City of Willoughby Hills

Interoffice Memo

Date: May 2, 2019

To: Council President Fellows, Council Members and Council Clerk Savage

From: Robert M. Weger, Mayor/Safety Director

Subject: Ordinance for the White Road Project in Conjunction with Mayfield Village

I respectfully request an Ordinance to accept the attached quote as presented by Mayfield Village for the construction and engineering of a portion of White Road within the Mayfield Village project. The work will be done by Chagrin Valley Paving following the appropriate bid process (see attached Bid Results). The estimated cost to the City of Willoughby Hills is $32,726.18; however, I am requesting an allocation of $35,000 be legislated to allow for pavement base repairs, as well. (See attached email from City Engineer DiFranco). In order to expedite the project, I would recommend an Emergency Clause and waiving the Three Readings to pass this Ordinance. Thank you for your consideration at the next Council meeting.

cc: City Engineer Pete Di Franco
Assistant City Engineer Kevin Trepal
Road Superintendent Mark Grubiss
Finance Director Frank Brichacek
Law Director James R. O'Leary

Gloria Majeski

From: Pietro DiFranco <PDiFranco@RLBA.com>
Sent: Wednesday, May 01, 2019 9:44 AM
To: Robert Weger; Gloria Majeski
Cc: lawdirector; Mark Grubiss; Kevin Trepal
Subject: FW: Resurfacing - White Rd (North Commons-Marcum) - Mayfield Village/Willoughby Hills
Attachments: 190405 Full Size Bid Set with Addendum#1.pdf; 18-213 BID TABULATION 4-19-2019.pdf; 18-213 WILLOUGHBY HILLS PORTION.pdf

Mayor,
Below and attached is the estimate from Mayfield Village to include the Willoughby Hills portion of White Rd within their project. The received public bids and intend to award the contract to Chagrin Valley Paving on 5/6/2019. They anticipate the contractor may start construction as soon as one week afterwards, or 5/13/2019, weather permitting.

The estimate cost to Willoughby Hills, including construction and engineering is approximately $32,726.18. This includes a small contingency amount for pavement base repairs which can't be determined until the existing surface layer is planned off. I recommend requesting council increase the limit to approximately $35,000 to include additional contingency for any unforeseen conditions that may arise during construction. The 2019 city budget noted $50,000 available for this project on page E-64.

Due to the short timeframe, please request the legislation be passed on first reading and with an emergency clause.

Let me know if you have any questions comments.
Thanks,
Pete

From: Tom Cappello [mailto:tcappello@hovancsek.com]
Sent: Wednesday, May 01, 2019 9:04 AM
To: Pietro DiFranco
Cc: Mark Grubiss (markgrubiss@willoughbyhills-oh.gov); Kevin Trepal; 'rwynne@mayfieldvillage.com'; 'dwolgamuth@mayfieldvillage.com'
Subject: RE: Resurfacing - White Rd (North Commons-Marcum) - Mayfield Village/Willoughby Hills

Pete,

Attached is the Bid Tabulation as well as the plans for the White Road Resurfacing.

I have also attached the estimated quantities and construction cost of The City of Willoughby Hills portion of White Road.

Estimated Construction Cost	= $30,873.75
Engineering (6%)	= $1,852.43
Total	=$32,726.18

Please have the City of Willoughby Hills pass legislation committing to pay for their portion of this project.

If you or anyone at the City have any questions please feel free to contact me.

Thank you,

From: Pietro DiFranco <PDiFranco@RLBA.com>
Sent: Monday, March 04, 2019 10:26 AM
To: Tom Cappello <tcappello@hovancsek.com>
Cc: Mark Grubiss (markgrubiss@willoughbyhills-oh.gov) <markgrubiss@willoughbyhills-oh.gov>; Kevin Trepal <ktrepal@RLBA.com>
Subject: Resurfacing - White Rd (North Commons-Marcum) - Mayfield Village/Willoughby Hills

Hi Tom,

I visited White Rd on Saturday 3/2/19. Attached are photos starting at North Commons Blvd and walking to Marcum Blvd. Also attached is a map. I estimate a strip approximately 200' long by 4' wide along the north road edge will need a partial depth pavement repair (i.e. – 6" depth). The total project length appears to be approximately 730' long.

Let me know if you have any questions, comments, or need anything else from me for your estimate.

Thanks,
Pete

Pietro A. DiFranco PE LEED AP CPESC
Principal

RICHARD L. BOWEN + ASSOCIATES INC.
13000 Shaker Blvd. | Cleveland OH 44120
T: 216.377.3813 | F: 216.491.8053
Architecture | Engineering | Construction Services

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MAYFIELD VILLAGE, OHIO
2019 ROAD MAINTENANCE PROGRAM
HIGHLAND ROAD, WHITE ROAD, THE CIVIC CENTER AND THE GROVE

INDEX OF SHEETS

SHEET DESCRIPTION	SHEET NUMBER
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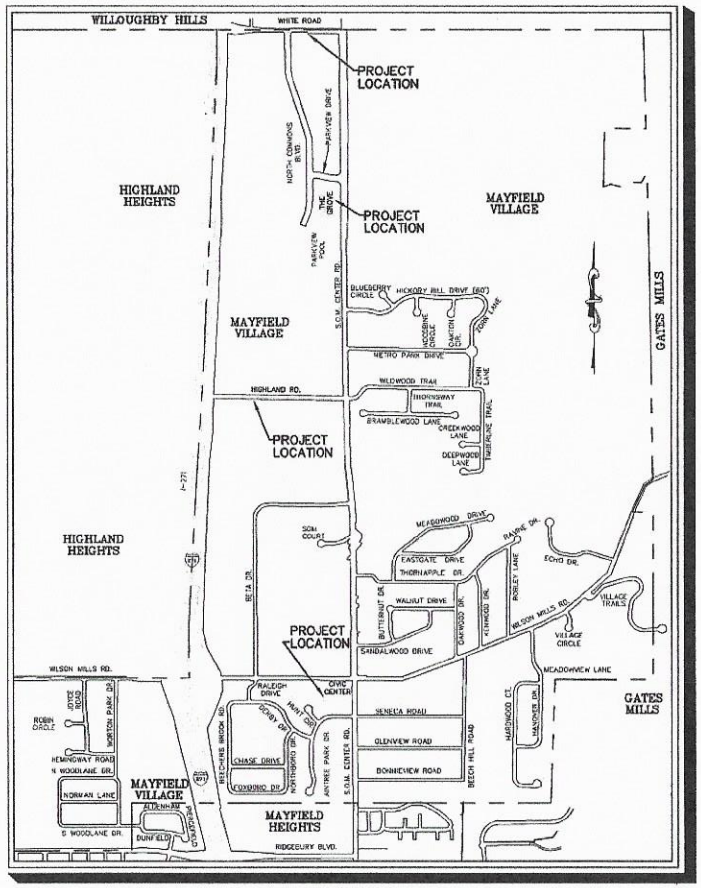
WHITE ROAD RESURFACING PLANS	8
CIVIC CENTER PARKING LOT IMPROVEMENT PLAN	9
THE GROVE PARKING AND UTILITY PLAN	10
MISCELLANEOUS DETAILS	11–12

Know what's below. Call before you dig.

EXISTING UNDERGROUND UTILITY NOTE:

THE SIZE AND LOCATION, BOTH HORIZONTAL AND VERTICAL, OF THE UNDERGROUND UTILITIES SHOWN HEREON, HAVE BEEN OBTAINED BY A DILIGENT AND COMPREHENSIVE SEARCH OF AVAILABLE RECORDS. VERIFICATION BY FIELD OBSERVATION HAS BEEN CONDUCTED WHERE PRACTICAL. HOWEVER, STEPHEN HOVANCSEK AND ASSOCIATES INC. DOES NOT GUARANTEE THE COMPLETENESS NOR ACCURACY THEREOF.

REVISIONS			
8)			
5)			
4)			
3)			
2)			
1)	ADDENDUM #1 (SHEET 10 of 12)	4/15/19	TC/SJS
No	DESCRIPTION	DATE	BY



LOCATION MAP
MARCH 2019
0 1000 2000
1"=1000'

PREPARED FOR
MAYFIELD VILLAGE
MAYOR
BRENDA T. BODNAR

COUNCIL

WARD 1	BILL MARQUARDT
WARD 2	LILLIAN (PATSY) MILLS
WARD 3	STEPHAN PARKER
WARD 4	GEORGE WILLIAMS
AT LARGE – PRESIDENT PRO TEM	ALLEN MEYERS
AT LARGE – PRESIDENT	JOSEPH SAPONARO
AT LARGE	STEPHEN SCHUTT

PREPARED BY
STEPHEN HOVANCSEK & ASSOC., INC.
CONSULTING ENGINEERS & PLANNERS
TWO MERIT DRIVE RICHMOND HEIGHTS, OHIO

DOUG METZUNG
DIRECTOR OF SERVICE

STATE OF OHIO THOMAS CAPPELLO NO. 52486 REGISTERED PROFESSIONAL ENGINEER

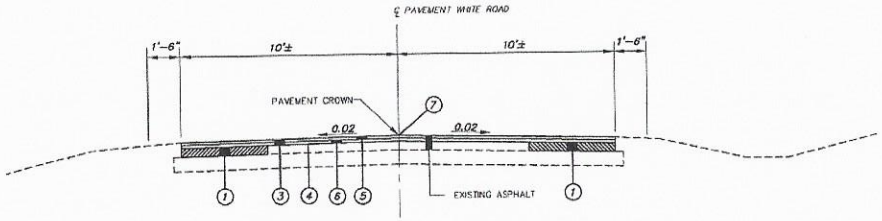
THOMAS CAPPELLO, P.E., P.S.
VILLAGE ENGINEER

SET NO. ___

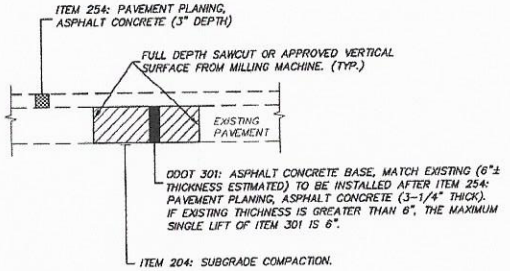
9:\2018\18-213 MV 2019 ROAD MAINTENANCE PROGRAM\Dwg Set\18-213-PG-01 Title Sheet.dwg 4/8/2019 10:01:46 AM EDT

