

#### **Utility Permit**

					Public Improvement IDOT Permit No.	□ Yes ⊠ No 8-30324	
					Utility Reference No.	170-2323	
l (We)	City of C	ollinsville	, s		125 South Cent	er Street	
	Name of Applicant				Mailing Ad	Mailing Address	
	<u>Collinsville</u>		IL 622: State &		, hereinafter	termed the Permittee,	
request per	mission and authority to oc	cupy, and to			ibed on, the right-of-way	y of the State highway	
known as	Collinsville Road (F	AU 9128)	, Section		28-R-1		
from	Sta. 359+00	_ to	Sta. 360+00	in	Madison	County.	

The work is described in detail below and/or on the attached sketch or plans.

Refer to the attached drawings. Installations for a new water treatment facility.

#### NO PAVEMENT OR DRAINAGE TO BE DISTURBED.

This permit covers the operation and presence of specified equipment, material or facility on the right-of-way that may be related to the authorized work. A copy of this permit must be present when crews or equipment occupy highway right-of way. Failure to comply may result in the cessation of all construction.

This permit is subject to conditions and restrictions of Part 530 of Title 92 of the Illinois Administrative Code, Accommodation of Utilities on Right-of-Way of the Illinois State Highway System. The removal, relocation or modification of facilities permitted to occupy the right-of-way is governed by Section 9-113 of the Illinois Highway Code, as amended by Public Act 92-0470. The Permittee agrees to comply with the requirements of these laws and with all terms and conditions established by this permit. This permit is subject to revocation by the Department on violation of the terms and conditions governing its use.

—	Signature of Agent for	Permittee	Date
	City of C	Collinsville	
	Name of Permit	tee (Print or Type)	
	125 South	Center Street	
	Mailing	Address	
	Collinsville	IL 62	234
	City	State	Zip
The work authorized by this permit shall be completed by08/01/18 the Department, otherwise the permit will be considered null and void.	/	after the date of	approval by
Public Improvement Projects only: The anticipated letting date is			
This permit allowing occupancy and work on state right-of-way is approved by the Department in the area covered by this permit is <u>District 8</u>	oved. The Utility Coordinati	on Council esta	blished
Department of Transpo	ortation	Da	ate

This permit is subject to the conditions and restrictions established in accordance with the Illinois Highway Code and Part 530 of Title 92 of the Illinois Administrative Code including but not limited to the following:

- The applicant represents all parties in interest and shall furnish material, do all work, pay all costs and shall in a reasonable length of time restore the damaged portions of the highway to a condition similar or equal to that existing before the commencement of the described work, including any landscape restoration necessary. (See Section 530.250 of Title 92).
- The proposed work shall be located and constructed to the satisfaction of the Regional Engineer or his duly authorized representative. No revisions or additions (2) shall be made to the proposed work on the right-of-way without the written permission of the Regional Engineer or his duly authorized representative (See Section 530.200 of Title 92). In certain circumstances the Department may require that the construction plans and/or the as-built documents be sealed by an Illinois Registered Professional Engineer. Typical of such projects would be petroleum or gas pipelines.
- (3) The applicant shall at all times conduct the work in such a manner as to minimize hazards to vehicular and pedestrian traffic. All signs, barricades, flaggers, etc., required for traffic control shall be furnished by the applicant. (See Section 530.240 of Title 92).
- (4) The applicant must ascertain the presence of Highway Authority Agreements established in accordance with 35 Ill. Admin. Code Section 742.1020 in the path of its proposed installation and take precautions to protect its workers, human health and the environment in those areas. (See Section 530.240 of Title 92). Where contamination is encountered through excavation in the ROW, it should be managed offsite and IDOT's generator number for the appropriate county may be used.
- (5) The applicant shall not trim, cut or in any way disturb any trees or shrubbery along the highway without the approval of the Regional Engineer or his duly authorized representative. (See Section 530.600 of Title 92).
- (6) The facilities authorized to occupy the right-of-way by this permit are subject to removal, relocation or modification by the permittee at no expense to the State on notice given by the Department in accordance with Section 9-113 of the Illinois Highway Code, as amended. Participation by the permittee in the UTILITY Coordination Council identified on page one of this permit is required as a condition of this permit. Permittee shall cooperate with the Department with the scheduling of any removal, relocation or modification deemed necessary for highway or highway safety purposes, and, if Utility Coordination Council participation is required by this permit, with the activities of the council identified on the first page of this permit. (See Section 9-113 of the Illinois Highway Code.) Use of and compliance with current IDOT Traffic Control Standards will be required.
- If the applicant and the District cannot agree either on whether the permit should be issued or on what conditions would be appropriate, the applicant may, within (7) 30 days of the issuance of written notice of the District's position, appeal the District's determination to the Chief of the Department's Central Bureau of Operations. (See Section 530,900 of Title 92).
- (8) The permittee agrees to fully comply with the following legal obligations in advance of entering and while upon any Right-of-way within the Illinois State Highway System.
  - a) Only a permit issued by the Department under this Part will satisfy the "written consent" requirement of Section 9-113 of the Illinois Highway Code (the Code).
  - b) A permit from the Department grants a license only to undertake certain activities in accordance with this Part on a State right-of-way, and does not create a property right or grant authority to the permittee to impinge on the rights of others who may have an interest in the right-ofway. Such others might include an owner of an underlying fee simple interest if the right-of-way is owned as an easement or dedication of right of way, an owner of an easement, or another permittee.
  - c) It shall be the responsibility of the permittee to ascertain the presence and location of existing above-ground or underground facilities on the highway right-of-way to be occupied by their proposed facilities. The Department will make its permit records available to a permittee for the purpose of identifying possible facilities. When notified of an excavation or when requested by the Department, a permittee shall locate, physically mark, and indicate the depth of its underground facilities within 48 hours excluding weekends and holidays.
  - The permittee shall avoid conflicts with any existing underground or above-ground facilities on or near the highway right-of-way. Both the d) Department and J.U.L.I.E. are to be contacted for assistance during the application process. The permittee shall comply with all other applicable laws relating to the placement of utility lines.
  - e)
  - The issuance of a utility permit by the Department does not excuse the permittee from complying with any existing statutes, local regulations or requirements of other Department (e.g., oversize and overweight vehicles) or the requirements of other State agencies including, but not limited to, the following:
    - Illinois Commerce Commission, Illinois Department of Agriculture
    - Illinois Department of Natural Resources, Illinois Department of Mines and Minerals
    - Illinois Environmental Protection Agency, Illinois Historic Preservation Agency
  - Rights of abutting and underlying property owners are protected by common law and Sections 9-113 and 9-127 of the Code. The permittee g) will address these rights prior to initiating activities on State right-of-way. The Department will not be a party in any negotiations between the utility and abutting property owners.
  - h) In no case shall the permit give or be construed to give an entity any easement, leasehold or other property interest of any kind in, upon, under, above or along the State highway right-of-way. Each person responsible for a utility, in place on the effective date of this Part, on a State highway right-of-way shall notify the Department in
  - i) writing, if that facility does not comply with this Part. The Department shall treat such a notice as a request for a variance under Section 530.130. Until informed that a variance will not be granted, a person responsible for a pre-existing utility will not be in violation of this Part. The failure to provide such notice constitutes a violation of this Part and of the utility accommodation permit (if any) and would justify the imposition of the sanctions set forth in Section 530.810.

Work to be coordinated w	ith Department Representatives:			
Paula Lehm	ann	Phone	618 346-3170	
			Phone	( )
Utility Contact Person:	Scott Hunt (Hurst-Rosche, Inc.)		Phone	217) 532-3959
Work to be done by:				(618) 610-1659
Contractor:				
Daytime Phone:	( )	Emergency Phone:	( )	
Traffic control operation:				
Number of lane cl	osures:	Time of closures:	<u> </u>	

#### DISTRICT 8 UTILITY PERMIT SHEET APPLICABLE TO PERMIT NO. 8-30324

Attached is a copy of TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES HIGHWAY CONSTRUCTION AND MAINTENANCE Standard No.(s) 701001-02 & 701006-05. These Standards are being attached to aid you in selecting the correct Application of Traffic Control to meet the conditions of your construction and does not relieve you of your responsibility of having the correct Traffic Control Devices if the above Standards do not fit your situation. If you have any questions concerning Traffic Control, please contact IDOT's Traffic Control Technician, Phone No. 618-346-3287, or the Department Representative.

The STATE OF ILLINOIS, DIVISION OF HIGHWAYS, shall in no way be held liable for any accidental breakage or damage to any installations that are installed within the State's right-of-way due to any maintenance work or operations of the DIVISION.

The applicant will be responsible for determining location of and protecting all State-owned facilities including buried facilities (such as Culverts, Storm Sewer Drainage, Traffic Signal Conduits, Lighting Conduits) and will be responsible for the cost of repair or replacement of any such facilities damaged as a result of the work covered herein.

