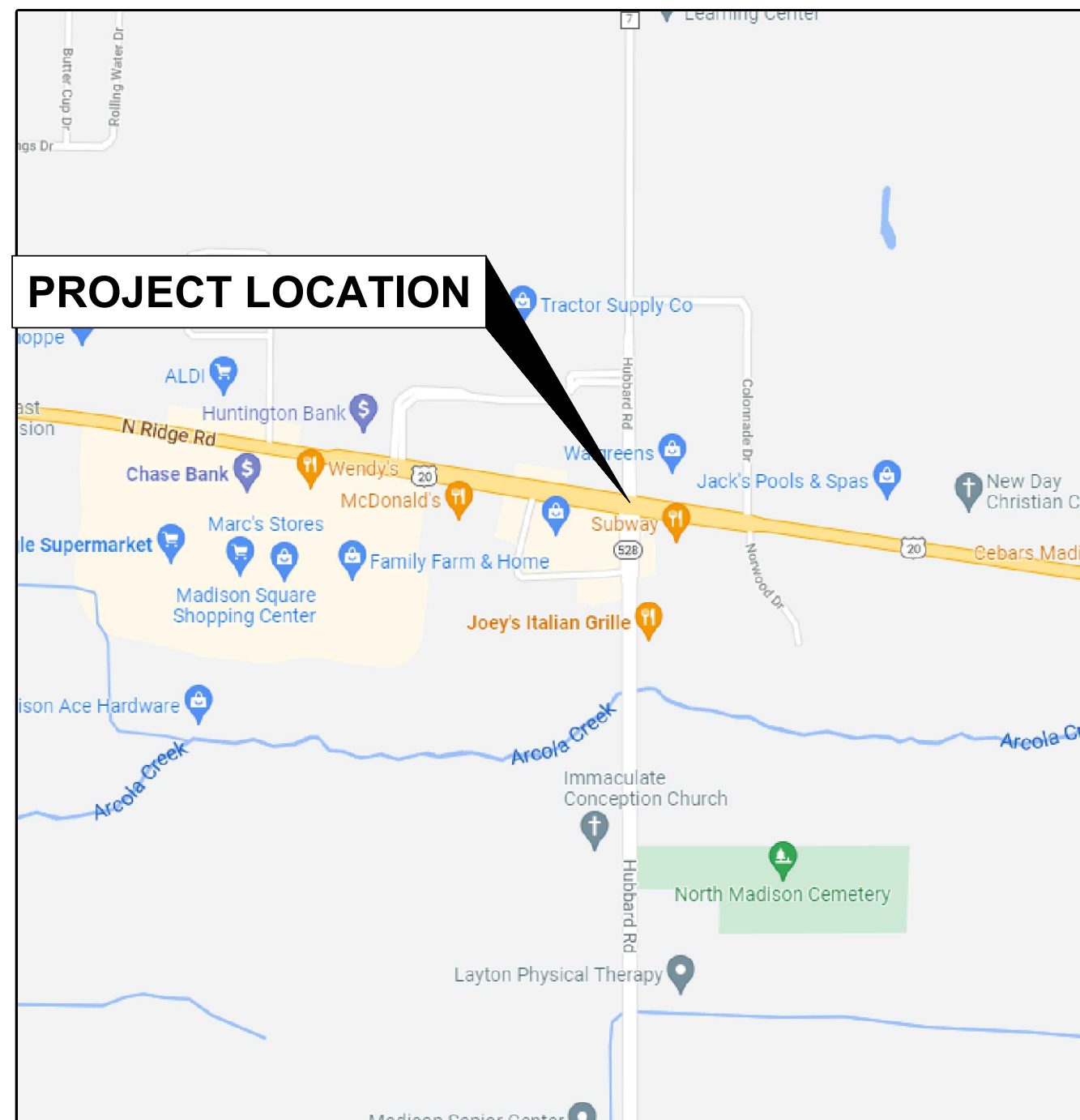


**LAK-20-24.99 - RELOCATION
CLEAR DATE: 4/1/23**

**PUBLIC AUTHORITY PROJECT
ODOT PID #109270
MADISON TWP. LAKE COUNTY, OH
NOTIFICATION #P401262983
MWO #64519478
CWO #65469741**



LOCATION MAP

INDEX OF SHEETS

TITLE SHEET	1
GENERAL NOTES	2
PURGE / PHASING PLAN	3-4
GAS FEED PLAN	3-4
PLAN SHEETS	5-21
RESTORATION	22-27
SHOPPING CENTER SERVICES	28

OVERALL HIGH-LEVEL PROJECT SCOPE

THIS PROJECT CONSISTS OF RELOCATING EXISTING MP STL & PL WITH 10,735 FEET OF 2", 3", 4", 6" MP MDPL.

PROPOSED PIPE FOOTAGES:
 PROPOSED 2" MP MDPL - 19 FEET
 PROPOSED 3" MP MDPL - 10 FEET
 PROPOSED 4" MP MDPL - 4,817 FEET
 PROPOSED 6" MP MDPL - 5,889 FEET

APPROXIMATE NUMBER OF SERVICES AFFECTED BY CONSTRUCTION:
 8 RESIDENTIAL MAIN TO CURB
 8 RESIDENTIAL CURB TO METER
 47 COMMERCIAL MAIN TO CURB
 47 COMMERCIAL CURB TO METER

SYMBOL LEGEND

- | | | | |
|--|------------------------|--|---------------------------|
| | I.P. FOUND | | SATELLITE DISH |
| | MONUMENT BOX | | FLAG POLE |
| | BENCHMARK | | ROCK |
| | STORM SEWER MANHOLE | | MAIL BOX |
| | CURB INLET | | POST |
| | CATCH BASIN | | SIGN |
| | SANITARY SEWER MANHOLE | | GAS MARKER |
| | SEPTIC TANK | | ELECTRIC MARKER |
| | WATER MANHOLE | | TELEPHONE MARKER |
| | WATER METER | | CABLE MARKER |
| | WATER VALVE | | ADA RAMP |
| | FIRE HYDRANT | | EX. GAS VALVE |
| | MONITOR WELL | | EX. GAS METER |
| | LIGHT POLE | | PROP. GAS METER |
| | SUPPORT POLE | | EX. GAS TEST BOX |
| | POWER POLE | | EX. GAS DRIP |
| | TELEPHONE POLE | | EX. COUPLING |
| | GUY | | EX. REDUCER |
| | TOWER POLE | | EX. END CAP |
| | YARD LIGHT | | PROP. GAS VALVE |
| | RAILROAD CROSSING | | PROP. CRITICAL GAS VALVE |
| | ELECTRIC MANHOLE | | PROP. REDUCER |
| | ELECTRIC PEDESTAL | | PROP. CAP |
| | TELEPHONE MANHOLE | | PROP. 3-WAY/SPHERICAL TEE |
| | TELEPHONE PEDESTAL | | PROP. COUPLING |
| | FIBER OPTIC MANHOLE | | PROP. STOPPER |
| | CABLE MANHOLE | | CAUSE FOR PAUSE |
| | CABLE PEDESTAL | | TREE |
| | UTILITY MANHOLE | | REMOVE |
| | TRAFFIC PEDESTAL | | EVERGREEN TREE |
| | PULL BOX | | SHRUB |
| | FLOOD PLAIN | | STUMP |
| | BROWNFIELD | | BAT TREE |
| | WETLANDS | | |

GENERAL LINE LEGEND

- | | | | |
|-----------------------------------------|--|------------------------------------|--|
| PROPOSED LP GAS LINE | | PROPERTY LINE | |
| PROPOSED MP GAS LINE | | CORPORATION LINE | |
| PROPOSED IP GAS LINE | | EXISTING EASEMENT | |
| PROPOSED HP GAS LINE | | EXISTING UNDERGROUND STEAM | |
| PROPOSED TPL GAS LINE | | EXISTING UNDERGROUND CHILLER WATER | |
| PROPOSED STORAGE GAS LINE | | EXISTING UNDERGROUND CABLE | |
| PROPOSED GATHERING GAS LINE | | EXISTING UNDERGROUND TELEPHONE | |
| PROPOSED PRODUCTION GAS LINE | | EXISTING UNDERGROUND ELECTRIC | |
| PROPOSED SERVICE LINE | | EXISTING UNDERGROUND FIBER OPTICS | |
| PROPOSED DEO EASEMENT | | EXISTING SANITARY SEWER | |
| EXISTING GAS LINE TO BE ABANDONED | | EXISTING STORM SEWER | |
| EXISTING GAS LINE TO BE REMOVED | | EXISTING WATERMAIN | |
| EXISTING LOW PRESSURE GAS LINE | | EXISTING GUARDRAIL | |
| EXISTING MEDIUM PRESSURE GAS LINE | | EXISTING RAILROAD | |
| EXISTING INTERMEDIATE PRESSURE GAS LINE | | | |
| EXISTING HIGH PRESSURE GAS LINE | | RIGHT OF WAY | |
| EXISTING CASING PIPE | | CENTER LINE | |
| EXISTING TRANSMISSION LINE | | EXISTING ROAD PAVEMENT | |
| EXISTING PRODUCTION GAS LINE | | EXISTING WALK/DRIVE | |
| EXISTING STORAGE LINE | | FENCE | |
| EXISTING GATHERING LINE | | TREE LINE | |
| EXISTING SERVICE LINE | | | |
| EXISTING SERVICE OFF SERVICE LINE | | | |
| ABANDONED GAS LINE | | | |
| OVERHEAD UTILITY LINE | | | |

CONTACTS

PROJECT MANAGER:
BRYAN DAYTON 330-612-7357

DESIGN COORDINATOR:
RICHARD HOUSEHOLDER 330-604-0120

DESIGNER:
JIM CLARK 330-606-1626

CONSTRUCTION SUPERVISOR:
DAVID KLEPCYK 216-470-1052

MUNICIPALITY(IES):
ODOT DISTRICT 12 - PAINESVILLE OFFICE
FRANK DELGUVD OR MIKE BUEHNER 216-584-2050.

ENVIRONMENTAL:
TARA BUZZELLI 330-604-8871

LAND SERVICES:
ALEC SHOOK 330-803-9795

CORROSION:
THEODORE HARSHMAN 216-299-6861

IN CASE OF EMERGENCY CALL 9-1-1, THEN:
PRIMARY EMERGENCY LINE FOR CUSTOMERS 877-542-2630

REFER TO MATERIAL LIST OR BID SHEET(S) FOR ACTUAL QUANTITIES.
CONTACT PROJECT MANAGER FOR QUESTIONS.



1-800-362-2764 or 811

CAUSE FOR PAUSE

SIGNIFICANT/CRITICAL ITEMS REQUIRING CAUTION APPLY TO THIS PROJECT AND REQUIRE AN ONSITE PRE-CONSTRUCTION MEETING BY DESIGN AND CONSTRUCTION.

PIPELINE INFORMATION TABLE

PRESS.	SYS. ID.	PCB ZONE	SYSTEM MAOP	TESTING
MEDIUM	LM1	YELLOW	55 psi	PRESSURE TESTING SHALL BE IN ACCORDANCE WITH DEO SOP

MUNICIPALITY: Madison Twp, Madison LSD	
INV. DIV. 458	COUNTY: LAKE
OPERATING AREA: ASHTABULA	COORD: 41.802283, -81.048610
CLASS LOCATION: 3	DESIGN CLASS LOCATION: 3
XRAY: 100%	
FACILITY ID: 45800041	

OHIO UTILITIES PROTECTION SERVICE
2 WORKING DAYS BEFORE YOU DIG
CALL TOLL FREE 1-800-362-2764



REV	DATE	BY	DESCRIPTION



ODOT LAK-20-24.99

TITLE SHEET

DATE: 2/13/2023
PROJECT ID #: P401262983

1
28

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.

GENERAL NOTES

- CONTRACTOR MUST MAINTAIN A SAFE WALKWAY FOR PEDESTRIAN TRAVELING THROUGH THE WORK ZONE.
- INGRESS AND EGRESS TO DRIVEWAYS TO BE MAINTAINED WHEN PRACTICAL FOR CONSTRUCTION.
- DEO CONTRACTOR IS TO FOLLOW PCB PIPELINE GUIDELINES:
- ALL PAVEMENT OPENINGS TO BE RESTORED PER ODOT DISTRICT 12 REQUIREMENTS.
- ALL RESTORATION MUST BE COMPLETED IMMEDIATELY AFTER GAS MAIN INSTALLATION.
- CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY RESTORATION AND ITS MAINTENANCE UNTIL FINAL RESTORATION IS COMPLETE.
- **NO WORK SHALL BEGIN UNTIL THE PERMITEE HAS CONTACTED AND RECEIVED INSTRUCTIONS FROM ODOT DISTRICT 12 PAINESVILLE OFFICE TO BE CONTACTED [3] WORKING DAYS BEFORE START OF CONSTRUCTION. CALL FRANK DELGUYD OR MIKE BUEHNER 216-584-2050.**
- **THE PERMITEE SHALL NOTIFY DISTRICT 12'S PERMITS DEPARTMENT BY EMAIL AT district12permits@dot.ohio.gov WHEN WORK IS COMPLETE AND READY FOR INSPECTION. THIS STEP WILL AID IN CLOSING OUT THIS PERMIT IN A TIMELY MANNER. PLEASE INCLUDE PERMIT NUMBER IN THE EMAIL.**
- CONTRACTOR MUST CALL OUPS AT LEAST TWO (2) WORKING DAYS BEFORE STARTING WORK.
- ONE LANE OF TRAFFIC MUST BE MAINTAINED IN BOTH DIRECTIONS DURING NON-CONSTRUCTION HOURS.
- SUPPORTING OF EXISTING UTILITY POLES DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING MAKING THE ARRANGEMENTS WITH THE 3RD PARTY TO COORDINATE THE WORK.
- CONTRACTOR TO GAUGE LINES AND USE DOUBLE BYPASSES AS REQUIRED.
- CONTRACTOR SHALL ADHERE TO ALL ASPECTS OF THE DEO CORROSION POLICY WHEN WORKING ON STEEL MAINS AND SERVICES.
- DEO WILL PAY FOR ANY AND ALL NON-DESTRUCTIVE TESTING (NDT) OF WELDS. THE CONTRACTOR SHALL ASSIST THE NDT CONTRACTOR WHERE NEEDED AT NO ADDITIONAL COST TO DEO
- ALL GAS WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CURRENT VERSION OF DOMINION SPECIFICATIONS AND PROCEDURES, INCLUDING BUT NOT LIMITED TO:
 - DOMINION STANDARD OPERATING PROCEDURES (SOP)
 - DOMINION DESIGN & CONSTRUCTION MANUAL (D&C)
 - DOMINION GENERAL CONSTRUCTION REQUIREMENTS
- ALL MATERIAL AND FABRICATION SHALL MEET OR EXCEED CURRENT VERSIONS OF INDUSTRY SPECIFICATIONS AND PROCEDURES, INCLUDING BUT NOT LIMITED TO:
 - ANSI, API, AND ASTM SPECIFICATIONS
- ALL NON-GAS RELATED SITE AND RESTORATION WORK SHALL BE COMPLETED IN ACCORDANCE WITH APPLICABLE JURISDICTIONAL REQUIREMENTS.

MAINTENANCE OF TRAFFIC

ALL TRAFFIC MAINTENANCE SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF:
 THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
 INCLUDING BUT NOT EXCLUSIVE OF O.R.C 614.02, 614.03

1. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE TRAFFIC CONTROL PROVIDER (TCP) AT LEAST 48 HOURS IN ADVANCE:
 - AWP (YOUNGSTOWN, ASHTABULA, AKRON, CANTON & WOOSTER) - 800-343-2650
 - WD WRIGHT (NORTHEAST, EASTERN, WESTERN, MARIETTA, NEW PHILADELPHIA, AKRON, CANTON & WOOSTER) - 330-472-3220.
 - WD WRIGHT (LIMA) - 419-280-7985.
 - SOUTHPOINTE (YOUNGSTOWN, ASHTABULA, NORTHERN, EASTERN & WESTERN) - 412-765-9201.
 - BOLON (MARIETTA & NEW PHILADELPHIA) - 740-567-4102.
 - ZONE SAFETY (LIMA) - 440-752-9545
2. CONTRACTOR IS RESPONSIBLE TO COORDINATE, SCHEDULE AND CANCEL TRAFFIC CONTROL WITH TCP AND THE RESPECTIVE MUNICIPALITY AND/OR JURISDICTIONAL ENTITY. CANCELING OF TRAFFIC CONTROL WITH THE TCP IS REQUIRED TO BE DONE A MINIMUM OF 1 HOUR BEFORE THE ESTABLISHED JOB START TIME TO AVOID PENALTY. IF CONTRACTOR CANCELS OR SHUTS DOWN FOR ANY REASON, AND FAILS TO CANCEL WITH TCP PRIOR TO THE MINIMUM ADVANCE NOTICE, THE CONTRACTOR IS RESPONSIBLE FOR PAYMENT TO TCP. DEO FIELD INSPECTOR TO DOCUMENT THIS ON CURRENT TCP/TRAFFIC CONTROL AS-BUILT PAPERWORK.

GAS PLANNING - GAS FEED DISCLAIMER:

1. GAS FEED INFORMATION PROVIDED WAS OBTAINED FROM GAS PLANNING AND REPRESENTS "TYPICAL FLOW" UNDER NORMAL OPERATING CONDITIONS.
2. GAS FEED INFORMATION AS SHOWN AT TIE-IN LOCATIONS IS FOR REFERENCE ONLY AND MUST NOT BE USED IN DETERMINING THE NEED FOR BY-PASS PROCEDURES.
3. GAS PLANNING MUST BE CONSULTED TO VERIFY FEED AT TIME OF CONSTRUCTION.

CORROSION:

FOR ALL TEST POINTS INSTALLED OR RE-INSTALLED, DEO INSPECTOR TO OBTAIN PIPE-TO-SOIL READING. IF READING CANNOT BE ACHIEVED OR FALLS BELOW -0.850 VOLTS, DEO INSPECTOR TO CONTACT DEO CORROSION TO DETERMINE ANODE PLACEMENT.
2. DEO'S CONTRACTOR IS RESPONSIBLE FOR PARTIAL RESTORATION ON THIS PROJECT. (SEE DETAILED DESCRIPTION BELOW)

POST-CONSTRUCTION RESTORATION REQUIREMENTS

WITHIN CONSTRUCTION LIMITS:
 TEMPORARY RESTORATION.
 OUTSIDE OF CONSTRUCTION LIMITS:
 FULLY RESTORE PER ODOT DISTRICT 12 STANDARDS.

ENVIRONMENTAL COMPLIANCE ISSUES:

	YES	NO	N/A	COMMENTS
TREE CLEARING RESTRICTIONS	-	-	-	-
SPECIAL REQUIREMENTS	-	-	-	-
INLET PROTECTION	-	-	-	-
RESTORATION	-	-	-	-
HISTORICAL	-	-	-	-
FLOODPLAIN	-	-	-	-
(OTHER)	-	-	-	-
COUNTY SOIL AND WATER CONSERVATION DISTRICT PRE-CONSTRUCTION MEETING OR NOTIFICATION	-	-	-	-
PIPE REMOVAL	-	-	-	-
WETLANDS	-	-	-	-
STREAMS	-	-	-	-
IN WATER WORK RESTRICTION	-	-	-	-
THIS TABLE IS FOR REFERENCE ONLY. PLEASE REFER TO THE ENVIRONMENTAL COMPLIANCE SUMMARY FOR ENVIRONMENTAL REQUIREMENTS				

REV	DESCRIPTION	DATE	BY

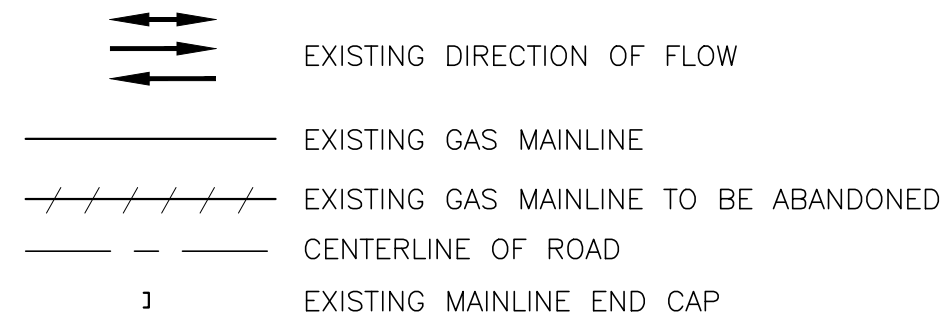


ODOT LAK-20-24.99

NOTE SHEET

DATE: 2/13/2023
PROJECT ID #: P401262983

1. BYPASS, SQUEEZE OFF EXISTING 4" MDPL PLASTIC, REMOVE EXISTING CAP & REDUCER, AND TIE-IN WITH 4" ELECTRO-FUSE COUPLING.
2. INSTALL 4" 3-WAY-TEE ON EXISTING 4" STEEL MP MAIN.
3. BYPASS AND SQUEEZE OFF EXISTING 4" DRISCO PLASTIC, TIE-IN WITH 4" PERFECTION COUPLING.



GAS PLANNING - GAS FEED DISCLAIMER:

1. GAS FEED INFORMATION PROVIDED WAS OBTAINED FROM GAS PLANNING AND REPRESENTS "TYPICAL FLOW" UNDER NORMAL OPERATING CONDITIONS.
2. GAS FEED INFORMATION AS SHOWN AT TIE-IN LOCATIONS IS FOR REFERENCE ONLY AND MUST NOT BE USED IN DETERMINING THE NEED FOR BY-PASS PROCEDURES.
3. GAS PLANNING MUST BE CONSULTED TO VERIFY FEED AT TIME OF CONSTRUCTION.



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NORTH

REV	DESCRIPTION	DATE	BY



ODOT LAK-20-24.99

PHASING PLAN
/ INDEX MAP

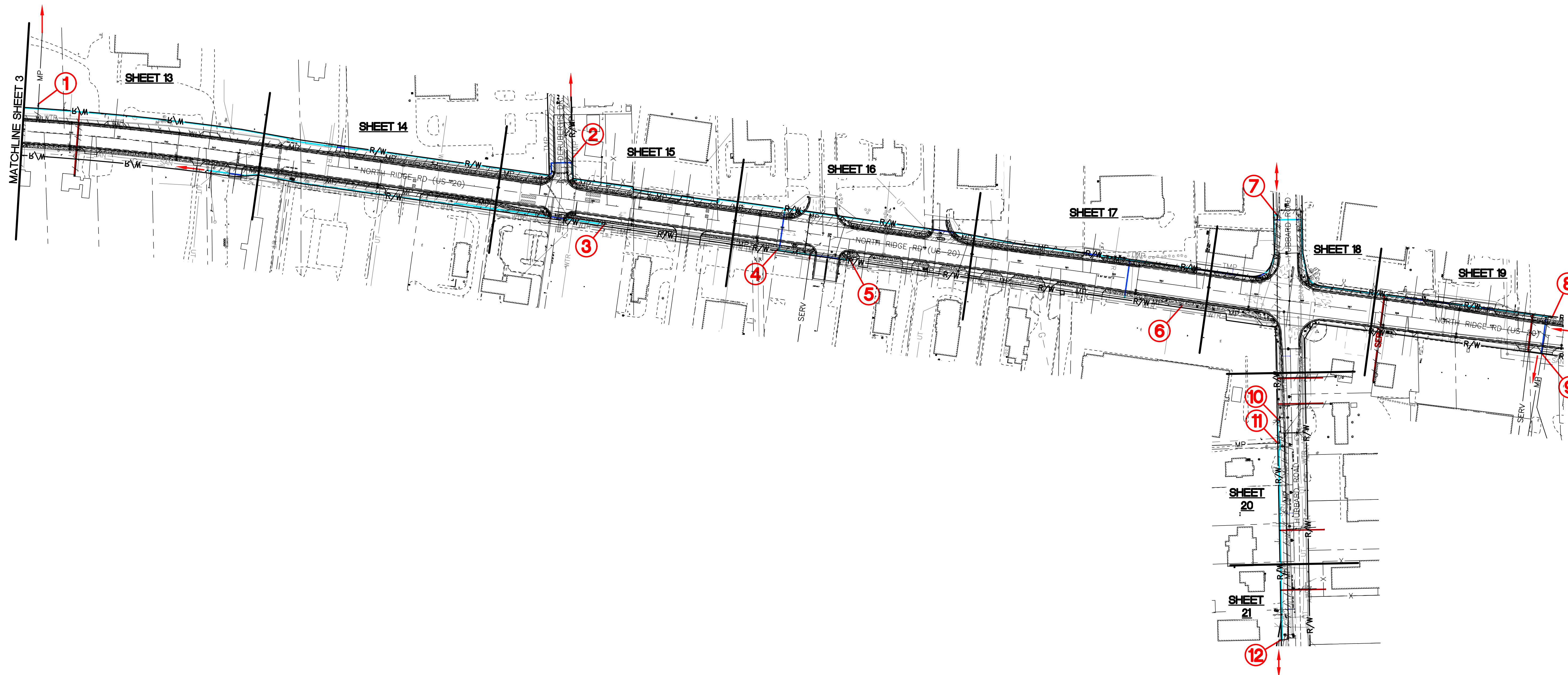
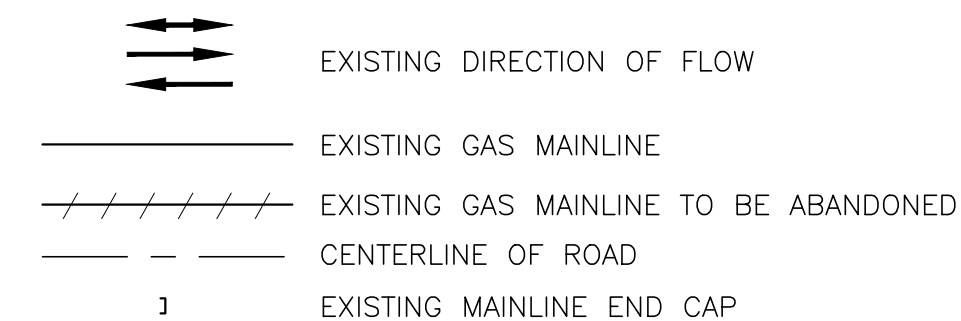
DATE: 2/13/2023
PROJECT ID #: P401262983

1. BYPASS AND SQUEEZE OFF EXISTING 3" DRISCO PLASTIC, TIE-IN WITH 3" PERFECTION COUPLING.
2. BYPASS, STOPPER OFF, AND TIE-IN WITH 1"STL-2"MDPL REDUCING COUPLING.
3. CONTRACTOR TO BYPASS, STOPPER-OFF, & TIE-IN WITH 6"STL-4"MDPL REDUCING COUPLING
4. INSTALL 6" 3-WAY-TEE ON EXISTING 6" STEEL MP MAIN.
5. INSTALL 6" 3-WAY-TEE ON EXISTING 6" STEEL MP MAIN.
6. INSTALL 6" 3-WAY-TEE ON EXISTING 6" STEEL MP MAIN.
7. INSTALL 6" SPHERICAL 3-WAY-TEE ON EXISTING 6" STEEL MP MAIN.
8. INSTALL 2" 3-WAY-TEE ON EXISTING 2" STEEL MP MAIN.
9. BYPASS, STOPPER-OFF, & TIE-IN COMPLETE WITH 4"MDPL-2"STL REDUCING COUPLING.

10. INSTALL 6" 3-WAY-TEE ON EXISTING 6" STEEL MP MAIN.
11. BYPASS, STOPPER-OFF, & TIE-IN COMPLETE WITH 4"MDPL-2"STL REDUCING COUPLING.
12. CONTRACTOR TO BYPASS, SQUEEZE-OFF, & TIE-IN COMPLETE WITH 6" E-FUSE COUPLING.

GAS PLANNING - GAS FEED DISCLAIMER:

1. GAS FEED INFORMATION PROVIDED WAS OBTAINED FROM GAS PLANNING AND REPRESENTS "TYPICAL FLOW" UNDER NORMAL OPERATING CONDITIONS.
2. GAS FEED INFORMATION AS SHOWN AT TIE-IN LOCATIONS IS FOR REFERENCE ONLY AND MUST NOT BE USED IN DETERMINING THE NEED FOR BY-PASS PROCEDURES.
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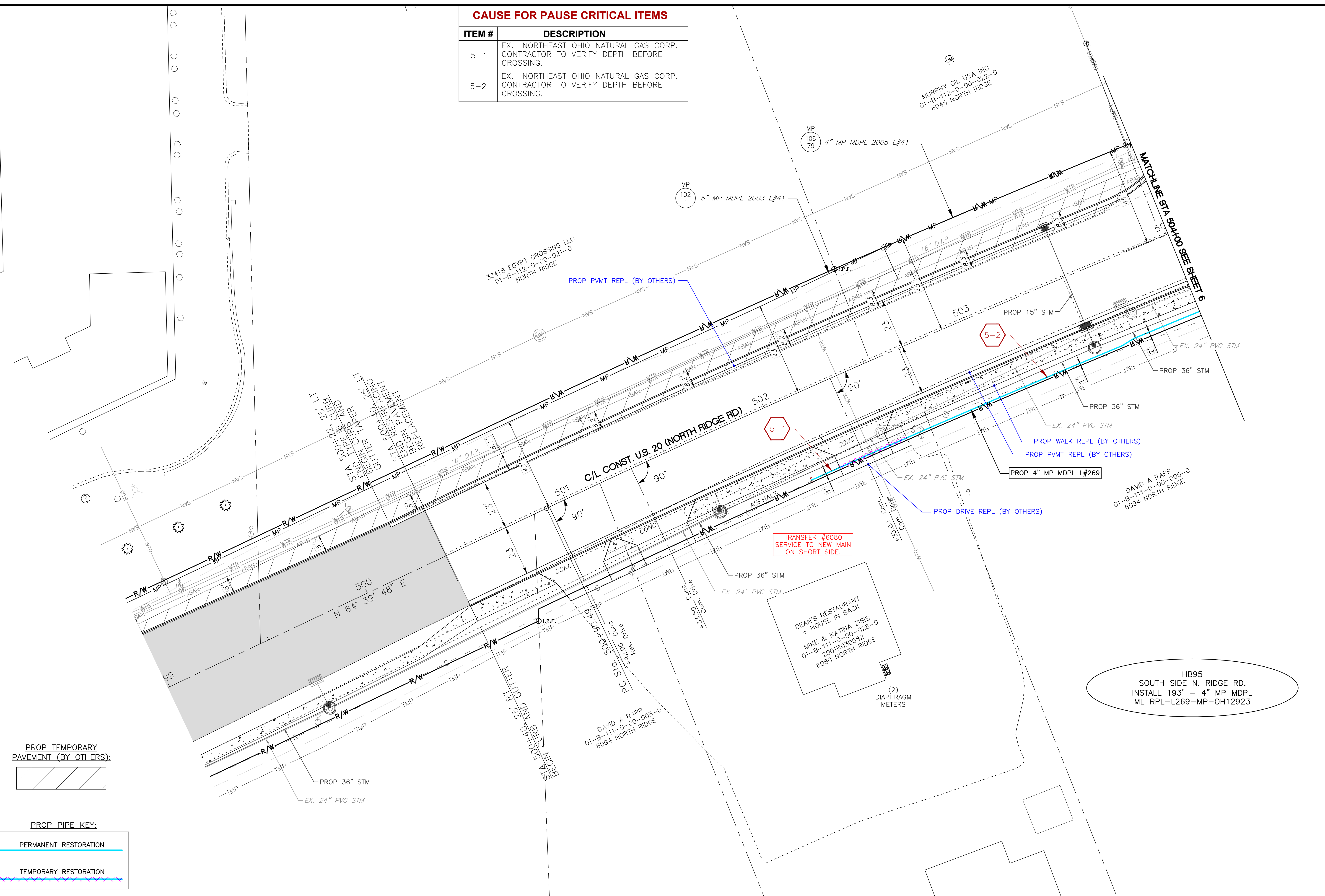
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 NORTH
 Dominion Energy
ODOT LAK-20-24.99
PHASING PLAN / INDEX MAP
DATE: 2/13/2023 PROJECT ID #: P401262983
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CAUSE FOR PAUSE CRITICAL ITEMS

ITEM #	DESCRIPTION
5-1	EX. NORTHEAST OHIO NATURAL GAS CORP. CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.
5-2	EX. NORTHEAST OHIO NATURAL GAS CORP. CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.

