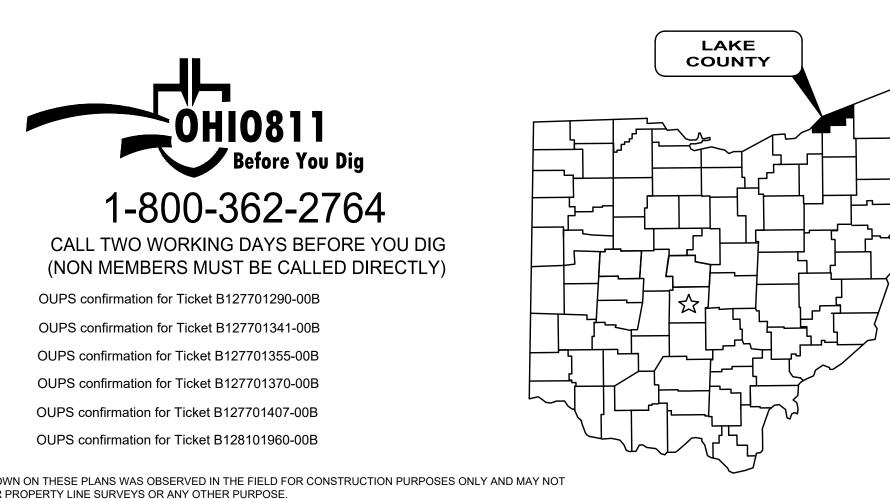
# BID SET 10-23-24 **CITY OF MENTOR-ON-THE-LAKE** SOUTHLAND ROAD DRAINAGE SYSTEM IMPROVEMENTS LAKE COUNTY, OHIO **OPWC PROJECT No. CG31AB / CG32AB**

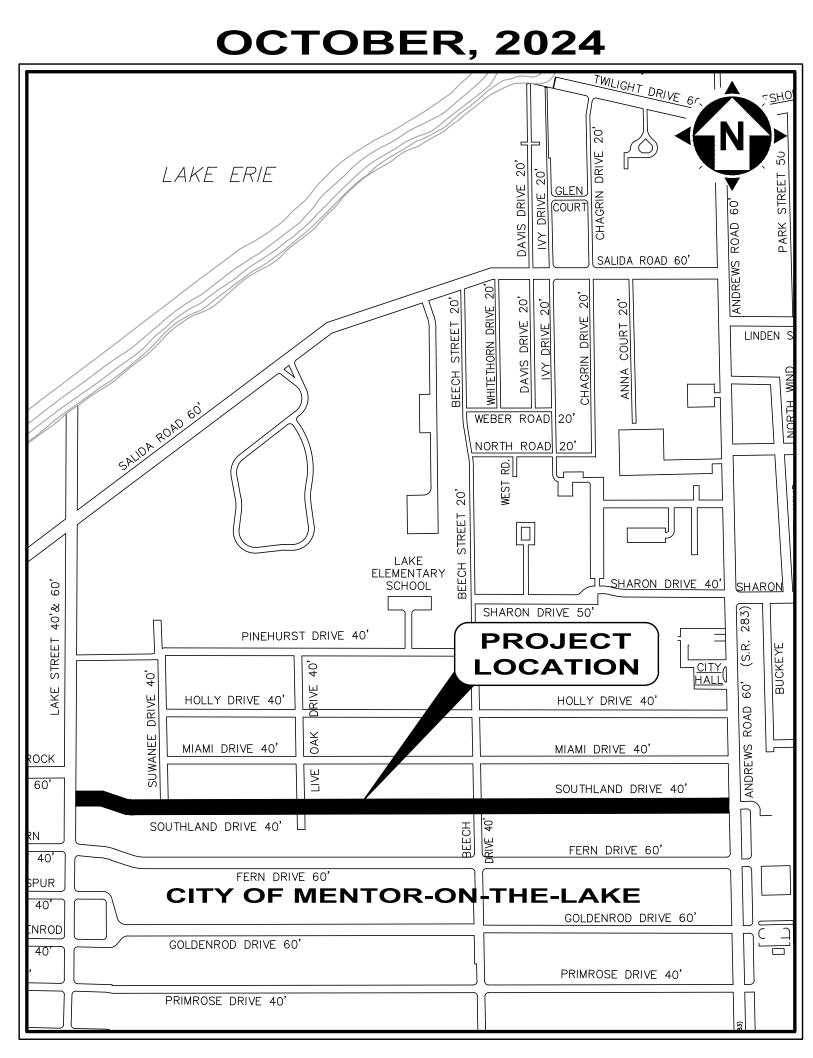
Sheet List Table					
Sheet Number	Sheet Title				
1	COVER				
2	CONSTRUCTION DETAILS - 1				
3 CONSTRUCTION DETAILS - 2					
4	CONSTRUCTION DETAILS - 3				
5	GENERAL NOTES				
6	MAINT OF TRAFFIC NOTES				
7 PLAN & PROFILE - 1					
8	PLAN & PROFILE - 2				
9	PLAN & PROFILE - 3				
10	PLAN & PROFILE - 4				
11	PLAN & PROFILE - 5				
12	PLAN & PROFILE - 6				
13	PLAN & PROFILE - 7				
14	SURVEY CONTROL				



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

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 BUII DINGS

THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE @ 1-800-362-2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.



# **ADMINISTRATION:**

DAVID EWA
JACLYN MARTIN
JIM TUROSKY
JAMES M. LYONS
TIM LANNON

# **CITY COUNCIL:**

DESIREA THOMPSON, COUNCIL VICE PRESIDENT, WARD 4 JIM LUNDER, COUNCIL-AT-LARGE VIRGINIA JEANNIE WONG, WARD 1 SKIP GRAY, WARD 2 **ROBERT JOHNSON, WARD 3** MICHELLE MOORE, COUNCIL-AT-LARGE **KEVIN BITTNER, COUNCIL-AT-LARGE** TAYLOR CONNER, COUNCIL CLERK







**ENGINEER'S PROJECT No. 210645** 

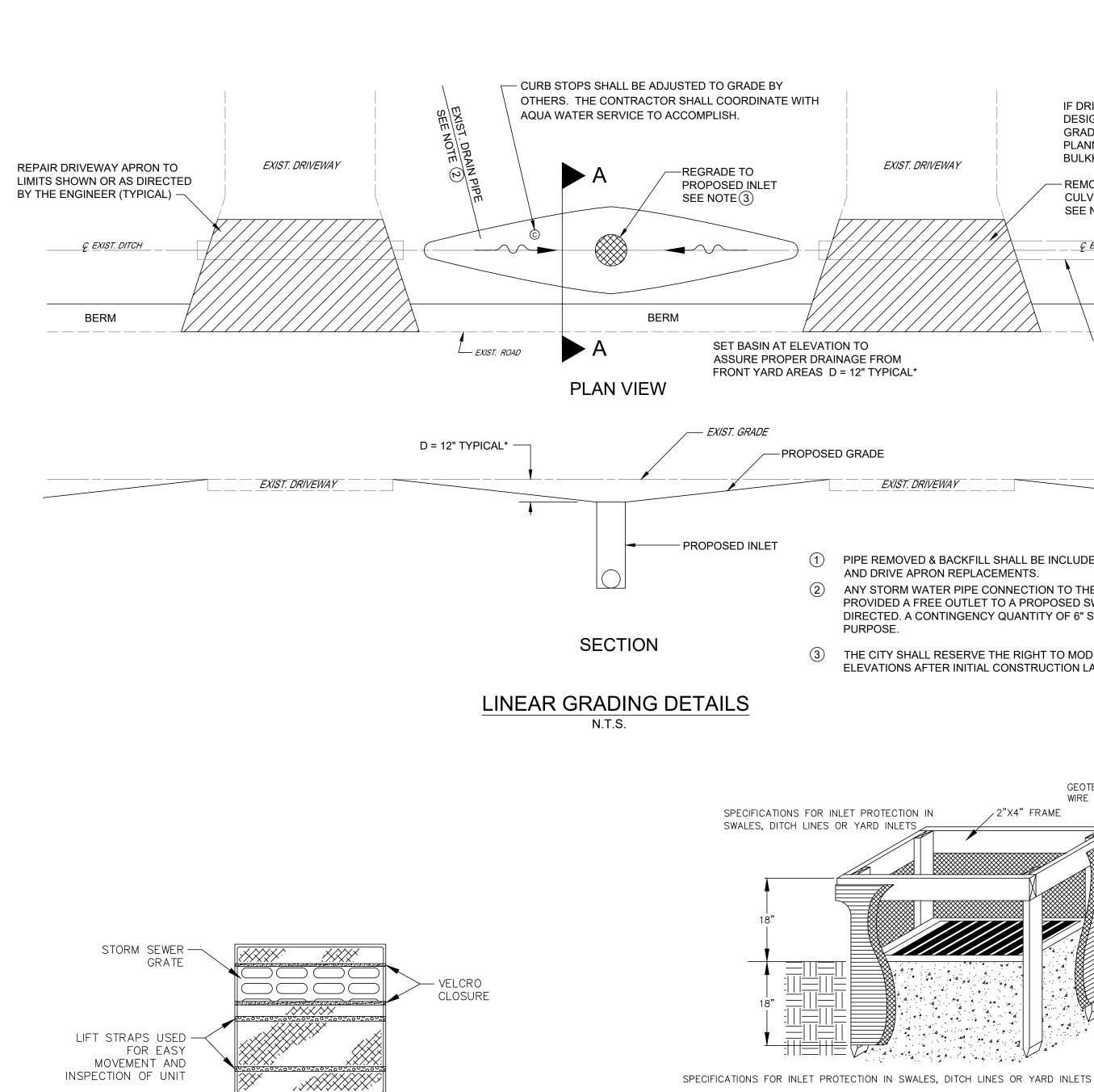
TIMOTHY R. LANNON

 .MAYOR
 ADMINISTRATIVE DIRECTOR
 SERVICE DEPARTMENT
 LAW DIRECTOR
 CITY ENGINEER



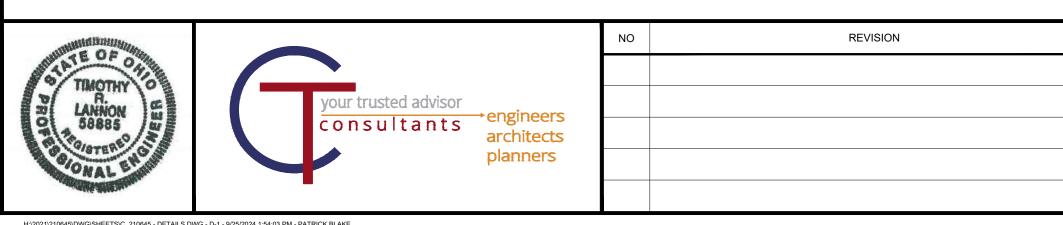
P.E. No. 58885

10/23/24 DATE



- DRAIN BECOMES OPERATIONAL.

- 5.
- OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.
- ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.



-DANDY BAG®

DANDY BAG

(INLET PROTECTION ALTERNATE)

H:\2021\210645\DWG\SHEETS\C\_210645 - DETAILS.DWG - D-1 - 9/25/2024 1:54:03 PM - PATRICK BLAKE

STORM SEWER-

GRATE

DATE	CITY OF MENTOR-ON-THE-LAKE	ISSUED FOR:	REVIEW	
		ISSUE DATE:	10/11/2024	
	SOUTHLAND ROAD DRAINAGE	SCALE:	AS SHOWN	
	SYSTEM IMPROVEMENTS	DESIGNED BY:	JPL/PAB	
		DRAWN BY:	GMS/PAB	
	LAKE COUNTY, OHIO	CHECKED BY:	TRL	

## **INLET PROTECTION**

7. A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW TO A SETTLING POND. THE TOP OF EARTH DIKES SHALL BE AT LEAST 6 INCHES HIGHER THAN THE TOP OF THE FRAME.

6. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6 INCH LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH

INCHES BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS

GEOTEXTILE SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18

4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.

3. THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2-BY-4-INCH CONSTRUCTION-GRADE LUMBER. THE 2-BY-4-INCH POSTS SHALL BE DRIVEN 1 FOOT INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2-BY-4-INCH FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 INCHES BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.

2. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH AT LEAST 18 INCHES.

1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM

COMPACT BACKFILL AROUND 

∠2"X4" FRAME

PURPOSE. (3) THE CITY SHALL RESERVE THE RIGHT TO MODIFY DITCH INLET LOCATIONS AND ELEVATIONS AFTER INITIAL CONSTRUCTION LAYOUT STAKING IS COMPLETED.

DIRECTED. A CONTINGENCY QUANTITY OF 6" STORM SEWER HAS BEEN PROVIDED FOR THIS

AND DRIVE APRON REPLACEMENTS. ANY STORM WATER PIPE CONNECTION TO THE EXISTING DITCH OR PIPES SHALL BE PROVIDED A FREE OUTLET TO A PROPOSED SWALE, CATCH BASIN OR STORM SEWER AS

(1) PIPE REMOVED & BACKFILL SHALL BE INCLUDED IN VARIOUS STORM SEWER INSTALLATION

GEOTEXTILE OVER WIRE MESH BACKING

EXIST. DRIVEWAY

IF DRIVE PIPE IS NOT SPECIFICALLY

DESIGNATED FOR REMOVAL, AND GRADING BETWEEN DRIVES IS PLANNED, DRIVE PIPE SHALL BE

BULKHEADED.

