March 11, 2022

SUBJECT: VILLAGE OF HOFFMAN ESTATES

ARIZONA BOULEVARD STORM SEWER REPLACEMENT PROJECT

ADDENDUM NO. 1

To Whom It May Concern:

Please make reference of the following changes to the above contract:

PLANS:

- 1. The "DETAILS" sheet C6.1 has been revised to reflect changes to the details for Manhole, Catch Basin, and Inlet. Replace Sheet C6.1 dated 3/2/2022 with revised Sheet C6.1 Addendum #1 dated 3/10/2022.
- 2. The "DETAILS" sheet C6.2 has been revised to add the detail for Weephole. Replace Sheet C6.2 dated 3/2/2022 with revised Sheet C6.2 Addendum #1 dated 3/10/2022.

SPECIFICATIONS:

1. The project specifications are hereby amended to include the subsurface exploration and laboratory analysis report by Midland Standard Engineering & Testing, Inc. of South Elgin, Illinois and dated January 6, 2022.

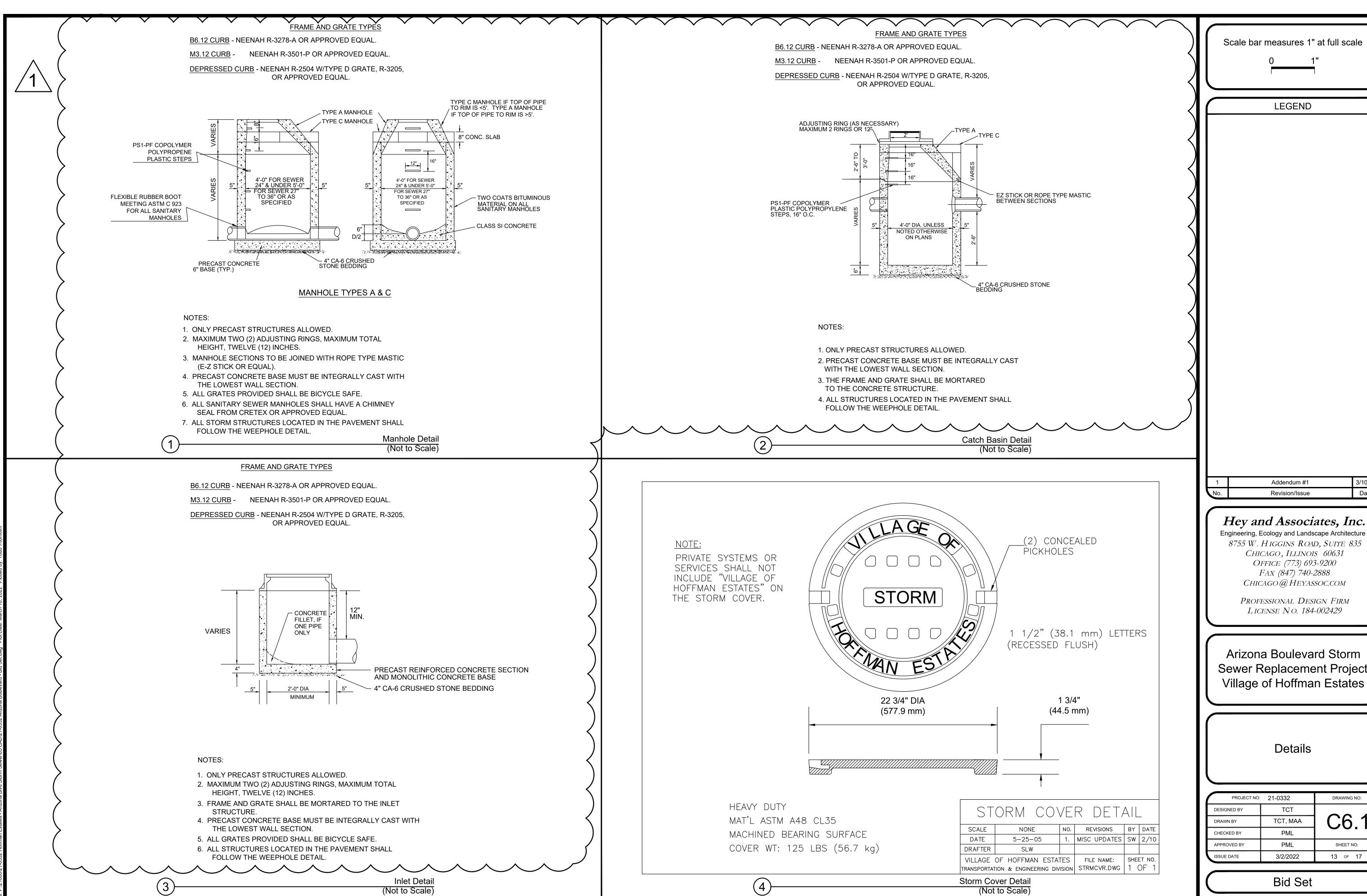
THESE CHANGES TO THE ABOVE DOCUMENTS MUST BE REFLECTED IN THE BIDS SUBMITTED TO THE VILLAGE. THE ABOVE CLARIFICATION HAS BEEN MADE TO ASSIST YOU IN PREPARING YOUR PROPOSAL.

Also attached please see letter to clarify some questions and concerns regarding the Arizona Blvd Storm Sewer Replacement Project.

PLEASE SIGN BELOW TO VERIFY RECEIPT OF THE ADDENDUM AND RETURN WITH YOUR BID.

