

ASBUILT

PROPOSED IMPROVEMENTS FOR GRANT PARK SUBDIVISION

WAUKEE, IOWA

SHEET INDEX

GENERAL NOTES:

1. THE CONTRACTOR SHALL NOTIFY THE CITY OF WAUKEE, AND ONE CALL 48 HOURS PRIOR TO COMMENCING CONSTRUCTION, PRIOR TO CULVERT CONSTRUCTION AND BACKFILL UTILITY CONSTRUCTION, SUBGRADE PREP, MAIN LINE PAVING, AND BOX-OUT PAVING.
2. THE CITY INSPECTOR MUST BE NOTIFIED IN TIME TO WITNESS ALL WORK AND TESTING PERFORMED ON THIS PROJECT.
3. ALL CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE WAUKEE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS.
4. DESIGN STANDARDS FROM THE "URBAN DESIGN STANDARDS FOR PUBLIC IMPROVEMENTS" SHALL BE USED.
5. THE LOCATIONS OF THE EXISTING UTILITIES SHOWN HEREIN ARE APPROXIMATE. THEY HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND/OR RECORDS. THE CONTRACTOR IS RESPONSIBLE TO INSURE THAT ANY EXISTING UTILITIES (SHOWN OR NOT SHOWN) ARE NOT DAMAGED DURING CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATION AND PROTECT ALL UTILITIES AND STRUCTURES. DAMAGE TO UTILITIES AND STRUCTURES SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE CITY AND THE OWNER.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING THE AS-BUILT LOCATION OF ALL UTILITIES AND SERVICES.
7. THE CONTRACTOR SHALL RECONNECT ANY FIELD TILE THAT ARE INTERCEPTED DURING UTILITY CONSTRUCTION.
8. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC CONTROL SIGNAGE IN AREAS OF CONSTRUCTION PER THE MANUAL ON UNIFORM TRAFFIC DEVICES (MUTCD) AND APPLICABLE I.D.O.T. STANDARDS AND REQUIREMENTS.
9. THESE DRAWINGS ARE BEING MADE AVAILABLE BY A LEO PELDS ENGINEERING COMPANY (A.L.P.E.C.) FOR USE ON THIS PROJECT IN ACCORDANCE WITH A.L.P.E.C.'S AGREEMENT FOR PROFESSIONAL SERVICES. A.L.P.E.C. ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY USE OF THESE DRAWINGS (OR ANY PART THEREOF) EXCEPT IN ACCORDANCE WITH THE TERMS OF SAID AGREEMENT.
10. THE CONTRACTOR SHALL ATTEND A PRE-CONSTRUCTION CONFERENCE, IF REQUIRED, WITH THE CITY PRIOR TO COMMENCEMENT OF CONSTRUCTION.
11. THE CONTRACTOR SHALL REPAIR OR REPLACE ALL SODDING DISTURBED IN TEMPORARY CONSTRUCTION EASEMENTS.

MINIMUM BASEMENT FINISHED FLOOR ELEVATIONS (IN FEET):

LOT	ELEVATION
44	1029.23
45	1029.49
46	1029.75
47	1030.05
48	1030.34
49	1030.64
50	1030.73
51	1031.09
52	1031.35
53	1031.61
54	1031.75
55	1031.89
56	1031.25
57	1031.21
58	1030.70
59	1030.51
60	1030.25
61	1030.00
66	1030.00
67	1030.25
68	1030.51
69	1031.61
70	1031.35
71	1031.09
72	1029.75
73	1029.49
74	1029.23
75	1029.00
76	1028.88
77	1028.70
78	1028.52
79	1028.26
80	1028.00
81	1027.72

LOTS REQUIRING MINIMUM OPENING ELEVATION = 1035.00:

LOTS 54-61, 64-80, AND 89-96
REQUIRE A MINIMUM OPENING
ELEVATION (M.O.E.) = 1034.00 ft.

CONSTRUCTION NOTES:

PAVEMENT NOTES:

1. PAVING SHALL BE 6-INCH THICK REINFORCED P.C.C. OR 7-INCH THICK NON-REINFORCED P.C.C.
2. SUBGRADE PREPARATION IS INCIDENTAL TO PAVING.
3. END OF PAVEMENT MARKERS SHALL CONFORM WITH MUTCD 3C-4.
4. ALL REINFORCING STEEL SHALL BE EPOXY COATED.
5. EXISTING PAVING IN 3RD STREET SOUTH SHALL BE SAW-CUT AS NECESSARY TO PROVIDE A CLEAN EDGE FOR CONNECTION.
6. TYPICAL PAVING DETAILS FOR THE 29' WIDE STREET IS SHOWN IN THE "WAUKEE DESIGN STANDARDS MANUAL."

SANITARY SEWER NOTES:

1. ALL 8" SANITARY SEWER SHALL BE PVC TRUSS PIPE WITH CLASS "B" BEDDING UNLESS OTHERWISE NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS.
2. THE CONTRACTOR SHALL INSTALL SEWER TAPE AT THE END OF EACH SANITARY SEWER SERVICE.
3. ALL INVERTS LOCATED AT AN ELEVATION ABOVE THE CENTERLINE OF THE EXISTING THROUGH PIPE AND LESS THAN 20' ABOVE THE MANHOLE FLOOR SHALL HAVE A POURED-IN-PLACE SLOPED INVERT.
4. ALL MANHOLES WITHIN PAVEMENT SHALL HAVE TYPE "B" ADJUSTABLE CASTINGS AND INTERNAL CHIMNEY SEALS. ALL MANHOLES NOT WITHIN PAVEMENT SHALL HAVE TYPE "A" NON-ADJUSTABLE CASTINGS AND EXTERNAL CHIMNEY SEALS.
5. ALL 4" SANITARY SEWER SERVICES SHALL BE SDR 235 IN ACCORDANCE WITH WAUKEE STANDARD SPECIFICATIONS. ALL SERVICES SHALL BE EXTENDED 10' INSIDE LOT LINES UNLESS OTHERWISE NOTED ON PLANS. ALL SANITARY SEWER SERVICES SHALL BE 4" PVC.
6. MANHOLE STEPS ARE REQUIRED IN ALL SANITARY SEWER MANHOLES.
7. MANHOLES COVERS SHALL HAVE RAISED DIAMOND ROUGHNESS PATTERN.
8. PROVIDE STUB-OUTS WHEREVER FUTURE SEWERS ARE INDICATED.
9. GUARD ALL CLEANOUT LOCATIONS WITH A STEEL FENCE POST.
10. GUARD ALL SANITARY SEWER SERVICE LATERAL LOCATIONS BY EXTENDING A 2X4 FROM THE BURIED END TO AT LEAST 2 FEET ABOVE GRADE. PAINT THE TOP 1" +/- OF POST GREEN.
11. SEE WAUKEE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS FOR TYPICAL SANITARY SEWER DETAILS.
12. ALL CONNECTIONS TO EXISTING MANHOLES SHALL BE CORE DRILLED. A NEW WELL DEFINED INVERT SHALL BE POURED FOR THE NEW PIPE(S). THE EXISTING MANHOLE SHALL BE RETESTED.
13. MANHOLE RIM ELEVATIONS SHALL BE ADJUSTED AS NEEDED TO MATCH FINAL PAVING AND GRADING ELEVATIONS.
14. THE CONTRACTOR SHALL TELETYPE EVERY SANITARY SEWER LINE AND PROVIDE A COPY OF THE VIDEO TAPE AND FILE IN WINDCAM FORMAT TO THE PUBLIC WORKS DIRECTOR.

STORM SEWER NOTES:

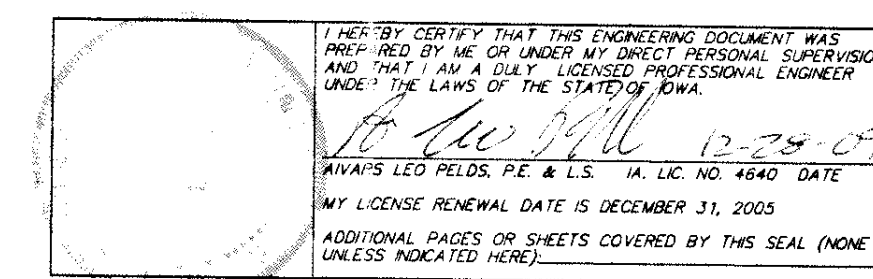
1. ALL INTAKES SHALL HAVE VANE GRATES.
2. ALL INTAKES SHALL BE POURED-IN-PLACE OR PRECAST CONCRETE STRUCTURES.
3. SEE WAUKEE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS FOR STORM SEWER INTAKE AND RELATED DETAILS.

WATER MAIN NOTES:

1. PIPE MATERIALS SHALL BE AWWA C900 CLASS 150 PVC.
2. INSTALL NO. 10 THIN STANDARD COPPER TRACER WIRE UNDER PIPE. BRING TRACER WIRE TO SURFACE AT HYDRANT VALVES ONLY WITH END OF WIRE TUCKED INSIDE VALVE BOX.
3. CONNECT NEW TRACER TO EXISTING USING APPROVED SPLICE KIT AND PROVIDE A GROUND ROD AT END OF TRACER WIRE FOR LOCATION AND EXTENSION IN FUTURE. THE CITY WILL TEST THE TRACER WIRE PRIOR TO ACCEPTANCE OF PLAT AND REPAIRS, IF ANY, SHALL BE AT THE CONTRACTOR'S EXPENSE.
4. HYDRANTS, MANHOLE COVERS AND VALVE BOXES SHALL BE SET TO CONFORM TO FINISHED PAVEMENT ELEVATIONS.
5. HYDRANTS AND VALVES SHALL CONFORM TO THE WAUKEE STANDARD SPECIFICATIONS.
6. NEW WATER MAINS WILL BE PLACED 3' FROM THE BACK OF THE CURB AND FIRE HYDRANTS WILL BE PLACED 6' FROM THE BACK OF THE CURB, WHERE POSSIBLE.
7. A MINIMUM OF 5.5 FEET OF COVER SHALL BE MAINTAINED OVER THE WATER MAIN, TYPICAL EXCEPT AT CRITICAL CROSSINGS.
8. ALL HYDRANTS SHALL BE PAINTED IN ACCORDANCE WITH THE CITY OF WAUKEE STANDARDS.
9. ALL VALVES SHALL HAVE A VALVE BOX ADAPTER INSTALLED TO MAINTAIN ALIGNMENT.
10. THE CONTRACTOR SHALL REMOVE CHAINS ON ALL HYDRANTS.
11. WATER SHALL NOT BE TURNED ON WITHOUT PRIOR APPROVAL OF THE CITY OF WAUKEE.
12. WATER CAN NOT BE USED BY THE CONTRACTOR UNLESS IT IS PART OF THE PURIFICATION PROCESS OF THE NEW MAIN. WATER NEEDED FOR ANY REASON AFTER BACTERIA TESTING HAS BEEN COMPLETED AND PASSED WILL NEED PRIOR APPROVAL FROM THE CITY OF WAUKEE. NO WATER VALVE SHALL BE OPERATED WITHOUT PRIOR APPROVAL AND PRESENCE OF A CITY OFFICIAL OR THEIR REPRESENTATIVE.
13. GUARD ALL WATER SERVICE LOCATIONS BY EXTENDING A 2X4 FROM THE BURIED END TO AT LEAST 2 FEET ABOVE GRADE. PAINT THE TOP 1" +/- OF POST BLUE.
14. SEE URBAN STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS FOR TYPICAL WATER MAIN, FIRE HYDRANT, AND APPURTENANCE DETAILS.
15. HYDRANTS AND VALVES SHALL BE ADJUSTED AS NEEDED TO MATCH FINAL PAVING AND GRADING ELEVATIONS.
16. ALL WATER SERVICES SHALL BE 1 INCH COPPER PIPE.
17. RISER RODS WILL BE REQUIRED FOR ALL CURB STOPS.

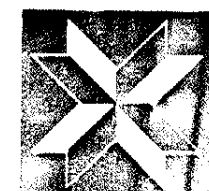
ESTIMATED QUANTITIES

PAVING	8" NON REINFORCED P.C.C.	4,278 S.Y.
	7" NON REINFORCED P.C.C.	18,990 S.Y.
STORM SEWER	60" R.C.P. ARCH FES w/FOOTING & APRON GRD	1 EA.
	48" R.C.P.	556 L.F.
	48" R.C.P. FES w/ FOOTING & APRON GUARD	1 EA.
	42" R.C.P. Arch	307 L.F.
	30" R.C.P.	460 L.F.
	24" R.C.P.	260 L.F.
	18" R.C.P.	455 L.F.
	15" R.C.P.	150 L.F.
	15" C.M.P. COATED	1,275 L.F.
	8" A2000 Subrain	4,810 L.F.
	Shallow Manhole SMH#	21 EA.
	Subrain Services	123 EA.
	60" R.C.P. ARCH FES w/Footing and Apron	1 EA.
	48" F.E.S. w/ Footing and Apron Guard	1 EA.
	30" R.C.P. F.E.S. w/ Footing	7 EA.
	18" C.M.P. F.E.S.	2 EA.
	15" R.C.P. F.E.S. w/ Footing	1 EA.
	TYPE A INTAKE	16 EA.
	TYPE B INTAKE	1 EA.
	TYPE D INTAKE	1 EA.
	STORM MANHOLE	7 EA.
	6' x 8' STORM MANHOLE	1 EA.
	6' x 10' DISCHARGE MANHOLE	1 EA.
WATER	12" WATER MAIN(C-900 CLASS 150 PVC)	1,328 L.F.
	8" WATER MAIN(C-900 CLASS 150 PVC)	6,073 L.F.
	12"x8" Tee	1 EA.
	12"x12" Tee	1 EA.
	12" Valves	4 EA.
	8" Valves	17 EA.
	1" WATER SERVICE	123 EA.
	HYDRANT ASSEMBLIES	15 EA.
	FLUSHING HYDRANT AND VALVE	1 EA.
SANITARY	8" PVC TRUSS	5,320 L.F.
	4" SERVICE LATERALS	123 EA.
	SANITARY MANHOLE	21 EA.
	CLEANOUTS	1 EA.



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EXISTING UTILITIES NOTE:
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CALL (1-800-292-6889).

NOTE:

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LEGEND:

STANDARD SYMBOLS:

- IRON ROD OR PIPE FOUND
- SET IRON ROD WITH #4640 CAP
- △ SECTION CORNER MONUMENT FOUND
- △ SECTION CORNER MONUMENT SET
- ⊙ POWER POLE
- ⊙ LIGHT POLE
- ⊙ FINISHED FLOOR

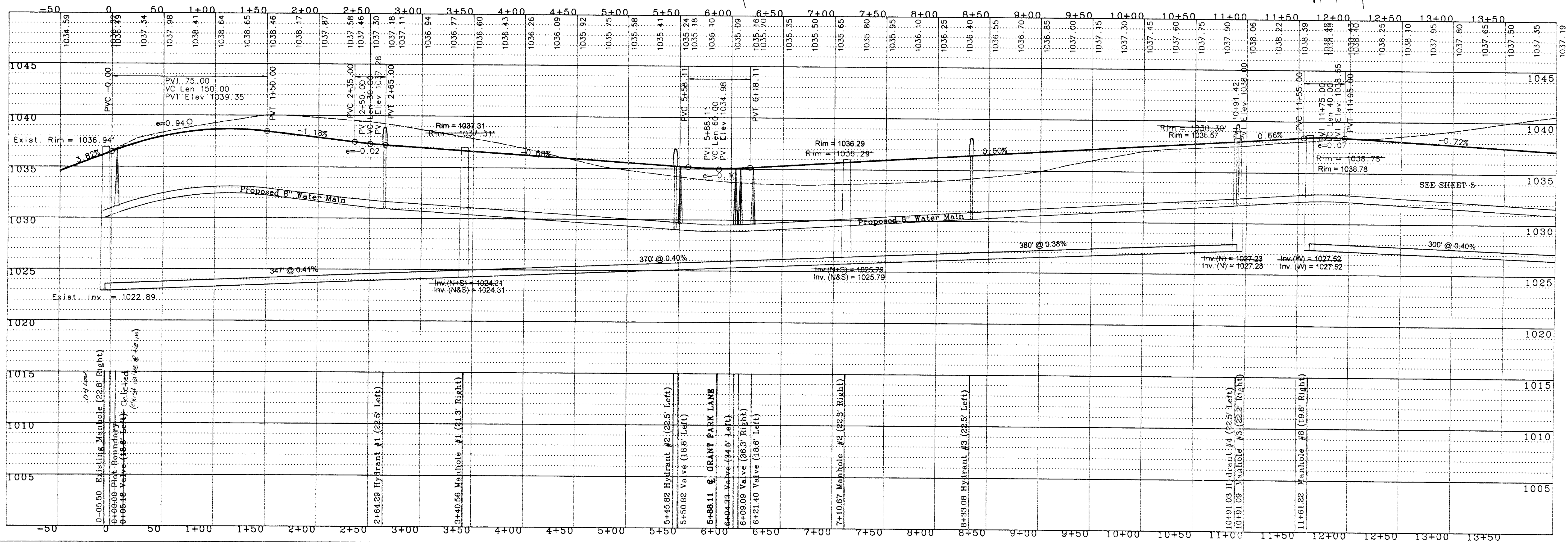
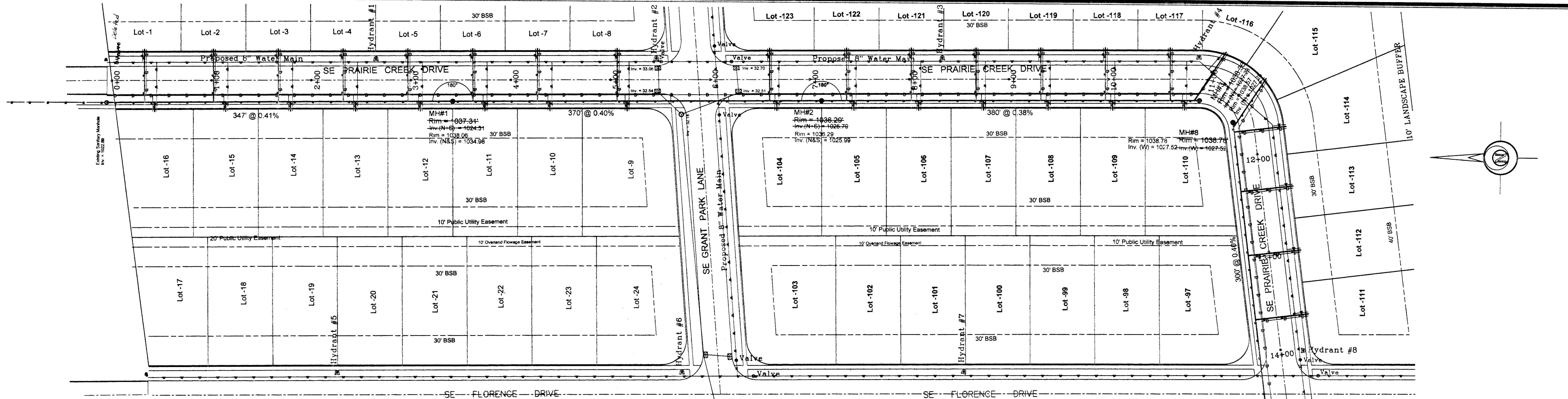
- +/- MORE OR LESS
- FENCE LINE
- ⊙ FIRE HYDRANT
- MANHOLE
- VALVE
- 125x3 SPOT ELEVATION (⊙ x)
- N.T.S. NOT TO SCALE
- A.C.C./P.C.C. ASPHALTIC/PORTLAND CEMENT CONCRETE