SEE NOTE (1)

Ç EXIST. DITCH

BERM

- REMOVE EXIST. YARD PIPE

CULVERTS AS DIRECTED BY

THE ENGINEER. SEE NOTE (1)

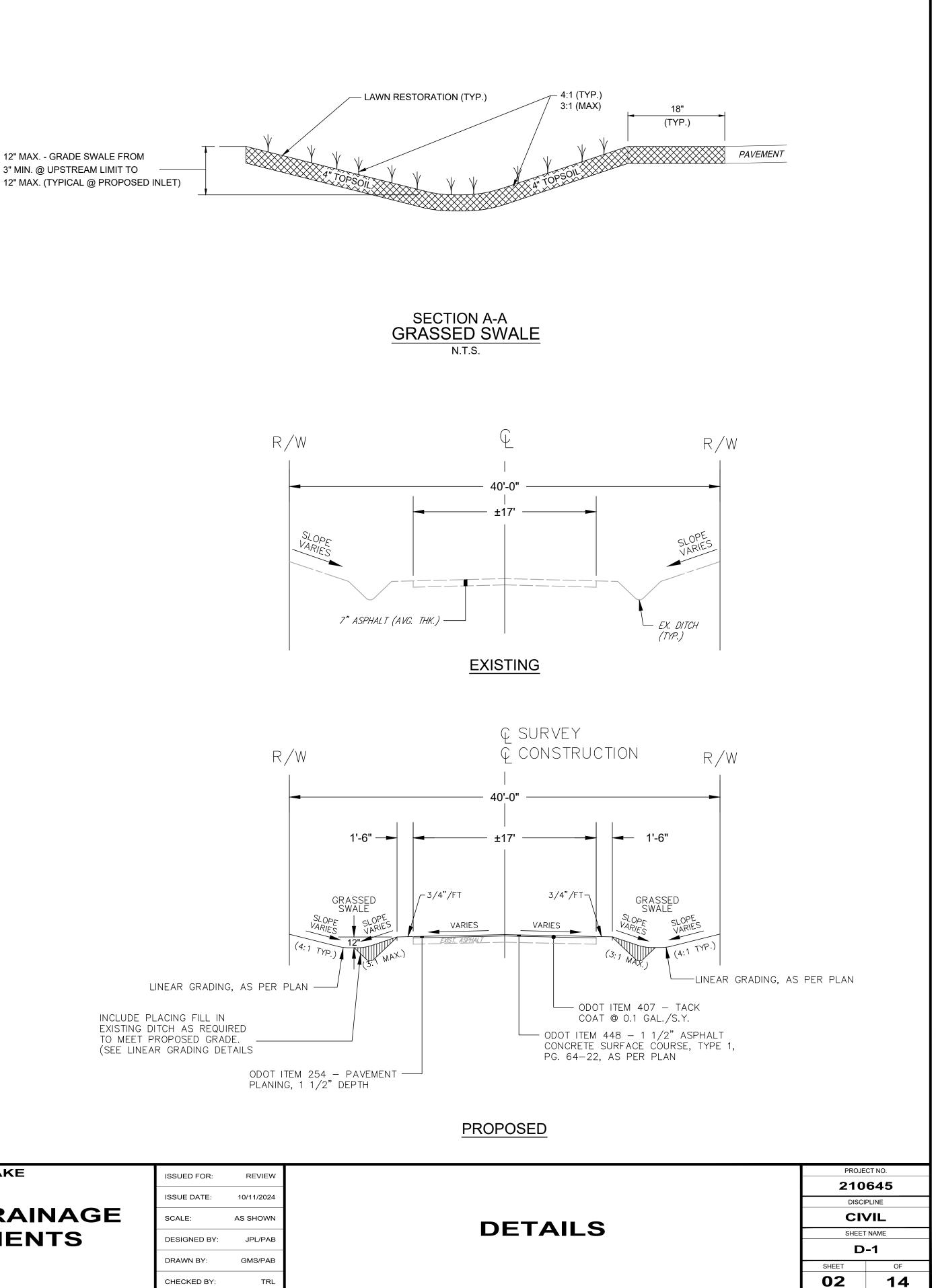
REMOVE DRIVE PIPE

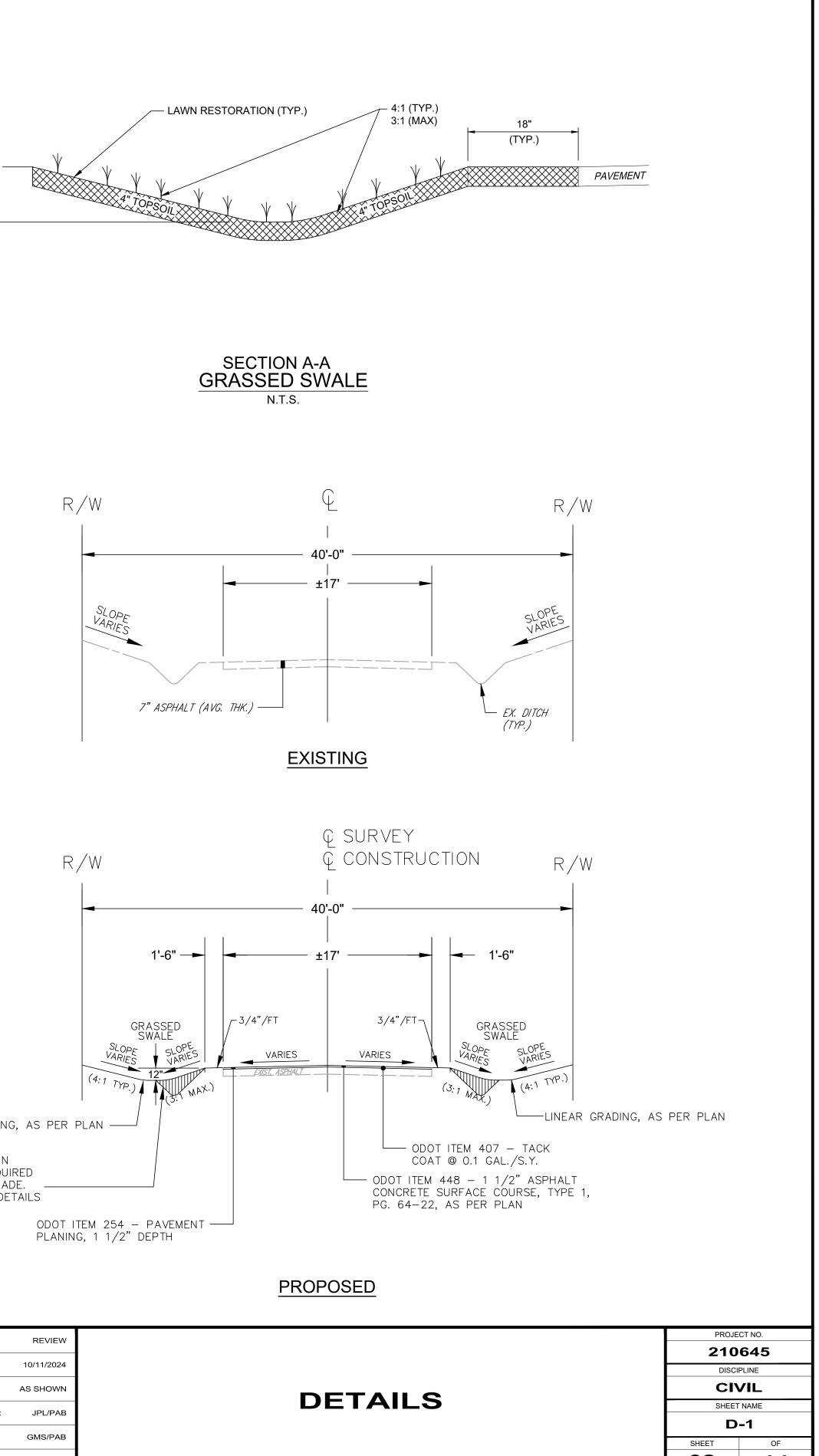
CULVERT (TYPICAL)

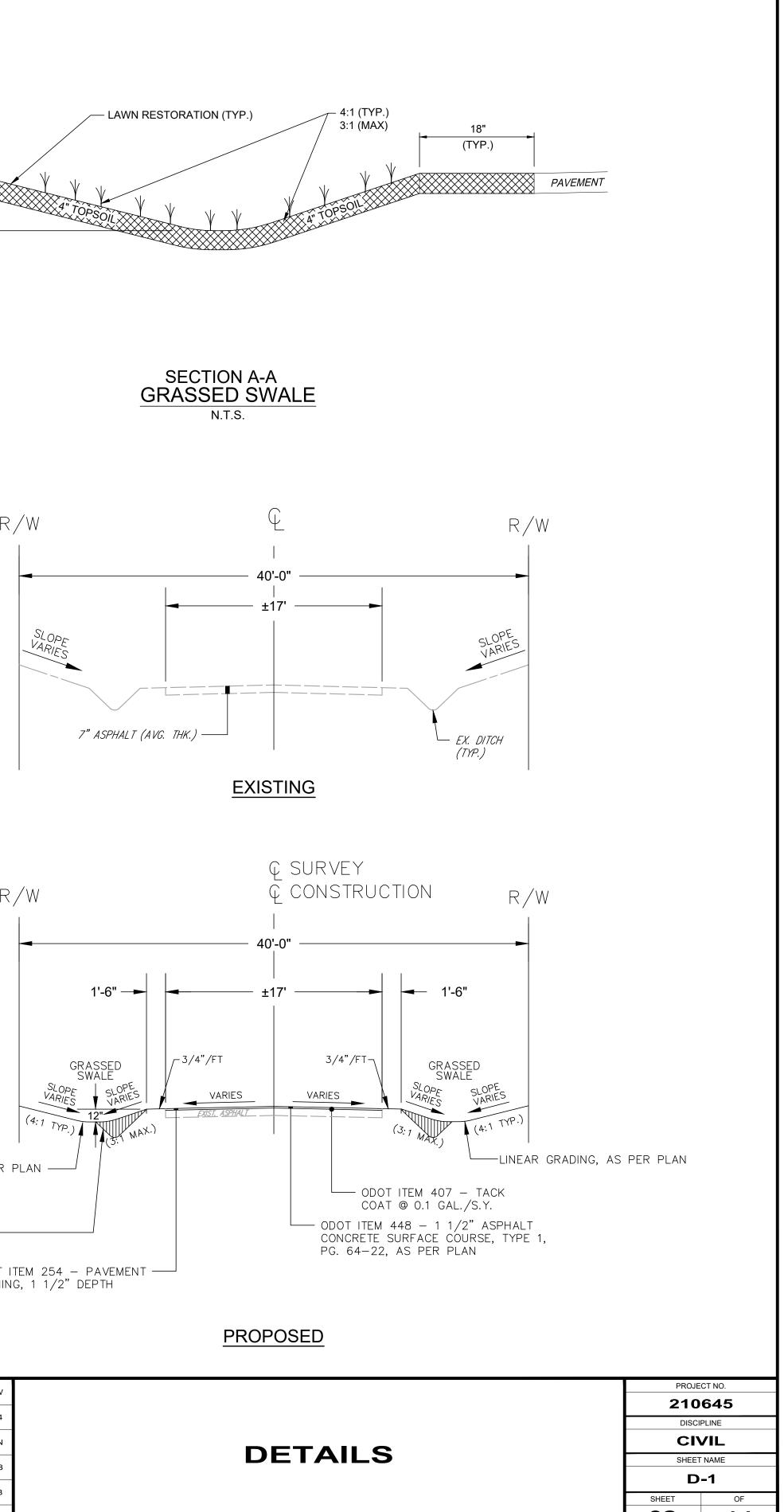
EXIST. DRIVEWAY

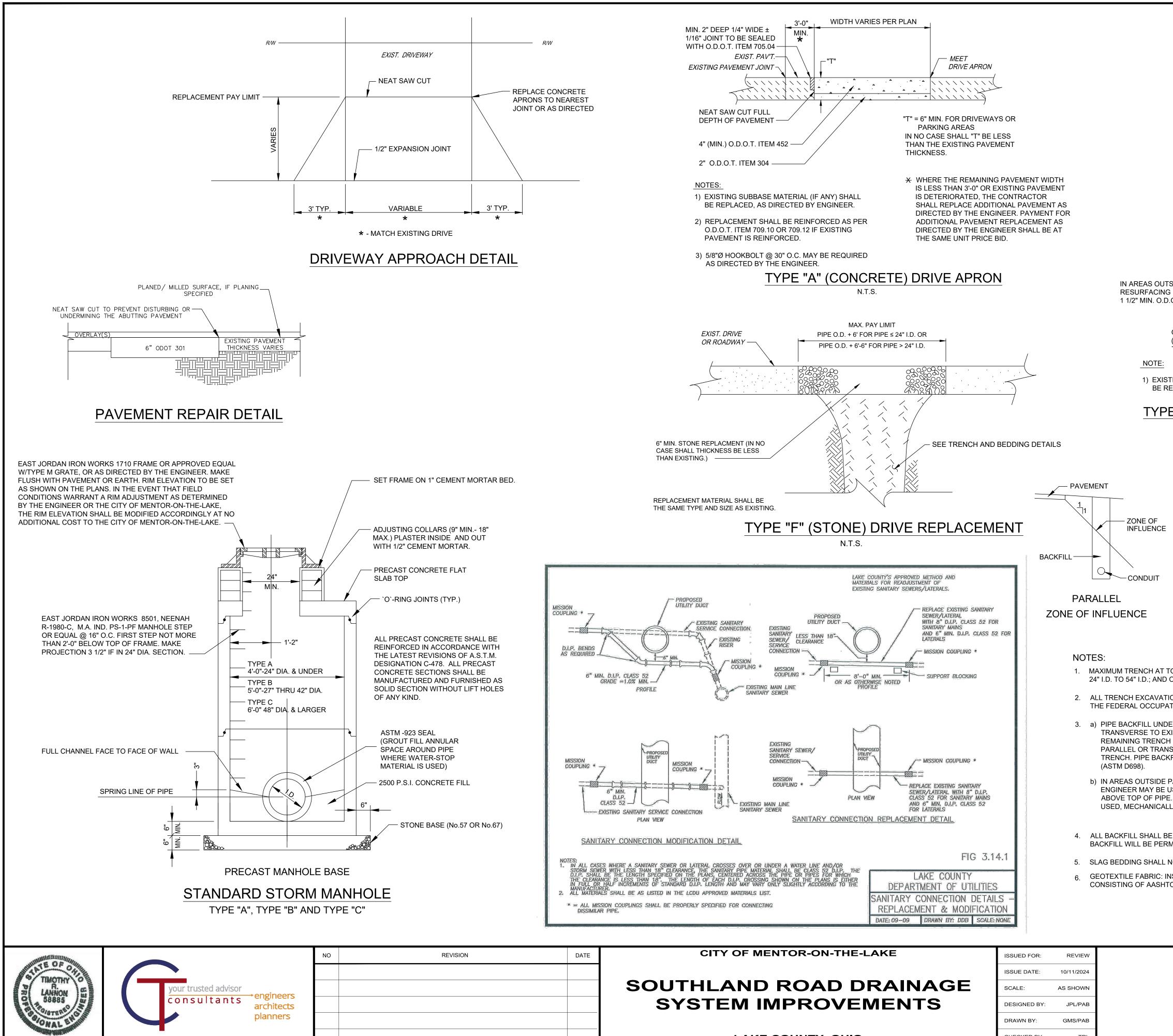
3" MIN. @ UPSTREAM LIMIT TO 12" MAX. (TYPICAL @ PROPOSED INLET)

