

CITY OF STRONGSVILLE, OHIO

ORDINANCE NO. 2024 – 046

By: Mayor Perciak and All Members of Council

AN ORDINANCE AUTHORIZING THE MAYOR TO ENTER INTO A COMMUNITY COST-SHARE AGREEMENT BETWEEN THE NORTHEAST OHIO REGIONAL SEWER DISTRICT AND THE CITY OF STRONGSVILLE, IN ORDER FOR THE DISTRICT TO PROVIDE REIMBURSEMENT OF FUNDS TO THE CITY IN CONNECTION WITH THE PROGRESS DRIVE CULVERT REPLACEMENT PROJECT, AND DECLARING AN EMERGENCY.

WHEREAS, the Northeast Ohio Regional Sewer District ("District"), pursuant to the authority of Chapter 6119 of the Ohio Revised Code and Title V of the District's Stormwater Management Code, is authorized to provide planning, financing, design, improvement, construction, inspection, monitoring, maintenance, operation and regulation for the handling of stormwater runoff to member communities; and

WHEREAS, by and through Ordinance No. 2016-057, this Council authorized the Mayor to enter into a Regional Stormwater Management Program Service Agreement with the District in order to provide delivery of District Regional Stormwater Management Program services within the City of Strongsville; and

WHEREAS, in conjunction with the aforementioned Stormwater Management Agreement, on May 16, 2013, by and through Resolution No. 114-13, the District was authorized to enter into Regional Stormwater Management Program Community Cost-Share Program Agreements with certain member communities; and

WHEREAS, the District, as a component of implementing such Regional Stormwater Management Program, manages a financial account termed the "Community Cost-Share Account" that is for the aggregation and dissemination of funds derived from revenues collected from member communities' Stormwater Fees; and

WHEREAS, the purpose of the Community Cost-Share Account is to provide funding to assist the City with District-approved projects through the Community Cost-Share Program; and

WHEREAS, the Community Cost-Share Program funds are used for construction, operation, and maintenance of the Local Stormwater System, including administrative costs directly associated with such projects, as well as costs related to repair or upgrade; and

WHEREAS, the City of Strongsville has determined it necessary to replace the Progress Drive culvert, 540 feet east of Alameda Drive and 3,280 feet west of Pearl Road, by replacing the existing steel plate arch culvert under Progress Drive with a concrete arch, together with the necessary appurtenances required, and replacing pavement where necessary, all in connection with the Progress Drive Culvert Replacement Project; and

WHEREAS, the District supports the Progress Drive Culvert Replacement Project as a Community Cost-Share Project.

CITY OF STRONGSVILLE, OHIO

ORDINANCE NO. 2024 - 046

Page 2

NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF STRONGSVILLE, COUNTY OF CUYAHOGA AND STATE OF OHIO:

Section 1. That the Mayor be and is hereby authorized and directed to enter into and execute a Community Cost-Share Agreement with the Northeast Ohio Regional Sewer District in order for the District to allocate and provide reimbursement of funds up to \$800,000.00 to the City of Strongsville, in connection with the Progress Drive Culvert Replacement Project, a copy of which Agreement is substantially in the form attached hereto and marked as Exhibit "1".

Section 2. That the funds for the purposes of this Ordinance have been appropriated and shall be paid from the Drainage Levy Fund.

Section 3. That it is found and determined that all formal actions of this Council concerning and relating to the adoption of this Ordinance were adopted in an open meeting of this Council; and that all deliberations of this Council, and any of its committees, that resulted in such formal action were in meetings open to the public in compliance with all legal requirements.

Section 4. That this Ordinance is hereby declared to be an emergency measure necessary for the immediate preservation of the public peace, property, health, safety and welfare of the City, and for the further reason that it is immediately necessary to enter into the Agreement in order to receive the City's share of funds available through the District's Community Cost-Share Policy. Therefore, provided this Ordinance receives the affirmative vote of two-thirds of all members elected to Council, it shall take effect and be in force immediately upon its passage and approval by the Mayor; otherwise from and after the earliest period allowed by law.

[Signature]
President of Council

Date Passed: 04 15 2024

Approved: [Signature]
Mayor

Date Approved: April 15, 2024

Attest: [Signature]
Clerk of Council

	<u>Yea</u>	<u>Nay</u>
Carbone	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Clark	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Kaminski	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Kosek	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Roff	<u>Abstain</u>	<input type="checkbox"/>
Short	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spring	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Ord. No. 2024-046 Amended: _____
1st Rdg. 04-15-24 Ref: _____
2nd Rdg. Suspended Ref: _____
3rd Rdg. Suspended Ref: _____

Public Hrg. _____ Ref: _____
Adopted: 04-15-24 Defeated: _____

**COMMUNITY COST-SHARE AGREEMENT
BY AND BETWEEN
THE NORTHEAST OHIO REGIONAL SEWER DISTRICT
AND
CITY OF STRONGSVILLE**

This Agreement is made and entered into this _____ day of _____, 2024, by and between the Northeast Ohio Regional Sewer District (District) acting pursuant to Resolution No. 114-13, adopted by the Board of Trustees of the District on May 16, 2013 (Exhibit "A"), and City of Strongsville (City) acting pursuant to Ordinance/Resolution No. 2024-046, adopted on April 15, 2024 (Exhibit "B").

Recitals

WHEREAS, the District, as a component of implementing a regional stormwater management program, manages a financial account termed the "*Community Cost-Share Account*" that is for the aggregation and dissemination of funds derived from revenues collected from the Stormwater Fee; and

WHEREAS, the purpose of the Community Cost-Share Account is to provide funding to assist the City with District-approved projects through the Community Cost-Share Program; and

WHEREAS, the Community Cost-Share Program funds are used for construction, operation, and maintenance of the Local Stormwater System or Regional Stormwater System, including administrative costs directly associated with such projects as well as costs related to repair or upgrade; and

WHEREAS, the District supports the Community Cost-Share Progress Drive Culvert Replacement project (the "Project") as a Community Cost-Share project proposed by the City; and

NOW THEREFORE, in consideration of the foregoing, the payment and the mutual promises contained in this Agreement, the parties agree as follows:

Article 1.0 **City Obligations**

- 1.1 The City agrees to perform as follows:
 - 1.1.1 Complete work as detailed in the District approved Community Cost-Share application. (Exhibit "C")
 - 1.1.2 Complete and submit Progress Reports when submitting a Request for Payment as needed, or within thirty (30) days of close of the Project, in accordance with the *Community Cost-Share Program Policy*.
 - 1.1.3 Notify the City's Watershed Team Leader at least seven (7) business days prior to the start of the Project.

- 1.1.4 Meet with District staff when requested to review the Project status.
- 1.1.5 Obtain all necessary legal agreements with affected property owners to perform the Project and to bind any successor in title to maintain compliance as specified in this Agreement between the District and City for the Project.
- 1.1.6 Comply with all applicable local, state and federal requirements. This may include, but is not limited to, U.S. Army Corp of Engineers Section 404, Ohio EPA Section 401 water quality certification, and Ohio Department of Natural Resources Dam Safety Laws.
- 1.1.7 If the City fails to maintain the Project in accordance with this Agreement, the City shall be liable for the full amount of any Community Cost-Share Program funds paid for the Project. Such amount shall be offset against the City Community Cost-Share Account.
- 1.1.8 Submit requests for approval to modify the budget, deadline, deliverables, or other components of the Project to the City's Watershed Team Leader at least 30 business days prior to the desired date of execution of the modification.
- 1.1.9 Acknowledge the District on any public advertisement or outreach efforts including all publications and signage related to the Project which shall include the following disclaimer:

This project was funded in part or totally through the Northeast Ohio Regional Sewer District (NEORS) Community Cost-Share Program in coordination with City, under the provisions of the NEORS Regional Stormwater Management Program. The contents and views, including any opinions, findings, or conclusions or recommendations, contained in this publication are those of the authors and have not been subject to NEORS review and may not necessarily reflect the views of NEORS, and no official endorsement should be inferred.

- 1.1.10 Provide the District the opportunity to have design approval for any signage or public education and outreach efforts related to the Project.
 - 1.1.11 Permit the District to photograph the Project and to incorporate the Project into the District's overall public education and outreach efforts for stormwater management.
- 1.2 Failure to meet any of the requirements listed in Article 1.1 may result in termination of this Agreement and reimbursement of disbursed funds to the District.

Article 2.0 **District’s Obligations**

- 2.1 The District agrees to perform as follows:
 - 2.1.1 Allocate \$800,000.00 to the City for the Project from the City’s Community Cost-Share Account.
 - 2.1.2 Provide reimbursement of funds up to \$800,000.00 to the City within sixty (60) days of receipt of a complete Request for Payment from the City, detailing costs related to the Project.
 - 2.1.3 Timely review and approval or disapproval of requests to modify the budget, deadline, deliverables, or other components of the Project.
 - 2.1.4 Acknowledge the City in presentations or publications related to the Project.

2.3 The District is not liable for any and all claims, damages, losses, liens, causes of action, suits, judgments, and expenses of any nature, kind or description, that result from and to the extent caused by the acts or omissions of the City, the design professional, and the contractor, including all of their officers, owners, principals, subcontractors, employees, and agents. The District is not responsible for the accuracy, correctness and reliability of the plans as it is not reviewing or approving any plans as to the suitability of the design/fitness for a particular purpose.

Article 3.0 **Dispute Resolution**

- 3.1 The Parties shall continue the performance of their obligations under this Agreement notwithstanding the existence of a dispute.
- 3.2 The Parties shall first try to resolve the dispute at the level of the designated representatives as follows:

District Representative	City Representative
Watershed Team Leader	City Engineer

If the Parties are unable to resolve the dispute at that level within ten (10) working days, the Parties shall escalate the dispute to the following level to resolve the dispute:

District Representative	City Representative
Director of Watershed Programs	Mayor

- 3.3 If the Parties remain unable to resolve the dispute within an additional ten (10) working days, the Parties shall proceed to mediation upon request by either party. The mediator shall review all documents and written statements, in order to accurately and effectively resolve the dispute. The mediator shall call a meeting between the Parties within ten (10) working days after mediator appointment, which meeting shall be attended by at least the

respective representatives listed in paragraph 3.02 above. The Parties shall attempt in good faith to resolve the dispute. The Parties agree to follow the Uniform Mediation Act, Chapter 2710 of the Ohio Revised Code. The Parties shall share the cost of the mediator equally.

- 3.4 Such mediation shall be non-binding between the Parties and, to the extent permitted by law, shall be kept confidential. If the dispute is resolved and settled through the mediation process, the decision will be implemented by a written agreement signed by both Parties. If the dispute is unable to be resolved through mediation, the Parties agree to submit the dispute to the appropriate jurisdiction as per Article 4, Remedies, below.

Article 4 **Remedies**

- 4.1 The Parties agree that, after exhausting the dispute resolution process outlined above, all claims, counter-claims, disputes and other matters in question between the Parties arising out of or relating to this Agreement, or the breach thereof, will be decided at law. This Agreement shall be governed by and interpreted according to the laws of the State of Ohio.

Article 5 **Counterpart Signatures**

- 5.1 This Agreement may be executed in counterparts, each of which shall be deemed to be an original, but which counterparts when taken together shall constitute one Agreement.

Article 6 **Governing Law**

- 6.1 The terms and provisions of this Agreement shall be construed under and governed by the laws of Ohio (to which all Parties hereto consent to venue and jurisdiction).

Article 7 **Disclaimer of Joint Venture**

- 7.1 This Agreement is not intended to create a joint venture, partnership or agency relationship between the Parties, and such joint venture, partnership, or agency relationship is specifically hereby disclaimed.

Article 8 **Authority to Execute**

- 8.1 Each person executing this Agreement represents and warrants that it is duly authorized to execute this Agreement by the party on whose behalf it is so executing.

Article 9 **Exhibits**

The following exhibits are attached hereto and incorporated herein:

- Exhibit "A" – District Resolution
- Exhibit "B" – City Ordinance/Resolution
- Exhibit "C" – District-Approved Community Cost Share Application

The parties have executed this Agreement on the day and year first above written.

NORTHEAST OHIO REGIONAL SEWER DISTRICT

BY: _____
Kyle Dreyfuss-Wells
Chief Executive Officer

AND

BY: _____
Darnell Brown, President
Board of Trustees

CITY OF STRONGSVILLE

By: Thomas P. Perciak
Title: Thomas P. Perciak, Mayor

The Legal Form and Correctness of this Instrument is hereby Approved:

CITY OF STRONGSVILLE

Neal M. Jamison
Assistant/Director of Law
Neal M. Jamison

This Instrument Prepared By:

Anka M. Davis
Assistant General Counsel
Northeast Ohio Regional Sewer District

Each party agrees that this Agreement may be executed and distributed for signatures via email, and that the emailed signatures affixed by both parties to this Agreement shall have the same legal effect as if such signatures were in their originally written format.

[FOR NEORSD USE]

AGREEMENT NO.

NORTHEAST OHIO REGIONAL SEWER
DISTRICT

WITH

CITY OF STRONGSVILLE

FOR

COMMUNITY COST-SHARE PROJECT:
PROGRESS DRIVE CULVERT REPLACEMENT

Total Approximate Cost: \$800,000.00

The legal form and correctness of the within
instrument are hereby approved.

ERIC J. LUCKAGE
CHIEF LEGAL OFFICER

Date

CERTIFICATION

It is hereby certified that the amount required to
meet the contract, agreement, obligation, payment
or expenditure, for the above, has been lawfully
appropriated or authorized or directed for such
purpose and is in the Treasury or in process of
collection to the credit of the fund free from any
obligation or certification now outstanding.

KENNETH J. DUPLAY
CHIEF FINANCIAL OFFICER

Date

Budget Center 8100

EXHIBIT A

NORTHEAST OHIO REGIONAL SEWER DISTRICT
RESOLUTION NO. 114-13

Authorizing the Executive Director to enter into Regional Stormwater Management Program Community Cost-Share Program Agreements with Member Communities.