- xxx— UTILITY LINE OR PIPE
- W WATER
- G GAS
- S SANITARY SEWER
- ST STORM SEWER
- UNDERGROUND E.E.C. / TEL.
- OVERHEAD ELEC. / TEL.
- CATV CABLE TELEVISION

GENERAL INFORMATION, ESTIMATED QUANTITIES AND INDEX SHEET - GRANT PARK, WAUKEE, IOWA

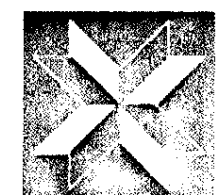
ASBUILT

REVISION: 4-19-2005 - Revised for Sanitary Only	REVISION: 4-19-2005 - Revised per comments
5-24-2005 - City of Waukees	5-24-2005 - City of Waukees
DRAWN BY: V. Pelds	DRAWING NO: 10652-0



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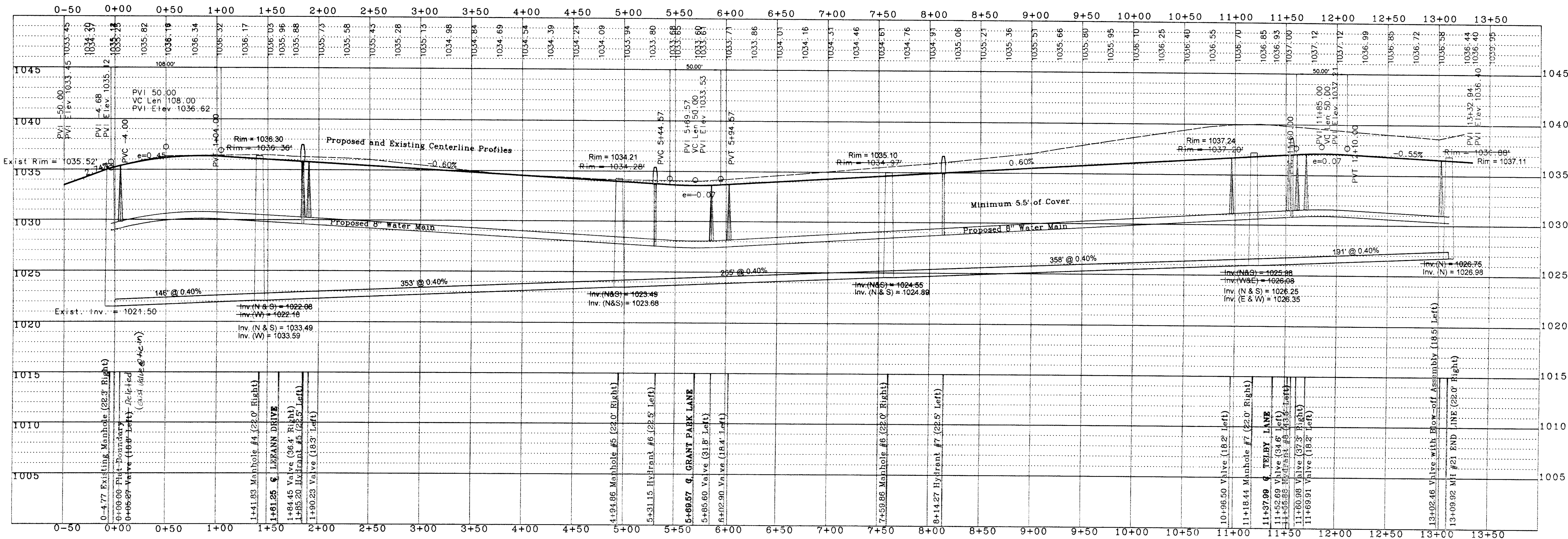
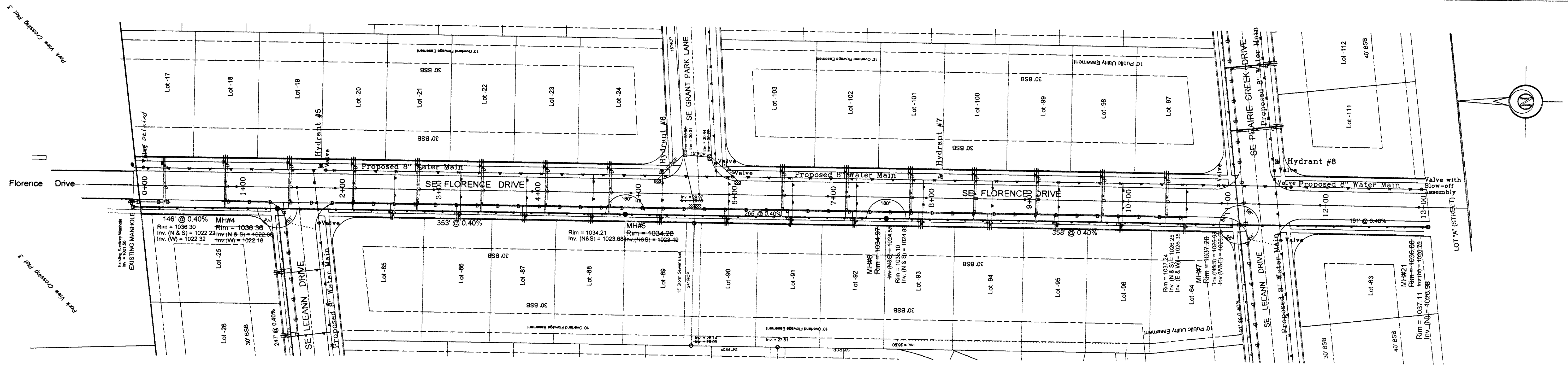
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- OHE/T OVERHEAD ELEC. / TEL.
- CATV CABLE TELEVISION

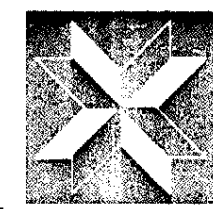
PRAIRIE CREEK DRIVE SANITARY SEWER AND WATER PLAN AN PROFILE - GRANT PARK AS-BUILT

REVISIONS	12-27-05 - Elevation changes - ESH
DATE	11-07-2005
DRAWN BY	V. Pelds
CHECKED BY	
PROJECT NO.	10693-2
FILE PATH	S:\Wally\Kurt Brewer\Grant Park\As Built\Asbuilt - 11-07-2005\Prairie Sanitary 120 P&P-PG2



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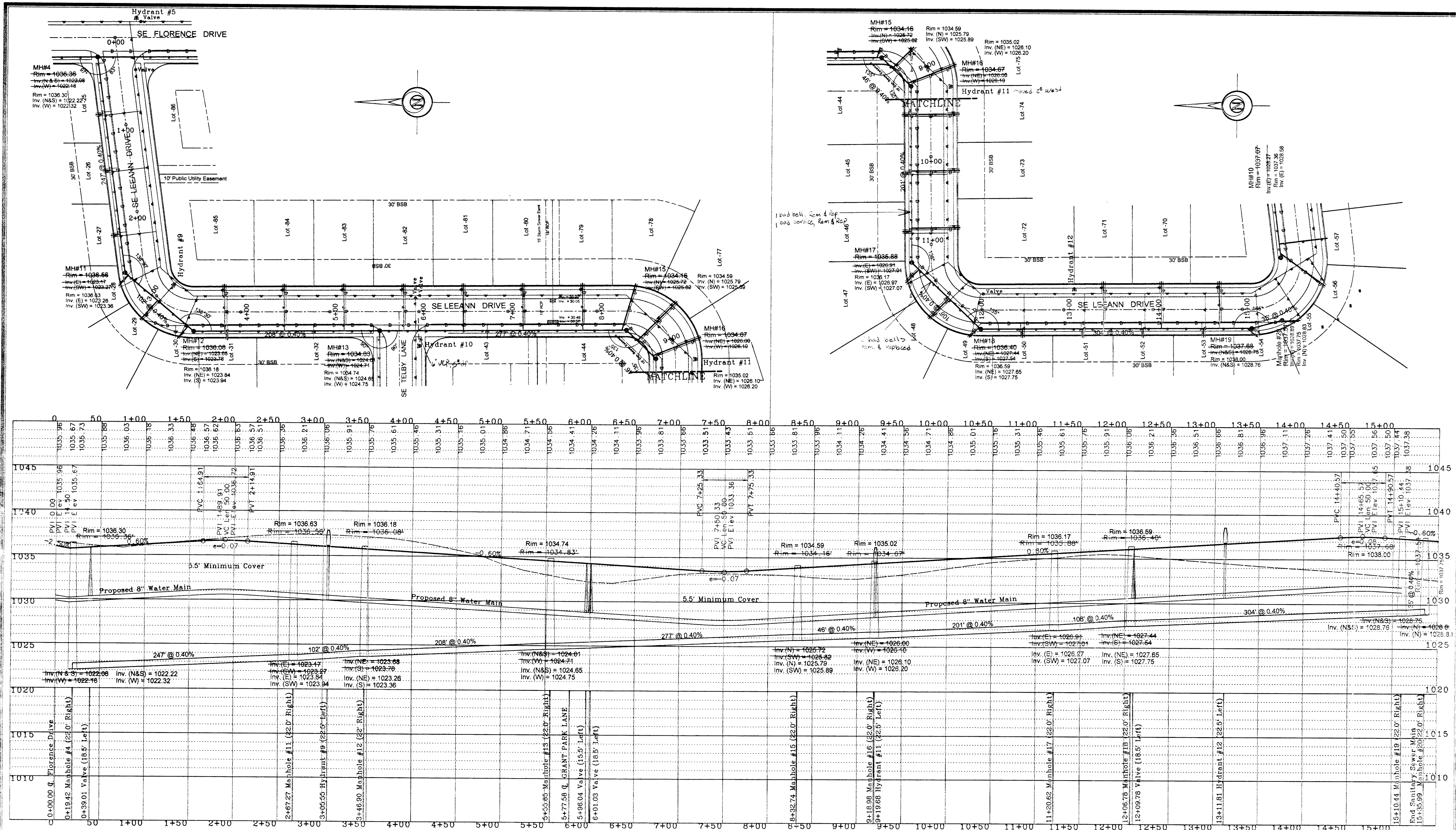
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- OHE/T OVERHEAD ELEC. / TEL.
- CATV CABLE TELEVISION

FLORENCE DRIVE SANITARY SEWER AND WATER PLAN AND PROFILE - GRANT PARK

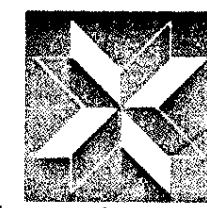
AS BUILT

REVISION 4-19-2005 - Revised as per City of Waukee - ANW
5-25-2005 - City of Waukee
6-27-2005 - Revision changes - WBH
SCALE: 1" = 5' Vert. 6-29-2004
1" = 50' Horiz.
DRAWN BY: V. Pelds
CHECKED BY: 10652-3
FILE PATH: S:\Wally\Kurt Brewer\Grant Park\Construction Drawings\Florence Sanitary h20 RW-4-18-2005



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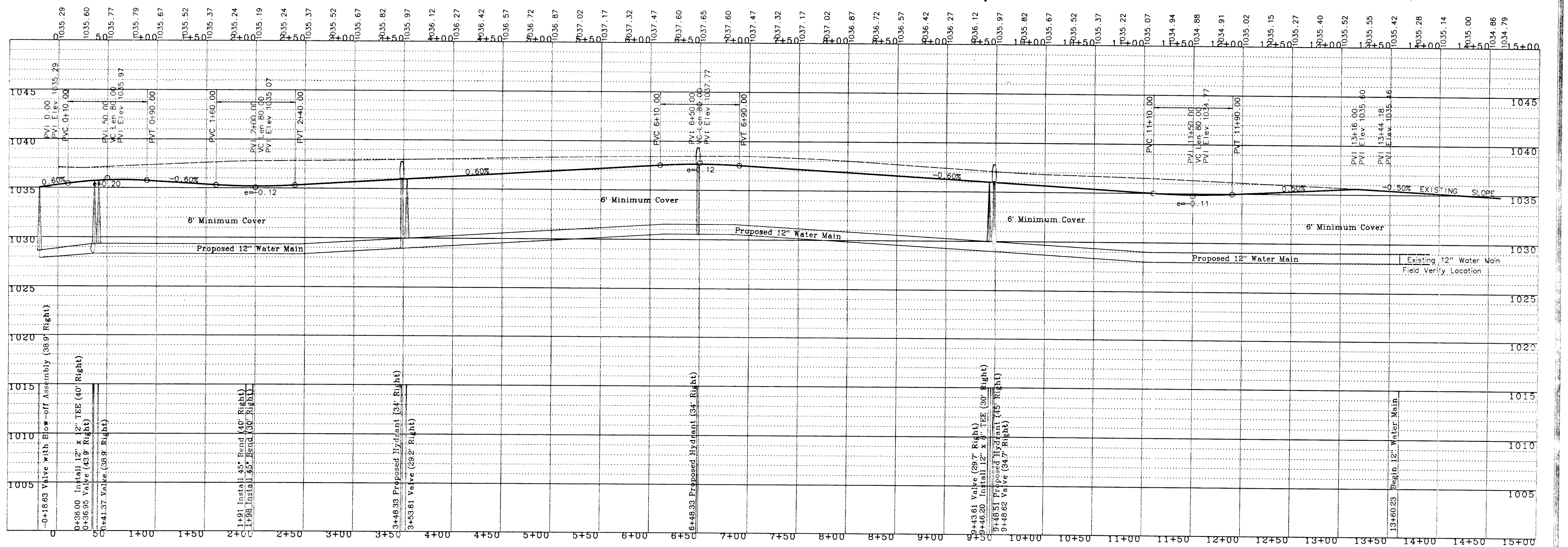
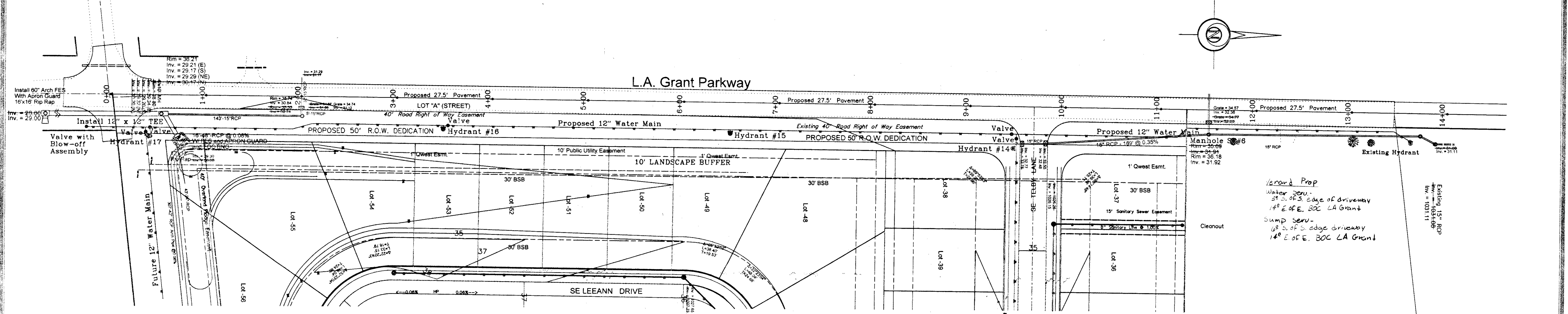
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- GAS
- SANITARY SEWER
- STORM SEWER
- UNDERGROUND ELEC. / TEL.
- OVERHEAD ELEC. / TEL.
- CABLE TELEVISION

LEEANN DRIVE SANITARY SEWER AND WATER PLAN AND PROFILE - GRANT PARK

AS BUILT

DATE: 4-19-2005 - Revised as per City of Waukee. - AKW
5-24-2005 - City of Waukee
10-27-2005 - Elevation changes - CHN
BY: V. Pelds
10652-4
S:\Wally\Kurt Brewer\Grant Park\Construction Drawings\Leeann Sanitary h20 RFP 4-18-2005



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**LA GRANT PARKWAY WATER MAIN
 PLAN AND PROFILE - GRANT PARK
 AS BUILT**

REVISION 4-18-2005: Revised as per City of Waukee. - ANM
 5-24-2005: per Waukee
 12-27-2005: Elevation Changes - EKH

DATE: 6-29-2004
 DRAWN BY: V. Pelds
 CHECKED BY: 10652-7
 5/Wally/Kurt/Brewer/Grant Park/Construction Drawings/5-25-2005/LA Grant North San h20 P&P-P&T