INCLUDE PLACING FILL IN EXISTING DITCH AS REQUIRED TO MEET PROPOSED GRADE. (SEE LINEAR GRADING DETAILS





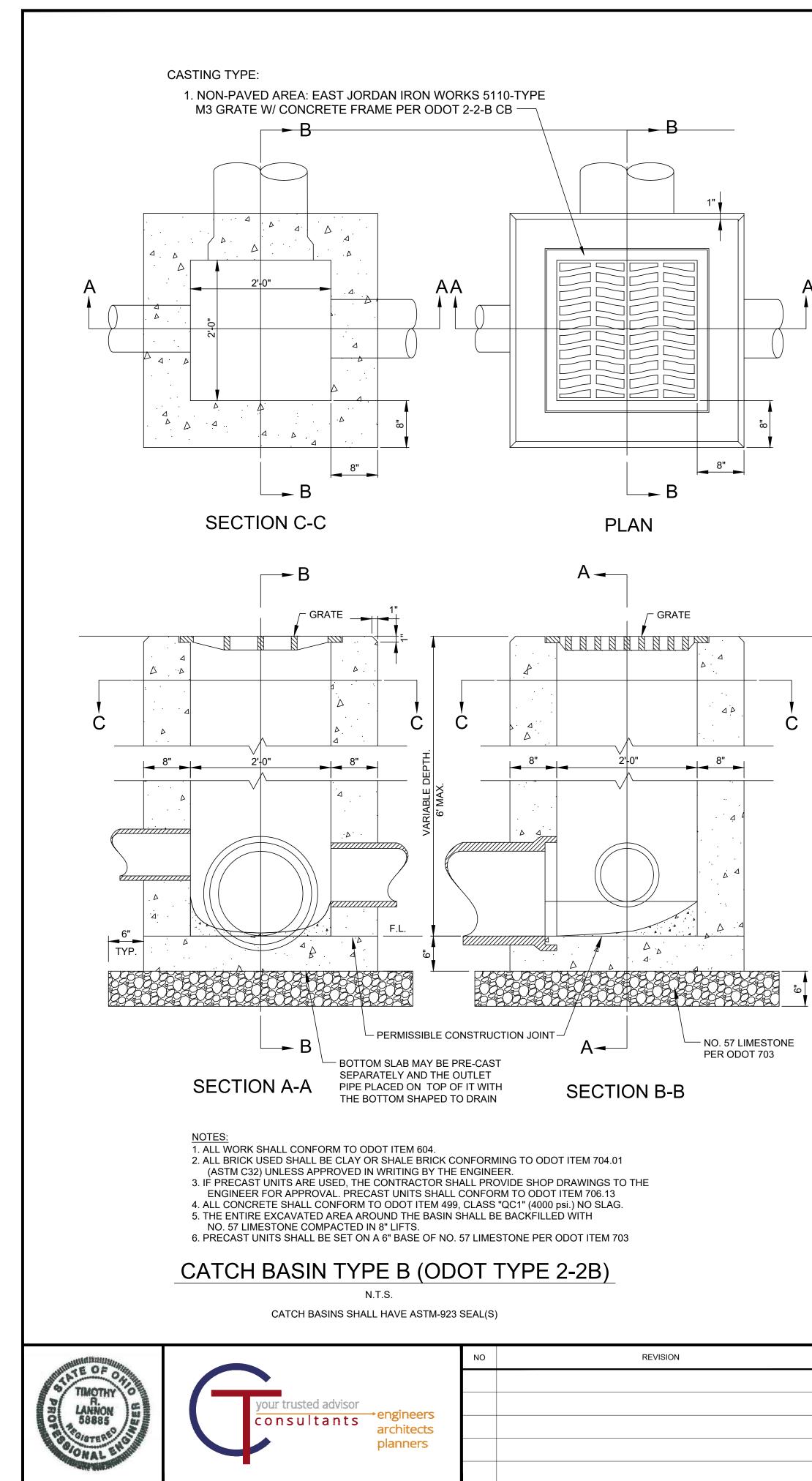




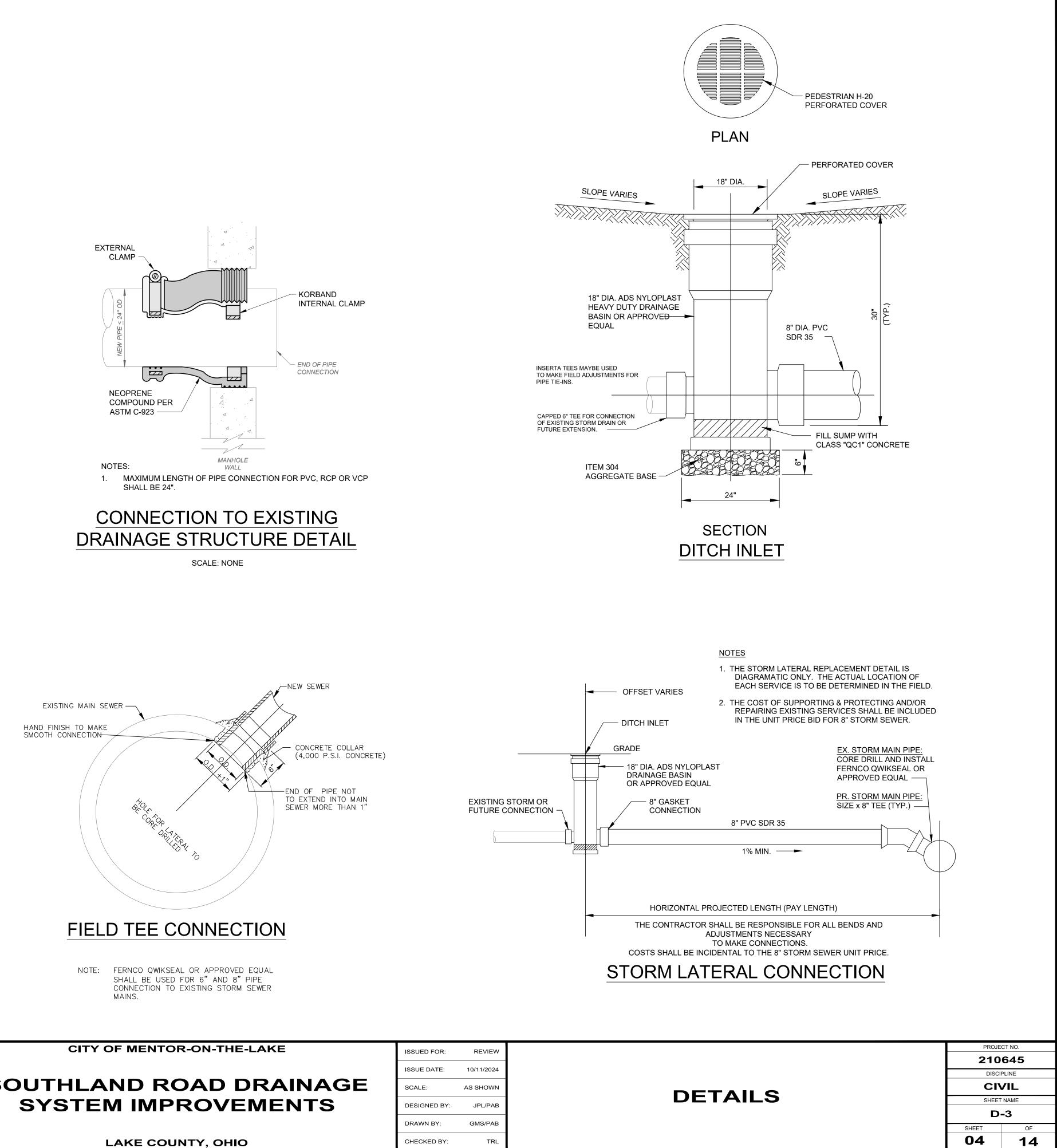
LAKE	COUNTY,	OHIO

CHECKED BY: TRL

3" O.D.O.T. 448		
6" O.D.O.T. ITEM 304 ANY) SHALL BE REPLACED, AS DIRECTED BY ENGINEER.		
TYPE "C" (ASPHALT) DRIVE REPLACEMENT N.T.S.		
PIPE O.D. + 6' FOR PIPE < 24" I.D. OR PIPE O.D. + 6'-6" FOR PIPE > 24" I.D ASPHALT OVERLAY	/	
EXIST. PAV'T (PAID FOR SEPARA	TELY)	
SIDE LIMITS USE: O.T. ITEM 448	E-SAWCUT PRI	OR
O.D.O.T. ITEM 301 — SEE TRENCH AND BEDDI		
TO PAVEMENT PLANING)	R ROADWAY	
TING SUBBASE MATERIAL (IF ANY) SHALL EPLACED, AS DIRECTED BY ENGINEER.		
E "C" (ASPHALT) PAVEMENT REPLACEMENT / TRENCH		२
N.T.S.		_
MAXIMUM TRENCH WIDTH		
AT TOP OF PIPE SEE NOTE 1		
	×.	
BACKFILL 7 ZONE OF NO.56, NO.57, NO.6, BACKFILL SEE NOTE #4	– FABRIC (SEE	NOTE #7)
( SEE NOTE #5 )	- 12" MIN.	
TRANSVERSE LIMITS OF BEDDING	-	
6" MIN. CLASS `B`		
OP OF PIPE SHALL BE O.D.+24" FOR ALL PIPES UP TO AND INCLUDING 24" I.D.; O.D.+30" FOR PIP D.D.+48" FOR PIPE SIZES 60" AND OVER.	E LARGER TH	AN
ON SHALL CONFORM TO THE RULES AND REGULATIONS OF THE OHIO STATE INDUSTRIAL COM TIONAL SAFETY AND HEALTH ACT (OSHA).	MISSION (OSIC	C) AND
ER EXISTING OR PROPOSED PAVEMENT, STRUCTURES OR WITHIN A 1:1 ZONE OF INFLUENCE P ISTING OR PROPOSED PAVEMENT AND STRUCTURES SHALL BE NO. 57 OR NO. 67 STONE TO 12	" ABOVE TOP	
BACKFILL UNDER EXISTING OR PROPOSED PAVEMENT AND STRUCTURES OR WITHIN A 1:1 ZO SVERSE TO EXISTING OR PROPOSED PAVEMENT AND STRUCTURES SHALL BE O.D.O.T. ITEM 30 FILL SHALL BE TAMPED IN 4" LIFTS COMPACTED TO 98% OF MAXIMUM DRY DENSITY PER STAN	4 STONE TO T	OP OF
PAVEMENT, STRUCTURES OR THE 1:1 ZONE OF INFLUENCE, SELECT FRIABLE ON-SITE MATERIA		
ISED FOR R.C.P. AND D.I.P.; NO. 57 OR NO. 67 STONE SHALL BE USED FOR V.C.P. AND THERMOF . FOR REMAINDER OF TRENCH BACKFILL, SELECT FRIABLE ON-SITE MATERIAL APPROVED BY 1 LY TAMPED IN 4" LIFTS COMPACTED TO 98% OF MAXIMUM DRY DENSITY PER STANDARD PROC	HE ENGINEER	R MAY BE
E TAMPED WITH MACHINE MOUNTED TAMPING EQUIPMENT. NO FLOODING, JETTING OR PUDDL MITTED.	ING OF	
NOT BE USED.		
ISTALL A GEOTEXTILE FABRIC IN ACCORDANCE WITH ODOT 712.09, TYPE A, AFTER ALL INITIAL O NO. 57 OR NO. 67 GRANULAR PIPE EMBENMENT.	BACKFILL	
TRENCH & BEDDING DETAILS		
	210	645
DETAILS	CI	
	D	- <b>2</b>
	SHEET	OF 14



H:\2021\210645\DWG\SHEETS\C\_210645 - DETAILS.DWG - D-3 - 9/25/2024 1:54:03 PM - PATRICK BLAKE



DATE	CITY OF MENTOR-ON-THE-LAKE	ISSUED FOR:	REVIEW	
		ISSUE DATE:	10/11/2024	
	SOUTHLAND ROAD DRAINAGE	SCALE:	AS SHOWN	
	SYSTEM IMPROVEMENTS	DESIGNED BY:	JPL/PAB	
		DRAWN BY:	GMS/PAB	
	LAKE COUNTY, OHIO	CHECKED BY:	TRL	

#### GENERAL

A PRECONSTRUCTION CONFERENCE SCHEDULED BY THE CITY OF MENTOR-ON-THE-LAKE ENGINEER SHALL BE HELD PRIOR TO ANY WORK STARTING. IN ADDITION, THE CONTRACTOR SHALL PROVIDE 48 HOURS NOTICE TO THE MENTOR ON THE LAKE CITY ENGINEER PRIOR TO BEGINNING WORK TO ARRANGE FOR INSPECTION.

THE IMPROVEMENT PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE APPLICABLE RULES AND REGULATIONS OF THE THE CITY OF MENTOR ON THE LAKE, AS WELL AS THE CONSTRUCTION AND MATERIAL SPECIFICATIONS OF THE OHIO DEPARTMENT OF TRANSPORTATION, 2019 EDITION, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS AND DRAWINGS, SHALL GOVERN THIS PROJECT. FOR PURPOSES OF THIS PLAN, REFERENCES TO DIRECTOR OR ENGINEER SHALL BE CONSTRUED TO MEAN THE MENTOR ON THE LAKE CITY ENGINEER AND/OR HIS REPRESENTATIVE.

ALL WORK CONTEMPLATED SHALL BE GOVERNED BY THE RULES, REGULATIONS AND SPECIFICATIONS OF THE CITY OF MENTOR ON THE LAKE ENGINEER AND AT ALL TIMES BE SUBJECT TO DIRECT SUPERVISION AND INSPECTION.

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

#### 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 CITY OF MENTOR ON THE LAKE'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	S FOLLOWS:	
OHIO UTILITY PROTECTION SERVICE	DOMINION EAST OHIO	LAKE COUNTY DEPT. OF UTILITIES
106 WEST RYEN, ROOM 427	320 SPRINGSIDE DRIVE, SUITE 320	105 MAIN STREET
YOUNGSTOWN, OHIO 44051	AKRON, OHIO 44333	PAINESVILLE, OHIO 44077
PHONE: (800) 362-2746	PHONE: (330) 664–2409	PHONE: (440) 350–2652
CITY OF MENTOR	AQUA OHIO INC.	AT&T
8500 CIVIC CENTER BOULEVARD	8644 STATION STREET	13630 LORAIN AVE. ROOM 400
MENTOR, OHIO 44060	MENTOR, OHIO 44060	CLEVELAND, OHIO 44111
PHONE: (440) 255–1100	PHONE: (440) 255–3984	PHONE: (216) 476–6142
THE ILLUMINATING CO.	SPECTRUM (TIME WARNER CABLE)	ORWELL NATURAL GAS
6896 MILLER ROAD	7820 DIVISION DRIVE	8470 STATION STREET
BRECKSVILLE, OHIO 44141	MENTOR, OHIO 44060	MENTOR, OHIO 44060
PHONE: (440) 717–6845	PHONE: (440) 974–3401	PHONE: (440) 205–4600

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 AQUA OHIO, INC. WATER COMPANY SHALL BE RESPONSIBLE FOR ALL RELOCATIONS OF THEIR WATER MAIN FACILITIES AS REQUIRED INCLUDING HYDRANT AND VALVE AND VALVE BOX RELOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VALVE BOX AND ALL OTHER WATER MAIN APPURTANCE ADJUSTMENTS TO GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH AQUA OHIO, INC. SO THAT COMPLETION OF HIS WORK IS NOT DELAYED BY THE AQUA OHIO, INC. WORK. THE CONTRACTOR SHALL NOTIFY AQUA OHIO, INC. 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.

