

NOTE:

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PROJECT BENCHMARK:

SE TAB BOLT ON HYDRANT AT SW CORNER WARRIOR LANE & UNIVERSITY AVENUE
ELEV=1028.39

GENERAL NOTES

- All work shall comply with applicable city, and county codes, ordinances, regulations and rules, including Waukee standard specifications for public improvements
- All debris spilled on the streets or adjacent property shall be promptly removed by the Contractor.
- All construction procedures and materials to meet or exceed minimum requirements of City of Waukee.
- All work shall be done in accordance with current OSHA codes and standards. Nothing indicated on these plans shall relieve the Contractor from complying with any and all appropriate safety regulations.
- The Contractor shall furnish and place all necessary signs and barricades during construction, in accordance with the Manual of Uniform Traffic Control Devices for Streets and Highways.
- The Contractor shall be responsible for giving the City of Waukee proper notice for their required inspections.
- The Contractor shall be responsible for obtaining any and all required permits for performing the work.
- Work shall include connection to existing public utilities and any and all fittings, cleanouts and appurtenances required by codes.
- The Contractor is responsible for clearing & grubbing the site, and removal & disposal of any deleterious and excess materials from the site.
- The Contractor shall place silt fence around all storm sewer inlet locations, steep slopes, or as directed by the City.
- Any damage done to the existing fences, yards or other structures outside the construction limits shall be repaired at the Contractor's expense.

WATER MAINS

- The Contractor shall arrange and pay for the required taps to the public water main.
- Water main shall have a minimum of 5.5 feet cover.
- All hydrants shall be 18" minimum from sidewalks.
- The contractor shall verify before placing F.H.'s that no part of the F.H. shall be closer than 18" to a proposed sidewalk. F.H.'s shall also be placed on the extension of lot lines as shown on the plans. Additional stakes for lot corners and sidewalks shall be set.

SANITARY SEWERS

- The sanitary sewer pipe bedding shall be granular encasement.
- Vertical separation between sanitary sewer and water main and storm sewer shall be 1.50 feet minimum.

PCC PAVING

- All subgrade under slab to be compacted to 95% Standard Proctor density for a minimum of 12". Recommended moisture content range 0% to +4% of optimum.
- Moisten subgrade prior to placing concrete.
- Concrete shall have minimum 28-day compressive strength of 4000 psi.
- Aggregate shall be Class 4.
- Concrete surfaces shall be burlap finish. Check surface with template. No deviation over 1/8" in 10' is permitted. All concrete shall slope to drain.
- All concrete shall be cured with an ASTM C309 Type 2 water based white pigmented curing compound per IDOT Sec. 4105
- Saw cut joints as soon as concrete has set enough to prevent tearing of the concrete adjacent to the joint and prior to any cracking.
- Saw cuts to be 1/8" to 1/4" wide; Depth: longitudinal T/3, transverse T/4.
- Longitudinal joint spacing shall not be greater than 12'. Joint layout shall be approved by the Engineer.
- Bars at longitudinal joints to be #5 X 30" deformed at 30" o.c. and shall be epoxy coated.
- All joints shall be filled with W-R Meadows D-164 Hot Pour Rubber Base Joint Sealer or approved equal.
- The Contractor to barricade slab for 14 days after placing.
- Street thicknesses shall be 7-inch non-reinforced.
- Submit design mix as designed by independent testing laboratory prior to placing any concrete.
- All work to comply with current ACI standards.

CONSTRUCTION PLANS
OF

GLYNN VILLAGE PLAT 3

CITY OF WAUKEE
DALLAS COUNTY, IOWA

FOR

HUBBELL REALTY COMPANY

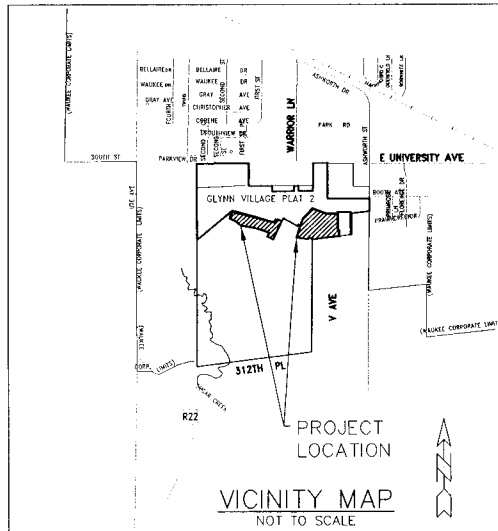
PREPARED BY:

ERG

Engineering Resource Group, Inc.
Engineers and Surveyors
2413 GRAND AVENUE
DES MOINES, IOWA 50312
(515) 288-4823

PLANS APPROVED BY
CITY OF WAUKEE

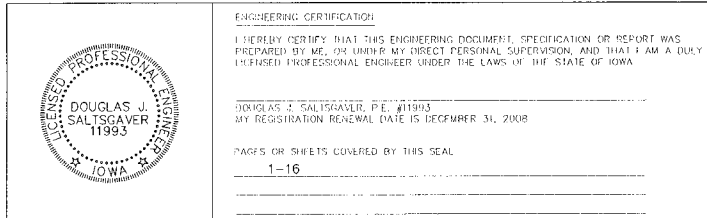
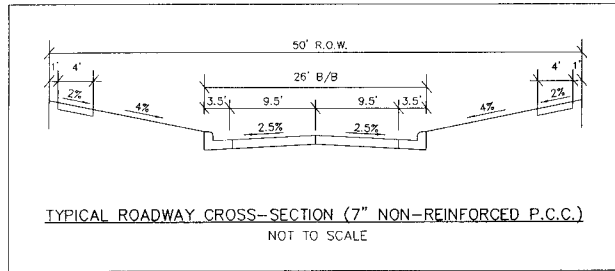
DATE: _____



NOTE: SEE STORM WATER
POLLUTION PREVENTION PLAN FOR
EROSION CONTROL MEASURES.

INDEX OF SHEETS

- COVER SHEET
- PROJECT MAP
- GRADING PLAN - ENTIRE SITE
- GRADING PLAN - EAST
- GRADING PLAN - WEST
- SE AIDAN STREET. - SANITARY & WATER
- SE WADDELL WAY - SANITARY & WATER
- EMERSON LANE - SANITARY & WATER
- HANNAH LANE & SNYDER STREET
SANITARY & WATER
- SE AIDAN STREET. - PAVEMENT & STORM SEWER
- SE WADDELL WAY - PAVEMENT & STORM SEWER
- EMERSON LANE - PAVEMENT & STORM SEWER
- HANNAH LANE & SNYDER STREET
PAVEMENT & STORM SEWER
- EMERSON LANE - GREENBELT STORM SEWER
- SE AIDAN STREET - GREENBELT STORM SEWER & TRAIL
- DETAILS

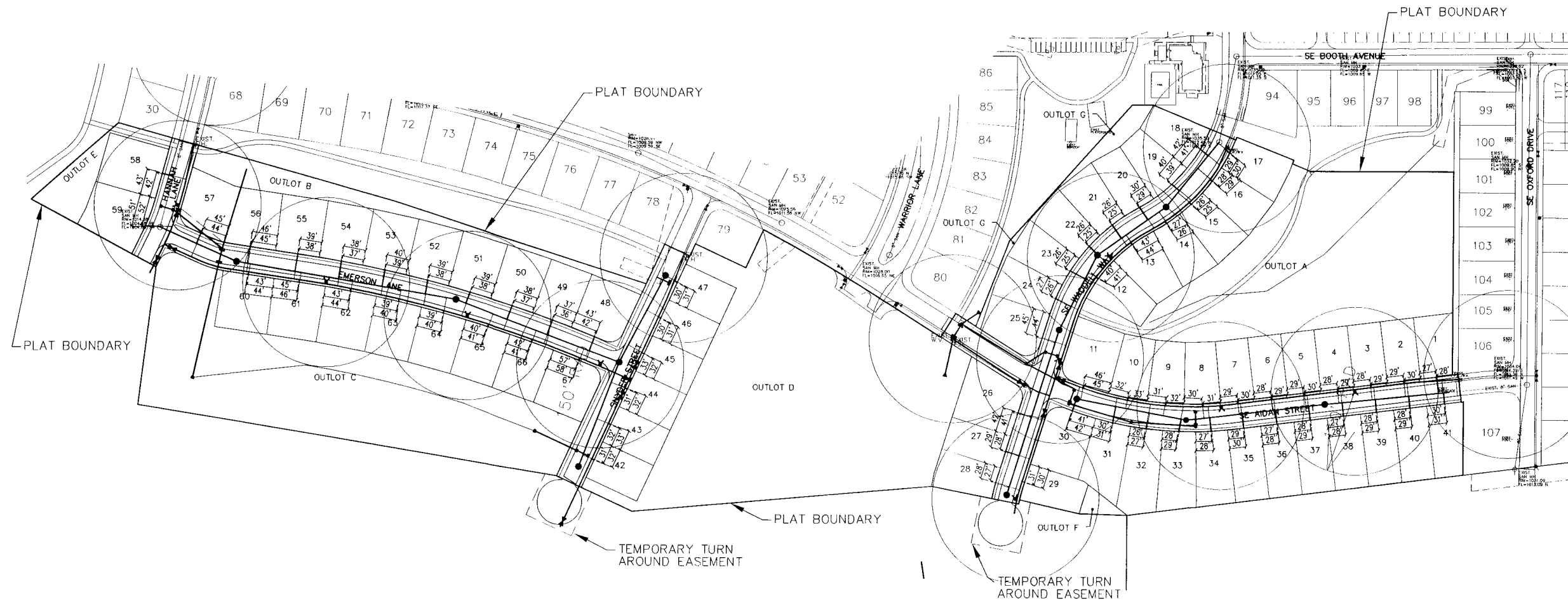
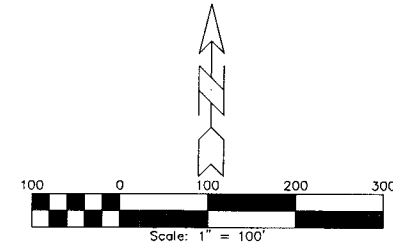


