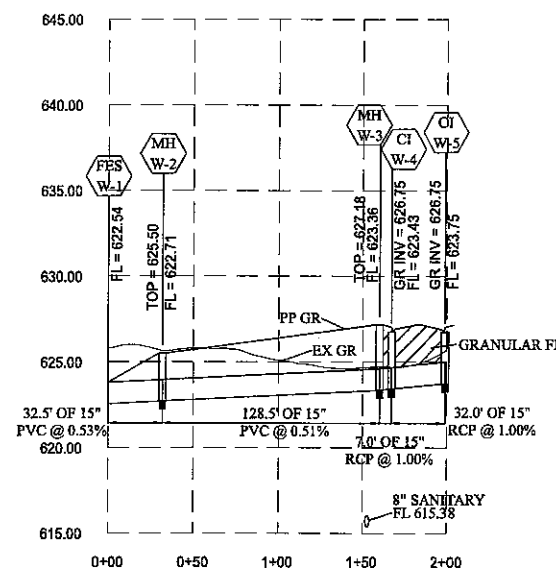
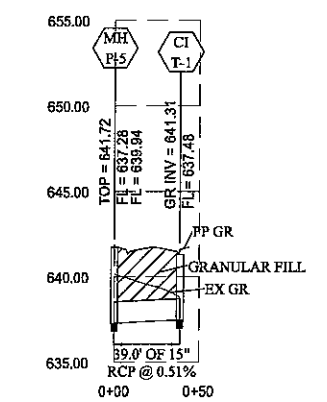
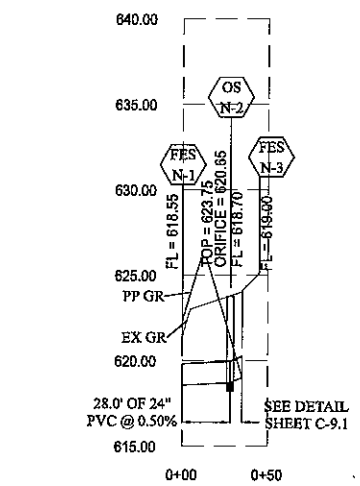
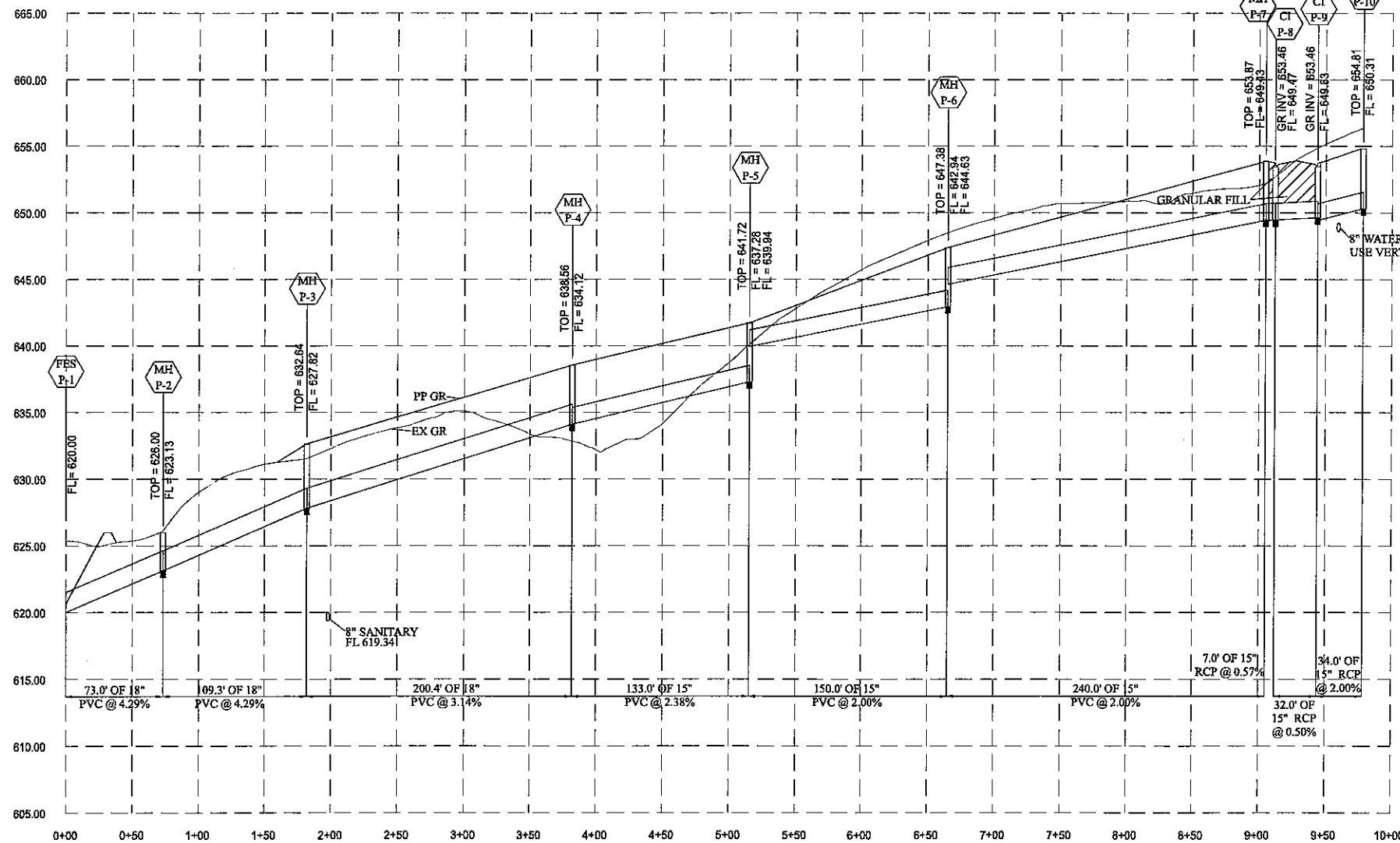
REMLOK PHASE 3  
 STORM SEWER  
 PROFILES

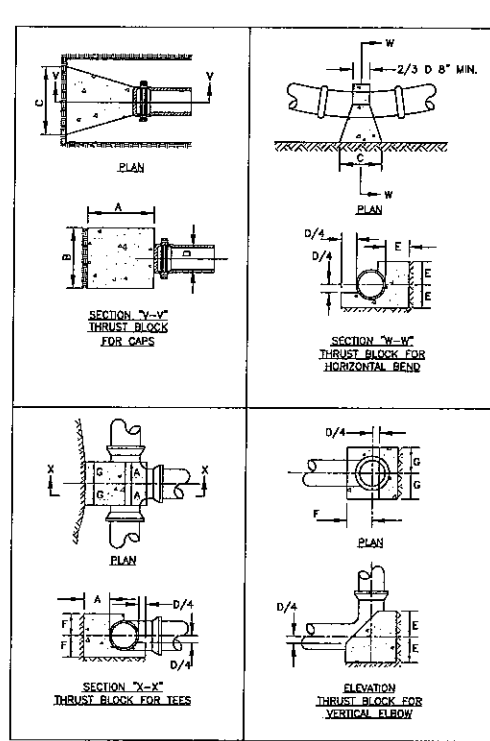
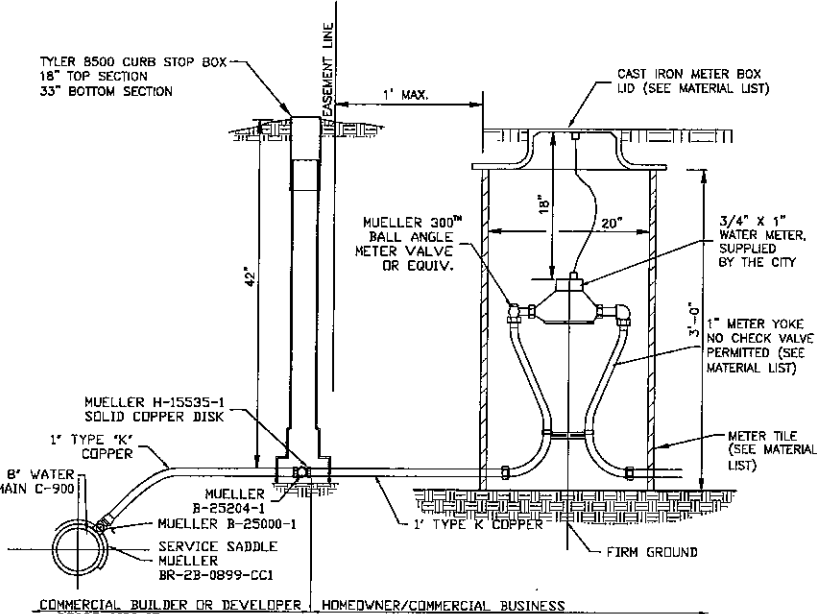
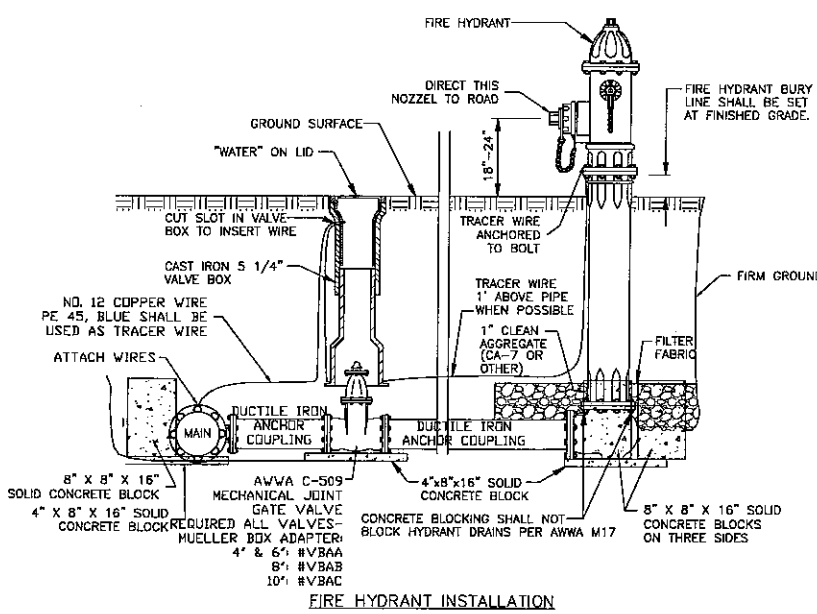
Revisions:  
 PER CITY OF WATERLOO  
 COMMENTS  
 01/05/2011

