

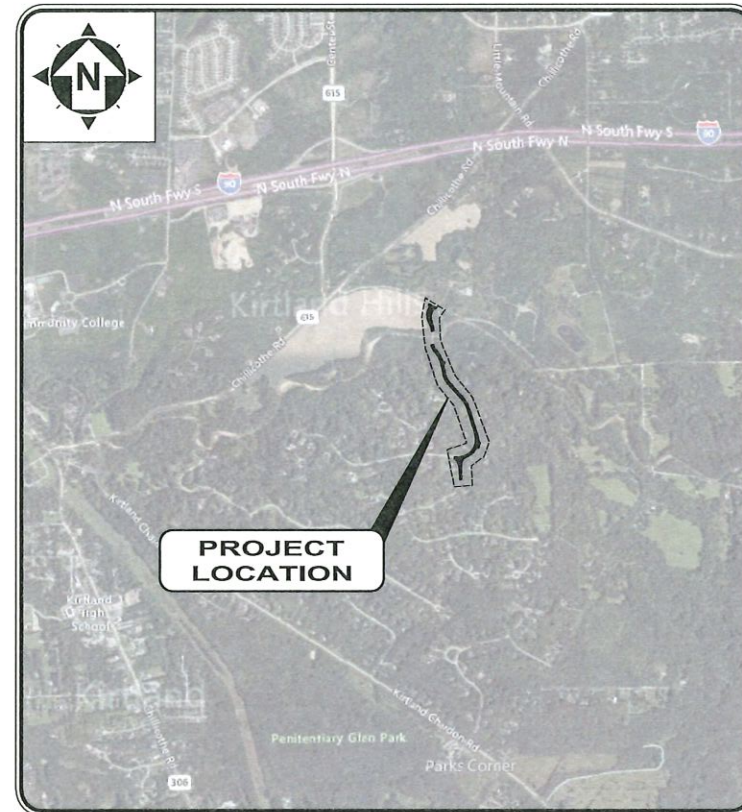
VILLAGE OF KIRTLAND HILLS

SANCTUARY DRIVE PAVEMENT REPAIRS

LAKE COUNTY, OHIO

JULY 2025

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LOCATION MAP
NOT TO SCALE

MEMBERS OF COUNCIL:

LINDA H. HARROLD, COUNCIL PRESIDENT
G.J. KING, VICE PRESIDENT
STEPHEN ALLEN, COUNCIL REPRESENTATIVE
ALYSON SCOTT, COUNCIL REPRESENTATIVE
JEFFREY SHIBLEY, COUNCIL REPRESENTATIVE
JANE THORNBURGH, COUNCIL REPRESENTATIVE
BENJAMIN COOPER, COUNCIL REPRESENTATIVE

VILLAGE OFFICIALS:

JOHN F. TURBEN, MAYOR
MR. STEPHEN BYRON, LAW DIRECTOR
BERNICE SCHREIBER, CLERK/TREASURER
BARRY HENDRICKS, CHIEF OF POLICE
AARON BRANDT, ROAD SUPERVISOR
ANDREW LUBONOVIC, VILLAGE ENGINEER

UTILITIES:

- AT&T
 - CHARTER COMMUNICATIONS (SPECTRUM / TIME WARNER CABLE)
 - DOMINION ENERGY OHIO
 - THE ILLUMINATING CO.
 - VILLAGE OF KIRTLAND HILLS
 - AQUA OHIO INC.
 - LAKE COUNTY UTILITIES
1. 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.
2. THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE @ 1-800-362-2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.



verdantas

ENGINEER:

VERDANTAS
8150 STERLING COURT
MENTOR, OHIO 44060

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

ANDREW R. LUBONOVIC, PE 86204

PROJECT SITE:

THIS PROJECT IS LOCATED ALONG SANCTUARY DRIVE IN THE VILLAGE OF KIRTLAND HILLS, LAKE COUNTY, OHIO.



07/23/2025
DATE

ENGINEER'S PROJECT No. 36989



verdantas

DATE	REVISION	NO	BID	ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
			7-23-2025			AS SHOWN	PTV	PTV	ARL

VILLAGE OF KIRTLAND HILLS
SANCTUARY DRIVE PAVEMENT REPAIRS
KIRTLAND HILLS
LAKE COUNTY, OHIO

COVER

PROJECT NO.	36989
DISCIPLINE	CIVIL
SHEET NAME	C-01
SHEET	1
OF	6

GENERAL

A PRE-CONSTRUCTION CONFERENCE SCHEDULED BY THE VILLAGE OF KIRTLAND HILLS ENGINEER SHALL BE HELD PRIOR TO ANY WORK STARTING.

THE STANDARD SPECIFICATIONS OF THE OHIO DEPARTMENT OF TRANSPORTATION, 2023 EDITION, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS AND STANDARD DRAWINGS, SHALL GOVERN THIS PROJECT, EXCEPT AS MODIFIED BY THE CONTRACT DOCUMENTS.

ALL WORK CONTEMPLATED SHALL BE GOVERNED BY THE RULES, REGULATIONS AND SPECIFICATIONS OF THE VILLAGE OF KIRTLAND HILLS, AT ALL TIMES BE SUBJECT TO THEIR DIRECT SUPERVSION AND INSPECTION.

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

MATERIAL TESTING AND PERMITS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF ALL MATERIAL AND EQUIPMENT TESTING AND ALL PERMITS REQUIRED FOR THIS PROJECT. THE EXECUTED PROJECT CONTRACT SHALL SERVE TO FULFILL THE VILLAGE OF KIRTLAND HILLS PERMITTING REQUIREMENTS.

