

- TYPICAL SIDEWALK SECTION**  
NOT TO SCALE
- 1 ITEM 452 - 4" REINFORCED PORTLAND CEMENT CONCRETE
  - 2 ITEM 304 - 4" AGGREGATE BASE
  - 3 ITEM 705 - PREFORMED JOINT MATERIAL
  - 4 PROPOSED PAVEMENT
  - 5 PROPOSED CONC. CURB (SEE DETAIL ABOVE)

- LIGHT DUTY PAVEMENT SECTION**  
NOT TO SCALE
- 1 ITEM 404 - 1" ASPHALT CONCRETE SURFACE COURSE
  - 2 ITEM 301 - 3" BITUMINOUS AGGREGATE BASE
  - 3 ITEM 304 - 6" AGGREGATE BASE (2) 3" COURSES
  - 4 ITEM 408 - BITUMINOUS PRIME COAT
  - 5 ITEM 203 - COMPACTED SUBGRADE

- HEAVY DUTY PAVEMENT SECTION**  
NOT TO SCALE
- 1 ITEM 404 - 1" ASPHALT CONCRETE SURFACE COURSE
  - 2 ITEM 301 - 4" BITUMINOUS AGGREGATE BASE
  - 3 ITEM 304 - 6" AGGREGATE BASE
  - 4 ITEM 408 - BITUMINOUS PRIME COAT
  - 5 ITEM 203 - COMPACTED SUBGRADE

**PAVING AND GRADING NOTES:**

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THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION.

SHOULD THE CONTRACTOR ENCOUNTER CONFLICT BETWEEN THESE PLANS AND SPECIFICATIONS, EITHER AMONG THEMSELVES OR WITH THE REQUIREMENTS OF ANY AND ALL REVIEWING AND PERMIT-ISSUING AGENCIES, HE SHALL SEEK CLARIFICATION, IN WRITING, FROM THE OWNER'S REPRESENTATIVE BEFORE COMMENCEMENT OF CONSTRUCTION.

IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONSTRUCT ALL ITEMS ON THESE PLANS USING CONSTRUCTION MEANS AND METHODS THAT WILL PROTECT PROPERTY AND PREVENT BODILY INJURY AND/OR DEATH. THE CONTRACTOR SHALL TAKE ANY NECESSARY SAFETY PRECAUTIONS TO COMPLY WITH THE SAFETY REQUIREMENTS OF THE CITY, STATE AND FEDERAL GOVERNMENTS.

CONSTRUCTION SHALL BE PERFORMED, AND EQUIPMENT STORED, IN A MANNER WHICH PERMITS EXISTING FACILITIES TO PERFORM WITHOUT INTERRUPTION.

EXCESS EARTHWORK MATERIALS MAY BE DISTRIBUTED ON THE SITE IN ACCORDANCE WITH THE OWNERS DIRECTION.

ALL DISTURBED YARD AREAS AND REMOVED DRIVE ENTRANCES ONTO WALES AVENUE SHALL BE FINE GRADED, SEEDED, FERTILIZED AND MULCHED IN ACCORDANCE WITH ODOT 659.

NO SOIL BORINGS WERE ACQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL PERFORM HIS OWN SOILS INVESTIGATION IN ACCORDANCE WITH THE OWNERS SPECIFICATIONS.

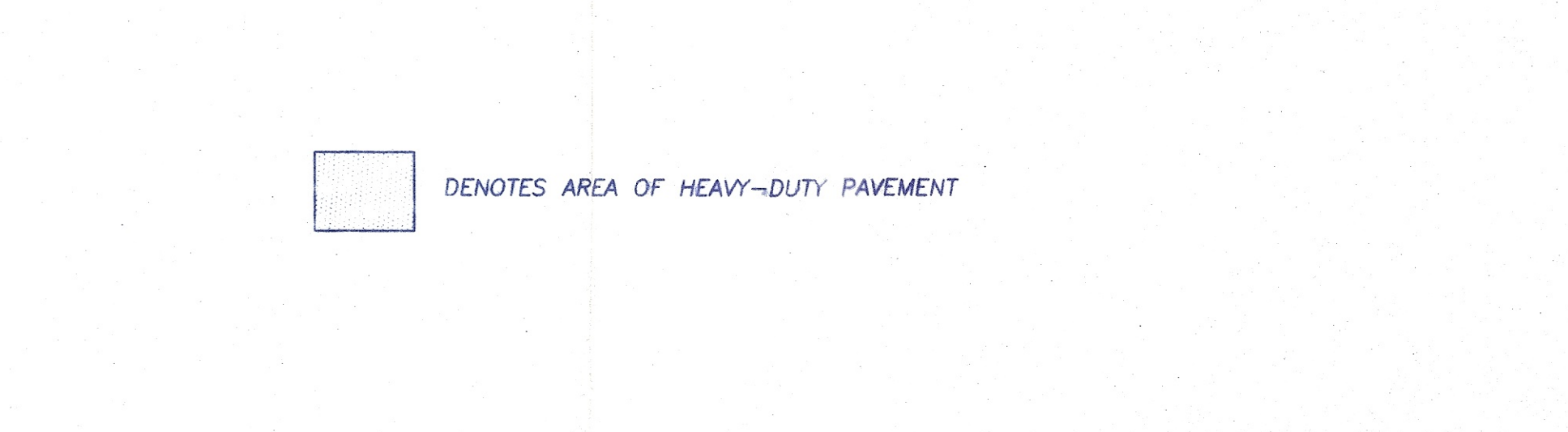
EMBANKMENT CONSTRUCTION AND SUBGRADE COMPACTION SHALL BE IN GENERAL CONFORMANCE WITH ODOT SPECIFICATIONS AND MORE SPECIFICALLY AS FOLLOWS:

- A) 100% STANDARD PROCTOR WITHIN BUILDING LIMITS (TO 5' OUTSIDE THE BUILDING LINE) AND UNDER PAVEMENT.
- B) 95% STANDARD PROCTOR IN UTILITY TRENCHES
- C) 90% STANDARD PROCTOR IN YARD AREAS

CONTRACTOR SHALL ADJUST FOR EXISTING UTILITIES AS NECESSARY.

