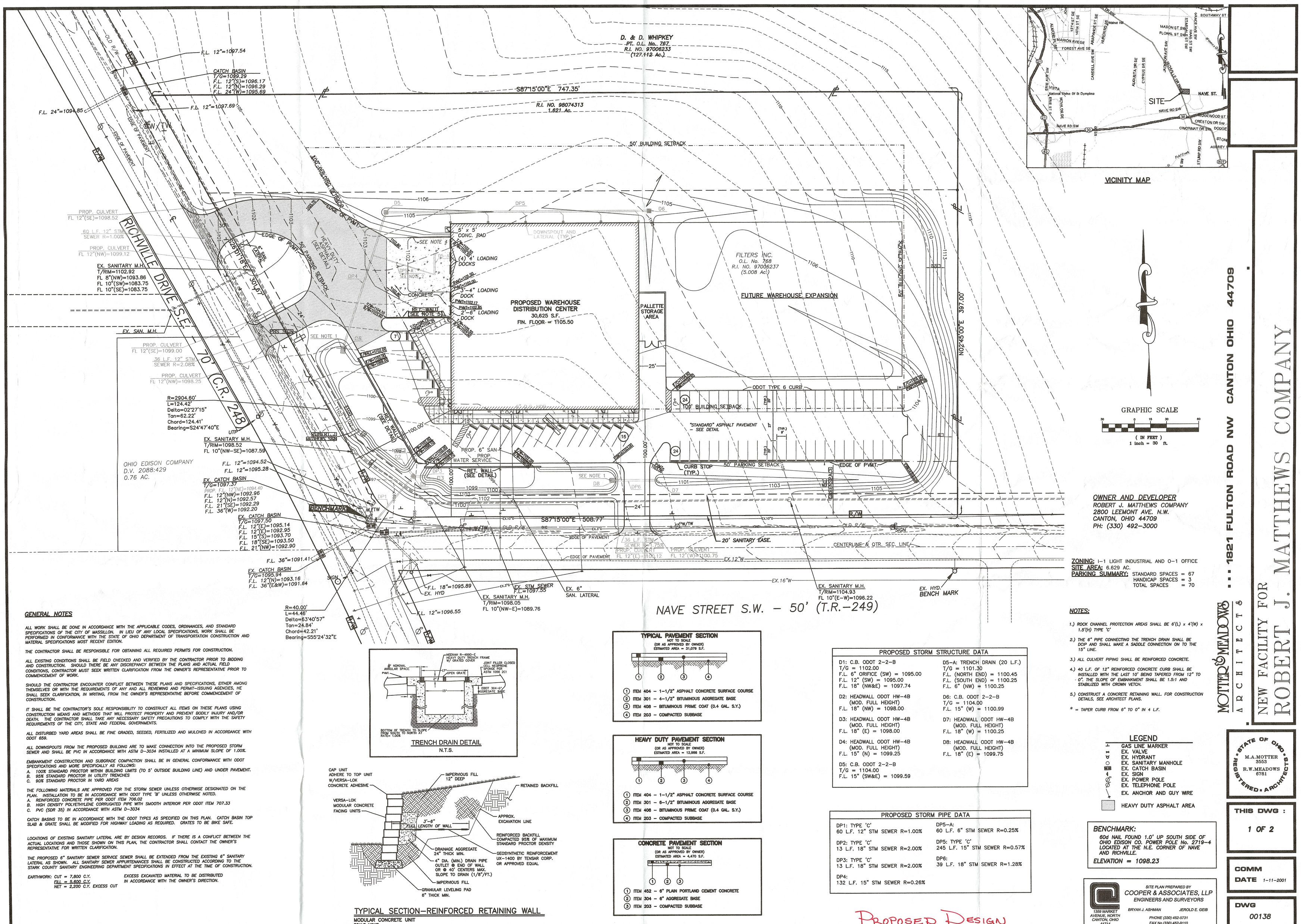


VICINITY MAP

GRAPHIC SCALE

30 0 15 30 60

(IN FEET)
1 inch = 30 ft.

