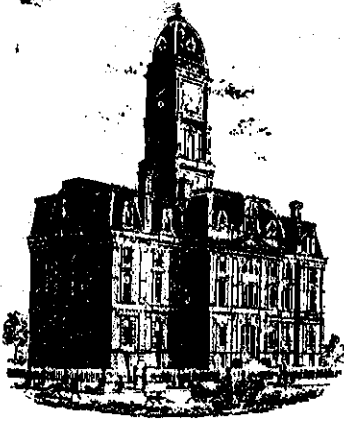


Drain: WHEELER AND WHEELER DRAIN Drain #: 25
 Improvement/Arm: ARBOR GROVE - SECTION 2
 Operator: JOH Date: 8-24-04
 Drain Classification: Urban/Rural Year Installed: 2000

GIS Drain Input Checklist

- Pull Source Documents for Scanning JA
- Digitize & Attribute Tile Drains NA
- Digitize & Attribute Storm Drains JP
- Digitize & Attribute SSD JA
- Digitize & Attribute Open Ditch NA
- Stamp Plans JA
- Sum drain lengths & Validate JP
- Enter Improvements into Posse JP
- Enter Drain Age into Posse [Signature]
- Sum drain length for Watershed in Posse [Signature]
- Check Database entries for errors JA



SURVEYOR'S OFFICE

Hamilton County

Kenton C. Ward, Surveyor

Phone (317) 776-8495

Fax (317) 776-9628

Suite 146

One Hamilton County Square

Noblesville, Indiana 46060-2230

To: Hamilton County Drainage Board

September 6, 2000

Re: Wheeler & Wheeler Drain, Arbor Grove Section 1 Arm

Attached is a petition, non-enforcement request, plans, calculations, quantity summary and assessment roll for the Arbor Grove Section 1 Arm of the Wheeler & Wheeler Drain. 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 4,507 ft	18" RCP 576 ft
12" RCP 847 ft	21" RCP 216 ft
15" RCP 312 ft	

The total length of the drain will be 6,458 feet.

The retention ponds (lakes 1, 2 and 4) located in Common Areas B, C and D are to be considered part of the regulated drain. The maintenance of the ponds (lakes) for mowing and aquatic weed control will be the responsibility of the Homeowners Association. The Board will retain jurisdiction for ensuring the storage volume for which the lake was designed will be retained. Thereby, allowing no fill or easement encroachments.

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.

changed to \$64 at hearing.

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 \$65.00 per lot/minimum, \$10.00 per acre for roadways, with common areas set at \$10.00 per acre with a \$65.00 minimum. With this assessment the total annual assessment for this drain/this section will be \$3,088.90.


Parcels assessed for this drain may be assessed for the Stoney Creek Drain at sometime in the future.

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. This request is for the reduction of the regulated drain easement to those widths as shown on the secondary plat for Arbor Grove, Section 1 as recorded in the office of the Hamilton County Recorder.

I recommend the Board set a hearing for this proposed drain for October 23, 2000.

KCW/kkw



Kepton C. Ward
Hamilton County Surveyor

CERTIFICATE OF COMPLETION AND COMPLIANCE

To: Hamilton County Surveyor

Re: Arbor Grove Section One

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: Allan H. Weihe Date: September 23, 2002

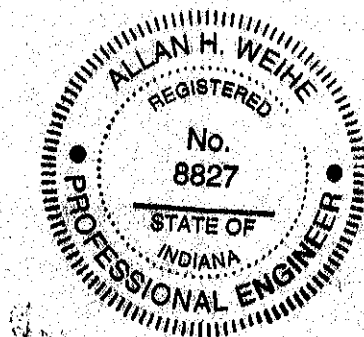
Type or Print Name: Allan H. Weihe

Business Address: 10505 N. College Avenue

Indianapolis, Indiana 46280

Telephone Number: 317-846-6611

SEAL



INDIANA REGISTRATION NUMBER

8827



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

To: Hamilton County Drainage Board

April 16, 2004

Re: Wheeler & Wheeler Drain: Arbor Grove Sec. 1 Arm

Attached are as-builts, certificate of completion & compliance, and other information for Arbor Grove Sec. 1. 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 September 6, 2000. The report was approved by the Board at the hearing held November 14, 2000. (See Drainage Board Minutes Book 5, Pages 489-490) The changes are as follows:

Structure:	T.C.:	I.E.:	Pipe:	Length:	Original Plans:	Difference:
700		802.09				
701	805.99	802.24	21	50		
701	805.99					
702	805.77	802.45	21	77		
702	805.77					
703	806.75	802.55	18	22		
703	806.75					
704	807.85	803.25	18	216		
704	807.85					
705	808.09	803.42	18	62		
705	808.09					
706	808.08	803.91	15	30		
702	805.77	802.45				
707	805.73	802.81	12	33		
708		798.03				
709		801.91	15	122	12" - 122	
710		797.72				
711		798.58	21	89		
712		799.09				
713	805.69	801.69	12	165		
713	805.69	801.69				
714	805.63	802.38	12	30		
716		795.92				

717	805.51	797.44	12	275	
717	805.51	797.44			
718	806	797.85	12	77	
718	806	797.85			
719		798.51	12	145	
720		798.5			
721	804.14	798.99	18	72	
721	804.14	798.99			
722	804.77	799.55	18	110	
722	804.77	799.55			
723	803.73	800.28	18	94	
723	803.73	800.28			
724	804.05	800.65	15	41	
724	804.05	800.65			
725	803.89	800.89	15	41	
746		802.84			
747	806.97	804.16	15	200	

6" SSD Streets:

Arbor Grove Boulevard	814.95
Concert Way	738.57
Alto Court	706.96
Total: x2	<u>4,520.96</u>

RCP Pipe Totals:

12	725
15	434
18	576
21	216

Total: 1,951

6471.96'

The length of the drain due to the changes described above is now ~~6472.96~~ feet.

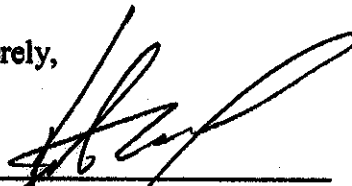
The non-enforcement was approved by the Board at its meeting on November 14, 2000 and recorded under instrument #200100029746.