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 USTED BELOW IN ACCORDANCE WITH SECTION 154.64 OF THE O.R.C. AND AS OUTLINED IN PROJECT SPECIFICATIONS.

THE UTILITY OWNERSHIPS ARE AS FOLLOWS:

OHIO UTILITIES PROTECTION SERVICE 106 WEST RYEN, ROOM 427 YOUNGSTOWN, OHIO 44051 PHONE: (800) 362-2764	DOMINION EAST OHIO 320 SPRINGSIDE DRIVE, SUITE 320 AKRON, OHIO 44333 PHONE: 330-664-2409
VILLAGE OF KIRTLAND HILLS 8026 CHILLICOTHE ROAD KIRTLAND HILLS, OHIO 44060 PHONE: (440) 974-9090	AQUA OHIO INC. 8644 STATION STREET MENTOR, OHIO 44060 PHONE: 440-255-3984
THE ILLUMINATING CO. 6896 MILLER ROAD BRECKSVILLE, OHIO 44141 PHONE: (44) 717-6845	LAKE COUNTY UTILITIES DEPARTMENT 105 MAIN STREET PAINESVILLE, OHIO 44077 PHONE: 440-350-2645
AT&T 13630 LORAIN AVE, ROOM 400 CLEVELAND, OHIO 44111 PHONE: 440-476-6142	CHARTER COMMUNICATIONS 7820 DIVISION DRIVE MENTOR, OHIO 44060 PHONE: 440-974-3401

CONTRACTOR'S RESPONSIBILITY FOR UTILITY PROPERTY AND SERVICES

AT POINTS WHERE THE CONTRACTOR'S OPERATIONS ARE ADJACENT TO PROPERTIES OF TELEGRAPH, TELEPHONE, 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 THE 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 OF ANY CHARACTER, DURING THE PROSECUTION OF THE WORK, RESULTING FROM ANY ACT, OMISSION, NEGLECT, 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 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, NEGLECT, OR MISCONDUCT IN THE EXECUTION OF THE WORK, OR IN CONSEQUENCE OF THE NONEXECUTION THEROF BY THE CONTRACTOR, HE SHALL RESTORE, SALVAGE AND REPLACE 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 HE SHALL MAKE GOOD SUCH DAMAGE OR INJURY IN AN ACCEPTABLE MANNER.

WHEN MAIL/PAPER BOXES, ROAD OR STREET NAME SIGNS AND SUPPORTS INTERFERE WITH CONSTRUCTION, THE CONTRACTOR SHALL REMOVE AND ERECT THEM IN A TEMPORARY LOCATION DURING CONSTRUCTION IN A MANNER SATISFACTORY TO THE POST OFFICE AND THE ENGINEER. MAIL SERVICE SHALL NOT BE INTERRUPTED DURING CONSTRUCTION. AFTER COMPLETION OF THE IMPROVEMENTS AND BEFORE FINAL ACCEPTANCE OF THE PROJECT. THE CONTRACTOR SHALL ERECT MAIL/PAPER 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 CLEARING AND GRUBBING.

THE CONTRACTOR SHALL KEEP STREETS CLEAN OF ALL DEBRIS FROM WORK ASSOCIATED WITH THIS CONTRACT. STREETS SHALL BE CLEANED AT THE END OF EACH WORK DAY AND AT ADDITIONAL TIMES AS NECESSARY.

SUBSURFACE INVESTIGATIONS

IT IS THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO MAKE HIS OWN INVESTIGATION OF SUBSURFACE CONDITIONS PRIOR TO SUBMITTING HIS PROPOSAL. SUBSURFACE SOIL INVESTIGATIONS WERE NOT PERFORMED FOR THIS PROJECT.

CLEARING AND GRUBBING

ALL TREES, STUMPS, ROOTS, SHRUBS, EXCESS EXCAVATION AND OTHER SITE DEBRIS REMOVED FROM THE WORK LIMITS SHALL BE DISPOSED OF BY THE CONTRACTOR. STUMPS SHALL NOT BE BURIED WITHIN THE CORPORATION LIMITS OF THE VILLAGE OF KIRTLAND HILLS. ANY SITE PROPOSED FOR DISPOSAL SHALL BE IDENTIFIED BY THE CONTRACTOR INCLUDING ALL AGREEMENTS AND STIPULATIONS ASSOCIATED WITH THE USE OF THE SITE(S).

CONNECTION OF EXISTING DRAINAGE FACILITIES TO PROPOSED STORM SEWER

EXISTING STORM SEWERS, ROOF DRAINS, FOOTER DRAINS, YARD DRAINS, AND/OR FIELD TILES ENCOUNTERED OR DISTURBED BY THE PROPOSED WORK SHALL BE CONNECTED TO THE PROPOSED STORM SEWER OR DRAINAGE CHANNEL FACILITIES WITH UNOBSTRUCTED OUTLETS. THE LOCATION, TYPE, SIZE AND GRADE OF REQUIRED REPLACEMENTS OR CONNECTIONS SHALL BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION. THE COST TO CONNECT EXISTING DRAINAGE FACILITIES TO PROPOSED FACILITIES ARE TO BE INCLUDED IN THE UNIT PRICES BID FOR THE PROPOSED STRUCTURE. COST OF NECESSARY BENDS, COUPLINGS, CONCRETE COLLARS, FITTINGS AND TEE CONNECTIONS INTO THE PROPOSED STORM SEWER SHALL BE INCLUDED IN THE PAYMENT FOR THE PERTINENT CONDUIT ITEM.