GENERAL NOTES

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE CODES, ORDINANCES, AND STANDARD SPECIFICATIONS OF THE CITY OF MASSILLON. IN LIEU OF ANY LOCAL SPECIFICATIONS, WORK SHALL BE PERFORMED IN CONFORMANCE WITH THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS MOST RECENT EDITION.

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 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.

ALL DISTURBED YARD AREAS SHALL BE FINE GRADED, SEEDED, FERTILIZED AND MULCHED IN ACCORDANCE WITH ODOT 659.

ALL DOWNSPOUTS FROM THE PROPOSED BUILDING ARE TO MAKE CONNECTION INTO THE PROPOSED STORM SEWER AND SHALL BE PVC IN ACCORDANCE WITH ASTM D-3034 INSTALLED AT A MINIMUM SLOPE OF 1.00%.

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 BUILDING LINE) AND UNDER PAVEMENT.
B. 95% STANDARD PROCTOR IN UTILITY TRENCHES
C. 90% STANDARD PROCTOR IN YARD AREAS

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.
A. REINFORCED CONCRETE PIPE PER ODOT ITEM 706.02
B. HIGH DENSITY POLYETHYLENE CORRUGATED PIPE WITH SMOOTH INTERIOR PER ODOT ITEM 707.33
C. PVC (SDR 35) IN ACCORDANCE WITH ASTM D-3034

CATCH BASINS TO BE IN ACCORDANCE WITH THE ODOT TYPES AS SPECIFIED ON THIS PLAN. CATCH BASIN TOP SLAB & GRATE SHALL BE MODIFIED FOR HIGHWAY LOADING AS REQUIRED. GRATES TO BE BIKE SAFE.

LOCATIONS OF EXISTING SANITARY LATERAL ARE BY DESIGN RECORDS. IF THERE IS A CONFLICT BETWEEN THE ACTUAL LOCATIONS AND THOSE SHOWN ON THIS PLAN, THE CONTRACTOR SHALL CONTACT THE OWNER'S REPRESENTATIVE FOR WRITTEN CLARIFICATION.

THE PROPOSED 6" SANITARY SEWER SERVICE SEWER SHALL BE EXTENDED FROM THE EXISTING 6" SANITARY LATERAL AS SHOWN. ALL SANITARY SEWER APPURTENANCES SHALL BE CONSTRUCTED ACCORDING TO THE STARK COUNTY SANITARY ENGINEERING DEPARTMENT SPECIFICATIONS IN EFFECT AT THE TIME OF CONSTRUCTION.

EARTHWORK: CUT = 7,800 C.Y. EXCESS EXCAVATED MATERIAL TO BE DISTRIBUTED
FILL = 5,600 C.Y. IN ACCORDANCE WITH THE OWNER'S DIRECTION.
NET = 2,200 C.Y. EXCESS CUT

TRENCH DRAIN DETAIL
N.T.S.

TYPICAL SECTION–REINFORCED RETAINING WALL
MODULAR CONCRETE UNIT
SCALE: NONE

TYPICAL PAVEMENT SECTION
NOT TO SCALE
(OR AS APPROVED BY OWNER)
ESTIMATED AREA = 31,079 S.F.

1. ITEM 404 – 1-1/2" ASPHALT CONCRETE SURFACE COURSE
2. ITEM 301 – 4-1/2" BITUMINOUS AGGREGATE BASE
3. ITEM 408 – BITUMINOUS PRIME COAT (0.4 GAL. S.Y.)
4. ITEM 203 – COMPACTED SUBBASE

HEAVY DUTY PAVEMENT SECTION
NOT TO SCALE
(OR AS APPROVED BY OWNER)
ESTIMATED AREA = 12,986 S.F.

1. ITEM 404 – 1-1/2" ASPHALT CONCRETE SURFACE COURSE
2. ITEM 301 – 6-1/2" BITUMINOUS AGGREGATE BASE
3. ITEM 408 – BITUMINOUS PRIME COAT (0.4 GAL. S.Y.)
4. ITEM 203 – COMPACTED SUBBASE

CONCRETE PAVEMENT SECTION
NOT TO SCALE
(OR AS APPROVED BY OWNER)
ESTIMATED AREA = 4,470 S.F.

