

**CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
Wastewater Management Division**

CONTRACT NO. CE91241 PROJECT NAME: 2009 SANITARY MASTER PLAN IMPLEMENTATION - Open Cut

ADDENDUM NO. 1 TO CONTRACT DOCUMENTS

Bidders are hereby instructed that the drawings, specifications, and other contract documents are modified, corrected, supplemented and/or superseded for the above mentioned project as hereinafter described in the following attachments:

BID FORM PACKAGE

- None

BID DOCUMENT PACKAGE

- None

SPECIFICATIONS / DRAWINGS

- **Delete** the following note from Sheet 5: ALL SURFACE RESTORATION FROM STATION 15+31 TO STATION 19+30.22 SHALL BE INCLUDED IN THE COST OF THE PIPE.

SUPPLEMENTAL INFORMATION; Q & A

- Question #1: Where are the locations of the water valves for the 12" water line at 16th Avenue and grape Street?

Answer #1: The water valve locations will be determined in the field during construction. The valves are to be used (if necessary) to isolate the flow while the line is removed from service.

- Question #2: Is there any soil boring information for 16th Avenue between Grape Street and Glencoe Street?

Answer #2: There is no soil boring information available from the City. The contractor is responsible to verify soil prior to bidding.

- Question #3: Does the fiber optic line built along side the existing sanitary sewer in 16th Avenue run inside an asbestos cement conduit?

Answer #3: The City believes that yes, the fiber line runs inside an asbestos cement conduit.

- Question #4: Will there be a separate payment for the removal of the asbestos cement conduit if the conduit breaks during construction?

Answer #4: Yes, the City will be responsible to pay for the repair and removal of the conduit if the conduit is damaged during construction.


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- Question #4: Will there be a separate payment for the removal of the asbestos cement conduit if the conduit breaks during construction?

Answer #4: Yes, the City will be responsible to pay for the repair and removal of the conduit if the conduit is damaged during construction.

--end--

This **ADDENDUM** shall be attached to, become a part of, and be returned with the Bid Proposal.



Lesley B. Thomas
City Engineer

November 4, 2009

Date

The undersigned bidder acknowledges receipt of this Addendum. The Proposal submitted herewith is in accordance with the stipulations set forth herein.

Contractor

ADDENDUM NO. 1

DATE: _____

Querry, Wayne D. - WMD

From: Vullo, Lou A. [Lou.Vullo@denverwater.org]
Sent: Tuesday, August 26, 2008 8:03 AM
To: Querry, Wayne D. - WMD
Subject: Yosemite & Cornell Sanitary Sewer

Hi Wayne-

I Just wanted to give you my comments on the Yosemite and Cornell Sanitary Sewer Project.

Project Number: PG70308_143

Item 1: Sheet 5, S. Wabash Circle and S. Xanthia Ct. It will be necessary to follow proper procedures to protect the existing 6" cast iron water main when installing the proposed sanitary sewer underneath it.

Querry, Wayne D. - WMD

From: Erickson, David C. - Environmental Health
Sent: Wednesday, August 13, 2008 11:58 AM
To: Querry, Wayne D. - WMD
Subject: Yosemite & Cornell Sanitary Sewer

Wayne,

Attached is the environmental summary for the Yosemite & Cornell sanitary sewer project. From our research and site visit we did not identify recognized environmental conditions that likely will impact the construction. Please let me know if you have questions or concerns regarding this information.

Dave Erickson
City and County of Denver
Department of Environmental Health
Division of Environmental Quality
201 West Colfax Ave. Dept. 1009
Denver, CO 80202-5332

720 865 5433 Telephone
720 865 5534 Facsimile



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INTEROFFICE MEMORANDUM

TO: Wayne Querry, PE, Department of Public Works
FROM: Dave Erickson, Environmental Quality Division
DATE: August 12, 2008
SUBJECT: Yosemite & Cornell Sanitary Sewer Environmental Screen

At your request, Denver Department of Environmental Health, Environmental Quality Division (EQ) conducted a limited environmental review of the Yosemite and Cornell Sanitary Sewer project (subject project area). This review was performed to identify recognized environmental conditions that may impact construction of a sanitary sewer within the subject project area. The subject project area is shown in Figure 1.