BUREAU
 LVX: (212) 588-5528
 DES MOINES' IOWA 20308
 P.O. BOX 4858

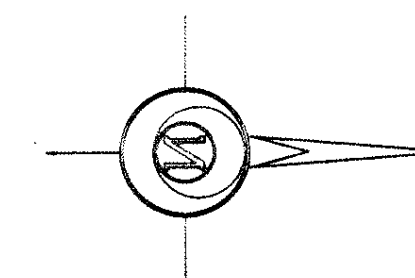
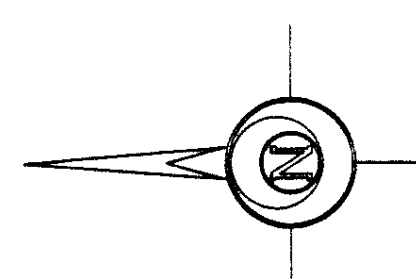
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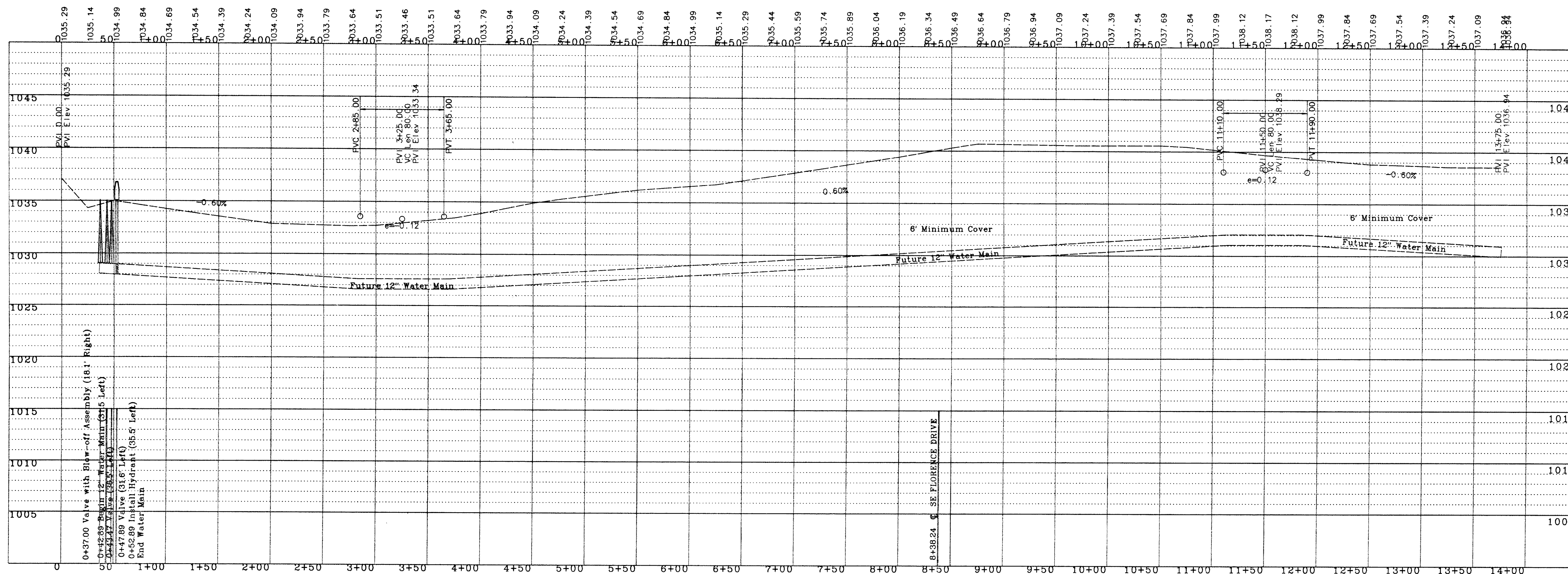
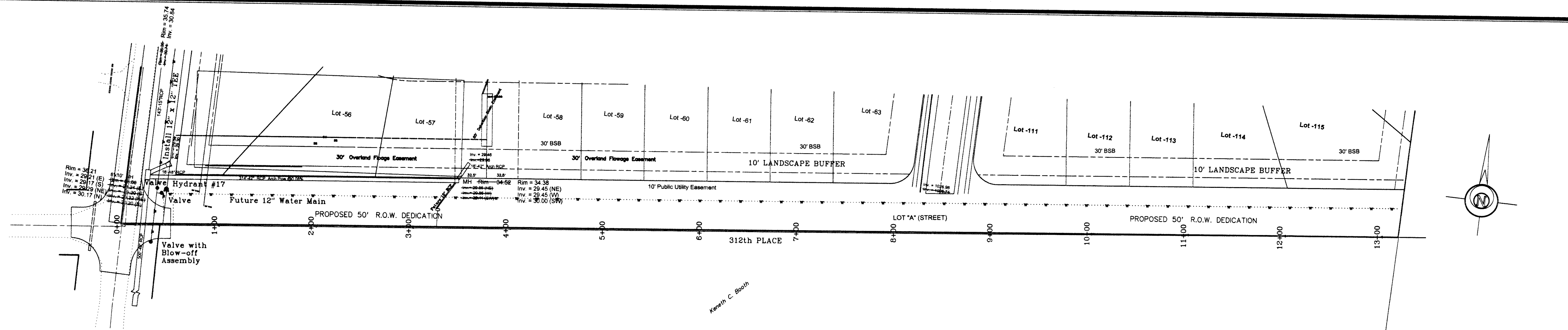
[illegible]

E E FINISHED EBOOK
 Ø → RIGHT BOGE
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 ▽ SECTION SOBIEB MOIOWMENT SET
 ▼ SECTION SOBIEB MOIOWMENT EOLID
 ○ SET IBOI BOD MIM #tet+O SAB
 ● IBOI BOD OB BYE EOLID
 STANDARD SYMBOGS:

A'C'C'\B'C'C'	A2BHAGTIC\BOB
W'12'	MOI TO SCAGE
123X 3	2601 EGEALVIO
○	LAUAE
○	WAINHOGE
⊙	EIBE HADVAU1
×-×-×	EICEE FIE
+ \ -	MOKE OM TESS