Company/Bidder:	Date:
Name & Title:	Signature:
Please direct any questions to the Villa roadconstruction@hoffmanestates.org.	ge Engineering Division, at (847) 252-5800 o
Sincerely,	
1. / _	

Alan Wenderski, P.E. Director of Engineering



Scale bar measures 1" at full scale

3/10/22 Date

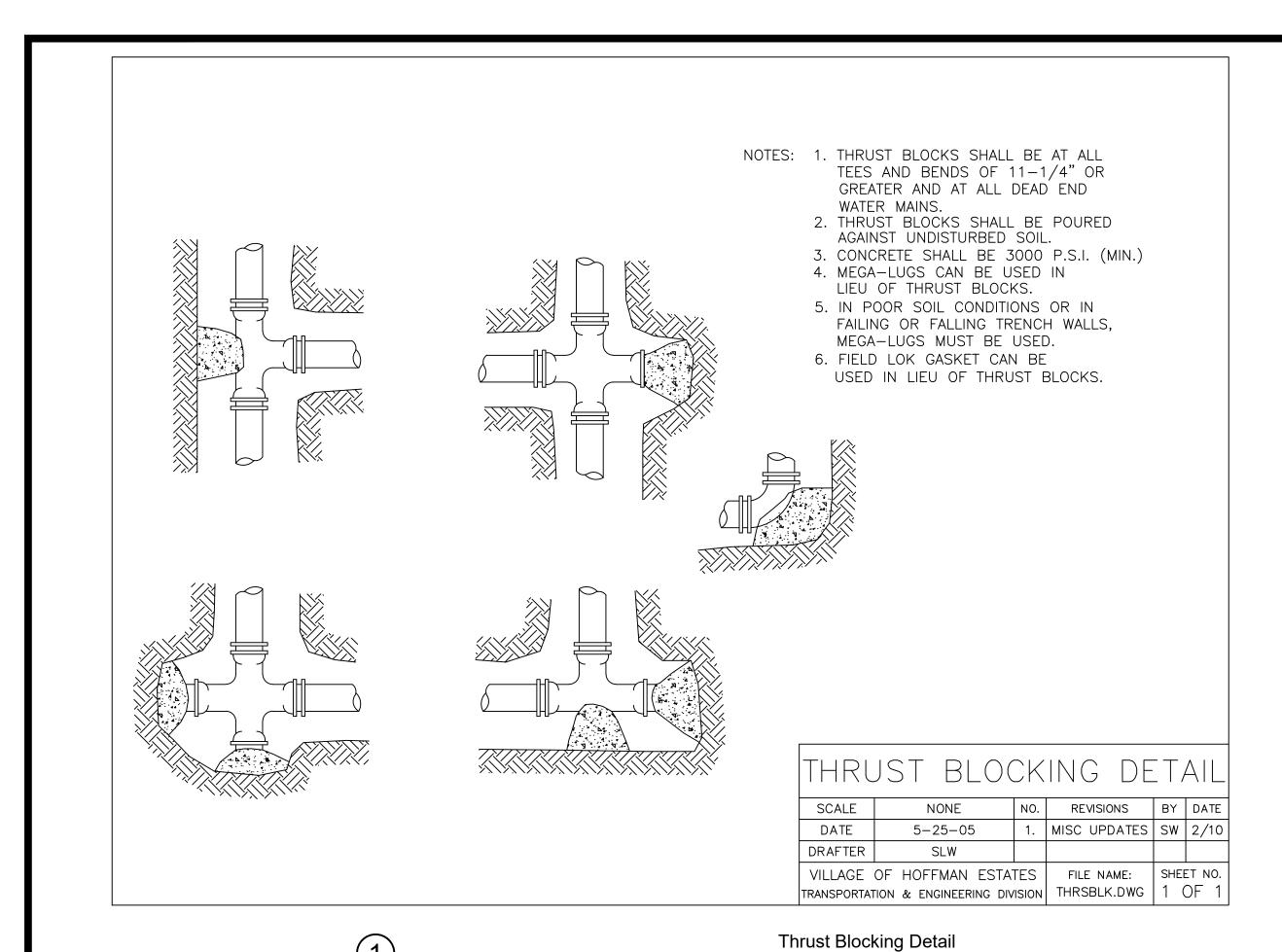
Hey and Associates, Inc.

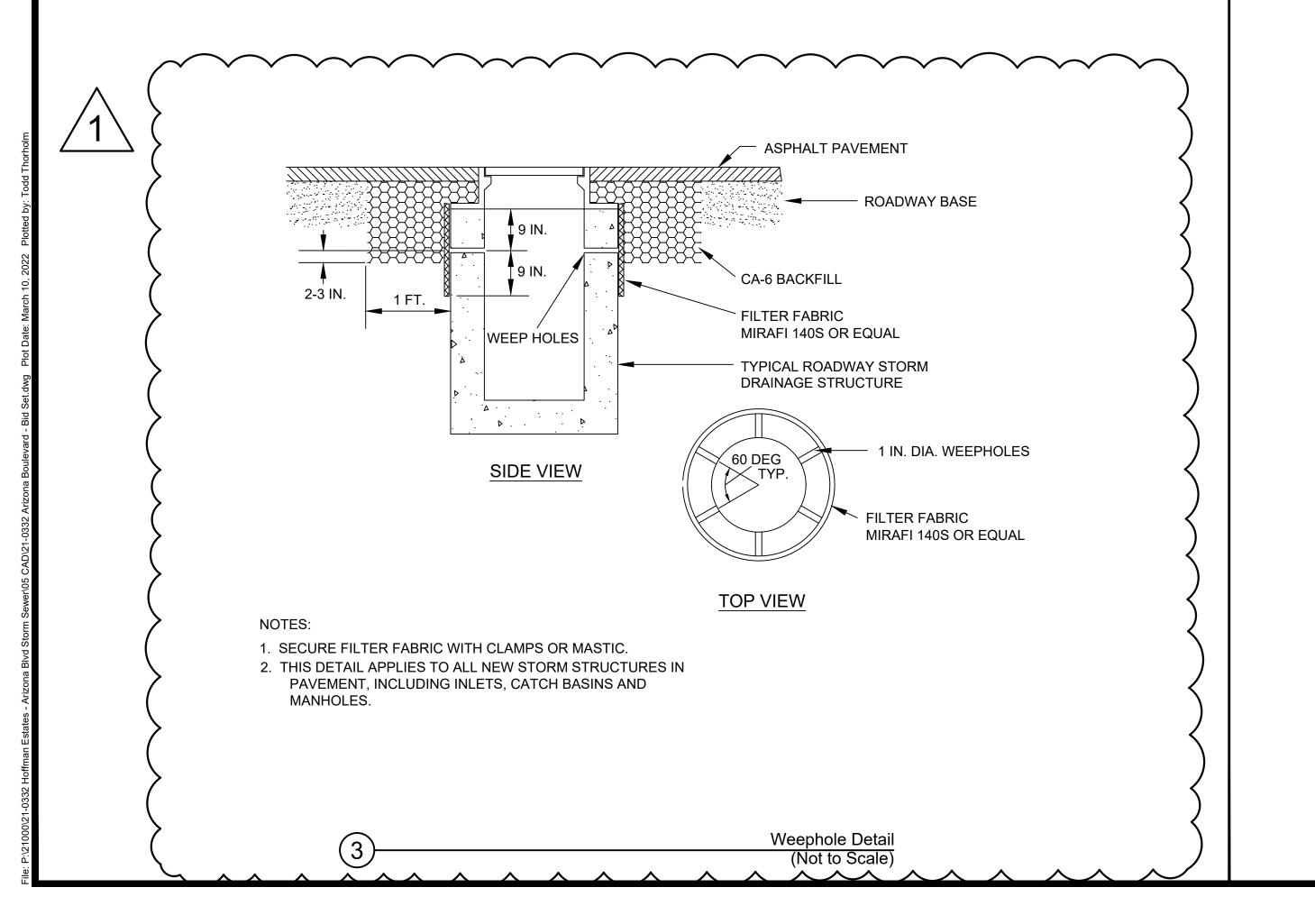
8755 W. HIGGINS ROAD, SUITE 835 Chicago, Illinois 60631 Office (773) 693-9200 FAX (847) 740-2888 CHICAGO @ HEYASSOC.COM