WHEREAS, the Code of Regulations of the Northeast Ohio Regional Sewer District, Title V – Stormwater Management Code Chapter 9 outlines the Community Cost-Share Program developed to provide funds to District Member Communities for construction, operation and maintenance activities of community-specific stormwater management projects; and

WHEREAS, under the Community Cost-Share Program, 25% of the annual collected stormwater revenue from each Member Community will be held by the District in a Community Cost-Share account, whereby Communities, with review and approval by the District, through specific applications outlining the community-specific stormwater work to be performed can access reimbursement of their funds; and

WHEREAS, the District is seeking authority to enter into Regional Stormwater Management Program Community Cost-Share Program Agreements with Member Communities for the purpose of detailing and memorializing responsibilities of the District and Member Communities under specific applications to the Community Cost-Share Program;

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE NORTHEAST OHIO REGIONAL SEWER DISTRICT:

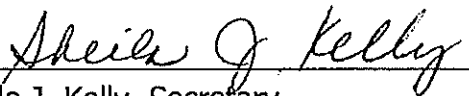
Section 1. That this Board finds that for the reasons stated in the preamble hereof it is in the best interests of the District to enter into Regional Stormwater Management Program Cost-Share Program Agreements with Member Communities to memorialize responsibilities of the District and Member Communities under specific applications to the Community Cost-Share Program.

Section 2. That this Board hereby authorizes the Executive Director to enter into Regional Stormwater Management Program Cost-Share Agreements with Member Communities to memorialize responsibilities of the District and Member Communities under specific applications to the Community Cost-Share Program under such terms and conditions that are satisfactory to the Director of Law and in the best interests of the District.

Section 3. That this Board authorizes the Executive Director to execute all documents and do all things necessary to effect the terms and conditions of the Stormwater Management Program Direct Billing Agreements with Member Communities.

Section 4. That this Board declares that all formal actions of the Board concerning and relating to the adoption of this resolution and that all deliberations of the Board and any of its committees that resulted in said formal action were conducted in meetings open to the public and in compliance with all legal requirements, including Section 121.22 of the Ohio Revised Code.

On motion of Mayor Starr seconded by Mr. O'Malley, the foregoing resolution was unanimously adopted on May 16, 2013.



Sheila J. Kelly, Secretary
Board of Trustees
Northeast Ohio Regional Sewer District

EXHIBIT B

(Insert Member Community
Ordinance/Resolution)

EXHIBIT C



Community Cost-Share Program APPLICATION

Member Community Information

Community: City of Strongsville

Primary Project Contact: Lori Daley
(Name & Title) Assistant City Engineer

Mailing Address: 16099 Foltz Parkway
Strongsville, OH 44149

Phone Number: 440-580-3123

Email: lori.daley@strongsville.org

Project Information

Project Title: Progress Drive Culvert Replacement

Address or Location of Project: Progress Drive, 540' East of Alamda Drive
and 3,280' West of Pearl Road

Project Start Date: June 1, 2024

Project End Date: January 31, 2025

Community Cost-Share Fund Request: \$800,000

Submission Date: January 29, 2024



Project Narrative

1) Project Summary (1,000 word maximum)

Describe the Project and include the following information, as applicable:

- Describe the Project and deliverables; provide a map if applicable
- Submit a deliverable worksheet listing tasks and deliverables with start dates and end dates for the significant benchmarks.
- List permitting requirements necessary to initiate and complete project and how the requirements will be met.

This project consists of replacing and existing (2) 9'-4" x 6'-3" Steel Plate Arch culvert under Progress Drive with a 18' x 7' concrete arch. This culvert is designated as NEORSD Asset ID BL00212. The culvert is located under an industrial roadway, so pavement replacement is necessary for the construction. See plans attached.

The proposed schedule is as follows:

March 2024 - Complete Plans

April 2024-May 2024 - Bidding process

June 2024 - Begin construction

January 2025 - End Construction



2) Ability to Provide Long Term Maintenance (500 word maximum)

Describe the plans for long-term maintenance, addressing the following question:

- Who is responsible to provide on-going maintenance for the project and how will maintenance be ensured?
- Provide documentation of scheduled maintenance and operation for completed stormwater project(s).

The culvert will be owned and maintained by the City of Strongsville. Routine inspections will be performed by the Engineering and Service departments.



3) Visibility and Public Outreach: (500 word maximum)

Public outreach is required if appropriate for your project.

- What audiences will be exposed to this Project (neighbors, students, community groups, general public)?

Public outreach is not required for this project, however in accordance with law all appropriate legislation will be voted on at a public council meeting.



4) **Budget Summary** (500 words maximum)

The Budget Summary and Project Budget (*see page 3*) represent the Community Cost-Share Project components exclusively. Include details on the provider of all services such as design, engineering, construction management and materials including specific material cost, equipment, and hourly rate.

If an engineer's estimate is included with the application, indicate which line items are included in the Community Cost-Share Project application.

The construction cost estimate for this project is \$1,005,680.
See engineer's estimate attached.

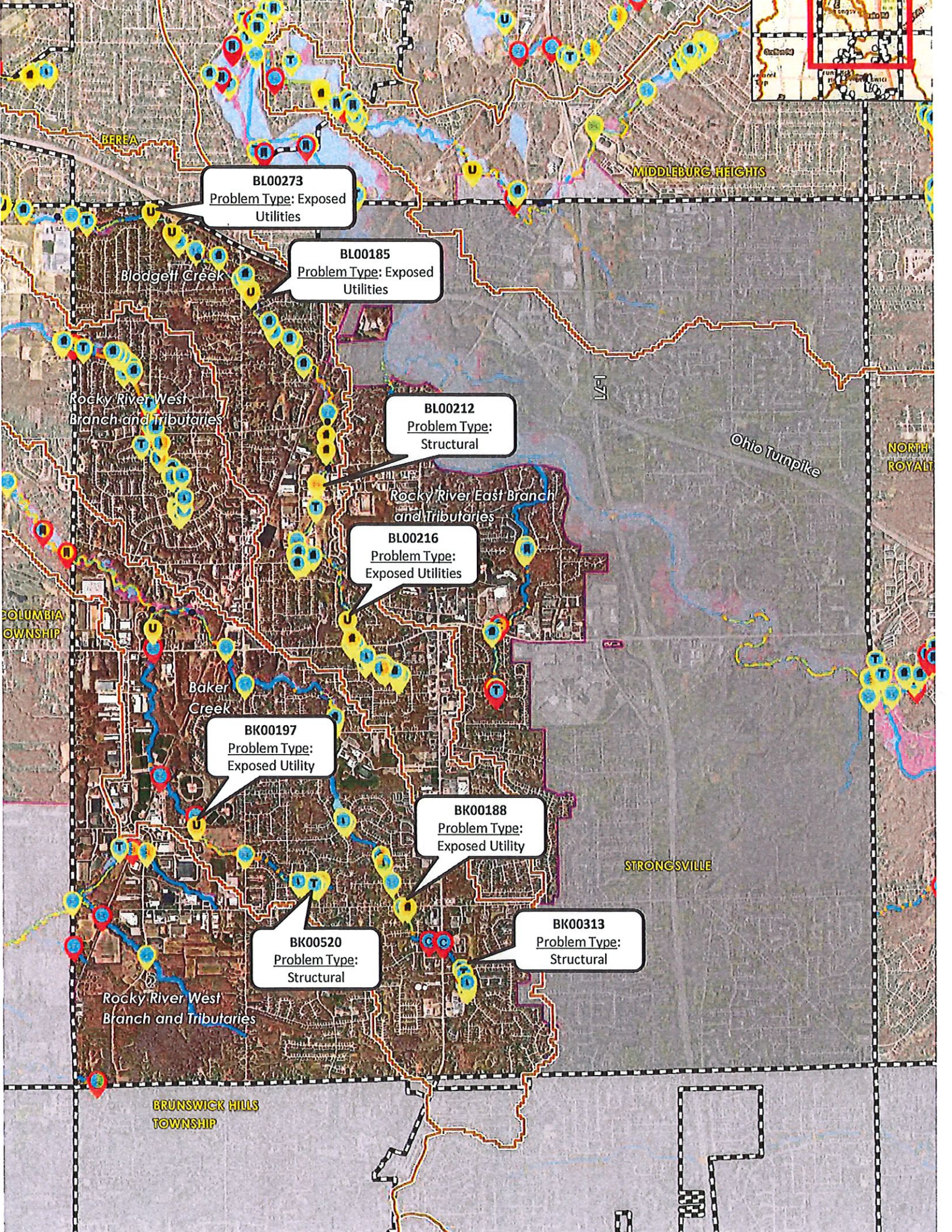


Vendor Registration

Prior to submission, ensure that the Member Community is a registered vendor with the District. Vendor Registration can be done by accessing http://www.neorsd.org/isupplier_homepage.php and completing the New Vendor Registration. If unsure of the Member Community vendor status, by initiating the New Vendor Registration a message of active registration will appear if currently registered as a vendor.

Project Budget

Project Expenses	Community Cost-Share Expense	Line Item Description
Professional Services		
Personnel <i>(Member Community staff only)</i>		
Subcontract		
Equipment		
Materials	\$800,000	Construction
Other		
TOTAL	\$ 800,000	



1.4.2 Baseline Recommendations

As previously discussed, baseline recommendations are defined as assets/BTUs where an action would need to be taken, regardless of alternatives evaluation. **Table 1-2** below provides a summary of the baseline actions recommended in Strongsville.

Table 1-2: Strongsville Baseline Recommendations

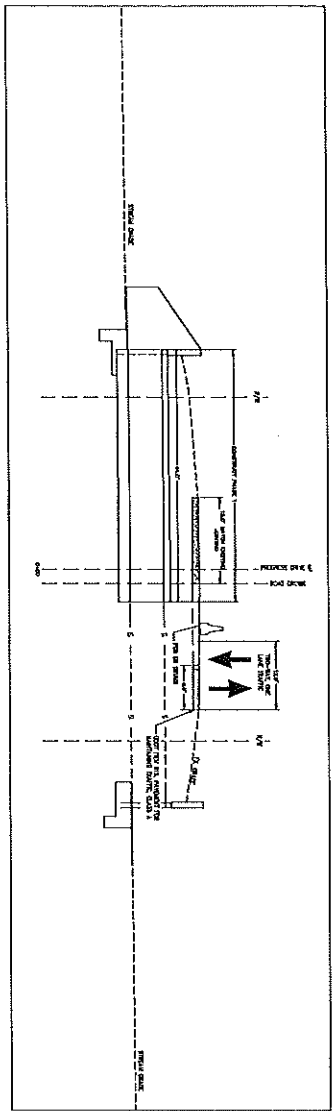
Asset ID	Subwatershed	Problem Asset Type	Recommended Baseline Action	Cost
BL00185	Blodgett	Utility BTU	Identify and notify utility owner of exposed gas line	N/A
BL00185	Blodgett	Utility BTU	Identify and notify utility owner of exposed gas line	N/A
BL00185	Blodgett	Utility BTU	Identify and notify utility owner of exposed gas line	N/A
BL00212 (Progress Drive)	Blodgett	Crossing	Replace corrugated metal culvert with open bottom concrete culvert to provide higher strength and maximized longevity while improving hydraulic performance.	\$663,000
BL00216	Blodgett	Utility BTU	Identify and notify utility owner of threatened outfall headwall	N/A
BL00273	Blodgett	Utility BTU	Identify and notify utility owner of exposed utility line	N/A
BL00273	Blodgett	Utility BTU	Identify and notify utility owner of threatened outfall pipe	N/A
N/A	Blodgett	Stream	Encourage adoption of the Chagrin River Watershed Partners model ordinance for riparian setbacks.	N/A
BK00188	Baker Creek	BTU - Utility	Identify utility owner and determine whether line is active. Coordinate to have owner protect utility if active. This is a no cost action.	N/A
BK00197	Baker Creek	BTU - Utility	Identify utility owner and determine whether line is active. Coordinate to have owner protect utility if active. This is a no cost action.	N/A
BK00313	Baker Creek	Culverted Stream	Increased monitoring; refer to Appendix M in the Baker Creek SWMP for details.	N/A
BK00520	Baker Creek	Culverted Stream	Rehabilitation of one segment of closed conduit. Refer to Appendix M in the Baker Creek SWMP for more details.	\$53,800