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.

DRIVEWAY AND ROADWAY PAVEMENT REPLACEMENT

ALL PAVEMENT REPLACEMENT SHALL BE CONDUCTED UNDER SUITABLE WEATHER CONDITIONS. THE ENGINEER SHALL BE NOTIFIED IN ADVANCE OF ANY PROPOSED PAVEMENT REPLACEMENT TO DETERMINE THE SUITABILITY OF WEATHER CONDITIONS FOR PAVEMENT REPLACEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINENCE OF ALL ROADWAYS AND DRIVES WITH A TEMPORARY ASPHALT OR CONCRETE PAVEMENT PRIOR TO FINAL REPAIR. THE COST OF TEMPORARY SURFACE MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE RESPECTIVE ITEM OF WORK.

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 CONSULTING ENGINEER.

EROSION AND DUST CONTROL

- SEDIMENT CONTROL SHALL BE ACCOMPLISHED BY SODDING AND MULCHING IMMEDIATELY UPON COMPLETION OF EXCAVATION OR FILL AND FINISH GRADING IN ACCORDANCE WITH ODOT ITEM 659 OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BEGIN THE RESTORATION PROCESS AS SOON AS CONSTRUCTION IS COMPLETED, PERMANENTLY STABILIZING EACH DISTURBED AREA WITH PERENNIAL VEGETATION INSTALLED ACCORDING TO SOIL CONSERVATION SERVICE STANDARDS AND SPECIFICATIONS.
- 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.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY, WHEN ORDERED BY THE ENGINEER, WATER OR CALCIUM CHLORIDE FOR THE REDUCTION OF DUST NUISANCE ORIGINATING FROM HIS CONSTRUCTION ACTIVITIES. SUFFICIENT QUANTITIES OF CALCIUM CHLORIDE OR WATER SHALL BE STORED ON THE JOBSITE AT ALL TIMES TO BE USED FOR DUST CONTROL UNTIL THE AREA IS SEEDED. THE COST OF WATER OR CALCIUM CHLORIDE DUST CONTROL SHALL BE INCLUDED IN THE APPROPRIATE UNIT BID PRICE.

PROHIBITED CONSTRUCTION ACTIVITIES

- DISPOSING OF EXCESS OR UNSUITABLE EXCAVATED MATERIAL IN WETLANDS OR FLOODPLAINS, 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 ESTABUSHMENT, OR PLACE OF RESIDENCE; OR
 - BY VEHICLES TO DRIVEWAYS WITHOUT THE PROVISION OF ALTERNATIVE MEANS OF BUILDING INGRESS AND EGRESS.
 - CONSTRUCTION STAGING OF VEHICLES, SOIL, OR CONSTRUCTION MATERIALS SHOULD NOT BE ON OR NEAR THE RIVERBANK AS WELL
- NO WORK SHALL BE PERFORMED BETWEEN THE HOURS OF 7:30PM TO 7:30AM.

CONTINGENCY ITEMS

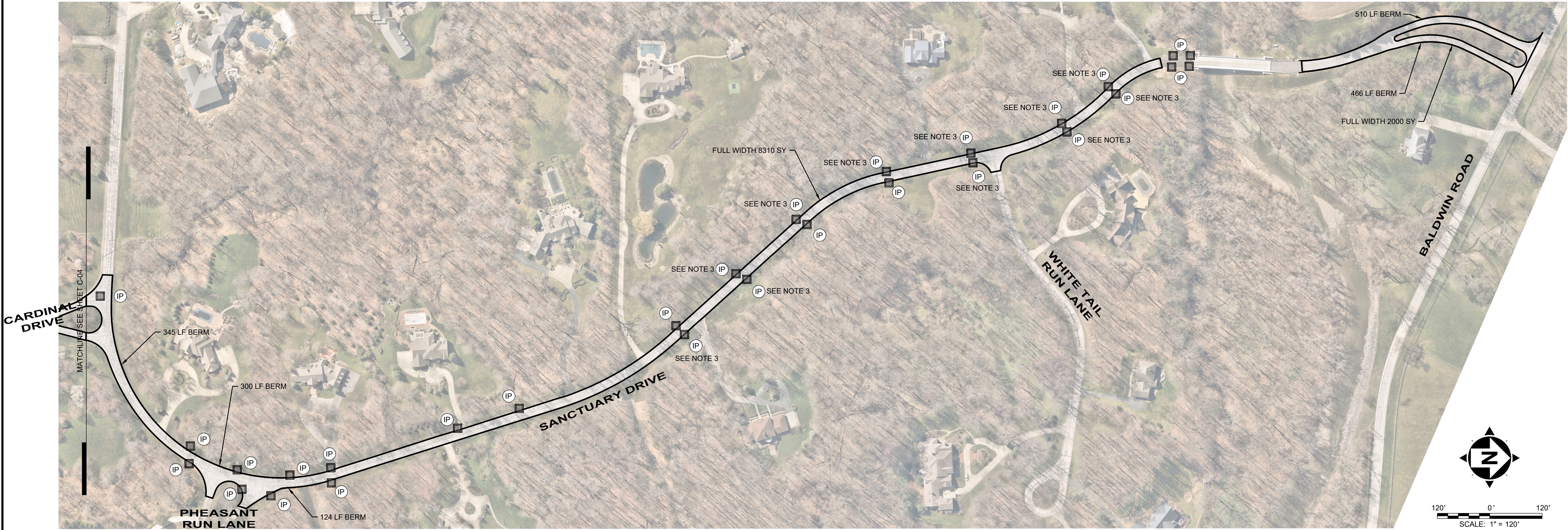
- THE FOLLOWING QUANTITIES HAVE BEEN CARRIED OVER TO THE BID PROPOSAL ITEMS AND ARE TO BE USED ONLY AS DIRECTED BY THE ENGINEER:
 - THE FOLLOWING QUANTITY IS IN THE BID FOR ADDITIONAL PAVEMENT REPLACEMENT THAT MAY BE NECESSARY DUE TO THE WORK ASSOCIATED WITH THE PROJECT AND POOR PAVEMENT CONDITIONS ENCOUNTERED. PAVEMENT REPAIR AND CURB AREAS SHALL BE IDENTIFIED BY THE ENGINEER FOLLOWING THE COMPLETION OF MILLING OPERATIONS. A DESIGNATED ON-SITE REPRESENTATIVE OF THE CONTRACTOR IS REQUIRED TO BE PRESENT DURING THE MARKING:
 - PAVEMENT REPAIR, AS PER PLAN
 - THE FOLLOWING QUANTITY IS IN THE BID FOR CURB INLET ADJUSTED TO GRADE. ALL CURB INLETS NOT EXPLICITLY DESIGNATED FOR ADJUSTMENT/RECONSTRUCTION ON THE PLANS SHALL BE EVALUATED UPON COMPLETION OF THE INTERMEDIATE COURSE:
 - (611) CURB INLET ADJUSTED TO GRADE - 4 EACH
 - CURB, TYPE 6, QCMS CONCRETE, INCLUDING REMOVAL, AS PER PLAN - 100LF