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PROP TEMPORARY PAVEMENT (BY OTHERS):

PROP PIPE KEY:

PERMANENT RESTORATION

TEMPORARY RESTORATION

NORTH

DRAWING SCALE

0 20 40'

REV	DESCRIPTION	DATE	BY

Dominion Energy

ODOT LAK-20-24.99

PLAN SHEET

DATE: 2/13/2023	PROJECT ID #:
5	P401262983

5

28

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GAS FEED @ TIE-IN:
DUAL
GAS FLOW DISCLAIMER - SEE GENERAL NOTES PAGE
MP TIE-IN
CONTRACTOR TO BYPASS,
SQUEEZE-OFF, REMOVE EXISTING CAP
& REDUCER, & TIE-IN COMPLETE
WITH 4" E-FUSE COUPLING
1,346' EAST C/L MON GREEN RD
43' NORTH C/L N RIDGE RD
(FB #106/79, STA. 1346)

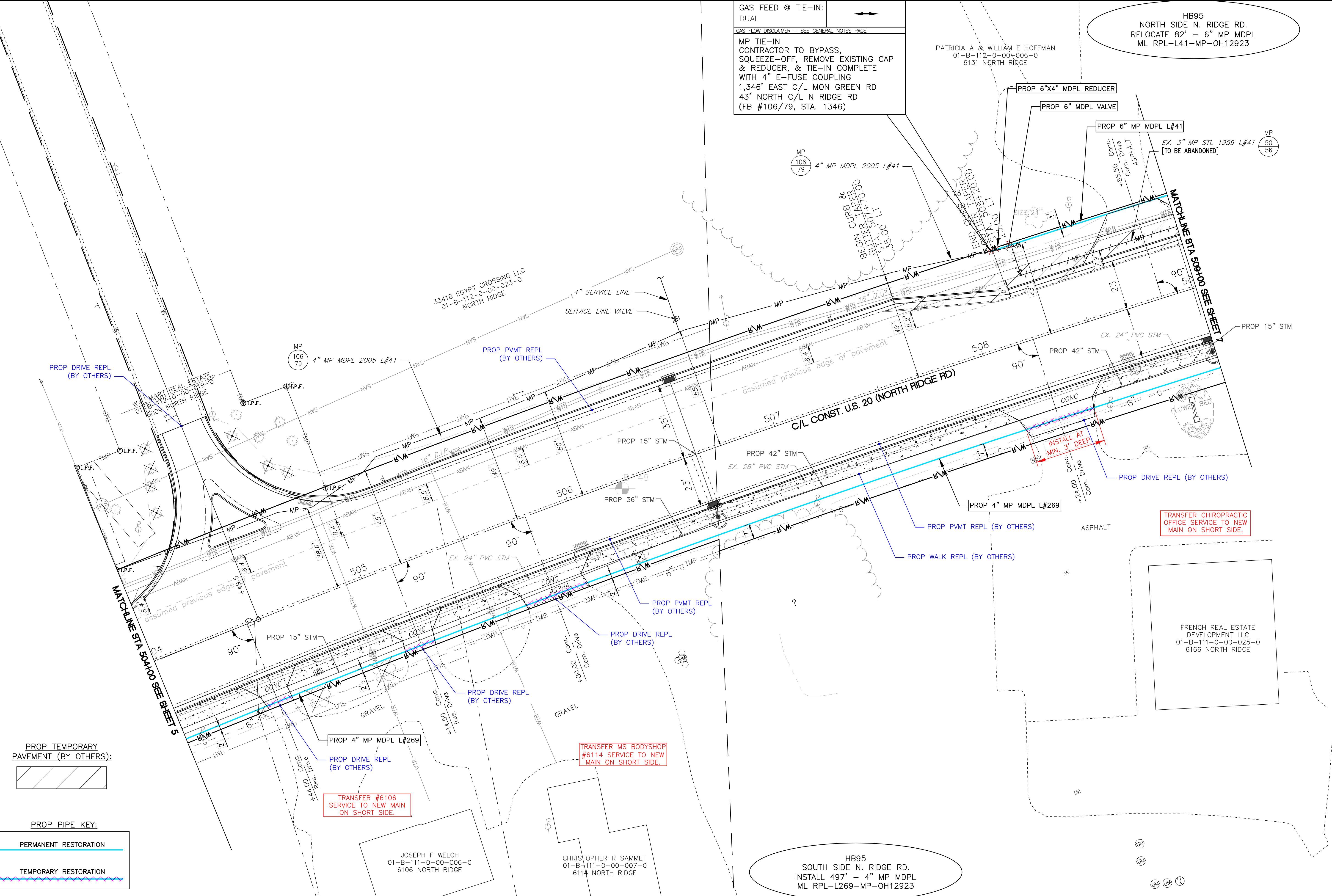
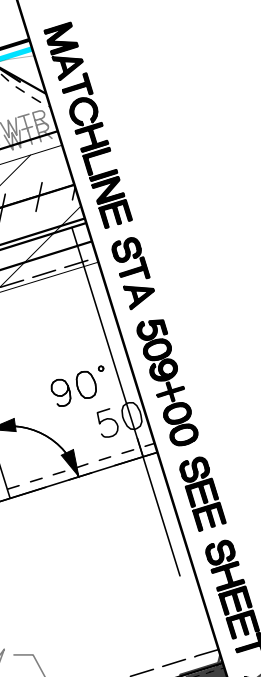
HB95
NORTH SIDE N. RIDGE RD.
RELOCATE 82' - 6" MP MDPL
ML RPL-L41-MP-OH12923

PATRICIA A & WILLIAM E HOFFMAN
01-B-112-0-00-006-0
6131 NORTH RIDGE

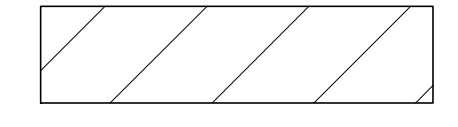
MP 50
56
EX. 3" MP STL 1959 L#41
[TO BE ABANDONED]

MP 106
79
4" MP MDPL 2005 L#41

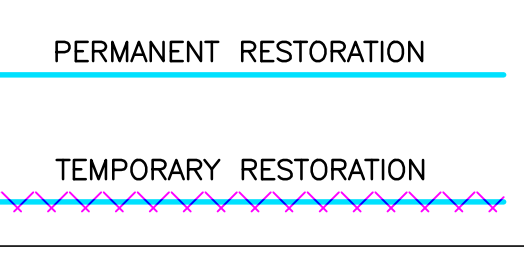
BEIGN CURB &
GUTTER 500.74
C/L 11.0055C
STA. 100.74
END



PROP TEMPORARY
PAVEMENT (BY OTHERS):



PROP PIPE KEY:



NORTH

DRAWING SCALE
0 20 40'

REV	DESCRIPTION	DATE	BY

Dominion Energy

ODOT LAK-20-24.99

PLAN SHEET


DATE: 2/13/2023
PROJECT ID #: P401262983

6
28

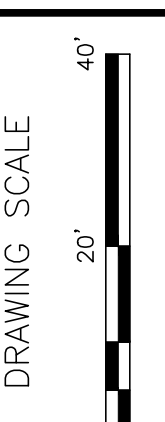
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CAUSE FOR PAUSE CRITICAL ITEMS

ITEM #	DESCRIPTION
7-1	EX. NORTHEAST OHIO NATURAL GAS CORP. CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.
7-2	CRITICAL DEPTH: INSTALL SERVICE LINE AT A DEPTH OF 3.5' TO BOTTOM OF PIPE TO BE OVER PROP. 42" STORM SEWER.




NORTH



DRAWING SCALE

REV	DESCRIPTION	DATE	BY



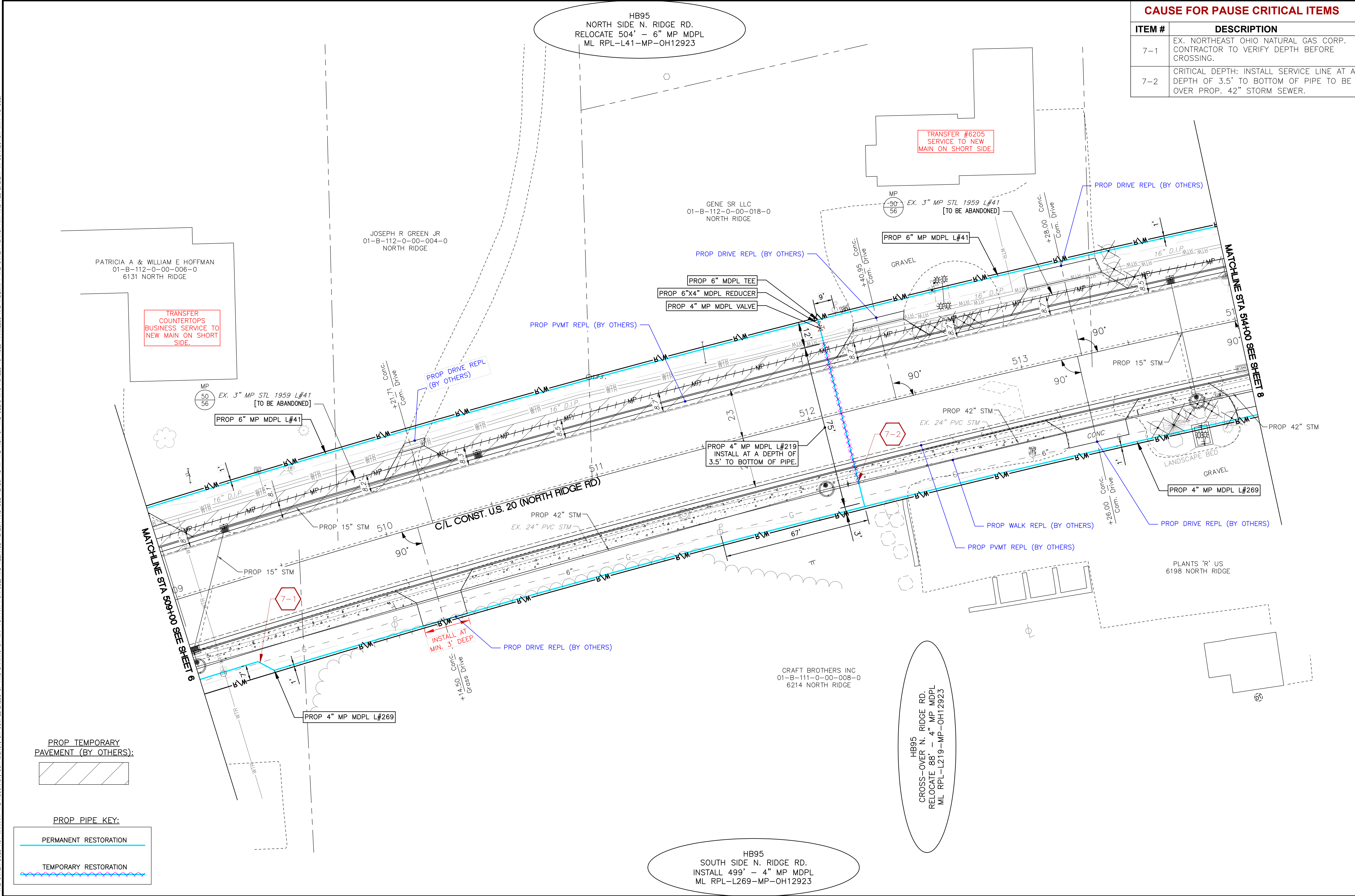
Dominion Energy

ODOT LAK-20-24.99

PLAN SHEET

DATE: 2/13/2023
PROJECT ID #: P401262983

7
28



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NORTH

DRAWING SCALE
0 20' 40'

REV	DESCRIPTION	DATE	BY

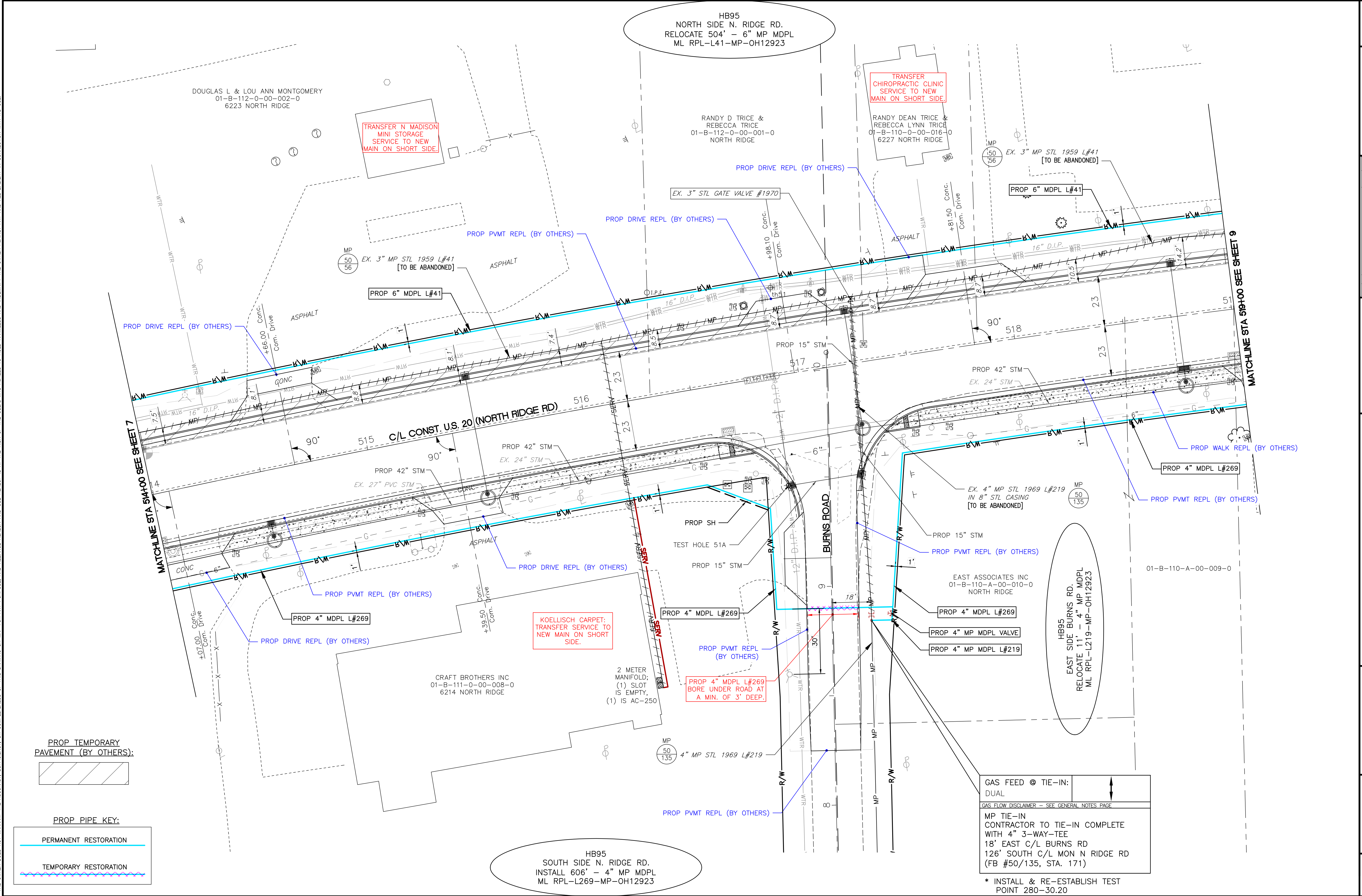
Dominion Energy

ODOT LAK-20-24.99

PLAN SHEET

DATE: 2/13/2023
PROJECT ID #: **P401262983**

8
28



PROP TEMPORARY PAVEMENT (BY OTHERS):

PROP PIPE KEY:

PERMANENT RESTORATION

TEMPORARY RESTORATION

GAS FEED @ TIE-IN:
DUAL

GAS FLOW DISCLAIMER - SEE GENERAL NOTES PAGE

MP TIE-IN
CONTRACTOR TO TIE-IN COMPLETE
WITH 4" 3-WAY-TEE
18' EAST C/L BURNS RD
126' SOUTH C/L MON N RIDGE RD
(FB #50/135, STA. 171)

* INSTALL & RE-ESTABLISH TEST POINT 280-30.20

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.

HB95
NORTH SIDE N. RIDGE RD.
RELOCATE 501' - 6" MP MDPL
ML RPL-L41-MP-OH12923

TRANSFER CLASSIC FORD SERVICE TO NEW MAIN ON SHORT SIDE.

TRANSFER CLASSIC CHEVROLET SERVICE TO NEW MAIN ON SHORT SIDE.

MADISON ROUTE 20 PROPERTIES LLC
01-B-110-0-00-013-0
6251 NORTH RIDGE

MADISON ROUTE 20 PROPERTIES LLC
01-B-110-0-00-011-0
6277 NORTH RIDGE

DR & MRS Z PROPERTIES LLC
0-B-110-A-00-008-0
6248 NORTH RIDGE

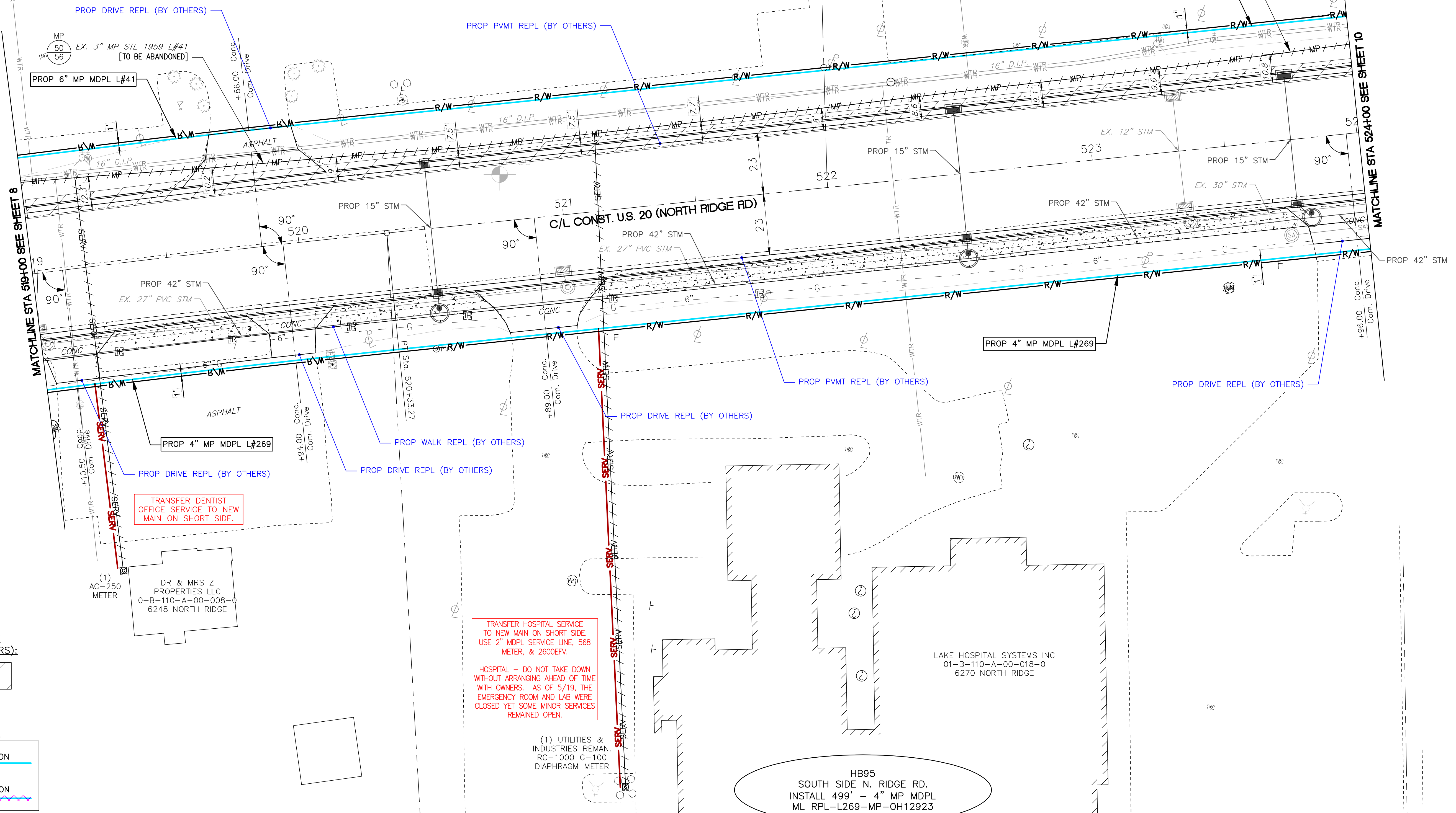
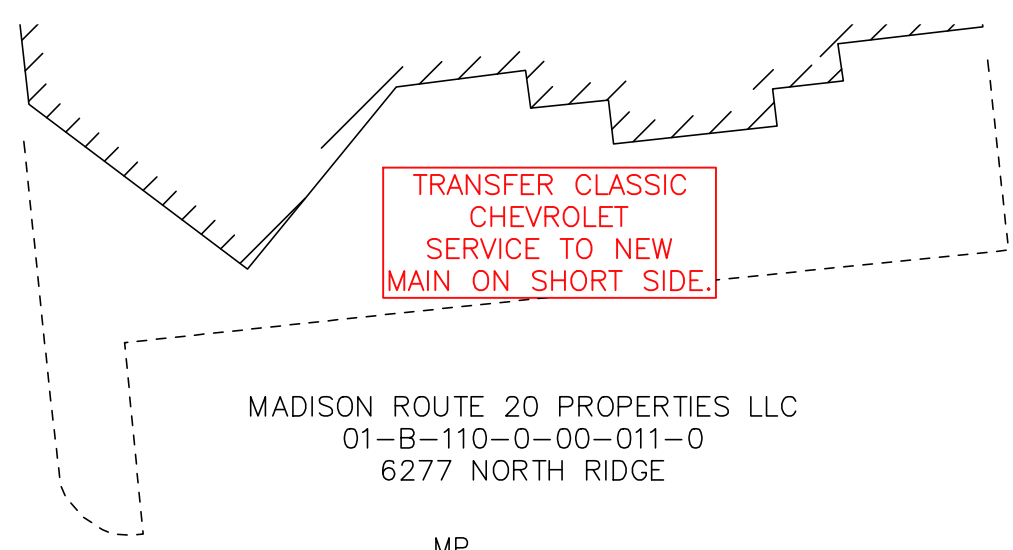
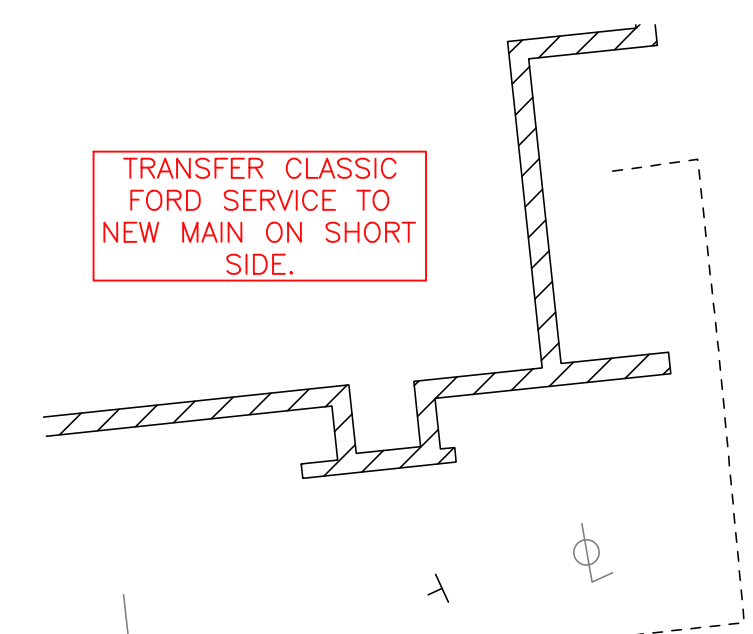
LAKE HOSPITAL SYSTEMS INC
01-B-110-A-00-018-0
6270 NORTH RIDGE

HB95
SOUTH SIDE N. RIDGE RD.
INSTALL 499' - 4" MP MDPL
ML RPL-L269-MP-OH12923

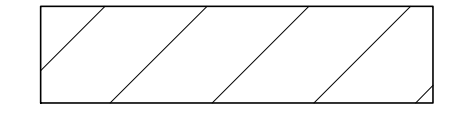
TRANSFER HOSPITAL SERVICE TO NEW MAIN ON SHORT SIDE. USE 2" MDPL SERVICE LINE, 568 METER, & 2600EFV.

HOSPITAL - DO NOT TAKE DOWN WITHOUT ARRANGING AHEAD OF TIME WITH OWNERS. AS OF 5/19, THE EMERGENCY ROOM AND LAB WERE CLOSED YET SOME MINOR SERVICES REMAINED OPEN.

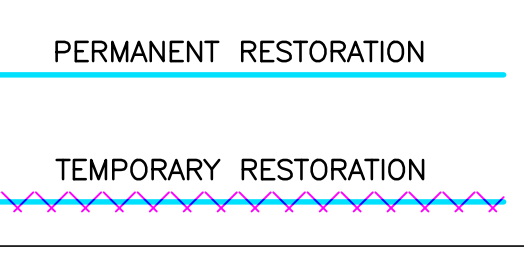
(1) UTILITIES & INDUSTRIES REMAN.
RC-1000 G-100 DIAPHRAGM METER



PROP TEMPORARY PAVEMENT (BY OTHERS):



PROP PIPE KEY:



NORTH

DRAWING SCALE
0 20 40'

REV	DESCRIPTION	DATE	BY

Dominion Energy

ODOT LAK-20-24.99

PLAN SHEET

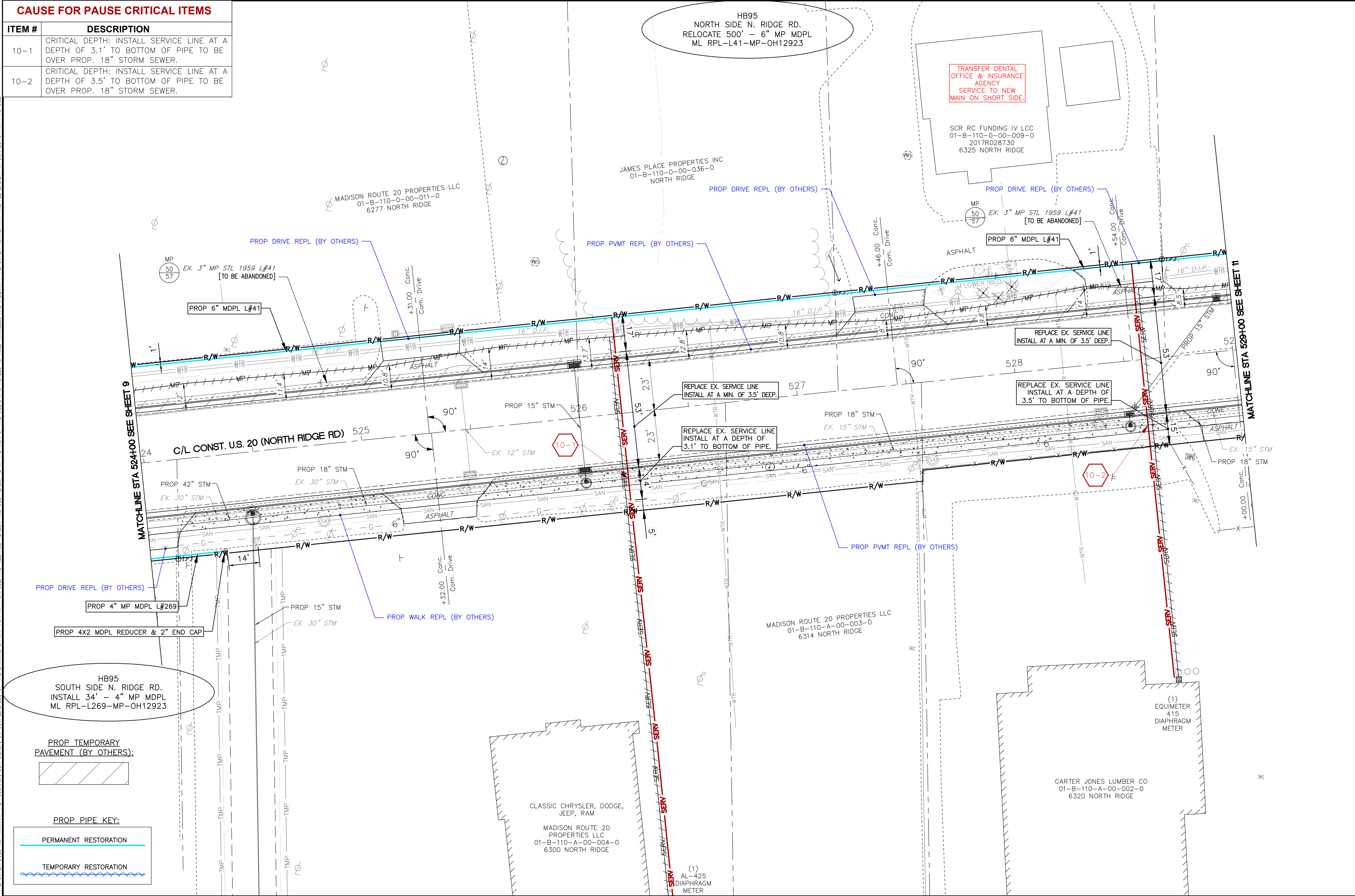
DATE: 2/13/2023
PROJECT ID #: P401262983

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28

CAUSE FOR PAUSE CRITICAL ITEMS

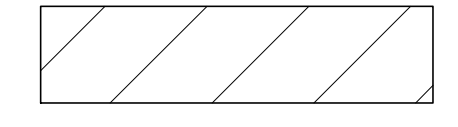
ITEM #	DESCRIPTION
10-1	CRITICAL DEPTH: INSTALL SERVICE LINE AT A DEPTH OF 3.1' TO BOTTOM OF PIPE TO BE OVER PROP. 18" STORM SEWER.
10-2	CRITICAL DEPTH: INSTALL SERVICE LINE AT A DEPTH OF 3.5' TO BOTTOM OF PIPE TO BE OVER PROP. 18" STORM SEWER.

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.

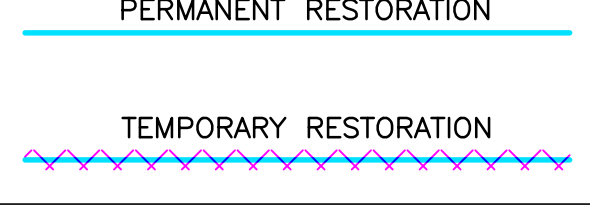


HB95
SOUTH SIDE N. RIDGE RD.
INSTALL 34' - 4" MP MDPL
ML RPL-L269-MP-OH12923

PROP TEMPORARY
PAVEMENT (BY OTHERS):



PROP PIPE KEY:



HB95
NORTH SIDE N. RIDGE RD.
RELOCATE 500' - 6" MP MDPL
ML RPL-L41-MP-OH12923

TRANSFER DENTAL
OFFICE & INSURANCE
AGENCY
SERVICE TO NEW
MAIN ON SHORT SIDE

SCR RC FUNDING IV LCC
01-B-110-0-00-009-0
2017R028730
6325 NORTH RIDGE

JAMES PLACE PROPERTIES INC
01-B-110-0-00-036-0
NORTH RIDGE

MADISON ROUTE 20 PROPERTIES LLC
01-B-110-0-00-011-0
6277 NORTH RIDGE

MADISON ROUTE 20 PROPERTIES LLC
01-B-110-A-00-003-0
6314 NORTH RIDGE

CLASSIC CHRYSLER, DODGE,
JEEP, RAM

MADISON ROUTE 20
PROPERTIES LLC
01-B-110-A-00-004-0
6300 NORTH RIDGE

CARTER JONES LUMBER CO
01-B-110-A-00-002-0
6320 NORTH RIDGE

NORTH

DRAWING SCALE
0 20 40'

REV	DESCRIPTION	DATE	BY

Dominion Energy

ODOT LAK-20-24.99

PLAN SHEET

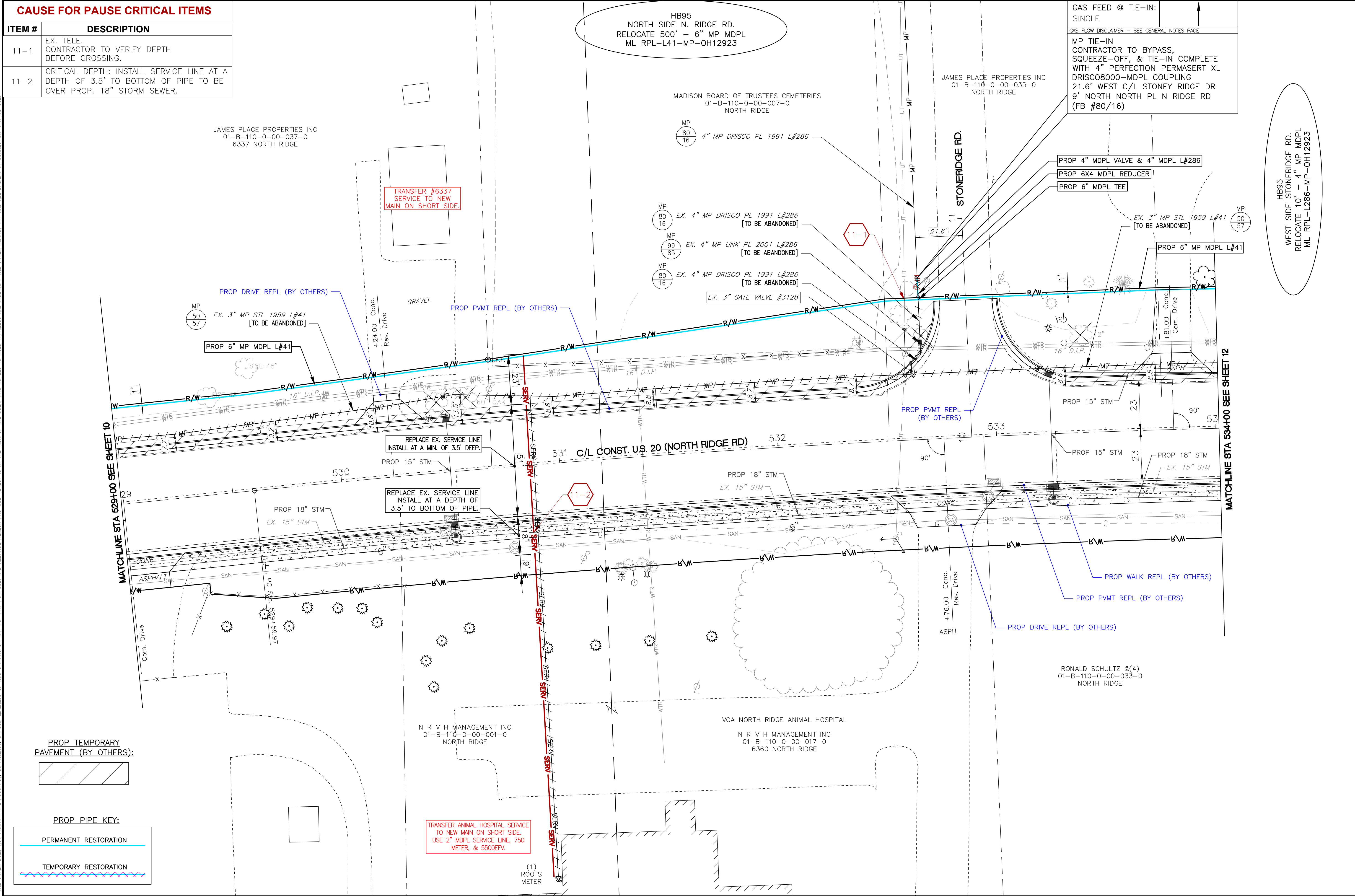
DATE: 2/13/2023
PROJECT ID #: P401262983

10
28

CAUSE FOR PAUSE CRITICAL ITEMS

ITEM #	DESCRIPTION
11-1	EX. TELE. CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.
11-2	CRITICAL DEPTH: INSTALL SERVICE LINE AT A DEPTH OF 3.5' TO BOTTOM OF PIPE TO BE OVER PROP. 18" STORM SEWER.

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.



PROP. TEMPORARY PAVEMENT (BY OTHERS):

PROP. PIPE KEY:

- PERMANENT RESTORATION
- TEMPORARY RESTORATION

TRANSFER ANIMAL HOSPITAL SERVICE TO NEW MAIN ON SHORT SIDE. USE 2" MDPL SERVICE LINE, 750 METER, & 5500EUV.

