



MEETING	DATE	TIME	LOCATION
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Town Board	Tuesday, March 1, 2016	Follows Sanitary District Meeting	Grand Chute Town Hall Board Room 1900 Grand Chute Blvd
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A. CALL TO ORDER/ROLL CALL

B. APPROVAL OF AGENDA/ORDER OF THE DAY

C. PUBLIC INPUT

Members of the public are welcome to address the Commission and Town Board. Individuals wishing to speak on an item (whether on the agenda or not) must sign in prior to the start of the meeting and may speak during the Public Input segment of the meeting. This segment is placed early in the agenda so that the public may make their comments prior to any discussion or action by the Commission or Town Board. Individual comments are limited to no more than three minutes each. The Public Input section is limited to a total of 15 minutes. The Commission/Town Board may suspend this rule if deemed necessary. Once the public input segment ends there will be no additional discussion from the audience. Note regarding non-agendized Town related matters: Pursuant to WI Statutes 19.83(2) and 19.84(2), the public may present matters; however, they cannot be discussed or acted upon until specific notice of the subject matter of the proposed action can be given

D. CONSENT AGENDA

(Items on the Consent Agenda are routine in nature and require one motion to approve all items listed. Prior to voting on the Consent Agenda, items on the Consent Agenda may be removed at the request of any Supervisor and addressed immediately following the motion to approve the other items on the Consent Agenda.)

1. Approval of Regular Meeting minutes – February 18, 2016
2. Licensing: *(applications on file in the clerk's office)(License Committee recommends approval)*
  - a. Operator Licenses:
    - 1) Applications to expire: 2017 dated 2/12/16 & 2/22/16
  - b. Special Event Permits:
    - 1) St. Francis Xavier Catholic School System, Fundraiser Bike Ride, 4351 W. College Avenue, May 1, 2016 from 6:00 a.m. – Noon, Conditions: Provide certificate of insurance naming the Town as additional insured.
    - 2) FVTC Auto Collision Club, Car Show at Fox Valley Technical College on May 21, 2016 from 8:00 a.m. – 3:00 p.m.
    - 3) Lammi Sports, Annual Softball Game at Fox Cities Stadium on June 12, 2016 from Noon – 3:00 p.m. Conditions: Payment for Town services in advance of permit issuance.
    - 4) Pacesetters of the Fox Valley, 5K Run/Walk Kids Run at Timber Rattlers Stadium on April 2, 2016 from 8:00 a.m. – 10:00 a.m., Conditions: Provide certificate of insurance naming the Town as additional insured.
    - 5) Wisconsin Timber Rattlers to host a concert on July 28, 2016 from 6:00 p.m. to 10:30 p.m. Conditions: Payment for Town services in advance of permit issuance.
    - 6) Wisconsin Timber Rattlers, wedding fireworks on 4/23/16. Conditions: No fireworks display may begin after 10:00 p.m.; Display to comply with NFPA 1123 standards.

E. FINANCIAL REPORTS

1. Approval of Voucher Lists – March 1, 2016
2. Budget Statements – September & October 2015

## F. NEW BUSINESS

### 1. Plan Commission Recommendations:

- a. CUP-01-16 Conditional Use Permit requested by the City of Appleton to allow construction of a stormwater detention pond and low flow outlet lift station at 1850 W. Northland Avenue. PC recommends approval.
  - b. Z-01-16 Rezoning requested by The D & D Enterprises Family Limited Partnership to rezone property at 2601 N. McCarthy Road from AGD General Agricultural District to IND Industrial District. PC recommends approval. *Ordinance O-02-2016.*
  - c. Z-02-16 Rezoning requested by Spirit SPE Portfolio 2006-4, LLC to rezone the property at 3800 W. Wisconsin Avenue from IND Industrial District to CR Regional Commercial District. PC recommends approval. *Ordinance O-03-2016.*
  - d. SE-03-16 Special Exception requested by Jennerjohn Realty, Auctioneering & Appraising LLC, dba Jennerjohn Auto Sales, 3303B W. College Avenue, for operation of an automobile sales business, with a maximum limit of 10 vehicles for sale on the property at any one time. PC recommends approval.
2. Special assessment methodology for Westhill Boulevard, Franklin Street to Wisconsin Avenue.
  3. Special assessment methodology for College Avenue Frontage Road.
  4. Award of Bid, Contract 09-2016 Capitol Drive Road & Utility Construction to Dorner Inc. in an amount of \$1,086,078.40.
  5. Authorize Fire Department purchase of a 2016 Fleet/Non-Retail Chevrolet Tahoe 4WD in an amount not to exceed \$37,532. (budgeted item)
  6. Fire Department Emergency Medical Service Alternate Response Vehicle Program update and approve the 2016 capital budget items associated with the program.

## G. RESOLUTION

1. Preliminary Resolution TBR-05-2016 declaring intent to exercise special assessment powers under Chapter 66, Police Powers, Wis. Stats., 2013-14 as amended for the Morrison Street (First Avenue to Capitol Drive) reclamation.

## H. CLOSED SESSION

1. Motion to convene in Closed Session pursuant to WI. Stats 19.85(1)(c) - Consideration of employment, promotion, compensation or performance evaluation data of any public employee of the Town of Grand Chute (Administrator evaluation).
2. Motion to adjourn Closed Session and reconvene Regular Meeting.

## F. NEW BUSINESS CONTINUED

7. Discussion/action on closed session items.

## I. ADJOURNMENT

Accommodation Notice: [Any person requiring special accommodation who wishes to attend this meeting should contact \(Administration at 832-1573\) at least 48 hours in advance](#)

TOWN BOARD MEETING – TOWN OF GRAND CHUTE - 1900 GRAND CHUTE BLVD., GRAND CHUTE, WI – FEBRUARY 18, 2016

CALL TO ORDER/ROLL

Meeting called to order at 7:07 p.m. by Dave Schowalter, presiding officer.

PRESENT: Dave Schowalter, Jeff Nooyen, Travis Thyssen, Bruce Sherman, Jim Pleuss, and Karen L. Weinschrott, Town Clerk.

STAFF: Jim March, Town Administrator; Bob Buckingham, Community Development Director; Tim Bantes, Fire Chief; Julie Wahlen, Finance Director; Greg Peterson, Police Chief; Tom Marquardt, Public Works Director; Bob Heimann, IT Director; Mike Patza, Town Planner; several Police Officers; Carl Sutter, McMahon Associates; Attorney Rossmeissl, Herrling Clark Law Offices

OTHERS: 3 signed attendance

APPROVAL OF AGENDA/ORDER OF THE DAY

**Motion (Nooyen/Pleuss) to approve the agenda. Motion carried.**

POLICE DEPARTMENT AWARD

Chief Peterson presented a Meritorious Service Award to Officer Grier-Welch for his exceptional service to the community.

HEARING – NONUSE OF LIQUOR LICENSE – Mi Hacienda Real, LLC four-month non-use date February 6, 2016

Andrew Esler explained to the Town Board that there were delays with contractors and they are about a week away from being completed with the construction. They expect to be open in three weeks.

Clerk Weinschrott explained the Board can grant up to one four-month extension.

**Motion (Nooyen/Sherman) to grant a four-month extension. Motion carried.**

PUBLIC INPUT

Thomas Krueger, 2410 W. Prospect Avenue, stated he shoots pool at the Thompson Senior Center. He would like a senior center in Grand Chute. He did some research and stated there is grant money available for senior centers.

Jane Sheraton stated that her mother's attorney, Ben LaFrombois, was late and asked the Town Board to wait so he could speak during public input.

Chairman Schowalter stated they needed to take that up with their own attorney.

CONSENT AGENDA

Approval of Regular Meeting minutes January 19, 2016

Licensing: *(applications on file in the clerk's office) (License Committee recommends approval)*

Operator Licenses:

Applications to expire: 2017 dated 2017 dated 01/18/16; 01/22/16; and 1/29/16

Liquor License:

TOWN BOARD MEETING – TOWN OF GRAND CHUTE - 1900 GRAND CHUTE BLVD., GRAND CHUTE, WI – FEBRUARY 18, 2016

Original application for a “Class B” intoxicating liquor and fermented malt beverage license, Fox Valley Hospitality, Inc., dba Holiday Inn Appleton, 150 S. Nicolet Road, Eric Smith, agent.

Hotel License:

Original application from Fox Valley Hospitality, Inc., dba Holiday Inn Appleton, 150 S. Nicolet Road, Chadd Scott, manager.

Dance License:

Original application from Fox Valley Hospitality, Inc., dba Holiday Inn Appleton, 150 S. Nicolet Road, Eric Smith, agent.

Secondhand Article License:

Renewal application from Complete Liquidation Services, LLC., 3345 W. College Avenue, Wayne & Elizabeth Grant, owners.

Special Event Permit:

Request from the Wisconsin Timber Rattlers to add Friday, May 20 & 26, 2016, to their Special Event Permit for post-game fireworks (May 26<sup>th</sup> for NCAA tournament). Same conditions apply as stated on original permit.

Accept Monthly Reports: Police Department, Fire Department, Community Development, and Public Works.

**Motion (Thyssen/Nooyen) to approve the consent agenda. Motion carried.**

#### FINANCIAL REPORTS

Approval of Voucher List – February 2, 2016 & February 18, 2016

February 2, 2016: \$1,017,123.57 (89888-89939); Payroll \$268,680.33; ACH \$301,133.09

February 18, 2016: \$441,959.72 (89932-89996); Payroll \$247,221.00; ACH \$153,928.88

Accept Budget Statement – August 2015

**Motion (Thyssen/Sherman) to approve the voucher lists and accept the budget statement. Motion carried.**

#### NEW BUSINESS

Plan Commission Recommendations:

SE-01-16 Special Exception requested by Connections LLC, dba Connections, 2171 W. Pershing Street, for operation of a group day care facility. PC recommends approval.

**Motion (Nooyen/Pleuss) to approve. Motion carried.**

CSM-01-16 Certified Survey Map requested by Kenneth J. & Karen M. Look, 3755 N. Casaloma Drive, for a 2-lot CSM with roadway dedication.

**Motion (Sherman/Pleuss) to approve. Motion carried.**

TOWN BOARD MEETING – TOWN OF GRAND CHUTE - 1900 GRAND CHUTE BLVD., GRAND CHUTE, WI – FEBRUARY 18, 2016

SE-02-16 Special Exception requested by Custom Offsets LLC, dba Custom Offsets Appleton, 1060 N. Perkins Street, for sale and installation of automotive accessories. Director Buckingham to report results from 2/18/16 PC meeting.

Dir. Buckingham stated the Plan Commission recommended approval.

**Motion (Thyssen/Sherman) to approve. Motion carried.**

Approval of CVB Grant to Hearthstone Historic House in the amount of \$15,433.74 for an exterior sign.

**Motion (Sherman/Nooyen) to approve. Motion carried.**

Appointment of Daniel Schultz to the Zoning Board of Appeals, term expiring May 2017 (fulfilling the term of John Weber).

**Motion (Nooyen/Sherman) to hold until next meeting.**

Supv. Nooyen asked for a resume or bio for those that are being appointed to committees.

**Motion carried.**

Agreement with KT Real Estate Holdings LLC, regarding frontage road improvements and land conveyance associated with construction of a new Kwik Trip convenience store and fueling station at 4520 W. Greenville Drive.

**Motion (Thyssen/Sherman) to accept the agreement and approve. Motion carried.**

Design and construction administration services for the Lions Park Tennis Court Rehabilitation from Fred Kolkmann Tennis and Sport Surfaces, LLC., in the amount of \$8,500.

**Motion (Pleuss/Nooyen) to approve.**

Dir. Marquardt explained that Atty. Koehler reviewed the contract and recommended deleting paragraph 3 of the Terms and Conditions so the Town would not pay anyone's attorney's fees under any circumstances and the second phase of inspection is contingent on the Board approving the project to move forward with the design, bid documents, and construction.

**Motion carried.**

Authorization to purchase Public Works equipment: Streets ¾ ton pick-up with lift gate and plow in the amount of \$29,152.50; Parks ¾ ton pick-up with utility body and plow in the amount of \$30,593.50 (State Bid and 2016 budget).

**Motion (Thyssen/Sherman) to approve. Motion carried.**

**Motion (Pleuss/Nooyen) to suspend the rules to allow public input after new business. Motion carried.**

Petition for attachment to Sanitary Districts No. 1 & No. 2, Capitol Drive.

**Motion (Thyssen/Nooyen) to approve. Motion carried.**

Approval for purchase of a Permanent Limited Easement from Steven and Karen Stroess for a public use trail between N. Casaloma Drive and Maple Edge Park.

**Motion (Thyssen/Pleuss) to approve.**

Supv. Sherman questioned the easement and the property owner maneuvering his vehicles on the trail.

Admin. March explained if the property owner damaged the trail he would be responsible for the costs to fix the trail.

**Amended motion (Thyssen/Pleuss) to include the agreement is reviewed and approved by the attorney.**

Supv. Sherman questioned the price of the easement.

Dir. Marquardt explained the purchase was changed to an easement after Mr. Stroess declined the first offer. The easement allows him to maneuver vehicles if he needs too. The appraiser recommended a higher offer with the easement.

**Motion carried. Sherman opposed.**

Change Order #1, Contract 2015-06 Integrity Way Street & Utility Construction, increasing the contract amount by \$7,329.11.

**Motion (Thyssen/Sherman) to approve. Motion carried.**

Special assessment methodology for Capitol Drive, Casaloma Drive to Capitol Court.

**Motion (Thyssen/Sherman) to approve.**

Supv. Sherman asked for an explanation of the project.

Dir. Marquardt stated this project will reconstruct the roadway due to the deterioration. They received a \$70,000 grant for this project and will widen the roadway. Sewer and water lines will be installed as part of this project.

Supv. Sherman stated he was against marking a bike lane because on-street parking would then be prohibited. He doesn't want pedestrians to get yelled at for walking on a bike trail.

Dir. Marquardt explained you cannot mark a multi-use trail on the street.

Supv. Nooyen stated it should be marked as it is on Perkins. It does not specify as bikes only.

**Motion carried.**

#### PUBLIC INPUT

Ben LaFrombois, Ione Berg's Attorney, stated the assessments are very high and requested an alternative assessment method. He feels that \$210/ft assessment is extremely high. He asked for a copy of the spreadsheet to examine the assessments. He believes only 8% of use of the road is by the residents. Her property also has a deferment for wetland delineation.

#### NEW BUSINESS

**Motion (Schowalter/Thyssen) to reconsider delaying Daniel Schultz appointment to the Board of Appeals. Motion carried.**

Dir. Buckingham explained they need an appointment to the Board of Appeals in order to have a quorum. Mr. Schultz retired with the Boldt. He was the project superintendent for the Fire Station or Town Hall. He has a long background in construction with a knowledge of the community and would be a good fit for the Board of Appeals.

**Motion (Nooyen/Thyssen) to approve the appointment. Motion carried.**

RESOLUTIONS

Preliminary Resolution TBR-03-2016 declaring intent to exercise special assessment powers under Chapter 66, Police Powers, Wis. Stats., 2013-14 as amended for Westhill Blvd. street reclamation.

**Motion (Nooyen/Sherman) to approve. Motion carried.**

Preliminary Resolution TBR-04-2016 declaring intent to exercise special assessment powers under Chapter 66, Police Powers, Wis. Stats., 2013-14 as amended for Gillett Street (Capitol Drive to Elsner Road).

**Motion (Thyssen/Pleuss) to approve. Motion carried.**

Preliminary Resolution TBR-02-2016 declaring intent to exercise special assessment powers under Chapter 66, Police Powers, Wis. Stats., 2013-14 as amended for Capitol Drive (Casaloma Drive to Capitol Court).

**Motion (Thyssen/Sherman) to approve. Motion carried.**

CLOSED SESSION

Motion to convene in Closed Session pursuant to WI. Stats 19.85(1)(c) - Consideration of employment, promotion, compensation or performance evaluation data of any public employee of the Town of Grand Chute (Administrator evaluation) and 19.85(1)(e) - Deliberations or negotiations on the purchase of public properties, investing of public funds or conducting other specific public business when competitive or bargaining reasons require a closed session (union negotiations).

**Motion (Thyssen/Pleuss) to convene in Closed Session via Roll Call vote: Nooyen – Aye; Pleuss – Aye; Thyssen – Aye; Sherman – Aye; Schowalter – Aye. Motion carried.**

Roll call taken at 7:58 p.m.

Motion to adjourn Closed Session and adjourn the meeting.

**Motion (Thyssen/Nooyen) to adjourn Closed Session and the regular meeting.**

Meeting reconvened at 9:25 p.m.

NEW BUSINESS CONTINUED

Discussion/action on closed session items

**Motion (Sherman/Pleuss) to approve the Fire Department contract. Motion carried.**

**Motion (Nooyen/Thyssen) to approve the Police Department contract. Motion carried.**

ADJOURNMENT

**Motion (Nooyen/Thyssen) to adjourn. Motion carried.**

Meeting adjourned at 9:25 p.m.

TOWN BOARD MEETING – TOWN OF GRAND CHUTE - 1900 GRAND CHUTE BLVD., GRAND CHUTE, WI – FEBRUARY 18, 2016

These minutes were taken at a regular meeting held on February 18, 2016 and entered in this record book, February 23, 2016 by:

*Karen L. Weinschrott*

Karen L. Weinschrott, Town Clerk

Town of Grand Chute

Approved: February 18, 2016

Please Provide Operator's Licenses checks on the following applicants for New and Renewal Operator License, (the license will expire in 2017). Amended applications where background check already complete and now resubmitted

**NEW**

	Approve	Deny
Balistreri, Mike E	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Baril, Katherine J	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Biederman, Kennedy S	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Brady, Janis L	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cahak, Lisa M	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Colson-Delaney, Dawn M	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Duarte, Christopher	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Ihde, Dylan J	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Raney, Phillip C	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Van Heuklon, Danielle L	<input checked="" type="checkbox"/>	<input type="checkbox"/>

  
\_\_\_\_\_  
Capt. Jaeger or Chief Peterson

Date: 2/19/14

**RENEWAL**

	Approve	Deny
Goran, Jennifer A	<input checked="" type="checkbox"/>	<input type="checkbox"/>

  
\_\_\_\_\_  
Capt. Jaeger or Chief Peterson

Date: 2/19/14

Please Provide Operator's Licenses checks on the following applicants for New and Renewal Operator License, (the license will expire in 2017). Amended applications where background check already complete and now resubmitted

NEW

	Approve	Deny
Berendsen, Tanya S <i>pending</i>	<input type="checkbox"/>	<input type="checkbox"/>
Borzick, Jesus C	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Glasheen, Stephanie M	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lehman, Cory A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lubinski, Lauren J	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Morales, Cristian	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nowak-Dendinger, Taylor R	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pratt, Cassia R	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Rademaker, Nichole C	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Soto, Johnnie S	<input checked="" type="checkbox"/>	<input type="checkbox"/>

  
\_\_\_\_\_  
Capt. Jaeger or Chief Peterson

Date: 2/25/16

Check Number	Check Issue Date	Payee	Invoice Number	Description	Invoice GL Account	Check Amount
Total 90027:						904.48
Grand Totals:						115,431.61

Dave Schowalter, Chairman: \_\_\_\_\_

Jeff Nooyen, Supervisor: \_\_\_\_\_

Travis Thyssen, Supervisor: \_\_\_\_\_

Bruce Sherman, Supervisor: \_\_\_\_\_

Jim Pleuss, Supervisor: \_\_\_\_\_

Karen L. Weinschrott, Clerk: \_\_\_\_\_

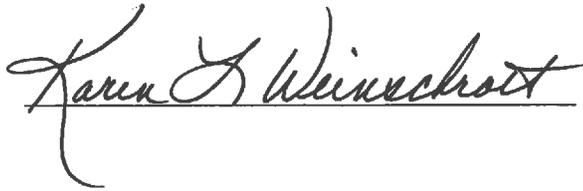
Julie M. Wahlen, Treasurer: \_\_\_\_\_

Check Number	Check Issue Date	Payee	Invoice Number	Description	Invoice GL Account	Check Amount
89982	02/22/2016	TARGET	012516	RESTITUTION CITATION 164127635	10-15-45100	24.99- V
Total 89982:						24.99-
89999	03/01/2016	CITY OF APPLETON	229357	USE OF CITY OF APPLETON YARD WASTE SITE D	10-14-53635-290	4,166.66
Total 89999:						4,166.66
90000	03/01/2016	CITY OF NEENAH	35525	MARCH NETWORK PLAN	46-09-56900-134	360.17
Total 90000:						360.17
90001	03/01/2016	DISCOVERY CLOTHING	020816	RESTITUTION CITATION 5G809CGFCM	10-15-45100	5.99
Total 90001:						5.99
90002	03/01/2016	EICK, HEATHER	021616	OVER PAYMENT OF FINAL BILL	64-00-23201	75.94
Total 90002:						75.94
90003	03/01/2016	FIRST AMERICAN EVAN'S TITL	020916	CANCEL REAL ESTATE INQUIRY	10-18-46100	22.80
Total 90003:						22.80
90004	03/01/2016	FPSOLUTION	5016	QTRLY INSPECTION SPRINKLERS	10-13-52200-290	195.00
Total 90004:						195.00
90005	03/01/2016	G&G TRANSLATORS DBA UNI	020416	SPANISH PHONE CALL	10-17-52110-210	10.00
Total 90005:						10.00
90008	03/01/2016	HEARTLAND BUSINESS SYST	hbs00523659	SLIDING RAIL	10-18-51400-810	73.50
90008	03/01/2016	HEARTLAND BUSINESS SYST	HBS00523742	STORAGE	10-18-51400-810	11,931.08
90008	03/01/2016	HEARTLAND BUSINESS SYST	I160201052	WI SERVICE BLOCK	10-18-51400-290	7,700.00
Total 90008:						19,704.58
90009	03/01/2016	JACK'S LAWN & LANDSCAPE I	021016	TREE TRIMMING ON EDGEWOOD DR AND MORRI	10-14-53311-290	312.00
Total 90009:						312.00
90010	03/01/2016	KOSOWSKI, HARVEY J.	020816	REFUND OVERPAYMENT PA31830	10-15-45100	300.00
Total 90010:						300.00
90011	03/01/2016	MCMAHON	901281	CASALOMA/NEW HORIZON ON SITE PROJECT RE	55-14-57331-000	620.53
90011	03/01/2016	MCMAHON	901334	CAPITOL DR IMPROVEMENT DESIGN SERVICES T	55-14-57331-000	3,474.15
90011	03/01/2016	MCMAHON	901340	WHITEHAWK MEADOWS NORTH II STREET CONS	55-14-57331-000	1,541.00
90011	03/01/2016	MCMAHON	901341	EDGEWOOD ACRES 1ST ADDN STREET CONSTR	55-14-57331-000	540.85
90011	03/01/2016	MCMAHON	901343	WESTHILL BLVD RECLAMATION PROFESSIONAL S	55-14-57331-000	635.90
Total 90011:						6,812.43
90012	03/01/2016	MTAW	021016	MTAW DUES ALISSA, JULIE, NANCY	10-19-51501-321	140.00

Check Number	Check Issue Date	Payee	Invoice Number	Description	Invoice GL Account	Check Amount
Total 90012:						140.00
90013	03/01/2016	NORTHLAND ELECTRICAL SE	0021518-IN	ELECTRICAL WORK APP BAY/TV	10-13-52200-360	1,308.43
Total 90013:						1,308.43
90015	03/01/2016	OUTAGAMIE COUNTY	108763	CAD LICENSES	10-17-52110-290	7,860.00
Total 90015:						7,860.00
90016	03/01/2016	OUTAGAMIE COUNTY TREAS	1015527	BRINE	10-14-53312-340	682.56
90016	03/01/2016	OUTAGAMIE COUNTY TREAS	108508	INCARCERATION EXPENSE	10-15-51200-215	2,100.00
Total 90016:						2,782.56
90017	03/01/2016	REGISTRATION FEE TRUST	021816	PARKING SUSPENSIONS	10-17-52110-390	200.00
Total 90017:						200.00
90018	03/01/2016	ROAD STAR INN	020816	RESTITUTION CITATION 164529211 JONES	10-15-45100	180.00
Total 90018:						180.00
90020	03/01/2016	SIMPLEX GRINNELL	78379743	ANNUAL FIRE ALARM SYSTEM INSPECTION	10-18-51600-290	664.84
Total 90020:						664.84
90021	03/01/2016	STATE BANK OF CHILTON	021516	OVERPAYMENT OF FINAL BILL	64-00-23201	76.21
Total 90021:						76.21
90022	03/01/2016	STROESS, STEVEN & KAREN	021716-EASE	PLE FROM STROESS	55-16-57630-000	9,000.00
Total 90022:						9,000.00
90023	03/01/2016	TASER INTERNATIONAL	Si1424916		10-17-52100-346	10,852.07
Total 90023:						10,852.07
90024	03/01/2016	TOONEN RENTAL PROPERTIE	021116	OVERPAYMENT RATISHER	64-00-23201	146.36
Total 90024:						146.36
90025	03/01/2016	WALMART	020516	RESTITUTION CITATION 164529350 SCHMIDT	10-15-45100	820.00
Total 90025:						820.00
90026	03/01/2016	WE ENERGIES	021916-JANU	GAS & ELECTRIC BILL JANUARY 2016	10-18-51600-220	48,556.08
Total 90026:						48,556.08
90027	03/01/2016	WITTHUHN PRINTING CO. INC	6039	CLERK ENVELOPES	10-12-51420-310	396.90
90027	03/01/2016	WITTHUHN PRINTING CO. INC	6043	LETTERHEAD/ENVELOPES	10-19-51501-310	507.58

Check Issue Date	Payee	Invoice Number	Description	Invoice GL Acct	Check Amount
02/10/2016	DELTA DENTAL	021016	GCMW GROUP 2 DENTAL CLAIMS	10-00-13001	1,017.34
Total 160210001:					1,017.34
02/11/2016	PITNEY BOWES GLOBAL FINA	021116	PITNEY BOWES	10-18-51400-311	500.00
Total 160211001:					500.00
02/17/2016	DELTA DENTAL	16182	GCMW GROUP 2 DENTAL CLAIMS	10-00-13001	1,172.95
Total 160217001:					1,172.95
02/18/2016	WISCONSIN ETF	021816	MARCH HEALTH INSURANCE	10-00-21531	117,849.70
Total 160218001:					117,849.70
02/19/2016	REDEPOSITED ITEM FEE	021916	REDEPOSITED FEE	10-19-48110	5.00
Total 160219001:					5.00
02/22/2016	PITNEY BOWES GLOBAL FINA	022216	POSTAGE	10-18-51400-311	500.00
Total 160222002:					500.00
02/22/2016	UNEMPLOYMENT INSURANCE	022216	UNEMPLOYMENT	11-18-59200-521	1,850.00
Total 160222003:					1,850.00
Grand Totals:					122,894.99

Karen L. Weinschrott, Clerk:



Dated:



Check Issue Date	Check Number	Payee ID	Payee	Amount
02/26/2016	8997		Void	
02/26/2016	8998		Void	
02/26/2016	89997	3	GRAND CHUTE PROFESSIONA	750.00-
02/26/2016	89998	5	WISCONSIN SCTF	246.92-
02/26/2016	160226001	1003	VELIE, DUANE A	1,915.60-
02/26/2016	160226002	1005	PRAHL, TODD W	2,160.32-
02/26/2016	160226003	1007	ERTL, MICHAEL T	1,592.03-
02/26/2016	160226004	1008	GRODE, ROBERT W	1,251.46-
02/26/2016	160226005	1010	DAANEN, TODD M	367.51-
02/26/2016	160226006	1011	URBAN, JOHN J	1,258.05-
02/26/2016	160226007	1015	HARTFIEL, BRIAN M	539.92-
02/26/2016	160226008	1024	ARFT, MICHAEL J	1,643.76-
02/26/2016	160226009	1025	STINGLE, GREGORY A	1,527.66-
02/26/2016	160226010	1027	COENEN, RANDY N	1,594.50-
02/26/2016	160226011	1030	FULCER, SAMUEL R	859.72-
02/26/2016	160226012	1043	BUCKINGHAM, ROBERT L	2,081.10-
02/26/2016	160226013	1049	BUTTERIS, JERROD B.	1,159.11-
02/26/2016	160226014	1050	MARQUARDT, THOMAS J	2,656.77-
02/26/2016	160226015	1052	WALL, BRIAN P	1,037.34-
02/26/2016	160226016	1053	KIPPENHAN, JEFF C	622.65-
02/26/2016	160226017	1055	VELIE, ADAM P	587.84-
02/26/2016	160226018	2021	PLEUSS, JAMES R	294.34-
02/26/2016	160226019	2022	SCHOWALTER, DAVID A	450.84-
02/26/2016	160226020	2024	NOOYEN, JEFFREY T	380.21-
02/26/2016	160226021	2026	THYSSEN, TRAVIS J	379.36-
02/26/2016	160226022	2031	KLASEN, CHARLES W	518.10-
02/26/2016	160226023	3003	MAUTHE, ANGELA M	1,156.94-
02/26/2016	160226024	3004	WEINSCHROTT, KAREN L	1,581.19-
02/26/2016	160226025	3007	MARCH, JAMES V	3,062.86-
02/26/2016	160226026	3008	NATE, CARY J	2,239.42-
02/26/2016	160226027	3009	KOPECKY, JEFFRY D	1,631.47-
02/26/2016	160226028	3012	ST JULIANA, LENO J	1,730.74-
02/26/2016	160226029	3014	OLEJNICZAK, TRACY L	1,033.23-
02/26/2016	160226030	3016	BAXTER, MARY J	1,272.22-
02/26/2016	160226031	3017	TIMM, BARBARA M	801.45-
02/26/2016	160226032	3020	RIEMER, NANCY L	1,133.22-
02/26/2016	160226033	3022	PEETERS, CARRIE L	687.63-
02/26/2016	160226034	3027	GABRIEL, LISA J	1,037.32-
02/26/2016	160226035	3033	THIEL, ERIC J	1,536.53-
02/26/2016	160226036	3034	FAHRENKRUG, ANGIE M	1,186.42-
02/26/2016	160226037	3041	MROCZKOWSKI, LISA M	1,281.82-
02/26/2016	160226038	3045	WAHLEN, JULIE M	1,781.90-
02/26/2016	160226039	3046	MILLER, ELIZABETH A.	731.66-
02/26/2016	160226040	3047	HEIMANN, ROBERT J	2,712.97-
02/26/2016	160226041	3048	BERKERS, SANDRA J	338.81-
02/26/2016	160226042	3050	WALLENFANG, DAVID J	1,064.20-
02/26/2016	160226043	3053	SOK, SAM A	1,618.81-
02/26/2016	160226044	3054	PATZA, MICHAEL D	1,484.18-
02/26/2016	160226045	3055	SCHMAHL, ALISSA R	1,307.08-
02/26/2016	160226046	4015	SHERMAN, BRUCE D	230.04-
02/26/2016	160226047	4023	HAGEN, JOY A	32.32-
02/26/2016	160226048	4024	PENNINGS, KATHRYN A	32.32-
02/26/2016	160226049	4028	HAAG, JOAN M	262.32-
02/26/2016	160226050	4030	VANBUECKEN, DONNA J	32.32-
02/26/2016	160226051	4035	SCHMIDT, MICHAEL J	32.32-
02/26/2016	160226052	4054	JONES, JOHN E	32.32-
02/26/2016	160226053	6000	HELING, MARK	112.15-

Check Issue Date	Check Number	Payee ID	Payee	Amount
02/26/2016	160226054	6001	KASRIEL, MATTHEW E	2,287.75-
02/26/2016	160226055	6005	TRILLING, RICHARD K	2,279.78-
02/26/2016	160226056	6006	WOODFORD, ALEXANDER J	601.28-
02/26/2016	160226057	6009	BUETTNER, ROBERT L	1,658.83-
02/26/2016	160226058	6012	HEINZ, SEAN A	730.81-
02/26/2016	160226059	6018	DEBRULER, MICHAEL L	1,801.64-
02/26/2016	160226060	6020	DANIELS, MICHAEL S	450.16-
02/26/2016	160226061	6021	GEISSLER, MICHAEL L	2,031.70-
02/26/2016	160226062	6022	CHADA, MATTHEW W	650.02-
02/26/2016	160226063	6026	OLSON, ROBERT C	1,545.90-
02/26/2016	160226064	6027	BERGLUND, ERIC S	1,422.27-
02/26/2016	160226065	6028	THORSON, WADE J	2,153.51-
02/26/2016	160226066	6031	CZECHANSKI, ANDREW P	1,529.64-
02/26/2016	160226067	6034	SYRING, ERIC E	313.53-
02/26/2016	160226068	6037	CLARK, JOHN B	674.17-
02/26/2016	160226069	6039	JAPE, CHRISTOPHER E	1,291.49-
02/26/2016	160226070	6040	SIEGMANN, CHAD E	1,428.82-
02/26/2016	160226071	6043	SCHIPPER, ROBERT J	1,568.32-
02/26/2016	160226072	6046	HANSEN, JEREMY J	411.62-
02/26/2016	160226073	6048	NELSEN, MARK J	819.04-
02/26/2016	160226074	6050	PAVASARIS, RAIMONDS P	1,475.55-
02/26/2016	160226075	6051	LAZCANO, RAUL M	1,661.31-
02/26/2016	160226076	6054	MARTIN, CHAD R	1,659.92-
02/26/2016	160226077	6057	EVERSON, NICOLAS A	688.24-
02/26/2016	160226078	6066	PALTZER, BRAD L	1,620.00-
02/26/2016	160226079	6069	PAULSON, DAVID J	889.89-
02/26/2016	160226080	6074	STARK, AARON W	1,756.50-
02/26/2016	160226081	6077	STERN, JEREMY D	733.26-
02/26/2016	160226082	6079	JOHNSON, EVAN J	122.79-
02/26/2016	160226083	6080	BIESE, JASON D	378.60-
02/26/2016	160226084	6081	HAGENOW, BONNIE K	257.39-
02/26/2016	160226085	6082	CAHAK, JACOB D	136.84-
02/26/2016	160226086	6084	GRETZINGER, WILLIAM J	1,175.67-
02/26/2016	160226087	6085	SCHOMMER, BRIAN P	1,914.06-
02/26/2016	160226088	6090	GRETZINGER, LUCAS R	525.37-
02/26/2016	160226089	6092	BANTES, TIMOTHY A	2,337.11-
02/26/2016	160226090	6094	HACKETT, WILLIAM O	643.96-
02/26/2016	160226091	6095	HANSON, JEREMY B	516.12-
02/26/2016	160226092	6098	MONAGHAN, RYAN J	950.48-
02/26/2016	160226093	6102	BLANKENSHIP, THEODORE A	435.47-
02/26/2016	160226094	6104	GLOUDEMANS, MATTHEW J	1,045.72-
02/26/2016	160226095	6105	HEIMAN, JACOB M	680.25-
02/26/2016	160226096	6106	HOLLNAGEL, GREGORY K	122.79-
02/26/2016	160226097	6109	SISEL, JARROD C	818.75-
02/26/2016	160226098	6111	VAUGHAN, ERIC N	576.43-
02/26/2016	160226099	6112	SCHEEL, RYAN M	234.34-
02/26/2016	160226100	6113	FELCKOWSKI, BENEDICT J	709.83-
02/26/2016	160226101	6114	STERNHAGEN, BRYCE A	515.00-
02/26/2016	160226102	6150	MARQUARDT, THOMAS J.	391.78-
02/26/2016	160226103	7001	PETERSON, GREG I	2,779.58-
02/26/2016	160226104	7003	STEINKE, SCOTT M	2,112.22-
02/26/2016	160226105	7007	PROPSON, JENNA S	1,491.58-
02/26/2016	160226106	7008	REIFSTECK, RANDY W	1,429.45-
02/26/2016	160226107	7013	ZOLKOWSKI, TODD A	1,919.84-
02/26/2016	160226108	7018	KONS, BENJAMIN J	1,751.07-
02/26/2016	160226109	7022	MOHR, GREGORY J	1,880.04-
02/26/2016	160226110	7024	GOLLNER, AMANDA M	1,400.08-

Check Issue Date	Check Number	Payee ID	Payee	Amount
02/26/2016	160226111	7025	PROFANT, KATIE J	1,678.71-
02/26/2016	160226112	7027	VELIE, MICHAEL G	1,899.63-
02/26/2016	160226113	7030	CALLAWAY, SCOTT M	1,717.64-
02/26/2016	160226114	7034	SCHELLINGER, AARON S	498.61-
02/26/2016	160226115	7035	CLEMENT, JENNIFER L	2,216.48-
02/26/2016	160226116	7036	GOLLNER, IAN M	1,728.08-
02/26/2016	160226117	7040	BLAHNIK, RUSSELL D	1,937.23-
02/26/2016	160226118	7041	ENNEPER, SHAWN R	1,792.05-
02/26/2016	160226119	7047	BOHLEN, JOSHUA D	1,708.37-
02/26/2016	160226120	7053	JAEGER, COLETTE R	2,021.55-
02/26/2016	160226121	7055	VANDEN BERG, TED M	1,657.57-
02/26/2016	160226122	7056	MAAS, MARK H	1,659.53-
02/26/2016	160226123	7059	SCHULTZ, HOLLY J	1,195.71-
02/26/2016	160226124	7061	DIEDRICK, AMANDA M	1,078.40-
02/26/2016	160226125	7065	OTTO, MICHAELA L	375.90-
02/26/2016	160226126	7070	WARMBIER, TAYLOR R	239.18-
02/26/2016	160226127	7073	TEIGEN, JOSEPH D	1,938.34-
02/26/2016	160226128	7076	GRIESBACH, PATRICK E	1,467.86-
02/26/2016	160226129	7081	THAO, JOHNNY	486.78-
02/26/2016	160226130	7084	FEUCHT, DANIEL A	384.18-
02/26/2016	160226131	7086	KEEN, SUSAN M	30.67-
02/26/2016	160226132	7088	PETERS, PHYLLIS J	1,251.53-
02/26/2016	160226133	7093	PERZ, KARI L	1,150.77-
02/26/2016	160226134	7097	BERG, JANET H	305.19-
02/26/2016	160226135	7098	LATZA, CHERYL A	325.58-
02/26/2016	160226136	7101	VUE, LIA	1,765.88-
02/26/2016	160226137	7103	SCHUH, JULIANNE M	804.80-
02/26/2016	160226138	7104	HANSON, BENJAMIN G	1,538.15-
02/26/2016	160226139	7105	KUNDINGER, JENNI L	979.28-
02/26/2016	160226140	7107	DASKO, ASHLEY A	312.07-
02/26/2016	160226141	7108	GRIER-WELCH, DYLAN F	1,590.58-
02/26/2016	160226142	7109	WAAS, TRAVIS J	1,772.53-
02/26/2016	160226143	7110	POUPORE, LOGAN T	1,584.86-
02/26/2016	160226144	7111	HANNIGAN, MEGAN E	1,621.36-
02/26/2016	160226145	7112	REHBERG, ETHAN C	425.04-
02/26/2016	160226146	7114	MCFAUL, WENDY S	934.96-
02/26/2016	160226147	7115	DOWNEY, DANIELLE	1,365.37-
02/26/2016	160226148	7116	FENRICH, ALEC J	502.62-
02/26/2016	160226149	7117	JOHNSON, JACOB L	1,387.87-
02/26/2016	160226150	7118	MENKE, CALEB D	1,533.72-
02/26/2016	160226151	7119	SHEPHERD, JAMES M	1,562.17-
02/26/2016	160226152	8021	CROSBY, PAMELA A	32.32-
02/26/2016	160226153	8035	PETERSEN, KAREN A	241.56-
02/26/2016	160226154	8036	HIDDE, JULIA P	32.32-
02/26/2016	160226155	8040	WEBER, JOHN C	32.32-
02/26/2016	160226156	8045	STADEL, ROBERT W	32.32-
02/26/2016	160226157	8062	BOECKERS, DUANE J	32.32-
02/26/2016	160226158	9003	BARNDT, JACQUELINE E	30.00-
02/26/2016	160226159	9007	DENNIK, LOIS	175.00-
02/26/2016	160226160	9012	DRAEGER, MARILYN R	175.00-
02/26/2016	160226161	9021	HERCHMER, JULIE	15.00-
02/26/2016	160226162	9022	HERCHMER, MICHAEL FJ	15.00-
02/26/2016	160226163	9025	HOULIHAN, KATHLEEN A	175.00-
02/26/2016	160226164	9032	KRUEGER, CORRINE P	290.00-
02/26/2016	160226165	9033	HACZYNSKI, SHARON L	175.00-
02/26/2016	160226166	9037	KRUEGER, DEBORAH A	215.00-
02/26/2016	160226167	9039	KRUEGER, RICHARD L	200.00-

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02/26/2016	160226168	9041	KRULL, LOIS A	15.00-
02/26/2016	160226169	9042	KUKSA, JULIE A	200.00-
02/26/2016	160226170	9046	MALOTT, BETH M	200.00-
02/26/2016	160226171	9064	RICKERT, GERALD C	15.00-
02/26/2016	160226172	9080	WROBLESKI, MICHELLE A	200.00-
02/26/2016	160226173	9087	ATWATER, SANDRA L	175.00-
02/26/2016	160226174	7	DEFERRED COMP	7,566.15-
02/26/2016	160226174	7	DEFERRED COMP	1,653.15-
02/26/2016	160226175	1	EFTPS	15,980.36-
02/26/2016	160226175	1	EFTPS	15,980.36-
02/26/2016	160226175	1	EFTPS	3,737.38-
02/26/2016	160226175	1	EFTPS	3,737.38-
02/26/2016	160226175	1	EFTPS	27,029.61-
02/26/2016	160226176	8	FLEX SPENDING	1,847.59-
02/26/2016	160226176	8	FLEX SPENDING	769.20-
02/26/2016	160226177	2	WISCONSIN DEPT OF REVENU	12,111.11-
Grand Totals:				
	<u>187</u>			<u>267,952.90-</u>

**CASH ON HAND  
OCTOBER 2015**

<b>GENERAL FUND</b>	
\$	7,090,514
<b>CAPITAL PROJECTS FUND</b>	
\$	(3,112,082)
<b>DEBT SERVICE FUND</b>	
\$	906,263
<b>SPECIAL ASSESSMENT FUND</b>	
\$	4,165,080
<b>SPECIAL REVENUE FUNDS</b>	
\$	371,245
<b>TAX INCREMENT DISTRICT #1</b>	
\$	658,644
<b>TAX INCREMENT DISTRICT #2</b>	
\$	(6,332)
<b>SANITARY DISTRICT #1</b>	
\$	(1,664,515)
<b>SANITARY DISTRICT #2</b>	
\$	11,133,729
<b>SANITARY DISTRICT #3</b>	
\$	6,828,469
<b>EASTSIDE UTILITY DISTRICT</b>	
\$	349,406
<b>26,720,424.15</b>	<b>TOTAL CASH ON HAND</b>

**CASH INVESTMENTS**

<b>CHECKING &amp; MONEY MARKET</b>	<b>JP MORGAN INVESTMENT</b>	<b>Bond</b>			
<b>NICOLET BANK</b>	<b>Market Value</b>	<b>Portfolio</b>	<b>Yield Rate</b>	<b>Maturity Date</b>	
\$ 9,815,444	\$ 3,916,537	\$ 992,240	Vining Sparks	1.00%	10/29/2015
Interest Rate 0.50%		\$ 512,525	Vining Sparks	2.40%	12/09/2015
		\$ 101,553	Vining Sparks	2.20%	09/15/2017
<b>STATE POOL</b>	<b>BANK MUTUAL MONEY MARKET</b>	\$ 657,218	Vining Sparks	2.03%	05/30/2017
\$ 189,139	\$ 614,588	\$ 550,208	Vining Sparks	2.00%	05/01/2018
Interest Rate 0.14%	Interest Rate 0.15%				
<b>FIRSTMERIT BANK MONEY MARKET</b>	<b>BUSINESS BANK MONEY MARKET</b>				
\$ 525,125	\$ 6,191,690				
Interest Rate 0.20%	Interest Rate 0.86%	\$ 219,689	RBC Wealth	5.75%	08/15/2016
		\$ 201,218	RBC Wealth	1.00%	08/19/2016
<b>FIRSTMERIT BANK CHECKING</b>		\$ 521,939	RBC Wealth	4.40%	01/15/2017
\$ 1,000		\$ 101,515	RBC Wealth	1.38%	08/01/2017
		\$ 503,434	RBC Wealth	1.45%	11/07/2017
		\$ 452,302	RBC Wealth	1.60%	11/20/2017
		\$ 400,104	RBC Wealth	1.45%	01/17/2018
		\$ 252,958	RBC Wealth	1.55%	02/09/2018
<b>\$ 10,530,708</b>	<b>\$ 10,722,815</b>	<b>\$ 5,466,901.50</b>	<b>SUBTOTALS</b>		
	<b>26,720,424.15</b>				

**GENERAL FUND REVENUES  
2015 BUDGET STATEMENT  
OCTOBER 2015**

REVENUE TYPES	2015 BUDGET	CURRENT MONTH	2015 YTD	% BUDGET	(UNDER) OVER
General Operations Tax Levy	7,997,663	-	7,997,828	100%	164
<b>41110 General Property Tax Levy</b>	<b>7,997,663</b>	<b>-</b>	<b>7,997,828</b>	<b>100%</b>	<b>164</b>
<b>Other Taxes</b>					
Rescinded Taxes	25,000	724	18,821	75%	(6,179)
Hold Harmless-Computer Exempt	75,060	-	75,620	101%	560
Omitted Taxes	-	-	3,148	-	3,148
Woodland/Managed Forest	50	85	506	1012%	456
Hotel/Motel Tax	316,900	109,299	272,701	86%	(44,199)
Lieu of Taxes	4,500	-	2,353	52%	(2,147)
Interest on Delinq P.P. Taxes	1,750	-	1,081	62%	(669)
<b>Subtotal - Taxes</b>	<b>423,260</b>	<b>110,107</b>	<b>374,230</b>	<b>88%</b>	<b>(49,030)</b>
<b>Special Assessments</b>					
Special Assessments - Street Lighting	60,000	-	59,907	100%	(93)
<b>Subtotal - Special Assessments</b>	<b>60,000</b>	<b>-</b>	<b>59,907</b>	<b>100%</b>	<b>(93)</b>
<b>Intergovernmental Revenues</b>					
Shared Revenue from State	269,458	-	40,419	15%	(229,039)
Fire Insurance from State	82,850	-	87,544	106%	4,694
State Aid - Police	4,300	-	3,200	74%	(1,100)
Grants - State/Federal	47,169	6,490	35,284	75%	(11,885)
State Transportation Aids	785,984	196,116	784,463	100%	(1,521)
Highway Federal Grants	-	-	60	-	60
School Liaison Reimbursement	20,361	-	10,180	50%	(10,181)
Recycling-Cty Reimbursement	125,600	-	69,534	55%	(56,066)
Mass Transit	439,182	-	92,911	21%	(346,271)
<b>Subtotal - Intergovernmental Revenues</b>	<b>1,774,904</b>	<b>202,606</b>	<b>1,123,597</b>	<b>63%</b>	<b>(651,307)</b>
<b>Licenses &amp; Permits</b>					
Business or Occupation License	29,000	2,313	42,233	146%	13,233
Business License-Liquor	40,000	210	56,923	142%	16,923
Business License-Cable TV	290,000	52,257	200,076	69%	(89,924)
Business License-Pawn/2nd Hand	-	200	2,145	-	2,145
Hotel License	-	-	550	-	550
Non-business License	3,500	285	2,808	80%	(692)
Burning Permits	500	-	650	130%	150
Occupancy Inspections	1,500	150	2,025	135%	525
Building Permits	250,000	35,153	299,939	120%	49,939
Building Permits - Lot Access	5,000	860	5,250	105%	250
Utility/Open Cut Permits	20,000	2,982	26,746	134%	6,746
Zoning Permits	40,000	2,675	42,005	105%	2,005
Site Erosion Control Plan Review Fee	7,000	900	6,800	97%	(200)
Drainage Inspection Fee	40,000	5,950	40,200	101%	200
Wetland Delineations	14,000	-	18,365	131%	4,365
Building Plan Review Fee	47,000	-	3,877	8%	(43,123)
Erosion Control Inspection Fee	17,000	2,250	17,235	101%	235
Drainage Plan Review Fee	1,500	200	1,600	107%	100
Maps and Plans	500	-	285	57%	(215)
<b>Subtotal - Licenses &amp; Permits</b>	<b>806,500</b>	<b>106,385</b>	<b>769,711</b>	<b>95%</b>	<b>(36,789)</b>
<b>Fines, Forfeitures &amp; Penalties</b>					
Court Penalties & Costs	390,000	26,340	379,696	97%	(10,304)
Parking Tickets	20,000	576	16,186	81%	(3,814)
Judgment & Damages	2,500	466	3,753	150%	1,253

REVENUE TYPES	2015 BUDGET	CURRENT MONTH	2015 YTD	% BUDGET	(UNDER) OVER
<b>Subtotal - Fines, Forfeitures &amp; Penalties</b>	<b>412,500</b>	<b>27,382</b>	<b>399,985</b>	<b>97%</b>	<b>(12,515)</b>
<b>Public Charges for Services</b>					
General Government	18,000	1,450	19,523	108%	1,523
Police Department Fees	8,000	80	2,346	29%	(5,654)
Police Department Fees / Fingerprinting	5,000	260	4,824	96%	(176)
Police Department Contracted Services	13,000	1,373	18,232	140%	5,232
False Alarms	27,000	1,125	24,221	90%	(2,779)
Fire Department Fees	18,200	1,322	16,552	91%	(1,649)
Fire Protection Systems Fee	2,500	250	2,900	116%	400
Tank Installation Standby Fee	700	375	770	110%	70
Tent Inspection Permit	1,000	75	875	88%	(125)
Firework Permits	350	-	250	71%	(100)
Highway Material/Maintenance	12,000	3,536	14,610	122%	2,610
Sp Charge-Refuse Collection	747,415	-	768,390	103%	20,975
Sp Charge-Recycling Collection	315,500	-	315,700	100%	200
Weed Control	1,000	-	101	10%	(899)
Cemetery	50	-	189	378%	139
Park Rentals	11,000	-	8,434	77%	(2,566)
Recreation Fees	5,000	-	4,996	100%	(4)
Property Record Mgmt Fees	35,000	2,850	20,790	59%	(14,210)
<b>Subtotal - Public Charges for Services</b>	<b>1,220,715</b>	<b>12,695</b>	<b>1,223,702</b>	<b>100%</b>	<b>2,987</b>
<b>Miscellaneous Revenue</b>					
Fire Inspections - Tanks	4,000	-	4,590	115%	590
Police Department Abandon Vehicle	4,000	225	3,647	91%	(353)
Interest Earnings /Change in Market Value	225,000	(2,976)	107,189	48%	(117,811)
Interest Income - TIF District	-	1,667	16,667	-	16,667
General Admin Fees	2,000	291	3,495	175%	1,495
Rent-Town Hall	300	150	1,504	501%	1,204
Rent - San Districts	134,280	11,190	111,900	83%	(22,380)
Land Lease Revenue	-	-	2,500	-	2,500
Sale Police Equip	24,000	-	25,786	107%	1,786
Sale Hwy Equip	25,000	-	43	0%	(24,957)
Police Insurance Recoveries	5,000	-	15,698	314%	10,698
Fire - Insurance Recoveries	-	-	14,356	-	14,356
DPW - Insurance Recoveries	3,000	-	1,633	54%	(1,367)
Insurance Dividends	40,596	33,786	33,786	83%	(6,810)
Donations-Parks	1,500	-	3,286	219%	1,786
Donations-Park Recreation	1,200	-	1,225	102%	25
Donations-Crime Prevention	1,000	50	50	0%	(950)
Police Unclaimed Property	-	-	2,227	-	2,227
Police Reimbursement	500	150	150	0%	(350)
Admin Reimbursement	-	2,749	42,171	-	42,171
Donations-Fire Dept	200	-	200	100%	-
Commission - Soda Machine	250	24	416	166%	166
Misc Revenues	10,000	45	16,462	165%	6,462
Credit Card Rebate	30,000	-	36,650	122%	6,650
<b>Subtotal - Miscellaneous Revenue</b>	<b>511,826</b>	<b>47,825</b>	<b>449,427</b>	<b>88%</b>	<b>(62,399)</b>
<b>Other Financing Sources</b>					
Allocated Hwy Labor & Maint	225,000	7,869	158,811	71%	(66,189)
Transfer from San Dist #3	5,000	-	-	0%	(5,000)
Transfer from Other Funds	110,900	-	-	0%	(110,900)
Fund Balance-Applied to Budget	125,000	-	-	0%	(125,000)
<b>Subtotal - Other Financing Sources</b>	<b>465,900</b>	<b>7,869</b>	<b>158,811</b>	<b>34%</b>	<b>(307,089)</b>
<b>Total Revenues w/o Property Tax</b>	<b>5,675,605</b>	<b>514,671</b>	<b>4,559,369</b>	<b>80%</b>	<b>(1,116,236)</b>
<b>Total Revenues</b>	<b>13,673,268</b>	<b>514,671</b>	<b>12,557,197</b>	<b>92%</b>	<b>(1,116,071)</b>

**TOWN OF GRAND CHUTE  
GENERAL FUNDED DEPARTMENTS  
2015 BUDGET STATEMENT  
OCTOBER 2015**

DEPARTMENT	2015 BUDGET	CURRENT MONTH	2015 YTD	% BUDGET	REMAINING BUDGET
<b>General Government</b>					
51100 Town Board	90,230	6,115	70,912	79%	19,318
51200 Municipal Court	186,500	7,213	109,065	58%	77,435
51300 Legal	70,000	3,195	19,315	28%	50,685
51400 General Administration	760,542	39,331	722,581	95%	37,961
51420 Town Clerk	137,390	10,387	97,373	71%	40,017
51440 Elections	32,320	15	19,194	59%	13,126
51501 Treasurer	200,480	21,076	180,036	90%	20,444
51600 Municipal Complex	269,145	23,324	195,500	73%	73,645
51910 Erroneous Taxes, Tax Refunds	60,000	(544)	33,274	55%	26,726
51938 Property & Liability Insurance	241,615	-	313,456	130%	(71,841)
<b>Subtotal - General Government</b>	<b>2,048,222</b>	<b>110,112</b>	<b>1,760,706</b>	<b>86%</b>	<b>287,517</b>
<b>Public Safety</b>					
52100 Police - Patrol	2,885,876	190,366	2,135,401	74%	750,475
52110 Police - Administration	485,845	39,458	401,528	83%	84,317
52120 Police - Investigations	678,421	45,665	496,379	73%	182,042
54100 Animal Control	6,200	-	3,300	53%	2,900
52200 Fire Department	2,809,435	200,191	2,062,327	73%	747,108
<b>Subtotal - Public Safety</b>	<b>6,865,777</b>	<b>475,680</b>	<b>5,098,935</b>	<b>74%</b>	<b>1,766,842</b>
<b>Public Works</b>					
53311 Highway	798,225	68,828	553,256	69%	244,969
53312 Winter Maintenance	227,634	620	146,076	64%	81,559
53313 Hwy Shop	331,150	20,950	297,997	90%	33,153
53420 Street Lights	317,700	25,768	202,217	64%	115,483
53520 Bus Service	560,700	45,313	453,130	81%	107,570
53620 Refuse & Landfill	755,400	185	409,951	54%	345,449
53635 Recycling Charges	518,215	8,333	282,998	55%	235,217
53640 Weed & Nuisance Control	4,610	191	1,362	30%	3,248
54910 Cemetery	1,720	-	1,370	80%	350
<b>Subtotal - Public Works</b>	<b>3,515,354</b>	<b>170,190</b>	<b>2,348,605</b>	<b>67%</b>	<b>1,166,749</b>

**TOWN OF GRAND CHUTE  
GENERAL FUNDED DEPARTMENTS  
2015 BUDGET STATEMENT  
OCTOBER 2015**

DEPARTMENT	2015 BUDGET	CURRENT MONTH	2015 YTD	% BUDGET	REMAINING BUDGET
Parks & Recreation					
55200 Parks Maintenance	204,070	10,279	172,830	85%	31,240
55300 Recreation	16,690	3,873	16,420	98%	270
55400 Trails Maintenance	13,965	1,039	6,551	47%	7,414
<b>Subtotal - Parks &amp; Recreation</b>	<b>234,725</b>	<b>15,191</b>	<b>195,800</b>	<b>83%</b>	<b>38,925</b>
Community Development					
51502 Assessment of Property	242,260	20,499	193,827	80%	48,433
52400 Building Inspection/Code Enforcement	309,870	29,336	276,422	89%	33,448
56900 Planning & Zoning	276,270	18,314	140,787	51%	135,483
<b>Subtotal - Community Development</b>	<b>828,400</b>	<b>68,149</b>	<b>611,037</b>	<b>74%</b>	<b>217,363</b>
Other Financing Uses					
59900 Contingency	180,790	-	-	0%	180,790
<b>Total - General Fund Operating</b>	<b>13,673,268</b>	<b>839,322</b>	<b>10,015,084</b>	<b>73%</b>	<b>3,658,185</b>
Transfers					
59200 GF Contribution to Capital Projects	-	-	30,000	0%	(30,000)
59200 GF Contribution to Tax Increment District	-	-	2,000,000	0%	(2,000,000)
<b>TOTAL - GEN'L FUND OPERATING, CAPITAL &amp; DEB</b>	<b>13,673,268</b>	<b>839,322</b>	<b>12,045,084</b>	<b>88%</b>	<b>1,628,185</b>

**TOWN OF GRAND CHUTE  
SPECIAL REVENUE FUNDS  
2015 BUDGET STATEMENT  
OCTOBER 2015**

<b>ROOM TAX</b>	<b>2015 BUDGET</b>	<b>CURRENT MONTH</b>	<b>2015 YTD</b>	<b>% BUDGET</b>	<b>REMAINING BUDGET</b>
<b>BEGINNING FUND BALANCE</b>	75,489		75,490		
<b>REVENUES</b>					
Public Accomodation-Town Gen	75,800	19,009	58,435	77%	17,365
Public Accomodation-Town Dev	241,100	90,291	214,266	89%	26,834
Public Accomodation-Econ Dev	723,200	234,419	616,604	85%	106,596
<b>TOTAL REVENUES</b>	<b>1,040,100</b>	<b>343,718</b>	<b>889,306</b>	<b>86%</b>	<b>150,794</b>
<b>TOTAL RESOURCES</b>	<b>1,115,589</b>	<b>343,718</b>	<b>964,796</b>	<b>86%</b>	<b>150,794</b>
<b>EXPENDITURES</b>					
Economic Dev-Convention Bureau	723,200	-	371,926	51%	351,274
<b>TOTAL EXPENDITURES</b>	<b>723,200</b>	<b>-</b>	<b>371,926</b>	<b>51%</b>	<b>351,274</b>
Transfer to General Fund	316,900	109,299	272,701	86%	44,199
<b>ENDING FUND BALANCE</b>	<b>75,489</b>		<b>320,169</b>		
<b>FIRE STATION DEVELOPMENT</b>					
<b>BEGINNING FUND BALANCE</b>	<b>161,738</b>		<b>164,348</b>		
<b>REVENUES</b>					
Impact Fee	58,000	3,718	63,455	109%	(5,455)
Interest	125	(8)	1,092	873%	(967)
<b>TOTAL REVENUES</b>	<b>58,125</b>	<b>3,710</b>	<b>64,547</b>	<b>0%</b>	<b>(6,422)</b>
<b>TOTAL RESOURCES</b>	<b>219,863</b>	<b>3,710</b>	<b>228,895</b>	<b>0%</b>	<b>(6,422)</b>
<b>EXPENDITURES</b>					
FD Construction	-	-	-	0%	-
Transfer to Capital Projects	200,000	-	200,000	100%	-
<b>TOTAL EXPENDITURES</b>	<b>200,000</b>	<b>-</b>	<b>200,000</b>	<b>0%</b>	<b>-</b>
<b>ENDING FUND BALANCE</b>	<b>19,863</b>		<b>28,895</b>		

**TOWN OF GRAND CHUTE  
SPECIAL REVENUE FUNDS  
2015 BUDGET STATEMENT  
OCTOBER 2015**

<b>PARK DEVELOPMENT</b>	<b>2015 BUDGET</b>	<b>CURRENT MONTH</b>	<b>2015 YTD</b>	<b>% BUDGET</b>	<b>REMAINING BUDGET</b>
<b>BEGINNING FUND BALANCE</b>	191,223	-	193,780		
<b>REVENUES</b>					
Park Development Fees	46,000	3,800	37,200	81%	8,800
Interest	1,500	(2)	1,086	72%	414
<b>TOTAL REVENUES</b>	<b>47,500</b>	<b>3,798</b>	<b>38,286</b>	<b>81%</b>	<b>9,214</b>
Park Fund Expense	225,000	-	225,000	100%	-
<b>ENDING FUND BALANCE</b>	<b>13,723</b>		<b>7,066</b>		
<b>FIRE PREVENTION</b>	<b>2015 BUDGET</b>	<b>CURRENT MONTH</b>	<b>2015 YTD</b>	<b>% BUDGET</b>	<b>REMAINING BUDGET</b>
<b>BEGINNING FUND BALANCE</b>	3,477	-	3,477		
<b>REVENUES</b>					
Fire Safety Day Revenue	-	-	1,524	0%	(1,524)
Donations	-	-	-	0%	-
<b>TOTAL REVENUES</b>	<b>-</b>	<b>-</b>	<b>1,524</b>	<b>0%</b>	<b>(1,524)</b>
<b>EXPENDITURES</b>	<b>-</b>	<b>1,280</b>	<b>1,280</b>	<b>0%</b>	<b>(1,280)</b>
<b>ENDING FUND BALANCE</b>	<b>3,477</b>	<b>-</b>	<b>3,722</b>		
<b>POLICE K-9</b>	<b>2015 BUDGET</b>	<b>CURRENT MONTH</b>	<b>2015 YTD</b>	<b>% BUDGET</b>	<b>REMAINING BUDGET</b>
<b>BEGINNING FUND BALANCE</b>	7,179	-	7,179		
<b>REVENUES</b>					
Donations	-	-	20	0%	(20)
<b>TOTAL REVENUES</b>	<b>-</b>	<b>-</b>	<b>20</b>	<b>0%</b>	<b>(20)</b>
<b>EXPENDITURES</b>	<b>-</b>	<b>-</b>	<b>2,306</b>	<b>0%</b>	<b>(2,306)</b>
<b>ENDING FUND BALANCE</b>	<b>7,179</b>		<b>4,893</b>		