**ESTIMATE OF EARTHWORK QUANTITIES:**  
THIS ESTIMATE COMPARES EXISTING GROUND TO PROPOSED GROUND AND INCLUDES A 10% COMPACTION FACTOR APPLIED TO ALL AREAS OF EMBANKMENT.  
CUT = 12,530 C.Y. ±  
FILL = 1070 C.Y. ±  
EXCESS MATERIAL = 11,460 C.Y. ±  
EXCESS EARTHWORK MATERIAL SHALL BE DISTRIBUTED ON-SITE IN ACCORDANCE WITH THE OWNER'S DIRECTION.

GRADES ALONG AND ADJACENT TO THE PROPOSED BUILDING SHALL BE NO LOWER THAN 6" BELOW FINISH FLOOR.



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

**BENCHMARK No. 2**  
TOP OPERATING NUT OF HYDRANT EAST SIDE OF WALES AVE. N.E. IN FRONT OF FRIENDLY'S RESTAURANT  
ELEVATION = 240.95

**UTILITY LOCATION NOTE**  
LOCATION OF ALL UNDERGROUND UTILITIES SHOWN HEREON ARE APPROXIMATE AND ARE BASED ON FIELD LOCATIONS OF ALL VISIBLE STRUCTURES SUCH AS CATCH BASINS, MANHOLES, WATER AND GAS LINES, ETC. TOGETHER WITH INFORMATIONAL DATA OBTAINED FROM PLANS AND RECORDS SUPPLIED BY VARIOUS UTILITY COMPANIES AND GOVERNMENT AGENCIES. ALL CONTRACTORS SHOULD NOTIFY IN WRITING ALL UTILITY COMPANIES AND GOVERNMENT AGENCIES PRIOR TO ANY EXCAVATION WORK OR CALL O.U.P.S. AT 1-800-362-2764.

DATE: AUGUST 28, 1988  
FIELD BOOK NO. D.C.  
SHEET 2 OF 3

BRYAN J. ASHMAN  
JEROLD E. GEB

COOPER & ASSOCIATES, LLP  
ENGINEERS AND SURVEYORS

1359 MARKET AVENUE, NORTH CANTON, OHIO 44714  
PHONE (330) 452-5731  
FAX (330) 452-9110

GRADING AND PAVING PLAN  
AULTMAN WEST EXPANSION

WEST STARK OVERALL COMMERCIAL PROJECT  
LOCATED IN PT. OF THE CITY OF MASSILLON AND PT. OF THE S.E. QTR. SEC. 32, T-11(JACKSON), R-9, STARK COUNTY, OHIO

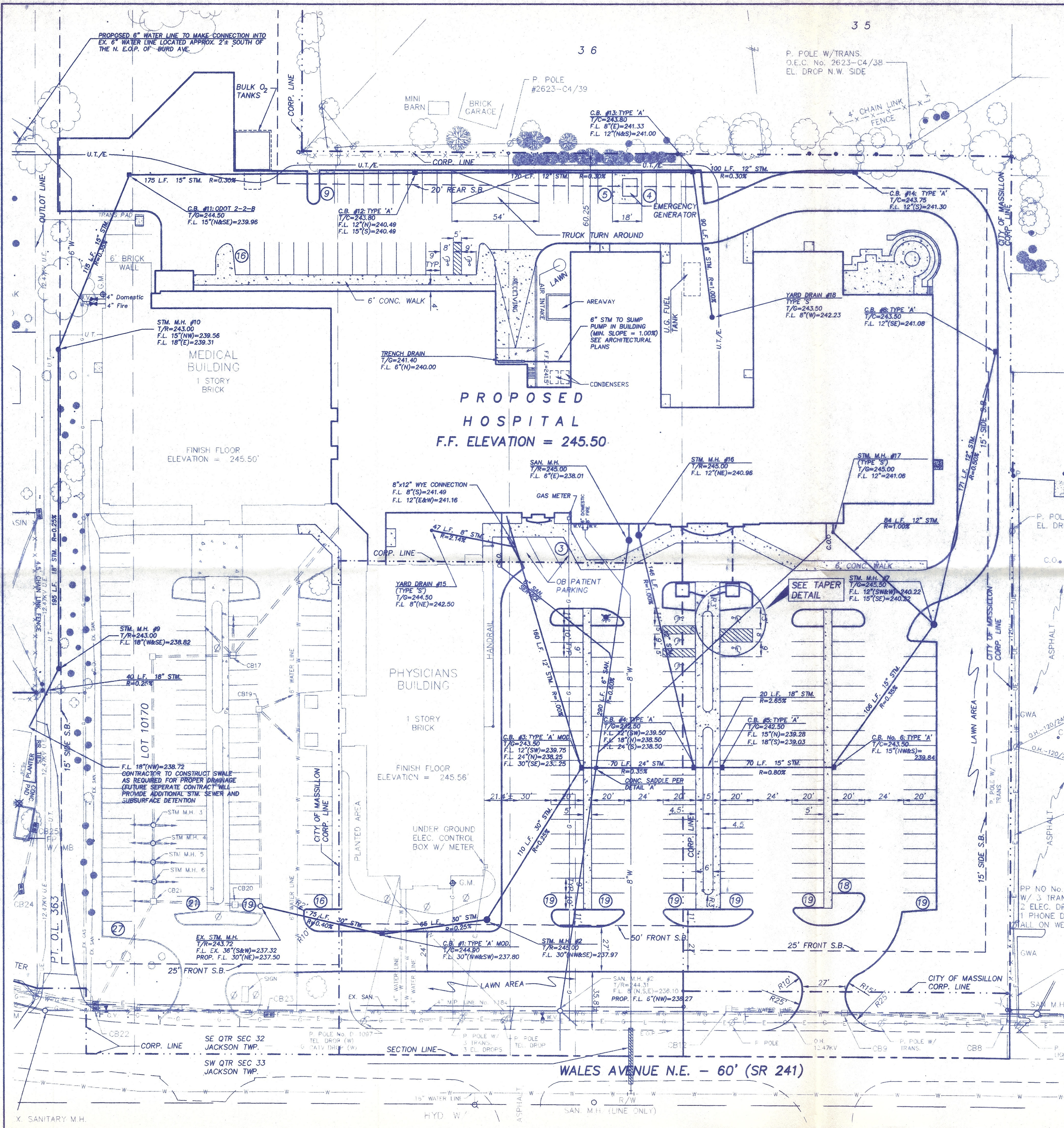
FOR: AULTMAN HEALTH FOUNDATION

DESCRIPTION  
REVISIONS  
DATE BY

DWN BY: M.B.J. CHK'D BY:

PROJ# 98193





**GEOMETRIC AND UTILITY NOTES:**

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THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION.

