CITY OF MASSILLON
STATE ROUTE 241 PARK

STARK COUNTY

ISSUED: JULY 27, 1998

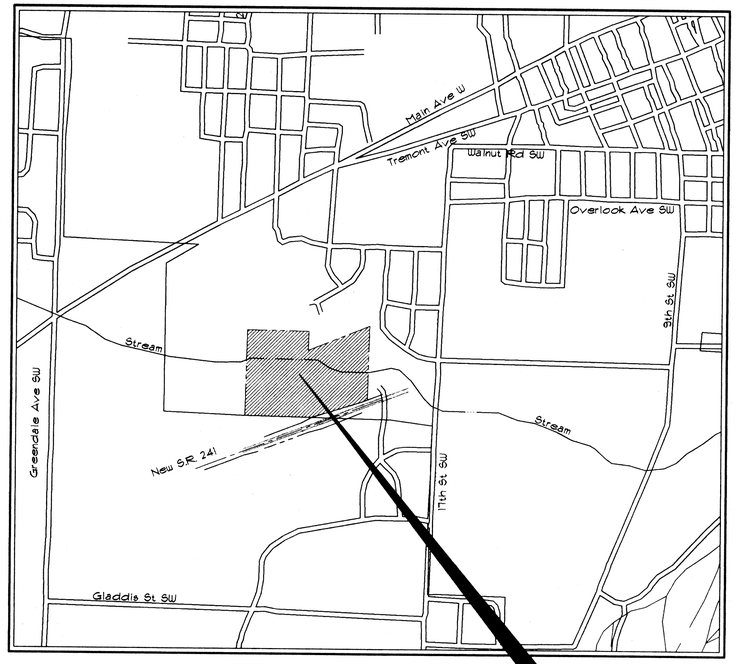
APPROVALS:
CITY OF MASSILLON

Alan W. Climer	Director of Public Safety and Service	Date
James J. Banakos, P.E., P.S.	City Engineer	Date
James P. Seikel	Director of Parks and Recreation	Date

OHIO E.P.A. BY LETTER DATED: _____ (SANITARY)
_____ (WATER)

SITE PLAN LEGEND

- LIMIT OF WORK
- 1005 PROPOSED CONTOUR (10' INCREMENT)
- 1001 PROPOSED CONTOUR (2' INCREMENT)
- EXISTING CONTOUR (10' INCREMENT)
- EXISTING CONTOUR (2' INCREMENT)
- EXISTING EDGE OF WOODS
- NEW EDGE OF WOODS
- CONSTRUCTION FENCING - MUST GO TO DRIPLINE OF PROTECTED TREE - DETERMINE ON SITE
- EX. UTILITY TO BE CRUSHED, REMOVED, AND/OR ABANDONED
- SILT FENCE
- INLET WITH SILT FENCE
- ROCK CHANNEL PROTECTION
- ROCK CHECK DAM
- PROPERTY LINE
- CENTERLINE
- PROPOSED YARD INLET
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- EX. MANHOLE
- Ø50Ø.73 SPOT GRADE ELEVATION
- HP HIGH POINT
- TC TOP OF CURB
- BC BOTTOM OF CURB
- SWALE
- SWALE PROTECTION MATTING
- PROPOSED FIRE HYDRANT
- CLAY INFIELD
- CONCRETE PAVEMENT
- WETLAND
- EXISTING FENCE
- STM. PROPOSED STORM SEWER
- SAN. EXISTING SANITARY SEWER
- SAN. PROPOSED SANITARY SEWER
- WM. PROPOSED WATER LINE
- GAS G EXISTING GAS LINE
- GAS G PROPOSEDGAS LINE
- E PROPOSED ELECTRIC LINE
- T PROPOSED TELEPHONE LINE
- EXISTING TREE(S) TO BE REMOVED



LOCATION MAP

N

0 1000 2000

GRAPHIC SCALE
(IN FEET)

O.D.O.T. STANDARD DRAWING INDEX

STD. DWG. NO.	DATE
2-2-A	5/1/79
2-2-B	5/1/79
HW-1	6/1/65
HW-3	6/1/65
HW-4B	4/1/80

UNDERGROUND UTILITIES

2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

INDEX OF DRAWINGS

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ELECTRICAL	E1-E2
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MECHANICAL	M1-M2

1998 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THESE PLANS BID DOCUMENTS SHALL GOVERN THIS IMPROVEMENT FOR PURPOSES OF THIS PLAN REFERENCES TO DIRECTOR OR ENGINEER SHALL BE CONSTRUED TO MEAN THE CITY ENGINEER AND/OR HIS REPRESENTATIVES. METRIC UNITS SHALL NOT BE USED FOR THIS PROJECT.

PLANS PREPARED BY:

EDG ENVIRONMENTAL DESIGN GROUP
ENGINEERS · LANDSCAPE ARCHITECTS · SURVEYORS
450 GRANT STREET AKRON, OHIO 44311-1183
TEL. (330) 375-1390 FAX. (330) 375-1590

Stephen P. Topovski, P.E., P.S. Date

Dennis J. Mersky, A.S.L.A. Date

REVISED:

SET NO. _____

PROJ. NUMBER	436901	TITLE SHEET	SHEET 1 OF 50
DESIGNED BY:	DJM, JLC, SVE		
DRAWN BY:	SVE, DRG, HAH		
FILE NO.	TS01.DWG		

E:\MASSILLON\436901\CADD\ts01.dwg Mon Jul 27 09:41:19 1998 Environmental Design Group, Inc.

KNOWN UTILITIES IN THE AREA

AT&T COMMUNICATIONS
2935 E. 40TH AVE.
DENVER, CO 80205

AMERITECH
309 S. WASHINGTON
ROOM 2084
SAGINAW, MI 48607

CITY OF MASSILLON
SANITARY SEWER/TRAFFIC DEPT.
1 JAMES DUNCAN PLAZA
MASSILLON, OH 44646

CONSUMER OHIO WATER COMPANY
PO BOX 584
MASSILLON, OH 44648

EAST OHIO GAS-CANTON
CENTRAL LOCATING SERVICE
2550 HARRISON RD.
COLUMBUS, OH 43230

LCI INTERNATIONAL
2710 LEXINGTON AVE.
PO BOX 3168
MANSFIELD, OH 44904

MASSILLON CABLE TV
PO BOX 814
814 CABLE CT. NW
MASSILLON, OH 44648

MB OPERATING
104 6TH ST. SW
CANTON, OH 44702

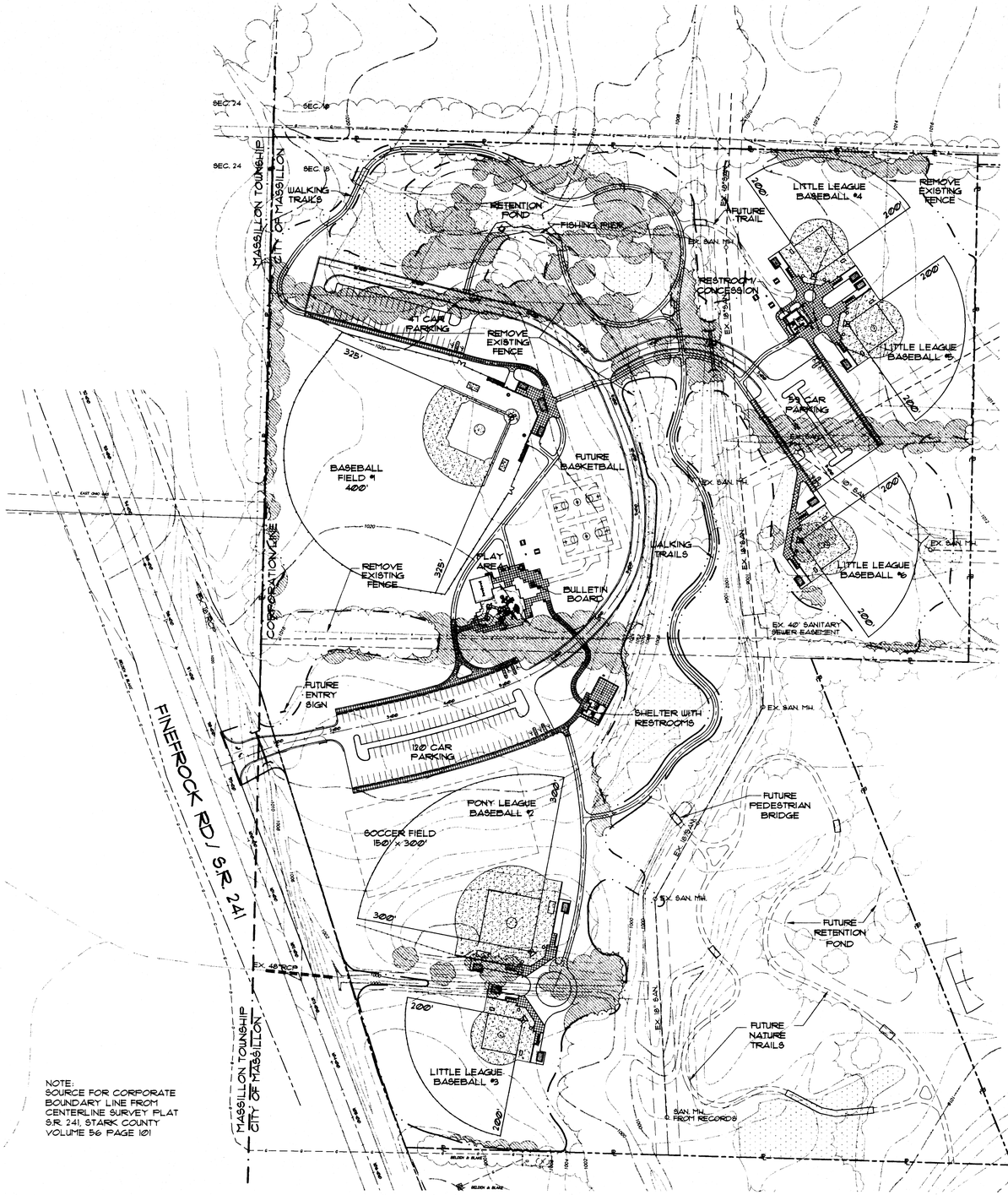
NORTHEAST OHIO NATURAL GAS CORP.
104 6TH STREET SW
CANTON, OH 44702

OHIO EDISON
STARK DIVISION
2600 S. ERIE ST.
MASSILLON, OH 44545

OHIO INTRASTATE GAS
TRANSMISSION CORP.
104 6TH ST. SW
CANTON, OH 44702

WORLDCOM NETWORK SERVICES (WILTEL)
PO BOX 21348
6929 N LAKEWOOD AVE.
TULSA, OK 74117

BELDEN & BLAKE
5200 STONEHAM ROAD
NORTH CANTON, OHIO 44720
330-497-5471 EXT 284



NOTE:
SOURCE FOR CORPORATE BOUNDARY LINE FROM CENTERLINE SURVEY PLAT SR 241, STARK COUNTY VOLUME 86 PAGE 101

GENERAL DEMOLITION NOTES

1.) COORDINATE DEMOLITION OR RELOCATION OF ALL EXISTING UTILITIES WITH UTILITY PLAN. REMOVE/ABANDON EXISTING UTILITIES/SERVICES/ SITE FEATURES AS REQUIRED.

2.) CONTRACTOR IS RESPONSIBLE FOR FIELD LOCATING ALL EXISTING UTILITIES WITHIN THE PROJECT AREA. EXISTING APPURTENANCES SUCH AS UTILITY POLES, ETC., ARE TO BE HELD BY THE CONTRACTOR DURING CONSTRUCTION. PROTECT UTILITIES AND APPURTENANCES AS SPECIFIED.

3.) CALL OHIO UTILITIES PROTECTION SERVICE BEFORE DIGGING (1-800-362-2764).

4.) PRIOR TO CONSTRUCTION, PLACE CONSTRUCTION FENCING AS SHOWN ON THE DRAWINGS AND AT THE DRIPLINE OF TREES AND WOODS TO REMAIN. DO NOT STORE VEHICLES, EQUIPMENT, OR MATERIALS WITHIN THE PROTECTED AREA. OBTAIN FIELD APPROVAL FROM THE OWNER, LANDSCAPE ARCHITECT, AND/OR AUTHORIZED OWNER REPRESENTATIVE PRIOR TO ANY TREE REMOVAL.

5.) WHERE EXISTING ASPHALT CONCRETE ABUTS PROPOSED ASPHALT CONCRETE, THE CONTRACTOR SHALL SAWCUT EDGES.

6.) CLEAR AND GRUB ALL AREAS WITHIN THE LIMIT OF WORK LINE SHOWN ON THE DRAWINGS. PROTECT DESIGNATED TREES TO REMAIN WITHIN THIS AREA.

7.) CONTRACTOR TO FIELD LOCATE EXISTING PRIVATE GAS LINES LOCATIONS AND DEPTHS PRIOR TO ANY CONSTRUCTION ANY DISCREPANCIES WITH THE PROPOSED PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE CITY OF MASSILLON AND THE LANDSCAPE ARCHITECT.

LEGEND

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- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- EX. MANHOLE
- PROPOSED FIRE HYDRANT
- CLAY INFIELD
- CONCRETE PAVEMENT
- WETLAND
- TREES TO BE CLEARED

N

0 100 200

GRAPHIC SCALE
(IN FEET)

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

FILE NO: DM01
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

DEMOLITION PLAN

CITY OF MASSILLON-S.R. 241 PARK SITE

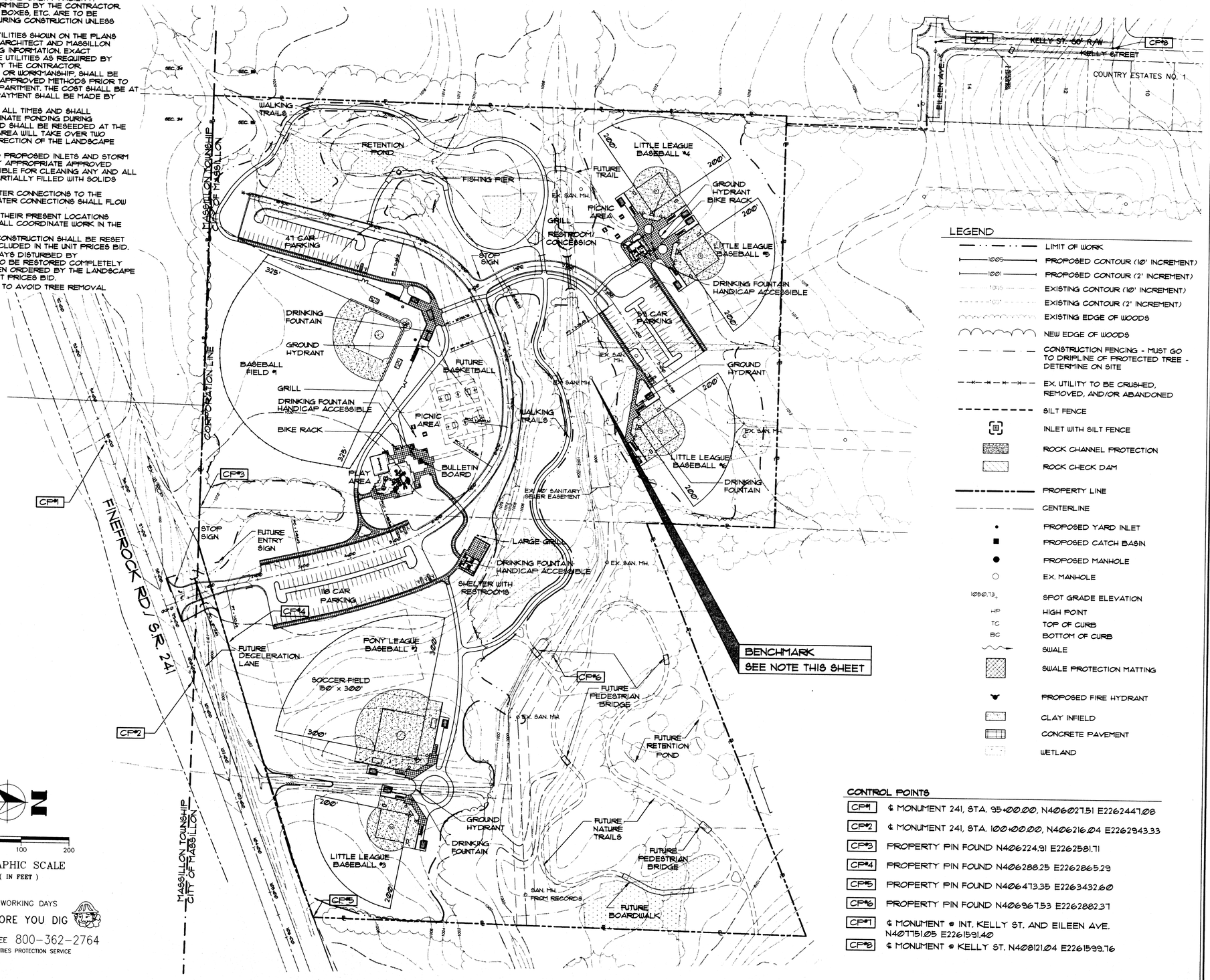
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SHEET:
2 OF 50

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GENERAL NOTES

1. CONTRACTOR SHALL BE LICENSED IN THE CITY OF MASSILLON AND THE TOWNSHIP.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS, PAYING ALL FEES, SCHEDULING AND OBTAINING ALL INSPECTIONS.
3. CALL OHIO UTILITIES PROTECTION SERVICES A MINIMUM OF 48 HOURS BEFORE DIGGING (1-800-362-2764).
4. AT LEAST TWO (2) WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN ANY AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY MASSILLON PARKS AND RECREATION DEPARTMENT, THE REGISTERED UTILITY PROTECTION SERVICE AND THE OWNERS OF EACH UNDERGROUND UTILITY FACILITY.
5. THE LOCATIONS OF ALL BURIED UTILITIES ARE TO BE DETERMINED BY THE CONTRACTOR. EXISTING APPURTENANCES SUCH AS UTILITY POLES, VALVE BOXES, ETC. ARE TO BE HELD OR OTHERWISE PROTECTED BY THE CONTRACTOR DURING CONSTRUCTION UNLESS OTHERWISE SHOWN OR SPECIFIED.
6. THE LOCATIONS OF ALL OF THE EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE DEPICTED TO THE BEST ABILITY OF THE LANDSCAPE ARCHITECT AND MASSILLON PARKS AND RECREATION DEPARTMENT BASED ON EXISTING INFORMATION. EXACT LOCATIONS SHALL BE OBTAINED FROM THE OWNERS OF THE UTILITIES AS REQUIRED BY SECTION 153.64 ORC AND BY VERIFICATION IN THE FIELD BY THE CONTRACTOR.
7. ANY DEFECTS IN THE CONSTRUCTION, INCLUDING MATERIALS OR WORKMANSHIP SHALL BE CORRECTED BY REMOVAL AND REPLACEMENT OR OTHER APPROVED METHODS PRIOR TO ACCEPTANCE BY MASSILLON PARKS AND RECREATION DEPARTMENT. THE COST SHALL BE AT THE EXPENSE OF THE CONTRACTOR AND NO ADDITIONAL PAYMENT SHALL BE MADE BY MASSILLON PARKS AND RECREATION DEPARTMENT.
8. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES AND SHALL BACKFILL AND GRADE EXCAVATED AREAS SO AS TO ELIMINATE PONDING DURING CONSTRUCTION. RESEEDING OF AREAS WITH WORK INSTALLED SHALL BE RESEEDED AT THE EARLIEST OPPORTUNITY. IF ADDITIONAL WORK IN A GIVEN AREA WILL TAKE OVER TWO WEEKS TO START, THE AREA WILL BE RESEEDED AT THE DIRECTION OF THE LANDSCAPE ARCHITECT BY THE GENERAL CONTRACTOR.
9. THE GENERAL CONTRACTOR SHALL PROTECT EXISTING AND PROPOSED INLETS AND STORM SEWERS DURING CONSTRUCTION FROM SOIL AND DEBRIS BY APPROPRIATE APPROVED METHODS. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING ANY AND ALL STORM SEWERS OR CULVERTS THAT BECOME FILLED OR PARTIALLY FILLED WITH SOLIDS DUE TO THIS CONTRACT WORK.
10. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED. ALL CLEAN WATER CONNECTIONS SHALL FLOW TO THE STORM WATER COLLECTION SYSTEM.
11. EXISTING GAS LINES ARE TO BE HELD AND PROTECTED AT THEIR PRESENT LOCATIONS AT ALL TIMES BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WORK IN THE AREA OF THE GAS LINES WITH THE UTILITY OWNER.
12. ALL PROPERTY PINS DISTURBED DURING THE COURSE OF CONSTRUCTION SHALL BE RESET AT THE CORRECT LOCATION. COST OF THIS WORK TO BE INCLUDED IN THE UNIT PRICES BID.
13. ALL ROAD SURFACES, BERMS, LAWN AREAS OR RIGHT OF WAYS DISTURBED BY CONSTRUCTION OF ANY PART OF THIS IMPROVEMENT ARE TO BE RESTORED COMPLETELY TO THE BEFORE CONSTRUCTION CONDITION OR BETTER WHEN ORDERED BY THE LANDSCAPE ARCHITECT AND ALL ITEMS SHALL BE INCLUDED IN THE UNIT PRICES BID.
14. LANDSCAPE ARCHITECT TO FIELD ADJUST TRAIL LOCATION TO AVOID TREE REMOVAL AND OTHER SITE FEATURES TO BE PRESERVED.



LEGEND

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- BC BOTTOM OF CURB
- SWALE
- SWALE PROTECTION MATTING
- PROPOSED FIRE HYDRANT
- CLAY INFIELD
- CONCRETE PAVEMENT
- WETLAND

CONTROL POINTS

CP#1	℄ MONUMENT 241, STA. 95+00.00, N406027.51 E2262447.08
CP#2	℄ MONUMENT 241, STA. 100+00.00, N406216.04 E2262943.33
CP#3	PROPERTY PIN FOUND N406224.91 E2262581.71
CP#4	PROPERTY PIN FOUND N406288.25 E2262865.29
CP#5	PROPERTY PIN FOUND N406473.35 E2263432.60
CP#6	PROPERTY PIN FOUND N406967.53 E2262882.37
CP#7	℄ MONUMENT @ INT. KELLY ST. AND EILEEN AVE. N407751.05 E2261591.40
CP#8	℄ MONUMENT @ KELLY ST. N408121.04 E2261599.76

BENCHMARK
EX. SANITARY MANHOLE
(TOP OF CASTING-RIM)
N 407039.63
E 2262301.05
ELEVATION 1009.85

N

0 100 200
GRAPHIC SCALE
(IN FEET)

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

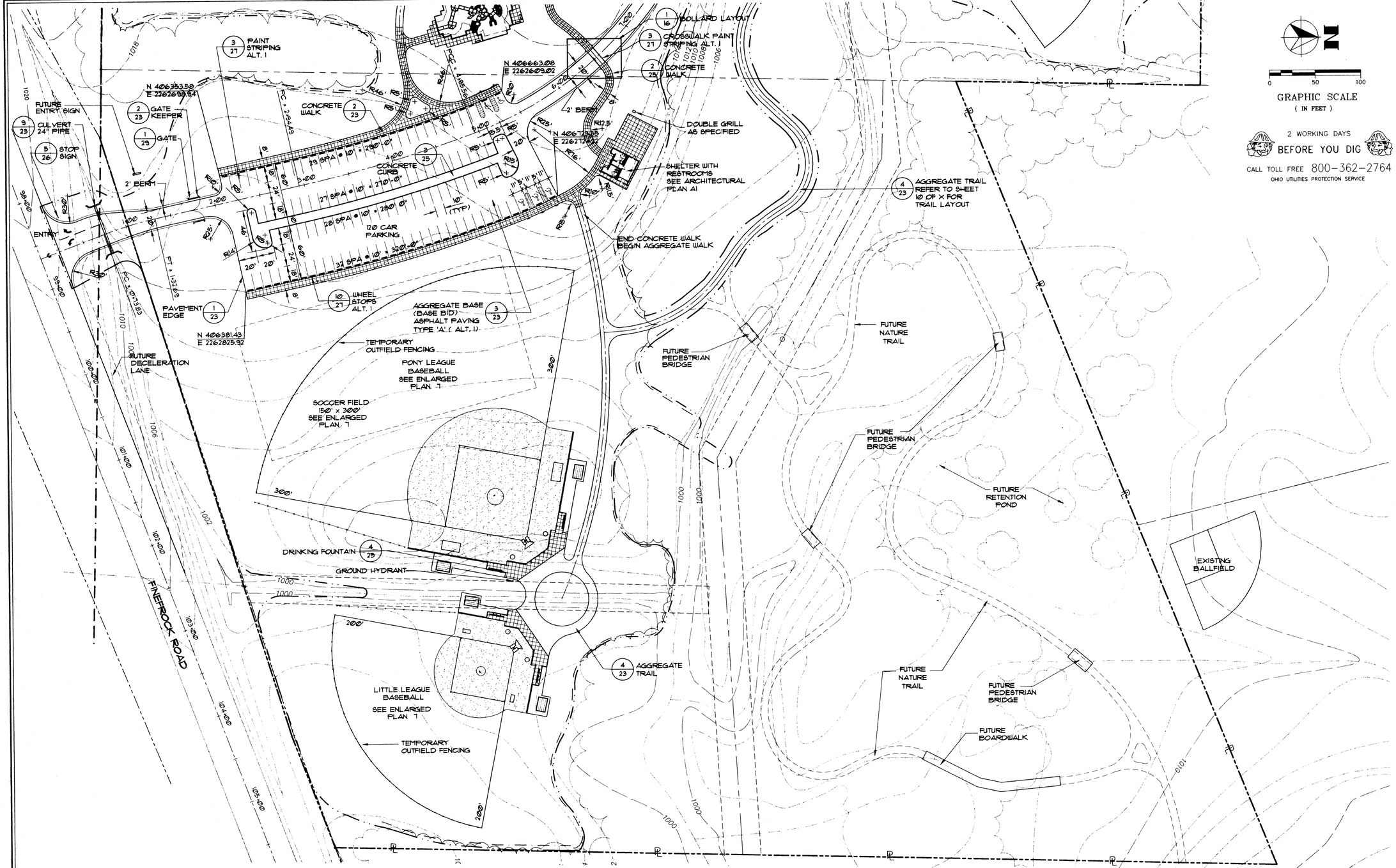
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SCALE: 1"=100'
FILE NO: GP01
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

GENERAL LAYOUT PLAN
CITY OF MASSILLON-S.R. 241 PARK SITE

EDG ENVIRONMENTAL DESIGN GROUP
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SHEET:
3 OF 50

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GRAPHIC SCALE
(IN FEET)
0 50 100

2 WORKING DAYS
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PROJ. NO:	438901
SCALE:	1"=50'
FILE NO:	LA01
DRAWN BY:	DRG, SVE, HAH
CHKD. BY:	DJM, JLC
DATE ISSUED:	7-27-98
REVISED:	

PARKING LAYOUT PLAN

CITY OF MASSILLON-S.R. 241 PARK SITE

LEGEND

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- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- EX. MANHOLE
- PROPOSED FIRE HYDRANT

LAYOUT NOTES

1.) CONTRACTOR IS OBLIGATED TO VERIFY ALL DIMENSIONS ON THE GROUND AND REPORT ANY LAYOUT DISCREPANCIES IMMEDIATELY TO THE CLIENT.

2.) PRECISE LAYOUT SHALL BE DETERMINED ON THE GROUND AND APPROVED BY THE CLIENT.

3.) BENCHMARK, POINT OF BEGINNING, AND CONTROL POINTS ARE SHOWN ON SHEET X. LAYOUT FROM THESE REFERENCE POINT ARE THE RESPONSIBILITY OF THE CONTRACTOR. COORDINATES SHOWN ARE TIED TO FIELD LOCATED REFERENCE POINTS.

4.) ± INDICATES APPROXIMATE DIMENSIONS.

5.) REFER TO UTILITY DRAWINGS FOR UTILITY LAYOUT INFORMATION.

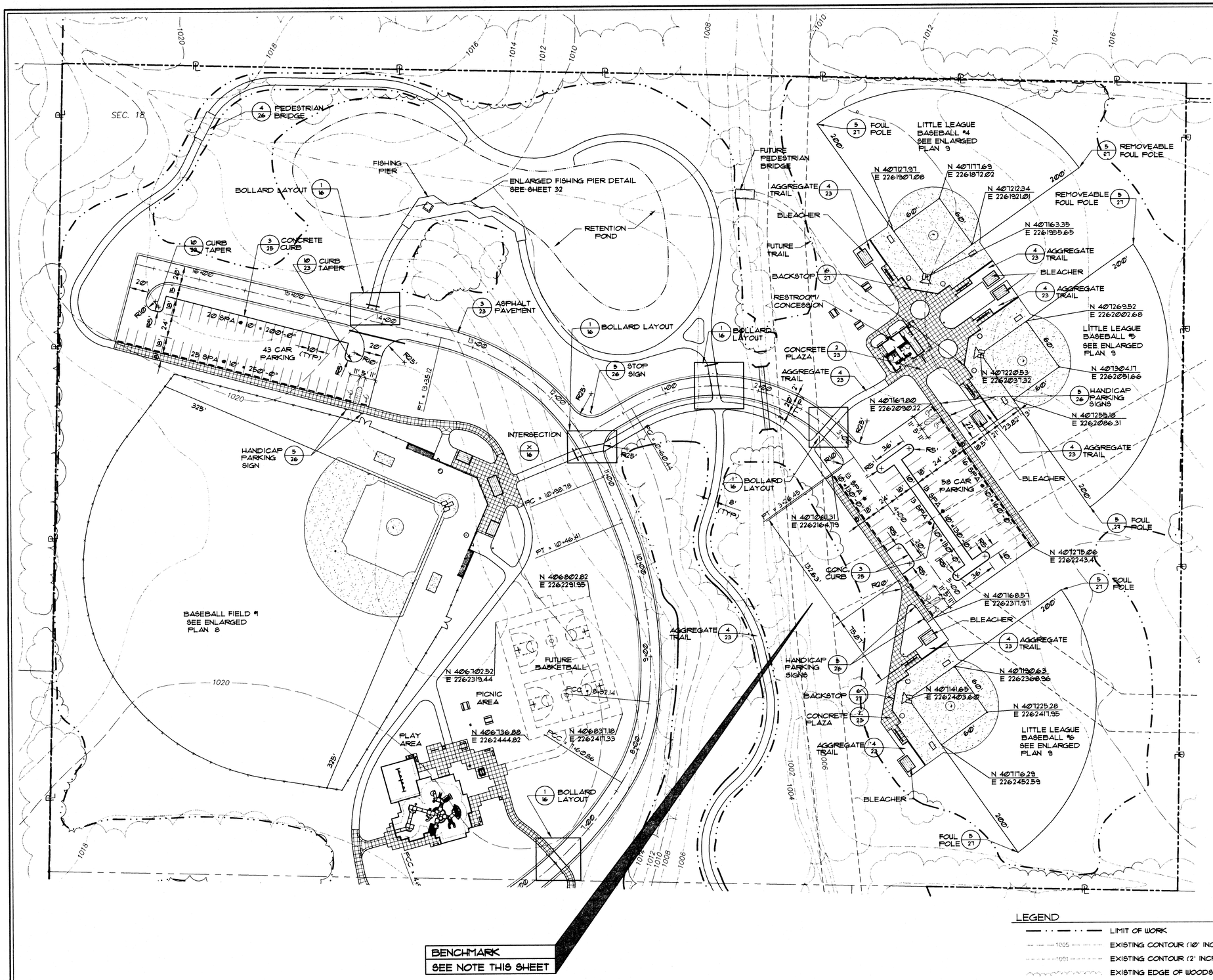
6.) DO NOT SCALE FROM THIS DRAWING. ALL WRITTEN DIMENSIONS SHALL GOVERN. ALL ANGLES ARE 90° UNLESS OTHERWISE NOTED. DIMENSIONS ARE TO FACE OF CURB AND FACE OF BUILDING.

7.) LANDSCAPE ARCHITECT TO FIELD ADJUST TRAIL LOCATION TO AVOID TREE REMOVAL AND OTHER SITE FEATURES TO BE PRESERVED.

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SHEET: 4 OF 50

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LEGEND

- LIMIT OF WORK
- EXISTING CONTOUR (10' INCREMENT)
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- EX. MANHOLE
- PROPOSED FIRE HYDRANT

GRAPHIC SCALE
(IN FEET)
0 50 100

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

BENCHMARK
EX. SANITARY MANHOLE
(TOP OF CASTING-RIM)
N 407039.63
E 2262301.05
ELEVATION 1009.85

PROJ. NO: 436901
SCALE: 1"=50'
FILE NO: LA02
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

PARKING LAYOUT PLAN

CITY OF MASSILLON-S.R. 241 PARK SITE

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SHEET: 5 OF 50

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ALTERNATE #

PICNIC TABLES AS SPECIFIED

GRILL AS SPECIFIED

FUTURE BASKETBALL COURT

AGGREGATE TRAIL (4/23)

LAWN

TRASH RECEPTACLE (3/26)

RIBBON BIKE RACK

ACCESSIBLE PICNIC TABLE

BENCHES

EXPANSION JOINT (2/25)

CONCRETE WALK (2/30)

DRINKING FOUNTAIN (2/30)

BULLETIN BOARD (6/28)

CONTROL JOINT (2/30)

PLAY MULCH

INTEGRAL CONCRETE CURB & WALK (2/30)

FALL ZONE

LANDSCAPE AREA

CONCRETE WALK (2/25)

TRASH RECEPTACLE (3/26)

4" PERFORATED UNDERDRAINAGE (TYP.)

AGGREGATE TRAIL (4/23)

PLAY EQUIPMENT (5/30)

CONCRETE VERTICAL CURB (1/30)

PLAY MULCH

SAFETY MATTING (4/30)

6" SOLID PVC (TYP.)

GAS LINE PROTECTION

FUTURE WALK

LAWN

CONCRETE WALK (2/25)

WOOD BOLLARD (7/28)

PAINTED CROSSWALK AS SPECIFIED

GAS LINE PROTECTION

REMOVABLE BOLLARD (4/28)

WOOD BOLLARD (7/28)

N 406678.09
E 2262453.90

N 406613.43
E 2262470.91

N 406685.36
E 2262478.42

N 406687.83
E 2262481.36

N 406594.95
E 2262475.11

N 406621.59
E 2262486.24

N 406621.50
E 2262499.02

N 406635.39
E 2262506.23

N 406609.70
E 2262512.82

N 406660.85
E 2262561.34

N 406717.09
E 2262505.42

0 10 20

GRAPHIC SCALE
(IN FEET)

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

LAYOUT NOTES

1. CONTRACTOR TO PROVIDE SMOOTH TRANSITION FROM CONCRETE PAVEMENT TO HANDICAP RAMP ACCESS TO PLAY STRUCTURE.

LEGEND

- LIMIT OF WORK
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- EX. MANHOLE
- PROPOSED FIRE HYDRANT

PROJ. NO: 436901
SCALE: 1"=10'
FILE NO: LA03
DRAWN BY: DRG
CHKD. BY: DJM
DATE ISSUED: 7-17-98
REVISED:

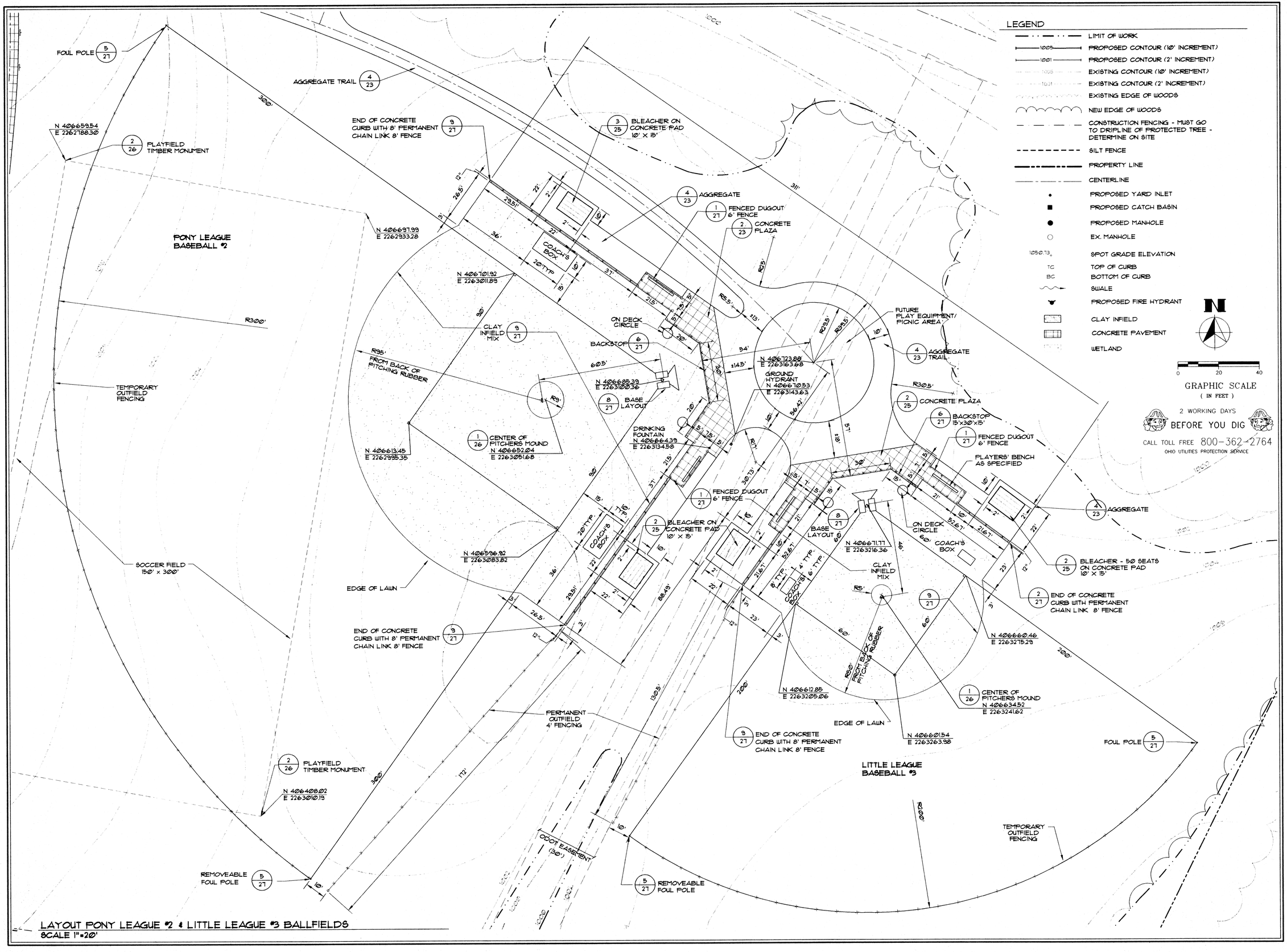
PLAYGROUND LAYOUT

CITY OF MASSILLON-S.R. 241 PARK SITE

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SHEET: 6 OF XX

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LAYOUT PONY LEAGUE #2 & LITTLE LEAGUE #3 BALLFIELDS
SCALE 1"=20'

PROJ. NO: 436901
SCALE: 1"=20'
FILE NO: LA04
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

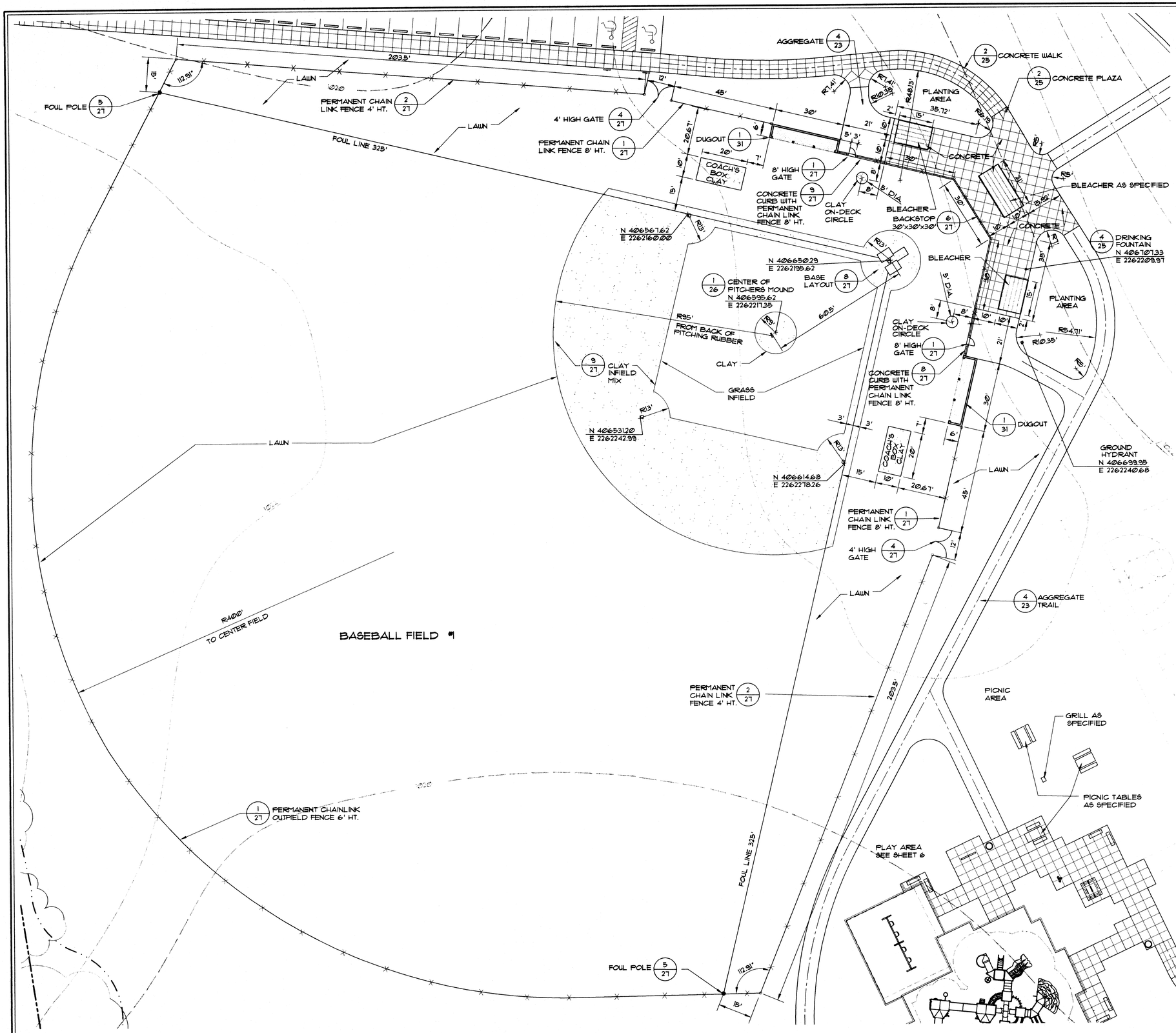
PONY #2 & LITTLE #3 LEAGUE FIELD LAYOUT

CITY OF MASSILLON-S.R. 241 PARK SITE

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SHEET: 7 OF 50

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LAYOUT BASEBALL FIELD #1
SCALE 1"=20'

0 20 40
GRAPHIC SCALE
(IN FEET)

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

LEGEND

- LIMIT OF WORK
- PROPOSED CONTOUR (10' INCREMENT)
- PROPOSED CONTOUR (2' INCREMENT)
- EXISTING CONTOUR (10' INCREMENT)
- EXISTING CONTOUR (2' INCREMENT)
- EXISTING EDGE OF WOODS
- NEW EDGE OF WOODS
- CONSTRUCTION FENCING - MUST GO TO DRIPLINE OF PROTECTED TREE - DETERMINE ON SITE
- ROCK CHANNEL PROTECTION
- ROCK CHECK DAM
- PROPERTY LINE
- CENTERLINE
- PROPOSED YARD INLET
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- EX. MANHOLE
- PROPOSED FIRE HYDRANT
- CLAY INFIELD
- CONCRETE PAVEMENT
- WETLAND

PROJ. NO:	436901
SCALE:	1"=20'
FILE NO:	LA05
DRAWN BY:	DRG SVE HAH
CHKD. BY:	DJM JLC
DATE ISSUED:	7-27-98
REVISED:	