**TOWN OF GRAND CHUTE  
CAPITAL PROJECTS FUND  
2015 BUDGET STATEMENT  
OCTOBER 2015**

	2015 BUDGET	CURRENT MONTH	2015 YTD	% BUDGET	REMAINING BUDGET
<b>BEGINNING FUND BALANCE</b>	1,105,332		1,511,318		
<b>REVENUES</b>					
Borrowing-Long Term	8,700,000	-	-	0%	8,700,000
General Fund/Mill Tax	-	-	-	-	-
Developer Contributions	-	-	-	-	-
Interest	-	-	-	-	-
Transfer From Other Funds	425,000	-	455,000	107%	(30,000)
<b>TOTAL REVENUES</b>	9,125,000	-	455,000	5%	8,670,000
<b>TOTAL RESOURCES</b>	10,230,332	-	1,966,318	19%	8,670,000
<b>EXPENDITURES</b>					
Recreation-park/Trails	522,000	760	253,020	48%	268,980
Street Construction	5,420,380	793,774	2,473,810	46%	2,946,570
Accounting Software	-	-	2,014	0%	(2,014)
Vehicle Replacement	177,800	-	-	0%	177,800
Public Facilities	20,000	-	140,102	701%	(120,102)
Fire Station	2,900,000	57,111	2,201,861	76%	698,139
Issuance Fee	100,000	-	-	0%	100,000
<b>TOTAL EXPENDITURES</b>	9,140,180	851,644	5,070,808	55%	4,069,372
<b>ENDING FUND BALANCE</b>	1,090,152		(3,104,490)		

**TOWN OF GRAND CHUTE  
DEBT SERVICE FUND  
2015 BUDGET STATEMENT  
OCTOBER 2015**

	2015 BUDGET	CURRENT MONTH	2015 YTD	% BUDGET	REMAINING BUDGET
<b>BEGINNING FUND BALANCE</b>	183,228		181,829		
<b>REVENUES</b>					
Mil Tax	2,125,948	-	2,125,948	100%	-
From Special Assessments	2,000,000	-	2,000,000	100%	-
From Park Development	-	-	-	0%	-
From Fire Impact Fee Fund	-	-	-	0%	-
<b>TOTAL REVENUES</b>	4,125,948	-	4,125,948	100%	-
<b>EXPENDITURES</b>					
Debt Principal-'05	855,000	-	855,000	100%	-
Debt Principal-'06	115,000	-	-	0%	115,000
Debt Principal-'08	585,000	-	585,000	100%	-
Debt Principal-'09	380,000	-	380,000	100%	-
Debt Principal-'10	595,000	595,000	595,000	100%	-
Debt Principal-'12	705,000	-	705,000	100%	-
Debt Principal-'14	650,000	-	-	0%	650,000
Debt Interest-'05	14,962	-	14,963	100%	(1)
Debt Interest-'06	8,913	-	4,456	50%	4,457
Debt Interest-'08	92,138	-	92,138	100%	-
Debt Interest-'09	57,513	28,756	57,513	100%	1
Debt Interest-'10	88,551	-	44,275	50%	44,276
Debt Interest-'12	68,171	-	68,171	100%	(0)
Debt Interest-'14	50,000	-	-	0%	50,000
Payment to refund bond escrow	5,000	-	-	0%	5,000
<b>TOTAL EXPENDITURES</b>	4,270,248	623,756	3,401,516	80%	868,733
<b>ENDING FUND BALANCE</b>	38,928		906,262		

**TOWN OF GRAND CHUTE  
SPECIAL ASSESSMENT FUNDS  
2015 BUDGET STATEMENT  
OCTOBER 2015**

SPECIAL ASSESSMENTS	2015 BUDGET	CURRENT MONTH	2015 YTD	% BUDGET	REMAINING BUDGET
<b>BEGINNING FUND BALANCE</b>	2,601,372		4,356,879		
<b>REVENUES</b>					
Special Assessments	1,350,000	339,553	1,670,843	124%	(320,843)
Interest on Special Assessments	160,000	369	164,526	103%	(4,526)
<b>TOTAL REVENUES</b>	<b>1,510,000</b>	<b>339,922</b>	<b>1,835,369</b>	<b>122%</b>	<b>(325,369)</b>
<b>TOTAL RESOURCES</b>	<b>4,111,372</b>	<b>339,922</b>	<b>6,192,248</b>	<b>151%</b>	<b>(325,369)</b>
<b>EXPENDITURES</b>					
Uncollectible Special Assessment	-	1,798	32,422	0%	(32,422)
Transfer to Debt Service	2,000,000	-	2,000,000	100%	-
Transfer to General Fund	500,000	-	-	0%	500,000
<b>TOTAL EXPENDITURES</b>	<b>2,500,000</b>	<b>1,798</b>	<b>2,032,422</b>	<b>81%</b>	<b>467,578</b>
<b>ENDING FUND BALANCE</b>	<b>1,611,372</b>	<b>338,124</b>	<b>4,159,826</b>		

**TOWN OF GRAND CHUTE  
TAX INCREMENT DISTRICT NO. 1  
2015 BUDGET STATEMENT  
OCTOBER 2015**

	2015 BUDGET	CURRENT MONTH	2015 YTD	% BUDGET	REMAINING BUDGET
<b>BEGINNING FUND BALANCE</b>	-		(27,461)		
<b>REVENUES</b>					
Borrowing-Long Term	-	-	-	0%	-
General Fund/Mill Tax	-	-	-	0%	-
Miscellaneous Income	-	-	-	0%	-
Interest	-	(199)	5,375	0%	(5,375)
Sale of Land	-	-	800,101	0%	(800,101)
Transfer from General Fund	-	-	2,000,000	0%	(2,000,000)
<b>TOTAL REVENUES</b>	-	(199)	2,805,475	0%	(2,805,475)
<b>TOTAL RESOURCES</b>	-	(199)	2,778,014	0	(2,805,475)
<b>EXPENDITURES</b>					
Land Acquisition	-	10,755	2,013,283	0%	(2,013,283)
Site Development	-	-	-	0%	-
Landscape/Tree Enhancement	-	-	-	0%	-
Contracted Services	-	17,628	53,380	0%	(53,380)
Street Outlay	-	-	-	0%	-
Traffic Signals	-	-	-	0%	-
Streetlights	-	-	-	0%	-
Water Outlay	-	-	-	0%	-
Sewer Outlay	-	-	-	0%	-
Storm Outlay	-	-	-	0%	-
Administrative Expenses	-	834	36,040	0%	(36,040)
Debt Expense	-	-	-	0%	-
Interest to General Fund	-	1,667	16,667	0%	(16,667)
<b>TOTAL EXPENDITURES</b>	-	30,883	2,119,370	0%	(2,119,370)
<b>ENDING FUND BALANCE</b>	-		658,645		

**TOWN OF GRAND CHUTE  
TAX INCREMENT DISTRICT NO. 2  
2015 BUDGET STATEMENT  
OCTOBER 2015**

	2015 BUDGET	CURRENT MONTH	2015 YTD	% BUDGET	REMAINING BUDGET
<b>BEGINNING FUND BALANCE</b>	-		-		
<b>REVENUES</b>					
Borrowing-Long Term	-	-	-	0%	-
General Fund/Mill Tax	-	-	-	0%	-
Miscellaneous Income	-	-	-	0%	-
Interest	-	(2)	(2)	0%	2
Sale of Land	-	-	-	0%	-
Transfer from General Fund	-	-	-	0%	-
<b>TOTAL REVENUES</b>	-	(2)	(2)	0%	2
<b>TOTAL RESOURCES</b>	-	(2)	(2)	0	2
<b>EXPENDITURES</b>					
Land Acquisition	-	-	-	0%	-
Site Development	-	-	-	0%	-
Landscape/Tree Enhancement	-	-	-	0%	-
Contracted Services	-	-	-	0%	-
Street Outlay	-	-	-	0%	-
Traffic Signals	-	-	-	0%	-
Streetlights	-	-	-	0%	-
Water Outlay	-	-	-	0%	-
Sewer Outlay	-	-	-	0%	-
Storm Outlay	-	-	-	0%	-
Administrative Expenses	-	1,758	6,330	0%	(6,330)
Debt Expense	-	-	-	0%	-
Interest to General Fund	-	-	-	0%	-
<b>TOTAL EXPENDITURES</b>	-	1,758	6,330	0%	(6,330)
<b>ENDING FUND BALANCE</b>	-		(6,332)		

**CASH ON HAND  
SEPTEMBER 2015**

<b>GENERAL FUND</b>	
\$	7,443,200
<b>CAPITAL PROJECTS FUND</b>	
\$	(2,260,438)
<b>DEBT SERVICE FUND</b>	
\$	1,530,020
<b>SPECIAL ASSESSMENT FUND</b>	
\$	3,853,951
<b>SPECIAL REVENUE FUNDS</b>	
\$	130,596
<b>TAX INCREMENT DISTRICT #1</b>	
\$	689,727
<b>TAX INCREMENT DISTRICT #2</b>	
\$	(4,571)
<b>SANITARY DISTRICT #1</b>	
\$	(1,921,806)
<b>SANITARY DISTRICT #2</b>	
\$	11,121,449
<b>SANITARY DISTRICT #3</b>	
\$	6,998,334
<b>EASTSIDE UTILITY DISTRICT</b>	
\$	349,729
<b>27,930,190.12</b>	<b>TOTAL CASH ON HAND</b>

**CASH INVESTMENTS**

<b>CHECKING &amp; MONEY MARKET</b>	<b>JP MORGAN INVESTMENT</b>	<b>Bond</b>			
<b>NICOLET BANK</b>	<b>Market Value</b>	<b>Portfolio</b>	<b>Yield Rate</b>	<b>Maturity Date</b>	
\$ 9,768,726	\$ 4,757,503	\$ 992,240	Vining Sparks	1.00%	10/29/2015
Interest Rate 0.50%		\$ 512,525	Vining Sparks	2.40%	12/09/2015
		\$ 102,267	Vining Sparks	2.20%	09/15/2017
<b>STATE POOL</b>	<b>BANK MUTUAL MONEY MARKET</b>	\$ 671,687	Vining Sparks	2.03%	05/30/2017
\$ 189,116	\$ 614,512	\$ 550,208	Vining Sparks	2.00%	05/01/2018
Interest Rate 0.14%	Interest Rate 0.15%				
<b>FIRSTMERIT BANK MONEY MARKET</b>	<b>BUSINESS BANK MONEY MARKET</b>	\$ 249,968	RBC Wealth	0.80%	10/13/2015
\$ 525,038	\$ 6,187,316	\$ 150,755	RBC Wealth	1.05%	10/26/2015
Interest Rate 0.20%	Interest Rate 0.86%	\$ 219,265	RBC Wealth	5.75%	08/15/2016
		\$ 201,046	RBC Wealth	1.00%	08/19/2016
<b>FIRSTMERIT BANK CHECKING</b>		\$ 521,659	RBC Wealth	4.40%	01/15/2017
\$ 1,000		\$ 101,455	RBC Wealth	1.38%	08/01/2017
		\$ 502,390	RBC Wealth	1.45%	11/07/2017
		\$ 458,482	RBC Wealth	1.60%	11/20/2017
		\$ 400,452	RBC Wealth	1.45%	01/17/2018
		\$ 252,579	RBC Wealth	1.55%	02/09/2018
<b>\$ 10,483,880</b>	<b>\$ 11,559,332</b>	<b>\$ 5,886,978.17</b>	<b>SUBTOTALS</b>		
	<b>27,930,190.12</b>				

**GENERAL FUND REVENUES  
2015 BUDGET STATEMENT  
SEPTEMBER 2015**

REVENUE TYPES	2015 BUDGET	CURRENT MONTH	2015 YTD	% BUDGET	(UNDER) OVER
General Operations Tax Levy	7,997,663	-	7,997,828	100%	164
<b>41110 General Property Tax Levy</b>	<b>7,997,663</b>	<b>-</b>	<b>7,997,828</b>	<b>100%</b>	<b>164</b>
<b>Other Taxes</b>					
Rescinded Taxes	25,000	949	18,098	72%	(6,902)
Hold Harmless-Computer Exempt	75,060	-	75,620	101%	560
Omitted Taxes	-	-	3,148	-	3,148
Woodland/Managed Forest	50	-	421	842%	371
Hotel/Motel Tax	316,900	-	163,402	52%	(153,498)
Lieu of Taxes	4,500	-	2,353	52%	(2,147)
Interest on Delinq P.P. Taxes	1,750	86	1,081	62%	(669)
<b>Subtotal - Taxes</b>	<b>423,260</b>	<b>1,035</b>	<b>264,122</b>	<b>62%</b>	<b>(159,138)</b>
<b>Special Assessments</b>					
Special Assessments - Street Lighting	60,000	-	59,907	100%	(93)
<b>Subtotal - Special Assessments</b>	<b>60,000</b>	<b>-</b>	<b>59,907</b>	<b>100%</b>	<b>(93)</b>
<b>Intergovernmental Revenues</b>					
Shared Revenue from State	269,458	-	40,419	15%	(229,039)
Fire Insurance from State	82,850	-	87,544	106%	4,694
State Aid - Police	4,300	-	3,200	74%	(1,100)
Grants - State/Federal	47,169	14,712	28,794	61%	(18,375)
State Transportation Aids	785,984	-	588,347	75%	(197,637)
Highway Federal Grants	-	-	60	-	60
School Liaison Reimbursement	20,361	-	10,180	50%	(10,181)
Recycling-Cty Reimbursement	125,600	9,910	69,534	55%	(56,066)
Mass Transit	439,182	-	92,911	21%	(346,271)
<b>Subtotal - Intergovernmental Revenues</b>	<b>1,774,904</b>	<b>24,622</b>	<b>920,989</b>	<b>52%</b>	<b>(853,915)</b>
<b>Licenses &amp; Permits</b>					
Business or Occupation License	29,000	3,080	39,920	138%	10,920
Business License-Liquor	40,000	815	56,713	142%	16,713
Business License-Cable TV	290,000	-	147,819	51%	(142,181)
Business License-Pawn/2nd Hand	-	878	1,945	-	1,945
Hotel License	-	-	550	-	550
Non-business License	3,500	250	2,523	72%	(977)
Burning Permits	500	-	650	130%	150
Occupancy Inspections	1,500	75	1,875	125%	375
Building Permits	250,000	37,461	264,786	106%	14,786
Building Permits - Lot Access	5,000	480	4,390	88%	(610)
Utility/Open Cut Permits	20,000	2,011	23,763	119%	3,763
Zoning Permits	40,000	4,225	39,330	98%	(670)
Site Erosion Control Plan Review Fee	7,000	600	5,900	84%	(1,100)
Drainage Inspection Fee	40,000	6,100	34,250	86%	(5,750)
Wetland Delineations	14,000	5,275	18,365	131%	4,365
Building Plan Review Fee	47,000	-	3,877	8%	(43,123)
Erosion Control Inspection Fee	17,000	1,500	14,985	88%	(2,015)
Drainage Plan Review Fee	1,500	200	1,400	93%	(100)
Maps and Plans	500	115	285	57%	(215)
<b>Subtotal - Licenses &amp; Permits</b>	<b>806,500</b>	<b>63,064</b>	<b>663,326</b>	<b>82%</b>	<b>(143,174)</b>
<b>Fines, Forfeitures &amp; Penalties</b>					
Court Penalties & Costs	390,000	37,607	353,356	91%	(36,644)
Parking Tickets	20,000	800	15,610	78%	(4,390)
Judgment & Damages	2,500	324	3,286	131%	786

REVENUE TYPES	2015 BUDGET	CURRENT MONTH	2015 YTD	% BUDGET	(UNDER) OVER
<b>Subtotal - Fines, Forfeitures &amp; Penalties</b>	<b>412,500</b>	<b>39,081</b>	<b>372,602</b>	<b>90%</b>	<b>(39,898)</b>
<b>Public Charges for Services</b>					
General Government	18,000	1,425	18,073	100%	73
Police Department Fees	8,000	165	2,266	28%	(5,734)
Police Department Fees / Fingerprinting	5,000	204	4,564	91%	(436)
Police Department Contracted Services	13,000	395	16,859	130%	3,859
False Alarms	27,000	1,875	23,096	86%	(3,904)
Fire Department Fees	18,200	3,169	15,230	84%	(2,970)
Fire Protection Systems Fee	2,500	375	2,650	106%	150
Tank Installation Standby Fee	700	-	395	56%	(305)
Tent Inspection Permit	1,000	50	800	80%	(200)
Firework Permits	350	-	250	71%	(100)
Highway Material/Maintenance	12,000	856	11,074	92%	(926)
Sp Charge-Refuse Collection	747,415	-	768,390	103%	20,975
Sp Charge-Recycling Collection	315,500	-	315,700	100%	200
Weed Control	1,000	(161)	101	10%	(899)
Cemetery	50	-	189	378%	139
Park Rentals	11,000	598	8,434	77%	(2,566)
Recreation Fees	5,000	438	4,996	100%	(4)
Property Record Mgmt Fees	35,000	2,500	17,940	51%	(17,060)
<b>Subtotal - Public Charges for Services</b>	<b>1,220,715</b>	<b>11,889</b>	<b>1,211,007</b>	<b>99%</b>	<b>(9,708)</b>
<b>Miscellaneous Revenue</b>					
Fire Inspections - Tanks	4,000	-	4,590	115%	590
Police Department Abandon Vehicle	4,000	365	3,422	86%	(578)
Interest Earnings /Change in Market Value	225,000	21,422	110,166	49%	(114,834)
Interest Income - TIF District	-	1,667	15,000	-	15,000
General Admin Fees	2,000	253	3,204	160%	1,204
Rent-Town Hall	300	150	1,354	451%	1,054
Rent - San Districts	134,280	11,190	100,710	75%	(33,570)
Land Lease Revenue	-	-	2,500	-	2,500
Sale Police Equip	24,000	-	25,786	107%	1,786
Sale Hwy Equip	25,000	-	43	0%	(24,957)
Police Insurance Recoveries	5,000	-	15,698	314%	10,698
Fire - Insurance Recoveries	-	-	14,356	-	14,356
DPW - Insurance Recoveries	3,000	-	1,633	54%	(1,367)
Insurance Dividends	40,596	-	-	0%	(40,596)
Donations-Parks	1,500	-	3,286	219%	1,786
Donations-Park Recreation	1,200	-	1,225	102%	25
Donations-Crime Prevention	1,000	-	-	0%	(1,000)
Police Unclaimed Property	-	-	2,227	-	2,227
Police Reimbursement	500	-	-	0%	(500)
Admin Reimbursement	-	5,204	39,423	-	39,423
Donations-Fire Dept	200	100	200	100%	-
Commission - Soda Machine	250	312	392	157%	142
Misc Revenues	10,000	35	16,416	164%	6,416
Credit Card Rebate	30,000	-	36,650	122%	6,650
<b>Subtotal - Miscellaneous Revenue</b>	<b>511,826</b>	<b>41,411</b>	<b>401,803</b>	<b>79%</b>	<b>(110,023)</b>
<b>Other Financing Sources</b>					
Allocated Hwy Labor & Maint	225,000	12,983	150,942	67%	(74,058)
Transfer from San Dist #3	5,000	-	-	0%	(5,000)
Transfer from Other Funds	110,900	-	-	0%	(110,900)
Fund Balance-Applied to Budget	125,000	-	-	0%	(125,000)
<b>Subtotal - Other Financing Sources</b>	<b>465,900</b>	<b>12,983</b>	<b>150,942</b>	<b>32%</b>	<b>(314,958)</b>
<b>Total Revenues w/o Property Tax</b>	<b>5,675,605</b>	<b>194,084</b>	<b>4,044,698</b>	<b>71%</b>	<b>(1,630,907)</b>
<b>Total Revenues</b>	<b>13,673,268</b>	<b>194,084</b>	<b>12,042,526</b>	<b>88%</b>	<b>(1,630,742)</b>

**TOWN OF GRAND CHUTE  
GENERAL FUNDED DEPARTMENTS  
2015 BUDGET STATEMENT  
SEPTEMBER 2015**

DEPARTMENT	2015 BUDGET	CURRENT MONTH	2015 YTD	% BUDGET	REMAINING BUDGET
<b>General Government</b>					
51100 Town Board	90,230	6,952	64,796	72%	25,434
51200 Municipal Court	186,500	8,566	101,851	55%	84,649
51300 Legal	70,000	-	16,120	23%	53,880
51400 General Administration	760,542	50,583	683,250	90%	77,292
51420 Town Clerk	137,390	10,039	86,986	63%	50,404
51440 Elections	32,320	44	19,179	59%	13,141
51501 Treasurer	200,480	18,524	158,961	79%	41,520
51600 Municipal Complex	269,145	17,045	172,176	64%	96,969
51910 Erroneous Taxes, Tax Refunds	60,000	-	33,819	56%	26,181
51938 Property & Liability Insurance	241,615	-	313,456	130%	(71,841)
<b>Subtotal - General Government</b>	<b>2,048,222</b>	<b>111,752</b>	<b>1,650,594</b>	<b>81%</b>	<b>397,629</b>
<b>Public Safety</b>					
52100 Police - Patrol	2,885,876	182,852	1,945,035	67%	940,842
52110 Police - Administration	485,845	38,071	362,071	75%	123,774
52120 Police - Investigations	678,421	46,294	450,713	66%	227,708
54100 Animal Control	6,200	229	3,300	53%	2,900
52200 Fire Department	2,809,435	196,861	1,862,136	66%	947,299
<b>Subtotal - Public Safety</b>	<b>6,865,777</b>	<b>464,307</b>	<b>4,623,255</b>	<b>67%</b>	<b>2,242,522</b>
<b>Public Works</b>					
53311 Highway	798,225	48,837	484,428	61%	313,797
53312 Winter Maintenance	227,634	2,578	145,456	64%	82,178
53313 Hwy Shop	331,150	24,428	277,047	84%	54,103
53420 Street Lights	317,700	25,740	176,449	56%	141,251
53520 Bus Service	560,700	45,313	407,817	73%	152,883
53620 Refuse & Landfill	755,400	60,882	409,766	54%	345,634
53635 Recycling Charges	518,215	35,775	274,664	53%	243,551
53640 Weed & Nuisance Control	4,610	184	1,170	25%	3,440
54910 Cemetery	1,720	124	1,370	80%	350
<b>Subtotal - Public Works</b>	<b>3,515,354</b>	<b>243,899</b>	<b>2,178,415</b>	<b>62%</b>	<b>1,336,939</b>

**TOWN OF GRAND CHUTE  
GENERAL FUNDED DEPARTMENTS  
2015 BUDGET STATEMENT  
SEPTEMBER 2015**

DEPARTMENT	2015 BUDGET	CURRENT MONTH	2015 YTD	% BUDGET	REMAINING BUDGET
Parks & Recreation					
55200 Parks Maintenance	204,070	(105,291)	162,551	80%	41,519
55300 Recreation	16,690	429	12,547	75%	4,143
55400 Trails Maintenance	13,965	216	5,512	39%	8,453
<b>Subtotal - Parks &amp; Recreation</b>	<b>234,725</b>	<b>(104,647)</b>	<b>180,610</b>	<b>77%</b>	<b>54,115</b>
Community Development					
51502 Assessment of Property	242,260	13,238	173,328	72%	68,932
52400 Building Inspection/Code Enforcement	309,870	23,520	247,087	80%	62,783
56900 Planning & Zoning	276,270	14,955	122,473	44%	153,797
<b>Subtotal - Community Development</b>	<b>828,400</b>	<b>51,713</b>	<b>542,888</b>	<b>66%</b>	<b>285,512</b>
Other Financing Uses					
59900 Contingency	180,790	-	-	0%	180,790
<b>Total - General Fund Operating</b>	<b>13,673,268</b>	<b>767,025</b>	<b>9,175,762</b>	<b>67%</b>	<b>4,497,507</b>
Transfers					
59200 GF Contribution to Capital Projects	-	-	30,000	0%	(30,000)
59200 GF Contribution to Tax Increment District	-	-	2,000,000	0%	(2,000,000)
<b>TOTAL - GEN'L FUND OPERATING, CAPITAL &amp; DEB</b>	<b>13,673,268</b>	<b>767,025</b>	<b>11,205,762</b>	<b>82%</b>	<b>2,467,507</b>

**TOWN OF GRAND CHUTE  
SPECIAL REVENUE FUNDS  
2015 BUDGET STATEMENT  
SEPTEMBER 2015**

<b>ROOM TAX</b>	<b>2015 BUDGET</b>	<b>CURRENT MONTH</b>	<b>2015 YTD</b>	<b>% BUDGET</b>	<b>REMAINING BUDGET</b>
<b>BEGINNING FUND BALANCE</b>	75,489		75,490		
<b>REVENUES</b>					
Public Accomodation-Town Gen	75,800	-	39,427	52%	36,373
Public Accomodation-Town Dev	241,100	-	123,975	51%	117,125
Public Accomodation-Econ Dev	723,200	4,101	382,185	53%	341,015
<b>TOTAL REVENUES</b>	<b>1,040,100</b>	<b>4,101</b>	<b>545,588</b>	<b>52%</b>	<b>494,512</b>
<b>TOTAL RESOURCES</b>	<b>1,115,589</b>	<b>4,101</b>	<b>621,078</b>	<b>56%</b>	<b>494,512</b>
<b>EXPENDITURES</b>					
Economic Dev-Convention Bureau	723,200	-	371,926	51%	351,274
<b>TOTAL EXPENDITURES</b>	<b>723,200</b>	<b>-</b>	<b>371,926</b>	<b>51%</b>	<b>351,274</b>
Transfer to General Fund	316,900	-	163,402	52%	153,498
<b>ENDING FUND BALANCE</b>	<b>75,489</b>		<b>85,750</b>		
<b>FIRE STATION DEVELOPMENT</b>					
<b>FIRE STATION DEVELOPMENT</b>	<b>2015 BUDGET</b>	<b>CURRENT MONTH</b>	<b>2015 YTD</b>	<b>% BUDGET</b>	<b>REMAINING BUDGET</b>
<b>BEGINNING FUND BALANCE</b>	161,738		164,348		
<b>REVENUES</b>					
Impact Fee	58,000	9,849	59,737	103%	(1,737)
Interest	125	37	1,100	880%	(975)
<b>TOTAL REVENUES</b>	<b>58,125</b>	<b>9,886</b>	<b>60,837</b>	<b>0%</b>	<b>(2,712)</b>
<b>TOTAL RESOURCES</b>	<b>219,863</b>	<b>9,886</b>	<b>225,185</b>	<b>0%</b>	<b>(2,712)</b>
<b>EXPENDITURES</b>					
FD Construction	-	-	-	0%	-
Transfer to Capital Projects	200,000	-	200,000	100%	-
<b>TOTAL EXPENDITURES</b>	<b>200,000</b>	<b>-</b>	<b>200,000</b>	<b>0%</b>	<b>-</b>
<b>ENDING FUND BALANCE</b>	<b>19,863</b>		<b>25,185</b>		

**TOWN OF GRAND CHUTE  
SPECIAL REVENUE FUNDS  
2015 BUDGET STATEMENT  
SEPTEMBER 2015**

<b>PARK DEVELOPMENT</b>	<b>2015 BUDGET</b>	<b>CURRENT MONTH</b>	<b>2015 YTD</b>	<b>% BUDGET</b>	<b>REMAINING BUDGET</b>
<b>BEGINNING FUND BALANCE</b>	191,223	-	193,780		
<b>REVENUES</b>					
Park Development Fees	46,000	14,200	33,400	73%	12,600
Interest	1,500	(7)	1,088	73%	412
<b>TOTAL REVENUES</b>	<b>47,500</b>	<b>14,193</b>	<b>34,488</b>	<b>73%</b>	<b>13,012</b>
Park Fund Expense	225,000	-	225,000	100%	-
<b>ENDING FUND BALANCE</b>	<b>13,723</b>		<b>3,268</b>		
<b>FIRE PREVENTION</b>	<b>2015 BUDGET</b>	<b>CURRENT MONTH</b>	<b>2015 YTD</b>	<b>% BUDGET</b>	<b>REMAINING BUDGET</b>
<b>BEGINNING FUND BALANCE</b>	3,477	-	3,477		
<b>REVENUES</b>					
Fire Safety Day Revenue	-	274	1,524	0%	(1,524)
Donations	-	-	-	0%	-
<b>TOTAL REVENUES</b>	<b>-</b>	<b>274</b>	<b>1,524</b>	<b>0%</b>	<b>(1,524)</b>
<b>EXPENDITURES</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0%</b>	<b>-</b>
<b>ENDING FUND BALANCE</b>	<b>3,477</b>	<b>-</b>	<b>5,001</b>		
<b>POLICE K-9</b>	<b>2015 BUDGET</b>	<b>CURRENT MONTH</b>	<b>2015 YTD</b>	<b>% BUDGET</b>	<b>REMAINING BUDGET</b>
<b>BEGINNING FUND BALANCE</b>	7,179	-	7,179		
<b>REVENUES</b>					
Donations	-	20	20	0%	(20)
<b>TOTAL REVENUES</b>	<b>-</b>	<b>20</b>	<b>20</b>	<b>0%</b>	<b>(20)</b>
<b>EXPENDITURES</b>	<b>-</b>	<b>-</b>	<b>2,306</b>	<b>0%</b>	<b>(2,306)</b>
<b>ENDING FUND BALANCE</b>	<b>7,179</b>		<b>4,893</b>		

**TOWN OF GRAND CHUTE  
CAPITAL PROJECTS FUND  
2015 BUDGET STATEMENT  
SEPTEMBER 2015**

	2015 BUDGET	CURRENT MONTH	2015 YTD	% BUDGET	REMAINING BUDGET
<b>BEGINNING FUND BALANCE</b>	1,105,332		1,511,318		
<b>REVENUES</b>					
Borrowing-Long Term	8,700,000	-	-	0%	8,700,000
General Fund/Mill Tax	-	-	-	-	-
Developer Contributions	-	-	-	-	-
Interest	-	-	-	-	-
Transfer From Other Funds	425,000	-	455,000	107%	(30,000)
<b>TOTAL REVENUES</b>	9,125,000	-	455,000	5%	8,670,000
<b>TOTAL RESOURCES</b>	10,230,332	-	1,966,318	19%	8,670,000
<b>EXPENDITURES</b>					
Recreation-park/Trails	522,000	122,470	252,261	48%	269,739
Street Construction	5,420,380	694,882	1,680,036	31%	3,740,344
Accounting Software	-	2,732	2,014	0%	(2,014)
Vehicle Replacement	177,800	-	-	0%	177,800
Public Facilities	20,000	-	140,102	701%	(120,102)
Fire Station	2,900,000	118,832	2,144,751	74%	755,249
Issuance Fee	100,000	-	-	0%	100,000
<b>TOTAL EXPENDITURES</b>	9,140,180	938,916	4,219,164	46%	4,921,016
<b>ENDING FUND BALANCE</b>	1,090,152		(2,252,846)		

**TOWN OF GRAND CHUTE  
DEBT SERVICE FUND  
2015 BUDGET STATEMENT  
SEPTEMBER 2015**

	2015 BUDGET	CURRENT MONTH	2015 YTD	% BUDGET	REMAINING BUDGET
<b>BEGINNING FUND BALANCE</b>	183,228		181,829		
<b>REVENUES</b>					
Mil Tax	2,125,948	-	2,125,948	100%	-
From Special Assessments	2,000,000	-	2,000,000	100%	-
From Park Development	-	-	-	0%	-
From Fire Impact Fee Fund	-	-	-	0%	-
<b>TOTAL REVENUES</b>	4,125,948		4,125,948	100%	
<b>EXPENDITURES</b>					
Debt Principal-'05	855,000	-	855,000	100%	-
Debt Principal-'06	115,000	-	-	0%	115,000
Debt Principal-'08	585,000	-	585,000	100%	-
Debt Principal-'09	380,000	380,000	380,000	100%	-
Debt Principal-'10	595,000	-	-	0%	595,000
Debt Principal-'12	705,000	-	705,000	100%	-
Debt Principal-'14	650,000	-	-	0%	650,000
Debt Interest-'05	14,962	-	14,963	100%	(1)
Debt Interest-'06	8,913	-	4,456	50%	4,457
Debt Interest-'08	92,138	-	92,138	100%	-
Debt Interest-'09	57,513	-	28,756	50%	28,757
Debt Interest-'10	88,551	-	44,275	50%	44,276
Debt Interest-'12	68,171	33,116	68,171	100%	(0)
Debt Interest-'14	50,000	-	-	0%	50,000
Payment to refund bond escrow	5,000	-	-	0%	5,000
<b>TOTAL EXPENDITURES</b>	4,270,248	413,116	2,777,759	65%	1,492,489
<b>ENDING FUND BALANCE</b>	38,928		1,530,018		

**TOWN OF GRAND CHUTE  
SPECIAL ASSESSMENT FUNDS  
2015 BUDGET STATEMENT  
SEPTEMBER 2015**

<b>SPECIAL ASSESSMENTS</b>	<b>2015 BUDGET</b>	<b>CURRENT MONTH</b>	<b>2015 YTD</b>	<b>% BUDGET</b>	<b>REMAINING BUDGET</b>
<b>BEGINNING FUND BALANCE</b>	2,601,372		4,356,879		
<b>REVENUES</b>					
Special Assessments	1,350,000	59,753	1,331,290	99%	18,710
Interest on Special Assessments	160,000	286	164,157	103%	(4,157)
<b>TOTAL REVENUES</b>	<b>1,510,000</b>	<b>60,039</b>	<b>1,495,447</b>	<b>99%</b>	<b>14,553</b>
<b>TOTAL RESOURCES</b>	<b>4,111,372</b>	<b>60,039</b>	<b>5,852,326</b>	<b>142%</b>	<b>14,553</b>
<b>EXPENDITURES</b>					
Uncollectible Special Assessment	-	-	30,623	0%	(30,623)
Transfer to Debt Service	2,000,000	-	2,000,000	100%	-
Transfer to General Fund	500,000	-	-	0%	500,000
<b>TOTAL EXPENDITURES</b>	<b>2,500,000</b>	<b>-</b>	<b>2,030,623</b>	<b>81%</b>	<b>469,377</b>
<b>ENDING FUND BALANCE</b>	<b>1,611,372</b>	<b>60,039</b>	<b>3,821,703</b>		

**TOWN OF GRAND CHUTE  
TAX INCREMENT DISTRICT NO. 1  
2015 BUDGET STATEMENT  
SEPTEMBER 2015**

	2015 BUDGET	CURRENT MONTH	2015 YTD	%	REMAINING BUDGET
<b>BEGINNING FUND BALANCE</b>	-		(27,461)		
<b>REVENUES</b>					
Borrowing-Long Term	-	-	-	0%	-
General Fund/Mill Tax	-	-	-	0%	-
Miscellaneous Income	-	-	-	0%	-
Interest	-	1,276	5,574	0%	(5,574)
Sale of Land	-	-	800,101	0%	(800,101)
Transfer from General Fund	-	-	2,000,000	0%	(2,000,000)
<b>TOTAL REVENUES</b>	-	1,276	2,805,674	0%	(2,805,674)
<b>TOTAL RESOURCES</b>	-	1,276	2,778,213	0	(2,805,674)
<b>EXPENDITURES</b>					
Land Acquisition	-	-	2,002,528	0%	(2,002,528)
Site Development	-	-	-	0%	-
Landscape/Tree Enhancement	-	-	-	0%	-
Contracted Services	-	1,200	35,752	0%	(35,752)
Street Outlay	-	-	-	0%	-
Traffic Signals	-	-	-	0%	-
Streetlights	-	-	-	0%	-
Water Outlay	-	-	-	0%	-
Sewer Outlay	-	-	-	0%	-
Storm Outlay	-	-	-	0%	-
Administrative Expenses	-	1,841	35,206	0%	(35,206)
Debt Expense	-	-	-	0%	-
Interest to General Fund	-	1,667	15,000	0%	(15,000)
<b>TOTAL EXPENDITURES</b>	-	4,708	2,088,486	0%	(2,088,486)
<b>ENDING FUND BALANCE</b>	-		689,727		

**TOWN OF GRAND CHUTE  
TAX INCREMENT DISTRICT NO. 2  
2015 BUDGET STATEMENT  
SEPTEMBER 2015**

	2015 BUDGET	CURRENT MONTH	2015 YTD	%	REMAINING BUDGET
<b>BEGINNING FUND BALANCE</b>	-	-	-		-
<b>REVENUES</b>					
Borrowing-Long Term	-	-	-	0%	-
General Fund/Mill Tax	-	-	-	0%	-
Miscellaneous Income	-	-	-	0%	-
Interest	-	-	-	0%	-
Sale of Land	-	-	-	0%	-
Transfer from General Fund	-	-	-	0%	-
<b>TOTAL REVENUES</b>	-	-	-	0%	-
<b>TOTAL RESOURCES</b>	-	-	-	0	-
<b>EXPENDITURES</b>					
Land Acquisition	-	-	-	0%	-
Site Development	-	-	-	0%	-
Landscape/Tree Enhancement	-	-	-	0%	-
Contracted Services	-	-	-	0%	-
Street Outlay	-	-	-	0%	-
Traffic Signals	-	-	-	0%	-
Streetlights	-	-	-	0%	-
Water Outlay	-	-	-	0%	-
Sewer Outlay	-	-	-	0%	-
Storm Outlay	-	-	-	0%	-
Administrative Expenses	-	1,676	4,571	0%	(4,571)
Debt Expense	-	-	-	0%	-
Interest to General Fund	-	-	-	0%	-
<b>TOTAL EXPENDITURES</b>	-	1,676	4,571	0%	(4,571)
<b>ENDING FUND BALANCE</b>	-	-	(4,571)		-

**Town of Grand Chute  
Conditional Use Permit Application Review  
City of Appleton – Northland Avenue Detention Pond**

---

**To: Plan Commission**

**From: Robert Buckingham, Community Development Director**

**Date: February 11, 2016**

**Address: 1850 W. Northland Avenue**

**App. #: CUP-01-16**

---

**REQUEST**

The project consists of constructing a wet detention pond, inlet and outlet sewers, and a low-flow outlet lift station on this 3.6 acre vacant parcel in the Town. The City of Appleton will own and operate this stormwater pond as part of a solution to flooding issues in its W. Wisconsin Avenue drainage basin. A Conditional Use Permit is required to allow filling, grading and pond construction within 300 feet of a navigable stream.

**ANALYSIS**

The attached plan set illustrates the location and design of the pond and associated site improvements. The project includes the excavation of approximately 63,000 cubic yards of material, installation of a 72-inch inlet sewer and 24-inch to 42-inch outlet sewer, an outlet pump station, and a paved access road. All disturbed areas will be re-vegetated and stabilized. The pond area will be restored with native vegetation, and inlet/outlet sewers will be restored with turf grass to match existing conditions. The Town Engineer has approved the stormwater management and erosion control plans for the project.

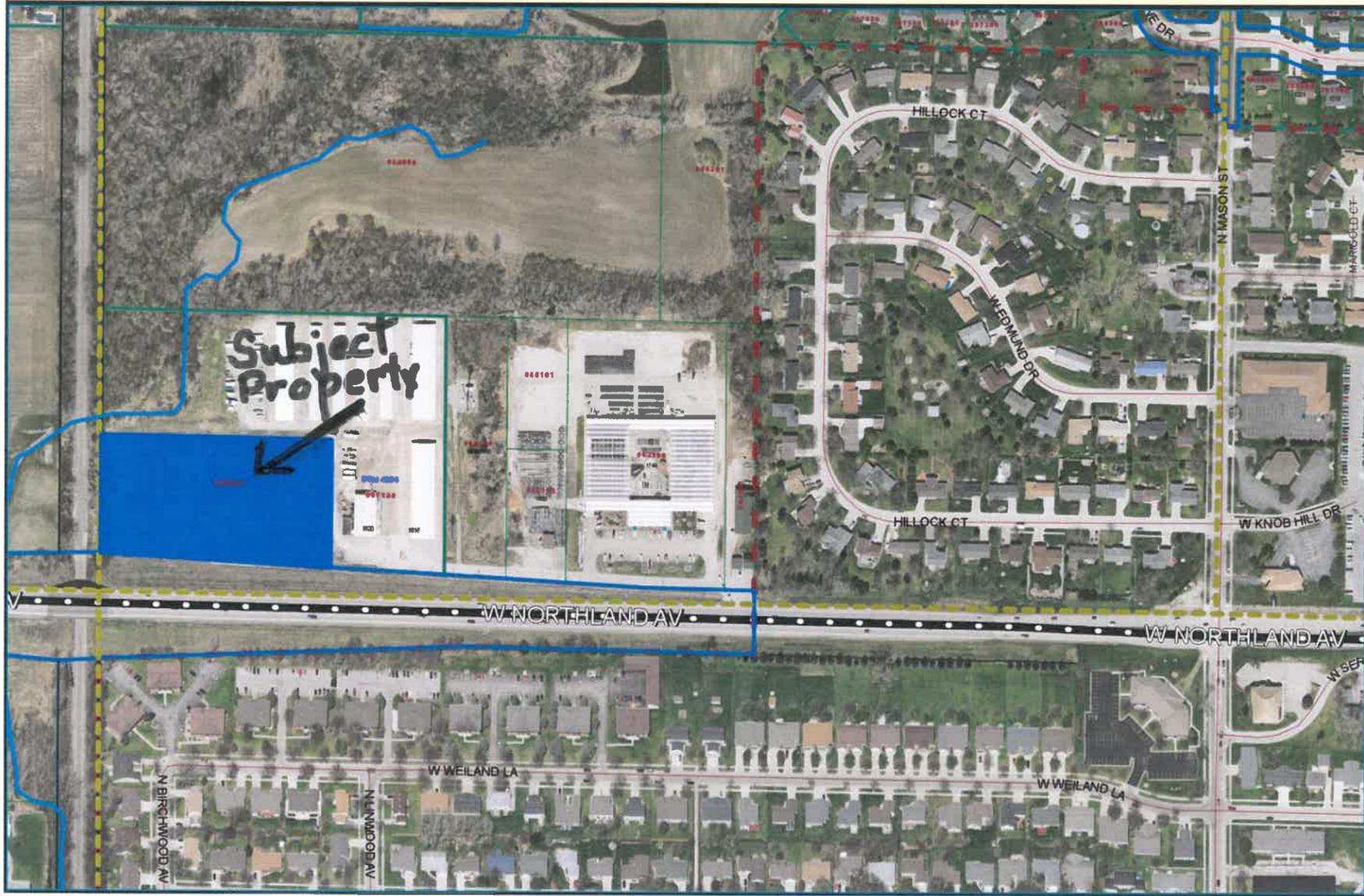
The pond will provide peak flow control/flood protection and water quality for a 113-acre drainage basin located between Northland Avenue and Wisconsin Avenue within the city limits. In addition to Town and County permits, the project requires permits from the WDNR and the U.S. Army Corps of Engineers (USACE). Construction is planned for 2017.

**RECOMMENDATION**

**Staff has reviewed and supports a Plan Commission recommendation for approval of the Conditional Use Permit requested by the City of Appleton to allow filling, grading, and pond construction within 300 feet of a navigable stream at 1850 W. Northland Avenue (Northland Avenue Detention Pond).**

# CUP-01-16

## Grand Chute GIS Map



This map was compiled using data believed to be accurate; however, a degree of error is inherent in all maps. This map was distributed "AS-IS" without warranties of any kind, either expressed or implied, including but not limited to warranties of suitability to a particular purpose or use. No attempt has been made in either the design or production of the maps to define the limits or jurisdiction of any federal, state, or local government. Detailed on-the-ground surveys



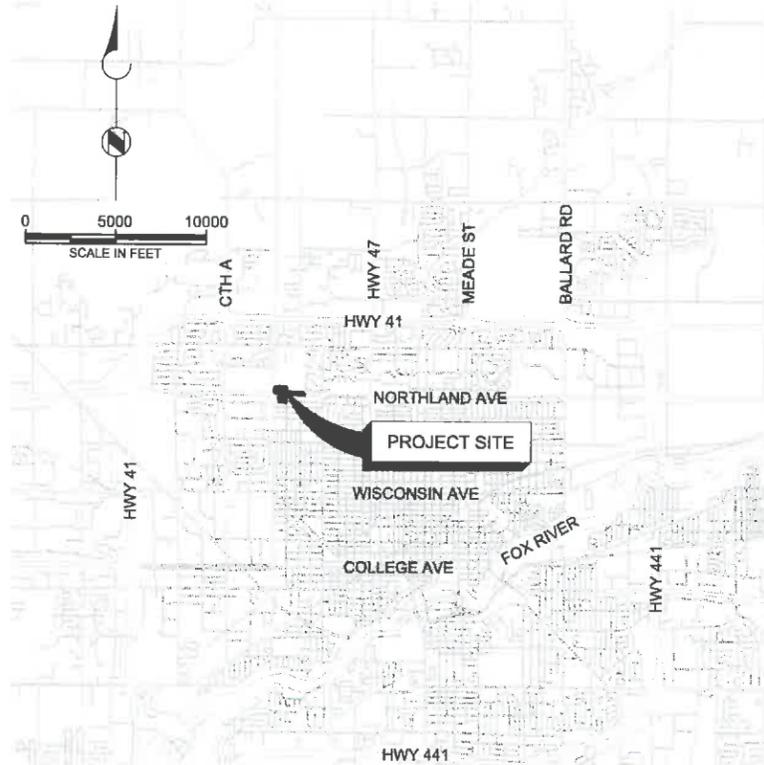
# NORTHLAND AVENUE STORMWATER POND

## CITY OF APPLETON, WI CITY CONTRACT XX-XX

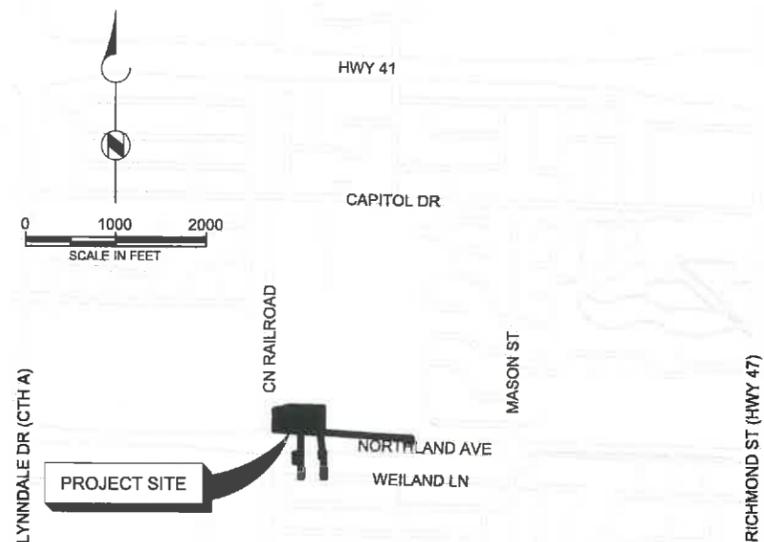
### PERMIT SUBMITTAL DRAWINGS

JANUARY 13, 2016

VICINITY MAP



LOCATION MAP



INDEX OF DRAWINGS

SHEET NUMBER	DRAWING NUMBER	DRAWING TITLE	SHEET NUMBER	DRAWING NUMBER	DRAWING TITLE
1	-	COVER SHEET	29	S-201	STRUCTURAL SECTIONS - 1
2	G-1	SYMBOLS, ABBREVIATIONS, & GENERAL NOTES	30	S-202	STRUCTURAL SECTIONS - 2
3	G-2	PROJECT LAYOUT	31	S-203	ELECTRICAL EQUIPMENT ENCLOSURE
4	C-1	POND EXISTING CONDITIONS & DEMOLITION	32	S-204	OUTLET STRUCTURE - PLAN AND SECTIONS
5	C-2	STORM SEWER EXISTING CONDITIONS, DEMOLITION & EROSION CONTROL	33	E-001	ELECTRICAL LEGEND AND SYMBOLS - 1
6	C-3	POND EROSION CONTROL PLAN	34	E-002	ELECTRICAL LEGEND AND SYMBOLS - 2
7	C-4	POND GRADING PLAN	35	E-003	ELECTRICAL LEGEND AND SYMBOLS - 3
8	C-5	LIFT STATION GRADING PLAN	36	E-004	STANDARD AND MISCELLANEOUS DETAILS
9	C-6	POND CROSS SECTIONS	37	E-010	PUMP STATION POWER ONE LINE DIAGRAM
10	C-7	POND RESTORATION PLAN	38	E-011	MISCELLANEOUS ONE LINE DIAGRAM AND DETAILS
11	C-8	STORM SEWER RESTORATION PLAN	39	E-020	PLC-0001 CONTROL ONE LINE DIAGRAM
12	C-9	POND ACCESS EASEMENT	40	E-101	PUMP STATION - TOP PLAN
13	PP-1	OUTLET STORM SEWER PLAN & PROFILE STA 0+00 TO 4+00	41	E-102	PUMP STATION - TOP PLAN
14	PP-2	OUTLET STORM SEWER PLAN & PROFILE STA 4+00 TO 6+50	42	I-001	INSTRUMENTATION - LEGEND AND SYMBOLS - 1
15	PP-3	OUTLET STORM SEWER PLAN & PROFILE STA 10+00 TO 14+50	43	I-002	INSTRUMENTATION - LEGEND AND SYMBOLS - 2
16	PP-4	INLET STORM SEWER PLAN & PROFILE STA 20+00 TO 24+00	44	I-010	PROCESS AND INSTRUMENTATION DIAGRAM - PUMPS
17	PP-5	INLET STORM SEWER PLAN & PROFILE STA 24+00 TO 26+50	45	D-101	PROCESS - PLAN
18	CD-1	CONSTRUCTION DETAILS I	46	D-201	PROCESS - SECTIONS
19	CD-2	CONSTRUCTION DETAILS II			
20	CD-3	CONSTRUCTION DETAILS III			
21	S-001	STRUCTURAL NOTES 1			
22	S-002	STRUCTURAL NOTES 2			
23	S-003	STRUCTURAL STANDARD DETAILS 1			
24	S-004	STRUCTURAL STANDARD DETAILS 2			
25	S-005	STRUCTURAL STANDARD DETAILS 3			
26	S-101	PUMP STATION - BOTTOM PLAN AND INTAKE PLAN			
27	S-102	PUMP STATION - DISCHARGE PLAN			
28	S-103	PUMP STATION - TOP PLAN			

PREPARED FOR:



CITY OF APPLETON  
100 NORTH APPLETON STREET  
APPLETON, WI  
(920) 832-8474

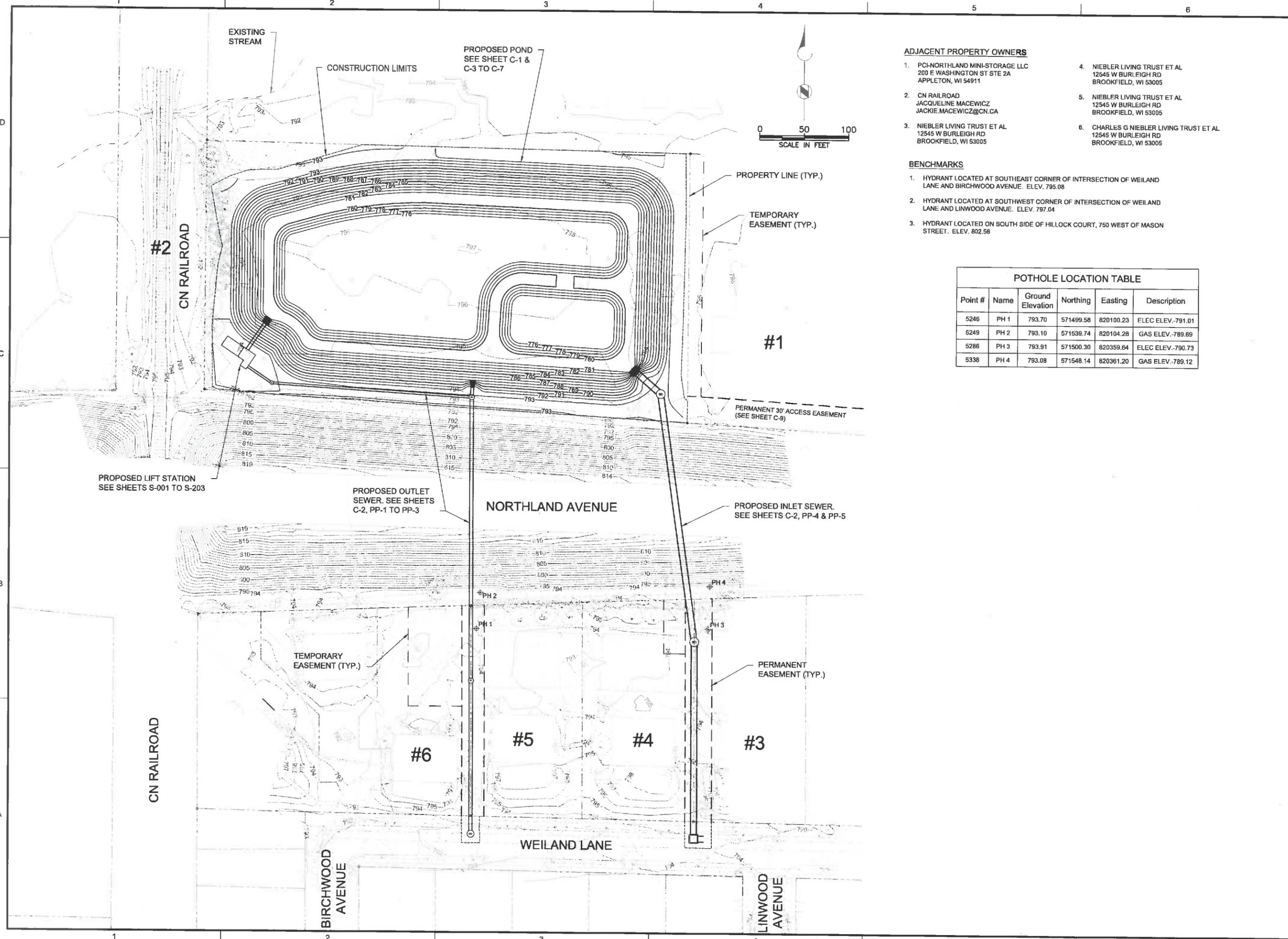
**Brown AND Caldwell**

BROWN AND CALDWELL  
250 EAST WISCONSIN AVENUE  
MILWAUKEE, WI 53202  
(414) 273-8800

ENGR P.E. SEAL AND  
STAMP DESIGNATED  
LOCATION



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**ADJACENT PROPERTY OWNERS**

- |   |  |
|---|--|
| 1. PCH-NORTHLAND MINI-STORAGE LLC<br>200 E WASHINGTON ST STE 2A<br>APPLETON, WI 54911 | 4. NIEBLER LIVING TRUST ET AL<br>12545 W BURLEIGH RD<br>BROOKFIELD, WI 53005           |
| 2. CN RAILROAD<br>JACQUELINE MACEWICZ<br>JACKIE.MACEWICZ@CN.CA                        | 5. NIEBLER LIVING TRUST ET AL<br>12545 W BURLEIGH RD<br>BROOKFIELD, WI 53005           |
| 3. NIEBLER LIVING TRUST ET AL<br>12545 W BURLEIGH RD<br>BROOKFIELD, WI 53005          | 6. CHARLES G NIEBLER LIVING TRUST ET AL<br>12545 W BURLEIGH RD<br>BROOKFIELD, WI 53005 |

**BENCHMARKS**

- HYDRANT LOCATED AT SOUTHEAST CORNER OF INTERSECTION OF WEILAND LANE AND BIRCHWOOD AVENUE. ELEV. 795.08
- HYDRANT LOCATED AT SOUTHWEST CORNER OF INTERSECTION OF WEILAND LANE AND LINWOOD AVENUE. ELEV. 797.04
- HYDRANT LOCATED ON SOUTH SIDE OF HILLOCK COURT, 750 WEST OF MASON STREET. ELEV. 802.56

**POTHOLE LOCATION TABLE**

Point #	Name	Ground Elevation	Northing	Easting	Description
5246	PH 1	793.70	571499.58	820100.23	ELEC ELEV.-791.01
5249	PH 2	793.10	571539.74	820104.28	GAS ELEV.-789.69
5286	PH 3	793.91	571500.30	820359.64	ELEC ELEV.-790.73
5338	PH 4	793.08	571548.14	820361.20	GAS ELEV.-789.12



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CONSTRUCTION  
PERMIT SUBMITTAL  
DRAWINGS**



**NORTHLAND  
AVENUE  
STORMWATER  
POND**

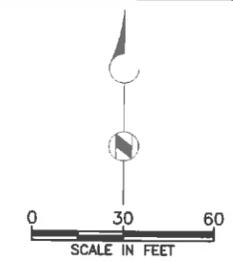
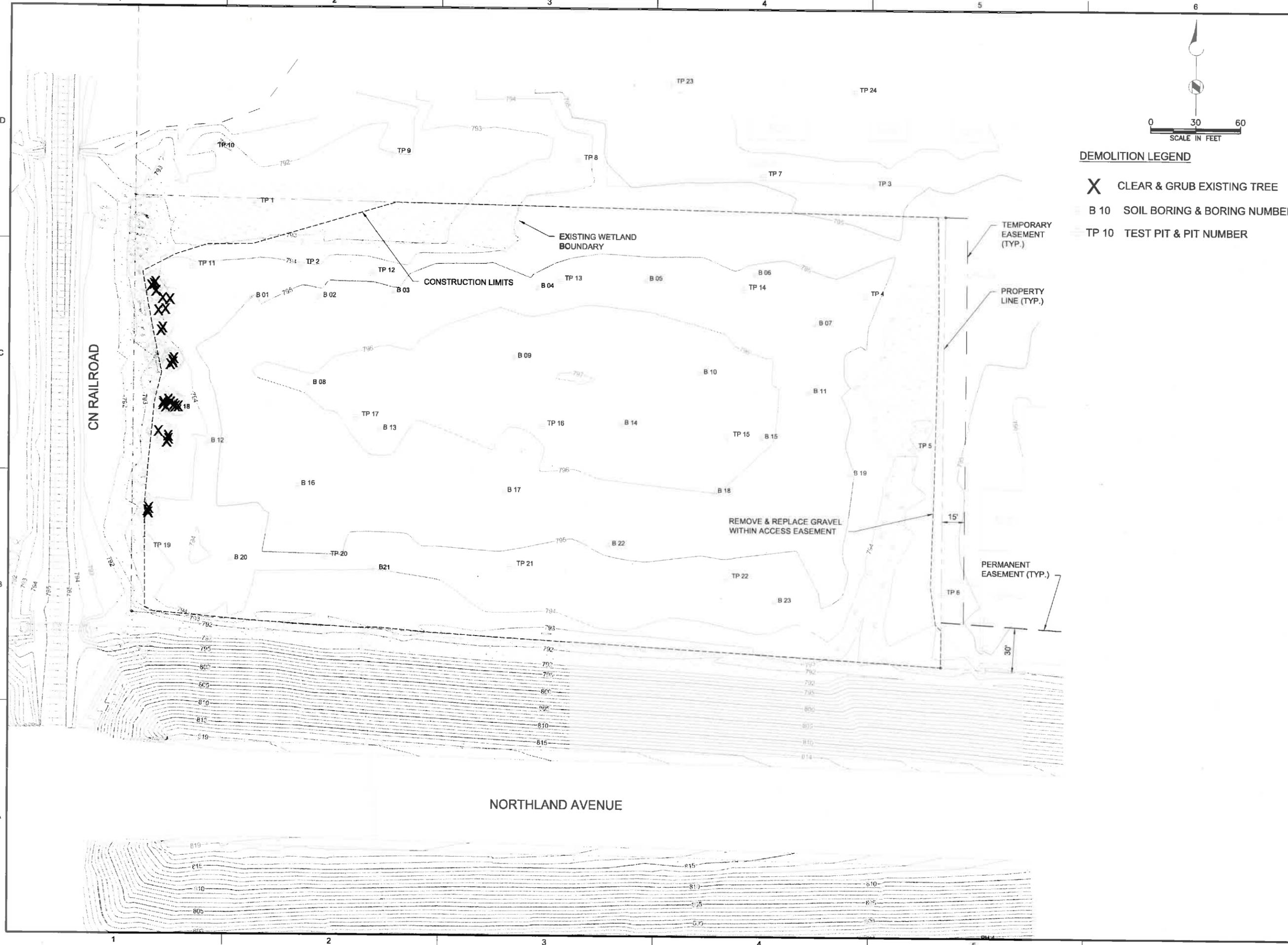
REVISIONS		
REV	DATE	DESCRIPTION

FILENAME: G-02.DWG  
 BC PROJECT NUMBER: 147862  
 CLIENT PROJECT NUMBER: XX-XX

**CIVIL  
PROJECT LAYOUT**

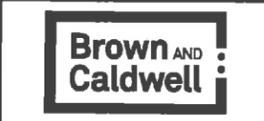
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**G-2**  
 SHEET NUMBER:  
 3 OF 46

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**DEMOLITION LEGEND**

- X CLEAR & GRUB EXISTING TREE
- B 10 SOIL BORING & BORING NUMBER
- TP 10 TEST PIT & PIT NUMBER



**DRAFT  
NOT FOR  
CONSTRUCTION  
PERMIT SUBMITTAL  
DRAWINGS**



**NORTHLAND  
AVENUE  
STORMWATER  
POND**

REVISIONS		
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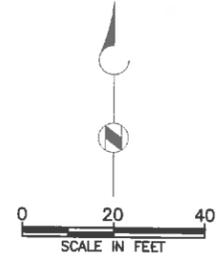
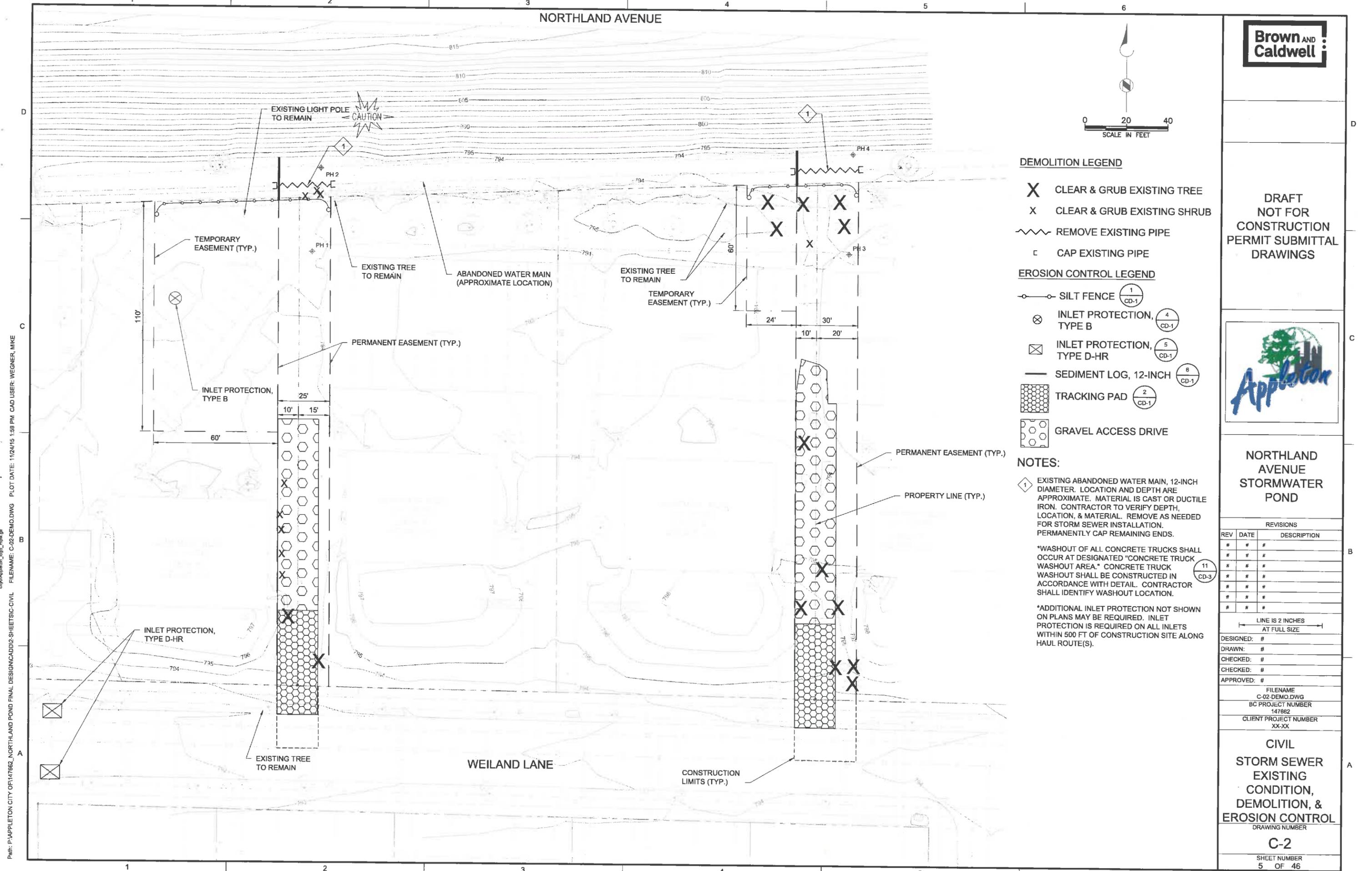
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CHECKED: #  
APPROVED: #

FILENAME: C-01.DWG  
BC PROJECT NUMBER: 147662  
CLIENT PROJECT NUMBER: XX-XX

**CIVIL  
POND EXISTING  
CONDITIONS &  
DEMOLITION**

DRAWING NUMBER  
**C-1**  
SHEET NUMBER  
4 OF 46



**DEMOLITION LEGEND**

- X CLEAR & GRUB EXISTING TREE
- x CLEAR & GRUB EXISTING SHRUB
- ~ REMOVE EXISTING PIPE
- ⌊ CAP EXISTING PIPE

**EROSION CONTROL LEGEND**

- SILT FENCE (1 CD-1)
- ⊗ INLET PROTECTION, TYPE B (4 CD-1)
- ⊠ INLET PROTECTION, TYPE D-HR (5 CD-1)
- SEDIMENT LOG, 12-INCH (6 CD-1)
- ▨ TRACKING PAD (2 CD-1)
- ▩ GRAVEL ACCESS DRIVE

**NOTES:**

- 1 EXISTING ABANDONED WATER MAIN, 12-INCH DIAMETER. LOCATION AND DEPTH ARE APPROXIMATE. MATERIAL IS CAST OR DUCTILE IRON. CONTRACTOR TO VERIFY DEPTH, LOCATION, & MATERIAL. REMOVE AS NEEDED FOR STORM SEWER INSTALLATION. PERMANENTLY CAP REMAINING ENDS.
- 11 WASHOUT OF ALL CONCRETE TRUCKS SHALL OCCUR AT DESIGNATED "CONCRETE TRUCK WASHOUT AREA." CONCRETE TRUCK WASHOUT SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAIL. CONTRACTOR SHALL IDENTIFY WASHOUT LOCATION.
- ADDITIONAL INLET PROTECTION NOT SHOWN ON PLANS MAY BE REQUIRED. INLET PROTECTION IS REQUIRED ON ALL INLETS WITHIN 500 FT OF CONSTRUCTION SITE ALONG HAUL ROUTE(S).

