

WATERLOO CITY COUNCIL

Regular Meeting Agenda

Date: April 17, 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.
 - A. Consideration and Action on April 03, 2017, 7:15 p.m., Public Hearing Minutes.
 - B. Consideration and Action on April 03, 2017, 7:30 p.m., City Council Meeting Minutes.
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 Community Relations Coord.
 - H. Report of City Attorney.
 - I. Report and Communication by Mayor.
 1. Presentation of Commendation to Donovan McBride for his Achievements at the 2016 IHSA State Track Meet.
 2. Presentation of Commendation to Jude's Dog Grooming on their 25th Year Anniversary.
 3. Reappointment of Mr. Gary Schroeder to the Police Pension Board for a Two-Year Term to Expire May 14, 2019.
 4. Reappointment of Mr. Chuck Pittman to the Board of Police Commissioners for a Three-Year Term to Expire 05-01-20.
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. 1724 Adopting an Amended Annual Budget for the City of Waterloo, Illinois for the Fiscal Year of May 1, 2016 Through April 30, 2017.
 - B. Consideration and Action on Ordinance No. 1725 Adopting the Annual Budget for the City of Waterloo, Illinois for the Fiscal Year of May 1, 2017 Through April 30, 2018.
 - C. Consideration and Action on Resolution No. 17-07 Approving a Mural Policy.
 - D. Consideration and Action on Resolution No. 17-08 Approving the Signing of a Lease Agreement Between the City of Waterloo, IL and William and Teresa Hatley for Parking Lot Rental.
11. Unfinished Business.
12. Miscellaneous Business.
 - A. Consideration and Action on Approval of Façade Grant from Willie's West End Tavern.
 - B. Consideration and Action on Special Event Permit Application from the Stubborn German Brewery for the closure of Main Street, directly in front of their building, to be closed from 11:00 a.m. to 12 Midnight on Saturday, April 22, 2017 to Celebrate their One-Year Anniversary.
 - C. Consideration and Action on Solicitation Request from the Waterloo Lion's Club for their Annual Diabetes Day Collection to be held on Friday and Saturday, May 5th and 6th, 2017 at the Intersections as listed on the attached.
 - D. Consideration and Action on Special Event Permit Application from the Waterloo Chamber of Commerce for the Mayfest to be held on May 6, 2017.
 - E. Consideration and Action on Special Event Permit Application from the Waterloo Chamber of Commerce for the 2017 Downtown Concert Series.
 - F. Consideration and Action on Special Event Permit Application from the Violence Prevention Center of Southwestern Illinois for Kristina's Race for Peace 5K Walk / Run to be held on May 6, 2017 from 6:00 a.m. to 11:00 a.m. with the Awards in the Bandstand on the Courthouse Lawn.
 - G. Consideration and Action on Approval of the Country Club Hills Phase II Improvement Plans.
 - H. Consideration and Action on Approval of the Final Plat for Waterloo Commons Lot No. 15.
 - I. Consideration and Action on Approval of the Reappointment of Mr. Dan Kennedy as Secretary/Treasurer to the Waterloo Cemetery Board for a Three-Year Term to Expire 04-01-20.
 - J. Consideration and Action on Approval of the Reappointment of Ms. Jean Jung as Trustee to the Waterloo Cemetery Board for a Three-Year Term to Expire 04-01-20.
 - K. Consideration and Action on Approval of Henke Excavating, Inc. as Low Bidder in the Amount of \$89,219.00 for the 2017 Street, Curb & Sidewalk Improvement Program as Opened on April 12, 2017 at 2:00 p.m.
13. Discussion of Matters by Council Members Arising After Agenda Deadline.
14. Motion to Adjourn.

DATES TO REMEMBER

April 20, 2017 – Zoning Board of Appeals Meeting, Waterloo City Hall: Council Chambers, 7:30 p.m.
April 25, 2017 – American Legion Meeting, Waterloo City Hall: Second Floor, 7:00 p.m.
May 01, 2017 – City Council Meeting, Waterloo City Hall: Council Chambers, 7:30 p.m.

**MINUTES OF THE
PUBLIC HEARING
HELD ON APRIL 03, 2017**

SUBJECT: Proposed Tentative Annual Budget for Fiscal Year May 1, 2017 through April 30, 2018.

1. The meeting was called to order by Mayor Smith at 7:15 p.m.

The following Aldermen were present: Notheisen, Thomas, Hopkins, Trantham, Darter, Frederick, Row and Heller.

2. Call to Notice (Advertisement is on file at City Hall).
3. Presentation of proposed Tentative Annual Budget for Fiscal Year May 1, 2017 through April 30, 2018.
4. Discussion, Questions and Answers.
5. There being no further items on the agenda, a motion was made by Alderman Notheisen and seconded by Alderman Frederick to adjourn. Motion passed unanimously with Aldermen Notheisen, Thomas, Hopkins, Trantham, Darter, Frederick, Row and Heller voting yea. Mayor Smith adjourned the meeting at 7:20 p.m.

**BARBARA PACE,
CITY CLERK**

**MINUTES OF THE
CITY COUNCIL MEETING
APRIL 03, 2017**

1. The meeting was called to order by Mayor for the Day, Grant Lohrberg.
2. The following Aldermen were present: Notheisen, Thomas, Hopkins, Trantham, Darter, Frederick, Row and Heller.
3. Pledge of Allegiance led by the Mayor for the Day Grant Lohberg.
4. Correction or Withdrawal of Agenda Items by Sponsor.
None
5. Approval of Minutes as Written or Amended.
Motion made by Alderman Darter and seconded by Alderman Heller to approve March 20, 2017, 7:30 p.m., City Council Meeting Minutes. Motion passed unanimously to approve the minutes with Aldermen Darter, Frederick, Row, Heller, Notheisen, Thomas, Hopkins and Trantham voting yea.
6. Petitions by Citizens on Non-Agenda Items.
Emily Whelan addressed the Council to follow up on her suggestion to offer a live video stream of council meetings. Mayor Smith said the matter would be looked into during an upcoming ordinance committee meeting.
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 Director of Public Works.
Tim Birk reported the City is in the process of conducting a special census and the job application forms are available at City Hall.
 - E. Report of Chief of Police.
No report.
 - F. Report of City Attorney.
No report.
 - G. Report and Communication by Mayor.
 1. Presentation of Mayor for the Day, Grant Lohrberg.
 2. Presentation of Commendation to the Monroe County Farm Bureau for their 100th Anniversary.
 3. Presentation of Military Commendation to Lieutenant Mitchell Brown, US Army.
 4. Presentation of a Proclamation naming April 2017 as Child Abuse Prevention Month. Kay Clements and Linn Page addressed the Council.
 5. Presentation of the Good Neighbor Award to Barb Zarzeck.
 6. Mayor Smith announced Waterloo was voted the 12th safest city in the United States.
8. Report of Standing Committees.
No report.
9. Report of Special Committees.
No report.

10. Presentation of Communications, Petitions, Resolutions, Orders and Ordinances by Aldermen.
 - A. Consideration and Action on Ordinance No. 1719 Amending the City of Waterloo, Illinois Revised Code of Ordinances, Chapter 7 Business Code, by the Addition of Article IX Special Events-Streets, Sidewalks and Public Places.

Motion made by Alderman Heller and seconded by Alderman Row to approve Ordinance No. 1719 amending the City of Waterloo, Illinois Revised Code of Ordinances, Chapter 7 Business Code, by the addition of Article IX Special Events-Streets, Sidewalks and Public Places. Discussion. Alderman Heller stated the Ordinance EXCLUDES solicitations on public highways, merchandise and outdoor dining on public street/sidewalk as these are addressed in their respective codes. Motion passed unanimously with Aldermen Heller, Notheisen, Thomas, Hopkins, Trantham, Darter, Frederick and Row voting yea.
 - B. Consideration and Action on Ordinance No. 1720 Amending the City of Waterloo, Illinois Revised Code of Ordinances, Chapter 7 Business Code, by the Addition of Article X Mobile Food Vendors.

Motion made by Alderman Heller and seconded by Alderman Notheisen to approve Ordinance No. 1720 amending the City of Waterloo, Illinois Revised Code of Ordinances, Chapter 7 Business Code, by the addition of Article X Mobile Food Vendors. Discussion. The Ordinance Committee agreed to this Ordinance. Motion passed 7-1 with Aldermen Heller, Notheisen, Thomas, Hopkins, Trantham, Frederick and Row voting yea. Alderman Darter voted nay.
 - C. Consideration and Action on Ordinance No. 1721 Amending the City of Waterloo, Illinois Revised Code of Ordinances, Chapter 12 Fees, Section 12-1-1 Imposition of Fees, by the Addition of (T) Mobile Food Vendor Permit.

Motion made by Alderman Heller and seconded by Alderman Notheisen to approve Ordinance No. 1721 amending the City of Waterloo, Illinois Revised Code of Ordinances, Chapter 12 Fees, Section 12-1-1 Imposition of Fees, by the addition of (T) Mobile Food Vendor Permit. Motion passed 7-1 with Aldermen Heller, Notheisen, Thomas, Hopkins, Trantham, Frederick and Row voting yea. Alderman Darter voted nay.
 - D. Consideration and Action on Ordinance No. 1722 Amending the City of Waterloo, Illinois Revised Code of Ordinances, Chapter 40 Zoning Code, Article I General Provisions, Section 40-1-15 Definitions, Regarding the Definition of “Billboard”.

Motion made by Alderman Heller and seconded by Alderman Frederick to approve Ordinance No. 1722 amending the City of Waterloo, Illinois Revised Code of Ordinances, Chapter 40 Zoning Code, Article I General Provisions, Section 40-1-15 Definitions, regarding the definition of “Billboard”. Discussion. The Ordinance Committee approved this Ordinance. Motion passed unanimously with Aldermen Heller, Notheisen, Thomas, Hopkins, Trantham, Darter, Frederick and Row voting yea.
 - E. Consideration and Action on Ordinance No. 1723 Amending the City of Waterloo, Illinois Revised Code of Ordinances, Chapter 6 Building Regulations, Article I Building Code, Section 6-1-2 Additions, Insertions, Deletions and Changes with Respect to the International Building Code 2006, Subsection 1.1404.1 General, Regarding Exterior Building Materials. Motion made by Alderman Notheisen and seconded by Alderman Hopkins to approve Ordinance No. 1723 amending the City of Waterloo, Illinois Revised Code of Ordinances, Chapter 6 Building Regulations, Article I Building Code, Section 6-1-2 Additions, Insertions, Deletions and Changes with Respect to the International Building Code 2006, Subsection 1.1404.1 General, regarding Exterior Building Materials. Alderman Hopkins stated this will apply to exterior materials in the I – Industrial Zone Districts. Motion passed unanimously with Aldermen Notheisen, Thomas, Hopkins, Trantham, Darter, Frederick Row and Heller voting yea.
11. Unfinished Business.

None.

12. Miscellaneous Business.

- A. Consideration and Action on Warrant No. 552.
Motion made by Alderman Heller and seconded by Alderman Frederick to approve Warrant No. 552. Motion passed unanimously with Aldermen Heller, Notheisen, Thomas, Hopkins, Trantham, Darter, Frederick and Row voting yea.
- B. Consideration and Action on Monthly Household Charge for Trash Pickup to \$14.89.
Motion made by Alderman Thomas and seconded by Alderman Heller to approve the Monthly Household Charge for Trash Pickup to \$14.89. Motion passed unanimously with Aldermen Thomas, Hopkins, Trantham, Darter, Frederick, Row, Heller and Notheisen voting yea.
- C. Consideration and Action on Approval of Bruce Concrete Construction Inc. as Low Bidder in the Amount of \$179,618.42 for the Oak Street Project as Opened on March 22, 2017 at 2:00 p.m.
Motion made by Alderman Hopkins and seconded by Alderman Row to approve Bruce Concrete Construction Inc. as low bidder in the amount of \$179,618.42 for the Oak Street Project as opened on March 22, 2017 at 2:00 p.m. Motion passed unanimously with Aldermen Hopkins, Trantham, Darter, Frederick, Row, Heller, Notheisen and Thomas voting yea.
- D. Consideration and Action on Approval of Sewer Camera Bid in the Amount of \$72,200.00 from Key Equipment & Supply Company.
Motion made by Alderman Hopkins and seconded by Alderman Heller to approve a Sewer Camera Bid in the amount of \$72,200.00 from the Key Equipment & Supply Company. Discussion. Tim Birk explained the need for a new camera and the function. Motion passed unanimously with Aldermen Hopkins, Trantham, Darter, Frederick, Row, Heller, Notheisen and Thomas voting yea.
- E. Consideration and Action on Approval of a Site Plan for the Immanuel Lutheran Church Addition and Waiver of Associated Fees.
Motion made by Alderman Heller and seconded by Alderman Notheisen to approve a Site Plan for the Immanuel Lutheran Church Addition and waiver of associated fees. Motion passed unanimously with Aldermen Heller, Notheisen, Thomas, Hopkins, Trantham, Darter, Frederick and Row voting yea.
- F. Consideration and Action on Purchase of 18 Smith & Wesson M & P Shield 2.0, 9mm Pistols, Magazines, Holsters and Night Sights from Canyon Ferry Guns for a Total of \$2,881.00 after Trade-in of Used Department Guns. Motion made by Alderman Row and seconded by Alderman Frederick to approve the purchase of 18 Smith & Wesson M & P Shield 2.0, 9mm Pistols, Magazines, Holsters and Night Sights from Canyon Ferry Guns for a total of \$2,881.00 after trade-in of used department guns. Motion passed unanimously with Aldermen Row, Heller, Notheisen, Thomas, Hopkins, Trantham, Darter and Frederick voting yea.
- G. Consideration and Action on Solicitation Request from the 4-H Monroe County Hoofbeats Competition Team to hold a Fundraiser at the Intersection of Hamacher / Rogers on April 15, 2017.
Motion made by Alderman Notheisen and seconded by Alderman Frederick to approve a Solicitation Request from the 4-H Monroe County Hoofbeats Competition Team to hold a fundraiser at the intersection of Hamacher / Rogers on April 15, 2017. Motion passed unanimously with Aldermen Notheisen, Thomas, Hopkins, Trantham, Darter, Frederick, Row and Heller voting yea.

13. Discussion of Matters by Council Members Arising After Agenda Deadline.

Alderman Notheisen congratulated those winning the election.

Alderman Hopkins congratulated the Stubborn German group for raising the money to help pay for Lydia Boyer's cancer treatments, Josh and Kayla Boyer's 6-year old daughter.

Alderman Heller noted the article in Tourism Times on p. 2 congratulating the six members of the Monroe County Bicentennial Committee: Sue Spargo, Sarah Deutch, Mayor Tom Smith, Dennis Knobloch, Mike Kovarik and Shawn Kennedy, who traveled to Springfield, IL to receive awards for the Bicentennial programs. The Best Event or Festival Award went to the Monroe County Bicentennial Palooza held on August 6, 2016 on the Courthouse grounds. Mayor Smith thanked Sarah and Shawn for all their work.

14. **Motion to Adjourn**. Motion made by Alderman Notheisen and seconded by Alderman Frederick to adjourn. Motion passed by unanimous voice vote. Mayor Smith adjourned the meeting at 8:10 p.m.

**Barbara Pace,
CITY CLERK**

**CITY OF WATERLOO, ILLINOIS
COLLECTION REPORT**

	2015-2016 ACTUAL AMOUNT	2016-2017 BUDGETED AMOUNT	% INCREASE/ DECREASE	2016 MARCH	2017 MARCH	% INCREASE/ DECREASE	2015-2016 FISCAL YTD	2016-2017 FISCAL YTD	% INCREASE/ DECREASE
ELEC SALES	10,364,182.82	11,135,000.00	7.44%	846,373.91	891,343.53	5.31%	9,647,943.13	10,314,519.45	6.91%
ELEC TAX	259,994.67			21,920.65	21,638.90	-1.29%	241,805.82	252,779.35	4.54%
ELECT MISC.	253,048.00	231,800.00	-8.40%	18,383.00	23,731.00	29.09%	232,308.00	225,024.00	-3.14%
SUBTOTAL	10,877,225.49	11,366,800.00	4.50%	886,677.56	936,713.43	5.64%	10,122,056.95	10,792,322.80	6.62%
BEGINNING UNAPPLIED	412,175.44			50,260.50	34,634.99	-31.09%	371,524.48	425,759.62	14.60%
UNAPPLIED CASH REC'D	129,714.03			6,843.14	6,087.44	-11.04%	117,939.15	112,262.02	-4.81%
UNAPPLIED DISBURSED	106,731.97			16,452.68	14,439.20	-12.24%	93,435.11	125,107.77	33.90%
ENDING UNAPPLIED	435,157.50			40,650.96	26,283.23	-35.34%	396,028.52	412,913.87	4.26%
GAS SALES	2,381,742.77	2,263,000.00	-4.99%	428,421.99	400,335.55	-6.56%	2,046,950.45	1,968,345.82	-3.84%
GAS TAX	65,844.76			13,246.08	11,794.97	-10.96%	56,250.04	54,266.07	-3.53%
GAS MISC.	110,510.00	117,200.00	6.05%	10,780.00	11,010.00	2.13%	100,127.00	144,202.00	44.02%
SUBTOTAL	2,558,097.53	2,380,200.00	-6.95%	452,448.07	423,140.52	-6.48%	2,203,327.49	2,166,813.89	-1.66%
WATER SALES	2,106,615.02	2,212,000.00	5.00%	162,947.47	186,745.91	14.60%	1,951,559.04	2,004,937.07	2.74%
WATER MISC.	86,140.00	81,000.00	-5.97%	9,711.00	13,170.00	35.62%	75,866.00	76,575.00	0.93%
SUBTOTAL	2,192,755.02	2,293,000.00	4.57%	172,658.47	199,915.91	15.79%	2,027,425.04	2,081,512.07	2.67%
SEWER SALES	1,680,359.96	1,731,000.00	3.01%	133,881.79	142,804.59	6.66%	1,555,133.27	1,584,073.52	1.86%
SEWER MISC.	180,922.00	183,800.00	1.59%	20,445.00	40,317.00	97.20%	162,626.00	196,402.00	20.77%
SUBTOTAL	1,861,281.96	1,914,800.00	2.88%	154,326.79	183,121.59	18.66%	1,717,759.27	1,780,475.52	3.65%
CITY TAX	482,256.57	502,500.00	4.20%	50,246.75	49,730.04	-1.03%	440,548.14	449,102.33	1.94%
MISC.	35,163.00	31,700.00	-9.85%	5,490.00	1,781.00	-67.56%	32,502.00	23,016.00	-29.19%
SUBTOTAL	517,419.57	534,200.00	3.24%	55,736.75	51,511.04	-7.58%	473,050.14	472,118.33	-0.20%
REFUSE FEE	703,021.71	733,950.00	4.40%	60,658.00	63,195.90	4.18%	647,533.77	658,632.71	1.71%
VEHICLE STICKER	-	-		-	-		-	-	
FINES	48,411.00	50,000.00	3.28%	4,095.00	4,889.00	19.39%	42,537.00	44,371.00	4.31%
PERMITS	81,496.00	90,000.00	10.43%	8,271.00	27,456.00	231.96%	75,887.00	108,075.00	42.42%
INSPECTION FEES	18,300.00	20,000.00	9.29%	1,050.00	1,500.00	42.86%	17,100.00	16,500.00	-3.51%
FRANCHISE FEES	120,855.00	128,000.00	5.91%	-	-		120,855.00	129,254.00	6.95%
LIQUOR LICENSE	6,217.00	6,900.00	10.99%	20.00	70.00	250.00%	6,197.00	7,000.00	12.96%
INFRASTRUCTURE FEE	269,544.00	256,800.00	-4.73%	24,491.00	20,234.00	-17.38%	248,191.00	232,162.00	-6.46%
HOTEL/MOTEL TAX	26,688.00	22,000.00	-17.57%	-	1,778.00		12,627.00	20,310.00	60.85%
MISC.	76,788.00	148,020.00	92.76%	5,722.00	(6,471.00)	-213.09%	72,271.00	136,197.00	88.45%
REPLACEMENT TAX	61,711.00	56,600.00	-8.28%	3,377.00	6,061.00	79.48%	49,685.00	48,918.00	-1.54%
COUNTY TAX	399,268.00	350,000.00	-12.34%	-	-		399,268.00	348,623.00	-12.68%
SALES TAX	2,205,481.00	2,200,000.00	-0.25%	210,689.00	213,498.00	1.33%	2,033,826.00	2,045,906.00	0.59%
BUSINESS DISTRICT TAX	72,251.00	91,000.00	25.95%	8,171.00	8,638.00	5.72%	64,718.00	84,138.00	30.01%
VIDEO GAMING	59,800.00	80,000.00	33.78%	4,452.00	7,686.00	72.64%	54,199.00	75,050.00	38.47%
INCOME TAX	1,273,383.00	1,231,000.00	-3.33%	123,778.00	213,016.00	72.10%	1,150,852.00	1,155,863.00	0.44%
SUBTOTAL	5,423,214.71	5,464,270.00	0.76%	454,774.00	561,550.90	23.48%	4,995,746.77	5,111,019.71	2.31%
MOTOR FUEL TAX	263,777.00	263,500.00	-0.11%	21,554.00	21,095.00	-2.13%	245,240.00	243,881.00	-0.55%
MISC	930.00	2,600.00	179.57%	156.00	393.00	151.92%	767.00	2,714.00	253.85%
SUBTOTAL	264,707.00	266,100.00	0.53%	21,710.00	21,488.00	-1.02%	246,007.00	246,595.00	0.24%
UTILITY DEPOSITS	119,675.00	-		8,925.00	5,525.00	-38.10%	111,900.00	112,925.00	0.92%
TOTAL DEPOSITS	23,944,090.31	24,219,370.00	1.15%	2,214,099.78	2,389,053.83	7.90%	22,015,211.81	22,876,044.34	3.91%

April 17, 2017

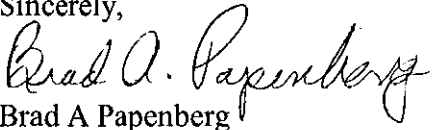
To: Mayor Tom Smith
City Attorney
City Aldermen

Re: Treasurer's Report

Attached, please find the March 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,



Brad A Papenberg
City Treasurer

**TREASURER'S REPORT
CITY OF WATERLOO**

For the month ending
March 31, 2017

<u>CHECKING ACCOUNT</u>	<u>BEGINNING BALANCE</u>	<u>RECEIPTS</u>	<u>DISBURSEMENTS</u>	<u>ENDING BALANCE</u>
Petty Cash	\$ 497.98	\$ -	\$ -	\$ 497.98
Utility Deposit	69,142.34	5,525.00	6,450.00	68,217.34
General Fund	338,848.81	216,330.17	462,187.74	92,991.24
Motor Fuel Tax	17,417.92	11.09	7,096.17	10,332.84
Water Fund	389,059.82	203,258.14	279,687.28	312,630.68
Sewer Fund	409,776.28	185,464.88	120,079.84	475,161.32
Gas Fund	420,682.34	597,675.80	273,044.71	745,313.43
Electric Fund	984,430.84	946,695.64	823,804.72	1,107,321.76
Capital Improvements	266,220.13	52,737.15	-	318,957.28
D.A.R.E.	50.08	-	-	50.08
Interest	4,244.25	2,481.30	-	6,725.55
Hotel/Motel Tax	112,591.05	1,778.33	400.00	113,969.38
TOTALS:	\$3,012,961.84	\$2,211,957.50	\$1,972,750.46	\$3,252,168.88

<u>INVESTED FUNDS</u>				
Capital Improvements	\$ 2,246,137.67	-	-	\$ 2,246,137.67
Electric	\$ 4,447,086.06	-	-	\$ 4,447,086.06
E-Pay Utility Bills	8,765.29	40,412.94	41,039.93	8,138.30
Farm Account Income	127,685.42	16.27	-	127,701.69
Gas	3,869,138.79	-	-	3,869,138.79
General Fund	6,623,571.76	468,831.00	-	7,092,402.76
Motor Fuel	623,182.94	21,476.28	-	644,659.22
Pension Reserve	1,110,681.35	251.05	-	1,110,932.40
Sewer	1,778,237.10	-	-	1,778,237.10
Utility Deposits	303,360.21	-	-	303,360.21
Water	1,841,342.91	-	-	1,841,342.91
Total Invested Funds:	\$22,979,189.50	\$530,987.54	\$41,039.93	\$23,469,137.11
Total All City Funds:	\$25,992,151.34	\$2,742,945.04	\$2,013,790.39	\$26,721,305.99

<u>Debt and Pension Obligations</u>	<u>Date Opened</u>	<u>Original Balance</u>	<u>Current Balance</u>	<u>Rate</u>	<u>Payment Dates</u>
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			<u>\$2,869,014.00</u>		
Total Liabilities		\$12,372,060.00	\$12,018,728.60		

Respectfully Submitted,

Brad A. Papenberg

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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Presentation of Commendation to Donovan McBride for his Achievements at the
2016 IHSA State Track Meet.

3. Relief or action to be requested:
Presentation of Commendation.

4. Submittal date: 03-16-17

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

CERTIFICATE OF COMMENDATION

The City of Waterloo is proud to present this special commendation to

Donovan McBride

for his dedication and persistence which resulted in a First Place finish in the 800-Meter Wheelchair Division at the 2016 IHSA State Track Meet, and being named a 2016 U.S. Paralympic All-American High School Athlete for his accomplishments in the 5000-meters.



Mayor Thomas G. Smith
and the Waterloo City Council

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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Presentation of Commendation to Jude's Dog Grooming on their 25th Year
Anniversary.

3. Relief or action to be requested:
Presentation of Commendation.

4. Submittal date: 03-29-17

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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Re-Appointment of Mr. Gary Schroeder to the Police Pension Board for a Two-
Year Term to Expire May 14, 2019.

3. Relief or action to be requested:
Approval.

4. Submittal date: 04-11-17

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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Reappointment of Mr. Chuck Pittman to the Board of Police Commissioners for a
Three-Year Term to Expire 05-01-20.

3. Relief or action to be requested:
Approval.

4. Submittal date: 04-12-17
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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Consideration and Action on Ordinance No. 1724 Adopting an Amended Annual
Budget for the City of Waterloo, Illinois for the Fiscal Year of May 1, 2016
Through April 30, 2017.

3. Relief or action to be requested:
Approval.

4. Submittal date: 04-04-17
Submitted by:
Shawn Kennedy, Collector / Budget Officer

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

ORDINANCE NO. 1724

AN ORDINANCE ADOPTING AN AMENDED ANNUAL BUDGET FOR THE CITY OF WATERLOO, ILLINOIS FOR THE FISCAL YEAR OF MAY 1, 2016 THROUGH APRIL 30, 2017.

WHEREAS, an Annual Budget was adopted by the City Council of the City of Waterloo, Illinois for the fiscal year of May 1, 2016 through April 30, 2017 on April 25, 2016 by Ordinance No. 1700; and,

WHEREAS, it is necessary to amend the Annual Budget for the fiscal year of May 1, 2016 through April 30, 2017; and

WHEREAS, the changes that are required at this time can more appropriately be stated by a restatement in the form of the Amended Annual Budget for the fiscal year May 1, 2016 through April 30, 2017 as attached hereto as Exhibit 1.

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

SECTION ONE. The Annual Budget for the City of Waterloo, Illinois for the fiscal year of May 1, 2016 through April 30, 2017 is hereby amended and restated in its entirety to read as set forth in Exhibit 1 attached hereto and entitled "City of Waterloo, Illinois Amended Budget 2016-2017", and the aforementioned Exhibit 1 is hereby adopted as the Amended Annual Budget of the City of Waterloo, Illinois for the fiscal year of May 1, 2016 through April 30, 2017.

SECTION TWO. Repeal. All ordinances or parts thereof in conflict with the provisions of this Ordinance are hereby repealed to the extent of such conflict.

SECTION THREE. Effective Date. This Ordinance shall take effect upon its passage and approval and shall be published in pamphlet form as provided by law.

PASSED this 17th day of April, 2017, pursuant to a roll call vote as follows:

YEAS: _____

NAYS: _____

ABSENT: _____

ABSTENTION: _____

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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Consideration and Action on Ordinance No. 1725 Adopting the Annual Budget for
the City of Waterloo, Illinois for the Fiscal Year of May 1, 2017 Through April 30,
2018.

3. Relief or action to be requested:
Approval.

4. Submittal date: 04-04-17

Submitted by:
Shawn Kennedy, Collector / Budget Officer

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

ORDINANCE NO. 1725

AN ORDINANCE ADOPTING THE ANNUAL BUDGET FOR THE CITY OF WATERLOO, ILLINOIS FOR THE FISCAL YEAR COMMENCING MAY 1, 2017 AND ENDING APRIL 30, 2018.

WHEREAS, the corporate authorities of the City of Waterloo, Illinois have made the tentative annual budget for the fiscal year of May 1, 2017 through April 30, 2018 conveniently available in pamphlet form for public inspection since March 17, 2017; and,

WHEREAS, notice of a public hearing on the aforementioned tentative annual budget was given by publication in a newspaper having a general circulation in the City of Waterloo, Illinois on March 22, 2017; and,

WHEREAS, the corporate authorities of the City of Waterloo, Illinois held a public hearing on the aforementioned tentative annual budget, pursuant to said notice, on April 3, 2017, prior to final action on said tentative annual budget.

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

SECTION ONE. That the document entitled City of Waterloo, Illinois Annual Budget 2017-2018 attached hereto as Exhibit 1, and by this reference made a part hereof, is hereby adopted as the annual budget for the City of Waterloo, Illinois for the fiscal year commencing May 1, 2017 and ending April 30, 2018.

SECTION TWO. The foregoing budget is adopted pursuant to Section 8-2-9.4 of the Illinois Municipal Code.

SECTION THREE. This Ordinance shall be in full force and effect from and after its passage and approval as provided by law.

PASSED this 17th day of April, 2017, pursuant to a roll call vote as follows:

YEAS: _____

NAYS: _____

ABSENT: _____

ABSTENTION: _____

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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Consideration and Action on Resolution No. 17-07 Approving a Mural Policy.

3. Relief or action to be requested:
Approval.

4. Submittal date: 04-12-17

Submitted by:
Alderman Darter, Chairman
Downtown Beautification Committee

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. 17-07

A RESOLUTION APPROVING A MURAL POLICY.

WHEREAS, Mural Art is widely considered one of the oldest methods of artistic expression; and,

WHEREAS, the significance of Mural Art is not based on age, but it's ability to bring art into public places; and,

WHEREAS, while a sign specifically advertises a business, product or service through graphics or text, a mural is solely artistic in nature; and,

WHEREAS, Mural Art should be incorporated architecturally into the façade of the building on which it is placed in order to complement and enhance the structure; and,

WHEREAS, the City of Waterloo, Illinois has an interest in the beautification of the downtown area and wishes to adopt guidelines intended to provide mural applicants with a reasonable process that will safeguard the interest of the community, as well as those of the individual property owner.

NOW THEREFORE BE IT RESOLVED BY THE COUNCIL OF THE CITY OF WATERLOO, ILLINOIS:

Section 1. The City of Waterloo, Illinois adopts the City of Waterloo Mural Guidelines Policy as attached hereto and incorporated herein.

Section 2. This Resolution shall become effective immediately upon its passage and recording with the City of Waterloo, Illinois Office of the City Clerk.

PASSED by the City Council and approved by the Mayor of the City of Waterloo, IL this 21st day of February, 2017.

AYES: _____

NAYES: _____

ABSENT: _____

ABSTAINED: _____

APPROVED by me this 17th day of
April, 2017.

THOMAS SMITH, Mayor
City of Waterloo, Illinois

ATTESTED, and filed in my office
this 17th day of April, 2017.

BARBARA PACE, City Clerk
City of Waterloo, Illinois



CITY OF WATERLOO MURAL GUIDELINES

Mural art is widely considered one of the oldest methods of artistic expression. Its significance not based on age, but its ability to bring art into public places. Murals should complement and enhance the building and be incorporated architecturally into the façade. While a sign is specifically advertising a business, product or service through graphics or text, a mural is solely artistic in nature.

Mechanically-produced or computer generated prints or images, including but not limited to digitally printed vinyl are prohibited. Murals shall not contain electrical or mechanical components; changing image murals; commercial signage. shall be created with paint and or tile only.

For regularity purposes, hand-painted signs are not considered murals.

The mural application process and guidelines are intended to provide mural applicants with a reasonable process that will safeguard the interest of the community, as well as those of the individual property owner.

LOCATION

1. The installation of the mural should complement and enhance the building and be incorporated architecturally into the façade.
2. The location of the mural on the building should not cover or detract from significant or character-defining architectural features.
3. Murals should not be located in an area which may cause undue distraction to drivers thereby creating a safety hazard.
4. Murals should be located in commercial areas.
5. To protect the integrity of historically significant structures, murals are not permitted on the primary façade of a historic building.

DESIGN

1. The scale of the mural should be appropriate to the building and the site.
2. The mural should be an original design; showcasing the uniqueness, sense of community, historical, patriotic, or highlights from Waterloo's past.
3. The artist's name(s) may be incorporated but should be discreet.
4. Paint utilized should be of superior quality and intended for exterior use only. Reflective, neon and fluorescent paints shall not be used.
5. The mural should have a waterproof seal coating.
6. Murals shall not contain electrical or mechanical components.



REVIEW

Submit the Mural Permit Application and required documents to the Zoning Administrator. Once the application is submitted an appointment with the Downtown Beatification Committee will be made for the initial review of imagery, location and medium.

All applications must include the following:

1. Complete Mural Permit Application
2. Brief description of the theme/image for this mural.
3. Photographs of the existing building and proposed mural area.
4. List of materials to be used.
5. Lead artist's qualifications and work sample.
6. Color scale rendering of the proposed mural design
7. Written permission including acknowledgment or responsibilities of the property owner.
8. Project timeline.

The committee's decision is based upon adopted review criteria for public art murals, readability and appropriateness of scale and materials; no signage or subject matter that could be construed as advertising or political messages.

If the mural proposal is not approved, the applicant may resubmit additional materials as requested. The applicant is not required to attend the meeting.

The following criteria shall be considered in the review of mural applications:

- (a) *Visual enhancement.* The proposed mural has attributes that enhance visual enjoyment.
- (b) *Artistic excellence.* The proposed mural exemplifies high artistic quality.
- (c) *Public safety.* The proposed mural does not create a public safety issue, such as a distraction to drivers.



ENFORCEMENT

1. Murals shall be completed within six (6) months of approval of the Downtown Beautification Committee. This period may be extended once by vote of the Downtown Beautification Committee.
2. At the committee's discretion, incomplete projects that extend beyond the six (6) month installation period shall be required to cover the incompleted work with a solid paint color.
3. Any mural without approval shall be considered grafitti and enforced accordingly.
4. When an offical interpretation is deemed necessary to determine whether or not a proposal constitutes a sign and is thereby subject to the City's sign standards, the Zoning Adminstrator or his designee shall be responsible for making such an interpretation.
5. The Zoning Administrator or his designee's decision may be appealed to the Zoning Board of Appeals.

MAINTENANCE

1. The maintenance of the mural will be responsibility of the property owner.
2. The mural must be properly maintained to ensure that material failure (peeling paint) is corrected and vandalism removed promptly in accordance with the Property Maintenance Ordinance.