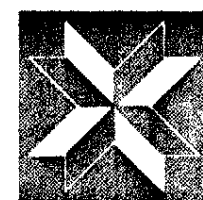
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LE CAVL          CABFE TELEVISION
ONE\            ONEBHEAD EFEC \ 1EF
PCE\            UNDERBORND EFEC \ 1EF
  21            210RM 2EMEB
  2             2AMTABA 2EMEB
  C             CAS
  M             MAIEB
  ---xxx---     DITILA FINE OB BYBE
```

[illegible]



A. LEO PELDS ENGINEERING COMPANY

1372 E. 12TH STREET
DES MOINES, IOWA 50318
PHONE: (515) 265-8196



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DES MOINES, IOWA 50306
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- SET IRON ROD WITH #4640 CAP
- ▲ SECTION CORNER MONUMENT FOUND
- △ SECTION CORNER MONUMENT SET
- ⊕ POWER POLE
- ⊙ LIGHT POLE
- F.F. FINISHED FLOOR

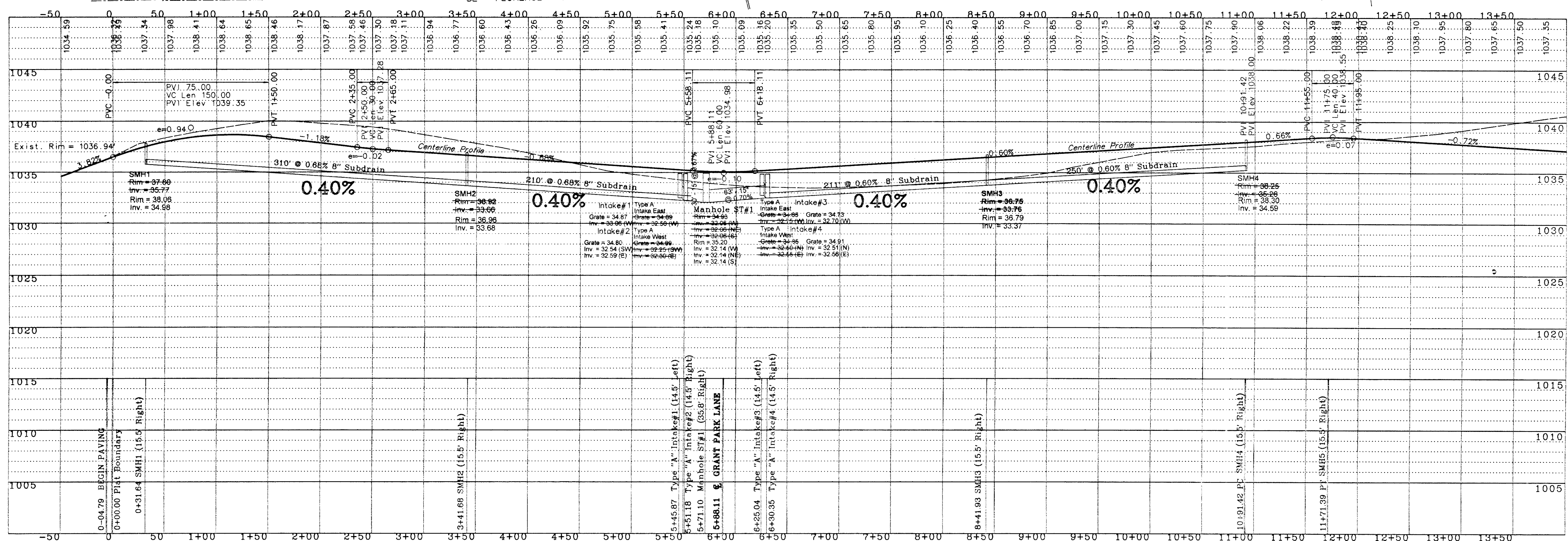
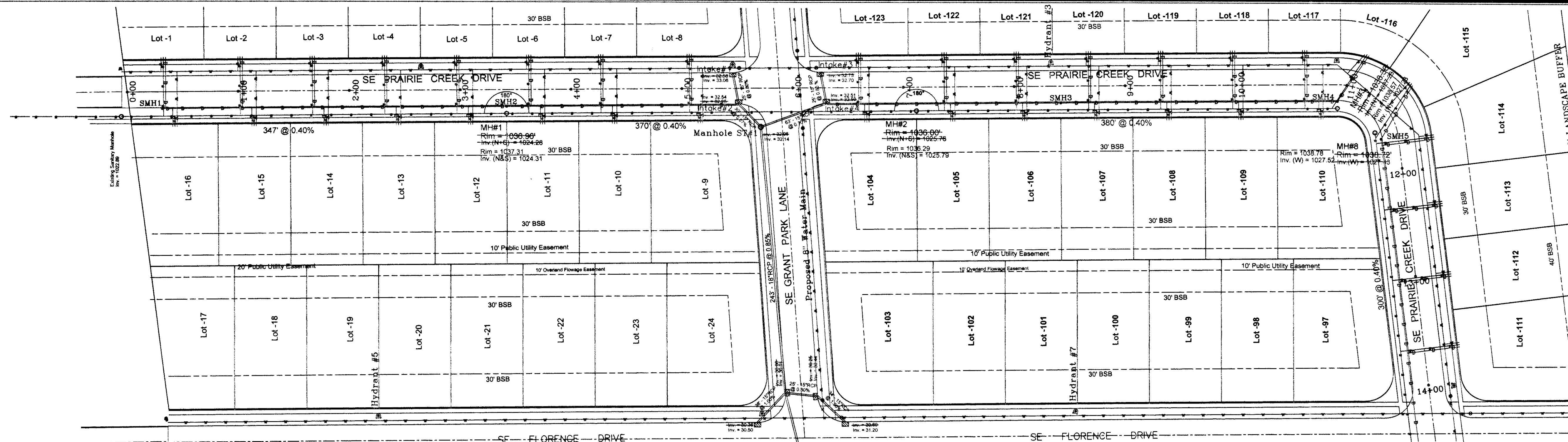
- +/- MORE OR LESS
- FENCE LINE
- ⊕ FIRE HYDRANT
- MANHOLE
- VALVE
- 125x3 SPOT ELEVATION (⊕ x)
- N.T.S. NOT TO SCALE
- A.C.C./P.C.C. ASPHALTIC/PORTLAND CEMENT CONCRETE

- xxx— UTILITY LINE OR PIPE
- W WATER
- G GAS
- S SANITARY SEWER
- ST STORM SEWER
- UGE/T UNDERGROUND ELEC. / TEL.
- OHE/T OVERHEAD ELEC. / TEL.
- CATV CABLE TELEVISION

312th PLACE SANITARY SEWER AND WATER PLAN AN PROFILE - GRANT PARK

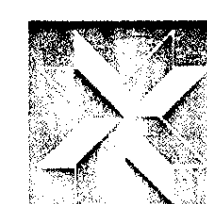
AS BUILT

REVISION: 4-19-2005; Revised as per City of Waukee. - ANN
5-24-2005 - City of Waukee
12-28-2005 - Elevation changes - EBH
SCALE: 1" = 5' Vert.
1" = 50' Horiz.
DATE: 6-29-2004
DRAWN BY: V. Pelds
CHECKED BY: 10652-8
FILE PATH: S:\Molly\Kurt Brewer\Grant Park\Construction Drawings\312 San H2O P&P 3-22-2005



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- IRON ROD OR PIPE FOUND
- SET IRON ROD WITH #4640 CAP
- ▲ SECTION CORNER MONUMENT FOUND
- △ SECTION CORNER MONUMENT SET
- ⊗ POWER POLE
- ⊙ LIGHT POLE
- F.F. FINISHED FLOOR

+/-

125x 3

N.T.S.

A.C.C./P.C.C.

MORE OR LESS

FENCE LINE

FIRE HYDRANT

MANHOLE

VALVE

SPOT ELEVATION (⊙ x)

NOT TO SCALE

ASPHALTIC/PORTLAND CEMENT CONCRETE

xxx

W

G

S

ST

UGE/T

OHE/T

CATV

UTILITY LINE OR PIPE

WATER

GAS

SANITARY SEWER

STORM SEWER

UNDERGROUND ELEC. / TEL.

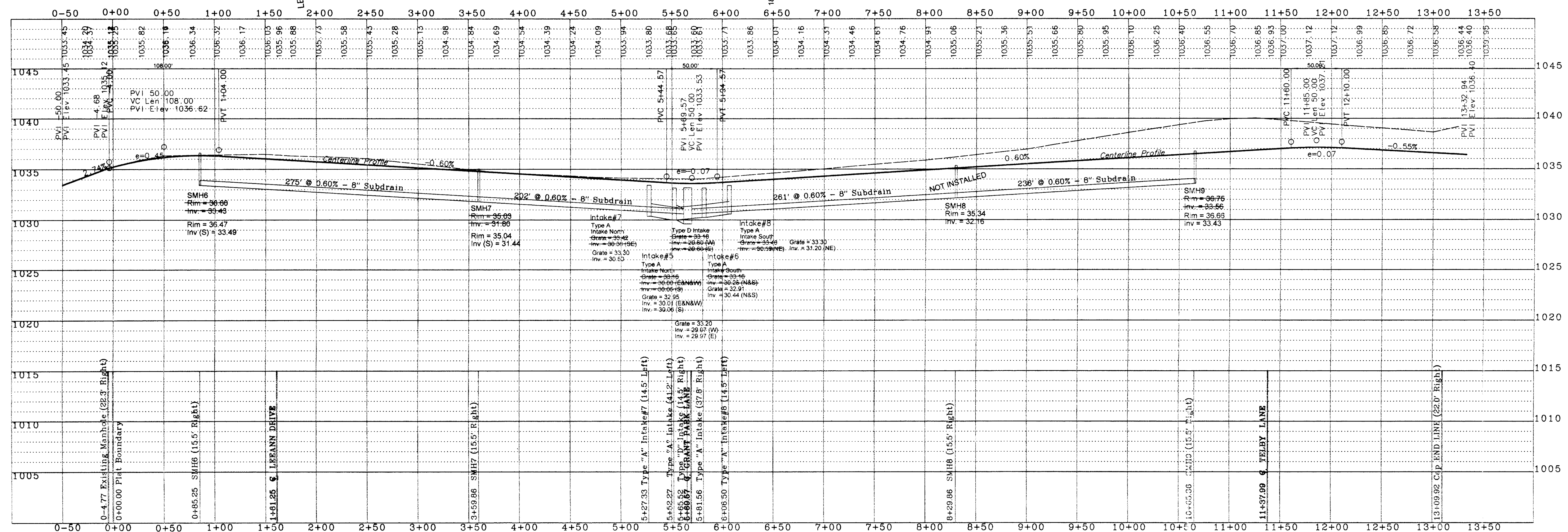