City of Strongsville
 Progress Drive Culvert Replacement

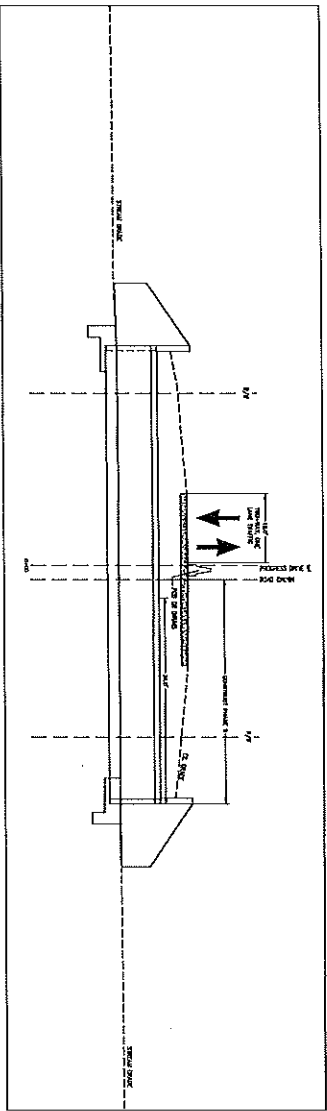
Engineer's Estimate
 1/23/2024

						Engineer's Estimate	
ITEM NO.	ODOT Item	DESCRIPTION	BID QUANTITY	UNITS	UNIT PRICE	BID AMOUNT	
1	202	Clearing and Grubbing, As Per Plan	1	LS	\$ 12,500.00	\$ 12,500.00	
2	202	Pavement Removed (ODOT Item 202) including curb	1050	SY	\$ 16.00	\$ 16,800.00	
3	202	Walk Removed (ODOT Item 202), As Directed	200	SF	\$ 5.00	\$ 1,000.00	
4	608	4" Concrete Walk, As Directed	200	SF	\$ 12.00	\$ 2,400.00	
5	203	Excavation of Roadway Base, As Per Plan	175	CY	\$ 34.00	\$ 5,950.00	
6	451	10" Reinforced Concrete Pavement, Class QC MS (ODOT Item 451)	750	SY	\$ 125.00	\$ 93,750.00	
7	254	Subgrade Compaction (ODOT Item 204)	1050	SY	\$ 5.00	\$ 5,250.00	
8	304	Aggregate Base (ODOT Item 304), 6" base	175	CY	\$ 65.00	\$ 11,375.00	
9	451	8" Reinforced Concrete Apron Industrial, As Directed (ODOT Item 608)	300	SY	\$ 120.00	\$ 36,000.00	
10	202	Pipe Removed, Under 24" (ODOT Item 202) (contingency)	60	LF	\$ 5.00	\$ 300.00	
11	202	Pipe Removed, Over 24" (ODOT Item 202)	20	LF	\$ 50.00	\$ 1,000.00	
12	611	36" Conduit, Type B, 706.02 (ODOT Item 611)	10	LF	\$ 325.00	\$ 3,250.00	
13	611	42" Conduit, Type B, 706.02 (ODOT Item 611)	10	LF	\$ 425.00	\$ 4,250.00	
14	202	Storm Structure Removed (CB or MH)	3	Each	\$ 1,200.00	\$ 3,600.00	
15	611	ODOT No. 3 Manhole, 60" dia. Base (ODOT Item 611)	1	Each	\$ 4,000.00	\$ 4,000.00	
16	611	ODOT No. 3 Manhole, 72" dia. Base (ODOT Item 611)	1	Each	\$ 5,000.00	\$ 5,000.00	
17	611	Manhole Adjusted to grade, As Per Plan	1	Each	\$ 700.00	\$ 700.00	
18	611	Catch Basin Reconstruction, As Per Plan	2	Each	\$ 750.00	\$ 1,500.00	
19	605	4" Underdrains with Geotextile Fabric (ODOT Item 605)	600	LF	\$ 16.00	\$ 9,600.00	
20	671	Erosion Control Mat	450	SY	\$ 5.00	\$ 2,250.00	
21	659	Seeding and Mulching, (Class 1), As Per Plan	950	SY	\$ 4.00	\$ 3,800.00	
22	659	Seeding and Mulching, (Class 3B), As Per Plan	450	SY	\$ 4.00	\$ 1,800.00	
23	659	Soil Analysis Test (ODOT Item 659)	2	Each	\$ 150.00	\$ 300.00	
24	659	Topsoil (ODOT Item 659)	170	CY	\$ 60.00	\$ 10,200.00	
25	659	Commercial Fertilizer (ODOT Item 659)	0.13	Ton	\$ 1,000.00	\$ 130.00	
26	659	Lime (ODOT Item 659)	0.3	Acre	\$ 500.00	\$ 150.00	
27	659	Water (ODOT Item 659)	6	Mgal	\$ 30.00	\$ 180.00	
28	614	Maintaining Traffic (ODOT Item 614)	1	LS	\$ 30,000.00	\$ 30,000.00	
29	622	Portable Barriers (ODOT Item 622)	250	Ft.	\$ 32.00	\$ 8,000.00	
30	614	Work Zone Edge Line, Class 1, 4", 740.06, Type 1 (White) (ODOT Item 614)	0.8	Mi.	\$ 6,000.00	\$ 4,800.00	
31	614	Work Zone Double Yellow Line, Class 1, 740.06, Type 1 (ODOT Item 614)	0.4	Mi.	\$ 9,000.00	\$ 3,600.00	
32	614	Work Zone Stop Line, Class 1, 740.06, Type 1 (ODOT Item 614)	30	Ft.	\$ 5.00	\$ 150.00	
33	642	Centerline (solid double), Type 1 (ODOT 642)	500	Ft.	\$ 2.50	\$ 1,250.00	
34	614	Portable Changeable Message Signs (ODOT Item 614)	4	Months	\$ 1,800.00	\$ 7,200.00	
35	SPEC	River Rock/ Landscape Stone	8	CY	\$ 75.00	\$ 600.00	
36	202	Structure Removed, As Per Plan	1	LS	\$ 25,000.00	\$ 25,000.00	
37	503	Unclassified Excavation, (Wingwall Footing) As Per Plan	1	LS	\$ 6,000.00	\$ 6,000.00	
38	503	Unclassified Excavation, (Culvert Footing) As Per Plan	1	LS	\$ 6,000.00	\$ 6,000.00	
39	503	Unclassified Excavation, (Sediment Removal) As Per Plan	1	LS	\$ 11,000.00	\$ 11,000.00	
40	203	Granular Material, Type B, (ODOT 57 Limestone)	120	CY	\$ 65.00	\$ 7,800.00	
41	203	Embankment, (Backfill/Grading of Wingwalls)	1	LS	\$ 2,500.00	\$ 2,500.00	
42	503	Cofferdams, Excavation Bracing, Cribs, Sheeting As Per Plan	1	LS	\$ 40,000.00	\$ 40,000.00	
43	509	Epoxy Coated Reinforcing Steel	5140	Lbs.	\$ 3.25	\$ 16,705.00	
44	511	Precast Wingwall, Retaining/Wingwall Above Footing, As Per Plan	15	CY	\$ 1,500.00	\$ 22,500.00	
45	511	Class QC1 Concrete, Footing (Wingwall and Culvert), As Per Plan	130	CY	\$ 450.00	\$ 58,500.00	
46	511	Precast Headwalls, As Per Plan	2	EA	\$ 5,000.00	\$ 10,000.00	

47	512	Type 2 Waterproofing, As Per Plan	200	SY	\$ 40.00	\$ 8,000.00
48	512	Type 3 Waterproofing, As Per Plan	250	SY	\$ 46.00	\$ 11,500.00
49	512	Sealing of Concrete Surfaces (Epoxy-Urethane), As Per Plan	212	SY	\$ 50.00	\$ 10,600.00
50	516	1" Preformed Expansion Joint Filler	95	SF	\$ 10.00	\$ 950.00
51	518	Porous Backfill with Geotextile Fabric, As Per Plan	1	LS	\$ 3,000.00	\$ 3,000.00
52	611	Conduit, Type A, Precast Reinforced Concrete Arch Sections, As Per Plan, (18' x 6'), 706.052	82	LF	\$ 2,500.00	\$ 205,000.00
53	601	Rock Channel Protection, Type B, Keyed into Rock Grouted in Place	468	CY	\$ 155.00	\$ 72,540.00
54	601	Rock Channel Protection, Type C, 2'-5" Thick with 6" aggregate filter (Typ.)	80	CY	\$ 165.00	\$ 13,200.00
55	623	Construction Layout Stakes and Surveying, As Per Plan	1	LS	\$ 3,000.00	\$ 3,000.00
56	SPEC	Utility Allowance	1	LS	\$ 60,000.00	\$ 60,000.00
57	624	Mobilization	1	LS	\$ 25,000.00	\$ 25,000.00
58	670	Erosion and Sediment Control	1	LS	\$ 2,000.00	\$ 2,000.00
59	670	Storm Water Pollution Prevention Plan	1	LS	\$ 1,500.00	\$ 1,500.00
60	670	Storm Water Pollution Prevention Inspections	1	LS	\$ 500.00	\$ 500.00
61	616	Water	5	MGAL	\$ 50.00	\$ 250.00
62	616	Calcium Chloride	1	TON	\$ 100.00	\$ 100.00
63	SPEC	Preconstruction Video	1	LS	\$ 1,000.00	\$ 1,000.00
64	638	12" Waterline Lowering, Complete in Place	1	LS	\$ 50,000.00	\$ 50,000.00
65	638	CWD Fees	1	LS	\$ 7,000.00	\$ 7,000.00
66	638	Water Service Reconnections	3	Each	\$ 2,000.00	\$ 6,000.00
67	638	Chlorination Pit	1	Each	\$ 1,500.00	\$ 1,500.00
68	638	Hydrant Assembly	1	Each	\$ 2,000.00	\$ 2,000.00
69	SPEC	Temporary Construction zone fencing	1	LS	\$ 400.00	\$ 400.00
70	SPEC	Install Trees, planted w/ 2 year guarantee	6	EA.	\$ 750.00	\$ 4,500.00
71	613	Low Strength Mortar Backfill, Type 2 (contingency)	50	CY	\$ 110.00	\$ 5,500.00
72	615	Pavement for Maintaining Traffic, Class A	120	SY	\$ 100.00	\$ 12,000.00
GRAND TOTAL						\$ 1,005,680.00



PHASE 1 MOT TYPICAL SECTION



PHASE 2 MOT TYPICAL SECTION

PHASE 1 MOT TYPICAL SECTION

THE CONTRACTOR SHALL MAINTAIN, INSTALL, VENTURE, AND REMOVE WHEN NO LONGER NEEDED, THE (2) CONCRETE ACCESS ROAD (S) ON SITE, WITH A MINIMUM CLEARANCE OF 20 FEET FOR THE DURATION OF THE PROJECT.

ALL MATERIALS TO BE USED IN THE CONSTRUCTION OF THE ROAD SHALL BE OF THE BEST QUALITY AVAILABLE AND SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF THE ROAD FOR THE DURATION OF THE PROJECT.

PHASE 2 MOT TYPICAL SECTION

THE CONTRACTOR SHALL MAINTAIN, INSTALL, VENTURE, AND REMOVE WHEN NO LONGER NEEDED, THE (2) CONCRETE ACCESS ROAD (S) ON SITE, WITH A MINIMUM CLEARANCE OF 20 FEET FOR THE DURATION OF THE PROJECT.

ALL MATERIALS TO BE USED IN THE CONSTRUCTION OF THE ROAD SHALL BE OF THE BEST QUALITY AVAILABLE AND SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF THE ROAD FOR THE DURATION OF THE PROJECT.

TRAFFIC CONTROL AND MAINTENANCE PLAN

A NUMBER OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT OR CONCRETE PAVEMENT AND TEMPORARY TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN THE EXISTING PAVEMENT AND TEMPORARY TRAFFIC CONTROL DEVICES THROUGHOUT THE PROJECT.

TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT OR CONCRETE PAVEMENT AND TEMPORARY TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN THE EXISTING PAVEMENT AND TEMPORARY TRAFFIC CONTROL DEVICES THROUGHOUT THE PROJECT.

TRAFFIC CONTROL AND MAINTENANCE PLAN

A NUMBER OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT OR CONCRETE PAVEMENT AND TEMPORARY TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN THE EXISTING PAVEMENT AND TEMPORARY TRAFFIC CONTROL DEVICES THROUGHOUT THE PROJECT.

TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT OR CONCRETE PAVEMENT AND TEMPORARY TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN THE EXISTING PAVEMENT AND TEMPORARY TRAFFIC CONTROL DEVICES THROUGHOUT THE PROJECT.

TRAFFIC CONTROL AND MAINTENANCE PLAN

A NUMBER OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT OR CONCRETE PAVEMENT AND TEMPORARY TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN THE EXISTING PAVEMENT AND TEMPORARY TRAFFIC CONTROL DEVICES THROUGHOUT THE PROJECT.

TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT OR CONCRETE PAVEMENT AND TEMPORARY TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL MAINTAIN THE EXISTING PAVEMENT AND TEMPORARY TRAFFIC CONTROL DEVICES THROUGHOUT THE PROJECT.

UNDERGROUND UTILITIES

2 WORKING DAYS BEFORE YOU DIG

CALL TOLL FREE 800-362-2784

ONE DAY BEFORE YOU DIG

CALL 1-800-925-0988

CITY OF STRONGSVILLE

ENGINEERING DEPT.

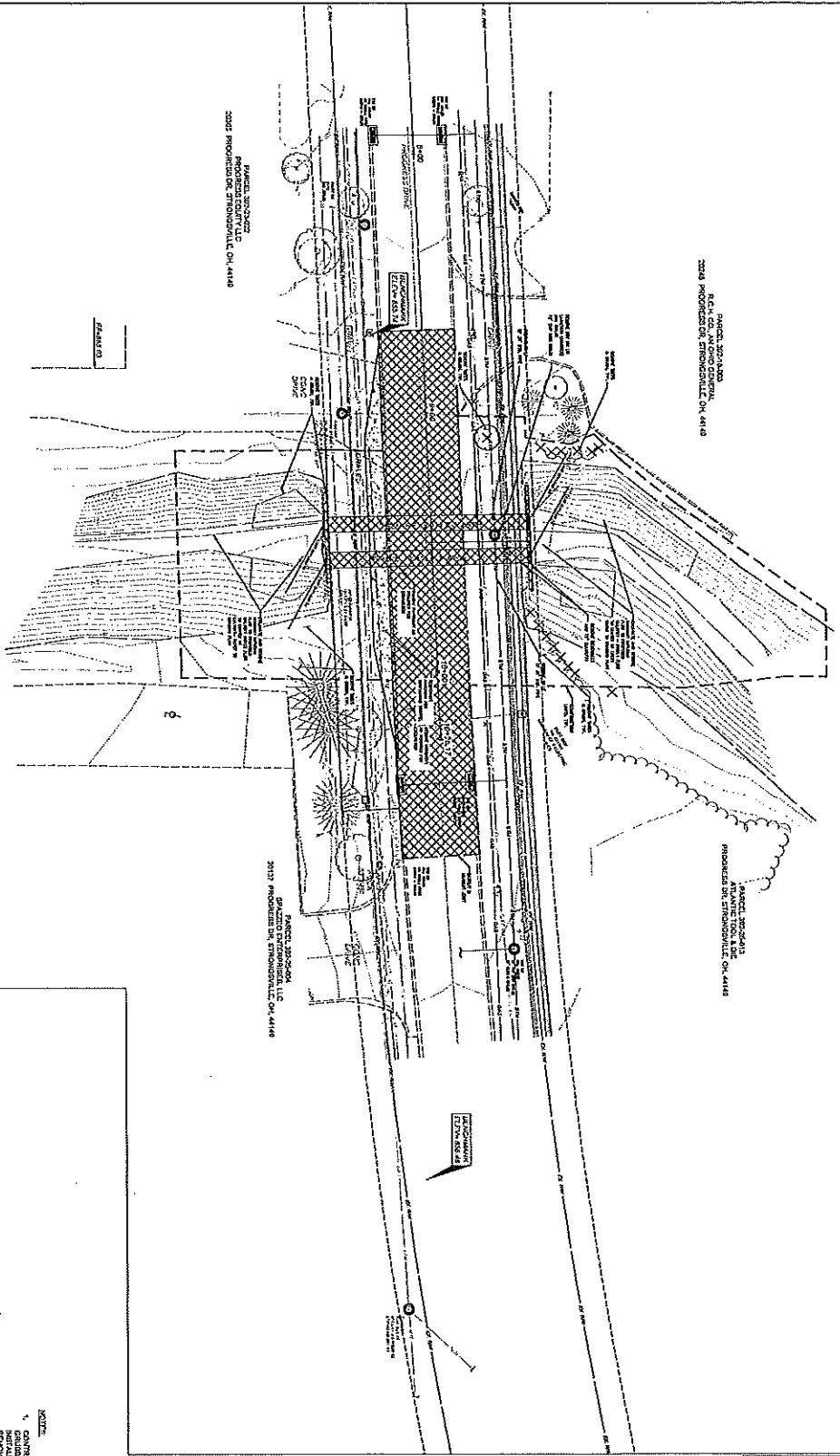
14111

PROGRESS DRIVE CULVERT REPLACEMENT

MAINTENANCE OF TRAFFIC

C-3.0

DATE	REVISION DESCRIPTION

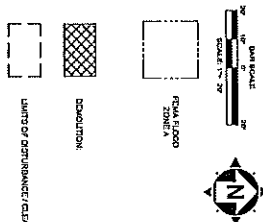


PARCEL 353428
R.L. COLANGELO CORP.
2007 PROGRESS DR. STRONGSVILLE, OH 44148

PARCEL 353429
PROGRESS COUNTRY LLC
2007 PROGRESS DR. STRONGSVILLE, OH 44148

PARCEL 353430
THE WINDMILL GROUP
2007 PROGRESS DR. STRONGSVILLE, OH 44148

PARCEL 353431
DAVIDSON DEVELOPMENT LLC
2007 PROGRESS DR. STRONGSVILLE, OH 44148



UNDERGROUND UTILITIES
2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-352-2754
ONE STOP PROTECTIVE SERVICE
OIL & GAS PRODUCERS PROTECTIVE SERVICE
CALL: 1-800-925-0988

NOTE:
CONTRACTOR RESPONSIBLE FOR ALL FIELD INSPECTION, CLEANING, DEMOLITION, SCALING AND STRIPPING FOR THE DEMOLITION AND REMOVAL OF THE EXISTING STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES REMAINING IN THE LIMITS OF DEMOLITION AND CONSTRUCTION. REMOVAL OF STRUCTURE CONTRACTOR IS RESPONSIBLE TO VERIFY THE STRUCTURE IS COMPLETELY REMOVED. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES REMAINING IN THE LIMITS OF DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES REMAINING IN THE LIMITS OF DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND STRUCTURES REMAINING IN THE LIMITS OF DEMOLITION AND CONSTRUCTION.

