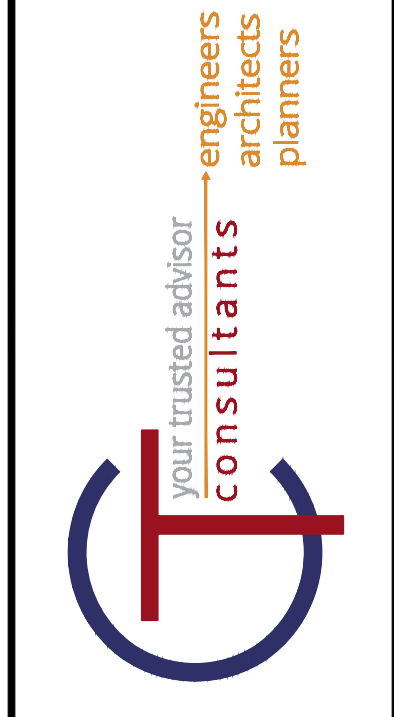
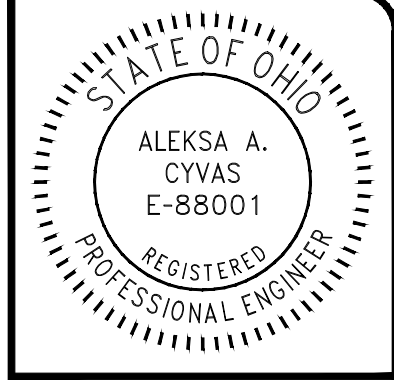


VILLAGE OF CHAGRIN FALLS

2024 ROAD

IMPROVEMENTS

CUYAHOGA COUNTY, OHIO



MEMBERS OF COUNCIL

- ANGELA DEBERNARDO PRESIDENT OF COUNCIL
- NANCY ROGOFF PRO PRESIDENT OF COUNCIL
- MICHAEL CORKRAN COUNCIL REPRESENTATIVE
- BRIAN DRUM COUNCIL REPRESENTATIVE
- ANDREW ROCKEY COUNCIL REPRESENTATIVE
- ERINN GRUBE COUNCIL REPRESENTATIVE
- DON GUTIERREZ COUNCIL REPRESENTATIVE

OFFICIALS

- WILLIAM TOMKO, MAYOR
- ROB JAMIESON, CHIEF ADMINISTRATIVE OFFICER
- ANGELA GERGYE, DIRECTOR OF FINANCE/CLERK OF COUNCIL
- DALE MARKOWITZ, LAW DIRECTOR
- GLENN ELLIOTT, UTILITIES SUPERINTENDENT
- JOHN BROCKWAY, SUPERINTENDENT OF STREETS
- TIM LANNON, PE, VILLAGE ENGINEER

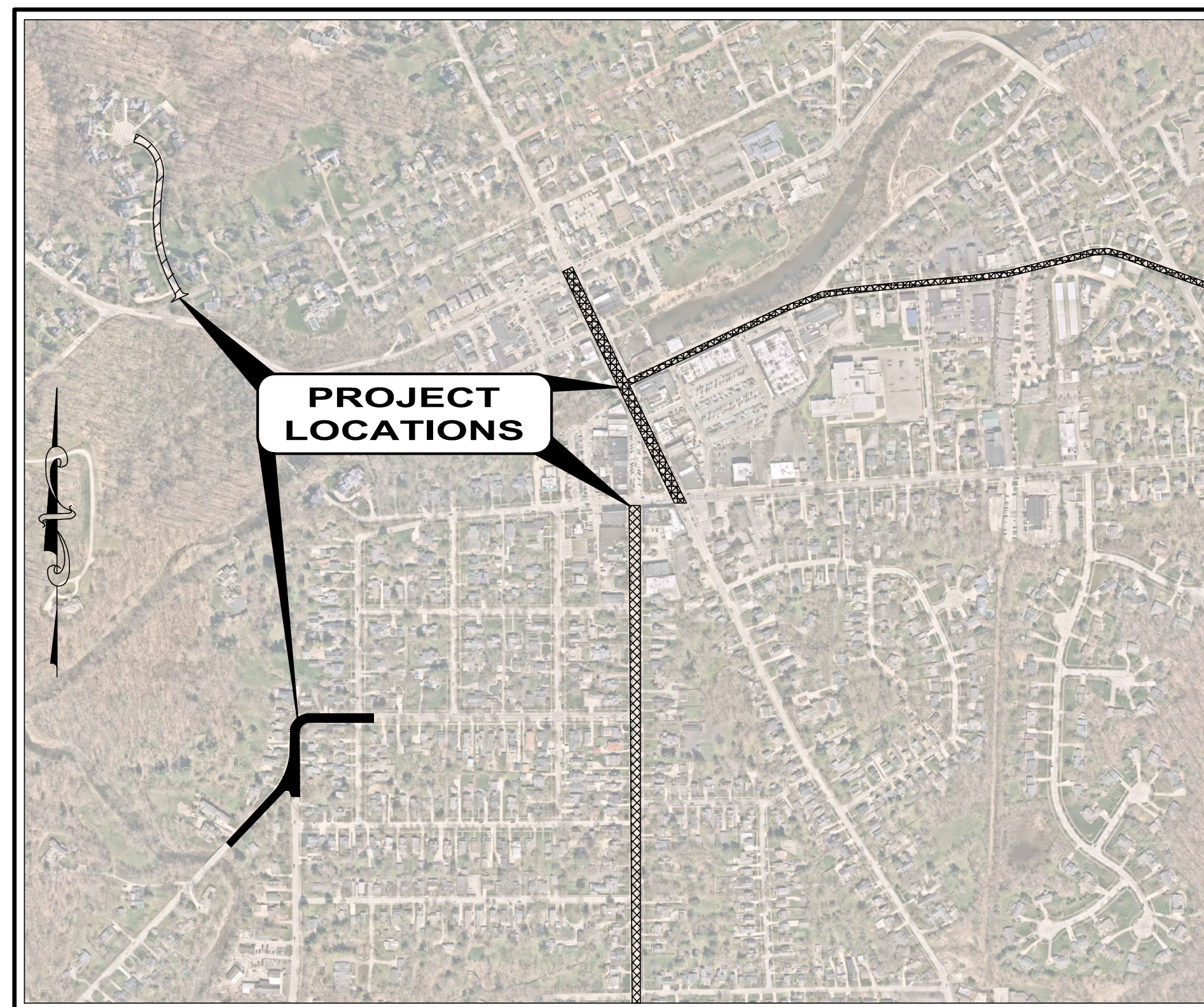
ENGINEER:

CT CONSULTANTS, INC.
8150 STERLING COURT
MENTOR, OHIO 44060

(440) 951-9000 PHONE
(440) 951-7487 FAX

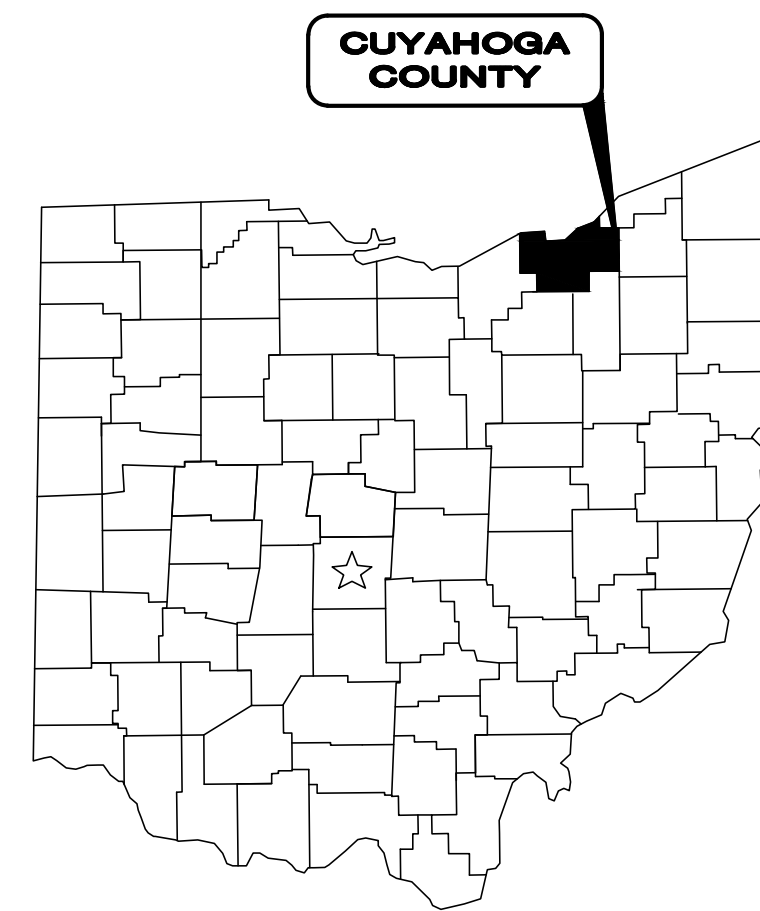
INDEX OF SHEETS	
SHEET TITLE:	SHEET NUMBER
COVER SHEET	01
GENERAL NOTES	02
PLAN SHEETS	03 - 04
DETAILS	05 - 08

AUG 2024



LOCATION MAP

1"=500'



1-800-362-2764

CALL TWO WORKING DAYS BEFORE YOU DIG
(NON MEMBERS MUST BE CALLED DIRECTLY)

1. THE SURVEY SHOWN ON THESE PLANS WAS OBSERVED IN THE FIELD FOR CONSTRUCTION PURPOSES ONLY AND MAY NOT BE SUITABLE FOR PROPERTY LINE SURVEYS OR ANY OTHER PURPOSE.
2. UNDERGROUND BUILDING SERVICE UTILITY LINES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, MAINTAINING AND REPLACING AS NECESSARY TO ENSURE CONTINUAL SERVICE TO BUILDINGS.
3. THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE @ 1-800-362-2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.

AA Cyvas

ALEKSA A. CYVAS, PE

P.E. No. 88001

08/14/2024
DATE



ENGINEER'S PROJECT No. 240255

NO	REVISION	DATE

CHAGRIN FALLS
2024 ROAD IMPROVEMENTS
 - VILLAGE OF CHAGRIN FALLS, OHIO -
COVER SHEET

PROJECT NO. 240255	
DISCIPLINE CIVIL	
SHEET NAME COVER	
SHEET 1	OF 8

GENERAL

A PRE-CONSTRUCTION CONFERENCE SCHEDULED BY THE ENGINEER SHALL BE HELD PRIOR TO ANY WORK STARTING. IN ADDITION, THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE TO THE ENGINEER AND THE VILLAGE PRIOR TO BEGINNING WORK TO ARRANGE FOR INSPECTION.

THE STANDARD SPECIFICATIONS OF THE OHIO DEPARTMENT OF TRANSPORTATION, LATEST EDITION, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS AND STANDARD DRAWINGS, SHALL GOVERN ALL WORK NOT COVERED BY THE SPECIFICATIONS. ALL WORK CONTEMPLATED SHALL BE GOVERNED BY THE RULES, REGULATIONS AND SPECIFICATIONS OF THE VILLAGE OF CHAGRIN FALLS.

ALL WORK COMPLETED UNDER THIS CONTRACT SHALL COMPLY WITH THE U.S. DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.

ANY DEFECT IN MATERIAL OR WORKMANSHIP REVEALED BY INSPECTION MUST BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE VILLAGE AND TO THE FULL SATISFACTION OF THE VILLAGE AND ENGINEER BEFORE ACCEPTANCE OF THE WORK AND RELEASE OF FINAL ESTIMATE AND PAYMENT THEREOF.

MANHOLES, CATCH BASINS, MONUMENT BOXES, WATER VALVE BOXES AND OTHER CASTINGS WILL BE RAISED OR LOWERED FLUSH WITH THE NEW SURFACE. ANY METER OR VALVE BOX ENCOUNTERED WITHIN THE WORK SITE SHALL BE EXPOSED. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS OF WORK EXCEPT WHEN BID AS A SEPARATE ITEM.

BEFORE THE VILLAGE WILL APPROVE AND ACCEPT THE WORK AND RELEASE THE GUARANTY RETAINER, THE CONTRACTOR SHALL FURNISH THE VILLAGE A WRITTEN REPORT INDICATING THE RESOLUTION OF ANY AND ALL PROPERTY DAMAGE CLAIMS FILED WITH THE CONTRACTOR BY ANY PARTY DURING THE CONSTRUCTION PERIOD. THE INFORMATION TO BE SUPPLIED SHALL INCLUDE, BUT NOT BE LIMITED TO, NAME OF CLAIMANT, DATE FILED WITH CONTRACTOR, NAME OF INSURANCE COMPANY AND/OR ADJUSTER HANDLING CLAIM, HOW CLAIM WAS RESOLVED AND IF CLAIM WAS NOT RESOLVED FOR THE FULL AMOUNT, A STATEMENT INDICATING THE REASON FOR SUCH ACTION.

MATERIAL SPECIFICATIONS CALLED FOR ON THE PLANS REPRESENT THE MINIMUM REQUIRED FOR EACH APPLICATION. THE OWNER MAY REQUEST OR THE CONTRACTOR MAY DESIRE TO SUBSTITUTE ALTERNATE MATERIALS. ANY SUCH SUBSTITUTIONS MUST BE EQUIVALENT IN QUALITY TO THE MATERIAL CALLED FOR AND MUST BE APPROVED IN WRITING BY THE ENGINEER.

THE CONTRACTOR SHALL REMOVE AND REPLACE ALL MAILBOXES, TRAFFIC SIGNS, ETC. AS REQUIRED FOR CONSTRUCTION.

TRAFFIC CONTROL

ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH LATEST EDITION OF THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".

THE CONTRACTOR SHALL SUBMIT A PROPOSED TRAFFIC CONTROL PLAN FOR REVIEW AND ACCEPTANCE BY THE VILLAGE PRIOR TO BEGINNING WORK AND SHALL NOTIFY SAFETY SERVICES OF ANY TRAFFIC DISRUPTIONS.

NO CHANGE IN TRAFFIC PATTERN SHALL BE MADE WITHOUT PRIOR NOTIFICATIONS TO THE TRAFFIC CONTROL OFFICER TWENTY-FOUR (24) HOUR ADVANCE SHALL BE GIVEN TO THE CHAGRIN FALLS POLICE DEPARTMENT AND MR. ROB JAMESON AT (440) 247-5053.

MATERIAL TESTING AND PERMITS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL MATERIAL AND EQUIPMENT TESTING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED FOR THIS PROJECT. THE EXECUTED PROJECT CONTRACT SHALL SERVE TO FULFILL THE VILLAGE OF CHAGRIN FALLS'S PERMITTING REQUIREMENTS.