ALL EXISTING CONDITIONS SHALL BE FIELD CHECKED AND VERIFIED BY THE CONTRACTOR PRIOR TO BIDDING AND CONSTRUCTION. SHOULD THERE BE ANY DISCREPANCY BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS, CONTRACTOR MUST SEEK WRITTEN CLARIFICATION FROM THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK.

SHOULD THE CONTRACTOR ENCOUNTER CONFLICT BETWEEN THESE PLANS AND SPECIFICATIONS, EITHER AMONG THEMSELVES OR WITH THE REQUIREMENTS OF ANY AND ALL RELEVANT PERMITS, HE SHALL SEEK CLARIFICATION, IN WRITING, FROM THE OWNER'S REPRESENTATIVE BEFORE COMMENCEMENT OF CONSTRUCTION.

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THE FOLLOWING MATERIALS ARE APPROVED FOR THE STORM SEWER UNLESS OTHERWISE DESIGNATED ON THE PLAN. INSTALLATION TO BE IN ACCORDANCE WITH ODOT TYPE 'B' UNLESS OTHERWISE NOTED ON THE PLAN.

A) REINFORCED CONCRETE PIPE PER ODOT ITEM 603

B) HIGH DENSITY POLYETHYLENE CORRUGATED PIPE WITH SMOOTH INTERIOR PER ODOT ITEM 944

CATCH BASIN TOP SLAB AND GRATE SHALL BE MODIFIED FOR HIGHWAY LOADING AS REQUIRED. GRATE TO BE BIKE SAFE.

DOWNSPOUT HEADERS SHALL DISCHARGE INTO THE PROPOSED STORM SEWER AND SHALL BE PVC IN ACCORDANCE WITH ASTM D-3034 INSTALLED AT A MINIMUM SLOPE OF 1.00%

THE FOLLOWING MATERIALS ARE ACCEPTABLE FOR THE SANITARY SERVICE LATERAL, HOWEVER, THE COMPLETE SYSTEM SHALL BE UNIFORM IN MATERIAL.

A) VCP EXTRA STRENGTH ASTM C-700 WITH COMPRESSION TYPE JOINTS IN CONFORMANCE WITH ASTM C-425

B) ABS COMPOSITE PIPE ASTM D-2680 WITH CHEMICALLY WELDED PREMIUM JOINTS

C) PVC PIPE ASTM D-3034, SDR 35 MAXIMUM WITH GASKETED PREMIUM JOINTS ASTM D-3212

ALL DIMENSIONS MEASURED TO THE FACE OF CURB UNLESS OTHERWISE NOTED.

CONTRACTOR SHALL ADJUST FOR EXISTING UTILITIES AS NECESSARY.

CONTACT COOPER & ASSOCIATES FOR CONSTRUCTION LAYOUT OR FOR COORDINATE POINT LOCATIONS FOR COORDINATE POINT LOCATIONS AS REQUIRED.

**ZONING DATA**

**CITY OF MASSILLON:**

ZONING CLASSIFICATION: 0-2 OFFICE DISTRICT

MINIMUM FRONT YARD: 25 FT.

MINIMUM SIDE YARD: 15 FT.

MINIMUM REAR YARD: 20 FT.

**JACKSON TOWNSHIP:**

ZONING CLASSIFICATION: B-3 COMMERCIAL DISTRICT

MINIMUM FRONT YARD: 50 FT.

MINIMUM SIDE YARD: 15 FT. (N/A)

MINIMUM REAR YARD: 20 FT. (N/A)

**PARKING DATA**

72 SPACES REQ'D FOR EXISTING PHYSICIAN'S OFFICE BUILDING, PER JACKSON TWP. ZONING

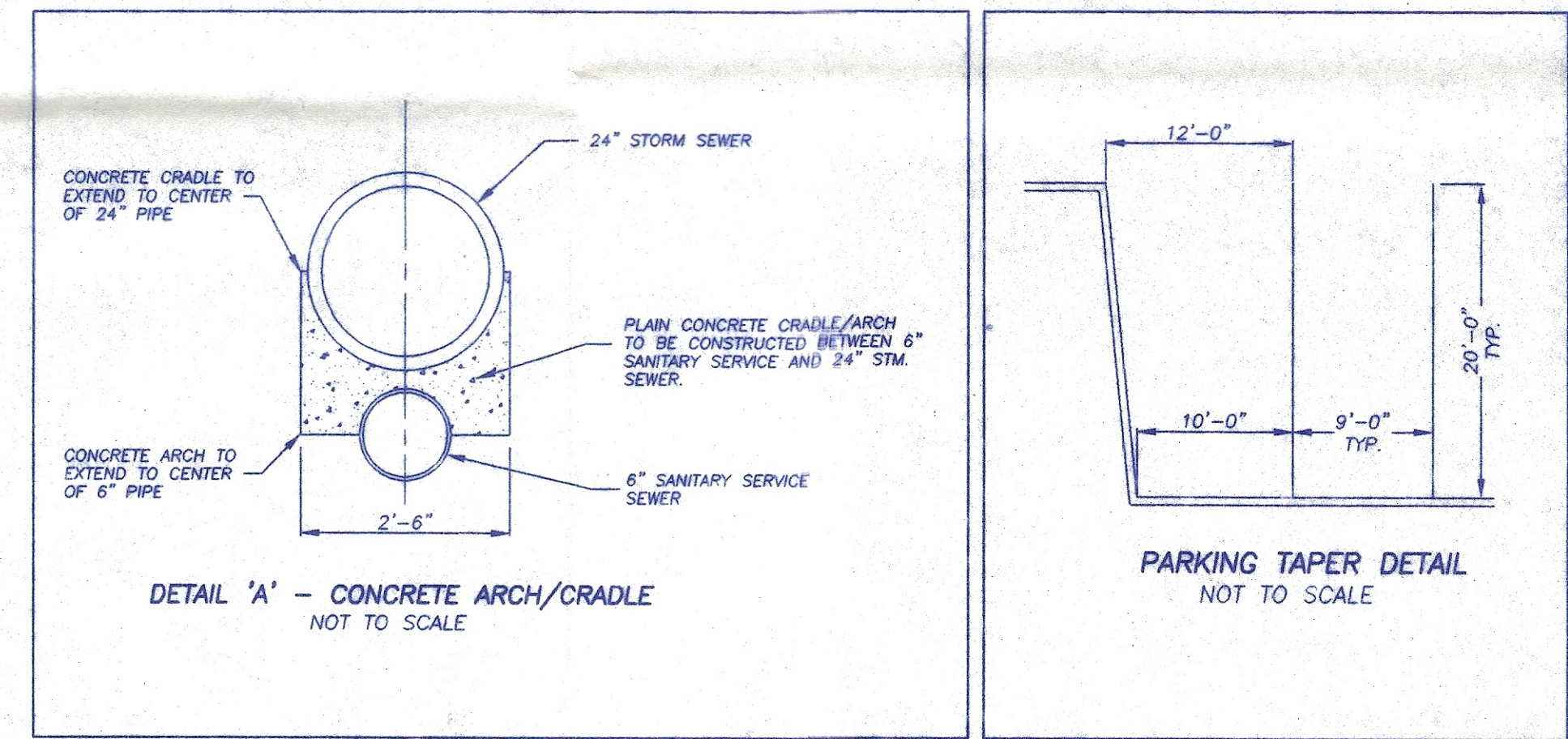
80 SPACES REQ'D FOR HOSPITAL PER MASSILLON CITY (1 SPACE PER BED)

