

# Rochester Community Schools Purchasing Department

### **Request for Proposal**

Date: Thursday, November 3,

2022

Project: **Delta Kelly Elementary** 

School Adams Road Entrance Drive Curb & Gutter Replacement

Project Number: 23.01

Response Due Date and Time:

Submit Response to:

November 17, 2022 at 2:00 p.m. Local Time

All proposals, required forms, and pricing shall be

submitted electronically on BidNet Direct

(https://www.bidnetdirect.com)

Submit Questions to:

Requests for clarification shall be submitted through BidNet Direct and all responses will be released as addendum within the online posting.

Description of Procurement: Driveway Replacement

**Estimated Project Timeline:** 

Notice of Advertisement in Local Newspaper:

Release of RFP:

Site Walk-through and Pre-Bid Meeting:

Online Requests for Clarification Deadline:

Release of Addenda with RFC Answers:

Bid Due Date:

Bid Opening and Public Reading:

**November 9, 2022** 

**November 3, 2022** 

None

November 10, 2022 at 5:00 p.m. Local Time

November 14, 2022

November 17, 2022 at 2:00 p.m. Local Time

**November 17, 2022** at 2:00 p.m. Local Time located at 52585 Dequindre Road, Rochester, MI

48307

Anticipated Board of Education Bid Award:

Project Completion Date:

December 12, 2022

July 31, 2023

→Notice: The right to modify the project timeline is held by Rochester Community Schools in absolute discretion.

#### Objective:

Rochester Community Schools, known herein as "Owner", seeks proposals from qualified firms to replace the existing curb and gutter along the Adams Road entrance drive per plans and specifications provided by the PEA Group dated August 19, 2022.

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#### **Information to Bidders**

#### Overview

Rochester Community Schools, known herein as "Owner", seeks proposals from qualified firms to replace the existing concrete curb and gutter along the Adams Road entrance. Delta Kelly Elementary School is located at 3880 Adams Road, Oakland Twp. We have received approval from RCOC for this project. Due to the current time of year, we would anticipate this project be completed after school is dismissed on June 9, 2023. We are requesting that the project be complete by August 1, 2023.

#### Project Purpose and Expectations

The District is requesting proposals to replace the damaged concrete curb and gutter at the entrance drive into campus off of Adams Road. Scope includes replacing any asphalt adjacent to the curb and gutter to provide a smooth entrance drive into campus.

#### **Timeline**

The expected timeline is as follows:

Notice of Advertisement in Local Newspaper:	November 9, 2022	
Release of RFP:	November 3, 2022	
Site Walk-through and Pre-Bid Meeting:	None	
Online Requests for Clarification Deadline:	November 10, 2022 at 5:00 p.m. Local Time	
Release of Addenda with RFC Answers:	November 14, 2022	
Bid Due Date:	November 17, 2022 at 2:00 p.m. Local Time	
Bid Opening and Public Reading:	November 17, 2022 at 2:00 p.m. Local Time located at 52585 Dequindre Road, Rochester, MI 48307	
Anticipated Board of Education Recommendation to Award:	December 12, 2022	
Project Completion Date:	July 31, 2023	

#### Scope

- 1. Remove and replace existing damaged curb and gutter per plans and specifications provided by PEA Group dated August 19, 2022.
  - Include all demolition and removal to provide a complete project.
  - Include all concrete and asphalt work for a complete project.
  - Include all barricades and traffic control to facilitate work and to comply with RCOC requirements.
  - Include costs to keep area clean at all times.
  - Plans have been submitted to RCOC for approval. Comply with all RCOC requirements.
  - Inspect site to understand all existing conditions before submitting proposal.
  - Provide a final clean up of all debris upon completion.
  - Repair any adjacent areas affected by the new work and demolition. This includes landscaped areas.
  - Help coordinate inspection requests from RCOC to obtain final approval upon project completion.
  - Include scope to address notes in red on the approved permit drawings from RCOC.

#### Alternate Pricing:

None required.

#### Selection Process and Owner's Rights

The Owner reserves the following:

- 1. To reject any or all bids without compensation to the bidders and to waive any or all variances, irregularities, or informalities in the bid package.
- 2. In the event that all acceptable bids exceed the owner's budget, the Owner reserves the right to negotiate a contract with the lowest and best acceptable bidder or any other one of the acceptable bidders.
- 3. To select more than one vendor or brand,

The submissions will be evaluated and scored according to the following criteria:

- Qualifications & Experience
- Price Proposal

Bidders must visit site before submitting a proposal to understand all existing conditions. No added cost will be approved for not inspecting the site and understanding existing site conditions.

#### Award of Contract

Project is expected to be approved by the Rochester Community Schools Board of Education on December 12, 2022. Please note the project will not necessarily be awarded to the lowest bidder or lowest price. Rochester Community Schools reserves to award the project to the most qualified bidder based on the criteria noted.

#### Bid Due Date and Proposal Submission Requirements:

- All proposals, required forms, and pricing shall be submitted electronically on BidNet Direct (https://www.bidnetdirect.com) no later than 2:00 p.m., local time, November 17, 2022 (the "Due Date".) No oral, telephonic, or facsimile proposals will be considered.
- 2. RCS will not consider or accept any late Bids received after the Due Date specified within the RFP. It is the sole responsibility of the Bidder to ensure their proposal is entered completely and forms are uploaded on BidNet Direct before the closing date and hour indicated within the RFP. Bidders shall plan ample time to respond to all requirements and input all requirements. RCS is not responsible for any delivery delays.

#### Qualification of Bidder

- The Owner reserves the right to request qualification information from any bidder before
  issuing documents, receiving bids or awarding a contract. The Owner may, at its sole
  discretion, accept or reject bidders as qualified. The right to waive any informalities in
  qualification materials is reserved by the Owner. The Bidder, in submitting his/her bid,
  agrees to accept the decision of the Owner as final.
- 2. The submitters shall provide full disclosure of all existing client relationships that currently or prospectively may give rise to conflicts of interest and disqualification as governed by the codes of rules of professional responsibility and conduct.

#### Sole Bidder

- 1. It is the Owner's intent that this Request for proposals, permits competition. It shall be the bidder's responsibility to advise the Owner, in writing, if any language, requirements, scope specifications, etc., or any combinations thereof, inadvertently restricts or limits the requirements stated in this Proposal, to a single source. Owner shall receive such notification no later than five (5) days prior to the date set for acceptance of bids.
- If only one bid is received in response to this invitation to bid, a cost/price analysis and evaluation and/or audit shall be performed of the cost proposal in order to determine if the price is fair and reasonable.
- 3. The Owner reserves the right to cancel the bid, or reschedule the bid opening, if there is only one bid received. The decision by the Owner will be final.

#### Addenda

- Each bidder shall ascertain prior to submitting their bid that they have received all addenda issued.
- Addenda notices will be sent to all who are known by the Owner to have a set of contract documents. Copies of addenda will be made available for inspection wherever contract documents are on file for that purpose.

#### **Unit Pricing**

 Each bidder must include in proposal pricing all equipment, operating manuals, inspection, testing, certification, freight, delivery, installation and any other relevant charges so as to be the final cost to the Owner for the proposed items.

- Bids are considered irregular and may be rejected if unit prices contained in the bid proposal are obviously unbalanced either in excess of, or below, reasonable cost analysis values.
- 3. Any unit price that, in the sole opinion of the Owner, is unbalanced or excessive may be rejected without effecting the validity of the bid or other unit prices. An entire bid may be rejected if, in the sole opinion of the Owner, rejection of individual unit prices materially affects the bid.
- 4. Bid prices shall be firm through July 31, 2023. Pricing shall be F.O.B. delivered, unloaded and installed.

#### **Bid Bond**

- 1. Bid Bond: Bidders must submit with its Bid, bid security in the form of a Bid Bond issued by a qualified surety or certified check in an amount of five percent (5%) of the Bid ("Bid Security"). Failure to include this Bid Security with Bidder's Bid will result in the rejection of your Bid. If a Bid Bond is posted by a Bidder, it shall be from a Treasury Surety licensed to do business in the State of Michigan, and the attorney-in-fact who executes the Bid Bond on behalf of the Bidder shall attach a certified, current copy of its power of attorney. In the event a certified check is submitted, it shall be made payable to "Rochester Community Schools" The School District shall not be liable for any interest earned thereon. The Bid Security shall be forfeited as liquidated damages, and not as a penalty, if the Bidder withdraws its Bid after the Due Date for submission of Bids or, upon acceptance of its Bid by the School District, Bidder fails to execute the form of Contract acceptable to the School District, substantially evidencing and incorporating this RFP and its Bid and fails to provide the required Performance Bond and/or Payment Bond, if any, and the required insurance certificates, within fifteen (15) days of an award of a Contract to the Bidder.
- 2. The proposed bonding company of the bidder shall be acceptable to the Owner. The Owner shall be listed as obligated on the bond.

#### Sales Tax

1. Owner is exempt from all taxes. A tax exemption certificate will be issued upon request.

#### Method of Ordering

1. Issuance of a written purchase order by the Purchasing Department is the method of ordering product or services. All vendor invoices and packing/delivery tickets must include the purchase order number.

#### **Payment**

- 1. Payment to be made from Vendor's invoice, and a copy of the signed delivery invoices, submitted to cover items received and accepted during the billing period. Invoices must contain the bid number under which the contract is awarded.
- 2. Pricing shall be F.O.B. delivered to RCS at 52585 Dequindre Road, Rochester MI 48307, unloaded, and installed.

#### Familial Relationship Disclosure

All bidders shall provide familial disclosure in compliance with MCL 380.1267 and attach
this information to the bid proposal. The bid proposal shall be accompanied by a sworn
and notarized statement disclosing any familial relationship that exists between the
bidder or any employee of the bidder, and any member of the Board of Education of the
school district, or the Superintendent of the school district. The District will not consider
a bid proposal that does not include this sworn and notarized statement.