HB95 NORTH SIDE N. RIDGE RD. RELOCATE 500' - 6" MP MDPL ML RPL-L41-MP-OH12923

GAS FEED @ TIE-IN: SINGLE

GAS FLOW DISCLAIMER - SEE GENERAL NOTES PAGE

MP TIE-IN CONTRACTOR TO BYPASS, SQUEEZE-OFF, & TIE-IN COMPLETE WITH 4" PERFECTION PERMASERT XL DRISCO8000-MDPL COUPLING 21.6' WEST C/L STONEY RIDGE DR 9' NORTH NORTH PL N RIDGE RD (FB #80/16)

HB95 WEST SIDE STONERIDGE RD. RELOCATE 10' - 4" MP MDPL ML RPL-L286-MP-OH12923

NORTH

DRAWING SCALE

0 20 40'

REV	DESCRIPTION	DATE	BY

Dominion Energy

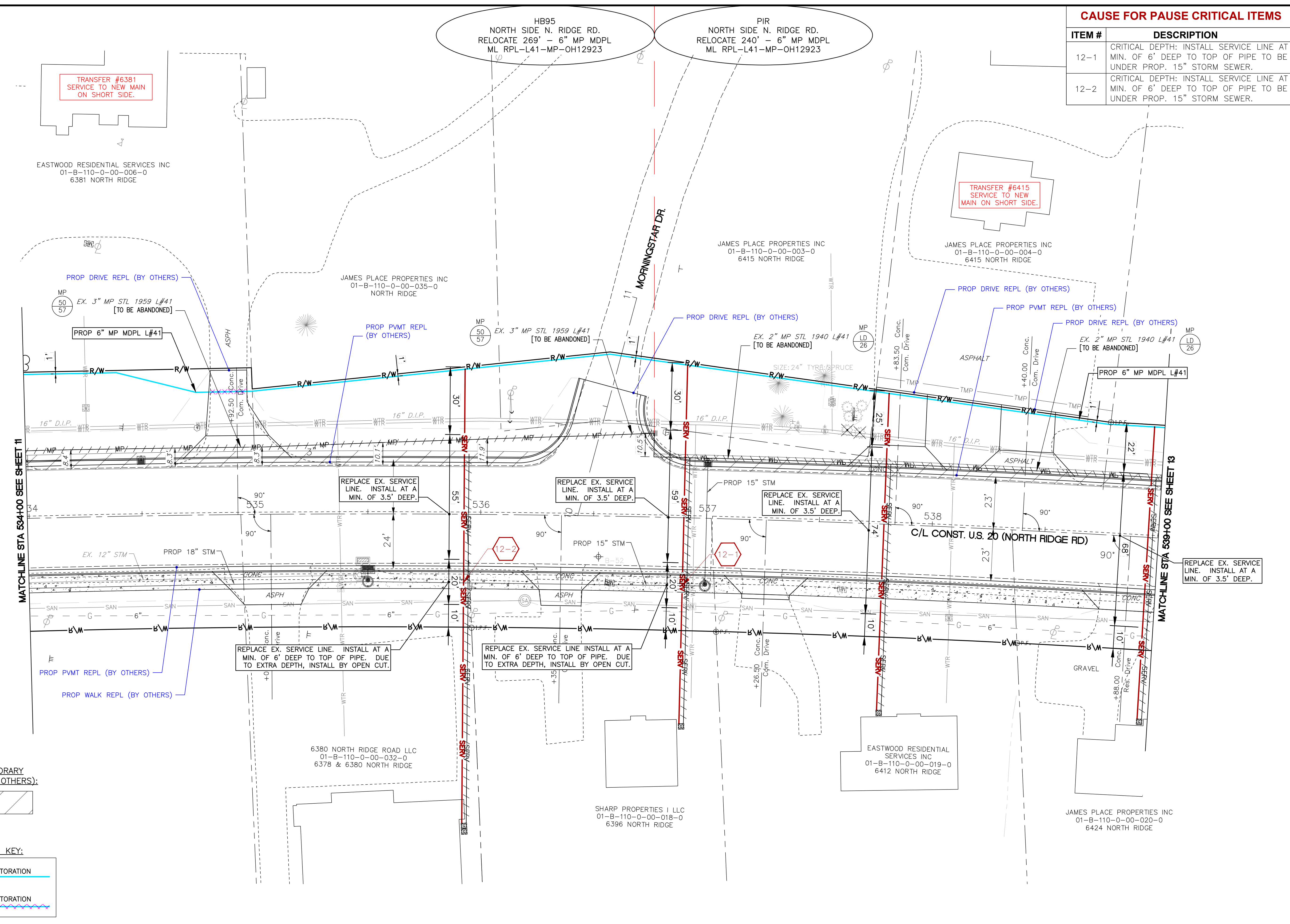
ODOT LAK-20-24.99

PLAN SHEET

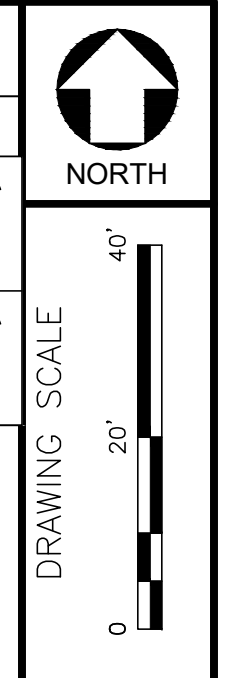
DATE: 2/13/2023
PROJECT ID #: P401262983

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28

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.



CAUSE FOR PAUSE CRITICAL ITEMS	
ITEM #	DESCRIPTION
12-1	CRITICAL DEPTH: INSTALL SERVICE LINE AT A MIN. OF 6' DEEP TO TOP OF PIPE TO BE UNDER PROP. 15" STORM SEWER.
12-2	CRITICAL DEPTH: INSTALL SERVICE LINE AT A MIN. OF 6' DEEP TO TOP OF PIPE TO BE UNDER PROP. 15" STORM SEWER.



REV	DESCRIPTION	DATE	BY

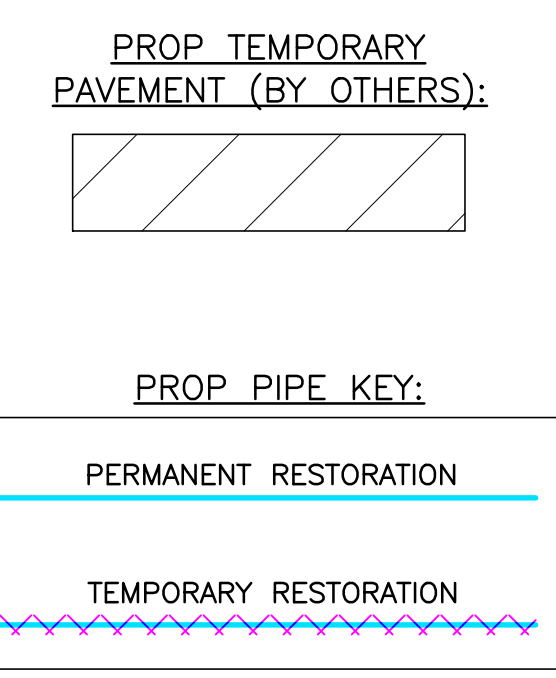


ODOT LAK-20-24.99

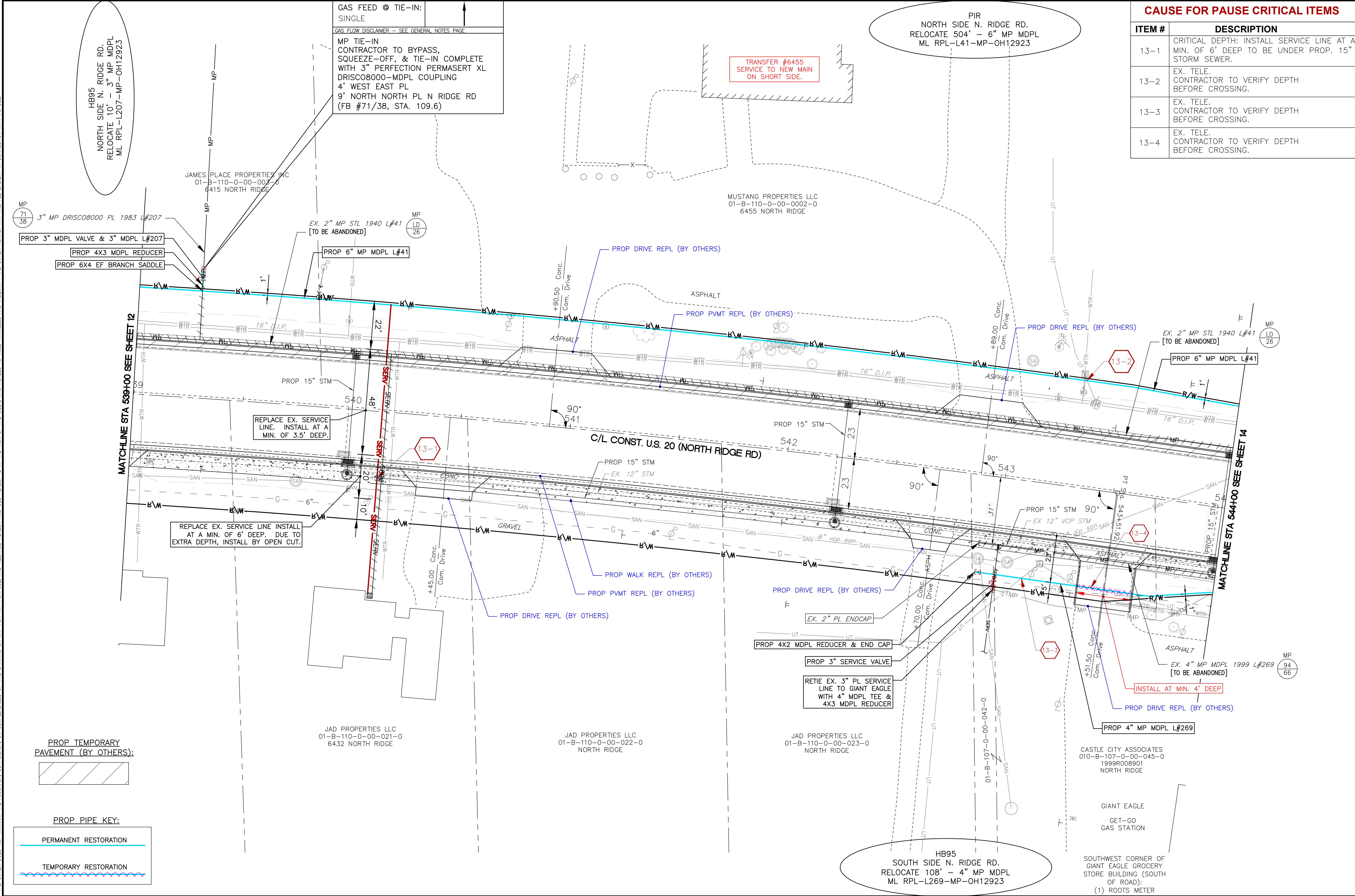
PLAN SHEET

DATE: 2/13/2023
PROJECT ID #: P401262983

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28



THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.



GAS FEED @ TIE-IN:
SINGLE

GAS FLOW DISCLAIMER - SEE GENERAL NOTES PAGE


MP TIE-IN
CONTRACTOR TO BYPASS,
SQUEEZE-OFF, & TIE-IN COMPLETE
WITH 3" PERFECTION PERMASERT XL
DRISCO8000-MDPL COUPLING
4' WEST EAST PL
9' NORTH NORTH PL N RIDGE RD
(FB #71/38, STA. 109.6)

PIR
NORTH SIDE N. RIDGE RD.
RELOCATE 504' - 6" MP MDPL
ML RPL-L41-MP-OH12923

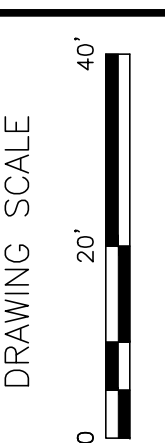
TRANSFER #6455
SERVICE TO NEW MAIN
ON SHORT SIDE.

CAUSE FOR PAUSE CRITICAL ITEMS

ITEM #	DESCRIPTION
13-1	CRITICAL DEPTH: INSTALL SERVICE LINE AT A MIN. OF 6' DEEP TO BE UNDER PROP. 15" STORM SEWER.
13-2	EX. TELE. CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.
13-3	EX. TELE. CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.
13-4	EX. TELE. CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.




NORTH



DRAWING SCALE

REV	DESCRIPTION	DATE	BY



Dominion Energy

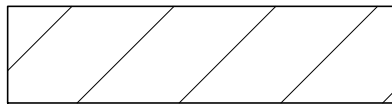
ODOT LAK-20-24.99

PLAN SHEET

DATE: 2/13/2023
PROJECT ID #: P401262983


13
28

PROP TEMPORARY PAVEMENT (BY OTHERS):




PROP PIPE KEY:

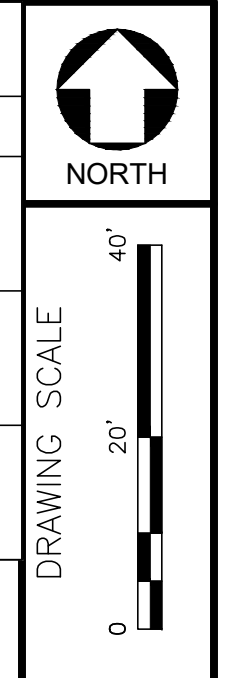
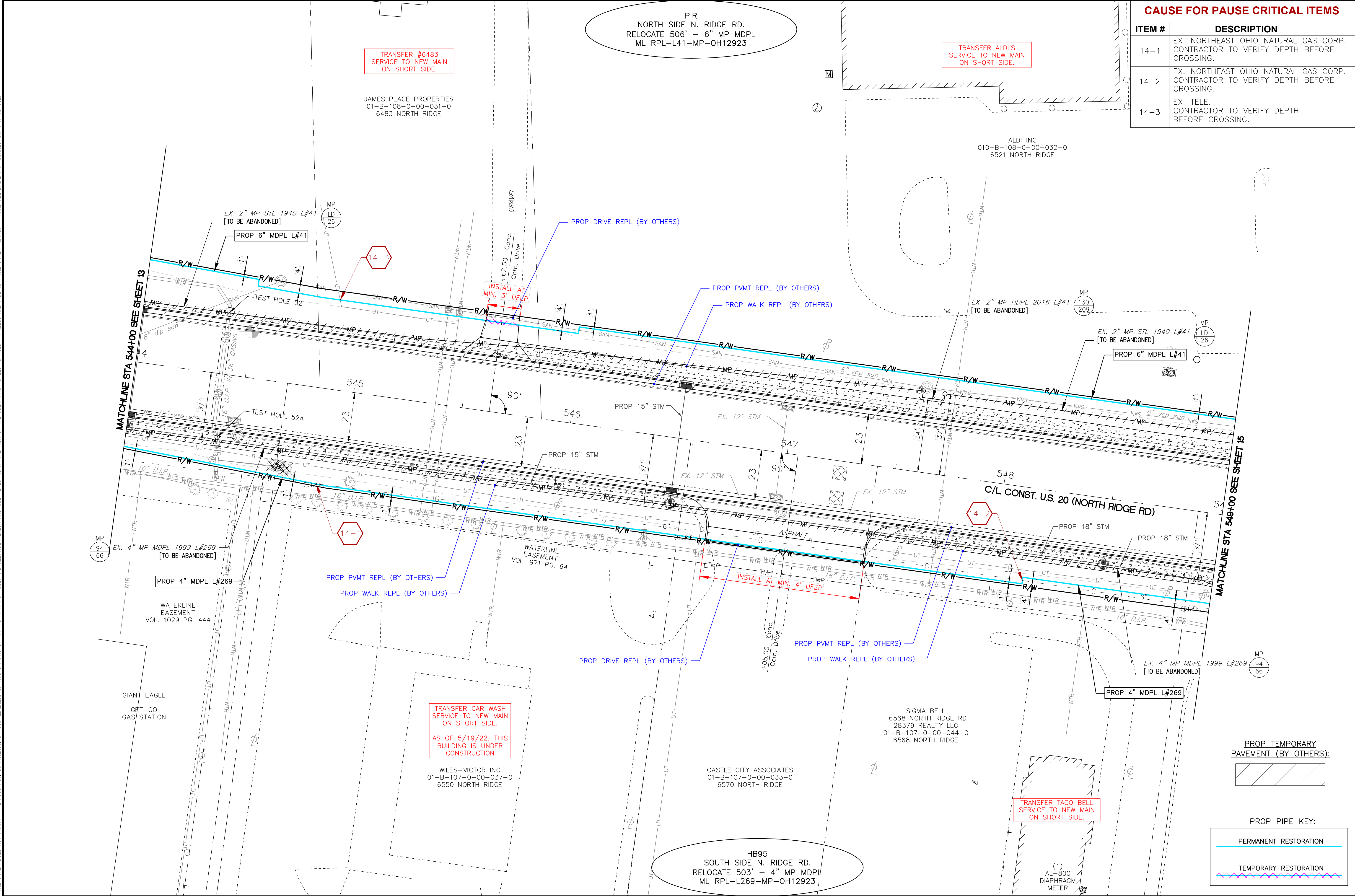
PERMANENT RESTORATION



TEMPORARY RESTORATION



THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.



REV	DESCRIPTION	DATE	BY



ODOT LAK-20-24.99

PLAN SHEET

DATE: 2/13/2023
PROJECT ID #: P401262983

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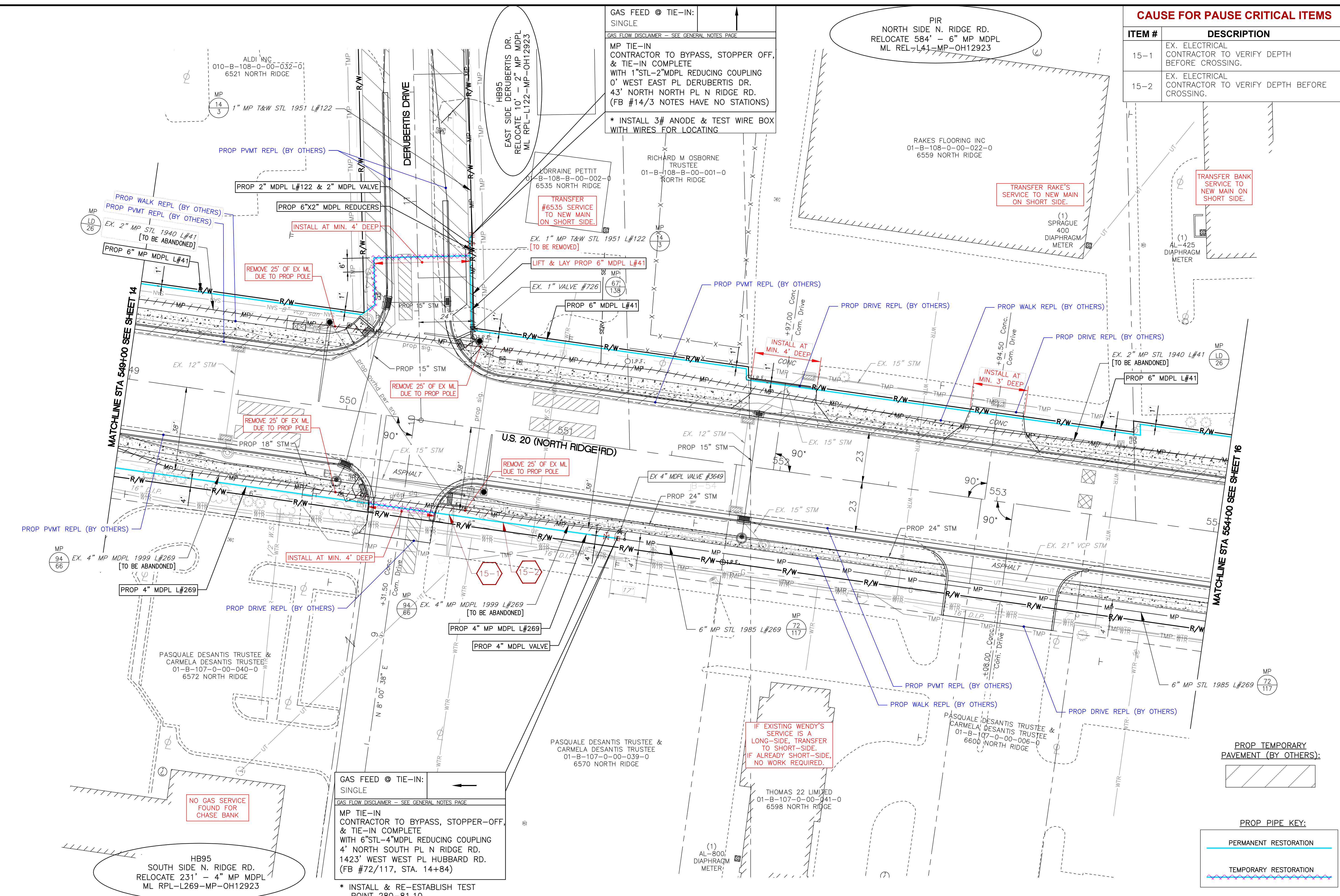
PROP. TEMPORARY PAVEMENT (BY OTHERS):

PROP. PIPE KEY:

PERMANENT RESTORATION


TEMPORARY RESTORATION

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.

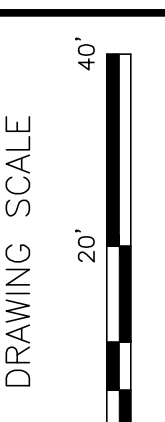


CAUSE FOR PAUSE CRITICAL ITEMS

ITEM #	DESCRIPTION
15-1	EX. ELECTRICAL CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.
15-2	EX. ELECTRICAL CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.




NORTH



DRAWING SCALE
0 20 40'

REV	DESCRIPTION	DATE	BY



Dominion Energy

ODOT LAK-20-24.99

PLAN SHEET

DATE: 2/13/2023
PROJECT ID #: P401262983

15
28

GAS FEED @ TIE-IN:
SINGLE

GAS FLOW DISCLAIMER - SEE GENERAL NOTES PAGE

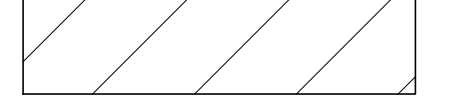
MP TIE-IN CONTRACTOR TO BYPASS, STOPPER-OFF, & TIE-IN COMPLETE WITH 6"STL-4"MDPL REDUCING COUPLING 4' NORTH SOUTH PL N RIDGE RD. 1423' WEST WEST PL HUBBARD RD. (FB #72/117, STA. 14+84)

* INSTALL & RE-ESTABLISH TEST POINT 280-81.10

NO GAS SERVICE FOUND FOR CHASE BANK

IF EXISTING WENDY'S SERVICE IS A LONG-SIDE, TRANSFER TO SHORT-SIDE. IF ALREADY SHORT-SIDE, NO WORK REQUIRED.

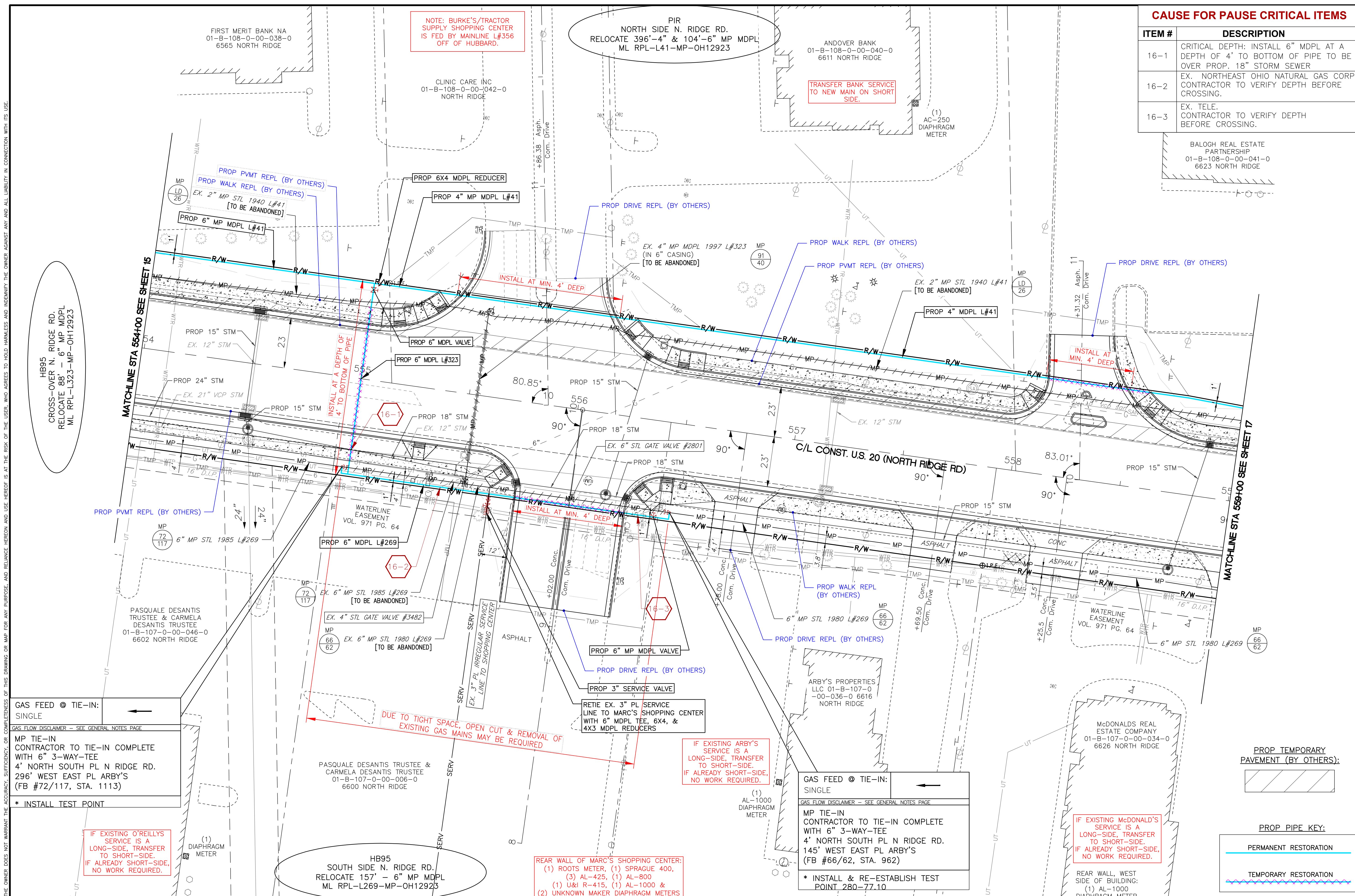
PROP TEMPORARY PAVEMENT (BY OTHERS):



PROP PIPE KEY:

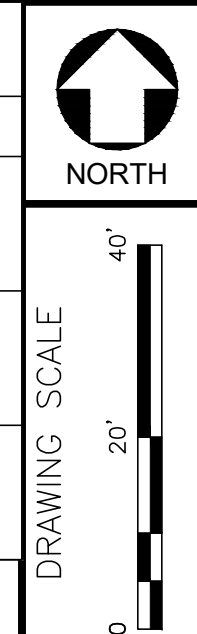
	PERMANENT RESTORATION
	TEMPORARY RESTORATION

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.



CAUSE FOR PAUSE CRITICAL ITEMS

ITEM #	DESCRIPTION
16-1	CRITICAL DEPTH: INSTALL 6" MDPL AT A DEPTH OF 4' TO BOTTOM OF PIPE TO BE OVER PROP. 18" STORM SEWER
16-2	EX. NORTHEAST OHIO NATURAL GAS CORP. CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.
16-3	EX. TELE. CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.



REV#	DESCRIPTION	DATE	BY



ODOT LAK-20-24.99

PLAN SHEET

DATE: 2/13/2023
PROJECT ID #: P401262983

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NOTE: BURKE'S/TRACTOR SUPPLY SHOPPING CENTER IS FED BY MAINLINE L#356 OFF OF HUBBARD.

PIR NORTH SIDE N. RIDGE RD. RELOCATE 396'-4" & 104'-6" MP MDPL ML RPL-L41-MP-OH12923

TRANSFER BANK SERVICE TO NEW MAIN ON SHORT SIDE.

HB95 CROSS-OVER N. RIDGE RD. RELOCATE 88' - 6" MP MDPL ML RPL-L323-MP-OH12923

MATCHLINE STA 554+00 SEE SHEET 15

MATCHLINE STA 559+00 SEE SHEET 17

GAS FEED @ TIE-IN: SINGLE
CONTRACTOR TO TIE-IN COMPLETE WITH 6" 3-WAY-TEE 4' NORTH SOUTH PL N RIDGE RD. 296' WEST EAST PL ARBY'S (FB #72/117, STA. 1113)
* INSTALL TEST POINT

GAS FEED @ TIE-IN: SINGLE
CONTRACTOR TO TIE-IN COMPLETE WITH 6" 3-WAY-TEE 4' NORTH SOUTH PL N RIDGE RD. 145' WEST EAST PL ARBY'S (FB #66/62, STA. 962)
* INSTALL & RE-ESTABLISH TEST POINT 280-77.10

IF EXISTING O'REILLYS SERVICE IS A LONG-SIDE, TRANSFER TO SHORT-SIDE. IF ALREADY SHORT-SIDE, NO WORK REQUIRED.

IF EXISTING ARBY'S SERVICE IS A LONG-SIDE, TRANSFER TO SHORT-SIDE. IF ALREADY SHORT-SIDE, NO WORK REQUIRED.

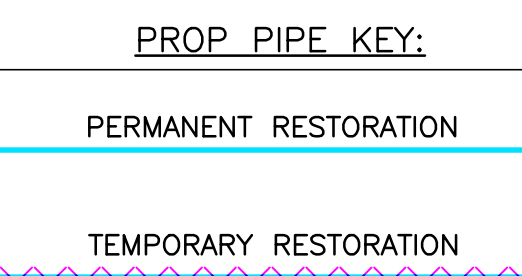
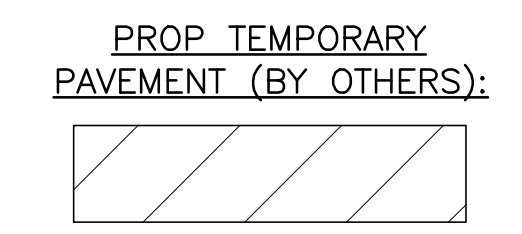
IF EXISTING McDONALD'S SERVICE IS A LONG-SIDE, TRANSFER TO SHORT-SIDE. IF ALREADY SHORT-SIDE, NO WORK REQUIRED.

DUE TO TIGHT SPACE, OPEN CUT & REMOVAL OF EXISTING GAS MAINS MAY BE REQUIRED

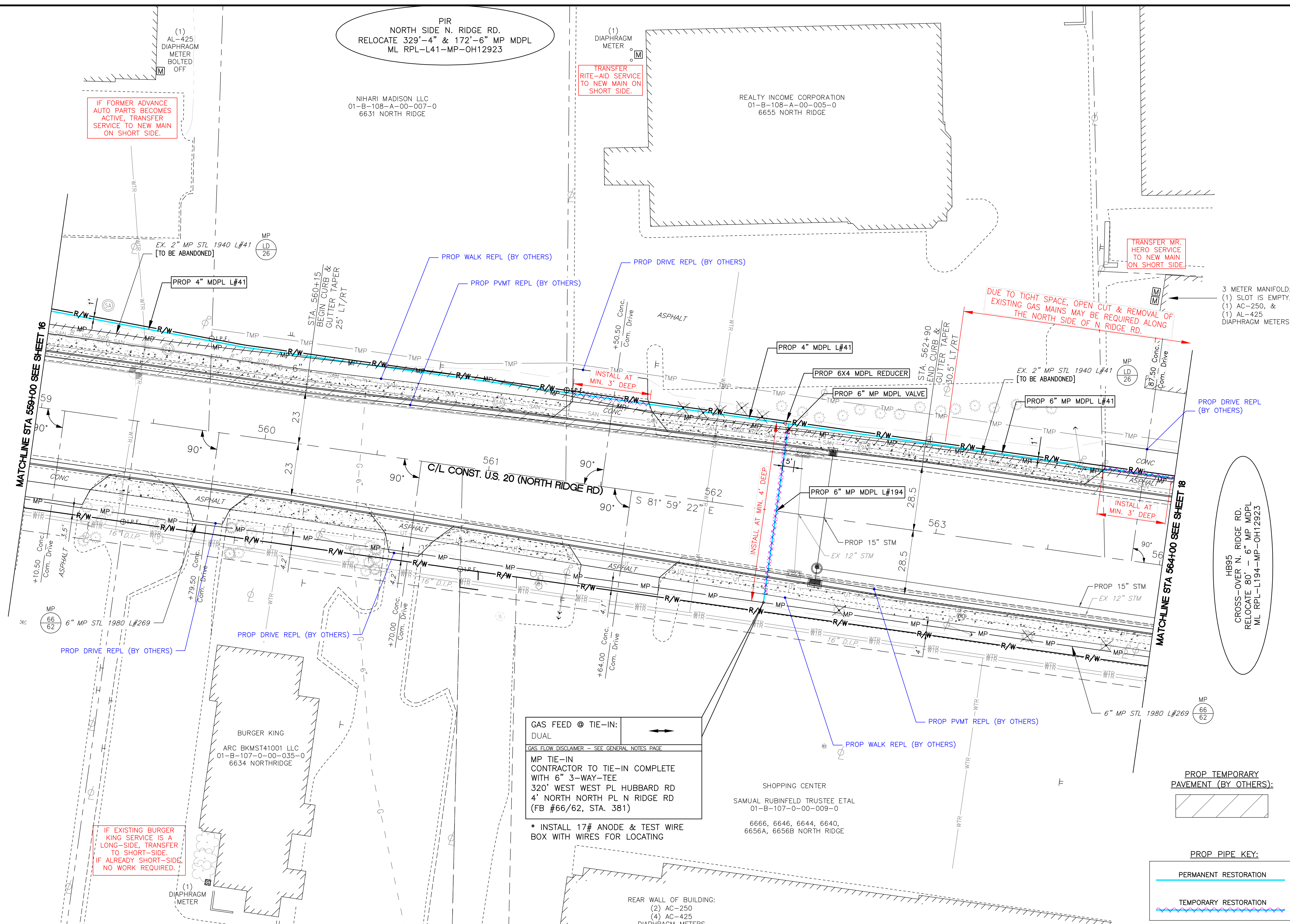
REAR WALL OF MARC'S SHOPPING CENTER: (1) ROOTS METER, (1) SPRAGUE 400, (3) AL-425, (1) AL-800 (1) U&R-415, (1) AL-1000 & (2) UNKNOWN MAKER DIAPHRAGM METERS

PASQUALE DESANTIS TRUSTEE & CARMELA DESANTIS TRUSTEE 01-B-107-0-00-006-0 6600 NORTH RIDGE

HB95 SOUTH SIDE N. RIDGE RD. RELOCATE 157' - 6" MP MDPL ML RPL-L269-MP-OH12923



THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.



IF FORMER ADVANCE AUTO PARTS BECOMES ACTIVE, TRANSFER SERVICE TO NEW MAIN ON SHORT SIDE.

PIR
NORTH SIDE N. RIDGE RD.
RELOCATE 329'-4" & 172'-6" MP MDPL
ML RPL-L41-MP-OH12923

TRANSFER RITE-AID SERVICE TO NEW MAIN ON SHORT SIDE.

TRANSFER MR. HERO SERVICE TO NEW MAIN ON SHORT SIDE.

DUE TO TIGHT SPACE, OPEN CUT & REMOVAL OF EXISTING GAS MAINS MAY BE REQUIRED ALONG THE NORTH SIDE OF N RIDGE RD.

3 METER MANIFOLD;
(1) SLOT IS EMPTY,
(1) AC-250, &
(1) AL-425
DIAPHRAGM METERS

IF EXISTING BURGER KING SERVICE IS A LONG-SIDE, TRANSFER TO SHORT-SIDE. IF ALREADY SHORT-SIDE, NO WORK REQUIRED.