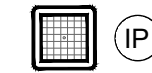
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ISSUE DATE:	7-23-2025			
SCALE:	AS SHOWN			
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CHECKED BY:	ARL			

VILLAGE OF KIRTLAND HILLS SANCTUARY DRIVE PAVEMENT REPAIRS KIRTLAND HILLS LAKE COUNTY, OHIO	NOTES
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PROJECT NO.	
36989	
DISCIPLINE	
CIVIL	
SHEET NAME	
C-02	
SHEET	OF
2	6



LEGEND

-  MILL AND OVERLAY:
PAVEMENT PLANING ASPHALT CONCRETE, AS PER PLAN (3" DEPTH)
1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG-64-22, AS PER PLAN
TACK COAT, TRACKLESS TACK
1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG-64-22, AS PER PLAN
-  INLET PROTECTION

NOTES:

- EXISTING INFORMATION IS ILLUSTRATED UTILIZING AERIAL IMAGERY AND RECORD DRAWINGS.
- PAVEMENT MARKINGS SHALL MATCH EXISTING UNLESS NOTED OTHERWISE.
- NOTED CURB INLETS ARE DESIGNATED TO BE PARTIALLY RECONSTRUCTED TO GRADE.



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VILLAGE OF KIRTLAND HILLS
SANCTUARY DRIVE PAVEMENT REPAIRS
KIRTLAND HILLS LAKE COUNTY, OHIO

SANCTUARY DRIVE PLAN

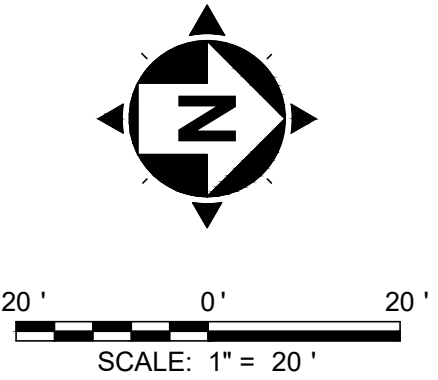
PROJECT NO. 36989	
DISCIPLINE CIVIL	
SHEET NAME C-03	
SHEET 3	OF 6



LEGEND

- MILL AND OVERLAY:
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1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG-64-22, AS PER PLAN
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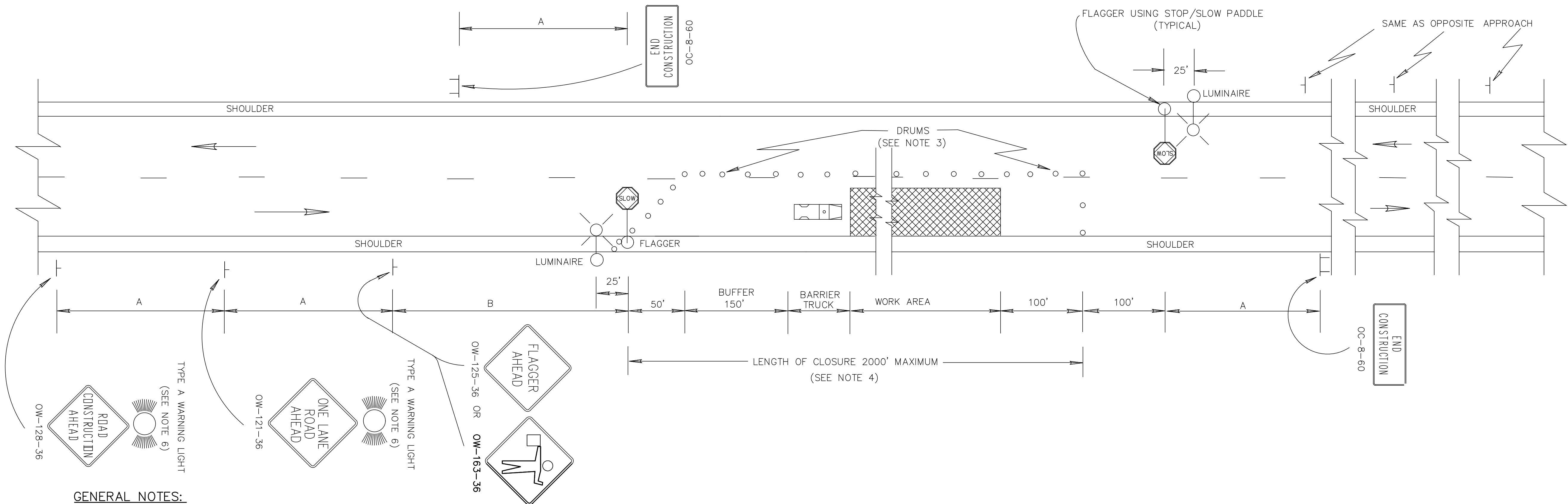
- NOTES:
- EXISTING INFORMATION IS ILLUSTRATED UTILIZING AERIAL IMAGERY AND RECORD DRAWINGS.
 - PAVEMENT MARKINGS SHALL MATCH EXISTING UNLESS NOTED OTHERWISE.