1. ITEM 452 – 6" PLAIN PORTLAND CEMENT CONCRETE
2. ITEM 304 – 6" AGGREGATE BASE
3. ITEM 203 – COMPACTED SUBBASE

PROPOSED STORM STRUCTURE DATA

D1: C.B. ODOT 2–2–B
T/G = 1102.00
F.L. 6" ORIFICE (SW) = 1095.00
F.L. 12" (SW) = 1095.00
F.L. 18" (NW&E) = 1097.74

D2: HEADWALL ODOT HW–4B (MOD. FULL HEIGHT)
F.L. 18" (NW) = 1098.00

D3: HEADWALL ODOT HW–4B (MOD. FULL HEIGHT)
F.L. 18" (E) = 1098.00

D4: HEADWALL ODOT HW–4B (MOD. FULL HEIGHT)
F.L. 15" (N) = 1099.25

D5: C.B. ODOT 2–2–B
T/G = 1104.00
F.L. 15" (SW&E) = 1099.59

D5–A: TRENCH DRAIN (20 L.F.)
T/G = 1101.30
F.L. (NORTH END) = 1100.45
F.L. (SOUTH END) = 1100.25
F.L. 6" (NW) = 1100.25

D6: C.B. ODOT 2–2–B
T/G = 1104.00
F.L. 15" (W) = 1100.99

D7: HEADWALL ODOT HW–4B (MOD. FULL HEIGHT)
F.L. 18" (W) = 1100.25

D8: HEADWALL ODOT HW–4B (MOD. FULL HEIGHT)
F.L. 18" (E) = 1099.75

PROPOSED STORM PIPE DATA

DP1: TYPE 'C'
60 L.F. 12" STM SEWER R=1.00%

DP2: TYPE 'C'
13 L.F. 18" STM SEWER R=2.00%

DP3: TYPE 'C'
13 L.F. 18" STM SEWER R=2.00%

DP4:
132 L.F. 15" STM SEWER R=0.26%

DP5–A:
60 L.F. 6" STM SEWER R=0.25%

DP5: TYPE 'C'
245 L.F. 15" STM SEWER R=0.57%

DP6:
39 L.F. 18" STM SEWER R=1.28%

PROPOSED DESIGN

OWNER AND DEVELOPER
ROBERT J. MATTHEWS COMPANY
2800 LEEMONT AVE. N.W.
CANTON, OHIO 44709
PH: (330) 492–3000

ZONING: I–1 LIGHT INDUSTRIAL AND O–1 OFFICE
SITE AREA: 6.629 AC.
PARKING SUMMARY: STANDARD SPACES = 67
HANDICAP SPACES = 3
TOTAL SPACES = 70

NOTES:

1.) ROCK CHANNEL PROTECTION AREAS SHALL BE 6'(L) x 4'(W) x 1.5'(H) TYPE 'C'

2.) THE 6" PIPE CONNECTING THE TRENCH DRAIN SHALL BE DCIP AND SHALL MAKE A SADDLE CONNECTION ON TO THE 15" LINE.

3.) ALL CULVERT PIPING SHALL BE REINFORCED CONCRETE.

4.) 40 L.F. OF 12" REINFORCED CONCRETE CURB SHALL BE INSTALLED WITH THE LAST 10' BEING TAPERED FROM 12" TO 0". THE SLOPE OF EMBANKMENT SHALL BE 1.5:1 AND STABILIZED WITH CROWN VETCH.

5.) CONSTRUCT A CONCRETE RETAINING WALL. FOR CONSTRUCTION DETAILS, SEE ARCHITECT PLANS.

* = TAPER CURB FROM 6" TO 0" IN 4 L.F.