CLEARING AND GRUBBING

ALL TREES, STUMPS, ROOTS AND DEBRIS REMOVED FROM THE WORK LIMITS SHALL BE DISPOSED OF BY THE CONTRACTOR OFF-SITE AT A LOCATION ACCEPTABLE TO THE ENGINEER.

UTILITIES

THE LOCATION OF ALL EXISTING UTILITY FACILITIES ARE SHOWN ON THE PLANS FROM DATA AVAILABLE AT THE TIME OF THE FIELD SURVEY IN ACCORDANCE WITH SECTION 153.64 OF THE OHIO REVISED CODE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF THE EXISTING UTILITY OWNERS AND UTILITY PROTECTION SERVICE LISTED BELOW IN ACCORDANCE WITH SECTION 154.64 OF THE ORC AND AS OUTLINED IN THE PROJECT SPECIFICATIONS.

THE UTILITY OWNERSHIPS ARE AS FOLLOWS:

- | | |
|--|--|
| 1. AT&T | 4. EVERSTREAM SOLUTIONS |
| 2. CHARTER COMMUNICATIONS (SPECTRUM / TIME WARNER CABLE) | 5. THE ILLUMINATING CO. |
| 3. ENBRIDGE GAS OHIO (FORMALLY DOMINION ENERGY OHIO) | 6. VILLAGE OF CHAGRIN FALLS [WATER/SEWERS] |

THE OWNER OF THE UNDERGROUND UTILITY FACILITY SHALL, WITHIN 48 HOURS, EXCLUDING SATURDAY, SUNDAYS AND LEGAL HOLIDAYS, AFTER NOTICE IS RECEIVED, STAKE, MARK OR OTHERWISE DESIGNATE THE LOCATION OF THE UNDERGROUND UTILITY FACILITIES IN THE CONSTRUCTION AREA IN SUCH A MANNER AS TO INDICATE THEIR COURSE TOGETHER WITH THE APPROXIMATE DEPTH AT WHICH THEY WERE INSTALLED. THE MARKING OR LOCATING SHALL BE COORDINATED TO STAY APPROXIMATELY TWO (2) DAYS AHEAD OF THE PLANNED CONSTRUCTION.

EXISTING WATER MAIN FACILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VALVE BOX AND ALL OTHER WATER MAIN APPURTENANCE ADJUSTMENTS TO GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH CHAGRIN FALLS SO THAT COMPLETION OF HIS WORK IS NOT DELAYED BY VILLAGE WORK. THE CONTRACTOR SHALL NOTIFY THE VILLAGE'S UTILITIES DEPARTMENT AT LEAST 48 HOURS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THEIR SYSTEM. ANY LONG SIDE WATER SERVICE CONNECTIONS THE CONTRACTOR COMES ACROSS SHALL BE HANDLED IN A WAY NOT TO DAMAGE THE EXISTING SERVICE. ANY DAMAGE TO THE SERVICE SHALL BE REPAIRED BY THE CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER.

SUBSURFACE INVESTIGATIONS

IT IS THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO MAKE HIS OWN INVESTIGATION OF SUBSURFACE CONDITIONS PRIOR TO SUBMITTING HIS PROPOSAL.

CONTRACTORS RESPONSIBILITY FOR UTILITY PROPERTY AND SERVICES

AT POINTS WHERE THE CONTRACTOR'S OPERATIONS ARE ADJACENT TO PROPERTIES OF TELEPHONE, CABLE, AND POWER COMPANIES, OR ARE ADJACENT TO OTHER PROPERTY, DAMAGE TO WHICH MIGHT RESULT IN CONSIDERABLE EXPENSE, LOSS, OR INCONVENIENCE, WORK SHALL NOT BE COMMENCED UNTIL ALL ARRANGEMENTS NECESSARY FOR THE PROTECTION THEREOF HAVE BEEN MADE.

THE CONTRACTOR SHALL COOPERATE WITH THE OWNERS OF ANY UNDERGROUND OR OVERHEAD UTILITY LINES IN THEIR REMOVAL AND REARRANGEMENT OPERATIONS IN ORDER THAT THESE OPERATIONS MAY PROGRESS IN A REASONABLE MANNER, THAT DUPLICATION OF REARRANGEMENT WORK MAY BE REDUCED TO A MINIMUM, AND THAT SERVICES RENDERED BY THOSE PARTIES WILL NOT BE UNNECESSARILY INTERRUPTED.

IN THE EVENT OF INTERRUPTION TO UNDERGROUND OR OVERHEAD UTILITY SERVICES AS A RESULT OF ACCIDENTAL BREAKAGE OR AS A RESULT OF BEING EXPOSED OR UNSUPPORTED, THE CONTRACTOR SHALL IMMEDIATELY ALERT THE OCCUPANTS OF NEARBY PREMISES AS TO ANY EMERGENCY AND/OR INTERRUPTION OF SERVICE THAT THE CONTRACTOR MAY CREATE OR DISCOVER AT OR NEAR SUCH PREMISES. THE CONTRACTOR SHALL THEN NOTIFY THE ENGINEER AND THE OWNER OR OPERATOR OF THE UTILITY FACILITY OF THE DISRUPTION AND SHALL COOPERATE WITH SAID UTILITY OWNER OR OPERATOR IN THE RESTORATION OF SERVICE. IF WATER SERVICE IS INTERRUPTED, REPAIR WORK SHALL BE CONTINUOUS UNTIL THE SERVICE IS RESTORED. NO WORK SHALL BE UNDERTAKEN AROUND FIRE HYDRANTS UNTIL PROVISIONS FOR CONTINUED SERVICE HAVE BEEN APPROVED BY THE LOCAL FIRE AUTHORITY.

PROTECTION AND RESTORATION OF PROPERTY

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL PUBLIC AND PRIVATE PROPERTY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGE OR INJURY TO PROPERTY AND/OR PERSONS DURING THE PROSECUTION OF THE WORK, RESULTING FROM ANY ACT, OMISSION, NEGLIGENCE OR MISCONDUCT IN HIS MANNER OR METHOD OF EXECUTING THE WORK, OR AT ANY TIME DUE TO DEFECTIVE WORK OR MATERIALS, AND SAID RESPONSIBILITY WILL NOT BE RELEASED UNTIL THE PROJECT SHALL HAVE BEEN COMPLETED AND ACCEPTED.

DUST NUISANCE ORIGINATING FROM ANY OF THE CONTRACTOR'S OPERATIONS EITHER INSIDE OR OUTSIDE THE RIGHT-OF-WAY SHALL BE CONTROLLED BY THE CONTRACTOR IN ACCORDANCE WITH LOCAL ORDINANCES AND REGULATIONS AT THE SOLE EXPENSE OF THE CONTRACTOR.

WHEN OR WHERE ANY DIRECT OR INDIRECT DAMAGE OR INJURY IS DONE TO PUBLIC OR PRIVATE PROPERTY BY OR ON ACCOUNT OF ANY ACT, OMISSION, NEGLIGENCE OR MISCONDUCT IN THE EXECUTION OF THE WORK, OR IN CONSEQUENCE OF THE NONEXECUTION THEREOF BY THE CONTRACTOR, HE SHALL RESTORE, AT HIS OWN EXPENSE, SUCH PROPERTY TO A CONDITION SIMILAR OR EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE OR INJURY WAS DONE BY REPAIRING, REBUILDING OR OTHERWISE RESTORING AS MAY BE DIRECTED, OR SHALL MAKE GOOD SUCH DAMAGE OR INJURY IN AN ACCEPTABLE MANNER.

WHEN MAIL BOXES, ROAD OR STREET NAME SIGNS AND SUPPORTS INTERFERE WITH CONSTRUCTION, THE CONTRACTOR SHALL REMOVE AND REERECT THEM IN A TEMPORARY LOCATION DURING CONSTRUCTION IN A MANNER SATISFACTORY TO AND AS DIRECTED BY THE ENGINEER. AFTER COMPLETION OF THE CONSTRUCTION AND BEFORE FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL ERECT THE MAIL BOXES, ROAD OR STREET NAME SIGNS AND SUPPORTS IN THEIR ORIGINAL LOCATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR SPECIAL - MAILBOX, TEMPORARY RELOCATION AND PERMANENT INSTALLATION.

USE OF PRIVATE PROPERTY

THE CONTRACTOR CAN USE PRIVATE PROPERTY FOR THE STORAGE OF EQUIPMENT AND MATERIALS ONLY WITH A WRITTEN AGREEMENT WITH THE PROPERTY OWNER. THE CONTRACTOR SHALL PROVIDE THIS AGREEMENT TO THE ENGINEER PRIOR TO ANY USE OF PRIVATE PROPERTY.

REMOVAL ITEMS

ALL ITEMS NOTED ON THE PLANS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN AN APPROPRIATE MANNER BY THE CONTRACTOR UNLESS OTHERWISE NOTED.

PROPERTY PINS AND MONUMENTS

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EMPLOY A REGISTERED SURVEYOR TO LOCATE, RECORD, AND MARK ALL EXISTING MONUMENTS AND PROPERTY CORNERS WITHIN THE CONSTRUCTION LIMITS OF THE PROPOSED WORK AREA. A LISTING OF THE PINS AND MONUMENTS SHALL BE SUPPLIED TO THE VILLAGE ENGINEER PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALL PINS AND MONUMENTS DURING CONSTRUCTION. IF PINS AND MONUMENTS ARE DISTURBED DURING CONSTRUCTION, THE CONTRACTOR SHALL HAVE THEM REPLACED BY THE REGISTERED SURVEYOR AT NO ADDITIONAL COST TO THE VILLAGE.

VEGETATION/TREE PROTECTION

ANY EXTENSIVE LANDSCAPING DISTURBED BY CONSTRUCTION WORK SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE VILLAGE.

TREE REMOVAL SHALL BE LIMITED TO THAT NECESSARY FOR CONSTRUCTION AND WILL BE LIMITED TO THE ROAD RIGHT-OF-WAY AND EASEMENTS.

NO TREE REMOVAL WILL BE PERMITTED WITHOUT PERMISSION OF THE ENGINEER AND THE PROPERTY OWNER.

TREES WHICH ARE NOT REMOVED WILL BE PROTECTED BY ENSURING THAT TREES TO BE REMOVED ARE FELLED SO AS NOT TO INJURE THE REMAINING TREES.

AT NO TIME SHALL SOIL, CONSTRUCTION EQUIPMENT OR OTHER MATERIAL BE STORED NEXT TO OR WITHIN THE DRIP-LINE OF TREES.

SIDEWALK AND ROADWAY PAVEMENT INSTALLATION

IT IS THE DESIRE OF THE VILLAGE OF CHAGRIN FALLS TO HAVE THE CONTRACT WORK PROCEED IN AN ORDERLY AND EFFICIENT MANNER IN ORDER TO KEEP THE DISRUPTION TO THE RESIDENTS TO A MINIMUM ONCE PAVEMENT DEMOLITION COMMENCES. THE CONTRACTOR IS REQUIRED TO PREPARE AND IMPLEMENT A WORK PHASING PLAN APPROVED BY THE VILLAGE TO KEEP INTERRUPTIONS TO DRIVEWAY ACCESS TO A MINIMUM. ONCE PAVEMENT DEMOLITION COMMENCES, PERMANENT ACCESS TO DRIVEWAYS SHALL BE RESTORED WITHIN 10 DAYS OR AS APPROVED BY VILLAGE.

RESIDENTS SHALL BE NOTIFIED OF CONSTRUCTION COMMENCEMENT DATE AND INTERRUPTIONS TO DRIVEWAY ACCESS A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION.

ALL PAVEMENT INSTALLATION SHOULD BE CONDUCTED UNDER SUITABLE WEATHER CONDITIONS. THE ENGINEER SHALL BE NOTIFIED IN ADVANCE OF ANY PROPOSED PAVEMENT INSTALLATION TO DETERMINE THE SUITABILITY OF WEATHER CONDITIONS FOR PAVEMENT INSTALLATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL ROADWAYS AND DRIVES PRIOR TO FINAL INSTALLATION. THE COST OF ANY TEMPORARY SURFACE MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE ITEM OF WORK.

GARBAGE COLLECTION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE TRANSFER OF ALL GARBAGE, GARBAGE CANS, AND RECYCLE BINS FROM DRIVEWAYS WITHIN THE CONSTRUCTION ZONE TO THE OPPOSITE SIDE OF THE ROADWAY. ONCE THE GARBAGE AND RECYCLABLE MATERIALS HAVE BEEN COLLECTED, ALL GARBAGE CANS AND RECYCLE BINS SHALL BE RETURNED TO THE APPROPRIATE DRIVEWAYS AND OUTSIDE OF THE CONSTRUCTION LIMITS, OR AS DIRECTED BY THE ENGINEER. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC.

MATERIAL SPECIFICATIONS

MATERIAL SPECIFICATIONS CALLED FOR ON THE PLANS REPRESENT THE MINIMUM REQUIRED FOR EACH APPLICATION. THE OWNER MAY REQUEST OR THE CONTRACTOR MAY DESIRE TO SUBSTITUTE ALTERNATE MATERIALS. ANY SUCH SUBSTITUTIONS MUST BE EQUIVALENT IN QUALITY TO THE MATERIAL CALLED FOR AND MUST BE APPROVED IN WRITING BY THE APPROVING AGENCIES AND THE ENGINEER.

****CONTRACTOR TO VISIT SITE PRIOR TO PLACING BID****

CONTRACTORS PLACING BID ON PROJECT SHALL VISIT THE SITE PRIOR TO PLACING BID AND BECOME AWARE OF THE DISTURBANCES AND ACCEPT THE SITE AS IS PRIOR TO SUBMITTING THEIR BID. NO EXTRA PAYMENT WILL BE MADE FOR A CHANGE IN CONDITIONS CLAIM.

EROSION AND DUST CONTROL

THE CONTRACTOR SHALL REMOVE DAILY ALL MUD, SOIL AND DEBRIS THAT MAY BE TRACKED ONTO EXISTING STREETS OR DRIVES BY HIS EQUIPMENT OR THAT OF SUBCONTRACTORS OR SUPPLIERS.

ALL MATERIALS TO BE DISPOSED OF OFF-SITE MUST BE DISPOSED OF IN AN ENVIRONMENTALLY SOUND MANNER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. NO EXCESS MATERIALS ARE TO BE DISPOSED OF IN ANY WETLAND, FLOOD PLAIN OR OTHER ENVIRONMENTALLY SENSITIVE AREA.

