

CHADWYCK

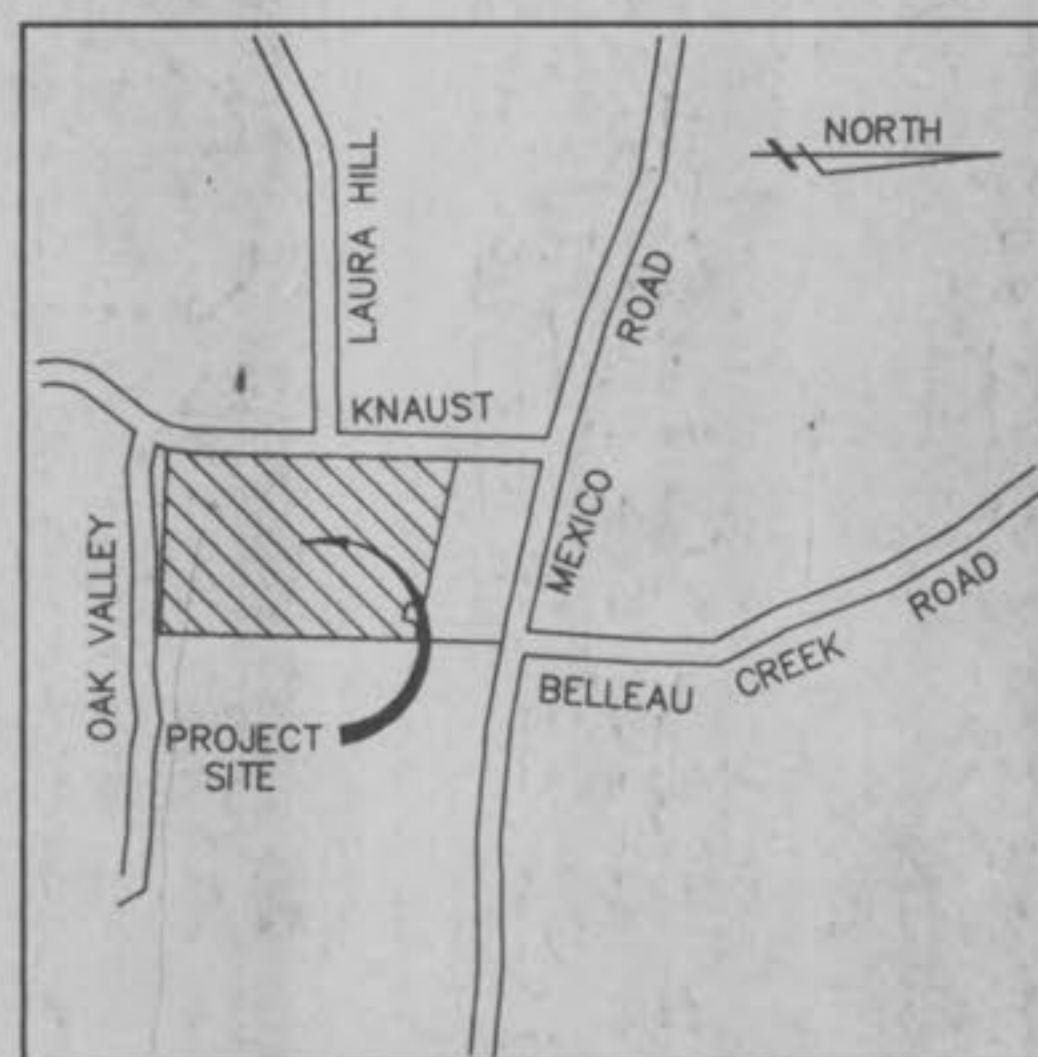
A TRACT OF LAND IN SECTION 34,
TOWNSHIP 47 NORTH, RANGE 3 EAST, CITY OF O'FALLON,
ST. CHARLES COUNTY, MISSOURI

IMPROVEMENT PLANS PHASE ~~TWO~~ ONE

AS-BUILTS

INDEX OF SHEETS

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CD-1 THRU CD-4	



NOT TO SCALE
LOCATION MAP

GENERAL NOTES:

- All construction methods, materials and practices shall conform to all current applicable specifications of the governing agencies.
- Any destruction of existing improvements or features shall be repaired or replace in kind by the Contractor and shall remain the Contractor's responsibility.
- Underground utilities have been plotted from available information and therefore their locations must be considered approximate only. The verification of the location of all underground utilities, either shown or not shown on these plans shall be the responsibility of the contractor, and shall be located prior to grading or construction of improvements.
- It shall be distinctly understood that failure to mention specifically any work which would normally be required to complete the project shall not relieve the contractor of his responsibility to perform such work.
- Contractor shall keep road clear of mud and debris.
- Easements shall be provided for storm sewers, sanitary sewers, and all utilities on the record plot. See record plot for location and size of easements. This does not apply to house laterals.
- All streets must meet the specifications and installation requirements of the City of O'Fallon.
- This tract is in or served by:
 - A. Water - Missouri American Water Company
 - B. Electric - Union Electric Company
 - C. Telephone - Southwestern Bell Telephone Company
 - D. Sewers - City of O'Fallon connecting into St. Peters
 - E. Gas - Laclede Gas Company
 - F. Fire Protection - City of O'Fallon Fire Protection District
 - G. School District - Fort Zumwalt School District
- Lot Data:
 - A. Total Lots - 277
 - B. Minimum Lot Size - 7500 sq. ft.
 - C. Minimum Lot Width at Building Line - 70 ft.
- Yard and Setback Requirements:
 - A. Front - 25 ft.
 - B. Side - 6 ft.
 - C. Rear - 25 ft.

SEWER CONSTRUCTION NOTES:

- All storm and sanitary sewer construction methods to conform to latest standards and specifications of the applicable codes and shall conform to all appropriate City of O'Fallon standards.
- After all sewers and appurtenances are completed, inspected and accepted, the contractor will be permitted to connect the sewer extension into the existing system, in the presence of an inspector.
- Drainage pipe shall be reinforced concrete class III except as noted on plans.
- Joining material for Poly Vinyl Chloride (PVC) Sanitary Sewers shall conform to ASTM Specification D-3212. All PVC pipe shall conform to ASTM D-3034, Type PSM with a SDR rating of 35 or lower.
- Manhole frames and covers shall be standard frames and covers as approved by the governing authority.
- Trenches under existing pavement and under areas to be paved shall be backfilled with 3/4" minus crushed limestone and compacted to 90% of the maximum dry density as determined by the modified proctor test.
- In all areas where sewer and appurtenances are to be constructed in filled ground, the fill will be placed to approximate finish grade and compacted to 90% of maximum dry density as determined by the modified proctor test prior to the excavating and installing pipe.
- The sewer contractor may construct the building sewer laterals in conjunction with the sanitary main, trunk or lateral sewers, within development, provided that the building sewer lateral terminates five (5) feet, or more, outside the proposed, or existing building line or foundation wall.
- All manhole and inlet tops built without elevations furnished by the engineer will be the responsibility of sewer contractor. At the time of construction stake-out of the sewer lines, all curb and grate inlets will be face staked, provided said stakes do not fall in the ditch line. If stakes fall within the ditch line the sewer company or job superintendent shall notify the engineer that stakes are needed and allow 48 hours for cuts. Tops of manholes, inlets, valve boxes, etc. shall conform to Finish Grade.
- All standard street curb inlets to have front of inlet two feet (2.25) behind curb. All area inlets open 4 sides except as noted.
- All sanitary building connections have been designed so that the minimum vertical distance from the low point of the finished floor to the flow line of a sanitary sewer at the corresponding building connection is not less than the diameter of the pipe plus a vertical distance of 2-1/2 feet.
- All filled areas, including trench backfills, under building, proposed storm and sanitary sewer lines, and paved areas shall be placed in a maximum of 9" lifts and compacted to a minimum of 90 percent of maximum dry density as determined by the Modified AASHTO Compaction Test, ASTM D1557, unless otherwise recommended in the Soils Report for this project. Tests shall be taken at a maximum of 50 foot intervals along the route of the pipe, at a maximum of two foot vertically, and starting at the bottom of the fill and continuing through the fill to the top of the pipe at 6" intervals and laterally on each side of the pipe for a distance equal to the depth of fill from the top of pipe to virgin soil.
- When PVC pipe is used, appropriate rubber seal waterstop, as approved by the sewer district, shall be installed between PVC pipe and masonry (concrete & brick) structure.
- It is the contractor's responsibility to confirm the location of existing utilities and/or underground facilities by notifying utility companies prior to construction.
- Gas, water and other underground utilities shall not conflict with the depth or horizontal location of existing and proposed sanitary and storm sewers including building laterals.
- All construction methods and materials used shall conform to current applicable standards.
- Shop drawings are required for construction of non-standard reinforced concrete structures.
- Face of curb inlets shall be flush with face of vertical curb when used.
- All sanitary manhole tops shall be set 0.2' higher than the proposed ground except in pavement areas.
- All sanitary manholes shall have a 31 mil. thick coat of coal tar pitch waterproofing.
- All sanitary service lines shall have a 6" diameter for Multi-family and a 4" diameter for single-family developments.
- Manhole frame and cover shall be Clay and Bailey No. 2008 or Neenah R-1736 or Deeter 1315 or approved equal.
- A drop of 0.2 feet is required through each sanitary & storm manholes and inlets.
- The City of O'Fallon shall be notified at least 48 hours prior to construction of sanitary sewers for coordination and inspection.
- Brick shall not be used on manholes.
- All exterior sanitary sewer manholes shall be waterproofed on the exterior in accordance with Missouri Dept. of Natural Resources specifications 10 CSR-8.120(7)(E).
- All PVC sanitary sewer pipe is to be SDR-35 or equal with "clean" 1/2 inch to 1 inch granular stone bedding uniformly graded. This bedding shall extend from 4 inches below the pipe to springline of pipe. Immediate backfill over pipe shall consist of same size "clean" or "minus" stone from springline of pipe to 6 inches above the top of pipe.
- All pipes shall have positive drainage through manholes.
- Sanitary sewer connections shall be as approved by the St. Peters Sewer District.