REVISIONS TABLE

NO.	DATE	DESCRIPTION
1	08/15/11	ISSUED FOR PERMIT
2	08/15/11	ISSUED FOR PERMIT
3	08/15/11	ISSUED FOR PERMIT
4	08/15/11	ISSUED FOR PERMIT
5	08/15/11	ISSUED FOR PERMIT
6	08/15/11	ISSUED FOR PERMIT
7	08/15/11	ISSUED FOR PERMIT
8	08/15/11	ISSUED FOR PERMIT
9	08/15/11	ISSUED FOR PERMIT
10	08/15/11	ISSUED FOR PERMIT

C-4.0

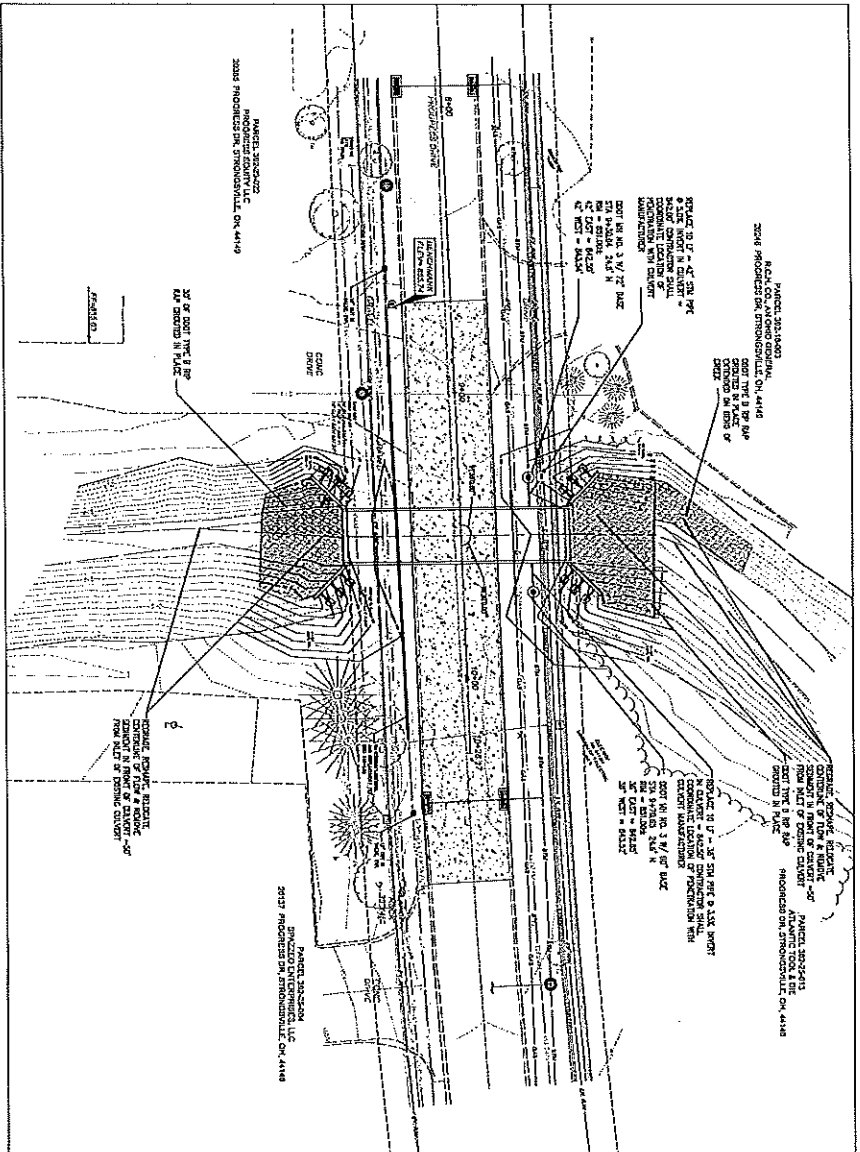
CITY OF STRONGSVILLE
ENGINEERING DEPT.
1800 FULTY PARKWAY, STRONGSVILLE, OH 44148



PROGRESS DRIVE CULVERT REPLACEMENT

EXISTING CONDITIONS & DEMOLITION PLAN

DATE	REVISION DESCRIPTION



PLAN VIEW
SCALE: 1"=20'

APPROXIMATE QUANTITIES AND MATERIALS FOR CULVERT AND UTILITIES
 THE QUANTITIES LISTED ARE APPROXIMATE AND BASED ON THE INFORMATION PROVIDED BY THE CLIENT. THE QUANTITIES LISTED ARE NOT TO BE USED FOR BIDDING OR CONTRACTING PURPOSES. THE QUANTITIES LISTED ARE NOT TO BE USED FOR BIDDING OR CONTRACTING PURPOSES. THE QUANTITIES LISTED ARE NOT TO BE USED FOR BIDDING OR CONTRACTING PURPOSES.

ITEM 201 - UNCLASSIFIED EXCAVATION, AS PER PLAN
 THE QUANTITY SHALL BE MEASURED FROM THE BOTTOM OF THE EXCAVATION TO THE TOP OF THE EXCAVATION. THE QUANTITY SHALL BE MEASURED FROM THE BOTTOM OF THE EXCAVATION TO THE TOP OF THE EXCAVATION. THE QUANTITY SHALL BE MEASURED FROM THE BOTTOM OF THE EXCAVATION TO THE TOP OF THE EXCAVATION.

ITEM 202 - UNCLASSIFIED EXCAVATION, (CULVERT FOOTING), AS PER PLAN
 THE QUANTITY SHALL BE MEASURED FROM THE BOTTOM OF THE EXCAVATION TO THE TOP OF THE EXCAVATION. THE QUANTITY SHALL BE MEASURED FROM THE BOTTOM OF THE EXCAVATION TO THE TOP OF THE EXCAVATION. THE QUANTITY SHALL BE MEASURED FROM THE BOTTOM OF THE EXCAVATION TO THE TOP OF THE EXCAVATION.

ITEM 203 - GRANULAR MATERIAL, TYPE II
 THE QUANTITY SHALL BE MEASURED FROM THE BOTTOM OF THE EXCAVATION TO THE TOP OF THE EXCAVATION. THE QUANTITY SHALL BE MEASURED FROM THE BOTTOM OF THE EXCAVATION TO THE TOP OF THE EXCAVATION. THE QUANTITY SHALL BE MEASURED FROM THE BOTTOM OF THE EXCAVATION TO THE TOP OF THE EXCAVATION.

ITEM 204 - GRANULAR MATERIAL, TYPE I
 THE QUANTITY SHALL BE MEASURED FROM THE BOTTOM OF THE EXCAVATION TO THE TOP OF THE EXCAVATION. THE QUANTITY SHALL BE MEASURED FROM THE BOTTOM OF THE EXCAVATION TO THE TOP OF THE EXCAVATION. THE QUANTITY SHALL BE MEASURED FROM THE BOTTOM OF THE EXCAVATION TO THE TOP OF THE EXCAVATION.

ITEM 205 - CONCRETE
 THE QUANTITY SHALL BE MEASURED FROM THE BOTTOM OF THE EXCAVATION TO THE TOP OF THE EXCAVATION. THE QUANTITY SHALL BE MEASURED FROM THE BOTTOM OF THE EXCAVATION TO THE TOP OF THE EXCAVATION. THE QUANTITY SHALL BE MEASURED FROM THE BOTTOM OF THE EXCAVATION TO THE TOP OF THE EXCAVATION.

UNDERGROUND UTILITIES
 2 WORKING DAYS
 BEFORE YOU DIG
 CALL TOLL FREE 800-382-2764
 OR GAS PRODUCERS PROTECTIVE SERVICE
 CALL 1-800-975-0988



CITY OF STRONGSVILLE
 ENGINEERING DEPT.
 11111
 11111
 11111

PROGRESS DRIVE CULVERT REPLACEMENT

DATE	REVISION DESCRIPTION

C-6.0

SECTION 511 - CONCRETE WORK, ARCHITECTURAL TREATMENT

A. GENERAL

THE WORK TO BE DONE UNDER THIS ITEM SHALL INCLUDE THE CONSTRUCTION OF TYPICAL AND FINISHED CONCRETE SURFACES FROM FORMS AND A FORM STAY SYSTEM DESIGNED TO PROTECT THE PERMANENCE OF FINISHED SURFACES FROM DAMAGE DURING CONSTRUCTION.

THE MANUFACTURER OF THE FORMS AND FORM STAY SYSTEM SHALL HAVE 10 YEARS EXPERIENCE IN THE DESIGN AND CONSTRUCTION OF FORMS AND FORM STAY SYSTEMS FOR THE TYPE AND CLASS OF WORK TO BE DONE. THE MANUFACTURER SHALL HAVE A minimum of five (5) years experience with construction of similar vertical and horizontal concrete surfaces. THE MANUFACTURER SHALL BE LICENSED BY THE STATE OF OHIO AS A CONTRACTOR FOR CONSTRUCTION OF CONCRETE WORK.

THE MANUFACTURER SHALL BE LICENSED BY THE STATE OF OHIO AS A CONTRACTOR FOR CONSTRUCTION OF CONCRETE WORK.

THE MANUFACTURER SHALL BE LICENSED BY THE STATE OF OHIO AS A CONTRACTOR FOR CONSTRUCTION OF CONCRETE WORK.

B. GENERAL

FROM UNDER EACH FACE OF EACH FORM, UNIFORM AND BE STAY SYSTEMS SHALL BE PROVIDED TO SUPPORT THE FORMS AND FORM STAY SYSTEMS. THE SYSTEMS SHALL BE DESIGNED TO SUPPORT THE FORMS AND FORM STAY SYSTEMS UNDER ALL CONDITIONS OF CONSTRUCTION. THE SYSTEMS SHALL BE DESIGNED TO SUPPORT THE FORMS AND FORM STAY SYSTEMS UNDER ALL CONDITIONS OF CONSTRUCTION. THE SYSTEMS SHALL BE DESIGNED TO SUPPORT THE FORMS AND FORM STAY SYSTEMS UNDER ALL CONDITIONS OF CONSTRUCTION.

THE MANUFACTURER OF THE FORMS AND FORM STAY SYSTEMS SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE SYSTEMS. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE SYSTEMS. THE MANUFACTURER SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE SYSTEMS.

C. CONSTRUCTION

CONCRETE SHALL BE PLACED AND FINISHED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

1. BE OF SUFFICIENT SIZE TO ADEQUATELY SHOW THE SELECTED PATTERN, TEXTURE AND FINISH.
2. AND OPERATIONS OF THE FORMS AND FORM STAY SYSTEMS SHALL BE COMPLETED BEFORE THE CONCRETE IS PLACED.
3. AND OPERATIONS OF THE FORMS AND FORM STAY SYSTEMS SHALL BE COMPLETED BEFORE THE CONCRETE IS PLACED.
4. AND OPERATIONS OF THE FORMS AND FORM STAY SYSTEMS SHALL BE COMPLETED BEFORE THE CONCRETE IS PLACED.

D. CONSTRUCTION

CONCRETE SHALL BE PLACED AND FINISHED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

1. BE OF SUFFICIENT SIZE TO ADEQUATELY SHOW THE SELECTED PATTERN, TEXTURE AND FINISH.
2. AND OPERATIONS OF THE FORMS AND FORM STAY SYSTEMS SHALL BE COMPLETED BEFORE THE CONCRETE IS PLACED.
3. AND OPERATIONS OF THE FORMS AND FORM STAY SYSTEMS SHALL BE COMPLETED BEFORE THE CONCRETE IS PLACED.
4. AND OPERATIONS OF THE FORMS AND FORM STAY SYSTEMS SHALL BE COMPLETED BEFORE THE CONCRETE IS PLACED.

SECTION 512 - CONCRETE WORK, STRUCTURAL

THE WORK TO BE DONE UNDER THIS ITEM SHALL INCLUDE THE CONSTRUCTION OF TYPICAL AND FINISHED CONCRETE SURFACES FROM FORMS AND A FORM STAY SYSTEM DESIGNED TO PROTECT THE PERMANENCE OF FINISHED SURFACES FROM DAMAGE DURING CONSTRUCTION.

THE MANUFACTURER OF THE FORMS AND FORM STAY SYSTEM SHALL HAVE 10 YEARS EXPERIENCE IN THE DESIGN AND CONSTRUCTION OF FORMS AND FORM STAY SYSTEMS FOR THE TYPE AND CLASS OF WORK TO BE DONE. THE MANUFACTURER SHALL HAVE A minimum of five (5) years experience with construction of similar vertical and horizontal concrete surfaces. THE MANUFACTURER SHALL BE LICENSED BY THE STATE OF OHIO AS A CONTRACTOR FOR CONSTRUCTION OF CONCRETE WORK.