License No. 184-002429

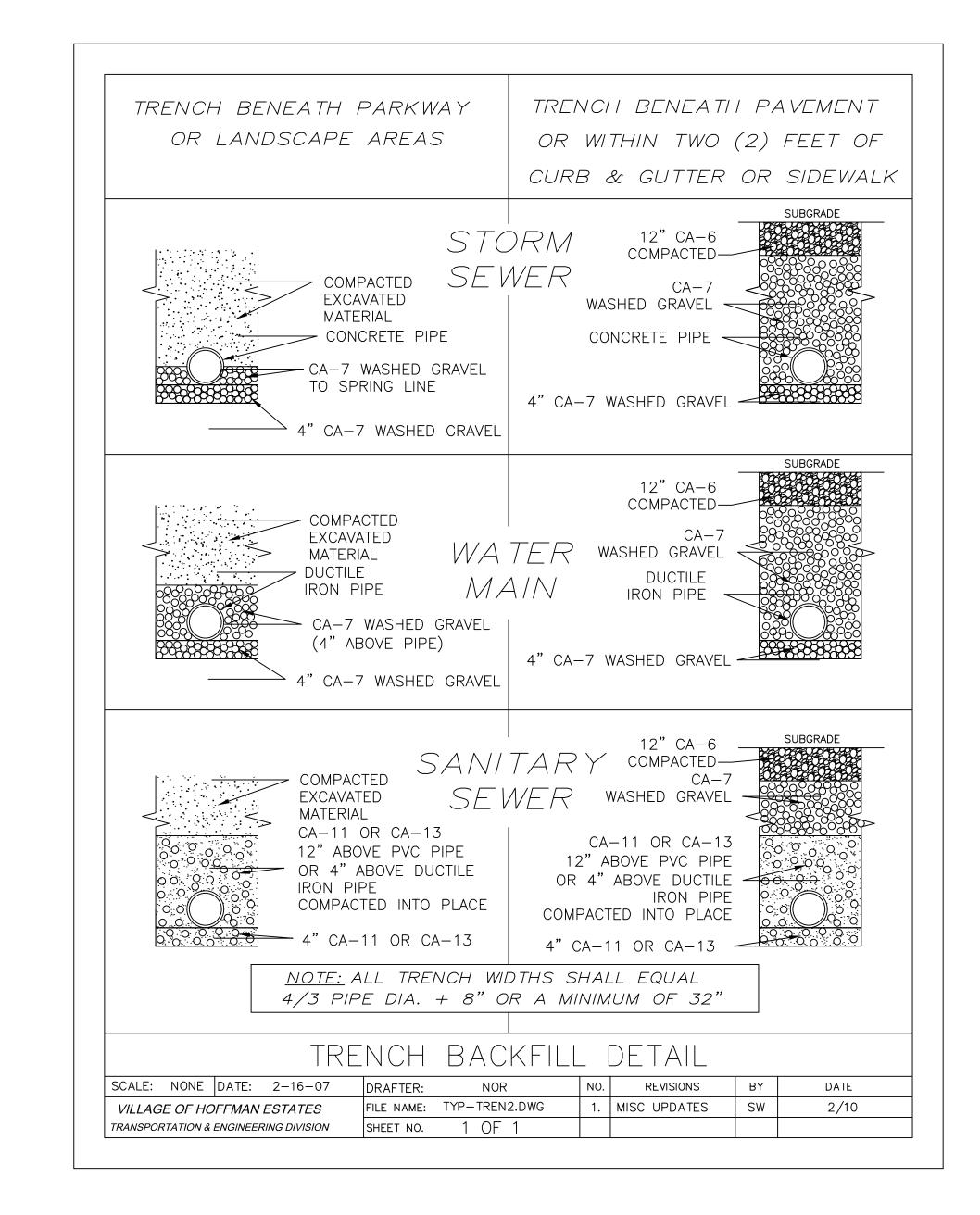
Arizona Boulevard Storm Sewer Replacement Project Village of Hoffman Estates

PROJECT NO:	21-0332	DRAWING NO:
ESIGNED BY	TCT	
RAWN BY	TCT, MAA	l C6.1 l
HECKED BY	PML	
PPROVED BY	PML	SHEET NO:
SUE DATE	3/2/2022	13 of 17





(Not to Scale)



Scale bar measures 1" at full scale

LEGEND

1 Addendum #1 3/10/22
No. Revision/Issue Date

Hey and Associates, Inc.

Engineering, Ecology and Landscape Architecture 8755 W. HIGGINS ROAD, SUITE 835
CHICAGO, ILLINOIS 60631
OFFICE (773) 693-9200
FAX (847) 740-2888
CHICAGO @ HEYASSOC.COM

Professional Design Firm License No. 184-002429

Arizona Boulevard Storm Sewer Replacement Project Village of Hoffman Estates

Details

PROJECT NO:	21-0332	DRAWING NO:			
DESIGNED BY	TCT				
DRAWN BY	TCT, MAA	l C6.2 L			
CHECKED BY	PML				
APPROVED BY	PML	SHEET NO:			
ISSUE DATE	3/2/2022	14 of 17			

Bid Set

2

Trench Backfill Detail (Not to Scale)



MIDLAND STANDARD ENGINEERING & TESTING, INC.

