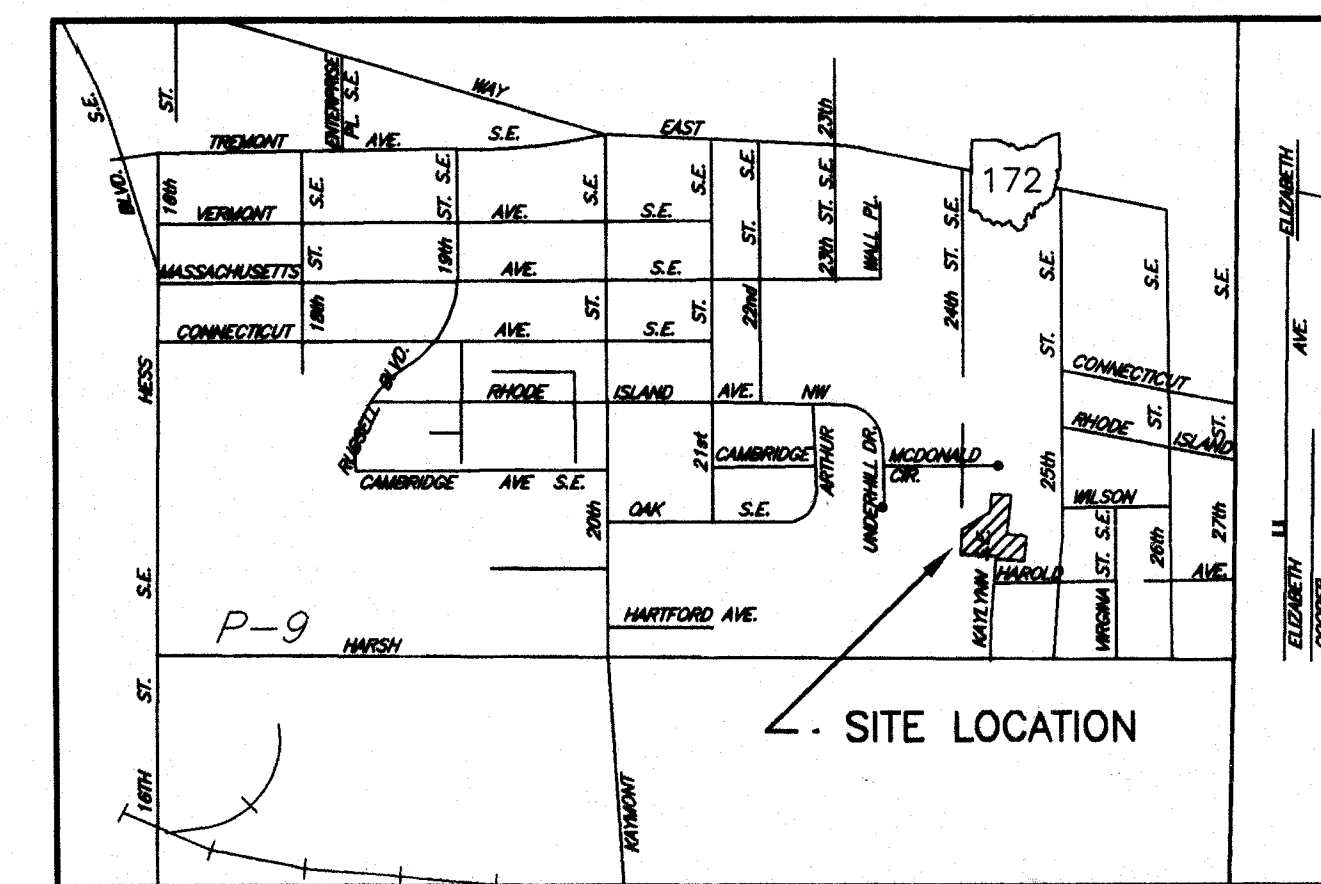


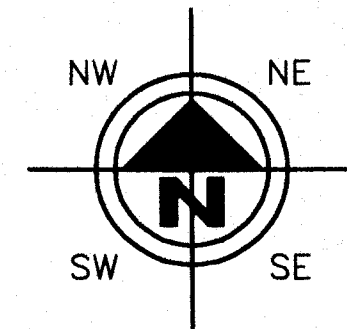
INDEX OF SHEETS:

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(Plan & Profile) 4
(Details) 5