MURAL PERMIT APPLICATION

Date: _____

Name of Applicant(s): _____

Name of Organization (of applicable): _____

Mailing Address: _____

Phone Number: _____ Email: _____

Funding Source: _____

Address of Proposed Mural: _____

Property Owner's Mailing Address: _____

Property Owner's Phone Number: _____

Which direction does the wall Face? North East South West

What are the dimensions of the wall? _____

The wall is: Brick Stucco Cinderblock Other _____

The following attachments are required:

- Brief description of the theme/image for this mural
- Photographs of the existing building and proposed mural area
- List of materials to be used
- Lead artist qualifications and work samples
- Color scale rendering of proposed mural design
- Maintenance plan (including parties responsible for maintenance)
- Written permission including acknowledgement of responsibilities from property owner
- Project timeline

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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Consideration and Action on Resolution No. 17-08 Approving the Signing of a
Lease Agreement Between the City of Waterloo, IL and William and Teresa
Hatley for Parking Lot Rental.

3. Relief or action to be requested:
Approval.

4. Submittal date: 04-13-17

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. 17-08

**A RESOLUTION APPROVING A LEASE AGREEMENT BETWEEN THE
CITY OF WATERLOO, ILLINOIS AND WILLIAM AND TERESA
HATLEY FOR PARKING LOT RENTAL.**

WHEREAS, the City of Waterloo, Illinois is in need of additional downtown parking; and,

WHEREAS, a parking lot has become available for lease by William and Teresa Hatley.

WHEREAS, it is in the best interest of the City of Waterloo, IL, to sign said Parking Lot Lease Agreement.

NOW, THEREFORE, BE IT RESOLVED, by the City Council and the Mayor that the City of Waterloo does hereby direct and authorize the Mayor to execute said Parking Lot Lease Agreement as attached.

PASSED by the City Council and approved by the Mayor of the City of Waterloo, Illinois this 17th day of April, 2017.

AYES: _____

NAYES: _____

ABSENT: _____

ABSTAINED: _____

APPROVED by me this 17th day of
April, 2017.

THOMAS SMITH, Mayor
City of Waterloo, Illinois

ATTESTED, and filed in my office
this 17th day of April, 2017.

BARBARA PACE, City Clerk
City of Waterloo, Illinois

**LEASE BY AND BETWEEN THE CITY OF WATERLOO,
ILLINOIS, A MUNICIPAL CORPORATION ("LESSEE") AND
WILLIAM AND TERESA HATLEY ("LESSORS")**

- LEASED** This lease made and entered into on the date of complete execution in 2017 by and between the Lessors, and the Lessee, WITNESSETH:
1. Lessors hereby leases to Lessee. Lessee hereby rents from Lessor, the premises (a parking lot) located northeast of the intersection of Mill and Market Streets, Waterloo, Illinois bearing P.I.N. 07-25-236-016-000.
- TERM** 2. This lease shall be for a term of one year commencing on May 1, 2017. All renewals shall be under the same terms and conditions as the original lease. This lease shall automatically renew for a one year term unless either party notifies the other party, in writing, sixty (60) days prior to termination, its intent to terminate the lease.
- RENTAL** 3. The rental to be paid by Lessee to Lessor for the term of this lease shall be in the amount of \$1,200.00 per year payable annually at the commencement of each term or the real estate tax on the leased property for the prior tax year, whichever is greater. The lease commences on May1, 2017.
- DEPOSIT** 4. Lessor acknowledges receipt of \$ 0.00 as a deposit from Lessee, to be held during the term of this lease, and any renewal thereof, as security for any possible structural damage, normal wear and tear excepted.
- MAINT. AND
REPAIR** 5. Lessee agrees to maintain the leased premises in good, neat and sanitary order, condition and repair, and not to alter the same without written prior consent of Lessor.

**DAMAGE TO
BUILDING**

6. If the leased premises or the means of ingress or egress to or from said premises shall be damaged by fire or the elements, and be rendered unsuitable for use as a parking lot the lease shall end. Lessor has no responsibility to repair the premises.

INSURANCE

7. Lessee shall provide the Lessor with a Certificate of Insurance naming the Lessor as Additional Insured.

LIENS

8. Neither Lessee or Lessor shall permit any lien or claim to be filed against the leased premises by reason of any work procured thereon by Lessee, utility charges, personal property taxes or other taxes or charges imposed on Lessee by governmental authority. Lessors shall be responsible for payment of real estate taxes.

UTILITIES

9. All utility bills incurred in the leased premises throughout the duration of this lease or any renewal thereof shall be duly and timely paid by Lessee.

SIGNS

10. Any sign or signs installed by Lessee shall require the prior consent of Lessor and shall be subject to the approval of any governmental authority having jurisdiction thereof and shall be removed by Lessee upon termination or cancellation of this lease, and Lessee shall repair all damages incidental to such removal.

ASSIGNMENT 11. Lessee may not assign this lease.

**DEFAULT
BY LESSEE**

12. In case Lessee shall be in default in the payment of annual rental installments provided for herein or in case Lessee shall fail or refuse to perform or comply with any of the covenants and agreements of Lessee

contained herein, and if such default shall continue for a period of fifteen days after Lessee is so notified in writing by letter through certified or registered mail addressed to Lessee then Lessor, its agents or attorneys shall have the right to reenter and take possession therefore of the premises and remove all persons therefrom and the goods and chattels of all said persons without any liability or law or equity for any damages caused by such removals, and all cost and expenses incurred by Lessor on account of same shall be paid by Lessee. Upon re-entry, Lessor may relet premises as agent of Lessee for the remainder of the term for the account of Lessee, and Lessee shall remain liable for the rental as agreed hereunder, less the proceeds of reletting, if any, and shall pay the same, plus the expense of re-entry by Lessor as previously provided. If Lessor shall acquire possession of the premises or any part thereof by summary proceedings, or by any other action or judicial proceeding, or in any lawful manner with judicial proceedings, it shall be deemed a re-entry within the meaning of that word as used in this lease.

**WAIVER OF
BREACH**

13. No waiver or default or breach of any term, covenant or condition herein shall be implied from any omission by either party to take action against the other on account thereof if such default or breach continues or is repeated, and no express waiver shall affect any default or breach other than that specified and then only for the time and to the extent specified.

LITIGATION

14. In the event any suit is brought by either party against the other to enforce any of the terms or provisions of this lease, then it is agreed that the successful party in such suit shall be entitled to reasonable attorney fees to be fixed by the court in such action. Jurisdiction for such litigation shall be in the Circuit Court of Monroe County, Illinois.

**RETURN OF
PREMISES**

15. At the end of the term or any renewal thereof or upon termination of this lease, Lessee shall surrender the premises in as good order and condition as when received, damage from the elements, fire, acts of God or othercasualty excepted.

16. Mailing addresses for notification are:

LESSEE
Mayor
City of Waterloo, Illinois
100 West Fourth Street
Waterloo, Illinois 62298

LESSORS
William Hatley & Teresa Hatley
PO Box 185
Waterloo, Illinois 62298

IN WITNESS WHEREOF The parties hereto have hereunto set their hands and seals on the date entered below.

CITY OF WATERLOO, IL.

MAYOR

WILLIAM HATLEY

DATE

DATE

TERESA HATLEY

DATE

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:
April 17, 2017
(Date)
- 2. Description of matter to be placed on agenda:
Consideration and Action on Approval of Façade Grant from Willie's West End Tavern
- 3. Relief or action to be requested:
Approval
- 4. Submittal date: 4/4/17

Submitted by:
Shawn Kennedy, Collector-Budget Officer

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

WATERLOO DOWNTOWN BEAUTIFICATION PROGRAM

APPLICATION INSTRUCTIONS AND REVIEW PROCESS

The building owner must complete the attached Waterloo Downtown Beautification Program Application.

Please include the following in your description:

1. A clear, detailed description including diagrams of what will be done, materials used, colors, etc.;
2. Official cost estimates from contractors, vendors or the owner;
3. Two photographs of the existing building showing current conditions;
4. Any other architectural or site plan drawings required to fully describe the project.

All applications will be reviewed first for completeness. The Downtown Beautification Committee will make a recommendation to approve or disapprove the application to the Waterloo City Council within sixty (60) days. Approval by the City Council shall authorize the applicant to apply for any permits and begin work. All improvements must be made in compliance with the Waterloo Municipal Code and must be completed within six (6) months of City Council approval, unless extended. Upon completion, City staff will perform a site visit and review the project. Invoices demonstrating approved costs may be submitted at that time and the reimbursement will be processed for payment. Should an applicant fail to gain approval, the applicant may request a written record of deficiencies and reapply for funding.

Following approval, funding and completion of the project, the building owner, not the City of Waterloo, is responsible for maintaining improvements. Maintenance includes, but is not limited to; painting, repair, etc.

Applicant Name: Amy E. Wetzler
Name

Applicant Address: _____
No. Street City State Zip Code

Name of Business: Willie's West End Tavern

Business Description: Bar and Grill 939-9995
Business Phone #

Business Address: 107 S. Moore St. Waterloo, IL 62298

Please check "Yes" or "No" for each question below:	Yes	No
Are you or your business delinquent on any fee obligations?		X
Are you or your business delinquent on any tax obligations?		X

Total project cost: \$ 17,200.⁰⁰

Funds requested: \$ 6,800.⁰⁰
(\$10,000.00 maximum reimbursement - see matching reimbursement rules)

Start date: _____

Completion date: _____

Project description: (attach additional pages if necessary)

I affirm that the information provided in this application is true and accurate and that I am the authorized owner and agent of the subject property. I affirm that the improvements detailed will be made and maintained at my expense and hold harmless the City of Waterloo from any liability or damage resulting from the improvements. I understand that this is a reimbursement program, and **I have received and read the attached document - Waterloo Downtown Beautification Program, under which matching funds may be provided.**

Amy E. Wetzler
Applicant signature

2-7-17
Date

CITY OF WATERLOO USE ONLY

APPROVED - BUILDING INSPECTOR

Authorized signature

Date

APPROVED - DOWNTOWN BEAUTIFICATION COMMITTEE

Authorized signature

Date

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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Consideration and Action on Special Event Permit Application from the Stubborn
German Brewery for the closure of Main Street, directly in front of their building,
to be closed from 11:00 a.m. to 12 Midnight on Saturday, April 22, 2017 to
Celebrate their One-Year Anniversary.

3. Relief or action to be requested:
Approval.

4. Submittal date: 04-12-17

Submitted by:
Tammy Rahn,
Stubborn German Brewery

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

Stubborn German Brewing Company

119 South Main Street

Waterloo, IL 62298

March 27, 2017

To whom it may concern:

Stubborn German Brewing Company is requesting a street closure in front of their building on Saturday, April 22nd for their One Year Anniversary Party. We would like it closed from 11:00 am to midnight if possible. We plan to have Schneider's Quality Meats selling food in front of the brewery during the day and have a band that we would like to play on the street (on a stage/trailer) from 7:00 pm – 10:00 pm. We plan to rent picnic tables from the Monroe County Fairgrounds and have them set up on the street. We will also get the trash cans from the Waterloo Optimist Club to set up.

The Waterloo Lions Club Car Show is the next day (Sunday) and everything will be cleaned up/back in order by then. We have spoke with the Lions Club and they asked us to leave the picnic tables on the Courthouse Grounds overnight so they will be ready for the car show (and then the Lions do not need to go and pick them up from the fairgrounds). We may leave the trash cans (empty) as well for the Lions (as of today, we haven't talked to them about that yet).

We would like the entire street blocked off from East – West in front of Stubborn German only. People could still turn down the alley and the street would be open in front of Randy's RR Bar and TWM/Stifel.

I can be reached at _____ with any questions. Thank you for your consideration.


Tammy Rahn

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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Consideration and Action on Solicitation Request from the Waterloo Lion's Club
for their Annual Diabetes Day Collection to be held on Friday and Saturday, May
5th and 6th, 2017 at the Intersections as listed on the attached.

3. Relief or action to be requested:
Approval.

4. Submittal date: 03-20-17

Submitted by:
Lion, Deb Greaney

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

March 20, 2017



To: Mayor Tom Smith and the Board of Aldermen

City of Waterloo, IL

From: Debra Greaney

Waterloo Lions Diabetes Chairperson

Re: Waterloo Lions Diabetes Days collection

This is a formal request for the Waterloo Lions' Club to solicit donations Diabetes funding, on Friday and Saturday, May 5th and 6th, 2017.

Requested locations and times:

1. Hamacher and Rogers Street – Friday 9am-2pm/5pm-7pm/Saturday 7-3pm
2. Mill and Main Street- Friday 7am-3pm/Saturday 7am-3pm ← Main/First

"The International Diabetes Federation estimates that 371 million people worldwide have diabetes, a global epidemic that is expected to affect 552 million by 2030."- Lions Club International

Thank you for your consideration,

Debra Greaney

Lion Deb Greaney

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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Consideration and Action on Special Event Permit Application from the Waterloo Chamber of Commerce for the Mayfest to be held on May 6, 2017.

3. Relief or action to be requested:
Approval.

4. Submittal date: 04-04-17

Submitted by:
Jenny Bullock, Executive Director
Waterloo Chamber of Commerce

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



SPECIAL EVENT PERMIT APPLICATION

Instructions to Applicant:

- The following information must be completed and submitted to the City Clerk's Office at the Waterloo City Hall.
- **Application Fee: None**
- Special Event Permit Applications **must be submitted thirty (30) days prior to the date of requested event** to allow for proper time to process with all city departments.
- All damages to property and equipment shall be billed to the applicant and shall be paid by said applicant upon receipt.

1. Event Name / Type: May Fest
Location of Event: MC Courthouse Square, Main + Mill Street
(around the square)
2. Beginning Date / Time: 9am, 5/6/17 Ending Date / Time: 4pm, 5/6/17
3. Organization Name: Waterloo Chamber of Commerce
Mailing Address: 118 E Third, Waterloo IL 62298
Street / City State Zip
Phone Number: 939-5300 Email Address: Chamber@htc.net
- Not For Profit Status: Yes No
501(c)6 ID # 37-1118006
4. Person in Charge of Event: Jennifer Bullock
Mailing Address: 118 E Third St Waterloo IL 62298
Street / City State Zip
Cell Phone Number: _____ Email Address: Chamber@htc.net
5. Secondary Contact Person: Leigh Mc Nicolas
Mailing Address: _____
Street / City State Zip
Cell Phone Number: _____ Email Address: Leighm@frbwaterloo.com

THE FOLLOWING INFORMATION MUST BE PROVIDED BEFORE APPLICATION WILL BE PROCESSED.

A. Narrative of Event.
 MUSIC, FOOD, arts/crafts, local retail/vendors festival

B. Sketch Plan of Site or Route of Walk/Run Attached Not Applicable

C. Will there be inflatable jumpers/bounce houses or amusement rides: Yes No
 • If yes, Proof of Liability Insurance is required. (See Clerk's Office for details.)

D. Proof of Liability Insurance must be provided and, if the event is held on City property, the City of Waterloo must be named as an additional insured with Comprehensive General Liability limits of not less than \$1,000,000 combined single limit, each occurrence / \$2,000,000 aggregate.
 Attached Not Applicable

E. Liquor License information for beer sales (hours of sale). n/a

G. Special Needs (i.e. Police, Fire, EMS, Street Dept., Electric)
 electric boxes (setup same as pumpkinfest) request police + ems to be available

Special Event Organizer(s) must also provide for the sanitary collection of all refuse, litter, and garbage generated by patrons attending the event, and removal of all such waste materials from the location of the event in a timely manner.

Signage
 As part of the approval of this Special Event Permit, temporary signs for said Special Event shall be permitted as provided for in the City Sign Ordinance.

I agree to abide by the rules and certify that I, on behalf of the applicant or organization, am also authorized to commit that organization, and therefore agree to be financially responsible for any cost and fees that may be incurred by or on behalf of the event to the City of Waterloo. I also understand that acceptance of application should in no way be construed as a final approval/confirmation of this request.

James Bullock 8/6/17
 Signature of person in charge of event Date of Submission

For office use only

"Special Events Permits" shall go before the City Council for approval.

Approved by City Council: Yes No Date _____

Police Department Fire Department EMS Dispatch
 DPW / Street Department (for street closings, signalization, and detour routes)



**Waterloo Chamber
of Commerce**

Building Community Supporting Business

Mayor Tom Smith
Waterloo City Hall
100 W. 4th Street
Waterloo, IL 62298

April 4, 2017

Dear Mayor Smith,

The Waterloo Chamber of Commerce is sponsoring the 4th annual May Fest on Saturday, May 6, 9 am – 4 pm at the Monroe County Courthouse Square. We will have the following events:

- Several vendors and local businesses will have booth spaces with retail items for sale, promotion of their business, games for kids, and food items.
- Helping Strays will host an adoption event.
- Local musicians will provide music at the bandstand throughout the day.

The vendor prices will again be \$25 for chamber members, \$35 for all others, for a 10'x10' space. We will be notifying the downtown businesses and restaurants of the event as well so that they can offer a special/discounts if they so choose.

Additionally the Violence Prevention Center will host a 5K that morning as well.

We are requesting to have Main Street closed between Mill and Third Street, as well as Mill Street closed between Market and Main for the event. Would you please add our request to the next City Council meeting and let us know if it is approved? At this point, we are planning to keep Third Street open. The Violence Prevention Center will contact you separately regarding their route request for the 5K.

We will also need to have the temporary electrical boxes installed along Main and Mill Street, as some of our vendors will need electric access. If an additional request form needs to be completed for this request, please let me know.

Finally, we are requesting permission to display banners/signs within the city limits 2 weeks prior to the event to promote the festival and draw families to the downtown area on the 9th.

Thank you for your consideration.

Sincerely,



Jenny Bullock

2017 Board of Directors

Executive Board:

President
George Obernagel
Obernagel Farms

1st Vice President
Carol Vogt
Carol Vogt Insurance

2nd Vice President
Leigh McNicholas
First National Bank

Secretary
Jessica Unger
Vervocity Interactive

Treasurer
Kermit Constantine
Republic Times

Directors:

Gordon Gregson
State Bank of Waterloo

Amy Hank
Keller Williams

Laura Miller
K&D Printing

Ryan Osterhage
Midland States Bank

Jenny Bullock
Executive Director

P.O. Box 1
118 E. Third St.
Waterloo Illinois 62298
Ph: (618) 939-5300
Fx: (618) 939-1805
Chamber@htc.net
www.enjoywaterloo.com

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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Consideration and Action on Special Event Permit Application from the Waterloo Chamber of Commerce for the 2017 Downtown Concert Series.

3. Relief or action to be requested:
Approval.

4. Submittal date: 04-06-17

Submitted by:
Jenny Bullock, Executive Director
Waterloo Chamber of Commerce

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



SPECIAL EVENT PERMIT APPLICATION

Instructions to Applicant:

- The following information must be completed and submitted to the City Clerk's Office at the Waterloo City Hall.
- **Application Fee: None**
- Special Event Permit Applications **must be submitted thirty (30) days prior to the date of requested event** to allow for proper time to process with all city departments.
- All damages to property and equipment shall be billed to the applicant and shall be paid by said applicant upon receipt.

1. Event Name / Type: Downtown Concert Series

Location of Event: MC Courthouse Bandstand

2. Beginning 8-11 pm May 6, 4-7 pm Aug 13
 Date / Time: 4-7 pm June 11, 3:30-7 pm Sep 18 Ending 4-7 pm July 9, 8-11 pm Oct 14 Date / Time: _____

3. Organization Name: Waterloo Chamber of Commerce

Mailing Address: 118 E Third St, Waterloo, IL
Street City State Zip

Phone Number: 939-5300 Email Address: Chamber@mc.net

Not For Profit Status: Yes No
501(c)(6) ID # 37-1118006

4. Person in Charge of Event: Jennifer Bullock

Mailing Address: 118 E Third St, Waterloo, IL
Street City State Zip

Cell Phone Number: _____ Email Address: Chamber@hfc.net

5. Secondary Contact Person: _____

Mailing Address: _____
Street City State Zip

Cell Phone Number: _____ Email Address: _____

THE FOLLOWING INFORMATION MUST BE PROVIDED BEFORE APPLICATION WILL BE PROCESSED.

A. Narrative of Event.

Concert + 4 food sources

B. Sketch Plan of Site or Route of Walk/Run Attached Not Applicable

C. Will there be inflatable jumpers/bounce houses or amusement rides: Yes No
 • If yes, Proof of Liability Insurance is required. (See Clerk's Office for details.)

D. Proof of Liability Insurance must be provided and, if the event is held on City property, the City of Waterloo must be named as an additional insured with Comprehensive General Liability limits of not less than \$1,000,000 combined single limit, each occurrence / \$2,000,000 aggregate.

Attached Not Applicable

E. Liquor License information for beer sales (hours of sale). n/a

G. Special Needs (i.e. Police, Fire, EMS, Street Dept., Electric)

electric on Mill Street, police + ems requested to be on site or available

Special Event Organizer(s) must also provide for the sanitary collection of all refuse, litter, and garbage generated by patrons attending the event, and removal of all such waste materials from the location of the event in a timely manner.

Signage
 As part of the approval of this Special Event Permit, temporary signs for said Special Event shall be permitted as provided for in the City Sign Ordinance.

I agree to abide by the rules and certify that I, on behalf of the applicant or organization, am also authorized to commit that organization, and therefore agree to be financially responsible for any cost and fees that may be incurred by or on behalf of the event to the City of Waterloo. I also understand that acceptance of application should in no way be construed as a final approval/confirmation of this request.

[Signature] 4/6/17
 Signature of person in charge of event Date of Submission

For office use only
 "Special Events Permits" shall go before the City Council for approval.

Approved by City Council: Yes No Date _____

Police Department Fire Department EMS Dispatch
 DPW / Street Department (for street closings, signalization, and detour routes)

The Waterloo Chamber of Commerce Presents:

2017 Downtown Concert Series



Six Concerts at the Monroe County Bandstand

May 6 – October 14, 2017 All Free & Family Friendly!

Saturday, May 6	Father Jack	8 – 11 pm
Sunday, June 11	Scrambled	4 – 7 pm
Sunday, July 9	The Trophy Mules	4 – 7 pm
Sunday, Aug. 13	Burnt Toast & the Jam	4 – 7 pm
Sunday, Sept. 10	OOPA & The Sofa Kings	3:30 – 7 pm
Saturday, Oct. 14	Riverside	8 – 11 pm

Bring your blankets and lawn chairs, grab a bite to eat at one of our local restaurants or at one of our vendors, sit back, and relax while listening to fabulous local music! No open bottles or outside beverages please.

These FREE concerts are made possible by our generous sponsors:

Edward Jones[®]
MAKING SENSE OF INVESTING

Midland 
States Bank_{ca}

Oak Hill

 **RED BUD**
REGIONAL HOSPITAL



THRIVENT
FINANCIAL[®]

WEIR
CHRYSLER DODGE
Jeep RAM
FORD
EMC

A&W
INSURANCE
618-939-6900

1st National Bank
www.fnbwaterloo.com

 **Garden Place**
SENIOR LIVING


Hentscher-
Johnson
Orthodontics

Savannah's
SOUTHERN CHARM
Savannah's Southern Charm

 **PHILOMENA RUTH**

TIMBER WOLF

 **STUBBINS GERMAN**
Brewing Company

STATE FARM
INSURANCE

Fans of the Music: Quality Collision State Bank of Waterloo Monroe County Commissioner Vicki Koerber
Farmers Insurance – Kvie Osterhage

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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Consideration and Action on Special Event Permit Application from the Violence
Prevention Center of Southwestern Illinois for Kristina's Race for Peace 5K Walk /
Run to be held on May 6, 2017 from 6:00 a.m. to 11:00 a.m. with the Awards in
the Bandstand on the Courthouse Lawn.

3. Relief or action to be requested:
Approval.

4. Submittal date: 04-06-17

Submitted by:
Kay Clements,
Violence Prevention Center of SW IL

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



SPECIAL EVENT PERMIT APPLICATION

Instructions to Applicant:

- The following information must be completed and submitted to the City Clerk's Office at the Waterloo City Hall.
- **Application Fee: None**
- Special Event Permit Applications **must be submitted thirty (30) days prior to the date of requested event** to allow for proper time to process with all city departments.
- All damages to property and equipment shall be billed to the applicant and shall be paid by said applicant upon receipt.

1. Event Name / Type: 5K walk/Run Kristina's Race For Peace
Location of Event: Court Yard / Bandstand
2. Beginning Date / Time: MAY 6, 2017 6 AM Ending Date / Time: 11 AM
3. Organization Name: VPC - Kari Clements
Mailing Address: _____
Phone Number: _____
Not For Profit Status: Yes No ID # _____
4. Person in Charge of Event: Kari Clements
Mailing Address _____
Cell Phone Number _____
5. Secondary Contact Person: _____
Mailing Address: _____
Street City State Zip
Cell Phone Number: _____ Email Address: _____

THE FOLLOWING INFORMATION MUST BE PROVIDED BEFORE APPLICATION WILL BE PROCESSED.

A. Narrative of Event.

5K Walk/Run
 Presentation Medal
 Attendance Prizes

B. Sketch Plan of Site or Route of Walk/Run Attached Not Applicable
 Mayor has this - questions call

C. Will there be inflatable jumpers/bounce houses or amusement rides: Yes No
 • If yes, Proof of Liability Insurance is required. (See Clerk's Office for details.)

D. Proof of Liability Insurance must be provided and, if the event is held on City property, the City of Waterloo must be named as an additional insured with Comprehensive General Liability limits of not less than \$1,000,000 combined single limit, each occurrence / \$2,000,000 aggregate.
 Attached Not Applicable

E. Liquor License information for beer sales (hours of sale). _____

G. Special Needs (i.e. Police, Fire, EMS, Street Dept., Electric) Police around
 Mayor has info Strs. block
 questions - call

Special Event Organizer(s) must also provide for the sanitary collection of all refuse, litter, and garbage generated by patrons attending the event, and removal of all such waste materials from the location of the event in a timely manner.

Signage
 As part of the approval of this Special Event Permit, temporary signs for said Special Event shall be permitted as provided for in the City Sign Ordinance.

I agree to abide by the rules and certify that I, on behalf of the applicant or organization, am also authorized to commit that organization, and therefore agree to be financially responsible for any cost and fees that may be incurred by or on behalf of the event to the City of Waterloo. I also understand that acceptance of application should in no way be construed as a final approval/confirmation of this request.

Kay A. Clements 4/6/17
 Signature of person in charge of event Date of Submission

For office use only

"Special Events Permits" shall go before the City Council for approval.

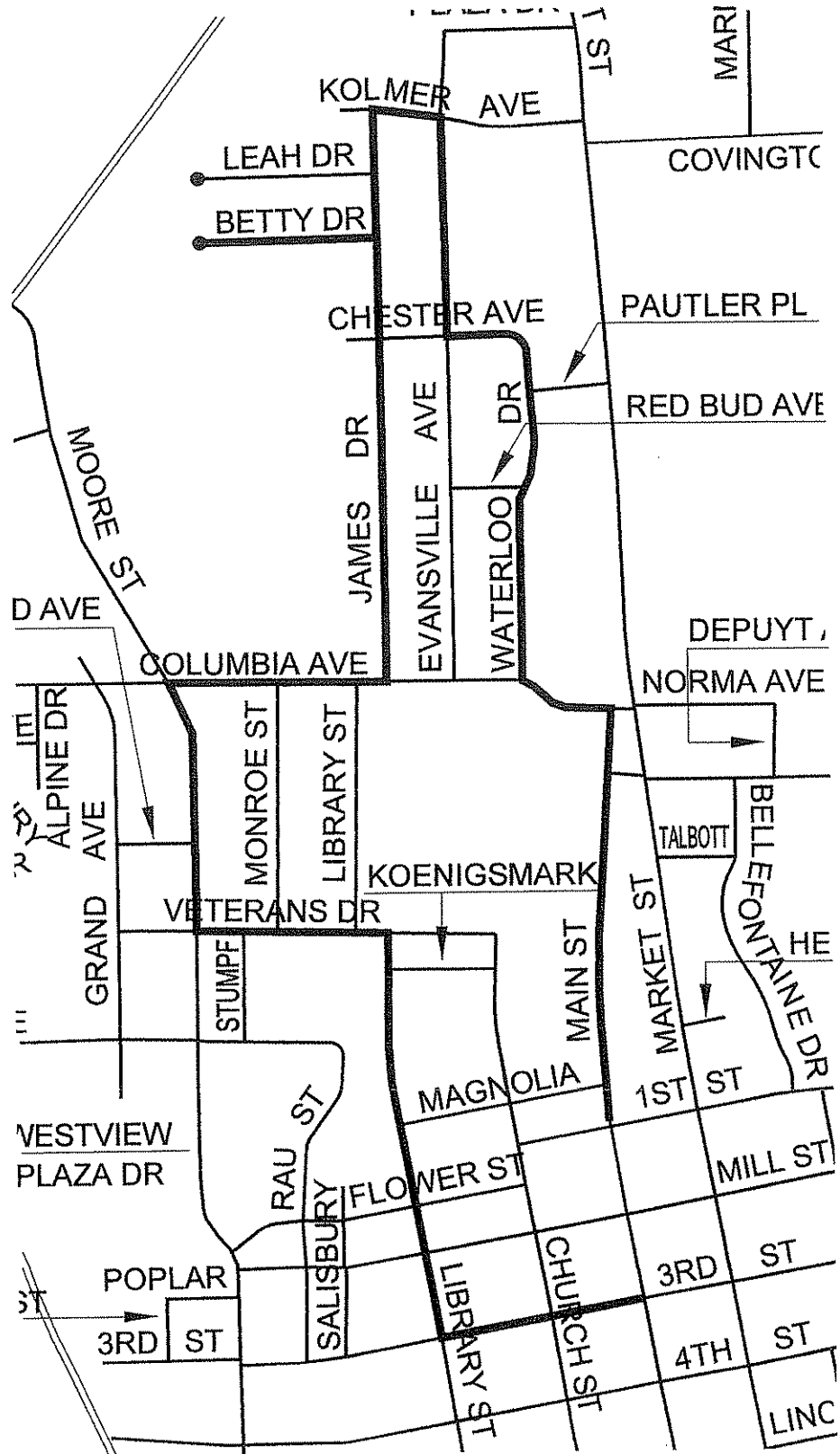
Approved by City Council: Yes No Date _____

Police Department Fire Department EMS Dispatch
 DPW / Street Department (for street closings, signalization, and detour routes)

KRISTINA'S RACE FOR PEACE

Directions

The race will start on Main and Third Street heading west, right on Library, left on Veterans Drive, right on Moore, right on Columbia, left on James, left on Betty Drive, do the circle and coming back to James and turn left, right on Kolmer, right on Evansville, left at Chester following Chester around to where it turns into Waterloo Drive, left on Columbia, right on Main Street, where race will end on Main Street in front of the UCC Church.



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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Consideration and Action on Approval of the Country Club Hills Phase II
Improvement Plans

3. Relief or action to be requested:
Approval.

4. Submittal date: 04-11-17

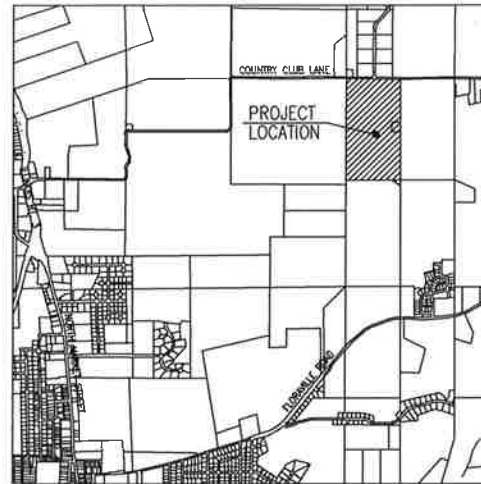
Submitted by:
Jim Nagel, Subdivision & Zoning Administrator

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



LOCATION MAP

UTILITIES

WATER:	CITY OF WATERLOO	618-939-8600
SANITARY SEWER:	CITY OF WATERLOO	618-939-8600
GAS & ELECTRIC:	CITY OF WATERLOO	618-939-8600
TELEPHONE:	HARRISONVILLE TELEPHONE COMPANY	618-939-6112
CABLE TV:	CHARTER CABLE	1-888-438-2427
J.U.L.I.E.:		1-800-892-0123

IMPROVEMENT PLANS FOR COUNTRY CLUB HILLS PHASE II CITY OF WATERLOO MONROE COUNTY, ILLINOIS

OWNER / DEVELOPER
SOUTHERN ILLINOIS
DEVELOPMENT L.L.C.
301 AGNES DRIVE
O'FALLON IL, 62269
618-624-2111

CIVIL ENGINEER
THOUVENOT WADE & MOERCHEN, INC
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
(618) 939-5050

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL CONSTRUCTION NOTES
- 3 EXISTING TOPOGRAPHY AND SITE PLAN
- 4 SITE PLAN
- 5 PLAN AND PROFILE - CASTLE GREEN DRIVE.
- 6 PLAN AND PROFILE - NOTTINGHAM AVE.
- 7 ROADWAY JOINT LOCATIONS
- 8-10 GRADING AND EROSION CONTROL PLAN
- 11 STORM SEWER PLAN
- 12 STORM SEWER PROFILES
- 13 DETENTION OUTLET PLAN AND PROFILE
- 14 INTERSECTION DETAILS
- 15 WATERMAIN PLAN
- 16 PAVEMENT DETAILS
- 17 SANITARY SEWER DETAILS
- 18 STORM SEWER DETAILS
- 19 STORMWATER DETENTION DETAILS
- 20 WATERMAIN DETAILS
- 21 EROSION CONTROL DETAILS

**THOUVENOT,
WADE &
MOERCHEN, INC.**
ENGINEERS ♦ SURVEYORS ♦ PLANNERS



CORPORATE OFFICE
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688

WATERLOO OFFICE
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938

EDWARDSVILLE OFFICE
600 COUNTRY CLUB VIEW, SUITE 1
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343

ST. LOUIS OFFICE
720 OLIVE ST., SUITE 200A
ST. LOUIS, MISSOURI 63101
TEL (314) 241-6300
FAX (314) 241-2391

ST. CHARLES OFFICE
400 N. 5TH STREET, SUITE 101
ST. CHARLES, MISSOURI 63301
TEL (636) 724-8300
FAX (636) 724-8304

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-033370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-009202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000229
MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

SEAL

Signature: _____
Expiration Date: _____
STATEMENT OF RESPONSIBILITY
I hereby confirm that the document herein to be authorized by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the architectural, engineering or survey project.

CIVIL SITE ENGINEERING NOTES

GENERAL NOTES:

PRIOR TO COMMENCEMENT OF ANY WORK, THE CONTRACTOR SHALL REVIEW ALL PLANS, SPECIFICATIONS, AND THE PROJECT SITE(S). THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER AND THE ENGINEER WHO PREPARED THE PLANS OF ANY DISCREPANCIES THAT MAY REQUIRE MODIFICATION TO THESE PLANS OR OF ANY FIELD CONFLICTS.

SHOULD IT APPEAR THAT THE WORK TO BE PERFORMED OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.

THESE PLANS AND SPECIFICATIONS ARE SUBJECT TO MODIFICATIONS DURING CONSTRUCTION WHEN CONDITIONS DEVELOP THAT WERE NOT APPARENT DURING THE DESIGN AND PREPARATION OF THE PLANS AND SPECIFICATIONS. ALL MODIFICATIONS MUST BE APPROVED BY ALL PERTINENT AGENCIES HAVING JURISDICTION OVER THIS PROJECT PRIOR TO CONSTRUCTION AND/OR IMPLEMENTATION OF ANY PROPOSED CHANGES.