LEGEND

- GAS LINE MARKER
- EX. VALVE
- EX. HYDRANT
- EX. SANITARY MANHOLE
- EX. CATCH BASIN
- EX. SIGN
- EX. POWER POLE
- EX. TELEPHONE POLE
- EX. ANCHOR AND GUY WIRE
- HEAVY DUTY ASPHALT AREA

BENCHMARK:
60d NAIL FOUND 1.0' UP SOUTH SIDE OF OHIO EDISON CO. POWER POLE No. 2719–4 LOCATED AT THE N.E. CORNER OF NAVE AND RICHVILLE.
ELEVATION = 1098.23

SITE PLAN PREPARED BY
COOPER & ASSOCIATES, LLP
ENGINEERS AND SURVEYORS
1369 MARKET AVENUE, NORTH CANTON, OHIO 44714
BRYAN J. ASHMAN JERROLD E. GEIB
PHONE (330) 452-5731
FAX No.(330) 452-9110

NEW FACILITY FOR
ROBERT J. MATTHEWS COMPANY
• • • 1821 FULTON ROAD NW • • • CANTON OHIO 44709

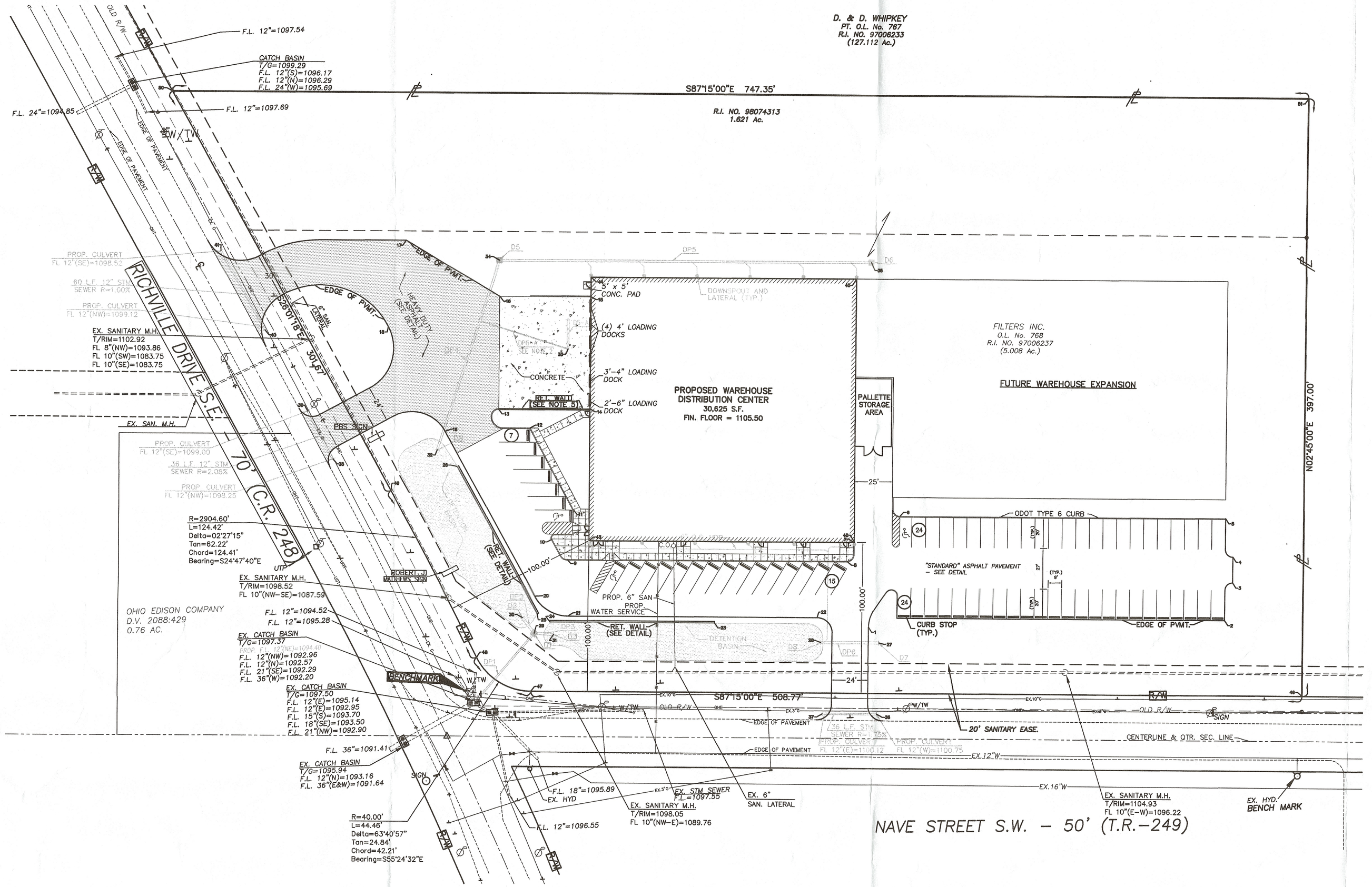
MOTTER MEADOWS
ARCHITECTS

STATE OF OHIO
M.A.MOTTER
3553
R.W.MEADOWS
6781
REGISTERED ARCHITECT

THIS DWG : 1 OF 2

COMM DATE 1–11–2001

DWG 00138

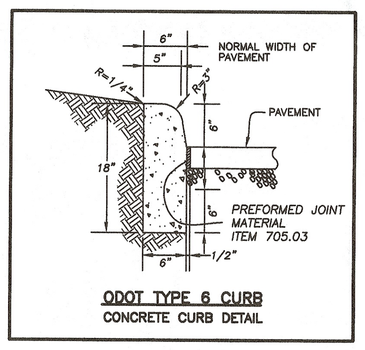


GRAPHIC SCALE

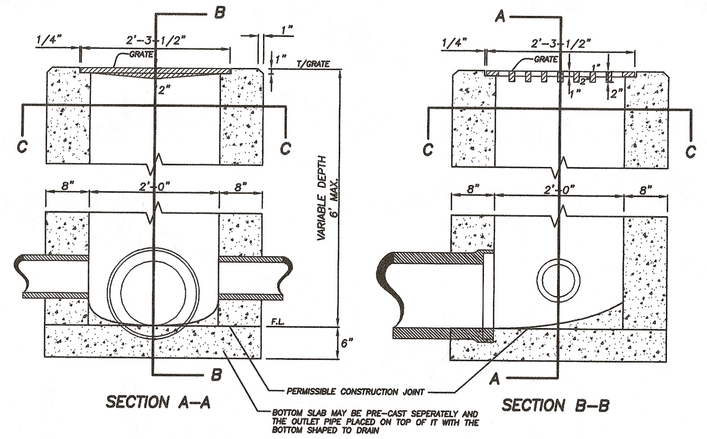
30 0 15 30 60

(IN FEET)
1 inch = 30 ft.