#### Iran Economic Sanctions Act

 Each bid must be accompanied by a sworn and notarized statement certifying that the Contractor is not an "Iran linked business" within the meaning of the Iran Economic Sanctions Act.

#### Withdrawal or Revision of Bid Proposals

1. A bid may not be modified, withdrawn or cancelled by the bidder for ninety (90) calendar days following the time and date designated for the opening of bids, and bidder so agrees in submitting his/her bid.

#### Acceptance and Rejection of Bid Proposals

- Low bid price is not always the determining factor in the awarding of the bid. Other
  factors considered may include, but not be limited to, the following: delivery and/or
  completion time, judged quality of product, past performance, inventory availability,
  financial stability, and references.
- 2. The Owner shall have the right to waive any informality or irregularity in any bid received and to accept bids which, in their judgment, are in their own best interest.
- 3. The Owner shall have the right to accept or reject alternates in any order or combination and to determine the apparent low bidder on this basis.

#### Post-Bid Information

- 1. After the bids are received, tabulated, and evaluated by the Owner, the apparent lowest qualified bidder(s) shall meet with the Owner at a post-bid meeting if requested by Owner.
- 2. The Owner reserves the right to request additional information from bidders for evaluation criteria as needed.

## Bid Proposal Form: Delta Kelly Adams Road Entrance Drive

#### Name of Bidder

Firm Name:	
Address:	
Telephone:	Fax:

#### Agreements

The undersigned understands that the Owner reserves the right to reject any and all bids and to waive informalities and irregularities in bidding.

Owner also reserves the right to withhold bids for a period of time (90 days) from bid closing date.

The Owner reserves the right to accept or reject any or all Bids in whole or in part, or to waive any informalities therein. If in the Owner opinion it is in their best interest, the contract may be awarded to other than the lowest bidder, for reason of establishing uniformity, delivery time, etc.

If award is made to us under this proposal, we agree to enter into an Agreement with Rochester Community Schools to furnish products and/or services, in strict accordance with this proposal, bid documents and all pertinent portions of plans, drawings and specifications.

#### Addenda

The undersigned acknowledges receipt of the following addenda:

Addendum Number:	Dated:
Addendum Number:	Dated:
Addendum Number:	Dated:

My signature certifies that the proposal as submitted complies with all Terms and Conditions as set forth in this RFP.

My signature also certifies that the accompanying proposal is not the result of, or affected by, any unlawful act of collusion with another person or company engaged in the same line of business or commerce, or any act of fraud. Furthermore, I understand that fraud and unlawful collusion are crimes under Federal Law, and can result in fines, prison sentences, and civil damage awards.

My signature also certifies that this firm has no business or personal relationships with any other companies or persons that could be considered as a conflict of interest or potential conflict of interest to Rochester Community Schools, and that there are no principals, officers, agents, employees, or representatives of this firm that have any business or personal relationships with any other companies or persons that could be considered as a conflict of interest or a potential conflict of interest to Rochester Community Schools, pertaining to any and all work or services to be performed as a result of this request and any resulting contract with Rochester Community Schools.

I hereby certify that I am authorized to sign as a Representative for the Firm:

	ng under the laws of the State of lual duly authorized to execute contracts:
Name:	
Title:	
Signature:	
CONTACT PERSON:	PHONE NO:

#### Base Bid

**BASE BID:** Bid to furnish all labor, material, equipment and services necessary to provide **Delta Kelly Adams Drive Entrance & Gutter Replacement** with the Base Bid Category descriptions, including all addenda, for the amount as follows:

TOTAL (BASE BID)	\$		
		Dollars	
*PRICES ARE NOT TO INCLUDE ANY STATE OR LOCAL TAXES.			
*PRICING GOOD THROUGH JUNE 30, 2022. PLEASE NOTE ANY I	EXCEPTION:		
ALTERNATE PRICING:			

#### ALTERNATE PRICING:

None required.

#### **VOLUNTARY ALTERNATES**

Whenever any material or equipment is specified by patent or proprietary name or by the name of the manufacturer, such specification shall be considered as if followed by the words "or acceptable equal". The Bidder may offer material or equipment with equal or better qualities and performance in substitution for those specified which it considers would be in the Owner's interest to accept. The Bidder shall include sufficient specification data that will, together with any other data the Owner may require, enable the Owner to assess the acceptability of the material or equipment.

Voluntary Alternates:	\$	
	'	Dollars
Description of Voluntary Alternate:		
Additional Labor Charges (List if any)		
After hours labor:	Holidays:	
Weekends	Other:	

# FAMILIAL DISCLOSURE AFFIDAVIT OF BIDDER

The undersigned, owner or authorized officer of	(the		
bidder/contractor), pursuant to the familial disclosure requirement provided in the Request for Proposals, hereby represent and warrant, except as provided below, that no familial relationships exbetween the bidder/contractor or any employee of the bidder/contractor, and any member of Rochester Community Schools Board of Education, the Superintendent and/or any Rochester Community Schools Administrator.			
The following are the bidder's familial relationship	o(s) with Rochester Community Schools:		
Bidder/Contractor Employee Name Related to:			
1			
2			
(Attach additional pages if necessary to disclose all fam	ilial relationships.)		
There is no familial relationship that exists betwe the bidder and any member of the Rochester Con Superintendent, or Administration.			
Bidder: (Company Name)			
Ву:			
(Signature)			
(Title)			
This instrument was acknowledged before me, a Notar	•		
on this day of	, 20		
	_ SS:		
(Notary Public Signature)			
My Commission expires:	_		
Acting in the County of:	_		

# Certification of Compliance – IRAN ECONOMIC SANCTIONS ACT (MICHIGAN PUBLIC ACT NO. 517 OF 2012)

The undersigned, the owner or authorized officer of the Below named Bidder (the "Bidder"), pursuant to the compliance certification requirement provided in the Rochester Community Schools' (the "School District") Request for Bid, hereby certifies, represents and warrants that the Bidder (Including its officers, directors and employees) in not an "Iran linked business" within the meaning of the Iran Economic Sanctions Act, Michigan Public Act No. 517 of 2012 (the "Act"), and that in the event Bidder is awarded a contract as a result of the aforementioned RFB, the Bidder will not become an "Iran linked business" at any time during the course of performing the Work or any service under the contract.

The Bidder further acknowledges that any person who is found to have submitted a false certification is responsible for a civil penalty of not more the \$250,000.00 or 2 times the amount of the contract or proposed contract for which the false certification was made, whichever is greater, the cost of the School District's investigation, and reasonable attorney fees, in addition to the fine. Moreover, any person who submitted a false certification shall be ineligible to bid on a request for bid for three (3) years from the date that it is determined that the person has submitted the false certification.

Name of Company	
Name and Title of Authorized Representative	
Signature	

# Attachment A: Site Location Plan



Delta Kelly Elementary School: 3880 Adams, Oakland Twp., MI 48363

# Recent photo of existing curb area looking north:



# Attachment B:

Refer to design documents created by PEA Group dated August 19, 2022.





ROAD COMMISSION FOR OAKLAND COUNTY RECEIVED

Aug 30 2022

DEPARTMENT OF CUSTOMER SERVICES PERMITS

# GHAFARI

PROJECT NAME AND ADDRESS

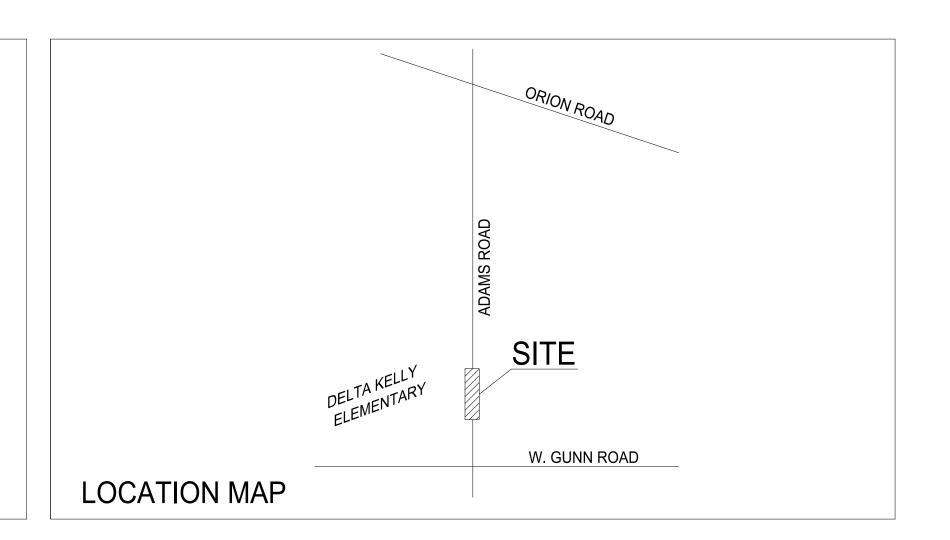
# BID PACKAGE 17 DELTA KELLY DRIVE APPROACH

DELTA KELLY ELEMENTARY SCHOOL 3880 ADAMS ROAD

# PROJECT DESCRIPTION

REMOVE AND REPLACE CURB AND ASPHALT AT DRIVE APPROACH TO SCHOOL TO REPAIR DRAINAGE ISSUES.