KAYLYNN ESTATES CITY OF MASSILLON STARK COUNTY, OHIO PART OF OUT LOT 324 5 LOTS



VICINITY MAP
Not to Scale



DRAWN BY: FPW
CHECKED BY: JJB
DATE: Jan. 2001
DATE: Jan. 2001

Kaylynn Estates
Title Sheet
City of Massillon
Stark County, Ohio

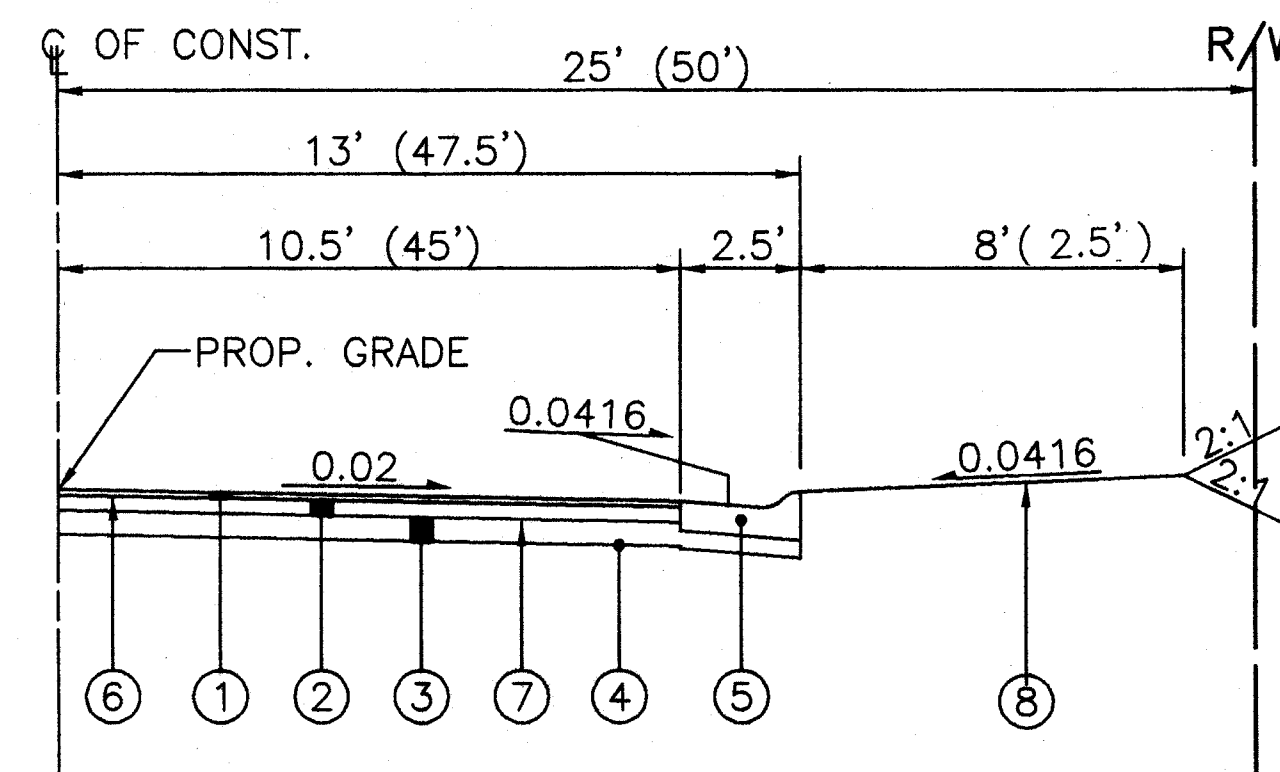
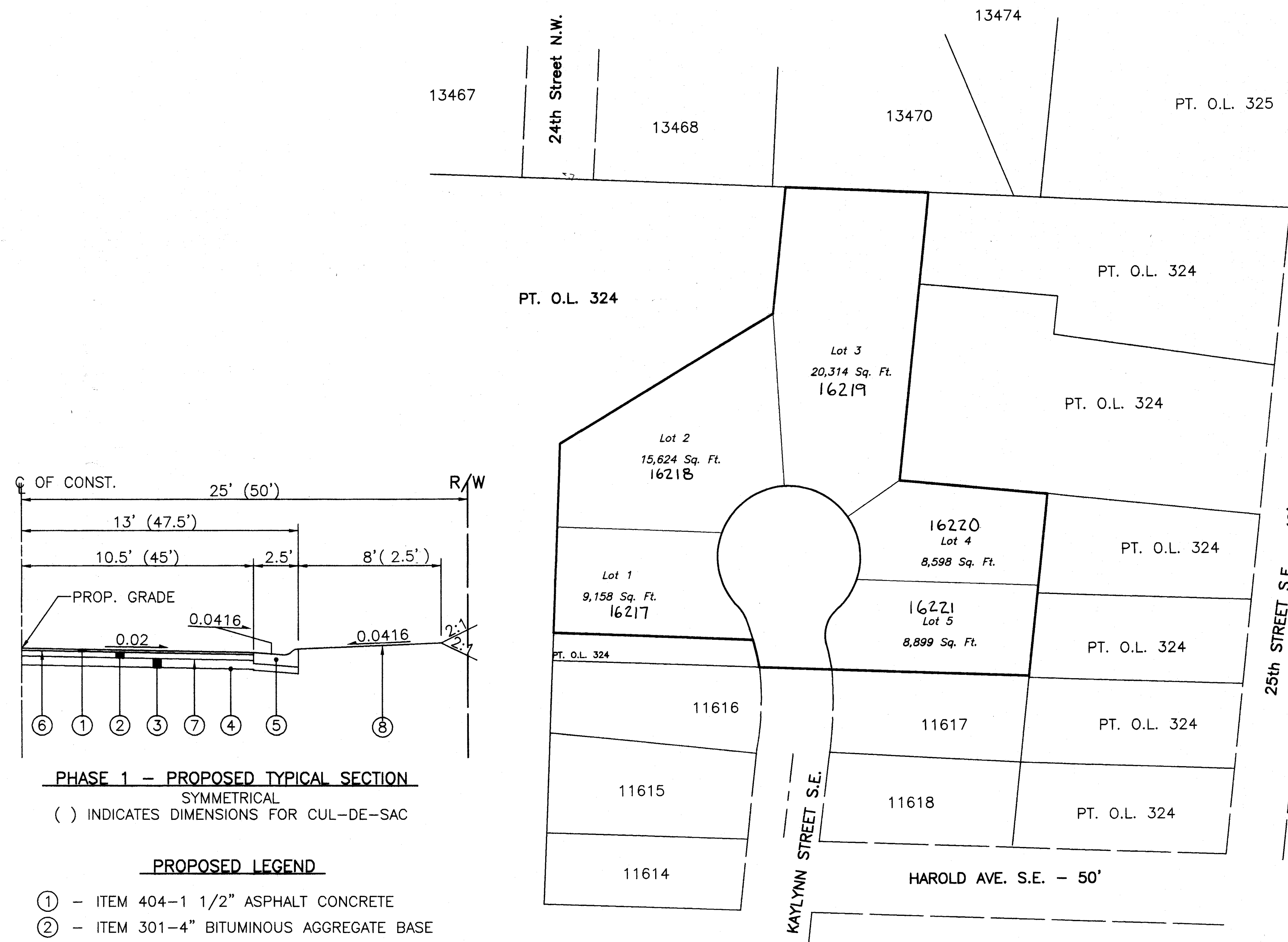
Developer:
Flek G. and Kathy A. Stoehr
1212 Brook Ave. N.W.
Massillon, Oh. 44846
Phone: (330) 837-3641

