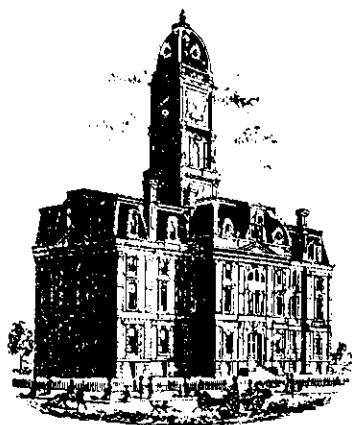


Drain: INTRACOSTAL AT GEIST Drain #: 334
Improvement/Arm: SECTIONS 2A, 2C & 3A
Operator: JH, JWL Date: 3-30-04
Drain Classification: Urban/Rural Year Installed: 2003

GIS Drain Input Checklist

- Pull Source Documents for Scanning JCH
- Digitize & Attribute Tile Drains _____
- Digitize & Attribute Storm Drains _____
- Digitize & Attribute SSD _____
- Digitize & Attribute Open Ditch _____
- Stamp Plans _____
- Sum drain lengths & Validate _____
- Enter Improvements into Posse LLM
- Enter Drain Age into Posse Jeff 5-20
- Sum drain length for Watershed in Posse Jeff 3-30
- Check Database entries for errors _____



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

Phone (317) 776-8495

Fax (317) 776-9628

Suite 188

One Hamilton County Square

Noblesville, Indiana 46060-2230

December 18, 2003

To: Hamilton County Drainage Board

Re: The Intracoastal at Geist Drain, Section 3A Arm

Attached is a petition filed by Centex Homes along with a non-enforcement request, plans, calculations, quantity summary and assessment roll for the Section 3A Arm, The Intracoastal at Geist Drain to be located in Fall Creek Township. I have reviewed the submittals and petition and have found each to be in proper form.

I have made a personal inspection of the land described in the petition. Upon doing so, I believe that the drain is practicable, will improve the public health, benefit a public highway, and be of public utility and that the costs, damages and expenses of the proposed drain will probably be less than the benefits accruing to the owners of land likely to be benefited. The drain will consist of the following:

| | | | | | |
|---------|---------|---------|---------|------------|--------|
| 6" SSD | 684 ft. | 42" RCP | 35 ft. | Open Ditch | 10 ft. |
| 12" RCP | 24 ft. | 48" RCP | 310 ft. | | |

The total length of the drain will be 1,063 feet.

The portion of open ditch listed above is that section between Structure 156 and the 12" RCP in the 113th Street right-of-way under the walking path.

The subsurface drains (SSD) to be part of the regulated drain are those located under the curbs. Only the main SSD lines which are located within the right of way are to be maintained as regulated drain. Laterals for individual lots will not be considered part of the regulated drain.

I have reviewed the plans and believe the drain will benefit each lot equally. Therefore, I recommend each lot be assessed equally. I also believe that no damages will result to landowners by the construction of this drain. I recommend a maintenance assessment of \$5.00 per acre for common areas, \$65.00 for platted lots, \$ 10.00 per acre for roadways, with a \$65.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$ 795.30.

The petitioner has submitted surety for the proposed drain at this time. Surety shall be submitted prior to the approval of the Hamilton County Board of Commissioners/commencement of construction. The sureties which are in the form of a Performance Bond are as follows:

Agent: Safeco Insurance Co. of America
Date: September 12, 2003
Number: 6236224
For: Erosion Control
Amount: \$4,325.56

Agent: Safeco Insurance Co. of America
Date: September 12, 2003
Number: 6236223
For: Storm Sewer
Amount: \$40,233.00

I believe this proposed drain meets the requirements for Urban Drain Classification as set out in IC 36-9-27-67 to 69. Therefore, this drain shall be designated as an Urban Drain.

I recommend that upon approval of the above proposed drain that the Board also approve the attached non-enforcement request. The request is for the reduction of the regulated drain easement to those easement widths as shown on the secondary plat for The Intracoastal at Geist, Section 3A as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for January 26, 2004.