# SUBMITTALS



CALL INSPECTOR OR
PERMIT SUPERVISOR
BEFORE
BEGINNING ANY WORK
IN R.O.W

"PROPER SIGNING"
IS REQUIRED BEFORE
ANY WORK IN R.O.W.
IS STARTED

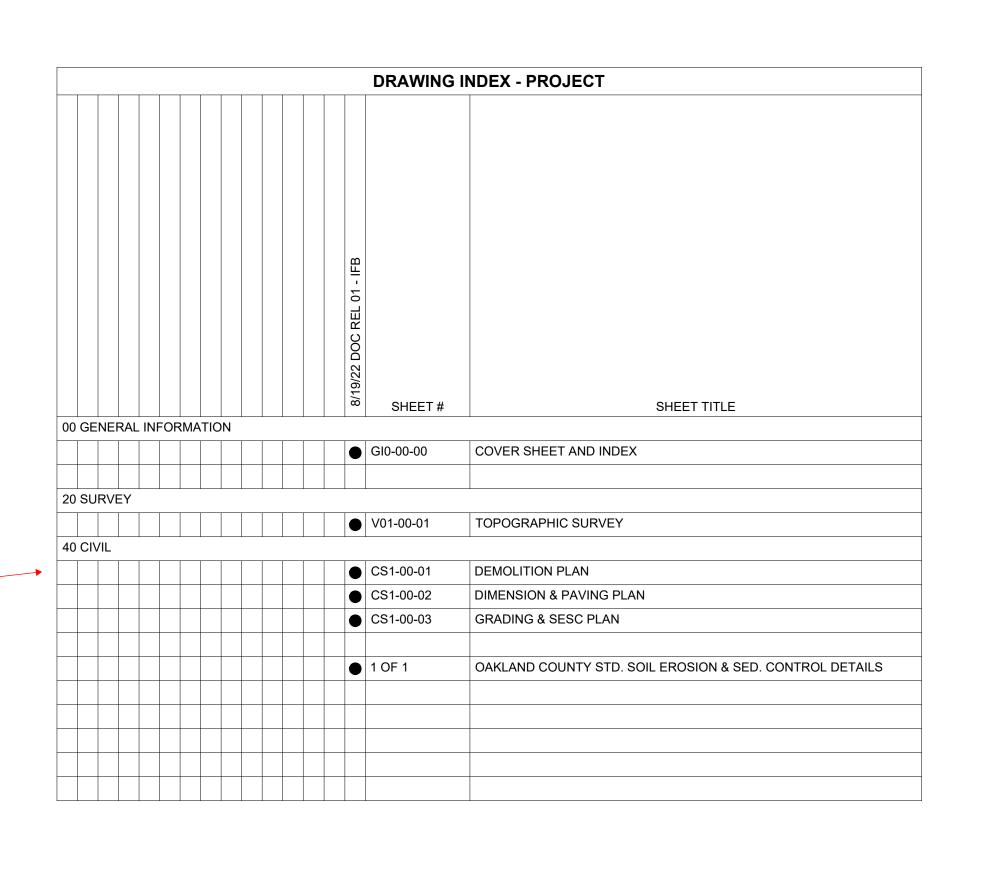
LANE CLOSURES
RESTRICTED TO
9-3 MON - FRI

FLAG PERSONS
REQUIRED
FOR TEMPORARY
ONE LANE ROADS

SUITABLE BASE TO BE
DETERMINED BY
R.C.O.C. INSPECTOR
IN THE FIELD

FULL DEPTH SAWCUT
AND/OR MILL A BUTT JOINT,
WITH LOCATION/WIDTH
AS DIRECTED BY
RCOC INSPECTOR

**RCOC NOTES** 



PROJECT INFORMATION

PROJECT NO. 2069065

ISSUED FOR: DOC REL 01 - IFB

ISSUE DATE: 8/19/2022

PROJECT TEAM

GHAFARI

ARCHITECT AND ENGINEER 17101 MICHIGAN AVENUE DEARBORN, MI 48126-2736 USA TEL +1.313.441.3000 www.ghafari.com

CONSTRUCTION MANAGER
303 E. THIRD STREET
ROCHESTER, MI 48307 USA
TEL +1.248.651.7242
www.frankrewold.com

PEA GROUP CIVIL ENGINEER

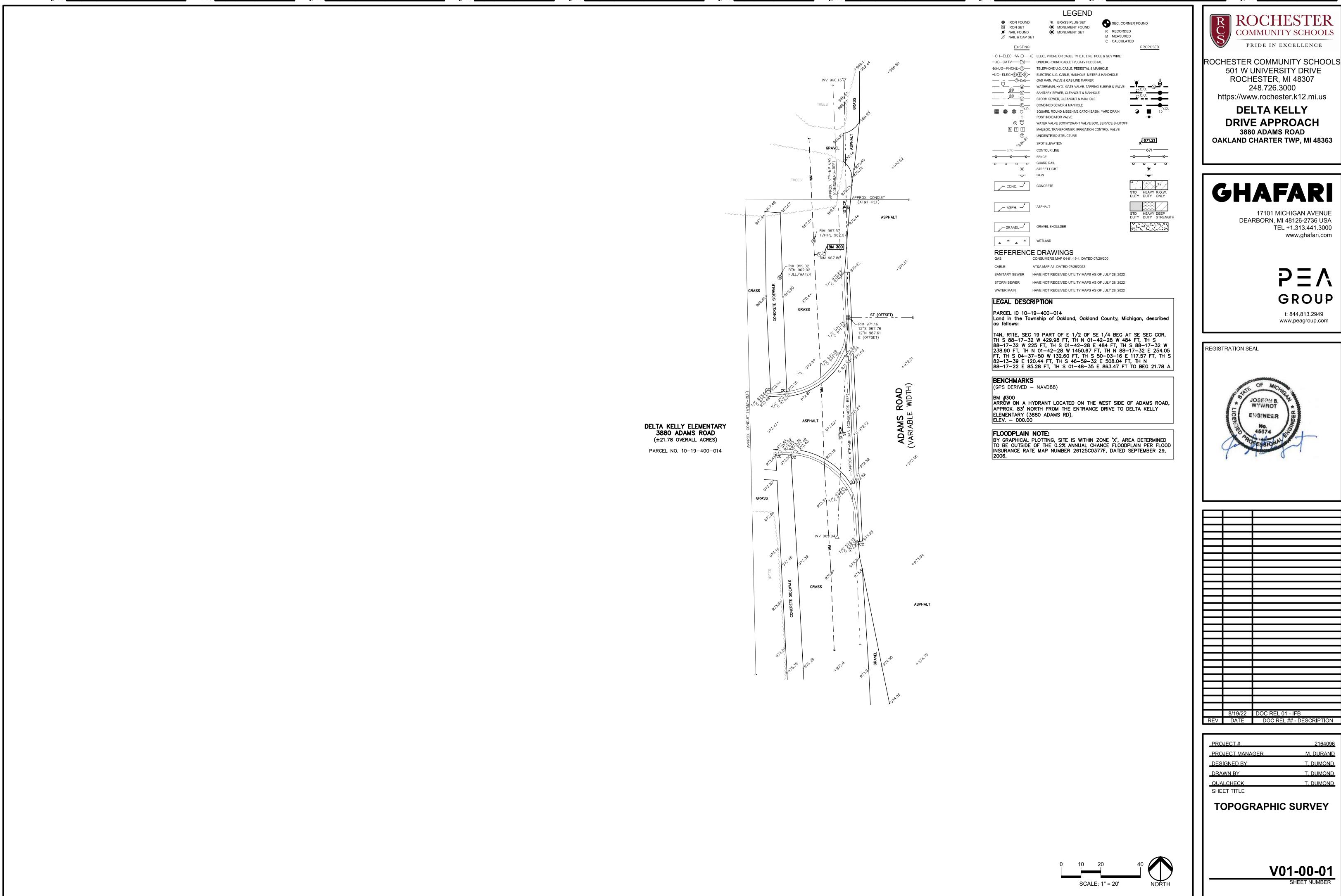
7927 NEMCO WAY, SUITE 115 BRIGHTON, MI 48116 USA TEL +1.517.546.8583 peagroup.com

APPROVED FOR CONSTRUCTION PERMIT

ROAD COMMISSION FOR OAKLAND COUNTY PERMITS OFFICE

RY.