James J. Benekos
P.E., P.S.

REVISIONS:	
DATE	DESCRIPTION

1 / 5

015002



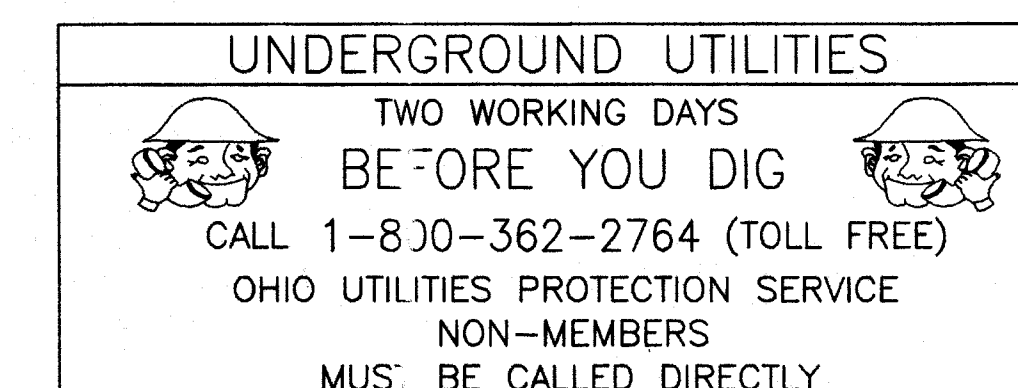
PHASE 1 - PROPOSED TYPICAL SECTION
SYMMETRICAL
() INDICATES DIMENSIONS FOR CUL-DE-SAC

PROPOSED LEGEND

- ① - ITEM 404-1 1/2" ASPHALT CONCRETE
- ② - ITEM 301-4" BITUMINOUS AGGREGATE BASE
- ③ - ITEM 304-6" AGGREGATE BASE
- ④ - ITEM 203.13-COMPACTED SUBGRADE
- ⑤ - ITEM 609-O.D.O.T. TYPE 3 CURB(BP-5.1)
- ⑥ - ITEM 407-TACK COAT
- ⑦ - ITEM 408-PRIME COAT
- ⑧ - ITEM 659-SEEDING AND MULCHING

CONVENTIONAL SIGNS

RIGHT OF WAY EXISTING: ———, PROPOSED: ———
COUNTY LINE
TOWNSHIP LINE
CORPORATION LINE
FENCE LINE EXISTING: —X—X—, PROPOSED: —X—X—
GUARDRAIL EXISTING: —O—O—, PROPOSED: —O—O—
MANHOLES EXISTING: ○, PROPOSED: ●, ADJUSTED: ●
CATCH BASINS EXISTING: □, PROPOSED: ■, ADJUSTED: ■
SIGNS 1-POST: T, 2-POST: T, 3-POST: T
EXISTING POLES POWER: P, TELEPHONE: T, LIGHT: L, SPAN: S
PROPOSED POLES POWER: P, TELEPHONE: T, LIGHT: L, SPAN: S
EXIST. UTILITIES VALVE: V, HYDRANT: H, METERS: M, GUY: G