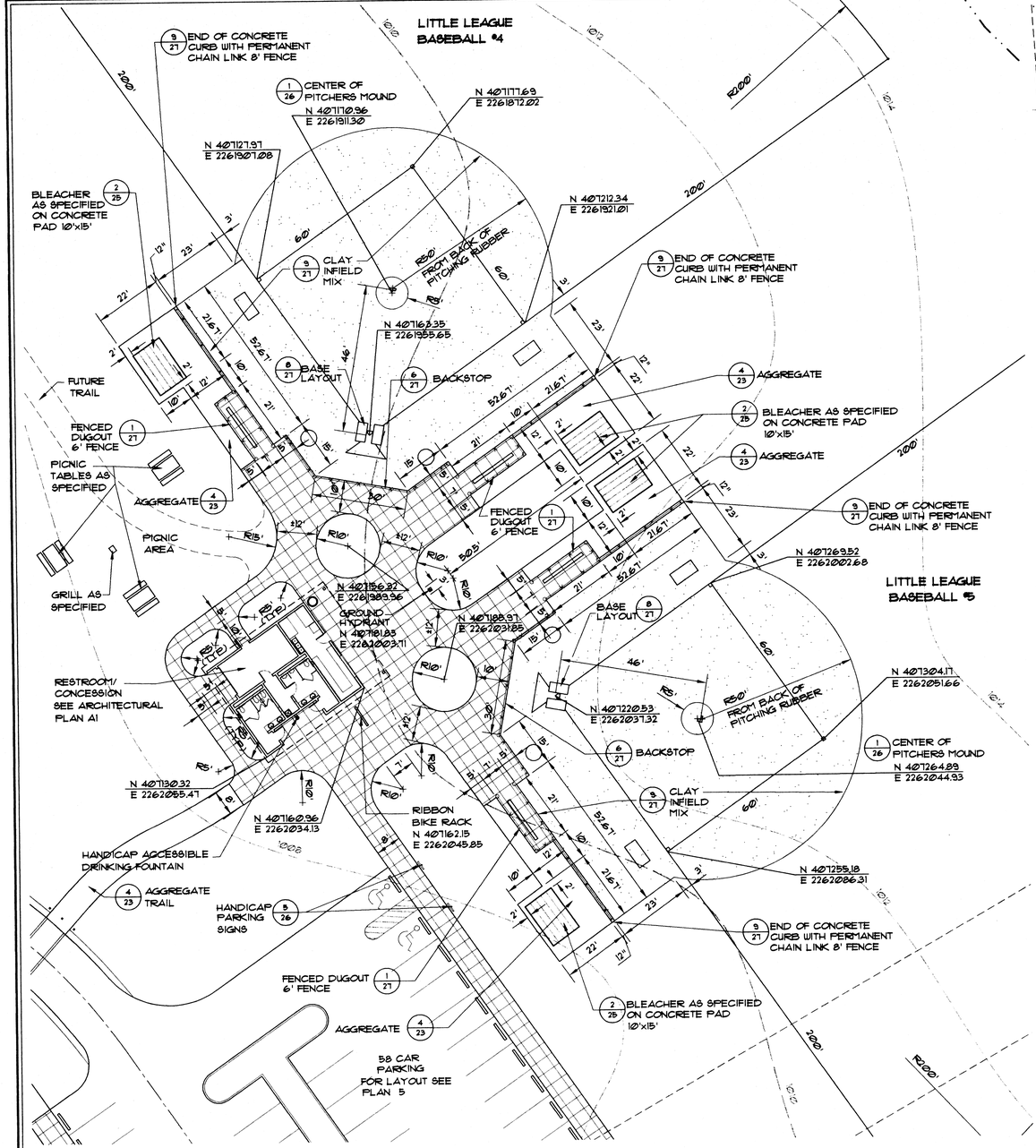
BASEBALL FIELD LAYOUT #1

CITY OF MASSILLON-S.R. 241 PARK SITE

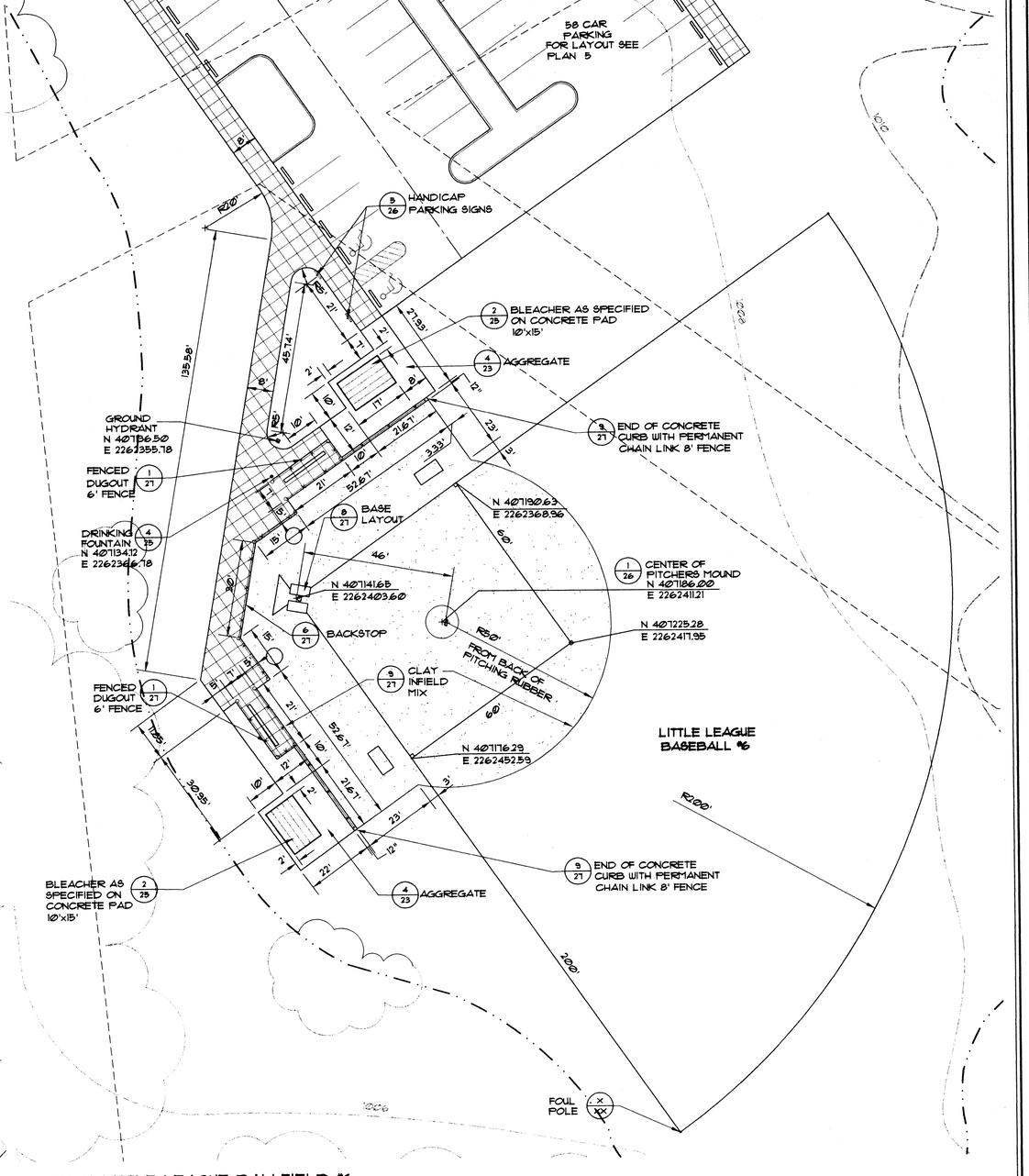
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LAYOUT LITTLE LEAGUE BALLFIELD #4 & #5
SCALE 1"=20'



LAYOUT LITTLE LEAGUE BALLFIELD #6
SCALE 1"=20'

LEGEND

- LIMIT OF WORK
- PROPOSED CONTOUR (10' INCREMENT)
- PROPOSED CONTOUR (2' INCREMENT)
- EXISTING CONTOUR (10' INCREMENT)
- EXISTING CONTOUR (2' INCREMENT)
- EXISTING EDGE OF WOODS
- NEW EDGE OF WOODS
- CONSTRUCTION FENCING - MUST GO TO DRIPLINE OF PROTECTED TREE - DETERMINE ON SITE
- SILT FENCE
- PROPERTY LINE
- CENTERLINE
- PROPOSED YARD INLET
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- EX. MANHOLE
- PROPOSED FIRE HYDRANT
- CLAY INFIELD
- CONCRETE PAVEMENT
- WETLAND

BENCHMARK
EX. SANITARY MANHOLE
(TOP OF CASTING-RIM)
N 407039.63
E 226230.105
ELEVATION 1009.85

GRAPHIC SCALE
(IN FEET)
0 20 40

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

PROJ. NO:	436901
SCALE:	1"=20'
FILE NO:	LA06
DRAWN BY:	DRG, SVE, HAH
CHKD. BY:	DJM, JLC
DATE ISSUED:	7-27-98
REVISED:	

LITTLE LEAGUE FIELD #4, #5 & #6 LAYOUT PLAN
CITY OF MASSILLON-SR. 241 PARK SITE

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SHEET: 9 OF 50

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LEGEND

- LIMIT OF WORK
- 1005 EXISTING CONTOUR (10' INCREMENT)
- 1001 EXISTING CONTOUR (2' INCREMENT)
- EXISTING EDGE OF WOODS
- NEW EDGE OF WOODS
- ROCK CHANNEL PROTECTION
- ROCK CHECK DAM
- PROPERTY LINE
- CENTERLINE
- PROPOSED YARD INLET
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- EX. MANHOLE
- PROPOSED FIRE HYDRANT

BENCHMARK
EX. SANITARY MANHOLE
(TOP OF CASTING-RIM)
N 4071039.63
E 2262301.05
ELEVATION 1009.85

N

0 50 100
GRAPHIC SCALE
(IN FEET)

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

LITTLE LEAGUE BASEBALL #4
RESTROOM/ CONCESSION
FUTURE TRAIL
AGGREGATE TRAIL 4/29
FUTURE PEDESTRIAN BRIDGE
FUTURE NATURE TRAILS
SHELTER WITH RESTROOMS
FUTURE BASKETBALL
PICNIC AREA
PLAY AREA
RETENTION POND
FISHING PIER
41 CAR PARKING
120 CAR PARKING
BASEBALL FIELD #1
PONY LEAGUE BASEBALL #2
SOCCER FIELD 150' x 300'
SEC. 18

STA: 12+40.00 OFFSET: 245.47 R
STA: 12+60.00 OFFSET: 251.30 R
STA: 12+80.00 OFFSET: 226.51 R
STA: 13+00.01 OFFSET: 202.11 R
STA: 13+20.00 OFFSET: 185.58 R
STA: 13+40.00 OFFSET: 199.95 R
STA: 13+60.00 OFFSET: 206.66 R
STA: 13+80.00 OFFSET: 207.27 R
STA: 14+00.00 OFFSET: 216.66 R
STA: 14+20.00 OFFSET: 219.11 R
STA: 14+40.00 OFFSET: 202.43 R
STA: 15+20.00 OFFSET: 175.61 R
STA: 12+20.00 OFFSET: 217.89 R
STA: 12+00.00 OFFSET: 179.40 R
STA: 12+20.00 OFFSET: 129.71 R
STA: 12+40.00 OFFSET: 110.82 R
STA: 12+40.00 OFFSET: 111.77 R
STA: 12+60.00 OFFSET: 118.01 R
STA: 12+80.00 OFFSET: 131.13 R
STA: 13+00.00 OFFSET: 139.14 R
STA: 13+20.00 OFFSET: 138.65 R
STA: 13+40.00 OFFSET: 142.44 R
STA: 13+60.00 OFFSET: 139.55 R
STA: 13+80.00 OFFSET: 133.66 R
STA: 14+00.00 OFFSET: 124.41 R
STA: 14+20.00 OFFSET: 112.83 R
STA: 14+40.00 OFFSET: 104.97 R
STA: 14+60.00 OFFSET: 100.42 R
STA: 14+80.00 OFFSET: 98.90 R
STA: 15+00.00 OFFSET: 101.95 R
STA: 15+20.00 OFFSET: 116.73 R
STA: 14+80.00 OFFSET: 208.84 R
STA: 15+00.00 OFFSET: 195.72 R

PC = 0+00.44
PT = 13+35.12
PCC = 1+00.38
PCC = 4+85.56
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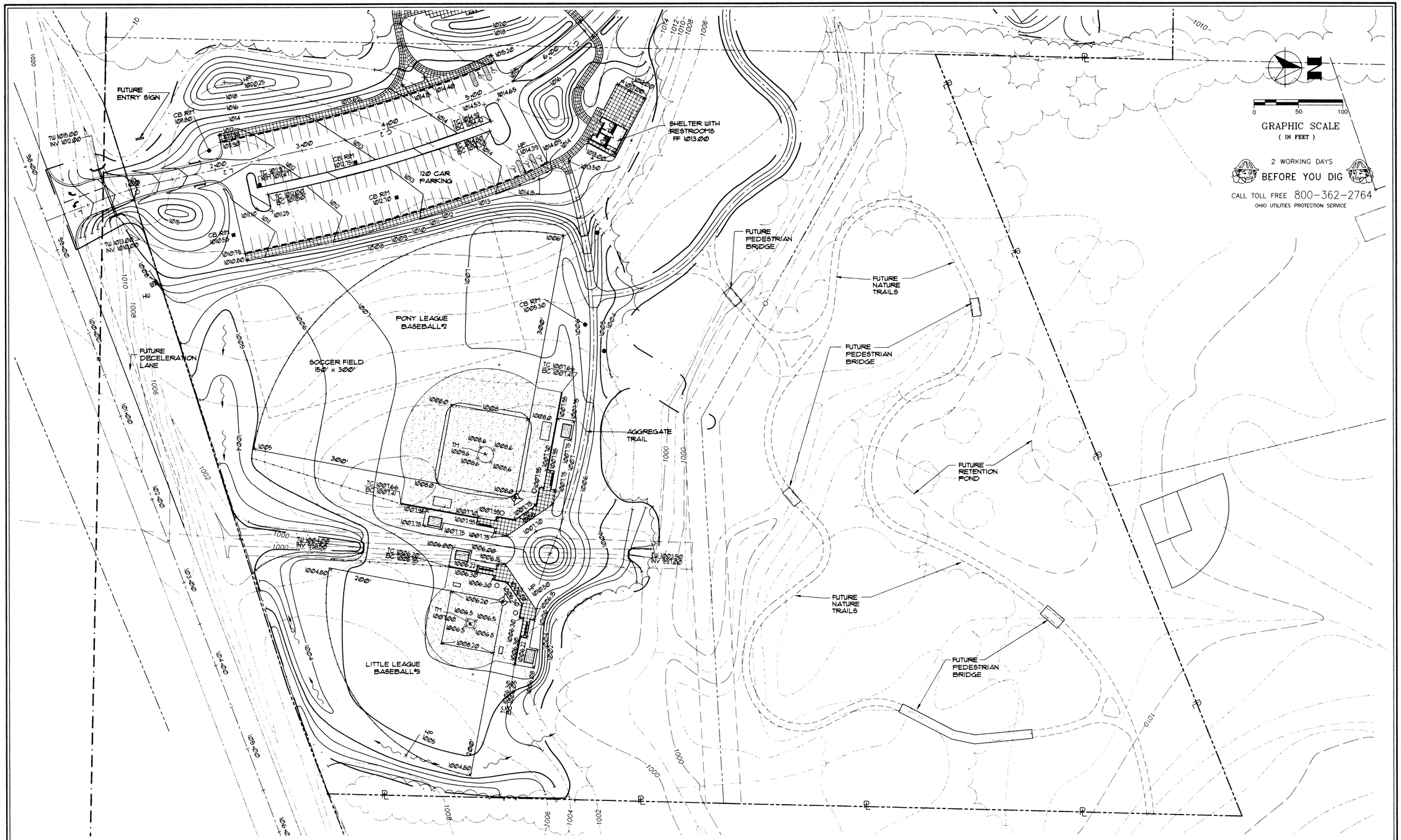
TRAIL & POND LAYOUT PLAN
CITY OF MASSILLON-S.R. 241 PARK SITE

PROJ. NO:	438901
SCALE:	1"=50'
FILE NO:	LA07
DRAWN BY:	DRG, SVE, HAH
CHKD. BY:	DJM, JLC
DATE ISSUED:	7-27-98
REVISED:	

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10 OF 50

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GRADING NOTES

- MAINTAIN UNIFORM AND POSITIVE SLOPES FOR ALL REGRADED SURFACES.
- LANDSCAPE ARCHITECT TO APPROVE ROUGH-GRADING PRIOR TO FINISH-GRADING AND TO APPROVE FINISH-GRADING OF SOIL SURFACE AREAS PRIOR TO SEEDING.
- SEE DEMOLITION PLAN FOR NOTE(S) ON PROTECTION OF TREES.
- SEE LAYOUT PLAN FOR COMPLETE DESCRIPTION OF SITEWORK ALTERNATES.
- SEED ALL DISTURBED AREAS WITH SEED TYPE 'A' - SEE PLANTING PLAN FOR DESIGNATIONS.
- DISTURBED AREAS SHALL HAVE SOIL STABILIZATION APPLIED WITHIN SEVEN (7) DAYS IF THEY ARE TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN FORTY-FIVE (45) DAYS. FOR AREAS WITHIN FIFTY (50) FEET OF ANY LIVE WATER BODY, SOIL STABILIZATION PRACTICES SHALL BE INITIATED WITHIN TWO (2) DAYS ON ALL INACTIVE, DISTURBED AREAS. PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. WHEN SEASONAL CONDITIONS PROHIBIT THE APPLICATION OF TEMPORARY OR PERMANENT SEEDING, NON-VEGETATIVE SOIL STABILIZATION PRACTICES SUCH AS MULCHING AND MATTING SHALL BE USED.

BENCHMARK

EX. SANITARY MANHOLE
N 40703963
E 2262301.05
ELEVATION 1009.85

LEGEND

- LIMIT OF WORK
- 1005 PROPOSED CONTOUR (10' INCREMENT)
- 1001 PROPOSED CONTOUR (2' INCREMENT)
- 1005 EXISTING CONTOUR (10' INCREMENT)
- 1001 EXISTING CONTOUR (2' INCREMENT)
- CONSTRUCTION FENCING - MUST GO TO DRIPLINE OF PROTECTED TREE - DETERMINE ON SITE
- PROPERTY LINE
- PROPOSED FIRE HYDRANT
- PROPOSED YARD INLET
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- EX. MANHOLE
- 1050.73 SPOT GRADE ELEVATION
- HP HIGH POINT
- TC TOP OF CURB
- BC BOTTOM OF CURB
- SWALE

PROJ. NO:	436901
SCALE:	1"=50'
FILE NO:	GR01
DRAWN BY:	DRG, SVE
CHKD. BY:	DJM, JLC
DATE ISSUED:	7-27-98
REVISED:	

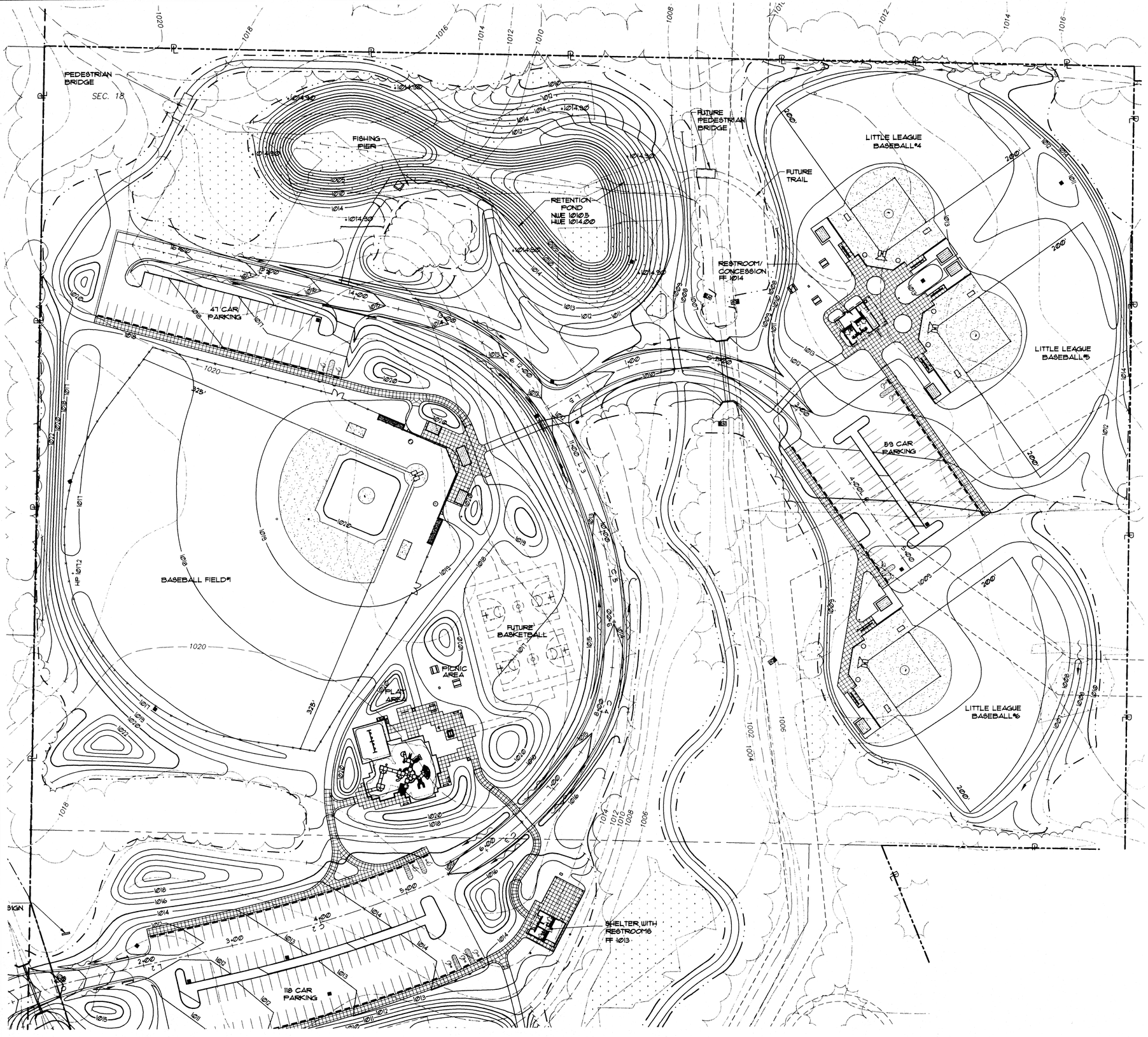
GRADING PLAN

CITY OF MASSILLON-S.R. 241 PARK SITE

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0 50 100

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LEGEND

- LIMIT OF WORK
- PROPERTY LINE
- 1005 PROPOSED CONTOUR (10' INCREMENT)
- 1001 PROPOSED CONTOUR (2' INCREMENT)
- 1005 EXISTING CONTOUR (10' INCREMENT)
- 1001 EXISTING CONTOUR (2' INCREMENT)
- CONSTRUCTION FENCING - MUST GO TO DRIPLINE OF PROTECTED TREE - DETERMINE ON SITE
- PROPOSED FIRE HYDRANT
- PROPOSED YARD INLET
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- EX. MANHOLE
- 1050.73+ SPOT GRADE ELEVATION
- HP HIGH POINT
- TC TOP OF CURB
- BC BOTTOM OF CURB
- SWALE

BENCHMARK

EX. SANITARY MANHOLE
N 407039.63
E 2262301.05
ELEVATION 1009.85

PROJ. NO: 436901
SCALE: 1"=50'
FILE NO: GR02
DRAWN BY: DRG, SVE
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

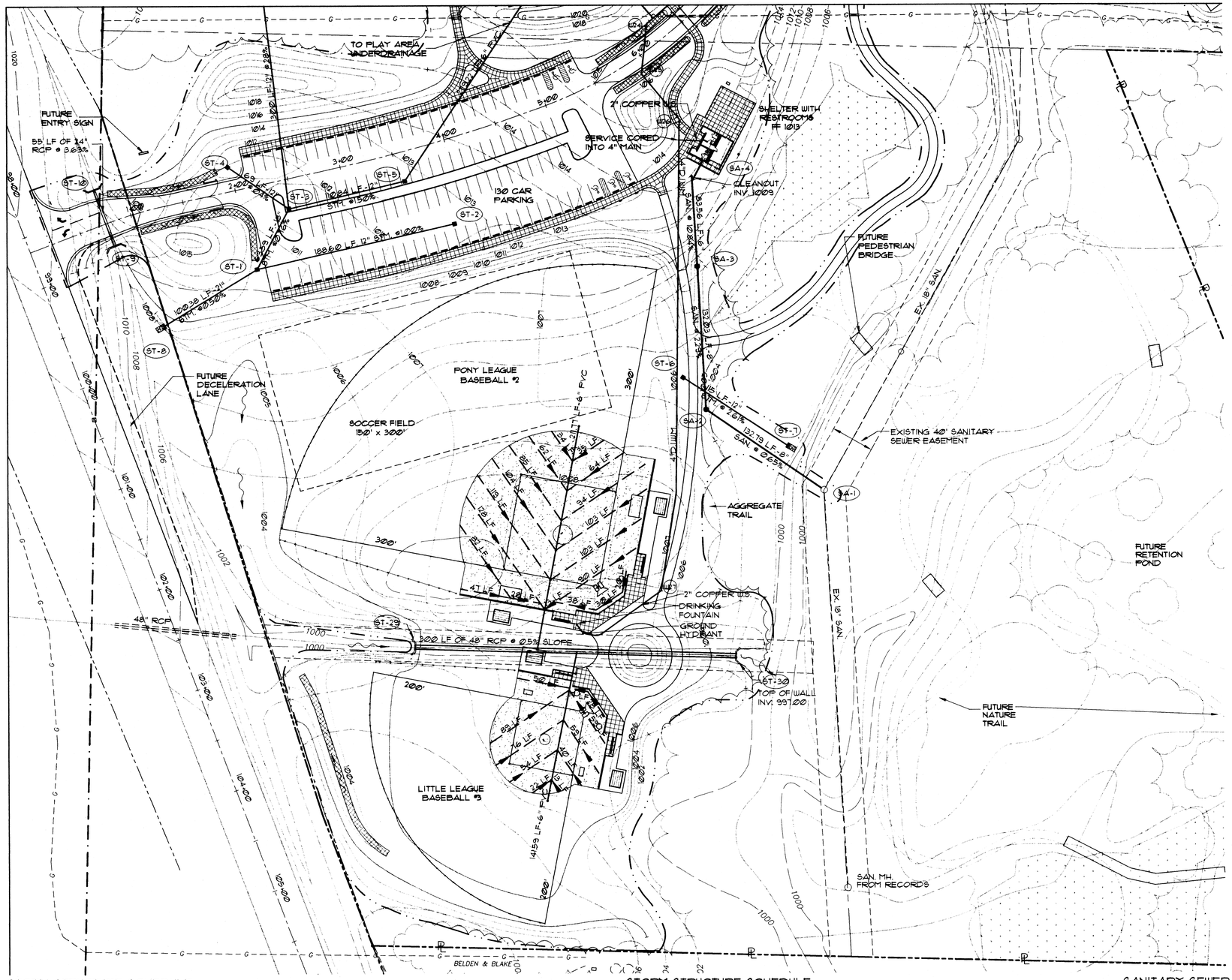
GRADING PLAN

CITY OF MASSILLON-S.R. 241 PARK SITE

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12 OF 50

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BENCHMARK
EX. SANITARY MANHOLE
(TOP OF CASTING-RIM)
N 407039.63
E 2262301.05
ELEVATION 1009.85

0 50 100
GRAPHIC SCALE
(IN FEET)

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

GENERAL NOTES

1. ALL DISTURBED AND/OR DAMAGED STORM SEWER PIPES AND APPURTENANCES, PAVEMENTS, BERMS AND DITCHES SHALL BE REPAIRED AND/OR REPLACED.
2. SITE UTILITY CONTRACTOR SHALL INSTALL HIS WORK TO WITHIN 5' OF BUILDING WALL UNLESS OTHERWISE NOTED. MARKING HIS LINE AT THE SURFACE WITH TIMBER OR AS APPROVED BY CITY.
3. CONNECT UNDER DRAIN PIPE TO STORM SEWER PIPE USING KOR-N-TEE CONNECTION FOR RCP. USE WYES OR TEES FOR PVC & PE PIPE.
4. CONTRACTOR IS RESPONSIBLE TO FIELD LOCATE ALL EXISTING UNDERGROUND UTILITIES AND PROTECT FROM DAMAGE OR RELOCATE AS REQUIRED. CONTRACTOR SHALL REPAIR ANY DAMAGE AT NO COST TO THE PROJECT.

WATERLINE NOTES

1. MUST MAINTAIN 12" MINIMUM VERTICAL CLEARANCE FROM EDGE OF ALL WATER MAIN PIPE TO EDGE OF ALL PROPOSED STORM SEWERS AND/OR INLET LEAD PIPE WHERE THEY CROSS. DEFLECT WATER MAIN PIPE TO CROSS UNDER THE STORM SEWER PIPE.
2. A 4' MINIMUM HORIZONTAL CLEARANCE MUST BE MAINTAINED FROM EDGE OF WATER MAIN PIPE TO THE EDGE OF THE STORM SEWER PIPE.
3. MUST MAINTAIN A 10' MINIMUM HORIZONTAL CLEARANCE FROM EDGE OF WATER MAIN PIPE TO EDGE OF ANY SANITARY SEWER.
4. MUST MAINTAIN AN 18" MINIMUM VERTICAL CLEARANCE FROM EDGE OF ALL WATER MAIN PIPE TO EDGE OF ANY SANITARY SEWER PIPE WHERE THEY CROSS.
5. FOR ALL PROPOSED TRENCHES LOCATED UNDER AN EXISTING OR PROPOSED PAVEMENT AND WHEN THE NEAREST EDGE OF THE PROPOSED TRENCH IS WITHIN THREE (3) FEET, THE TRENCH SHALL BE FILLED WITH COMPACTED GRANULAR MATERIAL. TRENCH EDGES LOCATED FARTHER THAN THREE (3) FEET FROM THE EDGE OF PAVEMENT SHALL BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL TO AT LEAST THE 1:1 SLOPE LINE AS MEASURED FROM THE EDGE OF PAVEMENT. THE METHOD OF BACKFILLING SHALL BE AS DESCRIBED IN THE SPECIFICATIONS.
6. PROPOSED WATER MAIN SHALL BE INSTALLED WITH A STANDARD 5'-0" COVER (EXISTING OR PROPOSED GROUND TO TOP OF WATER MAIN) EXCEPT AS NOTED ON THE UTILITY PLAN.

SANITARY SEWER & APPURTENANCES NOTES

1. ALL SANITARY SEWERS AND APPURTENANCES SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH CURRENT STANDARDS AND SPECIFICATIONS OF THE OHIO BUILDING CODE.
2. ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER ARE PROHIBITED.
3. ALL SANITARY SEWERS SHALL PASS THE AIR ACCEPTANCE TEST PRIOR TO ACCEPTANCE.
4. SANITARY SEWER MATERIALS SHALL CONFORM TO OHIO - E.P.A. STANDARDS.
5. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGE TO THE EXISTING SEWERAGE SYSTEM RESULTING FROM NON-CONFORMANCE WITH STANDARDS OR GENERAL NEGLIGENCE.
6. THE CONTRACTOR MUST ALERT THE UTILITIES PROTECTION SERVICE (800-362-2764) 48 HOURS BEFORE ANY EXCAVATION HAS BEGUN.
7. SANITARY SEWER MATERIALS SHALL CONSIST OF SCHEDULE 40 PVC PIPE MEETING ASTM D-1785 OR D-3034. PIPE JOINTS SHALL CONFORM TO ASTM D-3212.
8. ALL ROUGH GRADING (WITHIN 6 INCHES OF FINISHED GRADE) SHALL BE COMPLETED WITHIN THE RIGHT-OF-WAY PRIOR TO SANITARY SEWER CONSTRUCTION.
9. ALL UNDERGROUND LINES ENCOUNTERED BY CONSTRUCTION OF THE SANITARY SYSTEM ARE TO BE COMPLETELY RESTORED AT THE EXPENSE OF THE CONTRACTOR.
10. COST OF WYES AND STUBS TO BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF SANITARY SEWER.
11. COST OF SHEETING OR DEWATERING NECESSARY FOR INSTALLATION OF SANITARY SEWERS OR FORCEMAINS SHALL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF RESPECTIVE ITEM. (ALSO ANY FOUNDATION SLAG REQUIRED)
12. ALL SEWER LINE CONSTRUCTION SHALL BE INSPECTED BY THE CITY OF MASSILLON. NOTIFY THE CITY 48 HOURS PRIOR TO BEGINNING SEWER LINE CONSTRUCTION.

STORM STRUCTURE SCHEDULE

MARK	TYPE	NORTHING	EASTING	RIM	INVERT	INVERT	INVERT	INVERT	REMARKS
ST1	ODOT CB 2-3	406368.38	2261804.25	1010.55	1007.60 (18"NW)	1008.10 (12"N)	1007.40 (21"SE)		
ST2	ODOT CB 2-2-B	406552.29	2262762.45	1012.70	1009.98 (12"S)				
ST3	ODOT CB 2-2-B	406398.11	2262748.04	1011.47	1008.65 (12"W)	1008.65 (12"N)	1008.65 (12"SW)	1008.15 (18"SE)	
ST4	ODOT CB 2-2-B	406341.05	2262709.24	1011.50	1008.99 (12"NE)				
ST5	ODOT CB 2-2-B	406505.99	2262722.60	1012.75	1010.30 (12"S)	1010.80 (6"NW)			
ST6	ODOT CB 2-2-B	406764.59	2262905.84	1005.20	1002.5 (12"NE)				
ST7	HEADWALL (12")	406861.00	2262968.62	-	1000.00 (12")				
ST8	HEADWALL (21")	406282.56	2262856.33	-	1006.90 (21")				
ST9	HEADWALL (24")	406235.98	2262781.83	-	1010.00 (24")				
ST10	HEADWALL (24")	406316.71	2262730.71	-	1012.00 (24")				
ST11	CB 2-2-B	406362.16	2262450.21	1015.00	1012.50 (12"E)				
ST12	CB 2-2-B	406783.29	2262131.14	1010.5	1007.30 (15"NE)	1008.10 (6"S)			
ST13	MANHOLE	406827.74	2262138.16	1011.50	1006.90 (15"SW)	1007.23 (15"NE)			
ST14	CB 2-2-B	406800.47	2262093.89	1010.50	1008.00 (12"NE)				
S15	HEADWALL (15")	406982.72	2262140.49	-	1004.60 (15"SE)				

STORM STRUCTURE SCHEDULE

MARK	TYPE	NORTHING	EASTING	RIM	INVERT	INVERT	REMARKS
S16	ODOT CB 2-2-B	406269.91	2261700.58	1015.50	1013.10 (15"NW)		
S17	ODOTCB 2-2-B	406543.22	2261024.72	1015.10	1011.70 (15"SE,W)		
S18	HEADWALL (15")	406552.30	2261889.72	-	1010.50 (15")		
S19	HEADWALL (12")	407044.36	2262397.82	-	1003.50 (12")		
S20	ODOT CB 2-2-B	407183.20	2261300.89	1008.50	1005.50(12"W,SE)	1006.00 (6"E)	
S21	ODOT CB 2-2-B	407211.49	2262251.54	1009.50	1007.26 (12"SE)		
S22	HEADWALL (15")	407006.31	2261006.35	-	1005.00 (15")		
S23	ODOT CB 2-2-B	407208.18	2261384.98	1010.50	1007.65 (15"NW,S)	1007.80 (6"SW,NE)	
ST24	ODOT CB 2-2-B	407136.82	2261878.43	1010.50	1008.19 (15"SE)		
ST25	HEADWALL (38"X60")	406993.36	2262116.65	-	1004.00		ELLIPTICAL
ST26	HEADWALL (38"X60")	406986.77	2262049.22	-	1004.30		ELLIPTICAL
ST27	HEADWALL (30")	406967.92	2261999.12	-	1005.00 (30")		
ST28	POND OUTLET	406888.39	2261962.54	1014.00	1009.25(30"N)	1010.50 (15"N)	
ST29	HEADWALL (48")	406813.54	2263164.42	-	998.50 (48")		
ST30	HEADWALL (48")	406513.61	2263155.45	-	997.00 (48")		

SANITARY SEWER STRUCTURE SCHEDULE

MARK	TYPE	NORTHING	EASTING	RIM	INVERT	INVERT	REMARKS
SA1	EX. MANHOLE	406885.52	2263010.51	1006.35	995.11 (EX.18"NW, E)	995.94 (8"SW)	
SA2	MANHOLE	406785.90	2262935.51	1004.20	996.80 (8"NE, W)		
SA3	MANHOLE	406778.16	2262810.52	1000.00	999.83 (8"E)	1000.00 (6"W)	
SA4	CLEANOUT	406713.31	2262719.10		1009.00 (6"E)		
SA5	LATERAL	407023.24	2262015.12				

WATER LINE APPURTENANCE SCHEDULE

MARK	TYPE	NORTHING	EASTING	REMARKS
W24	4"-45° BEND	406731.81	2262576.97	-
W25	4"-45° BEND	406726.80	2262623.87	-
W26	4"-45°BEND	406761.81	2262665.72	-
W27	4" MJ PLUG W/2" TAP	406743.51	2263103.88	-

PROJ. NO: 436901
SCALE: 1"=50'
FILE NO: UT01
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

UTILITY PLAN
CITY OF MASSILLON-S.R. 241 PARK SITE

EDG ENVIRONMENTAL DESIGN GROUP
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SHEET:
13 OF 50

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LEGEND

- LIMIT OF WORK
- 1005 PROPOSED CONTOUR (10' INCREMENT)
- 1001 PROPOSED CONTOUR (2' INCREMENT)
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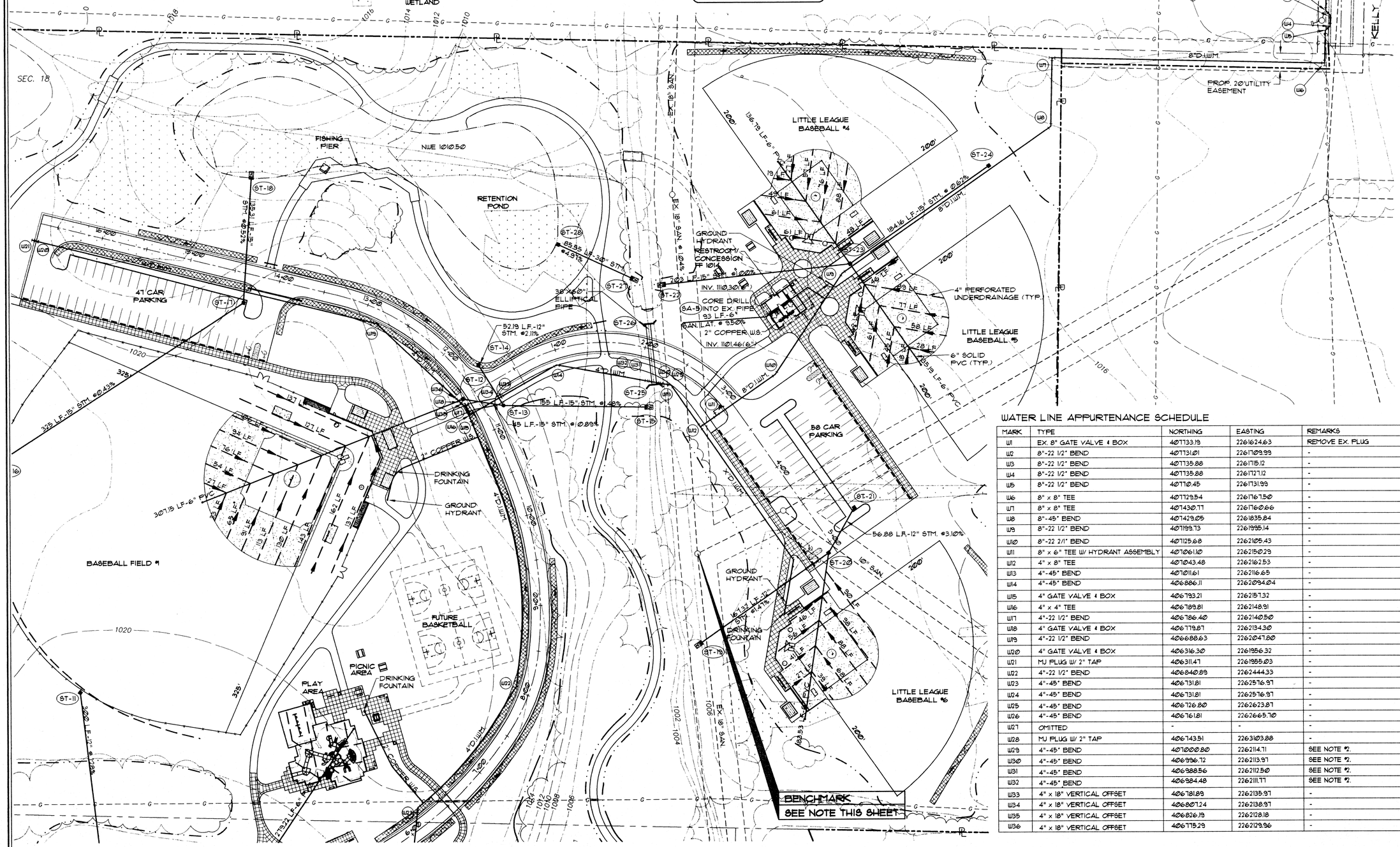
NOTES

1. THE CONTRACTOR SHALL CORE DRILL THE EXISTING 18" SANITARY SEWER AND INSTALL A SADDLE CONNECTION FOR THE PROPOSED 6" LATERAL. PROVIDE ALL FITTINGS AS REQUIRED TO MAKE THE CONNECTION. INCLUDE THE COST FOR THIS WORK IN THE PRICE BID FOR THE 6" LATERAL.
2. PROVIDE AT LEAST 2' OF CLEARANCE BETWEEN STREAM INVERT AND TOP OF WATER MAIN AT CROSSING.