Kenton C. Ward
Hamilton County Surveyor

KCW/pll

STATE OF INDIANA)
)
COUNTY OF HAMILTON)

TO: HAMILTON COUNTY DRAINAGE BOARD

% Hamilton County Surveyor, Courthouse, Noblesville, IN 46060

The Intracoastal

In the matter of at Geist Subdivision, Section 3A Drain

Petition.

Petitioner is the owner of all lots in the land affected by the proposed new regulated drain. The drainage will affect various lots in The Intracoastal at Geist, Sec. 3Aa subdivision in Hamilton County, Indiana. The general route of such drainage shall be in existing easements and along public roads as shown in the plans on file in the Surveyor's Office.

Petitioner believes that the cost, damages and expenses of the proposed improvement will be less than the benefits which will result to the owners of the land likely to be benefitted thereby. Petitioner believes the proposed improvements will:

- (a) improve public health
- (b) benefit a public street
- (c) be of public utility

Petitioner agrees to pay the cost of construction of the drainage system and requests periodic maintenance assessments by the Board thereafter.

The Petitioner also agrees to the following:

1. To provide the Drainage Board a Performance Bond for the portion of the drainage system which will be made a regulated drain. The bond will be in the amount of 100% of the Engineers estimate. The bond will be in effect until construction of 100% of the system is completed and so certified by the Engineer.
2. The Petitioner shall retain an Engineer throughout the construction phase. At completion of the project the Petitioner's Engineer shall certify that the drainage system which is to be maintained as a regulated drain has been constructed as per construction plans.

3. The Petitioner agrees to request in writing to the County Surveyor any changes from the approved plan and must receive written authorization from the County Surveyor prior to implementation of the change. All changes shall be documented and given to the Surveyor to be placed in the Drain File.
4. The Petitioner shall instruct his Engineer to provide a reproducible print on a 24" x 36" mylar of the final design of the Drainage System. This shall be submitted to the County Surveyor prior to the release of the Performance Bond.
5. The Petitioner shall comply with the Erosion Control Plan as specified on the construction plans. Failure to comply with the Erosion Control Plan shall be determined by the Board as being an obstruction to the drainage system. The County Surveyor shall immediately install or repair the needed measures at Petitioner cost as per IC 36-9-27-46.

The Petitioner further requests that the Drain be classified as an Urban Drain.



Thomas L. Kutz, Land Development Manager

Printed Name

Signed Centex Homes, A Nevada General Partnership
By: Centex Real Estate Corporation, A Nevada
Corporation Its: Managing General Partner

Printed Name

RECORDED OWNER(S) OF LAND INVOLVED

DATE _____

FINDINGS AND ORDER

CONCERNING THE MAINTENANCE OF THE

The Intracoastal at Geist Drain, Section 3A Arm


On this *26th day of January 2004*, the Hamilton County Drainage Board has held a hearing on the Maintenance Report and Schedule of Assessments of *The Intracoastal at Geist Drain, Section 3A Arm*.

Evidence has been heard. Objections were presented and considered. The Board then adopted the original/amended Schedule of Assessments. The Board now finds that the annual maintenance assessment will be less than the benefits to the landowners and issues this order declaring that this Maintenance Fund be established.


HAMILTON COUNTY DRAINAGE BOARD



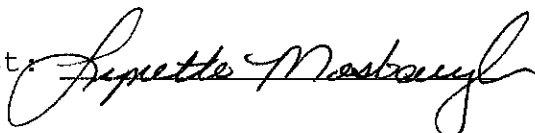
President



Member



Member

Attest: 

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF
The Intracoastal at Geist Drain, Section 3A

NOTICE

To Whom It May Concern and: _____

Notice is hereby given of the hearing of the Hamilton County Drainage Board on the **The Intracoastal at Geist Drain, Section 3A** on **January 26, 2004** at **9:05 A.M.** in Commissioners Court, Hamilton County Judicial Center, One Hamilton County Square, Noblesville, Indiana, and which construction and maintenance reports of the Surveyor and the Schedule of Assessments made by the Drainage Board have been filed and are available for public inspection in the office of the Hamilton County Surveyor.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY

BEFORE THE HAMILTON COUNTY DRAINAGE BOARD
IN THE MATTER OF THE

The Intracoastal at Geist Drain, Section 3A

NOTICE

Notice is hereby given pursuant to Section 405 of the 1965 Indiana Drainage Code that this Board, prior to final adjournment on **January 26, 2004** has issued an order adopting the Schedule of Assessments, filed the same and made public announcement thereof at the hearing and ordered publication. If judicial review of the findings and order of the Board is not requested pursuant to Article Eight of this code within twenty (20) days from the date of this publication, the order shall be conclusive.