EROSION CONTROL MEASURES AT THE DISPOSAL SITE MUST BE INSTALLED AND MAINTAINED UNTIL DISPOSAL IS COMPLETE AND THE DISPOSAL SITE IS PERMANENTLY STABILIZED.

PROHIBITED CONSTRUCTION ACTIVITIES

DISPOSING OF EXCESS OR UNSUITABLE EXCAVATED MATERIAL IN WETLANDS OR FLOOD PLAINS, EVEN WITH THE PERMISSION OF THE PROPERTY OWNER.

LOCATING STOCKPILE STORAGE AREAS IN ENVIRONMENTALLY SENSITIVE AREAS.

DAMAGING VEGETATION OUTSIDE OF THE CONSTRUCTION AREA.

DISPOSING OF TREES, BRUSH AND OTHER DEBRIS IN ANY STREAM CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS OR AT UNSPECIFIED LOCATIONS.

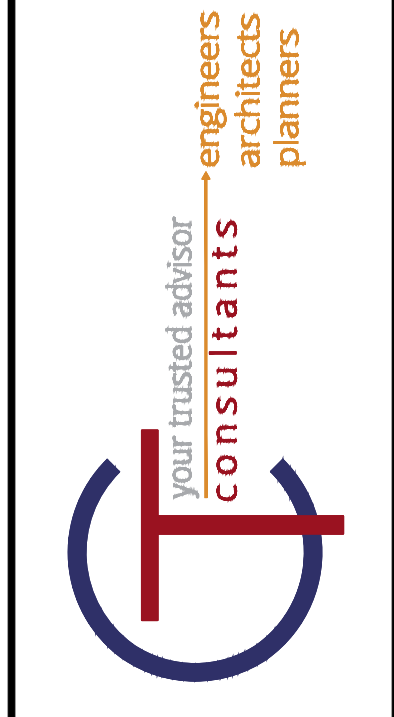
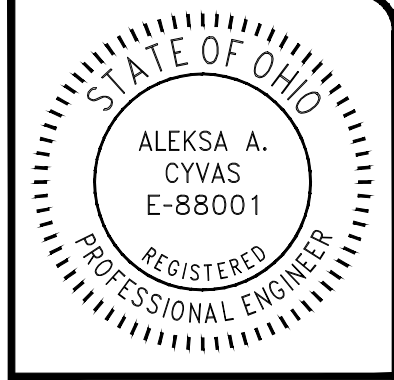
CLOSING OFF CLEAR ACCESS TO ANY PUBLIC ALLEY, STREET, ROAD, AVENUE OR BOULEVARD WITHOUT THE PRIOR CONSENT OF MUNICIPAL OFFICIALS AND THE ENGINEER, AND CLOSING CLEAR ACCESS: BY FIRE PROTECTION AND EMERGENCY VEHICLES; BY THE PUBLIC TO ANY COMMERCIAL OR PROFESSIONAL PLACE OF BUSINESS, QUASI-PUBLIC OR PUBLIC ESTABLISHMENT, OR PLACE OF RESIDENCE; OR BY VEHICLES TO DRIVEWAYS WITHOUT THE PROVISION OF ALTERNATIVE MEANS OF BUILDING INGRESS AND EGRESS.

EXCESS EXCAVATION

ALL EXCESS EXCAVATION SHALL BE DISPOSED OF IN A LOCATION TO BE SELECTED BY THE CONTRACTOR. THE CONTRACTOR MUST OBTAIN A PERMIT FROM THE VILLAGE OF CHAGRIN FALLS IF THE MATERIAL IS TO BE DISPOSED OF WITHIN THE VILLAGE LIMITS.

AIR/NOISE CONTROL

CONSTRUCTION ACTIVITIES WILL BE LIMITED FROM 7 AM TO 7 PM, UNLESS APPROVED IN ADVANCE BY THE VILLAGE.



ISSUED FOR:	BID	NO	REVISION	DATE
ISSUE DATE:	AUG 2024			
SCALE:	AS SHOWN			
DESIGNED BY:	AAC			
DRAWN BY:	AAC			
CHECKED BY:	DB			

**CHAGRIN FALLS
2024 ROAD IMPROVEMENTS**
- VILLAGE OF CHAGRIN FALLS, OHIO -

GENERAL NOTES

PROJECT NO. 240255	
DISCIPLINE CIVIL	
SHEET NAME NOTES	
SHEET 2	OF 8



LEGEND

 JOINT REPAIR AREA

8" NON-REINFORCED FIBERIZED MESH CONCRETE PAVEMENT, CLASS QC MS
4" ODOT 304,

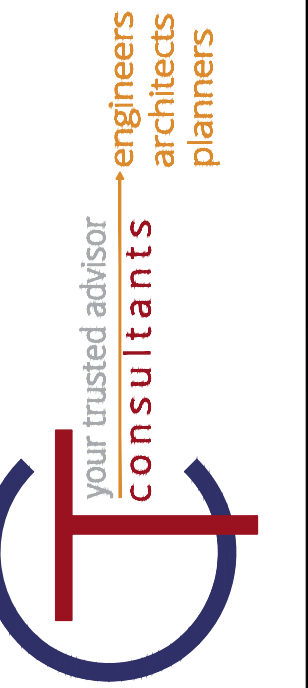
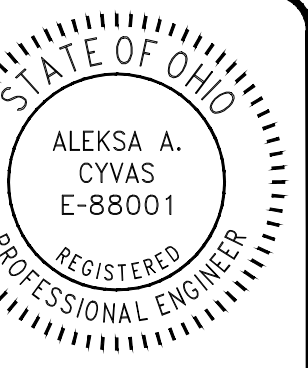
 INLET PROTECTION

NOTE:

PAVEMENT SHALL MATCH EXISTING GRADES AND SHALL BE ADEQUATELY SLOPED TO CURB INLET.

SEE LONGITUDINAL BUTT JOINT DETAILS FOR REQUIREMENTS AT JOINTS.

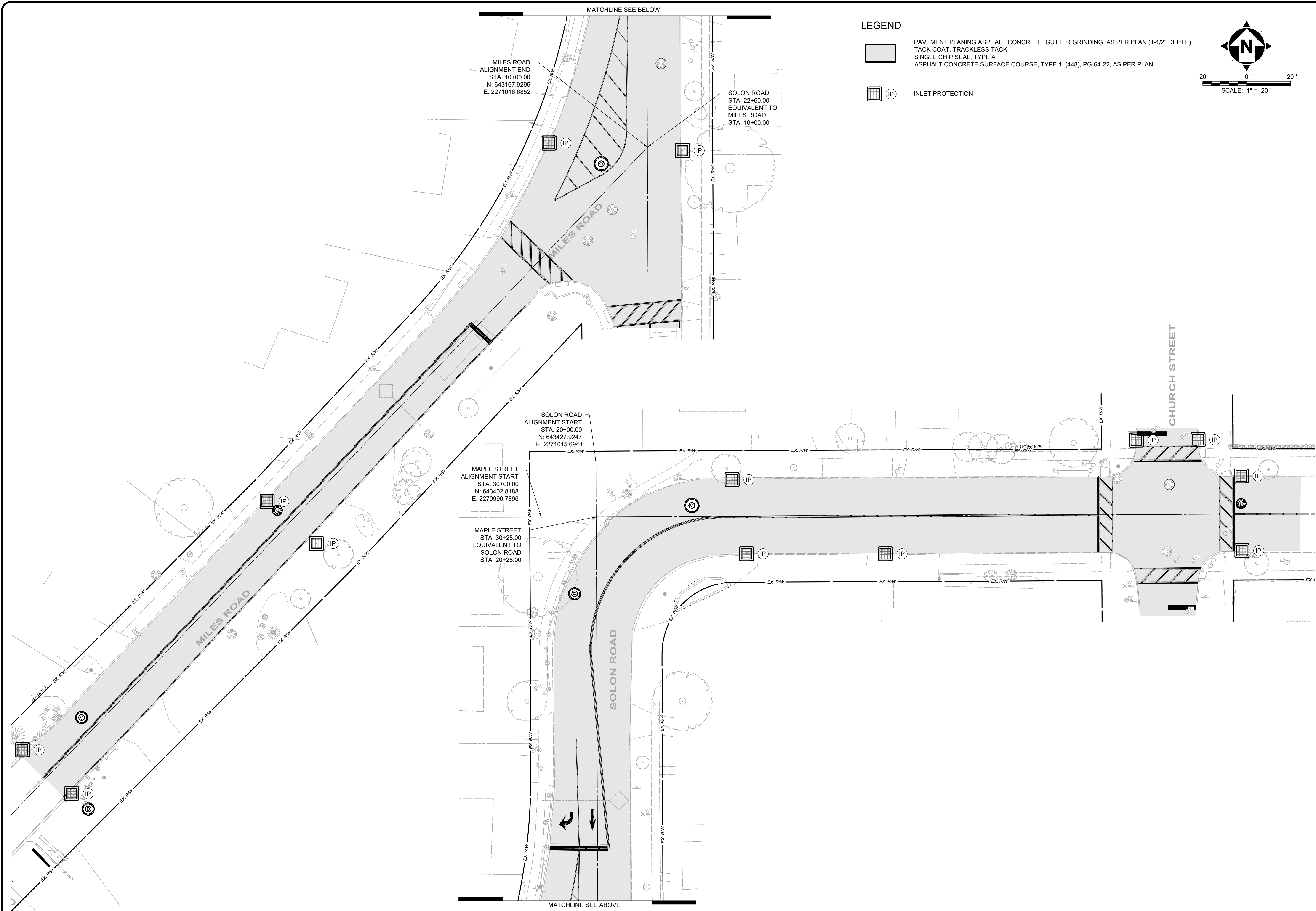
CONCRETE CURB REPLACEMENT, FIBER, AND MESH TO BE INCLUDED IN THE COST OF THE REINFORCED CONCRETE PAVEMENT.



ISSUED FOR:	BID NO	REVISION	DATE
ISSUE DATE: AUG 2024			
SCALE: AS SHOWN			
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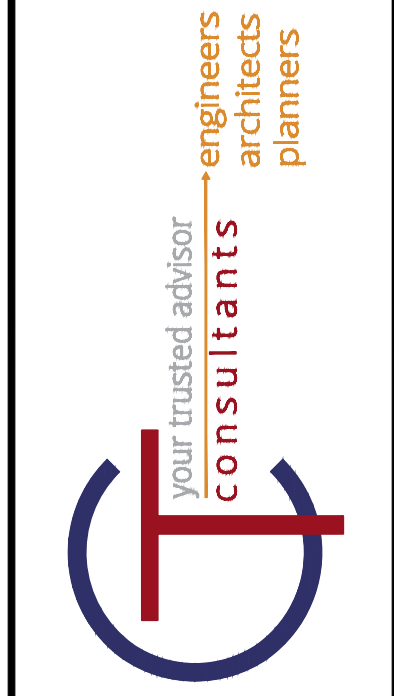
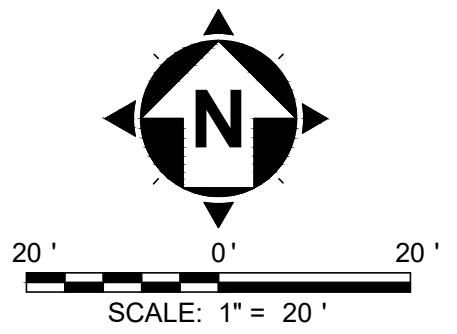
CHAGRIN FALLS
2024 ROAD IMPROVEMENTS
 - VILLAGE OF CHAGRIN FALLS, OHIO -
PART A
SOLEOTHER LANE IMPROVEMENTS

PROJECT NO. 240255	
DISCIPLINE CIVIL	
SHEET NAME	
SHEET 3	OF 8



LEGEND

- PAVEMENT PLANING ASPHALT CONCRETE, GUTTER GRINDING, AS PER PLAN (1-1/2" DEPTH)
TACK COAT, TRACKLESS TACK
SINGLE CHIP SEAL, TYPE A
ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG-64-22, AS PER PLAN
- IP INLET PROTECTION



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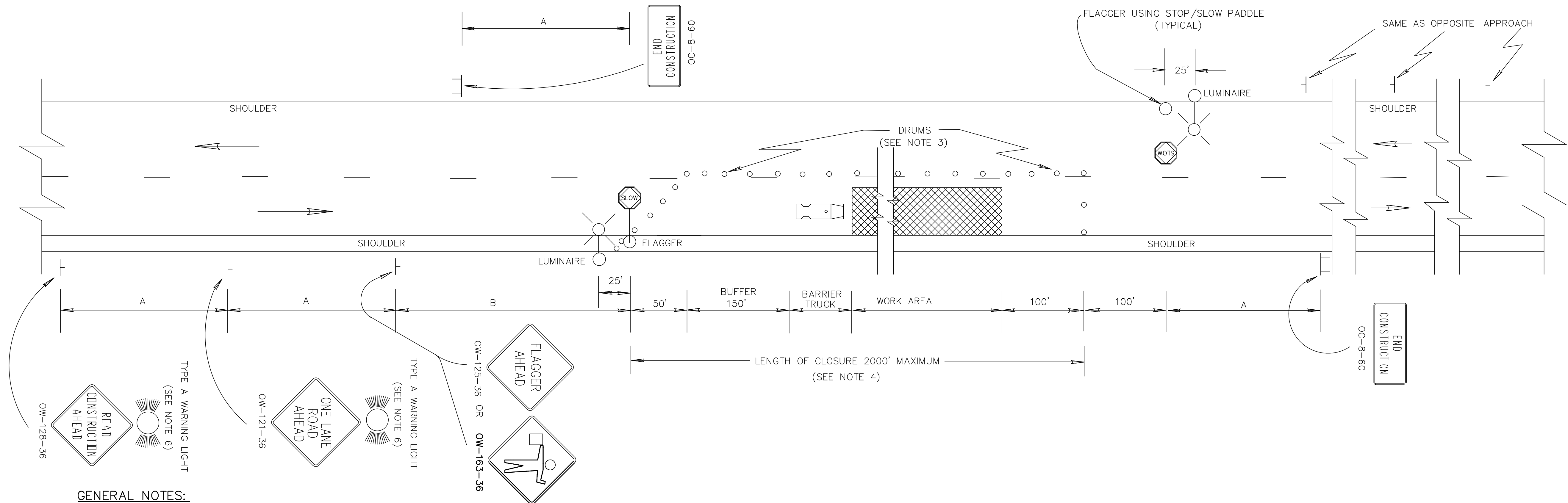
CHAGRIN FALLS
2024 ROAD IMPROVEMENTS
 - VILLAGE OF CHAGRIN FALLS, OHIO -
PART B
MAPLE STREET RESURFACING