Clean-up of the State's right-of-way shall immediately follow construction operations as the job progresses; and, shall not be left until all construction is completed. Maintenance of trenches, filling of settlement, cleaning out eroded dirt from highway ditches and drainage structures shall be a continuous operation. Upon completion of the work covered by this permit, final grading, reseeding, resodding, or any other requirements to restore the right-of-way to a condition equivalent to that which existed prior to the commencement of work shall be completed.

The water main & electric conduit installation under conventional highways shall be installed by means of boring at a minimum depth of 36 inches below the elevation of the bottom of roadway pavement and/or flow lines of ditches. The minimum length of bore shall extend a distance of 10' beyond the outer edges of the highway pavement or as otherwise specified by IDOT's Utility Permit Technician.

The water main & electric conduit installation shall maintain a minimum depth of 36 inches.

Work shall be carried on in such a manner that traffic shall have full and unobstructed use of the pavement since actual construction work does not involve work in the traffic lanes.

Immediately following the described work, all excavation within the limits of the highway right-of-way shall be completely backfilled. The backfill shall be placed in layers of not over 6" each layer to be firmly tamped into place.

The Department is not a member of JULIE and does not locate its own facilities (such as underground conduit and/or cable for traffic signals or highway lighting). The applicant, at his/her own expense, must obtain the services of a qualified electrical contractor to locate such state-owned facilities.

Underground utility crossings without encasement will preclude future maintenance or repair in the area under the roadway and/or between ditch lines or toes of slopes.

This permit is issued only with the express understanding that the permittee has obtained any required authority for the said installation from the Environmental Protection Agency in accordance with the Environmental Protection Act.

Longitudinal utilities shall be located as near the right-of-way line as practicable and not more than (8) feet from and parallel to the right-of-way line.

The issuance of this utility permit by the Department does not excuse the permittee from obtaining the necessary approvals from the Corps of Engineers, Division of Waterway, Department of Public Health, and any other property owner, municipality, or agency that may be involved or have concerns with this procedure.

It is the applicants responsibility to keep all vegetation cut to a reasonable height around all of their above ground facilities within State right-of-way.

All exposed facilities, such as pedestals, manholes, end sections, monitoring wells, valves and/or meters, within State right-of-way should be clearly marked to avoid conflicts for the State's Maintenance work.

All tree trimming and removal must be approved by the State's Landscape Architect, (618) 346-3286 or (618) 394-2188, and the Adjacent Property Owners.

All debris, cuttings and/or tree limbs shall be removed from State rights-of-way, and the work area must be left in a safe and presentable condition at the end of each workday.

July 25, 2016



SUBJECT: Collinsville Water Treatment Plant City of Collinsville Collinsville, Madison County, IL

re: HR: 170-2323

Hurst-Rosche, Inc. James W. Roth, PE, PLS President

Region 5/District 8 Mr. Jeffrey Keirn, P.E. **Region 5 Engineer** Illinois Department of Transportation 1102 Eastport Plaza Drive Collinsville, Illinois 62234

Attention: Ms. RuAnna Stumpf

Dear Mr. Keirn:

Our firm is assisting the City of Collinsville in the design of a new water treatment facility which is slated to replace their existing facility upon completion. Both the existing and proposed facilities are located along Collinsville Road (FAU 9128) approximately 0.4 miles east of its intersection with Interstate 255. The current water treatment facility sits to the south of Collinsville Road and the proposed facility will be located directly north (refer to the enclosed location maps).

As part of the proposed improvements north of Collinsville Road, the City requires utility crossings of this roadway to extend water piping and control conduit to the new plant, connecting to the existing location to the south. Four (4) crossings of Collinsville Road are currently planned between Stations 359+00 and 360+00, three (3) of which will require jacking and boring.

Award of the contract to construct the new water treatment plant is expected early next year, with an 18 month construction completion to follow. As such, it is anticipated that utility crossings will be completed between February 2017 and August 2018.

Find enclosed for your review three (3) copies of the following documents:

- Location Maps
- OPER 1113 (Utility Permit Application)
- Select Plan Sheets

Please review the enclosed documents and provide comments or concurrence on the proposed utility crossings.

If you have any questions or require additional information, please contact our office.

Sincerely,

Scott Hunt, PE Branch Manager

1400 E. Tremont St. Hillsboro, IL 62049

(t) 217.532.3959

HURST-ROSCHE, INC.

Scott L. Hunt, P.E.

SLH:Iw

Enclosures

cc w/enclosure: Mr. Dennis Kress, City of Collinsville

hurst-rosche.com

### Lehmann, Paula M

From: Sent: To: Subject: Lehmann, Paula M Tuesday, September 13, 2016 8:54 AM 'Scott Hunt' RE: Collinsville WTP - HR: 170-2323

#### http://www.ilga.gov/commission/jcar/admincode/092/092005300E05000R.html

Above is the link to the Accommodations Manual. Below is a section from the manual with the boring and jacking specifications. Your plan sheet C5.3 shows that you are following the minimum of 10' from edge of pavement (i.e. edge of paved shoulder) for your receiving pit with shoring location, but the utility crossing profile sheet C9.1 should be more specific as to the receiving pit location from edge of paved shoulder.

Craig Poettker, from our Bureau of Operations, asked if there was any way you could case through the flowline of the ditches. If that is not possible you must follow the Accommodations Manual guidelines.

#### Section 530.500 Construction Methods for Utility Installations

- a) Utility facilities shall be installed in a Department approved manner, as defined in Section 530.30. Compliance with this Section does not necessarily constitute compliance with relevant rules of other State agencies such as the ILCC rules entitled "Construction of Electric Power and Communication Lines" (83 Ill. Adm. Code 305) and applicable Environmental Protection Agency regulations.
- b) Boring or Jacking
  - Boring or jacking under State highways shall be accomplished from pits located a minimum of 30 feet from the edge of pavement on fully access-controlled highways and at a distance of ten feet plus the depth of the pit without shoring on conventional highways. If shoring is used, the pits shall be located a minimum of ten feet from the edge of pavement on conventional highways. The shoring shall be designed, erected, supported, braced, and maintained so that it will safely support all vertical and lateral loads that may be imposed upon it during the boring or jacking operation.
  - 2) Wet boring or jetting will not be permitted under the roadway structure of State highways.

3) Borings over six inches in diameter shall be accomplished with an auger and following pipe, and the diameter of the auger shall not exceed the outside diameter of the following pipe by more than one inch. Borings six inches and under may be accomplished by either jacking, guided whip auger, or auger with following pipe method. Pits for boring or jacking shall be excavated no more than 48 hours in advance of boring or jacking operations and backfilled within 48 hours after boring or jacking operations are completed. While pits are open, they shall be clearly marked and protected by barricades.

From: Scott Hunt [mailto:shunt@hurst-rosche.com]
Sent: Wednesday, August 03, 2016 2:42 PM
To: Lehmann, Paula M
Cc: Garrett Miller; mreitz@hurst-rosche.com; dkress@collinsvilleil.org
Subject: Collinsville WTP - HR: 170-2323

Paula,

As requested yesterday in our telephone conversation, we are submitting revised plan sheets reflecting the following changes:

- Sheet C5.2: added the 6" finished water line that wasn't shown on the original plans submitted to your office
- Sheet C5.3:
  - relocated the proposed 18" 90-degree bends on the new 18" raw water line crossing further south to get them off IDOT ROW
  - eliminated the 6" piping connection in the center of the page and showed the existing 6" finished water line to be abandoned in place (this line crossing Collinsville Road wasn't shown on the original sheets submitted to your office)
  - relocated the proposed 10" piping connection on the right side of the page to connect on the south side of the 20" line instead of the north side in order to get these fittings off of the IDOT ROW
  - added the electrical conduit crossing locations (shown on Sheets E1.6 & E1.7) so you can see where they are in relation to the water line crossings
- Sheet E1.6: eliminated the bends in the electrical conduits so that no fittings are located in the IDOT ROW
- Sheet E1.7: added this sheet so you can see the south ROW line and its relation to the electrical conduits/fittings

I believe these changes address all of your review comments from yesterday with the exception of extending the casings from ROW to ROW. As discussed yesterday, it was our understanding that IDOT only required the casing pipes to extend 10' beyond the pavement edge. You were going to check with someone to verify what the IDOT regulations/standards actually require and let us know whether or not we need to extend these further. Please note that the size of casing pipes we are dealing with involve jack and bore costs in excess of \$550 per foot. Therefore, we would prefer to limit the length of these if IDOT regulations don't actually require them to extend from ROW to ROW.

Please let me know if you need any additional information from our office.