IN THE EVENT OF ANY DISCREPANCY BETWEEN ANY DRAWING AND THE FIGURES WRITTEN THEREON, THE FIGURES SHALL BE TAKEN AS CORRECT.

THE CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR PROJECT SITE(S) CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOLD THE OWNER AND DESIGN PROFESSIONAL HARMLESS OF ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.

TWM, INC. SHALL NOT BE RESPONSIBLE FOR OR HAVE CONTROL OVER CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES IN CONNECTION WITH THE WORK.

ALL WORKMANSHIP, EQUIPMENT, MATERIALS, AND TESTING SHALL CONFORM TO THE PERTINENT MUNICIPAL, COUNTY, STATE, AND FEDERAL JURISDICTIONS AND AGENCIES HAVING AUTHORITY OVER THIS PROJECT. IN ADDITION, ALL WORKMANSHIP, EQUIPMENT, MATERIALS, AND TESTING SHALL CONFORM TO THE RESPECTIVE UTILITY COMPANY REQUIREMENTS. ALL EQUIPMENT, MATERIALS, AND PRODUCTS SHALL BE OF THE LATEST MANUFACTURE AND COMPLY WITH THE MOST UP TO DATE SPECIFICATIONS AT THE TIME OF BIDDING OF THE PROJECT.

CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING AND INSTALLING ANY AND ALL TRAFFIC BARRICADES, MARKERS, SIGNS, FLAGMEN, TRAFFIC POLICE, AND/OR OTHER FACILITIES AS MAY BE REQUIRED BY THE VARIOUS JURISDICTIONS HAVING AUTHORITY OVER THIS PROJECT TO PROTECT THE GENERAL PUBLIC. SIGNS AND PROTECTIVE DEVICES SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY OF NOTIFYING THE STATE AND LOCAL POLICE, EMERGENCY SERVICES AGENCIES, AMBULANCE SERVICES, AND FIRE DEPARTMENTS OF ANY PROPOSED TRAFFIC DIVERSION.

ALL UTILITIES INCLUDING BUT NOT LIMITED TO FIRE HYDRANTS, VALVE PIT COVERS, VALVE BOXES, CURB STOP BOXES, FIRE OR POLICE CALL BOXES, TRAFFIC CONTROL SIGNALS, OR OTHER UTILITY CONTROLS SHALL BE UNOBSTRUCTED AND ACCESSIBLE DURING THE CONSTRUCTION PERIOD.

WHERE SECTION OR SUBSECTION SURVEY MONUMENTS ARE ENCOUNTERED, THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AUTHORIZED SURVEYOR OR AGENT, HAVE WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

ALL ITEMS NOTED FOR REMOVAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE FROM THE SITE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM HIS CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.

UTILITY NOTES:

THE TYPE, SIZE AND LOCATION OF UTILITIES AS DELINEATED ON THE PLANS AND SPECIFICATIONS HAVE BEEN DETERMINED BY REVIEW OF AVAILABLE EXISTING "AS-BUILT," OR "RECORD" DRAWINGS, FIELD SURVEY OF J.U.L.I.E. MARKED UTILITIES, OR FIELD SURVEY OF ABOVE GROUND SURFACE UTILITY FEATURES. THE OWNER AND ENGINEER HAVE NOT UNDERTAKEN SURFACE OR SUB-SURFACE EXPLORATORY INVESTIGATIONS TO CONFIRM OR VERIFY THE LOCATION OF UTILITIES ON THE PROJECT SITE. THEREFORE ALL UTILITY LOCATIONS, SIZE, AND FUNCTION MUST BE CONSIDERED APPROXIMATE AND THE CONTRACTOR MUST VERIFY ALL UTILITIES IN THE FIELD.

THE ENGINEER AND OWNER FURTHER DO NOT WARRANT THAT ALL UTILITIES HAVE BEEN ILLUSTRATED ON THE PLANS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTACTING J.U.L.I.E. AND/OR THE PERTINENT UTILITY FOR FIELD VERIFICATION OF ALL UTILITIES ON THE SITE PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION OPERATIONS. IF THE CONTRACTOR DETERMINES THAT SUBSTANTIAL DISCREPANCY EXISTS BETWEEN FIELD VERIFIED UTILITIES AND THESE PLANS WHICH WOULD SIGNIFICANTLY AFFECT THE FUNCTION, COST, OR PERFORMANCE OF THE PROJECT, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER FOR CLARIFICATION AND PROJECT DESIGN COORDINATION.

ANY RELOCATION OF PUBLIC OR PRIVATE UTILITIES SHALL BE UNDERTAKEN IN ACCORDANCE WITH ALL REQUIREMENTS OF THE UTILITY COMPANY AND WITH REGARD TO THE REQUIRED FEES, BONDS, PERMITS, AGREEMENTS, WORKING CONDITIONS, ETC. OF SAID COMPANY OR JURISDICTION. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND JURISDICTIONS A MINIMUM OF FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF WORK TO ALLOW THE UTILITIES TO MARK THEIR LINES OR TO ALLOW THE PERTINENT JURISDICTIONS TIME TO COORDINATE THEIR STAFF, MATERIALS, AND EQUIPMENT TO CONDUCT INSPECTION.

THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING STRUCTURES, AND/OR UTILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY OR JURISDICTION TO PROPERLY REPAIR ANY FACILITIES DAMAGED IN THE COURSE OF THE WORK.

ALL ABANDONED UNDERGROUND STRUCTURES ENCOUNTERED SHALL BE REMOVED TO SUFFICIENT DEPTH TO ALLOW UNDERGROUND UTILITIES TO CROSS.

ALL PROPOSED ELECTRIC TRANSFORMERS AND STREETLIGHTS SHALL BE INSTALLED BY OTHERS.

UTILITIES AND APPURTENANCES TO REMAIN IN THEIR PRESENT LOCATION SHALL BE ADJUSTED TO GRADE. CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PROTECT EXISTING UTILITIES.

GENERAL SPECIFICATIONS:

ALL WORK, INSTALLATION, PROCEDURES, MATERIALS, AND TESTING ASSOCIATED WITH THIS PROJECT SHALL CONFORM TO THE FOLLOWING STANDARDS:

- STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, FIFTH EDITION
- ILLINOIS RECOMMENDED STANDARDS FOR SEWAGE WORKS, 1997 EDITION AS PUBLISHED BY THE ILLINOIS EPA.
- RECOMMENDED STANDARDS FOR WATER WORKS, 1997 EDITION
- STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS PUBLISHED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, ADOPTED APRIL 1, 2016; AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED APRIL 1, 2016.
- STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, 1987 EDITION, AS PUBLISHED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
- 77 ILLINOIS ADMINISTRATIVE CODE, PART 890, ILLINOIS PLUMBING CODE
- ILLINOIS URBAN MANUAL, 1995 EDITION AS PUBLISHED BY THE ILLINOIS EPA
- UNITED STATES AMERICANS WITH DISABILITIES ACT, AND THE ILLINOIS ADA
- ALL ORDINANCES, LAWS, REGULATIONS, AND STANDARDS OF ALL PERTINENT AUTHORITIES HAVING JURISDICTION OVER THE WORK ASSOCIATED WITH THIS PROJECT.

IF ANY INCONSISTENCIES, DISCREPANCIES, OR CONFLICTS ARE DISCOVERED BETWEEN THE VARIOUS STANDARDS, SPECIFICATIONS, OR LAWS BY GOVERNING AUTHORITIES, AND /OR THESE PLANS AND SPECIFICATIONS, THE MOST STRINGENT STANDARD, SPECIFICATION LAW AND/OR STANDARD SHALL BE BINDING AND APPLICABLE TO THIS PROJECT.

ONLY THOSE DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE USED FOR DETERMINATION OF LOCATION AND SIZES OF PROPOSED IMPROVEMENTS. DO NOT SCALE DRAWINGS. IF ANY DISCREPANCIES ARE DISCOVERED ON THE PLANS OR BETWEEN THE PLANS AND THE SPECIFICATIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND OBTAIN CLARIFICATION OF THE INTENT FROM THE ENGINEER PRIOR TO CONSTRUCTION OR INSTALLATION OF PROPOSED IMPROVEMENTS.

ALL WORK, MATERIALS, AND INSTALLATION SHALL NOT BE DEEMED SATISFACTORY UNTIL SUCH TIME AS ALL APPROVALS ARE OBTAINED FROM THE MUNICIPALITY OR ENTITY HAVING JURISDICTION OVER THE PROJECT.

THE CONTRACTOR SHALL PROCEED AT HIS OWN RISK IN PERFORMING ANY WORK PRIOR TO VERIFYING OR RECEIVING ALL NECESSARY PERMITS FOR THE WORK TO BE DONE.

TITLE INFORMATION:

IT IS NOT WARRANTED THAT THESE PLANS CONTAIN COMPLETE INFORMATION REGARDING EASEMENTS, RESERVATIONS, RESTRICTIONS, RIGHTS-OF-WAY, BUILDING LINE SETBACKS, AND OTHER ENCUMBRANCES. FOR COMPLETE INFORMATION, A TITLE OPINION OR COMMITMENT FOR TITLE INSURANCE SHOULD BE OBTAINED AND THOROUGHLY REVIEWED TO ASSESS THE IMPACT OF RESTRICTIONS AND ENCUMBRANCES ASSOCIATED WITH THE SITE.

COVER

**COUNTRY CLUB HILLS PHASE II
CITY OF WATERLOO
MONROE COUNTY
ILLINOIS**

REV.	DATE	DESCRIPTION

DRAWN BY:	CDK	SHEET
DESIGNED BY:	CDK	1
CHECKED BY:	CDB	OF 21 SHEETS
APPROVED BY:	CDB	COVER
PROJECT NUMBER:	D01160158	

ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR. RECORD DRAWING

PRELIMINARY - NOT FOR CONSTRUCTION

SANITARY SEWER SPECIFICATIONS:

MATERIALS:

SANITARY SEWER PIPE SHALL BE POLY-VINYL CHLORIDE (PVC) CONFORMING TO ASTM D3034, TYPE PSM FOR SIZES 4" TO 12". THE STANDARD DIMENSION RATIO (SDR) SHALL BE 35. IF THE PIPE IS TO BE BURIED AT A DEPTH OF FIFTEEN (15) FEET OR GREATER, THE PIPE SHALL HAVE A STANDARD DIMENSION RATIO (SDR) OF 26. THE PIPE SHALL BE MADE OF PVC PLASTIC HAVING A MINIMUM CELL CLASSIFICATION OF 12454-C, AND SHALL HAVE A MINIMUM PIPE STIFFNESS OF FORTY-SIX (46) POUNDS PER INCH PER INCH OF PIPE DIAMETER. JOINTS SHALL BE IN CONFORMANCE WITH ASTM D3212. GASKETS SHALL BE IN CONFORMANCE WITH ASTM F477.

MANHOLES SHALL BE FOUR (4) FOOT IN DIAMETER, FITTED WITH POLY-PROPYLENE STEPS AND SHALL BE PRE-CAST CONCRETE CONFORMING TO ASTM C478. MANHOLES SHALL BE CONSTRUCTED WITH A SILICA FUME ADMIXTURE TO PREVENT HYDROGEN SULFIDE CORROSION. PIPE CONNECTIONS BETWEEN MANHOLES SHALL BE FLEXIBLE WATERTIGHT CONNECTIONS CONFORMING TO ASTM C-923.

MANHOLE CASTINGS SHALL CONFORM TO THE REQUIREMENTS OF GRAY IRON CASTINGS ASTM A48. THE MANHOLE LIDS SHALL HAVE CONCEALED HALF PICK HOLES AND HAVE THE WORD "SANITARY" CAST IN THE FACE OF THE LID.

BEDDING MATERIAL SHALL BE CA-6 AGGREGATE IN ACCORDANCE WITH IDOT SPECIFICATIONS. BEDDING MATERIAL FOR SANITARY SEWER PIPE SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

TRENCH BACKFILL SHALL BE COMPACTED CA-6 AGGREGATE AS SPECIFIED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION

TESTING:

AIR TESTING: IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

MANDREL TESTING: IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.

VACUUM TESTING: IN CONFORMANCE WITH ASTM C-12447-93 STANDARD TEST METHOD FOR CONCRETE SEWER MANHOLES BY THE NEGATIVE AIR PRESSURE (VACUUM) TEST

EXECUTION:

SIX (6) INCH WYE FITTINGS WITH SIX (6) INCH LATERALS SHALL BE CONSTRUCTED FROM THE SANITARY SEWER MAIN TO THE BUILDING LINE OR FIVE (5) FEET FROM THE BUILDING AS DETAIL ON THE PLANS. EACH LATERAL SHALL EXTEND AT A 45° ANGLE TO THE SANITARY SEWER MAIN AND EXTEND UPWARD TO APPROXIMATELY ONE (1) FOOT FROM THE SANITARY SEWER MAIN FLOW LINE TO LATERAL FLOW LINE. LATERALS SHALL BE SLOPED AT ONE (1) PER CENT AND TERMINATED AS SHOWN ON THE PLANS.

SANITARY SEWER MANHOLES LOCATED ADJACENT TO DRAINAGE WAYS SHALL BE PROVIDED WITH SOLID BOLT DOWN LIDS HAVING A GASKET TO PRODUCE A WATERTIGHT FRAME AND LID.

MANHOLE FRAME AND LIDS MAY BE ADJUSTED WITH PRE-CAST CONCRETE ADJUSTING RINGS FOR ADJUSTMENTS UP TO A TWELVE (12) INCH DIMENSION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL ADJUSTMENTS UP TO AND INCLUDING TWELVE (12) INCHES. ADJUSTMENTS OVER TWELVE (12) INCHES SHALL BE CONSIDERED EXTRA WORK.

ALL SANITARY SEWERS THAT COLLECT DEBRIS, SILT, MUD, CONCRETE, BUILDING SUPPLIES, OR OTHER DELETERIOUS MATERIALS SHALL BE JET CLEANED AND THE CLEANING SHALL BE THE SOLE COST AND RESPONSIBILITY OF THE CONTRACTOR.

RECORD DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER AND OWNER INDICATING THE INSTALLED TOP AND INVERT ELEVATION OF EACH MANHOLE; ALL PIPE SIZE AND INVERT ELEVATIONS ENTERING THE MANHOLE; STATIONING OF WYES OR TEES FROM THE NEAREST DOWNSTREAM MANHOLE; LENGTH AND SIZE OF LATERAL PIPING; AND APPROXIMATE DEPTH FROM FINISHED GROUND ELEVATION TO THE LATERAL PIPE INVERT. IN THE CASE OF A VERTICAL RISER ON THE SANITARY SEWER, THE ELEVATION SHALL BE TO THE ELBOW AT THE END OF THE 12" LATERAL RUN.

STORM SEWER SPECIFICATIONS:

MATERIALS:

STORM SEWERS/CULVERT PIPE (UNDER PAVED AREAS OR SIMILAR STRUCTURAL AREAS)

REINFORCED CONCRETE STORM SEWER PIPE

STORM SEWER PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASHTO M 170M (M170) CLASSES I TO V, TABLES I TO V, EXCEPT THAT THE USE OF ELLIPTICAL REINFORCEMENT IN CIRCULAR PIPE WILL NOT BE PERMITTED AND THE AGGREGATE SHALL CONFORM TO ARTICLES 1003.02 AND 1004.02 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION WITH THE EXCEPTION OF GRADATION. THE REINFORCED CONCRETE STORM SEWER PIPE SHALL BE FITTED WITH GASKETED JOINTS. THE REINFORCED CONCRETE PIPE SHALL HAVE AN IDOT INSPECTION STAMP.

PRE-CAST REINFORCED CONCRETE FLARED END SECTIONS

PRE-CAST REINFORCED CONCRETE FLARED END SECTIONS SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF ASHTO M 170M (M170) CLASS II, WALL B REINFORCED CONCRETE PIPE. END BLOCKS SHALL BE EITHER PRE-CAST OR CAST IN PLACE, AND SHALL BE IN PROPER POSITION AND BACKFILLED ACCORDING TO THE APPLICABLE PARAGRAPHS OF ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION PRIOR TO INSTALLATION OF THE PRE-CAST REINFORCED CONCRETE FLARED END SECTIONS

STORM SEWERS/CULVERT PIPE (EXTERIOR TO PAVEMENT OR STRUCTURAL AREAS)

PRE-COATED GALVANIZED CORRUGATED STEEL, CULVERT PIPE AND PRE-COATED GALVANIZED CORRUGATED STEEL PIPE ARCH

THE PRE-COATED STEEL SHEETS USED TO FABRICATE THESE ITEMS SHALL CONFORM TO ASHTO M 245M (M 245), GRADE 10.3. THE PRE-COATED CULVERT PIPE AND PIPE ARCH SHALL CONFORM TO THE REQUIREMENTS OF ASHTO M 245M (M245), EXCEPT THAT THE SHEET THICKNESS FOR THE RESPECTIVE DIAMETERS OF PIPE AND PIPE ARCH SHALL BE AS SPECIFIED IN TABLES 1B AND 1A OF ARTICLE 542.03 OF THE STANDARD SPECIFICATIONS. THE SAVED ENDS OF HELICALLY CORRUGATED PIPE SHALL BE COATED WITH A ZINC METALIZING PROCESS, ALUMINUM ASPHALT PAINT OR OTHER METHODS APPROVED BY THE ENGINEER.

HDPPE

HIGH DENSITY POLYETHYLENE PIPE (HDPPE) MEETING ASHTO M294-94.

METAL END SECTIONS

METAL END SECTIONS SHALL BE FABRICATED OF STEEL, AND ALL COMPONENT PARTS SHALL BE OF THE SAME MATERIAL. THE BASE METAL, RIVETS, AND SPLICER COATING SHALL CONFORM TO ASHTO A36. TOP PLATES SHALL BE FURNISHED AND THE METAL THICKNESS SHALL BE THE SAME AS THAT USED IN THE FLARED END SECTION.

STORM SEWER INLETS, CATCH BASINS, AND JUNCTION BOXES

PRE-CAST REINFORCED CONCRETE SECTIONS

PRE-CAST REINFORCED CONCRETE INLETS, CATCH BASINS, AND JUNCTION BOXES SHALL CONFORM TO ASTM C478. PRE-CAST REINFORCED CONCRETE SECTIONS SHALL BE CONSTRUCTED IN HORIZONTAL COURSES. THE UNITS SHALL BE Laid IN MORTAR, SEALED WITH EXTERNAL SEALING BANDS, OR SEALED USING MASTIC JOINT SEALER. WHEN MASTIC JOINT SEALER IS USED, THE MATERIAL SHALL COMPLETELY FILL THE JOINT AFTER THE UNITS HAVE BEEN BROUGHT TOGETHER. ALL PRE-CAST UNITS SHALL BE INSTALLED ON A FOUR- (4) INCH THICK SAND CUSHION OF FA1 OR FA2 CONFORMING TO ARTICLE 1003.01 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

CASTINGS

NEW CASTINGS, INCLUDING FRAMES, GRATES AND LIDS SHALL CONFORM TO ARTICLE 604.03 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

EXECUTION:

ALL PRE-CAST INLETS, JUNCTION BOXES, AREA INLETS, DETENTION STRUCTURES, ETC., SHALL HAVE INVERTS THAT PRESENT A SMOOTH SURFACE FOR FLOW. CONTRACTOR SHALL ENSURE THAT THE DOWNSTREAM PIPE DOES NOT EXTEND INTO THE STRUCTURE CREATING AN OFFSET ON WHICH DEBRIS CAN COLLECT. STRUCTURES SHALL BE FILLETED AND GROUDED AS REQUIRED.

ALL CULVERT/STORM SEWER PIPES SHALL BE PROVIDED WITH APPURTENANT END SECTIONS IF OUTFALLING ONTO A PAVED SWALE, GRASS SWALE, OR RIP-RAP EROSION CONTROL SECTION.

CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT NO STORM WATER OR GROUND WATER SHALL ENTER SANITARY SYSTEM OF THE MUNICIPALITY DUE TO CONTRACTOR ACTIVITIES. THE MUNICIPALITY MAY IMPOSE A FINE PER EACH DAY OF EACH INFRACTION IN ACCORDANCE WITH THEIR DEVELOPMENT CODE.

WATER SYSTEM SPECIFICATIONS:

MATERIALS:

PVC (POLYVINYL CHLORIDE) PIPE WATER MAINS

WATER MAINS SHALL BE CONSTRUCTED OF POLY-VINYL (P.V.C.) PIPE CONFORMING TO NSF STANDARD 14 AND AWWA C-900. THE PIPE SHALL CONFORM TO ASTM D2241 AND SHALL BE CONSTRUCTED OF PIPE MATERIALS DESIGNATED AS CLASS 12454B (PVC 1120). THE PIPE SHALL HAVE A STANDARD DIMENSION RATIO (SDR) OF 18. SCHEDULE RATINGS SHALL BE IN ACCORDANCE WITH ASTM B 1785 (PVC).

JOINTS

ELASTOMERIC SEALS (GASKETS) USED FOR PUSH-ON JOINTS SHALL COMPLY WITH ASTM STANDARD F477, AND SHALL BE PRESSURE RATED IN ACCORDANCE WITH ASTM D3139.

FITTINGS

FITTINGS SHALL BE DUCTILE IRON, MECHANICAL JOINT, AND CEMENT MORTAR LINED. FITTINGS SHALL BE IN CONFORMANCE WITH AWWA C153/A21.53-84, "AMERICAN NATIONAL STANDARD FOR DUCTILE-IRON COMPACT FITTINGS, 3 IN. THROUGH 12 IN., FOR WATER AND OTHER LIQUIDS." CEMENT MORTAR LINING SHALL BE IN CONFORMANCE WITH AWWA/C104/A21.4. THE FITTINGS SHALL BE TAR-COATED IN CONFORMANCE WITH AWWA C151. DUCTILE IRON PIPE FITTINGS SHALL BE UTILIZED AT ALL BENDS IN THE WATER MAIN.

WATER MAIN SERVICE PIPE (COPPER)

COPPER PIPE SHALL BE COPPER WATER TUBE, TYPE K, OR GREATER, SOFT TEMPER, FOR UNDERGROUND SERVICE, CONFORMING TO ASTM B-88 AND B 251. THE OUTSIDE DIAMETER OF THE PIPE SHALL CONFORM TO ASTM B 251 TABLE 2.

RESILIENT SEAT GATE VALVES

RESILIENT SEAT GATE VALVES SHALL IN DESIGN, SHELL WALL THICKNESS, MATERIAL AND WORKMANSHIP, CONFORM TO THE LATEST AWWA C509 STANDARD FOR RESILIENT SEAT GATE VALVES.

FIRE HYDRANTS

ALL FIRE HYDRANTS FOR THIS PROJECT SHALL BE MUELLER SUPER CENTURION 250 MODEL A-423 FIRE HYDRANTS WITH APPURTENANT SIX (6) INCH RESILIENT SEAT GATE VALVES IN ACCORDANCE WITH THE CITY OF WATERLOO REQUIREMENTS.

HYDRANTS WITH SIX INCH INLET CONNECTIONS SHALL BE FURNISHED WITH TWO (2) - 2-1/2" INCH HOSE NOZZLES, AND ONE (1) - 4-1/2" INCH PUMPER NOZZLE.

PIPE BEDDING

THERMOPLASTIC PIPE BEDDING MATERIAL SHALL BE CLASS I MATERIAL (ANGULAR 1/4-1/2" INCH GRADED STONE) IN CONFORMANCE WITH ASTM D2321-87.

TRACER WIRE

TRACER WIRE SHALL BE #12 SOLID COPPER PE46 BLUE TRACER WIRE (POLYETHYLENE COATED) BE CONNECTED TO ALL VALVES AND HYDRANTS.

TESTING:

PRESSURE TEST IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS

LEAKAGE TEST IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS

DISINFECTION TESTING - ANY OF THE METHODS STATED IN AWWA STANDARD C651-92 ARE ACCEPTED AS A MEANS OF DISINFECTION OF WATER MAINS.

EXECUTION:

HORIZONTAL SEPARATION - WATER MAINS AND SEWERS

WATER MAINS SHALL BE LOCATED AT LEAST TEN (10) FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER, COMBINED SEWER OR SEWER SERVICE CONNECTION.

WATER MAINS MAY BE LOCATED CLOSER THAN TEN (10) FEET TO A SEWER LINE WHEN:
* THE WATER MAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER.

* THE WATER MAIN IS AT LEAST EIGHTEEN (18) INCHES ABOVE THE CROWN OF THE SEWER; AND
* THE WATER MAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER.

WHEN IT IS IMPOSSIBLE TO MEET (A) OR (B) ABOVE, BOTH THE WATER MAIN AND DRAIN OR SEWER SHALL BE CONSTRUCTED OF SUMP-ON MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, PRE-STRESSED CONCRETE PIPE, OR PVC PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION.

VERTICAL SEPARATION - WATER MAINS AND SEWERS

A WATER MAIN SHALL BE SEPARATED FROM A SEWER SO THAT ITS INVERT IS A MINIMUM OF EIGHTEEN (18) INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATER MAINS CROSS STORM SEWERS, SANITARY SEWERS, OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN (10) FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSED. A LENGTH OF WATER MAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINS EQUIDISTANT FROM THE SEWER OR DRAIN.

BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF SUMP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON, PRE-STRESSED CONCRETE PIPE, OR PVC PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION WHEN:
* IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN (A) ABOVE; OR
* THE WATER MAIN PASSES UNDER A SEWER OR DRAIN.

A VERTICAL SEPARATION OF EIGHTEEN (18) INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND CROWN OF THE WATER MAIN SHALL BE MAINTAINED WHERE A WATER MAIN CROSSES UNDER A SEWER.

SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATER MAIN, AS APPROVED BY THE ENGINEER.

CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE PERPENDICULAR DISTANCE FROM THE WATER MAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN (10) FEET.

EARTHWORK AND EROSION CONTROL SPECIFICATIONS:

MATERIALS AND EXECUTION:

GENERAL:

PLEASE REFER TO THE GEO-TECHNICAL REPORT REFERENCED FOR A COMPLETE LISTING OF SITE CONSTRAINTS AND RECOMMENDATIONS.

ALL EXISTING VEGETATION AND TOPSOIL SHALL BE REMOVED FROM PLANNED CONSTRUCTION AREAS PRIOR TO PLACEMENT OF FILL. TOPSOIL THICKNESS VARIES OVER THE SITE AND WILL REQUIRE REMOVAL IN FILL AREAS.

ALL TOPSOIL REMOVED PRIOR TO BULK EARTH GRADING SHALL BE SPREAD EVENLY OVER THE RESIDENTIAL LOTS TO MEET THE FINAL GRADE PRIOR TO CONCLUDING EARTHWORK OPERATIONS.

IF THE CONTRACTOR ELECTS TO BURN CLEARED OR GRUBBED VEGETATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE PERTINENT PERMITS FROM THE LOCAL MUNICIPALITY, COUNTY, AND ILLINOIS EPA, AS WELL AS NOTIFYING THE APPROPRIATE FIRE PROTECTION DISTRICT.

SOFT SOILS SHOULD BE EXCAVATED PRIOR TO PLACING FILL. IF REMOVAL OF SOFT SOILS IS NOT PRACTICAL DUE TO EXCESSIVE DEPTH, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER TO DISCUSS METHODS OF STABILIZATION.

DEWATERING OF AREAS TO BE EXCAVATED OR FILLED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ALL TRENCH EXCAVATION FOR ALL UTILITIES WITHIN TWO (2) FEET OF ANY PAVEMENT SURFACE SHALL BE BACKFILLED WITH 100% CA-6 AGGREGATE BACKFILL COMPACTED TO 95% COMPACTION.

FIELD TILE ENCOUNTERED SHALL BE REPLACED AND/OR CONNECTED TO THE STORM SEWER SYSTEM.

FILL AREAS IN PAVEMENT AND BUILDING AREAS SHALL BE PLACED TO 95% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698). NATIVE SUB GRADE IN FILL AREAS AND DETENTION BASIN FILL AREAS SHALL BE PLACED TO 92% OF THE MATERIAL'S STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698).

COMPACTION TESTS ARE TO BE TAKEN IN STREETS AND BUILDABLE AREAS ON LOTS. COMPACTION TESTS ARE REQUIRED FOR EACH FILL LIFT. NO LIFT TO EXCEED 12" IN DEPTH. MAXIMUM FILL TESTS SHALL NOT EXCEED 3:1. EROSION CONTROL MEASURES SHOULD BE CONSIDERED ALONG THE FACE OF EACH SLOPE. EROSION CONTROL MEASURES TYPICALLY EMPLOYED WOULD INCLUDE SILT FENCES, DITCH CHECKS AND TIMELY SEEDING OR SODDING.

ALL GRADING IN STREETS SHALL BE TO WITHIN ± 1 INCH OF SUB GRADE. ALL OTHER GRADES SHALL BE TO WITHIN ± 3 INCHES OF THOSE SHOWN ON THE GRADING PLAN. PERMETER SILT FENCE SHALL BE INSTALLED PRIOR TO INITIAL LAND DISTURBANCE ACTIVITIES OR AS SOON AS PRACTICAL. CONTRACTOR SHALL MAINTAIN A THREE FOOT BUFFER STRIP OF EXISTING VEGETATION BETWEEN ANY DISTURBED AREA AND THE SILT FENCE AROUND THE PERIMETER OF THE SITE TO REDUCE OFF-SITE EROSION AND SEDIMENTATION.

CONTRACTOR SHALL USE STAGED CLEARING AND GRADING WHERE PRACTICAL TO REDUCE THE AMOUNT OF DISTURBED AREA TO THE ABSOLUTE MINIMUM NEEDED FOR IMMEDIATE CONSTRUCTION ACTIVITIES.

CONTRACTOR SHALL INSTALL ANY SPECIFIED SEDIMENT TRAPS AND BASINS BEFORE CONSTRUCTION ACTIVITIES BEGIN.

IF SPECIFIED, THE CONTRACTOR SHALL USE DIVERSIONS, PERIMETER DIKES AND WATERWAYS TO INTERCEPT OFF-SITE RUNOFF AND DIVERT IT AWAY FROM THE CONSTRUCTION SITE. THESE MEASURES ARE TO BE INSTALLED BEFORE CLEARING AND GRADING OPERATIONS BEGIN.

EXCEPT AS PREVENTED BY INCLEMENT WEATHER CONDITIONS, STABILIZING MEASURES, SUCH AS TEMPORARY SEEDING OR PERMANENT VEGETATION, SODDING, MULCHING, SEDIMENT BASINS, EROSION CONTROL BLANKETS, OR OTHER SPECIFIED PROTECTIVE PRACTICES SHALL BE INSTALLED ON ALL DISTURBED AREAS LEFT INACTIVE FOR SEVEN DAYS.

IF SHOWN ON THESE PLANS, ENERGY-DISSIPATION DEVICES OR EROSION CONTROL AT THE OUTFALL OF THE STORM SEWER SYSTEM SHALL BE INSTALLED AT THE TIME OF THE CONSTRUCTION OF THE OUTFALL.

ALL ON-SITE STORM DRAIN INLETS SHALL BE PROTECTED AGAINST SEDIMENTATION AS SHOWN ON THESE PLANS AT TIME OF CONSTRUCTION

CONTRACTOR SHALL NOTIFY THE ENGINEER/PROJECT MANAGER OF THE INDIVIDUAL WHO IS RESPONSIBLE FOR THE ROUTINE DAILY INSPECTION/MAINTENANCE CHECKS OF ALL EROSION AND SEDIMENT CONTROL MEASURES. THE CONTRACTOR ON A DAILY BASIS SHALL CHECK ALL EROSION AND SEDIMENT CONTROL MEASURES DURING THE PERIOD OF CONSTRUCTION ACTIVITY, AND AFTER EACH STORM EVENT.

REPAIRS OR CLEANING OF EACH EROSION CONTROL DEVICE SHALL BE A REQUIRED IN ORDER TO MAINTAIN THE EFFECTIVENESS OF THE CONTROL DEVICE. ALL EROSION CONTROL DEVICES SHALL BE CLEANED WHEN ONE-HALF OF THEIR EFFECTIVE AREA IS COVERED.

ALL EROSION CONTROL AND SEDIMENTATION CONTROL MEASURES DETAILED ON THE IMPROVEMENT PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL AND MAINTAIN. THE MAINTENANCE OF THESE EROSION CONTROL AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSIDERED INCIDENTAL TO THE DEVICES THEMSELVES. MAINTENANCE SHALL CONTINUE TO BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE OWNER TAKES OWNERSHIP OF THE IMPROVEMENTS.

CONTRACTOR TO PROVIDE TEMPORARY SEEDING OVER ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES UNLESS OTHERWISE INDICATED ON THE PLANS. TEMPORARY SEEDING SHALL BE IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ACCORDANCE WITH SEEDING MIXTURE CLASS 1, AND MULCH METHOD 2, PROCEDURE 2.

AT THE COMPLETION OF CONSTRUCTION AND THE AREA STABILIZED, THE CONTRACTOR SHALL REMOVE EROSION CONTROL MEASURES NO LONGER NEEDED IN A MANNER THAT MINIMIZES SITE DISTURBANCE, AND SEED IMMEDIATELY OR COORDINATE THE TRANSFER OF MAINTENANCE RESPONSIBILITIES, AS REQUIRED WITH THE OWNER.

ROADWAY SUB-GRADE

SUB-GRADE CONSISTS OF THE SHAPING AND FINAL COMPACTION OF THE EARTH FOR THE CONSTRUCTION OF SUB-BASE, BASE, AND SURFACE COURSES. SUB-GRADE SHALL CONFORM TO SECTION 301 - SUB-GRADE PREPARATION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE ENTIRE SUB-GRADE SHALL BE COMPACTED TO NOT LESS THAN 95% OF THE STANDARD LABORATORY DENSITY. THE STANDARD LABORATORY DENSITY SHALL BE THE MAXIMUM DENSITY DETERMINED IN ACCORDANCE WITH ASHTO T 99 (METHOD A OR C). A COARSE PARTICLE CORRECTION IN ACCORDANCE WITH ASHTO T 224 SHALL BE USED WITH METHOD A AND MAY BE USED WITH METHOD C.

ALL HOLES, RITS, SOFT PLACES AND OTHER DEFECTS SHALL BE CORRECTED. IN NO CASE SHALL THE GRANULAR SUB-BASE BE PLACED ON SOFT OR UNSTABLE MATERIAL, OR OVER AREAS THAT ARE NOT DRAINED IN A MANNER SATISFACTORY TO THE ENGINEER. IF THE SUB-GRADE IS DUSTY OR MUDDY, OPERATIONS SHALL BE DELAYED UNTIL IT IS IN A CONDITION SATISFACTORY TO THE ENGINEER.

LIME MODIFICATION FOR ROADWAY

THIS WORK CONSISTS OF THE CONSTRUCTION OF A LIME STABILIZED SOIL MIXTURE COMPOSED OF "REACTIVE" SOIL, LIME AND WATER THAT WILL BE CONSIDERED SUB-BASE. THE LIME STABILIZED SOIL SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 310 - LIME STABILIZED SOIL MIXTURE OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THE THICKNESS OF THE LIME-MODIFIED SOILS SHALL BE 6 INCHES. LIME MODIFICATION FOR SUB-GRADE SHALL EXTEND A MINIMUM OF TWELVE (12) INCHES BEHIND THE CURB.