27 SPACES REQ'D FOR HOSPITAL PER MASSILLON CITY (80 EMPLOYEES @ LARGEST SHIFT - 1 SPACE PER 3 EMPLOYEES)

85 SPACES REQ'D FOR EXIST. MEDICAL BUILDING (17,000 SF/200 = 85)

244 TOTAL SPACES REQUIRED

249 TOTAL SPACES PROVIDED



**LEGEND OF ABBREVIATIONS**

U.T./E. UNDERGROUND TELEPHONE AND ELECTRIC

C.O. CLEAN-OUT

W.V. WATER VALVE

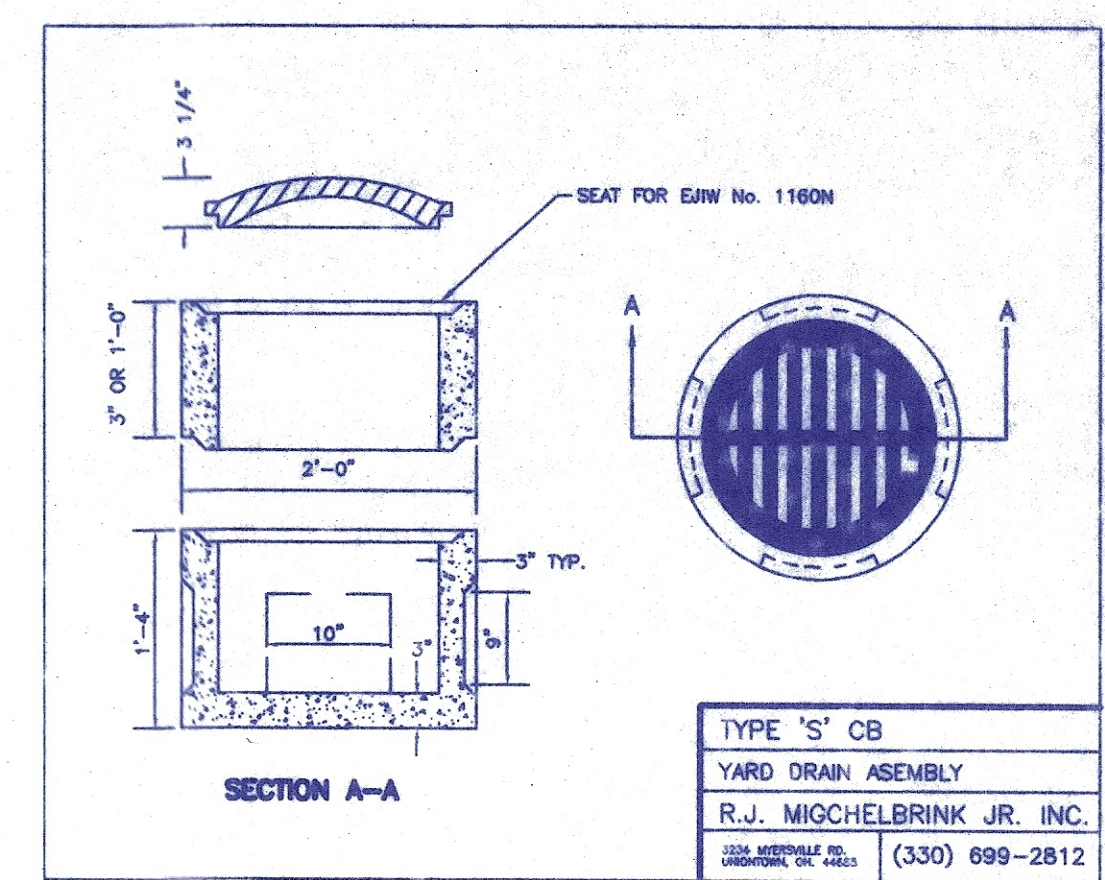
G. GAS LINE

S.B. SETBACK LINE

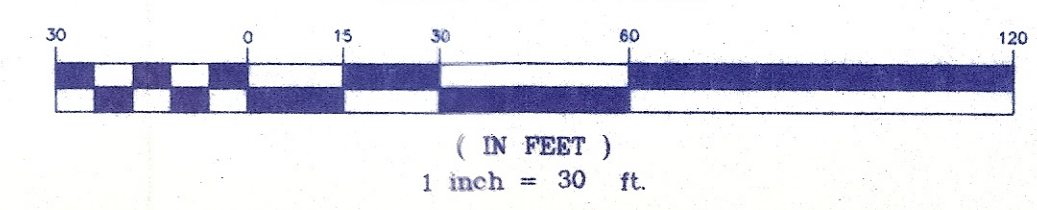
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**UTILITY LOCATION NOTE:**

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**GRAPHIC SCALE**



3 OF 3

DATE: AUGUST 28, 1998

FIELD BOOK NO. D.C.