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CONSTRUCTION  
PERMIT SUBMITTAL  
DRAWINGS



**NORTHLAND AVENUE  
STORMWATER  
POND**

REVISIONS		
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FILENAME  
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BC PROJECT NUMBER  
147862  
CLIENT PROJECT NUMBER  
XX-XX

**CIVIL  
STORM SEWER  
EXISTING  
CONDITION,  
DEMOLITION, &  
EROSION CONTROL**  
DRAWING NUMBER

**C-2**  
SHEET NUMBER  
5 OF 46

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**EROSION CONTROL LEGEND**

-  TRACKING PAD 2  
CD-1
-  SOIL STABILIZER, TYPE B
-  EROSION MAT CLASS I URBAN, TYPE A 3  
CD-1
-  RIP-RAP
-  SILT FENCE 1  
CD-1

\*WASHOUT OF ALL CONCRETE TRUCKS SHALL OCCUR AT DESIGNATED "CONCRETE TRUCK WASHOUT AREA." CONCRETE TRUCK WASHOUT SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAIL. CONTRACTOR SHALL IDENTIFY WASHOUT LOCATION.

11  
CD-3

STANDARD NO.	STANDARD DESCRIPTION
1050	LAND APPLICATION OF ANIONIC POLYACRYLAMIDE
1051	WATER APPLICATION OF POLYMERS
1052	NON-CHANNEL EROSION MAT
1053	CHANNEL EROSION MAT
1054	VEGETATIVE BUFFER FOR CONSTRUCTION SITES
1055	SEDIMENT BALE BARRIER
1056	SILT FENCE
1057	STONE TRACKING PAD AND TIRE WASHING
1058	MULCHING FOR CONSTRUCTION SITES
1059	SEEDING
1060	STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES
1061	DE-WATERING
1062	DITCH CHECKS
1063	SEDIMENT TRAP
1064	SEDIMENT BASIN
1066	CONSTRUCTION SITE DIVERSION
1067	GRADING PRACTICES FOR EROSION CONTROL - TEMPORARY
1068	DUST CONTROL
1069	TURBIDITY BARRIERS
1070	SILT CURTAIN

WDNR TECHNICAL STANDARDS CAN BE FOUND AT:  
[http://dnr.wi.gov/topic/Stormwater/standards/const\\_standards.html](http://dnr.wi.gov/topic/Stormwater/standards/const_standards.html)

**EROSION CONTROL NOTES**

**GENERAL**

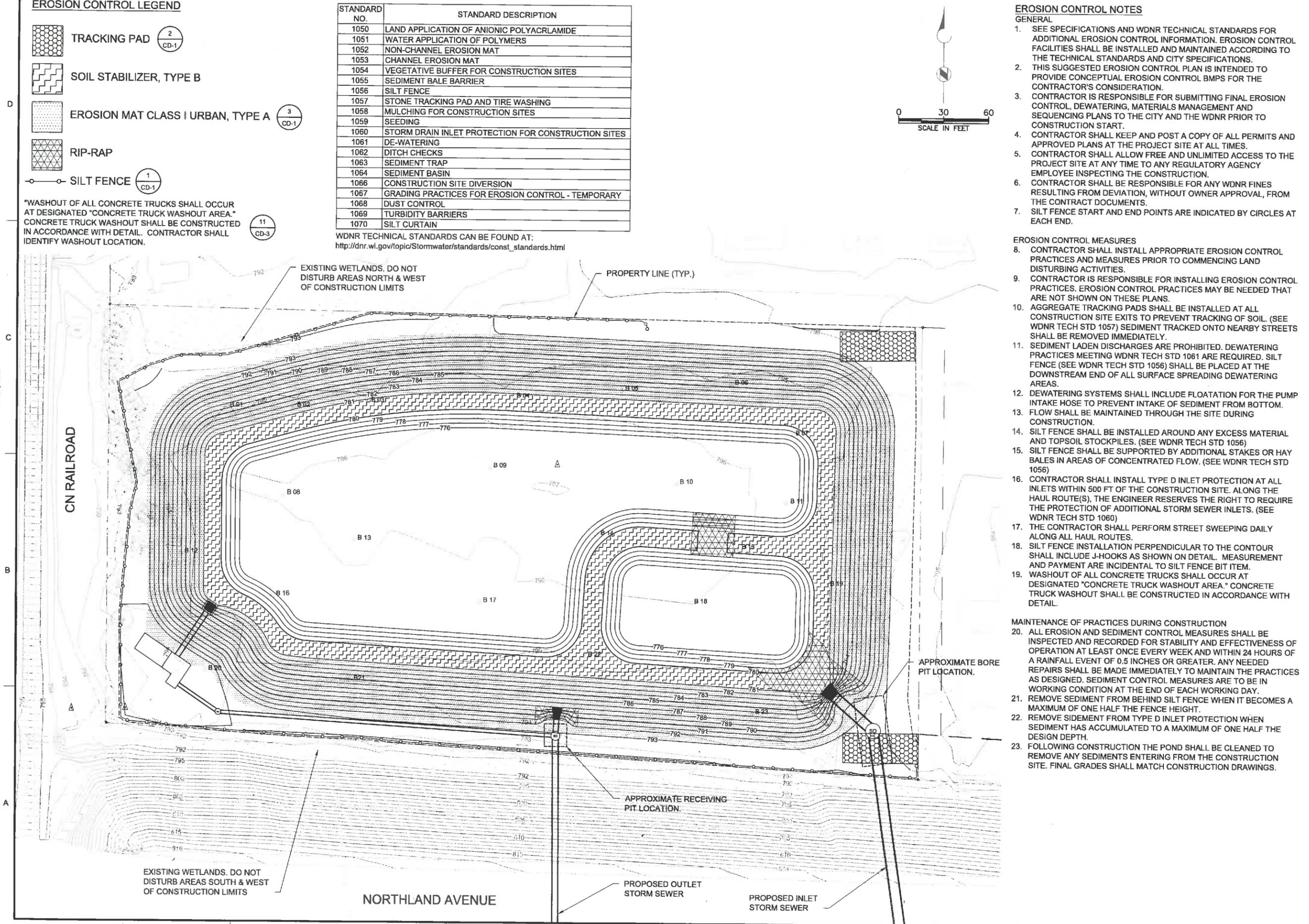
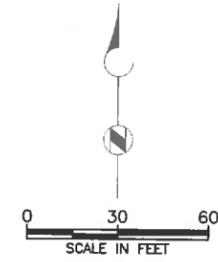
- SEE SPECIFICATIONS AND WDNR TECHNICAL STANDARDS FOR ADDITIONAL EROSION CONTROL INFORMATION. EROSION CONTROL FACILITIES SHALL BE INSTALLED AND MAINTAINED ACCORDING TO THE TECHNICAL STANDARDS AND CITY SPECIFICATIONS.
- THIS SUGGESTED EROSION CONTROL PLAN IS INTENDED TO PROVIDE CONCEPTUAL EROSION CONTROL BMPs FOR THE CONTRACTOR'S CONSIDERATION.
- CONTRACTOR IS RESPONSIBLE FOR SUBMITTING FINAL EROSION CONTROL, DEWATERING, MATERIALS MANAGEMENT AND SEQUENCING PLANS TO THE CITY AND THE WDNR PRIOR TO CONSTRUCTION START.
- CONTRACTOR SHALL KEEP AND POST A COPY OF ALL PERMITS AND APPROVED PLANS AT THE PROJECT SITE AT ALL TIMES.
- CONTRACTOR SHALL ALLOW FREE AND UNLIMITED ACCESS TO THE PROJECT SITE AT ANY TIME TO ANY REGULATORY AGENCY EMPLOYEE INSPECTING THE CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY WDNR FINES RESULTING FROM DEVIATION, WITHOUT OWNER APPROVAL, FROM THE CONTRACT DOCUMENTS.
- SILT FENCE START AND END POINTS ARE INDICATED BY CIRCLES AT EACH END.

**EROSION CONTROL MEASURES**

- CONTRACTOR SHALL INSTALL APPROPRIATE EROSION CONTROL PRACTICES AND MEASURES PRIOR TO COMMENCING LAND DISTURBING ACTIVITIES.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLING EROSION CONTROL PRACTICES. EROSION CONTROL PRACTICES MAY BE NEEDED THAT ARE NOT SHOWN ON THESE PLANS.
- AGGREGATE TRACKING PADS SHALL BE INSTALLED AT ALL CONSTRUCTION SITE EXITS TO PREVENT TRACKING OF SOIL. (SEE WDNR TECH STD 1057) SEDIMENT TRACKED ONTO NEARBY STREETS SHALL BE REMOVED IMMEDIATELY.
- SEDIMENT LADEN DISCHARGES ARE PROHIBITED. DEWATERING PRACTICES MEETING WDNR TECH STD 1061 ARE REQUIRED. SILT FENCE (SEE WDNR TECH STD 1056) SHALL BE PLACED AT THE DOWNSTREAM END OF ALL SURFACE SPREADING DEWATERING AREAS.
- DEWATERING SYSTEMS SHALL INCLUDE FLOATATION FOR THE PUMP INTAKE HOSE TO PREVENT INTAKE OF SEDIMENT FROM BOTTOM.
- FLOW SHALL BE MAINTAINED THROUGH THE SITE DURING CONSTRUCTION.
- SILT FENCE SHALL BE INSTALLED AROUND ANY EXCESS MATERIAL AND TOPSOIL STOCKPILES. (SEE WDNR TECH STD 1056)
- SILT FENCE SHALL BE SUPPORTED BY ADDITIONAL STAKES OR HAY BALES IN AREAS OF CONCENTRATED FLOW. (SEE WDNR TECH STD 1056)
- CONTRACTOR SHALL INSTALL TYPE D INLET PROTECTION AT ALL INLETS WITHIN 500 FT OF THE CONSTRUCTION SITE. ALONG THE HAUL ROUTE(S), THE ENGINEER RESERVES THE RIGHT TO REQUIRE THE PROTECTION OF ADDITIONAL STORM SEWER INLETS. (SEE WDNR TECH STD 1060)
- THE CONTRACTOR SHALL PERFORM STREET SWEEPING DAILY ALONG ALL HAUL ROUTES.
- SILT FENCE INSTALLATION PERPENDICULAR TO THE CONTOUR SHALL INCLUDE J-HOOKS AS SHOWN ON DETAIL. MEASUREMENT AND PAYMENT ARE INCIDENTAL TO SILT FENCE BIT ITEM.
- WASHOUT OF ALL CONCRETE TRUCKS SHALL OCCUR AT DESIGNATED "CONCRETE TRUCK WASHOUT AREA." CONCRETE TRUCK WASHOUT SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAIL.

**MAINTENANCE OF PRACTICES DURING CONSTRUCTION**

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AND RECORDED FOR STABILITY AND EFFECTIVENESS OF OPERATION AT LEAST ONCE EVERY WEEK AND WITHIN 24 HOURS OF A RAINFALL EVENT OF 0.5 INCHES OR GREATER. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN THE PRACTICES AS DESIGNED. SEDIMENT CONTROL MEASURES ARE TO BE IN WORKING CONDITION AT THE END OF EACH WORKING DAY.
- REMOVE SEDIMENT FROM BEHIND SILT FENCE WHEN IT BECOMES A MAXIMUM OF ONE HALF THE FENCE HEIGHT.
- REMOVE SEDIMENT FROM TYPE D INLET PROTECTION WHEN SEDIMENT HAS ACCUMULATED TO A MAXIMUM OF ONE HALF THE DESIGN DEPTH.
- FOLLOWING CONSTRUCTION THE POND SHALL BE CLEANED TO REMOVE ANY SEDIMENTS ENTERING FROM THE CONSTRUCTION SITE. FINAL GRADES SHALL MATCH CONSTRUCTION DRAWINGS.



**DRAFT NOT FOR CONSTRUCTION PERMIT SUBMITTAL DRAWINGS**



**NORTHLAND AVENUE STORMWATER POND**

REVISIONS		
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 APPROVED: #

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 BC PROJECT NUMBER: 147882  
 CLIENT PROJECT NUMBER: XX-XX

**CIVIL POND EROSION CONTROL PLAN**

DRAWING NUMBER: **C-3**  
 SHEET NUMBER: **6 OF 46**

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### NORTHLAND AVENUE STORMWATER POND

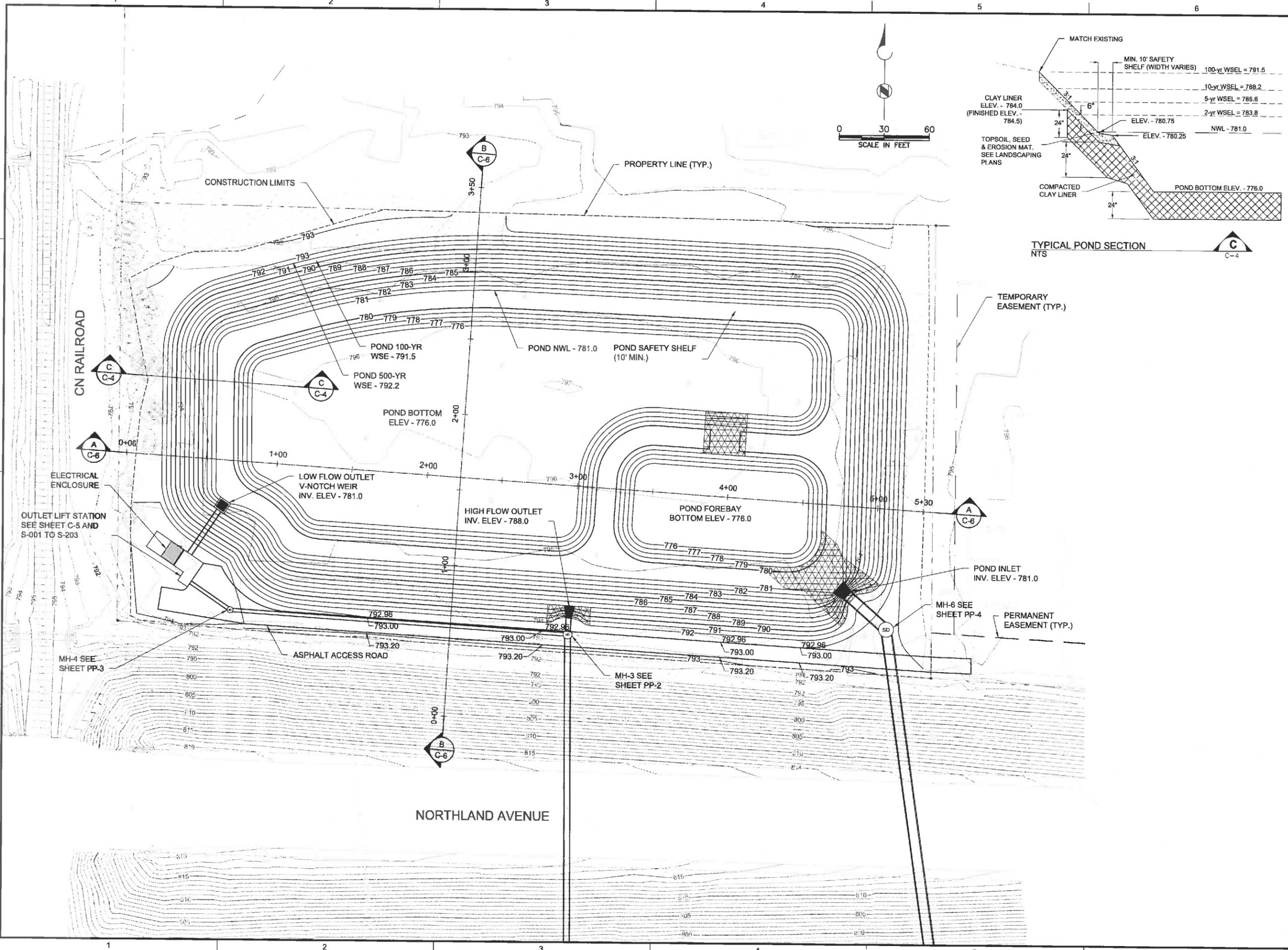
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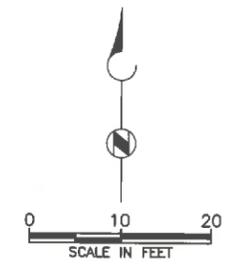
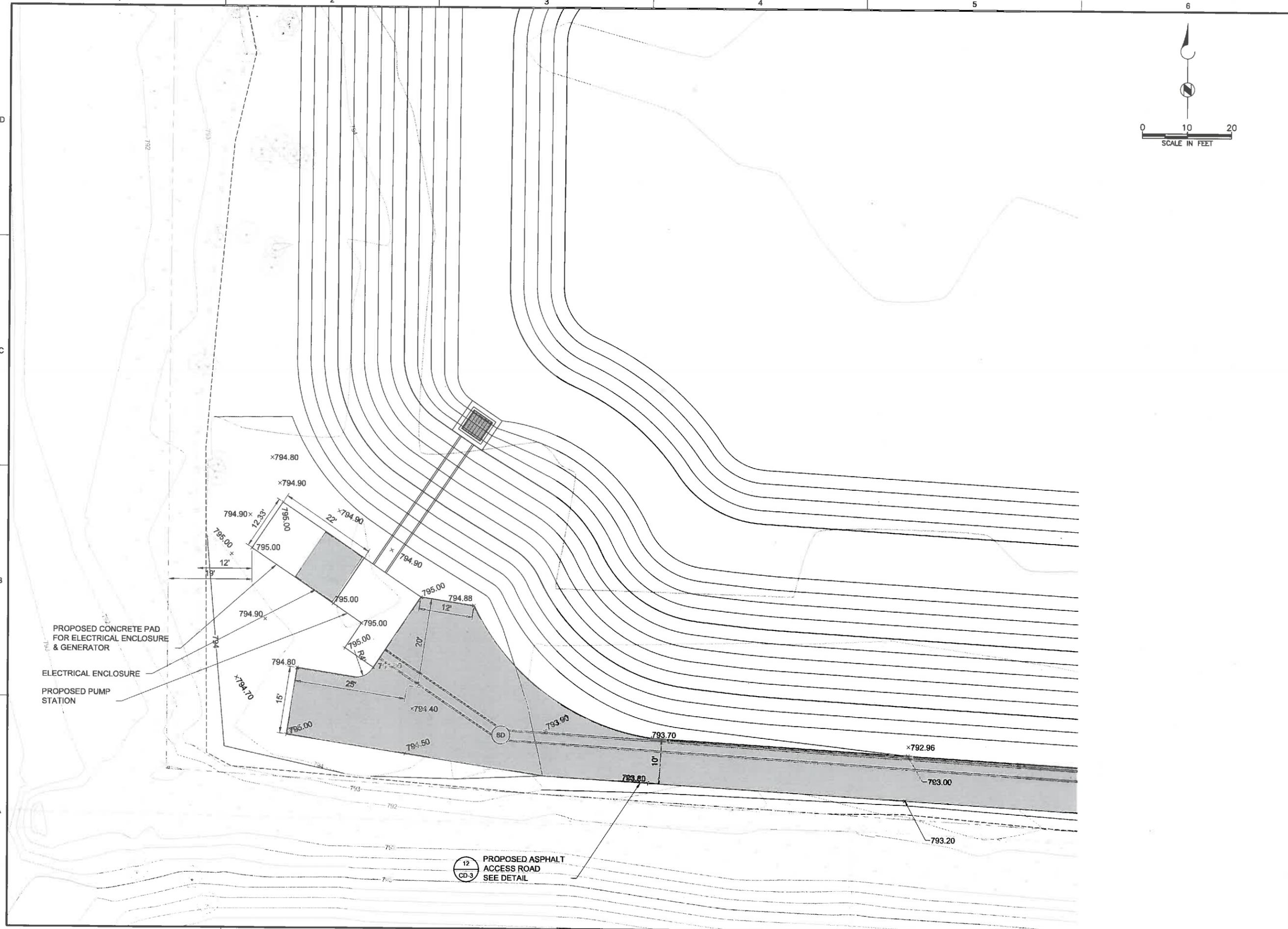
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DRAWING NUMBER: **C-4**  
 SHEET NUMBER: 7 OF 46



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NOT FOR  
CONSTRUCTION  
PERMIT SUBMITTAL  
DRAWINGS



NORTHLAND  
AVENUE  
STORMWATER  
POND

REVISIONS		
REV	DATE	DESCRIPTION

DESIGNED: #  
DRAWN: #  
CHECKED: #  
CHECKED: #  
APPROVED: #

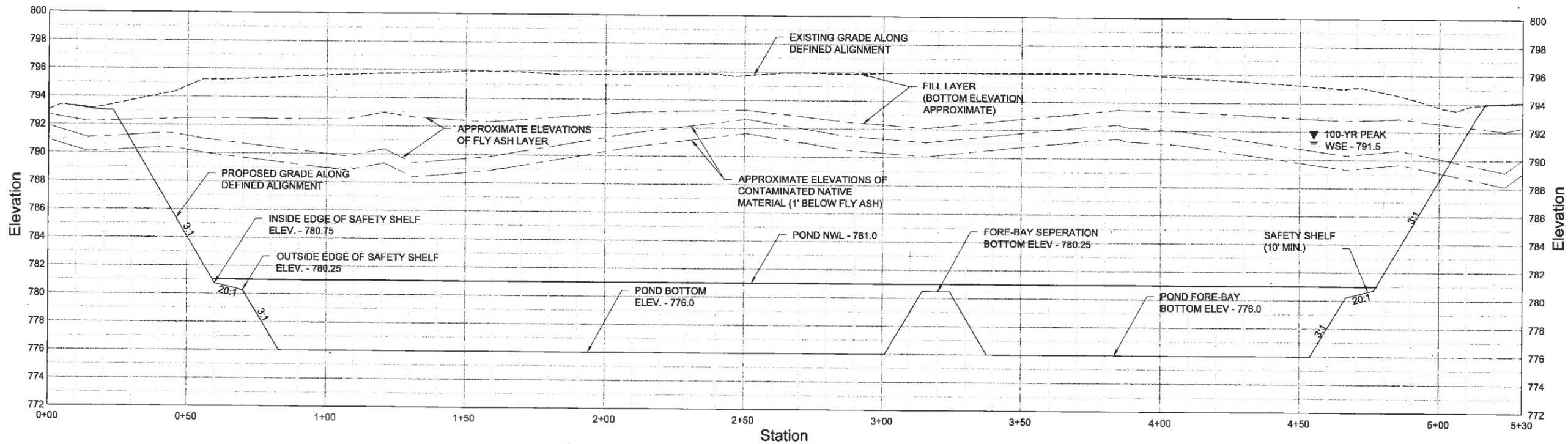
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FILENAME  
C-05\_PUMPSTATIONGRADING.DWG  
BC PROJECT NUMBER  
147662  
CLIENT PROJECT NUMBER  
XX-XX

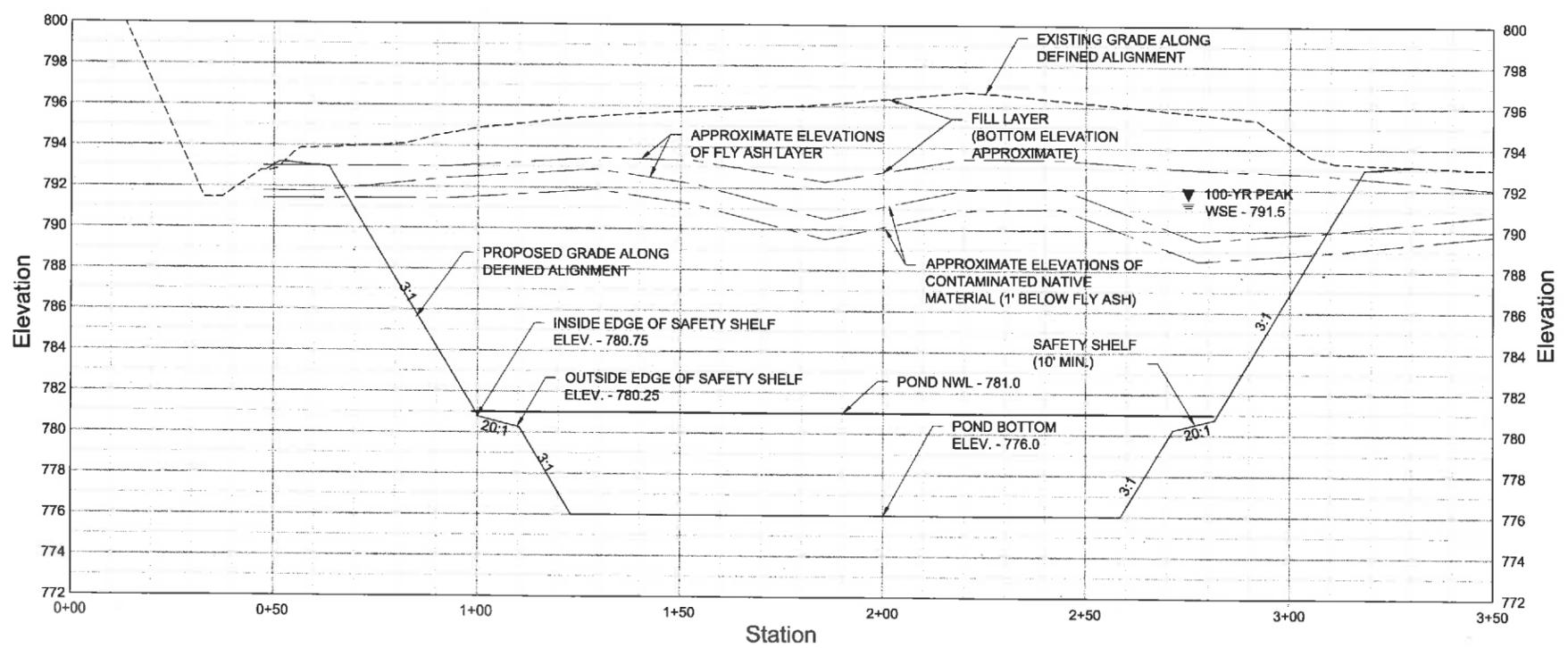
CIVIL  
LIFT STATION  
GRADING PLAN

DRAWING NUMBER  
**C-5**  
SHEET NUMBER  
8 OF 46

Path: P:\APPLETON CITY\01147862\_NORTHLAND POND FINAL DESIGN\CAD\02-SHEETS\C-CIVIL FILENAME: C-06.DWG PLOT DATE: 11/20/15 12:21 PM CAD USER: WEGNER, MIKE



**SECTION A**  
 C-3  
 VERTICAL: 1" = 4'  
 HORIZONTAL: 1" = 20'



**SECTION B**  
 C-3  
 VERTICAL: 1" = 4'  
 HORIZONTAL: 1" = 20'



**DRAFT  
 NOT FOR  
 CONSTRUCTION  
 PERMIT SUBMITTAL  
 DRAWINGS**



**NORTHLAND  
 AVENUE  
 STORMWATER  
 POND**

REVISIONS		
REV	DATE	DESCRIPTION
#	#	#
#	#	#
#	#	#
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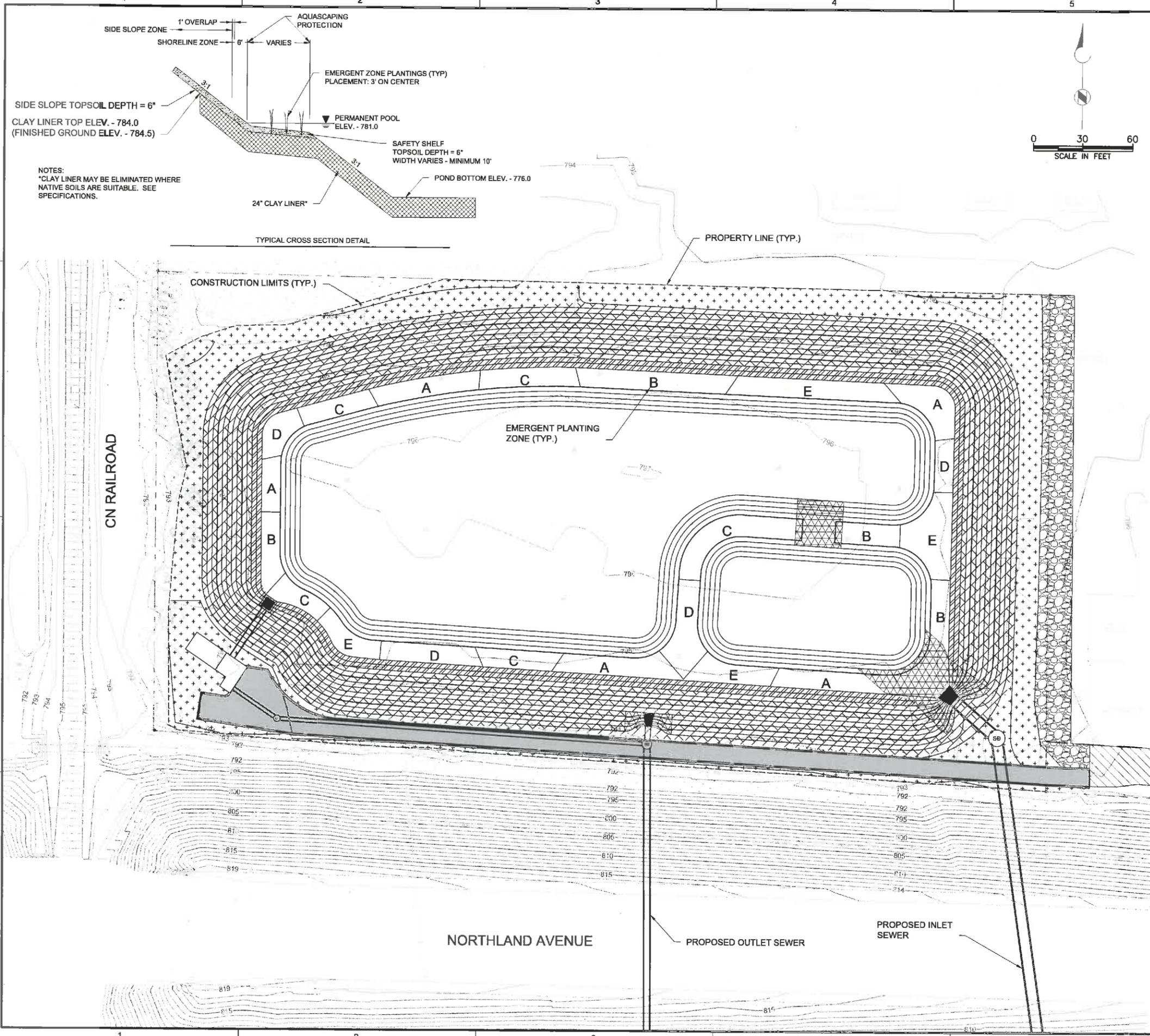
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 CHECKED: #  
 APPROVED: #

FILENAME  
 C-06.DWG  
 BC PROJECT NUMBER  
 147862  
 CLIENT PROJECT NUMBER  
 XX-XX

**CIVIL  
 POND CROSS  
 SECTIONS**

DRAWING NUMBER  
**C-6**  
 SHEET NUMBER  
 9 OF 46

Path: P:\APPLETON CITY OF\147862\_NORTHLAND POND FINAL DESIGN\CADD\2-SHEETS\C-CIVIL FILENAME: C-07\_FINALLANDSCAPING.DWG PLOT DATE: 11/23/15 2:57 PM CAD USER: WEGNER, MIKE



**PERMANENT LANDSCAPING LEGEND**

- RIP-RAP
- SHORELINE SEEDING
- SIDE SLOPE SEEDING
- NO MOW FESCUE SEEDING
- ASPHALT ACCESS ROAD (12 CD-3)
- ACCESS ROAD GRAVEL SHOULDER (12 CD-3)
- REMOVE & REPLACE EXISTING GRAVEL
- REMOVE & REPLACE EXISTING ASPHALT & BASE COURSE

**POND LANDSCAPING SEED & PLANT LISTS**

Emergent Zone	
Latin Name	Common Name
A- Wild Iris	Blue-Flag
B- Sagittaria latifolia	Broad-Leaved Arrowhead
C- Scirpus validus	Soft-Stem Bulrush
D- Sparganium eurycarpum	Giant Bur Reed
E- Scirpus fluviatilis	River Bulrush

Shoreline Zone	
Forbs (6 lbs per Acre)	
Latin Name	Common Name
Bidens Cernua	Beggarticks
Verbena hastata	Blue Vervain
Veronicastrum virginicum	Culver's Root
Aster novae-angliae	New England Aster
Eupatorium maculatum	Joe-pye-weed
Rudbeckia subtomentosa	Sweet Black Eyed Susan

Grasses & Sedges (12 lbs per Acre)	
Latin Name	Common Name
Spartina pectinata	Prairie Cord Grass
Panicum virgatum	Switchgrass
Leersia oryzoides	Rice-cut Grass
Carex lacustris	Lake Sedge
Carex stipata	Awl-fruited Sedge

Side Slope Zone	
Forbs (6 lbs per Acre)	
Latin Name	Common Name
Echinacea purpurea	Purple Coneflower
Ratibida pinnata	Yellow Coneflower
Penstemon digitalis	Smooth Penstemon
Aster laevis	Smooth Aster
Monarda fistulosa	Wild Bergamot
Solidago rigida	Stiff Goldenrod
Rudbeckia subtomentosa	Sweet Black Eyed Susan
Rudbeckia triloba	Brown Eyed Susan

Grasses (12 lbs per Acre)	
Latin Name	Common Name
Sorghastrum nutans	Indian Grass
Andropogon gerardii	Big Blue Stem
Panicum virgatum	Switchgrass
Bouteloua curtipendula	Side Oats Gama
Elymus canadensis	Canada Wild Rye

No Mow Fescue Zone	
Grasses (5 lbs per 1,000 sq ft)	
Latin Name	Common Name
Festuca rubra	Dawson Red Fescue
Festuca ovina	Sheep Fescue



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CONSTRUCTION  
PERMIT SUBMITTAL  
DRAWINGS**



**NORTHLAND  
AVENUE  
STORMWATER  
POND**

REVISIONS		
REV	DATE	DESCRIPTION

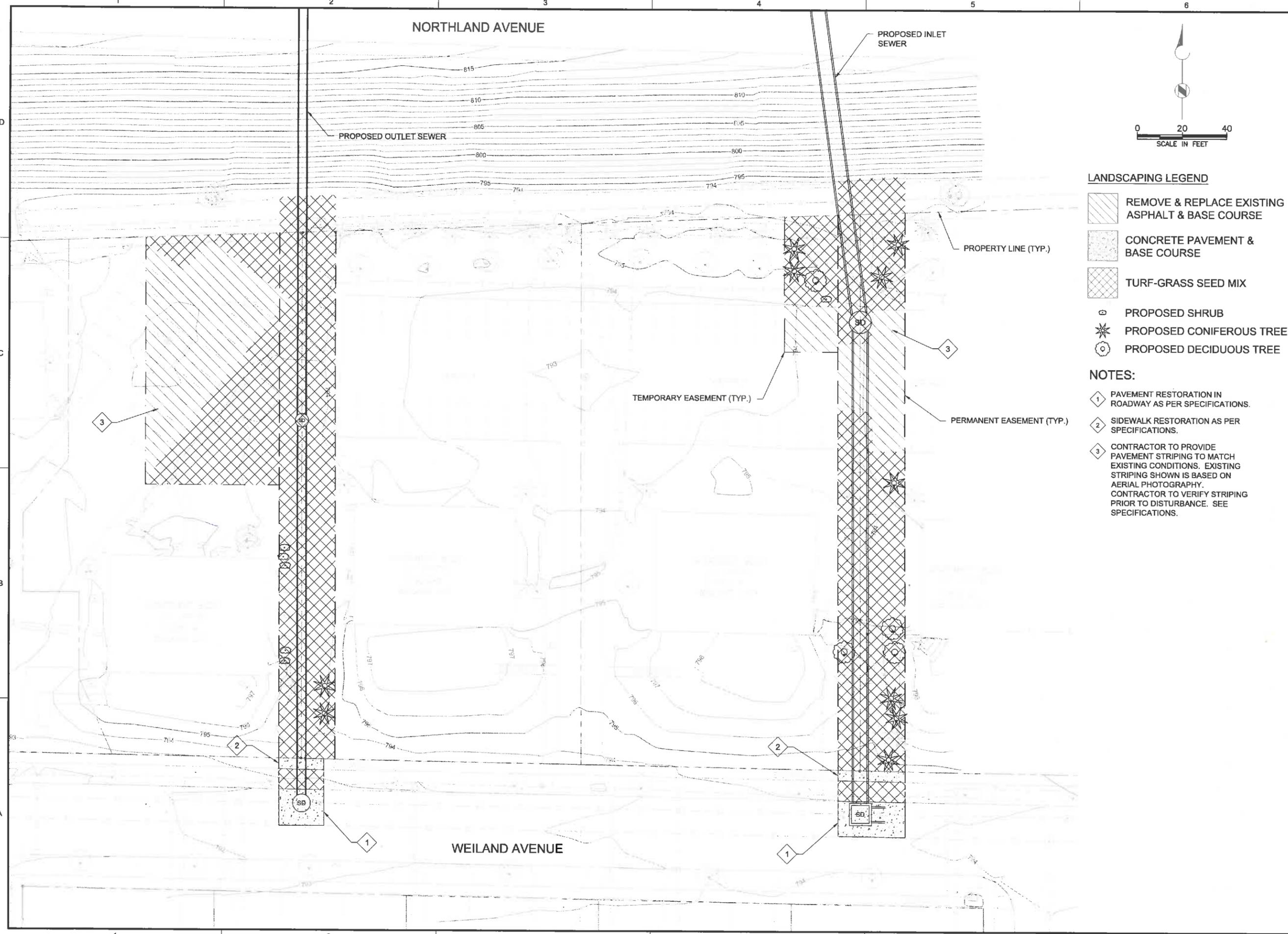
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APPROVED: #

FILENAME  
C-07\_FINALLANDSCAPING.DWG  
BC PROJECT NUMBER  
147662  
CLIENT PROJECT NUMBER  
XX-XX

**CIVIL  
POND  
RESTORATION PLAN**

DRAWING NUMBER  
**C-7**  
SHEET NUMBER  
10 OF 46

P:\P:\APPLETON CITY DR147862\_NORTHLAND POND FINAL DESIGN\CADD\2-SHEETS\CIVIL FILENAME: C-08.DWG PLOT DATE: 11/23/15 9:52 AM CAD USER: WEGNER, MIKE



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NOT FOR  
CONSTRUCTION  
PERMIT SUBMITTAL  
DRAWINGS



**NORTHLAND  
AVENUE  
STORMWATER  
POND**

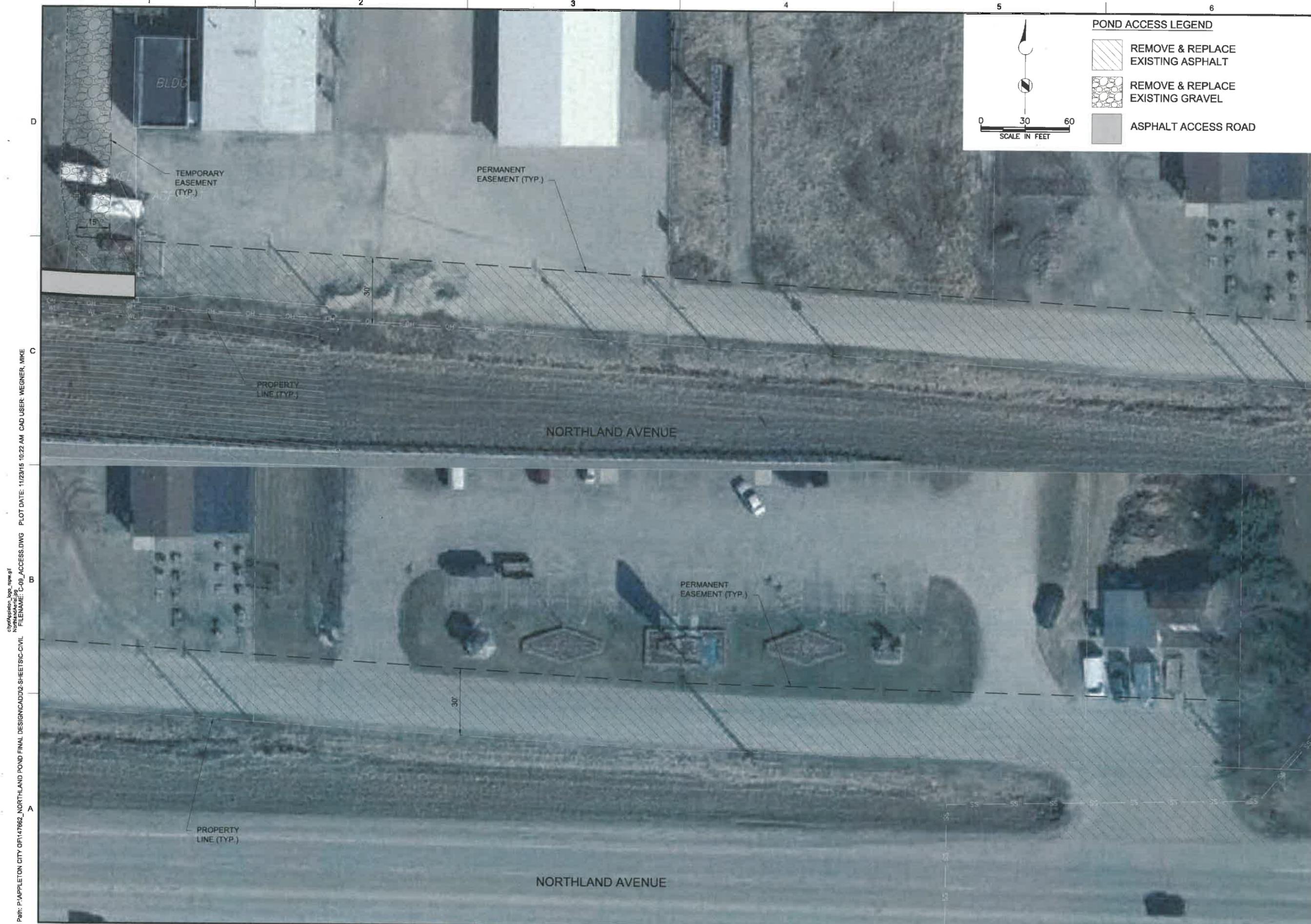
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REV	DATE	DESCRIPTION

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DRAWN: #  
CHECKED: #  
CHECKED: #  
APPROVED: #

FILENAME: C-08.DWG  
BC PROJECT NUMBER: 147862  
CLIENT PROJECT NUMBER: XX-XX

**CIVIL**  
**STORM SEWER  
RESTORATION PLAN**

DRAWING NUMBER  
**C-8**  
SHEET NUMBER  
11 OF 46



**POND ACCESS LEGEND**

-  REMOVE & REPLACE EXISTING ASPHALT
-  REMOVE & REPLACE EXISTING GRAVEL
-  ASPHALT ACCESS ROAD

0 30 60  
SCALE IN FEET



DRAFT  
NOT FOR  
CONSTRUCTION  
PERMIT SUBMITTAL  
DRAWINGS



**NORTHLAND AVENUE  
STORMWATER  
POND**

REVISIONS

REV	DATE	DESCRIPTION
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LINE IS 2 INCHES  
AT FULL SIZE

DESIGNED: #  
DRAWN: #  
CHECKED: #  
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FILENAME:  
C-09\_ACCESS.DWG  
BC PROJECT NUMBER  
147682  
CLIENT PROJECT NUMBER  
XX-XX

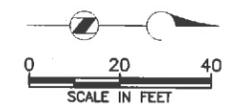
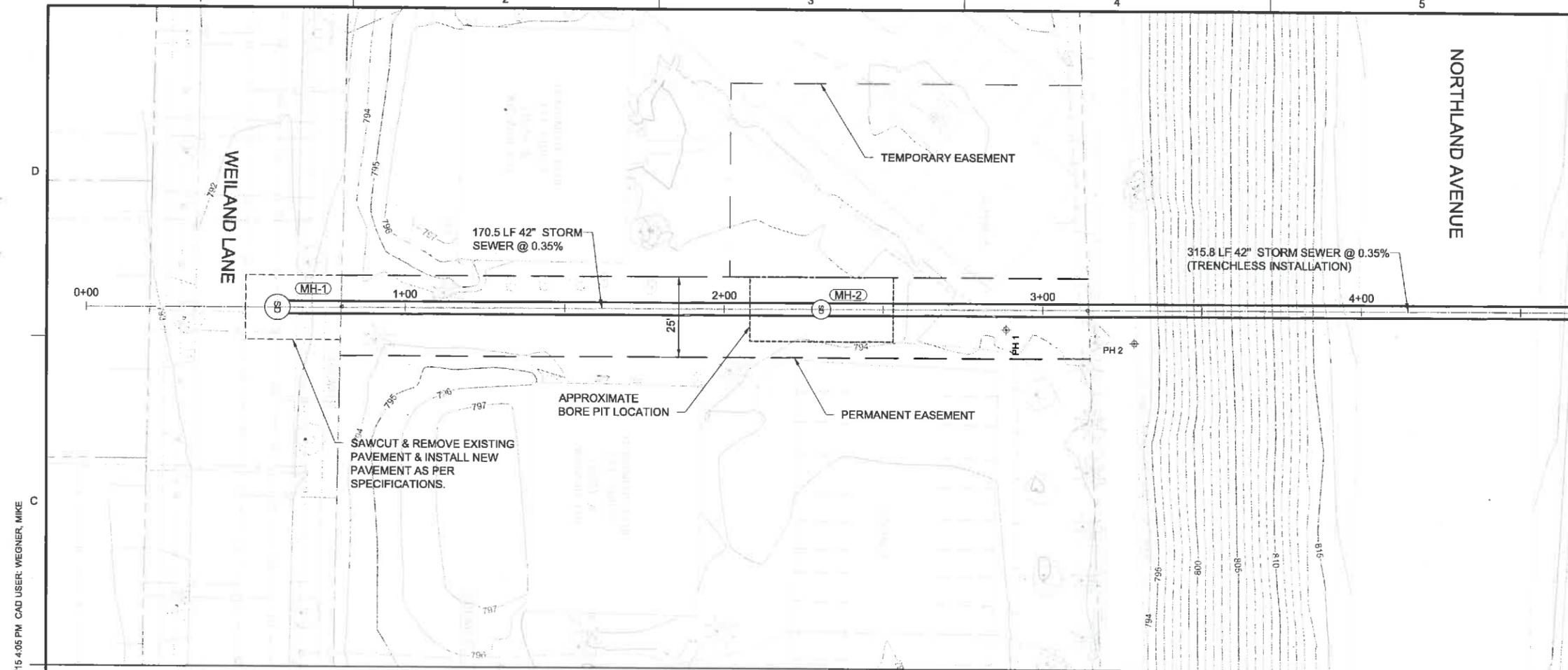
**CIVIL**

**POND ACCESS  
EASEMENT**

DRAWING NUMBER  
**C-9**

SHEET NUMBER  
12 OF 46

Path: P:\APPLETON CITY OR147682\_NORTHLAND POND FINAL DESIGN\CADD\2-SHEETS\CIVIL FILENAME: C-09\_ACCESS.DWG PLOT DATE: 11/23/15 10:22 AM CAD USER: WEGNER, MIKE



- NOTES:**
- 1 EXISTING UTILITIES TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION.
  - 2 CONTRACTOR TO VERIFY LOCATION & ELEVATION OF EXISTING UTILITIES. IF NEEDED, CONTRACTOR TO COORDINATE WITH OWNER & UTILITY TO RELOCATE.
  - 3 EXISTING ABANDONED WATER MAIN. SEE SHEET C-2.
  - 4 CONSTRUCT 42-INCH STORM SEWER USING TRENCHLESS INSTALLATION.



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NOT FOR  
CONSTRUCTION  
PERMIT SUBMITTAL  
DRAWINGS**



**NORTHLAND  
AVENUE  
STORMWATER  
POND**

REVISIONS

REV	DATE	DESCRIPTION
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LINE IS 2 INCHES AT FULL SIZE

DESIGNED: #  
DRAWN: #  
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APPROVED: #

FILENAME: PP-01-OUTLET.DWG  
BC PROJECT NUMBER: 147882  
CLIENT PROJECT NUMBER: XX-XX

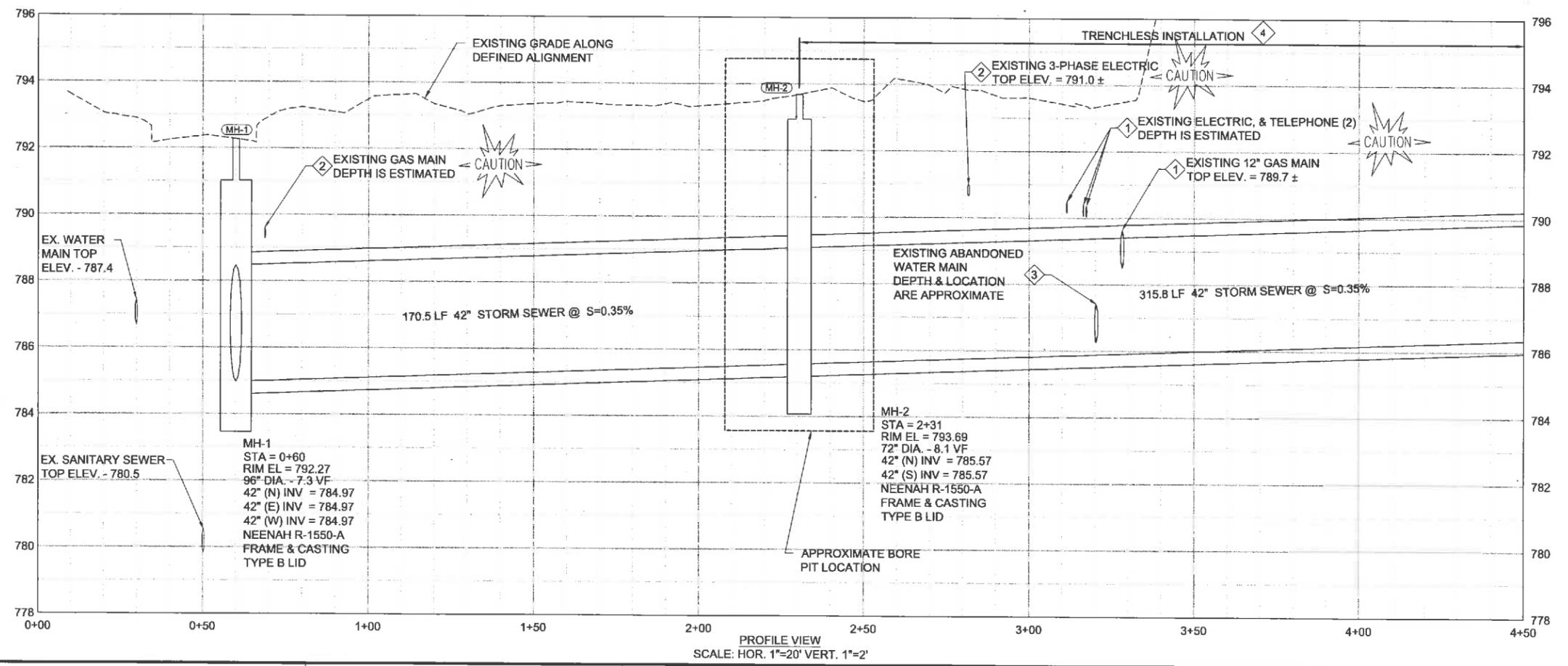
**CIVIL**

**OUTLET STORM  
SEWER PLAN &  
PROFILE  
STA 0+00 TO 4+00**

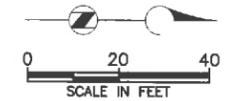
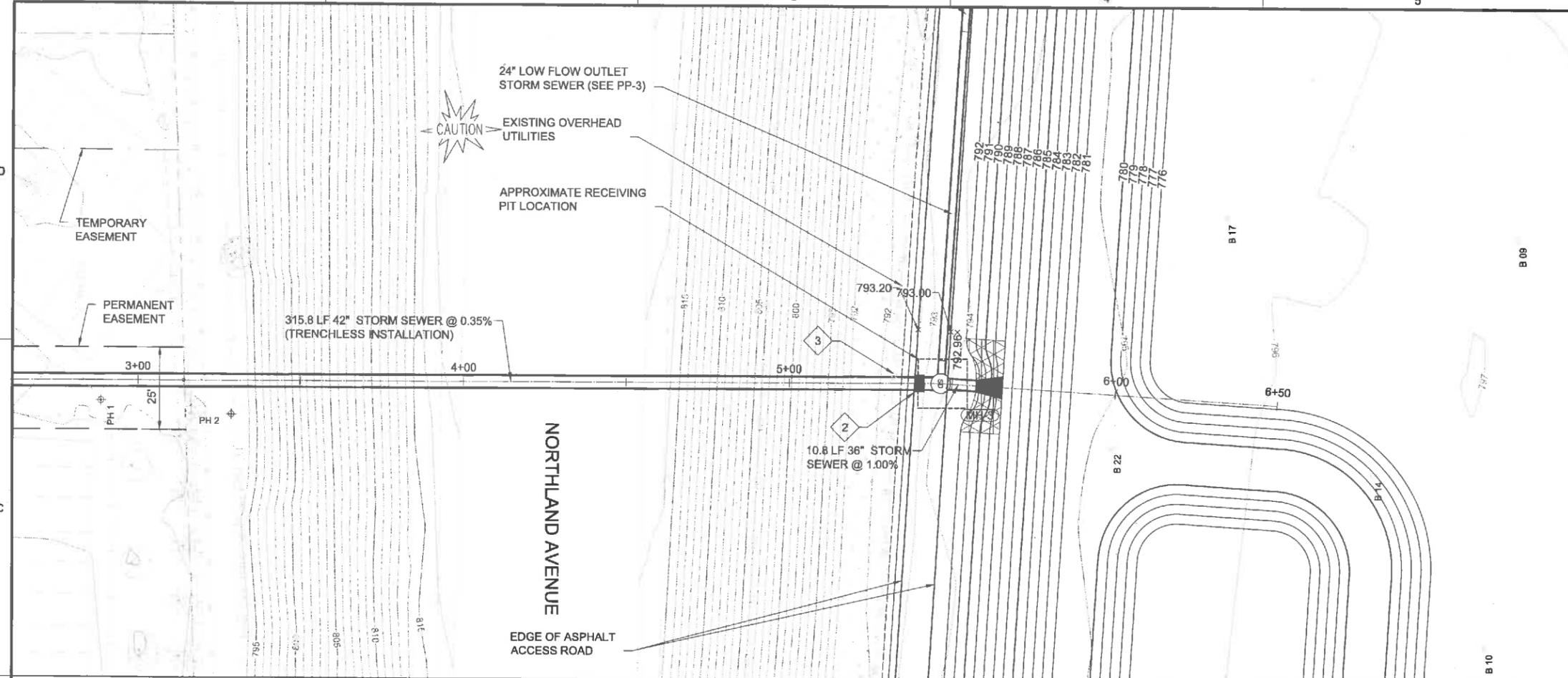
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SHEET NUMBER  
13 OF 46

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- NOTES:**
- 1 CONSTRUCT 42-INCH STORM SEWER USING TRENCHLESS INSTALLATION.
  - 2 ANTI-SEEP COLLAR SEE DETAIL 
  - 3 CONTRACTOR SHALL NOT ENTER WETLANDS. CONTRACTOR MUST MAINTAIN STABILITY OF RECEIVING PIT TO ENSURE WETLANDS REMAIN INTACT.



