CITY OF ANN ARBOR
ENGINEERING

NOTES:

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH PUBLIC ACT 174 OF 2013, THE CONTRACTOR SHALL CALL 811 OR 1-800-482-7171 A MINIMUM OF THREE FULL WORKING DAYS, EXCLUDING SATURDAYS, SUNDAYS, AND HOLIDAYS, PRIOR TO BEGINNING EACH EXCAVATION IN AREAS WHERE PUBLIC UTILITIES HAVE NOT BEEN PREVIOUSLY LOCATED. MEMBERS WILL THUS BE ROUTINELY NOTIFIED. THIS DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF NOTIFYING UTILITY OWNERS WHO MAY NOT BE A PART OF THE "MISS DIG" ALERT SYSTEM.

THE UNDERGROUND LOCATIONS SHOWN FOR NATURAL GAS, TELEPHONE, ELECTRICAL POWER, CABLE TV AND FIBER OPTIC LINES ARE APPROXIMATE. THE CITY OF ANN ARBOR ASSUMES NO RESPONSIBILITY FOR THEIR ACCURATE REPRESENTATION IN THIS DRAWING. MISS DIG MUST BE CONTACTED PRIOR TO CONSTRUCTION TO LOCATE THESE UTILITIES.

THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE 1994 EDITION OF THE CITY OF ANN ARBOR PUBLIC SERVICES DEPARTMENT STANDARD SPECIFICATIONS, ITS DETAILS, WHICH ARE INCLUDED BY REFERENCE, AND THIS PROJECT'S CONTRACT DOCUMENTS. THE OMISSION OF ANY CURRENT STANDARD DETAIL DOES NOT RELIEVE THE CONTRACTOR FROM THIS REQUIREMENT.

2022 VALVE REPLACEMENT PROJECT

BID No. BID NO, FILE No. 2022023

SHEET LIST TABLE	
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1	COVER SHEET
2	MAINTAINING TRAFFIC TYPICALS
3 - 6	ALTERNATE PEDESTRIAN ROUTE DETAILS
7 - 21	S MAPLE AREA
22 - 26	N MAIN STREET
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42 - 45	TRAVER ROAD
46 - 51	SUNSET RD & NEWPORT RD
52 - 55	HURON PARKWAY
56 - 60	DORCHESTER ROAD
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80 - 89	PLATT ROAD
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108 - 112	SUMMIT STREET



VICINITY MAP

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PREPARED UNDER THE SUPERVISION OF

IGOR V. KOTLYAR, P.E. - MI LICENSE No. 43287
PROJECT ENGINEER

/ /2021
DATE

STATE OF MICHIGAN
IGOR V. KOTLYAR
ENGINEER
No. 6201043287
LICENSED PROFESSIONAL ENGINEER

SCALE

DRAWING No. 2022023-1

SHEET No.
1 OF 112

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MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	LANE SHIFT ON A 3-LANE UNDIVIDED ROADWAY	DATE: MAY 2021
FILE: 137-CLT-SHIFT-OLC.dgn		NO: 137-CLT-SHIFT-OLC		SHEET: 1 OF 1

MDOT Michigan Department of Transportation	NOT TO SCALE	MAINTAINING TRAFFIC TYPICAL	LANE CLOSURE UTILIZING TRAFFIC REGULATORS ON A 2-LANE UNDIVIDED ROADWAY	DATE: MAY 2021
FILE: 110-TR-NFW-2L.dgn		NO: 110-TR-NFW-2L		SHEET: 1 OF 1

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE : N.T.S.

DRAWING No. 2022023-2

SHEET No. 2 OF 112

2022 VALVE REPLACEMENT PROJECT

MAINTAINING TRAFFIC TYPICALS

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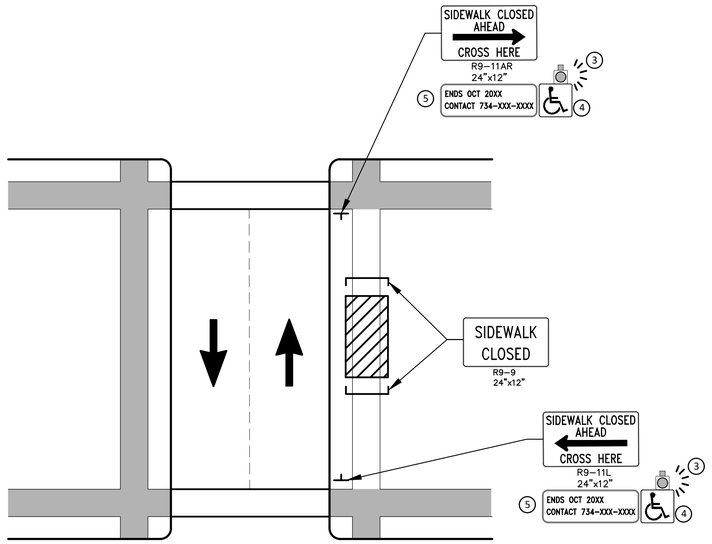
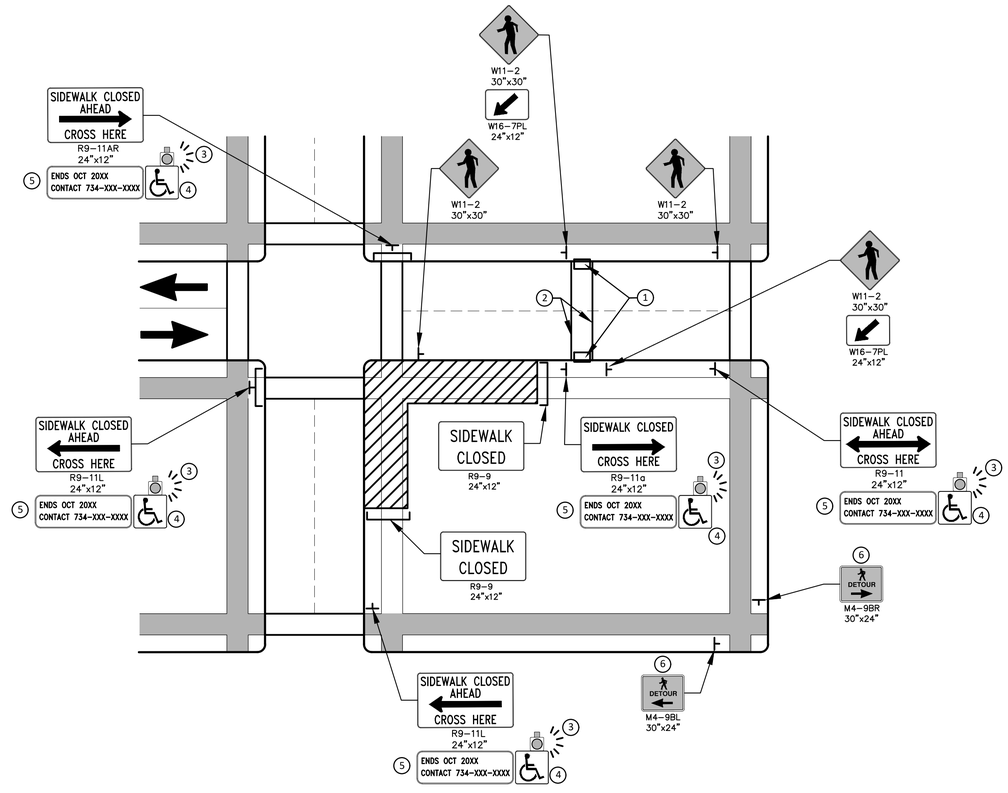


PEDESTRIAN DETOUR USING OPPOSITE SIDE OF STREET



OTHER SIDE OF STREET DETOUR OR DETOUR WITH TRAILBLAZING SIGNS
(FOR CORNER SIDEWALK CLOSURE WITH OPTIONAL TEMPORARY CROSSWALK)

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, THE CONTRACTOR SHALL PROVIDE DETECTABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE AN ALTERNATE PEDESTRIAN ROUTE (APR) AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

PROVIDE A SMOOTH, CONTINUOUS, HARD SURFACE THROUGH THE LENGTH OF THE APR. COMPACTED GRAVEL, AGGREGATE, OR SLAG MATERIALS ARE NOT ALLOWED. PROVIDE A FIRM, STABLE, AND SLIP RESISTANT TEMPORARY WALKWAY SURFACE TO COVER SHORT SEGMENTS OF ROUGH, SOFT, OR UNEVEN GROUND.

THE PEDESTRIAN TRAFFIC SIGNALS CONTROLLING CLOSED CROSSWALKS SHALL BE COVERED OR DEACTIVATED BY THE CITY OF ANN ARBOR. THE CONTRACTOR SHALL SCHEDULE AND COORDINATE THIS WORK WITH THE ENGINEER A MINIMUM OF 72 HOURS (NOT INCLUDING WEEKENDS & HOLIDAYS) PRIOR TO THE BEGINNING OF WORK THAT REQUIRES A SIDEWALK CLOSURE.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

WHEN THE ENGINEER DETERMINES THAT THE CONTRACTOR'S OPERATIONS OR PLACEMENT OF TRAFFIC CONTROL DEVICES HAS CAUSED A SITUATION THAT THE VISIBILITY OF IS REDUCED ENOUGH TO CREATE A HAZARD, THE TRAFFIC CONTROL DEVICES SHALL BE DELINEATED WITH FLAGS OR OTHER ENGINEER-APPROVED DEVICES AT NO ADDITIONAL COST TO THE PROJECT.

MINIMIZE DISRUPTION TO PEDESTRIANS TO THE MAXIMUM EXTENT FEASIBLE BY PROVIDING AN APR IN THE FOLLOWING ORDER OF PREFERENCE:

1. PROVIDE THE APR ON THE SAME SIDE OF THE STREET AS THE DISRUPTED ROUTE UTILIZING BYPASSES.
2. WHERE IT IS NOT FEASIBLE TO PROVIDE A SAME SIDE APR, PROVIDE A DETOUR ON THE OTHER SIDE OF THE STREET.
3. WHERE IT IS NOT FEASIBLE TO PROVIDE AN APR ON THE OTHER SIDE OF THE ROADWAY, PROVIDE AN APR DETOUR WITH TRAILBLAZING SIGNS AS SHOWN ON THE PROJECT PLANS.

SPECIFIC NOTES

(1) TEMPORARY CURB RAMPS WITH DETECTABLE WARNINGS.

(2) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.

(3) AN APPROVED AUDIBLE MESSAGE DEVICE OR TACTILE MESSAGE SHALL BE PROVIDED FOR SIGHT-IMPAIRED PEDESTRIANS.

(4) THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHOULD BE DISPLAYED WHEN ANY WALKWAY THROUGH A WORK ZONE HAS BEEN DETERMINED TO BE TPAR COMPLIANT. THE SYMBOL OF ACCESSIBILITY SHALL NOT BE DISPLAYED IF PERSONS WITH DISABILITIES SHOULD NOT USE THE PRIMARY TEMPORARY PEDESTRIAN DETOUR. THE REASON FOR THE NON-COMPLIANCE SHALL BE POSTED AND AN ALTERNATE ROUTE SHALL BE POSTED WHEN THE PRIMARY TEMPORARY PEDESTRIAN DETOUR IS NON-COMPLIANT TO TPAR STANDARDS.

(5) TYPICAL SIGN MESSAGE FOR A TEMPORARY PEDESTRIAN DETOUR SHALL INCLUDE INFORMATION SUCH AS THE DURATION OF THE WALKWAY RESTRICTIONS (BEGINNING AND/OR END DATES) AND A PROJECT CONTACT NUMBER FOR 24 / 7 QUESTIONS OR REPORTING HAZARDS.

(6) PEDESTRIAN DETOUR TRAILBLAZING SIGNS SHALL BE USED IF THE PEDESTRIAN DETOUR IS IN A LOCATION OTHER THAN ACROSS THE STREET FROM THE SIDEWALK CLOSURE.

PEDESTRIAN TEMPORARY TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN THROUGH MOVEMENTS FROM ONE END OF THE CONSTRUCTION AREA TO THE OTHER, ON AT LEAST ONE SIDE OF THE STREET DURING CONSTRUCTION. ANY SIDEWALK CLOSURES SHALL MEET THE REQUIREMENTS OF THE MMUTCD, PART 6.
2. PEDESTRIAN ACCESS SHALL BE PROVIDED TO ALL ADJACENT PROPERTIES, BUILDINGS, RESIDENCES AND COMMERCIAL PROPERTIES AT ALL TIMES. THIS MAY INCLUDE TEMPORARY WALKWAYS SPANNING THE CONSTRUCTION AREA.
3. IF SIDEWALKS ARE CLOSED, A TEMPORARY PEDESTRIAN ACCESS ROUTE (TPAR) SHALL BE PROVIDED ON THE SAME SIDE OF THE ROAD AS THE CLOSED SIDEWALK, IF POSSIBLE. SIGNS AND BARRICADES SHALL BE USED TO PROVIDE ADVANCE NOTICE OF THE CLOSURE AND THE ROUTE OF ANY PEDESTRIAN DETOURS. THE TPAR SHALL HAVE A MINIMUM UNOBSTRUCTED WIDTH OF 4 FEET. IF THE TPAR IS LESS THAN 5 FEET IN WIDTH, A 5 FOOT BY 5 FOOT PASSING SPACE SHALL BE PROVIDED AT LEAST EVERY 200 FEET. THE SURFACE OF THE TPAR SHALL BE SMOOTH AND CONTINUOUS FOR THE LENGTH OF THE TPAR. THE TPAR SHALL MAINTAIN THE SAME LEVEL OF ACCESSIBILITY AND DETECTABILITY AS THE FACILITY THAT IS BEING CLOSED. THE TPAR SHALL NOT LEAD PEDESTRIANS INTO CONFLICTS WITH VEHICLES, EQUIPMENT, OR CONSTRUCTION OPERATIONS.
4. IF THE TPAR IS ADJACENT TO MOVING TRAFFIC, CONSTRUCTION OPERATIONS/EQUIPMENT, OR DROP-OFFS, THEN CRASH WORTHY CHANNELIZING DEVICES THAT MEET THE REQUIREMENTS OF NCHRP 350 AND THE MMUTCD SHALL BE USED.
5. THE CONTRACTOR SHALL NOT STORE OR PLACE ANY CONSTRUCTION MATERIALS, EQUIPMENT OR SIGNS IN THE PEDESTRIAN PATH OF TRAVEL.
6. THE CONTRACTOR'S OPERATIONS SHALL NOT OCCUPY SIDEWALKS EXCEPT WHERE PROPER PROTECTION AND A TPAR HAVE BEEN PROVIDED.
7. WHEN DIRECTED BY THE ENGINEER, OR STATED ON THE PLANS, THE CONTRACTOR SHALL PROVIDE A TEMPORARY PEDESTRIAN TRAFFIC CONTROL PLAN FOR REVIEW AND WRITTEN APPROVAL BY THE ENGINEER A MINIMUM OF THREE WEEKS BEFORE SUCH PLAN IS IMPLEMENTED. THIS PLAN SHALL DETAIL THE CONSTRUCTION PHASING AND SCHEDULE AND THE SPECIFIC METHODS OF MAINTAINING SAFE PEDESTRIAN ACCESS THROUGHOUT THE CONSTRUCTION AREA. THIS PLAN SHALL PROVIDE THE LOCATION AND DETAILS OF TEMPORARY CONSTRUCTION SIGNING, MARKINGS, BARRICADES, CHANNELIZING DEVICES, TPARS AND METHODS TO MAINTAIN ACCESS TO ADJACENT PROPERTIES, BUSINESSES, RESIDENCES, ETC. NO WORK SHALL BE ALLOWED TO BEGIN UNTIL THIS PLAN IS APPROVED BY THE ENGINEER IN WRITING.

LEGEND

- SIGN
- EXISTING PEDESTRIAN SURFACE
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- BARRIER
- SIDEWALK BARRICADE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DEVICE

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

2022 VALVE REPLACEMENT PROJECT

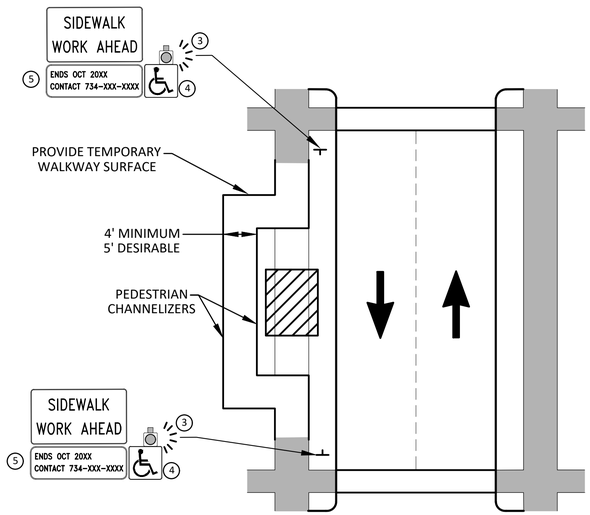
ALTERNATE PEDESTRIAN ROUTE (APR) DETOUR

SCALE : N.T.S.

DRAWING No. 2022023-3

SHEET No. 3 OF 112

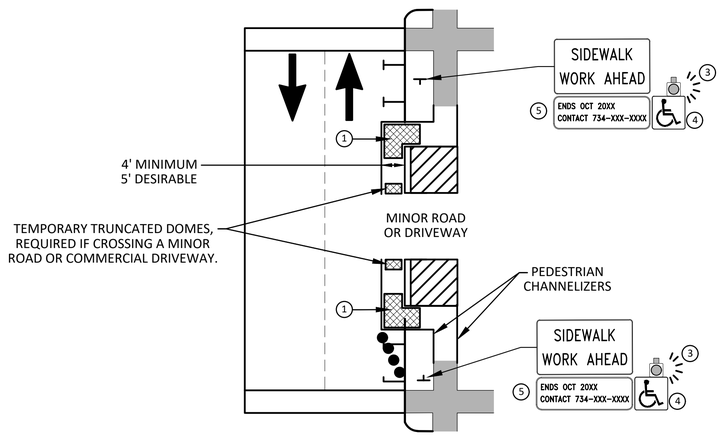
R:\2022023 Valve Replacement Project\Plan Production\2022023det.dwg Dwg Created: 22-Nov-21 - _a2 standard bw.stb - Plot Date: 6-Dec-21



BYPASS ON ADJACENT AVAILABLE RIGHT OF WAY

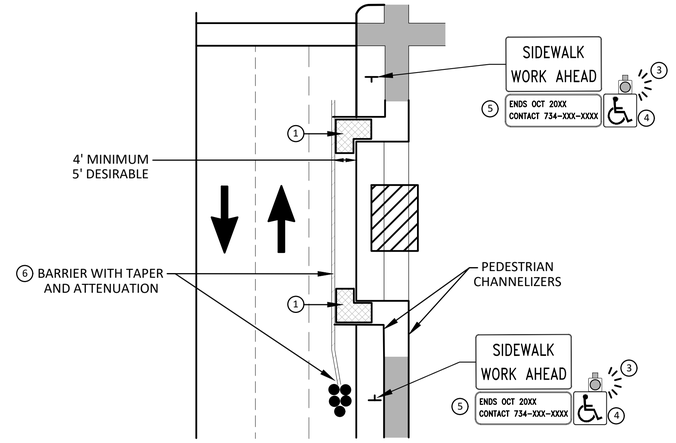
BYPASS TYPE A

NOTE: MAY ONLY BE USED ON ROADWAY WITH POSTED SPEED OF 45 MPH OR LESS.



SIDEWALK BYPASS USING PARKING OR SHOULDER ON LOW SPEED ROADWAY

BYPASS TYPE B



SIDEWALK BYPASS USING SHOULDER OR PARKING LANE ON HIGH SPEED ROADWAY

BYPASS TYPE C

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, THE CONTRACTOR SHALL PROVIDE DETECTABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

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3. WHERE IT IS NOT FEASIBLE TO PROVIDE AN APR ON THE OTHER SIDE OF THE ROADWAY, PROVIDE AN APR DETOUR WITH TRAILBLAZING SIGNS AS SHOWN ON THE PROJECT PLANS.

SPECIFIC NOTES

(1) TEMPORARY CURB RAMPS WITH DETECTABLE WARNINGS.

(2) 5 DEVICE TAPER 25 FEET LONG, RECOMMENDED WHEN THE CLOSED AREA WAS USED AS AN INTERMITTENT TRAFFIC LANE OR BYPASS LANE. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.

(3) AN APPROVED AUDIBLE MESSAGE DEVICE OR TACTILE MESSAGE SHOULD BE PROVIDED FOR SIGHT-IMPAIRED PEDESTRIANS.

(4) THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE DISPLAYED WHEN ANY WALKWAY THROUGH A WORK ZONE HAS BEEN DETERMINED TO BE TPAR COMPLIANT. THE SYMBOL OF ACCESSIBILITY SHALL NOT BE DISPLAYED IF PERSONS WITH DISABILITIES SHOULD NOT USE THE PRIMARY TEMPORARY PEDESTRIAN DETOUR. THE REASON FOR THE NON-COMPLIANCE SHALL BE POSTED AND AN ALTERNATE ROUTE SHALL BE POSTED WHEN THE PRIMARY TEMPORARY PEDESTRIAN DETOUR IS NON-COMPLIANT TO TPAR STANDARDS.

(5) TYPICAL SIGN MESSAGE FOR A TEMPORARY PEDESTRIAN DETOUR SHALL INCLUDE INFORMATION SUCH AS THE DURATION OF THE WALKWAY RESTRICTIONS (BEGINNING AND/OR END DATES) AND A PROJECT CONTACT NUMBER FOR 24 / 7 QUESTIONS OR REPORTING HAZARDS.

(6) SEE MMUTCD FOR GUIDANCE ON PLACEMENT AND USAGE OF BARRIER.

LEGEND

- SIGN
- EXISTING PEDESTRIAN SURFACE
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- BARRIER
- SIDEWALK BARRICADE
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DEVICE

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2022 VALVE REPLACEMENT PROJECT

ALTERNATE PEDESTRIAN ROUTE (APR) BYPASS

SCALE : N.T.S.

DRAWING No. 2022023-4

SHEET No. 4 OF 112

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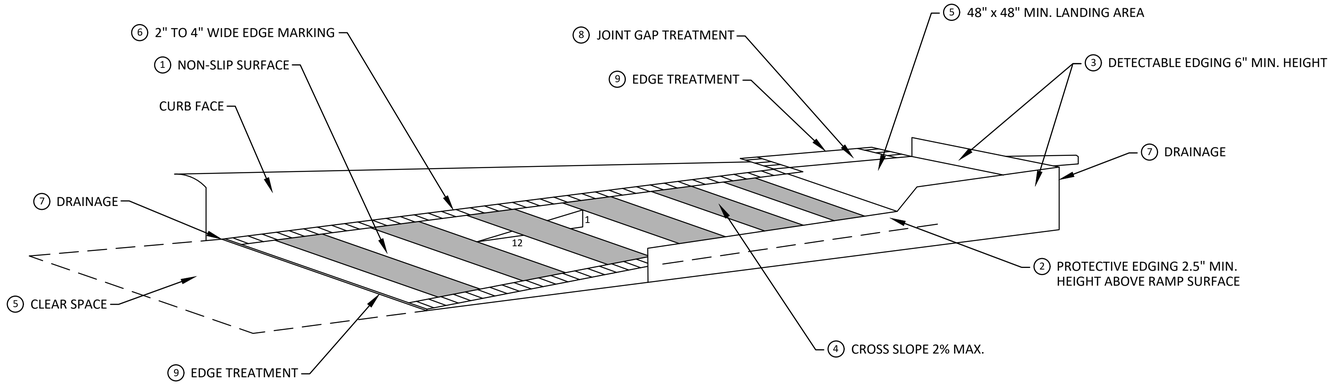
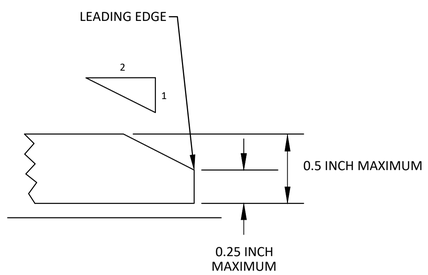


TEMPORARY CURB RAMP
PARALLEL TO CURB

SPECIFIC NOTES

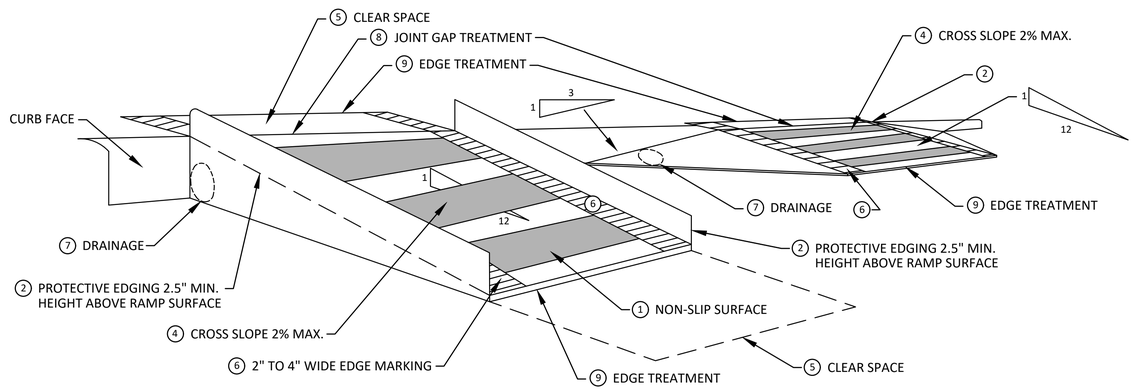
1. CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.
2. PROTECTIVE EDGING WITH A 2.5" MIN. HEIGHT ABOVE THE RAMP SHALL BE PLACED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3. PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
3. DETECTABLE EDGING ANYTIME A HANDRAIL IS REQUIRED, AND ANYTIME THE PATH CHANGES DIRECTION. THIS INCLUDES A TURN ONTO THE RAMP FROM THE PATH. DETECTABLE EDGING MUST BEGIN A MAXIMUM OF 2.5" ABOVE THE RAMP SURFACE, AND EXTEND AT LEAST 6" ABOVE THE RAMP SURFACE. CONTRASTING COLOR SHALL BE PLACED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
4. CURB RAMPS AND LANDINGS SHALL HAVE A 2% MAX. CROSS SLOPE.
5. CLEAR SPACE OF 48" x 48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
6. THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A CONTRASTING COLOR, 2" TO 4" WIDE MARKING. THE MARKING IS OPTIONAL WHERE COLOR CONTRASTING EDGING IS USED.
7. WATER FLOW IN THE GUTTER SYSTEM SHALL NOT BE IMPEDED.
8. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.
9. CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHOULD BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2" HEIGHT.



9 EDGE TREATMENT

SHOWN WITH PROTECTIVE EDGE

SHOWN WITH SIDE APRON



TEMPORARY CURB RAMP
PERPENDICULAR TO CURB

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

2022 VALVE REPLACEMENT PROJECT

TPAR RAMPS

SCALE : N.T.S.

DRAWING No. 2022023-5

SHEET No. 5 OF 112

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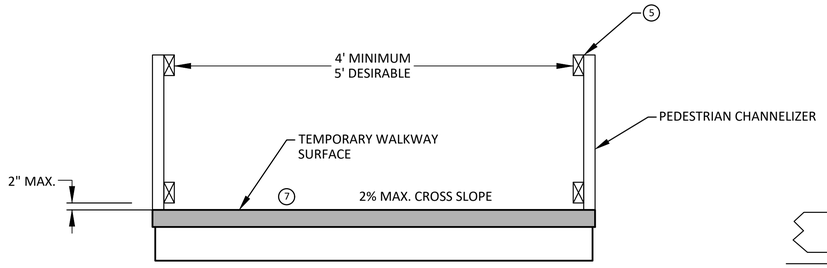
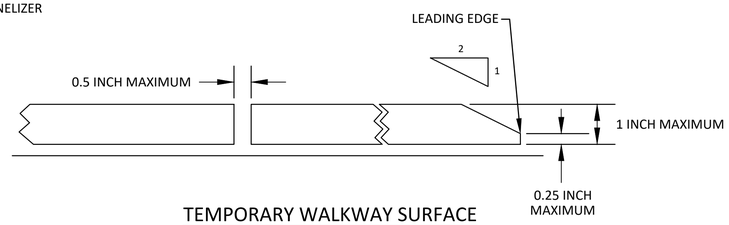
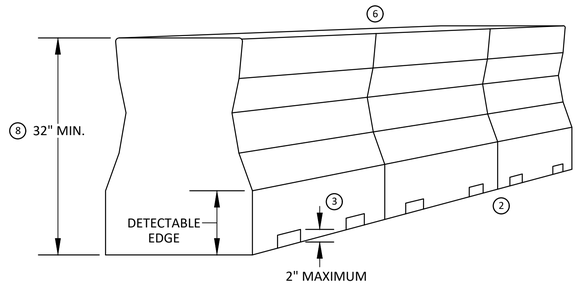


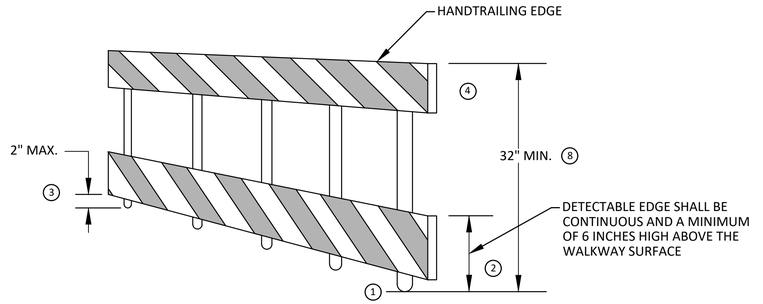
TEMPORARY PEDESTRIAN ACCESS



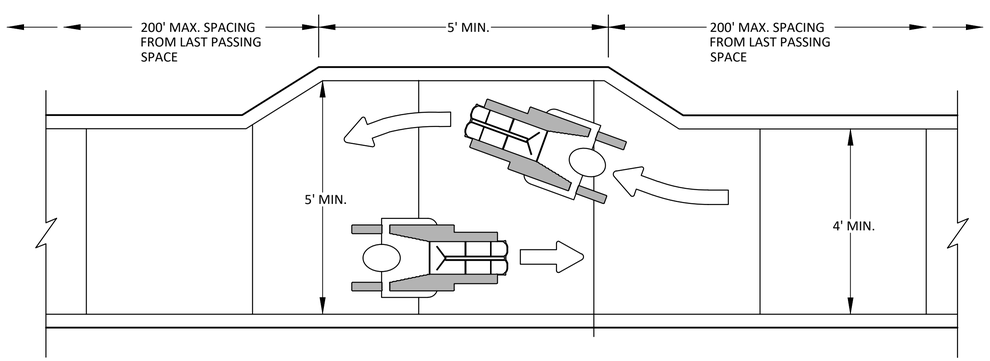
TEMPORARY WALKWAY SURFACE



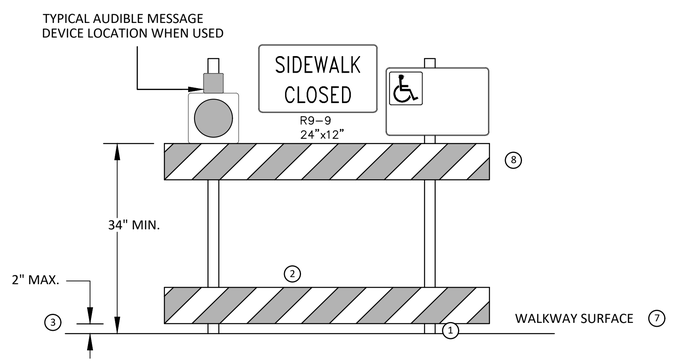
PEDESTRIAN CHANNELIZER USING A BARRIER (MINIMUM REQUIREMENTS)



PEDESTRIAN CHANNELIZER (MINIMUM REQUIREMENTS)



NARROW TEMPORARY PEDESTRIAN ACCESS ROUTE PASSING DETAIL



SIDEWALK BARRICADE

GENERAL NOTES

RAILINGS OR OTHER OBJECTS MAY PROTRUDE A MAXIMUM OF 4 INCHES INTO THE WALKWAY CLEAR SPACE WHEN LOCATED A MINIMUM OF 27 INCHES ABOVE THE WALKWAY SURFACE.

ANY PEDESTRIAN DEVICES USED TO PROVIDE POSITIVE PROTECTION FOR PEDESTRIANS OR WORKERS SHALL MEET NCHRP 350 CRASHWORTHY REQUIREMENTS APPROPRIATE FOR THE BARRIER'S APPLICATION.

BARRICADES SHALL BE PLACED CONTINUOUSLY ACROSS THE ENTIRE WIDTH OF THE WALKWAY SURFACE BEING CLOSED.

SPECIFIC NOTES

1. ANY TRIPPING HAZARD IN THE WALKWAY NEEDS A DETECTABLE EDGE. BALLAST SHALL BE LOCATED BEHIND OR INTERNAL TO THE DEVICE. ANY SUPPORT ON THE FRONT OF THE DEVICE SHALL NOT EXTEND INTO THE 48 INCH MINIMUM WALKWAY CLEAR SPACE AND SHALL NOT EXCEED 0.5 INCHES IN HEIGHT ABOVE THE WALKWAY SURFACE.
2. DETECTABLE EDGES SHALL BE CONTINUOUS AND A MINIMUM OF 6 INCHES IN HEIGHT ABOVE WALKWAY SURFACE AND HAVE COLOR MARKINGS CONTRASTING WITH THE WALKWAY SURFACE.
3. DEVICES SHALL NOT BLOCK WATER DRAINAGE FROM THE WALKWAY. A GAP HEIGHT OR OPENING FROM THE WALKWAY SURFACE UP TO A MAXIMUM OF 2 INCHES IS ALLOWED FOR DRAINAGE PURPOSES.
4. PROVIDE A HANDRAIL ON BOTH SIDES OF THE RAMP IF THE RAMP IS NOT EXPOSED TO VEHICLE TRAFFIC AND HAS A TOTAL RISE GREATER THAN 6 INCHES, AND A LENGTH GREATER THAN 72 INCHES.
   - ENSURE THE HANDRAIL IS 1.25 AND 1.5 INCHES WIDE AND CONFIGURED TO BE A "GRASPABLE" CROSS-SECTION.

   WHEN THE RAMP IS EXPOSED TO TRAFFIC, IN LIEU OF HANDRAILS, USE A PROTECTIVE EDGE 2.5 INCHES MINIMUM HEIGHT ABOVE THE RAMP SURFACE OR 1:10 FLARE ON BOTH SIDES OF THE RAMP.
5. ALL DEVICES SHALL BE FREE OF SHARP OR ROUGH EDGES, AND FASTENERS (BOLTS) SHALL BE ROUNDED TO PREVENT HARM TO HANDS, ARMS OR CLOTHING OF PEDESTRIANS.
6. ALL DEVICES USED TO CHANNELIZE PEDESTRIAN FLOW SHOULD INTERLOCK SUCH THAT GAPS DO NOT ALLOW PEDESTRIANS TO STRAY FROM THE INTENDED CHANNELIZED PATH.
7. A WALKWAY SURFACE SHALL BE FIRM, STABLE, AND SLIP RESISTANT. COMPACTED GRAVEL, AGGREGATE, OR SLAG MATERIALS ARE NOT ALLOWED.
8. LONGITUDINAL CHANNELIZING DEVICES FOR PEDESTRIANS SHALL BE 32 INCHES IN HEIGHT OR GREATER.

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	COPY TO NEXT LINE AND EDIT THE TEXT	DATE	BY	BY

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734.794.6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

2022 VALVE REPLACEMENT PROJECT

TPAR WALKWAY DEVICES

SCALE: N.T.S.

DRAWING No. 2022023-6

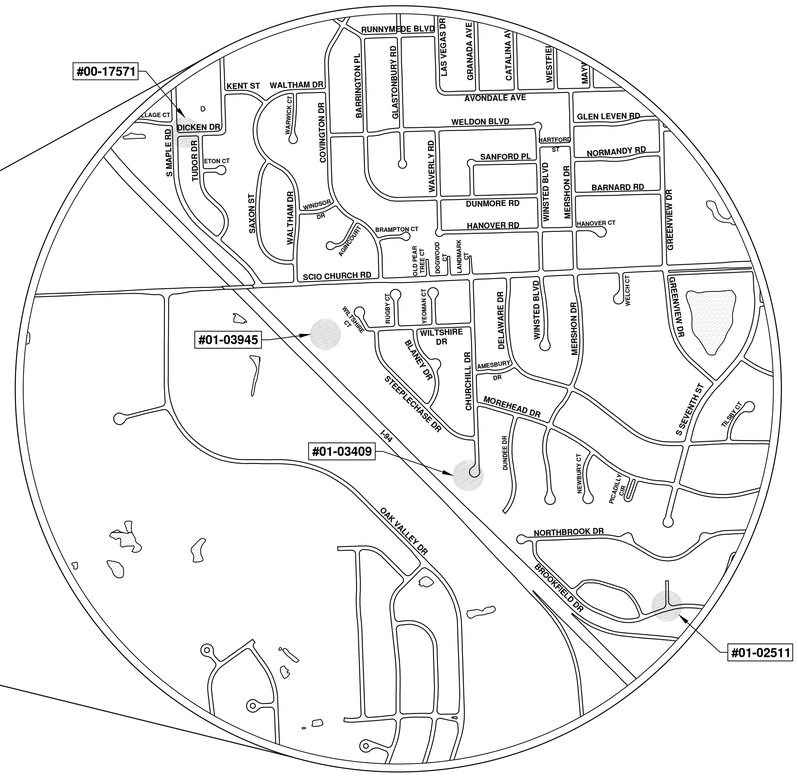
SHEET No. 6 OF 112

R:\2022023 Valve Replacement Project\Plan Production\2022023det.dwg Dwg Created: 22-Nov-21 - _a2 standard bw.stb - Plot Date: 6-Dec-21

2022 VALVE REPLACEMENT PROJECT

S MAPLE AREA

VICINITY MAP



SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
7	S MAPLE AREA
8	NEW VALVE
10	REPLACE 01-02511
14	REPLACE 01-02786
17	REPLACE 01-03409
19	REPLACE 01-03945

ENGINEERING
CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET, P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
734-794-6410 www.a2gov.org

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN BY	CHECKED BY
00	COPY TO NEXT LINE AND EDIT THE TEXT	DATE		

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

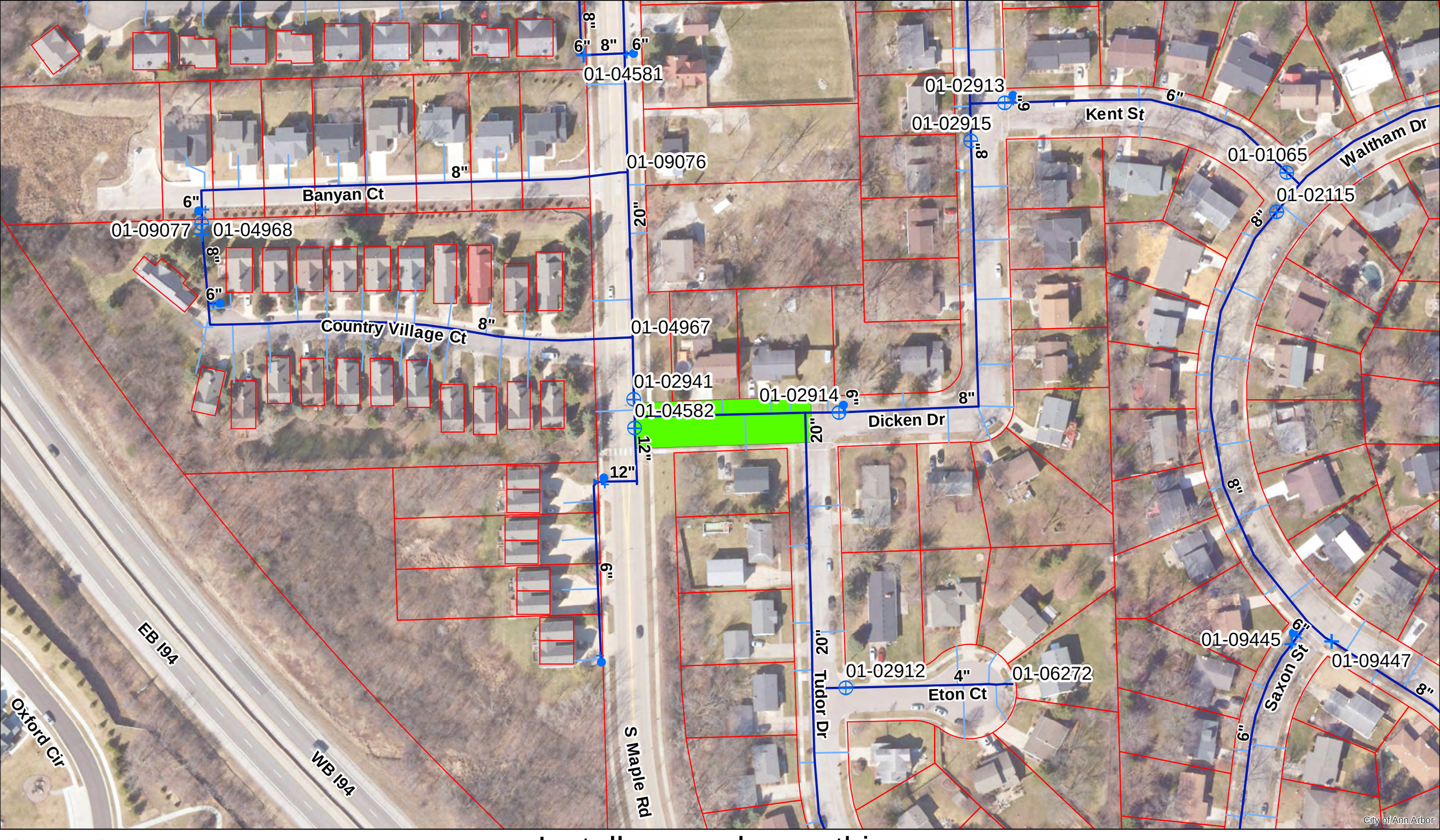
SCALE

DRAWING No. 2022023-7

SHEET No. 7 OF 112

© 2022 VALVE REPLACEMENT PROJECT; BID No. BID NO; 2022023

R:\2022023 Valve Replacement Project\Plan Production\2022023Cov.dwg — _a2 standard bw.stb — Plot Date: 12/6/2021 3:23:29 PM



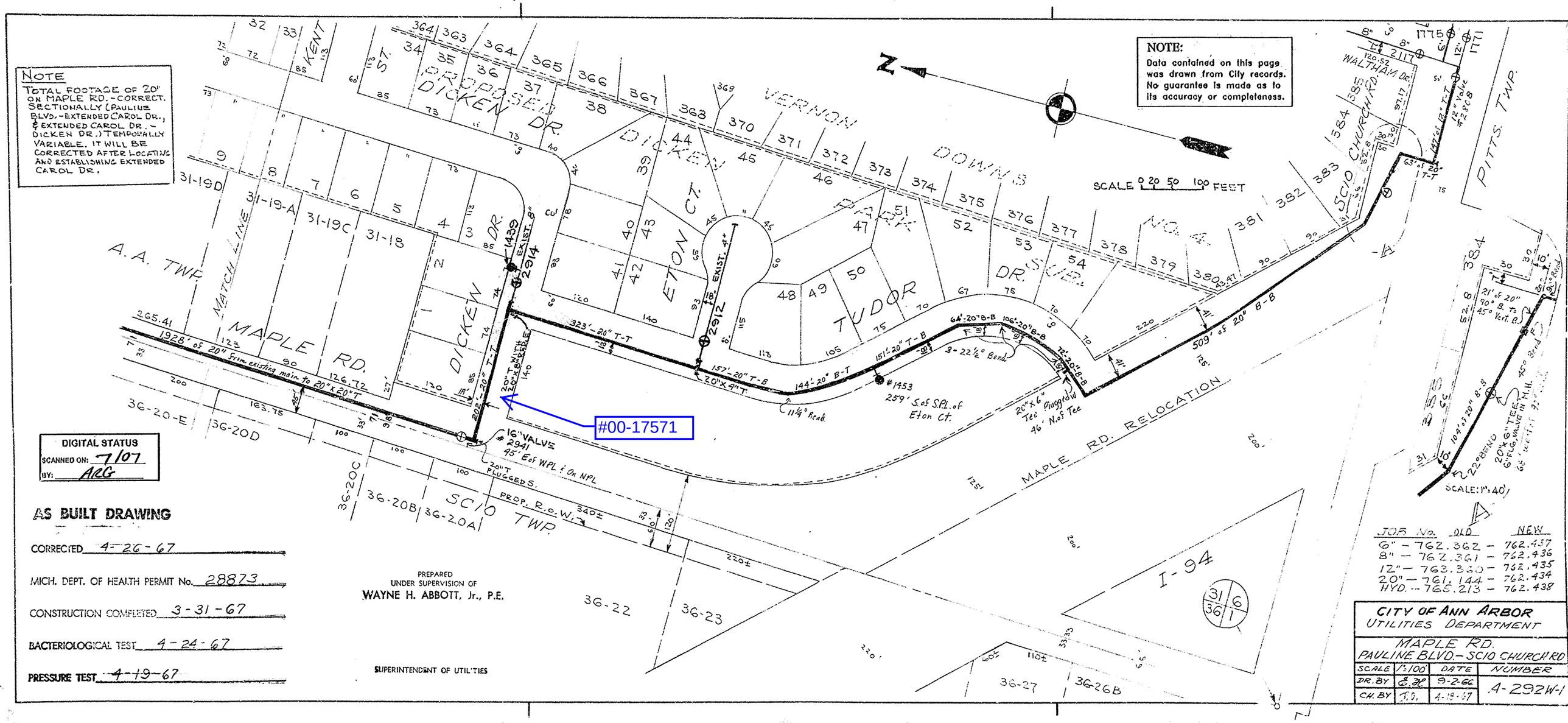
Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

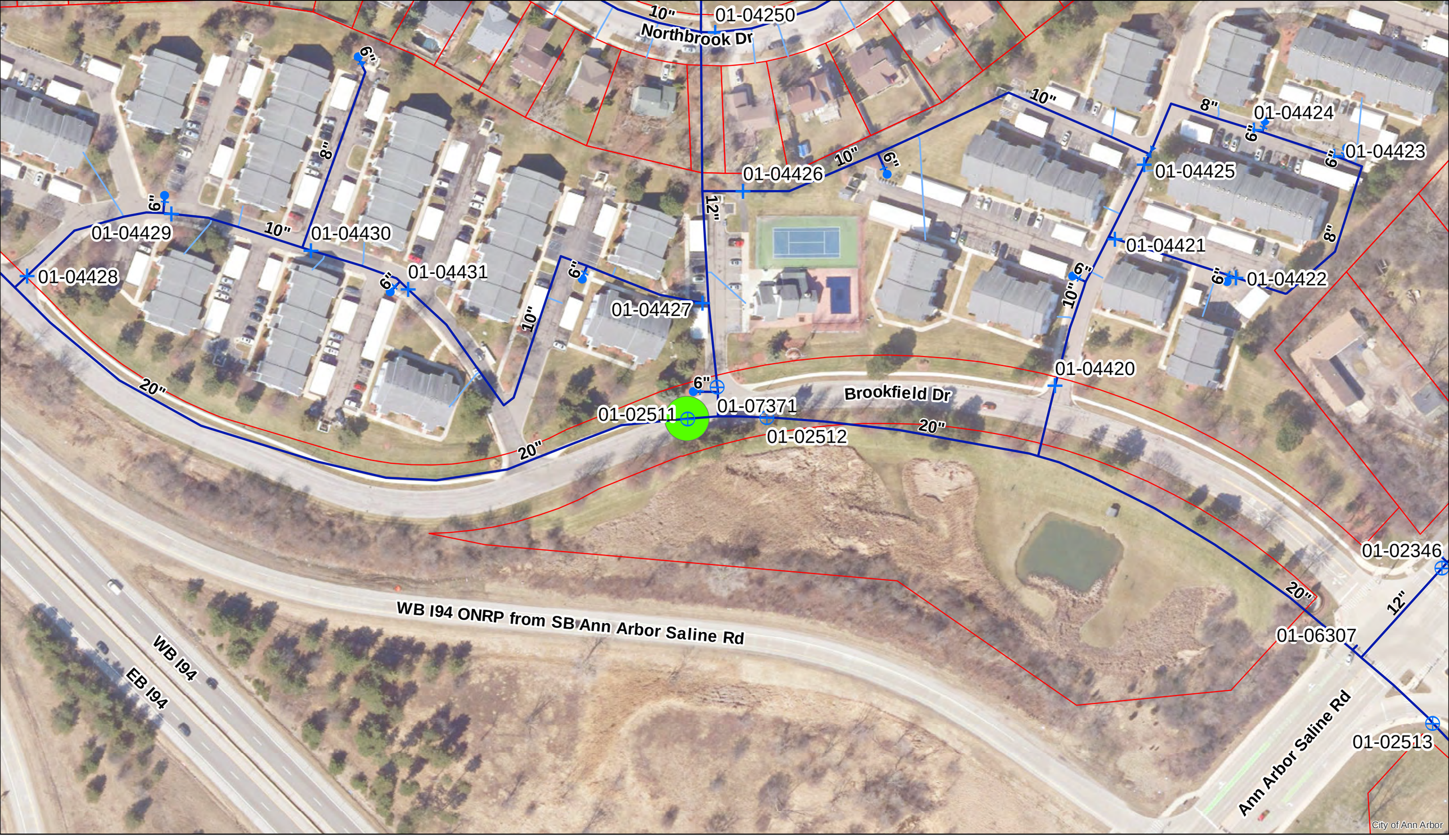
Install new valve on this 20" watermain 00-17571

For terms and conditions please visit www.a2gov.org/terms

0 0.0075 0.015 0.03 0.045 0.06 Miles

N


NOTE
TOTAL FOOTAGE OF 20" ON MAPLE RD. - CORRECT. SECTIONALLY (PAULINE BLVD. - EXTENDED CAROL DR., & EXTENDED CAROL DR. - DICKEN DR.) TEMPORALLY VARIABLE. IT WILL BE CORRECTED AFTER LOCATING AND ESTABLISHING EXTENDED CAROL DR.
NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.
SCALE 0 20 50 100 FEET
N
PROPOSED DICKEN DR.
DICKEN DR.
ETON CT.
VERNON DOWNS
TUDOR DR.
PARK SUB. NO. 4
SCIO CHURCH RD.
WALTHAM DR.
PITTS TWP.
A.A. TWP.
MATCH LINE
MAPLE RD.
SCIO TWP.
MAPLE RD. RELOCATION
I-94
1928' of 20" from existing main to 20"x20" T
16" VALVE #2941 45' E of WPL & On NPL
20" T PLUGGED S.
PROP. R.O.W.
#00-17571
#1453 259' S. of S.P.L. of Eton Ct.
20"x6" Tee Plugged W 46' N. of Tee
3-22½° Bend
11¼° Bend
509' of 20" B-B
323'-20" T-T
157'-20" T-B
144'-20" B-T
151'-20" T-B
64'-20" B-B
106'-20" B-B
72'-20" B-B
202'-20" T-T
20" T WITH 20"x8" RSR E
EXIST. 8"
EXIST. 4"
1439
2914
2912
1775
2117
1771
36-20-E
36-20D
36-20C
36-20B
36-20A
36-22
36-23
36-27
36-26B
SCALE: 1"=40'
DIGITAL STATUS
SCANNED ON: 7/07
BY: ARG
AS BUILT DRAWING
CORRECTED 4-26-67
MICH. DEPT. OF HEALTH PERMIT No. 28873
CONSTRUCTION COMPLETED 3-31-67
BACTERIOLOGICAL TEST 4-24-67
PRESSURE TEST 4-19-67
PREPARED UNDER SUPERVISION OF
WAYNE H. ABBOTT, Jr., P.E.
SUPERINTENDENT OF UTILITIES
JOB No. OLD NEW
6" - 762.362 - 762.437
8" - 762.361 - 762.436
12" - 763.360 - 762.435
20" - 761.144 - 762.434
HYD. - 765.213 - 762.438
CITY OF ANN ARBOR
UTILITIES DEPARTMENT
MAPLE RD.
PAULINE BLVD. - SCIO CHURCH RD
SCALE 1"=100'
DATE
NUMBER
DR. BY
9-2-66
CH. BY
4-19-67
A-292W-1



16" GVIW 01-02511

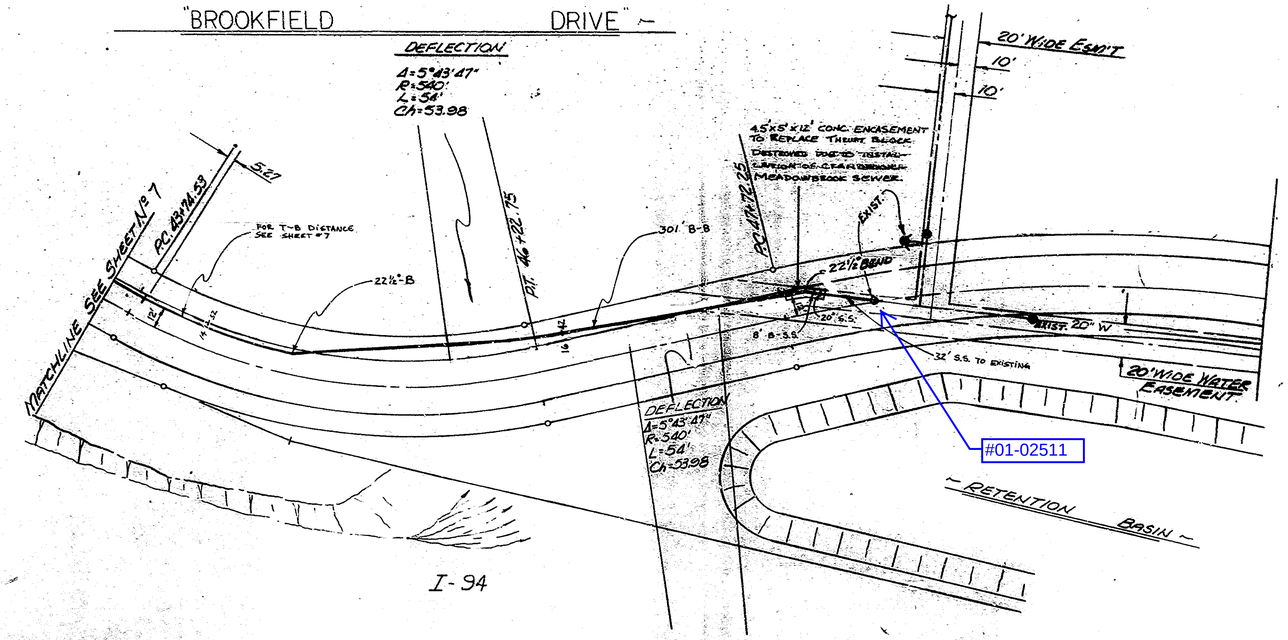
Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