RECORD DRAWINGS

OF SANITARY AND STORM SEWER STRUCTURE TOPS AND FLOWLINES
AND HORIZONTAL LOCATION OF SERVICES FOR SANITARY AND WATER. DATE: 07/23/07 7005.00

GLYNN VILLAGE PLAT 3

NOTE:
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RECORD DRAWINGS 2

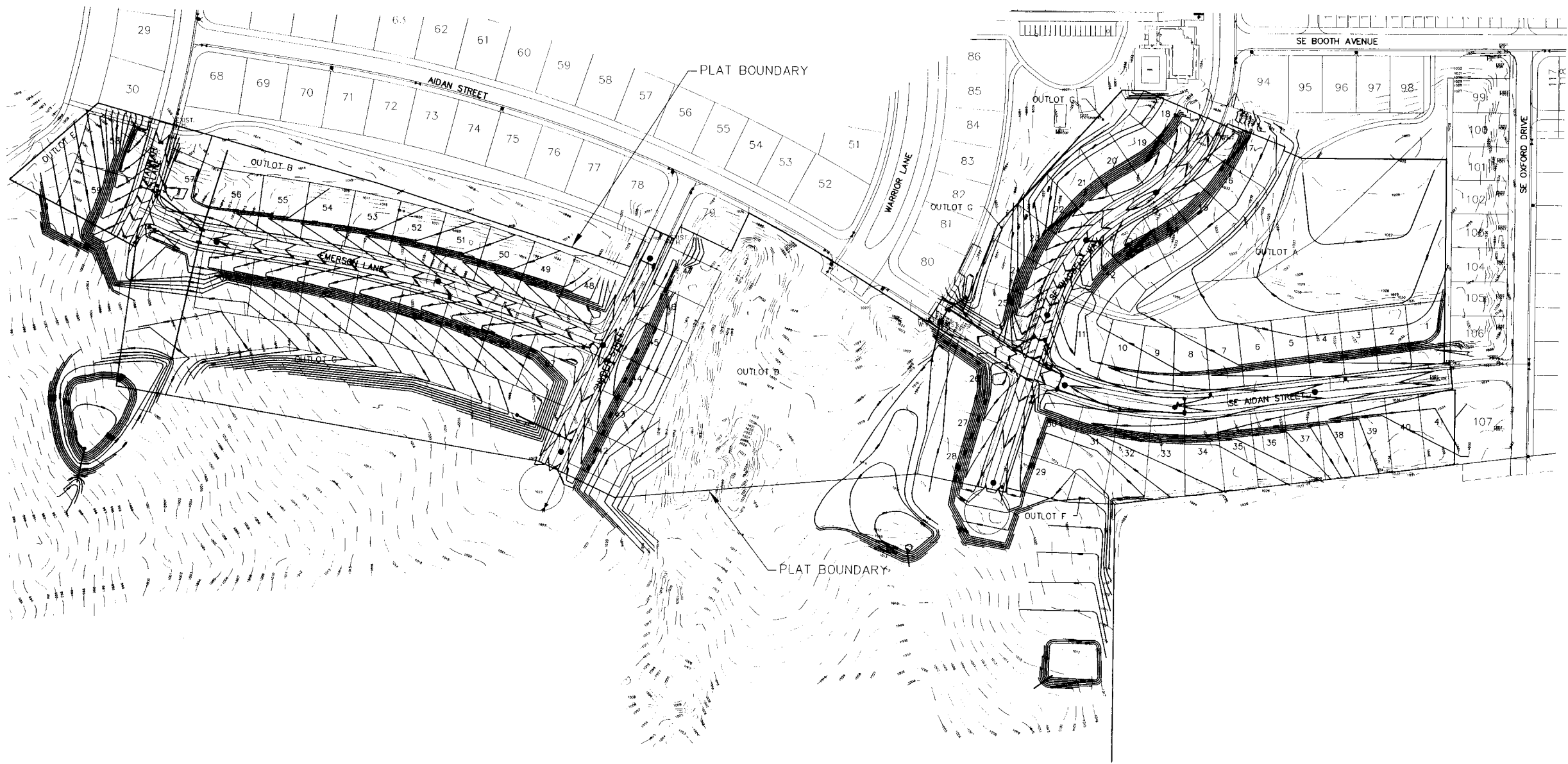
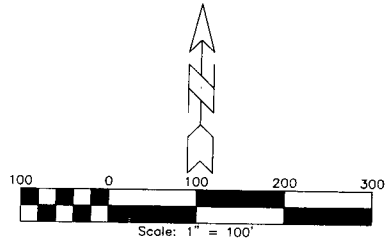
ERG
Engineering Resource Group, Inc.
2415 GRAND AVENUE
DES MOINES, IOWA 50312
(515) 288-4823

GLYNN VILLAGE PLAT 3 - PROJECT MAP

NO.	DATE	BY	FOR	LOCATION	SCALE: 1" = 100'	DESIGNED BY: DJS	DRAWN BY: TEB
					DWG: 7005PRJ.DWG	CHECKED BY: DJS	DATE: 07/23/07
						SHEET 2	OF 16
							FILE NO.: 7005

7005.00

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3

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(515) 288-4823

7005.00

GLYNN VILLAGE PLAT 3 - GRADING PLAN

NO.	REVISION	DATE	BY	FOR

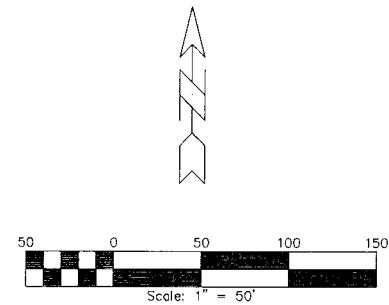
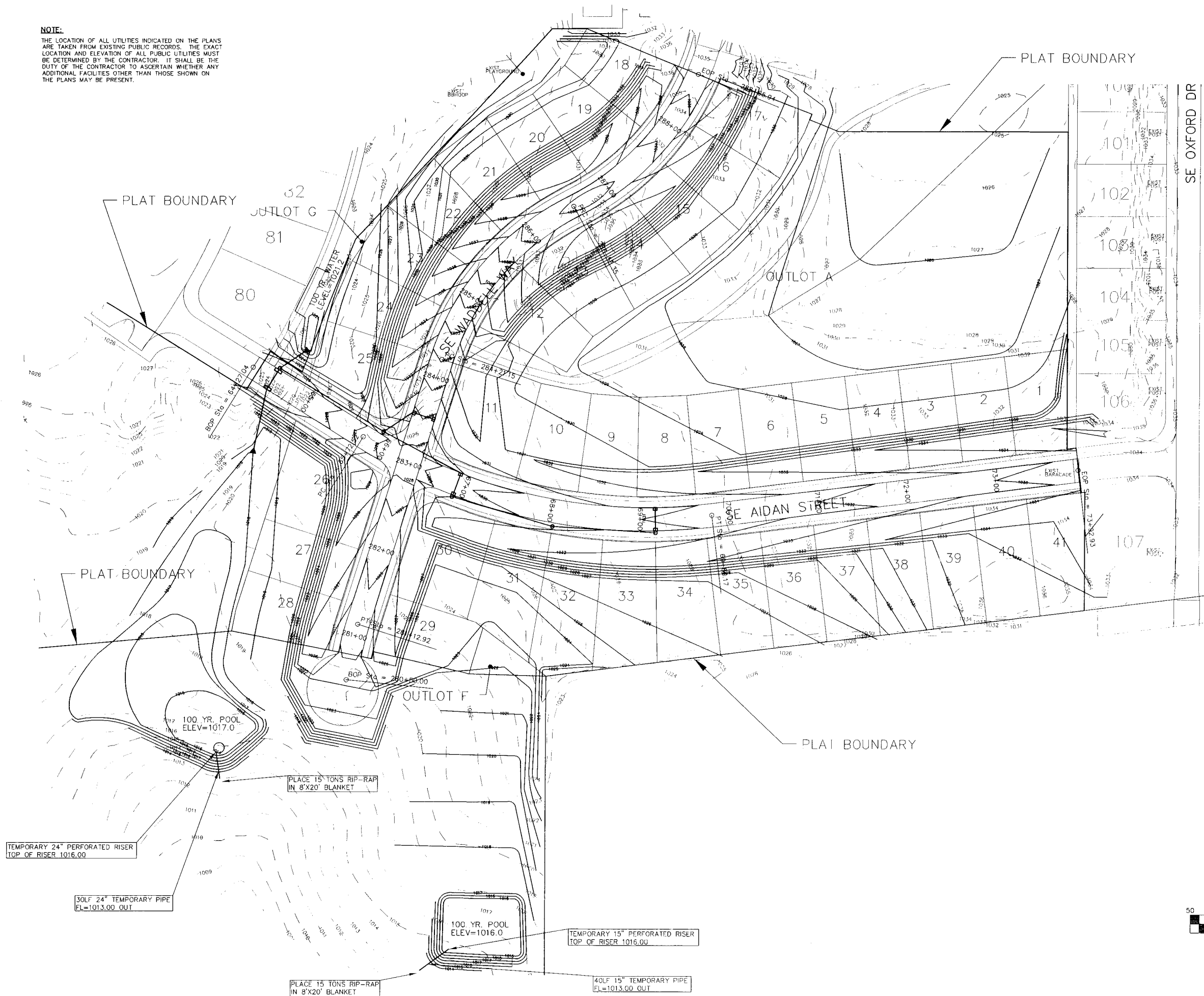
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SCALE: 1" = 100'