APPROVALS

Donald Snyder 5/4/01
Consumers Ohio Water Donald Snyder DATE
Steven D. Hamit, P.E. 5/18/01
City Engineer Steven D. Hamit, P.E. DATE

SANITARY / STORM WORK

SANITARY / STORM WORK

THE FOLLOWING CONDUIT SHALL BE USED FOR SANITARY SEWER: ASTM D-3034 SDR35 AND INSTALLED PER ASTM D-2321 WITH JOINTS AS PER ASTM D-3212

THE FOLLOWING CONDUIT TYPES MAY BE USED FOR STORM SEWER WITH MORE THAN (1) ONE FOOT OF COVER: 707.42, 706.08, 706.02, WITH JOINTS AS PER 706.10 OR 706.11.

THE FOLLOWING CONDUIT TYPES MAY BE USED FOR STORM SEWER WITH LESS THAN (1) ONE FOOT OF COVER: 706.02 WITH JOINTS AS PER 706.10 OR 706.11

CONNECTION TO EXISTING SEWERS

CONSTRUCTION OF THE NEW SEWER SHALL BE SCHEDULED AND PERFORMED SUCH THAT ALL NEW SEWER IS IN PLACE TESTED AND FOUND READY FOR ACCEPTANCE BEFORE THE ACTUAL CUTTING AND TYING INTO THE EXISTING SEWER IS PERFORMED.

INTERNAL TELEVISION INSPECTION

ALL SANITARY SEWERS 8" DIAMETER AND LARGER, MUST PASS INTERNAL TELEVISION INSPECTION. THE CONTRACTOR SHALL PROVIDE COMPLETE, INTERNAL INSPECTION VIDEOTAPE TO THE CITY OF MASSILLON ENGINEERING DEPARTMENT. THE VIDEOTAPING PROCEDURE MUST BE IN ACCORDANCE WITH SPECIFICATION SECTION 40.

SANITARY AND STORM LATERAL

ALL NEW LATERAL LOCATIONS TO BE FIELD CHECKED AND LOCATED BY THE CONTRACTOR PRIOR TO BACK FILLING.

LATERALS SHALL BE 6" CONDUIT TYPE B.

THE MINIMUM COVER OVER ALL LATERALS SANITARY OR STORM SHALL BE 4 FEET. LATERAL PRICE SHALL INCLUDE ALL APPURTENANCES NECESSARY

ALL ROOF DRAINS, OR YARD DRAINS, SHALL BE CONNECTED TO THE 6" STORM SEWER LATERAL. IT IS PROHIBITED TO CONNECT ANY CLEAN WATER CONDUIT TO THE SANITARY SEWER (i.e. ROOF DRAINS, FOUNDATION DRAINS, ETC..).

THE ABOVE WORK SHALL BE PAID FOR UNDER ITEM 603 6" CONDUIT TYPE B 707.42.

PAYMENT FOR ALL OF THE ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 603 ITEM.

REVIEW OF SANITARY AND DRAINAGE FACILITIES

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE CITY OF MASSILLON AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE CITY OF MASSILLON.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE CITY OF MASSILLON.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 603 CONDUIT ITEMS.

RESIDENTIAL AND COMMERCIAL DRAINAGE CONNECTIONS

EACH LOT SHALL BE SUPPLIED WITH A SINGLE 6" STORM LATERAL THAT WILL BE INSTALLED FROM THE MAIN TO THE PROPERTY LINE. SAID STORM LATERAL SHALL SE CONNECTED TO FOUNDATION DRAINS, SUMP DRAIN AND WHEN POSSIBLE AS PER ENGINEER'S DIRECTION THE DOWN SPOUT WILL BE CONNECTED.

THE FOLLOWING WORK SHALL BE PAID FOR UNDER ITEM 603 6" STORM LATERAL.

DOWN SPOUTS

ALL DOWN SPOUTS UNABLE TO BE CONNECTED TO THE STORM LATERAL SHALL BE PUT THROUGH THE CURB AS PER ENGINEERS DIRECTION.

CURB OPENING SHALL NOT GREATER THAN A 3 1/2" DIAMETER.

THE WORK ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 609.

ITEM 604. CATCH BASIN NO. 3. 3A

CATCH BASINS SHALL BE CONSTRUCTED IN CONFORMANCE WITH ITEM 604 EXCEPT THAT THE GRATES SHALL BE NEENAH NO. R-4859-C OR EAST JORDAN NO. 6730-2 OR APPROVED EQUALS.