SHEET

BRYAN J. ASHMAN

JEROLD E. GEIB

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ENGINEERS AND SURVEYORS

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GEOMETRIC AND UTILITY LAYOUT PLAN

AULTMAN WEST EXPANSION

WEST STARK OVERALL COMMERCIAL PROJECT

LOCATED IN PT. OF THE CITY OF MASSILLON AND PT. OF THE S.E. QTR. SEC. 32, T-11(JACKSON), R-9, STARK COUNTY, OHIO

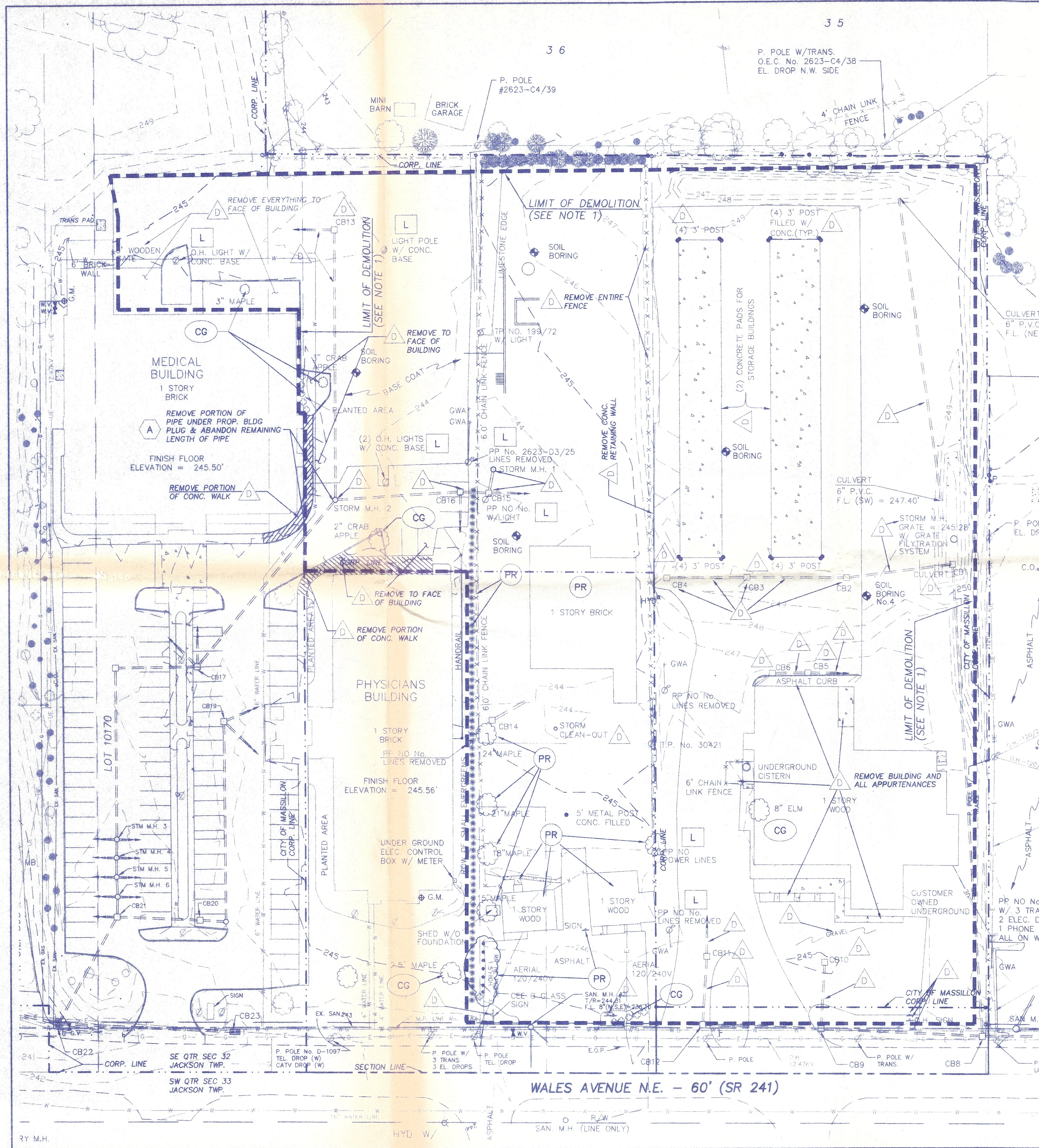
FOR: AULTMAN HEALTH FOUNDATION

REVISED	DATE	BY	REVISIONS

DWG BY: M.B.J. CHK'D BY:

PROJECT NO. 98193





#### DEMOLITION NOTES:

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THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS FOR CONSTRUCTION.

ALL EXISTING FIELD CONDITIONS SHALL BE ACTUALLY FIELD CHECKED AND VERIFIED BY THE CONTRACTOR PRIOR TO BIDDING AND CONSTRUCTION. SHOULD THERE BE ANY DISCREPANCY BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS, CONTRACTOR MUST SEEK WRITTEN CLARIFICATION FROM THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK.

SHOULD THE CONTRACTOR ENCOUNTER CONFLICT BETWEEN THESE PLANS AND SPECIFICATIONS, EITHER AMONG THEMSELVES OR WITH THE REQUIREMENTS OF ANY AND ALL REVIEWING AND PERMIT-ISSUING AGENCIES, HE SHALL SEEK CLARIFICATION, IN WRITING, FROM THE OWNER'S REPRESENTATIVE BEFORE DEMOLITION OPERATIONS COMMENCE.

IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO CONSTRUCT ALL ITEMS ON THESE PLANS USING CONSTRUCTION MEANS AND METHODS THAT WILL PROTECT PROPERTY AND PREVENT BODILY INJURY AND/OR DEATH. THE CONTRACTOR SHALL TAKE ANY NECESSARY SAFETY PRECAUTIONS TO COMPLY WITH THE SAFETY REQUIREMENTS OF THE CITY, STATE AND FEDERAL GOVERNMENTS.

DEMOLITION SHALL BE PERFORMED, AND EQUIPMENT STORED, IN A MANNER WHICH PERMITS EXISTING FACILITIES TO PERFORM WITHOUT INTERRUPTION.