For terms and conditions please visit www.a2gov.org/terms

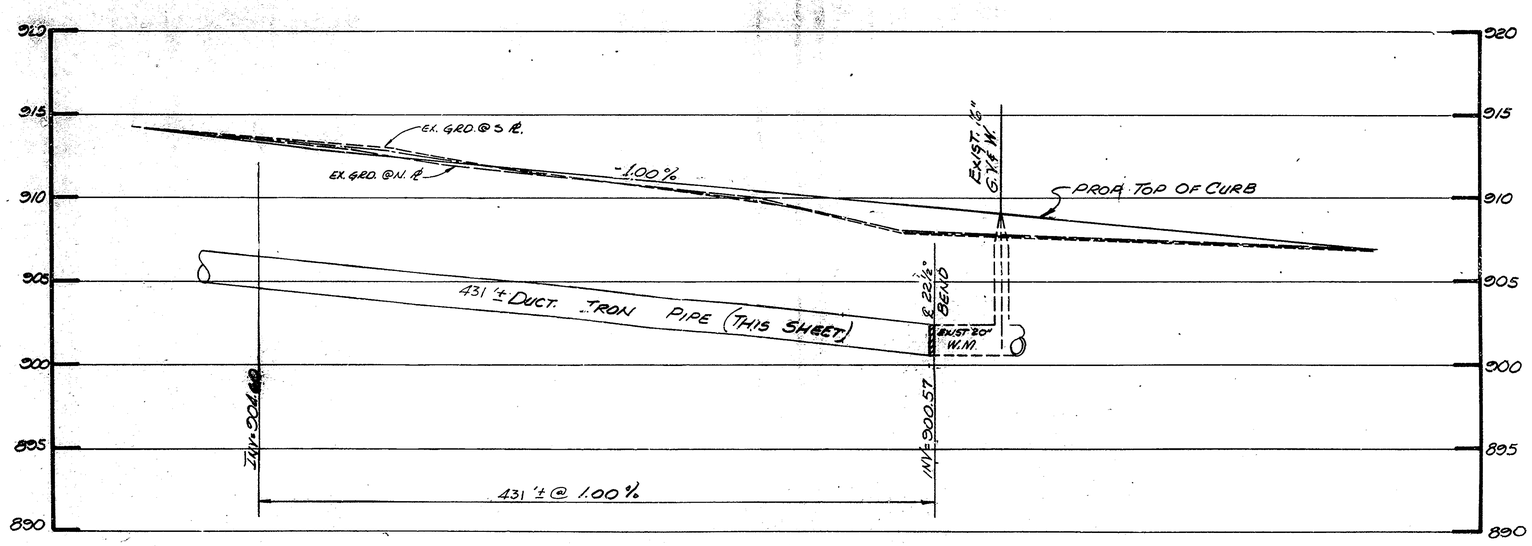
0 0.0075 0.015 0.03 0.045 0.06 Miles

N

BRUNING 9614



#01-02511



#01-02511

AS BUILT DRAWING

CORRECTED 7/30/59

MICH. DEPT. OF NATURAL RESOURCES PERMIT No. W800521

CONSTRUCTION COMPLETED 10/13/80

BACTERIOLOGICAL TEST 11/7/80

PRESSURE TEST 11/3/80

REV	DATE	BY	DESCRIPTION
2	7/81	S.W.	"AS BUILT" 1
1	8/80	E.F.	ADDENDUM No. 1

REVISIONS

ISSUE NO. | DATE
SUB. WORK | APP.
DRAWN | K.P.
TRACED | J.D.
APPROVED | SCALE V: 1" H: 40'

CLIENT

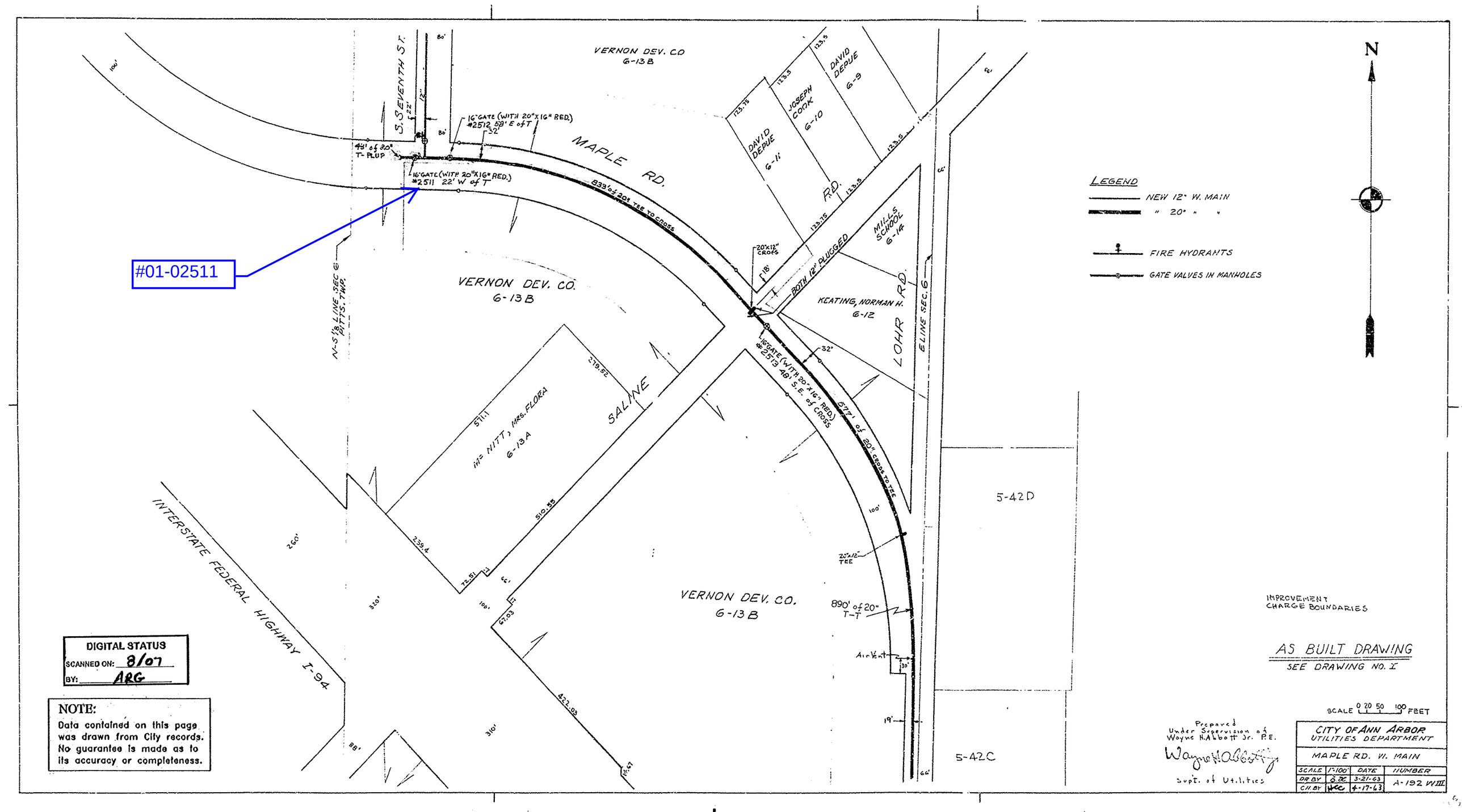
CITY OF ANN ARBOR
DRAWING No. 80012-W3

ORCHARD, PAPKE, HILTZ & McCLIMENT, INC.
CONSULTING ENGINEERS
34935 SCHOOLCRAFT ROAD
LIVONIA, MICHIGAN 48150
(313) 525-0711

TOPO: F. B. 527
LEVELS

SHEET 8 OF 26

JOB NO. 382-70



#01-02511
VERNON DEV. CO
6-13 B
S. SEVENTH ST.
MAPLE RD.
16" GATE (WITH 20"X16" RED.)
#2512 58' E of T
16" GATE (WITH 20"X16" RED.)
#2511 22' W of T
43' of 20" T-PLUP
833' of 20" TEE TO CROSS
DAVID DEPUE 6-11
JOSEPH COOK 6-10
DAVID DEPUE 6-9
MILLS SCHOOL 6-14
KEATING, NORMAN H. 6-12
BOTH 12" PLUGGED
20"x12" CROSS
16" GATE (WITH 20"x16" RED.)
#2513 48' S.E. of CROSS
577' of 20" CROSS TO TEE
LOHR RD.
E LINE SEC. 6
N-S 1/8 LINE SEC 6 PITTS. TWP.
VERNON DEV. CO.
6-13 B
SALINE
MS NITT, MRS. FLORA
6-13 A
INTERSTATE FEDERAL HIGHWAY I-94
VERNON DEV. CO.
6-13 B
20"x12" TEE
890' of 20" T-T
Air Vent
5-42 D
5-42 C
LEGEND
NEW 12" W. MAIN
" 20" " "
FIRE HYDRANTS
GATE VALVES IN MANHOLES
N
IMPROVEMENT CHARGE BOUNDARIES
AS BUILT DRAWING
SEE DRAWING NO. I
SCALE 0 20 50 100 FEET
Prepared Under Supervision of Wayne H. Abbott Jr. P.E.
Wayne H Abbott Jr
Supt. of Utilities
CITY OF ANN ARBOR
UTILITIES DEPARTMENT
MAPLE RD. W. MAIN
SCALE 1"=100'
DATE
NUMBER
DR BY
3-21-63
A-192 WIII
CH. BY
4-17-63
DIGITAL STATUS
SCANNED ON: 8/07
BY: ARG
NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

LANSDOWNE SUB. NO. 2

LANSDOWNE SUB. NO. 3

MEADOWBROOK VILLAGE NO. 2

MEADOWBROOK VILLAGE APTS. E.

MEADOWBROOK VILLAGE APTS. W.

MEADOWBROOK SUB. NO. 3

MEADOWBROOK SUB. NO. 1

NORTHBROOK DR.

BROOKFIELD DR.

GLENBROOK CT.

ANN ARBOR-SALINE RD.

I-94 X-WAY

RAMP "A"

RAMP "B"

RAMP "C"

RAMP "D"

RAMP "E"

FUTURE LOOP

EISENHOWER PKWY.

WATERS RD.

LOHR RD. RELOCATED

CRANBROOK COMMERCIAL

TENNIS COURT

CLUB HOUSE

POOL

SHELL OIL

#01-02511

81-12-06-300

81-12-06-400

LAST UPDATED: 1-7-02 DPF

CITY OF ANN ARBOR

SOUTHEAST 6 QUARTER SECTION 6

PITTSFIELD TOWNSHIP

SCALE 1" = 100' | DATE

DRAWN BY: E.H. | 5-12-67

CHKD BY E.H. | 7-28-67

REFERENCE LINE TWO INCHES

16" GVIW 01-02786



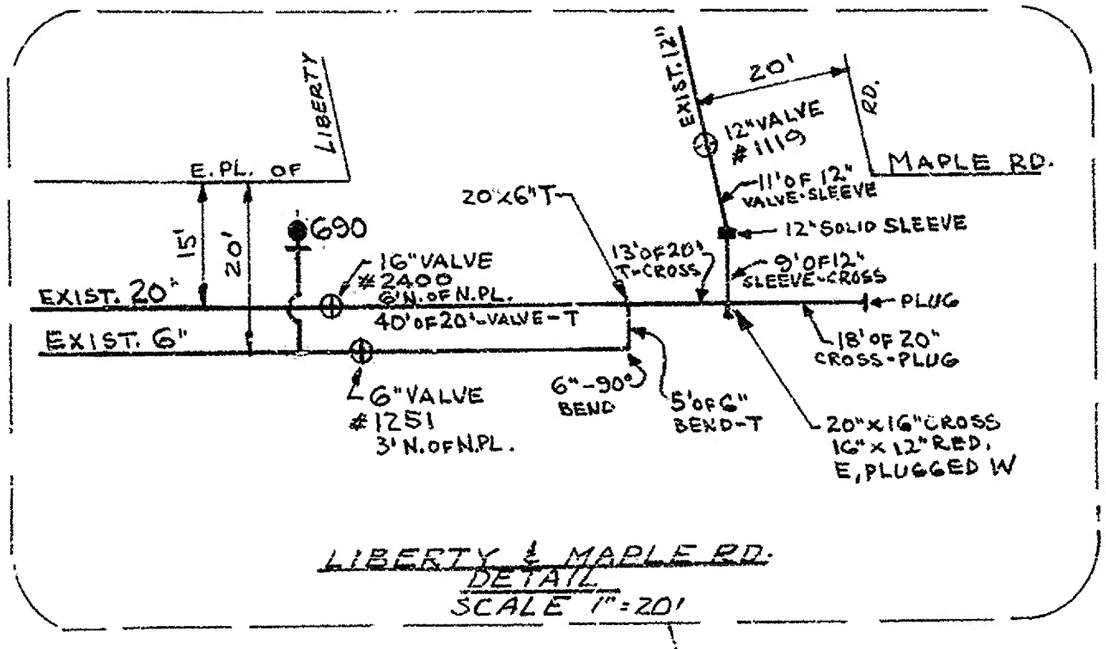
Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

For terms and conditions please visit www.a2gov.org/terms

Miles
0 0.0075 0.015 0.03 0.045 0.06

N

City of Ann Arbor



LIBERTY & MAPLE RD.
DETAIL
SCALE 1"=20'

#01-02786

- ASSESSMENT AREA.
IMPROVEMENT AREA

AS BUILT DRAWING

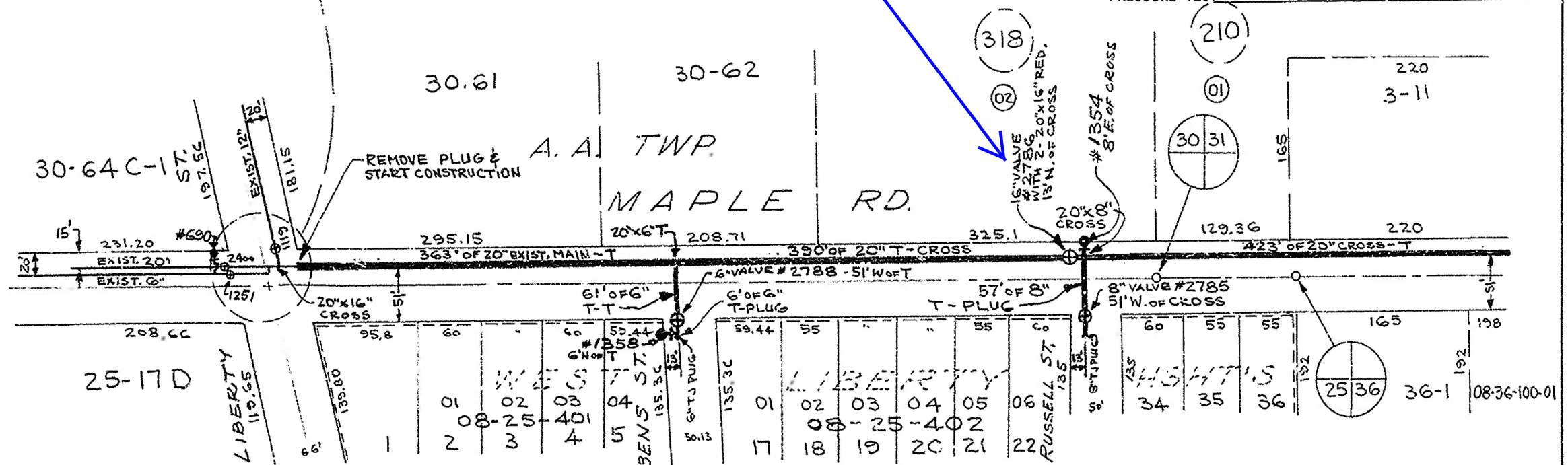
CORRECTED 1-6-66

MICH. DEPT. OF HEALTH PERMIT No. 26"145

CONSTRUCTION COMPLETED 12-27-65

BACTERIOLOGICAL TEST 1-18-66

PRESSURE TEST 1-5-66



SCALE 0 20 50 100 FEET

NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

DIGITAL STATUS
SCANNED ON: 7/07
BY: ARG

PREPARED UNDER SUPERVISION OF WAYNE H. ABBOTT JR. P.E.

Wayne H. Abbott
SUPERINTENDENT OF UTILITIES

JOB NO.
6" - 762.325
20" - 761.135
HYD. - 765.201
8" - 762.351

CITY OF ANN ARBOR
UTILITIES DEPARTMENT
MAPLE RD. - LIBERTY S'LY TO PAULINE BLVD.

SCALE	1"=100'	DATE	NUMBER
DR. BY	S. H.	4-27-65	A-257W-1
CH. BY	JCC	9-14-65	

#01-02786

LAST UPDATE: 09/26/02 DCO

CITY OF ANN ARBOR

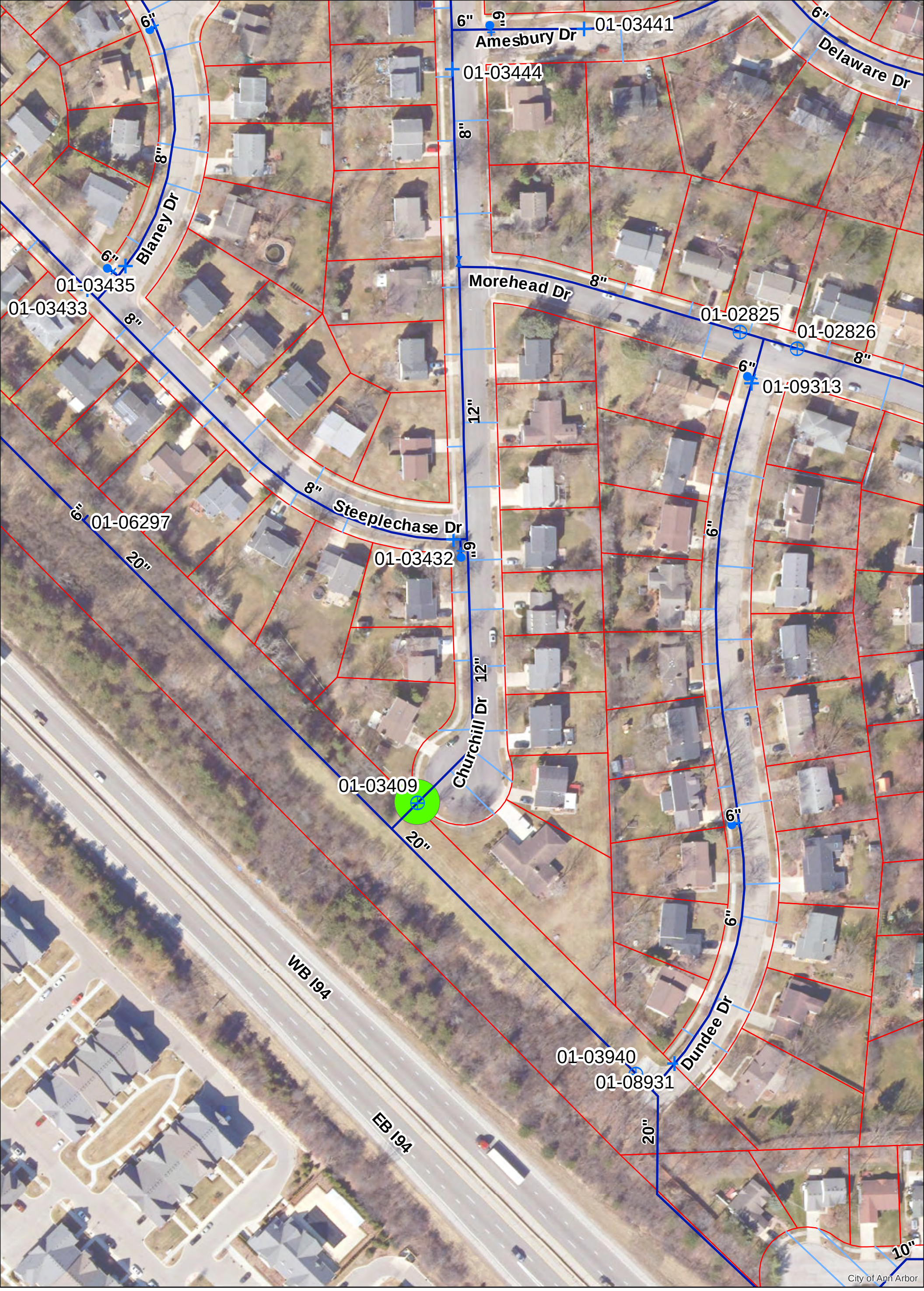
SOUTH WEST QUARTER SECTION 30

ANN ARBOR TOWNSHIP

SCALE: 1" = 100'	DATE
DR BY: B & JC	3/25/60
CH BY: RK	4/25/63

REFERENCE LINE
TWO INCHES
0 1 2

N W E S



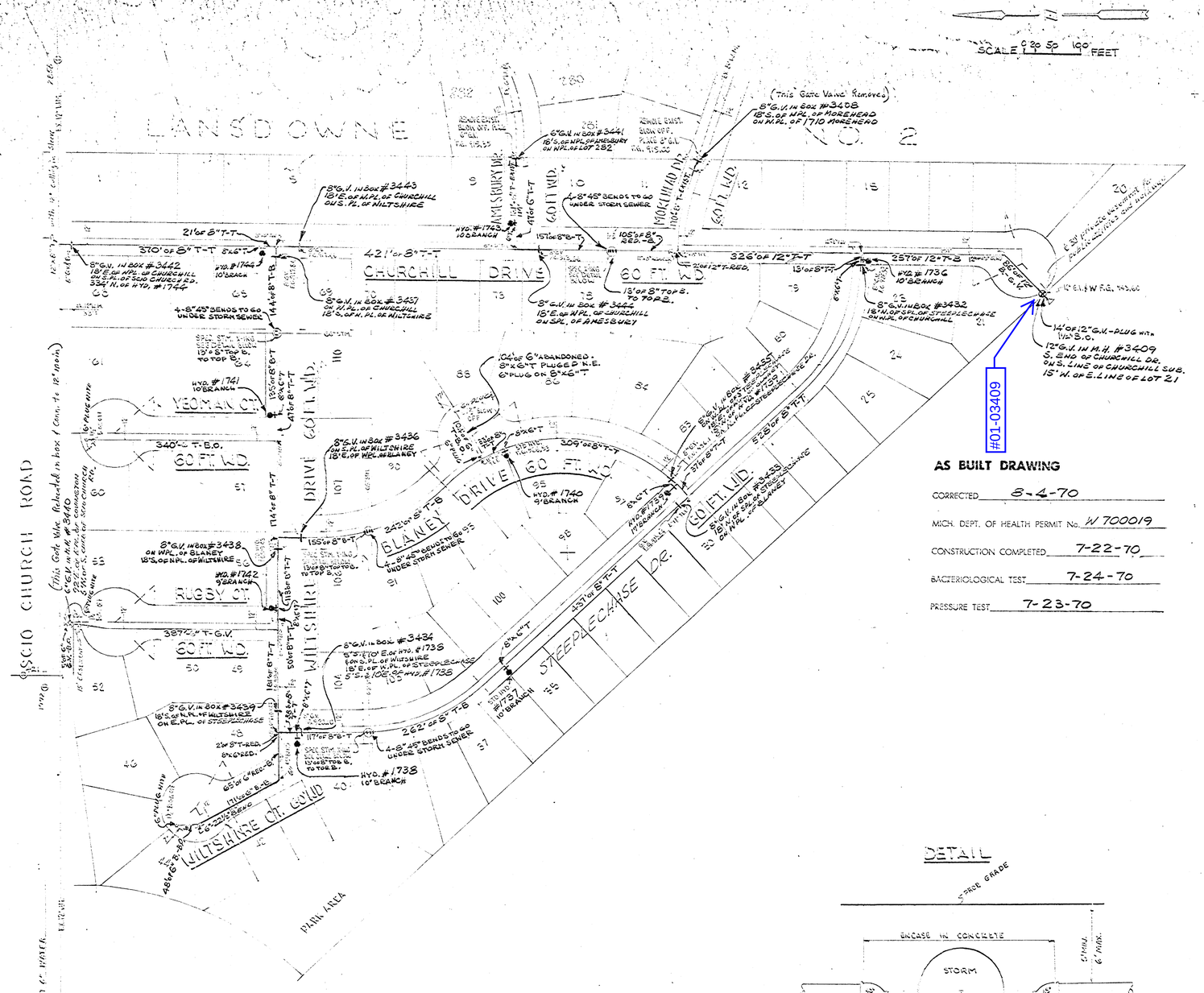
12" GVIW 01-03409

N

Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

0 0.0075 0.015 0.03 0.045 0.06 Miles

For terms and conditions please visit www.a2gov.org/terms



#01-03409

AS BUILT DRAWING

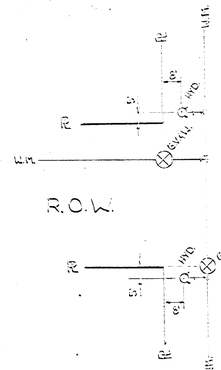
CORRECTED 8-4-70

MICH. DEPT. OF HEALTH PERMIT No. W 700019

CONSTRUCTION COMPLETED 7-22-70

BACTERIOLOGICAL TEST 7-24-70

PRESSURE TEST 7-23-70



CITY OF ANN ARBOR STANDARD
FOR HYDRANT & GATE VALVE LOCATION

SUPPLEMENTAL NOTES:

1. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE CITY OF ANN ARBOR.
2. ALL 4" 6" AND 8" GATE VALVES WILL HAVE GATE BOXES RATHER THAN MANHOLES UNLESS UNDER CONCRETE OR NOTED ALL 12" AND LARGER GATE VALVES WILL BE IN MANHOLES
4. MINIMUM COVER OVER PROPOSED WATER MAIN SHALL BE 5 FEET MAXIMUM COVER OVER PROPOSED WATER MAIN SHALL BE 6 FEET
6. ALL MATERIALS, INCLUDING FITTINGS REQUIRED AND ALL NECESSARY EQUIPMENT & MANPOWER SHALL BE SUPPLIED BY & BE INCLUDED IN THE UNIT BID PRICE OF WATERMAIN UNLESS OTHERWISE SHOWN AS A UNIT BID ITEM IN THE PROPOSAL.
7. EXCAVATION UNDER OR WITHIN 5FEET OF EXISTING OR PROPOSED ROADWAYS SHALL BE BACKFILLED WITH APPROVED POROUS MATERIAL (SAND) MECHANICALLY TAMPED IN 6" LAYERS OR LIFTS TO THE SURFACE OF THE EXISTING GROUND.
8. CONTRACTOR SHALL NOTIFY THE CITY OF ANN ARBOR AND THE ENGINEER NOT LESS THAN 72 HRS. BEFORE BEGINNING TO WORK AND SHALL ARRANGE FOR INSPECTION.
9. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE COMMENCING WORK WHETHER OR NOT SHOWN ON PLAN. THE CONTRACTOR SHALL PROTECT AND BE RESPONSIBLE FOR ALL UTILITIES KNOWN OR UNKNOWN WHETHER OR NOT ON THE PLAN.
10. WHERE HYDRANTS ARE NOT LOCATED AT STREET CORNERS, THEY SHALL BE LOCATED ON LOT LINE EXTENDED.
11. WHERE WATERMAIN IS TO BE AT A LOWER ELEVATION THAN STORM SEWER OR INLET LEAD, WATER MAIN MUST BE INSTALLED FIRST. INSTALLATION OF WATER MAIN BY TUNNELING UNDER NEW CONSTRUCTION OF SEWER IN THIS PROJECT WILL NOT BE ALLOWED.

ESTIMATED QUANTITIES

12" WATER MAIN	650 L.F.
8" WATER MAIN	4,318 L.F.
6" WATER MAIN	4,071 L.F.
12" G.V.& WELL	1 EA.
8" G.V.& BOX	12 EA.
6" G.V. 1-BOX & 1-WELL	2 EA.
STD. HYDRANT COMP.	9 EA.
1½" BLOW OFF CONNECTION	5 EA.

NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

DETAIL

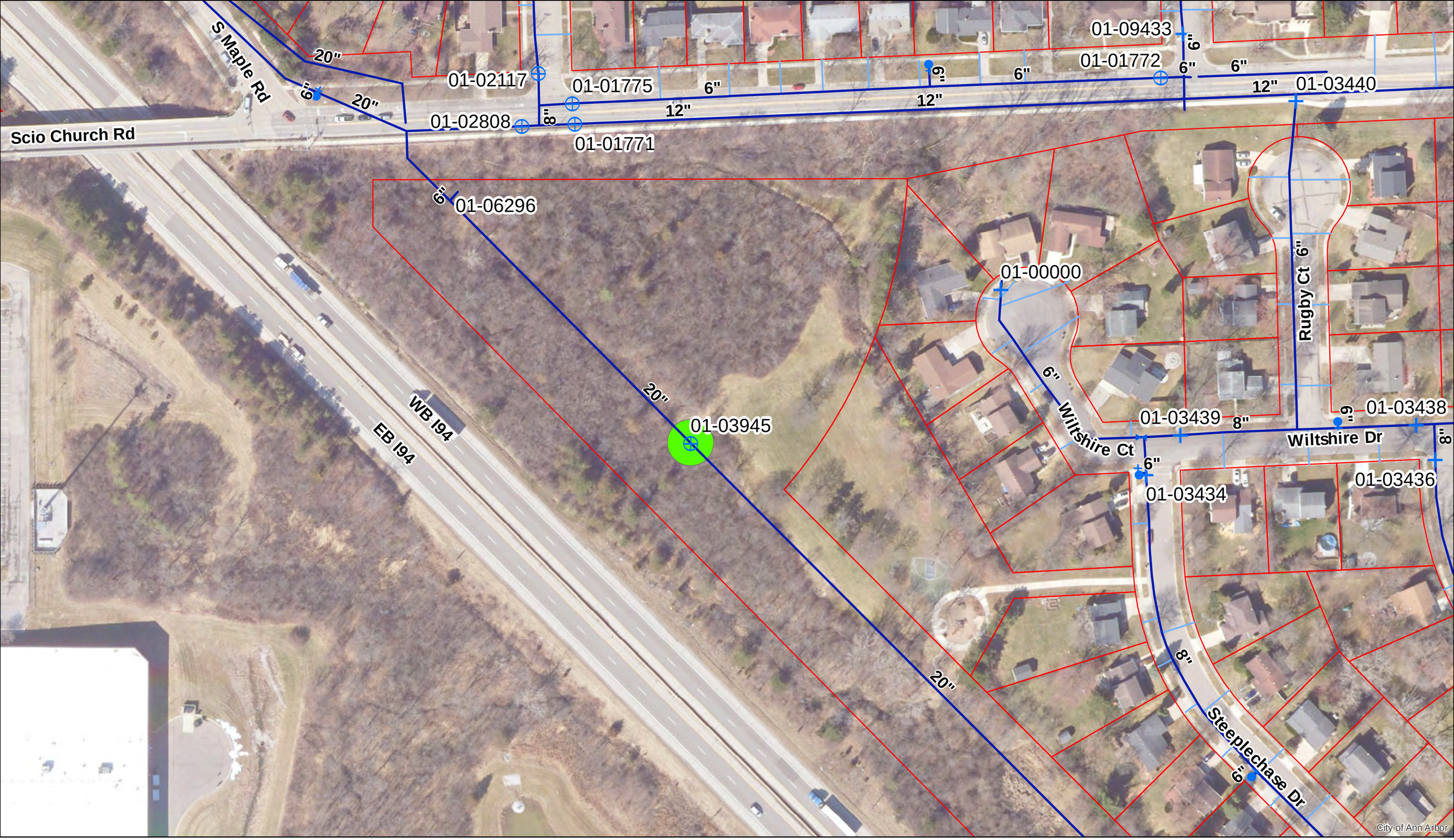
SPECIAL STORM CROSSING FOR WATER MAIN

APPROVED BY:

WAYNE H. ABBOTT, JR. P.E.
SUPERINTENDENT OF UTILITIES

STATE OF MICHIGAN
FRANCIS A. PAYNE
CIVIL ENGINEER
NO. 9675
REGISTERED PROFESSIONAL ENGINEER

Digital Status
Scanned On: 8/2004
By: NAM



16" GVIW 01-03945

Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

For terms and conditions please visit www.a2gov.org/terms

0 0.0075 0.015 0.03 0.045 0.06 Miles

N

AS BUILT DRAWING

CORRECTED 7-21-76

MICH. DEPT. OF HEALTH PERMIT No. W 731000

CONSTRUCTION COMPLETED 6-23-76

BACTERIOLOGICAL TEST 6-21-76

PRESSURE TEST 6-21-76

PORTION FROM SCIO CHURCH RD. TO DUNDEE

#01-03945

SCALE 0 10 20 40 FEET

SCIO CHURCH RD.

MAPLE ROAD

EISENHOWER PARKWAY

PARK

382 383 384 385

20"-45°B

SEE DETAIL "A" BELOW

16" G.V. #3945 IN M.H. 40'S. OF NPL. OF EISENHOWER PKWY.

399' OF 20" T-G.V.

187' OF 20" G.V.-T

162' OF 20" T-B

2117 1775 1771

2809

60'

500'R 50' 30' 483' PROPERTY LINE 60'

30'R PT 1000'R PRC 5200'R PT

15'R 15'R 15'R 15'R 26'

Match Line

1000'R PRC 1000'R PT

EXIST. 8" GATE VALVE IN M.H.

20" x 6" TEE

6" GATE VALVE IN MANHOLE SEE SHEET 095

20" x 6" TEE 6" GATE VALVE IN MANHOLE

EXIST. 20" x 12" TEE WITH 12" GATE VALVE IN M.H.

EXIST. 20"-45° BEND

EXIST. 20" x 12" TEE WITH 12" GATE VALVE IN M.H.

EXIST. 12" GATE VALVE IN M.H.

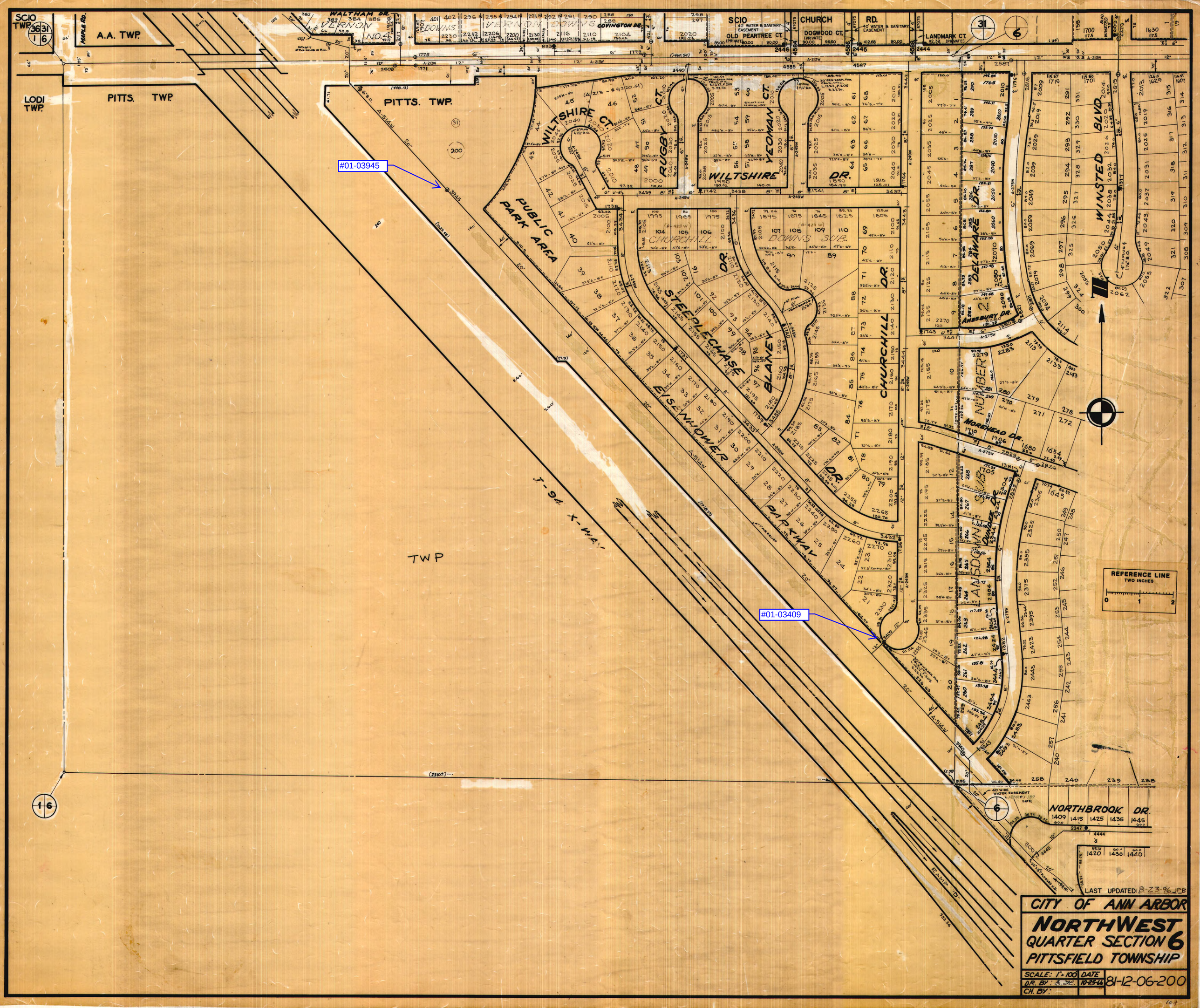
EXIST. 12" GATE VALVE IN M.H.

EXIST. 20" x 6" TEE 6" GATE VALVE IN M.H.

EXIST. 20" x 12" TEE WITH 12" GATE VALVE IN M.H.

EXIST. 12" GATE VALVE IN M.H.

EXIST. 20" x 12" TEE WITH

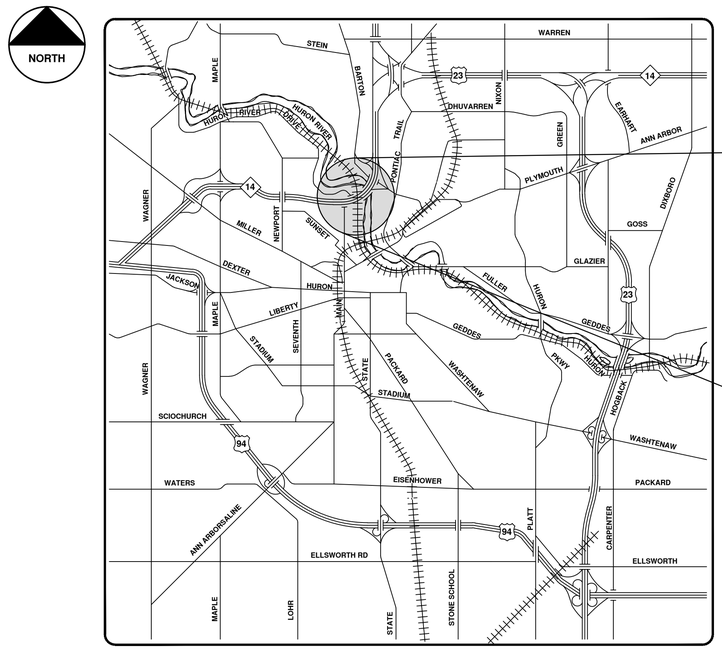


SCIO TWP.
A.A. TWP.
LODI TWP.
PITTS. TWP.
PITTS. TWP.
WALTHAM DR.
VERNON NO. 4
VERNON DOWNS
COVINGTON DR.
SCIO CHURCH RD.
OLD PEARTREE CT.
DOGWOOD CT.
LANDMARK CT.
WILTSHIRE CT.
RUGBY CT.
YEOMAN CT.
WILTSHIRE DR.
PUBLIC PARK AREA
CHURCHILL DOWNS SUB.
STEEPLECHASE DR.
BLANEY
EISENHOWER
CHURCHILL DR.
DELAWARE DR.
AMESBURY DR.
WINSTED BLVD.
MOREHEAD DR.
LANSDOWNE SUB.
DUNDEE DR.
NORTHBROOK DR.
PARKWAY
I-94 X-WAY
TWP
RAMP "D"
#01-03945
#01-03409
REFERENCE LINE
TWO INCHES
LAST UPDATED: 8-23-96 JPB
CITY OF ANN ARBOR
NORTHWEST
QUARTER SECTION 6
PITTSFIELD TOWNSHIP
SCALE: 1" = 100'
DATE
DR. BY: E.H.
10-25-66
CH. BY:
81-12-06-200

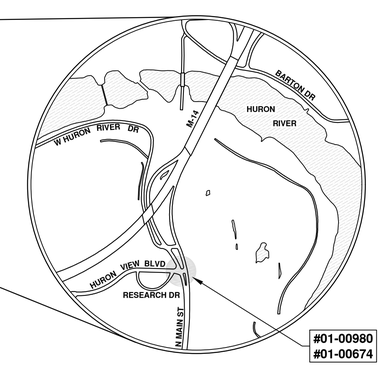
2022 VALVE REPLACEMENT PROJECT

N MAIN STREET

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
22	N MAIN STREET
23	REPLACE 01-00674
24	REPLACE 01-00980



VICINITY MAP



ENGINEERING
CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET, P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
734-794-6410 www.a2gov.org

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE

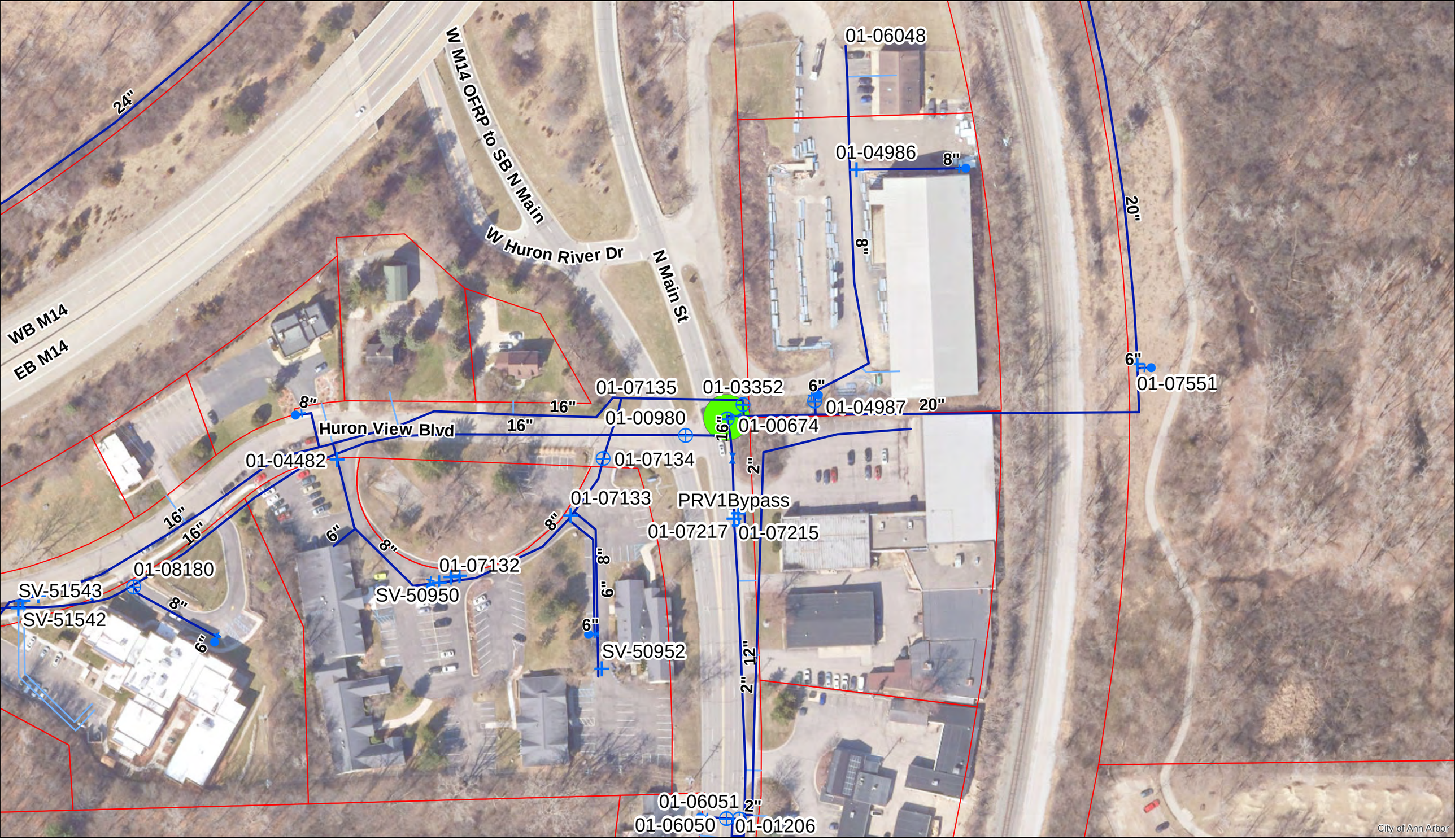
DRAWING No. 2022023-22

SHEET No. 22 OF 112

© 2022 VALVE REPLACEMENT PROJECT; BID No. BID NO; 2022023

R:\2022023 Valve Replacement Project\Plan Production\2022023Cov.dwg – _a2 standard bw.stb – Plot Date: 12/6/2021 3:23:31 PM

16" GVIW 01-00674

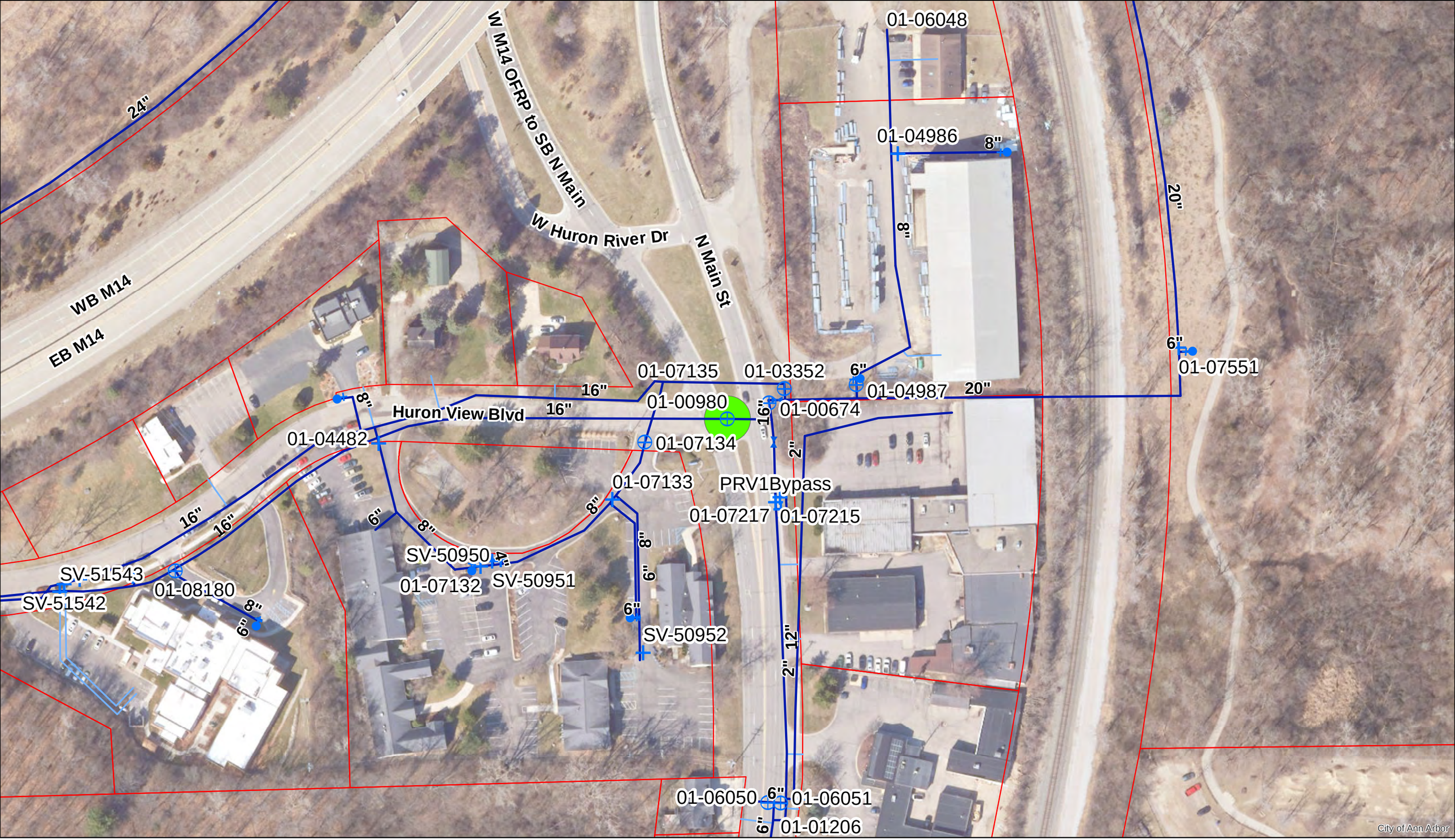


Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

For terms and conditions please visit www.a2gov.org/terms

Miles
0 0.0075 0.015 0.03 0.045 0.06

N



Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

16" GVIW 01-00980

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Miles
0 0.0075 0.015 0.03 0.045 0.06

N

16" 45° Bend
4' of 16" B.-B
16" 11¼° Bend
26' of 16" B.-B
16" 11¼° Bend
2' of 16" B.-Exist.
PROFILE LINE
134' of 16" B-B
120' of 24" Casing
16"-90° Bend
16" G.V. # 3352
20' N. of S.P.
On E. P.L. of Main St.
27' E. of E. Curb
9' of 16" G.V. To B.
6' of 16" Rod. To G.V.
20"x16" Red
20"
20" INJ TEE ROLL TEE TO THE NORTH
20"x16" Red.
16"x12" RED.
16" W
18" W
8" S
12" W
24" W
6" G
4" G
980
674
42'
31'
18'
24'
29'
6'

HURON VIEW BOULEVARD

NORTH MAIN ST.

Digital Status
Scanned On: 8/2006
By: NAM

NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

SCALE 0 5 10 20 FEET

STORM MILLER

SOUTH BOUND LANE

NORTH BOUND LANE

810

800

790

18" W

EXIST. 12" WATER MAIN

20" MAIN

120' OF 24" CASING .312" WALL WELDED STEEL C-20.1-50 ENCASEMENT PIPE WITH BOTH ENDS SEALED SUITABLY AGAINST ENTRANCE OF FOREIGN MATTER

EXIST 20"X20" TEE BOTTOM 20" MAIN AT 20"X20" TEE - 793.4

AS BUILT DRAWING

CORRECTED 12-9-69

MICH. DEPT. OF HEALTH PERMIT No. W690624

CONSTRUCTION COMPLETED 11-13-69

BACTERIOLOGICAL TEST 1-30-70

PRESSURE TEST NONE

SCALE
PLAN - 1" = 20'
PROFILE
HOR. - 1" = 20'
VERT. - 1" = 4'

Job No. 762.62

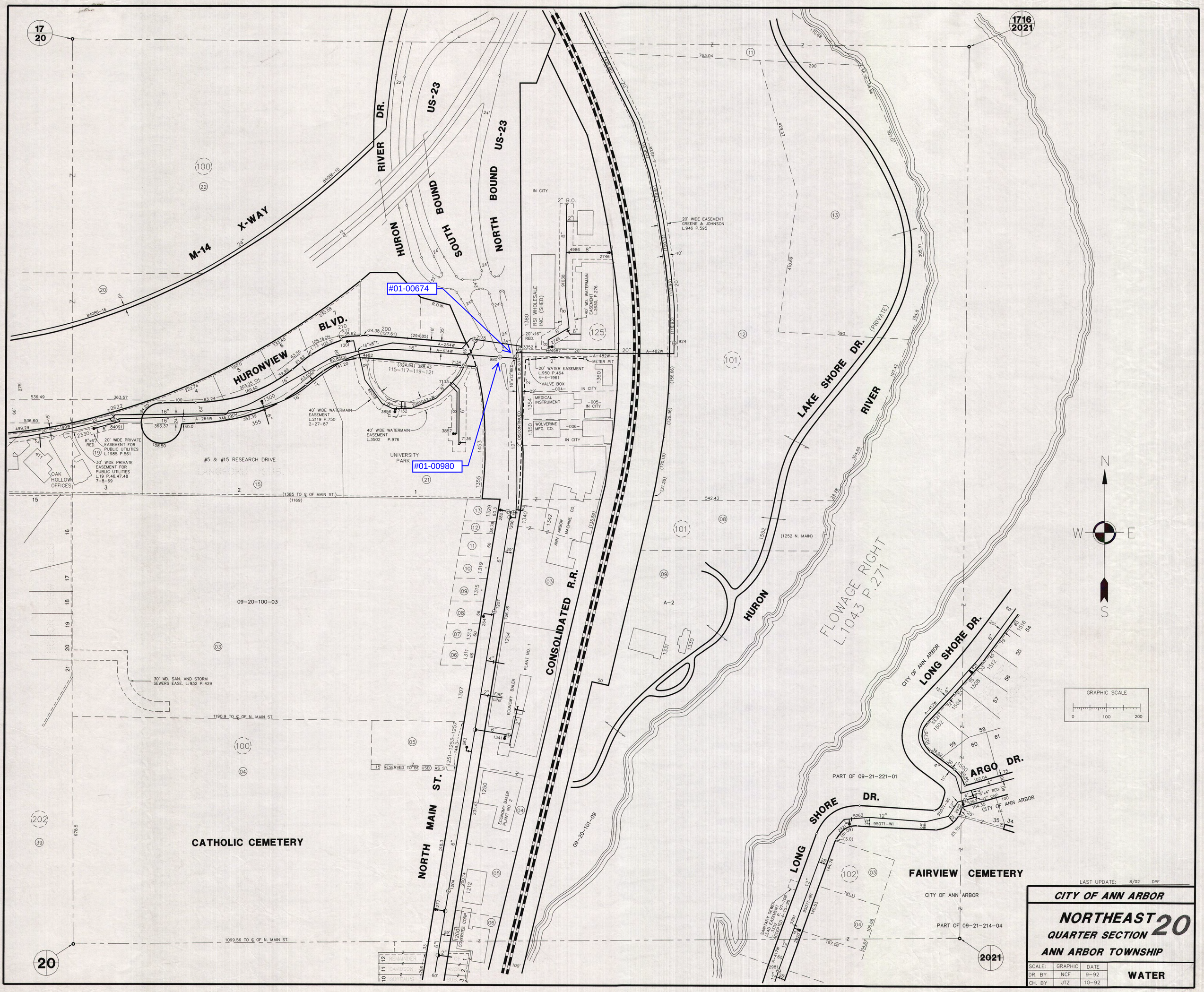
CITY OF ANN ARBOR UTILITIES DEPARTMENT

HURON VIEW BLVD. - 16" MAIN CROSSING N. MAIN AT HURON VIEW

SCALE	AS NOTED	DATE	REV.	AUTHORITY NO.
DR-BY	D.C.	7-11-69		A-414 W
CH-BY	D.D.	7-18-69		

KEUFFEL & ESSER CO. NEW YORK

TRADE STANDARD MARK REG. U.S. PAT. OFF. PROFILE PLATE A 4 X 20 100% RAG PAPER MADE IN U.S.A.