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 CONSTRUCTION  
 PERMIT SUBMITTAL  
 DRAWINGS**



**NORTHLAND  
 AVENUE  
 STORMWATER  
 POND**

REVISIONS		
REV	DATE	DESCRIPTION

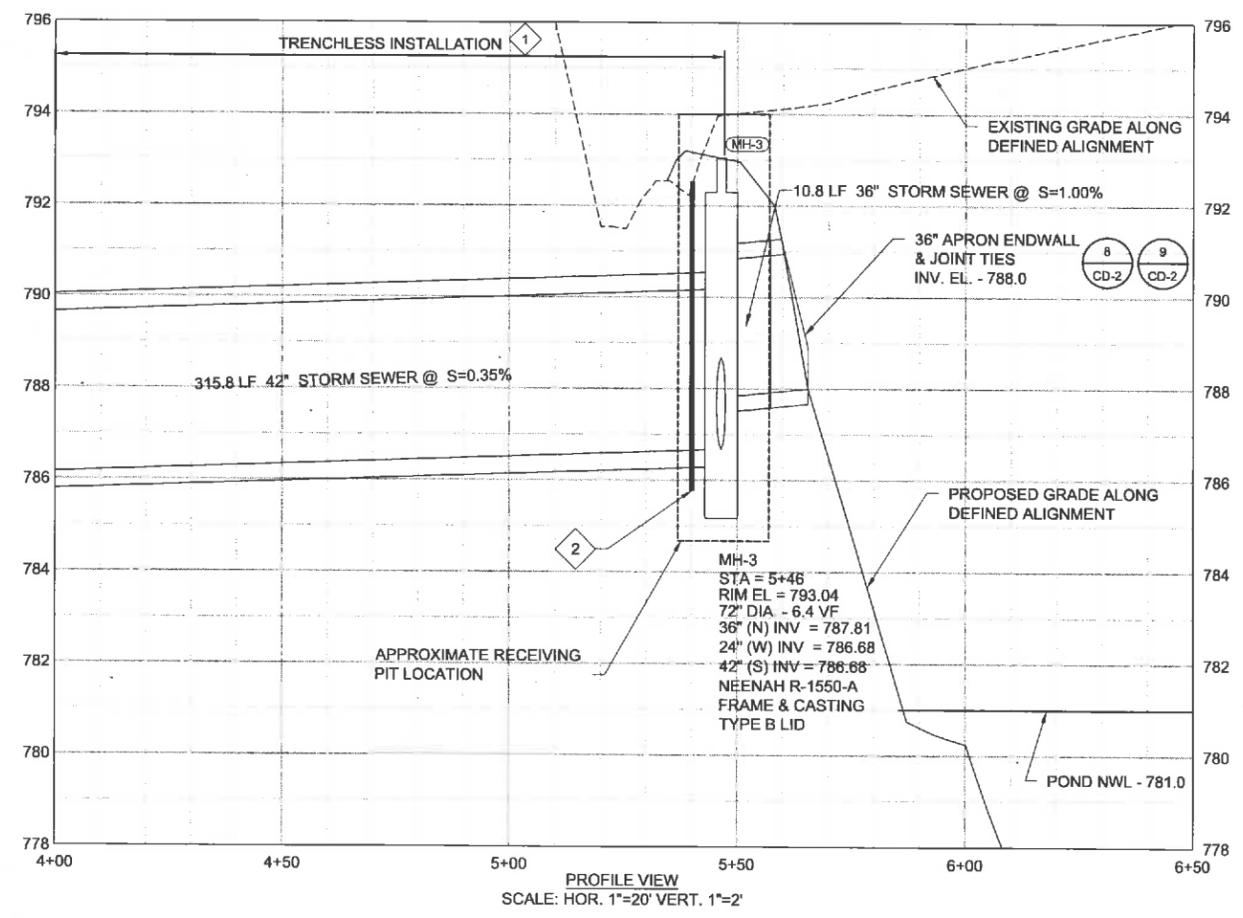
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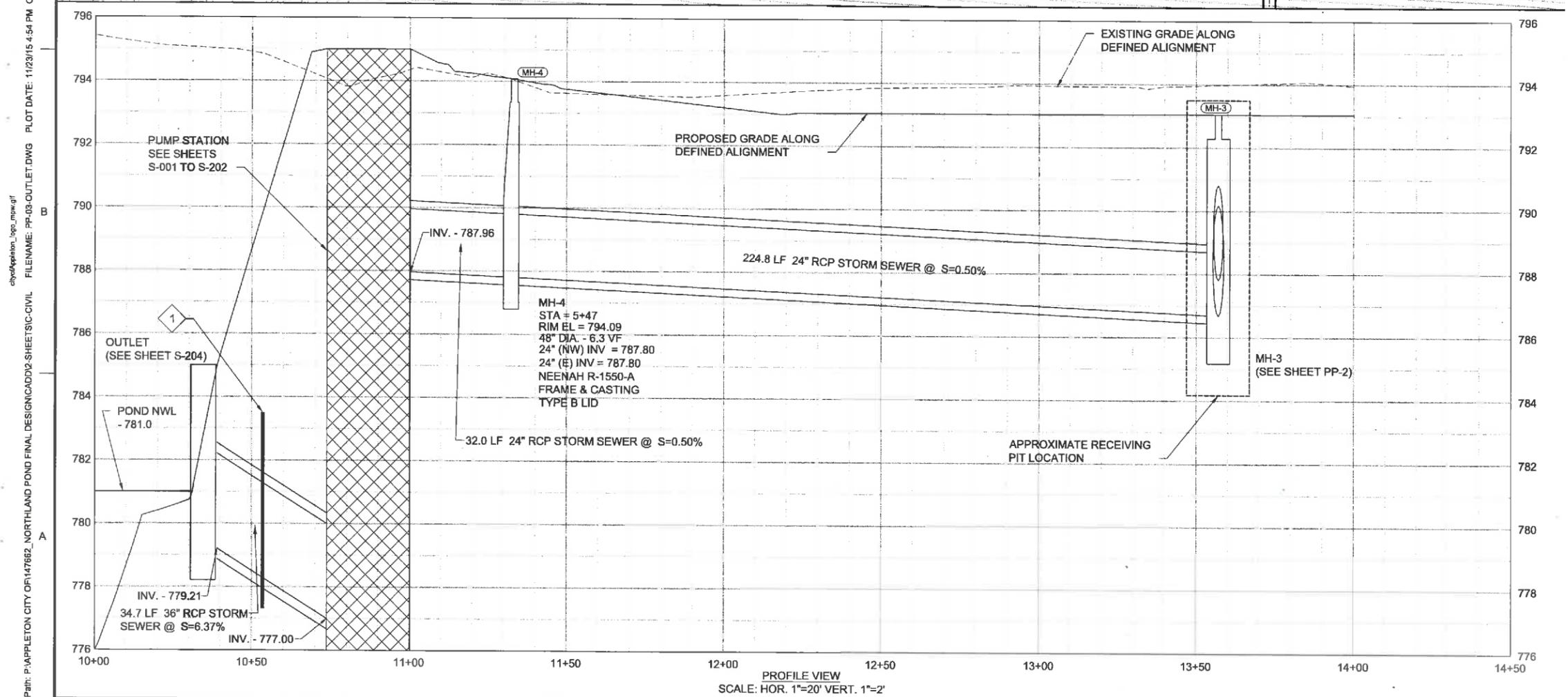
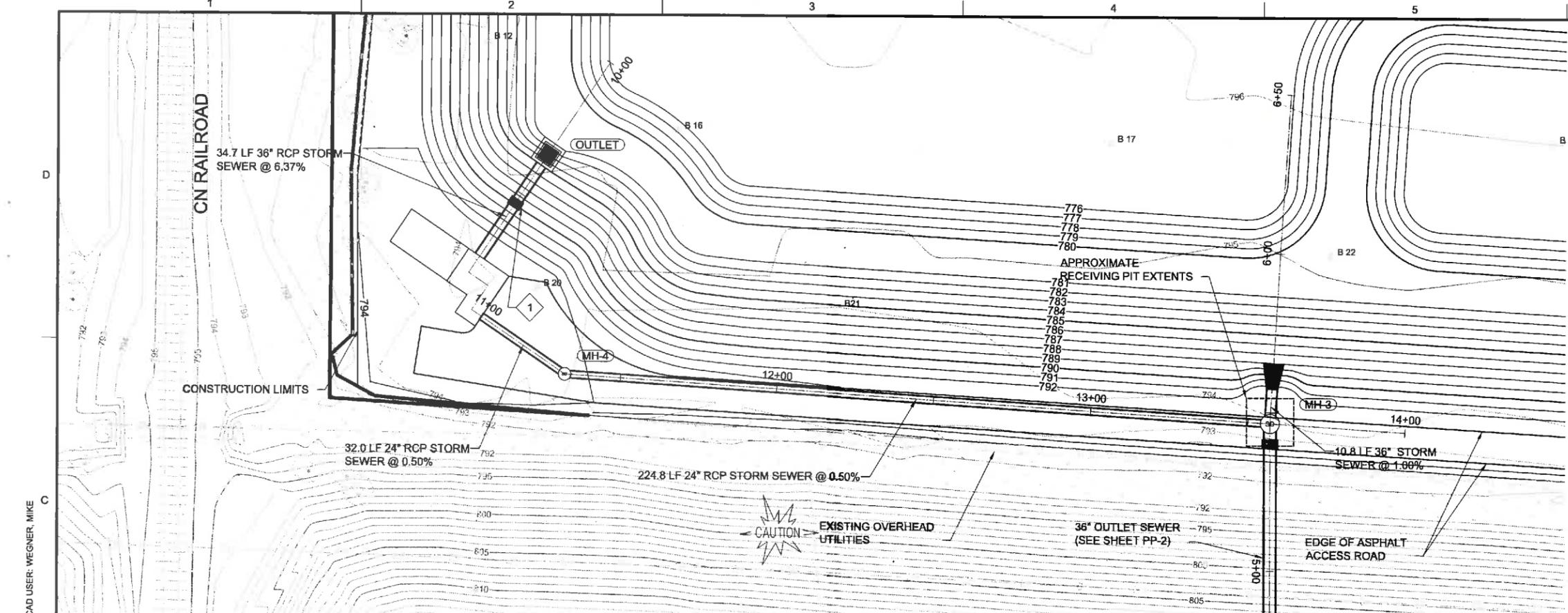
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 BC PROJECT NUMBER  
 147662  
 CLIENT PROJECT NUMBER  
 XX-XX

**CIVIL**  
  
**OUTLET STORM  
 SEWER PLAN &  
 PROFILE  
 STA 4+00 TO 6+50**

DRAWING NUMBER  
**PP-2**  
 SHEET NUMBER  
 14 OF 46



**PROFILE VIEW**  
 SCALE: HOR. 1"=20' VERT. 1"=2'



**NOTES:**

1 ANTI-SEEP COLLAR SEE DETAIL

10 CD-2



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 CONSTRUCTION  
 PERMIT SUBMITTAL  
 DRAWINGS**



**NORTHLAND  
 AVENUE  
 STORMWATER  
 POND**

**REVISIONS**

REV	DATE	DESCRIPTION
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#	#	#
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 CHECKED: #  
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 BC PROJECT NUMBER  
 147862  
 CLIENT PROJECT NUMBER  
 XX-XX

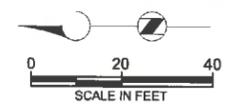
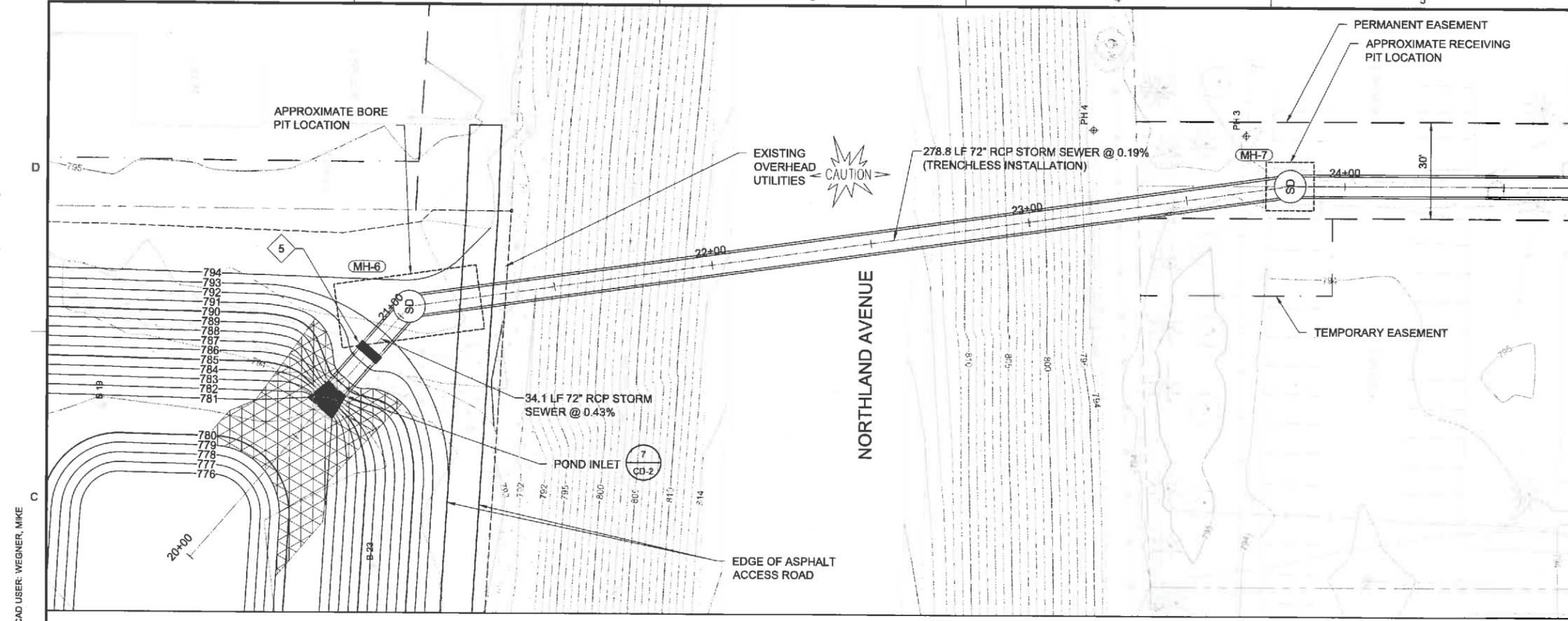
**CIVIL**

**OUTLET STORM  
 SEWER PLAN &  
 PROFILE  
 STA 10+00 TO 14+50**

DRAWING NUMBER  
**PP-3**

SHEET NUMBER  
 15 OF 46

P:\APPLETON\CITY OF 147862\_NORTHLAND POND FINAL DESIGN\CADD\2-SHEETS\CIVIL FILENAME: PP-03-OUTLET.DWG PLOT DATE: 11/23/15 4:54 PM CAD USER: WEGNER, MIKE



- NOTES:**
- 1 EXISTING UTILITIES TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION.
  - 2 CONTRACTOR TO VERIFY LOCATION & ELEVATION OF EXISTING UTILITIES. IF NEEDED, CONTRACTOR TO COORDINATE WITH OWNER & UTILITY TO RELOCATE.
  - 3 EXISTING ABANDONED WATER MAIN. SEE SHEET C-2.
  - 4 CONSTRUCT 72-INCH STORM SEWER USING TRENCHLESS INSTALLATION.
  - 5 ANTI-SEEP COLLAR SEE DETAIL



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CONSTRUCTION  
PERMIT SUBMITTAL  
DRAWINGS**



**NORTHLAND  
AVENUE  
STORMWATER  
POND**

REVISIONS		
REV	DATE	DESCRIPTION

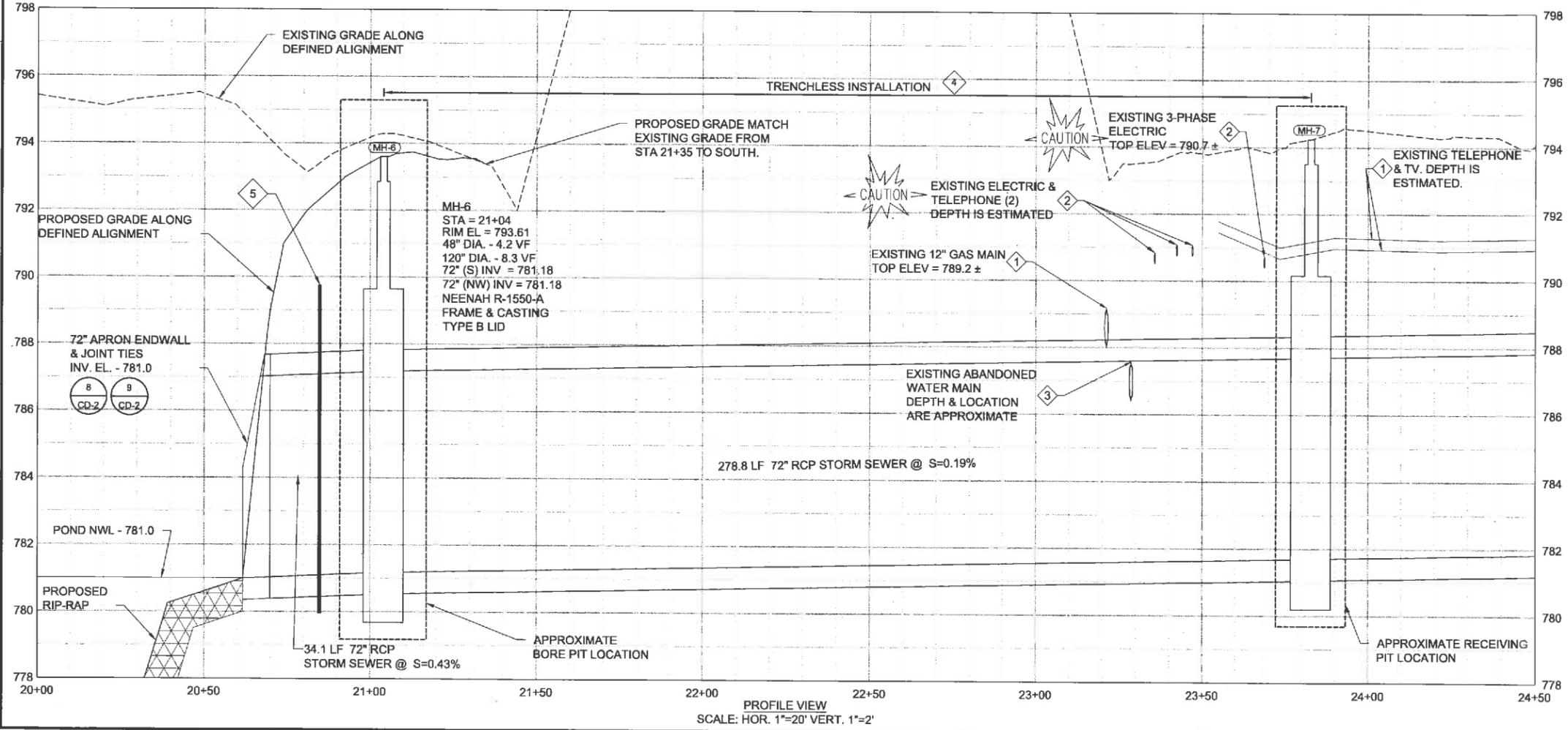
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FILENAME  
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BC PROJECT NUMBER  
147882  
CLIENT PROJECT NUMBER  
XX-XX

**CIVIL**  
**INLET STORM  
SEWER PLAN &  
PROFILE**  
STA 20+00 TO 24+00  
DRAWING NUMBER

**PP-4**  
SHEET NUMBER  
16 OF 46

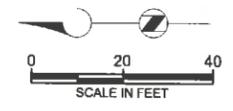
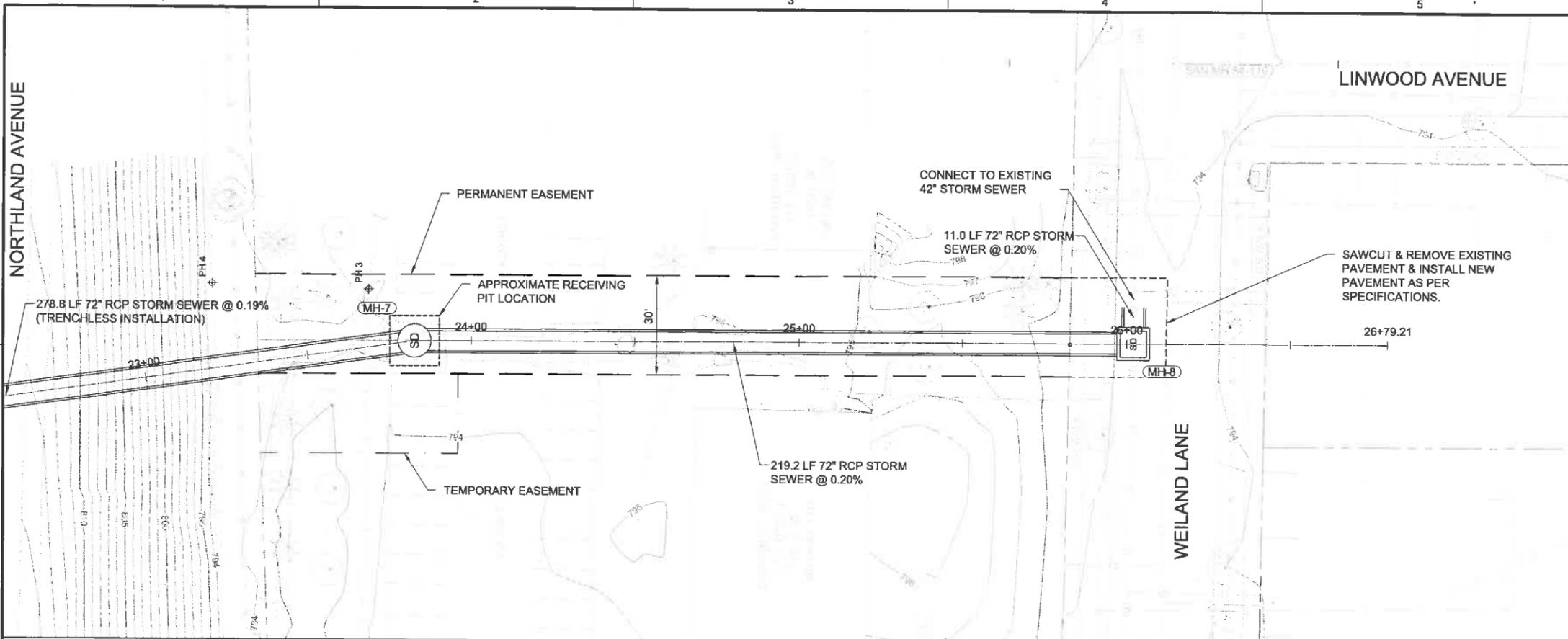
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MH-7  
STA = 23+83  
RIM EL = 794.25  
48" DIA. - 4.2 VF  
120" DIA. - 8.3 VF  
72" (S) INV = 781.70  
72" (N) INV = 781.70  
NEENAH R-1550-A  
FRAME & CASTING  
TYPE B LID

**PROFILE VIEW**  
SCALE: HOR. 1"=20' VERT. 1"=2'

Path: P:\APPLETON CITY OF\147662\_NORTHLAND POND FINAL DESIGN\CADD\2-SHEETS\CIVIL FILENAME: PP-05-INLET.DWG PLOT DATE: 11/23/15 5:16 PM CAD USER: WEGNER, MIKE  
 cityofappleton\_swp\_mpw.dwg



- NOTES:**
- 1 EXISTING UTILITIES TO BE RELOCATED BY OTHERS PRIOR TO CONSTRUCTION.
  - 2 CONTRACTOR TO VERIFY LOCATION & ELEVATION OF EXISTING UTILITIES. IF NEEDED, CONTRACTOR TO COORDINATE WITH OWNER & UTILITY TO RELOCATE.
  - 3 CONSTRUCT 72-INCH STORM SEWER USING TRENCHLESS INSTALLATION.



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 NOT FOR  
 CONSTRUCTION  
 PERMIT SUBMITTAL  
 DRAWINGS**



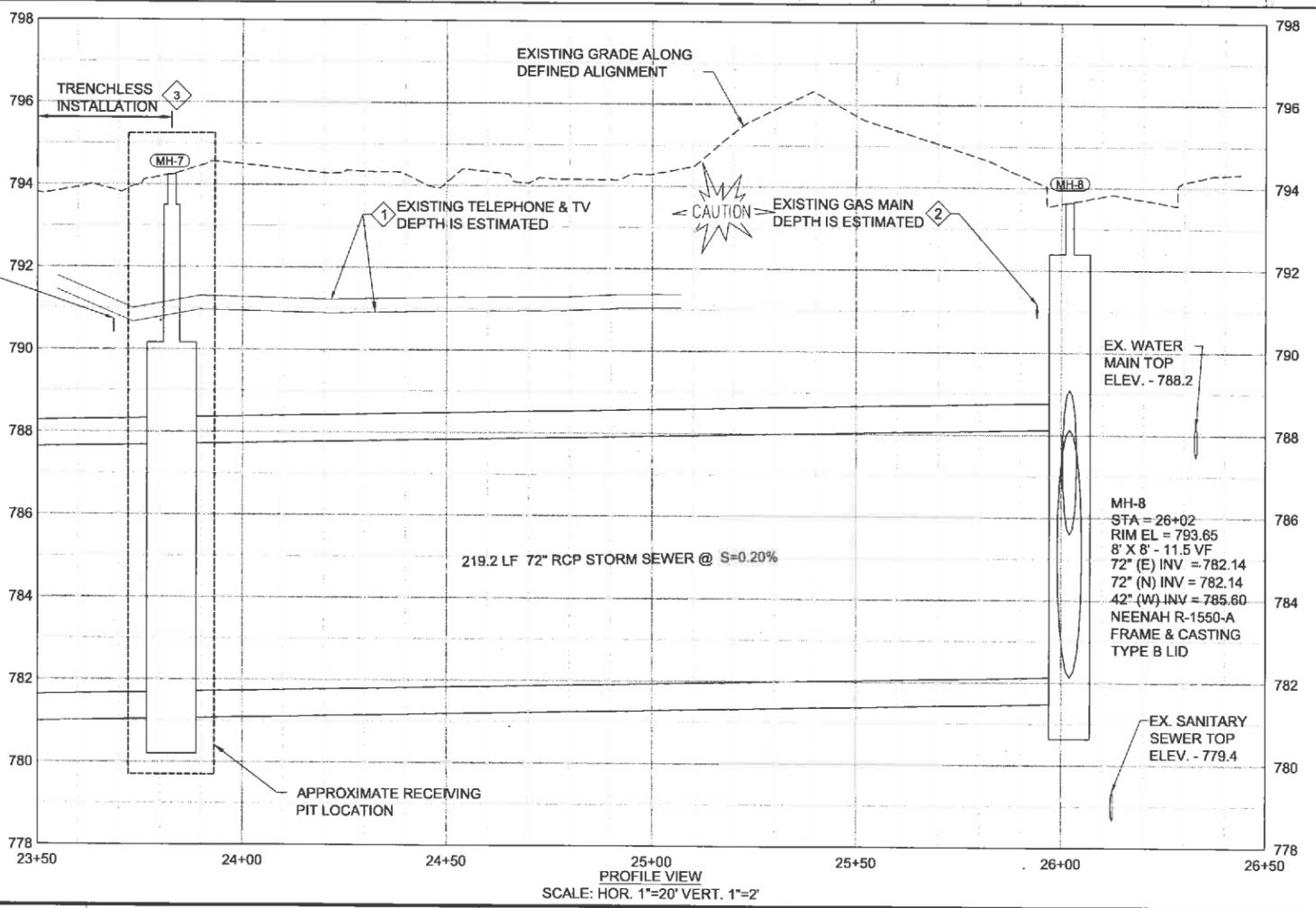
**NORTHLAND  
 AVENUE  
 STORMWATER  
 POND**

REVISIONS		
REV	DATE	DESCRIPTION

DESIGNED: #  
 DRAWN: #  
 CHECKED: #  
 APPROVED: #

FILENAME: PP-05-INLET.DWG  
 BC PROJECT NUMBER: 147662  
 CLIENT PROJECT NUMBER: XX-XX

**CIVIL**  
**INLET STORM  
 SEWER PLAN &  
 PROFILE**  
**STA 24+00 TO 26+50**  
 DRAWING NUMBER  
**PP-5**  
 SHEET NUMBER  
 17 OF 46



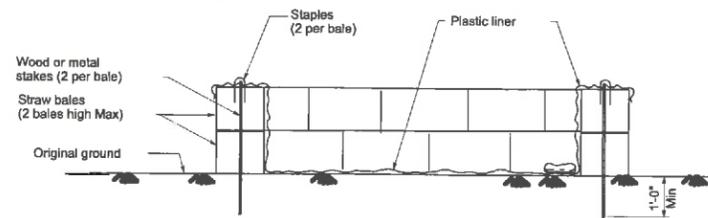
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 STA = 23+83  
 RIM EL = 794.25  
 48" DIA. - 4.2 VF  
 120" DIA. - 8.3 VF  
 72" (S) INV = 781.70  
 72" (N) INV = 781.70  
 NEENAH R-1550-A  
 FRAME & CASTING  
 TYPE B LID

**MH-8**  
 STA = 26+02  
 RIM EL = 793.65  
 8' X 8' - 11.5 VF  
 72" (E) INV = 782.14  
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 FRAME & CASTING  
 TYPE B LID

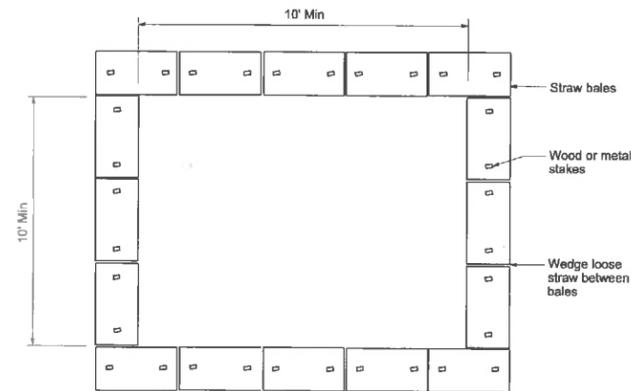
**PROFILE VIEW**  
 SCALE: HOR. 1"=20' VERT. 1"=2'







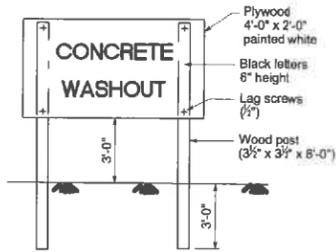
SECTION VIEW



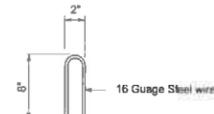
PLAN VIEW

TEMPORARY CONCRETE WASHOUT FACILITY

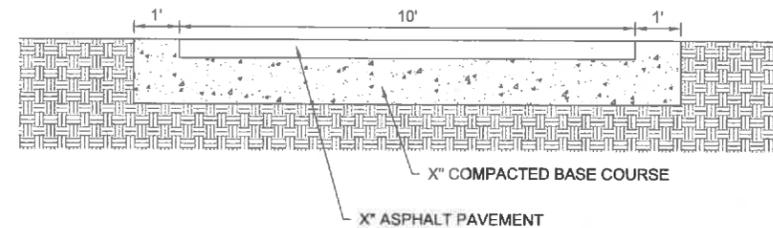
DETAIL 11  
NTS VARIES



CONCRETE WASHOUT SIGN DETAIL



STAPLE DETAIL



ASPHALT ACCESS ROAD

DETAIL 12  
NTS VARIES



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CONSTRUCTION  
PERMIT  
SUBMITTAL  
DRAWINGS



NORTHLAND AVENUE  
STORMWATER  
POND

REVISIONS		
REV	DATE	DESCRIPTION

LINE IS 2 INCHES  
AT FULL SIZE

DESIGNED:

DRAWN:

CHECKED:

CHECKED:

APPROVED:

FILENAME  
CD-3.DWG  
BC PROJECT NUMBER  
147682  
CLIENT PROJECT NUMBER  
XX-XX

CIVIL  
CONSTRUCTION  
DETAILS III

DRAWING NUMBER

CD-3

SHEET NUMBER  
20 OF 46

Path: P:\APPLETON CITY OF\147682\_NORTHLAND\_POND\_FINAL\_DESIGN\CADD\2-SHEETS\CIVIL FILENAME: CD-3.DWG PLOT DATE: 11/23/15 3:32 PM CAD USER: WEGNER, MIKE

# GENERAL

- G 1 SCOPE  
THE STRUCTURAL GENERAL NOTES AND TYPICAL DETAILS ARE GENERAL AND APPLY TO THE ENTIRE PROJECT EXCEPT WHERE THERE ARE SPECIFIC INDICATIONS TO THE CONTRARY.
- G 2 PRECEDENCE  
IF THERE IS A CONFLICT BETWEEN PROJECT SPECIFICATIONS AND STRUCTURAL DRAWINGS, INCLUDING STRUCTURAL NOTES, CONTACT THE STRUCTURAL ENGINEER OF RECORD FOR CLARIFICATION. SPECIFIC NOTES AND DETAILS ON DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
- G 3 DIMENSIONS  
STRUCTURAL DIMENSIONS CONTROLLED BY OR RELATED TO THE MECHANICAL OR ELECTRICAL EQUIPMENT SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONSTRUCTION DIMENSIONS AND NOTIFYING ENGINEER OF DISCREPANCIES IN A TIMELY FASHION.
- G 4 PROVISIONS FOR EQUIPMENT  
MECHANICAL AND ELECTRICAL EQUIPMENT SUPPORTS, ANCHORAGES, OPENINGS, RECESSES AND EMBEDMENTS NOT SPECIFIED ON THE STRUCTURAL DRAWINGS, BUT SPECIFIED ON OTHER CONTRACT DRAWINGS, SHALL BE PROVIDED PRIOR TO CASTING CONCRETE.
- G 5 MEANS, METHODS AND CONSTRUCTION LOADS  
CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS AND SEQUENCE OF CONSTRUCTION, AND SHALL MAKE ADEQUATE PROVISION TO MAINTAIN THE INTEGRITY OF ALL STRUCTURES AT ALL STAGES OF CONSTRUCTION. DETERMINATION OF AND PROVISIONS FOR CONSTRUCTION LOADING SHALL BE PROVIDED BY THE CONTRACTOR.
- G 6 SAFETY  
CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR PRECAUTIONS PROGRAMS TO ENSURE THE SAFETY OF WORKERS AND VISITORS TO THE SITE, INCLUDING BUT NOT LIMITED TO THE SAFETY OF SHORING, BRACING AND ACCESS RESTRICTION. CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL SAFETY CODES AND STANDARDS.
- G 7 DRAINAGE SURFACES  
SLOPE DRAINAGE SURFACES UNIFORMLY TO DRAIN. SLOPE SHALL BE 1/8" TO 1/4" PER FOOT EXCEPT WHERE NOTED OTHERWISE ON THE PLANS.
- G 8 OPENINGS  
OPENINGS THROUGH NEW AND EXISTING WALLS AND SLABS FOR PIPES, DUCTS, CONDUITS, ETC., ARE NOT ALL SHOWN ON THE STRUCTURAL DRAWINGS. THE CONTRACTOR SHALL COORDINATE WITH OTHER DISCIPLINES AND PROVIDE THESE OPENINGS IN ACCORDANCE WITH THE OTHER CONTRACT DOCUMENTS.

# DESIGN CRITERIA

- D 1 GOVERNING BUILDING CODE  
2009 INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS. THE ABOVE SHALL GOVERN EXCEPT WHERE OTHER APPLICABLE CODES OR CONTRACT PROVISIONS ARE MORE RESTRICTIVE.
- D 2 STRUCTURE LIVE LOADS:
  - ROOF LIVE LOAD:.....20 PSF
  - ELECTRICAL EQUIPMENT PAD:.....300 PSF
  - PUMP STATION TOP SLAB: .....300 PSF OR H20 WHEEL LOAD, WHICHEVER IS GREATER.
- D 3 SNOW LOADS - IN ACCORDANCE WITH ASCE 7-05:
  - GROUND SNOW LOAD (PG): 40 PSF
  - EXPOSURE FACTOR (CE): 0.9
  - THERMAL FACTOR (CT): 1.0
  - IMPORTANCE FACTOR (I): 1.1
- D 4 WIND LOADS - IN ACCORDANCE WITH ASCE 7-05:
  - OCCUPANCY CATEGORY II - PER ASCE 7-05 TABLE 1-1
  - BASIC WIND SPEED (3-SECOND GUST) = 90 MILES PER HOUR (MPH)
  - EXPOSURE CATEGORY = C
  - TOPOGRAPHIC FACTOR (KZT) = 1.0 PER ASCE 7-05 SECTION 6.5.7
  - IMPORTANCE FACTOR (I) = 1.0 - PER ASCE 7-05 TABLE 6-1
- D 5 SEISMIC LOADS - IN ACCORDANCE WITH ASCE 7-05:
  - OCCUPANCY CATEGORY II - PER ASCE 7-05 TABLE 1-1
  - SITE CLASS = E
  - SEISMIC DESIGN CATEGORY = B
  - MAPPED MAXIMUM CONSIDERED EARTHQUAKE (MCE) SPECTRAL ACCELERATION AT SHORT PERIODS (SS) = 0.068G
  - MAPPED MCE SPECTRAL ACCELERATION AT 1 SECOND (S1) = 0.033G
  - DESIGN, 5% DAMPED, SPECTRAL ACCELERATION AT SHORT PERIODS (SDS) = 0.113G
  - DESIGN, 5% DAMPED, SPECTRAL ACCELERATION AT 1 SECOND (SD1) = 0.077G
  - IMPORTANCE FACTOR (I) = 1.0 - PER ASCE 7-05 TABLE 11.5-1
- D 6 GEOTECHNICAL DESIGN CRITERIA:
  - THE GEOTECHNICAL REPORT DATED JUNE 10, 2015 AND SUPPLEMENTAL INFORMATION PREPARED BY OMNI ASSOCIATES HAS BEEN USED AS THE BASIS FOR DESIGN OF BELOW GRADE WALLS AND FOUNDATIONS.
  - BELOW GRADE WALLS OF THE PUMP STATION, BACK FILLED WITH GRANULAR MATERIAL HAVING A WET UNIT WEIGHT OF 120 PCF AND FRICTION ANGLE OF 30°, HAVE BEEN DESIGNED FOR THE FOLLOWING EQUIVALENT PRESSURES:
    - ACTIVE PRESSURE.....40 PCF
    - AT REST PRESSURE...60 PCF
    - PASSIVE PRESSURE...360 PCF
  - GROUND WATER LEVEL IS ASSUMED AT ELEVATION 788.00
  - FOUNDATIONS HAVE BEEN DESIGNED FOR THE FOLLOWING NET ALLOWANCE BEARING PRESSURES:
    - PUMP STATION, OUTLET.....1200 PSF
    - ELECTRICAL EQUIPMENT PAD... 2000 PSF
  - FOUNDATION PREPARATION SHALL BE IN ACCORDANCE WITH RECOMMENDATIONS PREPARED BY OMNI ASSOCIATES.
  - FOUNDATION CONDITIONS WHICH DIFFER FROM THOSE INDICATED IN THE GEOTECHNICAL REPORT SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER, CONTRACTOR IS RESPONSIBLE FOR REPLACING WORK CONDUCTED AFTER SUCH NOTIFICATION PRIOR TO ENGINEER PROVIDING ADDITIONAL DIRECTIONS.

# CONCRETE

- C 1 APPLICABLE CODE AND MIX DESIGN SHALL CONFORM TO:
  - ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE AND THE FOLLOWING CODES:
  - ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
  - ACI 350 "CODE REQUIREMENTS FOR ENVIRONMENTAL ENGINEERING CONCRETE STRUCTURES"
- C 2 REINFORCING STEEL DETAILS  
ALL DETAILING FABRICATION, AND ERECTION OF REINFORCING BARS, UNLESS OTHERWISE NOTED, SHALL BE IN ACCORDANCE WITH MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI-315), LATEST EDITION.
- C 3 DESIGN STRENGTHS
  - STRUCTURAL CAST-IN-PLACE CONCRETE  $f'_c = 4500$  PSI
  - SITWORK CONCRETE  $f'_c = 3000$  PSI
  - PRECAST CONCRETE  $f'_c = 5000$  PSI
  - REINFORCING STEEL, ASTM A615, GR. 60 DEFORMED BARS, UNLESS OTHERWISE NOTED (UON).
- C 4 CONCRETE COVER
  - CONCRETE COVER FOR REINFORCING BARS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON DRAWINGS:
  - CONCRETE CAST AGAINST EARTH - 3 INCHES.
  - ALL OTHER CONCRETE - 2 INCHES.
- C 5 BAR LAP SPLICES AND EMBEDMENT LENGTH DOWELS SHALL BE THE SAME SIZE AND SPACING AS BARS WITH WHICH THEY ARE LAPPED UNLESS OTHERWISE NOTED. ALL BAR SPLICES SHALL BE LAPPED, OR EMBEDDED, AS FOLLOWS UNLESS OTHERWISE NOTED.

## TENSION DEVELOPMENT AND LAP SPLICE LENGTHS (IN INCHES) FOR UNCOATED BARS IN NORMAL-WEIGHT CONCRETE WITH $f'_c = 4,000$ PSI OR HIGHER

THIS TABLE IS GOOD ONLY FOR CENTER/CENTER SPACING OF REINFORCING BARS EQUAL TO THE MINIMUM SHOWN OR GREATER. NO TRANSVERSE REINFORCING ASSUMED.

BAR SIZE	APPLICATION	CONCRETE COVER: 2" MIN		
		TOP	OTHER	MIN C/C SPACING
#3	DEVELOPMENT LAP SPLICE	12	12	4.50
		16	16	4.75
#4	DEVELOPMENT LAP SPLICE	15	12	4.50
		20	16	5.00
#5	DEVELOPMENT LAP SPLICE	19	15	4.75
		24	19	5.25
#6	DEVELOPMENT LAP SPLICE	22	17	4.75
		29	22	5.50
#7	DEVELOPMENT LAP SPLICE	33	25	5.00
		42	33	5.75
#8	DEVELOPMENT LAP SPLICE	37	29	5.00
		48	37	6.00
#9	DEVELOPMENT LAP SPLICE	46	36	5.25
		60	48	6.25
#10	DEVELOPMENT LAP SPLICE	57	44	5.25
		74	57	6.50

- NOTES:
1. TABULATED VALUES ARE BASED ON GRADE 60 REINFORCING BARS AND NORMAL-WEIGHT CONCRETE.
  2. TENSION DEVELOPMENT LENGTHS AND TENSION LAP SPLICE LENGTHS ARE CALCULATED PER ACI 318-08, SECTIONS 12.2.3 AND 12.15, RESPECTIVELY.
  3. LAP SPLICE LENGTHS ARE LAP CLASS B =  $1.3 l_d$  (ACI 318-08, SECTION 12.15.1).
  4. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 IN. OF FRESH CONCRETE CAST BELOW THE BARS.

# STEEL GRATING

- SG 1 WELDED STEEL BAR GRATING PER ASTM A569. MINIMUM GRATING THICKNESS: 1 1/2". MINIMUM BEARING BAR WIDTH: 3/16". BEARING BAR CLEAR SPACING: 1" AND CROSSBAR SPACING: 4" CENTER TO CENTER (NAAMM DESIGNATION W-19-4). HOT-DIP GALVANIZED PER ASTM A123 AFTER FABRICATION.
- SG 2 ANCHOR TO SUPPORT WITH 1/4" DIAMETER SELF-TAPPING GALVANIZED SCREWS PLACED THROUGH GALVANIZED U-SHAPED CLIPS ENGAGING TWO BEARING BARS. MINIMUM FOUR CLIPS PER GRATING PANEL. MAXIMUM DISTANCE BETWEEN CLIPS: THREE FEET.
- SG 3 USE SERRATED SURFACE GRATING FOR SLIP RESISTANCE.



CITY OF APPLETON  
NORTHLAND POND

### REVISIONS

REV	DATE	DESCRIPTION

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S-001.DWG  
BC PROJECT NUMBER  
147862  
CLIENT PROJECT NUMBER  
CLIENT PROJECT NUMBER

STRUCTURAL  
NOTES 1

DRAWING NUMBER  
S-001  
SHEET NUMBER  
21 OF 46

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FILENAME: S-002.DWG PLOT DATE: 1/4/16 1:48 PM CAD USER: RICKETTS, PHIL  
 CITY OF APPLETON, WISCONSIN  
 PROJECT: NORTHLAND POND FINAL DESIGN/CADD/SHEETS/STRUCTURAL

SYSTEM OR MATERIAL	REQUIRED INSPECTION	FREQUENCY OF INSPECTION		REMARKS
		CONTINUOUS	PERIODIC	
SOILS	VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL		X	
	VERIFY SOIL MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE DESIGN BEARING CAPACITY		X	
	PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X	
	PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS		X	SEE TABLE 2
	VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	X		SEE TABLE 2
CONCRETE	INSPECT FORMWORK FOR LOCATION AND DIMENSIONS OF MEMBER BEING FORMED		X	
	VERIFY MATERIAL FOR REINFORCEMENT		X	CONTRACTOR TO SUBMIT CERTIFIED MILL TEST REPORTS
	REINFORCING STEEL PLACEMENT		X	
	INSPECT ANCHORS TO BE CAST IN CONCRETE	X		PRIOR TO AND DURING CONCRETE PLACEMENT
	INSPECT POST-INSTALLED CONCRETE ANCHORS	X		INSPECTION TO CONFORM TO IBC AND TO ANCHOR MANUFACTURER'S RECOMMENDATIONS AND ICC REPORTS
	VERIFY USE OF REQUIRED CONCRETE MIX DESIGN(S)		X	
	AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND TEMPERATURE OF CONCRETE	X		CONTINUOUS DURING PREPARATION OF SAMPLES
	CONCRETE PLACEMENT	X		
	INSPECTION FOR MAINTENANCE OF CURING PROCEDURES AND TEMPERATURE		X	VERIFY APPROPRIATE CURING METHOD HAS BEEN IMPLEMENTED AFTER EACH POUR
	VERIFY IN-SITU CONCRETE STRENGTH PRIOR TO REMOVAL OF SHORES AND FORMS FROM STRUCTURAL SLABS AND BEAMS		X	
GROUTING FOR EQUIPMENT MOUNTING	X			

**STRUCTURAL DEFERRED SUBMITTALS (IBC 2009 SECTION 107.3.4.2)**

- SDS 1 THE CONTRACTOR SHALL SUBMIT DRAWINGS AND CALCULATIONS BEARING THE SEAL OF A PROFESSIONAL ENGINEER LICENSED IN WISCONSIN TO THE ENGINEER FOR REVIEW. STRUCTURAL DEFERRED SUBMITTALS INCLUDE:
1. PRECAST-PRESTRESSED CONCRETE SITE STRUCTURES AND VAULTS.
  2. ANCHOR BOLTS FOR MAJOR EQUIPMENT ANCHORAGE.
  3. CONSTRUCTION SHORING.

SYSTEM OR MATERIAL	TESTING		REMARKS
	CODE OR STANDARD REFERENCE	FREQUENCY	
<b>GEOTECHNICAL</b>			
PREPARED SUBGRADE DENSITY	ASTM D1557	EACH 300 SF OF PREPARED SUBGRADE	PER GEOTECHNICAL REPORT
FILL IN-PLACE DENSITY	ASTM D1557	EACH 300 SF OF EACH LIFT PLACED EACH DAY	PER GEOTECHNICAL REPORT
<b>CONCRETE</b>			
CONCRETE COMPRESSIVE STRENGTH	ASTM C31,ASTM C39,ASTM C172	SEE SPECIFICATION 03300	
CONCRETE SLUMP	ASTM C143	WHENEVER CYLINDERS ARE CAST	
CONCRETE AIR CONTENT	ASTM C231	WHENEVER CYLINDERS ARE CAST	
CONCRETE TEMPERATURE	ASTM C1064	WHENEVER CYLINDERS ARE CAST	
GROUT COMPRESSIVE STRENGTH	ASTM C942 (CEMENTITIOUS) ASTM C579 (EPOXY)		TEST 2" CUBES FOR EACH GROUT PLACEMENT

**QUALITY ASSURANCE NOTES**

1. THE QUALITY OF THE WORKMANSHIP AND THE QUALITY OF THE MATERIALS OF CONSTRUCTION ARE GOVERNED BY THE INTERNATIONAL BUILDING CODE, IBC 2009 EDITION.
2. ALL NEW STRUCTURES AND MODIFICATIONS TO EXISTING STRUCTURES TO BE CONSTRUCTED AS A PART OF THIS PROJECT ARE CLASSIFIED AS OCCUPANT CATEGORY II, STORM WATER TREATMENT FACILITY, IN ACCORDANCE WITH THE IBC. THE STRUCTURES ARE CLASSIFIED AS SEISMIC DESIGN CATEGORY B.
3. TO ASSURE THE QUALITY OF THE CONSTRUCTION OF THIS PROJECT, STRUCTURAL TESTS AND SPECIAL INSPECTION WILL BE PERFORMED IN ACCORDANCE WITH IBC, CHAPTER 17.
4. WHERE FREQUENCY OF INSPECTION IS SPECIFIED TO BE CONTINUOUS, THE SPECIAL INSPECTOR IS EXPECTED TO BE PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED AND PROVIDING FULL-TIME OBSERVATION OF THE WORK REQUIRING SPECIAL INSPECTION.
5. WHERE FREQUENCY OF INSPECTION IS SPECIFIED TO BE PERIODIC, THE SPECIAL INSPECTOR IS EXPECTED TO BE PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AT INTERMITTENT TIMES AND AT THE COMPLETION OF THE WORK (PRIOR TO THE NEXT CONSTRUCTION TASK).
6. SPECIAL INSPECTIONS ARE IN ADDITION TO INSPECTIONS BY THE BUILDING OFFICIALS. CONSTRUCTION IS SUBJECT TO INSPECTION BY THE BUILDING OFFICIAL. COORDINATE WITH BUILDING DEPARTMENT TO DETERMINE REQUIRED INSPECTIONS.
7. CONTRACTOR SHALL PROVIDE ACCESS TO THE WORK FOR REQUIRED INSPECTIONS. CONTRACTOR SHALL PROVIDE NOTIFICATION IN ADVANCE OF REQUIRED INSPECTION AND TESTING.
8. AN INDEPENDENT TESTING COMPANY RETAINED BY THE OWNER AND APPROVED BY THE BUILDING OFFICIAL WILL PROVIDE INSPECTIONS AND TESTING IN ACCORDANCE WITH TABLE 1 AND TABLE 2.



**CITY OF APPLETON  
NORTHLAND POND**

REV	DATE	DESCRIPTION

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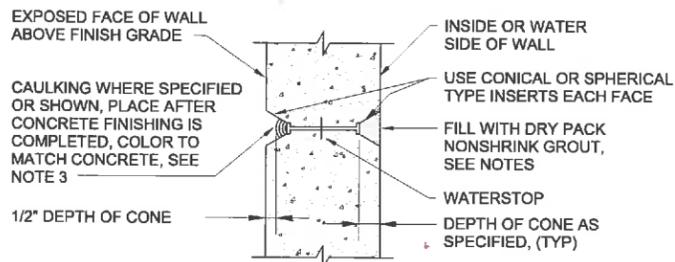
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CLIENT PROJECT NUMBER: CLIENT PROJECT NUMBER

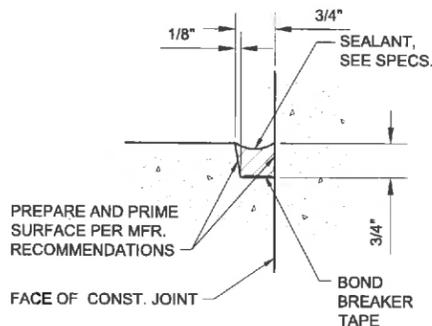
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SHEET NUMBER:  
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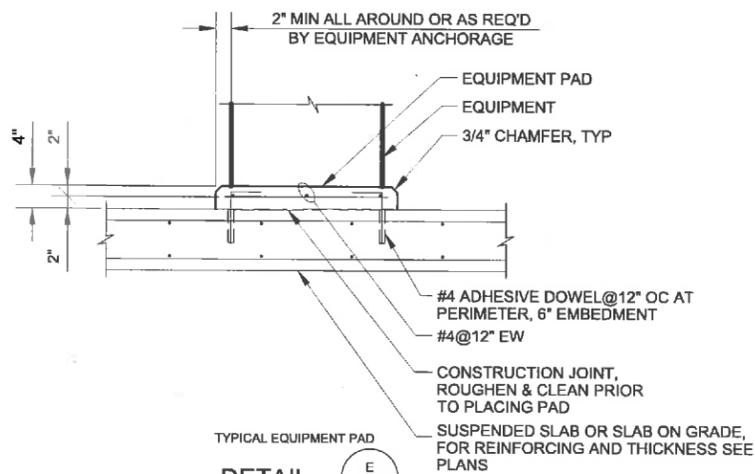
- NOTES:**
- FOR FORM TIE HOLES ON OUTSIDE FACE OF WALL BELOW GRADE, FILL WITH NONSHRINK GROUT, (DRY PACK).
  - THE SPACING OF FORM TIES ON EXPOSED PORTIONS OF WALLS SHALL BE APPROXIMATELY EQUAL HORIZONTALLY AND VERTICALLY AND SHALL BE UNIFORM IN EACH DIRECTION.
  - WHERE CAULKING IS NOT SPECIFIED OR SHOWN, DRY PACK EXTERIOR TIE HOLES WITH NONSHRINK GROUT WITH COLOR OF GROUT TO MATCH COLOR OF CONCRETE AS CLOSE AS POSSIBLE.



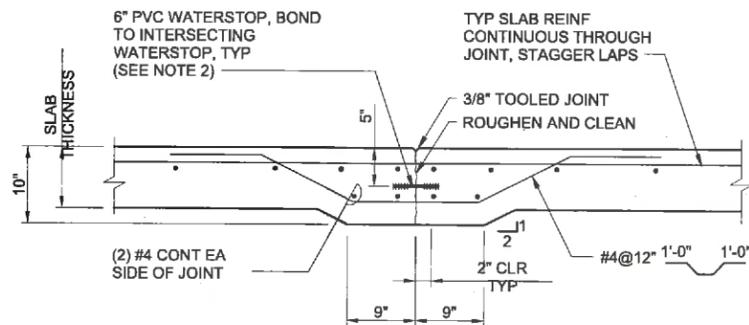
FORM SNAP-TIE HOLE  
**DETAIL A**  
NO SCALE



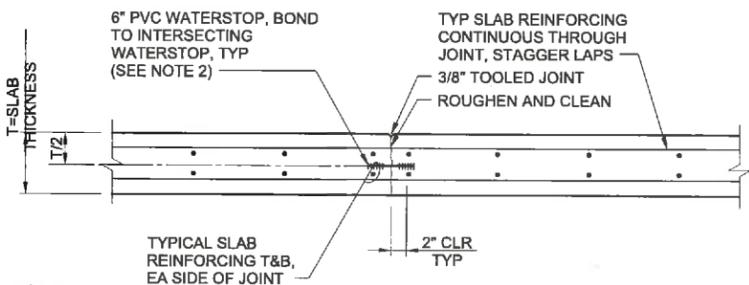
SEALANT GROOVE  
**DETAIL D**  
NO SCALE



TYPICAL EQUIPMENT PAD  
**DETAIL E**  
NO SCALE



- NOTES:**
- 10" THICKENED SLAB AND ADDITIONAL #4 REQUIRED ONLY AT JOINTS WITH WATERSTOPS.
  - FOR SLABS 10" THICK OR GREATER, NO THICKENING REQUIRED.

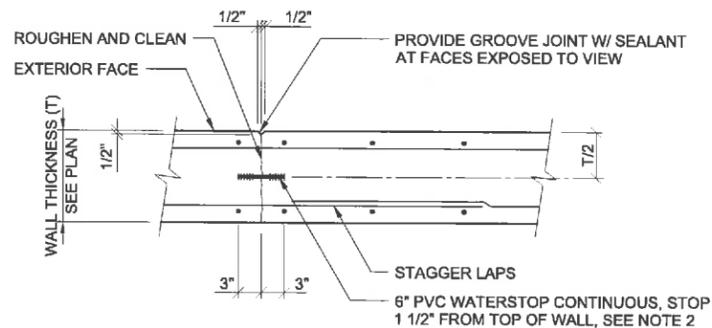


- NOTES:**
- ALL REINFORCING SHALL BE CONTINUOUS THROUGH JOINT.
  - WATERSTOP REQUIRED AT BELOW GRADE SLABS.

**DOUBLE MAT OF REINFORCING**

TYPICAL SLAB CONSTRUCTION JOINT

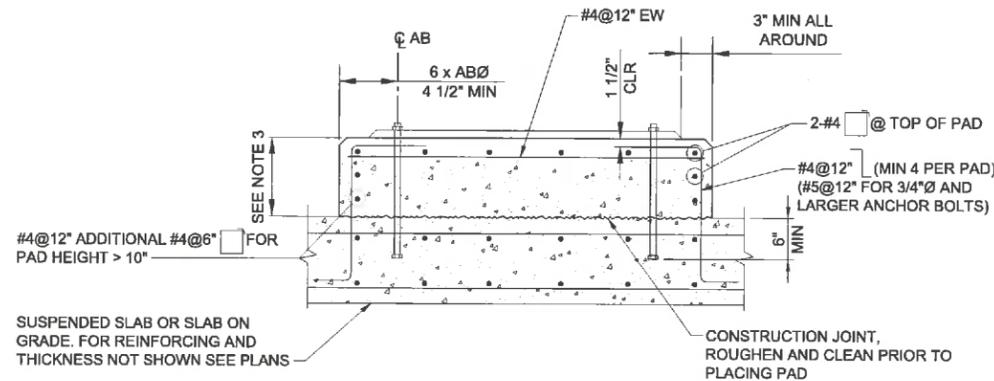
**DETAIL B**  
SCALE: NONE



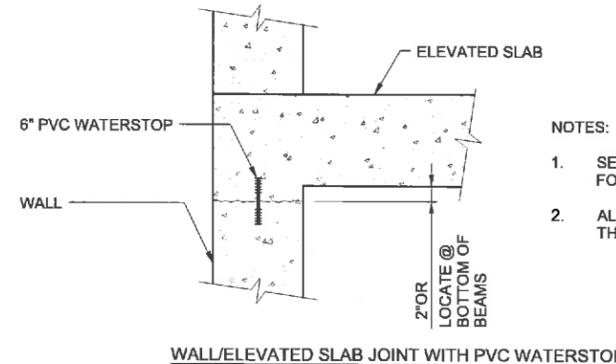
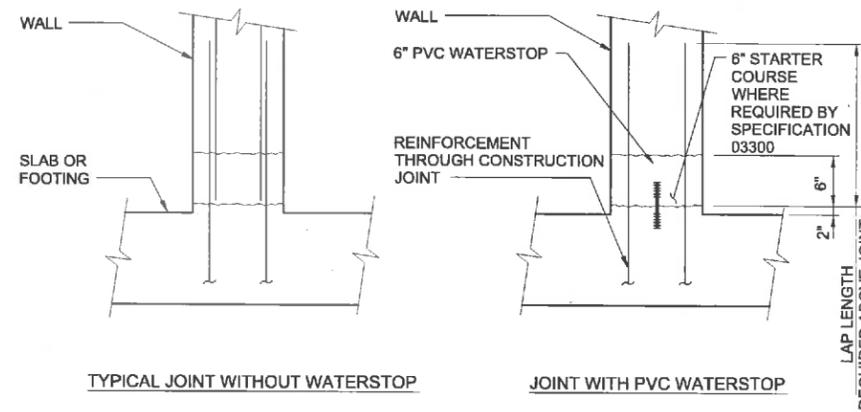
- NOTES:**
- ALL REINFORCING SHALL BE CONTINUOUS THROUGH JOINT.
  - WATERSTOP REQUIRED AT PUMP STATION WALLS.

TYPICAL VERTICAL WALL CONSTRUCTION JOINT

**DETAIL F**  
SCALE: NONE



- NOTES:**
- PAD SIZE SHALL BE MINIMUM INDICATED OR AS SHOWN ON THE PLANS OR AS INDICATED BY THE MANUFACTURER AND APPROVED BY THE ENGINEER.
  - COORDINATE LOCATION OF ELECTRICAL CONDUIT AND DRAINAGE PIPING PENETRATIONS WITHIN THE EQUIPMENT PAD. STUB UP PENETRATIONS ON THE SAME SIDE OF THE EQUIPMENT AS REQUIRED FOR CONNECTION TO EQUIPMENT. EQUIPMENT DRAINS SHALL BE LOCATED AS REQUIRED FOR DRAINAGE FROM EQUIPMENT. EQUIPMENT PAD SHALL BE CONFIGURED ACCORDINGLY.
  - HEIGHT OF PADS SHALL BE MINIMUM REQUIRED FOR ANCHOR BOLT CLEARANCE TO KEEP ANCHOR BOLT ABOVE SUPPORTING SLAB. WHERE EQUIPMENT OR PIPING ELEVATION REQUIRE A PAD HEIGHT LESS THAN THE MINIMUM SHOWN, USE ANCHOR BOLT EMBEDDED INTO BASE SLAB.