GAS FEED @ TIE-IN:
DUAL

GAS FLOW DISCLAIMER - SEE GENERAL NOTES PAGE

MP TIE-IN
CONTRACTOR TO TIE-IN COMPLETE WITH 6" 3-WAY-TEE
320' WEST WEST PL HUBBARD RD
4' NORTH NORTH PL N RIDGE RD
(FB #66/62, STA. 381)

* INSTALL 17# ANODE & TEST WIRE BOX WITH WIRES FOR LOCATING

SHOPPING CENTER
SAMUAL RUBINFELD TRUSTEE ETAL
01-B-107-0-00-009-0
6666, 6646, 6644, 6640,
6656A, 6656B NORTH RIDGE

PROP TEMPORARY PAVEMENT (BY OTHERS):

PROP PIPE KEY:
PERMANENT RESTORATION
TEMPORARY RESTORATION

North arrow and scale bar (0 to 40').

REV	DESCRIPTION	DATE	BY

Dominion Energy

ODOT LAK-20-24.99

PLAN SHEET

DATE: 2/13/2023
PROJECT ID #: P401262983

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THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.

GAS FEED @ TIE-IN:
DUAL

GAS FLOW DISCLAIMER - SEE GENERAL NOTES PAGE

MP TIE-IN
CONTRACTOR TO TIE-IN COMPLETE
WITH 6" SPHERICAL 3-WAY-TEE
7.3' EAST WEST PL HUBBARD RD
180' NORTH NORTH C/L MON N RIDGE RD
(FB #12/41, STA. 62+65)

* INSTALL 17# ANODE & TEST WIRE
BOX WITH WIRES FOR LOCATING

M.P. ABANDONMENT
WEST SIDE HUBBARD RD.
ABANDON 148' - 2" MP MDPL
ML RPL-L37-MP-OH12923

HB95
WEST SIDE HUBBARD RD.
RELOCATE 165' - 6" MP MDPL
ML RPL-L194-MP-OH12923

PIR
NORTH SIDE N. RIDGE RD.
RELOCATE 84'-6" MP MDPL
ML RPL-L41-MP-OH12923

PIR
EAST SIDE HUBBARD RD.
RELOCATE 157' - 4" MP MDPL
ML RPL-L36-MP-OH12923

HB95
NORTH SIDE N. RIDGE RD.
RELOCATE 115'-4" MP MDPL
ML RPL-L41-MP-OH12923

PROP TEMPORARY
PAVEMENT (BY OTHERS):



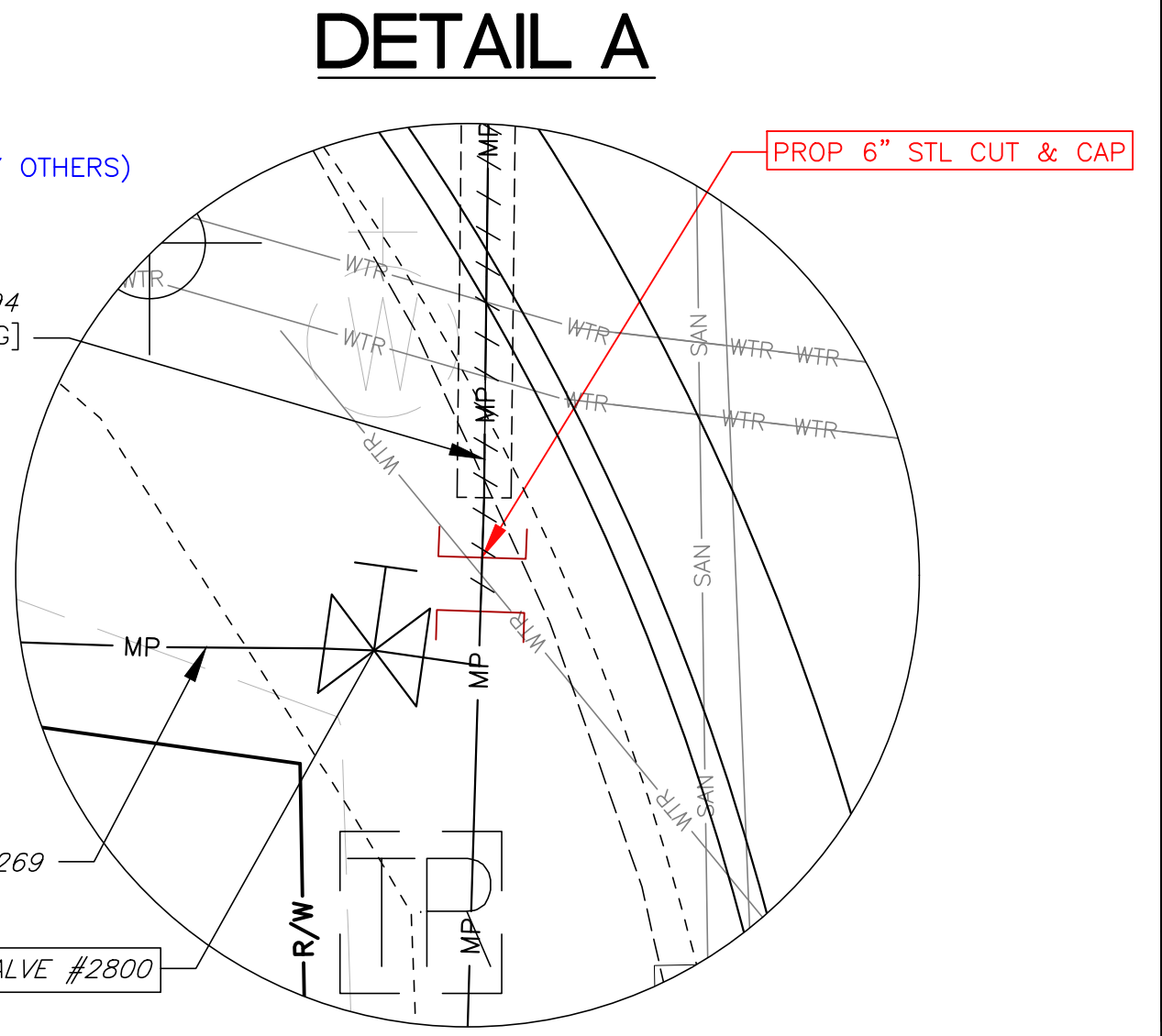
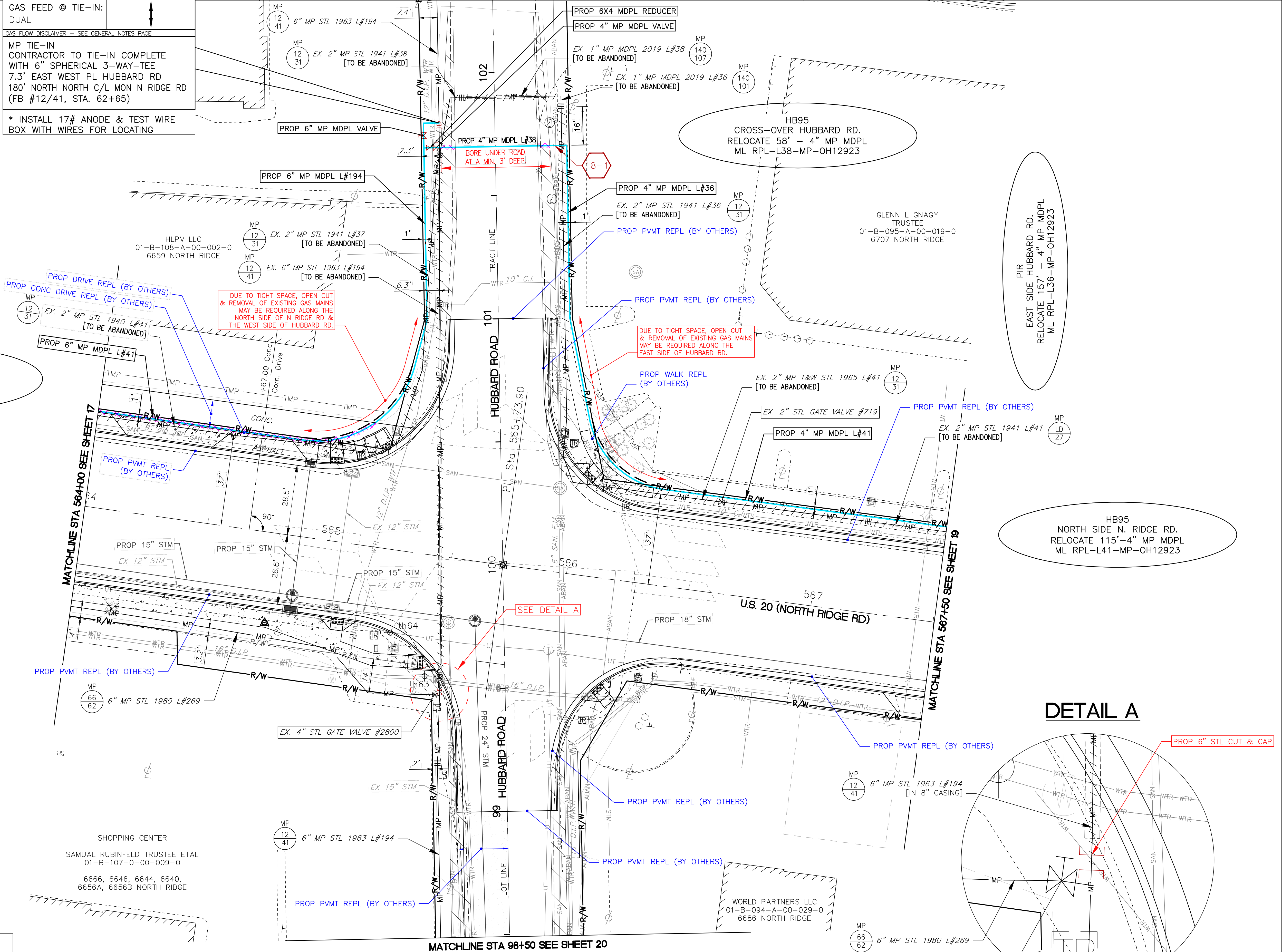
PROP PIPE KEY:

PERMANENT RESTORATION

TEMPORARY RESTORATION

CAUSE FOR PAUSE CRITICAL ITEMS

ITEM #	DESCRIPTION
18-1	EX. 6" SAN. FORCE MAIN. CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.



Dominion Energy

ODOT LAK-20-24.99

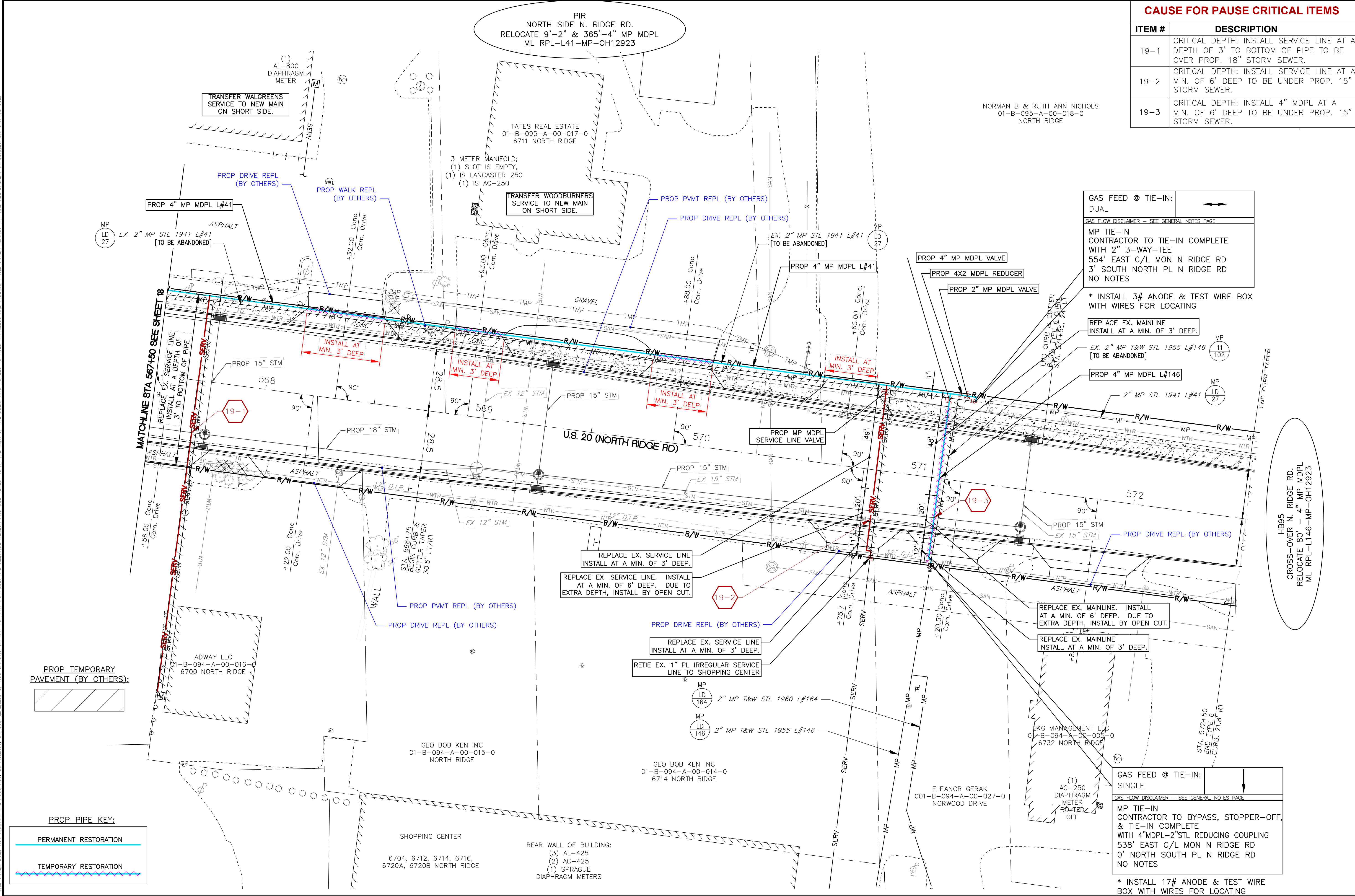
PLAN SHEET

DATE: 2/13/2023
PROJECT ID #: P401262983

18
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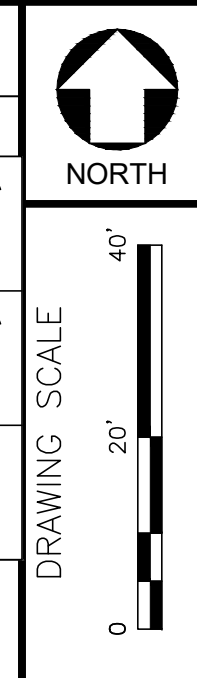
DRAWING SCALE: 40'

THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.



CAUSE FOR PAUSE CRITICAL ITEMS

ITEM #	DESCRIPTION
19-1	CRITICAL DEPTH: INSTALL SERVICE LINE AT A DEPTH OF 3' TO BOTTOM OF PIPE TO BE OVER PROP. 18" STORM SEWER.
19-2	CRITICAL DEPTH: INSTALL SERVICE LINE AT A MIN. OF 6' DEEP TO BE UNDER PROP. 15" STORM SEWER.
19-3	CRITICAL DEPTH: INSTALL 4" MDPL AT A MIN. OF 6' DEEP TO BE UNDER PROP. 15" STORM SEWER.



REV#	DATE	DESCRIPTION



ODOT LAK-20-24.99

PLAN SHEET

DATE: 2/13/2023
PROJECT ID #: P401262983

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GAS FEED @ TIE-IN:
DUAL

GAS FLOW DISCLAIMER - SEE GENERAL NOTES PAGE

MP TIE-IN
CONTRACTOR TO TIE-IN COMPLETE
WITH 2" 3-WAY-TEE
554' EAST C/L MON N RIDGE RD
3' SOUTH NORTH PL N RIDGE RD
NO NOTES

* INSTALL 3# ANODE & TEST WIRE BOX
WITH WIRES FOR LOCATING

REPLACE EX. MAINLINE
INSTALL AT A MIN. OF 3' DEEP.

EX. 2" MP T&W STL 1955 L#146
[TO BE ABANDONED]

PROP 4" MP MDPL L#146

REPLACE EX. MAINLINE. INSTALL
AT A MIN. OF 6' DEEP. DUE TO
EXTRA DEPTH, INSTALL BY OPEN CUT.

REPLACE EX. MAINLINE
INSTALL AT A MIN. OF 3' DEEP.

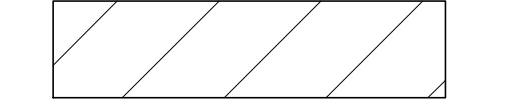
GAS FEED @ TIE-IN:
SINGLE

GAS FLOW DISCLAIMER - SEE GENERAL NOTES PAGE

MP TIE-IN
CONTRACTOR TO BYPASS, STOPPER-OFF,
& TIE-IN COMPLETE
WITH 4" MDPL-2" STL REDUCING COUPLING
538' EAST C/L MON N RIDGE RD
0' NORTH SOUTH PL N RIDGE RD
NO NOTES

* INSTALL 17# ANODE & TEST WIRE
BOX WITH WIRES FOR LOCATING

PROP TEMPORARY
PAVEMENT (BY OTHERS):



PROP PIPE KEY:

PERMANENT RESTORATION

TEMPORARY RESTORATION

CAUSE FOR PAUSE CRITICAL ITEMS

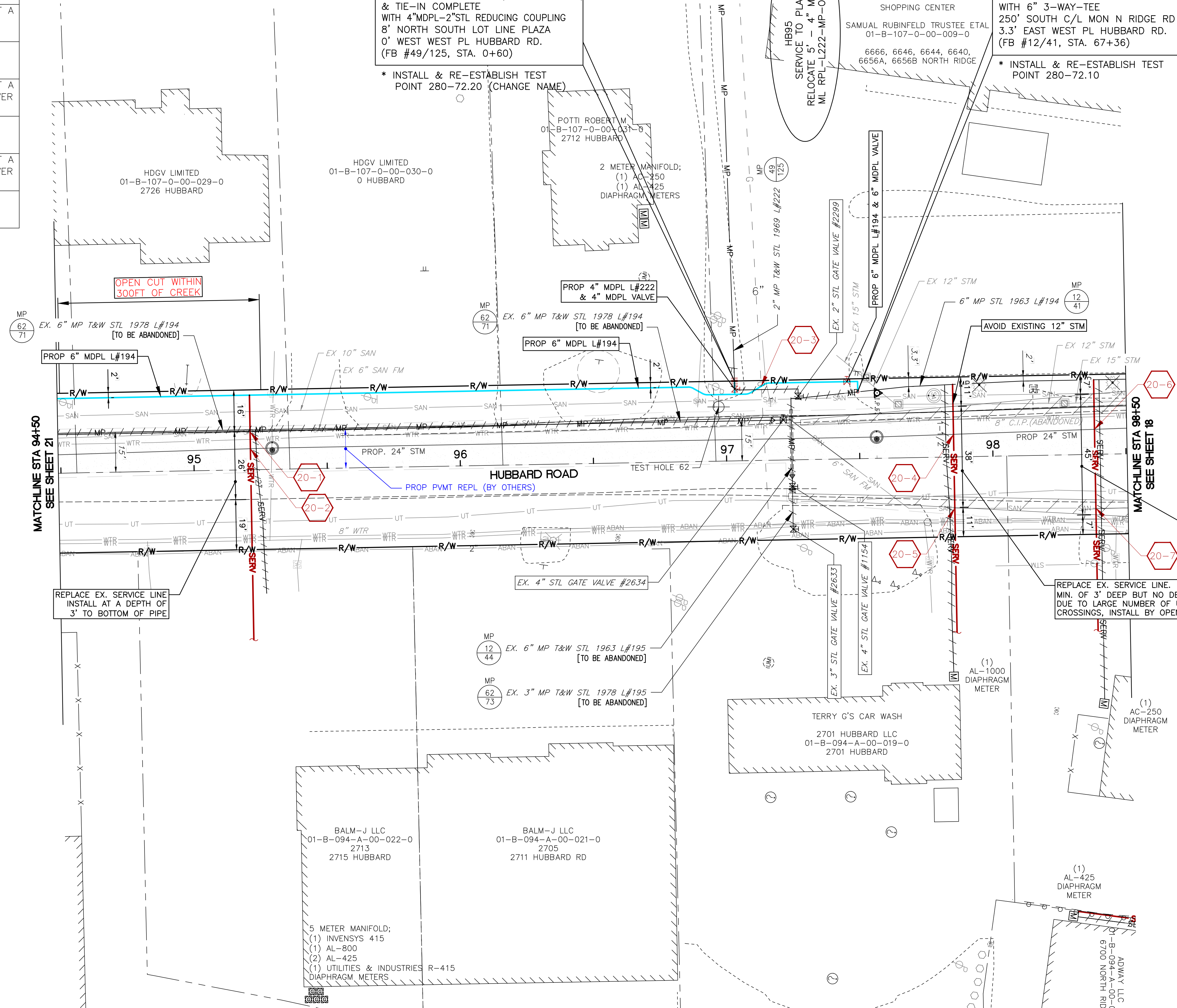
ITEM #	DESCRIPTION
20-1	6" SAN FORCE MAIN. CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.
20-2	CRITICAL DEPTH: INSTALL SERVICE LINE AT A DEPTH OF 3' TO BOTTOM OF PIPE TO BE OVER PROP. 24" STORM SEWER.
20-3	EX. 6" NORTHEAST OHIO NATURAL GAS CORP. CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.
20-4	CRITICAL DEPTH: INSTALL SERVICE LINE AT A DEPTH OF BETWEEN 3' AND 6' TO BE OVER PROP. 24" STORM SEWER.
20-5	6" SAN FORCE MAIN. CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.
20-6	CRITICAL DEPTH: INSTALL SERVICE LINE AT A DEPTH OF BETWEEN 3' AND 7' TO BE OVER PROP. 24" STORM SEWER.
20-7	6" SAN FORCE MAIN. CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.

HB95
WEST SIDE HUBBARD RD.
RELOCATE 305' - 6" MP MDPL
ML RPL-L194-MP-OH12923

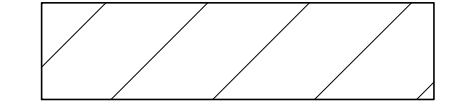
GAS FEED @ TIE-IN:
SINGLE
GAS FLOW DISCLAIMER - SEE GENERAL NOTES PAGE
MP TIE-IN
CONTRACTOR TO BYPASS, STOPPER-OFF,
& TIE-IN COMPLETE
WITH 4"MDPL-2"STL REDUCING COUPLING
8' NORTH SOUTH LOT LINE PLAZA
0' WEST WEST PL HUBBARD RD.
(FB #49/125, STA. 0+60)
* INSTALL & RE-ESTABLISH TEST
POINT 280-72.20 (CHANGE NAME)

REAR WALL OF BUILDING:
(2) AC-250
(4) AC-425
DIAPHRAGM METERS

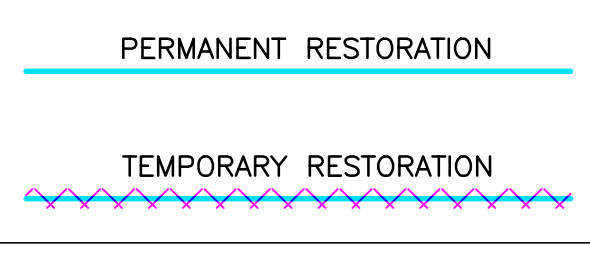
GAS FEED @ TIE-IN:
DUAL
GAS FLOW DISCLAIMER - SEE GENERAL NOTES PAGE
MP TIE-IN
CONTRACTOR TO TIE-IN COMPLETE
WITH 6" 3-WAY-TEE
250' SOUTH C/L MON N RIDGE RD
3.3' EAST WEST PL HUBBARD RD.
(FB #12/41, STA. 67+36)
* INSTALL & RE-ESTABLISH TEST
POINT 280-72.10



PROP TEMPORARY
PAVEMENT (BY OTHERS):



PROP PIPE KEY:



NORTH

DRAWING SCALE
0 20 40'

REV	DESCRIPTION	DATE	BY

Dominion Energy

ODOT LAK-20-24.99

PLAN SHEET

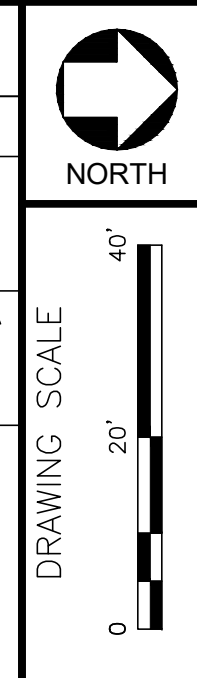
DATE: 2/13/2023
PROJECT ID #: P401262983

20
28

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CAUSE FOR PAUSE CRITICAL ITEMS

ITEM #	DESCRIPTION
21-1	6" SAN FORCE MAIN. CONTRACTOR TO VERIFY DEPTH BEFORE CROSSING.
21-2	CRITICAL DEPTH: INSTALL SERVICE LINE AT A DEPTH OF 3' TO BOTTOM OF PIPE TO BE OVER PROP. 24" STORM SEWER.



REV	DESCRIPTION	DATE	BY

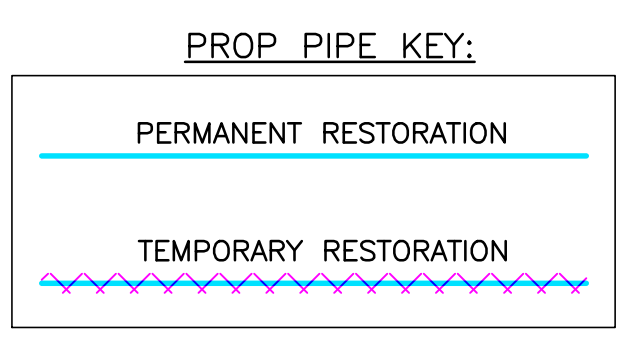
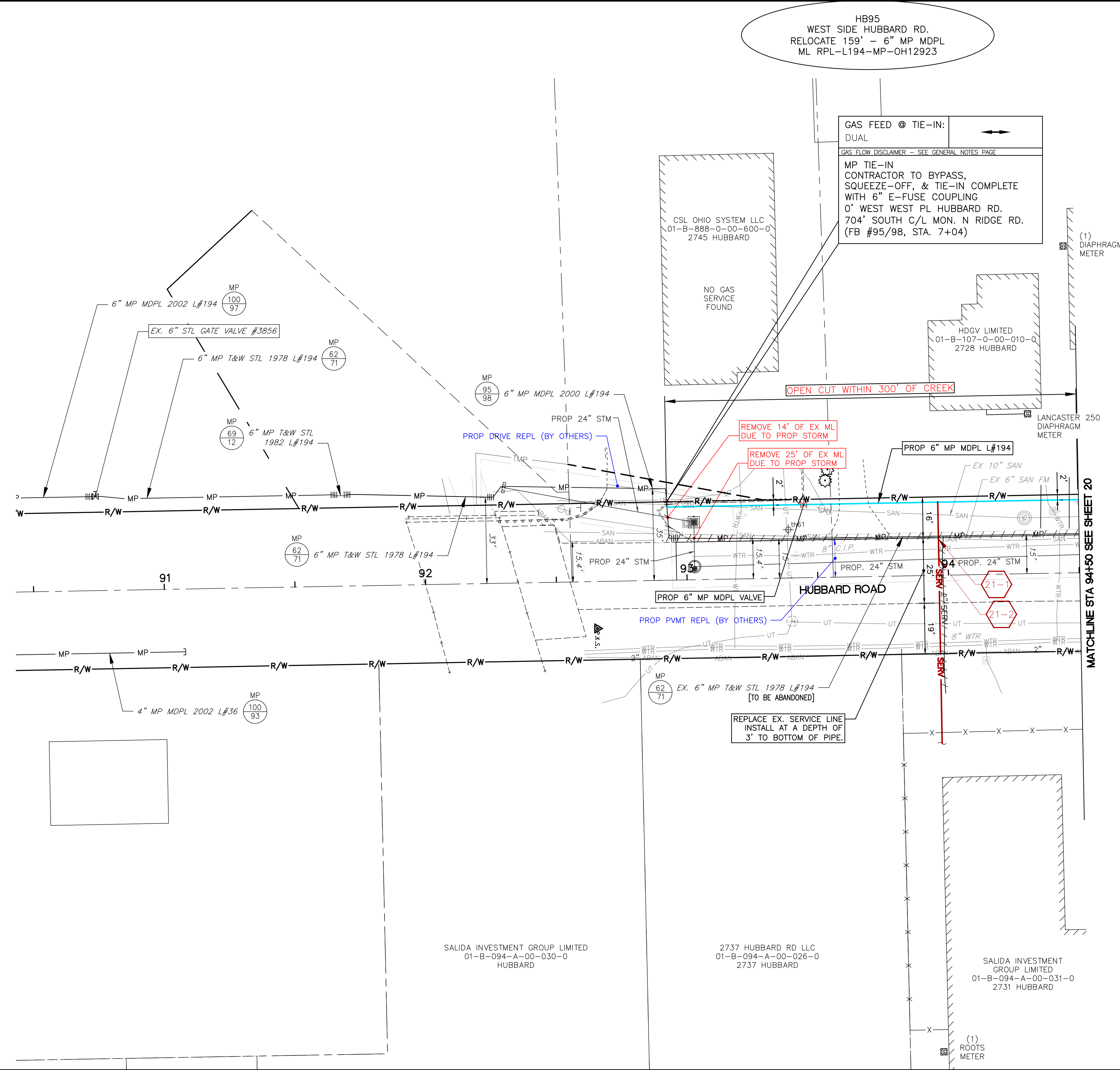


ODOT LAK-20-24.99

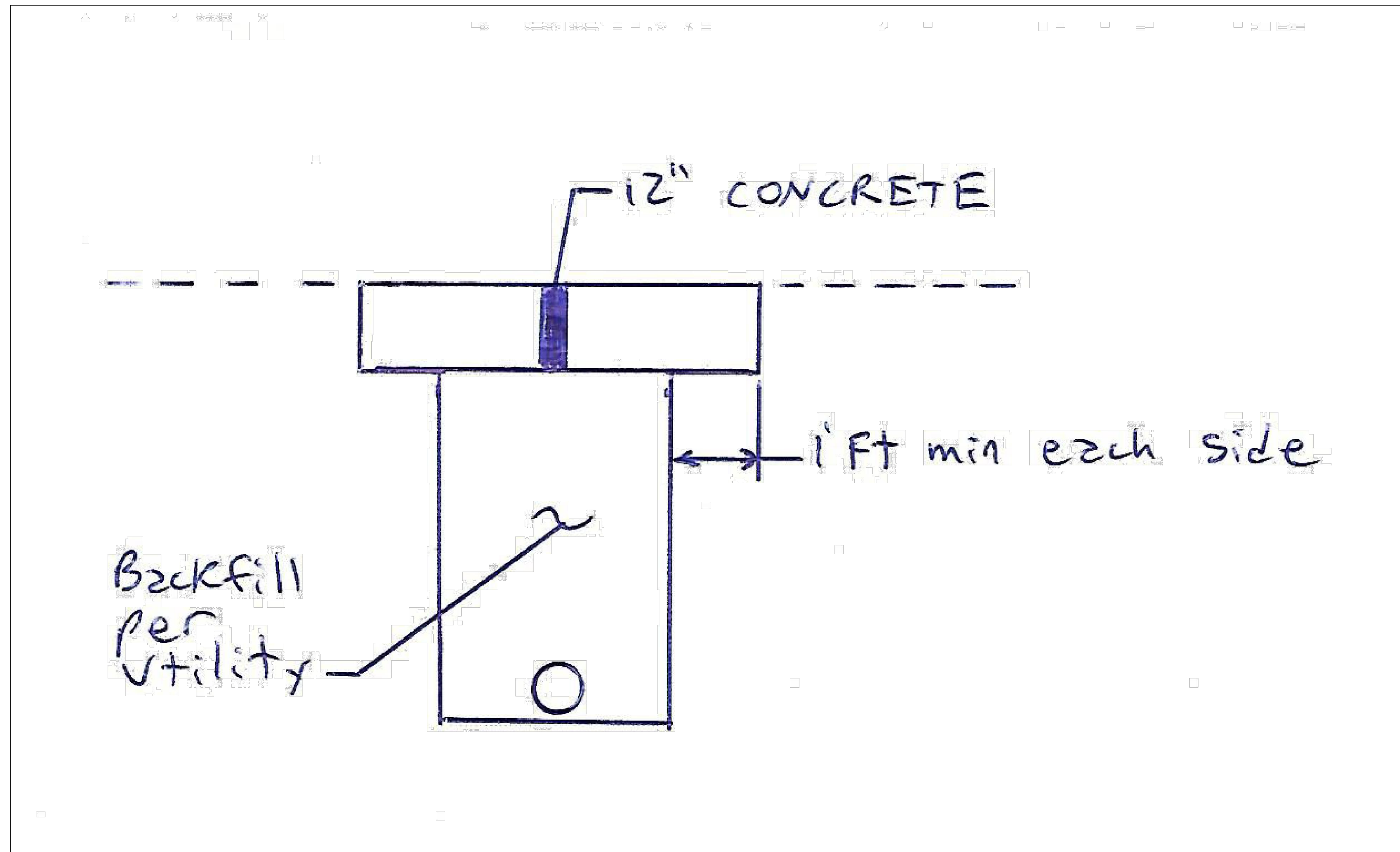
PLAN SHEET

DATE: 2/13/2023
PROJECT ID #: P401262983

21
28



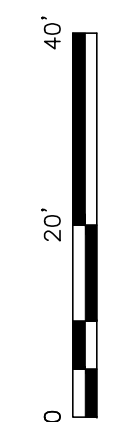
Where the gas company needs to replace gas lines under the pavement within the pavement replacement sections of the US-20 projects, where boring would be too hard, I feel that the attached detail would be an acceptable temporary repair until the pavement is replaced. This detail would be used for gas main lines crossing US-20 and not every service line to the customers along US-20. We would expect those to be bored. In addition, if a gas line needs to cross the pavement outside of the pavement replacement of US-20 projects, this line should be bored. The open cut trenches should be regraded and seeded to match the area prior to placing the gas line.



