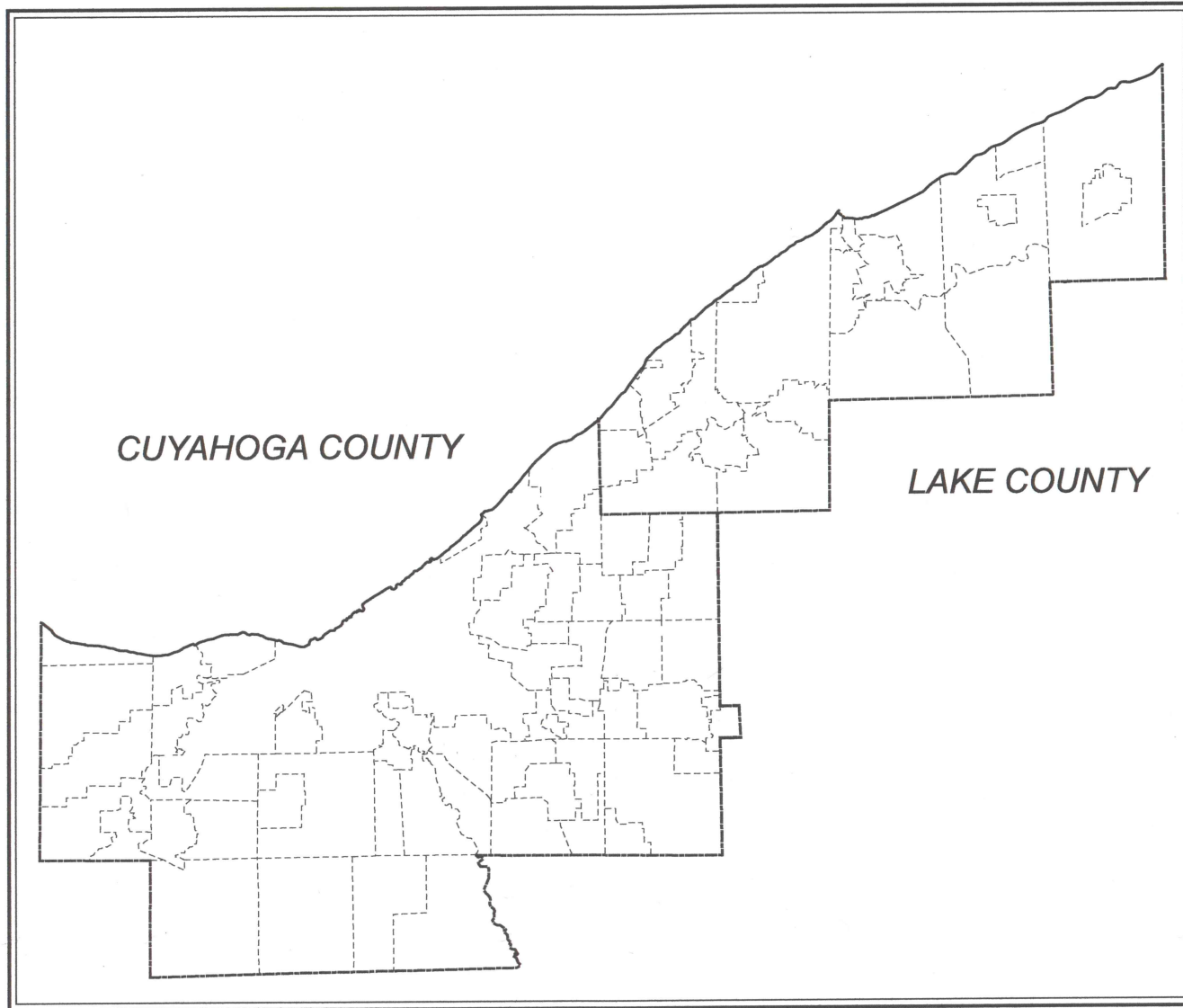


# STATE OF OHIO DEPARTMENT OF TRANSPORTATION

## CUY/LAK-SIGN-FY2022



**LOCATION MAP**  
LATITUDE: 41°25'05" LONGITUDE: 81°42'36"



**PROJECT DESCRIPTION**

THE WORK PROPOSED BY THIS PROJECT IS FOR SIGN REPLACEMENT AND SIGN SUPPORT MAINTENANCE IN DISTRICT 12.