DESIGNED BY: DJS
CHECKED BY: DJS
DWG: 7005GRD.DWG

DRAWN BY: TEB
DATE: 07/23/07
SHEET 3 OF 16
FILE NO.: 7005

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GLYNN VILLAGE PLAT 3 EAST GRADING PLAN

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NO.	REVISION	DATE	BY	FOR

SCALE: 1" = 50'	DESIGNED BY: DJS	LOCATION:
DWG: 7005GRD2.DWG	CHECKED BY: RPV	
FIELD BOOK:	SHEET 4 OF 16	
	DATE: 07/23/07	
	FILE NO: 7005	

INSTALL 60LF TEMPORARY
30" PIPE @ 1.00%
FL=1094.40 S

INSTALL TEMPORARY 30"
PERFORATED RISER
TOP=1001.00
FL=1095.00

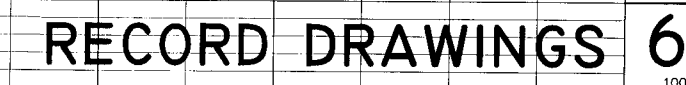
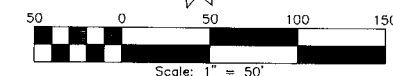
PLACE 15 TONS
RIP-RAP IN
8'X20' BLANKET



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NO.	REVISION	DATE	BY	FOR:	LOCATION:	SCALE: 1" = 60'	DESIGNED BY: DJS	DRAWN BY: TEB
						DWG: 7005GRD1.DWG	CHECKED BY: RPV	DATE: 07/23/07
						FIELD BOOK:	SHEET 5 OF 16	FILE NO.: 7005

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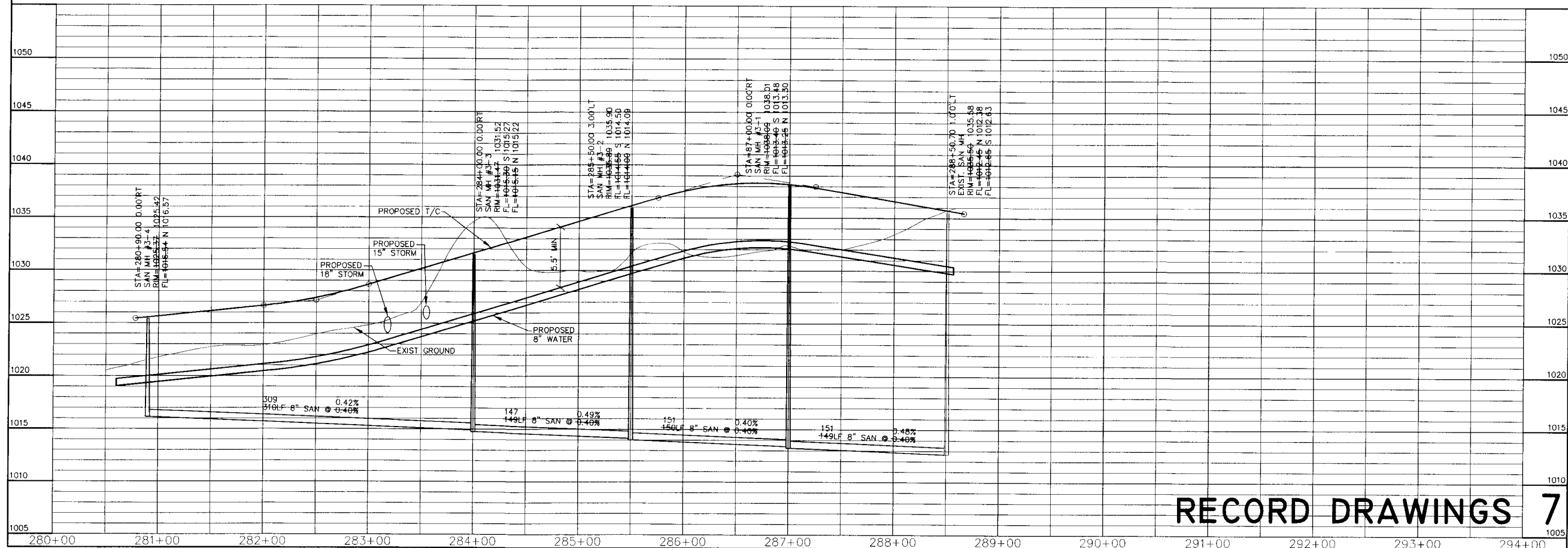
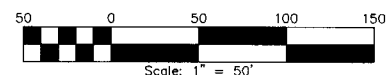


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NO.		REVISION		DATE	BY	FOR:	LOCATION:		SCALE:	1" = 50'	DRAWN BY:	DJS	TEB
									DWG:	7005PPG.DWG	CHECKED BY:	DJS	DATE:
													07/23/07

7005.00

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RECORD DRAWINGS

7

SE WADDELL WAY - SANITARY AND WATER

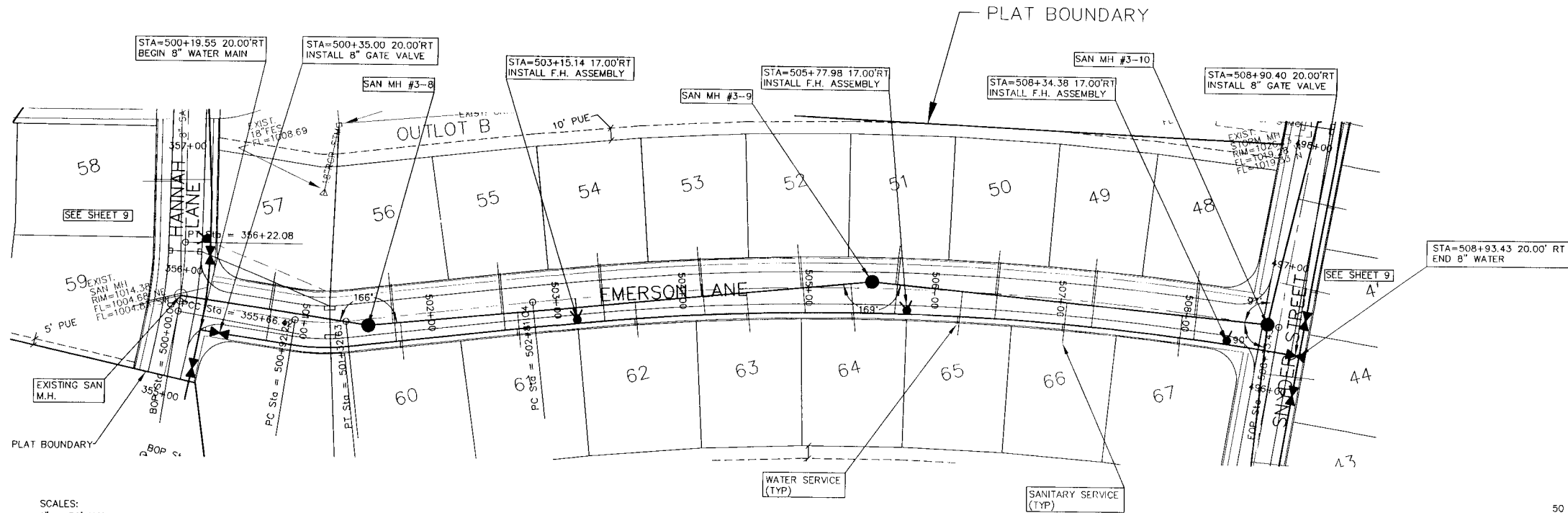
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DES MOINES, IOWA 50312
(515) 238-4823

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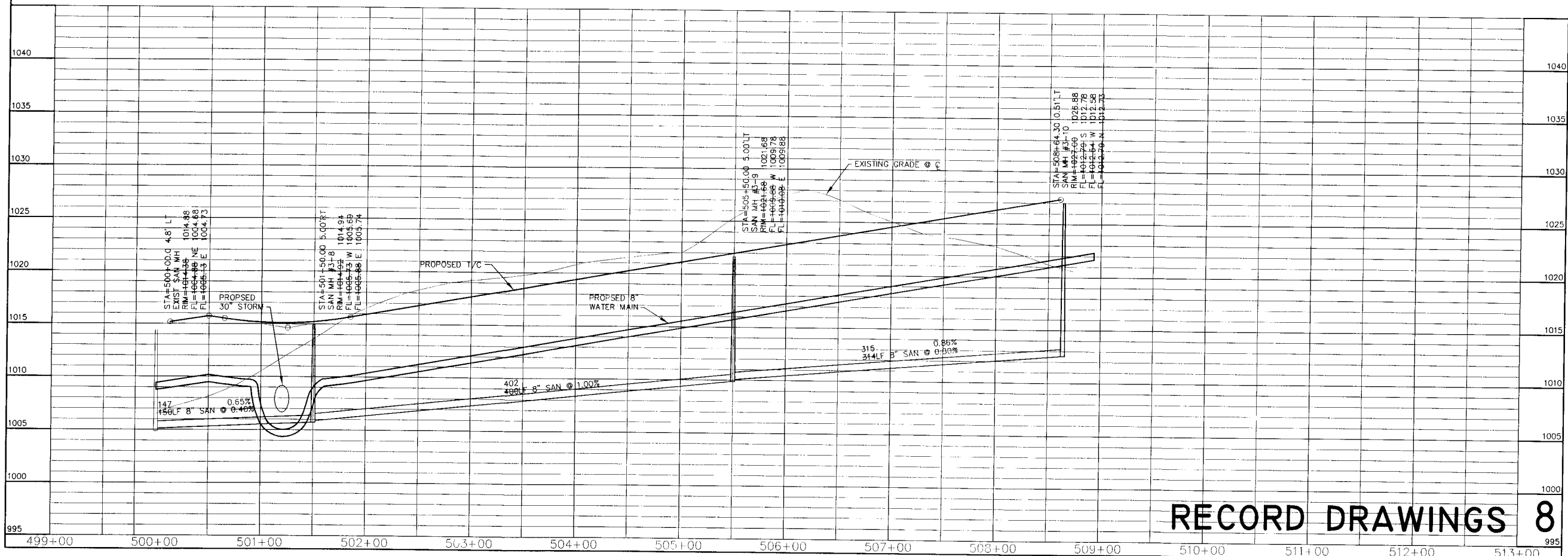
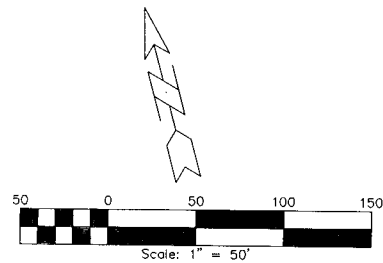
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SCALES:
1" = 50' HOR
1" = 5' VER