501 W UNIVERSITY DRIVE ROCHESTER, MI 48307 248.726.3000

https://www.rochester.k12.mi.us

**DELTA KELLY DRIVE APPROACH** 

3880 ADAMS ROAD OAKLAND CHARTER TWP, MI 48363

# **GHAFARI**

17101 MICHIGAN AVENUE DEARBORN, MI 48126-2736 USA TEL +1.313.441.3000 www.ghafari.com

GROUP

t: 844.813.2949 www.peagroup.com

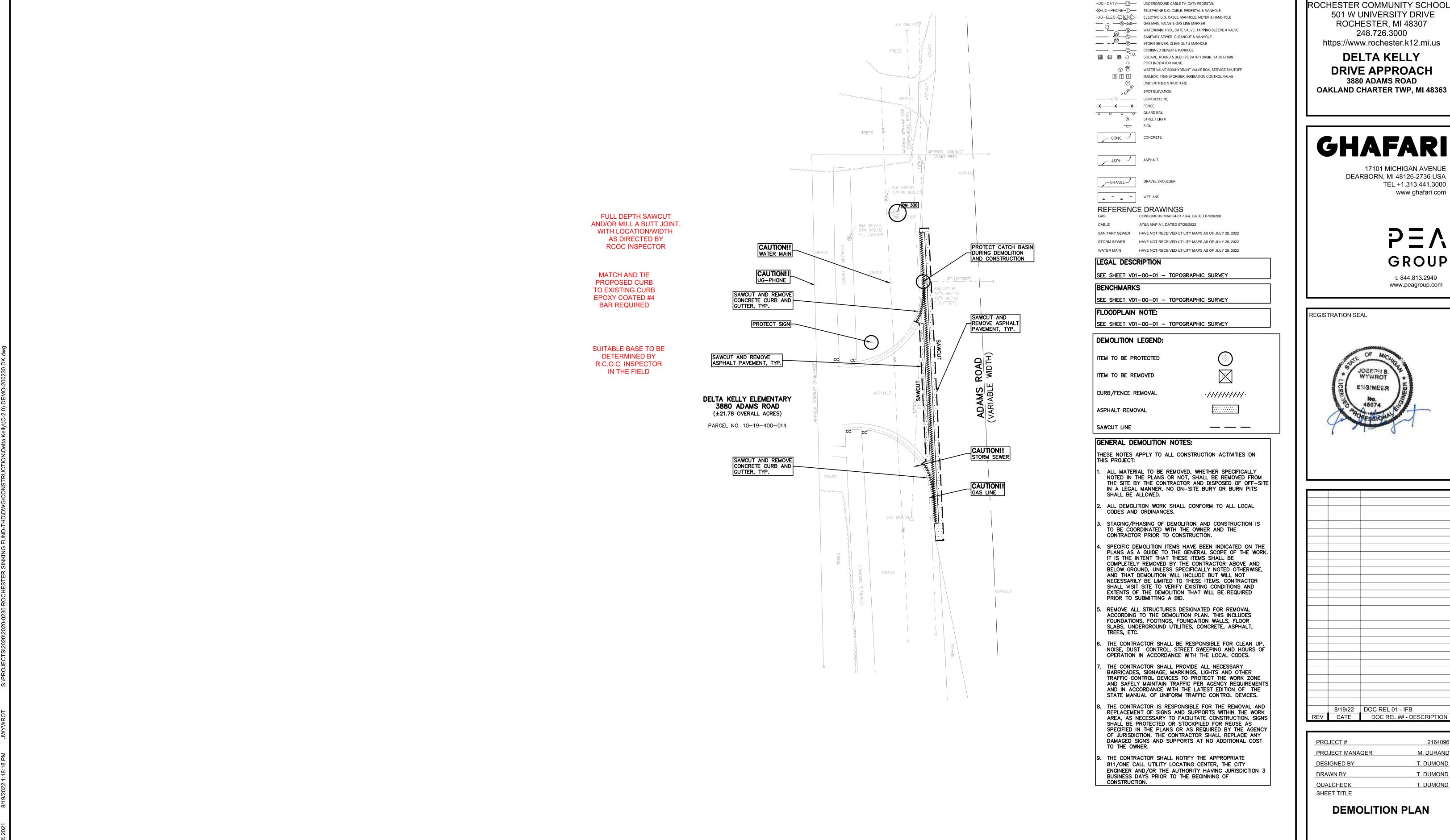


	8/19/22	DOC REL 01 - IFB
REV	DATE	DOC REL ## - DESCRIPTION

PROJECT#	2164096	
PROJECT MANAGER	M. DURAND	
DESIGNED BY	T. DUMOND	
DRAWN BY	T. DUMOND	
QUALCHECK	T. DUMOND	
SHEET TITLE		

TOPOGRAPHIC SURVEY

V01-00-01



COMMUNITY SCHOOLS PRIDE IN EXCELLENCE

LEGEND

SEC. CORNER FOUND

R RECORDED

M MEASURED C CALCULATED

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MONUMENT SET

-OH-ELEC-W-O-C ELEC., PHONE OR CABLE TV O.H. LINE, POLE & GUY WIRE

MONUMENT FOUND

IRON FOUND

MAIL FOUND

Ø NAIL & CAP SET

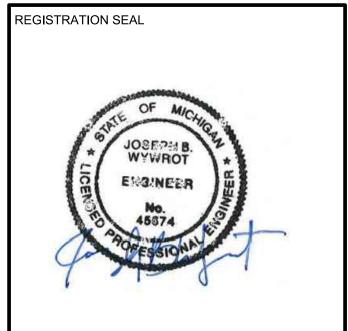
ROCHESTER COMMUNITY SCHOOLS 501 W UNIVERSITY DRIVE

https://www.rochester.k12.mi.us

**DRIVE APPROACH** 

17101 MICHIGAN AVENUE DEARBORN, MI 48126-2736 USA TEL +1.313.441.3000 www.ghafari.com

t: 844.813.2949 www.peagroup.com



	8/19/22	DOC REL 01 - IFB
REV	DATE	DOC REL ## - DESCRIPTION

PROJECT #	2164096
PROJECT MANAGER	M. DURAND
DESIGNED BY	T. DUMOND
DRAWN BY	T. DUMOND
QUALCHECK	T. DUMOND
CHEET TITLE	

SCALE: 1" = 20'

CS1-00-01 SHEET NUMBER

# **GENERAL NOTES:**

THESE NOTES APPLY TO ALL CONSTRUCTION ACTIVITIES ON THIS PROJECT.

- ALL CONSTRUCTION, WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT OSHA, MDOT AND MUNICIPALITY STANDARDS AND REGULATIONS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND/OR THE AUTHORITY HAVING JURISDICTION 3 BUSINESS DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT THE ENGINEER SHOULD THEY ENCOUNTER ANY DESIGN ISSUES DURING
- CONSTRUCTION. IF THE CONTRACTOR MAKES DESIGN MODIFICATIONS WITHOUT THE WRITTEN DIRECTION OF THE DESIGN ENGINEER, THE CONTRACTOR DOES SO AT HIS OWN RISK.
- ALL NECESSARY PERMITS, TESTING, BONDS AND INSURANCES ETC., SHALL BE PAID FOR BY THE CONTRACTOR. THE OWNER SHALL PAY FOR ALL CITY INSPECTION FEES.
- THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE 811/ONE CALL UTILITY LOCATING CENTER, THE CITY ENGINEER AND/OR THE AUTHORITY HAVING JURISDICTION 3 BUSINESS DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION. IF NO NOTIFICATION IS GIVEN AND DAMAGE RESULTS, SAID DAMAGE WILL BE REPAIRED AT SOLE EXPENSE OF THE CONTRACTOR. IF EXISTING UTILITY LINES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER SO THAT THE
- CONTRACTOR SHALL VERIFY THAT THE PLANS AND SPECIFICATIONS ARE THE VERY LATEST PLANS AND SPECIFICATIONS AND FURTHERMORE, VERIFY THAT THESE PLANS AND SPECIFICATIONS HAVE BEEN APPROVED. ALL ITEMS CONSTRUCTED BY THE CONTRACTOR PRIOR TO RECEIVING FINAL APPROVAL, HAVING TO BE ADJUSTED OR RE-DONE, SHALL BE AT THE CONTRACTORS EXPENSE. SHOULD THE CONTRACTOR ENCOUNTER A CONFLICT BETWEEN THESE PLANS AND/OR SPECIFICATIONS, THEY SHALL SEEK CLARIFICATION IN WRITING FROM THE ENGINEER BEFORE COMMENCEMENT OF CONSTRUCTION. FAILURE TO DO SO SHALL BE AT SOLE EXPENSE TO THE CONTRACTOR.
- ANY WORK WITHIN THE STREET OR HIGHWAY RIGHTS-OF-WAY SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AGENCIES HAVING JURISDICTION AND SHALL NOT BEGIN UNTIL ALL NECESSARY PERMITS HAVE BEEN ISSUED FOR THE WORK.
- ALL PROPERTIES OR FACILITIES IN THE SURROUNDING AREAS, PUBLIC OR PRIVATE, DESTROYED OR OTHERWISE DISTURBED DUE TO CONSTRUCTION, SHALL BE REPLACED AND/OR RESTORED TO THE ORIGINAL
- THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BARRICADING, SIGNAGE, LIGHTS AND TRAFFIC CONTROL DEVICES TO PROTECT THE WORK AND SAFELY MAINTAIN TRAFFIC IN ACCORDANCE WITH LOCAL REQUIREMENTS AND THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION). THE DESIGN ENGINEER, OWNER, AND STATE SHALL NOT BE HELD LIABLE FOR ANY CLAIMS RESULTING FROM ACCIDENTS OR DAMAGES CAUSED BY THE CONTRACTOR'S FAILURE TO COMPLY WITH TRAFFIC AND PUBLIC SAFETY REGULATIONS DURING THE CONSTRUCTION PERIOD.
- 10. THE USE OF CRUSHED CONCRETE IS PROHIBITED ON THE PROJECT WITHIN 100 FEET OF ANY WATER COURSE (STREAM, RIVER, COUNTY DRAIN, ETC.) AND LAKE, REGARDLESS OF THE APPLICATION OR LOCATION OF THE WATER COURSE OR LAKE RELATIVE TO THE PROJECT LIMITS.
- . IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST THE TOP OF ALL EXISTING AND PROPOSED STRUCTURES (MANHOLES, CATCH BASINS, INLETS, GATE WELLS ETC.) WITHIN GRADED AND /OR PAVED AREAS TO FINAL GRADE SHOWN ON THE PLANS. ALL SUCH ADJUSTMENTS SHALL BE INCIDENTAL TO THE JOB AND WILL NOT BE PAID FOR SEPARATELY.