COMPACTION OF THE MIXTURE SHALL BEGIN AS SOON AS IS PRACTICAL AFTER MIXING. IN NO CASE SHALL COMPACTION BE STARTED LATER THAN 3 DAYS AFTER MIXING UNLESS APPROVED BY THE ENGINEER. IF COMPACTION IS TO BE DELAYED, THE SURFACE OF THE LIME-MODIFIED SOIL SHALL BE CROWN-GRADED AND SEALED BY EITHER BLADE BRUSHING OR LIGHT ROLLING IMMEDIATELY AFTER MIXING.

COMPACTION SHALL BE CONTINUED UNTIL THE LIME MODIFIED SOIL LAYER HAS A DENSITY OF NOT LESS THAN 95% OF THE STANDARD DRY DENSITY. THE STANDARD DRY DENSITY OF THE LIME TREATED SOIL SHALL BE DETERMINED FROM ASHTO T 99 (METHOD C). ASHTO T 191 OR ASHTO T 238 AND T 239 WILL DETERMINE THE FIELD IN-PLACE DRY DENSITY.

COMPACTION SHALL BE CONTINUED UNTIL THE LIME MODIFIED SOIL LAYER HAS A DENSITY OF NOT LESS THAN 95% OF THE STANDARD DRY DENSITY. THE STANDARD DRY DENSITY OF THE LIME TREATED SOIL SHALL BE DETERMINED FROM ASHTO T 99 (METHOD C). ASHTO T 191 OR ASHTO T 238 AND T 239 WILL DETERMINE THE FIELD IN-PLACE DRY DENSITY.

CONTRACTOR SHALL ENSURE THAT SUB-GRADE ELEVATION IS SUCH THAT WHEN IT IS AT "SUB-GRADE" FOR STREETS THAT THE LIME MODIFIED SUB-GRADE IS SIX (6) INCHES THICK. LIME MODIFICATION OF SIX (6) INCHES THAT REQUIRES ADDITIONAL TRIMMING OR CUTTING IS UNACCEPTABLE.

ROADWAY COMPACTION

EACH LAYER OF THE EMBANKMENT MATERIAL SHALL BE DISKED SUFFICIENTLY TO BREAK DOWN OVERSIZE CLODS, MIX THE DIFFERENT MATERIALS, SECURE A UNIFORM MOISTURE CONTENT AND ENSURE UNIFORM DENSITY AND COMPACTION.

IF THE EMBANKMENT IS LESS THAN 1-1/2 FEET, ALL LIFTS SHALL BE COMPACTED TO NOT LESS THAN 95% OF THE STANDARD LABORATORY DENSITY. IF THE EMBANKMENT HEIGHT IS BETWEEN 1-1/2 AND 3 FEET, INCLUSIVE, THE FIRST LIFT SHALL BE COMPACTED TO NOT LESS THAN 90 PERCENT, AND THE BALANCE TO A MINIMUM OF 95% OF THE STANDARD LABORATORY DENSITY. IF THE EMBANKMENT EXCEEDS 3 FEET IN HEIGHT, THE LOWER 1/3 OF THE EMBANKMENT, BUT NOT TO EXCEED THE LOWER 2 FEET, SHALL BE COMPACTED IN A MANNER THAT WILL YIELD A MINIMUM OF 90% OF STANDARD LABORATORY DENSITY TO THE UPPERMOST LIFT OF THAT PORTION OF THE EMBANKMENT. THE NEXT 1 FOOT OF EMBANKMENT SHALL BE COMPACTED TO NOT LESS THAN 93% AND THE BALANCE OF THE EMBANKMENT COMPACTED TO NOT LESS THAN 95% OF THE STANDARD LABORATORY DENSITY.

THE TOP TWO FEET OF ALL EMBANKMENTS SHALL NOT CONTAIN MORE THAN 120 PERCENT OF THE OPTIMUM MOISTURE DETERMINED IN ACCORDANCE WITH ASHTO T 99 (METHOD C).

THE STANDARD LABORATORY DENSITY SHALL BE THE MAXIMUM DENSITY AS DETERMINED ACCORDING TO ASHTO T 99 (METHOD A OR C). A COARSE PARTICLE CORRECTION ACCORDING TO ASHTO T 224 SHALL BE USED WITH METHOD A AND MAY BE USED WITH METHOD C.

EMBANKMENT PLACED ADJACENT TO A STRUCTURE SHALL NOT CONTAIN MORE THAN 110 PERCENT OF THE OPTIMUM MOISTURE DETERMINED ACCORDING TO ASHTO T99 (METHOD C).

TESTING:

AN ILLINOIS LICENSED GEO-TECHNICAL ENGINEER AS EMPLOYED BY THE OWNER SHALL PERFORM COMPACTION TESTING OF THE SUB-GRADE. THE CONTRACTOR MAY HAVE A REPRESENTATIVE AVAILABLE TO ATTEND THE TESTING. (IF APPLICABLE)

PAVEMENT SPECIFICATIONS:

MATERIALS:

PORTLAND CEMENT CONCRETE PAVEMENT

THIS WORK SHALL CONSIST OF CONSTRUCTING PORTLAND CEMENT CONCRETE PAVEMENT TO THE THICKNESS SHOWN ON THESE PLANS. THE PORTLAND CEMENT CONCRETE PAVEMENT SHALL CONFORM TO SECTION 420 - PORTLAND CEMENT CONCRETE PAVEMENT OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

Aggregate Base Course

The base course shall consist of furnishing and placing one or more courses of aggregate on a prepared sub-grade or sub-base in conformance with Section 351 - Aggregate Base Course of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction.

The base course shall be CA-6 aggregate Type A or Type B in conformance with Article/Section 1004.04 - Coarse Aggregate for Aggregate Surface Course, Granular Embankment Special Aggregate and Stabilized Aggregate Base, Sub-base and Shoulder Courses of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction. The aggregate base course shall be compacted to a final thickness as specified in the pavement section detail.

FLEXIBLE PAVEMENT

Bituminous Concrete Binder and Surface Course Class I

Bituminous Concrete Binder Bituminous concrete binder shall be Class I, Binder Mature A, in conformance with SECTION 406 of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction. The bituminous concrete binder shall be constructed to a final compacted thickness AS SPECIFIED on the pavement section plans.

Bituminous Surface Course

Bituminous surface course shall be Class I, Type I, Surface Mature C, in conformance with the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction. The bituminous surface course shall be constructed to a final compacted thickness as specified on the pavement section plans

CURB AND GUTTER

Concrete curb, concrete gutter, combination concrete curb and gutter, and paved ditch shall be constructed in accordance with Section 806 - Concrete Gutter, Curb, Median and Paved Ditch of the IDOT Standard Specifications for Road and Bridge Construction.

Portland cement concrete shall conform to Class SI concrete as specified in Article 1020 - Portland Cement Concrete of the IDOT Standard Specifications for Road and Bridge Construction. The concrete shall conform to the following requirements:

Class of Concrete	Cement Factor (wt./cu.y.)	Slump (inches)	Mix Design Compressive Strength (psi)	Mix Design Flexural Strength (psi)	Air Content %
SI	5.65 (1)	2-4	Minimum 3500 At 14 days	Minimum 650 At 14 days	5-8
	5.65 (2)				

- (1) Stationary Mixed
- (2) Truck mixed or shiruk mixed

SIDEWALK

Concrete sidewalks and handicapped ramps shall be constructed in accordance with Section 424 - Portland Cement Concrete Sidewalk of the IDOT Standard Specifications for Road and Bridge Construction.

Portland cement concrete shall conform to Class SI concrete as specified in Article 1020 - Portland Cement Concrete of the IDOT Standard Specifications for Road and Bridge Construction. The concrete shall conform to the following requirements:

Class of Concrete	Cement Factor (wt./cu.y.)	Slump (inches)	Mix Design Compressive Strength (psi)	Mix Design Flexural Strength (psi)	Air Content %
SI	5.65 (1)	2-4	Minimum 3500 At 14 days	Minimum 650 At 14 days	5-8
	5.65 (2)				

- (1) Stationary Mixed
- (2) Truck mixed or shiruk mixed

Sidewalk shall be four (4) inches thick except in driveway areas or entrance areas where the thickness of the sidewalk shall be increased to six (6) inches and number six reinforcing mesh shall be utilized. Sidewalk shall be constructed to a minimum width of four



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TEL (636) 724-8300
FAX (636) 724-8304

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL ENGINEERING CORP.	62-036370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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**EXISTING TOPOGRAPHY
AND SITE PLAN**

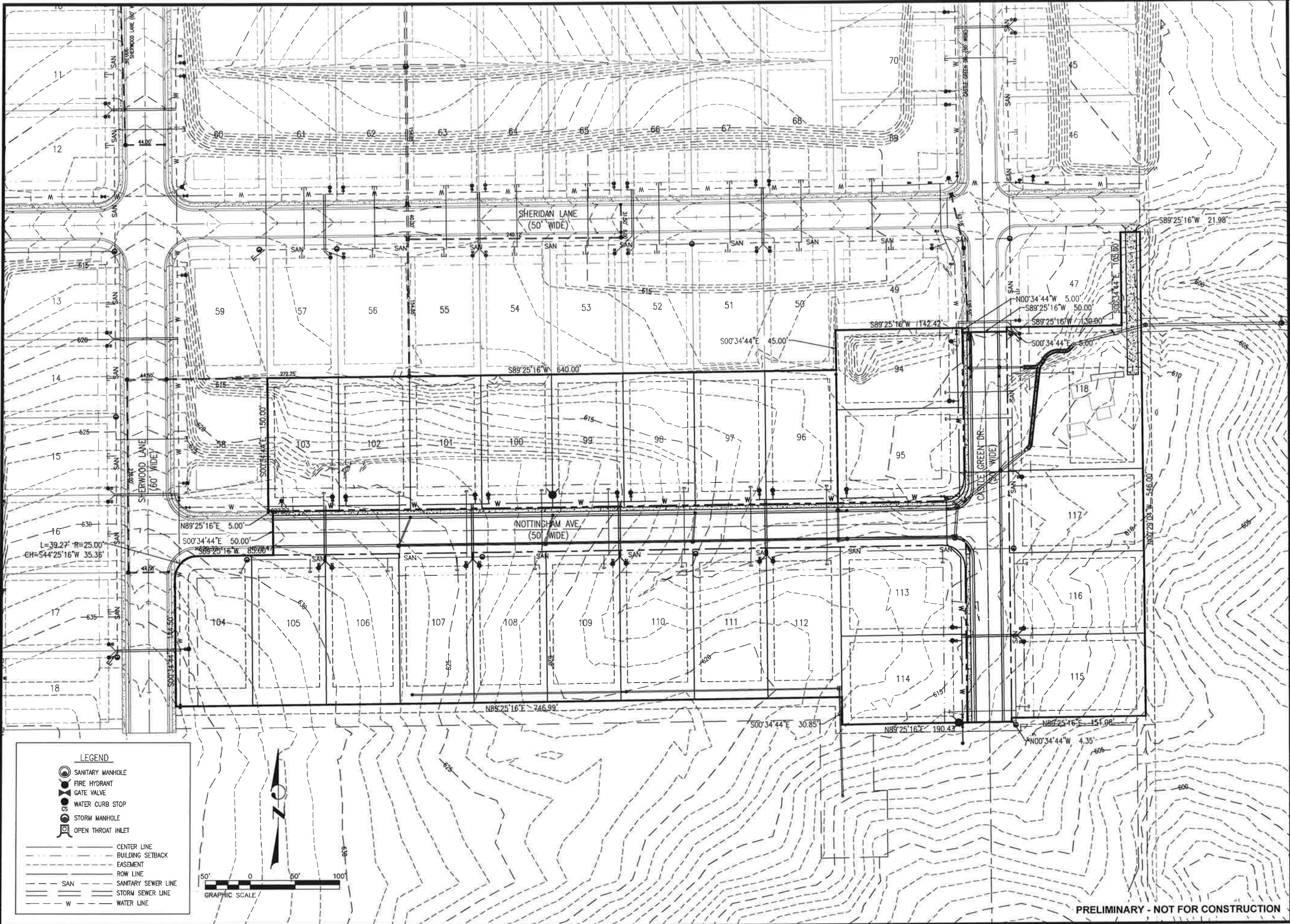
PROJECT: **COUNTRY CLUB HILLS - PHASE II
CITY OF WATERLOO
MONROE COUNTY
ILLINOIS**

TITLE

REV	DATE	DESCRIPTION

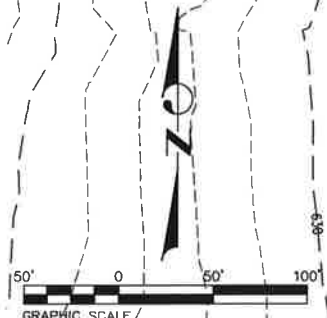
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- RECORD DRAWING



LEGEND

- SANITARY MANHOLE
- FIRE HYDRANT
- GATE VALVE
- WATER CURB STOP
- STORM MANHOLE
- OPEN THROAT INLET
- CENTER LINE
- BUILDING SETBACK
- EASEMENT
- ROW LINE
- SANITARY SEWER LINE
- STORM SEWER LINE
- WATER LINE



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PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-036370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-065202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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SITE PLAN

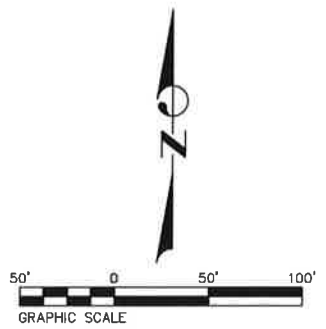
COUNTRY CLUB HILLS PHASE II
CITY OF WATERLOO
MONROE COUNTY
ILLINOIS

TITLE: _____
 PROJECT: _____

REV	DATE	DESCRIPTION
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DRAWN BY:	CDK	SHEET	
DESIGNED BY:	CDK	4	OF 21 SHEETS
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PROJECT NUMBER	D01160158		

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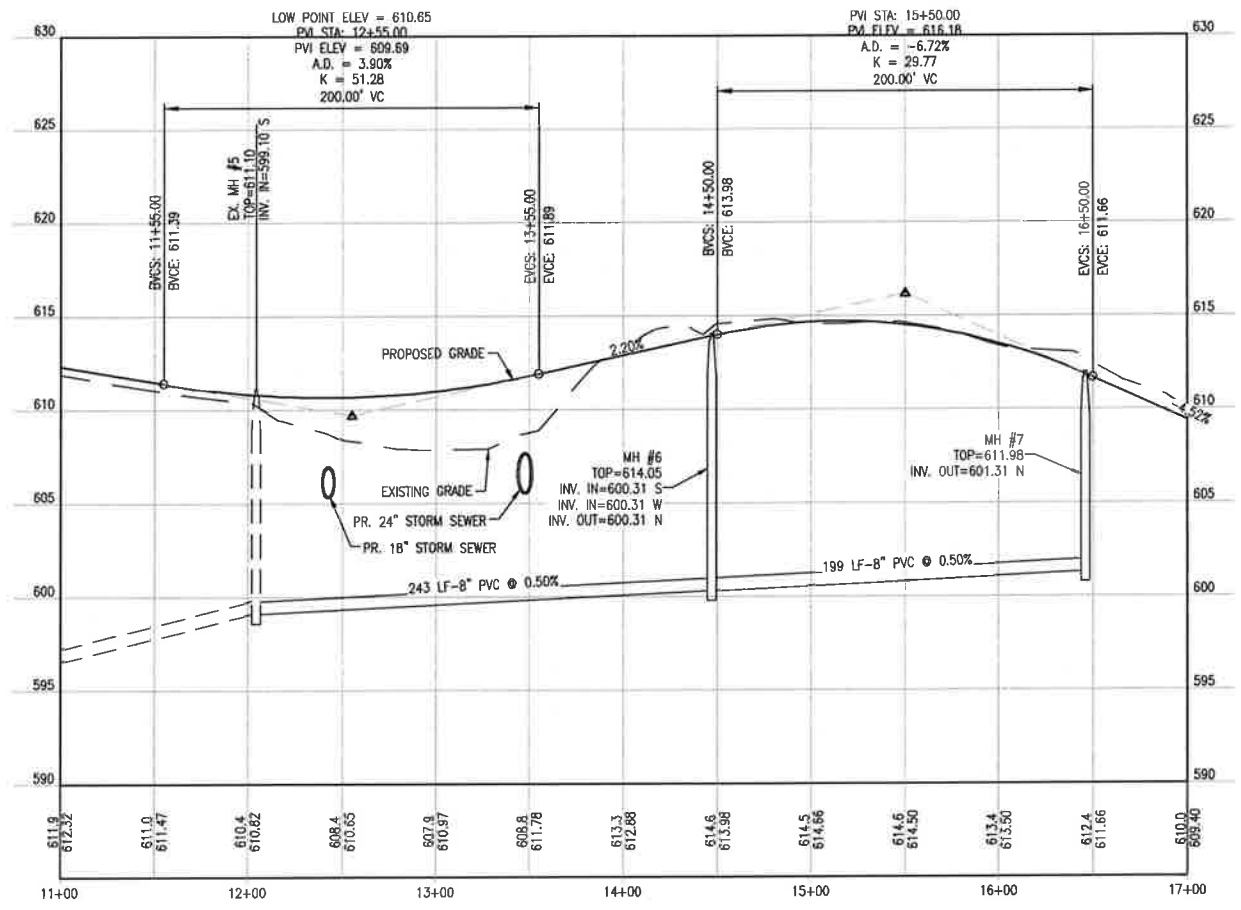
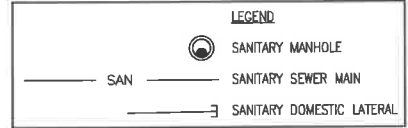
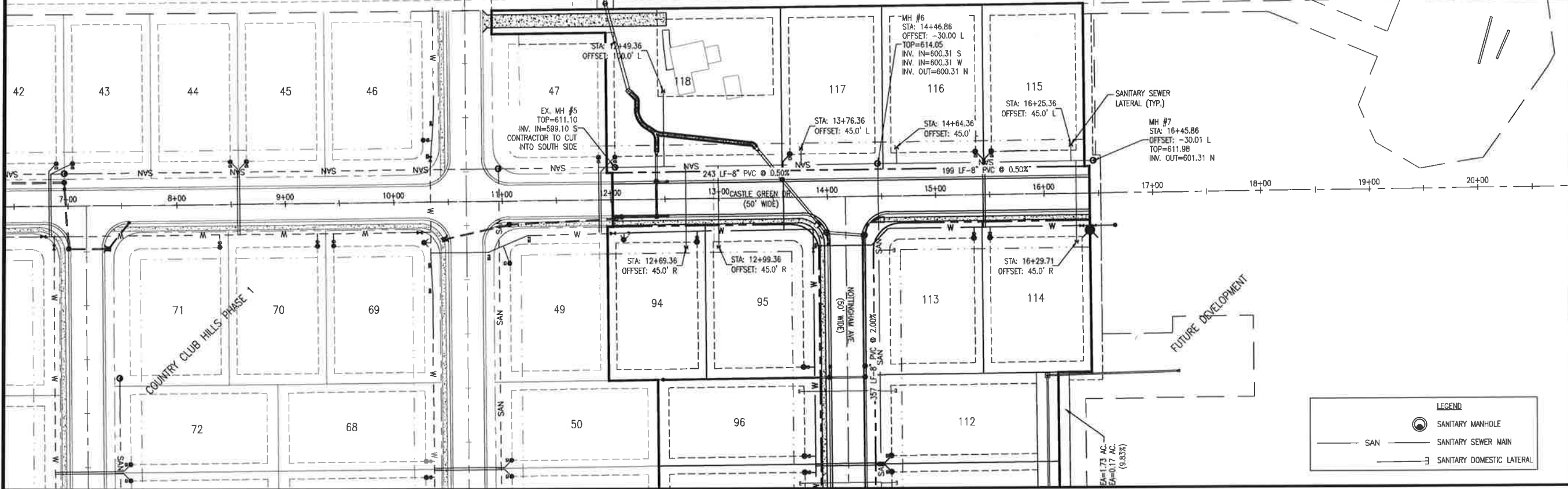
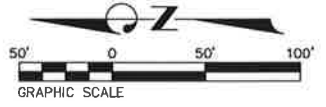


LEGEND

—	PROPOSED CENTER LINE
—	PROPOSED ROW LINE
—	PROPOSED LOT LINE
—	PROPOSED EASEMENT LINE (PERMANENT)
—	PROPOSED EASEMENT LINE (TEMPORARY)
—	PROPOSED SETBACK LINE

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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-025202
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MISSOURI LAND SURVEYING CORP.	NC 000346

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PLAN AND PROFILE
CASTLE GREEN DRIVE
 PROJECT:
COUNTRY CLUB HILLS-PHASE II
CITY OF WATERLOO
MONROE COUNTY
ILLINOIS

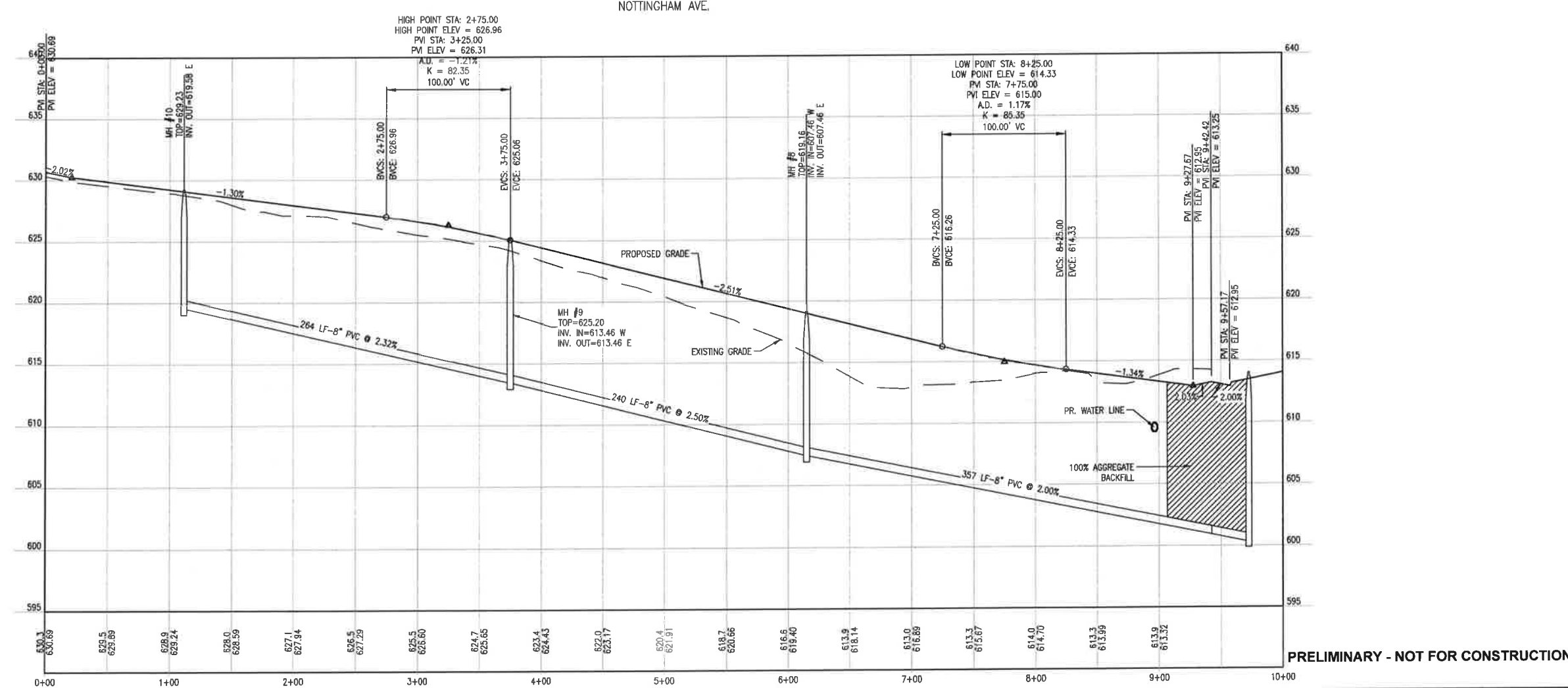
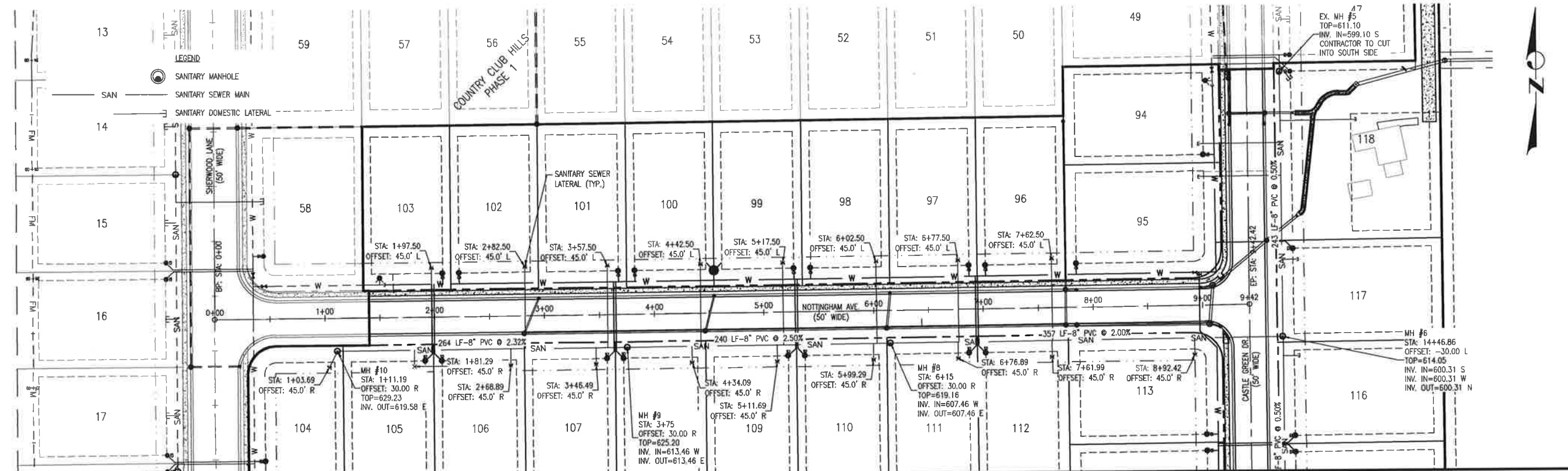
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CHECKED BY:	CDB	OF 21 SHEETS
APPROVED BY:	CDB	
PROJECT NUMBER:	D01160158	P&P CASTLE GREEN DR.

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- ISSUED FOR CONSTR.
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PLAN AND PROFILE
NOTTINGHAM AVE.

COUNTRY CLUB HILLS-PHASE II
CITY OF WATERLOO
MONROE COUNTY
ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: CDK	SHEET: 6
DESIGNED BY: CDK	OF 21 SHEETS
CHECKED BY: CDB	
APPROVED BY: CDB	
PROJECT NUMBER: D01160158	P&P NOTTINGHAM AVE.
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<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

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Plotted By: J.S. Stoddard
Date: 12/17/2011 10:34am



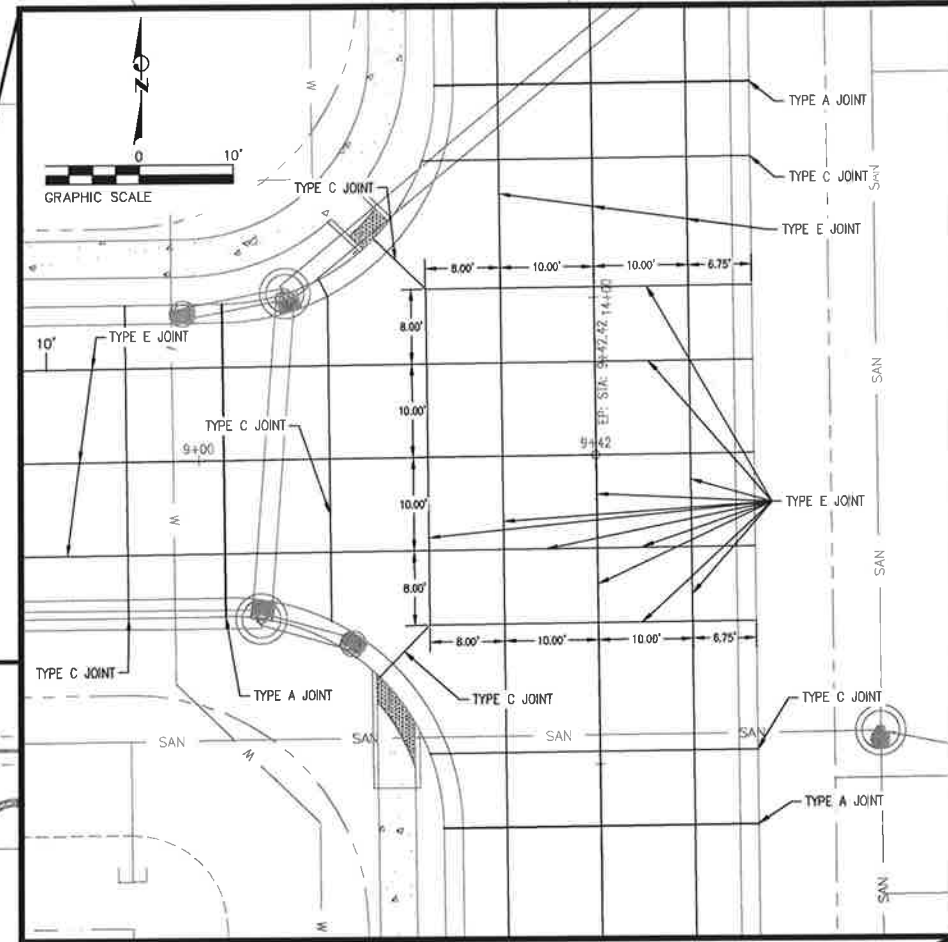
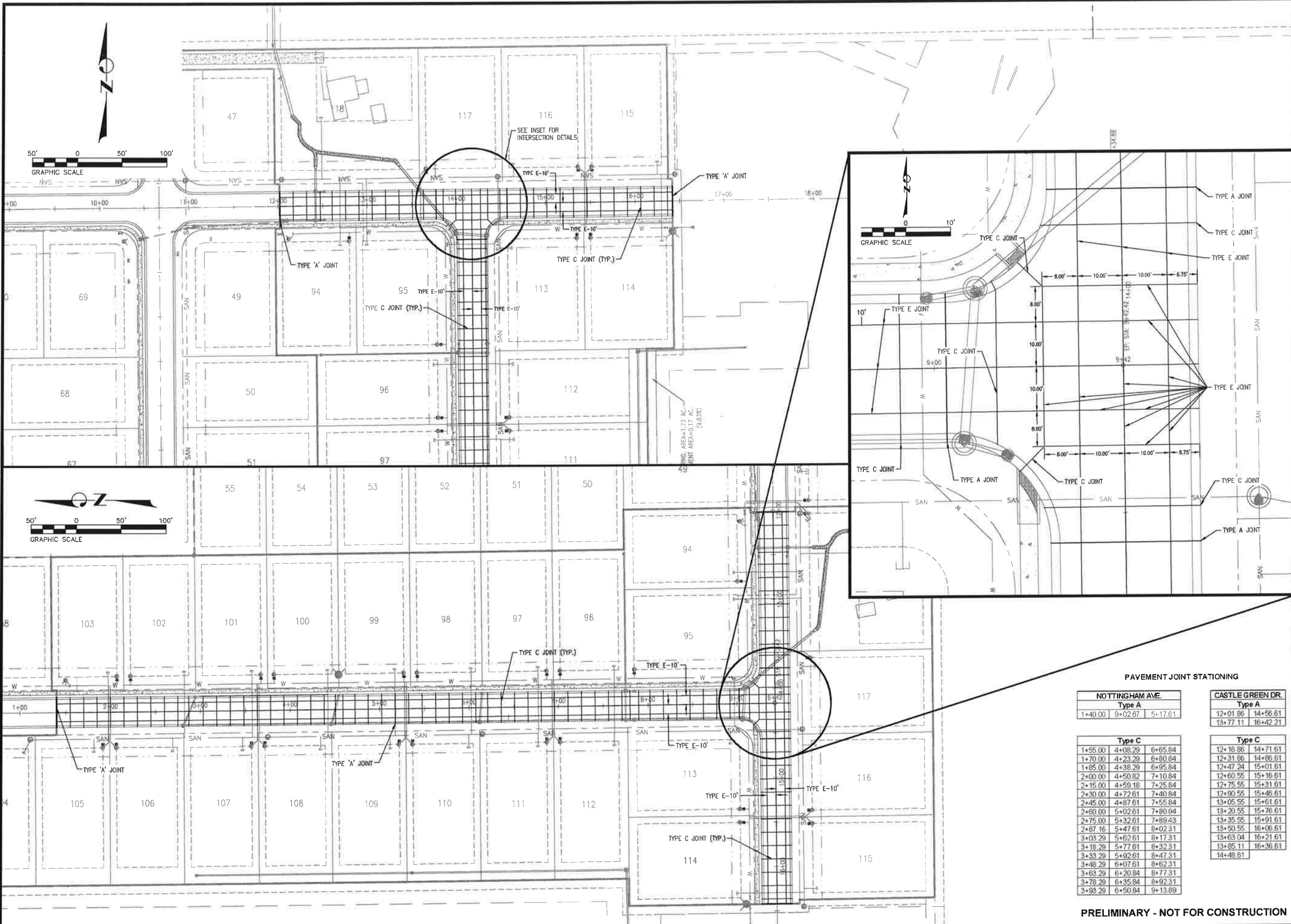
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ROADWAY JOINT LOCATIONS
COUNTRY CLUB HILLS - PHASE II
CITY OF WATERLOO
MONROE COUNTY
ILLINOIS



PAVEMENT JOINT STATIONING

NOTTINGHAM AVE.			CASTLE GREEN DR.	
Type A			Type A	
1+40.00	9+02.67	5+17.61	12+01.86	14+56.61
			13+77.11	16+42.21
Type C			Type C	
1+55.00	4+08.29	6+85.84	12+16.86	14+71.61
1+70.00	4+23.29	6+80.84	12+31.86	14+86.61
1+85.00	4+38.29	6+95.84	12+47.24	15+01.61
2+00.00	4+50.82	7+10.84	12+60.55	15+16.61
2+15.00	4+59.18	7+25.84	12+75.55	15+31.61
2+30.00	4+72.61	7+40.84	12+90.55	15+46.61
2+45.00	4+87.61	7+55.84	13+05.55	15+61.61
2+60.00	5+02.61	7+80.04	13+20.55	15+76.61
2+75.00	5+32.61	7+89.43	13+35.55	15+91.61
2+87.16	5+47.61	8+02.31	13+50.55	16+06.61
3+03.29	5+62.61	8+17.31	13+63.04	16+21.61
3+18.29	5+77.61	8+32.31	13+85.11	16+36.61
3+33.29	5+92.61	8+47.31	14+48.61	
3+48.29	6+07.61	8+62.31		
3+63.29	6+20.84	8+77.31		
3+78.29	6+35.84	8+92.31		
3+93.29	6+50.84	9+13.89		

PRELIMINARY - NOT FOR CONSTRUCTION

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 Date: 3/21/2017 10:55am



- NOTES:
- ALL AREAS DISTURBED WITHIN THE LIMITS OF IMPROVEMENTS SHALL BE SEEDED WITHIN MIXTURE CLASS 1, IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION BEING:
 - KY BLUEGRASS: 55lbs./ACRE
 - PERENNIAL RYEGRASS: 35lbs./ACRE
 - CREeping RE FESCUE: 25lbs./ACRE
 - MULCHING SHALL BE PROVIDED IN ACCORDANCE WITH MULCH METHOD 2, PROCEDURE 2 PER THE SAME STANDARD SPECIFICATION BEING:
 - PLACING AND STABILIZING STRAW AT 2 TONS/ACRE,
 - ANCHOR STRAW BY USE OF DULL BLADED DISK.
 - ANY AREA TO BE LEFT VOID OF VEGETATION FOR MORE THAN 21 DAYS SHALL HAVE TEMPORARY SEEDING AND MULCH APPLIED. THIS SHOULD BE DONE ANY TIME OF THE YEAR.
 - SILT FENCE SHOULD BE REGULARLY CHECKED AND CLEANED AS NECESSARY.
 - SILT FENCE TO BE INSTALLED ALONG BACK OF CURBS ONCE ROAD CONSTRUCTION COMPLETED.
 - NO UTILITY BOXES SHALL BE INSTALLED IN OVERLAND FLOW PATHS
 - ALL TEMPORARY EROSION CONTROL MATERIALS SHALL BE REMOVED BY CONTRACTOR UPON THE ESTABLISHED GROWTH OF VEGETATION
 - CONSTRUCTION ENTRANCES TO BE INSTALLED IN ACCORDANCE WITH NRCS' ILLINOIS URBAN MANUAL-STABILIZED CONSTRUCTION ENTRANCE"

LEGEND

	DENOTES SILT FENCE
	URETHANE DITCH CHECK
	INLET SEDIMENT PROTECTION
	CURB INLET SEDIMENT PROTECTION

Lot No	First Floor Elev.	Lowest Floor Elev.	Lowest Opening	Lookout	Walkout
94	613.75	603.75	613.75	No	No
95	618.50	606.50	613.75	No	No
96	618.50	608.50	613.75	No*	No
97	621.50	611.50	613.75	Yes	No
98	622.50	612.50	613.75	Yes	No**
99	624.50	614.50	614.50	Yes	Yes
100	626.50	616.50	616.50	Yes	Yes
101	628.25	618.25	618.25	Yes	Yes
102	629.00	619.00	619.00	Yes	Yes
103	629.75	619.75	619.75	Yes	Yes
104	631.00	621.00	626.00	No	No
105	630.00	620.00	626.00	No	No
106	629.50	619.50	626.00	No	No
107	628.25	618.25	626.00	No	No
108	626.75	616.75	623.50	No	No
109	624.75	614.75	620.75	No	No
110	622.50	612.50	620.75	No	No
111	620.50	610.50	618.00	No	No
112	618.50	608.50	615.00	No	No
113	616.50	606.50	615.00	No	No
114	616.00	606.00	615.00	No	No
115	616.00	606.00	606.00	Yes	Yes
116	618.00	606.00	606.00	Yes	Yes
117	615.50	605.50	609.00	Yes	No**
118					

* LOOKOUT POSSIBLE IF BUILDING'S LOWEST FLOOR IS RAISED
 ** WALKOUT POSSIBLE IF BUILDING IS RAISED SUCH THAT LOWEST FLOOR ELEVATION IS EQUAL TO OR GREATER THAN LOWEST OPENING ELEVATION.