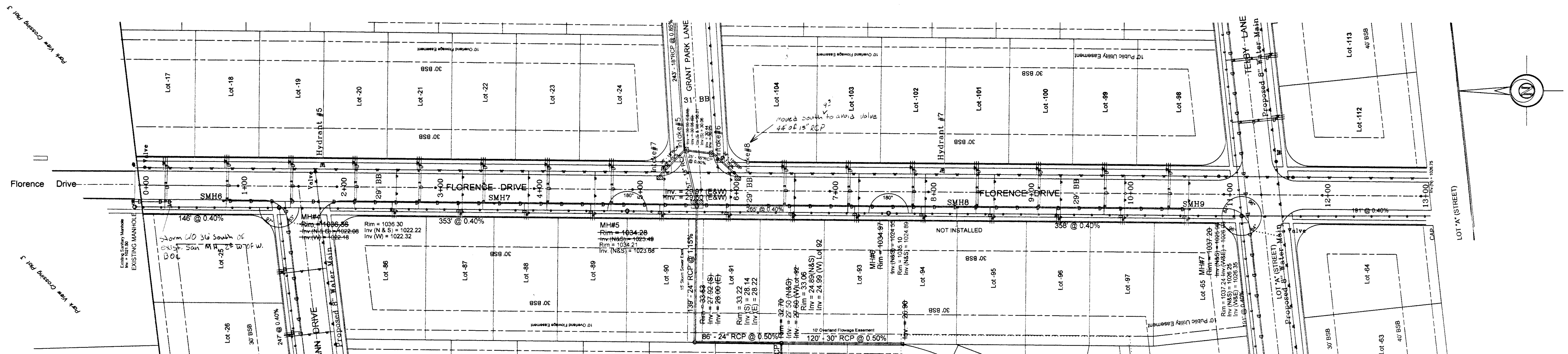
OVERHEAD ELEC. / TEL.

CABLE TELEVISION

PRAIRIE CREEK DRIVE PAVING AND STORM SEWER PLAN AND PROFILE - GRANT PARK

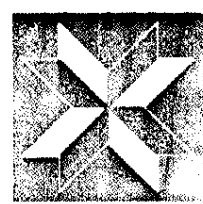
AS BUILT

DATE: 3-22-2005	DATE: 5-24-2005	DATE: 5-24-2005
BY: 4-25-2005	BY: 12-27-2005	BY: 12-27-2005
SCALE: 1" = 5' Vert.	SCALE: 1" = 5' Horiz.	SCALE: 1" = 5' Horiz.
DATE: 6-29-2004	DATE: 6-29-2004	DATE: 6-29-2004
BY: V. Pelds	BY: V. Pelds	BY: V. Pelds
PROJECT: 8/Wally/Kurt Brewer/Grant Park/As Built/Asbuilt - 11-07-2007 /Prairie ParkStorm P&P-P&P	PROJECT: 8/Wally/Kurt Brewer/Grant Park/As Built/Asbuilt - 11-07-2007 /Prairie ParkStorm P&P-P&P	PROJECT: 8/Wally/Kurt Brewer/Grant Park/As Built/Asbuilt - 11-07-2007 /Prairie ParkStorm P&P-P&P



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- △ SECTION CORNER MONUMENT SET
- ⊙ POWER POLE
- LIGHT POLE
- F.F. FINISHED FLOOR

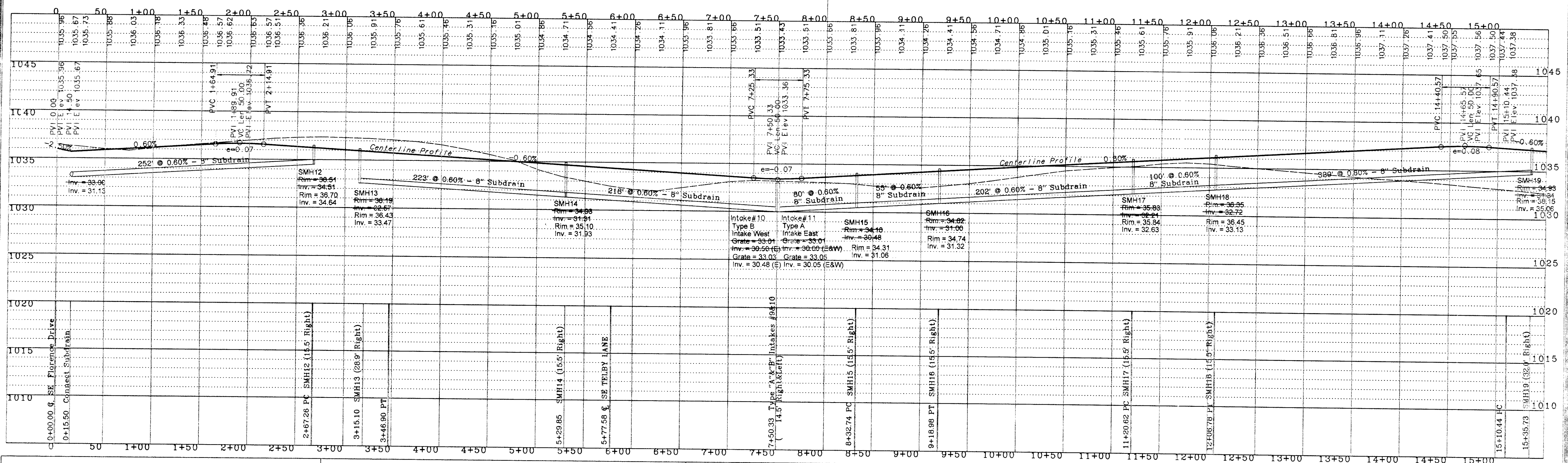
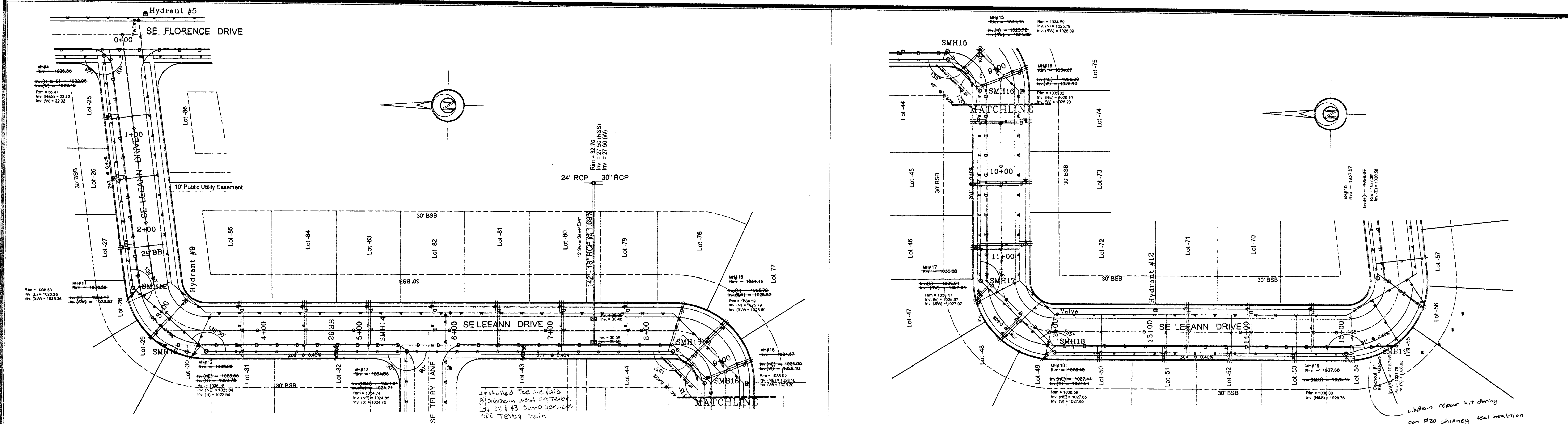
- +/- MORE OR LESS
- × FENCE LINE
- × FIRE HYDRANT
- MANHOLE
- VALVE
- 125x3 SPOT ELEVATION (E)
- N.T.S. NOT TO SCALE
- A.C.C./P.C.C. ASPHALTIC/PORTLAND CEMENT CONCRETE

- UTILITY LINE OR PIPE
- W WATER
- G GAS
- S SANITARY SEWER
- ST STORM SEWER
- UGE/T UNDERGROUND ELEC. / TEL.
- OHE/T OVERHEAD ELEC. / TEL.
- CATV CABLE TELEVISION

SE FLORENCE DRIVE PAVING AND STORM SEWER PLAN AND PROFILE - GRANT PARK

AS BUILT

REVISION: 3-18-2005 5-24-2005 - City of Waukee
12-25-2005 - Elevation changes - ESH
DATE: 6-29-2004
DRAWN BY: V. Pelds
CHECKED BY: 10652-10
BY: S/Wally/Kurt Brewer/Grant Park/As Built/Asbuilt - 11-07-2006/Florence Sanitary Pav/Storm P&P-PG10



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 - F.F. FINISHED FLOOR
 - +/- MORE OR LESS
 - FENCE LINE
 - ⊙ FIRE HYDRANT
 - ⊙ MANHOLE
 - ⊙ VALVE
 - ⊙ SPOT ELEVATION (⊙ x)
 - N.T.S. NOT TO SCALE
 - A.C.C./P.C.C. ASPHALTIC/PORTLAND CEMENT CONCRETE
 - XXX— UTILITY LINE OR PIPE
 - W WATER
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 - S SANITARY SEWER
 - ST STORM SEWER
 - UGE/T UNDERGROUND ELEC. / TEL.
 - OHE/T OVERHEAD ELEC. / TEL.
 - CATV CABLE TELEVISION

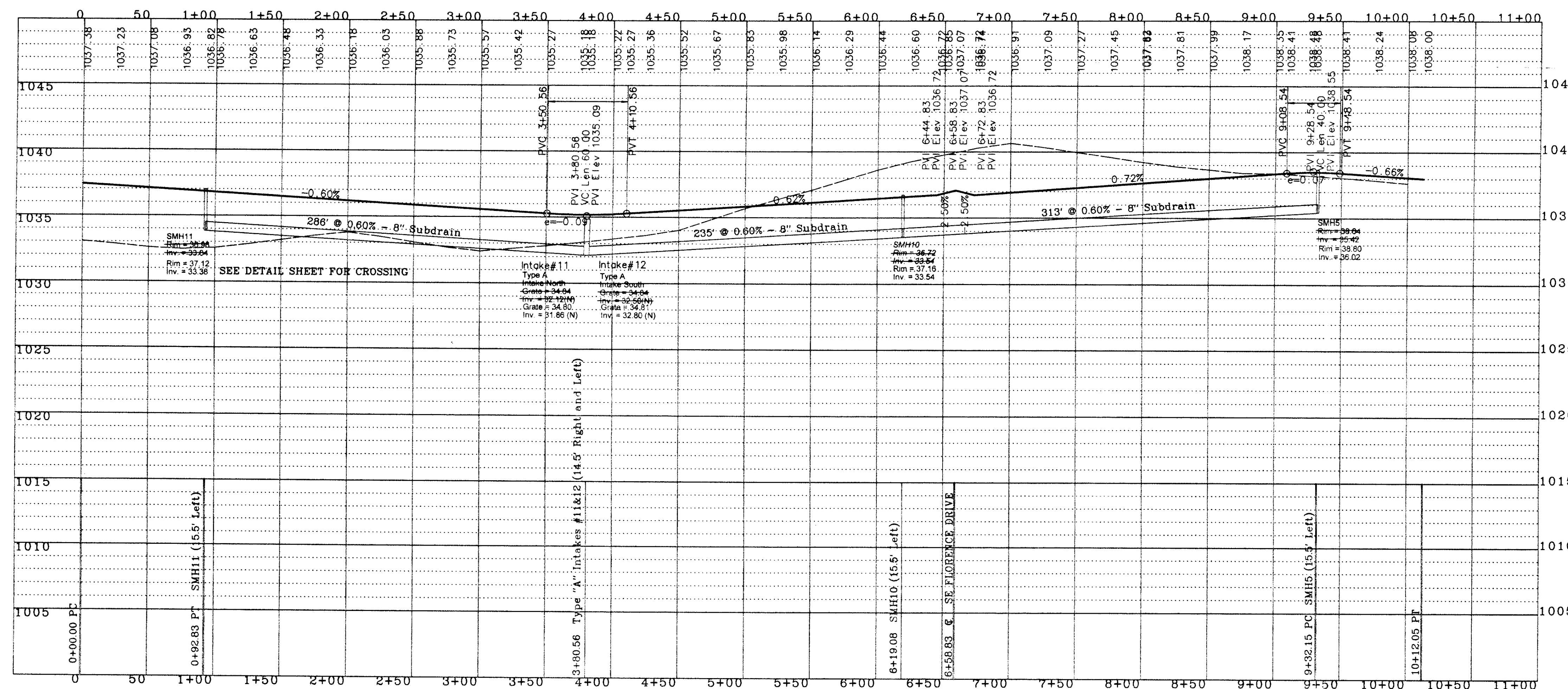