Hamilton County Drainage Board

Attest: Lynette Mosbaugh

ONE TIME ONLY

SUBDIVISION BOND



Bond No. 6236224

HCDB-2003-00077

KNOW ALL MEN BY THESE PRESENTS, that we CENTEX HOMES, a Nevada General Partnership

as Principal, and SAFECO INSURANCE COMPANY OF AMERICA

authorized to do business in the State of Indiana, as Surety, are held and firmly bound unto Hamilton
County Board of Commissioners, IN

as Oblige, in the penal sum of Four Thousand Three Hundred Twenty Five and 56/100 -----
----- (\$ 4,325.56) DOLLARS, lawful money of

the United States of America, for the payment of which well and truly to be made, we bind ourselves, our heirs, executors,
administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, CENTEX HOMES, a Nevada General Partnership
has agreed to construct in The Intracoastal at Geist Section 3A

the following improvements: Erosion Control

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal shall
construct, or have constructed, the improvements herein described and shall save the Oblige harmless from any loss, cost or
damage by reason of its failure to complete said work, then this obligation shall be null and void; otherwise to remain in full
force and effect.

Signed, sealed and dated this 12th day of September, 2003.

CENTEX HOMES, a Nevada General Partnership

Principal

By: [Signature]

SAFECO INSURANCE COMPANY OF AMERICA

By: [Signature]

ALLYSON DEAN

Attorney-in-Fact

SUBDIVISION BOND

FILE
COPY

HCDB-2003-00074

Bond No. 6236223

KNOW ALL MEN BY THESE PRESENTS, that we CENTEX HOMES, a Nevada General Partnership

as Principal, and SAFECO INSURANCE COMPANY OF AMERICA

authorized to do business in the State of Indiana, as Surety, are held and firmly bound unto Hamilton
County Board of Commissioners, IN

as Oblige, in the penal sum of Forty Thousand Two Hundred Thirty Three and 00/100 -----
----- (\$ 40,233.00) DOLLARS, lawful money of

the United States of America, for the payment of which well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, CENTEX HOMES, a Nevada General Partnership
has agreed to construct in The Intracoastal at Geist Section 3A

the following improvements: Storm Sewer

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, that if the said Principal shall construct, or have constructed, the improvements herein described and shall save the Oblige harmless from any loss, cost or damage by reason of its failure to complete said work, then this obligation shall be null and void; otherwise to remain in full force and effect.

Signed, sealed and dated this 12th day of September, 2003.

CENTEX HOMES, a Nevada General Partnership

Principal

By: [Signature]

SAFECO INSURANCE COMPANY OF AMERICA

By: [Signature]

ALLYSON DEAN

Attorney-in-Fact

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: The Intracoastal at Geist, Sections 2C, 3A, 3B & 4A

I hereby certify that:

1. I am a Registered Land Surveyor or Engineer in the State of Indiana.
2. I am familiar with the plans and specifications for the above referenced subdivision.
3. I have personally observed and supervised the completion of the drainage facilities for the above referenced subdivision.
4. The drainage facilities within the above referenced subdivision to the best of my knowledge, information and belief have been installed and completed in conformity with all plans and specifications.

Signature: Jeffery W. Darling Date: January 21, 2005

Type or Print Name: Jeffery W. Darling

Business Address: Stoeppelwerth & Associates, Inc.

9940 Allisonville Road, Fishers, Indiana 46038

Telephone Number: (317) 849-5935

SEAL

INDIANA REGISTRATION NUMBER

900017





Kenton C. Ward, Surveyor

Phone (317) 776-8495

Fax (317) 776-9628

Suite 188

One Hamilton County Square
Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

August 31, 2005

Re: Intracoastal at Geist Drain: Section 3A Arm

Attached are as-builts, certificate of completion & compliance, and other information for Intracoastal at Geist Section 3A. An inspection of the drainage facilities for this section has been made and the facilities were found to be complete and acceptable.