Sincerely,

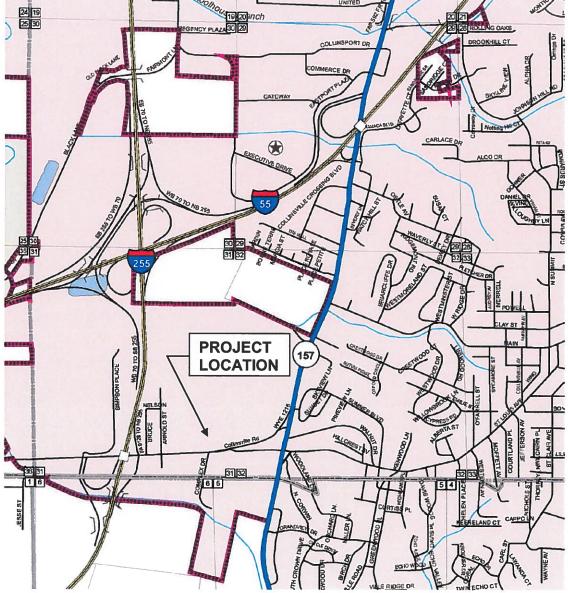
Scott L. Hunt, P.E. Branch Manager

## HR

Hurst-Rosche , Inc. www.hurst-rosche.com

217.532.3959 t 618.610.1659 m

# Location Map



New Water Treatment Plant along FAU 9128 (Collinsville Road) Collinsville, Madison County, Illinois

## **Location Map**



New Water Treatment Plant along FAU 9128 (Collinsville Road) Collinsville, Madison County, Illinois

#### GENERAL NOTES

- ALL ELEVATIONS SHOWN ARE REFERENCED TO THE CONTROL POINTS IDENTIFIED ON SHEET CO.3.
- 2. ANY REFERENCE TO AN IDOT HIGHWAY STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER LISTED ON THIS SHEET.
- 3. RIGHT-OF-WAYS, PROPERTY LINES, AND TOPOGRAPHY SHOWN HEREON HAVE BEEN TAKEN FROM THE BEST AVAILABLE RECORDS AND SHALL BE VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION.
- EXCEPT AS NOTED IN THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- 5. ALL SAW CUTTING OF EXISTING PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 6" UNLESS OTHERWISE SPECIFIED IN THE PLANS.
- 6. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER REGARDING CONTRACTOR PARKING AND CONSTRUCTION STAGING.
- 7. PERMITS AND LICENSES OF A TEMPORARY NATURE NECESSARY FOR THE PROCESSION OF WORK SHALL BE SECURED AND PAID FOR BY THE CONTRACTOR
- 8. THE ARCHITECT/ENGINEER WILL PERFORM COMPACTION AND CONCRETE TESTING IN ACCORDANCE WITH THE SPECIFICATIONS.
- 9. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION LAYOUT AND STAKING.
- 10. ALL TEMPORARY AGGREGATE SHALL BE REMOVED, GRADED, SEEDED AND MULCHED AS NECESSARY AT THE COMPLETION OF THE CONTRACT.
- 11. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED AS DIRECTED BY THE ARCHITECT/ENGINEER.
- 12. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING EROSION OF THE SOIL EXPOSED BY DISTURBANCE DUE TO HIS OPERATIONS. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY EROSION CONTROL IN ACCORDANCE WITH SECTION 280 OF THE IDOT STANDARD SPECIFICATIONS AND AS OUTLINED IN THE PLANS. ADDITIONAL COMPENSATION IS ALLOWED FOR TEMPORARY EROSION CONTROL. NO
- 13. THE CONTRACTOR SHALL MULCH SLOPES 1:4 (V:H) AND STEEPER BY CONSTRUCTING EROSION CONTROL BLANKET IN ACCORDANCE WITH SECTION 251 THE IDOT STANDARD SPECIFICATIONS. THE EROSION CONTROL BLANKET SHALL BE EXCELSIOR BLANKET.
- 14. STORE TOPSOIL ON SITE AT AN APPROVED LOCATION AS DIRECTED BY THE ARCHITECT/ENGINEER.
- 15. EXCAVATION AND BACKFILL:
- A. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL VEGETATION AFFECTING CONSTRUCTION WITHIN THE CONSTRUCTION LINES SOUND NOT THE PLANS IN ACCORDANCE WITH THE SPECIFICATIONS UNLESS OTHERWISE NOTED IN THE PLANS. ALL REMOVED VEGETATION SHALL BE DISPOSED OF WITHIN 7 DAYS REMOVAL
- B. AREAS TO RECEIVE FILL SHALL BE SCARIFIED TO A DEPTH OF 6" AND COMPACTED TO MINIMUM 95% COMPACTION FOR ALL LIFTS BASED ON THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH THE SPECIFICATIONS.
- C. PLACE AND COMPACT FILL IN LIFTS NOT TO EXCEED 8" WHEN IN LOOSE CONDITION. FILL SHALL BE COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS.
- THE CONTRACTOR SHALL DISPOSE OF ALL UNSTABLE AND/OR UNSUITABLE D. MATERIALS SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN MATERIALS SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS OWN EXPENSE OUTSIDE THE LIMITS OF OWNER PROPERTY IN SUCH A MANNER THAT PUBLIC OR PRIVATE PROPERTY WILL NOT BE DAMAGED OR ENDANGERED.
- PROPOSED CONTOURS GENERALLY REFLECT ULTIMATE FINISH GRADE. FOR EARTH GRADES, THE FULL DEPTH OF PAVEMENT MUST BE SUBTRACTED FROM THE ELEVATIONS SHOWN. SEE PAVEMENT SECTION DETAILS AS APPLICABLE FOR ROADWAYS, SIDEWALKS AND PARKING AREAS.
- THE REMOVAL OF UNUSABLE AND UNSTABLE MATERIAL IN ALL CUT AND FILL AREAS AND THEIR REPLACEMENT WITH SATISFACTORY MATERIAL, WHERE REQUIRED, SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- CONTRACTOR SHALL PROVIDE EROSION AND SILTATION CONTROL, AS NEEDED, TO PREVENT DAMAGE OF OFFSITE PROPERTIES UNTIL VEGETATION IN ALL DISTURBED AREAS HAS BEEN ESTABLISHED, AT WHICH TIME HE SHALL BE RESPONSIBLE FOR REMOVAL OF ALL TEMPORARY EROSION CONTROL AND REPAIR OF ANY ERODED AREAS.
- H. THE CONTRACTOR SHALL GRADE AND PREPARE ALL SUBGRADES TO WITHIN 0.1 FEET OF PLAN GRADE.
- ALL TOPSOIL, VEGETATION, ROOTS AND ANY SOFT SOILS SHALL BE STRIPPED FROM PROPOSED SIDEWALK AND PAVEMENT AREAS. SITE SHALL THEN BE PROOF-ROLLED, SCARIFIED AND PROCESSED TO THE OPTIMUM MOISTURE CONTENT TO ATTAIN REQUIRED COMPACTION DENSITY OF SUB-GRADE SOILS.
- EXISTING SLOPES STEEPER THAN 1:4 (V:H) SHALL BE BENCHED PRIOR TO J. PLACEMENT OF FILL. BENCHES SHALL BE SPACED SUCH THAT THE MAXIMUM HEIGHT OF CUT AT THE UP-SLOPE RIDGE OF THE BENCH IS 5 FEET.
- 16. ANY PROPERTY CORNERS OR OTHER PERMANENT SURVEY CONTROL MONUMENTS DISTURBED BY CONSTRUCTION SHALL BE VERIFIED AND/OR RESET AT THE CONCLUSION OF THE PROJECT CONSTRUCTION BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF ILLINOIS AND EMPLOYED BY THE CONTRACTOR. WRITTEN VERIFICATION SHALL BE PROVIDED TO THE OWNER, THROUGH THE ARCHITECT/ENGINEER, THAT ALL SAID EXISTING PROPERTY CORNERS AND/OR PERMANENT SURVEY CONTROL MONUMENTS SHOWN IN THE CONSTRUCTION PLANS HAVE BEEN PROTECTED AND/OR RESET.