The following sureties were guaranteed by First Indiana Bank and released by the Board on its Feb.11, 2002 meeting.

Bond-LC No: 10327-2E
Insured For: Storm Sewers, Erosion Control
Amount: \$254,592
Issue Date: October 3, 2000

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

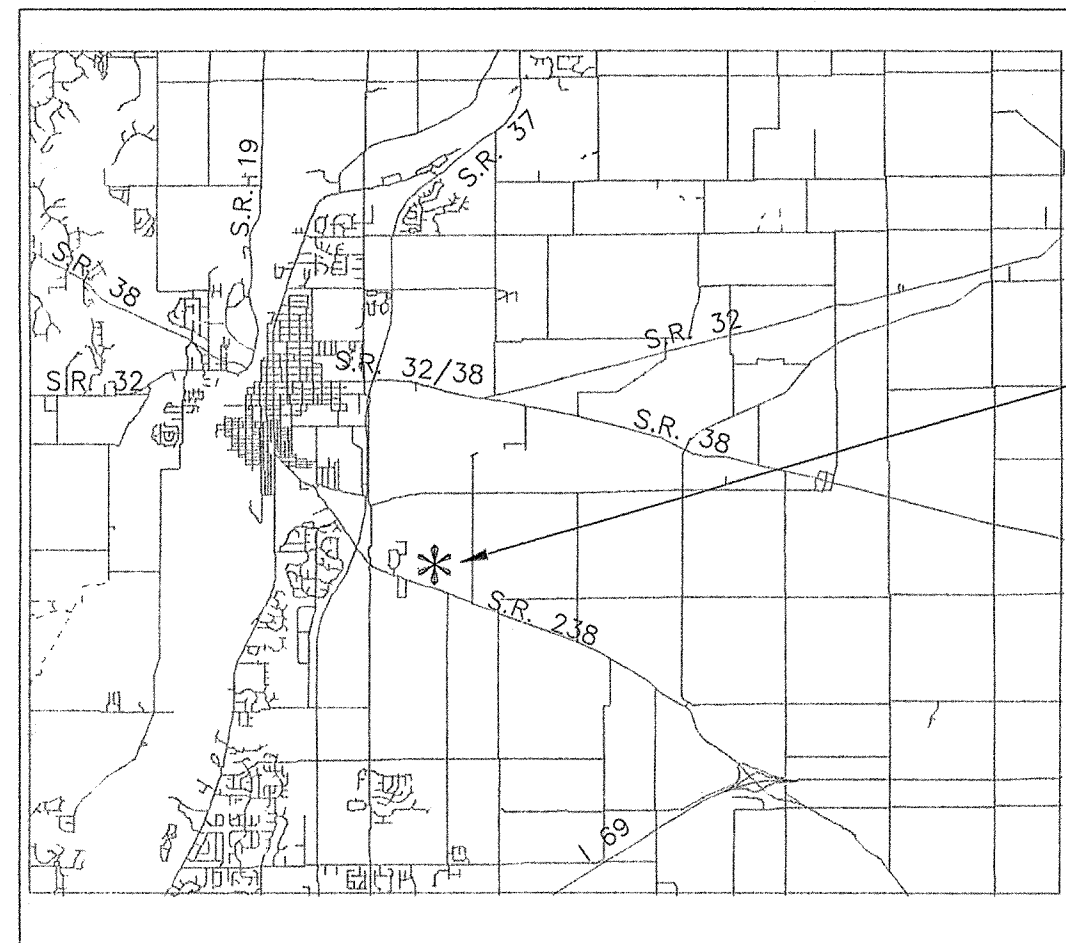
Sincerely,



Kenton C. Ward,
Hamilton County Surveyor

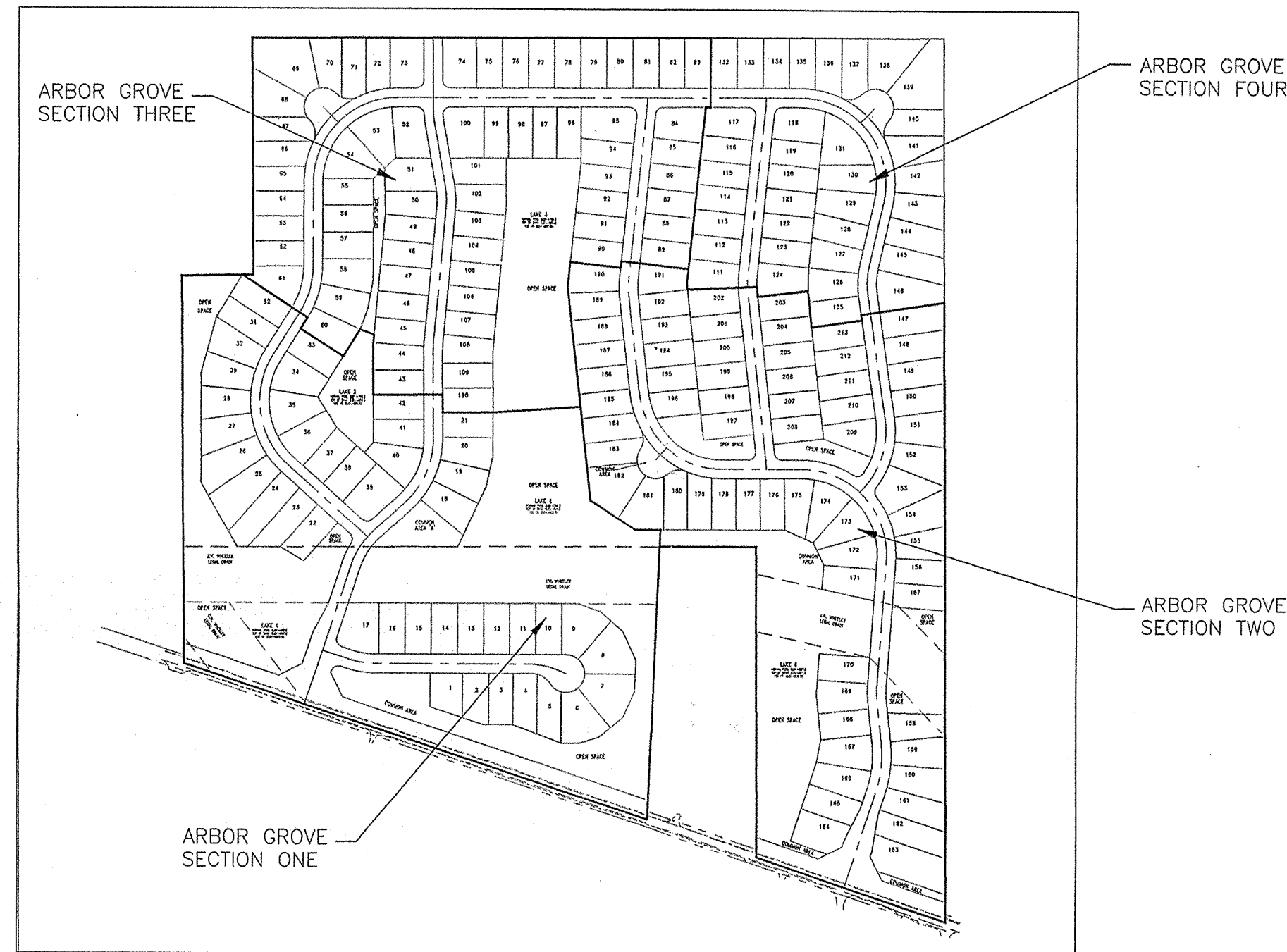
KCW/slm

CONSTRUCTION PLANS FOR ARBOR GROVE SECTION ONE & TWO



ARBOR GROVE
SECTION ONE & TWO

AREA MAP



SITE LOCATION MAP

BENCHMARK

P 237, 1947 - Disk set in the top of a concrete round pool 6" above ground surface. About 0.55 miles south along Cumberland Road from its intersection with S.R. 238, about 19.5 feet north of a private drive leading to the farm, 21 feet East of said Cumberland Road. ELEVATION = 619.78

TEMPORARY BENCH MARK: Cut Square in the southwest corner of a concrete headwall on the north side of S.R. 238. Southwest corner of site, see plot for location. ELEVATION = 805.59.



"Holey Moley" says,
"DON'T DIG BLIND"

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www.holey.com

PER INDIANA STATE LAW IS-69-1991, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

INDIANA STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS LATEST EDITION TO BE USED WITH THESE PLANS.

DESIGN DATA: - SECTION ONE
TOTAL ACREAGE = 27.65± ACRES
NUMBER LOTS = 42
DESIGN SPEED = 25 M.P.H.
STREET LENGTH:
CONCERT WAY 735.59'
ARBOR GROVE BOULEVARD 918.15'
ALTO COURT 660.72'
TOTAL LENGTH: 2,314.46'

DESIGN DATA: - SECTION TWO
TOTAL ACREAGE = 25.32± ACRES
NUMBER LOTS = 67
DESIGN SPEED = 25 M.P.H.
STREET LENGTH:
SYMPHONY BOULEVARD 2,142.65'
TENOR WAY 494.12'
TIMPANI WAY 481.83'
TOTAL LENGTH: 3,118.60'

- GENERAL NOTES:
- 1) THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, AND STATE AGENCIES PRIOR TO STARTING CONSTRUCTION.
 - 2) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES IN THE VICINITY OF THE CONSTRUCTION AREA PRIOR TO STARTING CONSTRUCTION.
 - 3) IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY AND COORDINATE CONSTRUCTION WITH ALL RESPECTIVE UTILITIES.
 - 4) ALL QUANTITIES GIVEN ON THESE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTORS.
 - 5) OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS: FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
 - 6) IN ADDITION, EXCAVATION EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.
 - 7) IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THIS PROJECT.
 - 8) TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL STANDARDS.
 - 9) THE ENGINEER AND/OR OWNER DISCLAIM ANY ROLE IN THE CONSTRUCTION MEANS AND METHODS ASSOCIATED WITH THE PROJECT AS SET FORTH IN THESE PLANS.
 - 10) ANY FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REPAIRED AND CONNECTED TO NEW STORM SEWERS AND POSITIVE DRAINAGE PRESERVED.
 - 11) THE SITE DOES NOT LIE IN A SPECIAL FLOOD HAZARD AREA AS ESTABLISHED BY THE FEDERAL ENERGY MANAGEMENT AGENCY - NATIONAL FLOOD INSURANCE PROGRAM, WHEN PLOTTED BY SCALE ON FLOOD INSURANCE RATE MAP #180082 0015E, DATED SEPTEMBER 24, 1982.
 - 13) BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. SEE RECORD SURVEYS & PLAT FOR EXACT INFORMATION.
 - 14) THE SITE DOES NOT CONTAIN A WETLANDS AS ESTABLISHED BY THE U.S. DEPARTMENT OF THE INTERIOR FISH AND WILDLIFE SERVICE, RIVERWOOD, INDIANA, NATIONAL WETLANDS INVENTORY MAP DATED 1989.
 - 15) WATER MAINS SHALL BE IN ACCORDANCE WITH THE LATEST DETAILS AND SPECIFICATIONS OF INDIANA-AMERICAN WATER COMPANY, INC.