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 GW

Date:  
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C-7.2  
 OF 20





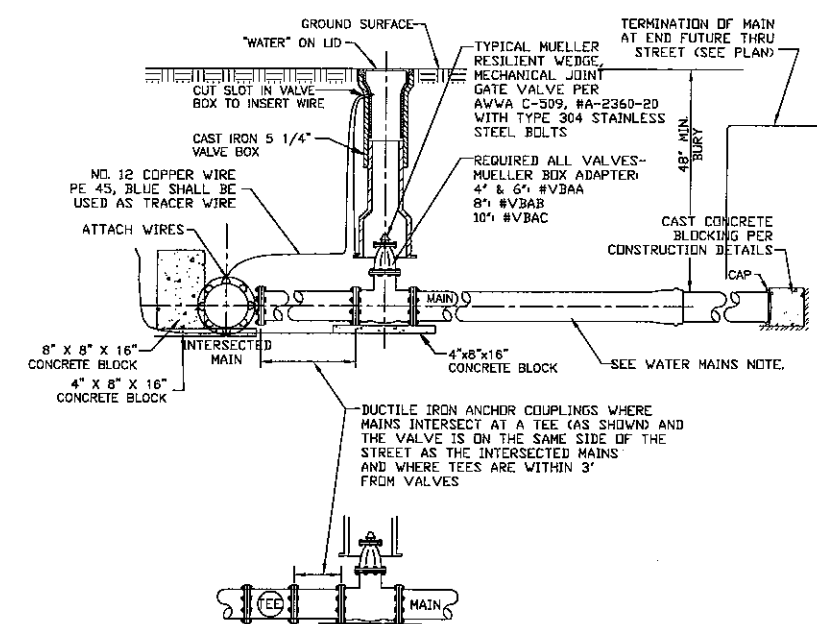
**MATERIAL LIST FOR WATER SERVICE**

**SINGLE METER PIT INSTALLATION**

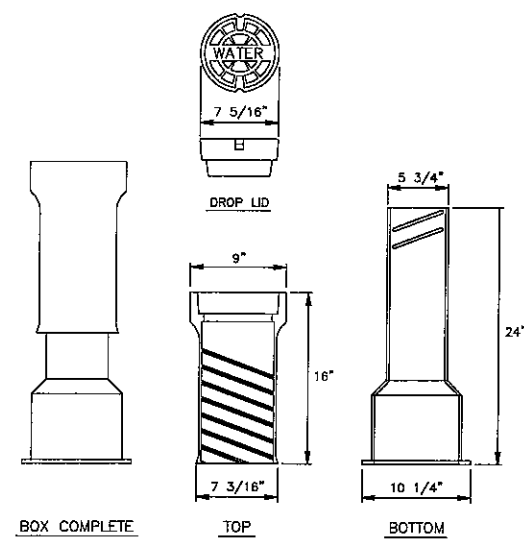
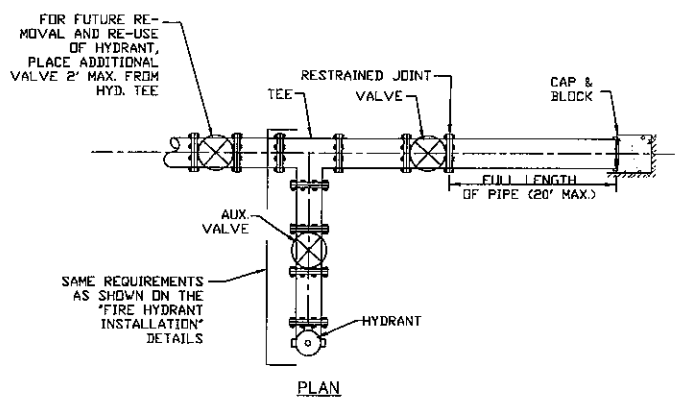
QTY.	ITEM#	DESCRIPTION
1	H10810-09	20X11 SINGLE HOLE TOUCH READ LID ASSY. LARGE NUT (MUELLER)
1	B2464 (1')	20X36 MID STATES PLASTIC METER TILE
2	H14222 (1')	1"X12" METER YOKE WITH BALL VALVE

**DOUBLE METER PIT INSTALLATION**

QTY.	ITEM#	DESCRIPTION
1	H10810-10	20X11 SINGLE HOLE TOUCH READ LID ASSY. LARGE NUT (MUELLER)
1	B2464 (1')	24X36 MID STATES PLASTIC METER TILE
1	B2404 (1')	24X20 ADAPTOR RING
2	H14222 (1')	1"X12" METER YOKE WITH BALL VALVE



- NOTES:**
- WATER METERS SHALL BE 3/4" X 1" SENUS SR TRPL 100 GALLON, 4VHL 5B, ROCKSYN CHAMBER CAST IRON BOTTOM, 6" SENSOR, & TRM PKG.
  - THE CITY OF WATERLOO USES MUELLER PRODUCTS AND CANNOT ACCEPT SUBSTITUTIONS.
  - 3/4" WATER METERS WITH TOUCH READ WILL BE SUPPLIED AFTER THE PIT IS INSTALLED AND INSPECTED BY THE CITY.
  - WATER METERS WITH TOUCH READ LARGER THAN 3/4" SHALL BE SUPPLIED BY THE BUILDER OR CONTRACTOR AT HIS EXPENSE.

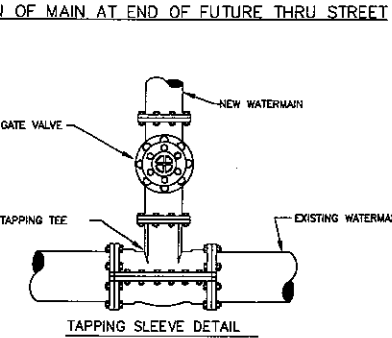


- WATER MAINS**  
MAIN SHALL BE 8" MIN. DIA. 8" - 12" SHALL BE C900, DR18 OR BETTER 14" AND LARGER SHALL BE C905, DR28 OR BETTER. LINES SHALL MEET ASTM D2241 REQUIREMENTS WITH CLASS 12454-B CELL CLASSIFICATION AS REQUIRED BY ASTM D1764. ALL PUSH ON OR MECHANICAL JOINTS SHALL HAVE RUBBER (SBR) GASKETS SHALL CONFORM TO AWVA C111. FITTINGS SHALL BE DUCTILE IRON, MECHANICAL JOINT, CEMENT MORTAR LINED CONFORMING TO AWVA C110, C104, & C151 (TAR COATING).
- GATE VALVES**  
GATE VALVES SHALL BE MUELLER RESILIENT WEDGE (MECHANICAL JOINT) #A-2360-20 CONFORMING TO AWVA C-509 WITH TYPE 304 STAINLESS STEEL BOLTS.  
GATE VALVES SHALL BE RATED FOR 200 PSI WATER PRESSURE IN THE 2 THROUGH 12 INCH SIZES AND 150 PSI WATER PRESSURE IN THE 14 INCH AND LARGER SIZES. GATE VALVES SHALL HAVE A STUFFING BOX WITH TEFLON PACKING AND THE OPERATING NUT SHALL BE A 2 INCH SQUARE AWVA NUT.
- VALVE BOXES**  
CAST IRON VALVE BOXES SHALL BE INSTALLED OVER ALL VALVES TO FURNISH OPERATING ACCESS. THE LID OF THE VALVE BOXES SHALL BE BINGHAM AND TAYLOR 5 1/4 INCH CAST IRON WITH SCREW TYPE ADJUSTMENT OR EQUIVALENT AS APPROVED BY THE CITY OF WATERLOO. THE LIDS SHALL HAVE THE WORD "WATER" CAST IN THE LID.
- CORPORATION STOPS**  
ALL CORPORATION STOPS SHALL BE FABRICATED OF BRASS AND SHALL BE PROVIDED WITH OUTLETS SUITABLE FOR COPPER CONNECTIONS. THE CORPORATION STOPS SHALL BE ONE (1) INCH MINIMUM.  
SERVICE CLAMPS UTILIZED FOR TAPPING THE MAIN SHALL BE MANUFACTURED BY MUELLER CORPORATION OR EQUIVALENT AND SHALL BE CONSTRUCTED OF BRASS WITH DOUBLE STRAP DESIGN. THE CLAMPS SHALL BE FURNISHED WITH AN "O-RING" CEMENTED IN PLACE. THE CLAMPS SHALL BE CAPABLE OF SUSTAINING A 500 PSI WORKING PRESSURE.
- COPPER SERVICE PIPE**  
COPPER PIPE SHALL BE COPPER WATER TUBE, TYPE K, SOFT TEMPER, FOR UNDERGROUND SERVICE, CONFORMING TO ASTM B-88 AND B-251. THE PIPE SHALL BE MARKED WITH THE MANUFACTURER'S NAME OR TRADEMARK INDICATIVE OF THE TYPE OF PIPE. THE OUTSIDE DIAMETER OF THE PIPE SHALL CONFORM TO ASTM B251 TABLE 2.
- TRACER WIRE**  
TRACER WIRE SHALL BE THWN SOFT DRAWN SOLID NO. 12 COPPER PE45 BLUE TRACE WIRE (POLYETHYLENE COATED) AND SHALL BE CONNECTED TO ALL VALVES AND HYDRANTS. A MAGNESIUM 5 LB. H-1 (GRADE A) ANODE SHALL BE ATTACHED WITH DIRECT BURY SPLICE KIT, TO TRACER WIRE. THE SPLICE KIT SHALL BE A 3M DBR KIT.
- FIRE HYDRANTS**  
A-423 MUELLER SUPER CENTURION #250 (5 1/4" MAIN VALVE OPENING), THREE-WAY (TWO (2) HOSE NOZZLES 2 1/2" WITH WATERLOO THREADS 3.062, AND ONE PUMPER NOZZLE 4 1/2" NATIONAL THREADS), FOUR (4) FOOT BURY, CONFORMING TO AWVA C-502, MECHANICAL JOINT STANDARD.
- TESTING**  
AFTER THE PIPE HAS BEEN LAID, THRUST BLOCKING CURED, AND THE TRENCH BACKFILLED, THE ENTIRE PIPE LINE, OR ANY SECTION THEREOF, SHALL BE SUBJECTED TO HYDROSTATIC PRESSURE EQUAL TO FIFTY (50) PERCENT MORE THAN THE OPERATING PRESSURE AT THE LOWEST ELEVATION OF THE PIPE SECTION, BUT NOT TO EXCEED THE PRESSURE RATING OF THE TYPE OF PIPE SPECIFIED. THE DURATION OF EACH PRESSURE TEST SHALL BE FOR A PERIOD OF NOT LESS THAN ONE HOUR AND NOT MORE THAN SIX HOURS. THE BASIC PROVISIONS OF AWVA C600 AND C605 SHALL BE APPLICABLE.  
THE TEST PRESURE SHALL BE DETERMINED BY THE ENGINEER. EACH SECTION OF PIPE SHALL BE SLOWLY FILLED WITH WATER AND THE SPECIFIED TEST PRESSURE SHALL BE APPLIED BY MEANS OF A PUMP CONNECTED TO THE PIPE IN A SATISFACTORY MANNER. THE PUMP, PIPE CONNECTION, AND ALL NECESSARY APPARATUS INCLUDING GAUGE AND METERS SHALL BE FURNISHED BY THE CONTRACTOR. BEFORE APPLYING THE SPECIFIED TEST PRESSURE, ALL AIR SHALL BE EXPELLED FROM THE PIPE. TO ACCOMPLISH THIS, TAPS SHALL BE MADE, IF NECESSARY, AT POINTS OF HIGHEST ELEVATION AND AFTERWARDS TIGHTLY PLUGGED. ANY CRACKED OR DEFECTIVE PIPES, FITTINGS, VALVES, OR HYDRANTS DISCOVERED IN CONSEQUENCE OF THIS PRESSURE TEST SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR WITH SOUND MATERIAL AND THE TEST SHALL BE REPEATED UNTIL SATISFACTORY TO THE ENGINEER. PROVISIONS OF AWVA C600 AND C605, WHERE APPLICABLE, SHALL APPLY.