BENCHMARK
EX. SANITARY MANHOLE
(TOP OF CASTING-RIM)
N 4071039.63
E 2262301.05
ELEVATION 1009.85

GRAPHIC SCALE
(IN FEET)
0 50 100

2 WORKING DAYS
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OHIO UTILITIES PROTECTION SERVICE



WATER LINE APPURTENANCE SCHEDULE

MARK	TYPE	NORTHING	EASTING	REMARKS
W1	EX. 8" GATE VALVE & BOX	4071733.19	2261624.63	REMOVE EX. PLUG
W2	8"-22 1/2" BEND	4071731.01	2261709.99	-
W3	8"-22 1/2" BEND	4071735.88	2261715.12	-
W4	8"-22 1/2" BEND	4071735.88	2261727.12	-
W5	8"-22 1/2" BEND	4071710.45	2261731.99	-
W6	8" x 8" TEE	4071729.54	2261761.50	-
W7	8" x 8" TEE	4071430.77	2261760.66	-
W8	8"-45° BEND	4071429.05	2261835.84	-
W9	8"-22 1/2" BEND	4071199.73	2261995.14	-
W10	8"-22 2/1" BEND	4071125.68	2262105.43	-
W11	8" x 6" TEE W/ HYDRANT ASSEMBLY	4071061.10	2262150.29	-
W12	4" x 8" TEE	4071043.48	2262162.53	-
W13	4"-45° BEND	4071011.61	2262116.65	-
W14	4"-45° BEND	4060886.11	2262094.04	-
W15	4" GATE VALVE & BOX	4060793.21	2262157.32	-
W16	4" x 4" TEE	4060789.81	2262148.91	-
W17	4"-22 1/2" BEND	4060786.40	2262140.50	-
W18	4" GATE VALVE & BOX	4060779.87	2262134.30	-
W19	4"-22 1/2" BEND	4060688.63	2262047.80	-
W20	4" GATE VALVE & BOX	4060316.30	2261956.32	-
W21	MJ PLUG W/ 2" TAP	4060311.47	2261955.03	-
W22	4"-22 1/2" BEND	4060840.89	2262444.33	-
W23	4"-45° BEND	4060731.81	2262576.97	-
W24	4"-45° BEND	4060731.81	2262576.97	-
W25	4"-45° BEND	4060726.80	2262623.87	-
W26	4"-45° BEND	4060761.81	2262665.70	-
W27	OMITTED	-	-	-
W28	MJ PLUG W/ 2" TAP	4060743.51	2263103.88	-
W29	4"-45° BEND	4071000.80	2262114.71	SEE NOTE #2.
W30	4"-45° BEND	4060996.72	2262113.97	SEE NOTE #2.
W31	4"-45° BEND	4060988.56	2262112.50	SEE NOTE #2.
W32	4"-45° BEND	4060984.48	2262111.77	SEE NOTE #2.
W33	4" x 18" VERTICAL OFFSET	4060781.89	2262135.97	-
W34	4" x 18" VERTICAL OFFSET	4060807.24	2262138.97	-
W35	4" x 18" VERTICAL OFFSET	4060826.19	2262128.18	-
W36	4" x 18" VERTICAL OFFSET	4060775.29	2262129.96	-

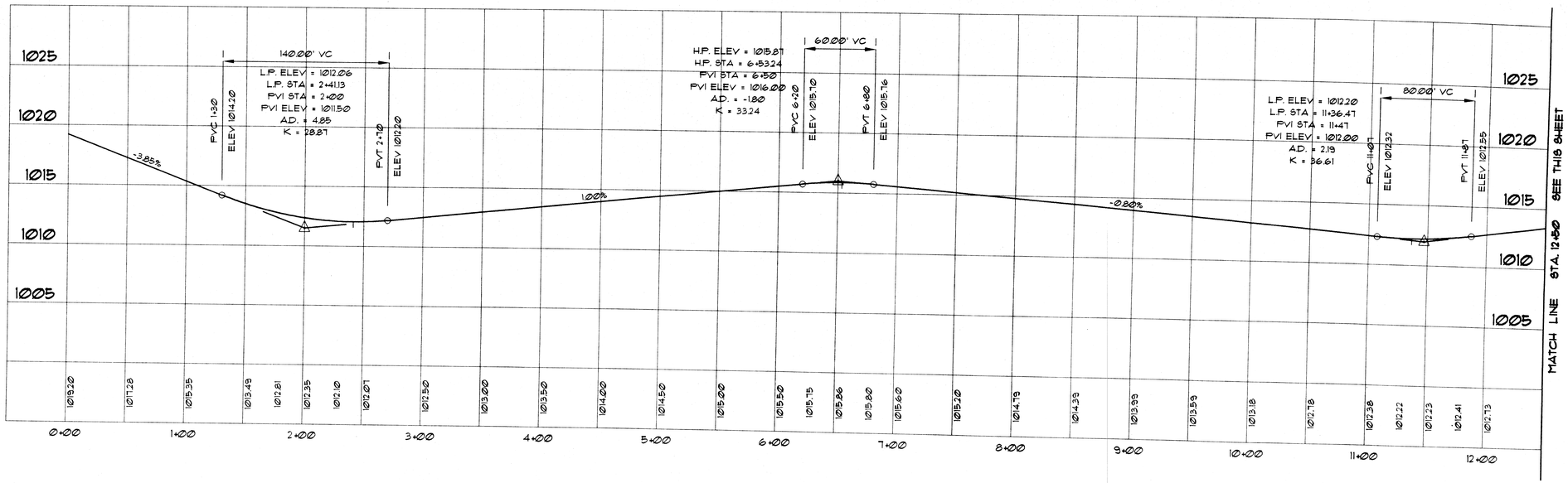
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DRAWN BY:	DRG HAH
CHKD. BY:	DJM, JLC
DATE ISSUED:	7-27-98
REVISED:	

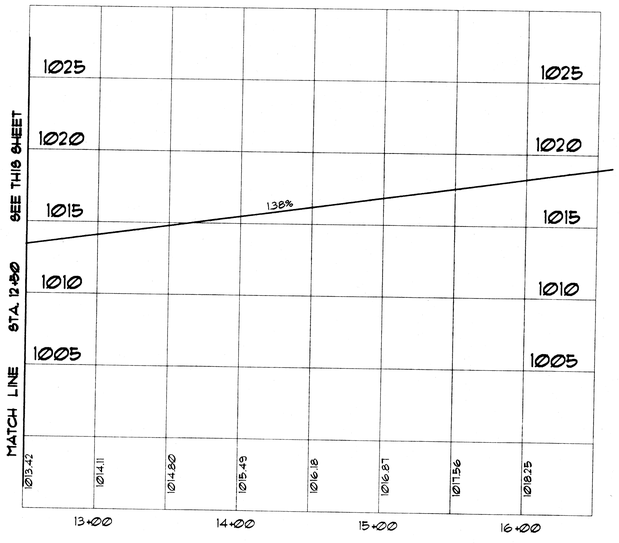
UTILITY PLAN
CITY OF MASSILLON-S.R. 241 PARK SITE

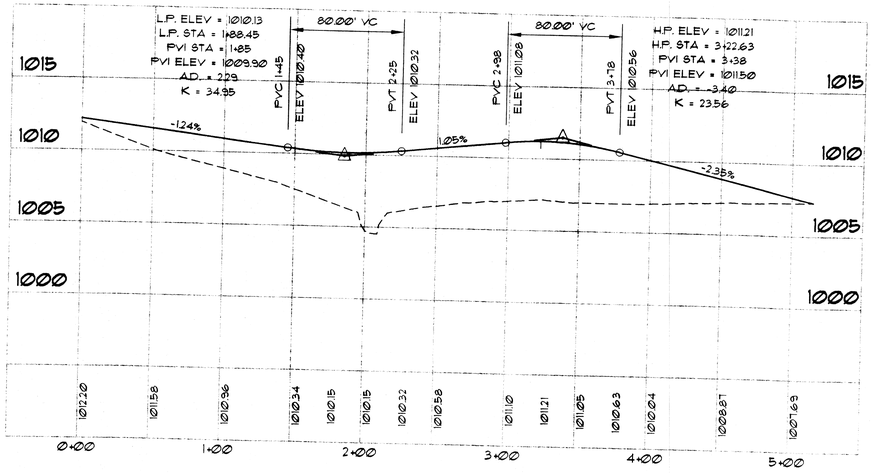
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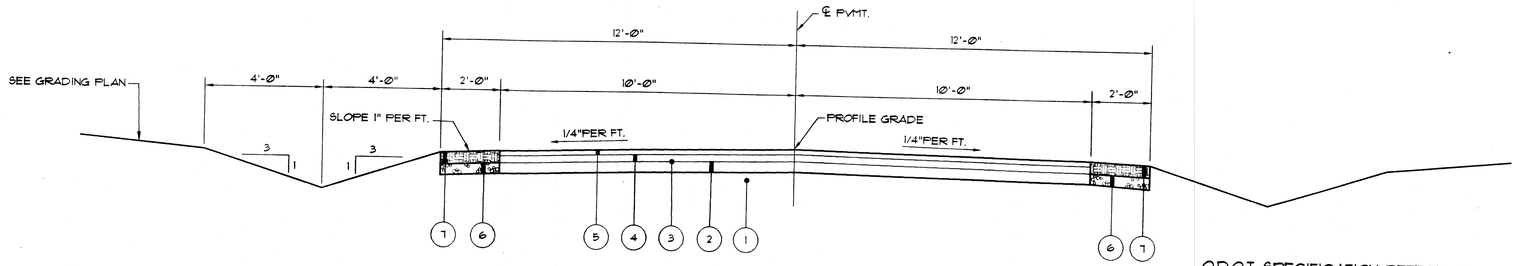
SHEET: 14 OF 50

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TYPICAL ROADWAY SECTION

NOT TO SCALE

CURVE DATA

CURVE	RADIUS	LENGTH	TANGENT	DELTA	CHORD	BEARING
C 1	400.00'	58.86'	29.48'	08°25'53"	58.81'	S 16°35'14" E
C 2	1500.00'	201.08'	100.69'	07°40'50"	200.92'	N 16°12'43" E
C 3	400.00'	265.29'	137.73'	38°00'02"	260.46'	N 39°03'09" E
C 4	200.00'	91.28'	46.45'	26°09'00"	90.49'	N 71°07'40" E
C 5	400.00'	194.27'	99.09'	27°49'37"	192.36'	S 81°53'02" E
C 6	250.00'	236.34'	127.84'	54°09'56"	227.64'	S 40°53'15" E
C 7	180.00'	266.01'	163.99'	84°40'19"	242.45'	S 12°39'50" E

O.D.O.T. SPECIFICATION REFERENCE

1. ITEM 203 - SUBGRADE COMPACTION
2. ITEM 304 - AGGREGATE BASE
3. ITEM 407 - TACK COAT ((0.1 GAL. S.Y.)
4. ITEM 402 - ASPHALT CONCRETE AC-20
5. ITEM 404 - ASPHALT CONCRETE AC-20
6. ITEM 304 - AGGREGATE BERM 6"
7. LAWN AS SPECIFIED

REFER TO ASPHALT PAVEMENT DETAIL (3/23) (1/23)

PROJ. NO: 436901
SCALE: AS NOTED
FILE NO: BP01
DRAWN BY: TJC, DRG, BVE, MAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

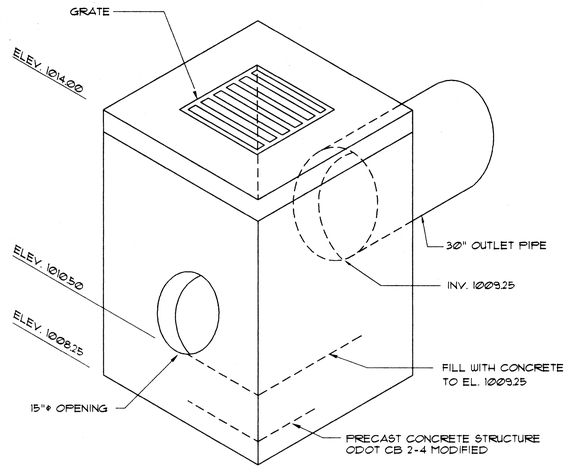
ROADWAY PROFILES

CITY OF MASSILLON-S.R. 241 PARK SITE

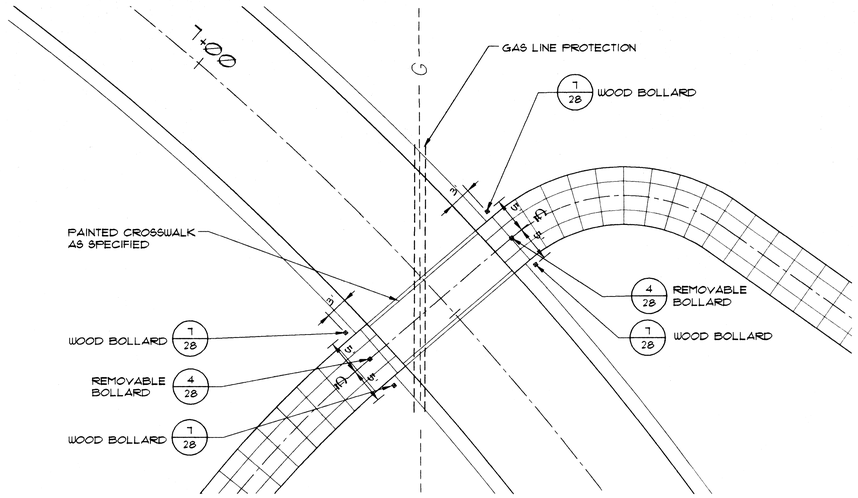
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15 OF 50

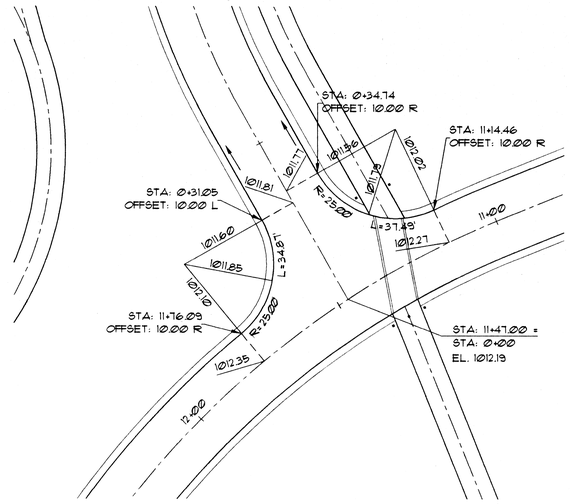
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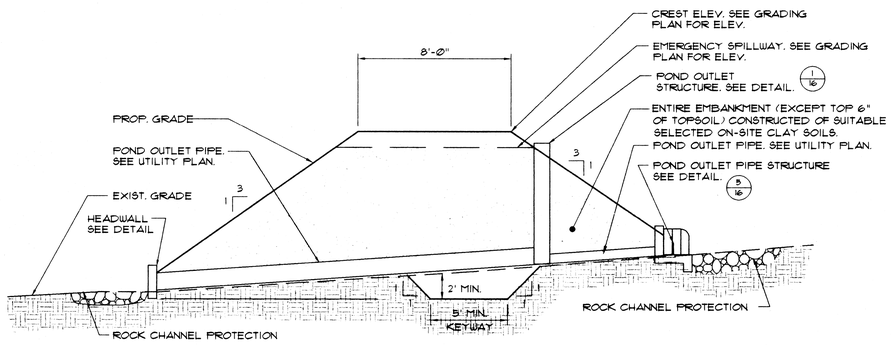
1/16 POND OUTLET STRUCTURE DETAIL
NOT TO SCALE



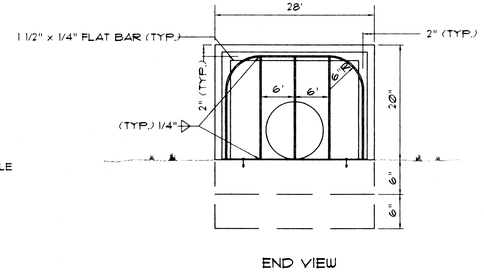
4/16 BOLLARD LAYOUT DETAIL
SCALE: 1" = 10'



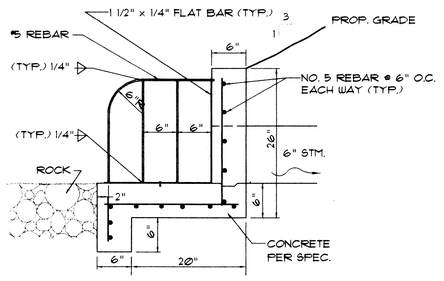
6/16 INTERSECTION OF PARK DRIVES
SCALE: 1" = 20'



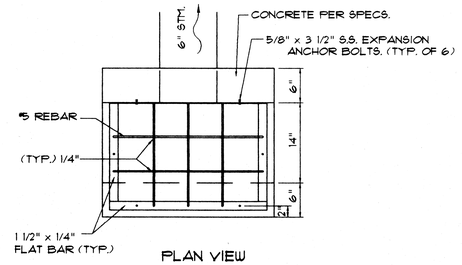
2/16 TYPICAL POND CROSS-SECTION
NOT TO SCALE



END VIEW

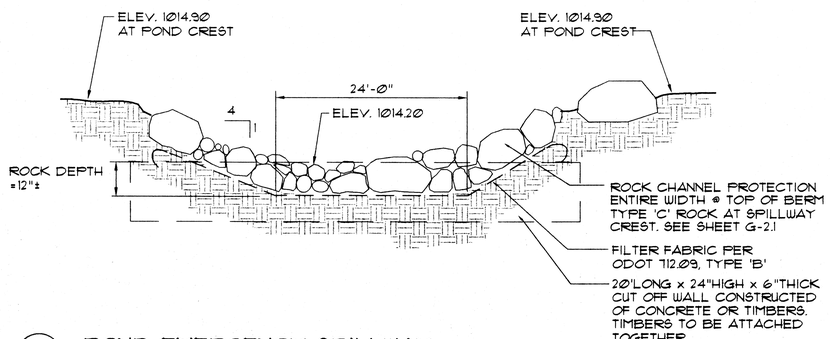


SECTION

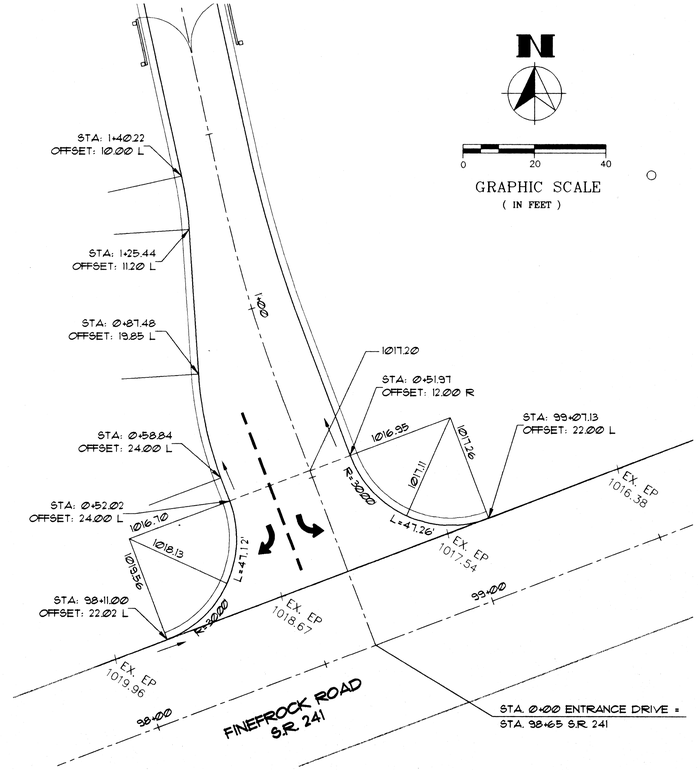


PLAN VIEW

5/16 POND OUTLET PIPE STRUCTURE DETAIL
NOT TO SCALE



3/16 POND EMERGENCY SPILLWAY
NOT TO SCALE



7/16 INTERSECTION S.R. 241 AND ENTRANCE DRIVE
SCALE: 1" = 20'

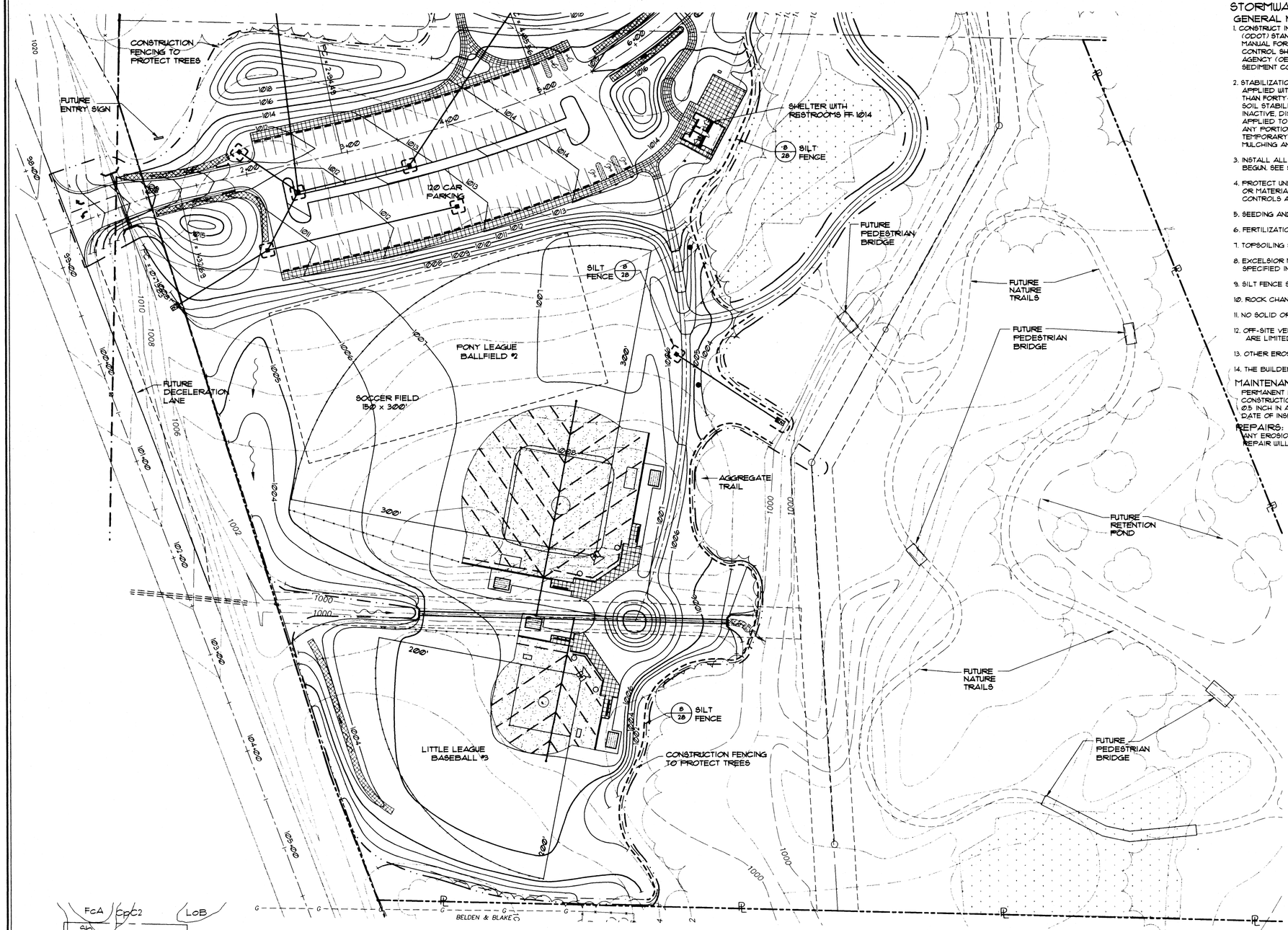
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SCALE: 1"=20'
FILE NO: DT12
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

INTERSECTION & POND DETAILS
CITY OF MASSILLON-S.R. 241 PARK SITE

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16 OF 50

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STORMWATER POLLUTION PREVENTION PLAN NOTES

GENERAL NOTES

1. CONSTRUCT IN ACCORDANCE WITH THESE PLANS, THE OHIO DEPARTMENT OF TRANSPORTATION (ODOT) STANDARD CONSTRUCTION DRAWING MC-11, AND THE RAINWATER AND LAND DEVELOPMENT MANUAL FOR URBANIZING AREAS. THE IMPLEMENTATION OF SOIL EROSION AND SEDIMENT CONTROL SHALL ALSO CONFORM TO THE REQUIREMENTS OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA) UNDER NPDES PERMIT #. IF CONFLICTS EXIST REGARDING THE SOIL AND SEDIMENT CONTROL PRACTICES, THE MORE RESTRICTIVE SHALL APPLY.

2. STABILIZATION OF DISTURBED AREAS. DISTURBED AREAS SHALL HAVE SOIL STABILIZATION APPLIED WITHIN SEVEN (7) DAYS IF THEY ARE TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN FORTY-FIVE (45) DAYS, FOR AREAS WITHIN FIFTY (50) FEET OF ANY LIVE STREAM, SOIL STABILIZATION PRACTICES SHALL BE INITIATED WITHIN TWO (2) DAYS ON ALL INACTIVE DISTURBED AREAS, PERMANENT OR TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. WHEN SEASONAL CONDITIONS PROHIBIT THE APPLICATION OF TEMPORARY OR PERMANENT SEEDING, NON-VEGETATIVE SOIL STABILIZATION PRACTICES SUCH AS MULCHING AND MATTING SHALL BE USED.

3. INSTALL ALL EROSION CONTROL ITEMS BEFORE ANY CLEARING AND GRUBBING OR EARTHWORK IS BEGUN. SEE SHEET XX FOR DETAILS.

4. PROTECT UNDISTURBED AREAS THROUGHOUT CONSTRUCTION. DO NOT STORE EQUIPMENT, VEHICLES OR MATERIALS IN THESE PROTECTED AREAS. DO NOT DISTURB THESE AREAS UNTIL HOMESITE CONTROLS ARE IN PLACE.

5. SEEDING AND MULCHING FOR PERMANENT COVER SHALL BE AS SPECIFIED IN ODOT ITEM 659.

6. FERTILIZATION SHALL BE AS SPECIFIED IN ODOT ITEM 659.

7. TOPSOILING SHALL BE AS SPECIFIED IN ODOT ITEM 651 & 652.

8. EXCELSIOR MATTING SHALL BE PROVIDED FOR ALL SWALES GREATER THAN 15% SLOPE AND AS SPECIFIED IN ODOT ITEM 668.

9. SILT FENCE SHALL BE AS SPECIFIED IN ODOT ITEM 713.09, TYPE C.

10. ROCK CHANNEL SHALL BE AS SPECIFIED IN ODOT ITEM 601.07-.08.

11. NO SOLID OR LIQUID WASTE SHALL BE DISCHARGED INTO STORMWATER RUNOFF.

12. OFF-SITE VEHICLE TRACKING OF SEDIMENTS WILL BE MINIMIZED. CONSTRUCTION VEHICLES ARE LIMITED TO THE CONSTRUCTION HAUL ROAD NOTED ON THE DRAWINGS.

13. OTHER EROSION CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS.

14. THE BUILDER IS RESPONSIBLE FOR EROSION CONTROL ON EACH LOT.

MAINTENANCE AND INSPECTION:

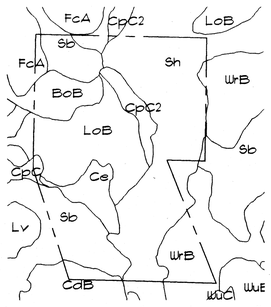
PERMANENT RECORDS OF MAINTENANCE AND INSPECTION MUST BE MAINTAINED THROUGHOUT CONSTRUCTION A MINIMUM OF ONCE EVERY 7 DAYS AND AFTER STORM EVENTS GREATER THAN 0.5 INCH IN A 24 HOUR PERIOD. PROVIDE NAME OF INSPECTOR, MAJOR OBSERVATIONS, DATE OF INSPECTION, CERTIFICATION OF COMPLIANCE AND CORRECTIVE MEASURES TAKEN.

REPAIRS:

ANY EROSION CONTROL MEASURES, STRUCTURES, DEVICES, OR RELATED ITEMS IN NEED OF REPAIR WILL BE MADE WITHIN 7 DAYS.

LEGEND

- LIMIT OF WORK
- 1005 PROPOSED CONTOUR (10' INCREMENT)
- 1001 PROPOSED CONTOUR (2' INCREMENT)
- 1005 EXISTING CONTOUR (10' INCREMENT)
- 1001 EXISTING CONTOUR (2' INCREMENT)
- EXISTING EDGE OF WOODS
- NEW EDGE OF WOODS
- CONSTRUCTION FENCING - MUST GO TO DRIPLINE OF PROTECTED TREE - DETERMINE ON SITE
- SILT FENCE
- ROCK CHANNEL PROTECTION
- PROPERTY LINE
- CENTERLINE
- PROPOSED YARD INLET W/SILT FENCE
- PROPOSED CATCH BASIN W/SILT FENCE
- PROPOSED MANHOLE
- EX. MANHOLE
- SWALE
- SWALE PROTECTION MATTING
- PROPOSED FIRE HYDRANT
- WETLAND



SOILS MAP
SCALE: 1"=500'

SCHEDULE OF MAJOR CONSTRUCTION OPERATIONS 1998-1999 YEARS

	A	S	O	N	D	J	F	M	A	M	J	J
CLEARING	●	●	●									
ROUGH GRADING		●	●									
TEMP. EROSION CONTROL	●											
STORMWATER DETENTION POND		●										
UTILITIES		●	●				●					
FINE GRADING			●				●	●				
PAVING			●				●	●				
TOPSOIL & SEEDING							●					
LANDSCAPE												
TEMP. EROSION CONTROL MAINTENANCE	●	●	●	●	●	●	●	●	●			

ACCEPTABLE EROSION CONTROL TIMETABLE

	J	F	M	A	M	J	J	A	S	O	N	D
TEMP. SEEDING			●	●	●	●	●	●	●			
PERM. SEEDING			●	●	●	●	●	●	●			
LANDSCAPING			●	●	●					●	●	●
MULCHING	●	●	●	●	●	●	●	●	●	●	●	●
MAINTENANCE	●	●	●	●	●	●	●	●	●	●	●	●

SITE DESCRIPTION (MARK ONE)

SUBDIVISION ( )		TOTAL AREA	43 AC
COMMERCIAL ( )		PRE-DEV. RUNOFF COEFF.	0.36
RESIDENTIAL ( )		AREA TO BE CLEARED	42.6 AC
P.U.D. ( )		AREA TO BE EXCAVATED	29.3 AC
OTHER (X)	PARK	POST DEV. RUNOFF COEFF.	0.41

SOIL TYPES

BoB - BOGART SILT LOAM, 2% TO 6% SLOPES
CaB - CANFIELD SILT LOAM, 6% TO 12% SLOPES
CaB - CANFIELD-URBAN LAND COMPLEX, UNDULATING
CpC - CHILI SILT LOAM, 6% TO 12% SLOPES
CpC2 - CHILI SILT LOAM, 6% TO 12% SLOPES
FcA - FITCHFIELD SILT LOAM, 0% TO 2% SLOPES
LoB - LOUDONVILLE SILT LOAM, 2% TO 6% SLOPES
Sb - SEBRING SILT LOAM
WaB - WOOSTER SILT LOAM, 2% TO 6% SLOPES
WaC - WOOSTER SILT LOAM, 6% TO 12% SLOPES
WrB - WHEELING SILT LOAM, 2% TO 6% SLOPES

SITE LOCATION INFORMATION:

LATITUDE: 40°45'36"
LONGITUDE: 81°33'40"

CITY OF MASSILLON	STARK	OHIO
CITY, VILLAGE, TOWNSHIP	COUNTY	STATE

PIGEON RUN CREEK
NAME OF WATERSHED/IMMEDIATE RECEIVING WATER(S)

FINEBROOK RD. (S.R. 241)
SITE ADDRESS — ZIP CODE

MASSILLON PARKS AND RECREATION DEPARTMENT — (330) 832-1621
DEVELOPER — PHONE

196 OAK AVENUE S.E.
MASSILLON, OH 44646
DEVELOPER ADDRESS

0 50 100
GRAPHIC SCALE
(IN FEET)

PROJ. NO:	436901
SCALE:	1"=50'
FILE NO:	SW01
DRAWN BY:	DRG, SVE, HAH
CHKD. BY:	DJM, JLC
DATE ISSUED:	7-27-98
REVISED:	

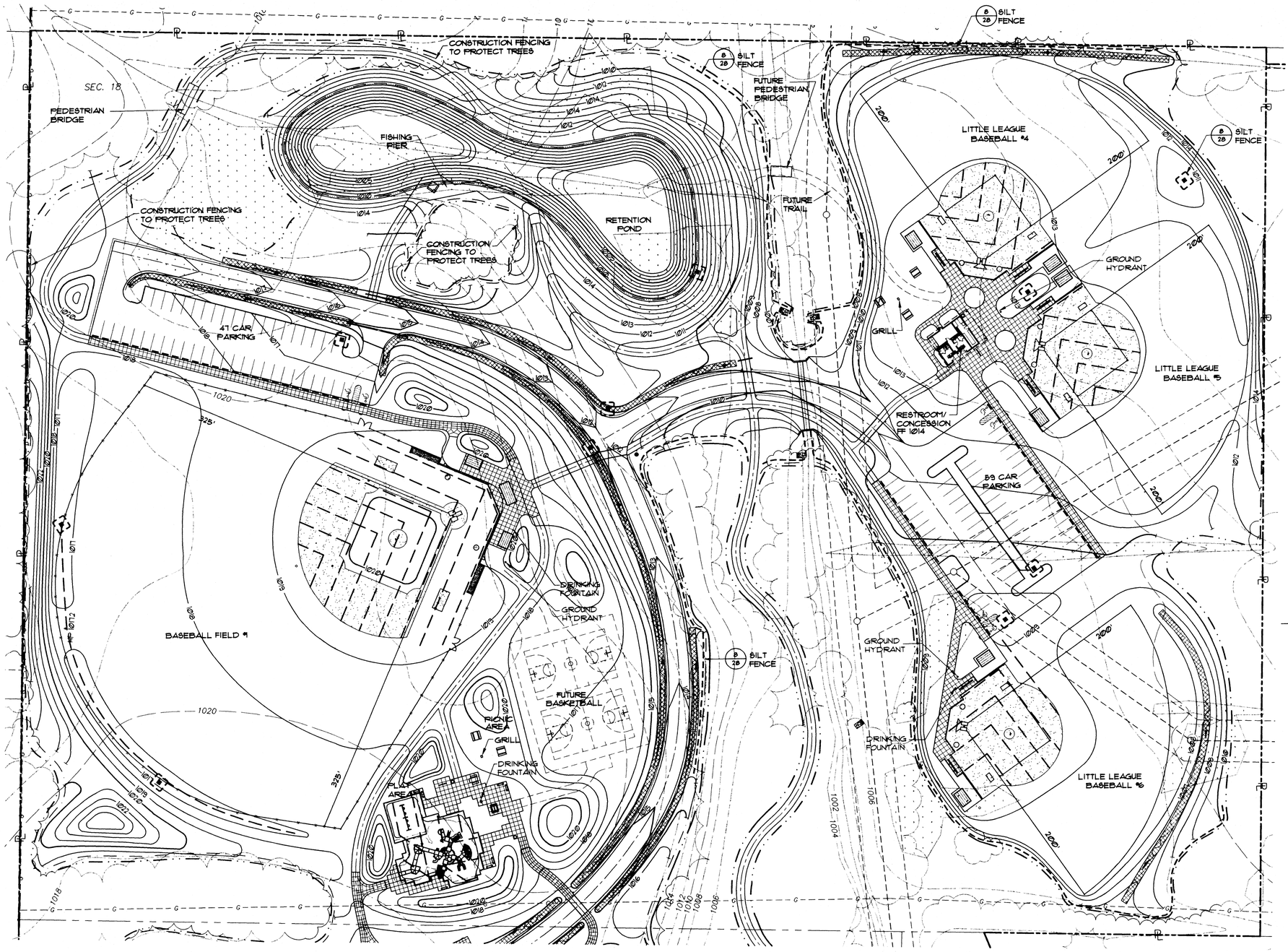
STORMWATER POLLUTION PREVENTION PLAN

CITY OF MASSILLON-S.R. 241 PARK SITE

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SHEET:
17 OF 50

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N

0 50 100

GRAPHIC SCALE
(IN FEET)

LEGEND

- LIMIT OF WORK
- 1005 PROPOSED CONTOUR (10' INCREMENT)
- 1001 PROPOSED CONTOUR (2' INCREMENT)
- 1005 EXISTING CONTOUR (10' INCREMENT)
- 1001 EXISTING CONTOUR (2' INCREMENT)
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- SILT FENCE
- ROCK CHANNEL PROTECTION
- PROPERTY LINE
- CENTERLINE
- PROPOSED YARD INLET W/SILT FENCE
- PROPOSED CATCH BASIN W/SILT FENCE
- PROPOSED MANHOLE
- EX. MANHOLE
- SWALE
- SWALE PROTECTION MATTING
- PROPOSED FIRE HYDRANT
- WETLAND

PROJ. NO: 436901
SCALE: 1"=50'
FILE NO: SW02
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

STORMWATER POLLUTION PREVENTION PLAN

CITY OF MASSILLON-S.R. 241 PARK SITE

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TEL. (330) 375-1590 FAX (330) 375-1590

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18 OF 50

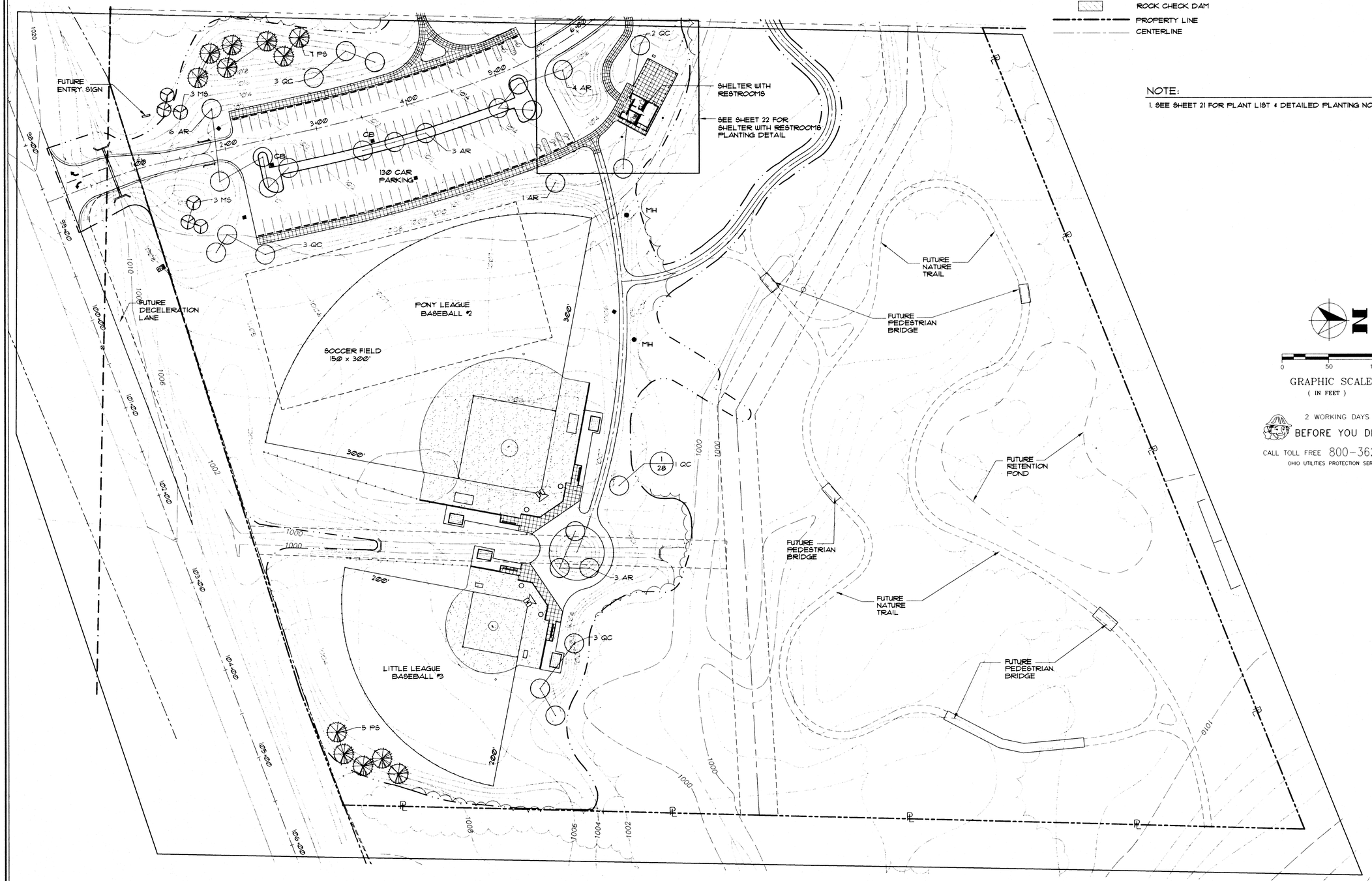
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LEGEND

- LIMIT OF WORK
- EXISTING CONTOUR (10' INCREMENT)
- EXISTING CONTOUR (2' INCREMENT)
- EXISTING EDGE OF WOODS
- NEW EDGE OF WOODS
- ROCK CHANNEL PROTECTION
- ROCK CHECK DAM
- PROPERTY LINE
- CENTERLINE
- PROPOSED YARD INLET
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- EX. MANHOLE
- PROPOSED FIRE HYDRANT

NOTE:

1. SEE SHEET 21 FOR PLANT LIST & DETAILED PLANTING NOTES.



GRAPHIC SCALE
(IN FEET)
0 50 100

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

PROJ. NO: 436901
SCALE: 1"=50'
FILE NO: PL01
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

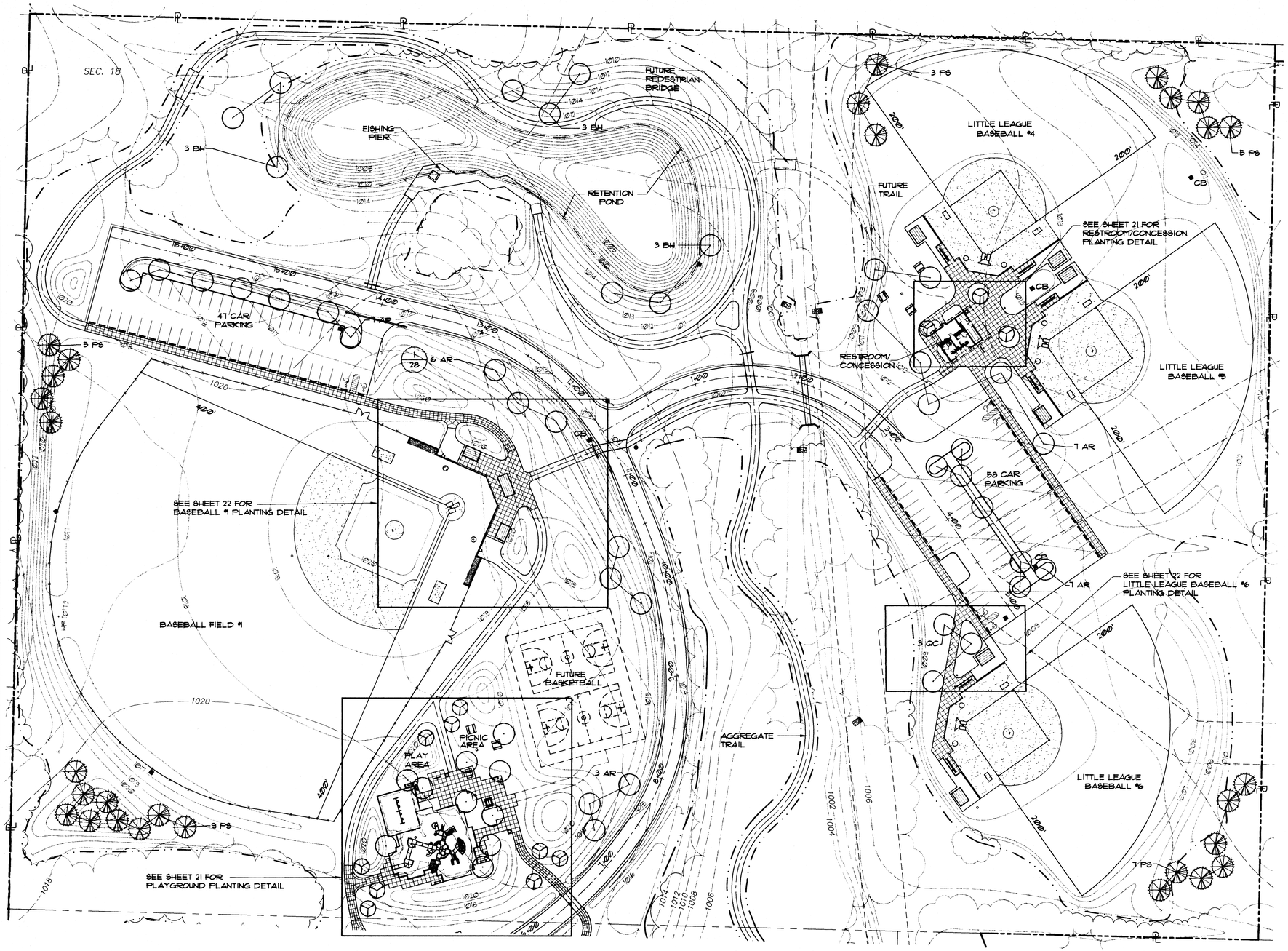
PLANTING PLAN

CITY OF MASSILLON-S.R. 241 PARK SITE

EDG ENVIRONMENTAL DESIGN GROUP
ENGINEERS · LANDSCAPE ARCHITECTS · SURVEYORS
450 GRANT STREET AKRON, OHIO 44311-1183
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SHEET:
19 OF 50

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GRAPHIC SCALE
(IN FEET)

2 WORKING DAYS
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LEGEND

- LIMIT OF WORK
- EXISTING CONTOUR (10' INCREMENT)
- EXISTING CONTOUR (2' INCREMENT)
- EXISTING EDGE OF WOODS
- NEW EDGE OF WOODS
- ROCK CHANNEL PROTECTION
- ROCK CHECK DAM
- PROPERTY LINE
- CENTERLINE
- PROPOSED YARD INLET
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- EX. MANHOLE
- PROPOSED FIRE HYDRANT

NOTE:

1.) SEE SHEET 21 FOR PLANT LIST & DETAILED PLANTING NOTES

PROJ. NO: 436901
SCALE: 1"=50'
FILE NO: PL02
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

PLANTING PLAN

CITY OF MASSILLON-SR 241 PARK SITE

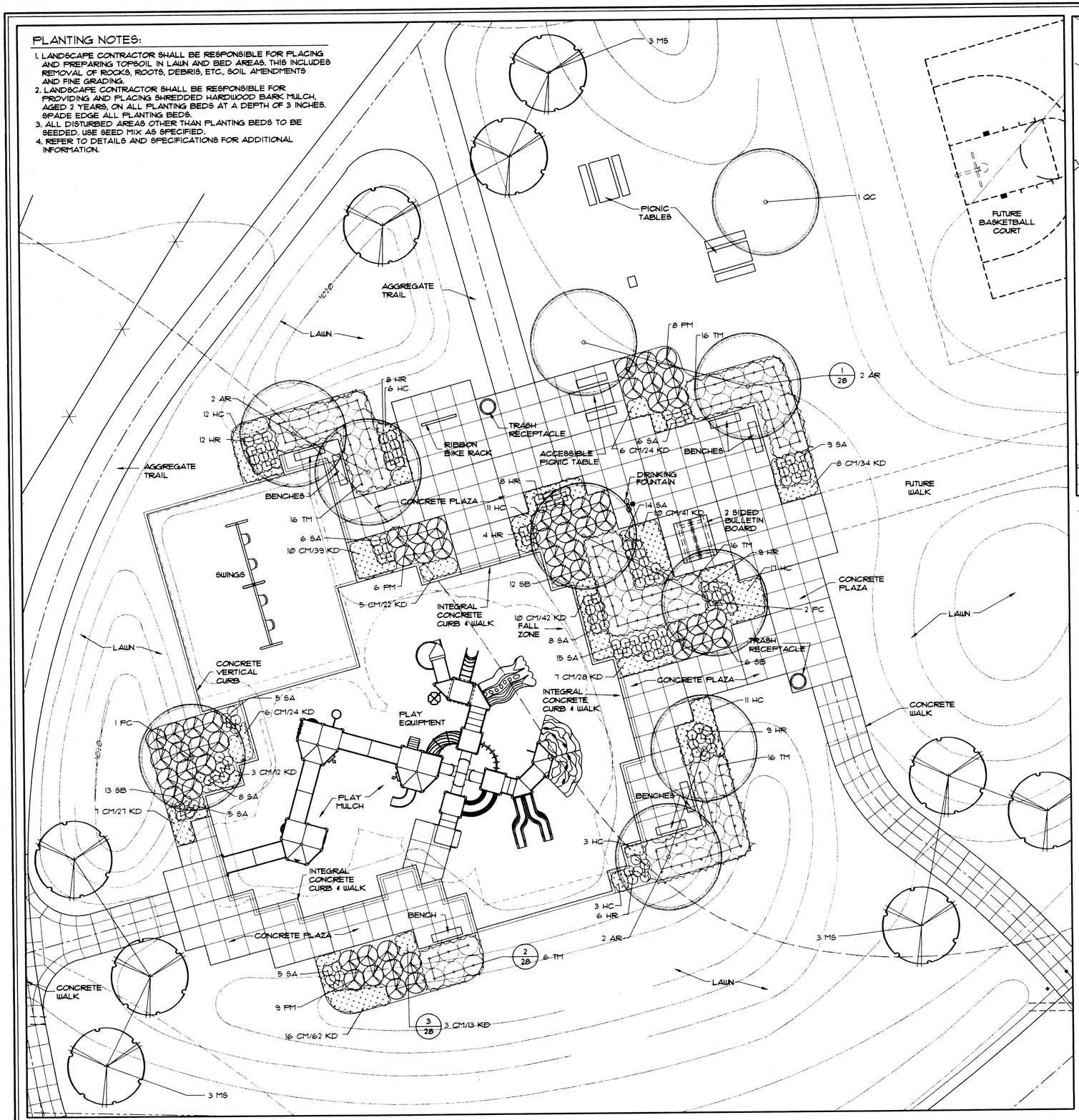
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20 OF 50

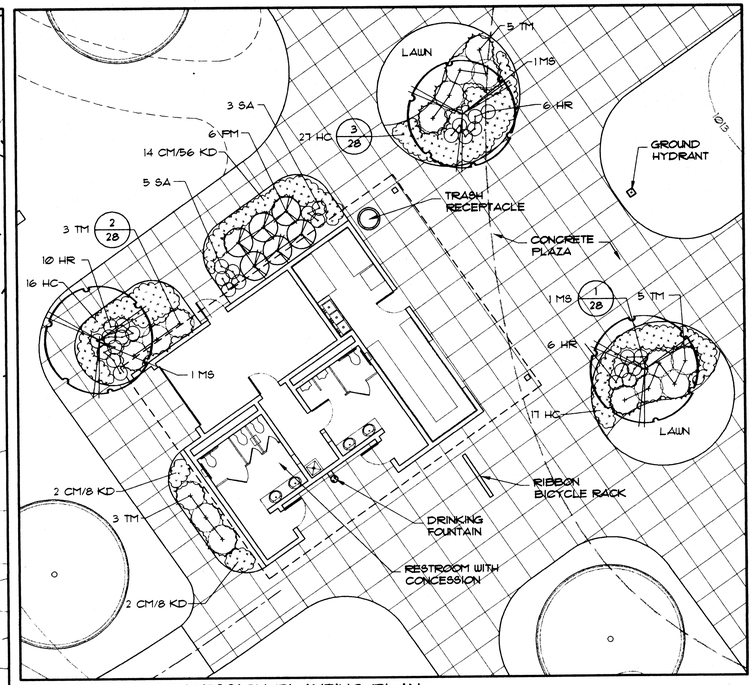
E:\MASSILLON\436901\CADD\pl02.dwg Sun Jul 26 22:53:53 1998 Environmental Design Group, Inc.