**2019 SPECIFICATIONS**

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

**FEDERAL PROJECT NUMBER**

NON-FEDERAL

**RAILROAD INVOLVEMENT**

NONE

**INDEX OF SHEETS:**

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**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA: N/A  
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A  
NOTICE OF INTENT EARTH DISTURBED AREA: N/A

**UNDERGROUND UTILITIES**  
Contact Two Working Days Before You Dig

**OHIO811.org**  
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764  
(Non members must be called directly)

**ENGINEER'S SEAL:**

STATE OF OHIO

ERIC M. KALLIO

E-59990

REGISTERED PROFESSIONAL ENGINEER

SIGNED: *Eric M. Kallio*  
DATE: 12-14-2021

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
TC-12.31	1-21-22	MT-95.30	7-19-19	800	1-21-22
TC-15.116	7-16-21	MT-95.31	7-19-19	821	4-20-12
TC-21.11	7-16-21	MT-95.32	4-19-19	832	10-19-18
TC-22.20	1-17-14	MT-95.45	1-17-20	916	10-16-20
TC-51.11	1-15-16	MT-95.50	7-21-17	921	4-20-12
		MT-98.10	1-17-20		
		MT-98.11	1-17-20		
		MT-98.20	4-19-19		
		MT-98.22	1-17-20		
		MT-98.28	1-17-20		
		MT-98.29	1-17-20		
		MT-99.60	7-15-16		
		MT-105.10	1-17-20		

APPROVED \_\_\_\_\_  
DATE 12/17/21 DISTRICT DEPUTY DIRECTOR

APPROVED \_\_\_\_\_  
DATE \_\_\_\_\_ DIRECTOR, DEPARTMENT OF TRANSPORTATION

TITLE SHEET

DESIGN AGENCY



DESIGNER

FLK

REVIEWER

FLK 09/09/21

PROJECT ID

104839

SHEET TOTAL

P.1 50

CUY/LAK-SIGN-FY2022

MODEL: Sheet PAPER SIZE: 17x11(in.) DATE: 12/19/2021 TIME: 14:21:49 PM USER: fkonopa  
D:\OhioDOT\p-w\benhry.com\ohiodot-pw-02\Documents\01Active Projects\District 12\Cuyahoga\04839-400-Engineer\In\Roadway\Sheets\04839-GT001.dgn

**SCOPE OF WORK**

THE INTENT OF THIS CONTRACT IS TO PROVIDE FOR THE EXPEDITIOUS MAINTENANCE OF VARIOUS SIGN/SIGN SUPPORTS THROUGHOUT DISTRICT 12. THE VARIOUS TYPES OF WORK INCLUDE INSTALLING NEW OVERHEAD/GROUND MOUNTED SIGNS AND REPLACEMENT OF OVERHEAD SIGN SUPPORTS.

THE SIGN SUPPORTS NOTED IN THE PROJECT DESCRIPTION SHALL BE RESTORED AS NOTED IN THE PLANS AND STANDARD CONSTRUCTION DRAWINGS.

ALL WORK (FABRICATION / INSTALLATION) SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING MANUALS:

- 2019 CONSTRUCTION AND MATERIAL SPECIFICATIONS HANDBOOK** (WITH CURRENT REVISIONS)
- TRAFFIC ENGINEERING MANUAL** (WITH CURRENT REVISIONS)
- 2012 OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES** (WITH CURRENT REVISIONS)
- TRAFFIC CONTROL STANDARD CONSTRUCTION DRAWINGS** (WITH CURRENT REVISIONS)

ANY MATERIAL NOTED AS SUPPLIED OR STORED BY THE STATE, MUST BE OBTAINED BY THE CONTRACTOR AT THE WARRENSVILLE FULL SERVICE MAINTENANCE FACILITY LOCATED AT 25809 EMERY RD., WARRENSVILLE HTS. (ALONGSIDE I-271 AT SR-175). IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE MEN AND EQUIPMENT TO PICK UP AND TRANSPORT THE MATERIAL TO THE JOB SITE. THE CONTRACTOR SHALL GIVE THE WARRENSVILLE MAINTENANCE YARD A 48 HOUR NOTICE PRIOR TO PICK UP OF ANY MATERIAL.

**PROJECT DESCRIPTION**

THIS PROJECT IS INTENDED TO BE ALL ENCOMPASSING TO COMPLETE THE SPECIFIED ITEMS OF WORK NOTED IN THIS PLAN. ALL MATERIAL, LABOR AND OR SIGN REPAIR SHALL BE SUPPLIED BY THE CONTRACTOR UNLESS OTHERWISE NOTED IN THE PLAN.

**FIELD REVIEW**

PROSPECTIVE BIDDERS ARE EXPECTED TO FIELD REVIEW THE SIGN SUPPORT LOCATIONS PER CMS 102.05. THIS WILL PROPERLY ORIENT THE BIDDERS TO THE PROJECT.