Executive Summary and Recommendations

Based on available information reviewed, it is EQ's opinion that the subject project area is not a likely source of petroleum or hazardous waste contamination and no recognized environmental conditions likely exist on the subject project area that will negatively impact construction of the Yosemite & Cornell Sanitary Sewer.

Project Description

This environmental review was performed to obtain information that would indicate or identify recognized environmental conditions in connection with the subject project area. The scope of the environmental review consisted of the following:

- Review of existing site investigation reports
- Review of City and County of Denver Historical Landfill database (Pinyon, 1997)
- Review of historical aerial photographs (1933, 2000, 2002, 2004 and 2006)
- Review of county, state and federal lists of known potential hazardous waste sites or landfills, and sites currently under investigation for environmental violations, including any registered underground storage tanks (FirstSearch report run August 7, 2008)
- Review of historical city reverse directories (1970, 1976, 1980, 1985, 1990 and 1998)
- Site visit on August 12, 2008
- Preparation of this memorandum to present a review of the findings.



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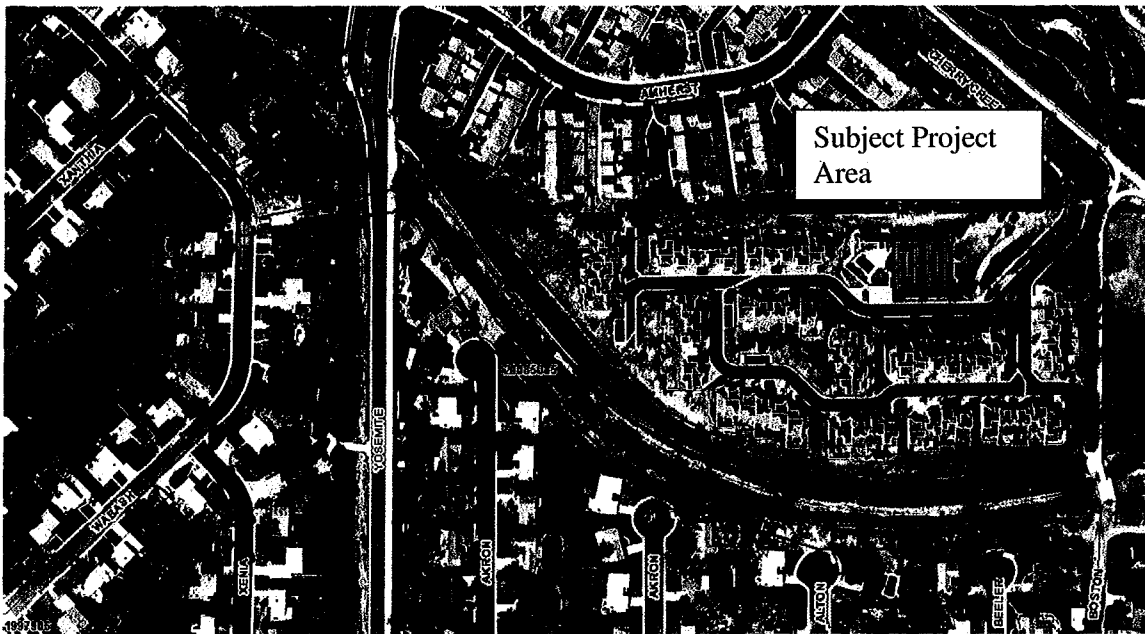


Figure 1. Aerial photograph (2006) showing approximate location of subject project area

Findings and Summary

Historical Occupants. Historical use of the subject project area was evaluated through a review of available aerial photographs, and database searches. The subject project area is residential and based on historical city reverse directories has been residential since before 1970.

Current Conditions. EQ visited the subject project area on August 12, 2008. The subject project area falls within residential housing consisting primarily of single-family dwellings. Roadways adjacent to or crossing the subject project area include South Zanthia Court, South Akron Street, South Akron Court, South Alton Court, Wabash and South Beeler Street. The Highline Canal borders the subject project area to the north. No recognized environmental conditions were observed during the site visit.