B. GENERAL

FROM UNDER EACH FACE OF EACH FORM, UNIFORM AND BE STAY SYSTEMS SHALL BE PROVIDED TO SUPPORT THE FORMS AND FORM STAY SYSTEMS. THE SYSTEMS SHALL BE DESIGNED TO SUPPORT THE FORMS AND FORM STAY SYSTEMS UNDER ALL CONDITIONS OF CONSTRUCTION. THE SYSTEMS SHALL BE DESIGNED TO SUPPORT THE FORMS AND FORM STAY SYSTEMS UNDER ALL CONDITIONS OF CONSTRUCTION.

C. CONSTRUCTION

CONCRETE SHALL BE PLACED AND FINISHED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

1. BE OF SUFFICIENT SIZE TO ADEQUATELY SHOW THE SELECTED PATTERN, TEXTURE AND FINISH.
2. AND OPERATIONS OF THE FORMS AND FORM STAY SYSTEMS SHALL BE COMPLETED BEFORE THE CONCRETE IS PLACED.
3. AND OPERATIONS OF THE FORMS AND FORM STAY SYSTEMS SHALL BE COMPLETED BEFORE THE CONCRETE IS PLACED.
4. AND OPERATIONS OF THE FORMS AND FORM STAY SYSTEMS SHALL BE COMPLETED BEFORE THE CONCRETE IS PLACED.

D. CONSTRUCTION

CONCRETE SHALL BE PLACED AND FINISHED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:

1. BE OF SUFFICIENT SIZE TO ADEQUATELY SHOW THE SELECTED PATTERN, TEXTURE AND FINISH.
2. AND OPERATIONS OF THE FORMS AND FORM STAY SYSTEMS SHALL BE COMPLETED BEFORE THE CONCRETE IS PLACED.
3. AND OPERATIONS OF THE FORMS AND FORM STAY SYSTEMS SHALL BE COMPLETED BEFORE THE CONCRETE IS PLACED.
4. AND OPERATIONS OF THE FORMS AND FORM STAY SYSTEMS SHALL BE COMPLETED BEFORE THE CONCRETE IS PLACED.

UNDERGROUND UTILITIES

2 WORKING DAYS BEFORE YOU DIG

CALL TOLL FREE 800-382-2764

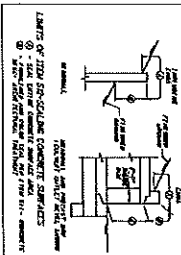
OR 419-393-8333

CALL 1-800-925-0988

SECTION 513 - FORMS, BACKFILL WITH GEOTEXTILE FABRIC AS PER PLAN

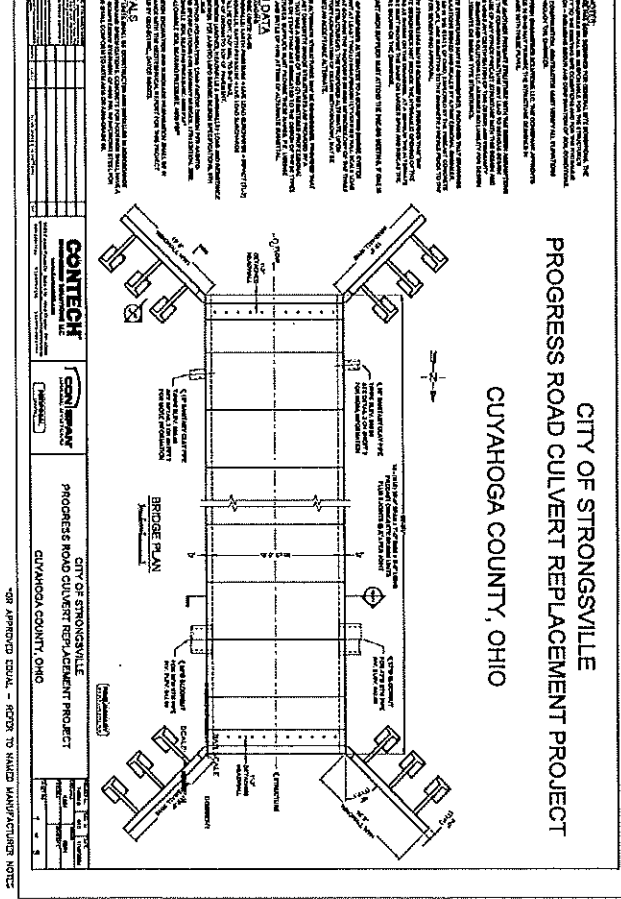
THE WORK TO BE DONE UNDER THIS ITEM SHALL INCLUDE THE CONSTRUCTION OF TYPICAL AND FINISHED CONCRETE SURFACES FROM FORMS AND A FORM STAY SYSTEM DESIGNED TO PROTECT THE PERMANENCE OF FINISHED SURFACES FROM DAMAGE DURING CONSTRUCTION.

THE MANUFACTURER OF THE FORMS AND FORM STAY SYSTEM SHALL HAVE 10 YEARS EXPERIENCE IN THE DESIGN AND CONSTRUCTION OF FORMS AND FORM STAY SYSTEMS FOR THE TYPE AND CLASS OF WORK TO BE DONE. THE MANUFACTURER SHALL HAVE A minimum of five (5) years experience with construction of similar vertical and horizontal concrete surfaces. THE MANUFACTURER SHALL BE LICENSED BY THE STATE OF OHIO AS A CONTRACTOR FOR CONSTRUCTION OF CONCRETE WORK.



NOTES

1. THE WORK TO BE DONE UNDER THIS ITEM SHALL INCLUDE THE CONSTRUCTION OF TYPICAL AND FINISHED CONCRETE SURFACES FROM FORMS AND A FORM STAY SYSTEM DESIGNED TO PROTECT THE PERMANENCE OF FINISHED SURFACES FROM DAMAGE DURING CONSTRUCTION.
2. THE MANUFACTURER OF THE FORMS AND FORM STAY SYSTEM SHALL HAVE 10 YEARS EXPERIENCE IN THE DESIGN AND CONSTRUCTION OF FORMS AND FORM STAY SYSTEMS FOR THE TYPE AND CLASS OF WORK TO BE DONE.
3. THE MANUFACTURER SHALL HAVE A minimum of five (5) years experience with construction of similar vertical and horizontal concrete surfaces.
4. THE MANUFACTURER SHALL BE LICENSED BY THE STATE OF OHIO AS A CONTRACTOR FOR CONSTRUCTION OF CONCRETE WORK.



CITY OF STRONGSVILLE

ENGINEERING DEPT.

11111

DATE OF 2023

DRAWN BY

CHECKED BY

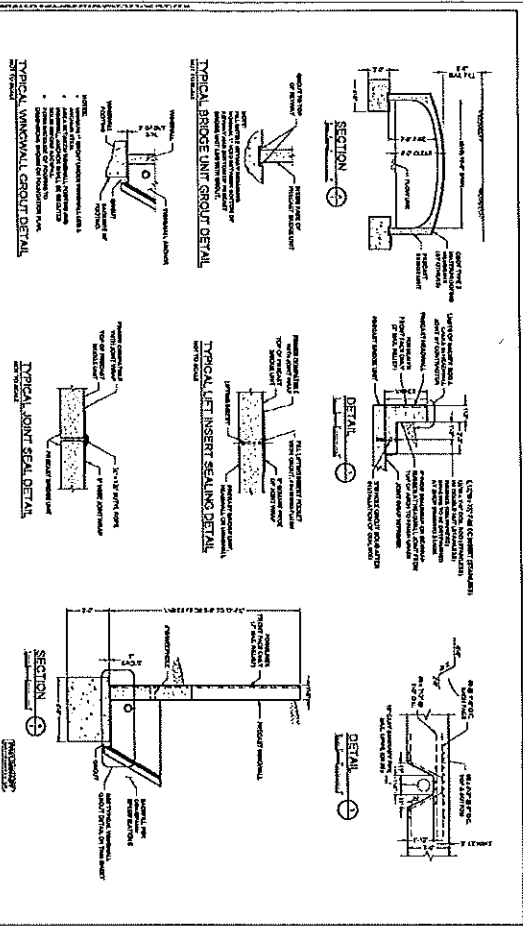
SCALE AS NOTED

C-7.0

PROGRESS DRIVE CULVERT REPLACEMENT

STRUCTURE DETAILS AND SPECIFICATIONS

NO.	REVISION DESCRIPTION



CONTECH
 CITY OF STRONGSVILLE
 PROGRESS ROAD CULVERT REPLACEMENT PROJECT
 CUYAHOGA COUNTY, OHIO

CONTECH
 CITY OF STRONGSVILLE
 PROGRESS ROAD CULVERT REPLACEMENT PROJECT
 CUYAHOGA COUNTY, OHIO

SPECIFICATIONS FOR MANUFACTURE AND INSTALLATION OF CONSPAN BRIDGE SYSTEMS

1.0 GENERAL

1.1 SUMMARY

1.2 REFERENCES

1.3 RELATED SECTIONS

2.0 MATERIALS

2.1 MANUFACTURE

2.2 INSTALLATION

3.0 CONSTRUCTION

3.1 PREPARATION OF SUBGRADE

3.2 BRIDGE DECK

3.3 BRIDGE JOINTS

3.4 BRIDGE ABUTMENTS

3.5 BRIDGE PIERS

3.6 BRIDGE WINGWALLS

3.7 BRIDGE APPROACHES

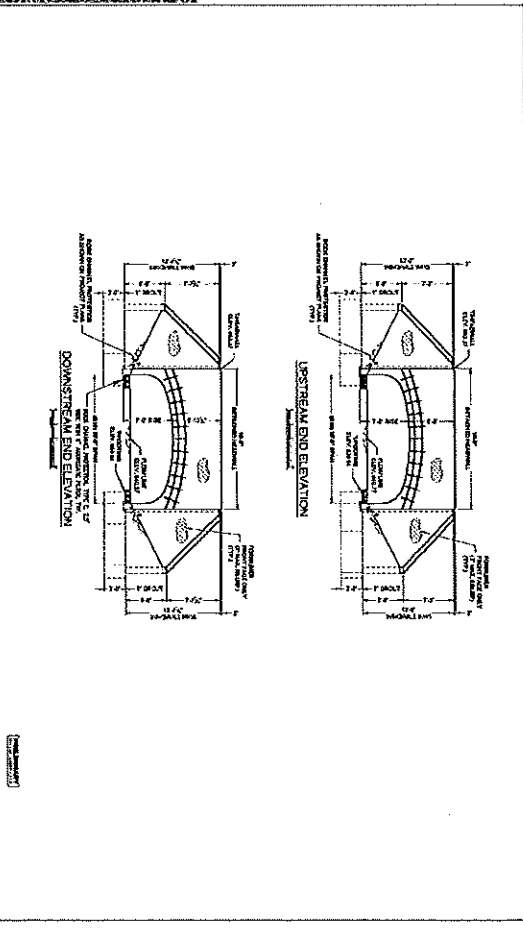
3.8 BRIDGE CURBS

3.9 BRIDGE FENCING

3.10 BRIDGE LIGHTING

3.11 BRIDGE PAINTING

3.12 BRIDGE MAINTENANCE



CONTECH
 CITY OF STRONGSVILLE
 PROGRESS ROAD CULVERT REPLACEMENT PROJECT
 CUYAHOGA COUNTY, OHIO

CONTECH
 CITY OF STRONGSVILLE
 PROGRESS ROAD CULVERT REPLACEMENT PROJECT
 CUYAHOGA COUNTY, OHIO

SPECIFICATIONS FOR MANUFACTURE AND INSTALLATION OF CONSPAN BRIDGE SYSTEMS (CONTD.)