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NORTH



REV	DESCRIPTION	DATE	BY



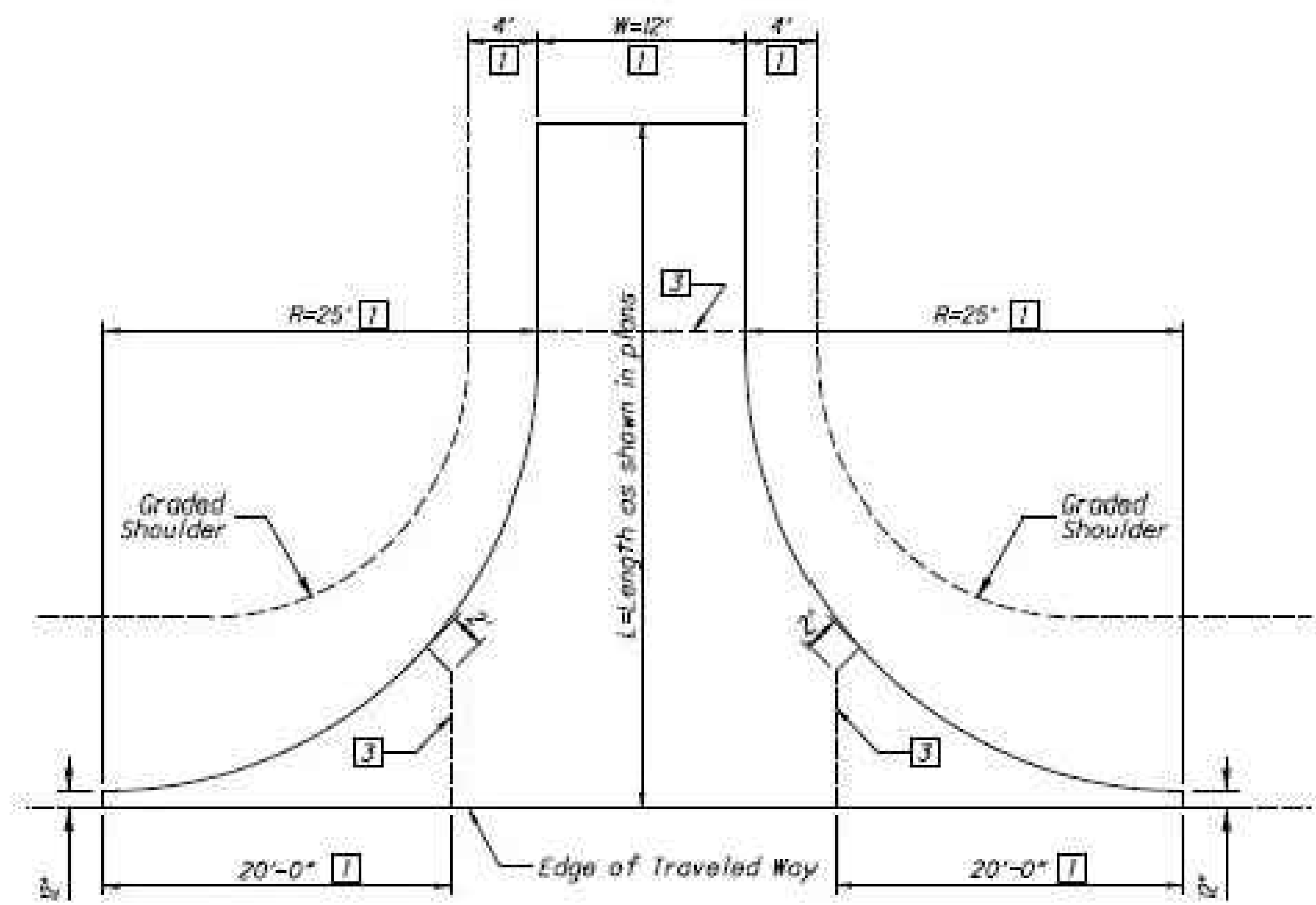
ODOT LAK-20-24.99

RESTORATION

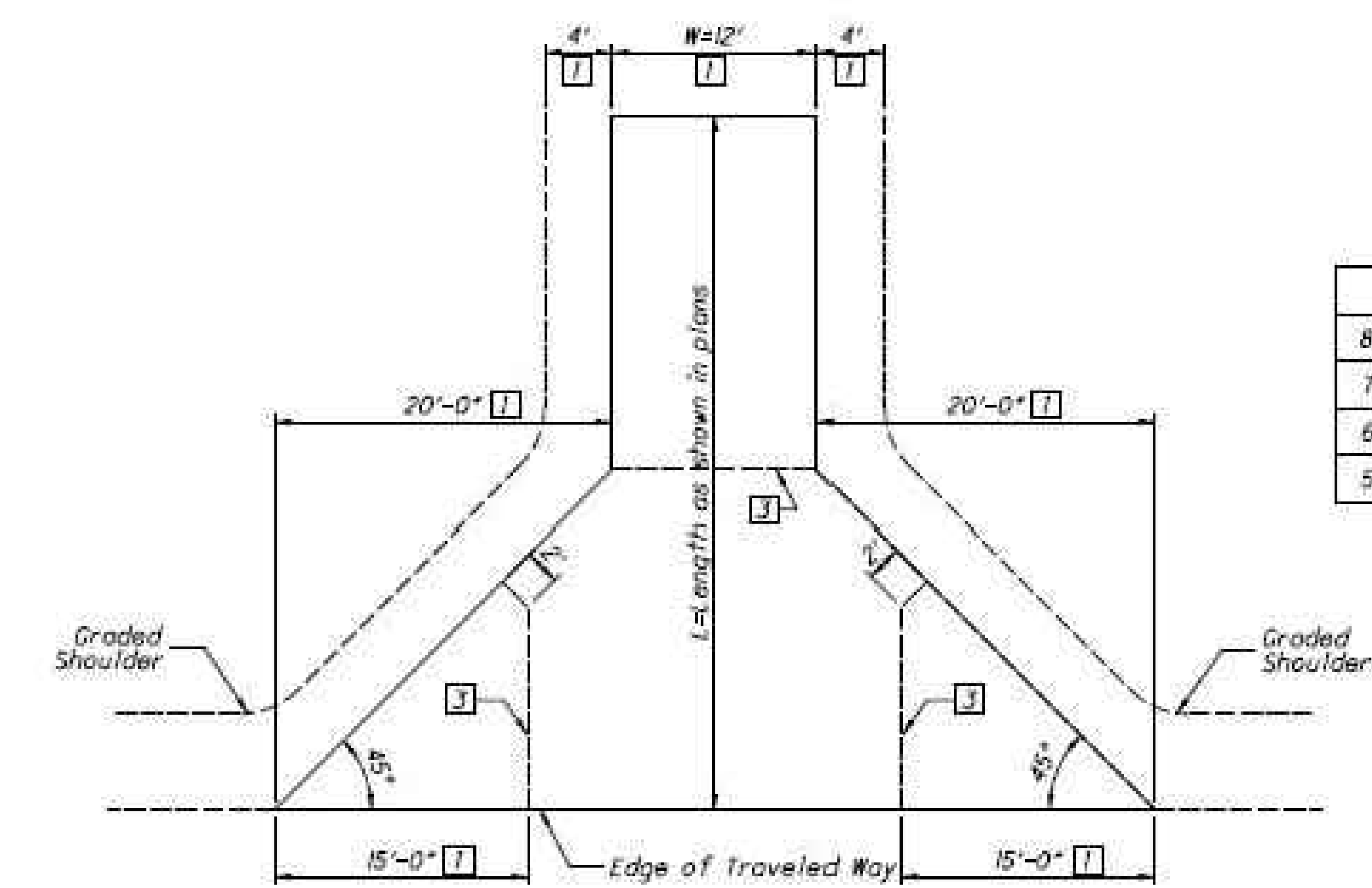
DATE: 2/13/2023
PROJECT ID #: P401262983

22
28

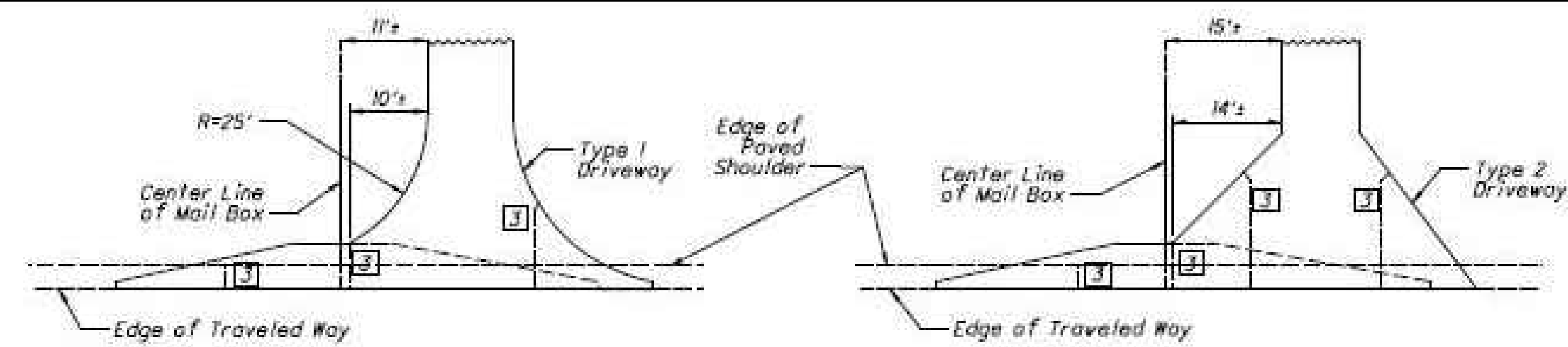
THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.



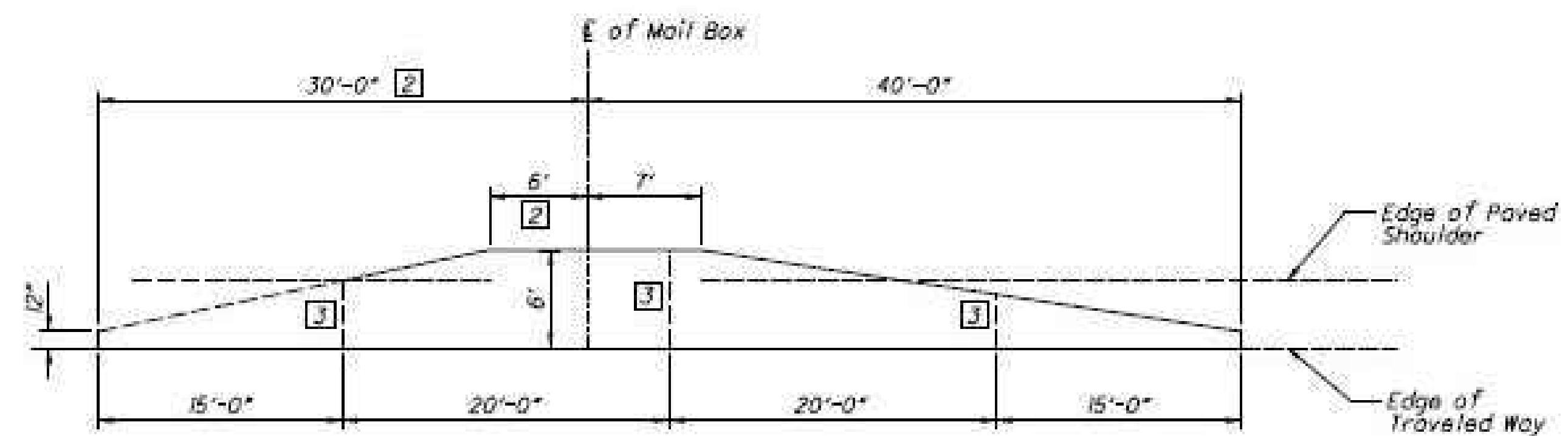
TYPE 1 DRIVEWAY



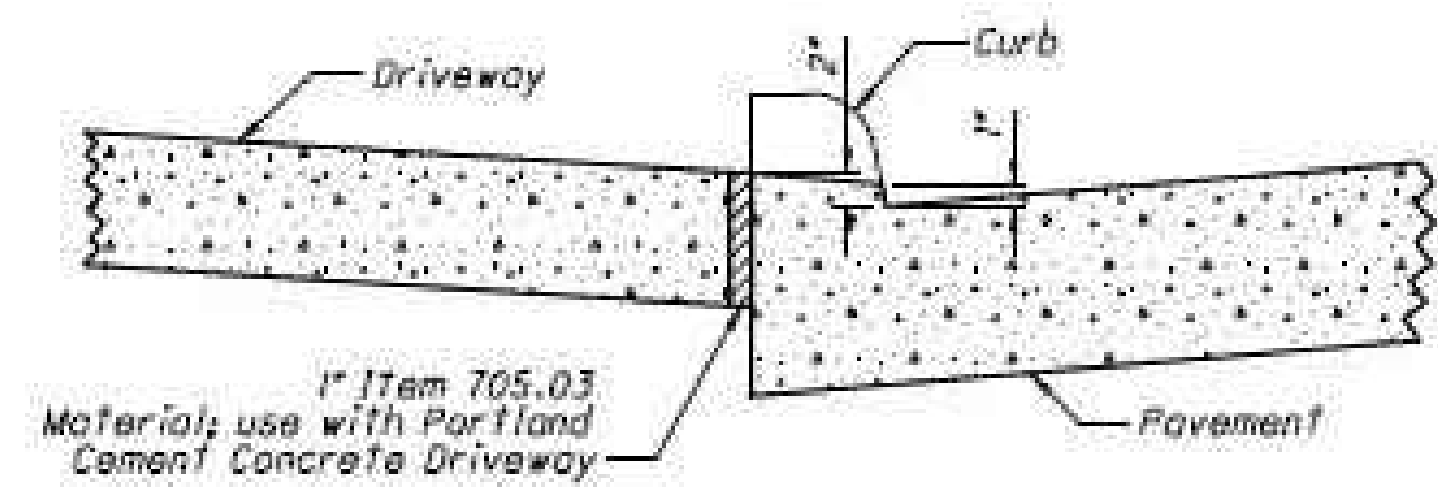
TYPE 2 DRIVEWAY



COMBINED DRIVEWAY & MAIL BOX APPROACH

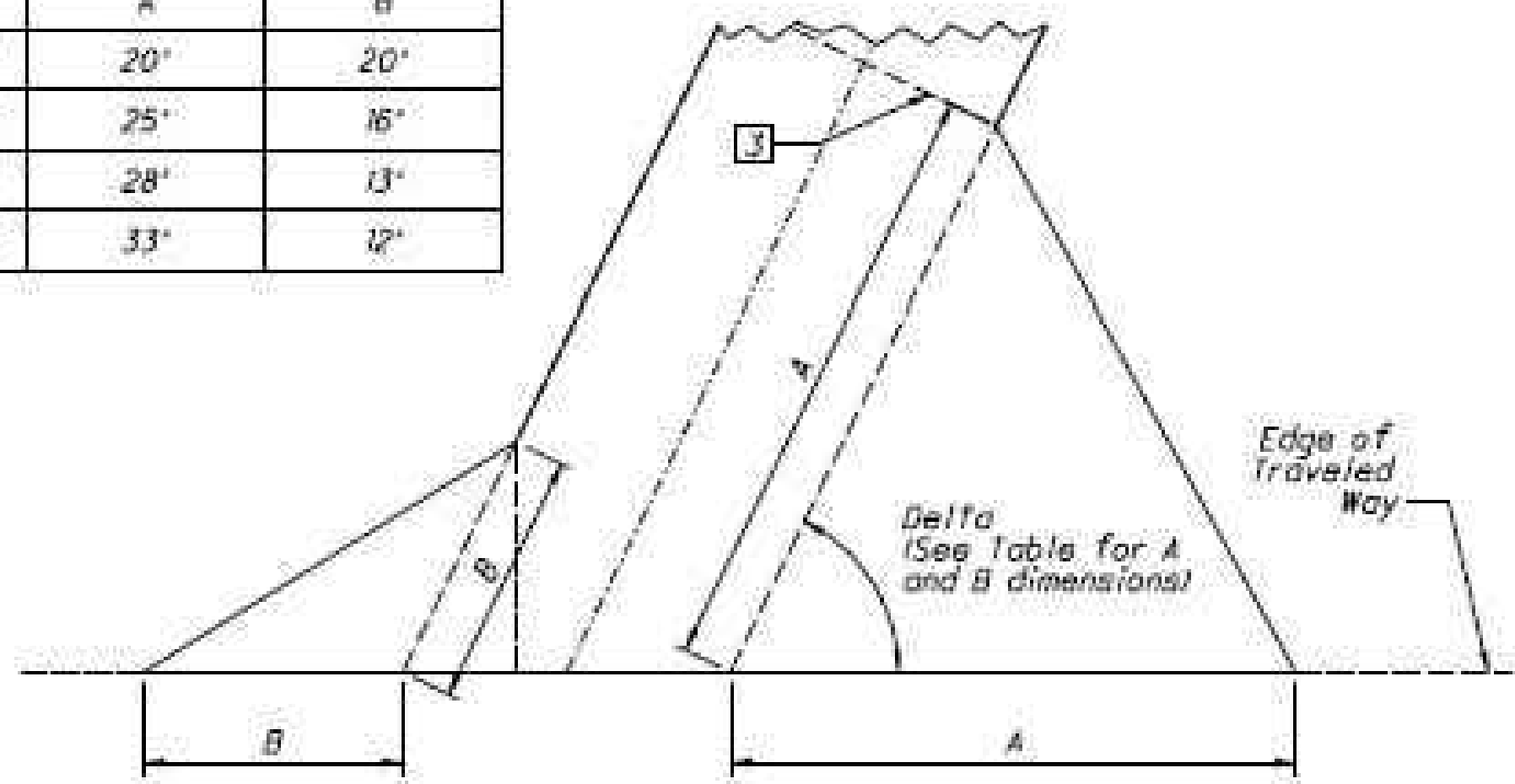


TYPICAL MAIL BOX APPROACH



DROP CURB DETAILS AT DRIVEWAYS

Delta	A	B
80° to 90°	20'	20'
75° to 85°	25'	16'
65° to 75°	28'	13'
55° to 65°	33'	12'



TYPE 2 SKEWED DRIVEWAY

Transition from Standard Curb Section to Drop Curb Section to be made in 18' distance from Driveway

NOTES

- GENERAL:** The design details shown here shall govern the construction of driveways unless otherwise shown in the project plans.
- The pavement type and thickness shall be specified in the project plans.
- Driveway and mail box approaches shall be combined when feasible.
- JOINTS:** Impressed joints for portland cement concrete driveways shall be 1/4" minimum width by 3" depth and shall be sealed with Item 705.04 or ASTM D 1850.
- In addition to the joints shown here, impressed joints without tie bars shall be placed in portland cement concrete driveways at intervals not to exceed 17' in the portion of the driveway beyond the figure.

LEGEND

- 1 Unless otherwise shown in the plans.
- 2 Add 3' for each additional Mail Box
- 3 Impressed Joint without Tie Bars for Portland Cement Surface

THIS DRAWING REPLACES BP-4.1 DATED 7-16-04.

STANDARD ROADWAY CONSTRUCTION DRAWING

DRIVEWAYS

REV. NO. DATE BY DESCRIPTION

STATUS: ENGINEER M. Ruppe

STATE OF OHIO DEPARTMENT OF TRANSPORTATION ADMINISTRATOR Michael Blaine

REVISION DATE 7-19-2013

SHEET NUMBER BP-4.1

NORTH

DRAWING SCALE 0 20 40'

DATE: 2/13/2023

PROJECT ID #: P401262983

RESTORATION

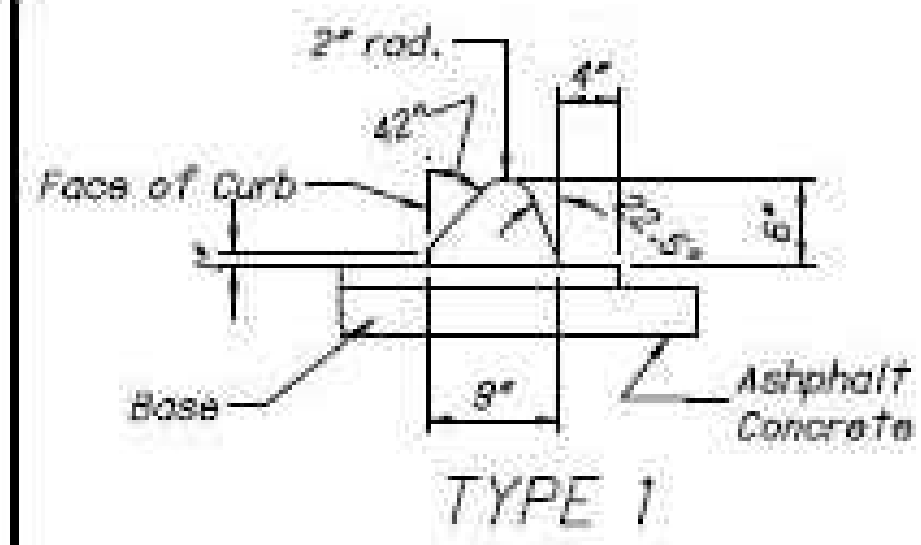
ODOT LAK-20-24.99

23

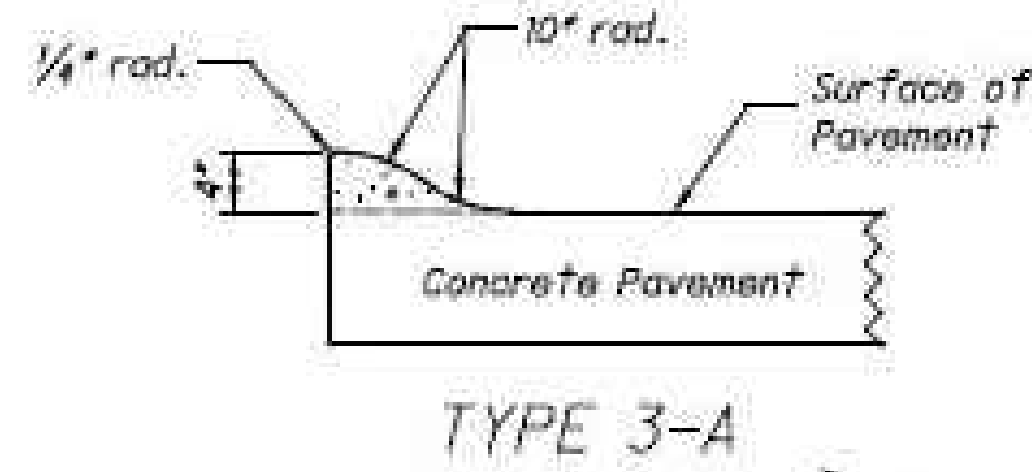
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Dominion Energy

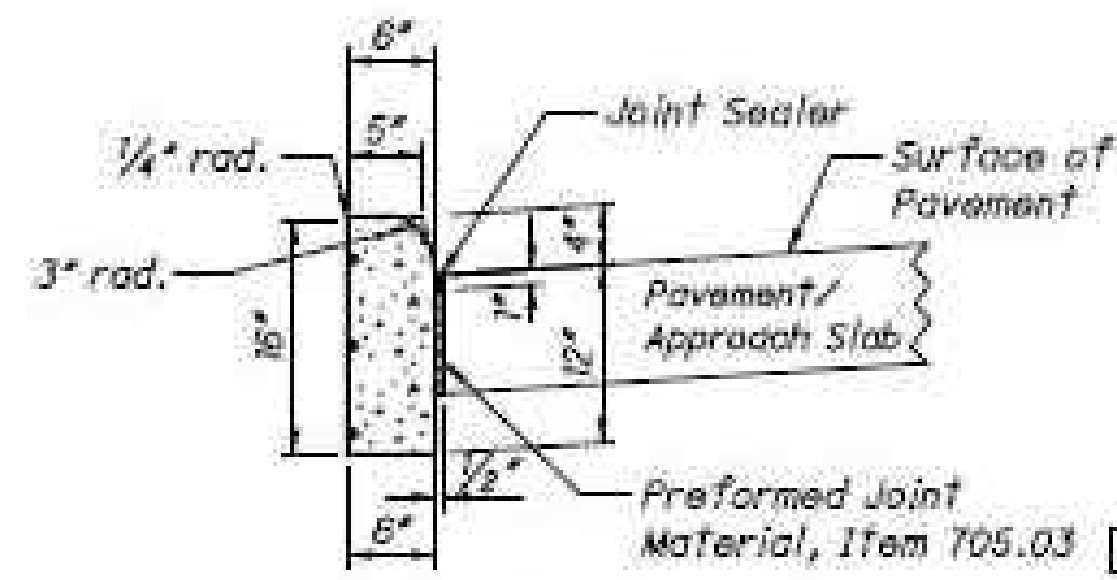
THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.



TYPE 1



TYPE 3-A



TYPE 4-C

NOTES

GENERAL: This drawing shows alternate types of curb that may be used on various types of pavement. The typical section of the project shows the type to be used, also the thickness of the edge of the pavement or the edge of the curb and gutter section.

JOINTS: 1" expansion joints shall extend up to the top of the curb and shall be constructed in the curb and gutter section in such a manner that the joint seal will extend the full width of the gutter and into the curb face a sufficient distance to seal the joint to an elevation of a least 2" above the flow line of the gutter. Dowel bars shall be used in the curb and gutter section at expansion joints and to the surface of the pavement.

Transverse expansion joint material shall meet the requirements of Item 705.03.

GUTTER PLATE THICKNESS: Thickness of gutter plate "T" shall be 9" unless otherwise shown on the plans.

TOLERANCES: Dimensional tolerances are as follows:
 Curbs: $\pm 1/32"$ to $+1/4"$.
 Gutters: 0 to $+1/2"$.

LEGEND

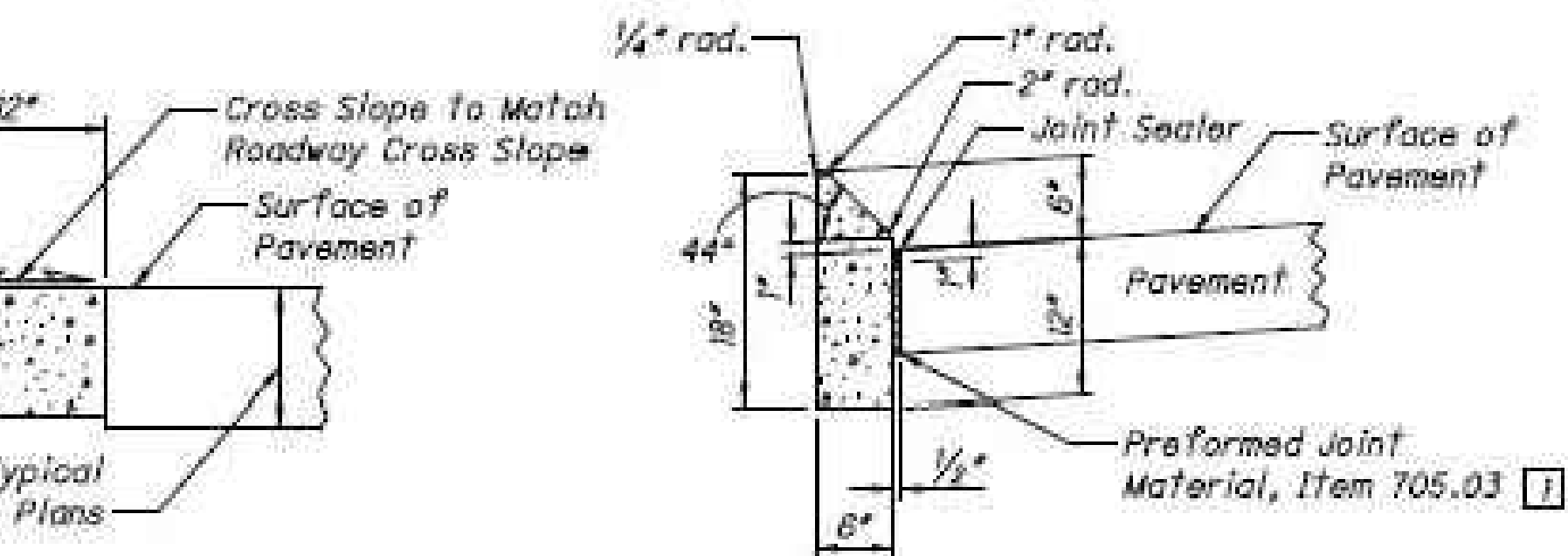
1 Expansion joint material and joint sealer are not required for the portion of the curb that is adjacent to a flexible pavement type. Both materials are required, as detailed, for the full height of rigid pavement and concrete bases.

2 Butt joints shall be provided between combined curb-and-gutter and new or existing rigid pavements, with tie bars or hook bolts provided at intervals of 5'. See SCD BP-2.1 for details of tie bars and hook bolts. If the combined curb-and-gutter adjoins a new rigid base or an existing rigid base or pavement that is to be surfaced with asphalt concrete, a butt joint shall also be provided. However, tie bars or hook bolts shall be omitted when the vertical overlap (1" in detail below) between the curb-and-gutter and rigid pavement is less than 7'.

LEGEND

1 Expansion joint material and joint sealer are not required for the portion of the curb that is adjacent to a flexible pavement type. Both materials are required, as detailed, for the full height of rigid pavement and concrete bases.

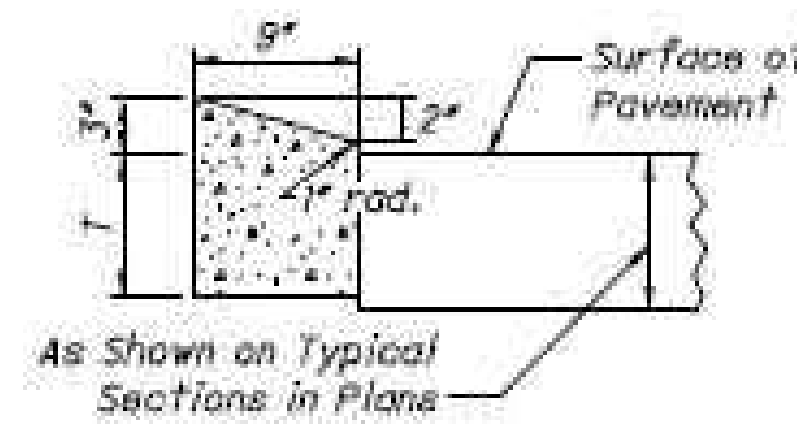
2 Butt joints shall be provided between combined curb-and-gutter and new or existing rigid pavements, with tie bars or hook bolts provided at intervals of 5'. See SCD BP-2.1 for details of tie bars and hook bolts. If the combined curb-and-gutter adjoins a new rigid base or an existing rigid base or pavement that is to be surfaced with asphalt concrete, a butt joint shall also be provided. However, tie bars or hook bolts shall be omitted when the vertical overlap (1" in detail below) between the curb-and-gutter and rigid pavement is less than 7'.