#### EXISTING AND PROPOSED SANITARY SEWER FACILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL RELOCATING, ADJUSTMENTS OR ADDITIONS TO THE EXISTING SANITARY SEWER FACILITIES AS CALLED FOR ON THE PLANS OR REQUIRED BY THE WORK, INCLUDING ALL COSTS ASSOCIATED WITH INSPECTION OF SANITARY SEWER FACILITIES BY MEANS OF POT-HOLEING OR OTHER EXCAVATION METHODS. THE COST FOR WORK PERFORMED TO POTHOLE OR EXCAVATE IN ORDER TO INSPECT LATERAL LOCATION AND ELEVATION SHALL BE INCIDENTAL TO THE UNIT BID PRICE FOR STORM SEWER WORK.

THE CONTRACTOR SHALL NOTIFY THE LAKE COUNTY DEPARTMENT OF UTILITIES AT LEAST 48 HOURS IN ADVANCE OF ANY WORK IN THEIR SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING INSPECTION DIRECTLY WITH THE LAKE COUNTY DEPARTMENT OF UTILITIES.

ALL SANITARY SEWER AND APPURTENANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RULES. STANDARDS AND SPECIFICATIONS OF THE LAKE COUNTY DEPARTMENT OF UTILITIES AND SHALL BE REVIEWED, TESTED AND APPROVED BY THE LAKE COUNTY DEPARTMENT OF UTILITIES.

ANY WORK DONE TO THE SANITARY SEWER SYSTEM MUST BE DONE BY A CONTRACTOR LICENSED BY THE LAKE COUNTY DEPARTMENT OF UTILITIES.

#### 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.

CONTRACTOR WILL BE RESPONSIBLE FOR UTILITY COORDINATION AND SCHEDULING. SHOULD THE UTILITY COMPANY SCHEDULING DELAY THE CONTRACTOR'S SCHEDULE THEY WILL BE RESPONSIBLE FOR NOTIFYING THE CITY OF ANY DELAYS IN WRITING. THIS DELAY SHALL BE DEEMED AN "EXCUSABLE, NON-COMPENSABLE DELAY". THE CITY WILL WORK WITH THE CONTRACTOR TO PROVIDE NON-COMPENSABLE TIME EXTENSIONS AS NEEDED.

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.

WINNING OF			NO	REVISION
State OH				
A LANNON	your trusted advisor			
9 58885 W	consultants	→engineers architects		
CONAL ENO		planners		
AND DESCRIPTION OF THE OWNER.	•			

### 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, 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 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, NEGLECT 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 CLEARING AND GRUBBING.

#### LANDSCAPING AND DRIVEWAY ITEMS

WHEN THE CONSTRUCTION OPERATIONS ARE IN CLOSE PROXIMITY TO LANDSCAPING FEATURES (TIMBERS, ROCKS, BOULDERS, ETC.), DRIVEWAY TIMBERS, DRIVEWAY CURBING, ETC. THE CONTRACTOR SHALL SAVE, REMOVE AND PLACE THESE ITEMS OUTSIDE THE WORK LIMITS AT A LOCATION ACCEPTABLE TO THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE STORM SEWER.

#### USE OF PRIVATE PROPERTY

THE CONTRACTOR CAN USE PRIVATE PROPERTY FOR THE STORAGE OF FOULPMENT 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.

#### SUBSURFACE INVESTIGATIONS

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

#### CONNECTION TO EXISTING PIPE

WHERE THE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO OR TO CROSS EITHER OVER OR UNDER AN EXISTING PIPE, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE, BOTH AS TO LINE AND GRADE, AND ADJUST LINE AND/OR GRADE AS NECESSARY BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT CONDUIT ITEM.

#### EXISTING NATURAL GAS FACILITIES

THE DOMINION EAST OHIO NATURAL GAS COMPANY OR ORWELL NATURAL GAS COMPANY SHALL BE RESPONSIBLE FOR ALL RELOCATIONS OF THEIR GAS MAIN FACILITIES AS REQUIRED. INCLUDING HOUSE CONNECTIONS AND VALVE BOX RELOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VALVE BOX AND ALL OTHER GAS MAIN APPURTANCE ADJUSTMENTS TO GRADE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING HIS WORK WITH DOMINION EAST OHIO OR ORWELL SO THAT COMPLETION OF HIS WORK IS NOT DELAYED BY THE DOMINION EAST OHIO OR ORWELL WORK. THE CONTRACTOR SHALL NOTIFY DOMINION EAST OHIO OR ORWELL AT LEAST 48 HOURS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THEIR SYSTEM.

#### SERVICE CONNECTIONS

1. ALL EXISTING UTILITY SERVICE CONNECTIONS (SANITARY, STORM, WATER, GAS, ELECTRIC, TELEPHONE, ETC.) WHICH ARE DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED WITH LIKE MATERIALS OR REPLACED, AS REQUIRED. THE COST OF UTILITY SERVICE CONNECTION REPAIR/REPLACEMENT SHALL BE INCLUDED IN THE UNIT PRICES FOR ALL ITEMS IN THE PROPOSAL.

2. ALL UTILITY LINES CROSSING THE NEW TRENCH SHALL BE PROTECTED AND SUPPORTED WITH HARDWOOD PLANKS; OR REMOVED, REPLACED. RECONNECTED AND SUPPORTED ACROSS THE ENTIRE WIDTH OF THE TRENCH. IF ANY OF THESE LINES ARE DAMAGED DURING CONSTRUCTION, THEY SHALL BE REPLACED IN-KIND.

3. THE CONTRACTOR SHALL BE REQUIRED TO BYPASS AND MAINTAIN THE FLOW TO/FROM ALL HOUSE UTILITY CONNECTIONS DURING CONSTRUCTION.

4. THE CONTRACTOR SHALL EXPECT ONE UNDERGROUND STORM SEWER, SANITARY SEWER, GAS AND WATER CONNECTION FOR EACH LOT (INCLUDING CORNER AND VACANT LOTS) ON BOTH SIDES OF THE STREET FOR THE ENTIRE PROJECT LENGTH. EXCEPT AS NOTED ON THE PLANS.

5. THE COST OF UTILITY RELOCATION. REPLACEMENT. AND/OR SUPPORT SHALL BE INCLUDED IN THE COST PER LINEAL FOOT OF PROPOSED STORM SEWER.

#### DRIVEWAY AND ROADWAY PAVEMENT INSTALLATION

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

DATE

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.

CITY OF MENTOR-ON-THE-LAKE	ISSUED FOR:	REVIEW
	ISSUE DATE:	10/11/2024
SOUTHLAND ROAD DRAINAGE	SCALE:	AS SHOWN
SYSTEM IMPROVEMENTS	DESIGNED BY:	JPL/PAB
	DRAWN BY:	GMS/PAB
LAKE COUNTY. OHIO	CHECKED BY:	TRL

#### PROTECTION OF TREES

TREE PROTECTION MEASURES SHALL BE INSTALLED AS SPECIFIED PRIOR TO THE START OF CONSTRUCTION.

SPECIAL CARE SHALL BE TAKEN TO AVOID DAMAGE TO TREES AND THEIR ROOT SYSTEMS WHICH ARE NOT CALLED FOR REMOVAL. THE OPERATION OF ALL EQUIPMENT SHALL BE CONDUCTED IN A MANNER WHICH WILL NOT INJURE TREES. TRUNKS. BRANCHES OR THEIR ROOTS UNLESS SUCH TREES ARE DESIGNATED FOR REMOVAL. THE STORAGE OF MATERIALS, AND THE DEPOSITION OF EXCAVATION SHALL BE PROHIBITED WITHIN THE TREE CANOPY OF ANY TREE TO BE SAVED.

SHOULD THE CONTRACTOR'S OPERATIONS DAMAGE ANY TREE TO SUCH AN EXTENT THAT IT, IN THE OPINION OF THE CITY OF MENTOR ON THE LAKE, WILL NOT LIVE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH REMOVING THE TREE AND ALL PAYMENTS TO THE PROPERTY OWNER FOR THE VALUE OF THE REMOVED TREE, AS DETERMINED BY AN ARBORIST MUTUALLY AGREED UPON BY THE CITY OF MENTOR ON THE LAKE AND THE CONTRACTOR.

#### PLACEMENT OF TREE PROTECTIVE BARRIERS

PRIOR TO CONSTRUCTION, TREE PROTECTIVE BARRIERS SHALL BE PLACED AROUND ALL TREES TO BE PRESERVED AND ANY OTHER VEGETATION LOCATED NEAR CONSTRUCTION ACTIVITY WHICH IS TO BE SAVED. THESE BARRIERS WILL BE LOCATED JUST OUTSIDE OF THE TREE'S CANOPY.

PROTECTIVE BARRIERS SHALL REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETE AND FINAL ACCEPTANCE HAS BEEN ISSUED BY THE CITY OF MENTOR-ON-THE-LAKE.

AREAS WITHIN THE PROTECTIVE BARRIERS SHALL BE FREE OF ALL BUILDING MATERIALS, DIRT, CHEMICALS (INCLUDING GAS, OIL AND CONTAMINATED WATER), CONSTRUCTION DEBRIS, VEHICLES, AND DEVELOPMENT ACTIVITIES.

SPECIFICATIONS OF TREE PROTECTIVE BARRIERS

TREE PROTECTIVE BARRIERS WILL BE FLORESCENT POLYETHYLENE LAMINAR SAFETY FENCING, MINIMUM FOUR (4) FEET IN HEIGHT OR A SECURELY INSTALLED POST AND RAIL WOODEN FENCE, MINIMUM FOUR (4) FEET IN HEIGHT WITH A MINIMUM TWO (2) INCH X FOUR (4) INCH RAIL. THE FENCE SHALL BE MADE HIGHLY VISIBLE WITH A FLORESCENT ORANGE OR YELLOW PAINT. SUCH BARRIERS SHALL REMAIN INTACT THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS, AND IF DISTURBED MUST BE RESTORED PRIOR TO THE END OF THE WORKING DAY.

#### CONTINGENCY BID ITEMS

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE FOR USE "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED AT THE ENGINEER'S DISCRETION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THIS PROJECT.

THE FOLLOWING BID ITEMS ARE CONTINGENCY ITEMS INCLUDED IN THE PROPOSAL TO BE USED AS DIRECTED BY THE ENGINEER. THESE ITEMS SHALL INCLUDE THE COST OF ALL PAVEMENT REMOVAL.

ITEM 611 – 6" SANITARY SEWER LATERAL, AS PER PLAN (PVC, VCP OR DIP) 200 L.F. ITEM 611- 6 INCH SDR 35 PVC STORM SEWER, AS PER PLAN 200 L.F.

NONE OF THE ABOVE MATERIALS SHALL BE ORDERED BY THE CONTRACTOR UNTIL AUTHORIZED BY THE ENGINEER.

#### 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.

LINEAR FOOT OF PIPE.

SLAG SHALL NOT BE USED FOR BEDDING OR BACKFILL.

STORM SEWER PIPING LESS THAN 12" IN DIAMETER SHALL BE PVC SDR 35 PER ODOT 707.45. STORM SEWER PIPING 12" TO 30" IN DIAMETER SHALL BE HDPE SMOOTH INTERIOR WITH WATER TIGHT FITTINGS CONFORMING TO O.D.O.T. SPECIFICATION 707.33 (HDPE). PIPE JOINTS AT PRECAST STRUCTURES SHALL UTILIZE ALOK PRODUCTS FOR A WATER TIGHT CONNECTION. AT CORE DRILLED OPENINGS INTO EXISTING MANHOLES, ALOK WATER-STOP PRODUCT SHALL BE USED. THE CONTRACTOR MAY PROPOSE OTHER MEANS AND METHODS FOR APPROVAL AND USE.

YARD DRAINS ON OPPOSITE SIDE OF STREET AND MAIN STORM SEWER ARE INTENDED TO BE CONSTRUCTED AT A MINIMUM OF 1.0% SLOPE. THE CONTRACTOR SHALL PLACE MAIN LINE TEES IN AN APPROPRIATE ORIENTATION TO ALLOW FOR THE CONSTRUCTION OF THE 8" STORM SEWER ALLOWING FOR THE MINIMUM PIPE SLOPE. BENDS, 45° OR LESS, MAY BE USED AT CONTRACTOR'S DISCRETION. NO PAYMENT WILL BE MADE FOR CONTRACTOR ADJUSTMENTS NEEDED TO CONSTRUCT SEWER AS INTENDED.

SANITARY SEWER LATERALS SHALL BE PVC SDR 26 ASTM D3034, VCP ASTM C700 ES, OR DIP CL52

REMOVAL AND DISPOSING OF EXISTING PIPE AND STORM STRUCTURES WITHIN THE SAME TRENCH AS NEW STORM MAIN SHALL BE INCLUDED IN THE PRICE OF NEW PIPE INSTALLED. CONTRACTOR WILL NOT BE PAID SEPARATELY FOR THIS WORK.

THE CONTRACTOR SHALL INSPECT EACH LOCATION WHERE CONNECTIONS TO EXISTING STORM SEWERS ARE TO BE MADE. THE INSPECTION SHALL INCLUDE PIPE TYPE, SIZE AND INVERTS. THIS WORK SHALL BE DONE BEFORE ORDERING STRUCTURES, PIPE AND FERNCO COUPLING. NO EXTRA PAYMENT WILL BE MADE FOR EXPLORING STRUCTURES AND CONNECTION TO PIPE IN ORDER TO MAKE CONNECTION TO VARIOUS PIPE TYPES. THE UNIT PRICE FOR THE FOLLOWING ITEMS BELOW WILL INCLUDE THE COST ASSOCIATE WITH THIS WORK: -(611) CONDUIT, MISC.: CONNECTION TO EXISTING PIPE -(611) CONDUIT, MISC.: CONNECTION OF CONDUIT TO EXISTING DRAINAGE STRUCTURE

BULKHEADING OF EXISTING DRIVE PIPES WHERE GRADING CUTS FLOW OFF AND AT EXISTING STORM SEWERS NOT RECONNECTED TO NEW SYSTEM SHALL BE INCIDENTAL TO ALL PROJECT COSTS.

NO DISTURBANCE SHALL OCCUR WITHIN THE PROTECTIVE AREA OF A TREE DESIGNATED TO BE PRESERVED.

THE CONTRACTOR SHALL INCLUDE THE COST OF GRANULAR BACKFILL MATERIAL UNDER ALL EXISTING AND PROPOSED PAVEMENTS IN THE PRICE BID PER

GENERAL NOTES	PROJECT NO. <b>210645</b>			
	DISC	IPLINE		
		CIVIL		
	SHEE	SHEET NAME		
	GI	N-1		
	SHEET	OF		
	05	14		

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, HEREINAFTER 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 9:00 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 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-ON-THE-LAKE 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.

and distance.		NO	REVISION	DATE	CITY OF MENTOR-ON-THE-LAKE	ISSUED FOR: REVIEW		PROJECT NO.
MULTATE OF OATH								210645
TIMOTHY O	SOUTHIAND ROAD DRAINAGE SCALE AS SHOWN		ISSUE DATE: 10/11/2024		DISCIPLINE			
					SOUTHLAND ROAD DRAINAGE	SCALE: AS SHOWN		CIVIL
		MAINTENANCE OF TRAFFIC	SHEET NAME					
CALONAL SHOW								MOT-1
OMAL EN	planners					DRAWN BY: GMS/PAB		SHEET OF
A REAL PROPERTY AND A REAL					LAKE COUNTY, OHIO	CHECKED BY: TRL		06 14

#### NOTIFICATION

THE CITY OF MENTOR-ON-THE-LAKE POLICE, FIRE, PUBLIC WORKS DEPARTMENTS, AND CITY ENGINEER SHALL BE NOTIFIED AT LEAST ONE (1) WEEK PRIOR TO THE ACTUAL START OF CONSTRUCTION.