THOUVENOT, WADE & MOERCHEN, INC.
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PROFESSIONAL REGISTRATIONS

ILLINOIS PROFESSIONAL DESIGN FIRM	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-03370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-006202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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TITLE: **GRADING AND EROSION CONTROL PLAN**

PROJECT: **COUNTRY CLUB HILLS-PHASE II
 CITY OF WATERLOO
 MONROE COUNTY
 ILLINOIS**

REV	DATE	DESCRIPTION

DRAWN BY: CDK	SHEET
DESIGNED BY: CDK	8
CHECKED BY: CDB	OF 21 SHEETS
APPROVED BY: CDB	GRADING & EC PLAN
PROJECT NUMBER: D01160158	

ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR. RECORD DRAWING

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PRELIMINARY - NOT FOR CONSTRUCTION



NOTES:

1. ALL AREAS DISTURBED WITHIN THE LIMITS OF IMPROVEMENTS SHALL BE SEEDED WITHIN MIXTURE CLASS 1, IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION BEING:

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 CREEPING RE FESCUE: 25lbs./ACRE

2. MULCHING SHALL BE PROVIDED IN ACCORDANCE WITH MULCH METHOD 2, PROCEDURE 2 PER THE SAME STANDARD SPECIFICATION BEING:

PLACING AND STABILIZING STRAW AT 2 TONS/ACRE, ANCHOR STRAW BY USE OF DULL BLADED DISK.

3. ANY AREA TO BE LEFT VOID OF VEGETATION FOR MORE THAN 21 DAYS SHALL HAVE TEMPORARY SEEDING AND MULCH APPLIED, THIS SHOULD BE DONE ANY TIME OF THE YEAR.

4. SILT FENCE SHOULD BE REGULARLY CHECKED AND CLEANED AS NECESSARY.

5. SILT FENCE TO BE INSTALLED ALONG BACK OF CURBS ONCE ROAD CONSTRUCTION COMPLETED.

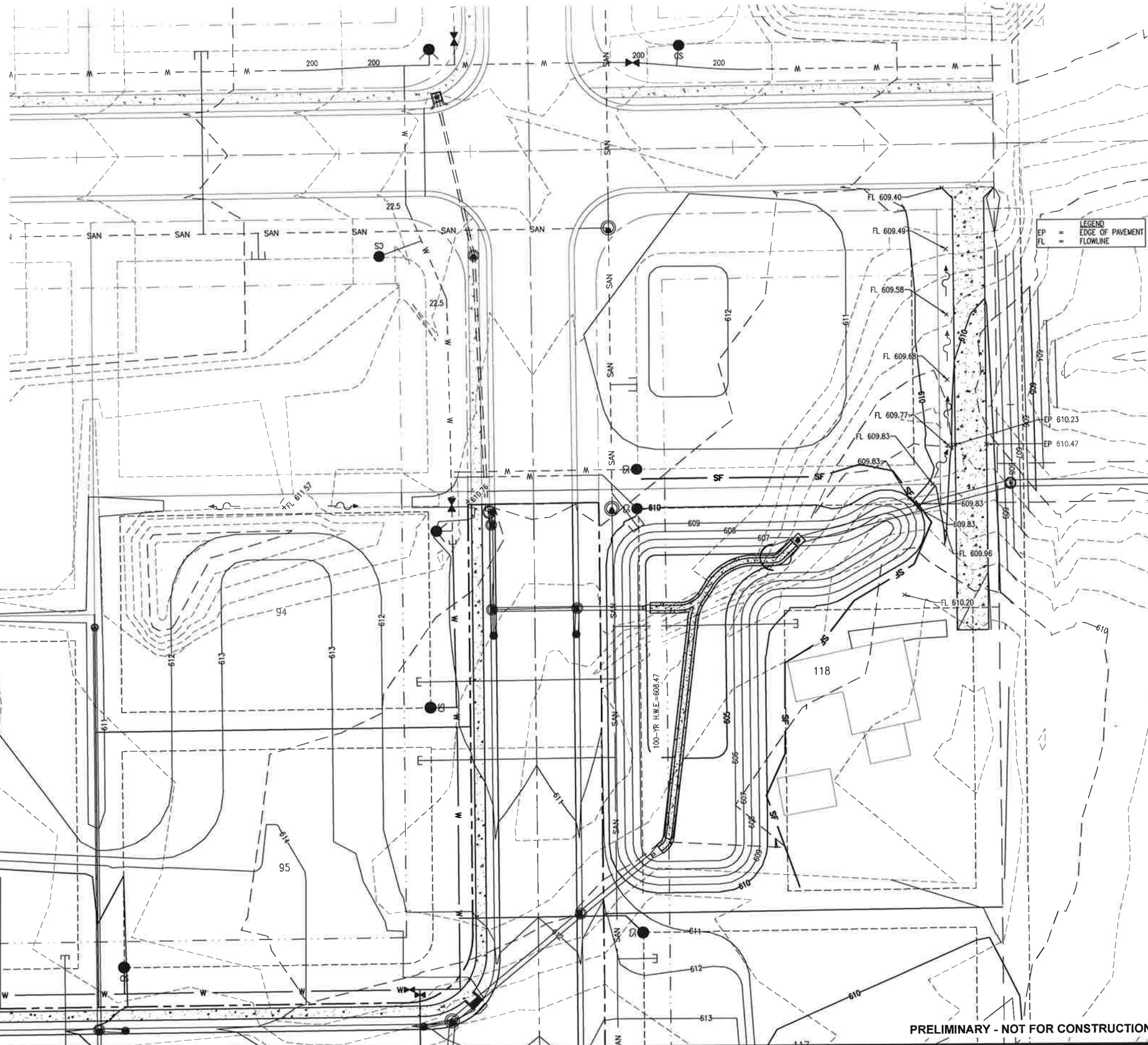
6. NO UTILITY BOXES SHALL BE INSTALLED IN OVERLAND FLOW PATHS

7. ALL TEMPORARY EROSION CONTROL MATERIALS SHALL BE REMOVED BY CONTRACTOR UPON THE ESTABLISHED GROWTH OF VEGETATION

8. CONSTRUCTION ENTRANCES TO BE INSTALLED IN ACCORDANCE WITH NRCS' "ILLINOIS URBAN MANUAL-STABILIZED CONSTRUCTION ENTRANCE"

LEGEND

DENOTES PROPOSED OVERLAND FLOW PATH



LEGEND
 EP = EDGE OF PAVEMENT
 FL = FLOWLINE

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 MOERCHEN, INC.
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 FAX (618) 939-3938
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 ST. CHARLES, MISSOURI 63301
 TEL (636) 724-8300
 FAX (636) 724-8304

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-033710
PROFESSIONAL STRUCTURAL ENGR. CORP.	61-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000229
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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 Signature Date: _____
 Expiration Date: _____

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TITLE:
GRADING AND EROSION CONTROL PLAN - NORTH
 PROJECT:
COUNTRY CLUB HILLS - PHASE II
CITY OF WATERLOO
MONROE COUNTY
ILLINOIS

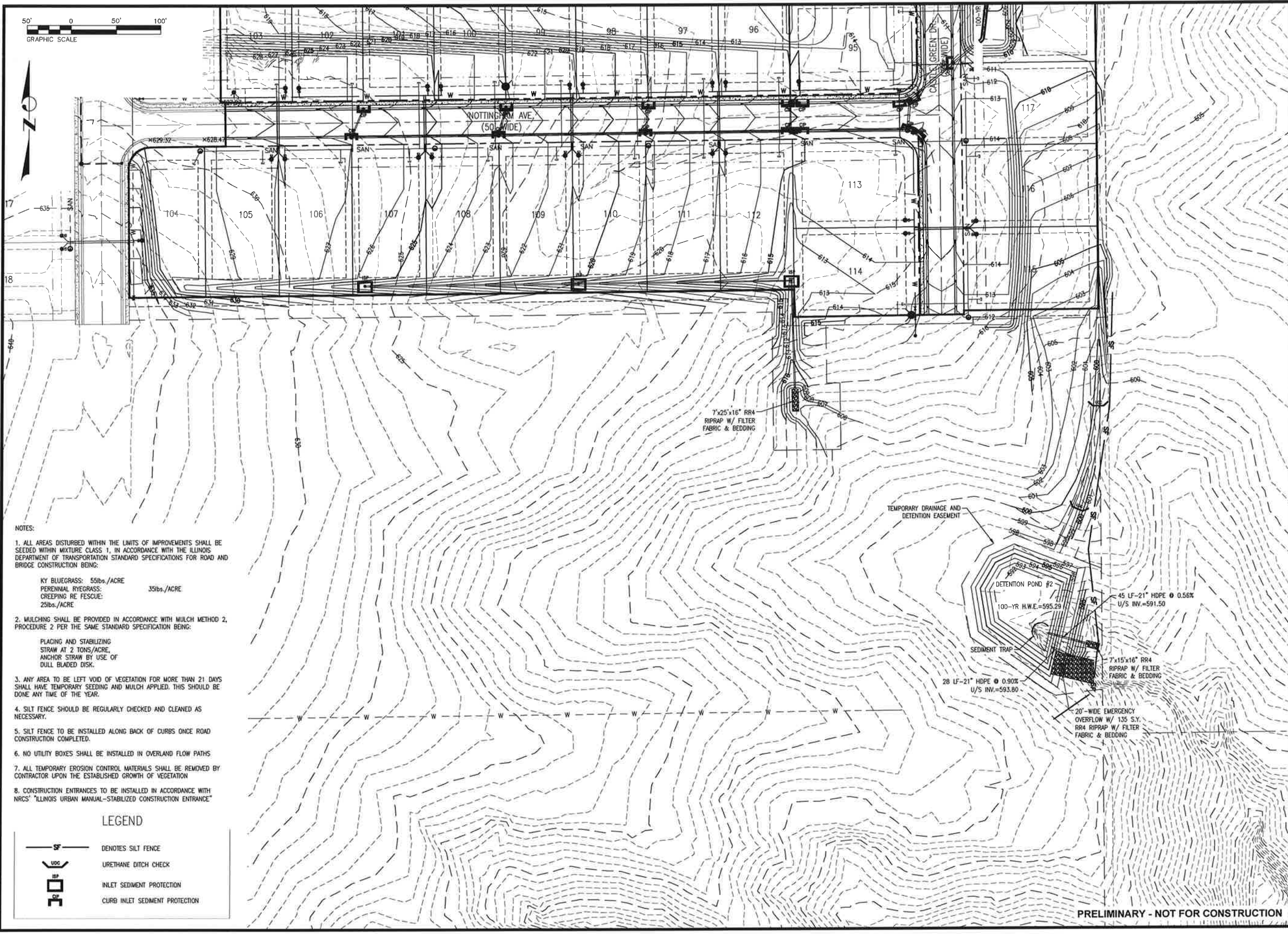
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DESIGNED BY:	CDK	9
CHECKED BY:	CDB	OF 21 SHEETS
APPROVED BY:	CDB	GRADING & EC PLAN
PROJECT NUMBER:	D01160158	

ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR RECORD DRAWING

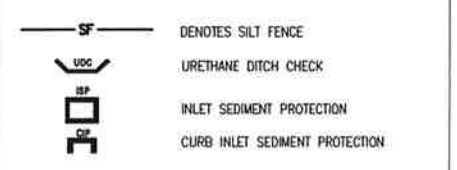
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- NOTES:
- ALL AREAS DISTURBED WITHIN THE LIMITS OF IMPROVEMENTS SHALL BE SEEDED WITH MIXTURE CLASS 1, IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION BEING:
 KY BLUEGRASS: 55lbs./ACRE
 PERENNIAL RYEGRASS: 35lbs./ACRE
 CREEPING RE FESCUE: 25lbs./ACRE
 - MULCHING SHALL BE PROVIDED IN ACCORDANCE WITH MULCH METHOD 2, PROCEDURE 2 PER THE SAME STANDARD SPECIFICATION BEING:
 PLACING AND STABILIZING STRAW AT 2 TONS/ACRE.
 ANCHOR STRAW BY USE OF DULL BLADED DISK.
 - ANY AREA TO BE LEFT VOID OF VEGETATION FOR MORE THAN 21 DAYS SHALL HAVE TEMPORARY SEEDING AND MULCH APPLIED. THIS SHOULD BE DONE ANY TIME OF THE YEAR.
 - SILT FENCE SHOULD BE REGULARLY CHECKED AND CLEANED AS NECESSARY.
 - SILT FENCE TO BE INSTALLED ALONG BACK OF CURBS ONCE ROAD CONSTRUCTION COMPLETED.
 - NO UTILITY BOXES SHALL BE INSTALLED IN OVERLAND FLOW PATHS.
 - ALL TEMPORARY EROSION CONTROL MATERIALS SHALL BE REMOVED BY CONTRACTOR UPON THE ESTABLISHED GROWTH OF VEGETATION.
 - CONSTRUCTION ENTRANCES TO BE INSTALLED IN ACCORDANCE WITH NRCS' "ILLINOIS URBAN MANUAL-STABILIZED CONSTRUCTION ENTRANCE"

LEGEND



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PROFESSIONAL REGISTRATIONS	LICENSE NO.
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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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GRADING AND EROSION CONTROL PLAN - SOUTH

PROJECT: **COUNTRY CLUB HILLS PHASE II**
CITY OF WATERLOO
MONROE COUNTY
ILLINOIS

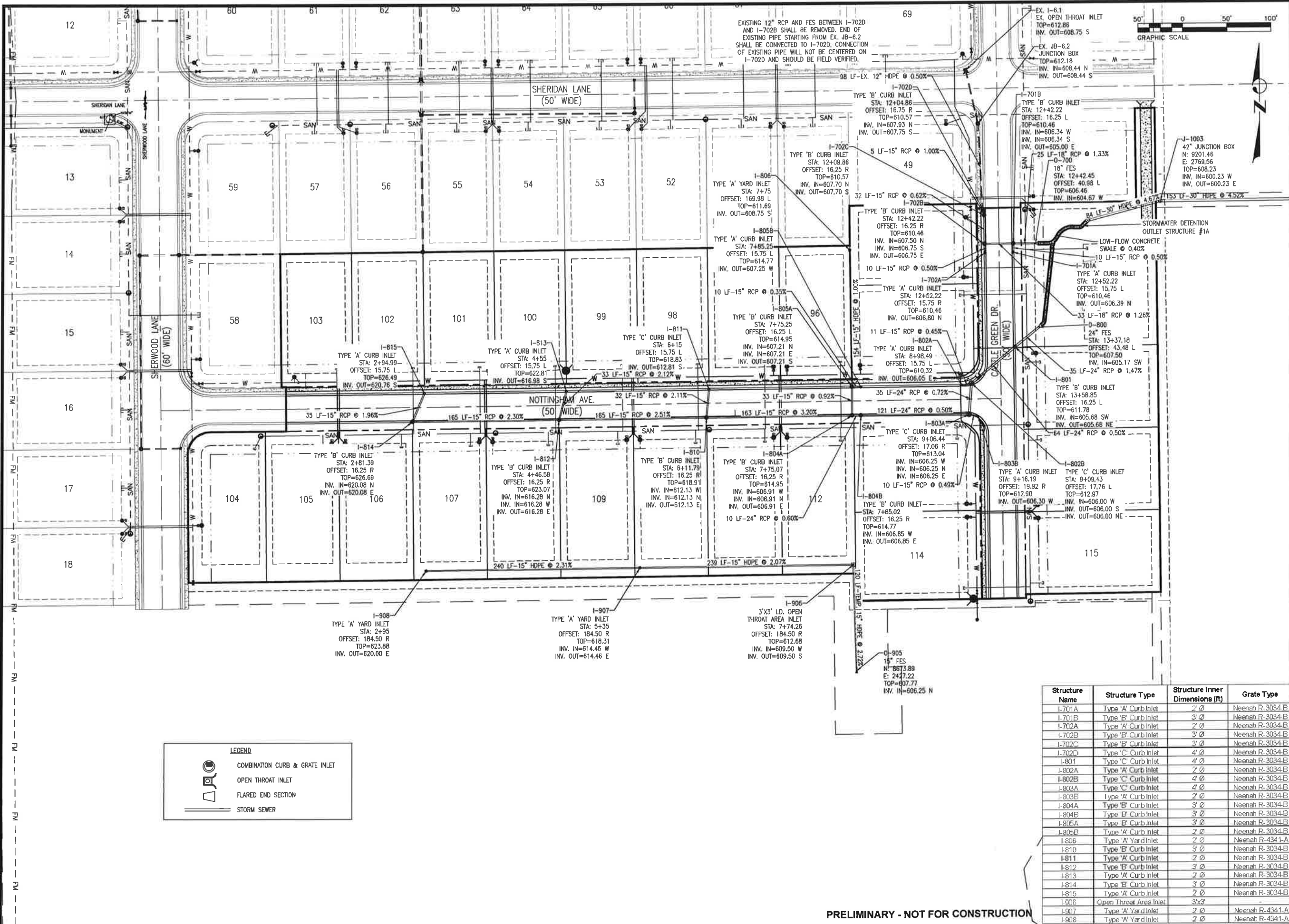
REV	DATE	DESCRIPTION

DRAWN BY: COK	SHEET
DESIGNED BY: COK	10
CHECKED BY: CDB	OF 21 SHEETS
APPROVED BY: CDB	GRADING & EC PLAN
PROJECT NUMBER: D01160158	

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- ISSUED FOR CONSTR.
- RECORD DRAWING

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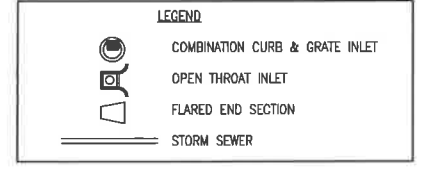
PROFESSIONAL REGISTRATIONS	LICENSE NO
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PROFESSIONAL ENGINEERING CORP.	62-036370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-000202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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 Signature Date: _____
 Expiration Date: _____

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STORM SEWER PLAN
COUNTRY CLUB HILLS - PHASE II
CITY OF WATERLOO
MONROE COUNTY
ILLINOIS

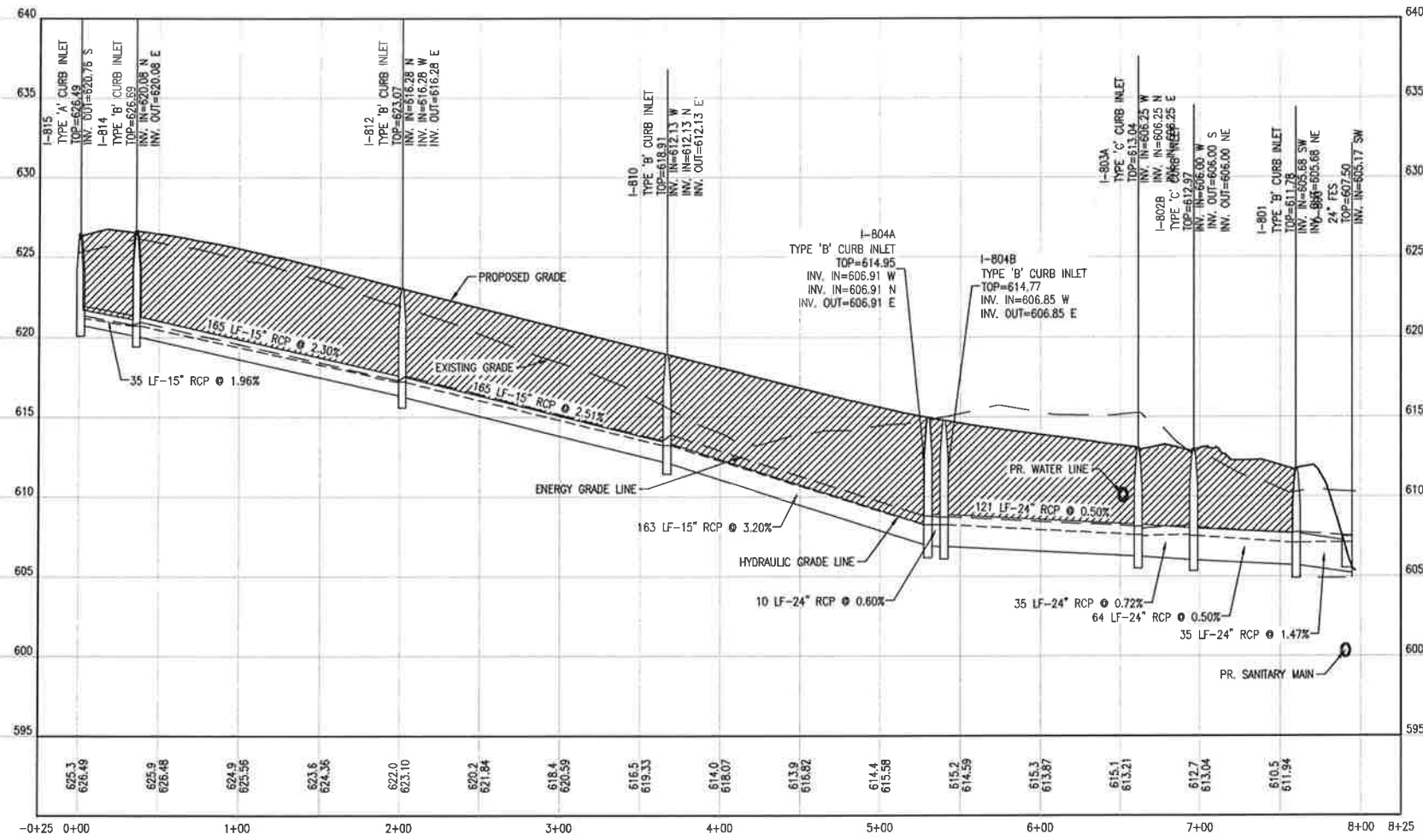
Structure Name	Structure Type	Structure Inner Dimensions (ft)	Grate Type
I-701A	Type 'A' Curb Inlet	2' Ø	Neenah R-3034-B
I-701B	Type 'B' Curb Inlet	3' Ø	Neenah R-3034-B
I-702A	Type 'A' Curb Inlet	2' Ø	Neenah R-3034-B
I-702B	Type 'B' Curb Inlet	3' Ø	Neenah R-3034-B
I-702C	Type 'C' Curb Inlet	3' Ø	Neenah R-3034-B
I-702D	Type 'C' Curb Inlet	4' Ø	Neenah R-3034-B
I-801	Type 'C' Curb Inlet	4' Ø	Neenah R-3034-B
I-802A	Type 'A' Curb Inlet	2' Ø	Neenah R-3034-B
I-802B	Type 'C' Curb Inlet	4' Ø	Neenah R-3034-B
I-803A	Type 'C' Curb Inlet	4' Ø	Neenah R-3034-B
I-803B	Type 'A' Curb Inlet	2' Ø	Neenah R-3034-B
I-804A	Type 'B' Curb Inlet	3' Ø	Neenah R-3034-B
I-804B	Type 'B' Curb Inlet	3' Ø	Neenah R-3034-B
I-805A	Type 'B' Curb Inlet	3' Ø	Neenah R-3034-B
I-805B	Type 'A' Curb Inlet	2' Ø	Neenah R-3034-B
I-806	Type 'A' Yard Inlet	2' Ø	Neenah R-4341-A
I-810	Type 'B' Curb Inlet	3' Ø	Neenah R-3034-B
I-811	Type 'A' Curb Inlet	2' Ø	Neenah R-3034-B
I-812	Type 'B' Curb Inlet	3' Ø	Neenah R-3034-B
I-813	Type 'A' Curb Inlet	2' Ø	Neenah R-3034-B
I-814	Type 'B' Curb Inlet	3' Ø	Neenah R-3034-B
I-815	Type 'A' Curb Inlet	2' Ø	Neenah R-3034-B
I-906	Open Throat Area Inlet	3'x3'	-
I-907	Type 'A' Yard Inlet	2' Ø	Neenah R-4341-A
I-908	Type 'A' Yard Inlet	2' Ø	Neenah R-4341-A



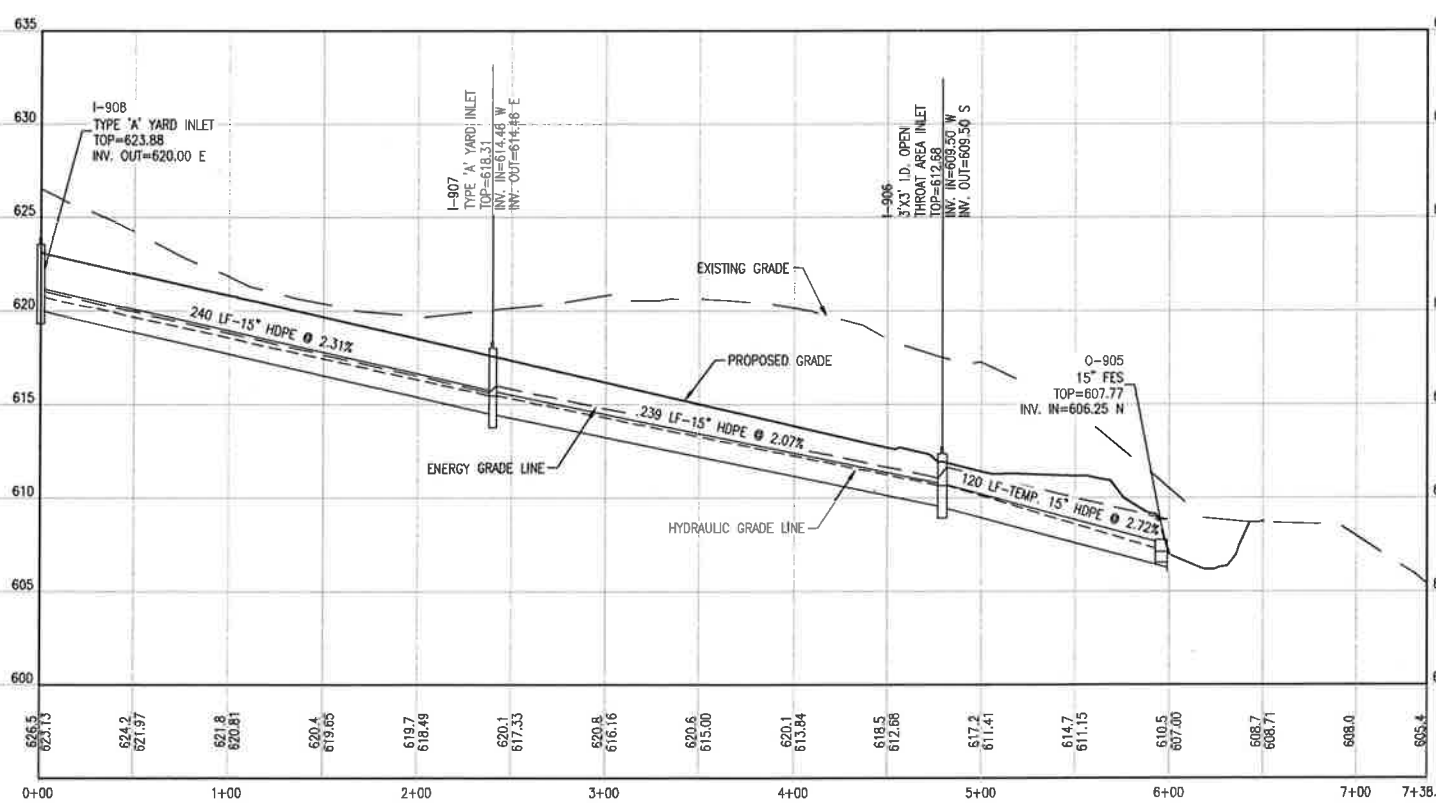
PRELIMINARY - NOT FOR CONSTRUCTION

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I-815 TO 0-800

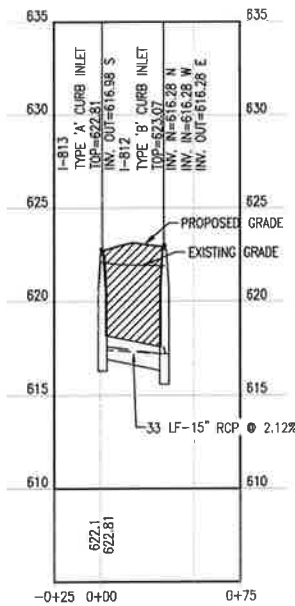


I-908 TO 0-905

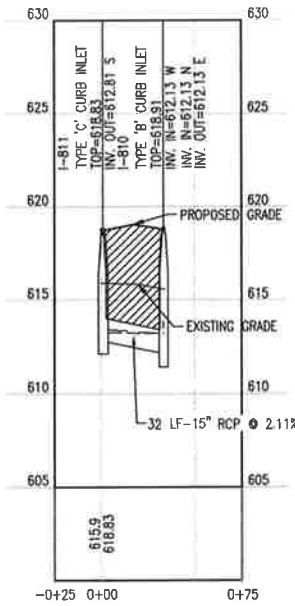


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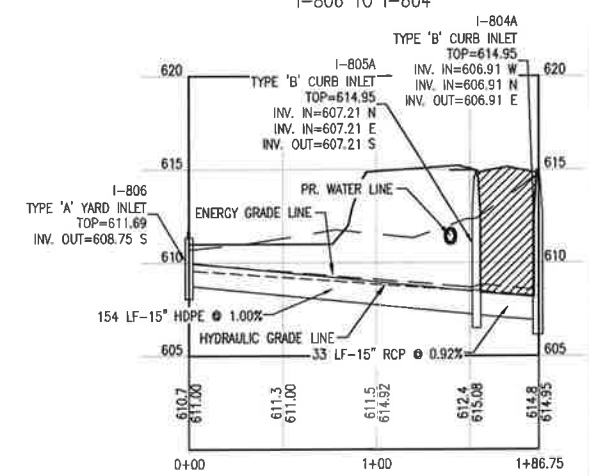
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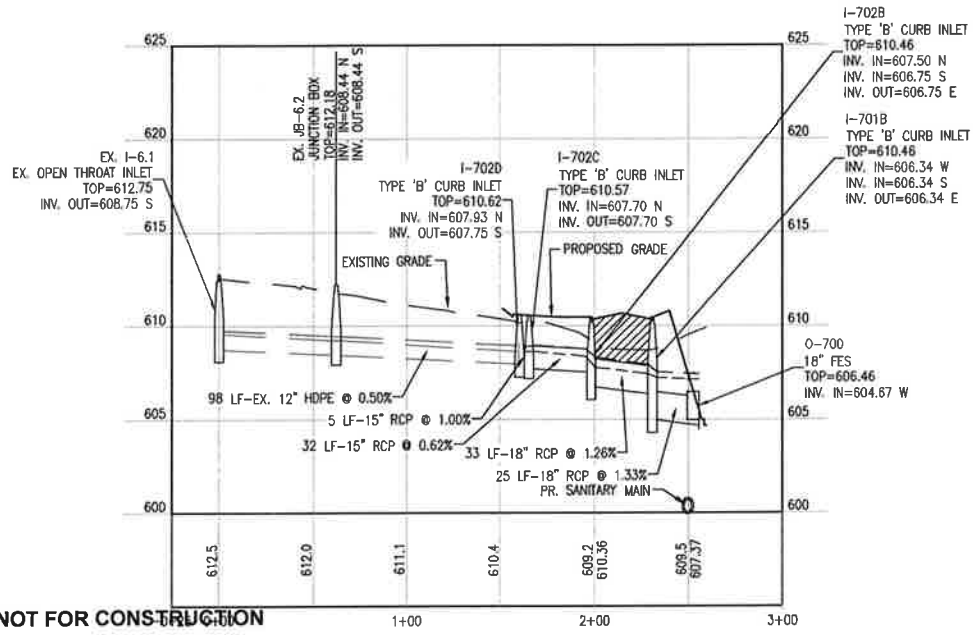
I-811 TO I-810



I-806 TO I-804



EX. I-6.1 TO 0-700



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FAX (636) 724-8304

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001628
MISSOURI LAND SURVEYING CORP.	NC 006346