PLANTING NOTES:

1. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING AND PREPARING TOPSOIL IN LAWN AND BED AREAS. THIS INCLUDES REMOVAL OF ROCKS, ROOTS, DEBRIS, ETC., SOIL AMENDMENTS AND FINE GRADING.
2. LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND PLACING SHREDDED HARDWOOD BARK MULCH, AGED 2 YEARS, ON ALL PLANTING BEDS AT A DEPTH OF 3 INCHES. SPADE EDGE ALL PLANTING BEDS.
3. ALL DISTURBED AREAS OTHER THAN PLANTING BEDS TO BE SEEDED. USE SEED MIX AS SPECIFIED.
4. REFER TO DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.



PLAYGROUND PLANTING PLAN
SCALE 1"=10'



RESTROOM / CONCESSION PLANTING PLAN
SCALE 1"=10'

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	SIZE	CONDITION	QUANTITY
TREES					
AR	ACER RUBRUM 'RED SUNSET'	RED SUNSET MAPLE	3" CAL.	B&B	43
BH	BETULA NIGRA 'CULLY' HERITAGE	HERITAGE RIVER BIRCH	6' HT.	B&B CLUMP	9
MS	MALUS 'SUTYZAM'	SUTYZAM (SUGAR TYME) CRABAPPLE	2" CAL.	B&B	15
PC	PYRUS CALLERYANA 'REDSPIRE'	REDSPIRE PEAR	2" CAL.	B&B	11
PS	PINUS STROBUS	EASTERN WHITE PINE	6' HT.	B&B	41
QC	QUERCUS COCCINEA	SCARLET OAK	3" CAL	B&B	16
SHRUBS					
SB	SPIREA x BUMALDA 'ANTHONY WATERER'	ANTHONY WATERER SPIREA	24" HT	B&B	49
TM	TAXUS MEDIA 'SEBIAN'	SEBIAN YEW	18" SPR.	B&B	132
PERENNIALS					
CM	COREOPSIS 'MOONBEAM'	TICKSEED	NO. 2	CONT.	182
HC	HEUCHERA SANGUINEA	SCARLET CORAL BELLS	NO. 2	CONT.	230
HR	HOSTA 'ROYAL STANDARD'	ROYAL STANDARD HOSTA	NO. 2	CONT.	143
PM	MISCANTHUS PURPURASCENS	PURPLE MAIDEN GRASS	NO. 2	CONT.	39
SA	SEDUM x 'AUTUMN JOY'	AUTUMN JOY SEDUM	NO. 2	CONT.	125
BULBS					
KD	NARCISSUS 'KING ALFRED'	KING ALFRED DAFFODIL	BULBS	-	132

LEGEND

- LIMIT OF WORK
- 1005 EXISTING CONTOUR (10' INCREMENT)
- 1001 EXISTING CONTOUR (2' INCREMENT)
- EXISTING EDGE OF WOODS
- NEW EDGE OF WOODS
- PROPERTY LINE
- CENTERLINE
- PROPOSED YARD INLET
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- EX. MANHOLE
- PROPOSED FIRE HYDRANT

N

0 10 20

GRAPHIC SCALE
(IN FEET)

2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
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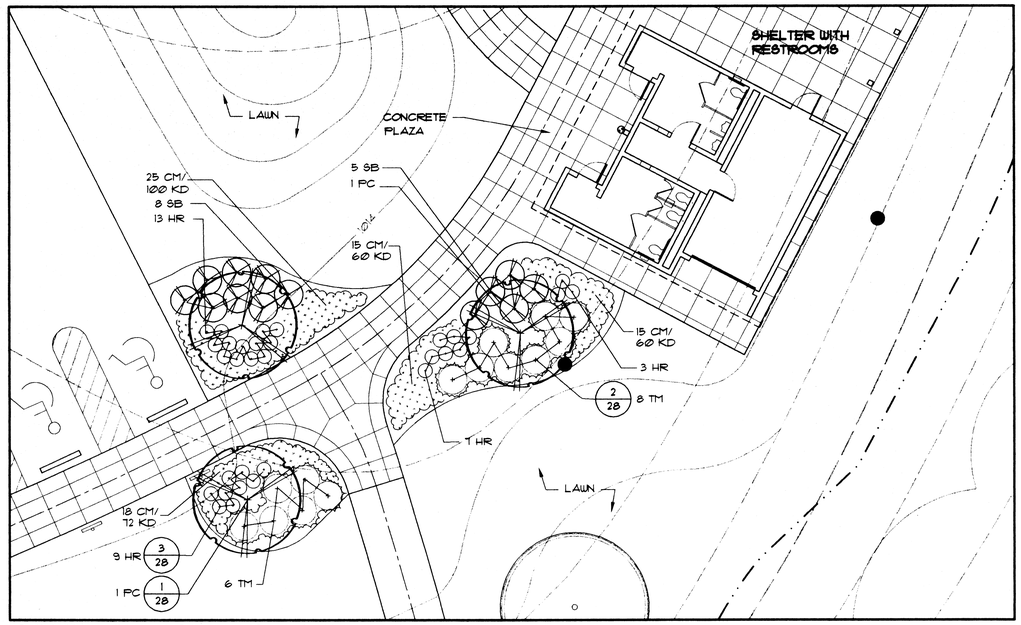
PROJ. NO: 436901
SCALE: 1"=10'
FILE NO: PL03
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

DETAIL PLANTING PLAN
CITY OF MASSILLON-S.R. 241 PARK SITE

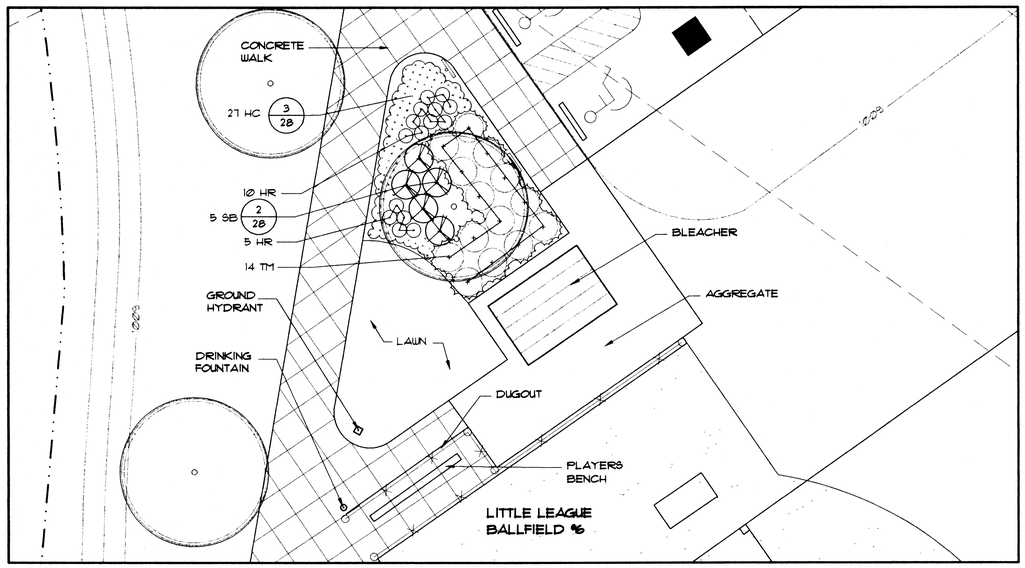
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SHEET:
21 OF 50

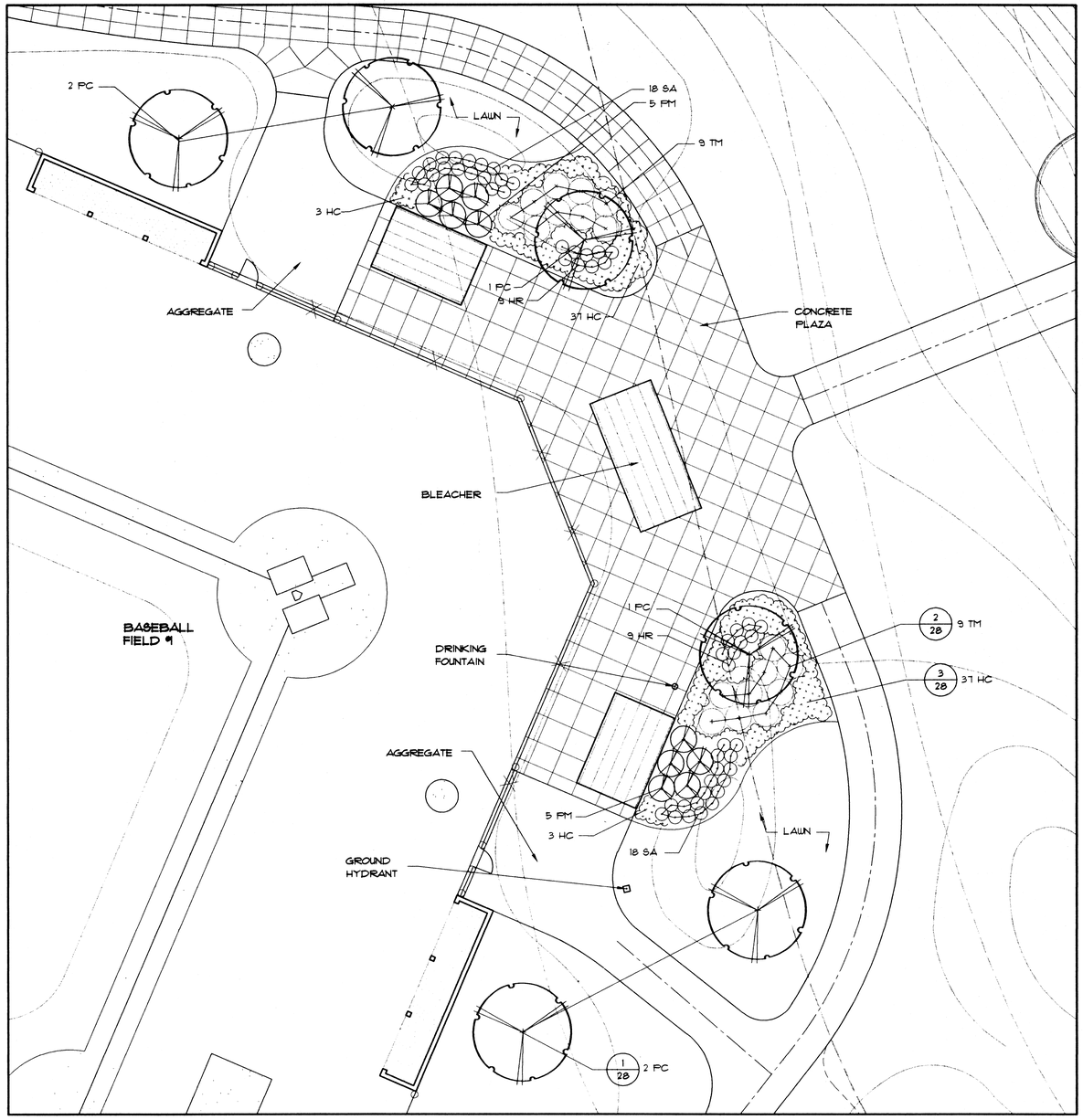
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SHELTER WITH RESTROOMS PLANTING PLAN
SCALE 1"=10'



LITTLE LEAGUE BALLFIELD #6 PLANTING PLAN
SCALE 1"=10'



BALLFIELD #1 PLANTING PLAN
SCALE 1"=10'

LEGEND

- LIMIT OF WORK
- 1005 EXISTING CONTOUR (10' INCREMENT)
- 1001 EXISTING CONTOUR (2' INCREMENT)
- EXISTING EDGE OF WOODS
- NEW EDGE OF WOODS
- ROCK CHANNEL PROTECTION
- ROCK CHECK DAM
- PROPERTY LINE
- CENTERLINE
- PROPOSED YARD INLET
- PROPOSED CATCH BASIN
- PROPOSED MANHOLE
- EX. MANHOLE
- PROPOSED FIRE HYDRANT

NOTE:

1.) SEE SHEET 21 FOR PLANT LIST & DETAILED PLANTING NOTES

0 10 20
GRAPHIC SCALE
(IN FEET)

2 WORKING DAYS
BEFORE YOU DIG
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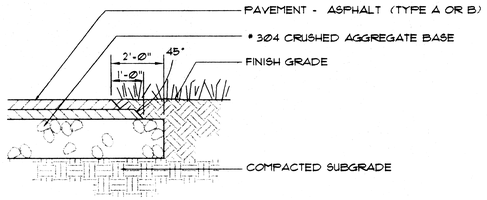
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SCALE: 1"=10'
FILE NO: PL04
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

DETAIL PLANTING PLAN
CITY OF MASSILLON-S.R. 241 PARK SITE

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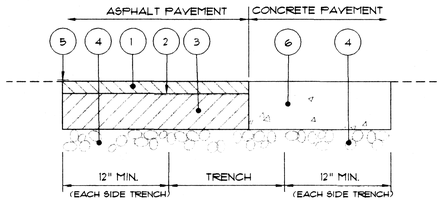
SHEET:
22 OF 50

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1/23 ASPHALT CONCRETE EDGE

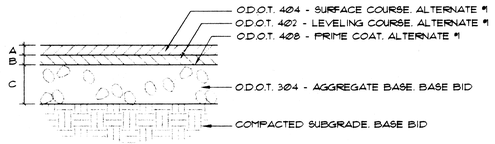
NOT TO SCALE



1. ASPHALT CONRETE 1 1/2" ODOT ITEM 404
2. TACK COAT ODOT ITEM 407
3. 6" ODOT 301
4. COMPACTED BASE - LIMESTONE ODOT ITEM 304 OR 310
5. 3" ASPHALT SEALANT, ODOT 705.04
6. 8" P.S.I. CONCRETE ODOT CLASS "C"

2/23 PAVEMENT REPLACEMENT

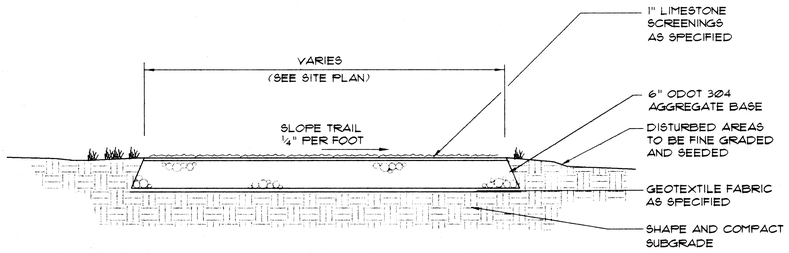
NOT TO SCALE



LOCATION	TYPE	A	B	C
ENTRY DRIVE	TYPE A	1-1/2"	3"	8"
PARKING LOT	TYPE B	1-1/2"	2-1/2"	6"
AGGREGATE DRIVE	-	-	-	8"

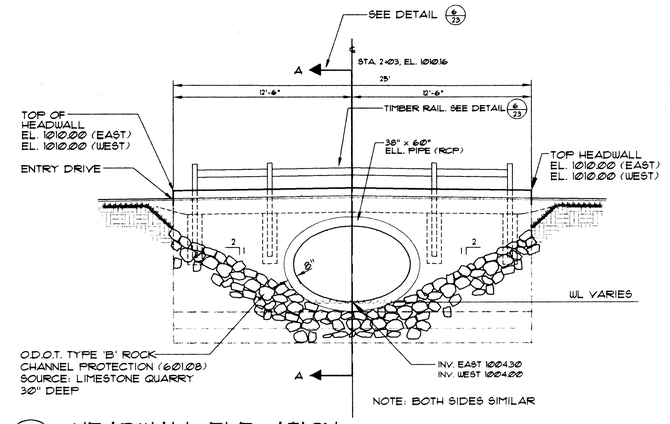
3/23 ASPHALT PAVEMENT

NOT TO SCALE



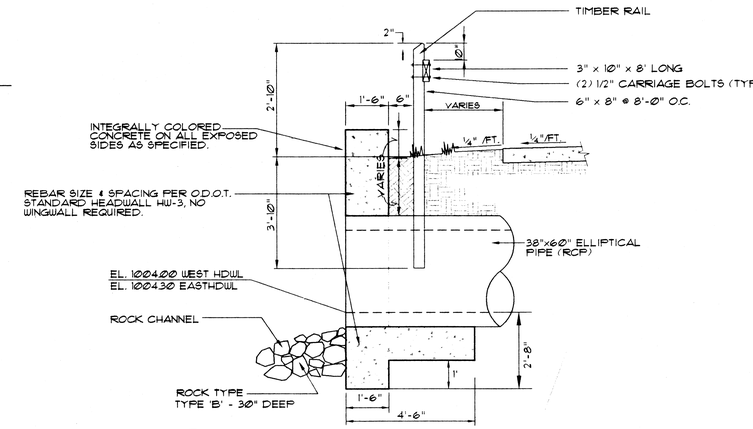
4/23 AGGREGATE WALK & TRAIL

NOT TO SCALE



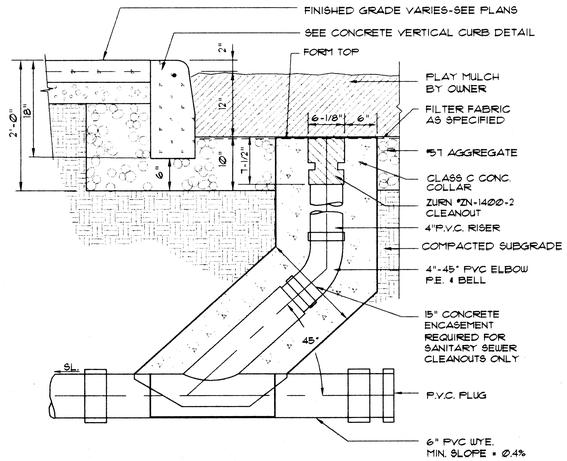
5/23 HEADWALL ELEVATION

NOT TO SCALE



6/23 HEADWALL SECTION A-A

NOT TO SCALE

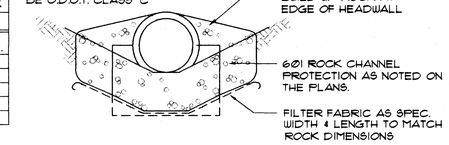


7/23 UNDERDRAINAGE CLEANOUT DETAIL

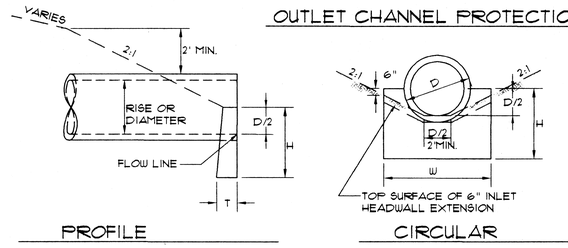
NOT TO SCALE

HEADWALL FOR CONCRETE PIPE				
CIRCULAR				
D	W	H	T	Conc. Cu. Yds.
12"	2'-0"	3'-0"	12"	.20
15"	2'-6"	3'-2"	12"	.25
18"	3'-0"	3'-3"	12"	.31
24"	4'-0"	3'-6"	12"	.43
27"	4'-6"	3'-8"	12"	.49

NOTE:
CONCRETE FOR HEADWALLS SHALL BE O.D.O.T. CLASS 'C'

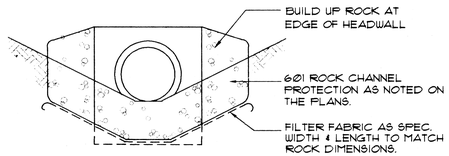


OUTLET CHANNEL PROTECTION

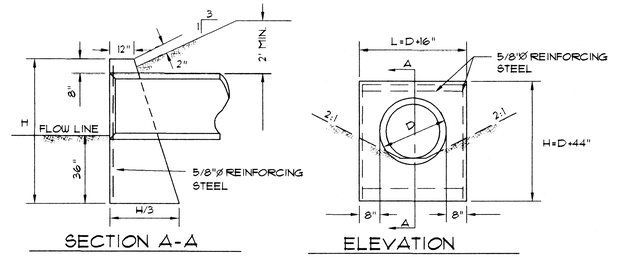


8/23 HEADWALL & ROCK CHANNEL FOR CONCRETE PIPE

NOT TO SCALE

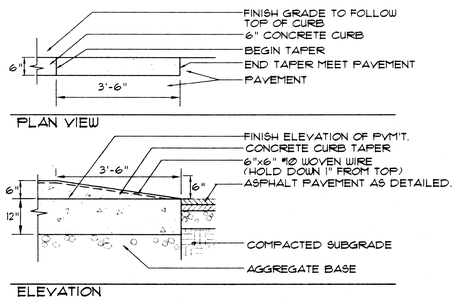


OUTLET CHANNEL PROTECTION



9/23 HEADWALL & ROCK CHANNEL FOR PVC AND HDPE PIPE

NOT TO SCALE



10/23 CONCRETE CURB TAPER

NOT TO SCALE

PROJ. NO: 436901
SCALE: AS NOTED
FILE NO: DT01
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

SITE DETAILS

CITY OF MASSILLON-S.R. 241 PARK SITE

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23 OF 50

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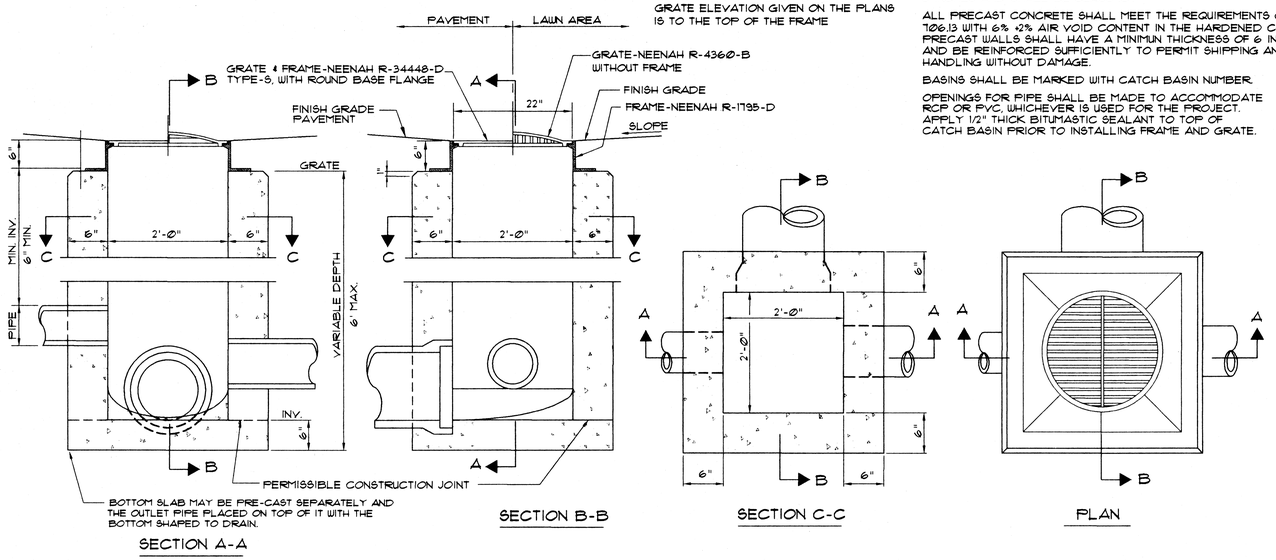
LOCATION GIVEN ON THE PLANS IS TO THE CENTER OF THE CATCH BASIN
GRATE ELEVATION GIVEN ON THE PLANS IS TO THE TOP OF THE FRAME

CAST-IN-PLACE WALLS SHALL HAVE A NOMINAL THICKNESS OF 8 INCHES AND SHALL BE CLASS 'C'.

ALL PRECAST CONCRETE SHALL MEET THE REQUIREMENTS OF O.D.O.T. 706.13 WITH 6% ±2% AIR VOID CONTENT IN THE HARDENED CONCRETE. PRECAST WALLS SHALL HAVE A MINIMUN THICKNESS OF 6 INCHES, AND BE REINFORCED SUFFICIENTLY TO PERMIT SHIPPING AND HANDLING WITHOUT DAMAGE.

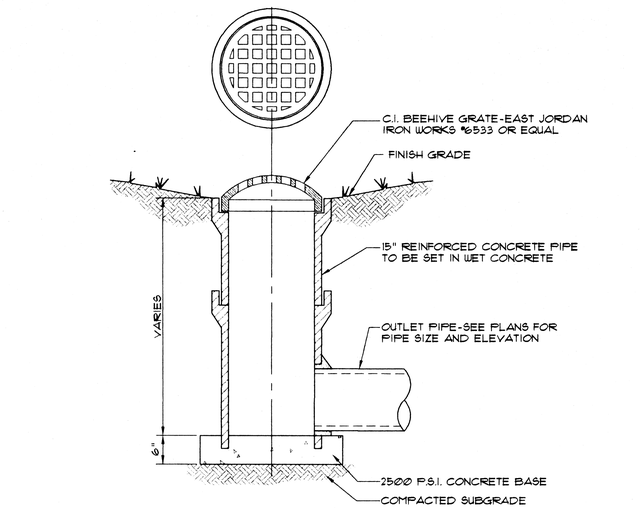
BASINS SHALL BE MARKED WITH CATCH BASIN NUMBER.

OPENINGS FOR PIPE SHALL BE MADE TO ACCOMMODATE RCP OR PVC, WHICHEVER IS USED FOR THE PROJECT. APPLY 1/2" THICK BITUMASTIC SEALANT TO TOP OF CATCH BASIN PRIOR TO INSTALLING FRAME AND GRATE.



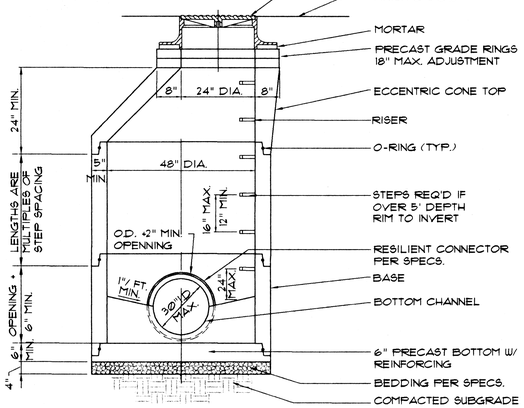
1/24 TYP. CATCH BASIN DETAIL (ODOT CB 2-2-B MODIFIED)

NOT TO SCALE



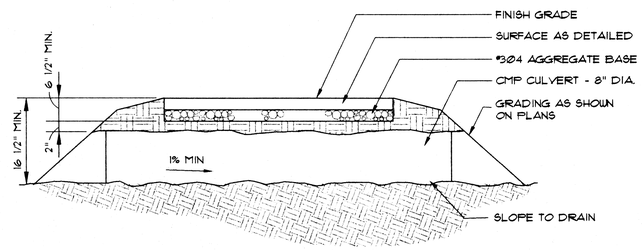
6/24 YARD INLET

NOT TO SCALE



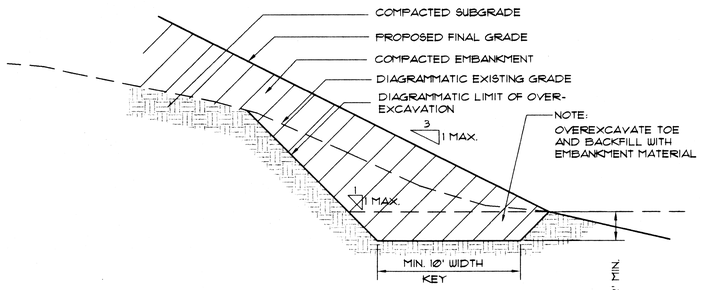
2/24 TYP. STORM MANHOLE

NOT TO SCALE



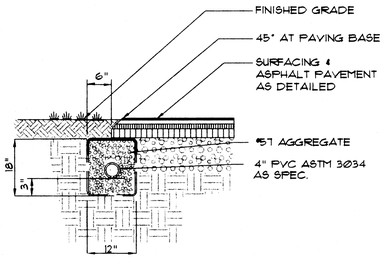
3/24 TRAIL CULVERT SECTION

NOT TO SCALE



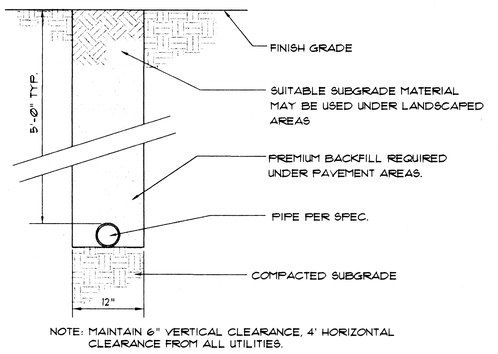
4/24 TYP. EMBANKMENT KEYING

NOT TO SCALE



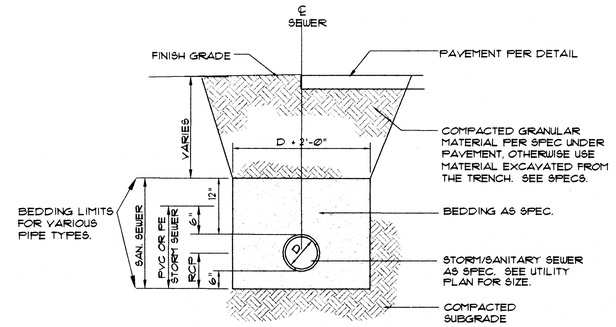
5/24 PAVEMENT WITH SUBDRAIN

NOT TO SCALE



7/24 WATER LINE TRENCH

NOT TO SCALE



8/24 STORM / SANITARY SEWER TRENCH

NOT TO SCALE

PROJ. NO: 436901
SCALE: AS NOTED
FILE NO: DT02
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

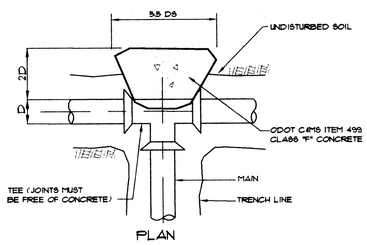
SITE DETAILS

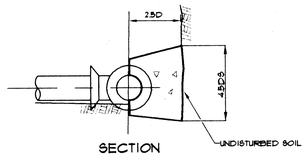
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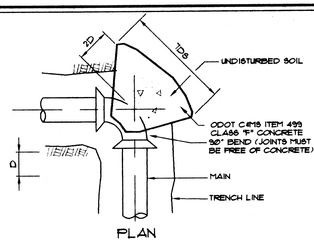
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24 OF 50

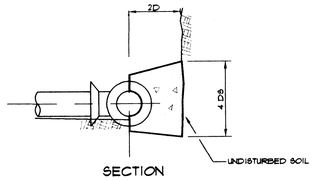
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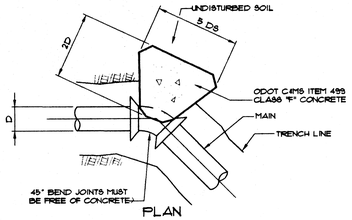


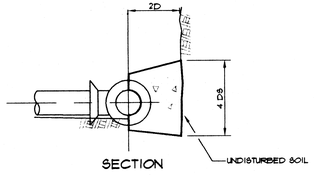
TEE BLOCKING



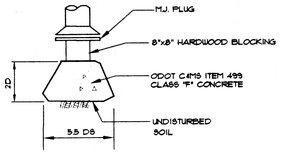


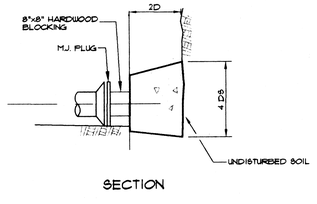
90° BEND BLOCKING



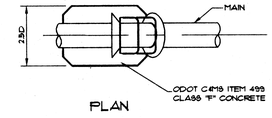


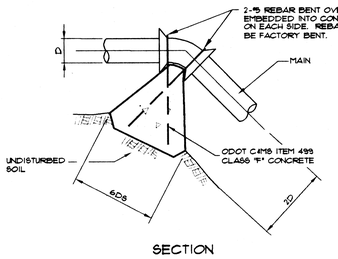
22 1/2° OR 45° BEND BLOCKING





PLUG BLOCKING & FIRE HYDRANT



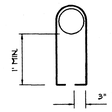


VERTICAL BEND BLOCKING

SOIL FACTOR TABLE		
SOIL TYPE	BRG. CAP. P.S.F.	FACTOR (B)
MUCK	0	
SOFT CLAY	1000	1
STIFF CLAY	3000	0.58
HARD CLAY	6000	0.41
LOOSE SAND	3000	0.58
MEDIUM COMPACT SAND	4000	0.50
VERY COMPACT SAND	12000	0.41
LOOSE GRAVEL AND MIX	6000	0.29
MEDIUM COMPACT MIX	9000	0.33
VERY COMPACT MIX	6000	0.41

$B = \sqrt{\frac{1000}{P.S.F.}}$

BASED ON SOFT CLAY WHERE B=1 AND BEARING PRESSURE = 1000 P.S.F.



TYP. BENT BAR DETAIL

1/25 THRUST BLOCKING DETAIL

NOT TO SCALE

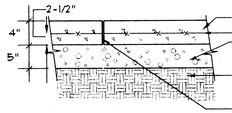
NOTES:

1.) 1/2" EXPANSION JOINT-20' O.C. MAX. OR AS SHOWN ON DRAWINGS AT ALL CURBS, WALKS, WALLS AND OTHER FIXED OBJECTS.

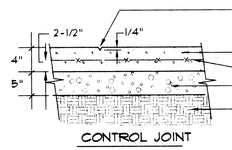
2.) CONTROL JOINT-10' O.C. MAX. OR AS SHOWN ON DRAWINGS.

3.) CROSS SLOPE AT 1/8" PER FOOT MIN. TO DRAIN.

4.) USE EDGING TOOL AT PERIMETER.



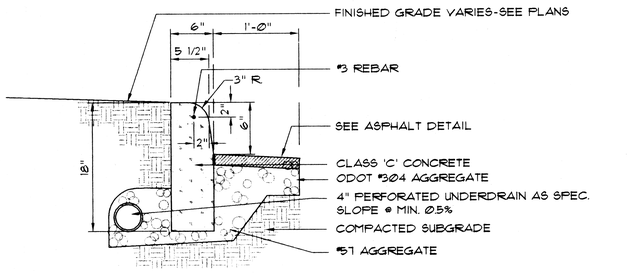
EXPANSION JOINT

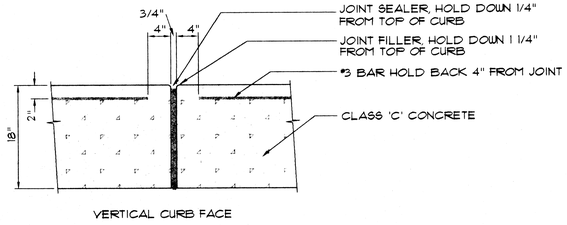


CONTROL JOINT

2/25 TYP. CONCRETE WALK

NOT TO SCALE





VERTICAL CURB FACE

3/25 CONCRETE VERTICAL CURB

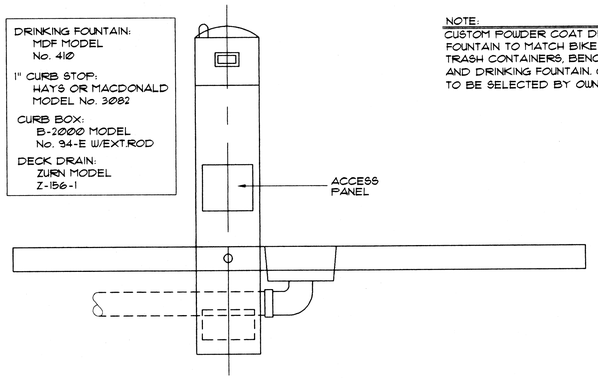
NOT TO SCALE

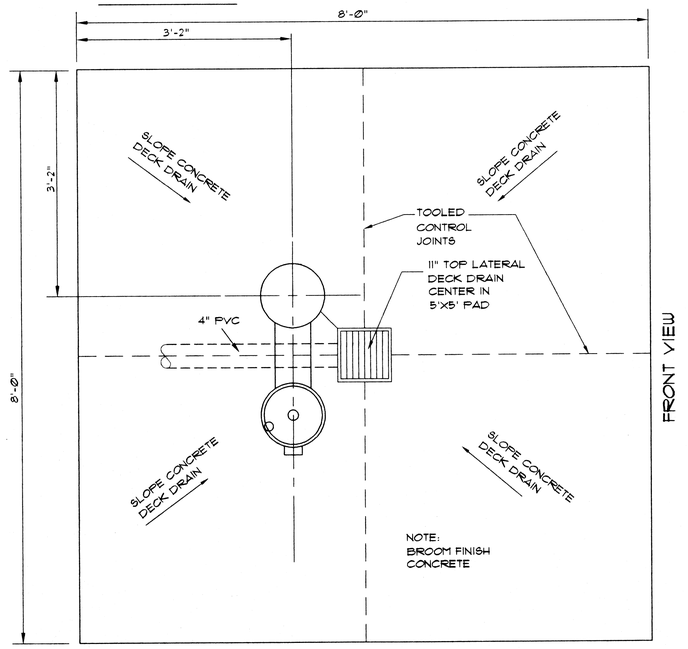
DRINKING FOUNTAIN:
MDF MODEL
No. 410

1" CURB STOP:
HAYS OR MACDONALD
MODEL No. 3082

CURB BOX:
B-22000 MODEL
No. 94-E W/EXT.ROD

DECK DRAIN:
ZURN MODEL
Z-156-1

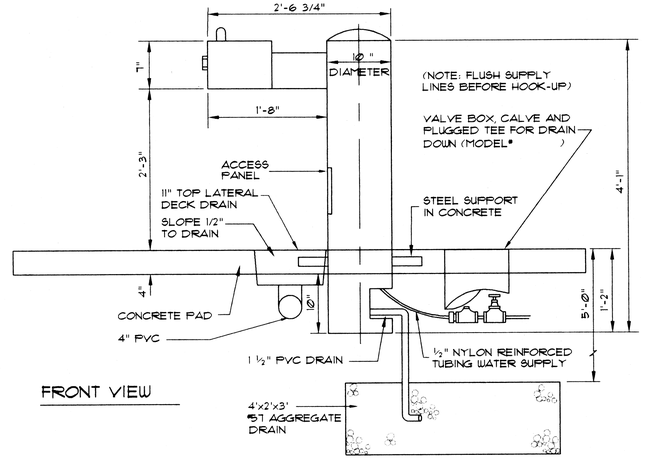


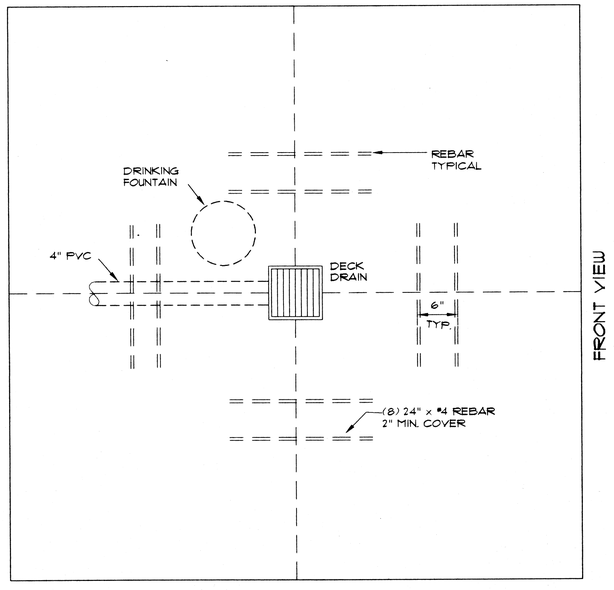


4/25 MDF TYPE DRINKING FOUNTAIN INSTALLATION

NOT TO SCALE

NOTE:
CUSTOM POWDER COAT DRINKING FOUNTAIN TO MATCH BIKE RACK, TRASH CONTAINERS, BENCHES AND DRINKING FOUNTAIN. COLOR TO BE SELECTED BY OWNER.