- 17. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF OWNER PROPERTY ACCORDING TO ARTICLE 202.03 OF THE IDOT STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ARCHITECT/ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 18. THE EXISTING UTILITY INFORMATION AND OBSTRUCTIONS SHOWN ARE FROM THE BEST AVAILABLE RECORDS AND SHALL BE VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION PRIOR TO AND DURING CONSTRUCTION. THE ARCHITECT/ENGINEER AND THE OWNER DO NOT WARRANT OR GUARANTEE THE COMPLETENESS OR THE CORRECTNESS OF THE INFORMATION GIVEN.
- 19. NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THEM DUE TO HIS NEGLIGENCE SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S FXPFNSF
- 20. THE CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATION FAR ENOUGH IN ADVANCE OF THE WORK TO LOCATE EXISTING UTILITIES AND OBSTRUCTIONS SO THAT CORRECTIONS IN PROPOSED PIPE GRADE AND ALIGNMENT CAN BE MADE WITHOUT REMOVING PIPE ALREADY INSTALLED AND IN PLACE. ANY CORRECTION REQUIRED TO PIPE OR FACILITIES ALREADY INSTALLED DUE TO CONTRACTOR'S FAILURE TO LOCATE EXISTING UTILITIES AND OBSTRUCTIONS SHALL BE REMOVED AND REINSTALLED AT THE CONTRACTOR'S EXPENSE
- 21. UTILITY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PLANS, "IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016, "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION AND ALL LOCAL AND STATE CODES GOVERNING THE CONSTRUCTION OF THE PROPOSED FACILITIES.
- 22. THE CONTRACTOR SHALL LIMIT THE AMOUNT OF TRENCH TO BE OPEN AT ANY GIVEN TIME TO A MAXIMUM OF FORTY (40) LINEAR FEET AS MEASURED ALONG THE CENTERLINE OF THE PROPOSED PIPE. ALL OPEN TRENCHES SHALL BE BACKFILLED AT THE END OF EACH DAY'S WORK AND IMMEDIATE MEASURES TAKEN TO STABILIZE THE DISTURBED AREA.
- 23. SHORT TUNNELS MAY BE REQUIRED BY THE ARCHITECT/ENGINEER AT SOME LOCATIONS WHILE CONSTRUCTING THE PROPOSED PIPELINES IN ORDER TO SAVE OBSTRUCTIONS SUCH AS TREES OR EXISTING PIPES WHICH ARE IN THE TRENCH WIDTH. THE COST OF SHORT TUNNELS SHALL BE INCIDENTAL TO THE CONTRACT.
- 24. AFTER TRENCH HAS BEEN BACKFILLED, THE GROUND SHALL BE RETURNED TO EXISTING OR PROPOSED GRADE AND NO EXCESS EXCAVATED MATERIAL WILL BE SPREAD IN THIS AREA.
- 25. THE CONTRACTOR SHALL SCHEDULE RELOCATION OF UTILITIES AND MAINTAIN UTILITIES IN SUCH A MANNER AS TO PROVIDE CONTINUOUS SERVICE TO THE EXISTING STRUCTURES THROUGHOUT CONSTRUCTION
- 26. UNLESS OTHERWISE INDICATED ON THE DRAWINGS, TOP OF WATER MAINS ARE TO BE SET IN THE FIELD AND SHALL HAVE A MINIMUM OF 42" OF COVER. ADJUST DEPTHS OF WATER MAINS TO AVOID EXISTING UTILITIES AND TO PROVIDE 18" MINIMUM VERTICAL CLEARANCE BETWEEN WATER MAINS AND SEWER MAINS.
- 27. MANHOLE RIM ELEVATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL MAKE ADJUSTMENTS NECESSARY SUCH THAT THE TOP OF MANHOLE IS FLUSH WITH THE GROUND SURFACE.
- 28. DURING CONSTRUCTION, THE CONTRACTOR SHALL NOT CAUSE SEWAGE TO BE DISCHARGED ON THE GROUND, IN WATERWAYS OR ONTO THE GROUND; NOR SHALL HE CAUSE BACKUP OF SEWAGE INTO BUILDINGS. SEWAGE SHALL BE DIVERTED BY PUMPING.
- 29 THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF COLLINSVILLE BEFORE OPERATING ANY WATER VALVES IN THE SYSTEM. NO VALVES SHALL BE OPERATED NOR ANY WATER MAINS SHUTDOWN WITHOUT PRIOR APPROVAL FROM THE CITY.
- 30. NO CONNECTION TO THE EXISTING SYSTEMS SHALL BE MADE UNTIL THE SUBJECT WATER, SEWER, FORCE MAIN, OR PUMPING STATION HAVE BEEN INSPECTED, TESTED, AND ACCEPTED TO BE PLACED INTO SERVICE.
- 31. EXISTING WATER LINES SHOWN ON DRAWINGS TO BE ABANDONED AND CONNECTIONS TO EXISTING WATER SERVICE LINES SHALL BE DONE ONLY AFTER PROPOSED WATER LINES HAVE BEEN INSTALLED, PRESSURE TESTED, DISINFECTED AND PUT INTO SERVICE.
- 32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING THE UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE IDOT STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED
- 33. THE CONTRACTOR SHALL OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT THROUGH THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY. THE CONTRACTOR SHALL PAY FOR ALL PERMIT FEES AND OTHER COSTS RELATED TO THESE REQUIREMENTS.
- 34. EXISTING SIGNS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED AND RELOCATED AS DIRECTED BY THE ARCHIETECT/ENGINEER.

## APPLICABLE IDOT HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBR
280001-07	TEMPORARY EROSION CONT
424001-08	PERPENDICULAR CURB RAM
542301-03	PRECAST REINFORCED CON
542306-03	PRECAST REINFORCED CON
606001-06	CONCRETE CURB TYPE B A
606006-03	OUTLETS FOR CONCRETE C
664001-02	CHAIN LINK FENCE
701001-02	OFF-ROAD OPERATIONS, 2
701006-05	OFF-ROAD OPERATIONS, 2
701101-05	OFF-ROAD OPERATIONS, M
701106-02	OFF-ROAD OPERATIONS, M
701501-06	URBAN LANE CLOSURE, 2L
701502-06	URBAN LANE CLOSURE, 2L
701801-06	SIDEWALK, CORNER OR CR
701901-05	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DE
720006-04	SIGN PANEL ERECTION DET
720011-01	METAL POSTS FOR SIGNS,
720021-02	SIGN PANELS, EXTRUDED A

#### MIXTURE TABLES

MIXTURE USE:
PG:
RAP %:
DESIGN AIR VOIDS:
MIXTURE COMPOSITION: (GRADATION MIXTURE)
FRICTION AGGREGATE:
MIXTURE WEIGHT:

MIXTURE USE:	SURFACE COURSE
PG:	PG 64-22 *
RAP %:	15%
DESIGN AIR VOIDS:	4% @ N DESIGN = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5L
FRICTION AGGREGATE:	MIXTURE C
MIXTURE WEIGHT:	112 LB/SQ YD/IN
MIXTURE USE:	BINDER COURSE
PG:	PG 64-22
RAP %:	25%
DESIGN AIR VOIDS:	4% @ N design = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0L
FRICTION AGGREGATE:	
MIXTURE WEIGHT:	112 LB/SQ YD/IN

\* (PG 58-28) REQUIRED WHEN GREATER THAN 15% RAP IS UTILIZED.

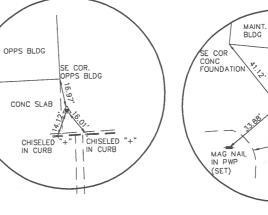
## UTILITY OWNERS

GAS & ELECTRIC: AMEREN IP MARTIN FULLER (618) 236-6281

> TELEPHONE: ATT/DISTRIBUTION (618)573-5450

WATER/SEWER: CITY OF COLLINSVILLE DENNIS KRESS (618) 346-5211

## CONTROL POINT REFERENCE TIES



#109 MAG NAIL (SET)
N. 725661.075
E. 2337658.480
EL. 425.47
ILL STATE PLANE WES
(GRID) NAVD 88

#110 MAG NAIL (SET) N. 725665.469 E. 2337753.434 424.86 EL ILL STATE PLANE WEST (GRID) NAVD 88

REVIATIONS AND PATTERNS TROL SYSTEMS MPS FOR SIDEWALKS NCRETE FLARED END SECTION NCRETE ELLIPTICAL FLARED END SECTION AND COMBINATION CONCRETE CURB AND GUTTER CURB AND GUTTER, TYPE B-6.24

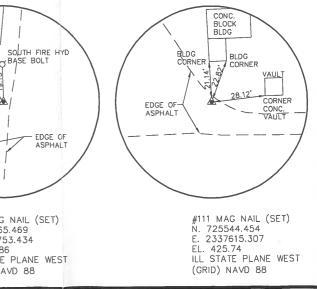
L, 2W, MORE THAN 15' AWAY 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE WULTILANE, 15' TO 24" FROM PAVEMENT EDGE JULTILANE, MORE THAN 15' AWAY .2W. UNDIVIDED WITH BIDIRECTIONAL TURN LANE OSSWALK CLOSURE

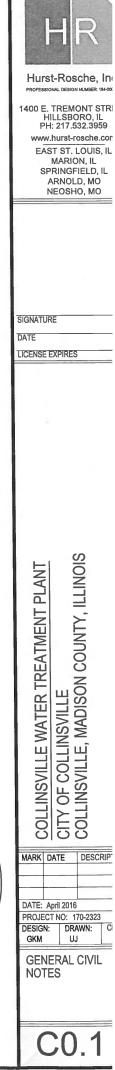
TAILS TAILS. MARKERS AND DELINEATORS ALUMINUM TYPE