CITY OF MENTOR-ON-THE-LAKE POLICE DEPARTMENT JOHN FORSYTHE, CHIEF 440-257-7234 X225

CITY OF MENTOR-ON-THE-LAKE FIRE DEPARTMENT JAMES PECHATSKO, CHIEF 440-257-7184

CITY OF MENTOR-ON-THE-LAKE ENGINEER TIM LANNON, P.E. 440-530-2348

CITY OF MENTOR-ON-THE-LAKE ADMINISTRATOR JACLYN MARTIN, DIRECTOR 440-257-7216

CITY OF MENTOR-ON-THE-LAKE SERVICE DIRECTOR JIM TUROSKY, DIRECTOR 440-257-7216

THE CITY OF MENTOR-ON-THE-LAKE EDUCATION DEPARTMENT SHALL BE NOTIFIED AT LEAST ONE (1) MONTH PRIOR TO THE ACTUAL START OF CONSTRUCTION OF EACH SECTION OF WORK IN ORDER TO COORDINATE BUS AND SCHOOL TRAFFIC.

LAKE ELEMENTARY SCHOOL LAURIE HAYNES, PRINCIPAL 440-257-5953

MENTOR SCHOOLS TRANSPROTATION DEPARTMENT KAREN GERARDI 440-974-5260

#### MATERIALS FOR MAINTAINING TRAFFIC

#### SIGNS

CONTRACTOR SHALL FURNISH AND INSTALL SIGNS DIRECTING SCHOOL TRAFFIC TO ENTER THROUGH THE SALIDA ROAD ENTRANCE. 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.

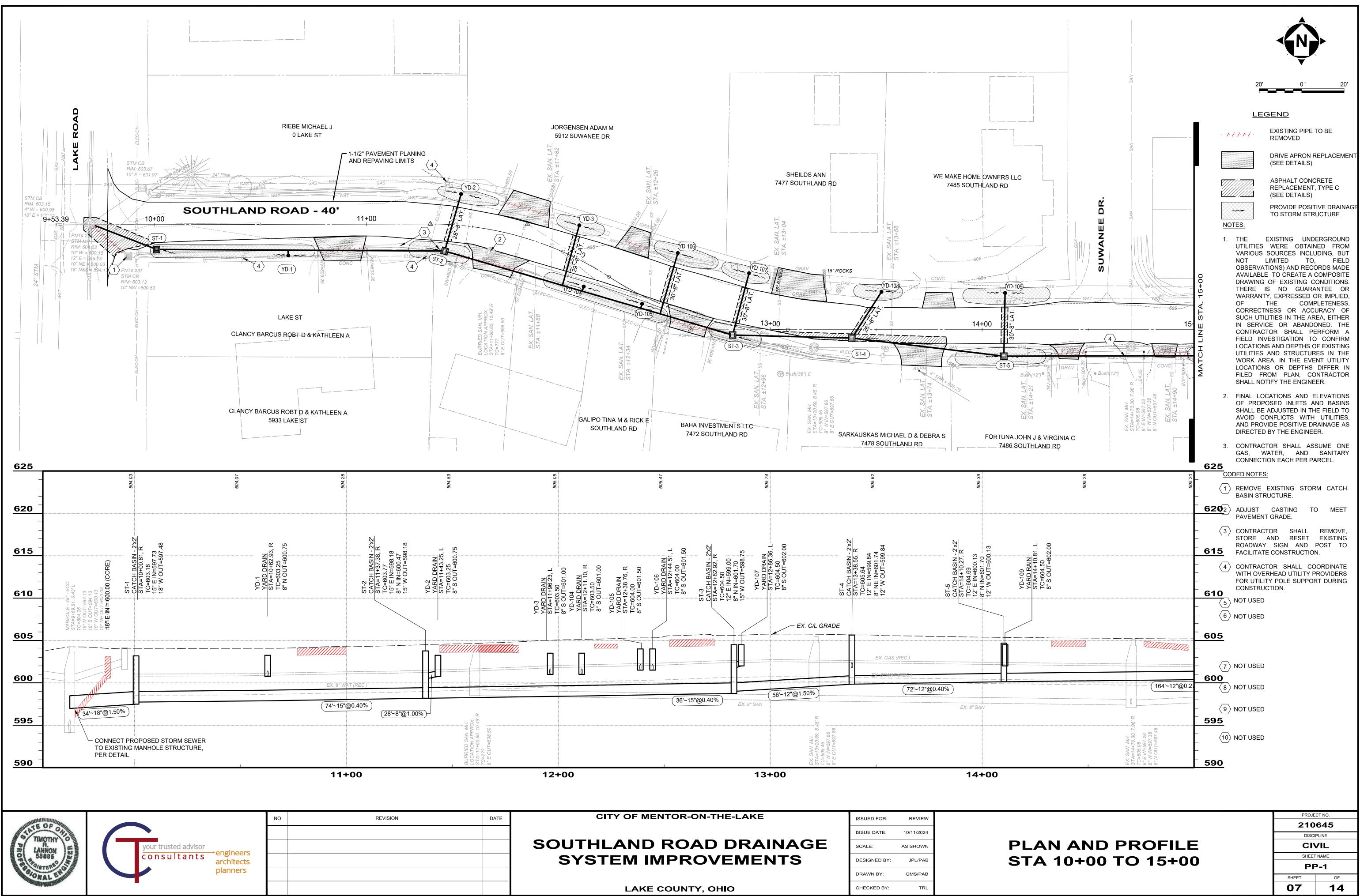
#### SIGN SUPPORTS

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 VECULAR-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.

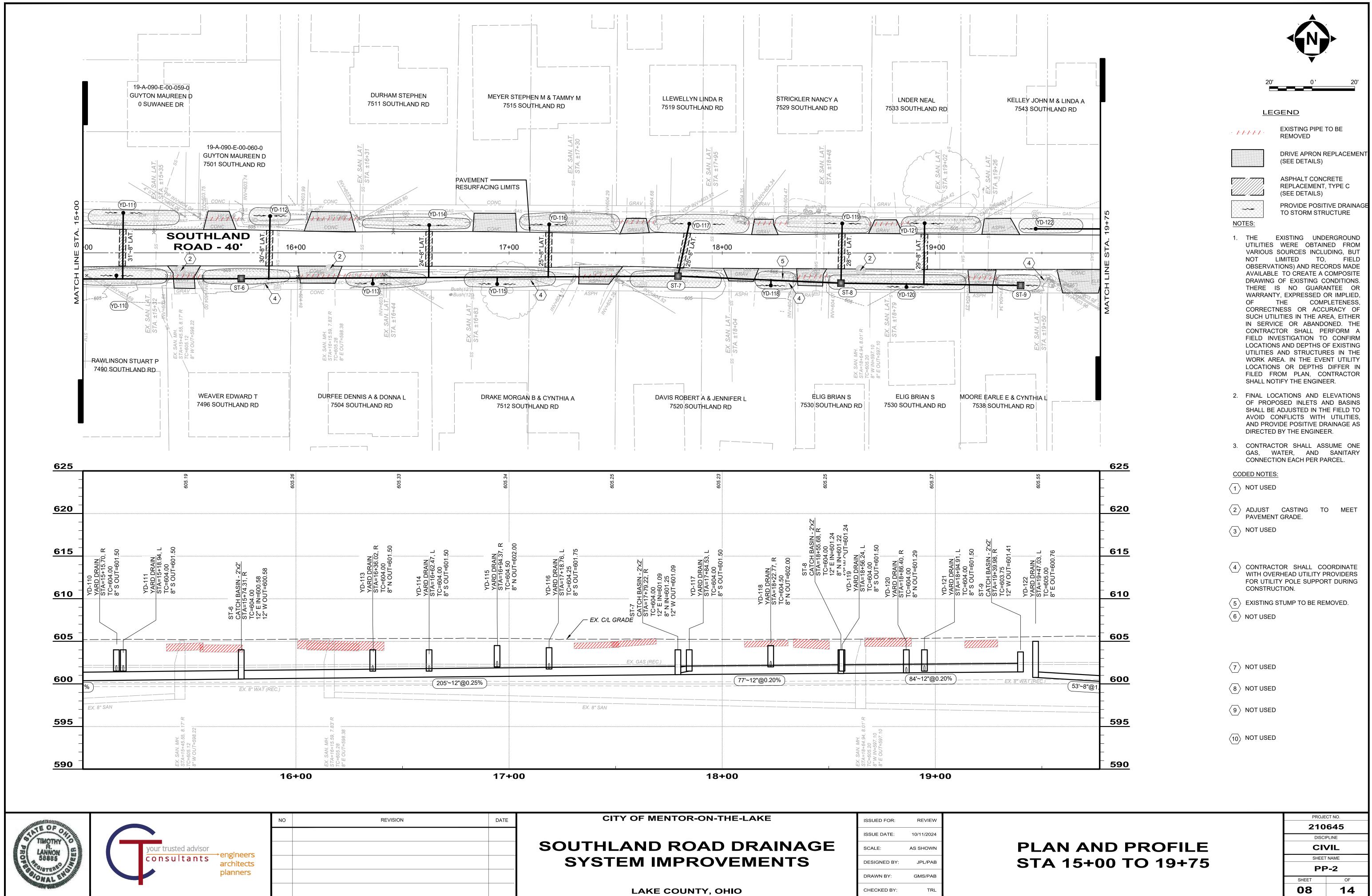
#### PROJECT PHASING

IT IS THE DESIRE OF THE CITY OF MENTOR-ON-THE-LAKE 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 CITY ADMINISTRATION AND THE ENGINEER, INCLUSIVE OF THE FOLLOWING REQUIREMENTS:

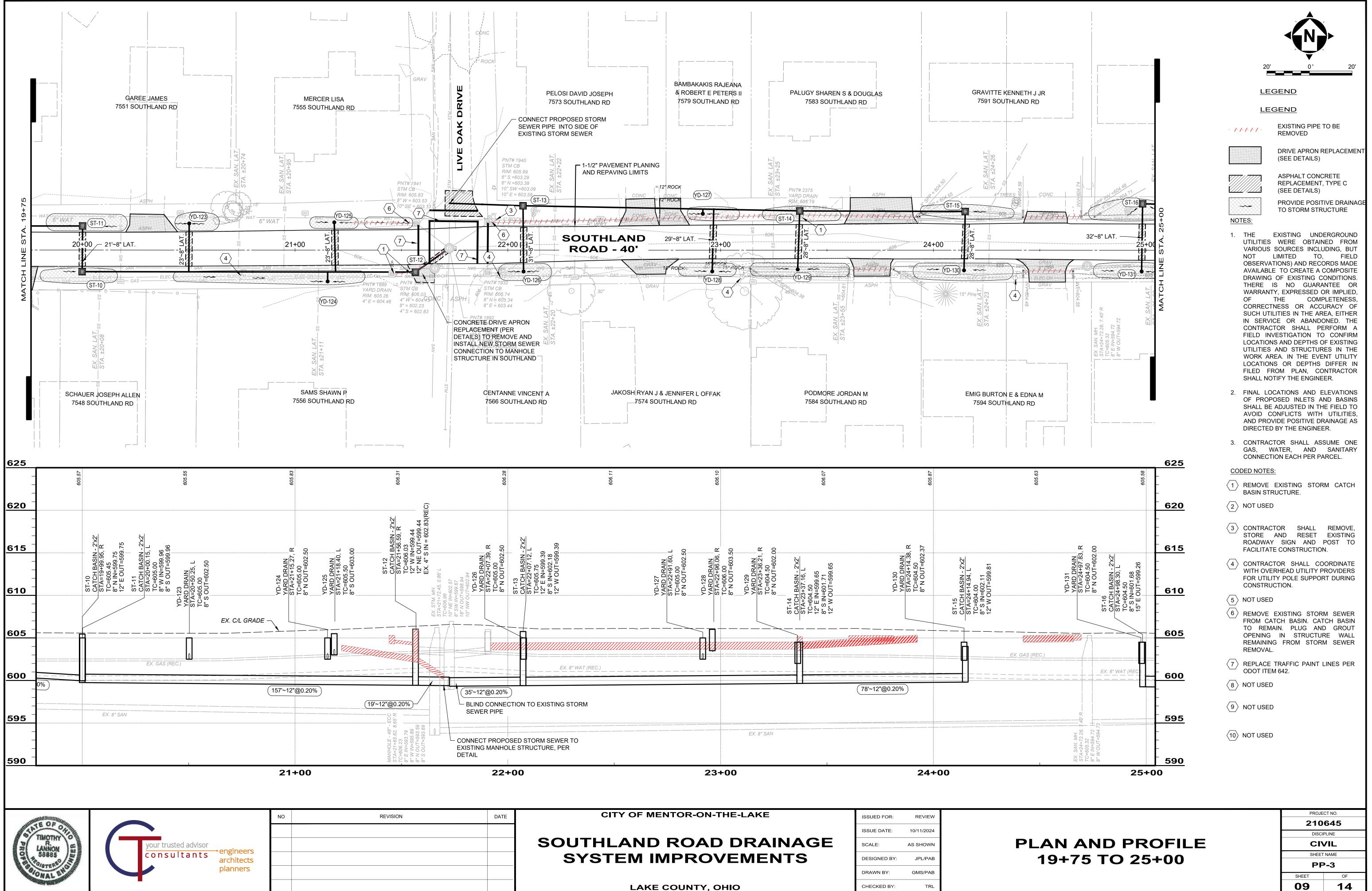
1) DRIVE APRON ACCESS IS TO BE MAINTAINED AT ALL TIMES EXCEPTING DURING CONCRETE PLACEMENT AND CURING.



