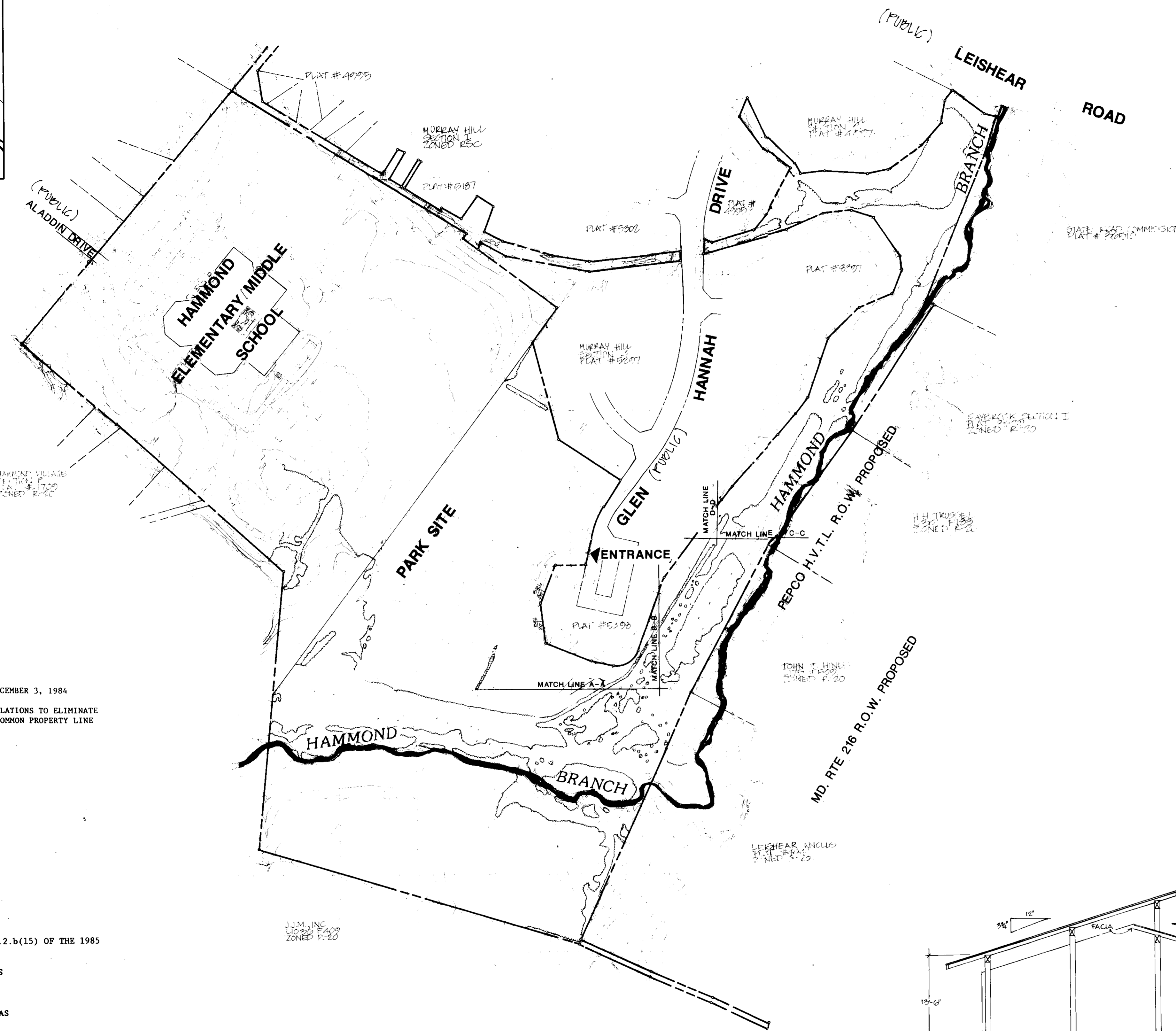


VICINITY MAP  
SCALE: 1"=2000'

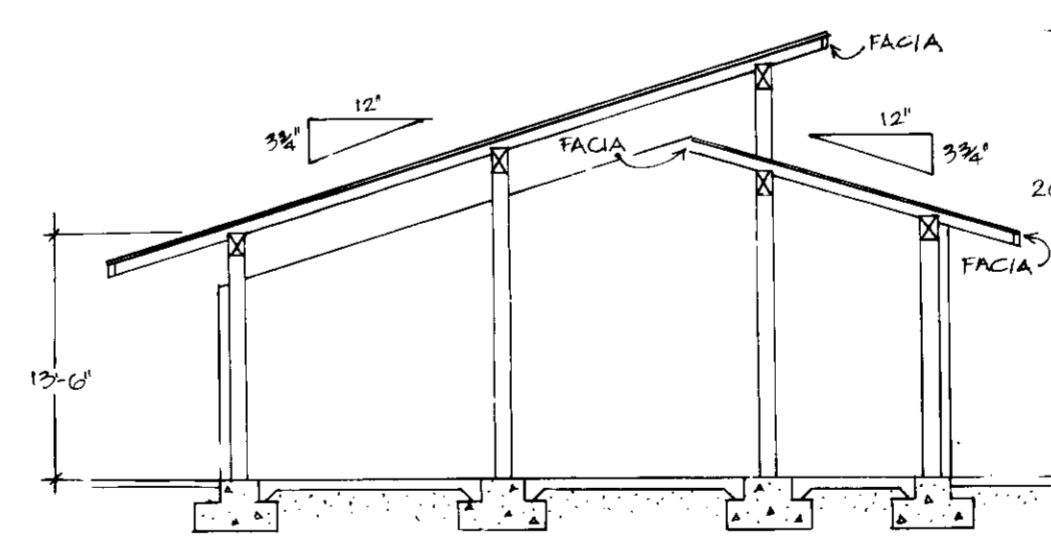


RESOLUTION NO. 180 ADOPTED DECEMBER 3, 1984  
 VARIANCE FROM THE STRICT APPLICATION OF THE ZONING REGULATIONS TO ELIMINATE REAR LOT SETBACK AND LANDSCAPE REQUIREMENTS ALONG THE COMMON PROPERTY LINE OF SCHOOL AND PARK PROPERTY.

**SITE ANALYSIS**

- EXISTING ZONING: RSC
- AREA OF PARCEL:  
 SCHOOL PROP 35.15 AC.  
 PARK PROP 50.0 AC.  
 TOTAL - 85.15 AC.
- FLOODPLAIN 37.4 AC.
- TOTAL DISTURBED AREA 11 @ AC ±
- PARKING DATA:  
 AS REQUIRED BY SECTION 127.B.2.b(15) OF THE 1985 HO. CO. ZONING REG.  
 PROVIDED 28 STANDARD SPACES  
 PROVIDED 2 HANDICAPPED SPACES
- BUILDING COVERAGE INCLUDING ALL IMPERVIOUS AREAS
- FLOODPLAIN LIMITS AS PER HAMMOND BRANCH DRAINAGE STUDY CAPITAL PROJECT D-1026.
- WETLAND DELINEATION AS FLAGGED BY MCGARTHY & ASSOC. SEPT. 1989.
- EXISTING UTILITIES ARE OBTAINED BY HOWARD COUNTY DEPT. OF PUBLIC WORKS ANNEX.

THE OPEN SPACE (GREEN AREA) TO REMAIN 82.9 AC AND 99%  
 THE BUILDING COVERAGE IS 2.20 AC AND 2%



**BUILDING PROFILE**

**LIST OF DRAWINGS**

DRAWING NUMBER	TITLE
1	COVER SHEET
2	SITE DEVELOPMENT PLAN
3	SITE DEVELOPMENT PLAN -
4	DETAILED SITE PLAN
5	PLAZA & PLAYGROUND WALLS
6	PLAZA & PLAYGROUND DETAILS
7	CHILDRENS PLAYGROUND
8	PLAY STRUCTURES
9	OVERALL PLANTING PLAN
10	DETAILED PLANTING PLAN
11	PLANTING DETAILS
12	PICNIC SHELTER
13	PICNIC SHELTER DETAILS
14	COURT GAMES
15	SOFTBALL FIELD & MISC. DETAILS
16	MISCELLANEOUS DETAILS
17	CONSTRUCTION LAYOUT PLAN
18	SEDIMENT & EROSION CONTROL PLAN
19	SEDIMENT & EROSION CONTROL NOTES, DETAILS, AND CERTIFICATIONS
20	WATER SERVICE / EXTENSION PLAN
21	WATER EXTENSION PROFILES, NOTES, AND CERTIFICATIONS
22	WATER CONNECTION PLAN
23	STORM DRAIN, STORM WATER MANAGEMENT PLAN
24	STORM DRAIN/SWM NOTES, DETAILS AND PROFILES
25	DRAINAGE AREA MAP

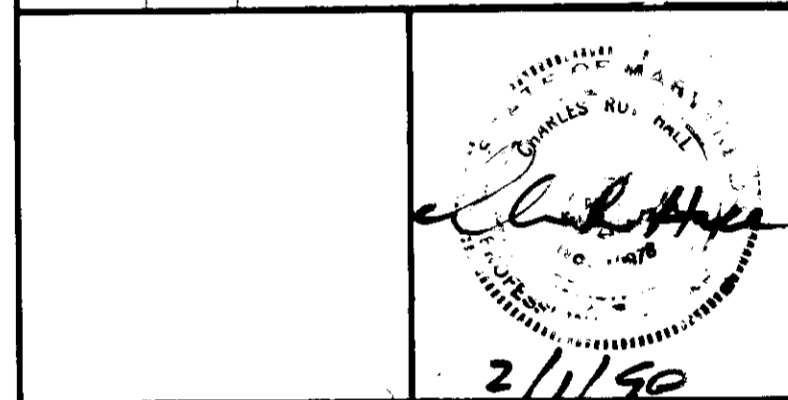
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Director: *[Signature]* Date: 2/23/90  
 Chief, Bureau of Engineering: *[Signature]* Date: 2-7-90

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT  
 County Health Officer: *[Signature]* Date: 2/16/90

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
 Planning Director: *[Signature]* Date: 2-27-90  
 Chief, Division of Community Planning and Land Development: *[Signature]* Date: LS

REVISIONS		
DATE	BY	DESCRIPTION



**Dewberry & Davis**  
 Engineers Architects Planners Surveyors  
 2594 Riva Road, Annapolis, MD 21401  
 (301) 841-6811

Owner: HOWARD COUNTY D.P.W.  
 3430 Court House Drive  
 Ellicott City, MD 21043 Phone (301) 992-2040

**Hammond Community Park**  
 Capital Project N-3024

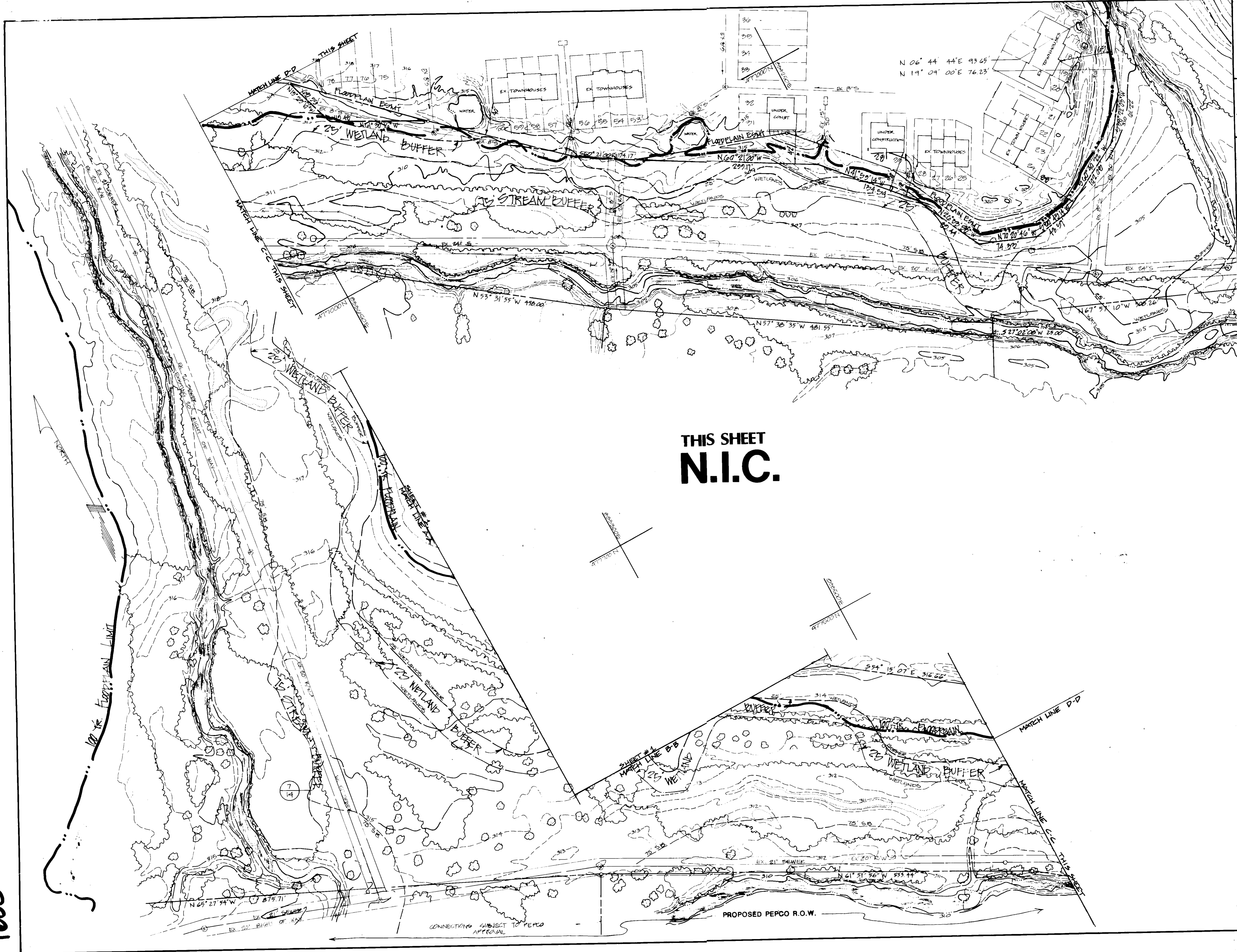
Hammond Park  
 Murray Hill Plat Nos. 4991-4995, 4997, 5187, 5231-5233, 5301, 5302, and 5397  
 Hammond Middle/Elementary School  
 User 443, Folio 97  
 TAX MAP P 45 PARCEL 3  
 6th Election District

Title: **COVER SHEET**

Date: DECEMBER 20, 1989  
 Designer: *[Signature]*  
 Drafter: K. MENEPEE  
 Scale: 1"=200'  
 Checked by: *[Signature]*

**HAMMOND COMMUNITY PARK**

2091



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Director: *James M. Kelly* 2-28-90  
 Date

Chief, Bureau of Engineering: *William B. Ray* 2-7-90  
 Date

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT

County Health Officer: *James M. Kelly* 2-28-90  
 Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Planning Director: *William B. Ray* 2-27-90  
 Date

Chief, Division of Community Planning and Land Development: *William B. Ray* 2-27-90  
 Date

REVISIONS		
DATE	BY	DESCRIPTION
4/30	GME	REMOVE THIS SHEET FROM CONTRACT



**Dewberry & Davis**  
 Engineers Architects Planners Surveyors  
 2884 Riva Road, Annapolis, MD 21401  
 (301) 841-6811

OWNER  
 HOWARD COUNTY D.P.W.  
 3430 Court House Drive  
 Ellicott City, MD 21043 Phone (301) 992-2040

**Hammond Community Park**  
 Capital Project N-3024

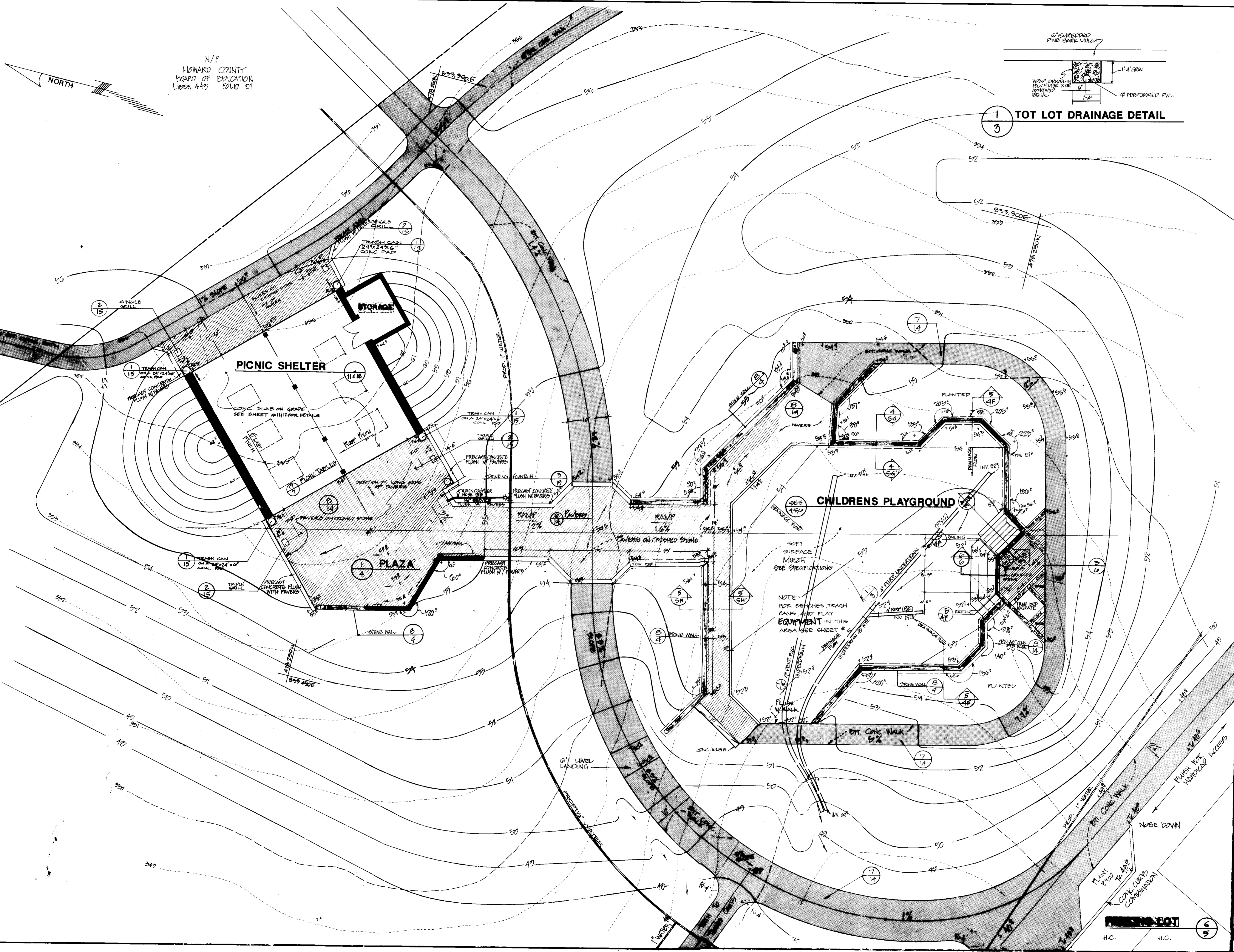
Hammond Park  
 Murray Hill Plat Nos. 4991-4995, 4997, 5187,  
 5237-5238, 5301, 5302, and 5397  
 Hammond Middle/Elementary School  
 Liber 443, Folio 97  
 6th Election District

Title: **SITE DEVELOPMENT PLAN**

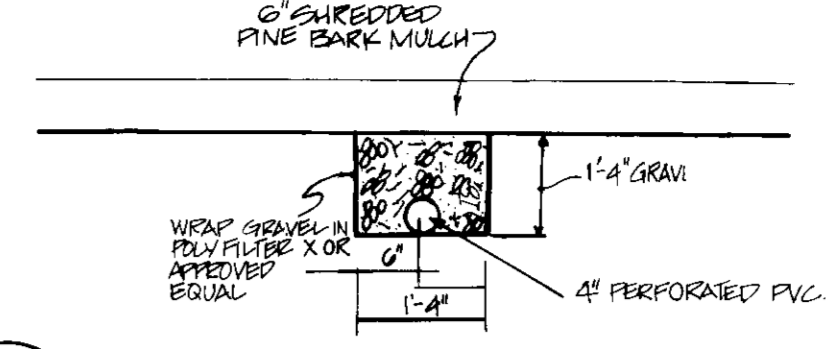
Date: DECEMBER 20, 1989	Drawing Number: <b>2</b>
Designer: B. KELLY, R. ALTER	Drafter: B. KELLY, R. MENESEE
Scale: 1"=50'	Checked by: VCL

504-90-50

1602



N/F  
HOWARD COUNTY  
BOARD OF EDUCATION  
LIBER 442 FOLD 91



1 TOT LOT DRAINAGE DETAIL  
3

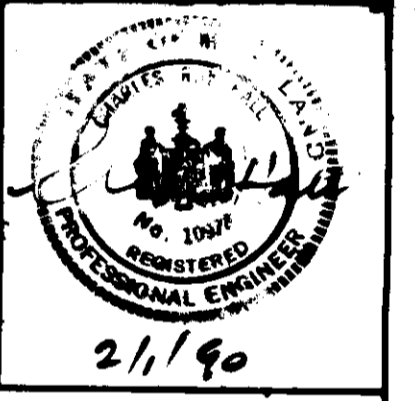
APPROVED: FOR PUBLIC WATER AND PUBLIC BEVERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James J. [Signature]* 2/20/90 Date  
Director  
*William [Signature]* 2-1-90 Date  
Chief, Bureau of Engineering

APPROVED FOR PUBLIC WATER AND PUBLIC BEVERAGE  
SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*James M. [Signature]* 2/16/90 Date  
County Health Officer

APPROVED: HOWARD COUNTY  
DEPARTMENT OF PLANNING & ZONING  
*[Signature]* 1.27.90 Date  
Planning Director  
*David S. [Signature]* 2/2/90 Date  
Chief, Division of Community Planning  
and Land Development

SEE SHEETS 67415 FOR  
EQUIPMENT DETAIL AND  
SCHEDULE

REVISIONS		
DATE	BY	DESCRIPTION
4-1-90	OME	REV. STONE WALL, GRADING, UNDERPAINT.



**Dewberry & Davis**  
Engineers Architects Planners Surveyors  
2594 Riva Road, Annapolis, MD 21401  
(301) 941-6811

Owner  
HOWARD COUNTY D.P.W.  
3430 Court House Drive  
Ellicott City, MD 21043 Phone (301) 992-2040

**Hammond  
Community Park**  
Capital Project N-3024

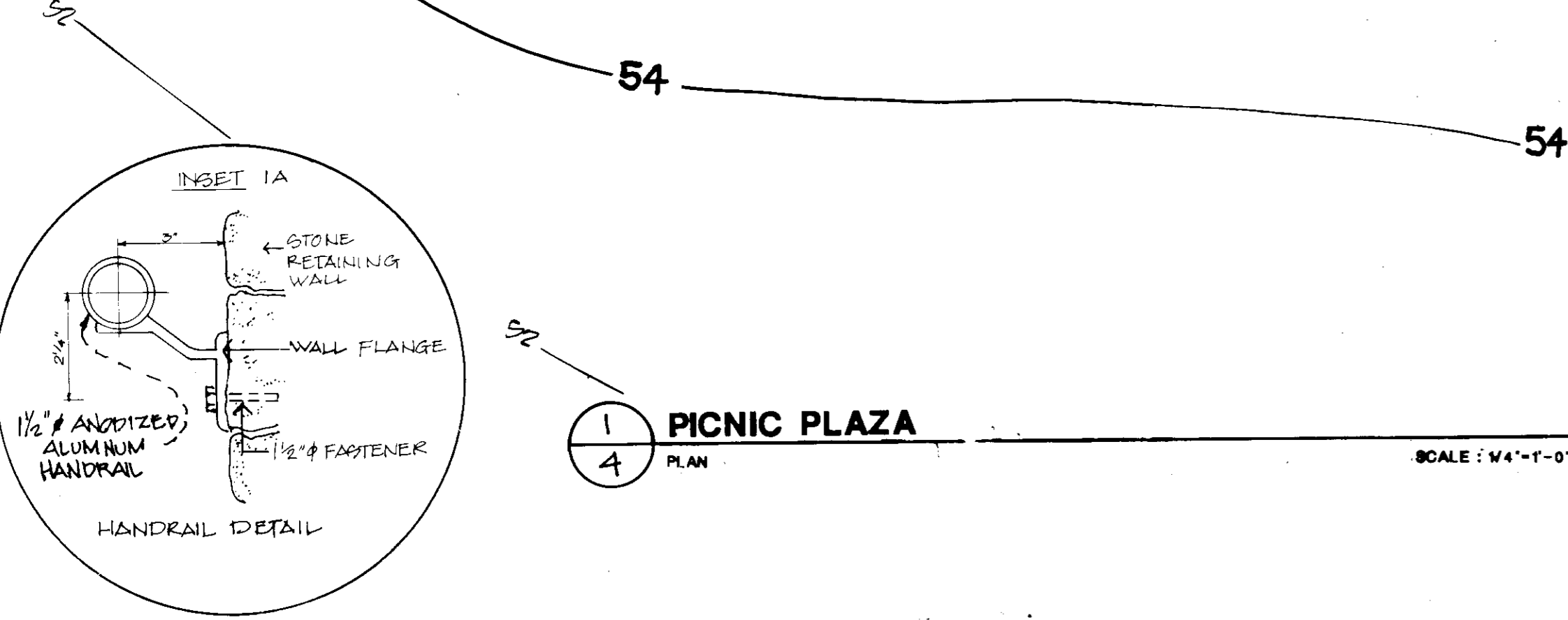
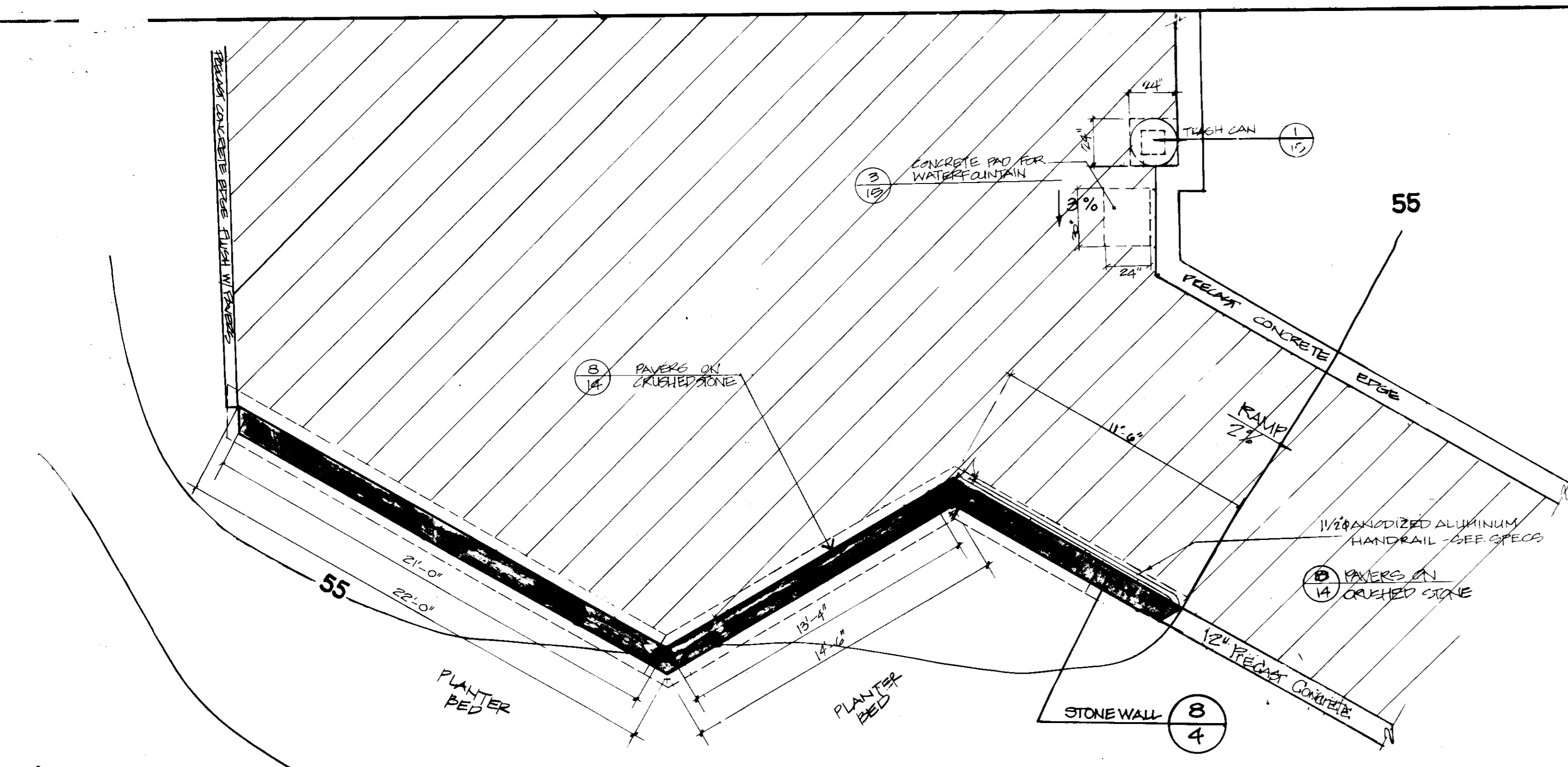
Hammond Park  
Murray Hill Plat Nos. 4951-4995, 4997, 5187,  
5231-5233, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

Title  
**DETAILED  
SITE PLAN**

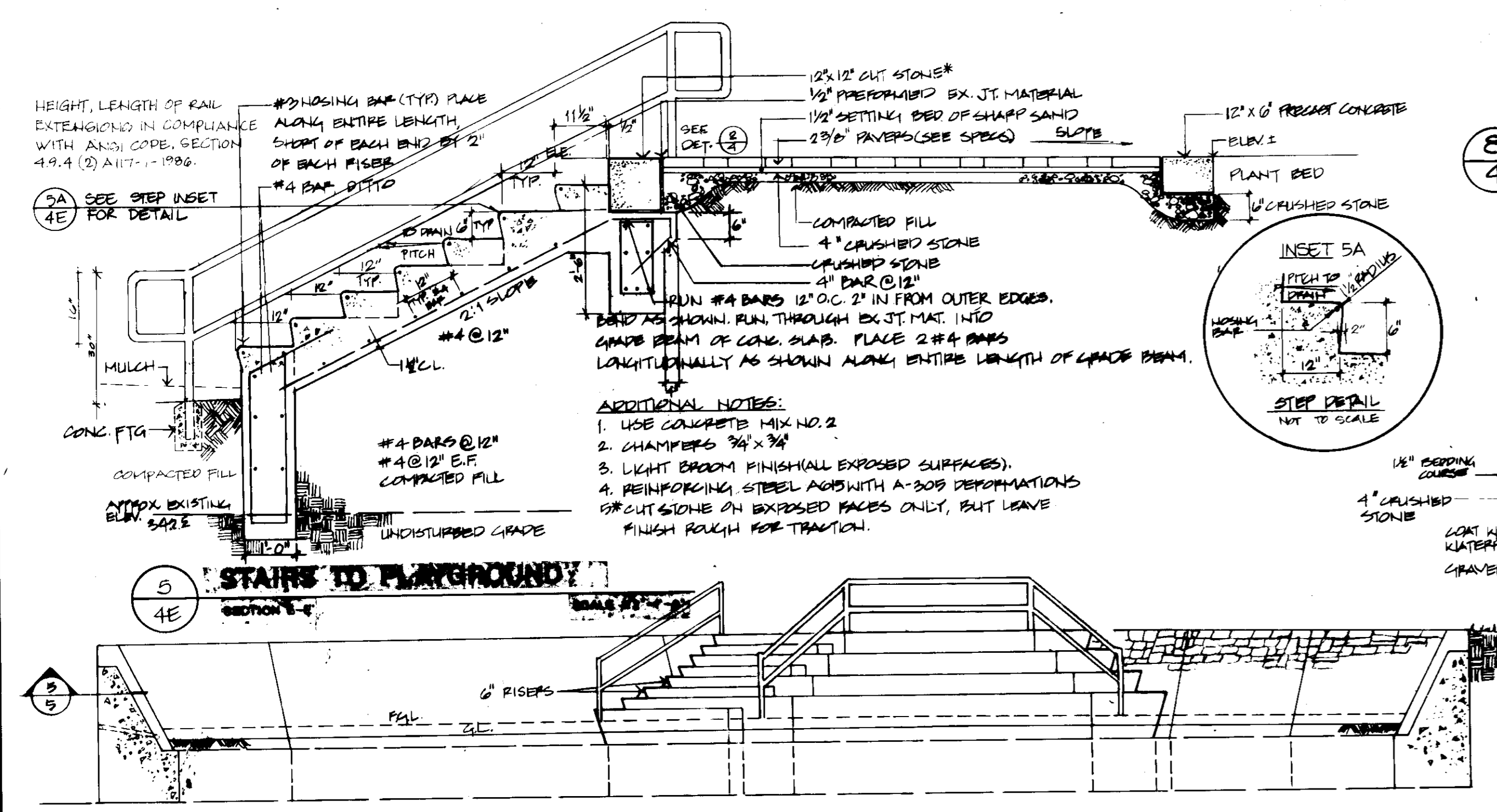
Date DECEMBER 20, 1989	Drawing Number
Designer BYRNE KELLY	Drafter A. SIMMONS
Scale 1" = 10'	Checked by [Signature]
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SDP-90-50

1602

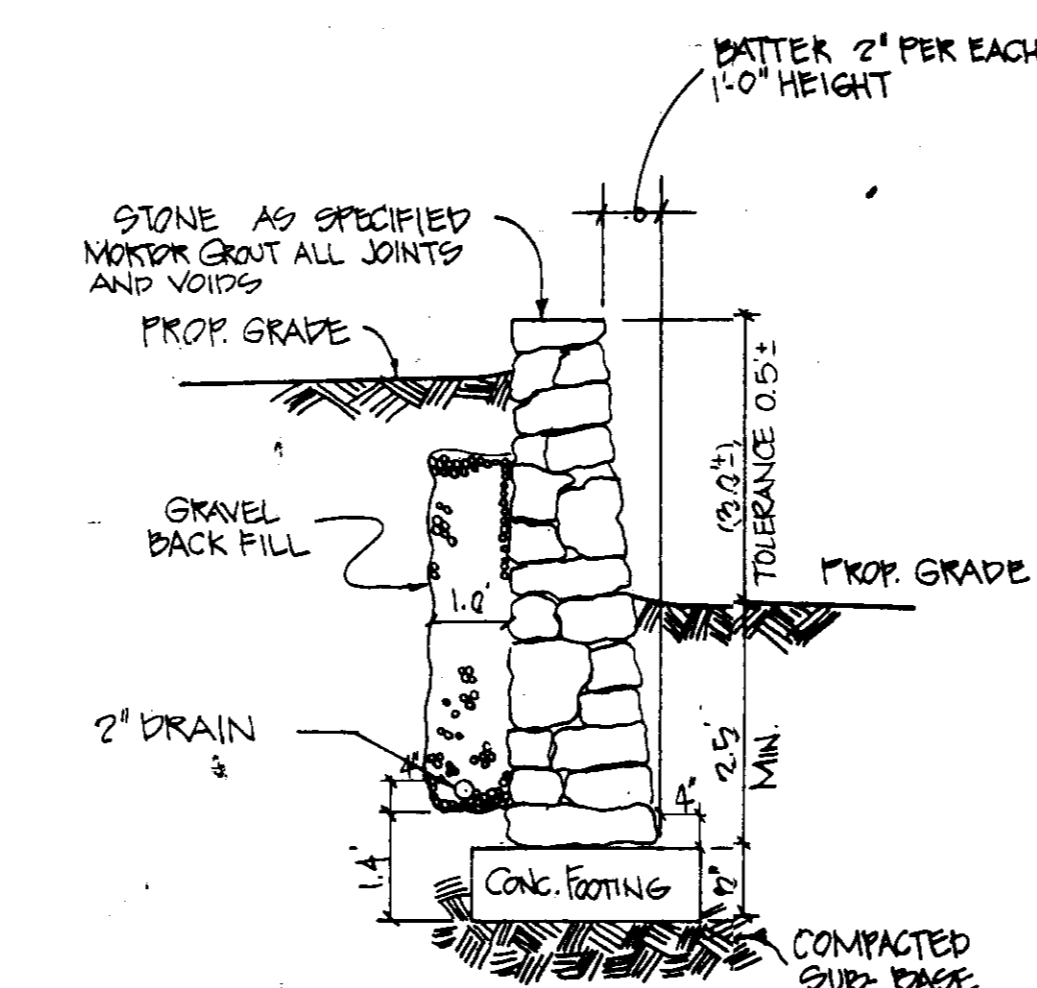


1 PICNIC PLAZA PLAN SCALE: 1/4" = 1'-0"

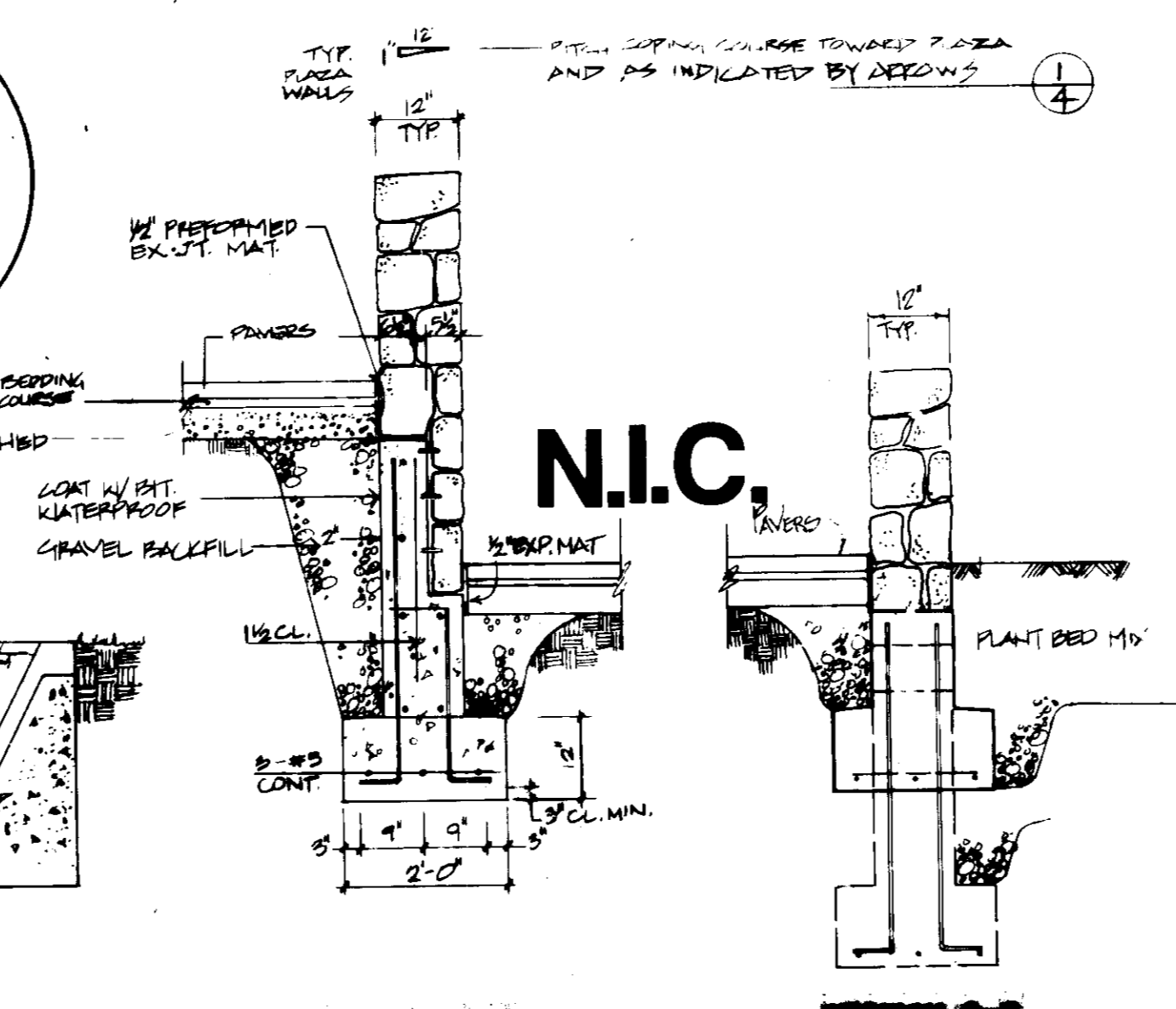


ADDITIONAL NOTES:  
 1. USE COLCRETE MIX NO. 2  
 2. CHAMBERS 3/4" x 3/4"  
 3. LIGHT BRDM FINISH ALL EXPOSED SURFACES.  
 4. REINFORCING STEEL AS SHOWN WITH A-305 DEFORMATIONS OR CUT STONE ON EXPOSED FACES ONLY, BUT LEAVE FINISH ROUGH FOR TRACTION.

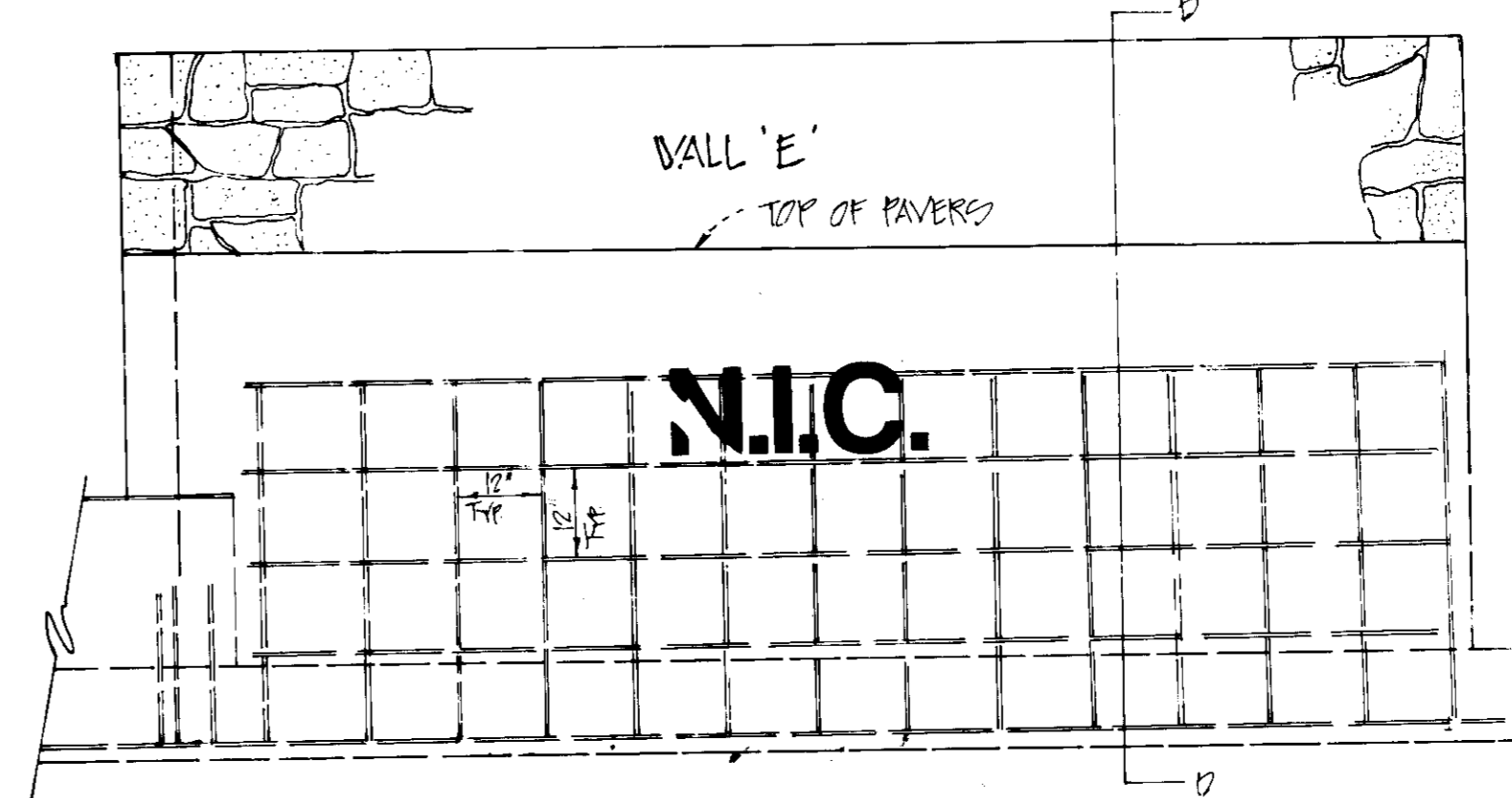
5 STAIRS TO PLAYGROUND SECTION 1-1



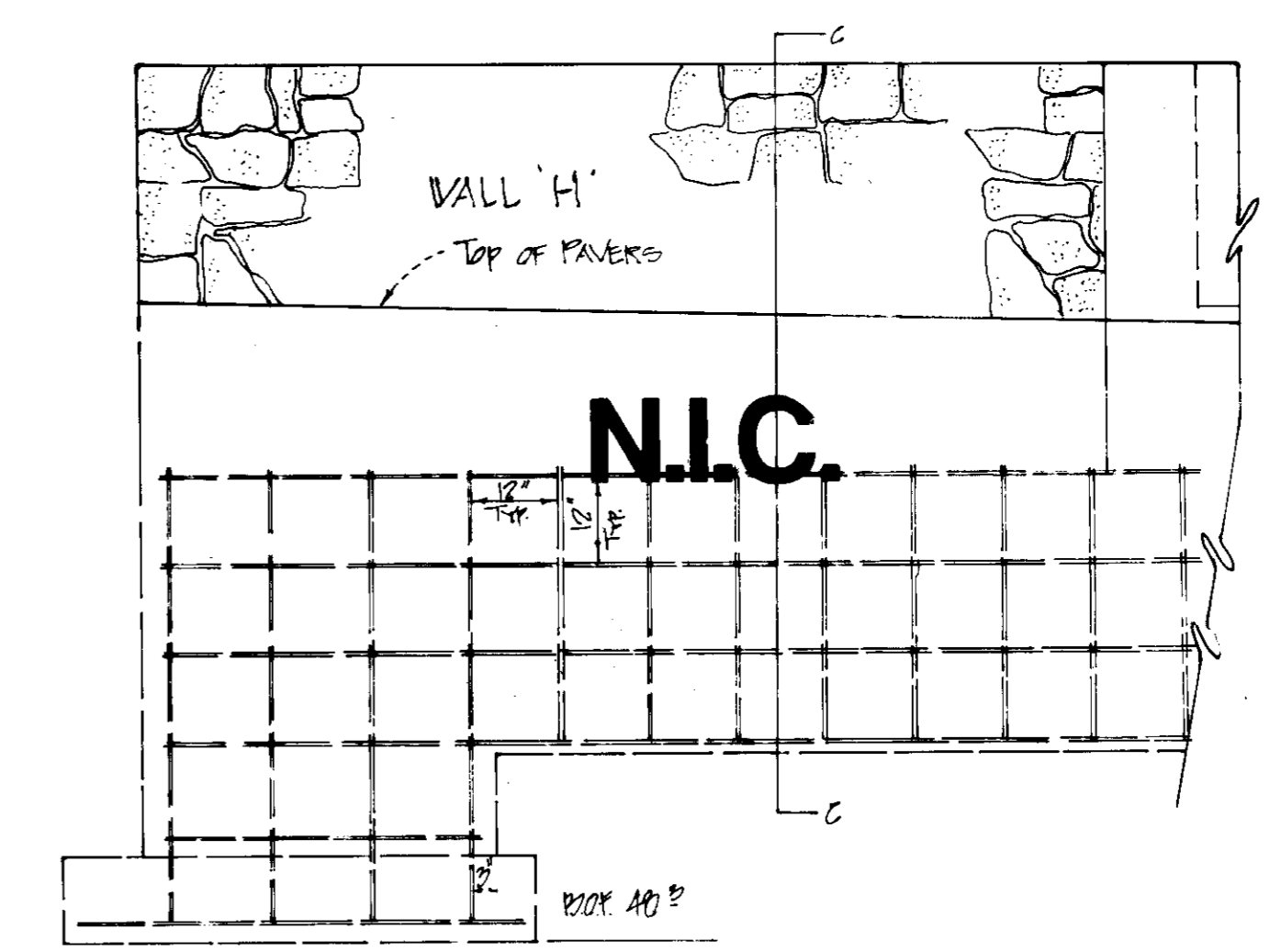
8 STONE WALL SCALE: 1/2" = 1'-0"



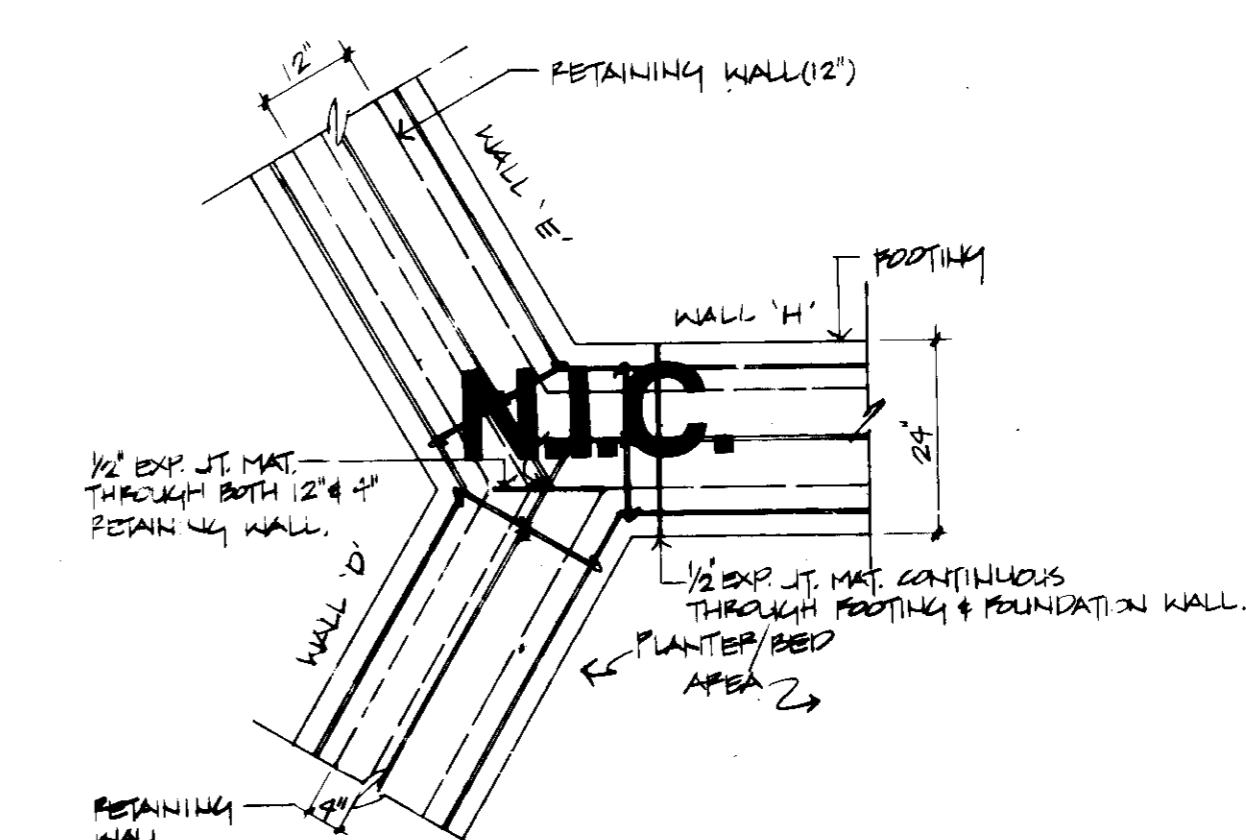
6 WALL RETAINING WALL PICNIC PLAZA SECTION 2-2



4 WALL 'E' ELEVATION - PICNIC PLAZA SCALE: 1/2" = 1'-0"



3 WALL 'H' ELEVATION - PICNIC PLAZA SCALE: 1/2" = 1'-0"



7 CONCRETE FOOTING & FOUNDATION WALL PICNIC PLAZA SECTION 3-3

GENERAL NOTES

ALL REINFORCING BARS IN RETAINING WALLS SHALL BE #4 ASTM STANDARD REINFORCING BARS UNLESS OTHERWISE NOTED. ALL BAR SHALL BE SET AT LEAST 1/2" FROM ANY EXPOSED SURFACE. ALL REINFORCING BARS SHALL BE PLACED AS SHOWN.

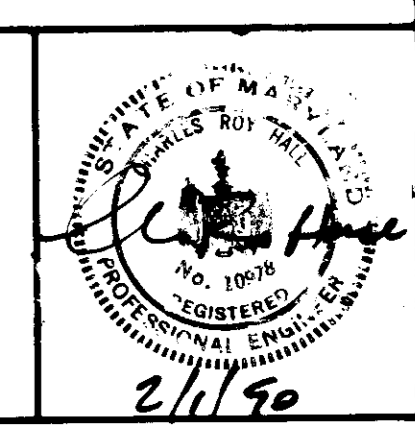
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Director: [Signature] 2-23-99 Date  
 Chief, Bureau of Engineering: [Signature] 2-7-99 Date

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT

County Health Officer: [Signature] 2-26-99 Date  
 Planning Director: [Signature] 4/2/99 Date  
 Chief, Division of Community Planning and Land Development

REVISIONS		
DATE	BY	DESCRIPTION
2/19/99	OME	REMOVE REINFORCED WALLS & PROVIDE NEW WALL SECTION.



Dewberry & Davis  
 Engineers Architects Planners Surveyors  
 2801 Corporate Drive, Suite 020, Lodeville, MD 20785  
 (301) 731-0273

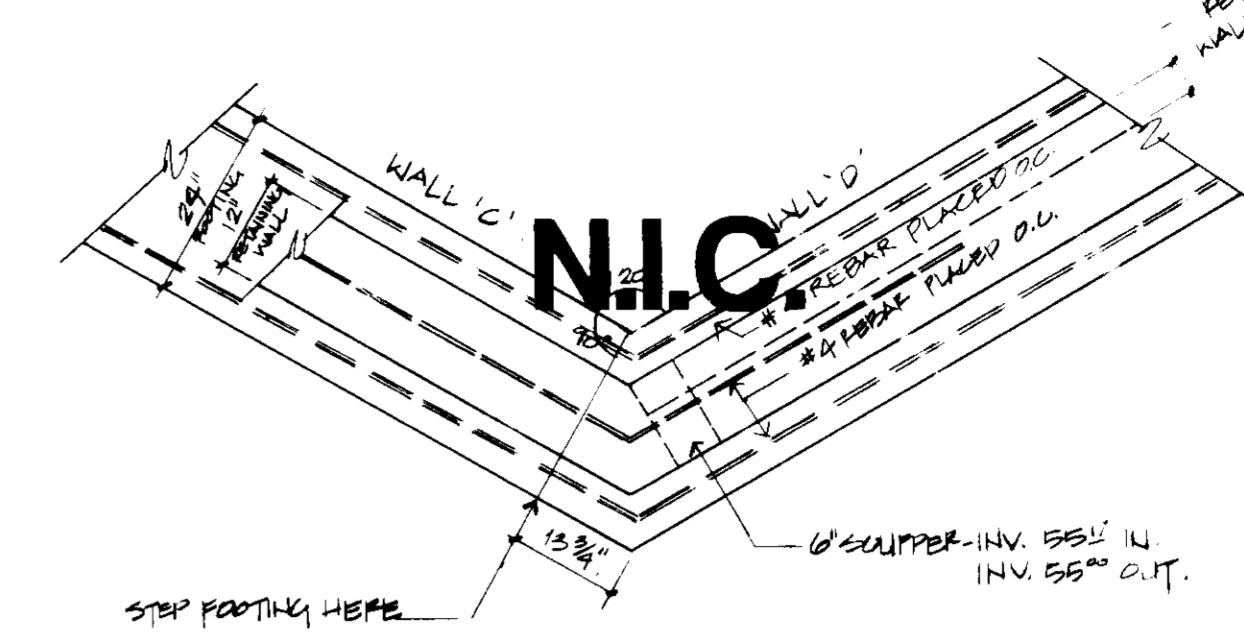
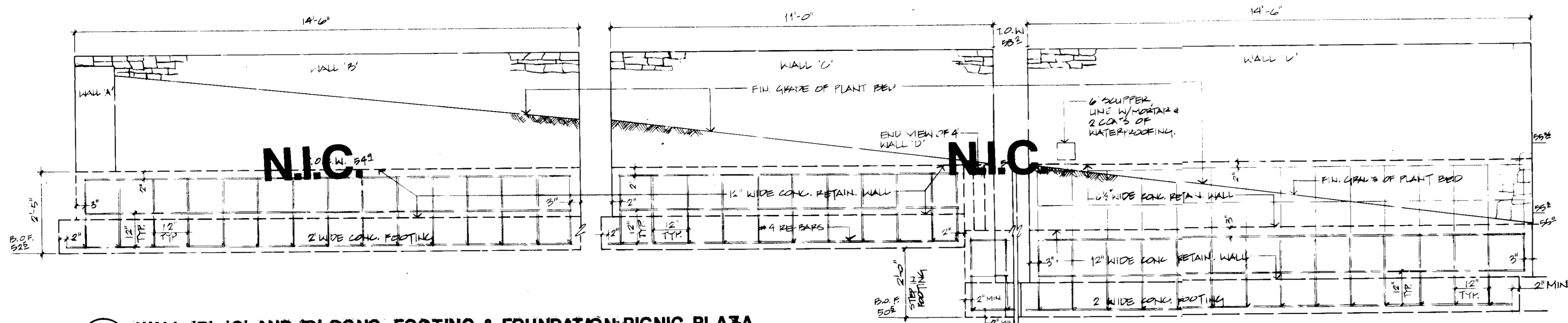
Owner: HOWARD COUNTY D.P.W.  
 3430 Court House Drive  
 Ellicott City, MD 21043 Phone (301) 992-2040

Hammond Community Park  
 Capital Project N-3024  
 Hammond Park  
 Murray Hill Plat Nos. 4991-4995, 4997, 5187, 5237-5239, 5301, 5302, and 5397  
 Hammond Middle/Elementary School  
 Liber 443, Folio 97  
 6th Election District

Title: PLAZA & PLAYGROUND DETAILS

Date: DECEMBER 20, 1999 Drawing Number: 4  
 Designer: B. KELLY Drafter: N. HILL  
 Scale: NOTED Checked by: VCL

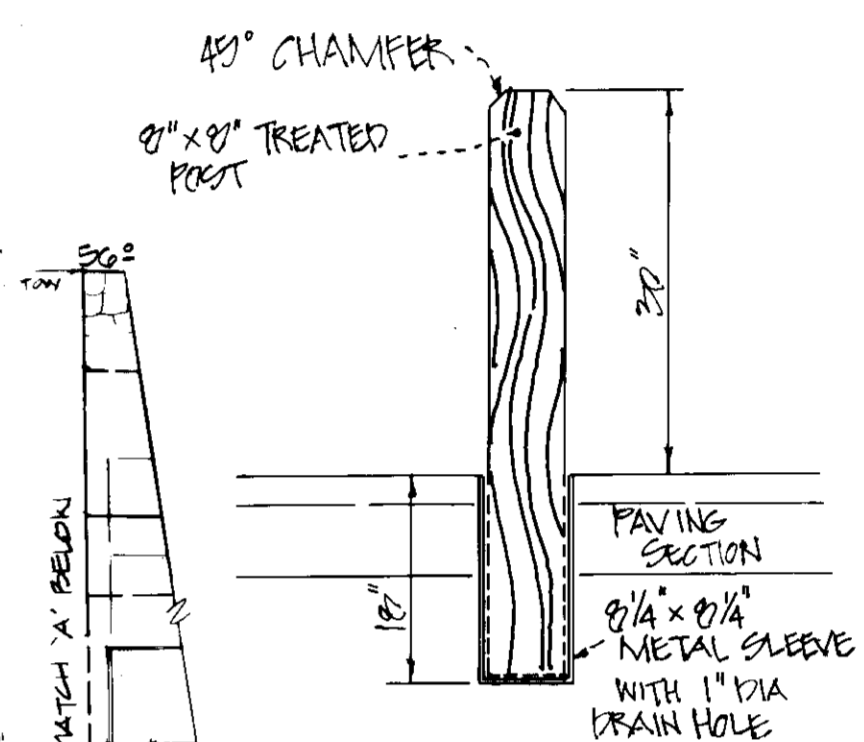
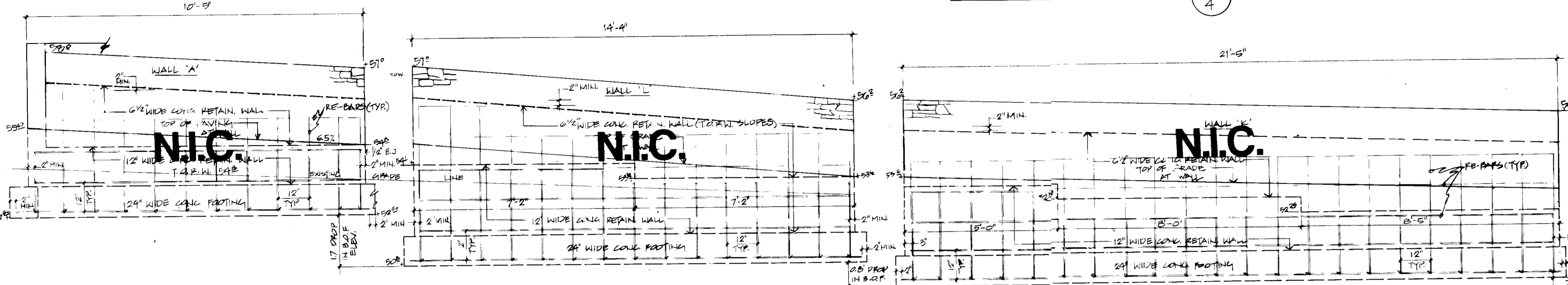
1602



1 WALL 'B', 'C' AND 'D' CONC. FOOTING & FOUNDATION-PICNIC PLAZA  
ELEVATION SCALE: 1/2" = 1'-0"

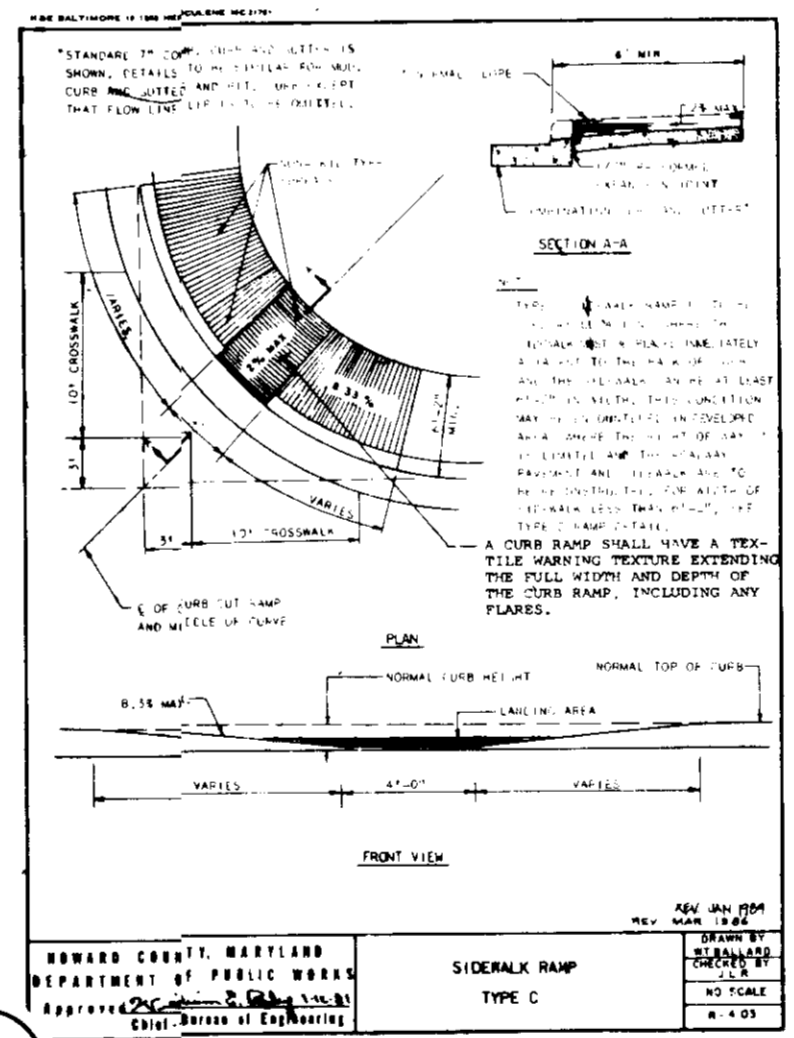
2 CONCRETE FOOTING & FOUNDATION WALL  
PLAN SCALE: 1/2" = 1'-0"