RECORD DRAWINGS

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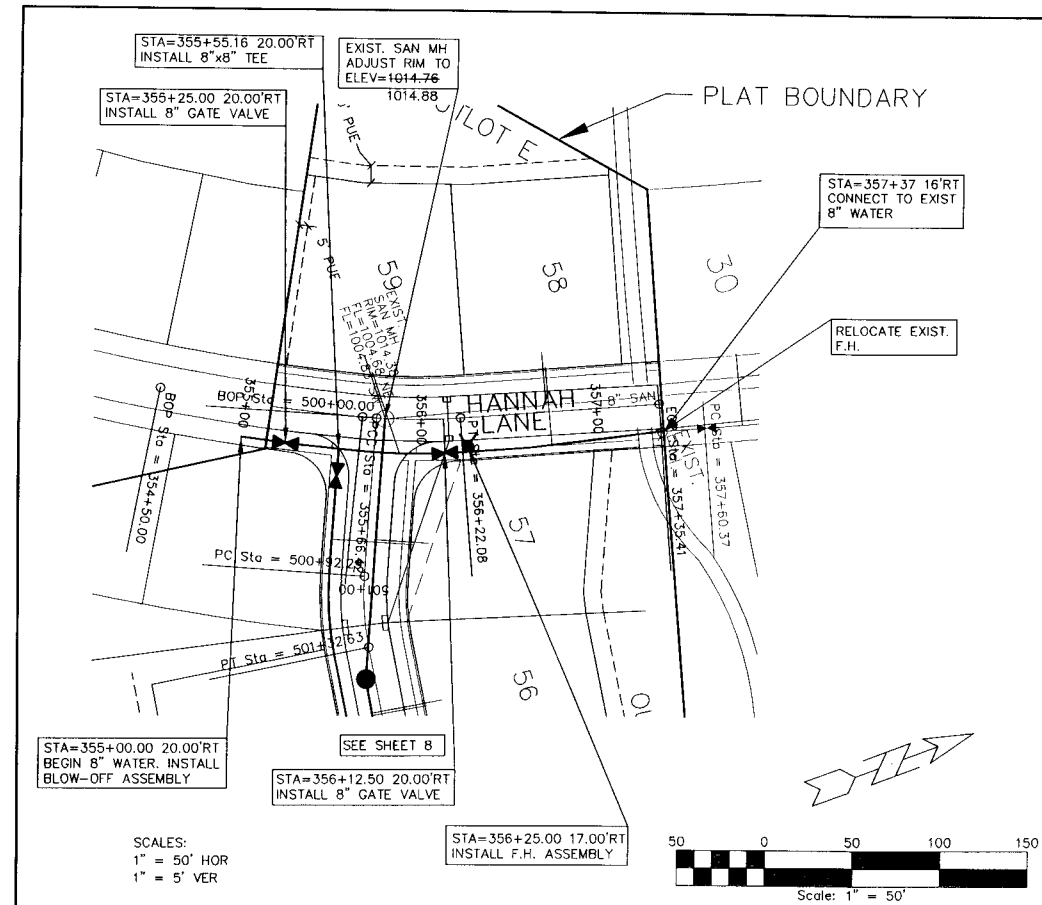
EMERSON LANE - SANITARY AND WATER