THE AWARDED CONTRACTOR SHALL CONDUCT A FIELD REVIEW OF ALL OF THE SIGN SUPPORT LOCATIONS TO DOCUMENT THE WORK NECESSARY AND NEEDED AS NOTED IN THE PLAN.

**GENERAL**

WHENEVER ANY WORK IS PERFORMED ON THE PROJECT, OR IF WORK IS PERFORMED ON THE JOB SITE, THE ENGINEER SHALL BE NOTIFIED AT LEAST ONE WEEK PRIOR TO THE PROPOSED WORK SO INSPECTION SERVICES CAN BE SUPPLIED. AN ENGINEER OR INSPECTOR FROM DISTRICT 12 MUST BE PRESENT DURING ALL WORK. FIELD PROBLEMS THAT ARISE MUST BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.

**MATERIAL FOR REPAIR**

THE MATERIALS UTILIZED IN THE REPAIR OF THESE SUPPORTS SHALL HAVE STRENGTH CHARACTERISTICS EQUAL TO OR EXCEEDING THE ORIGINAL DESIGN. TO AID IN THIS REPAIR, REFERENCE TO DETAIL DRAWINGS IS ESSENTIAL. THEREFORE, DETAIL DRAWINGS RELATIVE TO

THE GENERAL NOTES, SIGN LOCATION, ELEVATIONS, ELECTRICAL DETAILS, AND STRUCTURAL DESIGNS ARE SUPPLIED.

REFERENCE TO THESE DRAWINGS ENSURES COMPLIANCE WITH STRENGTH CHARACTERISTICS ORIGINAL OR CURRENT DESIGNS. ANY DEVIATIONS WITHOUT PRIOR APPROVAL BY THE ENGINEER FROM THE AFORE MENTIONED DESIGN CRITERIA SHALL BE CAUSE FOR THE STOPPAGE OF WORK BY THE ENGINEER.

**COOPERATION BETWEEN CONTRACTORS**

IN SOME INSTANCES, THE CONTRACTOR FOR THIS CONTRACT MAY HAVE TO COORDINATE HIS WORK WITH OTHER CONTRACTORS WORKING ON INTERSTATE UPGRADING PROJECTS, BRIDGE REPAIR, ETC. IN THE IMMEDIATE AREA OF SOME SIGN SUPPORT LOCATIONS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR THIS CONTRACT TO COORDINATE HIS WORK SO AS NOT TO INTERFERE WITH EXISTING CONSTRUCTION PROJECTS AND MAKE SURE THAT HIS TRAFFIC CONTROL IS COMPATIBLE WITH THE TRAFFIC CONTROL FOR THESE PROJECTS. THE ENGINEER SHALL APPROVE ANY PROPOSED SOLUTIONS TO THE CONFLICT BETWEEN VARIOUS TRAFFIC CONTROL SETUPS.

**UNDERGROUND UTILITIES**

EXTREME CAUTION SHOULD BE EXERCISED WITH REGARDS TO EXISTING UNDERGROUND ELECTRICAL CONDUITS, CABLES AND STATE/PRIVATE UTILITIES IN GENERAL. BEFORE ANY EXCAVATION WORK IS TO BE PERFORMED. THE CONTRACTOR SHOULD NOTIFY THE DISTRICT 12 DEPARTMENT OF ROADWAY SERVICES (SEE BELOW) FOR LOCATIONS OF UNDERGROUND LIGHTING/POWER FEEDS AND DRAINAGE STRUCTURES THAT MAY BE COMPROMISED.

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. GO ONLINE AND VISIT **OHIO811.ORG** TWO (2) WORKING DAYS BEFORE YOU DIG.

OHIO DEPARTMENT OF TRANSPORTATION  
DEPARTMENT OF ROADWAY SERVICES

5500 TRANSPORTATION BLVD.  
GARFIELD HTS., OHIO 44125

- ATTN: KEITH HAMILTON (TRAFFIC ENGINEER)  
(216) 584-2220
- ATTN: DAVID NIMRICHTER (LIGHTING/TRAFFIC CIRCUITS)  
(216) 584-2296
- ATTN: JIM KUSNER (DRAINAGE)  
(216) 584-2193

**STAGING AREAS**

THERE ARE NO SPECIFIC AREAS GIVEN IN THE PLANS FOR THE CONTRACTOR TO USE AS A STAGING AREA(S). IF THE CONTRACTOR WANTS TO USE AN AREA(S) FOR STAGING, REGARDLESS IF IT FALLS WITHIN THE PROJECT LIMITS OR NOT, THE CONTRACTOR IS TO USE THE RIGHT OF WAY E-PERMITTING SYSTEM AT <https://odhcp.bemcorp.net/accounts/account/account> IN ORDER TO APPLY FOR A PERMIT PER SECTION 107.02 OF THE CMS. FOR SPECIFIC PERMITTING QUESTIONS, THE CONTRACTOR CAN CONTACT THE DISTRICT PERMITTING OFFICE, (MELVIN SAFFORD) AT 216-584-2137 OR AT [district12permits@dot.ohio.gov](mailto:district12permits@dot.ohio.gov).