NOTE: FOR LOCATIONS OF THESE WALLS  
SEE PICNIC PLAZA PLANS

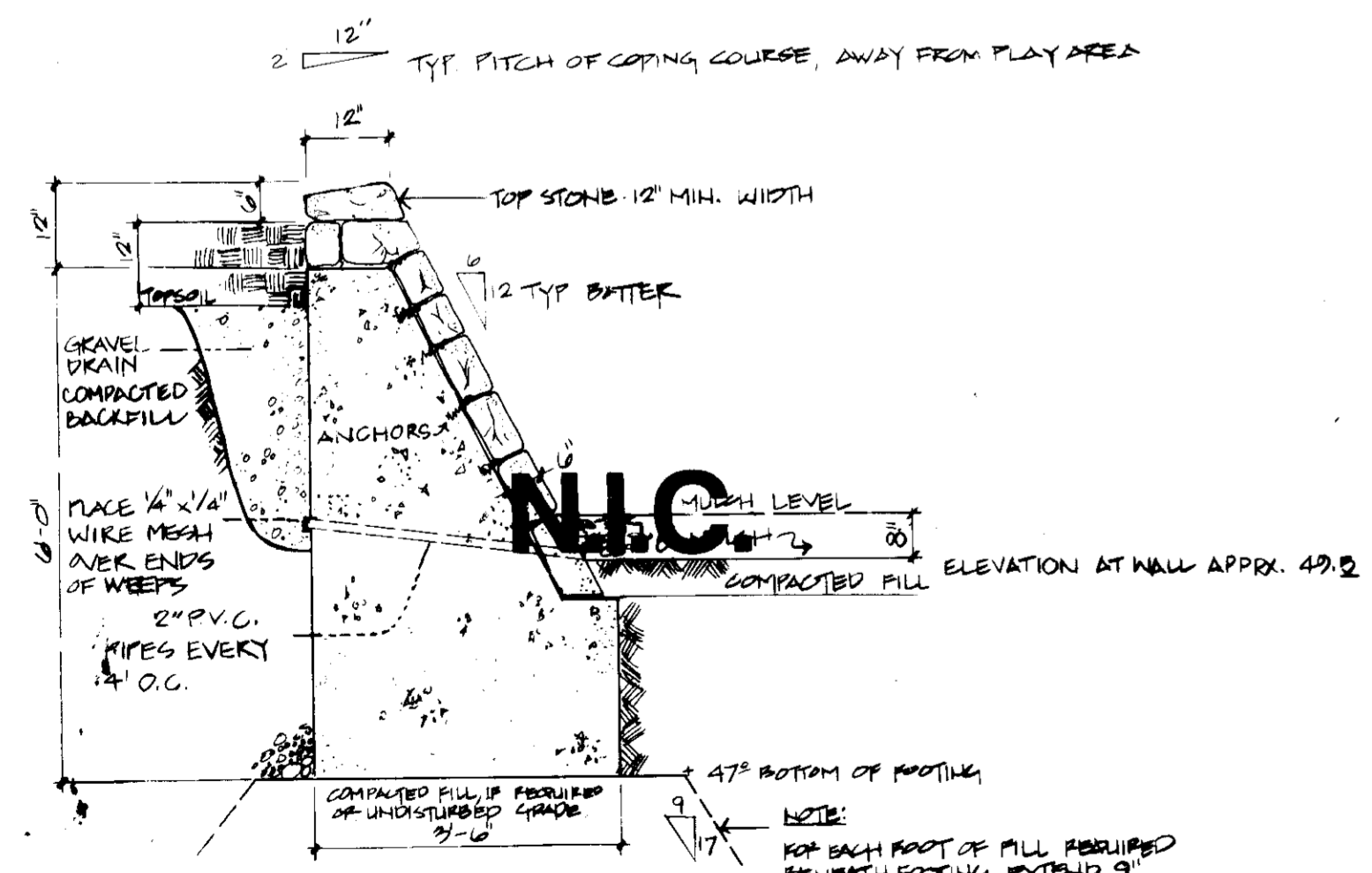


3 WALL 'A', 'L', 'K' AND 'J' CONC. FOOTING & FOUNDATION-PICNIC PLAZA  
ELEVATION SCALE: 1/2" = 1'-0"

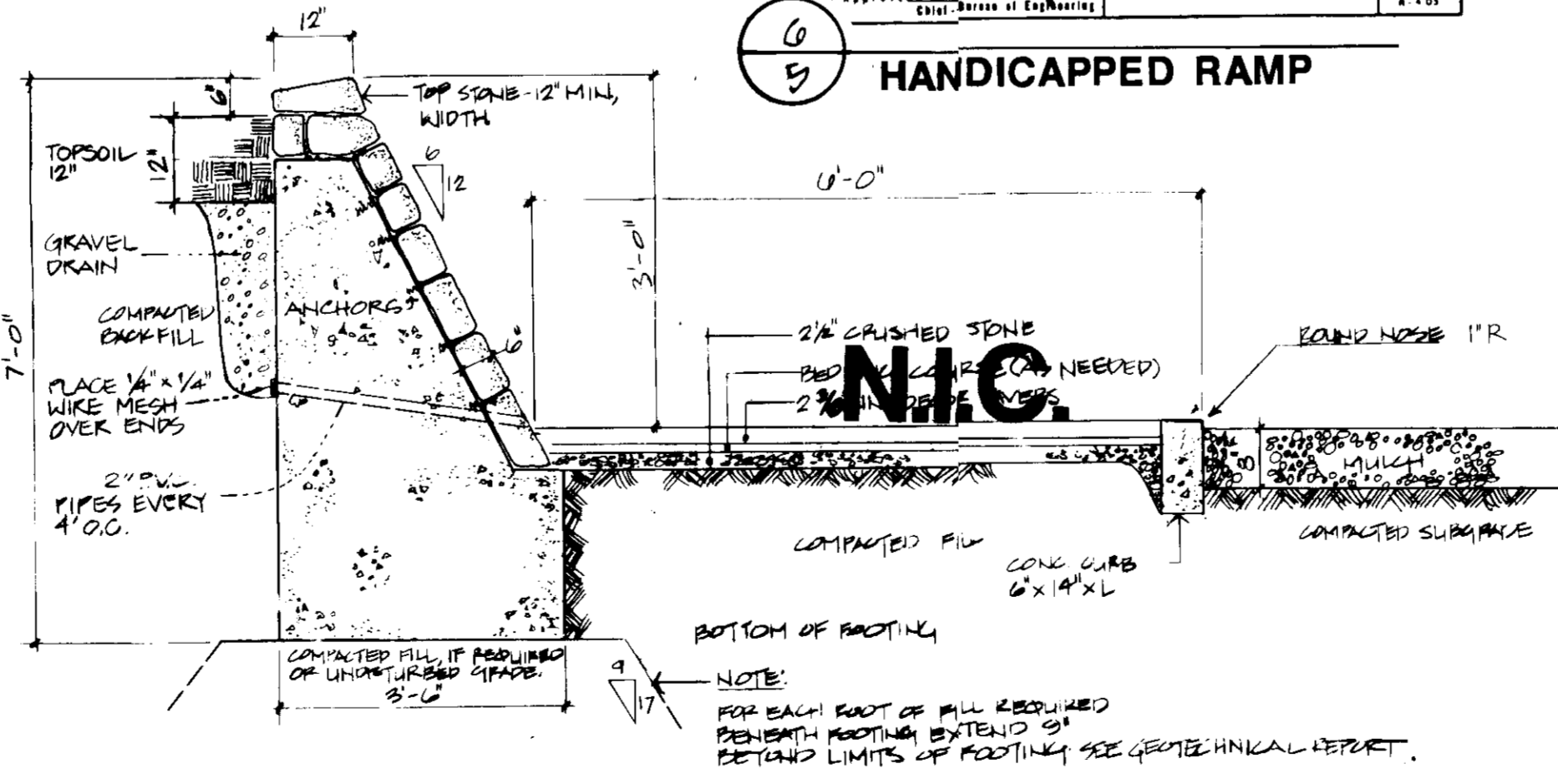
4 BOLLARD DETAIL



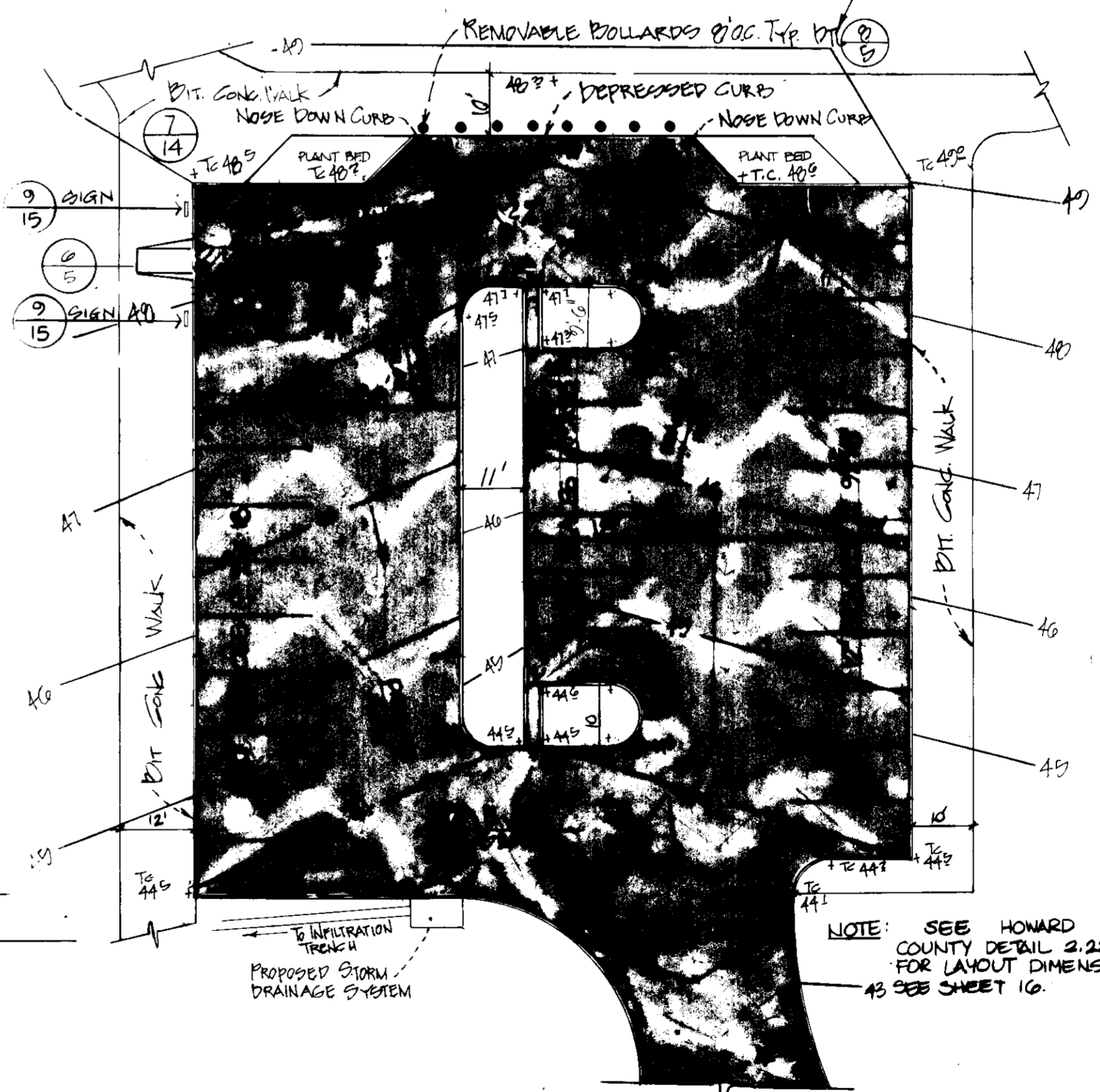
5 HANDICAPPED RAMP



4 PLAYGROUND WALL  
SECTION G-G, SHEET 4



5 PLAYGROUND WALL  
SECTION H-H, SHEET 5



7 PAVING DETAIL  
8' REGULAR & 2 HANDICAP STAGES

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Director: [Signature] 2/23/92  
Date

Chief, Bureau of Engineering: [Signature] 2/23/92  
Date

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

Chief Health Officer: [Signature] 2/23/92  
Date

APPROVED: HOWARD COUNTY  
DEPARTMENT OF PLANNING & ZONING

Planning Director: [Signature] 2/23/92  
Date

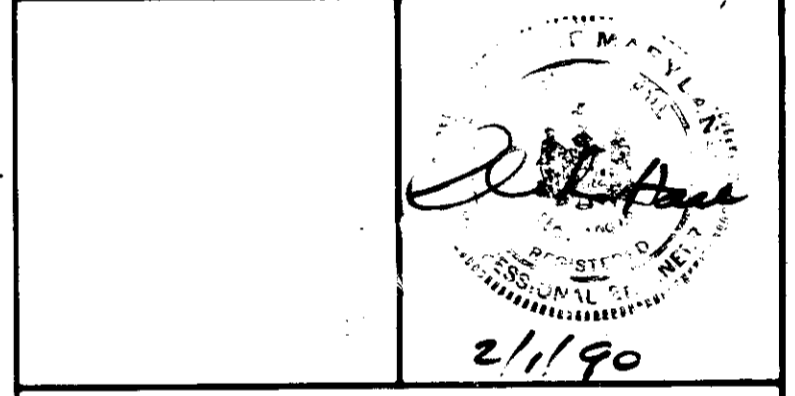
Chief, Division of Community Planning  
and Land Development: [Signature] 2/23/92  
Date

GENERAL NOTES

ALL REINFORCING BARS IN RETAINING WALLS SHALL BE #4 ASTM STANDARD REINFORCING BARS, UNLESS OTHERWISE NOTED. ALL BARS SHALL BE SET AT LEAST 1/2" FROM ANY EXPOSED SURFACE. ALL REINFORCING BARS SHALL BE PLACED AS SHOWN. B.O.F. = BOTTOM OF FOOTING T.O.W. = TOP OF WALL

REVISIONS

DATE	BY	DESCRIPTION



**Dewberry & Davis**  
Engineers Architects Planners Surveyors  
8201 Corporate Drive, Suite 220, Leesdale, MD 20785  
Tel: (301) 731-0373

Owner: HOWARD COUNTY D.P.W.  
3430 Court House Drive  
Ellicott City, MD 21043 Phone: (301) 992-2040

**Hammond Community Park**  
Capital Project N-3024

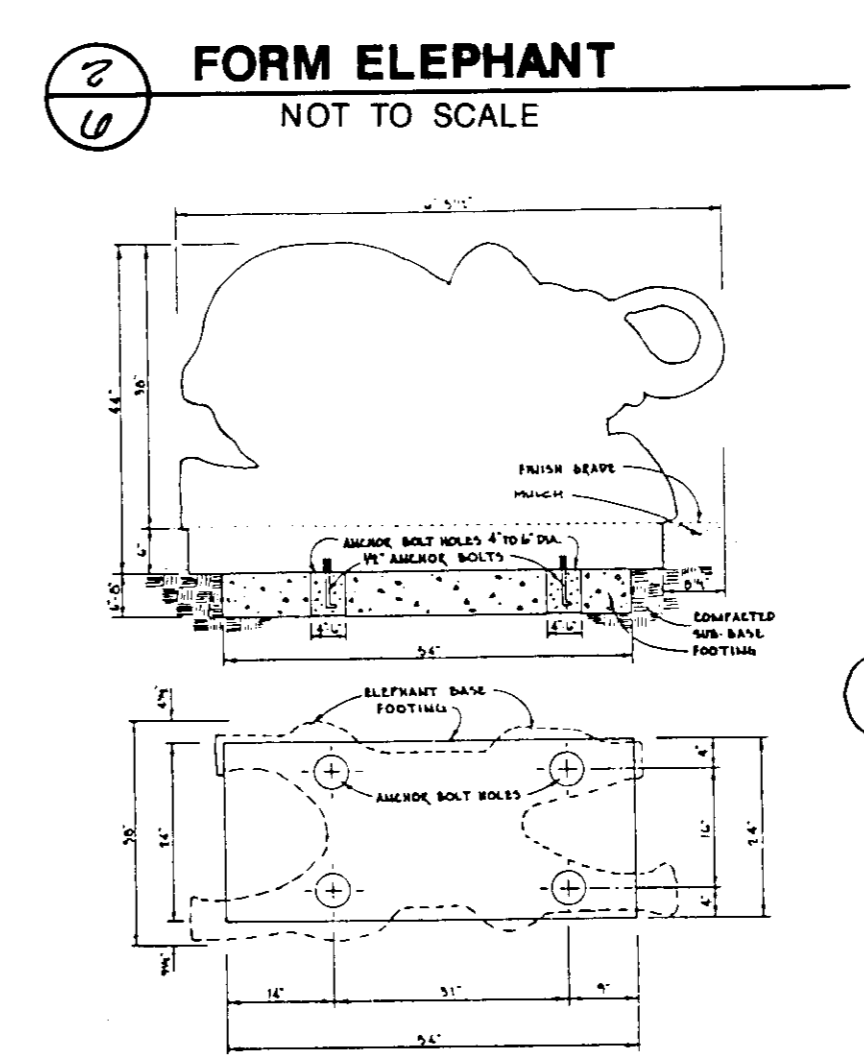
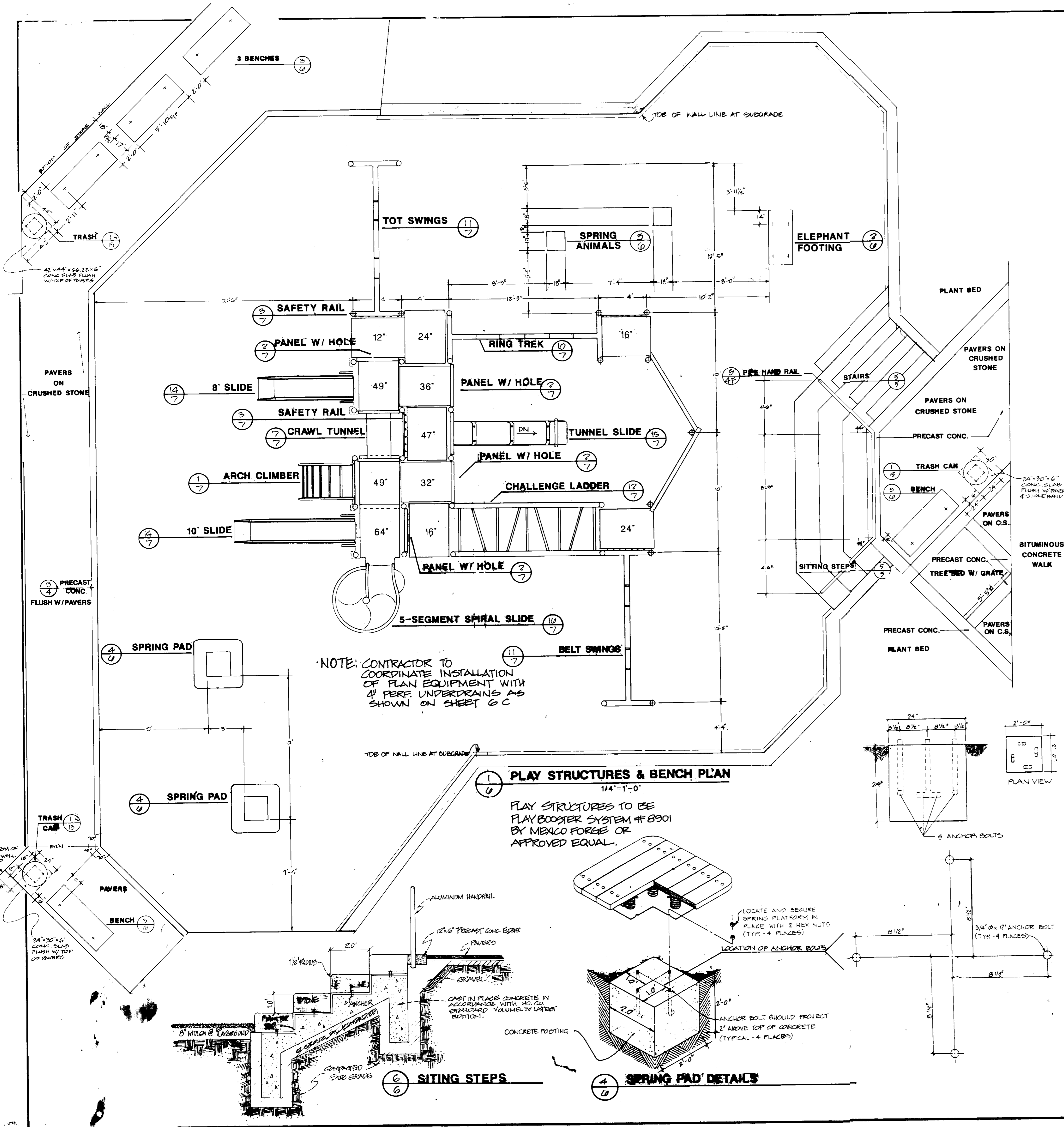
Hammond Park  
Murray Hill Plat No. 4991-4995, 4997, 5187,  
5213-5233, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

Title: **PLAZA & PLAYGROUND WALLS**

Date: DECEMBER 20, 1989 Drawing Number

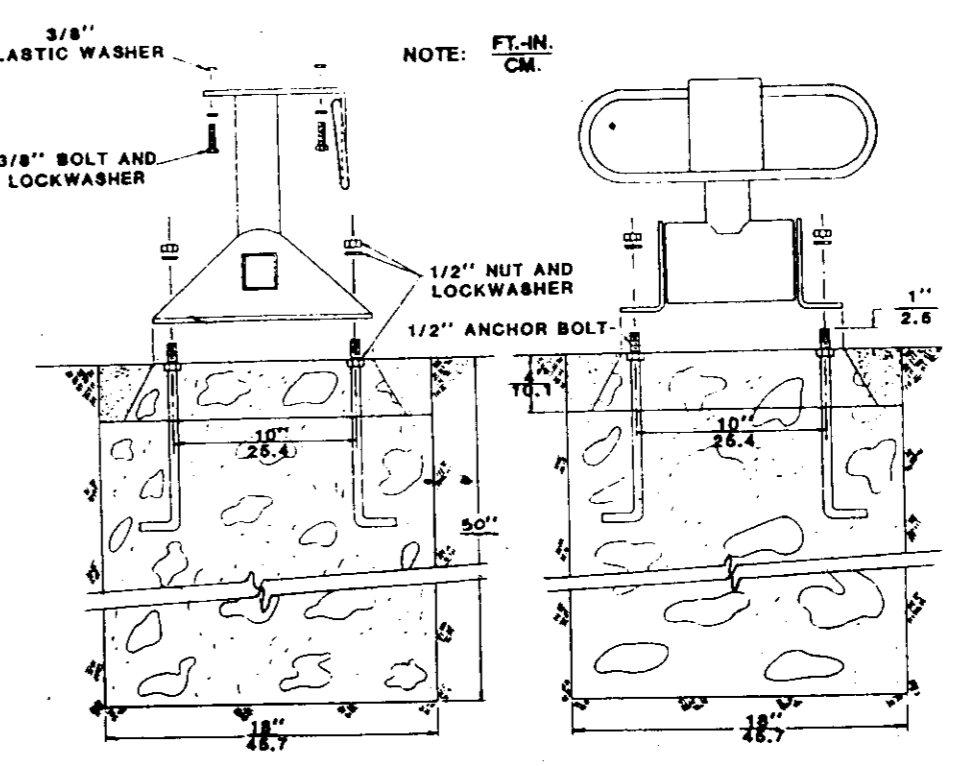
Designer: D. KELLY Drafter: N. HILL  
Scale: AS NOTED Checked by: [Signature]  
5

1602

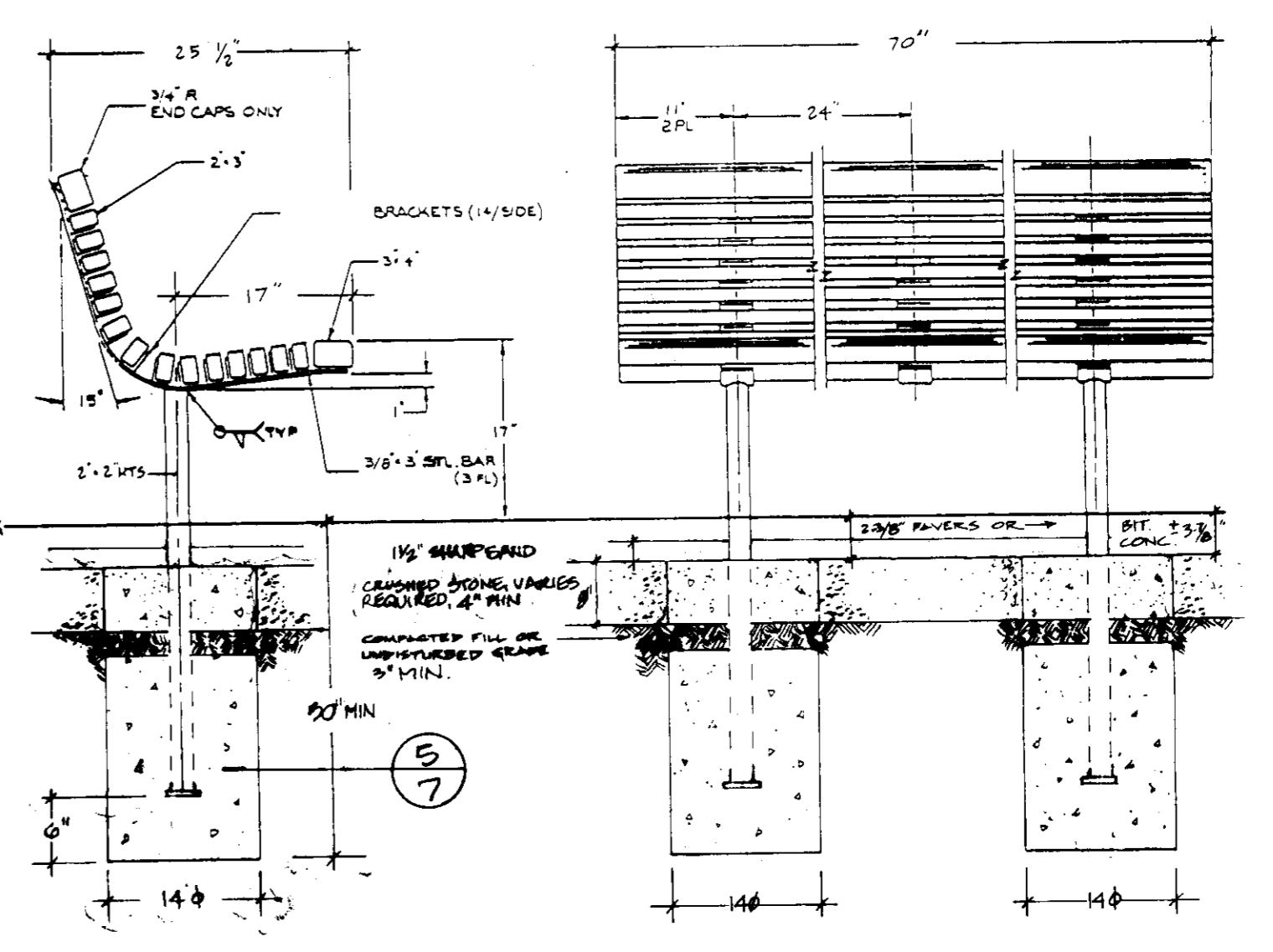


**SPECIFICATIONS**

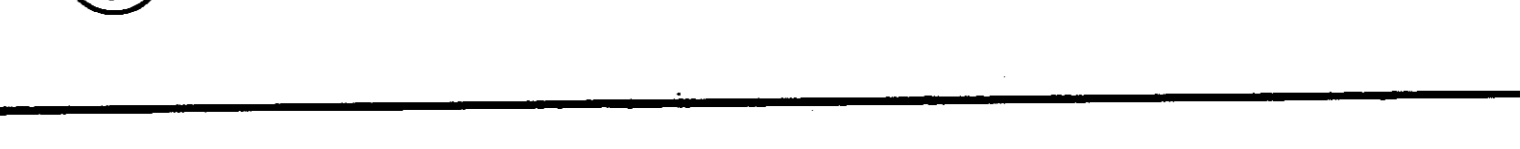
- I. GENERAL
  - A. MANUFACTURER'S QUALIFICATIONS AND EXPERIENCE: Manufacturer of this product to be prequalified by the specifying architect, and be defined as those businesses manufacturing and installing reinforced precast concrete elephant or approved equal. Product from said manufacturer to have five (5) years of proven field application - working and in good appearance.
  - B. ILLUSTRATIVE AND TECHNICAL DATA: Bidder to submit complete illustrative and technical data on product dimension, materials, concrete strength reports, installation procedures and delivery methods. Failure to furnish such data prior to accepted proposal will void the bid.
  - C. SPECIFICATION FOR PRECAST CONCRETE ELEPHANT
    - A. SCOPE: Furnish all labor, equipment and material and perform all operations in connection with the manufacture and/or installation of elephant all in strict compliance with these specifications.
    - B. MATERIALS AND FABRICATION
      - 1. Quality of Concrete:
        - a. Air entrainment of concrete to be 4-6%.
        - b. Cured concrete shall attain minimum compressive strength of 4,000 p.s.i. at 28 days when tested on 6" x 12" cylinder according to ASTM - Designation 39-45.
  - D. REINFORCING AND ANCHERING:
    - a. Reinforcing to be designed and engineered for maximum structural support and connected to all anchoring devices.
  - E. PRODUCT APPEARANCE AND WEIGHT:
    - 1. Sculptured configuration to meet tolerances within 1/4" of all specified dimensions as per sec. 1-8.
    - 2. Surface finish of formed surface to be smooth and free of all abrasions and scaled as per manufacturer's field proven recommendations and installation.
    - 3. Weight of the Form Elephant shall be approx. 2500 lbs.
  - F. INSTALLATION
    - 1. Footings (By Others):
      - a. To be installed at location of anchoring recesses as per requirements of sec. 1-8.
      - 2. Delivery:
        - a. Manufacturer shall provide equipment for delivery and unloading at the jobsite location.



**5 6 SPRING ANIMAL DETAIL**

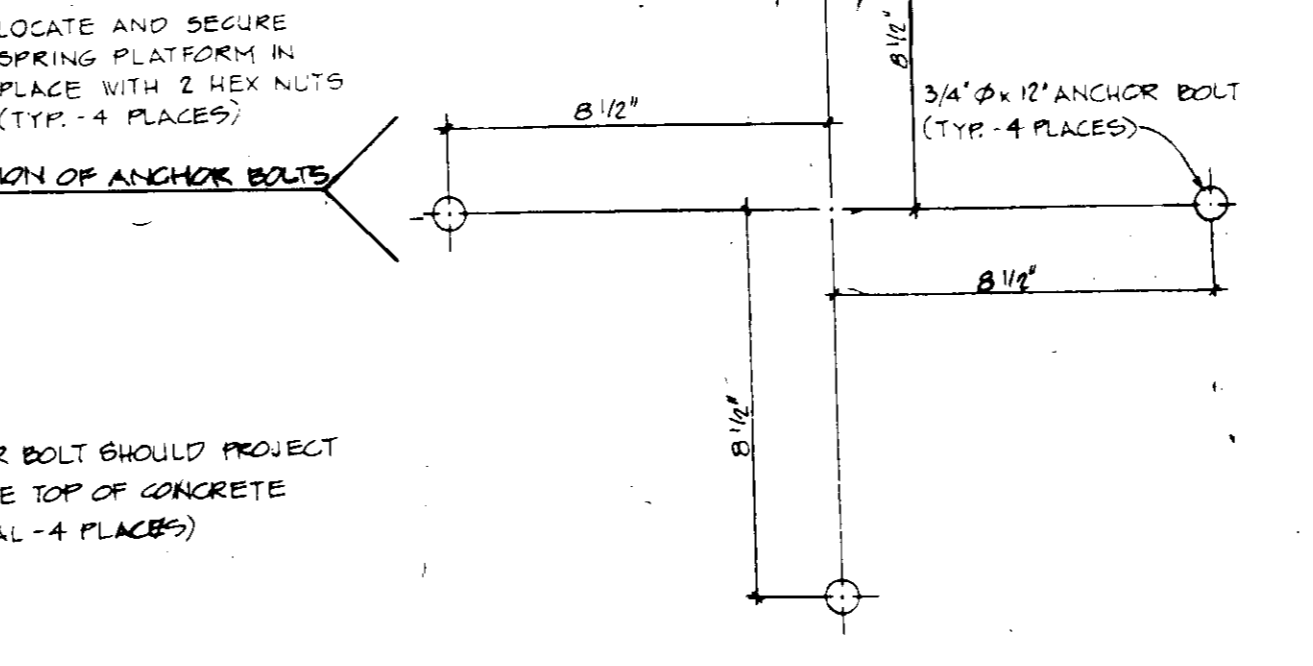
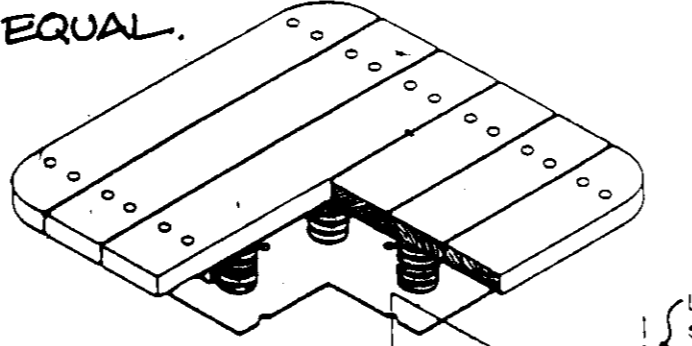


**3 4 BENCH DETAILS**

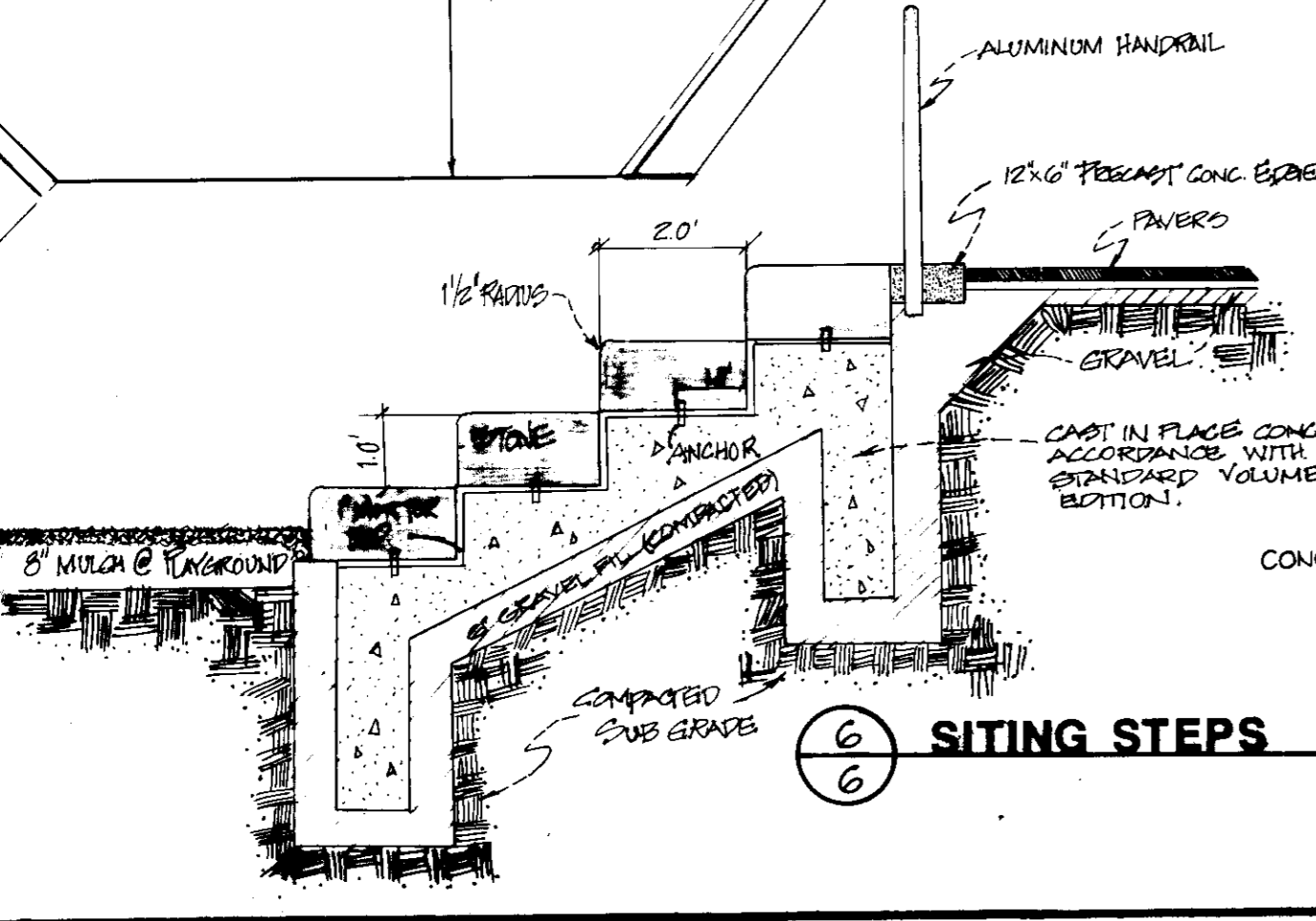


**1 0 PLAY STRUCTURES & BENCH PLAN**  
14' x 1'-0"

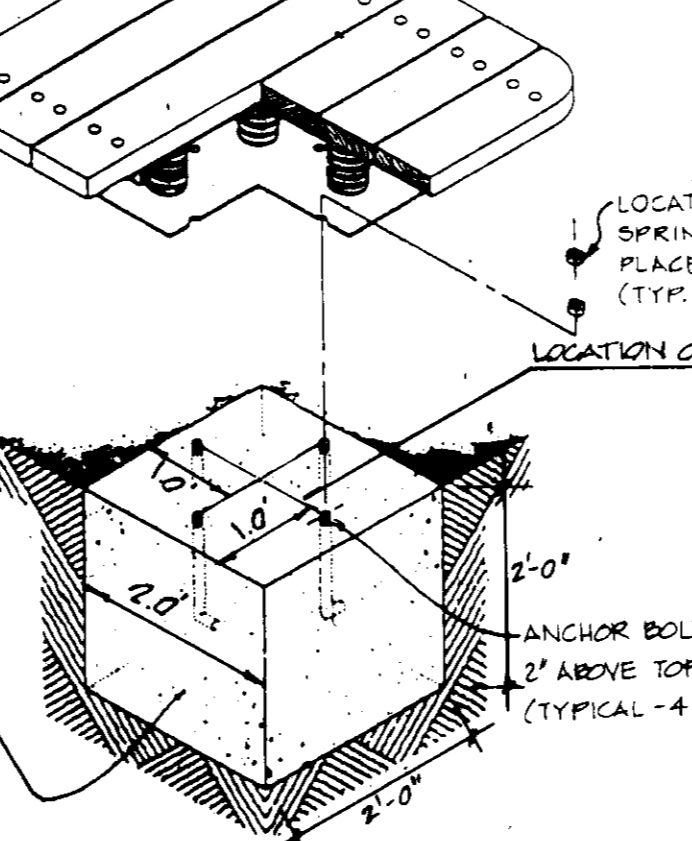
PLAY STRUCTURES TO BE PLAY BOOSTER SYSTEM # 8901 BY MEXICO FORGE OR APPROVED EQUAL.



**6 6 SITING STEPS**



**4 6 SPRING PAD DETAILS**



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Director: *[Signature]* Date: 2-23-90  
Chief, Bureau of Engineering: *[Signature]* Date: 2-7-90

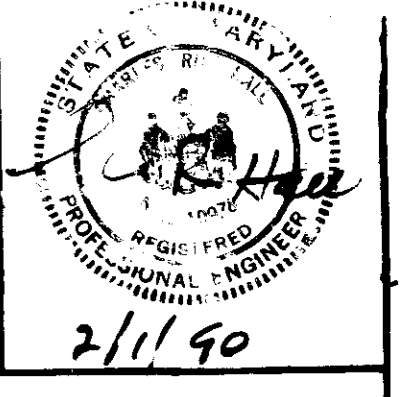
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

County Health Officer: *[Signature]* Date: *[Signature]*

APPROVED: HOWARD COUNTY  
DEPARTMENT OF PLANNING & ZONING

Planning Director: *[Signature]* Date: 2-27-90  
Chief, Division of Community Planning and Land Development: *[Signature]* Date: *[Signature]*

REVISIONS		
DATE	BY	DESCRIPTION
1/1/90	GME	REVISE BENCH WALLS & STAIRS APP.



**Dewberry & Davis**  
Engineers Architects Planners Surveyors  
2884 Riva Road, Annapolis, MD 21403  
(301) 841-6811

OWNER:  
HOWARD COUNTY D.P.W.  
3430 Court House Drive  
Ellicott City, MD 21043 Phone (301) 992-2040