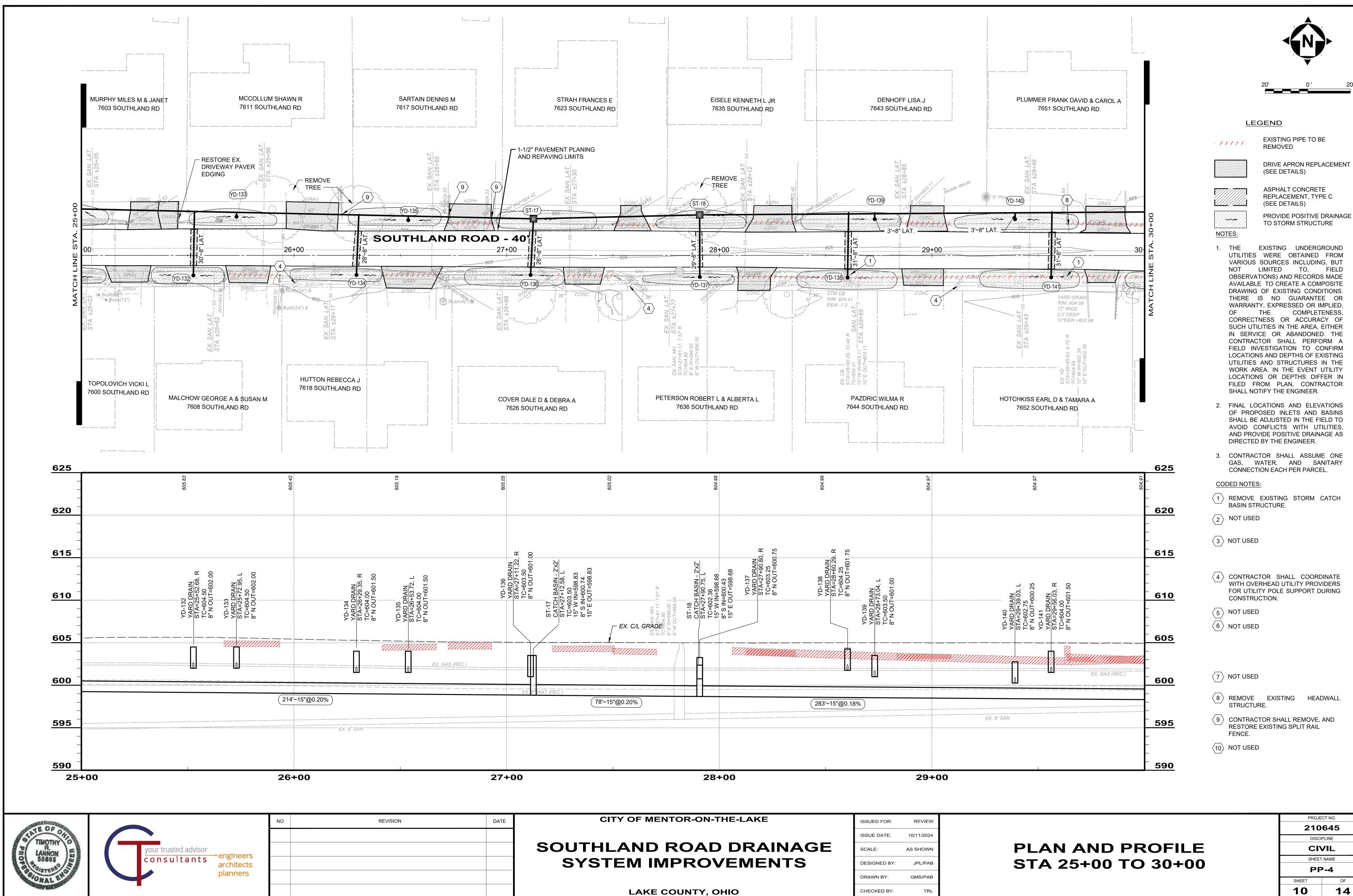
DATE	CITY OF MENTOR-ON-THE-LAKE	ISSUED FOR:	REVIEW	
		ISSUE DATE:	10/11/2024	
	SOUTHLAND ROAD DRAINAGE	SCALE:	AS SHOWN	
	SYSTEM IMPROVEMENTS	DESIGNED BY:	JPL/PAB	
		DRAWN BY:	GMS/PAB	
	LAKE COUNTY, OHIO	CHECKED BY:	TRL	



DATE	CITY OF MENTOR-ON-THE-LAKE	ISSUED FOR:	REVIEW	
		ISSUE DATE:	10/11/2024	
	SOUTHLAND ROAD DRAINAGE	SCALE:	AS SHOWN	
	SYSTEM IMPROVEMENTS	DESIGNED BY:	JPL/PAB	
		DRAWN BY:	GMS/PAB	
	LAKE COUNTY, OHIO	CHECKED BY:	TRL	



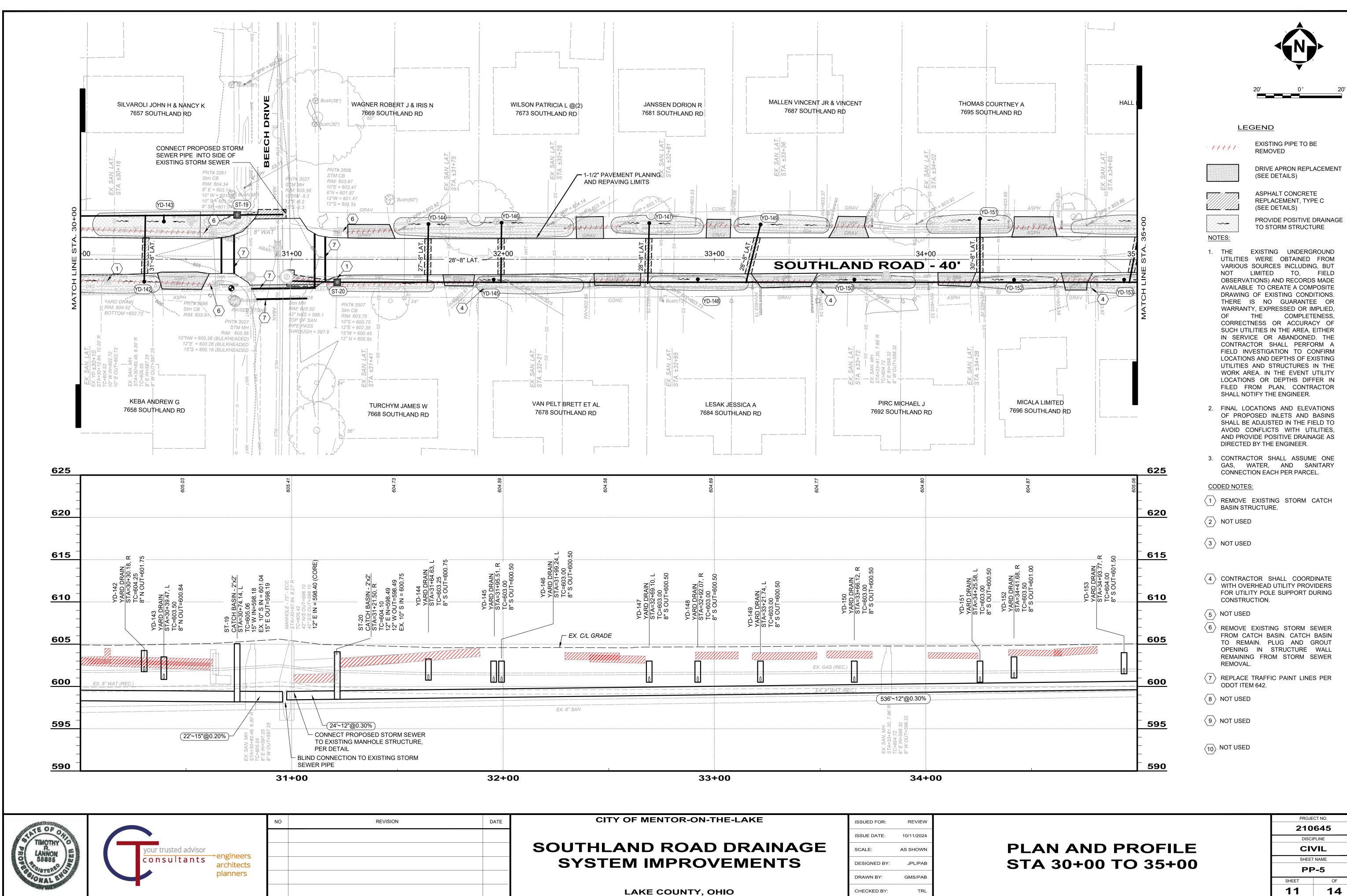
DATE	CITY OF MENTOR-ON-THE-LAKE	ISSUED FOR:	REVIEW	
		ISSUE DATE:	10/11/2024	
	SOUTHLAND ROAD DRAINAGE	SCALE:	AS SHOWN	
	SYSTEM IMPROVEMENTS	DESIGNED BY:	JPL/PAB	
		DRAWN BY:	GMS/PAB	
	LAKE COUNTY, OHIO	CHECKED BY:	TRL	



DATE	CITY OF MENTOR-ON-THE-LAKE	ISSUED FOR:	REVIEW	
		ISSUE DATE:	10/11/2024	
	SOUTHLAND ROAD DRAINAGE	SCALE:	AS SHOWN	
	SYSTEM IMPROVEMENTS	DESIGNED BY:	JPL/PAB	
		DRAWN BY:	GMS/PAB	
	LAKE COUNTY, OHIO	CHECKED BY:	TRL	

210645				
DISCI	DISCIPLINE			
CIVIL				
SHEET	NAME			
PP	<b>P-4</b>			
SHEET	OF			
10				

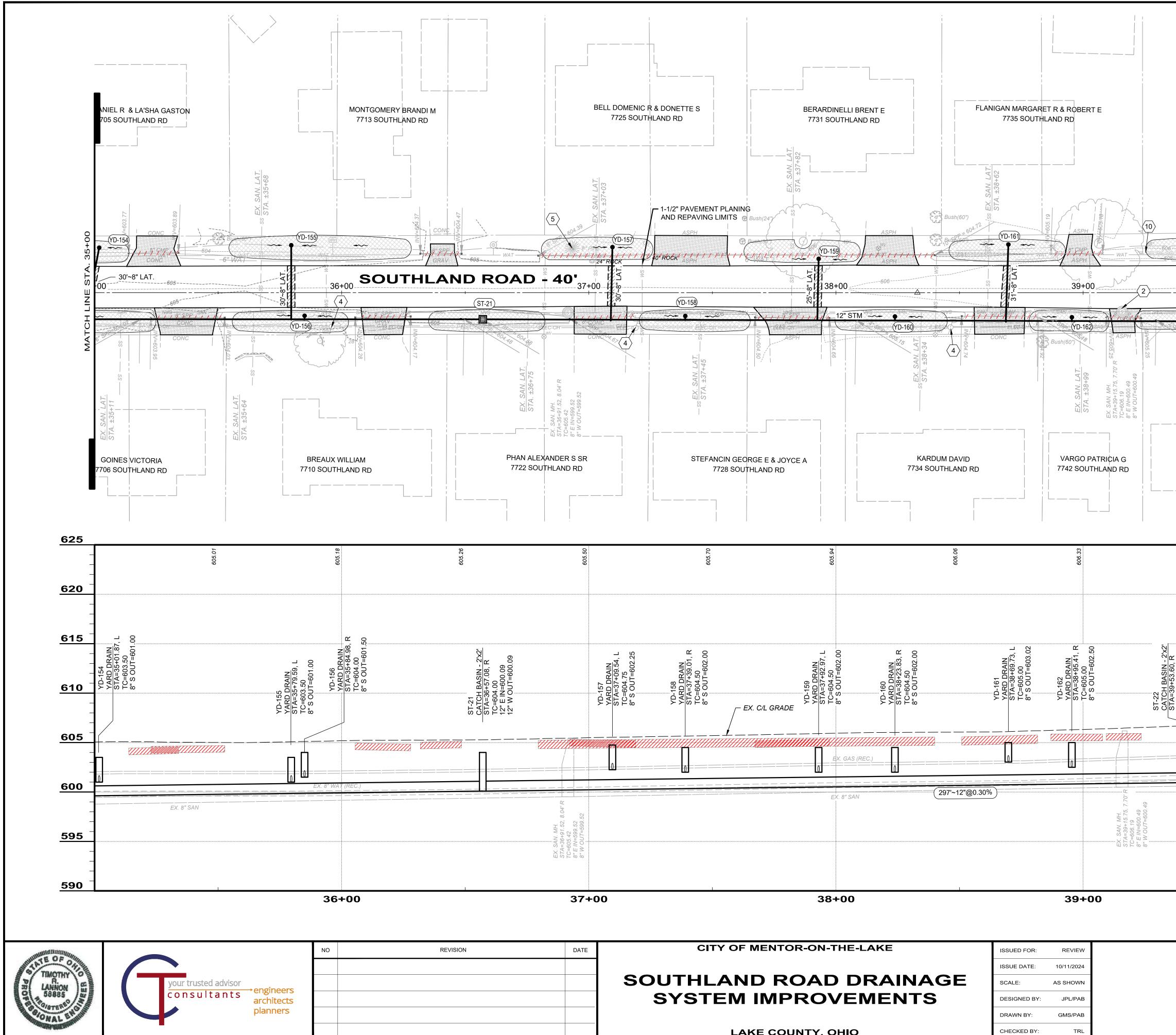
PROJECT NO.



DATE	CITY OF MENTOR-ON-THE-LAKE	ISSUED FOR:	REVIEW	
		ISSUE DATE:	10/11/2024	
	SOUTHLAND ROAD DRAINAGE	SCALE:	AS SHOWN	
	SYSTEM IMPROVEMENTS	DESIGNED BY:	JPL/PAB	
		DRAWN BY:	GMS/PAB	
	LAKE COUNTY, OHIO	CHECKED BY:	TRL	