PROJ. NO: 436901
SCALE: AS NOTED
FILE NO: DT03
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

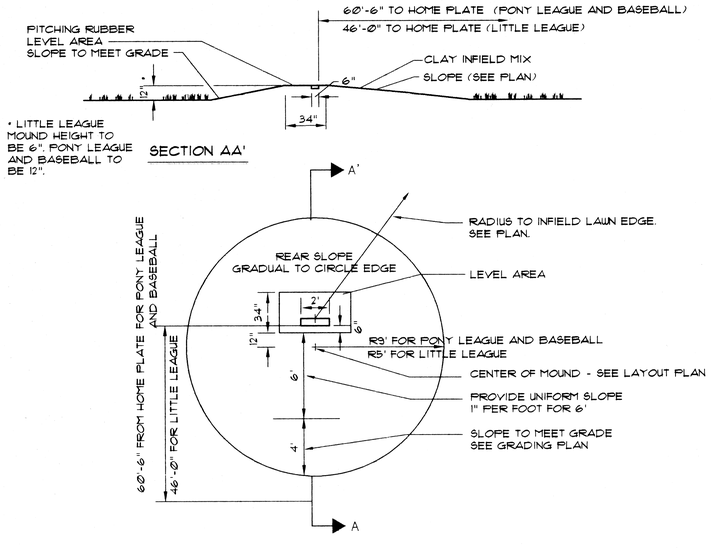
SITE DETAILS

CITY OF MASSILLON-S.R. 241 PARK SITE

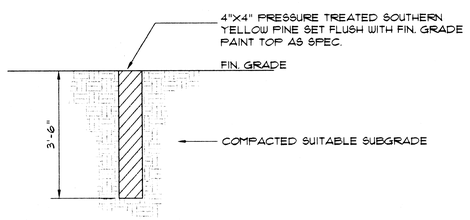
EDG ENVIRONMENTAL DESIGN GROUP
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450 GRANT STREET AKRON, OHIO 44311-1183
TEL. (330) 375-1390 FAX. (330) 375-1690

SHEET:
25 OF 50

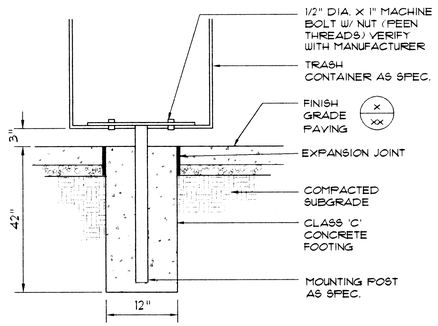
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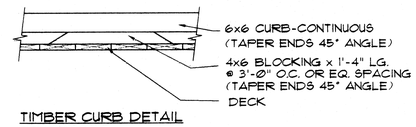
1/26 PITCHER'S MOUND
NOT TO SCALE



2/26 PLAY FIELD TIMBER MONUMENTS
NOT TO SCALE

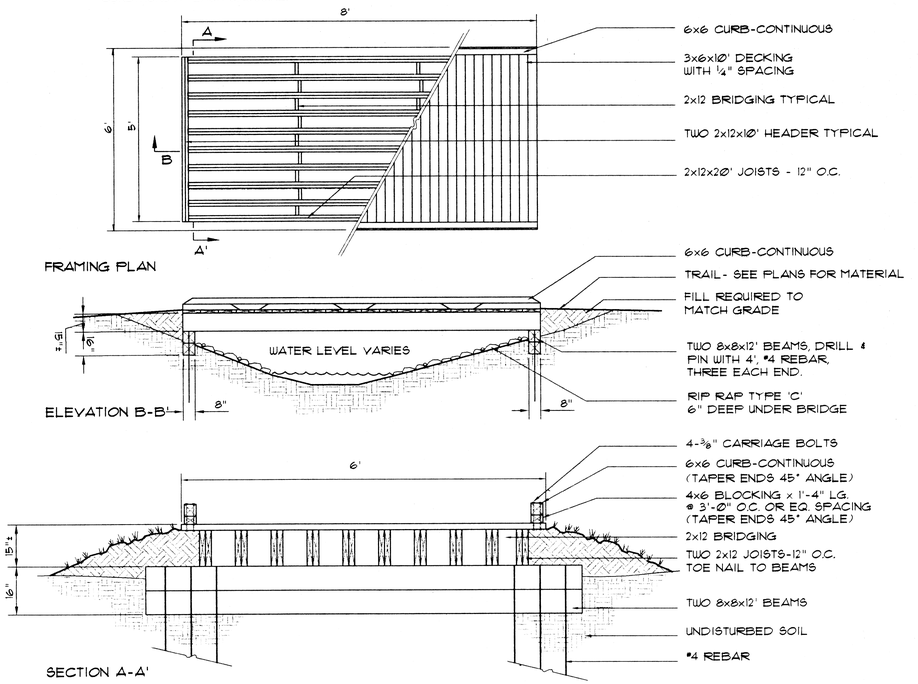


3/26 TRASH CONTAINER FOOTING
NOT TO SCALE

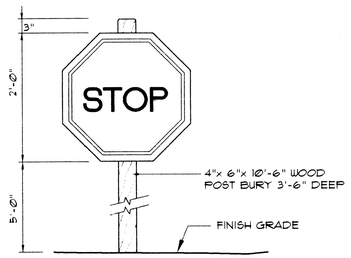


TIMBER CURB DETAIL
NOT TO SCALE

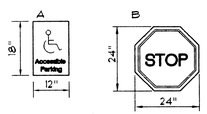
NOTES:
1. ALL LUMBER TO BE C.C.A. PRESSURE TREATED SOUTHERN YELLOW PINE.
3. ALL NAILS AND HARDWARE TO BE HOT-DIPPED GALVANIZED.
4. ACTUAL LENGTH OF FOOTBRIDGE WILL BE DETERMINED BY SITE CONDITIONS AT EACH CROSSING.

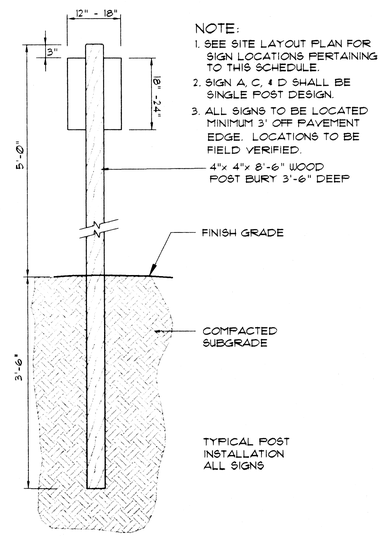


4/26 TIMBER FOOT BRIDGE DETAILS
NOT TO SCALE



TYPICAL SIGN FACE
NOT TO SCALE





NOTE:
1. SEE SITE LAYOUT PLAN FOR SIGN LOCATIONS PERTAINING TO THIS SCHEDULE.
2. SIGN A, C, & D SHALL BE SINGLE POST DESIGN.
3. ALL SIGNS TO BE LOCATED MINIMUM 3' OFF PAVEMENT EDGE. LOCATIONS TO BE FIELD VERIFIED

TYPICAL SIGN FACE - SINGLE POST
NOT TO SCALE

5/26 SIGN SCHEDULE
NOT TO SCALE

PROJ. NO: 436901
SCALE: AS NOTED
FILE NO: DT04
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

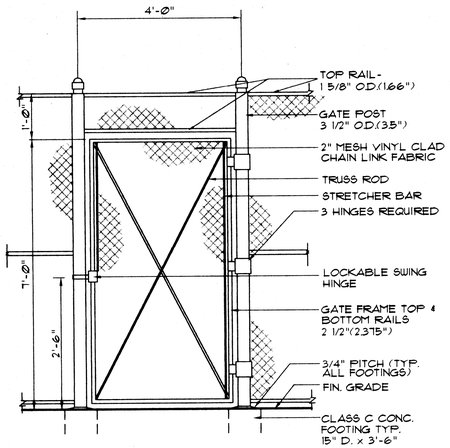
SITE DETAILS

CITY OF MASSILLON-S.R. 241 PARK SITE

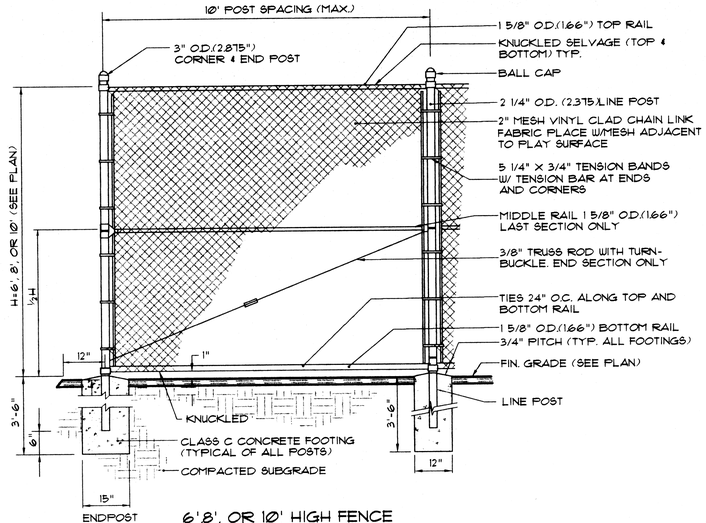
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460 GRANT STREET ACRON, OHIO 44311-1183
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SHEET:
26 OF 50

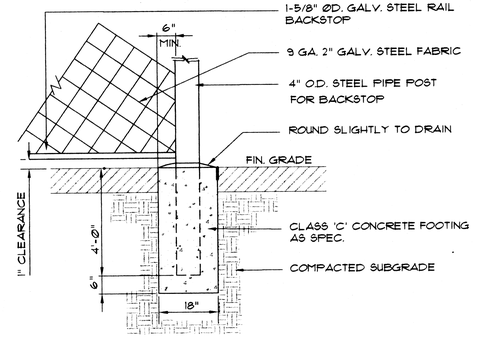
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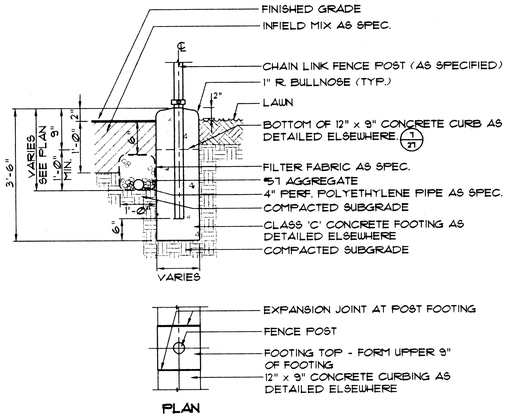
GATE DETAIL
NOT TO SCALE



6',8', OR 10' HIGH FENCE
NOT TO SCALE

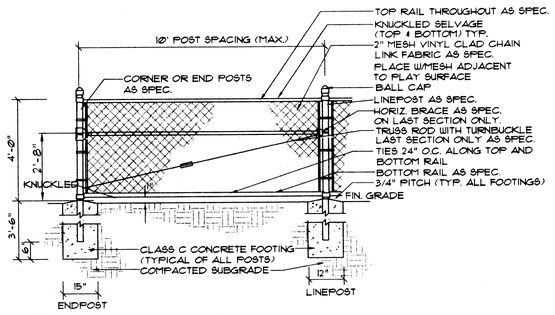


6/27 BALLFIELD BACKSTOP FOOTING
NOT TO SCALE

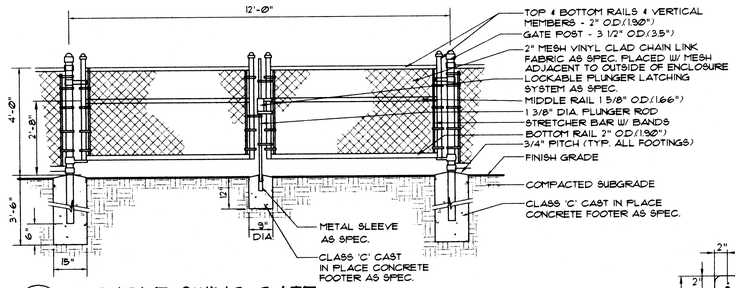


9/27 INFIELD DETAIL
NOT TO SCALE

1/27 VINYL CLAD CHAIN LINK FENCE
NOT TO SCALE

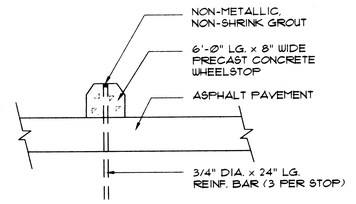


2/27 4' HIGH FENCE
NOT TO SCALE

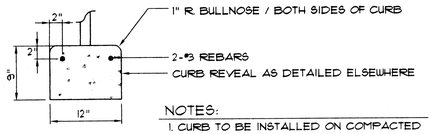


4/27 DOUBLE SWING GATE
NOT TO SCALE

NOTE:
POSITION WHEEL STOP IN CENTER OF PARKING SPACE AS SHOWN ON SITE PLAN.

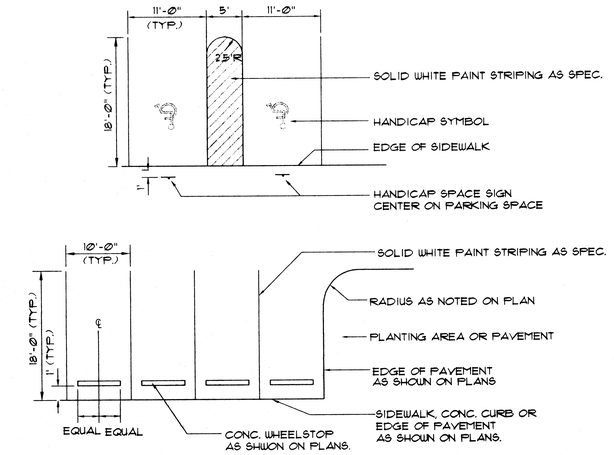


10/27 TYPICAL PRECAST WHEELSTOP
NOT TO SCALE

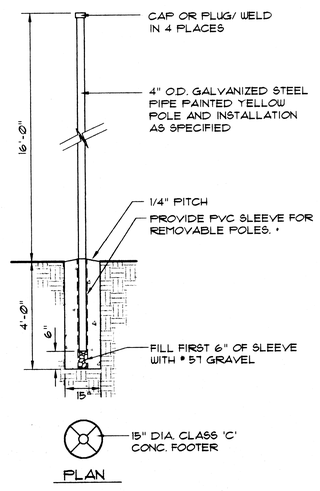


NOTES:
1. CURB TO BE INSTALLED ON COMPACTED SUBGRADE.
2. FENCE POST FOOTER TO BE INDEPENDENT OF OTHER ABUTTING CURBS. PROVIDE EXPANSION JOINT AT INTERFACE.
3. CONCRETE CURB SHALL BE INSTALLED NO SOONER THAN 24 HOURS AFTER POST FOOTERS HAVE BEEN COMPLETED.

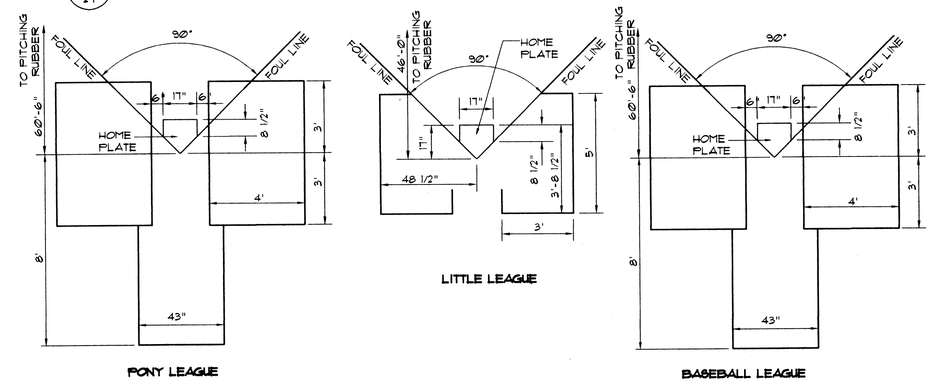
7/27 BALLFIELD CURBING
NOT TO SCALE



3/27 PARKING LOT STRIPING
NOT TO SCALE



5/27 REMOVABLE & PERMANENT FOUL LINE POLE
NOT TO SCALE



8/27 BASE LAYOUT
NOT TO SCALE

PROJ. NO: 436901
SCALE: AS NOTED
FILE NO: DT05
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

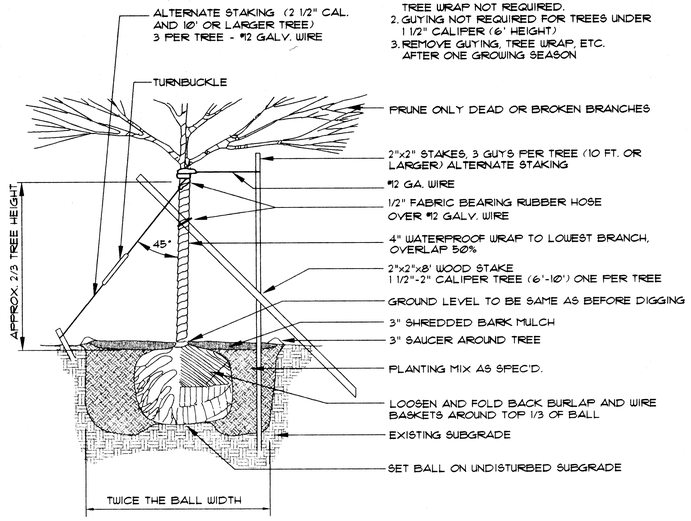
SITE DETAILS

CITY OF MASSILLON-S.R. 241 PARK SITE

EDG ENVIRONMENTAL DESIGN GROUP
ENGINEERS • LANDSCAPE ARCHITECTS • SURVEYORS
450 GRANT STREET AKRON, OHIO 44311-1183
TEL. (330) 375-1390 FAX. (330) 375-1690

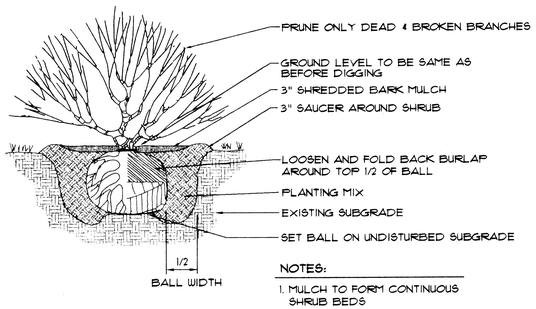
SHEET:
27 OF 50

E:\MASSILLON\436901\CADD\dt05.dwg Sun Jul 26 23:02:44 1998 Environmental Design Group, Inc.



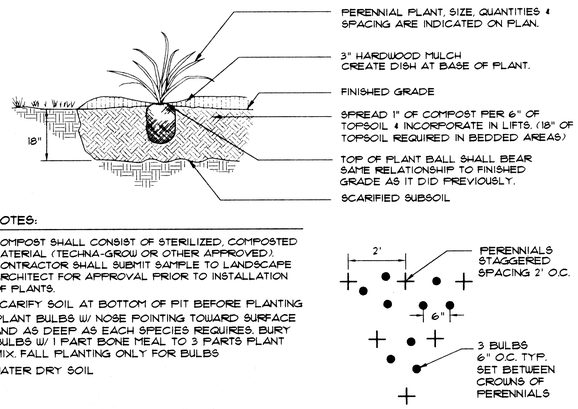
NOTES:
1. EVERGREEN TREE PLANTING SIMILAR BUT TREE WRAP NOT REQUIRED.
2. GUYING NOT REQUIRED FOR TREES UNDER 1 1/2" CALIPER (6' HEIGHT)
3. REMOVE GUYING, TREE WRAP, ETC. AFTER ONE GROWING SEASON

1 / 28 TREE PLANTING DETAIL
NOT TO SCALE



NOTES:
1. MULCH TO FORM CONTINUOUS SHRUB BEDS

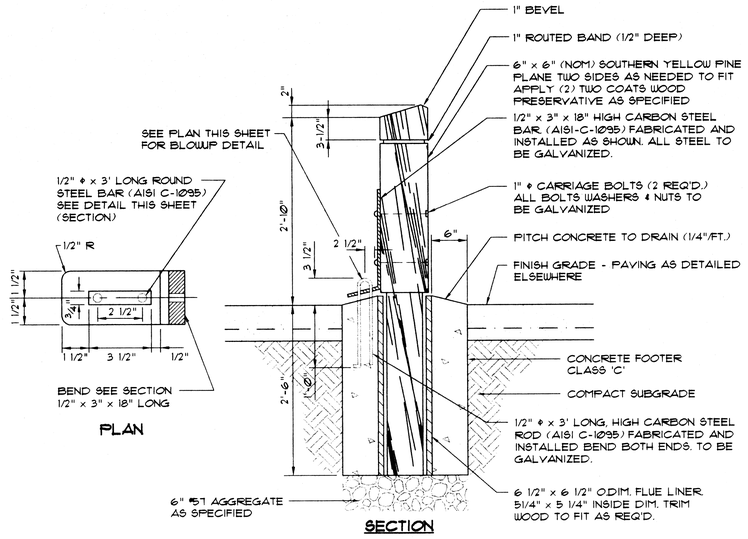
2 / 28 SHRUB PLANTING DETAIL
NOT TO SCALE



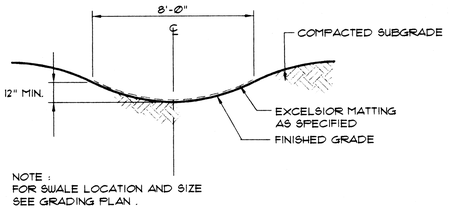
NOTES:
1. COMPOST SHALL CONSIST OF STERILIZED, COMPOSTED MATERIAL (TECHNA-GROW OR OTHER APPROVED). CONTRACTOR SHALL SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION OF PLANTS.
2. SCARIFY SOIL AT BOTTOM OF PIT BEFORE PLANTING
3. PLANT BULBS W/ NOSE POINTING TOWARD SURFACE AND AS DEEP AS EACH SPECIES REQUIRES. BURY BULBS W/ 1 PART BONE MEAL TO 3 PARTS PLANT MIX. FALL PLANTING ONLY FOR BULBS
4. WATER DRY SOIL

TYP. BULB/PERENNIAL PATTERN

3 / 28 PERENNIAL & BULB PLANTING DETAIL
NOT TO SCALE

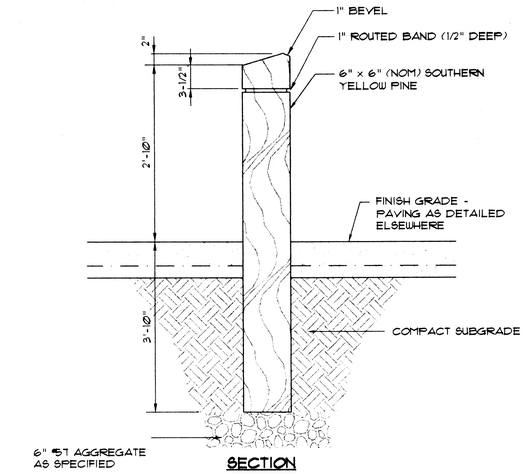


4 / 28 REMOVABLE WOOD BOLLARDS
NOT TO SCALE

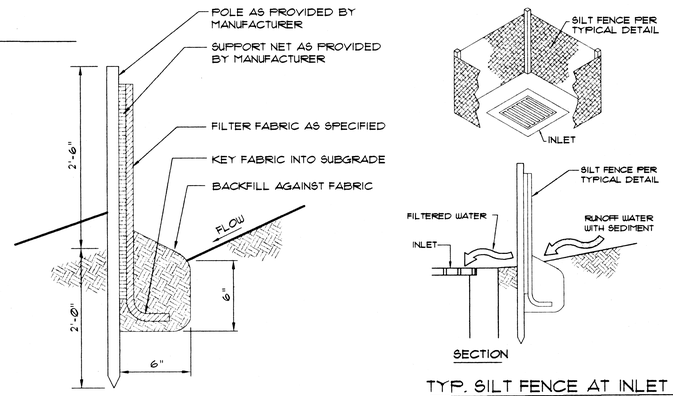


NOTE :
FOR SWALE LOCATION AND SIZE SEE GRADING PLAN .

5 / 28 TYP. PARABOLIC GRASS SWALE
NOT TO SCALE

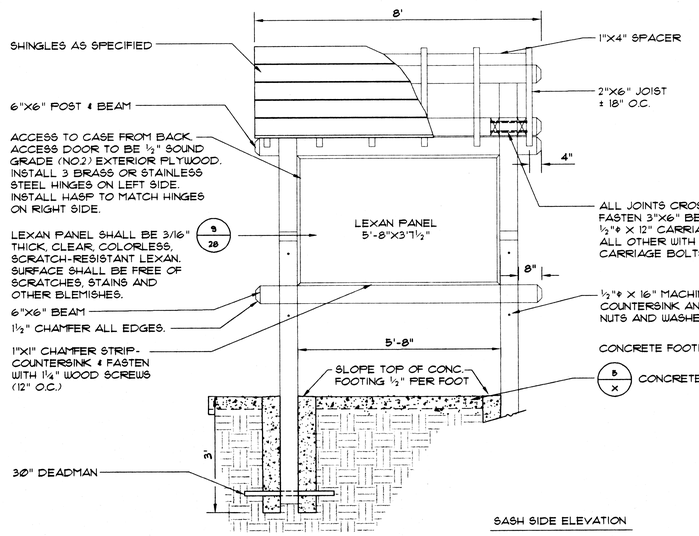


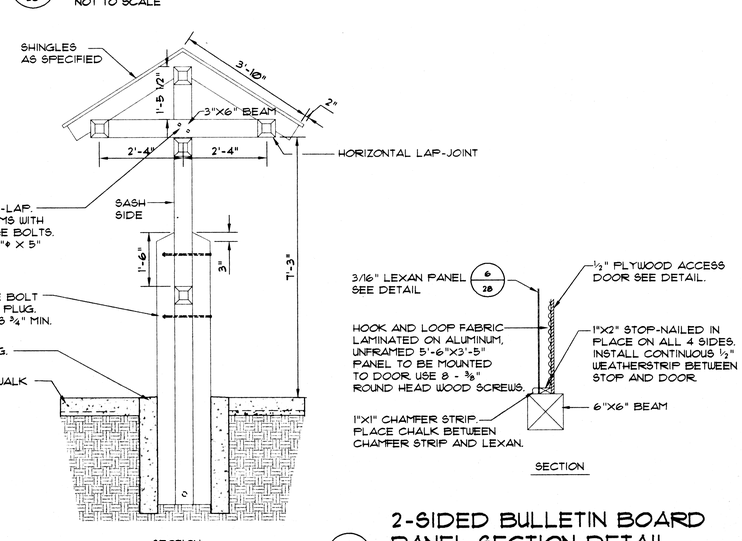
7 / 28 WOOD BOLLARDS
NOT TO SCALE



TYP. SILT FENCE AT INLET
NOT TO SCALE

8 / 28 SILT FENCE
NOT TO SCALE





9 / 28 2-SIDED BULLETIN BOARD PANEL SECTION DETAIL
NOT TO SCALE

6 / 28 2-SIDED BULLETIN BOARD DETAIL
NOT TO SCALE

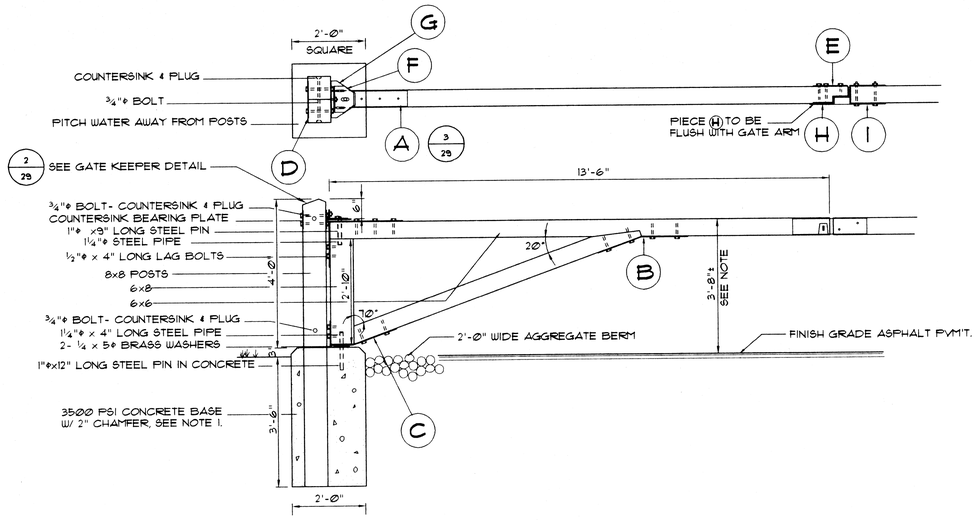
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FILE NO: DT06
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

SITE DETAILS
CITY OF MASSILLON-S.R. 241 PARK DETAILS

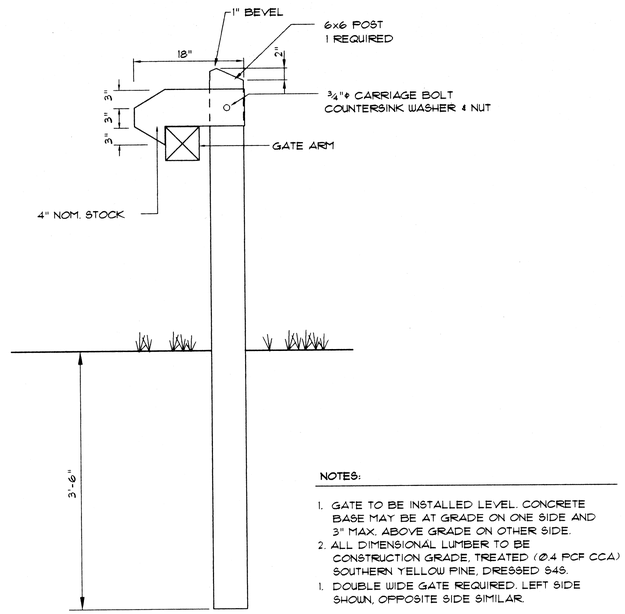
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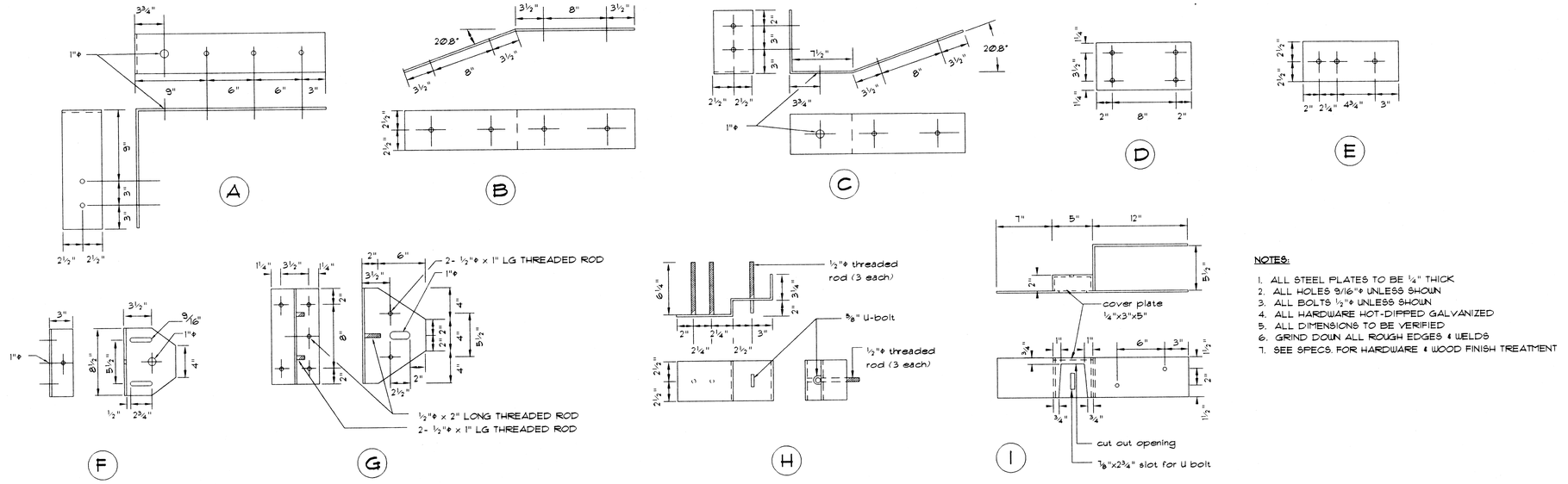
1/29 TIMBER GATE
NOT TO SCALE



NOTES:

1. GATE TO BE INSTALLED LEVEL. CONCRETE BASE MAY BE AT GRADE ON ONE SIDE AND 3" MAX. ABOVE GRADE ON OTHER SIDE.
2. ALL DIMENSIONAL LUMBER TO BE CONSTRUCTION GRADE, TREATED (Ø.4 PCF CCA) SOUTHERN YELLOW PINE, DRESSED S4S.
1. DOUBLE WIDE GATE REQUIRED. LEFT SIDE SHOWN, OPPOSITE SIDE SIMILAR.

2/29 GATE KEEPER
NOT TO SCALE



NOTES:

1. ALL STEEL PLATES TO BE ¼" THICK
2. ALL HOLES 9/16"ø UNLESS SHOWN
3. ALL BOLTS ½"ø UNLESS SHOWN
4. ALL HARDWARE HOT-DIPPED GALVANIZED
5. ALL DIMENSIONS TO BE VERIFIED
6. GRIND DOWN ALL ROUGH EDGES & WELDS
7. SEE SPECS. FOR HARDWARE & WOOD FINISH TREATMENT

3/29 TIMBER GATE HARDWARE DETAILS
NOT TO SCALE

PROJ. NO: 436901
SCALE: AS NOTED
FILE NO: DT07
DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

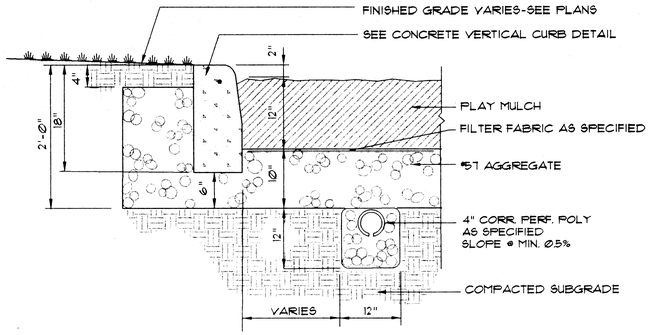
TIMBER GATE DETAILS

CITY OF MASSILLON-SR 241 PARK SITE

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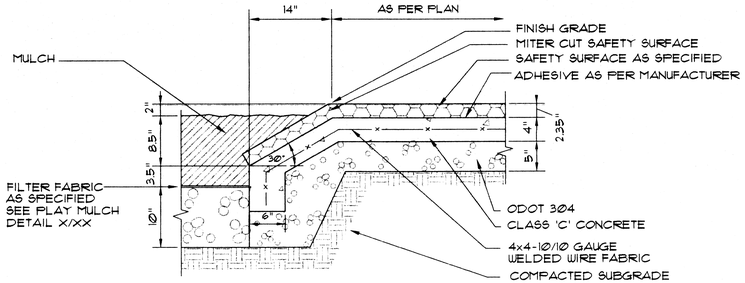
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29 OF 50

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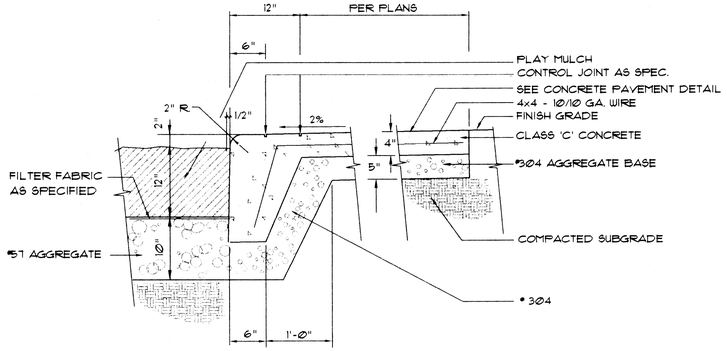
PLAY AREA MULCH/CONCRETE CURB/UNDERDRAIN DETAIL

1/30 NOT TO SCALE



SAFETY SURFACE

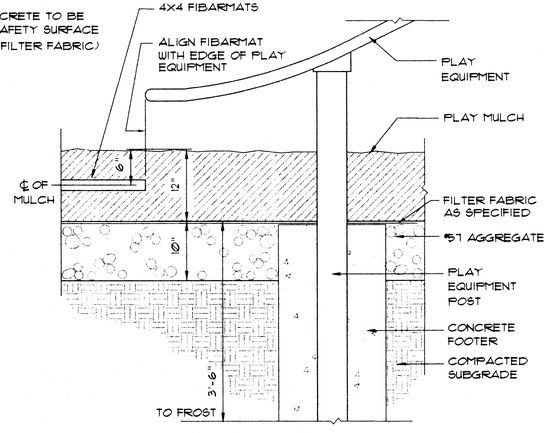
4/30 NOT TO SCALE



PLAY AREA INTEGRAL CONCRETE CURB AND WALK

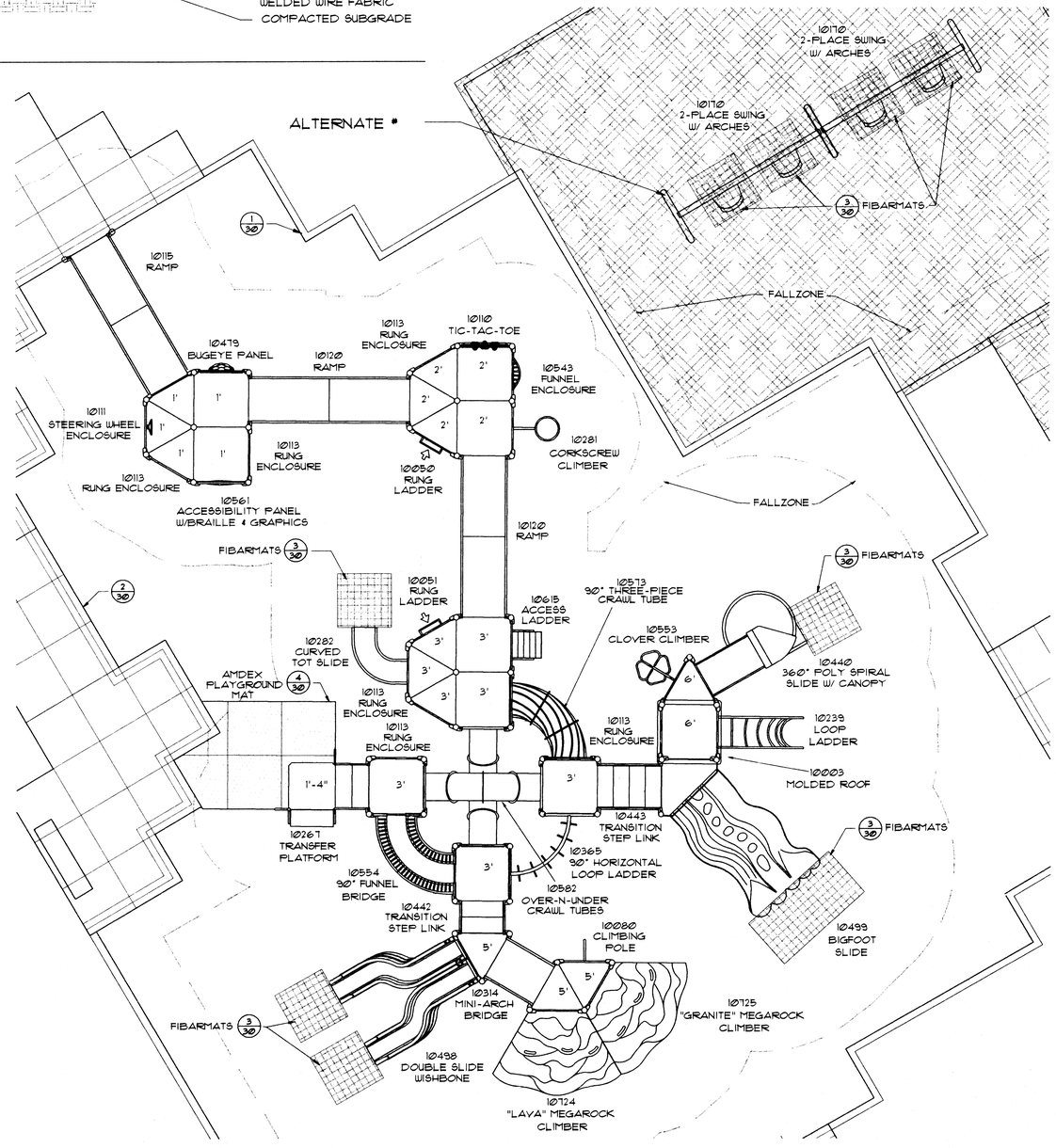
2/30 NOT TO SCALE

NOTE:
ALL CONCRETE TO BE BELOW SAFETY SURFACE MULCH & FILTER FABRIC)



PLAY EQUIPMENT FOOTING & FIBARMAT DETAILS

3/30 NOT TO SCALE



PLAY EQUIPMENT COMPONENTS

5/30 NOT TO SCALE

PROJ. NO: 436901
SCALE: AS NOTED
FILE NO: DT08
DRAWN BY: DRG, SVE, HAH
CHKD BY: DJM, JLC
DATE ISSUED: 7-27-98
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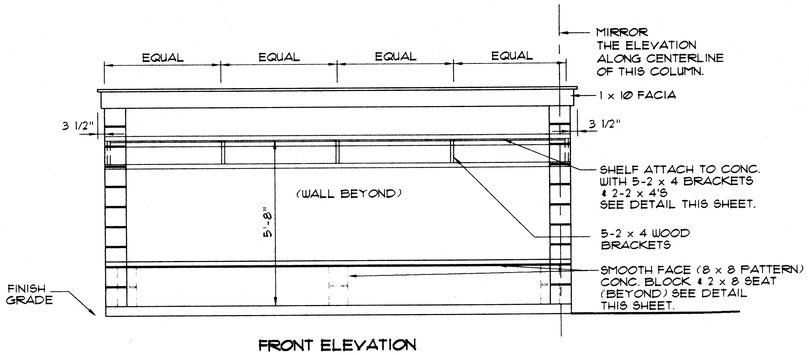
SITE DETAILS

CITY OF MASSILLON-S.R. 241 PARK SITE

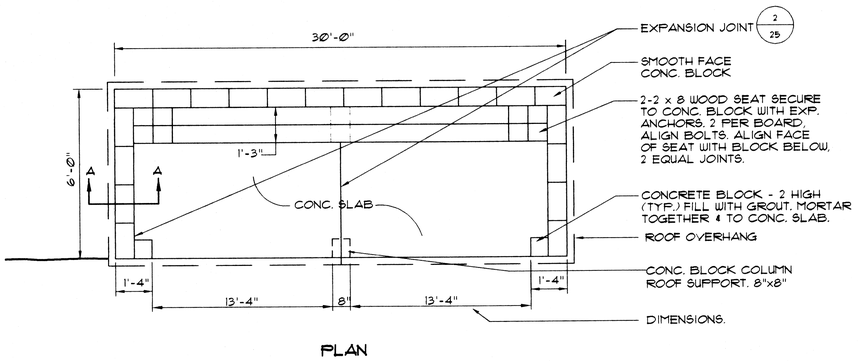
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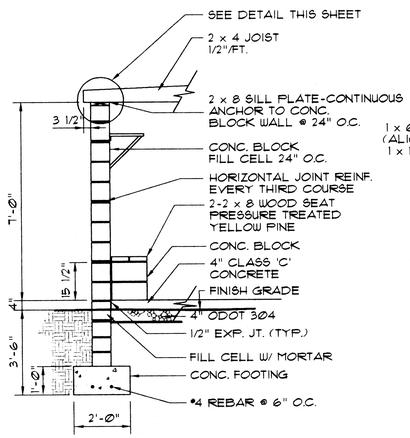
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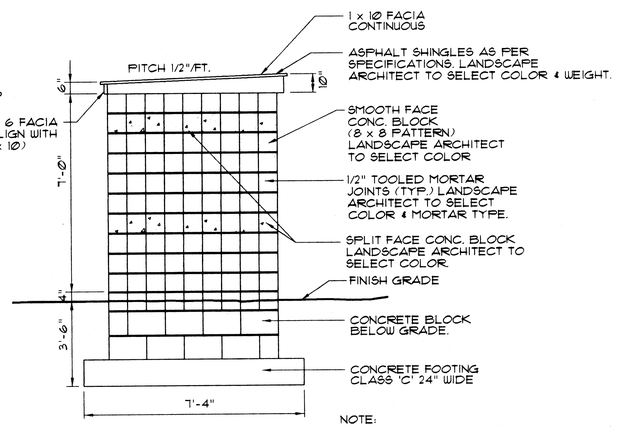
FRONT ELEVATION



PLAN



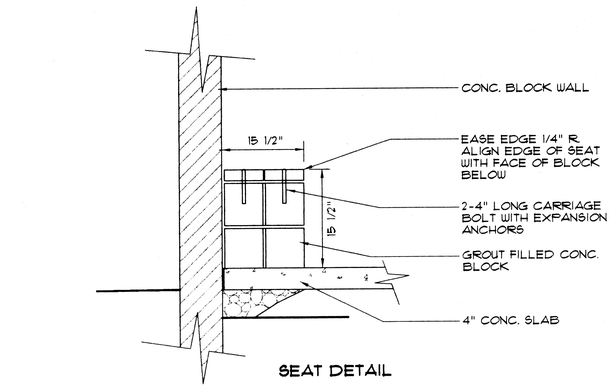
SECTION A-A



SIDE ELEVATION

NOTE:
DUGOUT TO MATCH BUILDING. REFER TO SPECIFICATIONS FOR MATERIAL TYPES AND COLORS.