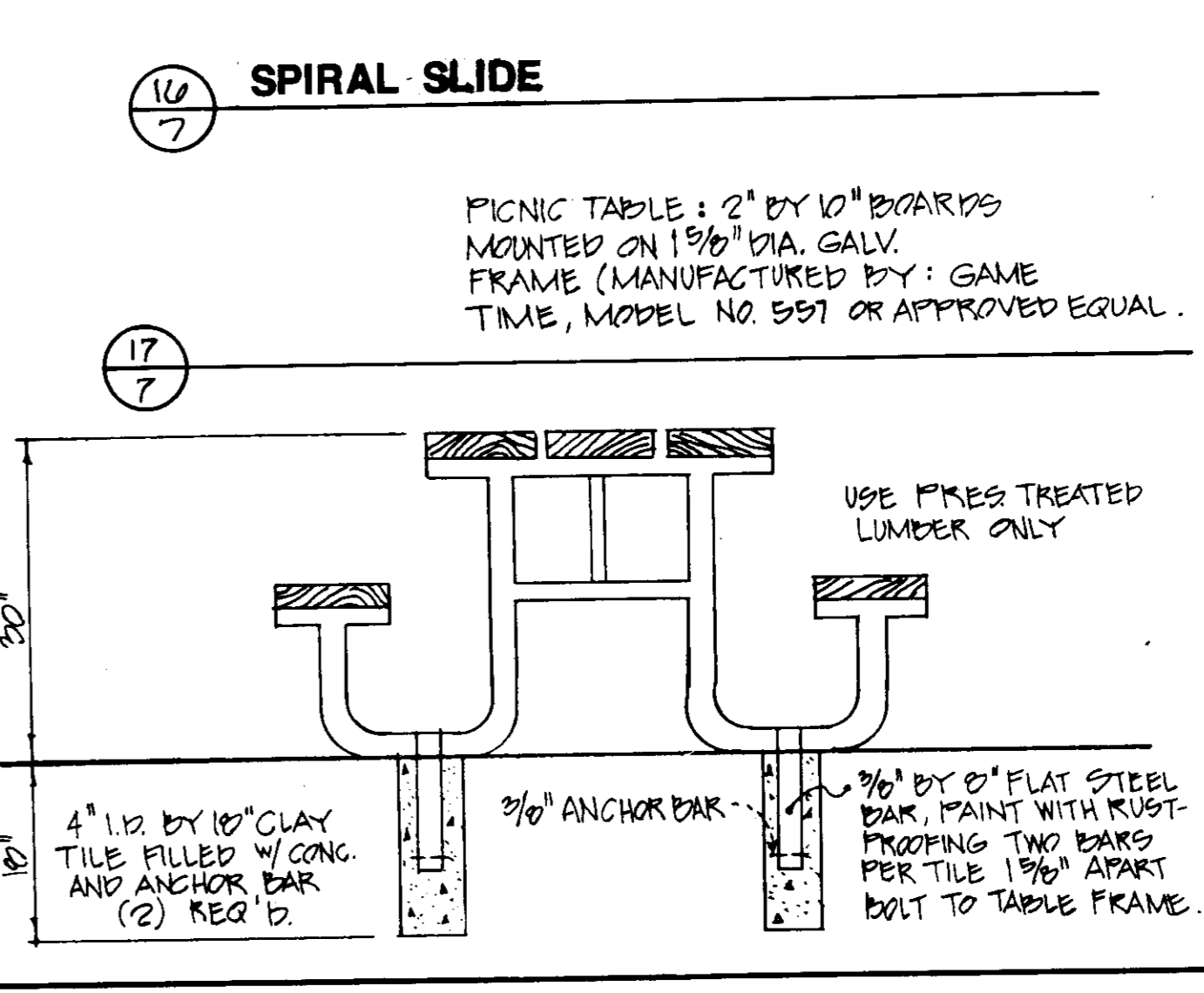
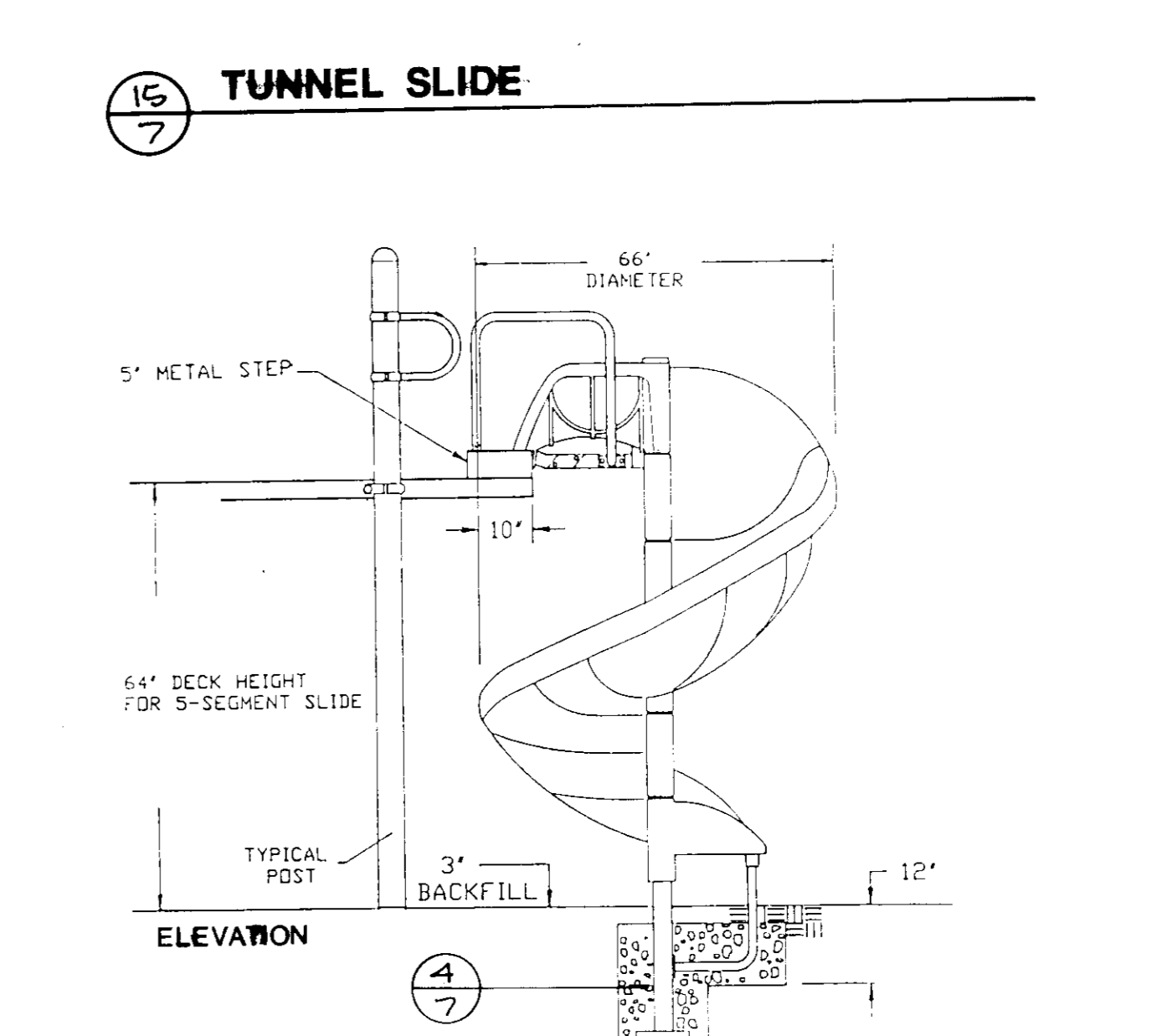
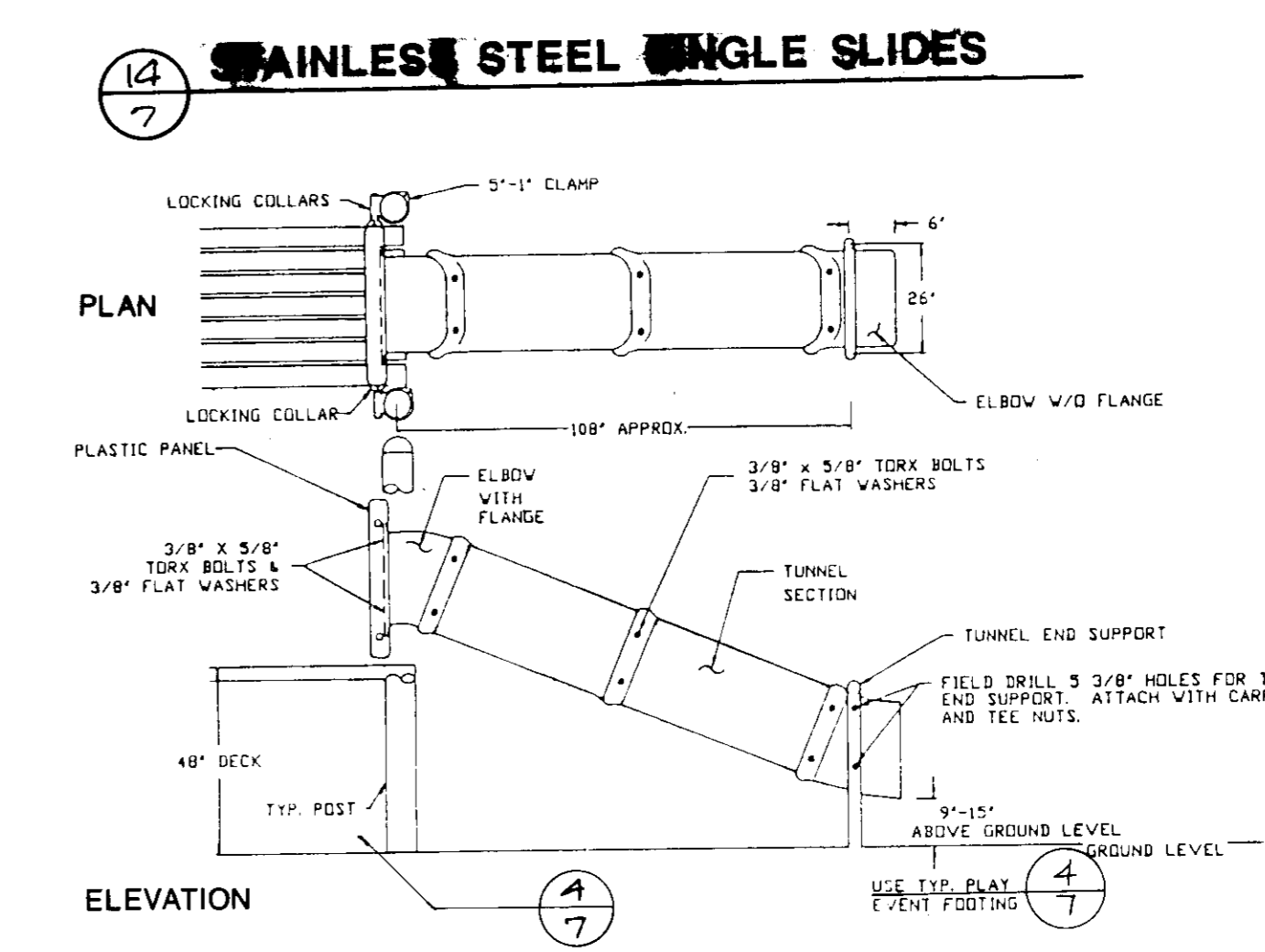
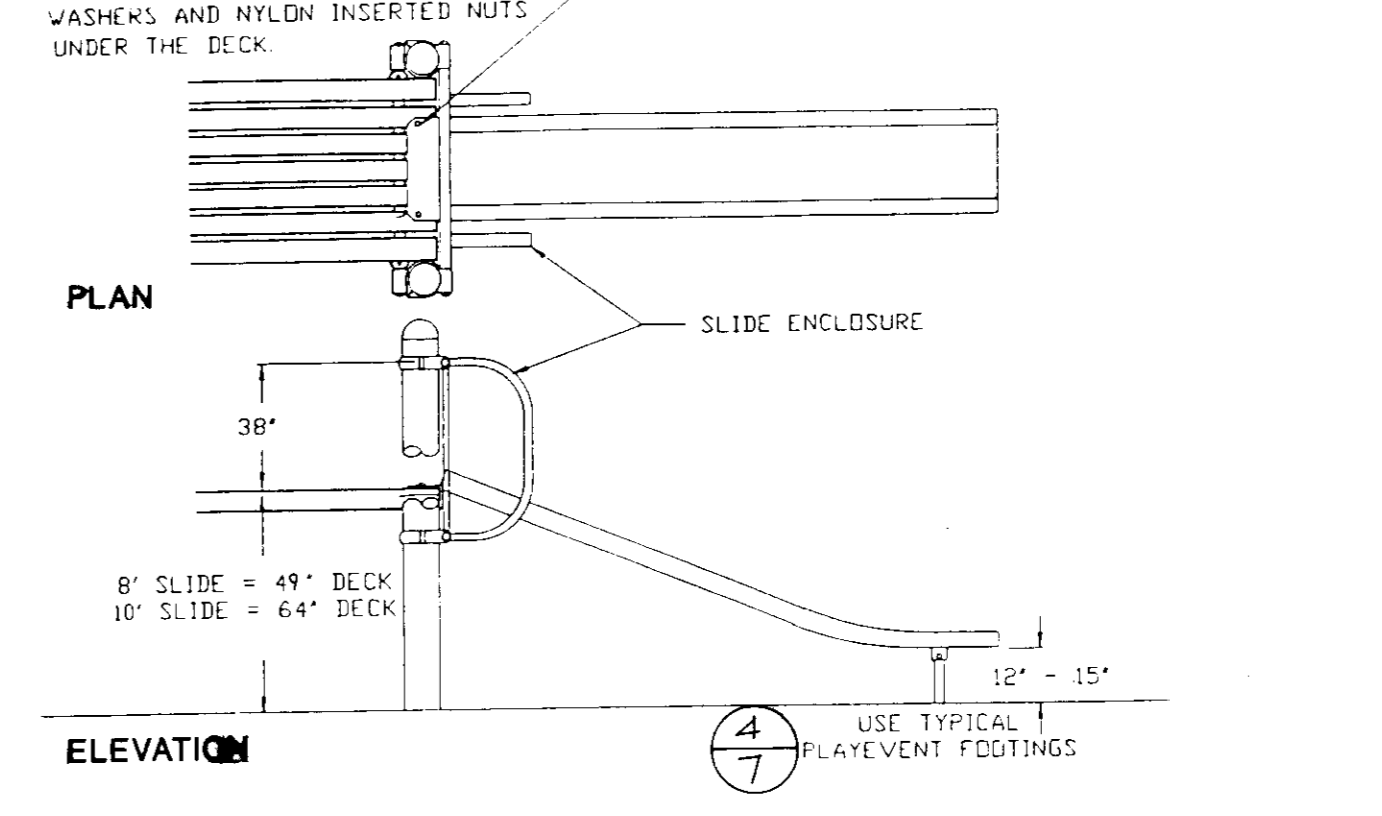
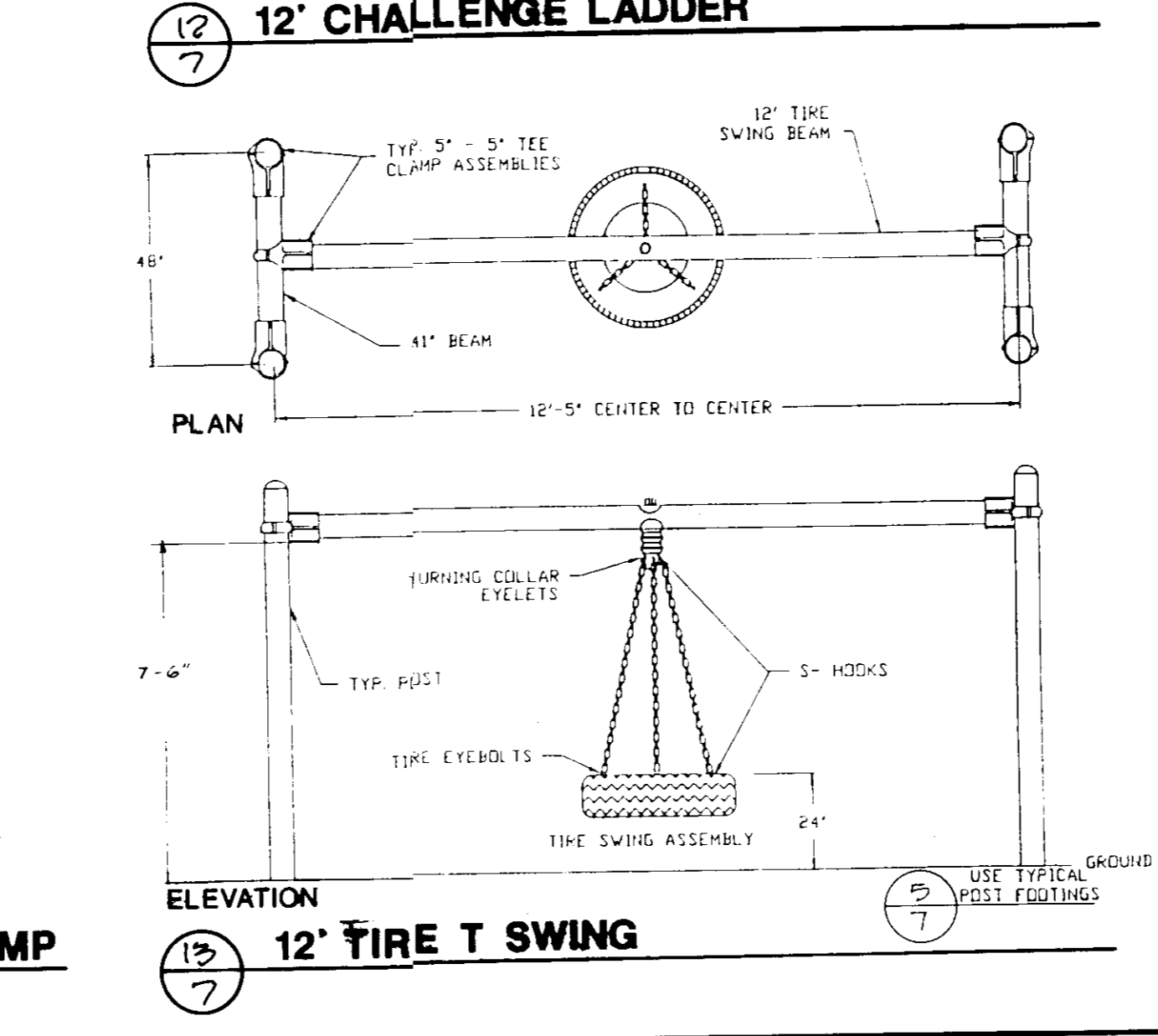
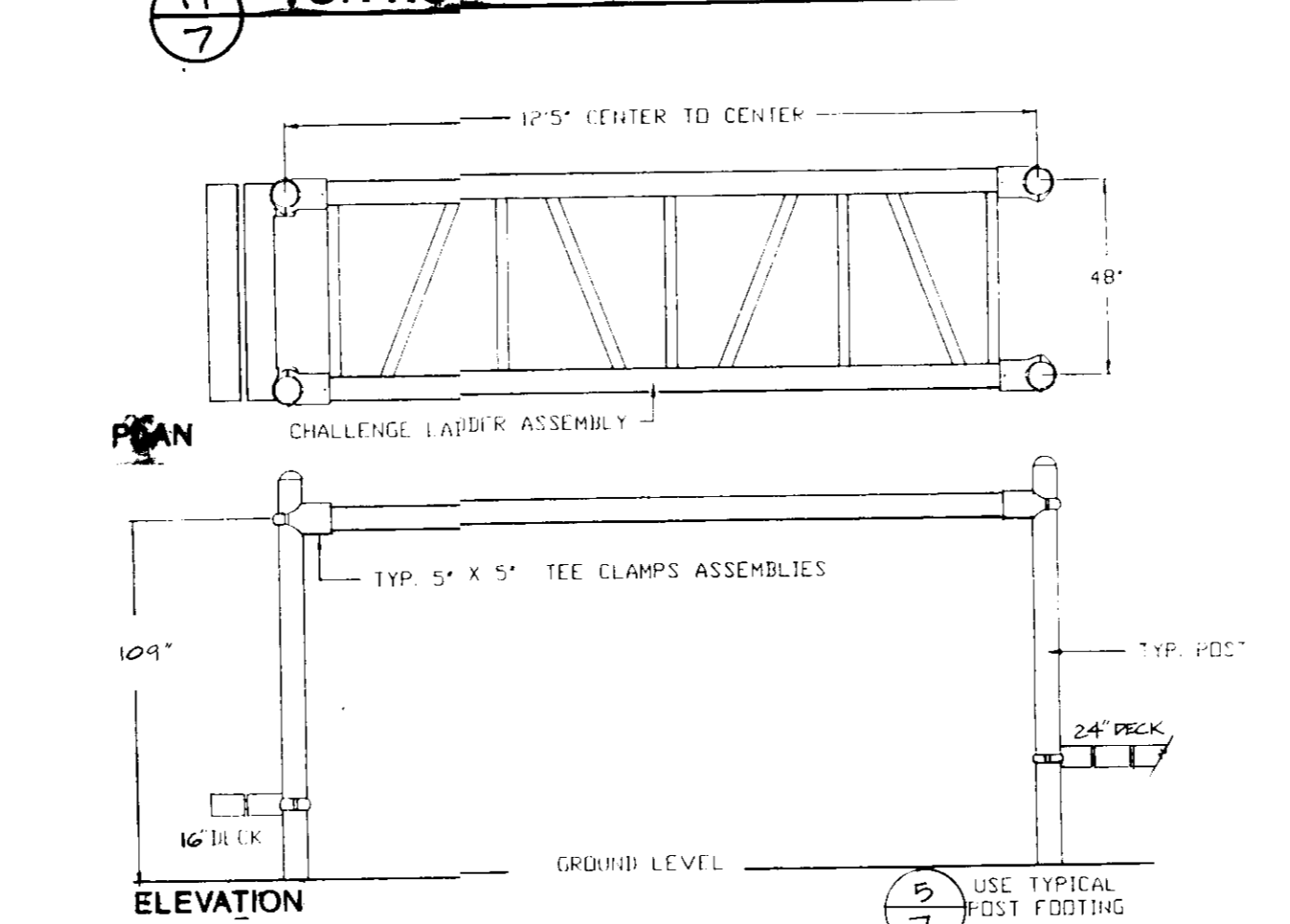
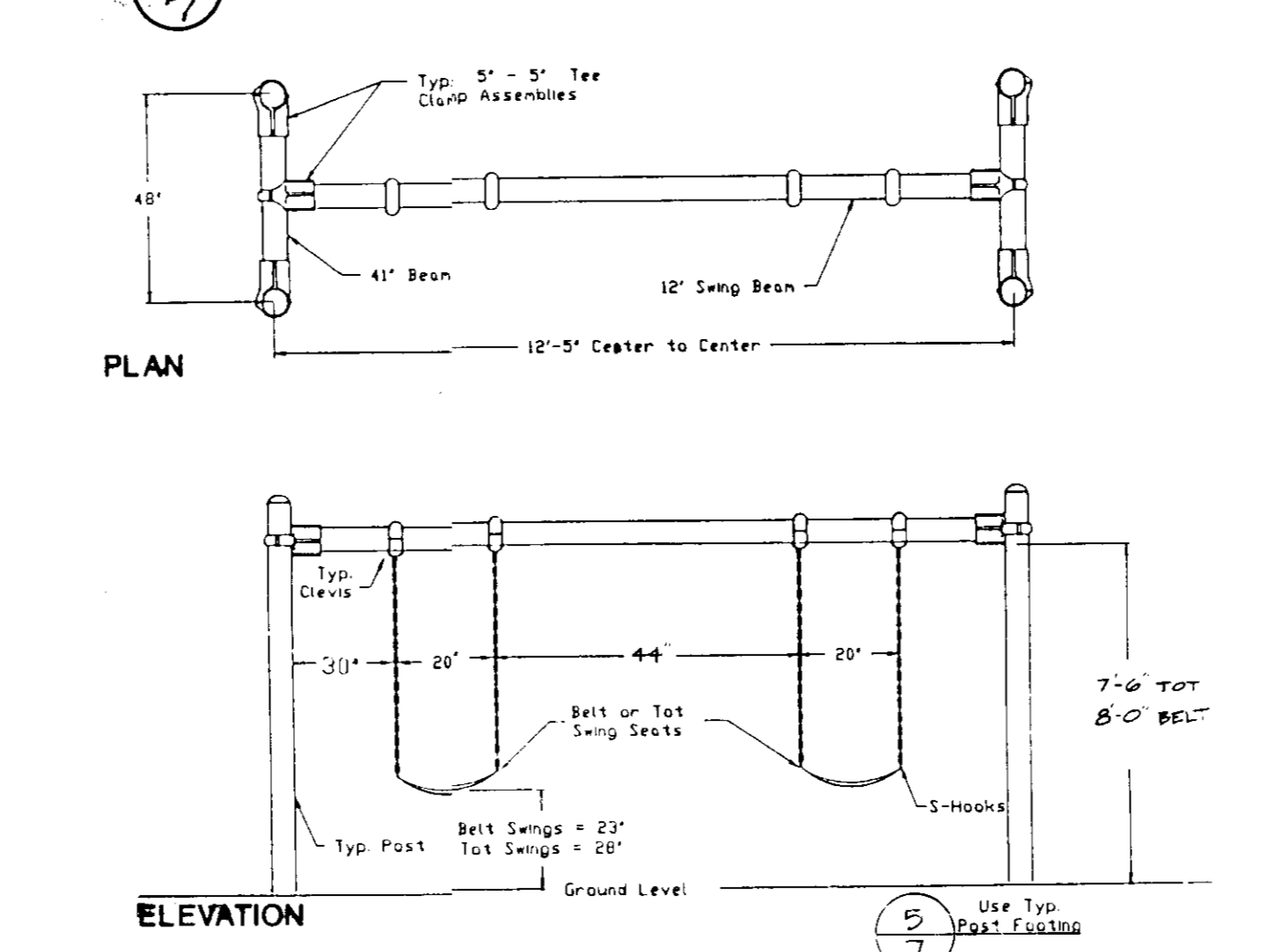
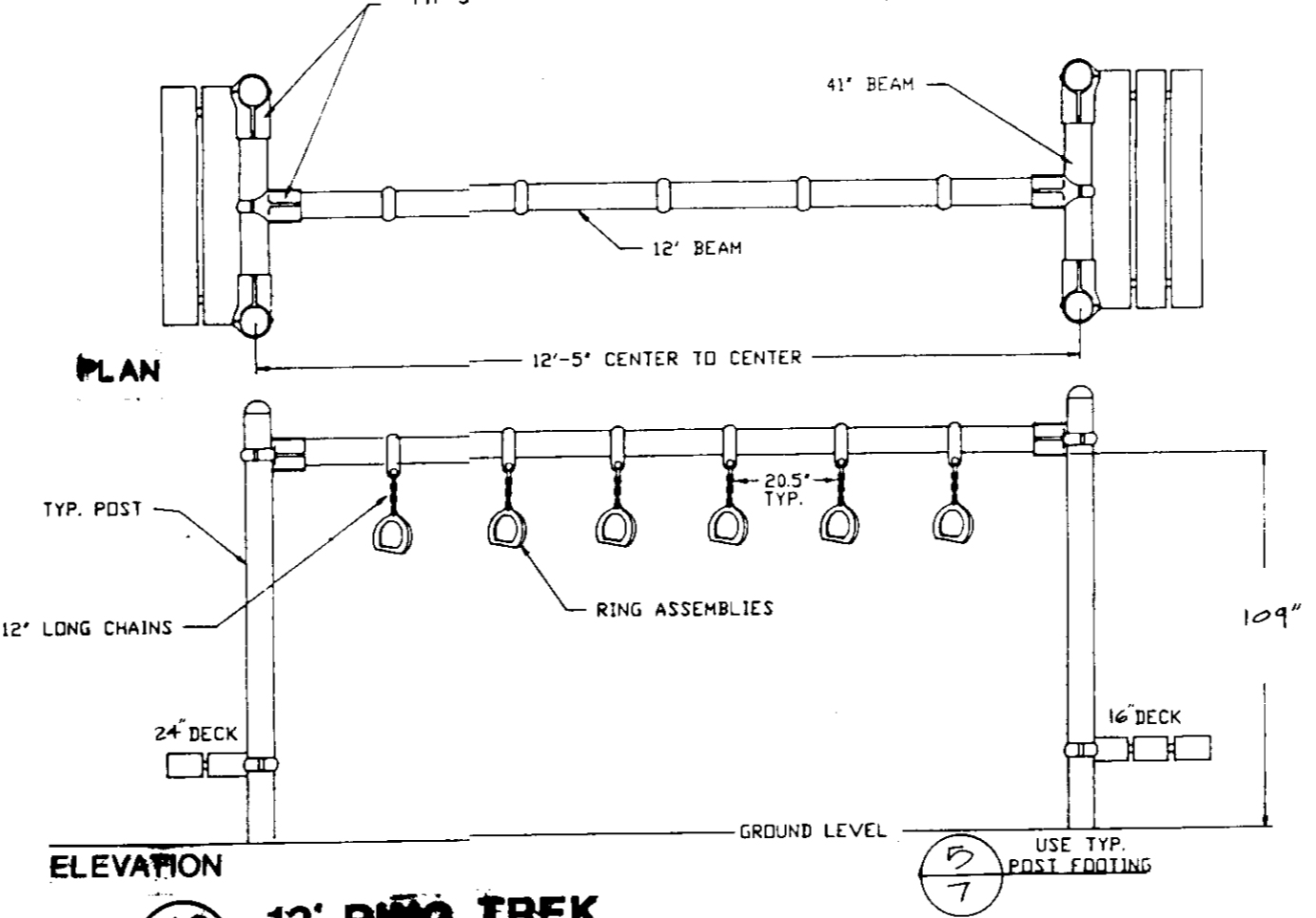
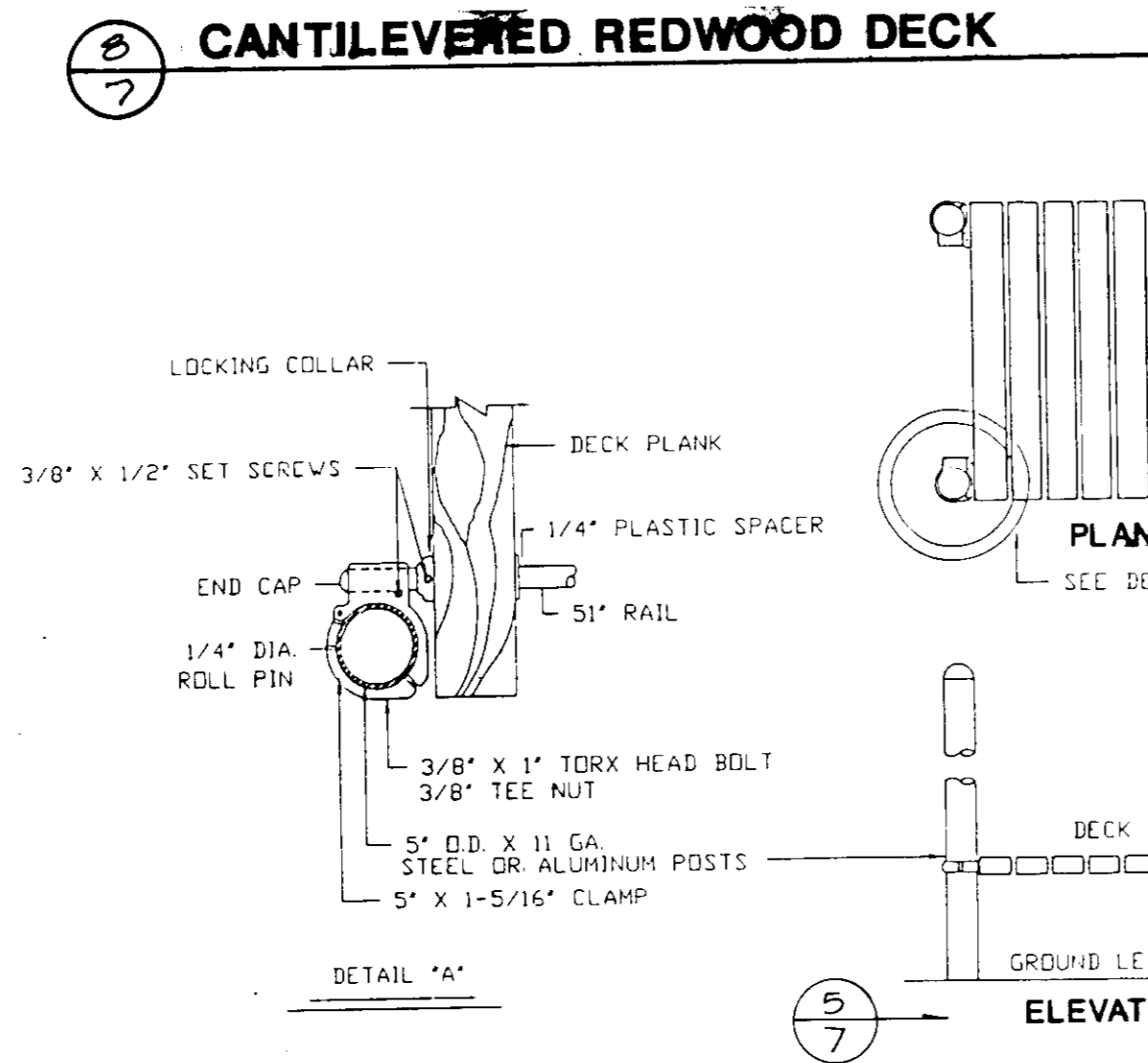
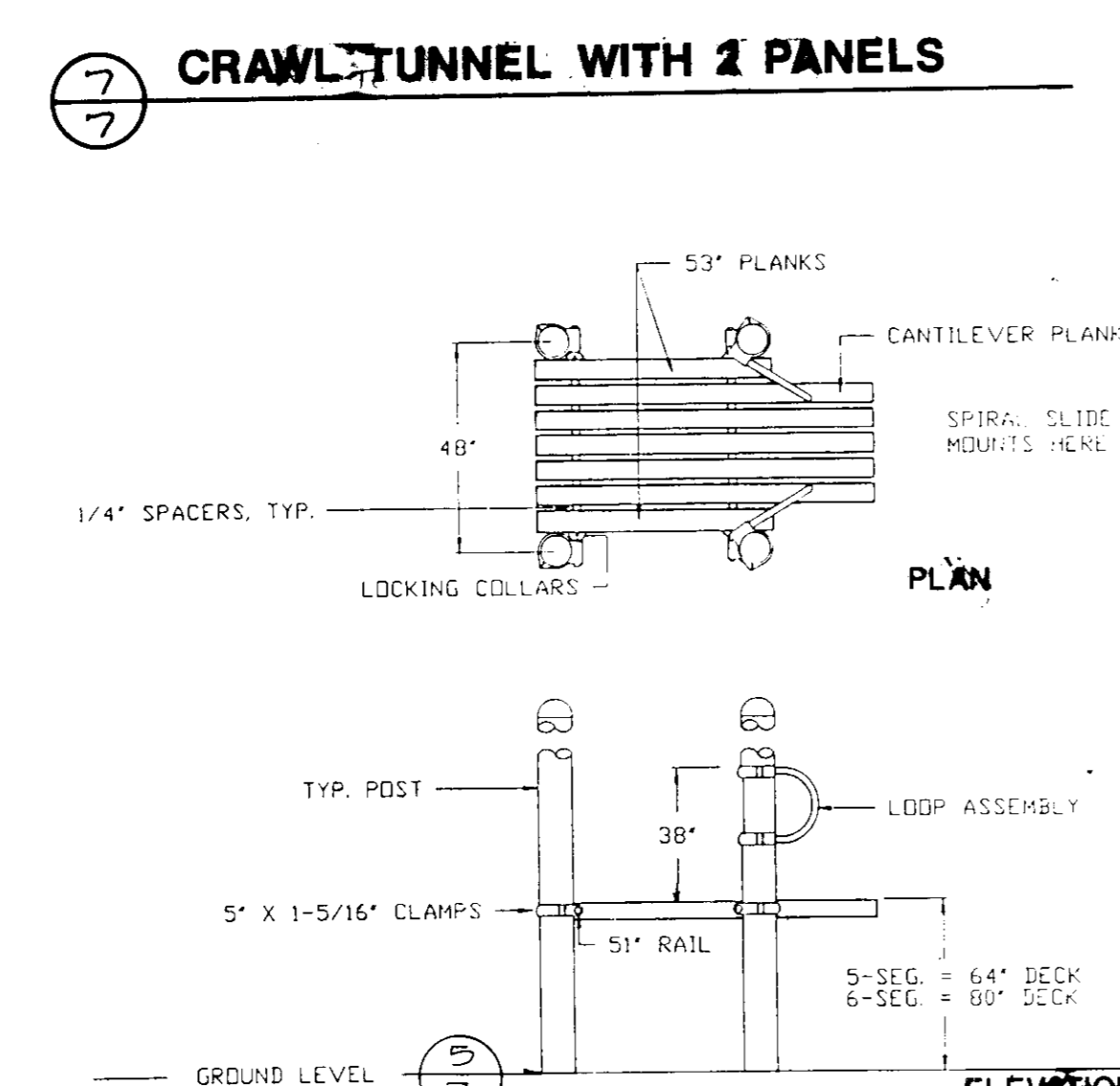
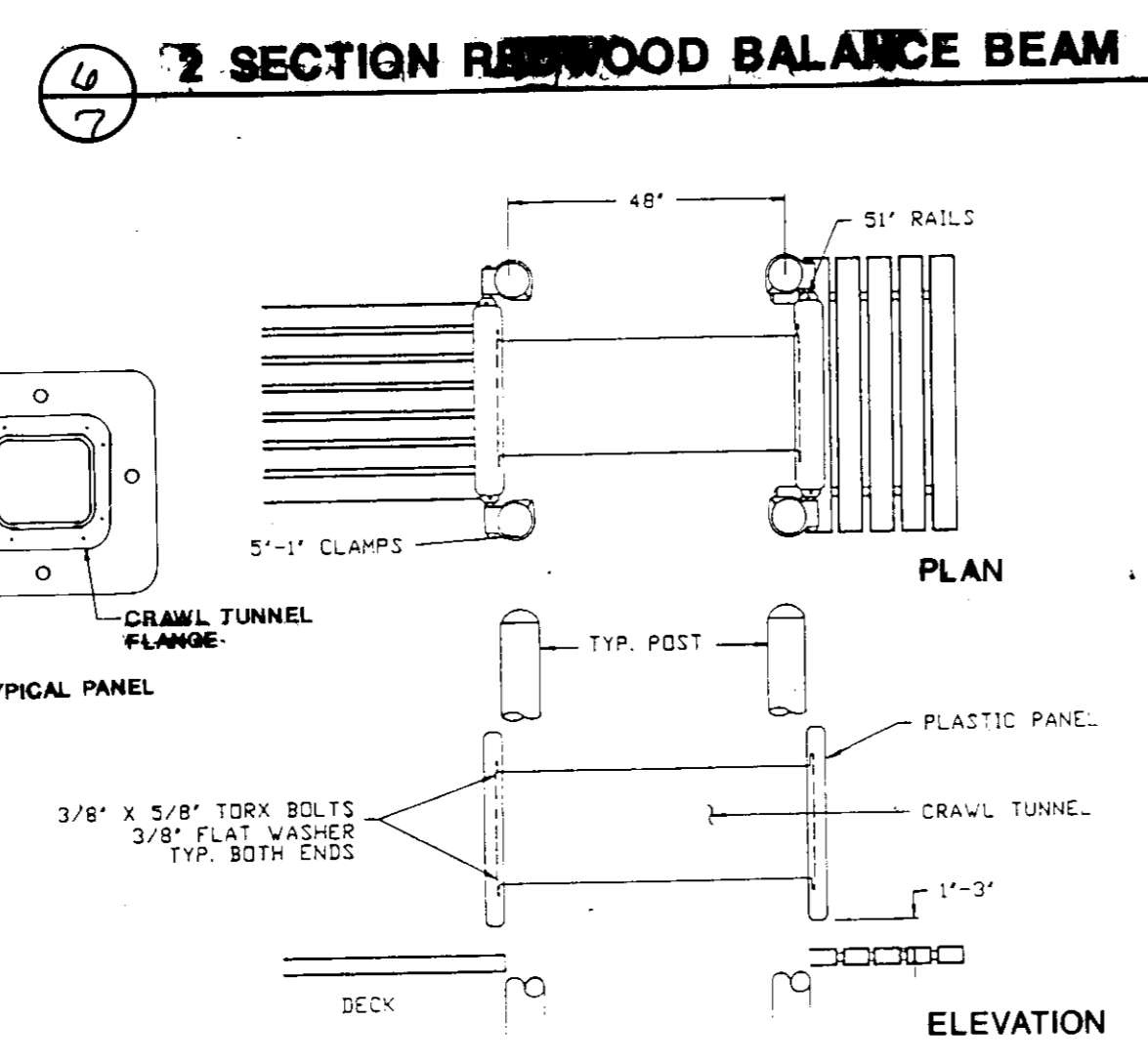
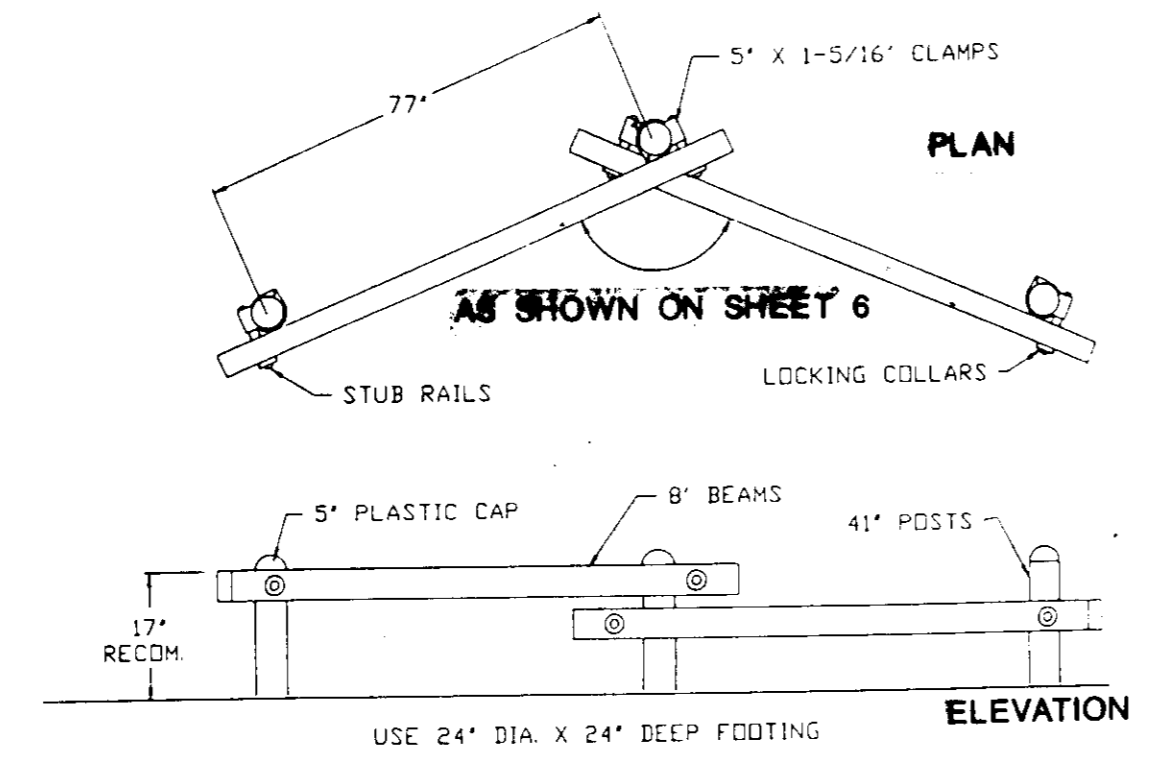
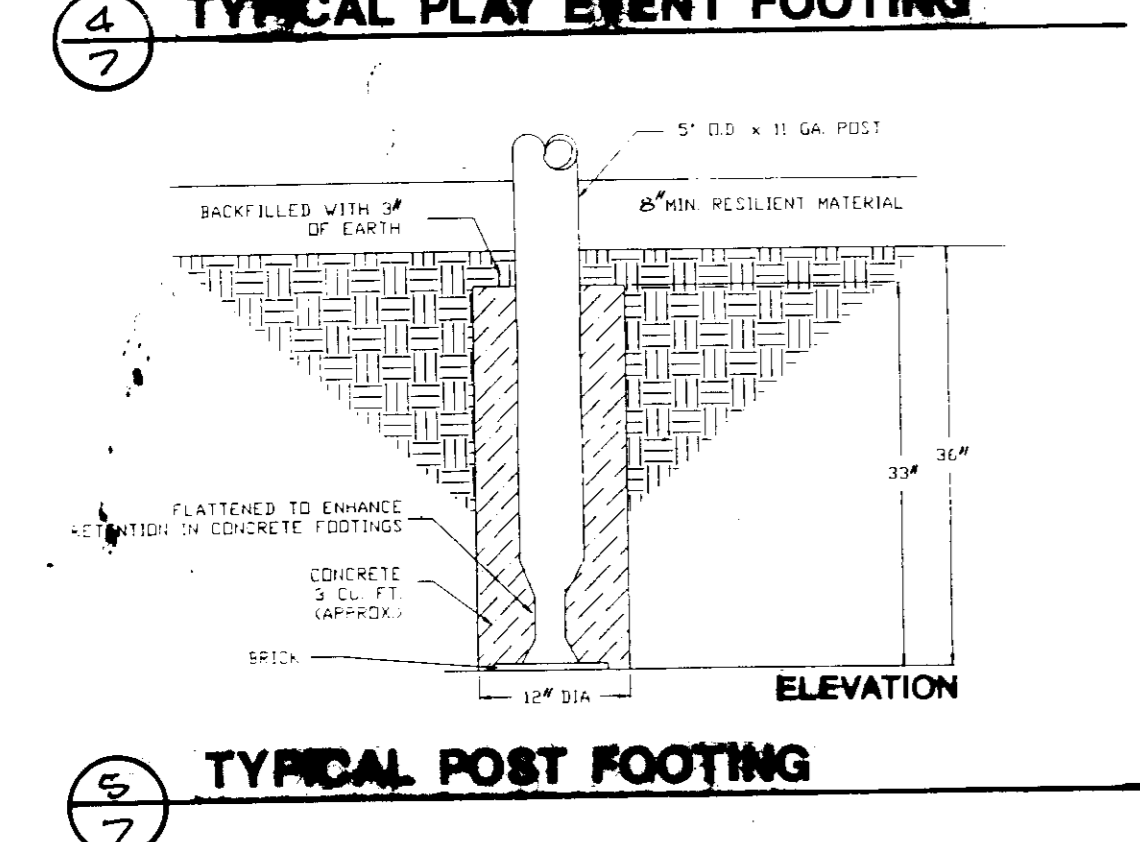
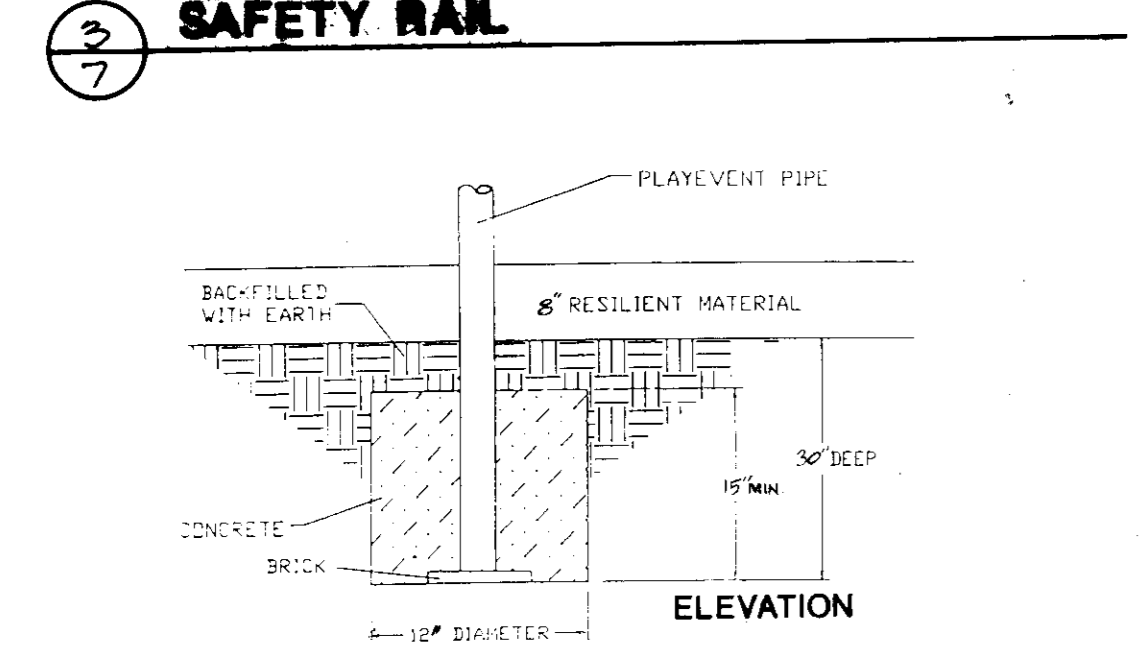
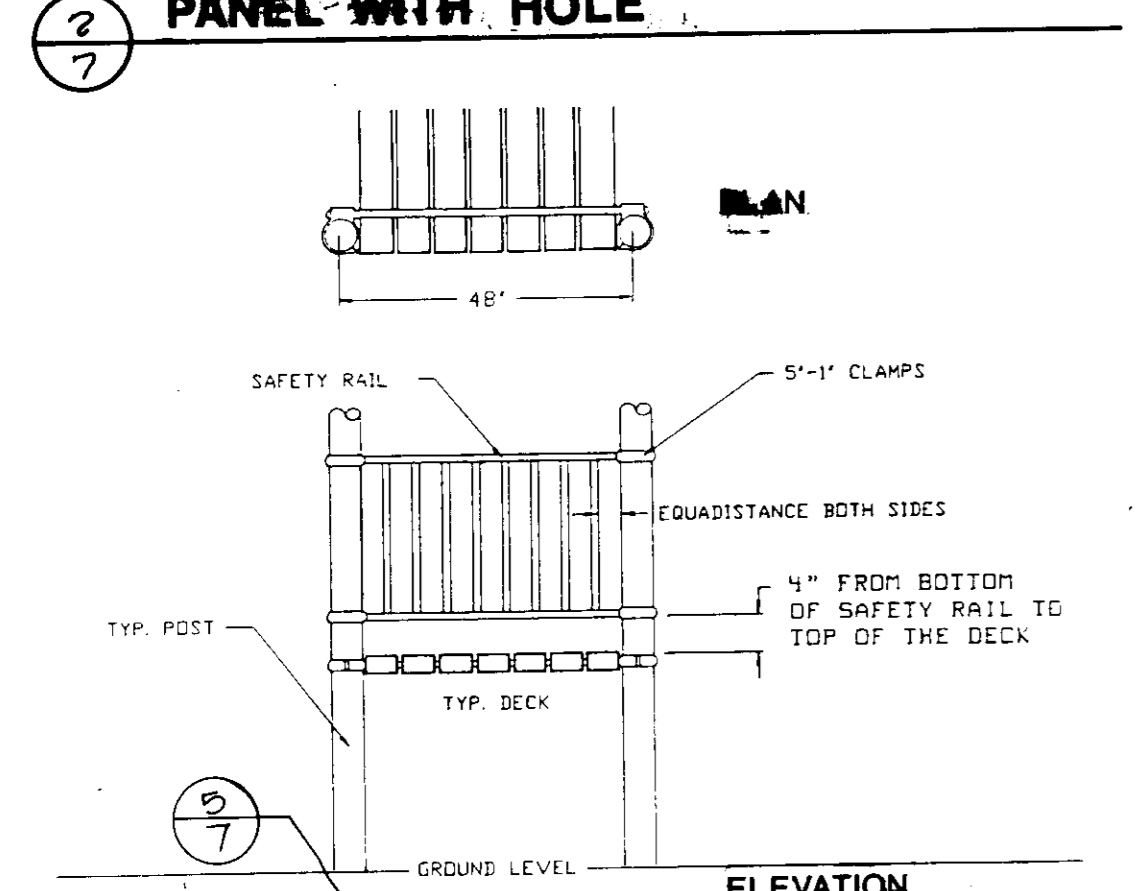
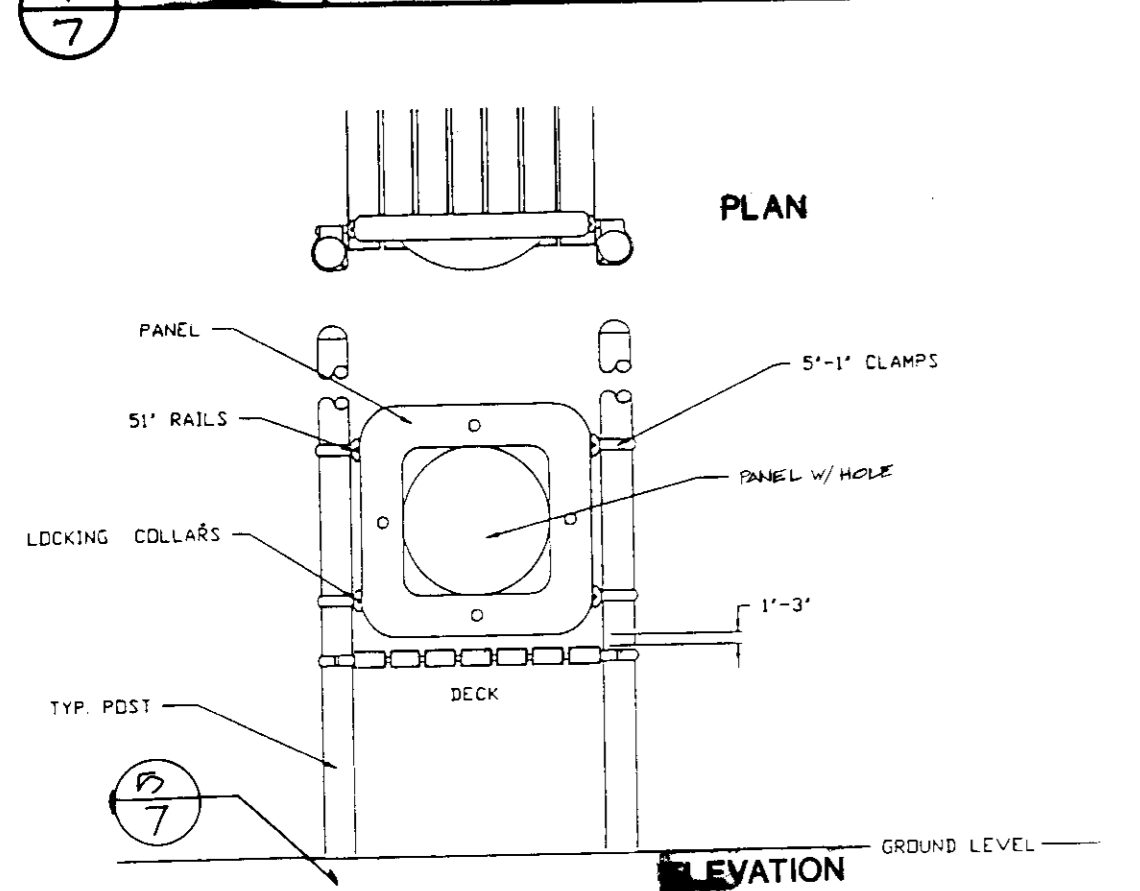
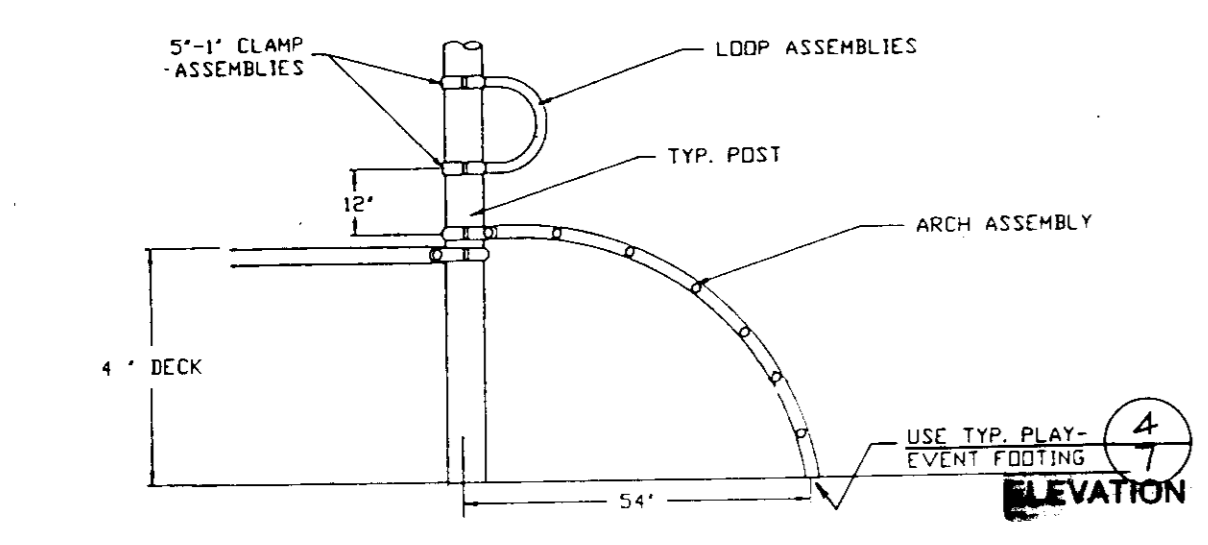
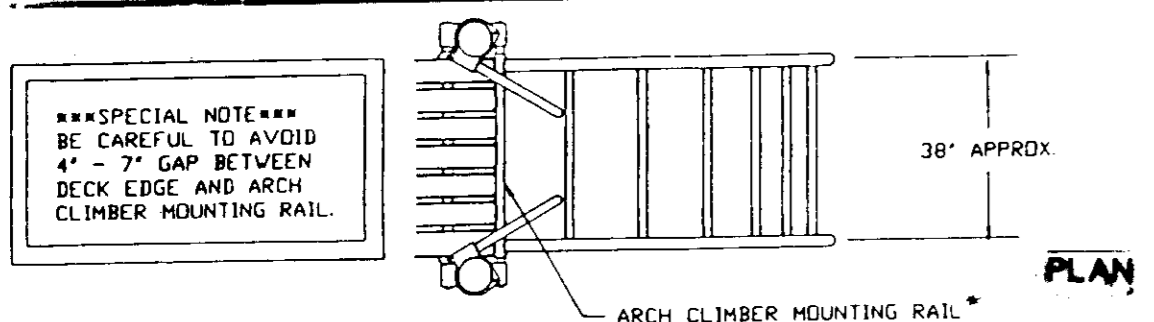
**Hammond Community Park**  
Capital Project N-3024

Hammond Park  
Murray Hill Plat Nos. 4991-4995, 4997, 5167, 5233-5235, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

Title: **CHILDREN'S PLAYGROUND**

Date: DECEMBER 20, 1989  
Drawing Number: **6**

Designer: B. KELLY & OTHERS  
Drafter: B. KELLY & OTHERS  
Scale: AS NOTED  
Checked by: *[Signature]*



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC WORKS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Director: *[Signature]* Date: 2/23/90  
Chief, Bureau of Engineering: *[Signature]* Date: 2/17/90

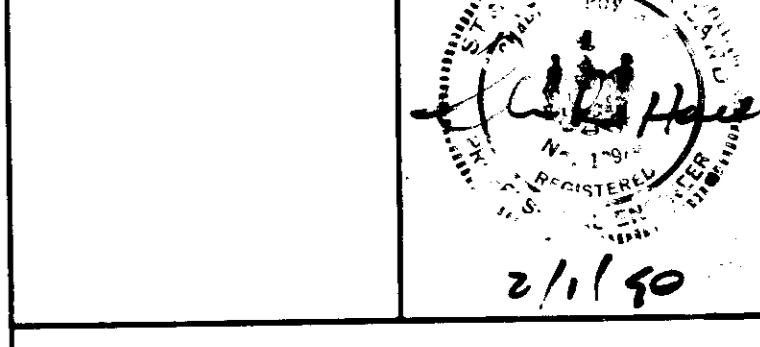
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

County Health Officer: *[Signature]* Date: 2/26/90

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Planning Director: *[Signature]* Date: 2/27/90  
Chief, Division of Community Planning: *[Signature]* Date: 2/27/90  
Eng. Land Development: *[Signature]* Date: 2/27/90

REVISIONS		
DATE	BY	DESCRIPTION



**Dewberry & Davis**  
Engineers, Architects, Planners, Surveyors  
2594 Riva Road, Annapolis, MD 21401  
(301) 841-6811

Owner: HOWARD COUNTY, D.P.W.  
3430 Court House Drive  
Ellicott City, MD 21043 Phone (301) 992-2040

**Hammond Community Park**  
Capital Project N-3024

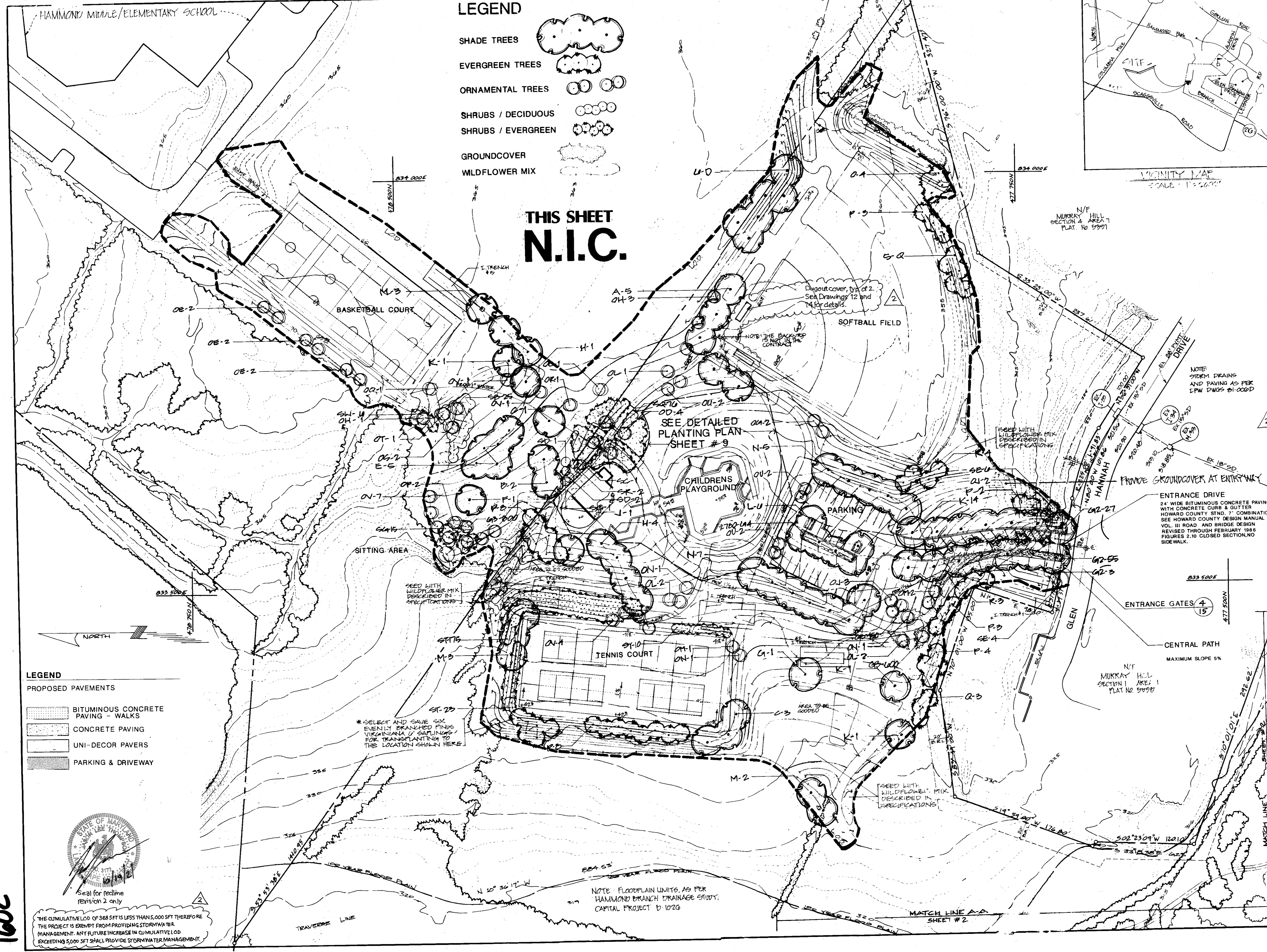
Hammond Park  
Murray Hill Plt. Nos. 4991-4995, 4997, 5187,  
5231-5233, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

Title: **PLAY STRUCTURES**

Date: DECEMBER 20, 1989	Drawing Number: 7
Designer: [Signature]	Drafter: [Signature]
Scale: NOT TO SCALE	Checked by: [Signature]

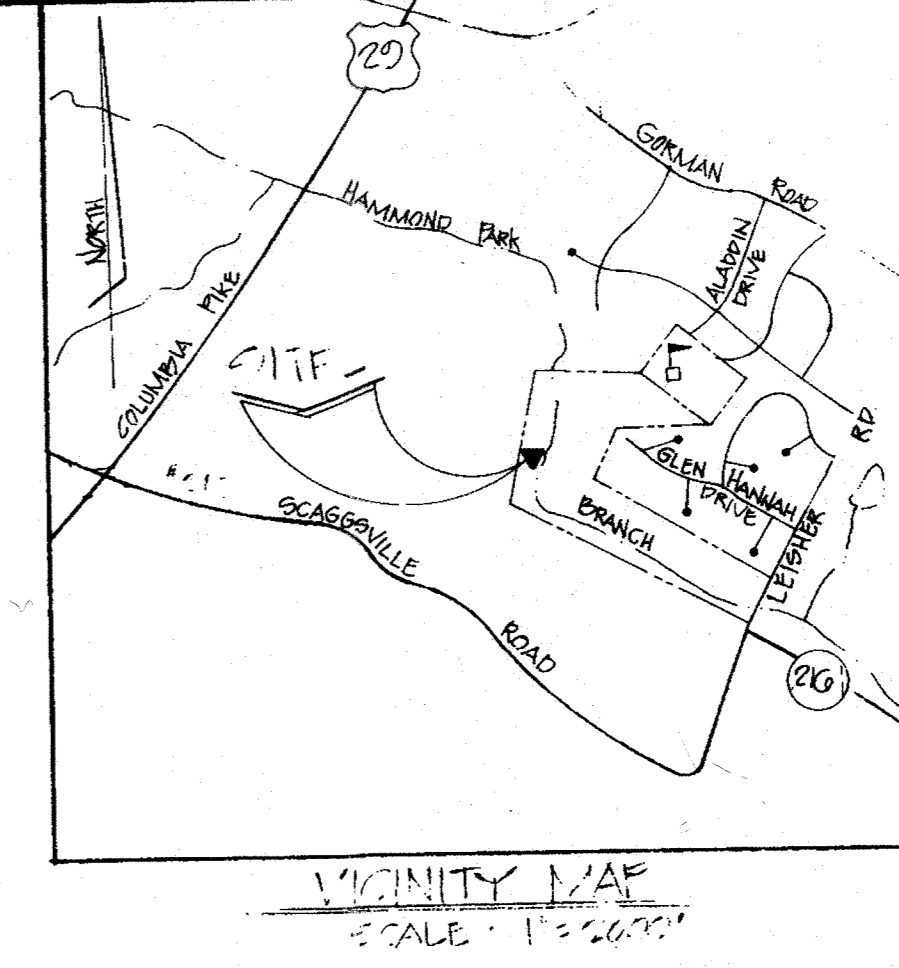
1602

500-90-50



- LEGEND**
- SHADE TREES
  - EVERGREEN TREES
  - ORNAMENTAL TREES
  - SHRUBS / DECIDUOUS
  - SHRUBS / EVERGREEN
  - GROUNDCOVER
  - WILDFLOWER MIX

**THIS SHEET  
N.I.C.**



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Director: *James P. ...* 2-23-90  
Date

Chief, Bureau of Engineering: *...* 2-7-90  
Date

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

County Health Officer: *...* 2-16-90  
Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Planning Director: *...* 2-27-90  
Date

Chief, Division of Community Planning and Land Development: *...* 2-27-90  
Date

**GENERAL NOTES**

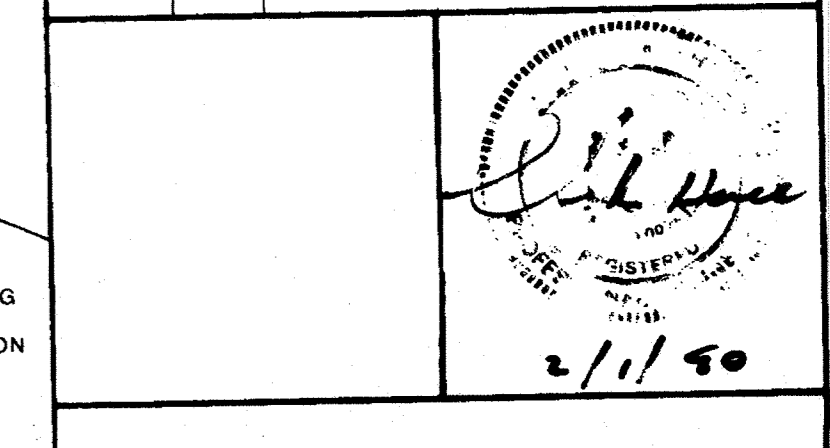
ALL AREAS NOT DESIGNATED AS SOODED OR SEEDED WITH WILDFLOWER MIX SHALL BE SEEDED WITH GRASSES AS DESCRIBED IN THE SPECIFICATIONS.

SOODING IS TO BE PLACED IN AREAS OF CONCENTRATED RUN-OFF OR STEEP SLOPES WHERE SEEDED IS NOT EFFECTIVE TO CREATE IMMEDIATE SOIL STABILIZATION.

THE CONTRACTOR HAS THE OPTION TO SOOD AREAS NOT DESIGNATED ON THE PLANTING PLAN BY APPROVAL OF COUNTY. SEE SPECIFICATIONS FOR SOODING.

**THIS PLAN IS FOR LANDSCAPE PURPOSES ONLY**

DATE	BY	DESCRIPTION
6/27/81	...	...
4/90	...	...
8/3/81	...	...



**Dewberry & Davis**  
Engineers Architects Planners Surveyors  
2594 Riva Road, Annapolis, MD 21401  
(301) 841-6811

OWNER: HOWARD COUNTY D.P.W.  
3430 Court House Drive  
Ellicott City, MD 21043 Phone (301) 992-2040

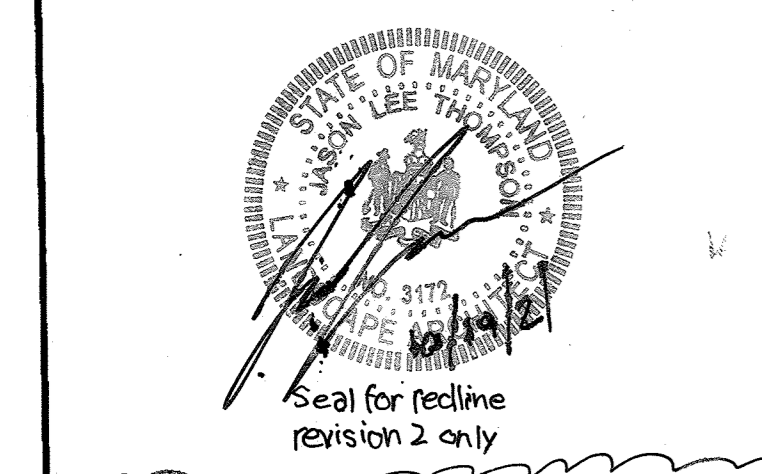
**Hammond Community Park**  
Capital Project N-3024

Hammond Park  
Murray Hill Plat No. 4991-4995, 4997-5187, 5235-5233, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

**OVERALL PLANTING PLAN**

Date	DECEMBER 20, 1989	Drawing Number	8
Designer	M. KELLER	Drafter	R. MENEZES
Scale	1" = 50'	Checked by	

- LEGEND**
- PROPOSED PAVEMENTS
- BITUMINOUS CONCRETE PAVING - WALKS
  - CONCRETE PAVING
  - UNI-DECOR PAVERS
  - PARKING & DRIVEWAY

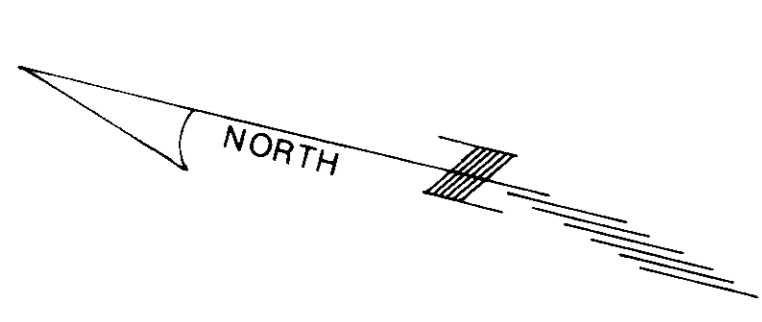


THE CUMULATIVE LOAD OF 368 SFT IS LESS THAN 5,000 SFT THEREFORE THE PROJECT IS EXEMPT FROM PROVIDING STORMWATER MANAGEMENT. ANY FUTURE INCREASE IN CUMULATIVE LOAD EXCEEDING 5,000 SFT SHALL PROVIDE STORMWATER MANAGEMENT.

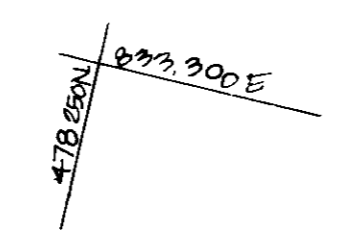
1602

SEP-90-50

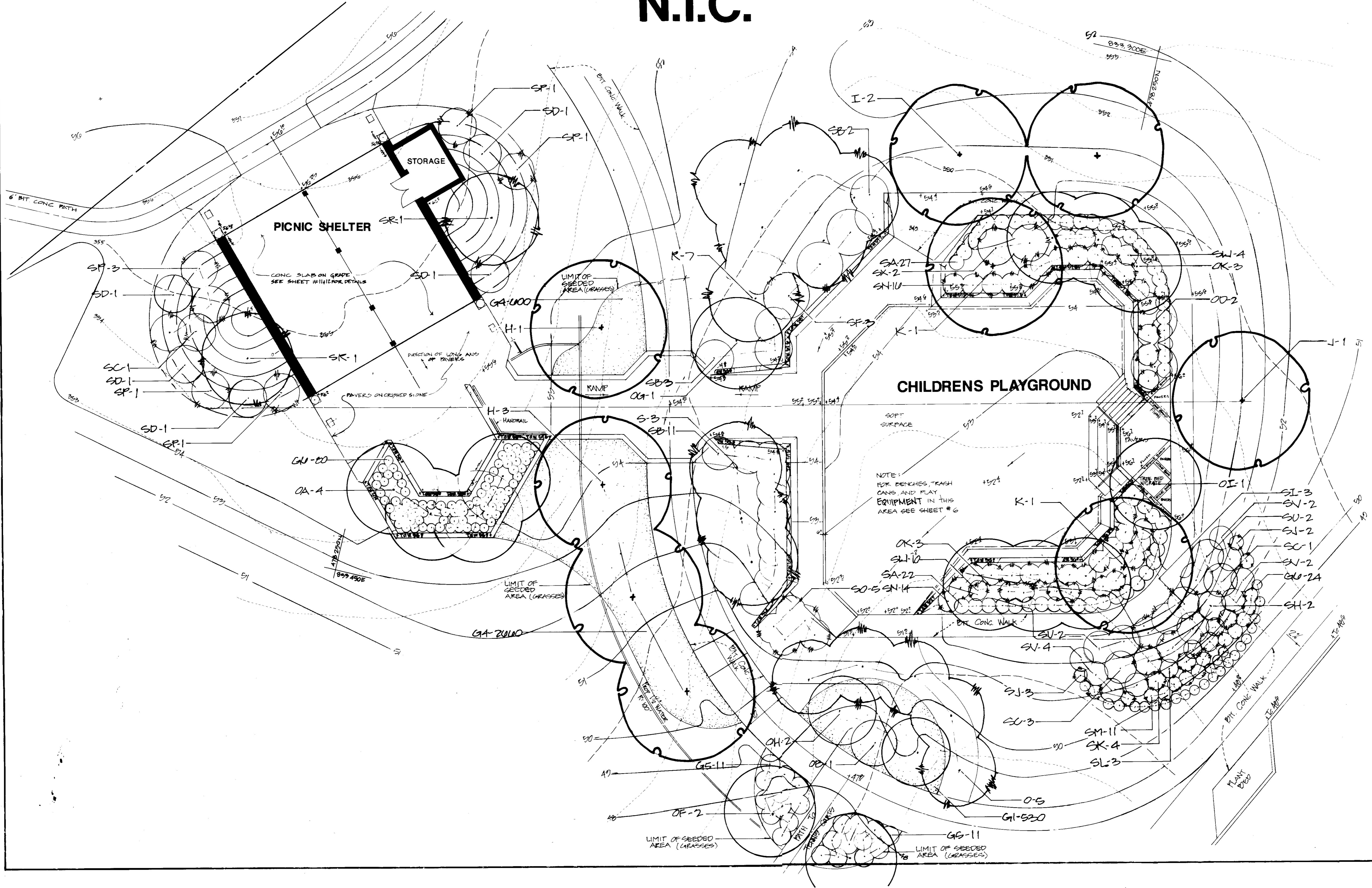




N/F  
HOWARD COUNTY  
BOARD OF EDUCATION  
LIBER 447 FOLD 97



# THIS SHEET N.I.C.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Director *[Signature]* 2-25-90  
Date

Chief, Bureau of Engineering *[Signature]* 2-7-90  
Date

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

County Health Office *[Signature]* *[Signature]*  
Date

APPROVED: HOWARD COUNTY  
DEPARTMENT OF PLANNING & ZONING

Planning Director *[Signature]* 2-27-90  
Date

Chief, Division of Community Planning  
and Land Development *[Signature]* 2-27-90  
Date

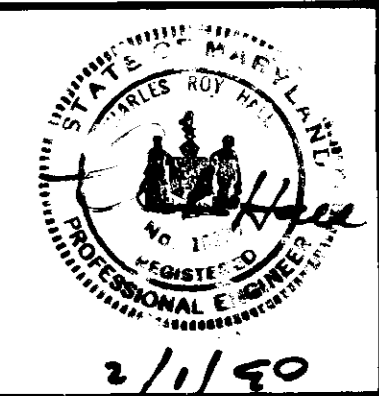
**GENERAL NOTES**

ALL AREAS NOT DESIGNATED AS SOODED OR SEEDING WITH WILDFLOWER MIX SHALL BE SEEDING WITH GRASSES AS DESCRIBED IN THE SPECIFICATIONS.

SOODING IS TO BE PLACED IN AREAS OF CONCENTRATED RUN-OFF OR STEEP SLOPES WHERE SEEDING IS NOT EFFECTIVE TO CREATE IMMEDIATE SOIL STABILIZATION.

THE CONTRACTOR HAS THE OPTION TO SOOD AREAS NOT DESIGNATED ON THE PLANTING PLAN BY APPROVAL OF COUNTY, SEE SPECIFICATIONS FOR SOODING.

REVISIONS		
DATE	BY	DESCRIPTION
5-12-90	BY [Signature]	REVISED
4-20	BY [Signature]	CHANGE THIS SHEET OUT OF CONTRACT



**Dewberry & Davis**  
Engineers Architects Planners Surveyors  
2594 Riva Road, Annapolis, MD 21401  
(301) 841-6611

Owner  
HOWARD COUNTY D.P.W.  
3430 Court House Drive  
Ellicott City, MD 21043 Phone (301) 992-2040

**Hammond Community Park**  
Capital Project N-3024

Hammond Park  
Murray Hill Plat Nos. 4991-4995, 4997, 5187, 5237-5239, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

Title  
**DETAILED PLANTING PLAN**

Date DECEMBER 20, 1989	Drawing Number
Designer BYRNE KELLY	Drafter A. SIMMONS
Scale 1" = 10'	Checked by
	<b>9</b>
	of _____

SOP-90-50

1602

Director: *[Signature]* 2-22-90  
Date: 2-22-90  
Chief, Bureau of Engineering: *[Signature]* 2-7-90  
Date: 2-7-90

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
County Health Officer: *[Signature]* 2/24/90  
Date: 2/24/90

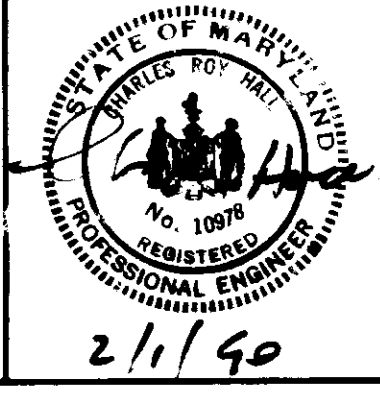
APPROVED: HOWARD COUNTY  
DEPARTMENT OF PLANNING & ZONING  
Planning Director: *[Signature]* 2-27-90  
Date: 2-27-90  
Chief, Division of Community Planning  
and Land Development: *[Signature]* 2/27/90  
Date: 2/27/90

GENERAL NOTES

- BACKFILL TREES AND SHRUBS WITH TOPSOIL AND FEATHERS (OR DECOMPOSED LEAF MULCH) 1:1 BASED BY VOLUME.
- ALL PLANT MATERIALS ARE TO BE HERBARIUM GROWN AND MUST COMPLY WITH THE CURRENT ANSI "AMERICAN STANDARD FOR NURSERY STOCK".
- SPRAY TREES AND SHRUBS WITH ANTI-DESICCANT IF FOLIAGE IS PRESENT.
- EVERGREEN TREES AND SHRUBS SHALL BE PLANTED IN THE SAME MANNER AS DECIDUOUS MATERIALS. PRUNE EVERGREENS TO GIVE COMPACT, UNIFORM APPEARANCE.
- PLANT MATERIAL TYPES AND SIZES MAY VARY DUE TO MARKET AVAILABILITY AT TIME OF CONSTRUCTION. ANY SUBSTITUTION TO BE OF EQUIVALENT TYPE AND SIZE AND SHALL BE SUBJECT TO THE APPROVAL OF HOWARD COUNTY D.P.W. AND Z.P.
- SEE CONTRACT SPECIFICATIONS FOR ADDITIONAL INFORMATION PRIOR TO PLANTING.