410 Nolen Drive South Elgin, Illinois 60177 (847) 844-1895 f(847) 844-3875

January 6, 2022

Mr. Patrick Lach, P.E. **Hey & Associates, Inc.** 8755 W. Higgins Road, Suite 835 Chicago, Illinois 60631

Re: Soil Exploration and Analysis

Arizona Boulevard Storm Sewer

Hoffman Estates, Illinois MSET File No. 21731

Dear Mr. Lach:

Midland Standard Engineering & Testing, Inc. (MSET) has conducted a subsurface exploration and laboratory analysis for the above referenced project.

Scope and Purpose

The purpose of this exploration and analysis was to determine the various soil profile components, the engineering characteristics of the materials, the existing pavement section, and to provide criteria for use by the design engineers in preparing project plans for the new storm sewer. The work included sample scanning and testing for soil disposal at a CCDD facility. The scope of this exploration included a geological reconnaissance of the site, subsurface exploration, soil testing, and an engineering analysis and evaluation of the material encountered.

General

The exploration and analysis of the subsurface conditions reported herein are considered in sufficient detail and scope to form a reasonable basis for final design. This report has been prepared for the exclusive use and specific application to the proposed project.

The recommendations submitted are based on the available soil information and the preliminary site plans furnished to us. Any revision in the plans for the proposed improvement from those enumerated in this report should be brought to the attention of the Soils Engineer so that he may determine if changes in the recommendations are required. If deviations from the noted subsurface conditions are encountered during construction, they should also be brought to the attention of the Soils Engineer.

The Soils Engineer warrants that the findings, recommendations, specifications or professional advice contained herein have been promulgated after being prepared in accordance with generally accepted professional engineering practice in the fields of foundation engineering, soil mechanics and engineering geology. No other warranties are implied or expressed.

After the plans are more complete, it is recommended the Soils Engineer be provided the opportunity to review the final design and specifications, in order that the soil recommendations may be properly interpreted and implemented. At that time, it may be necessary to submit supplementary recommendations.

FIELD EXPLORATION

General

The geotechnical field investigation to determine the engineering characteristics of the subsurface materials for the sewer included a making six (6) soil borings along the storm sewer alignment to depths of fifteen (15) feet below the ground surface. Reference the attached Boring Location Diagram for details of the boring locations. The ground surface elevation at the boring locations was determine using a Trimble Catalyst GNSS Receiver.

Drilling Equipment

The geotechnical soil brings were drilled using a Geoprobe® 3100 drill rig equipped with a rotary head. The holes were advanced using hollow stem augers. The drill rig was equipped with an automatic drop hammer for standard penetration testing.

Sampling and Standard Penetration Test Procedures-Geotechnical Borings

Representative samples were obtained by the use of split-spoon sampling procedures in accordance with A.S.T.M. Procedure D-1586.

During the split-spoon sampling procedures, a standard penetration test was performed in accordance with current A.S.T.M. D-1586 Procedures. At sampling intervals, advancement of the boring was stopped and all loose material removed from the borehole. The sampler was than lowered into the hole and seated in undisturbed soil by pushing or tapping, taking suitable precautions that the rods were reasonably tight. The sampling spoon was then advanced by driving with an automatic drop hammer. During the sampling procedure, the standard penetration value (N) of the soil was determined. The standard penetration value (N) is defined as the number of blows of a one hundred-forty pound (140 lb) hammer required to advance the spoon sampler one foot (12") into the soil.

The results of the standard penetration tests indicate the relative density and comparative consistency of the soils and thereby provide a basis for estimating the relative strength and compressibility of the soil profile components. The results of standard penetration tests can be found on the boring logs, which are attached.

Strength Tests

During the field borings operations, samples of the predominately cohesive soil from the split-spoon sampling device were tested using a calibrated soil penetrometer to aid in determining the strength of the soil. Consideration must be given to the manner in which the values of the unconfined compressive strengths were obtained. Split-spoon sampling techniques provided a representative, but somewhat disturbed, soil sample.

Water Level Measurements

Water level observations were made during and after the boring operations and are noted on the boring logs presented herewith. In relatively previous soils, such as sandy soils, the indicated elevations are considered reliable groundwater levels. In relatively impervious soils, the accurate determination of the groundwater elevation may not be possible, even after several days of observation. Seasonal variations, temperatures, and recent rainfall conditions may influence the levels of the groundwater table, and volumes of water depend on the permeability of the soils.

LABORATORY TESTING

Scope-Geotechnical

A supplemental laboratory-testing program was conducted to ascertain the pertinent engineering characteristics for the subsurface materials necessary in analyzing the behavior of the proposed construction. The soils laboratory work was preformed in accordance with applicable A.S.T.M. standards. The laboratory-testing program included visual classification and moisture content determinations on all split-spoon samples. All cohesive soil samples obtained from the split-spoon were also tested for unconfined compressive strength (Qu). Select samples were subjected to soil pH testing. The results of this laboratory testing are presented on the attached boring logs.

PROJECT DESRIPTION AND FINDINGS

Project and Site Description

The proposed storm sewer for this project consists of a 152 foot long section along the east side of Cumberland and then a 983 foot, east-west run along the south side of Arizona Boulevard. We anticipate the storm sewer would be located from 6 to 7 feet below the ground surface.

Subsurface Conditions

The general soil profile encountered in the borings is very stiff to hard Lean CLAY with moisture contents, Mc of 16 to 23 percent and continuous to a depth of 15 feet. There are occasional lower strength zones in the CLAY, such as at B-1, the CLAY was stiff from a depth of 3 to 10 feet with Mc of 13 to 41 percent and Qu of 1.16 to 1.98 tsf. At borings B-5 and B-6, from a depth of 3 to 8 feet, the CLAY contains more sand and was in a moist condition.

Ground water measurements were made during drilling and at the completion of the boring. All borings were found to be dry during these measurements. The long term ground water level for design can be taken as the change to all grey soil coloration that occurs at a depth of 8.0 to 10.5 feet in the borings.