- A LEAKAGE TEST SHALL BE CONDUCTED UPON THE SUCCESSFUL COMPLETION OF THE PRESSURE TEST. THE PRESSURE DURING THE TEST SHALL BE THE NORMAL OPERATING PRESSURE, BUT NOT LESS THAN 150 PSI. THE PRESSURE TEST SHALL BE 4 HOURS UNLESS OTHERWISE DIRECTED BY THE ENGINEER AND SHALL BE WITNESSED BY THE CITY USING A CHART FURNISHED BY THE CITY.**
- SHOULD ANY TEST DISCLOSE LEAKAGE GREATER THAN THAT PERMITTED, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, LOCATE AND REPAIR THE DEFECTIVE JOINTS AND/OR PIPE UNTIL THE LEAKAGE IS WITHIN THE PERMITTED ALLOWANCE.**
- THE PUMP, PIPE CONNECTIONS, METERING DEVICES, AND ALL NECESSARY APPARATUS FOR THE PRESSURE AND LEAKAGE TESTS SHALL BE FURNISHED BY THE CONTRACTOR. THE CONTRACTOR SHALL MAKE ALL EXCAVATIONS AND BACKFILLS AND FURNISH ALL NECESSARY ASSISTANCE FOR CONDUCTING THE TESTS.**

- DISINFECTION**  
ALL SECTIONS OF PIPE TO BE DISINFECTED SHALL BE FLUSHED TO REMOVE ANY SOLIDS OR CONTAMINATED MATERIALS. ALL NEW MAINS OR EXTENSIONS TO EXISTING MAINS SHALL BE CHLORINATED SO THAT INITIAL CHLORINE RESIDUAL IS NOT LESS THAN 50 ppm AND THAT A CHLORINE RESIDUAL OF NOT LESS THAN 25 ppm REMAINS AFTER STANDING 24 HOURS IN THE PIPE. FOLLOWING CHLORINATION, ALL TREATED WATER MUST BE FLUSHED AND PIPES FILLED WITH REPLACEMENT WATER WITH CHLORINE RESIDUAL LESS THAN 1 ppm. PROVISIONS MUST BE MADE FOR THE COLLECTION OF WATER SAMPLES TO BE COLLECTED FOR BACTERIOLOGICAL ANALYSIS ON TWO CONSECUTIVE DAYS TAKEN AT 24 HOUR INTERVALS.

- NOTES:**
- EXECUTION SHALL BE IN CONFORMANCE WITH THE LATEST EDITION ILLINOIS STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION AND THE CITY OF WATERLOO CONSTRUCTION DETAILS.
  - ALL HYDRANTS SHALL BE A-423 MUELLER SUPER CENTURION #250 (5 1/4" MAIN VALVE OPENING), THREE-WAY (TWO (2) HOSE NOZZLES 2 1/2" WITH WATERLOO THREADS 3.062, AND ONE PUMPER NOZZLE 4 1/2" NATIONAL THREADS) CONFORMING TO AWVA C-502, MECHANICAL JOINT STANDARD.
  - THE HYDRANT SHALL HAVE A MINIMUM FOUR (4) FOOT BURY DEPTH.
  - THE WATER MAIN ASSEMBLY FROM THE MAIN TO THE HYDRANT SHALL HAVE RESTRAINED JOINTS.
  - ANCHOR COUPLINGS SHALL BE DUCTILE IRON -- 8" FROM THE HYDRANT TO THE MAIN.
  - ALL MECHANICAL JOINT, DUCTILE IRON FASTENERS SHALL BE CORTEN, LOW ALLOY CORROSION RESISTANT STEEL T-HEAD BOLTS AND NUTS PER ANSI/AWVA C111/A21.11. STANDARD T-BOLTS SHALL BE USED FOR ROUND HOLES IN FLANGES. ANTI-ROTATION (SQUARE NECK OF BOLT) SHALL BE USED IN SLOTTED OPENINGS IN FLANGES.
  - HYDRANTS SHALL BE PLACED ON THE HOUSE SIDE OF SIDEWALKS NOT BETWEEN SIDEWALKS AND CURBS.
  - NO LANDSCAPING SHALL BE ALLOWED WITHIN THREE (3) FEET OF ANY HYDRANT.
  - MECHANICAL JOINT FITTINGS SHALL BE USED TO ROUTE WATER MAINS AROUND CUL-DE-SACS AND WHEN VERTICAL OR HORIZONTAL ALIGNMENTS OF PIPE EXCEED DEFLECTIONS ALLOWED. MAXIMUM DEFLECTION SHALL BE ACHIEVED AT JOINTS AND NOT ALONG PIPES.
  - WATER MAIN VALVE BOXES SHALL NOT BE INSTALLED IN DRIVEWAYS, SIDEWALKS, AND STREET CURBING.
  - ALL BLOCKING OF WATER MAIN FITTINGS, VALVES, AND HYDRANTS SHALL BE SOLID CONCRETE BLOCKING WITH OAK WEDGES.
  - MECHANICAL RESTRAINT DEVICES APPROVED BY THE CITY SHALL BE USED ON ALL MECHANICAL JOINT DUCTILE IRON FITTINGS.
  - TAPPING SLEEVES (HOT TAPS) SHALL REQUIRE STAINLESS STEEL MUELLER #H-304 OR FORD #FTSS AND/OR MECHANICAL JOINT TAPPING SLEEVE #H-615.



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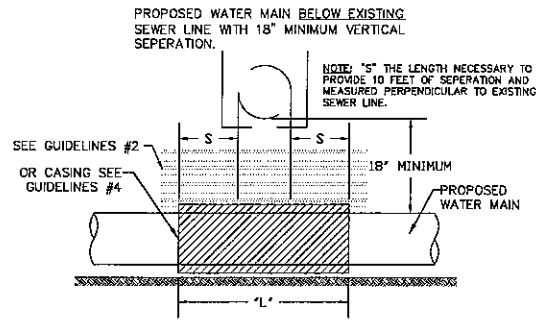
REMLOK PHASE 3  
WATER MAIN DETAILS

Revisions:  
PER CITY OF WATERLOO COMMENTS  
01/05/2011

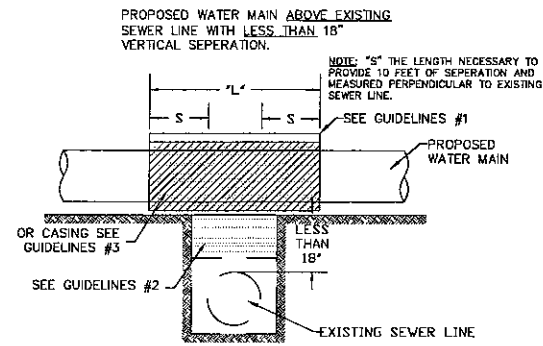
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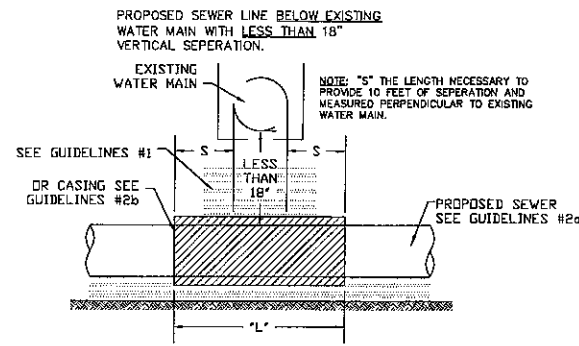
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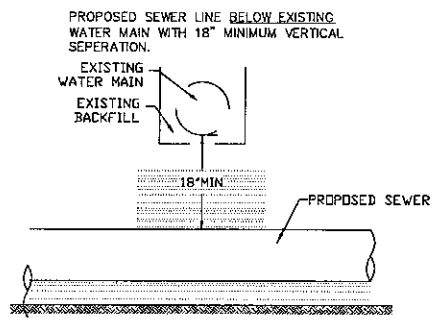
- GUIDELINES**
1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF WATER MAIN AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L".
  2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
  3. PROVIDE ADEQUATE SUPPORT FOR THE EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
  4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.



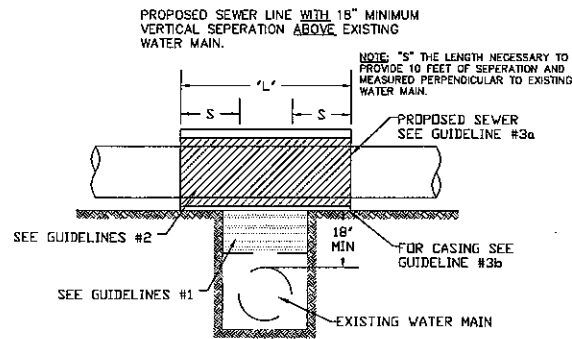
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  2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
  3. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED WATER MAIN AND SEAL ENDS OF CASING.
  4. POINT LOADS SHALL NOT BE ALLOWED BETWEEN WATER MAIN CASING AND SEWER.