REVISIONS

DATE	BY	DESCRIPTION
5-10-90	EDM	PLANT LIST
10-2-90	PA	PLANT LIST
11-20-90	LEMC	THIS SHEET OUT OF CONTRACT



**Dewberry & Davis**  
Engineers Architects Planners Surveyors  
8201 Corporate Drive, Suite 020, Landover, MD 20785  
Tel: (301) 731-0373

Owner:  
HOWARD COUNTY D.P.W.  
3430 Court House Drive  
Ellicott City, MD 21043 Phone: (301) 992-2040

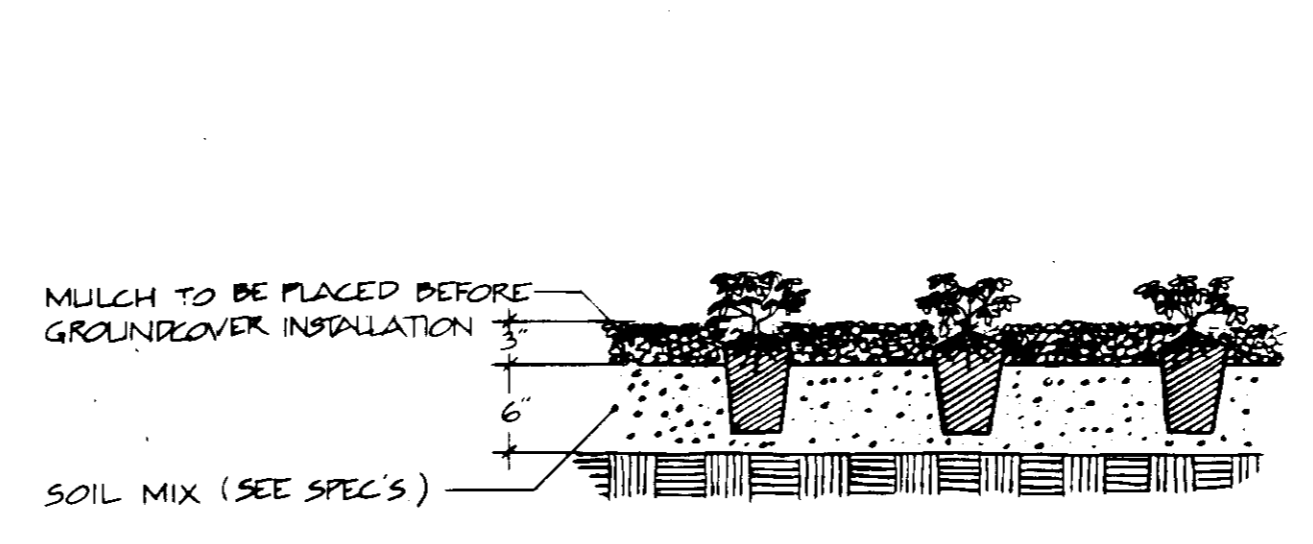
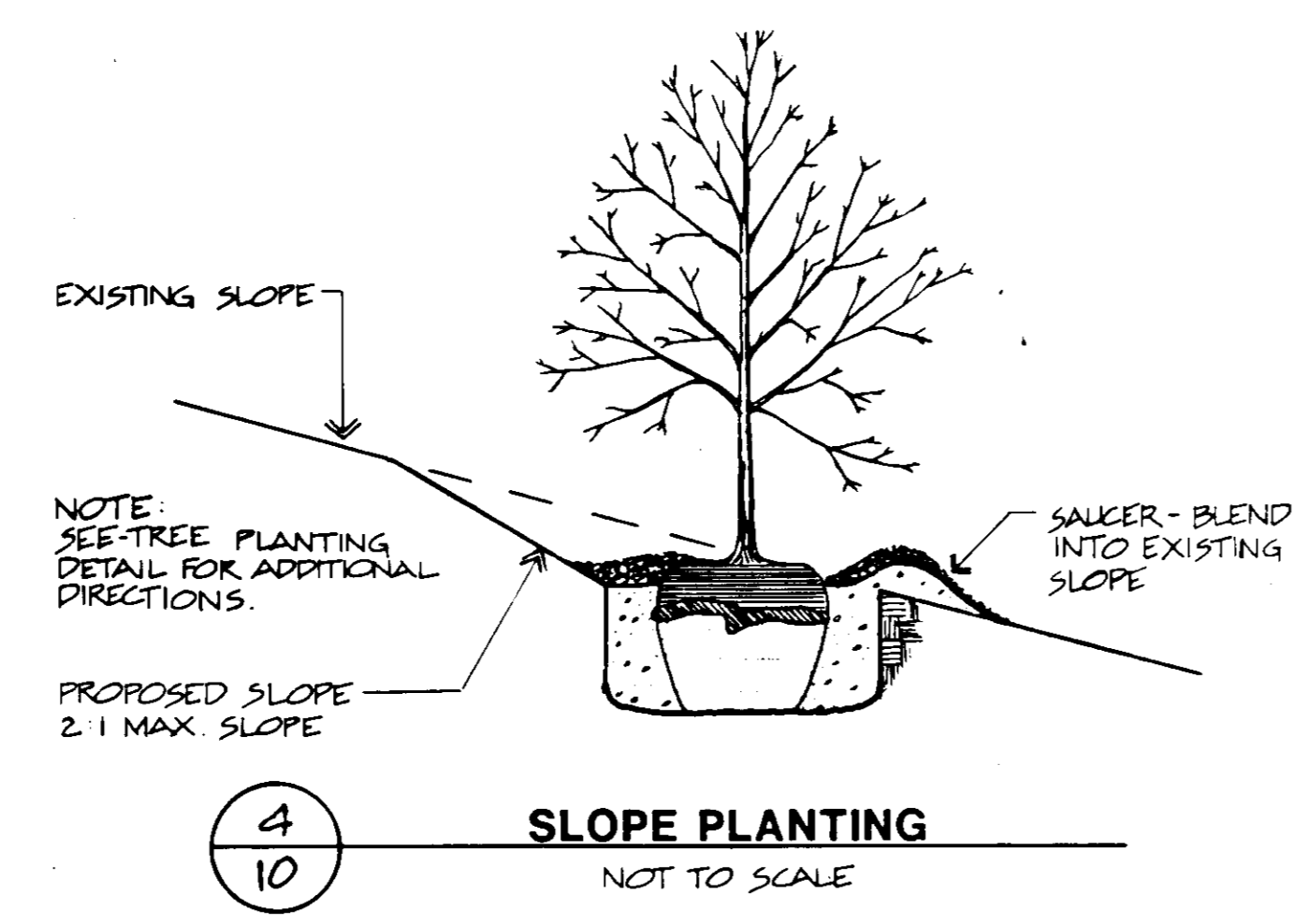
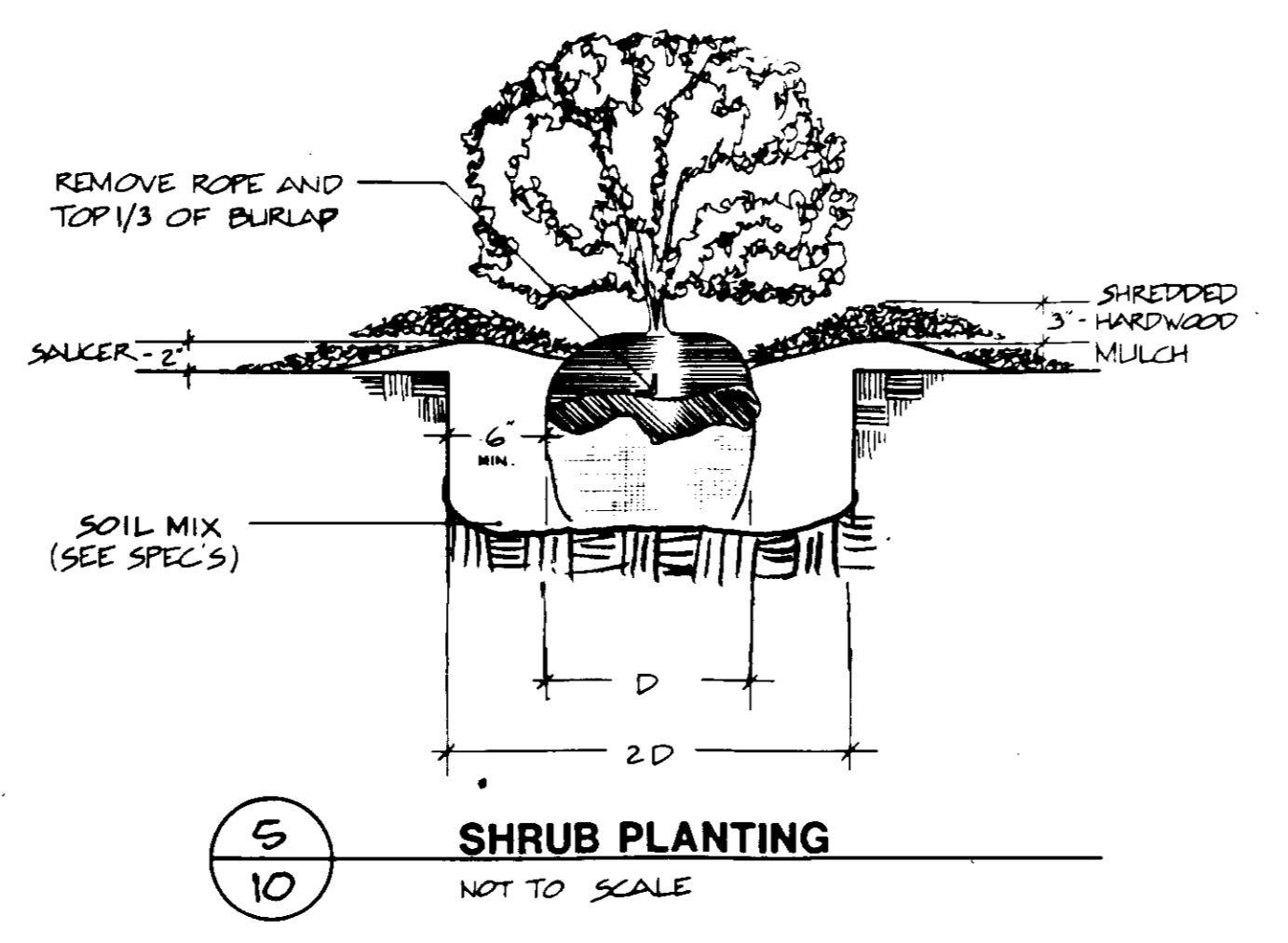
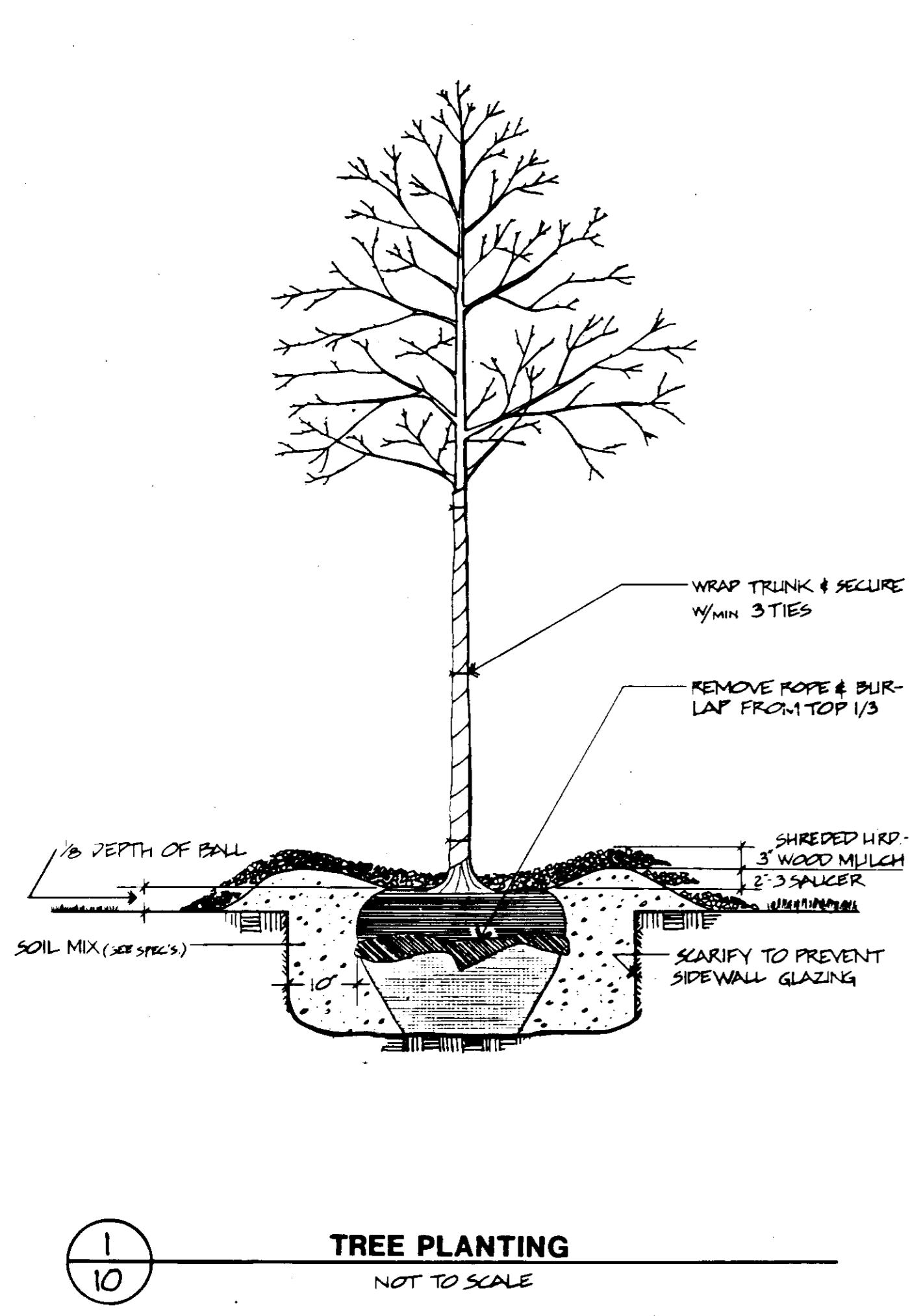
**Hammond Community Park**  
Capital Project N-3024

Hammond Park  
Murray Hill Rd. 4991-4995, 4997, 5187,  
5215-5233, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

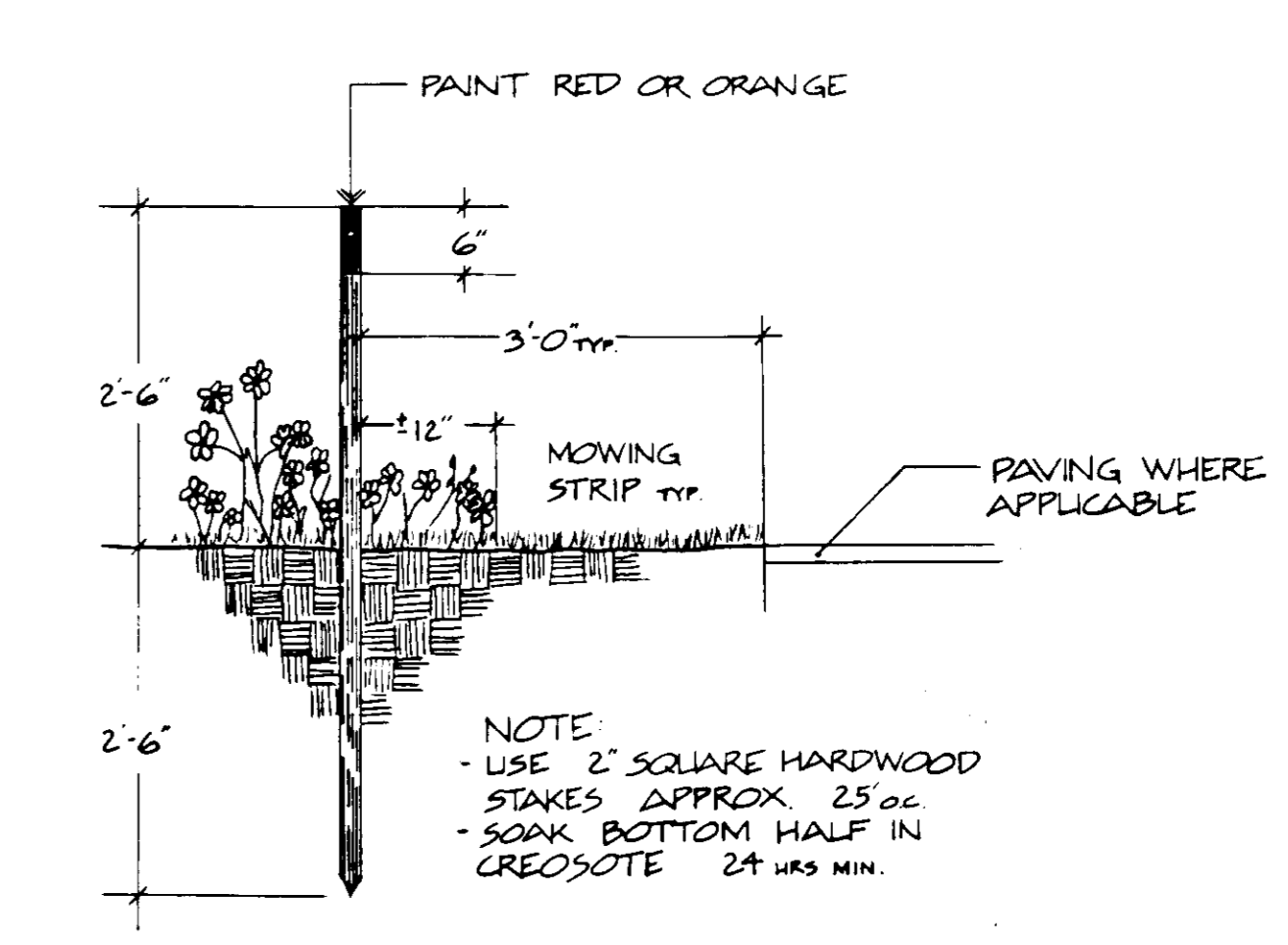
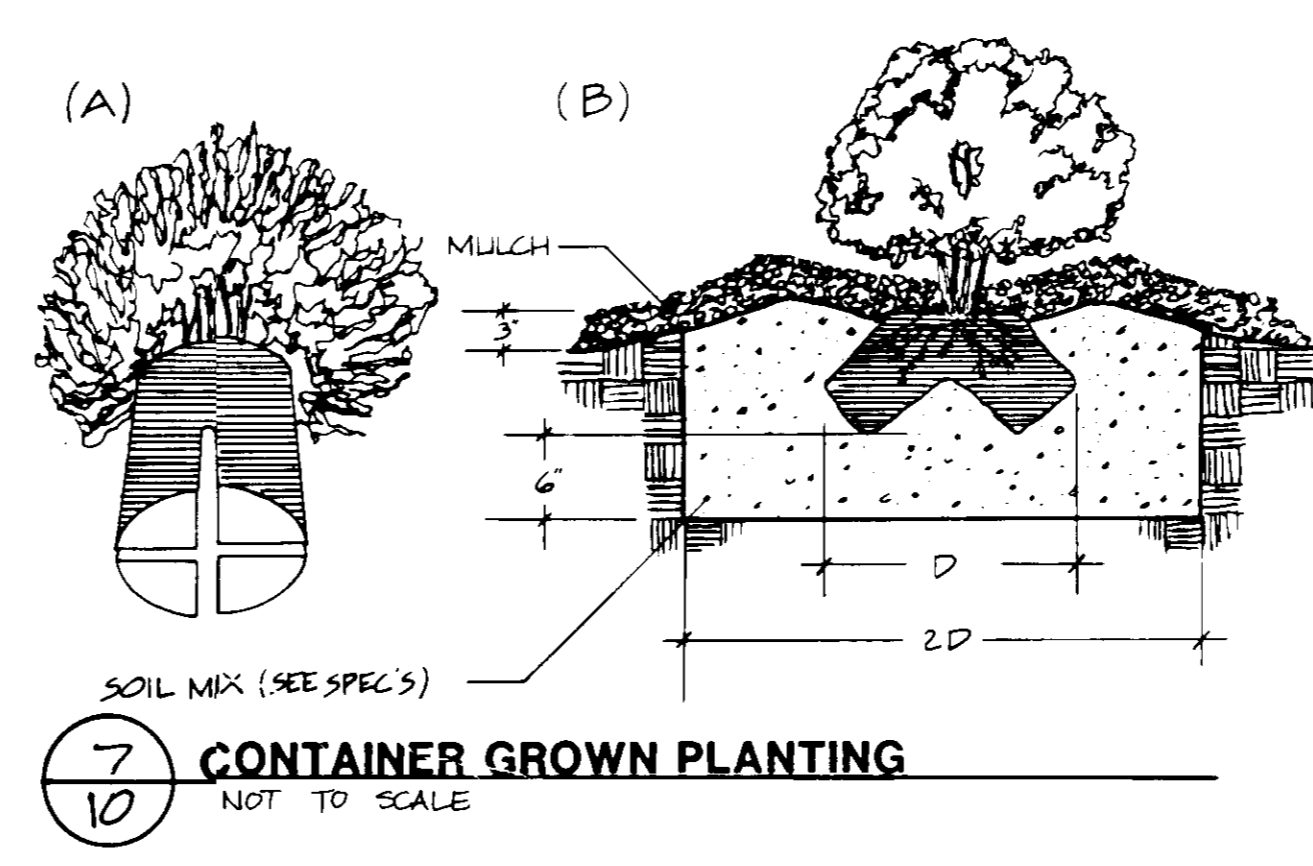
Title: **PLANTING DETAILS**

Date: DECEMBER 20, 1989 Drawing Number: 10

Designer: B. KELLY  
Drafter: B. KELLY  
Checked by: R. MENEFEE  
Scale: AS SHOWN

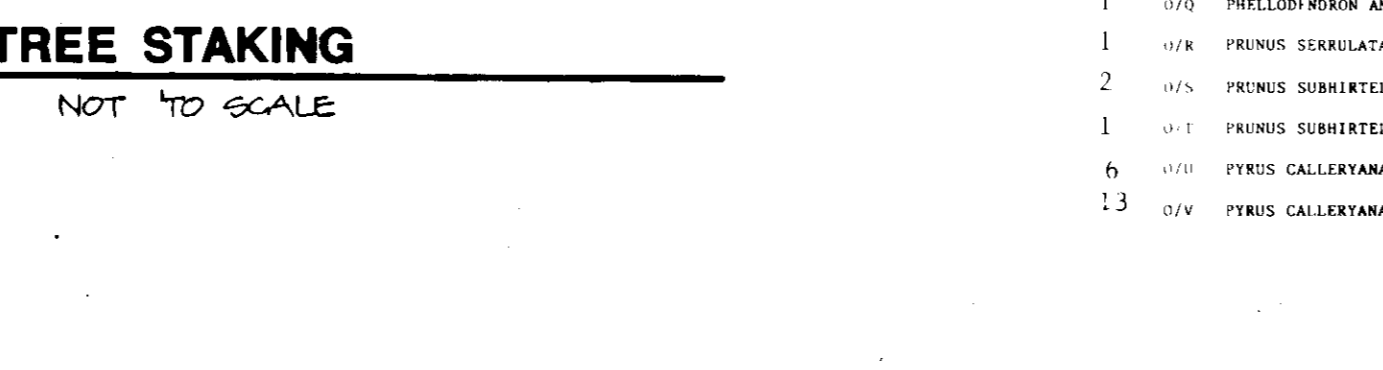
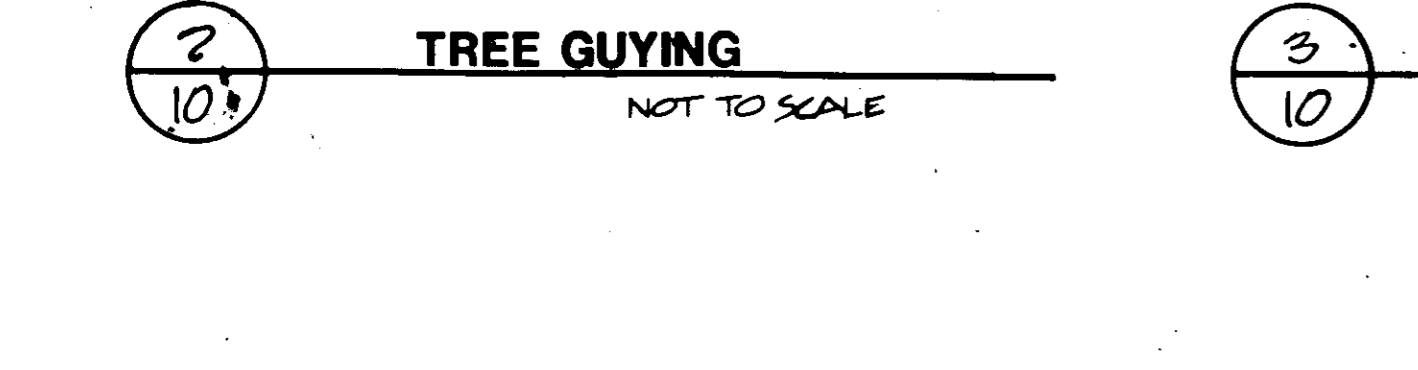
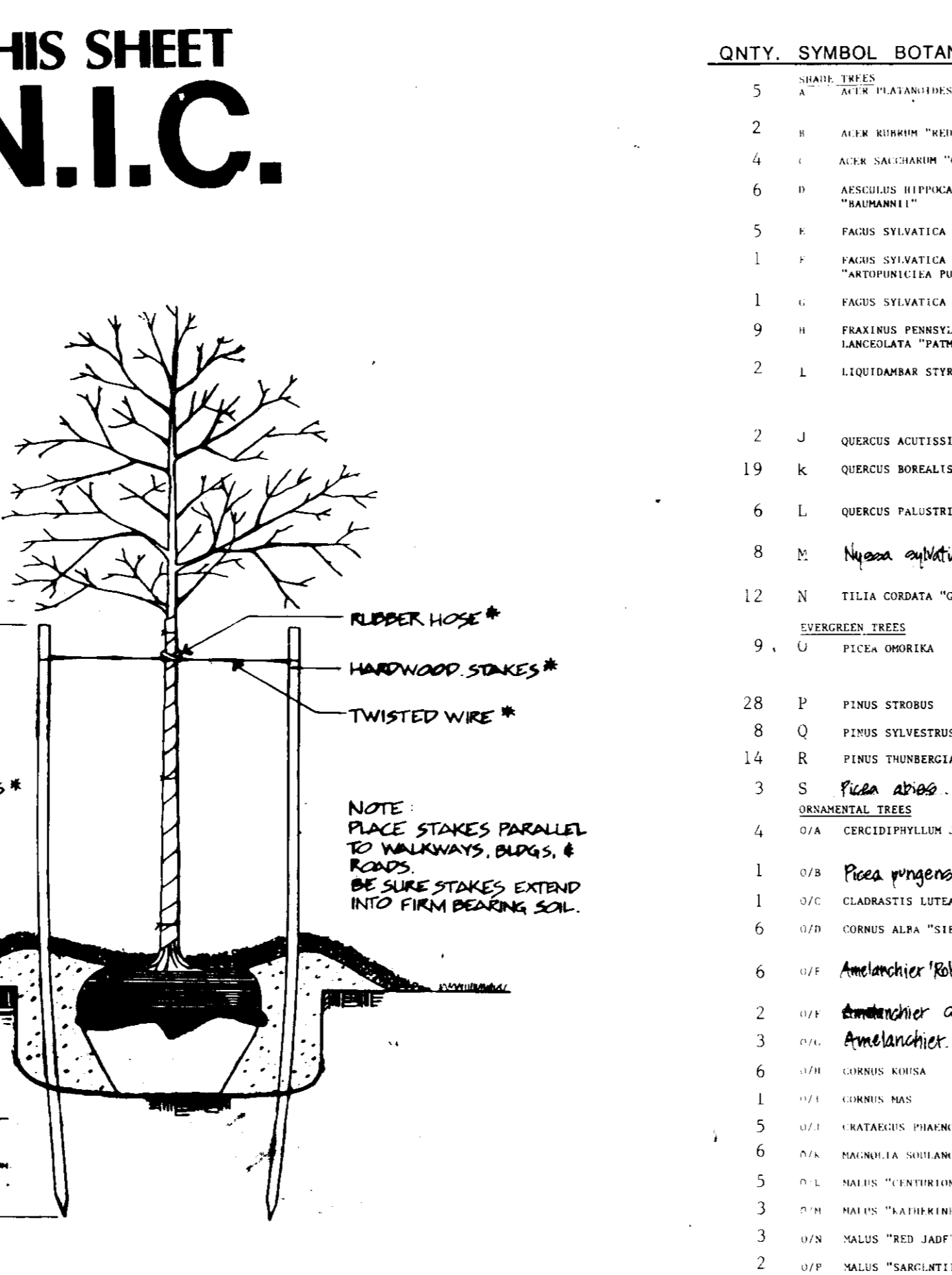
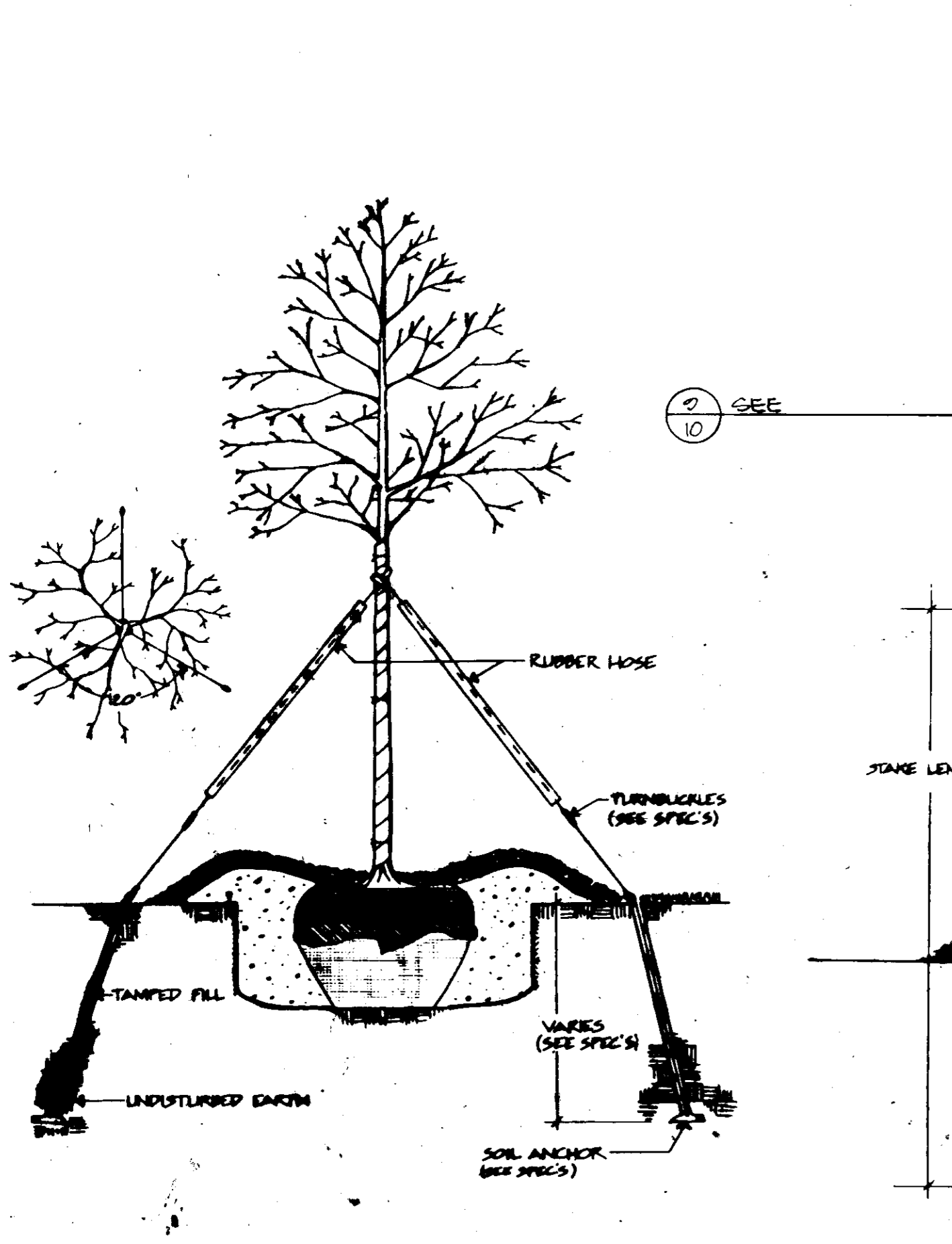


- GROUND COVER PLANTING**  
NOT TO SCALE
- CAREFULLY REMOVE PLANT BY EITHER CUTTING OR INVERTING THE CONTAINER.
  - USE A KNIFE OR A SHARP BLADE TO CUT THROUGH BOTTOM HALF OF ROOT BALL. (SEE -A)
  - CAREFULLY BUTTERFLY THE ROOT BALL TO BRING THE ROOT SYSTEM CLOSER TO THE SURFACE. (SEE B)



**WILD FLOWER BED STAKING**  
NOT TO SCALE

Tree Size Height	Tree Size Caliber	Stake #	Wire or Cable	Turnbuckle	Hose
6-8'	1-1/2"	5'	2	14 gauge wire	1/2"
8-10'	1 1/2-2"	5 or 6'	2	14 gauge wire	1/2"
10-12'	2-2 1/2"	7 or 8'	2	14 gauge wire	1/2"
12-14'	2 1/2-3"	Guy	3	12 gauge wire	1/2"
14-16'	3-4"	Guy	3	12 gauge wire	3/4"
16-20'	4-6"	Guy	3	12 gauge wire	3/4"
20' and over	6' and over	Guy	3	3/16" Cable	3/8 x 6"

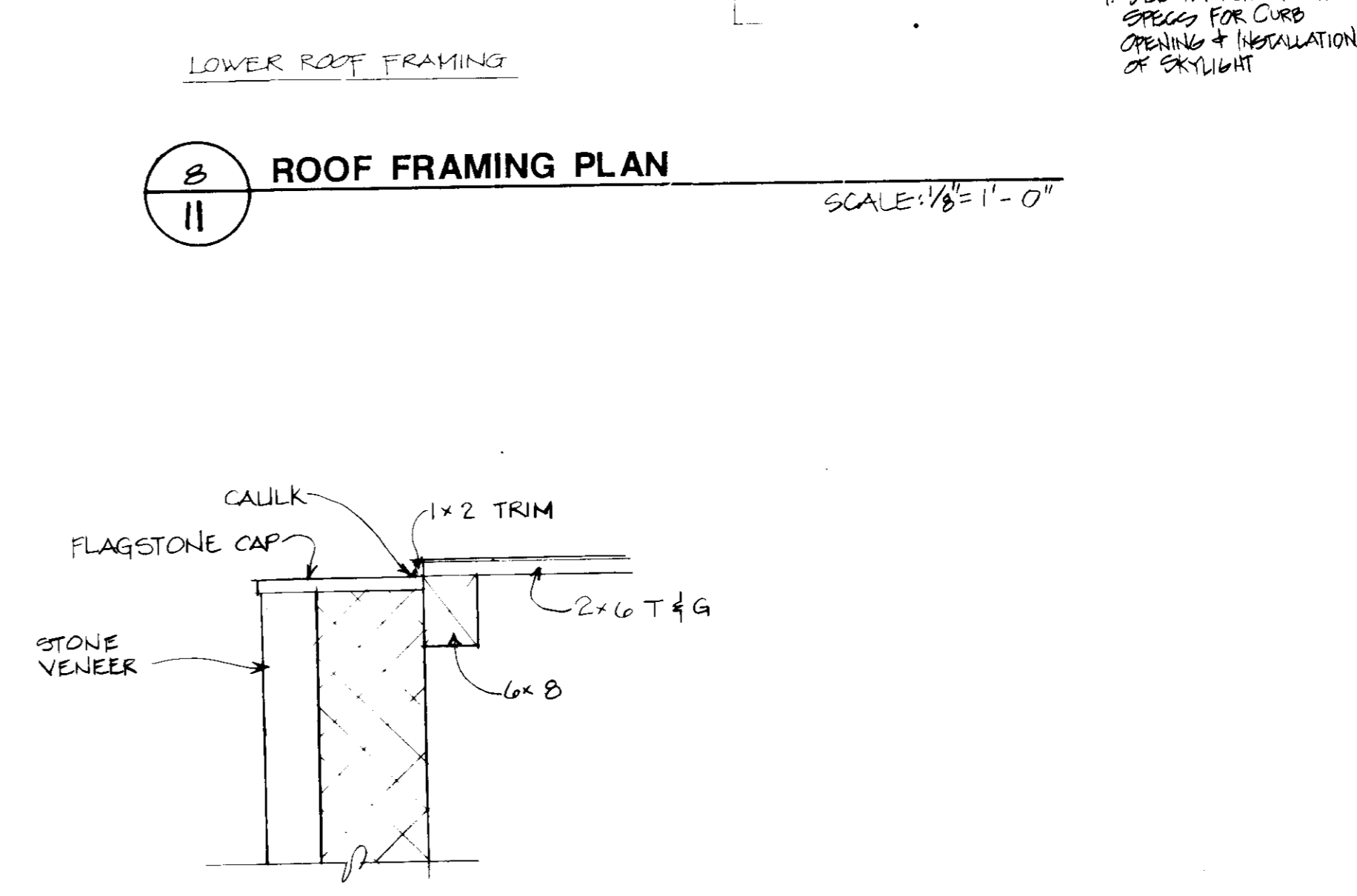
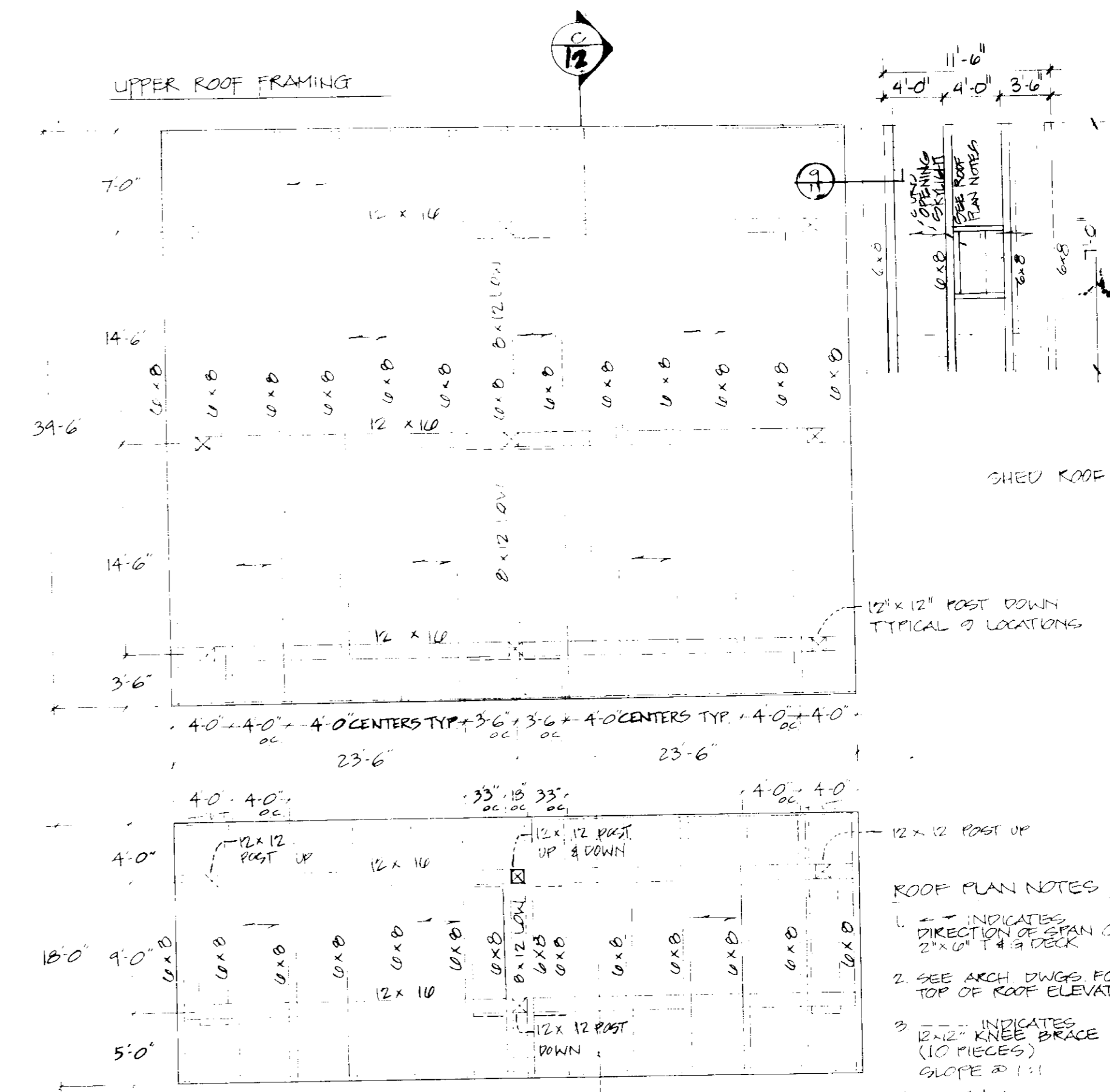
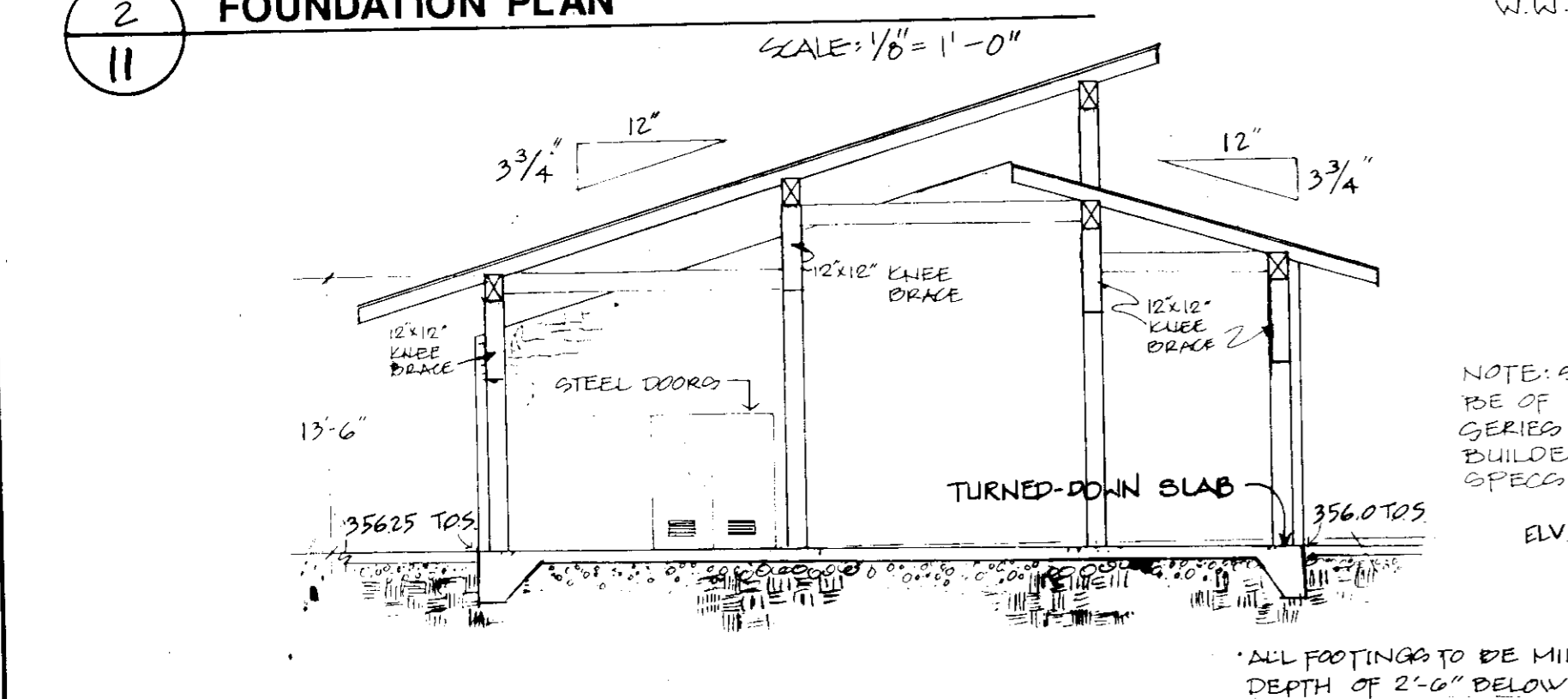
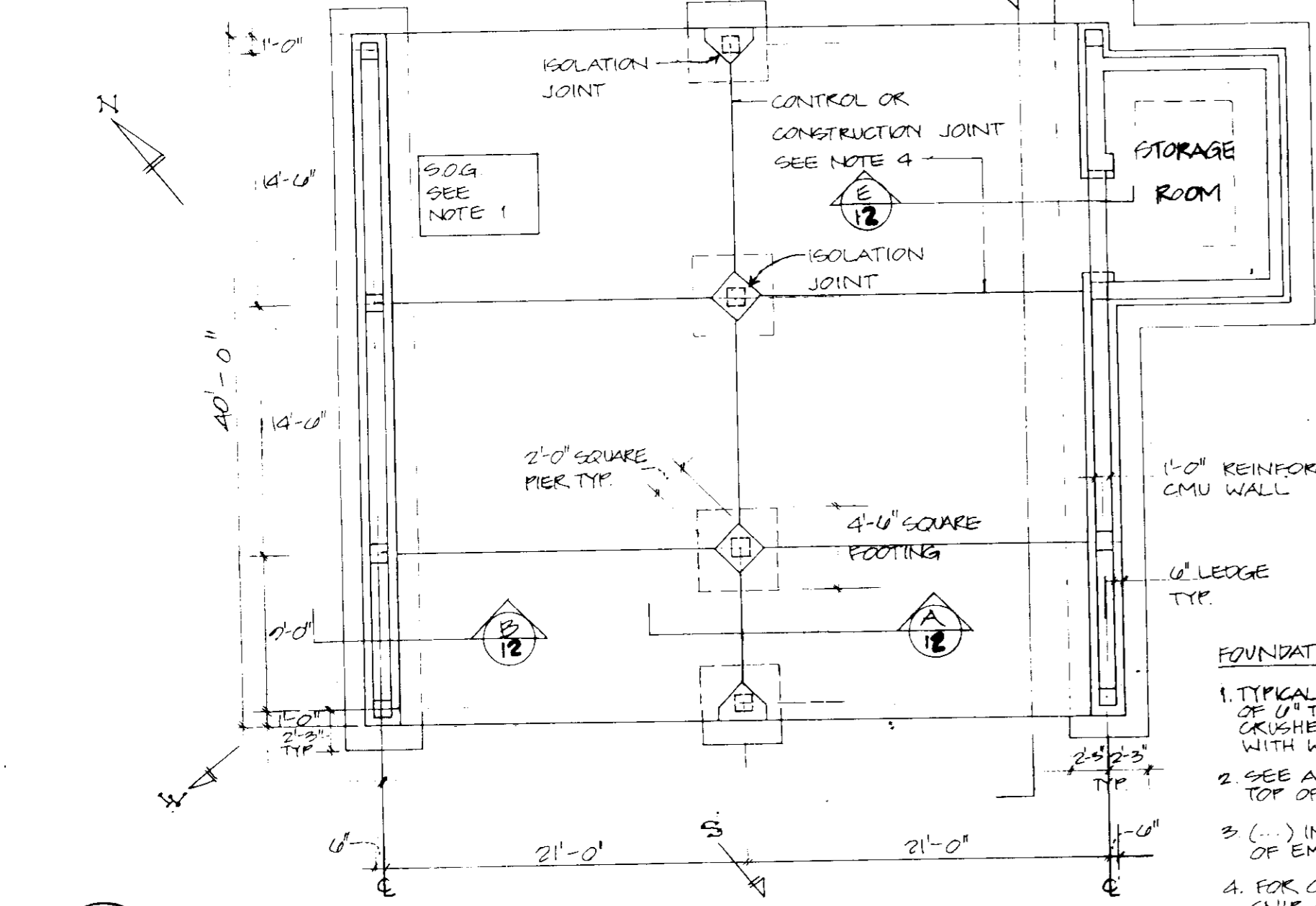
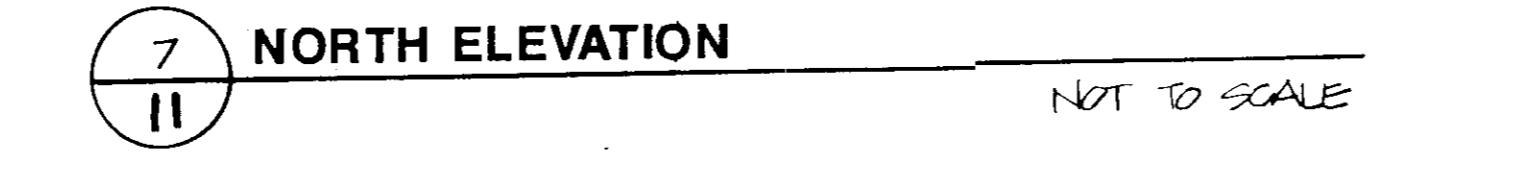
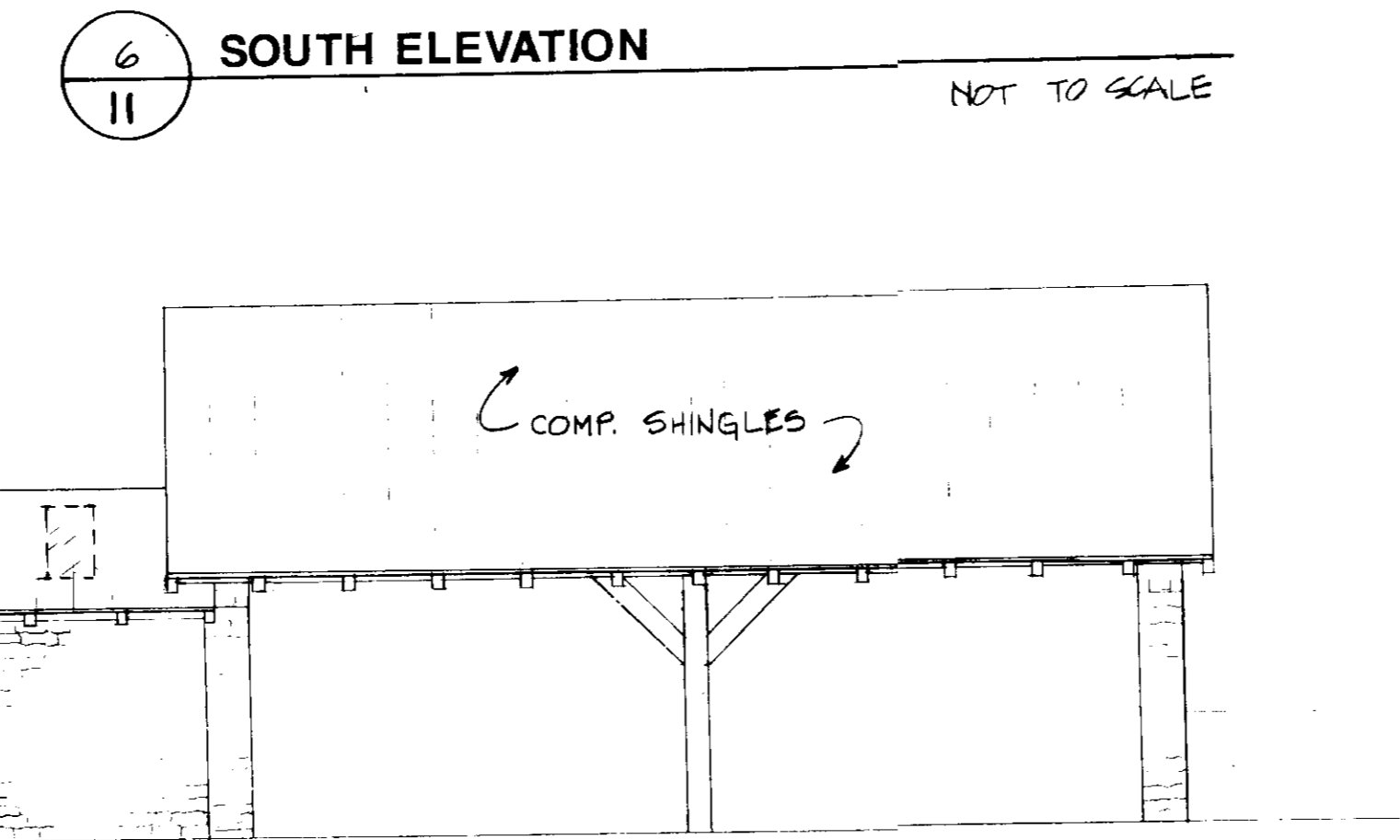
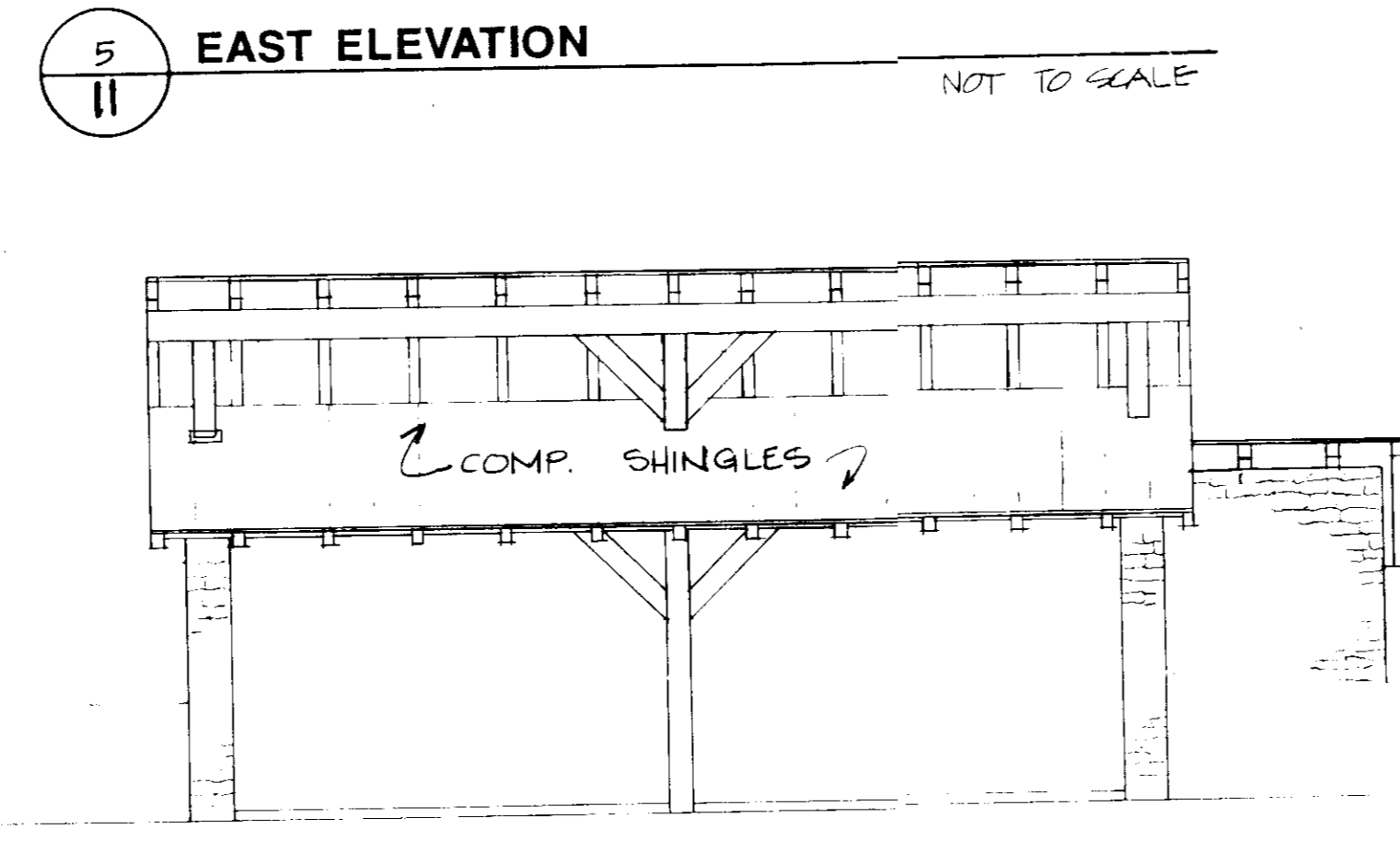
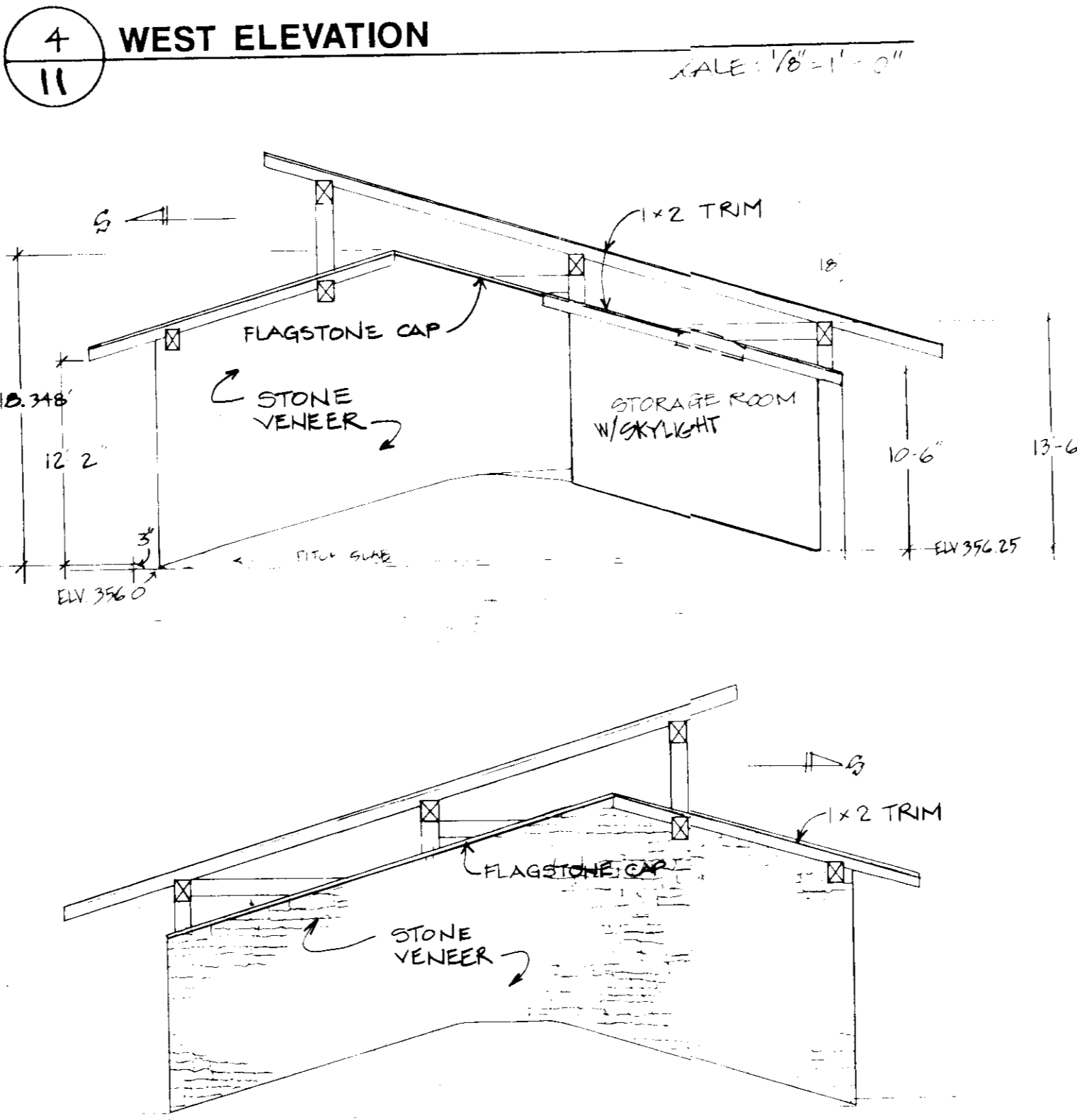
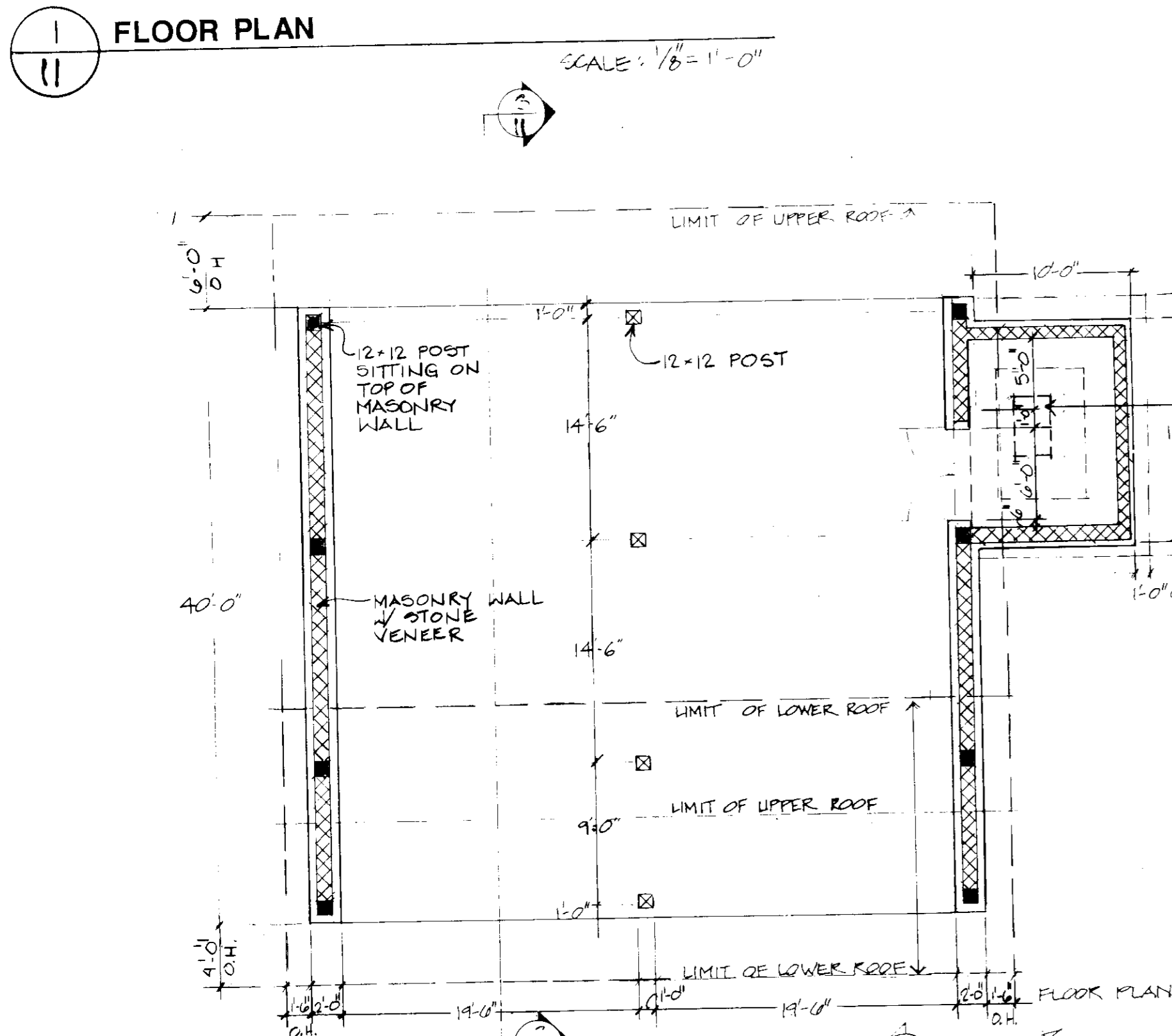


QNTY.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING & NOTES
5	A	SHRUB TREES ALN PLATANIFOLIA "SOMMERCHAIR"	SUMMERCHAIR BURNING BUSH	7'-10' cal.	BAR	5' SETBACK FROM WALKWAY
2	B	ALN KORYMBOS "REDHURST"	RED MAPLE	2'-10' cal.	BAR	AS SHOWN
4	C	ALN SALICIFORMIS "GREEN MOUNTAIN"	GREEN MOUNTAIN SMOKE MAPLE	2'-10' cal.	BAR	AS SHOWN
6	D	ARJUNIA INDICA "SANTALINI"	INDIAN BURNING BUSH	2'-10' cal.	BAR	AS SHOWN
5	E	FACUS SYLVATICA "ANTHONY'S RED"	EUROPEAN BEECH	2'-10' cal.	BAR	AS SHOWN
1	F	FACUS SYLVATICA "ANTHONY'S RED"	COPPER BEECH	2'-10' cal.	BAR	AS SHOWN
1	G	FACUS SYLVATICA "PENDULA"	WEeping EUROPEAN BEECH	2'-10' cal.	BAR	AS SHOWN
9	H	FRAXINUS PENNYLANICA "PATRIOT"	PATRIOT RED BIRCH	2'-10' cal.	BAR	AS SHOWN
2	L	LIQUIDAMBAR STRACAPILLA	AMERICAN SWEETGUM	2'-10' cal.	BAR	AS SHOWN
2	J	QUERCUS ACUTISSIMA	SAWTOOTH OAK	2'-10' cal.	BAR	AS SHOWN
19	K	QUERCUS BOREALIS ALBA	NORTHERN RED OAK	2'-10' cal.	BAR	30' o.c. ALONG DRIVE
6	L	QUERCUS PALUSTRIS	PIN OAK	2'-10' cal.	BAR	CENTER IN ISLAND
8	M	Nyssa sylvatica	Black Gum	2'-10' cal.	BAR	AS SHOWN
12	N	TILIA CORDATA "GREENSPIRE"	GREENSPICE LITTLE LEAF LINDEN	2'-10' cal.	BAR	4' SETBACK FROM DRIVE
9	U	PICEA OMBRIKA	SEBASTIAN SPRUCE	6'-7' Hgt.	BAR	AS SHOWN
28	P	PINUS STROBUS	WHITE PINE	6'-7' Hgt.	BAR	AS SHOWN
8	Q	PINUS SYLVESTRIS	SCOTCH PINE	7'-8' Hgt.	BAR	AS SHOWN
14	R	PINUS THUNBERGIANA	JAPANESE BLACK PINE	6'-7' Hgt.	BAR	AS SHOWN
3	S	Pinus strobus	Norway Spruce	6'-7' Hgt.	BAR	10' o.c. MIDWAY
4	U	UNIDENTIFIED TREES	KATSURA TREE	10'-21' Hgt.	BAR	10' o.c. CENTER IN PLANTER
1	U1	Picea mariana 'Glauca'	Colorado Blue Spruce	4'-5'	BAR	CENTER ON AXIS OF WALK SETBACK 5'
1	U2	CLADRASTIS LUTEA	YELLOWWOOD	2'-10' cal.	BAR	AS SHOWN, 10' - 12' MIN. HGT
6	U3	CORNUS ALBA "SIBIRICA"	TATARIAN DOGWOOD	3'-4'	BAR	10' o.c. CENTERED IN PLANT BED
2	U4	Amelanchier 'Robin Hill Pink'	Black Shadbolt	6'-8' Hgt.	BAR	AS SHOWN, SEE LARGER TREES
2	U5	Amelanchier canadensis	Berried Cherry	5'-6'	BAR	AS SHOWN
3	U6	CORNUS KUSNA	KUSNA JAPANESE DOGWOOD	5'-6'	BAR	AS SHOWN
1	U7	CORNUS MAS	LORDELIAN CHERRY	6'-7'	BAR	AS SHOWN, MULTI-STEM REMOVE LOWER BRANCHES
5	U8	ARALISIA FLEXIBILIS	WASHINGTON BACCHARIS	5'-6'	BAR	AS SHOWN
6	U9	ARALISIA FLEXIBILIS "ALEXANDRINA"	ALEXANDRINA BACCHARIS	6'-7'	BAR	AS SHOWN, MULTI-STEM REMOVE LOWER BRANCHES
5	U10	MAELIS "ENTRICKING"	LENDERLIN CHERRY	2'-10' cal.	BAR	AS SHOWN
3	U11	MAELIS "LATERIKING"	LATERIKING CHERRY	2'-10' cal.	BAR	AS SHOWN
3	U12	MAELIS "RED JADE"	RED JADE CHERRY	6'-8'	BAR	AS SHOWN
2	U13	MAELIS "SARICILITE"	SARICILITE CHERRY	6'-7'	BAR	AS SHOWN, MULTI-STEM
1	U14	PHLOEOBOS AMORNESE	AMOR OAKTREE	2'-10' cal.	BAR	AS SHOWN
1	U15	PRUNUS SEROTINA "KAWANAN"	KAWANAN CHERRY	2'-10' cal.	BAR	AS SHOWN, ON ROOT, REGULAR FORM
2	U16	PRUNUS SUBMIRTELLA "AUTUMNALIS"	AUTUMN FLOERING CHERRY	2'-10' cal.	BAR	AS SHOWN
1	U17	PRUNUS SUBMIRTELLA "PENDULA"	WEeping JAPANESE CHERRY	2' cal.	BAR	AS SHOWN, ON ROOT
6	U18	PRUNUS CALLERYANA "BRADFORD"	BRADFORD CALLERY PEAR	2'-10' cal.	BAR	AS SHOWN
13	U19	PRUNUS CALLERYANA "REDFIRE"	REDFIRE PEAR	2'-10' cal.	BAR	AS SHOWN

QNTY.	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	SPACING & NOTES
49	U20	BERBERIS THUNBERGII "ATROVIRENS"	CRIMSON PYGMY BARBERIS	12"-15"	CONT.	3' o.c. AS SHOWN, 2' SETBACK FROM WALL
41	U21	EUONYMUS ALATUS COMPACTUS	COMPACT VINED EUONYMUS	2'-21"	CONT.	5' o.c. AS SHOWN, 1' SETBACK FROM WALLS
7	U22	FOXTHELLA PALMATA	LARGE FOXTHELLA	21"-31"	CONT.	AS SHOWN, MUST HAVE ACID SOIL
8	U23	HYDRANGEA QUINQUEFOLIA "DWARF GREEN"	SNOWGEEK OXLEYA HYDRANGEA	2'-21"	CONT.	AS SHOWN, MUST HAVE DRAINAGE SOIL
10	U24	VIBURNUM CARLESI	KOREAN SPICE VIBURNUM	2'-21"	CONT.	6' o.c. MIN., AS SHOWN
3	U25	VIBURNUM CARLESI	WILLOWOOD VIBURNUM	2'-3'	CONT.	5' SETBACK FROM WALL 10' o.c. SEN.-EVERG.
15	U26	AZALEA GIBBA "ROSEBUD"	GABLE HYBRID-ROSEBUD AZALEA	2'-21"	BAR	2' SETBACK FROM WALK 4' o.c.
2	U27	AZALEA GIBBA "STENANTONIUM"	GABLE HYBRID-ROSEBUD AZALEA	2'-21"	BAR	AS SHOWN
3	U28	AZALEA GIBBA "GLACIER"	LENDALE HYBRID-GLACIER WHITE AZ.	18"-24"	CONT.	1' SETBACK FROM WALL 5' o.c.
5	U29	AZALEA KURUME	KURUME HYBRID-KURUME VALLEY WHITE	15"-18"	CONT.	AS SHOWN
4	U30	AZALEA KURUME	KURUME HYBRID-KURUME RED AZALEA	15"-20"	CONT.	AS SHOWN
3	U31	AZALEA KURUME	KURUME HYBRID-KURUME DAY AZALEA	18"-24"	CONT.	AS SHOWN
11	U32	AZALEA SATSUKI "PAUKANITHA"	SATSUKI HYBRID-PAUKANITHA AZALEA	15"-18"	CONT.	AS SHOWN
30	U33	BERBERIS JULIANA	VIBURNUM BARBERIS	2'-21"	CONT.	2' SETBACK FROM WALLS 2' o.c.
5	U34	ILEX EXONATA "COMPACTA"	COMPACT JAPANESE HOLLY	3'-4'	BAR	1' SETBACK FROM WALL 4' o.c. IN 7' WIDE 5' HIGH
7	U35	ILEX EXONATA "HITZELI"	HITZELI JAPANESE HOLLY	2'-3'	BAR	AS SHOWN
76	U36	ILEX GLABRA "COMPACTA"	COMPACT ENGLISH HOLLY	18"-24"	BAR	1' SETBACK FROM WALKS 4' o.c. AS SHOWN
3	U37	ILEX OPACA (MALE & FEMALE)	AMES CAN HOLLY	5'-6'	BAR	AS SHOWN, MALE IS NOTED ON PLAN W/ASTERISK
1	U38	JUNIPERUS HORIZONTALIS "PLUMOSA"	ANDROMEDA CREEPING JUNIPER	15'-18"	BAR	5' o.c. IN ROWS AS SHOWN
4	U39	KNIPHOKIA CATANTHUS	NOVA ZEBELA KNIPHOKIA	2'-21"	BAR	1' SETBACK FROM WALK AS SHOWN
8	U40	KNIPHOKIA "PJM"	PJM KNIPHOKIA	18"-24"	BAR	AS SHOWN
20	U41	TAKEUS CUSPIDATA "DENSIFORMIS"	DENSE JAPANESE YEW	15'-18"	BAR	1' o.c. OR AS SHOWN
2	U42	TAKEUS MEDIA "HATFIELDI"	HATFIELD JAPANESE YEW	2'-21"	BAR	8' APART AS SHOWN
10	U43	TRIFOLIUM ACCIDENTALIS "NIGRA"	DARK AMERICAN ARBOVITAE	5'-6'	BAR	5' o.c. AS SHOWN

**10 PLANT LIST**

1602



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Director: *James P. Lee* Date: 2.23.90  
Chief, Bureau of Engineering: *James P. Lee* Date: 2.7.90

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

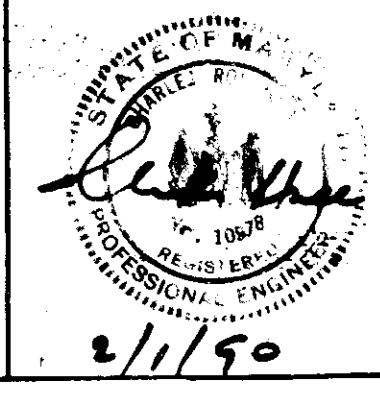
County Health Officer: *James M. Boyd* Date: 2.23.90

APPROVED: HOWARD COUNTY  
DEPARTMENT OF PLANNING & ZONING

Planning Director: *David S. Doughty* Date: 2.23.90  
Chief, Division of Community Planning and Land Development: *David S. Doughty* Date: 2.23.90

SKYLIGHT: TO BE CATALOG # 2852 22 1/4" x 40" CLEAR VET FIXED VINYL MODEL ROOMER SKYLIGHTS, INC. OR APPROVED EQUAL.