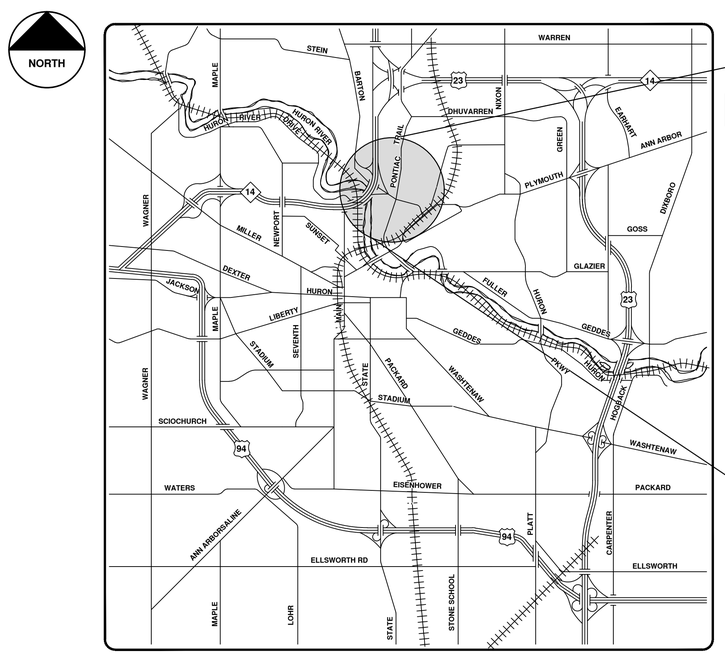


#01-00674
#01-00980
M-14 X-WAY
HURON RIVER DR.
US-23
SOUTH BOUND
NORTH BOUND
HURONVIEW BLVD.
LAKE SHORE DR. (PRIVATE)
RIVER
HURON
CONSOLIDATED R.R.
NORTH MAIN ST.
LONG SHORE DR.
ARGO DR.
CATHOLIC CEMETERY
FAIRVIEW CEMETERY
UNIVERSITY PARK
#5 & #15 RESEARCH DRIVE
OAK HOLLOW OFFICES
FLOWAGE RIGHT L.1043 P.271
CITY OF ANN ARBOR
PART OF 09-21-221-01
PART OF 09-21-214-04
09-20-100-03
09-20-101-09
GRAPHIC SCALE
0 100 200
N
S
E
W
LAST UPDATE: 8/02 DPF
CITY OF ANN ARBOR
NORTHEAST QUARTER SECTION 20
ANN ARBOR TOWNSHIP
SCALE: GRAPHIC DATE
DR. BY NCF 9-92
CH. BY JTZ 10-92
WATER

2022 VALVE REPLACEMENT PROJECT

BARTON DRIVE

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
27	BARTON DRIVE
28 - 29	BARTON DR TRAFFIC CONTROL
30	REPLACE 01-00143
31	REPLACE 01-00141
32	REPLACE 01-00148
34	REPLACE 01-00137
37	REPLACE 01-03926
39	REPLACE 01-04907



VICINITY MAP

ENGINEERING
CITY OF ANN ARBOR PUBLIC SERVICES
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ANN ARBOR, MICHIGAN 48107-8647
734-794-6410 www.a2gov.org

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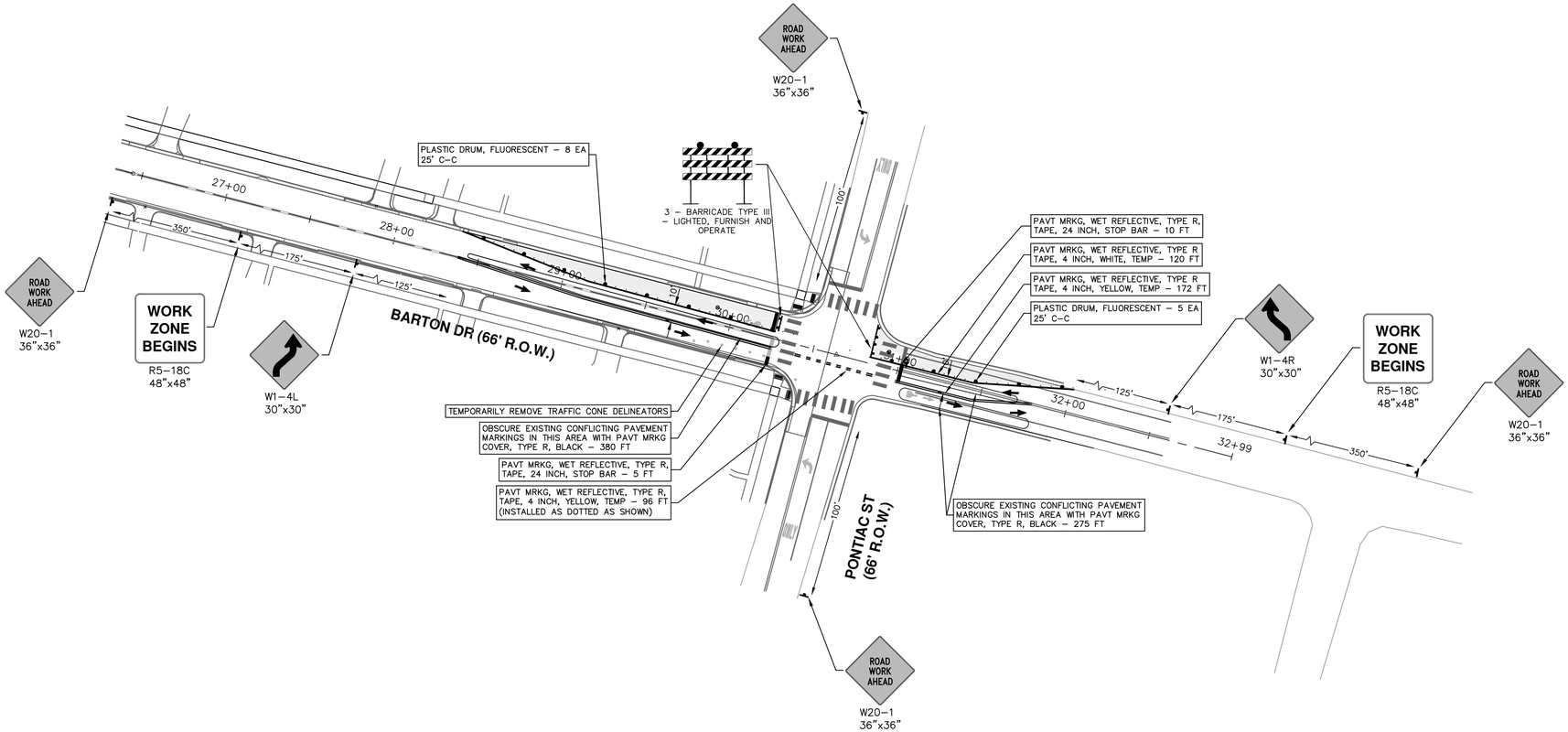
SCALE

DRAWING No. 2022023-27

SHEET No. 27 OF 112

© 2022 VALVE REPLACEMENT PROJECT; BID No. BID NO; 2022023

R:\2022023 Valve Replacement Project\Plan Production\2022023Cov.dwg — _a2 standard bw.stb — Plot Date: 12/6/2021 3:23:36 PM



NOTES:

1. FINAL LIMITS OF PAVEMENT REMOVAL FOR UTILITY INSTALLATION WILL BE AS DIRECTED BY ENGINEER.
2. UTILIZE PLASTIC DRUMS AND PROTECTIVE FENCING WITHIN WORK ZONE TO DELINEATE OPEN TRENCHES AS DIRECTED BY ENGINEER.
3. MAINTAIN PEDESTRIAN ACCESS DURING CONSTRUCTION.
4. COVER CONFLICTING SIGNS AS NEEDED OR AS DIRECTED BY ENGINEER.
5. REMOVE CONFLICTING PAVEMENT MARKINGS AS DIRECTED BY THE ENGINEER.
6. CONTRACTOR SHALL PLACE PORTABLE, CHANGEABLE MESSAGE SIGNS A MINIMUM OF ONE (1) WEEK PRIOR TO THE START OF CONSTRUCTION IN LOCATIONS INDICATED BY ENGINEER. MESSAGE TO BE PROVIDED BY THE ENGINEER.

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

2022 VALVE REPLACEMENT PROJECT

BARTON DRIVE TRAFFIC CONTROL

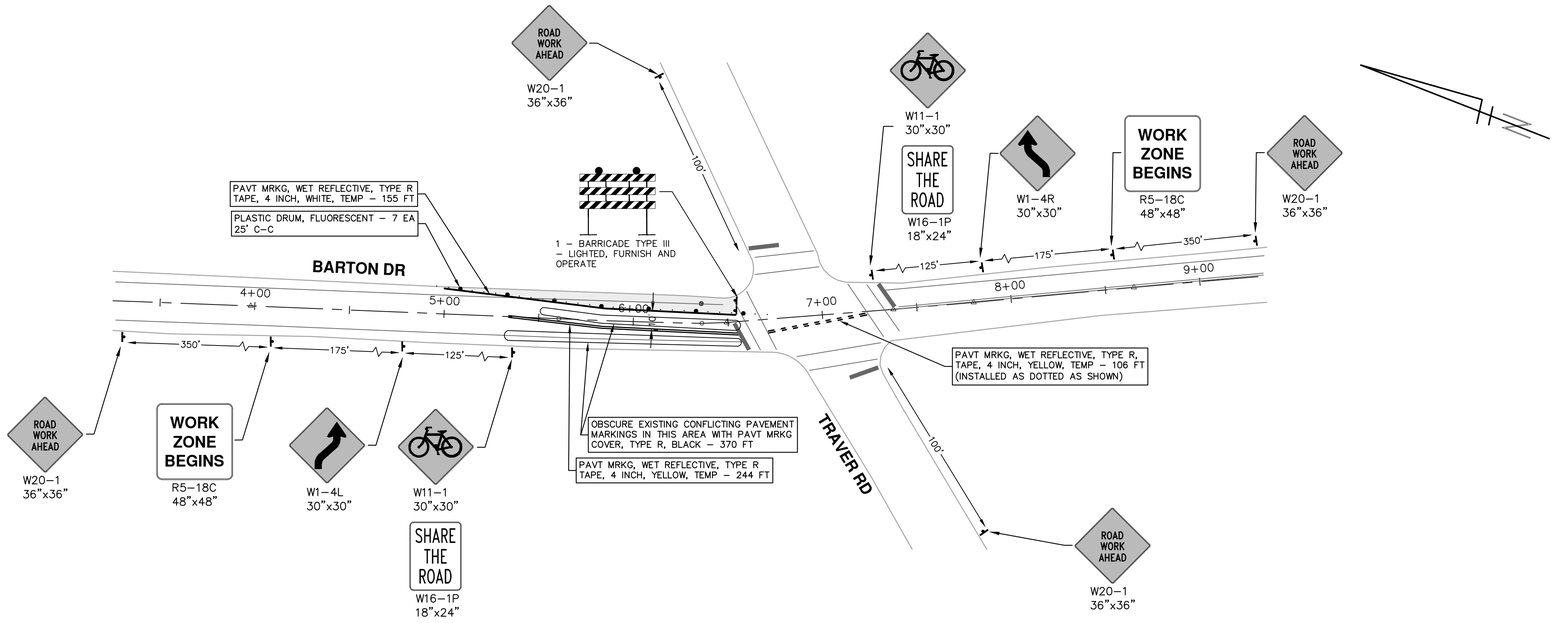
VALVE 01-00143 VALVE 01-00141

SCALE : #######

DRAWING No. 2022023-28

SHEET No. 28 OF 112

R:\2022023 Valve Replacement Project\Plan Production\2022023Mtrf Barton.dwg Dwg Created: 6-Dec-21 — _a2 standard bw.stb — Plot Date: 6-Dec-21



NOTES:

1. FINAL LIMITS OF PAVEMENT REMOVAL FOR UTILITY INSTALLATION WILL BE AS DIRECTED BY ENGINEER.
2. UTILIZE PLASTIC DRUMS AND PROTECTIVE FENCING WITHIN WORK ZONE TO DELINEATE OPEN TRENCHES AS DIRECTED BY ENGINEER.
3. MAINTAIN PEDESTRIAN ACCESS DURING CONSTRUCTION.
4. COVER CONFLICTING SIGNS AS NEEDED OR AS DIRECTED BY ENGINEER.
5. REMOVE CONFLICTING PAVEMENT MARKINGS AS DIRECTED BY THE ENGINEER.
6. CONTRACTOR SHALL PLACE PORTABLE, CHANGEABLE MESSAGE SIGNS A MINIMUM OF ONE (1) WEEK PRIOR TO THE START OF CONSTRUCTION IN LOCATIONS INDICATED BY ENGINEER. MESSAGE TO BE PROVIDED BY THE ENGINEER.

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	COPY TO NEXT LINE AND EDIT THE TEXT	DATE	BY	BY

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ANN ARBOR, MI 48107-8647
734.794.6410
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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

2022 VALVE REPLACEMENT PROJECT

BARTON DRIVE TRAFFIC CONTROL

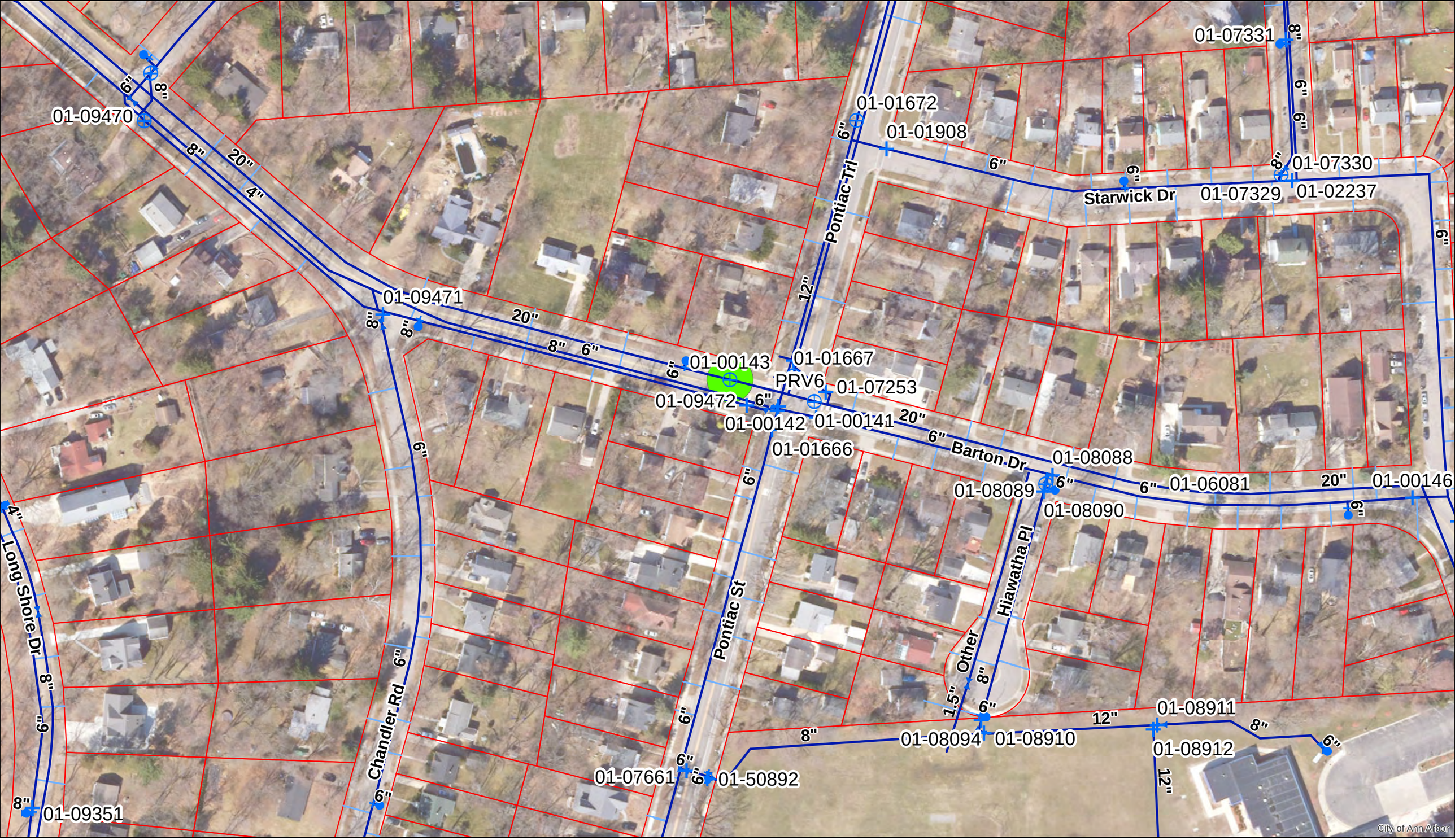
VALVE 01-00148 VALVE 01-00137

SCALE : 1" = 40'

DRAWING No. 2022023-29

R:\2022023 Valve Replacement Project\Plan Production\2022023Mtrf Barton.dwg Dwg Created: 6-Dec-21 - _a2 standard bw.stb - Plot Date: 6-Dec-21

16" GVIW 01-00143

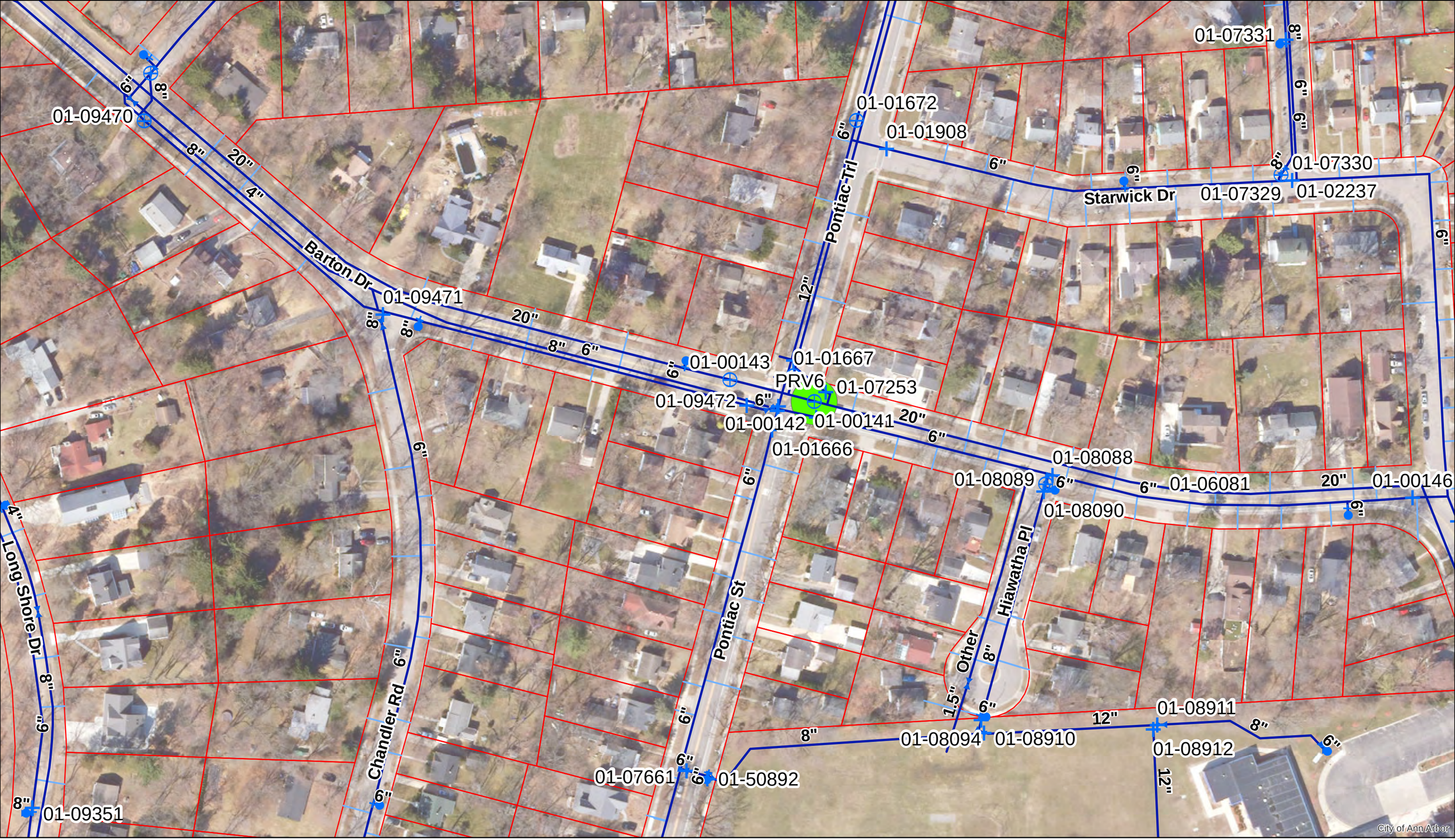


Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

For terms and conditions please visit www.a2gov.org/terms

0 0.0075 0.015 0.03 0.045 0.06 Miles

N



Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

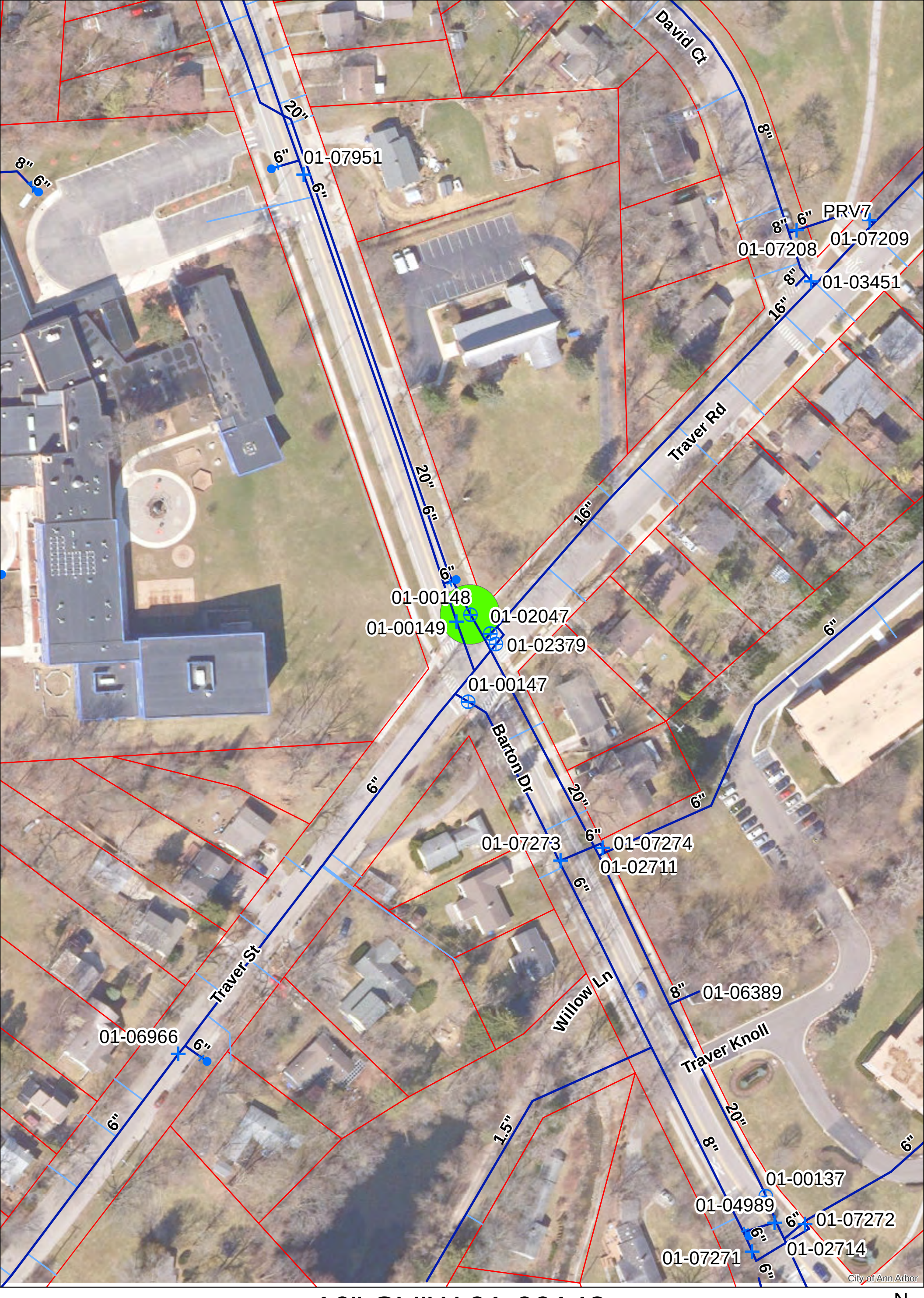
16" GVIW 01-00141

For terms and conditions please visit www.a2gov.org/terms

0 0.0075 0.015 0.03 0.045 0.06 Miles

N

16" GVIW 01-00148



N

Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

0 0.0075 0.015 0.03 0.045 0.06 Miles

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21-9A

21-9B

21-8

RD.

TRAVER

TRAVER CREEK

A. A. R. R.

PLYMOUTH RD. M-14.

SPRING PARK WAY

LEAIRD CR.

FAIR ACRES

ARBOR

BARTON HILLS

#148

#149

#147

#1005

#1006

#1092 13' NW OF MAIN

#1093

#2379

#2047

#2330

#1820

#1112

#1118

#1124

#1711

#1717

#1018

#1011

HYD. #434

16" GATE #2041

16"x8" TEE

16"x6" TEE WITH 6"x4" REDUCER S.E.

16" TJ PLUG & 1½ BLOW OFF

4" TJ PLUG & 1½ BLOW OFF

4" VALVE #2330 43' SE OPT

36' SE. OF MAIN

8" VALVE #2379

16" VALVE #2047 7.5' SW. OF T

16"x8" T

5.5' OF 8" T-BEND

8"-90° BEND

8" VALVE #2379 10.5' S.W. OF 90° BEND

8" W. MAIN GOES OVER 20" W. MAIN

8"x6" REDUCER IN 6" CROSS

8" SLEEVE

8" W. MAIN

16" W. MAIN

20" W. MAIN

EXIST. 6"

EXIST. 20"

EXIST. 24"

21'

26'

30'

50'

66'

60'

16'

15'

SCALE: 1"=30'

SCALE 0 20 50 100 FEET

NOTE:
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By: ARG

NOTE

8" SANITARY SEWER 2' N OF & PARALLEL TO PROJECTION OF E LINE OF LOT 6, BLOCK 2, R K SUB. 15" STORM SEWER ALONG N LINE OF LOTS 6 & 5 ACROSS TRAVER RD TO A PT 2' S OF NE COR OF LOT 3 300' RIGHT 2' S OF NWLY, TH. RIGHT ACROSS TRAVER RD & ALONG E LINE OF LOT 3.

12" STORM SEWER ALONG N LINE OF LOTS 1 & 2 OF TRAVER RD TO A POINT 20' S OF NE COR OF LOT 2 300' RIGHT 2' S OF NWLY, TH. RIGHT ACROSS TRAVER RD & ALONG E LINE OF LOT 10.

4" GAS 26' N OF SE COR. ON TRAVER RD TO A POINT 150' BEYOND TRAVER CT.

JOB NO.	AS BUILT DRWG.
4"-762.178	CORRECTED: 9-23-64
8"-762.204	MICH. DEPT. OF HEALTH PERMIT No. 18467
16"-761.108	CONSTRUCTION COMPLETED: 5-8-62
HYD.-765.137	BACTERIOLOGICAL TEST: 5-23-62
	PRESSURE TEST: NONE

PREPARED UNDER SUPERVISION OF WAYNE H. ABBOTT Jr. P.E.

SUPERINTENDENT OF UTILITIES

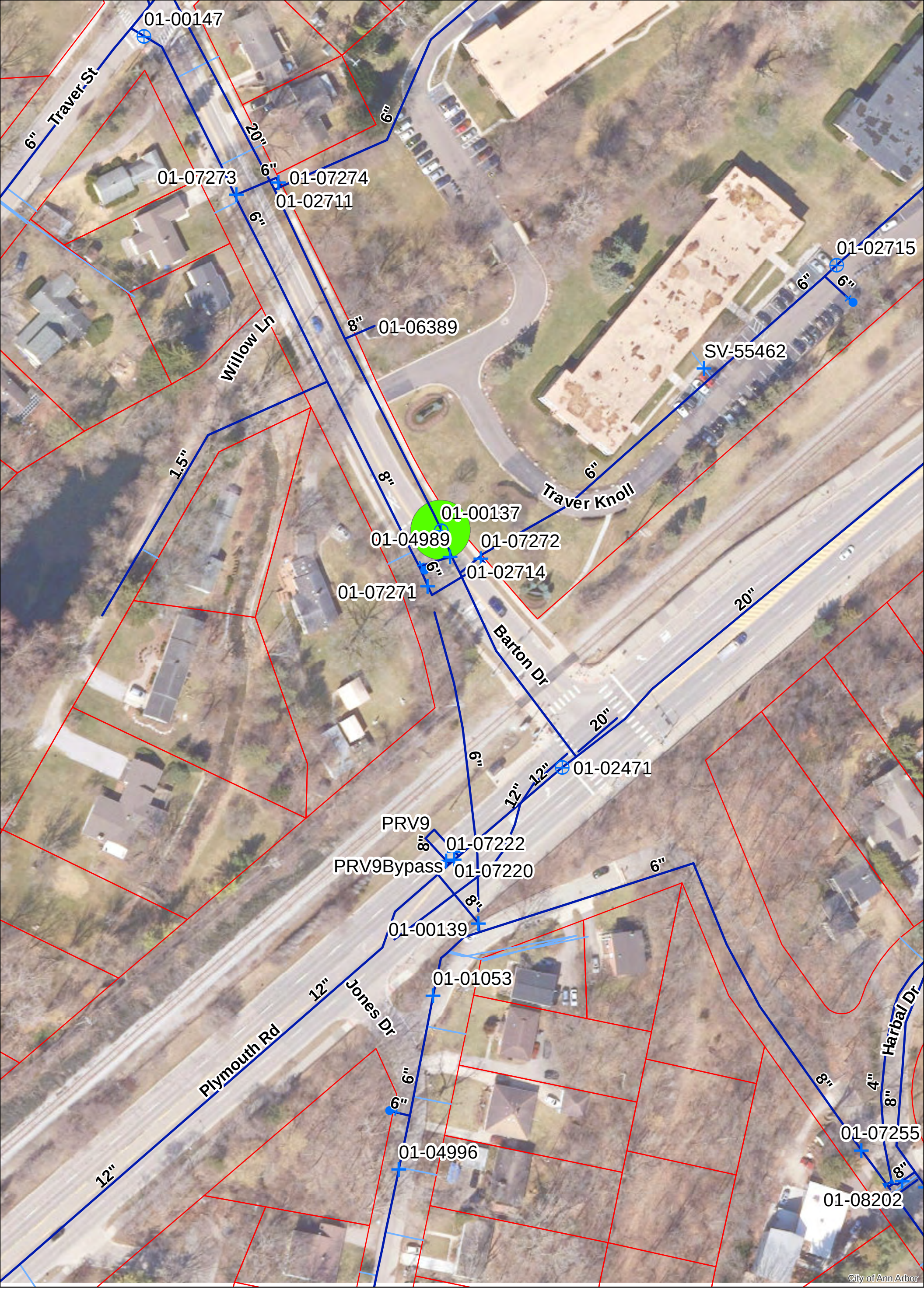
CITY OF ANN ARBOR
UTILITIES DEPARTMENT

TRAVER EXTENSION

DR BY: E.O.C.
APP. BY: W. H. A.
DATE: 1-21-31

SCALE: 1"=100'
NUMBER: A-14 TW 1

16" GVIW 01-00137



N

Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

0 0.0075 0.015 0.03 0.045 0.06 Miles

For terms and conditions please visit www.a2gov.org/terms

MITCHELL
81-09-21-101-009

1-STORY FRAME HOUSE

ESTHER SNYDER
81-09-21-100-031

#01-00137

GRADING LIMIT

TRAVER CREEK

STA. 4+47
LIMITS OF PAVING

ENGINEERING DEPARTMENT – CITY OF ANN ARBOR

BARTON DRIVE

UTILITY, PAVING & GRADING PLAN

AS-BUILT

SCALE	
HORZ.	1"=20'
VERT.	1"=4'
INCH	
DRAWING NO.	
SHEET NO. 17 OF 20	

NO. OR LETTER	REVISIONS	DR. BY	DATE
	AS-BUILTS	WAGS	4-98
	SIDEWALK & RR TRACKS	JF	4-29-91
	ORIGINAL ISSUE		2/25/91

SURVEY BOOK | DR. BY | CH. BY | DATE

EXISTING / PROPOSED
U.G. TELEPHONE
STORM SEWER
SANITARY SEWER
GAS MAIN
U.G. ELECTRIC
PROPERTY LINE

MCI JOB #89033
90061 - C/G7, R15, SW8



#01-00143
#01-00141
#01-00148
#01-00137
NORTHSIDE PUBLIC ELEMENTARY SCHOOL
TAYLOR STREET
BARTON
STARWICK
HEIGHTS
DRIVE
DAVID CT.
HIAWATHA PLACE
ASSESSOR PLAT 35
TRAIL
SERVICE DRIVE
PROPERTY
DRIVE
PARK
HURON RIVER
FLOWAGE RIGHT L.1043 P.271
CITY OF ANN ARBOR
LONGSHORE
CHANDLER
ROAD
AMHERST
AVENUE
INDIANOLA
DRIVE
OTTAWA
ROAD
ARGO
PONTIAC
DRIVE
APPLE
ST.
PEAR
TRAVER
JOHN A.
WOODS DR.
PEACH STREET
STREET
ASSESSOR'S PLAT
A.A.R.R.
JONES DRIVE
WOODSTREAM
PLYMOUTH ROAD
BROOKSIDE APTS.
KNOLL
TRAVER
BLDG. 1
BLDG. 3
FAIRVIEW CEMETERY
CITY OF ANN ARBOR
WRIGHT ST.
REFERENCE LINE
TWO INCHES
0 1 2
LAST UPDATED: 6.12.00 PJB
CITY OF ANN ARBOR
NORTH WEST
QUARTER SECTION 21
ANN ARBOR TOWNSHIP

WB M14 OFRP
WB M14 ONRP
24"
Whitmore Lake Rd
01-04983
01-04907
01-03926
01-02647
01-06387
01-04906
20"
Barton Shore Dr
WB M14
Barton Dr
EB M14
WB M14 OFRP to SB N Main
6"
City of Ann Arbor

16" GVIW 01-03926

N

Gate Valve, Well
Watermain
Area of Interest
Parcel

0 0.0075 0.015 0.03 0.045 0.06 Miles

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DUNN 200 11/75 86798

STA. 152+98.5
24" BUTTERFLY VALVE IN WELL # 4906

SEE SHEET # 84086-15W

MATCH LINE STA. 153+14

WARNING GAS MAIN

WARNING U.G. TELE

OVERHEAD TELEPHONE

GRAVEL SURFACE

STA. 151+79
SOLID SLEEVE

TB # 19

24" RIVER CROSSING

STA. 152+34
45° BEND
W/THRUST BLOCK

M-14 WEST R-D-W

HURON RIVER

STA. 148+31
24"x24"x24" TEE
WITH PLUG WEST

STA. 148+17.5
24" BUTTERFLY VALVE IN WELL # 4907

STA. 148+03
8 - 3/4 RODS
BETWEEN 24"x24" CROSS & 24"x20" CROSS

TB # 18

20" TEE

VALVE #3426

B.O. GATE

STA. 147+97
24" S. SLEEVE

24" BUTTERFLY VALVE IN WELL #4983

STA. 148+03
24" x 24" CROSS

24" BUTTERFLY VALVE IN GATE WELL # 4983

24" S. SLEEVE

24"x20" CROSS

BARTON DRIVE
(BITUMINOUS SURFACE)

WARNING GAS MAIN

STA. 144+61
BEGINNING OF 36" CASING PIPE

24" WATERMAIN

BARTON SHORE DR.

BM

WHITMORE LAKE RD.

TB # M

M-14 ENTRANCE EXIT RAMP

STA. 143+22 SEE SHEET # 84086-13W

STA. 143+70
END OF 36" CASING PIPE

91 L.F. 36" BORING W/36" STEEL CASING PIPE & 24" WATER MAIN

MATCH LINE STA. 143+22

TIMBER BLOCKING TO FIRM GROUND.

4' LENGTH OF 24" C.I. 250

8 - 3/4" ϕ STEEL RODS 4' LONG

TO RIVER

24"x20" CROSS

20"

4' LENGTH OF 20" C.I. 250

CONCRETE ENCASEMENT

EXISTING CROSS CONNECTION DETAIL
N.T.S.

Graphic Scale
Two Inches
0 1 2

6'-0"

#4 @ 3'-0"

3"

SECTION
N.T.S.

NOTE: ALL EXISTING UTILITIES ARE SHOWN APPROXIMATE ONLY.
REQUIRED COVER VARIES SEE PROFILE

153+00 152+00 151+00 150+00 149+00 148+00 147+00 146+00 145+00 144+00

10.5 L.F. OF 24" CL. 52 D.I.P. WITH POLYWRAP (VALVE-VERTICAL BEND)

STA. 153+14 45° VERTICAL BEND (ENCASED)

STA. 152+98.5 8" GAS 45° VERTICAL BEND (ENCASED)

U.G. TELEPHONE

64.5 L.F. OF 24" CL. 52 D.I.P. WITH RESTRAINED JOINTS AND POLYWRAP

55.5 L.F. OF 24" CL. 52 D.I.P. WITH RESTRAINED JOINTS AND POLYWRAP (SLEEVE-BEND)

STA. 151+79 END RIVER CROSSING WATER MAIN SOLID SLEEVE (PLUGGED)

348 L.F. OF 24" WATERMAIN (TEE-SOLID SLEEVE)

GRADE AT ℄ WATERMAIN

331 L.F. OF CL. 56 D.I.P. RIVER CROSSING WATERMAIN

5 L.F. OF 24" CL. 52 D.I.P. WITH POLYWRAP (VERTICAL BEND-VERTICAL BEND)

127 L.F. RESTRAINED JOINT PIPE

STA. 152+85 BUTTERFLY VALVE IN WELL

STA. 152+67 END RESTRAINED JOINT WATERMAIN

STA. 152+24 45° BEND

STA. 151+60 BEGIN RESTRAINED JOINT WATERMAIN

STA. 149+48 BEG. RIVER CROSSING WATERMAIN

33 L.F. OF 24" CL. 52 D.I.P. WITH POLYWRAP (VALVE-TEE)

45 L.F. OF 24" CL. 52 D.I.P. WITH POLYWRAP (CROSS-VALVE)

6 L.F. OF 24" CL. 52 D.I.P. WITH POLYWRAP (SOLID SLEEVE-CROSS)

120 L.F. OF 24" CL. 52 D.I.P. WITH POLYWRAP (AIR RELIEF SLEEVE)

STA. 148+31 24"x24"x24" TEE

STA. 148+17.5 BUTTERFLY VALVE IN WELL

STA. 148+03 24" CROSS

STA. 147+97 24" SOLID SLEEVE

STA. 146+20 8" GAS (HIGH PRESSURE)

STA. 144+61 BEG. OF CASING (SOUTH)

STA. 143+70 END OF CASING (NORTH)

91 L.F. 36" BORING W/36" STEEL CASING PIPE & 24" WATERMAIN

Digital Status
Scanned On: 7-12-05
By: DGK

LEGEND

- W — EXISTING WATER
- S — EXISTING STORM SEWER
- S — EXISTING SANITARY SEWER
- G — EXISTING GAS
- E — EXISTING UNDERGROUND ELECTRIC
- T — EXISTING UNDERGROUND TELEPHONE
- x — x EXISTING FENCE
- RP AERIAL REFERENCE POINT
- POWER POLE
- PROPOSED FIRE HYDRANT
- PROPOSED MANHOLE & VALVE
- PROPOSED WATERMAIN
- PROPOSED GATEVALVE & BOX
- TB1 SOIL TEST BORING (SEE SPECIFICATIONS)

BENCH MARKS

ELEVATION	DESCRIPTION
796.28	TOP CENT N ROCK PILLAR ON ROCK ENTRANCE WALL TO BARTON SHORE DR.

REV.			
REV.			
REV.			
REV.	D.F.	5-10-91	AS-BUILT
REV.	⚠	2/89	AS PER ADDENDUM #1
		1-89	ORIGINAL ISSUE

DRAWN BY: ALNM CHECKED BY: RGM

SEALED:

CITY OF ANN ARBOR, MICHIGAN
ENGINEERING DEPARTMENT
NORTHEAST TRANSMISSION WATER MAIN

WHITMORE LAKE ROAD RIVER CROSSING STA. 143+22 TO STA. 153+14

DIVISION II

Ayres, Lewis, Norris & May, Inc.
Engineers · Architects · Planners
Ann Arbor, Michigan
SCALE: VERT. 1"=4' HOR. 1"=40'

84086-14W

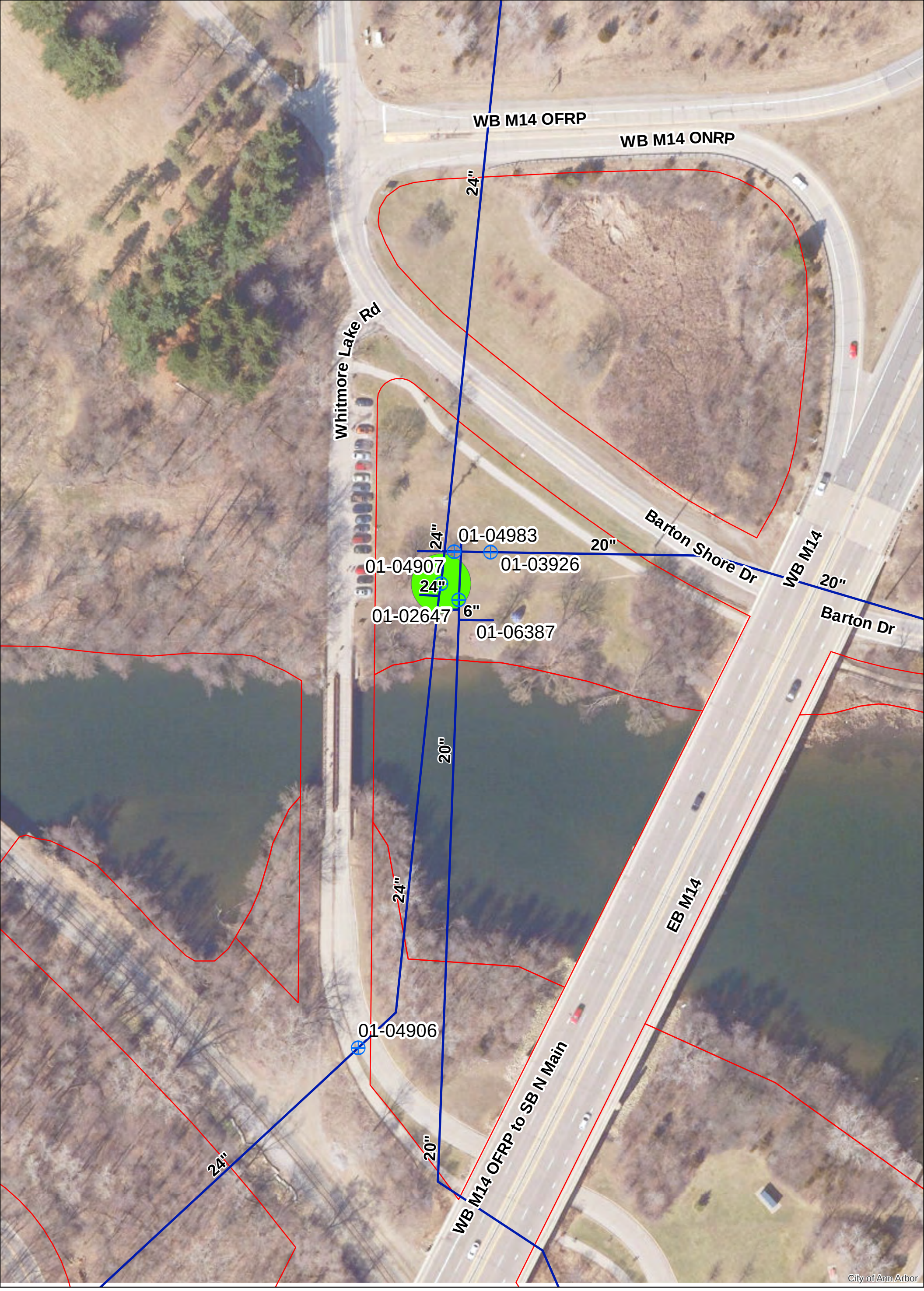
REVISION 1

ALNM 52508

A.A.S.C. 20378

ABRAMS AERIAL SURVEY CORPORATION

24" GVIW 01-04907



N

Gate Valve, Well | Watermain | Area of Interest | Parcel

0 0.0075 0.015 0.03 0.045 0.06 Miles

For terms and conditions please visit www.a2gov.org/terms

DUNN 200 11/75 86798

STA. 152+98.5
24" BUTTERFLY VALVE IN WELL # 4906

SEE SHEET # 84086-15W

MATCH LINE STA. 153+14

WARNING GAS MAIN

WARNING U.G. TELE

OVERHEAD TELEPHONE

GRAVEL SURFACE

STA. 151+79
SOLID SLEEVE

TB # 19

24" RIVER CROSSING

STA. 152+34
45° BEND
W/THRUST BLOCK

M-14 WEST R-D-W

HURON RIVER

STA. 148+31
24"x24"x24" TEE
WITH PLUG WEST

STA. 148+17.5
24" BUTTERFLY VALVE IN WELL # 4907

STA. 148+03
8 - 3/4 RODS
BETWEEN 24"x24" CROSS & 24"x20" CROSS

TB # 18

20" TEE

VALVE #3426

B.O. GATE

STA. 147+97
24" S. SLEEVE

24" BUTTERFLY VALVE IN WELL #4983

STA. 148+03
24" x 24" CROSS

24" BUTTERFLY VALVE IN GATE WELL # 4983

24" S. SLEEVE

24"x20" CROSS

BARTON DRIVE
(BITUMINOUS SURFACE)

WARNING GAS MAIN

STA. 144+61
BEGINNING OF 36" CASING PIPE

24" WATERMAIN

BARTON SHORE DR.

BM

WHITMORE LAKE RD.

TB # M

M-14 ENTRANCE EXIT RAMP

STA. 143+22 SEE SHEET # 84086-13W

STA. 143+70
END OF 36" CASING PIPE

91 L.F. 36" BORING W/36" STEEL CASING PIPE & 24" WATER MAIN

MATCH LINE STA. 143+22

TIMBER BLOCKING TO FIRM GROUND.

4' LENGTH OF 24" C.I. 250

8 - 3/4" ϕ STEEL RODS 4' LONG

TO RIVER

24"x20" CROSS

20"

4' LENGTH OF 20" C.I. 250

CONCRETE ENCASEMENT

EXISTING CROSS CONNECTION DETAIL
N.T.S.

Graphic Scale
Two Inches
0 1 2

6'-0"

#4 @ 3'-0"

3"

SECTION
N.T.S.

NOTE: ALL EXISTING UTILITIES ARE SHOWN APPROXIMATE ONLY.
REQUIRED COVER VARIES SEE PROFILE

153+00 152+00 151+00 150+00 149+00 148+00 147+00 146+00 145+00 144+00

10.5 L.F. OF 24" CL. 52 D.I.P. WITH POLYWRAP (VALVE-VERTICAL BEND)

STA. 153+14 45° VERTICAL BEND (ENCASED)

STA. 152+98.5 8" GAS 45° VERTICAL BEND (ENCASED)

U.G. TELEPHONE

64.5 L.F. OF 24" CL. 52 D.I.P. WITH RESTRAINED JOINTS AND POLYWRAP

55.5 L.F. OF 24" CL. 52 D.I.P. WITH RESTRAINED JOINTS AND POLYWRAP (SLEEVE-BEND)

STA. 151+79 END RIVER CROSSING WATER MAIN SOLID SLEEVE (PLUGGED)

348 L.F. OF 24" WATERMAIN (TEE-SOLID SLEEVE)

GRADE AT ℄ WATERMAIN

331 L.F. OF CL. 56 D.I.P. RIVER CROSSING WATERMAIN

5 L.F. OF 24" CL. 52 D.I.P. WITH POLYWRAP (VERTICAL BEND-VERTICAL BEND)

127 L.F. RESTRAINED JOINT PIPE

STA. 152+85 BUTTERFLY VALVE IN WELL

STA. 152+67 END RESTRAINED JOINT WATERMAIN

STA. 152+24 45° BEND

STA. 151+60 BEGIN RESTRAINED JOINT WATERMAIN

STA. 149+48 BEG. RIVER CROSSING WATERMAIN

33 L.F. OF 24" CL. 52 D.I.P. WITH POLYWRAP (VALVE-TEE)

45 L.F. OF 24" CL. 52 D.I.P. WITH POLYWRAP (CROSS-VALVE)

6 L.F. OF 24" CL. 52 D.I.P. WITH POLYWRAP (SOLID SLEEVE-CROSS)

120 L.F. OF 24" CL. 52 D.I.P. WITH POLYWRAP (AIR RELIEF SLEEVE)

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STA. 148+17.5 BUTTERFLY VALVE IN WELL

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STA. 147+97 24" SOLID SLEEVE

STA. 146+20 8" GAS (HIGH PRESSURE)

STA. 144+61 BEG. OF CASING (SOUTH)

STA. 143+70 END OF CASING (NORTH)

91 L.F. 36" BORING W/36" STEEL CASING PIPE & 24" WATERMAIN

Digital Status
Scanned On: 7-12-05
By: DGK

LEGEND

- W — EXISTING WATER
- S — EXISTING STORM SEWER
- S — EXISTING SANITARY SEWER
- G — EXISTING GAS
- E — EXISTING UNDERGROUND ELECTRIC
- T — EXISTING UNDERGROUND TELEPHONE
- x — x EXISTING FENCE
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- PROPOSED FIRE HYDRANT
- PROPOSED MANHOLE & VALVE
- PROPOSED WATERMAIN
- PROPOSED GATEVALVE & BOX
- TB1 SOIL TEST BORING (SEE SPECIFICATIONS)

BENCH MARKS

ELEVATION	DESCRIPTION
796.28	TOP CENT N ROCK PILLAR ON ROCK ENTRANCE WALL TO BARTON SHORE DR.

REV.			
REV.			
REV.			
REV.	D.F.	5-10-91	AS-BUILT
REV.	⚠	2/89	AS PER ADDENDUM #1
		1-89	ORIGINAL ISSUE

DRAWN BY: ALNM CHECKED BY: RGM

SEALED:

CITY OF ANN ARBOR, MICHIGAN
ENGINEERING DEPARTMENT
NORTHEAST TRANSMISSION WATER MAIN

WHITMORE LAKE ROAD RIVER CROSSING STA. 143+22 TO STA. 153+14

DIVISION II

Ayres, Lewis, Norris & May, Inc.
Engineers · Architects · Planners
Ann Arbor, Michigan
SCALE: VERT. 1"=4' HOR. 1"=40'

84086-14W

REVISION 1

ALNM 52508

A.A.S.C. 20378

ABRAMS AERIAL SURVEY CORPORATION

17

BARTON LANE

X-WAY R.O.W.

1716

5-A-104A

5-A-104C

LARKSPUR ST.

M-14 R.O.W.

WHITMORE LAKE RD.

BARTON SHORE

CONSOLIDATED R.R.

TWP.

A-5

A-6
ANNEXED TO CITY 4-8-87

A-9

IN CITY

RAMP "C"

RAMP "D"

RAMP "H"

84086-13

84086-14

84086-15

36" STEEL CASING PIPE

5-A-104F

5-A-104D

OUTLOT "B"

CLOVERDALE

BROOKSIDE DR.

BARTON DR.

HURON RIVER DR.

HURON RIVER

L.1043 P.271

L.1042 P.271

SEE PLAN SHEET 84086-14 FOR INTERCONNECTION DETAIL.

#01-04907

#01-03926

4983

4907

4906

4905

4904

3926

2647

2683

24"x24" CROSS PLUG W.

24"x20" CROSS 20" PLUG W.

24" PLUG W.

20" PLUG W.

B.O. GATE

1" B.O.

1½"B.O.

20' WIDE WATER EASEMENT GREENE & JOHNSON L. 946 P. 595

PART OF 09-20-101-107

09-20-101-07

09-17-400-18

CITY OF ANN ARBOR

N

W E

S

GRAPHIC SCALE
0 100 200

LAST UPDATE: 8-6-96 SMJ

CITY OF ANN ARBOR

SOUTHEAST QUARTER SECTION 17

ANN ARBOR TOWNSHIP

SCALE:	GRAPHIC	DATE
DR. BY	NCF	9-92
CH. BY	JTZ	9-92

WATER

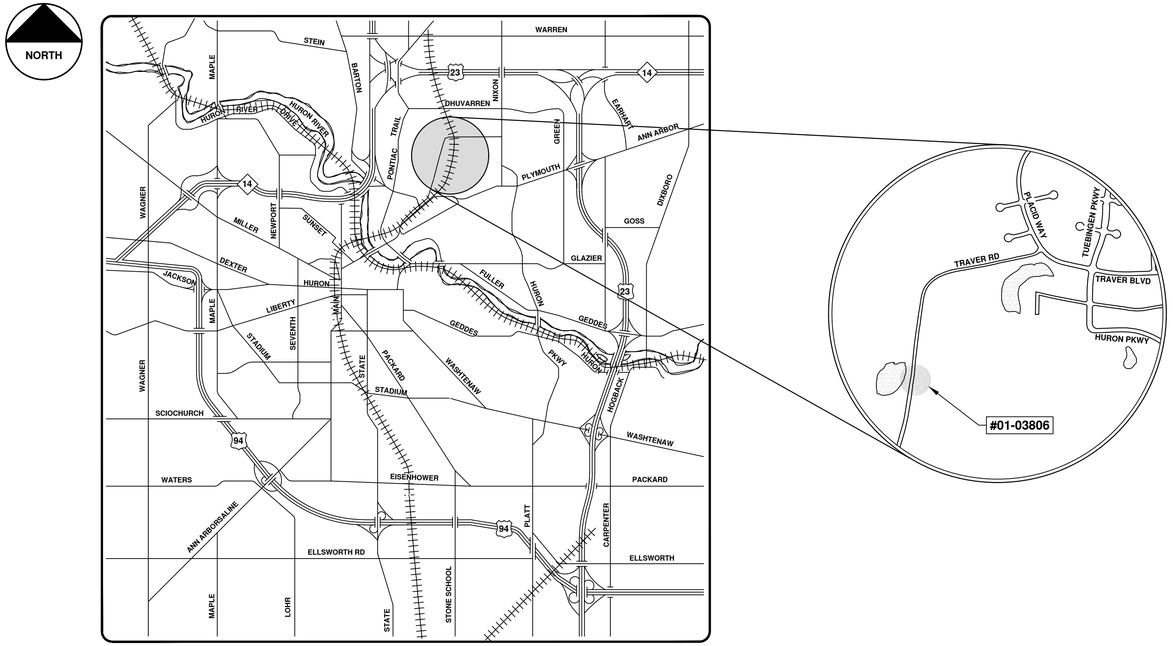
17
20

1716
2021

2022 VALVE REPLACEMENT PROJECT

TRAVER ROAD

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
42	TRAVER ROAD
43	REPLACE 01-03806



VICINITY MAP

ENGINEERING
CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET, P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
734-794-6410 www.a2gov.org

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734-794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE

DRAWING No. 2022023-42

SHEET No. 42 OF 112

© 2022 VALVE REPLACEMENT PROJECT; BID No. BID NO; 2022023

R:\2022023 Valve Replacement Project\Plan Production\2022023Cov.dwg - _a2 standard bw.stb - Plot Date: 12/6/2021 3:24:11 PM



Gate Valve, Box
Gate Valve, Well
Hydrant
Watermain
Water Lateral
Area of Interest
Parcel

16" GVIW 01-03806

For terms and conditions please visit www.a2gov.org/terms

0 0.0075 0.015 0.03 0.045 0.06 Miles

N

FORM 3 K&E 10 9155 7-69

Note :
5'-5.5' of Cover to be Maintained Over Water Main. Water Main to be North of Toe of Slope of Fill For Proposed Huron Parkway.

NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

#01-03806

TRAVER RD.

HURON PARKWAY

Proposed Huron Parkway

Twp. Property

City of Ann Arbor Park Property

City Park Property

TRAVER LAKES

TUEBINGEN PKWY.

16"G.V. #3807 IN M.H. 25'S. OF N.PL. OF HURON PKWY. OR W. PL. OF TUEBINGEN PKWY.

12"G.V. #3808 IN M.H. 25'S. OF N.PL. OF HURON PKWY. ON E. PL. OF TUEBINGEN PKWY.

70'OF16"S-B

131'OF16"S-G.V.

29'OF16"G.V.-T

2-16"-45°B

593'OF16"S. OF CROSSING-B

532'OF16"G.V.-B

46'OF16"B-B

94'OF16"B-W.OF CASING

101'OF30"Steel Encasement Pipe Installed by Boring & Tacking

23'OF16" T-EXIST. 16"

7'OF12"G.V.-T

12"X6"T PLUGGED E.F.S.

51'OF12"RED.-G.V.

16"X12"RED.

20'OF16"T-RED.

16"X16"Tee

Remove Plug & conn. to Exist. 16"

6" SERVICE FOR GOLF CLUB HOUSE

8" W. MAIN FROM PUMP HOUSE

Exist. Profile over 16" Sanitary Sewer

PROP. PROFILE OF ℄ OF HURON PKWY.

EXIST. PROFILE OF ℄ OF HURON PKWY.

SEE 40' SCALE DRWG.

PROFILE

SCALE 0 20 50 100 FEET

VERT. SCALE: 1"=16'

AS BUILT DRAWING

CORRECTED 7-30-73

MICH. DEPT. OF HEALTH PERMIT NO. W720317

CONSTRUCTION COMPLETED 7-17-73

BACTERIOLOGICAL TEST 7-15-73

PRESSURE TEST 7-16-73

Digital Status
Scanned On: 8/2006
By: NAM

CITY OF ANN ARBOR UTILITIES DEPARTMENT

PREPARED UNDER SUPERVISION OF

SUPERINTENDENT OF UTILITIES

TRAVER RD. FROM EXISTING 16" W. MAIN EAST TO TUEBINGEN PKWY.

SCALE	1"=100'	DATE	REV.	AUTHORITY NUMBER
DR-BY	E.H.	9-7-71	J.J.D. 6-25-72	A-485W
CH-BY	D.O.		D.O. 7-6-72	

2-12-73

16

PONTIAC

01

321

HEIGHTS

ARROW-WOOD TRAIL

CITY OF ANN ARBOR
PARK LAND 5 MAY 1997

LESLIE GOLF COURSE

04

400

HURON PKWY.

#01-03806

APPROXIMATE LOCATION OF EXISTING IRRIGATIONAL WATER SYSTEM.

6" SERVICE FOR GOLF PUMPING HOUSE

1615

15-8C

15-8B

N

W E

S

GRAPHIC SCALE
0 100' 200'

BLACK POND

06

05

400

TRAVER RD.

A.A.R.R. R.O.W.

TRAVER PARK APTS

PART OF
09-15-300-01

1615
2122

27
UPLAND SUB.

TIBBITS CT.

STARWICK

HEIGHTS NO. 2

16
21

TWP
LESLIE PARK ADD.

LAST UPDATE : OCT 98 TLF

CITY OF ANN ARBOR

SOUTH EAST
QUARTER SECTION 16

ANN ARBOR TOWNSHIP

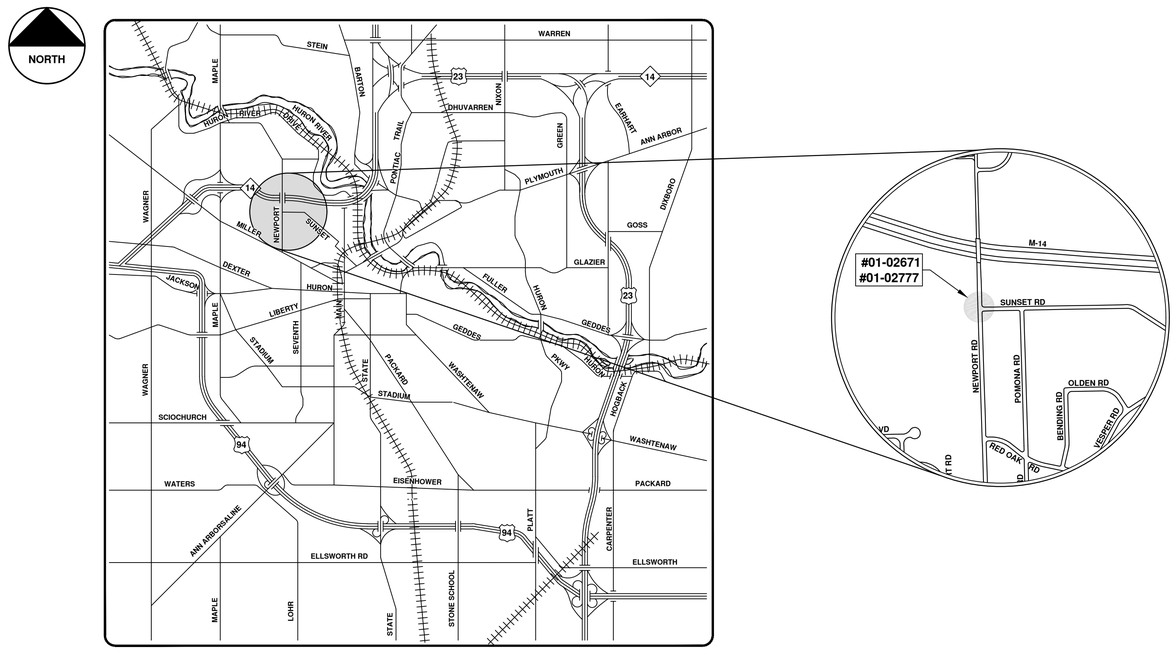
SCALE:	GRAPHIC	DATE
DR. BY	CADCO	5/22/91
CH. BY	J.T.Z.	-

WATER

2022 VALVE REPLACEMENT PROJECT

SUNSET ROAD & NEWPORT ROAD

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
46	SUNSET ROAD & NEWPORT ROAD
47	REPLACE 01-02671
49	REPLACE 01-02777



VICINITY MAP

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ANN ARBOR, MICHIGAN 48107-8647
734-794-6410 www.a2gov.org

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE

DRAWING No. 2022023-46

SHEET No. 46 OF 112

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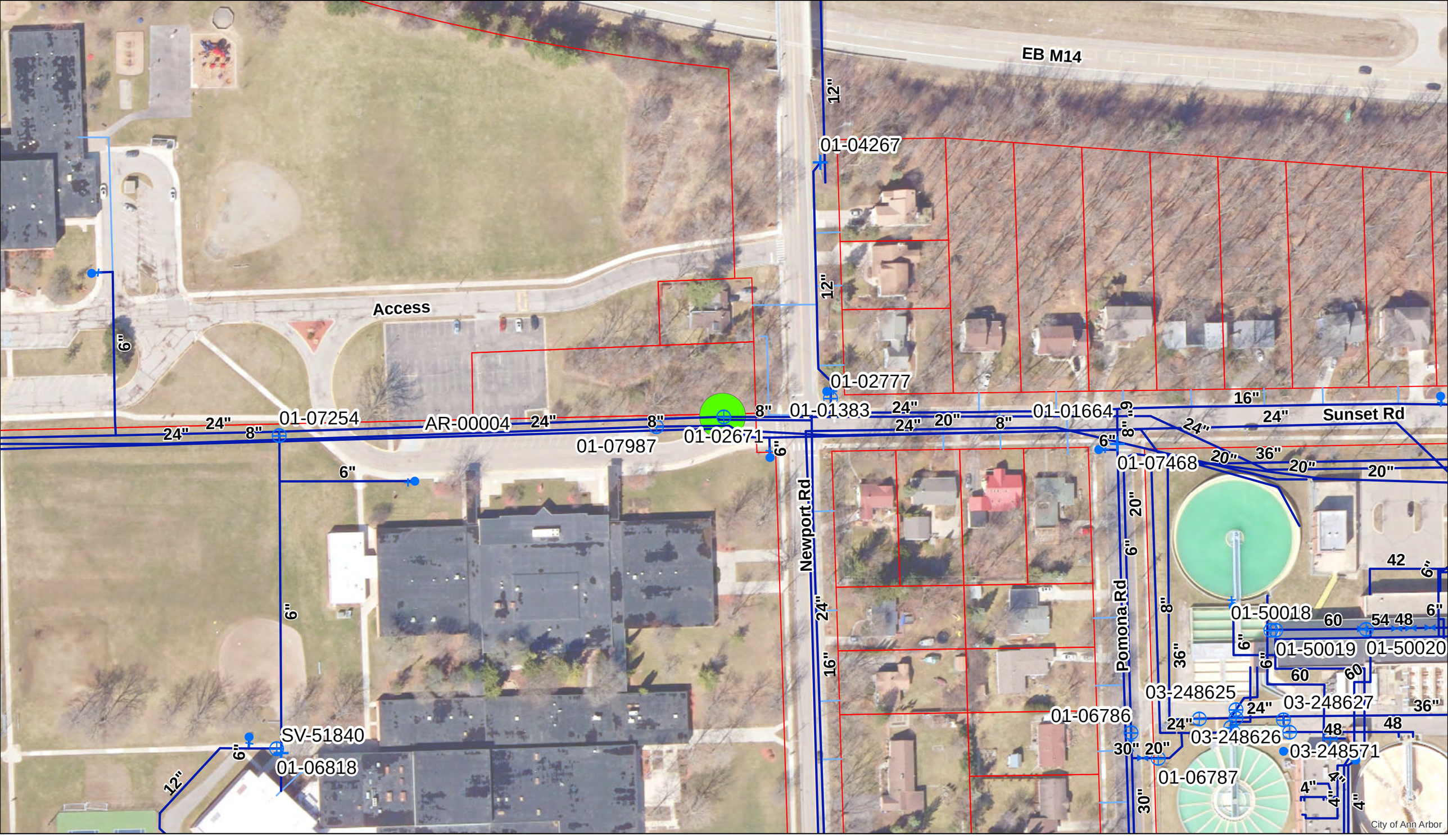
R:\2022023 Valve Replacement Project\Plan Production\2022023cov.dwg - _a2 standard bw.stb - Plot Date: 12/6/2021 3:24:18 PM



Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

20" GVIW 01-02671

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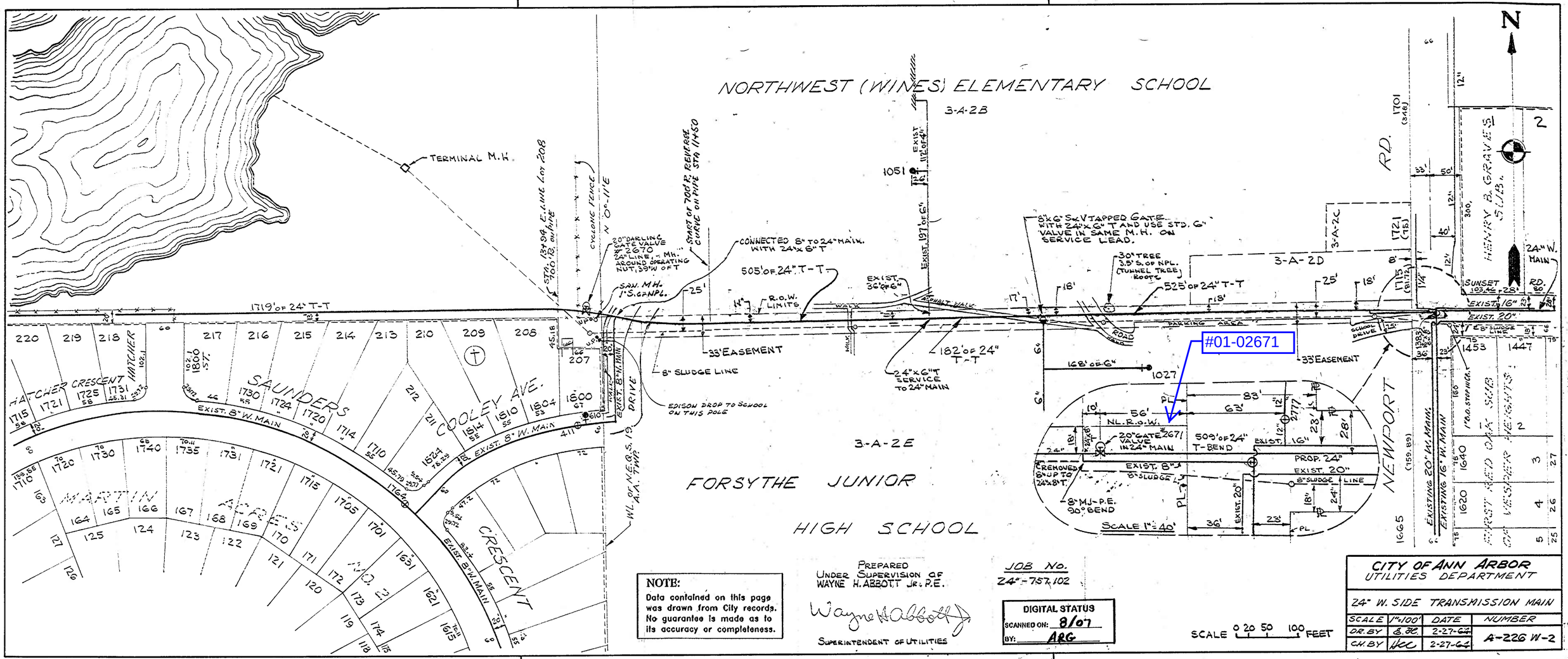
0 0.0075 0.015 0.03 0.045 0.06 Miles

N



NOTE:
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PREPARED UNDER SUPERVISION OF WAYNE H. ABBOTT JR., P.E.

Wayne H. Abbott

SUPERINTENDENT OF UTILITIES

JOB NO. 24"-757.102

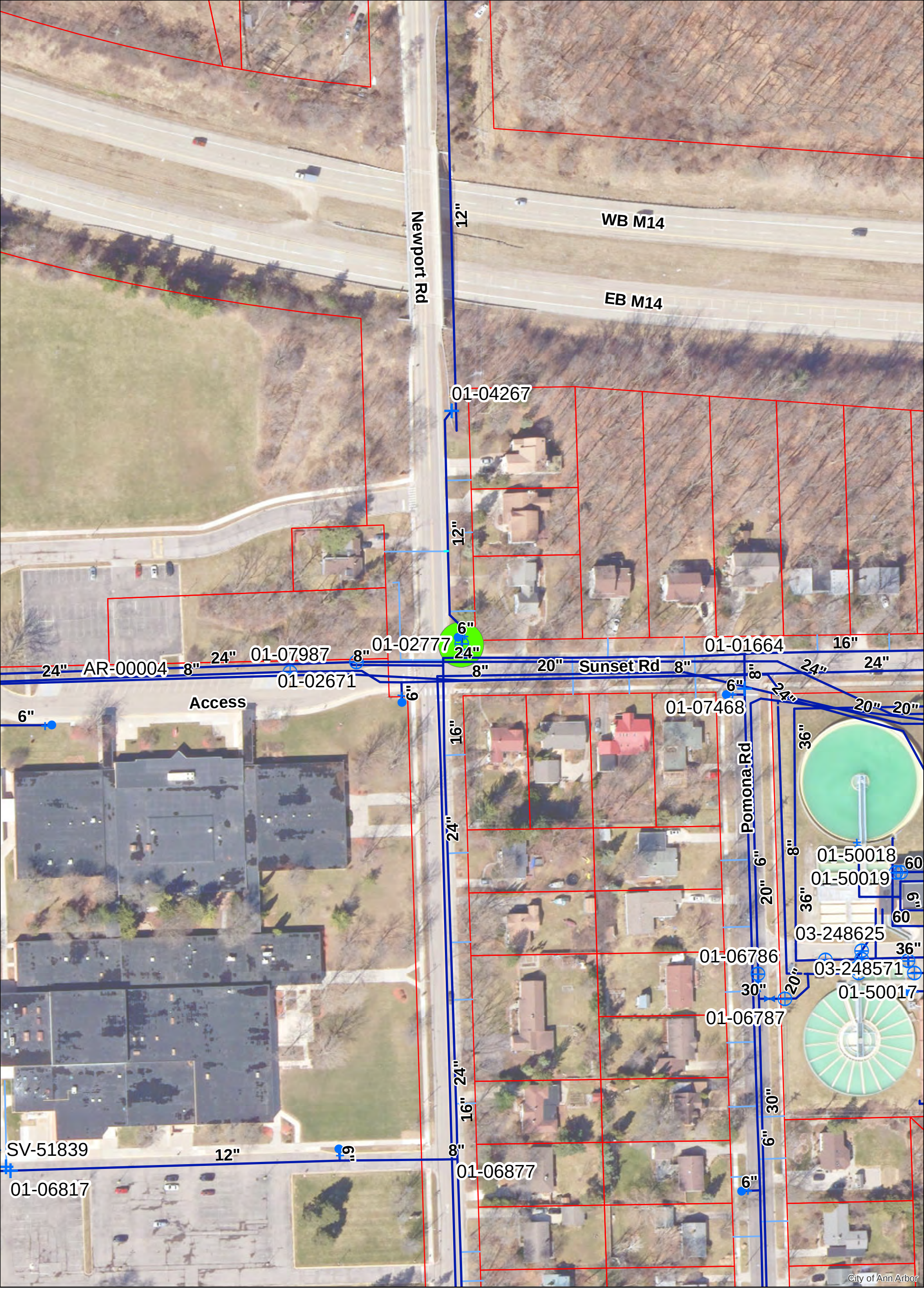
DIGITAL STATUS
SCANNED ON: 8/07
BY: ARG

CITY OF ANN ARBOR
UTILITIES DEPARTMENT

24" W. SIDE TRANSMISSION MAIN

SCALE	1"=100'	DATE	NUMBER
DR. BY	E.R.	2-27-64	A-226 W-2
CH. BY	HCC	2-27-64	

12" GVIW 01-02777



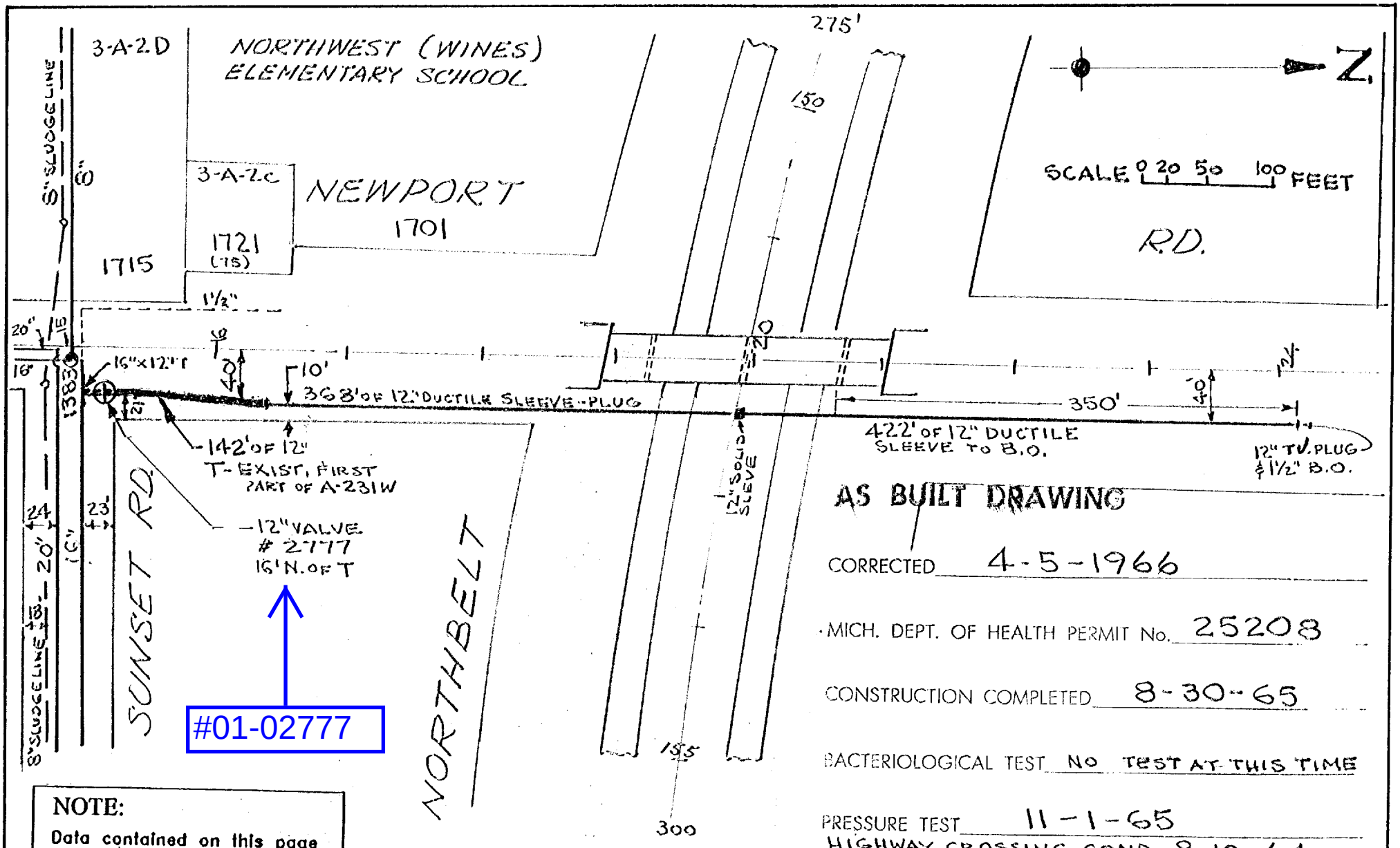
N

CITY OF ANN ARBOR MICHIGAN

Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

0 0.0075 0.015 0.03 0.045 0.06 Miles

For terms and conditions please visit www.a2gov.org/terms



AS BUILT DRAWING

CORRECTED 4-5-1966

MICH. DEPT. OF HEALTH PERMIT No. 25208

CONSTRUCTION COMPLETED 8-30-65

BACTERIOLOGICAL TEST NO TEST AT THIS TIME

PRESSURE TEST 11-1-65

HIGHWAY CROSSING COMP. 8-10-64

NOTE:
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DIGITAL STATUS
SCANNED ON: 7/07
BY: NAM

PREPARED UNDER SUPERVISION OF WAYNE H. ABBOTT JR. P.E.

Wayne H. Abbott Jr.
SUPERINTENDENT OF UTILITIES

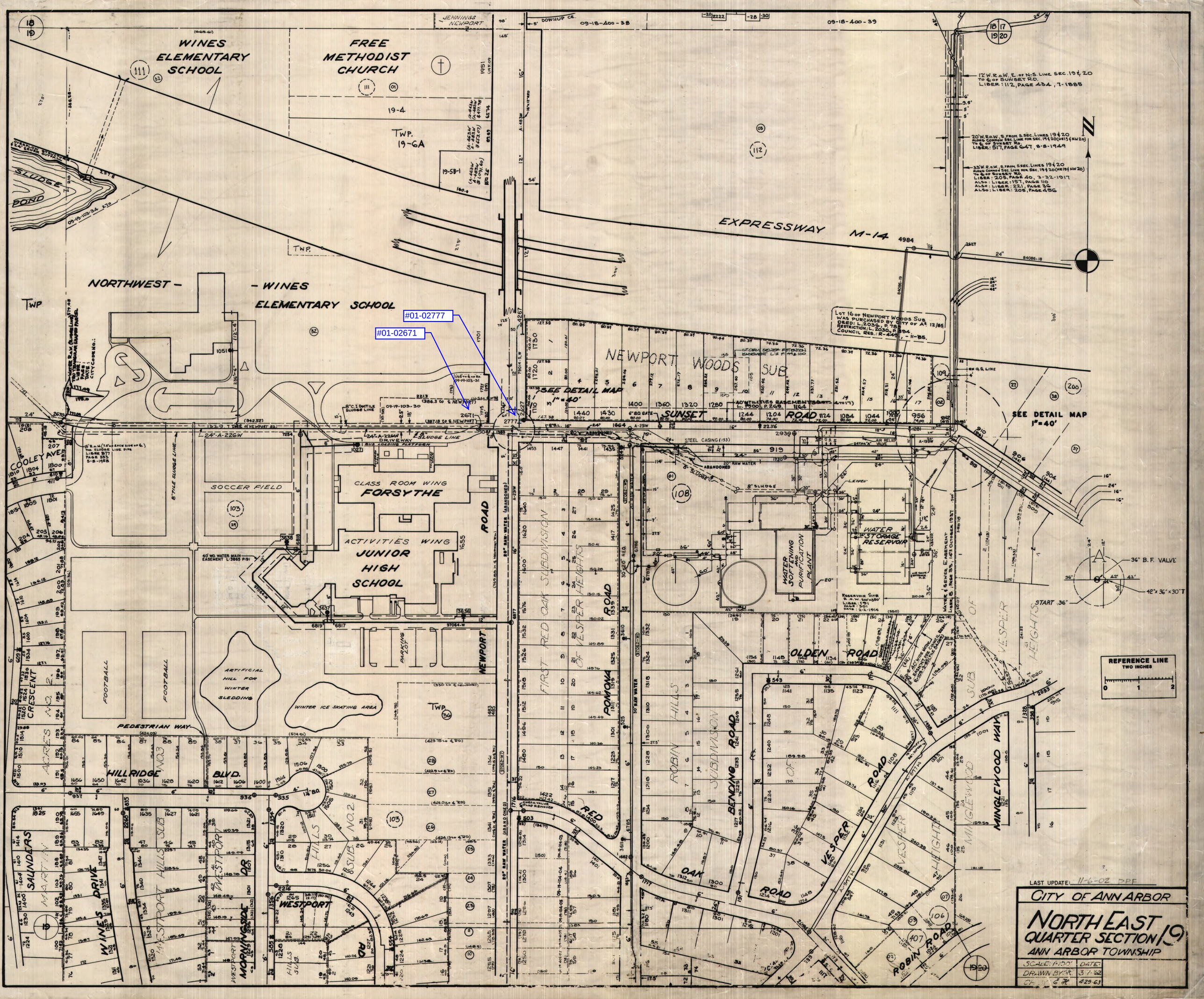
JOB NO. 12" - 762.292

CITY OF ANN ARBOR
UTILITIES DEPARTMENT

NEWPORT RD. AT NORTHBELT

SCALE	1"=100'	DATE	NUMBER
DR. BY	E.H.	8-6-64	A-231W
CH. BY	HCC	9-22-64	

6

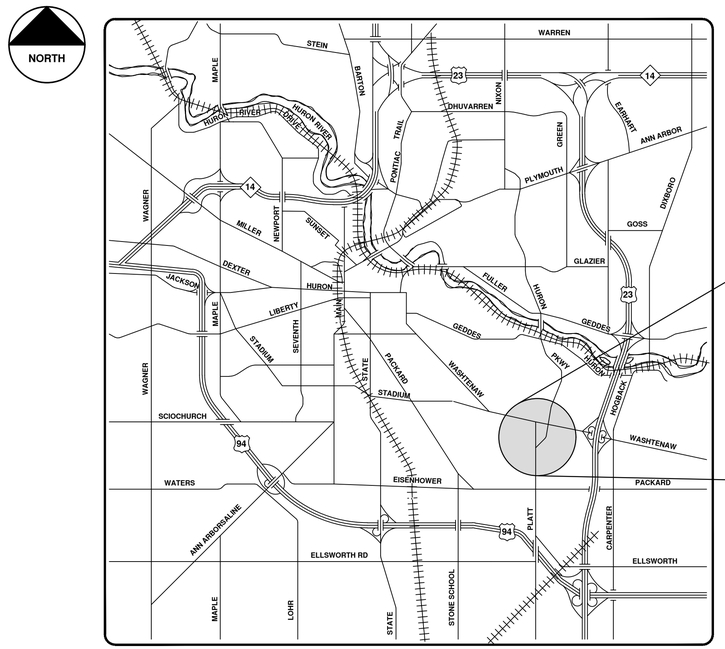


WINES ELEMENTARY SCHOOL
FREE METHODIST CHURCH
TWP. 19-6A
SLUDGE POND
EXPRESSWAY M-14
NORTHWEST - WINES ELEMENTARY SCHOOL
#01-02777
#01-02671
NEWPORT WOODS SUB
SEE DETAIL MAP 1"=40'
SUNSET ROAD
SEE DETAIL MAP 1"=40'
COOLEY AVE.
SOCCER FIELD
CLASS ROOM WING
FORSYTHE
ACTIVITIES WING
JUNIOR HIGH SCHOOL
NEWPORT ROAD
FIRST RED OAK SUBDIVISION
OF VESPER HEIGHTS
POMONA ROAD
WATER STORAGE RESERVOIR
WATER SOFTENING AND PURIFICATION PLANT
OLDEN ROAD
ROBIN HILLS SUBDIVISION
BENDING ROAD
RED OAK ROAD
VESPER ROAD
MINGLEWOOD WAY
ROBIN ROAD
FOOTBALL
FOOTBALL
ARTIFICIAL HILL FOR WINTER SLEDDING
WINTER ICE SKATING AREA
PEDESTRIAN WAY
HILLRIDGE BLVD.
CRESCENT
SAUNDERS
WINES DRIVE
WESTPORT HILLS SUB
WESTPORT DR
MORNINGSIDE
WESTPORT RD
REFERENCE LINE TWO INCHES
LAST UPDATE: 11-6-02 DPF
CITY OF ANN ARBOR
NORTH EAST QUARTER SECTION 19
ANN ARBOR TOWNSHIP
SCALE: 1:100'
DATE:
DRAWN BY: 3-7-62
4-29-63

2022 VALVE REPLACEMENT PROJECT

HURON PARKWAY

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
52	HURON PARKWAY
53	REPLACE 01-02872



VICINITY MAP

ENGINEERING
CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET, P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
734-794-6410 www.a2gov.org

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
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REV.	DESCRIPTION	DATE	BY	DRAWN	BY	CHECKED
00	COPY TO NEXT LINE AND EDIT THE TEXT	DATE	BY			

Know what's below. Call before you dig.

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE

DRAWING No. 2022023-52

SHEET No. 52 OF 112

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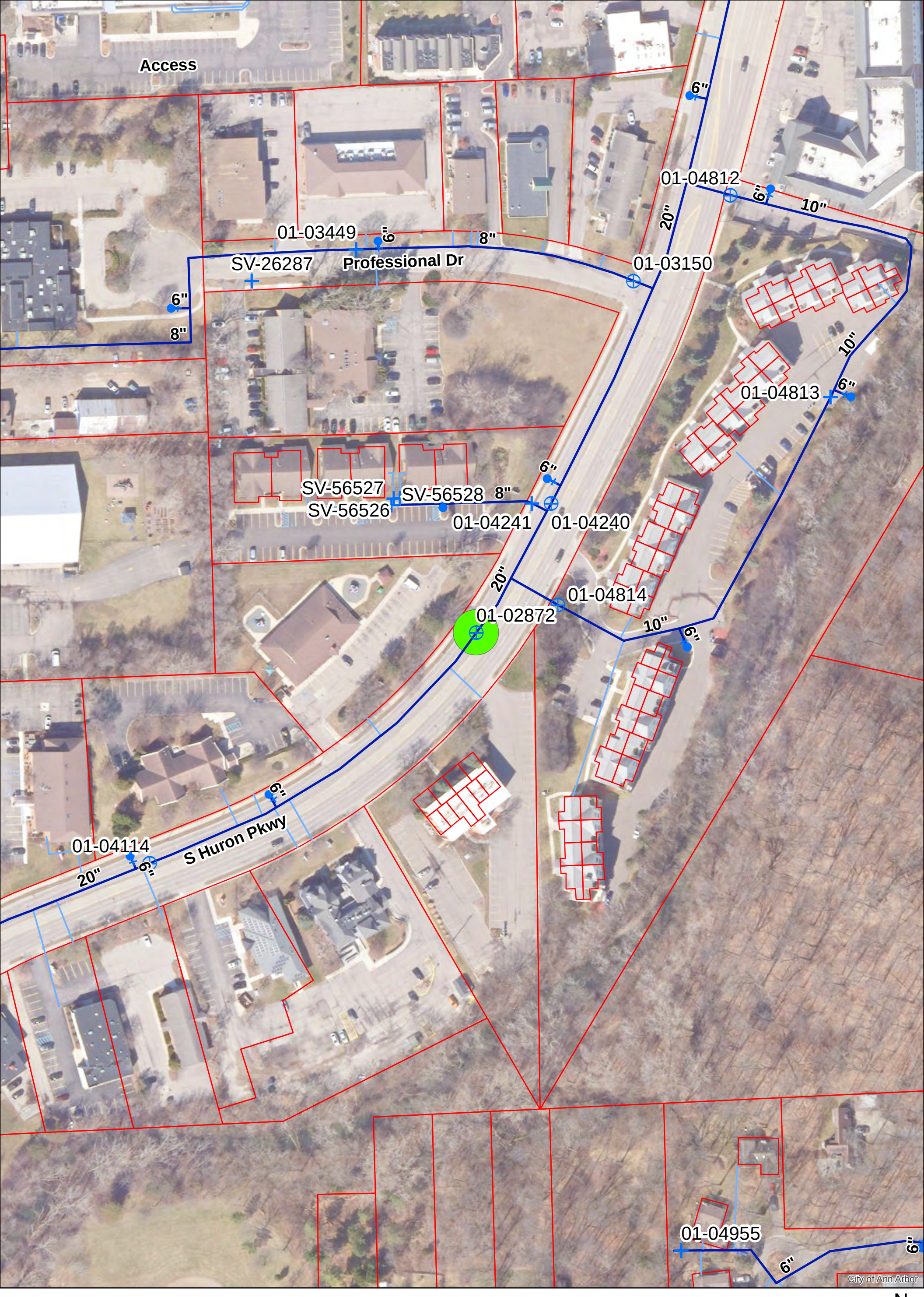
R:\2022023 Valve Replacement Project\Plan Production\2022023Cov.dwg – _a2 standard bw.stb – Plot Date: 12/6/2021 3:24:23 PM

16" GVIW 01-02872

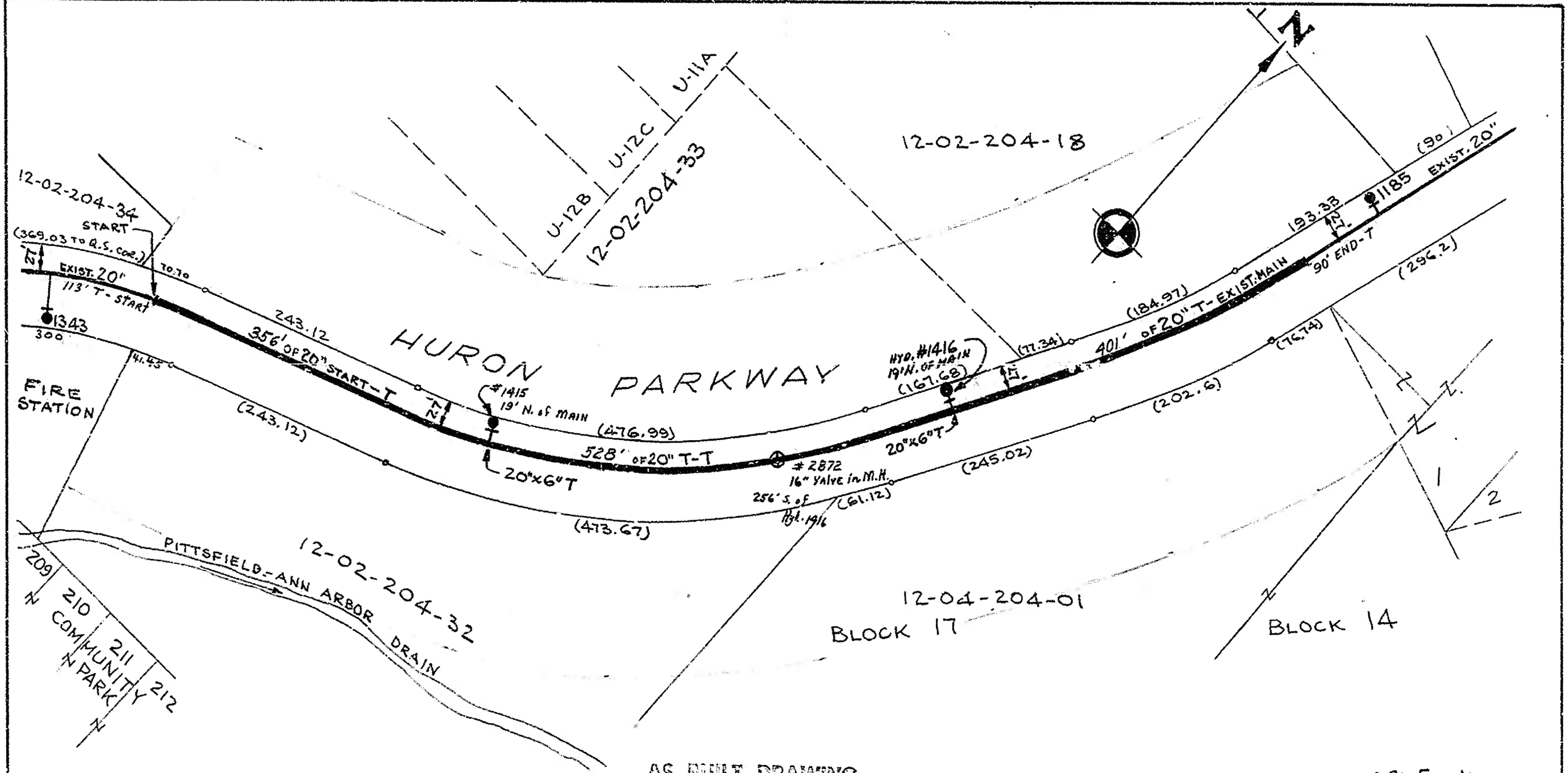


N

Gate Valve, Box
Gate Valve, Well
Hydrant
Watermain
Water Lateral
Area of Interest
Parcel

0 0.0075 0.015 0.03 0.045 0.06 Miles

For terms and conditions please visit www.a2gov.org/terms



AS BUILT DRAWING

CORRECTED 1-26-67

MICH. DEPT. OF HEALTH PERMIT No. 28802

CONSTRUCTION COMPLETED 10-5-66

BACTERIOLOGICAL TEST 10-12-66

PRESSURE TEST 10-5-66

SCALE 0 20 50 100 FEET

DIGITAL STATUS
SCANNED ON: 7/07
BY: ARG

NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

PREPARED
UNDER SUPERVISION OF
WAYNE H. ABBOTT, Jr., P.E.

SUPERINTENDENT OF UTILITIES

Job No.
20" - 761.145
HYD. - 765.214
NEW
20" - 762.439
HYD. - 762.440

CITY OF ANN ARBOR
UTILITIES DEPARTMENT

HURON PARKWAY
EXTENSION 20" W. MAIN

SCALE	1"=100'	DATE	NUMBER
DR. BY	E.H.	5-9-66	A-293 W
CH. BY	HCC	5-11-66	

#01-02872

CITY OF ANN ARBOR

NORTH WEST 2 QUARTER SECTION 2

PITTSFIELD TOWNSHIP

SCALE: 1" = 100'	DATE:
DRAWN BY: R	12/10/62
CH. BY: C. H.	4-24-63

LAST UPDATE: 8/03 JJM

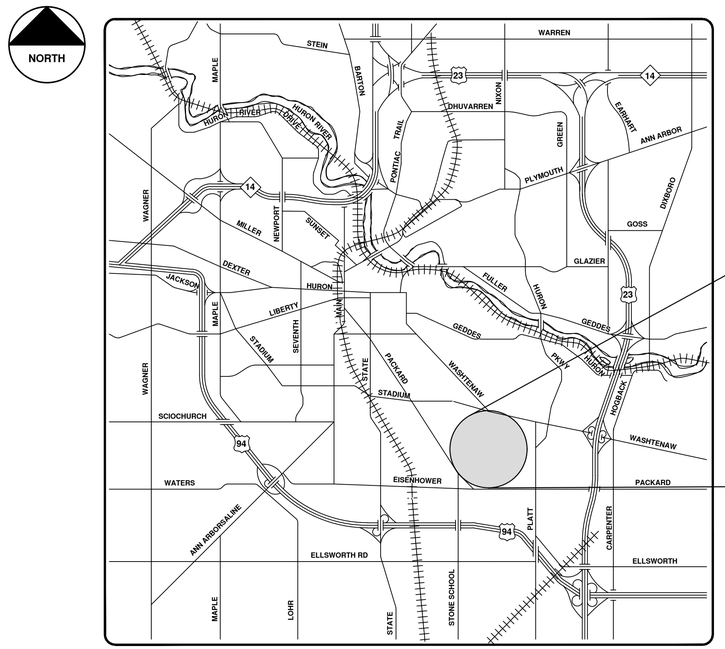
REFERENCE LINE
TWO INCHES
0 1 2

NOTE
LOCATION & SIZE OF MAINS IN BLOCKS 9-16 - RELATIVE. NO SUFFICIENT DATA AVAILABLE.

2022 VALVE REPLACEMENT PROJECT

DORCHESTER ROAD

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
56	DORCHESTER ROAD
57	REPLACE 01-00525



VICINITY MAP

ENGINEERING

CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET, P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
734-794-6410 www.a2gov.org

REV.	DESCRIPTION	DATE	BY	DRAWN	BY	CHECKED
00	COPY TO NEXT LINE AND EDIT THE TEXT	DATE	BY			

CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE

DRAWING No. 2022023-56

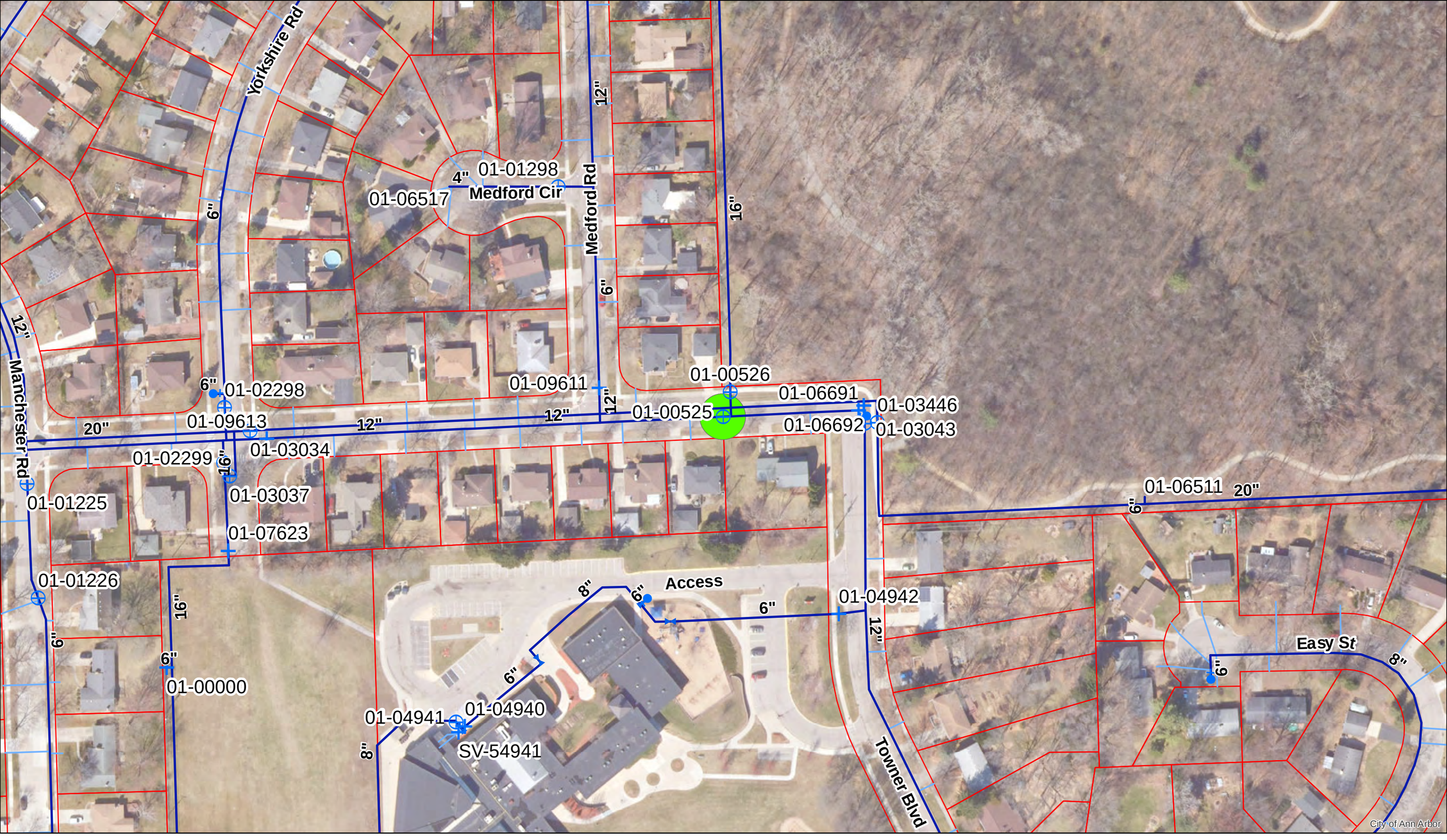
SHEET No. 56 OF 112

© 2022 VALVE REPLACEMENT PROJECT; BID No. BID NO; 2022023

Know what's below. Call before you dig. 811

R:\2022023 Valve Replacement Project\Plan Production\2022023Cov.dwg - _a2 standard bw.stb - Plot Date: 12/6/2021 3:24:28 PM

12" GVIW 01-00525

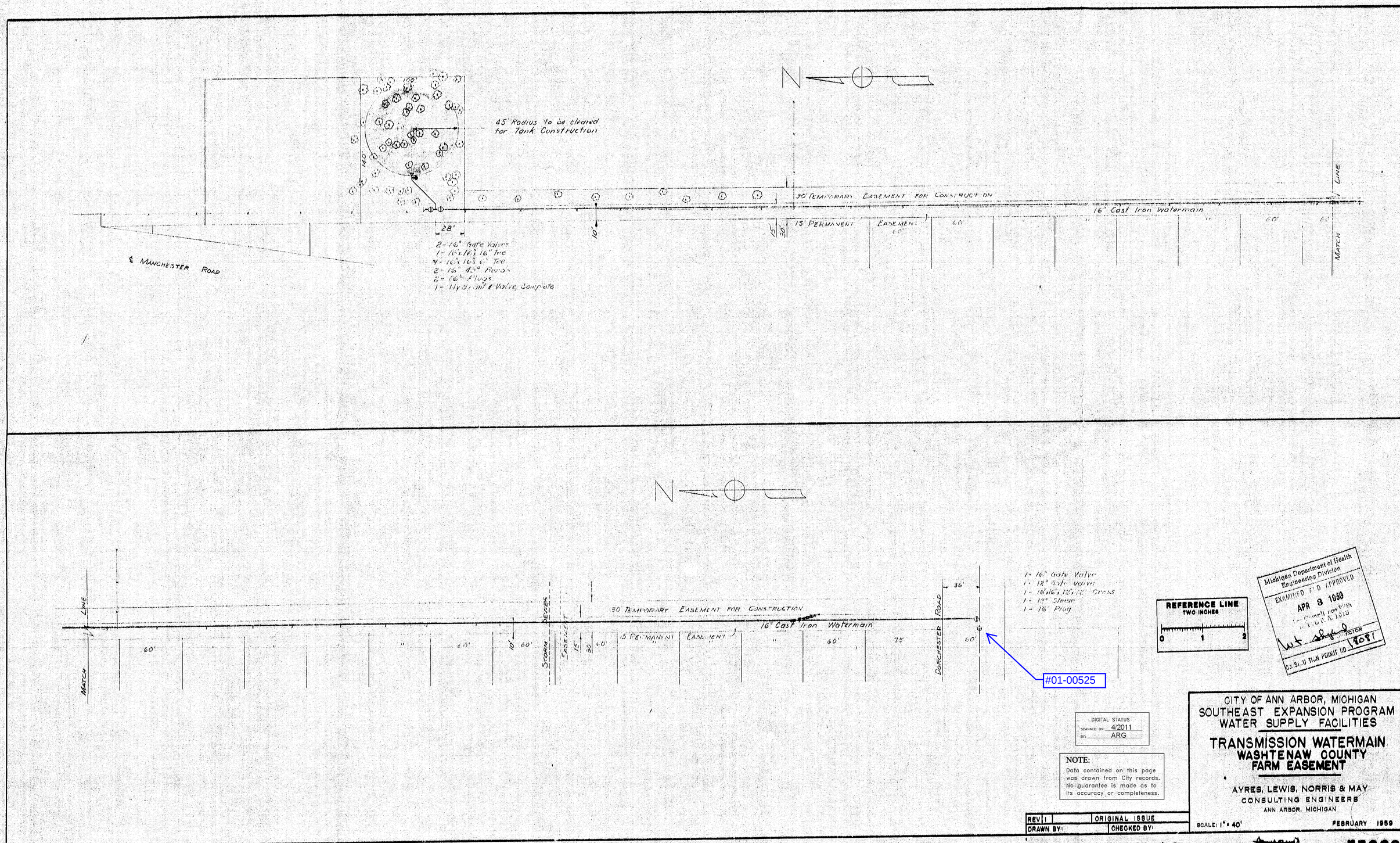


Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

For terms and conditions please visit www.a2gov.org/terms

0 0.0075 0.015 0.03 0.045 0.06 Miles

N



N
45' Radius to be cleared for Tank Construction
30' TEMPORARY EASEMENT FOR CONSTRUCTION
16" Cast Iron Watermain
15' PERMANENT EASEMENT
28'
10'
60'
MATCH LINE
℄ MANCHESTER ROAD
2- 16" Gate Valves
1- 16"x16"x16" Tee
4- 16"x16"x6" Tee
2- 16" 45° Bends
2- 16" Plugs
1- Hydrant & Valve, Complete
N
30' TEMPORARY EASEMENT FOR CONSTRUCTION
16" Cast Iron Watermain
15' PERMANENT EASEMENT
STORM SEWER EASEMENT
DORCHESTER ROAD
36'
75'
1- 16" Gate Valve
1- 12" Gate Valve
1- 16"x16"x12"x12" Cross
1- 12" Sleeve
1- 16" Plug
#01-00525
REFERENCE LINE
TWO INCHES
0 1 2
Michigan Department of Health
Engineering Division
EXAMINED AND APPROVED
APR 3 1959
DIRECTOR
CONSTRUCTION PERMIT NO. 18081
DIGITAL STATUS
SCANNED ON: 4/2011
BY: ARG
NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.
REV 1 ORIGINAL ISSUE
DRAWN BY: CHECKED BY:
CITY OF ANN ARBOR, MICHIGAN
SOUTHEAST EXPANSION PROGRAM
WATER SUPPLY FACILITIES
TRANSMISSION WATERMAIN
WASHTENAW COUNTY
FARM EASEMENT
AYRES, LEWIS, NORRIS & MAY
CONSULTING ENGINEERS
ANN ARBOR, MICHIGAN
SCALE: 1" = 40'
FEBRUARY 1959
A-89W
33208-1

A89W-W4

7-A-117A

MATCH LINE

122 | 135 | 136 | 137 | 187 | 188

ANN ARBOR

DORCHESTER ROAD

MEDFORD ROAD

2437 | 2445 | 2465 | 2415

107.50 | 75.75 | 75.75 | 83.95 | 69.77 | 100.0 | 183.5

EXIST. CURB | EXIST. 6"W | EXIST. CURB

16.5' | 16.5' | 19' | 5' | 16.5'

8"S | 8"S | 6"S | 6"S | 8"S

743' OF 20" T-T

2421 | 55.0 | 31.78 | 31.11 | 4" DIA | 1294

0526 | 20"×16" TEE | 20" PLUG | 8" or 20" T-PLUG | 12" PLUG

EXIST. 12"W | EXIS. 12"W | EXIST. CURB | 525

15"R | 18"R | 18"R | 25' | 11.5' | 16.5'

16"W | 10' | N | SCALE 0 10 20 40 FEET

2440 | 2446 | 2464 | 2474 | 2480 | 2504 | 2514 | 67.0 | 68.39 | 117.5

12" GV # 3043 20' WEST OF EPL OF TOWNER & 2' S OF SPL OF DORCHESTER

7-A-117B

195 | 194 | 193 | 192 | 191 | 190 | 189

WOODS | NO. 2

TOWNER BLVD.

EXIST. CURB | 19' | 10"A | 42"R | EXIST. 12"W | 16"XZ" RED | 20' | 24' | 39' | 66

AS BUILT DRAWING

#01-00525

CORRECTED 5-7-68

MICH. DEPT. OF HEALTH PERMIT No. 30186

CONSTRUCTION COMPLETED 4-25-68

BACTERIOLOGICAL TEST 5-8-68

PRESSURE TEST NONE

PREPARED UNDER SUPERVISION OF WAYNE H. ABBOTT, Jr., P.E.