WINDSTREAM KDL, INC. JOEL SCHROEDER (800) 289-1901

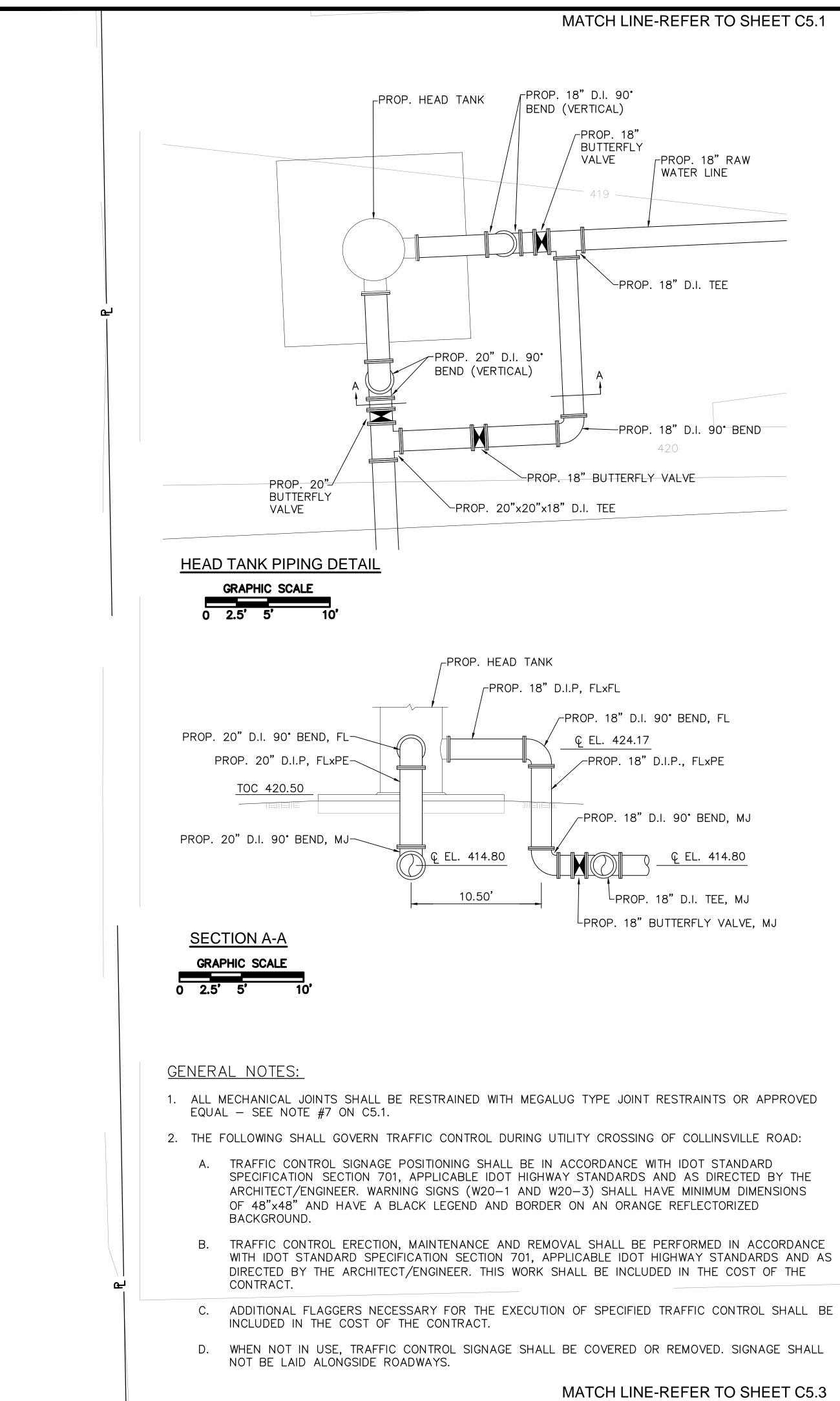
STATE OF ILLINOIS -CMS

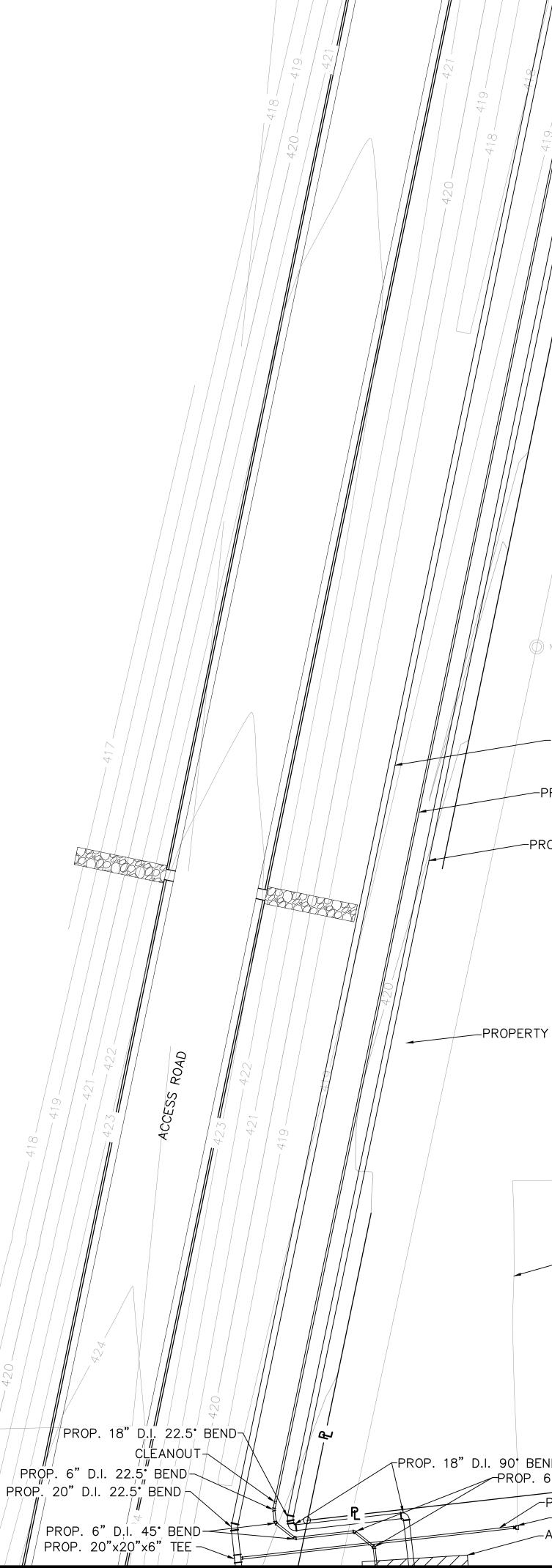
JERRY PICKETT (217) 785-7500





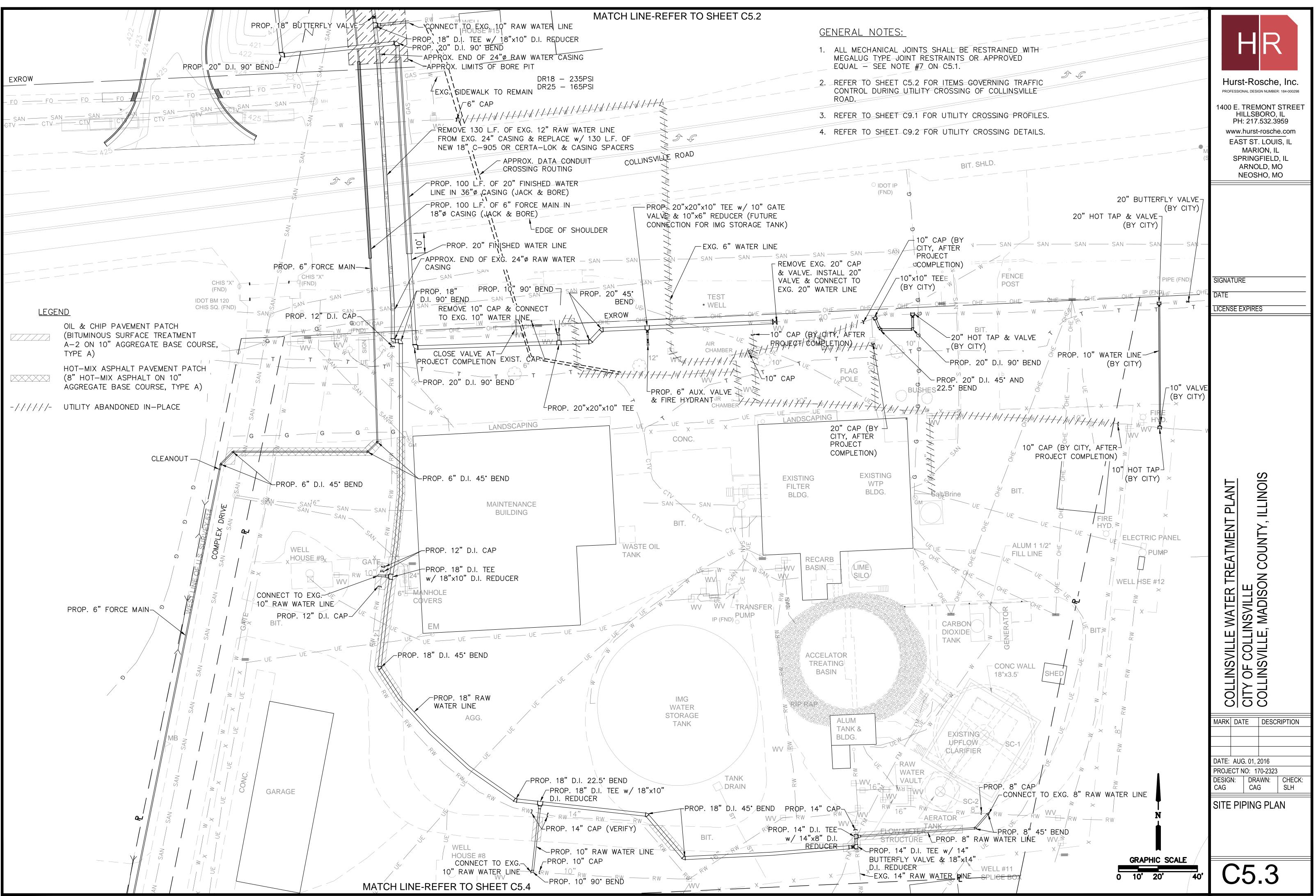
C 2016 HURST-ROSCI



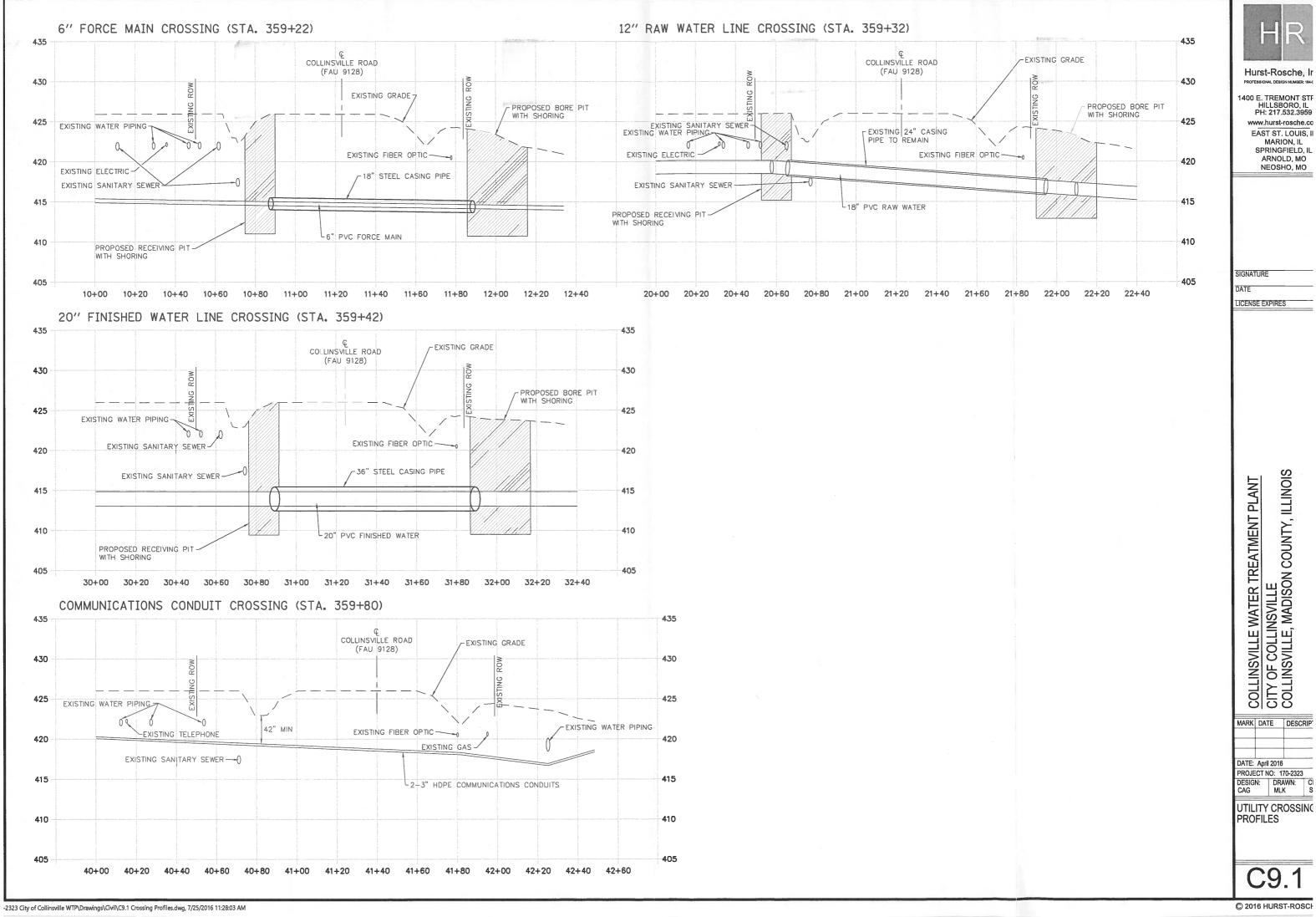


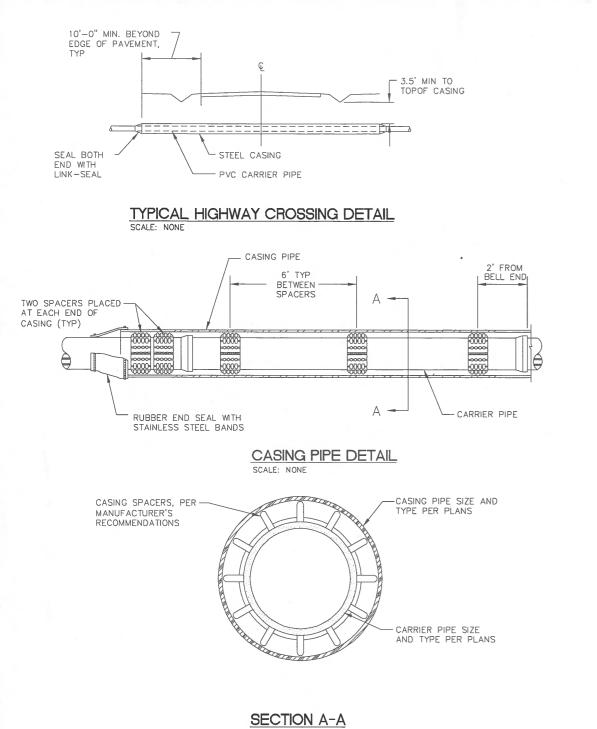
P	HURST-ROSCHER, INC. HURST-ROSCHER, INC. PROFESSIONAL DESIGN NUMBER: 184-000298 1400 E. TREMONT STREET HILLSBORO, IL PH: 217.532.3959 NWW.hurst-rosche.com EAST ST. LOUIS, IL MARION, IL SPRINGFIELD, IL ARNOLD, MO NEOSHO, MO
EXG. 36" SANITARY SEWER	SIGNATURE DATE LICENSE EXPIRES
MH -PROP. 20" FINISHED WATER LINE ROP. 6" FORCE MAIN	
UNE	LINSVILLE LINSVILLE Le, MADISON COUNTY, ILLINOIS
EXIST. 6" WATER LINE	COLLINSVILLE WATER 1 CITY OF COLLINSVILLE, MADISO COLLINSVILLE, MADISO
ID 0" D.I. 45° BEND	DATE: AUG. 01, 2016 PROJECT NO: 170-2323 DESIGN: DRAWN: CHECK: CAG SLH SITE PIPING PLAN
PROP. 6" FINISHED WATER LINE -PROP. 6" TAPPING SADDEE AND 6" TAPPING VALVE APPROXIMATE LIMITS OF PROPOSED BORE PIT 0 10' 20' 40'	C5.2