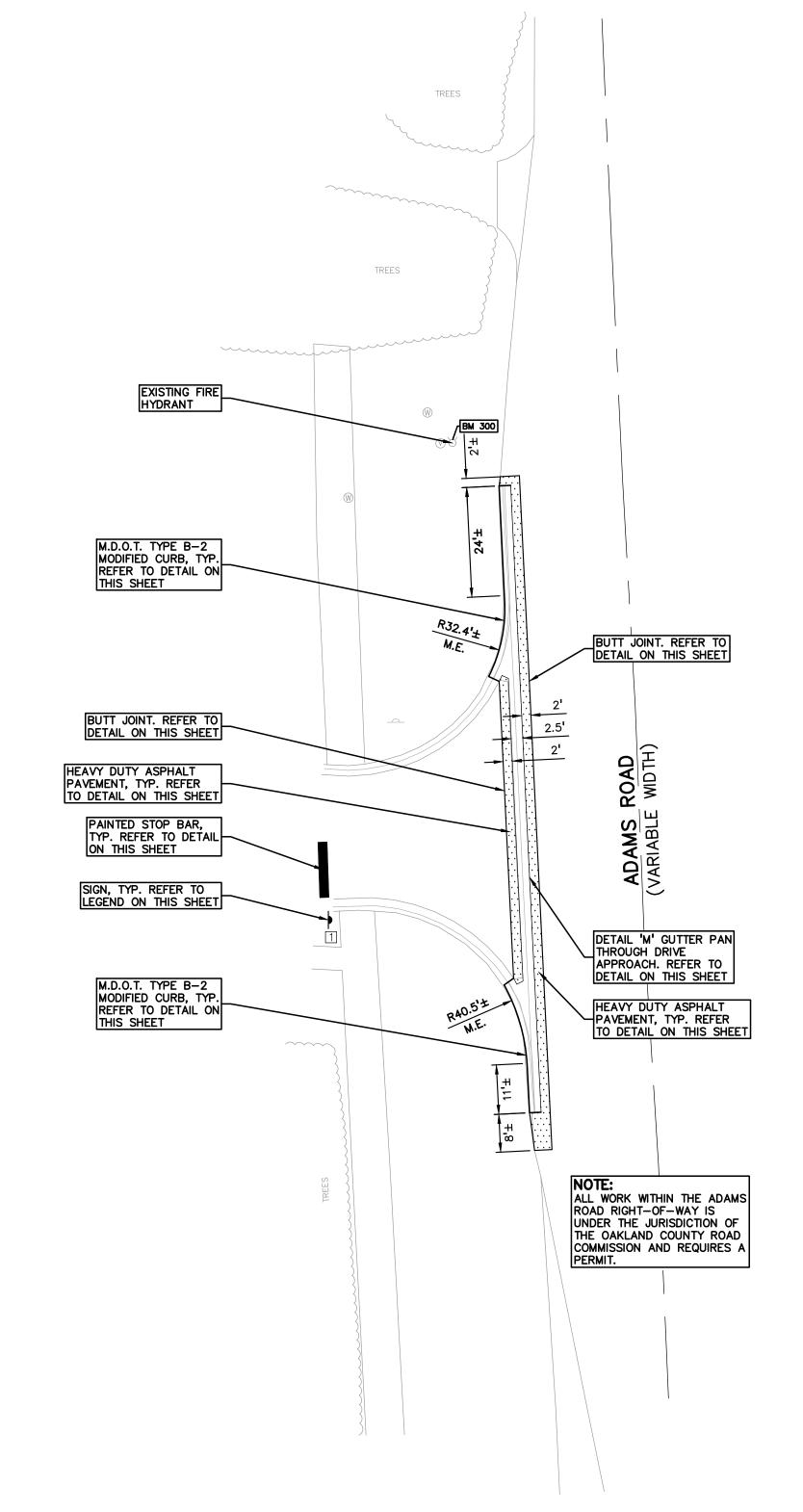
#### PAVING NOTES:

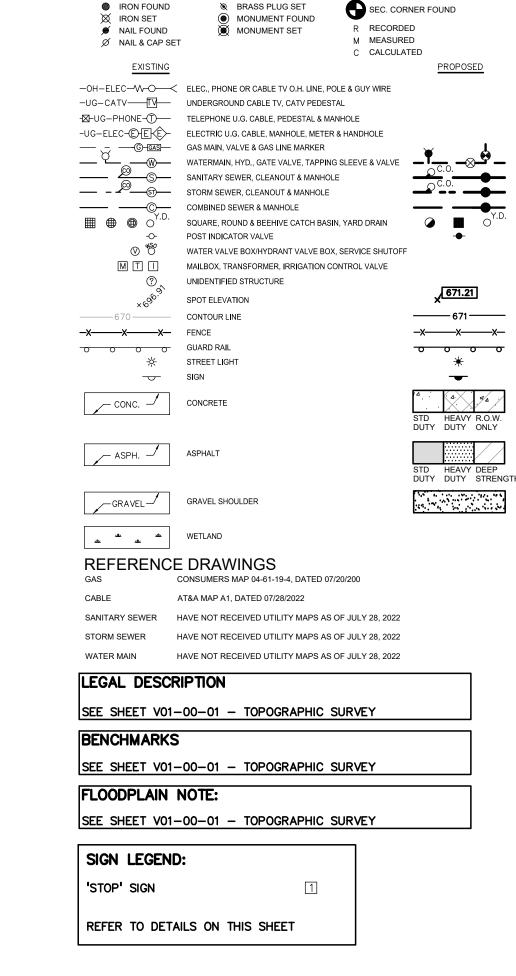
- IN AREAS WHERE NEW PAVEMENTS ARE BEING CONSTRUCTED, THE TOPSOIL AND SOIL CONTAINING ORGANIC MATTER SHALL BE REMOVED PRIOR TO PAVEMENT CONSTRUCTION.
- CONSTRUCTION TRAFFIC SHOULD BE MINIMIZED ON THE NEW PAVEMENT. IF CONSTRUCTION TRAFFIC IS ANTICIPATED ON THE PAVEMENT STRUCTURE, THE INITIAL LIFT THICKNESS COULD BE INCREASED AND PLACEMENT OF THE FINAL LIFT COULD BE DELAYED UNTIL THE MAJORITY OF THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED. THIS ACTION WILL ALLOW REPAIR OF LOCALIZED FAILURE, IF ANY DOES OCCUR, AS WELL AS REDUCE LOAD DAMAGE ON THE PAVEMENT SYSTEM.
- ALL EXPANSION JOINTS AND CONCRETE PAVEMENT JOINTS TO BE SEALED.
- CONCRETE CURBING JOINTING UNLESS SHOWN OTHERWISE IN THE PLANS OR REQUIRED BY THE AUTHORITY HAVING JURISDICTION
- 4.1. JOINTS WHEN ADJACENT TO ASPHALT PAVEMENT 4.1.1. PLACE CONTRACTION JOINTS AT 10' INTERVALS
- 4.1.2. PLACE 1/2" EXPANSION JOINT AT CATCH BASINS, EXISTING AND PROPOSED SIDEWALK OR EXISTING
- 4.1.3. PLACE 1" EXPANSION JOINT: 4.1.3.1. AT SPRING POINTS OF INTERSECTIONS OR ONE OF THE END OF RADIUS LOCATIONS IN A CURVE
- 4.1.3.2. AT 400' MAXIMUM INTERVALS ON STRAIGHT RUNS 4.1.3.3. AT THE END OF RADIUS AT OPPOSITE ENDS IN A CURBED LANDSCAPE ISLAND
- 1.2. JOINTS WHEN TIED TO CONCRETE PAVEMENT 4.2.1. PLACE CONTRACTION JOINTS OPPOSITE ALL TRANSVERSE CONTRACTION JOINTS IN PAVEMENT 4.2.2. PLACE 1/2" EXPANSION JOINT AT CATCH BASINS, EXISTING AND PROPOSED SIDEWALK OR EXISTING
- 4.2.3. PLACE 1"EXPANSION JOINT OPPOSITE ALL TRANSVERSE EXPANSION JOINTS IN PAVEMENT 4.2.4. CURB AND GUTTER AND CONCRETE SHALL BE TIED TOGETHER SIMILAR TO A LONGITUDINAL LANE TIE
- JOINT (MDOT B1 JOINT) 4.3. IN BETWEEN POURS OF PROPOSED CONCRETE CURBING (CONSTRUCTION JOINT):
- 4.3.1. CARRY THE REBAR CONTINUOUSLY BETWEEN POURS 4.3.2. IF THE REBAR IS NOT LONG ENOUGH TO CARRY CONTINUOUSLY, THEN TIE TWO PIECES OF REBAR PER THE LATEST MDOT SPECIFICATIONS

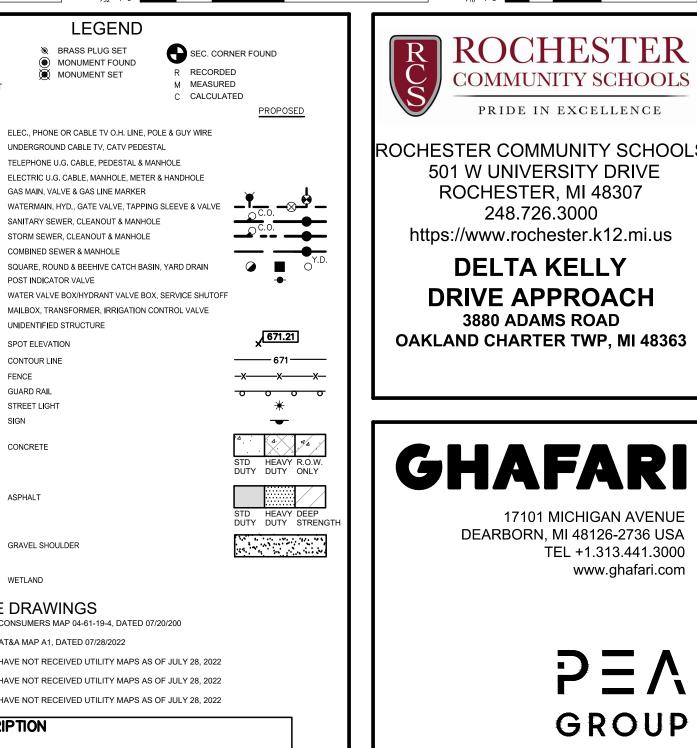
#### CONSTRUCTION MATERIAL SUBMITTALS

UNLESS REQUIRED OTHERWISE IN THE PROJECT SPECIFICATIONS, THE CONTRACTOR SHALL ONLY SUBMIT THE FOLLOWING CONSTRUCTION MATERIAL SUBMITTALS, AS APPLICABLE TO THE PLANS, FOR REVIEW BY THE ENGINEER. UNLESS APPROVED IN ADVANCE AND IN WRITING BY THE ENGINEER, ANY MATERIAL SUBMITTALS PROVIDED TO THE ENGINEER FOR REVIEW IN ADDITION TO THIS LIST SHALL BE RETURNED TO THE CONTRACTOR WITHOUT A REVIEW BEING PERFORMED.