3.13 BRIDGE CURBS

3.14 BRIDGE FENCING

3.15 BRIDGE LIGHTING

3.16 BRIDGE PAINTING

3.17 BRIDGE MAINTENANCE

4.0 TESTING

4.1 LOAD TESTING

4.2 DEFLECTION TESTING

4.3 CRACKING TESTING

4.4 DURABILITY TESTING

5.0 QUALITY CONTROL

5.1 MATERIAL TESTING

5.2 CONSTRUCTION TESTING

5.3 FINISH TESTING

6.0 MAINTENANCE

6.1 BRIDGE INSPECTION

6.2 BRIDGE REPAIRS

6.3 BRIDGE DEMOLITION

CITY OF STRONGSVILLE
 ENGINEERING DEPT.
 1835 FORTH PARKWAY, STRONGSVILLE, OHIO 44136

PROGRESS DRIVE CULVERT REPLACEMENT

STRUCTURE DETAILS AND SPECIFICATIONS

DATE: _____

REVISION: 44502P10X

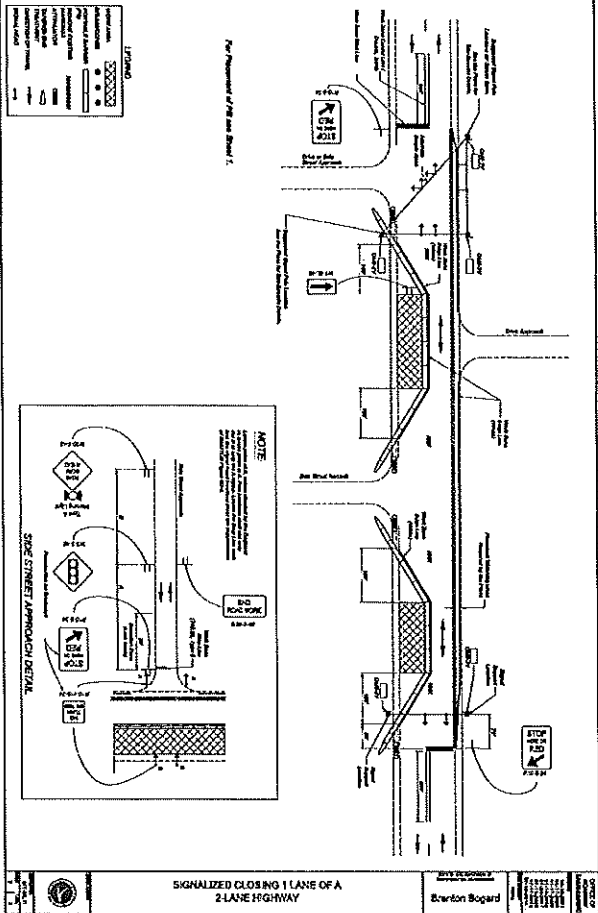
C-810

SCALE AS SHOWN

DATE: OCT 2003

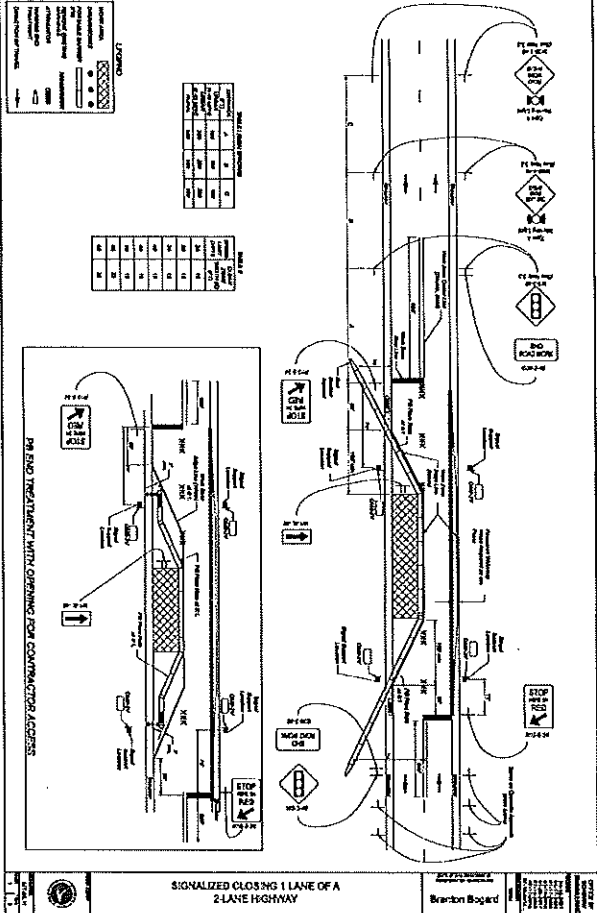
DRAWN BY: _____

CHECKED BY: _____



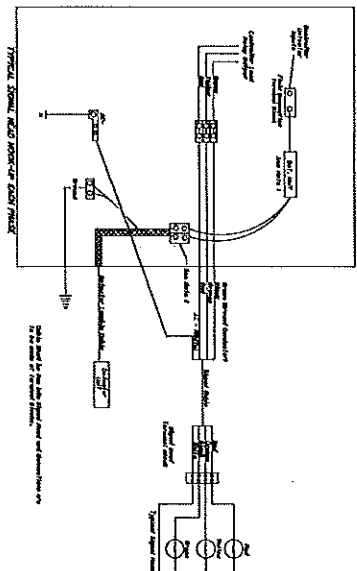
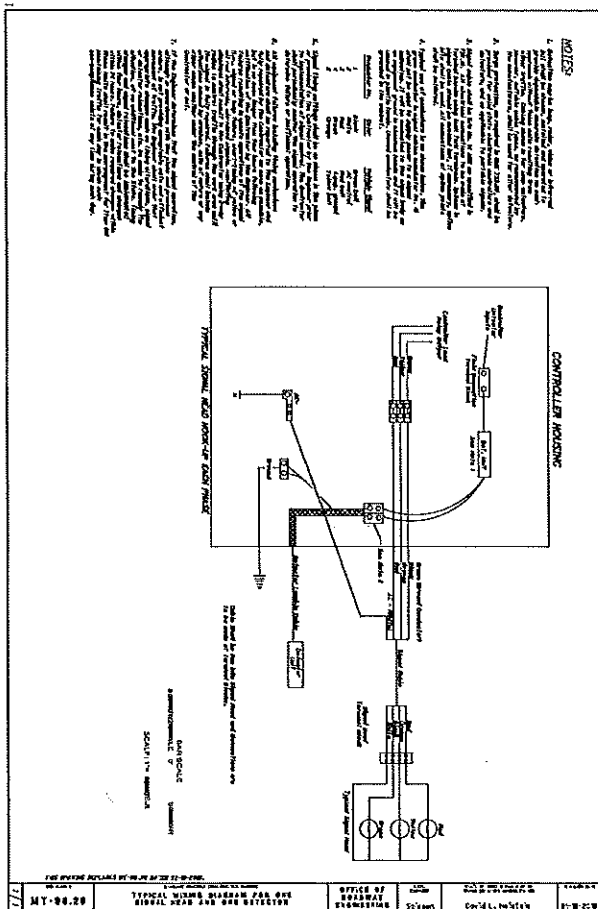
SIGNALIZED CLOSING 1 LANE OF A 2-LANE HIGHWAY

BRANTON BOGARD



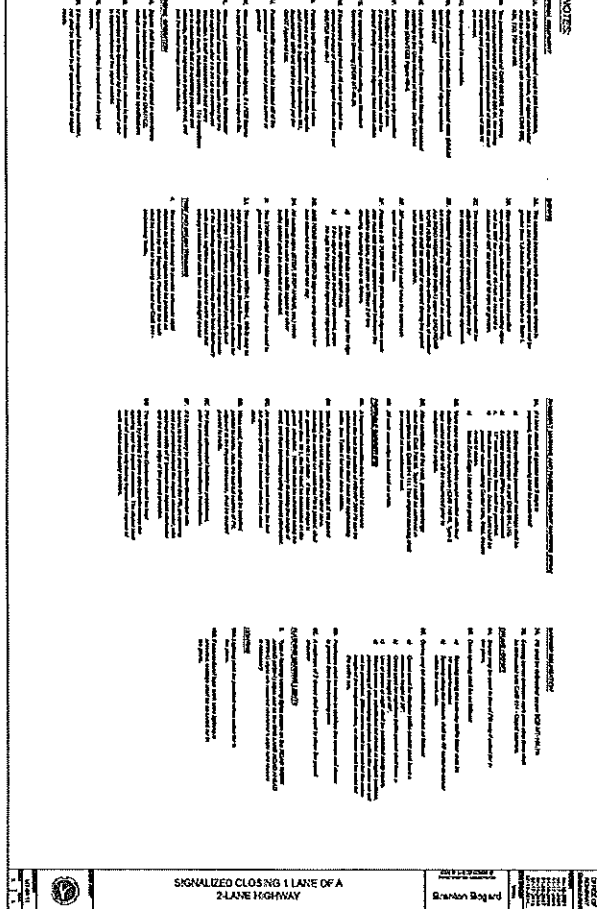
SIGNALIZED CLOSING 1 LANE OF A 2-LANE HIGHWAY

BRANTON BOGARD



- NOTES:**
1. All signal heads shall be of the same type and color.
 2. The signal heads shall be placed in accordance with the following:
 - a. Through traffic shall be shown on the left side of the intersection.
 - b. Left-turning traffic shall be shown on the right side of the intersection.
 3. The signal heads shall be placed in accordance with the following:
 - a. Through traffic shall be shown on the left side of the intersection.
 - b. Left-turning traffic shall be shown on the right side of the intersection.
 4. The signal heads shall be placed in accordance with the following:
 - a. Through traffic shall be shown on the left side of the intersection.
 - b. Left-turning traffic shall be shown on the right side of the intersection.

OFFICE OF THE ENGINEER
 BRANTON BOGARD
 12345 MAIN STREET, STRONGSVILLE, OHIO 44131



SIGNALIZED CLOSING 1 LANE OF A 2-LANE HIGHWAY

BRANTON BOGARD

C-10.0

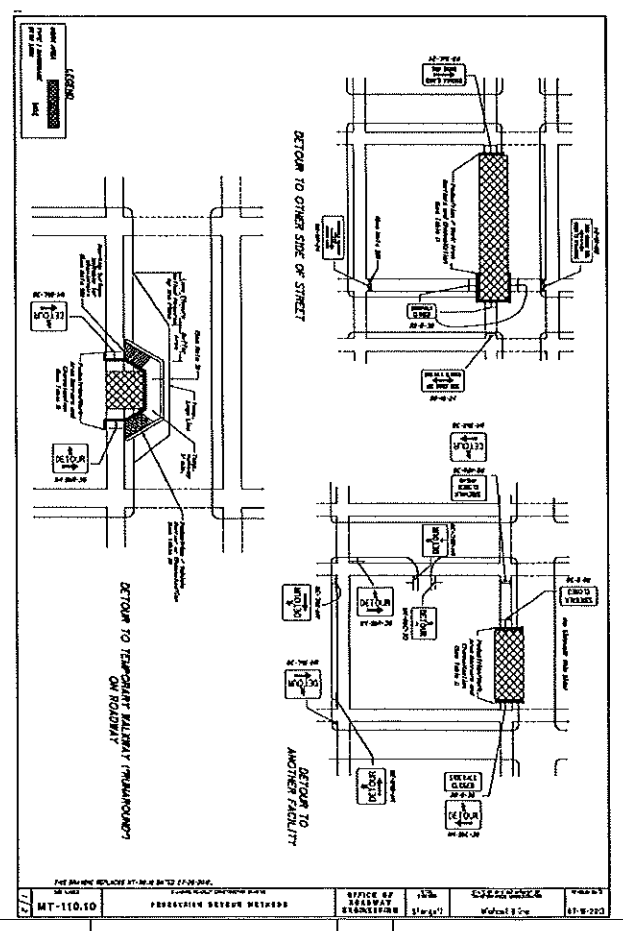
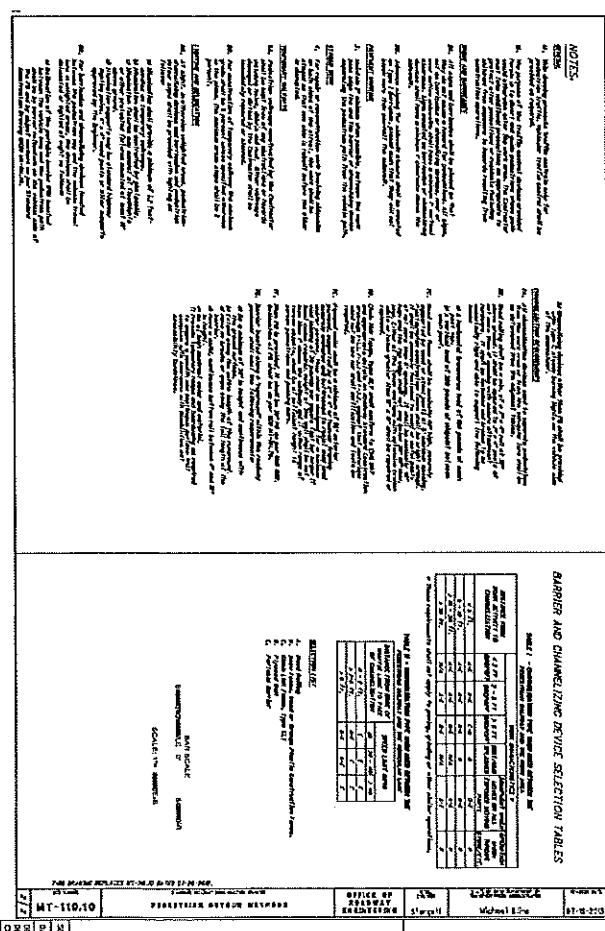
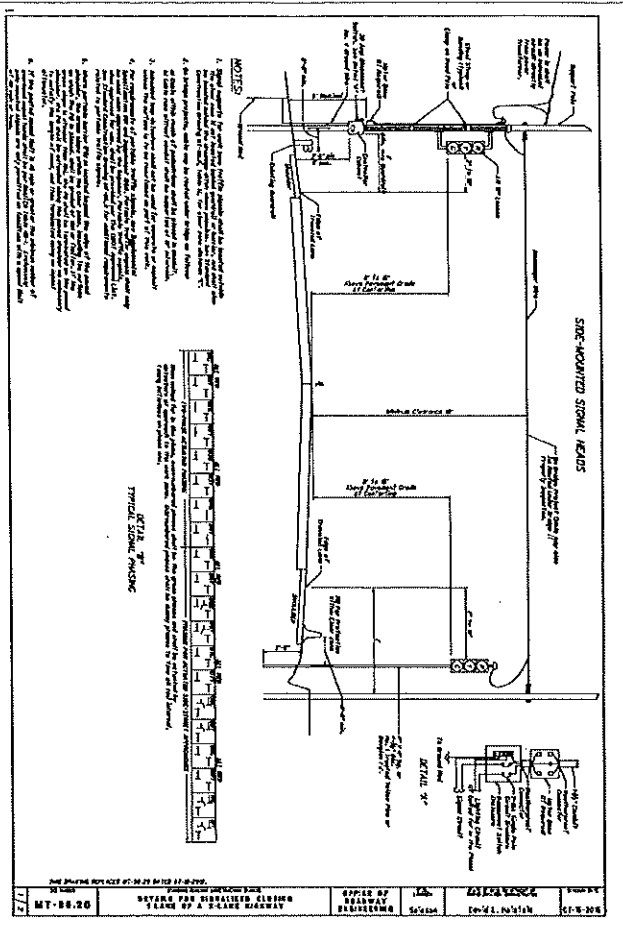
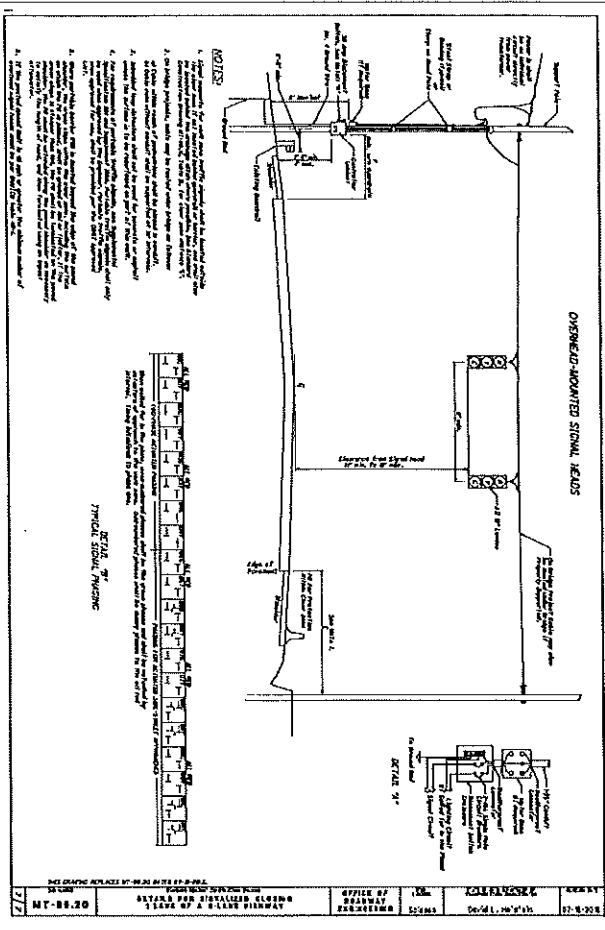
CITY OF STRONGSVILLE
 ENGINEERING DEPT.
 12345 MAIN STREET, STRONGSVILLE, OHIO 44131