GRADING SPECIFICATIONS:

- All fill areas to be compacted to a minimum of 90 percent of maximum dry density as determined by the Modified AASHTO compaction Test, ASTM D1557-78, or as specified by the soils engineer.
- It shall be the grading contractor's responsibility to notify the soils engineer prior to work in progress and to comply with recommendations by the soils engineer with regards to Compaction surface preparation and placement of fill.
- It shall be the grading contractor's responsibility to provide the location of any existing underground utilities by notifying utility companies prior to grading operations.
- All grading adjustments shall be submitted in writing and approved by the City of O'Fallon.
- The grading contractor shall cut or fill to subgrade elevation under all areas to be paved. Subgrade depth is 1.0 foot below proposed finished elevations on Knaust Road relocation and 0.5' on all other streets.
- All drainage swales shall be sodded or seeded and mulched to prevent erosion.
- All rough grading is to be completed within +/- 0.2' and all subgrade to be +/- 0.1'.
- All stumps, limbs, and other debris are to be removed from the site unless a suitable dump area is approved in advance by the owner after consulting with the soils engineer if burning is approved.
- Subgrade is included in the total bid yardage. (Subgrade is figured at pavement depth.)
- Slope to receive fill which is steeper than 5:1 should be benched prior to placement of fill.
- If fill is to be placed in areas of soft soil, particularly in draws, drainage channels and other low lying areas, the soft soil shall be excavated until firm soil is encountered.
- All grading shall comply with the soils engineer's recommendations.

SILTATION CONTROL NOTES:

- Siltation controls will be installed prior to any grading or construction operations and shall be inspected and maintained as necessary to insure their proper function until sufficient vegetation has been established to prevent erosion.
- The installation and maintenance of all siltation controls shall be the responsibility of the developer.
- Additional siltation controls may be required as directed by the local governing authority.
- All grading area shall be protected from erosion by erosion control devices and/or seeding and mulching as required by the City of O'Fallon.
- When utilized temporary siltation pond(s) and/or outfall structure shall be completely removed following re-establishment of vegetation. Pond(s) shall be back filled, compacted, and leveled to provide positive drainage (min. 2% slope), and then seeded and mulched.
- No earth slope shall exceed 3:1 max.

EXISTING	LEGEND	PROPOSED
542	CONTOURS	(242)
536	SPOT ELEVATIONS	(536)
	CENTER LINE	
	BUILDINGS, ETC.	
	TREE LINE	
	FENCE	
	STORM SEWERS	
	SANITARY SEWERS	
	CURB INLET	
	AREA INLET	
	GRATED INLET	
	STORM MANHOLE	
	SANITARY MANHOLE	
	FLARED END SECTION	
	CLEANOUT	
	LATERAL CONNECTION	
	UTILITY OR POWER POLE	
	FIRE HYDRANT	
	TEST HOLE	
	PAVEMENT	
	GAS MAIN & SIZE	
	WATER MAIN & SIZE	
	TELEPHONE	
	ELECTRIC (U) UNDERGROUND	
	ELECTRIC (O) OVERHEAD	
	FLOW LINE	
	TO BE REMOVED	
	TOP OF CURB	
	SWALE	
	LIGHT STANDARD	
	STREET SIGN	

PROJECT ZIP CODE 63376
○ DENOTES LOT ADDRESS

These plans have been reviewed by Brucker Earth Engineering & Testing Inc. for their compliance regarding geotechnical recommendations relative to site development. Based on this review and available subsurface information, it is our opinion that the site may be constructed in accordance with the plans, good construction practices, and the recommendations given in the geotechnical report of June, 1996.

We have not prepared any part of these plans and my seal on these plans is intended only to confirm my personal review and approval of the site grading plan as it relates to the stability of earth slopes.

Brucker Earth Engineering & Testing Inc. must be involved during the construction phase of this project in order to determine if subsurface conditions are as anticipated from the field exploration data, that our recommendations relative to site grading are implemented, and that other geotechnical aspects of site development are performed in accordance with these plans.

BRUCKER EARTH ENGINEERING & TESTING INC.

Daniel J. Cottin, P.E.

STATE OF MISSOURI
NO. 14838
GEORGE J. GOWER
REGISTERED PROFESSIONAL ENGINEER
EXPIRES 12/31/99
MO Res. L.S.

STATE OF MISSOURI
NO. 14838
GEORGE J. GOWER
REGISTERED LAND SURVEYOR
EXPIRES 12/31/99

PROJECT BENCHMARK:
560.06 - N.E. Corner concrete porch of house on south side of Mexico Road first house east of Belleau Creek Road.

THE UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMo

ISSUE	REMARKS/DATE
1	10/18/96
	11/20/96

PREPARED FOR:
J.H.B. PROPERTIES, INC.
5091 NEW BAUMGARTNER ROAD
ST. LOUIS, MISSOURI 63129
PHONE: (314) 487-6717

SIGNED:
WILLIAM CHARLES HAWN, PROFESSIONAL ENGINEER #19628

PREPARED BY:
STEALING
ENGINEERS, SURVEYORS AND PLANNERS
5055 NEW BAUMGARTNER ROAD
ST. LOUIS, MISSOURI 63129
(314)-487-0440, FAX 487-8944

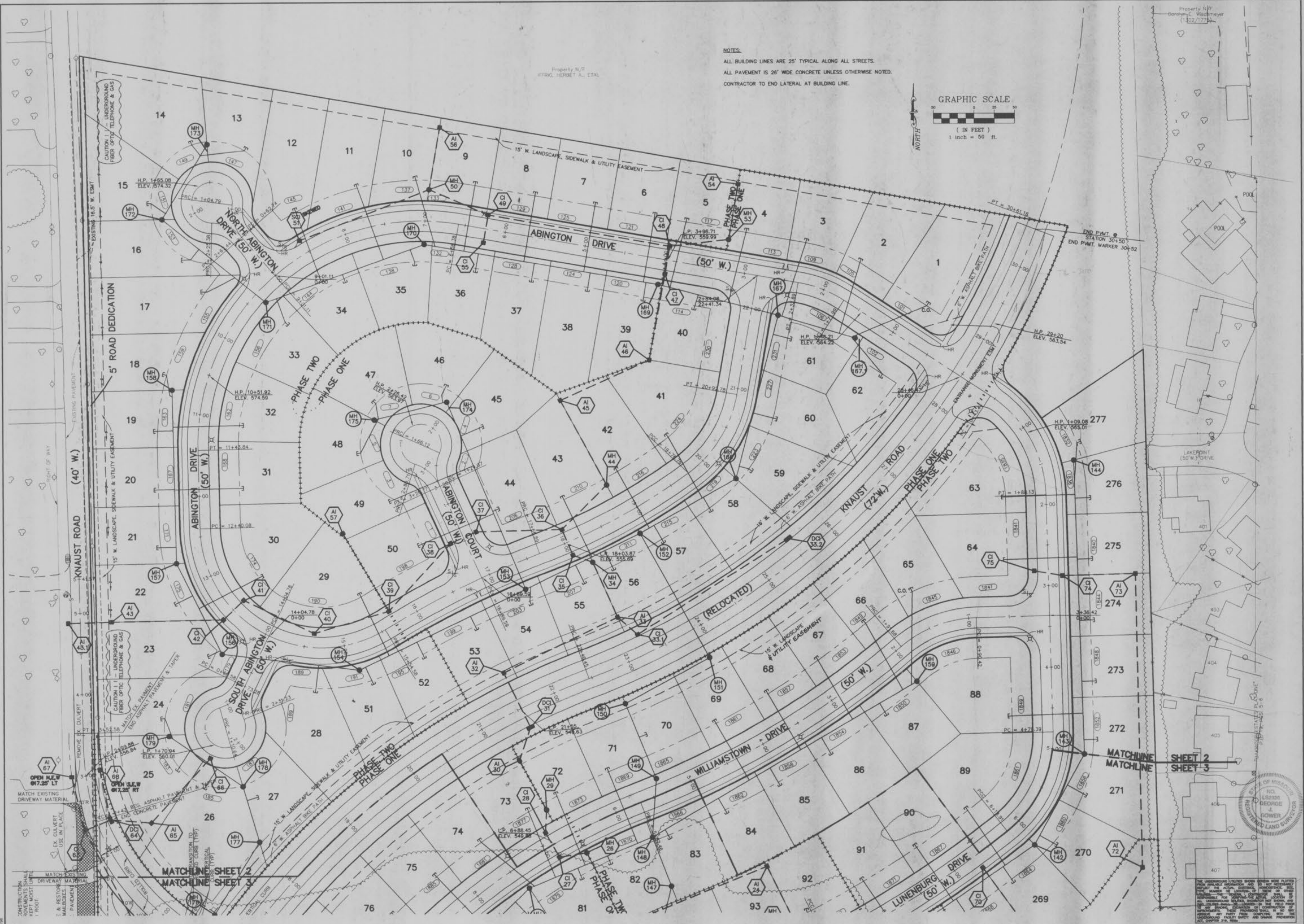
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DRAWN: _____
DESIGNED: _____
CHECKED: _____