SUPERINTENDENT OF UTILITIES

JOB NO. 20"– 762.428

NOTE
ALL DIMENSIONS TO SEWERS ARE SCALED

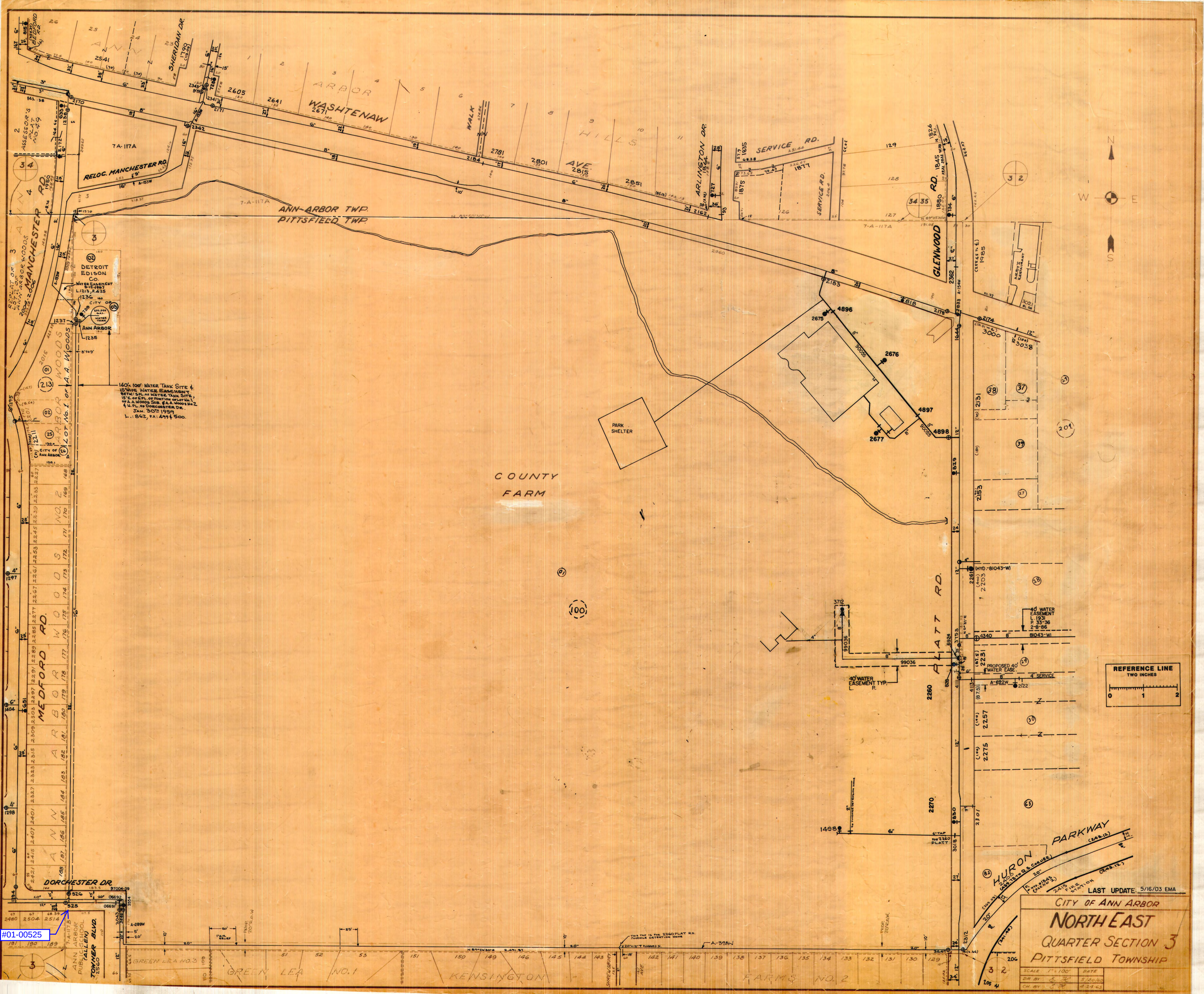
NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

DIGITAL STATUS
SCANNED ON: 7/07
BY: ARG

CITY OF ANN ARBOR
UTILITIES DEPARTMENT

20" MAIN INDEPENDENCE MANCHESTER – DORCHESTER

SCALE	1"=40'	DATE	NUMBER
DR. BY		7-26-66	
CH. BY			A-289W-3

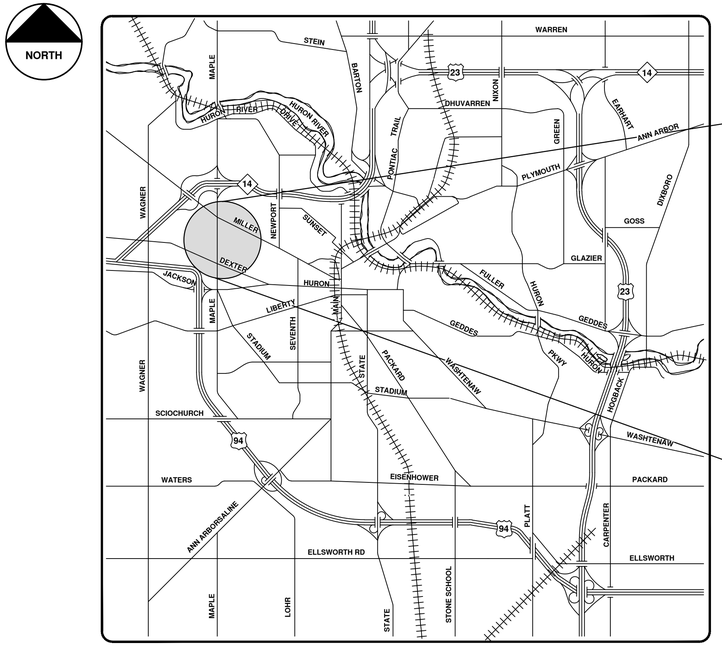


WASHTENAW AVE.
ANN ARBOR HILLS
SHERIDAN DR.
RELOC. MANCHESTER RD.
MANCHESTER RD.
ANN ARBOR TWP.
PITTSFIELD TWP.
ARLINGTON DR.
SERVICE RD.
GLENWOOD RD.
DETROIT EDISON CO.
ANN ARBOR
140'x100' WATER TANK SITE & 15' WIDE WATER EASEMENT BETW. SPL. OF WATER TANK SITE, 15' E. OF EPL. OF PORTION OF LOT No. 1 OF A. A. WOODS SUB. & A. A. WOODS No. 2 & N. PL. OF DORCHESTER DR. JAN. 30TH 1959 L.: 862, P.P.: 499 & 500.
PARK SHELTER
COUNTY FARM
PLATT RD.
40' WATER EASEMENT L. 1931 P. 33-36 2-8-86
40' WATER EASEMENT TYP. L. R.
PROPOSED 40' WATER EASE.
4" SERVICE
REFERENCE LINE
TWO INCHES
MEDFORD RD.
DORCHESTER DR.
ANN ARBOR PUBLIC SCHOOL (ALLEN)
TOWNER BLVD.
GREEN LEA NO. 1
KENSINGTON FARMS NO. 2
HURON PARKWAY
LAST UPDATE 5/16/03 EMA
CITY OF ANN ARBOR
NORTH EAST
QUARTER SECTION 3
PITTSFIELD TOWNSHIP
SCALE 1" = 100'
DATE
DR. BY
CH. BY
#01-00525

2022 VALVE REPLACEMENT PROJECT

N MAPLE ROAD

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
61	N MAPLE ROAD
62 - 63	N MAPLE RD & DEXTER AVE TRAFFIC CONTROL
64	REPLACE 01-02577
67	REPLACE 01-07977
69	REPLACE 01-02662



VICINITY MAP

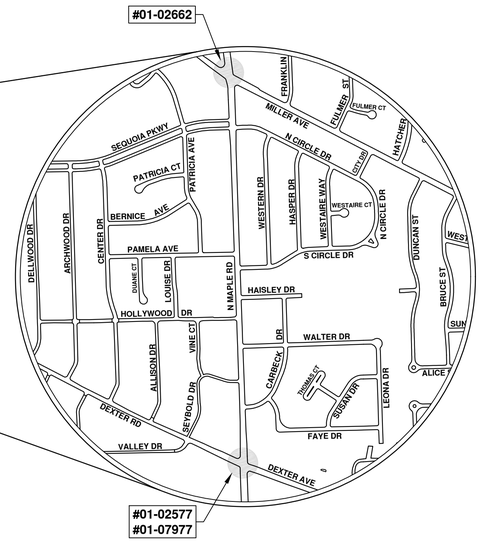


TABLE OF CONTENTS	
SHEET NUMBER	SHEET TITLE
1	COVER
2	GENERAL NOTES
3	GENERAL NOTES
4	GENERAL NOTES
5	GENERAL NOTES
6	GENERAL NOTES
7	GENERAL NOTES
8	GENERAL NOTES
9	GENERAL NOTES
10	GENERAL NOTES
11	GENERAL NOTES
12	GENERAL NOTES
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14	GENERAL NOTES
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55	GENERAL NOTES
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57	GENERAL NOTES
58	GENERAL NOTES
59	GENERAL NOTES
60	GENERAL NOTES
61	N MAPLE ROAD
62 - 63	N MAPLE RD & DEXTER AVE TRAFFIC CONTROL
64	REPLACE 01-02577
67	REPLACE 01-07977
69	REPLACE 01-02662

ENGINEERING
CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET, P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
734-794-6410 www.a2gov.org

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	BY	DRAWN	DATE	BY	CHECKED
00	COPY TO NEXT LINE AND EDIT THE TEXT						

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE

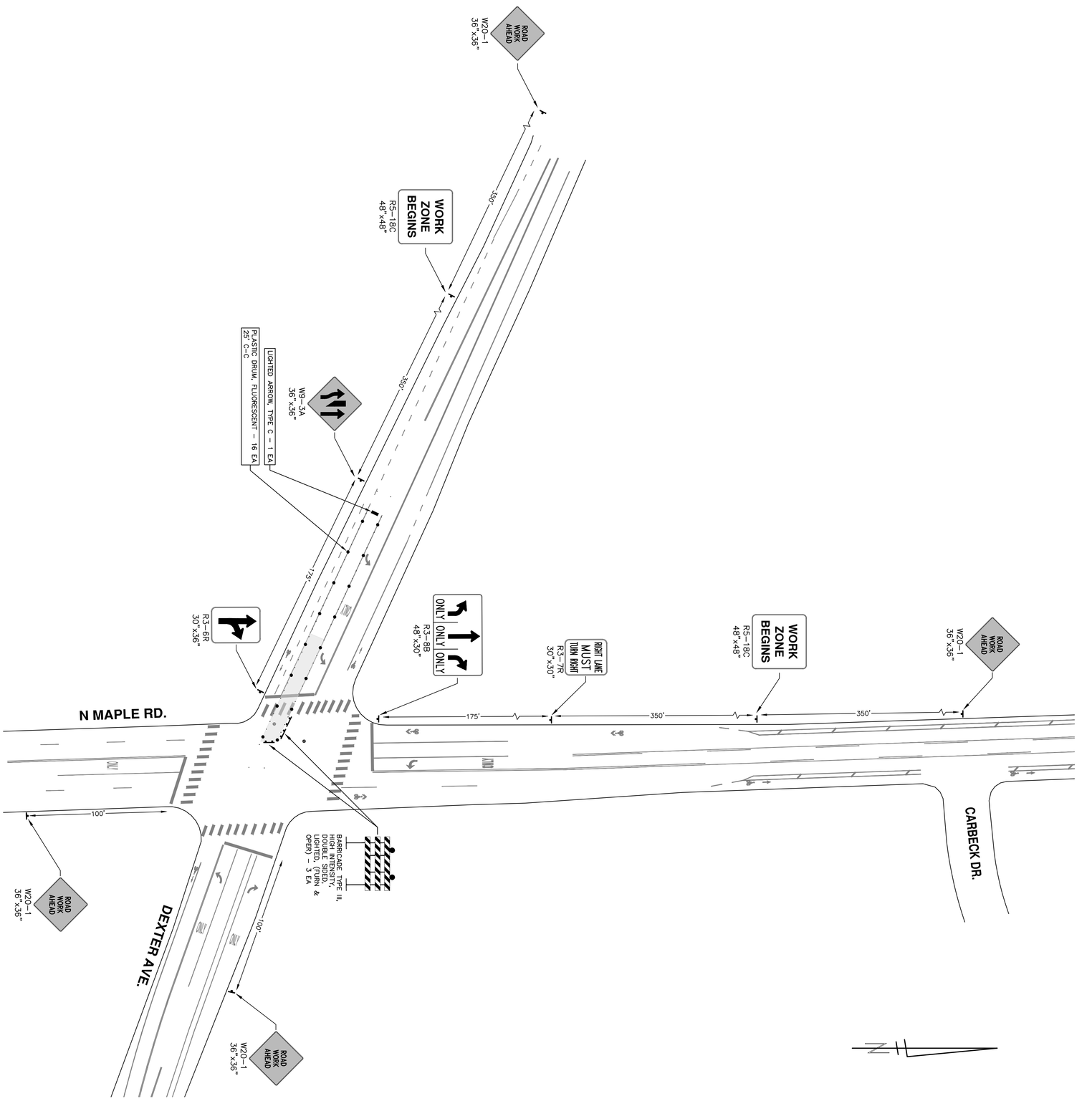
DRAWING No. 2022023-61

SHEET No. 61 OF 112

© 2022 VALVE REPLACEMENT PROJECT; BID No. BID NO; 2022023

R:\2022023 Valve Replacement Project\Plan Production\2022023Cov.dwg - _a2 standard bw.stb - Plot Date: 12/6/2021 3:24:33 PM

R:\2022023 Valve Replacement Project\Plan Production\2022023Mtrf N Maple & Dexter 2577.dwg Dwg Created: 6-Dec-21 - _a2 standard bw.stb - Plot Date: 6-Dec-21



SHEET No. 62 OF 112

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE PLAN: 1" = 40'

DRAWING No. 2022023-62

2022 VALVE REPLACEMENT PROJECT

N MAPLE RD & DEXTER AVE TRAFFIC CONTROL

VALVE 01-02577

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	DRAWN	CHECKED
00	COPY TO NEXT LINE AND EDIT THE TEXT	DATE	BY	BY

811 Know what's **below.** **Call** before you dig.

R:\2022023 Valve Replacement Project\Plan Production\2022023Mtrf Maple & Dexter 7977.dwg Dwg Created: 6-Dec-21 — _a2 standard bw.stb — Plot Date: 6-Dec-21

811 Know what's **below.** **Call before you dig.**

REV.	DESCRIPTION	DATE	BY	DRAWN	CHECKED
00	COPY TO NEXT LINE AND EDIT THE TEXT				

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734.794.6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

2022 VALVE REPLACEMENT PROJECT

N MAPLE RD & DEXTER AVE TRAFFIC CONTROL

VALVE 01-07977

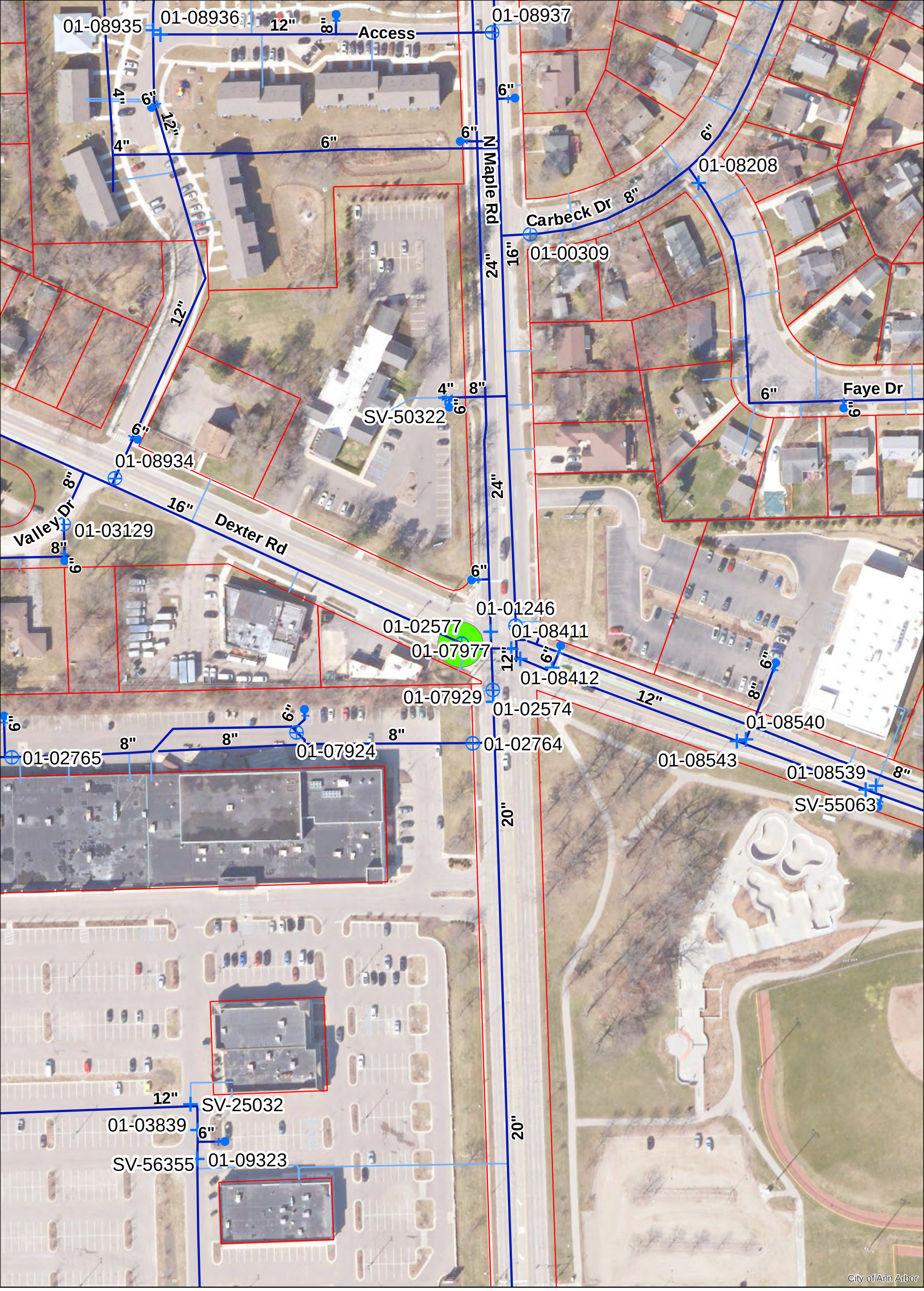
SCALE **PLAN:** 1" = 40'

DRAWING No. **2022023-63**

SHEET No.

63 OF 112

12" GVIW 01-02577

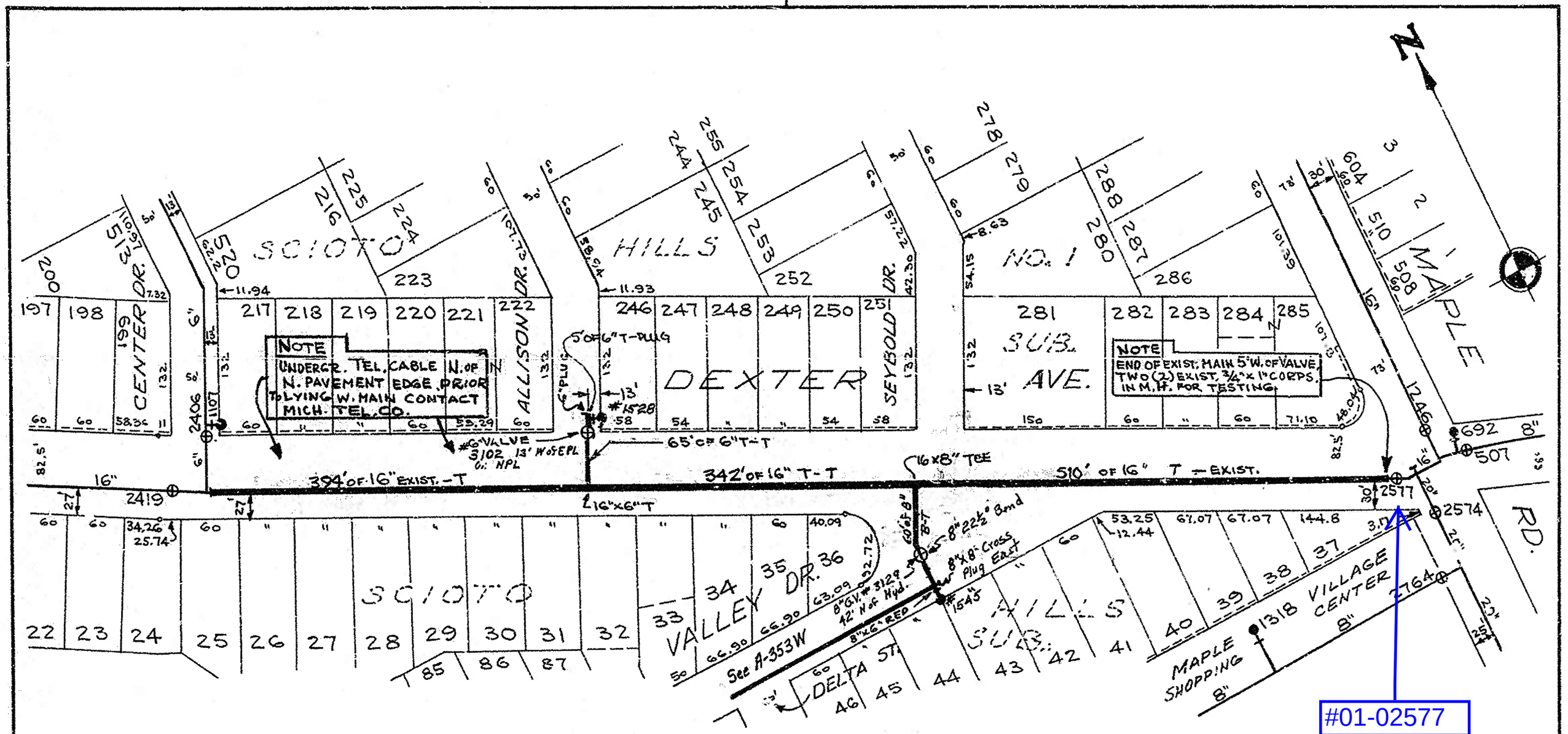


N

Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

0 0.0075 0.015 0.03 0.045 0.06 Miles

For terms and conditions please visit www.a2gov.org/terms



NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

DIGITAL STATUS
SCANNED ON: 7/07
BY: ARG

AS BUILT DRAWING

Dexter Ave. Portion

CORRECTED 5-28-68

MICH. DEPT. OF HEALTH PERMIT No. W680282

CONSTRUCTION COMPLETED 5-17-68

BACTERIOLOGICAL TEST 5-21-68 & 6-10-68

PRESSURE TEST None

PREPARED UNDER SUPERVISION OF
WAYNE H. ABBOTT, Jr., P.E.

Wayne H. Abbott Jr.

SUPERINTENDENT OF UTILITIES

Job No.
16" - 762.506
6" - 762.507
HYD. - 762.512

CITY OF ANN ARBOR
UTILITIES DEPARTMENT

DEXTER EXTENSION

SCALE	1"=100'	DATE	REV.	AUTH. NO.
DR-BY	G.H.	6-28-67		A-337W
CH-BY	GET	4-15-68		

#01-02577

MAPLE RIDGE

ARBOR VIEW

WESTWOOD

DEXTER

ANN ARBOR TWP

SCIO TWP

SHOPPING CENTER

MAPLE VILLAGE

N. MAPLE RD.

S. MAPLE RD.

WESTGATE PLAZA SHOPPING CENTER

JACKSON AVE.

MANOR APTS.

PARKSIDE COMM. 200-280 LYN ANN CT. CONSERVATION EASE L. 2258 P. 976

UNITS 1-28

VETERANS MEMORIAL PARK

PARK SHELTER 2196 JACKSON AVE.

BASEBALL FIELD

ICE RINK & TENNIS COURTS

2150 JACKSON AVE.

POOL BLDG.

2132 JACKSON AVE.

POOL

PARKING

FIRE STATION NO. 3

2130

30' WIDE SEWER EASEMENT L. 2005, PP. 245, 246, 247, 248 & 249. AUG. 28TH 1985.

SEWER & WATER AGREEMENT FOR 2324 DEXTER RD. 302 W.S.)

20' SANITARY EASE. L. 2720 P. 893

40' WATER EASE L. 2720 P. 893

2000 PENNCRAFT CT.

2021 2¼" PLUG

2005

2003

2010

2020

2107

2102

2040-2042-2048

2040-A1

1939 JACKSON AVE.

HILLSIDE TERRACE CHR. RETIREMENT HOME

OLD ORCHARD COURT CONDOMINIUM (PRIVATE)

BUILDING #6

WESTWOOD APTS.

JACKSON WEST APTS.

BARNARD PLATING CO. INC.

SERVICE DR.

BOULEVARD

ABBOTT

MARYFIELD DR.

ORCHARD ST.

ALLMAND ABBOTT AVE.

CHARLTON AVE.

SHELBY AVE.

COLLINGWOOD BLVD.

FAIR ST.

LONGMAN LANE

FAIRVIEW DR.

WORDEN AVE.

ALLEN DR.

GLENDALE DR.

GRAND VIEW DR.

GRAND VIEW AVE.

JACKSON PLACE

JACKSON

CHARLTON HEIGHTS SUB.

PLEASANT HEIGHTS SUB.

FAIRWOOD SUB.

GRAND VIEW SUB.

ALLMAND HTS. SUB. NO. 2

PART OF ASS'R PLAT NO. 4

IN CITY

TWP

REFERENCE LINE TWO INCHES

0 1 2

N S E W

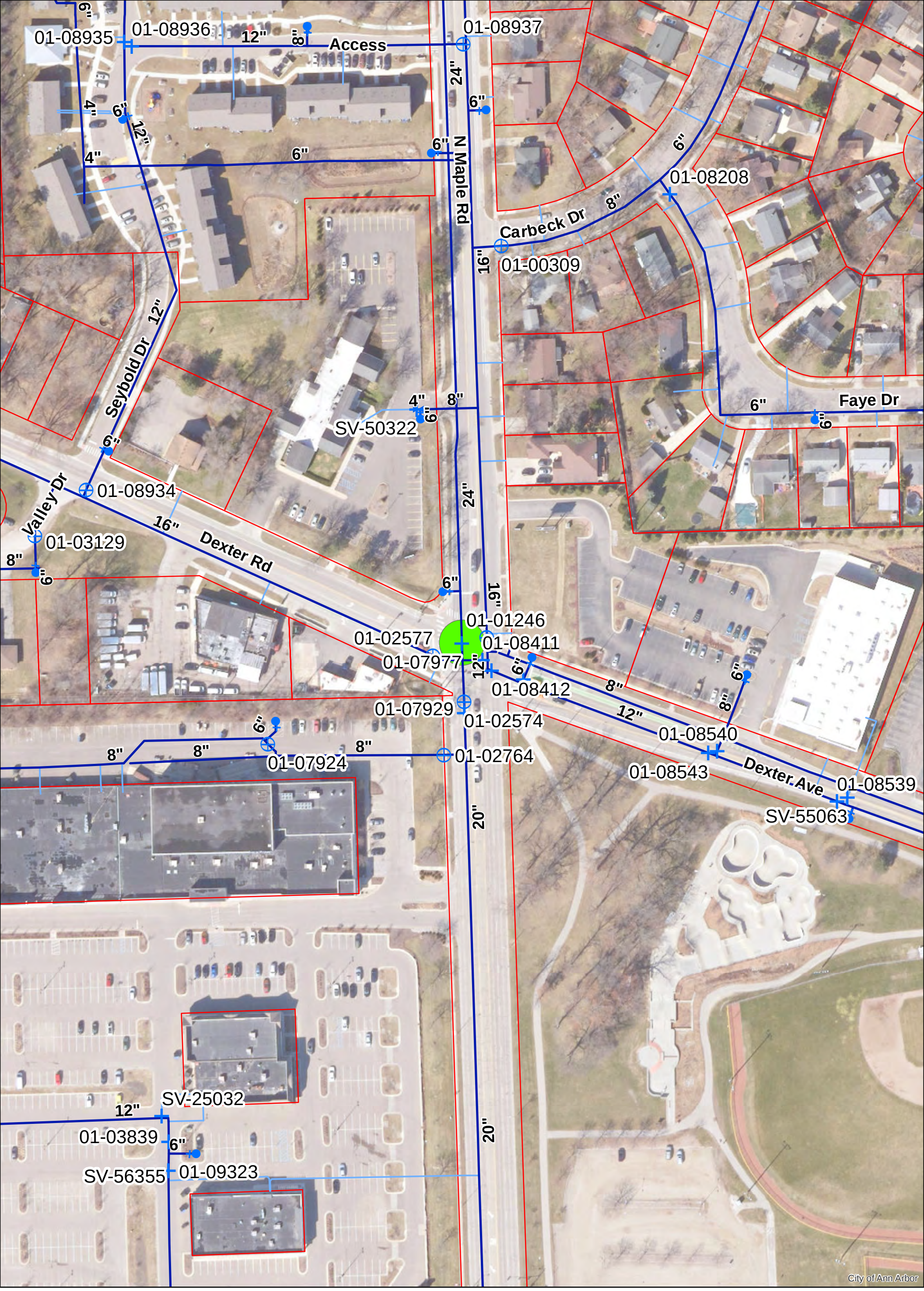
LAST UPDATE: P3M 11/01

CITY OF ANN ARBOR

NORTH WEST QUARTER SECTION 30

ANN ARBOR TOWNSHIP

SCALE	1" = 100'	DATE
DR. BY	G.H.C.	2/24/61
CH. BY		4/16/1963



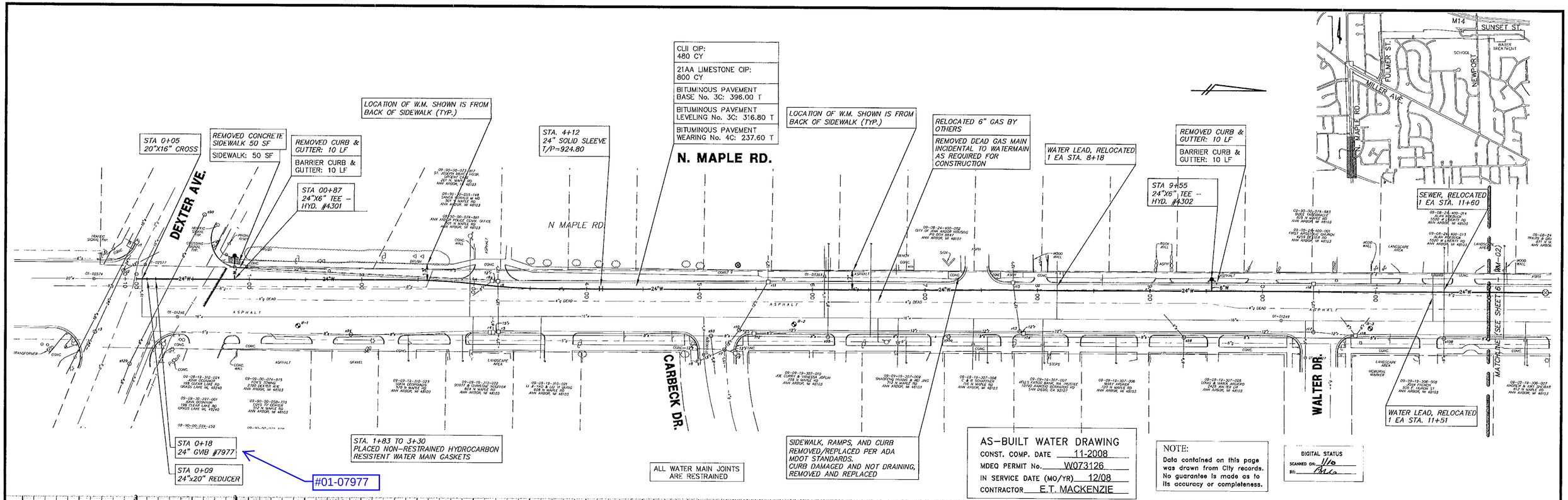
24" GVIB 01-07977

N

Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

0 0.0075 0.015 0.03 0.045 0.06 Miles

For terms and conditions please visit www.a2gov.org/terms

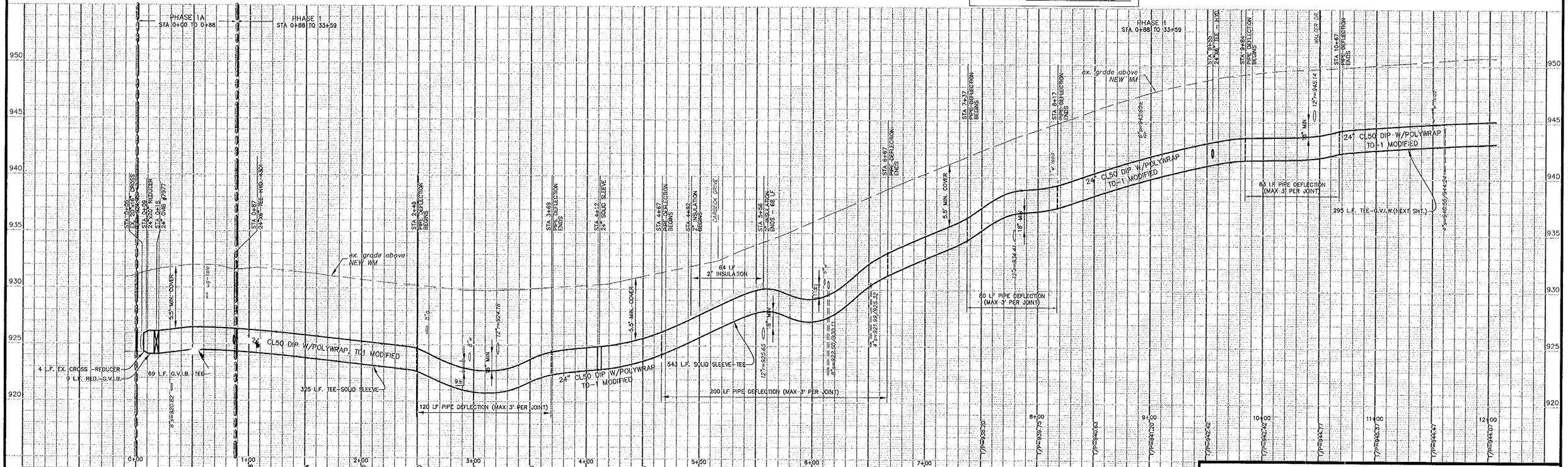


AS-BUILT WATER DRAWING

CONST. COMP. DATE 11-2008
MDEQ PERMIT No. W073126
IN SERVICE DATE (MO/YR) 12/08
CONTRACTOR E.T. MACKENZIE

NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

DIGITAL STATUS
SCANNED ON: 1/10
BY: PMA



LEGEND

EXISTING FENCE		EXISTING SANITARY SEWER & MANHOLE		EXISTING TELEPHONE		EXISTING RD. ℄ GRADE	
" CONTOUR	847	" UTILITY POLE & GUY		" GAS LINE	g	" LEFT EDGE/RD. GRADE	
" STORM SEWER & CAT. BAS.		" FIRE HYDRANT ASSEMBLY		" CABLE T.V.	tv	" RIGHT EDGE/RD. GRADE	
" WATER MAIN & VALVE-IN-WELL		" LIGHT POLE		" ELECTRIC	e	" CURB & GUTTER	
" WATER MAIN & VALVE-IN-BOX		" END SECTION					

NEW SANITARY SEWER & MANHOLE	S	NEW CURB & GUTTER	
" STORM SEWER & CAT. BAS.	R	LANDMARK TREE & LABEL (BOLDER LINE THEN OTHERS)	
" WATER MAIN W/F.H. ASSEM.	W		
" CONTOUR	847		
" ROAD ℄ GRADE			

BENCH MARK	SURVEY BOOK
SEE ABOVE	BOOK

REV. NO.	DESCRIPTION	DATE	DR.BY	CH.BY
	AS-BUILT	7-30-09	DPF	JTZ
2	ADDENDUM #1	01-11-08	RKY	SRG
1	CITY OF ANN ARBOR	12-16-07	JFR	SRG
REV	ORIGINAL ISSUE	11-30-07	RKY	SRG

PROJECT MANAGEMENT - PUBLIC SERVICES DEPARTMENT - CITY OF ANN ARBOR

MILLER/MAPLE WATER MAIN

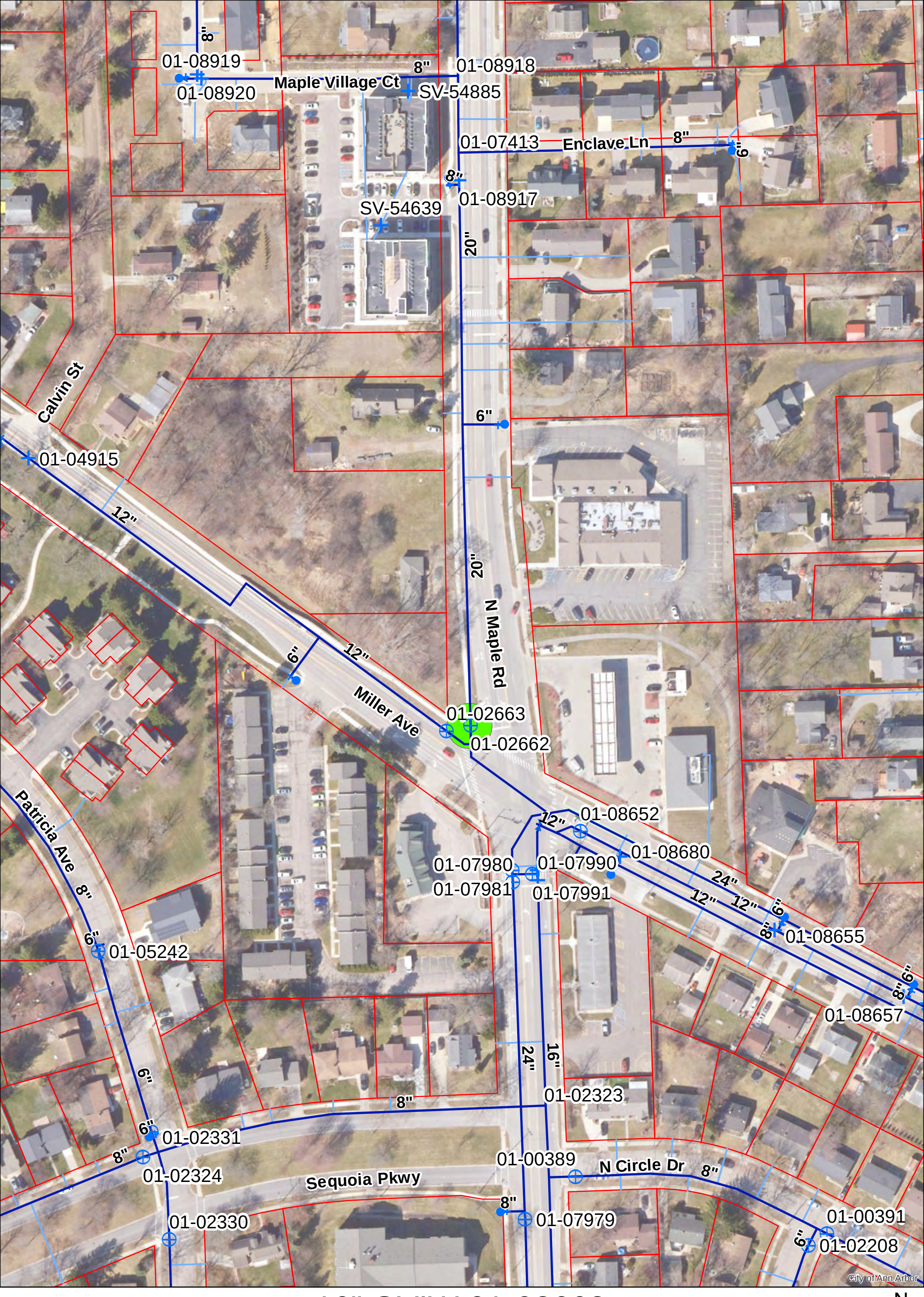
WATER MAIN PLAN & PROFILE MAPLE ROAD STA 00+00 TO 12+00

CONSULTANT: WASHTENAW ENGINEERING COMPANY
DWG FILE: 2004041-W1,SW1,C01 JOB NO. 30791 FILE NO. 9521

SCALE NTS
INCH 0 40

DRAWING NO. 2004041-W1,SW1,C/G1
FILE NO. 2004-041
SHEET NO. 13 OF 41

16" GVIW 01-02662



N

Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

0 0.0075 0.015 0.03 0.045 0.06 Miles

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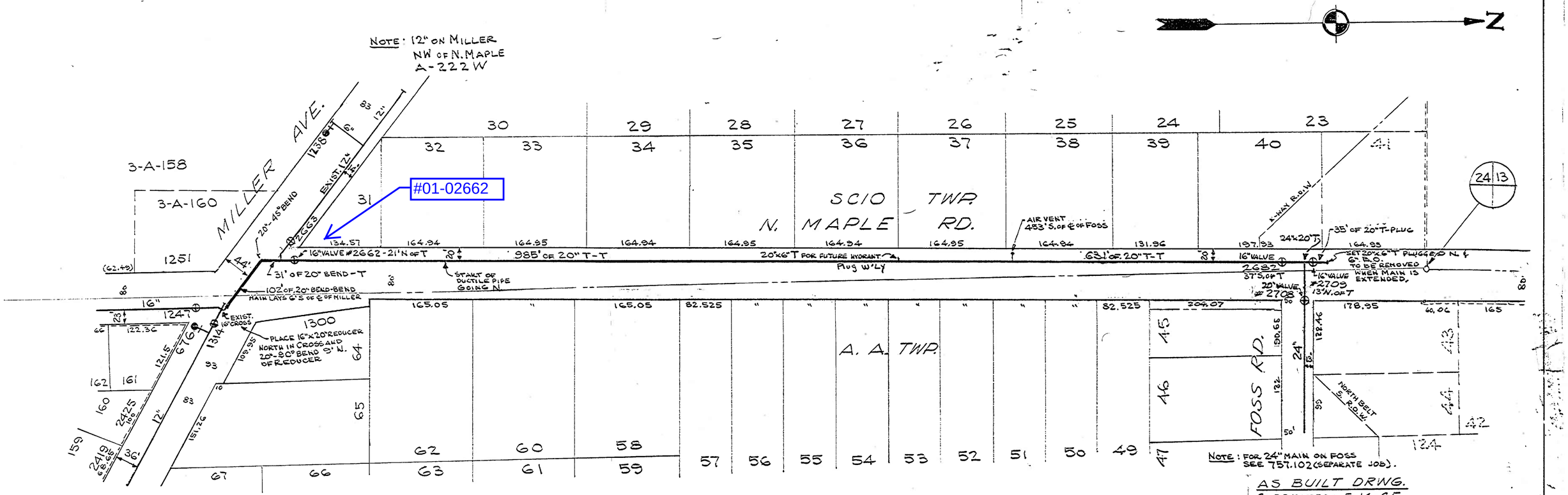

NOTE
12" HIGH PRESSURE GAS MAIN
14' E OF W. R.
6" GAS 16' W OF E R.

AS BUILT DRWG.
CORRECTED: 5-14-65
MICH. DEPT. OF HEALTH PERMIT No. 25208
CONSTRUCTION COMPLETED: 12-1-64
TESTING NOT RECORDED

SCALE 0 20 50 100 FEET

NOTE:
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DIGITAL STATUS
SCANNED ON: 8/07
BY: ARG

PREPARED UNDER SUPERVISION OF WAYNE H. ABBOTT JR. P.E.

Wayne H. Abbott
SUPERINTENDENT OF UTILITIES

JOB NO.
20" W. MAIN & HYDRANTS
757.107

CITY OF ANN ARBOR
UTILITIES DEPARTMENT

N. MAPLE RD. W. MAIN
MILLER – FOSS

SCALE	1"=100'	DATE	NUMBER
DR. BY	E. BE	5-14-64	A-226W4
CH. BY	HKL	6-29-64	

EASTBOUND "ON" RAMP

M-14 X-WAY

PARK NO. 1.

FOSS STREET

(50' EASEMENT FOR PUBLIC UTILITIES LIBER 1078, PAGE 172 – 7-27-1964.)

FOSS CT.

EXPRESSWAY M-14

WINES ELEMENTARY SCHOOL 3-A-2B

SLUDGE POND

SLUDGE POND

WINES ELEMENTARY SCHOOL

L. 907, P. 75 2-17-1960 A.A. PBL. SCHOOLS (ERECTION) (3RD DESCR.)

L. 907, P. 75 - CITY OF A.A. TO A.A. PUBLIC SCHOOLS 2-17-1960 (2ND DESCR.) 2-11-1960

W.R.O.W. (SLUDGE LINE) TRU TRIANGULAR SHAPED PARCEL

LIBER:
PAGE:
DATE
CITY CODE NO.:

33' W.R.O.W FOR SLUDGE LINES

LIBER:
PAGE:
DATE:
CODE NO.:

(JANE & GEORGE KENDELL SEPT. 25-1940)

8" C.I.P. & SOUTH-E SLUDGE LINE

8" TILE SLUDGE LINE

20' WIDE R.O.W FOR CONSTRUCTION & MAINTENANCE OF WALKWAY - CITY OF A.A. TO A.A. PBLK. SCHOOLS L. 907, P. 75 2-11-1960 (3RD DESCR.)

15' R.O.W (15' ON EAGLE SIDE OF ℄) FOR SLUDGE LINE PIPE LIBER 877 PAGE 563 5-8-1958

60' U.E. (UNDER & PARALLEL TO R.R.) L. 907, P. 75 (2-11-1960 (3RD DESCR.)

PARK NO. 2.

PARK NO. 3.

PARK NO. 4.

PARK NO. 5.

PARK NO. 6.

FRANKLIN CT. N.

FRANKLIN CT. S.

FRANKLIN STREET

MAPLE ROAD

ANN ARBOR TOWNSHIP

GARDEN HOMES DR.

GARDEN HOMES CT.

FULMER STREET

FULMER CT.

MILLER AVENUE

PUBLIC EASEMENT

PROP. NEIGHBORHOOD SHOPPING CENTER

PARKING

WESTPARK TERRACE

NORTH CIRCLE DRIVE

SAUNDERS CRESCENT

COOLEY AVE.

CREAL CT.

HELEN ST.

OUTLOT E

ARGYLE CRESCENT

HATCHER CRESCENT

WESTPORT HILLS

HILLRIDGE BLVD.

FORSYTHE JUNIOR HIGH SHOOL

WINES

LOT 25

LOT 24

3RD. PL. OF LOT 1123

15' WATER R.O.W.

PARK NO. 4. 24.2' W

FORMER N.P.L. OF LOT 111

NEW N.P.L. OF LOT 111

N.L. OF LOT 158

20' WIDE R.O.W. FOR CONSTRUCTION & MAINTENANCE OF WALKWAY L. 907, P. 75 2-17-1960

24.2' W

SCALE: 1" = 20'

REFERENCE LINE TWO INCHES

0 1 2

#01-02662

LAST UPDATE PJM 1/02

CITY OF ANN ARBOR

NORTHWEST QUARTER SECTION 19

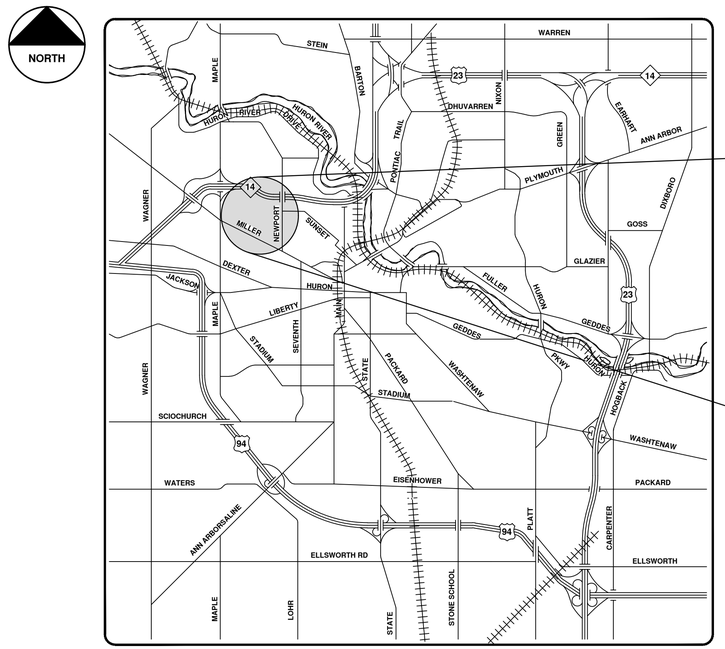
ANN ARBOR TOWNSHIP

SCALE 1" = 100'	DATE
DRAWN BY	3/11/62
CH. BY	4 2363

2022 VALVE REPLACEMENT PROJECT

FULMER STREET

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
72	FULMER STREET
73	REPLACE 01-02762



VICINITY MAP

ENGINEERING
CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET, P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
734-794-6410 www.a2gov.org

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734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	BY	DRAWN	BY	CHECKED
00	COPY TO NEXT LINE AND EDIT THE TEXT					

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE

DRAWING No. 2022023-72

SHEET No. 72 OF 112

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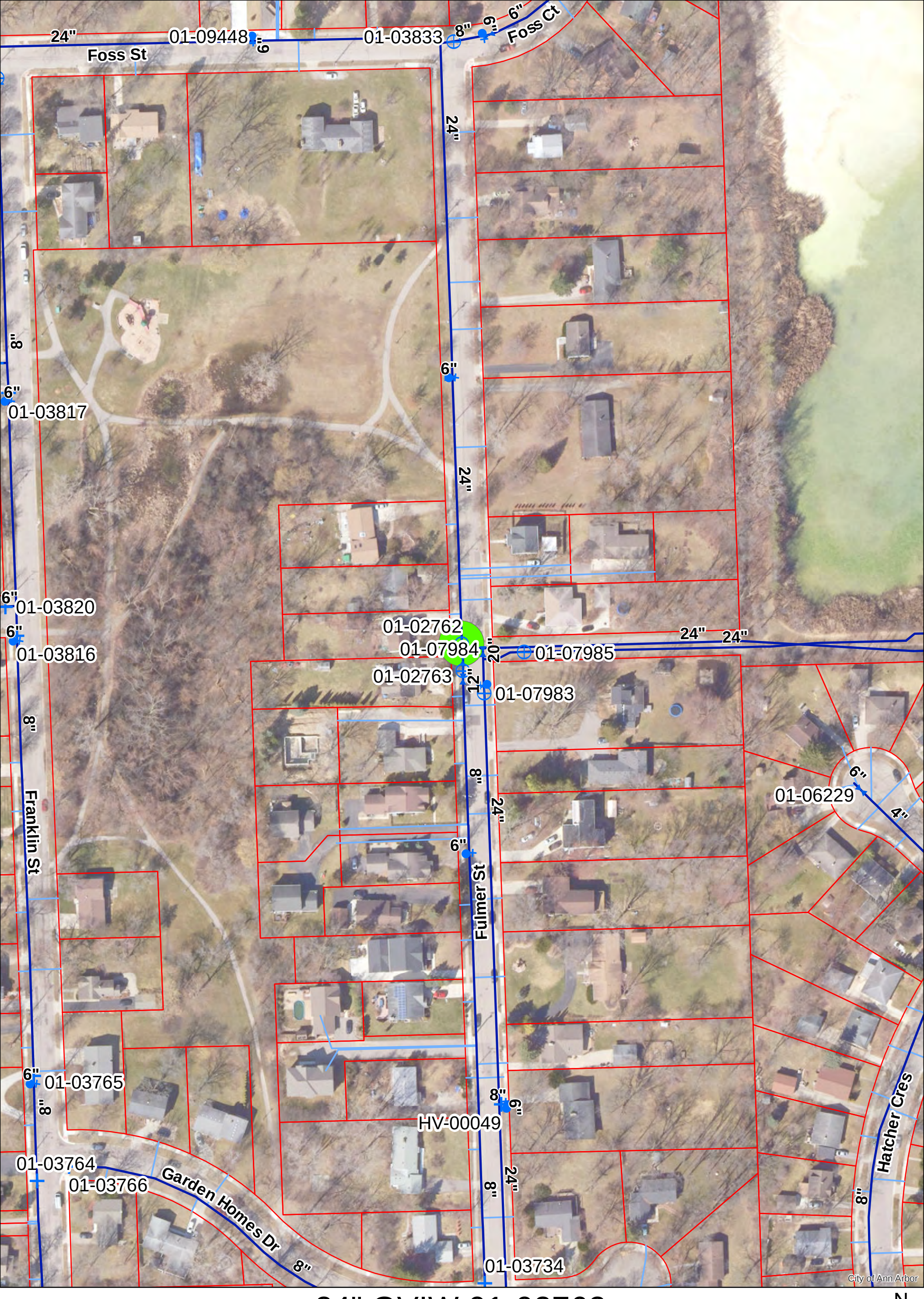
R:\2022023 Valve Replacement Project\Plan Production\2022023Cov.dwg - _a2 standard bw.stb - Plot Date: 12/6/2021 3:25:10 PM