On August 7, 2008, EQ performed a regulatory database search of the subject project area, which included known underground storage tanks (USTs); landfills and hazardous waste



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generation or treatment, storage and disposal (TSD) facilities. The specific database search distances from the subject project area compliant with ASTM practice for Phase I Environmental Site Assessments and consisted of the following:

- 0.25-mile radius for registered USTs and Resource Conservation and Recovery Act (RCRA) generators.
- 0.50 mile radius for leaking USTs, Resource Conservation and Recovery Information System (RCRIS) -TSD and Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) sites.
- 1.0 mile radius for Corrective Action, state and federal Superfund sites.

Based on results of the regulatory database search EQ identified no sources of petroleum hydrocarbons or hazardous substances that likely would migrate onto the subject project area. Seven spill areas were reported in the database search; however, the seven spill areas were outside the standard search radius and were not considered recognized environmental conditions. Groundwater is approximately 25 feet below the subject project area and flows primarily to the north.

Limitations

The limited scope of this environmental evaluation must be understood. Future regulatory changes, agency interpretations, and/or concepts of due diligence industry standards are beyond the control of EQ.

EQ's objective is to perform our work with care, exercising the customary skill and competence of Environmental Site Assessment professionals in the relevant disciplines. The opinions presented herein apply to subject property conditions existing at the time of our investigation and those reasonably foreseeable. EQ does not warrant or guarantee the subject property suitable for any particular use or purpose, or certify that the subject property is "clean".

As with any environmental concern, Denver's Department of Environmental Health, Environmental Quality Division is available to advise all city agencies and is pleased to be of service. If you have any questions or concerns that you would like to discuss regarding this limited site evaluation, please telephone Dave Erickson (720-865-5433).

EQ Job# 20085085



Subsurface Soils Test Hole Report - City of Denver - Public Works - Engineering Division

Project Number: PG80308_143

Development Engineering Services - Materials + Quality Acceptance Laboratory
 5440 Roslyn Street, Door E-1, Denver, Colorado 80216
 Telephone: (720) 865-4040 Fax: (720)-865-4171

Reports To: Steve DeHerrera
 Department: Wastewater Management

This Report Printed: 3/6/2008 Page 1 of 2

CATEGORY:

Project Name: South Yosemite Street and E. Cornell Avenue

Date of Original Report : 3/6/2008
 Drill Date : 03/01/08

Pavement Design Required ? None Required

Tests completed on: 03/06/08

Depth Interval (ft.)	Field Description (qualitative: see notes below)		Moisture, %		Clay or Silt %-200 sieve	Lab Testing		Existing Pavement Thickness, (inch)		
	Main Soil Type	Soil type modifier	##% = actual	(##%) = projected		Consistency	AASHTO Classification A-	AASHTO Group Index	Existing Base Course	Existing Concrete Asphalt Pavement
1	T.H. #, on Street: <u>S. Wabash Circle</u>		Specific @ Address, within 50 ft. radius in the street			Legal or GIS Address:	<u>2932 S. Wabash Circle</u>	1.5	6.5	
0-11'	Clay		16% = Moist		Soft-Med. Stiff	36	18	A-6	9	
11-13'	Clay	w/ Sand & Gravel	10% = Sli-Moist		Med-Stiff	40	35	A-6	2	
13-14'	Sand & Gravel	Clayey	5% = Moist		Hard	22		A-1-b	0	
Standard Penetration Test (blows per foot)										
2	T.H. #, on Street: <u>S. Yosemite St.</u>		Specific Location: <u>Highline Canal</u>			Legal or GIS Address:	<u>3000 S. Yosemite St.</u>		8	
0-6'	Clay	Silty	14% = Sli-Moist		Soft	71	36	18	A-6	12
6-14'	Clay		16% = Moist		Med-Stiff	65	36	17	A-6	10
14-16'	Clay		18% = Moist		Hard	63	39	20	A-6	11
Standard Penetration Test (blows per foot)										
Water Comments :										

Abbreviations Used

N=North, E=East, S=South, W=West NBL=North Bound Lane, etc. CL=Centerline WP=wheelpath MH=manhole FL=Flow Line (intesection of curb and gutter)
 NMC=Natural Moisture Content NDD=Natural Dry Density

Notes on Descriptions: All descriptions are qualitative only and generalized for the depth interval shown. No other interpretations or assumptions shall be made.
 Moisture Contents: Moisture Descriptions are generally made in relation to anticipated optimum values of moisture-density (Proctor) curves.
 Consistency: Relative drilling effort within the noted test hole only. Not directly related to any actual soil strength or blow counts.