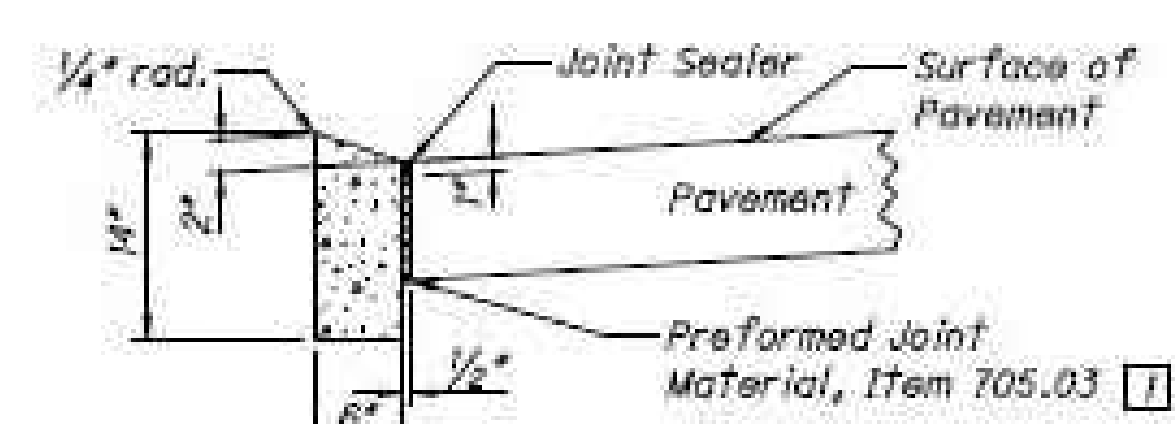
TYPE 10-A



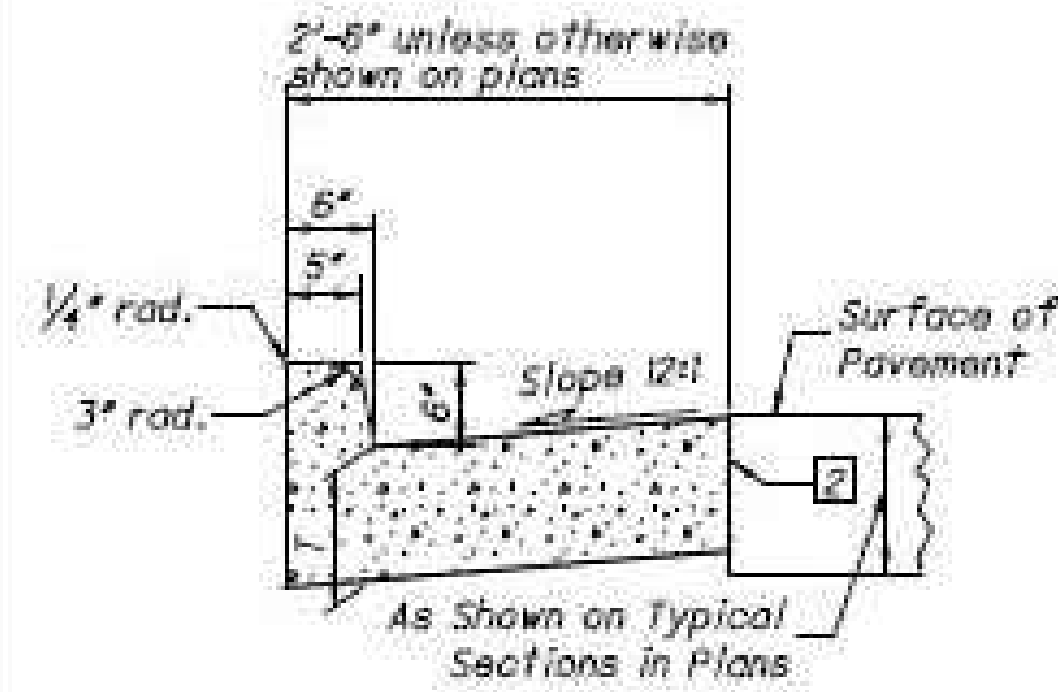
TYPE 9



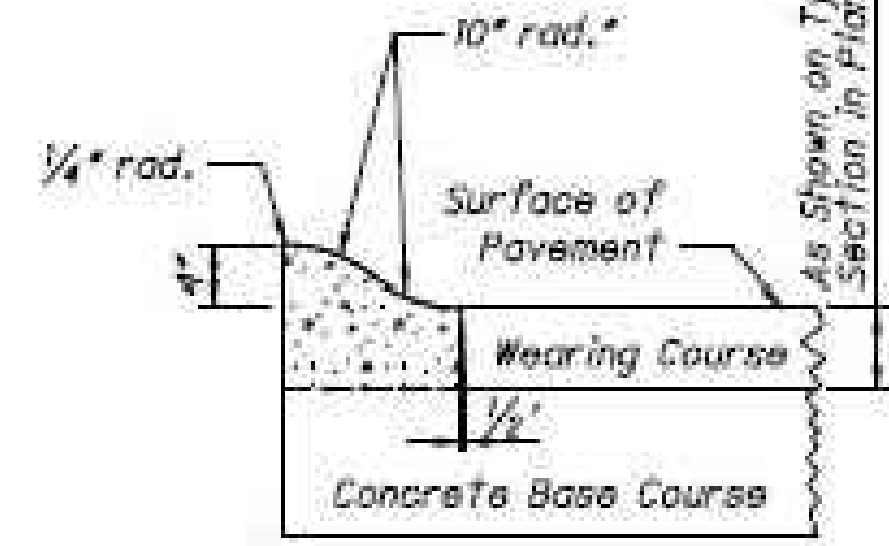
TYPE 10



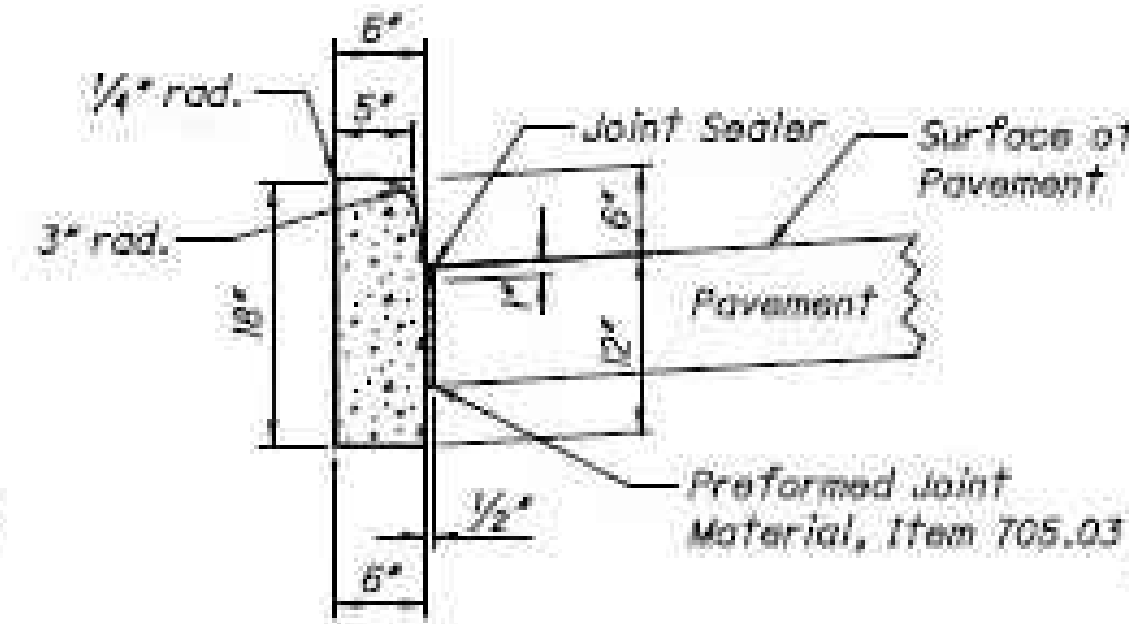
TYPE 10-B



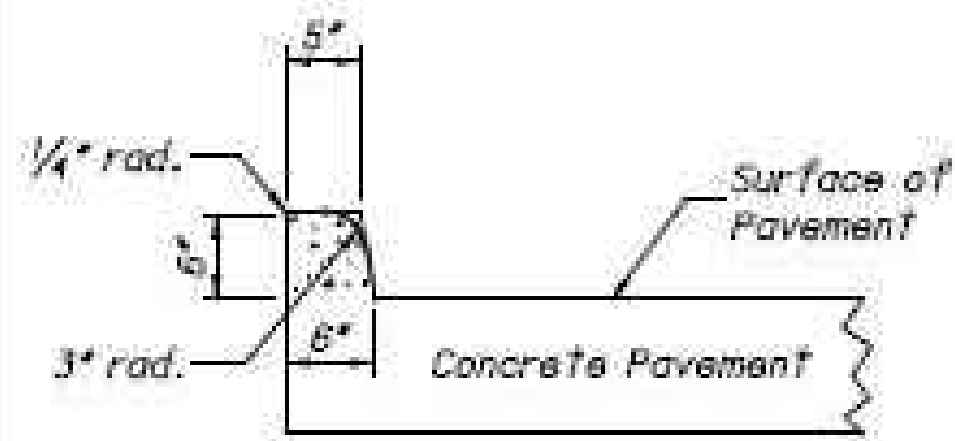
TYPE 2



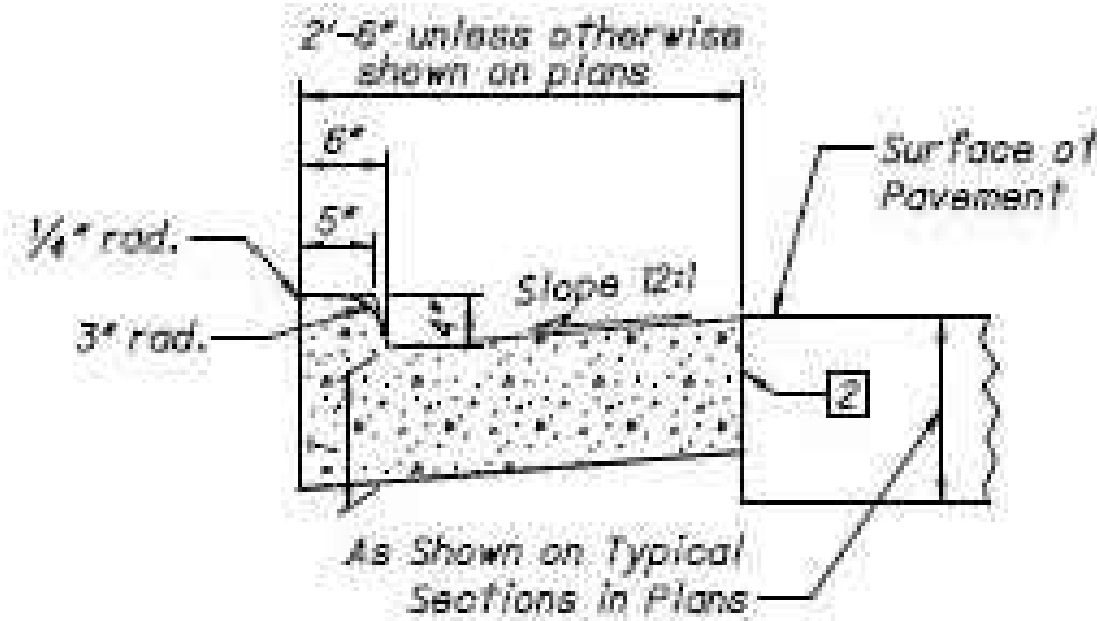
TYPE 3-B



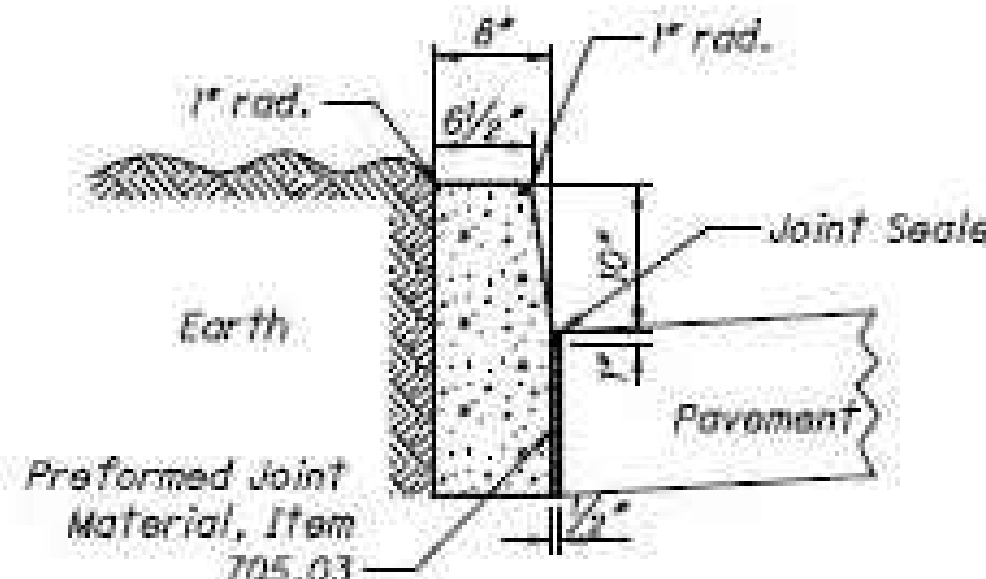
TYPE 6



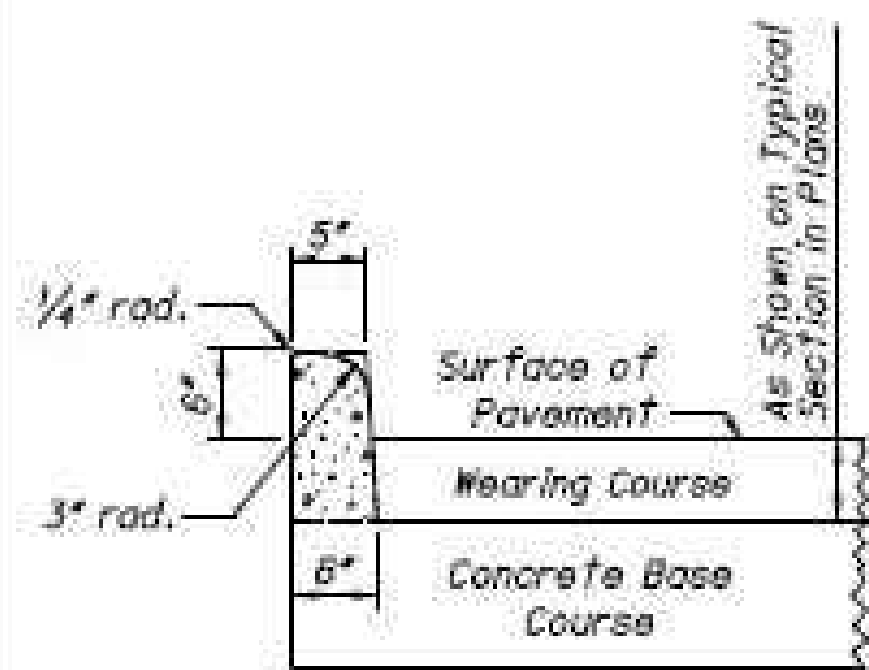
TYPE 2-A



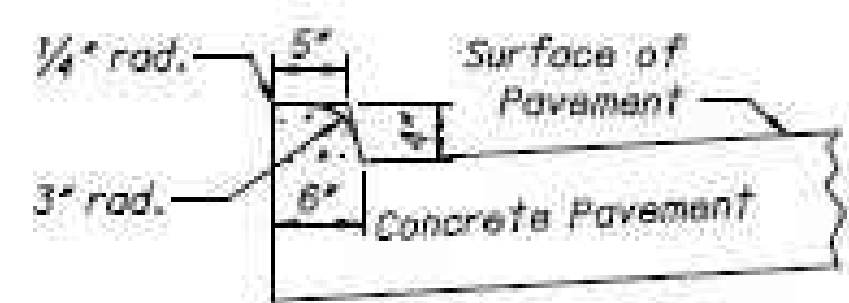
TYPE 4



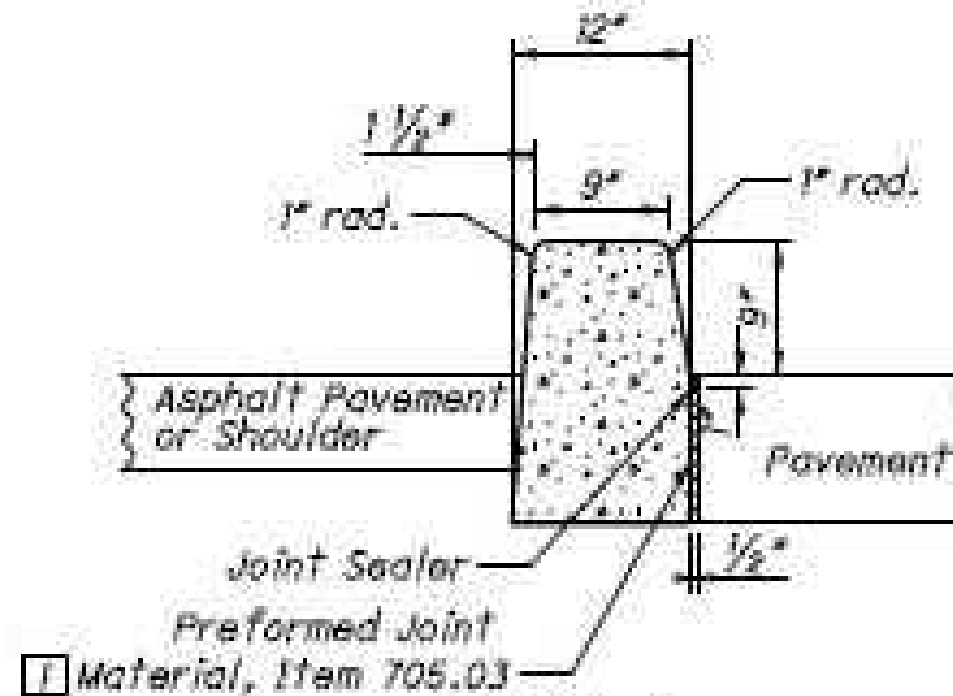
TYPE 7



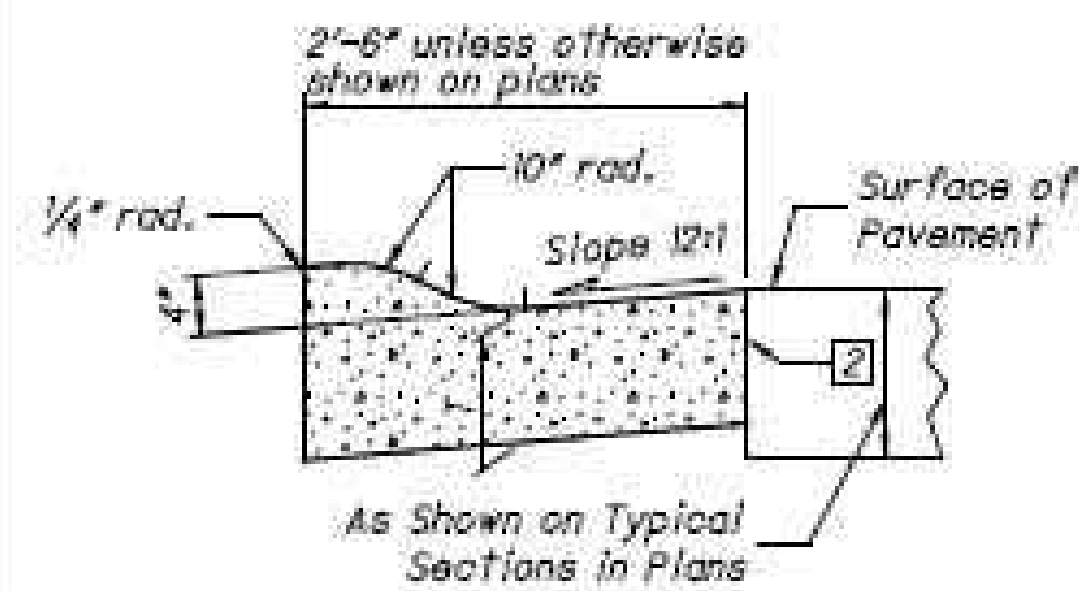
TYPE 2-B



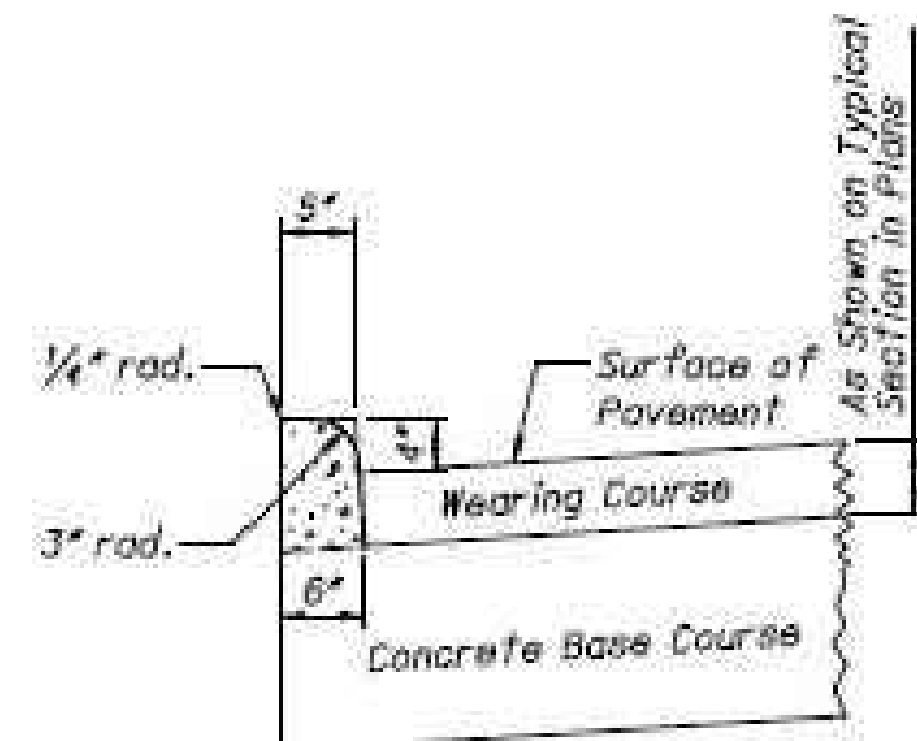
TYPE 4-A



TYPE 8



TYPE 3



TYPE 4-B

REVISION DATE
1-21-2022

STATE OF OHIO DEPARTMENT OF TRANSPORTATION ADMINISTRATION
Brentan L. Bogard

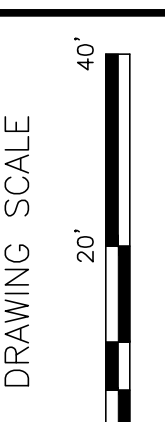
STUDY NUMBER
D. Fisher

OFFICE OF ROADWAY ENGINEERING

STANDARD ROADWAY CONSTRUCTION DRAWING
CONCRETE CURBS AND COMBINED CURB AND GUTTER

SCD NUMBER
BP-5.1

1 / 1



REV	DESCRIPTION	DATE	BY



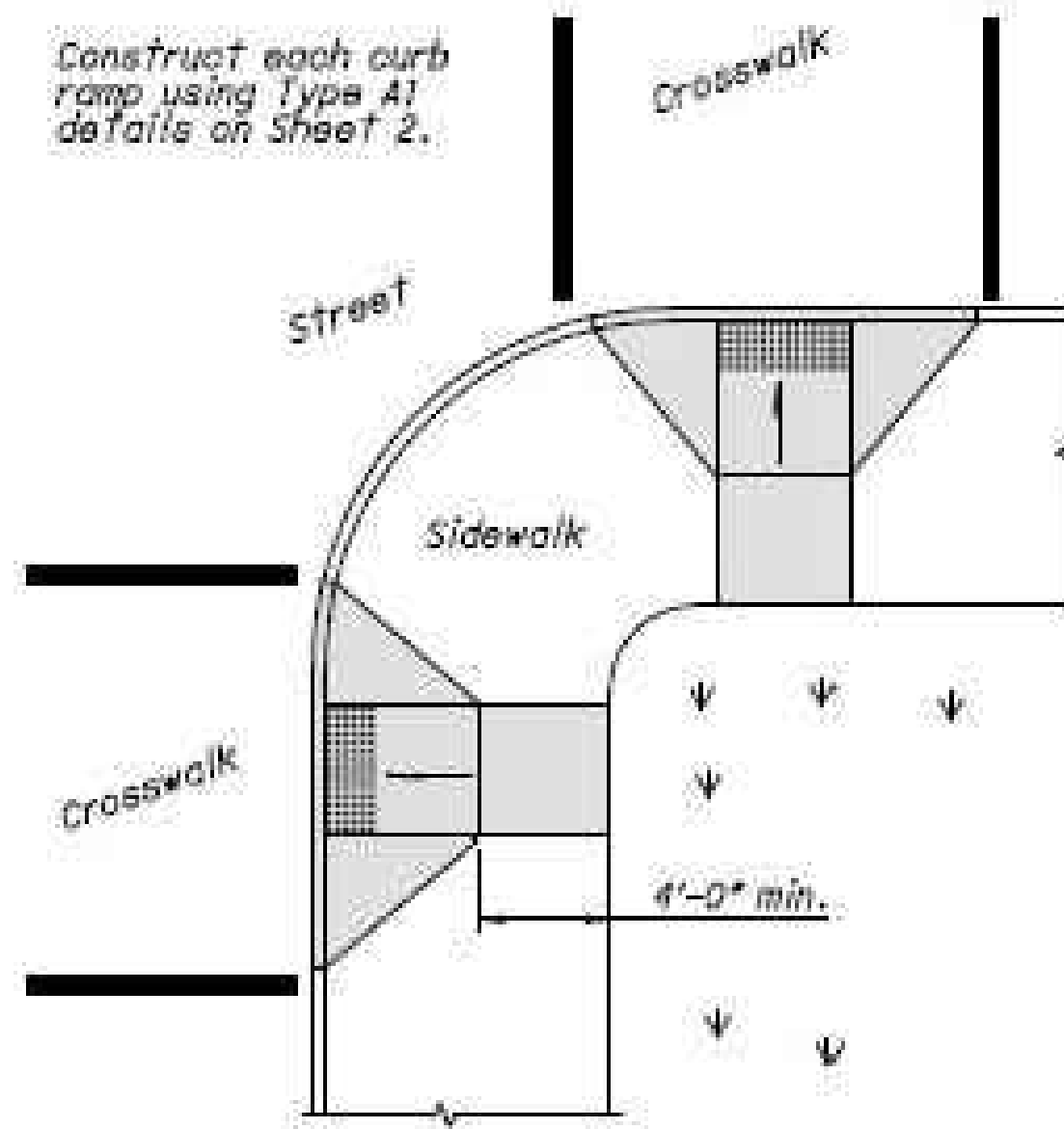
ODOT LAK-20-24.99

RESTORATION

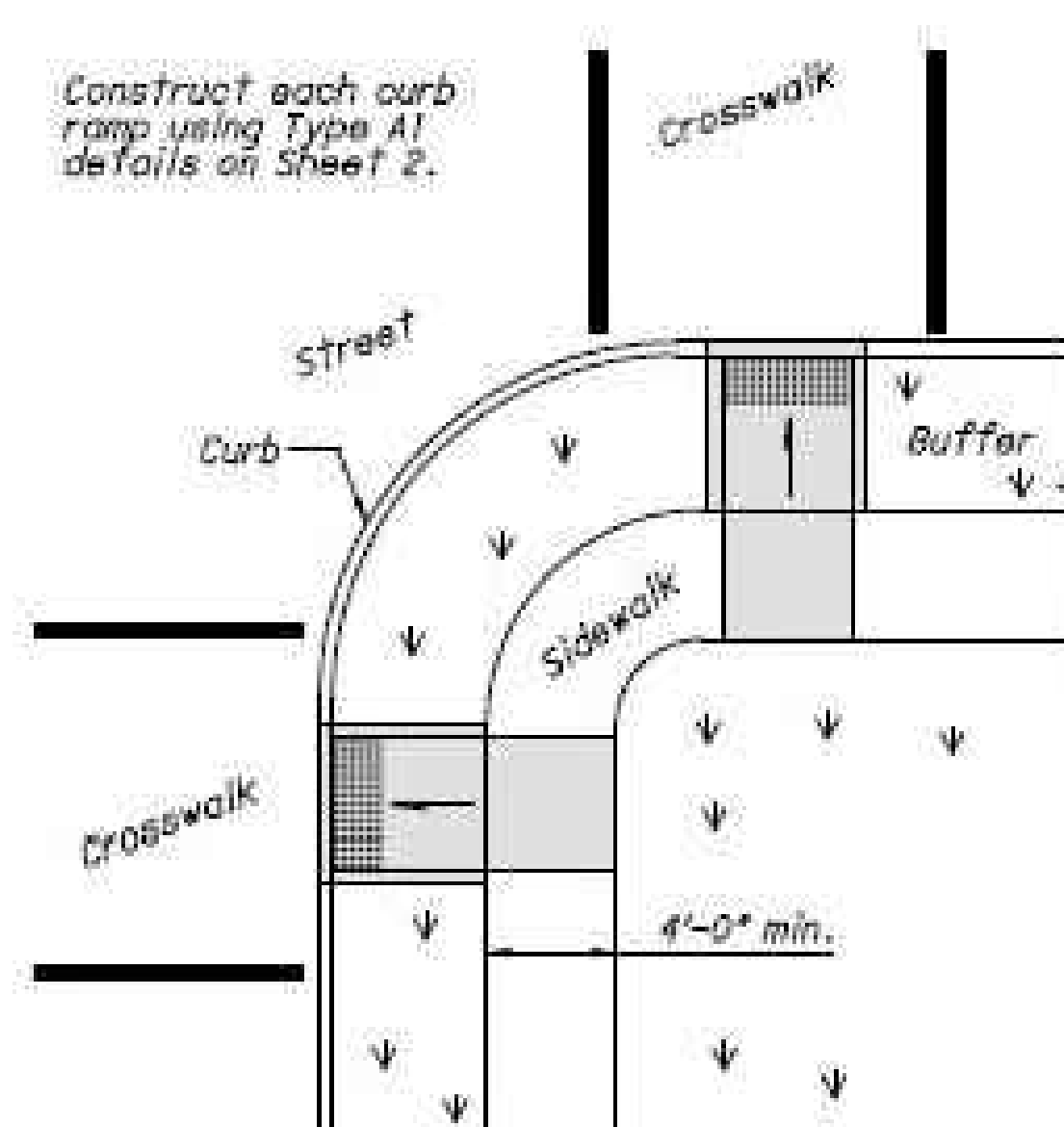
DATE: 2/13/2023
PROJECT ID #: P401262983

24
28

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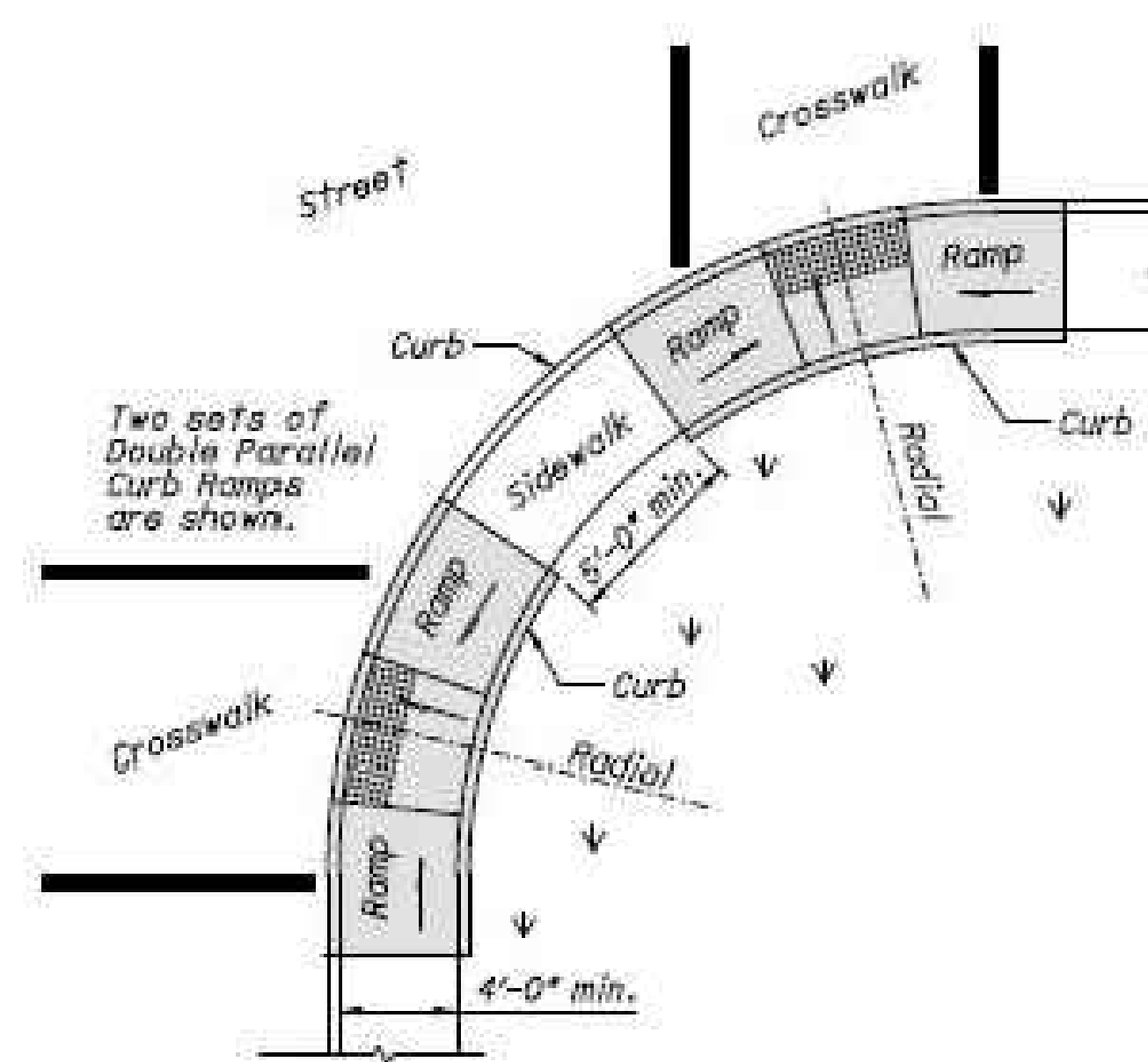


Use curb ramps with flared sides at locations with wide sidewalks.



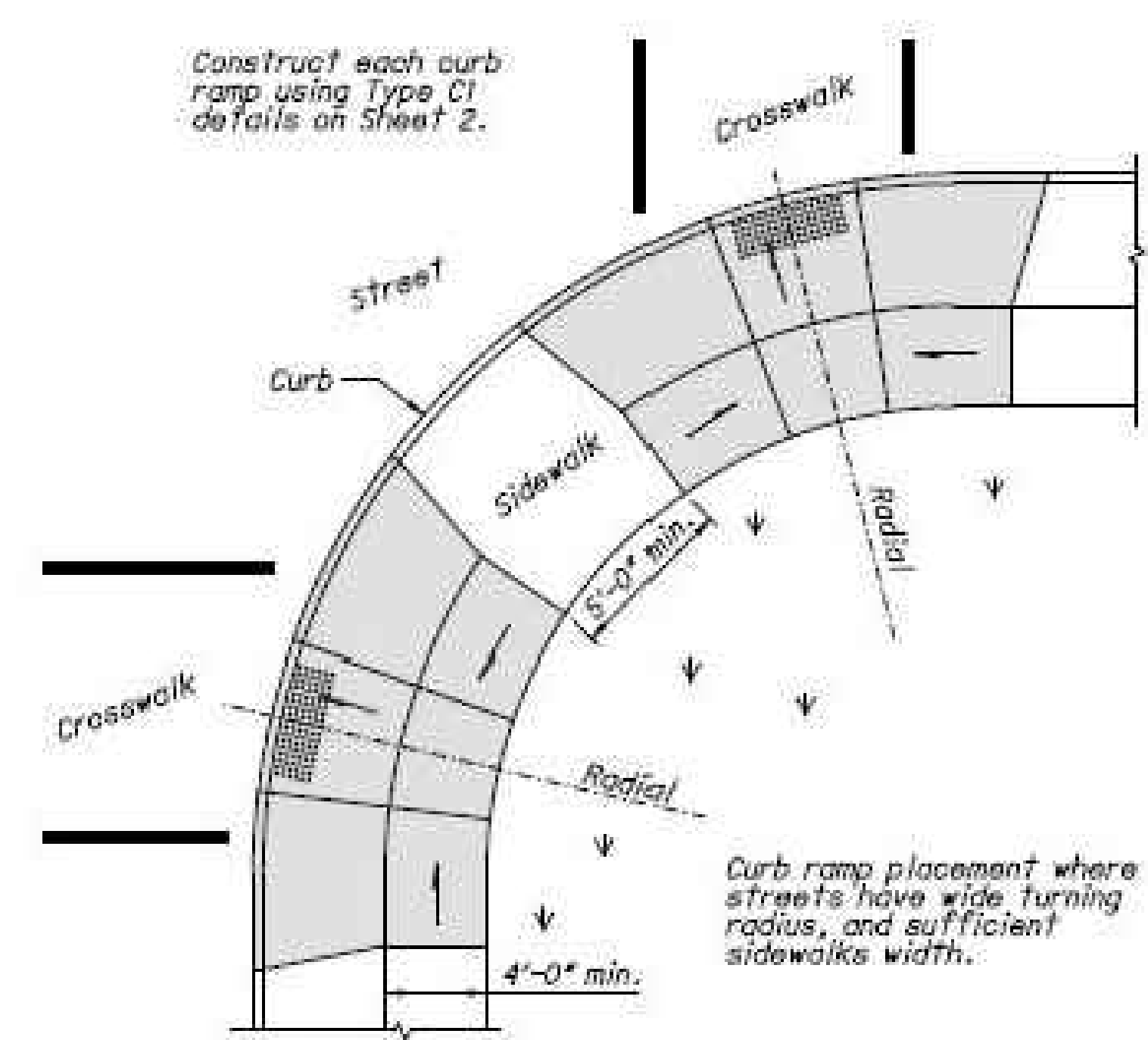
Use curb ramps with returned curbs where buffer is wide enough to accommodate ramp slope.

PERPENDICULAR CURB RAMPS



Place on streets having wide turning radius and where sidewalks are narrow.

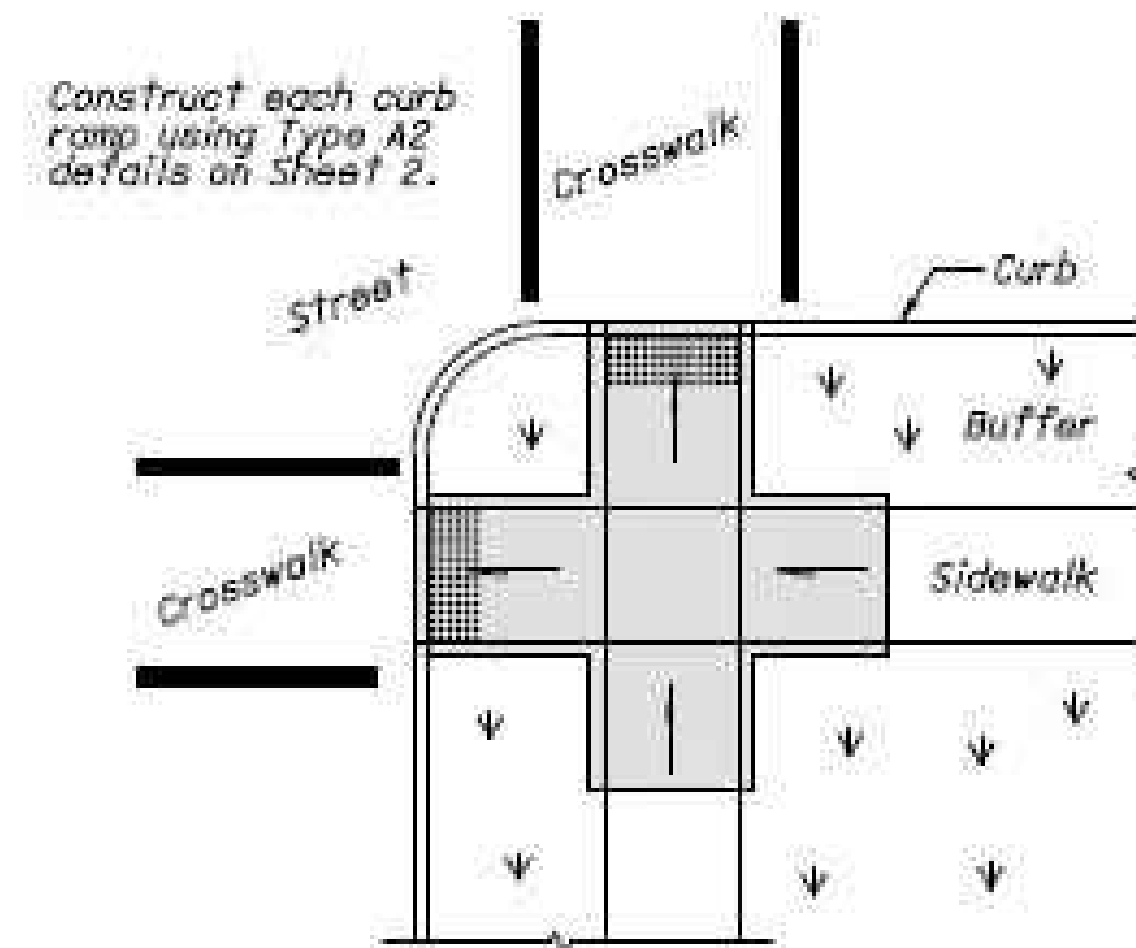
PARALLEL CURB RAMPS



Curb ramp placement where streets have wide turning radius, and sufficient sidewalks width.