During construction, changes were made to the drain, which will alter the plans submitted with my report for this drain-dated December 18, 2003. The report was approved by the Board at the hearing held January 26, 2004. (See Drainage Board Minutes Book 7, Pages 327-329)
The changes are as follows:

| Structure: | Length: | Size | Material: | Up Invert: | Dn_Invert | Grade: | Changes: |
|------------------------|------------|------|-------------------------|---------------|-----------|--------|-------------------------|
| 156A-156 | 34 | 42 | RCP | 805.62 | 804.7 | 2.71 | -1 |
| 156-155 | 135 | 48 | RCP | 803.8 | 801.96 | 1.36 | |
| 155-154 | 29 | 48 | RCP | 801.96 | 801.7 | 0.9 | |
| 154-EX | 147 | 48 | RCP | 801.7 | 795.48 | 4.23 | 1 |
| 100-101 | 24 | 12 | RCP | 809.24 | 809.24 | | |
| 6" SSD Streets: | | | | | | | Other Drain: |
| Starboard Rd | 409 | | | | | | OPEN |
| TotalX2: | 818 | | | | | | 10 |
| | | | RCP Pipe Totals: | | | | |
| | | | 12 | 24 | | | |
| | | | 42 | 34 | | | |
| | | | 48 | 311 | | | |
| | | | Total: | 369 | | | 10 |

The length of the drain due to the changes described above is now **1197 feet**.

The non-enforcement was approved by the Board at its meeting on January 26, 2004 and recorded under instrument #200500005637.

The following sureties were guaranteed by Mutual Federal Savings Bank and released by the Board on its August 22, 2005 meeting.

Bond-LC No: 6236223

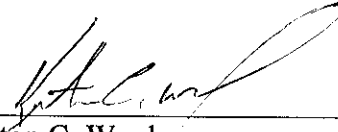
Bond-LC No: 6236224

Insured For: Storm Sewers
Amount: \$40,223
Issue Date: September 12, 2003

Insured For: Erosion Control
Amount: \$4325.56
Issue Date: February 4, 2004

I recommend the Board approve the drain's construction as complete and acceptable.

Sincerely,

A handwritten signature in black ink, appearing to read 'K. C. Ward', written over a horizontal line.

Kenton C. Ward,
Hamilton County Surveyor

KCW/slm

RECORD DRAWING

Jeffery W. Darling
Registered Land Surveyor
No. 900017

1/11/05
DATE



LEGEND

- EXISTING CONTOUR
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED GRADE
- PROPOSED CONTOUR
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED SWALE
- PROPOSED 4' SIDEWALK (BY HOME BUILDER)
- M.E. MATCH EXISTING

- 31 LOT NUMBER
- N.P. NO PAD
- M.F.F. MINIMUM FINISH FIRST FLOOR ELEVATION
- M.F.G. MINIMUM FINISH GRADE AROUND HOME (FLOOD PROTECTION GRADE = 791.4)

- ROLL CURB
- DENOTES 4" SUBSURFACE DRAIN TO LOT (PER HAMILTON COUNTY SURVEYOR'S OFFICE STANDARDS)
- DENOTES 6" SUBSURFACE DRAIN

NOTE: DECORATIVE SIGNS, SPRINKLER SYSTEMS, TREES, LANDSCAPING MOUNDS, LIGHT POLES, OR OTHER SUCH AMENITIES ARE NOT PERMITTED IN THE RIGHT OF WAY.

NOTE: ALL OFF-SITE DRAIN TILES SHALL BE TIED INTO THE PROPOSED STORM SYSTEM OF THIS SECTION (WHERE APPLICABLE).

ALL PADS SHOULD BE TESTED TO ASSURE A COMPACTION OF AT LEAST 95 PERCENT OF THE MAXIMUM DRY DENSITY USING THE STANDARD PROCTOR TEST METHOD.