REVISIONS		
DATE	BY	DESCRIPTION



**Dewberry & Davis**  
Engineers Architects Planners Surveyors  
2504 Riva Road, Annapolis, MD 21401  
(301) 841-6811

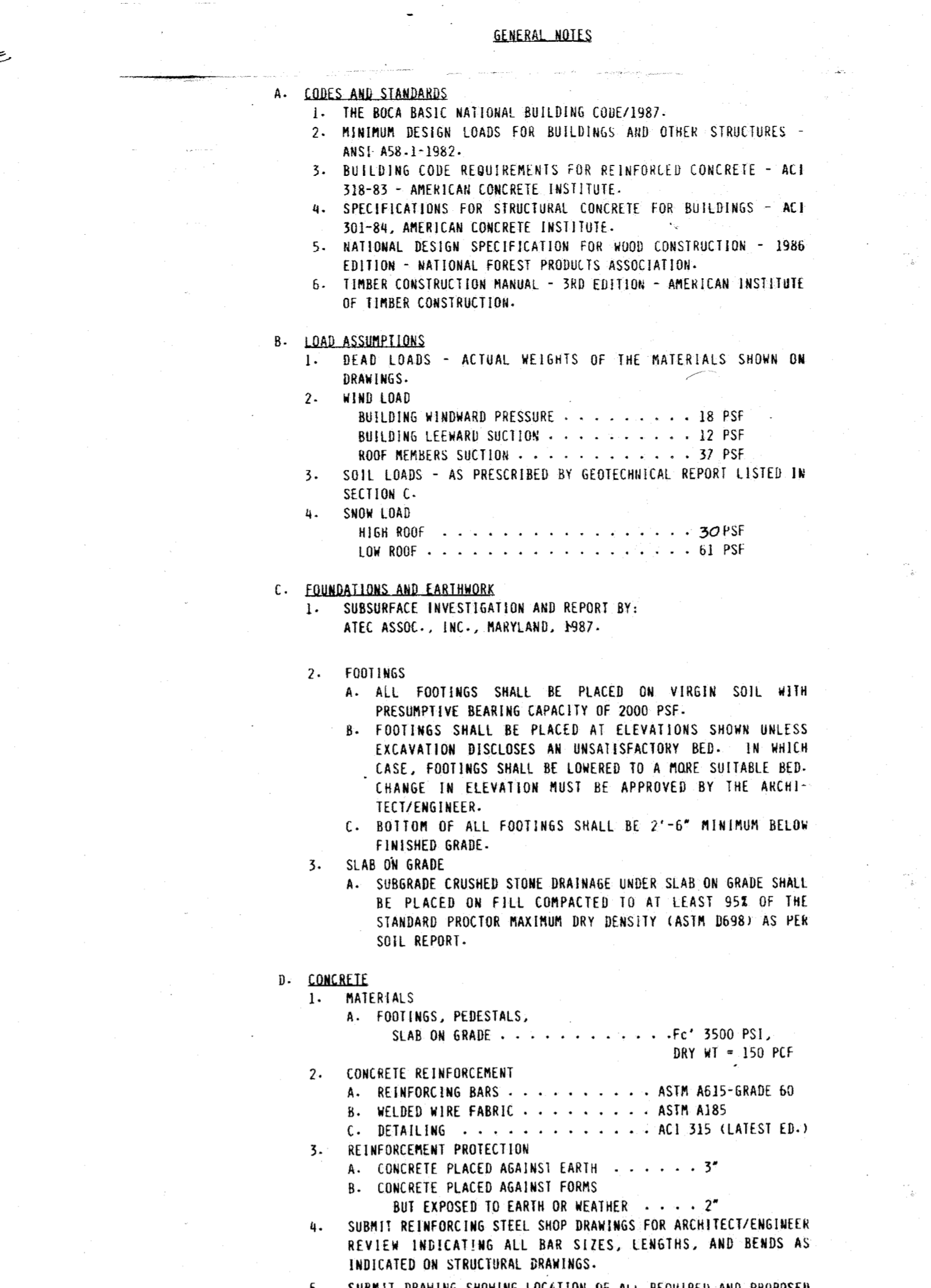
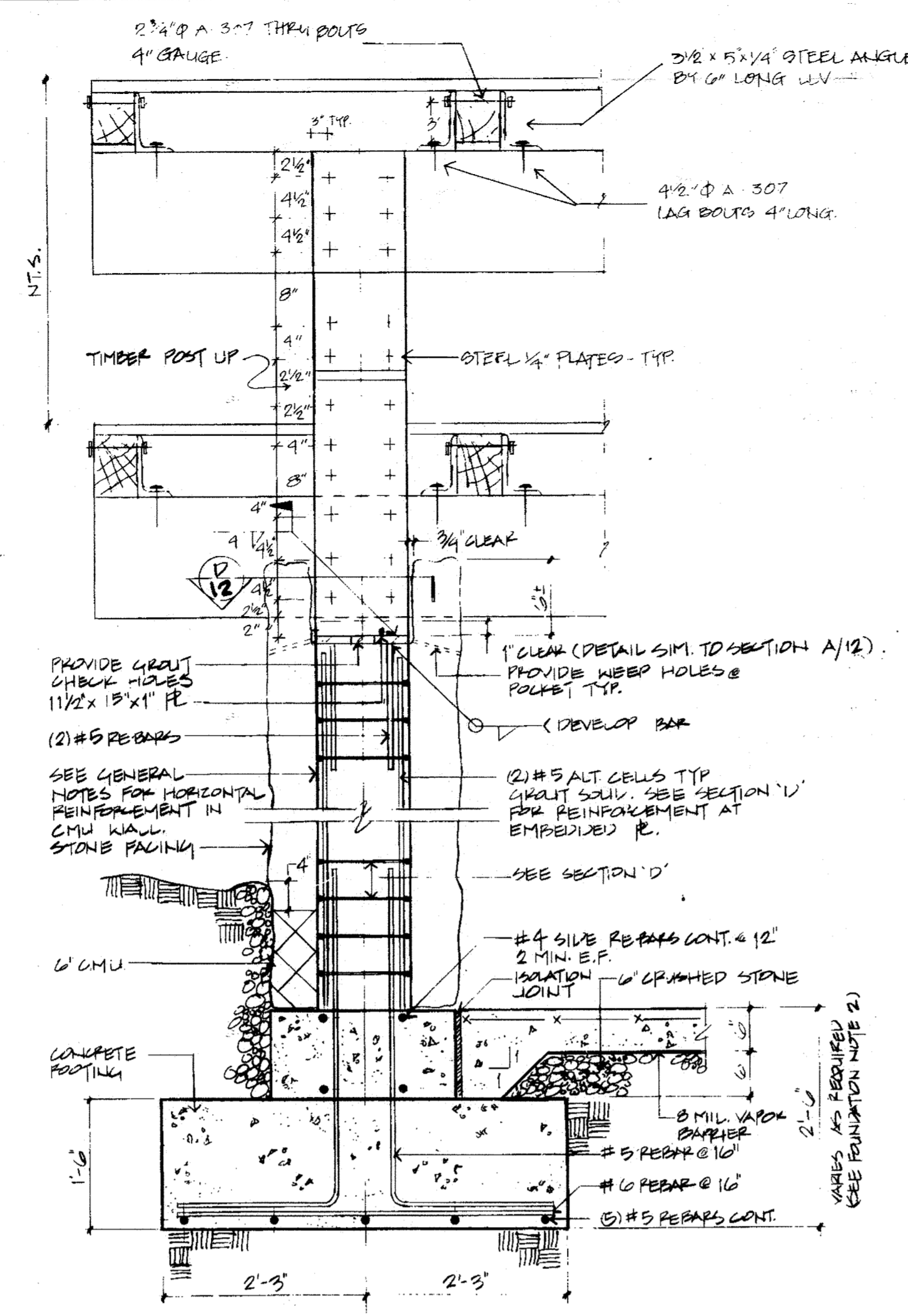
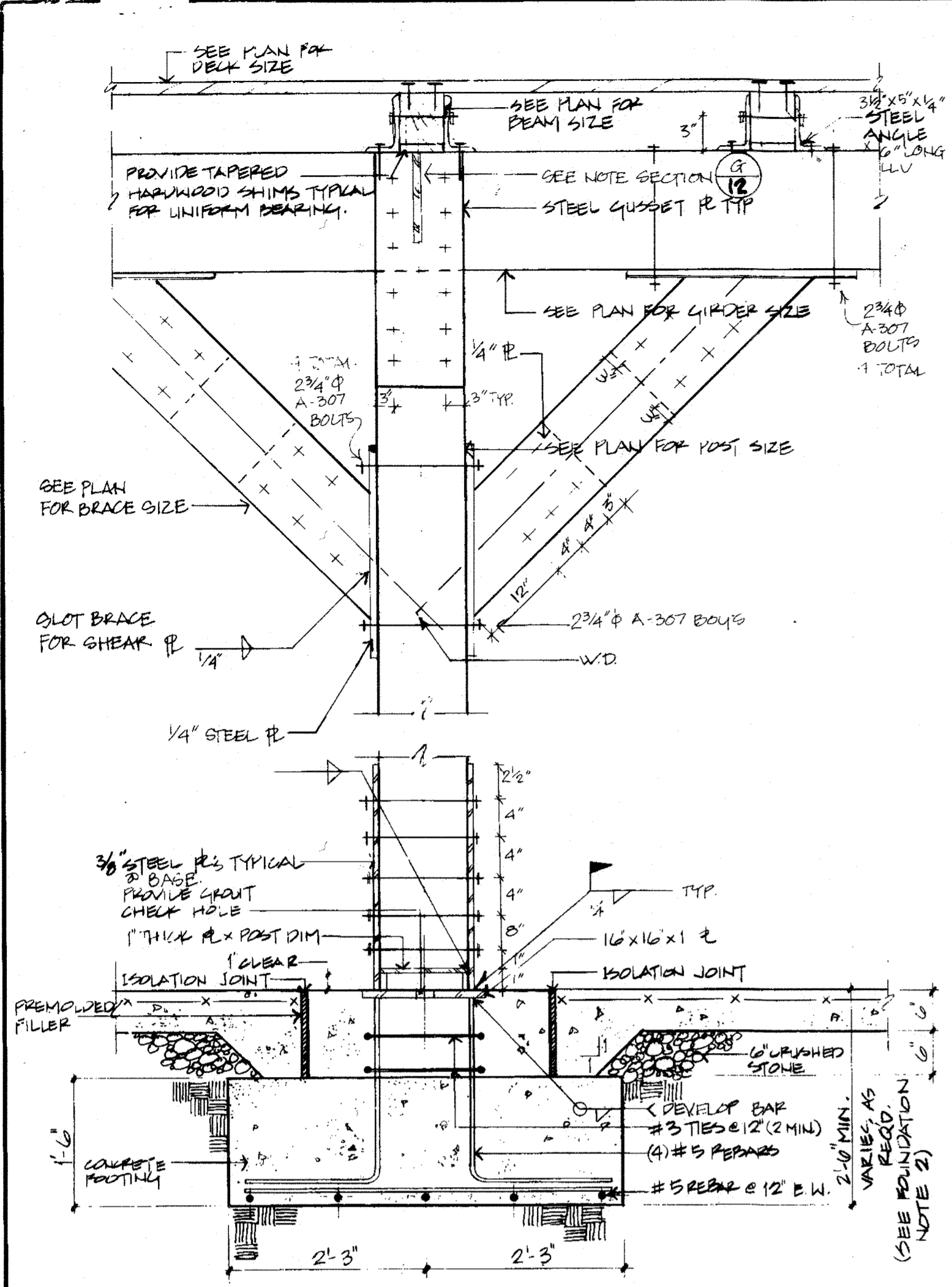
Owner: HOWARD COUNTY, D.P.W.  
3430 Court House Drive  
Ellicott City, MD 21043 Phone (301) 992-2040

**Hammond Community Park**  
Capital Project N-3024

Hammond Park  
Murray Hill Plat No. 4991-4995, 4997, 5187, 5231-5233, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Lber 443, Folio 97  
6th Election District

Title: **PICNIC SHELTER**

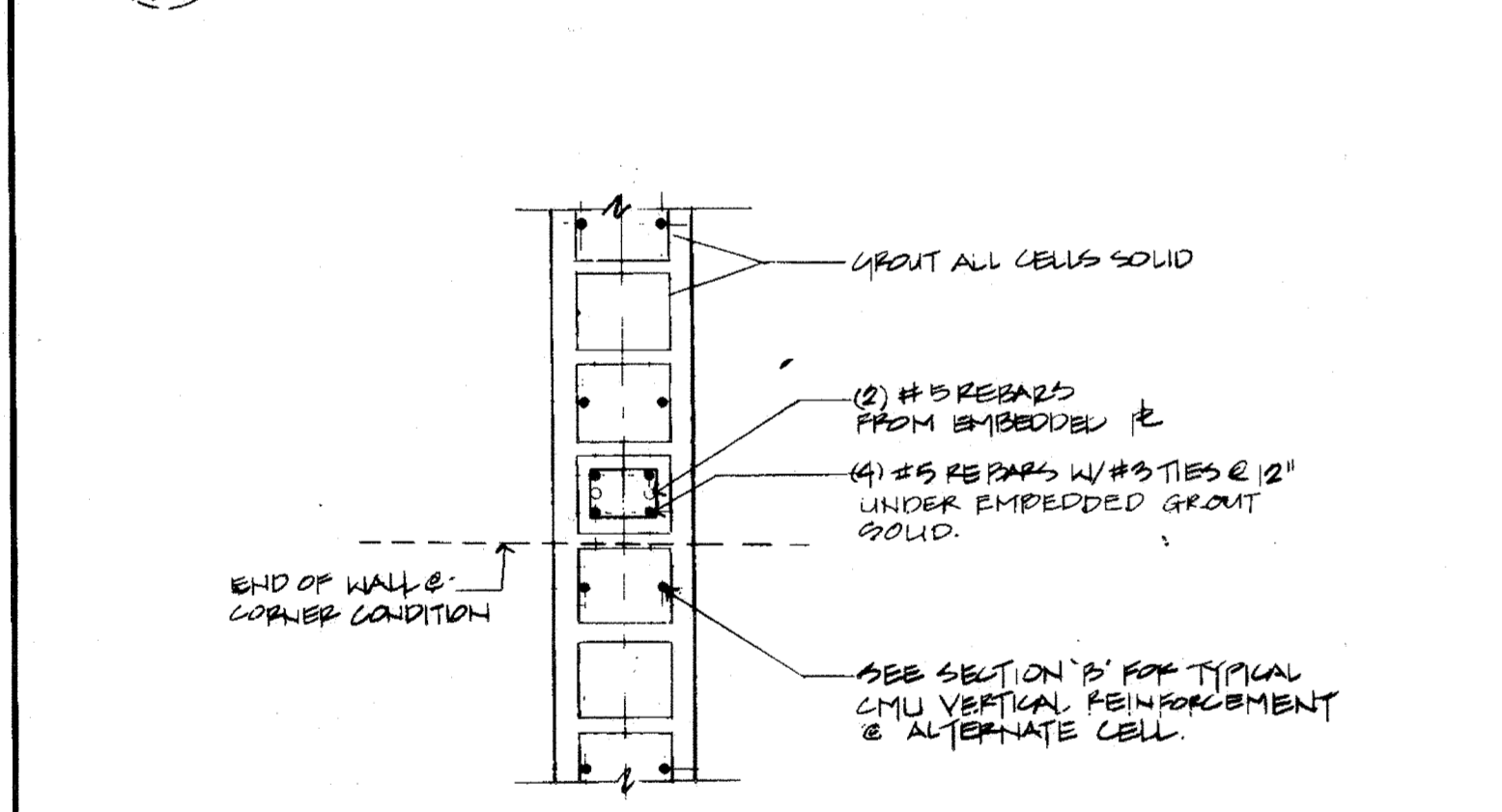
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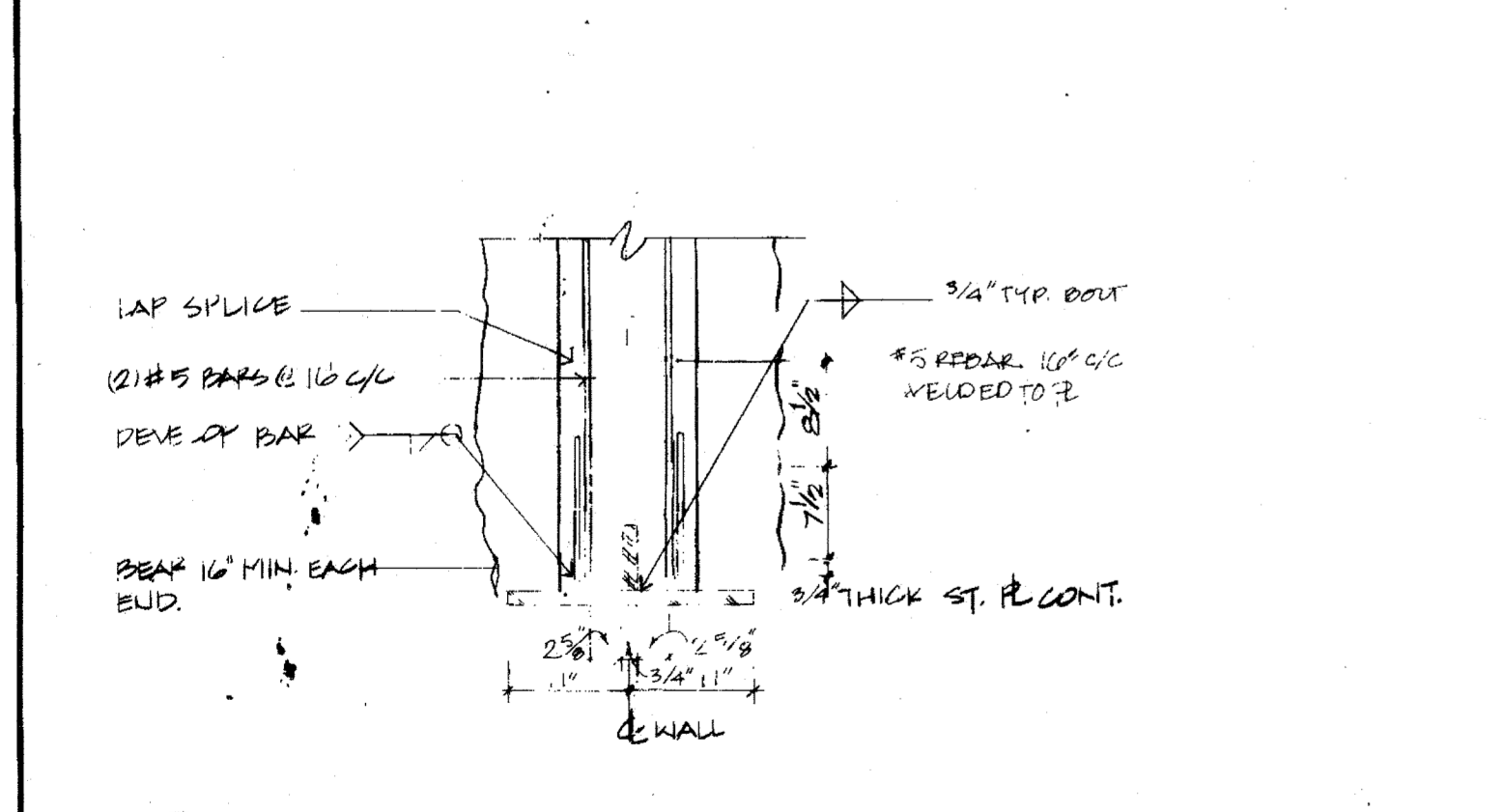
**GENERAL NOTES**

- CODES AND STANDARDS**
  - THE BOCA BASIC NATIONAL BUILDING CODE/1987.
  - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES - ANSI A58-1-1982.
  - BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE - ACI 318-83 - AMERICAN CONCRETE INSTITUTE.
  - SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS - ACI 301-84, AMERICAN CONCRETE INSTITUTE.
  - NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION - 1986 EDITION - NATIONAL FOREST PRODUCTS ASSOCIATION.
  - TIMBER CONSTRUCTION MANUAL - 3RD EDITION - AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.
- LOAD ASSUMPTIONS**
  - DEAD LOADS - ACTUAL WEIGHTS OF THE MATERIALS SHOWN ON DRAWINGS.
  - WIND LOAD
    - BUILDING WINDWARD PRESSURE . . . . . 18 PSF
    - BUILDING LEeward SUCTION . . . . . 12 PSF
    - ROOF MEMBERS SUCTION . . . . . 37 PSF
  - SOIL LOADS - AS PRESCRIBED BY GEOTECHNICAL REPORT LISTED IN SECTION C.
  - SNOW LOAD
    - HIGH ROOF . . . . . 30 PSF
    - LOW ROOF . . . . . 61 PSF
- FOUNDATIONS AND EARTHWORK**
  - SUBSURFACE INVESTIGATION AND REPORT BY: ATEC ASSOC., INC., MARYLAND, 1987.
  - FOOTINGS
    - ALL FOOTINGS SHALL BE PLACED ON VIRGIN SOIL WITH PRESUMPTIVE BEARING CAPACITY OF 2000 PSF.
    - FOOTINGS SHALL BE PLACED AT ELEVATIONS SHOWN UNLESS EXCAVATION DISCLOSES AN UNSATISFACTORY BED. IN WHICH CASE, FOOTINGS SHALL BE LOWERED TO A MORE SUITABLE BED. CHANGE IN ELEVATION MUST BE APPROVED BY THE ARCHITECT/ENGINEER.
    - BOTTOM OF ALL FOOTINGS SHALL BE 2'-0" MINIMUM BELOW FINISHED GRADE.
  - SLAB ON GRADE
    - SUBGRADE CRUSHED STONE DRAINAGE UNDER SLAB ON GRADE SHALL BE PLACED ON FILL COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D698) AS PER SOIL REPORT.
- CONCRETE**
  - MATERIALS**
    - FOOTINGS, PEDESTALS, SLAB ON GRADE . . . . . f<sub>c</sub>' 3500 PSI, DRY WT = 150 PCF
  - CONCRETE REINFORCEMENT**
    - REINFORCING BARS . . . . . ASTM A615-GRADE 60
    - WELDED WIRE FABRIC . . . . . ASTM A185
    - DETAILING . . . . . ACI 315 (LATEST ED.)
  - REINFORCEMENT PROTECTION**
    - CONCRETE PLACED AGAINST EARTH . . . . . 3"
    - CONCRETE PLACED AGAINST FORMS BUT EXPOSED TO EARTH OR WEATHER . . . . . 2"
  - SUBMIT REINFORCING STEEL SHOP DRAWINGS FOR ARCHITECT/ENGINEER REVIEW INDICATING ALL BAR SIZES, LENGTHS, AND BENDS AS INDICATED ON STRUCTURAL DRAWINGS.
  - SUBMIT DRAWING SHOWING LOCATION OF ALL REQUIRED AND PROPOSED CONSTRUCTION JOINTS WITH REINFORCING STEEL SHOP DRAWINGS FOR ENGINEER'S APPROVAL.
  - SPLICES OF REINFORCEMENT SHALL NOT BE MADE EXCEPT AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER. MAKE ALL BARS CONTINUOUS AROUND CORNERS. WHERE PERMITTED, SPLICES SHALL BE MADE BY CONTACT LAPS A MINIMUM OF 30 BAR DIAMETERS, UNLESS NOTED OTHERWISE.
  - ADMITURES CONTAINING CALCIUM CHLORIDE SHALL NOT BE PERMITTED.
  - PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCEMENT AT POSITIONS SHOWN ON THE PLANS.
  - SLABS AND BEAMS SHALL NOT HAVE JOINTS IN A HORIZONTAL PLANE. ANY STOP IN CONCRETE WORK MUST BE MADE AT CENTER OF SPAN OR AT CENTER OF SUPPORT WITH VERTICAL BULKHEADS AND HORIZONTAL KEYS, UNLESS OTHERWISE SHOWN. ALL CONSTRUCTION JOINTS SHALL BE AS DETAILED OR AS APPROVED BY THE ARCHITECT.
  - ALL STIRRUPS SHALL HAVE 2-#4 SPACERS FOR LENGTH OF STIRRUP SPACING.
  - WIRE MESH REINFORCEMENT MUST LAP ONE FULL MESH AT SIDE AND END LAPS, AND SHALL BE WIRED TOGETHER.
  - NO WELDING OF REINFORCING SHALL BE PERMITTED UNLESS SPECIFICALLY CALLED FOR OR APPROVED BY THE STRUCTURAL ENGINEER.
  - ALL CONCRETE SHALL BE AIR ENTRAINED.
- MASONRY**
  - MATERIALS**
    - MINIMUM f<sub>m</sub>' - 1350 PSI - SPECIAL INSPECTION IS REQ. AS NOTED ON PLANS AND DETAILS
    - HOLLOW CMU . . . . . ASTM E90, GRADE 1, TYPE 1
    - MORTAR . . . . . ASTM C270, TYPE S
    - GROUT . . . . . ASTM C476
    - REINFORCING . . . . . ASTM A615, GRADE 60
    - REINFORCING BARS . . . . . ASTM A615, GRADE 60
    - BOND BREAKER STRIPS . . . . . ASTM D226, 15# ASPHALT ROOFING FELT
  - GALVANIZED MASONRY TIES - SEE NOTE 10
  - REINFORCE MASONRY WALLS WITH STANDARD TRUSS-TYPE REINFORCING AT 16" O.C. VERTICAL. INSTALL MASONRY REINFORCING IN TWO CONSECUTIVE COURSES ABOVE AND BELOW OPENINGS IN WALLS. EXTENDING NOT LESS THAN 3'-0" BEYOND EDGE OF OPENING. PROVIDE PREFABRICATED TEE AND CORNERS AT WALL INTERSECTIONS.
  - ALL VERTICAL REINFORCING IN MASONRY WALLS SHALL BE FULL GROUTED IN PLACE USING HIGH LIFT GROUTING TECHNIQUES. SEE DRAWING FOR SIZE AND SPACING.
  - FILL ALL VOIDS AND BLOCK CELLS SOLIDLY WITH GROUT.
  - NO SPLICES IN REINFORCING BARS SHALL BE MADE EXCEPT AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER.
  - ALL SPLICES IN REINFORCING SHALL BE LAPPED 40 BAR DIAMETERS.
  - WALLS SHALL BE TEMPORARILY SHORED AND SECURELY BRACED UNTIL FLOOR OR ROOF SYSTEM HAS BEEN ANCHORED THERETO.
  - PROVIDE STEEL BEARING PLATES AS INDICATED AT ELEVATIONS SHOWN. UTILIZE GROUT CHECK HOLES TO ELIMINATE ANY VOIDS BELOW PLATES. PROVIDE UNIFORM BEARING BETWEEN PLATES AND GROUT.
  - PROVIDE GALVANIZED MASONRY TIES BETWEEN CMU AND FACE STONE. GAGE AND SPACING OF TIES SHALL BE ADEQUATE FOR 55 PSF SUCTION. MAXIMUM SPACING SHALL BE 16" VERTICAL AND 24" HORIZONTAL (STAGGERED).
  - PROVIDE LOOSE LINTEL OVER DOOR AS INDICATED ON THE DRAWINGS.
- GENERAL**
  - ELEVATIONS INDICATED ON THE DRAWINGS ARE TO TOPS OF ELEMENTS.
  - THIS PROJECT HAS BEEN DESIGNED FOR THE WEIGHTS OF THE MATERIALS INDICATED ON THE DRAWINGS AND FOR THE LIVE LOADS INDICATED IN THE DESIGN DATA. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ALLOWABLE CONSTRUCTION LOADS AND TO PROVIDE PROPER DESIGN AND CONSTRUCTION OF FALSEWORK, FORMWORK, STAGING, BRACING, SHEETING, SHORING, ETC.
  - PRIOR TO CONSTRUCTION, VERIFY ALL STRUCTURAL ELEVATIONS AND DIMENSIONS WITH EXISTING CONDITIONS AND WITH OTHER PROJECT DRAWINGS; COORDINATE LOCATION OF SLEEVES AND OPENINGS THROUGH THE STRUCTURE, INSERTS, AND OTHER RELATED ITEMS.
  - CONTRACTOR SHALL REFER TO ARCHITECTURAL, SITE, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS, SLEEVES, INSERTS, ETC.
  - ALL DIMENSIONS AND ELEVATIONS OF EXISTING STRUCTURES SHOWN ON THE DRAWINGS ARE OBTAINED FROM AVAILABLE SOURCES, AND ARE NOT GUARANTEED TO BE TRUE AND EXACT. THE GENERAL CONTRACTOR SHALL VERIFY THESE DIMENSIONS AND ELEVATIONS BY ACTUAL FIELD MEASUREMENTS PRIOR TO FABRICATION OF ANY MATERIALS AND START OF CONSTRUCTION WORK, AND REPORT ANY DISCREPANCIES TO ARCHITECT/ENGINEER FOR CORRECTIVE MEASURES.

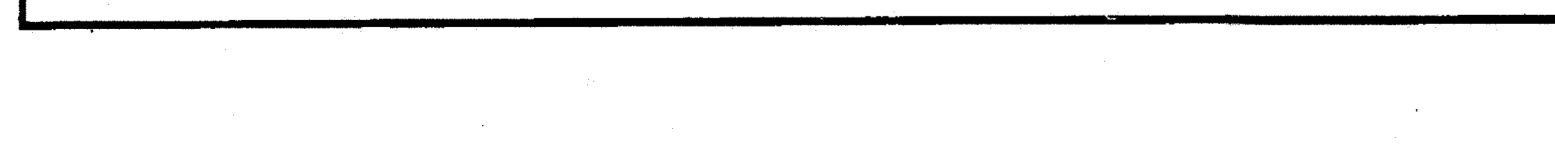
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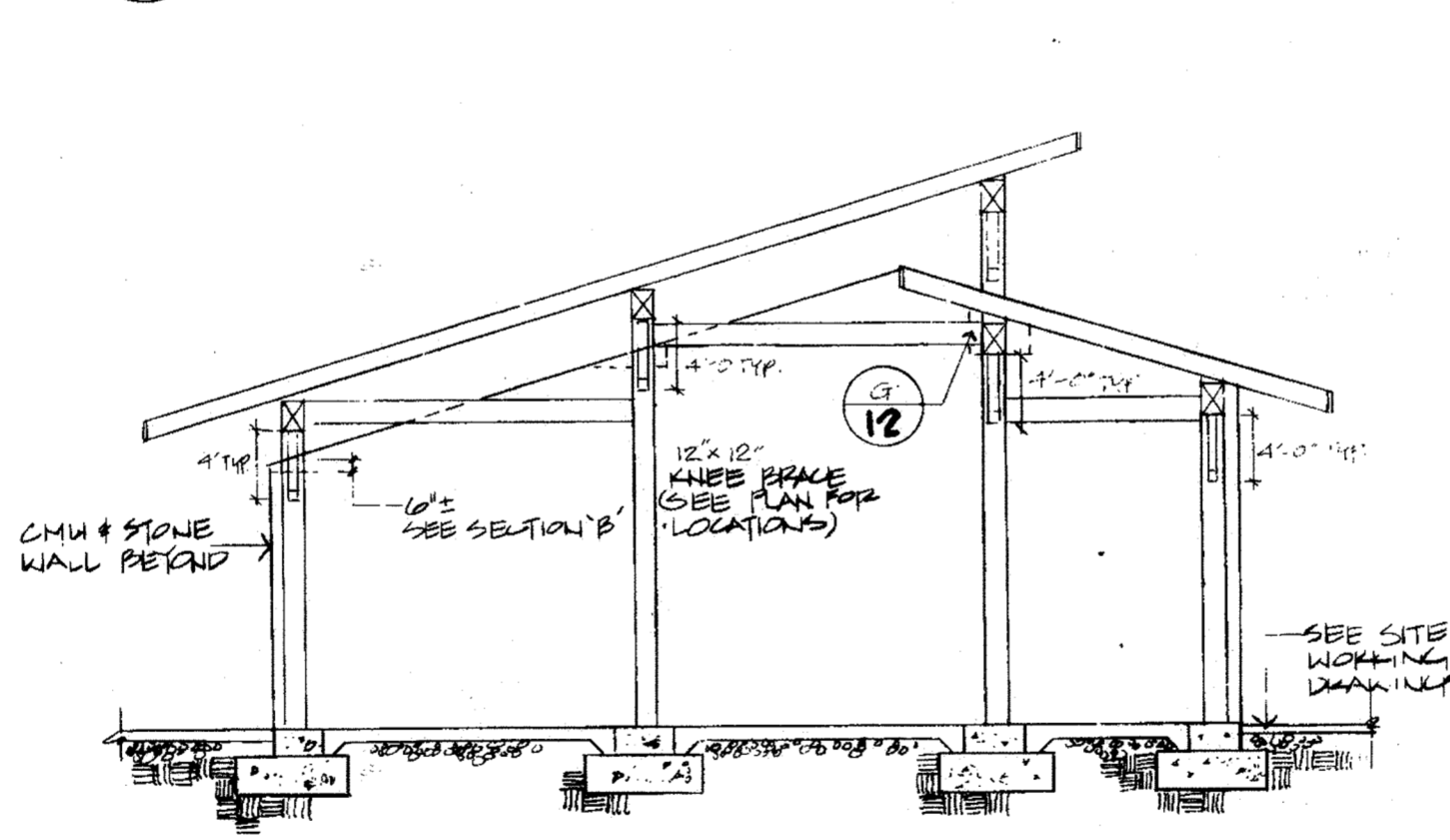
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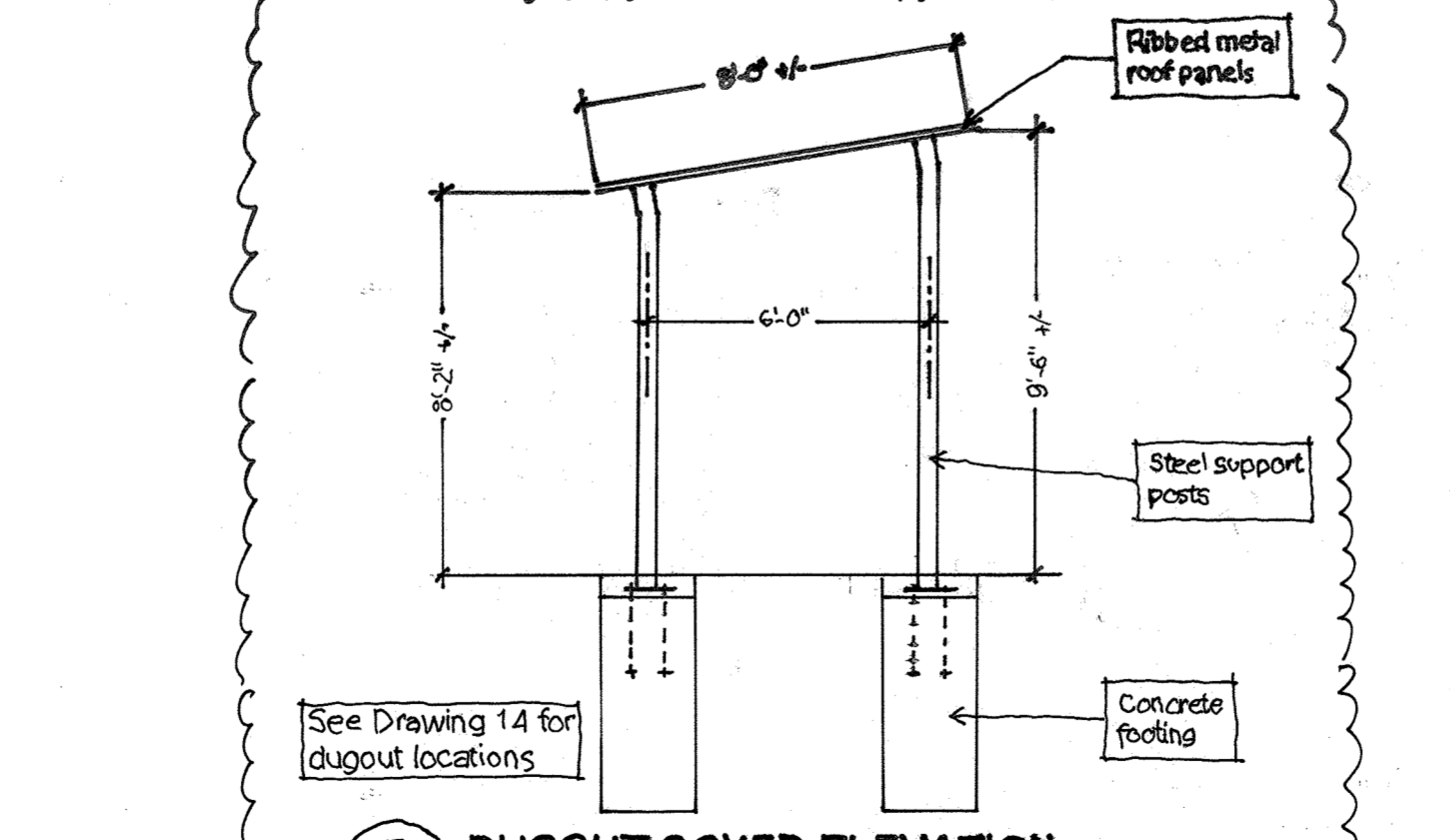
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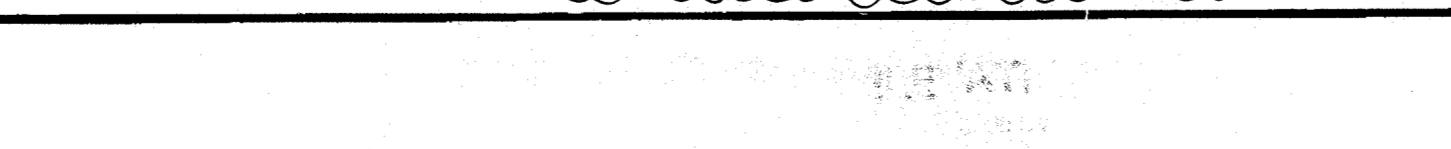
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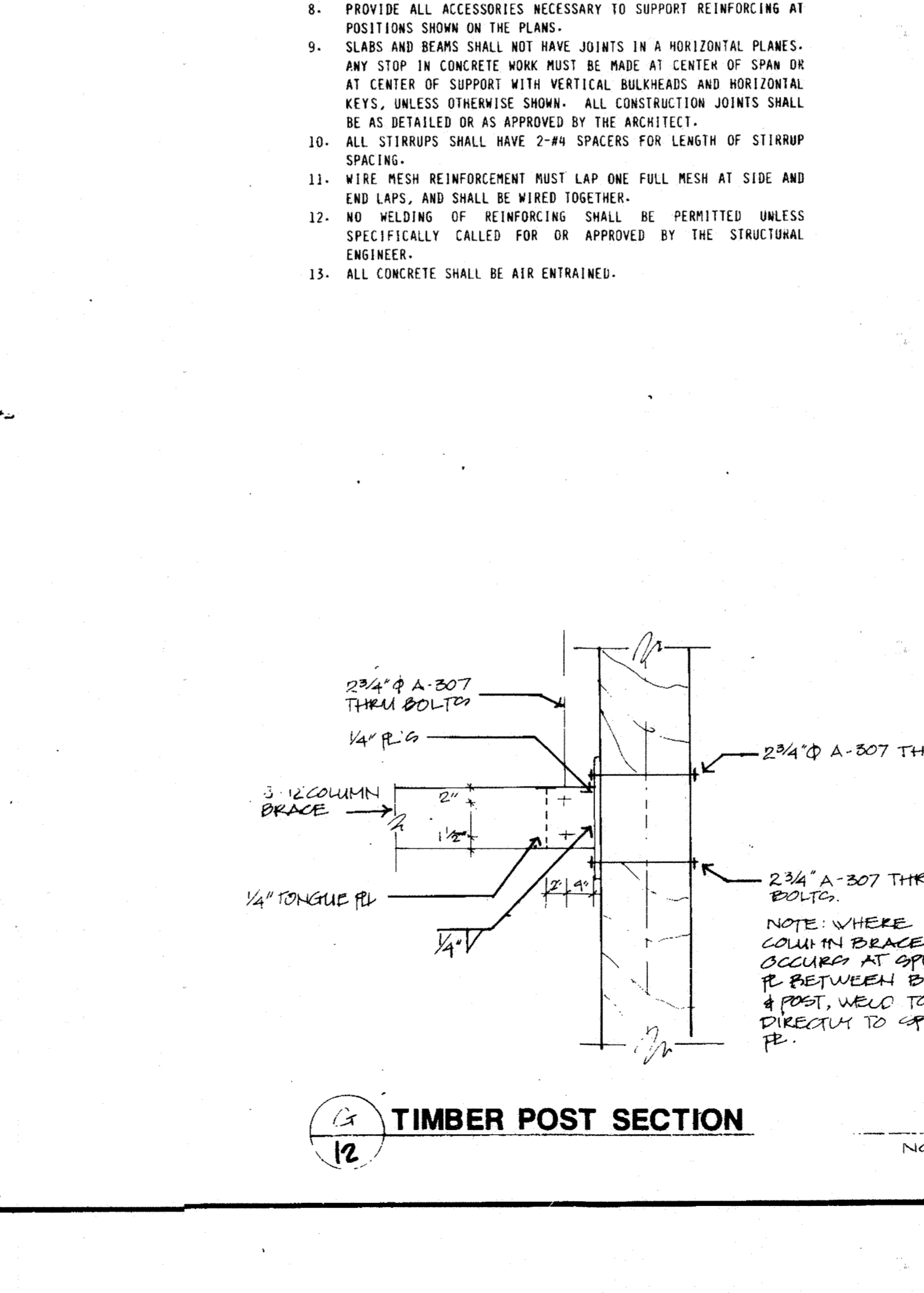
**C SECTION**  
SCALE: 1/2" = 1'-0"



**F DUGOUT COVER ELEVATION**  
SCALE: 1/4" = 1'-0"



**G TIMBER POST SECTION**  
NOT TO SCALE



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James M. Hill* 2-23-90  
Director Date

*William J. Kelly* 2-23-90  
Chief, Bureau of Engineering Date

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*James M. Hill* 2-23-90  
County Health Officer Date

APPROVED: HOWARD COUNTY  
DEPARTMENT OF PLANNING & ZONING

*Frank A. Langley* 2-23-90  
Planning Director Date

*Frank A. Langley* 2-23-90  
Chief, Division of Community Planning and Land Development Date

Seal for REVIEW  
REVISIONS ONLY

DATE	BY	DESCRIPTION
2/23/90	JLT	DUGOUT COVERS

*Frank A. Langley* 2/23/90

**Dewberry & Davis**  
Engineers Architects Planners Surveyors  
2504 Riva Road, Annapolis, MD 21401  
(301) 841-6811

*Frank A. Langley* 2/23/90

**Hammond Community Park**  
Capital Project N-3024

Hammond Park  
Murray Hill Plat No. 4991-4995, 4997-5187,  
5231-5233, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

**PICNIC SHELTER DETAILS**

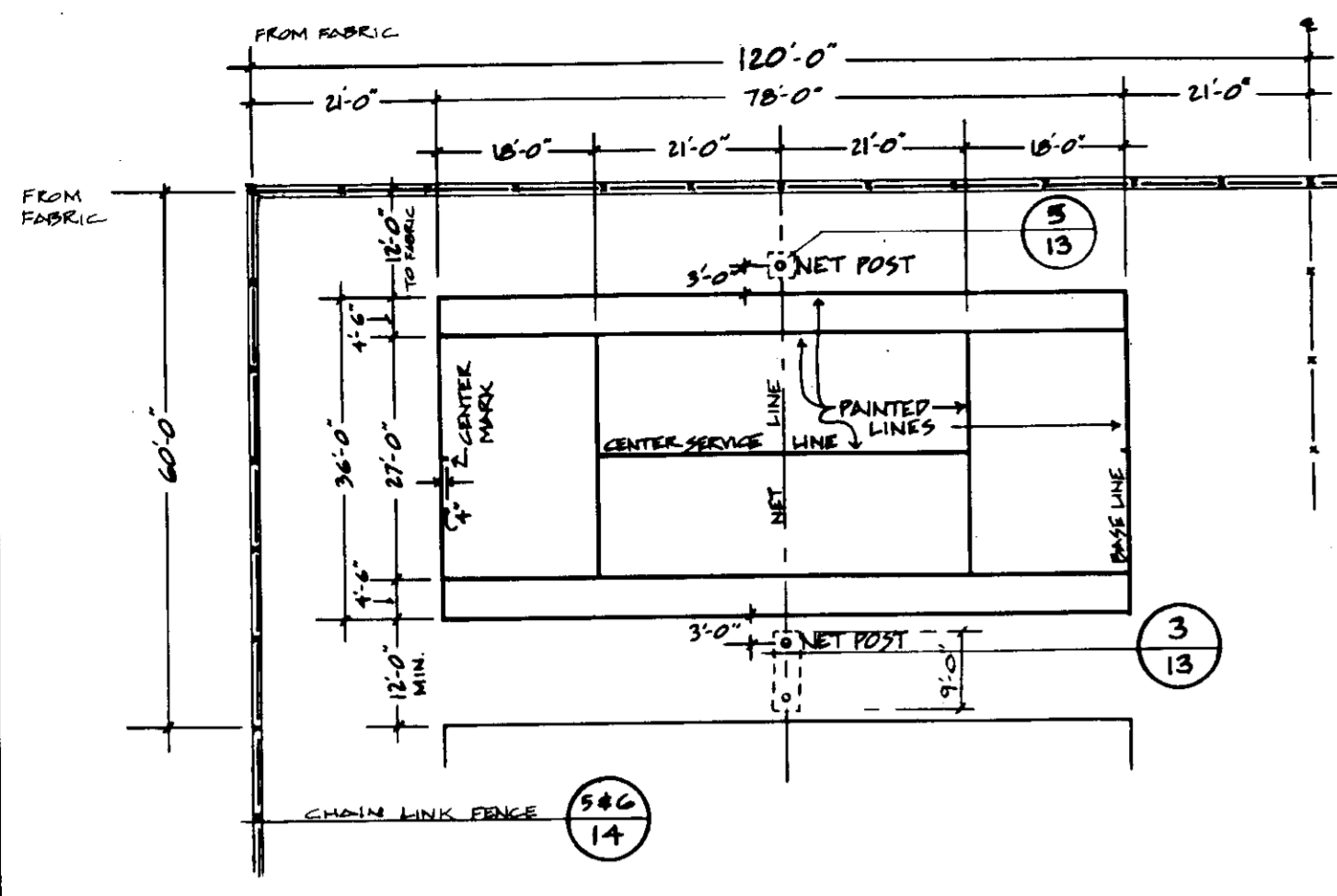
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Designer: E. NIGHTMAN & BY OTHERS Drafter: N. HILL

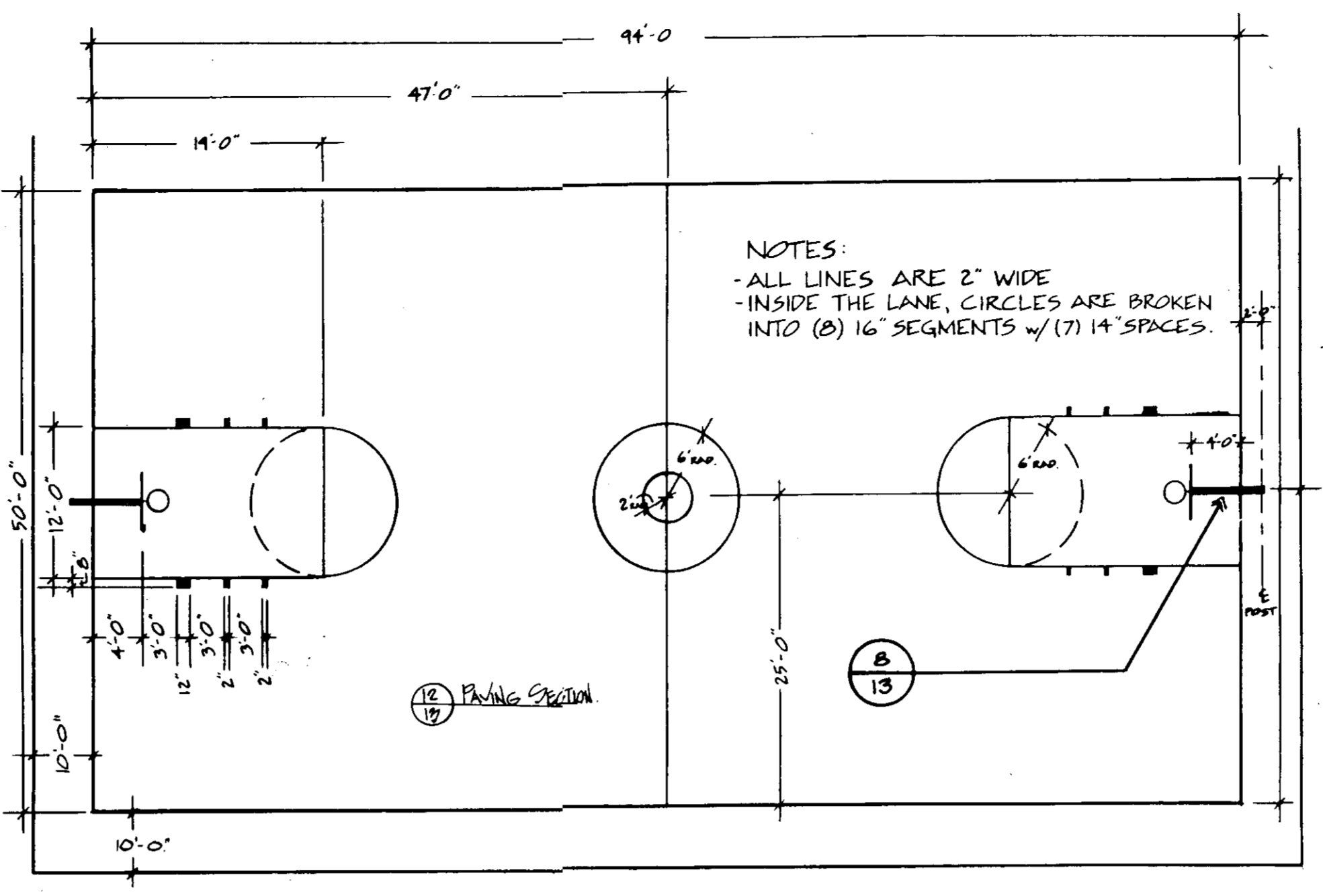
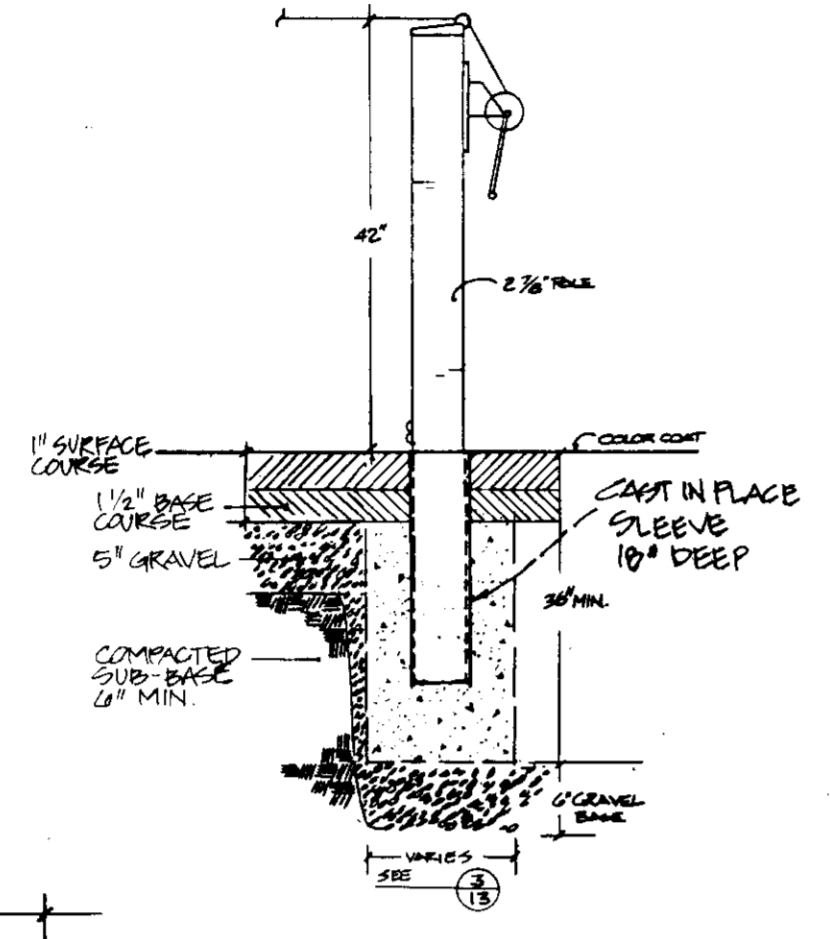
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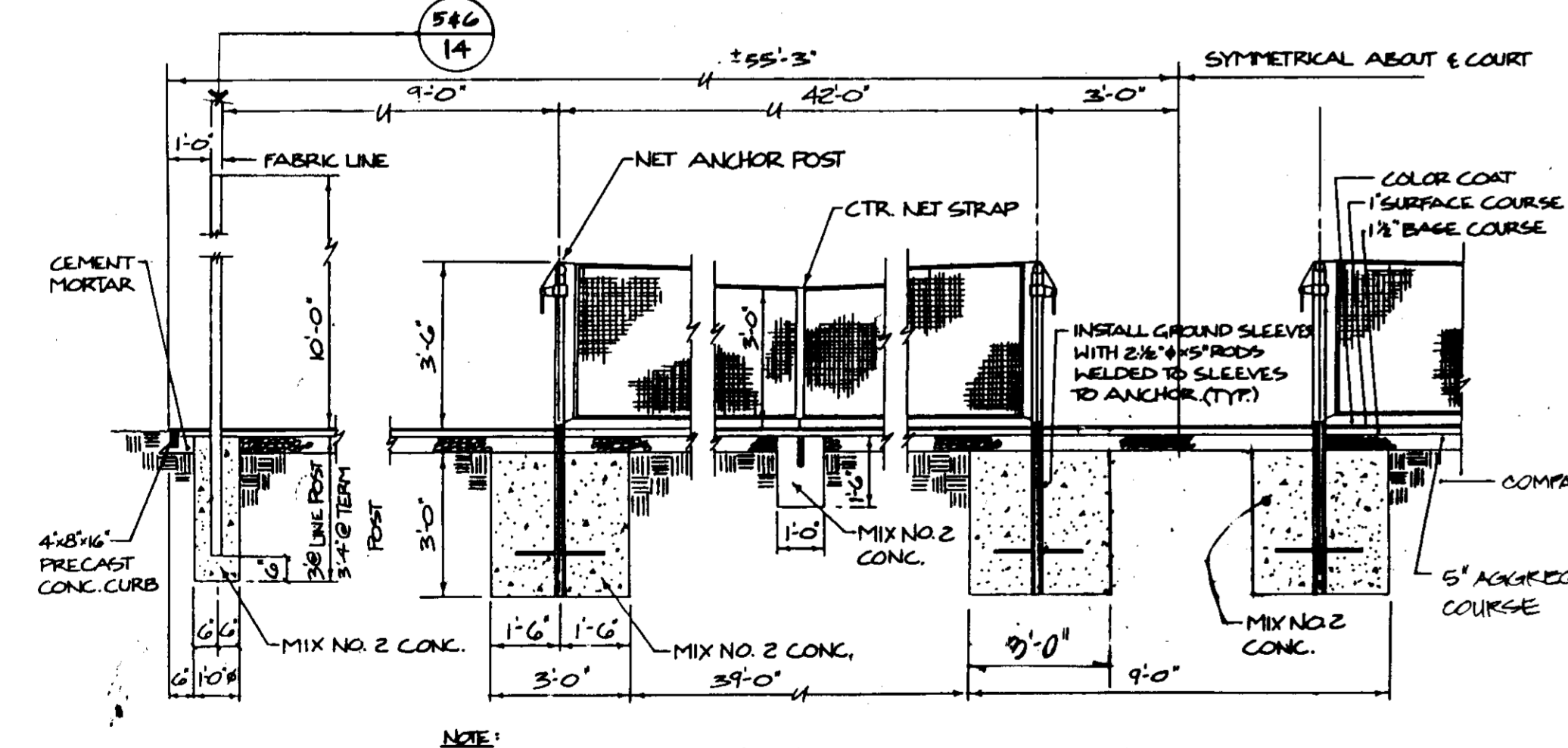
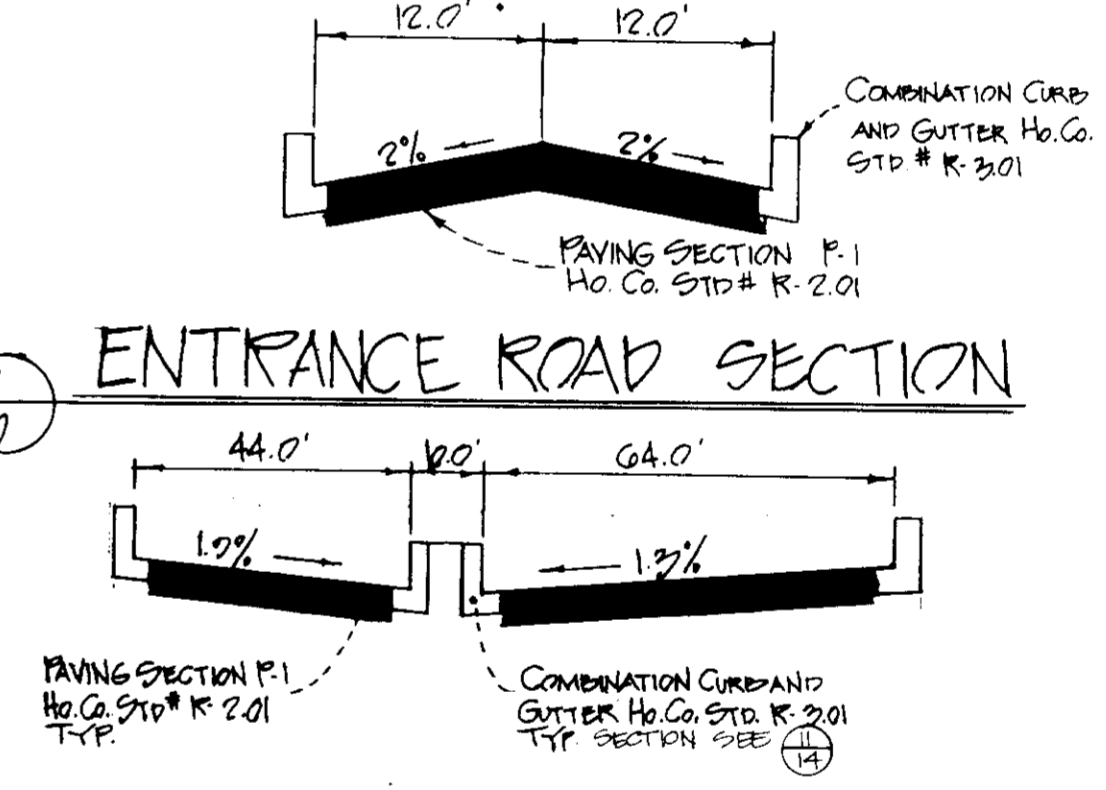
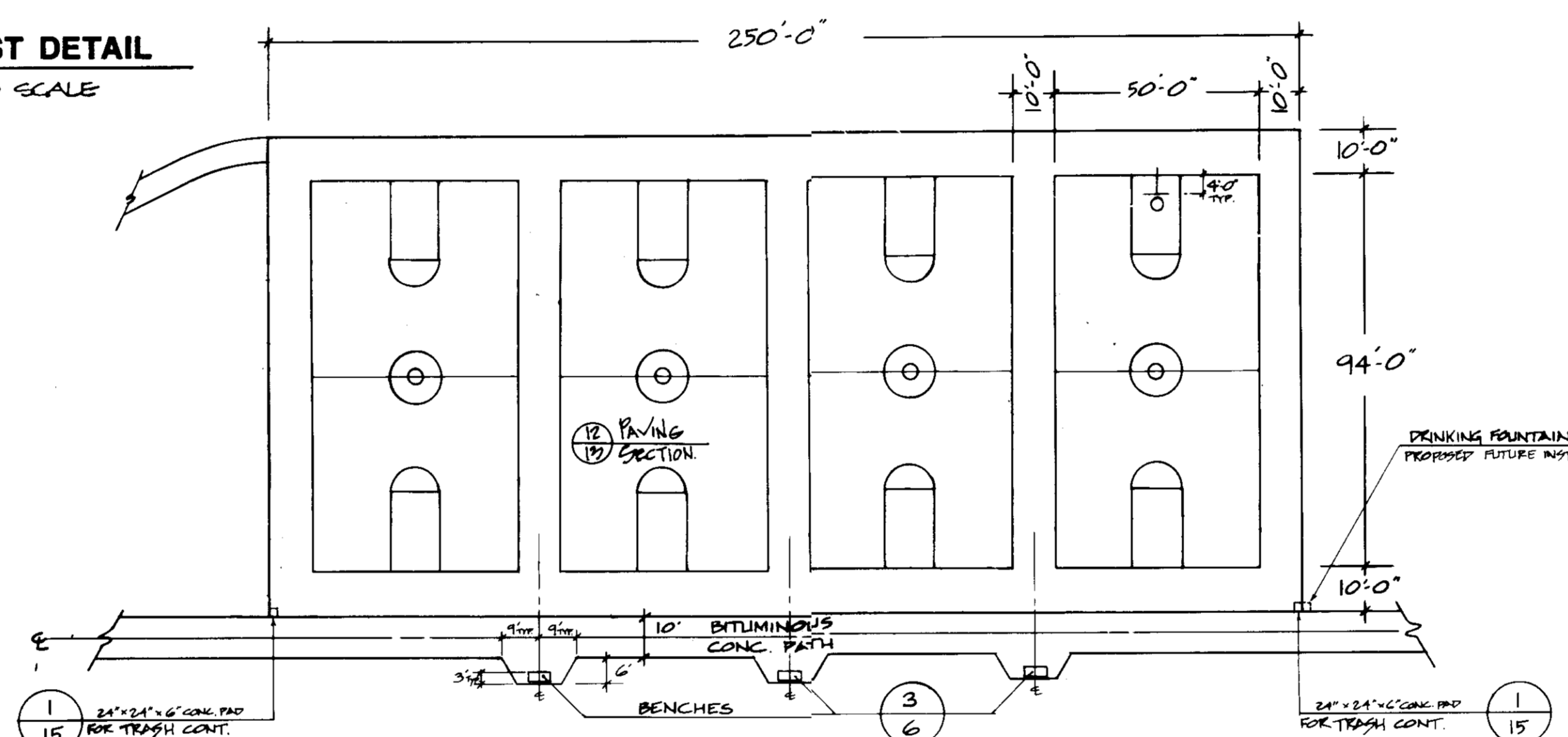
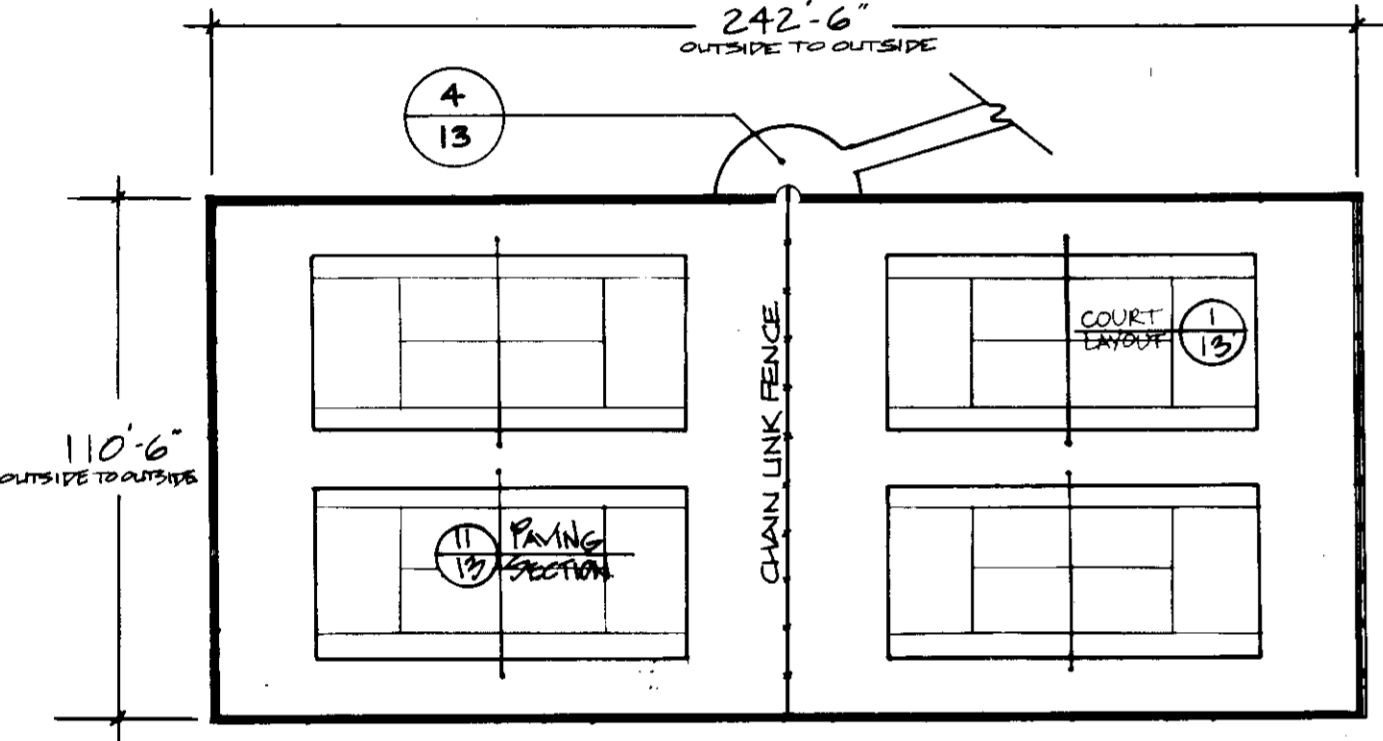
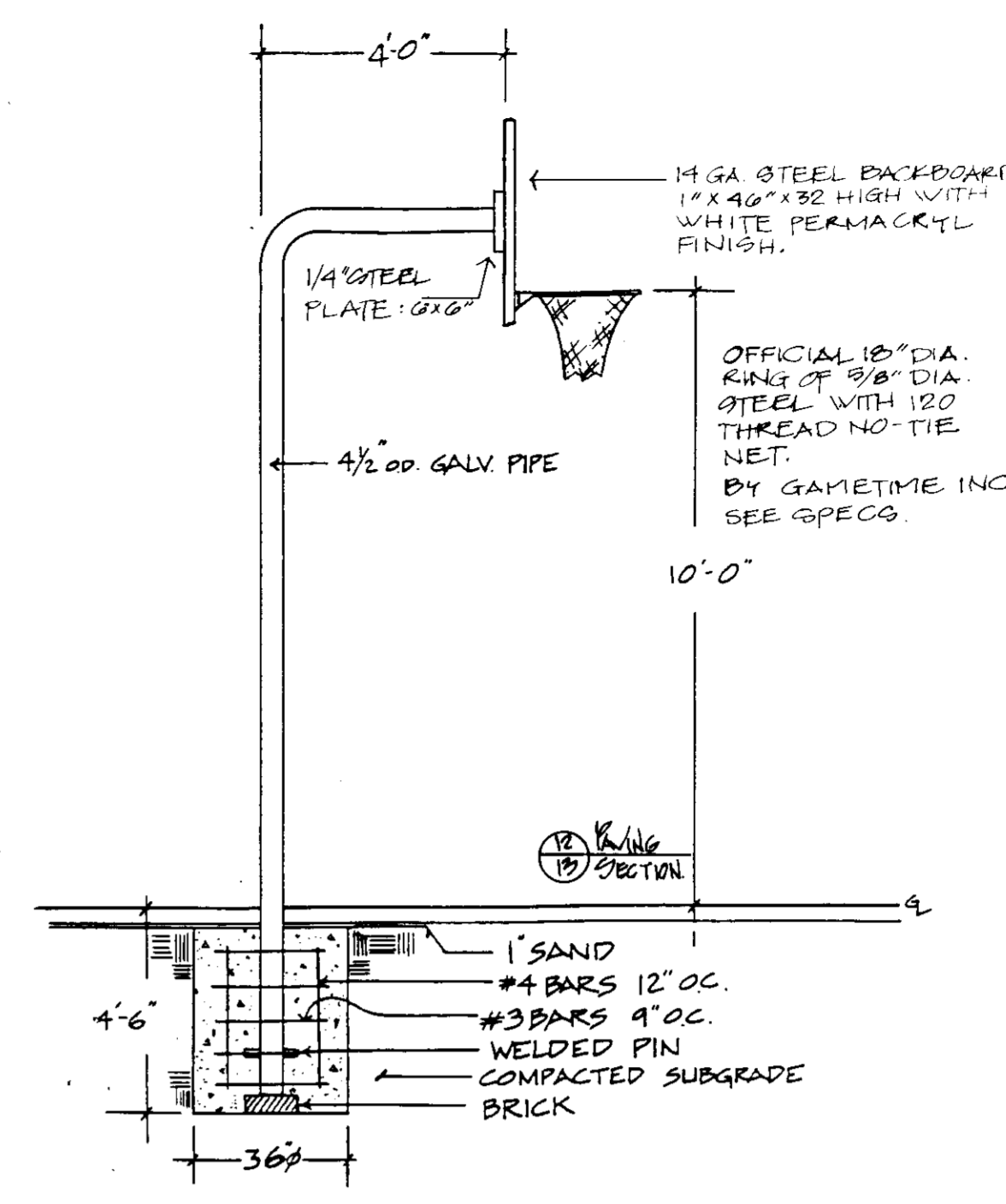
1602