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NO.	REVISION	DATE	BY	FOR	LOCATION	SCALE	DESIGNED BY	CHECKED BY	DWG.	SHEET	OF	FILE NO.	DATE	7/23/07
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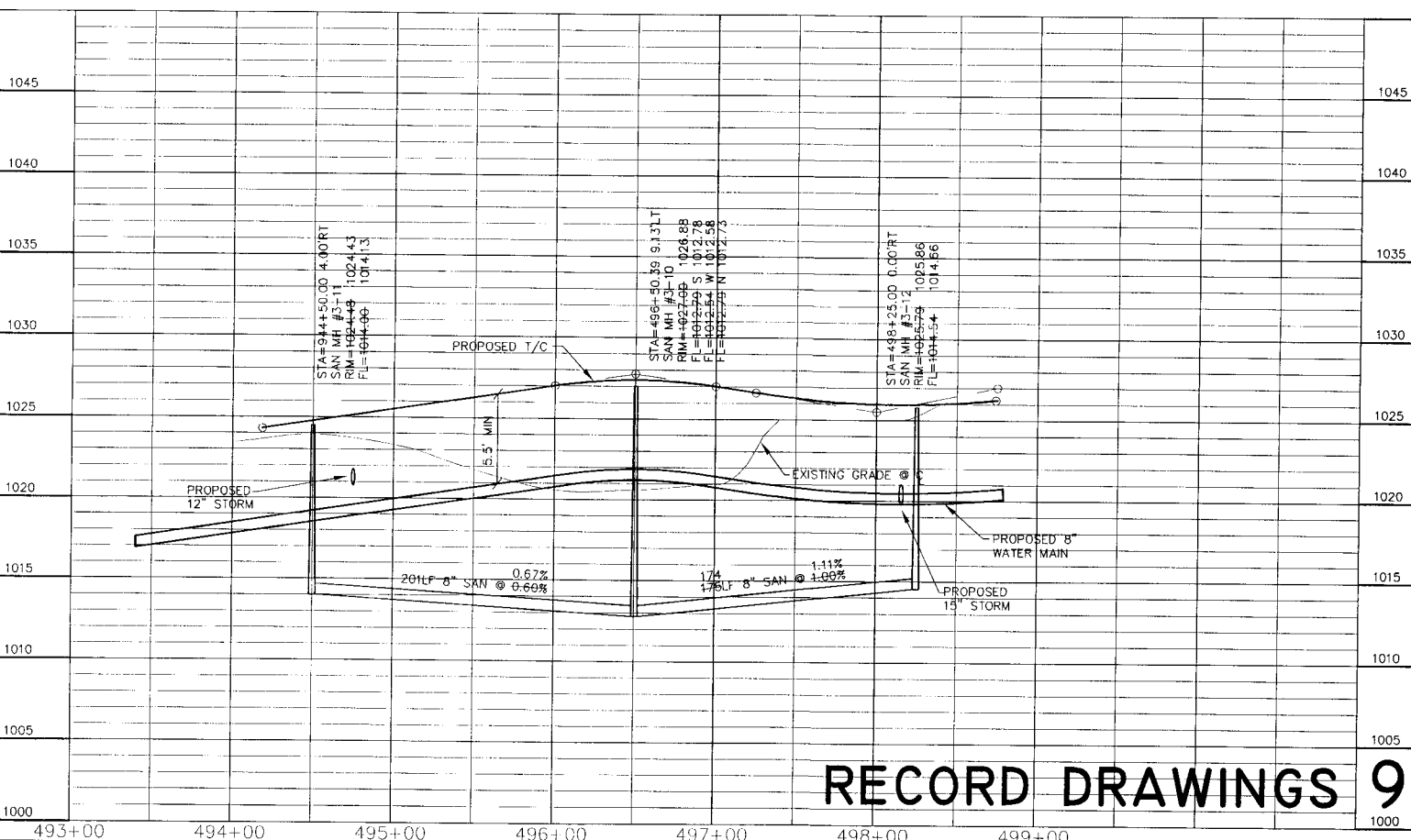
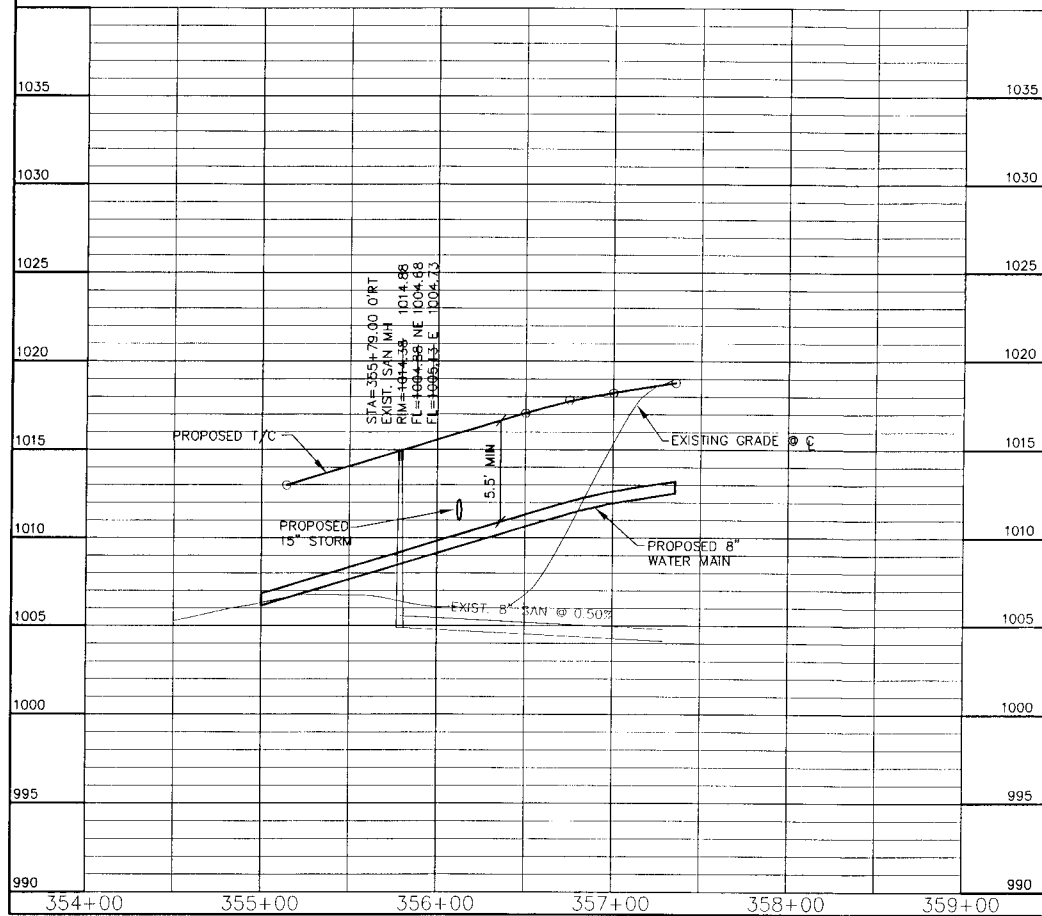
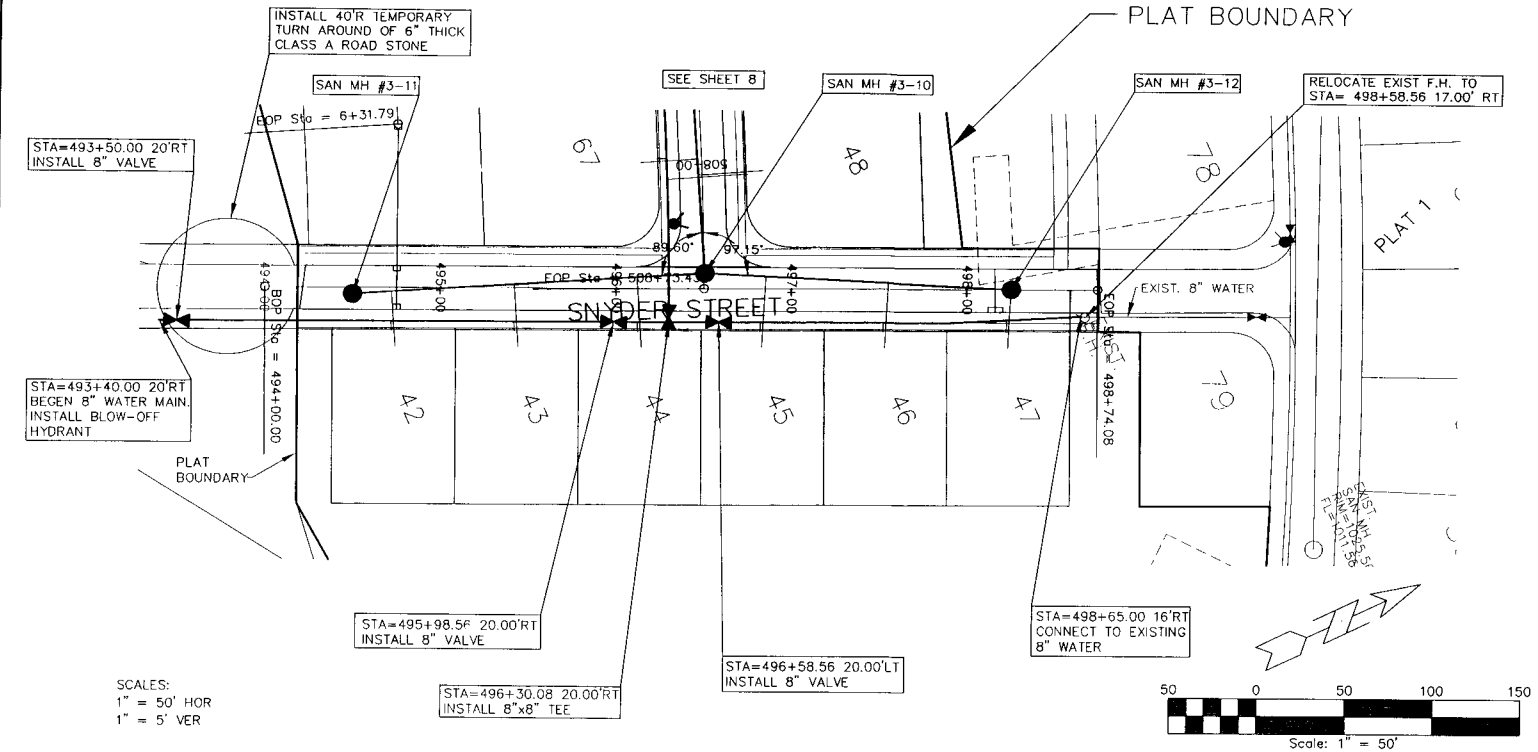
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RECORD DRAWINGS 9

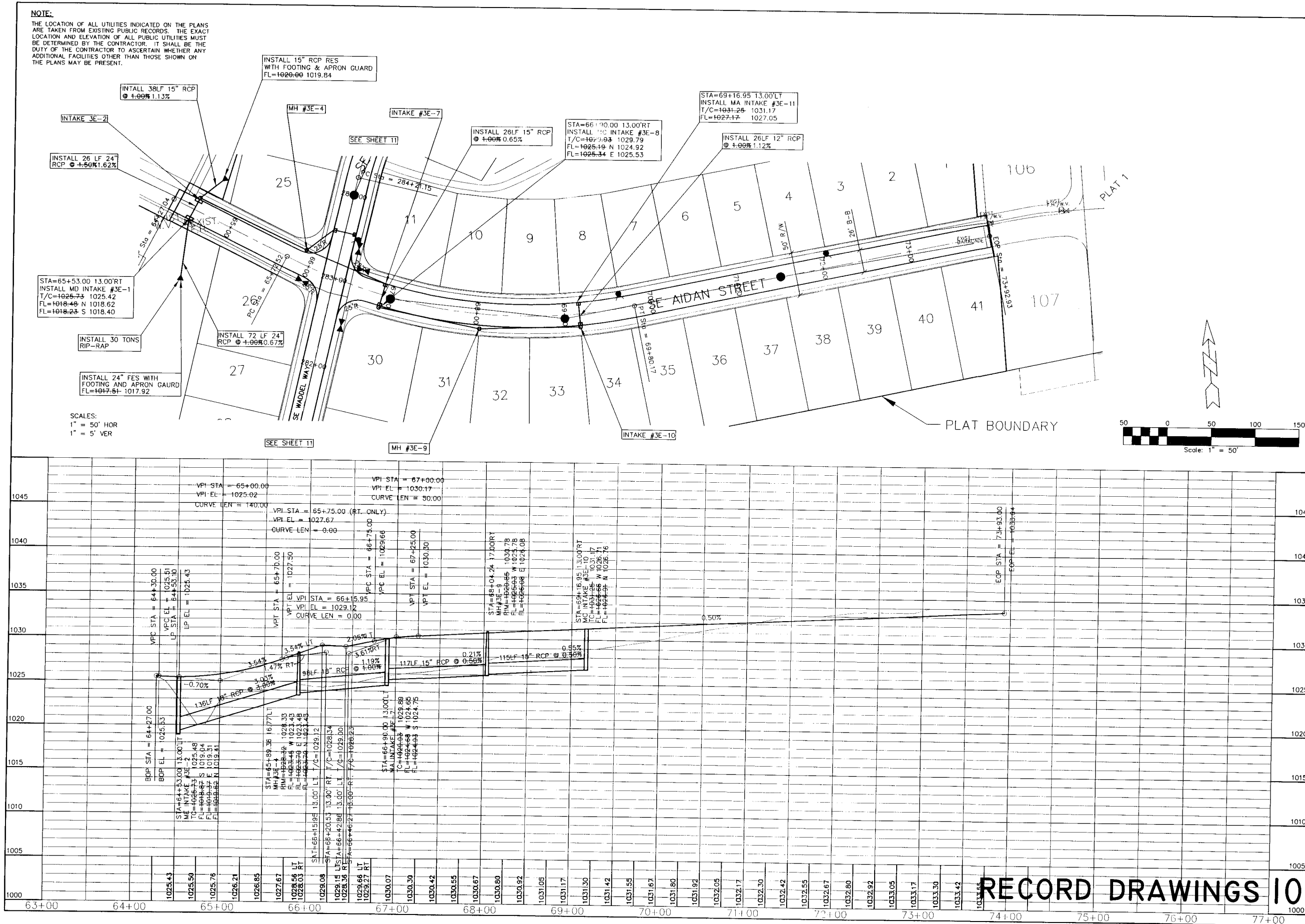
ERG
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Engineers and Surveyors
2413 GRAND AVENUE
DES MOINES, IOWA 50312
(515) 288-4623

HANNAH LANE & SNYDER STREET - SANITARY AND WATER

NO.	REVISION	DATE	BY	FOR

SCALE: 1" = 50'	DESIGNED BY: DJS	DRAWN BY: TEB
DWG: 7005PP9.DWG	CHECKED BY: DJS	DATE: 07/23/07
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ERG
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Engineers and Surveyors
DESIGN DIVISION
DES MOINES, IOWA 50312
(515) 288-4823