ALL DEMOLITION ITEMS SHALL BE REMOVED FROM THE SITE IN ACCORDANCE WITH THE OWNER'S DIRECTION, AND SHALL BE PERFORMED IN ACCORDANCE WITH THE FOLLOWING ODOT ITEMS:

ITEM 201 - CLEARING AND GRUBBING, WHICH SHALL CONSIST OF, BUT SHALL NOT BE LIMITED TO, SCALPING AREAS OF PROPOSED EXCAVATION AND EMBANKMENT, REMOVAL OF TREES AND STUMPS, AND ALL VEGETATION AND DEBRIS AS REQUIRED.

ITEM 202 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS, WHICH SHALL CONSIST OF, BUT SHALL NOT BE LIMITED TO, REMOVAL OF ALL BUILDINGS, STRUCTURES, AND ANY OTHER ITEMS SPECIFIED AS SUCH.

BACKFILLING OF REMOVED BUILDINGS AND STRUCTURES AS REQUIRED SHALL BE IN ACCORDANCE WITH ODOT ITEM 203.

ALL PAVEMENT, GRAVEL, & CONCRETE AREAS LOCATED WITHIN THE LIMITS OF DEMOLITION ARE TO BE REMOVED FROM SITE IN ACCORDANCE WITH OWNER'S DIRECTION.

ALL DRIVE ENTRANCES ONTO WALES AVENUE NOT REQUIRED FOR THE PROPOSED ENTRANCE OR FOR CONSTRUCTION ACCESS ARE TO BE REMOVED.

CERTAIN DESIGNATED AREAS DO NOT REPRESENT THE CURRENT TOPOGRAPHY OF THIS SITE, AND ADDITIONAL DEMOLITION WILL BE REQUIRED. THIS INCLUDES TWO ROWS OF PARKING ALONG THE NORTH END OF THE EXISTING PHYSICIAN'S BUILDING. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PERFORM AN ON-SITE EVALUATION OF THE SITE TO DETERMINE THE EXTENTS OF THE NECESSARY DEMOLITION ITEMS.

ALL ITEMS DESIGNATED FOR RELOCATION SHALL BE DONE SO IN ACCORDANCE WITH THE OWNER AND ANY GOVERNING AGENCY (I.E. UTILITY COMPANY) AS IS APPLICABLE.

#### LEGEND OF SYMBOLS AND ABBREVIATIONS

L	RELOCATE IN ACCORDANCE WITH OWNER'S DIRECTION. COORDINATE WITH ANY UTILITY COMPANIES AS REQUIRED
D	REMOVAL OF STRUCTURES AND OBSTRUCTIONS IN ACCORDANCE WITH ODOT ITEM 202
A	PIPE WHICH IS TO BE ABANDONED
PR	ITEM WHICH, UPON VISUAL INSPECTION OF THE SITE ON ****DATE****, NO LONGER REMAINS
CG	CLEARING AND GRUBBING IN ACCORDANCE WITH ODOT ITEM 201
S	SIGN
P. POLE	POWER POLE
L. POLE	LIGHT POLE
CB	CATCH BASIN
MH	MANHOLE
P	POST
---	LIMIT OF DEMOLITION
U.E.	UNDERGROUND ELECTRIC
O.H.	OVERHEAD ELECTRIC
G	GAS

**PRELIMINARY  
NOT FOR CONSTRUCTION**

- SWPPP in place  
- Curb on Wales  
- Storm drainage outlet  
rotation @ Burd / Wales (?)  
2 Sets of Plans - Pages  
M'Que

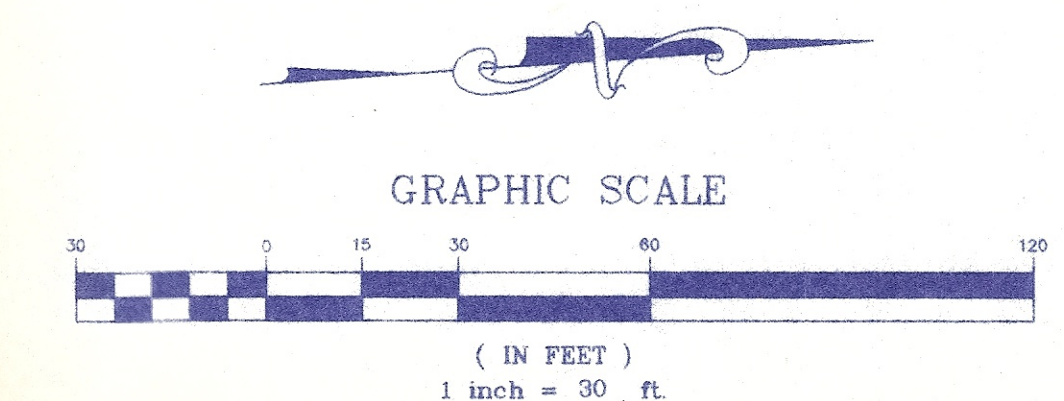
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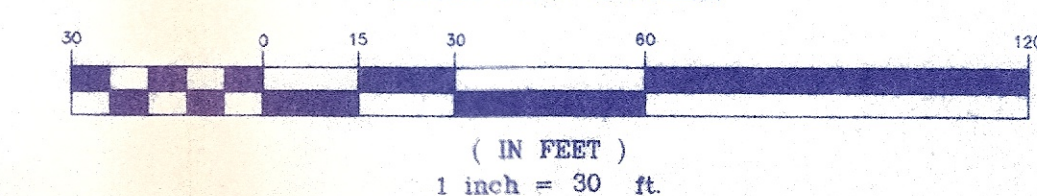
**BENCHMARK No. 1**  
TOP OPERATING NUT OF HYDRANT  
N.W. CORNER OF WALES AVE. N.E.  
AND BURD AVE. N.E.  
ELEVATION = 240.95

**BENCHMARK No. 2**  
TOP OPERATING NUT OF HYDRANT  
EAST SIDE OF WALES AVE. N.E. IN  
FRONT OF FRIENDLY'S RESTAURANT  
ELEVATION = 240.95