Subsurface Soils Test Hole Report - City of Denver - Public Works - Engineering Division

Project Number: PG80308_143

Development Engineering Services - Materials + Quality Acceptance Laboratory
 5440 Roslyn Street, Door E-1, Denver, Colorado 80216
 Telephone: (720) 865-4040 Fax: (720)-865-4171

Reports To: Steve DeHerrera
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This Report Printed: 3/6/2008 Page 2 of 2

CATEGORY: Project Name: South Yosemite Street and E. Cornell Avenue

Date of Original Report : 3/6/2008
 Drill Date : 03/01/08

Pavement Design Required ? None Required Tests completed on: 03/06/08

Depth Interval (ft.)	Field Description (qualitative: see notes below)		Moisture, %		Clay or Silt		Lab Testing		Existing Pavement Thickness, (inch)				
	Main Soil Type	Soil type modifier	##% = actual	(##%) = projected	Consistency	%-200 sieve	Liquid Limit	Plasticity Index	AASHTO Classification	AASHTO Group Index	Existing Base Course	Existing Concrete Pavement	Existing Asphalt Pavement

Pavement Design: Assumptions and Thickness Required

- Pavement Design Thickness
- Additional Pavement Design Thickness
- Pavement Design Assumptions
 - Verify soils prior to Paving
- Pavement Materials Criteria-Top
- Pavement Materials Criteria-Mid/Bot

Abbreviations Used

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Department of Public Works
Engineering Division

Capital Projects Management - Dept. 506
Development Engineering Services - Dept. 507
Infrastructure Planning & Programming - Dept. 509
Traffic Engineering Services - Dept. 508

201 W. Colfax Avenue
Denver, CO 80202
www.denvergov.org/PublicWorks

October 8, 2009

MEMORANDUM

TO: Wayne Querry, P.E.

FROM: Justin Schmitz, P.E.

SUBJECT: Project Traffic Control Requirements
Project #PZ72609_143, CE91241

Work on local roadways shall be conducted within the hours of 7am and 7pm and in accordance with the City and County of Denver noise ordinance. Roadway closures shall be limited to two blocks and one intersection and detours per MUTCD standards must be used.

For 16th Avenue work, through traffic should be detoured to Colfax Avenue using Elm Street and Hudson Street. Local Access should be maintained from these cross streets to the work zone.

All locations will require a street occupancy permit obtained from construction engineering at 303-446-3469.

- Item #1-Remove note on Sheet 5 of 6 that states: ALL SURFACE RESTORATION FROM STATION 15+31 TO STATION 19+30.22 SHALL BE INCLUDED IN THE COST OF THE PIPE. ✓
- Add the following attached Utility and Traffic control letters to the contract: Denver Water email, Denver Department of Environmental Health email and environmental screen, Subsurface Soils Test Hole Report and Denver Traffic Control letter.
- Question #1: Contractor asked to identify the location of the water valves for the 12" water line at 16th Avenue and Grape Street.
- Answer: The water valve location is to be determined in the field during construction. The valves are to be used, (if necessary) to isolate the flow while the line is removed from service.
- Question#2: Contractor asked if there was any soil boring information for 16th Avenue between Grape Street and Glencoe Street.
- Answer: There is no soil boring information available from City. Contractor is responsible to verify soil prior to bidding.
- Question#3: Contractor asked if the fiber optic line built along side the existing sanitary sewer in 16th Avenue was run inside asbestos cement conduit. Contractor asked if there would be separate payment for the removal of asbestos cement conduit if the conduit got broken during construction.
- Answer: The City believes that yes, the fiber line running along side the existing sanitary sewer is inside an asbestos cement conduit. If the asbestos cement conduit gets damaged during construction then the City will be responsible to pay for the repair and removal of the conduit.