COMBINATION CURB RAMPS

PREFERRED CONSTRUCTION PLACEMENT



NOTES

GENERAL: This drawing shows curb ramp types details and placement examples for curb ramp construction, including the installation of detectable warnings.

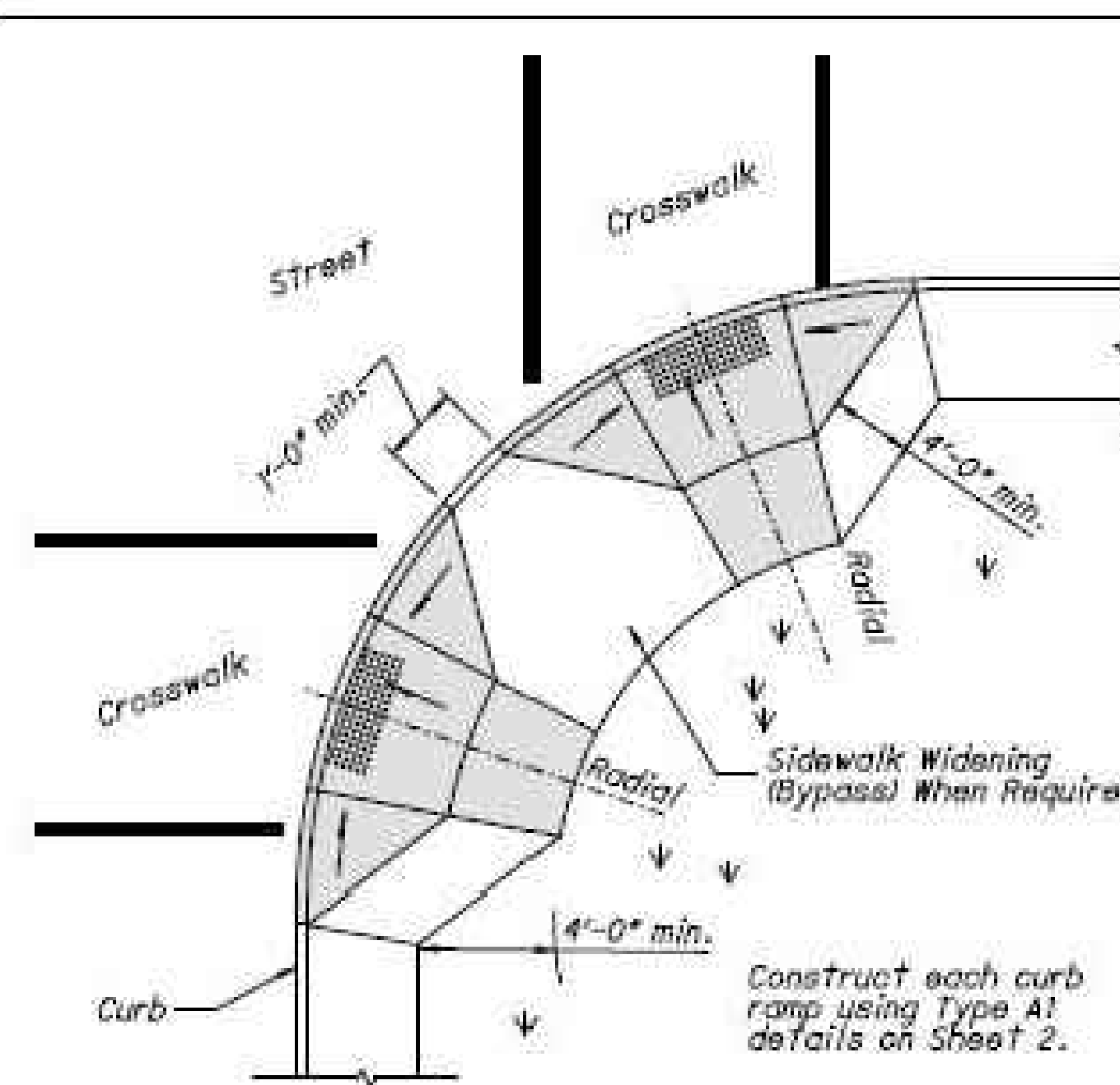
Curb ramp types are shown on Sheet 2 and include Perpendicular, Parallel, and Combined types as specified to be constructed in the locations shown on the project plans.

Curb ramps added to an existing intersection or walk should be individually detailed on the project plans to assure that the design is appropriate for site constraints and all items can be constructed to ADA standards. The contractor may adjust the placement of curb ramps if existing field conditions warrant with the approval of the Engineer.

PAYMENT: Measure and pay for the ramp area within the shaded limits of this drawing as Item 608 Curb Ramp, Square Foot. This includes the cost of any curb or curb and gutter, detectable warnings, landing areas and any additional materials, installation, grading, forming, and finishing required within the shaded area.

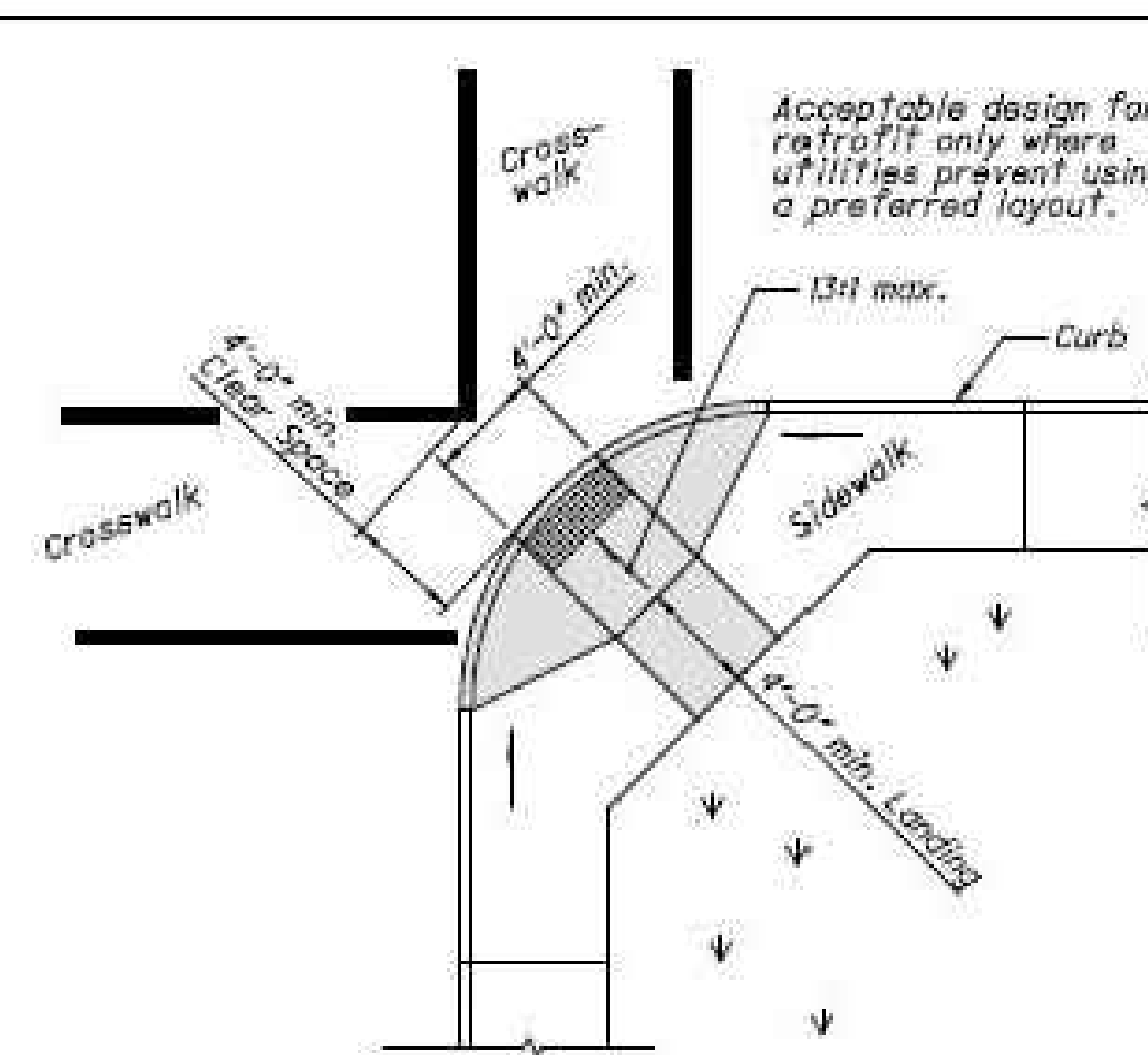
Work beyond the shaded ramp/landing area is paid for as curb (609) and walk (608). Removal of existing curb, walk (or existing curb ramps) are paid under Item 202.

For at-grade crossing locations where only detectable warnings are required in order to achieve ADA compliance, measure and pay for the strip of detectable warnings as Item 608 Detectable Warning, Square Foot. The work to cast the tiles in place will also require removal of existing pavement (Item 202) to the nearest joint, or if no joint exists, a minimum of 4 feet.



Acceptable design on corners with wide turning radius where user is able to maneuver within crosswalk limits so as not to encroach into adjacent traveled lanes.

PERPENDICULAR RAMPS



Use this design only for existing walks, and when site constraints prohibit other designs. The diagonal Type D ramp may be constructed as either a Perpendicular, Parallel or Combination curb ramp type. Avoid using where curb radii are less than 20'-0".

DIAGONAL RAMP (Type D)

ACCEPTABLE CONSTRUCTION PLACEMENT

THIS DRAWING REPLACES BP-7.1 DATED 7-20-2018.

STANDARD ROADWAY CONSTRUCTION DRAWING
NEW CURB RAMPS
(with Detectable Warnings)

SDS NUMBER
BP-7.1

OFFICE OF
ROADWAY
ENGINEERING

STATUS:
ENGINEER

REVISION DATE
1-21-2022

DESIGNER
D. Fisher

STATE OF OHIO DEPARTMENT OF
TRANSPORTATION ADMINISTRATOR

BRANTON BOGARD

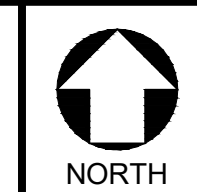
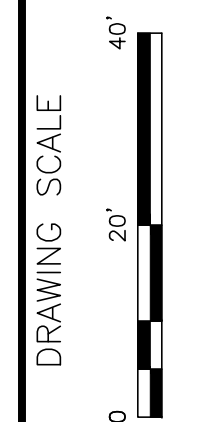
DATE: 2/13/2023
PROJECT ID #: P401262983

RESTORATION

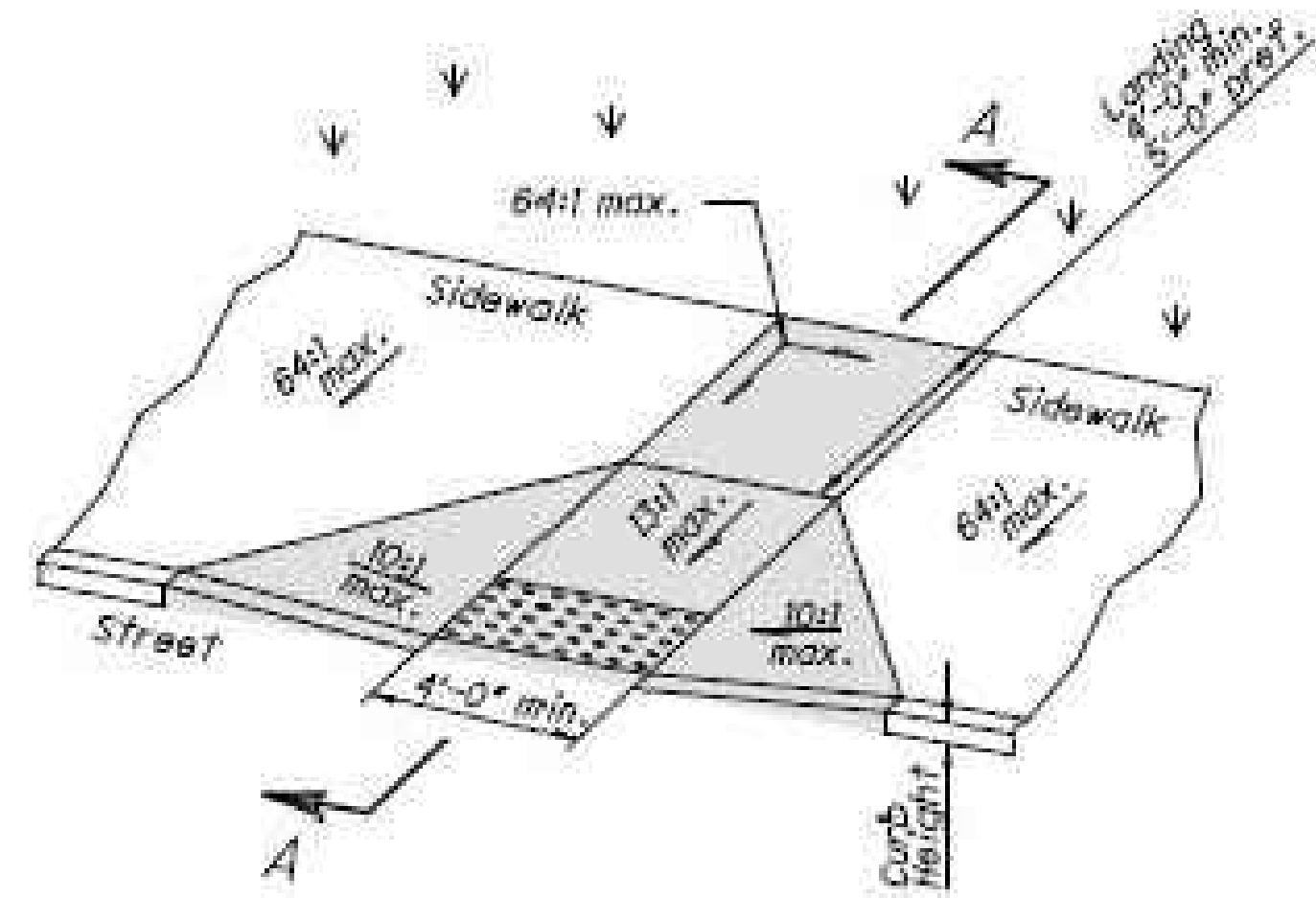
ODOT LAK-20-24.99



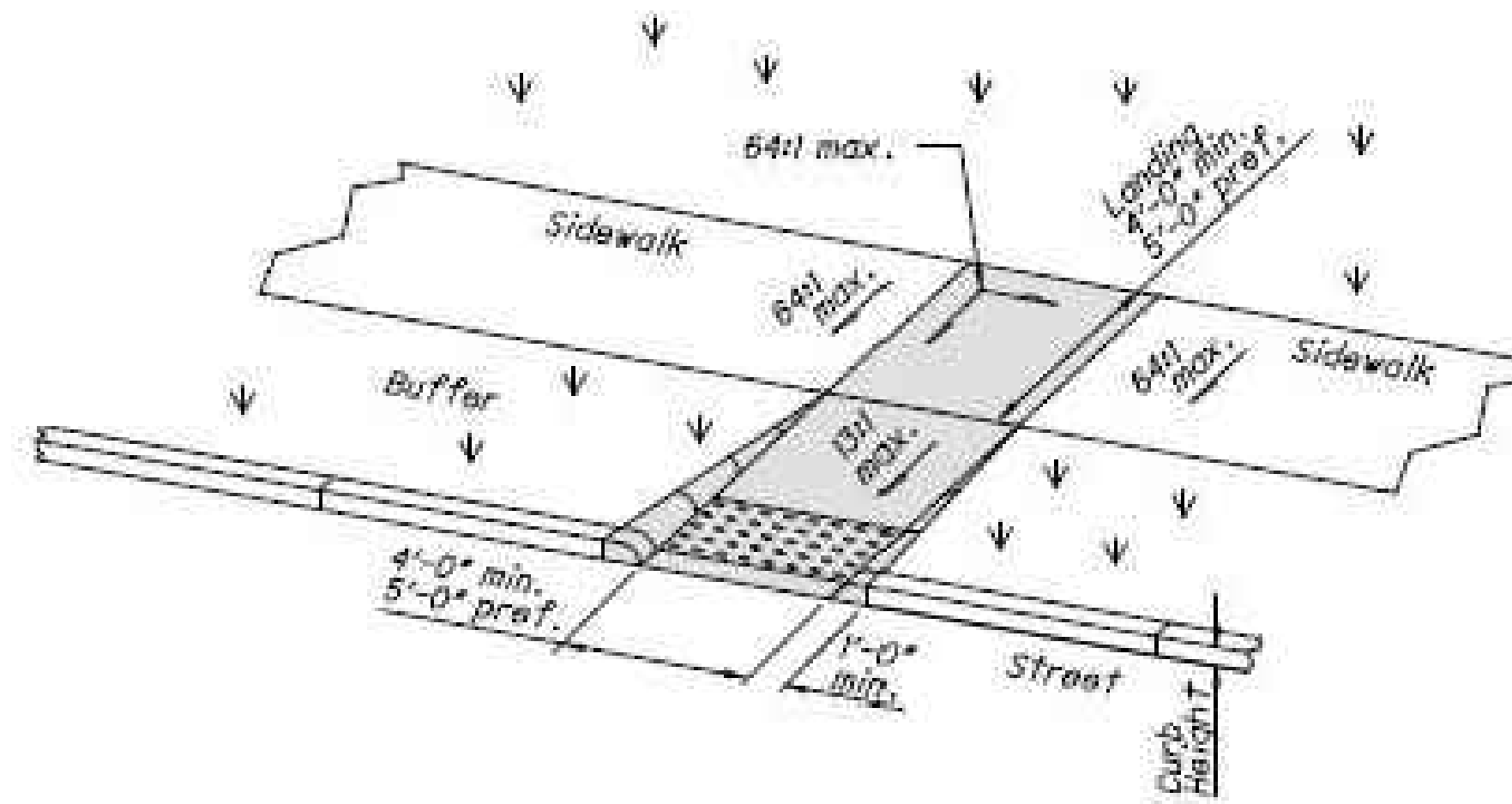
REV	DESCRIPTION	DATE	BY



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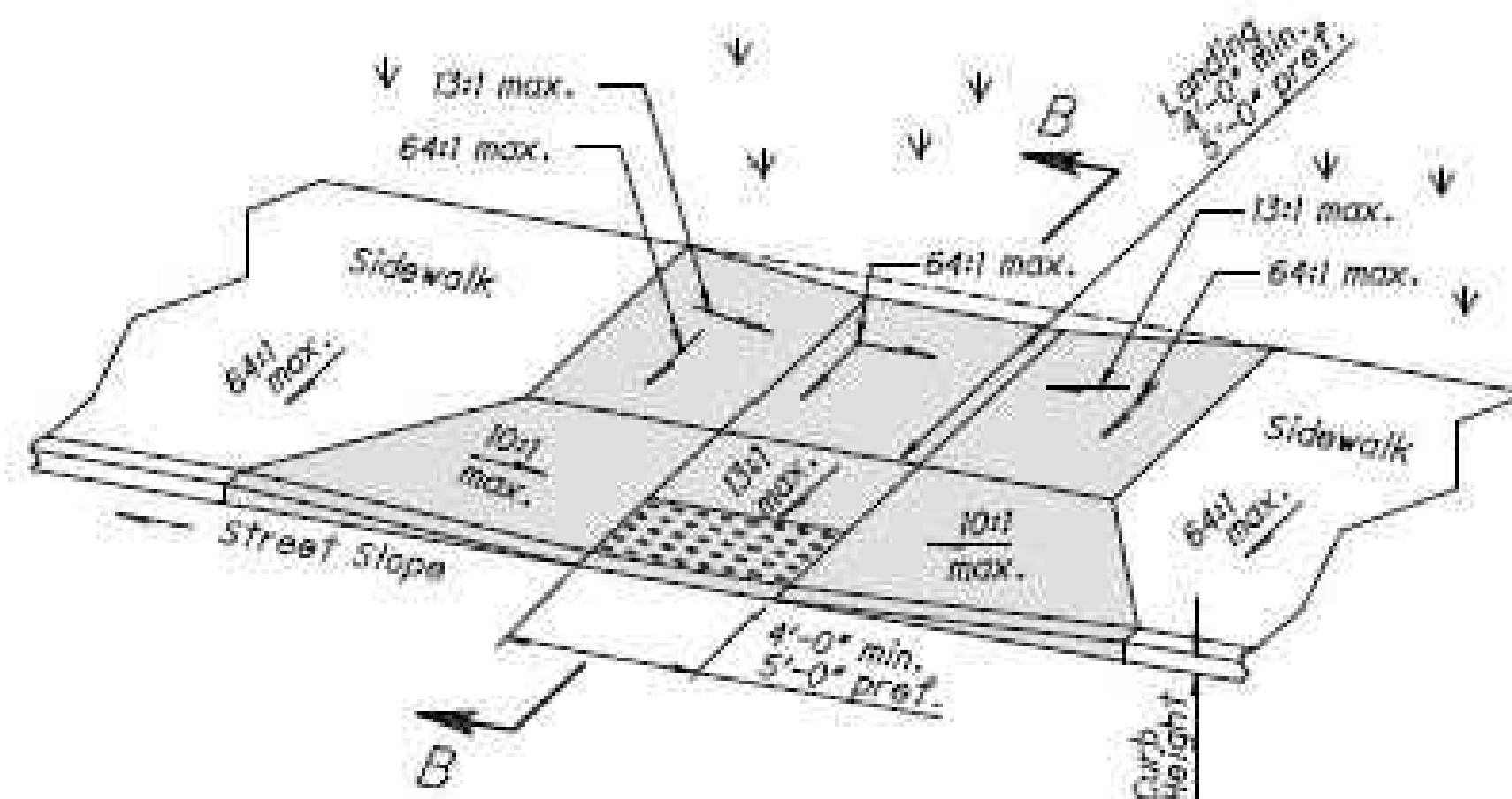


Type A1 (Perpendicular with flared sides)

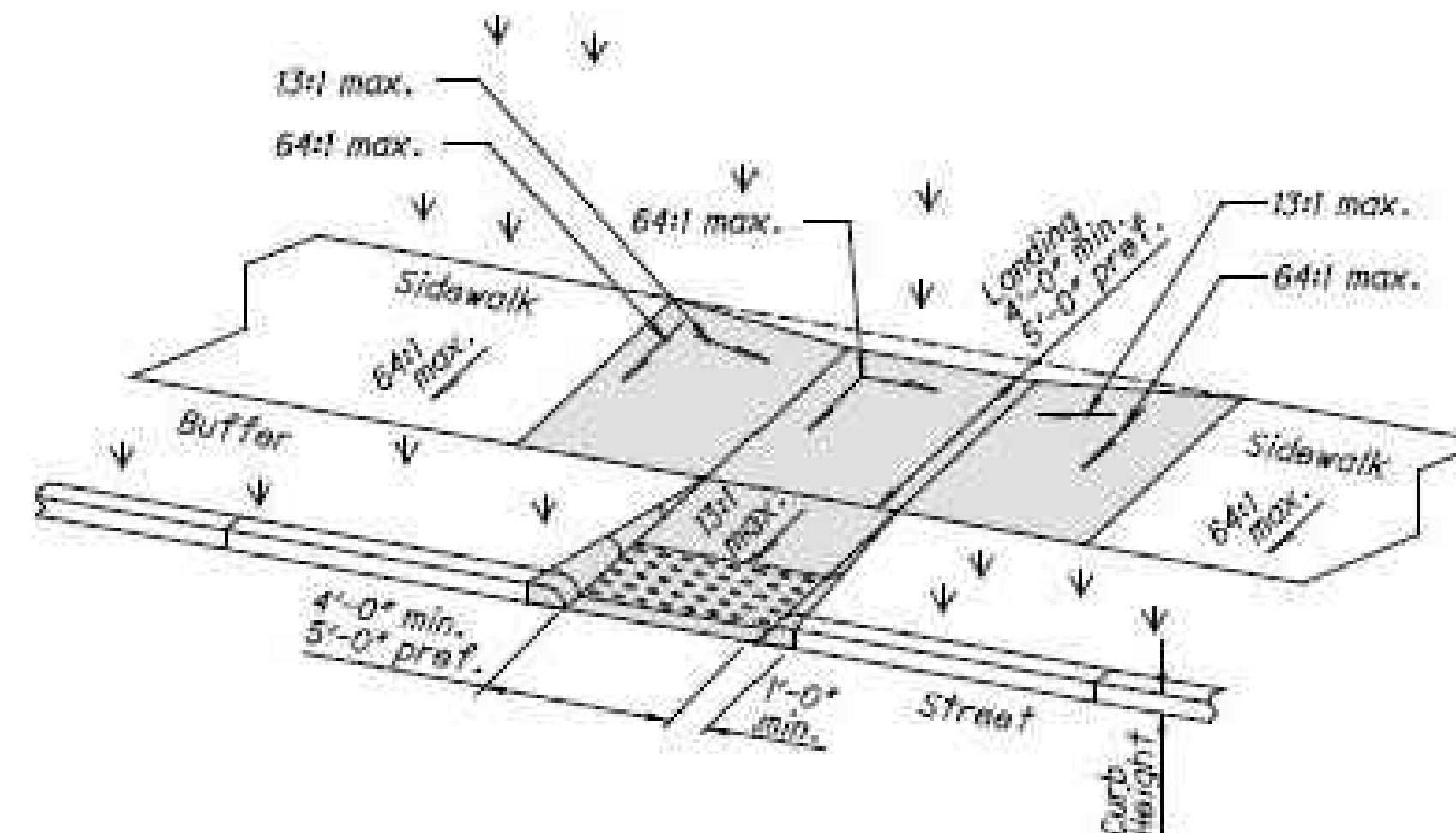


Type A2 (Perpendicular with returned curb)

PERPENDICULAR CURB RAMP DETAILS

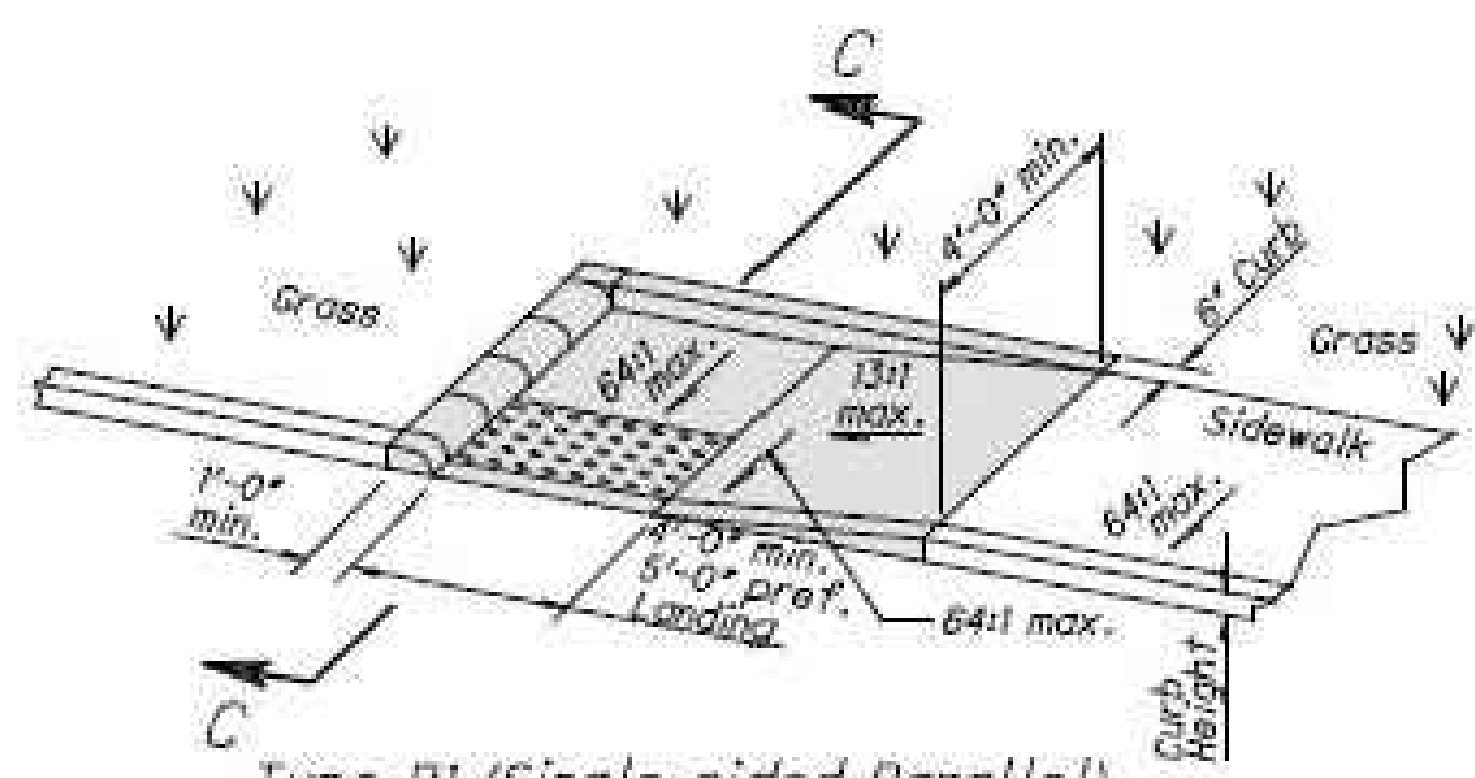


Type C1 (Combined with flared sides)

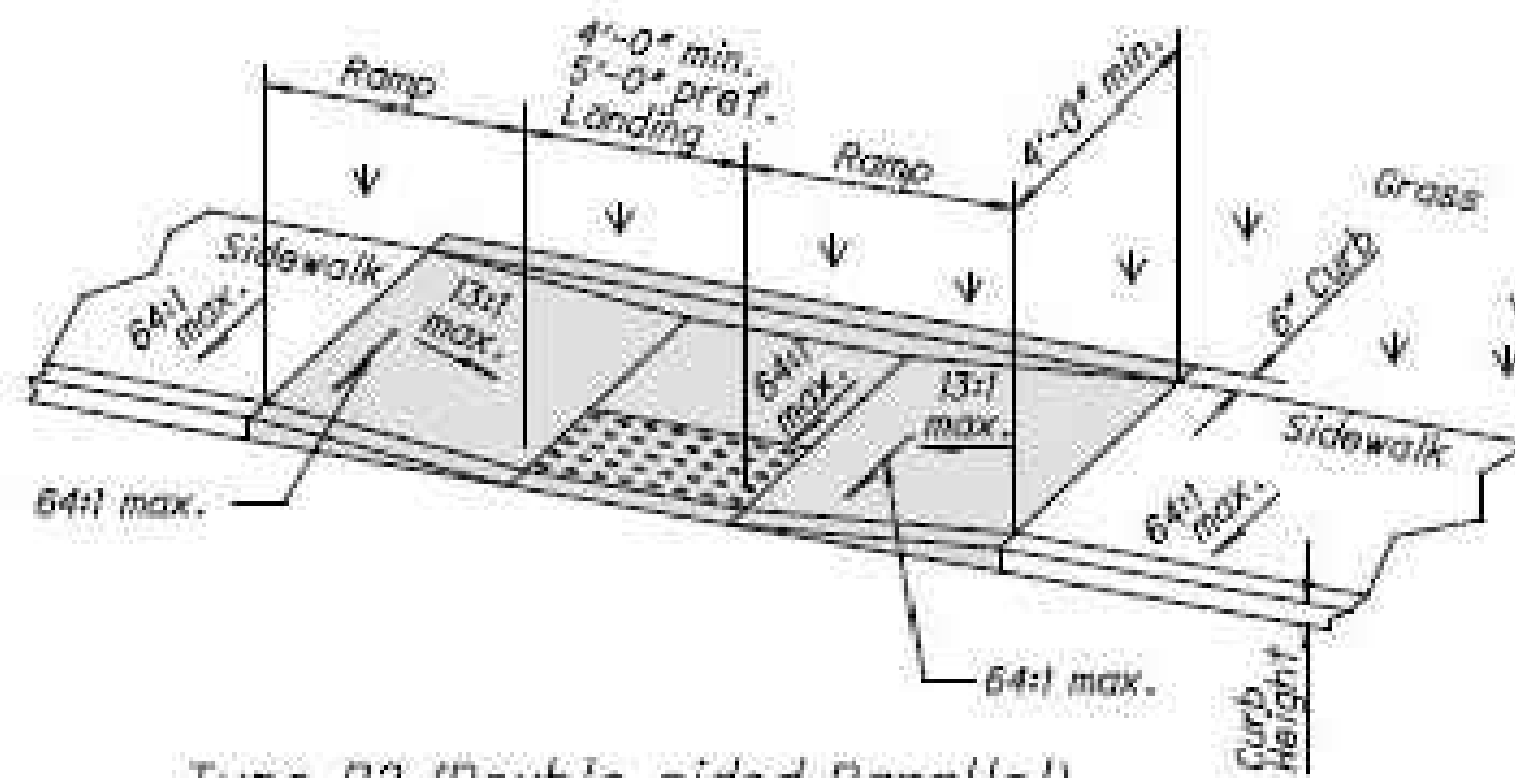


Type C2 (Combined with returned curb)

COMBINED CURB RAMP DETAILS



Type B1 (Single sided Parallel)



Type B2 (Double sided Parallel)

PARALLEL CURB RAMP DETAILS

NOTES CONTINUED

The running slope of the curb ramp shall be a 13:1 maximum or flatter. In existing sidewalks, where the maximum ramp slope is not feasible due to site constraints (e.g. utility poles or vaults, right-of-way limits) it may be reduced as follows:

- A) 10:1 for a max. rise of 6"
- B) 8:1 for a max. rise of 3"
- C) 6:1 over a max. run of 2'-0" for historic areas where a flatter slope is not feasible.