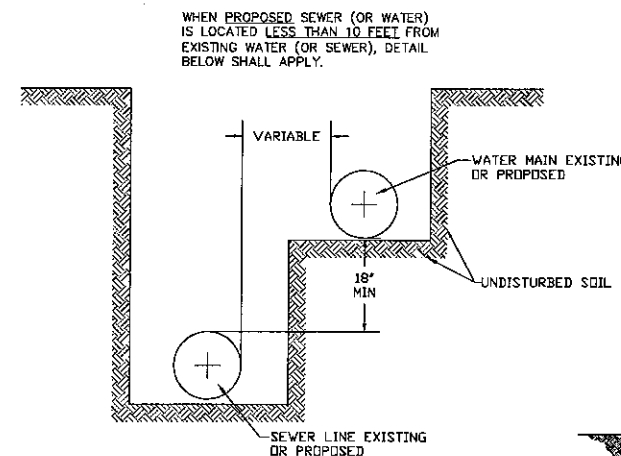
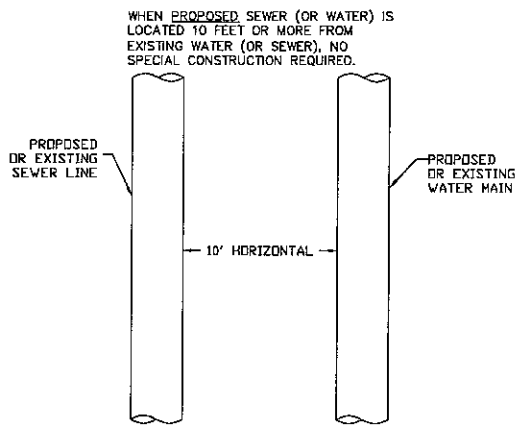
- GUIDELINES**
1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR "S" FEET ON EACH SIDE OF WATER MAIN.
  2. CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR:
  3. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.
  4. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.



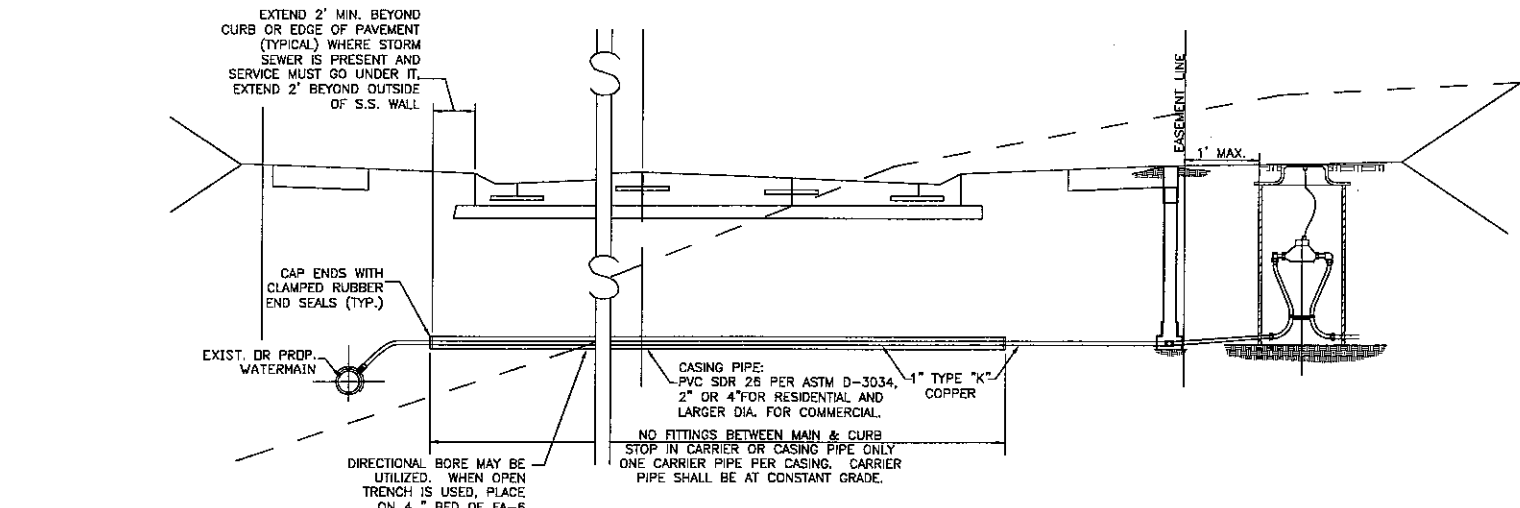
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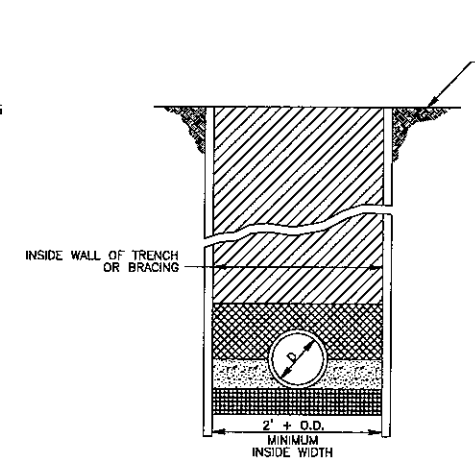
- GUIDELINES**
1. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF PROPOSED SEWER TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT.
  2. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF SEWER AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT THE LENGTH OF "L" FEET.
  3. CONSTRUCT "L" FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND PRESSURE TEST, OR:
  4. USE "L" FEET OF WATER MAIN MATERIAL FOR CASING OF PROPOSED SEWER AND SEAL ENDS OF CASING.



PLAN VIEW

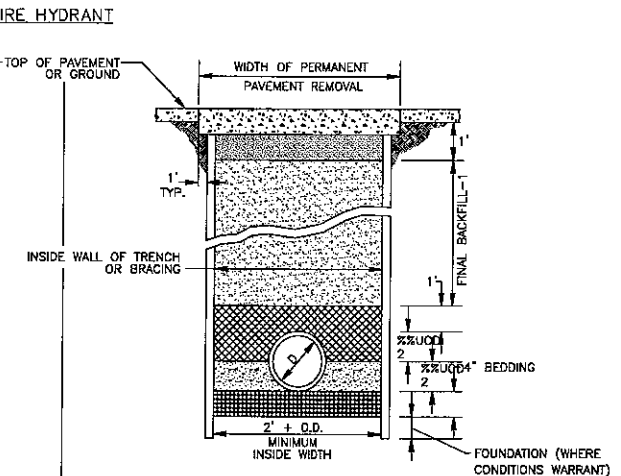


RESIDENTIAL WATER SERVICE INSTALLATION



- LEGEND**
- BEDDING FA-6, ALL LOCATIONS
  - HAUNCHING FA-6, ALL LOCATIONS
  - INITIAL BACKFILL FA-6 ALL LOCATIONS
  - FINAL BACKFILL CASE I BACKFILL; ALL CASE I BACKFILL SHALL BE EXCAVATED MATERIAL FREE OF ORGANICS, CLDS, ETC.

TRENCHING DETAIL WATER MAIN BACKFILL NON-PAVED AREAS



- LEGEND**
- BEDDING FA-6, ALL LOCATIONS
  - HAUNCHING FA-6, ALL LOCATIONS
  - INITIAL BACKFILL FA-6 ALL LOCATIONS
  - FINAL BACKFILL-1 CA-7 (TYPE A), ALL LOCATIONS WHERE THE EDGE OF THE TRENCH IS LOCATED WITHIN TWO (2) FT. OF A PERMANENT SURFACE, INCLUDING DRIVEWAYS AND SIDEWALK.
  - FINAL BACKFILL-2 CA-6 (TYPE A), ALL LOCATIONS AS DESCRIBED FOR FINAL BACKFILL-1.