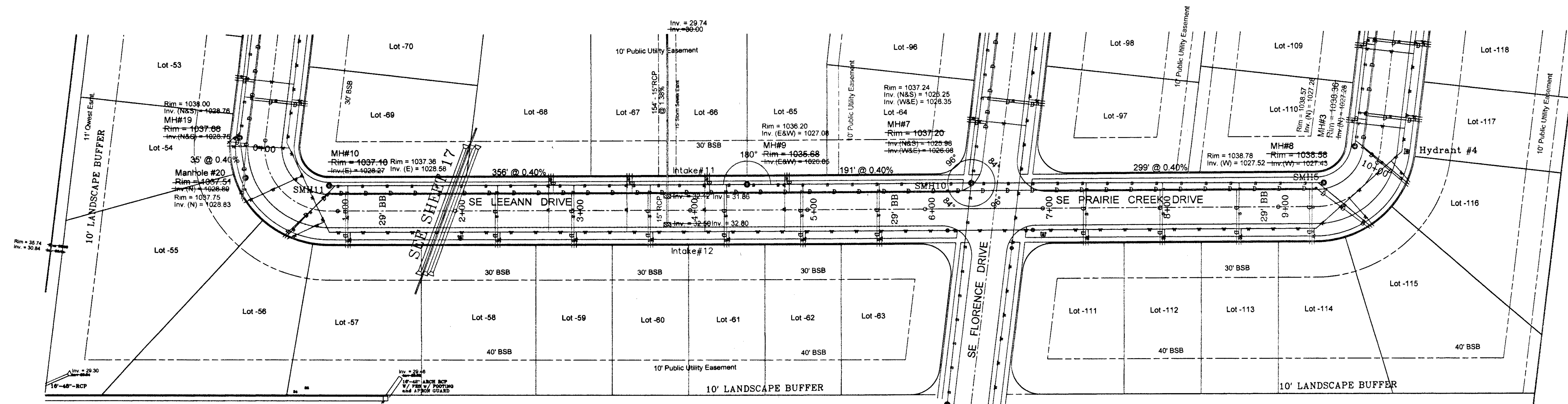
SE LEEANN DRIVE PAVING AND STORM SEWER PLAN AND PROFILE - GRANT PARK
AS BUILT

DATE: 3-18-2005
 5-24-2005 - City of Waukee
 12-27-2005 - Elevation changes - RBH

SCALE: 1" = 5' Vert.
 1" = 50' Horiz.

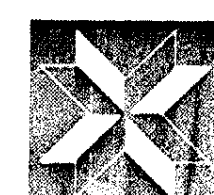
DATE: 6-29-2004
 DRAWN BY: V. Pelds
 10652-11

BY: S/Wally/Kurt Brewer/Grant Park/As Built/Asbuilt - 11-07-2005/LeeAnn PavStorm P&P-PG11



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- SET IRON ROD WITH #4640 CAP
- ▲ SECTION CORNER MONUMENT FOUND
- △ SECTION CORNER MONUMENT SET
- ⊗ POWER POLE
- ⊙ LIGHT POLE
- F.F. FINISHED FLOOR

+/-

x x x x

125 x 3

N.T.S.

A.C.C./P.C.C.

MORE OR LESS

FENCE LINE

FIRE HYDRANT

MANHOLE

VALVE

SPOT ELEVATION (⊗ x)

NOT TO SCALE

ASPHALTIC/PORTLAND CEMENT CONCRETE

---XXX---

W

G

S

ST

UGE/T

OHE/T

CATV

UTILITY LINE OR PIPE

WATER

GAS

SANITARY SEWER

STORM SEWER

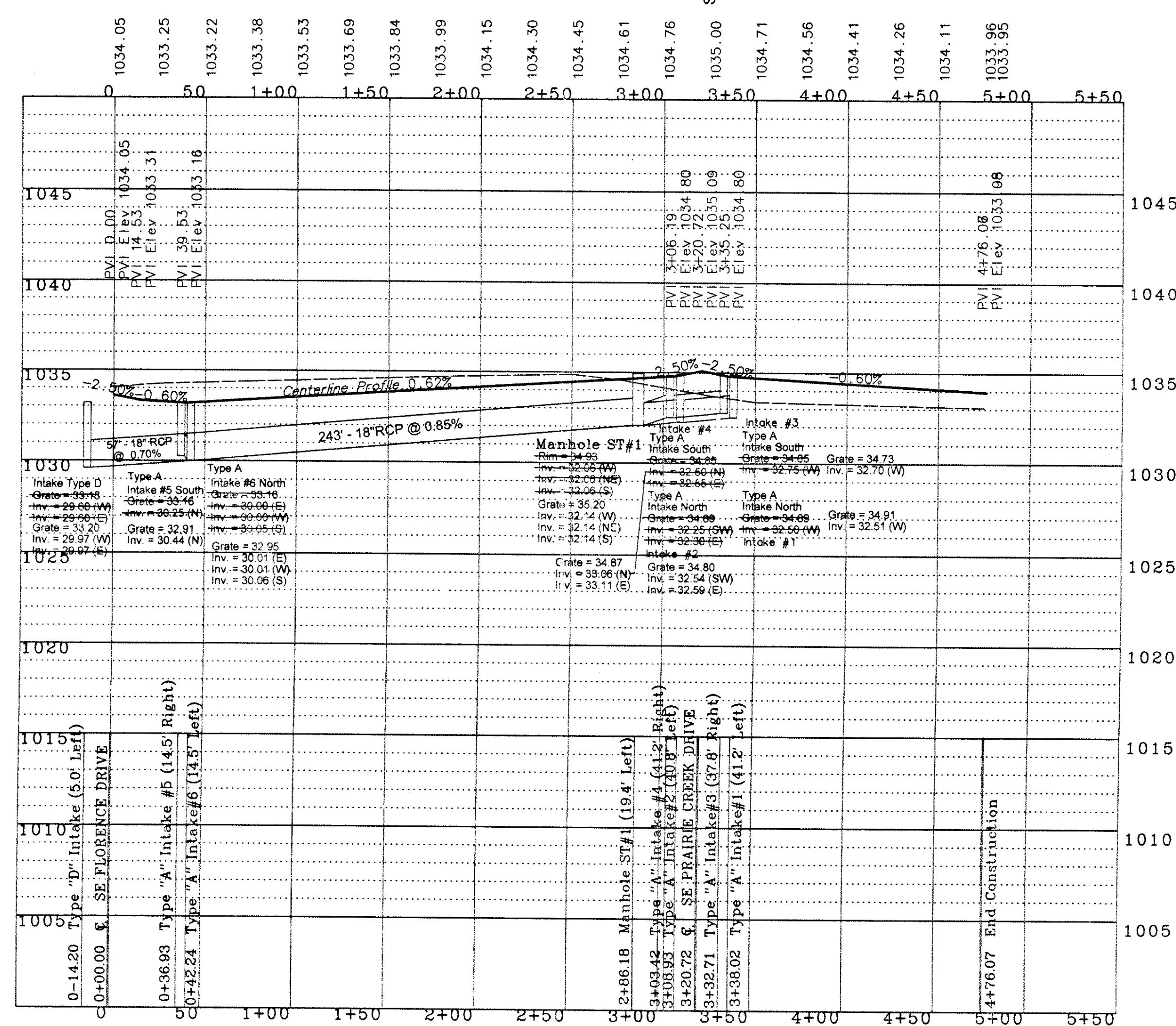
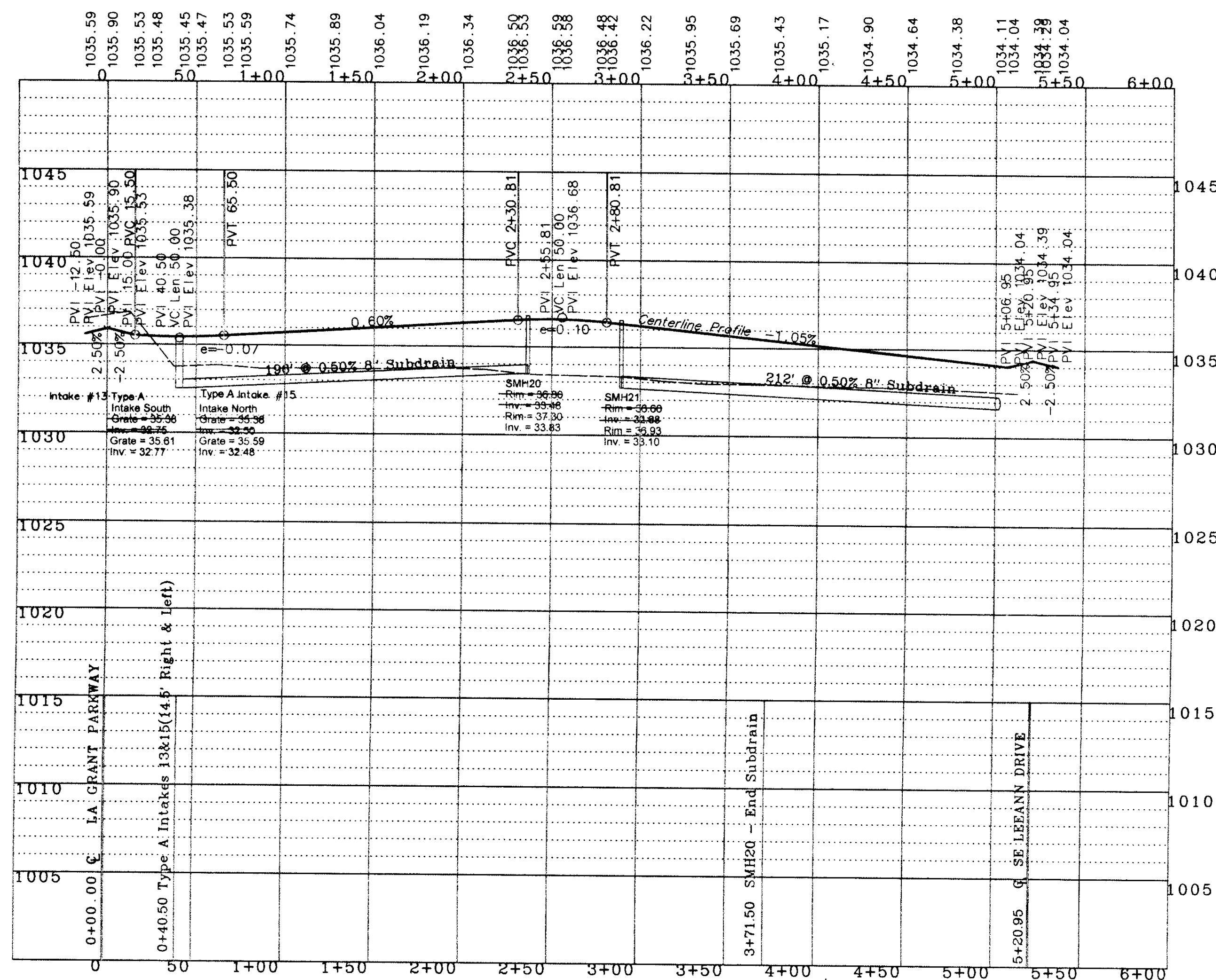
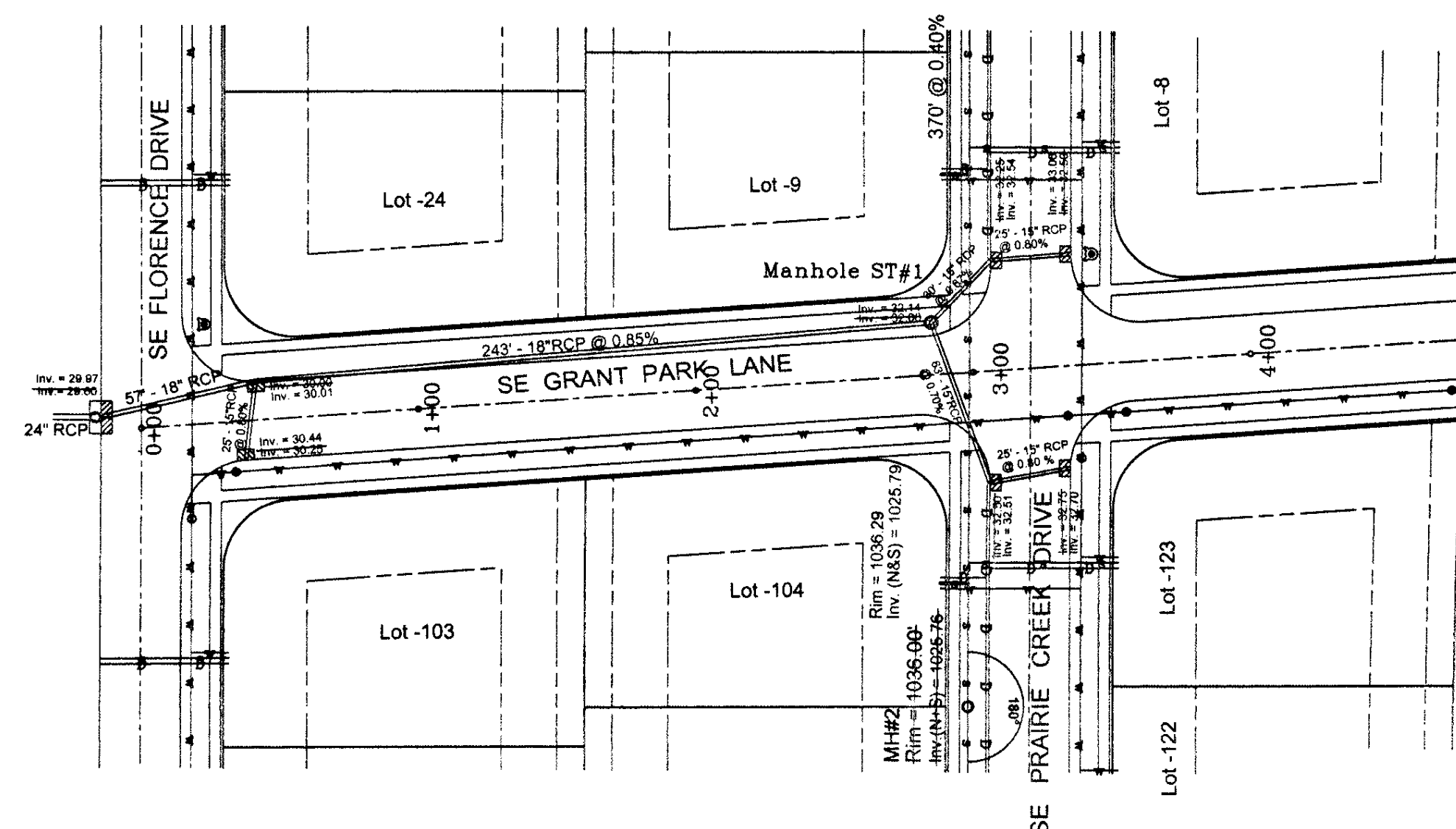
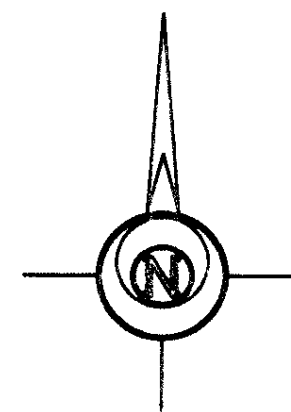
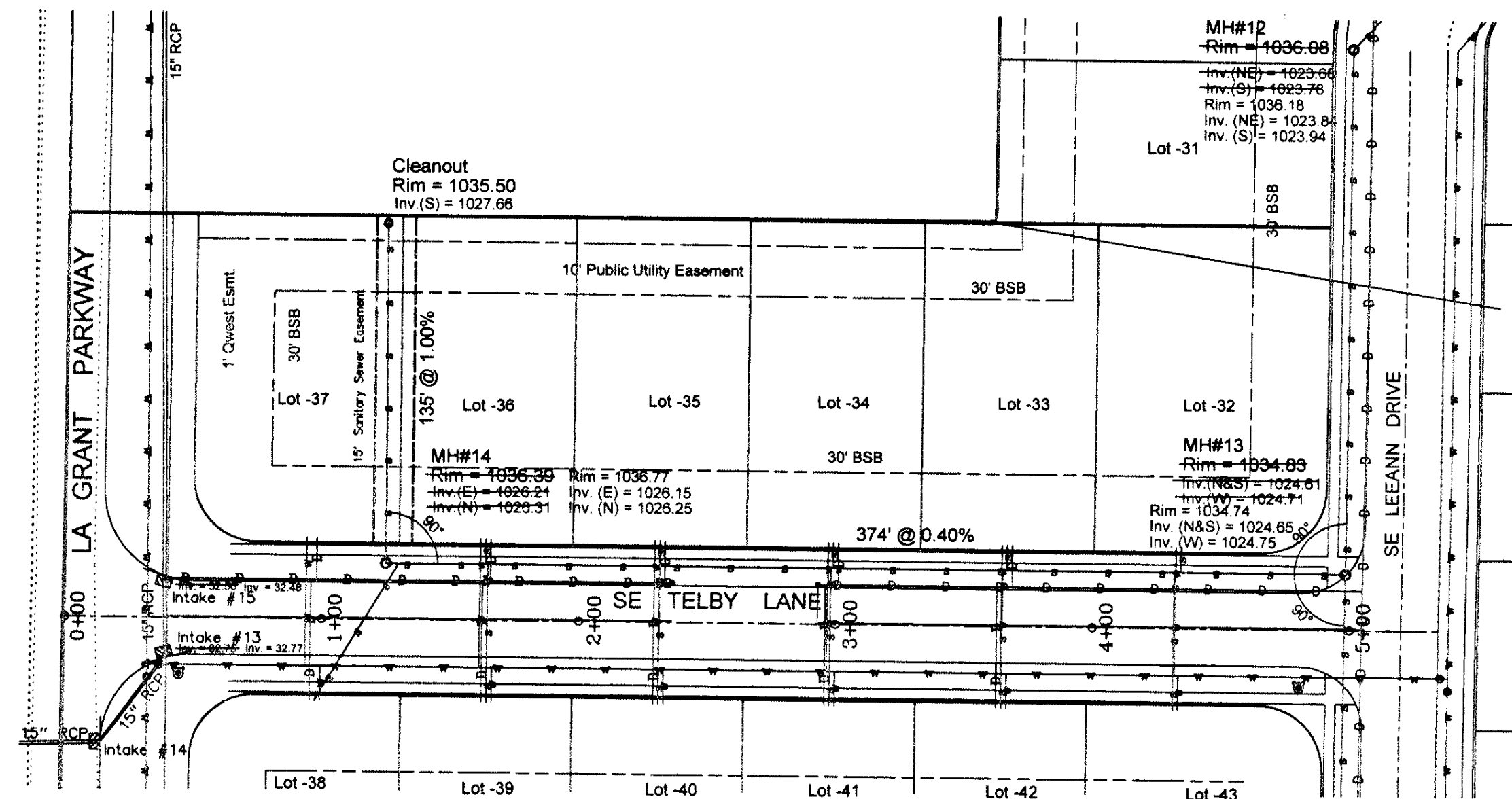
UNDERGROUND ELEC. / TEL.

OVERHEAD ELEC. / TEL.

CABLE TELEVISION

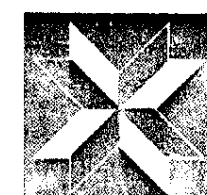
SE LEEANN DRIVE - SE PRAIRIE CREEK DRIVE PAVING AND STORM SEWER PLAN AND PROFILE - GRANT PARK AS BUILT

REVISION: 4-25-2005 - Comments - VLP
5-24-2005 - City of Waukee
12-29-2005 - Station changes - EBN
SCALE: 1" = 5' Vert
1" = 50' Horiz
DATE: 6-29-2004
DRAWN BY: V. Pelds
CHECKED BY: 10652-12
PROJECT: S/Wally/Kurt Brewer/Grant Park/As Built/Asbuilt - 11-07-2005/LEEANN-PCD SOUTH PavStorm P&P-PG12



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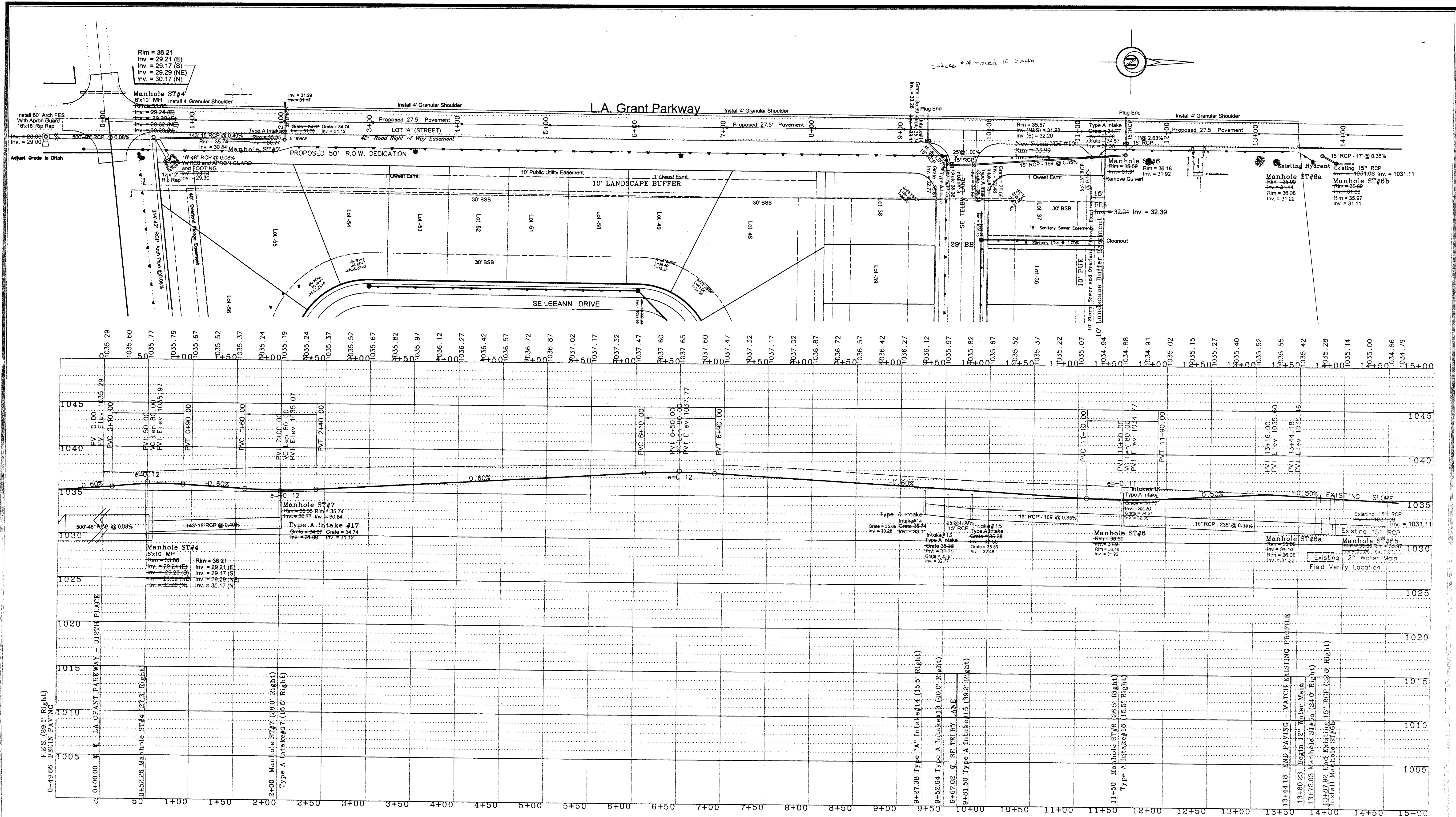
- IRON ROD OR PIPE FOUND
- SET IRON ROD WITH #4540 CAP
- ▲ SECTION CORNER MONUMENT FOUND
- △ SECTION CORNER MONUMENT SET
- ⊗ POWER POLE
- ⊙ LIGHT POLE
- F.F. FINISHED FLOOR

- +/- MORE OR LESS
- FENCE LINE
- FIRE HYDRANT
- MANHOLE
- VALVE
- 125 x 3 SPOT ELEVATION (@ x)
- N.T.S. NOT TO SCALE
- A.C.C./P.C.C. ASPHALTIC/PORTLAND CEMENT CONCRETE

- xxx— UTILITY LINE OR PIPE
- W WATER
- G GAS
- S SANITARY SEWER
- ST STORM SEWER
- USE/T UNDERGROUND ELEC. / TEL.