To prevent chasing the grade indefinitely, the transition from existing sidewalk to the shaded curb ramp area is not required to exceed 15 feet in length.

While ramps may be skewed to the crosswalk, the entire lower landing area must fall within the cross walk that the ramp serves and cannot be located in the traveled lane of opposing traffic.

The counter slope of the gutter or street at the foot of a curb ramp, landing, or blended transitions shall be 20:1 or flatter.

The bottom edge of the ramp shall change planes perpendicular to the landing.

The edge of the curb shall be flush with the edge of the adjacent pavement and gutter and surface slopes that meet grade breaks shall also be flush.

Ramp landings shall be 4' min. x 4' min. with a 64:1 or flatter cross slope and running slope.

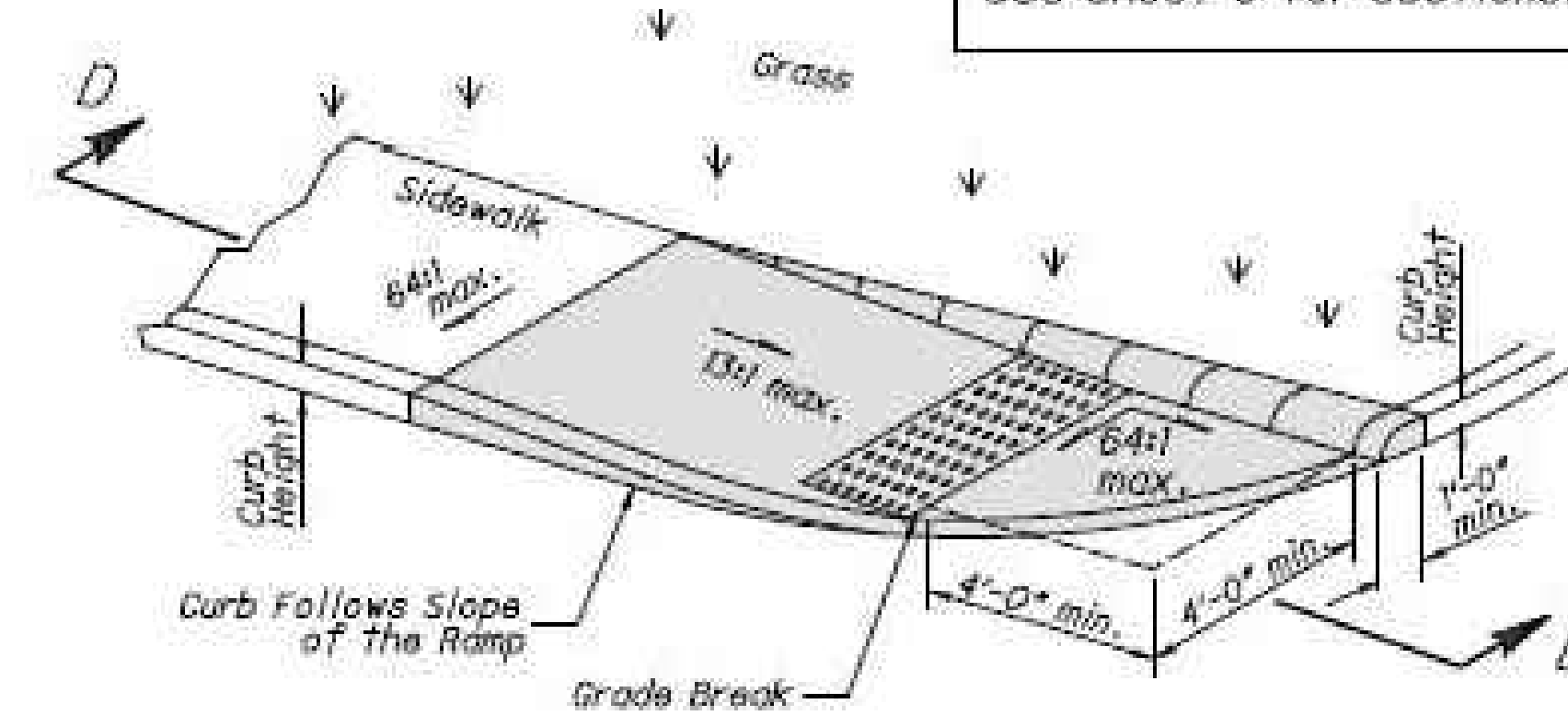
DETECTABLE WARNINGS: Install Detectable Warnings on each curb ramp with approved materials, as shown on Sheet 3. Install these proprietary products as per manufacturer's written instructions.

DRAINAGE: Contractor is to ensure the base of each constructed curb ramp allows for proper drainage, without exceeding allowable cross slope or ramp slopes. Vertical change in level exceeding 1/8" between the 1) pavement and gutter, and 2) gutter and ramp, are not allowed.

SURFACE TEXTURE: Texture concrete surfaces by coarse brooming transverse to the ramp slopes to be rougher than the adjacent walk.

JOINTS: Provide expansion joints in the curb ramp as extensions of walk joints and consistent with Item 608.03 requirements for a new concrete walk. Provide a 1/2" Item 105.03 expansion joint filler around the edge of ramps built in existing concrete walks. Lines shown on this drawing indicate the ramp edges and slope changes, and do not necessarily indicate joint lines.

See Sheet 3 for Sections.



Type B3 (Single sided Parallel)

THIS DRAWING REPLACES BP-7.1 DATED 7-20-2018.

STANDARD ROADWAY CONSTRUCTION DRAWING
NEW CURB RAMP
(with Detectable Warnings)

SDO NUMBER
BP-7.1

2 / 3

STATE OF OHIO DEPARTMENT OF
TRANSPORTATION ADMINISTRATOR
Brenton Bogard

SDOS
ENGINEER
D. Fisher

REVISION DATE
1-21-2022

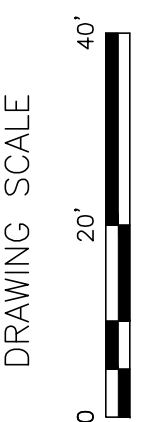
DATE: 2/13/2023
PROJECT ID #: P401262983

RESTORATION

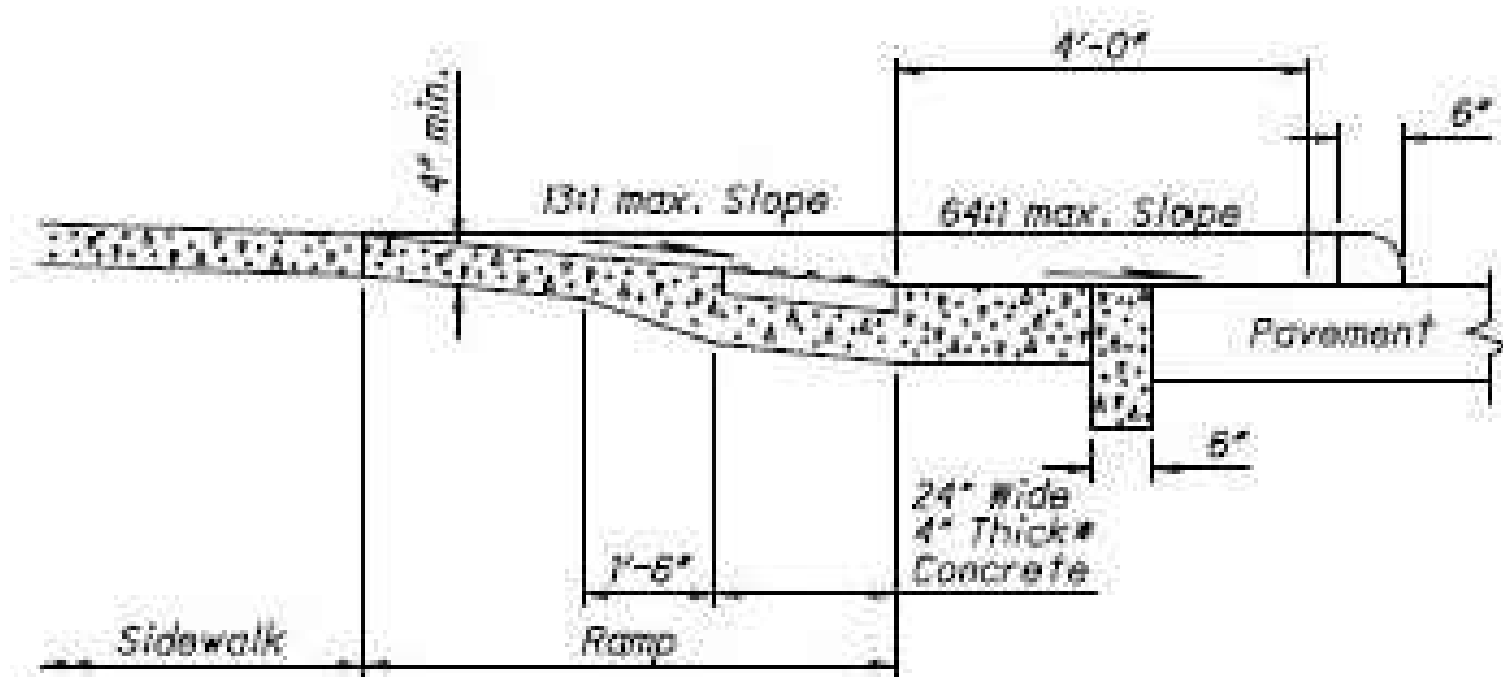
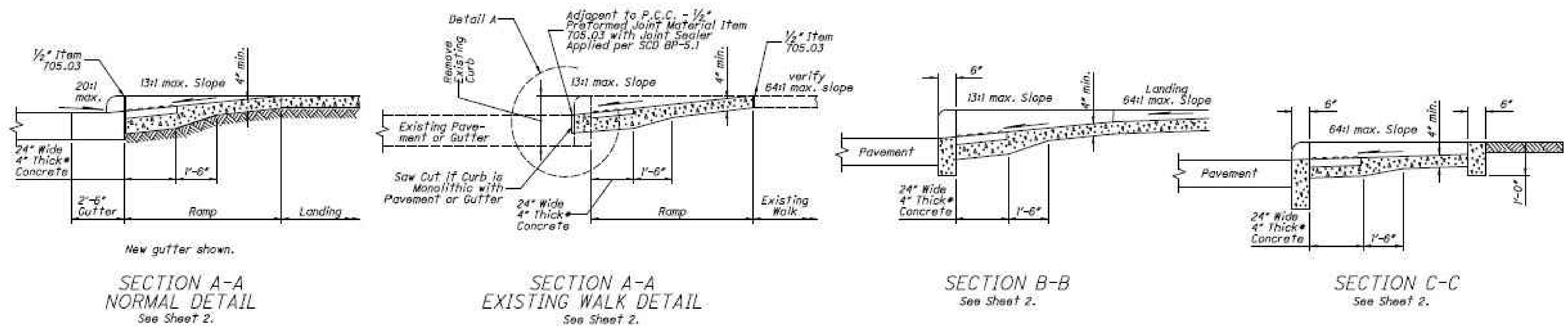
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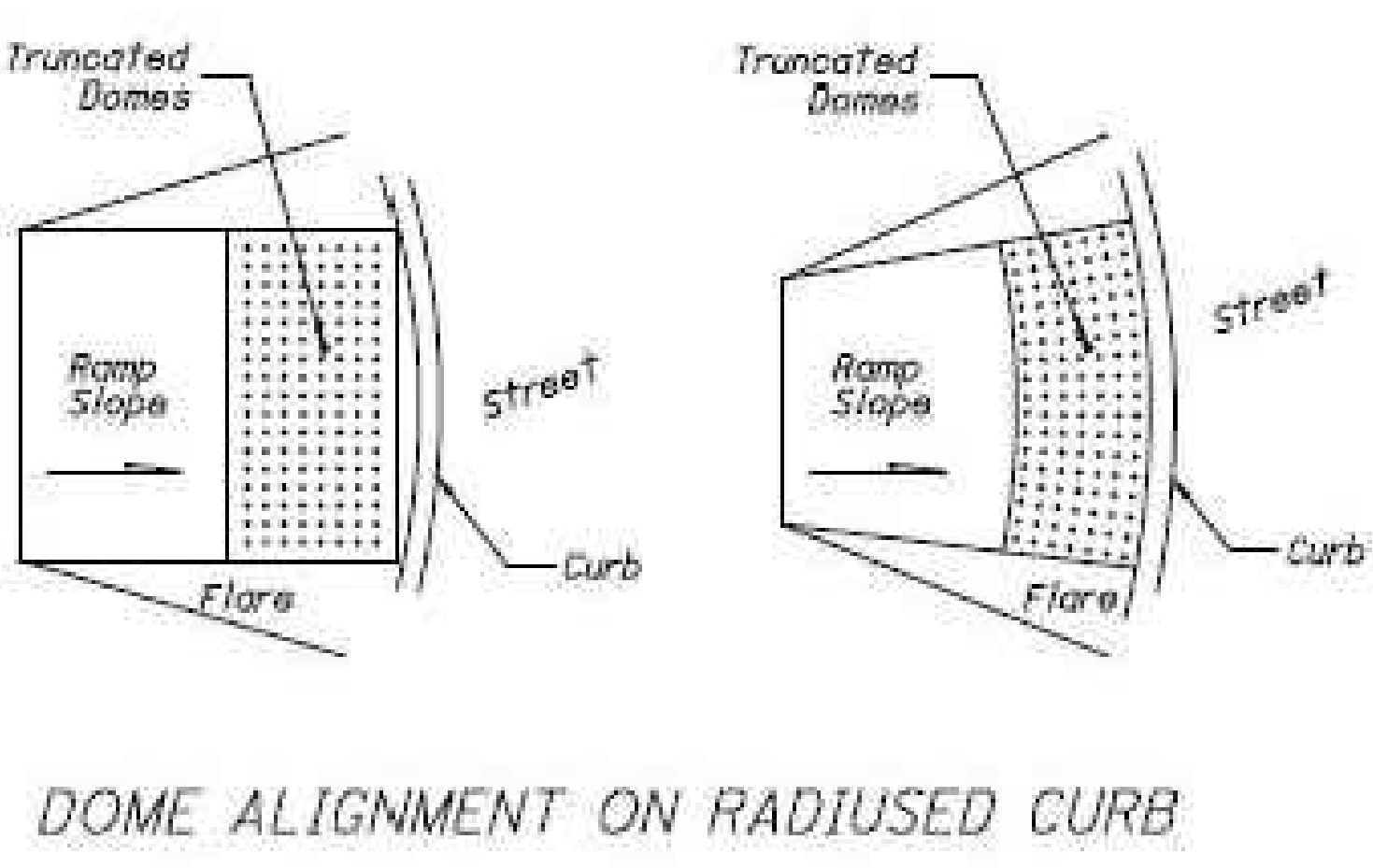
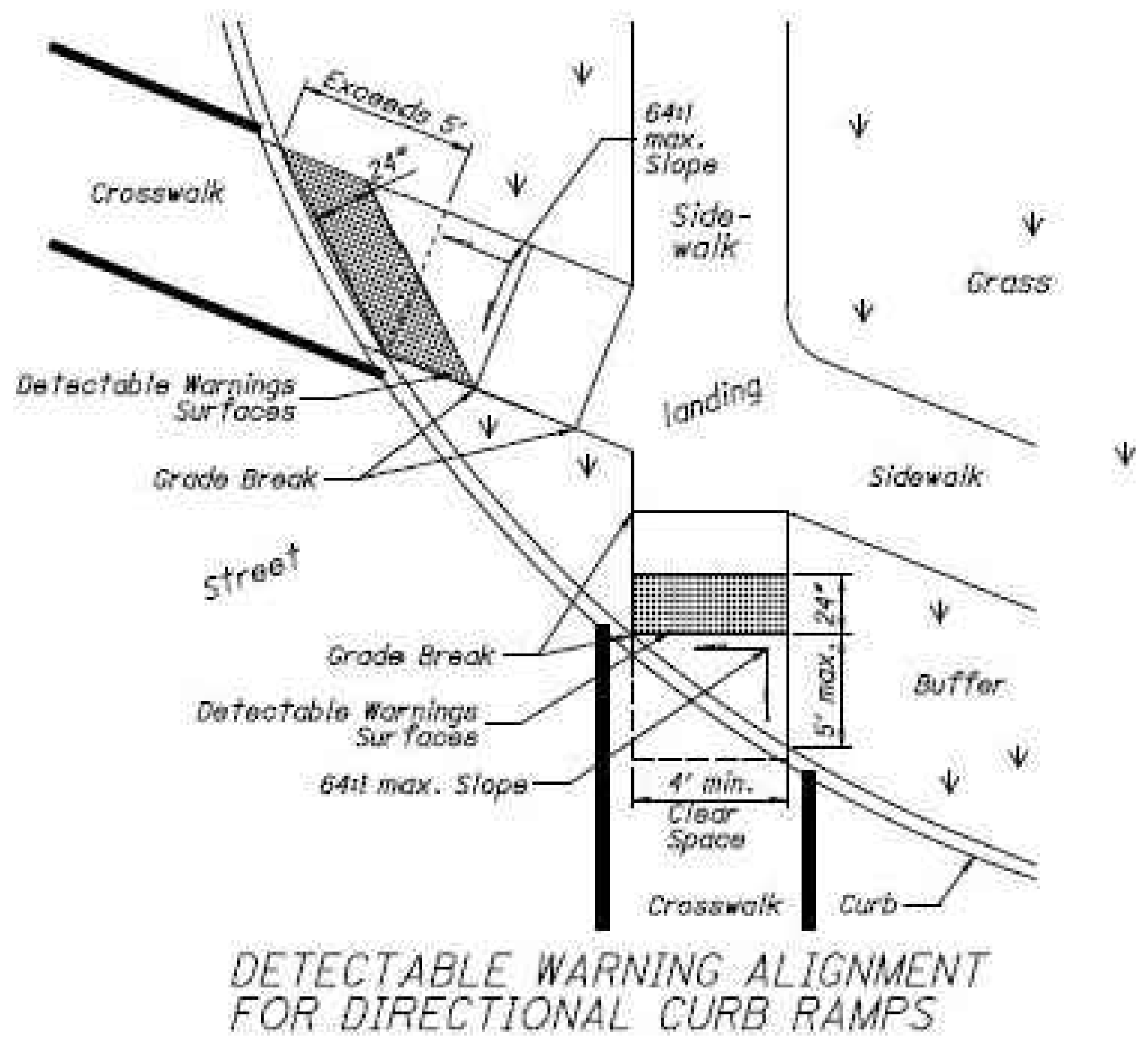
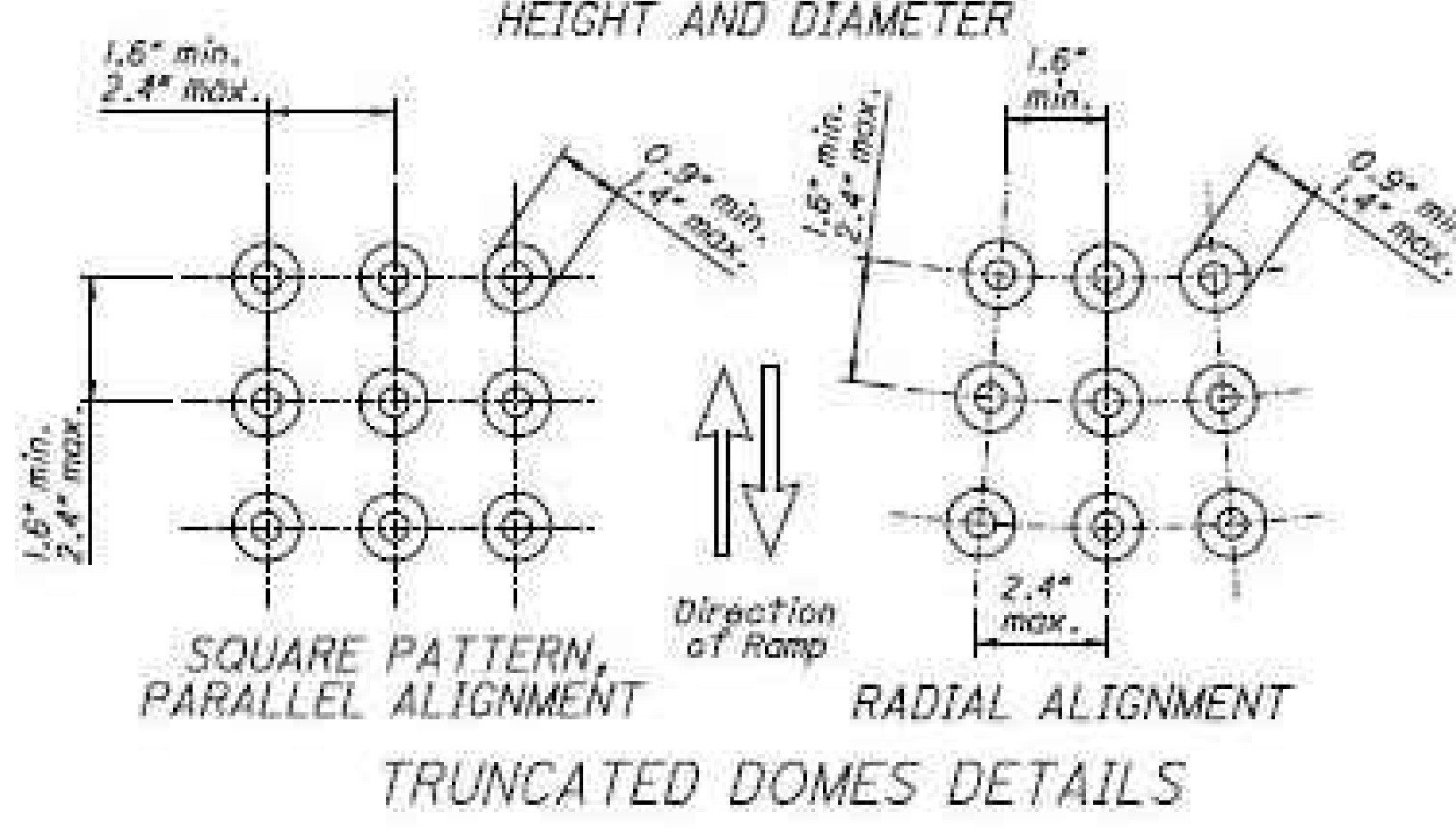
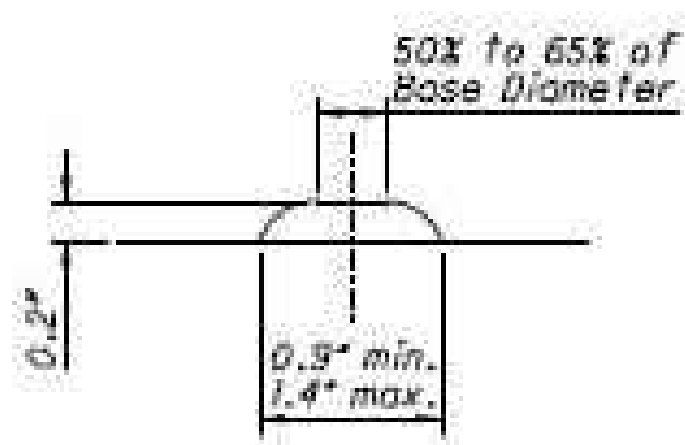
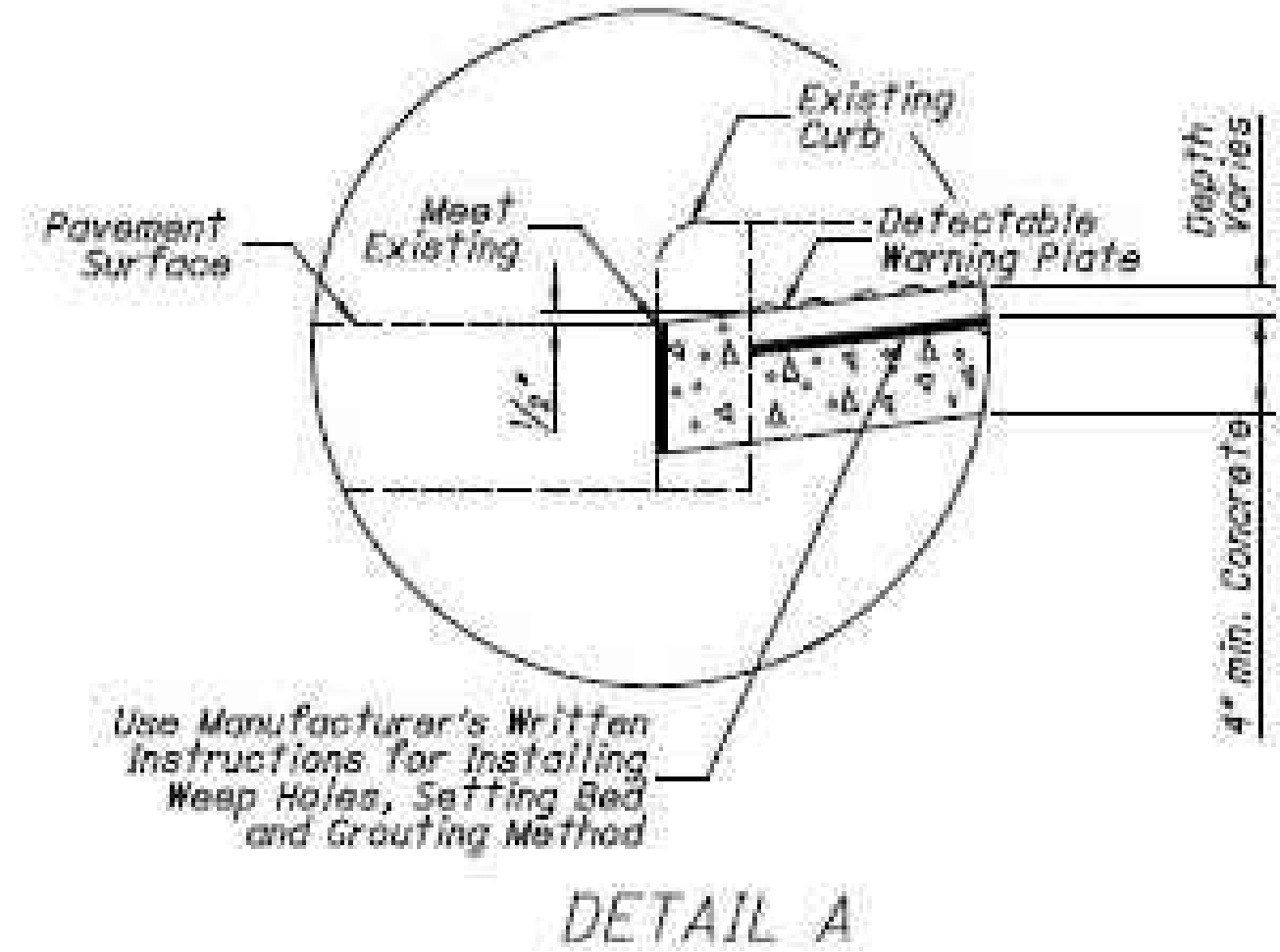
REV	DESCRIPTION	DATE	BY



THE OWNER DOES NOT WARRANT THE ACCURACY, SUFFICIENCY, OR COMPLETENESS OF THIS DRAWING OR MAP FOR ANY PURPOSE, AND RELIANCE HEREON AND USE HEREOF IS AT THE RISK OF THE USER, WHO AGREES TO HOLD HARMLESS AND INDEMNIFY THE OWNER AGAINST ANY AND ALL LIABILITY IN CONNECTION WITH ITS USE.



SECTION D-D
See Sheet 2.
*Where possible, pour ramp area integral with the curb, otherwise use 6\"/>



DETECTABLE WARNINGS NOTES

GENERAL: Detectable Warnings are a distinctive surface pattern of truncated domes which are detectable by cane or underfoot to alert people with vision impairments of their approach to streets and hazardous drop-offs.

PLACEMENT: Detectable warnings are to be installed at any location where pedestrians might cross paths with vehicular traffic lanes, such as the base of curb ramps or at blended curbs. A 24\"/>

Some detectable warning products require a concrete border for proper installation. The concrete border should not exceed 2\"/>

The depth of concrete underneath detectable warning products shall be a minimum of 4\"/>

ALIGNMENT: Truncated domes should be aligned with the primary direction of the ramp as shown on the DETECTABLE WARNING ALIGNMENT Detail. Normally the detectable warnings should be flush with the back of the curb, but for skewed conditions see DETECTABLE WARNING ALIGNMENT Detail. For non-standard layouts, detectable warning materials may have to be mitered and placed segmentally.

PRODUCTS & COLORS: Color of the detectable warnings should contrast with surrounding concrete walk and ramp. Black is not an acceptable color. Approved products and guidance on color may be found on the Office of Roadway Engineering Service's Detectable Warnings Approved List. Install products as per manufacturer's printed instructions.

DATE: 2/13/2023	PROJECT ID #: P401262983	SCD NUMBER: BP-7.1	STANDARD ROADWAY CONSTRUCTION DRAWING: NEW CURB RAMPS (with Detectable Warnings)	OFFICE OF ROADWAY ENGINEERING	ENGINEER: D. Fisher	STATE OF OHIO DEPARTMENT OF TRANSPORTATION ADMINISTRATION	DESIGNER: Brenton Bagard	REVISION DATE: 1-21-2022
THIS DRAWING REPLACES BP-7.1 DATED 7-20-2018.								
3 / 3								

NORTH

DRAWING SCALE: 0 20 40'

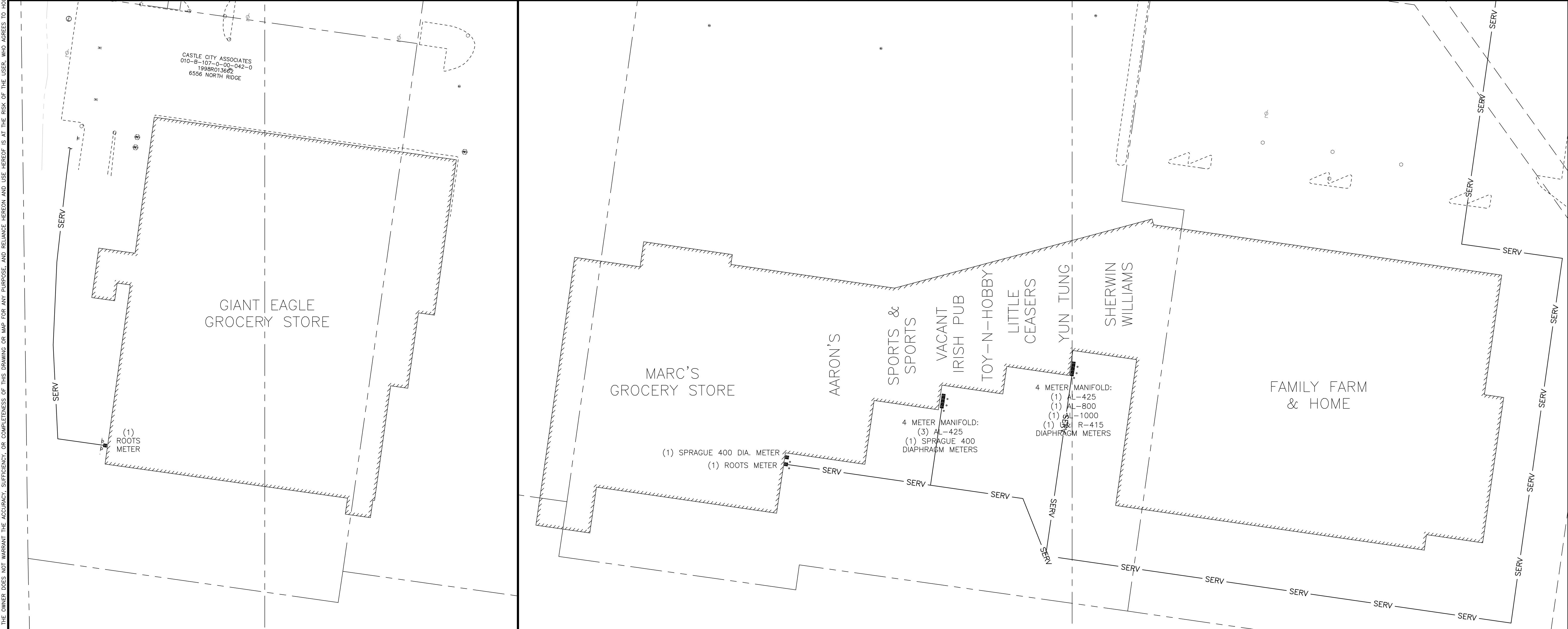
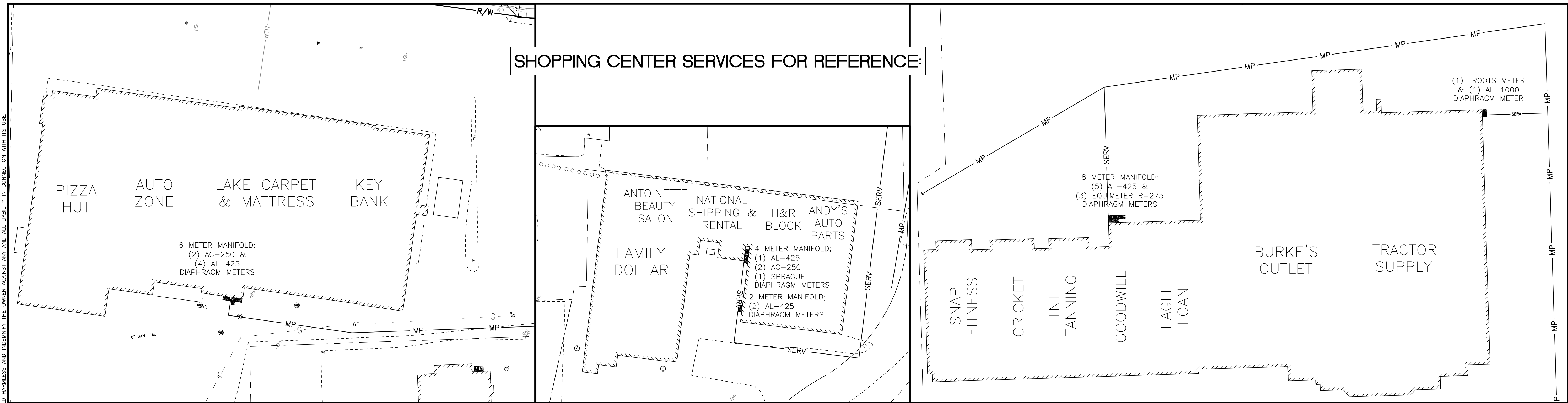
REV. DATE BY DESCRIPTION

Restoration


ODOT LAK-20-24.99

Dominion Energy

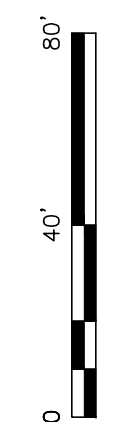
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SHOPPING CENTER SERVICES FOR REFERENCE:




NORTH



DRAWING SCALE

REV	DESCRIPTION	DATE	BY



Dominion Energy

ODOT LAK-20-24.99

RESTORATION

DATE: 2/13/2023
PROJECT ID #: P401262983

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