SE ADAIN STREET - PAVEMENT AND STORM

NO. _____
REVISION _____
DATE _____ BY _____
FOR _____

DESIGNED BY: CJS
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DATE: 07/23/07
FILE NO.: 7005

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INSTALL 39LF 15" RCP
@ 3.60% 3.51%

INSTALL 26LF 15" RCP
@ 2.00% 2.31%

INSTALL 40'R TEMPORARY TURN AROUND OF 6" THICK CLASS A ROAD STONE

SEE SHEET 10

SEE SHEET 10

INTAKE #3E-6

PLAT BOUNDARY

EXISTING CLUB HOUSE

SE WADDELL WAY

SE ADJIN

PC STA = 65+72.52

PT STA = 281+12.92

PC STA = 280+50.00

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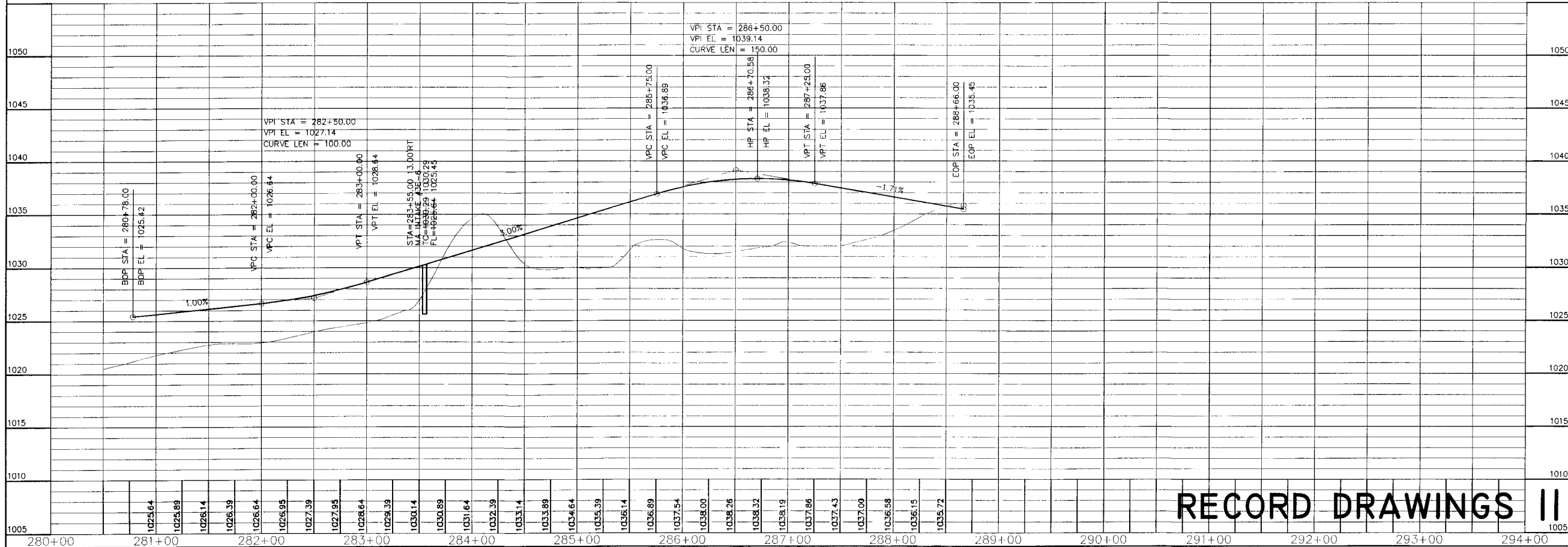
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PC STA = 600+56.15

PT STA = 600+56



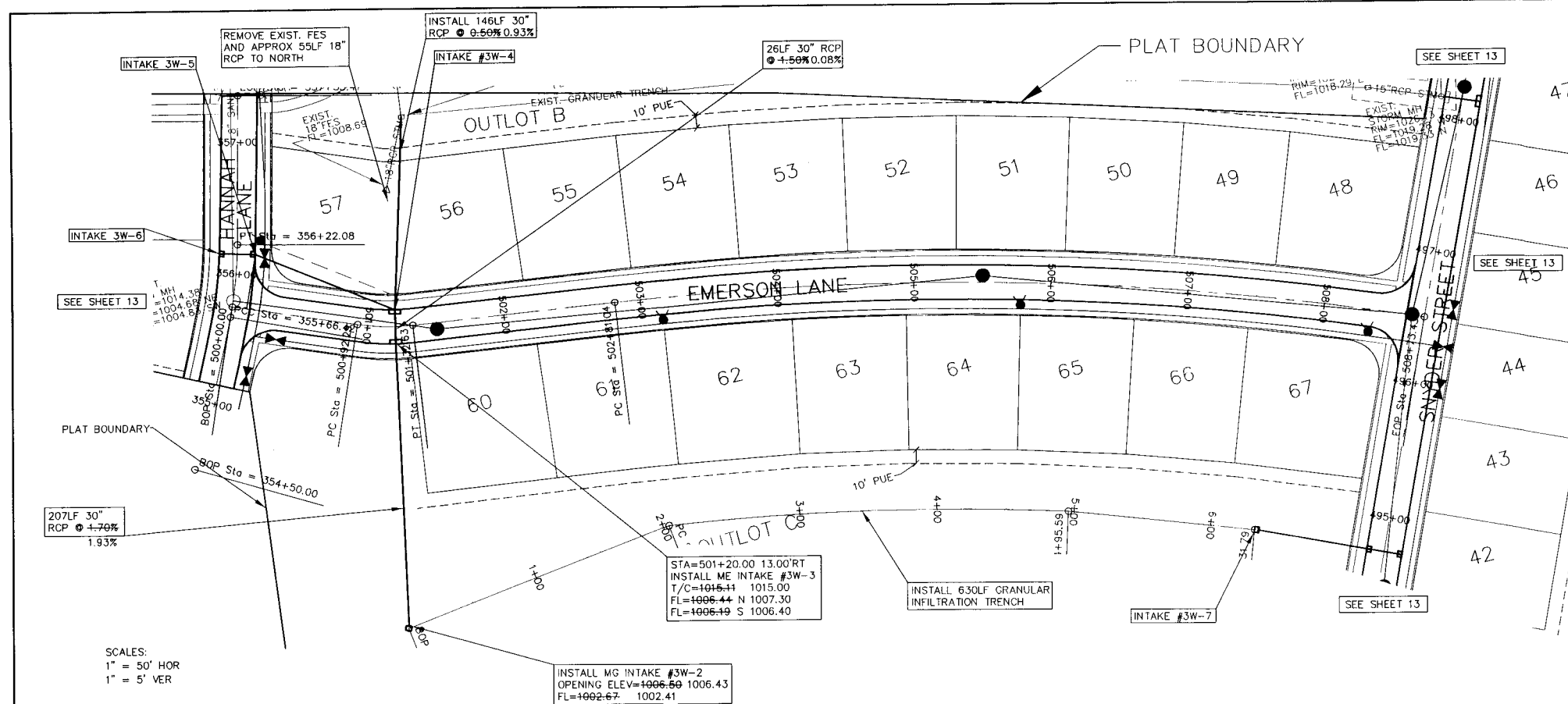
RECORD DRAWINGS II

SE WADDELL WAY - PAVEMENT AND STORM

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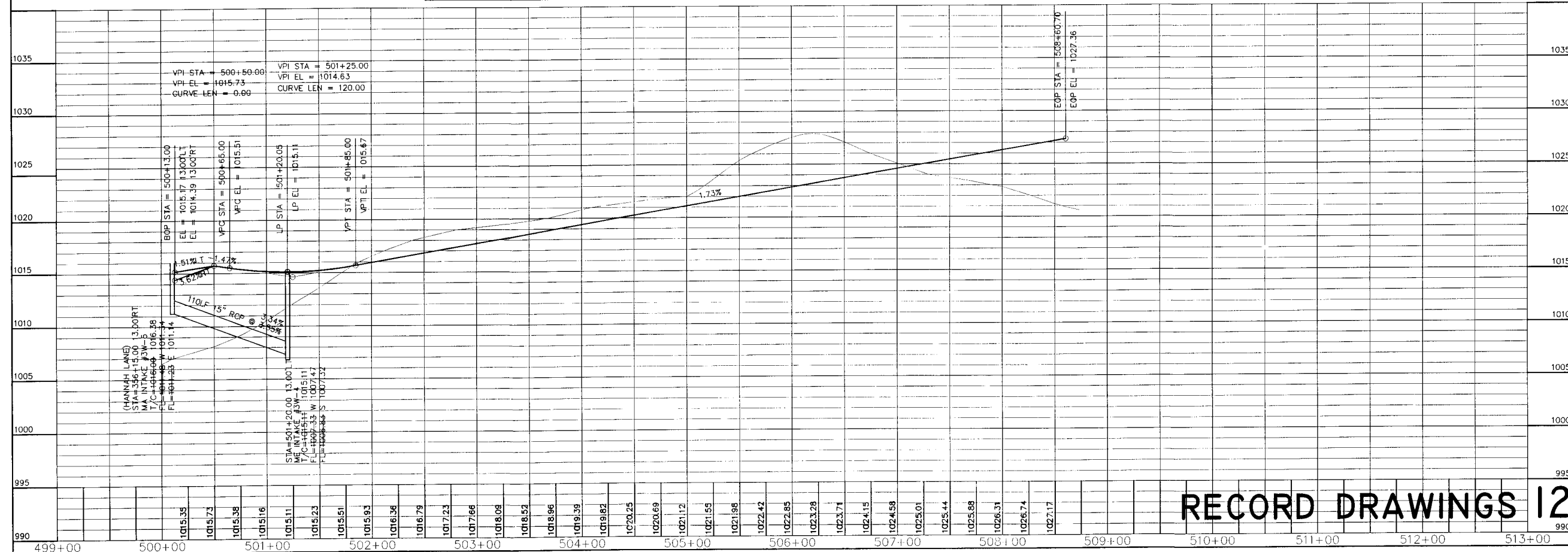
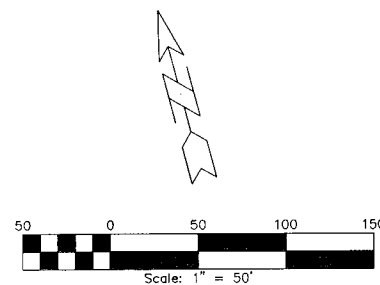
7005.00

NO.	REVISION	DATE	BY	FOR:	LOCATION:	SCALE:	1" = 50'	DESIGNED BY:	DJS	DRAWN BY:	TJB
						DWG:	7005RPT.DWG	CHECKED BY:	DJS	DATE:	07/23/07
								FIELD BOOK:	11	OF	7005



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FRG

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7005.00

EMERSON LANE - PAVEMENT AND STORM

 $\ddot{z}$

R:

REVISION

Q.