TRENCHING DETAIL WATER MAIN BACKFILL PAVED AREAS

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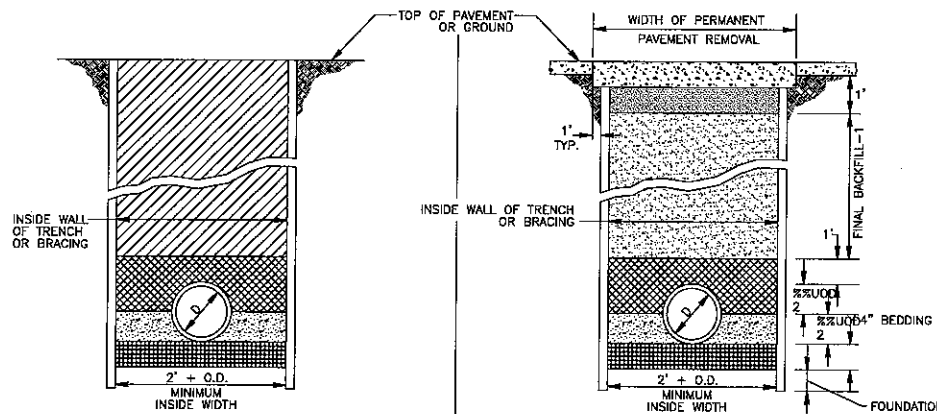
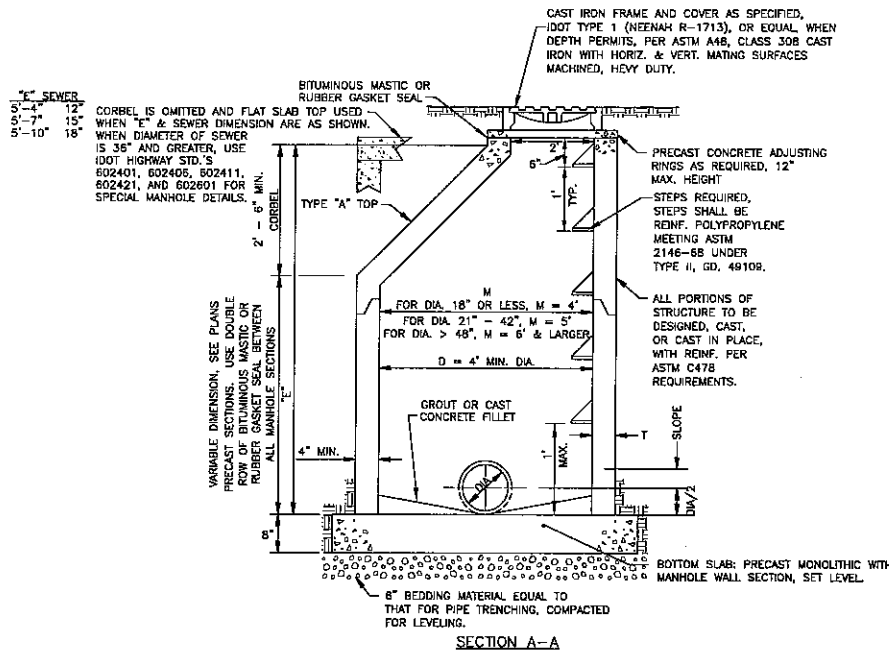
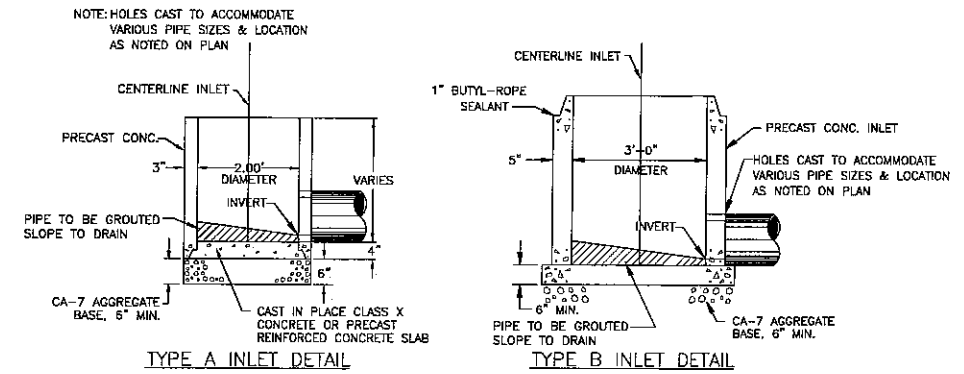
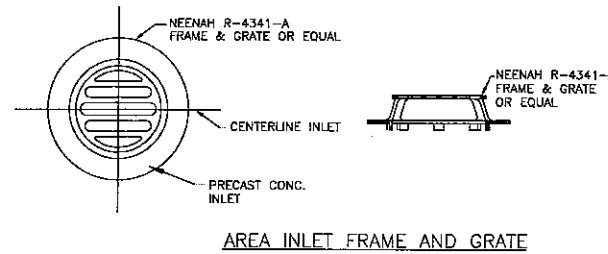
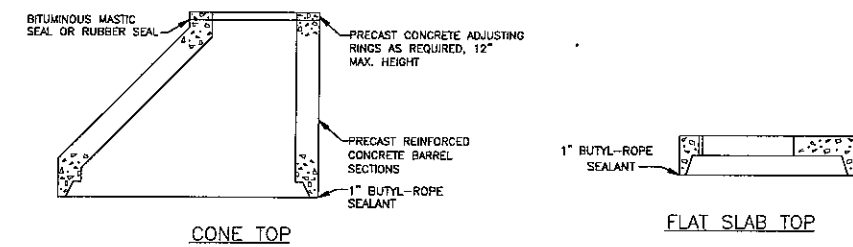
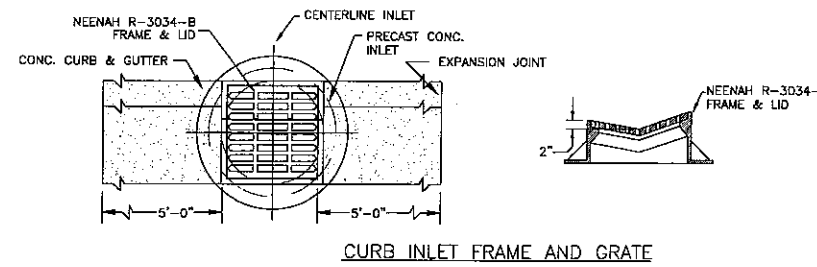
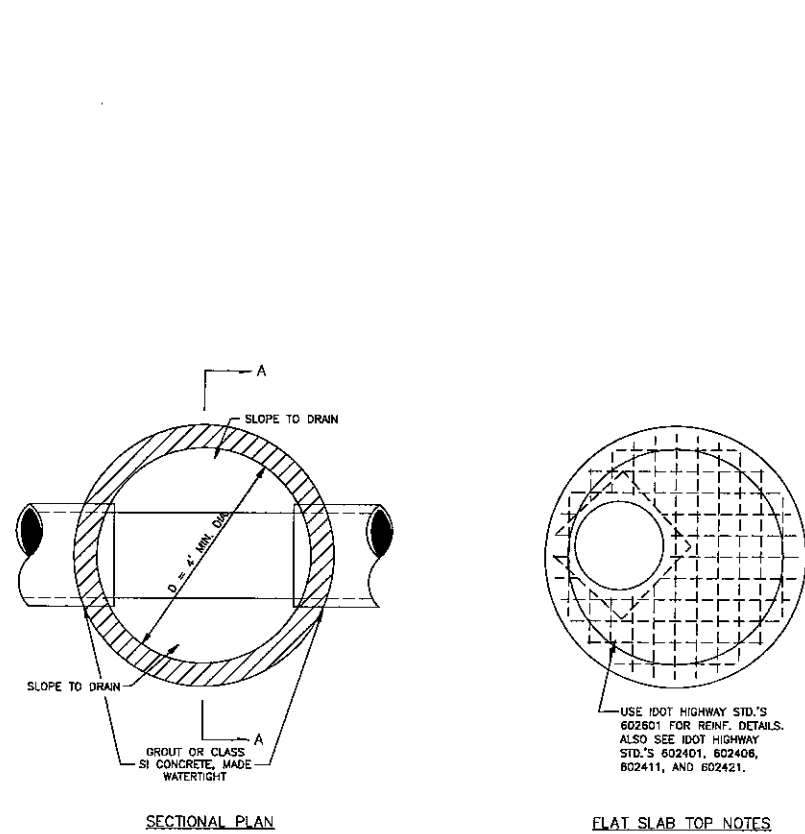
REMLOK PHASE 3  
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Revisions:  
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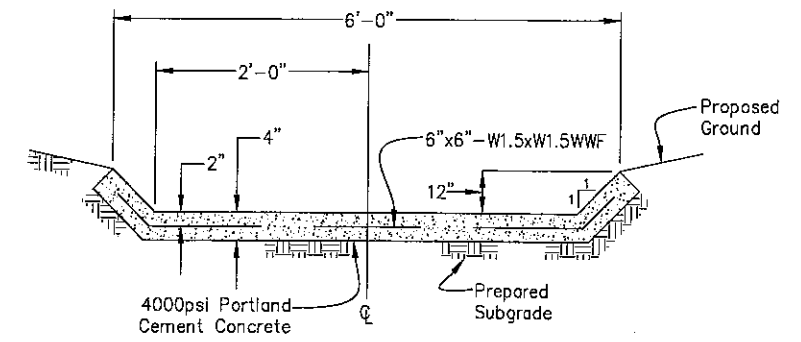
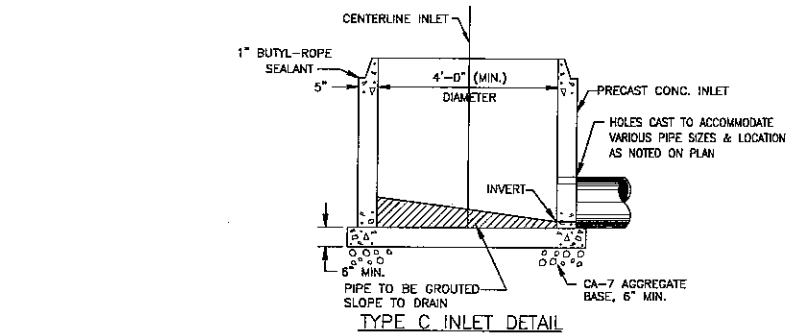


- LEGEND**
- BEDDING CA-7, ALL LOCATIONS
  - HAUNCHING CA-7, ALL LOCATIONS
  - INITIAL BACKFILL CA-7 ALL LOCATIONS
  - FINAL BACKFILL-1 CA-7 (TYPE A), ALL LOCATIONS WHERE THE EDGE OF THE TRENCH IS LOCATED WITHIN TWO (2) FT. OF A PERMANENT SURFACE, INCLUDING DRIVEWAYS AND SIDEWALK.
  - FINAL BACKFILL-2 CA-6 (TYPE A), ALL LOCATIONS AS DESCRIBED FOR FINAL BACKFILL-1.

ALL CASE I BACKFILL SHALL BE EXCAVATED MATERIAL FREE OF ORGANICS, CLODS, ETC.

- LEGEND**
- BEDDING CA-7, ALL LOCATIONS
  - HAUNCHING CA-7, ALL LOCATIONS
  - INITIAL BACKFILL CA-7 ALL LOCATIONS
  - FINAL BACKFILL-1 CA-7 (TYPE A), ALL LOCATIONS WHERE THE EDGE OF THE TRENCH IS LOCATED WITHIN TWO (2) FT. OF A PERMANENT SURFACE, INCLUDING DRIVEWAYS AND SIDEWALK.
  - FINAL BACKFILL-2 CA-6 (TYPE A), ALL LOCATIONS AS DESCRIBED FOR FINAL BACKFILL-1.

**TRENCHING DETAIL**  
PAVED AREAS



- NOTES:**
- 1.) CONSTRUCTION AND INSTALLATION SHALL BE PER IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
  - 2.) "T" DIMENSION SHALL BE AS PER ASTM C478 AND IDOT HIGHWAY STANDARDS. ALL CONCRETE, AND CONSTRUCTION SHALL BE PER IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
  - 3.) ALL STORM SEWER PIPE LOCATED UNDER ROADWAY PAVEMENT OR WITHIN TWO FEET OF THE PAVEMENT EDGE OR BACK OF CURBING SHALL BE REINFORCED CONCRETE PIPE (RCP) CONFORMING TO CURRENT IDOT STANDARD SPECIFICATIONS.
  - 4.) ALL STORM SEWER PIPE LOCATED BEYOND THE ABOVE MENTIONED ROADWAY AREAS SHALL BE RCP, POLYVINYL CHLORIDE (PVC) PIPE (PER IDOT CLASS B REQUIREMENTS FOR SUCH, TYPICAL SDR 35), OR CORRUGATED POLYETHYLENE (PE) PIPE WITH A SMOOTH INTERIOR (PER IDOT CLASS D REQUIREMENTS FOR SUCH, AASHTO M 294, TYPE S OR D).
  - 5.) ALL STORM SEWERS THAT COLLECT DEBRIS, SILT, MUD, CONCRETE, BUILDING SUPPLIES, ETC. SHALL BE JET CLEANED AND THE CLEANING SHALL BE THE SOLE COST AND RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR INSTALLING THE IMPROVEMENTS.

**STORM MANHOLE**

Prepared For:  
**D & A BUILDERS**  
1187 MOORE RD.  
WATERLOO, IL 62298  
(618) 959-7183

**ENGINEER:**  
**WGW ENGINEERING, LLC**  
6840 COUNTRY LANE  
MASCOUTAH, IL 62458  
(618) 304-3403

**SURVEYOR:**  
**HENEGHAN AND ASSOCIATES, P.C.**  
3100 AVISION DRIVE  
COLUMBIA, IL 62236  
(618) 281-8133

Seal:

Lic.Exp.