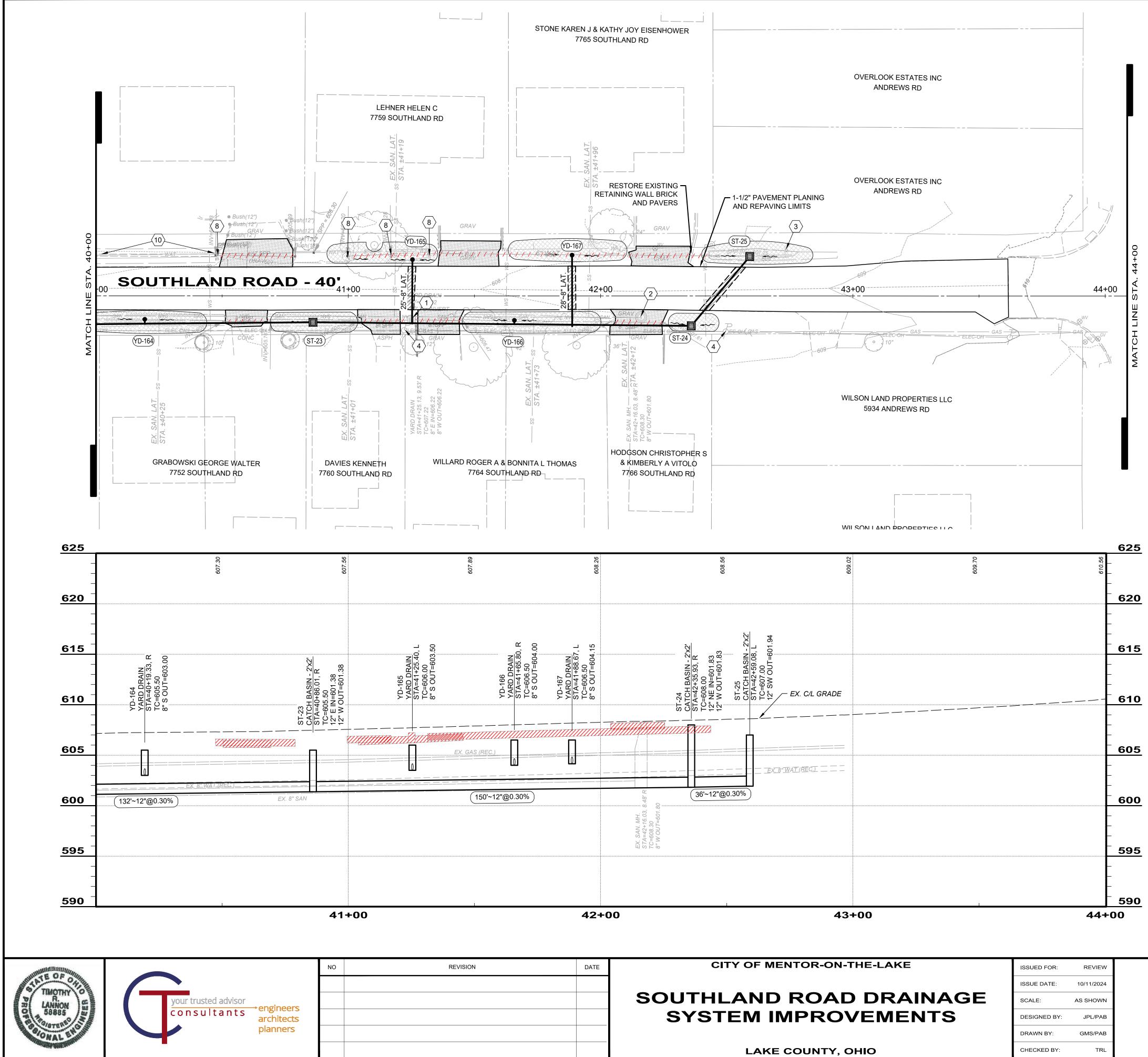
	AN.	V V	۱N	DF	PR	OF		Ε
<b>5</b> T		30	+0(	ΤΟ	0	35	+0	0

210	210645				
DISCIPLINE					
CIVIL					
SHEET	SHEET NAME				
PP	<b>P-5</b>				
SHEET OF					
11	14				



37+00	38+00	39+0
DATE	CITY OF MENTOR-ON-THE-LAKE	
ATE		ISSUED FOR: REVIEW
	SOUTHLAND ROAD DRAINAGE	SCALE: AS SHOWN
	SYSTEM IMPROVEMENTS	DESIGNED BY: JPL/PAB
		DRAWN BY: GMS/PAB
	LAKE COUNTY, OHIO	CHECKED BY: TRL

HUGHER HOUGHT P PMP BOUTH AND RD       000000000000000000000000000000000000		RADE. R SHALL COO EAD UTILITY PRO POLE SUPPORT ON. JMP TO BE REMO IMP TO BE REMO R SHALL R SHALL ST AT HOMEO PROJECT 2106 DISCIPLI CIVI	<ul> <li>PAVEMENT G</li> <li>NOT USED</li> <li>CONTRACTO WITH OVERH FOR UTILITY CONSTRUCT</li> <li>EXISTING STI</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>CONTRACTO EXISTING BI CONTRACTO BRICKS</li> </ul>	615 610 605 600 595 590 590			
Controls and the control of the	DRDINATE ROVIDERS T DURING IOVED. IOVED.	RADE. R SHALL COO EAD UTILITY PRO POLE SUPPORT ON. JMP TO BE REMO IMP TO BE REMO R SHALL RICK CHANNEL R SHALL ST AT HOMEO PROJECT 2106 DISCIPLI	<ul> <li>PAVEMENT G</li> <li>NOT USED</li> <li>CONTRACTO WITH OVERH FOR UTILITY CONSTRUCT</li> <li>EXISTING STI</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>CONTRACTO EXISTING BI CONTRACTO BRICKS</li> </ul>	615 610 605 600 595 590		YD-163 YARD DR. STA=39+5 TC=605.5( 12" S OUT	
	DRDINATE ROVIDERS T DURING MOVED. MOVED. REMOVE LINING. TOCKPILE COWNER'S	RADE. R SHALL COO EAD UTILITY PRO POLE SUPPORT ON. JMP TO BE REMO R SHALL R SHALL R SHALL ST AT HOMEO PROJECT <b>2106</b>	<ul> <li>PAVEMENT G</li> <li>NOT USED</li> <li>CONTRACTO WITH OVERH FOR UTILITY CONSTRUCT</li> <li>EXISTING STI</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>CONTRACTO EXISTING BI CONTRACTO BRICKS</li> </ul>	615 610 605 600 595 (		YD-163 YARD DRAIN STA=39+54.57, L TC=605.50 12" S OUT=602.50	TC=605.50 TC=605.50 12" N IN=600.98 12" W OUT=600.98
CONTRACTOR SPECTOR PROVIDE POSITIVE CONTRACTOR     SUBJECT AND SPECTORE     SUBJECT AND SPE	ORDINATE ROVIDERS T DURING MOVED.	RADE. R SHALL COO EAD UTILITY PRO POLE SUPPORT ON. JMP TO BE REMO IMP TO BE REMO R SHALL RICK CHANNEL RICK CHANNEL R SHALL ST AT HOMEO	<ul> <li>PAVEMENT G</li> <li>NOT USED</li> <li>CONTRACTO WITH OVERH FOR UTILITY CONSTRUCT</li> <li>EXISTING STI</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>CONTRACTO EXISTING BI CONTRACTO BRICKS</li> </ul>	615 610 605 600 595 (		YD-163 YARD DRAIN STA=39+54.57, L TC=605.50 12" S OUT=602.50	TC=605.50 12" E IN=600.98 12" W OUT=600.98
LEGEND     LEGEND	ORDINATE ROVIDERS T DURING IOVED.	RADE. R SHALL COO EAD UTILITY PRI POLE SUPPORT ON. JMP TO BE REMO IMP TO BE REMO R SHALL RICK CHANNEL R SHALL ST	<ul> <li>PAVEMENT G</li> <li>NOT USED</li> <li>CONTRACTO WITH OVERH FOR UTILITY CONSTRUCT</li> <li>EXISTING STI</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>CONTRACTO EXISTING BI CONTRACTO BRICKS</li> </ul>	615 610 605 600 595 (		YD-163 YARD DRAIN STA=39+54.57, L TC=605.50 12" S OUT=602.50	TC=605.50 T2" E IN=600.98 12" W OUT=600.98
LEGEND     LEGEND	ORDINATE ROVIDERS T DURING IOVED.	RADE. R SHALL COO EAD UTILITY PRI POLE SUPPORT ON. JMP TO BE REMO IMP TO BE REMO R SHALL RICK CHANNEL R SHALL ST	<ul> <li>PAVEMENT G</li> <li>NOT USED</li> <li>CONTRACTO WITH OVERH FOR UTILITY CONSTRUCT</li> <li>EXISTING STI</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>CONTRACTO EXISTING BI CONTRACTO BRICKS</li> </ul>	615 610 605 600 595 (		YD-163 YARD DRAIN STA=39+54.57, L TC=605.50 12" S OUT=602.50	TC=605.50 T2" E IN=600.98 12" W OUT=600.98
MOLES ROBERT P         7/745 SOUTHAUSTON         1	ORDINATE ROVIDERS T DURING IOVED.	RADE. R SHALL COO EAD UTILITY PRO POLE SUPPORT ON. JMP TO BE REMO JMP TO BE REMO R SHALL RICK CHANNEL	<ul> <li>PAVEMENT G</li> <li>NOT USED</li> <li>CONTRACTO WITH OVERH FOR UTILITY CONSTRUCT</li> <li>EXISTING STI</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> <li>CONTRACTO EXISTING BI</li> </ul>	615 610 605 600 595		YD-163 YARD DRAIN STA=39+54.57, L TC=605.50 12" S OUT=602.50	TC=605.50 12" E IN=600.98 12" W OUT=600.98
HOMEB ROBERT P      TWA SOUTHLAND RD      UNDED      TWA SOUTHLAND RD      UNTED      TWA SOUTHLAND RD      UNTED      TO      SOUTHLAND RD      THERY MARY LOU      THERY MARY	ORDINATE ROVIDERS T DURING	RADE. R SHALL COO EAD UTILITY PRO POLE SUPPORT ON.	<ul> <li>PAVEMENT G</li> <li>NOT USED</li> <li>CONTRACTO WITH OVERH FOR UTILITY CONSTRUCT</li> <li>EXISTING STI</li> <li>NOT USED</li> <li>NOT USED</li> <li>NOT USED</li> </ul>	615 610 605 600 (		YD-163 YARD DRAIN STA=39+54.57, L TC=605.50 12" S OUT=602.50	TC=605.50 12" E IN=600.98 12" W OUT=600.98
HUGHES ROBERT IP         7745 SOUTHLAW RD         Image: SouthLaw RD         Image	ORDINATE ROVIDERS T DURING	RADE. R SHALL COO EAD UTILITY PRO POLE SUPPORT ON.	<ul> <li>PAVEMENT G</li> <li>NOT USED</li> <li>CONTRACTO WITH OVERH FOR UTILITY CONSTRUCT</li> <li>EXISTING STI</li> <li>NOT USED</li> <li>NOT USED</li> </ul>	615 610 605 600		YD-163 YARD DRAIN STA=39+54.57, L TC=605.50 12" S OUT=602.50	TC=605.50 T2=605.50 12" N IN=600.98 12" W OUT=600.98
HUGHES ROBERT P  TYR9 SOUTH LAND RD  LECEND  LECEND	ORDINATE ROVIDERS T DURING	RADE. R SHALL COO EAD UTILITY PRO POLE SUPPORT ON.	<ul> <li>PAVEMENT G</li> <li>NOT USED</li> <li>CONTRACTO WITH OVERH FOR UTILITY CONSTRUCT</li> <li>EXISTING STI</li> <li>NOT USED</li> </ul>	615 610 605		YD-163 YARD DRAIN STA=39+54.57, L TC=605.50 12" S OUT=602.50	TC=605.50 12" E IN=600.98 12" W OUT=600.98
HOUSES ROBERTY P         TRASSOUTH LAND RD         LECEND         LECEND         DRIVE APRON REPLACEMENT         OUTS APRON REPLACEMENT <t< td=""><td>ORDINATE ROVIDERS T DURING</td><td>RADE. R SHALL COO EAD UTILITY PRO POLE SUPPORT ON.</td><td><ul> <li>PAVEMENT G</li> <li>NOT USED</li> <li>CONTRACTO WITH OVERH FOR UTILITY CONSTRUCT</li> <li>EXISTING STI</li> </ul></td><td>615 ( 610 (</td><td></td><td>YD-163 YARD DRAIN STA=39+54.57, L TC=605.50 12" S OUT=602.50</td><td>TC=605.50 12" E IN=600.98 12" W OUT=600.98</td></t<>	ORDINATE ROVIDERS T DURING	RADE. R SHALL COO EAD UTILITY PRO POLE SUPPORT ON.	<ul> <li>PAVEMENT G</li> <li>NOT USED</li> <li>CONTRACTO WITH OVERH FOR UTILITY CONSTRUCT</li> <li>EXISTING STI</li> </ul>	615 ( 610 (		YD-163 YARD DRAIN STA=39+54.57, L TC=605.50 12" S OUT=602.50	TC=605.50 12" E IN=600.98 12" W OUT=600.98
HOUSES ROBERTY P         TRAY SOUTHLAND RD         LEGEND         LEGEND         LEGEND         LEGEND         DRIVE APRON REPLACEMENT, TYPE C         GEORGETY P         TO YOUE POSITIVE DRAINAGE         OUT OUT OF THE CONCEPTE C         REPLACEMENT, TYPE C         GEORGETY P         TO YOUE POSITIVE DRAINAGE         TO YOUE POSITIVE DRAINAGE         OUT OUT OF STITLE DRAINAGE         OUT OUT OUT OF STITLE DRAINAGE         OUT	ORDINATE ROVIDERS T DURING	RADE. R SHALL COO EAD UTILITY PRO POLE SUPPORT ON.	<ul> <li>PAVEMENT G</li> <li>NOT USED</li> <li>CONTRACTO WITH OVERH FOR UTILITY CONSTRUCT</li> <li>EXISTING STI</li> </ul>	615 ( 610 (		YD-163 YARD DRAIN STA=39+54.57, L TC=605.50 12" S OUT=602.50	TC=605.50 12" E IN=600.98 12" W IN=602.19 12" W OUT=600.98
HUGHES ROBERT P         7749 SOUTHAND RD         Image: South And RD	ORDINATE ROVIDERS T DURING	RADE. R SHALL COO EAD UTILITY PRO POLE SUPPORT ON.	<ul> <li>PAVEMENT G</li> <li>NOT USED</li> <li>CONTRACTO WITH OVERH FOR UTILITY CONSTRUCT</li> <li>EXISTING STI</li> </ul>	<u>615</u> ( 610	- - - - - - -	YD-163 YARD DRAIN STA=39+54.57, L TC=605.50 12" S OUT=602.50	TC=605.50 12" E IN=600.98 12" W OUT=600.98
HUGHES ROBERT P         7749 SOUTH LAND RD         Image: Strate S	ORDINATE ROVIDERS	RADE. R SHALL COO EAD UTILITY PRO POLE SUPPORT	<ul> <li>PAVEMENT G</li> <li>NOT USED</li> <li>CONTRACTO WITH OVERH FOR UTILITY</li> </ul>	<u>615</u>	- - - - - - -	/D-163 /ARD DRAIN 3TA=39+54.57, L 7C=605.50 2" S OUT=602.50	.50 .50 =600.98 =602.19 UT=600.98
HUGHES ROBERT P         7749 SOUTH LAND RD         Image: Strate S		RADE.	PAVEMENT G	<u>615</u>	-	<u>AIN</u> <u>34.57</u> , L 0 =602.50	<u>Š</u>
HUGHES ROBERT P 7749 SOUTHLAND RD	MEET		PAVEMENT G		- - - -		
HUGHES ROBERY P 7749 SOUTHLAND RD	MEET			<u>620</u>			
HUGHES ROBERT P 7749 SOUTHLAND RD		ASTING TO					
HUGHES ROBERT P 7749 SOUTHLAND RD			1 NOT USED	$\langle$	607.		606.
HUGHES ROBERT P 7749 SOUTHLAND RD	RCEL.		CONNECTION				62
HUGHES ROBERT P 7749 SOUTHLAND RD	UME ONE SANITARY	R SHALL ASSU ER, AND S	3. CONTRACTO GAS, WAT				
HUGHES ROBERT P 7749 SOUTHLAND RD HUGHES ROBERT P TERRY MARY LOU 7748 SOUTHLAND RD HUGHES ROBERT P HUGHES ROBERT P	UTILITIES, AINAGE AS	ELICTS WITH	AVOID CON AND PROVID				·
HUGHES ROBERT P 7749 SOUTHLAND RD	EVATIONS	TIONS AND ELE ED INLETS AND	2. FINAL LOCA OF PROPOS				
HUGHES ROBERT P 7749 SOUTHLAND RD	DIFFER IN NTRACTOR	OR DEPTHS D 1 PLAN, CON	LOCATIONS FILED FROM			<u>EX. SAN</u> STA. ±3(	
HUGHES ROBERT P 7749 SOUTHLAND RD	EXISTING	ND DEPTHS OF	LOCATIONS A			<u>V. LAT.</u> 9+63	
HUGHES ROBERT P 7749 SOUTHLAND RD LEGEND LEGEND LEGEND LEGEND CHALL EXISTING PIPE TO BE REMOVED DRIVE APRON REPLACEMENT (SEE DETAILS) ASPHALT CONCRETE REPLACEMENT, TYPE C (SEE DETAILS) PROVIDE POSITIVE DRAINAGE TO STORM STRUCTURE NOTES: 1. THE EXISTING UNDERGROUND UTILITIES WERE OBTAINED FROM VARIOUS SOURCES INCLUDING, BUT NOT LIMITED TO, FIELD OBSERVATIONS) AND RECORDS MADE AVAILABLE TO CREATE A COMPOSITE AVAILABLE TO CREATE A COMPOSITE	ea, either Ned. The Rform a	es in the are/ Or Abandon R Shall Per	SUCH UTILIT IN SERVICE CONTRACTO		2	   %	
HUGHES ROBERT P 7749 SOUTHLAND RD LEGEND LEGEND LEGEND LEGEND CMALL EXISTING PIPE TO BE REMOVED DRIVE APRON REPLACEMENT (SEE DETAILS) ASPHALT CONCRETE REPLACEMENT, TYPE C (SEE DETAILS) PROVIDE POSITIVE DRAINAGE TO STORM STRUCTURE NOTES: 1. THE EXISTING UNDERGROUND UTILITIES WERE OBTAINED FROM VARIOUS SOURCES INCLUME, BUT NOT LIMITED TO, FIELD OBSERVATIONS) AND RECORDS MADE AVAILABLE TO CREATE A COMPOSITE DRAWING OF EXISTING CONDITIONS	R IMPLIED, LETENESS,	EXPRESSED OR E COMPLI	WARRANTY, OF TH			ST-22	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
HUGHES ROBERT P 7749 SOUTHLAND RD LEGEND · ////· EXISTING PIPE TO BE REMOVED DRIVE APRON REPLACEMENT (SEE DETAILS)	RDS MADE OMPOSITE NDITIONS.	NS) AND RECOR O CREATE A CO EXISTING COI	OBSERVATIC AVAILABLE DRAWING OI				SA606
HUGHES ROBERT P 7749 SOUTHLAND RD LEGEND LEGEND CHAMI EXISTING PIPE TO BE REMOVED DRIVE APRON REPLACEMENT (SEE DETAILS) DRIVE APRON REPLACEMENT (SEE DETAILS) PROVIDE POSITIVE DRAINAGE TO STORM STRUCTURE NOTES: 1 THE EXISTING UNDERCROUND	ED FROM DING, BUT	ERE OBTAINE URCES INCLUD	UTILITIES V VARIOUS SC				1~12" LA
HUGHES ROBERT P 7749 SOUTHLAND RD LEGEND LEGEND LEGEND LEGEND LEGEND DRIVE APRON REPLACEMENT (SEE DETAILS) DRIVE APRON REPLACEMENT (SEE DETAILS) PROVIDE POSITIVE DRAINAGE PROVIDE POSITIVE DRAINAGE			NOTES:				
HUGHES ROBERT P 7749 SOUTHLAND RD LEGEND LEGEND LEGEND CALLED LEGEND CALLED DRIVE APRON REPLACEMENT (SEE DETAILS) ASPHALT CONCRETE REPLACEMENT, TYPE C	VE DRAINAGE	EE DETAILS) ROVIDE POSITIV	(\$	ľ		(YD-163)	
HUGHES ROBERT P 7749 SOUTHLAND RD LEGEND · / / / / / EXISTING PIPE TO BE REMOVED DRIVE APRON REPLACEMENT (CEE DETAILS)		EPLACEMENT, T	R	Ę			
HUGHES ROBERT P 7749 SOUTHLAND RD LEGEND EXISTING PIPE TO BE	EPLACEMENT		*******************************				
HUGHES ROBERT P 7749 SOUTHLAND RD	O BE					<u>-64</u>	
		ND	LEGE			SOUTHLAND RD	7749
	20'	0'	20'				HUG
	L						