18–213

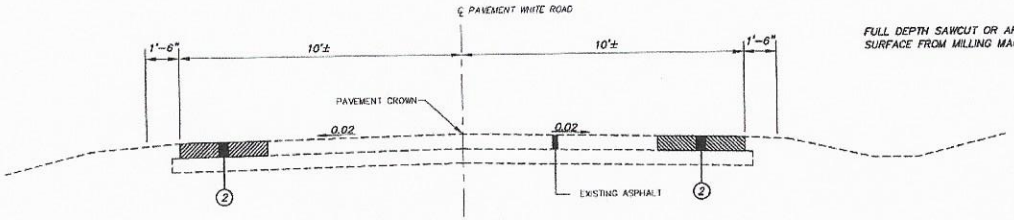
ORDINANCE NO. 2019-39
"Exhibit A" Page 4 of 18



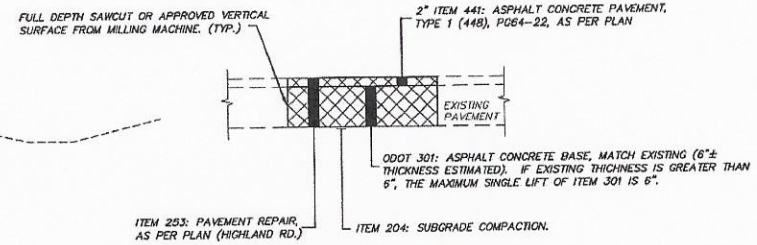
WHITE ROAD TYPICAL SECTION



ITEM 253: PAVEMENT REPAIR
(WHITE ROAD)



HIGHLAND ROAD TYPICAL SECTION



ITEM 253: PAVEMENT REPAIR
(HIGHLAND ROAD)

PROPOSED LEGEND

1. ITEM 253: PAVEMENT REPAIR, AS PER PLAN (WHITE ROAD)
2. ITEM 253: PAVEMENT REPAIR, AS PER PLAN (HIGHLAND ROAD)
3. ITEM 254: PAVEMENT PLANING, AS PER PLAN (3-1/4" DEPTH)
4. ITEM 407: TACK COAT, (0.10 GAL/SY)
5. ITEM 441: 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG.64-22, AS PER PLAN
6. ITEM 441: 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1 (448), PG.64-22, AS PER PLAN
7. ITEM SPECIAL: VOID REDUCING ASPHALT MEMBRANE

SCALE IN FEET (HORIZONTAL)
2.67 0 2.67 5.33

REVISIONS			
No.	DESCRIPTION	DATE	BY
5.1			
5.1			
4.1			
3.1			
2.1			
1.1			

STEPHEN HOVANCSEK & ASSOCIATES, INC.
CONSULTING ENGINEERS AND PLANNERS
14415 TRIPLE DRIVE
RICHMOND HEIGHTS, OHIO 44143
PH: (216) 731-8255 FAX: (216) 731-4483

MAYFIELD VILLAGE, OHIO
2019 ROAD MAINTENANCE PROGRAM
TYPICAL SECTION
WHITE ROAD AND HIGHLAND ROAD

MARCH 2019
JOB No. 18-213

G:\2018\18-213 MY 2019 ROAD MAINTENANCE PROGRAM\Dwg Set\18-213-PC-02 Typical Section.dwg 3/21/2019 8:31:50 AM EDT

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

TIME WARNER CABLE
7820 DIVISION DRIVE
MENTOR, OHIO 44060
ATTENTION: LARRY BOCK
PHONE: (440) 974-3401 EXT. 123
FAX: (440) 974-3201
E-MAIL: LARRY.BOCK@TWCABLE.COM

AT&T
13630 LORAIN AVE. 4TH FLOOR
CLEVELAND, OHIO 44111
ATTENTION: ERIC WESTERBURG
PHONE: (216) 476-6142
FAX: (216) 573-5792

CITY OF CLEVELAND DIVISION OF WATER
1201 LAKESIDE AVE.
CLEVELAND, OHIO 44114
ATTENTION: GUY SINGER
PHONE: (216) 664-2444, EXT. 5555
FAX: (216) 664-2378

CUYAHOGA COUNTY SANITARY ENGINEER
6100 WEST CANAL ROAD
VALLEY VIEW, OHIO 44125
ATTENTION: MICHAEL DEVER
PHONE: (216) 443-8205
FAX: (216) 443-8236

DOMINION EAST OHIO GAS COMPANY
320 SPRINGSIDE DRIVE
FAIRLAWN, OHIO 44333
ATTENTION: MIKE ANTONIUS
PHONE: (330) 664-2488

ILLUMINATING COMPANY
6896 MILLER ROAD
BRECKSVILLE, OHIO 44141
ATTENTION: MARK ROBINSON
PHONE: (440) 717-6845
CELL PHONE: (440) 550-9001
FAX: (440) 546-8780

CALL OHIO UTILITIES PROTECTION SERVICE
TWO (2) WORKING DAYS BEFORE YOU DIG
TOLL FREE NO. 1-800-362-2764

CALL OHIO OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE (OGPUPS)
TOLL FREE NO. 1-800-925-0988
(NON-MEMBERS MUST BE CALLED DIRECTLY)

CONTINGENCY QUANTITIES

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL SUBSIDIARY AGREEMENT GOVERNING COMPLETION OF THIS PROJECT.

ELEVATION DATUM

ELEVATIONS SHOWN ARE BASED ON CLEVELAND REGIONAL GEODETIC SURVEY (C.R.G.S.) DATA. MONUMENTS ARE DESCRIBED ON THE PLANS.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. THE INSTALLATION, AND OPERATION (INCLUDING ERECTION, MAINTENANCE AND REMOVAL) OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS, EXCEPT WHERE OTHERWISE NOTED, SHALL BE PROVIDED BY THE CONTRACTOR WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

EXISTING TYPICAL SECTIONS

EXISTING TYPICAL SECTIONS HAVE BEEN DEVELOPED FROM SITE MEASUREMENTS AND RECORD PLANS AND ARE BELIEVED TO REPRESENT THE WIDTH AND COMPOSITION OF THE EXISTING PAVEMENT, BUT THE VILLAGE DOES NOT GUARANTEE THE ACCURACY OF SAME.

ADJUSTMENTS IN CONTRACT TIME

TIME EXTENSIONS WILL ONLY BE CONSIDERED WHEN CONTROLLING ITEMS OF WORK ON THE APPROVED PROGRESS SCHEDULE ARE AFFECTED DUE TO NO FAULT OF THE CONTRACTOR.

WHEN ADDITIONAL WORK IS REQUIRED, TIME EXTENSIONS WILL ONLY BE GRANTED FOR CONTROLLING ITEMS ON THE PROGRESS SCHEDULE.

PROJECT PROGRESS MEETINGS

PROGRESS MEETINGS WILL BE HELD EVERY WEEK AT THE PROJECT OFFICE OR OTHER LOCATION DESIGNATED BY THE VILLAGE ENGINEER, AND WILL BE ATTENDED BY THE VILLAGE REPRESENTATIVES AND CONTRACTOR DECISION-MAKING PERSONNEL.

THE PURPOSE OF THESE MEETINGS IS TO DISCUSS CRITICAL OPERATIONS AND POTENTIAL PROBLEMS. ALSO, THE CONTRACTOR WILL CONFIRM THE NUMBER AND DURATION OF WORK SHIFTS, NUMBER OF WORK CREWS, AND SPECIFIC PORTIONS OF THE WORK TO BE PERFORMED DURING THE FOLLOWING WEEKS.

THESE MEETINGS CAN ONLY BE WAIVED BY THE VILLAGE SERVICE DIRECTOR OR VILLAGE ENGINEER.

CONSTRUCTION OBSERVATION

THE CONTRACTOR SHALL NOT COMMENCE WITH ANY FORM OF CONSTRUCTION WITHOUT GIVING AT LEAST FORTY-EIGHT (48) HOUR NOTICE TO THE OFFICE OF THE ENGINEER OF MAYFIELD VILLAGE, PHONE (216) 731-6255 TO ARRANGE FOR CONSTRUCTION OBSERVATION.

IF ANY CHANGE IN THE WORK SCHEDULE BECOMES NECESSARY, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE CONSTRUCTION OBSERVER OR THE VILLAGE ENGINEERS OFFICE PRIOR TO THE NORMAL STARTING TIME TO AVOID UNNECESSARY OBSERVATION COSTS.

IF NO NOTIFICATION IS MADE IN REGARDS TO CANCELLATION OF WORK, THE PRIME CONTRACTOR WILL BE CHARGED DIRECTLY FOR THE OBSERVATION TIME INCURRED WITH A MINIMUM CHARGE OF THREE (3) HOURS PER OCCURANCE.

CONSTRUCTION AND MATERIAL SPECIFICATIONS

THE STANDARD FOR ALL MATERIALS AND/OR WORKMANSHIP SHALL BE AS SPECIFIED IN THE "STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MATERIAL SPECIFICATIONS", DATED JANUARY 1, 2016, OR ANY SUBSEQUENT ISSUES THEREOF. THROUGHOUT THE PLANS THE REFERENCE TO SPECIFIC O.D.O.T. ITEM NUMBERS ARE INDICATED. WHERE REFERENCE IS MADE IN THE SPECIFICATIONS TO THE STATE OF OHIO, IT SHALL MEAN MAYFIELD VILLAGE; REFERENCE MADE TO THE DEPARTMENT SHALL MEAN THE SERVICE DEPARTMENT OF MAYFIELD VILLAGE; REFERENCE MADE TO THE DIRECTOR SHALL MEAN THE SERVICE DIRECTOR OF MAYFIELD VILLAGE; AND REFERENCE MADE TO THE ENGINEER SHALL MEAN THE VILLAGE ENGINEER OF MAYFIELD VILLAGE.

MATERIAL AND WORKMANSHIP SHALL ALSO CONFORM TO THE "UNIFORM STANDARDS FOR SEWAGE IMPROVEMENTS", RELATED GRAPHICS DETAILS OF THE "UNIFORM STANDARD SEWER DETAILS", O.D.O.T. BUREAU OF LOCATION AND DESIGN STANDARD CONSTRUCTION DRAWINGS, THE RULES AND REGULATIONS OF THE CUYAHOGA COUNTY SANITARY ENGINEERING DEPARTMENT AND THE ORDINANCES OF MAYFIELD VILLAGE. WHERE CONFLICTS OCCUR IN THE ABOVE, THE ENGINEER OF MAYFIELD VILLAGE SHALL DETERMINE THE GOVERNING AUTHORITY. ANY DEFECTS IN THE CONSTRUCTION SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE CITY ENGINEER OF MAYFIELD VILLAGE. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENSES AS NECESSARY, AND SHALL BE RESPONSIBLE FOR ALL DAMAGES TO THE EXISTING WATER AND SEWERAGE SYSTEM RESULTING FROM NON-CONFORMANCE WITH THE APPLICABLE STANDARDS, THROUGH GENERAL NEGLIGENCE, OR NOT TAKING ANY NECESSARY PRECAUTIONS. THE STANDARD FOR ALL MATERIALS AND/OR WORKMANSHIP, GENERAL PROVISIONS, MEASUREMENT AND PAYMENT SHALL FOLLOW THE ABOVE MENTIONED SOURCES UNLESS OTHERWISE STATED IN THESE NOTES, THE PLANS OR CONTRACT SPECIFICATIONS.

CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH ALL OSHA REQUIREMENTS REGARDING ENTRANCE INTO CONFINED SPACES (MANHOLES, TRENCHES, ETC.) FAILURE TO COMPLY WITH THESE REQUIREMENTS MAY RESULT IN FORFEITURE OF THE CONTRACT.

CONTRACTOR SHALL NOTE THAT THIS PROJECT IS ANTICIPATED TO BE COMPLETED IN ONE CONSTRUCTION SEASON. PRICE INCREASES FOR BID ITEMS WILL NOT BE PERMITTED.

ITEM 203: EXCAVATION AND EMBANKMENT, AS PER PLAN

ALL APPLICABLE PROVISIONS OF ODOT ITEM 203: EXCAVATION AND ITEM 203: EMBANKMENT SHALL APPLY EXCEPT AS MODIFIED HEREIN.

BASIS OF PAYMENT
THE ACCEPTED QUANTITIES OF PARTIAL DEPTH REPAIR SHALL BE PAID FOR AT THE CONTRACT LUMP SUM UNIT PRICE FOR ITEM 203: EXCAVATION AND EMBANKMENT, AS PER PLAN.

ITEM 304: AGGREGATE BASE, AS PER PLAN

ALL APPLICABLE PROVISIONS OF ODOT ITEM 304: AGGREGATE BASE SHALL APPLY EXCEPT AS MODIFIED HEREIN.

THE MATERIAL FOR THIS ITEM SHALL BE LIMITED TO LIMESTONE.

BASIS OF PAYMENT
THE ACCEPTED QUANTITIES OF AGGREGATE BASE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR ITEM 304: AGGREGATE BASE, AS PER PLAN.

ITEM 448: ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, PG. 64-22, AS PER PLAN

ALL APPLICABLE PROVISIONS OF ODOT ITEM 448: ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, PG. 64-22 SHALL APPLY EXCEPT AS MODIFIED HEREIN.

RECYCLED ASPHALT PAVEMENT (RAP) SHALL NOT BE USED IN THE SURFACE COURSE.

BASIS OF PAYMENT
THE ACCEPTED QUANTITIES OF ASPHALT CONCRETE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR ITEM 448: ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, PG. 64-22, AS PER PLAN.

ITEM 499: CONCRETE-GENERAL

499.04 PROPORTIONING OPTIONS FOR PORTLAND CEMENT CONCRETE
PROPORTIONING OPTIONS 1, 2 AND 3 ARE NOT PERMITTED ON THIS PROJECT.

ITEM 611: CASTINGS ADJUSTED TO GRADE, AS PER PLAN

ALL APPLICABLE PROVISIONS OF ODOT ITEM 611: SHALL APPLY EXCEPT AS MODIFIED HEREIN.

THIS ITEM SHALL COVER ALL WATER VALVE BOXES, GAS VALVE BOXES OR OTHER CASTINGS NOT COVERED UNDER OTHER SEPERATE PAY ITEMS.

BASIS OF PAYMENT
THE ACCEPTED QUANTITIES OF CASTING ADJUSTED TO GRADE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR ITEM 611: CASTING ADJUSTED TO GRADE, AS PER PLAN.

ITEM 611: MONUMENT BOX, ADJUSTED TO GRADE, AS PER PLAN

ALL APPLICABLE PROVISIONS OF ODOT ITEM 611: SHALL APPLY EXCEPT AS MODIFIED HEREIN.

AFTER THE MONUMENT IS REFERENCED, THE CONTRACTOR MAY REMOVE THE SURROUNDING PAVEMENT BUT SHALL PROTECT THE EXISTING IRON PIN LOCATED INSIDE THE REMOVED MONUMENT BOX.

BASIS OF PAYMENT
THE ACCEPTED QUANTITIES OF MONUMENT BOX ADJUSTED TO GRADE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR ITEM 611: MONUMENT BOX, ADJUSTED TO GRADE, AS PER PLAN.

STATE OF OHIO
THOMAS CAPPELLO
NO. 55468
REGISTERED
PROFESSIONAL ENGINEER

REVISIONS		
NO.	DESCRIPTION	DATE
1		
2		
3		
4		
5		
6		

STEPHEN HOVANCSEK & ASSOCIATES, INC.
CONSULTING ENGINEERS AND PLANNERS
TWO MERIT DRIVE
RICHMOND HEIGHTS, OHIO 44143
PH: (216) 731-9255 FAX: (216) 731-4483

MAYFIELD VILLAGE, OHIO
2019 ROAD MAINTENANCE PROGRAM
GENERAL NOTES

MARCH 2019
JOB No. 18-213

G:\2018\18-213 MV 2019 ROAD MAINTENANCE PROGRAM\Dwg Set\18-213-PC-03 General Notes.dwg 3/21/2019 8:07:12 AM EDT

ITEM 614: MAINTAINING TRAFFIC AS PER PLAN
ITEM 614: MAINTAINING TRAFFIC AS PER PLAN (WILSON MILLS ROAD)

ALL APPLICABLE PROVISIONS OF ODOT ITEM 614: SHALL APPLY EXCEPT AS MODIFIED HEREIN.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY SAFEGUARDS SUCH AS BARRICADES, SATISFACTORY BARRIERS, FLAGMEN, SIGNS, AND SUCH OTHER TRAFFIC CONTROL DEVICES AS PROVIDED IN "ITEM 614 – MAINTAINING TRAFFIC" SO AS TO AVOID DAMAGE AND/OR INJURY TO VEHICLES AND PERSONS USING THE ROADWAY DURING CONSTRUCTION. ALL AREAS OF PAVEMENT REMOVAL WHICH HAVE NOT BEEN FULLY RESTORED SHALL BE PROTECTED WITH CONES OR DRUMS DURING DAYLIGHT HOURS. THESE AREAS SHALL BE PROTECTED WITH BARRICADES OR DRUMS WITH REFLECTIVE STRIPPING AT NIGHT.

ONE LANE OF TRAFFIC FOR LOCAL TRAFFIC AND ACCESS FOR EMERGENCY VEHICLES (FIRE, POLICE, MAIL, ETC.) IN THE CONSTRUCTION ZONE SHALL BE MAINTAINED AT ALL TIMES. SIGNAGE SHALL BE POSTED AT THE INTERSECTIONS INDICATING CONSTRUCTION WORK WITH TRAFFIC BEING MAINTAINED. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AS TO THE PROPOSED WORK WITH A MINIMUM OF HAZARD AND INCONVENIENCE TO THE MOTORISTS USING THE STREETS AFFECTED BY THE WORK DONE UNDER THIS CONTRACT.

PAYMENT FOR LABOR, MATERIAL, AND EQUIPMENT REQUIRED FOR CONSTRUCTION, MAINTENANCE AND SUBSEQUENT REMOVAL OF APPROACHES, BYPASSES, CROSSOVERS, BARRICADES, LIGHTS, SIGNS, AND SIGN SUPPORTS, SHALL BE INCLUDED IN THE LUMP SUM BID FOR MAINTAINING TRAFFIC.
IMU
CONTRACTOR SHALL NOTIFY ANY RESIDENT A MINIMUM OF TWENTY FOUR (24) HOURS IN ADVANCE OF BLOCKING OR PREVENTING ACCESS TO THEIR DRIVES. ALL EFFORTS SHALL BE MADE TO MAINTAIN DRIVE ACCESS AT ALL TIMES.

BASIS OF PAYMENT
THE ACCEPTED QUANTITIES OF MAINTAING TRAFFIC SHALL BE PAID FOR AT THE CONTRACT LUMP SUM UNIT PRICE FOR ITEM 614: MAINTAINING TRAFFIC, AS PER PLAN AND ITEM 614: MAINTAINING TRAFFIC, AS PER PLAN (WILSON MILLS ROAD).

ITEM 624: MOBILIZATION

ALL APPLICABLE PROVISIONS OF ODOT ITEM 624: SHALL APPLY EXCEPT AS MODIFIED HEREIN.

BASIS OF PAYMENT
THE ACCEPTED QUANTITIES OF MOBILIZATION SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR ITEM 624: MOBILIZATION.

ITEM 642: TRAFFIC PAINT, AS PER PLAN

ALL APPLICABLE PROVISIONS OF ODOT ITEM 642: TRAFFIC PAINT, AS PER PLAN SHALL APPLY EXCEPT AS MODIFIED AS FOLLOWS:

THIS ITEM INCLUDES ALL OF THE REQUIRED PAVEMENT MARKING AS SHOWN ON THE PLAN INCLUDING BUT NOT LIMITED TO LANE LINE, CENTER LINE, CHANNELIZING LINE, STOP LINE, TRANSVERSE/DIANGONAL LINE, LANE ARROW AND WORD(S) ON PAVEMENT.

CONTRACTOR SHALL CONTACT THE VILLAGE OF MIDDLEFIELD SERVICE DIRECTOR AND ENGINEER PRIOR TO THE LAYOUT OF THE PAVEMENT MARKINGS. MODIFICATIONS TO THE STOP BAR LOCATIONS AND LANE WIDTHS MAYBE NEEDED TO BE MODIFIED BY THE VILLAGE AT NO ADDITIONAL COST TO THIS BID ITEM.

TRAFFIC PAINT SHALL CONFORM TO 740.02, TYPE 1, FAST DRY, WATER-BASE, 100 PERCENT ACRYLIC TYPE.

PAYMENT WILL BE MADE UNDER ITEM 642: TRAFFIC PAINT, AS PER PLAN AND SHALL BE ON A LUMP SUM BASIS, COMPLETE IN PLACE IF SEPARATE BID ITEMS ARE NOT PROVIDED; THE PRICE SHALL CONSTITUTE FULL COMPENSATION FOR FURNISHING ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO COMPLETE THIS ITEM AS LISTED ABOVE.

ITEM SPECIAL: PRE-CONSTRUCTION VIDEO

REFER TO BID PROPOSAL BOOK FOR DETAILED SPECIFICATIONS.