DESIGN AGENCY



DESIGNER	FLK
REVIEWER	FLK 10/29/21
PROJECT ID	104839
SHEET	TOTAL
P.3	50

IF A PERMIT IS GRANTED, ALL CONDITIONS OF THE PERMIT SHALL BE MET IN ADDITION TO THE REQUIREMENTS OF 104.04 OF THE CMS, AT NO ADDITIONAL COST TO THE STATE. IF THE PROJECT ENGINEER DEEMS THAT ALL THE CONDITIONS OF THE PERMIT WERE NOT MET, THEN 10% OF THE CONTRACT BID AMOUNT FOR MOBILIZATION SHALL BE WITHHELD UNTIL ALL THE CONDITIONS OF THE PERMIT ARE SATISFIED.

**ESTIMATED QUANTITIES**

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR PLAN ITEMS SET UP TO BE USED "AS DIRECTED BY THE ENGINEER" OR AS "ESTIMATED" UNLESS AUTHORIZED BY THE ENGINEER.

**ITEM 630-OVERHEAD SIGN SUPPORT, TYPE TC-16.21, DESIGN 13, AS PER PLAN**

AN EXISTING RIGID OVERHEAD SIGN SUPPORT FOUNDATION BUILT PER SCD TC-21.20, DATED 7/21/17 IS LOCATED IN THE FIELD FOR LOCATION NO. 5. THE CONTRACTOR SHALL FIELD VERIFY THE BOLT CIRCLE OF THE FOUNDATION PRIOR TO FABRICATION OF THE SUPPORT. THE CONTRACTOR SHALL ALSO SUPPLY APPROPRIATE HARDWARE FOR FASTENING THE SUPPORT TO THE EXISTING FOUNDATION. THIS SUPPORT SHALL BE FABRICATED PER THE DETAILS ON SHEETS 49-50 OF THIS PLAN

IN ADDITION TO C.M.S. 630.06, THIS SIGN SUPPORT SHALL HAVE A WET OR DRY COATING APPLIED PER SUPPLEMENTAL SPECIFICATION 916. THE COLOR SHALL BE MEDIUM GREY (FEDERAL COLOR NO. 16440).

THE COATING OF THE SUPPORT(S) SHALL BE INCLUDED IN THE BID PRICE FOR OVERHEAD SIGN SUPPORT, TYPE TC-16.21, DESIGN 13, AS PER PLAN. THIS SUPPORT SHALL BE ITEMIZED AS COATING ONE (1) VERTICAL POLE AND ONE (1) ARM FOR A TOTAL OF **2 SUPPORT SECTIONS**.

**ITEM 630-OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 6, AS PER PLAN**

AN EXISTING PILASTER STYLE SIGN SUPPORT FOUNDATION BUILT INTO AN MSE WALL IS LOCATED IN THE FIELD FOR LOCATION NO. 4. THE CONTRACTOR SHALL FIELD VERIFY THE BOLT CIRCLE OF THE FOUNDATION PRIOR TO FABRICATION OF THE SUPPORT. THE CONTRACTOR SHALL ALSO SUPPLY APPROPRIATE HARDWARE FOR FASTENING THE SUPPORT TO THE EXISTING FOUNDATION. THIS SUPPORT SHALL BE FABRICATED PER THE DETAILS ON SHEETS 47-48 OF THIS PLAN

IN ADDITION TO C.M.S. 630.06, THIS SIGN SUPPORT SHALL HAVE A WET OR DRY COATING APPLIED PER SUPPLEMENTAL SPECIFICATION 916. THE COLOR SHALL BE MEDIUM GREY (FEDERAL COLOR NO. 16440).

THE COATING OF THE SUPPORT(S) SHALL BE INCLUDED IN THE BID PRICE FOR OVERHEAD SIGN SUPPORT, TYPE TC-12.30, DESIGN 6, AS PER PLAN. THIS SUPPORT SHALL BE ITEMIZED AS COATING ONE (1) VERTICAL POLE AND ONE (1) ARM FOR A TOTAL OF **2 SUPPORT SECTIONS**.