Details of the soil encountered in the borings is shown on the attached 'Log of Boring' sheet.

Pipe Subgrade Soil Conditions

The soil anticipated to be exposed at pipe subgrade level based on the soil borings is shown in the table below. Pipe support should be developed by providing a <u>minimum</u> of six (6) to eight (8) inches of IDOT CA-05 or CA-07, bedding layer.

Boring Number	Location	Estimated Pipe Invert Depth	Soil Description	Subgrade Treatment
B-1	Cumberland	6 feet	Stiff Fat CLAY, CL, Qu=1.16 tsf	Standard Pipe Bedding
B-2	Arizona	6 feet	Very stiff Lean CLAY, CL Qu=3.76 tsf	Standard Pipe Bedding
B-3	Arizona	7 feet	Hard Lean CLAY, CL Qu=4.50 tsf	Standard Pipe Bedding
B-4	Arizona	6 feet	Hard Lean CLAY, CL Qu=4.97 tsf	Standard Pipe Bedding
B-5	Arizona	7 feet	Very stiff Lean CLAY, CL Qu=3.0 tsf	Standard Pipe Bedding
B-6	Arizona	7 feet	Very stiff Lean CLAY, CL Qu=2.79tsf	Standard Pipe Bedding

GENERAL DESIGN AND CONSTRUCTION CONSIDERATIONS

Excavation and Trench Support

Stiff to hard natural CLAY was encountered in most of the borings and shallow depth trenches are expected to stand nearly vertical for short periods of time. Softer zones in the CLAY were noted at B-1 and B-5. Please note that OSHA and local codes require the use of shoring and bracing in the excavations during foundation and utility installation, the contractor should be well versed in these requirements.

Sewer and Structure Backfill

All excavation and trench backfill work should be conducted in accordance with Article 550 of the Standard Specifications for Road and Bridge Construction. All structural elements should be backfilled in accordance with Article 502.10 'Backfilling', in Excavation for Structures Section 502 of the Standard Specifications for Road and Bridge Construction.

Protection of Adjacent Utilities and Roadways

Excavations extending below any existing utility components and the adjacent roadway may cause future settlement problems if not protected. Procedures for the protection of any existing utilities and roadway should be reviewed and presented to the supervising engineer, prior to the start of work.

Closure

The recommendations presented herein are based on the information available at the time of this writing. After the plans and specifications are more complete, we welcome the opportunity to review them with respect to prevailing soil and ground water conditions.

1/6/22 Page 4 of 5

At that time, it may be necessary to conduct further analysis and submit supplementary recommendations. If the plans are changed with respect to the location of the sewer or culverts, the soils information must be reviewed to determine whether it is pertinent to the new plans.

Thank you for the opportunity to provide our services to you on this project. If you have any questions or require further analysis, do not hesitate to contact us.

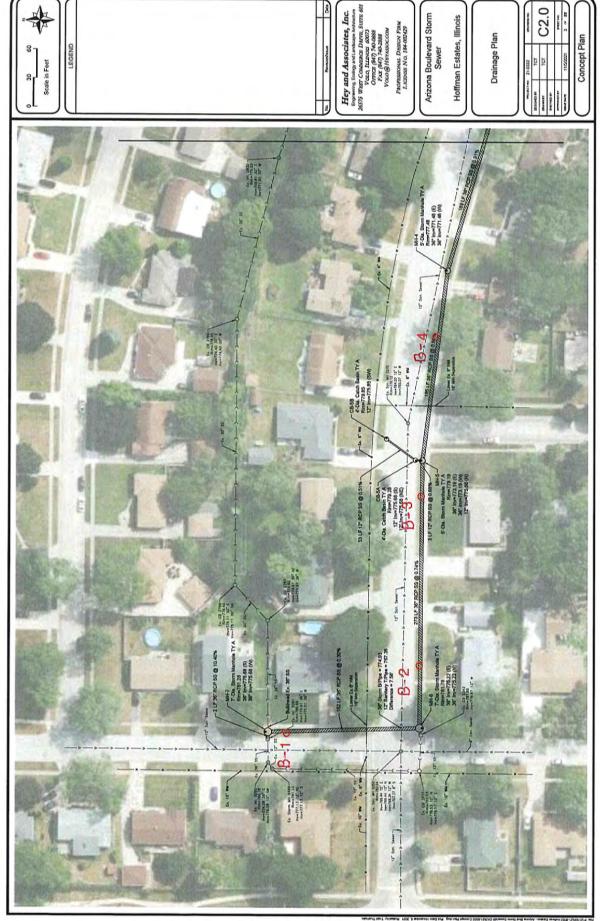
Sincerely,
MIDLAND STANDARD ENGINEERING & TESTING, INC.