ITEM SPECIAL: SITE RESTORATION, AS PER PLAN

THIS ITEM SHALL CONFORM TO ODOT ITEM 659: SEEDING AND MULCHING AND SHALL CONSIST OF REPAIRING ALL DISTURBED GRASS AREAS BY PLACING TOP SOIL, SEED AND MULCH. TOPSOIL SHALL BE A MINIMUM OF 2" THICK.

BASIS OF PAYMENT
THE ACCEPTED QUANTITIES SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR ITEM SPECIAL: SITE RESTORATION, AS PER PLAN.

VOID REDUCING ASPHALT MEMBRANE GUIDELINE

Description.

This specification covers the requirements and practices for applying a void reducing asphalt membrane (VRAM) underneath the longitudinal construction joint of a course of a hot-mix asphalt (HMA) pavement. The VRAM shall be applied beneath the intended area of the HMA pavement longitudinal construction joint prior to the installation of the HMA course. This work shall be done according to the Standard Specifications except as modified herein.

Materials.

The bituminous material used for the VRAM shall meet the requirements of the following table. Elastomers shall be added to a base asphalt and shall be either a styrene-butadiene diblock or triblock copolymer without oil extension, or a styrene-butadiene rubber. Air blown asphalt, acid modification and other modifiers will not be allowed. In addition to the following table, the VRAM shall be suitable for construction traffic to drive on within 30 minutes of placement without pickup or tracking.

TEST	TEST REQUIREMENT	TEST METHOD
Dynamic shear @ 88°C (unaged), G*/sin δ, kPa	1.00 min.	AASHTO T 315
Creep stiffness @ -18°C (unaged) Stiffness (S), MPa m-value	 300 max. 0.300 min.	AASHTO T 313
Ash, %	1.0 - 4.0	AASHTO T 111
Elastic Recovery, 100 mm elongation, cut immed., 25°C, %	70 min.	ASTM D6084 method A
Separation of Polymer, difference in ring and ball, °C	3 max.	ASTM D7173

Equipment.

A pressure distributor shall be provided that is capable of applying the VRAM at the desired application rate. The distributor shall be equipped with a heating and recirculating system along with a functioning auger agitating system or vertical shaft mixer in the hauling tank to prevent localized overheating.

The contractor may use a melter kettle for transporting and/or application of the material. The melter kettle shall be of an oil jacketed double-boiler type with agitating and recirculating systems. Material from the kettle may be dispensed through a pressure feed wand with an applicator shoe. Material from the kettle may also be dispensed through a pressure feed wand into a thermal cart similar to a walk behind thermoplastic paint applicator.

VRAM in the form of pre-formed rollout banding may be used to patch areas where rate check sampling has occurred.

Construction.

Prior to the application of the VRAM, ensure the area of the intended longitudinal asphalt pavement joint is thoroughly cleaned and free of debris. The area may be cleaned by sweeper/vacuum truck, power broom, air compressor or hand to the satisfaction of the Engineer. Ensure the existing surface is dry and free of moisture.

The center of the VRAM application width shall be within 2" of the project established centerline or established lane edge. A stringline or paint mark shall be used as a guide for application in order to maintain a uniform edge alignment; if any other method is proposed; it shall meet the approval of the Engineer before being used

The VRAM shall be applied to the existing surface prior to or following any or all tack coat applications. Tack coat may be placed over the VRAM at the Engineer's discretion. Should the tack coat application supercede placement of the VRAM, the tack coat shall be fully cured.

The VRAM, meeting the requirements specified herein, shall be applied to the existing surface at the width and minimum application rate as specified in the following table:

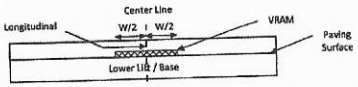
VRAM Application Table[1/]		
Overlay Thickness[2/], in	VRAM Width, in.	Application Rate, lb/ft
HMA Mixtures[3/]		
1	18	1.15
1 ¼	18	1.31
1 ½	18	1.47
1 ¾	18	1.63
2	18	1.80
SMA Mixtures		
1 ½	12	0.83
1 ¾	12	0.92
2	12	1.00

Notes.

1/ Each application rate has a surface demand for liquid included in it. Therefore, taking a given rate and trying to factor it up to a different thickness will over predict the required amount of VRAM.

2/ For other overlay thicknesses, VRAM application rates can be determined as needed.

3/ In the event of a joint between an SMA and an HMA mixture, the SMA application rate will be used.



The VRAM shall be applied in a single pass placed by any application method listed in the Equipment section. VRAM application temperature shall not exceed 330°F.

The VRAM shall be applied at a width of not less or greater than 1.5" of the width specified in the plans. If the VRAM flows more than 2" from the initial placement width, placement of the VRAM will stop and remedial action shall be taken subject to the Engineer's approval.

The VRAM shall be suitable for construction traffic to drive on without pick up or tracking of the VRAM within 30 minutes of placement. If pick up or tracking occurs; placement of the VRAM will stop and remedial action shall be taken subject to the Engineer's approval.

To prevent overlapping of starts and stops or sampling for measurement of VRAM, suitable release paper or other means shall be placed over the previous applied VRAM.

Ensure the existing surface and ambient temperatures are minimum 40°F and rising during application of the VRAM.

Prior to start of paving of a pavement course, ensure the paver end plate and grade control device is adequately raised above the finished height of the VRAM.

The area 1.0 ft on either side of the longitudinal joint will be excluded from density measurement and pay adjustment.

The Agency will require a random sample of VRAM. One sample set comprised of two (2) one gallon metal containers will be taken from a random haul tanker for every 25,000 gallon of material used on the project. Samples will be forwarded to the Agency for testing.

For projects requiring less than 25,000 gallon of VRAM, one sample set comprised of two (2) one gallon metal containers shall be taken by random sampling and forwarded to the Agency.

Acceptance.

Provide a Bill of Lading to the Engineer for every tanker supplying material to the project.

The application rate of VRAM will be checked within the first 1,000 linear feet of the day's application length and every 12,000 lineal feet the remainder of the day. For projects less than 3,000 feet, the rate will be checked once. The rate will be checked by weight per foot. A suitable paper or pan shall be placed at a random location in the path of the placement for the VRAM. After application of the VRAM, the paper or pan shall be picked up and weighed. The weight per foot will be calculated. The tolerance for the Plan target weight per foot from the VRAM Application Rate Table shall be ± 15%. The contractor shall be responsible for replacing the VRAM in the area where the application rate was checked.

Measurement.

The Agency will measure the quantity of VRAM in linear feet.

Revision date: 11/30/17

STATE OF OHIO
THOMAS CHRYSLER
NO. 55466
REGISTERED PROFESSIONAL ENGINEER

REVISIONS			
No.	DESCRIPTION	Date	BY
5			
4			
3			
2			
1			

STEPHEN HOVANCSEK & ASSOCIATES, INC.
CONSULTING ENGINEERS AND PLANNERS
TWO MERIT DRIVE
RICHMOND HEIGHTS, OHIO 44143
PH: (216) 731-6225 FAX: (216) 731-4483