- NOTES:**
- SEE SECTIONS AND DETAILS FOR TYPE OF JOINT REQUIRED.
  - ALL REINFORCING TO CONTINUE THROUGH JOINT.

TYPICAL HORIZONTAL CONSTRUCTION JOINT

**DETAIL G**  
SCALE: NONE



**CITY OF APPLETON  
NORTHLAND POND**

REVISIONS		
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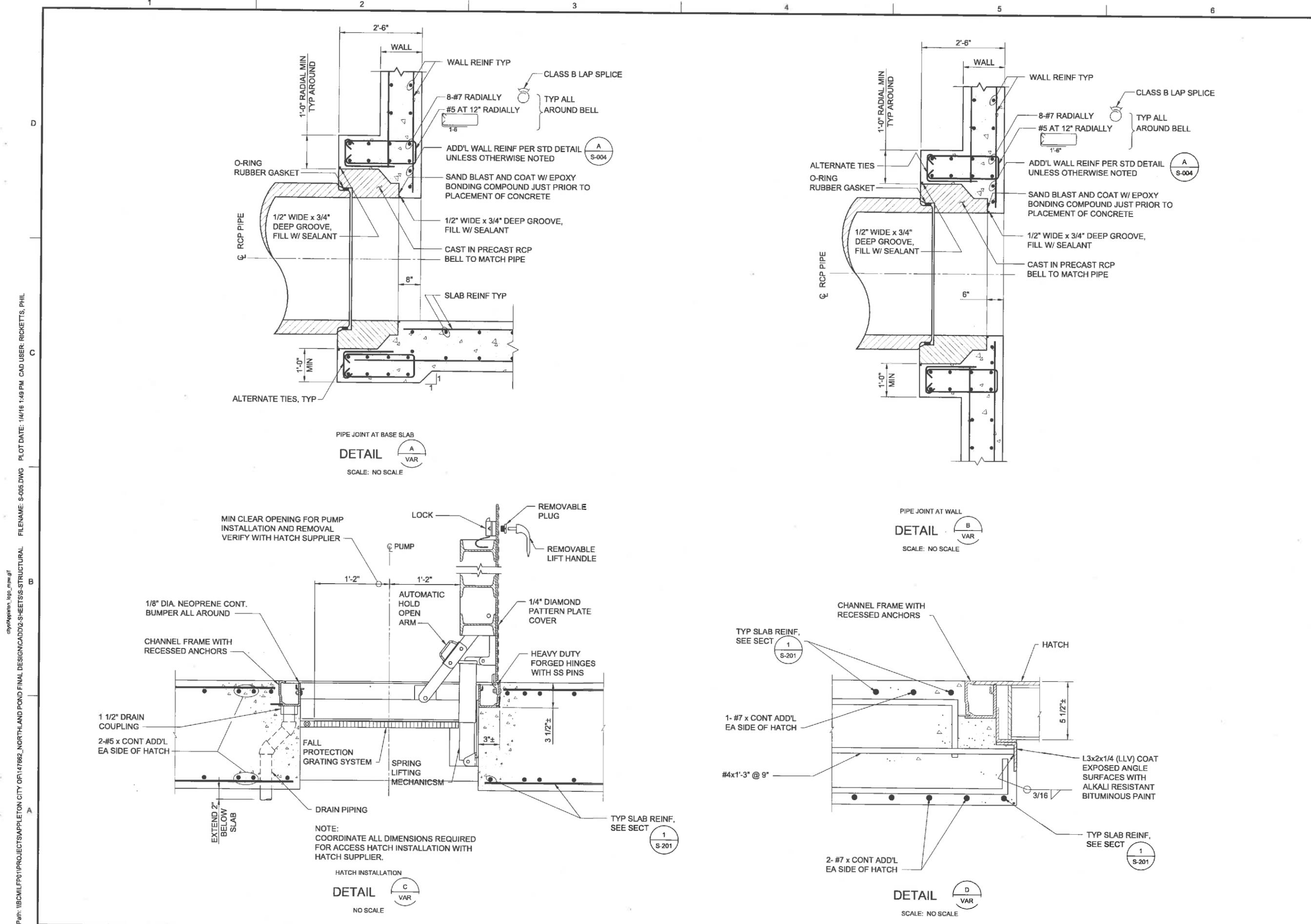
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**STRUCTURAL  
STANDARD DETAILS  
1**

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SHEET NUMBER	23 OF 46

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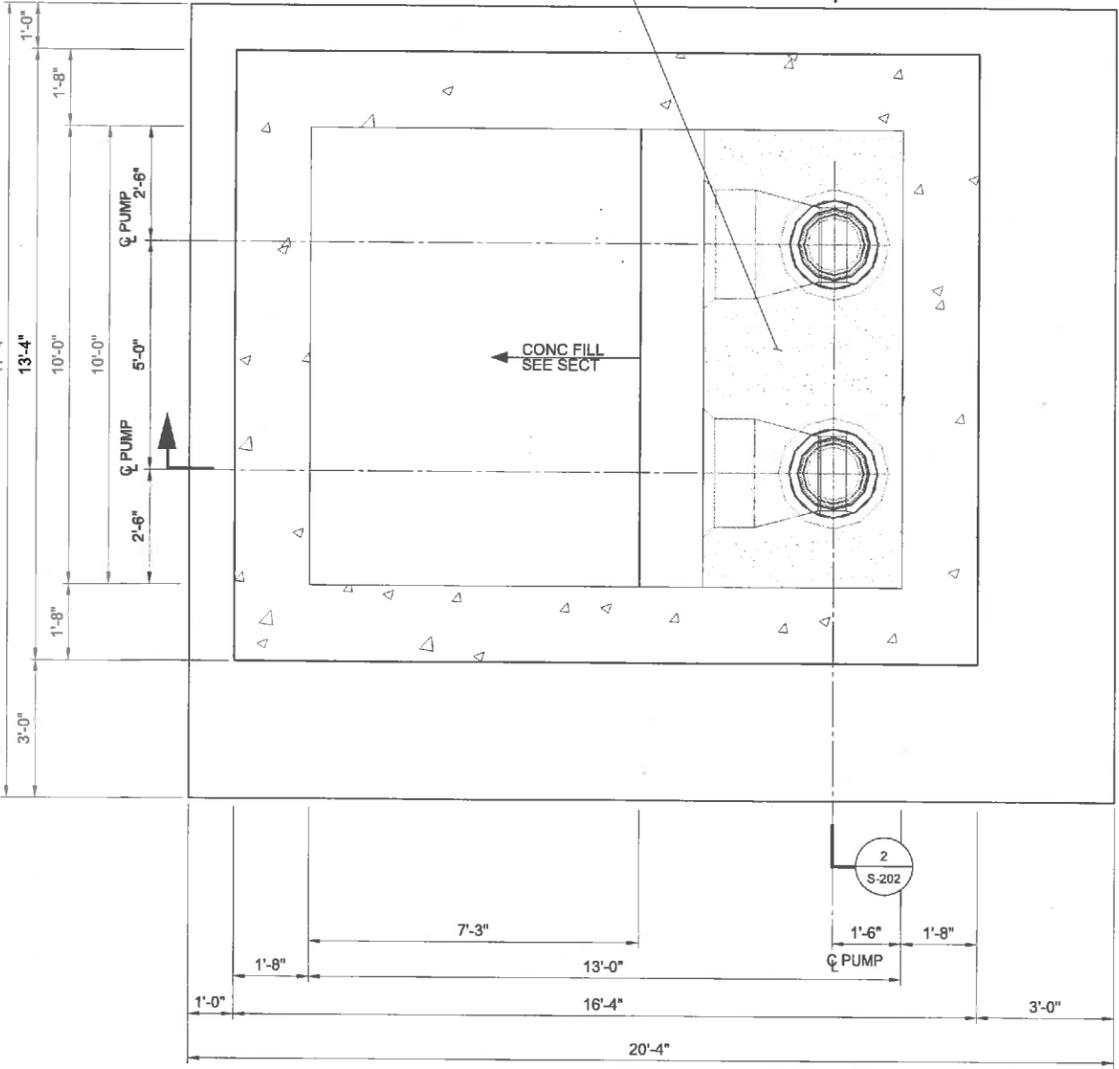
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STRUCTURAL  
STANDARD DETAILS  
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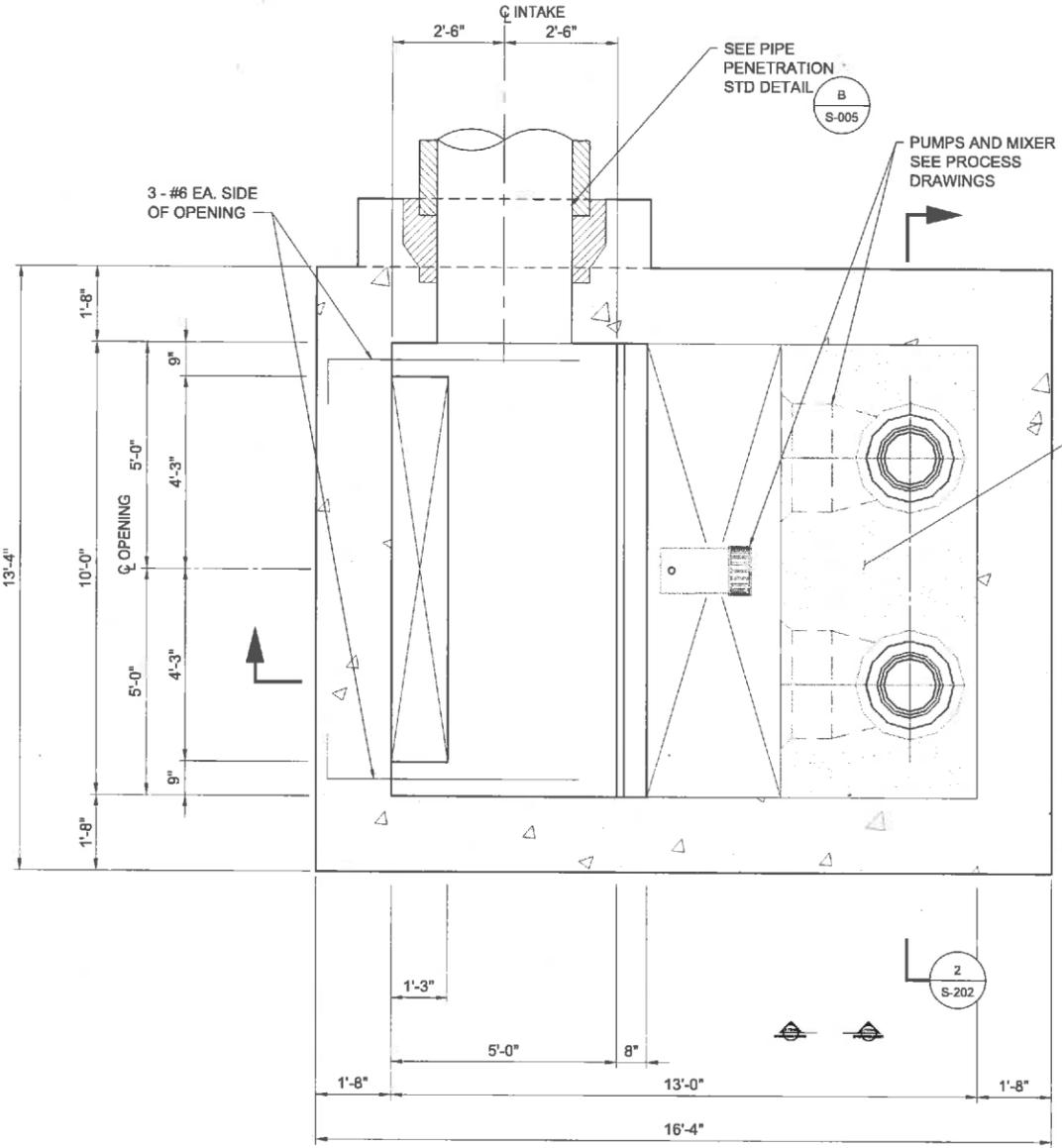
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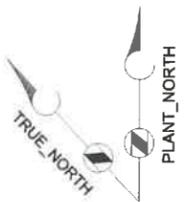
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AT EL 773.00  
**BOTTOM PLAN**  
 SCALE: 1/2" = 1'-0"



AT EL 776.17  
**INTAKE PLAN**  
 SCALE: 1/2" = 1'-0"



CITY OF APPLETON  
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REVISIONS		
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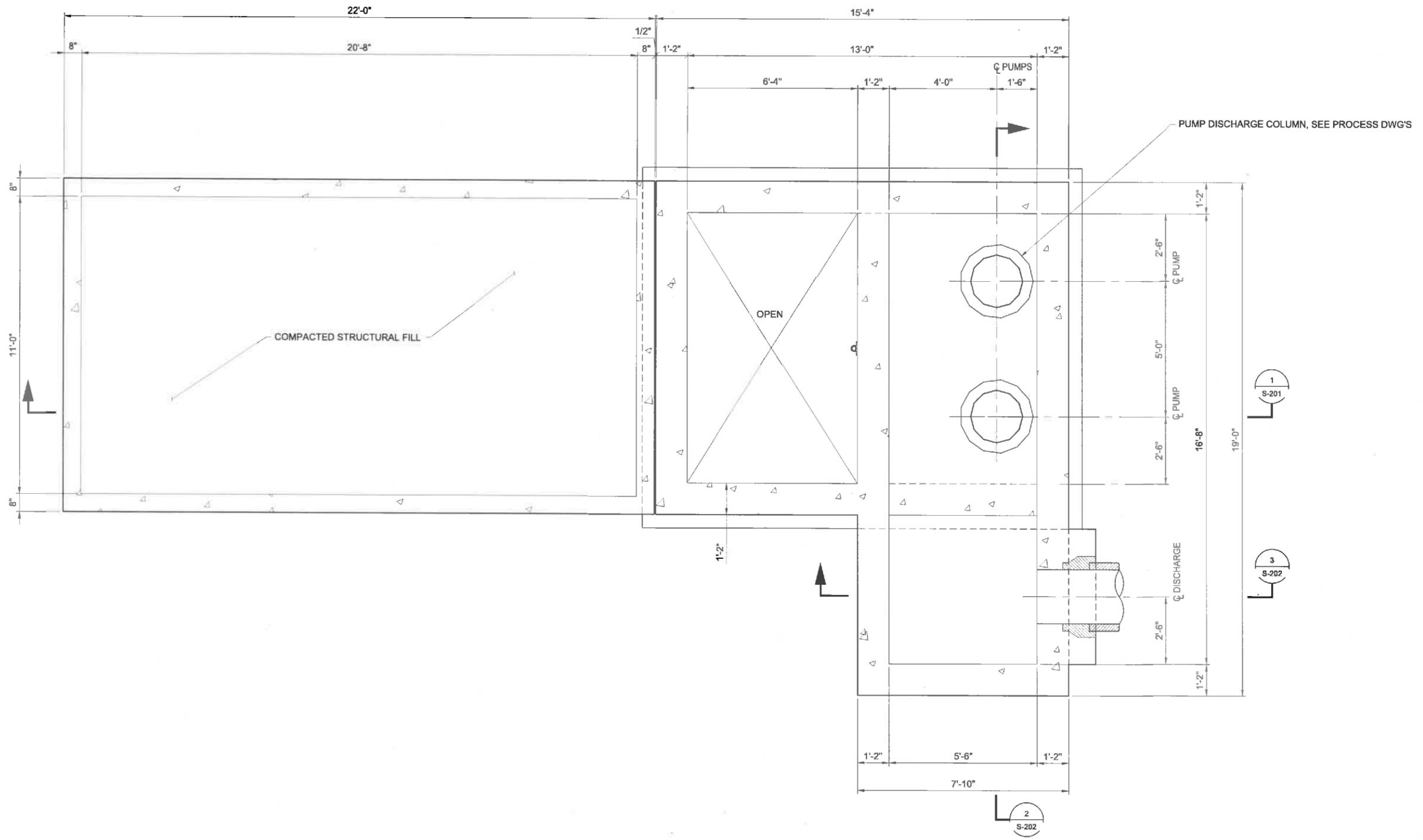
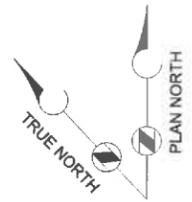
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**STRUCTURAL**  
**PUMP STATION -**  
**BOTTOM PLAN AND**  
**INTAKE PLAN**

DRAWING NUMBER  
**S-101**  
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 26 OF 46

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PLAN AT 790.00  
**DISCHARGE PLAN**  
 SCALE: 1" = 20'



CITY OF APPLETON  
 NORTHLAND POND

REVISIONS		
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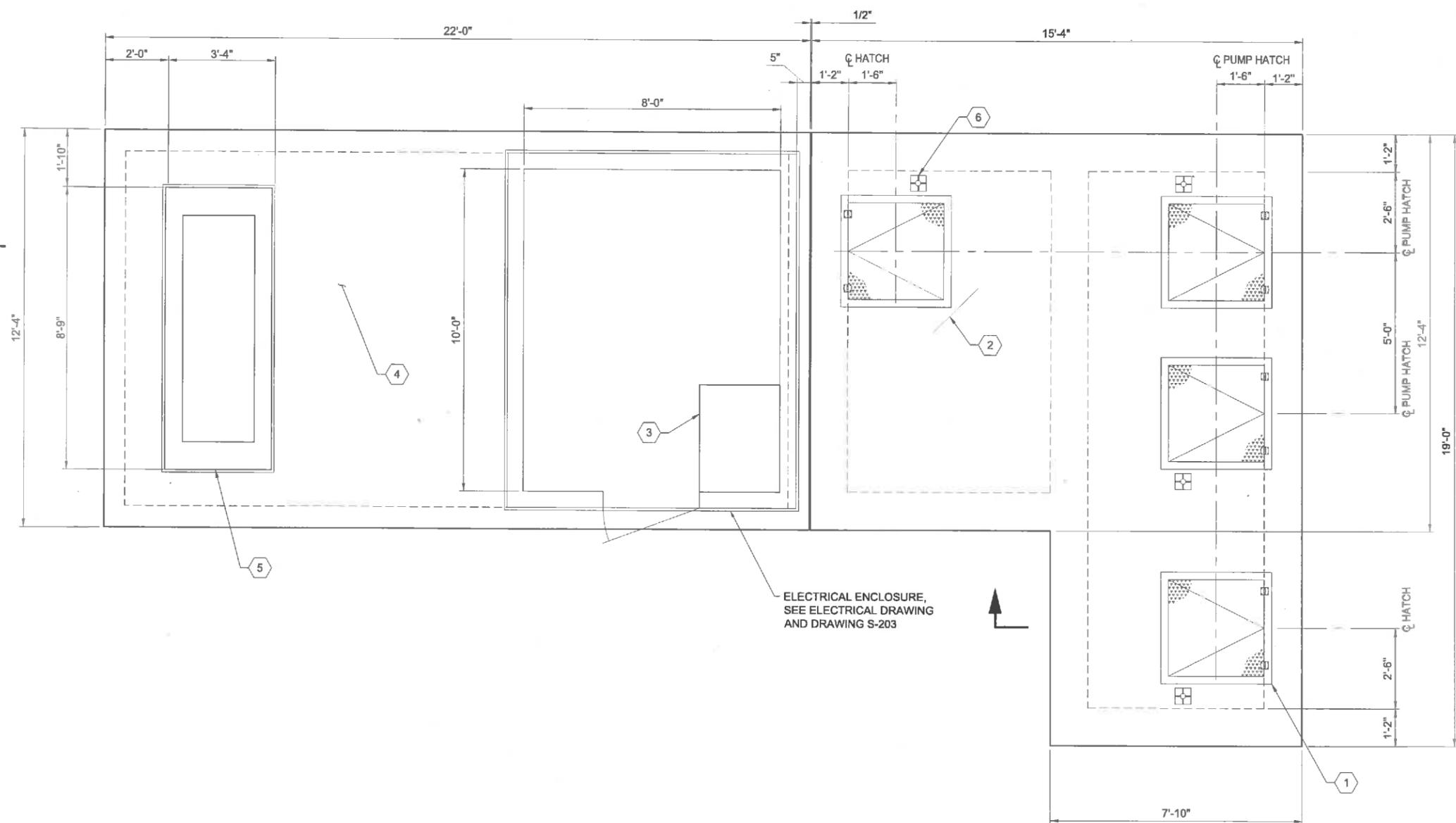
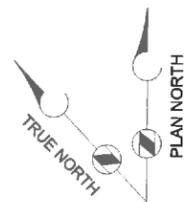
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**STRUCTURAL**  
**PUMP STATION -  
 DISCHARGE PLAN**

DRAWING NUMBER  
**S-102**  
 SHEET NUMBER  
 27 OF 46

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NORTHLAND PUMP STATION  
TOP PLAN AT EL 795.00  
SCALE: 1/2" = 1'-0"

**GENERAL NOTES:**

1. ALL ACCESS HATCHES SHALL BE DESIGNED FOR AASHTO H-20 WHEEL LOAD.

**KEY NOTES:**

- ① 36"X36" ACCESS HATCH, TYP. SEE DETAIL B/S-005.
- ② (1) - #5 - 4'-0" T&B, DIAGONAL AT CORNERS OF HATCH OPENINGS, (TYPICAL 8 PLACES).
- ③ EQUIPMENT PAD, SEE DETAIL C/S-003, COORDINATE REQUIREMENTS WITH ELECTRICAL.
- ④ ELECTRICAL EQUIPMENT AREA COORDINATE REQUIRED PENETRATIONS THROUGH SLAB WITH ELECTRICAL.
- ⑤ ELECTRICAL GENERATOR PAD, SEE DETAIL B/S-003 FOR PAD, COORDINATE SIZE, HEIGHT, AND LOCATION WITH ELECTRICAL DRAWINGS AND ELECTRICAL GENERATOR REQUIREMENTS
- ⑥ FIXED DAVIT BASE (TYP), COORDINATE LOCATION WITH ENGINEER. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SEE SPECIFICATION SECTION 05505.



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REVISIONS		
REV	DATE	DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE

DESIGNED:  
DRAWN:  
CHECKED:  
CHECKED:  
APPROVED:

FILENAME: S-103.DWG  
BC PROJECT NUMBER: 147662  
CLIENT PROJECT NUMBER: CLIENT PROJECT NUMBER

**STRUCTURAL**  
**PUMP STATION - TOP PLAN**

DRAWING NUMBER: **S-103**  
SHEET NUMBER: 28 OF 46



REVISIONS		
REV	DATE	DESCRIPTION

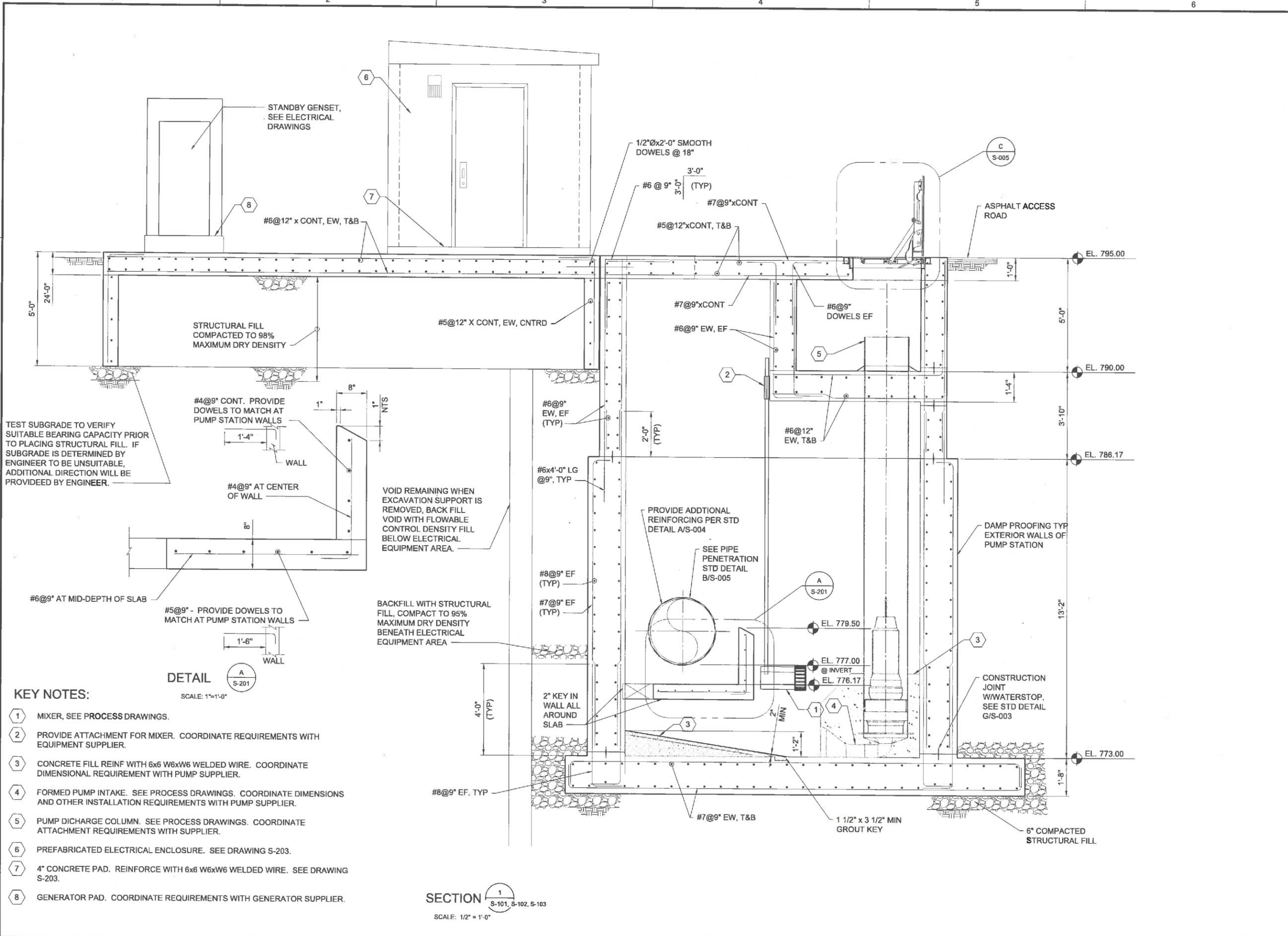
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FILENAME: S-201.DWG  
BC PROJECT NUMBER: 147862  
CLIENT PROJECT NUMBER:  
CLIENT PROJECT NUMBER:

**STRUCTURAL  
PUMP STATION -  
SECTIONS 1**

DRAWING NUMBER  
**S-201**  
SHEET NUMBER  
29 OF 46



TEST SUBGRADE TO VERIFY SUITABLE BEARING CAPACITY PRIOR TO PLACING STRUCTURAL FILL. IF SUBGRADE IS DETERMINED BY ENGINEER TO BE UNSUITABLE, ADDITIONAL DIRECTION WILL BE PROVIDED BY ENGINEER.

**DETAIL**  
SCALE: 1/2" = 1'-0"

- KEY NOTES:**
- MIXER, SEE PROCESS DRAWINGS.
  - PROVIDE ATTACHMENT FOR MIXER. COORDINATE REQUIREMENTS WITH EQUIPMENT SUPPLIER.
  - CONCRETE FILL REINF WITH 6x6 W6xW6 WELDED WIRE. COORDINATE DIMENSIONAL REQUIREMENT WITH PUMP SUPPLIER.
  - FORMED PUMP INTAKE. SEE PROCESS DRAWINGS. COORDINATE DIMENSIONS AND OTHER INSTALLATION REQUIREMENTS WITH PUMP SUPPLIER.
  - PUMP DISCHARGE COLUMN. SEE PROCESS DRAWINGS. COORDINATE ATTACHMENT REQUIREMENTS WITH SUPPLIER.
  - PREFABRICATED ELECTRICAL ENCLOSURE. SEE DRAWING S-203.
  - 4" CONCRETE PAD. REINFORCE WITH 6x6 W6xW6 WELDED WIRE. SEE DRAWING S-203.
  - GENERATOR PAD. COORDINATE REQUIREMENTS WITH GENERATOR SUPPLIER.

**SECTION 1**  
SCALE: 1/2" = 1'-0"

Path: \\BSCMILLP01\PROJECTS\APPLETON CITY OF 147862\_NORTHLAND POND FINAL DESIGN\CADD2-SHEETS\STRUCTURAL FILENAME: S-201.DWG PLOT DATE: 1/4/16 1:52 PM CAD USER: RICKETTS, PHIL

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REVISIONS		
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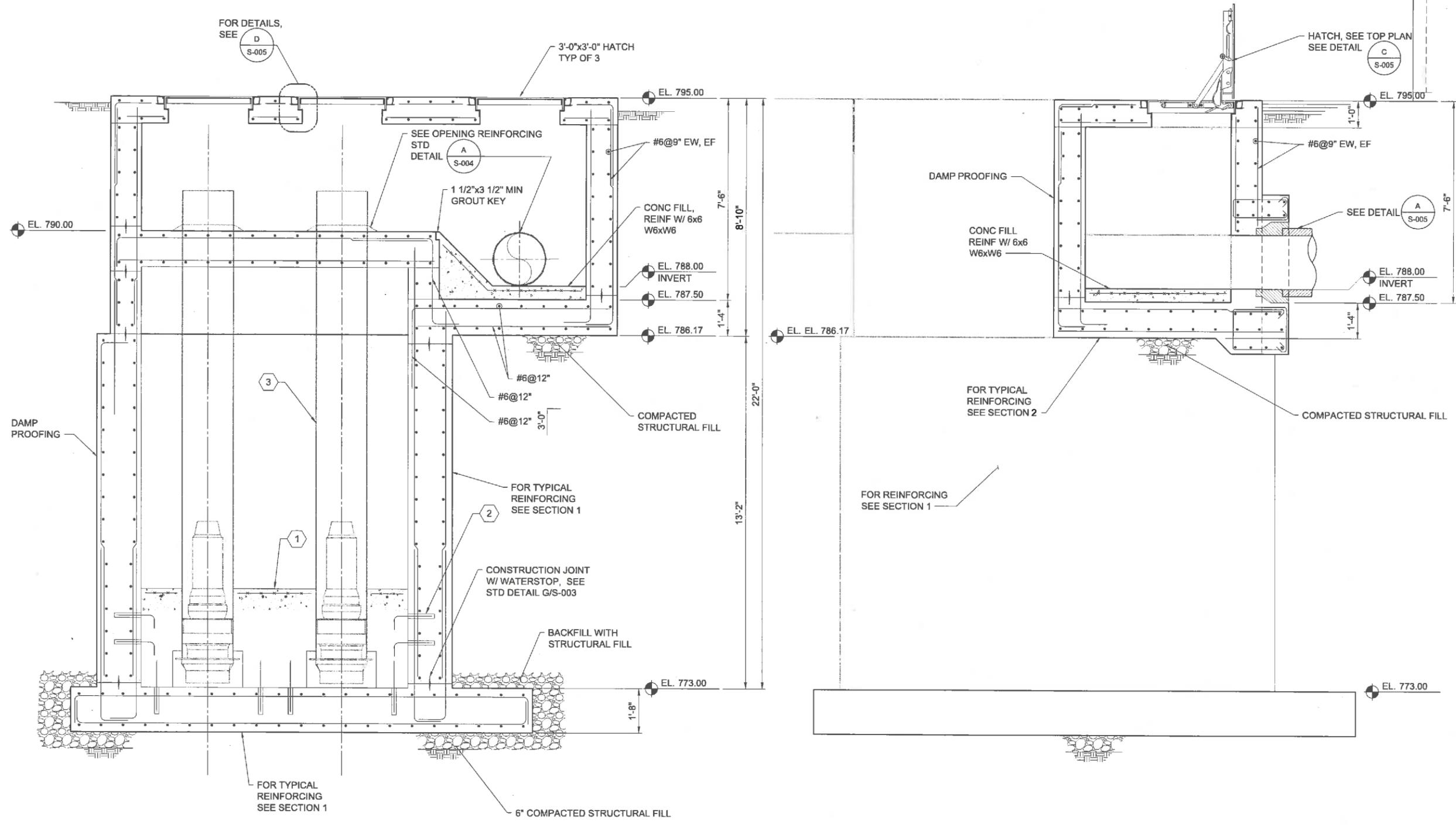
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DRAWN:  
CHECKED:  
CHECKED:  
APPROVED:

FILENAME: S-202.DWG  
BC PROJECT NUMBER: 147662  
CLIENT PROJECT NUMBER: CLIENT PROJECT NUMBER

**STRUCTURAL**  
**PUMP STATION - SECTIONS 2**

DRAWING NUMBER  
**S-202**  
SHEET NUMBER  
30 OF 46

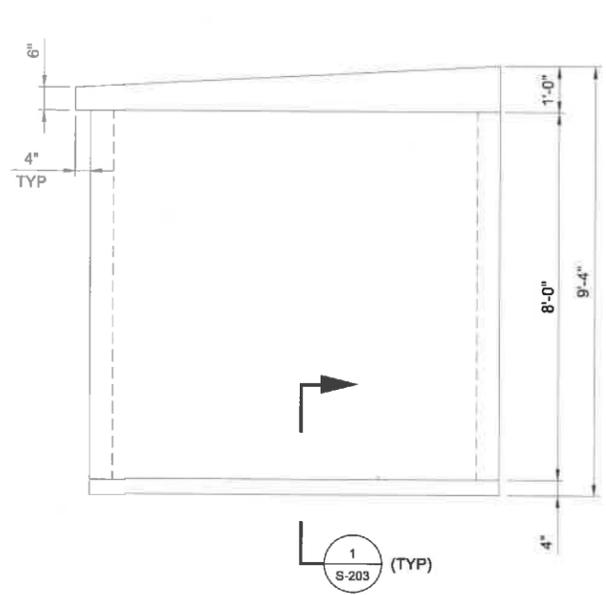


**SECTION 2**  
S-101, S-102, S-103  
SCALE: 1/2" = 1'-0"

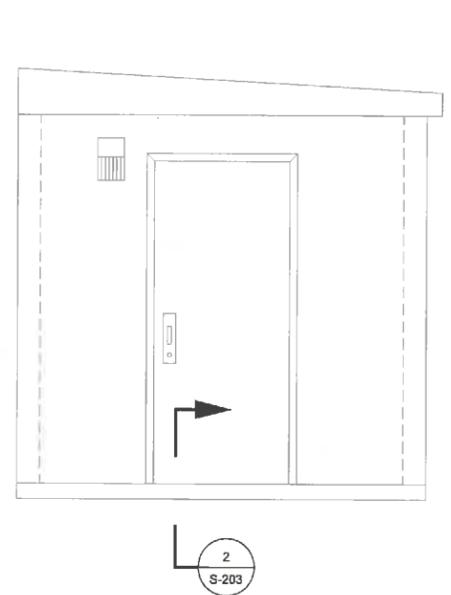
**SECTION 3**  
S-101, S-102, S-103  
SCALE: 1/2" = 1'-0"

- KEY NOTES:**
- ① FORMED PUMP INTAKE/CONCRETE FILL. COORDINATE REQUIREMENTS WITH PUMP SUPPLIER. REINFORCEMENT EXPOSED VIEW FACES OF CONCRETE FILL WITH 6x6 W6xW6.
  - ② #4 ADHESIVE DOWELS TO PUMP STATION WALLS AND BASE SLAB AS SHOWN. 12 REQUIRED. SEE STANDARD DETAIL D/S-004.
  - ③ PUMP DISCHARGE COLUMNS.

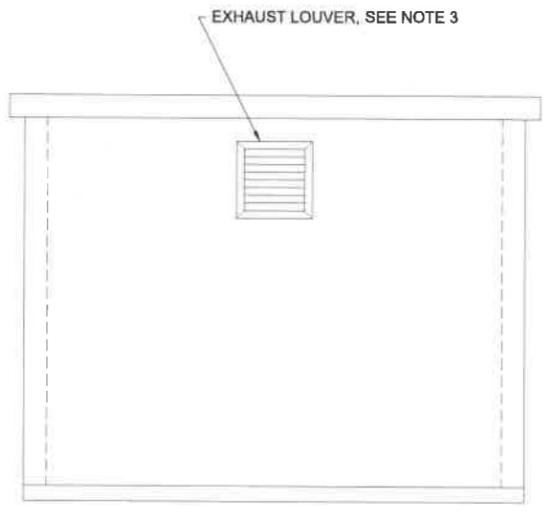
1 2 3 4 5 6



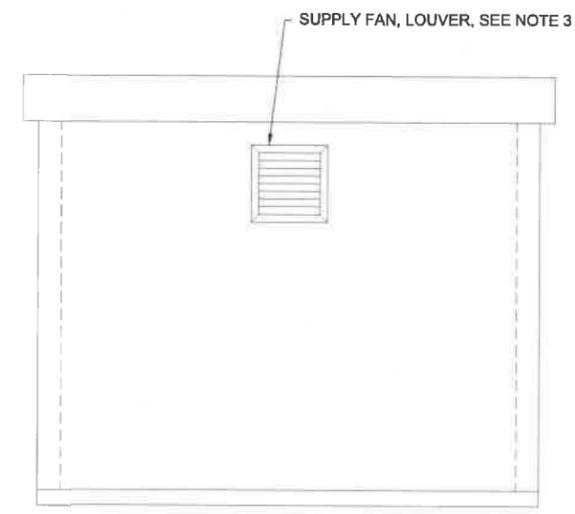
NORTH  
ELEVATION  
1/2"=1'-0"



SOUTH  
ELEVATION  
1/2"=1'-0"



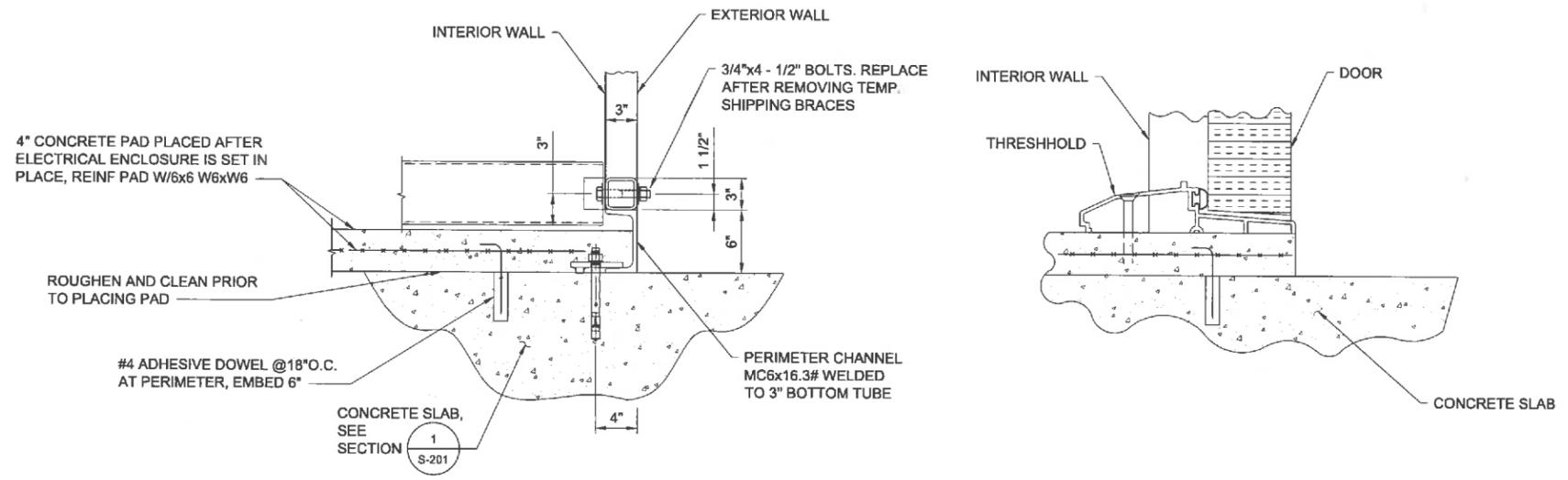
EAST  
ELEVATION  
1/2"=1'-0"



WEST  
ELEVATION  
1/2"=1'-0"

NOTES:

1. CONTRACTOR TO CONFIRM SIZE AND LOCATION OF OPENINGS REQUIRED FOR WALL PIPING AND FLOOR PENETRATIONS.
2. PROVIDE PREFABRICATED ELECTRICAL EQUIPMENT ENCLOSURE. REFERENCE SPECIFICATION SECTION 16922.
3. LOCATE FAN AND LOUVER TO AVOID INTERFERENCE WITH ELECTRICAL EQUIPMENT.



SECTION 1  
S-201  
SCALE: NO SCALE

SECTION 2  
S-203  
SCALE: NO SCALE



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REVISIONS		
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LINE IS 2 INCHES AT FULL SIZE

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CHECKED:  
APPROVED:

FILENAME: S-203.DWG  
BC PROJECT NUMBER: 147662  
CLIENT PROJECT NUMBER: CLIENT PROJECT NUMBER

STRUCTURAL  
ELECTRICAL EQUIPMENT ENCLOSURE

DRAWING NUMBER  
**S-203**  
SHEET NUMBER  
31 OF 46

Path: \\BCCMIL\FP01\PROJECTS\APPLETON CITY OR 147662\_NORTHLAND POND FINAL DESIGN\CADD\2-SHEETS\SS-STRUCTURAL FILENAME: S-203.DWG PLOT DATE: 1/4/16 1:53 PM CAD USER: RICKETTS, PHIL

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REVISIONS		
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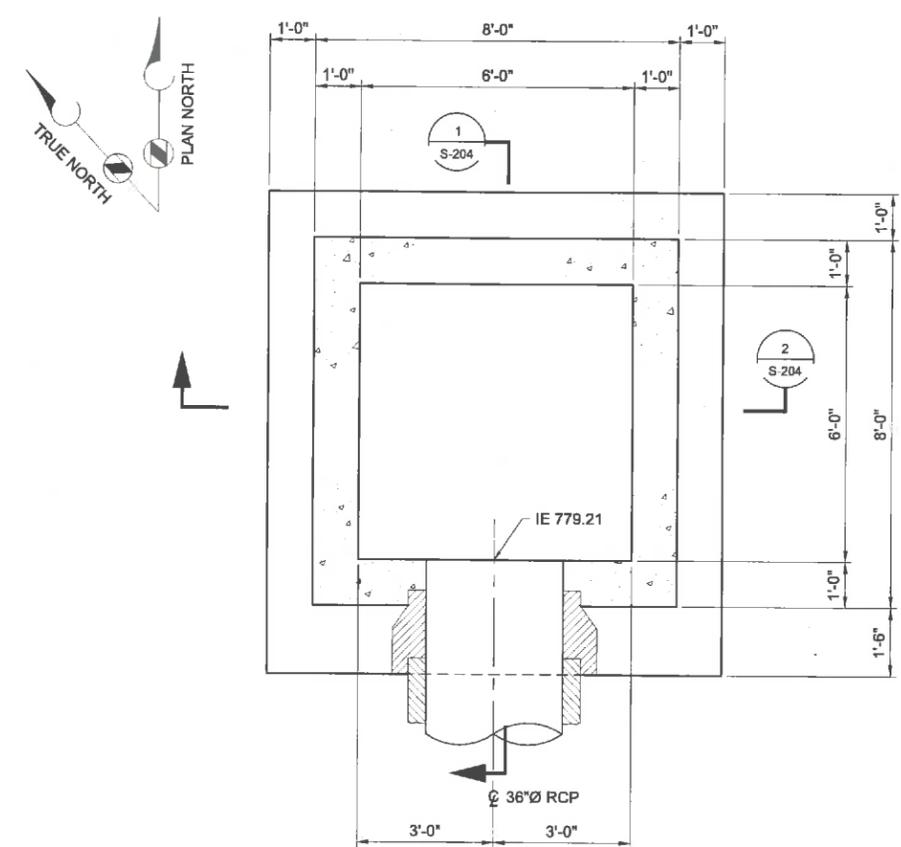
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 BC PROJECT NUMBER  
 147662  
 CLIENT PROJECT NUMBER  
 CLIENT PROJECT NUMBER

**STRUCTURAL**

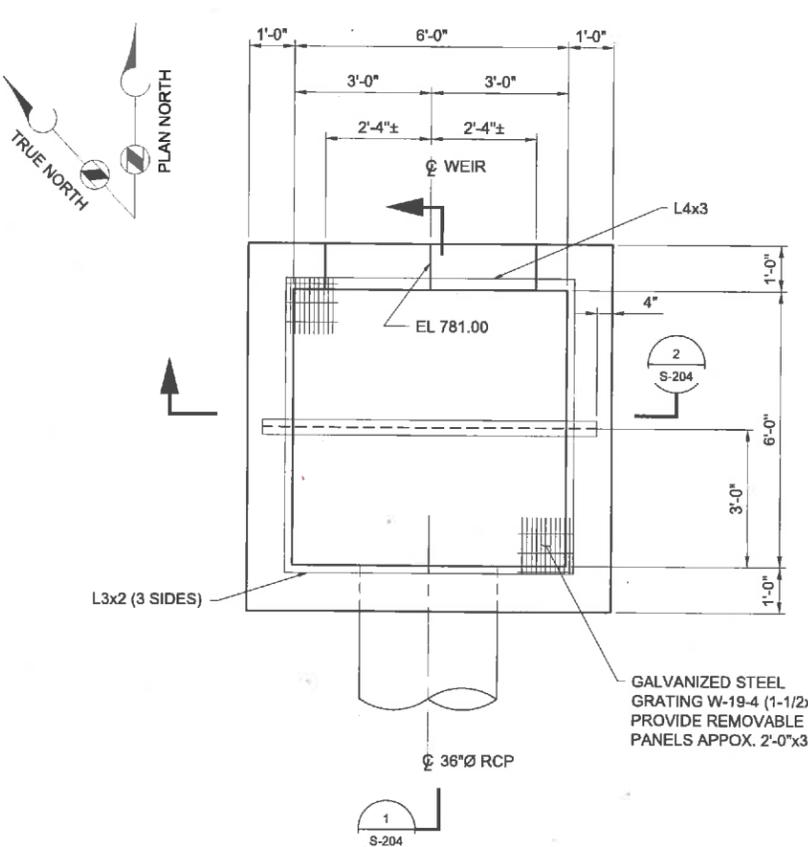
**OUTLET  
STRUCTURE -  
PLANS AND  
SECTIONS**

DRAWING NUMBER  
**S-204**

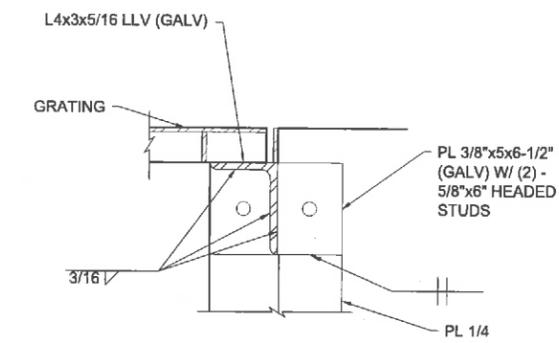
SHEET NUMBER  
32 OF 46



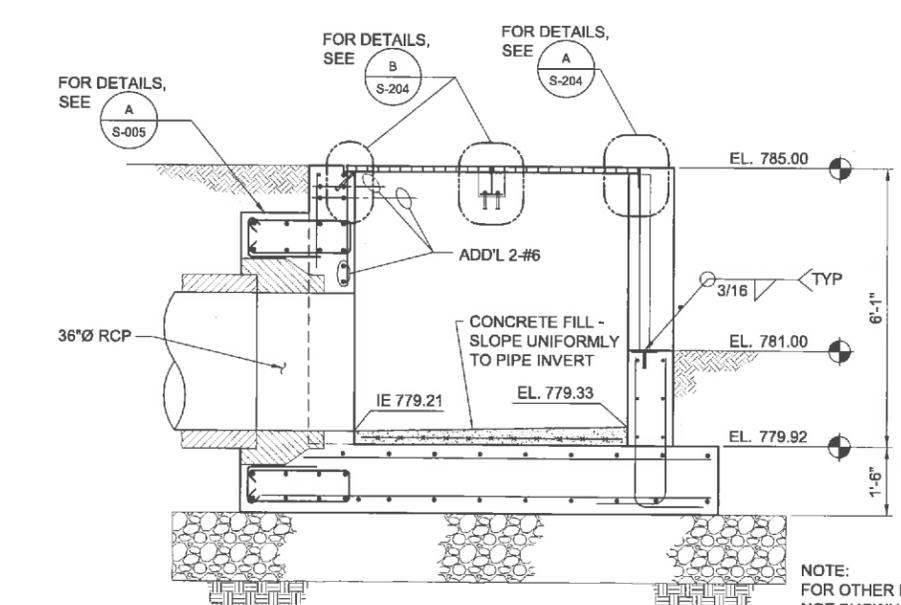
**BOTTOM PLAN AT EL 778.92**  
SCALE: 1/2" = 1'-0"



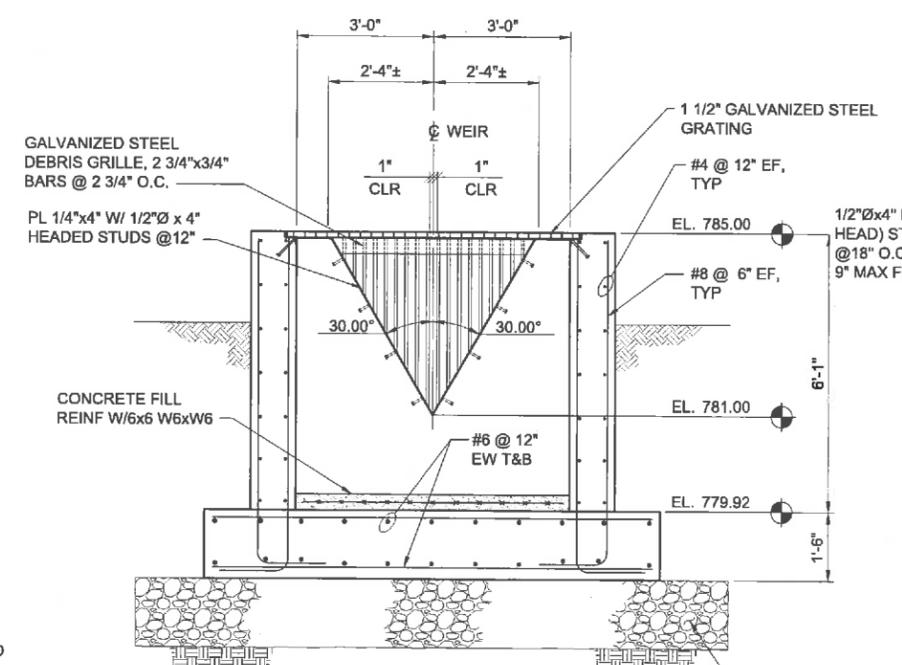
**TOP PLAN AT EL 785.00**  
SCALE: 1/2" = 1'-0"



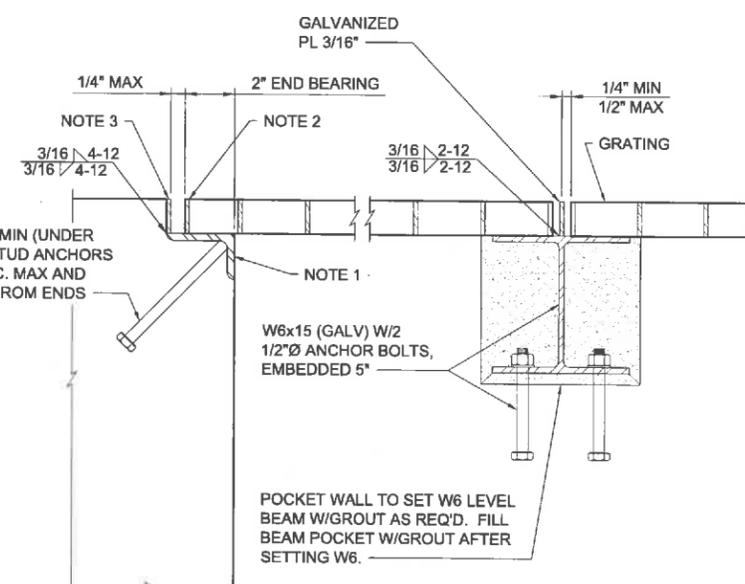
**DETAIL A**  
SCALE: 3" = 1'-0"



**SECTION 1**  
SCALE: 1/2" = 1'-0"



**SECTION 2**  
SCALE: 1/2" = 1'-0"



**DETAIL B**  
SCALE: 3" = 1'-0"

- NOTES:
1. GALVANIZED L3x2x1/4 (LLH) MITER AND WELD CORNERS.
  2. END EDGE BAND 1/4" LESS THAN DEPTH OF GRATING TYPICAL AT BEARING SEATS.
  3. CONTINUOUS FLAT BAR 1/4"xDEPTH OF GRATING WELD CORNERS.

NOTE:  
FOR OTHER INFO  
NOT SHOWN,  
SEE 2 S-204

RACEWAYS

HH23 MANHOLE (MH), HANDHOLE (HH), PULLBOX (PB)

JB1900 JUNCTION BOX. OPTIONAL IDENTIFIER

TB-1301 TERMINAL BOX. OPTIONAL IDENTIFIER

HOME RUN EXPOSED - SEE PANELBOARD, SWITCHBOARD, OR MCC SCHEDULE FOR CIRCUIT INFORMATION

EXAMPLE: HOME TO PANELBOARD PBD-1900, CIRCUITS 1, 3, AND 5

HOME RUN CONCEALED - SEE PANELBOARD, SWITCHBOARD, OR MCC SCHEDULE FOR CIRCUIT INFORMATION

EXAMPLE: HOME TO PANELBOARD PBD-1900, CIRCUITS 1, 3, AND 5

CABLE TRAY MODIFIERS:  
 CTS - 24VDC OR LESS  
 CTC - 120V CONTROL CONDUCTORS  
 CTP - 600V POWER CONDUCTORS

CABLE #4/0 AND LARGER SHALL NOT BE STACKED VERTICALLY

WHEN TWO TRAY MODIFIERS IDENTIFY A SINGLE TRAY, THE CONTRACTOR MAY USE DIVIDER OR INSTALL SEPARATE TRAYS (CTC/CTS)

CABLE TRAY WITH COVER MODIFIER, AS ABOVE

P 05P1100 RACEWAY IDENTIFIER

RACEWAY EXPOSED MODIFIERS FOR RACEWAY TYPE:  
 H - POWER (ABOVE 600V)  
 P - POWER  
 C - CONTROL  
 S - SIGNAL  
 D - DATA  
 F - FIBER OPTIC  
 PC - POWER AND CONTROL  
 X - SPARE

RACEWAY CONCEALED

RACEWAY TURNED TOWARD THE VIEWER

RACEWAY TURNED DOWN

CONDUIT CAPPED

DB 05P1100 DUCT BANK IDENTIFIER (OPTIONAL)

DB --- DUCT BANK, DIRECT BURIED

CDB --- DUCT BANK, CONCRETE ENCASED

RC --- DUCTBANK, REINFORCED CONCRETE ENCASED

OHE --- OVERHEAD POWER LINE

DISTRIBUTION EQUIPMENT

APPROXIMATE SHAPE AND SCALE REPRESENTED WHERE POSSIBLE. HOWEVER, EXACT SIZE AND NUMBER OF SECTIONS IS ESTIMATED

FLOOR-STANDING DISTRIBUTION ASSEMBLY, SUCH AS A SWITCHBOARD, TRANSFORMER, OR MOTOR CONTROL CENTER

MCC-1200 EQUIPMENT DESIGNATION (EXAMPLE)

WALL-MOUNTED DISTRIBUTION ASSEMBLY, SUCH AS PANELBOARD, MOTOR STARTER PANEL, OR TERMINAL CABINET

PBD-1900 EQUIPMENT DESIGNATION (EXAMPLE)

LIGHTING

FIXTURE IDENTIFIER:

NUMBER OF FIXTURES (SHOWN ONLY WHEN REQUIRED FOR CLARITY)

FIXTURE TYPE. TYPE APPLIES TO ALL FIXTURES OF THE SAME SHAPE WITHIN A ROOM OR AREA.

MOUNTING:  
 L = POLE R = RECESSED  
 G = GROUND S = SURFACE  
 P = PENDANT W = WALL

MOUNTING HEIGHT, FLOOR TO BOTTOM OF FIXTURE UDN. AHAP= AS HIGH AS POSSIBLE. AD= ABOVE DOOR.

NUMBER OF LAMPS/LAMP WATTAGE

CONTROL: PHOTOCELL, SWITCH, CONTACTOR

LIGHTING FIXTURE SHAPES AND SCALE ARE REPRESENTED WHERE POSSIBLE. THE EXAMPLES SHOWN BELOW ARE TYPICAL APPLICATIONS

RECESSED FLUORESCENT FIXTURE

SUSPEND PENDANT MOUNTED FIXTURE

SURFACE MOUNTED FIXTURE

NS EMERGENCY LIGHTING FIXTURES, FIXTURES WITH EMERGENCY BALLASTS, AND FIXTURES IDENTIFIED WITH AN 'NS' SHALL BE PROVIDED WITH NON-SWITCHED POWER SOURCE

FLUORESCENT FIXTURE WITH EMERGENCY BATTERY PACK

LIGHT FIXTURE

WALL MOUNTED FIXTURE

DIRECTIONAL LIGHT

POLE MOUNTED AREA LIGHT

EMERGENCY LIGHTING UNIT SELF CONTAINED

LIGHTING CONTINUED

EXIT LIGHTS:

SURFACE ON CEILING

WALL MOUNTED

WITH DIRECTIONAL ARROWS

3a

CIRCUIT IDENTIFIER: WHEN SHOWN ADJACENT TO FIXTURE IDENTIFIES CIRCUIT NUMBER AND SWITCH. EXAMPLE: CIRCUIT 3, CONTROLLED BY SWITCH a

PC PHOTO CELL

OS OCCUPANCY SENSOR

WIRING DEVICES

SWITCHES:

UNLESS OTHERWISE NOTED, ALL SWITCHES ARE WALL MOUNTED

TOGGLE SWITCH, SINGLE POLE

GANGED SWITCHES IN COMMON BOX WITH COMMON WALL PLATE

SUPERSCRIT INDICATES CIRCUIT CONTROLLED: a, b, c, ETC. MAY BE COMBINED WITH CIRCUIT NUMBER. EXAMPLE: 1a, 4b, ETC

SUBSCRIPT MODIFIER INDICATES:  
 2 = DOUBLE POLE  
 3 = THREE WAY  
 4 = FOUR WAY  
 K = KEY OPERATED  
 MC = MOMENTARY CONTACT, THREE POSITION  
 MS = MANUAL (MOTOR) STARTER OR SWITCH WITH OVERLOADS  
 R = RHEOSTAT (DIMMER, SPEED CONTROL)  
 O = OCCUPANCY SWITCH DIMMER

RECEPTACLES:

DUPLEX RECEPTACLE

RECEPTACLE MODIFIERS:  
 WP = WEATHER PROOF

GFI = GROUND FAULT CIRCUIT INTERRUPTER

H = HAZARDOUS AREA-EXPLOSION PROOF

EXPLOSION PROOF, CLASS 1, DEAD FRONT, 45° ANGLE, TWO GANG

RECESSED FLOOR RECEPTACLE-- ANY RECEPTACLE INSIDE A SQUARE

SURFACE FLOOR RECEPTACLE-- ANY RECEPTACLE INSIDE A TRIANGLE

GANGED RECEPTACLES--IN COMMON BOX, WITH COMMON WALL PLATE

RECEPTACLE, CLOCK HANGER

RECEPTACLE, DUPLEX ON EMERGENCY

480V RECEPTACLE

240V RECEPTACLE

GROUNDING

GROUND ROD

GROUND ROD WITH GROUND WELL

GROUND CONNECTION, COMPRESSION TYPE, EXOTHERMIC. SEE SPECIFIC

GROUNDING CONDUCTOR

GROUND CONNECTION

GROUND CONNECTION TO STRUCTURAL REINFORCEMENT

LIGHTNING ROD/AIR TERMINAL

MOTORS AND EQUIPMENT

MOTOR STARTER, INDIVIDUAL. NOT LOCATED IN AN MCC OR SIMILAR GROUP ASSEMBLY

COMBINATION MOTOR STARTER. NOT LOCATED IN AN MCC OR SIMILAR GROUP ASSEMBLY

DISCONNECT SWITCH, NON-FUSED EXAMPLE: 60 AMP

DISCONNECT SWITCH, FUSED EXAMPLE: 100 AMP, 2P, 80 AMP FUSES

MOTOR

SOLENOID VALVE

HEATER

THERMOSTAT

WATER HEATER

FIELD INSTRUMENT

LOCAL CONTROL STATION

LCP-0001 EQUIPMENT DESIGNATION

CONTROL PANEL, VFD, RVSS, APPROXIMATE SHAPE AND SCALE.