PROJECT: **CHADWYCK**

SHEET TITLE: **COVER SHEET**

NO. 95 08 193	SHEET
M.S.D. P# 1	13
31	OF



NOTES:
 ALL BUILDING LINES ARE 25' TYPICAL ALONG ALL STREETS.
 ALL PAVEMENT IS 26' WIDE CONCRETE UNLESS OTHERWISE NOTED.
 CONTRACTOR TO END LATERAL AT BUILDING LINE.



ISSUE	REMARKS/DATE
1	8/12/96
2	8/23/96
3	9/14/96
4	9/25/96
5	10/5/96
	11/29/96

PREPARED FOR:
J.H.B. PROPERTIES, INC.
 5095 NEW BAUMGARTNER ROAD
 ST. LOUIS, MISSOURI 63128
 PHONE: (314) 487-6717
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SIGNED:
 WILLIAM CHARLES HAWK, PROFESSIONAL ENGINEER #19028

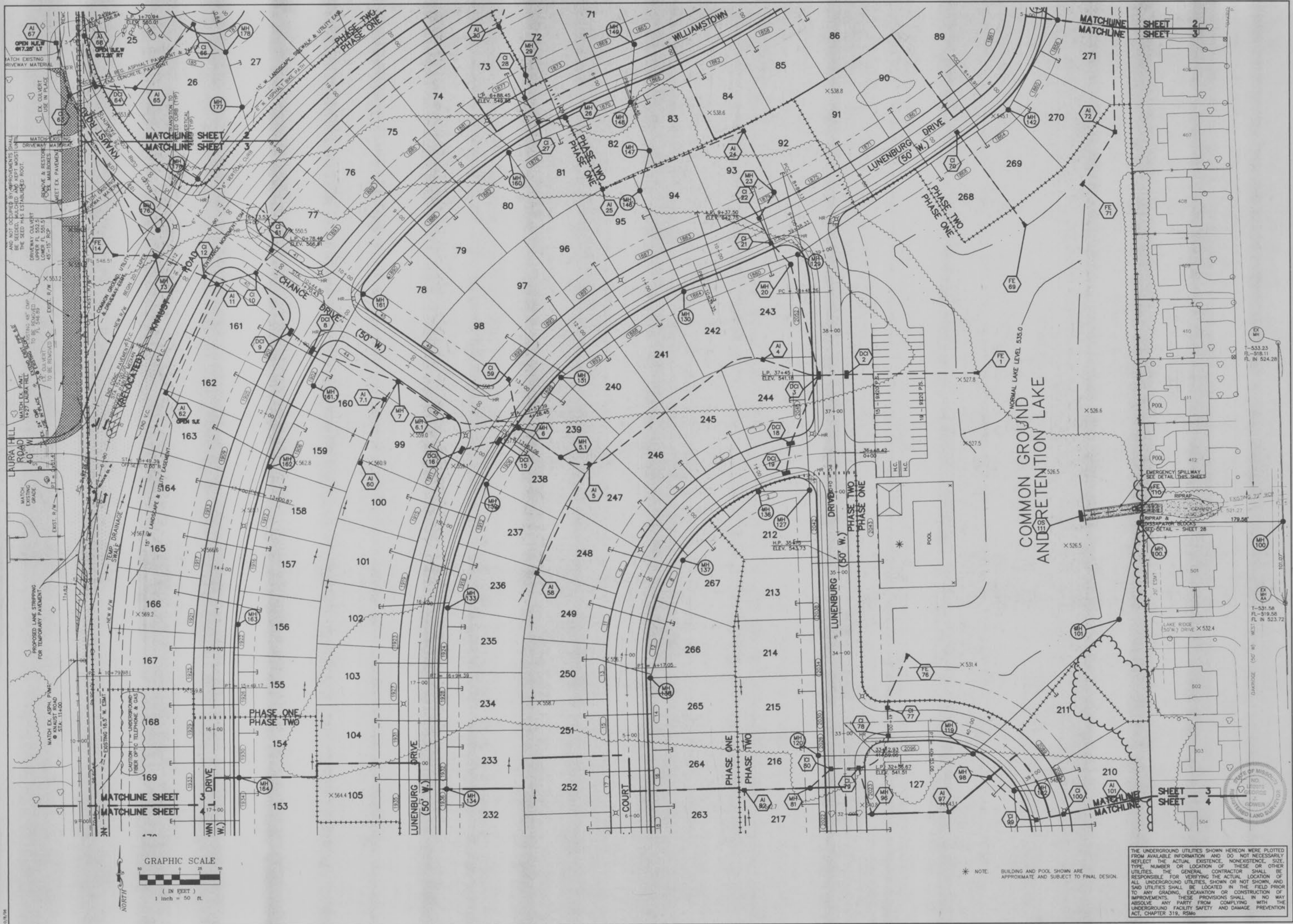
CORPORATE OFFICE
 PREPARED BY: 5095 NEW BAUMGARTNER ROAD
 ST. LOUIS, MO. 63129
 (314) 487-0440 FAX (314) 487-8944
STERLING
 ENGINEERS, SURVEYORS AND PLANNERS
 ILLINOIS OFFICE
 266 SOUTHWOOD CENTER, COLUMBIA, IL. 62236
 (618) 281-3800 FAX (618) 281-3802

DRAWN:	DESIGNED:	CHECKED:
		File

PROJECT: CHADWYCK
 SHEET TITLE: SITE PLAN

NO.	95 08 193
M.S.D.	
P#	2 13
SHEET	31
OF	





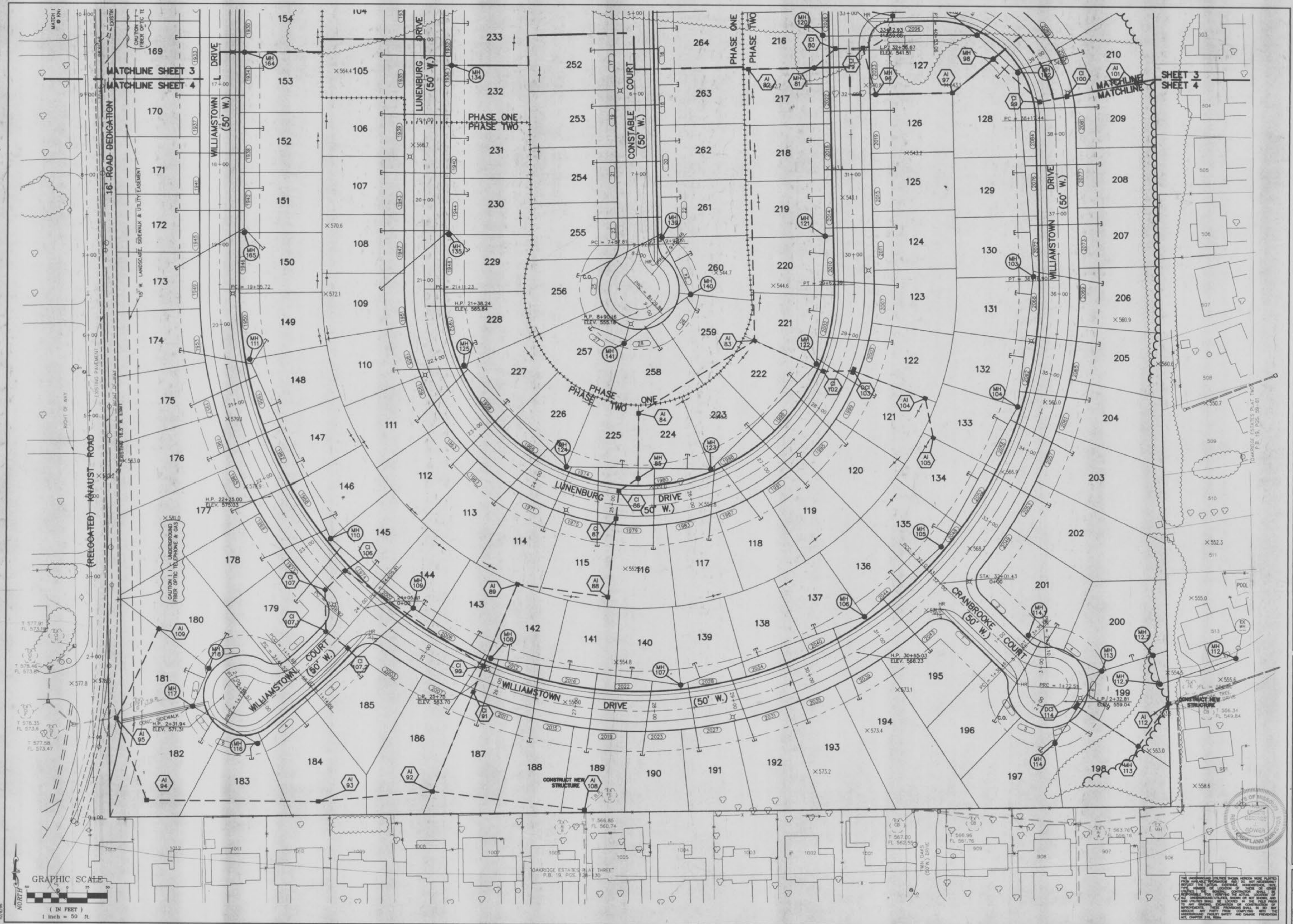
ISSUE	REMARKS/DATE
1	8/12/96
2	8/23/96
3	9/4/96
4	9/25/96
5	10/18/96
6	11/18/96