William J. Wyzgala, P. E. Project Engineer

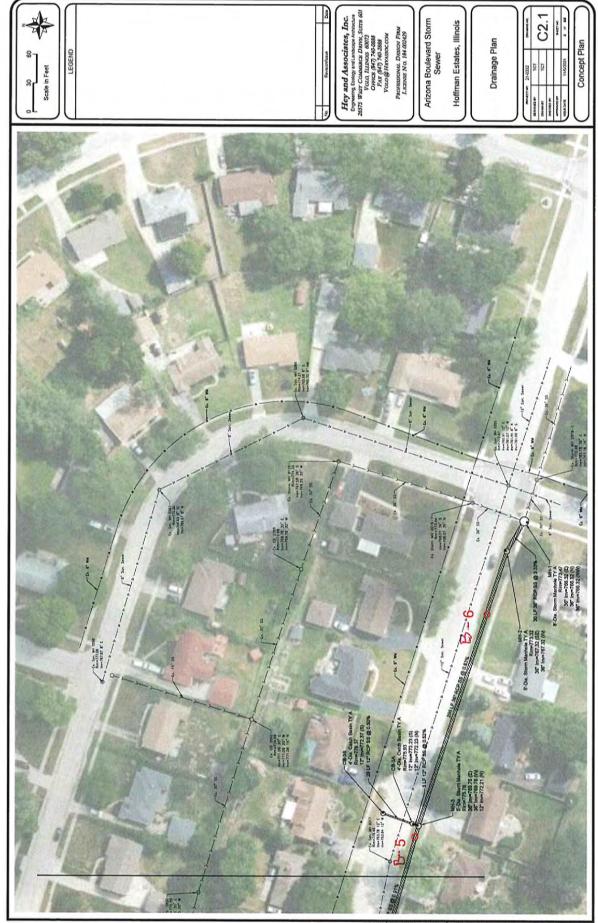
Attachments: Boring Location Map

Boring Logs B-1 through B-6

General Notes IEPA form LPC-662



MSET Project 21731



MSET Project 21731

MSET	PROJECT	T NO.: 2	1731 LOG (OF BORII	NG N	0. 1	B-1			Pa	ge 1 of 1		
PROJE	ECT: _	Ar	izona Blvd Storm Sew	ver	SITE	LOC	ATIO	N: _	1	Hoffman Es	states, IL		
BORIN	IG LOCA	ATION: _	1053356.542E, 195800	1.809N	CLIE	NT:		Hey & Associates					
						AMPL	E		TE	STS			
DEPTH (feet)	SOIL		Material Description	Elevation	TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	REMARKS		
0	7///	CLAY		781									
2.5		very s	Lean CLAY with Sand, tiff	CL,	ss	1	5	26		2.0 (Qp)			
		Brown	Fat CLAY with Sand, C	CH, stiff 778.	.6								
5 -					SS	2	9	36	77	1.82	pH = 7.89		
		Grey,	trace Brown Fat CLAY,	CH, 776.	.1								
					ss	3	2	41	77	1.16			
7.5			and Grey Lean CLAY w	vith 773.	6								
10 -		Sand,	CL, stiff		ss	4	13	18	111	1.98			
		Grey L	ean CLAY with Sand, C	L, hard 771.	1			Н					
12.5					SS	5	10	21	105	4.46			
12.0													
15_					ss	6	14	19	96	2.99			
, , , ,		End of	Boring at 15.0'	766.	6								
de la constitución de la constit		- 41	<u></u>										
DURING IMMEDI	DRILLIN	BSERVATION IG: AFTER DRILI ING AFTER	₩ None LING: ₩ Dry		MSE	Г		LOC	RING C	TARTED: OMPLETED: BY; METHOD:	12/16/21 12/16/21 MF HSA		

MSET	PROJECT	ΓNO.: 2	LOG OF	BORIN	IG N	0. 1	3-2					
PROJE	ECT: _	Ar	izona Blvd Storm Sewer		SITE	LOC	ATIO	N: _	1	Hoffman E	states, IL	
BORIN	IG LOCA	ATION: _	1053433.124E, 1957872.4	167N	CLIE	NT:			Hey	y & Associa	ates	
					S	SAMPL			TES	STS		
DEPTH (feet)	SOIL		Material Description	Elevation	TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	REMARKS	
0	-333333	TOPS	OIL - Black CLAY (7")	781.	5		72.0			7.0		
2.5		Black I stiff	Lean CLAY with Sand, CL,	, very ^{780.}	SS	1	11	29	79	2.41		
		Brown	Lean CLAY with Sand, CL	L, 778.	5							
5 -		Haru to	o very stiff		ss	2	7	22	101	4.42	pH = 7.88	
7.5					ss	3	12	21	91	3.76		
		Grey L to very	Lean CLAY with Sand, CL, y stiff	hard 773.5	SS	4	17	19	108	6.40		
10-												
12.5					ss	5	10	20	95	3.26		
					ss	6	7	21	105	3.57		
15_		End of	Boring at 15.0'	766.5	Š							
DURING IMMEDI	DRILLING	DBSERVATION	LING: None Dry		MSET	Т		LOC			12/16/21 12/16/21 MF HSA	

		ROJECT NO.: 21731 LOG OF BORING NO. B-				8-3			A Company of the Comp	age 1 of 1	
PROJE	ECT: _	Ari	izona Blvd Storm Sewe	<u>r</u>	SITE	LOC	CATIO	N: _		Hoffman Es	states, IL
BORIN	IG LOCA	ATION: _	1053609.424E, 1957870.9	963N	CLIE	NT:			He	y & Associa	ates
				7		AMPL			TE	STS	
DEPTH (feet)	SOIL		Material Description	Elevation	TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	REMARKS
0	333333	TOPSO	OIL - Black CLAY (8")	780.	2						
2.5 -			Grey and Brown Lean CLA and, CL, very stiff	AY 779,	ss	1	6	20	104	2.83	
5 -					ss	2	6	22	93	3.22	
7.5					SS	3	9	22	101	4.50	pH = 7.70
10-					ss	4	9	23	88	2.10	
12.5		Grey Le stiff to	ean CLAY with Sand, CL, stiff	very 769.	SS	5	6	22	102	2.83	
					ss	6	6	22	99	1.82	
15_		End of	Boring at 15.0'	765.2	2						
DURING	DRILLIN	DBSERVATIO	₩ None		MSET	T		BOF		TARTED: OMPLETED: BY:	12/16/21 : 12/16/21 MF HSA

-	PROJECT	Arizona Blvd Storm Sewer	ORIN					-	An about the	ge 1 of 1
ROJE	ст:	SITE	LOC	ATIO	ON: Hoffman Estates, IL					
ORIN	G LOCA	ATION: 1053780.71E, 1957855.452N	1	CLIE	NT:			Hey	& Associa	ites
				S	AMPL				STS	
(feet)	SOIL	Material Description	Elevation	TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	REMARKS
0	333333	TOPSOIL - Black CLAY (7")	778.8							
.5 –		Brown Lean CLAY with Sand, CL, stiff to hard	778.2	ss	1	9	16	93	1.48	
5-				SS	2	10	19	109	5.28	
.5 –				SS	3	11	20	93	4.97	pH = 7.83
10 -				ss	4	15	22	103	5.66	
.5 –		Grey Lean CLAY with Sand, CL, ver stiff to hard	ry 768.3	SS	5	10	20	94	3.61	
5_				ss	6	14	20	107	4.50	
		End of Boring at 15.0'	763.8							
RING	DRILLIN	DBSERVATIONS, ft. IG: Vone FIFTER DRILLING: Dry ING AFTER		use:	P		LOC	RING C	TARTED: OMPLETED: Y: ETHOD;	12/16/21 12/16/21 MF HSA