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-3	EXISTING CONDITIONS / DEMOLITION PLAN
4-5	DEVELOPMENT PLAN
6-10	STREET PLAN & PROFILE SHEETS
11-15	STORM SEWER PLAN & PROFILE SHEETS
16-24	SANITARY SEWER PLAN & PROFILE SHEETS
25-26	EROSION CONTROL PLAN
27	TRAFFIC MAINTENANCE / ENTRANCE PLAN
28-29	TRAFFIC CONTROL PLANS
30	INTERSECTION DETAIL SHEET
31-32	DETAIL SHEETS
33	SPECIFICATION SHEET
34-36	WATER MAIN PLANS
37	WATER MAIN DETAIL SHEET

REVISIONS

SHEET NO.	DESCRIPTION	DATE
ALL	REVISIONS PER T.A.C. REVIEW	5/19/00
ALL	REVISIONS PER T.A.C. REVIEW	6/22/00
34,35	MINOR REVISIONS TO WATER	6/27/00
4,5,6-11	MINOR REVISIONS TO STORM	6/28/00
2,3,4,5,11,12,14,15	MINOR REVISIONS TO DRAIN	6/30/00
4,5,11,13,25,32	MINOR REVISIONS TO STORM	8/3/00
4,5,11-13	STORM SEWER AS-BUILTS	11/16/00
4,5,16,18-20	SANITARY SEWER AS-BUILTS	11/16/00
34-36	WATER AS-BUILTS	11/20/00

PLANS PREPARED FOR:

BAY DEVELOPMENT CORP.
10415 N. COLLEGE AVE.
INDIANAPOLIS, IN 46280
TELEPHONE: (317) 844-8844
CONTACT PERSON: URSELL COX

PLANS PREPARED BY:

WEIHE ENGINEERS, INC.
10505 N. COLLEGE AVE.
INDIANAPOLIS, IN 46280
TELEPHONE: (317) 846-6611
CONTACT PERSON: MAX MOUSER - ENGINEER
PAUL MONKE - STAKING

OPERATING AUTHORITIES:

Hamilton County Surveyor
One Hamilton Square, Suite 146
Noblesville IN 46060
(317) 776-8495

City of Noblesville
Wastewater Utility
197 Washington Street
Noblesville IN 46060
(317) 776-6353

Hamilton County Highway Department
1717 Pleasant Street
Noblesville IN 46060
(317) 773-7770

Indiana Gas Company
15900 Allisonville Road
Noblesville IN 46060
(317) 773-0430

Insight Cablevision
15229 Stony Creek Way
Noblesville IN 46060
(317) 776-0660

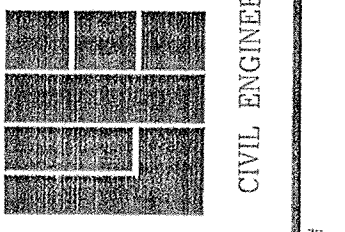
CINERGY/PSI ENERGY
100 S. MILL CREEK
NOBLESVILLE, IN 46060
(800) 521-2232

Ameritech
5858 N. College Ave.
Indianapolis IN 46220
(317) 252-4267

Indiana-American Water
Company, Inc.
835 Wayne Street
P.O. Box 1987
Noblesville IN 46060-1987
(317) 773-2497

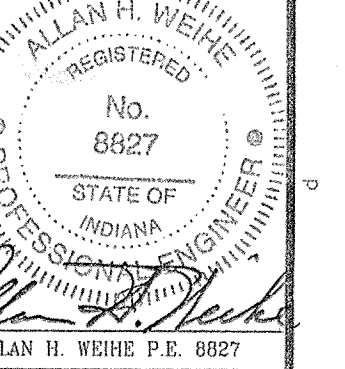
Hamilton County Soil Conservation Service
925 Division Street
Noblesville IN 46060
(317) 773-1406

