



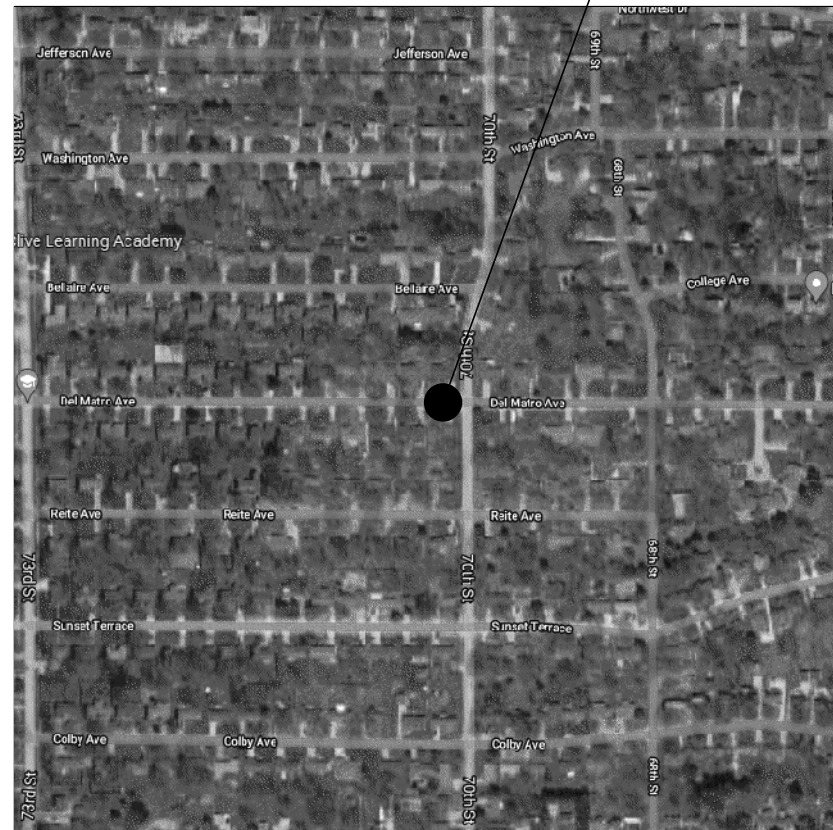
**CITY OF URBAN DALE**  
**2021 SANITARY SEWER SPOT REPAIR PROGRAM**  
**7016 TOWNSEND AVENUE**  
**8118 NORTH WALNUT CREEK DRIVE**  
**70TH STREET AND DEL MATRO AVENUE (WINDSOR HEIGHTS)**  
**PROJECT NO. 2021-029-300**

INDEX OF SHEETS	
A.01	TITLE SHEET
C.01	QUANTITIES AND NOTES
D.01	PLAN AND PROFILE - 7016 TOWNSEND AVE
D.02	PLAN AND PROFILE - 8118 N WALNUT CREEK DR
D.03	PLAN AND PROFILE - 70TH & DEL MATRO