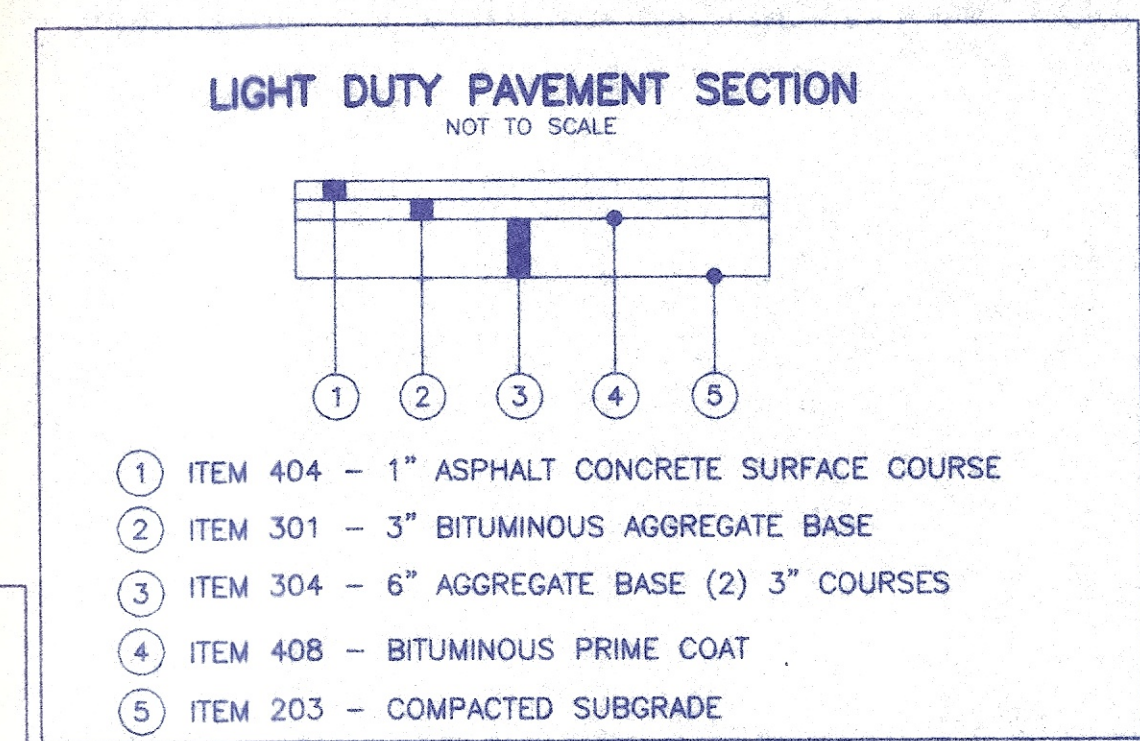
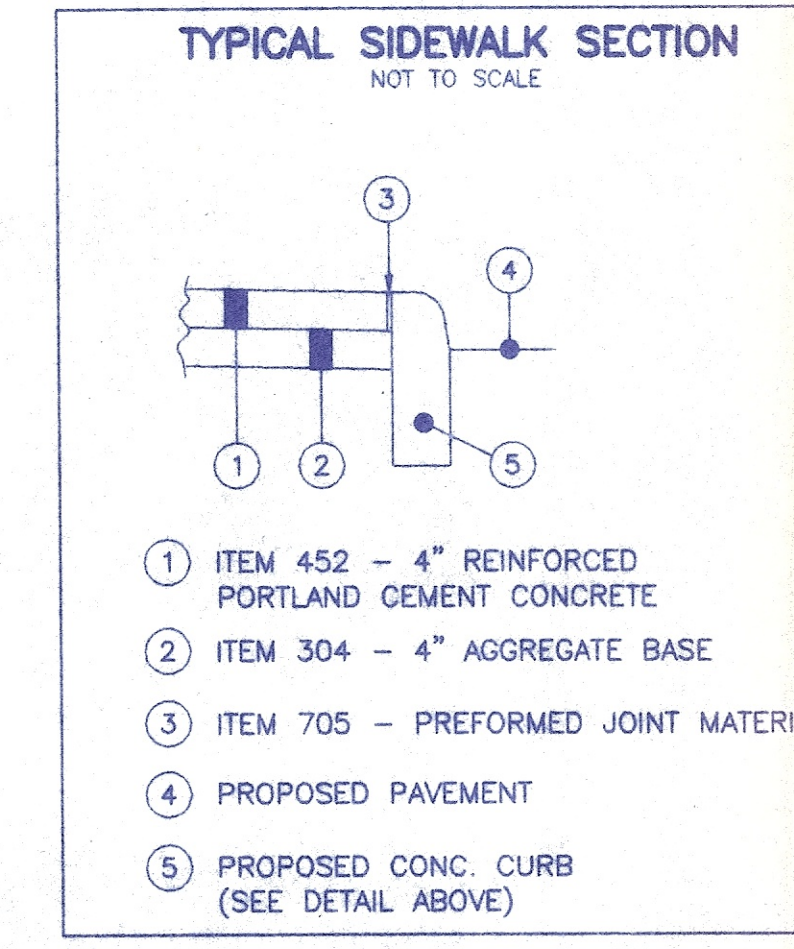
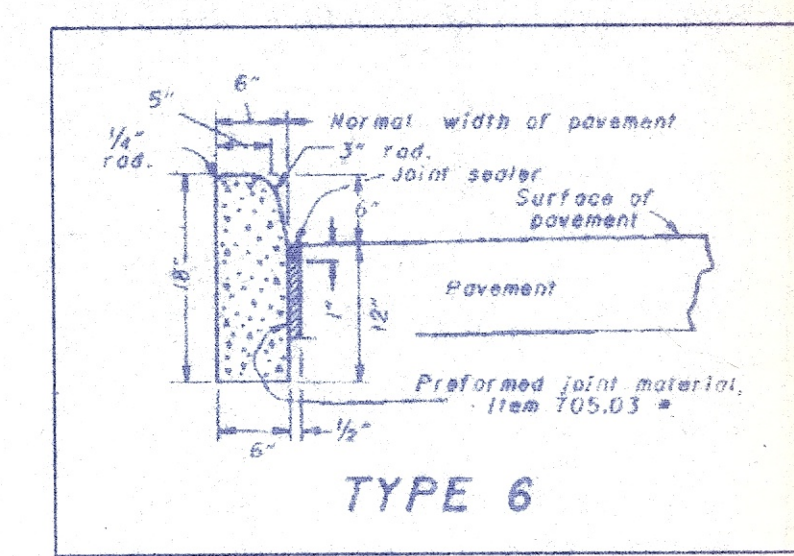
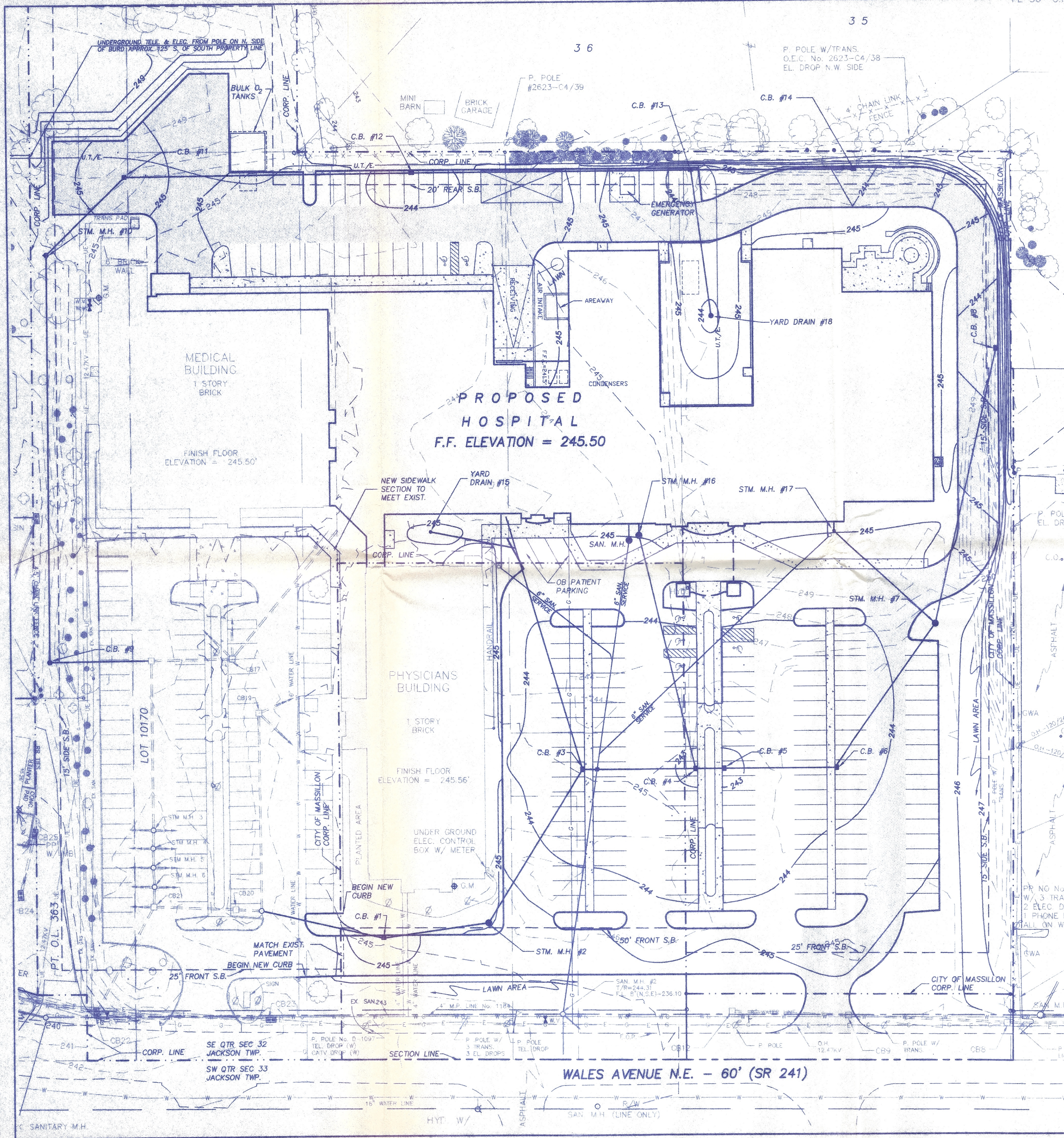
**BENCHMARK No. 3**  
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□ DENOTES AREA OF HEAVY-DUTY PAVEMENT