WEIHE ENGINEERS, INC.
ALLAN H. WEIHE, P.E., L.S.
MICHAEL J. DEBOY, L.S.
VICE - PRESIDENT



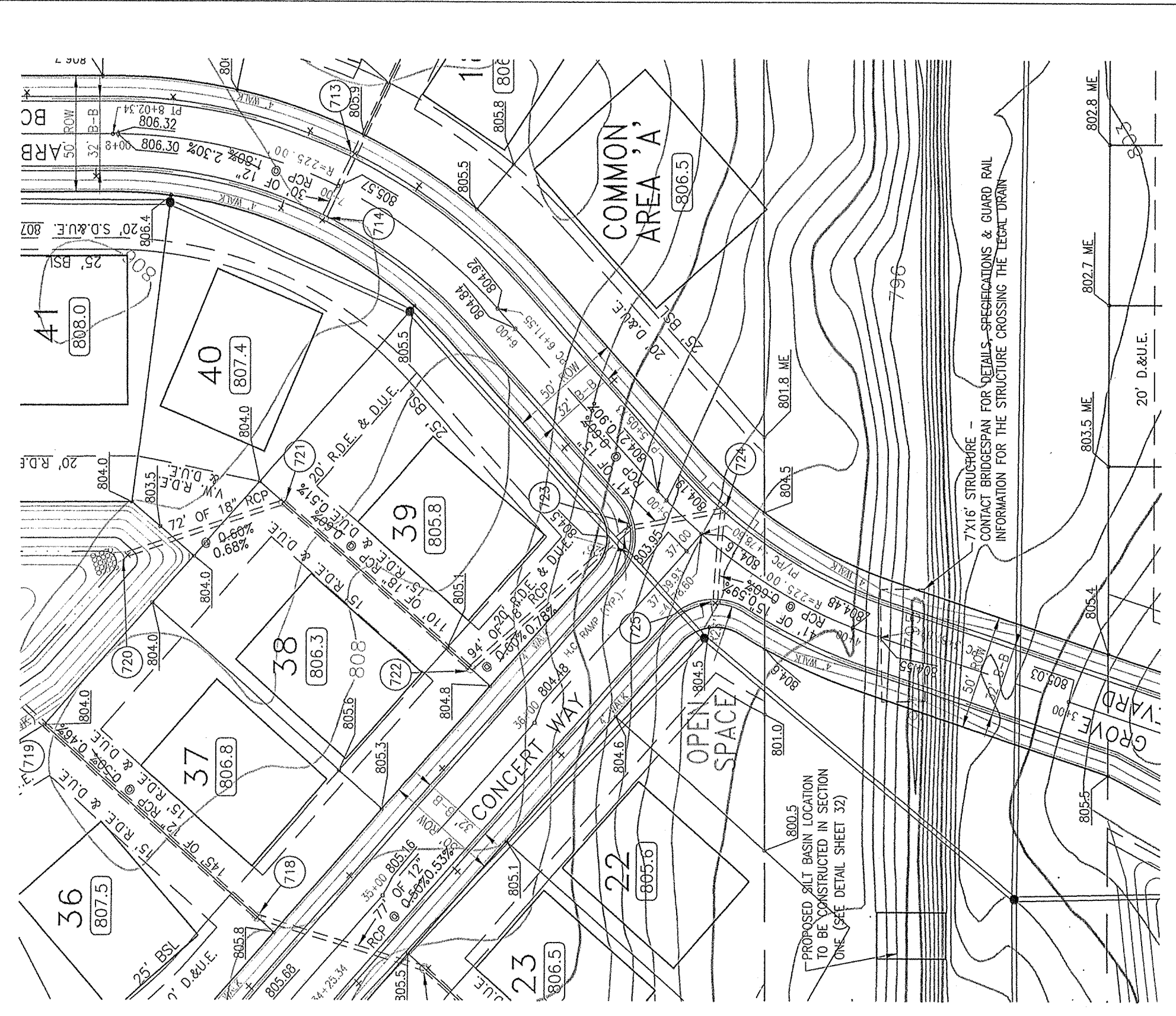
CIVIL ENGINEERS * LAND PLANNERS * LAND SURVEYORS * LANDSCAPE ARCHITECTS

PROJECT NO.	DATE	BY	CHKD.	DATE
89-0001	5/19/00	AW	AW	5/19/00
89-0002	6/22/00	AW	AW	6/22/00
89-0003	6/30/00	AW	AW	6/30/00
89-0004	11/16/00	AW	AW	11/16/00



ARBOR GROVE SECTION ONE & TWO
BAY DEVELOPMENT CORP.
TITLE SHEET
Part of the 6/22 of the S.R. 1 and 6/2 of the S.R. 4 of Sec. 8-F189-185E, Noblesville Twp., Hamilton Co., Indiana

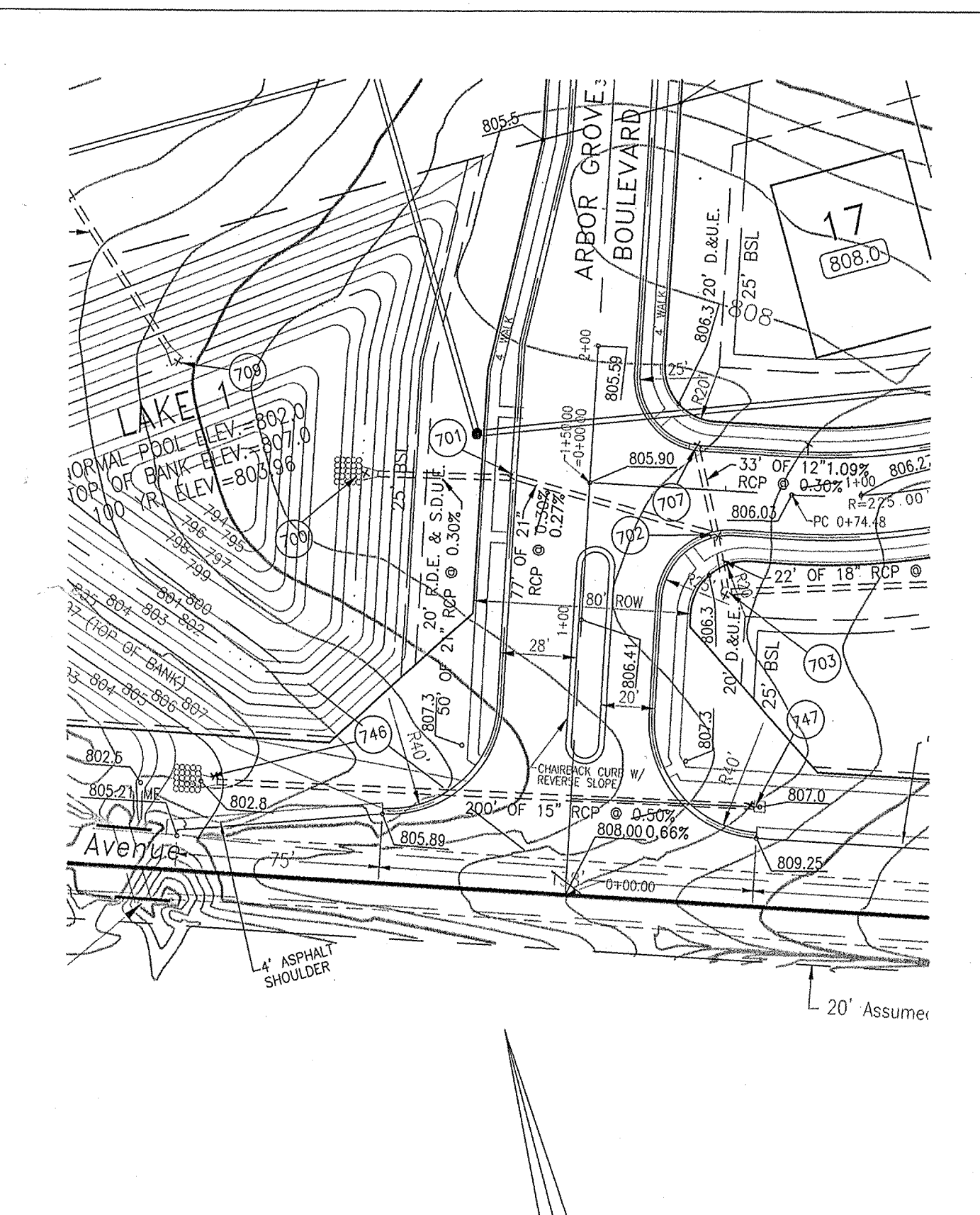
FILED
DEC 12 2000
OFFICE OF HAMILTON COUNTY SURVEYOR