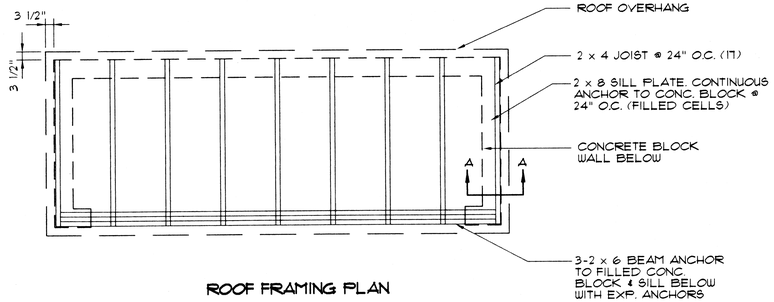
FOUNDATION DETAIL



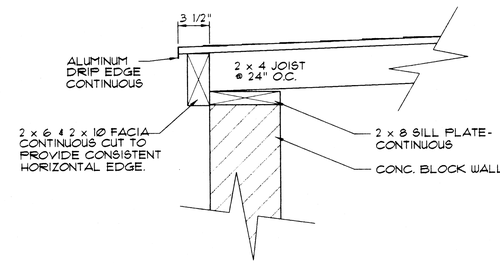
SEAT DETAIL

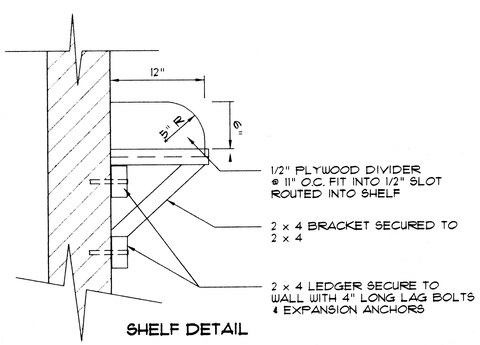
NOTES:

1. ALL LUMBER SHALL BE EXTERIOR GRADE DRY NO. 1 SPRUCE.
2. ALL WOOD (EXCEPT BENCHES) SHALL BE PAINTED WITH ONE COAT OF SHERWIN WILLIAMS PRIMER AND 2 COATS SHERWIN WILLIAMS EXTERIOR LATEX PAINT.
3. BENCH SEAT SHALL BE PRESSURE TREATED YELLOW PINE.

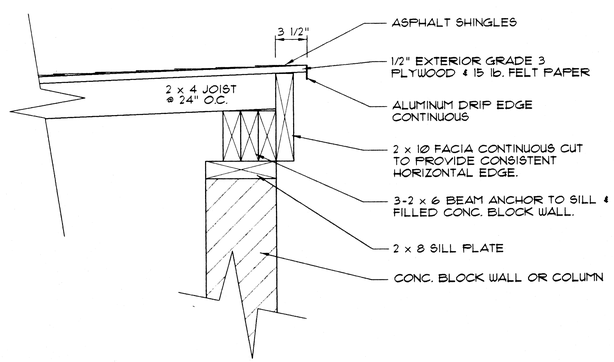


ROOF FRAMING PLAN





SHELF DETAIL



1/31 DUGOUT DETAIL
NOT TO SCALE

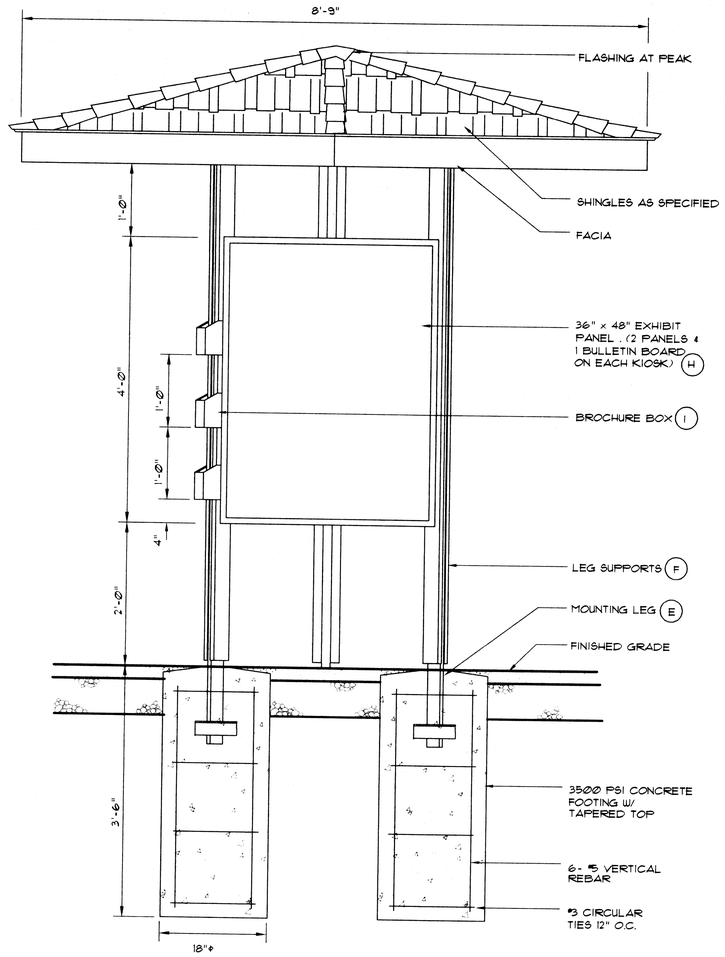
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FILE NO: DT09
DRAWN BY: DRG, SVE, HAH.
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
REVISED:

SITE DETAILS DUGOUT
CITY OF MASSILLON-S.R. 241 PARK SITE

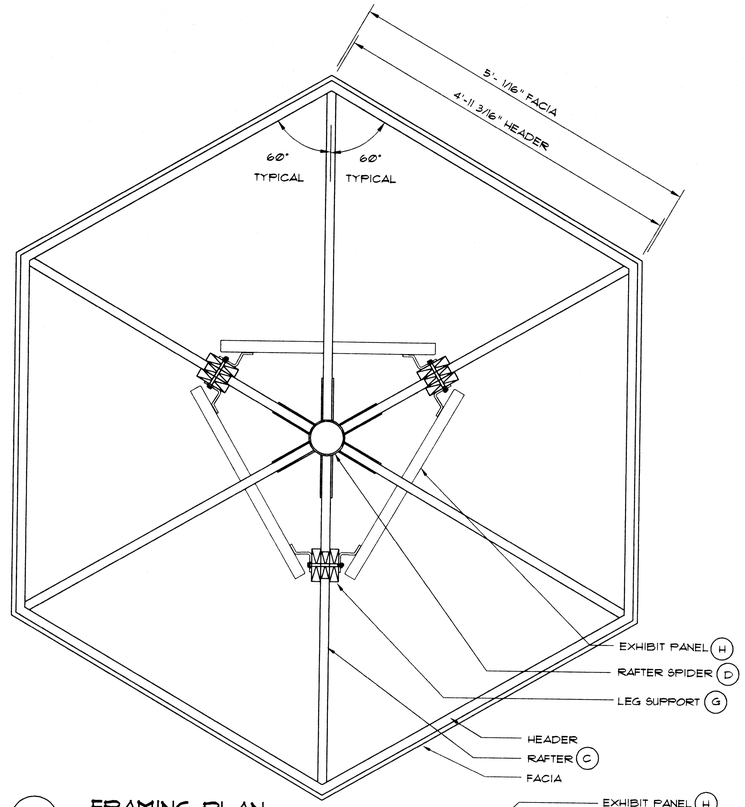
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31 OF 50

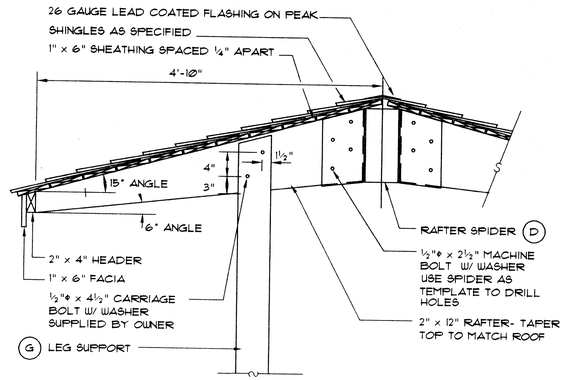
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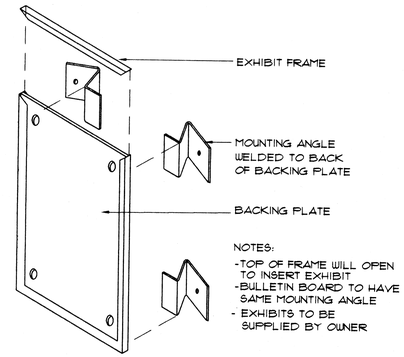
A ELEVATION
SCALE 1"=1'-Ø"



B FRAMING PLAN
SCALE 1"=1'-Ø"



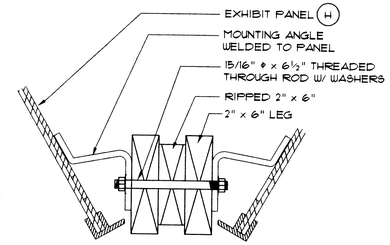
C RAFTER PLAN
SCALE 1"=1'-Ø"



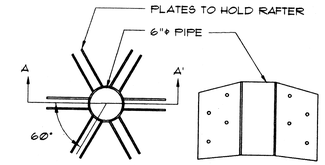
H EXHIBIT PANEL
NO SCALE



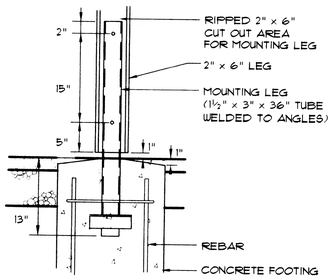
F LEG SUPPORT
SCALE 3"=1'-Ø"



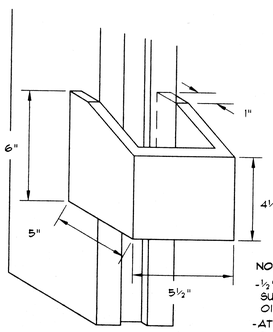
G MOUNTING ANGLE TO LEG SUPPORT
SCALE 3"=1'-Ø"



D RAFTER SPIDER
SCALE 1"=1'-Ø"

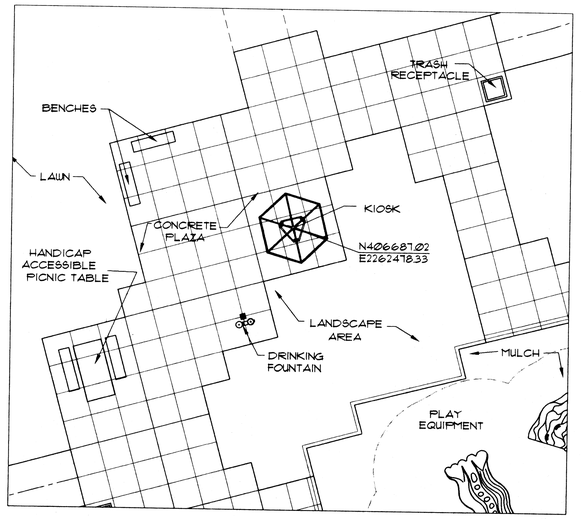


E LEG MOUNT SECTION
SCALE 1"=1'-Ø"

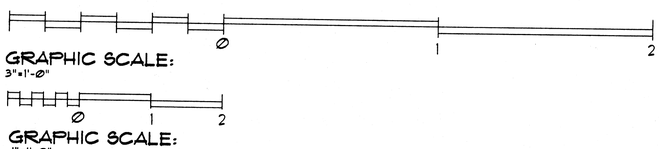


NOTE:
- ½" STOCK STAINED TO MATCH LEG SUPPORTS (JAVA BROWN SOLID COLOR OIL STAIN BY PGH. PAINTS OR EQUAL)
- ATTACH TO LEG SUPPORTS USING GALVANIZED SCREWS

I BROCHURE BOX
NOT TO SCALE



PLAN VIEW OF KIOSK
SCALE 1"=10'



1/32 KIOSK DETAIL (ALTERNATE # 7)
NOT TO SCALE

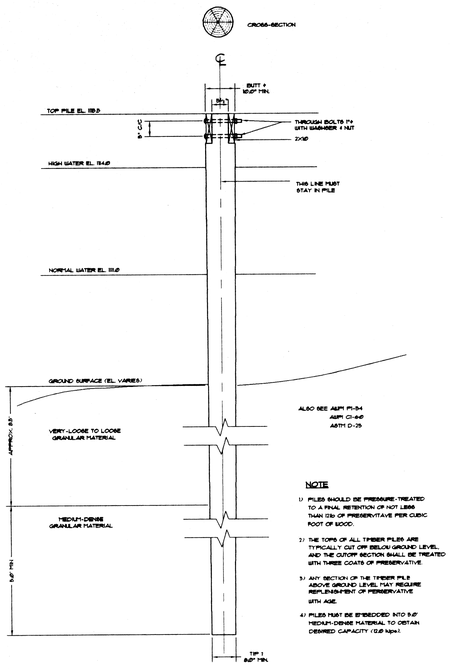
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DRAWN BY: DRG, SVE, HAH
CHKD. BY: DJM, JLC
DATE ISSUED: 7-27-98
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SITE DETAILS
KIOSK
CITY OF MASSILLON-S.R. 241 PARK SITE

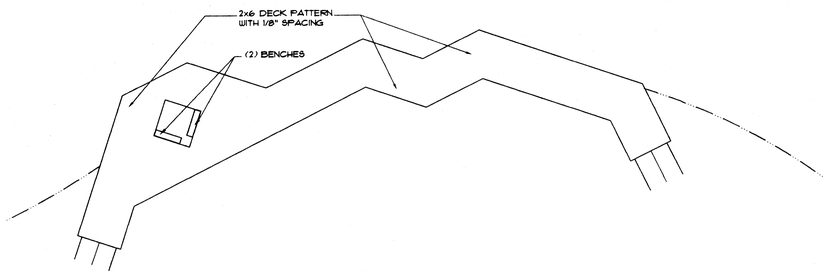
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32 OF 50

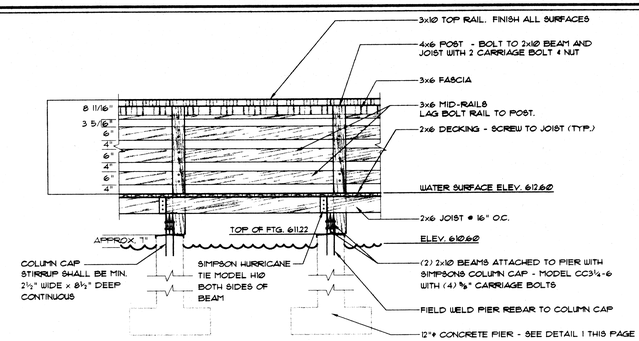
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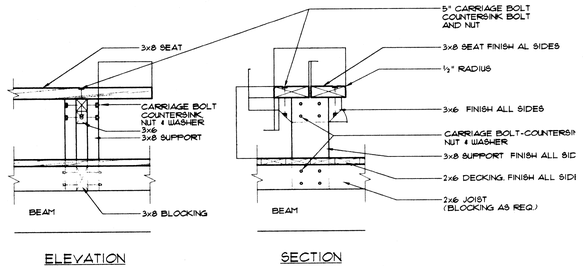
1/33 TYPICAL FOOTER DETAIL
NOT TO SCALE



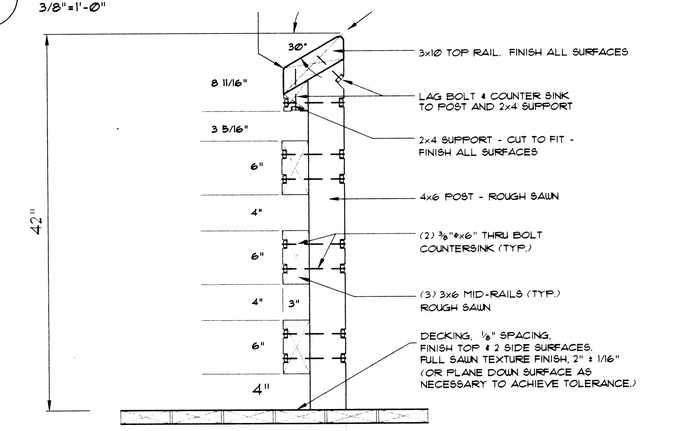
3/33 DECKING PLAN
1/16"=1'-0"



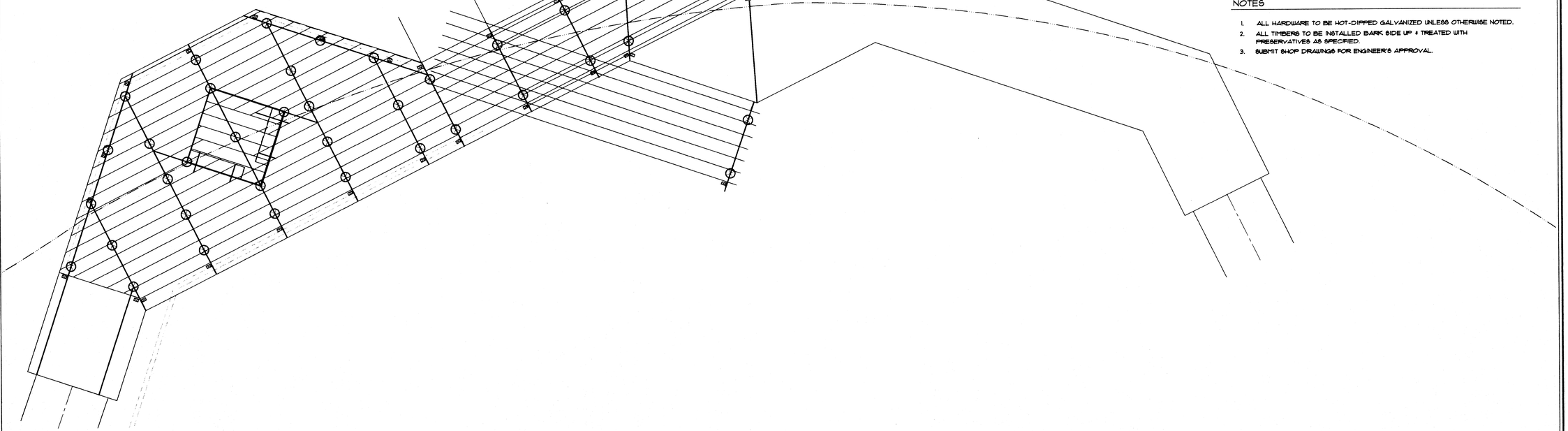
5/33 TYPICAL DECK SECTION
3/8"=1'-0"



4/33 BENCH DETAIL
NOT TO SCALE



6/33 RAIL DETAIL
1-½"=1'-0"



2/33 DECK LAYOUT PLAN
SCALE: 3/16"=1'-0"

NOTES

1. ALL HARDWARE TO BE HOT-DIPPED GALVANIZED UNLESS OTHERWISE NOTED.
2. ALL TIMBERS TO BE INSTALLED BARK SIDE UP & TREATED WITH PRESERVATIVES AS SPECIFIED.
3. SUBMIT SHOP DRAWINGS FOR ENGINEER'S APPROVAL.

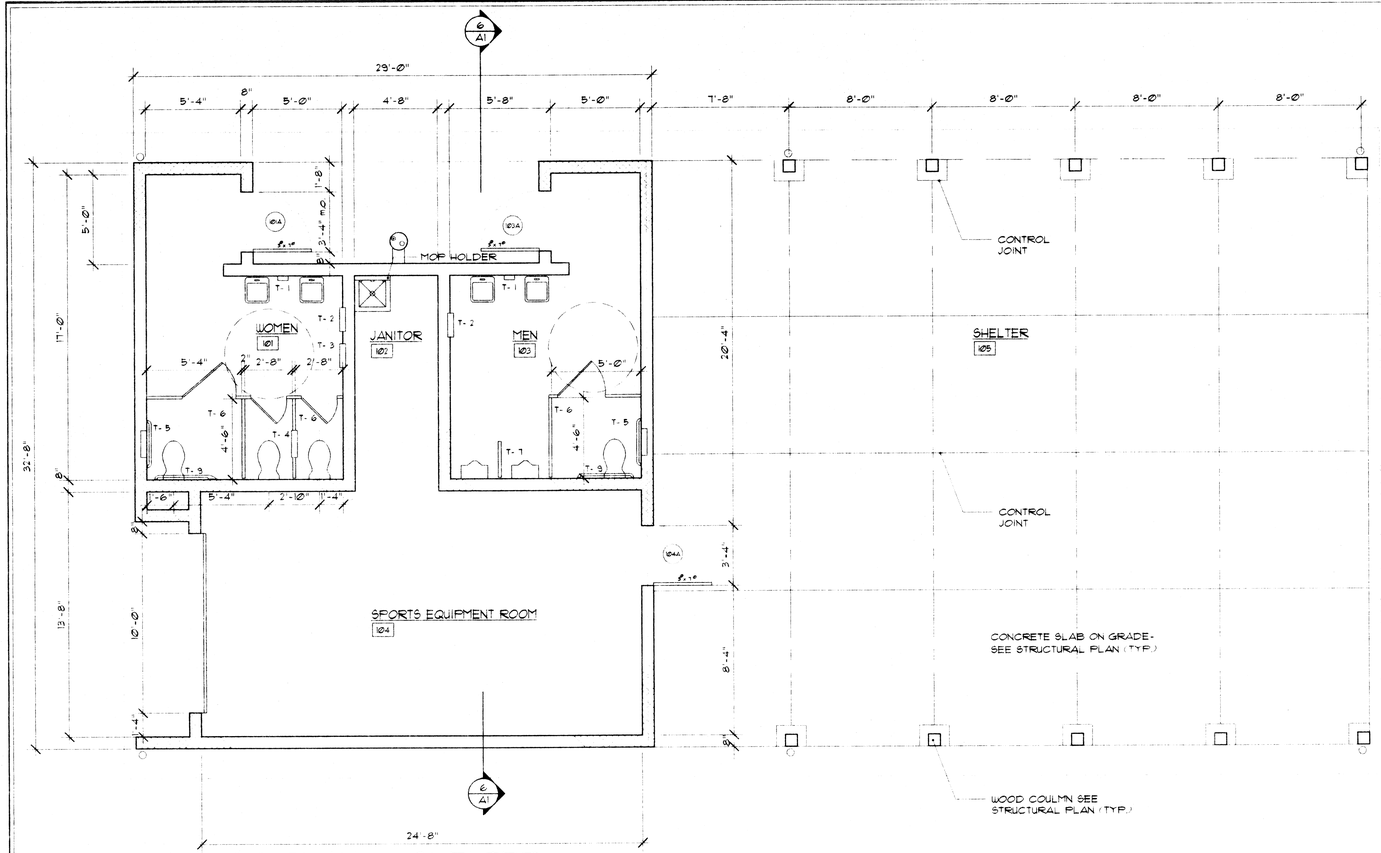
PROJ. NO: 436901
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FILE NO: DT11
DRAWN BY: SVE, HAH
CHKD. BY: DJM
DATE ISSUED: 7-27-98
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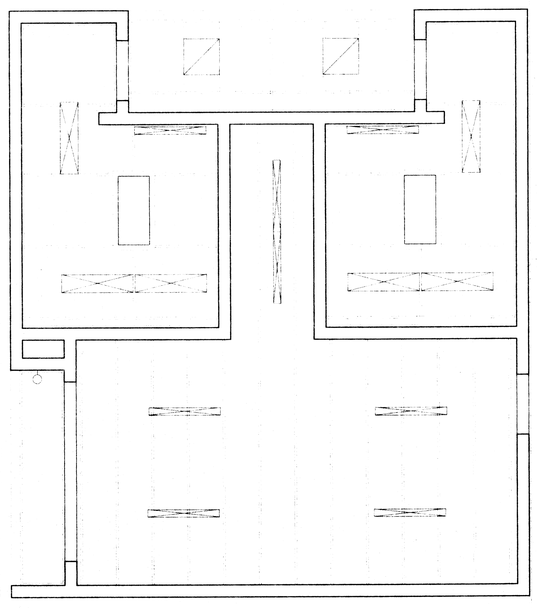
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1/A1 FLOOR PLAN W/ SHELTER
SCALE: 1/4" = 1'-0"



2x6 TONGUE AND GROOVE WOOD DECKING

1/A1 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

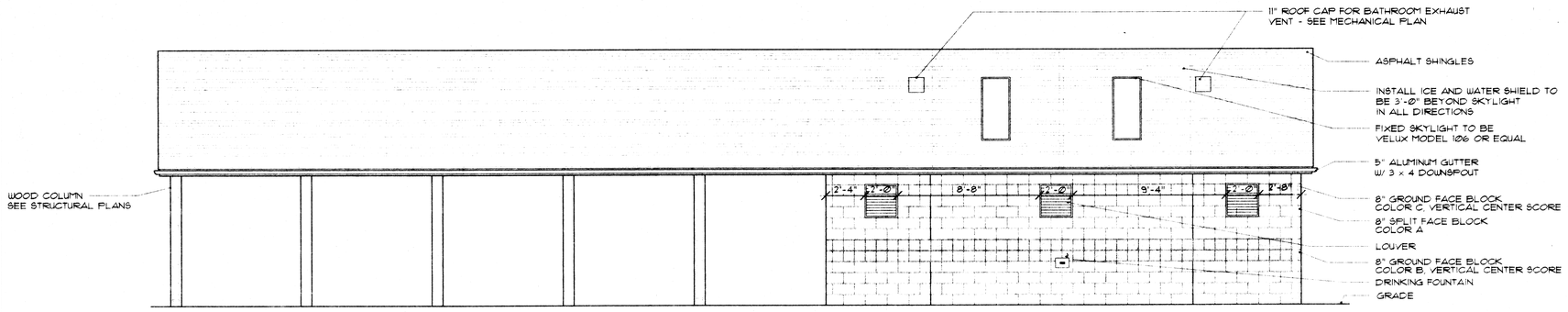
PRELIMINARY
not for construction

PROJ. NO: 9860.00
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CHKD. BY: ced
DATE ISSUED: 07/27/98
REVISED:

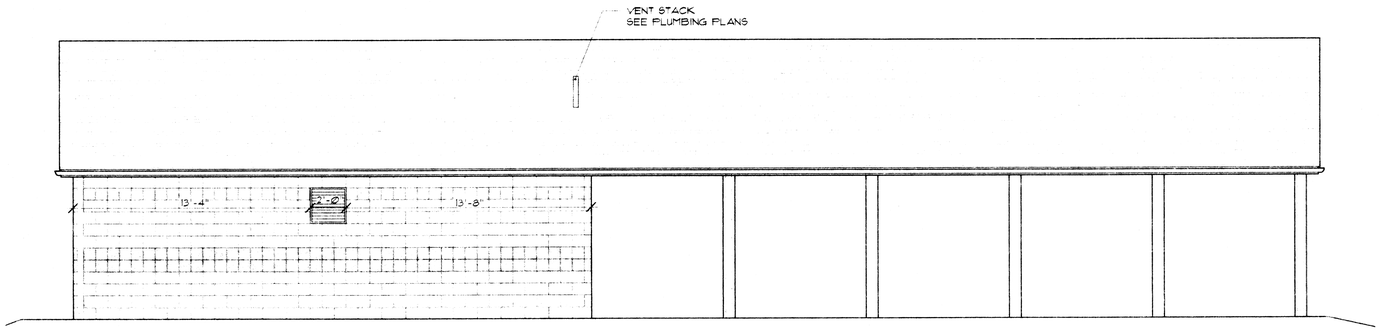
ARCHITECTURAL
RESTROOM/PICNIC BUILDING
CITY OF MASSILLON-S.R. 241 PARK SITE

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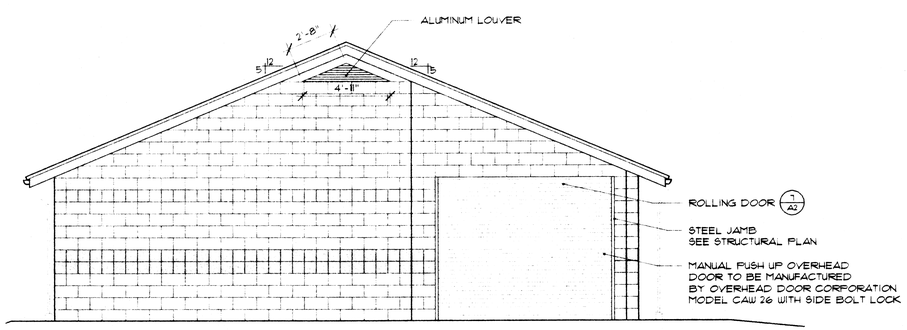
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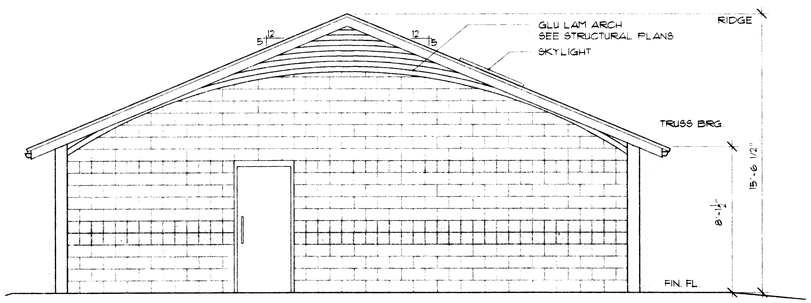
2/A1 SIDE ELEVATION W/ SHELTER
SCALE: 1/4" = 1'-0"



3/A1 SIDE ELEVATION W/ SHELTER
SCALE: 1/4" = 1'-0"



4/A1 REAR ELEVATION
SCALE: 1/4" = 1'-0"



5/A1 FRONT ELEVATION W/SHELTER
SCALE: 1/4" = 1'-0"

PRELIMINARY
not for construction

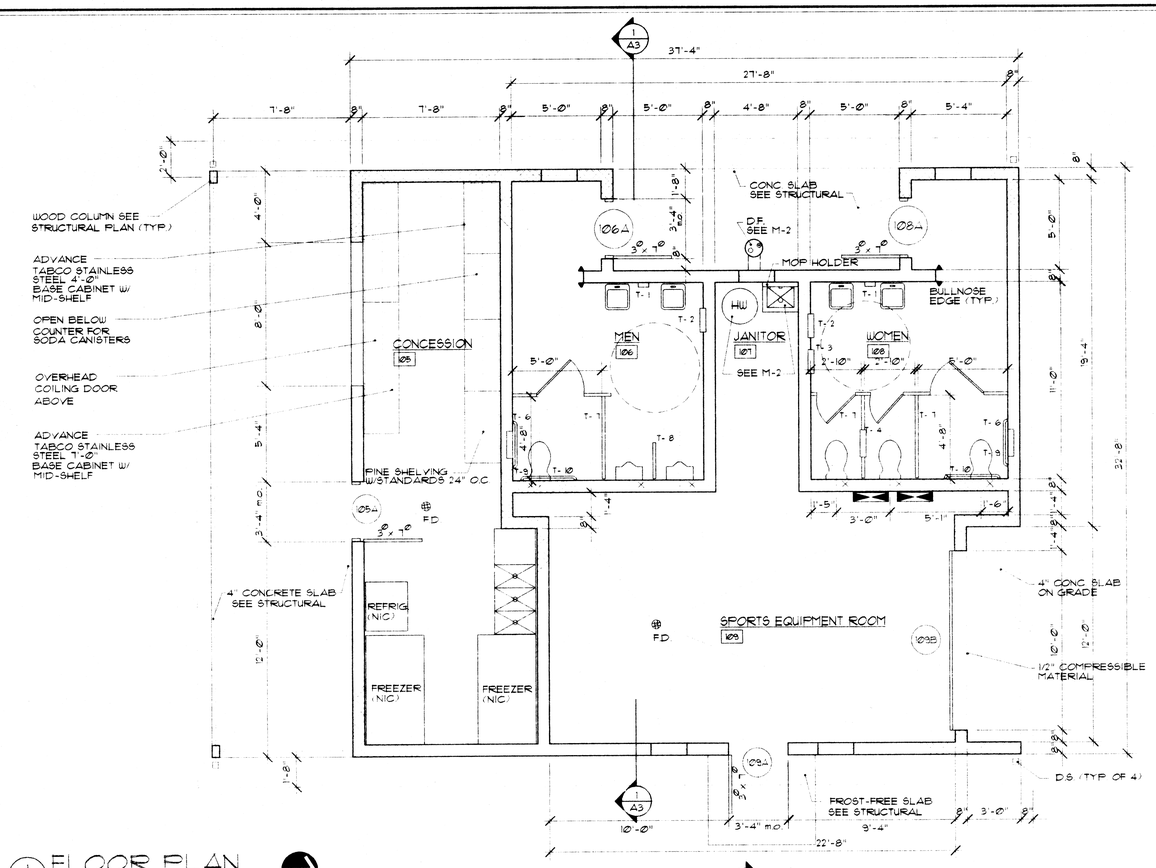
PROJ. NO:	9860.00
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FILE NO:	15a1-2
DRAWN BY:	aml
CHKD. BY:	ced
DATE ISSUED:	07/27/98
REVISED:	

ARCHITECTURAL
RESTROOM/PICNIC BUILDING
CITY OF MASSILLON-S.R. 241 PARK SITE

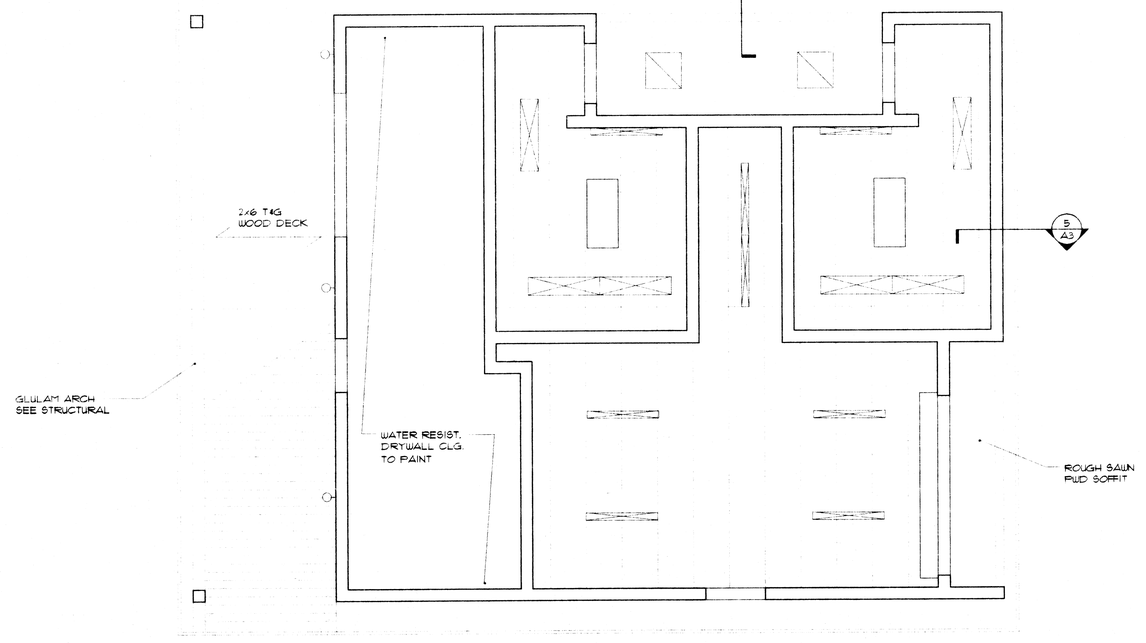
EDG ENVIRONMENTAL DESIGN GROUP
ENGINEERS · LANDSCAPE ARCHITECTS · SURVEYORS
450 GRANT STREET AKRON, OHIO 44311-1163
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A1.2 OF 50

F:\DESIGN PROJECTS\9800.00\9860.00 Massillon City Park\15A1-2.dwg Mon Jul 27 09:56:24 1998 GLO



1/A2 FLOOR PLAN
SCALE: 1/4" = 1'-0"



1/A2 REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

RESTROOM ACCESSORIES LEGEND

KEY	MODEL #	MANUF.	DESCRIPTION
T-1	B-4112	BOBRICK	CONTURA SOAP DISPENSER STAINLESS STEEL W/ KEY ACCESS TO HINGED FILLER-TOP
T-2	B-3961	BOBRICK	ROLL PAPER TOWEL DISPENSER/WASTE RECEPTACLE STAINLESS STEEL
T-3	B-43500	BOBRICK	CONTURA SERIES SANITARY NAPKIN/TAMPON VENDOR STAINLESS STEEL KEY FOR COIN BOX
T-4	B-35101660	BOBRICK	PARTITION MOUNTED NAPKIN DISPOSAL/4 STANDARD ROLLS STAINLESS STEEL SERVES 2
T-5	B-35120460	BOBRICK	RECESSED NAPKIN DISPOSAL/TOILET DISPENSER STAINLESS STEEL
T-6	NA	NA	CONTRACTOR TO COORDINATE INSTALLATION OF OWNER SUPPLIED TOILET PAPER DISPENSER
T-7	NA	NA	TOILET PARTITIONS SOLID PLASTIC POLYMER RESIN WITH HOMOGENOUS COLOR THROUGHOUT
T-8	NA	NA	URINAL PRIVACY SCREEN SOLID PLASTIC/POLYMER RESIN W/HOMOGENOUS COLOR THROUGHOUT
T-9	B-6806 x 36	BOBRICK	1 1/2" DIA STAINLESS STEEL GRAB BAR W/FEENED GRIP FINISH
T-9	B-6806 x 42	BOBRICK	1 1/2" DIA STAINLESS STEEL GRAB BAR W/FEENED GRIP FINISH

PRELIMINARY
not for construction

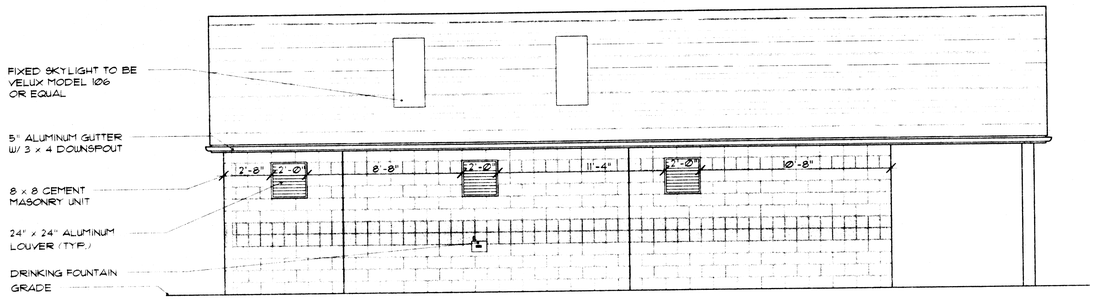
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FILE NO: 15a2-1
DRAWN BY: eml
CHKD. BY: ced
DATE ISSUED: 07/27/98
REVISED:

ARCHITECTURAL
CONCESSION BUILDING
CITY OF MASSILLON-S.R. 241 PARK SITE

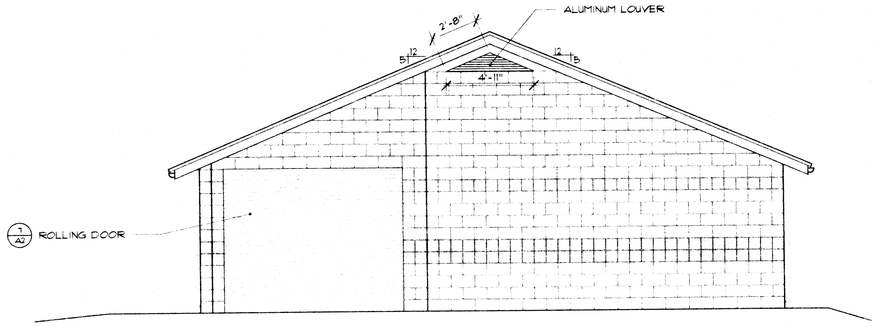
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A2.1 of 50

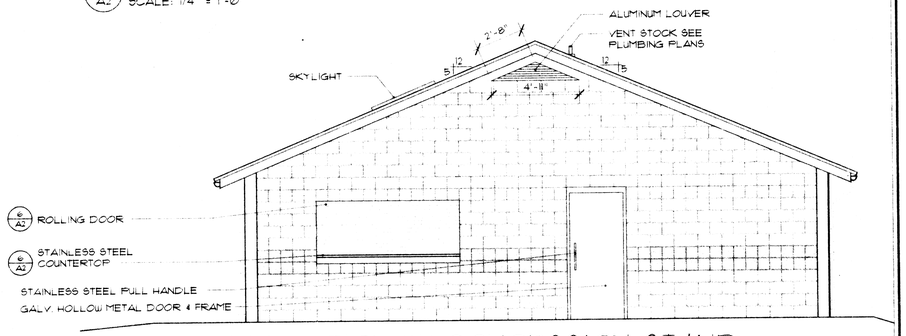
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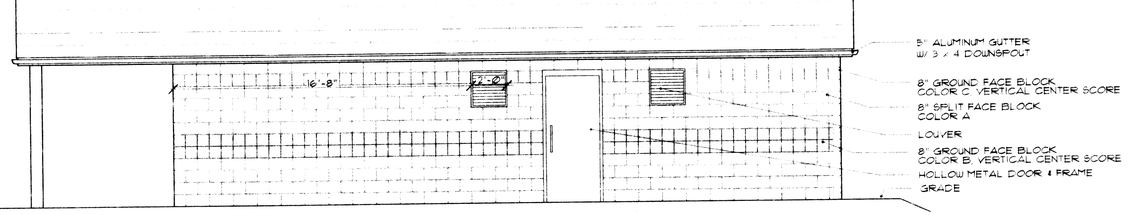
2/A2 SIDE ELEVATION W/ CONCESSION STAND
SCALE: 1/4" = 1'-0"



4/A2 REAR ELEVATION
SCALE: 1/4" = 1'-0"



5/A2 FRONT ELEVATION W/ CONCESSION STAND
SCALE: 1/4" = 1'-0"



3/A2 SIDE ELEVATION W/ CONCESSION STAND
SCALE: 1/4" = 1'-0"

PROJ. NO: 9860.00
SCALE: 1/4" = 1'-0"
FILE NO: 15a2-2
DRAWN BY: eml
CHKD. BY: ced

DATE ISSUED: 07/27/98
REVISED:

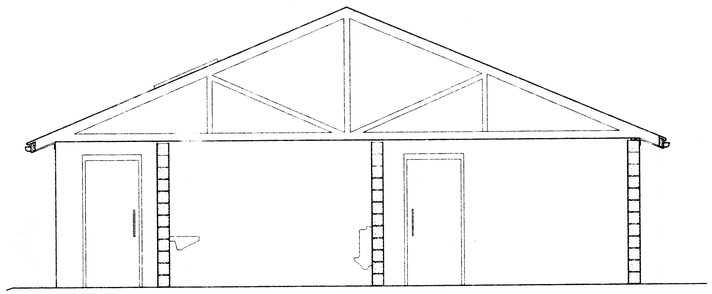
ARCHITECTURAL
CONCESSION BUILDING
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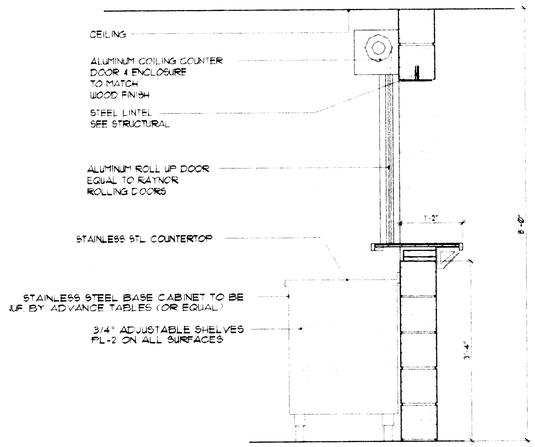
SHEET:
A2.2 OF 50

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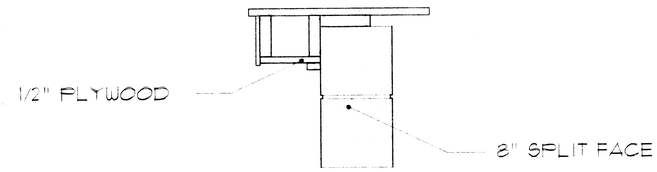


1 / A3 SECTION
SCALE: 1/4" = 1'-0"

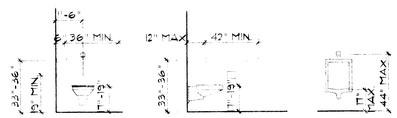
FINISH SCHEDULE							
NO.	ROOM NAME	MATERIALS / FINISH				HT.	REMARKS
		FLOOR	BASE	WALLS	CEILING		
101	WOMEN	CEMENT	NA	-	STAIN	8'-0"	-
102	JANITOR	CEMENT	NA	-	STAIN	8'-0"	-
103	MEN	CEMENT	NA	-	STAIN	8'-0"	-
104	SPORTS EQUIPMENT ROOM	CEMENT	NA	-	STAIN	8'-0"	-
105	CONCESSION	CEMENT	NA	-	STAIN	8'-0"	-
106	MEN	CEMENT	NA	-	STAIN	8'-0"	-
107	JANITOR	CEMENT	NA	-	STAIN	8'-0"	-
108	WOMEN	CEMENT	NA	-	STAIN	8'-0"	-
109	SPORTS EQUIPMENT ROOM	CEMENT	NA	-	STAIN	8'-0"	-



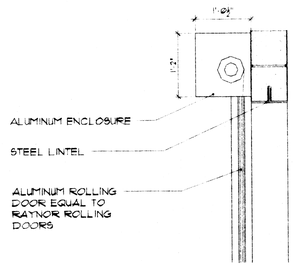
2 / A3 CONCESSION STAND WINDOW
SCALE: 3/4" = 1'-0"



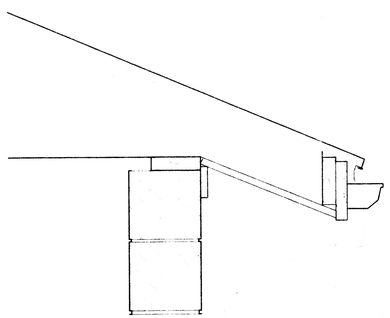
5 / A3 RAKE DETAIL
SCALE: 1 1/2" = 1'-0"



8 / A3 TYPICAL ADA ELEVATION
SCALE: 1/4" = 1'-0"



3 / A3 ROLLING DOOR DETAIL
SCALE: 3/4" = 1'-0"



4 / A3 SOFFIT DETAIL
SCALE: 1 1/2" = 1'-0"

PRELIMINARY
not for construction

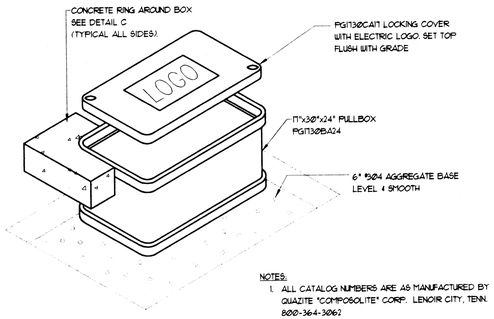
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FILE NO. 15A3
DRAWN BY: sml
CHKD. BY: ced
DATE ISSUED: 07/27/98
REVISED:

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CITY OF MASSILLON-S.R. 241 PARK SITE

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A3 of 50

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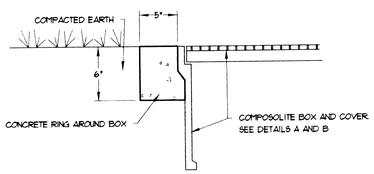
NOTES:

1. ALL CATALOG NUMBERS ARE AS MANUFACTURED BY QUAZITE "COMPOSOLITE" CORP. LENOIR CITY, TENN. 800-364-3062
2. PAIRS OF PULLBOXES SHALL BE PARALLEL WITH EACH OTHER AND FOLLOW A CONSISTANT PATTERN.