DATE	CITY OF MENTOR-ON-THE-LAKE	ISSUED FOR:	REVIEW	
		ISSUE DATE:	10/11/2024	
	SOUTHLAND ROAD DRAINAGE	SCALE:	AS SHOWN	
	SYSTEM IMPROVEMENTS	DESIGNED BY:	JPL/PAB	
		DRAWN BY:	GMS/PAB	
	LAKE COUNTY, OHIO	CHECKED BY:	TRL	



### <u>LEGEND</u>

- 1. 1. 1. 1. 1. 1.





DRIVE APRON REPLACEMENT (SEE DETAILS)

ASPHALT CONCRETE REPLACEMENT, TYPE C (SEE DETAILS)

PROVIDE POSITIVE DRAINAGE TO STORM STRUCTURE

NOTES:

- 1. THE EXISTING UNDERGROUND UTILITIES WERE OBTAINED FROM VARIOUS SOURCES INCLUDING, BUT NOT LIMITED TO, FIELD OBSERVATIONS) AND RECORDS MADE AVAILABLE TO CREATE A COMPOSITE DRAWING OF EXISTING CONDITIONS. THERE IS NO GUARANTEE OR WARRANTY, EXPRESSED OR IMPLIED, OF THE COMPLETENESS, CORRECTNESS OR ACCURACY OF SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE CONTRACTOR SHALL PERFORM A FIELD INVESTIGATION TO CONFIRM LOCATIONS AND DEPTHS OF EXISTING UTILITIES AND STRUCTURES IN THE WORK AREA. IN THE EVENT UTILITY LOCATIONS OR DEPTHS DIFFER IN FILED FROM PLAN, CONTRACTOR SHALL NOTIFY THE ENGINEER.
- 2. FINAL LOCATIONS AND ELEVATIONS OF PROPOSED INLETS AND BASINS SHALL BE ADJUSTED IN THE FIELD TO AVOID CONFLICTS WITH UTILITIES, AND PROVIDE POSITIVE DRAINAGE AS DIRECTED BY THE ENGINEER.
- 3. CONTRACTOR SHALL ASSUME ONE GAS, WATER, AND SANITARY CONNECTION EACH PER PARCEL.

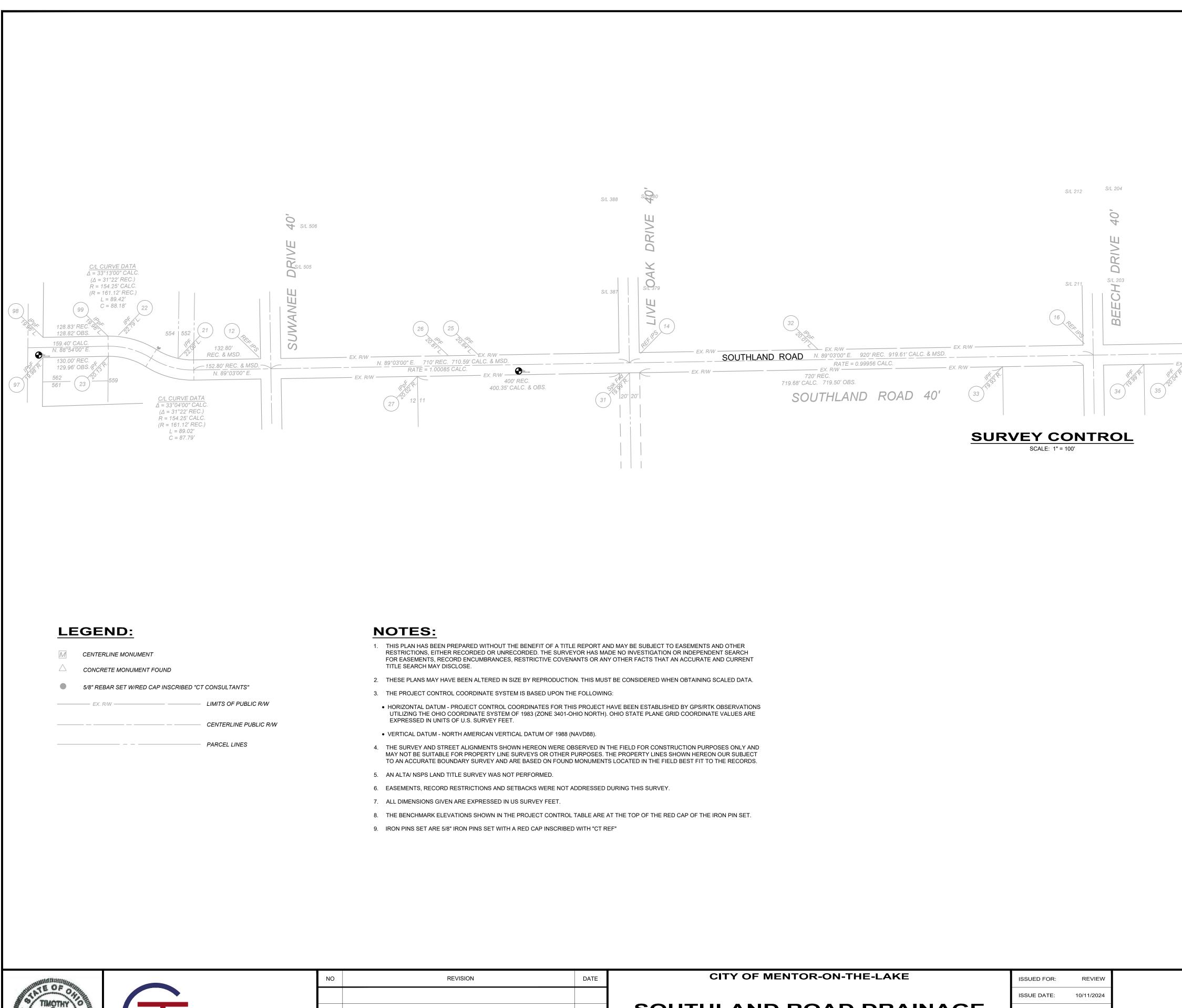
CODED NOTES:

- $\langle 1 \rangle$  remove existing storm catch BASIN STRUCTURE.
- $\frown$ 2 ADJUST CASTING TO MEET PAVEMENT GRADE.
- $\langle 3 \rangle$  CONTRACTOR SHALL REMOVE, STORE AND RESET EXISTING ROADWAY SIGN AND POST TO FACILITATE CONSTRUCTION.
- $\langle 4 \rangle$  Contractor shall coordinate WITH OVERHEAD UTILITY PROVIDERS FOR UTILITY POLE SUPPORT DURING CONSTRUCTION.
- $\left< 5 \right>$  NOT USED
- 6 NOT USED

 $\langle 7 \rangle$  NOT USED

- 8
   REMOVE
   EXISTING
   HEADWALL
   STRUCTURE.
- $\langle 9 \rangle$  NOT USED
- (10) CONTRACTOR SHALL REMOVE EXISTING BRICK CHANNEL LINING. CONTRACTOR SHALL STOCKPILE BRICKS AT HOMEOWNER'S DISCRETION.

		ст NO. 645
PLAN AND PROFILE		
STA 40+00 TO 44+00	PF	<b>P-</b> 7
	SHEET	OF
	13	14



ANNON 58885

our trusted advisor

consultants

engineers

architects planners

DATE	CITY OF MENTOR-ON-THE-LAKE	ISSUED FOR:	REVIEW	
		ISSUE DATE:	10/11/2024	
	SOUTHLAND ROAD DRAINAGE	SCALE:	AS SHOWN	
	SYSTEM IMPROVEMENTS	DESIGNED BY:	JPL/PAB	
		DRAWN BY:	GMS/PAB	
	LAKE COUNTY. OHIO	CHECKED BY:	TRL	

						14	14
					ŀ	SHEET	OF
	SC-1						
SURVE	ŀ	<b>CIVIL</b> SHEET NAME					
					ŀ	DISC	IPLINE
						210	645
						PROJE	ECT NO.
	99 137	746477.911 746468.16	2276125.236 2278537.848	606.834 604.474	SCIPPF SCIPF (37 I	Reobserved - b	pent)
	98	746475.441	2275996.468	602.765	SCIPPE		
	97	746435.49	2275996.042	602.91	SCIPPF		
	96	746454.808	2276222.558	603.937	SCIPIF		
	52	746435.797	2276424.603	604.797	SCIPIF		
	<u>37</u> 51	746468.2344 746454.2937	<u>2278538.101</u> 2275946.292	<u>604.823</u> 603.531	SCIPPF SCIPIF		
	35	746423.3131	2278258.339	604.595	SCIPIF		
	34	746422.0281	2278178.31	604.54	SCIPIF		
	33	746417.4414	2277898.154	604.761	SCIPIF		
	32	746451.3324	2277532.594	605.227	SCIPPF		
	<u>30</u> 31	746546.2202 746405.1233	<u>277177.048</u> 2277158.757	<u>604.714</u> 606.213	SCIPIF SCSPF		
	29	746680.2439	277141.975	603.755	SCMNS		
	28	746408.9448	2276939.071	606.024	SCBMS		
	27	746398.1223	2276738.466	604.904	SCIPPF		
	26	746439.9586	2276798.817	605.149	SCIPIF		
	25	746440.9903	2276858.823	605.583	SCIPIF		
	23	746402.5873	2276939.523	605.339	SCIPPF		
	22	746479.9281 746437.8316	<u>2276145.865</u> 2276125.974	<u>606.636</u> 604.016	SCIPIF SCIPIF		
	<u>21</u> 22	746435.5334	2276265.71	605.244	SCIPIF		
	20	746440.5585	2275987.887	603.916	SCBMS		
	18	746481.6064	2279259.169	608.359	SCIPIS		
	17	746434.551	2278632.626	605.147	SCIPIS		
	16	746462.8109	2278060.214	605.273	SCIPIS		
	15	746422.9343	2277523.869	605.042	SCIPIS		
	<u>13</u> 14	746409.8195 746443.5758	2276864.384 2277180.758	604.685 606.164	SCIPIS SCIPIS		
	12	746435.8462	2276424.707	604.917	SCIPIS		
	5	746422.8179	2277523.879	604.935	SCIPIS		
	4	746443.617	2277180.766	606.198	SCIPIS		

Easting

603.709

604.905

604.505

606.198

2275946.421

2276424.718

2276864.35 2277180.766

FY R/M

Northing

746454.3213

746435.8403

746409.705

746443.617

MENTOR BEACH PARK NO. 2 F-7