- SOIL EROSION AND SEDIMENTATION CONTROL MEASURES
- PAVEMENT AGGREGATE BASE MATERIAL WITH ALL MATERIAL DATA INCLUDED IN THE SUBMITTAL BEING DATED WITHIN 60 DAYS OF THE SUBMITTAL UNLESS APPROVED OTHERWISE BY THE ENGINEER
- PAVEMENT MIX DESIGNS SUBMITTED FOR REVIEW BY THE ENGINEER MUST FOLLOW THE CURRENT MDOT REVIEW CHECKLISTS AS SUMMARIZED BELOW AND ALL MATERIAL DATA INCLUDED IN THE SUBMITTAL BEING DATED WITHIN 60 DAYS OF THE SUBMITTAL UNLESS APPROVED OTHERWISE BY THE ENGINEER: • CONCRETE MIX DESIGN REVIEW CHECKLIST (FORM 2000)
- SUPERPAVE MIX DESIGN CHECKLIST (FORM 1862) • MARSHALL MIX DESIGN CHECKLIST (FORM 1849)
- ANY ITEMS SHOWN IN THE PLANS OR DETAIL SHEETS THAT SPECIFICALLY STATE FOR THE CONTRACTOR TO SUBMIT A SHOP DRAWING TO THE ENGINEER FOR REVIEW. THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO:
- ANY SPECIALITY ITEMS SHOWN IN THE PLANS OR DETAIL SHEETS THAT SPECIFICALLY DO NOT STATE FOR THE CONTRACTOR SHALL SUBMIT A SHOP DRAWING TO THE ENGINEER FOR REVIEW BUT THE CONTRACTOR REQUESTS TO BE REVIEWED. THE CONTRACTOR'S REQUEST FOR REVIEW MUST BE IN WRITING AND APPROVED BY THE ENGINEER PRIOR TO SUBMITTING THE INFORMATION.







REGISTRATION SEAL ENGINEER

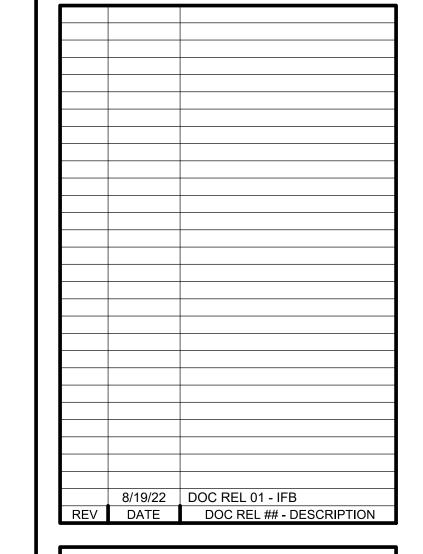
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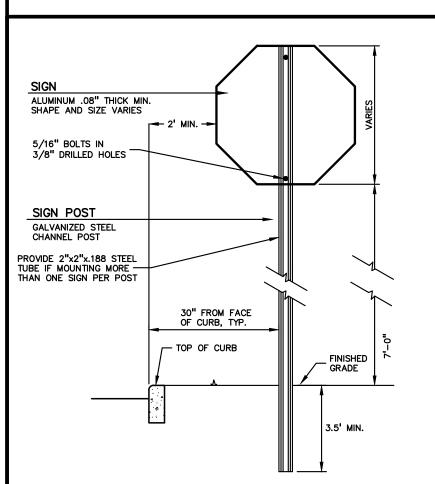
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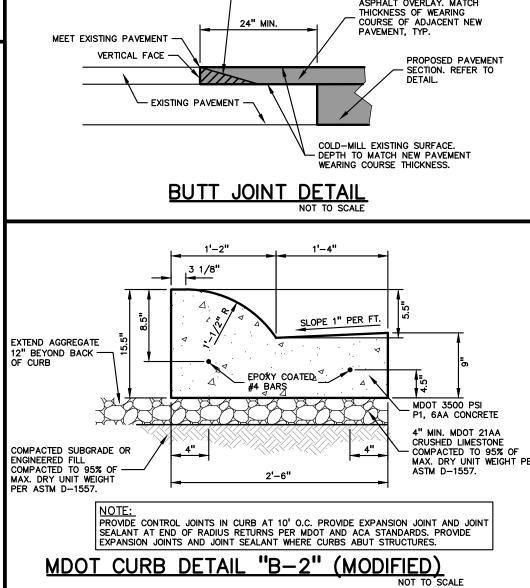
PROJECT#	2164096
PROJECT MANAGER	M. DURAND
DESIGNED BY	T. DUMOND
DRAWN BY	T. DUMOND
QUALCHECK	T. DUMOND
SHEET TITLE	

DIMENSION & PAVING PLAN

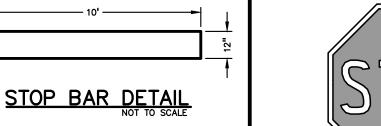
CS1-00-02 SHEET NUMBER



SIGN AND POST INSTALLATION IN LANDSCAPED AREAS

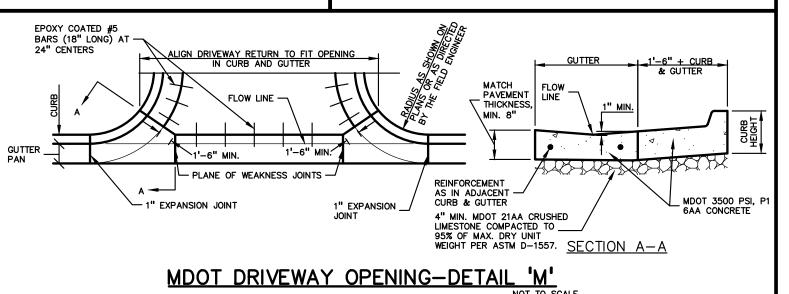


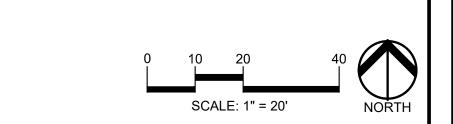
1.5" MDOT 5E3 ASPHALT WEARING COURSE ALL SPECIFIED THICKNESSES ARE FINAL COMPACTED THICKNESSES, TYP. (17% MAXIMUM R.A.P. CONTENT) (SS-1H at 0.05 GALS/S.Y.) 3.0" MDOT 4E3 ASPHALT - LEVELING COURSE (27% MAXIMUM R.A.P. CONTENT) 10" MDOT 21AA CRUSHED LIMESTONE BASE COURSE COMPACTED TO 95% MAX. DRY UNIT WEIGHT PER ASTM D-1557 PROOF-ROLLED/COMPACTED SUBGRADE OR ENGINEERED
- FILL COMPACTED TO 95% OF (NOT FOR USE IN THE RIGHT-OF-WAY) AGGREGATE BASE NOTE:
THIS PAVEMENT SECTION DESIGN ASSUMES THE USE OF MDOT 21AA CRUSHED LIMESTONE BASE MATERIAL THAT MEETS THE REQUIREMENTS OF MDOT STANDARD SPECIFICATION SECTION 902 FOR AGGREGATES. IF CRUSHED CONCRETE AGGREGATE BASE IS PROPOSED IN LIEU OF THE SPECIFIED CRUSHED LIMESTONE MATERIAL, PEA GROUP WILL REQUIRE A MINIMUM 25% INCREASE IN BASE THICKNESS. HOWEVER, IF TESTING DOCUMENTATION IS PROVIDED TO PEA GROUP THAT SHOWS THAT THE CRUSHED CONCRETE MATERIAL MEETS ALL REQUIREMENTS OF MDOT SPECIFICATION SECTION 902, THEN THE 25% INCREASE IN THICKNESS MAY BE REEVALUATED. ASPHALT MATERIAL NOTES: HOT-MIX ASPHALT MIXTURES UTILIZING RECYCLED ASPHALT PAVEMENT (RAP) MUST MEET MOOT SPECIAL PROVISION 12SP501(E). THE BINDER GRADE FOR THIS WORK IS PG64-28. IF ASPHALT MIXES CONTAINING RAP ARE TO BE SUPPLIED FOR THIS PROJECT. THE ASPHALT BINDER MUST BE REVISED PER MOOT 'TIER 1' OR 'TIER 2' REQUIREMENTS (RAP CONTENT UP TO 27% MAXIMUM). TIER 3 MIXES ARE NOT ACCEPTABLE ON THIS PROJECT. AN ASPHALT MIX DÉSIGN FOR ALL SPECIFIED MIXES SHOULD BE FORWARDED TO PEA GROUP FOR REVIEW PRIOR TO CONSTRUCTION