PULLBOX DETAIL A

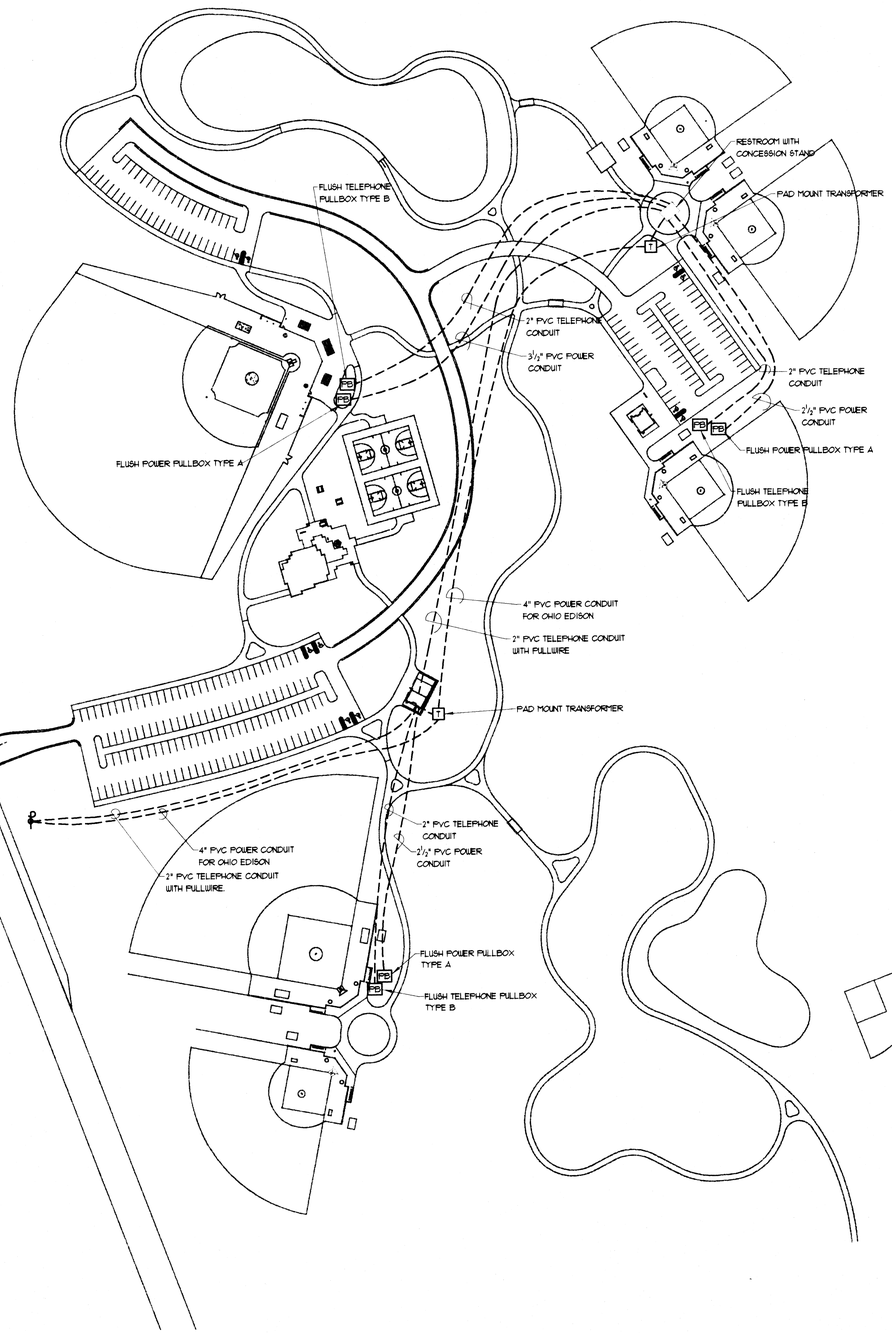
NOT TO SCALE

PULLBOX DETAIL B SIMILAR
COVER PGI324CA43 TELEPHONE LOGO
BOX PBI324BA18
EXTENSION PGI324EA08



CONCRETE RING DETAIL C

SCALE: 1/2" = 1'-Ø"



ELECTRICAL SITE PLAN

SCALE: 1" = 100'

N

PROJ. NO:	9860.00
SCALE:	AS NOTED
FILE NO:	E1.DWG
DRAWN BY:	EME
CHKD. BY:	EME
DATE ISSUED:	7-27-98
REVISED:	

ELECTRICAL SITE PLAN

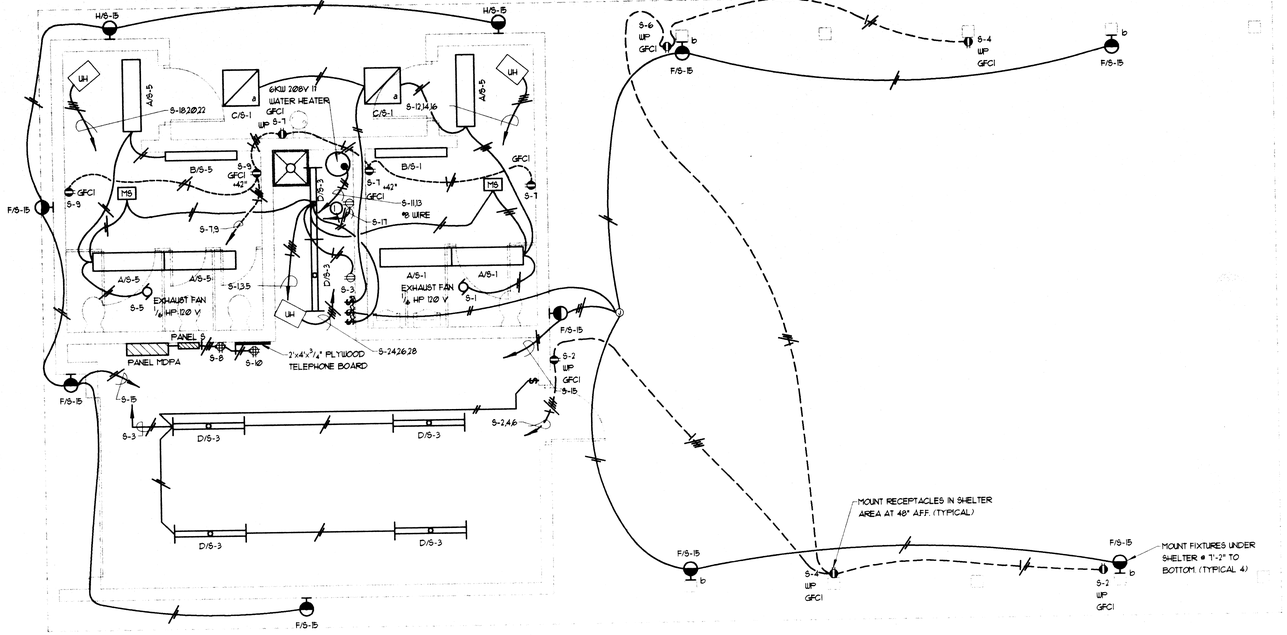
CITY OF MASSILLON-S.R. 241 PARK SITE

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E1 OF 50

E:\MASSILLON\436901\Received\SDPS-7-24\E1.dwg Sun Jul 26 16:37:32 1998 Environmental Design Group, Inc.

E&P/EDG 9860.00 - MASSILLON SR. 241 PARK 9860702D034

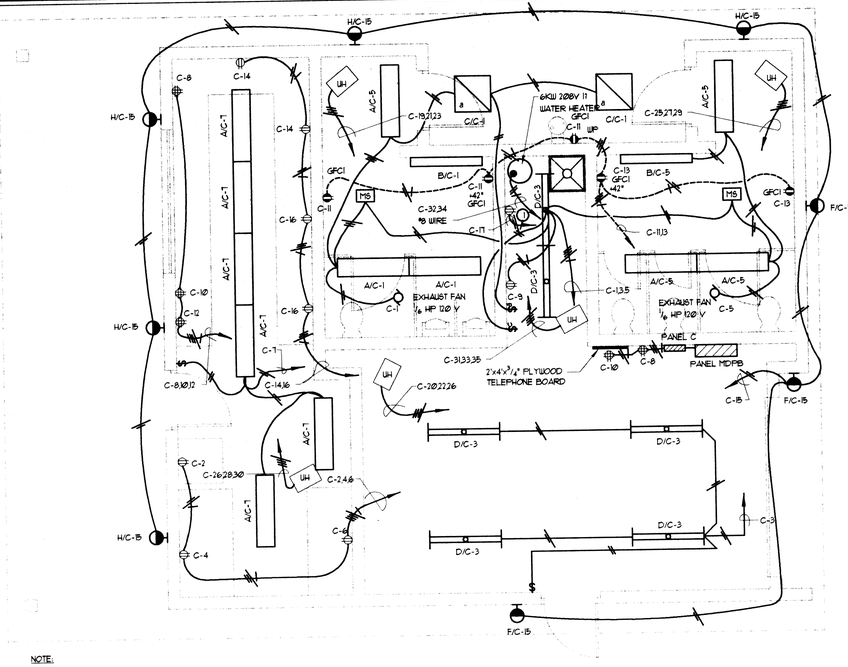


NOTE:

① 2' OF 2" WATER PIPE TO BE HEAT TRACED. PROVIDE 6' LONG TAPE WITH THERMOSTAT AND 2' CORD AND PLUG SIMILAR TO SMITH GATES #AHT6 APPLIED WITH 3 TURNS PER FOOT OF PIPE WITH OVERALL 1/2" FIBERGLAS INSULATION AND VAPOR SEAL COVER.

POWER PLAN WITH SHELTER

SCALE: 1/4" = 1'-0"

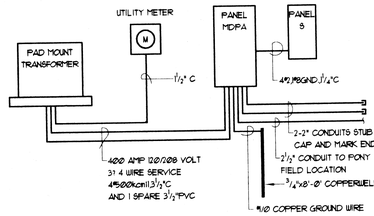


NOTE:

① 2' OF 2" WATER PIPE TO BE HEAT TRACED. PROVIDE 6' LONG TAPE WITH THERMOSTAT AND 2' CORD AND PLUG SIMILAR TO SMITH GATES #AHT6 APPLIED WITH 3 TURNS PER FOOT OF PIPE WITH OVERALL 1/2" FIBERGLAS INSULATION AND VAPOR SEAL COVER

POWER PLAN WITH CONCESSION STAND

SCALE: 1/4" = 1'-0"



SERVICE RISER SHELTER WITH RESTROOMS BUILDING

NO SCALE

SPACE	
SPARE	SPACE
60A-3P	
SPARE	PANEL B
100A-3P	100A-3P 100A FUSED
FUTURE PONY AND LITTLE LEAGUE PANEL	
200A-3P	

PANEL MDPA

120/208 VOLT 3Ø 4 WIRE
400 AMP MAIN LUGS ONLY
SERVICE ENTRANCE LABEL
(6 DISCONNECT)

PANEL: PANEL

LOCATION: STORAGE ROOM — MOUNTING: SURFACE — VOLTAGE: 120 VOLTS — #PHASES: 1 - PHASE — #WIRES: 2 - WIRES — 100 AMP. MAINS — BREAKER SIZE: M.L.O.

CKT. NO.	USE	WATTS	WIRE SIZE	#POLES	AMPS	1A	N	1C	AMPS	#POLES	WIRE SIZE	WATTS	USE	CKT. NO.
1	MEN'S ROOM LIGHTS	304		1	20	664			20	1		360	SHELTER RECEPTACLE	2
3	JANITOR/STORAGE LIGHTS	636		1	20		996		20	1		360	SHELTER RECEPTACLE	4
5	WOMEN'S ROOM LIGHTS	304		1	20			484	20	1		180	SHELTER RECEPTACLE	6
7	RECEPTACLES	540		1	20	900			20	1		360	STORAGE RECEPTACLE	8
9	RECEPTACLES	360		1	20		720		20	1		360	TELEPHONE PANEL	10
11	WATER HEATER	3000		2	40			4000	15	3		1000	MEN'S ROOM UNIT HEATER	12
13		3000				4000						1000		14
15	SECURITY LIGHTS	180		1	20		1180					1000		16
17	HEAT TAPE RECEPTACLE	42		1	20			1042	15	3		1000	WOMEN'S ROOM UNIT HEATER	18
19						1000						1000		20
21							1000					1000		22
23								667	15	3		667	JANITOR CLOSET UNIT HEATER	24
25						667						667		26
27							667					667		28
29														30
	PANEL FEEDER SIZE: AMPS RMS SYM.				TOTAL/PHASE TOTAL PANEL	7231 17987	4563	6193	MAX.+AMPS: 60.3 TOTAL CONNECTED LOAD: 5000 AMPS				G GROUND BUS	

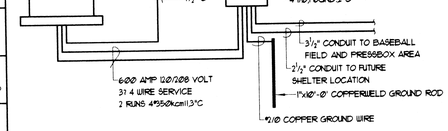
ELECTRICAL SYMBOL SCHEDULE

SYMBOL	DESCRIPTION
	SURFACE, CEILING, PENDENT, OR WALL MOUNTED FLUORESCENT FIXTURE - WRAP-A-ROUND, MODULAIR, VAPORTIGHT, OR INDUSTRIAL. REFER TO FIXTURE SCHEDULE
	TWO TUBE OPEN CHANNEL STRIP FLUORESCENT FIXTURE
	SURFACE COMPACT FLUORESCENT FIXTURE , TWIN TUBE OR PL LAMPS
	WALL MOUNTED H.I.D. FIXTURE
	WALL MOUNTED COMPACT FLUORESCENT FIXTURE
$	20 AMP 120/277 VOLT SINGLE POLE TOGGLE SWITCH
$T	20 AMP 300 VOLT MANUAL MOTOR STARTING SWITCH TOGGLE TYPE WITH THERMAL OVERLOAD RELAY AND PILOT LIGHT - FLUSH MOUNT IN FINISHED AREAS OR "FD" BOX MOUNTED IN UNFINISHED AREAS.
$3	20 AMP 120/277 VOLT 3 WAY TOGGLE SWITCH
	20 AMP 120 VOLT 2 POLE 3 WIRE GROUNDING DUPLEX RECEPTACLE MOUNTED AT 18" A.F.F. UNLESS NOTED.
	DOUBLE 20 AMP 120 VOLT 2 POLE 3 WIRE DUPLEX RECEPTACLES MOUNTED IN COMMON BOX WITH COMMON 2 GANG PLATE.
	20 AMP 120 VOLT 2 POLE 3 WIRE GROUND FAULT CIRCUIT INTERRUPTING DUPLEX RECEPTACLE.
WP	SAME AS ABOVE EXCEPT WITH GASKETED WEATHER PROOF LIFT COVER
	SPECIAL PURPOSE RECEPTACLE, 120/240 OR 120/208 VOLT, 1 PHASE, 3 POLE, 4 WIRE, GROUNDING. AMPERE RATED AS MARKED
	SPECIAL PURPOSE OUTLET, 120/208 VOLT, 3 PHASE, 4 WIRE GROUNDING. AMPERE RATING AS MARKED.
	TELEPHONE OUTLET 4"/8" SQ. BOX WITH 1 GANG PLASTER RING & 3/4" CONDUIT STUBBED INTO CEILING SPACE.
	CONDUIT CONCEALED IN FLOOR OR EARTH
	CONDUIT CONCEALED IN CEILING OR WALLS
	CONDUIT EXPOSED
	NEUTRAL & PHASE WIRES — WIRES IN CONDUIT #12 AWG UNLESS NOTED GROUND WIRE
	JUNCTION BOX SIZED AS REQUIRED
	MOTOR, HORSEPOWER & VOLTAGE AS NOTED
, ///	DISCONNECT SWICH, FUSED, AMPACITY AS NOTED • SWITCH/// FUSE. GENERAL DUTY UNLESS NOTED IN SPECS. WP INDICATES NEMA 3R UNLESS NOTED
M5	SURFACE MOUNTED ULTRASONIC MOTION SENSOR WITH POWER PACK AND 1 TO 15 MINUTE ADJUSTABLE TIME DELAY. WATT STOPPER WB300A WITH POWER PACK BP28EP
	PANELBOARD - SEE SCHEDULES
AFF	ABOVE FINISHED FLOOR
+42	INDICATES MOUNT AT 42" ABOVE FINISHED FLOOR TO CENTER LINE OF DEVICE
A/B-1	INDICATES FIXTURE TYPE A CONNECTED TO CIRCUIT 1 IN PANEL B

SPACE	SPACE
30A	60A
FUTURE SHELTER	SPACE
100A-3P	100A
PANEL C	
200A-3P	150A FUSED
FUTURE BASEBALL FIELD, PRESS BOX AND SCORE BOARD	
400A-3P	300A FUSED

PANEL MDPB

120/208 VOLT 3Ø 4 WIRE
600 AMP MAIN LUGS ONLY
SERVICE ENTRANCE LABEL
(6 DISCONNECT)



SERVICE RISER RESTROOM/ CONCESSIOIN STAND BUILDING

NO SCALE

PANEL: PANEL

LOCATION: STORAGE ROOM — MOUNTING: SURFACE — 120/208 VOLTS — 3 - PHASE — 4 - WIRES — 200 AMP MAINS — BREAKER SIZE:

CKT. NO.	USE	WATTS	WIRE SIZE	#POLES	AMPS	1A	N	1C	AMPS	#POLES	WIRE SIZE	WATTS	USE	CKT. NO.
1	MENS ROOM LIGHTS	304		1	20	1504			20	1		1200	REFRIGERATOR	2
3	JANITOR STORAGE LIGHTS	636		1	20		2036		20	1		1400	FREEZER	4
5	WOMENS ROOM LIGHTS	304		1	20			1704	20	1		1400	FREEZER	6
7	CONCESSION LIGHTS	932		1	20	1732			20	1		1200	COUNTER RECEPTACLE	8
9	STORAGE RECEPTACLE	680		1	20		1880		20	1		1200	COUNTER RECEPTACLE	10
11	RECEPTACLES	540		1	20			1140	20	1		1200	COUNTER RECEPTACLE	12
13	RECEPTACLES	360		1	20	360								14
15														16
17														18
19	MEN'S ROOM UNIT HEATER	1000		3	15	2000			15	3		1000	STORAGE ROOM UNIT HEATER	20
21		1000					2000					1000		22
23		1000						2000				1000		24
25	WOMEN'S ROOM UNIT HEATER	1000		3	15	2000			15	3		1000	KITCHEN UNIT HEATER	26
27		1000					2000					1000		28
29		1000						2000				1000		30
31	JANITORS CLOSET UNIT HEATER	667		3	15	3667			40	2		3000	WATER HEATER	32
33		667					3667					3000		34
35		667						667						36
37														38
39														40
41														42
	PANEL FEEDER SIZE: 1/0 COPPER AMPS RMS SYM.				TOTAL/PHASE TOTAL PANEL	11263 30987	11883	8111	MAX. 1 AMPS: 340 TOTAL CONNECTED LOAD: 86.0 AMPS				G GROUND BUS	

LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG NO.	WATTS	TYPE	NO.	DESCRIPTION
A	KENALL	2T626	32	F032T8	2	2 LAMP 4' LONG SURFACE MOUNTED POLYCARBONATE PRISMATIC LENS
B	KENALL	1140-Ø DW-IR	32	F032T8	1	WALL MOUNTED 4' LONG OVER MIRROR LIGHT WITH INTERNAL ASSYMETRIC REFLECTOR AND WOOD FACE, Ø°F STARTING.
C	KENALL	2560-56	28	QUAD TUBE	2	2 LAMP SURFACE HIGH ABUSE SHALLOW SURFACE MOUNT 120VNPF, -20°F BALLAST, POLYCARBONATE CONSTRUCTION, BRONZE FINISH, PRISMATIC LENS.
D	LITHONIA	C232-120 GEB	32	F032T8	2	2 LAMP 4' LONG FLUORESCENT OPEN STRIP LIGHT
F	LITHONIA	VRIC-50M 120 IR	50	METAL HALIDE	1	WALL MOUNTED DIECAST ALUMINUM H.I.D. FIXTURE WITH POLYCARBONATE LENS.
H	KENALL	MRBED8 MB-42P-1 120-BPC	42	PLT	1	WALL MOUNTED 13"1 WET LOCATION COMPACT FLUORESCENT FIXTURE, DIE CAST HOUSING, POLYCARBONATE LENS, WITH PHOTOCELL.

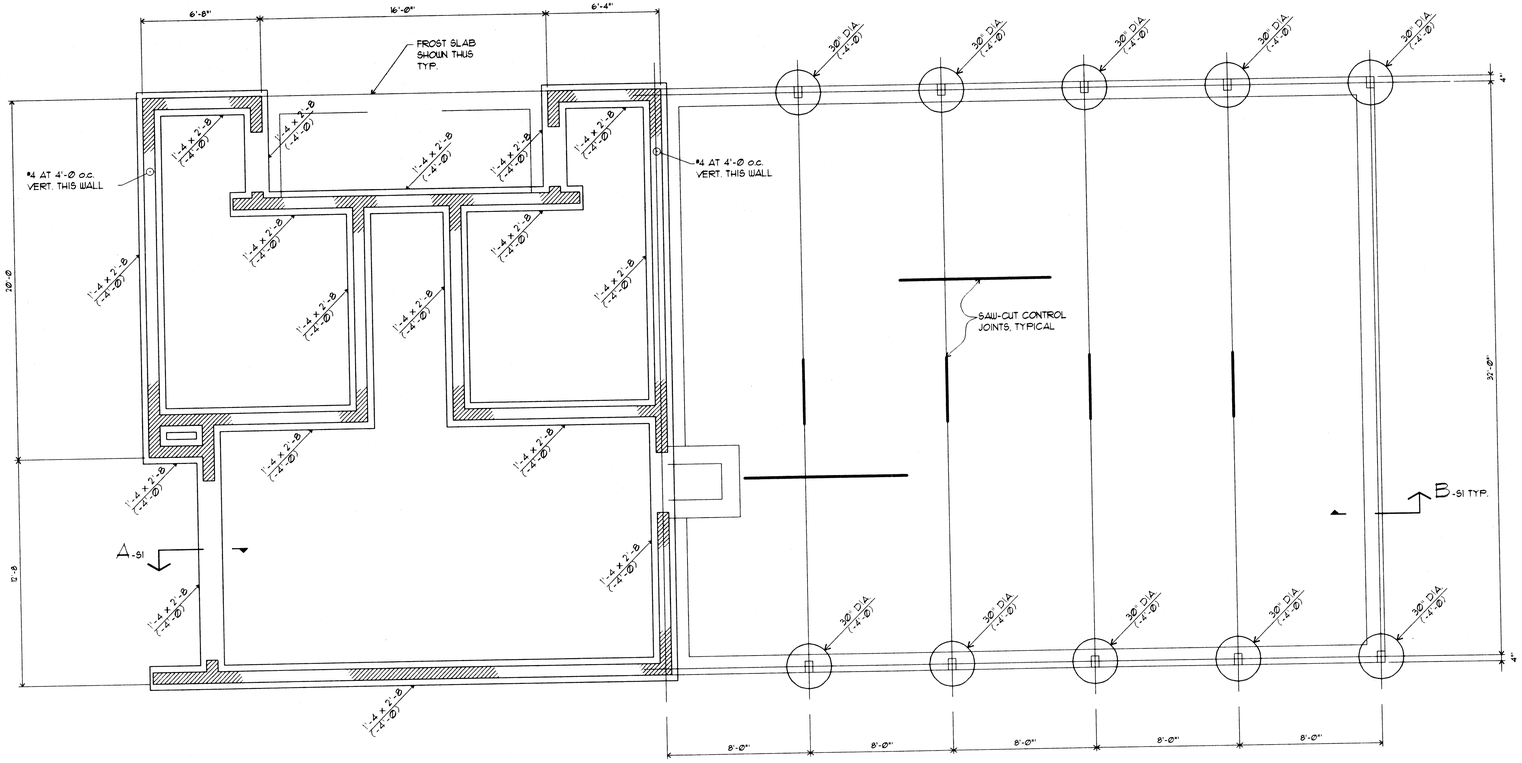
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CHKD. BY: EME
DATE ISSUED: 7-27-98
REVISED:

ELECTRICAL FLOOR PLANS, SCHEDULES & DETAILS
CITY OF MASSILLON-S.R. 241 PARK SITE

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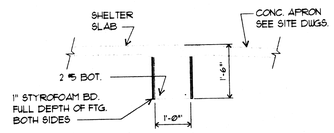


FOUNDATION PLAN

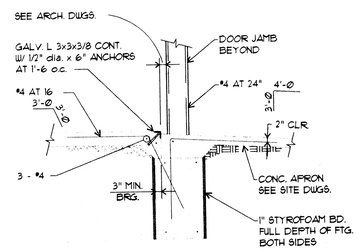
1/4" = 1'-0

BOTTOM OF FOOTING ELEVATIONS SHOWN THUS (-) ARE REFERENCED TO FINISHED FLOOR ELEVATION = (-0'-0")

FLOOR CONSTRUCTION:
4" SLAB ON GRADE WITH FIBERMESH



SECTION B-S1
3/8" = 1'-0



SECTION A-S1
3/8" = 1'-0

PROJ. NO: 9860.00
SCALE: AS NOTED
FILE NO: S1.DWG
DRAWN BY: CWT
CHKD. BY: LDL

DATE ISSUED: 7-27-98
REVISED:

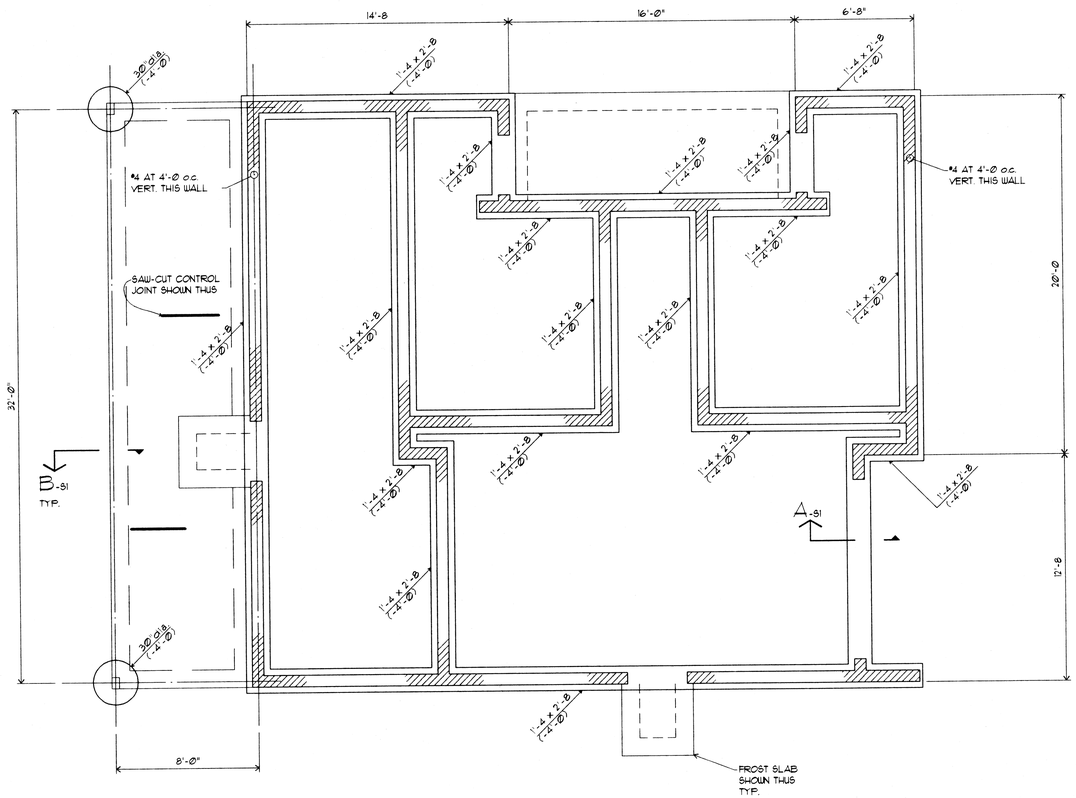
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FOUNDATION PLAN

1/4" = 1'-0

BOTTOM OF FOOTING ELEVATIONS SHOWN THUS (-) ARE REFERENCED TO FINISHED FLOOR ELEVATION = (-0'-0)

FLOOR CONSTRUCTION:
4" SLAB ON GRADE WITH FIBERMESH

PROJ. NO: 9860.00
SCALE: AS NOTED
FILE NO: S2.DWG
DRAWN BY: CWT
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GENERAL NOTES

LIVE LOADS
ROOF (SNOW)----------30 PSF
I = 1.0
DRIFT PER O.B.B.C.

SEISMIC LOADS
Av = 0.077 Aa = 0.10 80 MPH ZONE EXPOSURE C I = 1.0
GROUP I
PERFORMANCE CATEGORY B

WIND LOADS
BASIC VELOCITY PRESSURE------16.4 PSF
MAGNIFY PER O.B.B.C.

FOUNDATIONS:
1. DESIGN BEARING PRESSURE IS 4,000 PSF ON NATURAL UNDISTURBED COHESIVE MATERIAL OR IMPROVED GRANULAR MATERIAL.
2. A REPORT ON SUBSURFACE SOILS CONDITIONS FOR THIS PROJECT HAS BEEN PREPARED BY BBC&M/TRIGGS ENGINEERING, INC. WILLOUGHBY HILLS, OHIO. ALL CONTRACTORS INVOLVED WITH EXCAVATION, BACKFILL AND FOUNDATION CONSTRUCTION SHALL FAMILIARIZE THEMSELVES WITH THIS REPORT.
3. REMOVE ALL MAN-MADE FILL AND RUBBLE FROM THE BUILDING SITE.
4. NOTIFY ARCHITECT AND PROJECT GEOTECHNICAL ENGINEER OF UNUSUAL SOIL CONDITION BEFORE PROCEEDING WITH WORK.
5. FOUNDATION BEARING SURFACES SHALL BE INSPECTED UNDER THE DIRECTION OF THE PROJECT GEOTECHNICAL ENGINEER.
6. PROVIDE SHEETING, SHORING AND BRACING AS REQUIRED TO PROTECT ADJACENT BUILDINGS, STREETS AND UTILITIES.
7. FOOTING ELEVATIONS SHOWN ON PLAN ARE TO BOTTOM OF FOOTINGS.
8. PLACE FOOTINGS AT ELEVATIONS SHOWN OR TO UNDISTURBED SOIL OF DESIGN CAPACITY, WHICHEVER IS LOWER.
9. FOOTING EXCAVATIONS TO HAVE FLAT BOTTOMS WITH BEARING SURFACES UNDISTURBED BY METHOD OF EXCAVATION AND PROTECTED FROM WATER ACCUMULATION AND FREEZING.
10. FOOTING STEPS MAY BE 1 VERTICAL TO 2 HORIZONTAL WITH A MAXIMUM STEP OF 2 FEET.

CAST-IN-PLACE CONCRETE:
1. ALL CONCRETE WORK IS TO BE IN ACCORDANCE WITH SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDING ACI 301-96, AS SUPPLEMENTED BY THE PROJECT SPECIFICATIONS.
2. ADMIXTURES:
   A. USE AN APPROVED MID RANGE WATER REDUCER (MRWR) FOR ALL SLABS ON GRADE.
   B. USE AN APPROVED AIR ENTRAINING AGENT FOR ALL CONCRETE EXPOSED TO WEATHER OR VEHICULAR TRAFFIC. USE 6 % ENTRAINED AIR PLUS 1% MINUS 1.5 %.
   C. THE USE OF CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CHLORIDES IS PROHIBITED.
   D. USE AN APPROVED WATER REDUCING AGENT OR MID RANGE WATER REDUCER FOR ALL CONCRETE EXCEPT FOOTINGS.
   E. FLY ASH SHALL NOT BE USED.
3. REINFORCING STEEL:
   A. DEFORMED BARS PER ASTM A615, GRADE 60
   B. LAP REINFORCEMENT 38 DIAMETERS UNLESS OTHERWISE NOTED.
   C. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT PER CRSI RECOMMENDATIONS.
4. CONCRETE:

LOCATION	STRENGTH	MAX SLUMP	REMARKS
SPREAD FOOTINGS AND WALL FOOTINGS	3000	5"	
SLABS ON GRADE	4000	3"/7"	WITH MRWR: FIBERMESH, AIR

5. CURING: WET OR MOIST CURE ALL SLABS PER ACI 301.
6. CONCRETE MIXES SHALL BE PROPORTIONED IN ACCORDANCE WITH ACI 301.
7. CONCRETE ENGINEERED FIBERS SHALL BE AS MANUFACTURED BY FIBERMESH, INC. OR BY FORTA CORPORATION. FIBERS SHALL BE USED IN ALL CONCRETE AS INDICATED ON THE DRAWINGS AND IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. USE 1 1/2 LBS. PER CUBIC YARD OF EITHER #689 MD FIBER BY FIBERMESH OR 1 1/2" FORTA ECONO-NET BY FORTA CORP.

MASONRY:
1. THE MASONRY ELEMENTS OF THIS BUILDING ARE DESIGNED IN ACCORDANCE WITH "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" ACI 530-95, PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE.
2. MATERIALS AND CONSTRUCTION METHODS SHALL BE AS SPECIFIED IN "SPECIFICATIONS FOR MASONRY STRUCTURES ACI 530.1-95 PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE.
3. ALL TESTING AND INSPECTION SHALL BE DONE BY AN INDEPENDENT TESTING LABORATORY.
4. LOAD BEARING CONCRETE MASONRY UNITS PER ASTM C90-92b, F'M = 1500 PSI DETERMINED BY THE UNIT STRENGTH METHOD OR PRISM TEST METHOD.
5. MORTAR FOR MASONRY PER ASTM C270-92A, TYPE S, 1800 PSI CUBE STRENGTH.
6. GROUT PER ASTM C476-91 2000 PSI MINIMUM. SLUMP TO BE 9 ± 1".
7. REINFORCEMENT:
   A. WIRE FOR HORIZONTAL JOINT REINFORCEMENT PER ASTM A82-85 LADDER TYPE, GALVANIZED AFTER FABRICATION.
   B. REINFORCING BARS PER ASTM A615, GRADE 60, LAP SPLICES 48 DIAMETERS MINIMUM AND GROUT SOLID INTO WALLS.
8. PROVIDE 16" OF SOLID MASONRY UNDER WALL BEARING BEAMS AND 8" OF SOLID MASONRY UNDER WALL BEARING SLABS AND LINTELS UNLESS OTHERWISE NOTED ON THE DRAWINGS.
9. ALL CORNERS TO BE TIED BY MASONRY BOND.
10. LOOSE LINTEL SCHEDULE: (USE FOR LINTELS NOT CALLED OUT ON THE DRAWINGS.)
    FOR 6" WALLS" OPENINGS UP TO 5'-0"----------L4 X 4 X 9
    OPENINGS FROM 5'-0" TO 7'-0"----------WT 5 X 11
    FOR 8" AND 12" WALLS: OPENINGS UP TO 4'-0"----------ANGLE 3 1/2 X 3 1/2 X 5/16 LLV
    OPENINGS OVER 4'-0 "TO 5'-0"----------ANGLE 4 X 3 1/2 X 5/16 LLV
    OPENINGS OVER 5'-0" TO 6'-0"----------ANGLE 5 X 3 1/2 X 5/16 LLV
    OPENINGS OVER 6'-0" TO 7'-0"----------ANGLE 6 X 3 1/2 X 5/16 LLV
    USE 1 ANGLE FOR EACH 4" WYTHE OF MASONRY.
    LINTEL BEARING SHALL BE 1" PER FOOT OF OPENING AT EACH END WITH A MINIMUM OF 6".
    ALL LINTELS SHALL BEAR ON SOLID OR GROUTED MASONRY.
    BEAMS AND LINTELS IN EXTERIOR WALLS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123.
    *MINIMUM THICKNESS OF LINTELS IN EXTERIOR WALLS = 5/16".

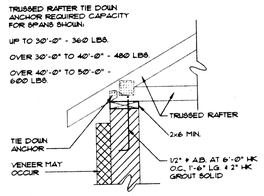
STRUCTURAL STEEL:
1. DETAILING, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
2. ANCHOR BOLTS INTO CONCRETE OR MASONRY TO BE PER ASTM A307 OR ASTM A36.
3. ELECTRODES TO BE E70XX COATED TYPE, LOW HYDROGEN CLASSIFICATION.
4. ALL STEEL PER ASTM A36.
5. LINTEL BEAMS BUILT INTO EXTERIOR MASONRY WALLS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123.

GENERAL NOTES (CONT.)

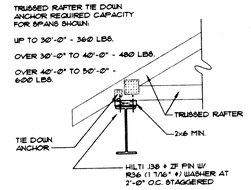
3. STRUCTURAL GLUED LAMINATED TIMBER:
   A. GLUED LAMINATED TIMBER SHALL BE OF MATERIAL, MANUFACTURE AND QUALITY CONTROL CONFORMING TO THE AMERICAN NATIONAL STANDARD ANSI/AITC A190.1-1992, "STRUCTURAL GLUED LAMINATED TIMBER" AND AITC 117-"MANUFACTURING"
   FOR STRUCTURAL GLUED LAMINATED TIMBER OF SOFTWOOD SPECIES.
   B. LAMINATING COMBINATIONS FOR BEAMS SHALL PROVIDE THE FOLLOWING MINIMUM ALLOWABLE DESIGN VALUES.
      FB = 2,400 PSI
      FC = 650 PSI (PERPENDICULAR TO GRAIN, TOP BOTTOM)
      FV = 165 PSI
      E = 1,700,000 PSI
   C. LAMINATING COMBINATIONS FOR COLUMNS SHALL PROVIDE THE FOLLOWING MINIMUM ALLOWABLE DESIGN VALUES:
      COMPRESSION PARALLEL TO GRAIN 1,350 PSI
      E = 1,400,000 PSI
   D. ADHESIVES SHALL BE FOR WET CONDITIONS OF SERVICE.
   E. APPEARANCE SHALL BE INDUSTRIAL GRADE.
   F. ALL WOOD EXPOSED TO WEATHER TO BE PRESSURE PRESERVATIVE TREATED PER AWPA C-28.
   G. MEMBERS SHALL BE SEALED WITH SEALER COAT COMPATIBLE WITH FINAL FINISH, MARKED WITH AITC "QUALITY INSPECTED"
   MARK AND INDIVIDUALLY WRAPPED. AITC MARK SHALL BE ON SURFACE CONCEALED IN FINAL STRUCTURE.
   H. FABRICATOR SHALL DESIGN AND FURNISH CONNECTION STEEL AND HARDWARE FOR BEAMS AND COLUMNS. SEE DRAWINGS FOR GENERAL CRITERIA FOR CONNECTION HARDWARE.
4. TRUSSED RAFTERS:
   A. THE DESIGN, FABRICATION AND ERECTION OF ALL TRUSSED RAFTERS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF
   THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION" PLUS SUPPLEMENT "DESIGN VALUES FOR WOOD CONSTRUCTION" BY THE NATIONAL FOREST PRODUCT ASSOCIATION, "DESIGN SPECIFICATIONS FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES+ AND "QUALITY CONTROL MANUAL" BY THE TRUSS PLATE INSTITUTE.
   B. CALCULATIONS FOR ALL TRUSSED RAFTERS SHALL BE SUBMITTED FOR REVIEW WITH SHOP DRAWINGS. CALCULATIONS SHALL BE
   SEALED BY A PROFESSIONAL ENGINEER (OHIO REGISTRATION). ALL TRUSSED RAFTERS SHALL BE BRACED DURING ERECTION
   AND AFTER PERMANENT INSTALLATION, IN ACCORDANCE WITH "HANDLING, INSTALLING AND BRACING METAL PLATE CONNECTED
   WOOD TRUSSES," (HIB-91) BY TRUSS PLATE INSTITUTE.
   C. THE TRUSS CONNECTOR MANUFACTURER SHALL BE A MEMBER OF THE TRUSS PLATE INSTITUTE AND THE FABRICATOR SHALL BE
   LICENSED OR FRANCHISED BY THE CONNECTOR MANUFACTURER.
   D. AN ERECTION PLAN SHALL BE SUBMITTED WITH SHOP DRAWINGS.
5. WOOD DECKING:
   WOOD DECKING FOR SLOPING ROOF SHALL BE IN ACCORDANCE WITH STANDARD FOR TONGUE AND GROOVE HEAVY TIMBER ROOF DECKING" AITC 112-93 BY THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.
   A. ALL DECKING SHALL BE SOUTHERN PINE, COMMERCIAL QUALITY.
   B. DECKING SHALL BE INSTALLED USING CONTROLLED RANDOM LAY-UP PATTERN PER AITC 112-93.
   C. EACH PIECE SHALL BE TOENAILED THROUGH THE TONGUE AND FACE NAILED WITH ONE NAIL SUPPORT, USING 16D COMMON NAILS.
   D. DECKING SHALL BE INSTALLED WITH TONGUES UP ON SLOPED ROOF.
   E. DECKING SHALL BE INSTALLED WITH PATTERN FACE DOWN.