MAYFIELD VILLAGE, OHIO
2019 ROAD MAINTENANCE PROGRAM
GENERAL NOTES

MARCH 2019
JOB No. 18-213

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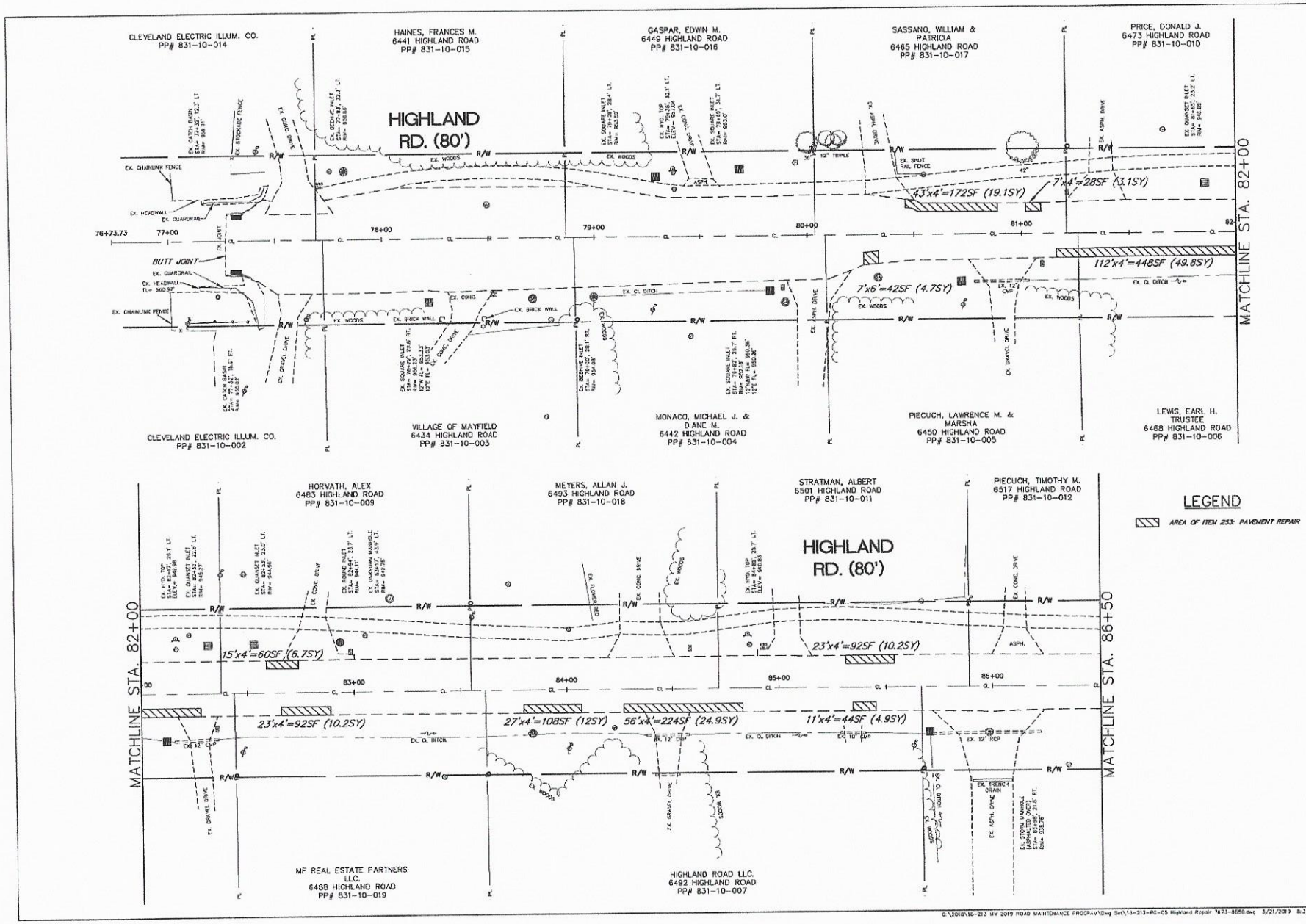
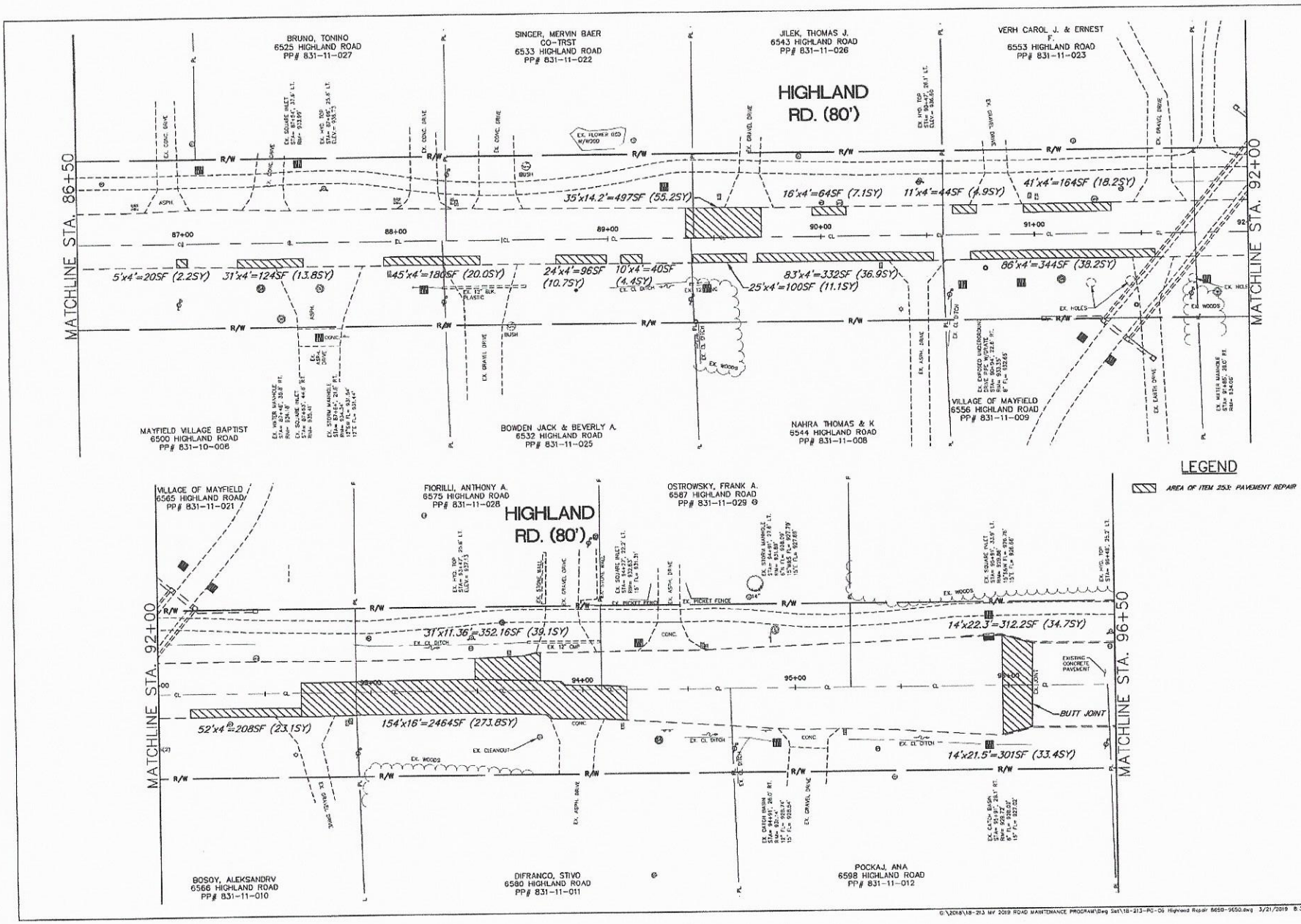
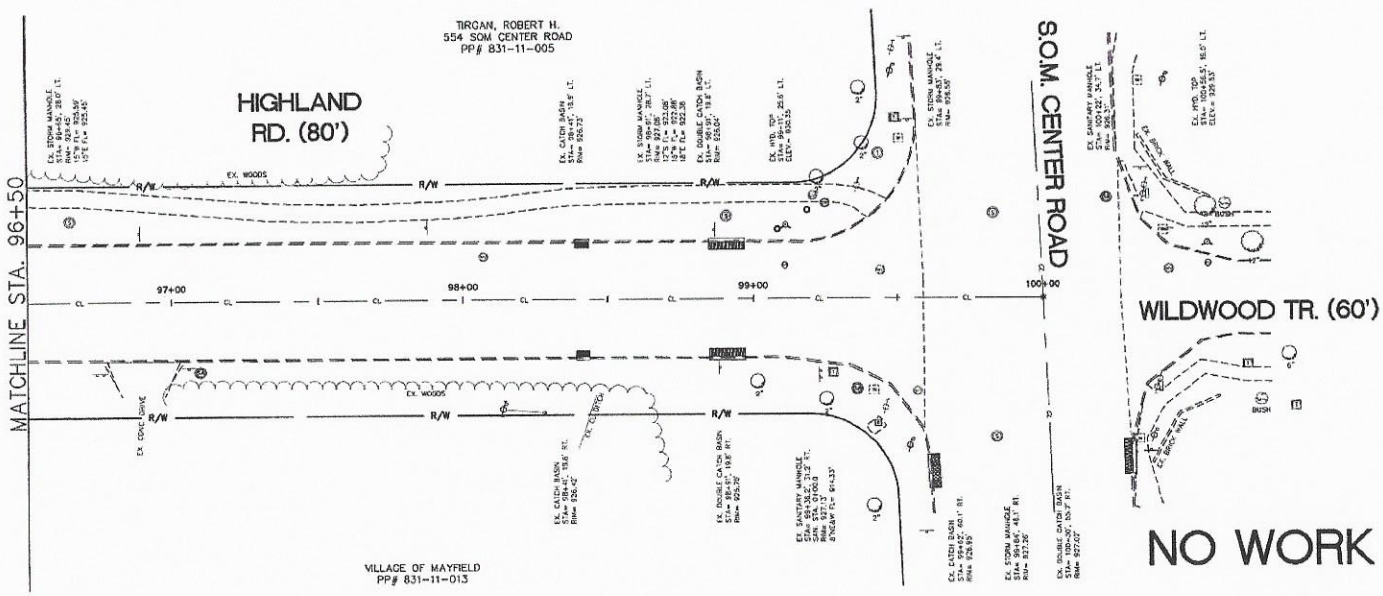


ORDINANCE NO. 2019-39
"Exhibit A"
Page 8 of 18



ORDINANCE NO. 2019-39
"Exhibit A"
Page 9 of 18



NO WORK THIS SHEET

LEGEND

AREA OF ITEM 253: PAVEMENT REPAIR

NORTH

SCALE IN FEET (HORIZONTAL)

STATE OF OHIO
THOMAS CAPPELLO
NO. 35466
REGISTERED
PROFESSIONAL ENGINEER

REVISIONS

No.	DESCRIPTION	DATE	BY
6.1			
5.1			
4.1			
3.1			
2.1			
1.1			

STEPHEN HOVANCSEK & ASSOCIATES, INC.
CONSULTING ENGINEERS AND PLANNERS
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MAYFIELD VILLAGE, OHIO
2019 ROAD MAINTENANCE PROGRAM
HIGHLAND ROAD
PAVEMENT REPAIR
STATION 96+50 TO STATION 100+00