EARTHWORK:

- EXCAVATION
 - Excavated material that is suitable may be used for fills. All unsuitable material and all surplus excavated material not required shall be removed from the site.
 - Provide and place any additional fill material from offsite as may be necessary to produce the grades required on plans. Fill obtained from offsite shall be of quality as specified for fills herein and the source approved by the Developer. It will be the responsibility of the Contractor for any costs for fill needed.
- REMOVAL OF TREES
 - All trees and stumps shall be removed from areas to be occupied by a road surface or structure area. Trees and stumps shall not be buried on site.
- PROTECTION OF TREES
 - The Contractor shall, at the direction of the Developer, endeavor to save and protect trees of value and worth which do not impair construction of improvements as designed.
 - In the event cut or fill exceeds 0.5 foot over the root area, the Developer shall be consulted with respect to protective measure to be taken, if any, to preserve such trees.
- REMOVAL OF TOPSOIL
 - All topsoil shall be removed from all areas beneath future pavements or building. Topsoil removal shall be to a minimum depth of 6 inches or to the depth indicated in the geotechnical report provided by the Developer to be excavated or filled. Topsoil should be stored at a location where it will not interfere with construction operations. The topsoil shall be free of debris and stones.
- UTILITIES
 - Rules and regulation governing the respective utility shall be observed in executing all work under this section.
 - It shall be the responsibility of the Contractor to determine the location of existing underground utilities 2 working days prior to commencing work. For utility locations to be marked call Toll Free 1-800-382-5544 within Indiana or 1-800-428-5200 outside Indiana.
- SITE GRADING
 - Do all cutting, filling, compacting of fills and rough grading required to bring entire project area to subgrade as shown on the drawing.
 - The tolerance for paved areas shall not exceed 0.05 feet above established subgrade. All other areas shall not exceed 0.05 feet plus or minus the established grade. Provide roundings at top and bottom of banks and other breaks in grade.
 - The Engineer shall be notified when the Contractor has reached the tolerance as stated above, so that field measurements and spot elevations can be verified by the Engineer. The Contractor shall not remove his equipment from the site until the Engineer has verified that the job meets the above tolerance.

"HOLEY MOLEY" SAYS:



1-800-382-5544
CALL TOLL FREE

1-800-428-5200
FOR CALLS OUTSIDE OF INDIANA

CAUTION

LOCATION OF ALL EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED UPON ABOVE GROUND EVIDENCE, (including, but not limited to, manholes, inlets, valves, and marks made upon the ground by others.) AND ARE SPECULATIVE IN NATURE. THERE MAY ALSO BE OTHER EXISTING UNDERGROUND UTILITIES FOR WHICH THERE IS NO ABOVE GROUND EVIDENCE OR FOR WHICH NO ABOVE GROUND EVIDENCE WAS OBSERVED. THE EXACT LOCATIONS OF SAID EXISTING UNDERGROUND UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY AND ALL CONSTRUCTION.



NOTE: THE EXISTING PAVEMENT AND CURB MUST BE SAW AND CUT TO PROVIDE A SMOOTH TRANSITION ON ALL STUB STREET CONNECTIONS TO SECTION 2A.

AS BUILT

STORM TABLE

| Str. No. | Type | Tc/Rim | Inverts | Dir. | Inverts | Dir. |
|----------|----------------------|--------|---------|--------|---------|------|
| 154 | CURB INLET W/MH | 808.03 | 801.70 | (N)(S) | | |
| 155 | CURB INLET W/MH | 808.11 | 801.96 | (N)(S) | | |
| 156 | YARD INLET | 809.00 | 803.80 | (S) | 804.50 | (NE) |
| 156A | CONCRETE END SECTION | | 805.62 | (SW) | | |

BENCHMARK:
(VERTICAL DATUM-NAVD1988)
HSE 9
HSE DISC IN CONCRETE AT WEST BOUNDARY
OF THE INTRACOASTAL. SET 70'± SOUTH
OF 113TH STREET 1/4 MILE WEST OF FLORIDA ROAD.

ELEV.=808.39

(HORIZONTAL DATUM-NAD1983)
G217
CENTER OF SECTION 06-T17N-6E
5/8" REBAR(1996).

ELEV.=795.76

S.&A. #1
(VERTICAL DATUM-NAVD1988)
MINI-SPIKE IN THE SOUTH FACE OF POWER
POLE 24' UP. 376'± SOUTH OF 113TH STREET
446'± WEST OF FLORIDA ROAD.



This information was gathered for input into the Hamilton County Geographical Information System. This document is considered an official record of the GIS.