WHITE ON RED REFLECTORIZED 7'-0" MOUNTING HEIGHT

STOP SIGN DETAIL





- . ALL GRADES ARE TO TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
- 2. THE STAGING OF CONSTRUCTION ACTIVITIES SHALL OCCUR ONLY WITHIN THE SITE BOUNDARIES. ANY CONSTRUCTION ACTIVITIES OUTSIDE OF THE SITE BOUNDARIES SHALL BE AT THE SOLE RESPONSIBILITY AND
- ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL MEET THE REQUIREMENTS OF THE AUTHORIZED PUBLIC AGENCY OF JURISDICTION. AN EROSION CONTROL PERMIT MUST BE SECURED FROM OAKLAND COUNTY PRIOR TO CONSTRUCTION
- 4. REFER TO SOIL EROSION CONTROL PLAN FOR ADDITIONAL SOIL EROSION AND SEDIMENTATION CONTROL
- 5. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED OR SODDED IN ACCORDANCE WITH THE LANDSCAPE PLANS. PROVIDE A MINIMUM OF 3" OF TOPSOIL IN THESE AREAS UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL NOTE EXISTING UNDERGROUND UTILITIES WITHIN AND ADJACENT TO THE SITE. BACKFILL FOR EXISTING UTILITY TRENCHES SHALL BE EXAMINED CRITICALLY. ANY TRENCHES FOUND TO HAVE SOFT, UNSTABLE OR UNSUITABLE BACKFILL MATERIAL, IN THE OPINION OF THE THIRD PARTY TESTING COMPANY, THAT ARE TO BE WITHIN THE ZONE OF INFLUENCE OF PROPOSED BUILDINGS OR PAVEMENT SHALL BE COMPLETELY EXCAVATED AND BACKFILLED WITH SUITABLE MATERIAL.
- 7. ON-SITE FILL CAN BE USED IF THE SPECIFIED COMPACTION REQUIREMENTS CAN BE ACHIEVED. IF ON-SITE SOIL IS USED, IT SHOULD BE CLEAN AND FREE OF FROZEN SOIL, ORGANICS, OR OTHER DELETERIOUS
- THE FINAL SUBGRADE/EXISTING AGGREGATE BASE SHOULD BE THOROUGHLY PROOFROLLED USING A FULLY LOADED TANDEM AXLE TRUCK OR FRONT END LOADER UNDER THE OBSERVATION OF A GEOTECHNICAL/PAVEMENT ENGINEER. LOOSE OR YIELDING AREAS THAT CANNOT BE MECHANICALLY STABILIZED SHOULD BE REINFORCED USING GEOGRIDS OR REMOVED AND REPLACED WITH ENGINEERED FILL OR AS DICTATED BY FIELD CONDITIONS.
- SUBGRADE UNDERCUTTING, INCLUDING BACKFILLING SHALL BE PERFORMED TO REPLACE MATERIALS SUSCEPTIBLE TO FROST HEAVING AND UNSTABLE SOIL CONDITIONS. ANY EXCAVATIONS THAT MAY BE REQUIRED BELOW THE TOPSOIL IN FILL AREAS OR BELOW SUBGRADE IN CUT AREAS WILL BE CLASSIFIED AS SUBGRADE UNDERCUTTING.
- 10. SUBGRADE UNDERCUTTING SHALL BE PERFORMED WHERE NECESSARY AND THE EXCAVATED MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR. ANY SUBGRADE UNDERCUTTING SHALL BE BACKFILLED AS RECOMMENDED IN THE GEOTECHNICAL ENGINEERING REPORT FOR THE PROJECT.
- 11. ANY SUB-GRADE WATERING REQUIRED TO ACHIEVE REQUIRED DENSITY SHALL BE CONSIDERED INCIDENTAL

#### SOIL EROSION MAINTENANCE SCHEDULE AND NOTES:

- THE SOIL EROSION CONTROLS WILL BE MAINTAINED WEEKLY AND AFTER EVERY STORM EVENT BY:
- FRANK REWOLD & SONS 303 E. THIRD STREET
- SUITE 300 ROCHESTER, MI 48307 248.651.7242

MEASURES AND NOTES.

- 2. IF ANY DAMAGE HAS OCCURRED AS A RESULT OF STORM WATER DISCHARGE FROM THE SITE, THE FOLLOWING STEPS SHALL BE IMPLEMENTED.
- 3. ANY DEBRIS OR DIRT ON ANY PAVED AREA RESULTING FROM CONSTRUCTION TRAFFIC SHALL BE CLEANED IN A PROMPT MANNER BY THE CONTRACTOR. THE CONSTRUCTION DRIVE SHALL BE CLEANED AT THE ENDOFFACH DAY
- ALL DIRT AND MUD TRACKED ONTO PAVED AREAS SHALL BE REMOVED BY THE CONTRACTOR DAILY BY SCRAPING. STREET SWEEPING IS REQUIRED WEEKLY.
- SILT FENCE MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY BUILT UP SEDIMENT WHEN THE SEDIMENT HEIGHT ACCUMULATES TO 1/3 TO 1/2 OF THE HEIGHT OF THE FENCE. THE CONTRACTOR IS RESPONSIBLE TO REMOVE, REPLACE, RETRENCH OR REBACKFILL THE SILTATION FENCE SHOULD IT FALL OR BE DAMAGED DURING CONSTRUCTION.
- 5. INLET FILTER MAINTENANCE SHALL INCLUDE THE REMOVAL OF ANY ACCUMULATED SILT OR OTHER DEBRIS.
  THE REMOVAL OF SILT SHOULD BE WITH THE USE OF A STIFF BRISTLE BROOM OR SQUARE POINT SHOVEL.
  IF INLET FILTERS CAN NOT BE CLEANED OR ARE DAMAGED, THEN THE FABRIC MUST BE REPLACED.
- 7. CONTRACTOR SHALL PROVIDE WATER TRUCK TO WATER DOWN THE SITE ON A DAILY BASIS AS REQUIRED TO MAINTAIN DUST CONTROL
- 3. IF HIGH GROUNDWATER IS ANTICIPATED OR ENCOUNTERED DURING CONSTRUCTION A DEWATERING PLAN MUST BE SUBMITTED TO THE CITY ENGINEERING DIVISION FOR REVIEW.

## SOIL EROSION AND SEDIMENTATION CONTROL

SEQUENCE OF CONSTRUCTION

- SEE OAKLAND COUNTY W.R.C. SOIL EROSION AND SEDIMENTATION CONTROL DETAILS SHEET FOR ALL SOIL EROSION CONTROL RELATED DETAILS.
- 2. PLACE SILT FENCE & INSTALL INLET FILTERS ON EXISTING STORM SEWER STRUCTURES, ACCORDING TO PLANS.
- 3. INSTALL TEMPORARY CRUSHED CONCRETE ACCESS DRIVE AT ALL CONSTRUCTION ENTRANCES. (80'x24'x8" W/MINIMUM OF 1"-3" CRUSHED CONCRETE NO FINES).
- 4. REMOVE CURB, PAVEMENT, TREES, ETC. AS DIRECTED ON THE DEMOLITION PLAN.
- 5. STRIP AND STOCKPILE TOPSOIL FOR RESTORATION REQUIREMENTS.
- 6. DISPOSE OF ALL EXCESS, UNSUITABLE MATERIALS OFF SITE IN A LEGAL MANNER. NO BURN OR BURY PITS
- 7. UNSUITABLE MATERIALS CONSIST OF, BUT ARE NOT NECESSARILY LIMITED TO THE FOLLOWING: CONCRETE,
- ASPHALT, TREES, BRUSH, STUMPS, ROOTS, OR OTHER MISCELLANEOUS DEBRIS OR TRASH.

  8. MASS GRADE THE SITE IN ACCORDANCE WITH THE PLANS.
- 9. INSTALL SEED, MULCH AND EROSION CONTROL BLANKETS AS SHOWN ON THE PLAN WITHIN 5 DAYS OF COMPLETION OF MASS GRADING OR WHENEVER DISTURBED AREAS WILL REMAIN UNCHANGED FOR 30 DAYS OR GREATER. 3-4" TOPSOIL WILL BE USED WHERE VEGETATION IS REQUIRED.
- 10. COMPLETE ROUGH GRADING OF SITE AND INSTALL UTILITIES. PLACE INLET FILTERS AT ALL INLETS AND CATCH BASINS, AS SHOWN.
- 11. FINISH GRADE AND PAVE SITE AS PROPOSED TO DRAIN TO STORM SEWER SYSTEM. REPAIR INLET FILTERS AS REQUIRED.
- 12. APPLY TOPSOIL, SEED AND MULCH/SOD TO ALL DISTURBED AREAS UPON COMPLETION OF GRADING. THE CONTRACTOR SHALL STAGE CONSTRUCTION ACTIVITIES IN ORDER TO MINIMIZE THE EXPOSURE OF UNSTABILIZED AREAS.
- 13. CLEAN PAVEMENT AND STORM SEWERS. REMOVE SILT FENCE, AND INLET FILTERS ONCE VEGETATION HAS BEEN ESTABLISHED.
- 14. CLEAN DETENTION BASIN AND OVERFLOW SPILLWAYS AND REPAIR RIPRAP AS NECESSARY.
- 15. ALL DIRT AND MUD TRACKED ONTO PUBLIC ROADS SHALL BE REMOVED DAILY.