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 Date: _____
 Title: _____

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STORM SEWER PROFILES

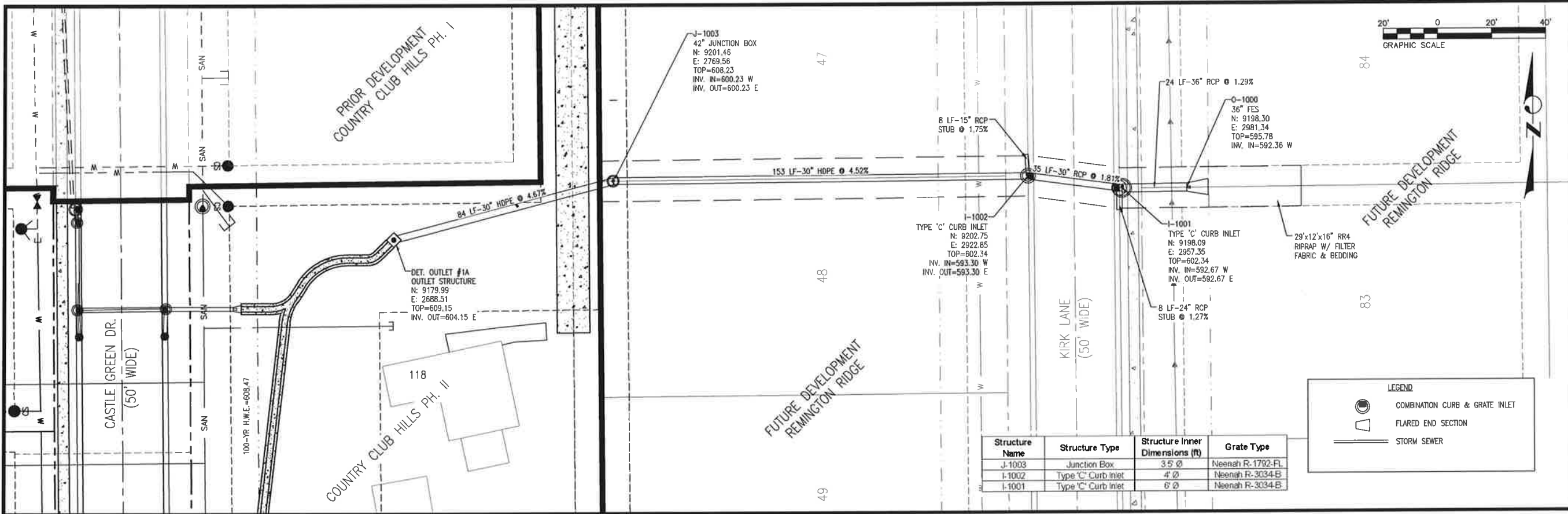
COUNTRY CLUB HILLS-PHASE II
CITY OF WATERLOO
MONROE COUNTY
ILLINOIS

REV	DATE	DESCRIPTION
1		
2		
3		
4		

DRAWN BY: CDK	SHEET 12
DESIGNED BY: CDK	OF 21 SHEETS
CHECKED BY: CDB	
APPROVED BY: CDB	STORM PROFILES
PROJECT NUMBER: D01160158	

- ISSUED FOR REVIEW
- ISSUED FOR BIDDING
- ISSUED FOR CONSTR.
- RECORD DRAWING

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MISSOURI PROFESSIONAL ENGR. CORP. NC 001528
MISSOURI LAND SURVEYING CORP. NC 000346

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TITLE:
DETENTION OUTLET PLAN AND PROFILE

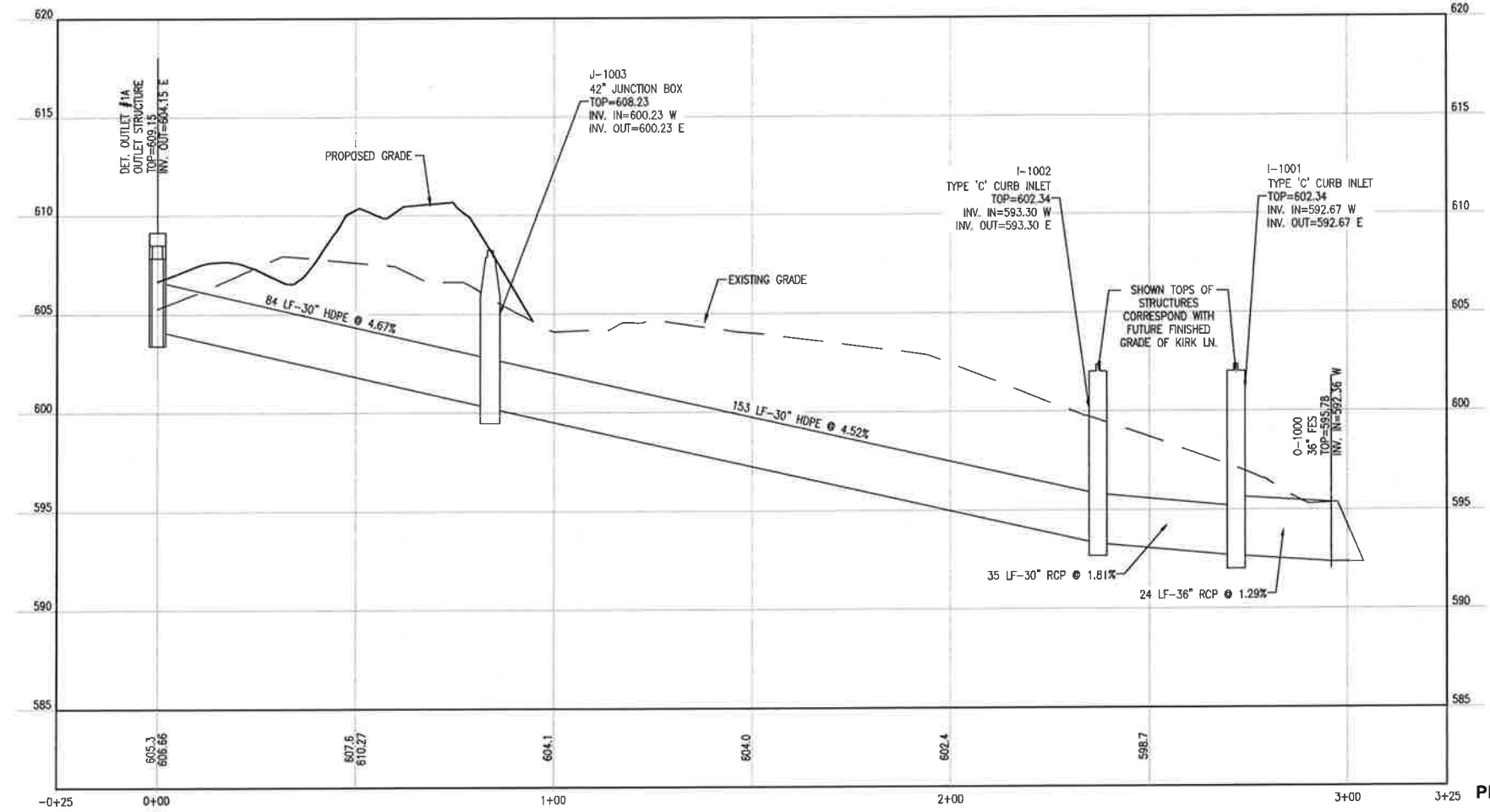
PROJECT:
COUNTRY CLUB HILLS-PHASE II
CITY OF WATERLOO
MONROE COUNTY
ILLINOIS

REV.	DATE	DESCRIPTION
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△		

DRAWN BY: CDK **SHEET**
DESIGNED BY: CDK **13**
CHECKED BY: CDB **OF 21 SHEETS**
APPROVED BY: CDB **STORM PLAN**
PROJECT NUMBER: D01160158

ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR. RECORD DRAWING

DET. OUTLET - O-1000 (-0+25.00 - 3+25.00)



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PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001200
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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
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MISSOURI LAND SURVEYING CORP.	NC 000346

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INTERSECTION DETAILS

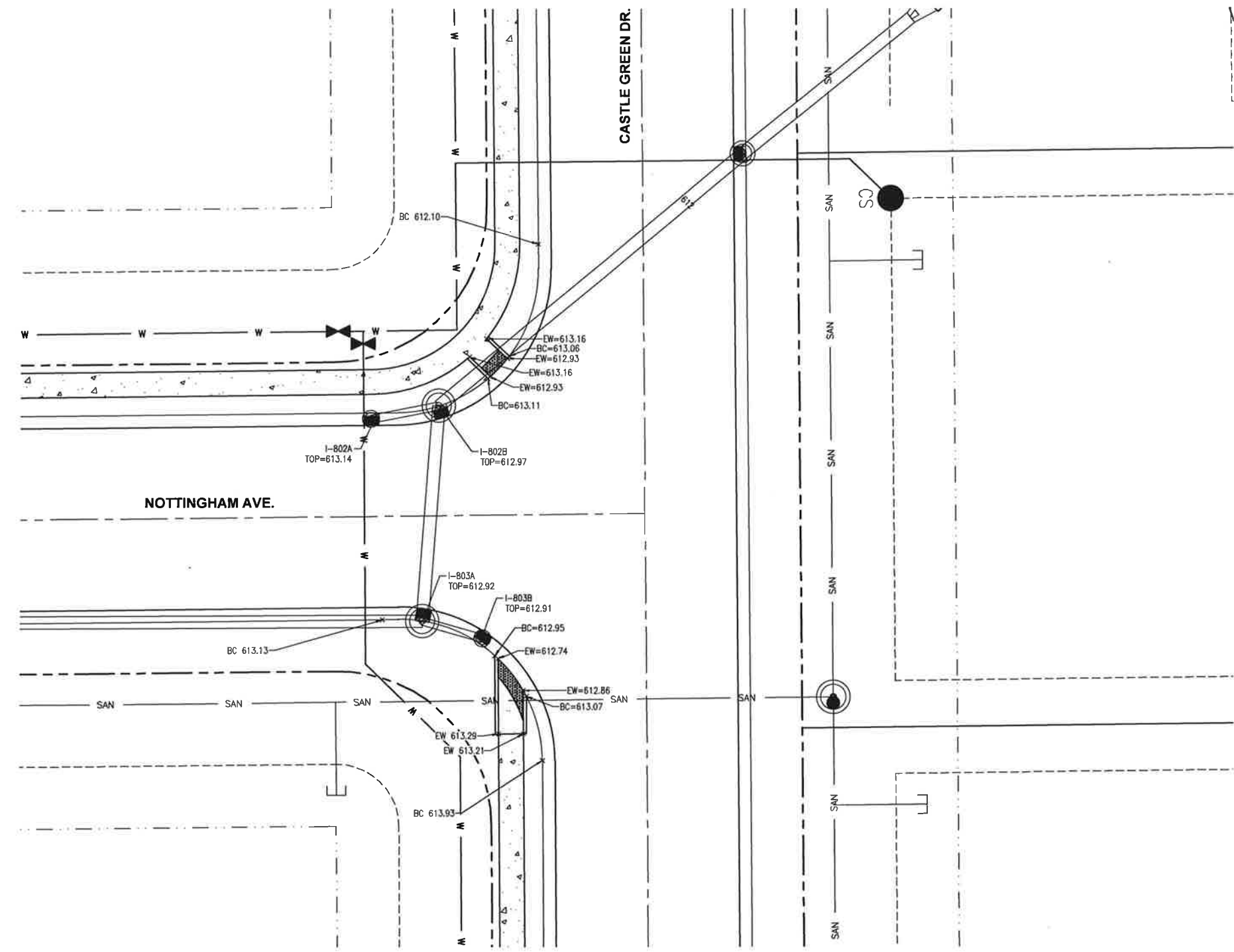
PROJECT:
 COUNTRY CLUB HILLS-PHASE II
 CITY OF WATERLOO
 MONROE COUNTY
 ILLINOIS

REV	DATE	DESCRIPTION
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DRAWN BY: CDK	SHEET
DESIGNED BY: CDK	14
CHECKED BY: CDB	OF 21 SHEETS
APPROVED BY: CDB	INTERSECTION
PROJECT NUMBER: D01160158	

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- ISSUED FOR CONSTR
- RECORD DRAWING

LEGEND
 BC = BACK OF CURB
 EW = EDGE OF WALK



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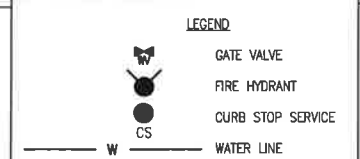
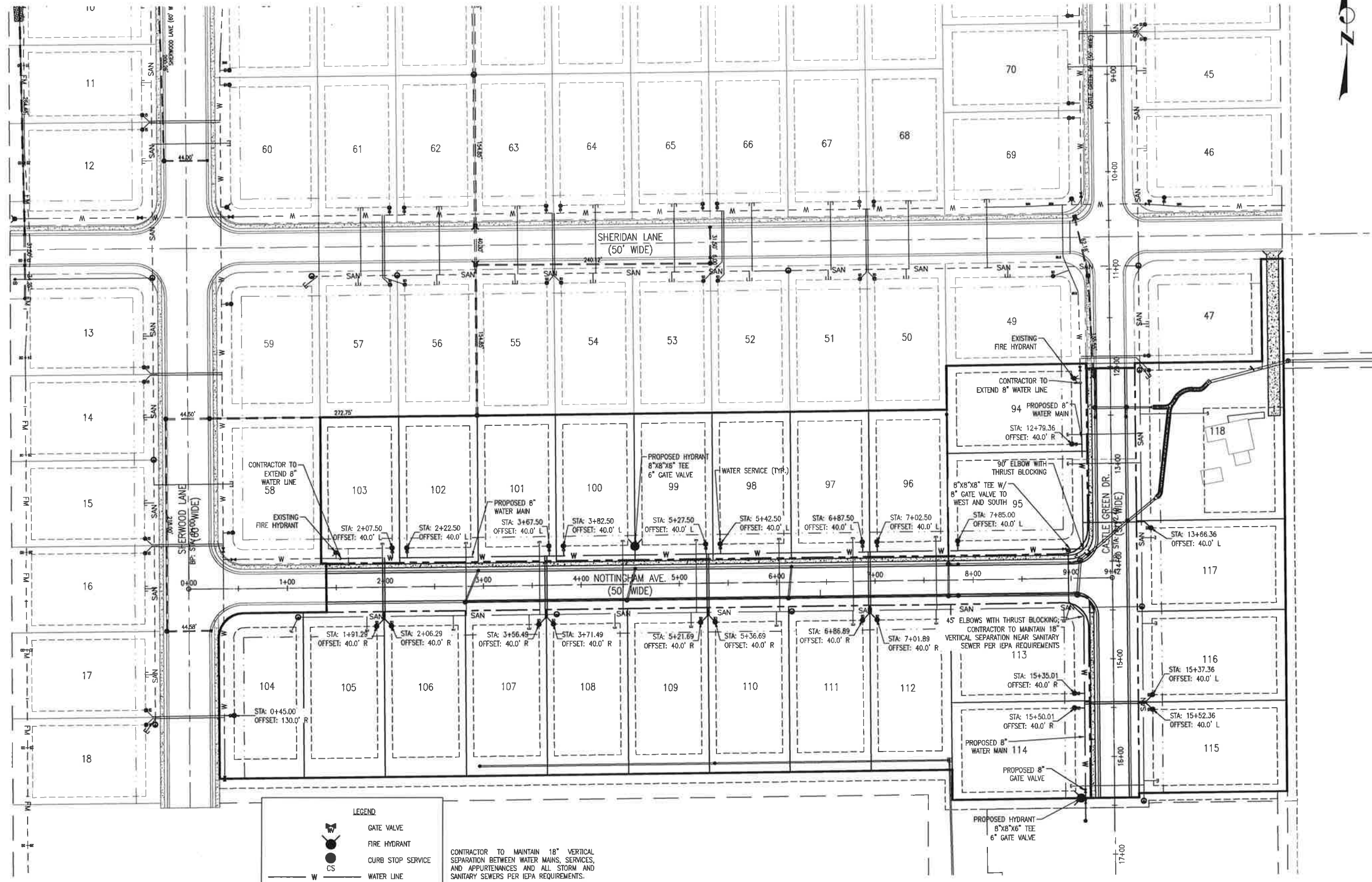
- CORPORATE OFFICE**
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CONTRACTOR TO MAINTAIN 18" VERTICAL SEPARATION BETWEEN WATER MAINS, SERVICES, AND APPURTENANCES AND ALL STORM AND SANITARY SEWERS PER IEPA REQUIREMENTS.

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 Author: J. S. S. 11/15/01 11:58 AM

WATERMAIN PLAN

PROJECT: **COUNTRY CLUB HILLS-PHASE II**
CITY OF WATERLOO
MONROE COUNTY
ILLINOIS

REV	DATE	DESCRIPTION

DRAWN BY: CDK	SHEET
DESIGNED BY: CDK	15
CHECKED BY: CDB	OF 21 SHEETS
APPROVED BY: CDB	WATER PLAN
PROJECT NUMBER: D01160158	

- ISSUED FOR REVIEW
- ISSUED FOR BIDDING
- ISSUED FOR CONSTR.
- RECORD DRAWING

PRELIMINARY - NOT FOR CONSTRUCTION



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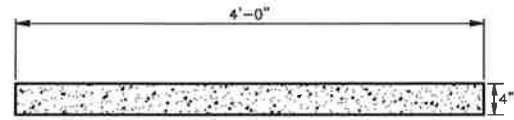
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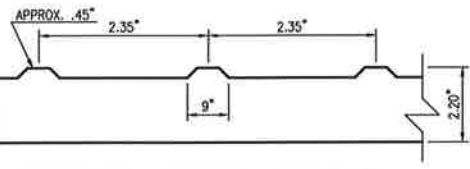
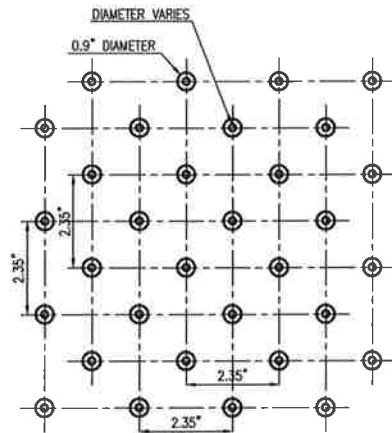
STATEMENT OF RESPONSIBILITY
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PAVEMENT DETAILS

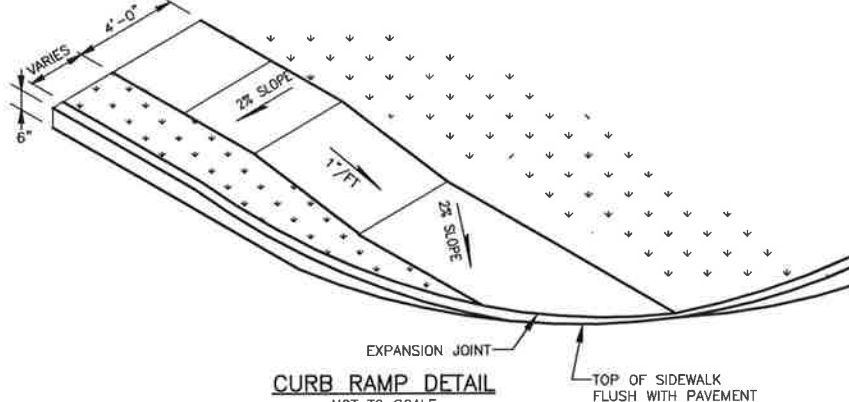
COUNTRY CLUB HILLS PHASE II
CITY OF WATERLOO
MONROE COUNTY
ILLINOIS



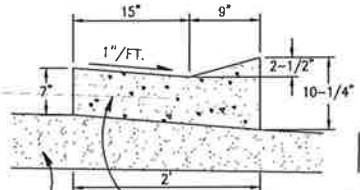
SIDEWALK DETAIL



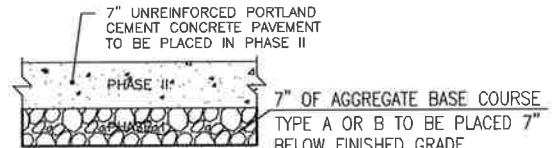
DETECTABLE WARNING SURFACE
NOTE: 1. USE SYMONS COLOR HARDNER IN BRICK RED OR APPROVED EQUAL FOR VISUAL CONTRAST ON RAMP



CURB RAMP DETAIL
NOT TO SCALE

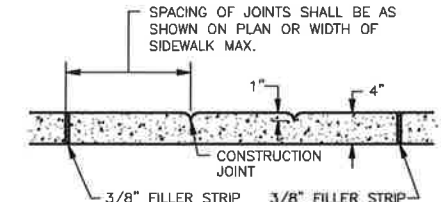


CITY OF WATERLOO V GUTTER DETAIL



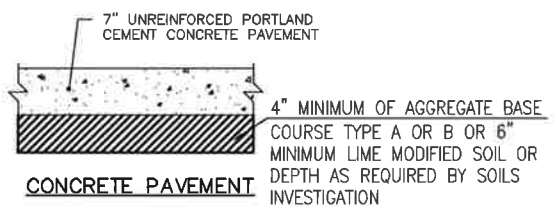
REMAINDER SHERWOOD LANE SECTION

NOTES:
600' MAXIMUM SPACING BETWEEN TYPE A JOINTS

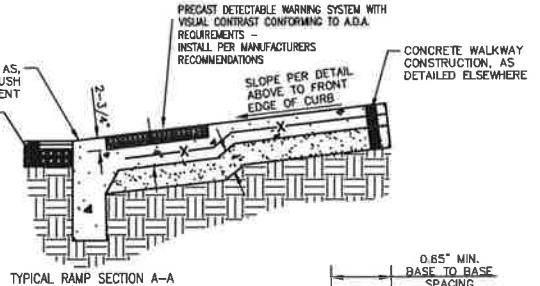
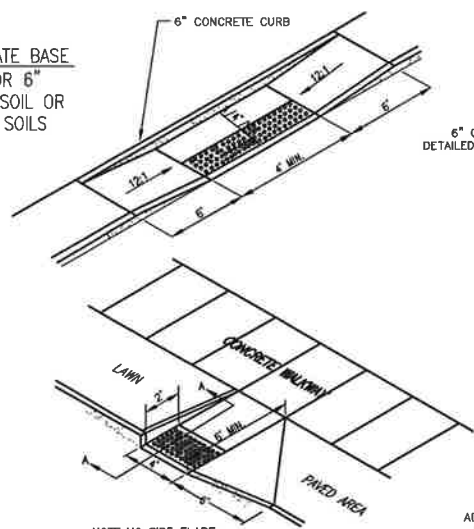


NOTE: MAXIMUM 25' SPACING BETWEEN EXPANSION JOINTS PROVIDE EXPANSION JOINT MATERIAL AND SEALANT WHERE SIDEWALK AND BUILDING INTERFACE.

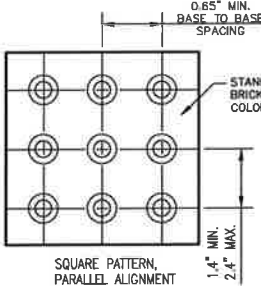
SIDEWALK JOINT DETAIL



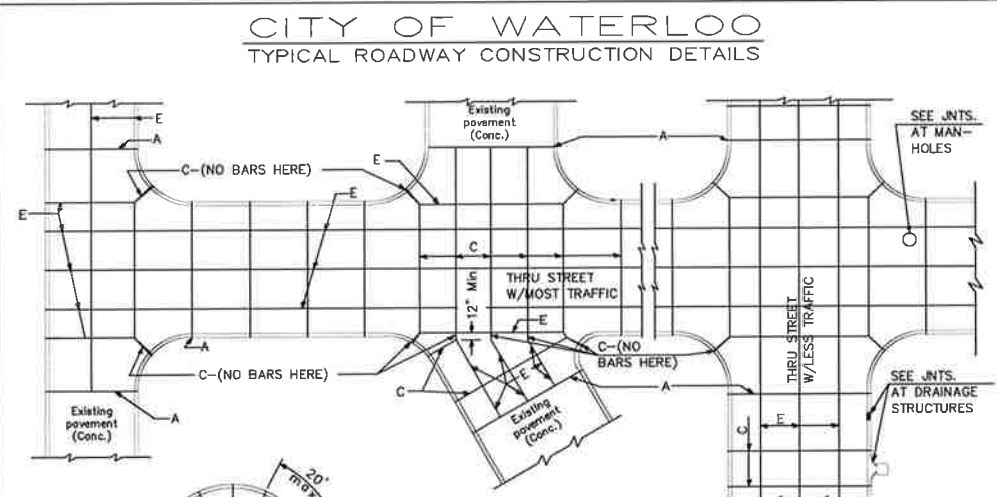
CONCRETE PAVEMENT



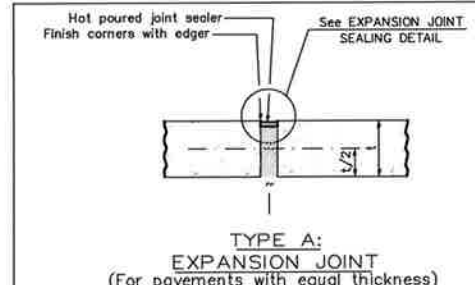
ADA COMPLIANCE DETAIL



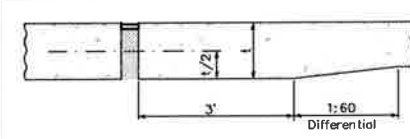
SQUARE PATTERN, PARALLEL ALIGNMENT



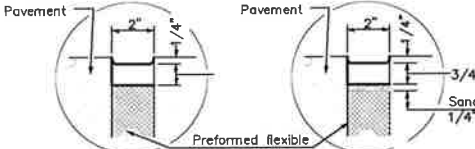
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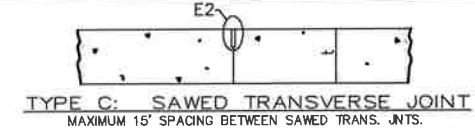
TYPE A: EXPANSION JOINT
(For pavements with equal thickness)



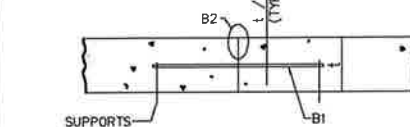
TYPE A: EXPANSION JOINT
(For pavements with unequal thickness See EXPAN. JOINT SEALING DETAIL)



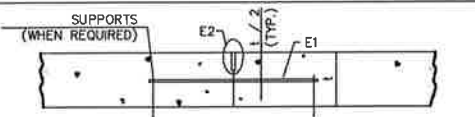
EXPANSION JOINT SEALING DETAIL



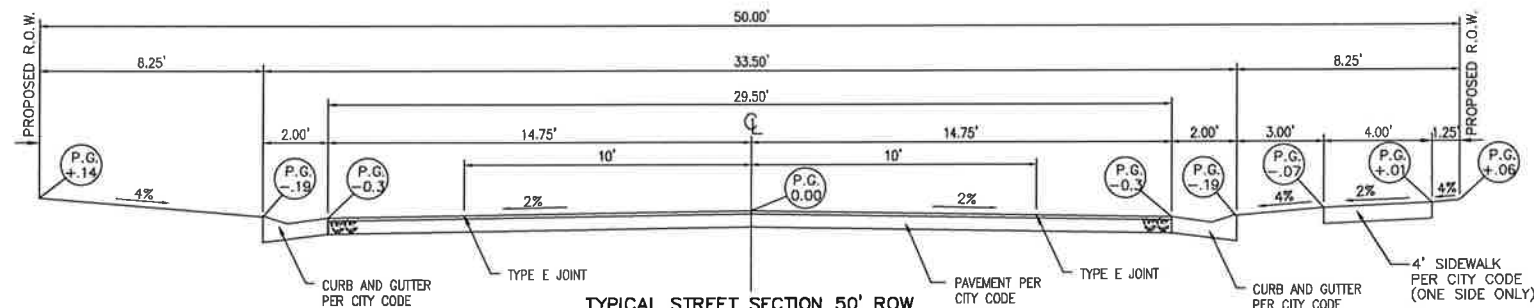
TYPE C: SAWED TRANSVERSE JOINT
MAXIMUM 15' SPACING BETWEEN SAWED TRANS. JNTS.



TYPE B: TRANVERSE CONSTRUCTION JOINT
B1 = NO. 6 TIE BAR, 30" LONG (MIN.) AT 30" CENTERS (SHALL NOT BE BENT, MAY BE MECHANICALLY PLACED)
B2 = USE EDGER



TYPE E: SAWED LONGITUDINAL JOINT
E1 = NO. 6 TIE BARS, 30" LONG AT 30" CTS. PER IDOT STD. 606001 (NO. 6 BARS SHALL NOT BE BENT), OR NO. 5 BARS, 30", AT 20" CTS. (NO. 5 BARS MAY BE BENT)
E2 = 1/8" MIN. WIDE SAWCUT, 1/3 DEEP, FILL WITH HOT POURED JOINT SEALANT PER 1050.02 OF STD. SPECS. OR APPROVED EQUAL.



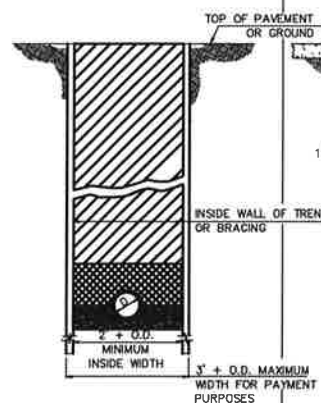
PRELIMINARY - NOT FOR CONSTRUCTION
SIDEWALK ON ONE SIDE IN R-2 ZONING

DETAIL R-2

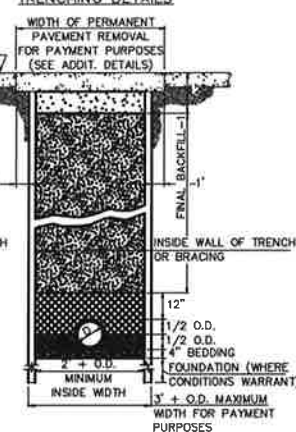
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CITY OF WATERLOO
TYPICAL SANITARY SEWER AND SANITARY SEWER FORCE MAIN CONSTRUCTION DETAILS

NON-PAVED AREAS TRENCHING DETAILS



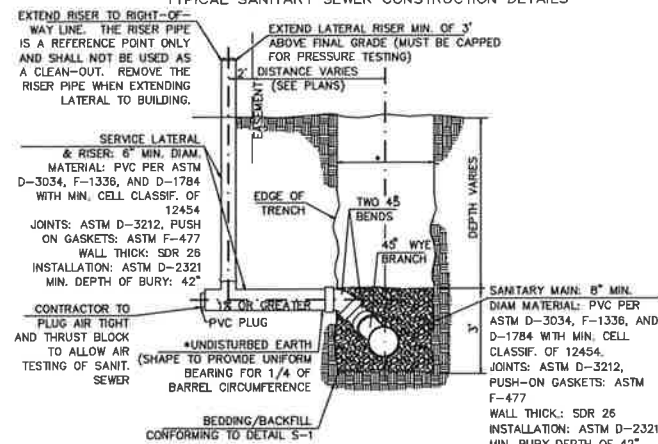
PAVED AREAS TRENCHING DETAILS



- BEDDING SANITARY SEWER**
CA-7, ALL LOCATIONS EXCEPT WHEN D < 6" CA-15 OR CA-16 SHALL BE USED. (INCIDENTAL TO THE COST OF PIPE) SANITARY SEWER FORCE MAIN CASE 1 EXCEPT WHEN ROCK IS ENCOUNTERED FA-6 SHALL BE USED.
- HAUNCHING SANITARY SEWER**
CA-7, ALL LOCATIONS EXCEPT WHEN D < 6" CA-15 OR CA-16 SHALL BE USED. (INCIDENTAL TO THE COST OF PIPE) SANITARY SEWER FORCE MAIN CASE 1 EXCEPT WHEN ROCK IS ENCOUNTERED FA-6 SHALL BE USED.
- INITIAL BACKFILL**
CASE 1 BACKFILL
- FINAL BACKFILL**
CASE 1 BACKFILL
- ALL CASE 1 BACKFILL SHALL BE EXCAVATED MATERIAL FREE OF ORGANICS, CLODS, ETC.

DETAIL S-1

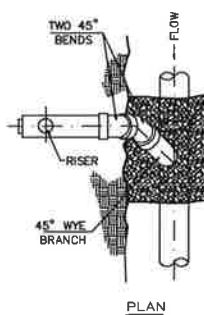
CITY OF WATERLOO
TYPICAL SANITARY SEWER CONSTRUCTION DETAILS



UTILIZE CA-7 FOR ALL BEDDING, HAUNCHING, AND INITIAL BACKFILL AND CA-7 BACKFILL WHERE THE EDGE OF THE TRENCH IS WITHIN TWO (2) FEET OF A PERMANENT SURFACE, INCLUDING DRIVEWAYS AND SIDEWALKS. USE CASE 1 BACKFILL FREE FROM ORGANICS AT ALL OTHER LOCATIONS.

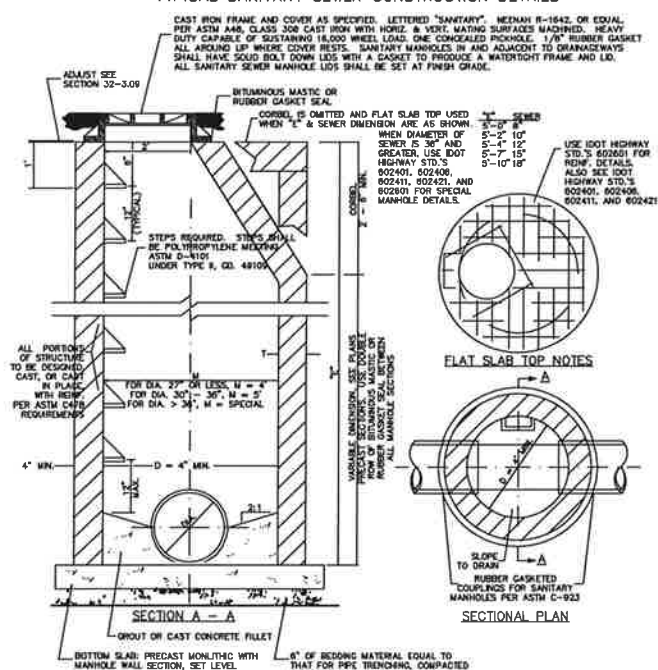
WYE BRANCH SERVICE CONNECTION:
8" x 8" x 8" PVC D-3034 MOLDED SADDLE TEE-45 DEG. WYES W/ GASKETED BRANCH CONFORMING TO ASTM 678 AND SOLVENT WELDED SKIRTS HELD IN PLACE W/ ALL STAINLESS STEEL ADJUSTABLE BAND CLAMPS. W/ MAIN MATERIAL OTHER THAN PVC, USE MECHANICALLY CUT HOLES AND SADDLES AS ABOVE, EXCEPT A NON-HARDENING GASKET, SILICONE CALKED IN PLACE SHALL BE USED.