PROGRESS DRIVE CULVERT REPLACEMENT

STANDARD CONSTRUCTION DRAWINGS

DATE	REVISION DESCRIPTION

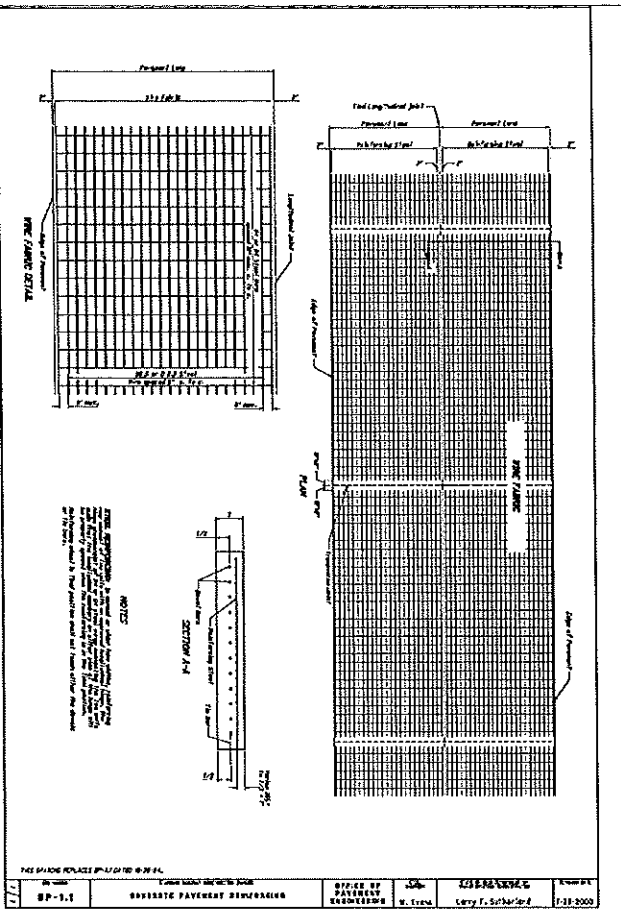


C-11.0

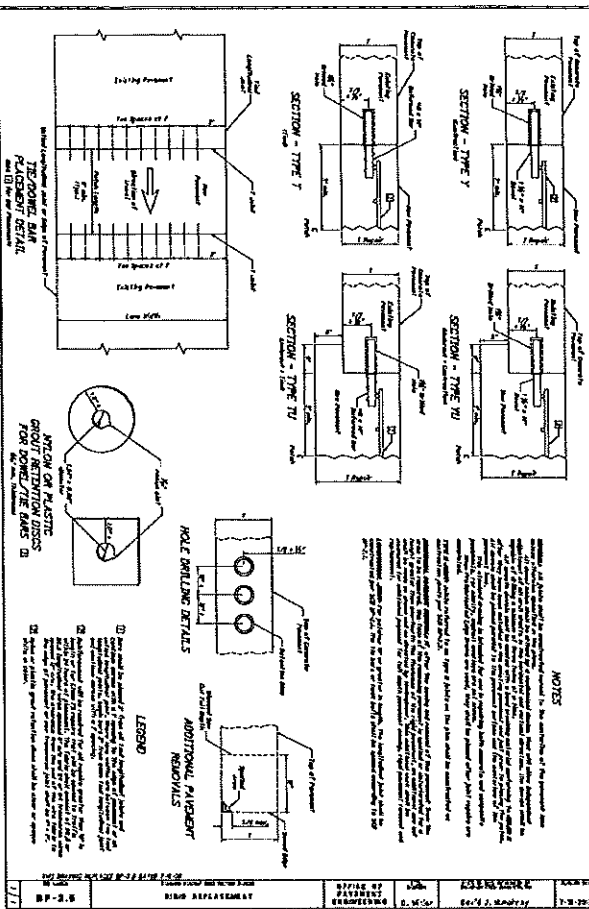
CITY OF STRONGVILLE
 ENGINEERING DEPT.
 1800 FAIR PARKWAY, STRONGVILLE, OHIO 44111

PROGRESS DRIVE CULVERT
 REPLACEMENT

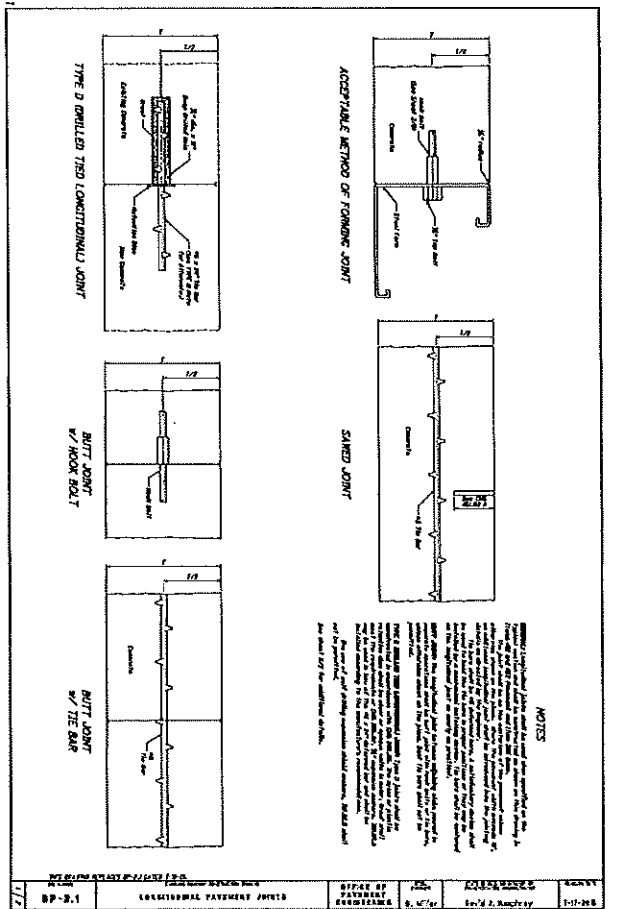
DATE	REVISION DESCRIPTION



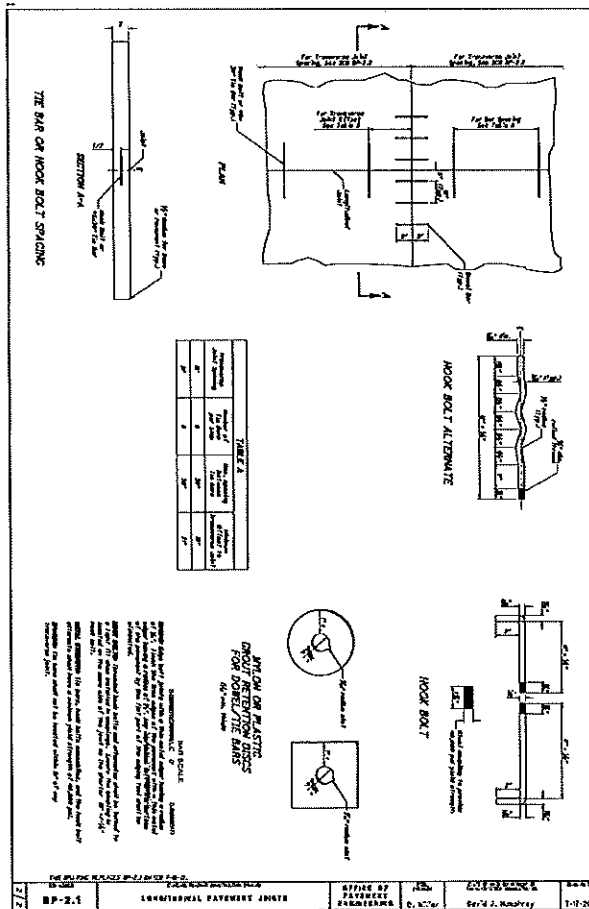
17	BP-1.1	CONCRETE PAVEMENT REINFORCEMENT	OFFICE OF PAVEMENT ENGINEERING	DATE 8/1/14	DESIGNED BY Ken J. Ruchley	SCALE 1/4" = 1'-0"
----	--------	---------------------------------	--------------------------------------	----------------	-------------------------------	-----------------------



17	BP-2.5	RIBB REINFORCEMENT	OFFICE OF PAVEMENT ENGINEERING	DATE 8/1/14	DESIGNED BY Ken J. Ruchley	SCALE 1/4" = 1'-0"
----	--------	--------------------	--------------------------------------	----------------	-------------------------------	-----------------------




17	BP-2.1	CONCRETE PAVEMENT JOINTS	OFFICE OF PAVEMENT ENGINEERING	DATE 8/1/14	DESIGNED BY Ken J. Ruchley	SCALE 1/4" = 1'-0"
----	--------	--------------------------	--------------------------------------	----------------	-------------------------------	-----------------------



17	BP-2.1	CONCRETE PAVEMENT JOINTS	OFFICE OF PAVEMENT ENGINEERING	DATE 8/1/14	DESIGNED BY Ken J. Ruchley	SCALE 1/4" = 1'-0"
----	--------	--------------------------	--------------------------------------	----------------	-------------------------------	-----------------------

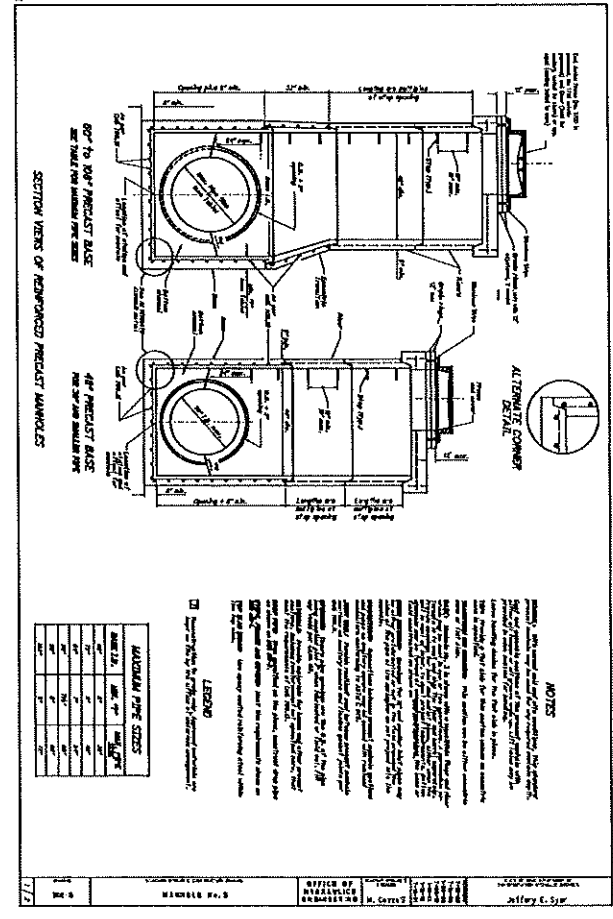
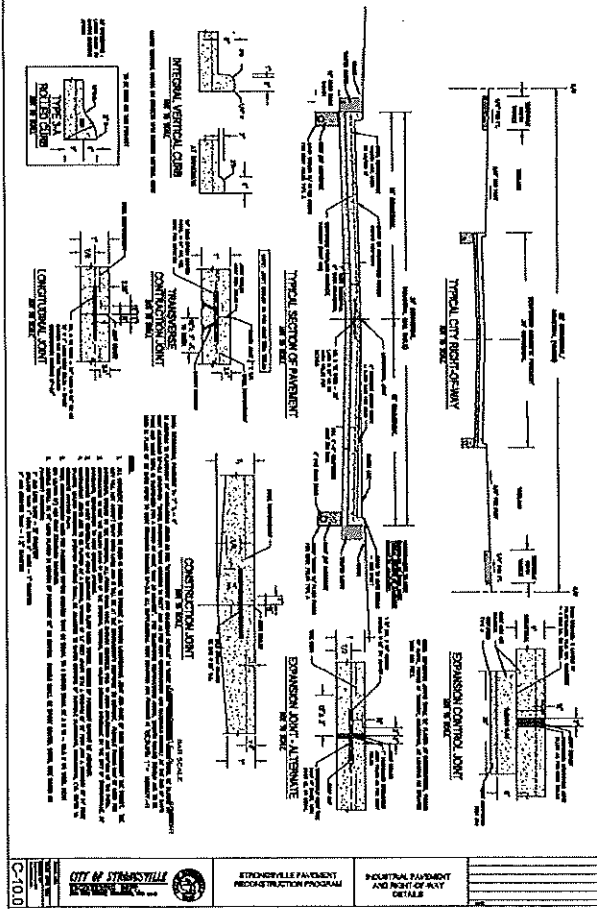
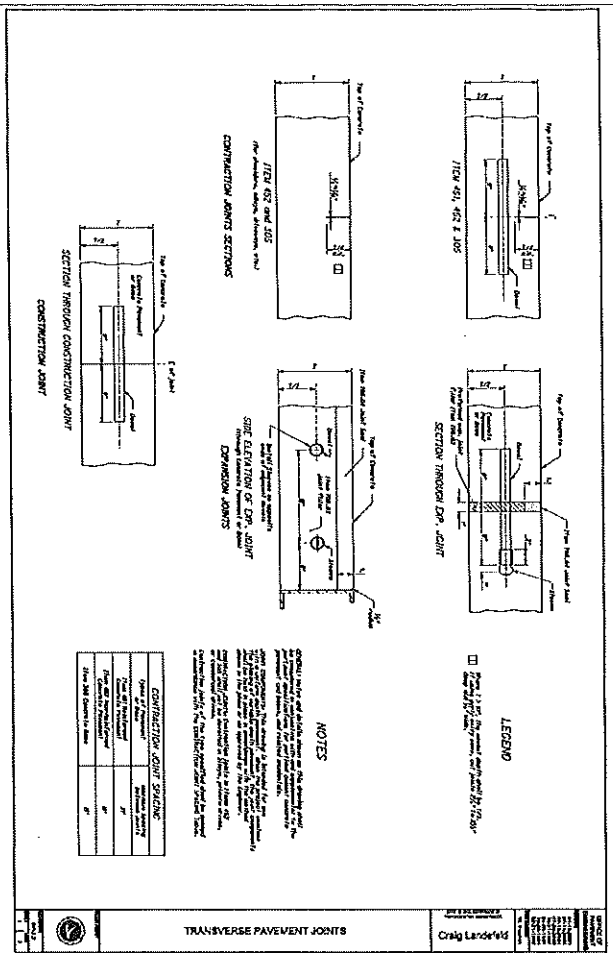
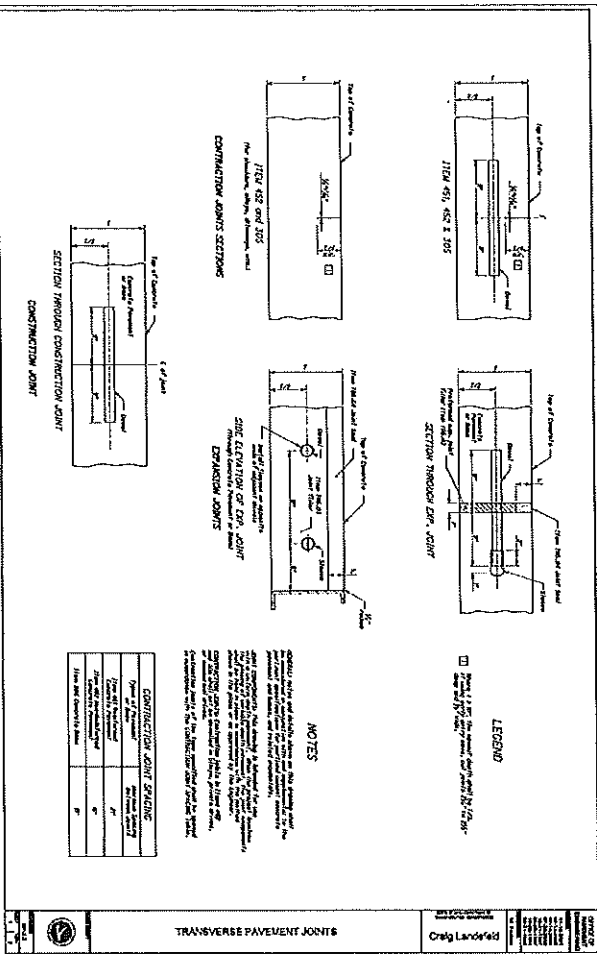
C-12.0