  16. STREET CATCH BASINS TO BE PERIODICALLY CLEANED AND FILTER CLOTH CHANGED AND MAINTAINED.

#### SEQUENCE OF CONSTRUCTION:

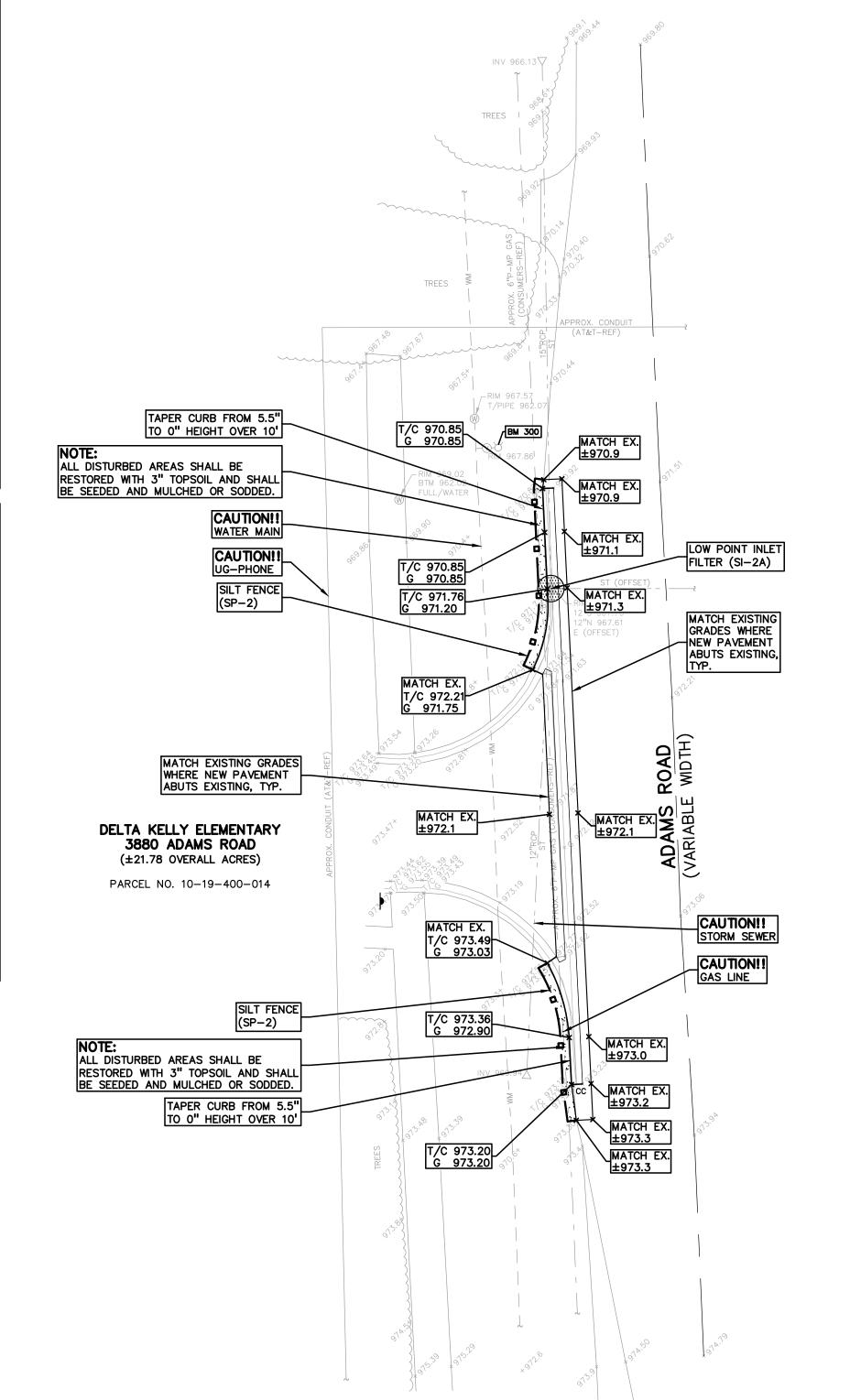
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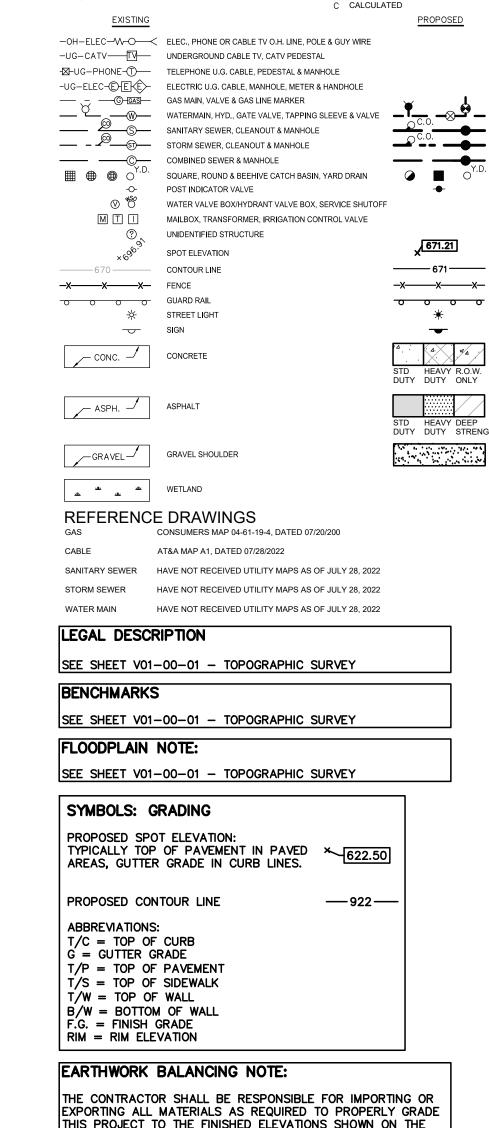
- 30 INSTALL TEMPORARY SOIL EROSION CONTROL MEASURES, SILT FENCES, INLET PROTECTION, ETC. AS NECESSARY.
- 1 30 MAINTAIN A 25' BUFFER OF VEGETATION AROUND PERIMETER OF SITE WHERE POSSIBLE.
- 1 2 REMOVE ALL VEGETATION, TREES AND BRUSH FROM THE PROPOSED CONSTRUCTION AREA UNLESS MARKED TO REMAIN. STRIP AND STOCKPILE TOPSOIL AS REQUIRED FOR RESTORATION.
- ALL STOCKPILES MUST BE GRADED AND SEEDED.

  2 5 REMOVE ALL PAVEMENT, CURB, UTILITIES, ETC. AS REQUIRED TO INSTALL THE PROPOSED WORK
- AS SHOWN ON THE TOPOGRAPHIC SURVEY AND DEMOLITION PLAN.

  10 DISPOSE OF ALL EXCESS/UNSUITABLE MATERIALS OFF SITE IN A LEGAL MANNER. NO ON—SITE
- BURN OR BURY PITS ALLOWED.

  10 15 ROUGH GRADE SITE. SEED AND MULCH BLANKETS MUST BE INSTALLED AS SHOWN WITHIN 5
- DAYS OF FINAL GRADE. REPAIR AND/OR RE-INSTALL ANY TEMPORARY SOIL EROSION CONTROL MEASURES THAT WERE DAMAGED DURING GRADING OPERATIONS.
- 5 20 TEMPORARY SEEDING MUST BE PROVIDED IN AREAS NOT TO BE WORKED ON FOR 15 DAYS OR LONGER.
- 20 22 FINE GRADE SITE AND PREPARE FOR SITE PAVING OPERATIONS.
- 22 28 INSTALL ALL PAVEMENT, SIDEWALKS, CURBING AS PROPOSED. IF PERMANENT LANDSCAPING IS NOT TO BE INSTALLED SOON AFTER PAVING IS COMPLETE, ALL AREAS WITHIN 20 FEET OF BACK OF CURB MUST BE TEMPORARILY SEEDED. REPAIR INLET PROTECTION, SILT FENCE AND ANY OTHER DAMAGED SOIL EROSION CONTROL MEASURES AS NECESSARY.
- 25 28 FINAL GRADE, REDISTRIBUTE STOCKPILED TOPSOIL, ESTABLISH VEGETATION AND INSTALL ALL PERMANENT LANDSCAPING IN ALL DISTURBED AREAS NOT BUILT.
  - 30 CLEAN PAVEMENT AND REMOVE ALL TEMPORARY SOIL EROSION CONTROL MEASURES. RE-ESTABLISH VEGETATION AS REQUIRED.
- 30 REMOVE SEDIMENTATION CONTROLS ONCE ENTIRE SITE HAS BEEN PERMANENTLY STABILIZED.





APPROVED PLANS. THE CONTRACTOR SHALL MAKE THEIR OWN

REMOVAL OF EXCESS OR IMPORTATION OF ADDITIONAL

REFER TO O.C.W.R.C. SOIL EROSION AND SEDIMENTATION CONTROL DETAILS SHEET FOR ALL DEVICE DETAILS.

MATERIAL AT NO ADDITIONAL COST TO THE OWNER.

SYMBOLS: EROSION CONTROL:

**EROSION CONTROL QUANTITIES:** 

SILT FENCE LOW POINT INLET FILTER

── □ ── (SP-2) SILT FENCE

DETERMINATION OF CUT AND FILL QUANTITIES AND ALLOW FOR

(SI-2A) LOW POINT INLET FILTER

TEMPORARY SEED AND MULCH

LEGEND

SEC. CORNER FOUND

R RECORDED

M MEASURED

■ BRASS PLUG SET

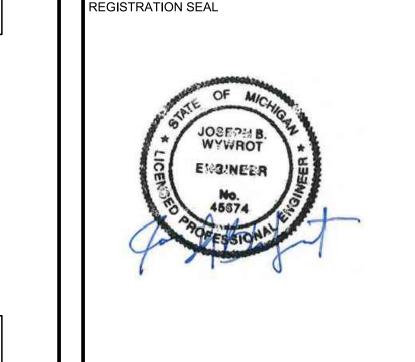
MONUMENT SET

MONUMENT FOUND

IRON FOUND

MAIL FOUND

Ø NAIL & CAP SET



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501 W UNIVERSITY DRIVE

ROCHESTER, MI 48307

248.726.3000

https://www.rochester.k12.mi.us

**DELTA KELLY** 

**DRIVE APPROACH** 

3880 ADAMS ROAD

OAKLAND CHARTER TWP, MI 48363

17101 MICHIGAN AVENUE

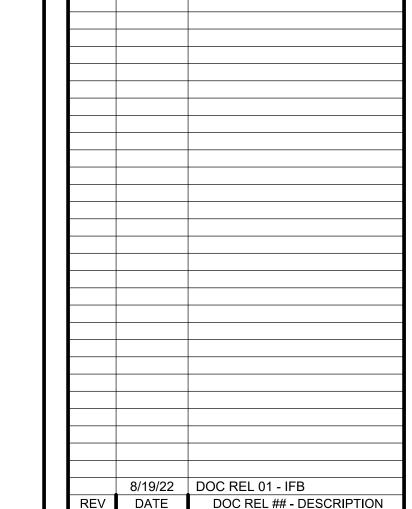
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**DEARBORN, MI 48126-2736 USA** 



PROJECT # 2164096

PROJECT MANAGER M. DURAND

DESIGNED BY T. DUMOND

DRAWN BY T. DUMOND

QUALCHECK T. DUMOND

SHEET TITLE

**GRADING & SESC PLAN** 

CS1-00-03

0 10 20 40 SCALE: 1" = 20' NORTH

)230 ROCHESTER SINKING FUND-THD\DWG\CONSTRUCTION\Delta K

JWYWROT

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