**ITEM 630-OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 6, AS PER PLAN**

IN ADDITION TO C.M.S. 630.06, THE SIGN SUPPORT AT LOCATION NO. 3 SHALL HAVE A WET OR DRY COATING APPLIED PER SUPPLEMENTAL SPECIFICATION 916. THE COLOR SHALL BE MEDIUM GREY (FEDERAL COLOR NO. 16440).

THE COATING OF THE SUPPORT(S) SHALL BE INCLUDED IN THE BID PRICE FOR OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 6, AS PER PLAN. THIS SUPPORT SHALL BE ITEMIZED AS COATING ONE (1) VERTICAL POLE AND ONE (1) ARM FOR A TOTAL OF **2 SUPPORT SECTIONS**.

**ITEM 630-OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 10, AS PER PLAN**

IN ADDITION TO C.M.S. 630.06, THE SIGN SUPPORT AT LOCATION NO. 9 SHALL HAVE A WET OR DRY COATING APPLIED PER SUPPLEMENTAL SPECIFICATION 916. THE COLOR SHALL BE MEDIUM GREY (FEDERAL COLOR NO. 16440).

THE COATING OF THE SUPPORT(S) SHALL BE INCLUDED IN THE BID PRICE FOR OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 10, AS PER PLAN. THIS SUPPORT SHALL BE ITEMIZED AS COATING ONE (1) VERTICAL POLE AND ONE (1) ARM FOR A TOTAL OF **2 SUPPORT SECTIONS**.

**ITEM 630-OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 1, AS PER PLAN**

IN ADDITION TO C.M.S. 630.06, THE SIGN SUPPORTS AT LOCATION NO. 8 SHALL HAVE A WET OR DRY COATING APPLIED PER SUPPLEMENTAL SPECIFICATION 916. THE COLOR SHALL BE MEDIUM GREY (FEDERAL COLOR NO. 16440).

THE COATING OF THE SUPPORT(S) SHALL BE INCLUDED IN THE BID PRICE FOR OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 1, AS PER PLAN. THIS SUPPORT SHALL BE ITEMIZED AS COATING TWO (2) END FRAMES AND ONE (1) BOX TRUSS FOR A TOTAL OF **3 SUPPORT SECTIONS**.

**SIGN ERECTED, EXTRUSHEET, AS PER PLAN**

THESE SIGNS ARE BEING STORED AT THE WARRENSVILLE FULL SERVICE MAINTENANCE FACILITY LOCATED AT 25809 EMERY RD., WARRENSVILLE HTS. (ALONGSIDE I-271 AT SR-175). IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE THE MEN AND EQUIPMENT TO PICK UP AND TRANSPORT THE MATERIAL TO EACH WORK LOCATION AS NOTED IN THE PLAN. THE CONTRACTOR SHALL GIVE THE WARRENSVILLE MAINTENANCE YARD A 48 HOUR NOTICE PRIOR TO PICK UP OF ANY MATERIAL.

**ITEM 630-REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL, AS PER PLAN**

ANY SUPPLEMENTAL SIGNS, NOT LIMITED TO THE EXIT PANEL, MOUNTED ON GUIDE SIGNS THAT ARE TO BE REMOVED AND DISPOSED OF ARE A PART OF THE MAIN GUIDE SIGN AND ARE NOT ITEMIZED FOR REMOVAL. THEY SHALL BE CONSIDERED INCIDENTAL TO THIS PAY ITEM.

**ITEM 630-REMOVAL MISCELLANEOUS: SIGN SUPPORT FOUNDATION**

REMOVE SIGN SUPPORT FOUNDATIONS PER C.M.S. 630.12 WHERE SUMMARIZED IN THE PLAN.

**INTERIM COMPLETION DATE**

THE INTERIM COMPLETION DATE FOR ALL WORK AT LOCATION NO.1 - REFERENCES S-3, S-4, S-8, S-9, S-11, S-13, S-14, S-20, S-21, S-28 AND LOCATION NO. 2 – REFERENCES S-1, S-7, S-9, S-11, S-16, S-17 SHALL BE **8-15-22**. UPON PROJECT AWARD, THE CONTRACTOR SHALL CONTACT FRANK KONOPKA, DISTRICT 12 ENGINEERING AT (216) 584-2105 FOR *SignCAD* DESIGN FILES TO EXPEDITE THE FACILITATION OF THE FABRICATION PROCESS OF THE EXTRUSHEET SIGNS AND ATTACHMENT ASSEMBLIES TO COMPLETE THE WORK BY THIS DATE.

GENERAL NOTES