COORDINATE LAYOUT				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	10121.24	9083.84	P=1102.91	P.C.: EDGE OF PAVEMENT
2	10116.10	9298.74	P=1103.50	EDGE OF PAVEMENT
3	10140.88	9304.93	P=1103.80	EDGE OF PAVEMENT
4	10157.86	9305.75	P=1104.00	EDGE OF PAVEMENT
5	10183.57	9301.98	T/C=1104.90	TOP BACK OF CURB
6	10193.88	9087.22	T/C=1104.90	TOP BACK OF CURB
7	10177.87	9055.92	T/C=1105.40	TOP BACK OF CURB
8	10165.60	9050.82	T/C=1104.50	P.T.: TOP BACK OF CURB
9	10174.45	8866.48	T/C=1104.50	P.C.: TOP BACK OF CURB
10	10188.18	8867.18	T/C=1104.50	P.C.: TOP BACK OF CURB
11	10207.07	8872.11	T/C=1105.00	TOP BACK OF CURB
12	10262.77	8845.96	T/C=1104.75	TOP BACK OF CURB
13	10278.02	8825.87	T/C=1104.10	TOP BACK OF CURB
14	10273.64	8885.82	P=1103.00	EDGE OF CONCRETE
15	10348.05	8889.39	P=1101.50	EDGE OF CONCRETE
16	10350.93	8829.46	P=1102.80	EDGE OF CONCRETE
17	10390.59	8770.03	P=1103.75	EDGE OF PAVEMENT
18	10333.87	8755.45	P=1103.50	P.C.: EDGE OF PAVEMENT
19	10262.88	8790.11	P=1103.00	P.T.: EDGE OF PAVEMENT
20	10150.93	8844.76	P=1103.00	P.C.: EDGE OF PAVEMENT
21	10136.93	8886.03	P=1103.00	P.T.: EDGE OF PAVEMENT
22	10128.05	9030.18	P=1103.00	P.C.: EDGE OF PAVEMENT
23	10128.30	8962.42	T/W=1102.00	TOP FACE OF WALL
24	10133.50	8854.16	T/W=1102.00	TOP FACE OF WALL
25	10139.28	8846.00	T/W=1102.00	TOP FACE OF WALL
26	10239.21	8797.21	T/W=1102.00	TOP FACE OF WALL
27	10110.60	9070.34	F.L.=1100.25	HEADWALL D7
28	10112.44	9031.88	F.L.=1099.75	HEADWALL D8
29	10126.55	8843.45	T/G=1102.00	C.B. D1
30	10137.08	8836.24	T/G=1098.00	C.B. D2
31	10125.12	8856.15	T/G=1098.00	C.B. D3
32	10250.82	8784.53	T/G=1099.25	C.B. D4
33	10314.06	8872.74	T/G=1101.30	TRENCH DRAIN D5-A
34	10374.90	8830.61	T/G=1104.00	C.B. D5
35	10363.15	9075.33	T/G=1104.00	C.B. D6
36	10083.43	9087.07	F.L.=1100.75	12" CULVERT
37	10085.18	9031.12	F.L.=1100.12	12" CULVERT
38	10247.62	8715.54	F.L.=1098.25	12" CULVERT
39	10280.18	8700.19	F.L.=1099.00	12" CULVERT
40	10335.13	8674.42	F.L.=1099.12	12" CULVERT
41	10388.95	8647.89	F.L.=1098.52	12" CULVERT
42	10177.84	9056.42	F.F.=1105.50	BUILDING CORNER
43	10186.24	8881.62	F.F.=1105.50	BUILDING CORNER
44	10161.04	8880.07	F.F.=1105.50	BUILDING CORNER
45	10352.64	9084.81	F.F.=1105.50	BUILDING CORNER
46	10083.72	9348.04	N/A	PROPERTY CORNER
47	10088.13	8839.86	N/A	PROPERTY CORNER
48	10112.09	8805.12	N/A	PROPERTY CORNER
49	10223.03	8752.95	N/A	PROPERTY CORNER
50	10496.12	8620.60	N/A	PROPERTY CORNER
51	10460.26	9367.09	N/A	PROPERTY CORNER



ODOT TYPE 6 CURB
CONCRETE CURB DETAIL



STANDARD No. 2-2-B CATCH BASIN

LOCATION AND ELEVATION WHEN GIVEN ON THE PLAN IS TOP CENTER OF THE GRATE.

GRATE - THE DESIGN SHALL BE ESSENTIALLY THE SAME AND EQUALLY AS STRONG AS THE ONE SHOWN HEREON.
WEIGHT OF GRATE MINIMUM = 120 LBS.

CONCRETE WALLS SHALL HAVE A NOMINAL THICKNESS OF 8" INCHES. PRE-CAST SHALL HAVE A MINIMUM THICKNESS OF SIX INCHES AND BE REINFORCED SUFFICIENTLY TO PERMIT SHIPPING AND HANDLING WITHOUT DAMAGE.

CONCRETE - CAST-IN-PLACE SHALL BE CLASS C. ALL PRE-CAST CONCRETE SHALL MEET THE REQUIREMENTS OF ODOT ITEM 706.03 WITH 6 ±2% AIR VOID CONTENT AND BE MARKED WITH CATCH BASIN NUMBER.

OPENINGS FOR PIPES SHALL BE O.D.+2" WHEN FABRICATED OR FIELD CUT.

LEGEND

- GAS LINE MARKER
- EX. VALVE
- EX. HYDRANT
- EX. SANITARY MANHOLE
- EX. CATCH BASIN
- EX. SIGN
- EX. POWER POLE
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Proposed Design

MOTTER MEADOWS ARCHITECTS
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NEW FACILITY FOR
ROBERT J. MATTHEWS COMPANY

STATE OF OHIO
M.A.MOTTER 3553
R.W.MEADOWS 6761
REGISTERED ARCHITECTS

THIS DWG : 2 OF 2

COMM DATE 1-11-2001

DWG 00138