PROJECT NO. 240255	
DISCIPLINE CIVIL	
SHEET NAME	
SHEET 4	OF 8

ISSUED FOR:	BID NO.	REVISION	DATE
ISSUE DATE:			
SCALE:			
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CHAGRIN FALLS
2024 ROAD IMPROVEMENTS
- VILLAGE OF CHAGRIN FALLS, OHIO -
MAINTENANCE OF TRAFFIC - 01

PROJECT NO.	240255
DISCIPLINE	CIVIL
SHEET NAME	
SHEET	OF
5	8



GENERAL NOTES:

1. THE LOCATION OF THE ADVANCE WARNING SIGNS SHOULD BE ADJUSTED TO PROVIDE FOR ADEQUATE SIGHT DISTANCE FOR THE EXISTING VERTICAL AND HORIZONTAL ROADWAY ALIGNMENT. THE DISTANCES SHOWN ARE MINIMUMS. DISTANCE B MAY ALSO BE INCREASED, PRIOR TO IMPLEMENTATION OF THE CLOSURE OR AFTER IT IS IN EFFECT, AS DIRECTED BY THE ENGINEER FOR SUCH OCCURRENCES AS LONG TRAFFIC BACKUPS.
2. FLAGGERS, ONE FOR EACH DIRECTION SHALL BE USED TO CONTROL TRAFFIC CONTINUOUSLY FOR AS LONG AS A ONE LANE OPERATION IS IN EFFECT. THE FLAGGERS SHALL BE ABLE TO COMMUNICATE WITH EACH OTHER AT ALL TIMES.
3. DRUMS SHALL BE SPACED AT 50' CENTER TO CENTER ALONG THE CLOSURE. DRUMS ON THE ADVANCE TAPER SHALL BE SPACED AT 10' CENTER TO CENTER. CONES HAVING A MINIMUM HEIGHT OF 28 INCHES MAY BE SUBSTITUTED FOR DRUMS FOR DAY-TIME LANE CLOSURES. PROVISIONS SHALL BE MADE TO STABILIZE THE CONES TO PREVENT THEM FROM BLOWING OVER.
4. SEVERAL SMALL WORK AREAS CLOSE TOGETHER SHALL BE COMBINED INTO ONE WORK ZONE. HOWEVER, THE CLOSURE SHALL NOT BE MORE THAN 2000 FEET LONG UNLESS APPROVED BY THE ENGINEER. THE MINIMUM LENGTH BETWEEN CLOSURES SHALL BE 2000 FEET. ONLY ONE SIDE OF THE ROAD SHALL BE CLOSED IN ANY ONE WORK ZONE.
5. THE BARRIER TRUCK SHOWN AT THE BEGINNING OF THE WORK AREA SHALL BE IN PLACE AND UNOCCUPIED WHENEVER WORKERS ARE IN THE WORK AREA. THIS BARRIER TRUCK SHALL BE REMOVED FROM THE PAVEMENT WHEN WORKERS ARE NOT IN THE WORK AREA. OTHER PROTECTIVE DEVICES MAY BE USED IN LIEU OF THE BARRIER TRUCK SHOWN WHEN APPROVED BY THE ENGINEER. THE VEHICLE SHALL BE EQUIPPED WITH A 360° ROTATION OR FLASHING AMBER BEACON CLEARLY VISIBLE A MINIMUM OF ONE-QUARTER MILE.
6. THE TYPE A FLASHING WARNING LIGHTS SHOWN ON THE "ROAD CONSTRUCTION AHEAD" (OW-128) AND THE "ONE LANE ROAD AHEAD" (OW-121) SIGNS ARE REQUIRED WHENEVER A NIGHT LANE CLOSURE IS NECESSARY.
7. TYPE C STEADY BURNING WARNING LIGHTS SHALL BE ERECTED ON EACH DRUM FOR NIGHT LANE CLOSURES.
8. ADEQUATE AREA ILLUMINATION OF EACH FLAGGER STATION SHALL BE PROVIDED AT NIGHT BY USING 150 WATT MINIMUM HIGH PRESSURE SODIUM LUMINAIRE OR 250 WATT MINIMUM MERCURY LUMINAIRE. LUMINAIRE SHALL BE LOCATED ADJACENT TO ONE FLAGGER STATION FOR EACH DIRECTION OF TRAFFIC AS SHOWN ABOVE. THE MOUNTING HEIGHT FOR LUMINAIRE SHALL BE A MINIMUM OF 27 FEET ABOVE THE PAVEMENT AND MOUNTED ON A SUPPORT OF ADEQUATE STRENGTH TO PROVIDE A SATISFACTORY INSTALLATION. THE OVERHEAD CONDUCTOR CLEARANCE SHALL BE A MINIMUM OF 18 FEET ABOVE THE PAVEMENT. THE LUMINAIRE ARM SHALL BE OF SUFFICIENT LENGTH TO EXTEND TO THE EDGE OF THE PAVEMENT. POLES SHALL BE ERECTED A MINIMUM OF 5.5' BEHIND FACE OF GUARDRAIL WHERE EXISTING, OR 12' FROM THE EDGE OF PAVEMENT. WHERE POSSIBLE LOCATE BEHIND DITCH. LIGHTING MATERIAL SHALL COMPLY WITH SPECIFICATION 713.
9. WITHIN THE LENGTH OF CLOSURE, PROVISION SHALL BE MADE TO CONTROL TRAFFIC ENTERING FROM INTERSECTING STREETS AND MAJOR DRIVES AS NECESSARY TO PREVENT WRONG WAY MOVEMENTS AND TO KEEP VEHICLES OFF OF NEW PAVEMENT NOT READY FOR TRAFFIC. THE METHOD OF CONTROL SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

MINIMUM DISTANCE	A	B
URBAN	200	200
RURAL	500	500

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE C & M SPECIFICATIONS AS WELL AS IN ACCORDANCE WITH PART 7 OF OMUTCD. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS TO PROVIDE THIS METHOD OF TRAFFIC CONTROL SHALL BE INCIDENTAL TO THE LUMP SUM BID FOR 614 MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

BUREAU OF DESIGN SERVICES DIVISION OF HIGHWAYS OHIO DEPARTMENT OF TRANSPORTATION	
MAINTENANCE OF TRAFFIC	DATE 04/29/88
FLAGGERS CLOSING 1 LANE OF A 2 LANE HIGHWAY STATIONARY OPERATION	
STANDARD CONSTRUCTION DRAWING	MT-97.10
APPROVED	ENGR. OF DESIGN SERVICES

ITEM 614 – MAINTAINING TRAFFIC

ONE WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES FOR LOCAL TRAFFIC AND EMERGENCY VEHICLES. LOCAL ACCESS TO ABUTTING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. ACCESS TO ALL DRIVEWAYS SHALL ALSO BE MAINTAINED AT ALL TIMES.

PART WIDTH CONSTRUCTION, ONE LANE WIDTH, SHALL BE USED DURING THE PERFORMANCE OF PAVING OPERATIONS.

ALL CONSTRUCTION TRAFFIC CONTROL DEVICES USED FOR THIS PROJECT SHALL CONFORM TO THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, HERINAFTER REFERRED TO AS THE MANUAL, AND SHALL BE FURNISHED, ERECTED, MAINTAINED, RELOCATED AND REMOVED BY THE CONTRACTOR.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY SAFEGUARDS, SUCH AS BARRICADES, LIGHTING, FLAGGERS, PLASTIC DRUMS, FLASHING ARROW PANELS 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. WHENEVER THE ENGINEER DEEMS IT NECESSARY, HE MAY DIRECT THAT ADDITIONAL OR ALTERNATIVE DEVICES BE USED. ALSO, THE CONTRACTOR SHALL PROVIDE SUFFICIENT ADDITIONAL BARRICADES, ETC. TO PROTECT THE FRESH PAVEMENT DURING THE CURING PERIOD FROM VEHICLES WHICH MAY DRIVE AROUND OR THROUGH THE TRAFFIC CONTROL.

TRAFFIC CONTROL DEVICES SHALL BE SET UP PRIOR TO THE START OF CONSTRUCTION AND SHALL BE PROPERLY MAINTAINED DURING THE TIME SUCH SPECIAL CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS THEY ARE NEEDED AND SHALL BE IMMEDIATELY REMOVED THEREAFTER. WHERE OPERATIONS ARE PERFORMED IN PHASES, THERE SHALL BE IN PLACE ONLY THOSE DEVICES THAT APPLY TO THE CONDITION PRESENT DURING THE PHASE-IN PROGRESS. ALL SIGNS WITH MESSAGES WHICH DO NOT APPLY DURING A CERTAIN PERIOD SHALL BE COVERED OR SET ASIDE OUT OF THE VIEW OF TRAFFIC. CONFLICTING PAVEMENT MARKINGS SHALL BE REMOVED IN ACCORDANCE WITH SECTION 641.10 OF THE OHIO SPECIFICATIONS BEFORE ANY SECTION OF ROADWAY IS MADE AVAILABLE TO USE BY TRAFFIC.

ALL PERMANENT AND TEMPORARY PAVEMENT MARKINGS ARE TO BE MAINTAINED THROUGHOUT THE PROJECT. ANY DAMAGED OR FADED PAVEMENT MARKINGS SHALL BE CORRECTED WITHIN EIGHT HOURS AFTER THE CONTRACTOR'S NOTIFICATION OF THE PROBLEM. IF WEATHER IS NOT CONDUSIVE TO PAVEMENT MARKING INSTALLATION THEN REPAIRS SHALL BE MADE ON THE FIRST WEATHER PERMISSIVE DAY AFTER NOTIFICATION.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH ODOT ITEM 614 APPLICABLE SECTIONS OF THE SPECIFICATIONS AS WELL AS THE MANUAL. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN, UNLESS OTHERWISE SEPARATELY ITEMIZED IN THE PLANS.

WORK HOURS

NO WEEKEND WORK OR WORK BETWEEN THE HOURS OF 7:30 PM TO 7:00 AM SHALL BE PERMITTED UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE ENGINEER.

PROVIDING CONTINUOUS ACCESS TO RESIDENCES AND BUSINESSES

TWO WEEKS PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A COMPLETE SCHEDULE OF CONSTRUCTION OPERATIONS ALONG WITH PLANS SHOWING A TRAFFIC DETOUR PLAN AND TRAFFIC CONTROL FOR EACH PHASE OF CONSTRUCTION. INCLUDED SHALL BE DETAILS OF THE PROPOSED METHODS TO MAINTAIN SAFE AND CONTINUOUS ACCESS FOR PASSENGER VEHICLES, TRUCKS AND SAFETY EQUIPMENT TO ALL ADJOINING PROPERTIES AND INTERSECTING STREETS. THESE PLANS SHALL INCLUDE ALL TEMPORARY MATERIALS NECESSARY TO PROVIDE SAFE, ADEQUATE DRIVE SURFACES TO ALL ADJOINING PROPERTIES. THE COST FOR ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO PROVIDE CONTINUOUS ACCESS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ODOT ITEM 614, MAINTAINING TRAFFIC. PLANS MUST BE SUBMITTED TO THE ENGINEER AND APPROVED PRIOR TO COMMENCING ANY WORK

SHOULD THE ENGINEER, AT ANY TIME PRIOR TO OR DURING CONSTRUCTION, DEEM ANY PART OF THE CONTRACTOR'S PLANS FOR SAFE AND CONTINUOUS ACCESS TO RESIDENCES AND BUSINESSES INADEQUATE, ADDITIONAL MATERIALS, CLOSURES AND/OR DIVERSIONS SHALL BE REQUIRED AT NO ADDITIONAL COST TO THE CITY.

NOTIFICATION OF PROPERTY OWNERS

THE CONTRACTOR SHALL NOTIFY ALL RESIDENCES AND BUSINESSES ALONG THE PROJECT ROUTE IN WRITING AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCING WORK. SUCH NOTICE SHALL INCLUDE, AT A MINIMUM, A BRIEF PROJECT DESCRIPTION, TENTATIVE CONSTRUCTION SCHEDULE, LIMITS OF CONSTRUCTION, THE CONTRACTOR'S NAME, ADDRESS AND PHONE NUMBER, AS WELL AS A CONTACT PERSON'S NAME AND EMERGENCY PHONE NUMBER WHERE HE COULD BE REACHED DURING NON-WORK HOURS. THE NOTICE SHALL ALSO REQUEST THAT THE PROPERTY OWNERS PROVIDE INFORMATION TO THE CONTRACTOR AND/OR CITY OF MENTOR REGARDING THE LOCATIONS OF ANY UNDERGROUND PET FENCING, LAWN SPRINKLER SYSTEMS, YARD LIGHTING, WIRING AND ANY OTHER FACILITIES THAT ARE UNDERGROUND IN THE VICINITY OF THE PROJECT. THE NOTICE SHALL BE REVIEWED AND APPROVED BY THE CITY OF MENTOR PRIOR TO BEING DISTRIBUTED. ALL COSTS ASSOCIATED WITH THE ABOVE SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ODOT ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN.

FAILURE TO COMPLY

FOR ANY FAILURE TO COMPLY WITH PROVISIONS FOR TRAFFIC CONTROL SET OUT IN THESE PLANS AND NOTES OR WITH THE PROVISIONS OF THE MANUAL, THE HIGHWAY IN THE VICINITY OF THE WORK AREA SHALL BE CONSIDERED IN A CONDITION UNACCEPTABLE FOR THE SAFETY AND CONVENIENT USE BY THE TRAVELING PUBLIC. ANY FAILURE TO KEEP THE HIGHWAY IN THE VICINITY OF THE WORKING AREA IN A CONDITION ACCEPTABLE FOR THE SAFE AND CONVENIENT USE BY THE TRAVELING PUBLIC SHALL BE CONSIDERED A BREACH OF THIS CONTRACT. WORK SHALL BE SUSPENDED UNTIL THE CONTRACTOR COMPLIES WITH THE PROVISIONS OF THE AFOREMENTIONED ITEMS.

MATERIALS FOR MAINTAINING TRAFFIC

SIGNS

SIGN DIMENSION AND SPECIFICATIONS, INCLUDING LETTER SIZES, SHALL BE AS PROVIDED IN THE MANUAL OR SIGN DESIGN DRAWINGS PROVIDED IN THESE PLANS. THE SIGNS SHALL BE SUBJECT TO APPROVAL BY THE ENGINEER PRIOR TO THE START OF THE PROJECT. ALL COST FOR INSTALLING, MAINTAINING AND SUBSEQUENT REMOVAL OF SAID SIGNS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ODOT ITEM 614 – MAINTAINING TRAFFIC, AS PER PLAN.