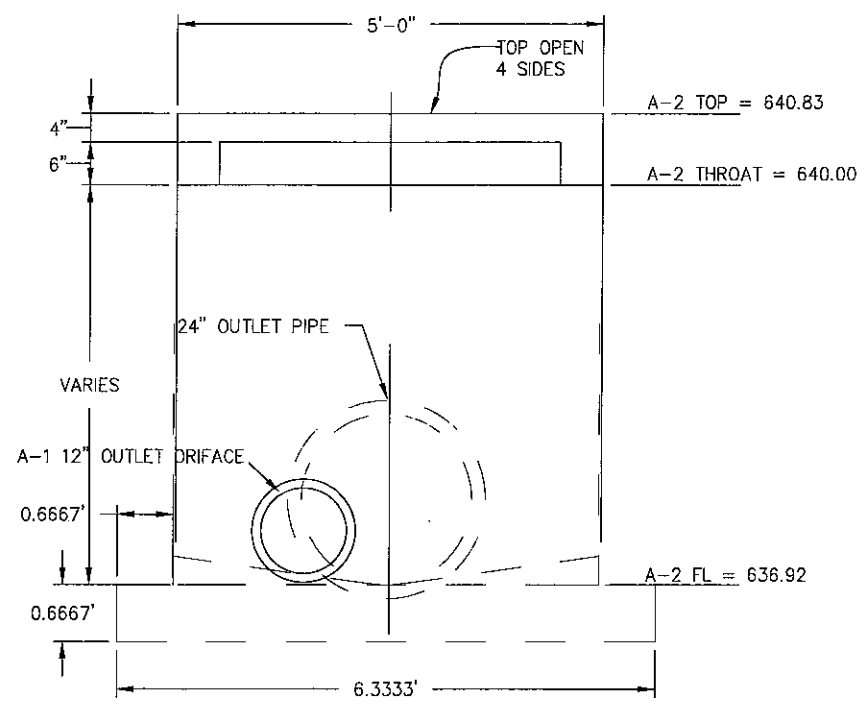
**REMLOK PHASE 3**  
**STORM SEWER DETAILS**

Revisions:  
PER CITY OF WATERLOO COMMENTS  
01/05/2011

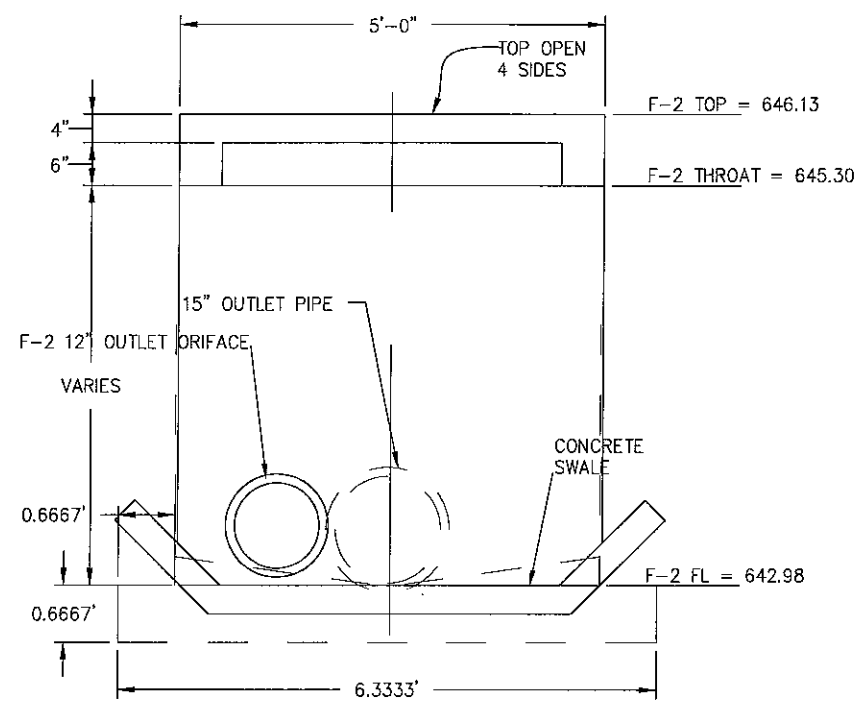
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**WGW**

Date:  
12/15/2010

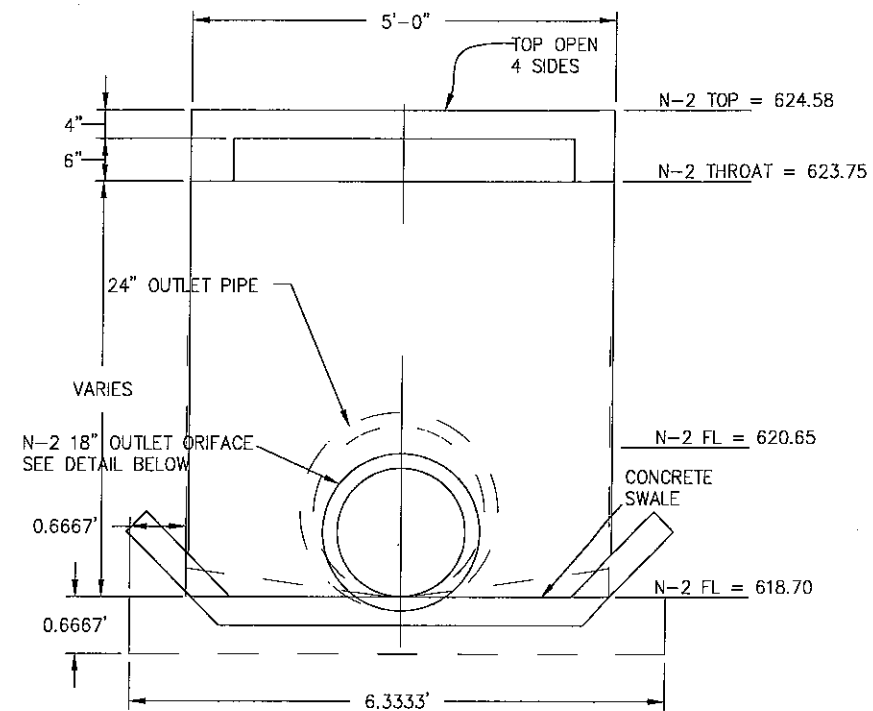
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OF 20



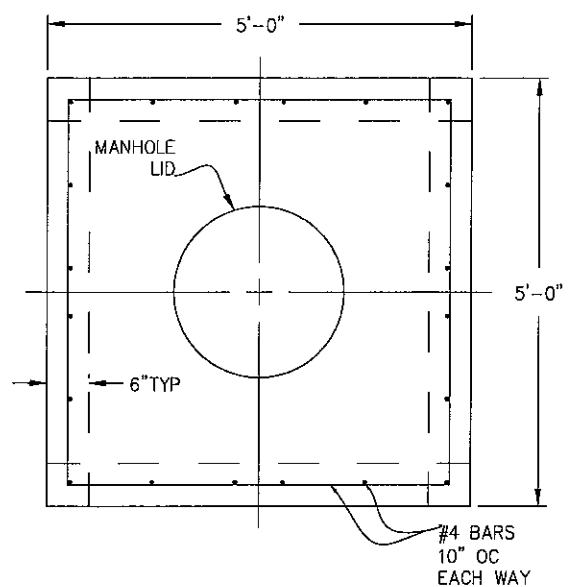
OUTFALL STRUCTURE A-2 ELEVATION  
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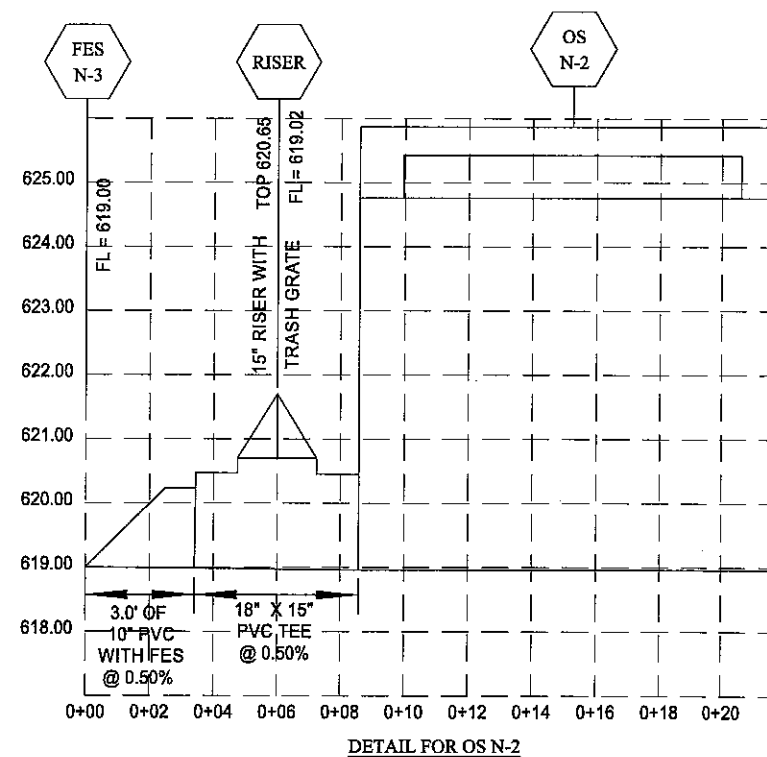
OUTFALL STRUCTURE F-2 ELEVATION  
NO SCALE



OUTFALL STRUCTURE N-2 ELEVATION  
NO SCALE



OUTFALL STRUCTURE A-2, F-2 & N-2 PLAN  
NO SCALE



DETAIL FOR OS N-2

Prepared For:  
D & A BUILDERS  
1167 MOORE RD.  
WATERLOO, IL 62296  
(618) 939-7183

ENGINEER:  
WGW ENGINEERING, LLC  
6800 COUNTY LAKE  
MASCOUTAH, IL 62258  
(618) 304-3635

SURVEYOR:  
HENEGHAN AND  
ASSOCIATES, P.C.  
310A VISION DRIVE  
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Seal:

Lic. Exp.