INSPECTION:
ROUTINE INSPECTION AND TESTING SERVICES SHALL BE PROVIDED BY AN APPROVED INDEPENDENT TESTING LABORATORY PER ASTM E329. REPORT SHALL BE SENT DIRECTLY TO THE OWNER, ARCHITECT, STRUCTURAL ENGINEER AND CONTRACTOR. CONCRETE TEST REPORTS SHALL ALSO BE SENT TO READY MIX SUPPLIER. THESE SERVICES SHALL INCLUDE THE FOLLOWING:

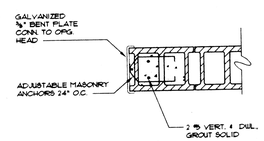
CONCRETE:	DESIGN MIX DATA, DAILY POUR REPORTS, CYLINDER TESTS, ENTRAINED AIR TEST. RECORD A REPORT SLUMP FOR EACH TRUCK BEFORE AND AFTER ADDITION OF MRWR.
REINFORCEMENT:	PLACEMENT.
MASONRY:	SIZE AND LOCATION OF SPECIAL PIERS, USE OF PROPER MASONRY UNITS, BEARING SURFACES, REINFORCING STEEL AND GROUTING
FOUNDATIONS.	BEARING SURFACE.



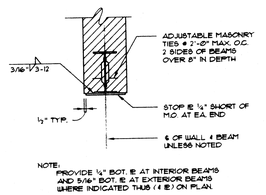
TYP. TRUSSED RAFTER BRG. DETAIL



TYP. TRUSSED RAFTER BRG. DETAIL



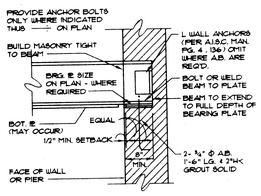
TYP. OVERHEAD DOOR JAMB DET.



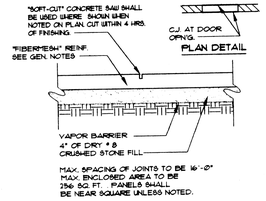
NOTE:
PROVIDE 1/4" BOT. ℄ AT INTERIOR BEAMS AND 5/16" BOT. ℄ AT EXTERIOR BEAMS WHERE INDICATED THUS (4 ℄) ON PLAN.

TYP. BOTTOM ℄ ANCHOR DETAIL

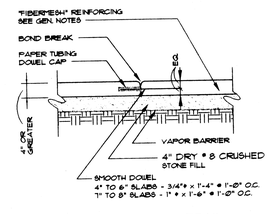
NOTE:
BEAMS W/ BOTTOM ℄'S AND LINTELS IN EXTERIOR WALLS SHALL BE HOT DIP GALVANIZED. SEE GENERAL NOTES.



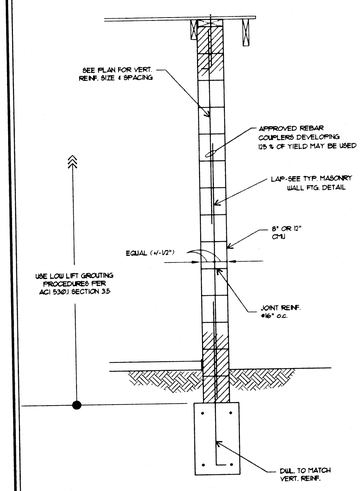
TYP. BEAM BRG. DETAIL



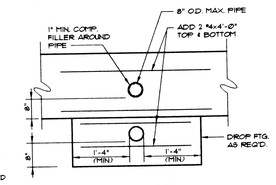
TYP. S.O.G. CONTRACTION JT. DETAIL



TYP. S.O.G. CONSTR. JT. DETAIL

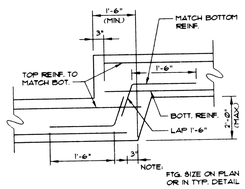


TYP. WALL REINFORCING DETAIL



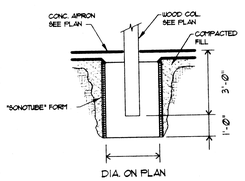
NOTE:
DO NOT RUN FOOTINGS OVER PIPE.

TYP. PIPE THRU FTG. DETAIL

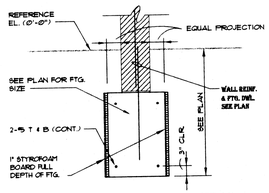


NOTE:
FTG. SIZE ON PLAN OR IN TYP. DETAIL

TYP. FOOTING STEP DETAIL



TYPICAL WOOD COLUMN FTG. DETAIL



TYP. MASONRY WALL FTG. DETAIL

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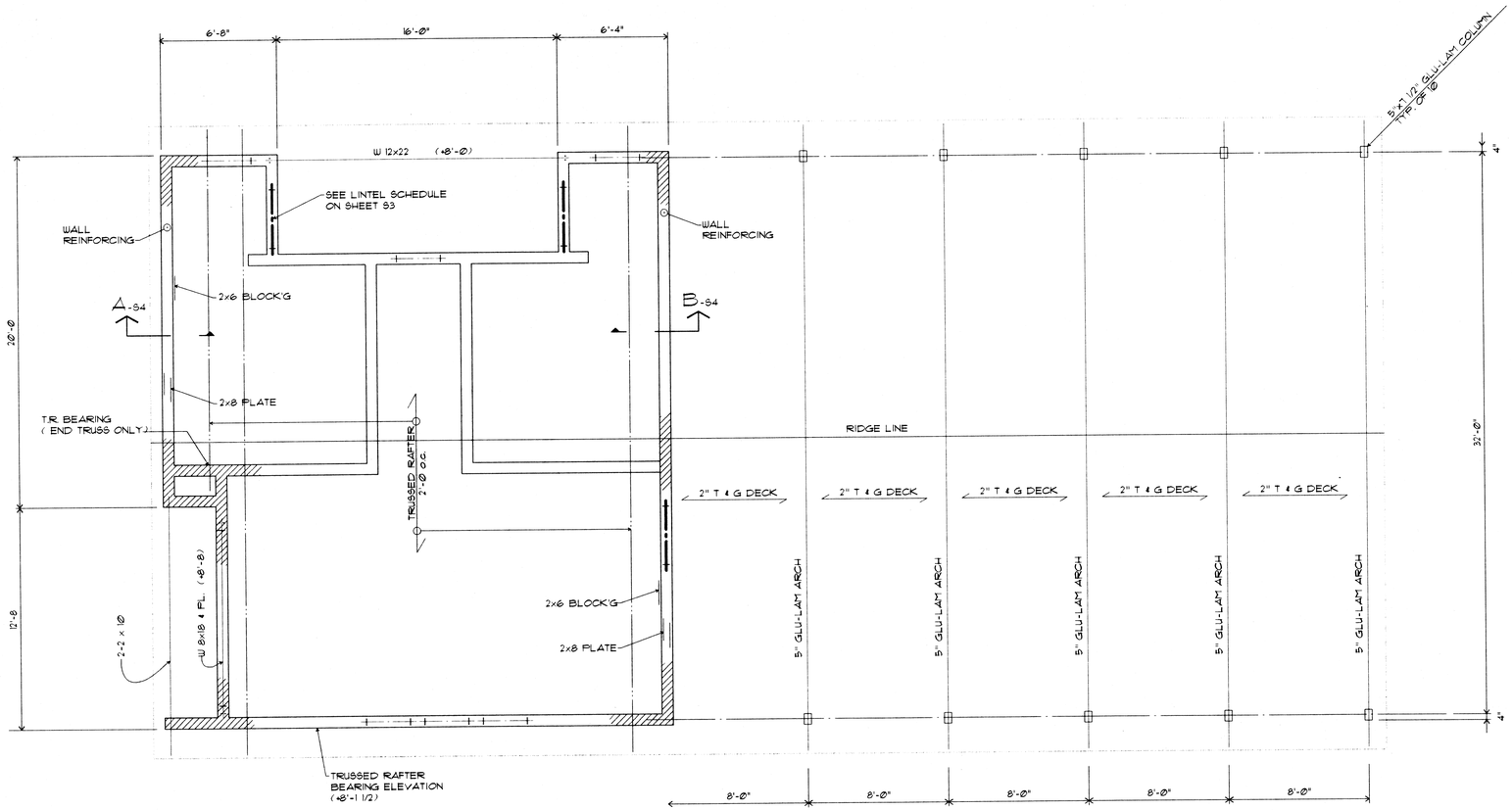
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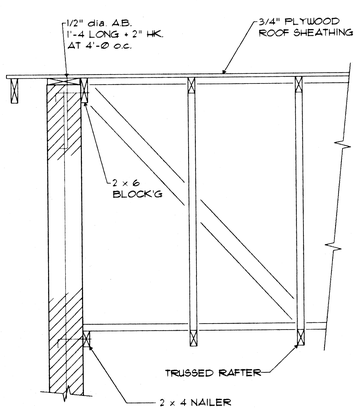


ROOF FRAMING PLAN

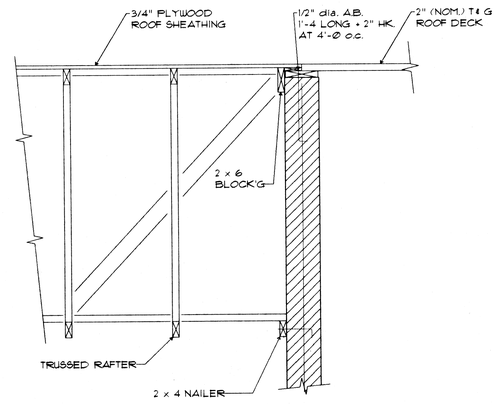
1/4" = 1'-0

TOP OF STEEL ELEVATIONS SHOWN THUS (+) ARE REFERENCED TO FINISHED FLOOR ELEVATION = (+0'-0)

ROOF CONSTRUCTION:
- 3/4" PLYWOOD ROOF SHEATHING W/ PLYCLIPS NAILED TO TRUSSED RAFTERS.
- 2" NOMINAL T & G WOOD DECK NAILED TO GLU-LAM ARCHES.



SECTION A-S4
3/4" = 1'-0



SECTION B-S4
3/4" = 1'-0

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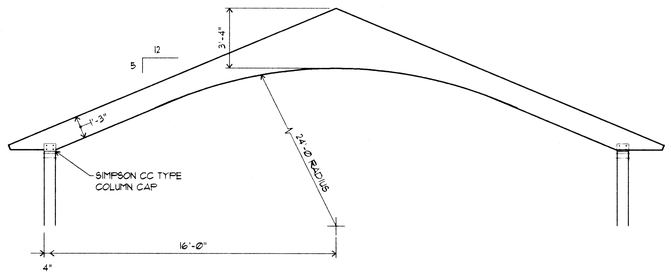
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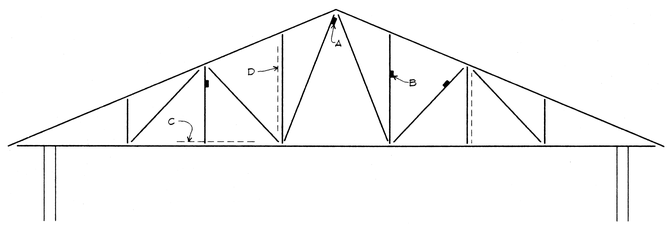
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TYPICAL GLU-LAM ARCH ELEVATION

SUPERIMPOSED LOAD FOR DESIGN OF ARCH:

LIVE LOAD	30 psf (SNOW)
DEAD LOAD	10 psf
	40 psf TOTAL



TYPICAL TRUSS RAFTER ELEVATION

SUPERIMPOSED LOADS FOR THE DESIGN OF TRUSSED RAFTERS

TOP CHORD LIVE LOAD	30 psf
TOP CHORD DEAD LOAD	10 psf
BOTTOM CHORD DEAD LOAD	10 psf
TOTAL	50 psf

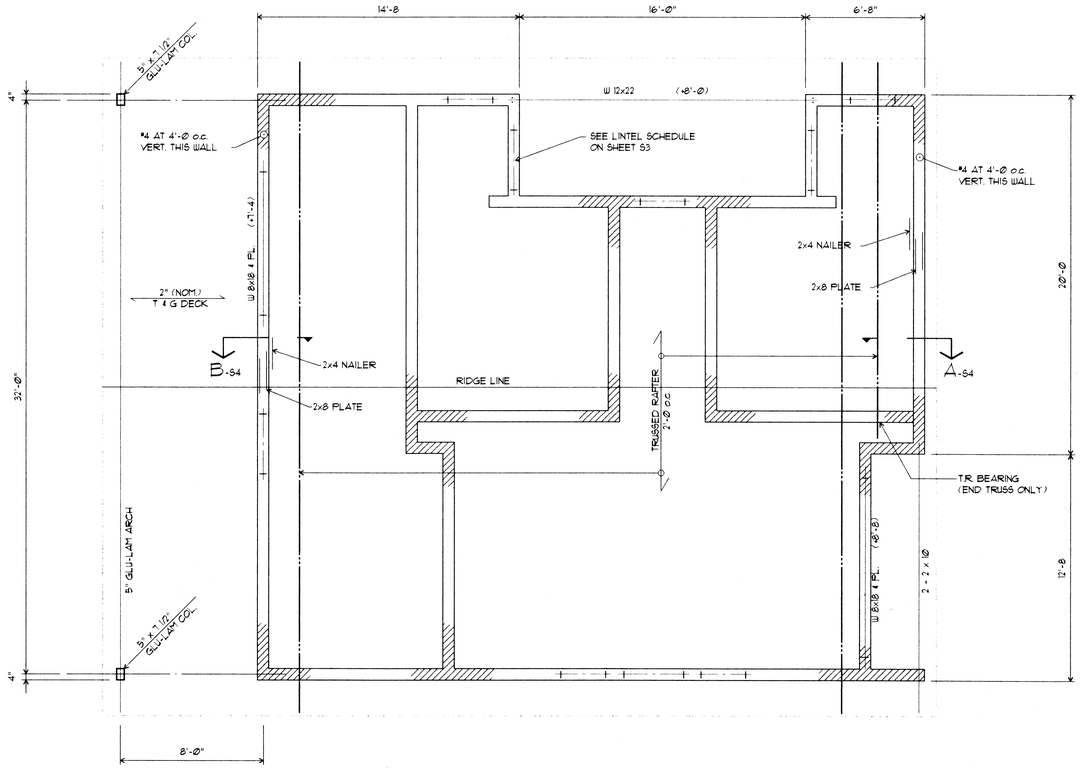
TRUSSED RAFTER BRIDGING AND BRACING WORK

NOTE 'A'
PROVIDE TEMPORARY BRACING AS REQUIRED. SEE T.P.I. PUBLICATION HIB-91 FOR RECOMMENDATIONS.

NOTE 'B'
PROVIDE PERMANENT LATERAL BRACING AS REQUIRED BY TRUSS DESIGN.

NOTE 'C'
PROVIDE 45° DIAGONAL BRACING IN PLANE OF BOTTOM CHORD AT ENDS OF BUILDING AND AT 20'-0" INTERVALS.

NOTE 'D'
PROVIDE 45° DIAGONAL BRACING IN PLANE OF WEB MEMBERS AT ENDS OF BUILDING AND AT 20'-0" INTERVALS.



ROOF FRAMING PLAN

1/4" = 1'-0

TOP OF STEEL ELEVATIONS SHOWN THUS (-) ARE REFERENCED TO FINISHED FLOOR ELEVATION = (-0'-0)

ROOF CONSTRUCTION:
3/4" PLYWOOD ROOF SHEATHING W/ PLYCLIPS NAILED TO TRUSSED RAFTERS.
2" (NOMINAL) T & G WOOD DECK NAILED TO GLU-LAM ARCHES.

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EDG ENVIRONMENTAL DESIGN GROUP
ENGINEERS • LANDSCAPE ARCHITECTS • SURVEYORS
450 GRANT STREET AKRON, OHIO 44311-1183
TEL (330) 375-1390 FAX (330) 375-1590

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HVAC AND PLUMBING GENERAL

REFER TO ALL OTHER DRAWINGS AND SPECIFICATIONS, AND BE RESPONSIBLE FOR ALL APPLICABLE PROVISIONS THEREIN. FURNISH AND INSTALL ALL NECESSARY LABOR AND MATERIALS FOR A COMPLETE SYSTEM. ANY APPLIANCES OR MATERIALS OBVIOUSLY A PART OF THE SYSTEM AND NECESSARY FOR ITS PROPER OPERATION, ALTHOUGH NOT SPECIFICALLY MENTIONED HEREIN, SHALL BE FURNISHED AND INSTALLED AS IF CALLED FOR IN DETAIL. WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL CODES AND NFPA 90A AND THE BUILDING REGULATIONS. ATTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES. EQUIPMENT AND MATERIALS SHALL BE NEW, UNLESS OTHERWISE SPECIFIED.

DRAWINGS ARE GENERALLY DIAGRAMMATIC AND DO NOT NECESSARILY SHOW EVERY FITTING, OFFSET, DROP AND RISE OF RUNS, AND DETAIL. INSTALL DUCTS, EQUIPMENT AND CONTROLS IN A NEAT, WORKMANLIKE MANNER AND IN ACCORDANCE WITH GOOD PRACTICE FOR A COMPLETE, WORKABLE INSTALLATION. AVOID CONFLICT WITH LOCATIONS OF FIXTURES, APPARATUS, DUCTWORK AND PIPING, AND WHILE THESE ARE TO BE FOLLOWED AS CLOSELY AS POSSIBLE, IF IT IS NECESSARY TO CHANGE THE LOCATION OF SAME TO ACCOMMODATE BUILDING CONDITIONS, MAKE CHANGES WITHOUT ADDITIONAL COST TO THE OWNER AND AS APPROVED BY THE ARCHITECT. PROVIDE ADEQUATE ACCESS TO THE EQUIPMENT AND APPARATUS REQUIRING OPERATION, SERVICE OR MAINTENANCE WITHIN THE LIFE OF THE SYSTEM. DO NOT RUN PIPING OR DUCTWORK OR LOCATE EQUIPMENT (WITH RESPECT TO SWITCHBOARDS, PANEL BOARDS, POWER PANELS, MOTOR CONTROL CENTERS OR DRY TYPE TRANSFORMERS) WITHIN 42 INCHES OF FRONT OF EQUIPMENT, OVER EQUIPMENT, OR WITHIN 36 INCHES HORIZONTALLY OF SAME SPACE.

EXISTING CONDITIONS

CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH JOB CONDITIONS BEFORE SUBMITTING HIS PROPOSAL. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY LOCATIONS AND SIZES OF ALL EXISTING UTILITY SERVICES PRIOR TO SUBMITTING HIS PROPOSAL. NO CONSIDERATION WILL BE GIVEN TO CLAIMS FOR EXTRA COST ARISING FROM CONTRACTORS FAILURE TO BE FULLY COGNIZANT OF JOB OR SITE CONDITIONS EXISTING AT TIME OF ACCEPTANCE OF BID.

IF DURING THIS INSPECTION THE CONTRACTOR FINDS ANY OBSTRUCTION OR INTERFERENCE THAT MAY PROHIBIT THE PROPER INSTALLATION OF HIS WORK, HE IS TO MAKE IT KNOWN TO THE BUILDING MANAGEMENT AND/OR OWNER AND TENANT BEFORE AND AT THE TIME OF SUBMITTING HIS PROPOSAL.

BY SUBMISSION OF THE BID, IT IS UNDERSTOOD THAT SUCH INSPECTION HAS BEEN MADE AND INCLUDES ALL THE MATERIALS AND REQUIRED RELOCATION FOR ALL WORK.

ACTIVE SERVICES, WHEN ENCOUNTERED IN WORK, PROTECT, BRACE, SUPPORT EXISTING ACTIVE SEWERS, GAS AND OTHER SERVICES REQUIRED FOR PROPER EXECUTION OF WORK. IF EXISTING ACTIVE SERVICES ARE ENCOUNTERED THAT REQUIRE RELOCATION, RELOCATE AS APPROVED. DO NOT PREVENT OR DISTURB OPERATION OF ACTIVE SERVICES THAT ARE TO REMAIN.

INACTIVE SERVICES, WHEN ENCOUNTERED IN WORK, REMOVE, CAP OR PLUG INACTIVE SERVICES, AS INDICATED.

INTERRUPTION OF SERVICES, WHERE WORK MAKES TEMPORARY SHUT-DOWNS OF SERVICES UNAVOIDABLE, SHUT DOWN AT NIGHT, OR AT SUCH TIMES AS APPROVED BY OWNER AND THE BUILDING MANAGEMENT, WHICH WILL CAUSE LEAST INTERFERENCE WITH ESTABLISHED OPERATING ROUTINE. ARRANGE WORK TO ASSURE THAT SERVICES WILL BE SHUT DOWN ONLY DURING THE ACTUALLY REQUIRED TO MAKE NECESSARY CONNECTION TO EXISTING WORK.

WHERE EXISTING WALLS, CEILINGS, FLOORS, ETC., ARE CUT OR OTHERWISE DAMAGED DURING CONSTRUCTION, REPAIR ALL SURFACES TO THEIR ORIGINAL CONDITION.

COORDINATION

COORDINATE ALL WORK UNDER THIS DIVISION WITH WORK UNDER OTHER DIVISIONS. PROVIDE ADJUSTMENTS AS NECESSARY, EQUIPMENT, APPARATUS, DUCTWORK, PIPING, ETC., INSTALLED WITHOUT REGARD FOR THE SPACE REQUIREMENTS OF OTHER TRADES WILL BE REWORKED AT THE EXPENSE OF THE INSTALLING SUB-CONTRACTOR IF IT CREATES AN UNNECESSARY HINDRANCE TO THE INSTALLATION OF ANOTHER TRADES WORK. ALL ITEMS MOUNTED AT OR BELOW THE CEILING, AND ANY ITEM PENETRATING THE CEILING, SHALL BE COORDINATED WITH THE ARCHITECTURAL REFLECTED CEILING PLANS.

PROTECTION DURING CONSTRUCTION

PROVIDE PROTECTIVE COVERS, SKID, PLUGS OR CAPS TO PROTECT EQUIPMENT AND MATERIALS FROM DAMAGE AND DETERIORATION DURING CONSTRUCTION.

CONTRACTOR SHALL TAKE PRECAUTIONS AGAINST DAMAGING OR DISRUPTING BUILDING SYSTEMS, WIRING OR CONTROL TUBING FOR ADJACENT TENANTS. ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTORS COST.

PROTECT ALL EQUIPMENT AND MATERIALS FROM DAMAGE. ANY DAMAGE SHALL BE REPAIRED USING THE SAME MATERIALS AT THE CONTRACTORS COST.

GUARANTEE

MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED AGAINST DEFECTS FOR ONE YEAR.

PIPE INSULATION

PROVIDE ALL INSULATION MATERIAL (INSULATION, JACKETS, FITTING COVERS, ADHESIVES, CEMENTS, MASTICS, SEALERS, COATINGS AND FINISHES) WITH A COMPOSITE FIRE AND SMOKE HAZARD RATING AS TESTED UNDER PROCEDURE ASTM E-84, NFPA 255 AND UL 723 NOT EXCEEDING A FLAME SPREAD 25 AND SMOKE DEVELOPED 50.

TYPE P1 ASTM C547, CLASS 1 (-20 DEGREE F TO 500 DEGREE F).

FIBERGLASS, MINIMUM 4 POUNDS PER CUBIC FOOT (P.C.F.) DENSITY, K FACTOR @ 23 MAXIMUM AT 75 DEGREE F MEAN, WITH FACTORY-APPLIED ALL-SERVICE JACKET (ASJ) COMPOSED OF REINFORCED KRAFT AND ALUMINUM FOIL LAMINATE. JACKET SHALL HAVE SELF-SEALING LAP TO FACILITATE CLOSING LONGITUDINAL AND END JOINTS.

TYPE P2 ANSI A117-1-1980 ADA COMPLIANT INSULATION KIT.

FIBERGLASS INSULATION WITH VINYL COVER AND SEALING STRIPS. FURISH TRAP COVER WITH WEEP SEAM TO PREVENT LEAKAGE BUILD-UP.

APPROVED PRODUCTS:

OWENS/CORNING FIBERGLASS SSL II
KNAUF PIPE INSULATION ASJ/SSL
3M
TRUEBRO
SKAL GARD

INSTALLATION OF PIPE INSULATION

INSTALL INSULATION ON PIPE SYSTEMS SUBSEQUENT TO TESTING AND ACCEPTANCE OF TEST.

MAINTAIN INTEGRITY OF VAPOR-BARRIER JACKETS ON PIPE INSULATION, AND PROTECT TO PREVENT PUNCTURE OR OTHER DAMAGE. SEAL OPEN ENDS OF INSULATION WITH MASTIC. SECTIONALLY SEAL ALL BUTT ENDS OF ALL COLD WATER PIPING INSULATION AT FITTINGS WITH WHITE VAPOR BARRIER COATING.

COVER VALVES, FLANGES, FITTINGS, AND SIMILAR ITEMS IN EACH PIPING SYSTEM WITH EQUIVALENT THICKNESS AND COMPOSITION OF INSULATION AS APPLIED TO ADJOINING PIPE RUN. INSTALL FACTORY MOLDED, PRECUT OR JOB FABRICATED UNITS (AT INSTALLERS OPTION). FINISH COLD PIPE FITTINGS WITH WHITE VAPOR BARRIER COATING AND HOT PIPING WITH WHITE VINYL ACRYLIC MASTIC, BOTH REINFORCED WITH GLASS CLOTH.

EXTEND PIPING INSULATION WITHOUT INTERRUPTION THROUGH WALLS, FLOORS, HANGERS, AND SIMILAR PIPING PENETRATIONS, EXCEPT WHERE OTHERWISE INDICATED.

INSTALL PROTECTIVE METAL SHIELDS AND FOAMGLASS INSERTS WHERE PIPE HANGERS BEAR ON OUTSIDE OF INSULATION.

SHOP DRAWINGS

PROVIDE SIX (6) SETS OF SHOP DRAWINGS FOR APPROVAL OF ENGINEER ON ALL EQUIPMENT: FAUCETS, HEATERS, FLOOR DRAINS, ETC.. NO EQUIPMENT SHALL BE ORDERED UNTIL SHOP DRAWINGS HAVE BEEN APPROVED.

PIPING

GENERAL: PIPING SHALL BE COMPLETE WITH PIPE FITTINGS, VALVES, COUPLING, STRAINERS, HANGER RODS, HANGERS, SUPPORTS, GUIDES, SLEEVES AND ACCESSORIES IN CONFORMANCE WITH THE LATEST CODES AND ASME, ANSI, ASTM AND MSS STANDARDS.

PROVIDE FITTINGS FOR CHANGE IN PIPE SIZE AND FOR FINAL CONNECTION AT EQUIPMENT, AS REQUIRED.

PROVIDE UNION CONNECTIONS AT EACH PIECE OF EQUIPMENT AND ON EACH SIDE OF ALL VALVES AND IN-LINE EQUIPMENT.

PROVIDE VALVED AND CAPPED CONNECTIONS AT ALL POINTS IN PIPING SYSTEMS REQUIRED FOR DRAINING SYSTEMS.

PIPING SUPPORTS

PROVIDE ALL INSERTS, HANGERS, ANCHORS, GUIDES AND SUPPORTS TO PROPERLY SUPPORT AND RETAIN PIPING AND EQUIPMENT: TO CONTROL EXPANSION, CONTRACTION, ANCHORAGE, DRAINAGE AND PREVENT SWAY AND VIBRATION.

PROVIDE INSERTS FOR SUPPORT OF WORK IN CONCRETE CONSTRUCTION. PROVIDE FORGED STEEL BEAM CLAMPS WHEN ATTACHING TO STEEL CONSTRUCTION.

SUPPORT INDIVIDUAL PIPING FROM HANGERS AS MANUFACTURED BY GRINNELL, MICHIGAN HANGER COMPANY, MODERN OR FEE AND MASON. SUPPORT AS FOLLOWS:

UNINSULATED PIPING 2" AND SMALLER: GRINNELL FIG 97 MALLEABLE IRON ADJUSTABLE NUT AND WROT RING.

UNINSULATED PIPING 2-1/2" AND LARGER: GRINNELL FIG 260 CARBON STEEL ADJUSTABLE WROT CLEVIS TYPE.

COPPER TUBING (UNINSULATED PIPING): GRINNELL FIG CT-99 CARBON STEEL RING AND MALEABLE IRON ADJUSTING NUT COMPLETELY COPPER PLATED.

INSULATED PIPING 2" AND SMALLER: 18 GAUGE GALVANIZED STEEL SHIELD (GRINNELL FIG 167) OVER INSULATION IN 180 DEG SEGMENTS, MINIMUM 12" LONG WITH GRINNELL FIG 260 ADJUSTABLE CLEVIS TYPE HANGER.

HANGER SPACING (STEEL PIPE):

PIPE SIZE	MAX SPACING	MIN ROD DIAMETER
UP TO 1"	6'	3/8"
1-1/4"	8'	3/8"
1-1/2", 2"	10'	3/8"
2-1/2", 3"	12'	1/2"
4"	12'	5/8"

PROVIDE ADDITIONAL HANGER SUPPORT WITHIN TWO FEET OF EACH ELBOW AND AT VALVES, STRAINERS AND OTHER EQUIPMENT IN PIPE LINES.

SUPPORT COPPER PIPE AT INTERVALS OF NOT OVER 10 FEET FOR 1-1/2 INCH AND LARGER, AND NOT OVER 5 FEET FOR 1-1/4 INCH AND SMALLER. PROVIDE ADDITIONAL SUPPORTS WHERE NECESSARY TO MAINTAIN PROPER ALIGNMENT.

SUPPORT SANITARY VENT PIPING HUNG FROM BUILDING CONSTRUCTION AT INTERVALS OF NOT OVER 4 FEET AND NEXT TO JOINT. PROVIDE ADDITIONAL SUPPORTS WHERE NECESSARY TO MAINTAIN PROPER ALIGNMENT.

PIPING MATERIAL

DOMESTIC WATER PIPING:

TYPE "L" HARD DRAWN SEAMLESS COPPER PIPING (ASTM B88). FITTINGS SHALL BE WROT COPPER SOLDER JOINT TYPE (ASTM B16.22) WITH 95-5 LEAD FREE SOLDER (ASTM B32).

SANITARY WASTE AND VENT PIPING: (ABOVE GRADE)

NO HUB CAST IRON PIPE (ASTM A888) AND FITTINGS (CISPI-301) JOIN PIPE USING NO HUB COUPLING (ASTM C1277), METAL HOUSING, CORROSION RESISTANT FASTENERS AND RUBBER GASKET WITH INTEGRAL CENTER PIPE STOP (ASTM C564) HEAVY DUTY.

SANITARY WASTE AND VENT PIPING: (BELOW GRADE)

HUB AND SPICOT CAST IRON PIPE (ASTM A74). FITTINGS SHALL BE SAME WITH GASKETS.

VALVES

VALVES SHALL BE INSTALLED WHERE INDICATED ON DRAWINGS AND WHERE NECESSARY FOR PROPER AND SAFE OPERATION AND MAINTENANCE.

VALVES FOR WATER PIPING SHALL BE SUITABLE FOR THE SERVICE PRESSURE AND TEMPERATURE. WHERE POSSIBLE ALL VALVES SHALL BE OF THE SAME MANUFACTURER. MANUFACTURER SHALL BE GRINNELL, MILWAUKEE, NIBCO AND STOCKHAM.

VALVES IN WATER PIPING 2" AND SMALLER: TWO PIECE BALL VALVES WITH CAST BRONZE BODY, TEFLON SEATS, CONVENTIONAL PORT, BLOW-OUT PROOF STEM, ADJUSTABLE PACKING GLAND, CHROME PLATED SOLID BRONZE BALL SOLDERED OR THREADED ENDS. MINIMUM 150 POUND WORKING PRESSURE.

HORIZONTAL CHECK VALVES 2" AND SMALLER: SWING TYPE DESIGN, CLASS 125, 200 POUND WORKING PRESSURE, WITH BRONZE BODY AND CAP WITH SOLDERED OR THREADED ENDS, CONFORM TO ASTM B62.

PROVIDE ALL REQUIRED STRAINERS, UNIONS, DIELECTRIC CONNECTIONS, GUIDES, ANCHORS AS REQUIRED FOR A COMPLETE WORKING SYSTEM.

KME Consulting, LLC
Professional Engineers

1250 RIVERBED STREET
SUITE 310
CLEVELAND, OHIO 44113

PHONE 216 575-0224
FAX 216 575-0349

EF — EXHAUST & CIRCULATING FANS

MARK	SERVICE	MAKE	MODEL	TYPE	DRIVE	OPENING	WEIGHT	CFM	EXT SP.	RPM	HP/ WATTS	ELECTRIC	REMARKS
EF-1	TOILET ROOMS	CARNES	VEBK 06 K5	ROOF MTD. CENTRIFUGAL	BELT	ROOF 11"x11"	70 LBS.	400	Ø5"	1220	1/6	120V/1/60	1

1. COMPLETE WITH PRE-FAB ROOF CURB, BACKDRAFT DAMPER, DISCONNECT SWITCH AND BIRDSCREEN. FAN TO BE WIRED TO MOTION SENSOR FURNISHED BY ELEC. CONTRACTOR.

CUH — CABINET UNIT HEATER SCHEDULE

MARK	TYPE	CAPACITY (MBH/KW)	CFM	MTG. HT. (FT.)	RECESS DEPTH	VOLTAGE	MANUF.	MODEL	REMARKS
UH-1	ELECTRIC COIL	10.2/3	350	6'-8.5"	13"	208V-3Ø	ELECTROMODE	EUH-WB-03B24CT	SMALL RECESSED WALL MOUNTED, COMPLETE W/ DISCONNECT SWITCH

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	WASTE	VENT	HW	CW	MANUFACTURER AND MODEL	REMARKS
WC	WALL MTD. WATER CLOSET	2"	2"	-	1/2"	CRANE 3-446E	HANDICAPPED FIXTURES MOUNTED @ 17".
U	URINAL	2"	2"	-	1/2"	AMERICAN STANDARD #6501010	-
LAV	LAVATORY	1-1/2"	1-1/4"	1/2"	1/2"	AMERICAN STANDARD #0124024	WALL MTG. LAV. "COMRADE", 20"x18" VITREOUS CHINA REAR OVERFLOW.
SS	SERVICE SINK	4"	2"	1/2"	1/2"	FIAT #19B-2424	-
EWH-1	ELEC. WATER HEATER	-	-	3/4"	3/4"	STATE #SBX-52-2LRT	52 GAL., 25 GPH REC. @ 90°F TEMP RISE, COORD. VOLTAGE W/ E.C.
EWH-2	ELEC. WATER HEATER	-	-	3/4"	3/4"	STATE #SBX-30-2LRT	30 GAL., 25 GPH REC. @ 90°F TEMP RISE, COORD. VOLTAGE W/ E.C.
CS	CONCESSION SINK	4"	2"	1/2"	1/2"	MOEN #CT-4322-3	-
DF	DRINKING FOUNTAIN	1-1/2"	1-1/4"	-	1/2"	M.D.T. #450	GREEN COLOR. VERIFY COLOR PRIOR TO ORDER.

FLOOR DRAINS

FLOOR DRAINS SHALL BE "J. R SMITH CO." MODEL #2010-A WITH 7" DIA. NICKEL BRONZE STRAINER AND FLASHING FLANGE. PROVIDE TRAP PRIMER CONNECTION WHERE REQUIRED.

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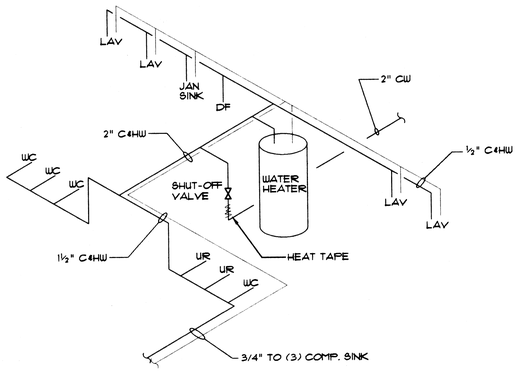
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450 GRANT STREET AKRON, OHIO 44311-1183
TEL. (330) 375-1390 FAX (330) 375-1590

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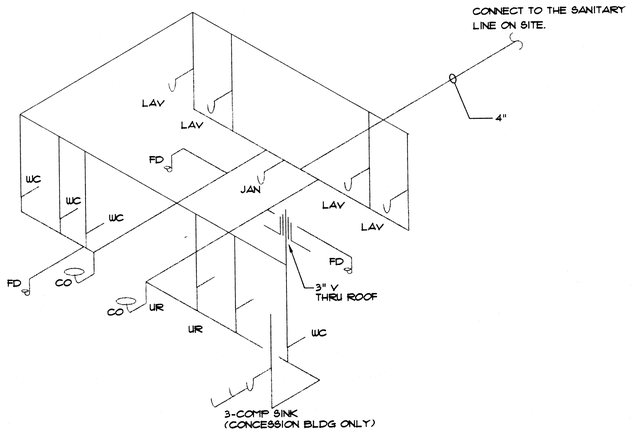
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PLUMBING GENERAL NOTES

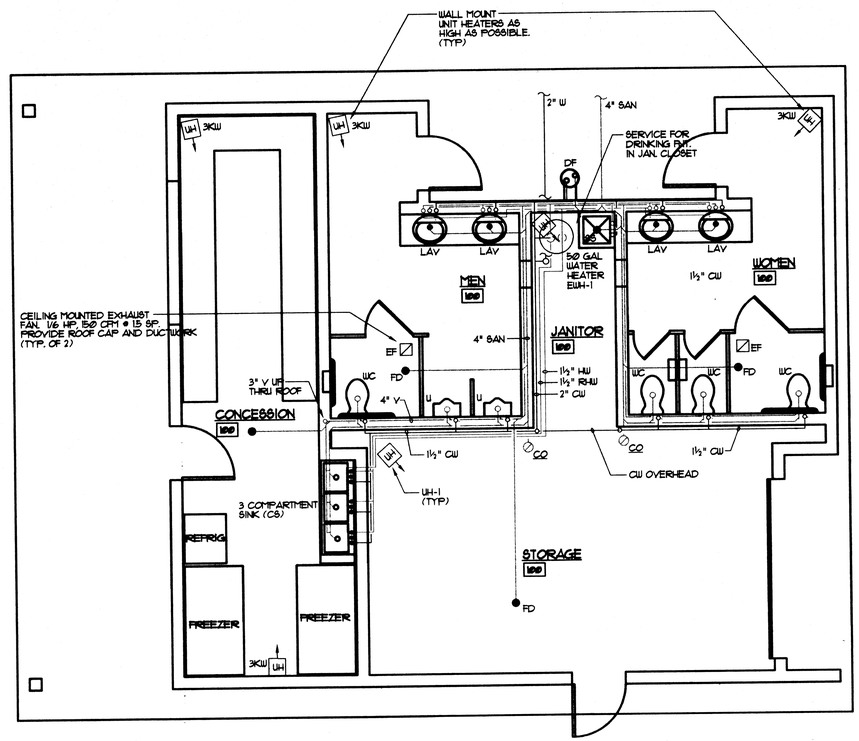
1. ALL WORK IS TO BE INSTALLED PER LOCAL BUILDING CODES AND APPROVED BY LOCAL BUILDING INSPECTORS.
2. COORDINATE CONNECTION TO LOCAL UTILITIES AND INSTALL PER ALL UTILITY REQUIREMENTS. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND INSPECTIONS REQUIRED FOR THIS WORK.
3. LOCATION OF PIPING AND EQUIPMENT SHOWN ON DRAWINGS ARE DIAGRAMMATIC. EXACT LOCATIONS SHALL BE SUBJECT TO BUILDING CONSTRUCTION AND INTERFERENCE WITH OTHER WORK.
4. SANITARY AND VENT PIPING TO BE SCH 40 PVC PLASTIC PIPE WITH SOLVENT WELDED JOINTS. BUILDING DRAINS TO BE INSTALLED WITH A MINIMUM PITCH OF 1.25%.
5. PROVIDE CLEAN OUTS AT ALL CHANGES IN DIRECTION, BOTTOM OF STACKS AND AT 50 FT INTERVALS.
6. DOMESTIC HOT AND COLD WATER PIPING TO BE TYPE L SEAMLESS COPPER TUBING WITH CAST BRASS OR WROUGHT COPPER JOINTS. SOLDER TO BE LEAD FREE TYPE.
7. PROVIDE BALL TYPE SERVICE VALVES AT ALL EQUIPMENT CONNECTIONS.
8. INSULATE HOT AND COLD WATER PIPING WITH 1" THICK HEAVY DENSITY FIBERGLASS INSULATION WITH A SELF SEALING VAPOR BARRIER JACKET.
8. STORM PIPING SYSTEM IS EXISTING AND IS TO REMAIN. TEST SYSTEM AND MAKE ANY NECESSARY REPAIRS.



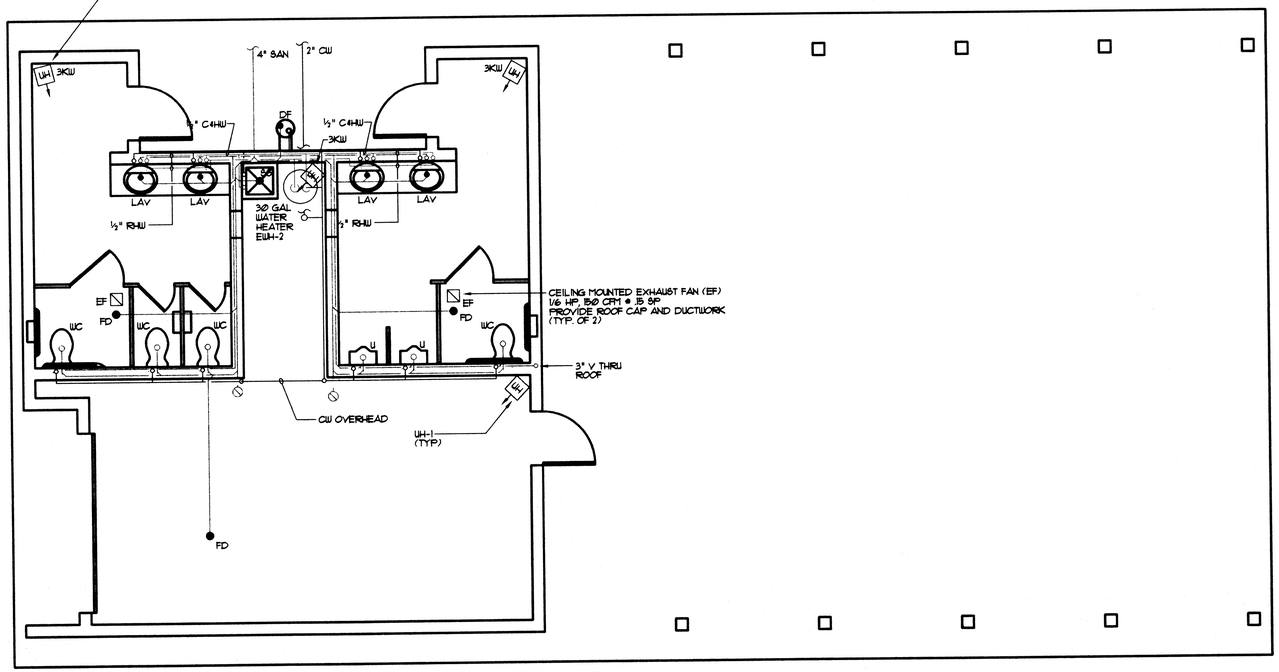
DOMESTIC WATER DIAGRAM
NO SCALE



STACK DIAGRAM
NO SCALE



CONCESSION BUILDING FLOOR PLAN
1/4" = 1'-0"



PARK PICNIC BUILDING FLOOR PLAN
1/4" = 1'-0"

KMR Consulting, LLC
Professional Engineers

1250 RIVERBED STREET
SUITE 510
CLEVELAND, OHIO 44113

PHONE 216 575-0224
FAX 216 575-0349

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160 ORANT STREET AKRON, OHIO 44311-1183
TEL. (330) 375-1590 FAX. (330) 375-1590

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