AREA IDENTIFICATION

CI-D1 HAZARDOUS AREA CLASSIFICATION

CI-D2 HAZARDOUS AREA CLASSIFICATION

TELEPHONE & COMMUNICATION SYSTEMS

UNLESS OTHERWISE NOTED, TELEPHONE OUTLETS SHALL BE MOUNTED AT SAME HEIGHT AS THE RECEPTACLES. VERIFY

EXTERNAL LINE OR PLANT PHONE SYSTEM OUTLET

OPTIONAL MODIFIERS:  
 A = ATTENDANT'S CONSOLE  
 F = FUTURE INSTRUMENT  
 J = JACK, PLUG-IN TYPE  
 W = WALL INSTRUMENT

BELL

OUTLET, DATA COMMUNICATION

SECURITY CAMERA

SPEAKER

AUDIBLE HORN

STROBE LIGHT (BLUE SHOWN)

ELECTRONIC CARD SWIPE

SMOKE DETECTOR

RATE-OF-RISE DETECTOR

CIRCUIT IDENTIFICATION

MODIFIER

EQUIPMENT NUMBER

SUFFIX

X XXXXXXXX -A

NOTE:  
 MODIFIERS FOR CABLE TYPE INCLUDE:  
 H - POWER (ABOVE 600V)  
 P - POWER  
 C - CONTROL  
 S - SIGNAL  
 D - DATA  
 F - FIBER OPTIC  
 PC - POWER AND CONTROL  
 X - SPARE

SUFFIX:  
 A - LETTER TO CREATE UNIQUE ID

EXAMPLE 1:  
 P101-1: 3 #2/0, #6G, 2°C FOR CIRCUIT P101: THREE NO. 2/0 CONDUCTORS, ONE NO. 6 AWG GROUND WIRE IN A 2" CONDUIT

EXAMPLE 2:  
 SES-2: 2[3 #1/0, #6G, 1 1/2" C] FOR SES-2: TWO PARALLEL RUNS OF THREE NO. 1/0 CONDUCTORS, ONE NO. 6 AWG GROUND IN 1 1/2" CONDUIT

EXAMPLE 3:  
 C111: 2-1 PR #16S, 1°C FOR CONTROL CIRCUIT: TWO SIGNAL CABLES OF #16 AWG TWISTED SHIELDED PAIR IN 1" C.

VND, 1°C VENDOR CABLE, 1" C (CONDUIT BY CONTRACTOR) TYP

GENERAL NOTES:

- SYMBOLS AND ABBREVIATION DRAWINGS ARE GENERAL IN NATURE. SOME SYMBOLS SHOWN HEREON MAY NOT BE USED ON THE CONTRACT DRAWINGS
- SYMBOLS ARE ARRANGED ON SPECIFIC DRAWINGS AND IN CATEGORIES FOR CONVENIENCE ONLY; SYMBOLS MAY BE USED ON ANY OF THE CONTRACT DRAWINGS
- IDENTIFICATIONS (ID), SIZES, RATINGS, LOCATIONS AND SIMILAR INFORMATION SHOWN ASSOCIATED WITH SYMBOLS ARE OPTIONAL; EXAMPLES OF SUCH INFORMATION ARE SHOWN WITH SOME SYMBOLS FOR CLARITY



CITY, STATE (ONLY IF REQUIRED)



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REVISIONS		
REV	DATE	DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE

DESIGNED:  
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 CHECKED:  
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 APPROVED:

FILENAME  
 E-001.DWG  
 BC PROJECT NUMBER  
 147622  
 CLIENT PROJECT NUMBER  
 CLIENT PROJECT NUMBER

ELECTRICAL  
 LEGEND AND  
 SYMBOLS - 1

DRAWING NUMBER  
 E-001  
 SHEET NUMBER  
 33 OF 46

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 B  
 A

P:\18\05\11\PROJECTS\APPLETON CITY OF\17622\_NORTHLAND POND FINAL DESIGN\CADD\DC SHEETS\ELECTRICAL FILENAME: E-002.DWG PLOT DATE: 10/8/15 2:41 PM CAD USER: SCHRUPP, WILLIAM

**CONTROL DIAGRAM SYMBOLS**

**ONE LINE DIAGRAM SYMBOLS**

**GENERAL**

- CONDUCTORS CONNECTED
- CONDUCTORS NOT CONNECTED
- TERMINAL POINT FOR EXTERNAL CONNECTIONS
- EXISTING EQUIPMENT (SCREENED)

**INDICATING LIGHTS**

L = LENS COLOR: A = AMBER, B = BLUE, G = GREEN, R = RED, W = WHITE

**PUSHBUTTONS**

- HS-XXXX: PUSHBUTTON, MOMENTARY CONTACT, NORMALLY OPEN
- HS-XXXX: PUSHBUTTON, MOMENTARY CONTACT, NORMALLY CLOSED
- HS-XXXX: PUSHBUTTON WITH MUSHROOM HEAD, EMERGENCY STOP

**SELECTOR SWITCHES**

- HS-XXXX: 2 POSITION MAINTAINED CONTACT (X = CONTACTS CLOSED, O = CONTACTS OPEN)
- HS-XXXX: 2 POSITION SPRING RETURNED TO RIGHT (O = CONTACTS OPENED, X = CONTACTS CLOSED)
- HS-XXXX: 3 POSITION MAINTAINED CONTACT (X = CONTACTS CLOSED, O = CONTACTS OPENED)

**CONTROL RELAYS**

- OPERATING COIL: CR = CONTROL RELAY, U = UNLATCH, L = LATCH
- OVERLOAD RELAY: OL
- OUTPUT CONTACTS: CR2 (LINE), CR2 (LINE)

**INPUT SWITCHES**

NORMALLY OPEN	NORMALLY CLOSED	INITIATING VARIABLE
SS	SS	SPEED
TS	TS	TEMPERATURE
WS	WS	FORCE OR TORQUE
ZS	ZS	POSITION (LIMIT)
FS	FS	FLOW
LS	LS	LEVEL
PS	PS	PRESSURE

**TIMING RELAYS**

ON or OFF DELAY RANGE: SEC/MIN SET: SEC/MIN

NORMALLY OPEN	NORMALLY CLOSED	DELAY ON COIL ENERGIZATION (ON DELAY)	DELAY ON COIL DE-ENERGIZATION (OFF DELAY)
TR3 (LINE)	TR3 (LINE)	OR TC TO	OR TC TO
TR3 (LINE)	TR3 (LINE)	TO TC	TO TC

**CONTACTORS**

OPERATING COILS: ID

MAIN CONTACTS: SIZE X

VACUUM CONTACTOR, NEMA SIZE OPTIONAL: M SIZE 3

C = CONTACTOR, LIGHTING OR GENERAL USE  
 F = FAST OR FORWARD  
 M = MAIN OR LINE  
 1M = FIRST MAIN OR WYE  
 2M = SECOND MAIN OR DELTA  
 R = RUN OR REVERSE  
 S = SLOW OR START  
 IC = ISOLATION CONTROL

**MISCELLANEOUS**

- FU 2B 15 AMP: FUSE WITH SIZE AND OPTIONAL IDENTIFICATION
- FU 3/15 AMP: FUSE WITH BLOWN FUSE INDICATOR
- 480V 250VA 120V: CONTROL TRANSFORMER PRIMARY AND SECONDARY SHOWN SIZE AS SHOWN OR AS SPECIFIED
- 50/5 (3): CURRENT TRANSFORMER, PRIMARY TURNS RATIO SHOWN (OPTIONAL)
- 250 OHM RES: RESISTOR
- RECTIFIER
- SURGE OR ARC SUPPRESSOR
- KVAR: CAPACITOR
- CONNECTOR
- XX: INCOMING LINE POWER SUPPLY
- DRAWOUT MECHANISM
- SOLENOID VALVE
- BUS DUCT
- GROUND CONNECTION
- POTENTIOMETER
- METER WITH ALPHA IDENTIFIERS: H = ELAPSED TIME, A = AMMETER, V = VOLTMETER
- BATTERY
- SHIELDED CABLE
- LOCATED IN FIELD
- AC TERMINAL BLOCK
- DC TERMINAL BLOCK
- PLC I/O POINTS: DO = DIGITAL OUT SIGNAL, DI = DIGITAL IN SIGNAL, AO = ANALOG OUT SIGNAL, AI = ANALOG IN SIGNAL

**TRIP FRAME**

52: POWER CIRCUIT BREAKER (AIR, OIL, OR GAS) FRAME AND TRIP SETTING AND OPTIONAL I.D. SHOWN

TRIP FRAME LSIG: CIRCUIT BREAKER WITH ADJUSTABLE ELECTRONIC TRIP OVER BREAKER FRAME SIZE. SOLID STATE TRIP FEATURES SHOWN: L = LONG DELAY, S = SHORT DELAY, I = INSTANTANEOUS, G = GROUND FAULT

SIZE TYPE: CIRCUIT BREAKER (TYPE: MCP = MOTOR CIRCUIT PROTECTOR OR 3P = 3-POLE THERMAL MAGNETIC TRIP)

30A 3P CLF: FUSED SWITCH: FUSE RATING AND POLES SHOWN. MODIFIERS: CLF = CURRENT LIMITING FUSE, DE = DUAL ELEMENT, F = CLASS F, E = E RATED

100F: FUSE, 100 AMP CLASS "F" SHOWN

ATS # 60A, 3P: POWER TRANSFER SWITCH, DESIGNATION, AMP RATING AND CONFIGURATION SHOWN. MTS = MANUAL TRANSFER SWITCH, ATS = AUTOMATIC TRANSFER SWITCH, SUSE = SUITABLE FOR USE AS SERVICE ENTRANCE

1: AIR BREAK CONTACTOR, FVNR U.O.N. NEMA SIZE 1 INDICATED. FVR = FULL VOLTAGE, REVERSING STARTER, 2S2W = TWO SPEED, TWO WINDING STARTER

METERING (ANSI/IEEE FUNCTIONS AS SPECIFIED): POWER MONITOR (PM), POWER QUALITY MONITOR (HARMONIC ANALYSIS) (PQM), MOTOR MONITOR AND PROTECTION RELAY (MPR), FEEDER PROTECTION RELAY (FPR)

5 KVA: PACKAGED EQUIPMENT OR NON-MOTOR LOAD. KVA, KW, AMPS AS NOTED.

XXHP ##AMPS: VARIABLE FREQUENCY DRIVE, (VFD) NORMAL DUTY UON. HP IS INDICATED IF DIFFERENT THAN DRIVEN LOAD HP. ##AMPS=RATED CONTINUOUS AMPS

RVSS: REDUCED VOLTAGE SOLID STATE STARTER

SPD: SURGE PROTECTION DEVICE

64 N 3: ANSI C37.2 DEVICE, QUANTITIES SHOWN.

600KW 480V 60 Hz 3ph, 4w: GENERATOR WITH WINDING CONFIGURATION VOLTAGE, POWER, FREQUENCY SHOWN. POWER FACTOR OPTIONAL

5: MOTOR, HORSEPOWER SHOWN

55 KVAR: POWER FACTOR CORRECTION CAPACITOR. KVAR RATING INDICATED

POTHEAD

STRESS CONE

INDICATES THAT ALL OR PART OF CONDUIT MAYBE ROUTED IN DUCT BANK OR UNDERGROUND

PORTABLE CABLE

CABLE BUS

BUS CONDUCTOR

CABLE CONDUCTOR

SURGE ARRESTOR

LIGHTNING ARRESTOR AND GROUND

TEST DEVICE

DISCONNECT OR ISOLATING SWITCH. 200 AMP SHOWN

480 V 30KVA 5% Z 208/120V: POWER TRANSFORMER. VOLTAGES, SIZE, IMPEDANCE SHOWN

1.5 KVA 480 V 2.5% Z 480 V: ISOLATION TRANSFORMER. VOLTAGES, SIZE, IMPEDANCE SHOWN

480V - 120V: POTENTIAL TRANSFORMER. PT QUANTITY (3) AND VOLTAGES SHOWN

250/5 3: CURRENT TRANSFORMER. CT QUANTITY AND 250:5 TURNS RATIO SHOWN

WINDING CONFIGURATIONS: DELTA, WYE (GROUNDED), KIRK KEY INTERLOCK

50 AMP/10 SEC GDR: NEUTRAL GROUNDING RESISTOR. AMPS/TIME RATING SHOWN

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**Appleton**

**CITY OF APPLETON  
NORTHLAND POND**

REVISIONS		
REV	DATE	DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE

DESIGNED: DRAWN: CHECKED: CHECKED: APPROVED:

FILENAME: E-002.DWG  
BC PROJECT NUMBER: 147622  
CLIENT PROJECT NUMBER: CLIENT PROJECT NUMBER

**ELECTRICAL  
LEGEND AND SYMBOLS - 2**

DRAWING NUMBER: **E-002**  
SHEET NUMBER: 34 OF 46

ABBREVIATIONS

NOTES:

1. ABBREVIATIONS SHOWN ON ELECTRICAL DRAWINGS ARE IN ACCORDANCE WITH ASME STANDARD Y14.38A
2. ABBREVIATIONS ON THIS SHEET ARE IN ADDITION TO THE ABBREVIATIONS DEFINED ON OTHER DRAWINGS.
3. ABBREVIATIONS HERE IN SHALL TAKE PRECEDENCE IN CASE OF CONFLICT.
4. ABBREVIATIONS ARE NOT EQUIPMENT NUMBERING PREFIXES LISTED ON OTHER DRAWINGS.

A, AMP	AMP(S), AMPERE(S)	HPS	HIGH PRESSURE SODIUM	OIS	OPERATOR INTERFACE STATION
AC	ALTERNATING CURRENT	HTR	HEATER	OT	OIL TIGHT
AFF	ABOVE FINISHED FLOOR	HV	HIGH VOLTAGE	OVS	OPERATOR WORKSTATION
AHAP	AS HIGH AS POSSIBLE	HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	P	POLE, PHASE
AIC	AMPS INTERRUPTING CAPACITY, SYMM.	HZ	HERTZ (CYCLES PER SECOND)	PBD	PANEL BOARD
AL	ALUMINUM	ICOM	INTERCOM	PB	PUSHBUTTON, PULLBOX
ARCH	ARCHITECT(URAL)	ID	INSIDE DIAMETER	PCP	PROCESS CONTROL PANEL
ASYM	ASYMMETRICAL	IMC	INTERMEDIATE METAL CONDUIT	PF	POWER FACTOR
ATS	AUTOMATIC TRANSFER SWITCH	INCAND	INCANDESCENT	PH	PHASE
AUTO	AUTOMATIC	INTLK	INTERLOCK	PLC	PROGRAMMABLE LOGIC CONTROLLER
AUX	AUXILIARY	INST	INSTANTANEOUS	PMM	POWER METERING MODULE
AWG	AMERICAN WIRE GAUGE	I/O	INPUT-OUTPUT	PNL	PANEL
BC	BARE COPPER	IPB	INSTRUMENT PULLBOX	PP	POWER PANEL
BLDG	BUILDING	JB	JUNCTION BOX	PR	PAIR
BOT	BOTTOM	KCMIL	1000 CIRCULAR MIL	PRI	PRIMARY
C	CONDUCTOR, CONDUIT	KV	KILOVOLT	PT	POTENTIAL TRANSFORMER
CB	CIRCUIT BREAKER	KVA	KILOVOLT-AMPERE	PVC	POLYVINYL CHLORIDE
CKT	CIRCUIT	KVAR	KILOVOLT-AMPERE REACTIVE	PWR	POWER
CLG	CEILING	KW	KILOWATT	QSB	QUARTZ STANDBY
CM	CENTIMETERS	KWH	KILOWATT-HOUR	RCPT	RECEPTACLE
CND	CONDUIT	L	LONG	REF	REFERENCE
CNTL	CONTROL	LC	LIGHTING CONTACTOR	REQD	REQUIRED
C.O.	CONDUIT ONLY, SPARE	LCP	LOCAL CONTROL PANEL	RE STL	REINFORCING STEEL
CONC	CONCRETE	LCS	LOCAL CONTROL STATION	RMS	ROOT MEAN SQUARE
CPT	CONTROL POWER TRANSFORMER	LED	LIGHT EMITTING DIODE	RTD	RESISTANCE TEMPERATURE DETECTOR
CT	CURRENT TRANSFORMER	LHH	LOW VOLTAGE HANDHOLE	RTU	REMOTE TERMINAL UNIT
CU	COPPER	LMH	LOW VOLTAGE MANHOLE	RVSS	REDUCED VOLTAGE SOLID STATE STARTER
DB	DUCT BANK, DIRECT BURIAL	LP	LIGHTING PANEL	SA	SURGE ARRESTOR
DC	DIRECT CURRENT, DATA CABLE	LT	LONG TIME LIGHTING	SCR	SILICON CONTROLLED RECTIFIER
DCU	DISTRIBUTED CONTROL UNIT	LV	LOW VOLTAGE	SD	SMOKE DETECTOR
DET	DETAIL	M	METER	SEC	SECONDARY
DIAG	DIAGRAM	MA	MILLIAMPERE	SEL	SELECTOR
DISC	DISCONNECT	MBS	MANUAL BYPASS SWITCH	SHH	SIGNAL HANDHOLE
DWG	DRAWING	MCC	MOTOR CONTROL CENTER	SMH	SIGNAL MANHOLE
EA	EACH	MCP	MOTOR CIRCUIT PROTECTOR	SPEC	SPECIFICATION
EC	EMPTY CONDUIT	MPC	MINI POWER CENTER	SPD	SURGE PROTECTION DEVICE
ECP	EQUIPMENT CONTROL PANEL	MECH	MECHANICAL	SPKR	SPEAKER
EDB	ELECTRICAL DUCTBANK	MFR	MANUFACTURE(R)	ST	SHORT TIME
EG	ENGINE GENERATOR SET	MH	MANHOLE, METAL HALIDE	STP	SHIELDED TWISTED PAIR
EL	ELEVATION	MIC	MICROPHONE	SUB	SUBSTATION
ELEC	ELECTRIC(AL)	MIS	MANAGEMENT	SW	SWITCH
EMH	ELECTRICAL MANHOLE	MISC	MISCELLANEOUS	SWBD	SWITCHBOARD
EMER	EMERGENCY	MM	MILLIMETER	SWGR	SWITCHGEAR
ENCL	ENCLOSURE/ENCLOSED	MMH	MEDIUM VOLTAGE MANHOLE	SYMM	SYMMETRICAL
EPB	ELECTRICAL PULLBOX	MOV	MOTOR OPERATED VALVES	SYS	SYSTEM
ETM	ELAPSED TIME METER	MTS	MANUAL TRANSFER SWITCH	TB	TERMINAL BOX
EP	EXPLOSION PROOF EQUIPMENT	MV	MILLIVOLT, MEDIUM VOLTAGE	TEL	TELEPHONE
EQUIP	EQUIPMENT	MVMC	MEDIUM VOLTAGE MOTOR CONTROL	TEMP	TEMPERATURE
EX	EXISTING	N/A	NOT APPLICABLE	TFR	TRANSFORMER
FDR	FEEDER	N.C.	NORMALLY CLOSED	TRI	TRIAD
FL	FLUORESCENT	NEUT,N	NEUTRAL	TV	TELEVISION
FLA	FULL LOAD AMPS	NF	NON-FUSED	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
FLEX	FLEXIBLE CONDUIT	NIC	NOT IN CONTRACT	TYP	TYPICAL
F.O.	FAIL OPEN	N.O.	NORMALLY OPEN	U/G	UNDERGROUND
FO	FIBER OPTIC	NO.	NUMBER	UON	UNLESS OTHERWISE NOTED
FUT	FUTURE	NP	NAMEPLATE	UPS	UNINTERRUPTABLE POWER SUPPLY
GDR	GROUNDING RESISTOR	NOM	NOMINAL	V	VOLT
GEC	GROUND ELECTRODE CONDUCTOR	NP	NAMEPLATE	VA	VOLTAMPERE
GF	GROUND FAULT	NTS	NOT TO SCALE	VAR	VOLTAMPERE REACTIVE
GFI	GROUND FAULT INTERRUPTER	OC	ON CENTER	VC	VACUUM CONTACTOR
GND, G	GROUND	OCC	OPERATION CONTROL CENTER	VCP	VENDOR CONTROL PANEL
GRS	GALVANIZED RIGID STEEL	OD	OUTSIDE DIAMETER	VND	VENDOR
H	HIGH	OH	OVERHEAD	W	WATT, WIRE, WIDE
HGT	HEIGHT			W/	WITH
HH	HANDHOLE			W/O	WITHOUT
HID	HIGH INTENSITY DISCHARGE			VVV	WIREWAY
HMI	HUMAN MACHINE INTERFACE			WG	WITH GROUND
HP	HORSEPOWER			WP	WEATHERPROOF
				XFMR	TRANSFORMER
				XMTR	TRANSMITTER
				XP	EXPLOSION PROOF
				Z	IMPEDANCE

GENERAL NOTES:

NTS; INCLUDE SPECIFIC CONTRACT/PROJECT NOTES HERE.

1. THE ELECTRICAL DRAWINGS USE THE ONE LINE DIAGRAMS AND RISER DIAGRAMS AND PANEL SCHEDULES IN CONJUNCTION WITH SHOWING THE LOCATION OF THE ELECTRICAL/INSTRUMENTATION SOURCES AND LOADS/DEVICES SHOWN ON THE PLAN DRAWINGS TO DEPICT THE WORK. THE CONTRACTOR SHALL USE THESE DOCUMENTS TO DETERMINE AND PROVIDE THE NECESSARY RACEWAY AND WIRING SYSTEM FOR EACH CIRCUIT. ALL INDOOR RACEWAY SHALL BE RUN (IMBEDDED, EXPOSED) AND ROUTED BY THE CONTRACTOR, UNLESS OTHERWISE NOTED. THE TYPE OF RACEWAY AND WIRE USED SHALL BE AS SPECIFIED.
2. IF EQUIPMENT SUPPLIED BY MANUFACTURER HAS A LARGER LOAD THAN INDICTED ON THE SINGLE LINE DIAGRAM, THE CONSTRUCTION MANAGER SHALL BE NOTIFIED. THE CABLE, CONDUIT AND ELECTRICAL EQUIPMENT SHALL BE SIZED AS REQUIRED, TO ACCOMMODATE THE HIGHER VALUE.
3. IN AREAS WHERE THERE ARE OVERHEAD BRIDGE CRANES, HOISTS, ETS., OR WHERE EQUIPMENT IS LIFTED AND MOVED FOR MAINTENANCE OR REPLACEMENT, NO CONDUITS SHALL BE RUN OVERHEAD THAT WILL INTERFERE WITH THE OPERATION OF THE EQUIPMENT OR ACCESS TO EQUIPMENT.
4. THE LOCATION OF THE CONTROL STATIONS SHOWN ON THE PLAN DRAWINGS ARE DIAGRAMMATIC ONLY. THE ACUTAL LOCATION SHALL BE COORDINATED IN THE FIELD WITH THE CONSTRUCTION MANAGER AND ADJACENT EQUIPMENT SUCH AS PIPING, PROCESS EQUIPMENT, ETC.
5. THE CONTRACTOR SHALL COORDINATE WITH THE STRUCTURAL AND MECHANICAL DRAWINGS FOR CONDUIT STUB UP AND TERMINATION LOCATIONS.

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FILENAME  
E-003.DWG  
BC PROJECT NUMBER  
147822  
CLIENT PROJECT NUMBER  
CLIENT PROJECT NUMBER

**ELECTRICAL**  
**LEGEND AND SYMBOLS - 3**

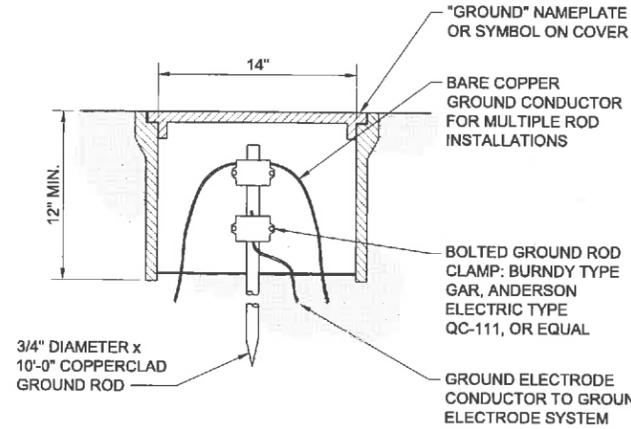
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**E-003**

SHEET NUMBER  
35 OF 46

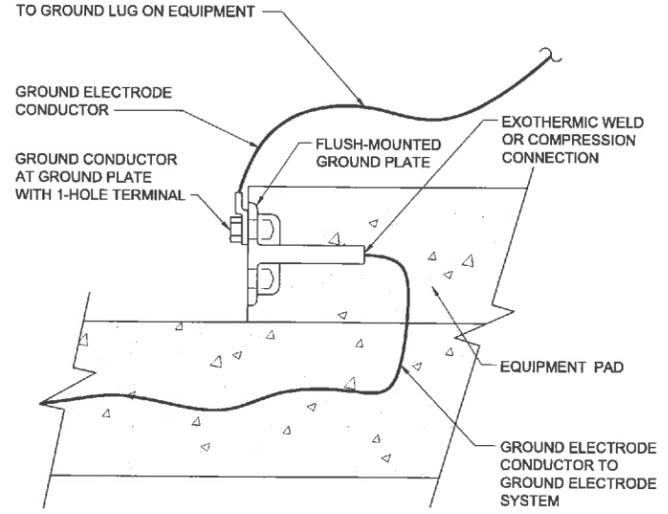
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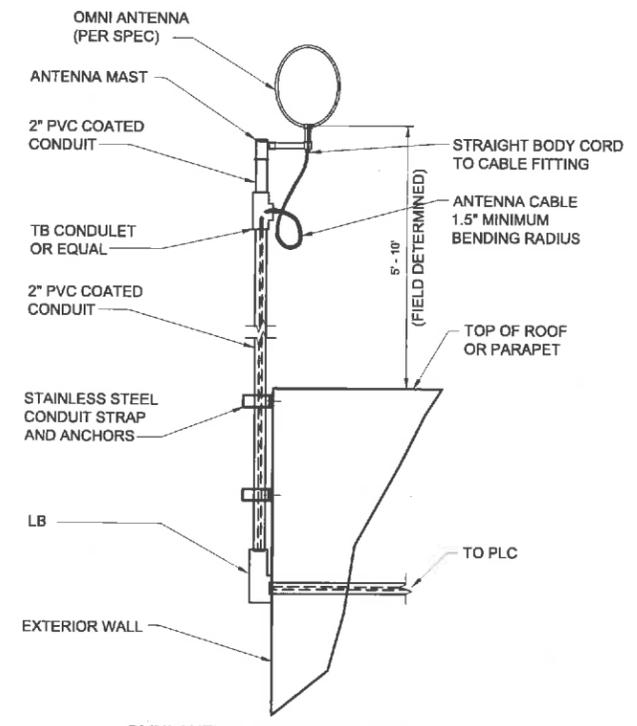
- NOTES:
- TEST WELL OF CONCRETE, PVC, OR FRP MATERIAL.
  - H-20 LOAD RATED COVER FOR TEST WELL IN TRAFFIC AREA.

GROUND ELECTRODE TEST WELL  
 DETAIL A  
 NO SCALE

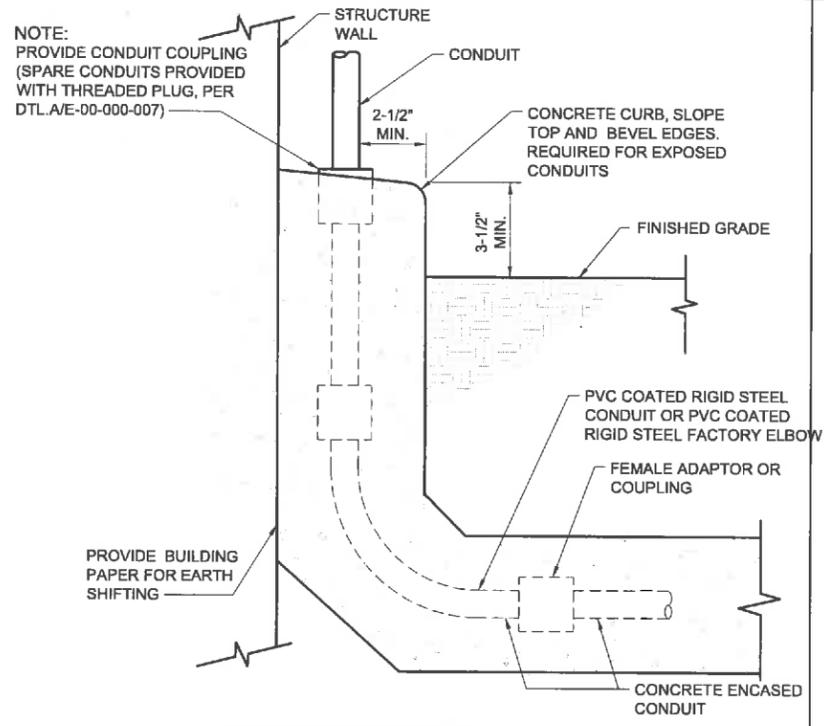


- NOTE:
- REQUIRED AT ELECTRICAL EQUIPMENT PADS.

EQUIPMENT GROUNDING  
 GROUND PLATE IN SLAB  
 DETAIL B  
 NO SCALE



OMNI ANTENNA MOUNTING DETAIL  
 DETAIL C  
 TYP  
 SCALE: NONE



UNDERGROUND DUCTBANKS  
 CURB AT WALL / STRUCTURE

DETAIL D  
 NO SCALE

- NOTES:
- WHEN REQUIRED, PROVIDE 12" OF LIQUID TIGHT FLEXIBLE CONDUIT FOR CONNECTION TO EQUIPMENT RIGIDLY ATTACHED TO STRUCTURE TO PROVIDE 1" DIFFERENTIAL MOVEMENT IN ALL DIRECTIONS.



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CITY OF APPLETON  
 NORTHLAND POND

REVISIONS		
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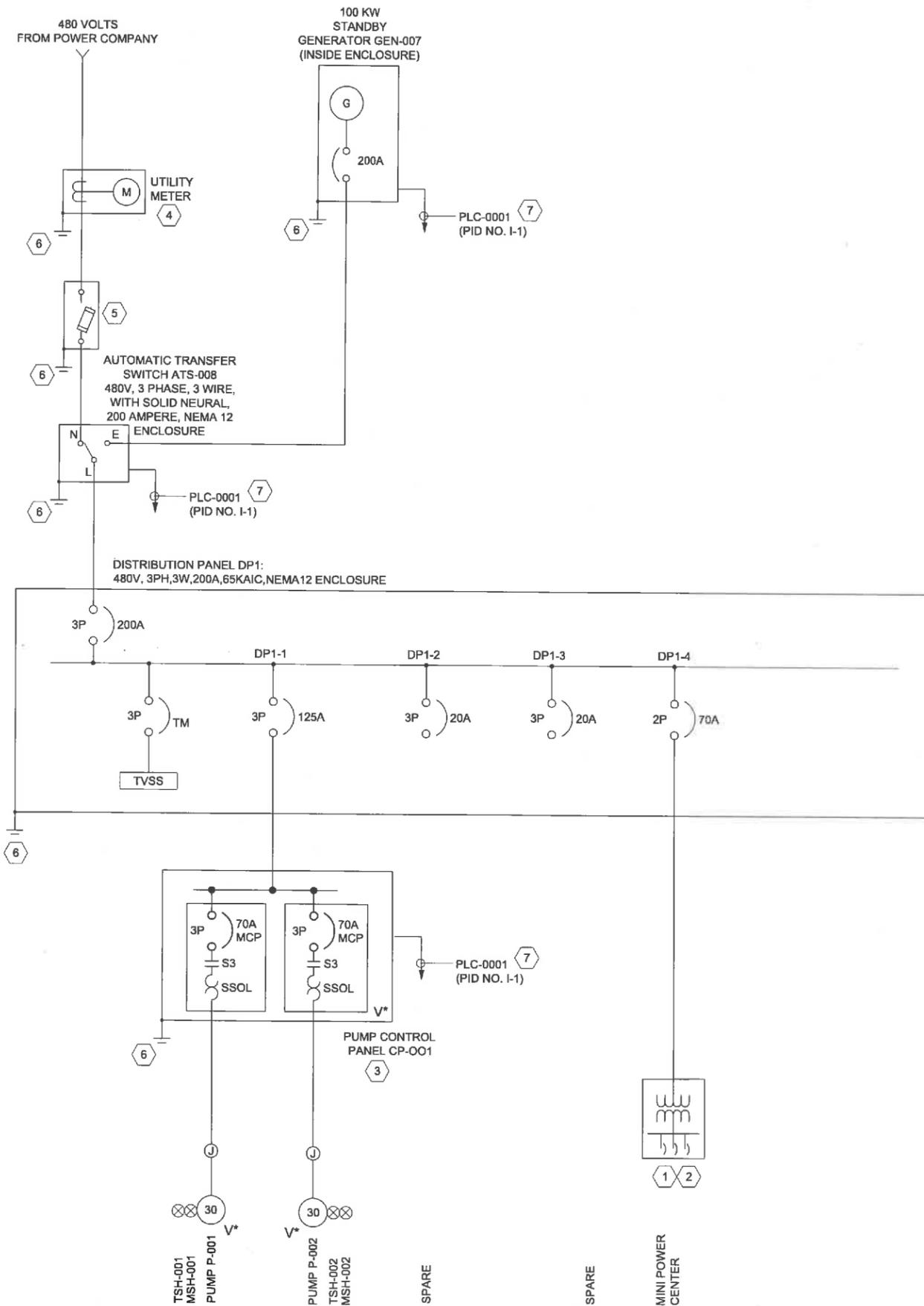
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FILENAME  
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 BC PROJECT NUMBER  
 147622  
 CLIENT PROJECT NUMBER  
 CLIENT PROJECT NUMBER

ELECTRICAL  
 STANDARD AND  
 MISCELLANEOUS  
 DETAILS

DRAWING NUMBER  
 E-004  
 SHEET NUMBER  
 36 OF 46

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**GENERAL NOTES:**

1. SEE DWG E-101 FOR PROPOSED LOCATION OF STANDBY GENERATOR ENCLOSURE WITH 100KW GENERATOR.
2. SEE DWG E-101 FOR PROPOSED LOCATION OF ELECTRICAL ENCLOSURE WITH ELECTRICAL POWER DISTRIBUTION EQUIPMENT, PLC AND PROCESS EQUIPMENT CONTROL PANELS.
- 3.

**KEY NOTES:**

1. MINI-POWER CENTER: 25-KVA, SINGLE PHASE, 480-120/240 VOLT, WITH PRIMARY AND SECONDARY CIRCUIT BREAKERS, TWELVE (12) 20A/1P BRANCH CIRCUIT BREAKERS, AND NEMA 1 ENCLOSURE.
2. MINI-POWER CENTER SHALL SUPPLY 120 VAC LOADS TO INCLUDE LIGHTS, RECEPTACLES, CONTROL DEVICES, HVAC, GENERATOR ACCESSORIES, AND MIXER. SEE DWG E-011 ONE LINE DIAGRAM WITH CIRCUIT INFORMATION AND WORK REQUIRED.
3. CONTROL PANEL SHALL BE FURNISHED BY THE PUMP VENDOR IN ACCORDANCE WITH SECTION XXXX.
4. PROVIDE METER BASE AND SOCKET IN ACCORDANCE WITH POWER COMPANY REQUIREMENTS.
5. DISCONNECT SWITCH: HEAVY DUTY TYPE, FUSIBLE, 600 VOLT, 3 PHASE, WITH NEMA 12 ENCLOSURE AND SERVICE ENTRANCE LABEL. PROVIDE WITH 200 AMPERE FUSES.
6. EXTEND A #4/0 CU GROUND TO GROUND GRID SYSTEM SHOWN ON DWG E-101 AND BOND PER NEC 250.
7. SEE PLC-0001 CONTROL ONE LINE DIAGRAM FOR CIRCUIT INFORMATION.

**LEGEND:**

- V\* = VENDOR PACKAGE
- C\* = CONTRACTOR



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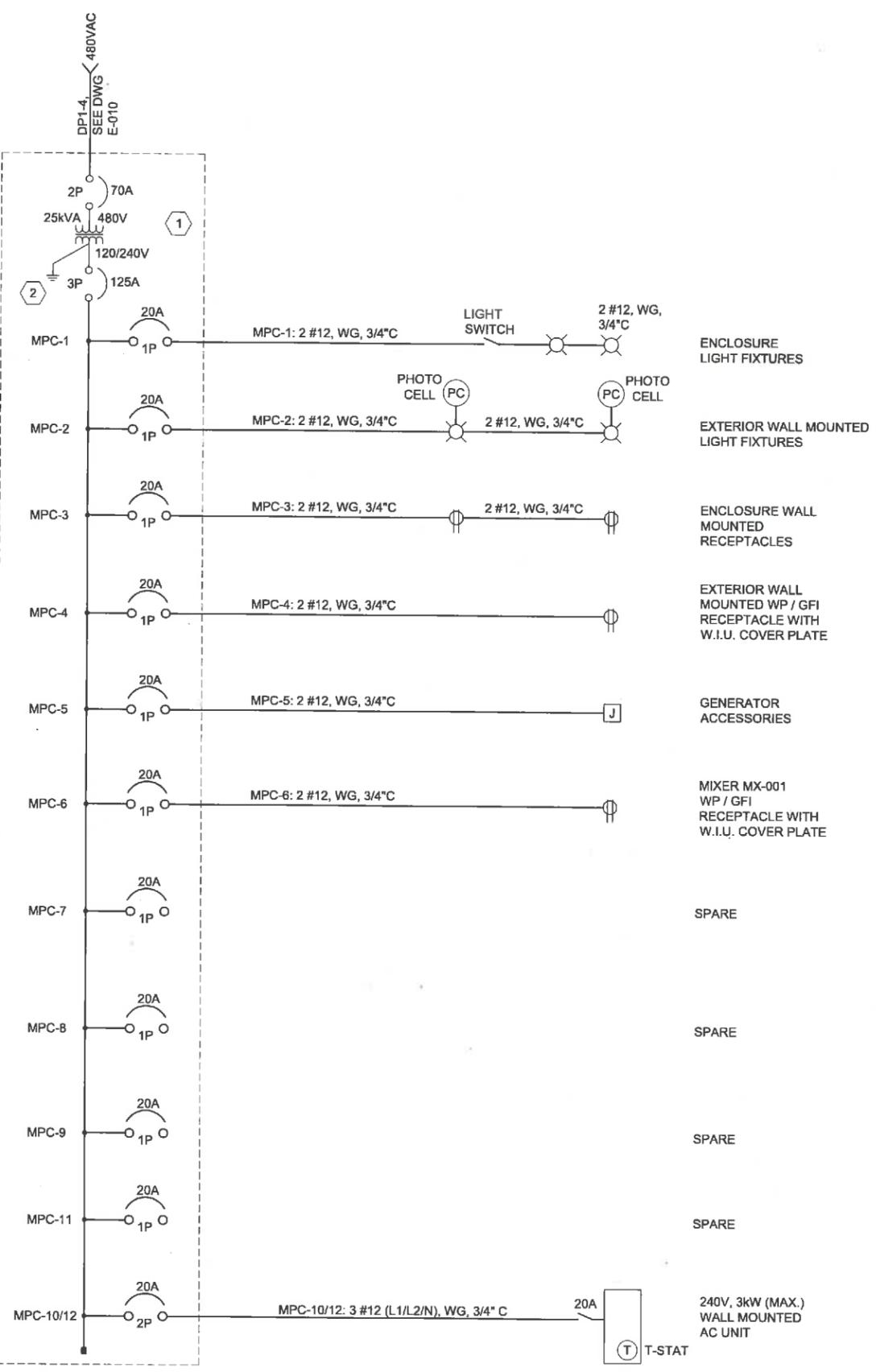
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FILENAME  
 E-010.DWG  
 BC PROJECT NUMBER  
 147822  
 CLIENT PROJECT NUMBER  
 CLIENT PROJECT NUMBER

**ELECTRICAL**  
**PUMP STATION**  
**POWER ONE LINE**  
**DIAGRAM**

DRAWING NUMBER  
**E-010**  
 SHEET NUMBER  
 37 OF 46



**GENERAL NOTES:**

1. FIELD ROUTE CONDUIT RACEWAYS WITH CIRCUITS. FIELD DETERMINE EXACT ROUTING AND ELEVATIONS.
2. SEE DWG E-101 FOR PROPOSED LOCATION OF ELECTRICAL ENCLOSURE WITH ELECTRICAL EQUIPMENT.
- 3.

**KEY NOTES:**

- 1 MINI-POWER CENTER: SQUARE D # MPZ25S40FSS MINI-POWER CENTER OR EQUAL.
- 2 EXTEND A #2/0 CU GROUNDING CONDUCTOR AND BOND TO GROUND GRID SYSTEM SHOWN ON DWG E-101. INSTALL PER NEC 250.



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REVISIONS		
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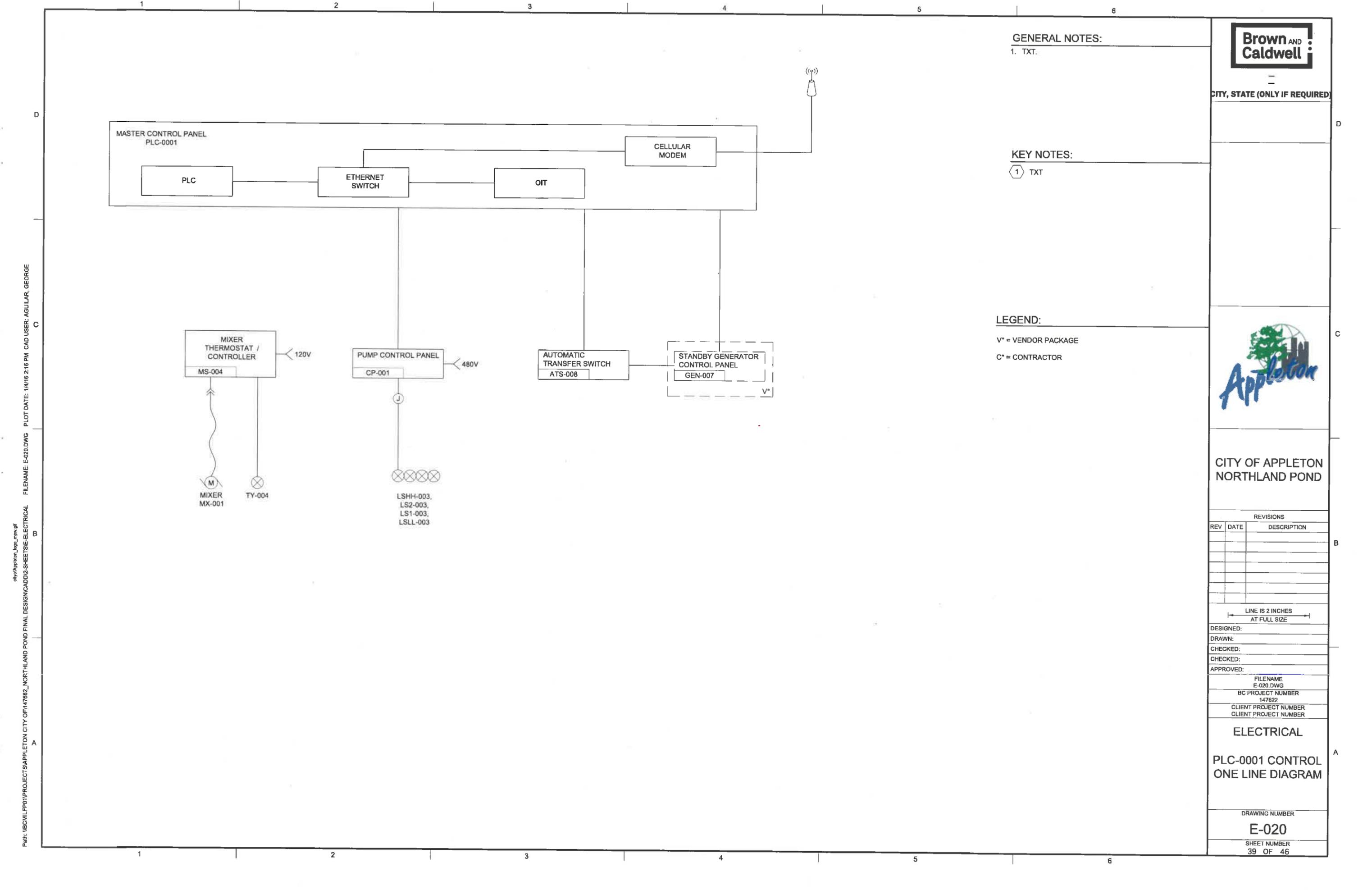
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BC PROJECT NUMBER  
147622  
CLIENT PROJECT NUMBER  
CLIENT PROJECT NUMBER

**ELECTRICAL**

MISCELLANEOUS  
ONE LINE DIAGRAM  
AND DETAILS

DRAWING NUMBER  
**E-011**  
SHEET NUMBER  
38 OF 46

Path: \\BOMILLFP01\PROJECTS\APPLETON CITY OF\147662\_NORTHLAND POND\_FINAL DESIGN\CADD\2-SHEETS\ELECTRICAL FILENAME: E-011.DWG PLOT DATE: 12/28/15 6:23 PM CAD USER: AGUILAR, GEORGE



**GENERAL NOTES:**

1. TXT.

**KEY NOTES:**

① TXT

**LEGEND:**

V\* = VENDOR PACKAGE

C\* = CONTRACTOR



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CITY OF APPLETON  
NORTHLAND POND

REVISIONS		
REV	DATE	DESCRIPTION

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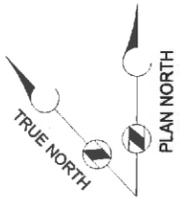
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E-020.DWG  
BC PROJECT NUMBER  
147622  
CLIENT PROJECT NUMBER  
CLIENT PROJECT NUMBER

**ELECTRICAL**  
  
**PLC-0001 CONTROL  
ONE LINE DIAGRAM**

DRAWING NUMBER  
**E-020**  
SHEET NUMBER  
39 OF 46

Path: \\BCMILFP01\PROJECTS\APPLETON CITY OF 147622\_NORTHLAND POND FINAL DESIGN\CADD\2-SHEETS\ELECTRICAL FILENAME: E-020.DWG PLOT DATE: 1/4/16 2:16 PM CAD USER: AGUILAR, GEORGE



**GENERAL NOTES:**

1. SEE DWG E-010 PUMP STATION POWER ONE LINE DIAGRAM FOR ELECTRICAL WORK REQUIRED.
2. SEE PUMP STATION PID DWG #-1.

**KEY NOTES:**

- ① ELECTRICAL GENERATOR PAD, SEE DETAIL B / S-003 FOR PAD, COORDINATE SIZE, HEIGHT, AND LOCATION WITH GENSET SUPPLIED.
- ② ELECTRICAL ENCLOSURE PAD, SEE DETAIL B / S-003 FOR PAD, COORDINATE SIZE, HEIGHT, AND LOCATION WITH PUMP STATION STRUCTURE AND ELECTRICAL ENCLOSURE SUPPLIED.
- ③ SEE DWG E-102 FOR WORK REQUIRED AT MIXER AND PUMP LEVEL.
- ④ STATION ANTENNA, SEE DWG E-004 FOR DETAIL AND DWG E-020 FOR PLC CONTROL ONE LINE DIAGRAM DETAILS



CITY OF APPLETON NORTHLAND POND



CITY OF APPLETON  
NORTHLAND POND

REVISIONS		
REV	DATE	DESCRIPTION

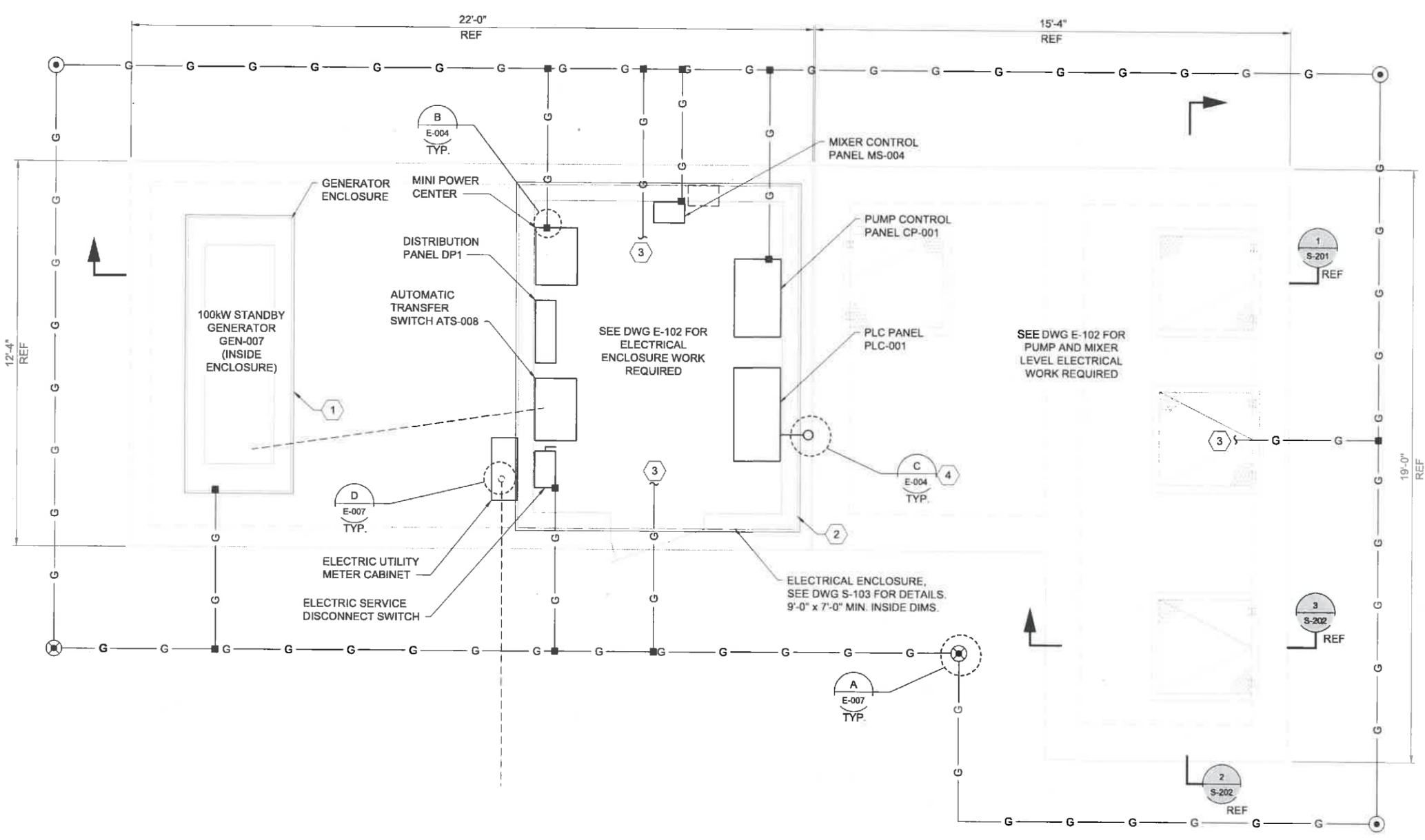
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 APPROVED: \_\_\_\_\_

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 BC PROJECT NUMBER: 147662  
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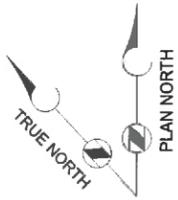
**ELECTRICAL**  
**PUMP STATION - TOP PLAN**

DRAWING NUMBER: **E-101**  
 SHEET NUMBER: 40 OF 46

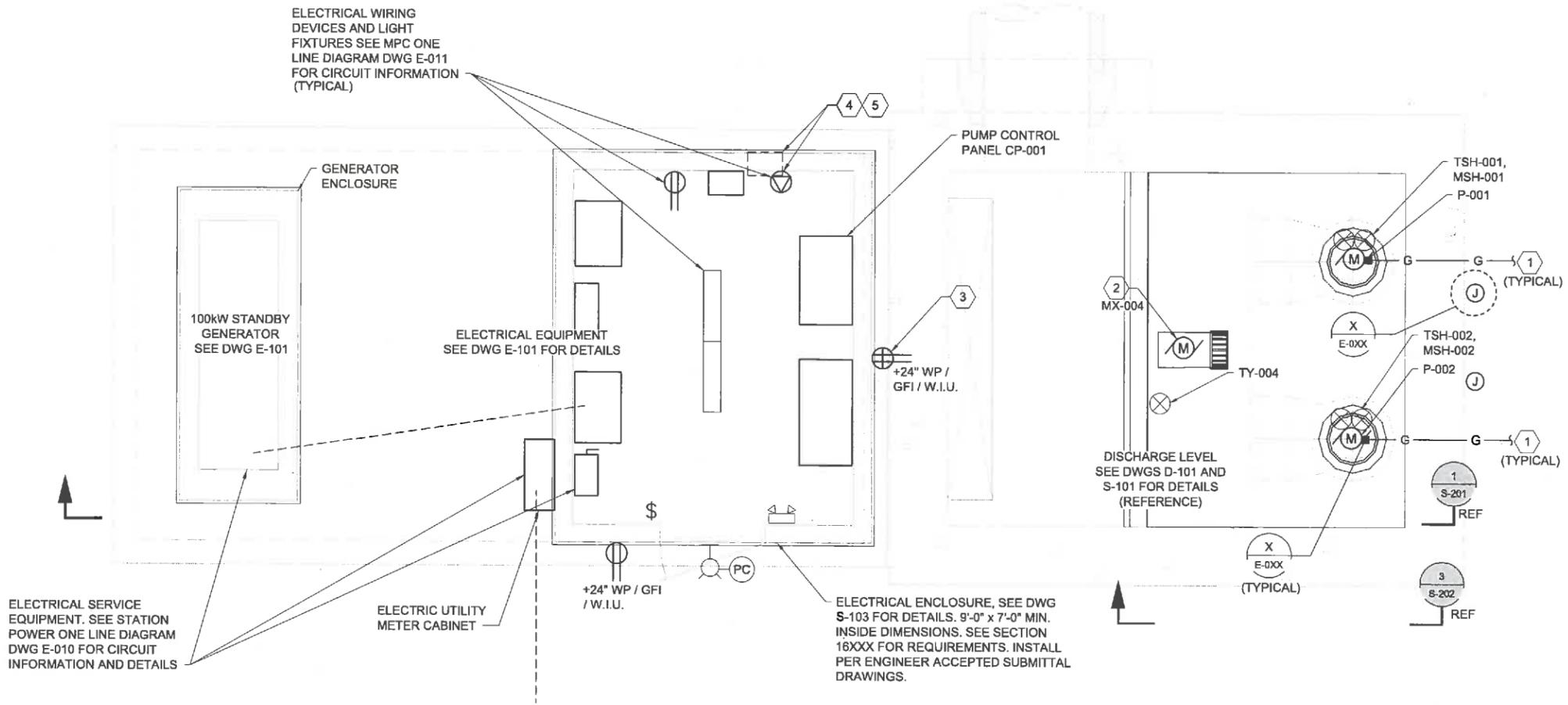


NORTHLAND PUMP STATION  
 TOP PLAN AT EL 795.00  
 SCALE: 1/2" = 1'-0"  
 0 2 4  
 SCALE: 1/2" = 1'-0"

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- GENERAL NOTES:**
1. ELECTRICAL EQUIPMENT AND INSTRUMENTATION SHOWN IS APPROXIMATE, BEFORE WORK BEGINS FIELD VERIFY LOCATIONS, AND MAKE ADJUSTMENTS REQUIRED TO ELECTRICAL WIRING.
  2. SEE PROCESS MECHANICAL EQUIPMENT DWGS AND STRUCTURAL DWGS FOR PROPOSED LOCATION OF PROCESS EQUIPMENT AND STRUCTURES.
  3. SEE PID DWG I-1 FOR DETAILS.

- KEY NOTES:**
- 1 #4/0 GROUND EXTENDS TO GROUND GRID SYSTEM. SEE DWG E-101 FOR GROUND GRID SYSTEM AND WORK REQUIRED.
  - 2 MIXER LOCATED INSIDE INTERMEDIATE PLAN LEVEL, SEE DWG D-101.
  - 3 20A, 120VAC, TWIST LOCK RECEPTACLE WITH MATCHING MIXER PLUG. PROVIDE REQUIRED PLUG, RECEPTACLE, WIRING AND APPEARANCES FOR MIXER EQUIPMENT SUPPLIED. BEFORE ROUGH-IN PHASE BEGIN, COORDINATE ALL REQUIREMENTS FOR A COMPLETE INSTALLATION.
  - 4 WALL MOUNTED AC UNIT. FIELD DETERMINE EXACT LOCATION BEFORE WORK BEGINS.
  - 5 20A, 240VAC, RECEPTACLE FOR VENDOR PROVIDED WALL MOUNTED AC UNIT. PROVIDE MATCHING PLUG, COORDINATE ALL WORK REQUIRED AND PROVIDE INSTALLATION.