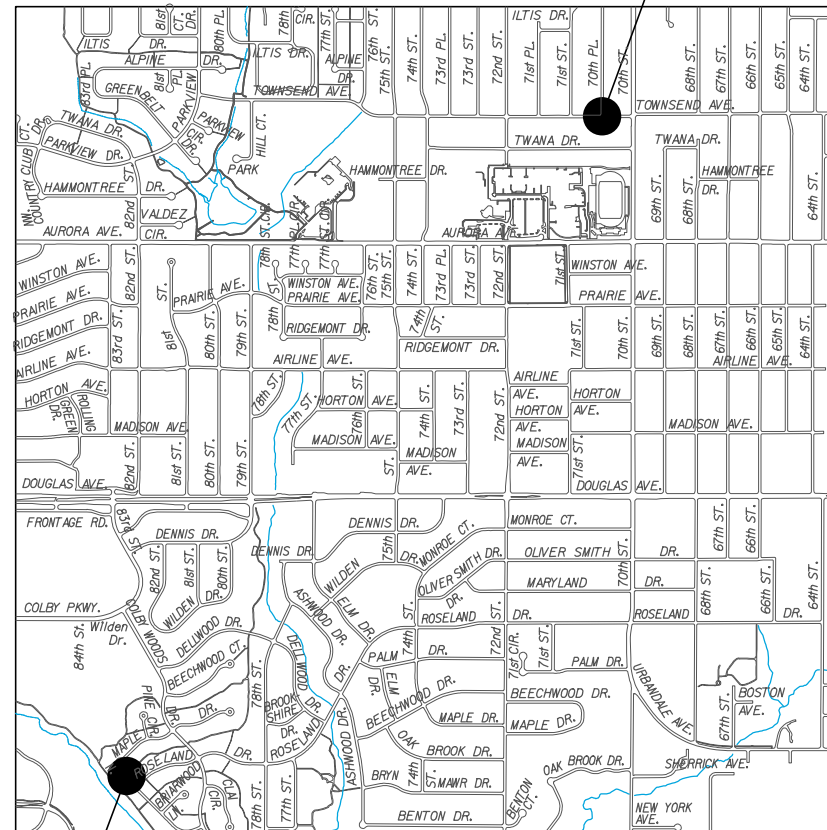
**LOCATION MAPS**

NOT TO SCALE

70TH STREET AND DEL MATRO AVENUE



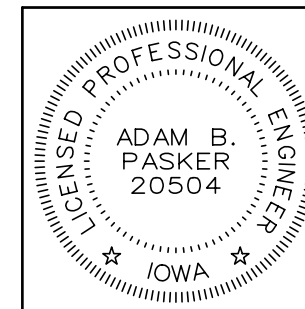
7016 TOWNSEND AVENUE



8118 NORTH WALNUT CREEK DRIVE



COMPLETE ALL WORK IN ACCORDANCE WITH THE 2021  
 URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS  
 INCLUDING THE URBAN DALE SUPPLEMENTAL SPECIFICATIONS.  
  
 NOTIFY CITY ENGINEER 48 HOURS PRIOR TO CONSTRUCTION.



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.  
*Adam Pasker* 9-22-21  
 ADAM B. PASKER, P.E. DATE  
 License Number: 20504  
 My license renewal date is DECEMBER 31, 2022.  
 Pages or sheets covered by this seal:  
 All Sheets

## GENERAL NOTES

All signs shall be removed and relocated as necessary by the City. The Contractor shall notify the City in advance of need for removal of signs.

All signs, posts, barricades, and other traffic control devices and materials shall be supplied, installed, and maintained by the Contractor.

All holes resulting from operations of the Contractor, including removal of guardrail posts, fence posts, utility poles, or foundation studies, shall be filled and consolidated to finished grade as directed by the Engineer to prevent future settlement. The voids shall be filled as soon as practical, preferably the day created and not later than the following day. Any portion of the right-of-way or project limits (including borrow areas and operation sites) disturbed by any such operations shall be restored to an acceptable condition. This operation shall be considered incidental to other bid items.

It shall be the Contractor's responsibility to provide waste areas or disposal sites for excess material (excavated material or broken concrete) which is not desirable to be incorporated into the work involved on this project. These areas shall not impact wetlands or "Waters of the U.S." No payment for overhaul will be allowed for material hauled to these sites. No material shall be placed within the right-of-way, unless specifically stated in the plans.

The top eight (8) inches of the disturbed areas shall be free of rock and debris and shall be suitable for the establishment of vegetation, subject to the approval of the City Engineer.

The Contractor shall not disturb desirable grass areas and desirable trees outside the construction limits. The Contractor will not be permitted to park or service vehicles and equipment in these areas, or use these areas for storage of materials. Storage, parking and service area(s) will be subject to the approval of the Engineer. All trees and shrubs outside the right-of-way limits that are disturbed during construction shall be replaced by the Contractor with in-kind material or better. The Contractor shall be responsible for staking all trees and warranting the replacement vegetation for up to one year.

Contractor shall protect all found property pins. All pins disturbed during construction shall be properly reset at no expense to the City or property owners.

Comply with the City of Urbandale's Construction Site Erosion and Sediment Control Ordinance requirements including containing slurry from wet saw cutting, and protecting earth ROW from eroding into street.

Where public utility fixtures are shown as existing on the plans, it is anticipated that they will be relocated by others prior to construction. If public utility fixtures are encountered within the construction area, it shall be the responsibility of the Contractor to notify the owners of those utilities prior to the beginning of any construction. The Contractor shall afford access to these facilities for necessary modification of services. Underground facilities, structures, and utilities have been plotted from available surveys and records, and therefore their locations must be considered approximate only. It is possible there may be others, the existence of which is presently not known or shown. It is the Contractor's responsibility to determine their existence and exact location, and to avoid damage thereto. No claims for additional compensation will be allowed to the Contractor for any interference or delay caused by such work.

Any irrigation encountered during the project shall be cut, capped, and marked for future repair by the City. Contractor shall use caution to not damage irrigation outside of the work area.

Contractor shall abide by city's noise ordinance, including pavement sawing. Quiet hours are 9:00 PM to 6:30 AM.

Des Moines Water Works is in charge of the Water Utility in the City of Windsor Heights.