24" GVIW 01-02762

N

Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

0 0.0075 0.015 0.03 0.045 0.06 Miles

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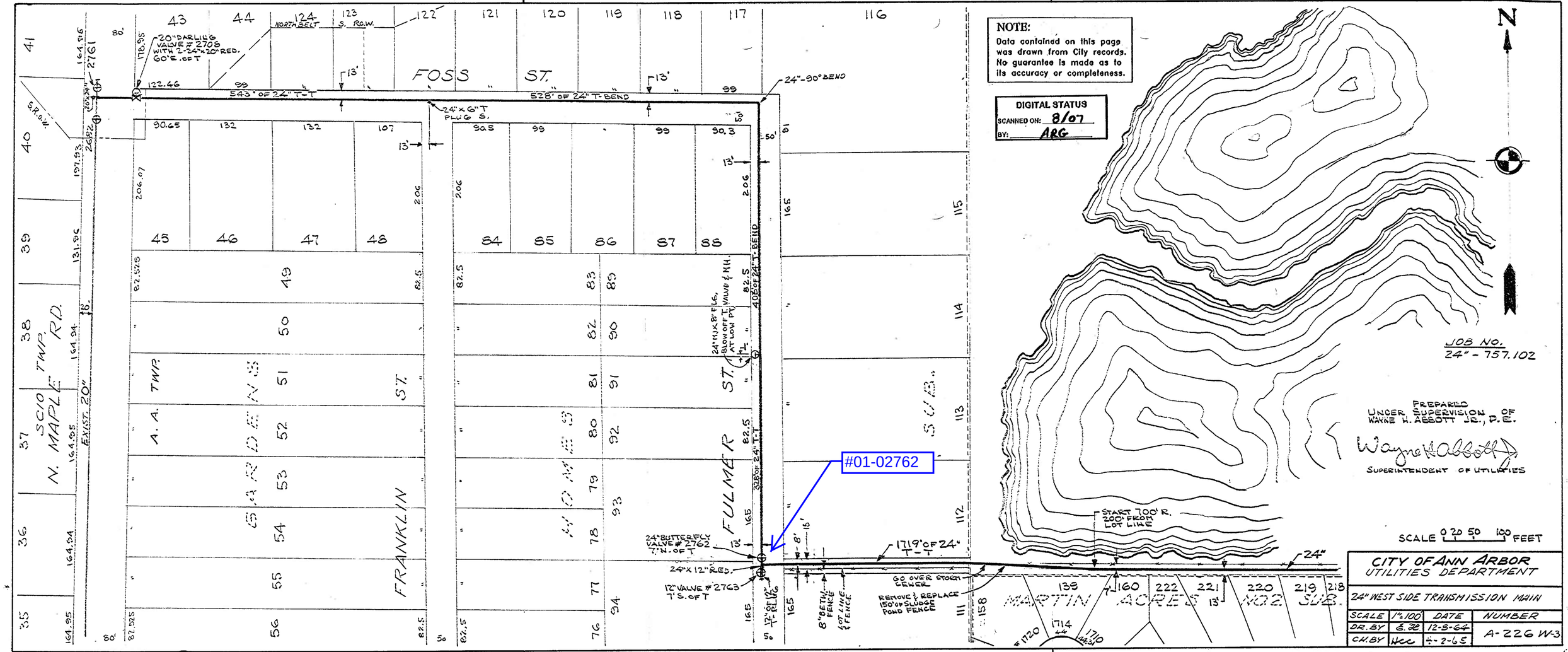
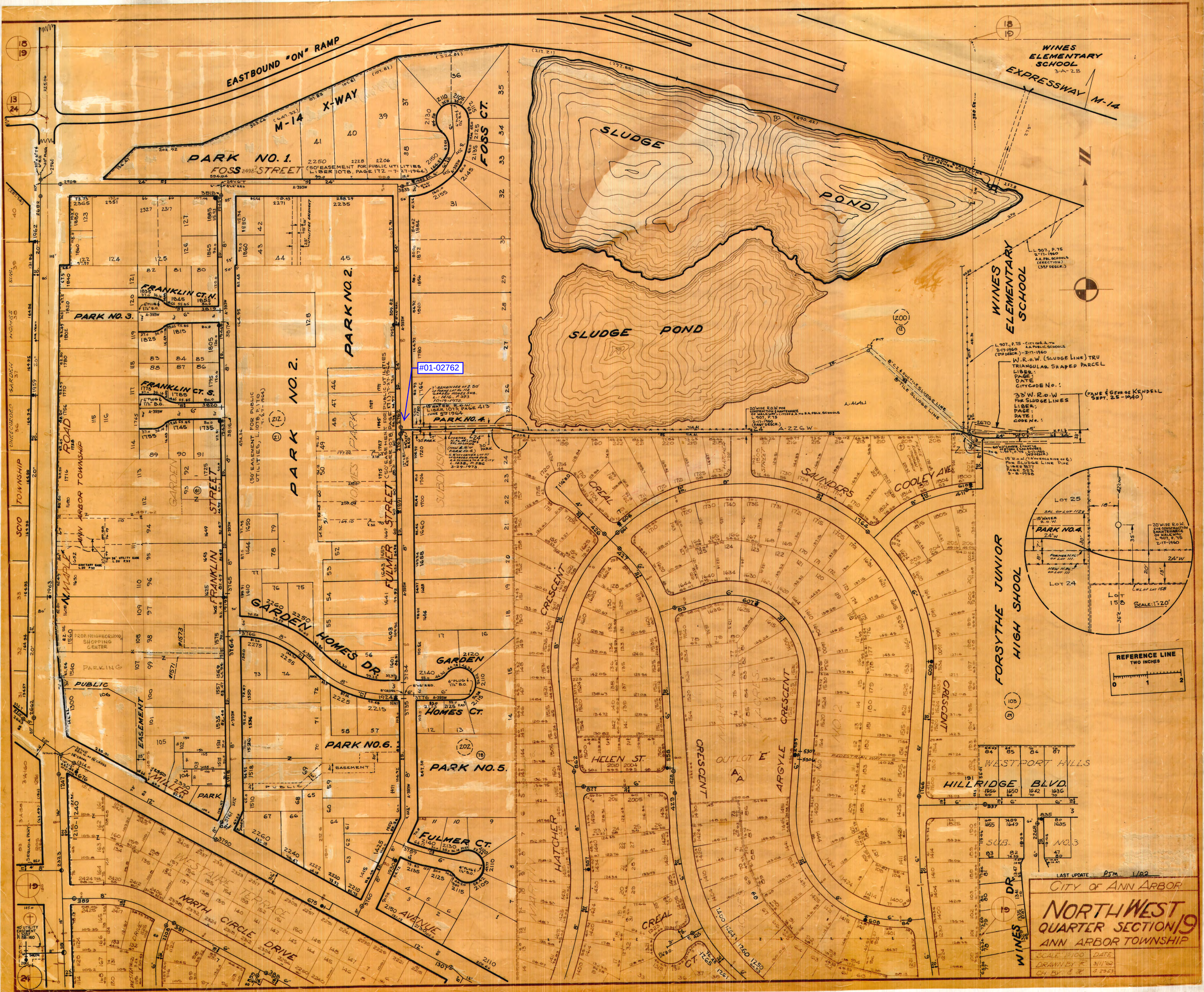


NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.
DIGITAL STATUS
SCANNED ON: 8/07
BY: ARG
N
JOB NO.
24" - 757.102
PREPARED UNDER SUPERVISION OF WAYNE H. ABBOTT JR., P.E.
Wayne H Abbott Jr.
SUPERINTENDENT OF UTILITIES
SCALE 0 20 50 100 FEET
CITY OF ANN ARBOR
UTILITIES DEPARTMENT
24" WEST SIDE TRANSMISSION MAIN
SCALE 1"=100'
DATE
NUMBER
DR. BY
12-8-64
CH. BY
4-2-65
A-226 W-3
#01-02762
FOSS ST.
FULMER ST.
FRANKLIN ST.
SCIO TWP.
N. MAPLE RD.
A. A. TWP.
MARTIN ACRES NO. 2 SUB.
SUB.
20" DARLING VALVE # 2708 WITH 2-24"x20" RED. 60' E. OF T
543' OF 24" T-T
528' OF 24" T-BEND
24"-90° BEND
24"x6" T PLUG S.
24" BUTTERFLY VALVE # 2762 7' N. OF T
24"x12" RED.
12" VALVE # 2763 7' S. OF T
1719' OF 24" T-T
START 700' R. 200' FROM LOT LINE
GO OVER STORM SEWER
REMOVE & REPLACE 150' OF SLUDGE POND FENCE
24"

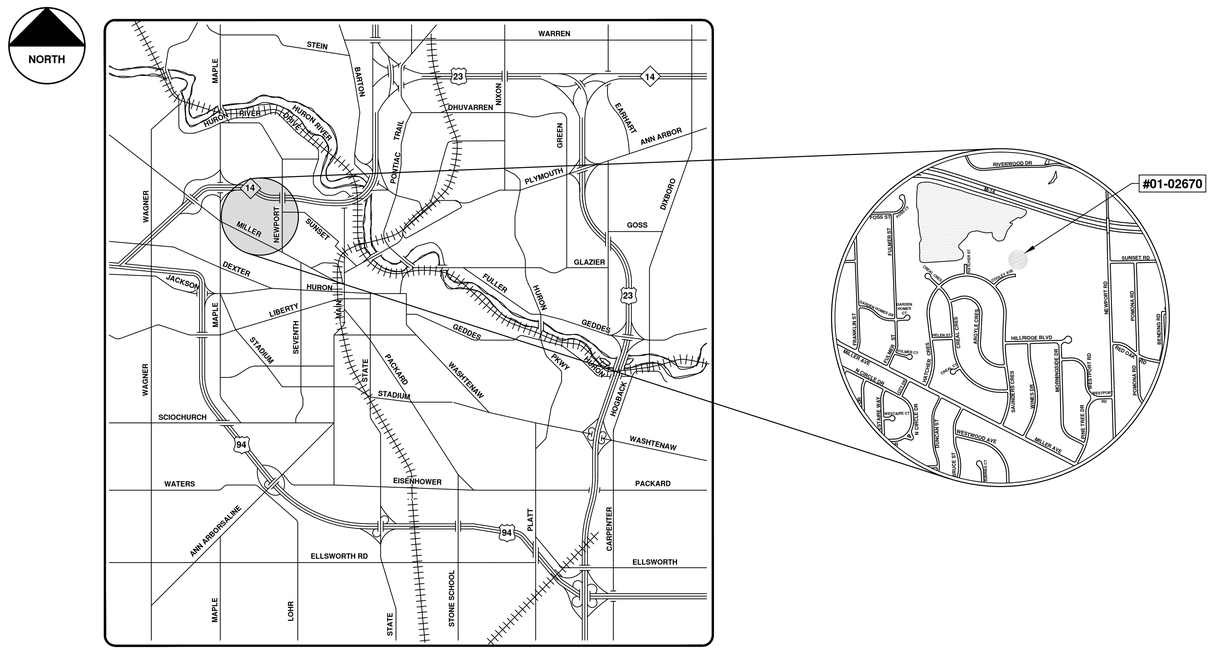


EASTBOUND "ON" RAMP
M-14 X-WAY
PARK NO. 1.
FOSS STREET
FOSS CT.
SLUDGE POND
SLUDGE POND
WINES ELEMENTARY SCHOOL
EXPRESSWAY M-14
WINES ELEMENTARY SCHOOL
FRANKLIN CT. N.
FRANKLIN CT. S.
PARK NO. 3.
PARK NO. 2.
PARK NO. 4.
PARK NO. 6.
PARK NO. 5.
#01-02762
GARDEN HOMES DR.
GARDEN HOMES CT.
FULMER CT.
FULMER STREET
FRANKLIN STREET
ANN ARBOR TOWNSHIP
N. MAPLE ROAD
SCIO TOWNSHIP
PROP. NEIGHBORHOOD SHOPPING CENTER
PARKING
PUBLIC EASEMENT
MILLER PARK
WESTAIRE TERRACE
NORTH CIRCLE DRIVE
AVENUE
CREAL
CRESCENT
HATCHER
HELEN ST.
OUTLOT 'E'
ARGYLE CRESCENT
SAUNDERS
COOLEY AVE.
FORSYTHE JUNIOR HIGH SHOOL
WESTPORT HILLS
HILLRIDGE BLVD.
SUB. NO. 3
WINES DR.
LOT 25
LOT 24
LOT 158
PARK NO. 4.
SCALE: 1"=20'
REFERENCE LINE
TWO INCHES
LAST UPDATE PJM 1/02
CITY OF ANN ARBOR
NORTHWEST QUARTER SECTION 19
ANN ARBOR TOWNSHIP
SCALE 1"=100'
DATE
DRAWN BY
CH. BY

2022 VALVE REPLACEMENT PROJECT

FORSYTHE SCHOOL

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
76	FORSYTHE SCHOOL
77	REPLACE 01-02670



VICINITY MAP

ENGINEERING
CITY OF ANN ARBOR PUBLIC SERVICES
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ANN ARBOR, MICHIGAN 48107-8647
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REV.	DESCRIPTION	DATE	BY	DATE	BY
00	COPY TO NEXT LINE AND EDIT THE TEXT				

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE

DRAWING No. 2022023-76

SHEET No. 76 OF 112

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R:\2022023 Valve Replacement Project\Plan Production\2022023cov.dwg – _a2 standard bw.stb – Plot Date: 12/6/2021 3:25:13 PM



Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

20" GVIW 01-02670

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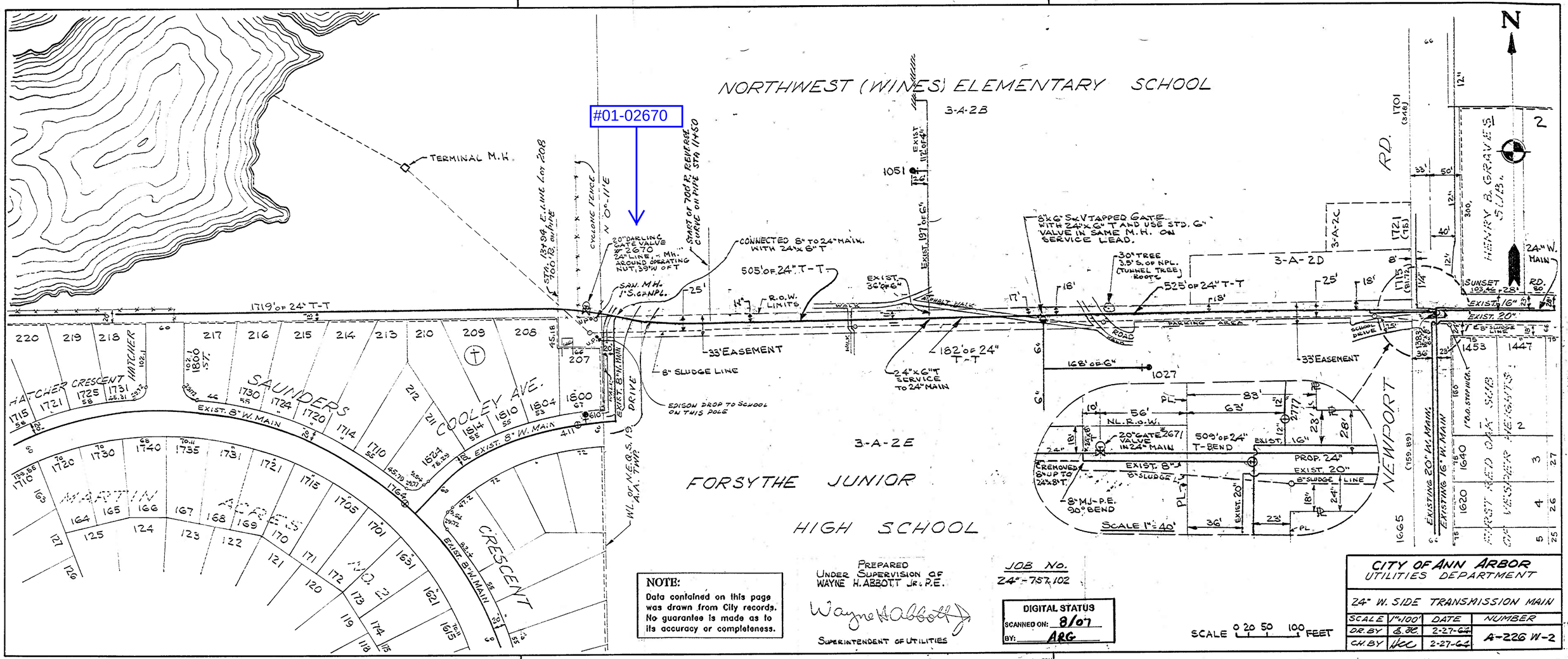
0 0.0075 0.015 0.03 0.045 0.06 Miles

N


#01-02670
NORTHWEST (WINES) ELEMENTARY SCHOOL
3-A-2B
TERMINAL M.H.
1319'OF 24" T-T
STA. 13+94, E. LINE LOT 208
100.12, ON LINE
CYCLONE FENCE
N 00°-11'E
START OF 700 L.F. REINFORCED CURVE ON PIPE STA 11+50
20" DARLING GATE VALVE 2070 IN 24" LINE; MH. SOLID OPERATING NUT, 39'W OF T
SAN. M.H. 1'S. OF NPL.
CONNECTED 8" TO 24" MAIN WITH 24"x6" T
505'OF 24" T-T
EXIST. 36"OF6"
EXIST. 197'OF 6"
EXIST. 112'OF 4"
1051
R.O.W. LIMITS
25'
33' EASEMENT
8" SLUDGE LINE
EDISON DROP TO SCHOOL ON THIS POLE
182'OF 24" T-T
24"x6" T SERVICE TO 24" MAIN
6"x6" S.&V. TAPPED GATE WITH 24"x6" T AND USE STD. 6" VALVE IN SAME M.H. ON SERVICE LEAD.
30" TREE 35' S. OF NPL. (TUNNEL TREE) ROOTS
525'OF 24" T-T
3-A-2C
3-A-2D
1721 (16')
1715 (81.72')
1701 (348')
RD.
HENRY B. GRAVES SUB.
SUNSET RD.
24" W. MAIN
EXIST. 16"
EXIST. 20"
8" SLUDGE
PARKING AREA
SCHOOL DRIVE
ROAD
168'OF 6"
1027
33' EASEMENT
1453
1447
1640
1620
1665
NEWPORT
FIRST ADD. OAK SUB
OAK WOODLAWN HEIGHTS SUB
EXISTING 20" W. MAIN
EXISTING 16" W. MAIN
(159.89')
100.00 STORED
3-A-2E
FORSYTHE JUNIOR HIGH SCHOOL
W'L OF NE & S. 10 A.A. TWP.
EXIST. 8" W. MAIN
HATCHER CRESCENT
SAUNDERS
COOLEY AVE.
MAPLEWOOD CRESCENT
220 219 218 217 216 215 214 213 210 209 208 207
1715 1721 1725 1731 1730 1724 1720 1714 1710 1706 1800 1804 1810 1814 1818
1710 1720 1730 1740 1735 1731 1721 1715 1705 1701 1691 1681 1621 1615
163 164 165 166 167 168 169 170 171 172 173 174 175
127 125 124 123 122 121 120 119 118
126
212 211
72 47.72 55 55
EXIST. 8" W. MAIN
EXIST. 8" W. MAIN
EXIST. 8" W. MAIN
45.18
102.1
102.4
1800 SF.
1624 78.29
1664
45.70 3571
5.6 SF
3572
3573
3574
3575
3576
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3582
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3584
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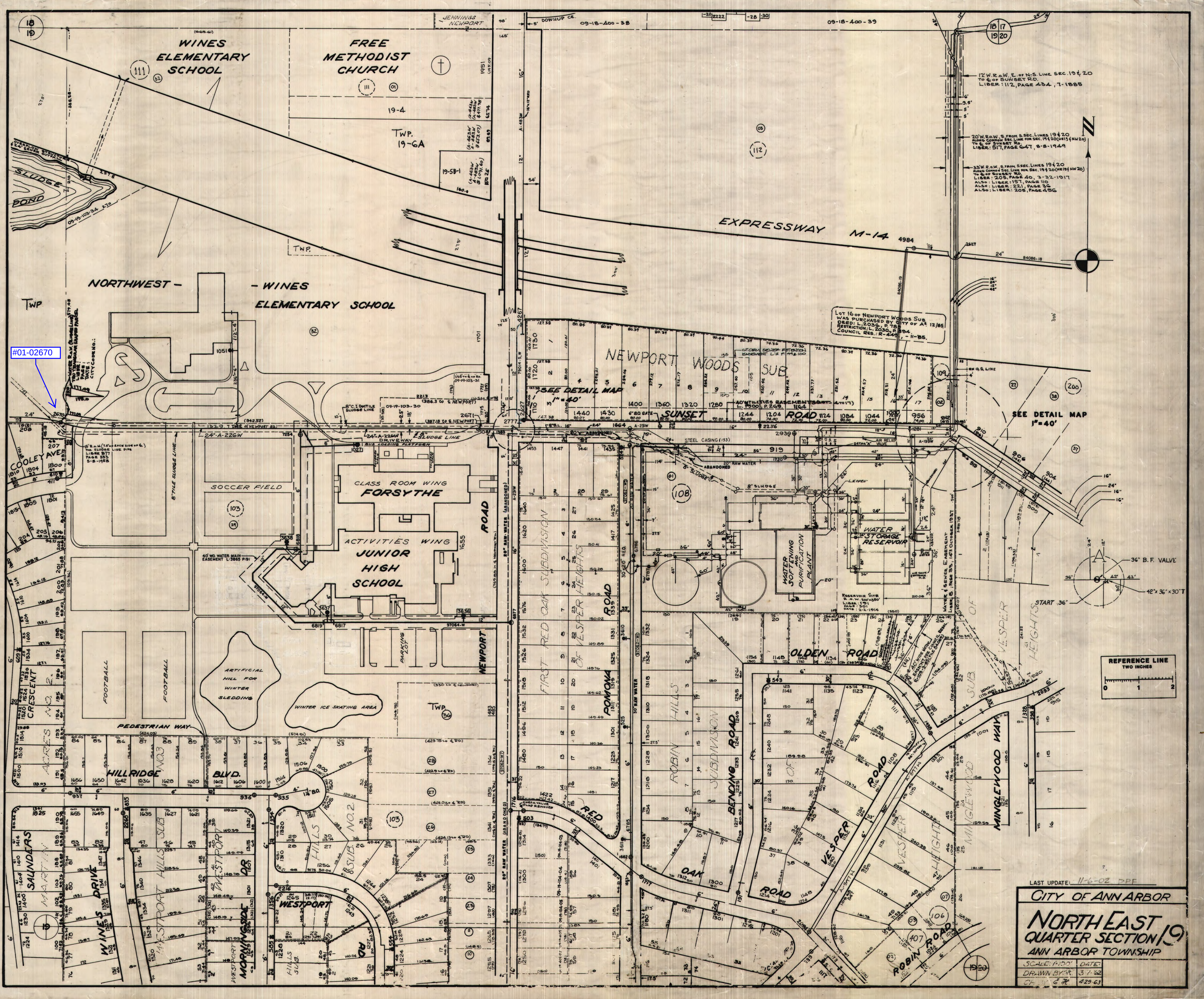
3609
3610
3611

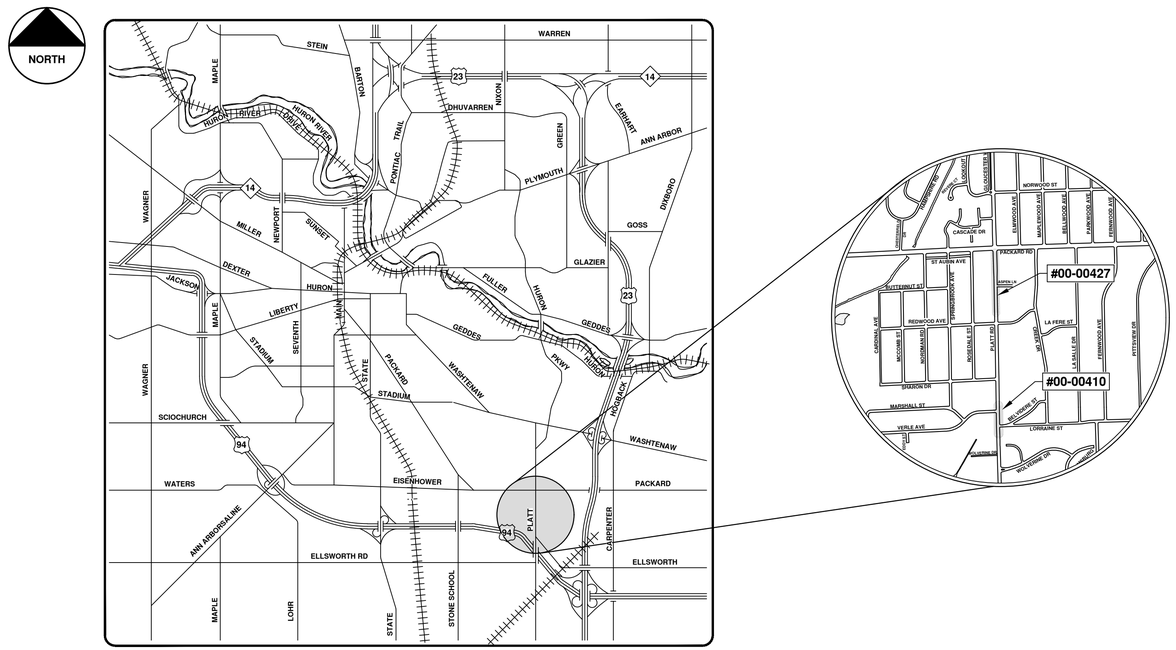


WINES ELEMENTARY SCHOOL
FREE METHODIST CHURCH
TWP. 19-6A
SLUDGE POND
EXPRESSWAY M-14
NORTHWEST - WINES ELEMENTARY SCHOOL
#01-02670
NEWPORT WOODS SUB
SEE DETAIL MAP 1"=40'
SUNSET ROAD
SEE DETAIL MAP 1"=40'
COOLEY AVE.
SOCCER FIELD
CLASS ROOM WING
FORSYTHE
ACTIVITIES WING
JUNIOR HIGH SCHOOL
NEWPORT ROAD
FIRST RED OAK SUBDIVISION
OF VESPER HEIGHTS
POMONA ROAD
WATER STORAGE RESERVOIR
WATER SOFTENING AND PURIFICATION PLANT
OLDEN ROAD
ROBIN HILLS SUBDIVISION
BENDING ROAD
RED OAK ROAD
VESPER ROAD
MINGLEWOOD WAY
ROBIN ROAD
FOOTBALL
FOOTBALL
ARTIFICIAL HILL FOR WINTER SLEDDING
WINTER ICE SKATING AREA
PEDESTRIAN WAY
HILLRIDGE BLVD.
WESTPORT RD
MORNINGSIDE DR
WINES DRIVE
SAUNDERS
CRESCENT
REFERENCE LINE TWO INCHES
LAST UPDATE: 11-6-02 DPF
CITY OF ANN ARBOR
NORTH EAST QUARTER SECTION 19
ANN ARBOR TOWNSHIP
SCALE: 1:100'
DATE:
DRAWN BY: 3-7-62
4-29-63

2022 VALVE REPLACEMENT PROJECT

PLATT ROAD

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
80	PLATT ROAD
81	PLATT ROAD TRAFFIC CONTROL
82	NEW VALVE
86	NEW VALVE



VICINITY MAP

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301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	BY	DRAWN	BY	CHECKED
00	COPY TO NEXT LINE AND EDIT THE TEXT					

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE

DRAWING No. 2022023-80

SHEET No. 80 OF 112

ENGINEERING
CITY OF ANN ARBOR PUBLIC SERVICES
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ANN ARBOR, MICHIGAN 48107-8647
734-794-6410 www.a2gov.org

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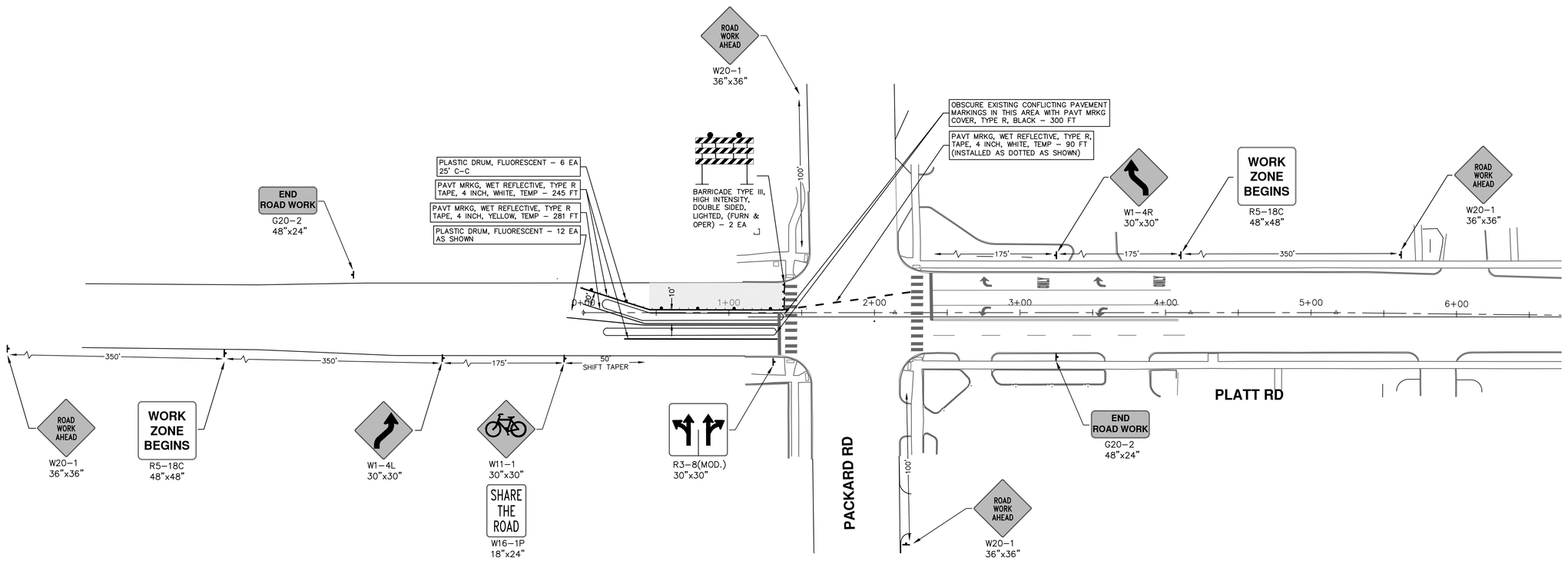
R:\2022023 Valve Replacement Project\Plan Production\2022023Cov.dwg - _a2 standard bw.stb - Plot Date: 12/6/2021 3:25:18 PM



R:\2022023 Valve Replacement Project\Plan Production\2022023Mtrf Platt.dwg Dwg Created: 6-Dec-21 — _a2 standard bw.stb — Plot Date: 6-Dec-21

Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	BY	DRAWN	DATE	BY	CHECKED
00	COPY TO NEXT LINE AND EDIT THE TEXT						

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PUBLIC SERVICES
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ANN ARBOR, MI 48107-8647
734.794.6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

2022 VALVE REPLACEMENT PROJECT

PLATT RD TRAFFIC CONTROL

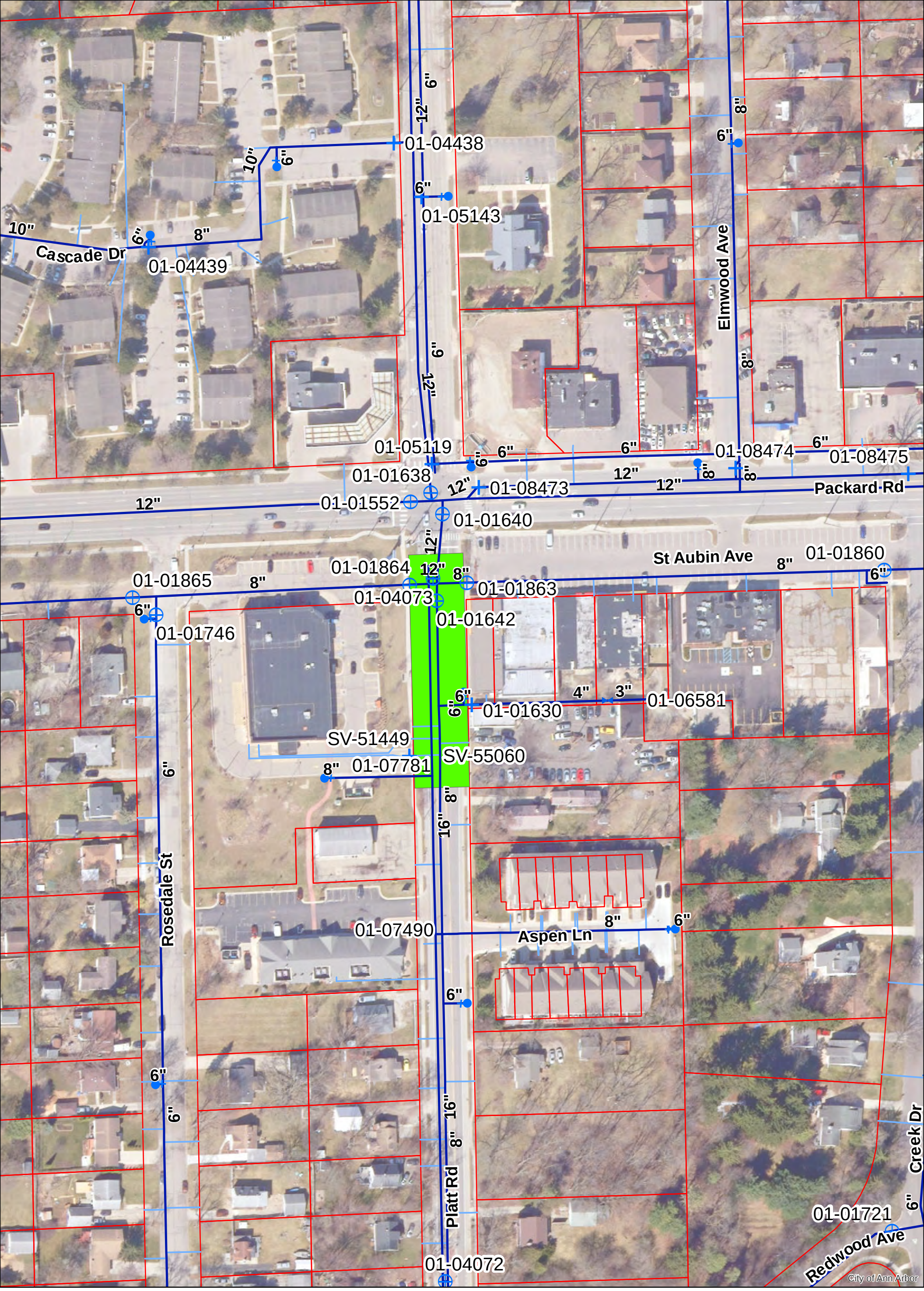
NEW VALVE

SCALE : 1" = 40'

DRAWING No.
2022023-81

SHEET No.
81 OF 112

Install new valve on 16" watermain 00-00427
Just south of the 01-04073 interconnect



N

Gate Valve, Box · Gate Valve, Well · Hydrant · Reducer · Watermain · Water Lateral · Area of Interest · Parcel

0 0.0075 0.015 0.03 0.045 0.06 Miles

For terms and conditions please visit www.a2gov.org/terms

PLATT ROAD

SHARON STREET

AVENUE

REDWOOD

4-1½"-45°B FOR VERT. ALIGN.
16"
3.5°OF16" B-B
9°OF16"B-B
4°OF16" B-B
SCALE: 1"=10'

4-16"-22½°B'S FOR VERT ALIGN.
16"
7°OF 16" B-B
6°OF16"B-B
7½°OF 16" B-B
SCALE 1"=10'

SCALE 0 10 20 40 FEET

MATCH LINE STA 49+00 SEE SHEET NO. A-545W-04

SEE SHEET NO. A-545W-06 STA 58+20 MATCH LINE

8" SAN. SEW.
8" WATER
8" ST SEW.
12" ST SEW.
24" ST SEW.
6" GAS
6" GAS H.P.
6" GAS L.P.
CONC.
GVL. DWY.
CONC. DWY.
ASPH. DWY.
ASPHALT
5'-0" SIDEWALK
P.I.F.
R.O.W.
66'
50' R.O.W.
26'
60' R.O.W.
8"
12"
16"
18"
24"
36"
54"
60"
EXIST. 8" SAN. SEWER
3" SAN. SEWER
ELEC. SIGN
HYD. #2092 17' BRANCH
HSE #3192
HSE #3178
754
1722
1723

158'OF16" B-B
4-16"-45°B FOR VERT. ALIGN.
354.5'OF16" B.-G.V
10'OF16"G.V.-T
16"G.V.#4071 IN M.H. 17'E. & 10'S. OF HYD. #2092
372.5'OF 16" T-B
2-16"-45°B
121'OF16" B-B
5'OF16" B-B
31.5'OF16"B-T

FOR "AS BUILT" SEE A-545W-01

NOTE: ALL EXISTING UTILITIES ARE SHOWN APPROXIMATE ONLY.

45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00

830 825 820 815 810

EXIST. GRADE ABOVE ℄ OF R.O.W.
16"-45°B 49+08.5
16"-45°B 49+12
16"-45°B 49+25
16"-45°B 49+21
24" ST. SEW.
158'OF 16" B-B
354.5'OF 16" B-G.V.
12" SAN
EX. 8" SAN. SEW. W'LY
16" G.V.#4071 52+29.5
16"x6"T FOR HYD. #2092 52+89.5
EX. 12" STM. SEW.
372.5'OF16"T-B
5' MIN. COVER
8" SANITARY SEWER
POSSIBLE PROFILE FOR EX. 8" STM. SEW.
TEL. CONDUIT
16"-22½°B 56+62
16"-22½°B 56+49
16"-22½°B 56+36
16"-22½°B 56+22
121'OF16" B-B
16"-45°B 58+03
16"-45°B 58+08
MATCH LINE 58+20

BENCH MARKS	
ELEVATION	DESCRIPTION

REV.			
REV.			
REV.			
REV.			
REV.			
REV.	1	7/77	MISC REVISIONS
			ORIGINAL ISSUE

DRAWN BY: JGH CHECKED BY:

SEALED:

CITY OF ANN ARBOR, MICHIGAN
UTILITIES DEPARTMENT

PLATT ROAD

AYRES, LEWIS, NORRIS & MAY, INC.
engineers architects
ANN ARBOR, MICHIGAN

SCALE: VERT 1"=5' HOR 1"=40'

A545W-W5

REVISION 1

(55432-03)

DUNN 500 11 73 347964

PLATT ROAD

5" G.V. # 2072 IN M.H. — 26'E. OF W'PL OF PLATT RD. 16'S. OF N'PL OF S178 PLATT RD. WITH 1" AIR RELIEF

16"x12"T — 16"PLUG — 836'OF16"T-T — 4.5'OF12"T-G.V. — 6'OF16"T-PLUG — 12"G.V.#4073 25.5'E. OF W'PL. 28'N. OF S'PL. — IN M.H. OF PLATT RD. OF ST. AUBIN WITH 1" AIR RELIEF — 4.5'OF12"G.V.-T — 12"S.SL. 2'OF16"T-S.SL. — 12"T — 16"W — 8" — 1642 — 8" — 12" — 12"

SCALE: 1"=10'

SCALE 0 10 20 40 FEET

MATCH LINE STA 58+20 SEE SHEET NO 2 ABOVE

5'S.OF 16" 8"-T

8" ST. SEW — 8" — 12" — 15" — 18" — 12" ST. SEW. — 5'-0" SIDEWALK — 6'-0" SIDEWALK — GRASS — DIRT — 4" — 6" — 10" — 12" WATER — 6" WATER — 8" WATER — 6" GAS H.P. — 6" GAS L.P. — TELEPHONE MH — TELEPHONE MH — ASPHALT PARKING — CONC. — GVL. DWY. — ASPH. DWY. — CONC. DWY. — 838'OF16"T-T — 1864 — 1863 — 1642 — 1640 — 918 — MON. — 30 — 6" W — 2" — 8" CONC. — GAS STATION

SIGNAL CONDUIT TO BE FIELD LOCATED BY TRAFFIC DIVISION AT TIME OF CONSTRUCTION WITHIN 24 HOUR NOTICE

ST. AUBIN AVENUE — PACKARD ROAD

½ NEW — 2 NEW — 5" EXIST — 2 EXIST

FOR "AS BUILT" SEE A-545W-01

NOTE: ALL EXISTING UTILITIES ARE SHOWN APPROXIMATE ONLY.

58+00 59+00 60+00 61+00 62+00 63+00 64+00 65+00 66+00 67+00 68+00 69+00

830 825 820 815

16"x8"T STA 58+39.5 8'S.OF 16"#4072 IN M.H.

EXIST. GRADE ABOVE ℄ OF R.O.W.

EX 12" STM — 5' MIN. COVER — 838'OF16"T-T — EX 8" WATERMAIN — 12"T #4073 STA 67+77.5 — 8'S.OF 16"T #4072 STA 67+68.5

8" ST. SEW. — EXIST. 8" SANITARY SEWER — 12" ST. SEW WESTERLY — 8" ST. SEW. CONTINUOUS NORTH UNKNOWN DISTANCE & GRADE

INV EL 812.34 — INV EL 812.24 — INV EL 812.44

BENCH MARKS	
ELEVATION	DESCRIPTION

REV.			
REV.			
REV.			
REV.			
REV.			
REV.	1	7/77	MISC. REVISIONS
			ORIGINAL ISSUE

DRAWN BY: JSH — CHECKED BY: — SEALED:

CITY OF ANN ARBOR, MICHIGAN
UTILITIES DEPARTMENT

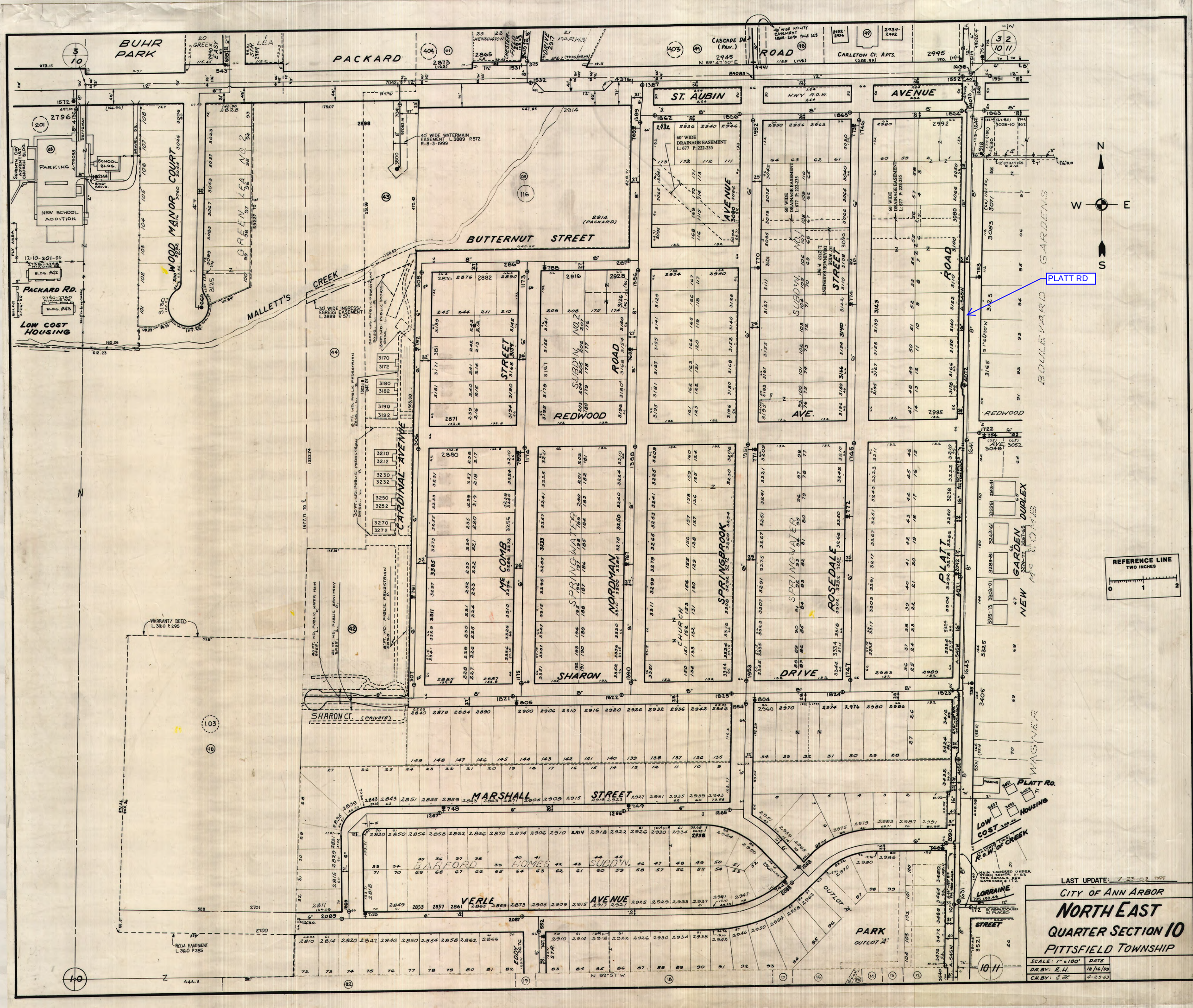
PLATT ROAD

AYRES, LEWIS, NORRIS & MAY, INC.
engineers architects
ANN ARBOR, MICHIGAN

SCALE: VERT 1"=4' HOR 1"=50'

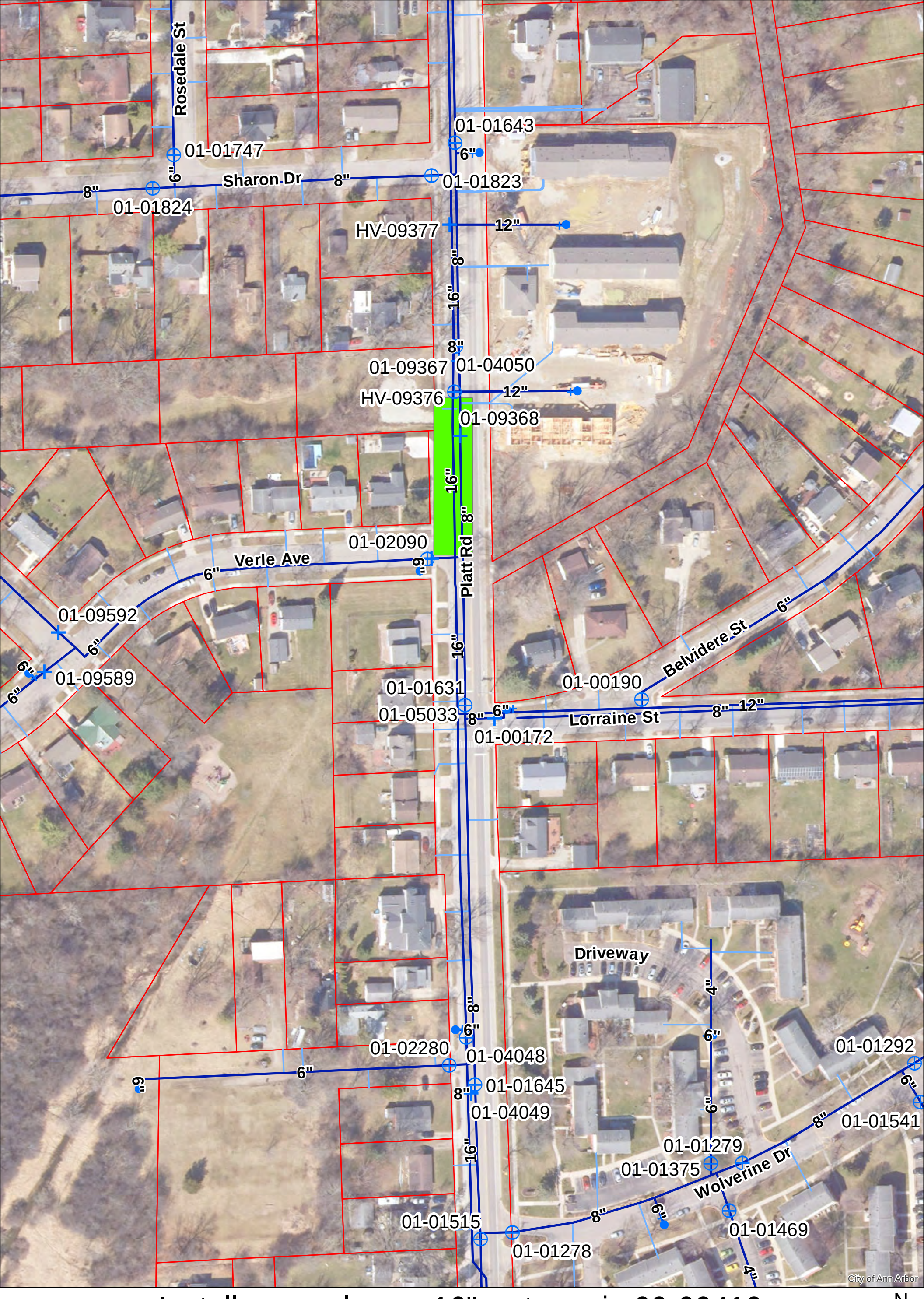
A545W-06 — REVISION 1

(55432-04)



BUHR PARK
PACKARD
ROAD
ST. AUBIN
AVENUE
HWY R.O.W.
CASCADE DR. (PRIV.)
CARLETON CT. APTS.
WOOD MANOR COURT
GREEN LEA NO. 2
BUTTERNUT STREET
MALLETT'S CREEK
PACKARD RD.
LOW COST HOUSING
PARKING
SCHOOL BLDG.
NEW SCHOOL ADDITION
40' WIDE WATERMAIN EASEMENT L.3889 P.572 R-8-3-1999
30' WIDE INGRESS/EGRESS EASEMENT L.3889 P.571
60' WIDE DRAINAGE EASEMENT L: 677 P: 222-235
CARDINAL AVENUE
McCOMB STREET
SPRINGWATER
NORDMAN
SHARON
SPRINGBROOK
CHURCH
ROSEDALE
DRIVE
PLATT
REDWOOD
AVE.
ROAD
GARDENS
BOULEVARD
NEW GARDEN DUPLEX
WAGNER
PLATT RD
PLATT RD.
LOW COST HOUSING
R.O.W. OF CREEK
LORRAINE
STREET
SHARON CT. (PRIVATE)
MARSHALL STREET
BARFORD HOMES SUBD'N.
VERLE AVENUE
OUTLOT 'A'
PARK
OUTLOT 'A'
EDDY STR.
WARRANTY DEED L.3160 P.285
R.O.W. EASEMENT L.3160 P.285
REFERENCE LINE
TWO INCHES
0 1 2
N
S
E
W
LAST UPDATE: 7-23-02 DPF
CITY OF ANN ARBOR
NORTH EAST
QUARTER SECTION 10
PITTSFIELD TOWNSHIP
SCALE: 1" = 100'
DATE
DR. BY: R.H.
12/16/59
CH. BY: E.H.
4-25-63

Install new valve on 16" watermain 00-00410
Just north of Verle Ave



Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

0 0.0075 0.015 0.03 0.045 0.06 Miles

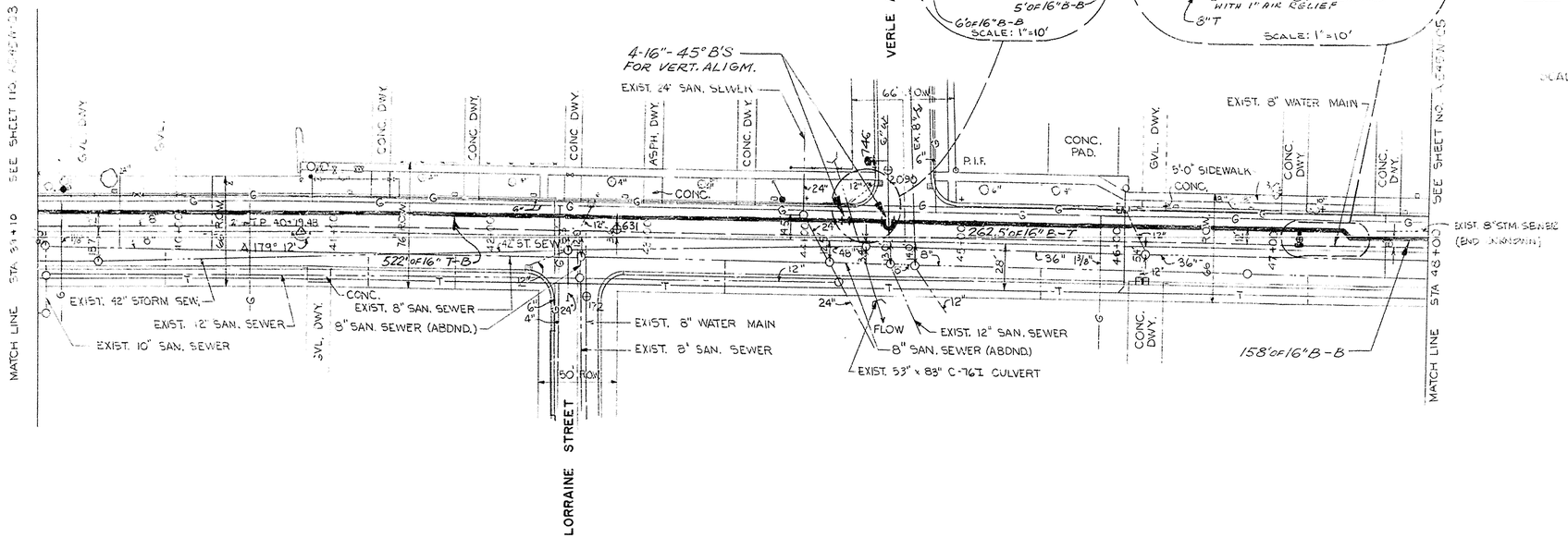
N

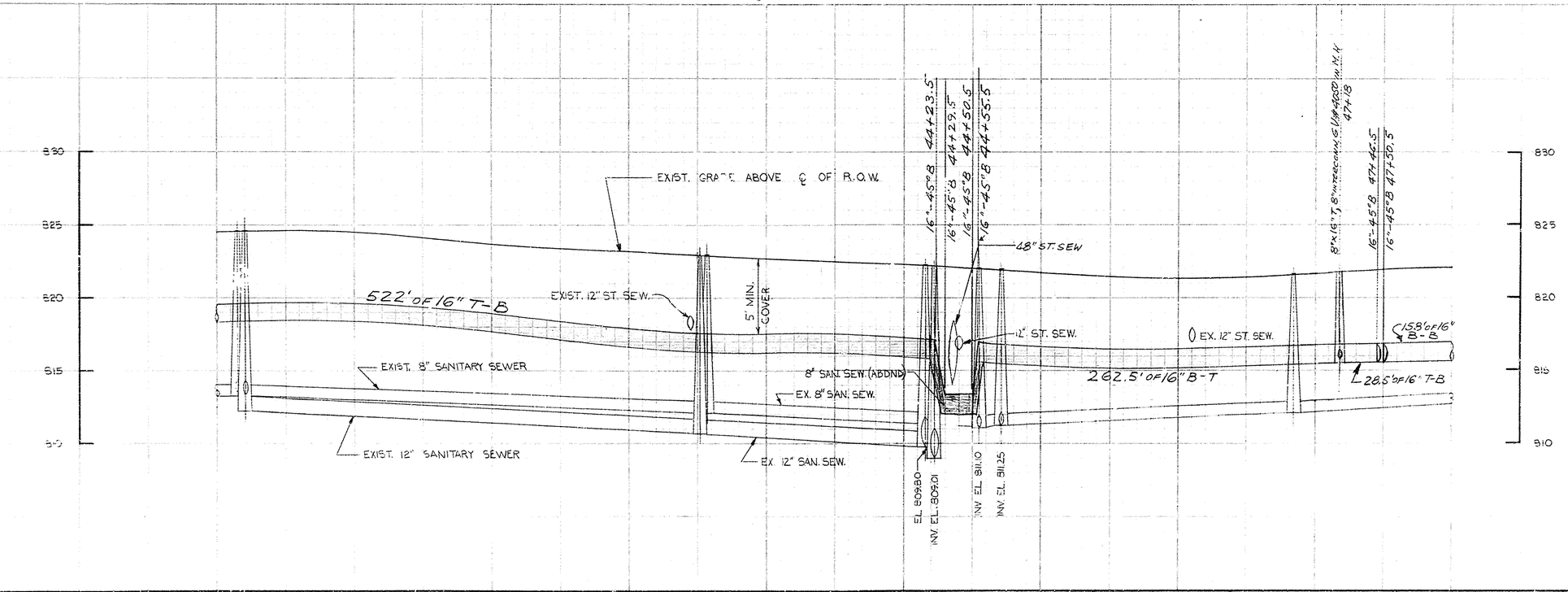
For terms and conditions please visit www.a2gov.org/terms

PLATT ROAD

VERLE AVENUE

LORRAINE STREET





FOR "AS BUILT" SEE A-545W-01

NOTE: ALL EXISTING UTILITIES ARE SHOWN APPROXIMATE ONLY.