5

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ALIN

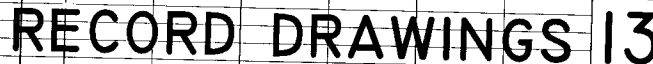
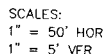
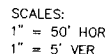
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need!

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THE LOCATION OF ALL UTILITIES INDICATED ON THE PLANS ARE TAKEN FROM EXISTING PUBLIC RECORDS. THE EXACT LOCATION AND ELEVATION OF ALL PUBLIC UTILITIES MUST BE DETERMINED BY THE CONTRACTOR. IT SHALL BE THE DUTY OF THE CONTRACTOR TO ASCERTAIN WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT.



ERG
Engineering Resource Group, Inc.
Engineers and Surveyors
2413 GRAND AVENUE
DES MOINES, IOWA 50312

REVISION		DATE	BY	FOR	LOCATION:	SCALE:	1" = 50'
HANNAH LANE & SNYDER STREET - PAVEMENT AND STORM							

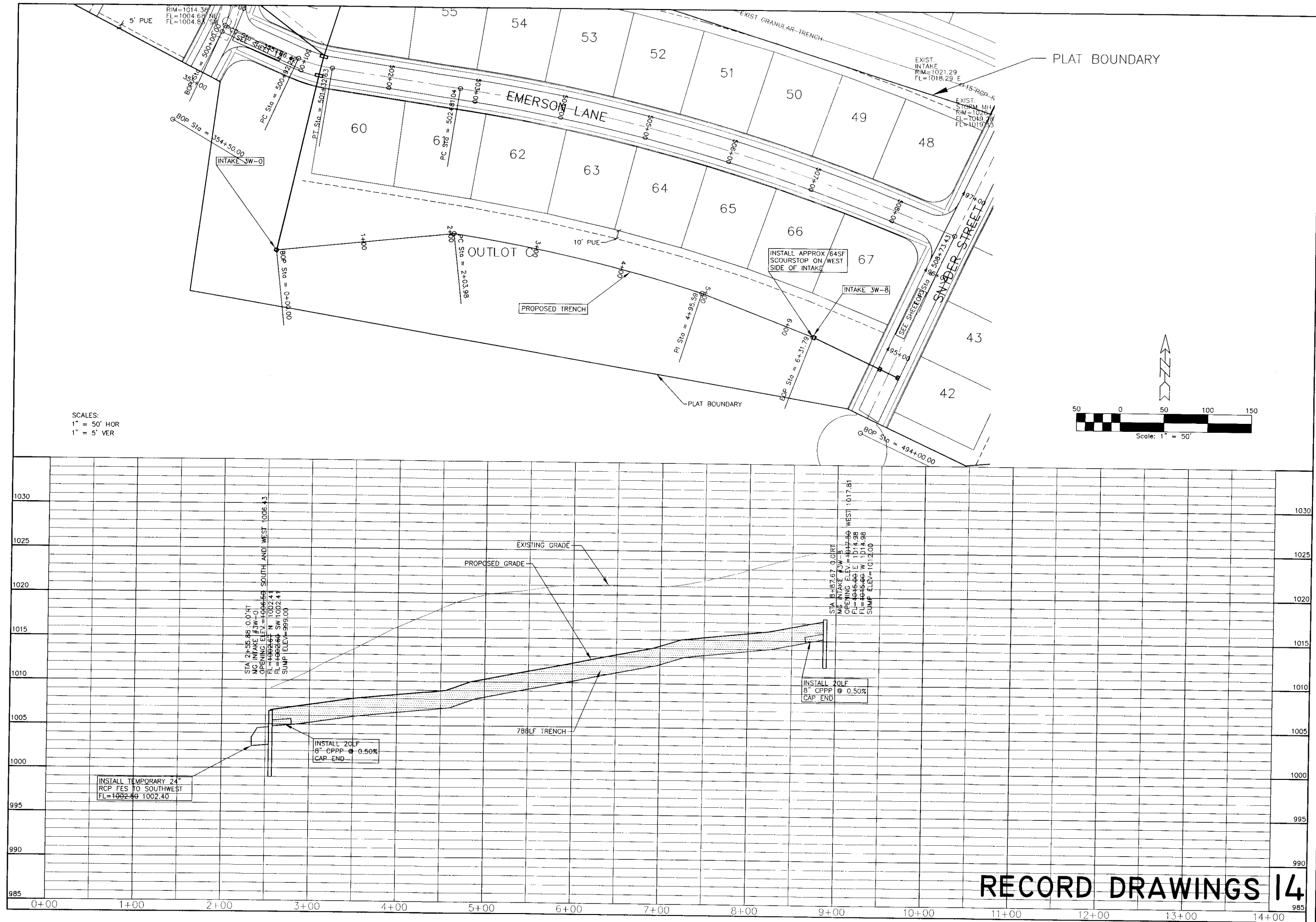
2413 GRAND AVENUE
DES MOINES, IOWA 50312

REVISION	DATE	BY	FOR:
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DWG:	7005PP1.3.DWG	CHECKED BY:	DJS	DATE:	07/23/07
FIELD BOOK:		SHEET	13	OF	7005

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EMERSON LANE - GREENBELT STORM SEWER

FRG
Engineering, Planning, Group, Inc.
Engineers and Surveyors
2413 GRAND AVENUE
DES MOINES, IOWA 50312
(515) 288-4823

NO.	REVISION	DATE	BY	FOR

LOCATION:

SCALE: 1" = 50'