PREPARED FOR:
H.B. PROPERTIES, INC.
 5091 NEW BAUMGARTNER ROAD
 ST. LOUIS, MISSOURI 63129
 PHONE: (314) 487-6717

PREPARED BY:
STERLING CO.
 ENGINEERS, SURVEYORS AND PLANNERS
 (314) 487-0440, FAX 487-8944
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PROJECT:	NO. 95 08 193
DRAWN:	M.S.D.
DESIGNED:	SHEET 3 OF 31
CHECKED:	DATE 3/13/97
SHEET TITLE:	SITE PLAN

THE UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMo.



ISSUE	REMARKS/DATE
1	8/12/96
2	8/23/96
3	9/14/96
4	9/25/96
5	10/9/96
	1/12/96

PREPARED FOR:
J.H.B. PROPERTIES, INC.
 5091 NEW BAUMGARTNER ROAD
 ST. LOUIS, MISSOURI 63129
 PHONE: (314) 487-6717
 CONFIDENTIAL PROPRIETARY MATERIAL
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 SIGNED: *William Charles Hawn*
 WILLIAM CHARLES HAWN, PROFESSIONAL ENGINEER #19628



PREPARED BY:
the STEERING
 ENGINEERS, SURVEYORS AND PLANNERS
 ILLINOIS OFFICE
 1110 S. CENTER, COLUMBIA, ILL. 62236
 (618) 281-8800 FAX (618) 281-3802

DRAWN: *EL*
 DESIGNED: *EL*
 CHECKED: *EL*

PROJECT: **CHADWICK**
 SHEET TITLE: **SITE PLAN**

NO.	95 08 193
M.S.D.	SHEET
P#	4 13
DIGITAL FILE LOCATION	OF 31

THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE RECORDS AND DO NOT NECESSARILY REFLECT THE ACTUAL LOCATION, DEPTH OR CHARACTER OF SUCH UTILITIES. THE LOCATION OF ANY NEW UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO CONSTRUCTION. CONSTRUCTION OF ANY UTILITIES SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NATIONAL ELECTRICAL SAFETY CODE AND THE NATIONAL FIRE ALARM CODE.



3/6/97

I certify that these "As-Built" drawings represent actual locations, lengths, sizes, typical class of pipe to be installed by pipe manufacturer, location, depth, structure, etc. and that the public sewers have been constructed within existing or proposed easements as shown on this subdivision (or similar) plan with the exception of the following:

Final Measurement Plat

THE STERN COMPANY
170
2236
GEORGE
BY
George James Voss
M.O. Reg. Lic. - 3230

STATE OF MISSOURI
LAND SURVEYOR
NO. 100
LEWIS
GEORGE
&
GOWER
REGISTERED LAND SURVEYORS

9-24-96
10-8-96

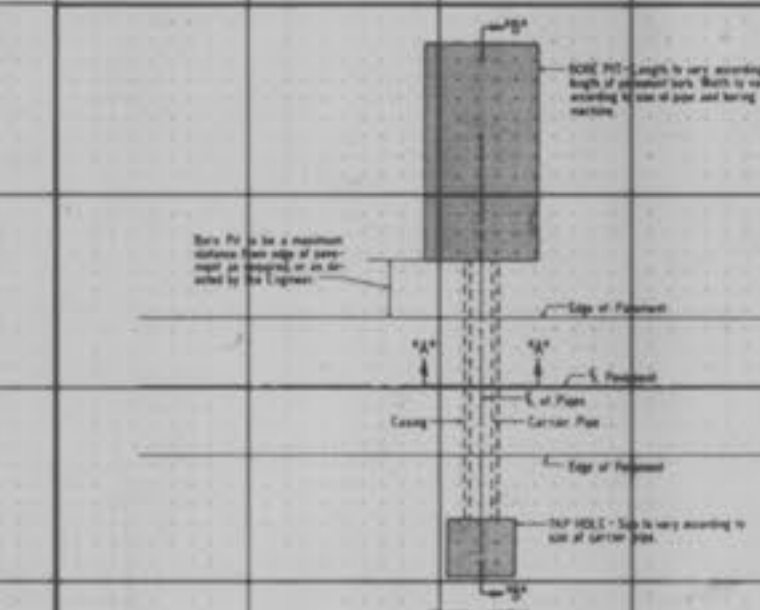
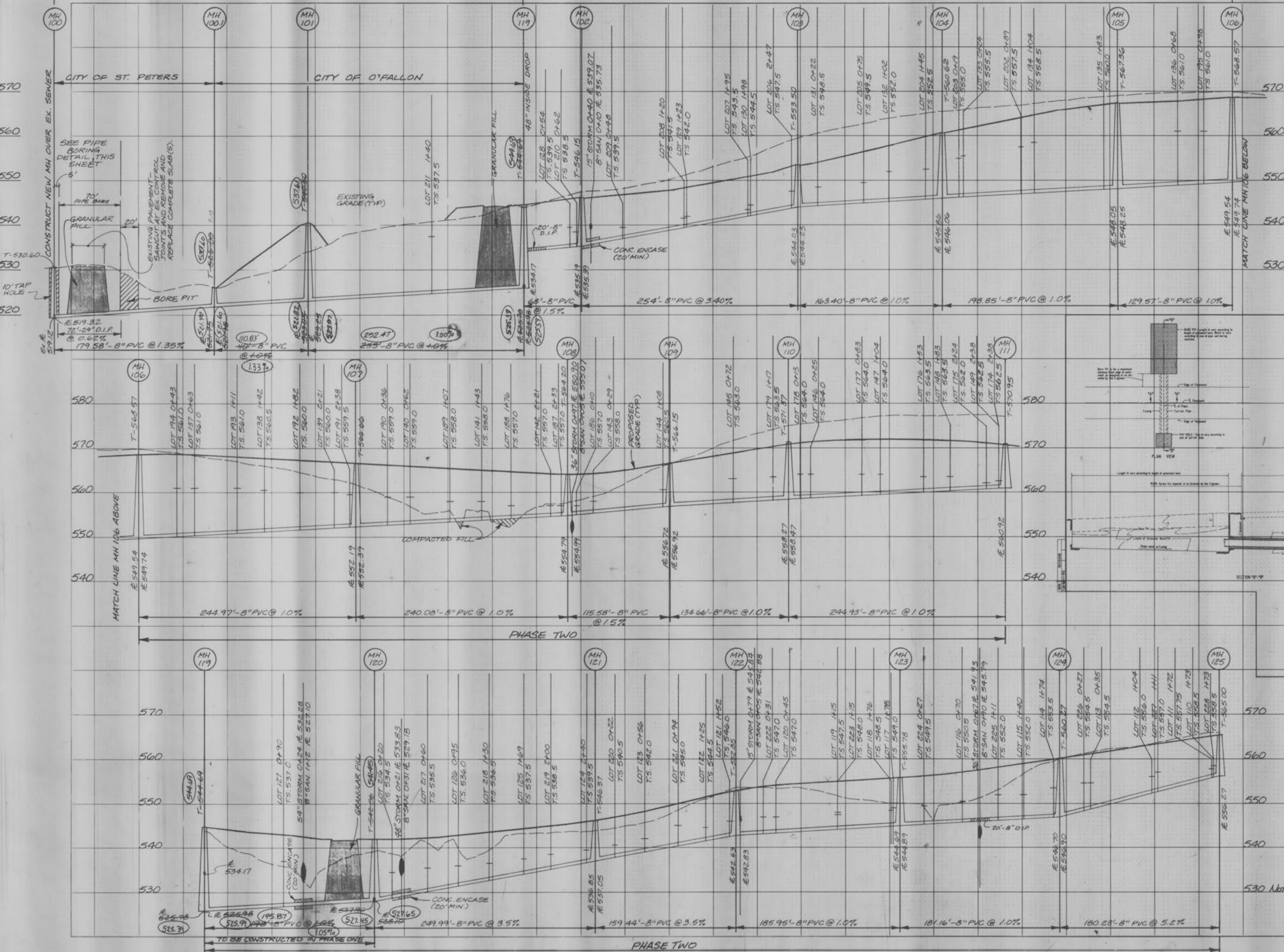
CONCRETE ENCASUREMENT