NOTIFICATION

THE VILLAGE OF CHAGRIN FALL POLICE, FIRE, PUBLIC WORKS DEPARTMENTS, CITY ENGINEER AND THE PERRY VILLAGE BOARD OF EDUCATION SHALL BE NOTIFIED AT LEAST ONE (1) WEEK PRIOR TO THE ACTUAL START OF CONSTRUCTION.

VILLAGE POLICE DEPARTMENT:		
CHIEF DACEK	440-247-7321	
VILLAGE FIRE DEPARTMENT		
FRANK M. ZUGAN	440-247-8281	
VILLAGE ENGINEER		
TIMOTHY LANNON P.E.	440-951-9000	
CHAGRIN FALLS EXEMPTED VILLAGE SCHOOLS	(440) 247-2583	
UNITED STATES POST OFFICE	(800) 275-8777	

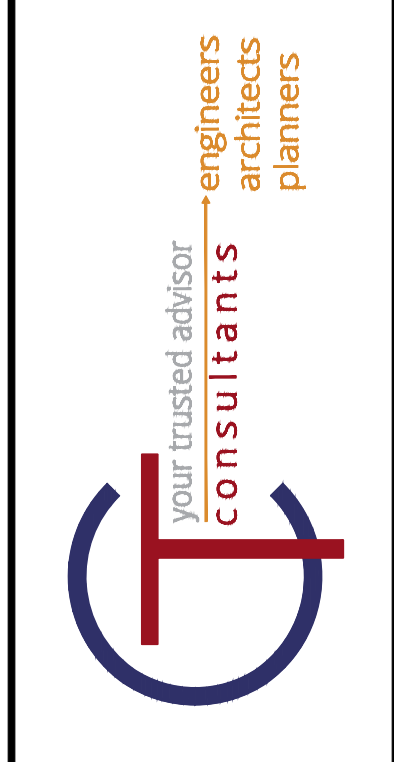
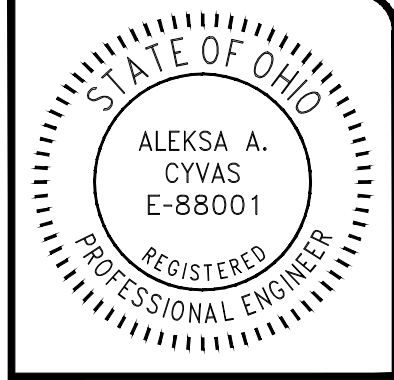
SIGN SUPPORTS

SIGN SUPPORTS SHALL BE OF SUFFICIENT SIZES AND HEIGHT TO SUPPORT THE SIGNS AT THE HEIGHT INDICATED IN THE MANUAL. SUPPORTS SHALL ALSO BE ADEQUATE IN MASS AND STABILITY TO PREVENT SIGNS FROM BEING BLOWN OVER BY WIND OR VECLULAR-GENERATED AIR TURBULENCE. ALL COSTS FOR INSTALLING, MAINTAINING AND SUBSEQUENT REMOVAL OF SAID SIGNS SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 614 – MAINTAINING TRAFFIC.

PROJECT PHASING

IT IS THE DESIRE OF THE VILLAGE TO HAVE THE CONTRACT WORK PROCEED IN AN ORDERLY AND NEAT MANNER IN ORDER TO KEEP THE DISRUPTION TO THE RESIDENTS TO A MINIMUM. THUSLY THE CONTRACTOR IS TO PREPARE AND IMPLEMENT A WORK PHASING PLAN, APPROVED BY THE VILLAGE ENGINEER, INCLUSIVE OF THE FOLLOWING REQUIREMENTS:

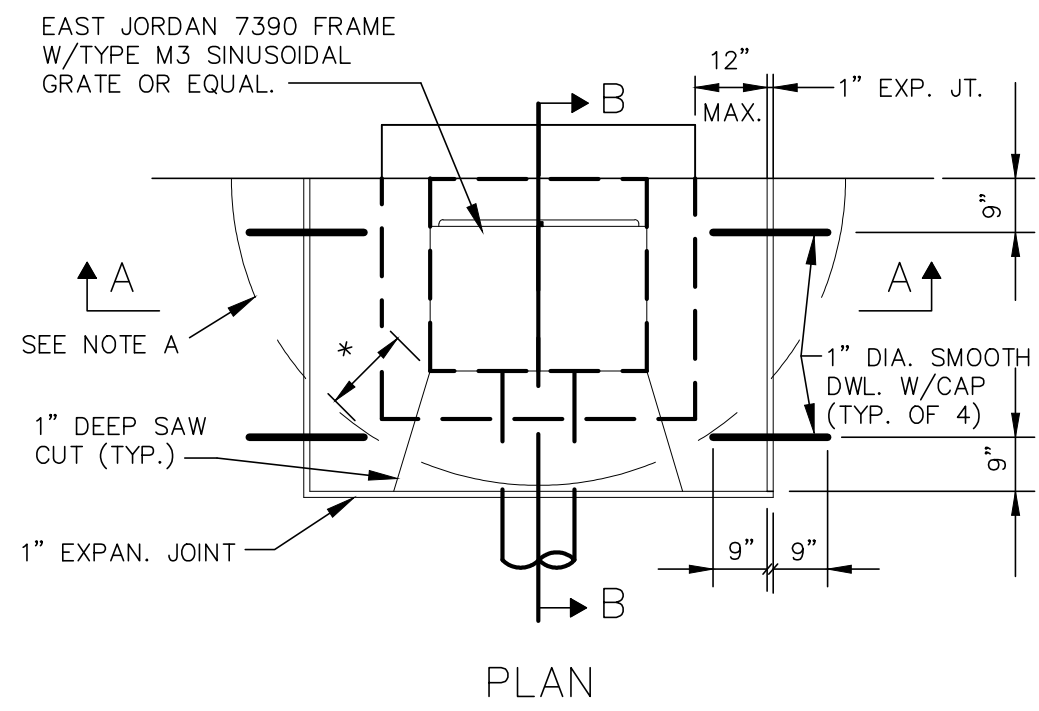
- 1) THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION PHASING SCHEDULE ALONG WITH A PROPOSED MAINTENANCE OF TRAFFIC PLAN FOR THE VARIOUS PHASES OF WORK TO BE REVIEWED BY THE VILLAGE ENGINEER AND CITY FORCES.
- 2) THE CONTRACTOR SHALL LIMIT THE WORK AREAS AND COORDINATE DAILY ACTIVITIES WHICH SHALL INCLUDE THE EXCAVATION/EMBANKMENT OF THE PAVEMENT ENVELOPE, SUBGRADE COMPACTION, PLACEMENT AGGREGATE BASE ON A DAILY BASIS. DRIVEWAYS SHALL BE MAINTAINED WITH AGGREGATE BASE MATERIAL AS SOON AS PRACTICAL AND ON A DAILY BASIS. DEVIATIONS FROM THE INTEND LIMITS SHALL BE PRE-APPROVED BY THE VILLAGE ENGINEER.
- 3) DRIVE APRON ACCESS IS TO BE MAINTAINED AT ALL TIMES.
- 4) A MINIMUM OF A 11FT LANE SHALL BE USED TO MAINTAIN TRAFFIC.
- 5) MAINTENANCE OF STONE RAMPS AT DRIVES AND GRADE TRANSITIONS SHALL BE MAINTAINED ON A DAILY BASIS.



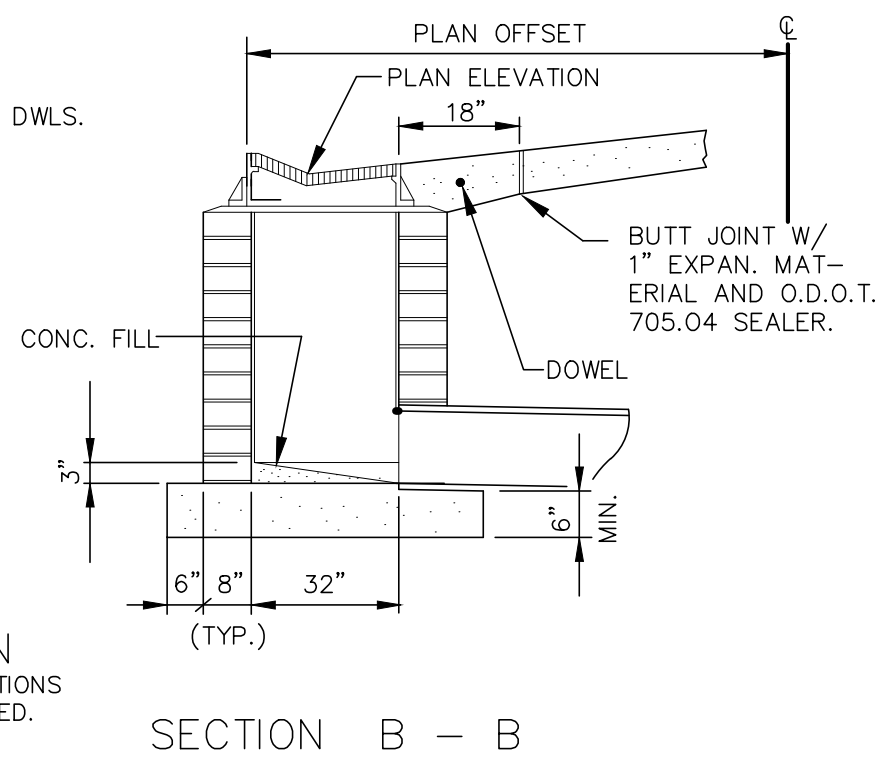
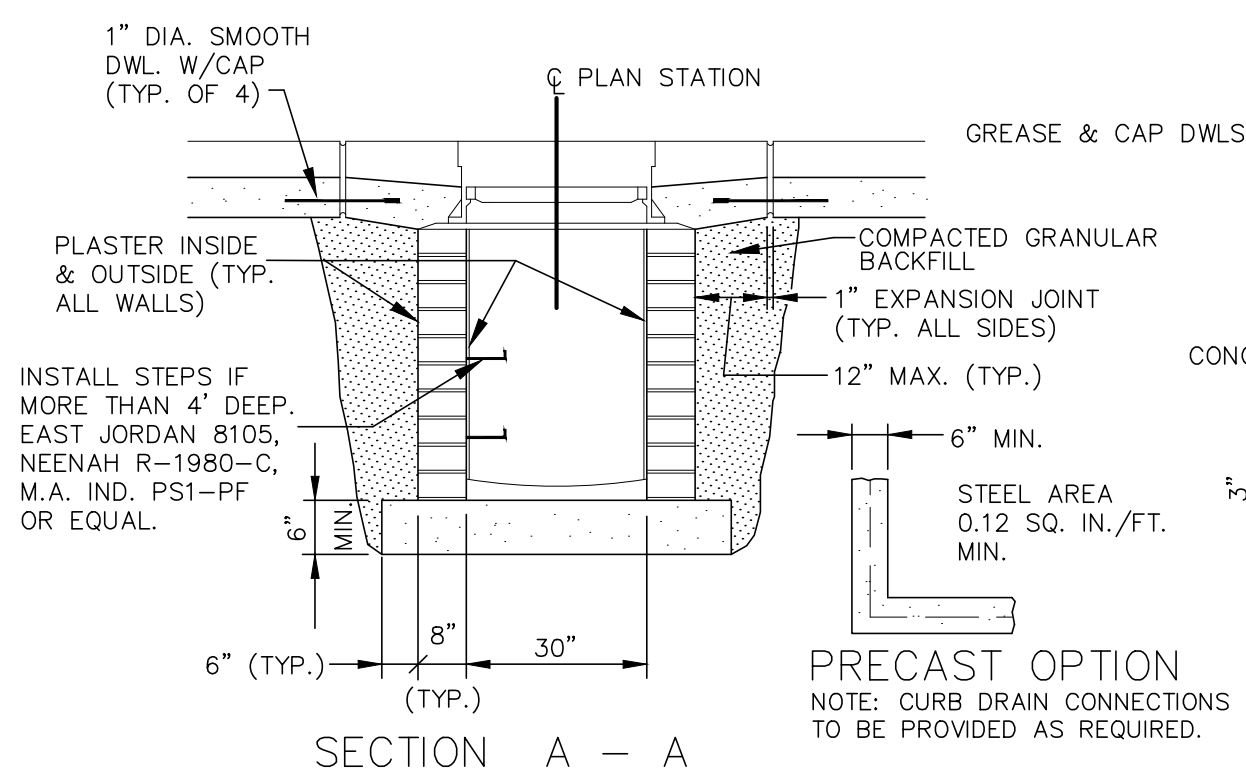
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ISSUE DATE: AUG 2024			
SCALE: AS SHOWN			
DESIGNED BY: AAC			
DRAWN BY: AAC			
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CHAGRIN FALLS
2024 ROAD IMPROVEMENTS
 - VILLAGE OF CHAGRIN FALLS, OHIO -
MAINTENANCE OF TRAFFIC - 01

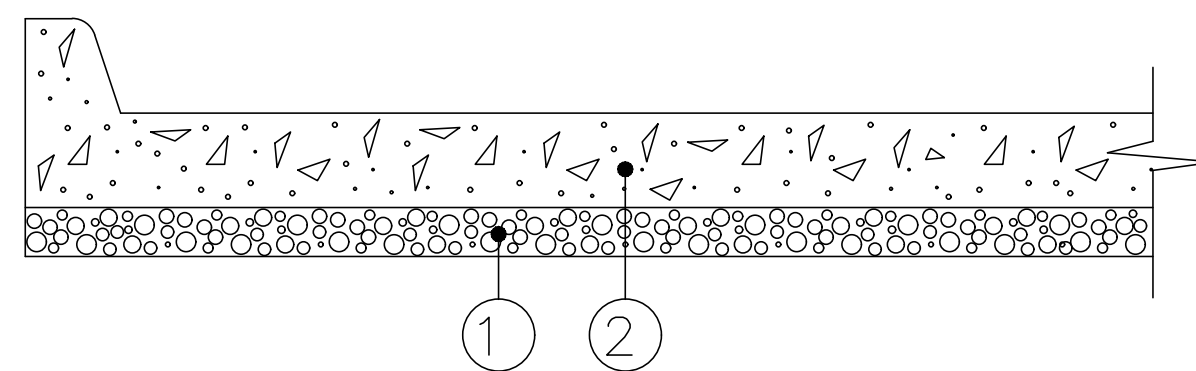
PROJECT NO.	240255
DISCIPLINE	CIVIL
SHEET NAME	
SHEET	OF
6	8



- NOTE A**
ALTERNATE INLET BOX-OUT TO BE USED WHERE RECTANGULAR BOX-OUT DOES NOT FIT PAVEMENT JOINT PATTERN OR WHERE DIRECTED BY ENGINEER. JOINT TO BE A SMOOTH BUTT JOINT WITH 1" EXPANSION MATERIAL. DELETE SMOOTH DOWEL BARS AND CAPS. * = 12" TO 24", AS DIRECTED BY ENGINEER.
- GENERAL NOTES:**
1. ALL WORK TO CONFORM TO O.D.O.T. ITEM 611.
 2. ALL BRICK SHALL BE CLAY OR SHALE BRICK CONFORMING TO O.D.O.T. ITEM 704.01 (A.S.T.M. C32), UNLESS APPROVED IN WRITING BY THE ENGINEER.
 3. IF PRECAST UNITS ARE USED, THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL. PRECAST UNITS SHALL CONFORM TO O.D.O.T. ITEM 706.13.
 4. PAVEMENT CONCRETE WITHIN BOX OUT SHALL CONFORM TO O.D.O.T. 499, CLASS QC 1 CONCRETE FOR BASE SHALL BE 4000 P.S.I.
 5. THE ENTIRE AREA AROUND THE BASIN SHALL BE BACKFILLED WITH O.D.O.T. ITEM 304, MECHANICALLY COMPACTED IN 4" LIFTS.
 6. PRECAST UNITS SHALL BE SET ON 6" STONE BASE.