REMLOK PHASE 3  
STORM SEWER DETAILS

Revisions:  
PER CITY OF  
WATERLOO  
COMMENTS  
01/05/2011

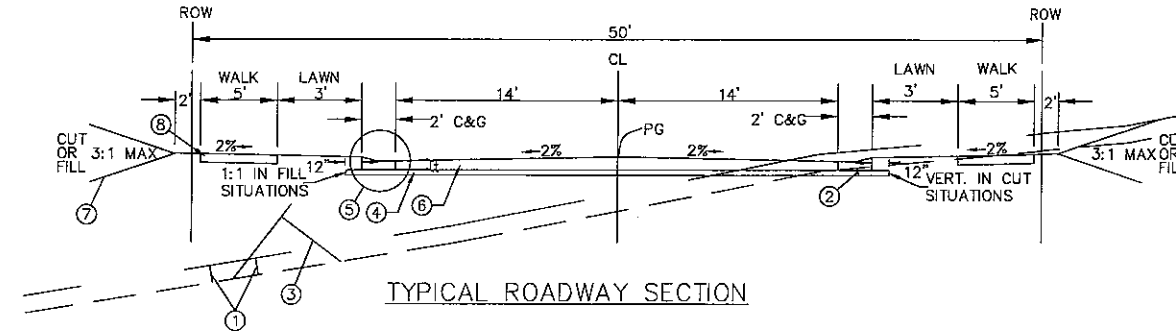
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WGW

Date:  
12/15/2010

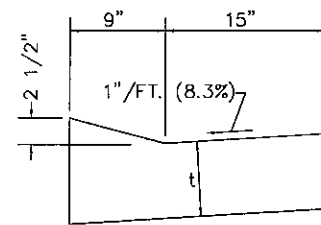
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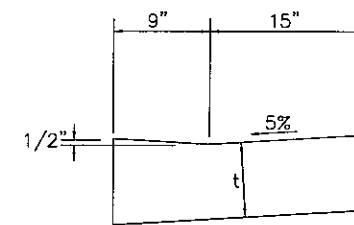




- NOTES:
1. TOPSOIL REMOVAL (DEPTH AS REQUIRED BY SOILS INVESTIGATION)
  2. EARTH EXCAVATION (CAN BE USED FOR STRUCTURAL EARTH FILL OR EMBANKMENT)
  3. COMPACTED STRUCTURAL EARTH FILL (MATERIAL REQUIREMENTS PER SOILS INVESTIGATION)
  4. BASE COURSE SHALL BE; AGGREGATE BASE COURSE, TYPE A OR B, 5" (MIN.) OVER SUBBASE OF CA-4 AGGREGATE, 5" (MIN.)
  5. TYPICAL CURB PER DETAILS.
  6. PAVEMENT SHALL BE ; HOT MIX ASPHALT, SUPERPAVE, MIXTURE "C", N50, 1 1/2" (MIN.) OVER HMA, SUPERPAVE, BINDER COURSE, IL-19.01, N50 1 1/2" (MIN.) OVER 3" MIN. HMA, SUPERPAVE, BASE COURSE + PRIME COAT (PER IDOT STANDARD SPECIFICATIONS).
  7. EMBANKMENT (CAN BE TOPSOIL REMOVAL OR EARTH EXCAVATION MATERIAL).
  8. PORTLAND CEMENT CONCRETE SIDEWALK, 4" (MIN.), CLASS "SI" CONCRETE PER STD. SPECS. (SEE APPLICABLE ORDINANCES REGARDING USE OF THICKER, 6" (MIN.) SIDEWALK AND REINFORCEMENT THROUGH DRIVEWAYS).



V TYPE  
(PER COUNTY STD. "C")



V TYPE: DEPRESSED FOR ADA RAMP  
(MODIFIED COUNTY STD. "C")

t = 7" (MIN.) ADJACENT TO BITUM. PAVEMENT, AGG. BSE., TY. A UNDER C&G REDUCED TO 4". CURB, WHEN POURED SEPARATELY, SHALL BE CLASS "SI" CONCRETE.

Prepared For:  
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WATERLOO, IL 62298  
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ENGINEER:  
WGWE ENGINEERING, LLC  
1000 W. STATE ST.  
MASCOUTAH, IL 62256  
(618) 566-2717

SURVEYOR:  
HENEGHAN AND ASSOCIATES, P.C.  
310A VISION DRIVE  
COLUMBIA, IL 62236  
(618) 281-8133

Seal:  
  
Lic. Exp.

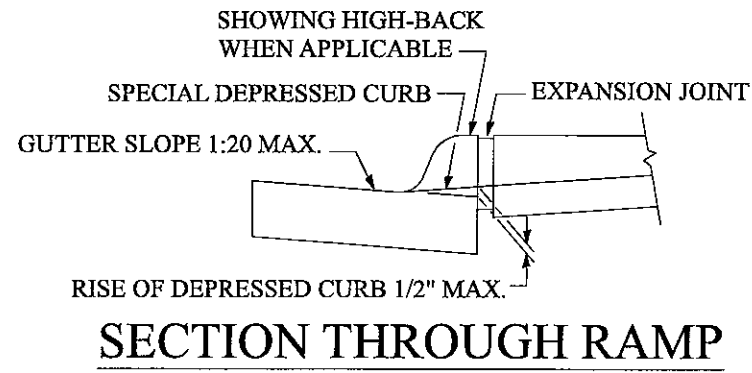
REMLOK PHASE 3  
PAVEMENT DETAILS

Revisions:  
PER CITY OF WATERLOO COMMENTS  
01/05/2011

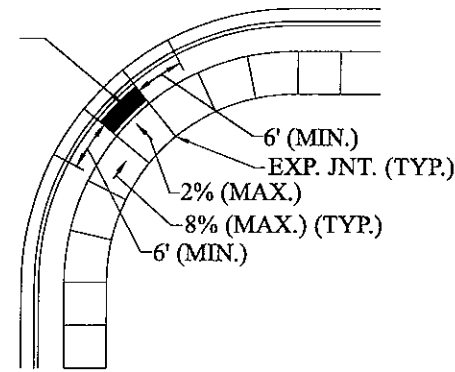
Drawn By:  
WGW

Date:  
12/15/2010

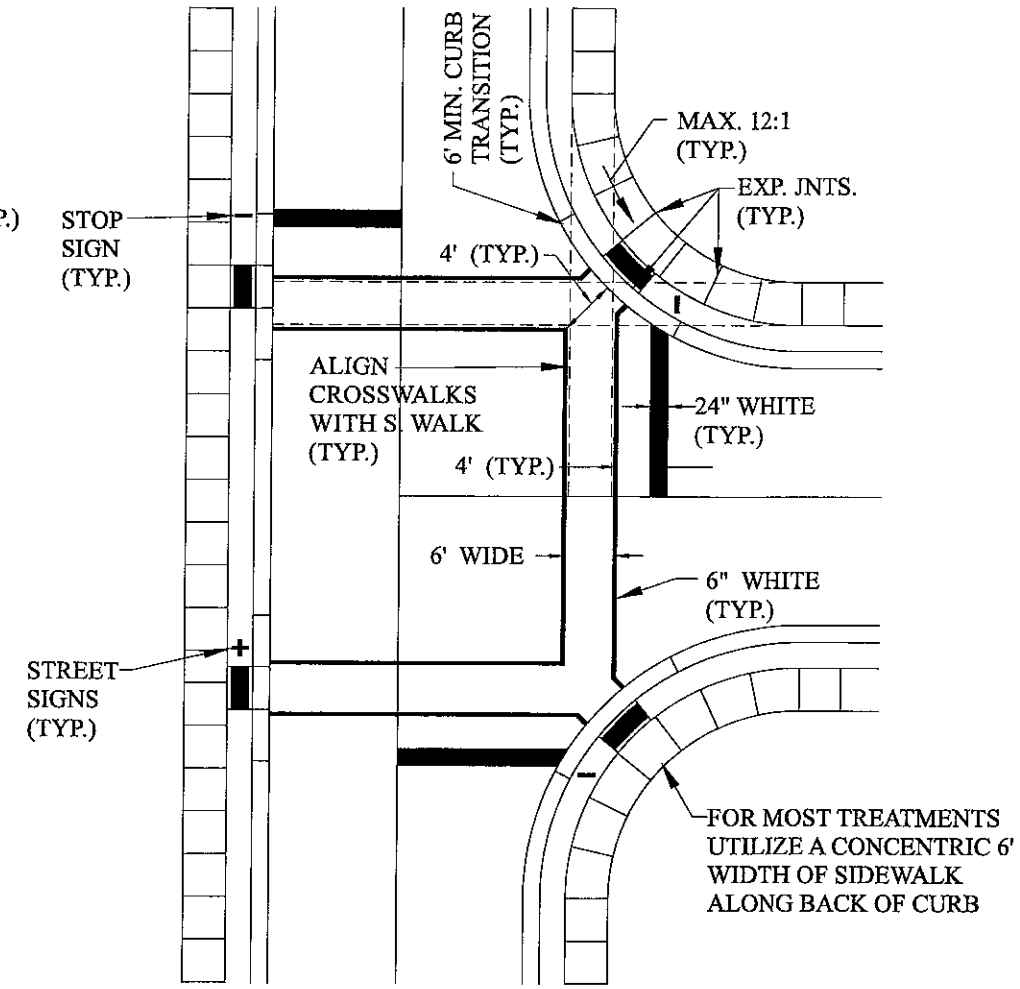
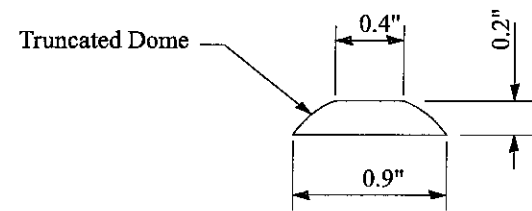
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OF 20



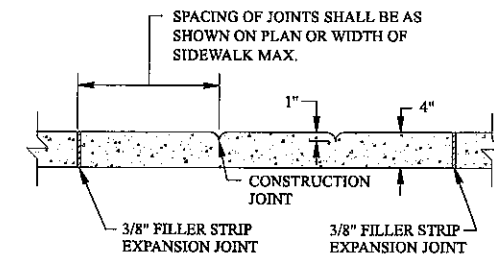
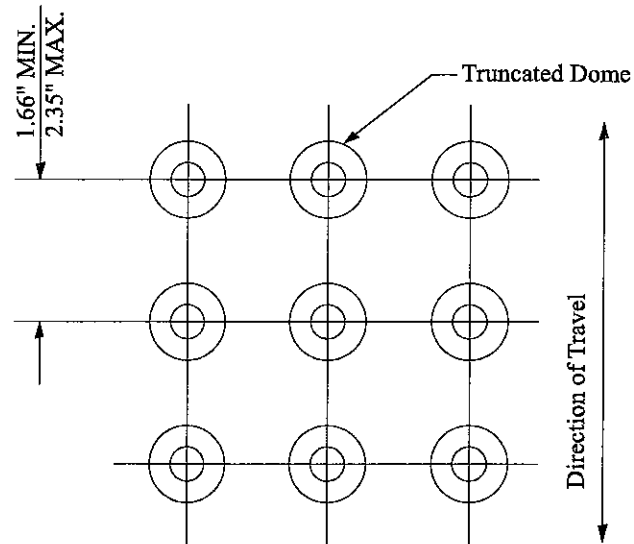
DETECTIBLE WARNINGS, PER IDOT HIGHWAY STANDARDS PLACE 2' MIN. WIDTH, 3"-6" FROM BACK OF CURB AROUND ENTIRE AREA IN FRONT OF CROSSWALKS



CAST-IN-TACT, ADA SOLUTIONS CAST-IN-PLACE COMPOSITE OR EQUAL SYSTEMS ACCEPTABLE. OTHER FIBERGLASS, BLOCK, AND OTHER SYSTEMS ARE NOT ACCEPTABLE.