- OH/E OVERHEAD ELEC. / TEL.
- CATV CABLE TELEVISION

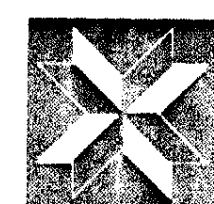
SE GRANT PARK LANE & SE TELBY LANE SANITARY SEWER AND WATER PLAN AND PROFILE - GRANT PARK AS BUILT

REVISION: 3-18-2005 - City of Waukee
12-27-2005 - Elevation Changes - EBH
DATE: 6-28-2004
V. Pelds
10652-13
S/Wally/Kurt Brewer/Grant Park/As Built/As Built - 11-07-2005/Telby-GPL P&P Pav-Storm-PG13rev



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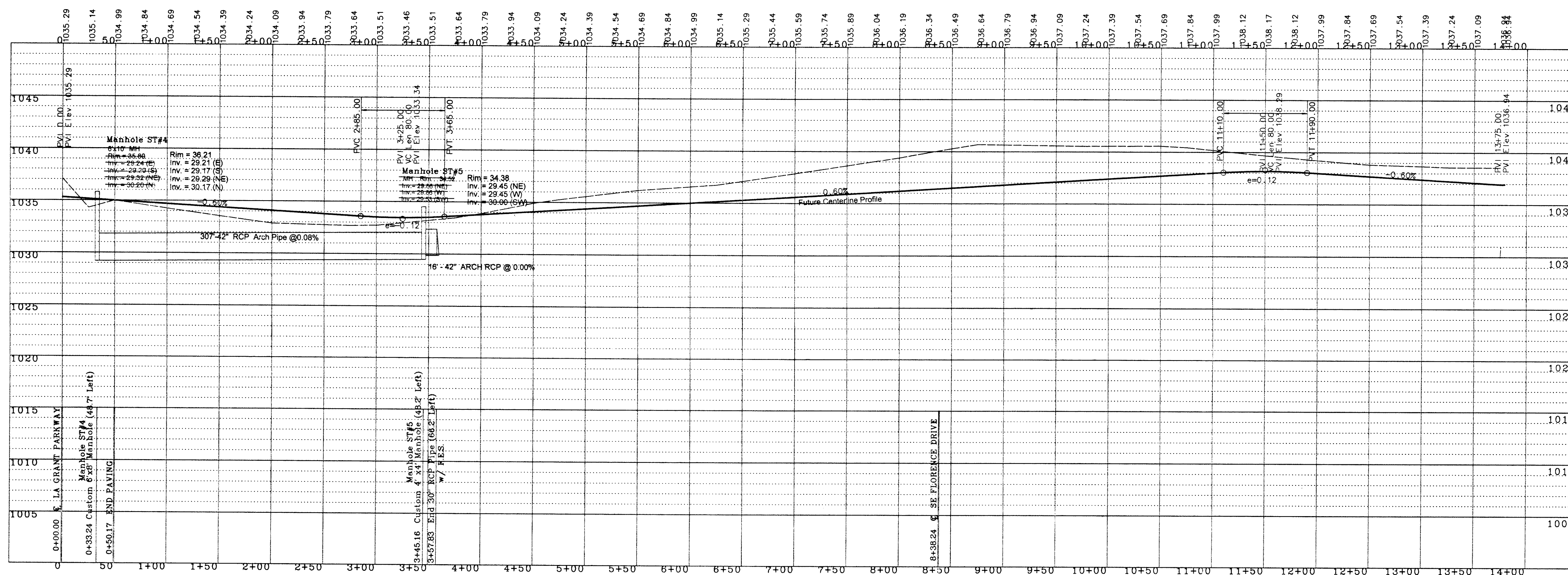
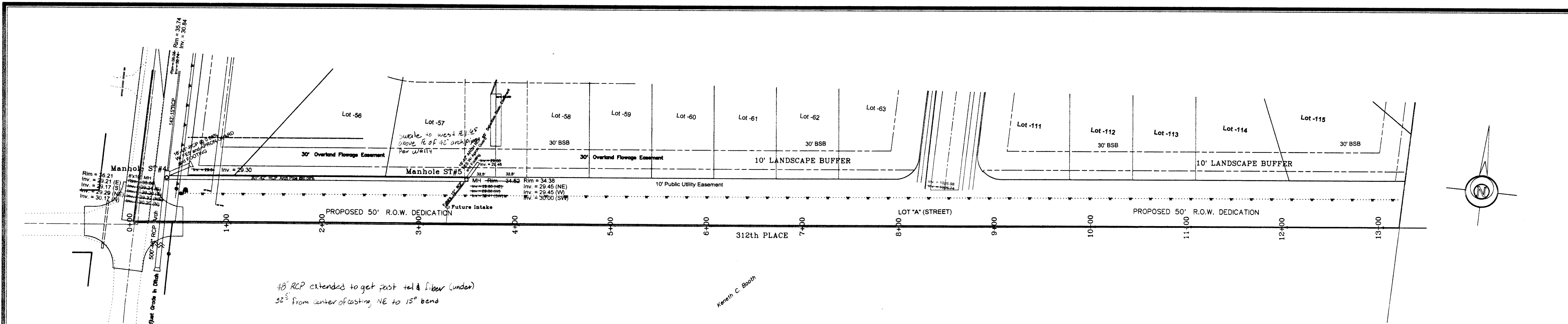
- +/- MORE OR LESS
- ✕ FENCE LINE
- ⊕ FIRE HYDRANT
- ⊙ MANHOLE
- ⊙ VALVE
- 125x3 SPOT ELEVATION (⊙ x)
- N.T.S. NOT TO SCALE
- A.C.C./P.C.C. ASPHALTIC/PORTLAND CEMENT CONCRETE

- xxx--- UTILITY LINE OR PIPE
- W WATER
- G GAS
- S SANITARY SEWER
- ST STORM SEWER
- UGE/T UNDERGROUND ELEC. / TEL.
- OHE/T OVERHEAD ELEC. / TEL.
- CATV CABLE TELEVISION

LA GRANT PARKWAY PAVING AND STORM SEWER PLAN AND PROFILE - GRANT PARK

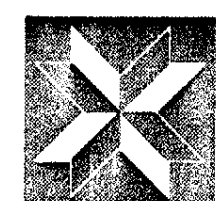
AS BUILT

REVISION: 1-18-2005
6-24-2005 Per Waukee
6-27-2005 Elevation changes - SPH
SCALE: 1" = 5' Vert.
1" = 50' Horiz.
DATE: 6-29-2004
DRAWN BY: V. Pelds
CHECKED BY: 10652-14



A. LEO PELDS ENGINEERING COMPANY

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Engineers

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FAX: (515) 266-2259

Planners

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LEGEND:

STANDARD SYMBOLS:

- IRON ROD OR PIPE FOUND
- SET IRON ROD WITH #4640 CAP
- ▲ SECTION CORNER MONUMENT FOUND
- △ SECTION CORNER MONUMENT SET
- ⊕ POWER POLE
- ⊙ LIGHT POLE
- FF. FINISHED FLOOR

+/-
125x 3
N.T.S.
A.C.C./P.C.C.

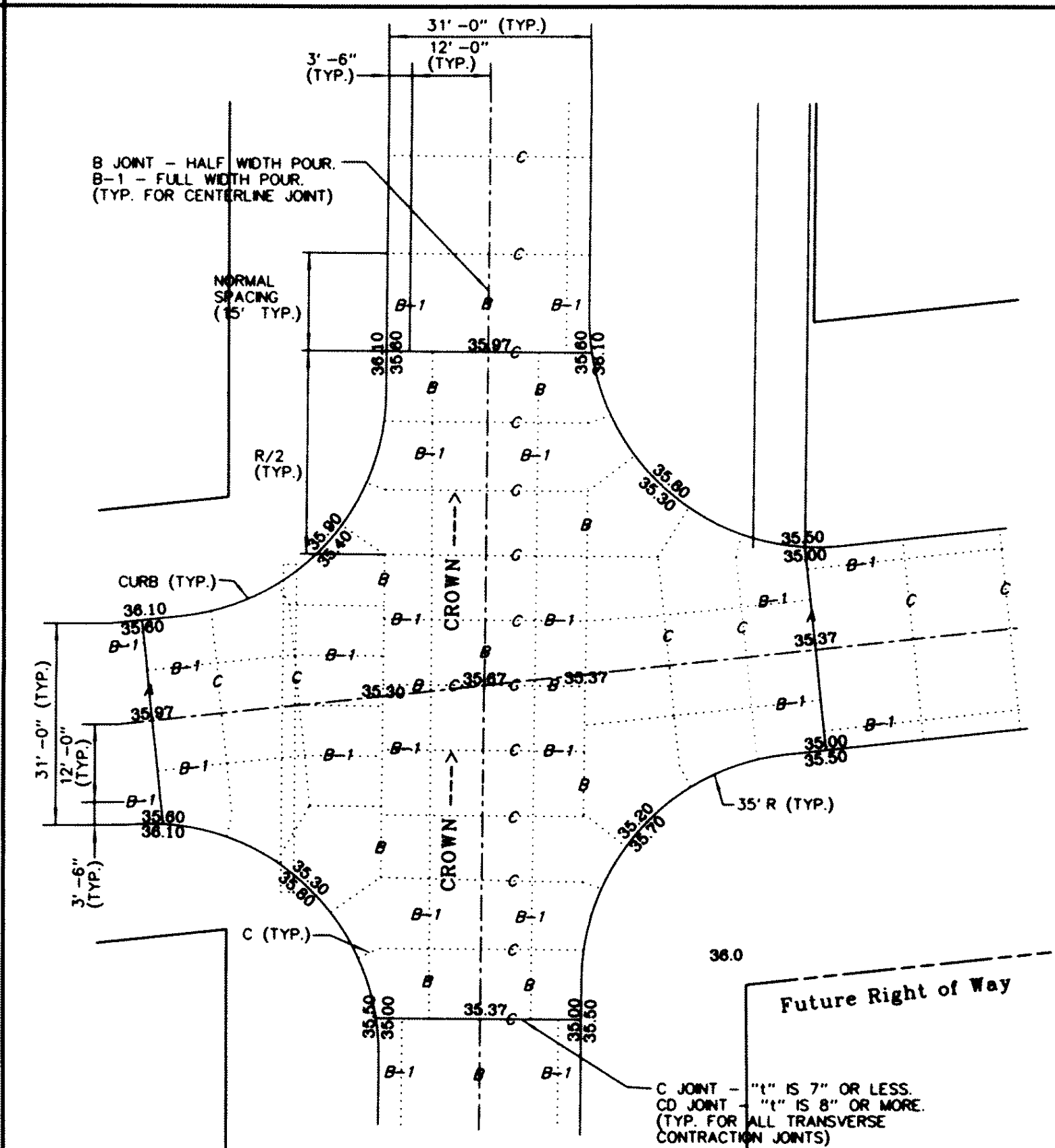
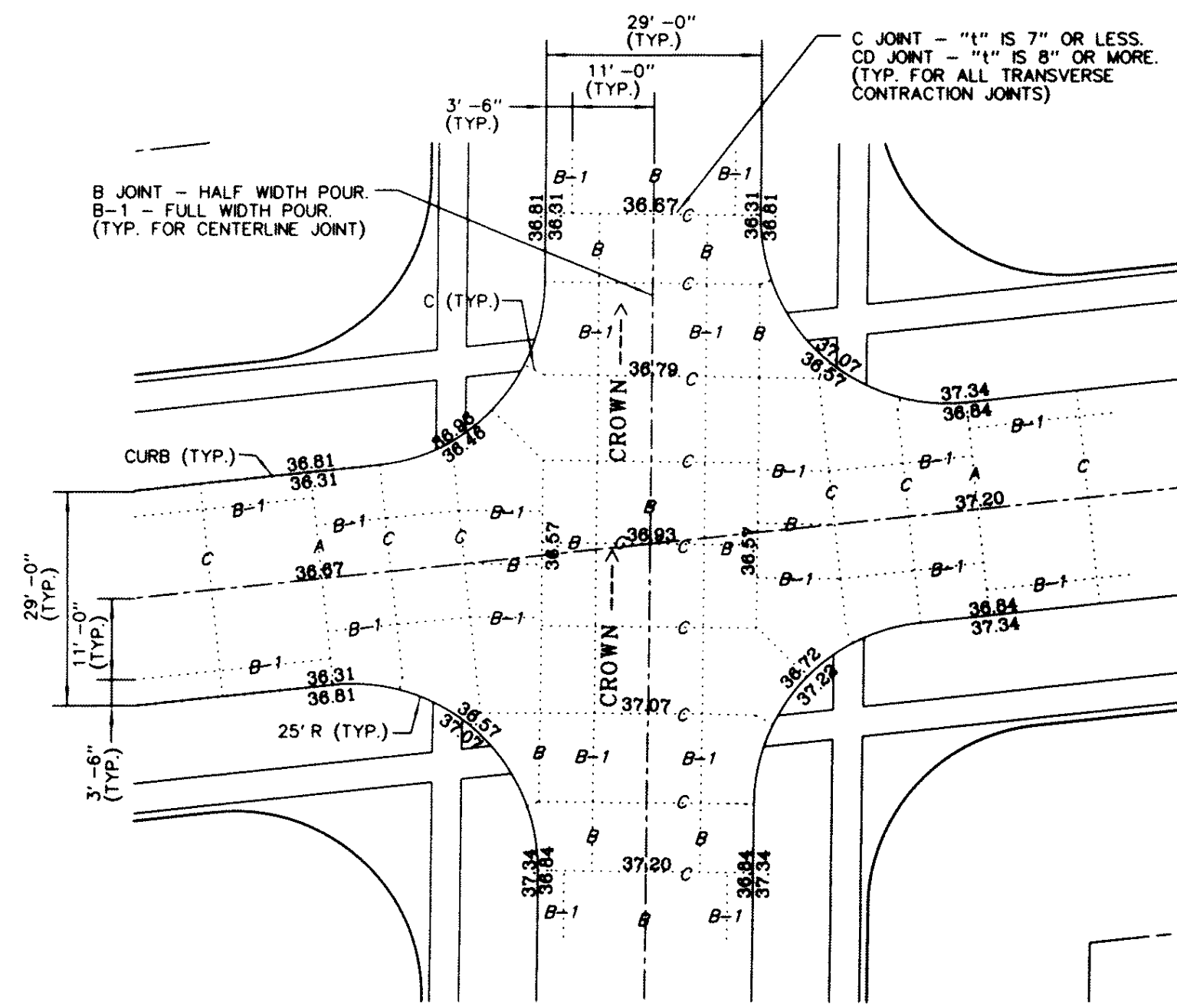
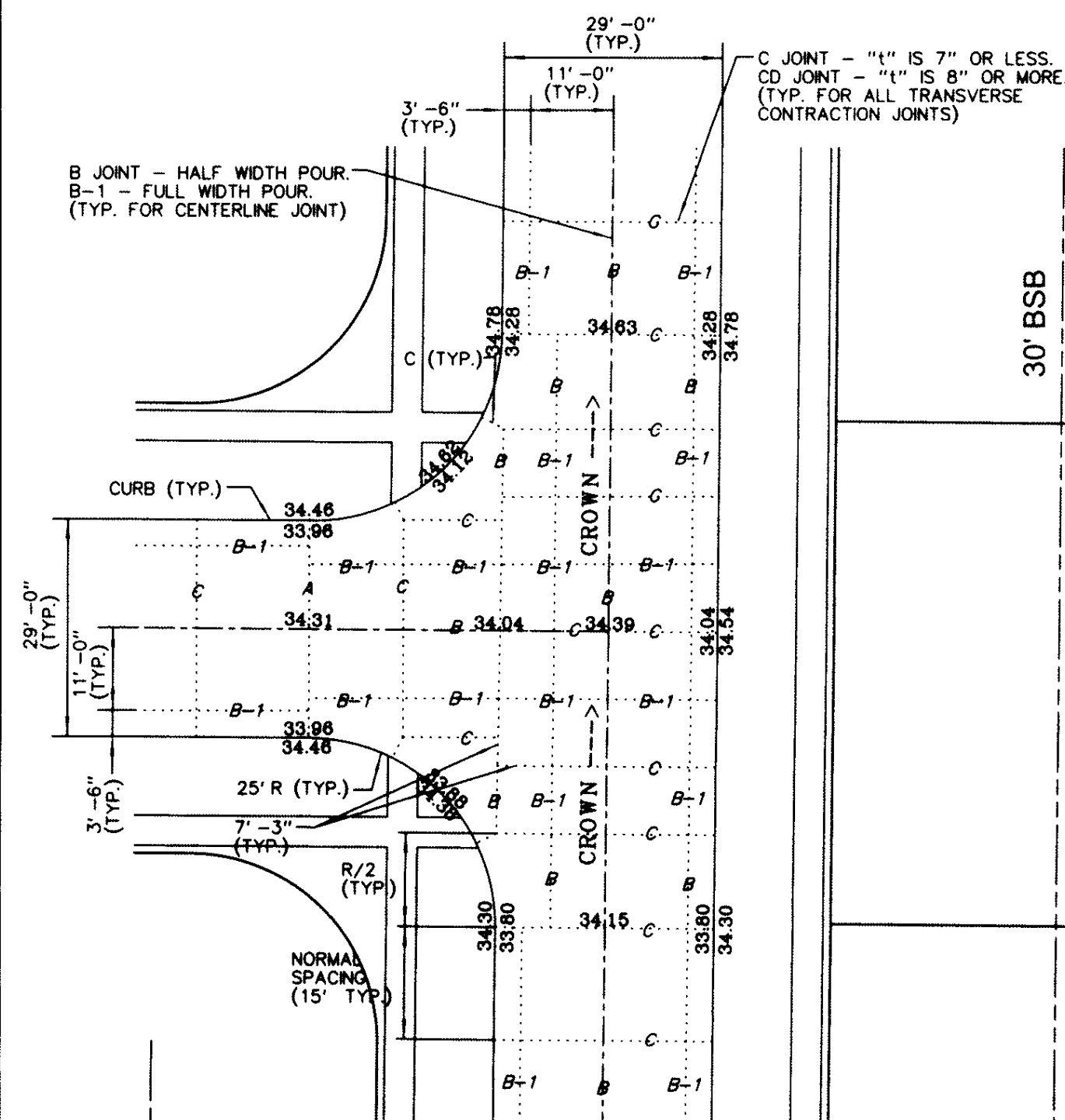
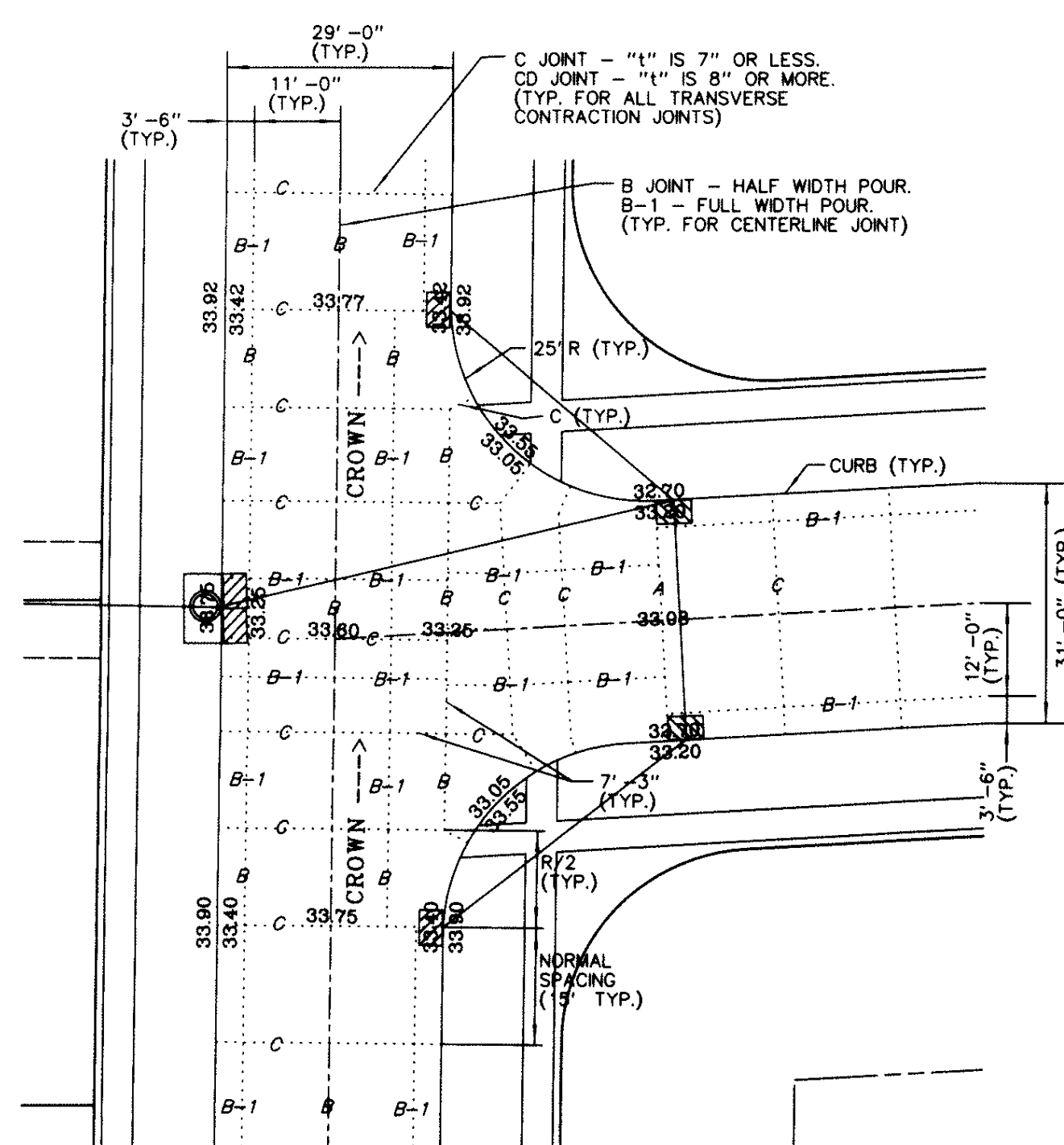
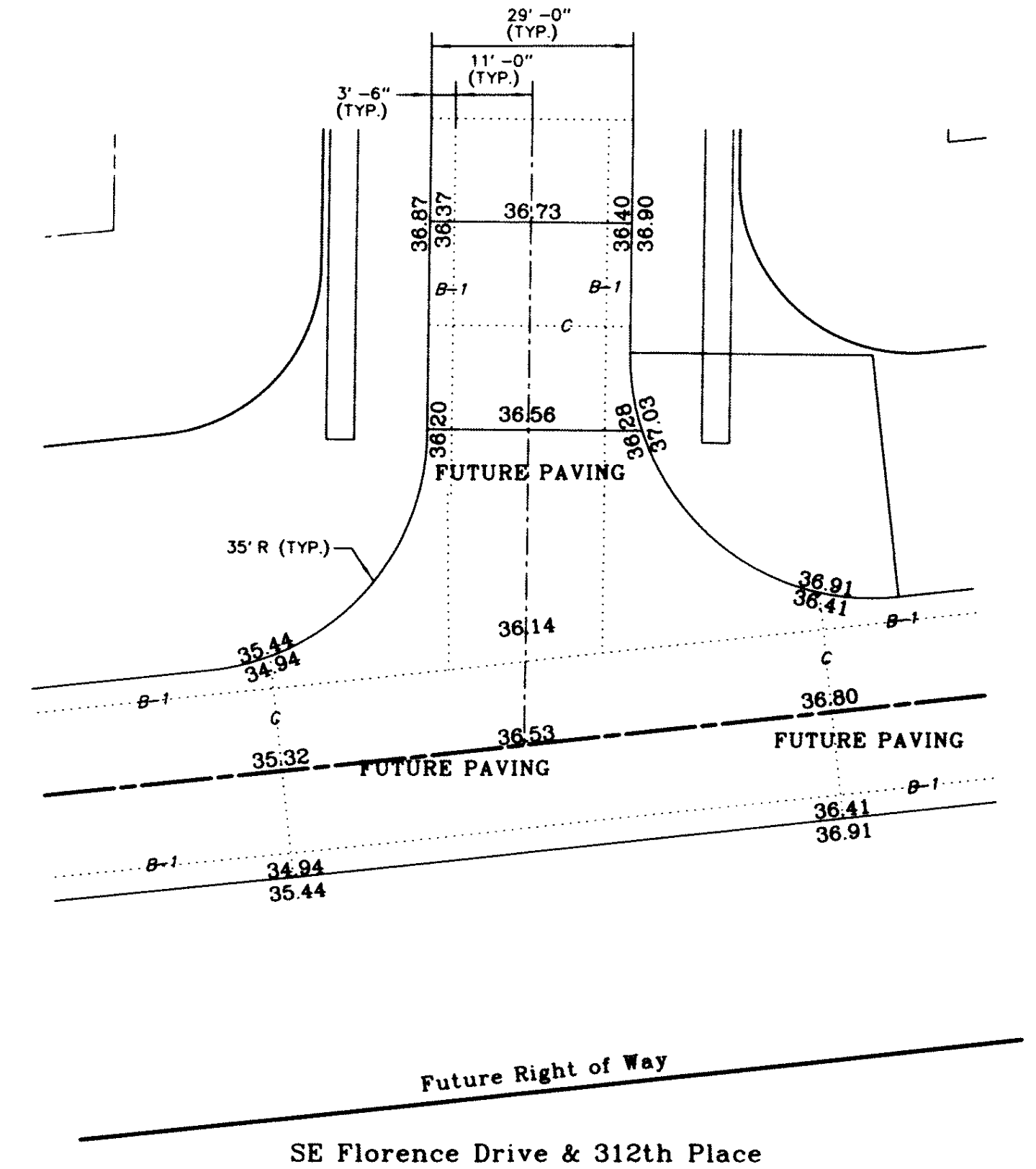
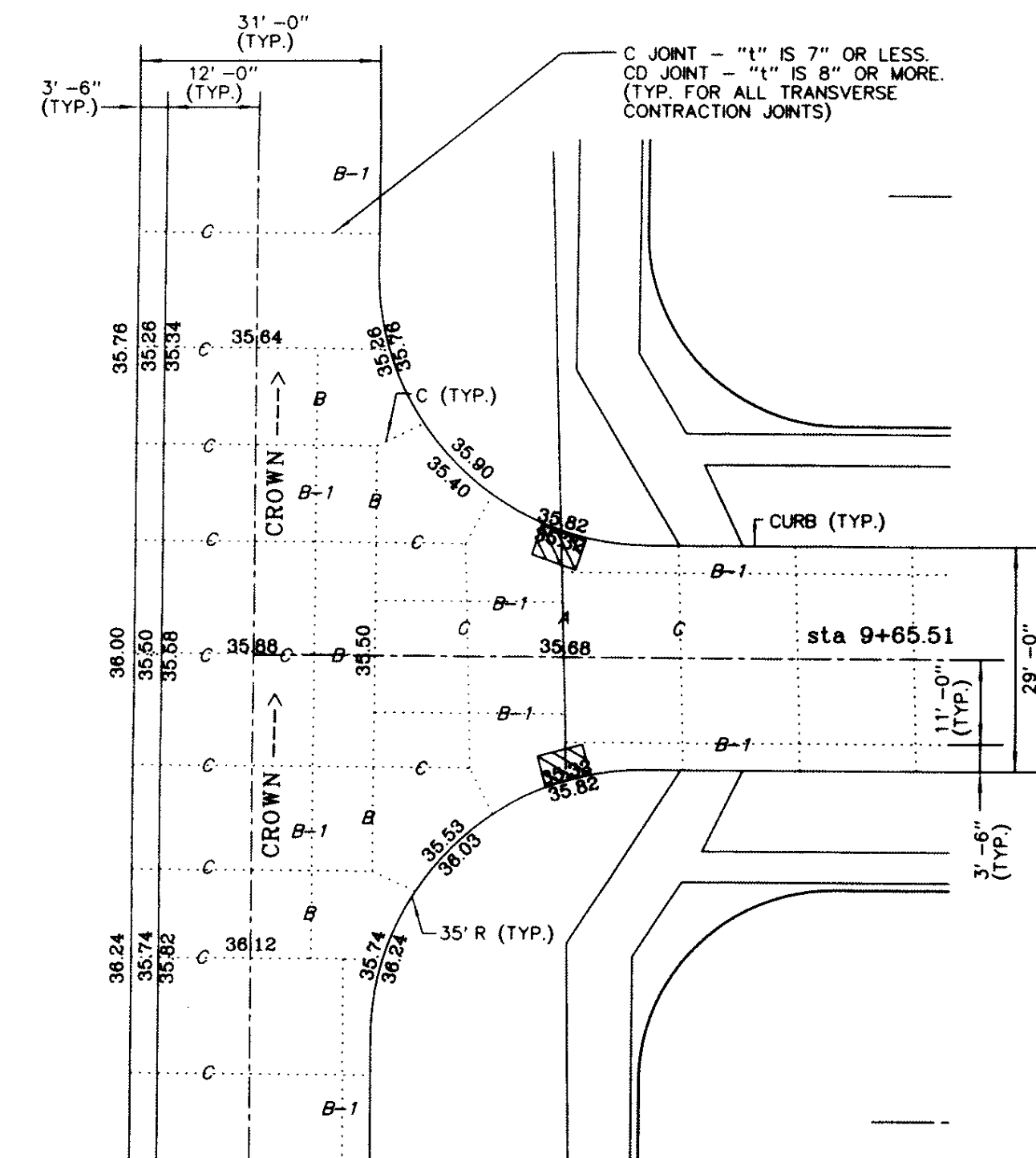
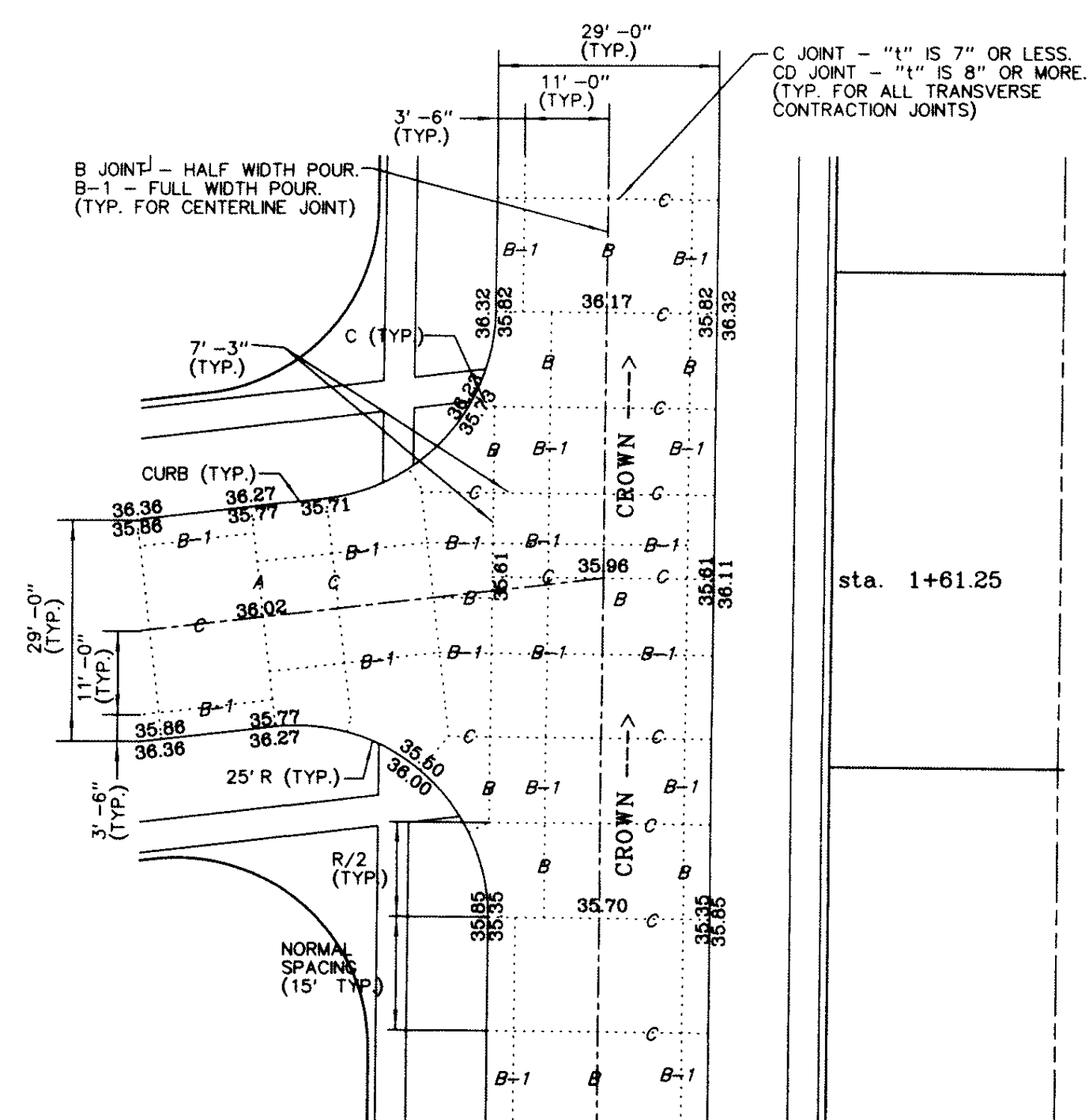
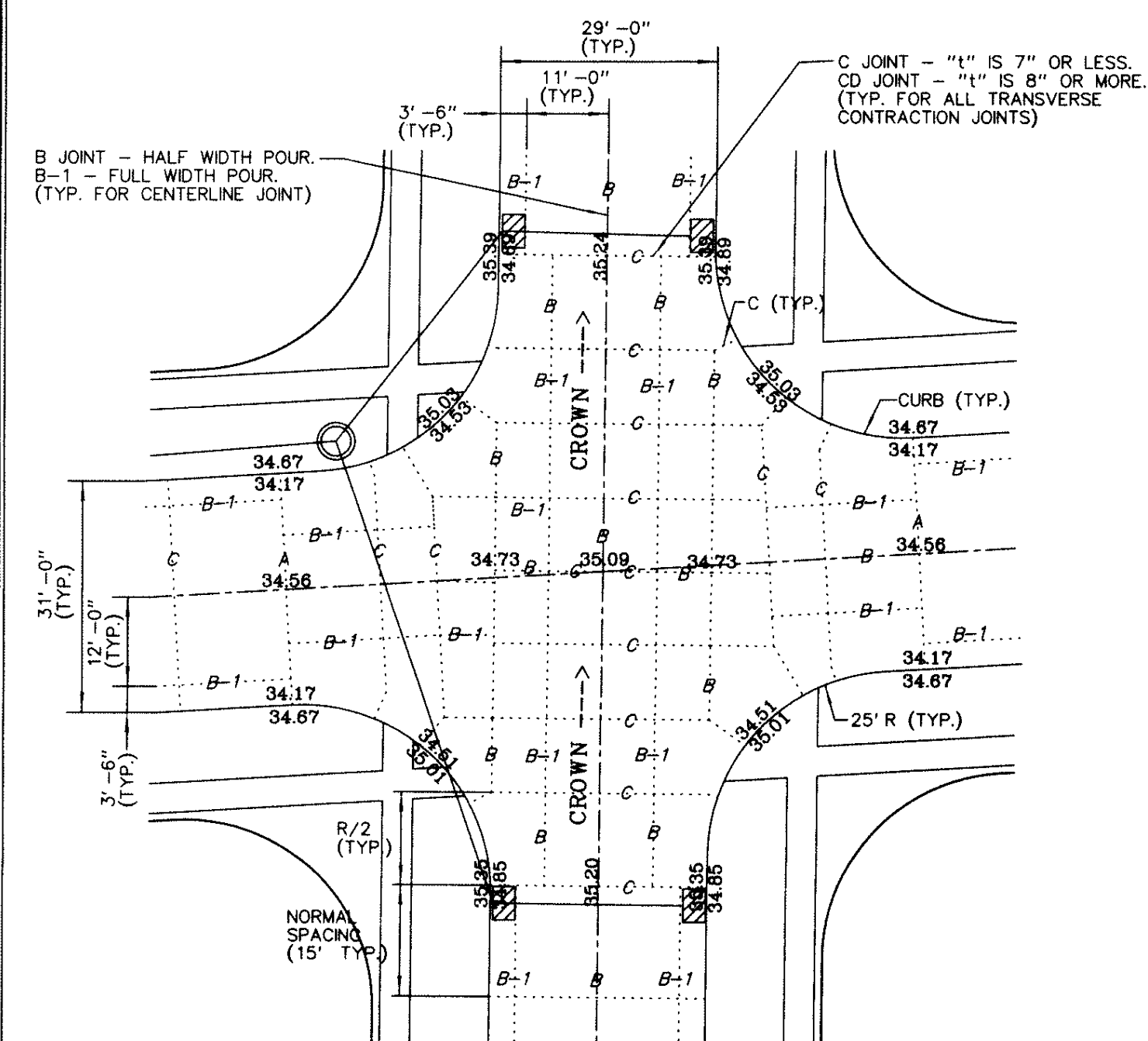
MORE OR LESS
FENCE LINE
FIRE HYDRANT
MANHOLE
VALVE
SPOT ELEVATION (⊕ x)
NOT TO SCALE
ASPHALTIC/PORTLAND CEMENT CONCRETE

---XXX--- UTILITY LINE OR PIPE
W WATER
G GAS