MARCH 2019
JOB No. 18-213

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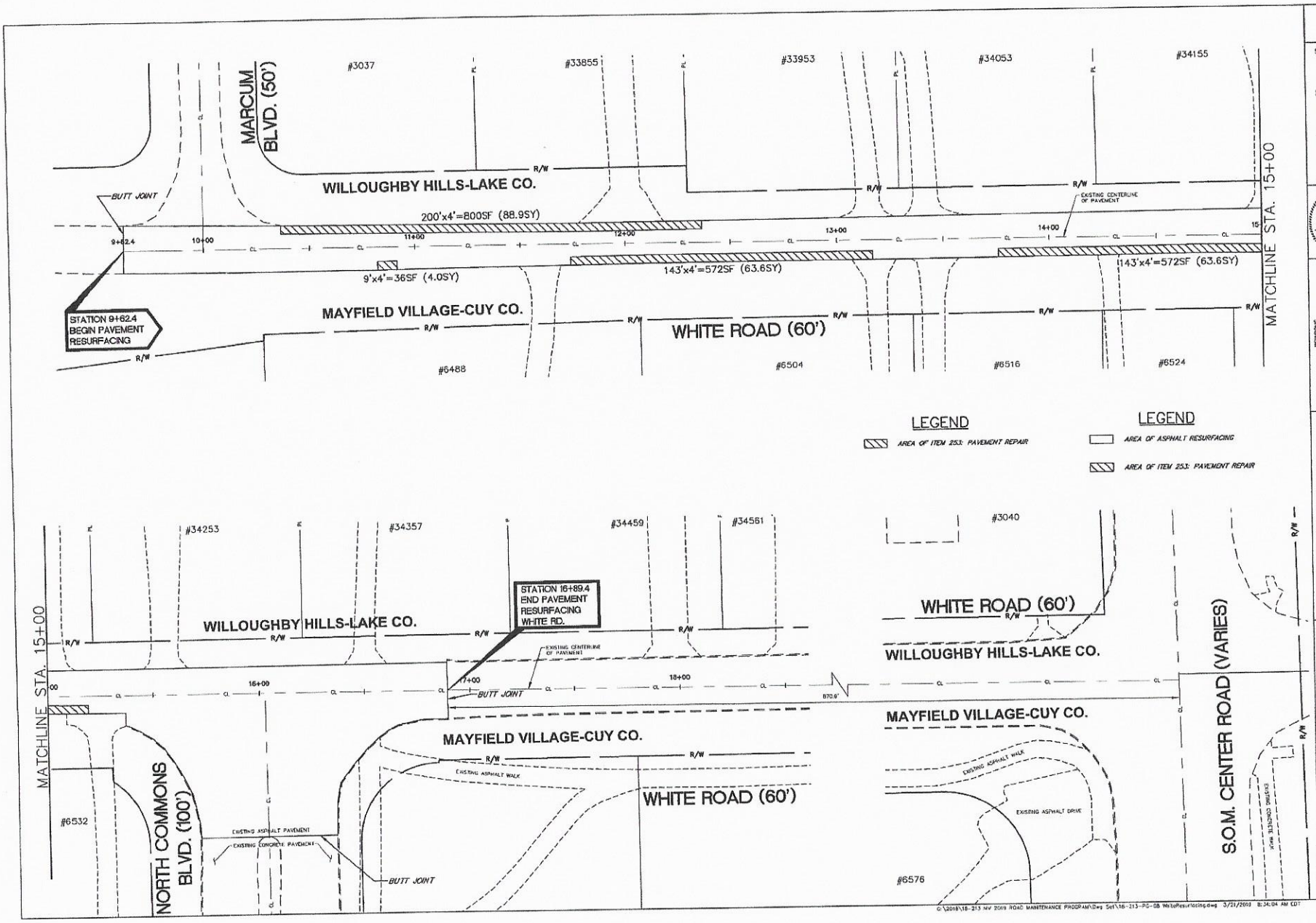
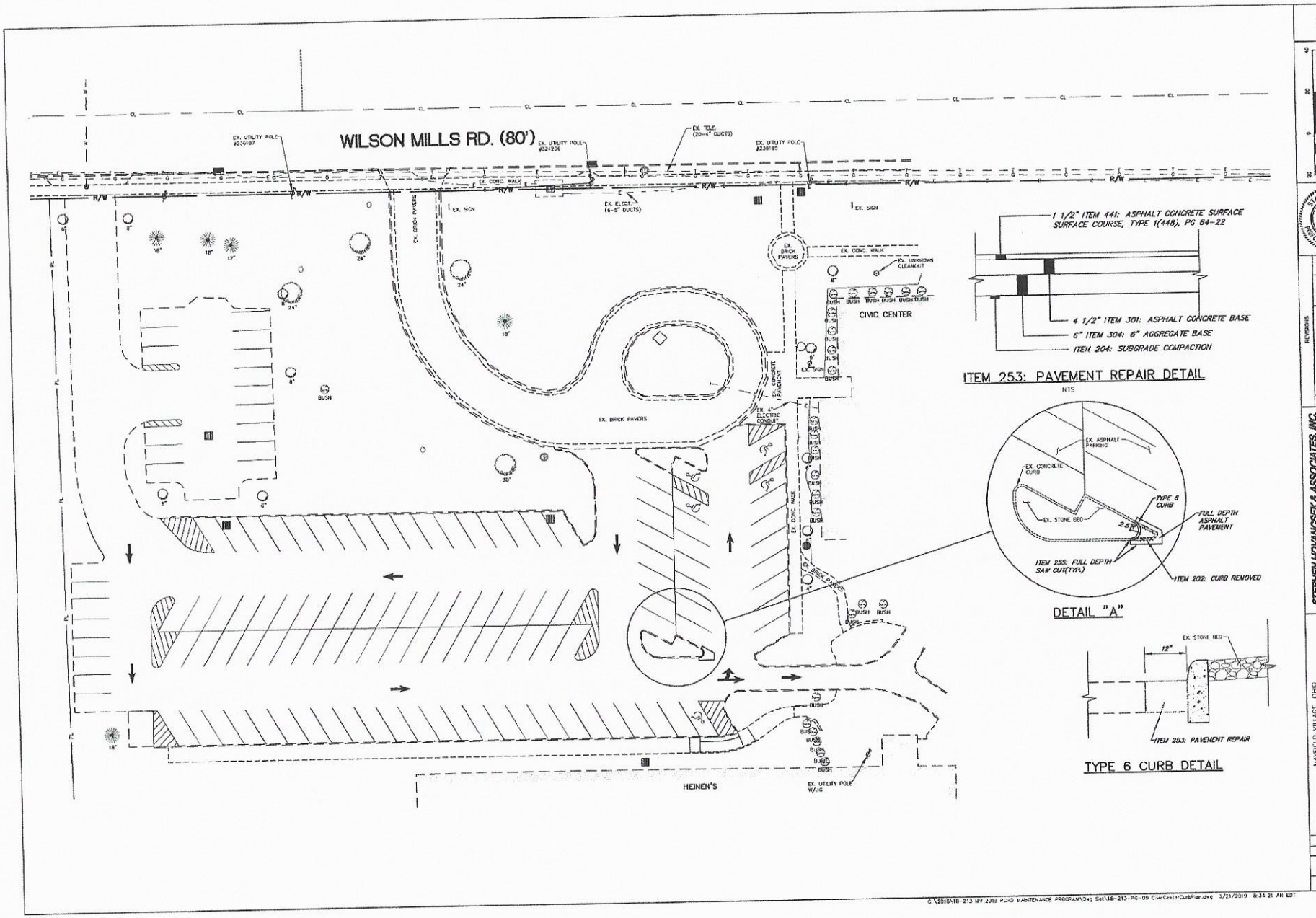
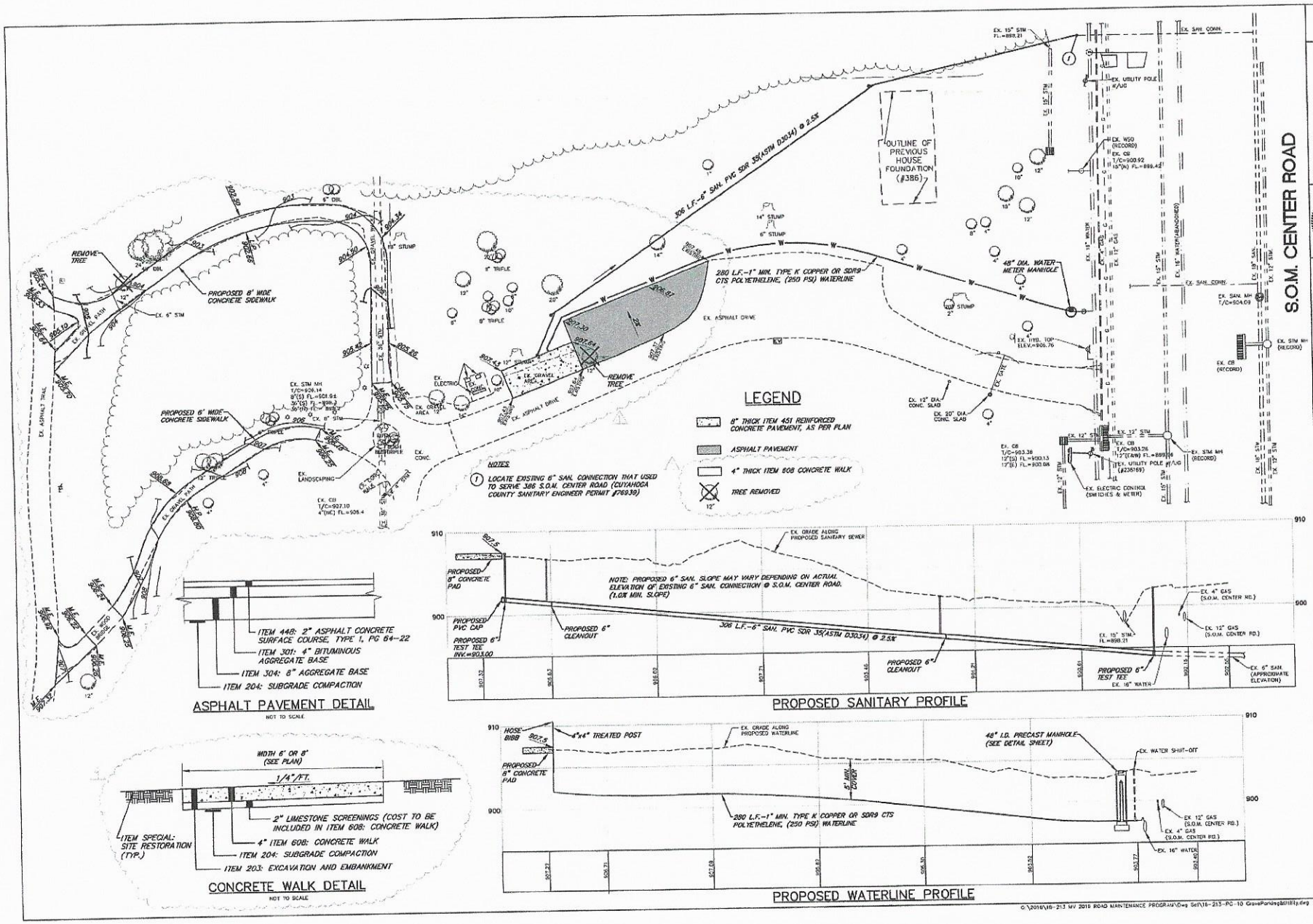


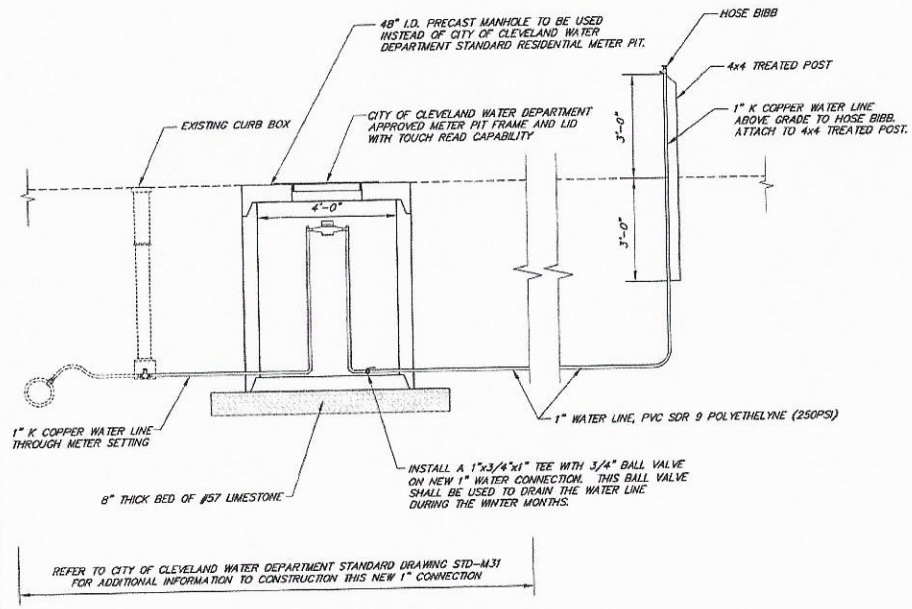
ORDINANCE NO. 2019-39
"Exhibit A"
Page 11 of 18