BENCH MARKS	
ELEVATION	DESCRIPTION

REV.			
REV.			
REV.			
REV.			
REV.			
REV.	1	7/77	MISC. REVISIONS
			ORIGINAL ISSUE

DRAWN BY: K.J. CHECKED BY: SEALED:

CITY OF ANN ARBOR, MICHIGAN
UTILITIES DEPARTMENT

PLATT ROAD

AYRES, LEWIS, NORRIS & MAY, INC.
engineers architects
ANN ARBOR, MICHIGAN

SCALE: VERT 1"=4'
HOR 1"=40'

A545W-W4

REVISION 1

55432-02

PLATT ROAD

SHARON STREET

AVENUE

REDWOOD

4-1½"-45°B FOR VERT. ALIGN.
16"
3.5°OF16" B-B
9°OF16"B-B
4°OF16" B-B
SCALE: 1"=10'

4-16"-22½°B'S FOR VERT ALIGN.
16"
7°OF 16" B-B
6°OF16"B-B
7½°OF 16" B-B
SCALE 1"=10'

SCALE 0 10 20 40 FEET

MATCH LINE STA 49+00 SEE SHEET NO. A-545W-04

SEE SHEET NO. A-545W-06 STA 58+20 MATCH LINE

8" SAN. SEW.
8" WATER
8" ST SEW.
12" ST SEW.
24" ST SEW.
6" GAS
6" GAS H.P.
6" GAS L.P.
CONC.
GVL. DWY.
CONC. DWY.
ASPH. DWY.
ASPHALT
5'-0" SIDEWALK
P.I.F.
R.O.W.
66'
50' R.O.W.
26'
60' R.O.W.
8"
12"
16"
18"
24"
36"
54"
60"
EXIST. 8" SAN. SEWER
3" SAN. SEWER
ELEC. SIGN
HYD. #2092 17' BRANCH
HSE #3192
HSE #3178
754
1722
1723

158'OF16" B-B
4-16"-45°B FOR VERT. ALIGN.
354.5'OF16" B.-G.V
10'OF16"G.V.-T
16"G.V.#4071 IN M.H. 17'E. & 10'S. OF HYD. #2092
372.5'OF 16" T-B
2-16"-45°B
121'OF16" B-B
5'OF16" B-B
31.5'OF16"B-T

FOR "AS BUILT" SEE A-545W-01

NOTE: ALL EXISTING UTILITIES ARE SHOWN APPROXIMATE ONLY.

45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00

830 825 820 815 810

EXIST. GRADE ABOVE ℄ OF R.O.W.
16"-45°B 49+08.5
16"-45°B 49+12
16"-45°B 49+25
16"-45°B 49+21
24" ST. SEW.
158'OF 16" B-B
354.5'OF 16" B-G.V.
12" SAN
EX. 8" SAN. SEW. W'LY
16" G.V.#4071 52+29.5
16"x6"T FOR HYD. #2092 52+89.5
EX. 12" STM. SEW.
372.5'OF16"T-B
5' MIN. COVER
8" SANITARY SEWER
POSSIBLE PROFILE FOR EX. 8" STM. SEW.
TEL. CONDUIT
16"-22½°B 56+62
16"-22½°B 56+49
16"-22½°B 56+36
16"-22½°B 56+22
121'OF16" B-B
16"-45°B 58+03
16"-45°B 58+08
MATCH LINE 58+20

BENCH MARKS	
ELEVATION	DESCRIPTION

REV.			
REV.			
REV.			
REV.			
REV.			
REV.	1	7/77	MISC REVISIONS
			ORIGINAL ISSUE

DRAWN BY: JGH CHECKED BY:

SEALED:

CITY OF ANN ARBOR, MICHIGAN
UTILITIES DEPARTMENT

PLATT ROAD

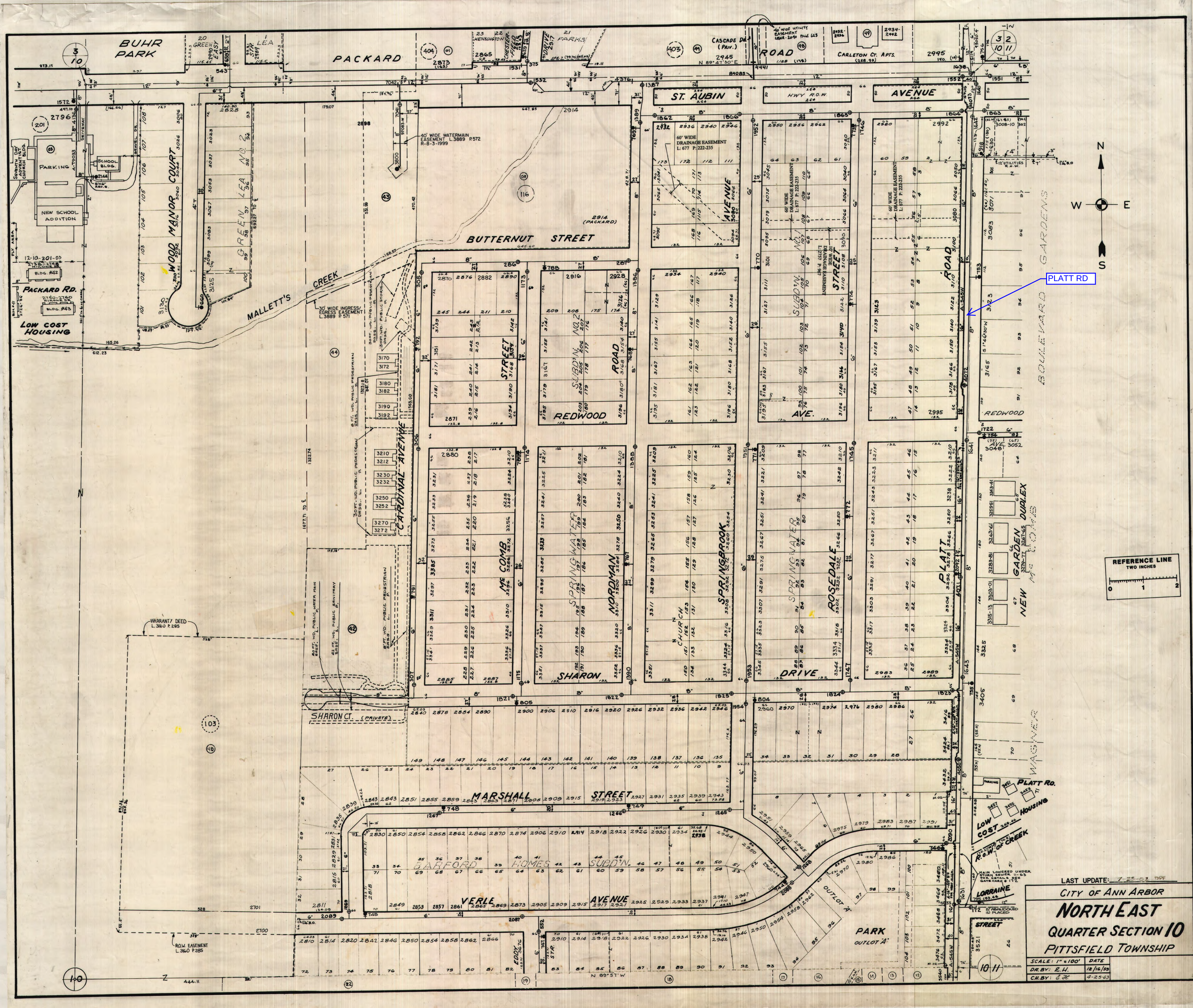
AYRES, LEWIS, NORRIS & MAY, INC.
engineers architects
ANN ARBOR, MICHIGAN

SCALE: VERT 1"=5' HOR 1"=40'

A545W-W5

REVISION 1

(55432-03)



BUHR PARK
PACKARD
ROAD
ST. AUBIN
AVENUE
HWY R.O.W.
CASCADE DR. (PRIV.)
CARLETON CT. APTS.
WOOD MANOR COURT
GREEN LEA NO. 2
BUTTERNUT STREET
MALLETT'S CREEK
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LOW COST HOUSING
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SCHOOL BLDG.
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40' WIDE WATERMAIN EASEMENT L.3889 P.572 R-8-3-1999
30' WIDE INGRESS/EGRESS EASEMENT L.3889 P.571
60' WIDE DRAINAGE EASEMENT L: 677 P: 222-235
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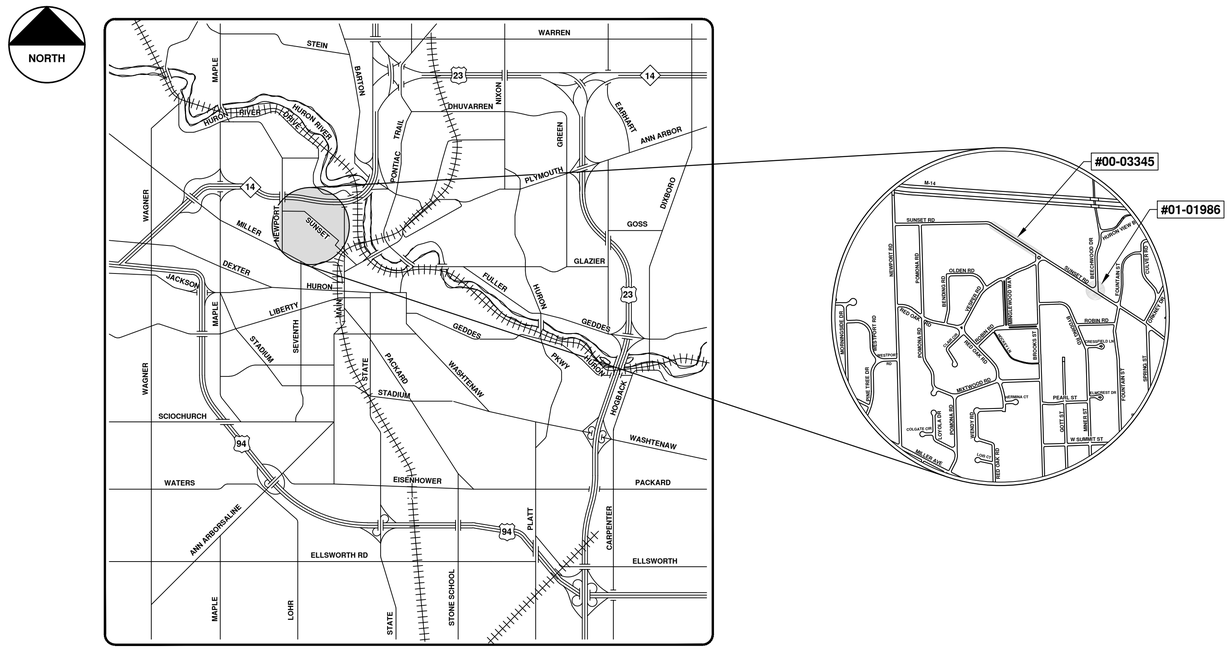
McCOMB STREET
SPRINGWATER
NORDMAN
SHARON
SPRINGBROOK
CHURCH
ROSEDALE
DRIVE
PLATT
REDWOOD
AVE.
ROAD
GARDENS
BOULEVARD
NEW GARDEN DUPLEX
WAGNER
PLATT RD
PLATT RD.
LOW COST HOUSING
R.O.W. OF CREEK
LORRAINE
STREET
SHARON CT. (PRIVATE)
MARSHALL STREET
BARFORD HOMES SUBD'N.
VERLE AVENUE
OUTLOT 'A'
PARK
OUTLOT 'A'
EDDY STR.
WARRANTY DEED L.3160 P.285
R.O.W. EASEMENT L.3160 P.285
REFERENCE LINE
TWO INCHES
0 1 2
N
S
E
W
LAST UPDATE: 7-23-02 DPF
CITY OF ANN ARBOR
NORTH EAST
QUARTER SECTION 10
PITTSFIELD TOWNSHIP
SCALE: 1" = 100'
DATE
DR. BY: R.H.
12/16/59
CH. BY: E.H.
4-25-63

2022 VALVE REPLACEMENT PROJECT

SUNSET ROAD

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
90	SUNSET ROAD
91	NEW VALVE
98	REPLACE 01-01986



VICINITY MAP

R:\2022023 Valve Replacement Project\Plan Production\2022023Cov.dwg - _a2 standard bw.stb - Plot Date: 12/6/2021 3:26:06 PM

811 Know what's below. Call before you dig.

REV.	DESCRIPTION	DATE	BY	DRAWN	BY	CHECKED
00	COPY TO NEXT LINE AND EDIT THE TEXT					

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

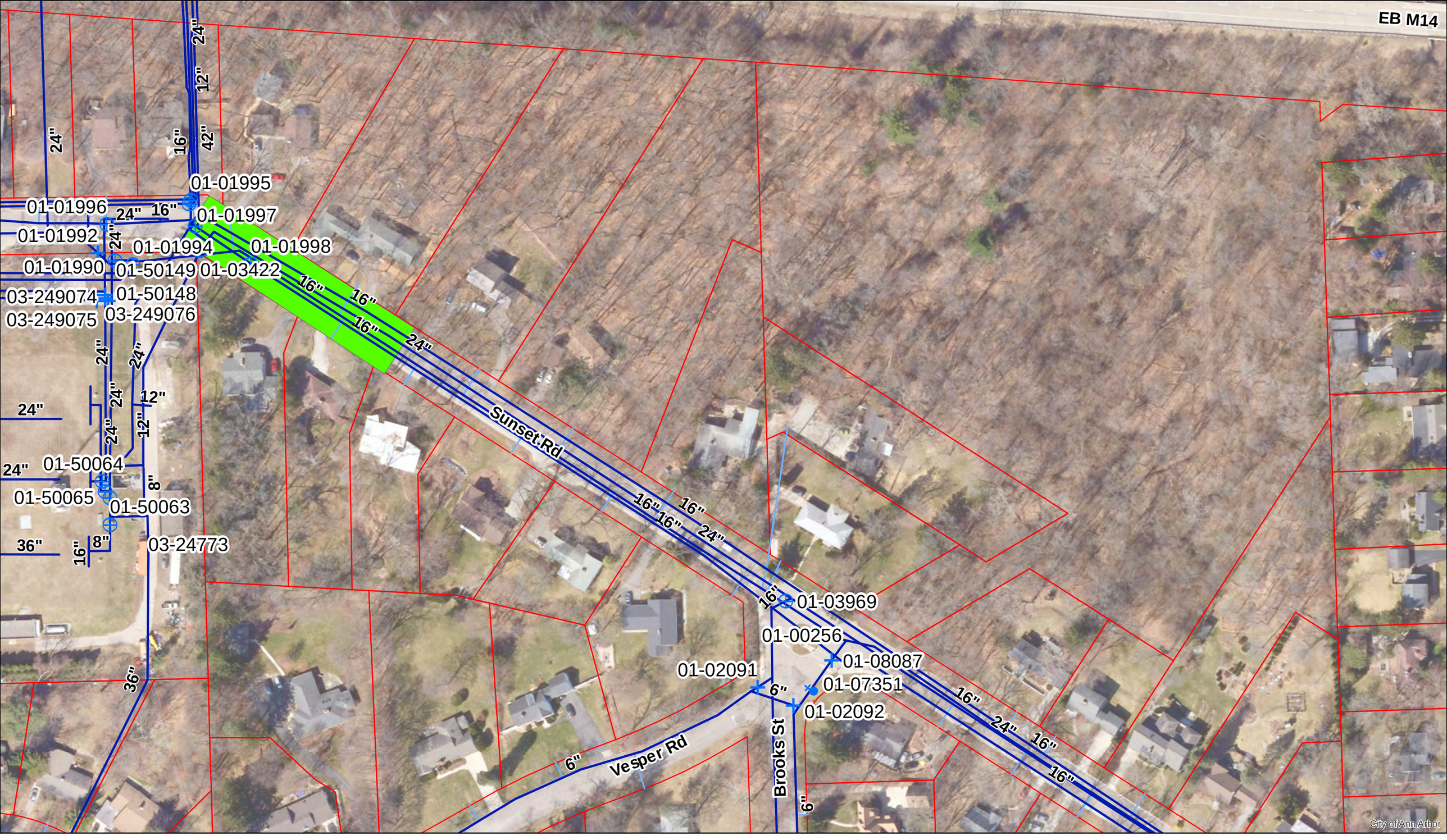
SCALE

DRAWING No. 2022023-90

SHEET No. 90 OF 112

ENGINEERING
CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET, P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
734-794-6410 www.a2gov.org

© 2022 VALVE REPLACEMENT PROJECT; BID No. BID NO; 2022023



Gate Valve, Box
Gate Valve, Well
Hydrant
Watermain
Water Lateral
Area of Interest
Parcel

Install new valve on 16" watermain 00-03345 near GVIW 01-01998

For terms and conditions please visit www.a2gov.org/terms

0 0.0075 0.015 0.03 0.045 0.06 Miles

N

CONSTRUCTION NOTES.

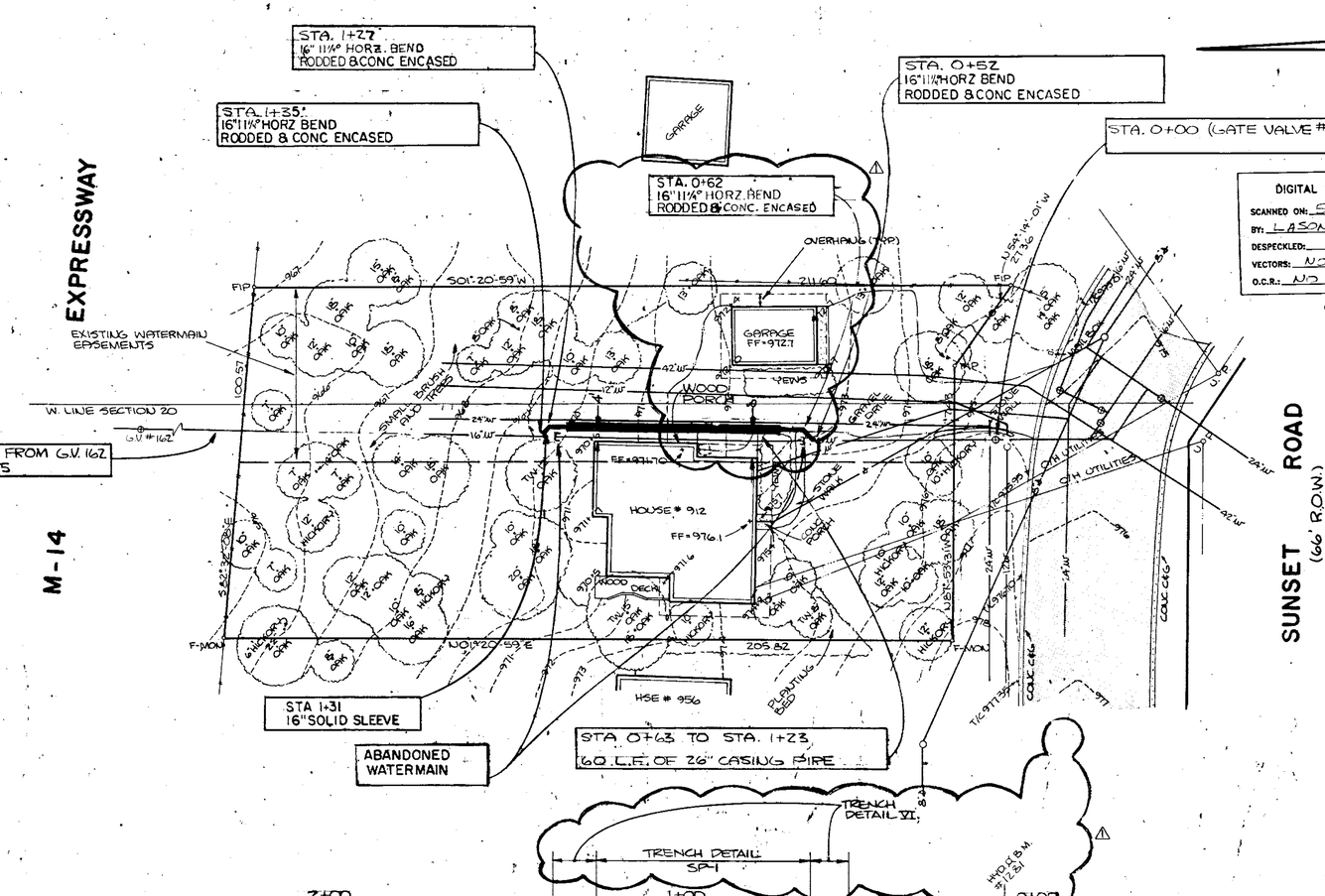
1. All work shall conform to current City of Ann Arbor Standards and Specifications.
2. The Contractor shall completely restore ALL existing site features to better than, or equal to, their existing condition.. This activity will be closely monitored by the Engineering Department.
3. The restoration shall be completed in accordance with the Contract Documents, unless otherwise specified, the following shall be considered minimum requirements:

   Driveways - 8" of 21AA Limestone compacted to 98% of its max. unit weight, the remaining material shall be M.D.O.T. Class II Sand compacted to 95% of its max. unit weight (per AASHTO T-180), or RRF Mix No. 2, Flowable Fill.

   Green Areas - 4" of topsoil & Class A seed; Native material (compacted to 90% of its max. unit weight (per AASHTO T-180) which has been approved by the Engineer for backfill may be placed from 1' above the pipe to within 4" of finished grade.

4. Upon completion of all construction operations, testing procedures, and final tie-in of the 16" water main, the Contractor shall abandon in-place the existing 16" water main in accordance with the plan sheets and Contract Documents.
5. The Contractor shall be entirely responsible for maintenance of the trench during non-working hours, until such time that, in the opinion of the Engineer, it can be permanently and properly repaired.
6. The Contractor shall arrange for the video taping of the project site and submit to the engineer for his review, said video tape a minimum of one week prior to the Pre-Construction Meeting.
7. The Contractor shall maintain continuous access to the residents of 912 Sunset for the duration of all contract work.

AS-BUILT WATER DRAWING
CORRECTED 4-15-93
MDPH PERMIT NO. W 920880
CONSTRUCTION COMPLETED 10-31-92
BACTERIOLOGICAL TEST COMPLETED N/A
PRESSURE TEST COMPLETED N/A



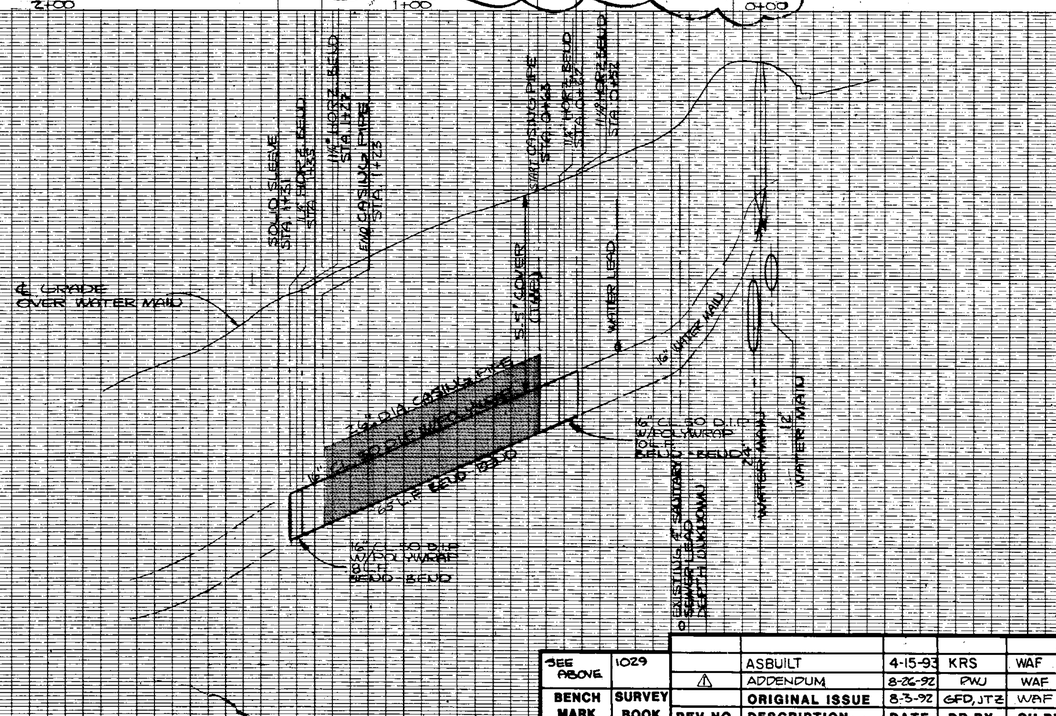
GRAPHIC SCALE
TWO INCHES
0 1 2

LEGEND

⬭	- EXISTING	VEGETATION
—W—	- "	WATER MAIN
—S—	- "	SANITARY SEWER
—•—•—	- "	FENCE
———	- "	GRAVEL
———	- "	OVERHEAD UTILITY LINES
970	- "	CONTOUR
970.0	- "	SPOT ELEVATION
T/C 970.0	- "	TOP/CURB ELEVATION
▭	- "	CONCRETE
▭	- "	BITUMINOUS
FIP	- "	FOUND IRON PIPE
F-MON	- "	FOUND MONUMENT

DIGITAL STATUS
SCANNED ON: 5-93
BY: LASON
DESPECKLED:
VECTORS: NO
O.C.R.: NO

BENCH MARK
STEAMER VALVE ON FIRE HYDRANT, N SIDE SUNSET ROAD IN FRONT OF HOUSE NO. 956
ELEV. = 980.54 (CITY OF A² DATUM)



Digital Status
Scanned On: 7-28-94
By: M.H.
Despeckled: Yes
Vectored:
O.C.R.:

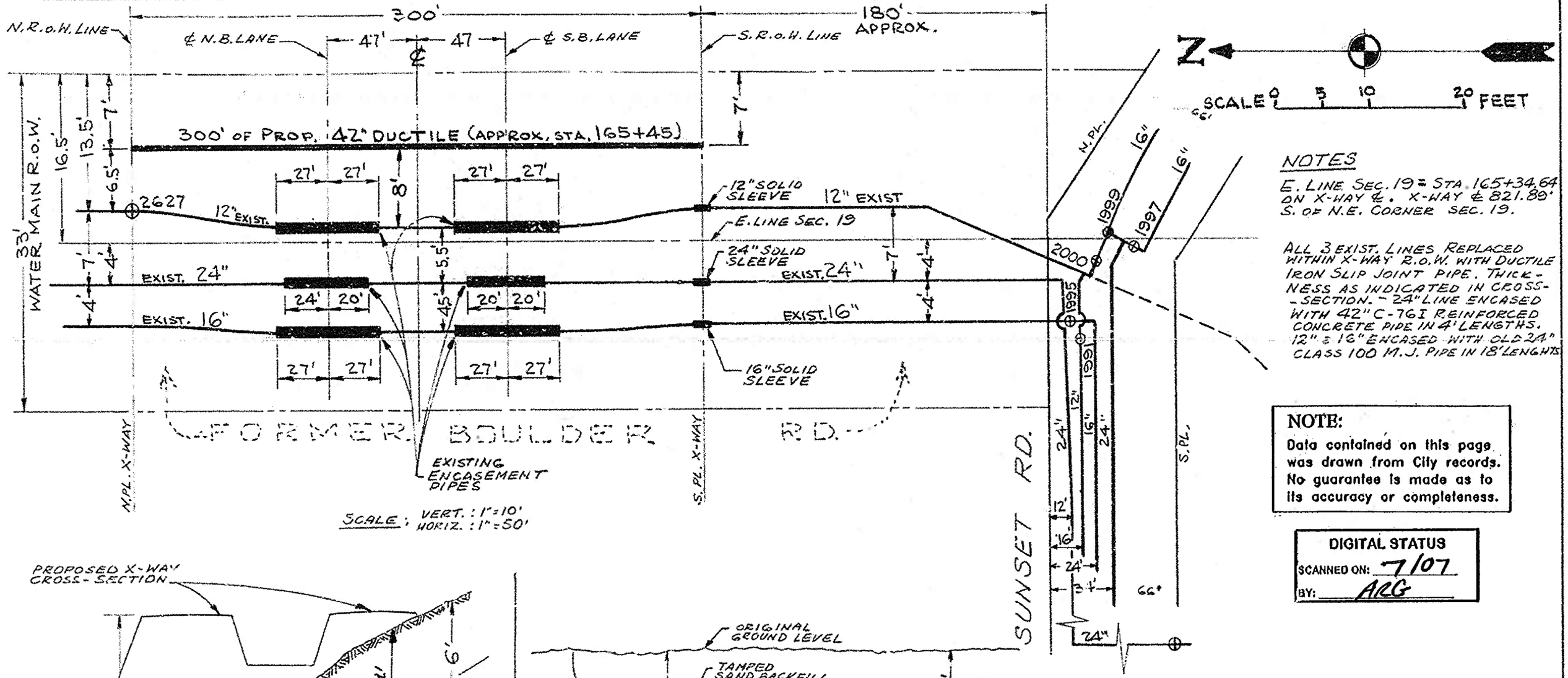
SEE ABOVE	1029		ASBUILT	4-15-93	KRS	WAF
BENCH MARK	SURVEY BOOK	⚠	ADDENDUM	8-26-92	PWJ	WAF
			ORIGINAL ISSUE	8-3-92	GFD, JTZ	WAF
		REV. NO.	DESCRIPTION	DATE	DR. BY	CH. BY

ENGINEERING DIVISION - PUBLIC SERVICES DEPARTMENT - CITY OF ANN ARBOR

912 SUNSET ROAD
WATER MAIN RELOCATION
AS-BUILT

SCALE HORIZONTAL 1"=20' VERTICAL 1"=5' — INCH
DRAWING NO. 89048-W1
SHEET NO. 3 OF 4

3 WORKING DAYS BEFORE YOU DIG CALL MISS DIG 800-482-7171 (TOLL FREE)



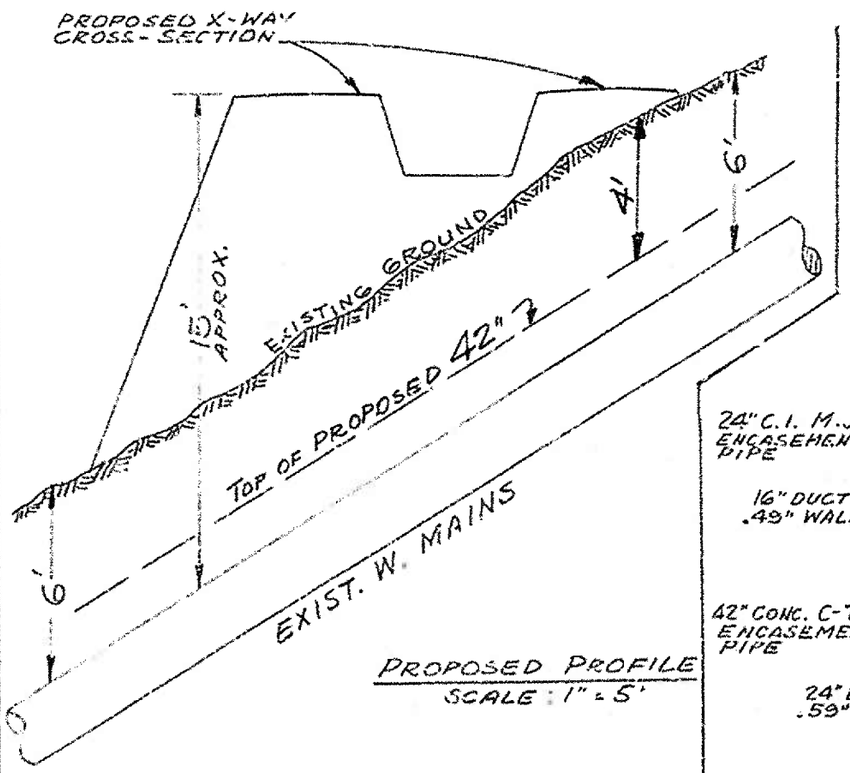
NOTES

E. LINE SEC. 19 = STA. 165+34.64 ON X-WAY ℄. X-WAY ℄ 821.89' S. OF N.E. CORNER SEC. 19.

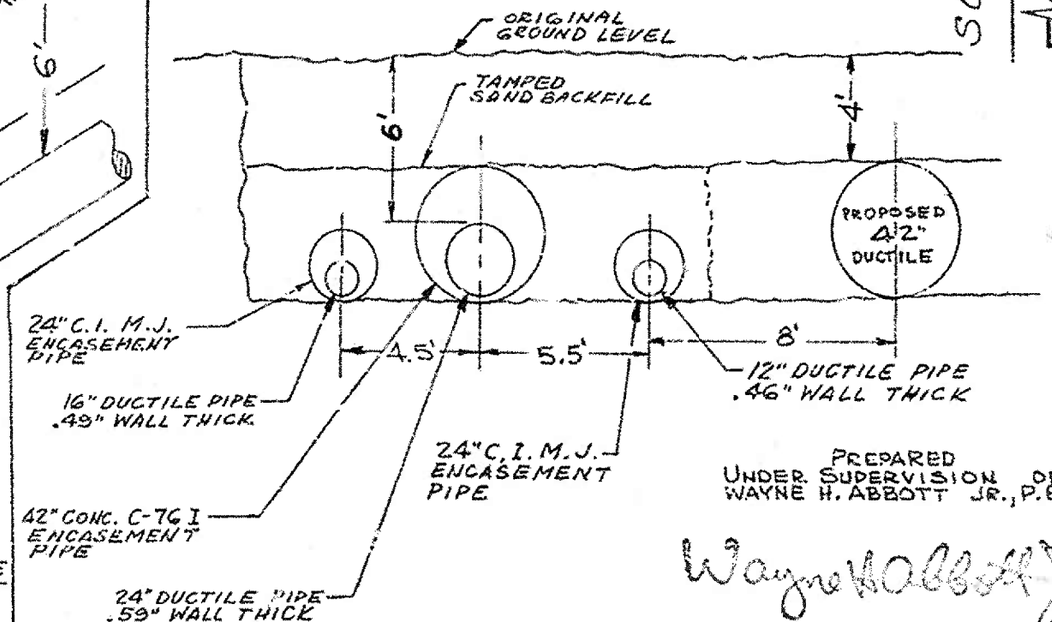
ALL 3 EXIST. LINES REPLACED WITHIN X-WAY R.O.W. WITH DUCTILE IRON SLIP JOINT PIPE. THICKNESS AS INDICATED IN CROSS-SECTION. - 24" LINE ENCASED WITH 42" C-76I REINFORCED CONCRETE PIPE IN 4' LENGTHS. 12" & 16" ENCASED WITH OLD 24" CLASS 100 M.J. PIPE IN 18' LENGTHS

NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

DIGITAL STATUS
SCANNED ON: 7/07
BY: ARG



PROPOSED PROFILE
SCALE: 1" = 5'



CROSS-SECTION AT ENCASEMENT
SCALE: 1" = 5'

AS BUILT DRAWING - A-226W

AS BUILT DRAWING — A-199W
CORRECTED: 5-8-64
MICH. DEPT. OF HEALTH PERMIT NO. 24010
CONSTRUCTION COMPLETED: 4-20-64

PREPARED UNDER SUPERVISION OF WAYNE H. ABBOTT JR., P.E.

Wayne H. Abbott Jr.

SUPERINTENDENT OF UTILITIES

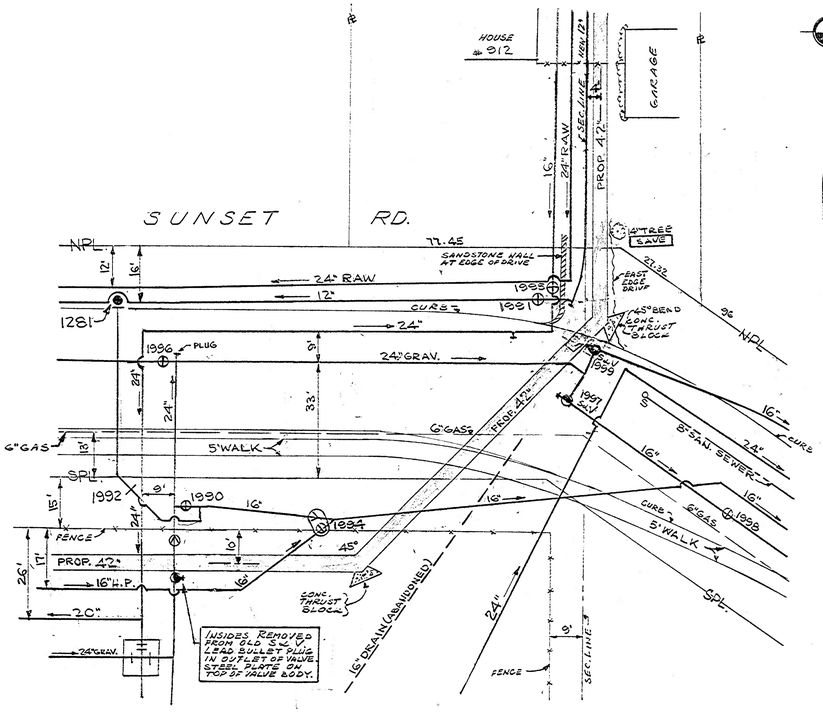
JOB NO.
12", 16" AND 24" - 761.129
42" - 757.101

CITY OF ANN ARBOR
UTILITIES DEPARTMENT

RELOCATION OF 24" & 16" RAW WATER & 12" TREATED WATER LINES VICINITY STA. 165

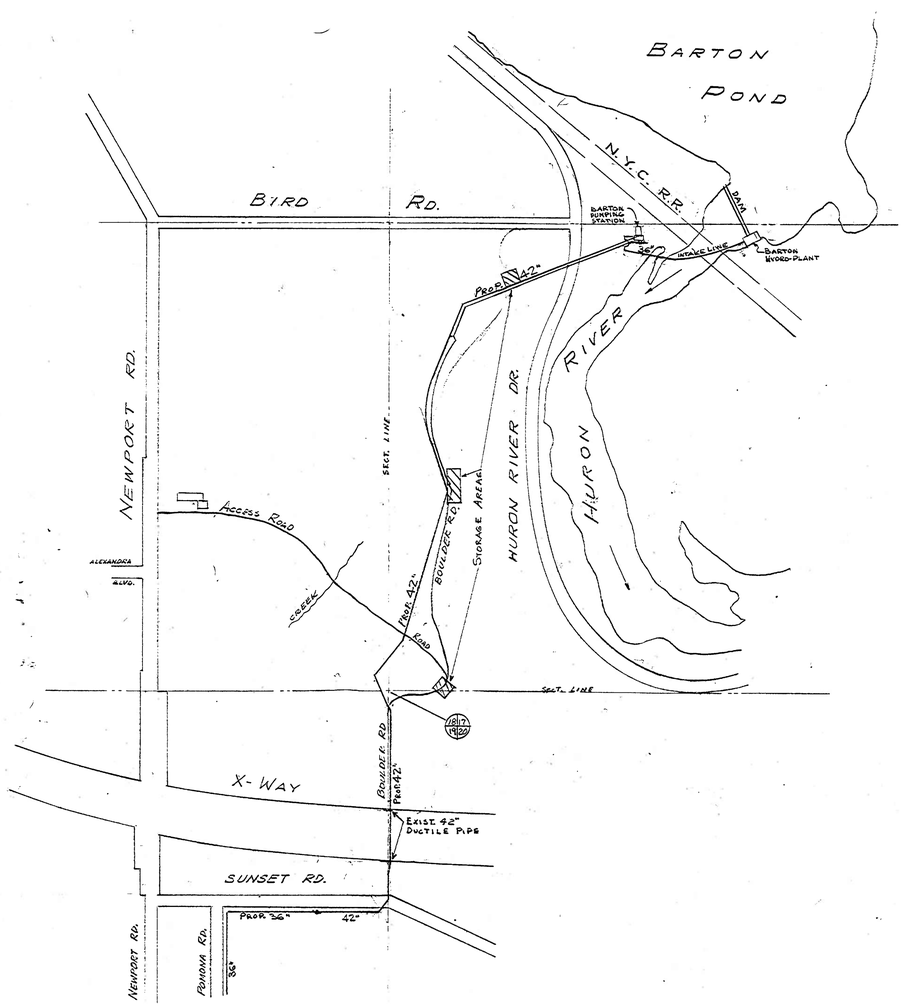
SCALE	ST. JOHN	DATE	NUMBER
DR. BY	E. H.	5-8-64	A-199W
CH. BY	HCC	5-11-64	

NOTE: SEE SHEET 3 OF 7 AND RECD DETAILED SPECS. SHEET 2 OF 2 FOR ADDITIONAL INSTRUCTIONS IN THIS AREA.



SUNSET RD. AT BEND DETAIL

SCALE 1" = 20'



GENERAL LOCATION PLAN

SCALE 1" = 400'

GRAPHIC SCALE
TWO INCHES
0 1 2

NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

DIGITAL STATUS
SCANNED ON: 8/07
BY: ARG

JOB NO. 757.101

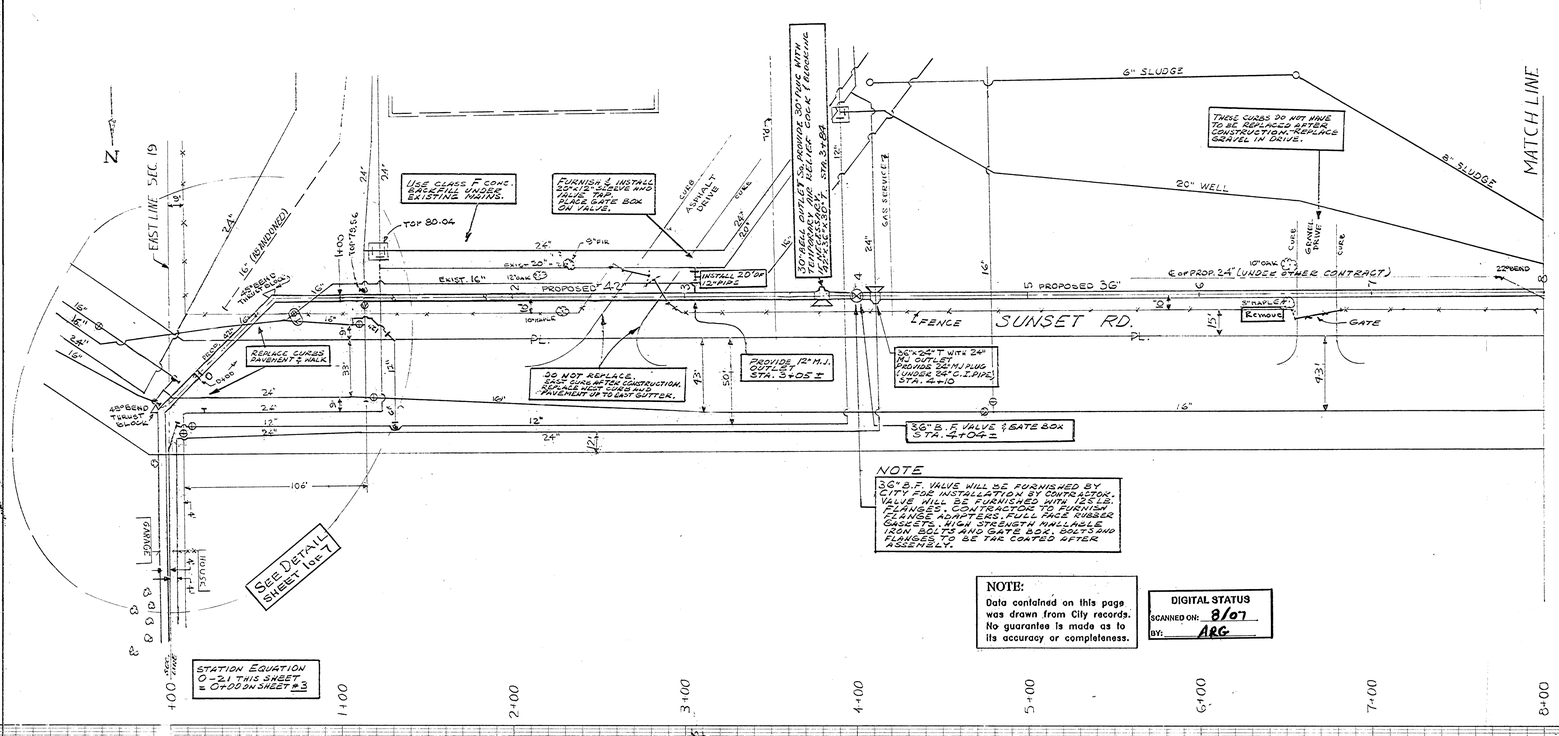
LOCATION PLAN & DETAILS

CITY OF ANN ARBOR
UTILITIES DEPARTMENT

DIVISION II
RAW WATER PUMPING MAIN

SCALE	AS SHOWN	DATE	NUMBER
DR. BY	G.H.	12-8-64	A-226W
CH. BY	HKC	12-31-64	

SHEET (1) OF (7)



CHARLES BRUNING COMPANY
PLAN PROFILE PLATE A
PRINTED IN U.S.A.

CHARLES BRUNING COMPANY
PLAN PROFILE PLATE A
PRINTED IN U.S.A.

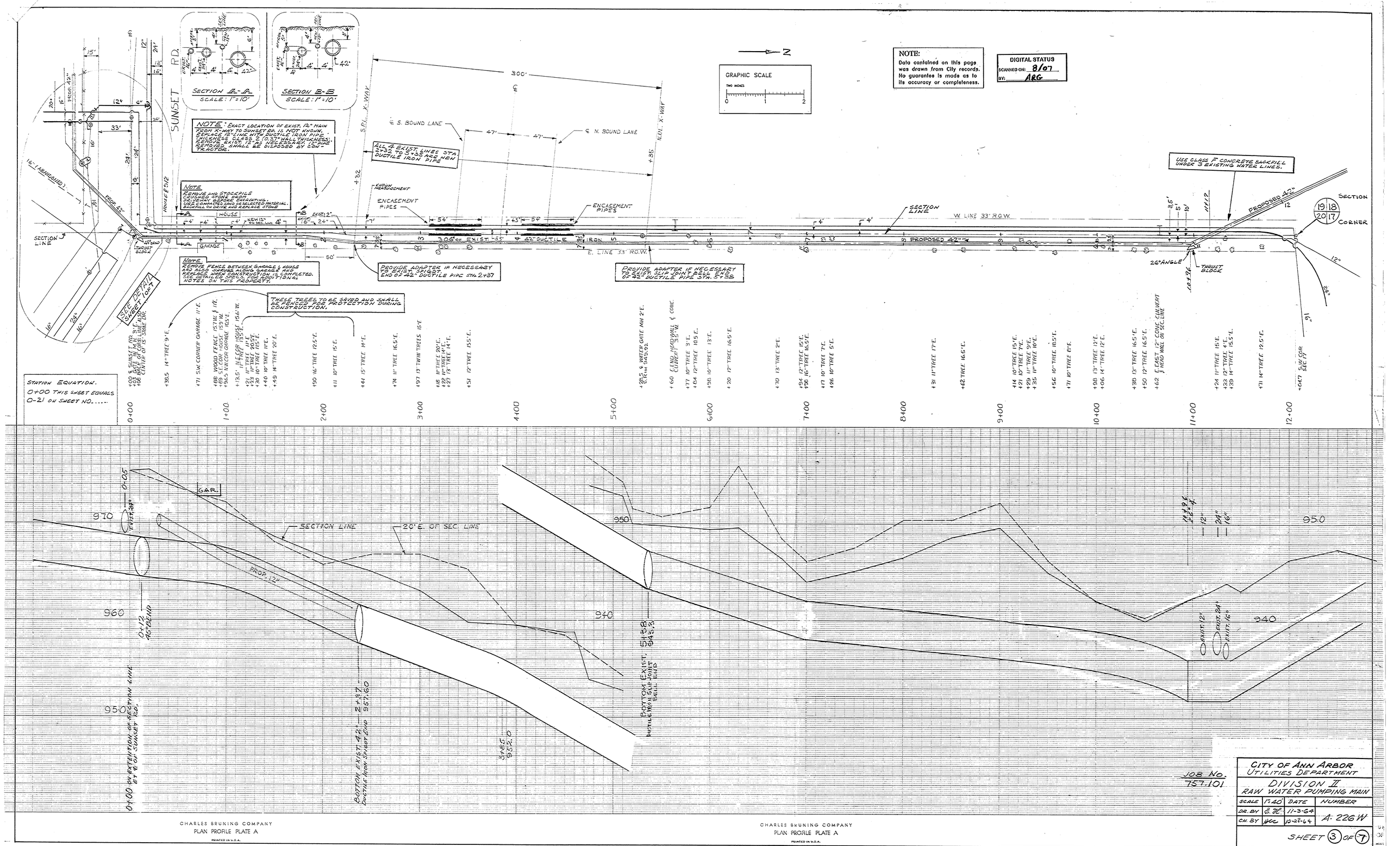
CITY OF ANN ARBOR
UTILITIES DEPARTMENT

DIVISION II
RAW WATER PUMPING MAIN

SCALE	1"=40'	DATE	NUMBER
DR. BY	B.W.	11-1-64	A-22GW
CH. BY	HCC	12-28-64	

JOB NO. 757.101

SHEET 2 OF 7



CHARLES BRUNING COMPANY
PLAN PROFILE PLATE A
PRINTED IN U.S.A.

CHARLES BRUNING COMPANY
PLAN PROFILE PLATE A
PRINTED IN U.S.A.

JOB No. 757.101

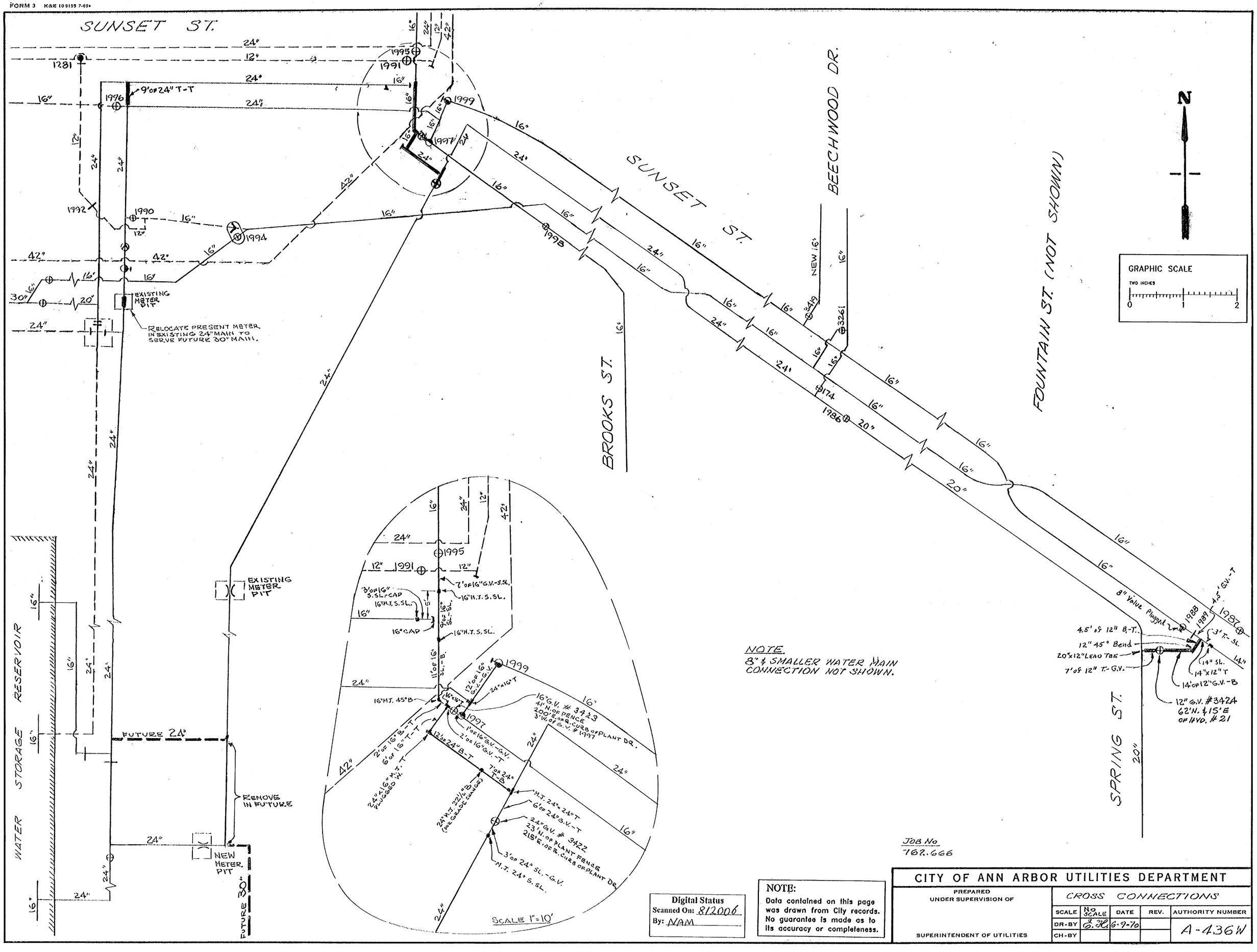
CITY OF ANN ARBOR
UTILITIES DEPARTMENT

DIVISION II
RAW WATER PUMPING MAIN

SCALE	1"=40'	DATE	NUMBER
DR. BY	E.H.	11-3-64	A-226W
CH. BY	HCC	10-28-64	

SHEET 3 OF 7

FORM 3 K&E 10 9155 7-69



NOTE
8" & SMALLER WATER MAIN CONNECTION NOT SHOWN.