METROPOLITAN ST. LOUIS SEWER DISTRICT
Standard Details of Sewer Construction

W.S.H.
J.C.K. 1992 SHEET 5

GENERAL NOTES

1. See notes on other sheets.
2. Location of Encasement and Carver Pipe shall be as shown on the drawings.
3. Encasement shall be constructed in accordance with the following:
 - a. Encasement shall be constructed in accordance with the following:
 - 1. The pipe to be encased in the trench shall be supported by concrete on both sides.
 - 2. If necessary to encase a pipe in a trench, the pipe shall be supported by concrete on both sides.
 - 3. The concrete shall be placed in layers, each layer being 6" thick.
 - 4. The concrete shall be placed in layers, each layer being 6" thick.
 - 5. The concrete shall be placed in layers, each layer being 6" thick.
 - 6. The concrete shall be placed in layers, each layer being 6" thick.
 - 7. The concrete shall be placed in layers, each layer being 6" thick.
 - 8. The concrete shall be placed in layers, each layer being 6" thick.
 - 9. The concrete shall be placed in layers, each layer being 6" thick.
 - 10. The concrete shall be placed in layers, each layer being 6" thick.
4. The concrete shall be placed in layers, each layer being 6" thick.
5. The concrete shall be placed in layers, each layer being 6" thick.
6. The concrete shall be placed in layers, each layer being 6" thick.
7. The concrete shall be placed in layers, each layer being 6" thick.
8. The concrete shall be placed in layers, each layer being 6" thick.
9. The concrete shall be placed in layers, each layer being 6" thick.
10. The concrete shall be placed in layers, each layer being 6" thick.



SECTION 10'-0"

Diagram showing a vertical section of a manhole. The manhole is 10 feet high. The pipe is shown entering and exiting the manhole, with encasement details around the pipe. The manhole is labeled with a diameter of 20" and a depth of 10'.

PIPE BORING

BY MISSOURI COUNTY
DEPARTMENT OF HIGHWAYS AND TRAFFIC
CLAYTON, MISSOURI

WILLIAM CHARLES HAWN E-19628

1" = 10'
1" = 50'

31

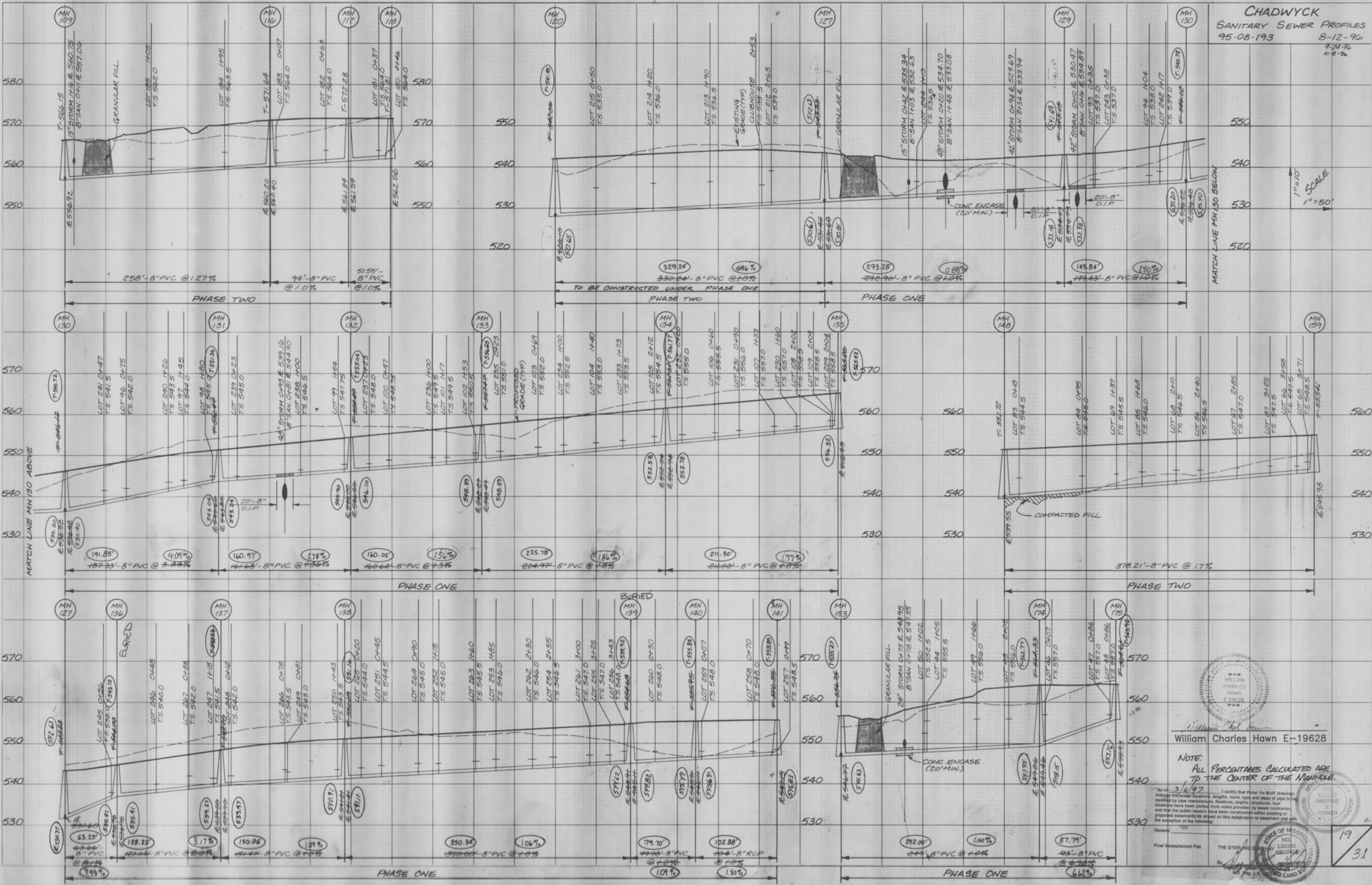
18

William Charles Hawn E-19628

ALL PERCENTAGES CALCULATED ARE TO THE CENTER OF THE MANHOLE.

FINAL SURVEY
BY: []
DATE: []
NOTED: []
REVISIONS: []
DATE: []

ORIGINAL SURVEY
BY: []
DATE: []
NOTED: []
REVISIONS: []
DATE: []



1"=10'
1"=50'



William Charles Hawn E-19628

NOTE: ALL PERCENTAGES CALCULATED ARE TO THE CENTER OF THE MANHOLE.