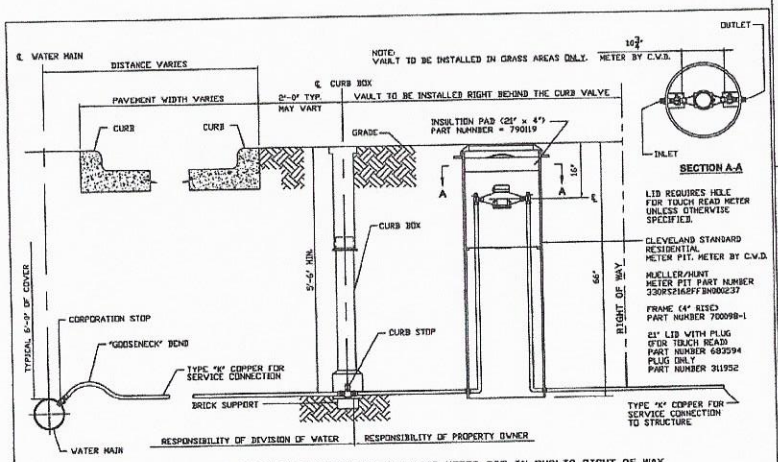
ORDINANCE NO. 2019-39
"Exhibit A"
Page 12 of 18



ORDINANCE NO. 2019-39
"Exhibit A"
Page 13 of 18



WATER METER MANHOLE DETAIL



NEW 1" SERVICE CONNECTION WITH CLEVELAND STANDARD METER PIT IN PUBLIC RIGHT OF WAY

- NOT TO SCALE -

STD-M31

DATE: 10-12-2007 BY: RSK

STEPHEN HOVANCSEK & ASSOCIATES, INC.
CONSULTING ENGINEERS AND PLANNERS
TWO MERIT DRIVE
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MAYFIELD VILLAGE, OHIO
2019 ROAD MAINTENANCE PROGRAM
DETAILS

MARCH 2019
JOB No. 18-213

11 OF 12

REVISIONS

No.	DESCRIPTION	DATE	BY
6.1			
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3.1			
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STATE OF OHIO
THOMAS CAPPELLO
NO. 55466
REGISTERED PROFESSIONAL ENGINEER

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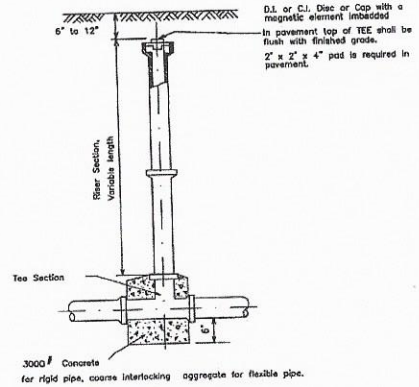


6" X 6" TEST TEE & 6" RISER FOR STORM AND SANITARY SEWERS.

NOTES:

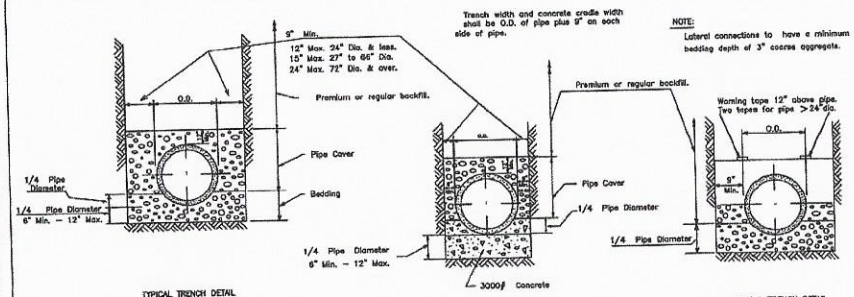
The test tee riser section shall be installed when the connection is extended to the building.
Risers shall be furnished with stoppers upon which shall be placed a cast or ductile iron disc.
Cast or ductile iron disc shall be painted yellow on sanitary sewers.
Concrete encasement for Test Tees is required if ground cover to "T" elevation is less than 3' – 0". If greater than 3' – 0" use coarse interlocking aggregates.

TEST TEE

REVISIONS: | SCALE NO SCALE | DATE : DEC. 1998

UNIFORM STANDARDS: CLEVELAND --- CUYAHOGA COUNTY --- NORTHEAST OHIO REGIONAL SEWER DISTRICT

Sheet No. 1/27



TYPICAL TRENCH DETAIL (FLEXIBLE PIPE)

TYPICAL TRENCH DETAIL WITH CONCRETE CRADLE

TYPICAL TRENCH DETAIL FOR CONCRETE OR DUCTILE IRON PIPE

NOTE:

Lateral connections to have a minimum bedding depth of 3" coarse aggregate.

Pipe Cover shall consist of coarse interlocking aggregate no. 57,6,67,68,7,78,ord.

Bedding shall consist of coarse interlocking aggregate no.57,6,67, 68, 7, 78, or 8 for 60" or smaller diameter pipe. For 66" or larger diameter pipe no. 4 aggregate may also be used.

Premium Backfill shall consist of coarse interlocking aggregate no. 57,6,67,68,7,78,8,304, also limestone screenings.

For concrete and ductile iron pipe, pipe cover is to the springline or greater.

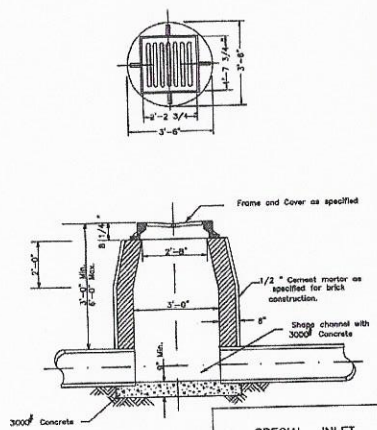
In paved areas coarse interlocking aggregate to the top of the trench on all types of pipe.

TYPICAL TRENCH DETAILS

REVISIONS: | SCALE NO SCALE | DATE : DEC. 1998

UNIFORM STANDARDS: CLEVELAND --- CUYAHOGA COUNTY --- NORTHEAST OHIO REGIONAL SEWER DISTRICT

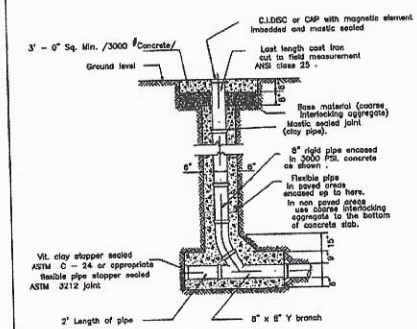
Sheet No. 1/27



SPECIAL INLET

NOTE:

8" Clean out shall be used for 6" sewer and larger
Smaller size sewers and lamp holes shall have same size pipe.



CLEANOUT

REVISIONS: | SCALE NO SCALE | DATE : DEC. 1998

UNIFORM STANDARDS: CLEVELAND --- CUYAHOGA COUNTY --- NORTHEAST OHIO REGIONAL SEWER DISTRICT

Sheet No. 1/27

STATE OF OHIO THOMAS CAPPELLO NO. 55468 PROFESSIONAL ENGINEER

REVISIONS							
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NO.						DATE	BY
	DESCRIPTION						

STEPHEN HOVANCSEK & ASSOCIATES, INC.
CONSULTING ENGINEERS AND PLANNERS
TWO MERIT DRIVE
RICHMOND HEIGHTS, OHIO 44143
PH: (216) 731-0255 FAX: (216) 731-4853

MANSFIELD VILLAGE, OHIO

2019 ROAD MAINTENANCE PROGRAM

DETAILS

MARCH 2019

JOB No. 18-213

12 OF 12

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ORDINANCE NO. 2019-39
"Exhibit A"
Page 15 of 18

MAYFIELD VILLAGE, OHIO
(2019 ROAD MAINTENANCE PROGRAM)
Bid Tabulation (April 19, 2019)