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VILLAGE OF KIRTLAND HILLS
SANCTUARY DRIVE PAVEMENT REPAIRS
KIRTLAND HILLS LAKE COUNTY, OHIO
CARDINAL DRIVE - ALTERNATE
PLAN

PROJECT NO.	
36989	
DISCIPLINE	
CIVIL	
SHEET NAME	
C-04	
SHEET	OF
4	6



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 LUMINAIRES OR 250 WATT MINIMUM MERCURY LUMINAIRES. LUMINAIRES SHALL BE LOCATED ADJACENT TO ONE FLAGGER STATION FOR EACH DIRECTION OF TRAFFIC AS SHOWN ABOVE. THE MOUNTING HEIGHT FOR LUMINAIRES 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 APPROVED ENGR. OF DESIGN SERVICES	



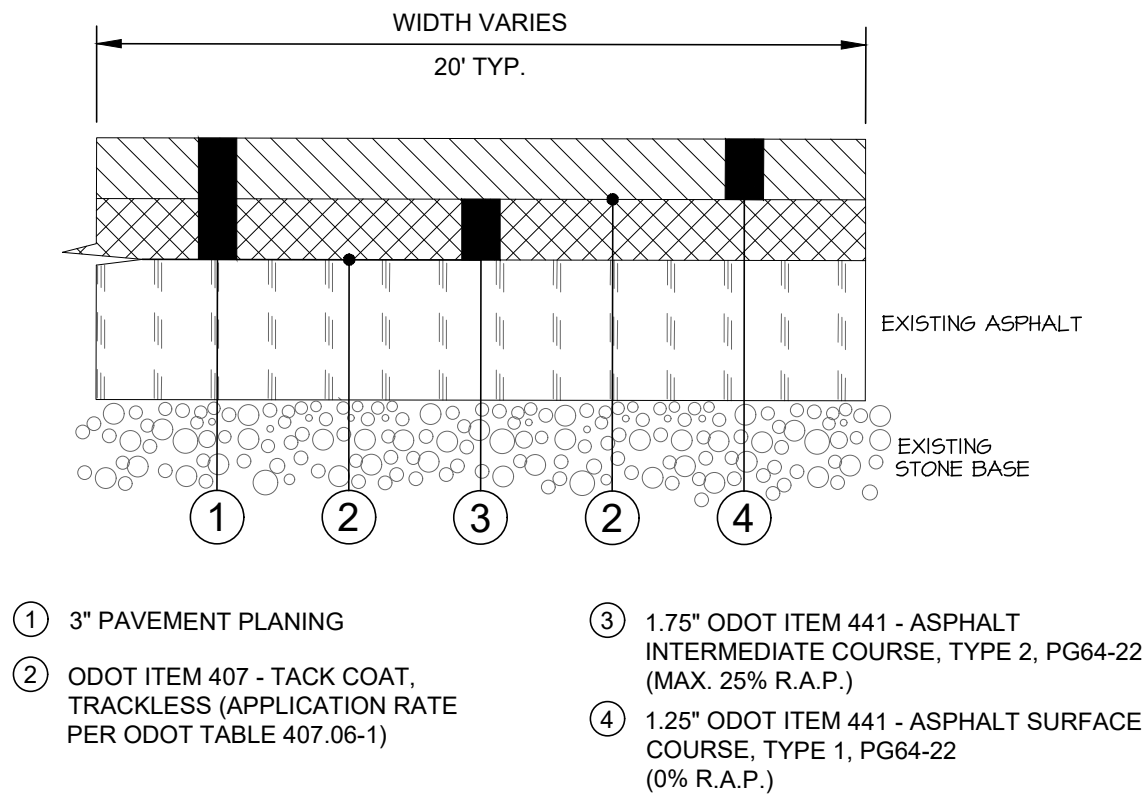
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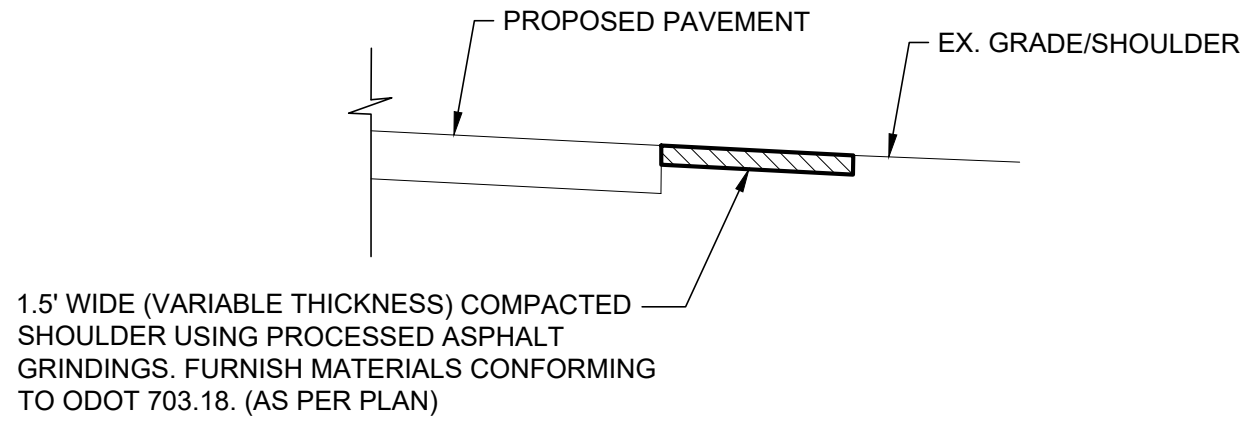
**VILLAGE OF KIRTLAND HILLS
SANCTUARY DRIVE PAVEMENT REPAIRS
KIRTLAND HILLS
LAKE COUNTY, OHIO**