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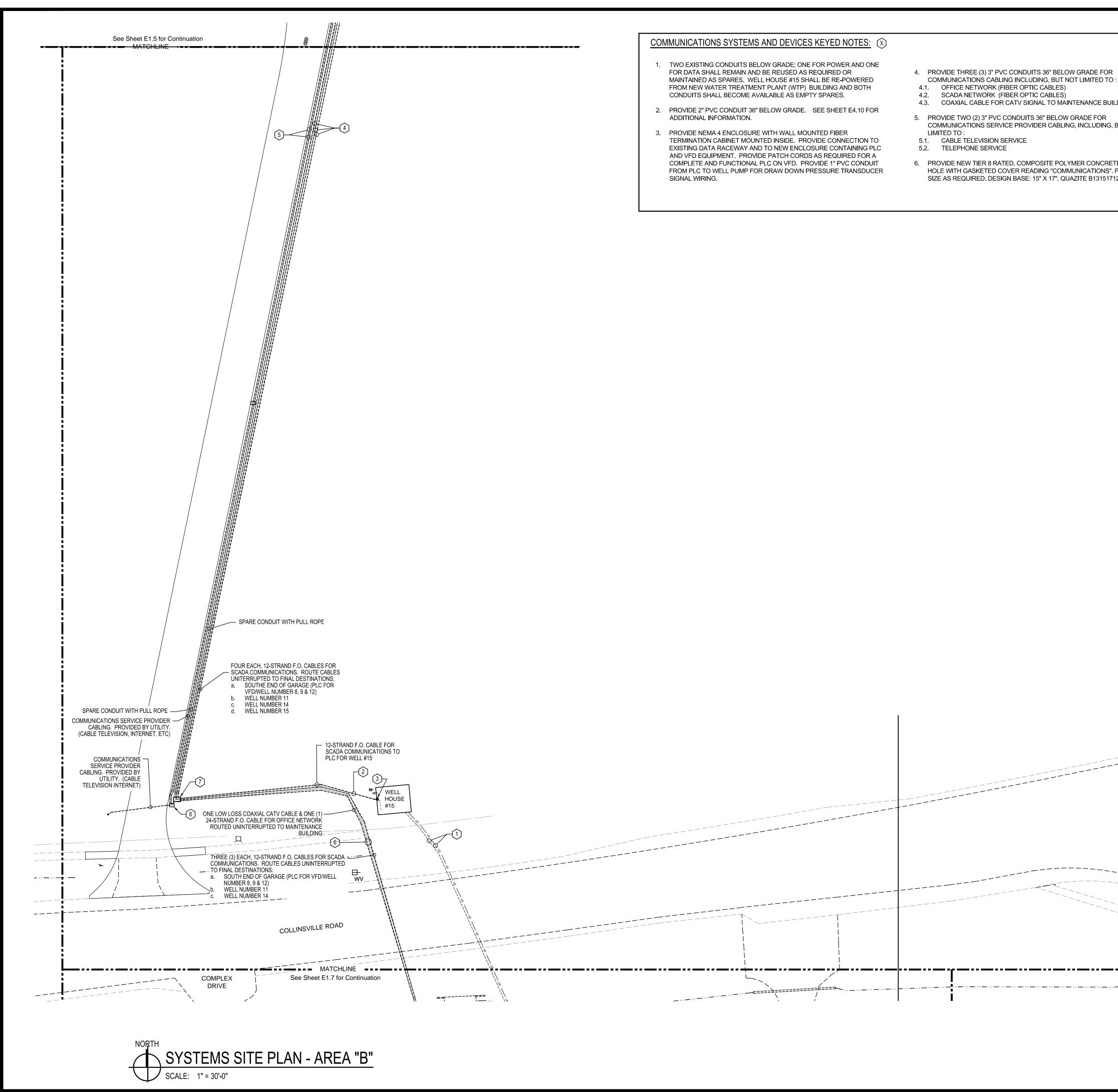


<b>C</b> LC		<i>/ \</i>
SCALE:	NONE	

			CRC	SSING DATA TAE	ILE				
	FORCE	MAIN	RAW V	VATER	FINISHE	) WATER	DATA/COMM	UNICATIONS	
CROSSING NO.		1	2	2		3	4		
LOCATION	FAU 9128, S	STA. 359+22	FAU 9128, S	TA. 359+32	FAU 9128, STA. 359+42		FAU 9128, STA, 359+80		
OWNER	CITY OF C	OLLINSVILLE	CITY OF CO	DLLINSVILLE	CITY OF C	CITY OF COLLINSVILLE		CITY OF COLLINSVILLE	
	CARRIER PIPE	CASING PIPE	CARRIER PIPE	CASING PIPE	CARRIER PIPE	CASING PIPE	CARRIER PIPE	CASING PIPE	
LENGTH	134'	100'	138'	130'	134'	100'	2@149'	N/A	
INSIDE DIAMETER (NOM.)	6"	18"	18"	24"	20"	36"	3"	N/A	
OUTSIDE DIAMETER	6.90"	18.50"	19.50"	24,50"	21.60"	36.50"	3.508"	N/A	
PIPE MATERIAL	PVC	STEEL	PVC	STEEL	PVC	STEEL	HDPE	N/A	
SPECIFICATION & GRADE	DR 25	ASTM A139	DR 41	ASTM A139	DR 41	ASTM A139	SCHEDULE 80	N/A	
WALL THICKNESS	0.276"	0.250"	0.476"	0.250"	0.864"	0.250"	0.254"	N/A	
WORKING PRESSURE	165 PSI	0	100 PSI	0	100 PSI	0	0 PSI	N/A	
TYPE OF JOINT	PUSH-ON	WELDED	PUSH-ON	WELDED	PUSH-ON	WELDED	N/A	N/A	
COATING	NONE	BITUMINOUS*	NONE	BITUMINOUS*	NONE	BITUMINOUS*	NONE	N/A	
INSTALLATION METHOD	JACKING IN PLACE	BORING & JACKING	JACKING IN PLACE	EXISTING	JACKING IN PLACE	BORING & JACKING		N/A	
SEALS	NONE	BOTH ENDS	NONE	BOTH ENDS	NONE	BOTH ENDS	NONE	N/A	

\* - BITUMINOUS ASPHALT COATING REQUIRED ON EXTERIOR OF CASING PIPE

a contraction	 	
		HR
		Hurst-Rosche, II PROFESSIONAL DESIGN NUMBER: 184-
		1400 E. TREMONT STI HILLSBORO, IL PH: 217.532.3959 www.hurst-rosche.cc EAST ST, LOUIS, I
		MARION, IL SPRINGFIELD, IL ARNOLD, MO NEOSHO, MO
		SIGNATURE DATE LICENSE EXPIRES
		VOIS
		T PLAI
		COLLINSVILLE WATER TREATMENT PLA CITY OF COLLINSVILLE COLLINSVILLE, MADISON COUNTY, ILLIN
		E ON CC
		VATER SVILLI MADIS
		ILLLE, I
		LINSV LINSV
		MARK DATE DESCRIP
		DATE: April 2016 PROJECT NO: 170-2323 DESIGN: DRAWN: C CAG MLK S
		UTILITY CROSSINC DETAILS
		C9.2
		C 2016 HURST-ROSCH



- COMMUNICATIONS CABLING INCLUDING, BUT NOT LIMITED T
- COMMUNICATIONS SERVICE PROVIDER CABLING, INCLUDING
- HOLE WITH GASKETED COVER READING "COMMUNICATIONS

OR TO : BUILDING & NG, BUT NOT RETE HAND IS". PROVIDE 51712	<ol> <li>PROVIDE NEW TIER 15 RATED, 17" X 30" COMPOSITE CONCRETE HAND HOLE WITH GASKETED COVER READING "COMMUNICATIONS." DESIGN BASE: QUAZITE B14173022G</li> </ol>	<image/> <section-header><text><text><text><text></text></text></text></text></section-header>
		SIGNATURE DATE LICENSE EXPIRES
		COLLINSVILLE WATER TREATMENT PLANT CITY OF COLLINSVILLE COLLINSVILLE, MADISON COUNTY, ILLINOIS
	AREA OF WORK INDICATED ON THIS SHEET	MARK       DATE       DESCRIPTION         05-09-14       25%         DATE:       AUG. 01, 2016         PROJECT NO:       170-2323         DESIGN:       DRAWN:       CHECK:         BG       DLC
	NORTH KEY PLAN SCALE: NONE	E1.6