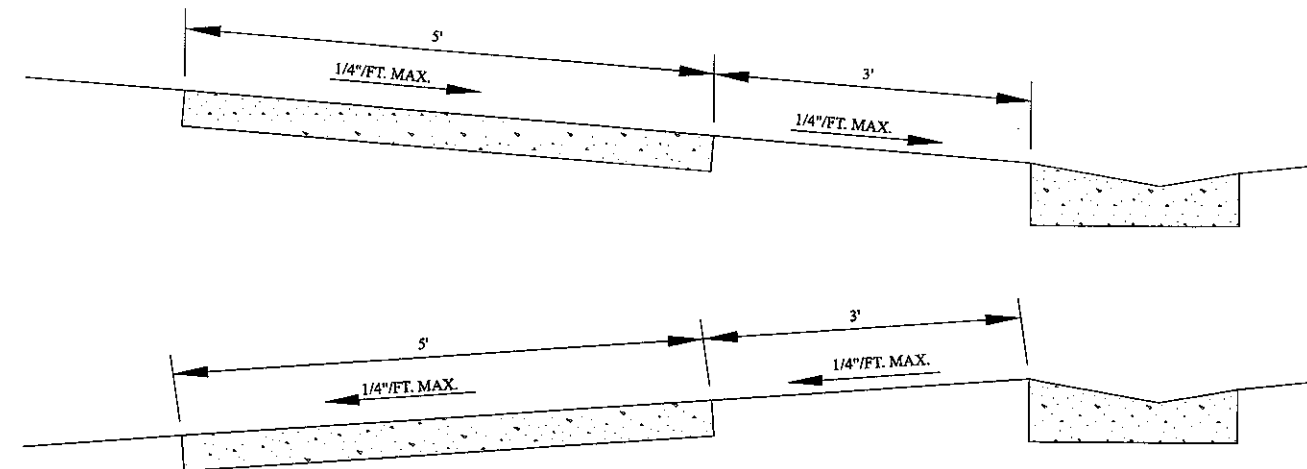
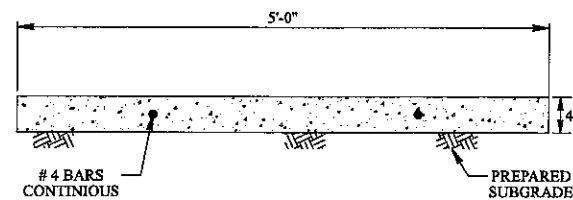
ALL PAVEMENT MARKINGS SHALL BE IDOT PAVEMENT MARKING



NOTE: MAXIMUM 25' SPACING BETWEEN EXPANSION JOINTS PROVIDE EXPANSION JOINT MATERIAL AND SEALANT WHERE SIDEWALK AND BUILDING INTERFACE.

THICKEN WALKS TO 6" AT ALL DRIVEWAYS.

**SIDEWALK JOINT DETAIL**



Prepared For:  
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1187 MOORE RD.  
WATERLOO, IL 62298  
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ENGINEER:  
WGW ENGINEERING, LLC  
6800 COUNTRY LANE  
MASCOUTAH, IL 62258  
(618) 304-3535

SURVEYOR:  
HENEGHAN AND ASSOCIATES, P.C.  
3104 VISION DRIVE  
COLUMBIA, IL 62236  
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Seal:  
  
Lic. Exp.

REMLOK PHASE 3  
SIDEWALK DETAILS

Revisions:  
PER CITY OF WATERLOO COMMENTS  
01/05/2011

Drawn By:  
WGW

Date:  
12/15/2010

C-11.1  
OF 20

**DETECTIBLE WARNINGS DETAIL**

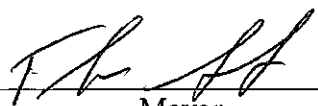
**AGENDA REQUEST**

(Submit by 12:00 p.m. on Wednesday before the meeting date requested.)

1. Request is made for placement on the agenda for meeting to be held on:  
June 19, 2017  
(Date)
2. Description of matter to be placed on agenda:  
Consideration and Action on a 2.75% Managerial Pay Increase.  
\_\_\_\_\_  
\_\_\_\_\_
3. Relief or action to be requested:  
Approval  
\_\_\_\_\_
4. Submittal date: 6/14/17  
  
Submitted by:  
Mayor Tom Smith  
\_\_\_\_\_  
\_\_\_\_\_

**DISPOSITION**

5. \_\_\_\_\_ Matter to be placed on agenda for meeting date requested.  
\_\_\_\_\_ Matter to be placed on agenda for meeting to be held on \_\_\_\_\_  
\_\_\_\_\_ Matter referred to \_\_\_\_\_

  
\_\_\_\_\_  
Mayor

**AGENDA REQUEST**

(Submit by 12:00 p.m. on Wednesday before the meeting date requested.)

1. Request is made for placement on the agenda for meeting to be held on:  
June 19, 2017  
(Date)
2. Description of matter to be placed on agenda:  
Consideration and Action on Consulting Agreement between City of Waterloo,  
Illinois and Brubaker & Associates, Inc.
3. Relief or action to be requested:  
Approval
4. Submittal date: 6/15/17  
  
Submitted by:  
Mayor Tom Smith

**DISPOSITION**

5.          Matter to be placed on agenda for meeting date requested.  
         Matter to be placed on agenda for meeting to be held on           
         Matter referred to

  
\_\_\_\_\_  
Mayor



BRUBAKER & ASSOCIATES, INC.

PO Box 412000  
St. Louis, MO 63141-2000  
Tel (636) 898-6725  
Fax (636) 898-6726



Powerful Connections For Energy Solutions

Physical Address

16690 Swingley Ridge Road  
Suite Number 140  
Chesterfield, MO 63017

Via: E-Mail

June 15, 2017

**CONSULTING AGREEMENT**  
**City of Waterloo and Brubaker & Associates, Inc.**

Brubaker & Associates, Inc. ("BAI") proposes to assist the City of Waterloo ("City") to negotiate a more competitive wholesale water supply from Illinois-American Water Company ("IAWC").

BAI's proposed consulting scope and budget are outlined in **Attachment 1**.

To indicate the City's acceptance of this proposed consulting scope and budget, please sign below and send a copy of this letter back to BAI.

Accepted by:

**CITY OF WATERLOO**

**BRUBAKER & ASSOCIATES, INC.**

By \_\_\_\_\_

By \_\_\_\_\_

Print Name: \_\_\_\_\_

Print Name: Michael P. Gorman

Title: \_\_\_\_\_

Title: Managing Principal



Via: E-Mail

June 5, 2017

## MEMORANDUM

**To:** Daniel J. Hayes, Esq.

**Re:** Proposed Assistance to City of Waterloo  
Public Utility Works Renegotiation of Wholesale Water Supply

Please accept this proposed consulting scope to assist the City of Waterloo ("City") to negotiate a more competitive wholesale water supply from Illinois-American Water Company ("IAWC"). As outlined in our meeting on May 30, I recommend a parallel information path for engaging IAWC in negotiations. This recommendation includes the following:

1. Review IAWC's cost of providing wholesale water service to the City. This will review a cost basis for wholesale pricing from IAWC to the City. This effort will be designed to ensure that the City is not paying costs that IAWC incurs to serve other customers. The City wholesale prices should be limited to only the cost related to the facilities actually used to provide service to the City.
2. BAI will also assist the City in developing a plan to negotiate a load retention rate with IAWC based on a viable alternative source of water supply. The objective with this alternative water supply option is to gain negotiation leverage and secure a load retention wholesale water rate which will make the City economically indifferent from staying with IAWC as its wholesale supplier, as opposed to leaving the IAWC system and producing water from its own production resource.

We propose to assist the City using various consultant and analyst personnel at BAI. The primary consultants will be me, Brian Collins, and Jessica York. My billing rate is \$250 per hour, Brian's is \$175 per hour, and Jessica's is \$130 per hour. We will also rely on the BAI Analytical Department whose billing rates are \$110 per hour or less, to produce much of the needed financial and pricing analytical work. The analytical work will be done via Jessica York's overview of our Analytical Department. The pricing and negotiation strategies and support will be performed by me and Brian Collins.



MEMORANDUM

- 2 -

June 5, 2017

BAI also can work with Eric Robertson of the firm Lueders, Robertson & Konzen to assist in any regulatory filing necessary to get a wholesale load retention rate approved. As outlined in our previous meeting, Eric has extensive experience in working for the Illinois Commerce Commission, on various retail and wholesale rate issues.

We estimate an initial budget for assessing IAWC's cost of providing wholesale service to the City will require a technical budget of around \$15,000. Assisting with the negotiation with IAWC, and reviewing pricing proposals, countering those proposals, and assisting in technical issues as they come up, is difficult to budget due to uncertain time and extent needed during negotiation. For this negotiation phase, we expect that the costs will be somewhere between \$20,000 to \$30,000. However, we will keep the City apprised of BAI time and expense, and to the extent our time approaches a budget established by the City, we will inform the City immediately so it can control BAI costs in this engagement.

I look forward to discussing this proposed consulting scope with you at your earliest possible convenience.

BRUBAKER & ASSOCIATES, INC.

*Michael P. Gorman*

Michael P. Gorman

AGENDA REQUEST

(Submit by 12:00 p.m. on Wednesday before the meeting date requested.)

1. Request is made for placement on the agenda for meeting to be held on:  
July 19, 2017  
(Date)

2. Description of matter to be placed on agenda:  
Consideration and Action on Executive Session for the Semi-Annual Executive  
Session Minute Review as per 5 ILCS 120/2(C)(21).  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Relief or action to be requested:  
Approval.  
\_\_\_\_\_

4. Submittal date: 06-09-17

Submitted by:  
Barbara Pace, City Clerk  
\_\_\_\_\_  
\_\_\_\_\_

DISPOSITION

5. \_\_\_\_\_ Matter to be placed on agenda for meeting date requested.  
\_\_\_\_\_ Matter to be placed on agenda for meeting to be held on \_\_\_\_\_  
\_\_\_\_\_ Matter referred to \_\_\_\_\_

  
\_\_\_\_\_  
Mayor