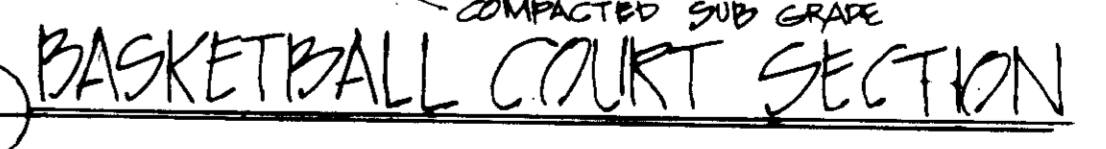
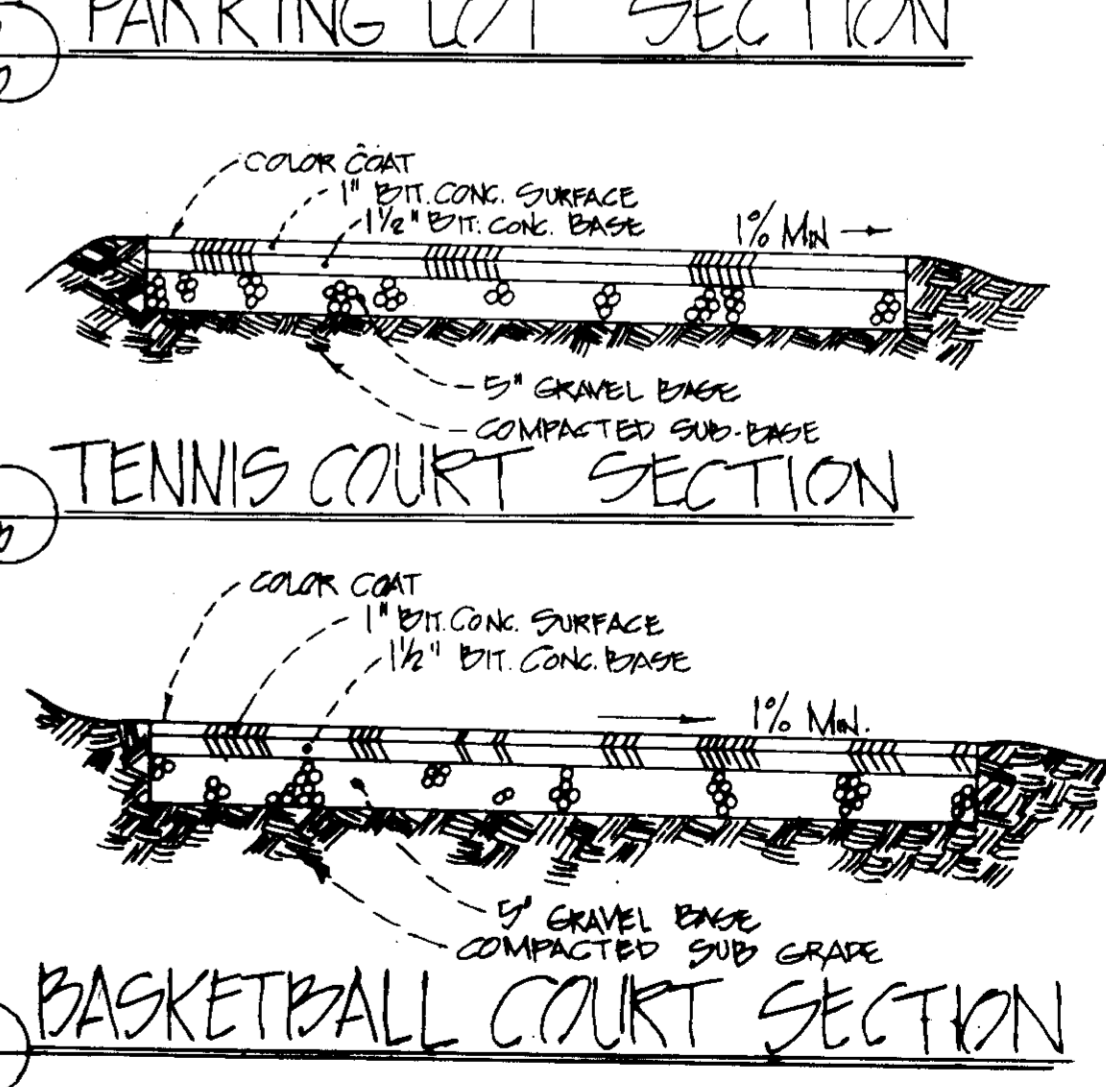
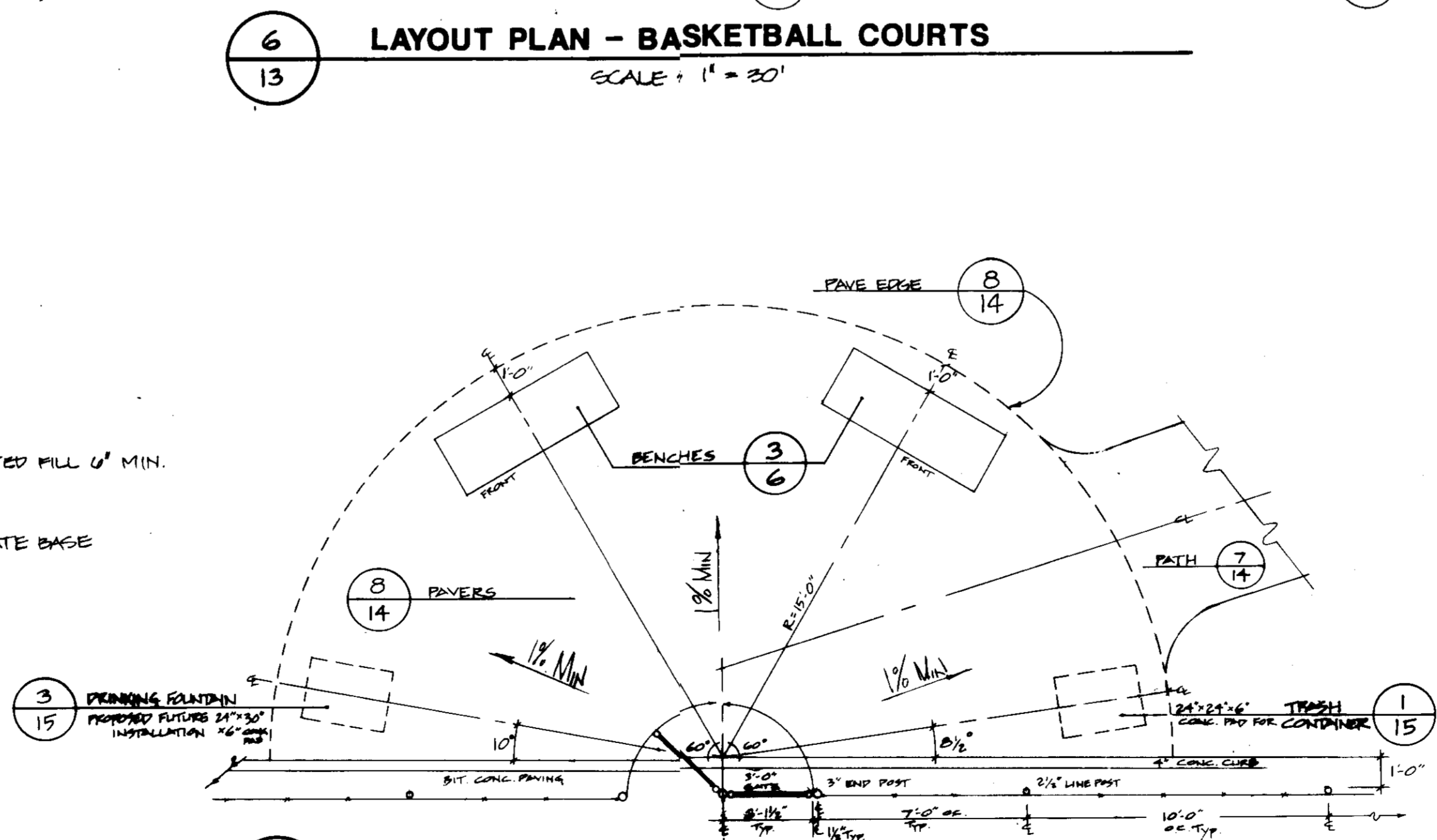
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 ALL MEASUREMENTS FOR COURT MARKINGS ARE TO THE OUTSIDE OF LINES EXCEPT FOR THOSE INVOLVING THE CENTER SERVICE LINE WHICH IS EQUALLY DIVIDED BETWEEN THE RIGHT AND LEFT SERVICE COURTS.  
 ALL COURT MARKINGS ARE TO BE 2" WIDE.



NOTES:  
 - ALL LINES ARE 2" WIDE  
 - INSIDE THE LANE, CIRCLES ARE BROKEN INTO (8) 16" SEGMENTS w/ (7) 14" SPACES.



NOTE: SLEEVE SHALL BE SIZED TO FIT SNUG AROUND NET POST AND SHALL HAVE THREADED CAPS WHICH FIT FLUSH WITH FINISHED GRADE.

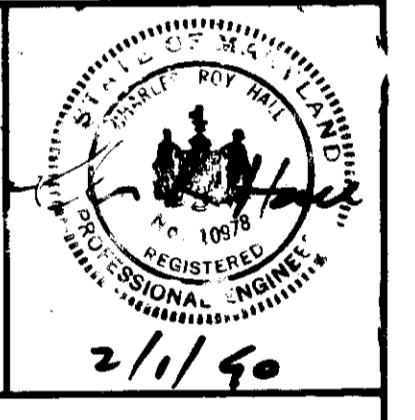


APPROVED FOR PUBLIC WATER AND PUBLIC BEVERAGE SYSTEMS  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Director: *James J. ...* 2-23-90  
 Chief, Bureau of Engineering: *...* 2-7-90

APPROVED FOR PUBLIC WATER AND PUBLIC BEVERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 Health Officer: *...* 2-27-90

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
 Planning Director: *...* 2-27-90  
 Chief, Division of Community Planning and Land Development: *...* 2-5-90

REVISIONS		
DATE	BY	DESCRIPTION
4/30	EMC	LABEL FENCE DETAIL 2/3



**Dewberry & Davis**  
 Engineers Architects Planners Surveyors  
 2594 Riva Road, Annapolis, MD 21401  
 (301) 941-6611

Owner: HOWARD COUNTY D.P.W.  
 3430 Court House Drive  
 Elkridge City, MD 21043 Phone (301) 992-3040

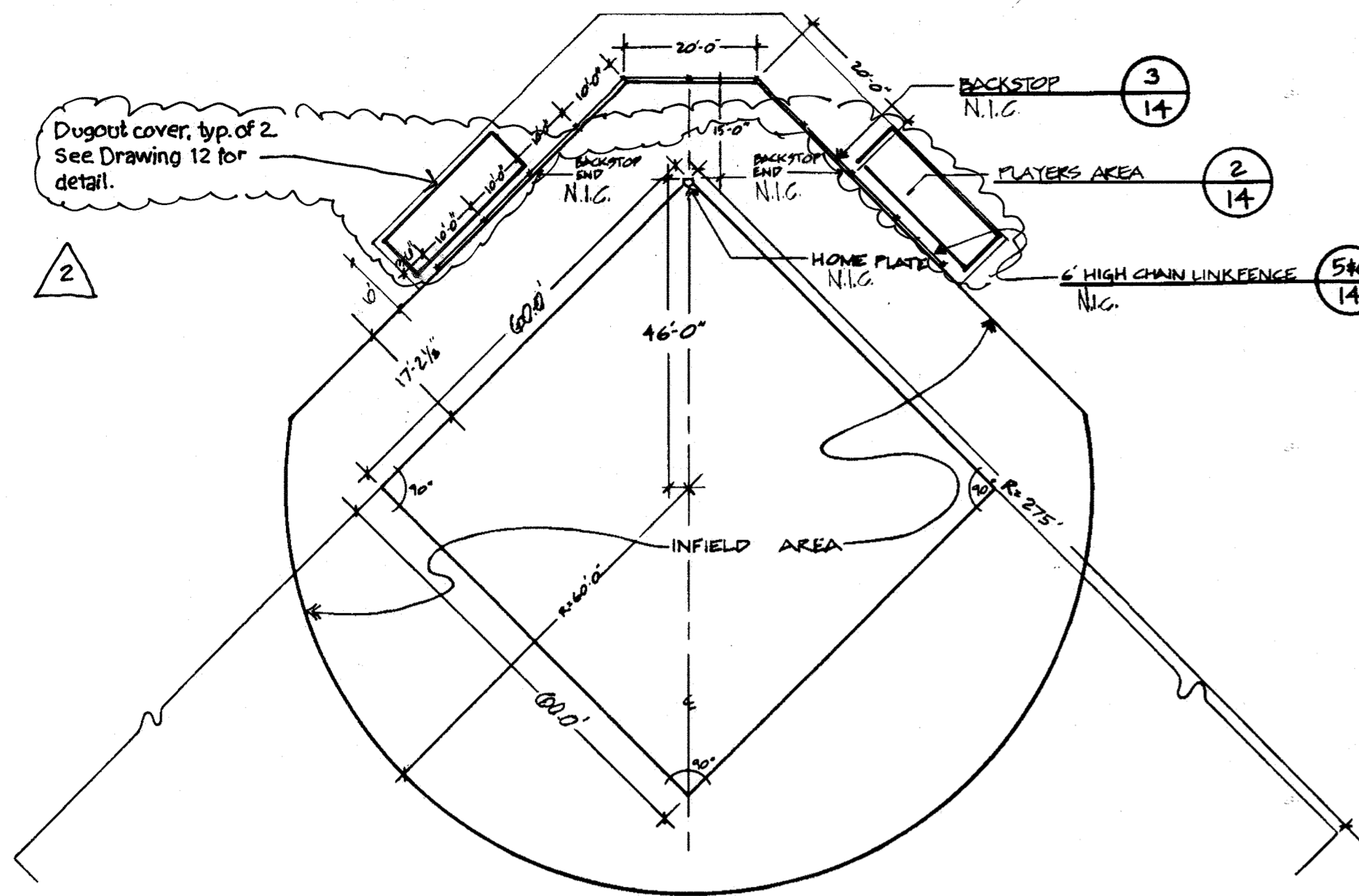
**Hammond Community Park**  
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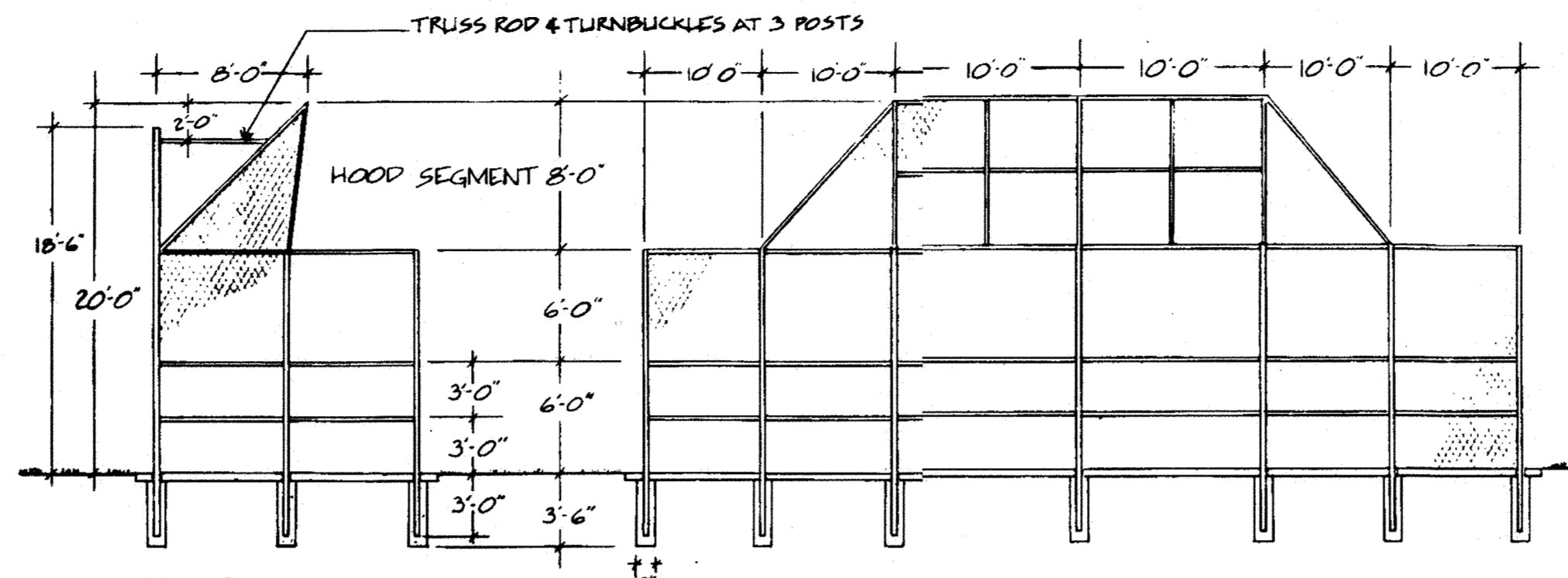
Title: **COURT GAMES**

Date: DECEMBER 20, 1989	Drawing Number:
Designer: BKELLY & BY OTHERS	Drafter: BKELLY & BY OTHERS
Scale: AS NOTED	Checked by: <i>...</i>
	13

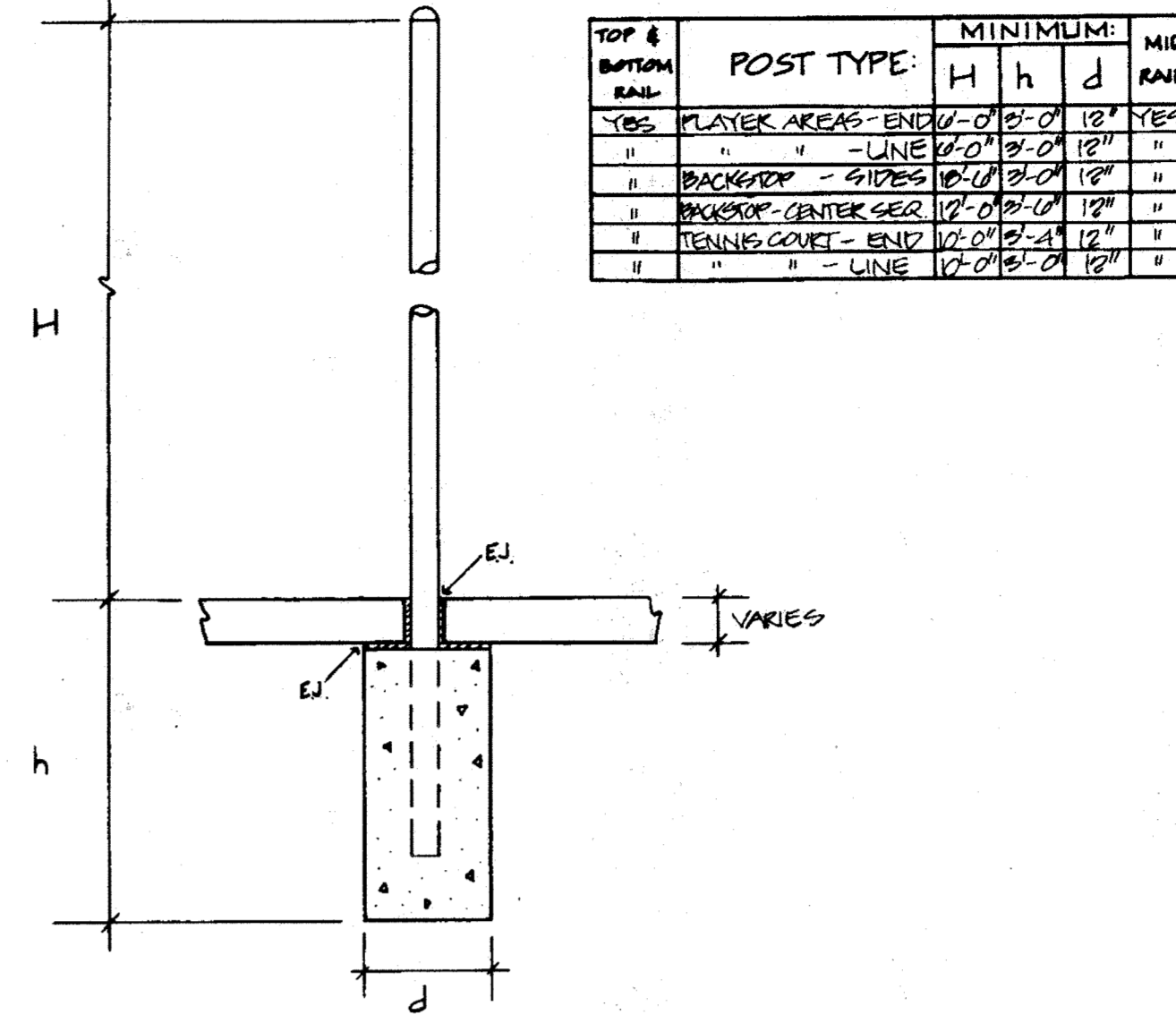
1602



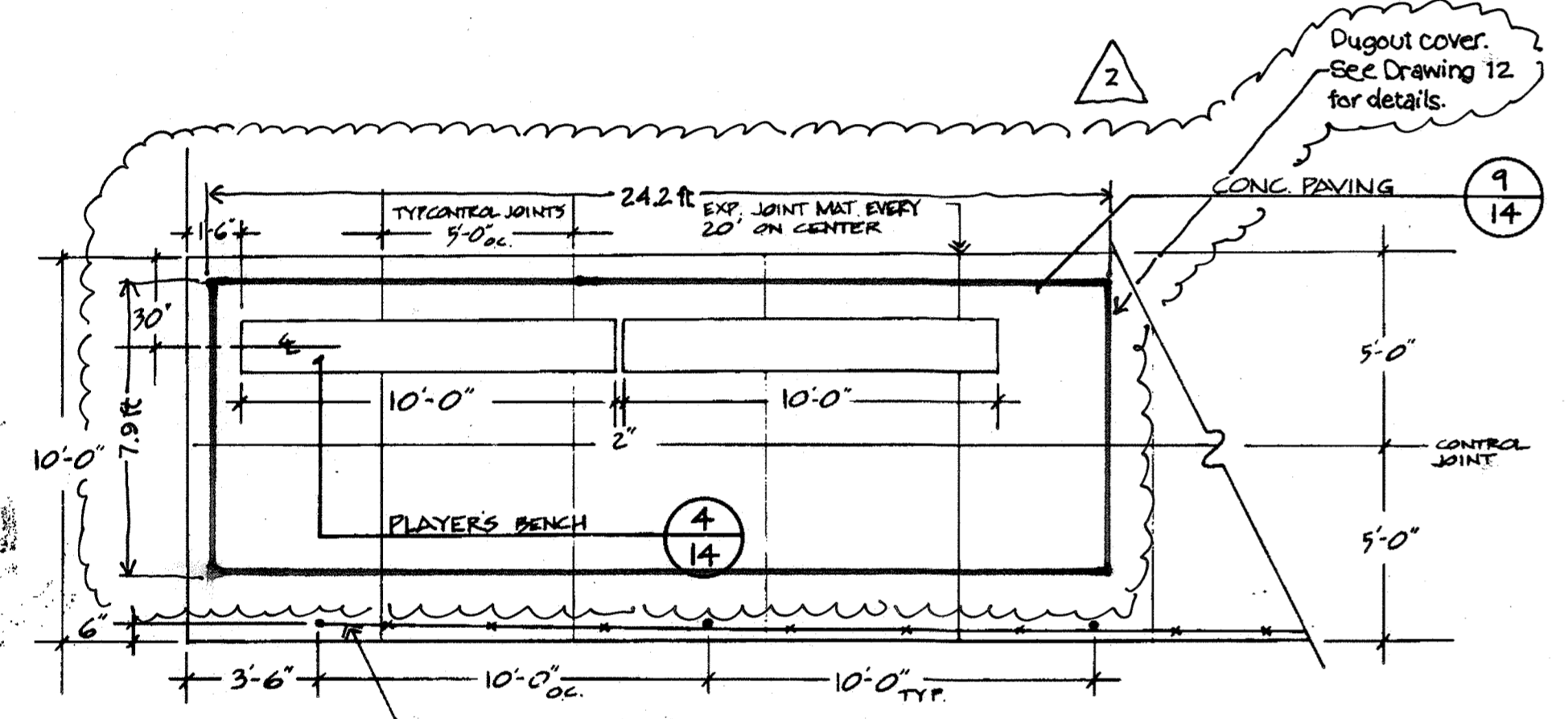
1 SOFTBALL FIELD LAYOUT  
14 NOT TO SCALE



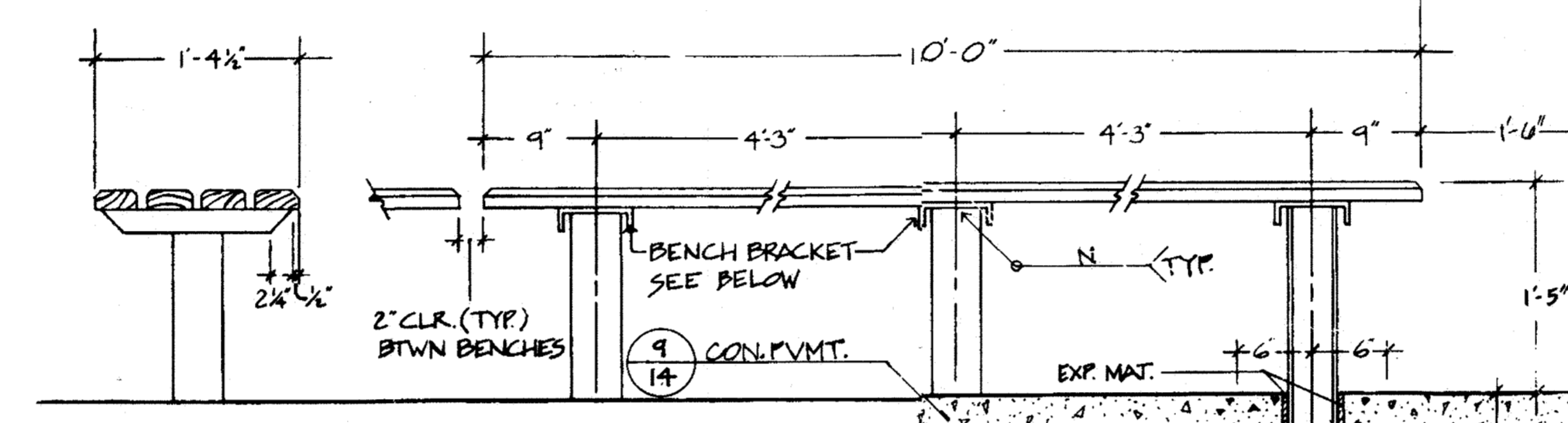
3 SOFTBALL BACKSTOP  
14 NOT TO SCALE



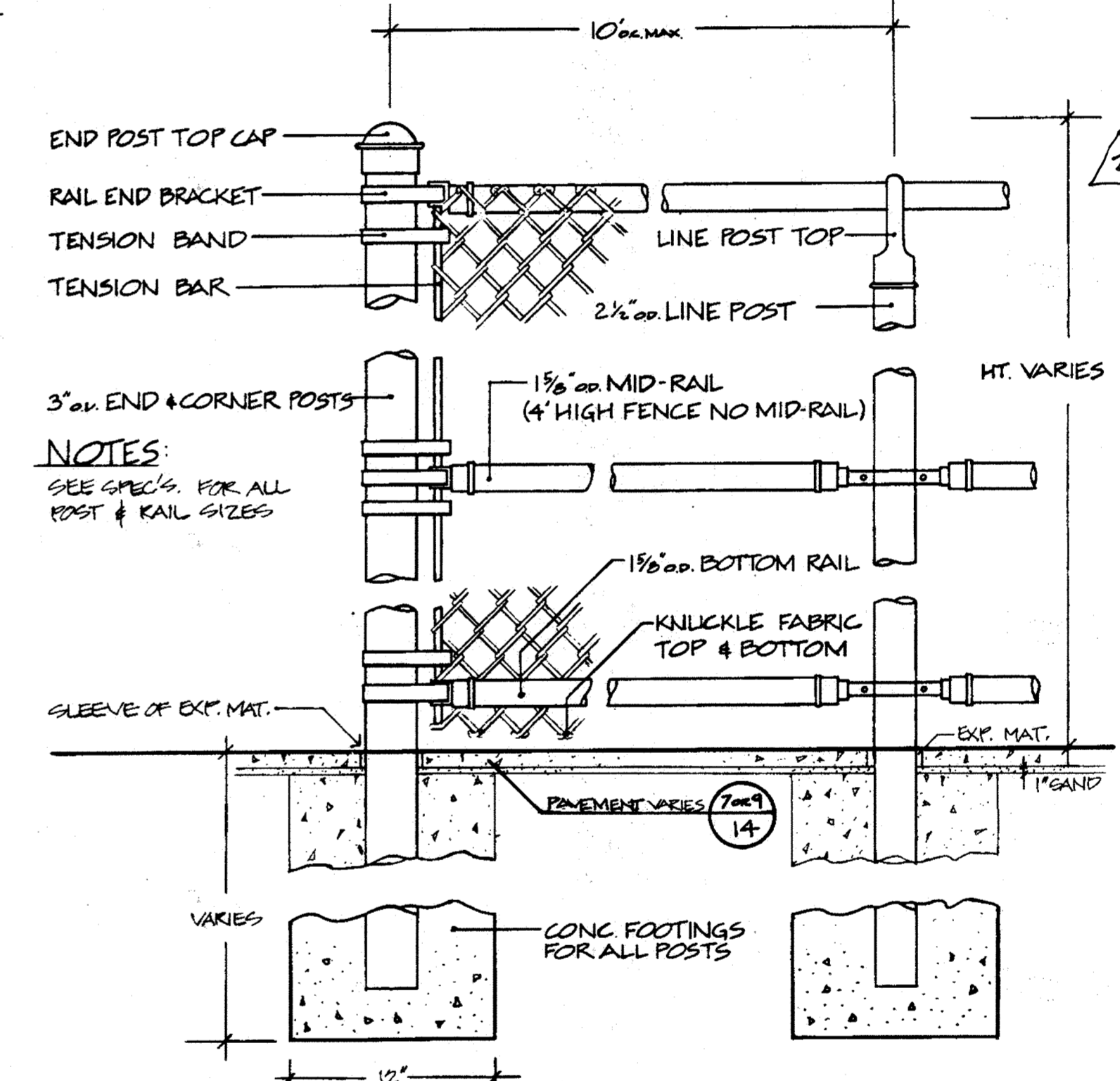
5 CHAIN LINK FENCE POST  
14 NOT TO SCALE



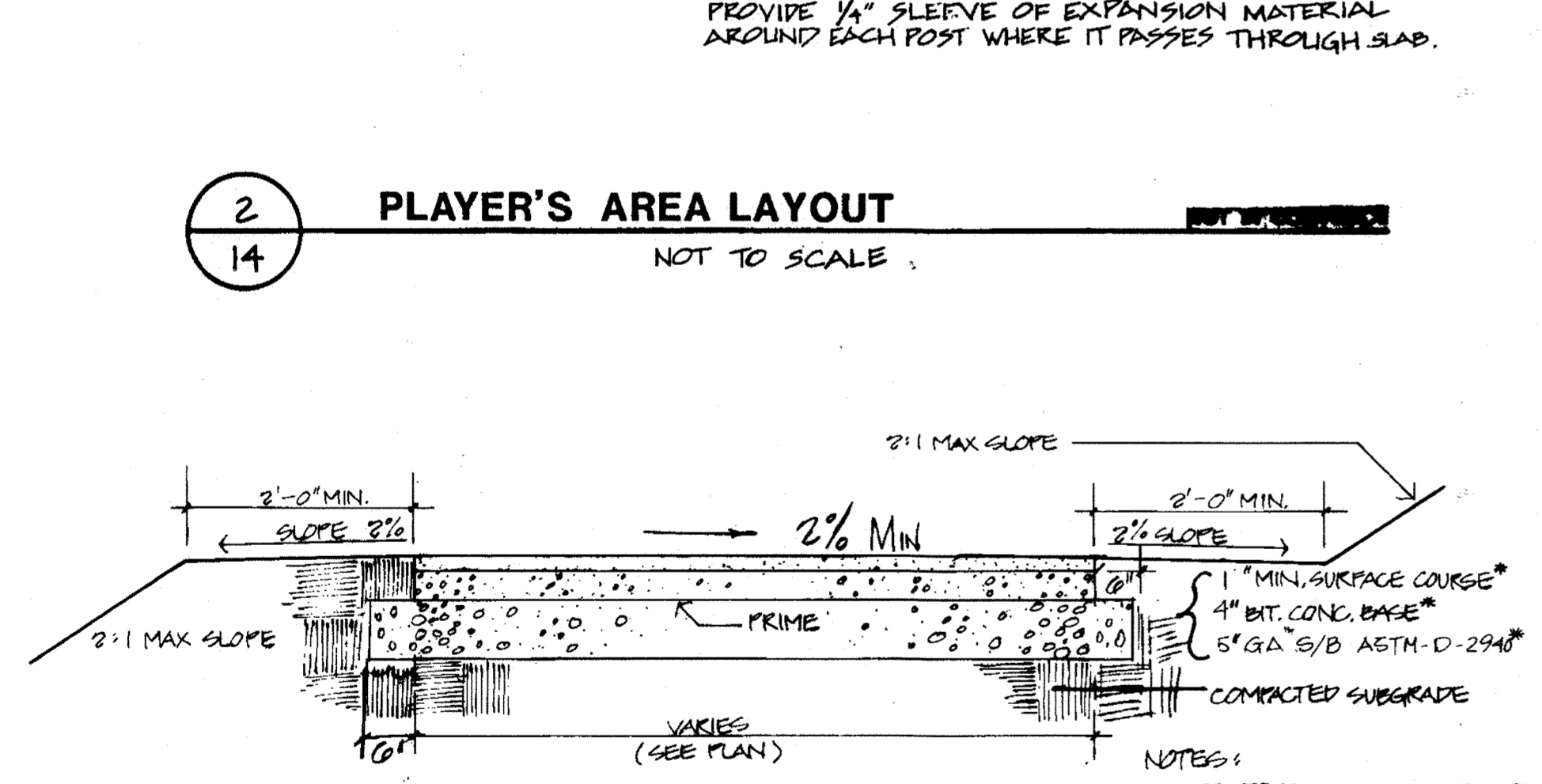
2 PLAYER'S AREA LAYOUT  
14 NOT TO SCALE



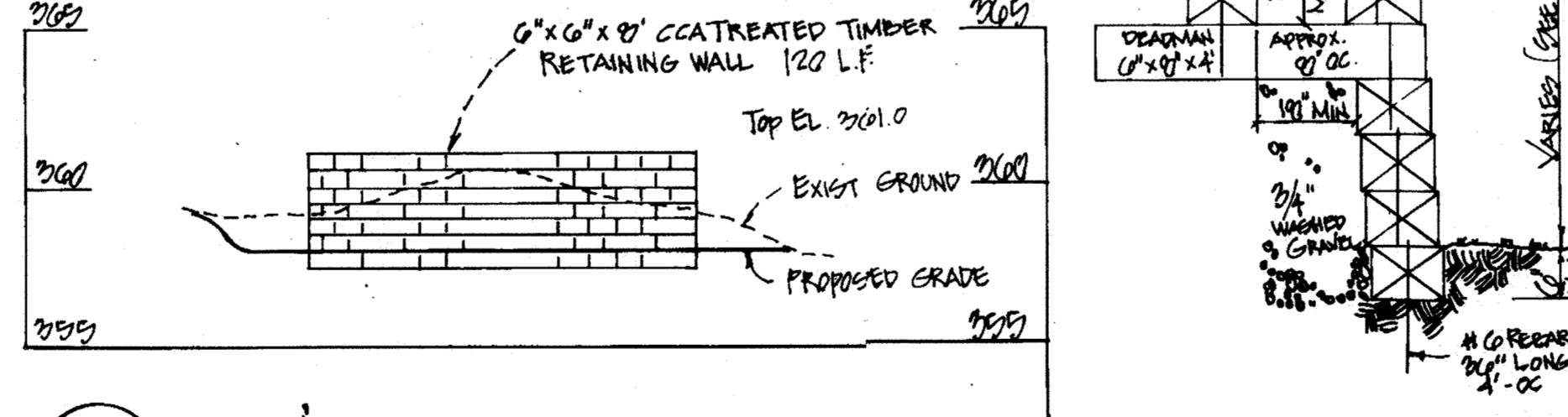
4 PLAYER'S BENCH  
14 NOT TO SCALE



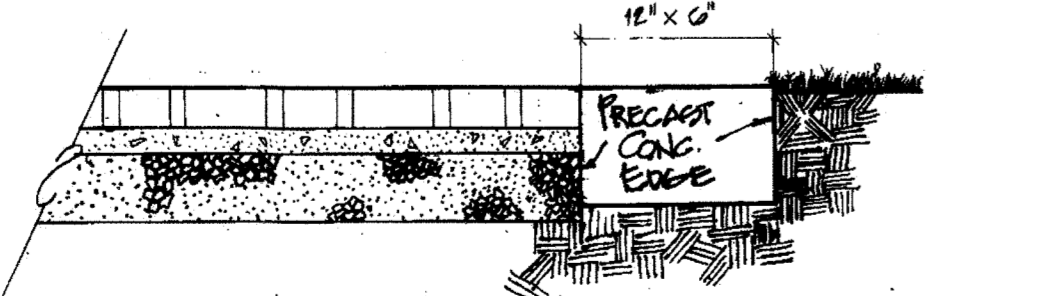
6 CHAIN LINK FENCE  
14 NOT TO SCALE



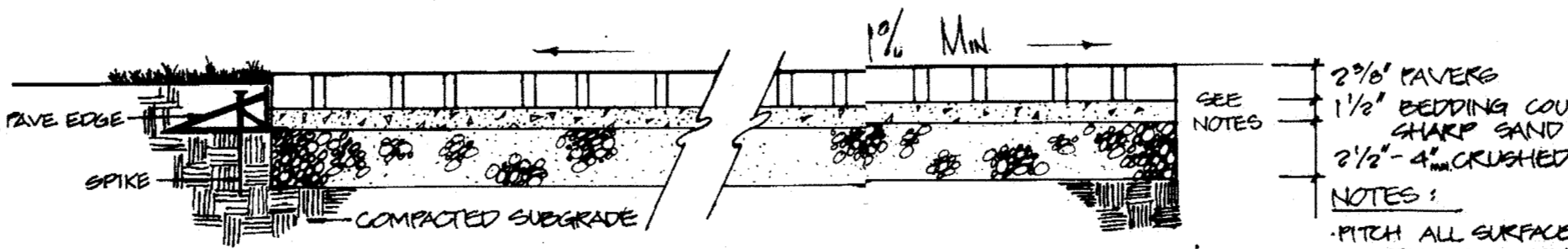
7 BITUMINOUS CONCRETE PAVING  
14 NOT TO SCALE



10 RETAINING WALL  
14 SCALE: H: 1" = 4' V: 1" = 5'



8 PRECAST CONC. PAVER EDGE  
14



9 STD. 7" COMB. CURB & GUTTER  
14 NOT TO SCALE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Director: James P. ... 2-23-90  
Chief, Bureau of Engineering: ... 2-1-90

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

County Health Officer: ... 2/26/90

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

Planning Director: ... 2-21-90  
Chief, Division of Community Planning and Land Development: ... 2/2/90

SEAL FOR REGISTRATION  
REVISION 2 ONLY

DATE	BY	DESCRIPTION
4/30/91	GM	REV. DL 9/4
8/3/91	JLT	DUGOUT COVERS

Dewberry & Davis  
Engineers Architects Planners Surveyors  
2504 Riva Road, Annapolis, MD 21401  
(301) 841-6811

Owner: HOWARD COUNTY D.P.W.  
3430 Court House Drive  
Ellicott City, MD 21043 Phone (301) 992-2040

Hammond Community Park  
Capital Project N-3024

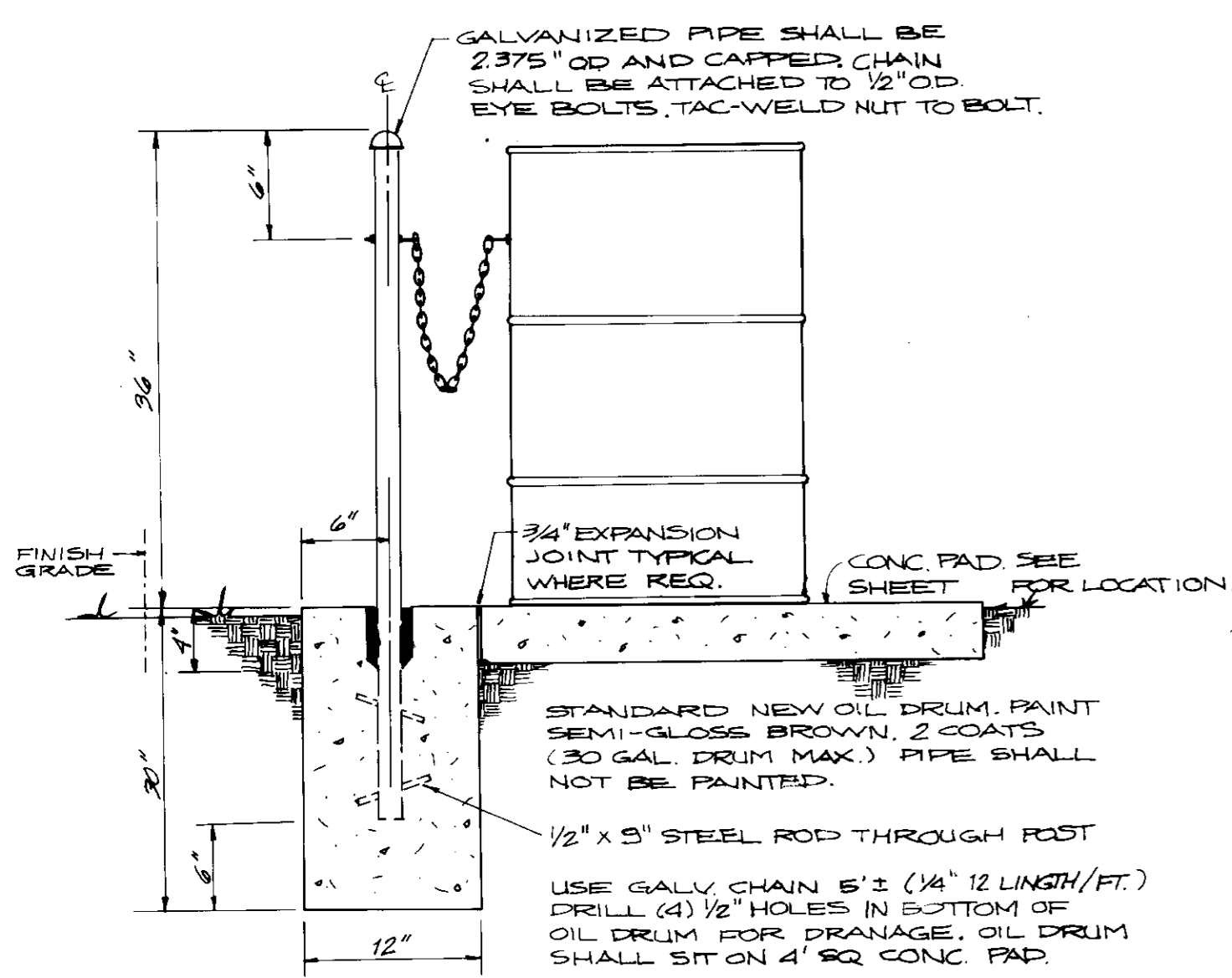
Hammond Park  
Murray Hill Plat No. 4991-4995, 4997, 5187,  
5231-5233, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

Title: SOFTBALL FIELD & MISC. DETAILS

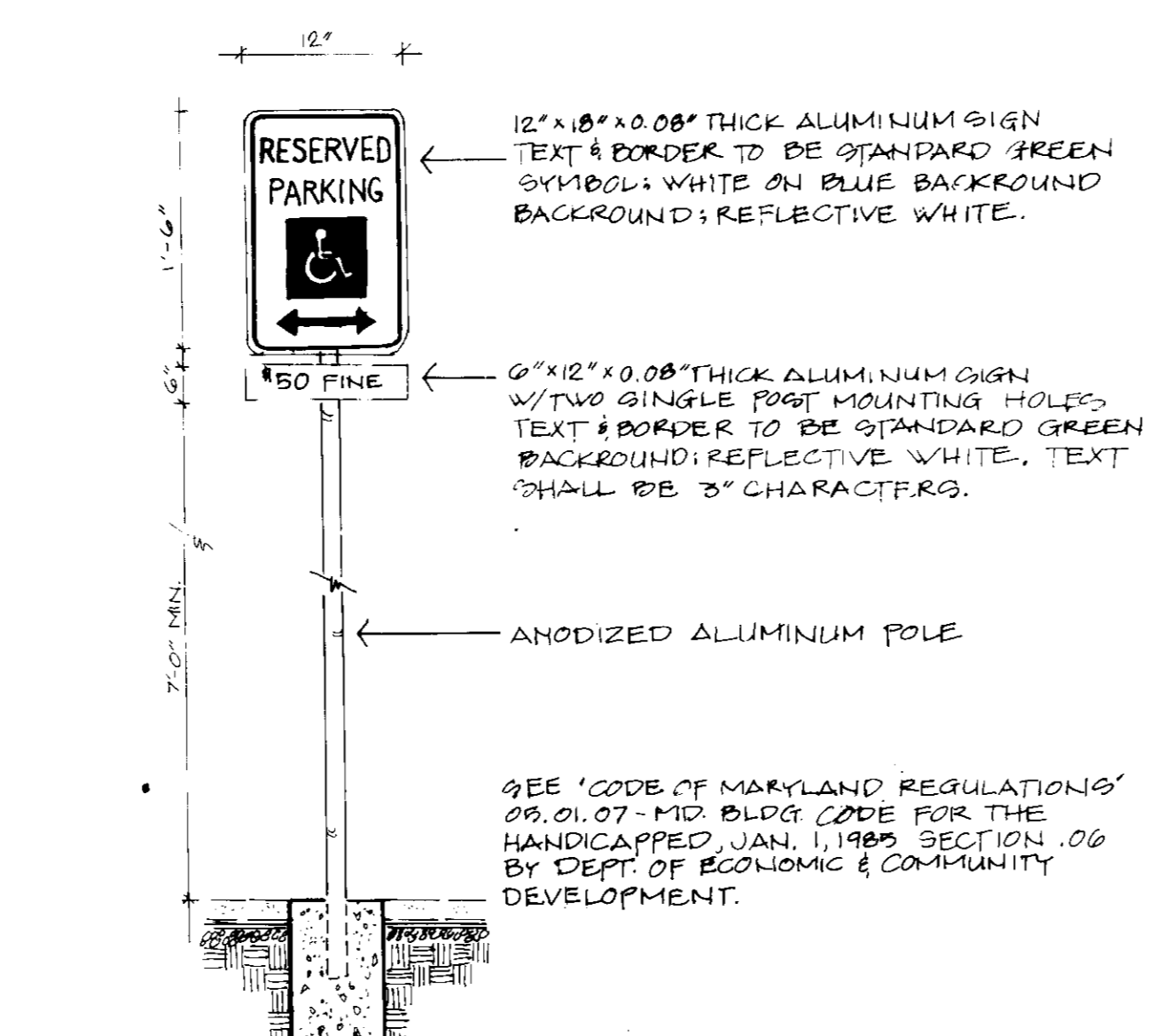
Date: DECEMBER 20, 1989 Drawing Number: 14

Designer: B. KELLY & BY OTHERS  
Scale: AS NOTED  
Drafter: B. KELLY  
Checked by: V.C.L.