MAINTENANCE OF TRAFFIC

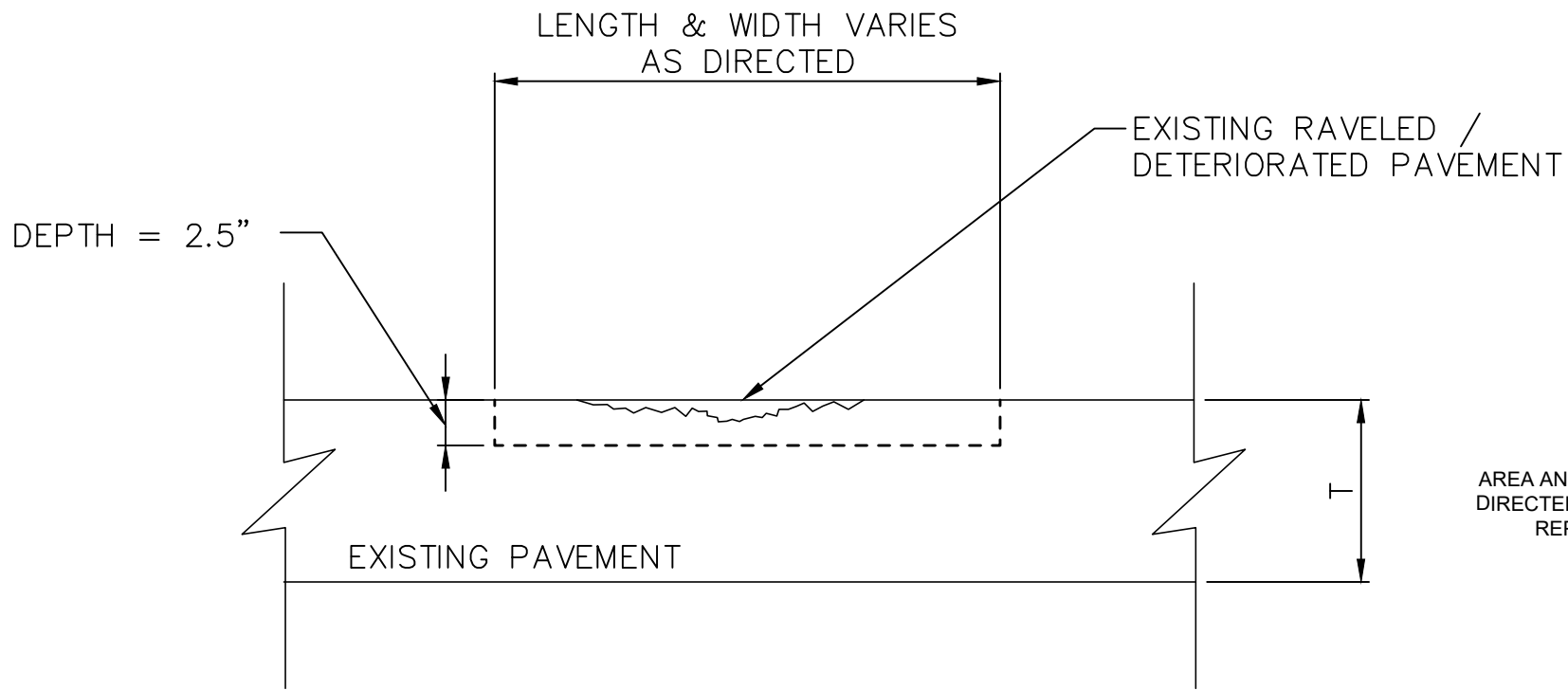
PROJECT NO. 36989	
DISCIPLINE CIVIL	
SHEET NAME C-05	
SHEET 5	OF 6