DESIGNED BY: DJS

DWG: 7005SP14.DWG

CHECKED BY: DJS

FILE NO: 7005

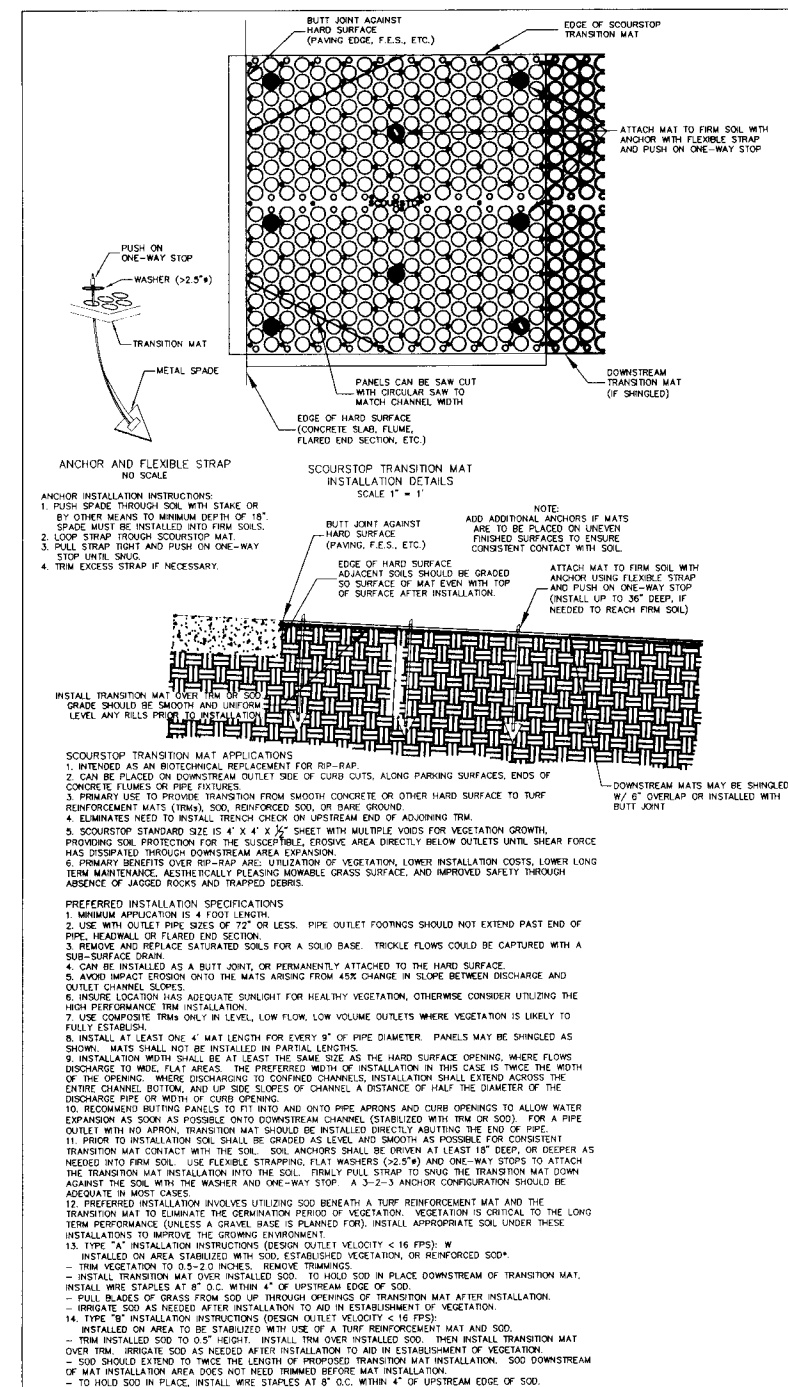
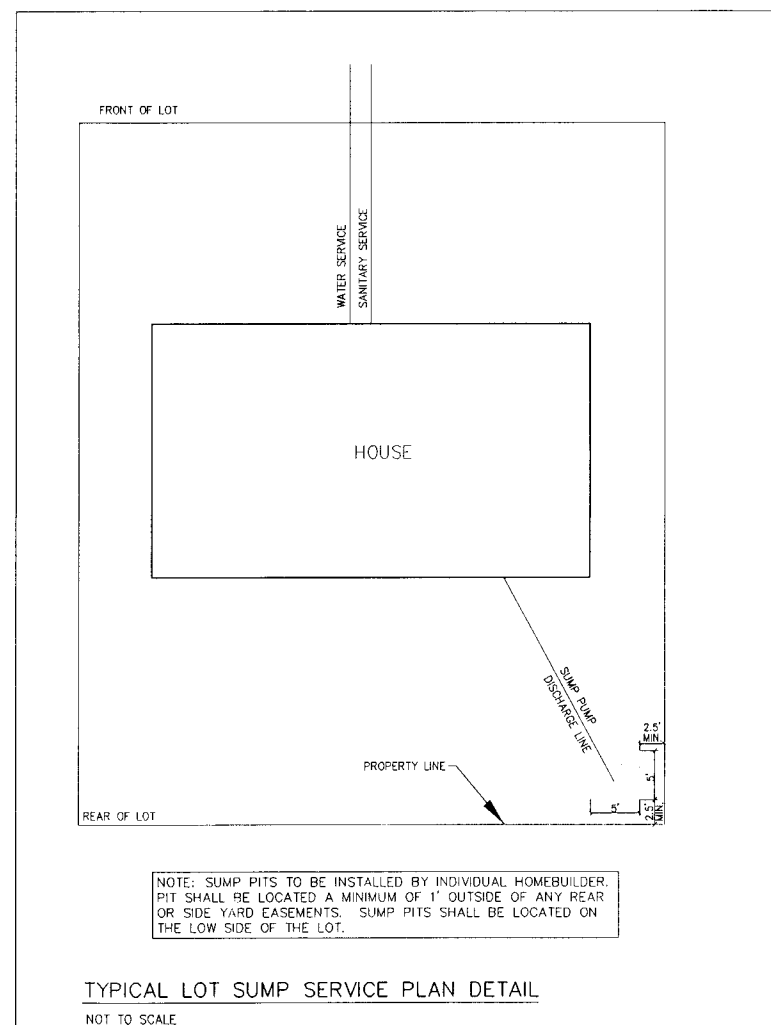
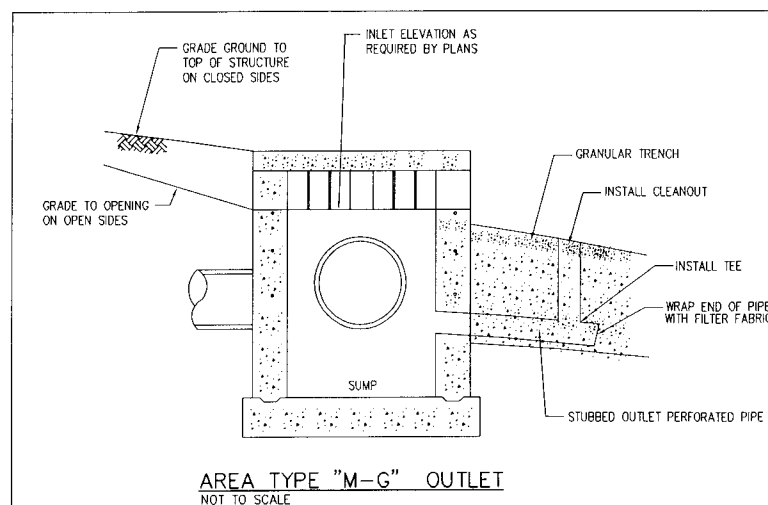
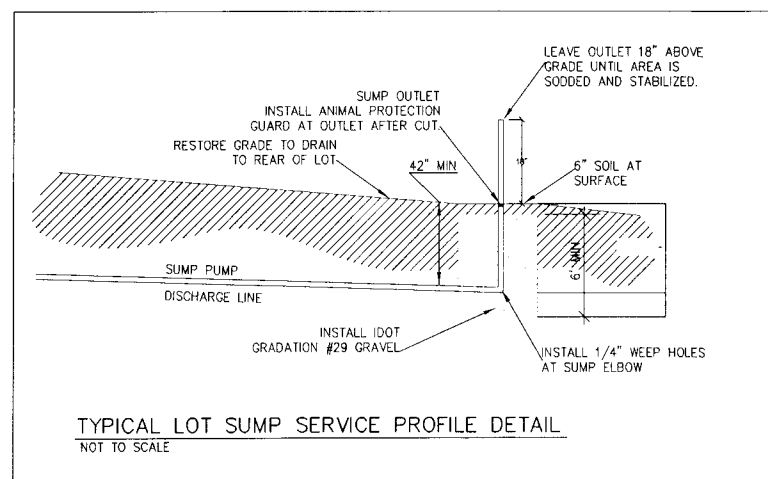
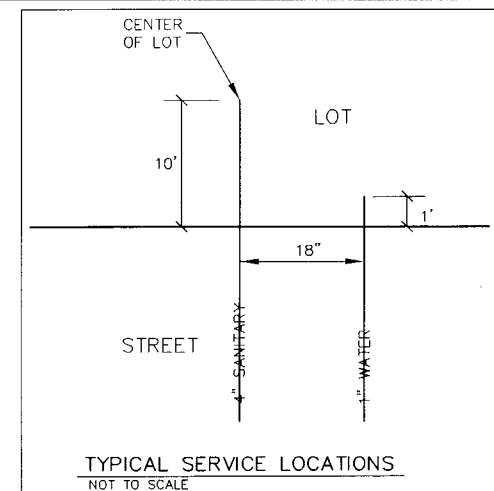
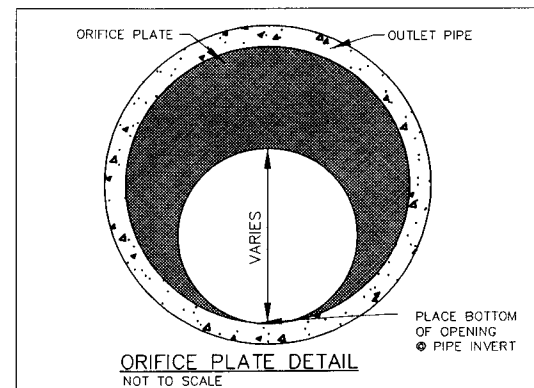
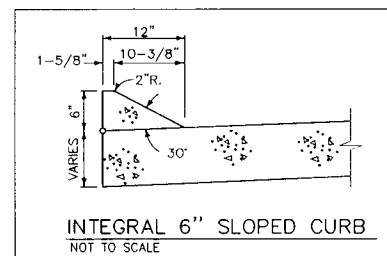
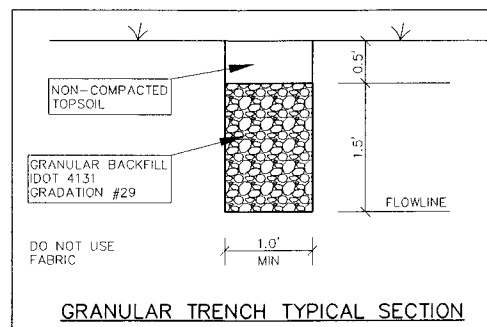
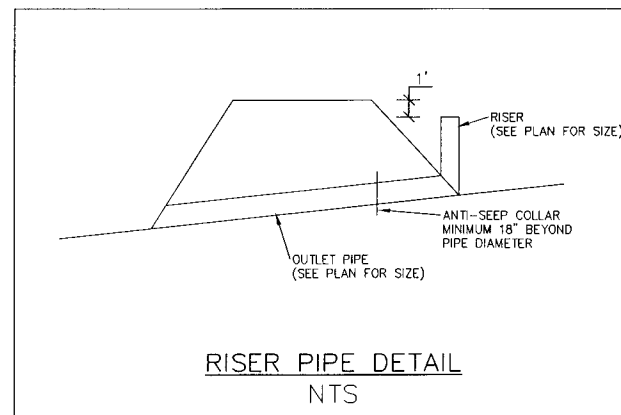
DATE: 07/23/07

SHEET: 14 OF 14

FIELD BOOK:

RECORD DRAWINGS 14

7005.00



GLYNN VILLAGE PLAT 3 - DETAILS

NO.	REVISION	DATE	BY	FOR:	LOCATION:	SCALE:	DESIGNED BY:	DRAWN BY:
						DWG: 70050TL.DWG	CHECKED BY: RPV	DATE: 07/23/07
						FIELD BOOK:	SHEET 16 OF	FILE NO.: 7005