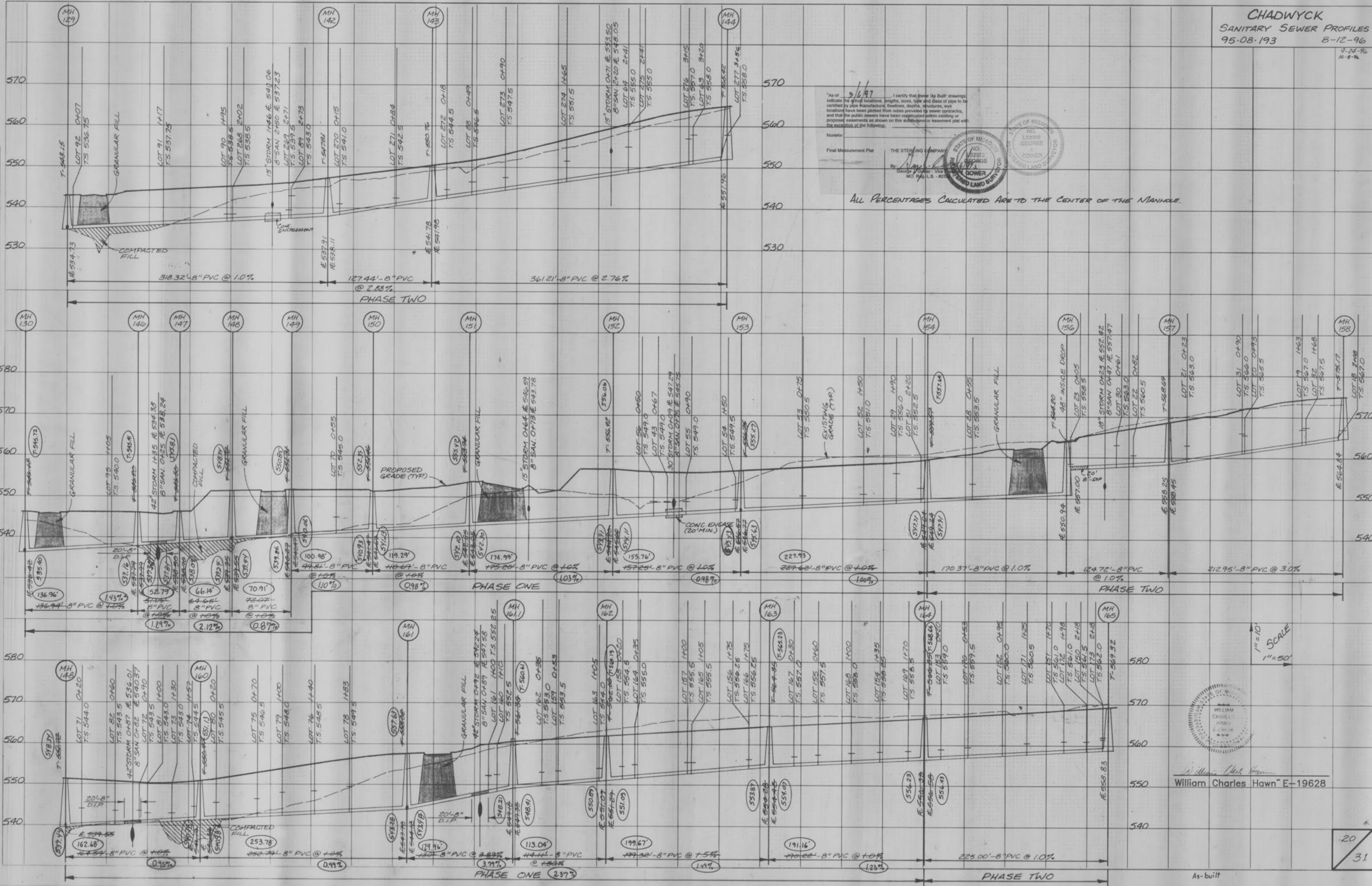
As of 3/6/97, I certify that these 'As Built' drawings indicate the actual location, lengths, sizes, type and slope of pipe to be installed by pipe manufacturer, foundation, depth, structures, etc. and that the public sewers have been constructed within existing or proposed easements to which this subdivision or easement pertains with the exception of the following:

Final Measurement Plat
THE STERLING COMPANY
NO. 152335
GEORGE
STATE OF MISSOURI
LAND SURVEYOR



FINAL SURVEY
BY: [Signature]
DATE: [Blank]
NOTED: [Blank]
CHECKED: [Blank]

ORIGINAL SURVEY
BY: [Signature]
DATE: [Blank]
NOTED: [Blank]
CHECKED: [Blank]



As of 3/1/97, I certify that these 'As-Built' drawings indicate the actual locations, lengths, sizes, type and class of pipe to be certified by pipe manufacturer, flowlines, depths, structures, well locations have been plotted from notes provided by sewer contractor, and that the public owners have been notified within existing or proposed easements as shown on this subdivision or easement plat with the exception of the following:

Final Measurement Plat
THE STEERING COMPANY
By: [Signature]
STATE OF MISSISSIPPI
NO. 12322
GEORGE J. DOWER
LAND SURVEYOR

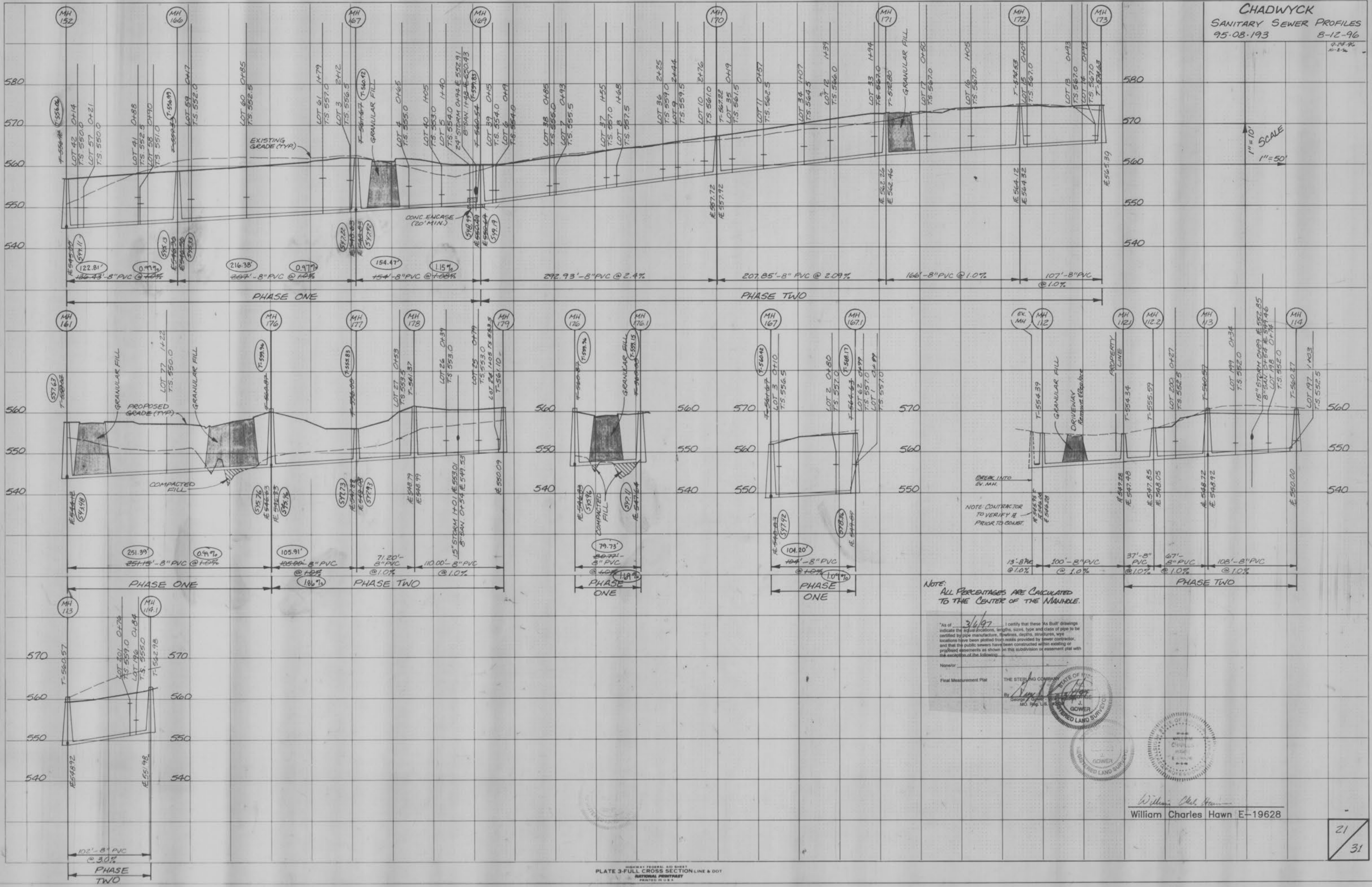
ALL PERCENTAGES CALCULATED ARE TO THE CENTER OF THE MANHOLE.

William Charles Hawn
E-19628

20
31

FINAL SURVEY
DATE: [] BY: []
NOTED: []
NOTE BOOK: []
NO. []
AREAS CHECKED: []

ORIGINAL SURVEY
DATE: [] BY: []
NOTED: []
NOTE BOOK: []
NO. []
AREAS CHECKED: []



NOTE: ALL PERCENTAGES ARE CALCULATED TO THE CENTER OF THE MANHOLE.