PAVEMENT RESURFACING DETAIL



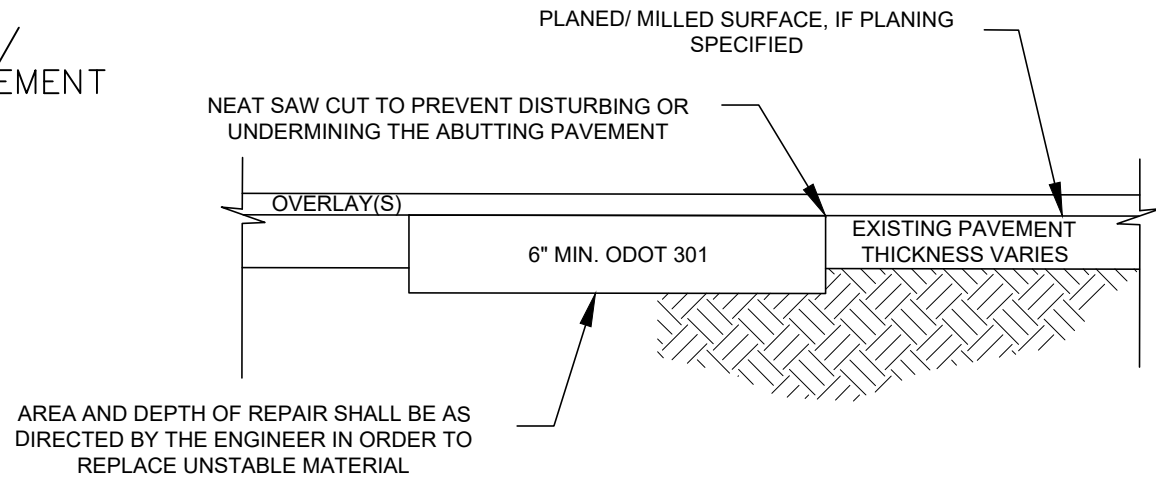
BERM PREPARATION (ITEM 617)



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

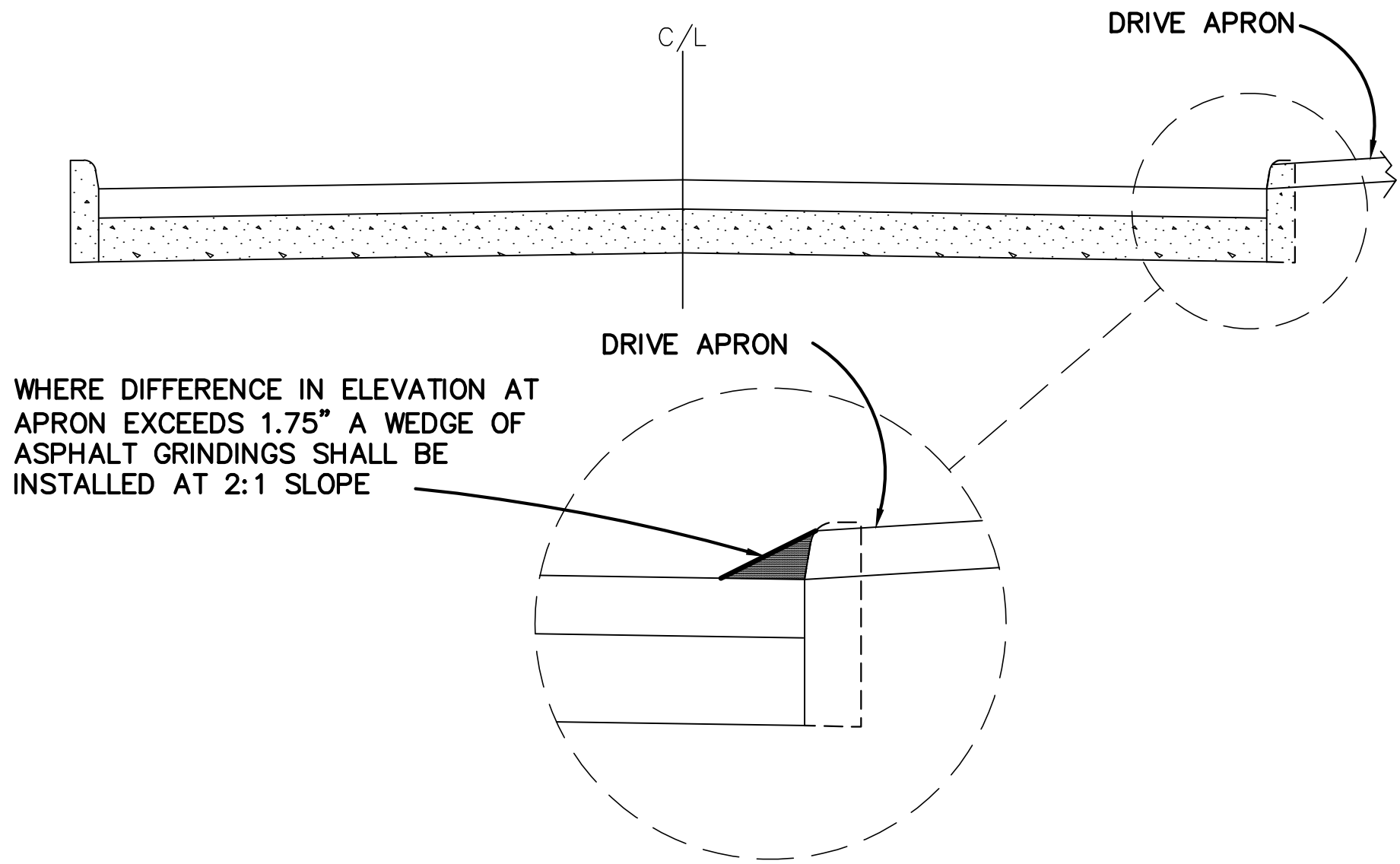
PARTIAL DEPTH PAVEMENT REPAIR DETAIL (ITEM 251)