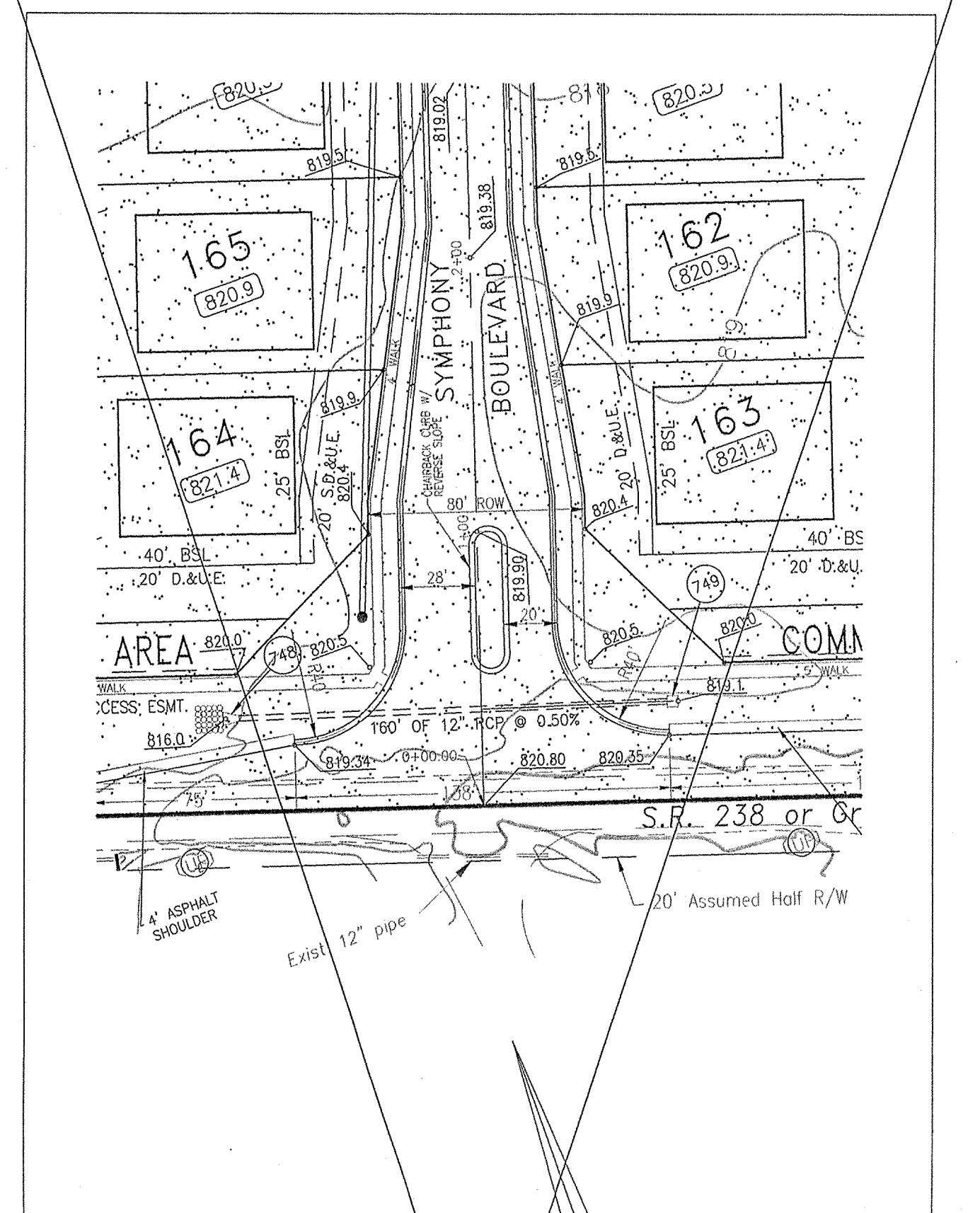
SECTION ONE

- LEGEND**
- RIGHT-OF-WAY LINE
 - STORM SEWER LINE
 - SWALE
 - SANITARY SEWER LINE
 - SANITARY SEWER MANHOLE
 - SANITARY SEWER LATERAL
 - FLOW DIRECTION
 - EXISTING SPOT ELEVATION
 - EXISTING CONTOURS
 - PROPOSED ELEVATION
 - STORM BEEHIVE INLET
 - STORM INLET
 - TOP OF CASTING
 - INVERT
 - REINFORCED CONCRETE PIPE
 - M.H.
 - STR.
 - REGULATED DRAIN EASEMENT AND DRAINAGE, UTILITY EASEMENT
 - D. & U.E.
 - DRAINAGE AND UTILITY EASEMENT
 - SANITARY, DRAINAGE, AND UTILITY EASEMENT
 - SANITARY SEWER
 - HANDICAP RAMP
 - MATCH EXISTING GRADE
 - DRAINAGE DRAIN AND SUMP LINE
 - STORM SEWER
 - GRANULAR BACKFILL
 - CONCRETE END SECTION
 - S.S.D.
 - S.S.P.
 - S.S.P.(D.I.)
 - NORMAL POOL ELEVATION
 - PROPOSED PAD ELEVATION
 - MINIMUM PAD ELEVATION
 - TYPICAL
 - PROPOSED
 - EX.
 - RADIUS
 - SUBSURFACE DRAIN LATERAL
 - AS-BUILT LOCATION