"As of 3/6/97 I certify that these 'As Built' drawings indicate the actual location, length, size, type and class of pipe to be certified by pipe manufacturer, supplier, dealer, distributor, etc. and that the public sewers have been constructed within existing or proposed easements as shown on this subdivision or assessment plat with the exception of the following:

Monitor
Final Measurement Plat



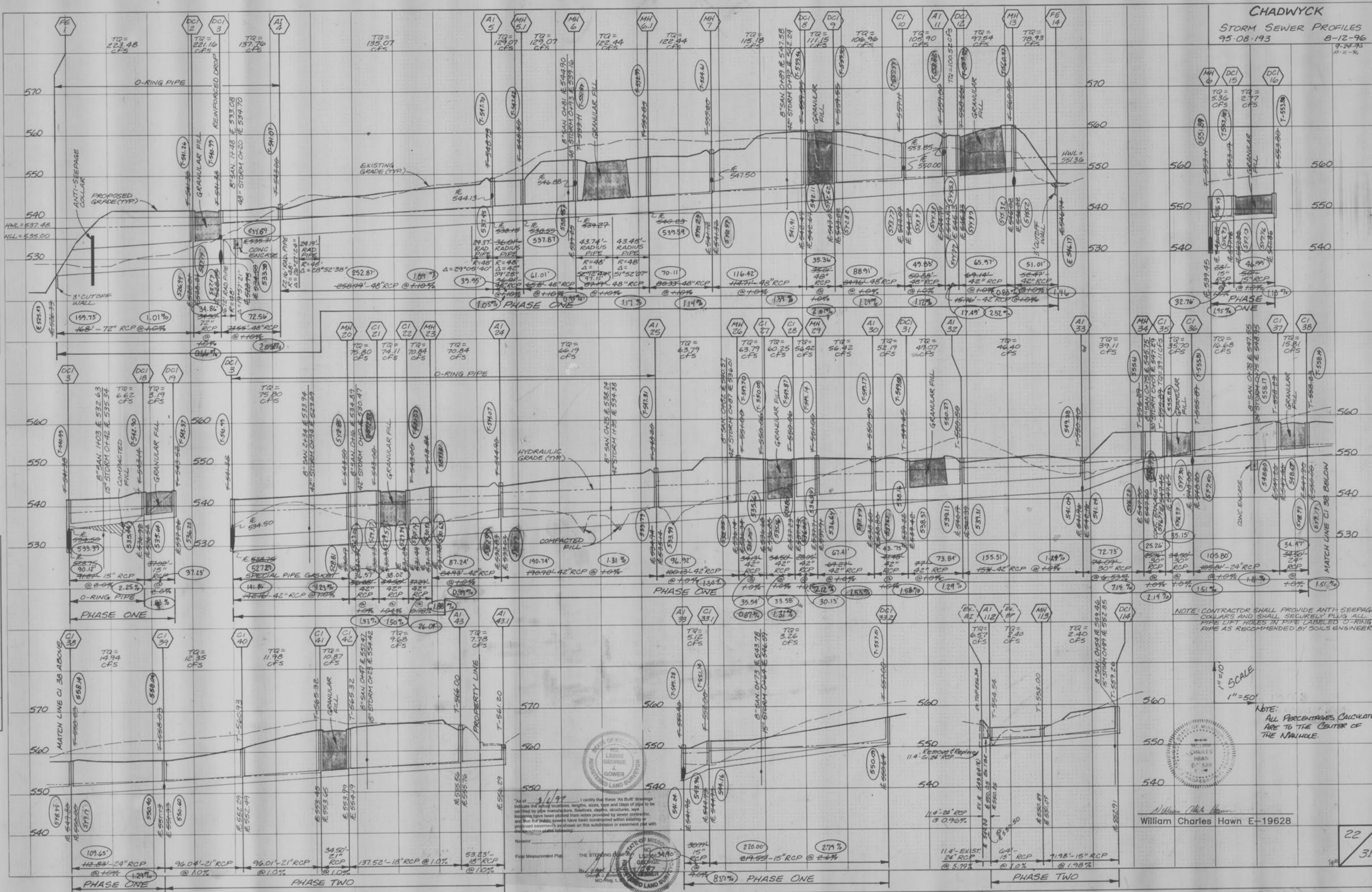
William Charles Hawn E-19628

CHADWYCK

STORM SEWER PROFILES
95-08-193 8-12-96

DATE: _____
BY: _____
REVISIONS:
NO. DATE DESCRIPTION
1. 10/1/95 PLOTTED
2. 10/1/95 TEMPLATE
3. 10/1/95 NOTE BOOK
4. 10/1/95 AREA INDEXED

DATE: _____
BY: _____
REVISIONS:
NO. DATE DESCRIPTION
1. 10/1/95 PLOTTED
2. 10/1/95 TEMPLATE
3. 10/1/95 NOTE BOOK
4. 10/1/95 AREA INDEXED

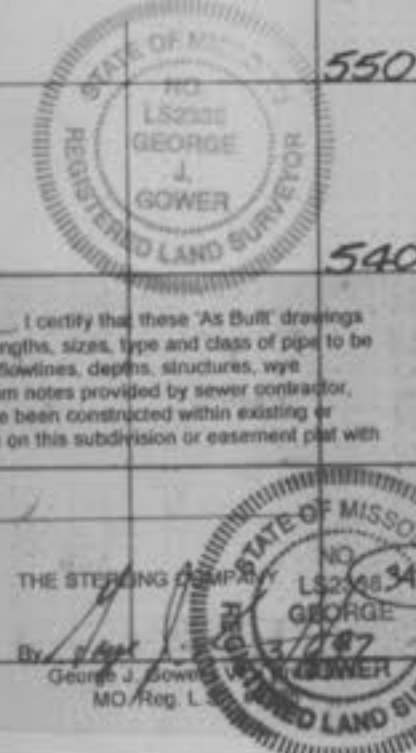


NOTE: CONTRACTOR SHALL PROVIDE ANTI-SEEPAGE COLLARS AND SHALL SEAL KEEPLY PLUS ALL PIPE LIFT HOLES IN PIPE LABELED O-RING PIPE AS RECOMMENDED BY SOILS ENGINEER.

1"=10'
1"=50'

NOTE: ALL PERCENTAGES CALCULATED ARE TO THE CENTER OF THE MANHOLE.

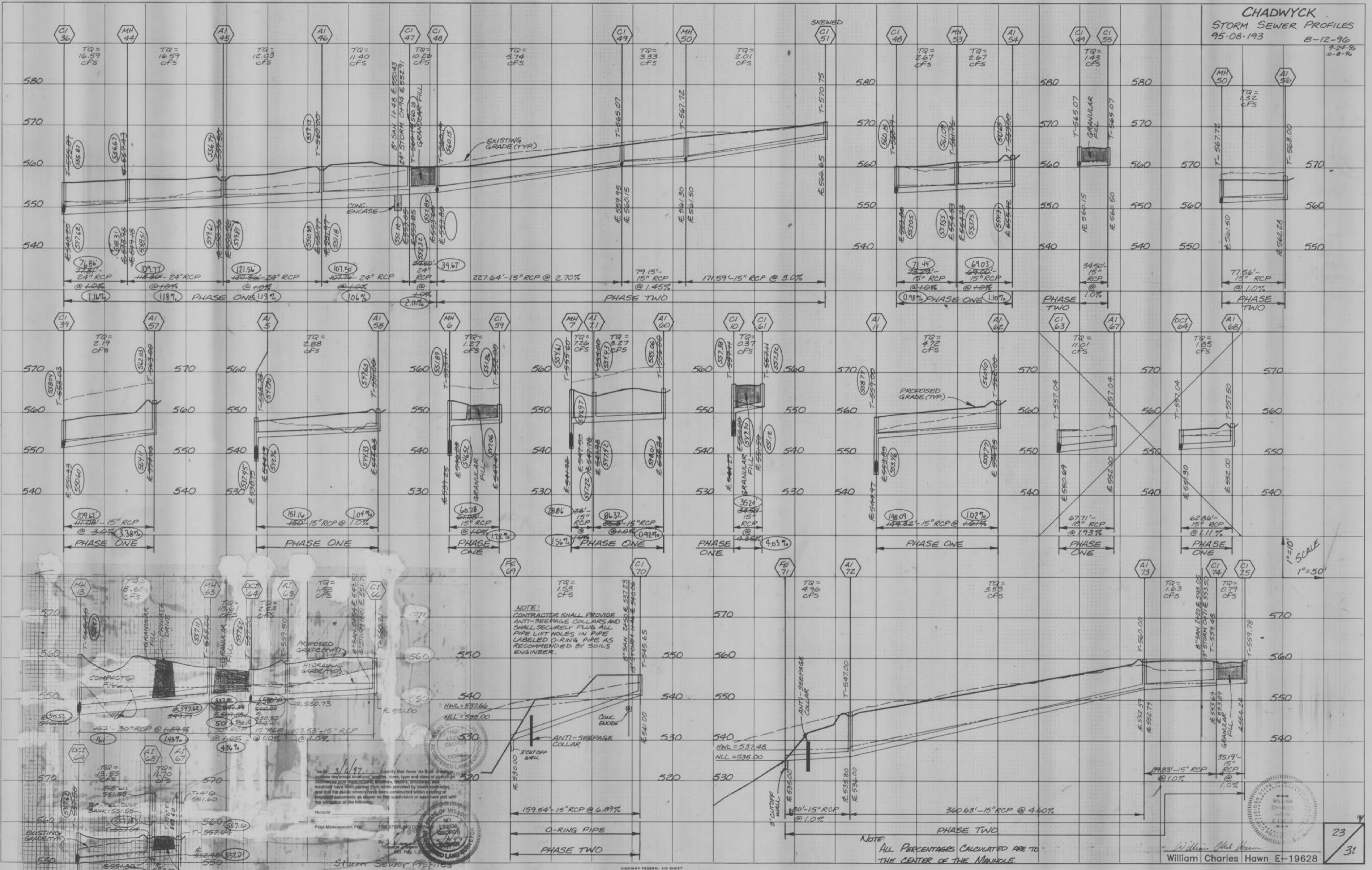
William Charles Hawn E-19628



CHADWYCK
STORM SEWER PROFILES
 95-08-193 8-12-96

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 ORIGINAL SURVEY: _____
 NOTE BOOK: _____
 AREA CHECKED: _____

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 ORIGINAL SURVEY: _____
 NOTE BOOK: _____
 AREA CHECKED: _____



NOTE:
 CONTRACTOR SHALL PROVIDE
 ANTI-SEEPAGE COLLARS AND
 SHALL SECURELY PLUG ALL
 PIPE LIFT HOLES IN PIPE
 LABELED O-RING PIPE AS
 RECOMMENDED BY SOILS
 ENGINEER.