SANITARY SEWER & SERVICE CONNECTION DETAIL



DETAIL S-3

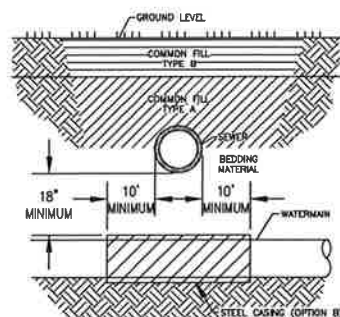
CITY OF WATERLOO
TYPICAL SANITARY SEWER CONSTRUCTION DETAILS



- NOTES:**
1. CONSTRUCTION AND INSTALLATION SHALL BE PER ILLINOIS STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN IN PRELIMINARY, CURRENT EDITION.
2. ONLY CAST-IN-PLACE OR PRECAST MANHOLES ARE ALLOWED DUE TO INFILTRATION. "Y" DIMENSION SHALL BE AS PER ASTM D478 AND DOT HIGHWAY STANDARDS. ALL CONCRETE AND CONSTRUCTION SHALL BE PER DOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
3. STD. SPECS. REFER TO "A" AS ONE WITHOUT FLAT SLAB TOP. "B" REFERS TO THOSE WITH SQUARE SECTION AROUND LARGE DIAMETER PIPE (36" & GREATER) AND "C" REFERS TO SHALLOW MANHOLES WITH FLAT SLAB TOP. THESE MANHOLES ARE HEREIN MODIFIED WITH REFERENCE TO THE STD. SPECS. FOR WATER & SEWER MAIN CONSTRUCTION AND THE DOT HIGHWAY STANDARDS. OR COLOR SECTIONS AROUND LARGE DIAMETER PIPE (PER DOT SPECIFICATIONS) REQUIRED RATHER THAN SQUARE SECTION OF THE STD. SPECS. FOR WATER & SEWER MAIN FOR TYPE "B".
4. ALL SANITARY SEWERS THAT COLLECT DEBRIS, SILT, MUD, CONCRETE, BUILDING SUPPLIES, ETC. SHALL BE SET CLEANED AND THE CLEANING SHALL BE THE SOLE COST AND RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR INSTALLING THE IMPROVEMENTS.
5. ALL SANITARY SEWER MANHOLES, VALVE VAULTS, AND LIFT STATIONS SHALL BE VACUUM TESTED PER ASTM D1244 CURRENT EDITION, EXCEPT THAT THE TEST HEAD SHALL BE PLACED ON TOP OF MANHOLE FRAMES AND NOT THE CONCRETE FOR THE TEST.

SANITARY MANHOLE DETAILS

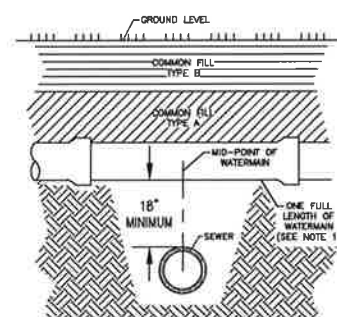
DETAIL S-2



- OPTION A - PRESSURE CLASS SEWER MAIN**
1) REPLACE EXISTING SEWER WITH A PRESSURE CLASS MAIN IN LIEU OF CASING THE WATER MAIN.
2) THE SEWER SHALL BE REPLACED A MINIMUM OF 10' EACH SIDE OF THE WATER MAIN.

- NOTES:**
1) FOLLOW TRENCH MATERIAL DETAIL WHEN BACK-FILLING WATER MAIN.
2) THE SELECTED OPTION MUST BE APPROVED BY AN IL-AMC REPRESENTATIVE.

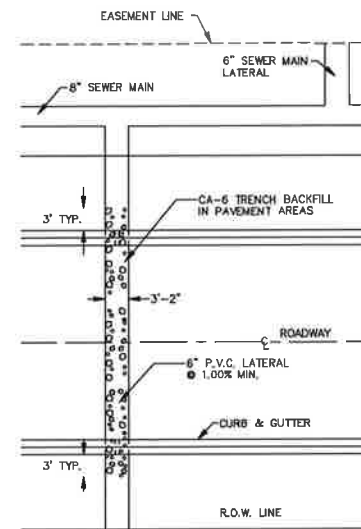
WATER MAIN CROSSING UNDER SEWER



- OPTION B - WATER INSTALLATION**
1) MID-POINT OF THE FULL LENGTH OF THE WATER MAIN IS TO BE CENTERED ABOVE SEWER LINE.
2) PROVIDE ADEQUATE SUPPORT FOR THE WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT.

- NOTES:**
1) FOLLOW TRENCH MATERIAL DETAIL WHEN BACK-FILLING WATER MAIN.
2) THE SELECTED OPTION MUST BE APPROVED BY AN IL-AMC REPRESENTATIVE.

WATER MAIN CROSSING OVER SEWER

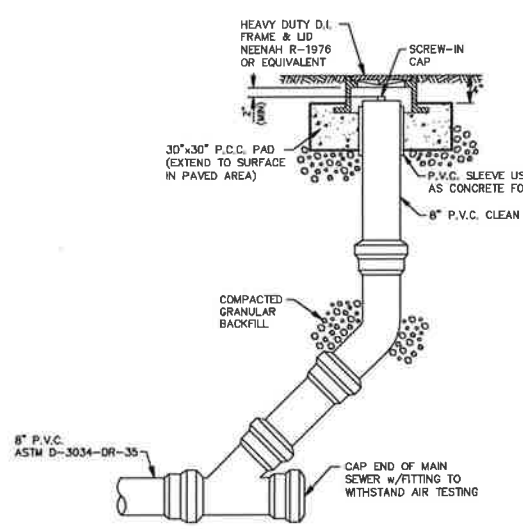


CONTRACTOR TO MAINTAIN AS-BUILT RECORD OF STATIONING OF LATERAL FROM DOWNSTREAM SEWER MANHOLE & DEPTH OF LATERAL & DISTANCE LEFT OR RIGHT FROM MAIN.

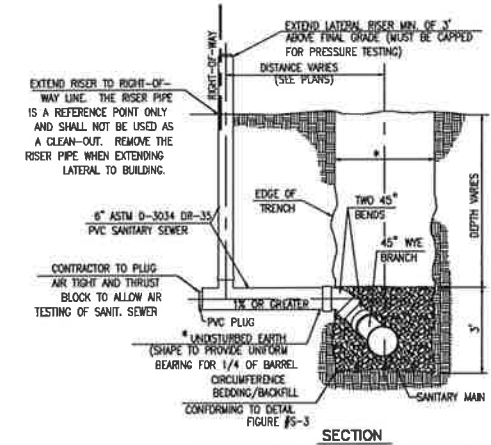
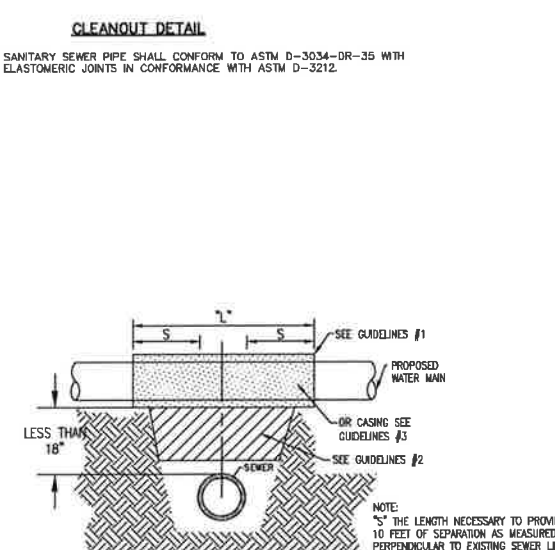
CONTRACTOR TO PLUG END TO WITHSTAND AIR TESTING PER STANDARD SPECS.

SEWER LATERAL DETAIL

SPECIFICATIONS: ALL WORK, INSTALLATION, MATERIALS, PROCEDURES, AND TESTING SHALL CONFORM TO THE LATEST EDITION OF THE ILLINOIS STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION.



SPECIFICATIONS: SANITARY SEWER PIPE SHALL CONFORM TO ASTM D-3034-DR-35 WITH ELASTOMERIC JOINTS IN CONFORMANCE WITH ASTM D-3212.



UTILIZE FA-6 FOR ALL BEDDING, HAUNCHING, AND INITIAL BACKFILL AND CA-6 BACKFILL WHERE THE EDGE OF THE TRENCH IS WITHIN TWO (2) FEET OF A PERMANENT SURFACE, INCLUDING DRIVEWAYS AND SIDEWALKS. USE CASE 1 BACKFILL FREE FROM ORGANICS AT ALL OTHER LOCATIONS.

TYPICAL SANITARY SEWER CONSTRUCTION DETAILS

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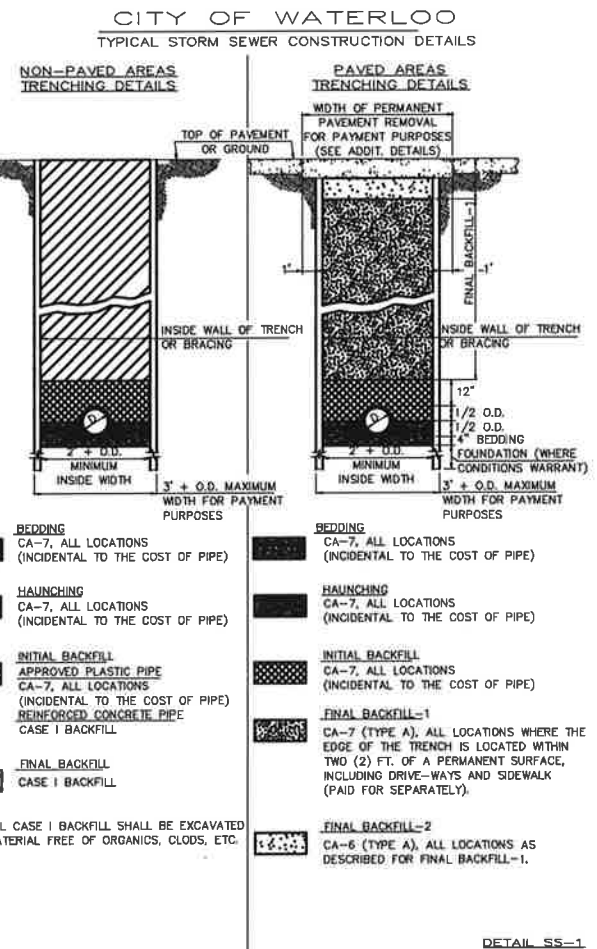
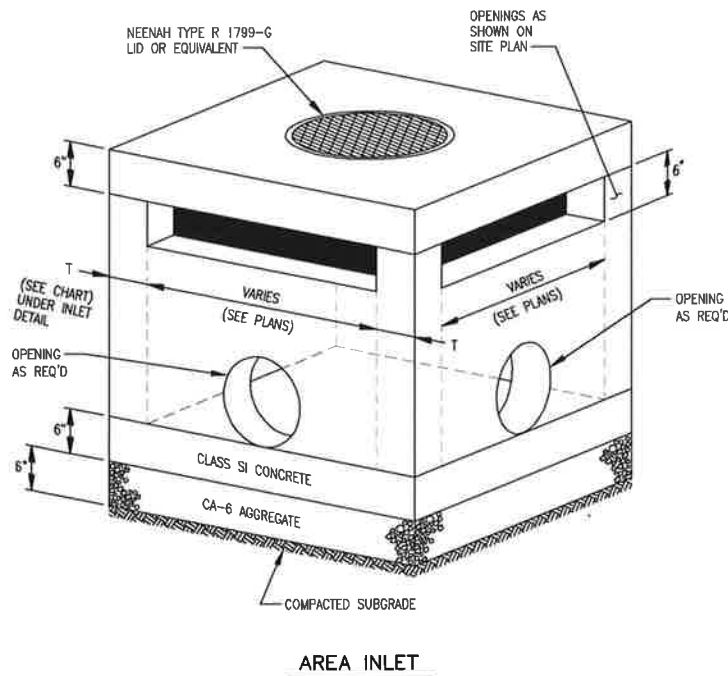
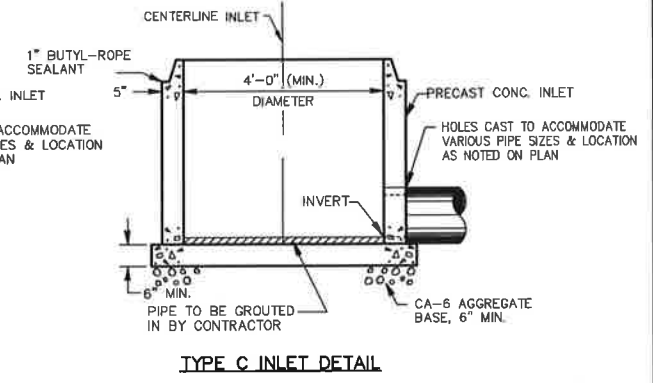
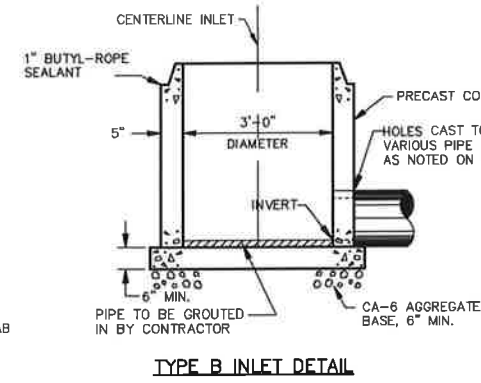
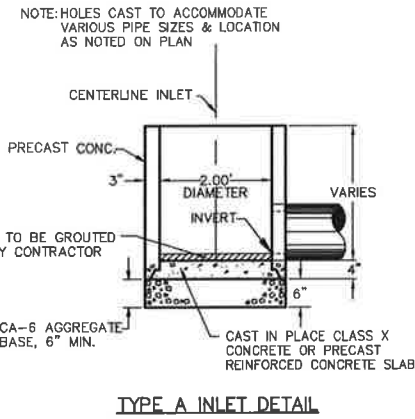
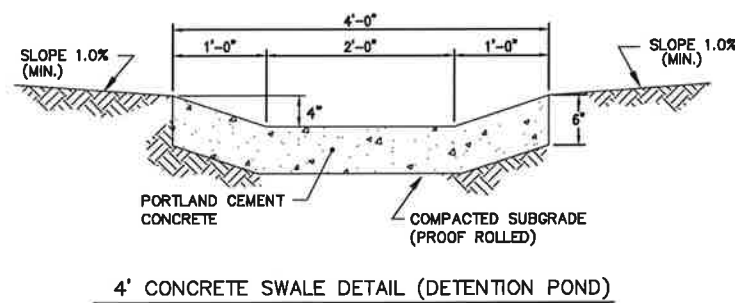
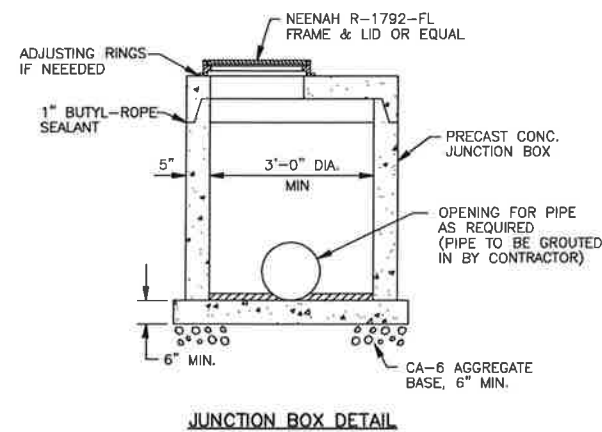
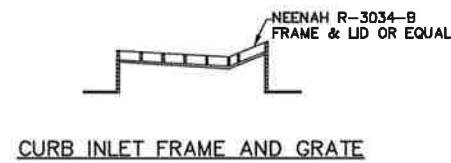
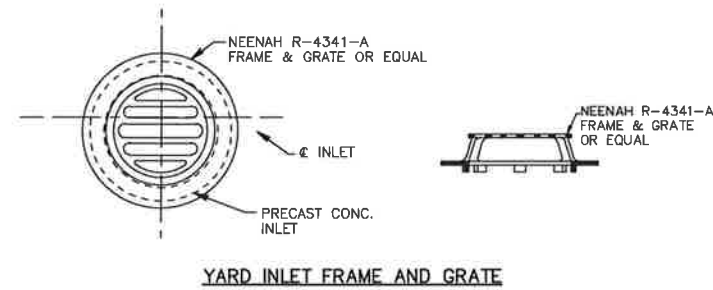
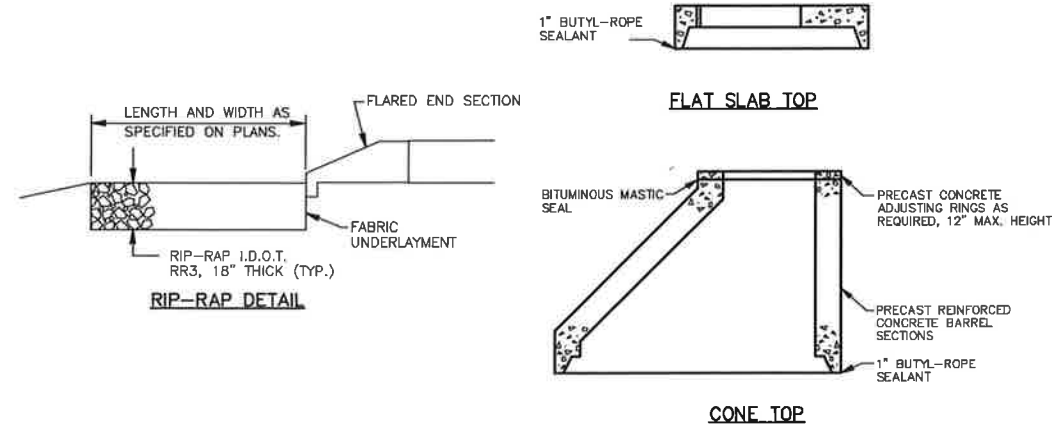
SANITARY SEWER DETAILS
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					OF 21 SHEETS
					SANITARY DETAILS

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STORM SEWER DETAILS

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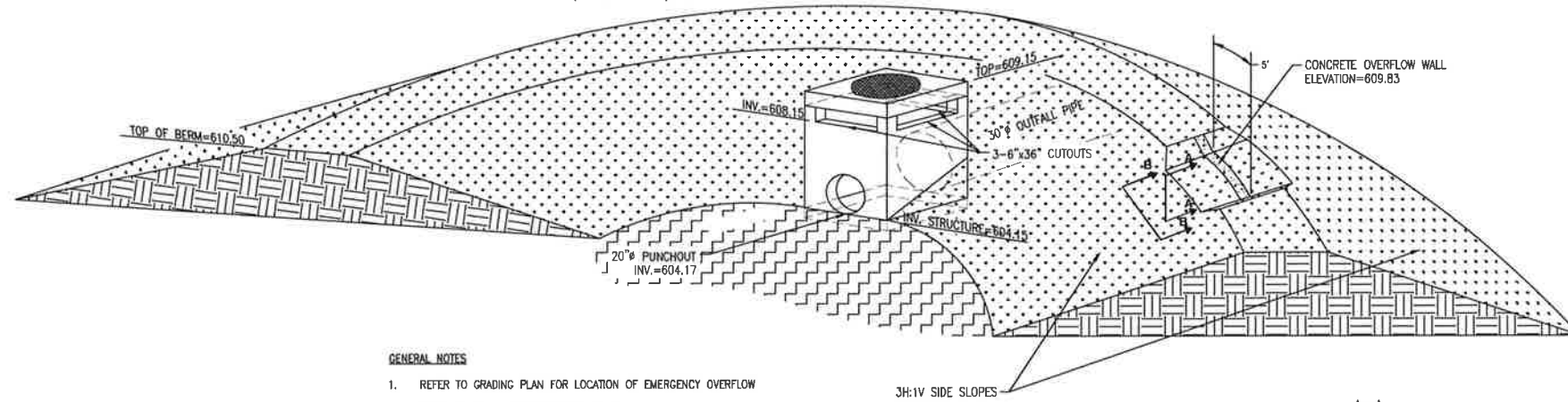
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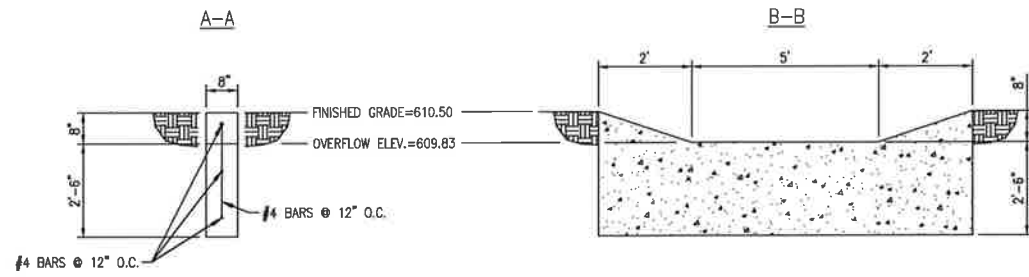
100-YEAR HIGH WATER ELEVATION=608.47
 FREEBOARD (TOP OF DAM)=2.03'
 FREEBOARD (EMER. OVERFLOW)=1.36'



GENERAL NOTES

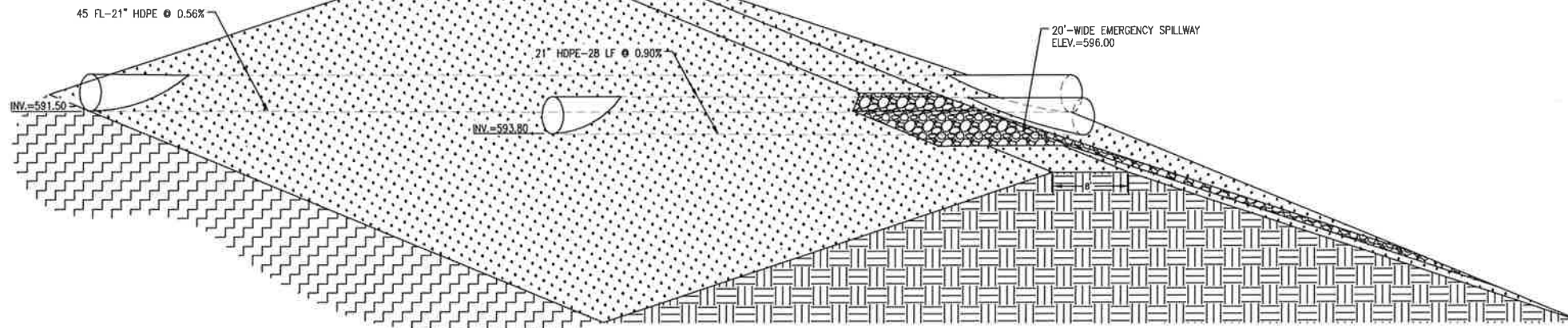
1. REFER TO GRADING PLAN FOR LOCATION OF EMERGENCY OVERFLOW
2. SLOPE OF DETENTION BASIN DAM SIDES
 WET SIDE - 3:1
 DRY SIDE - 3:1
3. ALL PIPES TO HAVE CONCRETE FLARED END SECTIONS AT OUTLET
4. RIPRAP DIMENSIONS SHOWN ON PROPOSED SITE PLAN

DETENTION POND #1A OUTLET



TOP OF BERM=597.00

100-YEAR HIGH WATER ELEVATION=595.29
 FREEBOARD=1.71'



GENERAL NOTES

1. REFER TO GRADING PLAN FOR LOCATION OF EMERGENCY OVERFLOW
2. SLOPE OF DETENTION BASIN DAM SIDES
 WET SIDE - 3:1
 DRY SIDE - 3:1
3. ALL PIPES TO HAVE CONCRETE FLARED END SECTIONS AT OUTLET
4. RIPRAP DIMENSIONS SHOWN ON PROPOSED SITE PLAN

DETENTION POND #2 OUTLET

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MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 006346

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Signature: _____
 Date: _____
 Expiration Date: _____

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TITLE: **STORMWATER DETENTION DETAILS**

PROJECT: **COUNTRY CLUB HILLS-PHASE II
 CITY OF WATERLOO
 MONROE COUNTY
 ILLINOIS**

REV	DATE	DESCRIPTION
△		
△		
△		

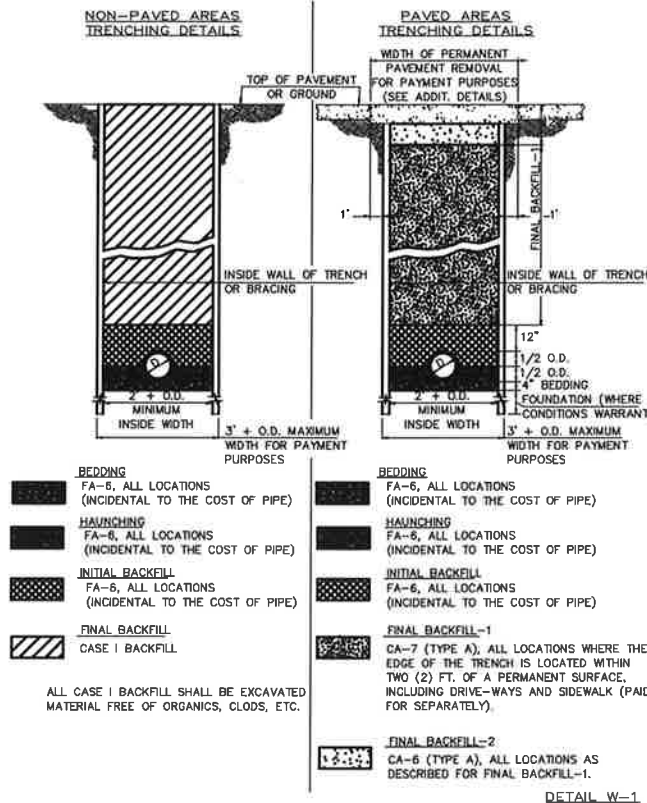
DRAWN BY: CDK	SHEET
DESIGNED BY: CDK	19
CHECKED BY: CDB	OF 21 SHEETS
APPROVED BY: CDB	DETENTION DETAILS
PROJECT NUMBER: D01160158	

- ISSUED FOR REVIEW
- ISSUED FOR BIDDING
- ISSUED FOR CONSTR.
- RECORD DRAWING

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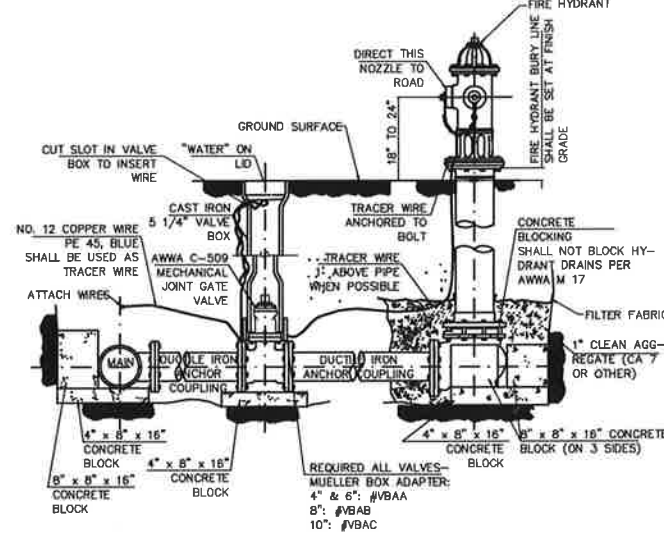
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CITY OF WATERLOO
TYPICAL WATER MAIN CONSTRUCTION DETAILS



DETAIL W-1

CITY OF WATERLOO
TYPICAL WATER MAIN CONSTRUCTION DETAILS

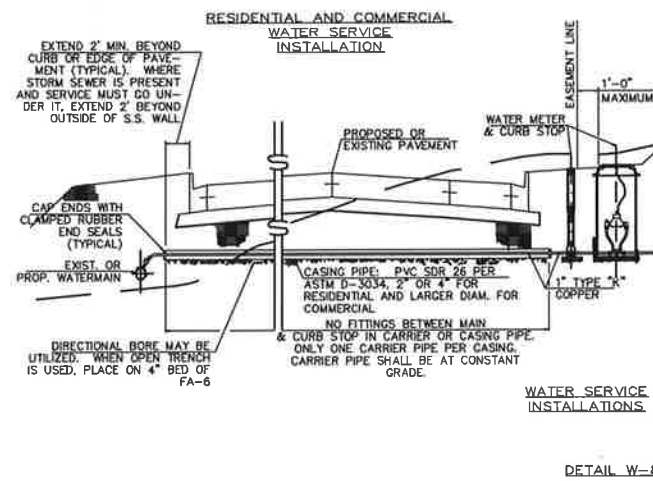


NOTES

- EXECUTION SHALL BE IN CONFORMANCE WITH THE LATEST EDITION OF THE 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 AWWA 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 RE-STRAINED JOINTS.
- ANCHOR COUPLINGS SHALL BE DUCTILE IRON - 6" 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/AWWA C111/A21.11. STANDARD T-BOLTS SHALL BE USED FOR ROUND HOLES IN FLANGES. ANTI-ROTATION (SQUARE NECK ON SHANK 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.

FIRE HYDRANT INSTALLATION
DETAIL W-3

CITY OF WATERLOO
TYPICAL WATER MAIN CONSTRUCTION DETAILS



DETAIL W-8

WATER MAINS
WATER MAINS SHALL BE CONSTRUCTED USING (8) INCH (AS SHOWN) PVC-AWWA C900, DR18 PIPE MATERIAL WITH ELASTOMERIC JOINTS IN CONFORMANCE WITH ASTM 3139.

FITTINGS
FITTINGS SHALL BE DUCTILE IRON, MECHANICAL JOINT AND CEMENT MORTAR LINED. FITTINGS SHALL BE IN ACCORDANCE WITH ANSI/AWWA C110/A21. CEMENT MORTAR LINING SHALL BE IN CONFORMANCE WITH ANSI/AWWA C104/A21.4. THE FITTINGS SHALL BE TAR-COATED IN CONFORMANCE WITH AWWA C151.

RUBBER GASKET JOINTS
JOINTS FOR PLASTIC PRESSURE PIPE USING FLEXIBLE ELASTOMERIC SEALS SHALL CONFORM WITH ASTM D3139. RUBBER GASKET JOINTS FOR DUCTILE IRON FITTINGS SHALL BE IN CONFORMANCE WITH ANSI/AWWA C111/A21.11.

GATE VALVES-MUELLER
GATE VALVES SHALL BE RESILIENT WEDGE, MECHANICAL JOINT PER AWWA C-509, #A-2360-20 WITH TYPE 304 STAINLESS STEEL BOLTS, OR EQUIVALENT AS APPROVED BY THE CITY OF WATERLOO.

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 AWWA NUT.

VALVE BOXES-MUELLER
CAST IRON VALVE BOX ADAPTORS SHALL BE INSTALLED OVER ALL VALVES TO FURNISH OPERATING ACCESS. THE MUELLER BOX ADAPTOR SHALL BE:
4" & 6"-#VBAA
8" - #VBAB
10" - #VBAC
OR EQUIVALENT AS APPROVED BY THE CITY OF WATERLOO. THE LIDS SHALL HAVE THE WORD "WATER" CAST IN THE LID.

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 AND A MARK 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 #12 SOLID COPPER PE45 BLUE TRACER WIRE (POLYETHYLENE COATED) AND SHALL BE CONNECTED TO ALL VALVES AND HYDRANTS. DIRECT BURY SPLICE (3M) SHALL BE USED. TURN OFF POWER BEFORE INSTALLING OR REMOVING CONNECTOR. ALL ELECTRICAL WORK SHOULD BE DONE ACCORDING TO APPROPRIATE ELECTRICAL CODES. 30 V MAXIMUM VOLTAGE.
WIRES SHALL BE STRIPPED 5/8" AND WIRE SHALL BE TWISTED TOGETHER. THE SCOTCHLOCK ELECTRICAL SPRING CONNECTOR SHALL BE APPLIED AND TWISTED IN A CLOCKWISE DIRECTION. THE SPLICE SHALL THEN BE INSERTED INTO THE GEL-FILLED INSULATOR TUBE. THE WIRES SHALL BE POSITIONED INTO CHANNELS AND SNAP INSULATOR TUBE COVER CLOSED.

FIRE HYDRANTS
ALL FIRE HYDRANTS FOR THIS PROJECT SHALL BE MUELLER SUPER CENTURION 250 MODEL A-423 FIRE HYDRANTS WITH APPURTENANCE SIX (6) INCH RESILIENT SEAT GATE VALVES IN ACCORDANCE WITH THE CITY OF WATERLOO REQUIREMENTS.

TESTING
IN CONFORMANCE WITH THE CITY OF WATERLOO REQUIREMENTS.

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.