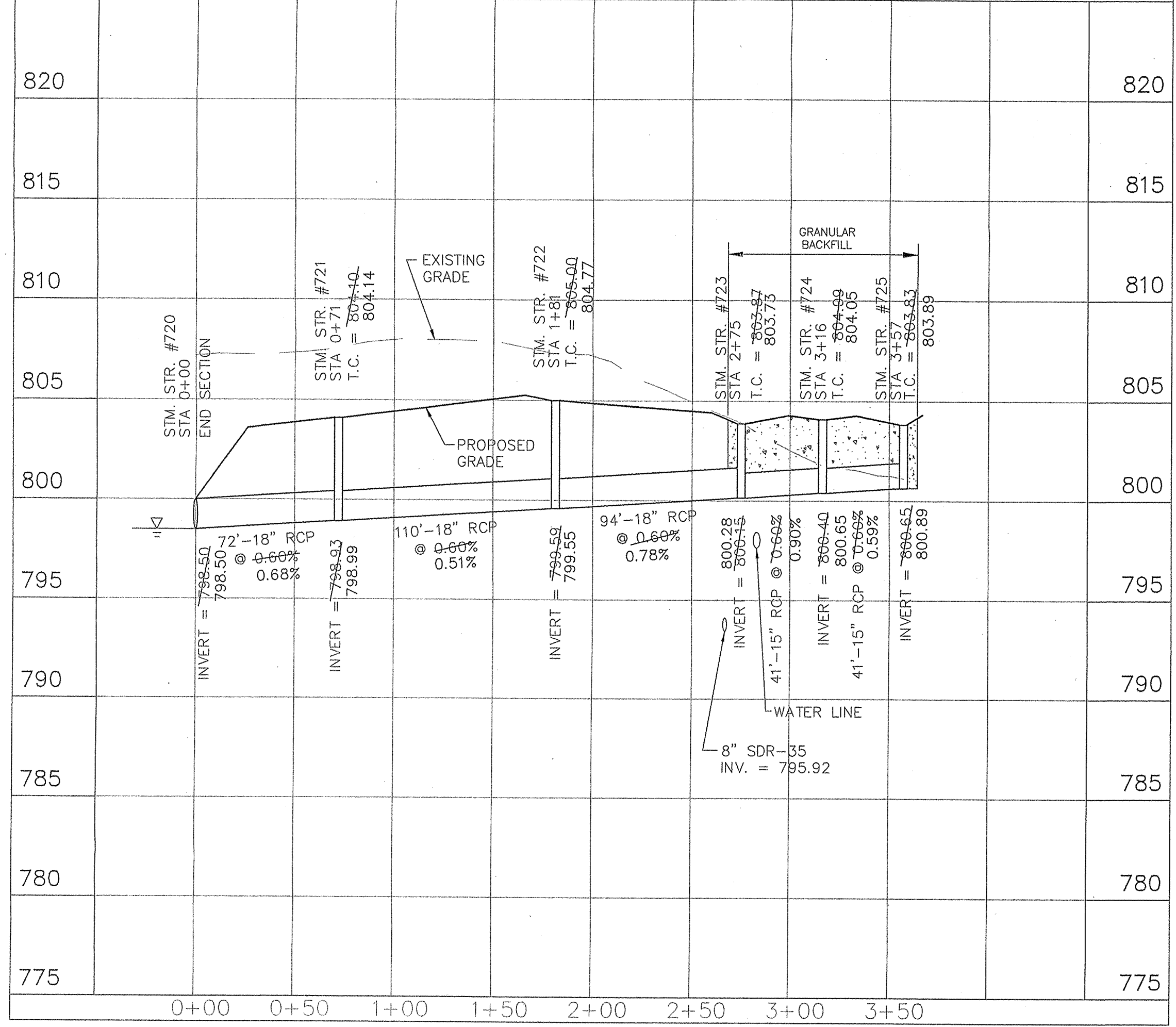
RECORD DRAWING
 STORM SEWER AS-BUILTS
 STORM SEWER STRUCTURES ONLY
 SECTION ONE ONLY
 11/16/00