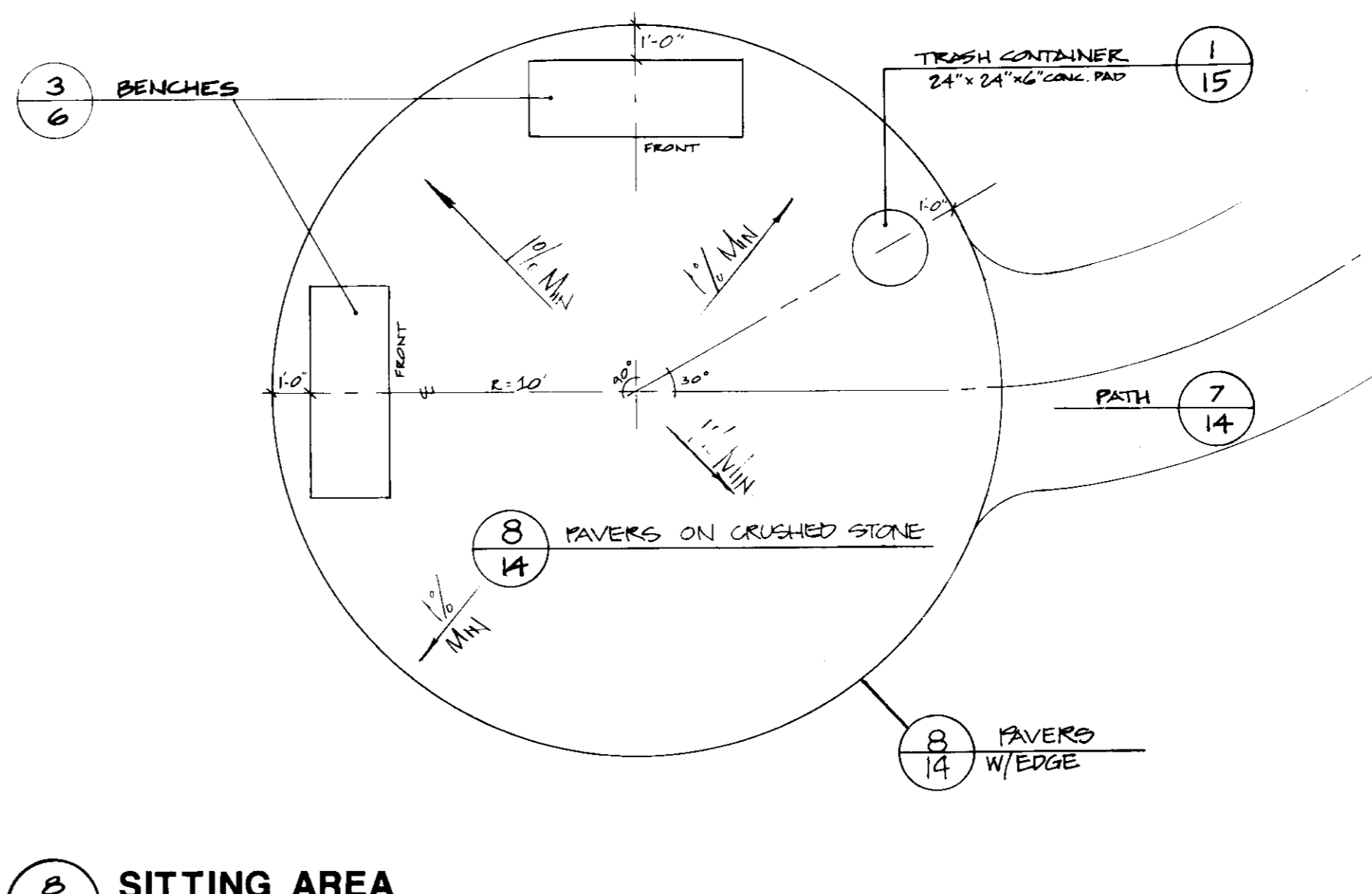
SDP-90-50



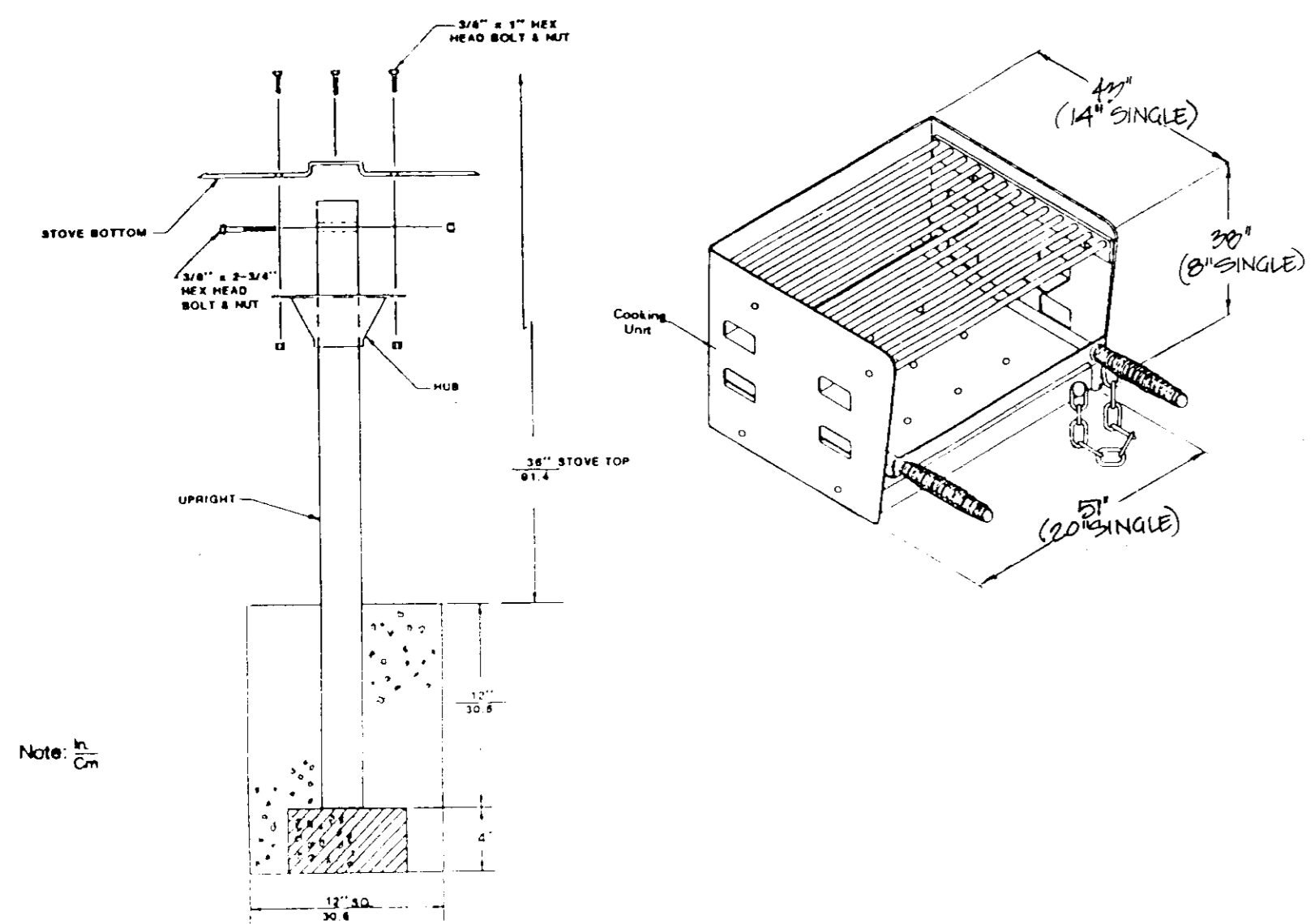
1 TRASH CONTAINER  
15 NOT TO SCALE



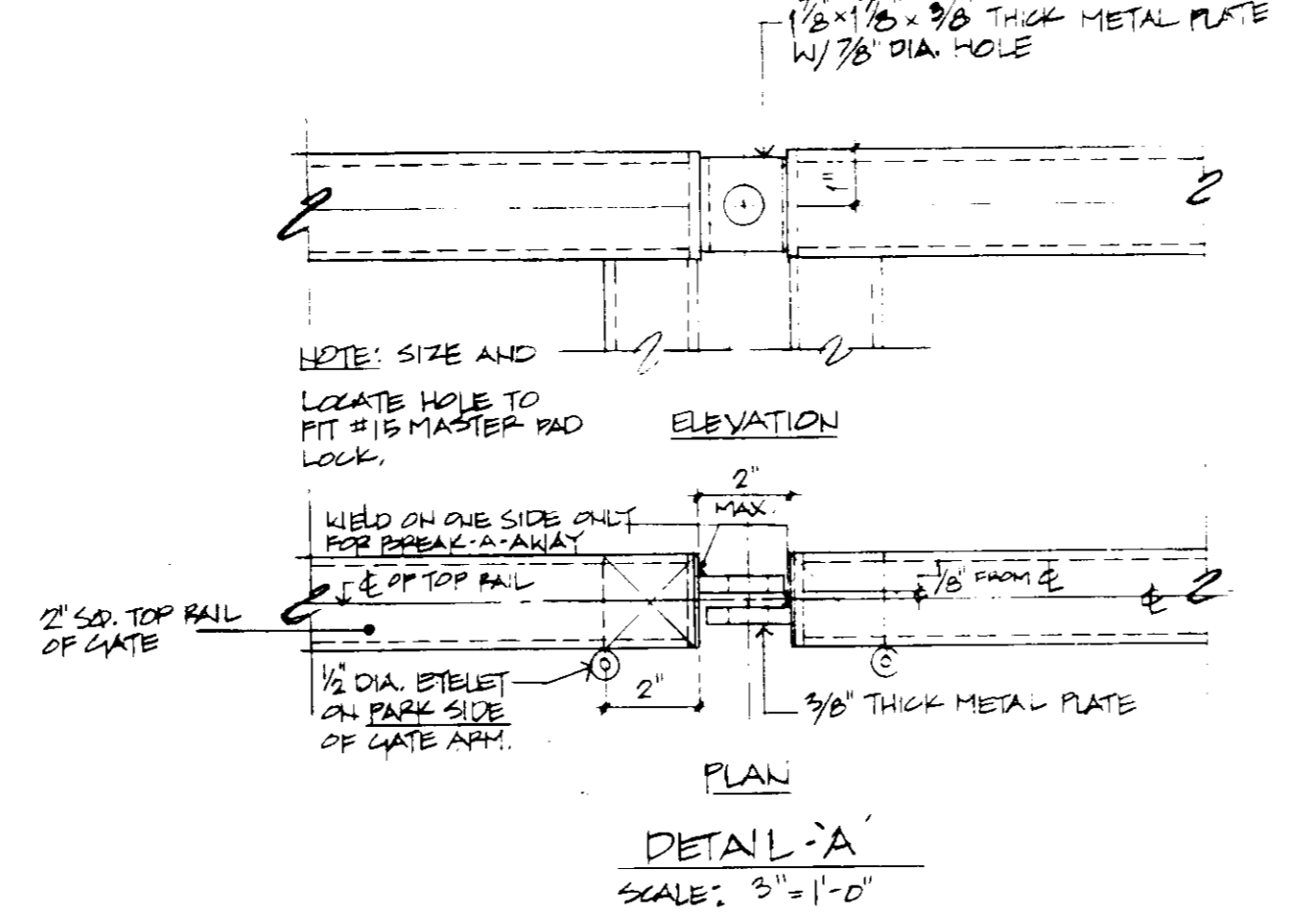
9 SIGN AT HANDICAP PARKING SPACE  
15 NOT TO SCALE



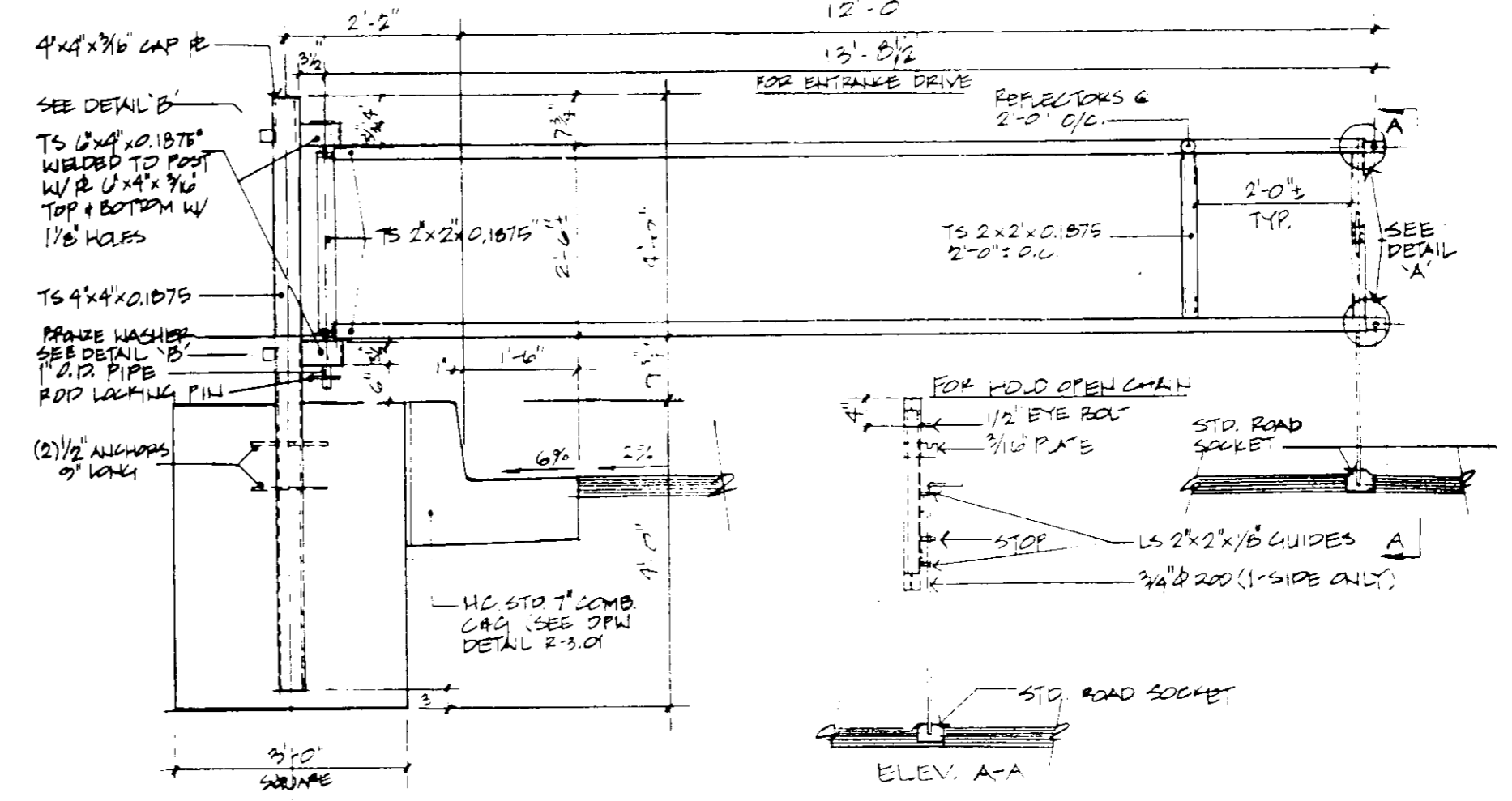
8 SITTING AREA  
15 SCALE: 1/4" = 1'-0"



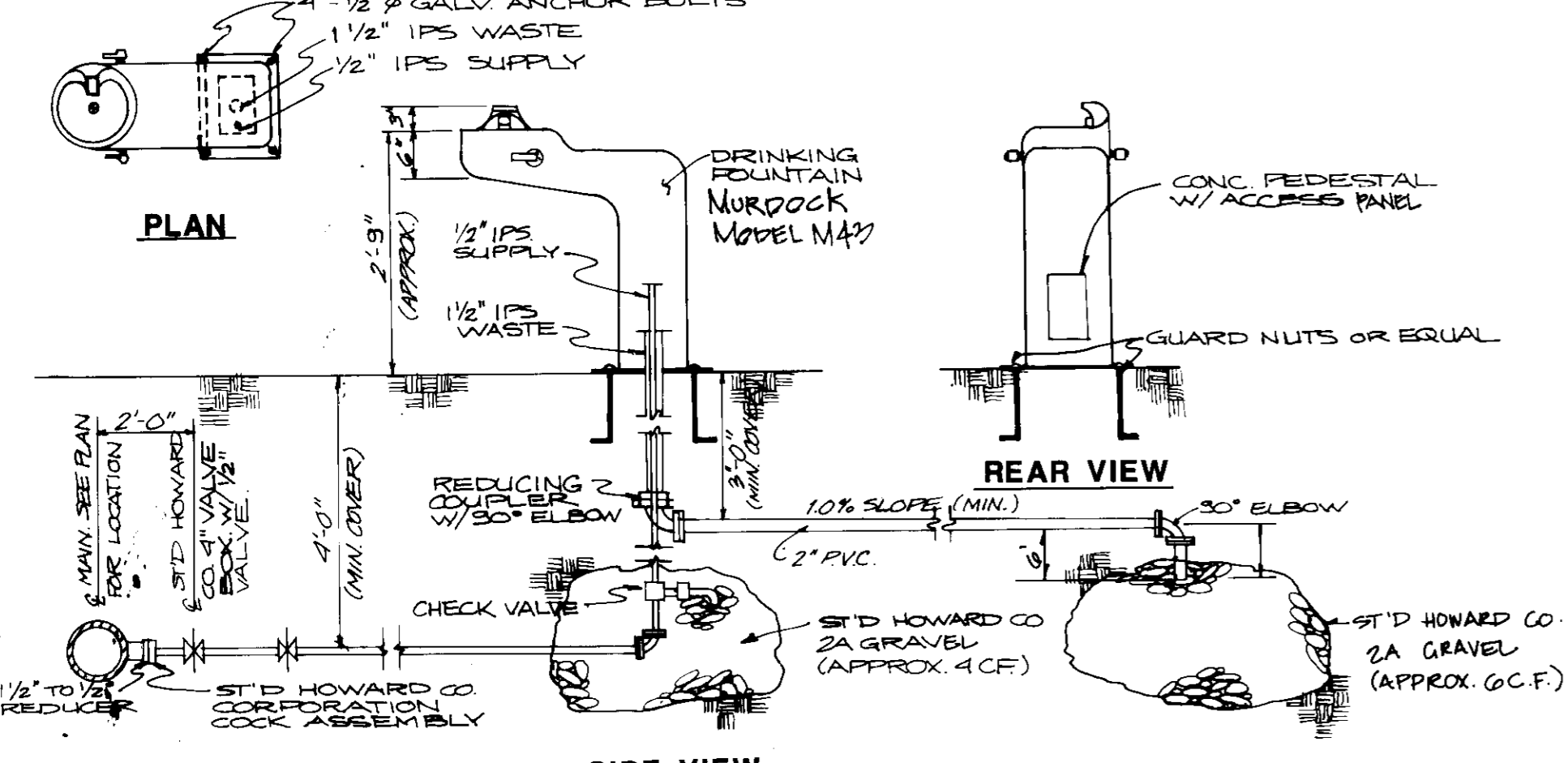
2 CHARCOAL GRILL TRIPLE ( SINGLE )  
15 IRON MOUNTAIN FORCE MODEL 220 TRIPLE (MODEL 198 SINGLE) NOT TO SCALE



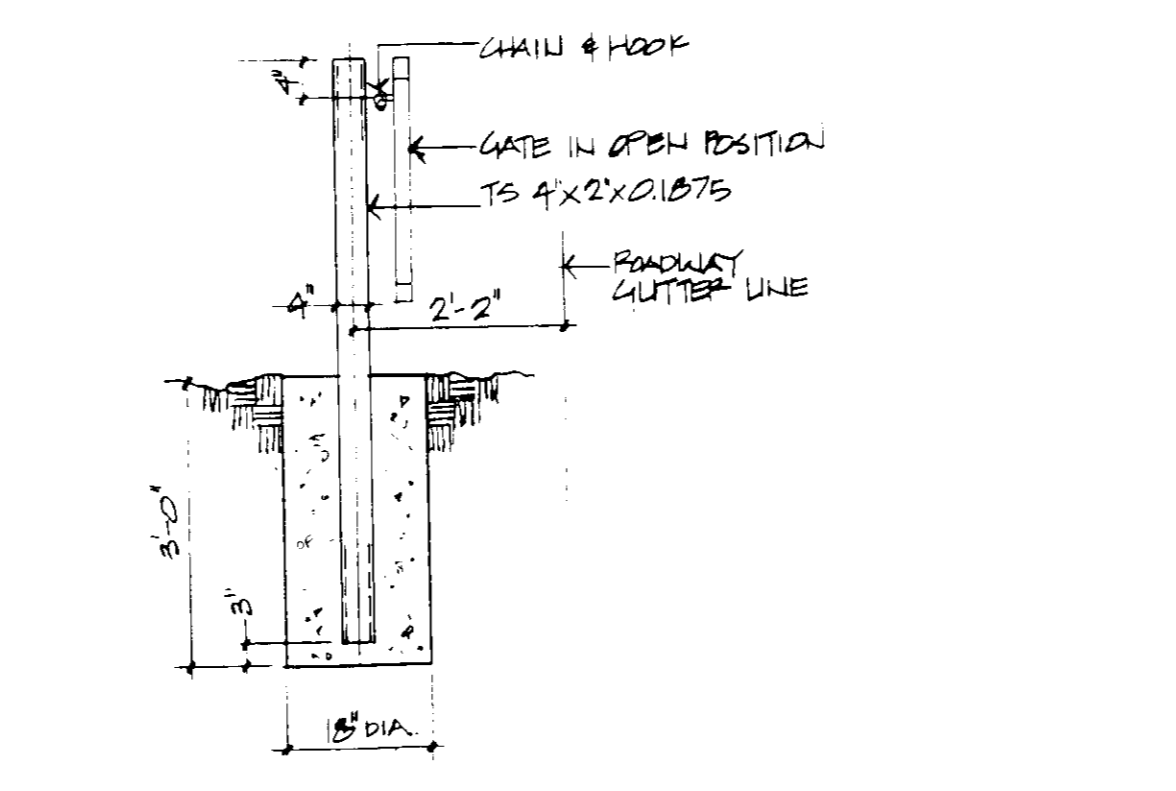
4 ENTRANCE GATE  
15 DETAILS 'A' AND 'B' NOT TO SCALE



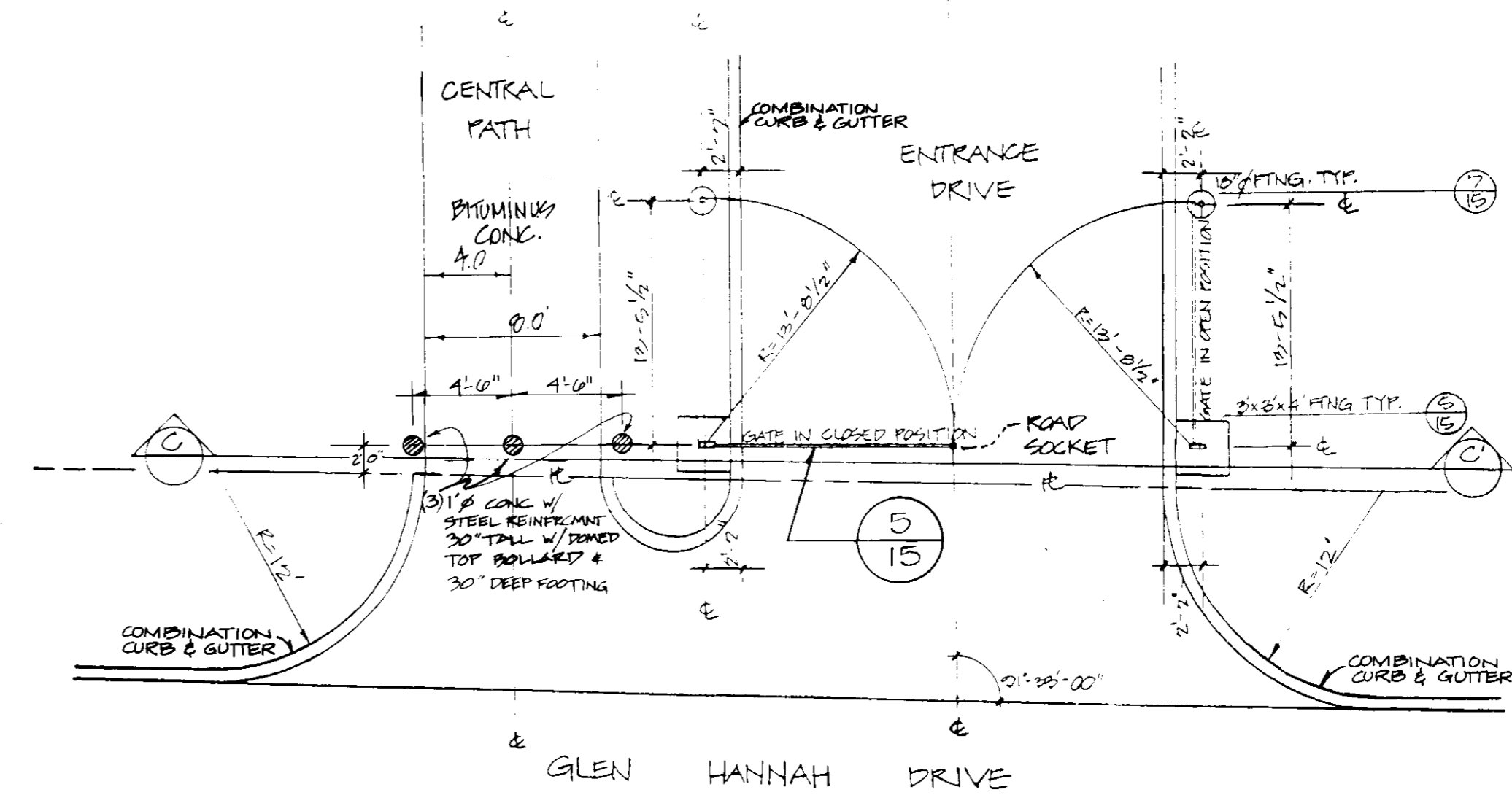
5 ENTRANCE GATES  
15 ELEVATION C-C' NOT TO SCALE



3 WATER FOUNTAIN  
15 NOT TO SCALE



7 HOLD OPEN POST  
15 DETAIL NOT TO SCALE



4 ENTRANCE  
15 DETAILED SITE PLAN NOT TO SCALE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Director 2-22-90  
Chief, Bureau of Engineering 2-7-90

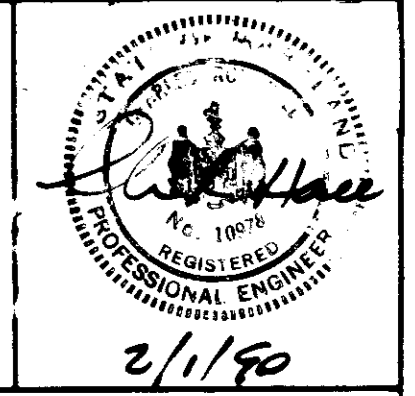
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

County Health Officer 2/26/90

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING  
Planning Director 2-27-90

Chief, Division of Community Planning and Land Development 2/27/90

REVISIONS		
DATE	BY	DESCRIPTION
4/20	EME	REV DR 4/15



**Dewberry & Davis**  
Engineers Architects Planners Surveyors  
2594 Riva Road, Annapolis, MD 21401  
(301) 841-6811

OWNER  
HOWARD COUNTY D.P.W.  
3430 Court House Drive  
Ellicott City, MD 21043 Phone (301) 992-2040

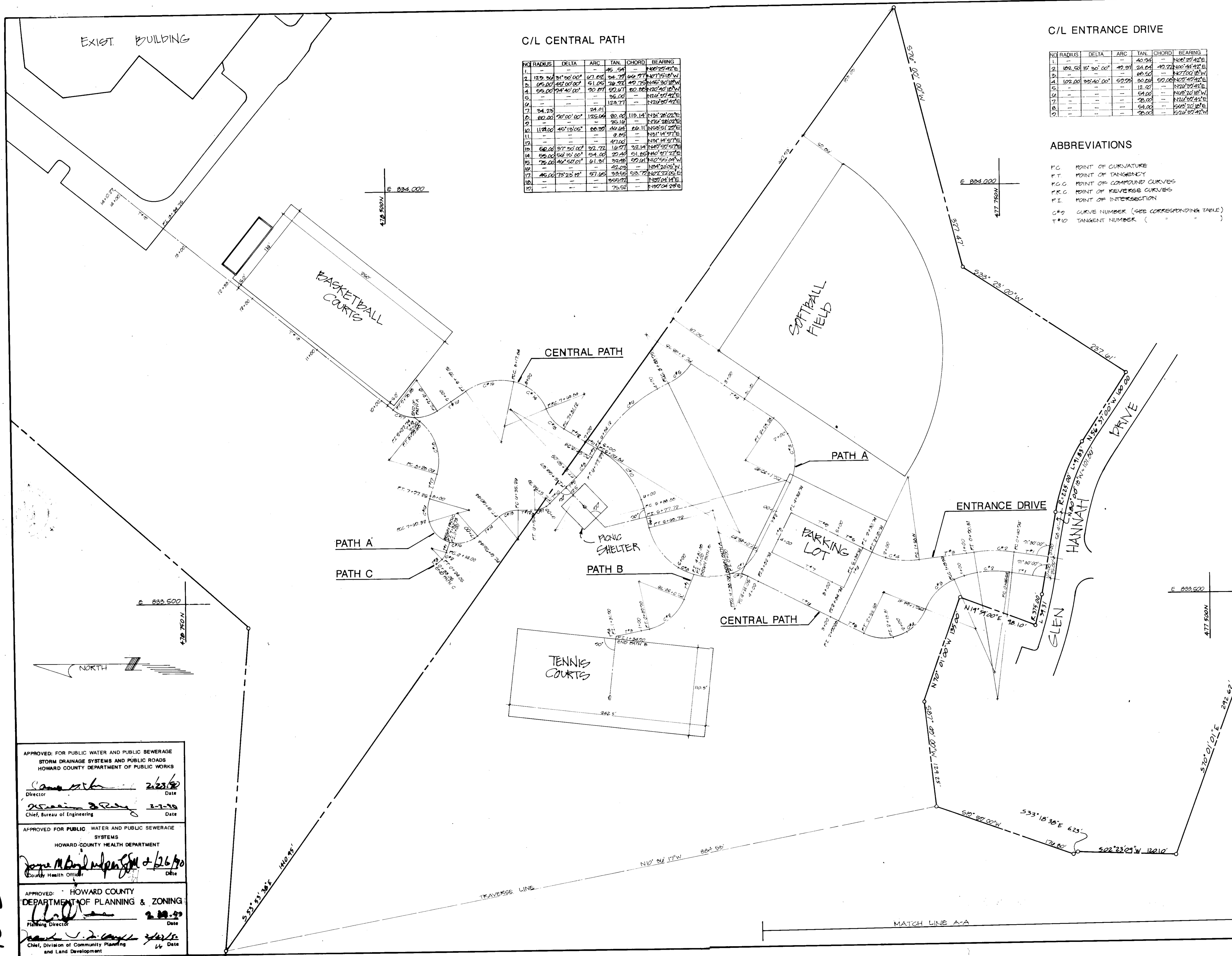
**Hammond Community Park**  
Capital Project N-3024

Hammond Park  
Murray Hill Plat No. 4991-4995, 4997, 5187, 5237-5223, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

Title  
**MISCELLANEOUS DETAILS**

Date DECEMBER 20, 1989	Drawing Number <b>15</b>
Designer BY KELLY & BY OTHERS	Checked by AS NOTED
Drafter BY KELLY & BY OTHERS	of

1602



C/L CENTRAL PATH

NO	RADIUS	DELTA	ARC	TAN	CHORD	BEARING
1						
2	125.34	31°20'00"	67.09	24.79	66.97	N82°29'42"E
3	105.00	45°00'00"	51.05	28.28	40.75	N45°30'18"W
4	55.00	24°40'00"	30.87	16.67	20.88	N22°40'18"W
5						
6						
7	34.25	20°00'00"	19.01	10.14	11.14	N31°28'02"E
8	80.00	20°00'00"	125.04	25.10	119.14	N31°28'02"E
9						
10	112.00	45°13'05"	60.30	40.64	66.11	N58°51'27"E
11						
12						
13	50.00	37°20'00"	32.72	16.97	32.14	N49°00'57"E
14	55.00	56°15'00"	54.00	20.40	51.85	N40°27'27"E
15	75.00	46°50'01"	61.31	32.48	59.61	N10°55'04"W
16						
17	45.00	73°23'12"	57.65	33.55	52.72	N27°02'55"E
18						
19						
20						

C/L ENTRANCE DRIVE

NO	RADIUS	DELTA	ARC	TAN	CHORD	BEARING
1						
2	102.50	15°30'00"	42.30	24.64	42.22	N62°29'42"E
3						
4	102.00	32°40'00"	52.98	30.68	59.08	N22°40'18"W
5						
6						
7						
8						
9						

C/L PATH A

NO	RADIUS	DELTA	ARC	TAN	CHORD	BEARING
1	57.77	15°40'00"	45.27	24.52	44.44	N52°20'00"W
2						
3	67.00	62°02'00"	60.74	38.95	81.40	N25°30'00"W
4	65.00	31°00'00"	35.17	19.53	34.11	N52°20'00"W
5	202.27	24°40'00"	122.89	68.28	131.26	N22°40'18"W
6						
7						
8	115.00	15°30'00"	31.11	19.62	31.02	N62°29'42"E
9						
10						
11	57.00	42°04'10"	22.20	28.15	19.89	N22°40'18"W
12	50.00	40°04'50"	25.10	12.12	24.16	N22°40'18"W
13						
14						
15	34.00	11°00'00"	72.88	57.67	61.20	N72°47'32"W
16	50.00	32°00'00"	27.92	14.94	27.50	N52°20'00"W
17						
18	100.00	62°29'10"	11.62	40.77	67.44	N15°30'00"W
19						

ABBREVIATIONS

- P.C. POINT OF CURVATURE
- P.T. POINT OF TANGENCY
- P.C.C. POINT OF COMPOUND CURVES
- P.R.C. POINT OF REVERSE CURVES
- P.I. POINT OF INTERSECTION
- C# CURVE NUMBER (SEE CORRESPONDING TABLE)
- T# TANGENT NUMBER ( " " " " )

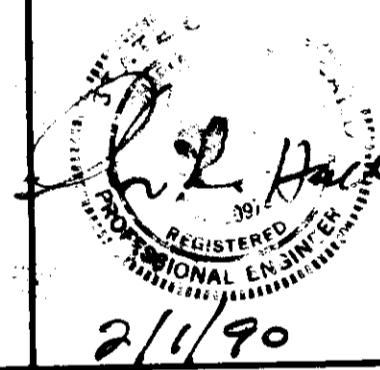
C/L PATH B

NO	RADIUS	DELTA	ARC	TAN	CHORD	BEARING
1						
2	50.50	50°00'00"	57.18	31.11	54.28	N15°30'00"W
3						
4						

C/L PATH C

NO	RADIUS	DELTA	ARC	TAN	CHORD	BEARING
1						
2	10.00	32°00'00"	10.65	14.00	9.52	N72°47'32"W
3						

REVISIONS		
DATE	BY	DESCRIPTION



**Dewberry & Davis**  
 Engineers Architects Planners Surveyors  
 2594 Riva Road, Annapolis, MD 21401  
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Owner  
 HOWARD COUNTY D.P.W.  
 3430 Court House Drive  
 Elicott City, MD 21043 Phone (301) 992-2040

**Hammond Community Park**  
 Capital Project N-3024

Hammond Park  
 Murray Hill Plat Nos. 4991-4995, 4997, 5187,  
 523-5233, 5301, 5302, and 5397  
 Hammond Middle/Elementary School  
 Liber 443, Folio 97  
 6th Election District

**CONSTRUCTION LAYOUT PLAN**

Date DECEMBER 20, 1989	Drawing Number <b>16</b>
Designer BREKLEY KALBER	Drafter K. MENEFEE
Scale 1"=50'	Checked by W. S. L.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Director Date 2/23/90  
 Chief, Bureau of Engineering Date 2-7-90

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 County Health Officer Date 2/26/90

APPROVED: HOWARD COUNTY  
 DEPARTMENT OF PLANNING & ZONING  
 Planning Director Date 2-22-89  
 Chief, Division of Community Planning and Land Development Date 2/21/90

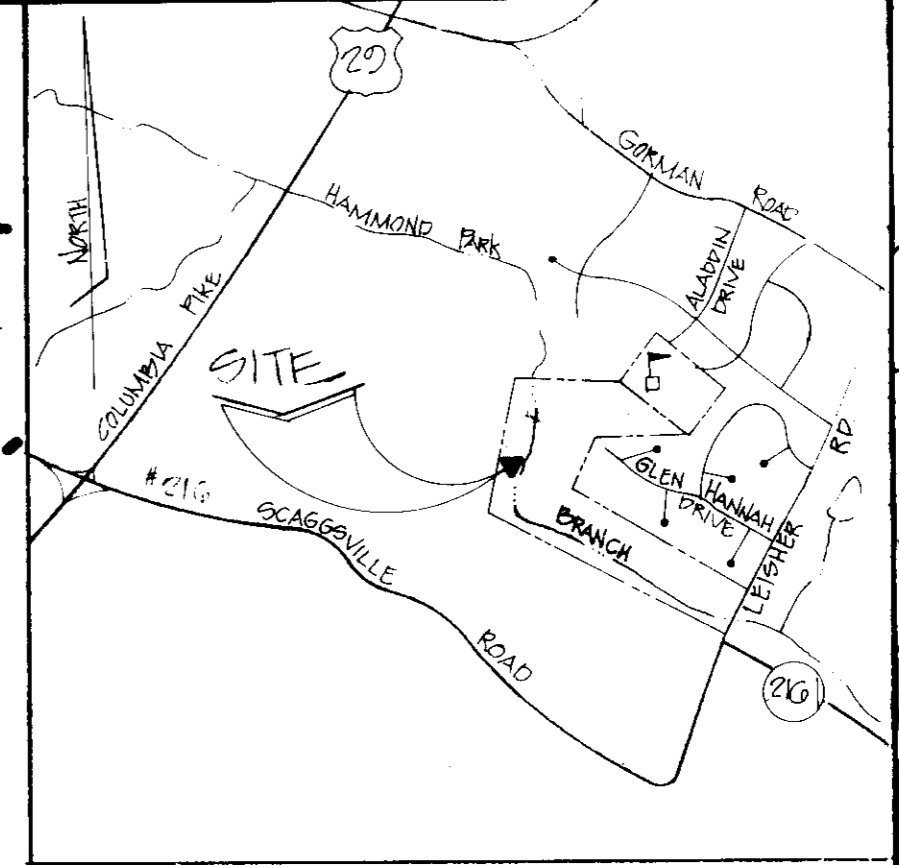
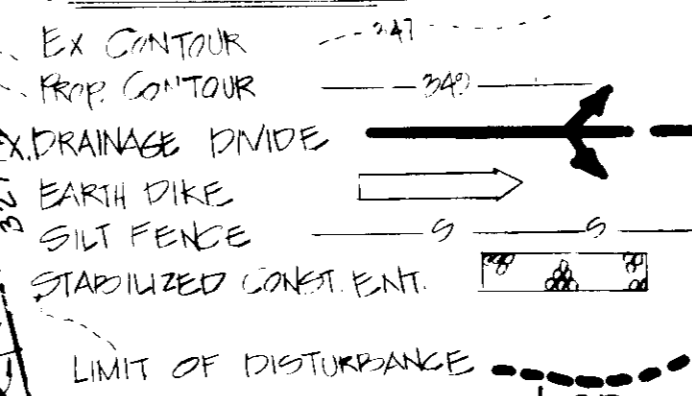
1602



HAMMOND MIDDLE/ELEMENTARY SCHOOL

NOTE: THIS PLAN TO BE USED FOR SEDIMENT AND EROSION CONTROL ONLY

LEGEND



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. Director: [Signature] 2-28-90. Chief, Bureau of Engineering: [Signature] 2-27-90. APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT. [Signature] 2-27-90. APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING. Planning Director: [Signature] 2-27-90. Chief, Division of Community Planning and Land Development: [Signature] 2-27-90.

TEMP SWM TRAP # 4

STONE OUTLET SEDIMENT TRAP DRAINAGE AREA (MAX) 119 STORAGE REQUIRED (cu ft) 2142 cu ft. STORAGE PROVIDED 2208 cu ft. STORAGE DEPTH 3.5' OUTLET WIDTH 52.25' CLEAN OUT EL 52.25' BOTTOM DIM 15' x 25' OUTLET EL 55.10' SIDE SLOPE 2:1 TOP OF BANK 55.0' BOTTOM EL 50.0'

TEMP SWM TRAP # 2

STONE OUTLET SEDIMENT TRAP DRAINAGE AREA (MAX) 210 ac STORAGE REQUIRED (cu ft) 4,000 cu ft. STORAGE PROVIDED 3800 cu ft. STORAGE DEPTH 18' OUTLET WIDTH 10' CLEAN OUT EL 52.0' BOTTOM DIM 15' x 20' OUTLET EL 54.0' SIDE SLOPE 2:1 TOP OF BANK 54.0' BOTTOM EL 52.0'

TEMP SWM TRAP # 3

STONE OUTLET SEDIMENT TRAP DRAINAGE AREA 37.9 ac STORAGE REQUIRED (cu ft) 1000 cu ft. STORAGE PROVIDED 1200 cu ft. STORAGE DEPTH 18' OUTLET WIDTH 10' CLEAN OUT EL 52.5' BOTTOM DIM 15' x 20' OUTLET EL 54.0' SIDE SLOPE 2:1 TOP OF BANK 54.0' BOTTOM EL 52.0'. STABILIZED CONCRETE ENT. #2 W/ MOUNTABLE BERM ENTRANCE GATES 4/15

TEMP SWM TRAP # 1

STONE OUTLET SEDIMENT TRAP DRAINAGE AREA (MAX) 31.5 ac STORAGE REQUIRED (cu ft) 6200 cu ft. STORAGE PROVIDED 10500 cu ft. STORAGE DEPTH 4' OUTLET WIDTH 10' CLEAN OUT EL 52.0' BOTTOM DIM 15' x 25' OUTLET EL 54.80' SIDE SLOPE 2:1 TOP OF BANK 54.00' BOTTOM EL 52.00'

SOILS

Table with columns: MAP SYMBOL, NAME. Entries: MgBz (Manor), MaCz (Chester), CgBz (Glennville\*\*), GnBz (Baile\*), Ba (Baile\*). Notes: \* Hydric soil, \*\* May contain hydric inclusions.

- NOTES: 1. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO PROVISIONS OF THIS PLAN... 2. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN PRIOR TO ANY CONSTRUCTION CALL INSPECTIONS & PERMITS... 3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STRUCTURES, ETC. SHALL BE COMPLETED WITHIN 7-14 DAYS... 4. ALL SEDIMENT TRAPS/BASINS MUST BE FENCED AND WARNING SIGNS POSTED... 5. TEMPORARY STABILIZATION WITH MULCH CAN ONLY BE DONE WHEN RECOMMEND SEEDING DATES DO NOT ALLOW FOR GERMINATION AND ESTABLISHMENT... 6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND MAINTAINED UNTIL PERMISSION FOR REMOVAL IS OBTAINED... 7. ANY SEDIMENT CONTROL DEVICE DISTURBED BY GRADING ACTIVITY MUST BE REPAIRED ON DAY OF DISTURBANCE.

FOR SEDIMENT + EROSION CONTROL NOTES, CERTIFICATIONS, AND DETAILS, SEE SHEET C-2. FOR SEQUENCE OF CONSTRUCTION SEE SHEET C-2.

N/E HAMMOND VILLAGE SECTION 4 PLAT 4700

By the Developer: "I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspections by the Howard Soil Conservation District."

Signature: [Signature] 2-7-90 DATE

NOTE: FLOODPLAIN LIMITS, AS PER HAMMOND BRANCH DRAINAGE STUDY, CAPITAL PROJECT 10-1026

ENGINEER'S CERTIFICATE: I HEREBY CERTIFY THAT THIS PLAN FOR SOIL EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED UPON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: [Signature] 12/20/89 DATED

NOTE: 1 CONTOUR INTERVAL

REVISIONS table with columns: DATE, BY, DESCRIPTION.

Signature: [Signature] 2/1/90

Dewberry & Davis Engineers Architects Planners Surveyors 2594 Riva Road, Annapolis, MD 21401

Owner: HOWARD COUNTY, D.P.W. 3430 Court House Drive, Elkott City, MD 21043 Phone (301) 992-2040

Hammond Community Park Capital Project N-3024

Hammond Park Murray Hill Plat Nos. 4991-4995, 4997, 5187, 5231-5233, 5301, 5302, and 5397. Hammond Middle/Elementary School Liber 443, Folio 97 6th Election District

SEDIMENT CONTROL PLAN

Date: DECEMBER 20, 1989. Drawing Number: 17. Designer: [Signature] R. AUER. Drafter: [Signature] R. MENGER. Scale: 1" = 50'. Checked by: [Signature].

1602

**STANDARD SPECIFICATIONS FOR VEGETATIVE STABILIZATION TEMPORARY STRUCTURES**

**Definition:** Stabilizing and/or protecting areas by establishing long-term stands of grass with seed.

**Purpose:** To stabilize the soil to reduce erosion from sediment and runoff to downstream areas; improve wildlife habitat; reduce sediment; and improve water quality.

**Conditions Where Practice Applies:** On exposed soils where a quick vegetative cover is desired on sites which can be established with ground vegetation (11) or flatter slopes.

**Specifications:**

- Class of turfgrass and shall be Maryland or Virginia State Certified, or Maryland or Virginia State approved.
- Soil shall be seeded out as a uniform mat thickness of 1/4 inch, plus or minus 1/8 inch, at the time of seeding. Measurements for thickness shall include top growth and thatch.
- Standard size sections of seed shall be strong enough to support their own weight and retain their size and shape when suspended vertically with a firm grasp on the upper 10 percent of the section.
- Individual pieces of seed shall be cut to the suppliers width and length. Maximum tolerance deviation from standard widths and lengths shall be 1 percent. Crown gaps and stem or crown ends will not be acceptable.
- Seed shall be harvested or transported when moisture content is consistently dry or well above critical effect for the material.
- Seed shall be harvested, baled and stored within a period of 30 days after harvest. Seed shall be stored in a cool, dry place and shall be protected from rodents and insects.

**Site Preparation:**

- Site shall be prepared to receive seed and shall be free of rocks, stumps, and other debris.
- Soil shall be graded to a uniform surface. Areas to be seeded shall be free of rocks, stumps, and other debris.
- Soil shall be tested for pH and nutrient levels. If necessary, soil shall be amended to a pH of 6.0 to 7.0 and nutrient levels shall be adjusted.

**Seeding:**

- Seeding shall be done by hand or broadcast. Seeding shall be done at a rate of 100 pounds per acre for Maryland or Virginia State Certified, or Maryland or Virginia State approved turfgrass.
- Seeding shall be done at a rate of 100 pounds per acre for Maryland or Virginia State Certified, or Maryland or Virginia State approved turfgrass.

**Maintenance:**

- Seeding shall be done by hand or broadcast. Seeding shall be done at a rate of 100 pounds per acre for Maryland or Virginia State Certified, or Maryland or Virginia State approved turfgrass.
- Seeding shall be done at a rate of 100 pounds per acre for Maryland or Virginia State Certified, or Maryland or Virginia State approved turfgrass.

**STANDARD SPECIFICATIONS FOR VEGETATIVE STABILIZATION PERMANENT STRUCTURES**

**Definition:** Planting and/or protecting areas by establishing long-term stands of grass with seed.

**Purpose:** To stabilize the soil to reduce erosion from sediment and runoff to downstream areas; improve wildlife habitat; reduce sediment; and improve water quality.

**Conditions Where Practice Applies:** On exposed soils where a quick vegetative cover is desired on sites which can be established with ground vegetation (11) or flatter slopes.

**Specifications:**

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- Soil shall be tested for pH and nutrient levels. If necessary, soil shall be amended to a pH of 6.0 to 7.0 and nutrient levels shall be adjusted.

**Seeding:**

- Seeding shall be done by hand or broadcast. Seeding shall be done at a rate of 100 pounds per acre for Maryland or Virginia State Certified, or Maryland or Virginia State approved turfgrass.
- Seeding shall be done at a rate of 100 pounds per acre for Maryland or Virginia State Certified, or Maryland or Virginia State approved turfgrass.

**Maintenance:**

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**STANDARD SPECIFICATIONS FOR VEGETATIVE STABILIZATION PERMANENT STRUCTURES**

**Definition:** Planting and/or protecting areas by establishing long-term stands of grass with seed.

**Purpose:** To stabilize the soil to reduce erosion from sediment and runoff to downstream areas; improve wildlife habitat; reduce sediment; and improve water quality.

**Conditions Where Practice Applies:** On exposed soils where a quick vegetative cover is desired on sites which can be established with ground vegetation (11) or flatter slopes.

**Specifications:**

- Class of turfgrass and shall be Maryland or Virginia State Certified, or Maryland or Virginia State approved.
- Soil shall be seeded out as a uniform mat thickness of 1/4 inch, plus or minus 1/8 inch, at the time of seeding. Measurements for thickness shall include top growth and thatch.
- Standard size sections of seed shall be strong enough to support their own weight and retain their size and shape when suspended vertically with a firm grasp on the upper 10 percent of the section.
- Individual pieces of seed shall be cut to the suppliers width and length. Maximum tolerance deviation from standard widths and lengths shall be 1 percent. Crown gaps and stem or crown ends will not be acceptable.
- Seed shall be harvested or transported when moisture content is consistently dry or well above critical effect for the material.
- Seed shall be harvested, baled and stored within a period of 30 days after harvest. Seed shall be stored in a cool, dry place and shall be protected from rodents and insects.

**Site Preparation:**

- Site shall be prepared to receive seed and shall be free of rocks, stumps, and other debris.
- Soil shall be graded to a uniform surface. Areas to be seeded shall be free of rocks, stumps, and other debris.
- Soil shall be tested for pH and nutrient levels. If necessary, soil shall be amended to a pH of 6.0 to 7.0 and nutrient levels shall be adjusted.

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**SEDIMENT CONTROL NOTES**

1. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (99-2-4.77).

2. ALL NEGATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMITS OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:

A.) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DRAIN, PERIMETER TRENCHES AND ALL SLOPES GREATER THAN 3:1.

B.) 14 DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

4. ALL SEDIMENT TRAPS/BASINS SHOW MUST BE PERMANENT AND PERMANENT SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOLUME 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.

5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFICATIONS ABOVE IN ACCORDANCE WITH THE 1983 MARLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51), SOE (SEC. 54), TEMPORARY SEEDINGS (SEC. 50), AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.

6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITIONS UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

7. SITE ANALYSIS:

TOTAL AREA OF SITE = 89,15 AC ±  
 AREA DISTURBED = 11,0 AC ±  
 AREA TO BE ROOF OR PAVED = 2,25 AC ±  
 TOTAL CUT = 19,450 CY ±  
 TOTAL FILL = 17,845 CY ±  
 OFF SITE BORROW AREA LOCATION TO BE DETERMINED.

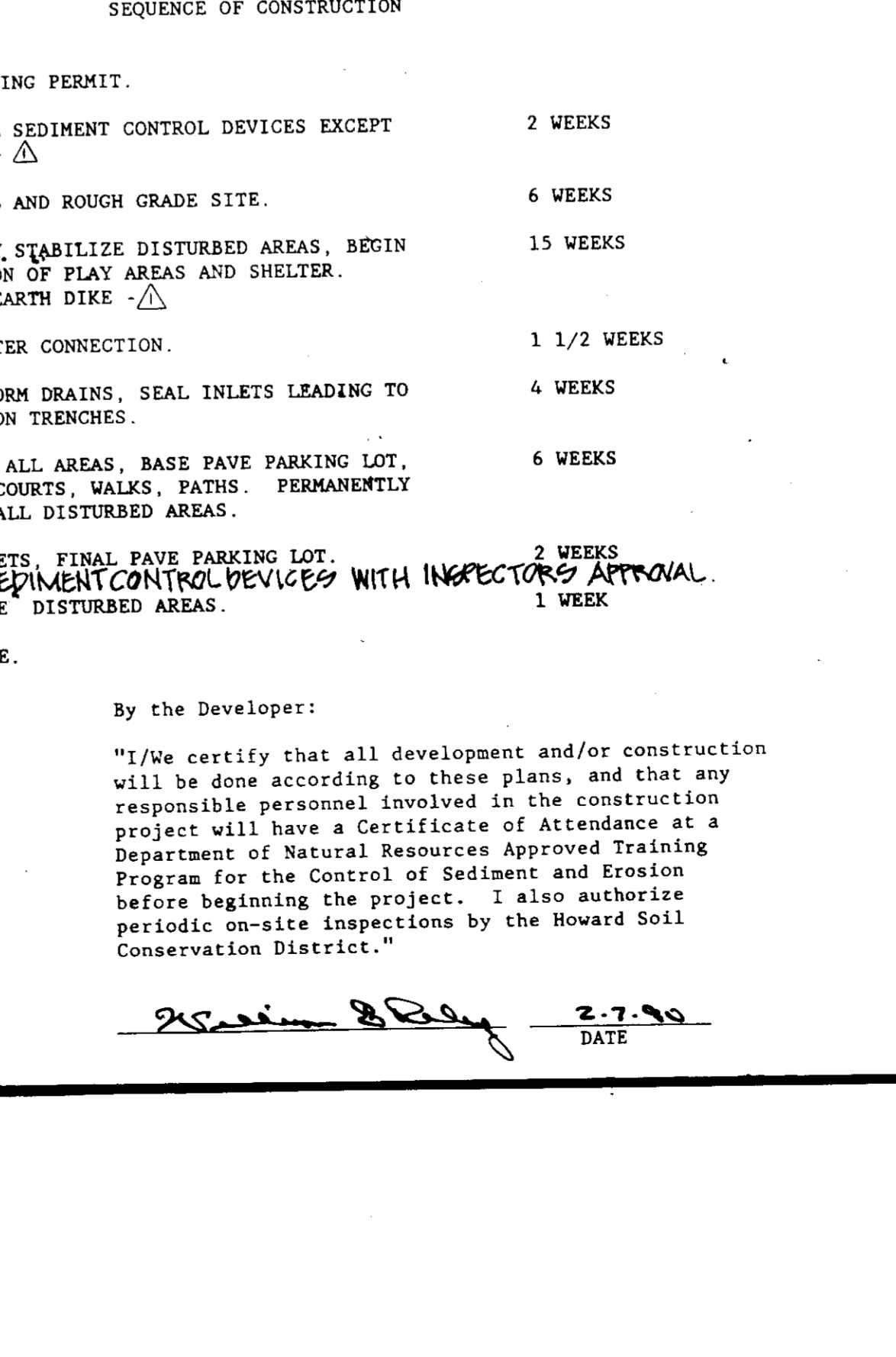
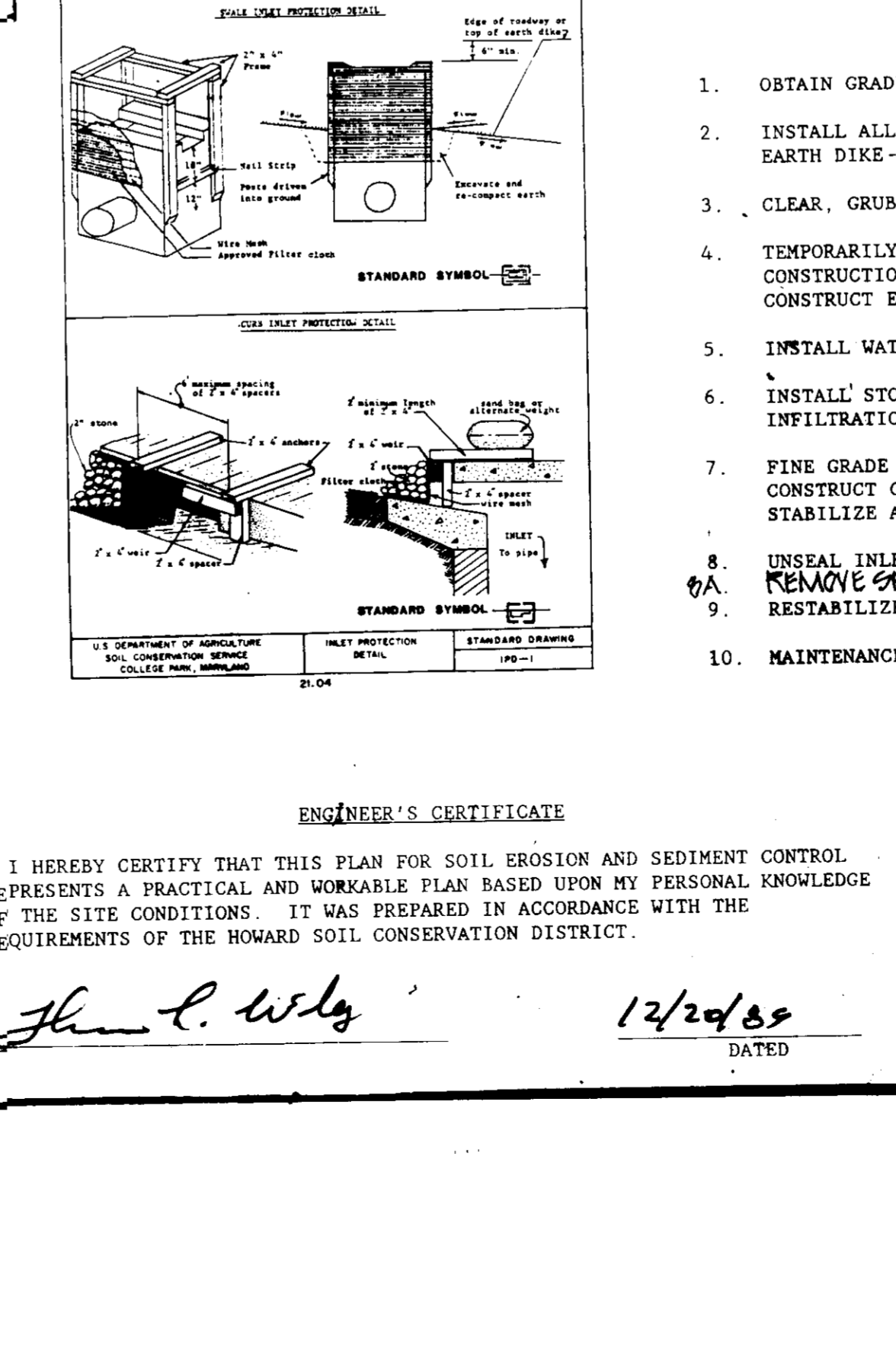
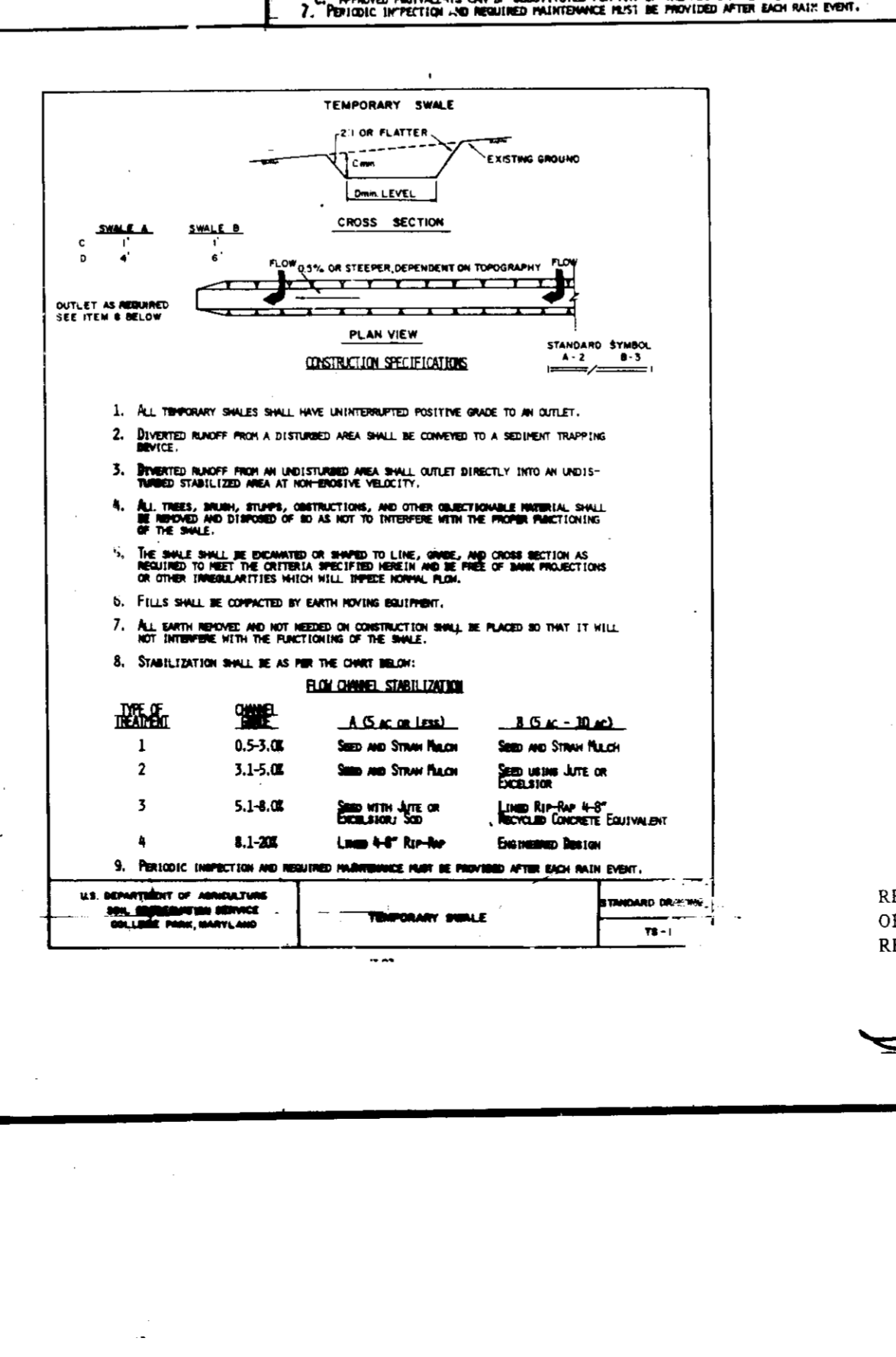
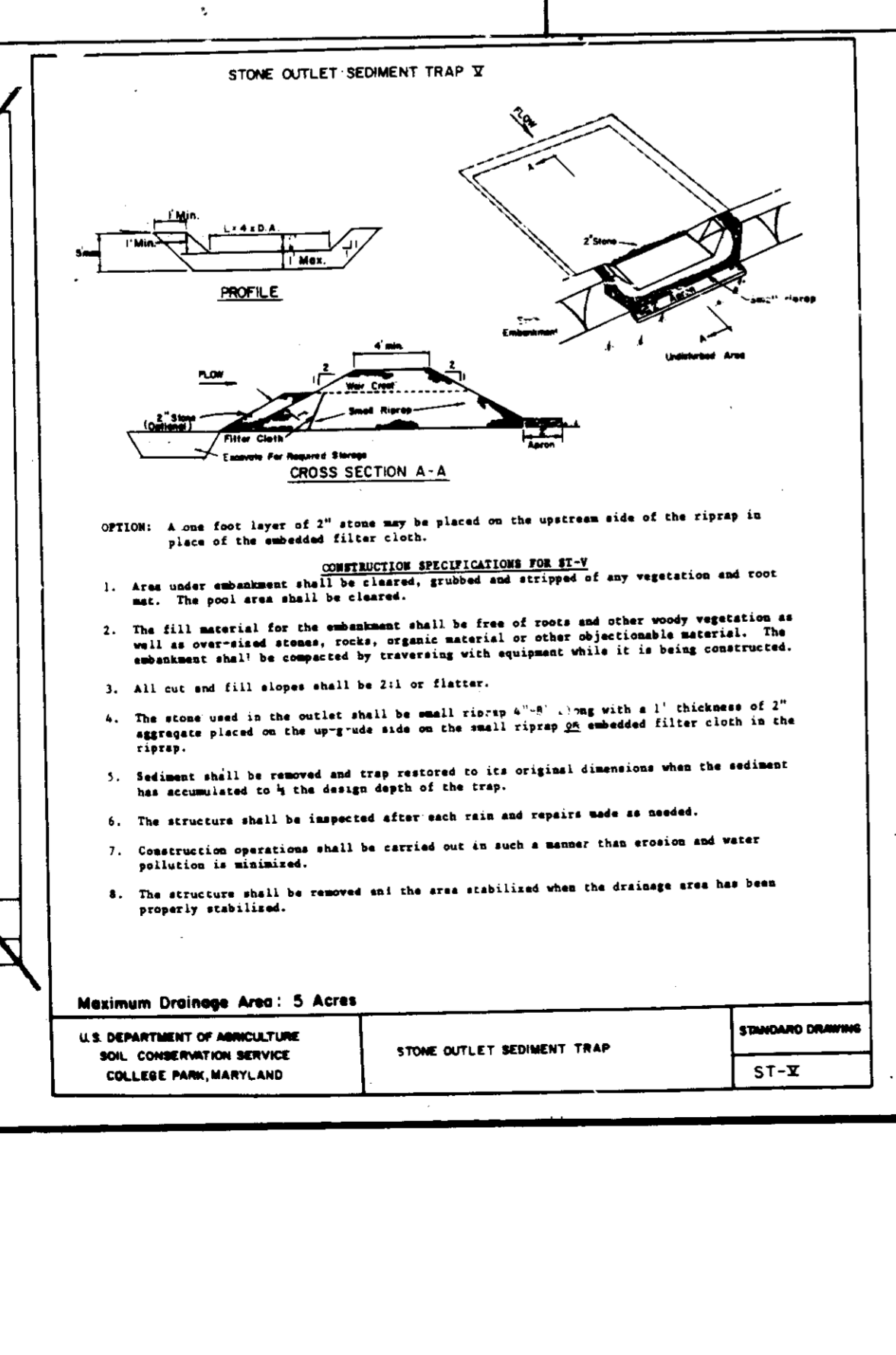
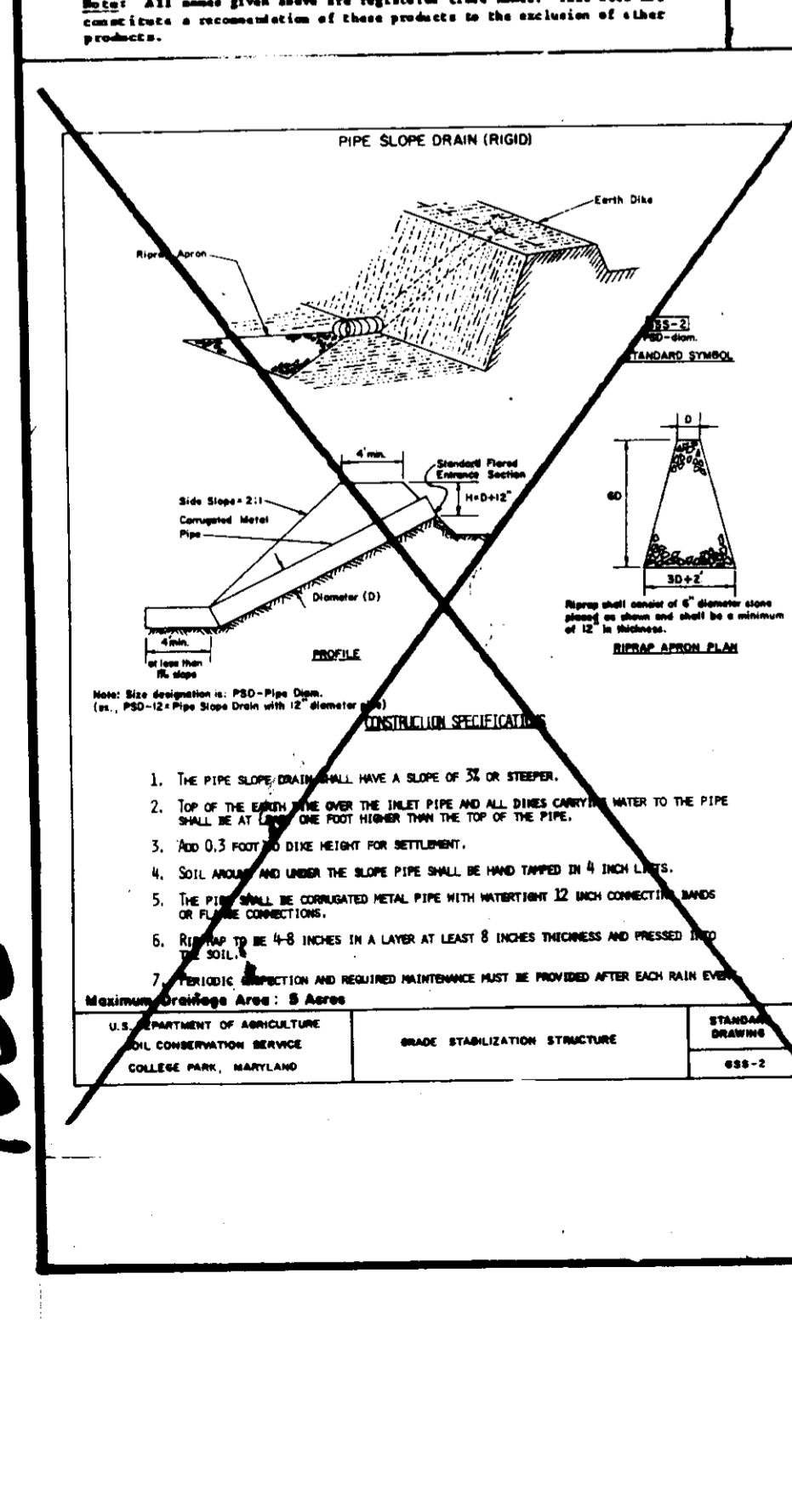
8. ANY SEDIMENT CONTROL PRACTICES WHICH IS DISTURBED BY GRADING ACTIVITY FOR REPLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY D.P.W. SEDIMENT CONTROL INSPECTOR.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING



**SEQUENCE OF CONSTRUCTION**

Activity	Duration
1. OBTAIN GRADING PERMIT.	
2. INSTALL ALL SEDIMENT CONTROL DEVICES EXCEPT EARTH DIKE.	2 WEEKS
3. CLEAR, GRUB AND ROUGH GRADE SITE.	6 WEEKS
4. TEMPORARILY STABILIZE DISTURBED AREAS, BEGIN CONSTRUCTION OF PLAY AREAS AND SHELTER.	15 WEEKS
5. INSTALL WATER CONNECTION.	1 1/2 WEEKS
6. INSTALL STORM DRAINS, SEAL INLETS LEADING TO INFILTRATION TRENCHES.	4 WEEKS
7. FINE GRADE ALL AREAS, BASE PAVE PARKING LOT, CONSTRUCT COURTS, WALKS, PATHS. PERMANENTLY STABILIZE ALL DISTURBED AREAS.	6 WEEKS
8. UNSEAL INLETS, FINAL PAVE PARKING LOT, REMOVE SEDIMENT CONTROL DEVICES WITH INSPECTOR'S APPROVAL.	2 WEEKS
9. RESTABILIZE DISTURBED AREAS.	1 WEEK
10. MAINTENANCE.	

By the Developer:

"I/We certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at the Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspections by the Howard Soil Conservation District."