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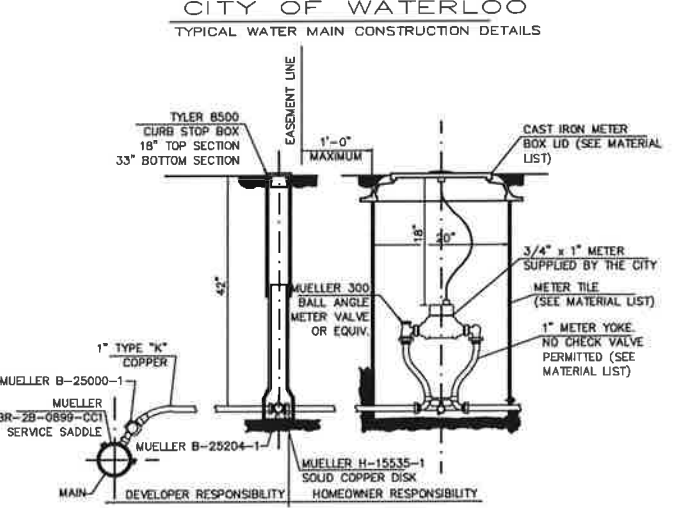
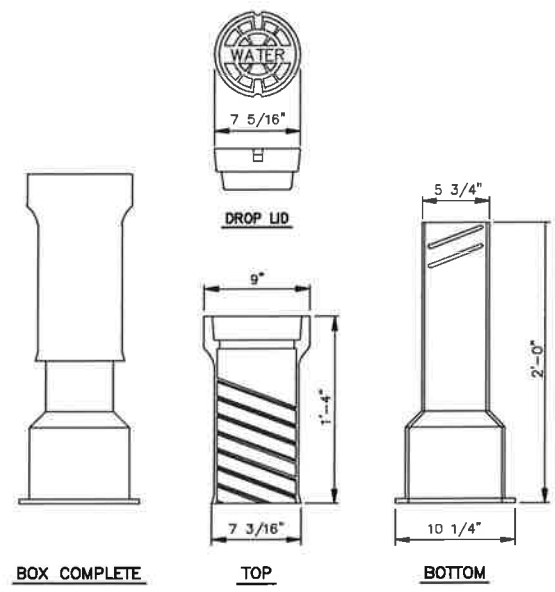
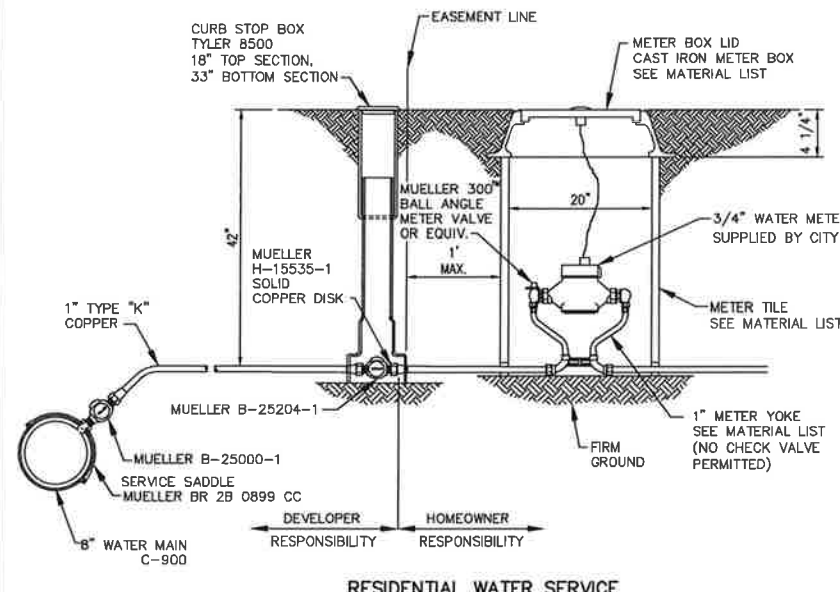


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 ILLINOIS PROF. LAND SURVEYING CORP. 048-000029
 MISSOURI PROFESSIONAL ENGR. CORP. NC 001620
 MISSOURI LAND SURVEYING CORP. NC 000346

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 Expiration Date: _____
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WATERMAIN DETAILS
 PROJECT:
 COUNTRY CLUB HILLS-PHASE II
 CITY OF WATERLOO
 MONROE COUNTY
 ILLINOIS



SINGLE METER PIT INSTALLATION

QTY.	ITEM#	DESCRIPTION
1	H10810-09	20 x 11 SINGLE HOLE TOUCH READ LID ASSY. LARGE NUT (MUELLER)
1		20 x 36 MID STATES PLASTIC METER TILE
1	B2404 (1")	1" x 12" METER YOKE WITH BALL VALVE
2	H14222 (1")	1" TP & NUT

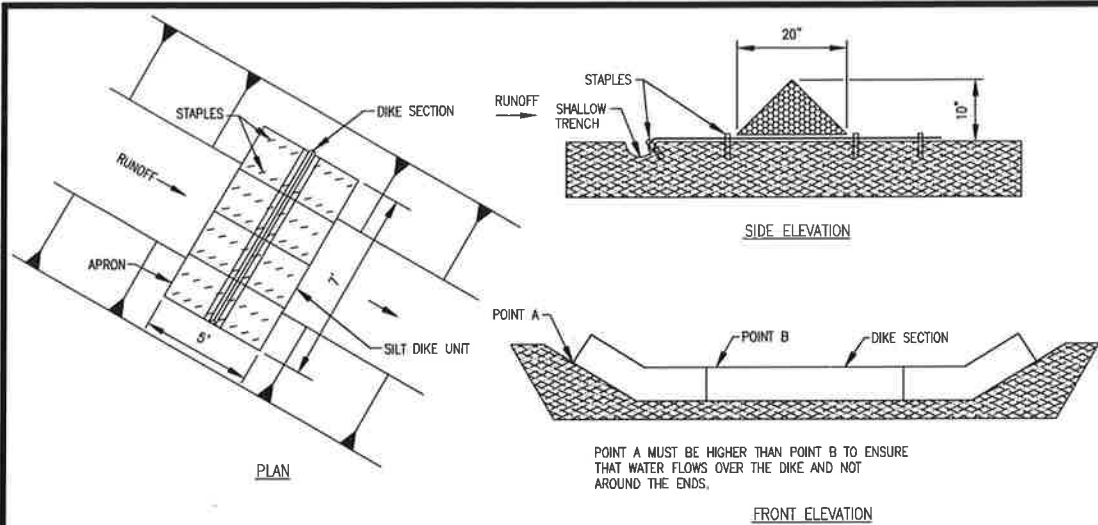
DOUBLE METER PIT INSTALLATION

QTY.	ITEM#	DESCRIPTION
1	H10810-10	20 x 11 SINGLE HOLE TOUCH READ LID ASSY. LARGE NUT (MUELLER)
1		24 x 36 MID STATES PLASTIC METER TILE
1		24 x 20 ADAPTER RING
1	B2404 (1")	1" x 12" METER YOKE WITH BALL VALVE
2	H14222 (1")	1" TP & NUT

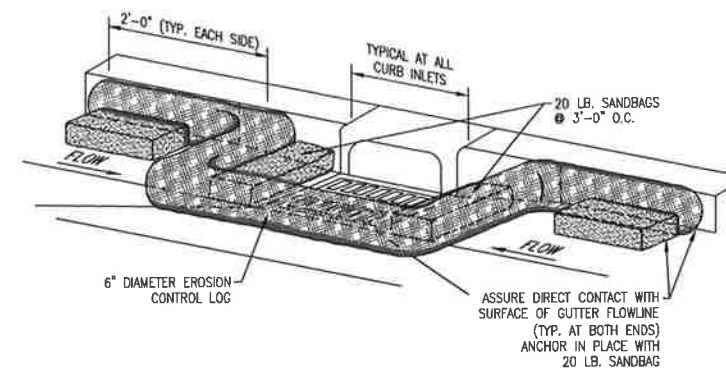
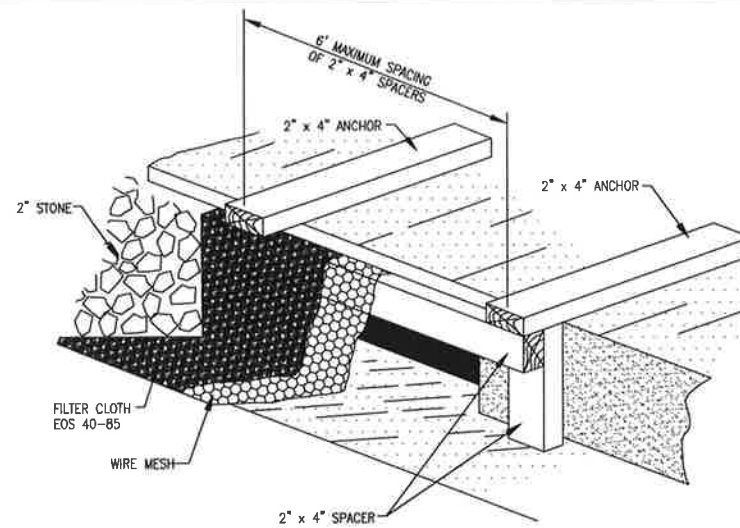
NOTES:
 1. WATER METERS SHALL BE 3/4" x 1" SENSUS SR TRPL 100 GALLON, 4WHL 5B, ROCKSYN CHAMBER CAST IRON BOTTOM, 6" SENSOR, & TBH PKG.
 2. THE CITY OF WATERLOO USES MUELLER PRODUCTS AND CAN NOT ACCEPT SUBSTITUTIONS.
 3. 3/4" WATER METERS WITH TOUCH READ WILL BE SUPPLIED AFTER THE PIT IS INSTALLED AND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

RESIDENTIAL WATER SERVICE INSTALLATION TYPICAL PRESSURES
DETAIL W-6

PRELIMINARY - NOT FOR CONSTRUCTION

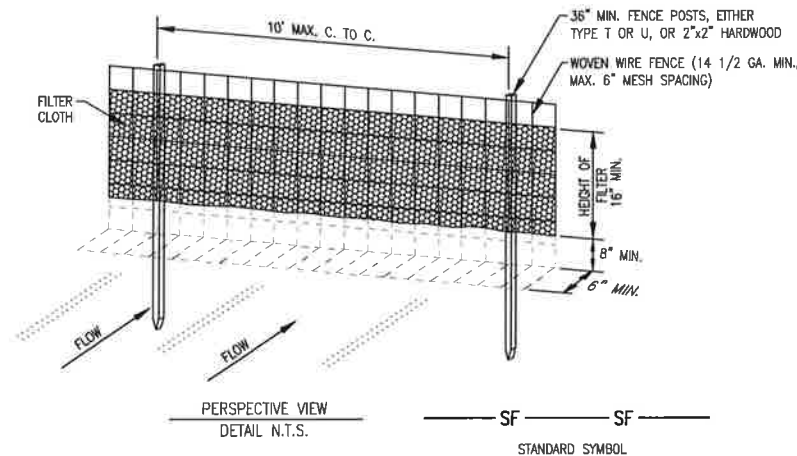


URETHANE FOAM/GEOTEXTILE DITCH CHECK

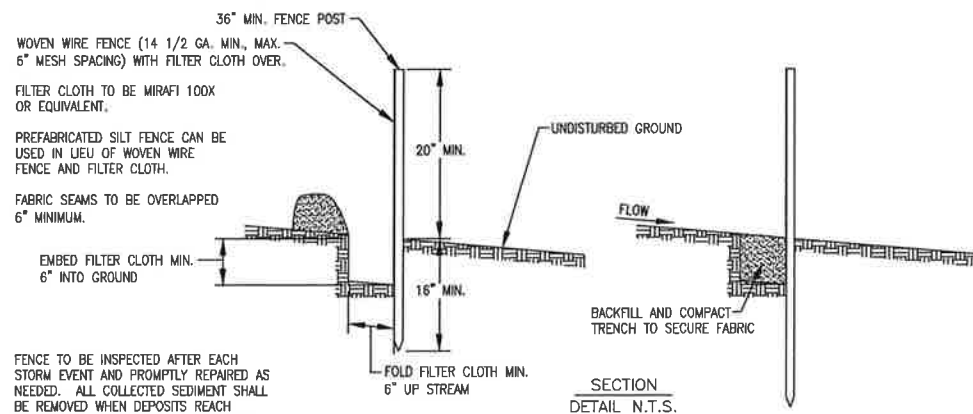
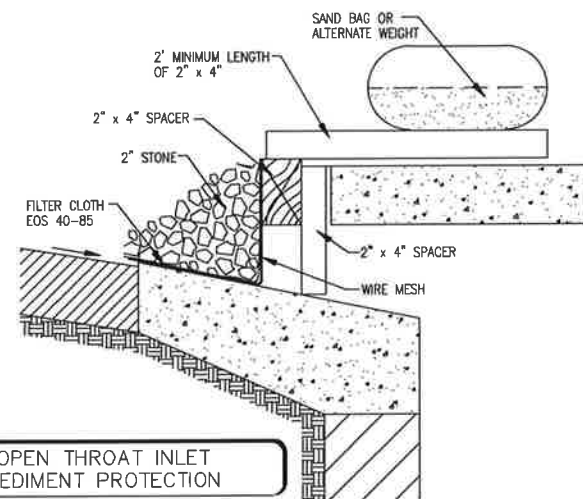


NOTES:
 EROSION CONTROL LOG CONTAINMENT MESH SHALL BE 100% BIODEGRADABLE, PHOTODEGRADABLE OR RECYCLABLE; AND FILL MATERIAL SHALL CONSIST OF MULCH, ASPEN EXCELSIOR FIBERS, CHIPPED SITE VEGETATION, COCONUT FIBERS, 100% RECYCLABLE FIBERS, OR ANY OTHER ACCEPTABLE MATERIAL EXCLUDING STRAW AND HAY.
 DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 2\"/>
 CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND IMMEDIATELY REMOVE THE INLET PROTECTIONS IF THE STORM WATER BEGINS TO OVERTOP THE CURB.
 INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.

CURB INLET PROTECTION



OPEN THROAT INLET SEDIMENT PROTECTION

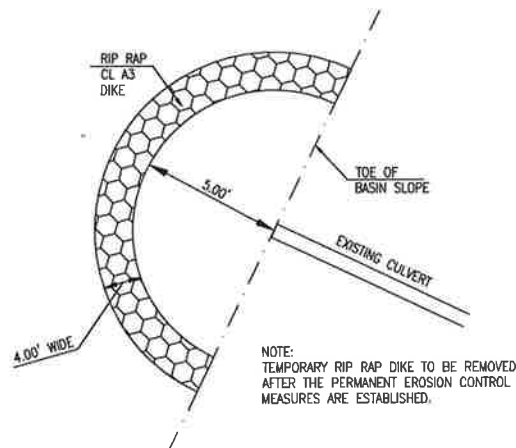


SILT FENCE

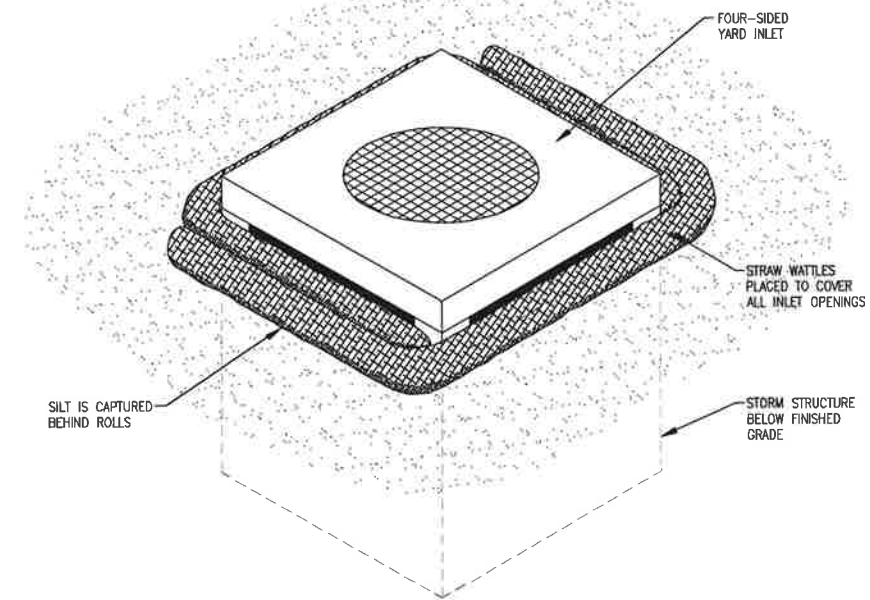
SILT FENCING MAY BE UTILIZED SUBJECT TO THE FOLLOWING CONDITIONS:
 1. MAXIMUM ALLOWABLE SLOPE LENGTHS CONTRIBUTING RUNOFF TO A SILT FENCE SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

SLOPE STEEPNESS	MAXIMUM SLOPE LENGTH (FT.)
2H:1V	50
3H:1V	75
4H:1V	125
5H:1V	175
FLATTER THAN 5H:1V	200

2. MAXIMUM DRAINAGE AREA FOR OVERLAND FLOW TO A SILT FENCE SHALL NOT EXCEED 0.5 ACRES PER 100 FEET OF FENCE.



TEMPORARY SEDIMENT TRAP



NOTES:
 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. FIBER ROLLS SHOULD BE INSPECTED AFTER EVERY SIGNIFICANT STORM EVENT TO CLEAR AND DISPOSE OF SEDIMENT AND DEBRIS.
 SPECIFICATIONS:
 WATTLES SHALL BE A STRAW-FILLED TUBE OF FLEXIBLE NETTING MATERIAL. IT SHALL BE A MACHINE PRODUCED TUBE OF COMPACTED RICE STRAW THAT IS CERTIFIED WEED FREE FORAGE, BY A MANUFACTURER WHOSE PRINCIPAL BUSINESS IS WATTLE MANUFACTURING. THE NETTING SHALL CONSIST OF SEAMLESS, HIGH DENSITY POLYETHYLENE, AND ETHYL VINYL ACETATE AND CONTAIN ULTRAVIOLET LIGHT INHIBITORS. THE WATTLE SHALL HAVE A MINIMUM MASS PER UNIT WEIGHT OF 1.6 LBS./FT., A MINIMUM DIAMETER OF 8.0 - 9.0 INCHES, A MINIMUM NET STRAND THICKNESS OF 0.03 INCHES, A MINIMUM NET KNOT THICKNESS OF 0.055 INCHES AND A MINIMUM NETTING UNIT WEIGHT OF 0.35 OUNCES/FOOT. THE SEDIMENT RETENTION CAPACITY OF THE WATTLE SHALL BE 30 LBS./FOOT. FIBRE CONTENT SHALL BE 100 PERCENT CERTIFIED RICE STRAW WITH A MINIMUM LENGTH OF 3.0.

AREA INLET SEDIMENT PROTECTION

PRELIMINARY - NOT FOR CONSTRUCTION

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EROSION CONTROL DETAILS
 PROJECT: COUNTRY CLUB HILLS-PHASE II
 CITY OF WATERLOO
 MONROE COUNTY
 ILLINOIS

REV	DATE	DESCRIPTION

DRAWN BY: CDK	CHECKED BY: CDK	APPROVED BY: CDB	PROJECT NUMBER: D01160158	SHEET: 21
				OF 21 SHEETS
				EC DETAILS

- ISSUED FOR REVIEW
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- ISSUED FOR CONSTR.
- RECORD DRAWING

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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Consideration and Action on Approval of the Final Plat for Waterloo Commons
Lot No. 15.

3. Relief or action to be requested:
Approval.

4. Submittal date: 04-11-17

Submitted by:
Jim Nagel, Subdivision & Zoning Administrator

DISPOSITION

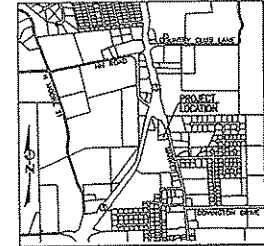
5. _____ Matter to be placed on agenda for meeting date requested.
_____ Matter to be placed on agenda for meeting to be held on _____
_____ Matter referred to _____



Mayor

FINAL PLAT FOR WATERLOO COMMONS LOT 15

PART OF TAX LOT 8-A OF U.S. SURVEY 641, CLAIM 1645,
TOWNSHIP 2 SOUTH, RANGE 10 WEST, 3RD P.M.,
CITY OF WATERLOO, MONROE COUNTY, ILLINOIS



**THOUVENOT,
WADE &
MOERCHEN, INC.**
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FAX (636) 724-8304

I, THE UNDERSIGNED COUNTY CLERK OF MONROE COUNTY, ILLINOIS, DO HEREBY CERTIFY THAT I HAVE EXAMINED THE ACCOMPANYING PLAT AND THAT I HAVE SEARCHED THE RECORDS OF MY OFFICE TO ASCERTAIN WHETHER ALL REQUIRED TAXES OR SPECIAL ASSESSMENTS HAVE BEEN PAID AS PROVIDED BY THE STATUTES UPON ALL OF THE PROPERTY DESCRIBED WITHIN THIS PLAT, AND I HEREBY CERTIFY THAT I FIND NO REASONABLE TAX DUES OR SPECIAL ASSESSMENTS DUE AGAINST ANY OF THE REAL ESTATE DESCRIBED IN THIS PLAT AND I HEREBY APPROVE THE SAID TAX ASSESSMENT PURPOSES.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL ON THIS _____ DAY OF _____ 2017.

OWNERS / SUBDIVIDER
SM PROPERTIES WATERLOO L.L.C.
25 N. BROADWOOD BLVD.
ST. LOUIS, MO. 63105

SUBDIVIDER
THOUVENOT, WADE & MOERCHEN, INC.
CORPORATE OFFICE
4940 OLD COLLINGSVILLE ROAD
SHAWNEE, IL 62226
(618) 624-4405

APPROVED AND ACCEPTED THIS _____ DAY OF _____ 2017 BY THE CITY COUNCIL OF WATERLOO. THE CITY DOES NOT ASSUME ANY LIABILITY FOR DRAINAGE FACILITIES PROPOSED OR CONSTRUCTED. THE CITY REVENUE DRAINAGE PLANS BUT CANNOT, ON BEHALF OF ANY APPROVED OWNER OR DEVELOPER, GUARANTEE THAT FINAL DRAINAGE DESIGN REVIEW AND APPROVAL BY THE CITY WILL RELIABLY SAVE PERSONS, HIS SUCCESSORS AND ASSIGNS FROM LIABILITY DUE TO IMPROPER DESIGN. CITY APPROVAL OF FINAL PLAT DOES NOT IMPLY APPROVAL OF THE DRAINAGE DESIGN WITH THIS PLAT.

MAYOR _____ CITY CLERK _____

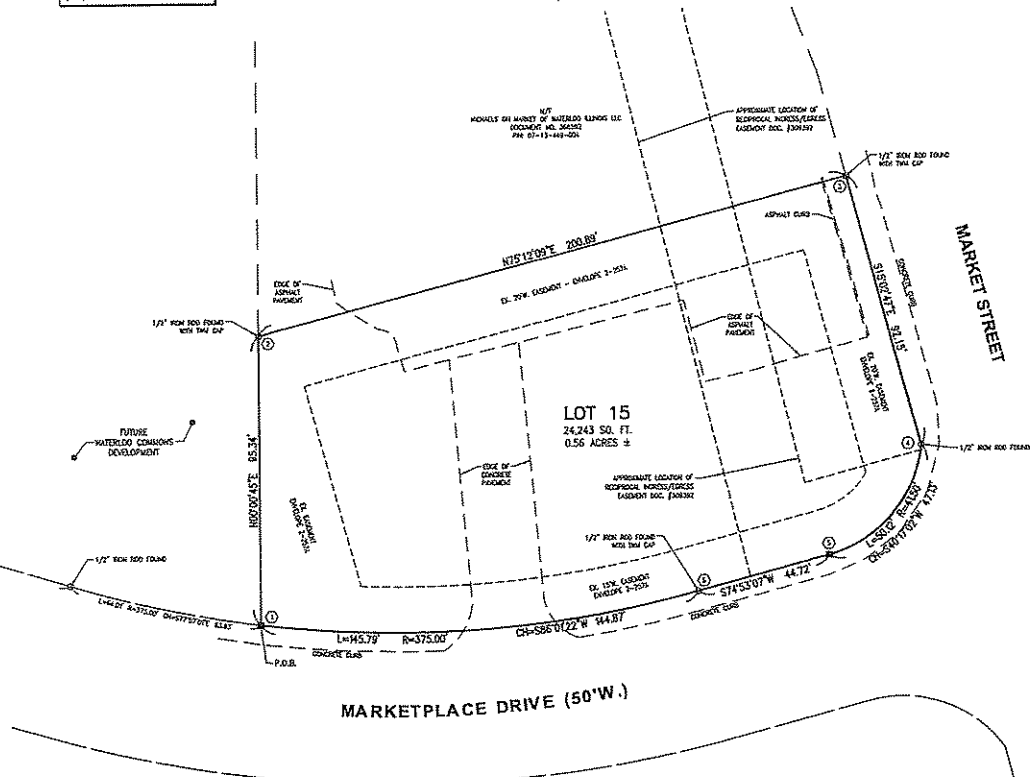
APPROVED AND ACCEPTED THIS _____ DAY OF _____ 2017.

MONROE COUNTY - 811 CODEBOOKER

DRAINAGE REPORT

CORPORATION BY THE OWNERS AND OWNER'S ENGINEER ACKNOWLEDGING THAT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF THE DRAINAGE OF SURFACE WATERS WILL NOT BE CHANGED BY THE CONSTRUCTION OF SUCH SUBDIVISION OR ANY PART THEREOF, OR THAT IF SUCH SURFACE WATER DRAINAGE WILL BE CHANGED, REASONABLE PROVISIONS SHALL BE MADE FOR COLLECTION AND OVERFLOW OF SUCH SURFACE WATERS AND PUBLIC WELLS, OR BRACKS WHICH THE SUBDIVIDER HAS A RIGHT TO USE, AND THAT SUCH SURFACE WATERS WILL BE PREVENTED FROM BEING ACCUMULATED THEREON UNLESS SUCH ACCUMULATION PROCEEDS SO AS TO REDUCE THE LIQUIDITY OF BLOOD TO THE EXISTING PROPERTY BECAUSE OF THE CONSTRUCTION OF THE SUBDIVISION.

OWNER _____ DATE _____
DATE SEALED _____
LICENSE EXPIRES: 11/30/17



- UTILE SURVEYOR'S NOTES**
1. Located on spot-survey notes or shown on this plat, the survey monument is marked with the letter which may be applicable in the subject real estate, including, but not limited to, land, building, easement, subdivision, partition, joint or other land-use regulations, and any other notes which are recorded and marked the survey may disclose.
 2. Only the report documents used herein were provided to or disclosed by the surveyor.
 3. There may be structures and improvements located on the tract which are not shown herein.
 4. An intention to make governing subdivision conditions, or the existence or nonexistence of underground or overhead conditions, or facilities which may affect the use or enjoyment of this tract, (underground and surface conditions were not obtained as a part of this survey).
 5. Underground utilities may exist within the limits of this tract. The location of these utilities need not within the scope of work to be completed by the surveyor.

1/2" = 30' HORIZ. SCALES WITH CAP AT ALL LOT CORNERS AND ENDS OF CURVES UNLESS OTHERWISE NOTED.

ALL EASEMENTS SHOWN ARE FOR DRAINAGE AND UTILITY, EXCEPT WHERE NOTED OTHERWISE.

SITE BOUNDARIES CUT OFF BY ROAD INTERSECTION OF COURTESY OF HANSEN AVE AND DUNDAS AVE, BEARING 255.45° (NORTHING DATA IN U.S. FEET)

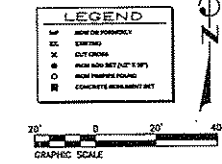
STATE CLASSIFICATION: B-3

AREA SURVEYED:
AREA IN LOT 15 = 24,243 SQ. FT. (0.56 ACRES)

NOTE: THE BASIS OF BEARING FOR THIS SUBDIVISION IS AN ASSUMED LOCAL BEARING (LAST GREAT MERIDIAN). THE COORDINATE VALUES SHOWN FOR THE CORNERS OF THE SUBDIVISION ARE IN U.S. DATUM. LOCAL STATE PLANE COORDINATES, ILLINOIS WEST ZONE PER ORDINANCE #1178.

THE GRID BASE POINT USED IS NORTING: 514792.559, EASTING: 2300278.071
SCALE FACTOR: 0.99991335

YES TO WATERLOO REFERENCE MONUMENTS:
506 BEARING & DISTANCE FROM:
#1 TO CITY MONUMENT #5061
522°56'44"E 58.81'
#5 TO CITY MONUMENT #5061
531°48'21"W 107.28'



I, MARK E. SCHWAB, PRESIDENT OF THE DEED GROUP, INC., SOLE MANAGER OF SM PROPERTIES WATERLOO L.L.C., OWNER IN FEE OF ALL PROPERTY DESCRIBED WITHIN THIS PLAT, ACKNOWLEDGING THE PLAT TO BE TRUE, FREE AND VOLUNTARILY ACT, THE BEARING LINES SHOWN THEREON WILL BE FURNISHED TO ALL FUTURE OWNERS OF LOTS IN THE SUBDIVISION. FURNISHING THE EXTENT OF A FINAL PLAT BY THE OWNER IN FEE SHALL ALSO BE REPRESENTATION AND WARRANTY BY THE OWNER IN FEE THAT THE PLAT IS TRUE AND CORRECT IN ALL RESPECTS AND THAT THE OWNER IN FEE WILL FOREVER PROTECT AND DEFEND AGAINST THE CITY AND PUBLIC UTILITY OR OTHER PERSON OR ENTITY BENEFITING BY ANY EASEMENTS OR RIGHTS-IN-FEE OTHER THAN THE RIGHT TO TAKE CLAIM, INCLUDING ANY ATTORNEY OR PROFESSIONAL FEE INCURRED AS A RESULT OF RELEASE UPON SUCH PLAT.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL ON THIS _____ DAY OF _____ 2017.

SM PROPERTIES WATERLOO L.L.C.,
A MONROE LIMITED LIABILITY COMPANY
BY THE DEED GROUP, INC., SOLE MANAGER

BY: _____
MARK E. SCHWAB, PRESIDENT

STATE OF MISSOURI }
COUNTY OF ST. LOUIS }

I, THE UNDERSIGNED A NOTARY PUBLIC IN AND FOR THE STATE AND COUNTY AFORESAID, DO HEREBY CERTIFY THAT MARK E. SCHWAB, BEING PERSONALLY KNOWN TO ME TO BE THE PRESIDENT OF THE DEED GROUP, INC., A MONROE CORPORATION, THE SOLE MANAGER OF SM PROPERTIES WATERLOO L.L.C., DO ACKNOWLEDGE THAT HE DO SO IN THE FOREGOING INSTRUMENT AS THE FREE AND SOLE OWNER FOR THE PURPOSES SET FORTH THEREON.

GIVEN UNDER MY HAND AND NATURAL SEAL ON THIS _____ DAY OF _____ 2017.

NOTARY PUBLIC _____

STATE PLATE VALUES (IN FEET)

	NOTHING	DATING
1	614523.56	2300564.21
2	614618.89	2300565.16
3	614648.31	2300561.85
4	614579.10	2300782.81
5	614543.45	2300782.59
6	614532.21	2300708.81

DESCRIPTION

PART OF TAX LOT 8-A OF U.S. SURVEY 641, CLAIM 1645 AS SHOWN ON PAGE 115 OF THE SURVEYOR'S OFFICIAL PLAT RECORD #1 IN THE MONROE COUNTY RECORDS, ALL IN CONFORMITY TO THE SAID PLAT, BEING TO THE WEST OF THE SAID COMMONS, WATERLOO COMMONS, ILLINOIS, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

CONSIDERING THAT THE SUBDIVISION OF WATERLOO COMMONS LOT 15, WATERLOO COMMONS INTO THE PLAT PROPERTY IN THE MONROE COUNTY RECORDS OFFICE IN CHARLOTTE 3-2-2016, BEING ON THE NORTHERN BOUNDARY OF THE LINE OF SUBDIVISION BEING TAKEN ON SAID WATERLOO COMMONS LOT 15, BEING THE FOLLOWING: (1) A PLATED BEARING OF 522°56'44" TO BEARING 5061 MONUMENT #5061, BEING 58.81 FEET; (2) A PLATED BEARING OF 531°48'21" TO BEARING 5061 MONUMENT #5061, BEING 107.28 FEET; (3) A PLATED BEARING OF 506°56'44" TO BEARING 5061 MONUMENT #5061, BEING 58.81 FEET; (4) A PLATED BEARING OF 531°48'21" TO BEARING 5061 MONUMENT #5061, BEING 107.28 FEET; (5) A PLATED BEARING OF 506°56'44" TO BEARING 5061 MONUMENT #5061, BEING 58.81 FEET; (6) A PLATED BEARING OF 531°48'21" TO BEARING 5061 MONUMENT #5061, BEING 107.28 FEET; (7) A PLATED BEARING OF 506°56'44" TO BEARING 5061 MONUMENT #5061, BEING 58.81 FEET; (8) A PLATED BEARING OF 531°48'21" TO BEARING 5061 MONUMENT #5061, BEING 107.28 FEET; (9) A PLATED BEARING OF 506°56'44" TO BEARING 5061 MONUMENT #5061, BEING 58.81 FEET; 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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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Consideration and Action on Approval of the Reappointment of Mr. Dan Kennedy
as Secretary/Treasurer to the Waterloo Cemetery Board for a Three-Year Term to
Expire 04-01-20.

3. Relief or action to be requested:
Approval.

4. Submittal date: 04-12-17

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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Consideration and Action on Approval of the Reappointment of Ms. Jean Jung as
Trustee to the Waterloo Cemetery Board for a Three-Year Term to Expire
04-01-20.

3. Relief or action to be requested:
Approval.

4. Submittal date: 04-12-17

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:
April 17, 2017
(Date)

2. Description of matter to be placed on agenda:
Consideration and Action on Approval of Henke Excavating, Inc. as Low Bidder
in the Amount of \$89,219.00 for the 2017 Street, Curb & Sidewalk Improvement
Program as Opened on April 12, 2017 at 2:00 p.m.

3. Relief or action to be requested:
Approval.

4. Submittal date: 04-13-17

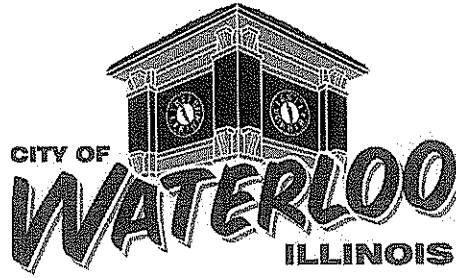
Submitted by:
Tim Birk, Director of Public Works

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, IL – BID OPENING RESULTS

NAME OF PROJECT: 2017 STREET, CURB & SIDEWALK IMPROVEMENT PROGRAM

BID OPENING DATE: APRIL 12, 2017

<u>NAME OF BIDDER:</u>	<u>AMOUNT OF BID:</u>
1. Baxmeyer Construction	1. \$126,558.55
2. Huebner Concrete	2. \$ 89,811.50
3. Henke Excavating	3. \$ 89,219.00

City of Waterloo Sidewalk Improvement Programs

4" Concrete Sidewalk Replacement (LESS than 100 sq. ft.)

2007	\$5.40	2008	\$5.00	2014	\$4.08
2006	\$5.40	2009	\$5.02	2015	\$3.63
2005	\$5.40	2010	\$4.45	2016	\$3.45
2004	\$5.40	2011	\$4.30	2017	\$3.62
2003	\$5.62	2012	\$5.90		
2002	\$5.62	2013	\$4.50		

4" Concrete Sidewalk Replacement (GREATER than 100 sq. ft.)

2007	\$4.35	2008	\$4.13	2014	\$3.10
2006	\$4.50	2009	\$3.88	2015	\$2.76
2005	\$4.35	2010	\$3.40	2016	\$2.62
2004	\$4.28	2011	\$3.60	2017	\$2.75
2003	\$4.50	2012	\$5.25		
2002	\$4.50	2013	\$3.40		

6" Concrete Sidewalk Replacement (LESS than 100 sq. ft.)

2007	\$5.40	2008	\$5.00	2014	\$4.08
2006	\$5.40	2009	\$5.02	2015	\$3.63
2005	\$5.40	2010	\$4.45	2016	\$3.45
2004	\$5.40	2011	\$4.30	2017	\$3.62
2003	\$5.62	2012	\$5.96		
2002	\$5.62	2013	\$4.50		

6" Concrete Sidewalk Replacement (GREATER than 100 sq. ft.)

2007	\$4.35	2008	\$4.13	2014	\$3.10
2006	\$4.50	2009	\$3.88	2015	\$2.76
2005	\$4.35	2010	\$3.40	2016	\$2.62
2004	\$4.28	2011	\$3.60	2017	\$2.75
2003	\$4.50	2012	\$5.25		
2002	\$4.50	2013	\$3.40		

Curb & Gutter Replacement

Per Foot

2007	\$19.68	<u>Less Than 250 Lin Ft.</u>				<u>Greater Than 250 Lin. Ft.</u>			
2006	\$23.50	2008	\$21.00	2016	\$13.30	2008	\$18.70	2016	\$12.02
2005	\$22.50	2009	\$16.98	2017	\$13.65	2009	\$13.87	2017	\$12.00
2004	\$22.50	2010	\$15.10			2010	\$12.30		
2003	No Bid	2011	\$18.00			2011	\$13.00		
2002	\$23.00	2012	\$25.25			2012	\$19.50		
		2013	\$20.00			2013	\$15.50		
		2014	\$17.80			2014	\$13.75		
		2015	\$14.00			2015	\$12.65		

Concrete Slab Replacement

Per Sq. Ft.

2007	\$4.45	2008	\$4.25	2014	\$2.59
2006	\$4.60	2009	\$3.85	2015	\$2.38
2005	\$4.20	2010	\$3.40	2016	\$2.10
2004	\$3.90	2011	\$3.29	2017	\$2.21
2003	No Bid	2012	\$4.40		
2002	\$5.10	2013	\$2.92		

Detectable Warnings

2011	\$ 60.00	2013	\$ 50.00	2015	\$99.00	2017	\$70.00
2012	\$150.00	2014	\$ 99.00	2016	\$70.00		