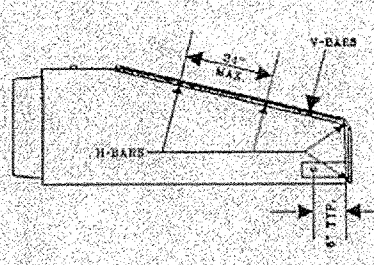
Entry Date: 8-15-2005

Entered by: SIM

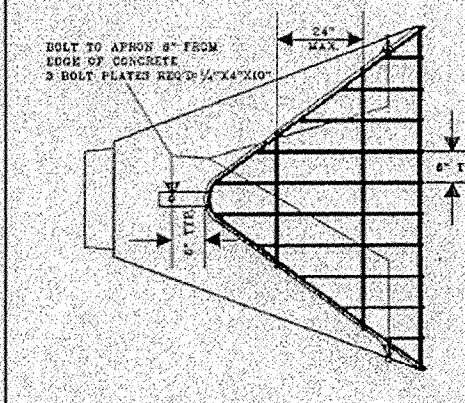
OFFICE OF THE HAMILTON COUNTY SURVEYOR

DEBRIS GUARD

SIDE PROFILE



TOP VIEW



| Apron Size | V-bar Size | No. of H-bars | H-bar Size | Bolt Dia. | "A" Dim. |
|------------|------------|---------------|------------|-----------|----------|
| 18 | 1/2 | 2 | 5/8 | 1/2 | 4 |
| 24 | 5/8 | 4 | 3/4 | 1/2 | 7 |
| 30 | 5/8 | 4 | 3/4 | 1/2 | 7 1/2 |
| 36 | 3/4 | 4 | 1 | 1/2 | 10 1/2 |
| 42 | 3/4 | 4 | 1 | 3/4 | 11 |
| 48 | 3/4 | 4 | 1 1/2 | 3/4 | 12 |
| 54 | 3/4 | 4 | 1 1/2 | 3/4 | 12 |
| 60 | 3/4 | 6 | 1 1/2 | 3/4 | 14 |
| 72 | 3/4 | 6 | 1 1/2 | 3/4 | 14 |
| 84 | 3/4 | 6 | 1 1/2 | 3/4 | 15 |

| Apron Size | V-bar Size | No. of H-bars | H-bar Size | Bolt Dia. | "A" Dim. |
|------------|------------|---------------|------------|-----------|----------|
| 18 | 1/2 | 3 | 5/8 | 1/2 | 4 |
| 15 | 1/2 | 3 | 5/8 | 1/2 | 4 1/2 |
| 12 | 1/2 | 4 | 5/8 | 1/2 | 4 1/2 |
| 24 | 5/8 | 4 | 3/4 | 1/2 | 5 |
| 27 | 5/8 | 4 | 3/4 | 1/2 | 5 1/2 |
| 30 | 5/8 | 4 | 3/4 | 1/2 | 5 1/2 |
| 36 | 3/4 | 4 | 1 | 3/4 | 6 |
| 42 | 3/4 | 4 | 1 | 3/4 | 6 |
| 48 | 3/4 | 5 | 1 | 3/4 | 6 |
| 54 | 3/4 | 5 | 1 1/2 | 3/4 | 6 |
| 60 | 3/4 | 6 | 1 1/2 | 3/4 | 6 |
| 72 | 3/4 | 6 | 1 1/2 | 3/4 | 9 |
| 84 | 3/4 | 7 | 1 1/2 | 3/4 | 10 |
| 90 | 3/4 | 7 | 1 1/2 | 3/4 | 14 |

- NOTES:
- BARS & PLATES ARE HOT-ROLLED STEEL.
 - BARS, PLATES, & PIPE ARE FINISHED WITH 2 COATS OF ALUMINUM PAINT.
 - BOLTS ARE GALVANIZED.
 - NO REBAR THROUGH PIPES WILL BE ALLOWED.
 - DEBRIS GUARD SHALL BE REMOVABLE.

(DRAWING NOT TO SCALE)

HAMILTON COUNTY SURVEYOR'S OFFICE

APPROVED: KENYON C. WARD, HAMILTON COUNTY SURVEYOR

REVISION: 1 JAN 4/14/00 DATE STANDARD PLAN D-12