AIR TESTING OF GRAVITY SANITARY SEWER

ALL NEW SANITARY SEWERS MUST PASS AN AIR TEST. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND COMPLETE THE AIR TEST TO THE SATISFACTION OF THE CITY OF MASSILLON. THE TESTING PROCEDURE MUST BE IN ACCORDANCE WITH SPECIFICATION SECTION APPENDIX 'B' AND GLUMRB SECTION 33.95.

DEFLECTION TESTING OF GRAVITY SANITARY SEWER

ALL NEW SANITARY SEWERS MUST PASS A DEFLECTION TEST. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND COMPLETE THE DEFLECTION TEST TO THE SATISFACTION OF THE CITY OF MASSILLON. THE TESTING PROCEDURE MUST BE IN ACCORDANCE WITH SPECIFICATION SECTION APPENDIX 'C' AND GLUMRB SECTION 33.85.

ITEM 604 MANHOLE

MANHOLE CONSTRUCTION SHALL MEET ODOT SPEC. 604 (ASTM C-478) WITH CASTINGS APPROVED BY THE CITY OF MASSILLON. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT AND COMPLETE AN AIR/VACUUM TEST IN ACCORDANCE WITH ASTM C-1244 TO THE SATISFACTION OF THE CITY OF MASSILLON.

ROAD WORK

ITEM 609. CAST IN PLACE CONCRETE CURB AND GUTTER TYPE 3

ALL COMBINATION CONCRETE CURB AND GUTTER SHALL MEET CITY OF MASSILLON SPECIFICATIONS.

EXCAVATION FOR THE COMBINATION CURB AND GUTTER SHALL BE INCLUDED IN THE LINEAR FOOTAGE COST FOR SAID CURB AND GUTTER ALONG WITH ALL GRANULAR BEDDING, BACK FILLING AND CONCRETE CURB PLACEMENT ALONG WITH ALL APPURTENANCES ARE TO BE INCLUDED IN ITEM 609.

IF THE CONTRACTOR EXCAVATES DEEPER THAN NECESSARY THEN THE CONTRACTOR SHALL PLACE AT HIS EXPENSE CRUSHED BANK RUN AND TAMP TO THE SATISFACTION OF THE CITY'S INSPECTOR PRIOR TO THE CONSTRUCTION OF THE CURB AND GUTTER.

THE CURB SHALL BE BACK FILLED IMMEDIATELY AFTER THE CURB HAS BEEN IN PLACE FOR 48 HOURS

UNSUITABLE SOIL

IF SUB GRADE IS UNSUITABLE, THE CONTRACTOR SHALL BE EXCAVATED AND REPLACE SUCH MATERIAL WITH CRUSHED BANK RUN OR OTHER APPROVED MATERIAL UNDER THE DIRECTION OF THE CITY'S INSPECTOR.

SAID APPROVED FILL SHALL BE PLACED IN 6" LIFTS AND COMPACTED TO 95% MAXIMUM LABORATORY DRY WEIGHT BEFORE ANY ADDITIONAL LAYERS SHALL BE PLACED. THE CONTRACTOR SHALL BE PAID FOR SAID ADDITIONAL BACK FILL AND EXCAVATION.

THE ABOVE WORK SHALL BE COMPLETED TO THE SATISFACTION OF THE CITY'S INSPECTOR PRIOR TO THE CONSTRUCTION OF THE CURB AND GUTTER.

MONUMENTS

MONUMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DETAIL AS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON THE PLAT.

ITEM 407. TACK COAT

THE RATE OF APPLICATION OF THE 407 TACK COAT SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.08 GALLONS PER SQUARE YARD OF TACK COAT FOR ESTIMATING PURPOSES ONLY.

ITEM 408. BITUMINOUS PRIME COAT

THE RATE OF APPLICATION OF THE 408 PRIME COAT SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.40 GALLONS PER SQUARE YARD OF PRIME COAT FOR ESTIMATING PURPOSES ONLY.

WATER LINE

WATER LINES

ALL WATER LINES AND APPURTENANCES SHALL BE CONSTRUCTED ACCORDING TO CONSUMERS OHIO WATER COMPANY SPECIFICATIONS AND DETAILS IN EFFECT AT THE TIME OF CONSTRUCTION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSTRUCTION OF ALL WATER MAINS AND THE SERVICE CONNECTIONS FROM ALL 2" WATER MAINS. CONSUMER OHIO WATER COMPANY WILL BE RESPONSIBLE FOR CONSTRUCTION OF ALL WATER SERVICE CONNECTIONS FROM 8" WATER MAINS.

WATER MAIN MATERIALS SHALL CONFORM TO AWWA C151 FOR DUCTILE CAST IRON PIPE.

WATER MAIN SHALL BE INSTALLED AND PRESSURE TESTED IN ACCORDANCE WITH AWWA C600.

WATER MAIN SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C651.