U.S. DEPARTMENT OF AGRICULTURE  
 SOIL CONSERVATION SERVICE  
 COLLEGE PARK, MARYLAND

**Dewberry & Davis**

Engineers/Architects/Planners/Surveyors  
 2504 Riva Road, Annapolis, MD 21401  
 (301) 841-8811

**Hammond Community Park**

Capital Project N-3024

Hammond Park  
 Murray Hill Plat Nos. 4991-4995, 4997, 5187, 5231-5233, 5301, 5302, and 5397  
 Hammond Middle/Elementary School  
 Leber 443, Fobz 97  
 6th Election District

**SEDIMENT & EROSION CONTROL NOTES, DETAILS & CERTIFICATIONS**

Date: DECEMBER 20, 1989

Drawing Number: 18

Designer: G. EVANS  
 Drafter: J. MADDOX  
 Scale: N/A  
 Checked by: C. BELL II  
 Date: 2-7-90

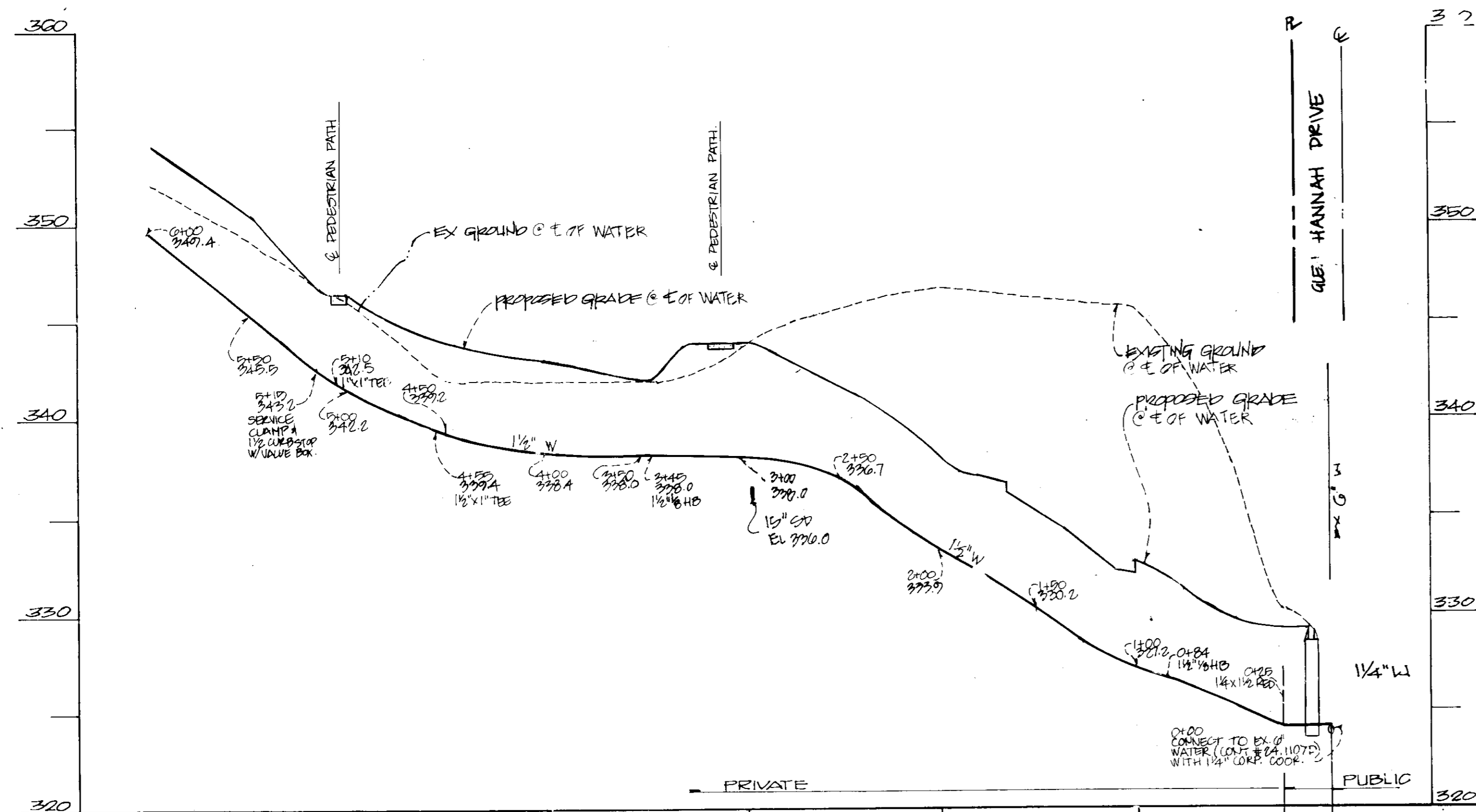
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

U.S. DEPARTMENT OF AGRICULTURE  
 SOIL CONSERVATION SERVICE  
 COLLEGE PARK, MARYLAND





1 1/2" WATER EXTENSION PROFILE SCALE: HORIZ. 1"=50' VERT. 1"=5'

DEPARTMENT OF PUBLIC WORKS  
BUREAU OF ENGINEERING  
GENERAL NOTES

PART I

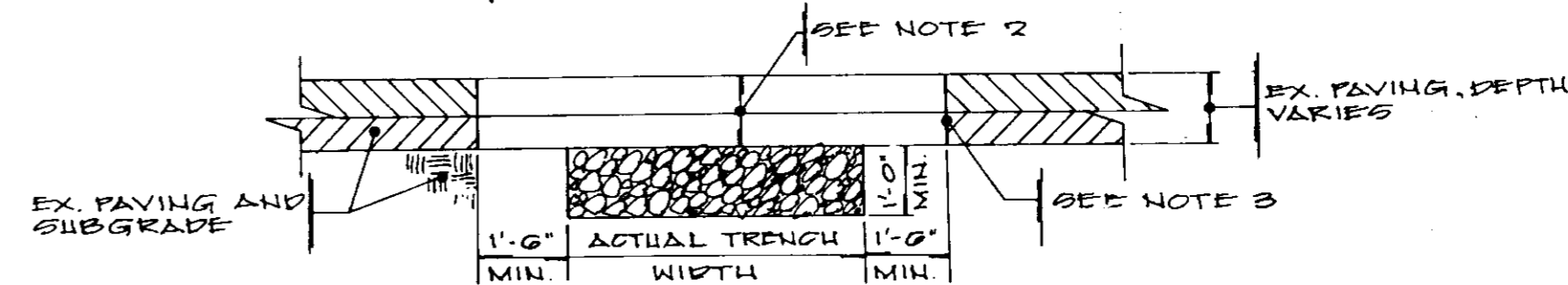
- Approximate location of existing mains are shown. The contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer at the Contractor's expense.
- All horizontal controls are based on Maryland State Coordinates.
- All vertical controls are based on U.S.C.S. data.
- All pipe elevations shown are invert elevations.
- Clear all utilities by a minimum of 6". Clear all poles by 2'-0" minimum or tunnel as required. The owner has contacted the utility companies and has made arrangements for bracing of poles as shown on the drawings. In the event the contractor's work required the bracing of additional poles, any cost incurred by the owner for the bracing of additional poles or damages shall be deducted from money owed the contractor. The contractor shall coordinate with the utility companies to schedule the bracing of poles.
- For details not shown on the drawings, and for materials and construction methods, use Howard County Design Manual, Volume IV, Standard Specifications and Details for Construction. The contractor shall have a copy of Volume IV on the job.
- Where test pits have been made on existing utilities, they are noted by the symbol at the location of the test pits. A note or notes containing the results of the test pit or pits is included on the drawings. Existing utilities in the vicinity of the proposed work for which test pits have not been dug shall be located by the contractor two weeks in advance of construction operations at his own expense.
- Contractor shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:
  - State Highway Administration - 531-5533
  - Baltimore Gas & Electric Co., Contractor Services - 850-4620
  - Baltimore Gas & Electric Co. Under Ground Damage Control - 859-9004
  - Baltimore Gas & Electric Co. Trouble Shooting - 298-9001
  - Miss Utility - 1-595-0100
  - Colonial Pipeline Co. - 795-1390
  - Bureau of Utilities, Howard County Dept. of Public Works - 992-2366
- Trees and shrubs are to be protected from damage to maximum extent. Trees and shrubs located within the construction strip are not to be removed or damaged by the contractor.
- Contractor shall remove trees, stumps and roots along line of excavation. Payment for the removal shall be included in the unit price bid for construction of the main.

PART II - WATER

- All water mains to be COPPER TYPE "K" unless otherwise noted.
- Tops of all water mains to have a minimum of 4.0' cover unless otherwise noted.
- Valves adjacent to tees shall be strapped to tees.
- All fittings shall be buttressed or anchored with concrete in accordance with the Standard Details unless otherwise provided for on the drawings.
- Fire hydrants shall be set to the bury line elevations shown on the drawings. All fire hydrants shall be strapped and buttressed with concrete in accordance with Standard Details. Soil around the fire hydrant shall be compacted in accordance with Section 1003 of the Standard Specifications.
- The contractor shall not operate any water main VALVES on the existing water system.

THE EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE BASED ON INFORMATION AVAILABLE FROM SURVEYS AND RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK AND FOR ANY DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO LOCATE OR PRESERVE THESE UNDERGROUND UTILITIES. IF DURING CONSTRUCTION OPERATION, THE CONTRACTOR SHOULD ENCOUNTER UTILITIES OTHER THAN THOSE SHOWN ON THE PLANS, HE SHALL IMMEDIATELY NOTIFY THE ENGINEER AND TAKE ALL NECESSARY AND PROPER STEPS TO PROTECT THE FACILITY AND ASSURE THE CONTINUANCE OF SERVICE.

PAVEMENT PATCHING DETAIL  
NOT TO SCALE  
(AS REQUIRED)



- CLEAN AND WET EDGES OF CUT BEFORE PLACING CONCRETE.
- PAVEMENT PATCH MATERIALS AND COURSE THICKNESS SHALL BE EQUAL TO EX. PAVING SECTION OR AS APPROVED BY D.P.W. THE MINIMUM PAVING PATCH SHALL CONSIST OF 3" BITUMINOUS CONC. SURFACE MATERIAL PLACED IN TWO 1 1/2" COURSES. BITUMINOUS CONC. BASE MATERIAL, WHEN PLACED SHALL NOT EXCEED 5" THICKNESS PER COURSE. STONE BASE MATERIAL SHALL NOT EXCEED 5" THICKNESS PER COURSE.
- PLACE HOT LIQUID ASPHALT (MR. "K" OR AS APPROVED BY D.P.W.) ALONG VERTICAL FACE OF EX. PAVING PRIOR TO PLACING NEW MATERIAL TO INSURE CONTINUOUS BOND UPON COMPLETION OF PAVING PATCH. THE HOT LIQUID ASPHALT SHALL BE BRUSHED INTO THE JOINT BETWEEN OLD AND NEW PAVING SURFACES TO PREVENT EXCESS LIQUID ASPHALT FROM BEING TRACKED BY TRAFFIC.

GENERAL NOTES

- APPROXIMATE LOCATION OF EXISTING MAIN ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EX. MAINS AND SERVICES, AND MAINTAIN UNINTERRUPTED SUPPLY AND DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT (I)-ELEVATIONS.
- THE CONTRACTOR SHALL LOCATE EX. UTILITIES A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN VICINITY OF UTILITIES.
- ALL WATER MAINS SHALL HAVE A MINIMUM OF 4'-0" COVER.
- BLOCK ALL FITTINGS WITH CONCRETE, SEE STANDARDS BOUND IN SPECIFICATIONS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 6", CLEAR ALL POLES BY A MINIMUM OF 2'-0" OR TUNNEL AS REQUIRED.
- ALL HORIZONTAL AND VERTICAL ARE IN HOWARD COUNTY DATUM, AS EXTENDED FROM MARYLAND PLANE SYSTEM.
- TIME OF CONNECTION TO EXISTING 6" WATER TO BE AS DIRECTED BY HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
- SPWMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARD SPECIFICATIONS AND SUP 57-151.
- SERVICE CLAMPS ARE TO HAVE STAINLESS STEEL STRAPS.
- ALL PLUMBING FIXTURES AND SANITARY SEWER/STORM INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY PLUMBING CODE.

CALL MISS UTILITY AT 1-800-257-7777 FOR UTILITY LOCATIONS AT LEAST 48 HOURS BEFORE BEGINNING CONSTRUCTION.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James J. [Signature] 2-23-90  
Director Date  
William E. [Signature] 2-7-90  
Chief, Bureau of Engineering Date

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. [Signature] 2-26-90  
County Health Officer Date

APPROVED: HOWARD COUNTY  
DEPARTMENT OF PLANNING & ZONING

[Signature] 2-27-90  
Planning Director Date  
Mark S. [Signature] 2-26-90  
Chief, Division of Community Planning and Land Development Date

APPROVED: DEPARTMENT OF PUBLIC WORKS  
FOR PUBLIC WATER AND SEWER AND STORM  
DRAINAGE SYSTEMS AND ROADS.

James J. [Signature] 2-23-90  
DIRECTOR, PUBLIC WORKS DATE  
William E. [Signature] 2-7-90  
CHIEF, BUREAU OF ENGINEERING DATE

[Signature]  
2/1/90

Dewberry & Davis  
Engineers Architects Planners Surveyors  
2594 Riva Road, Annapolis, MD 21401  
(301) 941-5811

OWNER  
HOWARD COUNTY D.P.W.  
1430 Court House Drive  
Ellicott City, MD 21043 Phone (301) 992-2040

Hammond  
Community Park

Capital Project N-3024

Hammond Park  
Murray Hill Plat No. 4591-4995, 4997, 5187,  
5237-5239, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
4th Election District

WATER EXTENSION  
PROFILES, NOTES  
& CERTIFICATIONS

Date  
DECEMBER 20, 1989

Designer Drafter

Scale Checked by

Drawing Number  
20

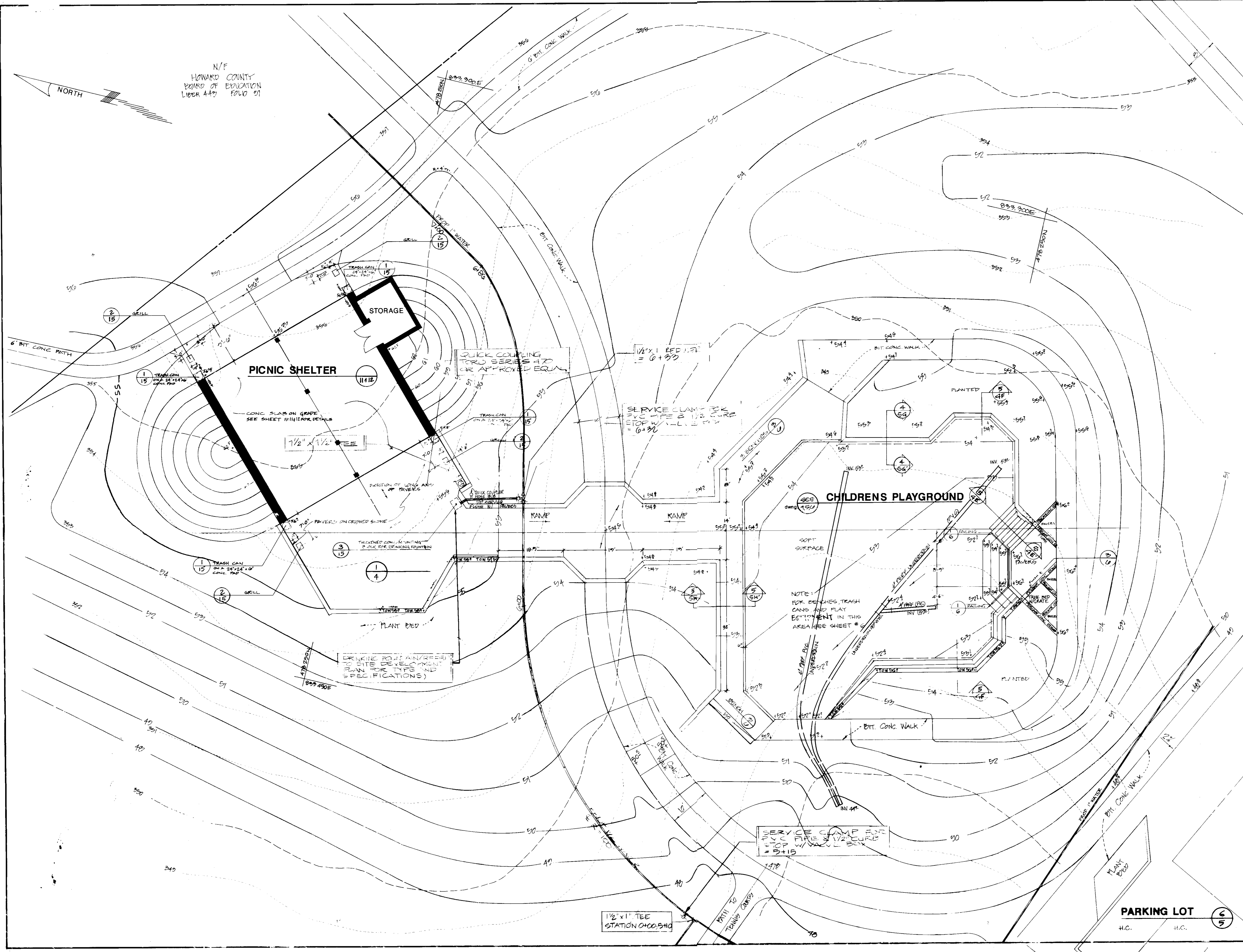
SDP-10-50

DATE	DESCRIPTION	BY
11-20-88	REVISED PLAN FOR DEWBERRY AND HOWARD COUNTY	W.A.J.
3-8-89	REVISED LOCATION OF 1 1/2" WATER AS PER LANDSCAPE ARCHITECT	W.A.J.
	REVISIONS	

1602

N/P  
HOWARD COUNTY  
BOARD OF EDUCATION  
LIBER 443 FOLD 91

GENERAL NOTES  
1. FOR LOCATION OF DRINKING FOUNTAIN SEE WATER/EXTENSION PLAN SHEET C-3. (FOR SOFTBALL FIELD)



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James M. [Signature]* 2/23/90  
Director Date

*William B. [Signature]* 2-1-90  
Chief, Bureau of Engineering Date

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

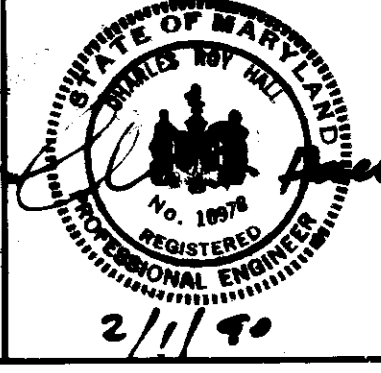
*James M. [Signature]* 2/26/90  
County Health Officer Date

APPROVED: HOWARD COUNTY  
DEPARTMENT OF PLANNING & ZONING

*[Signature]* 2.27.90  
Planning Director Date

*Mark J. [Signature]* 2/27/90  
Chief, Division of Community Planning and Land Development Date

REVISIONS		
DATE	BY	DESCRIPTION



**Dewberry & Davis**  
Engineers Architects Planners Surveyors  
2594 Riva Road, Annapolis, MD 21401  
☎ (301) 841-6811

OWNER  
HOWARD COUNTY, D.P.W.  
3430 Court House Drive  
Ellicott City, MD 21043 Phone (301) 992-2040

**Hammond Community Park**  
Capital Project N-3024

Hammond Park  
Murray Hill Plat Nos. 4991-4995, 4997, 5107, 5231-5233, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

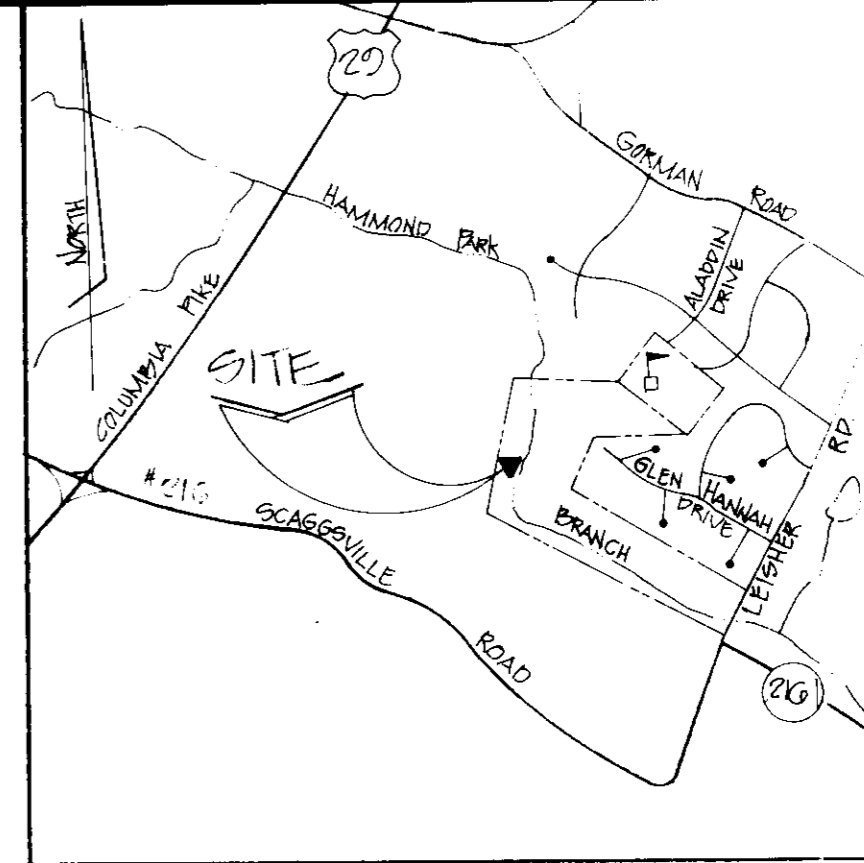
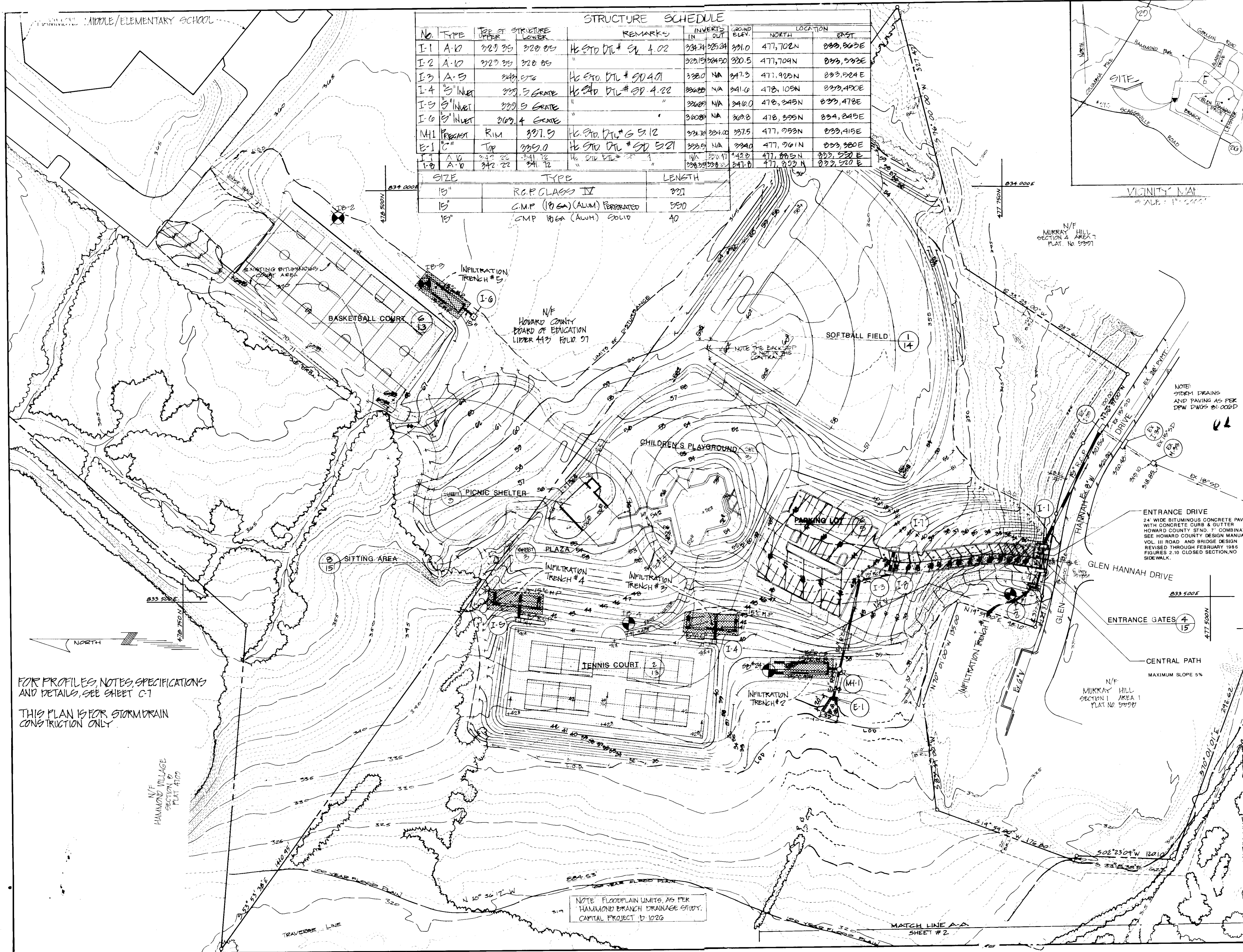
Title  
**WATER CONNECTION PLAN**

Date DECEMBER 20, 1989	Drawing Number <b>21</b>
Designer BYRNE KELLY	Drafter A. SIMMONS
Scale 1" = 10'	Checked by C.E.B. W.C.L.

STRUCTURE SCHEDULE									
NO.	TYPE	TYPE OF STRUCTURE		REMARKS	INVERTS		LOCATION		
		UPPER	LOWER		IN	OUT	GROUND ELEV.	NORTH	EAST
I-1	A-10	323.35	320.85	H.C. STD. DTL # SD 4.02	323.74	325.24	321.0	477.702N	833.803E
I-2	A-10	322.35	320.85	"	323.15	324.50	320.5	477.709N	833.593E
I-3	A-5	343.076		H.C. STD. DTL # SD 4.01	328.0	NA	347.3	477.925N	833.524E
I-4	5" INLET	329.0	5 GRATE	H.C. STD. DTL # SD 4.22	326.88	NA	341.6	478.105N	833.490E
I-5	5" INLET	329.0	5 GRATE	"	326.88	NA	340.0	478.245N	833.478E
I-6	5" INLET	329.4	4 GRATE	"	326.88	NA	340.8	478.395N	834.245E
MH-1	PRECAST RIM	327.5		H.C. STD. DTL # G 5.12	324.70	324.00	327.5	477.953N	833.415E
E-1	C" TOP	325.0		H.C. STD. DTL # SD 5.21	323.5	NA	329.0	477.916N	833.380E
I-7	A-10	323.35	321.12	H.C. STD. DTL # SD 4.02	NA	320.41	343.8	477.985N	833.550E
I-8	A-10	322.22	321.12	"	328.29	328.22	341.0	477.932N	833.550E

SIZE	TYPE	LENGTH
10"	R.C.P CLASS IV	221
15"	C.M.P (18GA) (ALUM) PERFORATED	550
15"	C.M.P (18GA) (ALUM) SOLID	40



**LEGEND**

PROPOSED PAVEMENTS

- BITUMINOUS CONCRETE PAVING - WALKS
- CONCRETE PAVING
- UNI-DECOR PAVERS
- PARKING & DRIVEWAY

**GENERAL NOTES**

FOR PARKING LOT DRIVEWAY PAVING SECTIONS REFER TO HOWARD COUNTY D.P.W. PAVING SECTION P-1 WITH STANDARD 7" COMBINATION CURB & GUTTER.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James J. Sh...* 2.23.90  
Director Date

*William E. Ray* 2.1.90  
Chief, Bureau of Engineering Date

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*James M. Br...* 2.16.90  
County Health Officer Date

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

*...* 2.27.90  
Planning Director Date

*David A. ...* 2/2/90  
Chief, Division of Community Planning and Land Development Date

**REVISIONS**

DATE	BY	DESCRIPTION

**STATE OF MARYLAND PROFESSIONAL ENGINEER**  
2/1/90

**Dewberry & Davis**  
Engineers Architects Planners Surveyors  
2104 Row Road, Annapolis, MD 21401  
26 (301) 841-6811

Owner  
HOWARD COUNTY D.P.W.  
3430 Court House Drive  
Ellicott City, MD 21043 Phone (301) 992-2040

**Hammond Community Park**  
Capital Project N-3024

Hammond Park  
Murray Hill Plat Nos. 4991-4995, 4997, 5187, 5231-5233, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

Title  
**STORM DRAIN STORM WATER MANAGEMENT PLAN**

Date  
DECEMBER 20, 1989

Drawing Number  
**22**

Designer  
D. KELLY  
E. AUSTIN

Drafter  
D. KELLY  
R. MOSELEY

Scale  
1" = 50'

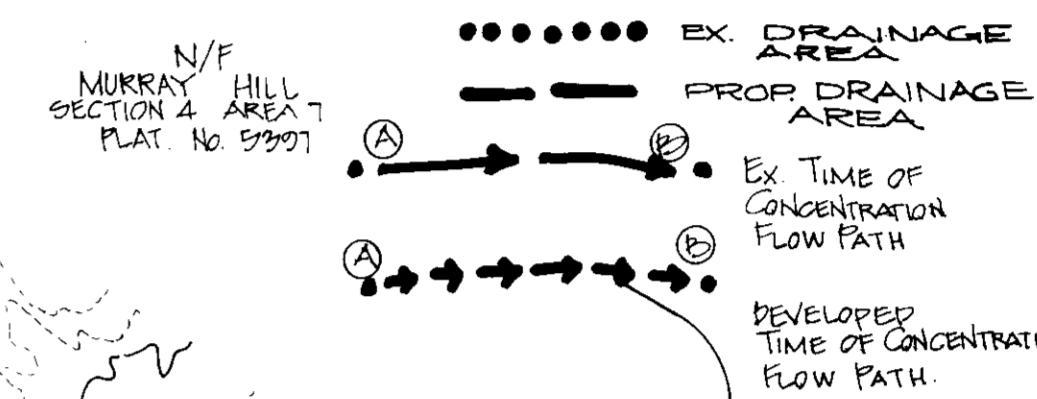
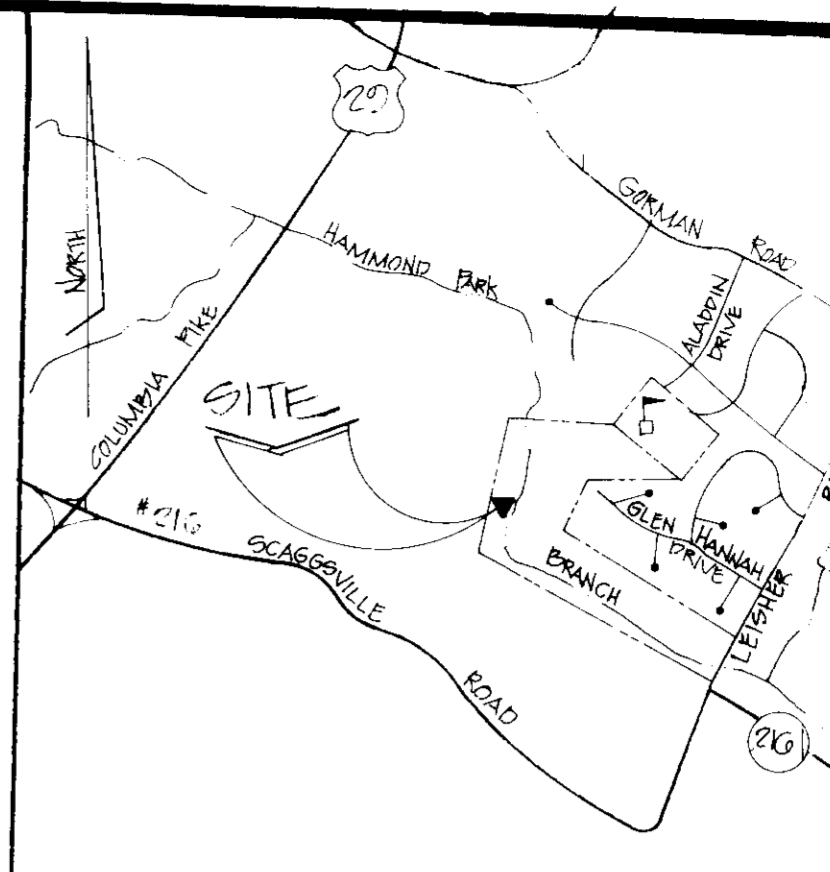
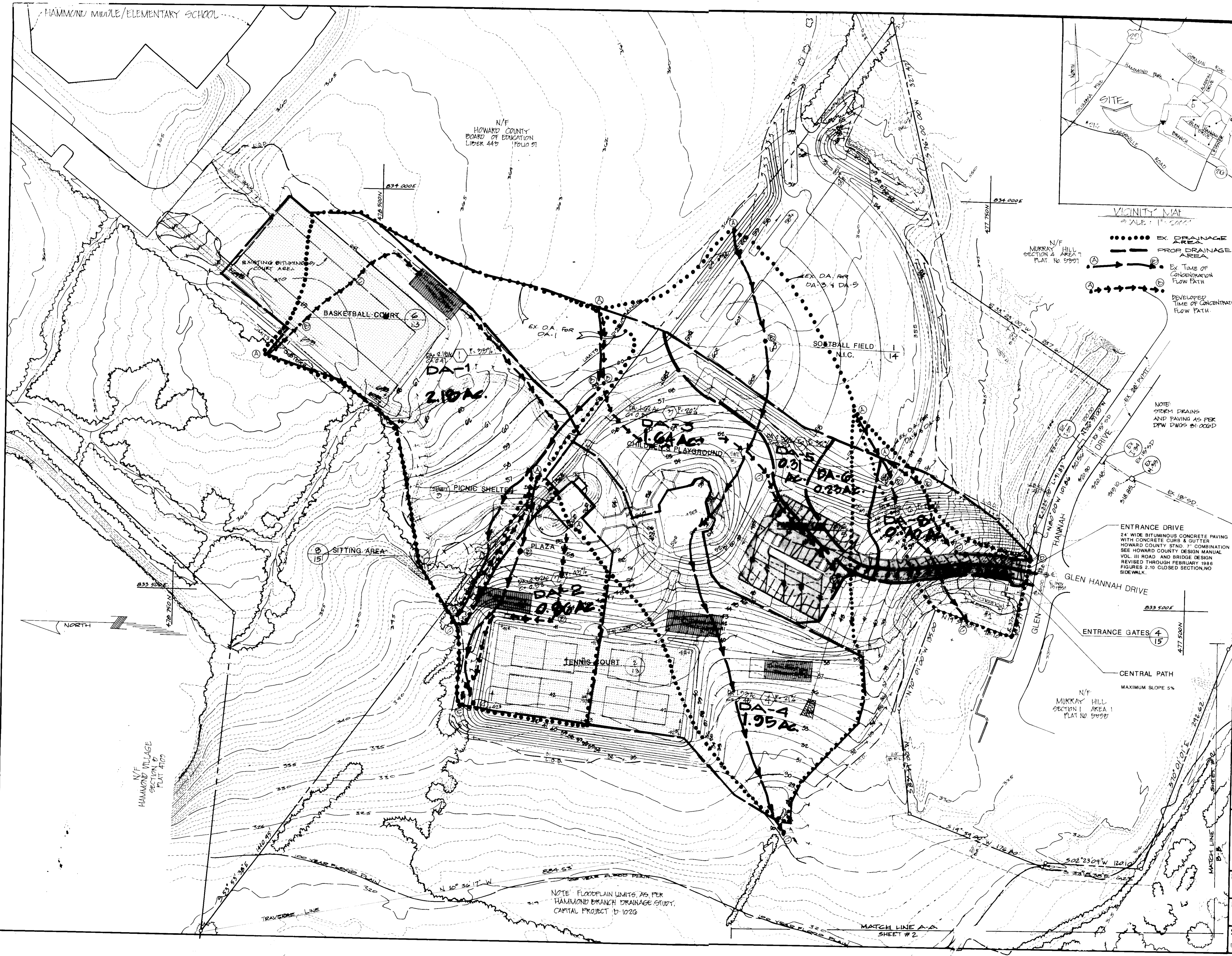
Checked by  
T. ...  
2/2/90

FOR PROFILES, NOTES, SPECIFICATIONS AND DETAILS, SEE SHEET C-1  
THIS PLAN IS FOR STORM DRAIN CONSTRUCTION ONLY

NOTE: FLOODPLAIN LIMITS, AS PER HAMMOND BRANCH DRAINAGE STUDY, CAPITAL PROJECT D 1026

1002





- LEGEND**
- PROPOSED PAVEMENTS
- BITUMINOUS CONCRETE PAVING - WALKS
  - CONCRETE PAVING
  - UNI-DECOR PAVERS
  - PARKING & DRIVEWAY

**GENERAL NOTES**

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James M. ...* 2-25-90  
Director Date

*...* 2-7-90  
Chief, Bureau of Engineering Date

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*James M. ...* 2-27-90  
County Health Officer Date

APPROVED: HOWARD COUNTY  
DEPARTMENT OF PLANNING & ZONING

*...* 2-27-90  
Planning Director Date

*...* 2-27-90  
Chief, Division of Community Planning and Land Development Date

NOTE: STREAM DRAINS AND PAVING AS PER DPW DWGS 01-000D

REVISIONS		
DATE	BY	DESCRIPTION

**Dewberry & Davis**  
Engineers Architects Planners Surveyors  
2594 Riva Road, Annapolis, MD 21401  
(301) 841-6811

Owner  
HOWARD COUNTY D.P.W.  
3430 Court House Drive  
Elliott City, MD 21043 Phone (301) 992-2040

**Hammond Community Park**  
Capital Project N-3024

Hammond Park  
Murray Hill Plat Nos. 4991-4995, 4997, 5187, 5231-5233, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

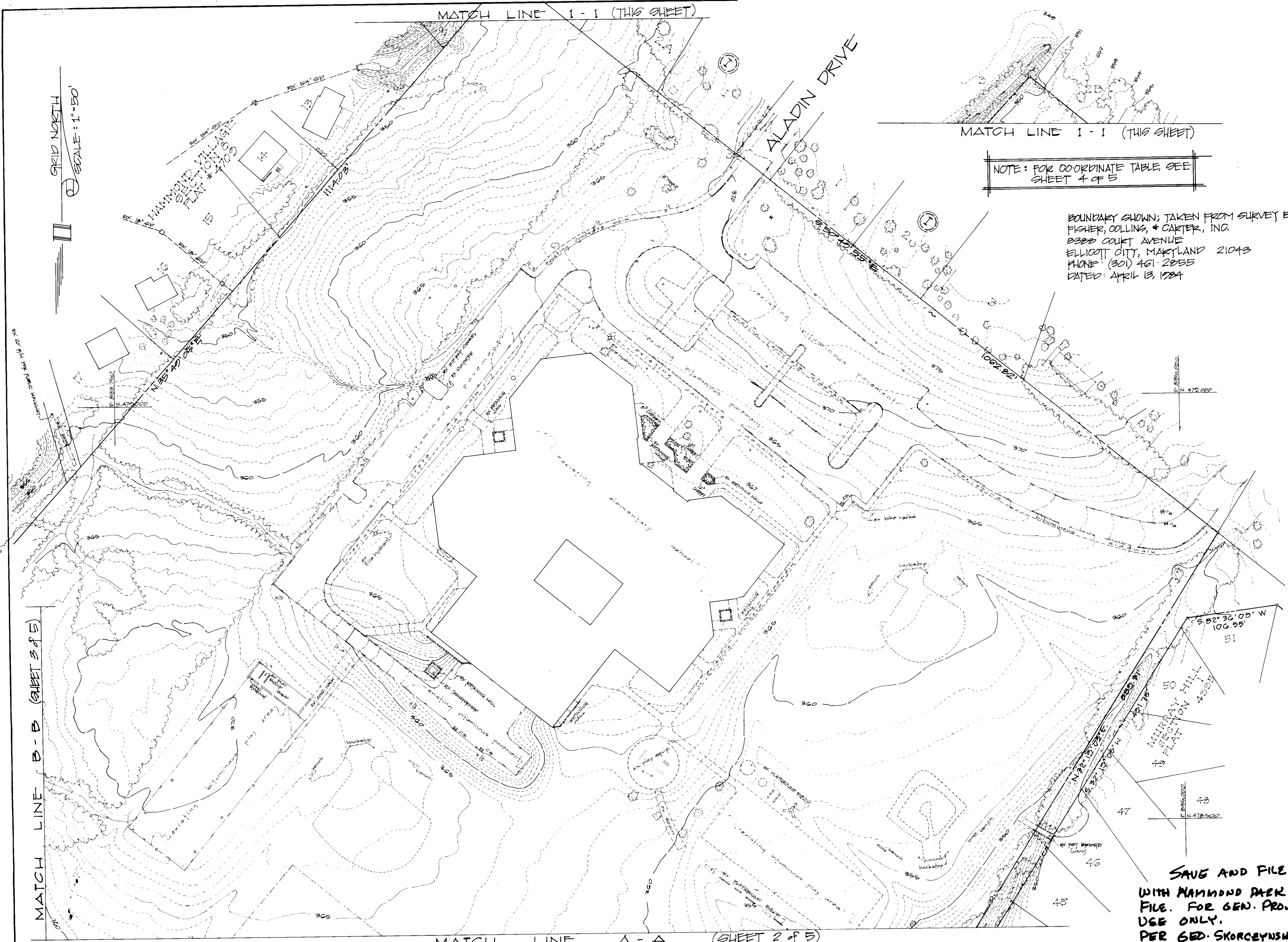
Title  
**DRAINAGE AREA MAP**

Date DECEMBER 20, 1989	Drawing Number <b>24</b>
Designer B. KELLY	Drafter B. KELLY
Scale 1" = 50'	Checked by

2001



1602



NOTE: FOR COORDINATE TABLE SEE SHEET 4 OF 5

BOUNDARY SHOWN; TAKEN FROM SURVEY BY FISHER, COLLINS, & CARTER, INC. 8388 COURT AVENUE ELLICOTT CITY, MARYLAND 21043 PHONE: (301) 461-2855 DATED: APRIL 13, 1984

**SAVE AND FILE WITH HAMMOND PARK FILE. FOR GEN. PROJ. USE ONLY. PER GED. SKORCEYNSKI 12-20-90**

Approved: HOWARD COUNTY DEPARTMENT OF RECREATION & PARKS	Director _____ Date _____
Approved: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS for storm drainage systems and roads	Director _____ Date _____
Chief, Bureau of Engineering _____ Date _____	
Approved: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS for public water and public sewerage systems	Chief, Bureau of Utilities _____ Date _____
Approved: HOWARD COUNTY HEALTH DEPARTMENT for private water and private sewerage systems	County Health Officer _____ Date _____
Approved: HOWARD COUNTY OFFICE OF PLANNING & ZONING	Planning Director _____ Date _____
Chief, Division of Land Development and Zoning Administration _____ Date _____	



**JOYCE ENGINEERING CORP.**  
Professional Engineers - Land Planning - Surveying  
TWIN CHIMNEYS OFFICE PARK  
10766 Baltimore Avenue Beltsville, MD 20705  
(301)595-4353

Owner  
HOWARD COUNTY D.P.W.  
3430 Court House Drive  
Ellicott City, MD 21043 Phone (301) 992-2040

## Hammond Community Park

Capital Project N-3024

Hammond Park  
Murray Hill Plat Nos. 4991-4995, 4997, 5187, 5231-5233, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

Title  
**TOPOGRAPHY**

Date _____	Designer _____	Drafter _____	Drawing Number <b>1</b> of <u>5</u>
Scale 1" = 50'	Checked by _____		

MATCH LINE Δ - A (SHEET 1 OF 5)

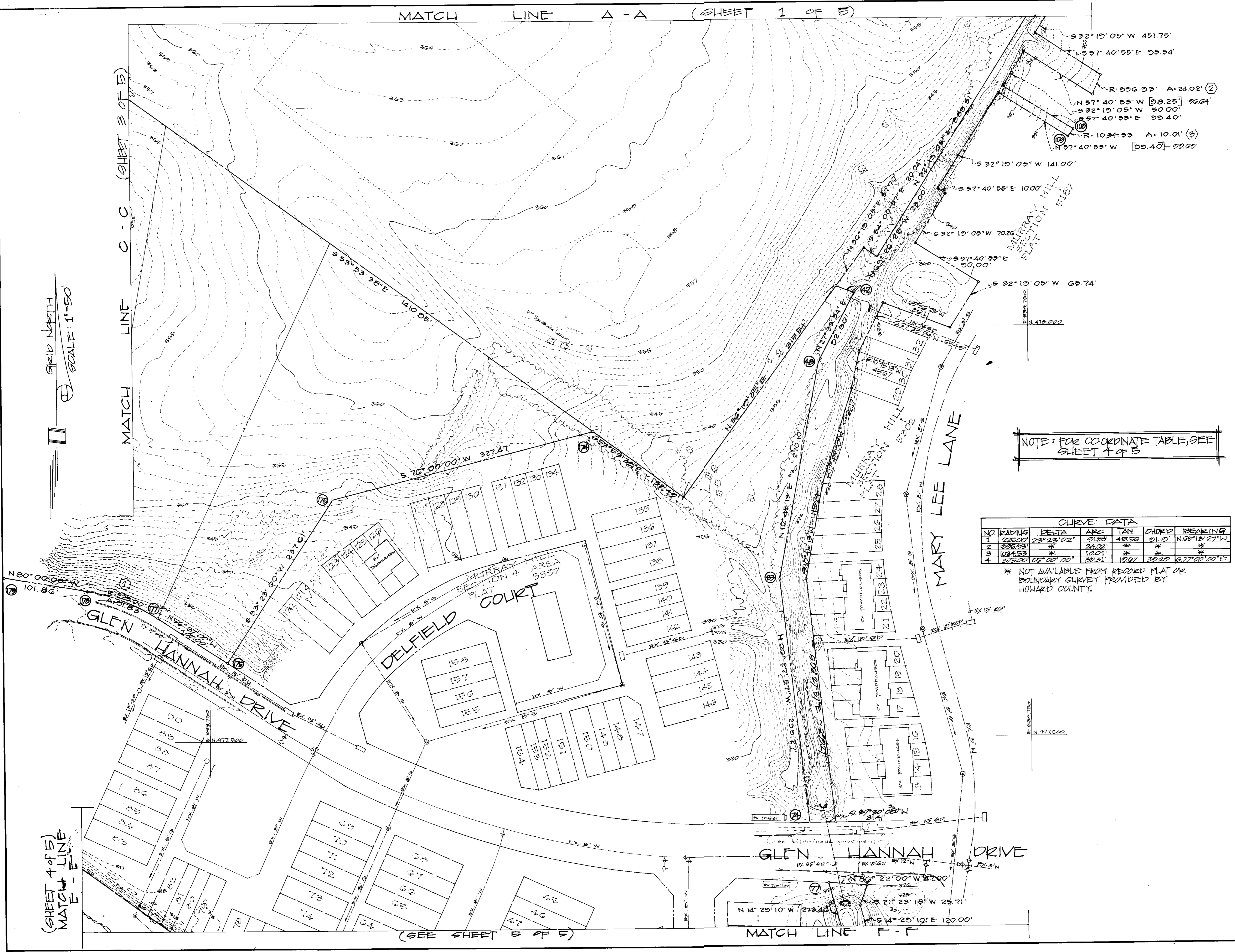
GRID NORTH  
SCALE: 1"=50'

MATCH LINE C - C (SHEET 3 OF 5)

(SHEET 4 OF 5)  
MATCH LINE E - E

(SEE SHEET 5 OF 5)

MATCH LINE F - F



NOTE: FOR COORDINATE TABLE, SEE SHEET 4 OF 5

NO	RADIUS	DELTA	ARC	TAN.	CHORD	BEARING
1	225.00'	23°23'02"	21.83'	48.58'	21.12'	N 62°18'27" W
2	225.00'	*	24.02'	*	*	*
3	1024.53'	*	10.01'	*	*	*
4	275.00'	66°00'00"	28.31'	12.67'	39.22'	S 77°00'00" E

\* NOT AVAILABLE FROM RECORD PLAT OR BOUNDARY SURVEY PROVIDED BY HOWARD COUNTY.

Approved: HOWARD COUNTY  
DEPARTMENT OF RECREATION & PARKS  
Director \_\_\_\_\_ Date \_\_\_\_\_

Approved: HOWARD COUNTY  
DEPARTMENT OF PUBLIC WORKS  
for storm drainage systems and roads  
Director \_\_\_\_\_ Date \_\_\_\_\_  
Chief, Bureau of Engineering \_\_\_\_\_ Date \_\_\_\_\_

Approved: HOWARD COUNTY  
DEPARTMENT OF PUBLIC WORKS  
for public water and public sewerage systems  
Chief, Bureau of Utilities \_\_\_\_\_ Date \_\_\_\_\_

Approved: HOWARD COUNTY  
HEALTH DEPARTMENT  
for private water and private sewerage systems  
County Health Officer \_\_\_\_\_ Date \_\_\_\_\_

Approved: HOWARD COUNTY  
OFFICE OF PLANNING & ZONING  
Planning Director \_\_\_\_\_ Date \_\_\_\_\_  
Chief, Division of Land Development  
and Zoning Administration \_\_\_\_\_ Date \_\_\_\_\_



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Owner  
HOWARD COUNTY D.P.W.  
3430 Court House Drive  
Ellicott City, MD 21043 Phone (301) 992-2040

**Hammond  
Community Park**  
Capital Project N-3024

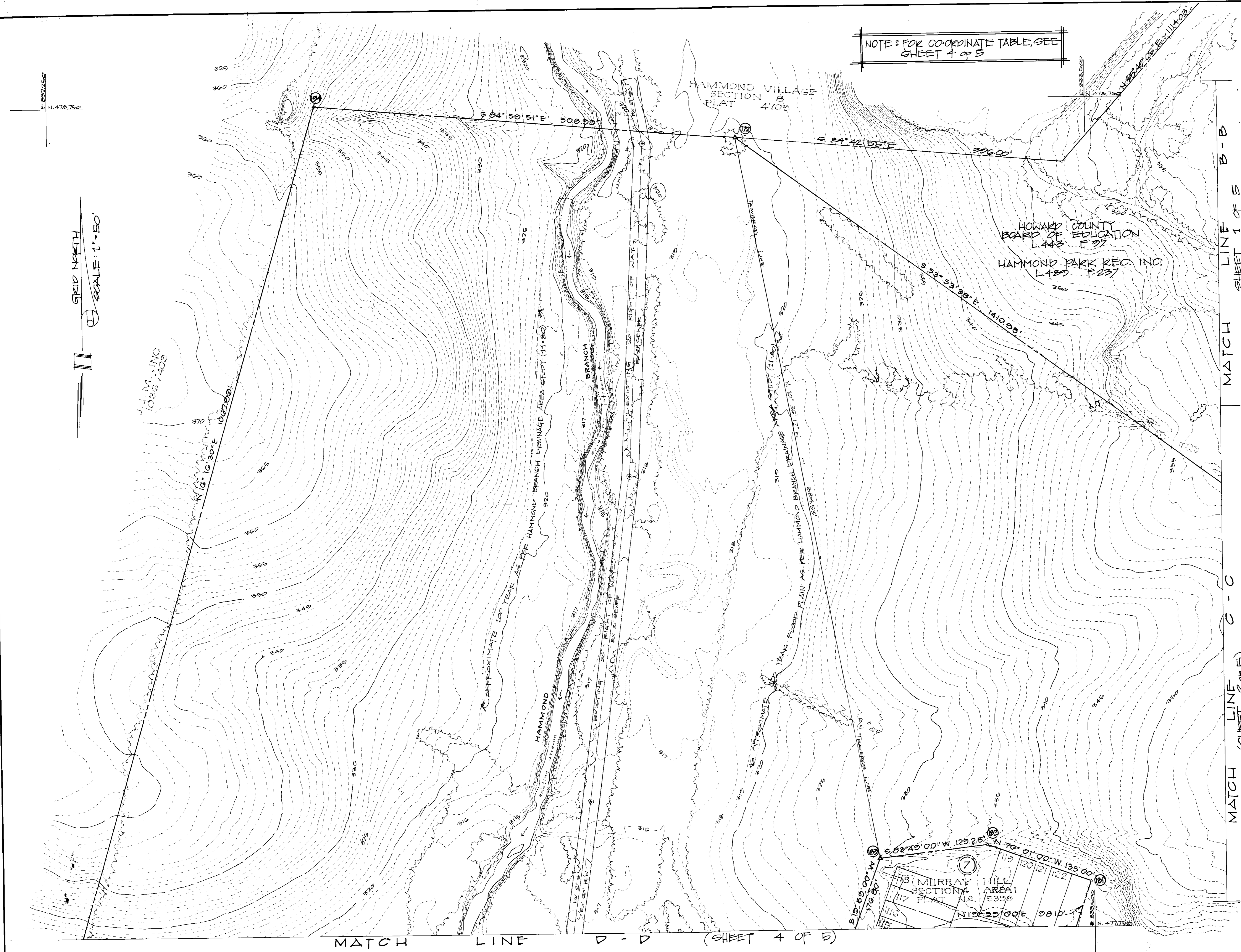
Hammond Park  
Murray Hill Plat Nos. 4991-4995, 4997, 5187,  
5231-5233, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

Title  
**TOPOGRAPHY**

Date	Drawing Number
Designer	Drafter
Scale	Checked by
1"=50'	of 5

1002

1602



NOTE: FOR COORDINATE TABLE, SEE SHEET 4 OF 5

Approved: HOWARD COUNTY DEPARTMENT OF RECREATION & PARKS	
Director	Date
Approved: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS for storm drainage systems and roads	
Director	Date
Approved: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS for public water and public sewerage systems	
Chief, Bureau of Engineering	Date
Approved: HOWARD COUNTY HEALTH DEPARTMENT for private water and private sewerage systems	
County Health Officer	Date
Approved: HOWARD COUNTY OFFICE OF PLANNING & ZONING	
Planning Director	Date
Chief, Division of Land Development and Zoning Administration	



JOYCE ENGINEERING CORP.  
Professional Engineers - Land Planning - Surveying  
TWIN CHIMNEYS OFFICE PARK  
10766 Baltimore Avenue Beltsville, MD 20705  
(301)595-4353

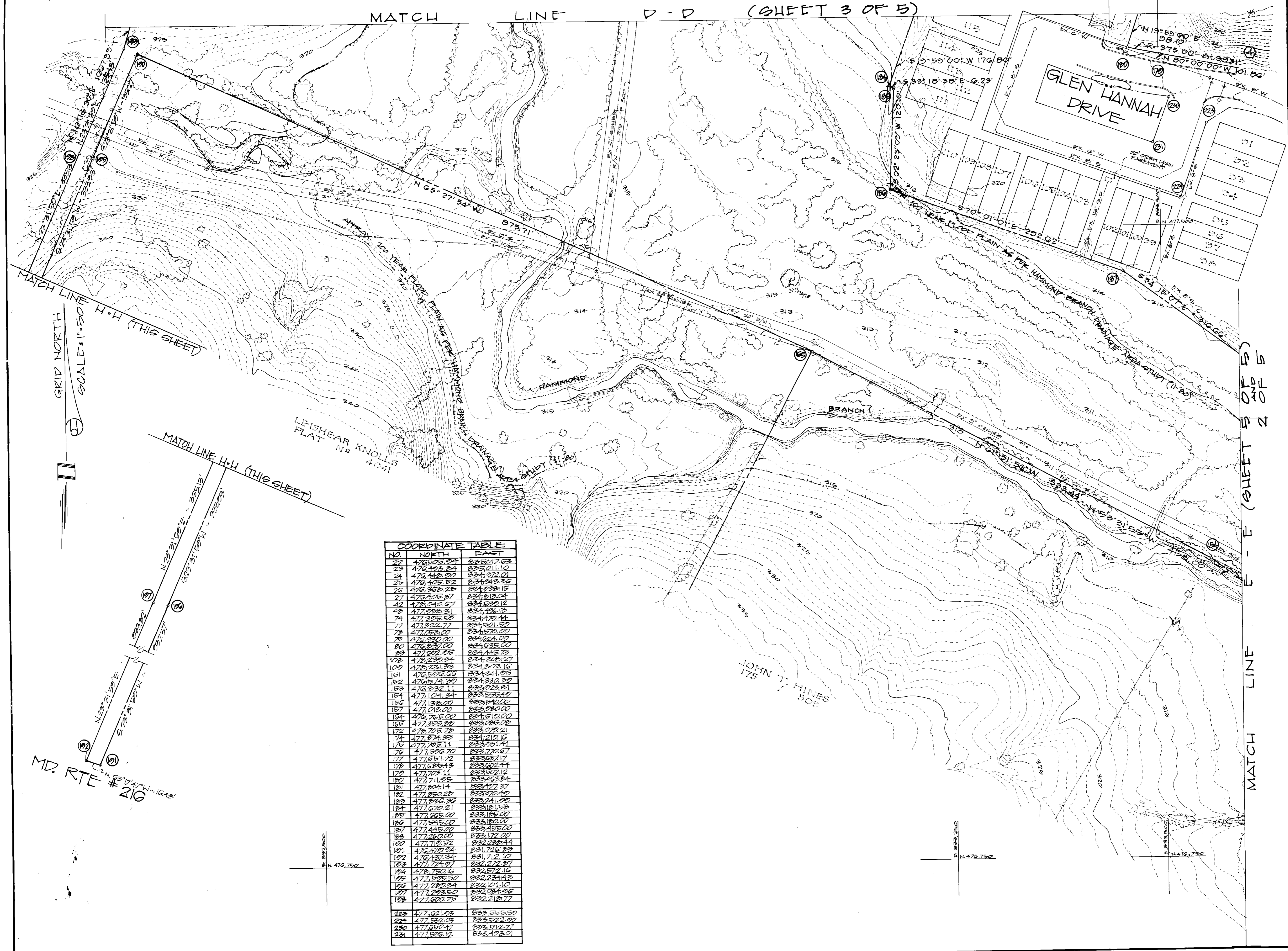
Owner  
HOWARD COUNTY D.P.W.  
1430 Court House Drive  
Ellicott City, MD 21043 Phone (301) 992-2040

## Hammond Community Park

Capital Project N-3024

Hammond Park  
Murray Hill Plat Nos. 4991-4995, 4997, 5187,  
5237-5239, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

Title <b>TOPOGRAPHY</b>	
Date	Drawing Number <b>3</b>
Designer	Drafter
Scale 1" = 50'	Checked by of 5



COORDINATE TABLE

NO.	NORTH	EAST
22	476505.24	825017.03
23	476492.84	825011.10
24	476448.90	824983.30
25	476405.52	824943.30
26	476362.28	824898.15
27	476405.87	824813.04
42	476340.67	824622.12
43	477098.31	824426.13
74	477395.59	824420.44
77	477357.77	824351.59
78	477058.07	824320.00
79	476930.00	824164.00
80	476830.00	824035.00
83	477022.05	824145.73
103	478230.24	824200.27
109	478231.32	824128.16
131	476520.00	824324.00
132	476524.00	824330.50
133	476532.11	824223.81
134	477104.34	823522.40
156	477132.00	823842.00
157	477013.00	823520.00
164	476765.00	824161.00
165	477355.00	823805.00
172	478705.78	823023.21
174	477874.33	824210.16
175	477705.11	823201.41
176	477526.70	823720.67
177	477651.72	823627.17
178	477688.43	823602.44
179	477723.11	823572.10
180	477711.05	823463.84
181	477804.14	823477.37
182	477850.28	823370.42
183	477836.36	823241.00
184	477670.21	823181.58
185	477662.00	823184.00
186	477545.00	823155.00
188	477460.00	823172.00
190	477110.52	822222.44
191	476422.04	821726.83
192	476437.34	821712.10
193	477124.97	822272.87
194	478572.10	822572.10
195	477138.50	822224.43
196	477122.34	822101.10
197	477122.50	822084.06
198	477160.75	822212.77
223	477122.03	823355.50
224	477152.03	823352.00
225	477150.47	823351.77
231	477526.12	823492.01

Approved: HOWARD COUNTY  
DEPARTMENT OF RECREATION & PARKS  
Director \_\_\_\_\_ Date \_\_\_\_\_

Approved: HOWARD COUNTY  
DEPARTMENT OF PUBLIC WORKS  
for storm drainage systems and roads  
Director \_\_\_\_\_ Date \_\_\_\_\_

Approved: HOWARD COUNTY  
DEPARTMENT OF PUBLIC WORKS  
for public water and public sewerage systems  
Chief, Bureau of Engineering \_\_\_\_\_ Date \_\_\_\_\_

Approved: HOWARD COUNTY  
HEALTH DEPARTMENT  
for private water and private sewerage systems  
County Health Officer \_\_\_\_\_ Date \_\_\_\_\_

Approved: HOWARD COUNTY  
OFFICE OF PLANNING & ZONING  
Planning Director \_\_\_\_\_ Date \_\_\_\_\_

Chief, Division of Land Development and Zoning Administration \_\_\_\_\_ Date \_\_\_\_\_

**JOYCE ENGINEERING CORP.**  
Professional Engineers - Land Planning - Surveying  
TWIN CHIMNEYS OFFICE PARK  
10766 Baltimore Avenue Beltsville, MD 20705  
(301)595-4353

Owner  
HOWARD COUNTY D.P.W.  
3430 Court House Drive  
Ellicott City, MD 21043 Phone (301) 992-2040

## Hammond Community Park

Capital Project N-3024

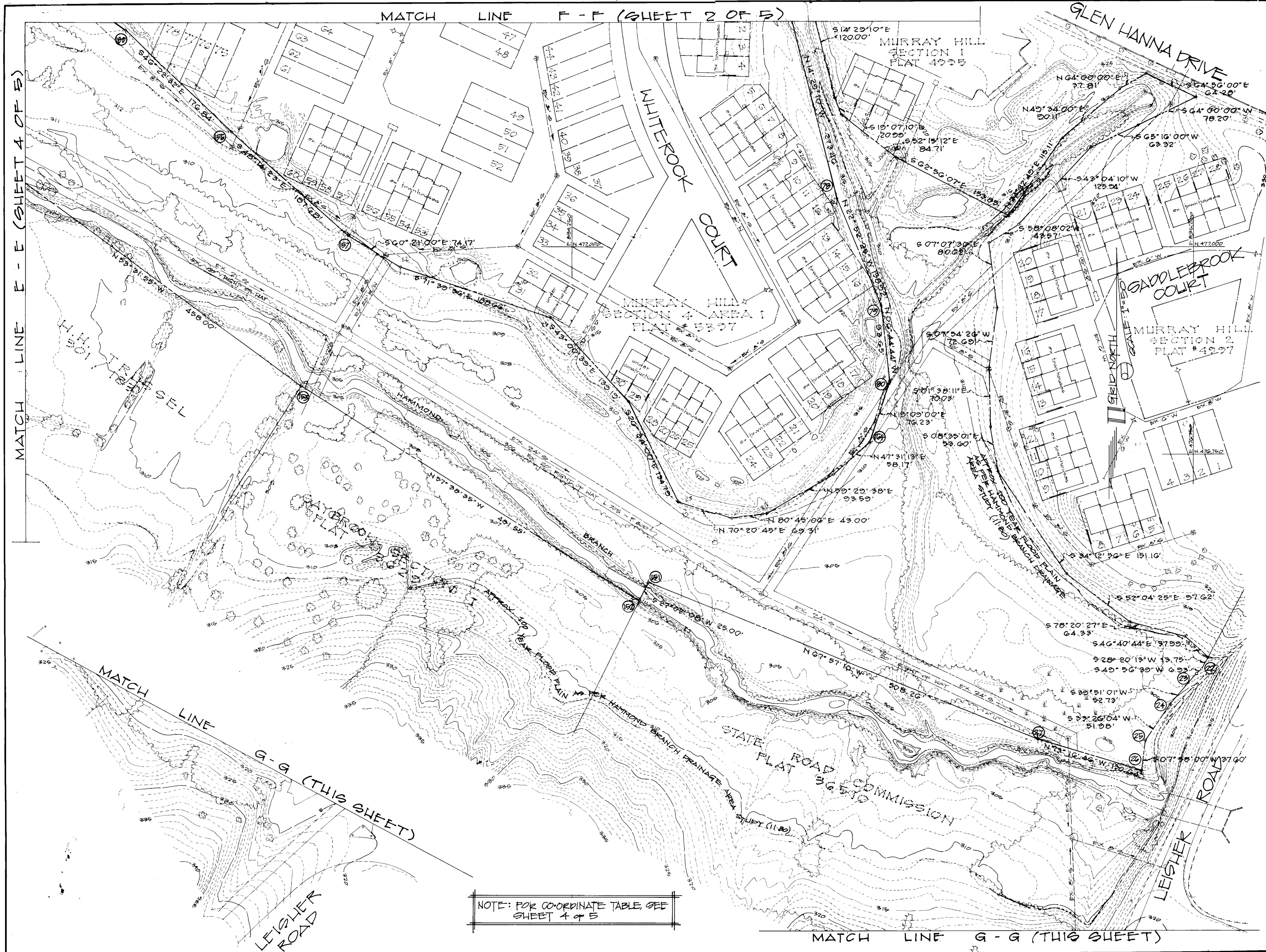
Hammond Park  
Murray Hill Plat Nos. 4991-4995, 4997, 5187,  
5231-5233, 5301, 5302, and 5397  
Hammond Middle/Elementary School  
Liber 443, Folio 97  
6th Election District

Title: **TOPOGRAPHY**

Date _____		Drawing Number <b>4</b>	
Designer _____	Drafter _____		
Scale <b>1"=50'</b>	Checked by _____		

of **5**

1609



Approved: HOWARD COUNTY DEPARTMENT OF RECREATION & PARKS	
Director	Date
Approved: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS for storm drainage systems and roads	
Director	Date
Chief, Bureau of Engineering	
Approved: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS for public water and public sewerage systems	
Chief, Bureau of Utilities	
Approved: HOWARD COUNTY HEALTH DEPARTMENT for private water and private sewerage systems	
County Health Officer	
Approved: HOWARD COUNTY OFFICE OF PLANNING & ZONING	
Planning Director	
Chief, Division of Land Development and Zoning Administration	
<b>JOY ENGINEERING CORP.</b> Professional Engineers - Land Planning - Surveying TWIN CHIMNEYS OFFICE PARK 10766 Baltimore Avenue Beltsville, MD 20705 (301)595-4353	
Owner HOWARD COUNTY D.P.W. 3430 Court House Drive Elkocott City, MD 21043 Phone (301) 992-2040	
<h1>Hammond Community Park</h1> <p>Capital Project N-3024</p>	
Hammond Park Murray Hill Plat Nos. 4991-4995, 4997, 5187, 5231-5233, 5301, 5302, and 5397 Hammond Middle/Elementary School Liber 443, Folio 97 6th Election District	
Title TOPOGRAPHY	
Date	Drawing Number 5
Designer	Drafter
Scale 1"=50'	Checked by of 5

1602