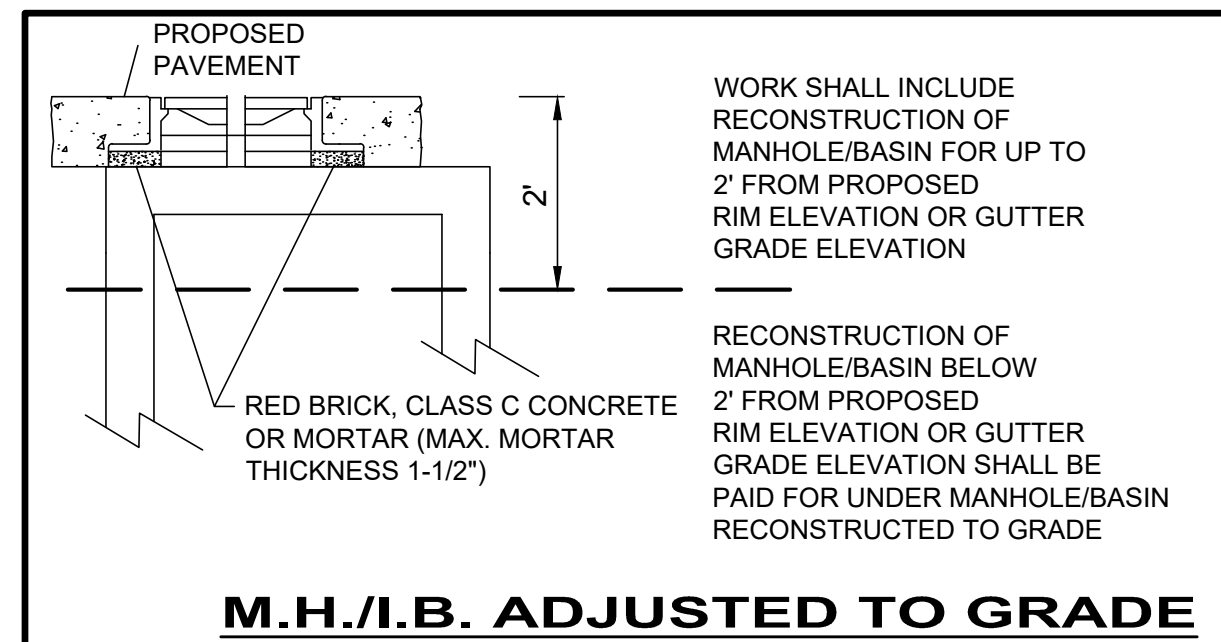
**CATCH BASIN 3A
ROLL CURB INLET AND BOX OUT DETAIL**



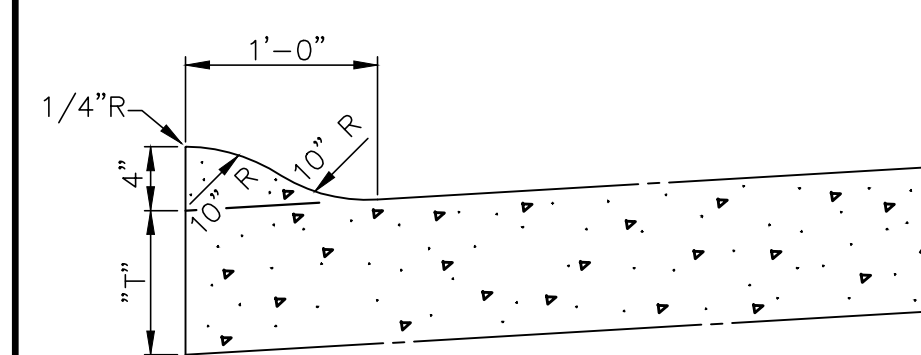
- 1 4" ODOT ITEM 304 COMPACTED LIMESTONE AGGREGATE BASE
- 2 8" MIN. ODOT ITEM 251 INCLUDING INTEGRAL CURB, HOOK BOLT INSTALLATION, FIBER, AND WIRE MESH.

**TYPE "A" PAVEMENT
REPLACEMENT (CONCRETE),
ROADWAY, AS PER PLAN DETAIL**

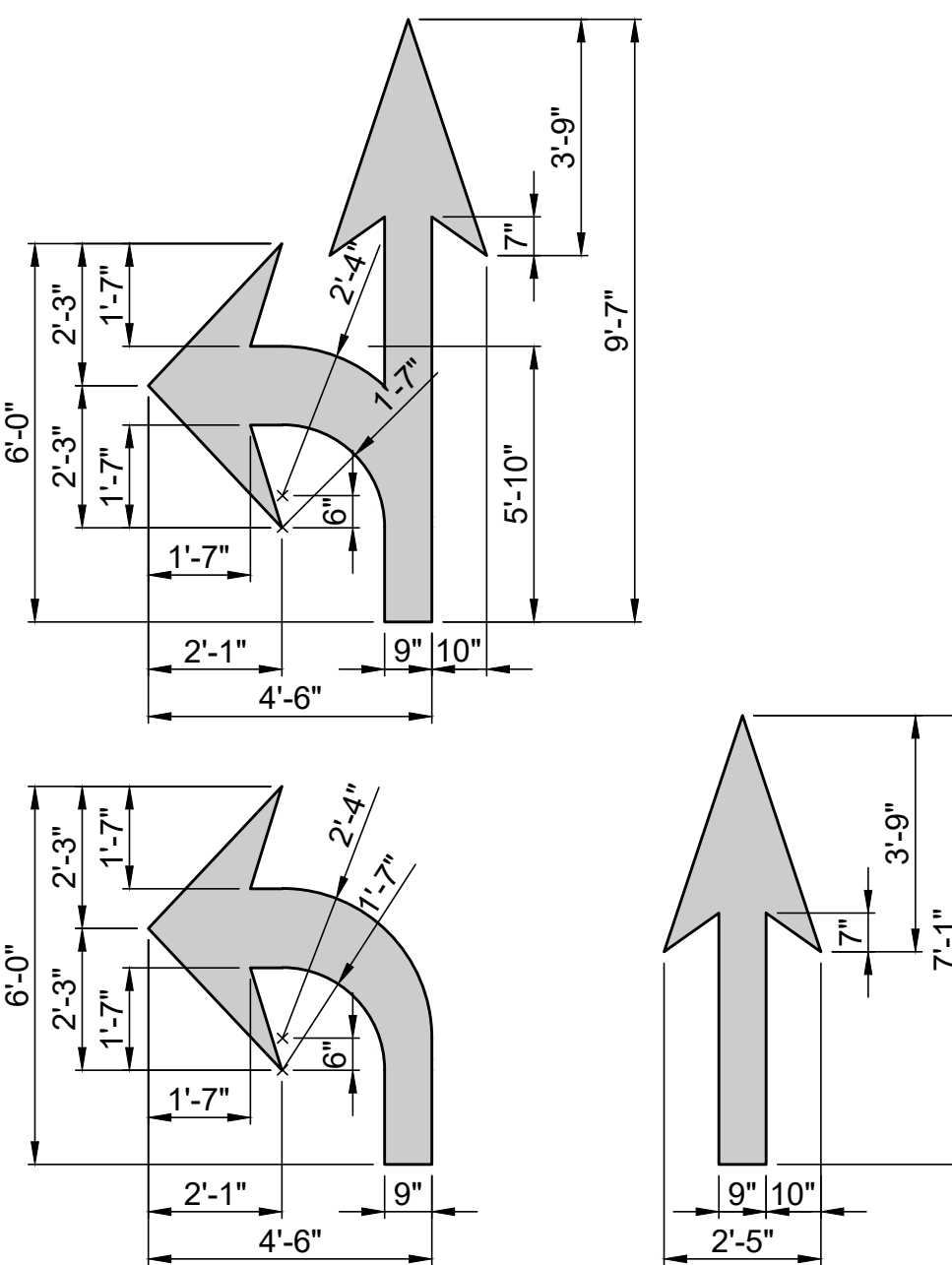
- NOTES:**
- EXCAVATION AND REMOVAL OF EXISTING PAVEMENT AND 4" OF SUBGRADE SHALL BE INCLUDED IN THE UNIT PRICE OF ITEM 251.
 - PREP, INSTALLATION, AND COMPACTION OF 4" OF ODOT ITEM 304 SHALL BE INCLUDED IN THE PRICE OF ITEM 251.
 - CONCRETE SHALL BE CLASS QC M5.
 - FOR ALL PAVEMENT REPAIRS, CONCRETE PAVEMENT SHALL BE FULL DEPTH SAWCUT.
 - HOOK BOLTS SHALL BE INSTALLED AT 18" O/C ALONG ALL LONGITUDINAL JOINTS.



M.H./I.B. ADJUSTED TO GRADE

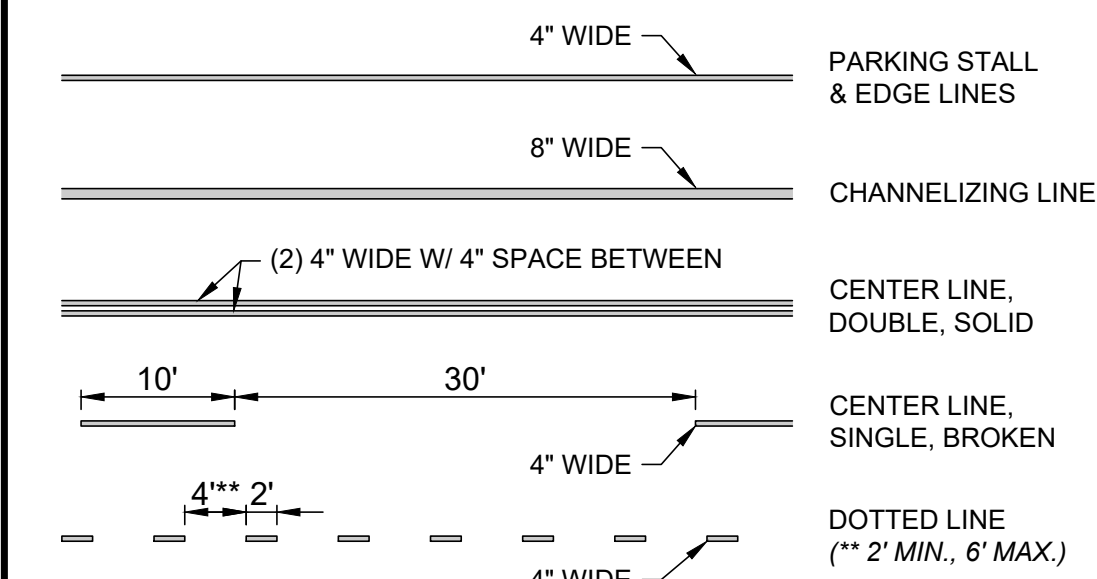
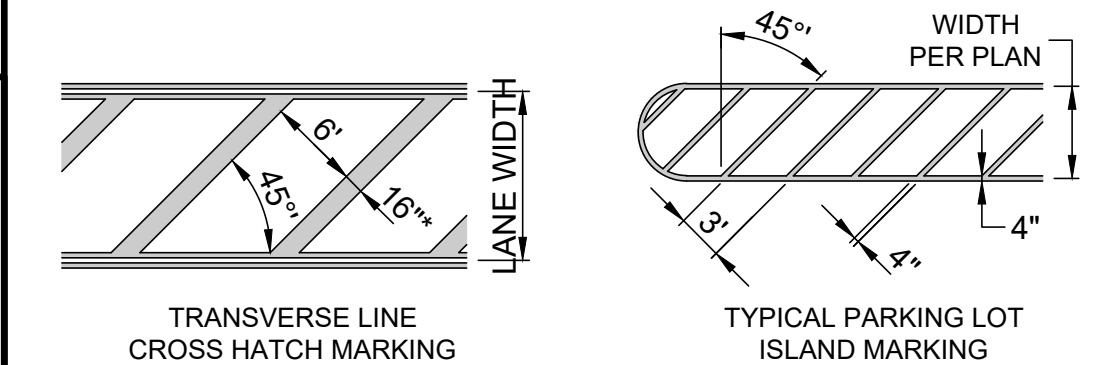
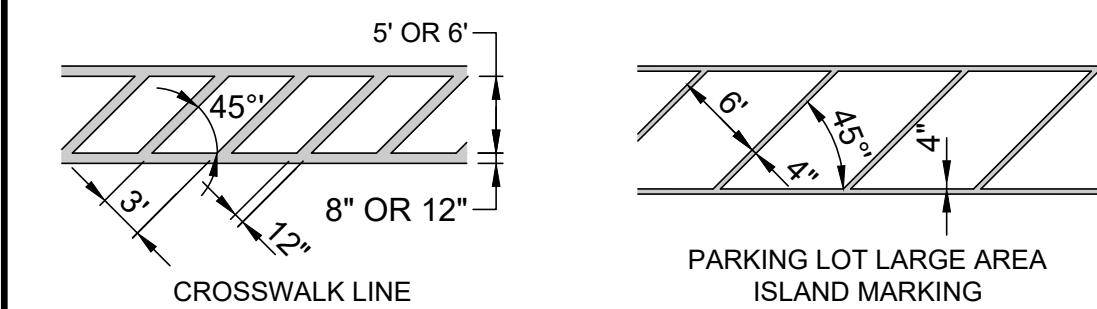
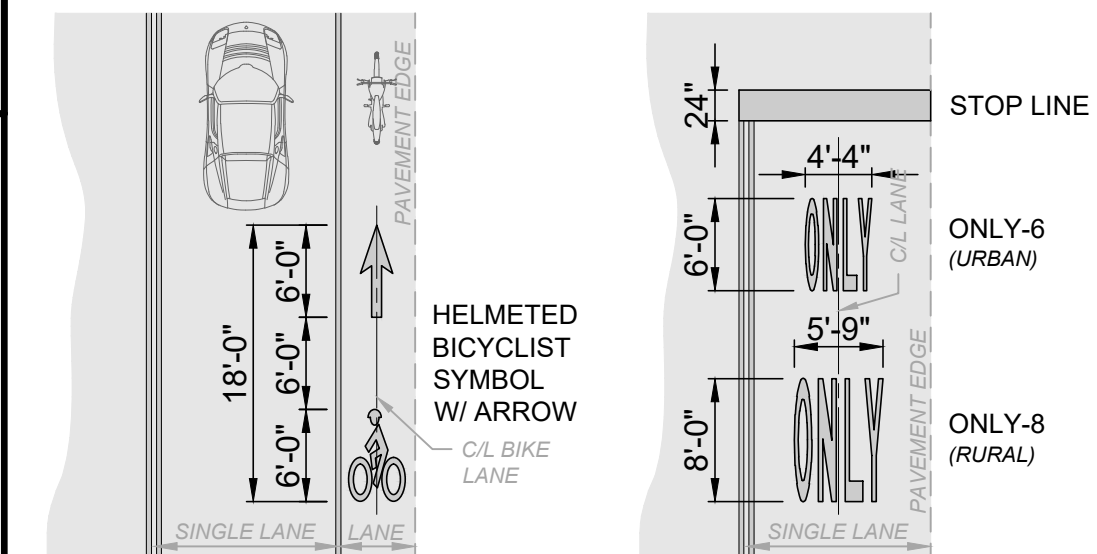
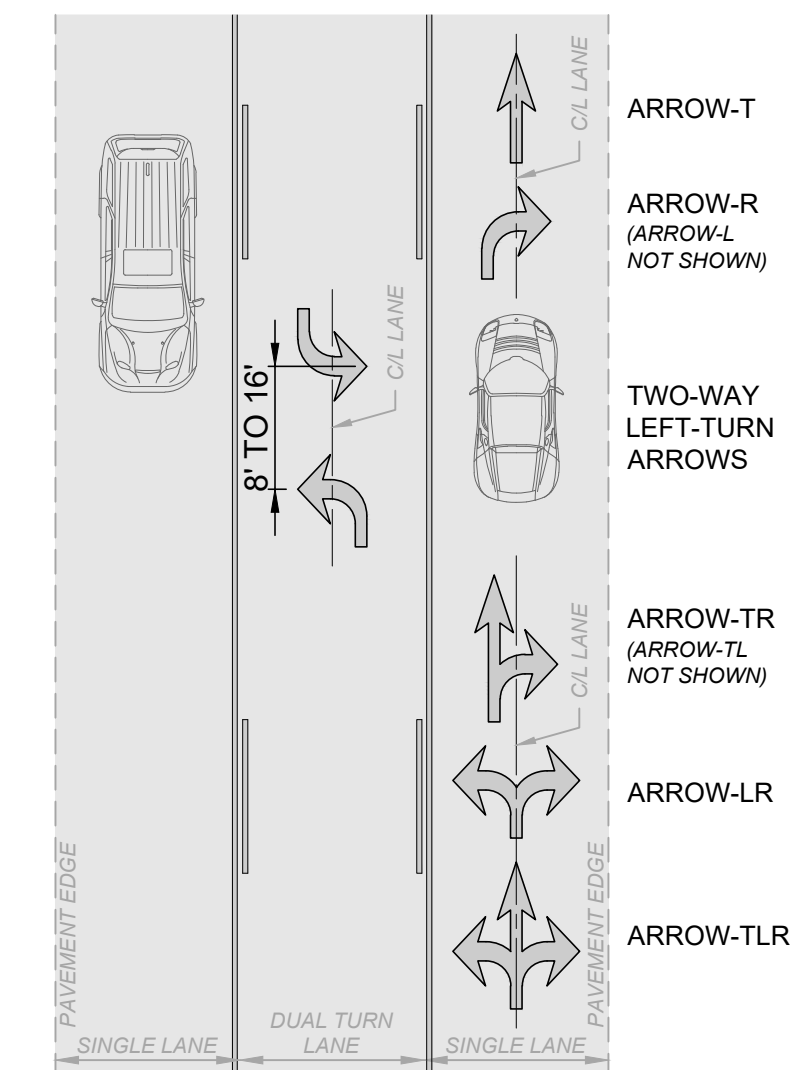