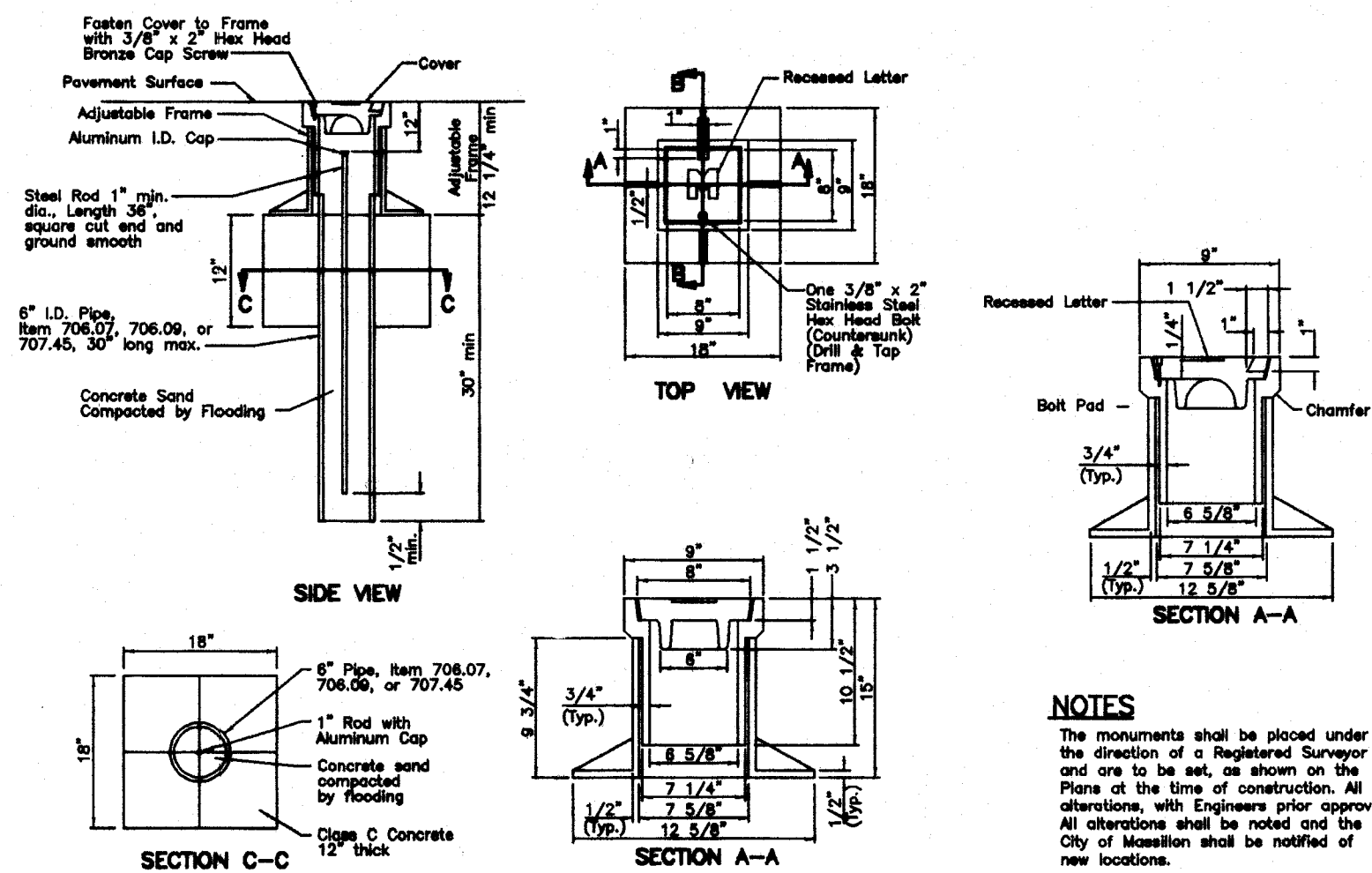
A MINIMUM OF 35 PSI SHALL BE MAINTAINED TO THE CURB STOP DURING NORMAL OPERATION CONDITIONS.

BOOSTER PUMPS ARE NOT PERMITTED ON SERVICE CONNECTIONS. THE CITY OF MASSILLON MAY GRANT SPECIAL PERMISSION FOR BUILDINGS SIX STORIES AND HIGHER.

WATER LINE CLEARANCE

THE CONTRACTOR MUST CONSTRUCT ALL WATER LINES AND WATER SERVICE LINES SUCH THAT A MINIMUM OF 18" VERTICAL SEPARATION BETWEEN SAID WATER LINES AND THE SANITARY SEWER. THE HORIZONTAL CLEARANCE SHALL BE A MINIMUM OF 10'.

THE TOTAL VERTICAL CLEARANCE BETWEEN THE STORM SEWER AND SAID WATER LINES SHALL BE NO LESS THAN 12".