NOTE: ITEM SHALL BE USED AS DIRECTED

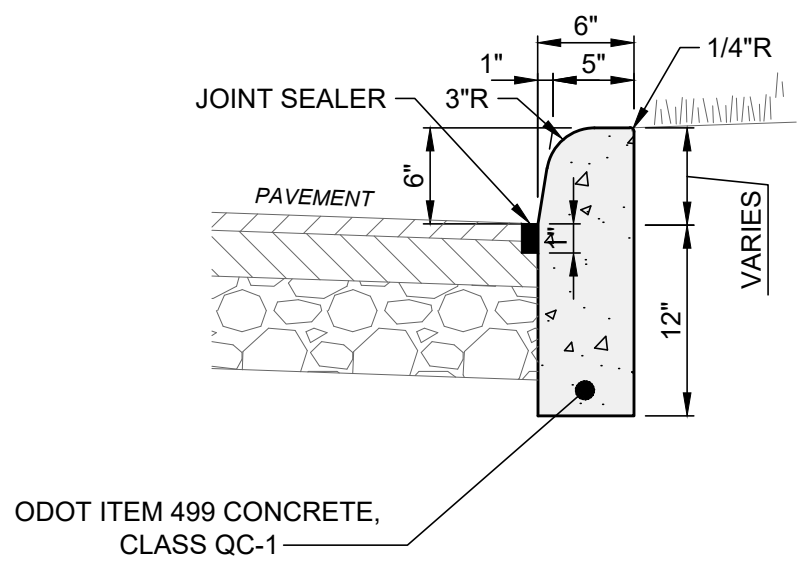


PAVEMENT REPAIR DETAIL (ITEM 253)

NOTE: ITEM SHALL BE USED AS DIRECTED



APRON WEDGE DETAIL

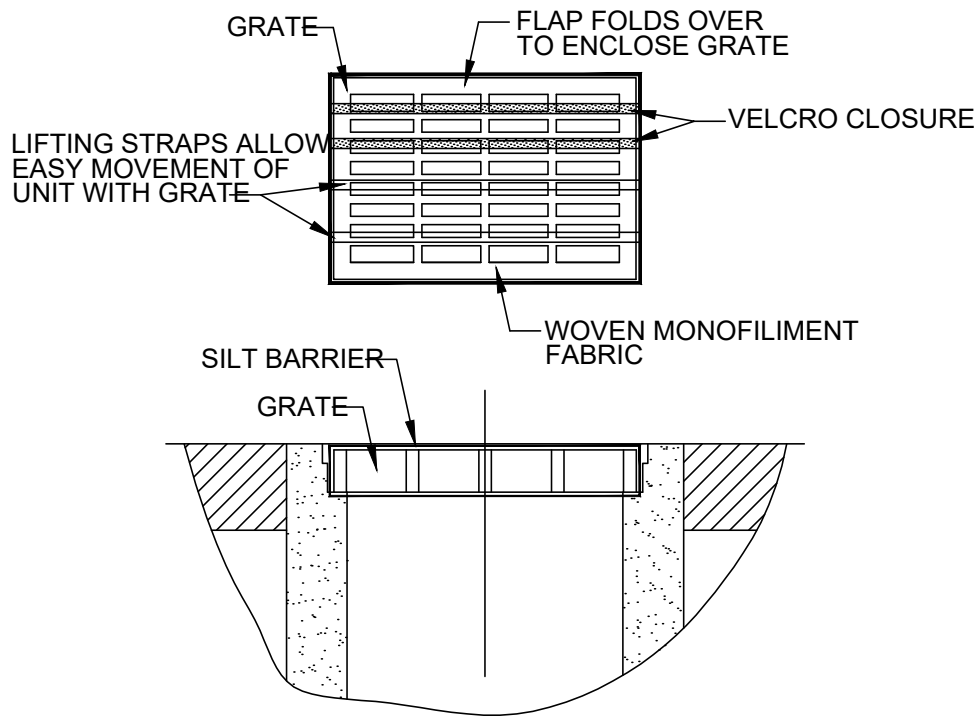


NOTES:

- ALL VOIDS BETWEEN THE EXISTING PAVEMENT AND THE CURB SHALL BE FILLED WITH CONCRETE WITHIN THE SAME DAY AS THE CURB INSTALLATION.

TYPE 6 CURB REPLACEMENT DETAIL

NOTE: ITEM SHALL BE USED AS DIRECTED



- 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



verdantas

ISSUED FOR:	BID	NO	REVISION	DATE
ISSUE DATE:	7-23-2025			
SCALE:	AS SHOWN			
DESIGNED BY:	PTV			
DRAWN BY:	PTV			
CHECKED BY:	ARL			

VILLAGE OF KIRTLAND HILLS
SANCTUARY DRIVE PAVEMENT REPAIRS
KIRTLAND HILLS
LAKE COUNTY, OHIO

DETAILS

PROJECT NO.	
36989	
DISCIPLINE	
CIVIL	
SHEET NAME	
C-06	
SHEET	OF
6	6