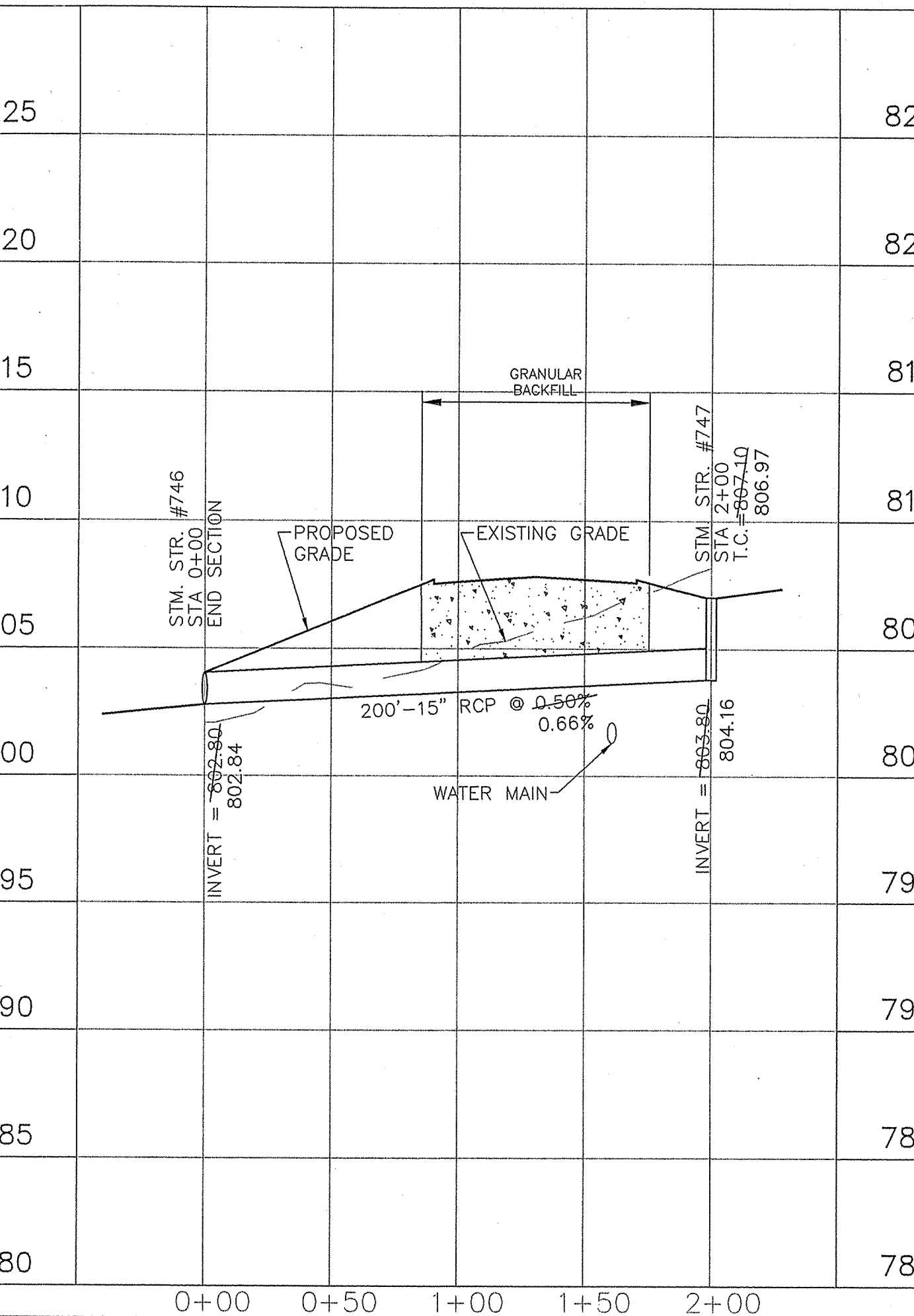
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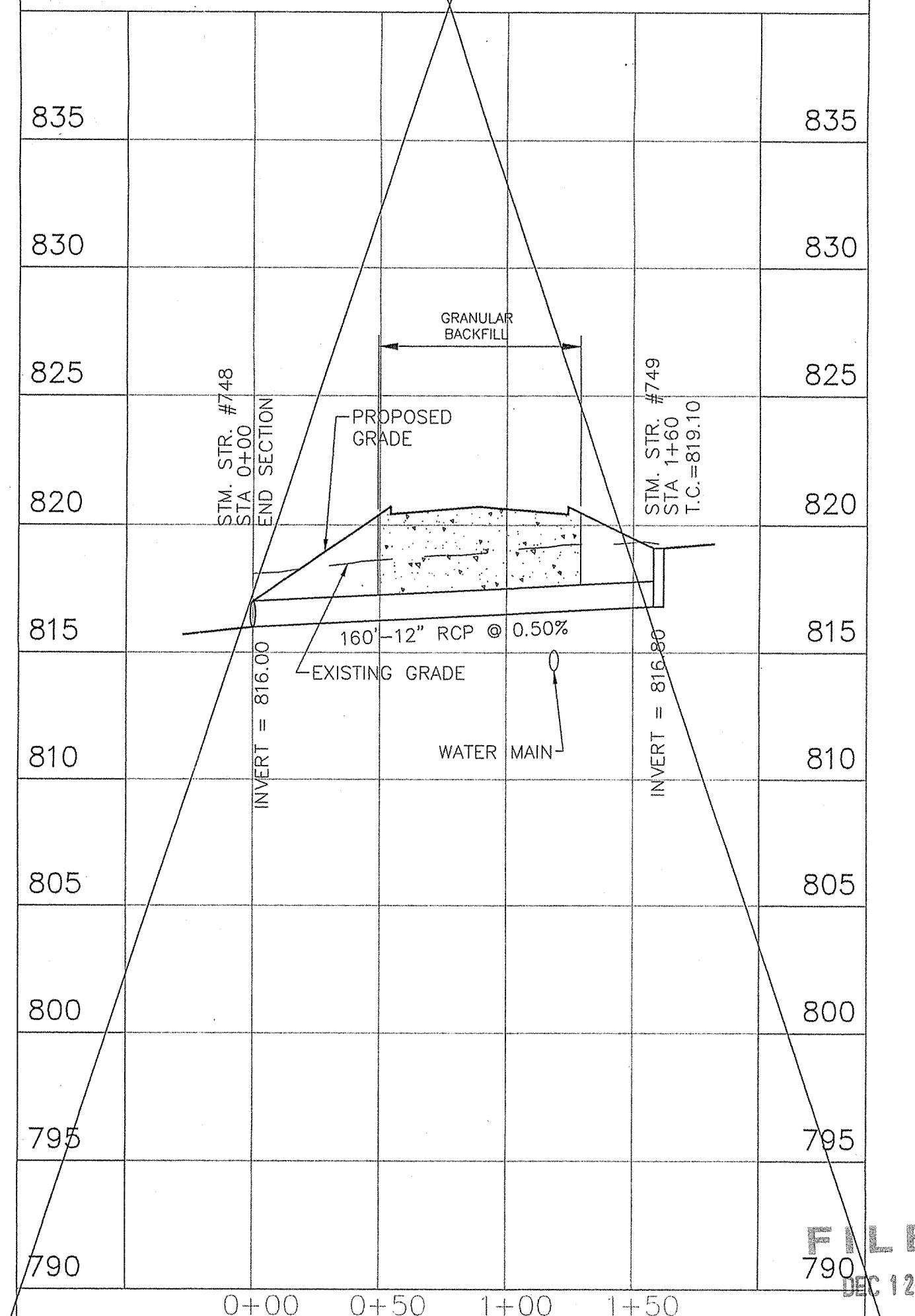
SECTION TWO



SECTION ONE



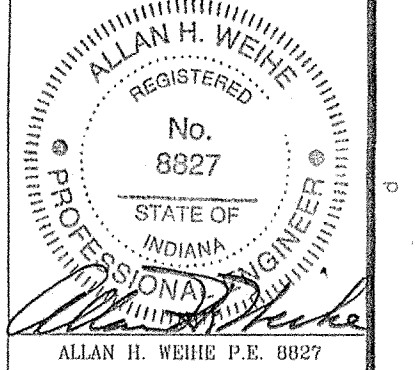
SECTION ONE



SECTION TWO

WEIHE ENGINEERS, INC.
 ALLAN H. WEIHE, P.E., L.S.
 PRESIDENT
 DARYL L. S.
 VICE - PRESIDENT
 LANDSCAPE ARCHITECTS
 CIVIL ENGINEERS • LAND SURVEYORS • LAND PLANNERS

PROJECT NO.	98-0385
DATE	9/19/00
BY	9/19/00
DATE	8/22/00
BY	8/22/00
DATE	8/22/00
BY	8/22/00
DATE	11/16/00
BY	11/16/00
DATE	11/16/00
BY	11/16/00



ARBOR GROVE SECTION ONE & TWO
 BAY DEVELOPMENT CORP.
 STORM SEWER PLAN & PROFILE SHEET
 PREPARED FOR: ARBOR GROVE SECTION ONE & TWO
 SHEET NO. 13

File name: H:\99\090385\Section1\990385STA3