BIDDERS					CHAGRIN VALLEY PAVING, INC. 17290 MUNN ROAD CHAGRIN FALLS, OHIO 44023 (440) 543-2253 (440) 543-2281 (FAX)				SPECIALIZED CONSTRUCTION, INC. 711 HARVARD AVENUE CUYAHOGA HEIGHTS, OHIO 44105 (216) 271-3363 (216) 271-5310 (FAX)			
#		DESCRIPTION	QNTY.	UNIT	LABOR COST	MATERIAL COST	UNIT PRICE	TOTAL	LABOR COST	MATERIAL COST	UNIT PRICE	TOTAL
		CIVIC CENTER PARKING LOT										
1	ITEM 202:	CURB REMOVED	14	FOOT	$50.00	$0.00	$50.00	$700.00	$10.00	$5.00	$15.00	$210.00
2	ITEM 253:	PAVEMENT REPAIR, AS PER PLAN (CIVIC CENTER TYPICAL SECTION)	3.5	SY	$250.00	$250.00	$500.00	$1,750.00	$800.00	$400.00	$1,200.00	$4,200.00
3	ITEM 609::	CURB, TYPE 6	7	FOOT	$75.00	$75.00	$150.00	$1,050.00	$30.00	$20.00	$50.00	$350.00
4	ITEM 624:	MOBILIZATION	LUMP	LUMP	$2,500.00	$0.00	$2,500.00	$2,500.00	$2,000.00	$500.00	$2,500.00	$2,500.00
		GROVE IMPROVEMENTS										
5	ITEM 201:	TREE REMOVED	2	EACH	$1,250.00	$0.00	$1,250.00	$2,500.00	$300.00	$50.00	$350.00	$700.00
6	ITEM 203:	EXCAVATION AND EMBANKMENT	LUMP	LUMP	$8,000.00	$0.00	$8,000.00	$8,000.00	$4,000.00	$2,500.00	$6,500.00	$6,500.00
7	ITEM 204:	SUBGRADE COMPACTION	578	SY	$1.00	$0.00	$1.00	$578.00	$1.00	$1.00	$2.00	$1,156.00
8	ITEM 301:	ASPHALT CONCRETE BASE (4" THICK)	20	CY	$60.00	$150.00	$210.00	$4,200.00	$180.00	$120.00	$300.00	$6,000.00
9	ITEM 304:	AGGREGATE BASE	50	CY	$20.00	$70.00	$90.00	$4,500.00	$30.00	$45.00	$75.00	$3,750.00
10	ITEM 441:	2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG 64-22, AS PER PLAN	10	CY	$85.00	$200.00	$285.00	$2,850.00	$175.00	$225.00	$400.00	$4,000.00
11	ITEM 451:	8" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, AS PER PLAN	57	SY	$25.00	$100.00	$125.00	$7,125.00	$40.00	$60.00	$100.00	$5,700.00
12	ITEM 608:	4" CONCRETE WALK	3091	SF	$5.00	$5.00	$10.00	$30,910.00	$3.00	$3.75	$6.75	$20,864.25
13	ITEM 611:	6" SANITARY SEWER CONNECTION, 707.45	306	FOOT	$24.00	$24.00	$48.00	$14,688.00	$30.00	$52.00	$82.00	$25,092.00
14	ITEM 611:	6" TEST TEE	2	EACH	$75.00	$100.00	$175.00	$350.00	$500.00	$765.00	$1,265.00	$2,530.00
15	ITEM 611:	6" CLEAN OUT	1	EACH	$75.00	$100.00	$175.00	$175.00	$350.00	$450.00	$800.00	$800.00
16	ITEM 623:	CONSTRUCTION LAYOUT STAKES AND SURVEYING	LUMP	LUMP	$5,000.00	$0.00	$5,000.00	$5,000.00	$1,000.00	$500.00	$1,500.00	$1,500.00
17	ITEM 624:	MOBILIZATION	LUMP	LUMP	$7,500.00	$0.00	$7,500.00	$7,500.00	$5,000.00	$2,000.00	$7,000.00	$7,000.00
18	ITEM 638:	1" WATER LINE INCLUDING TAPPING EXISTING WATER MAIN, CORPORATION STOP, CURB STOP WITH SERVICE BOX AND DRAIN VALVE, COMPLETE	280	FOOT	$10.00	$17.00	$27.00	$7,560.00	$55.00	$30.00	$85.00	$23,800.00
19	ITEM 638:	WATER METER MANHOLE AS PER PLAN	1	EACH	$1,750.00	$1,750.00	$3,500.00	$3,500.00	$4,000.00	$500.00	$4,500.00	$4,500.00
20	ITEM 638:	ABOVE GRADE HOSE BIB INCLUDING 4x4 TREATED POST	1	EACH	$155.00	$1,000.00	$1,155.00	$1,155.00	$1,000.00	$500.00	$1,500.00	$1,500.00
21	ITEM SPECIAL:	SITE RESTORATION, AS PER PLAN	LUMP	LUMP	$5,000.00	$5,000.00	$10,000.00	$10,000.00	$3,500.00	$1,000.00	$4,500.00	$4,500.00
22	ITEM SPECIAL:	PERMIT AND INSPECTION FEE ALLOWANCE FOR SANITARY AND WATER CONNECTIONS	LUMP	LUMP	$10,000.00	$0.00	$10,000.00	$10,000.00	$7,500.00	$0.00	$7,500.00	$7,500.00
		HIGHLAND ROAD										
23	ITEM 253:	PAVEMENT REPAIR, AS PER PLAN (HIGHLAND ROAD TYPICAL SECTION)	800	SY	$9.00	$50.00	$59.00	$47,200.00	$20.00	$12.00	$32.00	$25,600.00
24	ITEM 614:	MAINTAINANCE TRAFFIC	LUMP	LUMP	$4,000.00	$0.00	$4,000.00	$4,000.00	$6,000.00	$1,000.00	$7,000.00	$7,000.00
25	ITEM 624:	MOBILIZATION	LUMP	LUMP	$2,700.00	$0.00	$2,700.00	$2,700.00	$6,000.00	$1,000.00	$7,000.00	$7,000.00
26	ITEM 642:	TRAFFIC PAINT, AS PER PLAN	LUMP	LUMP	$500.00	$500.00	$1,000.00	$1,000.00	$2,000.00	$1,000.00	$3,000.00	$3,000.00
		WHITE ROAD										
27	ITEM 253:	PAVEMENT REPAIR, AS PER PLAN (WHITE ROAD TYPICAL SECTION)	250	SY	$12.00	$40.00	$52.00	$13,000.00	$25.00	$15.00	$40.00	$10,000.00
28	ITEM 254:	PAVEMENT PLANING, ASPHALT CONCRETE	2275	SY	$4.25	$0.00	$4.25	$9,668.75	$6.00	$3.00	$9.00	$20,475.00
29	ITEM 407:	TACK COAT (0.10 GAL./SY)	228	GAL	$1.00	$1.00	$2.00	$456.00	$1.00	$1.00	$2.00	$456.00

MAYFIELD VILLAGE, OHIO
(2019 ROAD MAINTENANCE PROGRAM)
Bid Tabulation (April 19, 2019)

BIDDERS				CHAGRIN VALLEY PAVING, INC. 17290 MUNN ROAD CHAGRIN FALLS, OHIO 44023 (440) 543-2253 (440) 543-2281 (FAX)				SPECIALIZED CONSTRUCTION, INC. 711 HARVARD AVENUE CUYAHOGA HEIGHTS, OHIO 44105 (216) 271-3363 (216) 271-5310 (FAX)			
#	DESCRIPTION	QNTY.	UNIT	LABOR COST	MATERIAL COST	UNIT PRICE	TOTAL	LABOR COST	MATERIAL COST	UNIT PRICE	TOTAL
30	ITEM 441: 1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448), PG64-22, AS PER PLAN	114	CY	$10.00	$130.00	$140.00	$15,960.00	$45.00	$145.00	$190.00	$21,660.00
31	ITEM 441: 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG64-22, AS PER PLAN	98	CY	$15.00	$160.00	$175.00	$17,150.00	$40.00	$160.00	$200.00	$19,600.00
32	ITEM 614: MAINTAINANCE TRAFFIC	LUMP	LUMP	$5,000.00	$0.00	$5,000.00	$5,000.00	$6,500.00	$1,000.00	$7,500.00	$7,500.00
33	ITEM 624: MOBILIZATION	LUMP	LUMP	$5,000.00	$0.00	$5,000.00	$5,000.00	$6,500.00	$1,000.00	$7,500.00	$7,500.00
34	ITEM 642: TRAFFIC PAINT, AS PER PLAN	LUMP	LUMP	$500.00	$2,000.00	$2,500.00	$2,500.00	$2,000.00	$1,000.00	$3,000.00	$3,000.00
35	ITEM SPECIAL: VOID REDUCING ASPHALT MEMBRANE	800	FOOT	$1.00	$2.18	$3.18	$2,544.00	$2.00	$1.20	$3.20	$2,560.00
	GENERAL										
36	ITEM SPECIAL: PRECONSTRUCTION VIDEO	LUMP	LUMP	$750.00	$0.00	$750.00	$750.00	$600.00	$396.75	$996.75	$996.75
37	ITEM SPECIAL: DISCRETIONARY ALLOWANCE TO BE UTILIZED AS DIRECTED BY THE ENGINEER FOR UNSCHEDULED WORK ITEMS NOT INCLUDED IN THIS PROPOSAL OR SHOWN ON THE PLANS	LUMP	LUMP			$25,000.00	$25,000.00			$25,000.00	$25,000.00
							$278,519.75				$296,000.00

MAYFIELD VILLAGE, OHIO
(2019 ROAD MAINTENANCE PROGRAM)
Bid Tabulation (April 19, 2019)

BIDDERS					CHAGRIN VALLEY PAVING, INC. 17290 MUNN ROAD CHAGRIN FALLS, OHIO 44023 (440) 543-2253 (440) 543-2281 (FAX)				CITY OF WILLOUGHBY HILLS PORTION					
#		DESCRIPTION	QNTY.	UNIT	LABOR COST	MATERIAL COST	UNIT PRICE	TOTAL	QNTY.	UNIT	LABOR COST	MATERIAL COST	UNIT PRICE	TOTAL
		WHITE ROAD												
27	ITEM 253:	PAVEMENT REPAIR, AS PER PLAN (WHITE ROAD TYPICAL SECTION)	250	SY	$12.00	$40.00	$52.00	$13,000.00	89	SY	$12.00	$40.00	$52.00	$4,628.00
28	ITEM 254:	PAVEMENT PLANING, ASPHALT CONCRETE	2275	SY	$4.25	$0.00	$4.25	$9,668.75	925	SY	$4.25	$0.00	$4.25	$3,931.25
29	ITEM 407:	TACK COAT (0.10 GAL./SY)	228	GAL	$1.00	$1.00	$2.00	$456.00	92.5	GAL	$1.00	$1.00	$2.00	$185.00
30	ITEM 441:	1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (448), PG64-22, AS PER PLAN	114	CY	$10.00	$130.00	$140.00	$15,960.00	45	CY	$10.00	$130.00	$140.00	$6,300.00
31	ITEM 441:	1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG64-22, AS PER PLAN	98	CY	$15.00	$160.00	$175.00	$17,150.00	39	CY	$15.00	$160.00	$175.00	$6,825.00
32	ITEM 614:	MAINTAINANCE TRAFFIC	LUMP	LUMP	$5,000.00	$0.00	$5,000.00	$5,000.00	0.4066	LUMP	$5,000.00	$0.00	$5,000.00	$2,033.00
33	ITEM 624:	MOBILIZATION	LUMP	LUMP	$5,000.00	$0.00	$5,000.00	$5,000.00	0.4066	LUMP	$5,000.00	$0.00	$5,000.00	$2,033.00
34	ITEM 642:	TRAFFIC PAINT, AS PER PLAN	LUMP	LUMP	$500.00	$2,000.00	$2,500.00	$2,500.00	0.4066	LUMP	$500.00	$2,000.00	$2,500.00	$1,016.50
35	ITEM SPECIAL:	VOID REDUCING ASPHALT MEMBRANE	800	FOOT	$1.00	$2.18	$3.18	$2,544.00	400	FOOT	$1.00	$2.18	$3.18	$1,272.00
		GENERAL												
36	ITEM SPECIAL:	PRECONSTRUCTION VIDEO	LUMP	LUMP	$750.00	$0.00	$750.00	$750.00	0.2	LUMP	$750.00	$0.00	$750.00	$150.00
37	ITEM SPECIAL:	DISCRETIONARY ALLOWANCE TO BE UTILIZED AS DIRECTED BY THE ENGINEER FOR UNSCHEDULED WORK ITEMS NOT INCLUDED IN THIS PROPOSAL OR SHOWN ON	LUMP	LUMP			$25,000.00	$25,000.00	0.1	LUMP			$25,000.00	$2,500.00
								$97,028.75						$30,873.75

ENGINEERING	$1,852.43
TOTAL	$32,726.18

ORDINANCE NO. 2019-39
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