MOUNTABLE CURB DETAIL



**TURN AND STRAIGHT
ARROWS (6 FT) DETAIL**

SCALE: NONE



- NOTES:**
1. PAINT COLORS SHALL BE AS FOLLOWS:
 - A. YELLOW: CENTER LINES.
 - B. WHITE OR YELLOW, AS PER PLAN: PARKING STALL LINES AND ISLAND MARKINGS.
 - C. WHITE: WORDS, LANE ARROWS, CHANNELIZING LINES, TRANSVERSE LINES, DOTTED LINES, EDGE LINES, STOP LINES AND CROSSWALKS.
 - D. BLUE: PARKING STALL LINES AND ISLAND STRIPING TO DESIGNATE ADA ACCESSIBILITY.
 - E. RED: WORDS, LANE LINES AND ISLAND MARKINGS TO DESIGNATE FIRE LANES.
 2. THIS DETAIL IS FOR REFERENCE ONLY. SEE PLANS AND APPLICABLE DETAILS FOR TYPES, LOCATIONS AND SIZES.

PAVEMENT MARKING DETAIL

SCALE: NONE

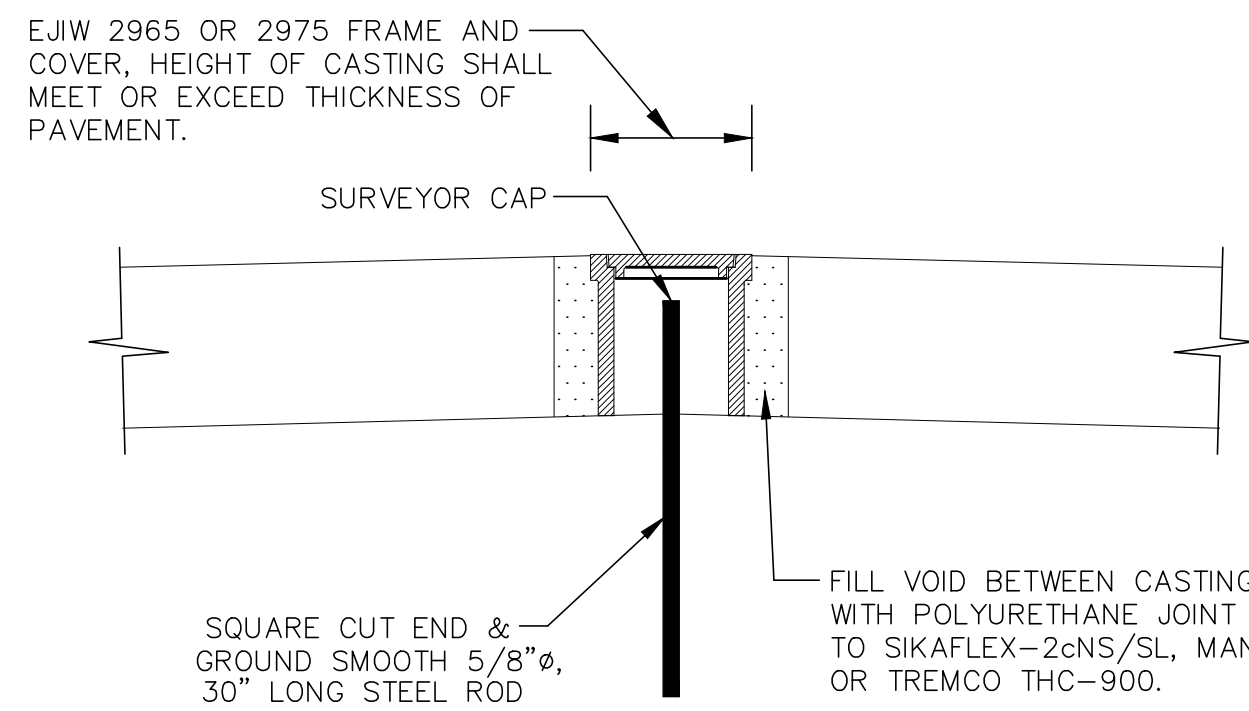
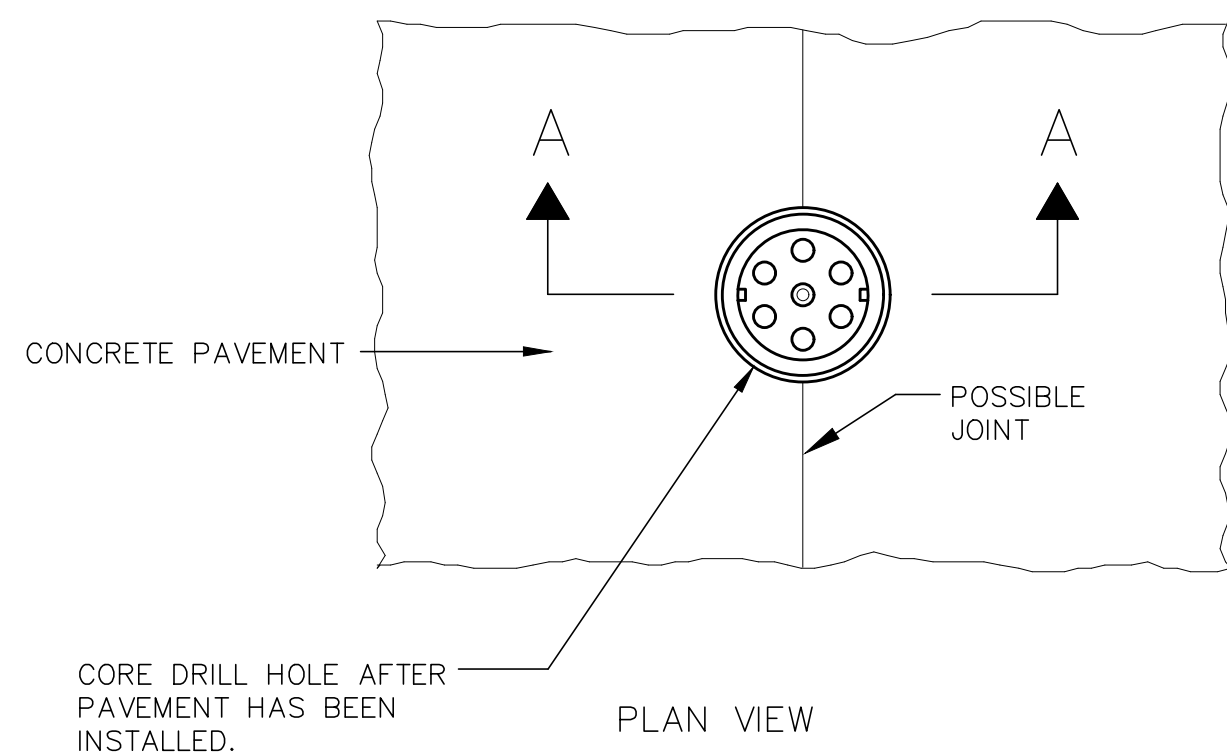


DATE	REVISION	NO	BID	ISSUED FOR:
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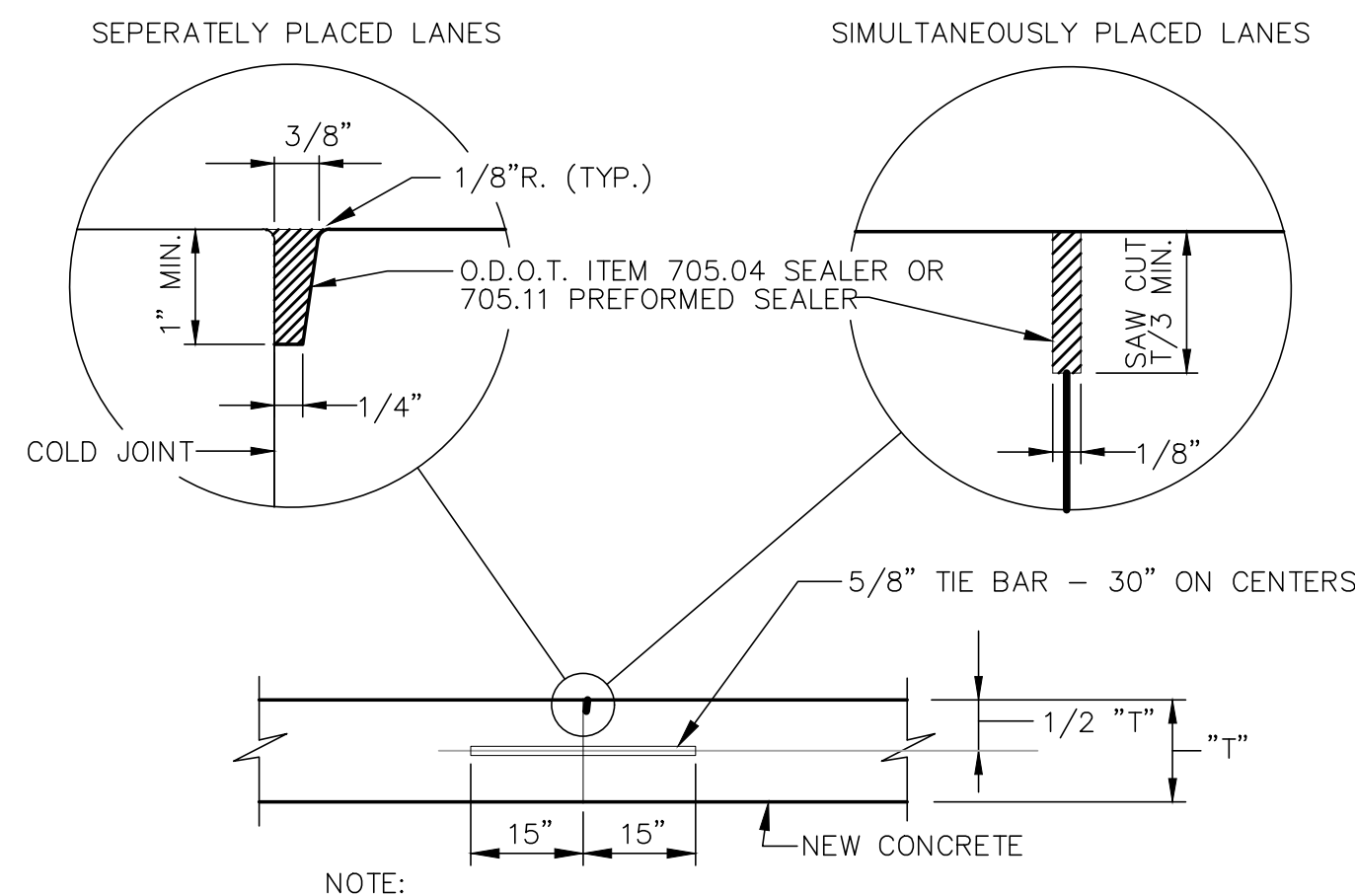
**CHAGRIN FALLS
2024 ROAD IMPROVEMENTS**
- VILLAGE OF CHAGRIN FALLS, OHIO -