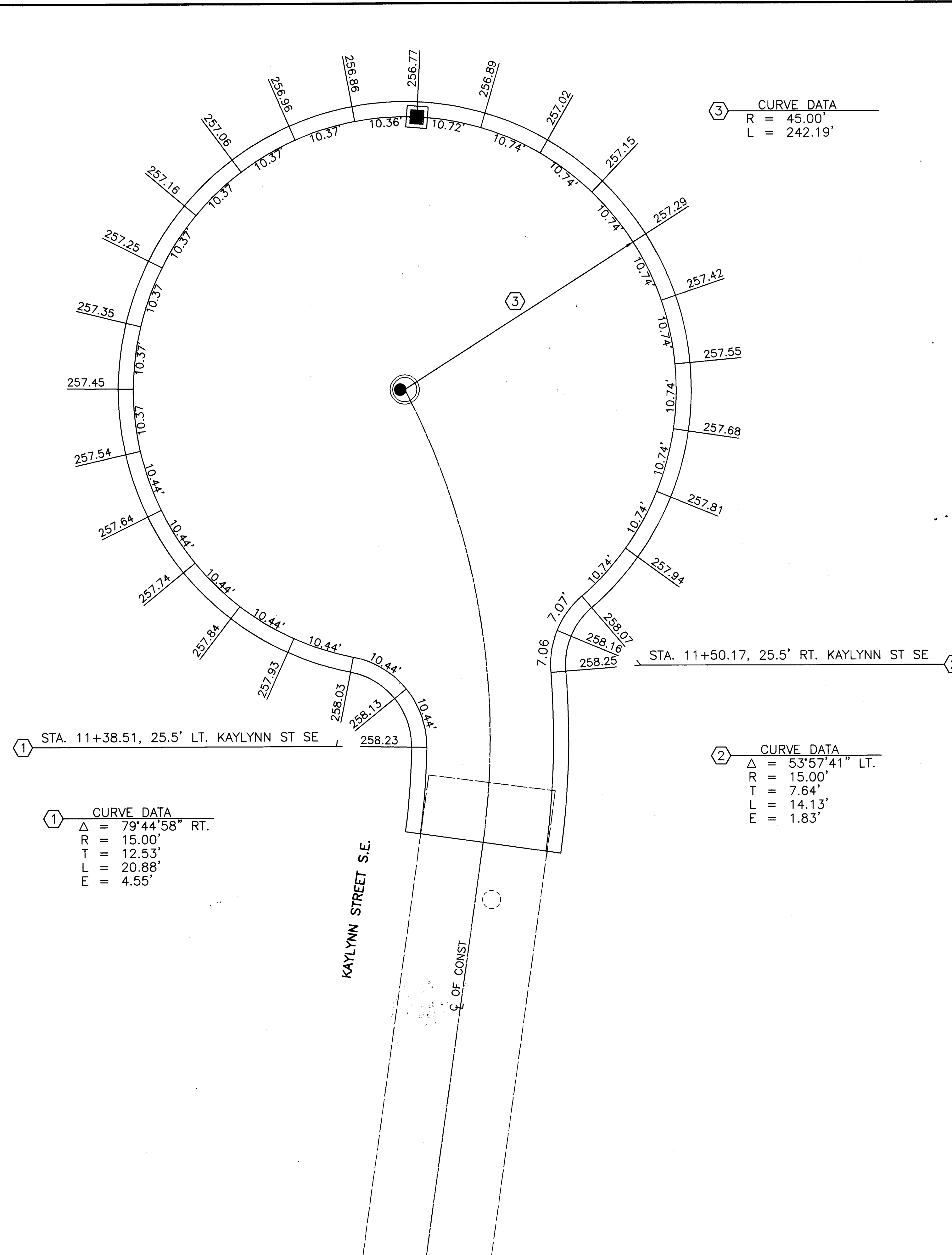
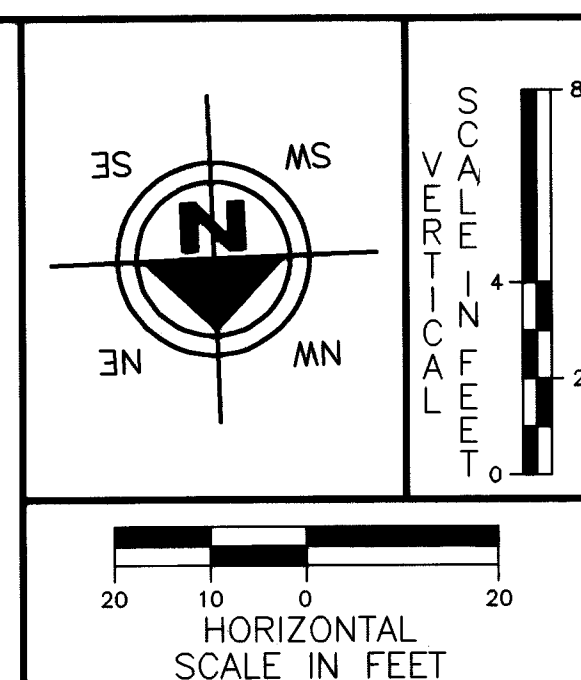
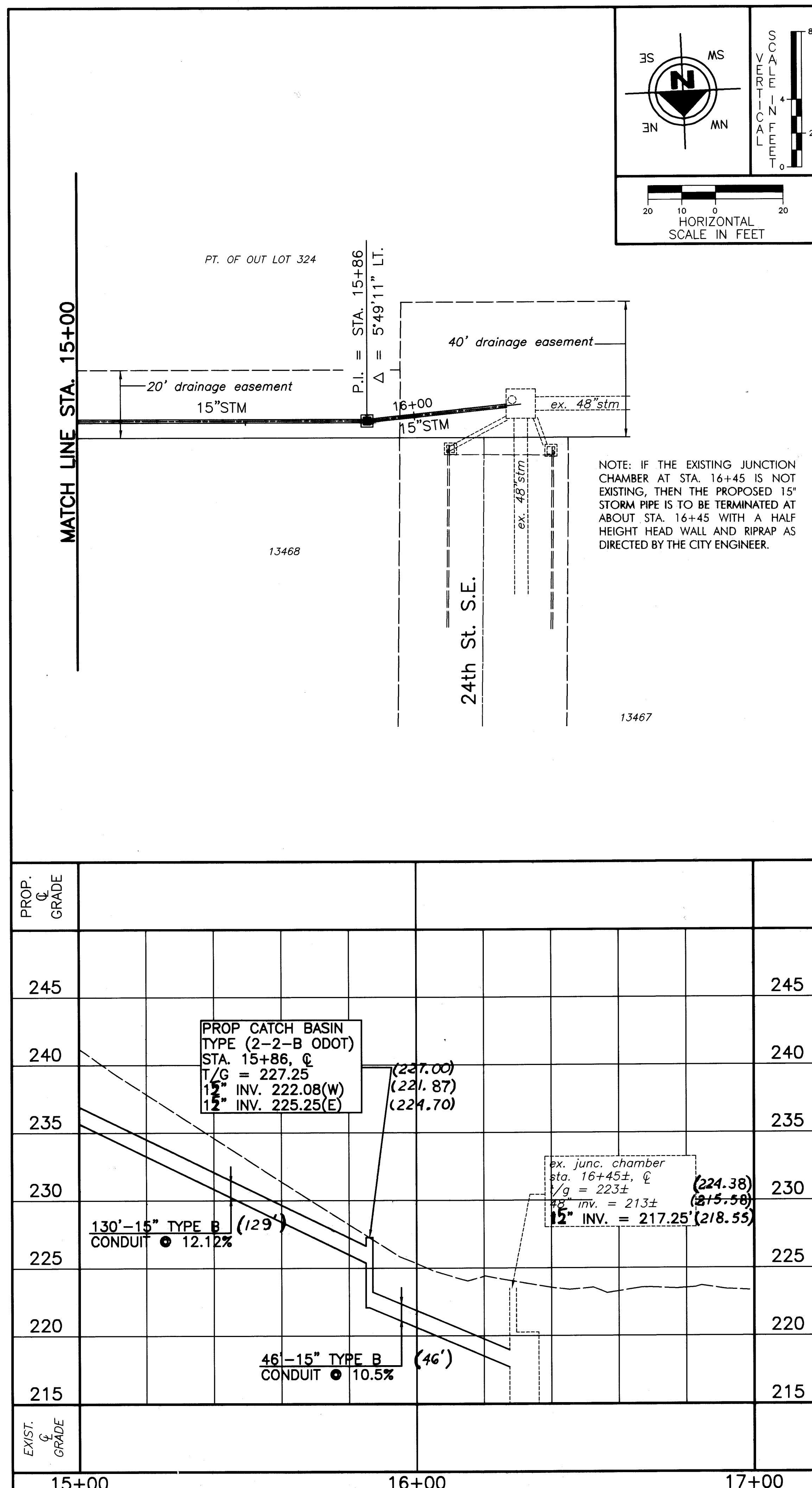


NOTES
The monuments shall be placed under the direction of a Registered Surveyor and one to be set, as shown on the Plans at the time of construction. All alterations, with Engineers prior approval. All alterations shall be noted and the City of Massillon shall be notified of new locations.

Kaylynn Estates
General Notes
City of Massillon
Stark County, Ohio

James J. Benekos
P.E. , P.S.

REVISIONS:	
DATE	DESCRIPTION



Horizontal Scale in Feet

0 10 20

REVISIONS:

DATE	DESCRIPTION
12-30-02	AS BUILT

Kaylynn Estates

Kaylynn Plan and Profile (Sta. 15+00 to Sta. 17+00) / Intersection Detail

City of Massillon
Stark County, Ohio

James J. Benekos
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