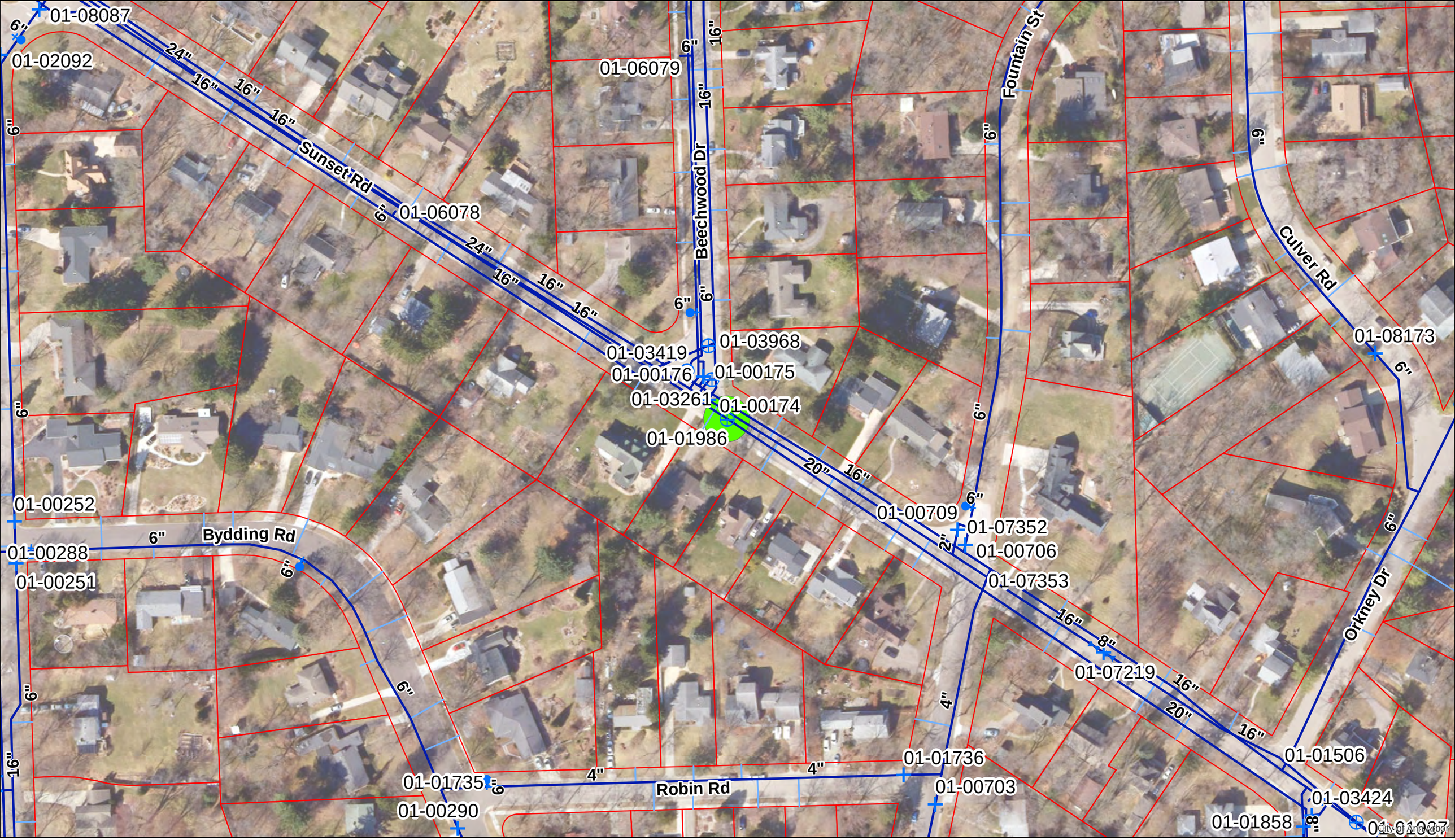
JOB No
762.666

Digital Status
Scanned On: 812006
By: NAM

NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

CITY OF ANN ARBOR UTILITIES DEPARTMENT					
PREPARED UNDER SUPERVISION OF	CROSS CONNECTIONS				
	SCALE	No SCALE	DATE	REV.	AUTHORITY NUMBER
	DR-BY	E.H.	6-9-70		A-436W
SUPERINTENDENT OF UTILITIES	CH-BY				

20" GVIW 01-01986



Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

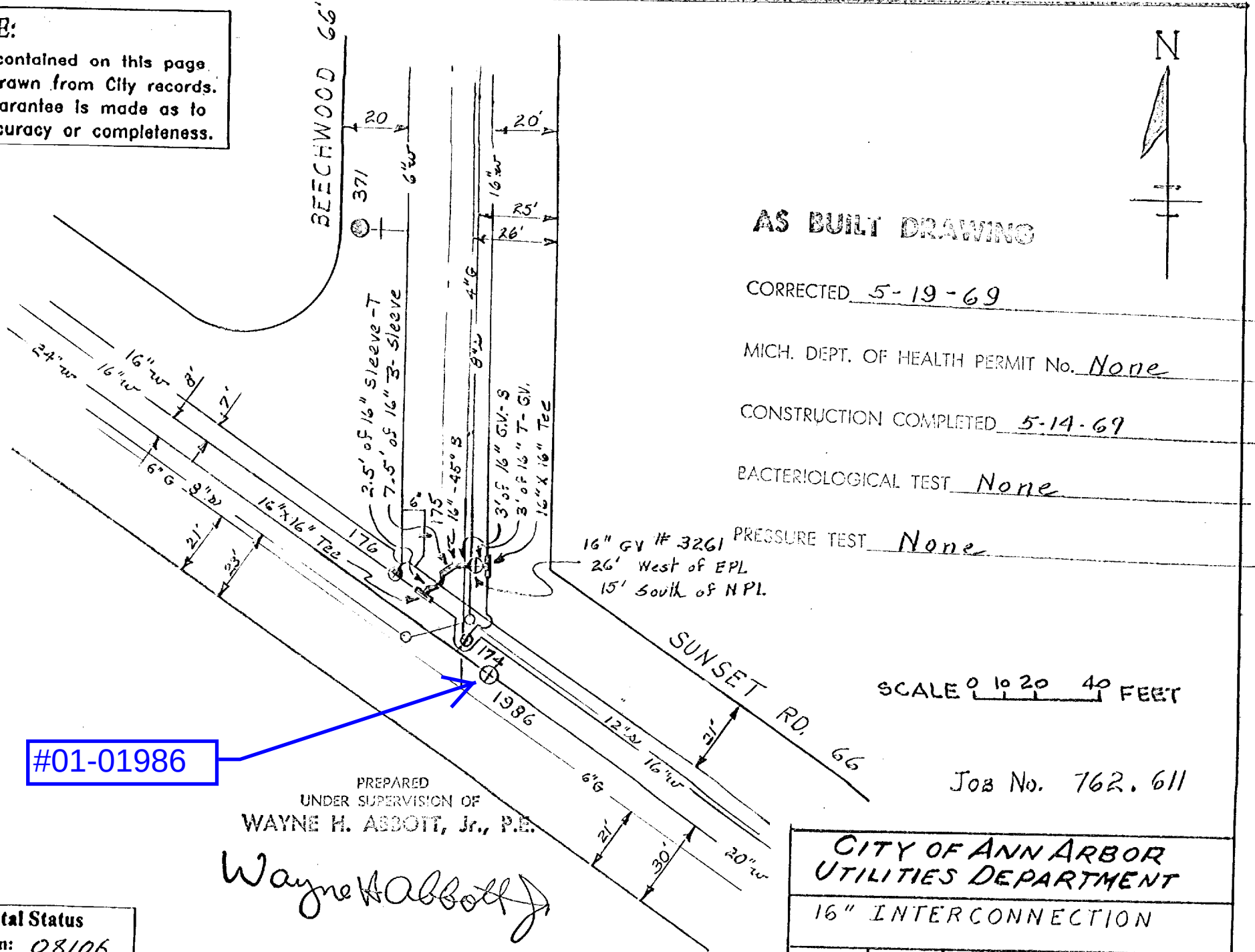
For terms and conditions please visit www.a2gov.org/terms

Miles
0 0.0075 0.015 0.03 0.045 0.06

N

City Of Ann Arbor

NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.



AS BUILT DRAWING

CORRECTED 5-19-69

MICH. DEPT. OF HEALTH PERMIT No. None

CONSTRUCTION COMPLETED 5-14-69

BACTERIOLOGICAL TEST None

PRESSURE TEST None

#01-01986

PREPARED
UNDER SUPERVISION OF
WAYNE H. ABBOTT, Jr., P.E.

Wayne H Abbott Jr

SUPERINTENDENT OF UTILITIES

Job No. 762.611

Digital Status
Scanned On: 08/06
By: NAM

CITY OF ANN ARBOR
UTILITIES DEPARTMENT

16" INTERCONNECTION

SCALE	1"=40'	DATE	NUMBER
DR. BY	D.O.	4-8-69	A-406 W-1
CH. BY			

FORM 3 K&E 10 9155 7-69

SUNSET ST.

BEECHWOOD DR.

SUNSET ST.

FOUNTAIN ST. (NOT SHOWN)

BROOKS ST.

SPRING ST.

WATER STORAGE RESERVOIR

EXISTING METER PIT

RELOCATE PRESENT METER IN EXISTING 24" MAIN TO SERVE FUTURE 30" MAIN.

EXISTING METER PIT

FUTURE 24"

REMOVE IN FUTURE

NEW METER PIT

FUTURE 30"

SCALE 1"=10'

N

GRAPHIC SCALE
TWO INCHES
0 1 2

#01-01986

NOTE
8" & SMALLER WATER MAIN CONNECTION NOT SHOWN.

8" Valve Plugged

JOB No
162.666

Digital Status
Scanned On: 8/2006
By: NAM

NOTE:
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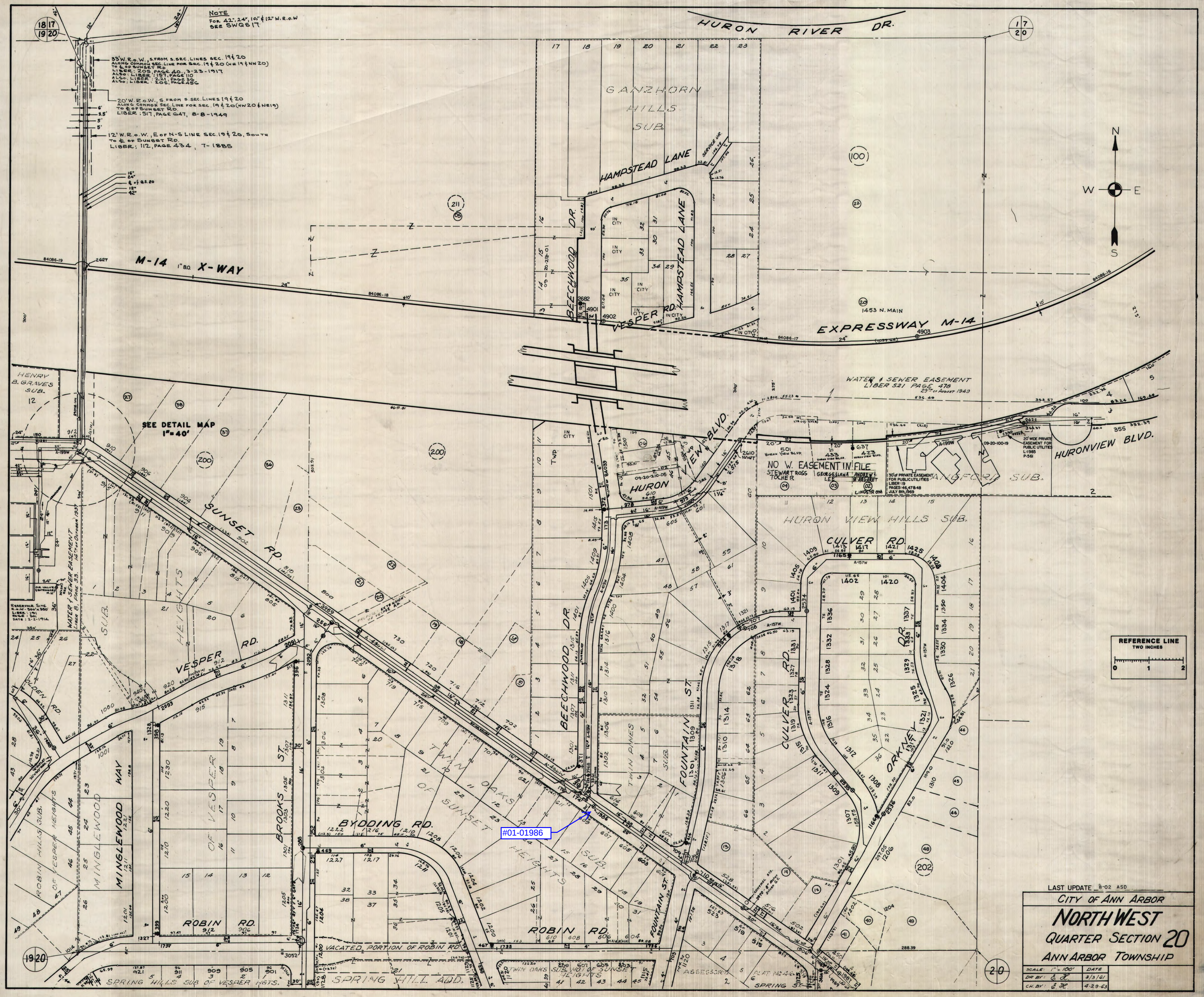
CITY OF ANN ARBOR UTILITIES DEPARTMENT

PREPARED UNDER SUPERVISION OF

SUPERINTENDENT OF UTILITIES

CROSS CONNECTIONS

SCALE	No SCALE	DATE	REV.	AUTHORITY NUMBER
DR-BY	E.H.	6-9-70		A-436W
CH-BY				

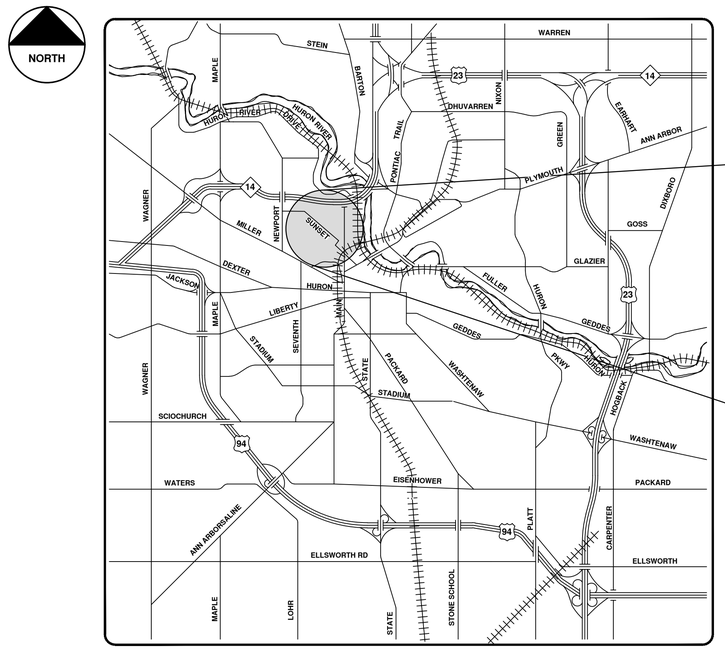


NOTE
FOR 42", 24", 16" & 12" W.R.O.W SEE SWQS17
HURON RIVER DR.
GANZHORN HILLS SUB.
HAMPSTEAD LANE
BEECHWOOD DR.
VESPER RD.
M-14 X-WAY
EXPRESSWAY M-14
1453 N. MAIN
WATER & SEWER EASEMENT LIBER 521 PAGE 478
HENRY B. GRAVES SUB.
SEE DETAIL MAP 1"=40'
SUNSET RD.
HURON VIEW BLVD.
HURONVIEW BLVD.
NO W. EASEMENT IN FILE
HURON VIEW HILLS SUB.
CULVER RD.
ORKNEY DR.
FOUNTAIN ST.
TWIN OAKS OF SUNSET HEIGHTS SUB.
BYDDING RD.
ROBIN RD.
MINGLEWOOD WAY
BROOKS ST.
VACATED PORTION OF ROBIN RD.
SPRING HILL ADD.
SPRING HILLS SUB OF VESPER HGTS.
#01-01986
REFERENCE LINE
TWO INCHES
LAST UPDATE 8-02 ASD
CITY OF ANN ARBOR
NORTH WEST
QUARTER SECTION 20
ANN ARBOR TOWNSHIP
SCALE: 1" = 100'
DATE
DR BY: E. H.
3/3/61
CH. BY: E. H.
4-29-63

2022 VALVE REPLACEMENT PROJECT

DANIEL STREET

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
102	DANIEL STREET
103	NEW VALVE



VICINITY MAP

ENGINEERING
CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET, P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
734-794-6410 www.a2gov.org

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
(734) 794-6410
www.a2gov.org

REV.	DESCRIPTION	DATE	BY	DATE	BY
00	COPY TO NEXT LINE AND EDIT THE TEXT				

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CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

SCALE

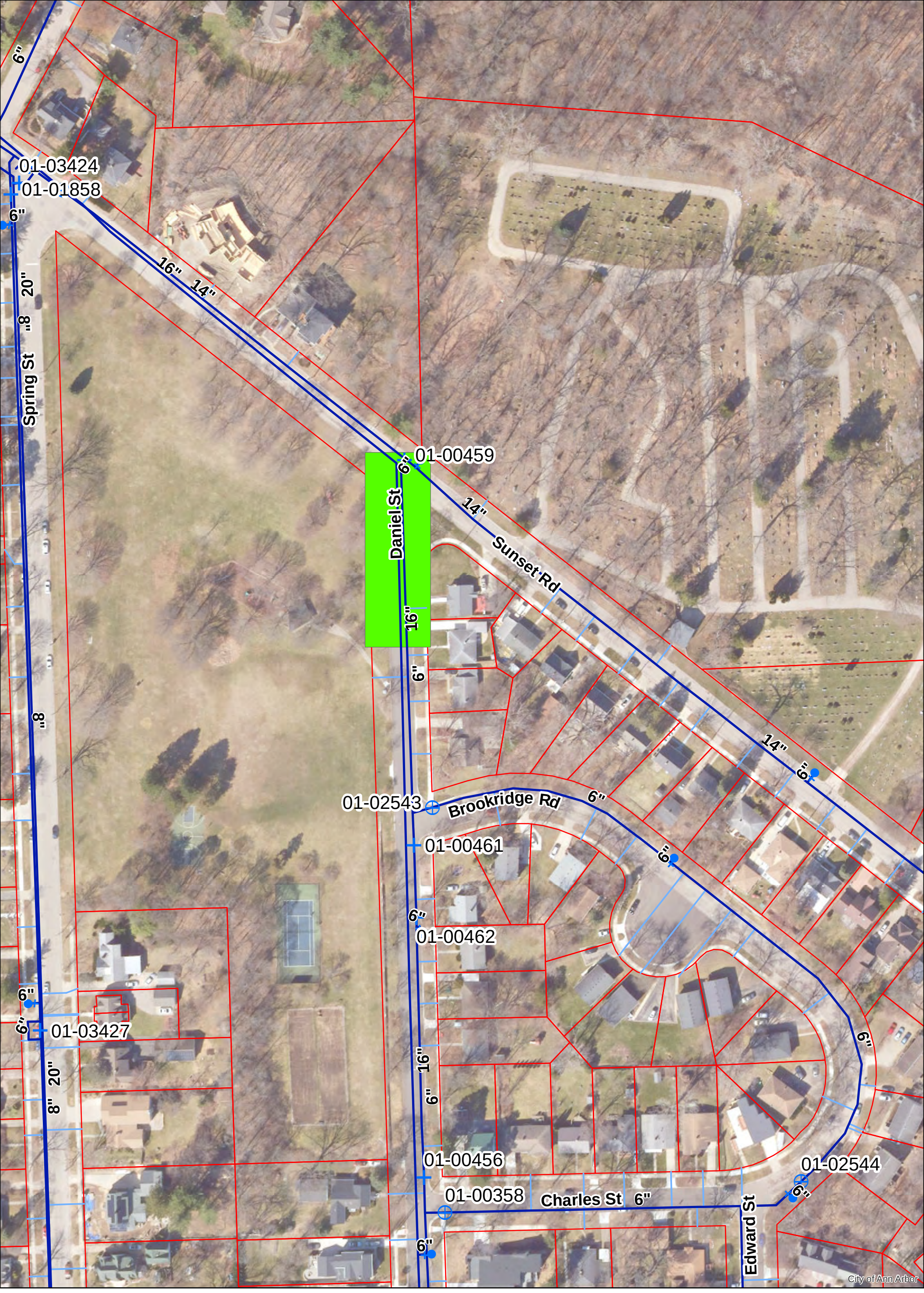
DRAWING No. 2022023-102

SHEET No. 102 OF 112

© 2022 VALVE REPLACEMENT PROJECT; BID No. BID NO; 2022023

R:\2022023 Valve Replacement Project\Plan Production\2022023Cov.dwg - _a2 standard bw.stb - Plot Date: 12/6/2021 3:26:13 PM

Install new valve on 16" watermain 00-05802

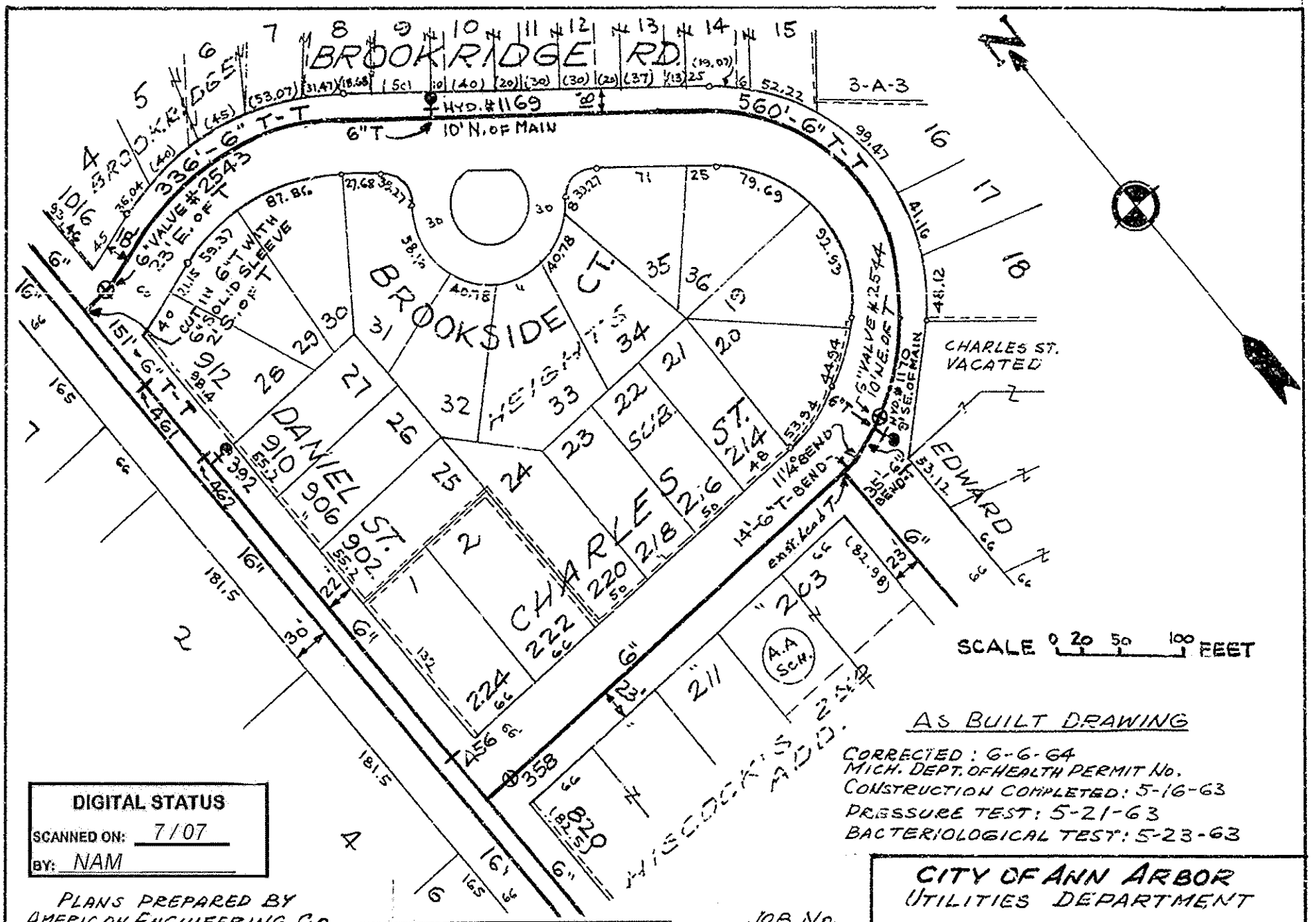


N

Gate Valve, Box
Gate Valve, Well
Hydrant
Watermain
Water Lateral
Area of Interest
Parcel

0 0.0075 0.015 0.03 0.045 0.06 Miles

For terms and conditions please visit www.a2gov.org/terms



AS BUILT DRAWING

CORRECTED: 6-6-64
MICH. DEPT. OF HEALTH PERMIT No.
CONSTRUCTION COMPLETED: 5-16-63
PRESSURE TEST: 5-21-63
BACTERIOLOGICAL TEST: 5-23-63

DIGITAL STATUS
SCANNED ON: 7/07
BY: NAM

PLANS PREPARED BY
AMERICAN ENGINEERING CO.

CONSTRUCTED BY
FRANK SILLER CO.

CITY INSPECTOR
E. J. SNAY

NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

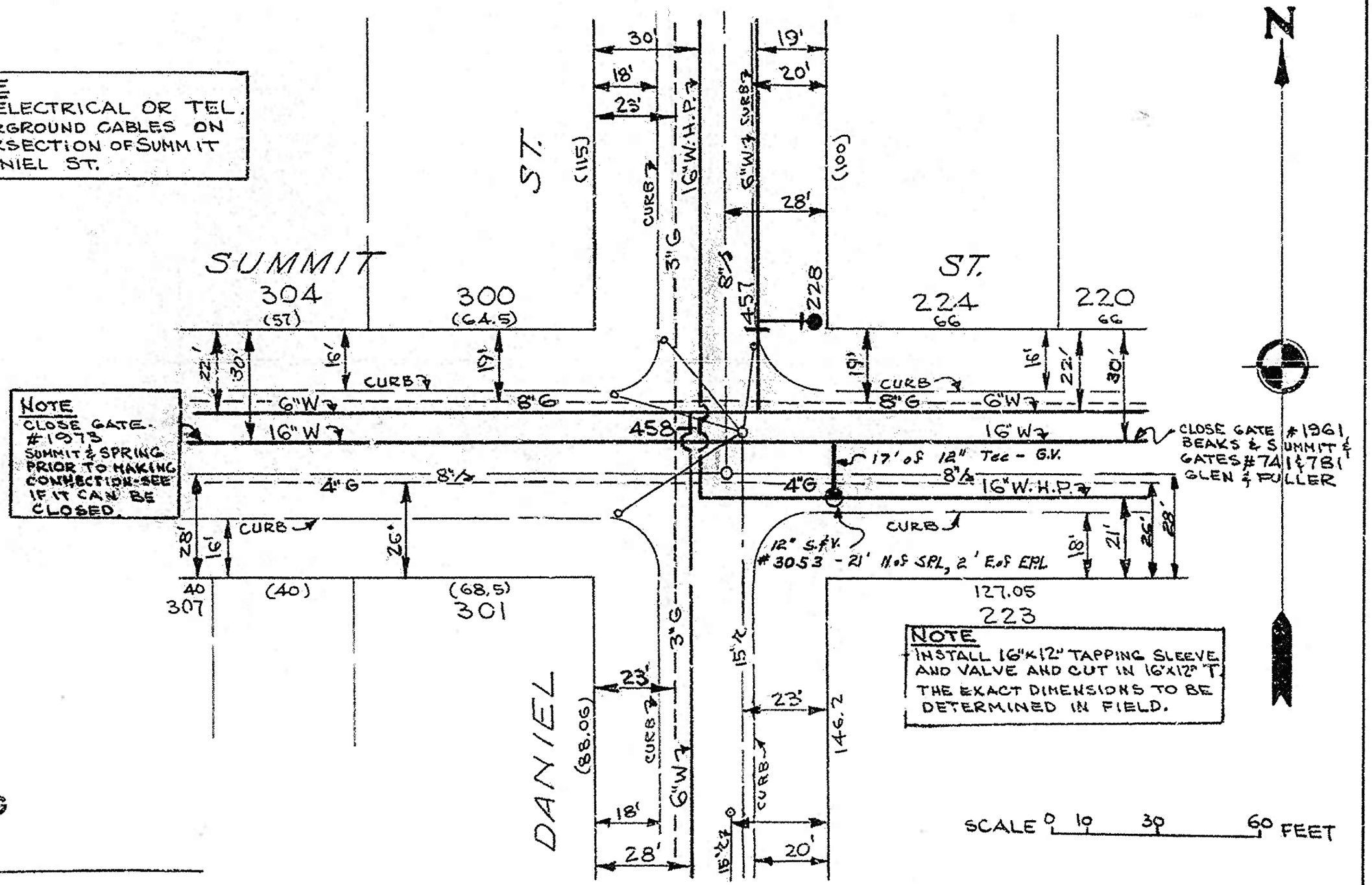
JOB No.
6"-762.253
HYD.-765.171

CITY OF ANN ARBOR
UTILITIES DEPARTMENT

BROOKRIDGE RD.
WATER MAIN

SCALE	1"=100'	DATE	NUMBER
DR BY	E.H.	6-10-64	A-201W
CH. BY	HCL	6-11-64	

NOTE
NO ELECTRICAL OR TEL. UNDERGROUND CABLES ON INTERSECTION OF SUMMIT & DANIEL ST.



AS BUILT DRAWING

CORRECTED 4-8-68

MICH. DEPT. OF HEALTH PERMIT No. None

CONSTRUCTION COMPLETED 2-20-68

BACTERIOLOGICAL TEST None

PRESSURE TEST None

NOTE:
Data contained on this page was drawn from City records. No guarantee is made as to its accuracy or completeness.

DIGITAL STATUS
SCANNED ON: 7/07
BY: ARG

PREPARED UNDER SUPERVISION OF
WAYNE H. ABBOTT, Jr., P.E.

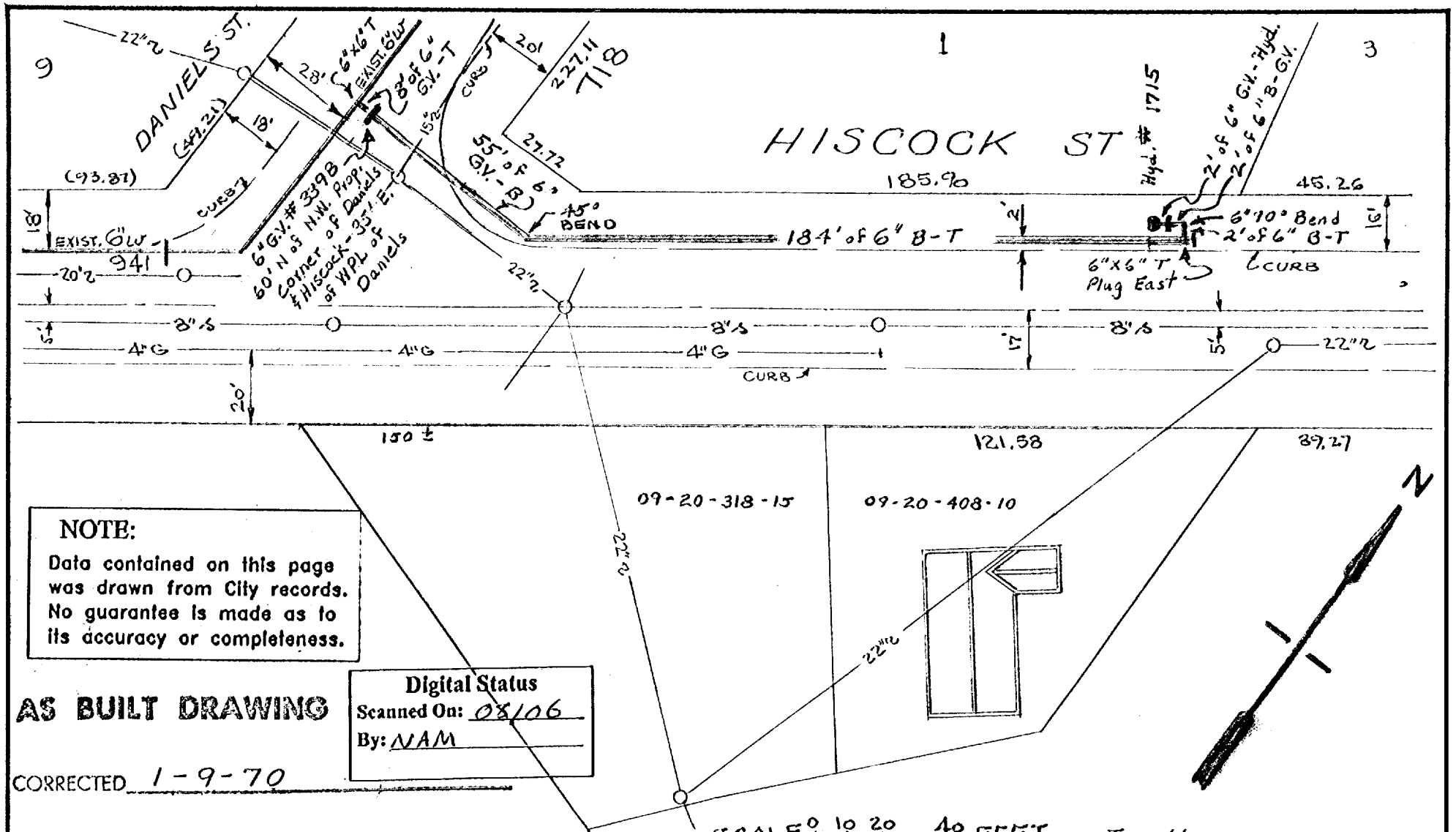
W. Wayne Abbott
SUPERINTENDENT OF UTILITIES

JOB No.
16" - 762.536

CITY OF ANN ARBOR
UTILITIES DEPARTMENT
DETAILED INTERCONNECTIONS OF W. MAINS ON SUMMIT & DANIEL ST'S.

SCALE:	1" = 30'	DATE	REV.	AUTH. NO.
DR-BY:	E.H.	11-3-67		A-354 W1
CH-BY:	GET	12-4-67		

FORM 2 K&E 10 9155 7-69•



NOTE:
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Digital Status
Scanned On: 08/06
By: NAM

AS BUILT DRAWING

CORRECTED 1-9-70

MICH. DEPT. OF HEALTH PERMIT No. W690789

CONSTRUCTION COMPLETED 1-2-70

BACTERIOLOGICAL TEST 1-7-70

PRESSURE TEST None

ASSESSMENT DIST. _____

JOB No.
6" -- 762.638
HYD.- 762.639

CITY OF ANN ARBOR UTILITIES DEPARTMENT

PREPARED UNDER SUPERVISION OF
Wayne Abbott
SUPERINTENDENT OF UTILITIES

HISCOCK ST. - 6" W. MAIN FROM DANIELS ST. EASTERLY 250'

SCALE	1": 40'	DATE	REV.	AUTHORITY NUMBER
DR-BY	E.H.	11-6-69		A-426 W
CH-BY	D.O.	11-7-69		

DANIEL ST

REFERENCE LINE
TWO INCHES
0 1 2

LAST UPDATED: 10/31/00 PJM

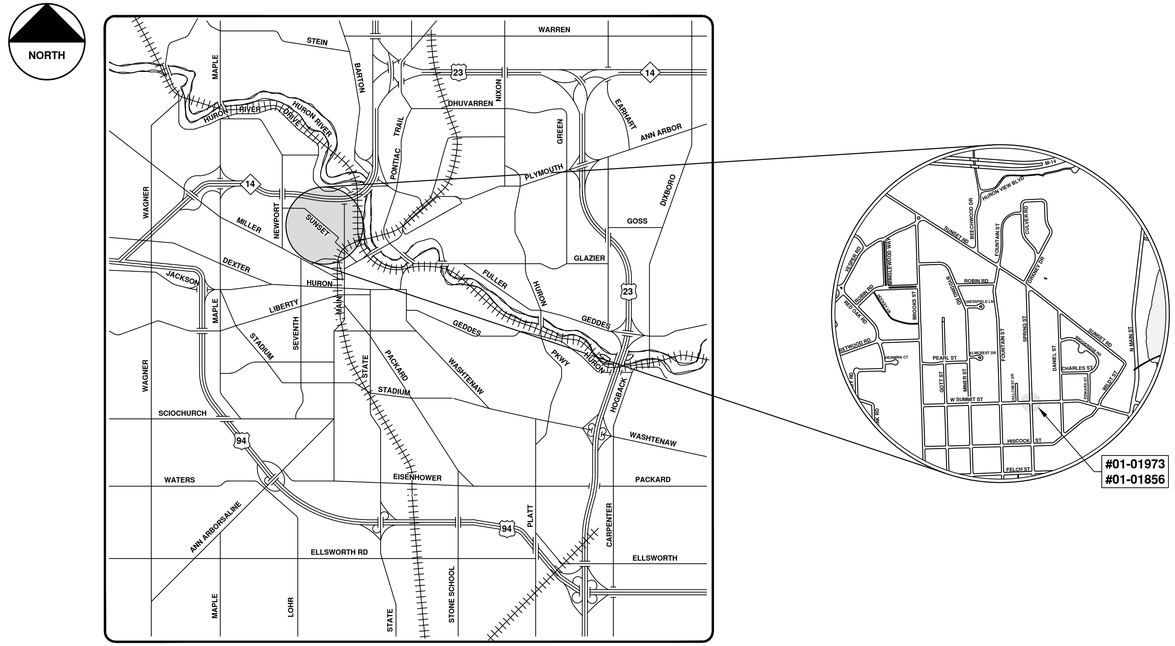
CITY OF ANN ARBOR
SOUTHWEST
QUARTER SECTION 20
ANN ARBOR TOWNSHIP

SCALE 1"=100'	DATE
DR BY	6-14-62
CH BY	4-30-63

2022 VALVE REPLACEMENT PROJECT

SUMMIT STREET

SHEET LIST TABLE	
SHEET NUMBER	SHEET TITLE
108	SUMMIT STREET
109	REPLACE 01-01856
110	REPLACE 01-01973



VICINITY MAP

ENGINEERING
CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET, P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
734-794-6410 www.a2gov.org

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REV.	DESCRIPTION	DATE	BY	DRAWN	BY	CHECKED
00	COPY TO NEXT LINE AND EDIT THE TEXT					

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

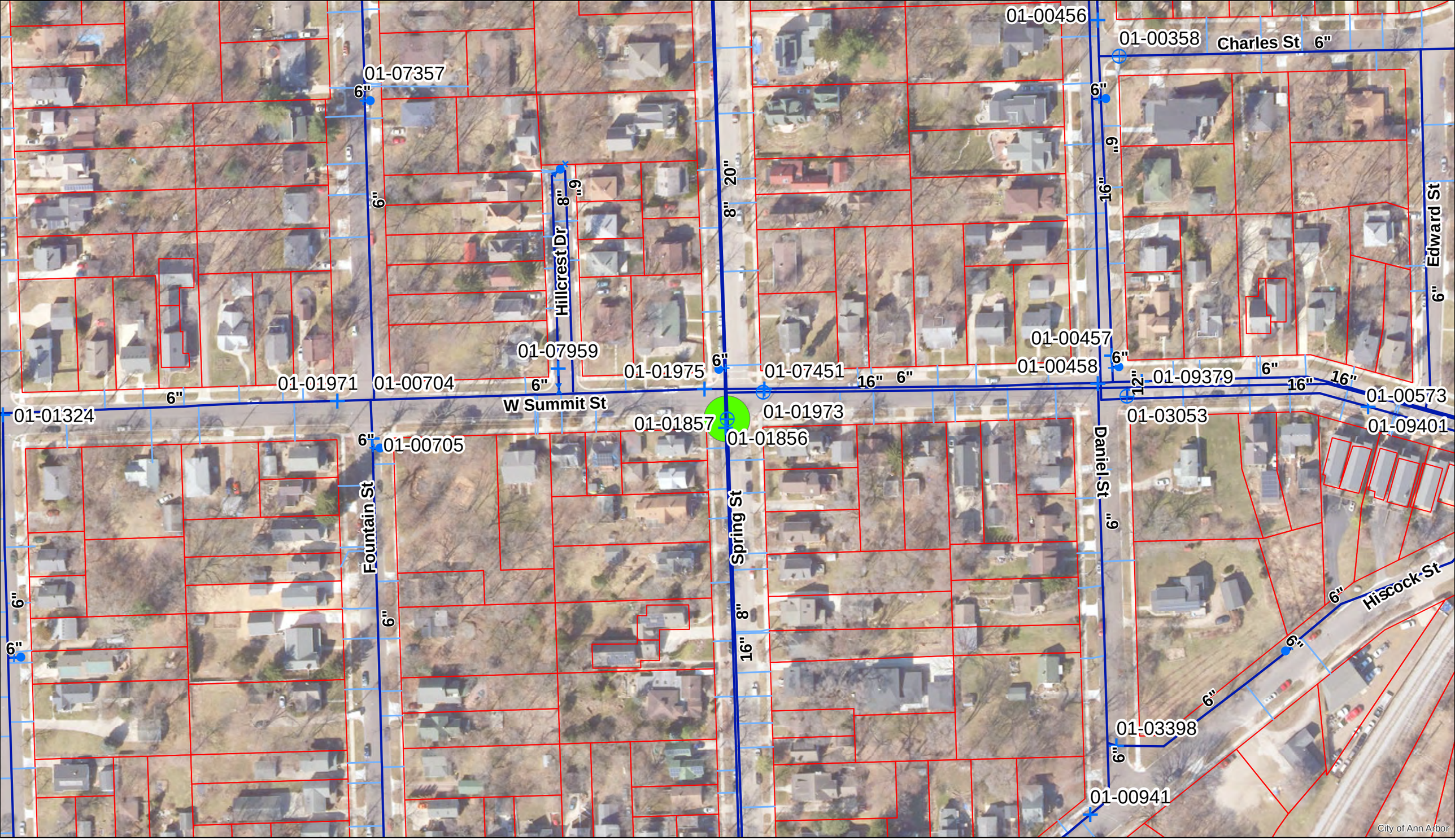
SCALE

DRAWING No. 2022023-108

SHEET No. 108 OF 112

© 2022 VALVE REPLACEMENT PROJECT; BID No. BID NO; 2022023

R:\2022023 Valve Replacement Project\Plan Production\2022023Cov.dwg - _a2 standard bw.stb - Plot Date: 12/6/2021 3:26:17 PM



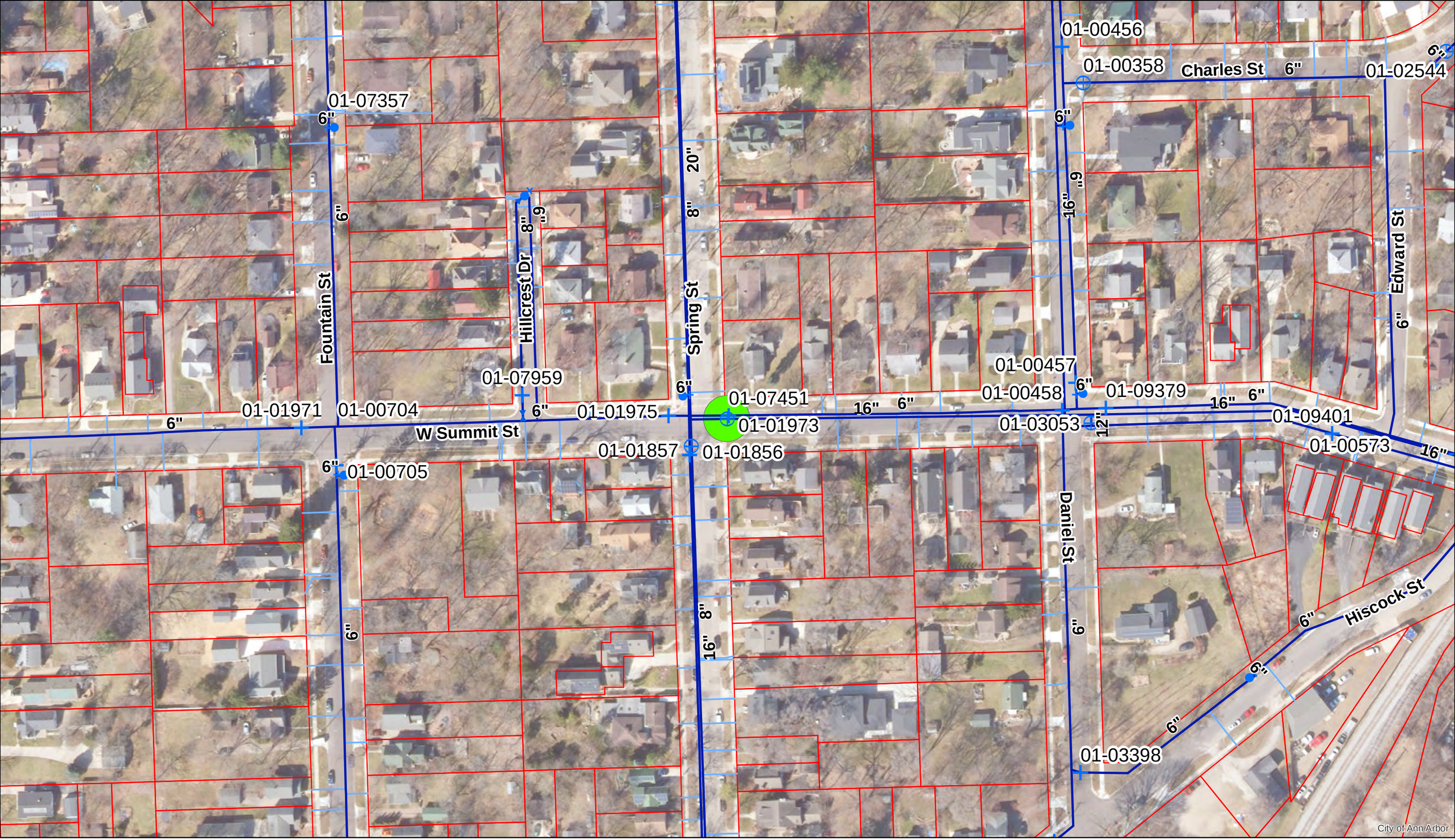
Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

16" GVIW 01-01856

For terms and conditions please visit www.a2gov.org/terms

0 0.0075 0.015 0.03 0.045 0.06 Miles

N



Gate Valve, Box
Gate Valve, Well
Hydrant
Reducer
Watermain
Water Lateral
Area of Interest
Parcel

16" GVIW 01-01973

For terms and conditions please visit www.a2gov.org/terms

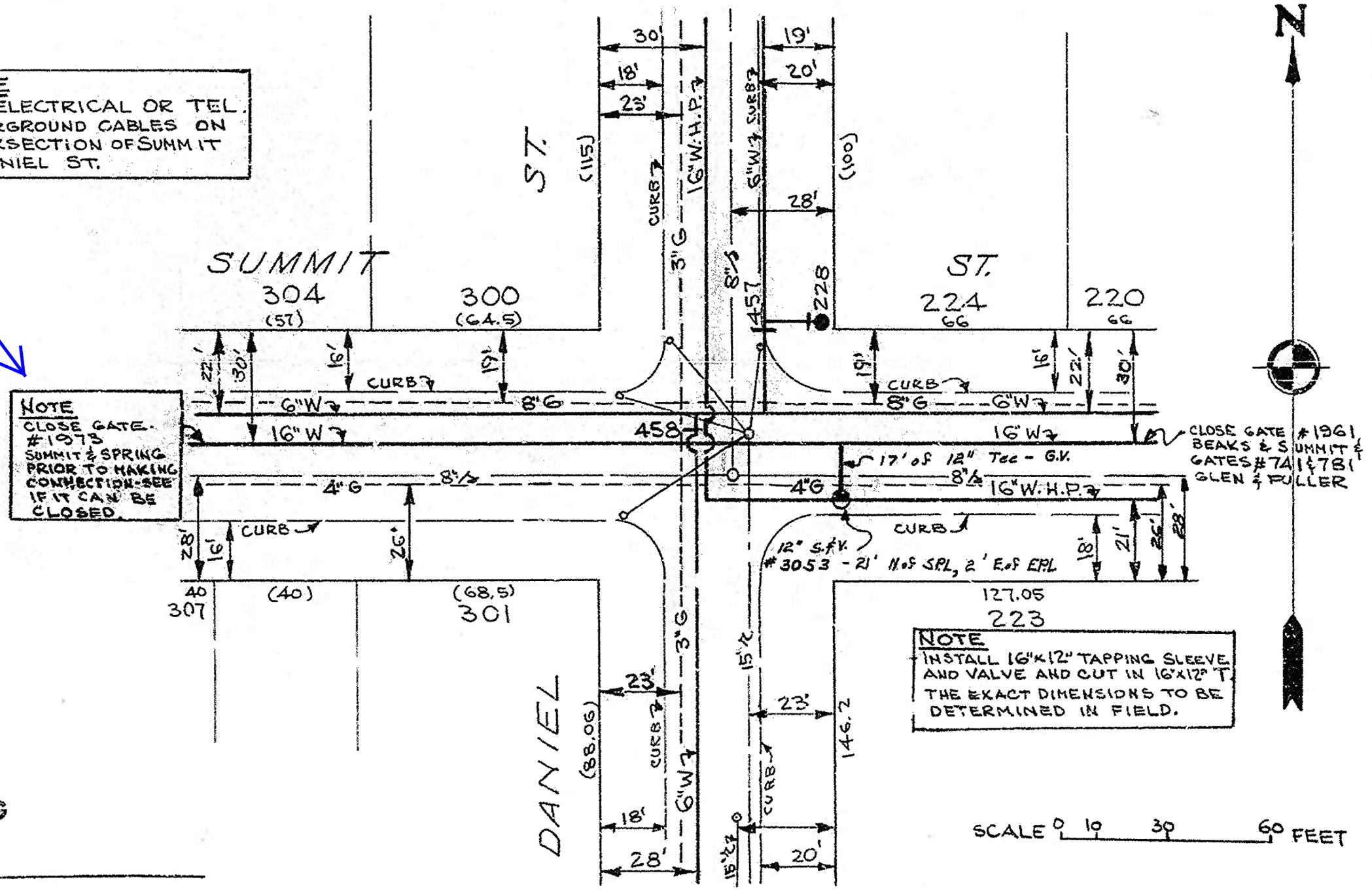
0 0.0075 0.015 0.03 0.045 0.06 Miles

N

#01-01973

NOTE
NO ELECTRICAL OR TEL. UNDERGROUND CABLES ON INTERSECTION OF SUMMIT & DANIEL ST.

NOTE
CLOSE GATE #1973 SUMMIT & SPRING PRIOR TO MAKING CONNECTION-SEE IF IT CAN BE CLOSED.



AS BUILT DRAWING

CORRECTED 4-8-68

MICH. DEPT. OF HEALTH PERMIT No. None

CONSTRUCTION COMPLETED 2-20-68

BACTERIOLOGICAL TEST None

PRESSURE TEST None

NOTE:
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DIGITAL STATUS
SCANNED ON: 7/07
BY: ARG

PREPARED UNDER SUPERVISION OF
WAYNE H. ABBOTT, Jr., P.E.

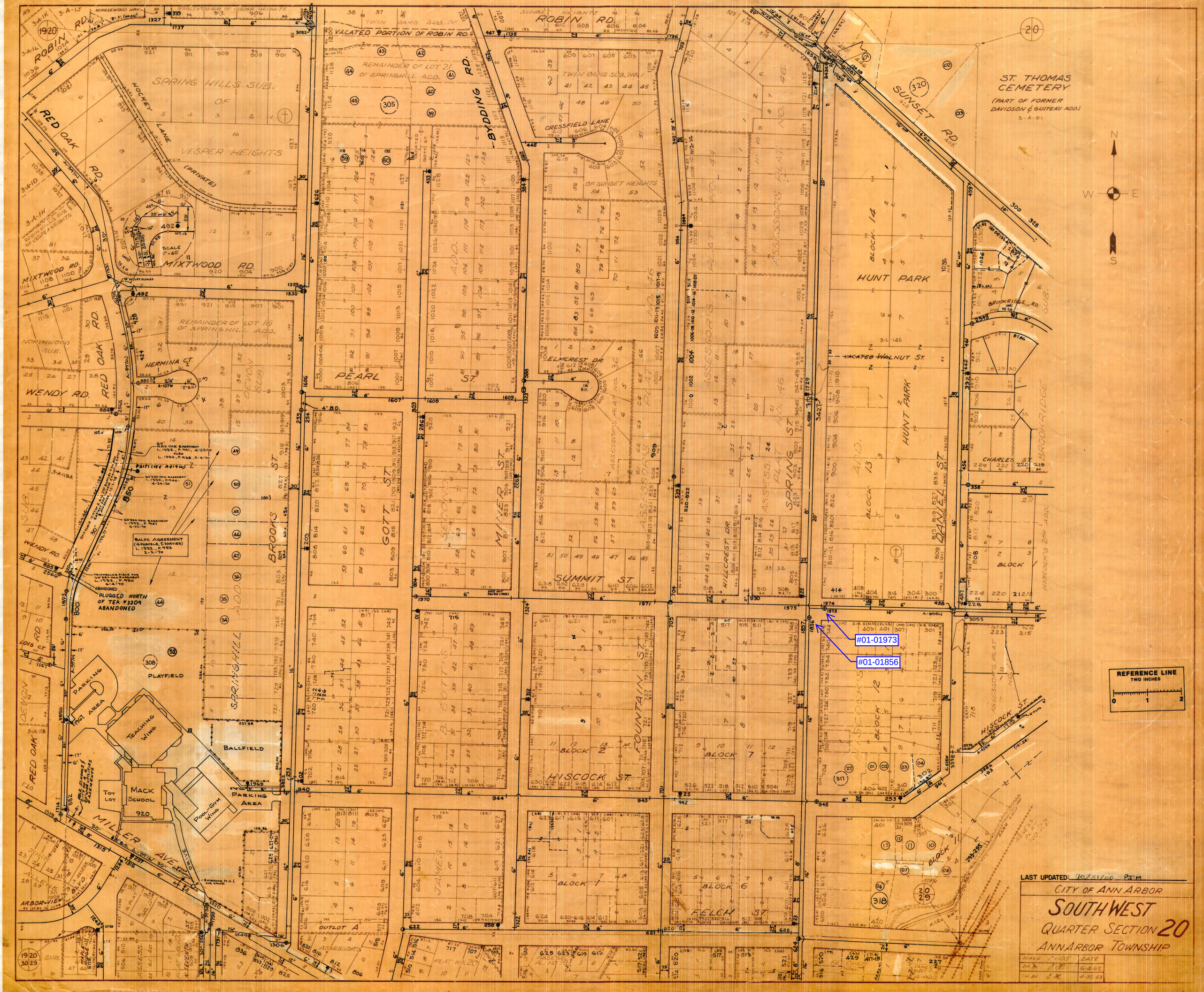
W. Wayne Abbott
SUPERINTENDENT OF UTILITIES

JOB No.
16" - 762.536

CITY OF ANN ARBOR
UTILITIES DEPARTMENT

DETAILED INTERCONNECTIONS OF W. MAINS ON SUMMIT & DANIEL ST'S.

SCALE:	1" = 30'	DATE	REV.	AUTH. NO.
DR-BY:	E.H.	11-3-67		A-354 W1
CH-BY:	GET	12-4-67		



ST. THOMAS CEMETERY
(PART OF FORMER DAVIDSON & GUITEAU ADD.)
3-A-51
ROBIN RD.
VACATED PORTION OF ROBIN RD.
SPRING HILLS SUB. OF VESPER HEIGHTS
HOCKEY LANE (PRIVATE)
RED OAK RD.
MIXTWOOD RD.
REMAINDER OF LOT 21 OF SPRINGHILL ADD.
TWIN OAKS SUB. NO. 1
CRESSFIELD LANE
BYDDING RD.
SUNSET RD.
OF SUNSET HEIGHTS
REMAINDER OF LOT 16 OF SPRINGHILL ADD.
HERMINA CT.
WENDY RD.
PEARL ST.
ELMCREST DR.
HUNT PARK
VACATED WALNUT ST.
BROOKRIDGE RD.
CHARLES ST.
BROOKS ST.
GOTT ST.
SUMMIT ST.
HILLCREST DR.
SPRING ST.
DANIEL ST.
BLOCK 14
BLOCK 13
BLOCK 12
BLOCK 11
BLOCK 7
BLOCK 2
BLOCK 1
BLOCK 6
FOUNTAIN ST.
HISCOCK ST.
FELCH ST.
JAMES ST.
OUTLOT A
PLAYFIELD
PARKING AREA
TEACHING WING
BALLFIELD
MACK SCHOOL
TOT LOT
POOL-GYM WING
MILLER AVE.
ARBOR-VIEW BLVD.
SALES AGREEMENT (4 PARCELS, 5 PARTIES) L.1332, P.953 2-2-70
PLUGGED NORTH OF TEA #3209 ABANDONED
#01-01973
#01-01856
REFERENCE LINE
TWO INCHES
0 1 2
N
S
E
W
LAST UPDATED: 10/31/00 PJM
CITY OF ANN ARBOR
SOUTHWEST
QUARTER SECTION 20
ANN ARBOR TOWNSHIP
SCALE 1"=100'
DATE
DR. BY E.H.
6-4-62
CH. BY E.H.
4-30-63