As of 3/1/97, I certify that these 'As Built' drawings
 include the actual location, bearing, size, type and class of pipe for
 all pipe segments, manholes, structures, appurtenances, etc.
 located here. I have plotted from notes provided by sewer contractor,
 and that the public sewers have been constructed without violating or
 proposed easements as shown on this subdivision or easement plat with
 the exception of the following:

First Measurement Point: _____
 The STERLING CO.

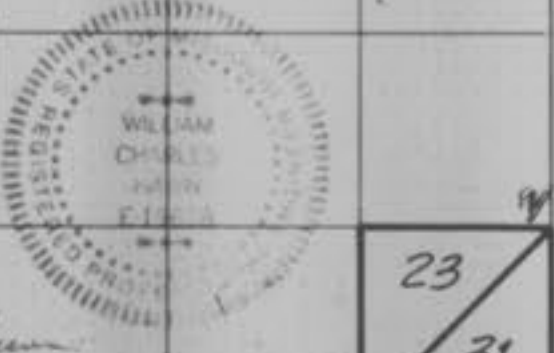
Storm Sewer Profiles
CHADWYCK
 (95-08-193)
 The STERLING CO.

HIGHWAY FEDERAL AID SHEET
 PLATE 3-FULL CROSS SECTION LINE & DOT
 NATIONAL PRIORITY
 PRINTED IN U.S.A.

NOTE:
 ALL PERCENTAGES CALCULATED ARE TO
 THE CENTER OF THE MANHOLE.

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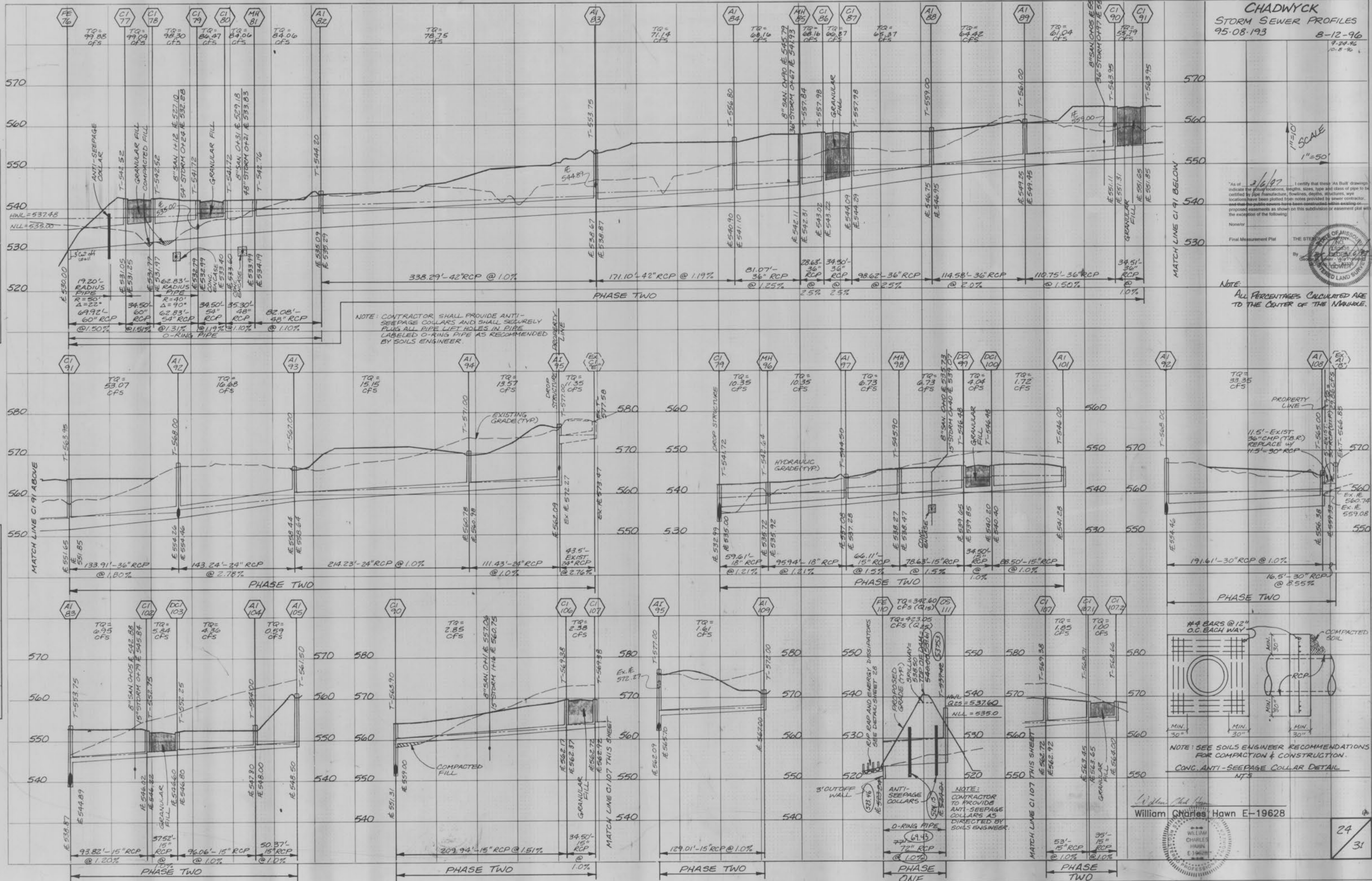
1"=10'
 1"=50'



CHADWYCK
STORM SEWER PROFILES
 95-08-193 8-12-96

FINAL SURVEY PLOTTED TEMPLATE NOTE BOOK AREAS CHECKED

ORIGINAL SURVEY PLOTTED TEMPLATE NOTE BOOK AREAS CHECKED



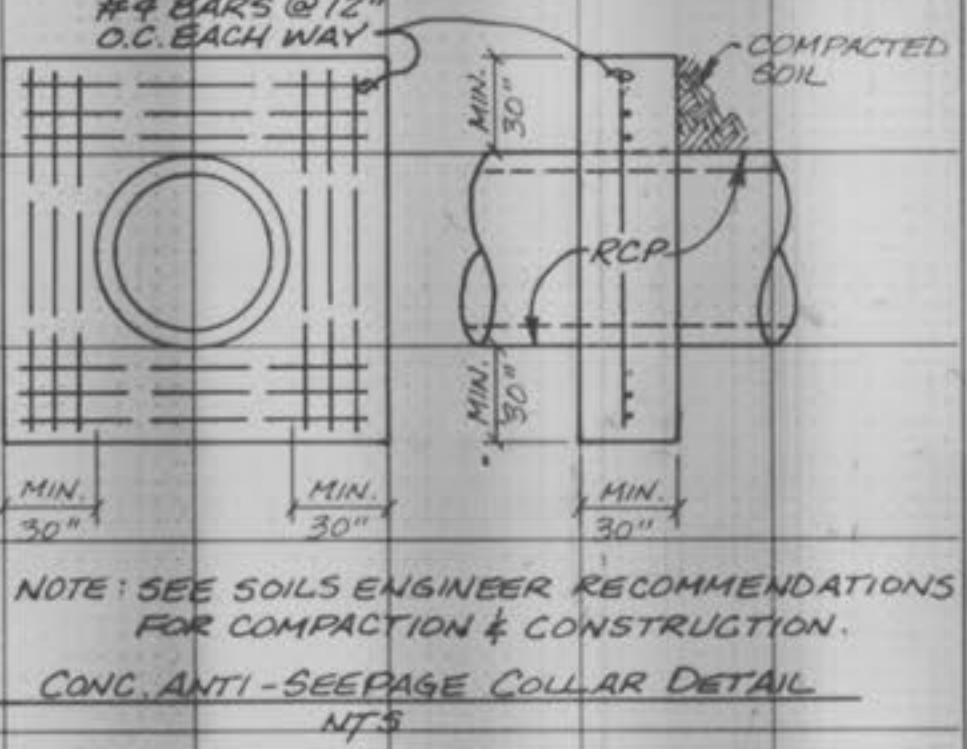
1"=50'
SCALE

As of 3/6/97, I certify that these 'As Built' drawings indicate the ground locations, lengths, sizes, type and class of pipe to be certified by pipe manufacturer, flowlines, depths, structures, etc. Locations have been plotted from notes provided by lower contractor, and that the public sewers have been constructed within existing or proposed easements as shown on this subdivision or easement plat with the exception of the following:

Final Measurement Plat

THE STATE OF MISSISSIPPI
 LAND SURVEYING BOARD

NOTE: ALL PERCENTAGES CALCULATED ARE TO THE CENTER OF THE MANHOLE.



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