PROJECT NO.	240255
DISCIPLINE	CIVIL
SHEET NAME	D-1
SHEET	7
OF	8

DETAILS

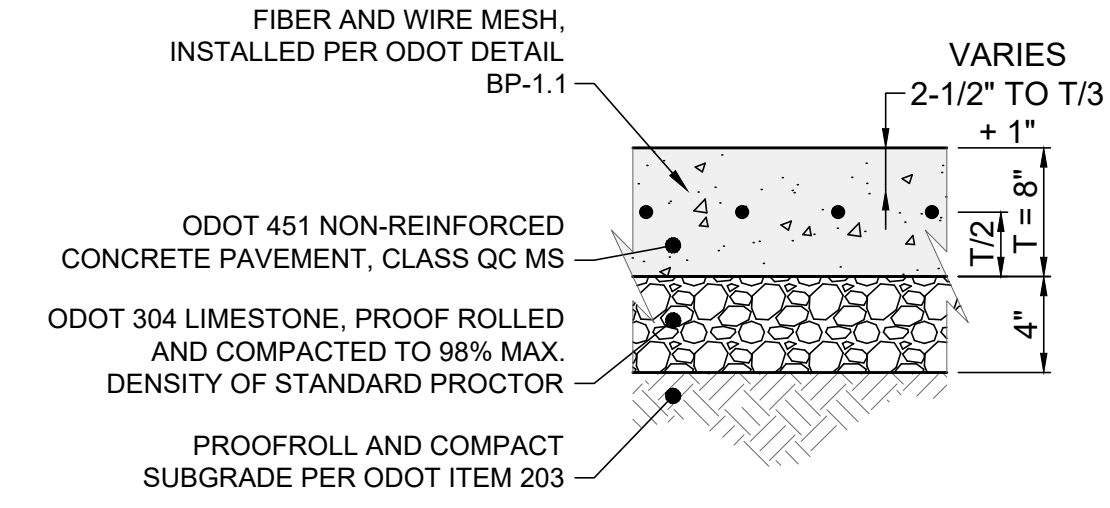


ROUND PAVEMENT MONUMENT



NOTE:
SEE O.D.O.T. STANDARD DRAWING BP-3 FOR ALTERNATE BUTT JOINT DETAILS.

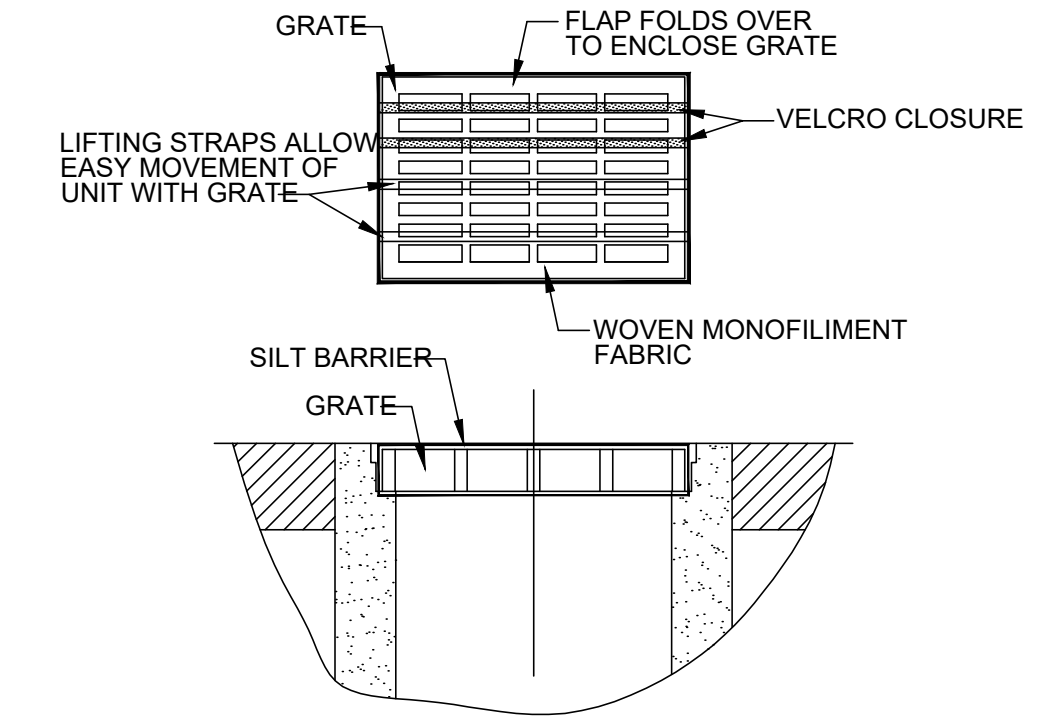
LONGITUDINAL BUTT JOINT (NEW CONSTRUCTION)



- NOTES:
- THIS DETAIL SHOWS A DIMENSION OF 8" FOR REFERENCE ONLY. SEE SITE PLAN FOR THICKNESS.
 - SEE LAYOUT PLAN FOR JOINT LOCATIONS. IF JOINTS ARE NOT SHOWN, THEN THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL JOINTS. DIVIDE JOINTS INTO EQUALLY SPACED RECTANGULAR BLOCKS.
 - APPLY LIQUID-MEMBRANE CURING COMPOUND (200 S.F./GAL.).
 - IF UNSUITABLE SOILS EXISTS, UNDERCUT SUBGRADE AND REPLACE WITH ODOT ITEM 304 CRUSHED LIMESTONE, 12" MIN.

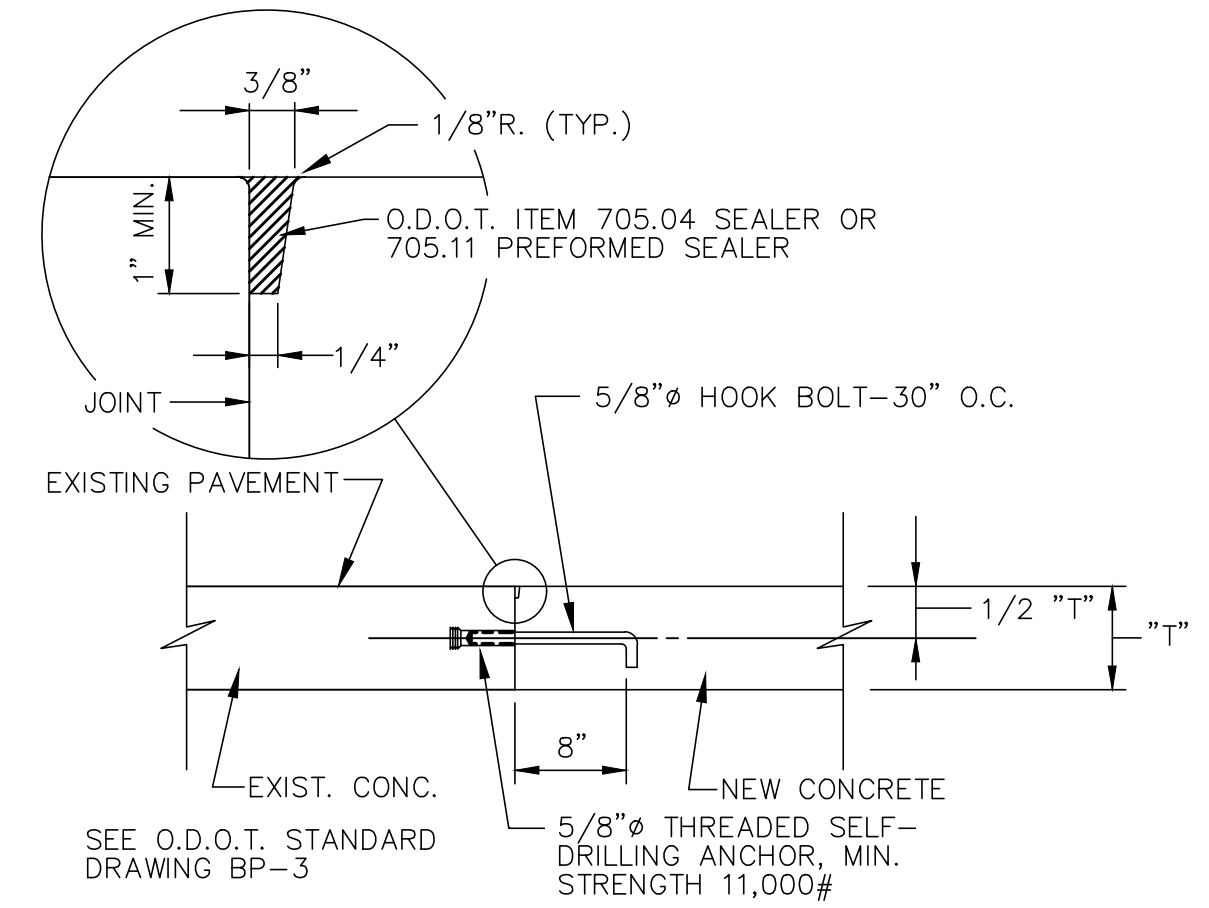
NON-REINFORCED CONCRETE PAVEMENT DETAIL

SCALE: NONE

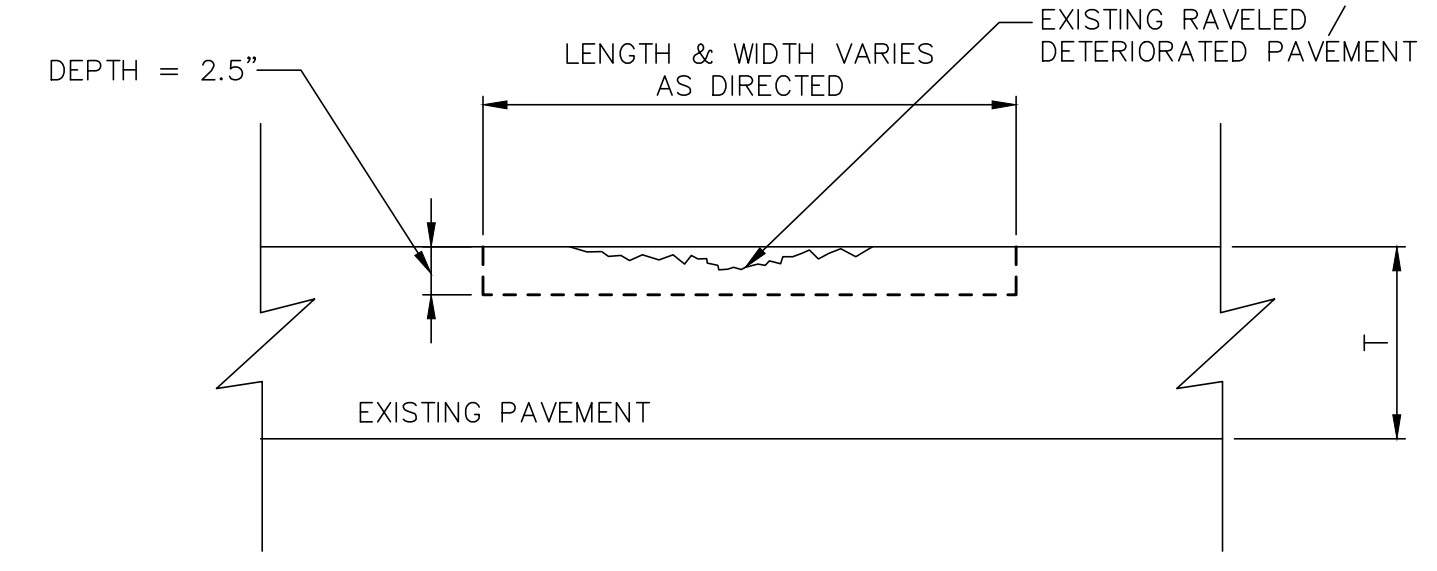


- GEOTEXTILE SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT.
- MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM SURFACE AND VICINITY OF UNIT AFTER EACH STORM EVENT. REMOVE SEDIMENT THAT HAS ACCUMULATED WITHIN THE CONTAINMENT AREA OF THE SILT BARRIER AS NEEDED.
- TO INSTALL CATCH BASIN INLET SILT BARRIER: THE EMPTY SILT BARRIER SHOULD BE PLACED OVER THE GRATE AS THE GRATE STANDS ON END. TUCK THE ENCLOSURE FLAP INSIDE TO COMPLETELY ENCLOSE THE GRATE. HOLDING THE LIFTING DEVICES (DO NOT RELY ON LIFTING DEVICES TO SUPPORT THE ENTIRE WEIGHT OF THE GRATE), PLACE THE GRATE INTO ITS FRAME.

INLET PROTECTION FOR CATCH BASIN IN ROADWAY



LONGITUDINAL BUTT JOINT (PROPOSED TO EXISTING PAVEMENT)



NOTE:
ALL LOOSE AND DETERIORATED MATERIAL SHALL BE MILLED OUT UNTIL STABLE PAVEMENT IS FOUND. THE RESULTING EDGE SHALL BE REASONABLY VERTICAL AND SQUARE TO THE BOTTOM AND SHALL BE TACK COATED PRIOR TO THE PLACEMENT AND COMPACTION OF ODOT ASPHALT CONCRETE SURFACE COURSE, TYPE I, (448), PG64-22

PARTIAL DEPTH PAVEMENT REPAIR (ITEM 251)

ISSUED FOR:	BID	NO.	DATE	REVISION
ISSUE DATE:	AUG 2024			
SCALE:	AS SHOWN			
DESIGNED BY:	AAC			
DRAWN BY:	AAC			
CHECKED BY:	DB			

**CHAGRIN FALLS
2024 ROAD IMPROVEMENTS**
- VILLAGE OF CHAGRIN FALLS, OHIO -

DETAILS

PROJECT NO.	240255
DISCIPLINE	CIVIL
SHEET NAME	D-1
SHEET	8
OF	8