POWER AND CONTROL  
DISCHARGE LEVEL AND TOP PLAN  
SCALE: 1/2" = 1'-0"  
0 2 4  
SCALE: 1/2" = 1'-0"



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REVISIONS		
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FILENAME: E-102.DWG  
BC PROJECT NUMBER: 147662  
CLIENT PROJECT NUMBER: CLIENT PROJECT NUMBER

**ELECTRICAL**  
**PUMP STATION - TOP PLAN**

DRAWING NUMBER  
**E-102**  
SHEET NUMBER  
41 OF 46



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REVISIONS		
REV	DATE	DESCRIPTION

LINE IS 2 INCHES  
AT FULL SIZE

DESIGNED:  
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FILENAME  
I-001.DWG  
BC PROJECT NUMBER  
147622  
CLIENT PROJECT NUMBER  
CLIENT PROJECT NUMBER

**INSTRUMENTATION**

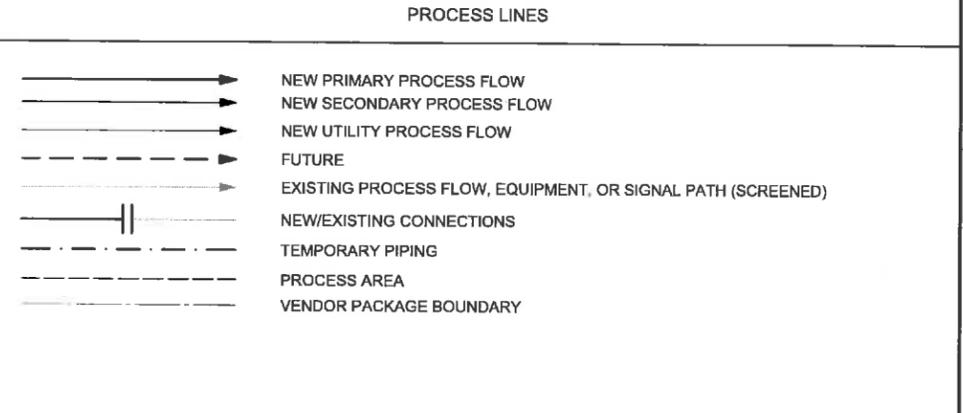
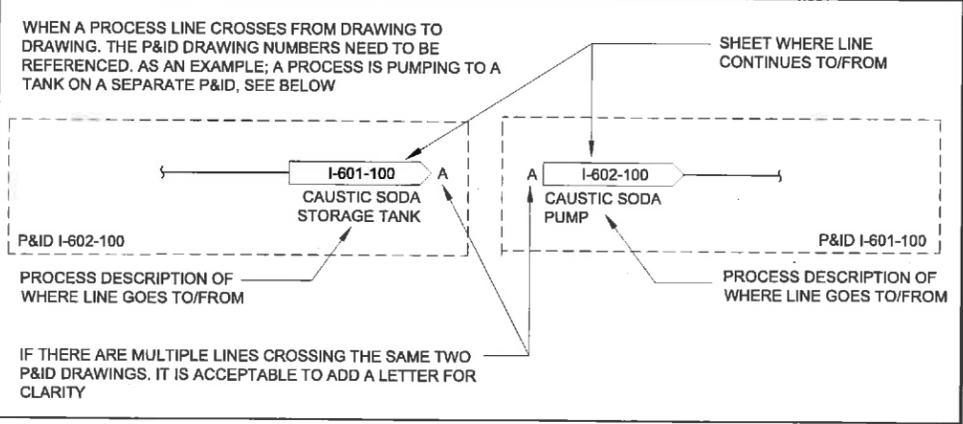
**LEGEND AND SYMBOLS - 1**

DRAWING NUMBER

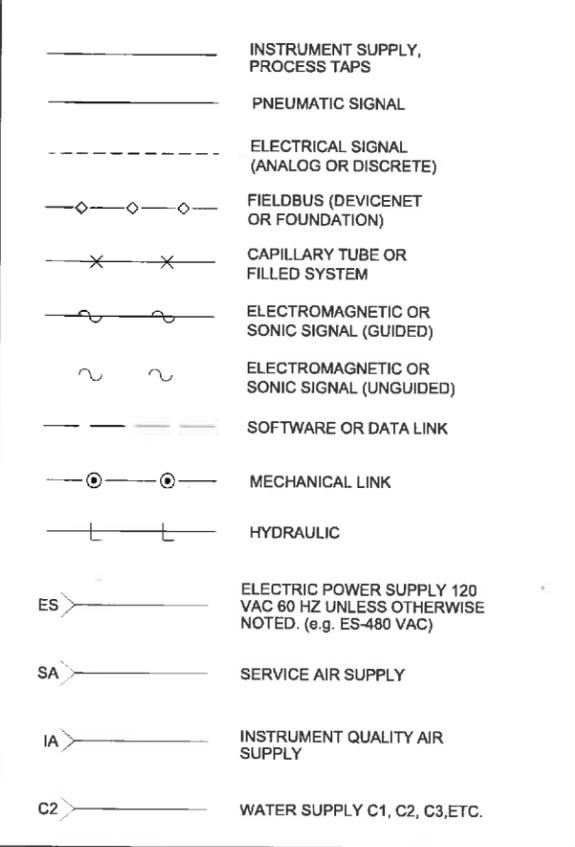
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SHEET NUMBER  
42 OF 46

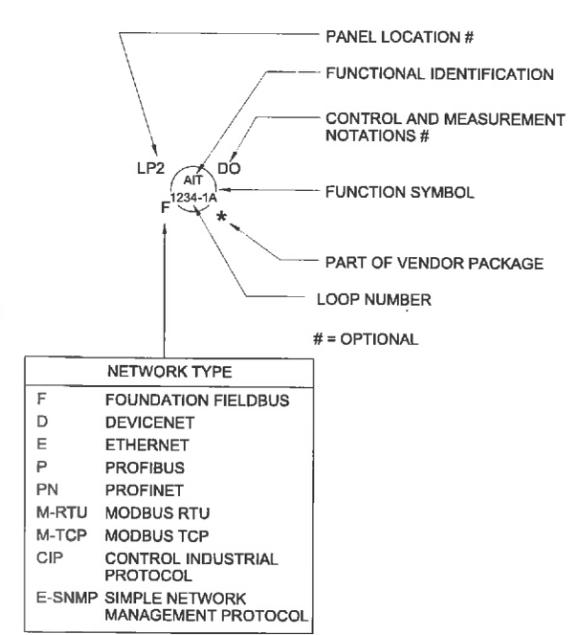
**PROCESS AND SIGNAL CROSS REFERENCE SYSTEM**



**INSTRUMENT SIGNAL LINES**



**TYPICAL INSTRUMENT IDENTIFICATION**



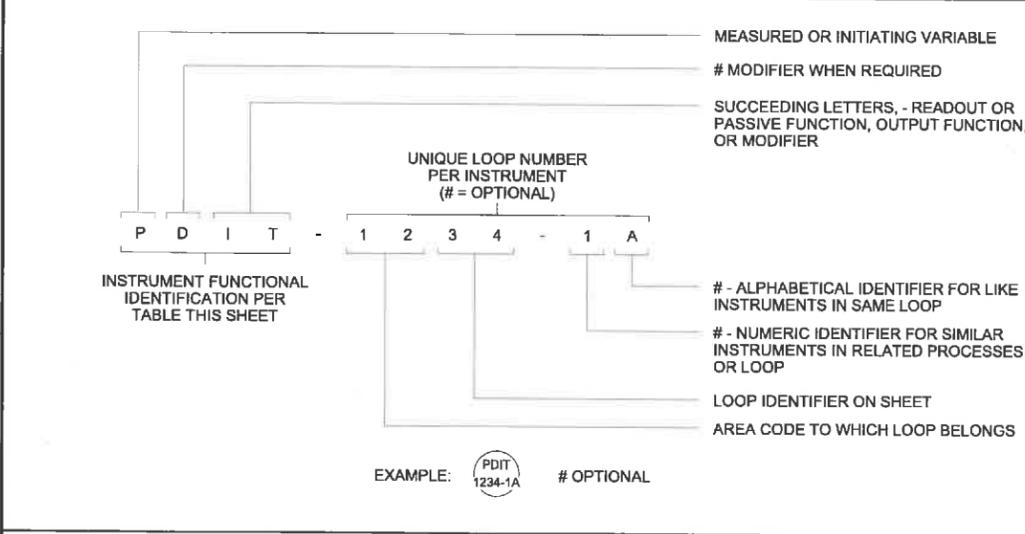
**CONTROL AND MEASUREMENT NOTATIONS**

ACK	ACKNOWLEDGE	OCA	OPEN/CLOSE/AUTO
AM	AUTO/MAN	OCF	PURGE VALVE OP/CL/PC
BYP	BYPASS	OL	OVERLOAD
CL	CLOSE	OP	OPEN
CL2	CHLORINE	OSC/LP	OPEN/STOP/CLOSE WITH LOCAL/REMOTE SELECT
CMAT	COMPUTER/MANUAL/AUTO/TRACKING	PA	PAUSE
COMB	COMBUSTIBLE GAS	PAL	LOW PRESSURE
CP	CONTROL POWER	PB	PUSH BUTTON
COND	CONDUCTIVITY	pH	pH
DEC	DECREASE	POT	POTENTIOMETER
DO	DISSOLVED OXYGEN	RDY	READY
ESP	EMERGENCY STOP	REV	REVERSE
FWD	FORWARD	RNG	RUNNING
F/R	FORWARD/REVERSE	ROF	REVERSE/OFF/FORWARD
F/S	FAST/SLOW	RST	RESET
HLOA	HIGH/LOW/OFF/AUTO	SO2	SULFUR DIOXIDE
HOA	HAND/OFF/AUTO	SP	STOP
HOAL	HAND/OFF/AUTO/LOCAL	ST	START
HOR	HAND/OFF/REMOTE	TCP	TEST/CLOSE/PC
INC	INCREASE	T/S	TEST/NORMAL/SILENCE
JOA	JOG/OFF/AUTO	TBL	TROUBLE
LL	LEAD/LAG		
LOR	LOCAL/OFF/REMOTE		
LOS	LOCKOUT STOP		
L/R	LOCAL/REMOTE		
M/A LS	MAN/AUTO LOADING STATION		

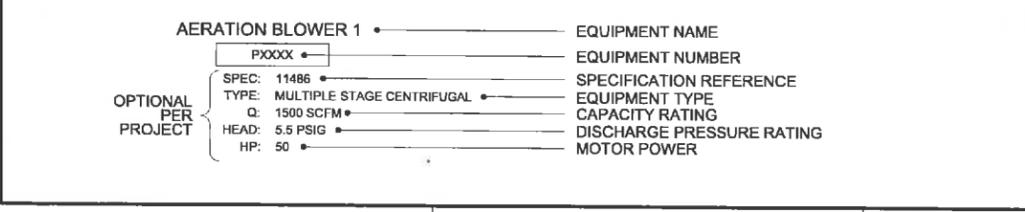
**FUNCTIONAL IDENTIFICATION**

VARIABLE	MEASURED OR INITIATING VARIABLE DESCRIPTION	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A	ANALYSIS		ALARM		
B	BURNER, COMBUSTION				
C	CONDUCTIVITY			CONTROL	CLOSE
D	DENSITY, SPECIFIC GRAVITY	DIFFERENTIAL			DEVIATION
E	VOLTAGE, SOLENOID		PRIMARY ELEMENT		
F	FLOW, FLOW RATE	RATIO			
G	FIRE, SMOKE		GLASS		
H	HAND				HIGH
I	CURRENT		INDICATE		
J	POWER		SCAN		
K	TIME, SCHEDULE	TIME RATE OF CHANGE		CONTROL STATION	
L	LEVEL		LIGHT		LOW
M	MOISTURE, HUMIDITY, MOTION	MOMENTARY			MIDDLE, INTERMEDIATE
N	EQUIPMENT STATUS				
O	DISSOLVED OXYGEN		ORIFICE		OPEN
P	PRESSURE, VACUUM		POINT (TEST) CONNECTION		
Q	QUANTITY	INTEGRATE, TOTALIZE			
R	RADIATION		RECORD		RUN
S	SPEED, FREQUENCY	SAFETY		SWITCH	STOP
T	TEMPERATURE			TRANSMIT	
U	MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION
V	VIBRATION, MECHANICAL ANALYSIS			VALVE, DAMPER, LOUVER	
W	WEIGHT, FORCE, TORQUE		WELL, PROBE		
X	UNCLASSIFIED	X AXIS			
Y	EVENT, STATE OR PRESENCE	Y AXIS		AUXILIARY DEVICES	
Z	POSITION, DIMENSION	Z AXIS		DRIVER, ACTUATOR, FINAL CONTROL ELEMENT	

**INSTRUMENT TAG AND LOOP IDENTIFICATION**



**EQUIPMENT IDENTIFICATION SYSTEM**



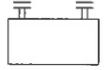
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 chyd@brownandcaldwell.com

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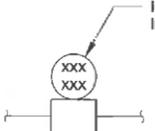
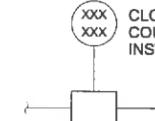
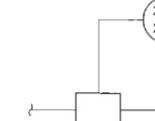
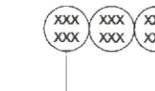
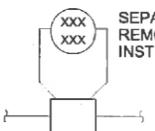
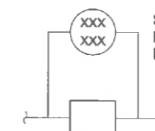
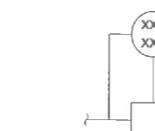
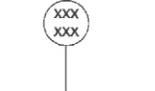
1 MISCELLANEOUS SYMBOLS	
	MCC (MOTOR CONTROL/STARTER)
	PURGE OR FLUSHING DEVICE
	RESET FOR LATCH-TYPE OPERATOR
	SEAL WATER CONTROL UNIT
	INTERLOCKING OR CONTROL FUNCTION
	INTRINSIC SAFETY BARRIER
	DISCRETE INPUT
	DISCRETE OUTPUT
	ANALOG INPUT
	ANALOG OUTPUT
	CAMERA (CCTV)

2 EQUIPMENT PREFIXES	
F	FAN
MX	MIXER
P	PUMP
GEN	GENERATOR
UH	UNIT HEATER

3			4			5			6		
INSTRUMENTATION SYMBOLS											

1 MISCELLANEOUS SYMBOLS	
	MOTOR (ACTUATOR, VALVE, GATE OR EQUIPMENT)
	ENGINE
	EJECTOR, PNEUMATIC
	GENERATOR

2 FUNCTION SYMBOLS			
	SHARED DISPLAY, PROCESS CONTROL SYSTEM		
	SOFTWARE FUNCTIONALITY		
	FIELD OR PANEL DEVICE		
LOCATION AND ACCESSIBILITY MODIFIERS FOR FUNCTION SYMBOLS			
			STAND ALONE DEVICE, OPERATOR ACCESSIBLE
			LOCATED ON FRONT OF PANEL OR CONSOLE, OPERATOR ACCESSIBLE
			LOCATED IN REAR OF PANEL OR CONSOLE, OPERATOR INACCESSIBLE

3				4				5				6			
INSTRUMENTATION SYMBOLS															
 INTEGRAL INSTRUMENT PRIMARY ELEMENT SYMBOL				 CLOSE COUPLED INSTRUMENT PRIMARY ELEMENT SYMBOL				 SEPARATE OR REMOTE MOUNTED INSTRUMENT PRIMARY ELEMENT SYMBOL				 MULTI VARIABLE INSTRUMENT			
 SEPARATE OR REMOTE MOUNTED INSTRUMENT PRIMARY ELEMENT SYMBOL FLANGE OR ELEMENT TAPS				 SEPARATE OR REMOTE MOUNTED INSTRUMENT PRIMARY ELEMENT SYMBOL PIPE TAPS				 SEPARATE OR REMOTE MOUNTED INSTRUMENT PRIMARY ELEMENT SYMBOL COMBINATION TAPS				 SINGLE VARIABLE INSTRUMENT			
<b>GENERAL NOTES:</b> 1. THIS DRAWING IS GENERAL IN NATURE. SOME SYMBOLS AND IDENTIFICATIONS SHOWN HEREON MAY NOT BE USED ON THE CONTRACT DRAWINGS. 2. SYMBOLS ARE ARRANGED ON SPECIFIC DRAWINGS AND IN CATEGORIES FOR CONVENIENCE ONLY; SYMBOLS MAY BE USED ON ANY OF THE CONTRACT DRAWINGS.															



**Brown AND Caldwell**  
 BUSINESS NAME (ONLY IF REQUIRED)  
 REGISTRATION NUMBER (ONLY IF REQUIRED)  
 CITY, STATE (ONLY IF REQUIRED)



**EXAMPLE BC  
 PROJECT TITLE  
 LIMIT 5 18  
 CHARACTER ROWS  
 888888888888888888**

REVISIONS		
REV	DATE	DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE

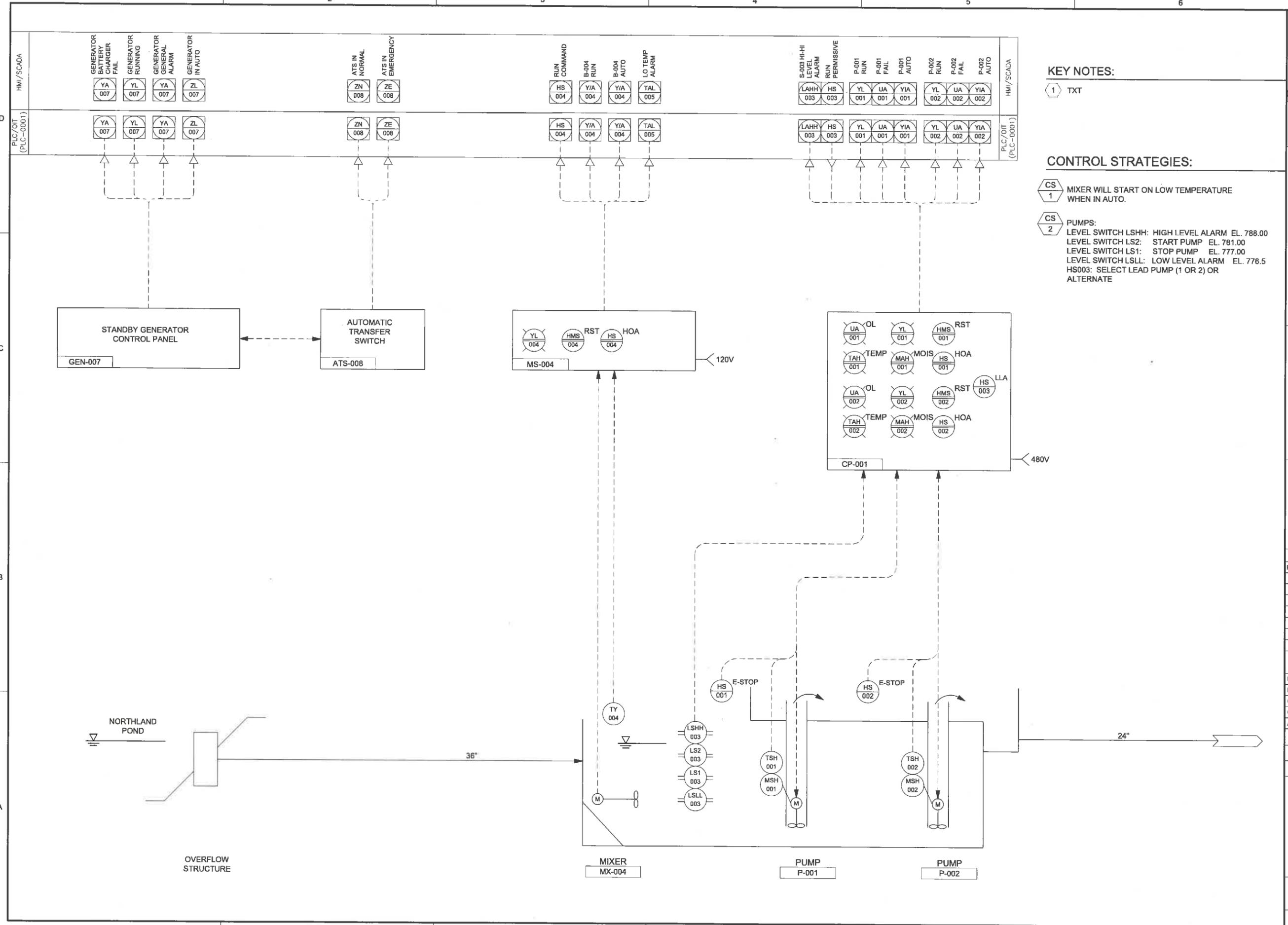
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 APPROVED: \_\_\_\_\_

FILENAME I-002.DWG
BC PROJECT NUMBER 000000
CLIENT PROJECT NUMBER CLIENT PROJECT NUMBER

**INSTRUMENTATION  
 LEGEND AND  
 SYMBOLS - 2**

DRAWING NUMBER <b>I-002</b>
SHEET NUMBER 43 OF 46

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**KEY NOTES:**

1 TXT

**CONTROL STRATEGIES:**

CS 1 MIXER WILL START ON LOW TEMPERATURE WHEN IN AUTO.

CS 2 PUMPS:  
 LEVEL SWITCH LSHH: HIGH LEVEL ALARM EL. 788.00  
 LEVEL SWITCH LS2: START PUMP EL. 781.00  
 LEVEL SWITCH LS1: STOP PUMP EL. 777.00  
 LEVEL SWITCH LSL: LOW LEVEL ALARM EL. 776.5  
 HS003: SELECT LEAD PUMP (1 OR 2) OR ALTERNATE



CITY, STATE (ONLY IF REQUIRED)



CITY OF APPLETON  
NORTHLAND POND

REVISIONS

REV	DATE	DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE

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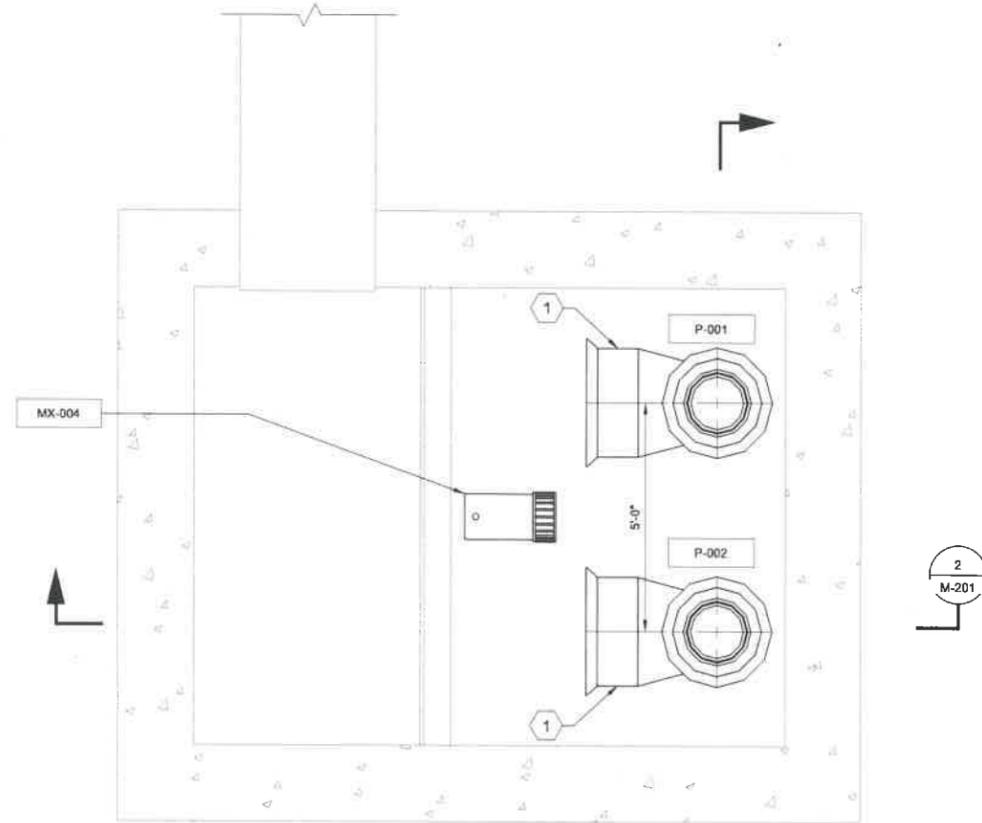
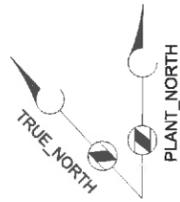
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 CLIENT PROJECT NUMBER:  
 CLIENT PROJECT NUMBER:

**INSTRUMENTATION**

PROCESS AND INSTRUMENTATION DIAGRAM-PUMPS

DRAWING NUMBER  
**I-010**  
 SHEET NUMBER  
 44 OF 46

Path: \\BOML\FP01\PROJECTS\APPLETON CITY OF\147662\_NORTHLAND POND FINAL DESIGN\CADD\2-SHEETS\2D-PROCESS FILENAME: D-101.DWG PLOT DATE: 11/24/15 7:22 AM CAD USER: PAVLISICH, RAYMOND



NORTHLAND PUMP STATION  
**INTERMEDIATE PLAN**  
 SCALE: 1/2" = 1'-0"

**KEY NOTES:**

- 1 FORMED SUCTION INTAKE (FSI). DIMENSIONS BY PUMP MANUFACTURER.



CITY, STATE (ONLY IF REQUIRED)



CITY OF APPLETON  
 NORTHLAND POND

REVISIONS		
REV	DATE	DESCRIPTION

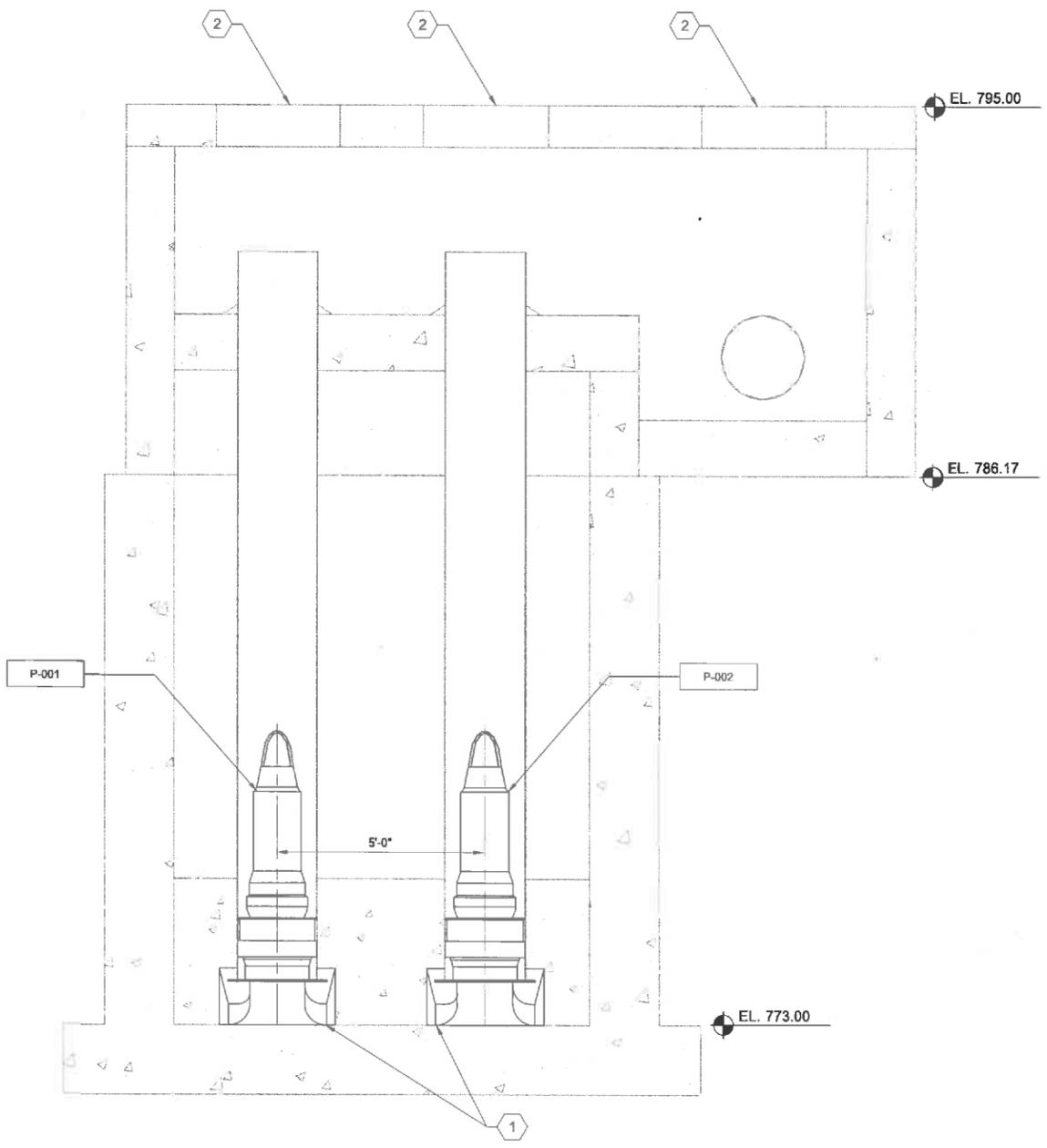
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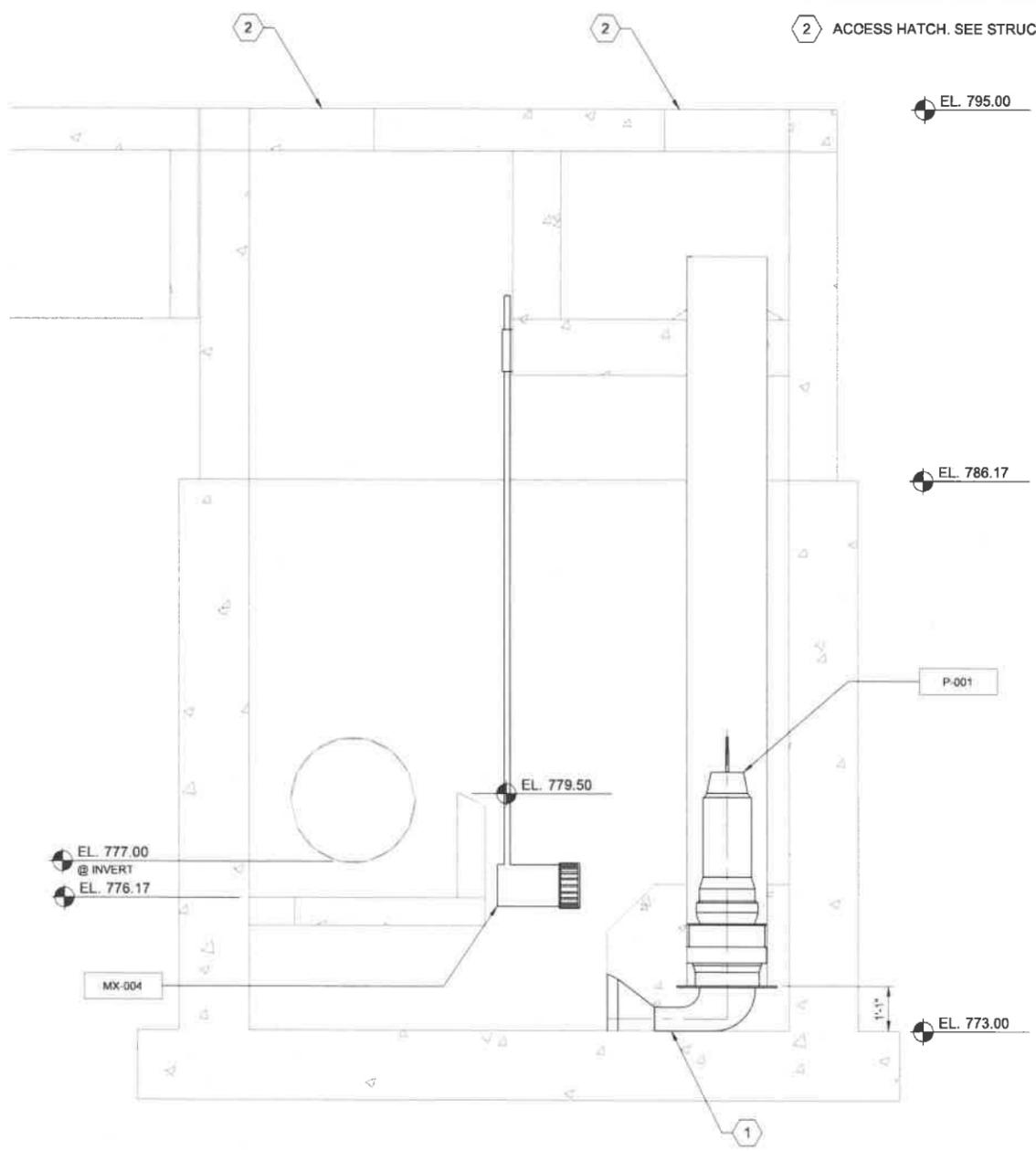
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**PLAN**

DRAWING NUMBER  
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 SHEET NUMBER  
 45 OF 46

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SECTION 1  
D-101  
SCALE: 1/2" = 1'-0"



SECTION 2  
D-101  
SCALE: 1/2" = 1'-0"

**KEY NOTES:**

- 1 FORMED SUCTION INTAKE (FSI). DIMENSIONS BY PUMP MANUFACTURER.
- 2 ACCESS HATCH. SEE STRUCTURAL.



CITY, STATE (ONLY IF REQUIRED)



CITY OF APPLETON  
NORTHLAND POND

REVISIONS		
REV	DATE	DESCRIPTION

LINE IS 2 INCHES AT FULL SIZE

DESIGNED:  
DRAWN:  
CHECKED:  
APPROVED:

FILENAME: D-201.DWG  
BC PROJECT NUMBER: 147622  
CLIENT PROJECT NUMBER: CLIENT PROJECT NUMBER

**PROCESS SECTIONS**

DRAWING NUMBER  
**D-201**  
SHEET NUMBER  
46 OF 46

**Town of Grand Chute  
Rezoning Request  
The D & D Enterprises Family Limited Partnership**

---

**To:** Plan Commission

**From:** Michael Patza, Town Planner

**Date:** February 11, 2016

**Address:** 2601 N. McCarthy Road

**App. #: Z-01-16**

---

**REQUEST**

Applicant requests the rezoning of this property from **AGD General Agricultural District to IND Industrial District** to allow for a motorcycle rider learning course and a motorcycle storage facility that will be a part of the existing motorcycle dealership adjacent to this property.

**ANALYSIS**

The requested rezoning to industrial classification is consistent with the surrounding industrial uses. Review of a preliminary concept plan of the site for the project indicates that the site is adequately sized and positioned to accommodate the proposed use within the requirements prescribed in the Zoning Code. Separate Site Plan approval is required before construction could begin. The rezoning of this property to industrial classification is consistent with the "urban" designation in the Comprehensive Plan.

**RECOMMENDATION**

Staff has reviewed and supports a Plan Commission recommendation to rezone the property at 2601 N. McCarthy Road from **AGD General Agricultural District to IND Industrial District**. (Ordinance No. 02-2016)

TOWN OF GRAND CHUTE

ORDINANCE, SERIES OF O-02-2016

AN ORDINANCE AMENDING EXISTING CHAPTER 535 OF THE CODE OF GENERAL ORDINANCES FOR THE TOWN OF GRAND CHUTE, OUTAGAMIE COUNTY, WISCONSIN BY CHANGING THE ZONING CLASSIFICATION OF CERTAIN PROPERTY LOCATED AT 2601 N. MCCARTHY ROAD FROM AGD GENERAL AGRICULTURAL DISTRICT TO IND INDUSTRIAL DISTRICT.

WHEREAS, Chapter 535 of the Town of Grand Chute Municipal Code provides for establishment of the Official Town Zoning Atlas, upon which all zoning district classifications are mapped; and,

WHEREAS, The Town of Grand Chute has determined the need to amend said Official Zoning Atlas for purposes of changing the zoning classification for property located within the Town.

NOW THEREFORE BE IT ORDAINED by the Town Board of Supervisors of the Town of Grand Chute, Outagamie County, Wisconsin, that Chapter 535 of the Code of General Ordinances for the Town of Grand Chute is hereby amended by changing the zoning classification of the property located at 2601 N. McCarthy Road from AGD General Agricultural District to IND Industrial District, further described as follows:

Part of the Northeast ¼ of the Northwest ¼ of Section 19, T21N-R17E, in the Town of Grand Chute, Outagamie County, Wisconsin, commencing at the North ¼ Corner of said Section 19, thence South 811.12 feet to the POB; thence South 221 feet, West 355.08 feet, North 213.66 feet, East 355 feet to the POB. Tax Key Parcel #101-083901.

If any provision of this ordinance is invalid or unconstitutional, or the application of this ordinance to any person or circumstance is invalid or unconstitutional, such invalidity or unconstitutionality shall not affect the above provisions or applications of this ordinance, which can be given effect without the invalid or unconstitutional provision, or its application.

Approved and adopted this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

Town of Grand Chute

Number Voted For \_\_\_\_\_

Number Voted Against \_\_\_\_\_

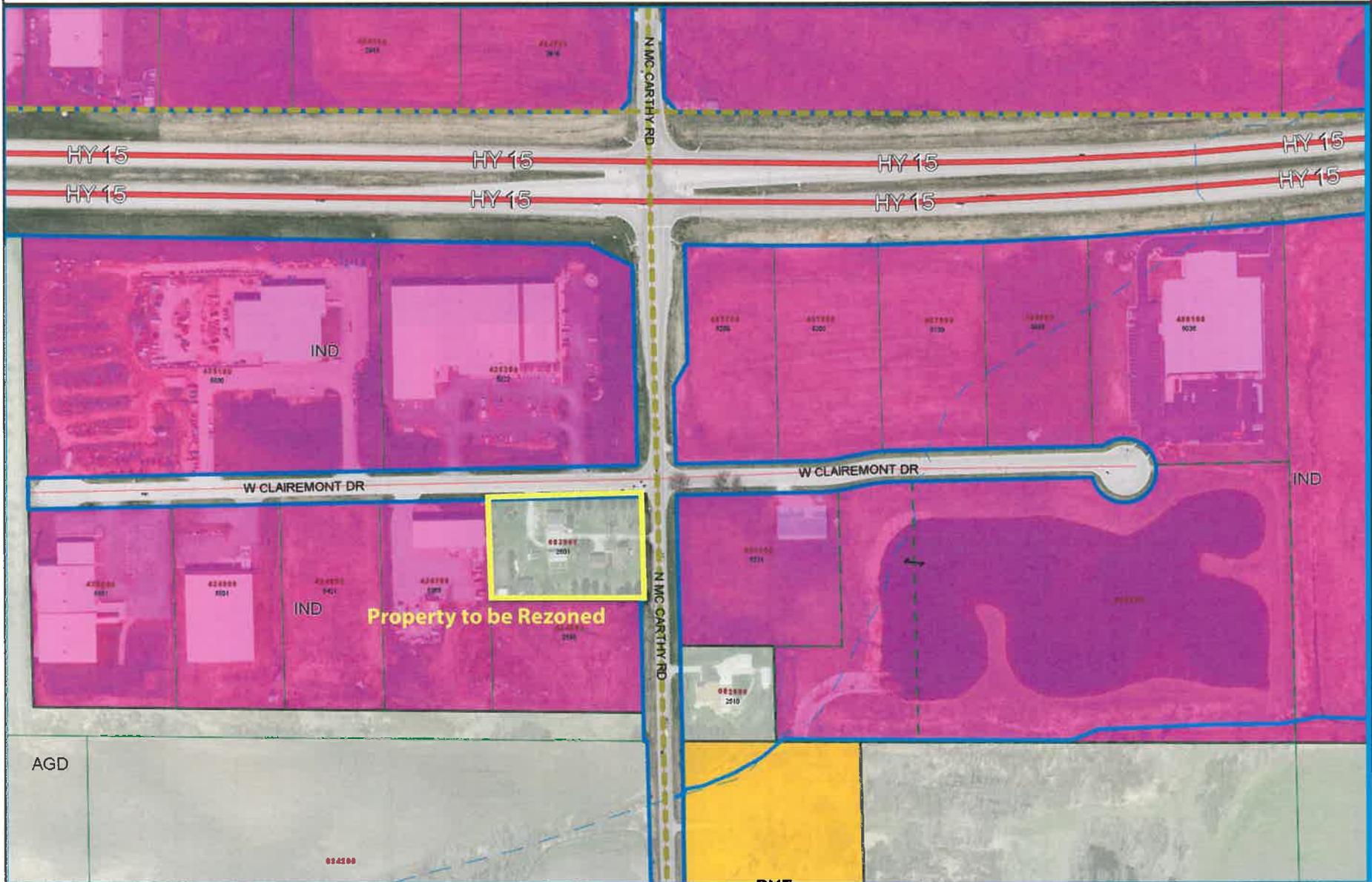
\_\_\_\_\_  
David A. Schowalter  
Town Chairman

\_\_\_\_\_  
Karen L. Weinschrott  
Town Clerk

Approved as to form:

\_\_\_\_\_  
Charles Koehler, Attorney  
Herrling Clark Law Offices  
800 N. Lynndale Drive  
Grand Chute, WI 54914

Z-01-16



This map was compiled using data believed to be accurate; however, a degree of error is inherent in all maps. This map was distributed "AS-IS" without warranties of any kind, either expressed or implied, including but not limited to warranties of suitability to a particular purpose or use. No attempt has been made in either the design or production of the maps to define the limits or jurisdiction of any federal, state, or local government. Detailed on-the-ground surveys



**Town of Grand Chute  
Rezoning Request  
Spirit SPE Portfolio 2006-4, LLC**

---

**To: Plan Commission**

**From: Robert Buckingham, Community Development Director**

**Date: February 11, 2016**

**Address: 3800 W. Wisconsin Avenue**

**App. #: Z-02-16**

---

**REQUEST**

Applicant/owner requests the rezoning of the former National Envelope Corporation property. Manufacturing operations at the property ended two years ago, and the property is being marketed for sale. The request is to rezone from **IND Industrial District to CR Regional Commercial District**.

**ANALYSIS**

The requested rezoning to commercial classification will allow the property to more effectively be marketed for future retail/service use, consistent with the commercial use of a large surrounding area. The site is no longer conducive to industrial uses and will need to be re-purposed for commercial development. This rezoning action for commercial classification is consistent with the "regional center" designation in the Comprehensive Plan.

**RECOMMENDATION**

**Staff has reviewed and supports a Plan Commission recommendation to rezone the property at 3800 W. Wisconsin Avenue from IND Industrial District to CR Regional Commercial District. (Ordinance No. 03-2016)**

TOWN OF GRAND CHUTE

ORDINANCE, SERIES OF O-03-2016

AN ORDINANCE AMENDING EXISTING CHAPTER 535 OF THE CODE OF GENERAL ORDINANCES FOR THE TOWN OF GRAND CHUTE, OUTAGAMIE COUNTY, WISCONSIN BY CHANGING THE ZONING CLASSIFICATION OF CERTAIN PROPERTY LOCATED AT 3800 W. WISCONSIN AVENUE FROM IND INDUSTRIAL DISTRICT TO CR REGIONAL COMMERCIAL DISTRICT.

WHEREAS, Chapter 535 of the Town of Grand Chute Municipal Code provides for establishment of the Official Town Zoning Atlas, upon which all zoning district classifications are mapped; and,

WHEREAS, The Town of Grand Chute has determined the need to amend said Official Zoning Atlas for purposes of changing the zoning classification for property located within the Town.

NOW THEREFORE BE IT ORDAINED by the Town Board of Supervisors of the Town of Grand Chute, Outagamie County, Wisconsin, that Chapter 535 of the Code of General Ordinances for the Town of Grand Chute is hereby amended by changing the zoning classification of the property located at 3800 W. Wisconsin Avenue from IND Industrial District to CR Regional Commercial District, further described as follows:

Part of the Northwest ¼ of the Southeast ¼, part of the Southwest ¼ of the Southeast ¼, and part of the Southeast ¼ of the Southeast ¼ of Section 20, T21N-R17E, in the Town of Grand Chute, Outagamie County, Wisconsin, commencing at the South Quarter corner of said Section 20; thence North 89°12'31" East, 404.50 feet; thence North 46°33'26" West, 107.51 feet to the POB; thence North 46°33'26" West, 152.60 feet; thence North 04°06'59" West, 970.21 feet; thence North 00°46'31" East, 254.72 feet; thence North 02°41'52" East, 313.23 feet; thence South 44°30'11" East, 2,237.29 feet; thence South 89°11'48" West, 625.29 feet; thence South 00°47'29" East, 25.00 feet; thence South 89°12'31" West, 781.16 feet to the POB. Tax Key Parcel #101-091300.

If any provision of this ordinance is invalid or unconstitutional, or the application of this ordinance to any person or circumstance is invalid or unconstitutional, such invalidity or unconstitutionality shall not affect the above provisions or applications of this ordinance, which can be given effect without the invalid or unconstitutional provision, or its application.

Approved and adopted this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

Town of Grand Chute

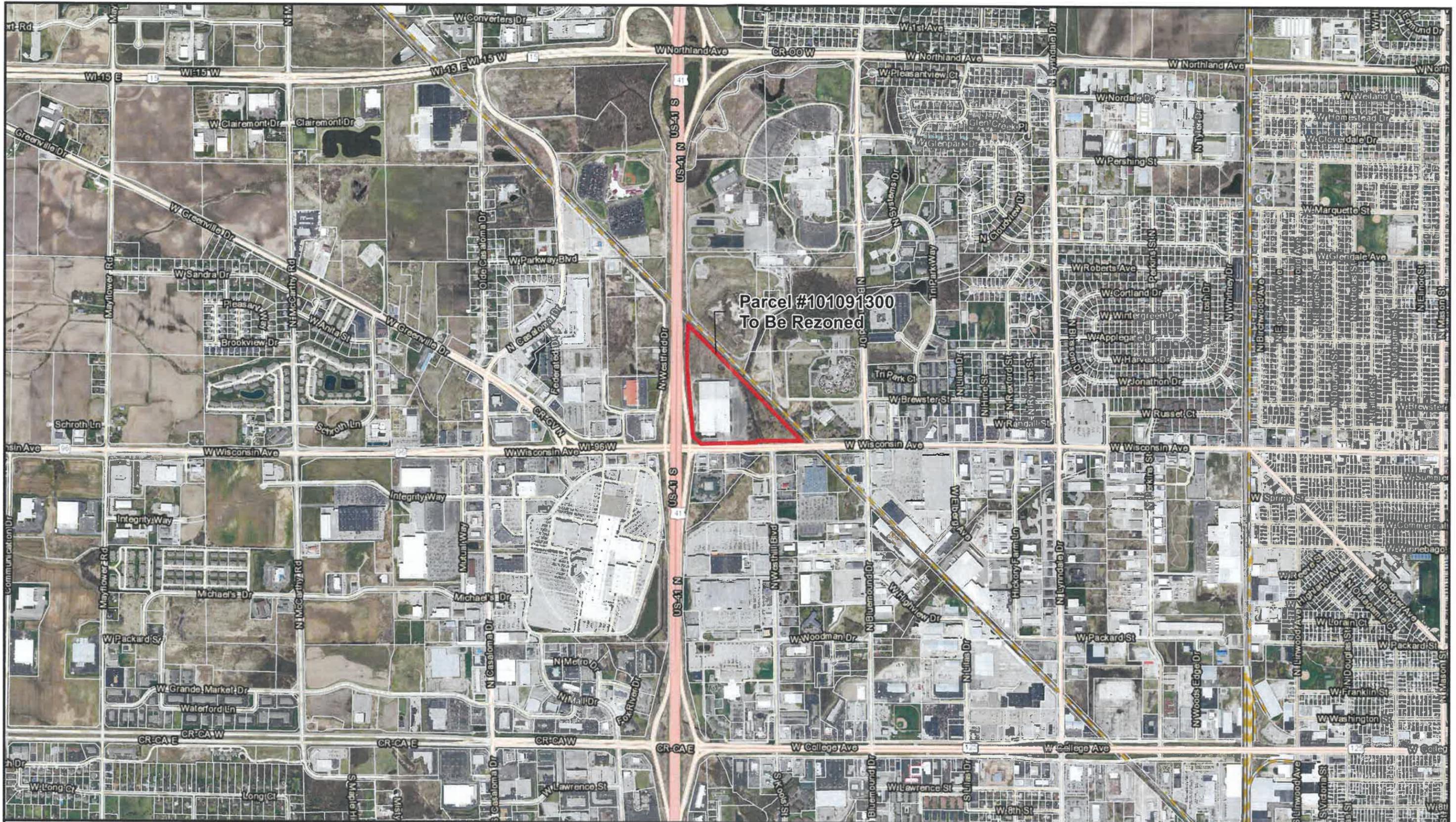
Number Voted For \_\_\_\_\_  
Number Voted Against \_\_\_\_\_

\_\_\_\_\_  
David A. Schowalter  
Town Chairman

\_\_\_\_\_  
Karen L. Weinschrott  
Town Clerk

Approved as to form:

\_\_\_\_\_  
Charles Koehler, Attorney  
Herrling Clark Law Offices  
800 N. Lynndale Drive  
Grand Chute, WI 54914



Parcel #101091300  
To Be Rezoned

**Parcel #101091300 Rezone**  
Town of Grand Chute  
Outagamie County, Wisconsin

DATE: 1/14/2016  
JOB: 1360008  
DRAWN: PFO

Legend  
 Parcel #101091300 to be Rezoned  
 Parcel



Source: Robert E. Lee & Associates, Inc.  
ESRI, Outagamie County

Disclaimer: Robert E. Lee & Associates, Inc. makes every effort to ensure this map is free of errors but does not warrant the map or its features are either spatially or temporally accurate or fit for a particular use. Robert E. Lee & Associates, Inc., provides this map without any warranty of any kind whatsoever, either expressed or implied.



**Robert E. Lee & Associates, Inc.**  
Engineering • Surveying • Environmental Services  
Celebrating 60 Years of Excellence

**Town of Grand Chute  
Special Exception Request  
Jennerjohn Realty, Auctioneering & Appraising LLC, dba Jennerjohn  
Auto Sales**

---

**To:** Plan Commission

**From:** Michael Patza, Town Planner

**Date:** February 11, 2016

**Address:** 3303B W. College Avenue

**App. #: SE-03-16**

---

**REQUEST**

1. **Proposed Use:** Sale of automobiles
2. **Project Description:** Online auctioning of automobiles at the existing business, no changes to the building or site
3. **Plat/CSM Accurate parcel lines/lot recorded:** Yes

**ANALYSIS**

Applicant seeks approval to operate an automobile sales business at its current location. The business currently serves as a full service real estate and auction company and would like to expand to include the sale of automobiles. The majority of vehicles will be sold online and will not be stored at this location. The applicant anticipates that periodically fewer than 5 vehicles total may be acquired by the business and stored at this location for online sale.

**FINDINGS OF FACT IN GRANTING OF A SPECIAL EXCEPTION**

- a. The establishment, maintenance or operation of the proposed Special Exception use or structure at the proposed location will not be detrimental or injurious to the use and enjoyment of existing uses on adjacent properties or properties in the vicinity. Yes.
- b. The establishment, maintenance or operation of the proposed Special Exception use or structure, alone or in combination with other existing Special Exception uses and structures in the vicinity will not cause traffic hazards. Yes.
- c. Adequate provision is made for surface water drainage, ingress and egress to the property, and off-street parking. Yes.
- d. Adequate public facilities and services are available for the proposed Special Exception use of structure. Yes.

**RECOMMENDATION**

Staff has reviewed and supports a Plan Commission recommendation for approval of the Special Exception Permit (SE-03-16) requested by Jennerjohn Realty, Auctioneering & Appraising LLC, dba Jennerjohn Auto Sales, 3303B W. College Avenue, to allow operation of an automobile sales business.



3303B W. COLLEGE AVE.

APPLETON, WI 54914

920-213-6813

To whom this may concern:

Jennerjohn Realty, Auctioneering & Appraising LLC. Would like to be able to do online auctioning of cars, truck, mopeds, motorcycles (all motor vehicles). We are a full service Real Estate and Auction company that would like to add to our business. 95% of these will be sold online. We may have a few cars on site at any given time, but overall we are really focused on online sales. Auctioning vehicles for other dealerships if they have inventory to get rid of, customers or ourselves. We may purchase a few and have a couple here but I would say 5 or less at times.

Signage will be on windows and will say Jennerjohn Auto Sales LLC. And go to [jennerjohn.com](http://jennerjohn.com) to view our inventory and if we have cars parked here they will be located near our building with a sign on the car that says go to [jennerjohn.com](http://jennerjohn.com) to view our inventory or to purchase this car. We hope you find this to be a great asset to the town of Grand Chute. Thank you for working with us and glad to be a member of the Town of Grand Chute.

Thank you,

Tracy Jennerjohn





**AGENDA REQUEST**  
**3/1/2016**

TOPIC: Determine special assessment methodology for the 2016 Westhill Boulevard project 2016-08.

<input checked="" type="checkbox"/> New Business <input type="checkbox"/> Unfinished Business <input type="checkbox"/> Reports <input type="checkbox"/> Closed Session <input type="checkbox"/> Ordinance/Resolution	Meeting: Town Board
Department Reporting: Public Works	Submitted By: Thomas J. Marquardt, P.E.,  Director of Public Works

**ISSUE:** Shall the Town Board approve a methodology for special assessments to adjacent property owners for improvements proposed for Westhill Boulevard project 2016-08.

**BACKGROUND/ANALYSIS:** The Westhill Boulevard project from Franklin Street to Wisconsin Avenue will consist of spot curb replacement and reclaiming the existing asphalt pavement and repaving the 58 to 76 foot wide roadway between the existing curbs.

McMahon is compiling the Schedule of Assessments. Staff has researched the method that was used in 2000 when the road was originally constructed. The method consisted of 40% of the assessable costs be allocated by front footage of the adjacent parcels and 60% of the assessable costs by traffic generation of adjacent parcels and parcels that must enter/exit onto Westhill Boulevard. Those parcels that have their only access point on Westhill will be given a traffic weighting of 1.0, if they have other access points to roads other than Westhill, their traffic weighting will be 0.5. This method was accepted by all of the parcels except Woodmans and the court decided that this method was fair and equitable for the original project.

The assessments were calculated based on the current Special Assessment Policy with the following assumptions:

- 40% of the assessable costs will be calculated on a front foot basis.
- 60% of the assessable costs will be based on traffic generation.
- Traffic volumes will use peak volumes from the current ITE Traffic Generation Manual.
- There is shown a 15% contingency and 5% administration.

**RECOMMENDATION:** Staff recommends that the Town Board approve the method of special assessment based on 40% frontage and 60% traffic with a traffic weighting for an access onto another roadway. This method is exactly the same as the method used in the 2000 project.

**FISCAL IMPACT:** CIP

In accordance with the current Special Assessment Policy, 100% of the reconstruction costs can be assessed back to the adjacent properties or on an area wide basis. The policy does limit the width of the pavement that can be assessed. This results in the Town being responsible for approximately 33% of the project costs.

**ATTACHMENTS:** Attachment No. 1 - McMahon's 2000 Explanation of Components for Area-Wide special Assessment  
Attachment No. 2 - Schedule of Special Assessments

**Town of Grand Chute**  
**Westhill Boulevard - College Avenue to Wisconsin Avenue**

EXPLANATION OF COMPONENTS FOR AREA-WIDE  
 SPECIAL ASSESSMENTS

FROM ORIGINAL  
 CONSTRUCTION IN  
 2000.

For this project, the Town of Grand Chute is relying on several generally accepted methods of allocating projects costs for Special Assessments. The purpose of using several methods is to allocate the project costs over a wider benefit area. In addition to the standard front-foot method, the Town of Grand Chute will also rely on traffic generation and street accessibility as other elements to allocate project costs. These calculations are explained below:

### **FRONT FOOTAGE (40%)**

Frontage - Front footage of parcels along the actual construction zone Westhill Boulevard (College Avenue to Wisconsin Avenue).

Assessable Frontage - Frontage that is subject to special assessment after corner credits, etc. are taken into account.

### **TRAFFIC GENERATION (60%)**

Building Square Feet - Area (in square feet) of existing (or approved) buildings subject to traffic generation.

Rooms or Stalls - The number of rooms or stalls on a property where the Trip Generation Manuals recommend this method as being more accurate model than building size.

Traffic Generation - The factor estimates traffic generated per 1,000 square feet of area. Traffic generation factors are determined from the Institute of Transportation Engineers Trip Generation Manuals. In some cases, units of traffic generation are based on a factor other than area, based on the manual's recommendation. The traffic generation factor is based on the type of use, and assumes traffic generated during the peak day. Vacant land is not assessed a traffic generation factor, unless development plans have already been approved by the Town.

Accessibility - Is determined by traffic options that are available for vehicles entering/exiting subject parcel. If using Westhill Boulevard is the only collector road option for a parcel, an accessibility factor of 1.0 is applied. If two options are available, a factor of 0.5 (1/2 options) is applied.

Assessable Traffic Generation - Building square feet times traffic generation factor times accessibility factor.

Traffic Generation Assessment - \$ rate per traffic generated times Assessable Traffic Generation.



Town of Grand Chute  
 Westhill Boulevard (W. Franklin Street to W. Wisconsin Avenue)  
 Reclaiming  
 Contract 2016-08  
 G0006-9-15-00728

ATTACHMENT NO. 2

**Project Cost (based on estimated quantities):**

Item No.	Description	Unit	Estimated Quantity	Unit Price	Amount	Assessable Amount
1	Sawcut Asphalt Pavement & Driveways	LF	1160	\$4.00	\$4,640.00	\$4,640.00
2	Sawcut Concrete Curb & Gutter	LF	320	\$5.00	\$1,600.00	\$1,600.00
3	Remove & Replace 30-inch Curb & Gutter	LF	1280	\$65.00	\$83,200.00	\$83,200.00
4	Drilled Tie Bars	SY	256	\$9.00	\$2,304.00	\$1,810.29
5	Detectable Warning Fields	SF	32	\$30.00	\$960.00	\$960.00
6	Reclaim Existing Pavement	SY	23777	\$1.00	\$23,777.00	\$15,851.33
7	Mill 2" Pavement	Tons	0	\$7.00	\$0.00	\$0.00
8	Haul Excess Reclaimed Material to Town Site	SY	7851	\$6.00	\$47,106.00	\$31,404.00
9	Fine Grading	Tons	23777	\$1.00	\$23,777.00	\$15,851.33
10	Hot Mix Asphalt Pavement Type E-3 (Lower Layer)	Tons	4997	\$55.00	\$274,835.00	\$183,223.33
11	Hot Mix Asphalt Pavement Type E-3 (Upper Layer)	LF	2857	\$57.00	\$162,849.00	\$108,566.00
12	Concrete Sidewalk 4-Inch	SF	1080	\$4.00	\$4,320.00	\$4,320.00
13	Adjusting Pull Boxes	Each	8	\$100.00	\$800.00	\$800.00
14	Pavement Marking, 4-inch, Epoxy	LF	6738	\$1.00	\$6,738.00	\$6,738.00
15	Pavement Marking, 8-Inch, Epoxy (Channelizing)	LF	923	\$2.00	\$1,846.00	\$1,846.00
16	Pavement Marking, Arrows, Type 2, Preformed Thermoplastic	Each	24	\$400.00	\$9,600.00	\$9,600.00
17	Pavement Marking, 18-Inch, Stop Line, Preformed Thermoplastic	Each	131	\$25.00	\$3,275.00	\$3,275.00
18	Pavement Marking Island Nose Epoxy	Each	15	\$300.00	\$4,500.00	\$4,500.00
19	Pavement Marking, 6-Inch, Epoxy, Crosswalk	LS	859	\$5.00	\$4,295.00	\$4,295.00
20	Traffic Control	LS	1	\$10,000.00	\$10,000.00	\$10,000.00
Subtotal:					\$670,422.00	\$482,480.29
Engineering:					\$67,042.20	\$48,248.03
Contingencies (15%):					\$100,563.30	\$72,372.04
Subtotal:					\$838,027.50	\$603,100.36
Administration (5%):					\$41,901.38	\$30,155.02
<b>Total project cost:</b>					<b>\$879,928.88</b>	<b>\$633,255.38</b>

**Setting Assessment Rates:**

**Frontage Assessment:**

Assessable project cost (40%):	\$253,302.15	
Assessable frontage:	5689.99 feet	Preliminary rate: \$ per LF
Assessment rate:	\$44.517 per LF	

**Traffic Generation Assessment:**

Assessable project cost (60%):	\$379,953.23	
Assessable frontage:	73109.66 trips	Preliminary rate: \$ per trip
Assessment rate:	\$5.197 per trip	

Schedule of Assessments:

Property Owner	Address	Parcel Number	Total Frontage	Assessable Frontage	Frontage Assessment	Building or Parcel Size (SF or acres)	Rooms or Stalls	Traffic Generation Factor	Accessibility Factor	Assessable Traffic Generation	Traffic Assessment	Total Assessment
SAMS REAL EST BUS TRUST #8313	1000 N. Westhill Boulevard	101118200	0.00	0.00	\$0.00	130779	N/A	53.75	0.5	3514.69	\$18,265.96	\$18,265.96
SAMS REAL ESTATE BUSINESS TRST	1000 N. Westhill Boulevard	101118301	0.00	0.00	\$0.00	N/A	N/A	0	0.5	0	\$0.00	\$0.00
FAGER, ALLEN L & SANDRA M	846 N. Westhill Boulevard	101118501	210.00	210.00	\$9,348.60	11430	N/A	51.60	1	589.79	\$3,065.16	\$12,413.76
WESTHILL PLAZA LLC	697 N. Westhill Boulevard	101118600	0.00	0.00	\$0.00	62290	N/A	66.40	1	4136.06	\$21,495.24	\$21,495.24
GC WESTHILL APPLETON LLC	1169 N. Westhill Boulevard	101118603	304.13	304.13	\$13,539.00	10444	N/A	158.37	1	1654.02	\$8,595.99	\$22,135.00
LEARS AND CO INC	N. Westhill Boulevard	101118604	249.10	166.07	\$7,392.96	N/A	N/A	0	0.5	0	\$0.00	\$7,392.96
KAFURA, JOHN/EVELYN FAMILY TRT	1175 N. Westhill Boulevard	101118605	240.00	160.00	\$7,122.74	14023	N/A	51.60	0.5	361.79	\$1,880.23	\$9,002.98
HOME DEPOT USA INC	653 N. Westhill Boulevard	101118607	15.00	15.00	\$667.76	112030	N/A	56.72	1	6354.34	\$33,023.71	\$33,691.46
WESTHILL PLAZA LLC	601 N. Westhill Boulevard	101118608	544.00	544.00	\$24,217.33	53340	N/A	44.32	1	2364.03	\$12,285.94	\$36,503.27
CRICPETS APPLETON TRUST	923 N. Westhill Boulevard	101118609	207.00	207.00	\$9,215.05	28896	N/A	41.88	1	1210.16	\$6,289.24	\$15,504.29
MARTINWOOD LLC	N. Westhill Boulevard	101118611	82.08	82.08	\$3,653.97	6.15	N/A	149.79	1	921.20	\$4,787.51	\$8,441.47
WOODMAN'S FOOD MARKET INC	557 N. Westhill Boulevard	101119300	327.38	327.38	\$14,574.03	247400	12	111.85 & 542.6	1	34182.89	\$177,649.56	\$192,223.59
NELESEN, JOSEPH R & MARY	599 N. Westhill Boulevard	101119301	367.58	367.58	\$16,363.61	4000	N/A	722.03	1	2888.12	\$15,009.65	\$31,373.27
APPOLO ROSE LLC	525 N. Westhill Boulevard	101119302	181.14	181.14	\$8,063.84	16654	N/A	27.49	1	457.82	\$2,379.31	\$10,443.14
APPOLO ROSE LLC	515 N. Westhill Boulevard	101119303	0.00	0.00	\$0.00	N/A	N/A	0	1	0.00	\$0.00	\$0.00
HACKBARTH, WILLIAM F & CAROL	800 N. Westhill Boulevard	101120201	90.00	90.00	\$4,006.54	4150	N/A	11.65	1	48.35	\$251.28	\$4,257.82
STAKES INC	500 N. Westhill Boulevard	101122104	225.04	150.03	\$6,678.91	23548	N/A	71.07	0.5	836.78	\$4,348.77	\$11,027.68
AMERICAN NATL BANK FOX CITIES	444 N. Westhill Boulevard	101122109	354.46	354.46	\$15,779.55	38136	N/A	11.03	1	420.64	\$2,186.08	\$17,965.63
B&G REALTY LLC	513 N. Westhill Boulevard	101122700	406.01	406.01	\$18,074.41	58880	14	292.50	1	4095.00	\$21,281.85	\$39,356.25
GRISHABER MAIN ST PARTNSHP LLP	501 N. Westhill Boulevard	101122701	152.48	152.48	\$6,787.98	8380	N/A	722.03	1	6050.61	\$31,445.21	\$38,233.19
Spirit Spe Portfolio 2005 2 LLC	517 N. Westhill Boulevard	101122800	0.00	0.00	\$0.00	13808	N/A	27.49	1	379.58	\$1,972.69	\$1,972.69
GOA PROPERTIES LLC	600 N. Westhill Boulevard	102326500	165.51	110.34	\$4,912.02	9794	N/A	51.60	0.5	252.69	\$1,313.24	\$6,225.26
FOX VALLEY PROPERTY PARTNRS	650 N. Westhill Boulevard	102326600	133.72	133.72	\$5,952.83	6525	N/A	11.65	1	76.02	\$395.08	\$6,347.91
WESTHILL CENTRE LLC	670-690 N. Westhill Boulevard	102326700	140.00	140.00	\$6,232.40	7920	N/A	44.32	1	351.04	\$1,824.37	\$8,056.77
JOHN BIRCH SOCIETY INC	700 N. Westhill Boulevard	102326900	152.28	152.28	\$6,779.07	7542	N/A	7.98	1	60.19	\$312.81	\$7,091.88
JOHN BIRCH SOCIETY INC	770 N. Westhill Boulevard	102327100	152.68	152.68	\$6,796.88	8059	N/A	7.98	1	64.31	\$334.22	\$7,131.10
PAFFENROTH, JEFFREY J	828 N. Westhill Boulevard	102327200	100.00	100.00	\$4,451.72	2750	N/A	36.13	1	99.36	\$516.38	\$4,968.09
YEATMAN, DOUGLAS S & AMY C	842 N. Westhill Boulevard	102327300	129.00	129.00	\$5,742.71	5839	N/A	36.13	1	210.96	\$1,096.37	\$6,839.08
MALPAR LLC	920 N. Westhill Boulevard	102327400	244.40	244.40	\$10,879.99	19600	N/A	11.03	0.5	108.09	\$561.75	\$11,441.74
SAMS EAST INC	N. Westhill Boulevard	102327600	333.54	333.54	\$14,848.25	1.59	N/A	149.79	0.5	119.08	\$618.86	\$15,467.11
LATITUDE 43 N 45 LTD PARTNRSHP	1140 N. Westhill Boulevard	102327800	135.00	135.00	\$6,009.82	6648	N/A	82.52	1	548.59	\$2,851.04	\$8,860.86
RIBS N BIBS LLC	1170 N. Westhill Boulevard	102327900	175.00	175.00	\$7,790.50	4244	N/A	158.37	1	672.12	\$3,493.03	\$11,283.53
SAMS REAL ESTATE BUSINESS TRST	N. Westhill Boulevard	102328000	0.00	0.00	\$0.00	0	N/A	0.00	0.5	0.00	\$0.00	\$0.00
MMADKAT LLC	1250 N. Westhill Boulevard	102328100	235.00	166.67	\$7,419.67	7374.00	N/A	11.03	1.00	81.34	\$422.73	\$7,842.40
			6051.53	5689.99	\$253,302.15					73109.66	\$379,953.23	\$633,255.38

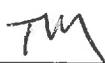
Workbook: Westhill Boulevard  
 Worksheet: Westhill Boulevard assessments  
 Disk: W:\Projects\G0006\950728\Spreadsheets\  
 Date: February 15, 2016

- Pond parcel
- Parking lot parcels with no frontage and traffic generation was accounted for in the building parcels.
- Small non-buildable parcel



**AGENDA REQUEST**  
**3/1/2016**

TOPIC: Determine special assessment methodology for the 2016 College Avenue North Frontage Road project 2016-07.