MSET	PROJEC [*]	T NO.: 2	1731 LOG	OF BOR	IN	G N	0. 1	3-5			Pa	ge 1 of 1	
PROJE	CT:	Ar	izona Blvd Storm S	Sewer	_	SITE	LOC	ATIO	N: _		Hoffman Es	tates, IL	
BORIN	G LOCA	ATION: _	1054003.636E, 195	7799.036N	_	CLIE	LIENT:				Hey & Associates		
					T	S	AMPL	-		TE	STS		
DEPTH (feet)	SOIL		Material Description		Elevation	TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	REMARKS	
0	333333	TOPSO	OIL - Black CLAY (8-	1/2") 7	76,8								
2.5 -		Sand,	and Grey Lean CLA' CL, very stiff seam at 2.0'	Y with 7	76.1	ss	1	12	26		2.0 (Qp)		
		Brown (SC), s to soft		an CLAY, 7	73.8	ss	2	4	23	86	1.0 Qp	pH = 8.07	
5 -							-	Ä	20		1.0 Qp		
4			and Grey Lean CLA' CL, very stiff	Y with 7	71.3								
7.5						SS	3	6	22		3.0 (Qp)		
4 4		Grey L stiff	ean CLAY with Sand	I, CL, very ⁷⁰	8.8	SS	4	9	20	95	3.69		
10 -						-			20	45	0.00		
12.5						ss	5	10	20	105	3.88		
15_		End of	Boring at 15.0'	76	61.8	SS	6	11	21	96	2.56		
DURING IMMEDI	DRILLIN	BSERVATIO G: FTER DRILI NG AFTER	₩ None		O _N	4SE	r		LOC	RING C	TARTED: OMPLETED: BY: METHOD:	12/16/21 12/16/21 MF HSA	

ROJE	CT:	Arizona Blvd Storm Sewer					V:	1	Hoffman Es	ge 1 of 1
		ATION: 1054237.084E, 1957723.863N	1	1000		1102			& Associa	A to American profession of
9.87.5	A VICTOR CARC LA				AMPL				STS	
(feet)	SOIL	Material Description	Elevation	TYPE/ INTERVAL	NO.	N-VALUE Blows per ft.	Wc%	Dry Unit Weight, pcf	Unconfined Compressive Strength, tsf	REMARKS
0	333333	TOPSOIL - Black CLAY (8")	775.0							
.5 –		Brown and Grey Lean CLAY with Sand, CL, very stiff to hard	774.3	SS	1	8	18	91	2.41	
5 -				ss	2	8	19	105	6.83	
.5 –		Grey Sandy Lean CLAY, SC moist at 6.0'	769.5	SS	3	7	23			
0 -		Grey Lean CLAY with Sand, CL, ver stiff	y 767.0	ss	4	8	22	105	2.79	pH = 7.42
5 -				ss	5	7	22	97	2.56	
5_		moist at 13.5'		ss	6	9	18	110	2.79	
		End of Boring at 15.0'	760.0							
RING	DRILLIN	DBSERVATIONS, ft. IG: \times None FTER DRILLING: \times Dry	M.	ASE.			BOI		TARTED: OMPLETED:	12/16/21 12/16/21 MF

GENERAL NOTES

PARTICLE SIZE DESCRIPTION & TERMINOLOGY

Coarse Grained or Granular Soils have more than 50% of their dry weight retained on a #200 sieve; they are described as: boulders, cobbles, gravel or sand. Fine Grained soils have less than 50% of their dry weight retained on a #200 sieve; they are described as: clays or clayey silts if they are cohesive and silts if they are non-cohesive. In addition to gradation, granular soils are defined on the basis of their relative in-place density and the fine grained soils on the basis of their strength or consistency and their plasticity.

Major Component of Sample	Size Range
Boulders	Over 8 in. (200 mm)
Cobbles	8 inches to 3 inches (200 mm to 75mm)
Gravel	3 inches to #4 sieve (75mm to 4.75mm)
Sand	#4 to #200 sieve (4.75mm to 0.075mm)
Silt	Passing #200 sieve (0.075mm to 0.002mm)
Clay	Smaller than 0.002mm

Descriptive Term of Components Also Present in Sample	Approximate Quantity (Percent)				
Trace	1 - 9				
Little	10 - 19				
Some	20 - 34				
And	35 - 50				
Aug.	00 - 00				

RELATIVE DENSITY AND CONSISTENCY CLASSIFICATION

GRANULAR SOILS

DENSITY CLASSIFICATION	APPROXIMATE RANGE OF N *
Very Loose	0 - 3
Slightly Dense	4 - 9
Medium Dense	10 - 29
Dense	30 - 49
Very Dense	50 - 80
Extremely Dense	80 +

COHESIVE SOILS

CONSISTENCY	UNCONFINED COMPRESSIVE STRENGTH, Qu - TSF	APPROXIMATE RANGE OF N *
Very Soft	0.25	0-2
Soft	0.25 - 0.49	3 - 4
Firm	0.50 - 0.99	5 - 8
Stiff	1.00 - 1.99	9 - 15
Very Stiff	2.00 - 3.99	16 - 30
Hard	4.00 - 8.00	31 - 50
Very Hard	8.00 +	Over 50

STANDARD PENETRATION TEST (ASTM D1586) - A 2.0" outside-diameter, split barrel sampler is driven into undisturbed soil by means of a 140 pound weight falling freely through a vertical distance of 30 inches. The sampler is normally driven 3 successive 6 inch increments. The total number of blows required for the final 12 inches of penetration is the Standard Penetration Resistance (N).

Page 1 of 2



I Source Location Information

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Source Site Certification by Owner or Operator for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-662

Revised in accordance with 35 III. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by source site owners and operators to certify, pursuant to 35 III. Adm. Code 1100.205(a)(1) (A), that soil (i) was removed from a site that is not potentially impacted property and is presumed to be uncontaminated soil and (ii) is within a pH range of 6.25 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris fill operations or uncontaminated soil fill operations.