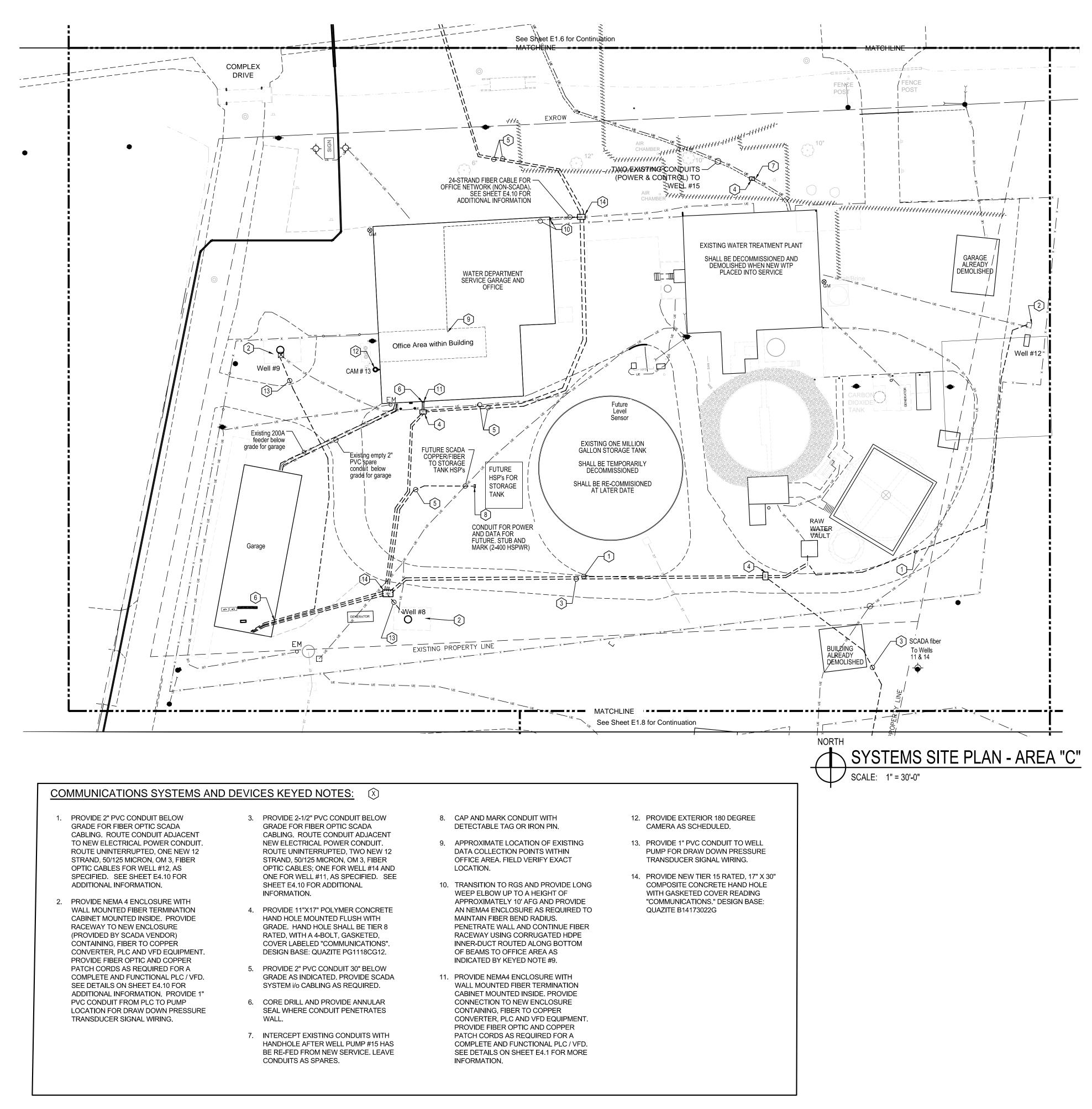
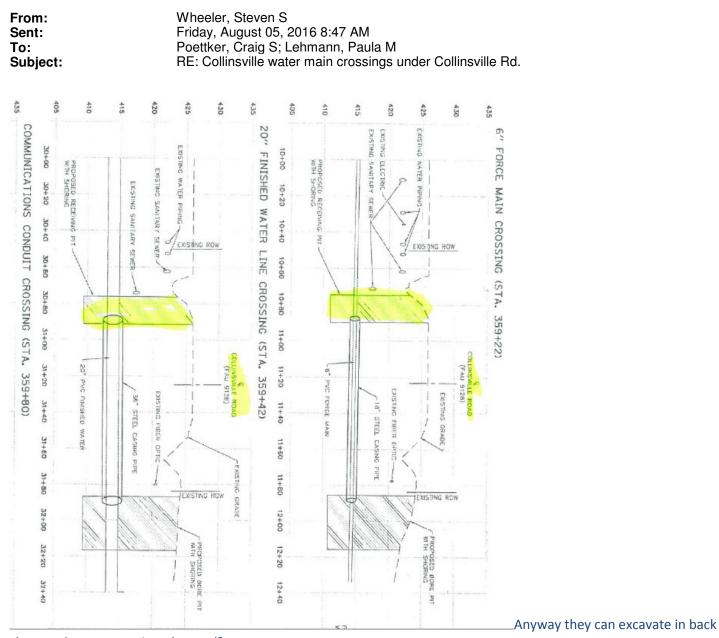


	Image: bit is a start of the image
	SIGNATURE DATE LICENSE EXPIRES
AREA OF WORK INDICATED ON THIS SHEET INDICATED	Image: Subscription of the second
NORTH KEY PLAN SCALE: NONE	E1.7

#### Lehmann, Paula M



slope and note up against the road?

From: Poettker, Craig S
Sent: Wednesday, August 03, 2016 8:13 AM
To: Wheeler, Steven S
Subject: Fwd: Collinsville water main crossings under Collinsville Rd.

Sent from my iPhone

Begin forwarded message:

From: "Lehmann, Paula M" <<u>Paula.Lehmann@illinois.gov</u>> To: "Poettker, Craig S" <<u>Craig.Poettker@illinois.gov</u>> Subject: Collinsville water main crossings under Collinsville Rd. See attached plan sheets. Let me know what your concerns are.

Ms. Paula Lehmann Permits and Agreements Technician Division of Highways/District 8 Illinois Department of Transportation 1102 Eastport Plaza Drive Collinsville, IL 62234-6198 Telephone (618) 346-3170 Fax (618) 346-3162 paula.lehmann@illinois.gov

Please consider the environment before printing this e-mail

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#### Lehmann, Paula M

From: Sent: To: Subject: Poettker, Craig S Friday, August 05, 2016 3:15 PM Wheeler, Steven S; Lehmann, Paula M; Gielow, Robert D RE: Collinsville water main crossings under Collinsville Rd.

If they have to excavate as close as noted and it looks like it's right to the edge of pavement they will have to place barrier to protect the hole, possibly close a lane but it would be nice if they stayed back that the lane doesn't have to be closed. Bob, can you add your recommendations to both of these issues/concerns.

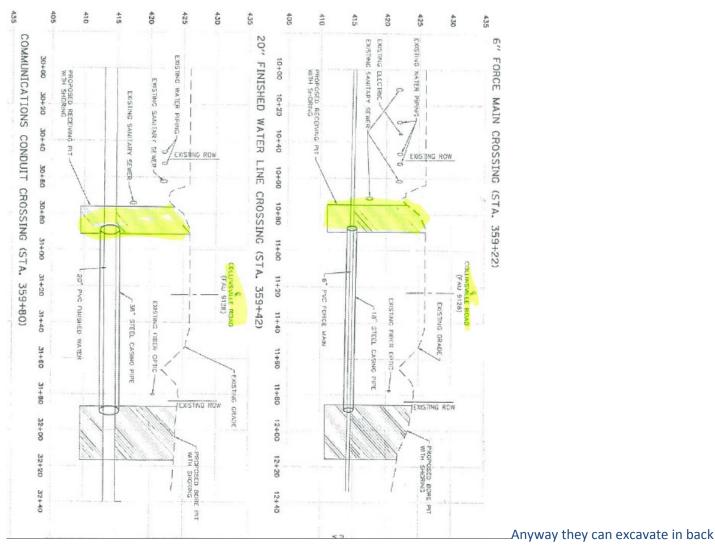
Paula, also, is there any way we can have them case through the flowline of the ditches? ROW to ROW?

Craig



Please consider the environment before printing this email

From: Wheeler, Steven S Sent: Friday, August 05, 2016 8:47 AM To: Poettker, Craig S; Lehmann, Paula M Subject: RE: Collinsville water main crossings under Collinsville Rd.



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#### Lehmann, Paula M

From: Sent: To: Subject: Gielow, Robert D Friday, August 05, 2016 3:26 PM Poettker, Craig S; Wheeler, Steven S; Lehmann, Paula M RE: Collinsville water main crossings under Collinsville Rd.

If they excavate next to the pavement, they will definitely have to close the lane, and would most likely need to install concrete barrier. If they could stay in the ditch or on the back slope, they would probably only have to close the right lane.

From: Poettker, Craig S
Sent: Friday, August 05, 2016 3:15 PM
To: Wheeler, Steven S; Lehmann, Paula M; Gielow, Robert D
Subject: RE: Collinsville water main crossings under Collinsville Rd.

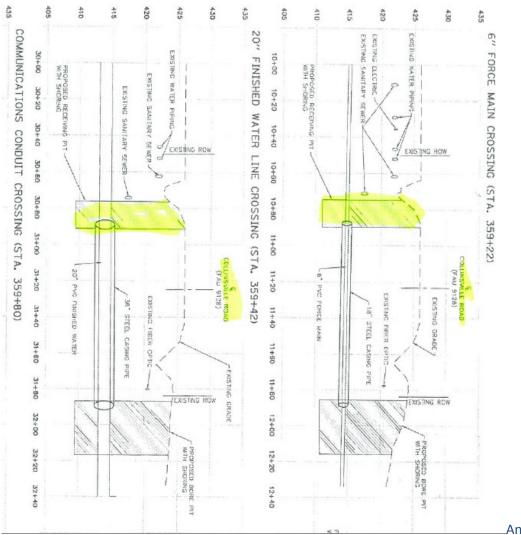
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Paula, also, is there any way we can have them case through the flowline of the ditches? ROW to ROW?

Craig

Please consider the environment before printing this email

From: Wheeler, Steven S
Sent: Friday, August 05, 2016 8:47 AM
To: Poettker, Craig S; Lehmann, Paula M
Subject: RE: Collinsville water main crossings under Collinsville Rd.



Anyway they can excavate in back

slope and note up against the road?

From: Poettker, Craig S
Sent: Wednesday, August 03, 2016 8:13 AM
To: Wheeler, Steven S
Subject: Fwd: Collinsville water main crossings under Collinsville Rd.

Sent from my iPhone

Begin forwarded message:

From: "Lehmann, Paula M" <<u>Paula.Lehmann@illinois.gov</u>> To: "Poettker, Craig S" <<u>Craig.Poettker@illinois.gov</u>> Subject: Collinsville water main crossings under Collinsville Rd.

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