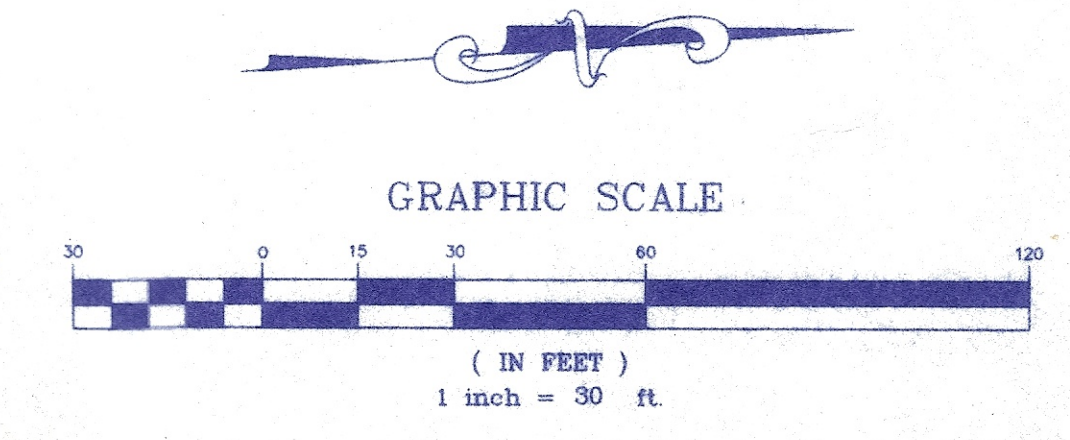
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SCALE: HORIZ. 1"=30' VERT. N/A

DATE: JULY 1988

FIELD BOOK No. D.C.

SHEET 3 OF 3

BRYAN J. ASHMAN

JEROLD E. GEIB

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ENGINEERS AND SURVEYORS

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GRADING AND PAVING PLAN

**AULTMAN WEST EXPANSION**

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FOR: AULTMAN HEALTH FOUNDATION

DESCRIPTION	DATE	BY
REVISIONS		

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