Arizona Boulevard O				
College of the Colleg				
		T		
itude: -88.076967 (-Decimal Ded determined:	grees)	cimal places (e	.g., 40.67890), -90.12345):
		A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
BOL:	BOW:		BOA:	
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Take Same Live		Hey & Assoc	Site Operato	or
on for Source Site			Site Operato	
on for Source Site	Name:		Site Operato	
on for Source Site	Name: Street Address:		Site Operato	
on for Source Site	Name: Street Address: PO Box:	8755 W. Higg	Site Operato	uite 835
	State: IL in decimal degrees (litude: -88,076967 (-Decimal Dedetermined:	Arizona Boulevard, Cumberland Street to State: IL Zip Code: 60169 Township: Schau in decimal degrees (DD.ddddd) to five decitude: -88.076967 (-Decimal Degrees)	Arizona Boulevard, Cumberland Street to Chandler Street State: IL Zip Code: 60169 Township: Schaumburg in decimal degrees (DD.ddddd) to five decimal places (editude: -88.076967 (-Decimal Degrees)	Arizona Boulevard, Cumberland Street to Chandler Street State: IL Zip Code: 60169 Township: Schaumburg in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890) itude: -88.076967 (-Decimal Degrees) determined:

Project Na	ame: Sycamore	Golf Club		rage 2 0/ 2
Latitude:	42.041627	Longitude:	-88.076967	
	(Decimal Degre	ees)	(-Decimal Degree)
			Source Site	Certification
Describe description properties individual storage ta releases de environmento an unknown Number of the storage, of the storage, of the storage of the stora	the current and p in must take into a for commercial containers great anks (above grou or any environme ental violations; (or disposal of trar wn source or site of pages attached	past uses of the account, at a mor industrial purser than 5 gallon and or undergrountal cleanup or 7) any contaminatormers or capt.	inimum, the following poses; (2) the use, is or collectively more und); (4) any waste is removal of contamination in a well that expacitors manufacture	erties.* Attach additional information as needed. The of the source site and for nearby property: (1) use of the storage or disposal of chemical or petroleum products in than 50 gallons; (3) the current or past presence of any storage, treatment or disposal at the properties; (5) any reported ants; (6) any environmental liens or governmental notification of sceeds the Board's groundwater quality standards; (8) the use, d before 1979; and (9) any fill dirt brought to the properties from out. Samples were transported to the laboratory for pH testing.
source site	e owner or opera pH Testing F the results of soil	itor to provide th Results	nis certification.	rce site is not potentially impacted property, thereby allowing the is within the range of 6.25 to 9.0 and attach any supporting
Number o	of pages attached	i: 1		
pH testing	g meets the requ	irements hereir	i, see attached pH s	il report dated 12/27/21.
V. Sour Signatu	ce Site Owne	er, Operator	or Authorized R	epresentative's Certification Statement and
In accorda William W certify that the soil ph cleanup or representa submitted,	ance with the Illin lyzgala t this site is not a I is within the ran r removal of cont ative of the site o	potentially impa nge of 6.25 to 9. aminants. Addi wner or site ope	acted property and to 0. I further certify that itionally, I certify that erator and am author	15 ILCS 5/22.51 or 22.51a] and 35 III. Adm. Code 1100.205(a), I (owner, operator or authorized representataive of source site) e soil is presumed to be uncontaminated soil. I also certify that at the soil has not been removed from the site as part of a I am either the site owner or operator or a duly authorized zed to sign this form. Furthermore, I certify that all information r information, is to the best of my knowledge and belief, true,
Any perso EPA com	on who knowing mits a Class 4 f	gly makes a fal elony. A secol	se, fictitious, or fra nd or subsequent o	idulent material statement, orally or in writing, to the Illinois ffense after conviction is a Class 3 felony. (415 ILCS 5/44(h))
○ Own	ier			Operator
© Own	er's Duly Authori	ized Representa		Operator's Duly Authorized Representative
William V	-			
	Willen II	d Name Mysela		1/6/22
	Signa	ture		Date

MIDLAND STANDARD ENGINEERING TESTING, INC. 410 Nolen Drive, South Elgin, IL, 60177 (847) 844-1895 F(847) 844-3875

pH of ASTM D 4972/	
Project #21731 Project Name: <u>Arizona Blvd Storm</u> Location <u>Hoffman Estates</u>	
Sample# B-1: SS-2 (3.5-5') pH 7.89 X Distilled Water CaCl	Sample# B-5: SS-2 (3.5-5') pH 8.07 CaCl
Sample# B-2: SS-2 (3.5-5') pH 7.88 X Distilled Water CaCl	Sample# B-6: SS-4 (8.5-10') pH 7.42 CaCl
Sample# B-3: SS-3 (6-7.5') pH 7.70 X Distilled Water CaCl	Sample# Distilled Water
Sample# B-4: SS-3 (6-7.5') pH 7.83 X Distilled Water CaCl	Sample# Distilled Water

March 11, 2022

SUBJECT: VILLAGE OF HOFFMAN ESTATES
ARIZONA BLVD STORM SEWER REPLACEMENT PROJECT

To Whom It May Concern:

This letter is meant to clarify some questions and concerns regarding the Arizona Blvd Storm Sewer Replacement Project. This is not considered an addendum, but an additional resource for your information and consideration.

1. Trench Backfill specification does not state materials to be used for Trench Backfill. Detail on Sheet C6.2 calls for CA-7. Is this correct?

Yes, Trench Backfill materials specified for the project is CA-7 as per Trench Backfill detail.

2. Is Trench Backfill included in the unit cost for Water Service Line.

Yes, the Special Provision for Water Service Line states that the unit price shall include "all work necessary to complete the work", including Trench Backfill. See Trench Backfill Detail..

3. The Special Provision and detail for Water Service Line includes removal of the old water service line corp at the main and installation of a stainless steel repair sleeve over the old tap in the water main. This work may require a water main shut down in accordance with the project specifications. Is this correct?

Yes, the work specified is correct and a water shut down will be required to perform work. As stated in the project specifications work shall be scheduled in an efficient manner to reduce the amount of water main shutdowns needed for the project.

- 4. The details for storm sewer structures require "boots" for all sewer pipe connections. Is this correct?

 No, Addendum #1 revises the details for storm sewer structures; manhole, catch basin, and inlet.
- 5. Is the Contractor responsible for construction staking and layout for the project?

 No, the Village (Owner/Engineer) is responsible for construction staking and layout.

The above clarifications have been made to assist you in preparing your bid. Thank you for your consideration.

Sincerely,

Alan Wenderski, P.E. Director of Engineering