<input checked="" type="checkbox"/> New Business <input type="checkbox"/> Unfinished Business <input type="checkbox"/> Reports <input type="checkbox"/> Closed Session <input type="checkbox"/> Ordinance/Resolution	Meeting: Town Board
Department Reporting: Public Works	Submitted By: Thomas J. Marquardt, P.E.,  Director of Public Works

**ISSUE:** Shall the Town Board approve a methodology for special assessments to adjacent property owners for street and storm sewer improvements proposed for College Avenue North Frontage Road project 2016-07.

**BACKGROUND/ANALYSIS:** The street on this section of the College Avenue Frontage Road is in poor condition and in need of reconstruction. The work proposed for this project will pulverize the existing roadway, widen the base to accommodate the curb and gutter on the north side and the wider paved shoulder on the south side. Similar to all of the other frontage roads in Grand Chute on College Avenue, this road will have two 11-foot lanes with marked bike lanes and no parking on both sides. In front of the Les Stumpf Ford dealership, a parking lane will be widened and paved on the south side at the property owner's expense. Inlets will be installed in the curb and gutter and piped south to the College Avenue ditch.

I have received the assessment rolls based on the low bid for the College Avenue Frontage Road from McMahon. The assessments were calculated based on the current Special Assessment Policy with the following assumptions:

- All assessments will be calculated on a front foot basis.
- All street costs except the parking lane widening were assessed on a front footage basis.
- Les Stumpf Ford will be charged all cost associated with the widening and paving of the parking lane.
- The American Legion parcel was given a corner lot credit and a credit for existing curb that will not be modified with the project.
- Due to the fact that all of the properties are commercial or Industrial, the maximum per foot assessment amount is for the storm sewer portion \$40.00. The bid price per foot was actually less than \$40.

This is the third time that this project has been bid out. The original bid cost from 2012 are shown on the schedule of assessments.

**RECOMMENDATION:** Staff recommends that the special assessment methodology for this project be on a "per foot of frontage" basis in accordance with the current Special Assessment Policy.

**FISCAL IMPACT:** CIP

This is a single frontage road. All properties in previous frontage road projects were assessed the entire road costs with no credits given for the single frontage status.

**ATTACHMENTS:** Attachment No. 1 - Special Assessment Schedule based on low bid.

**Town of Grand Chute**  
**College Avenue North Frontage Road**  
**Lynndale Drive to Lilas Drive**  
**G0006-940664**

**Project Costs (Based on low bid)**

**Reclaim, Install Storm Sewer and Curb & Gutter on outside of College Avenue:  
Storm Sewer:**

Item	Estimated Quantity	Unit	Unit Price	Amount	Assessable Amount
18" x 28" RCP Class IV Storm Sewer	59	LF	\$62.10	\$3,663.90	\$1,825.95
18" RCP Class IV Storm Sewer	98	LF	\$52.20	\$5,115.60	\$5,115.60
12" RCP Class V Storm Sewer	5	LF	\$50.00	\$250.00	\$250.00
4-foot diameter storm manhole	2.42	VF	\$725.00	\$1,754.50	\$1,754.50
Catch basin	3	EACH	\$1,605.00	\$4,815.00	\$4,815.00
Yard drain	2	EACH	\$1,290.00	\$2,580.00	\$2,580.00
18" x 28" Reinforced Concrete Endwall	1	EACH	\$825.00	\$825.00	\$825.00
18-inch concrete endwall	2	EACH	\$550.00	\$1,100.00	\$1,100.00
Riprap	6	CY	\$50.00	\$300.00	\$300.00
Adjust Sanitary Manhole	3	EACH	\$400.00	\$1,200.00	\$0.00
Replace hydrant bolts	3	EACH	\$950.00	\$2,850.00	\$0.00
Replace valve bolts	2	EACH	\$950.00	\$1,900.00	\$0.00
Replace tee bolts	5	EACH	\$950.00	\$4,750.00	\$0.00
			Construction Cost:	\$31,104.00	\$18,566.05
			Engineering:	\$4,821.12	\$2,877.74
			Contingencies (15%):	\$4,665.60	\$2,784.91
			Subtotal:	\$40,590.72	\$24,228.70
			Administration (5%):	\$2,029.54	\$1,211.43
			Project Cost:	\$42,620.26	\$25,440.13

**Street:**

Item	Estimated Quantity	Unit	Unit Price	Amount	Assessable Amount
Sawcut asphalt pavement & driveways	498	LF	\$1.50	\$747.00	\$747.00
Sawcut concrete curb & gutter	12.5	LF	\$4.00	\$50.00	\$50.00
Removing Asphaltic Driveway	17	SY	\$5.00	\$85.00	\$85.00
Reclaim asphalt pavement	4662	SY	\$0.10	\$466.20	\$466.20
Remove curb & gutter	60	LF	\$5.00	\$300.00	\$300.00
Culvert removal	4	EACH	\$100.00	\$400.00	\$400.00
Excavation Common	4245	CY	\$8.25	\$35,021.25	\$32,480.25
Salvaged Base Course	1679	TON	\$5.89	\$9,889.31	\$9,889.31
Base Aggregate Dense 1-1/4 inch	1750	TON	\$9.25	\$16,187.50	\$14,615.00
Base Aggregate Dense 3-inch	1750	TON	\$9.25	\$16,187.50	\$13,051.75
Geotextile fabric, Type SAS	4779	SY	\$1.25	\$5,973.75	\$5,386.25
30" curb and gutter	1072	LF	\$13.00	\$13,936.00	\$13,936.00
Drilled tie bars	14	EACH	\$12.00	\$168.00	\$168.00
HMA Pavement Type E-3 (lower layer)	910	TON	\$53.20	\$48,412.00	\$45,113.60
HMA Pavement Type E-3 (upper layer)	520	TON	\$53.20	\$27,664.00	\$25,642.40
Aggregate shoulder	150	TON	\$19.00	\$2,850.00	\$2,850.00
Asphalt driveway, 3"	1049	SY	\$12.50	\$13,112.50	\$13,112.50
Restoration	2268	SY	\$2.83	\$6,418.44	\$6,418.44

ATTACHMENT NO. 1

Erosion control mat Class I Type B	287	SY	\$1.30	\$373.10	\$373.10
Inlet protection	7	EACH	\$50.00	\$350.00	\$350.00
Ditch check	20	LF	\$7.00	\$140.00	\$140.00
Traffic Control	1	LS	\$2,500.00	\$2,500.00	\$2,500.00
Remove sign	6	EACH	\$36.00	\$216.00	\$216.00
Post, Tubular Steel 2-3/8 Inch Diameter x 12 Ft	13	EACH	\$168.00	\$2,184.00	\$2,184.00
Signs, Reflective	92	SF	\$28.00	\$2,576.00	\$2,576.00
Pavement Marking Paint 4-Inch	532	LF	\$1.90	\$1,010.80	\$1,010.80
Pavement Marking Epoxy 4-inch	3330	LF	\$0.23	\$765.90	\$727.26
Pavement Marking Arrows Preformed Thermoplastic Type 2	4	EACH	\$580.00	\$2,320.00	\$2,320.00
Pavement Marking Preformed Thermoplastic Stop Line 12"	59	LF	\$30.00	\$1,770.00	\$1,770.00
Pavement Marking, Epoxy, Symbols, Bike Lane	12	EACH	\$140.00	\$1,680.00	\$1,680.00
Pavement Marking, Epoxy, Arrows, Bike Lane	12	EACH	\$100.00	\$1,200.00	\$1,200.00
		Construction Cost:		\$214,954.25	\$201,758.86
		Engineering:		\$33,317.91	\$31,272.62
		Contingencies (15%):		\$32,243.14	\$30,263.83
		Subtotal:		\$280,515.30	\$263,295.31
		Administration (5%):		\$14,025.76	\$13,164.77
		Project Cost:		\$294,541.06	\$276,460.08

**Setting Assessment Rates:**

**Storm Sewer:**

CL or CR zoning maximum rate:	\$40.00	per foot
Assessable cost:	\$25,440.13	
Assessable frontage:	838.19	feet
Assessment rate:	\$30.35	per foot

Public hearing rate: \$30.35 per foot

**Street:**

Assessable cost:	\$276,460.08
Assessable frontage:	838.19 LF
Assessment rate:	\$329.83 per LF

Public hearing rate: \$329.83 per foot

**Schedule of Assessments:**

Owner	Address	Tax Key Number	Total Frontage	Storm Sewer Assessable Frontage	Street Assessable Frontage	Storm Sewer Assessment	Street Assessment	Total Assessment	2012 Public Hearing
Sherden Properties LLC	2930 W. College Avenue	10-1-1122-00	225.00	150.00	150.00	\$4,552.69	\$49,474.48	\$54,027.17	\$28,135.62
Stumpf, Leslie	3030 W. College Avenue	10-1-1123-00	369.00	369.00	369.00	\$11,199.62	\$121,707.21	\$132,906.83	\$69,213.63
American Legion Post #38 SC	3220 W. College Avenue	10-1-1127-00	615.02	319.19	319.19	\$9,687.82	\$105,278.39	\$114,966.21	\$99,729.52
			1209.02	838.19	838.19	\$25,440.13	\$276,460.08	\$301,900.21	\$197,078.77

Workbook: College Avenue north frontage road Bluemoundt to Lilas  
Worksheet: Engineer's report  
Disk: w:\Projects\G0006\940664\00\Spreadsheets  
Date: February 23, 2016



February 24, 2016

Town of Grand Chute  
Attn: Tom Marquardt, P.E., DPW  
1900 W. Grand Chute Boulevard  
Grand Chute, WI 54913

Re: Town of Grand Chute  
Contract 2016-09  
Capitol Drive Roadway & Utility Construction  
Letter Of Recommendation  
McM. No. G0006-9-14-00711

On February 23, 2016, bids were received at the Town Hall for the above referenced project. Five bids were received, ranging in price from \$1,086,078.40 to \$1,359,090.75 (bid tabulation enclosed).

Based upon the bids received, we recommend awarding Contract 2016-09 to the low bidder, Dorner, Inc., in the amount of \$1,086,078.40.

If you agree with our recommendation, please date and sign the enclosed Notices of Award, and return all copies to our office for incorporation into the contract documents.

If you have any questions, please feel free to contact me.

Respectfully,

McMAHON

Carl C. Sutter, P.E., CCS  
Senior Vice President

CCS:car

cc: Karen Weinschrott, Clerk – Town of Grand Chute

Enclosures: Notice of Awards (3 copies each)  
Bid Tabulation

**SECTION 00 51 00.00**

**NOTICE OF AWARD**

Dated: \_\_\_\_\_

To: DORNER, INC.  
E506 Luxemburg Road  
P.O. Box 129  
Luxemburg, WI 54217

Contract No. 2016-09

Project: CAPITOL DRIVE ROADWAY & UTILITY CONSTRUCTION  
McM. No. G0006-9-14-00711  
For The TOWN OF GRAND CHUTE | Outagamie County, Wisconsin

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You are notified that your Bid, dated February 23, 2016 for the above Contract has been considered. You are the apparent successful Bidder and have been awarded a Contract for the Capitol Drive Roadway & Utility Construction for the Town of Grand Chute, Outagamie County, Wisconsin.

The Contract Price of your contract is One Million Eighty-Six Thousand Seventy-Eight & 40/100 Dollars (\$1,086,078.40).

You must comply with the following conditions precedent within **15-days** of the date of this Notice of Award, that is by \_\_\_\_\_.

1. You must deliver to the OWNER three (3) fully executed counterparts of the Agreement including all the Contract Documents.
2. You must deliver with the executed Agreement the Contract Security (bonds), as specified in the Instructions to Bidders, General Conditions (Paragraph 5.1) and Supplementary Conditions.
3. You must deliver Insurance Certification complying with the General Conditions and Supplemental Conditions of the Contract Documents.

Failure to comply with these conditions within the time specified will entitle OWNER to consider your Bid abandoned, to annul this Notice of Award and to declare your Bid Security forfeited.

One (1) fully signed counterpart of the Agreement, with the Contract Documents attached, will be returned to you within 15-days after you comply with the above noted conditions.

**TOWN OF GRAND CHUTE | Outagamie County, Wisconsin**

\_\_\_\_\_  
(authorized signature)

\_\_\_\_\_  
(title)

Witness: \_\_\_\_\_

**BID TABULATION**

**Owner:** TOWN OF GRAND CHUTE  
**Project Name:** Capitol Drive Roadway & Utility Construction  
 McM. No. G0006-9-14-00711  
**Contract No.** 2016-09  
**Bid Date:** February 23, 2016  
**Bid Time:** 1:00 p.m., local time | Open 3:00 p.m., local time  
**Project Manager:** Carl C. Sutter, P.E., CCS

**Engineer:** McMAHON  
 1445 McMahon Drive  
 P.O. Box 1025  
 Neenah, WI 54956 / 54957-1025

DORNER, INC.  
 E506 Luxemburg Road  
 P.O. Box 129  
 Luxemburg, WI 54217

DE GROOT, INC.  
 4201 Champion Road  
 Green Bay, WI 54311

ADVANCE CONSTRUCTION, INC.  
 2141 Woodale Avenue  
 Green Bay, WI 54313

CARL BOWERS & SONS  
 CONSTRUCTION CO., INC.  
 N1844 Maloney Road  
 Kaukauna, WI 54130

PTS CONTRACTORS, INC.  
 4075 Eaton Road  
 Green Bay, WI 54311

Item	Qty	Unit	Description	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1.	2,725	L.F.	8 Inch SDR 26 Sanitary Sewer	\$75.00	\$204,375.00	\$72.39	\$197,262.75	\$80.00	\$218,000.00	\$115.00	\$313,375.00	\$133.00	\$362,425.00
2.	170	L.F.	8 Inch Sanitary Sewer	\$50.00	\$8,500.00	\$55.55	\$9,443.50	\$80.00	\$13,600.00	\$95.00	\$16,150.00	\$101.00	\$17,170.00
3.	631	L.F.	4 Inch Sanitary Lateral	\$40.00	\$25,240.00	\$38.01	\$23,984.31	\$78.00	\$49,218.00	\$70.00	\$44,170.00	\$81.00	\$51,111.00
4.	177	V.F.	4 Inch Sanitary Riser	\$75.00	\$13,275.00	\$85.85	\$15,195.45	\$53.00	\$9,381.00	\$80.00	\$14,160.00	\$81.00	\$14,337.00
5.	264.77	V.F.	Sanitary Manhole	\$280.00	\$74,135.60	\$207.80	\$55,019.21	\$272.00	\$72,017.44	\$190.00	\$50,306.30	\$320.00	\$84,726.40
6.	15.45	V.F.	Sanitary Drop Manhole	\$1,900.00	\$29,355.00	\$287.85	\$4,447.28	\$100.00	\$1,545.00	\$210.00	\$3,244.50	\$554.00	\$8,559.30
7.	1	Ea.	Connect 8 Inch Sanitary Sewer to Existing Wet Well	\$4,500.00	\$4,500.00	\$4,545.00	\$4,545.00	\$20,000.00	\$20,000.00	\$1,500.00	\$1,500.00	\$4,233.00	\$4,233.00
8.	55	C.Y.	Rock Excavation	\$0.01	\$0.55	\$151.50	\$8,332.50	\$400.00	\$22,000.00	\$250.00	\$13,750.00	\$242.00	\$13,310.00
9.	3,256	L.F.	12 Inch Water Main	\$45.00	\$146,520.00	\$43.26	\$140,854.56	\$60.00	\$195,360.00	\$55.00	\$179,080.00	\$52.00	\$169,312.00
10.	31	L.F.	8 Inch Water Main	\$117.00	\$3,627.00	\$41.71	\$1,293.01	\$120.00	\$3,720.00	\$80.00	\$2,480.00	\$176.00	\$5,456.00
11.	58	L.F.	6 Inch Hydrant Lead	\$36.00	\$2,088.00	\$38.85	\$2,253.30	\$54.00	\$3,132.00	\$75.00	\$4,350.00	\$81.00	\$4,698.00
12.	6	Ea.	Hydrant with Auxiliary Valve	\$4,700.00	\$28,200.00	\$4,208.34	\$25,250.04	\$4,700.00	\$28,200.00	\$4,600.00	\$27,600.00	\$4,515.00	\$27,090.00
13.	9	Ea.	12 Inch Valve	\$2,925.00	\$26,325.00	\$2,620.95	\$23,588.55	\$2,700.00	\$24,300.00	\$3,200.00	\$28,800.00	\$2,825.00	\$25,425.00
14.	1,079	L.F.	1 Inch Water Service	\$20.00	\$21,580.00	\$34.72	\$37,462.88	\$42.00	\$45,318.00	\$45.00	\$48,555.00	\$38.00	\$41,002.00
15.	25	Ea.	1 Inch Corporation Stop, Curb Stop and Stop Box	\$310.00	\$7,750.00	\$560.15	\$14,003.75	\$500.00	\$12,500.00	\$340.00	\$8,500.00	\$582.00	\$14,550.00
16.	32	Ea.	Remove Culvert	\$150.00	\$4,800.00	\$151.50	\$4,848.00	\$140.00	\$4,480.00	\$200.00	\$6,400.00	\$120.00	\$3,840.00
17.	66	L.F.	72 Inch Corrugated Metal Pipe Culvert	\$205.00	\$13,530.00	\$287.72	\$18,989.52	\$294.00	\$19,404.00	\$170.00	\$11,220.00	\$280.00	\$18,480.00
18.	170	L.F.	24 Inch Corrugated Metal Pipe Culvert	\$42.00	\$7,140.00	\$58.23	\$9,899.10	\$98.00	\$16,660.00	\$47.00	\$7,990.00	\$43.00	\$7,310.00
19.	218	L.F.	18 Inch Corrugated Metal Pipe Culvert	\$37.00	\$8,066.00	\$53.68	\$11,702.24	\$87.50	\$19,075.00	\$44.00	\$9,592.00	\$45.00	\$9,810.00
20.	472	L.F.	15 Inch Corrugated Metal Pipe Culvert	\$33.00	\$15,576.00	\$51.22	\$24,175.84	\$80.00	\$37,760.00	\$41.00	\$19,352.00	\$38.00	\$17,936.00
21.	32	L.F.	12 Inch Corrugated Metal Pipe Culvert	\$31.00	\$992.00	\$43.23	\$1,383.36	\$82.00	\$2,624.00	\$48.00	\$1,536.00	\$36.00	\$1,152.00
22.	10	Ea.	24 Inch Metal Endwall	\$350.00	\$3,500.00	\$243.41	\$2,434.10	\$250.00	\$2,500.00	\$180.00	\$1,800.00	\$250.00	\$2,500.00
23.	14	Ea.	18 Inch Metal Endwall	\$225.00	\$3,150.00	\$205.03	\$2,870.42	\$170.00	\$2,380.00	\$140.00	\$1,960.00	\$206.00	\$2,884.00
24.	34	Ea.	15 Inch Metal Endwall	\$150.00	\$5,100.00	\$186.85	\$6,352.90	\$130.00	\$4,420.00	\$110.00	\$3,740.00	\$187.00	\$6,358.00
25.	2	Ea.	12 Inch Metal Endwall	\$125.00	\$250.00	\$173.72	\$347.44	\$105.00	\$210.00	\$100.00	\$200.00	\$173.00	\$346.00
26.	5,282	L.F.	Pipe Underdrain 6 Inch	\$15.00	\$79,230.00	\$17.83	\$94,178.06	\$20.00	\$105,640.00	\$18.00	\$95,076.00	\$16.00	\$84,512.00
27.	110	L.F.	Pipe Underdrain Unperforated 6 Inch	\$15.00	\$1,650.00	\$21.21	\$2,333.10	\$22.00	\$2,420.00	\$20.00	\$2,200.00	\$16.00	\$1,760.00
28.	12	Ea.	Apron Endwall for Underdrain Reinforced Concrete 6 Inch	\$125.00	\$1,500.00	\$239.37	\$2,872.44	\$136.00	\$1,632.00	\$200.00	\$2,400.00	\$282.00	\$3,384.00
29.	8	Ea.	Connect Underdrain to Corrugated Metal Pipe Culvert or Inlet	\$250.00	\$2,000.00	\$151.50	\$1,212.00	\$140.00	\$1,120.00	\$100.00	\$800.00	\$200.00	\$1,600.00
30.	1	L.S.	Clearing and Grubbing	\$3,500.00	\$3,500.00	\$6,565.00	\$6,565.00	\$11,000.00	\$11,000.00	\$12,000.00	\$12,000.00	\$3,025.00	\$3,025.00
31.	2,630	C.Y.	Excavation	\$9.20	\$24,196.00	\$9.42	\$24,774.60	\$9.00	\$23,670.00	\$10.60	\$27,878.00	\$9.50	\$24,985.00
32.	298	L.F.	Sawcut Asphalt Pavement and Driveways	\$1.80	\$536.40	\$3.03	\$902.94	\$2.00	\$596.00	\$3.50	\$1,043.00	\$2.00	\$596.00
33.	700	S.Y.	Remove Asphalt Driveway	\$1.55	\$1,085.00	\$4.55	\$3,185.00	\$1.50	\$1,050.00	\$5.00	\$3,500.00	\$1.70	\$1,190.00
34.	21	L.F.	Sawcut Concrete Driveway	\$10.00	\$210.00	\$5.05	\$106.05	\$2.60	\$54.60	\$10.00	\$210.00	\$10.00	\$210.00
35.	14	S.Y.	Remove Concrete Driveway	\$6.90	\$96.60	\$9.09	\$127.26	\$6.75	\$94.50	\$20.00	\$280.00	\$7.00	\$98.00
36.	14	S.Y.	Concrete Driveway 6 Inch	\$66.20	\$926.80	\$119.43	\$1,672.02	\$70.00	\$980.00	\$65.00	\$910.00	\$68.00	\$952.00
37.	5	L.F.	Sawcut Curb and Gutter	\$10.00	\$50.00	\$10.10	\$50.50	\$5.00	\$25.00	\$50.00	\$250.00	\$53.00	\$265.00
38.	17	L.F.	Remove Curb and Gutter	\$5.10	\$86.70	\$5.05	\$85.85	\$5.00	\$85.00	\$20.00	\$340.00	\$10.00	\$170.00
39.	17	L.F.	30 Inch Curb and Gutter	\$51.00	\$867.00	\$53.03	\$901.51	\$55.00	\$935.00	\$50.00	\$850.00	\$63.00	\$1,071.00
40.	11	Ea.	Drilled Tie Bars	\$15.30	\$168.30	\$15.91	\$175.01	\$15.00	\$165.00	\$15.00	\$165.00	\$16.00	\$176.00
41.	8,780	S.Y.	Reclaim Asphalt Pavement	\$0.43	\$3,775.40	\$0.44	\$3,863.20	\$1.90	\$16,682.00	\$0.65	\$5,707.00	\$0.45	\$3,951.00
42.	2,768	TON	Salvage Base Course	\$2.55	\$7,058.40	\$5.05	\$13,978.40	\$2.50	\$6,920.00	\$4.60	\$12,732.80	\$2.60	\$7,196.80
43.	1,550	TON	Base Aggregate Open Graded	\$14.25	\$22,087.50	\$12.52	\$19,406.00	\$14.00	\$21,700.00	\$9.00	\$13,950.00	\$14.70	\$22,785.00
44.	640	TON	Aggregate Shoulders	\$16.75	\$10,720.00	\$17.44	\$11,161.60	\$16.45	\$10,528.00	\$20.00	\$12,800.00	\$17.25	\$11,040.00
45.	2,160	TON	Hot Mix Asphalt Pavement Type E-1 (Lower Layer)	\$49.30	\$106,488.00	\$51.33	\$110,872.80	\$48.40	\$104,544.00	\$57.00	\$123,120.00	\$51.00	\$110,160.00
46.	1,230	TON	Hot Mix Asphalt Pavement Type E-1 (Upper Layer)	\$49.30	\$60,639.00	\$51.33	\$63,135.90	\$48.40	\$59,532.00	\$57.00	\$70,110.00	\$51.00	\$62,730.00
47.	970	S.Y.	Asphalt Driveway 4 Inch	\$15.00	\$14,550.00	\$16.09	\$15,607.30	\$19.00	\$18,430.00	\$20.00	\$19,400.00	\$15.50	\$15,035.00
48.	6,179	L.F.	Pavement Marking 4 Inch Epoxy	\$0.25	\$1,544.75	\$0.24	\$1,482.96	\$0.75	\$4,634.25	\$0.50	\$3,089.50	\$0.25	\$1,544.75
49.	47	L.F.	Pavement Marking 12 Inch Epoxy Stop Bar	\$6.10	\$286.70	\$6.36	\$298.92	\$8.50	\$399.50	\$8.00	\$376.00	\$6.30	\$296.10
50.	14	Ea.	Pavement Marking Epoxy Bike Lane Symbol	\$145.00	\$2,030.00	\$148.47	\$2,078.58	\$185.00	\$2,590.00	\$150.00	\$2,100.00	\$147.00	\$2,058.00
51.	14	Ea.	Pavement Marking Epoxy Bike Lane Arrow	\$105.00	\$1,470.00	\$106.05	\$1,484.70	\$125.00	\$1,750.00	\$150.00	\$2,100.00	\$105.00	\$1,470.00
52.	3,421	L.F.	Silt Fence	\$1.90	\$6,499.90	\$2.02	\$6,910.42	\$1.85	\$6,328.85	\$1.50	\$5,131.50	\$2.00	\$6,842.00
53.	110	L.F.	Hay Bale Ditch Check	\$10.20	\$1,122.00	\$25.25	\$2,777.50	\$10.00	\$1,100.00	\$10.00	\$1,100.00	\$11.00	\$1,210.00
54.	3	Ea.	Inlet Protection	\$122.00	\$366.00	\$151.50	\$454.50	\$110.00	\$330.00	\$75.00	\$225.00	\$145.00	\$435.00
55.	6	Ea.	Relocate Sign	\$180.00	\$1,080.00	\$202.00	\$1,212.00	\$85.00	\$510.00	\$100.00	\$600.00	\$180.00	\$1,080.00
56.	20	Ea.	Relocate Mailbox	\$75.00	\$1,500.00	\$202.00	\$4,040.00	\$100.00	\$2,000.00	\$100.00	\$2,000.00	\$120.00	\$2,400.00
57.	14,508	S.Y.	Restoration	\$4.10	\$59,482.80	\$4.35	\$63,109.80	\$4.00	\$58,032.00	\$5.00	\$72,540.00	\$4.30	\$62,384.40
58.	1	L.S.	Traffic Control	\$3,500.00	\$3,500.00	\$5,555.00	\$5,555.00	\$4,500.00	\$4,500.00	\$5,500.00	\$5,500.00	\$3,558.00	\$3,558.00
59.	20	L.F.	Bore and Install Casing Pipe for 12 Inch Water Main	\$410.00	\$8,200.00	\$586.45	\$11,729.00	\$395.00	\$7,900.00	\$600.00	\$12,000.00	\$245.00	\$4,900.00

**TOTAL (Items 1 through 59, Inclusive)** \$1,086,078.40 \$1,124,238.93 \$1,305,682.14 \$1,332,294.60 \$1,359,090.75

Combined Bids Deduct (Contract 2016-07 and 2016-09) \$0.00 \$0.00 -\$5,000.00 \$0.00 \$0.00

Bid Security	10% Bid Bond				
Addendum Acknowledgement	Yes - #1				



**AGENDA REQUEST**  
**3/1/2016**

TOPIC: Staff Vehicle Purchase for Fire Department

<input checked="" type="checkbox"/> New Business <input type="checkbox"/> Unfinished Business <input type="checkbox"/> Reports	Meeting: Town Board
Department Reporting: Fire Department	Submitted By: Fire Chief Timothy Bantes

**ISSUE:** Shall The board authorize the Fire Department to purchase a 2016 Fleet/Non-Retail Chevrolet Tahoe 4WD in the amount of \$37,532.00. This is a budgeted item.

**BACKGROUND/ANALYSIS:** The department will utilize this vehicle daily for the Assistant Chief as a staff car and as part of the Duty Chief program. This vehicle will replace a 2013 Chevrolet 2500 Silverado that will be converted into the department's alternate response vehicle that will be assigned to Fire Station #2.

The Chevrolet Tahoe was selected in the continued effort to standardize our fleet with the Police Department and DPW.

Department of Public Works Shop Foreman Velie utilized the state bidding process to obtain purchasing options and pricing.

**RECOMMENDATION:** The department recommends the purchase of the 2016 Fleet/Non-Retail Chevrolet Tahoe 4WD in the amount not to exceed \$37,532.00

**FISCAL IMPACT:**      BUDGET

The Fire Department budgeted \$38,500 in its 2016 capital budget for this vehicle, vehicle graphic's and emergency lighting.

**ATTACHMENTS:**





**AGENDA REQUEST**  
**3/1/2016**

TOPIC: Fire Department Alternate Response Vehicle Program

<input checked="" type="checkbox"/> New Business <input type="checkbox"/> Unfinished Business <input type="checkbox"/> Reports <input type="checkbox"/> Closed Session <input type="checkbox"/> Ordinance/Resolution	Meeting: Town Board
Department Reporting: Fire Department	Submitted By: Fire Chief Timothy Bantes

**ISSUE:** Provide the Town Board an update on the Fire Department Emergency Medical Service Alternate Response Vehicle Program and approve the 2016 capital budget items associated with the program.

**BACKGROUND/ANALYSIS:** The purpose of this attached document is to provide an update to the Town Board pertaining to incident response data collected after the budget hearings held in October of 2015. The data was analyzed and is presented in the same manner which was utilized during the budget work session presentation, and serves to validate the justification used to implement the Alternate Response Vehicle Program

**RECOMMENDATION:** The Fire Department Administration recommends approval of the Alternate Response Vehicle Program.

**FISCAL IMPACT:**    CIP  
 The equipment expense associated with the implementation of this program totals \$38,500 to procure the replacement staff vehicle. The personnel expenses to provide staffing for the program total \$76,282 representing the costs for two additional career firefighters (\$38,141 respectively). The addition of these two firefighter positions is expected to have an impact on reducing overtime expenses by allowing flexibility to redistributing personnel to absorb staffing shortages resulting from vacation and sick leave usage. Additional savings is anticipated as a result of reduced vehicle maintenance costs on engine company apparatus.

**ATTACHMENTS:** Emergency Medical Services Operations Update



# *GRAND CHUTE FIRE DEPARTMENT*

## **EMERGENCY MEDICAL SERVICES OPERATIONS UPDATE**



*2250 Grand Chute Boulevard  
Grand Chute, Wisconsin 54913  
(920) 832-6050*

*“Protecting the lives, property, and environment for the community we serve through efficient, effective emergency response activities and proactive risk reduction services.”*

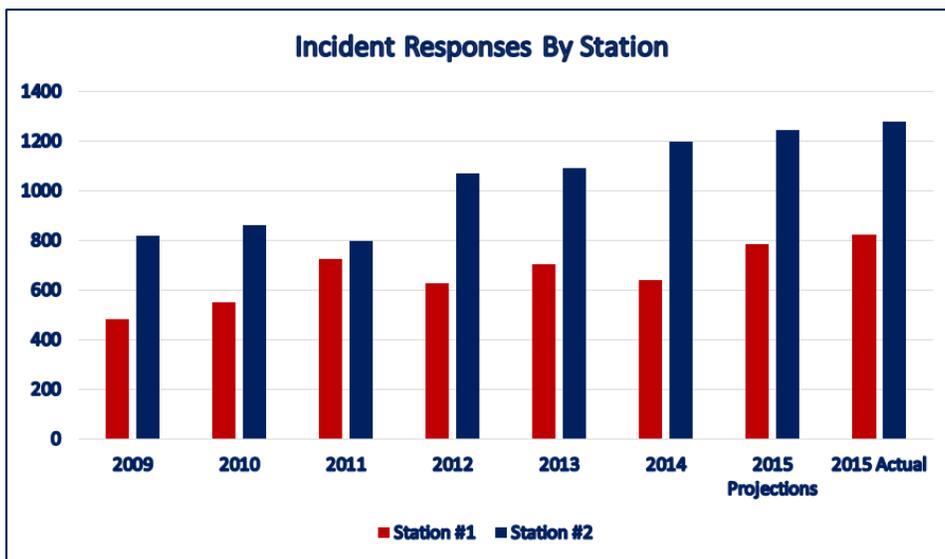
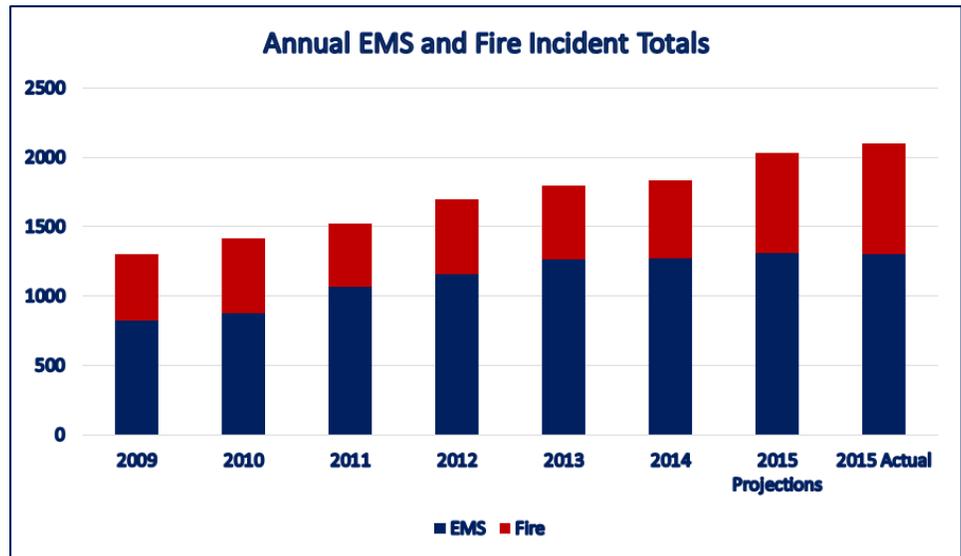
## Introduction

The purpose of this document is to provide an update to the governing body pertaining to incident response data collected after the budget hearings held in October of 2015. The data was analyzed and is presented in the same manner which was utilized during the budget work session presentation, and serves to validate the justification used to implement the Alternate Response Vehicle program.

## 2009 to 2015 Incident Data Analysis Update

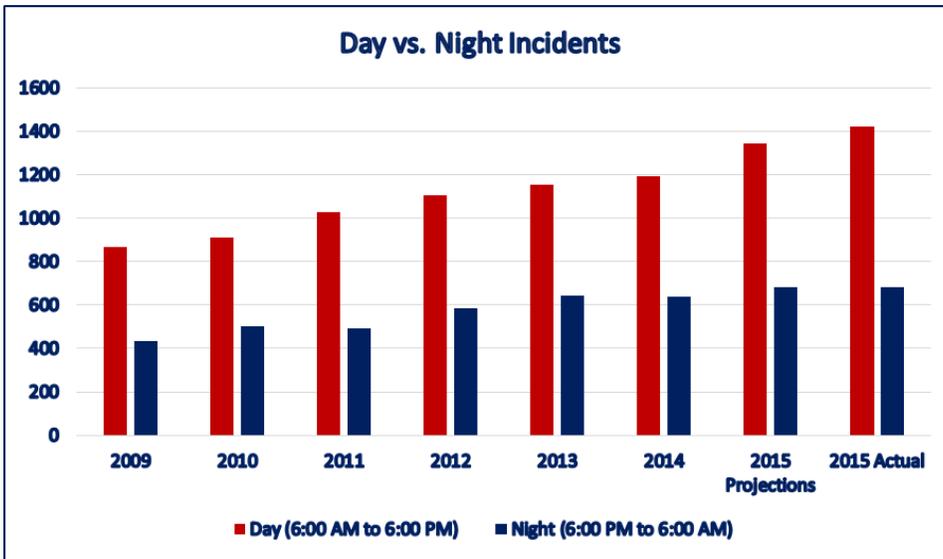
As previously presented, the steady increase in service demand over the past six years is illustrated by the graphical representation below. In 2015 we responded to 2102 emergency calls for service, representing an increase of 803 incidents, or more than 60 percent when compared to the 2009 figures.

Based on year-to-date totals and historical data corresponding to the remaining months of the year at the time of our budget work session presentation, we projected the total number of incidents in 2015 to exceed 2000. **Our actual 2015 response totals exceeded our projections by more than 100 calls for service, representing an increase of 267 incidents, or approximately 15 percent when compared to 2014 data.**



Incident responses by station remained consistent with overall data trending and comparisons over the same time period as illustrated to the left. Fire Station #2's proximity to the Fox River Mall and Retail Corridor continues to lend itself to a higher number of responses due to the high-volume population surge associated with employees and patrons of the shopping district.

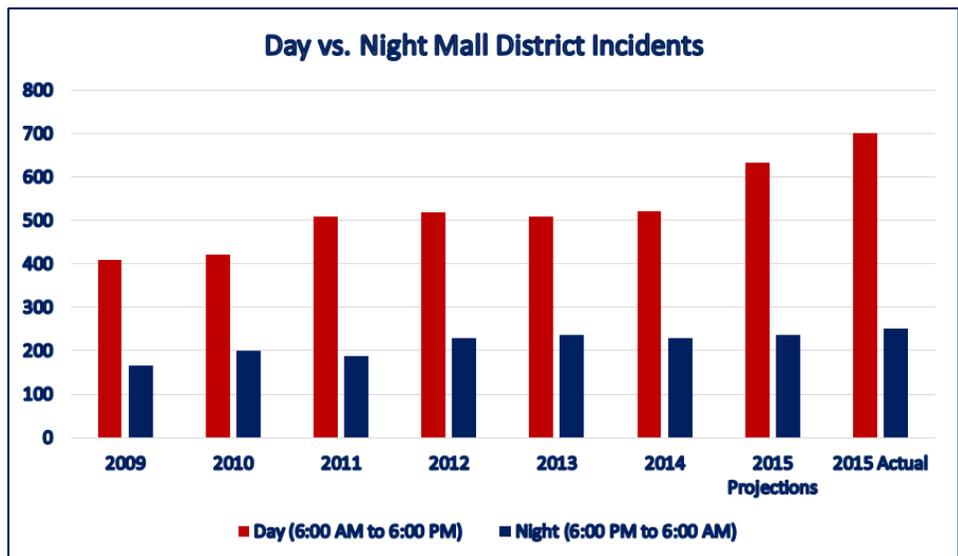
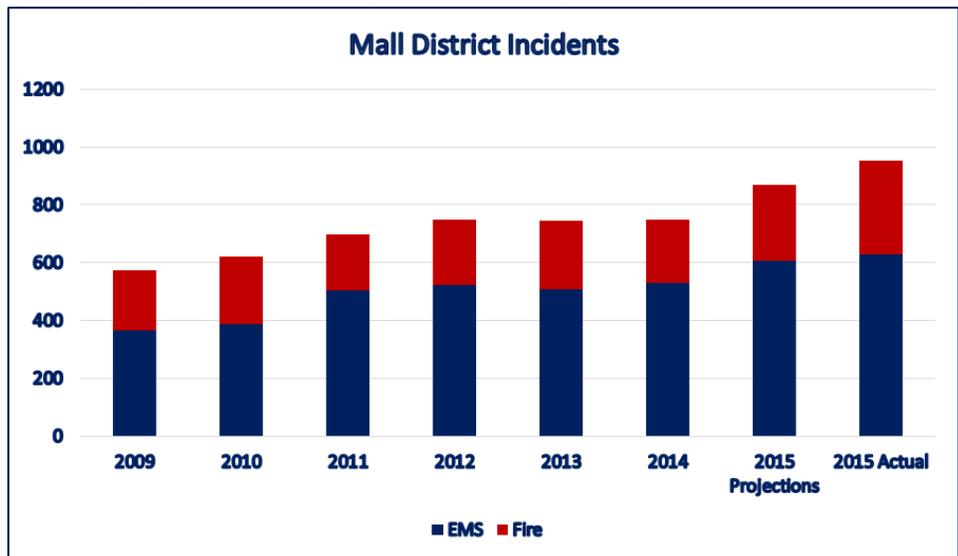




Examination of the time of day associated with incident occurrence continues to demonstrate a significantly increased utilization of emergency service resources during the “day shift” hours of 6:00 AM to 6:00 PM, as illustrated in the figure to the left. In 2015 we responded to 1422 “daytime” incidents which represented 68 percent of

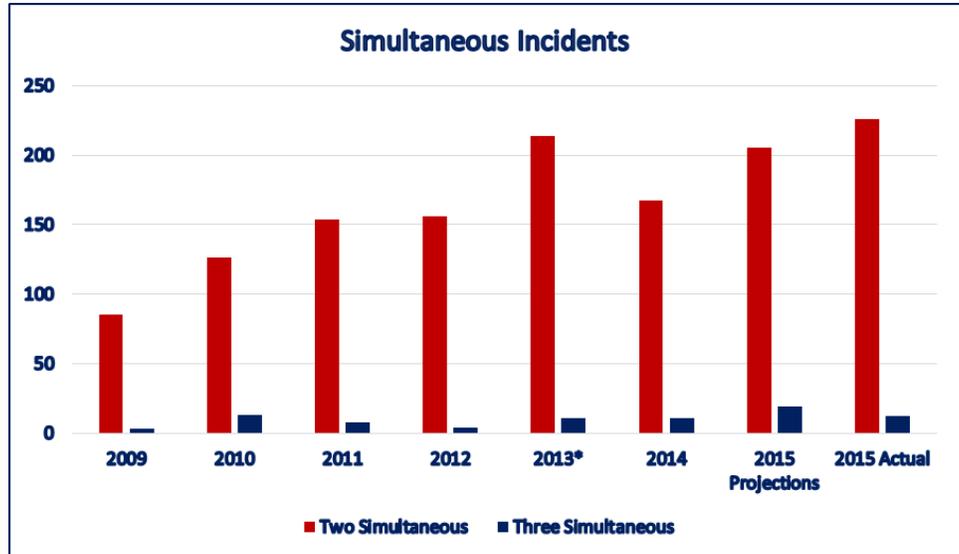
our total calls for service. **“Daytime” responses increased by 227 when compared to 2014 data, accounting for 85 percent of the total increase in annual calls for service observed in 2015.**

The population surge associated with the Fox River Mall continues to disproportionately tax emergency response resources, as illustrated to the right. In 2015 this geographic area generated 953 incidents which accounted for 45 percent of our total calls for service. This represents an increase of 203 incidents from 2014. **Further analysis reveals that these 203 additional “Mall District” incidents accounted for 76 percent of the 267 calls which comprised the total increase in responses in 2015.**



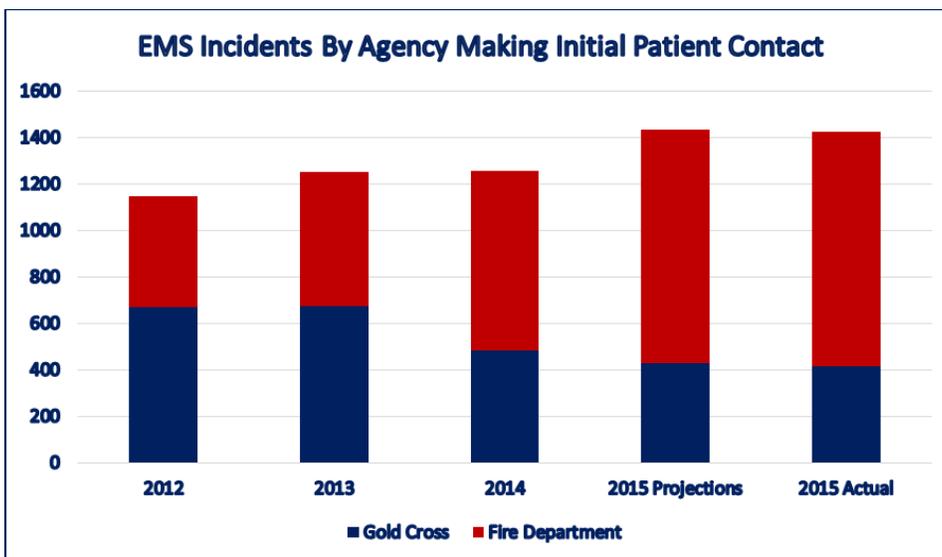
## EMS Operations Update

An additional upward trend continues to be observed in the number of incidents occurring simultaneously. Multiple incidents which take place during the same time period have the potential to overload the capabilities of available resources, leaving the town unprotected should additional emergencies occur. The figure to the right (*\*2013 Outlier Data Representative of Storm Response*) illustrates the increasing number of instances which require the commitment of all of our available resources during simultaneous calls for service, inhibiting our ability to respond to additional incidents in the expeditious manner our customers have come to expect.



illustrates the increasing number of instances which require the commitment of all of our available resources during simultaneous calls for service, inhibiting our ability to respond to additional incidents in the expeditious manner our customers have come to expect. **In 2015 we responded to 226 simultaneous incidents, representing an increase of 59 incidents, or 35 percent when compared to the 2014 totals.** Simultaneous incidents typically result in “all-call” notifications and additional overtime and personnel expenditures.

Fire Personnel continue to play a critical role in the tiered EMS response system. **Our rapid deployment of resources facilitates the initiation of patient care prior to the arrival of the ambulance, a situation which occurred for more than 70 percent of the total EMS responses in 2015** as illustrated below. This represents a 10 percent increase when compared to 2014 data. Further analysis reveals that **the fire department was on scene providing care for more than four minutes prior to the arrival of the**



**ambulance for approximately 34 percent of EMS calls for service for 2015.** Gold Cross continues to acknowledge the valuable service that our agency, and others like us provide, boasting their support of 26 first responder organizations representing every community in which they serve.



### Alternate Response Vehicle: Increasing EMS Efficiency

Based on the historical data trends coupled with the accuracy of our projected service demand increases, we believe **the implementation of an “alternate response vehicle” program staffed by two personnel during the hours of 6:00 AM to 6:00 PM will result in increased EMS response efficiency during high demand time periods, while also reducing EMS call volume through the initiation of the proactive Community EMT Pilot Program.**

#### Increase Response Efficiency During “Peak Demand” Hours By:

- Handling daytime EMS responses in identified high volume areas
- Utilizing a smaller, fuel-efficient, and generally more cost-effective vehicle staffed by two personnel
- Reducing wear and subsequent maintenance costs on engine company apparatus
- Increasing availability of apparatus and personnel to handle fire-related and subsequently received simultaneous incidents

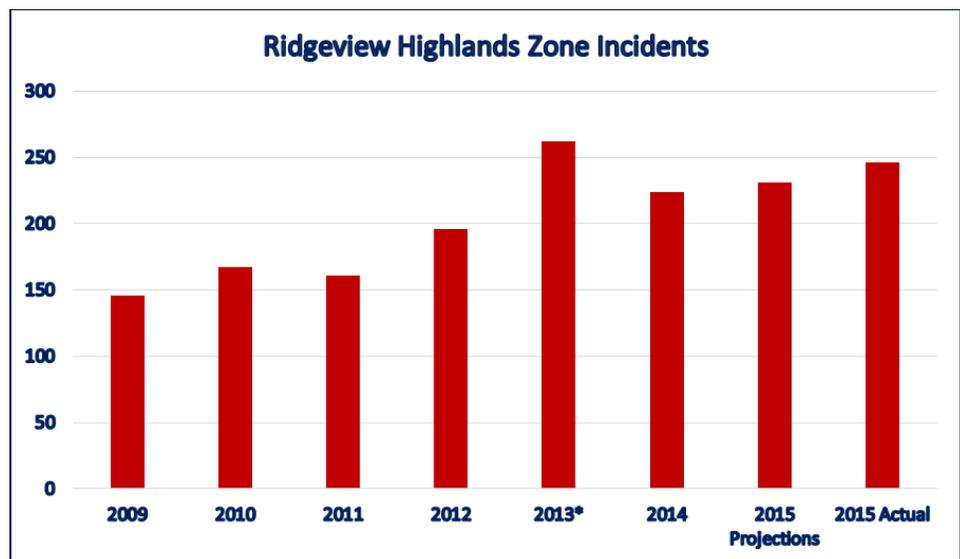
#### Proactively Reduce EMS Call Volume By:

- Utilizing alternate response vehicle and staff for “Community EMT” Pilot Program
- Conducting voluntary home visits with identified high-volume system utilizers
- Performing home safety inspections and fall prevention assessments
- Monitoring vital signs and medication compliance
- Assisting with referrals to appropriate services and agencies
- “Fire Prevention” for EMS calls

### Reducing EMS Call Volume: The Community EMT Program

In addition to EMS incident response, the alternate response vehicle will be utilized to proactively reduce the EMS call volume within our community. Initially, this program will be implemented on a trial basis working with the residents of Ridgeview Highlands who have been identified as frequent users of emergency services as

illustrated to the right (*\*2013 Outlier Data Representative of Storm Response*). Participation in this program would be voluntary, and would involve scheduled visits from fire personnel in order to address common factors associated with calls for service originating from the area including falls, medication compliance, as well as fire alarms and other



preventable issues which often result in emergency responses. **With falls representing 36 percent of the EMS responses in this area during 2015, we believe these proactive efforts will reduce these preventable incidents which place added strain on the emergency response system, and often lead to a deterioration in quality of life for the patient.**



### Summary

While staffing the alternate response vehicle during the daytime hours will not completely eliminate fire apparatus responses to EMS incidents, the previously presented data analysis supports the idea that it will be instrumental in reducing them. This reduction will result in decreased maintenance costs associated with wear sustained by fire apparatus subject to high-volume EMS response. Additionally, fire apparatus and personnel will remain available to respond to more resource-rich fire and rescue related incidents, as well as any subsequent calls received while the alternate response vehicle is committed. This model will allow for the system to absorb the demand generated by a multi-unit incident, or two simultaneous single-unit incidents, thus maintaining the ability to provide timely response coverage for any additional calls.



TOWN OF GRAND CHUTE  
BOARD OF SUPERVISORS  
(OUTAGAMIE COUNTY, STATE OF WISCONSIN)  
RESOLUTION 5 - SERIES OF 2016

Morrison Street Reclamation  
(First Avenue to Capitol Drive)

PRELIMINARY RESOLUTION DECLARING INTENT TO EXERCISE SPECIAL ASSESSMENT POWERS UNDER CHAPTER 66, POLICE POWERS, WIS. STATS., 2013-14 AS AMENDED.

BE IT RESOLVED by the Town Board of Supervisors of the Town of Grand Chute, Outagamie County, Wisconsin as follows:

1. The Town Board of Supervisors hereby declares its intention to exercise its powers under Section 66.0703(1)(b), Wis. Stats., 2013-14 as amended, to levy special assessments upon property within the following area as described and shown on Exhibit "A" for benefits conferred upon such property by improvement of the following:
  - I. Improvements
    - A. Street Reclamation
  - II. Location of Improvement  
Located in Section 14, T21N, R17E
2. The total amount assessed against such improvements shall not exceed the total cost of the improvements. The Town Board determines that such improvements shall be made under the police power, and the amount assessed against each parcel shall be on a cost per front foot, area, or unit cost basis.
3. The assessments against any parcel may be paid in cash or in the number of installments to be determined at the Public Hearing on the proposed assessments and according to the Final Resolution of the Town Board.
4. The Town Board/Engineer is directed to prepare a Report consisting of:
  - I. Plans and specifications of said improvements
  - II. A summary of the entire cost of the proposed improvements
  - III. A schedule of proposed assessments showing the properties, which are benefited by the work or improvement

Upon completing such report, the Town Board/Engineer is directed to file a copy thereof in the Town Clerk's Office for public inspection.

5. Upon receiving the report of the Town Board/Engineer, the Town Clerk is directed to give notice of a public hearing on such report as specified in Section 66.0703(7), Wisconsin Statutes. The hearing shall be held at the Grand Chute Town Hall at a time set by the Town Clerk in accordance with Section 66.0703(7), Wisconsin Statutes.

Passed and approved this \_\_\_\_\_ day of \_\_\_\_\_, 2016

TOWN OF GRAND CHUTE

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By: David A. Schowalter  
Town Chairperson

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By: Karen L. Weinschrott  
Town Clerk

# EXHIBIT A

## ASSESSMENT AREA DESCRIPTION:

All of Lots 13 thru 22 of Geo. Grimmer Subdivision, all of Lots 23 thru 33 of Geo. Grimmer 2nd Subdivision, all of Lots 1 thru 18 and a part of Lots 19 & 20 of Northland Plat, all of Lots 14 thru 23 and a part of Lots 13 & 24, Block 5 of Northland Plat 2nd Subdivision, all of Lot 3 of Certified Survey Map No. 6342 as recorded in Volume 37 of Certified Survey Maps on Page 6342 as Document No. 1924077 and a part of the Southwest 1/4 of the Southeast 1/4 and the Northwest 1/4 of the Southeast 1/4, all in Section 14, Township 21 North, Range 17 East, Town of Grand Chute, Outagamie County, Wisconsin containing 21.8 acres of land more or less and described as follows:

Beginning at the Northwest corner of Lot 1 of Northland Plat; thence Easterly, 202.58 feet along the North line of said Lot 1 to the Northeast corner thereof; thence Easterly, 66.00 feet to the Northwest corner of Lands described in Document No. 1725794; thence Easterly, 101.29 feet along the North line of said Lands to the Northeast corner thereof; thence Southerly, 125.34 feet along the East line of said Lands to the Southeast corner thereof; thence Easterly, 101.26 feet along the North line of Lot 23, Block 5 of said Northland Plat 2nd Subdivision to the Northeast corner thereof; thence Southerly, 1000.00 feet along the East line of Lots 14 thru 23, Block 5 of said Northland Plat 2nd Subdivision to the Southeast corner of said Lot 14; thence Westerly, 101.26 feet along the South line of said Lot 14 to the Northeast corner of Lands described in Document No. 1615962; thence Southerly, 159.20 feet along the East line of said Lands and its Southerly extension to the centerline of Florida Avenue; thence Easterly, 79.01 feet along said centerline to the Northerly extension of the East line of Lots 23 thru 33 of Geo. Grimmer 2nd Subdivision; thence Southerly, 867.75 feet along said Northerly extension and said East line of Lots 23 thru 33 of Geo. Grimmer 2nd Subdivision to the Southeast corner of said Lot 33; thence Westerly, 180.25 feet along the South line of said Lot 33 to the Southwest corner thereof; thence Westerly, 66.00 feet to the Southeast corner of Lot 3 of said Certified Survey Map No. 6342; thence Westerly, 152.58 feet along the South line of said Lot 3 to the Southwest corner thereof; thence Northerly, 84.75 feet along the West line of said Lot 3 to the Northwest corner thereof; thence Westerly, 50.00 feet along the South line of Lot 13 of Geo. Grimmer Subdivision to the Southwest corner thereof; thence Northerly, 780.00 feet along the West line of said Lots 13 thru 22 of said Geo. Grimmer Subdivision and its Northerly extension to the centerline of Florida Avenue; thence Easterly, 101.29 feet along said centerline to the Southerly extension of the West line of Lands described in Document No. 1978374; thence Northerly, 142.50 feet along said Southerly extension and the West line of said Lands to the Northwest corner thereof; thence Westerly, 101.25 feet along the North line of Lands described in Document No. 1241116 to the Northwest corner thereof; thence Northerly, 1142.00 feet along the West line of Lots 1 thru 19 of said Northland Plat to the Point of Beginning.

The above description shall be used for assessment purposes only.

PAGE 1 OF 3

**McMAHON**  
ENGINEERS ARCHITECTS

Project No. G0006 9-16-00130.00 Date FEB. 2016 Scale \_\_\_\_\_

Drawn By CWK Field Book \_\_\_\_\_ Page \_\_\_\_\_

1445 McMAHON DRIVE NEENAH, WI 54956  
Mailing: P.O. BOX 1025 NEENAH, WI 54957-1025  
Tel: (920) 751-4200 Fax: (920) 751-4284

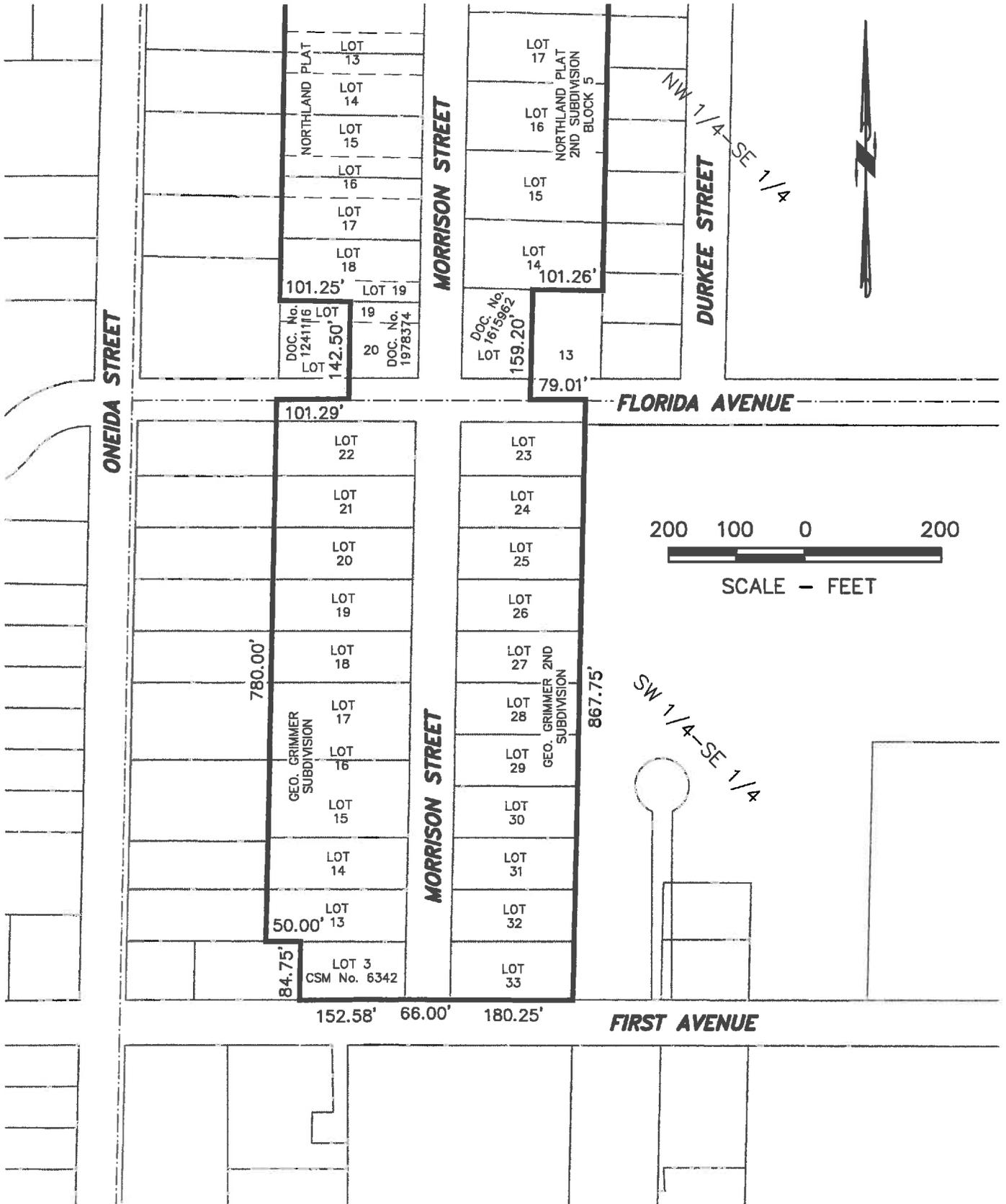
File No.

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# EXHIBIT A

SEE  
PAGE 2

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PAGE 3 OF 3

**McMAHON**  
ENGINEERS ARCHITECTS

Project No. G0006 9-16-00130.00 Date FEB., 2016 Scale 1"=200'  
 Drawn By CWK Field Book          Page           
 1445 McMAHON DRIVE NEENAH, WI 54956  
 Mailing: P.O. BOX 1025 NEENAH, WI 54957-1025  
 Tel: (920) 751-4200 Fax: (920) 751-4284

File No.

# EXHIBIT A

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