### UTILITY CONTACTS

MID AMERICAN ENERGY SCOT ENGER 10510 DOUGLAS AVENUE URBANDALE, IA 50322 515-252-6565 SEEnger@MidAmerican.com	CITY OF URBANDALE SCOTT APLAND 3600 86TH STREET URBANDALE, IA 50322 515-278-3950 SApland@Urbandale.org
---	---

CENTURY LINK ROBIN DePENNING 2103 E. UNIVERSITY AVENUE DES MOINES, IA 50317 515-451-1538 Robin.DePenning@CenturyLink.com	MEDIACOM PAUL MAY 2205 INGERSOLL AVENUE DES MOINES, IA 50312 515-246-2252 PMay@MediacomCC.com
---	--

URBANDALE WATER UTILITY GAIL PALMER 3720 86TH STREET URBANDALE, IA 50322 515-278-3940 GPalmer@UrbandaleWater.org	CITY OF WINDSOR HEIGHTS DALTON JACOBUS 1145 66TH STREET WINDSOR HEIGHTS, IA 50324 515-645-6825 PublicWorks@WindsorHeights.org
---	--

DES MOINES WATER WORKS  
DOUG ANDERSON  
2201 GEORGE FLAGG PARKWAY  
DES MOINES, IA 50321  
515-343-4032  
DAnderson@dmww.com

## ESTIMATED PROJECT QUANTITIES

Item Number	Item Code	Item	Quantities		
			Unit	Total	As-Built
1	4050-H-1-7016	Spot Repairs by Pipe Replacement - 7016 Townsend	EA	1	
2	4050-H-1-8118	Spot Repairs by Pipe Replacement - 8118 N W C D	EA	1	
3	4050-H-1-70DM	Spot Repairs by Pipe Replacement - 70th & DelMatro	EA	1	
4	7030-A-SW	Removal of Sidewalk	SY	11	
5	7030-A-DW	Removal of Driveway	SY	24	
6	7030-E-PCC-5	Sidewalk, PCC, 5 Inch	SY	11	
7	7030-H-1-PCC-6	Driveway, PCC, 6 Inch	SY	24	
8	7040-A-PCC-8	Full Depth Patches, PCC, 8 Inch	SY	158	
9	8010-B	Temporary Traffic Control	LS	1	
10	9010-B-T1	Hydraulic Seeding, Seeding, Fertilizing, and Mulching	LS	1	

## ESTIMATE REFERENCE NOTES

Data listed below is for informational purposes only and shall not constitute a basis for any extra work orders.

Item Number	Item	Description
1 2 3	4050-H-1-7016 4050-H-1-8118 4050-H-1-70DM	The City will coordinate the project with the affected property owners. Protect all existing utilities. All backfill to be compacted to 95% of maximum Standard Proctor Density. Contractor to pay for all City required testing. Contractor to use Smith-Blair 261, Smith-Blair 441, HYMAX Coupling, or approved equal connecting new pipe to existing pipe. RUBBER COUPLERS WITH SHEAR BANDS ARE NOT ALLOWED. For the two spot repairs located at 8118 North Walnut Creek Drive and 70th Street/DelMatro Avenue, the contractor will expose the sewer main at the location where the utility bored through the sewer and the utility company will relocate the utility.
4 5	7030-A-SW 7030-A-DW	Sidewalk to be removed is at 8118 N Walnut Creek Drive spot repair. Existing sidewalk is asphalt. Driveway to be removed is at 7016 Townsend Avenue spot repair. Existing driveway is PCC. All removals to become the property of the contractor.
6	7030-E-PCC-5	Sidewalk to be PCC C-4 Mix. Existing sidewalk is 8.5' wide trail and narrows down to 5.5' wide ramp at the street. New sidewalk to have 8.5' width at the street. Install detectable warning panels in new sidewalk. Detectable warning panels to be Armor Tile, ADA Solutions or approved equal, brick red in color, and cast-in-place. All sidewalks shall be ADA compliant.
7	7030-H-1-PCC-6	Driveway to be PCC C-4 Mix.
8	7040-A-PCC-8	Refer to D sheets for locations. The pavement to be removed consists of 20 SY of 6" reinforced PCC, 50 SY of 7" nonreinforced PCC, and 88 SY of 6" reinforced PCC with a 2" asphalt overlay. Curb shall be considered incidental. Contractor to use C-4 mix. All backfill operations shall be done as soon as maturity has been reached. All streets shall be cleaned at the end of each work day of all dirt, concrete, etc.
9	8010-B	All traffic control to be per the Manual On Uniform Traffic Control Devices (MUTCD) and shall be maintained 24 hours per day. All traffic control not in use shall be removed from the roadway at the end of each day. Includes signage for ADA pathway closures. Includes all materials, equipment and labor to install and maintain safety fences around all excavations. One lane of traffic will be maintained at all times in construction areas except as noted below: At 70th Street and DelMatro Avenue, both lanes of traffic on 70th Street shall be maintained at all times. Del Matro Avenue between 73rd Street and 70th Street will be closed to local traffic only. Del Matro Avenue will be completely closed both directions from 70th Street going west to the driveways of 7004 and 7005 Del Matro Avenue. Contractor to install message boards and signage in advance of the closure alerting motorists of the complete closure.
10	9010-B-T1	Type 1 Permanent Lawn Mixture per SUDAS Specifications. All grass areas disturbed by the contractor operations shall be seeded.