CITY OF STRONGSVILLE
ENGINEERING DEPT.
1600 EAST FLEET STREET, STRONGSVILLE, OHIO 44136

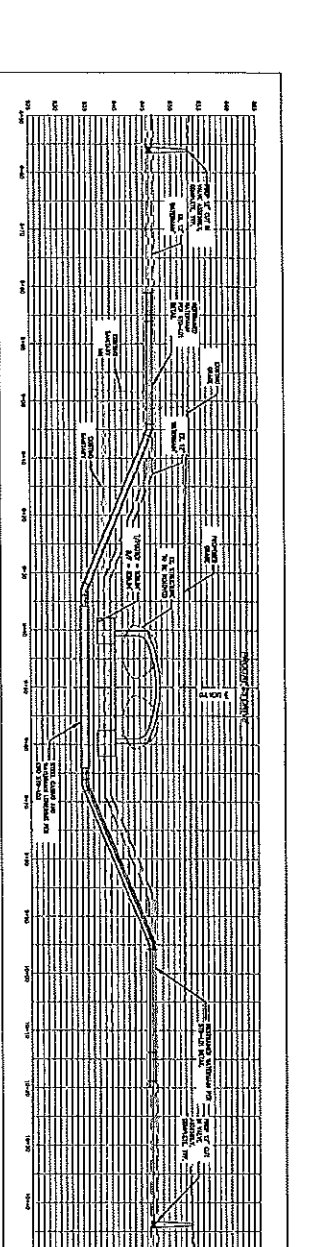
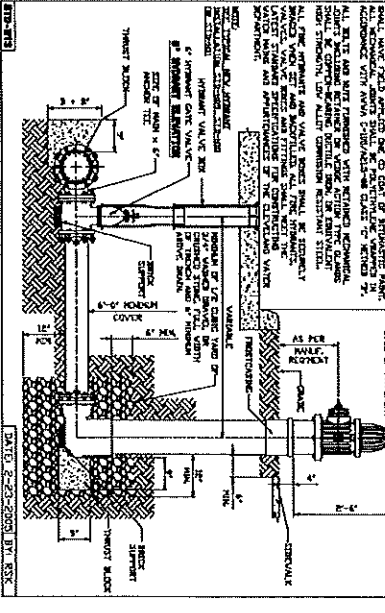
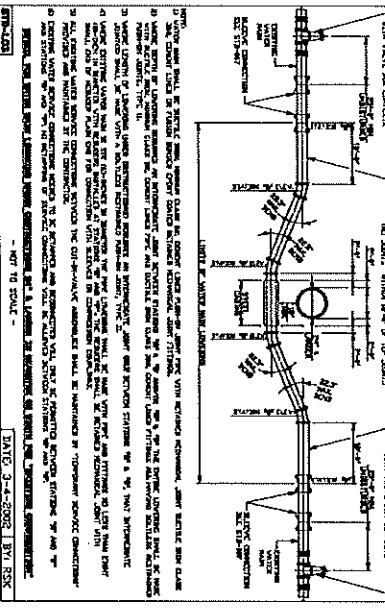
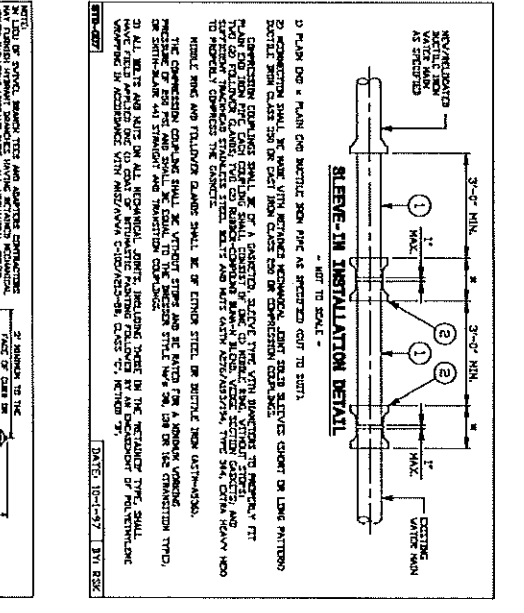
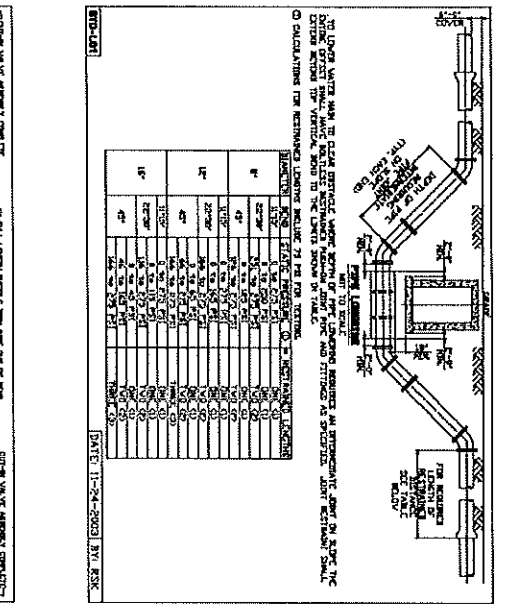
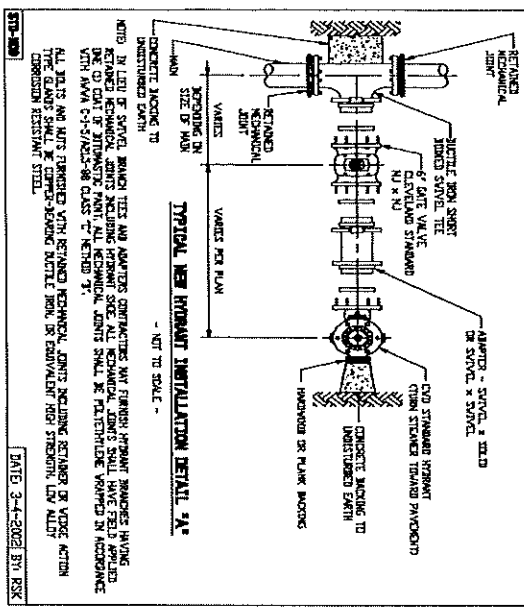


PROGRESS DRIVE CULVERT
REPLACEMENT

DATE	REVISION DESCRIPTION



C-130



PROGRESS DRIVE WATERING LOWERING PROFILE
SCALE: 1" = 10'

DESCRIPTION OF WORK: THE WORK SHALL BE PERFORMED AS DESCRIBED IN THE SPECIFICATIONS AND SHALL INCLUDE THE FOLLOWING:

- 1. REMOVAL OF EXISTING CURB AND GUTTER.
- 2. CONSTRUCTION OF NEW CEMENT CONCRETE CURB AND GUTTER.
- 3. INSTALLATION OF NEW 12\"/>

GENERAL NOTES:

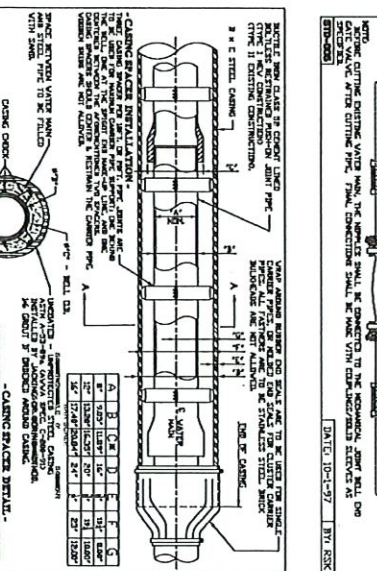
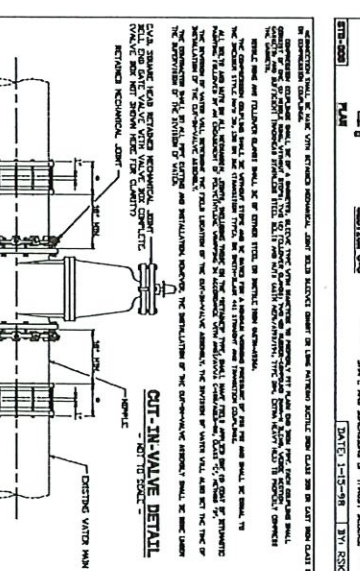
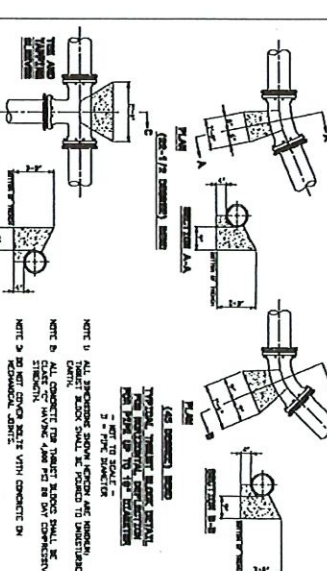
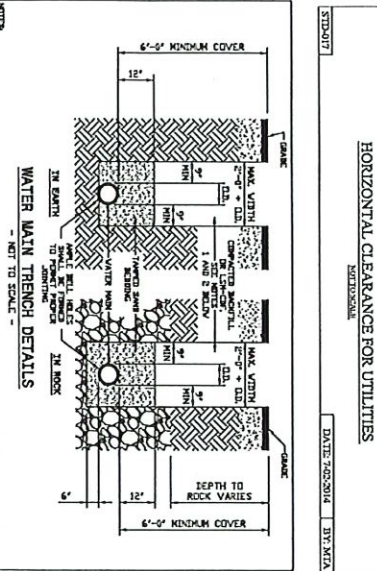
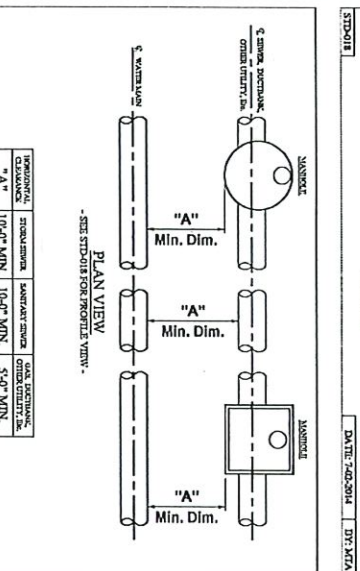
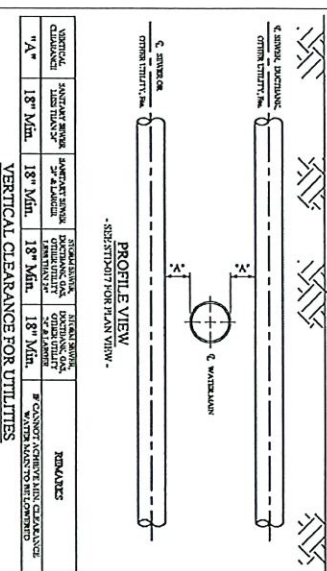
1. ALL UTILITIES SHALL BE DEEPER THAN THE PROPOSED WATER MAIN.
2. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
3. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
4. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
5. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
6. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
7. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
8. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
9. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
10. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.

GENERAL NOTES:

1. ALL UTILITIES SHALL BE DEEPER THAN THE PROPOSED WATER MAIN.
2. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
3. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
4. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
5. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
6. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
7. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
8. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
9. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
10. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.

GENERAL NOTES:

1. ALL UTILITIES SHALL BE DEEPER THAN THE PROPOSED WATER MAIN.
2. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
3. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
4. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
5. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
6. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
7. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
8. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
9. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.
10. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF SAND OR GRAVEL.



OFFICE OF THE COUNCIL
City of Strongsville

TO: Lori Daley, Assistant City Engineer
FROM: Marialena Beach, Council Secretary
DATE: April 16, 2024
SUBJECT: Ordinance No. 2024-046; Progress Drive Culvert Project
Community Cost-Share Agreement with the Northeast Ohio Regional Sewer District.
Provide reimbursement of funds in connection with the Progress Drive Culvert Project

Attached please find a certified copy of Ordinance No. 2024-046, along with the original Community Cost-Share agreement with supplemental documents with the Northeast Ohio Regional Sewer District in connection with the Progress Drive Culvert Project.

Please deliver to the appropriate person to have the agreement executed with the Northeast Ohio Regional Sewer District.

After doing so, **please forward the executed original agreement marked "Ex. 1" back to the Council Office** to be retained with the legislation.

Thank you.

MB
Attachments