S SANITARY SEWER
ST STORM SEWER
UGE/T UNDERGROUND ELEC. / TEL.
OHE/T OVERHEAD ELEC. / TEL.
CATV CABLE TELEVISION

312th PLACE PAVING AND STORM SEWER PLAN AND PROFILE - GRANT PARK

AS BUILT

DATE: 3-22-2005 5-24-2005
4-25-2005 12-27-2005 EBH
SCALE: 1" = 5' Vert. 1" = 50' Horiz.
DATE: 6-29-2004
DRAWN BY: V. Pelds
CHECKED BY: 10652-15
FILE PATH: S:\Wally\Kurt Brewer\Grant Park\As Built\Asbuilt - 11-07-2005\312 PavStorm P&P-PG15



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DES MOINES, IOWA 50306
FAX: (515) 266-2259

PHONE: (313) 265-8196
Surveyors 
Engineers

Planners

LEGEND:

STANDARD SYMBOLS:

- IRON ROD OR PIPE FOUND
○ SET IRON ROD WITH #4640 CAP
△ SECTION CORNER MONUMENT FOUND
△ SECTION CORNER MONUMENT SET
⊗ POWER POLE
⊗—○ LIGHT POLE
F.F. FINISHED FLOOR

- | | |
|---|------------------------------------|
|  | MORE OR LESS
FENCE LINE |
|  | FIRE HYDRANT |
|  | MANHOLE |
|  | VALVE |
| 125 x 3 | SPOT ELEVATION (● x) |
| N.T.S. | NOT TO SCALE |
| A.C.C./P.C.C. | ASPHALTIC/PORTLAND CEMENT CONCRETE |

- | | |
|-------|--------------------------|
| —xxx— | UTILITY LINE OR PIPE |
| W | WATER |
| G | GAS |
| S | SANITARY SEWER |
| ST | STORM SEWER |
| UGE/T | UNDERGROUND ELEC. / TEL. |
| OHE/T | OVERHEAD ELEC. / TEL. |
| ETE | CABLE TELEVISION |

TITLE:	
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GRANT PARK – SUBDIVISION INTERSECTION DETAILS

BENCHMARK:

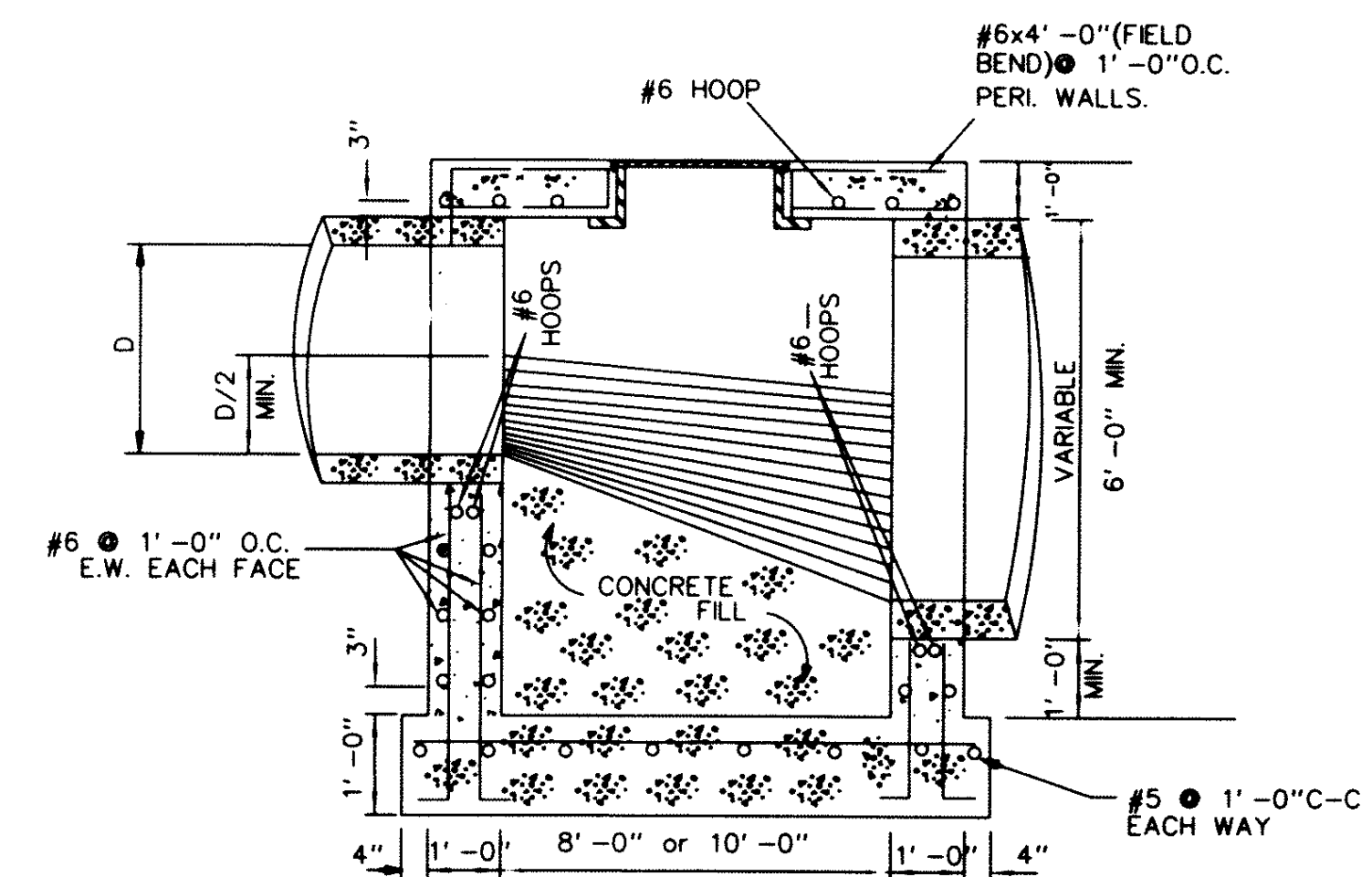
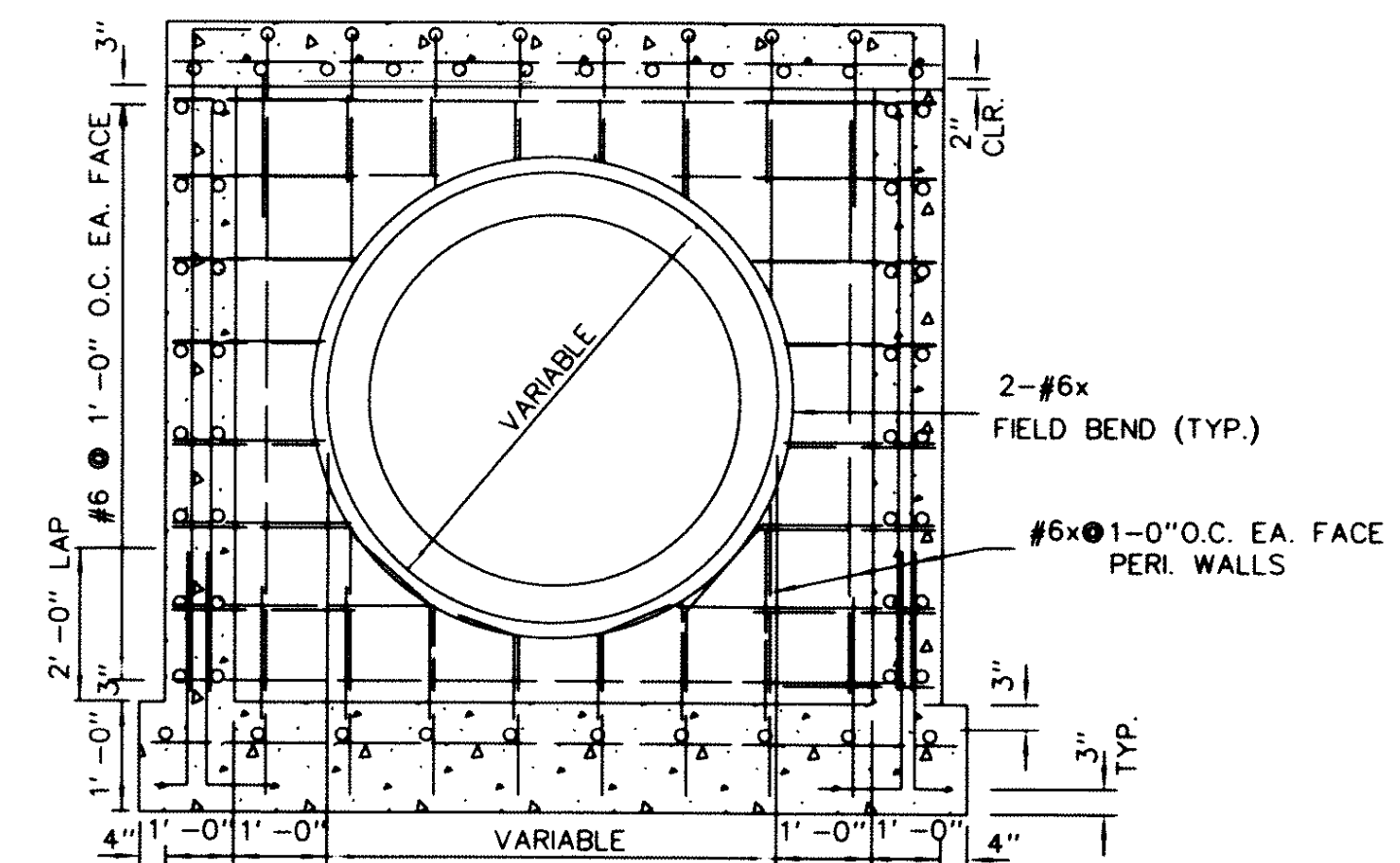
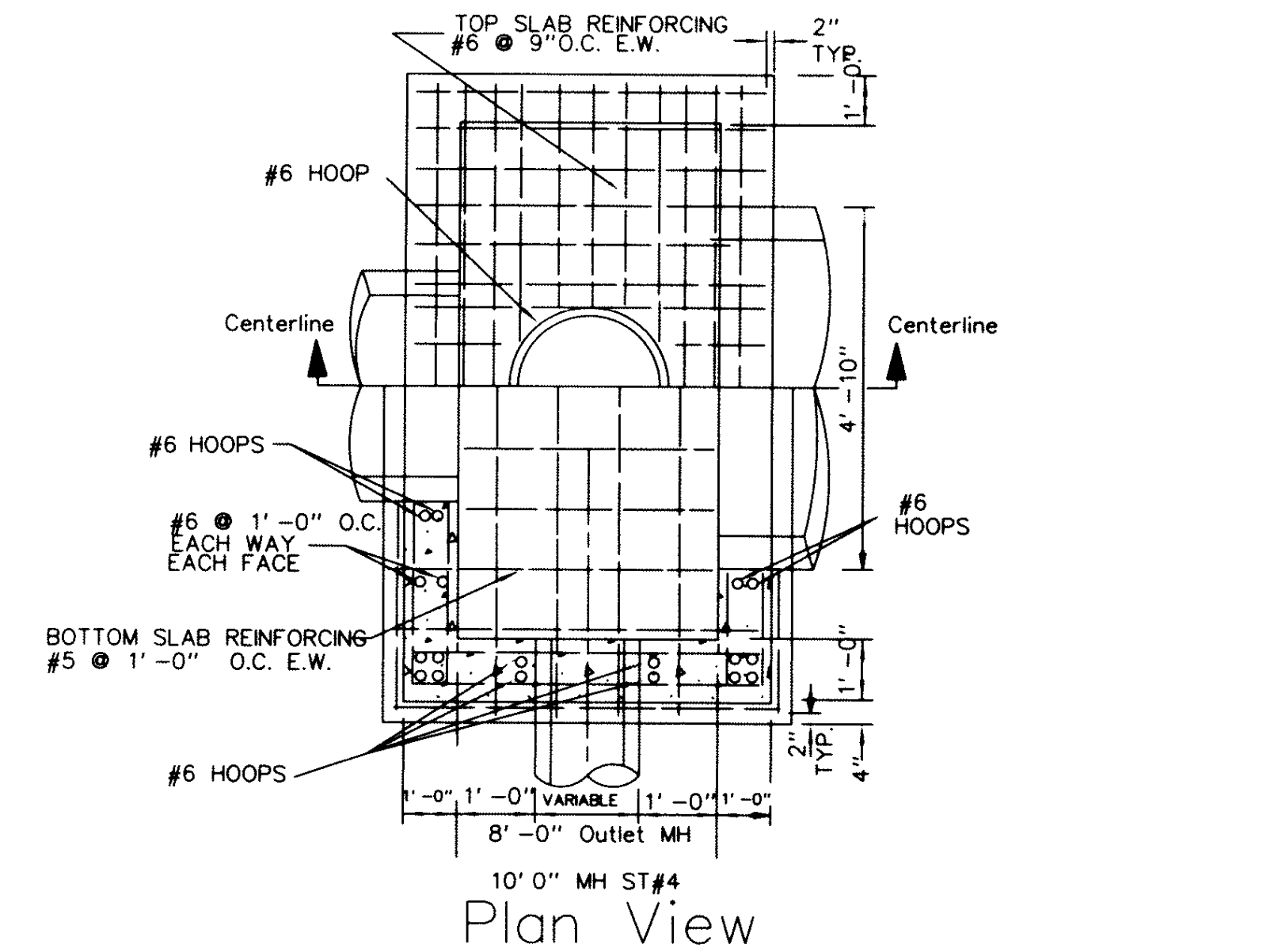
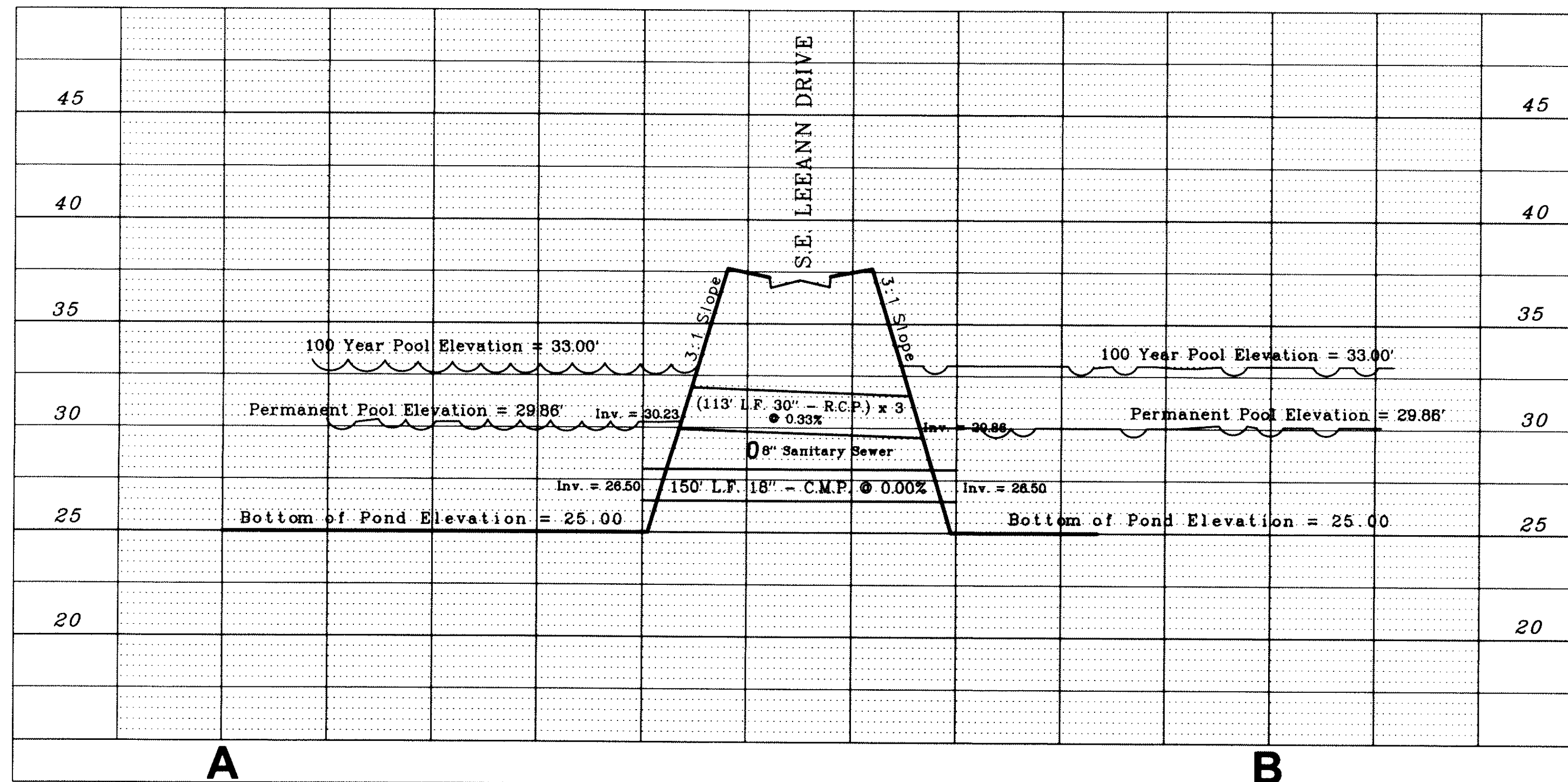
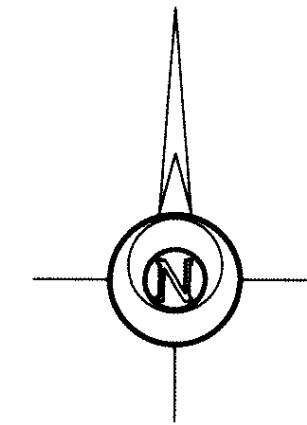
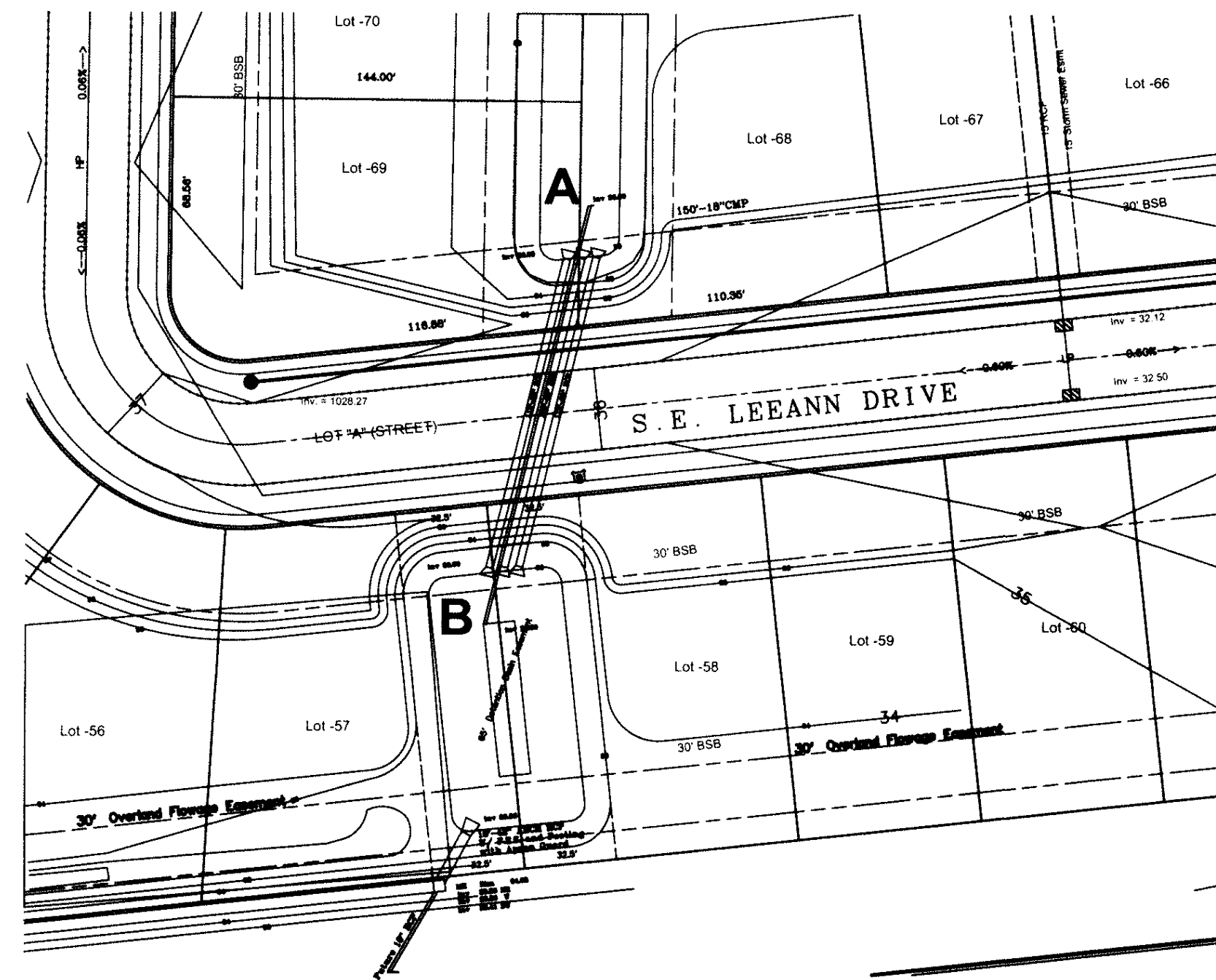
REVISIONS: 5-24-2005 - City of Waukegan

SCALE:
1" = 20'

COPYRIGHT DATE:
10-28-2004

DRAWN BY: V. Pelds

DRAWING NO.:
10652-16



MANHOLE ST#4 and SOUTH DISCHARGE MANHOLE DETAILS

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DES MOINES, IOWA 50306
FAX: (515) 268-2259

Surveyors Planners
Engineers

LEGEND:

STANDARD SYMBOLS:

- IRON ROD OR PIPE FOUND
- SET IRON ROD WITH #4640 CAP
- △ SECTION CORNER MONUMENT FOUND
- △ SECTION CORNER MONUMENT SET
- ⊙ POWER POLE
- ⊙ LIGHT POLE
- F.F. FINISHED FLOOR

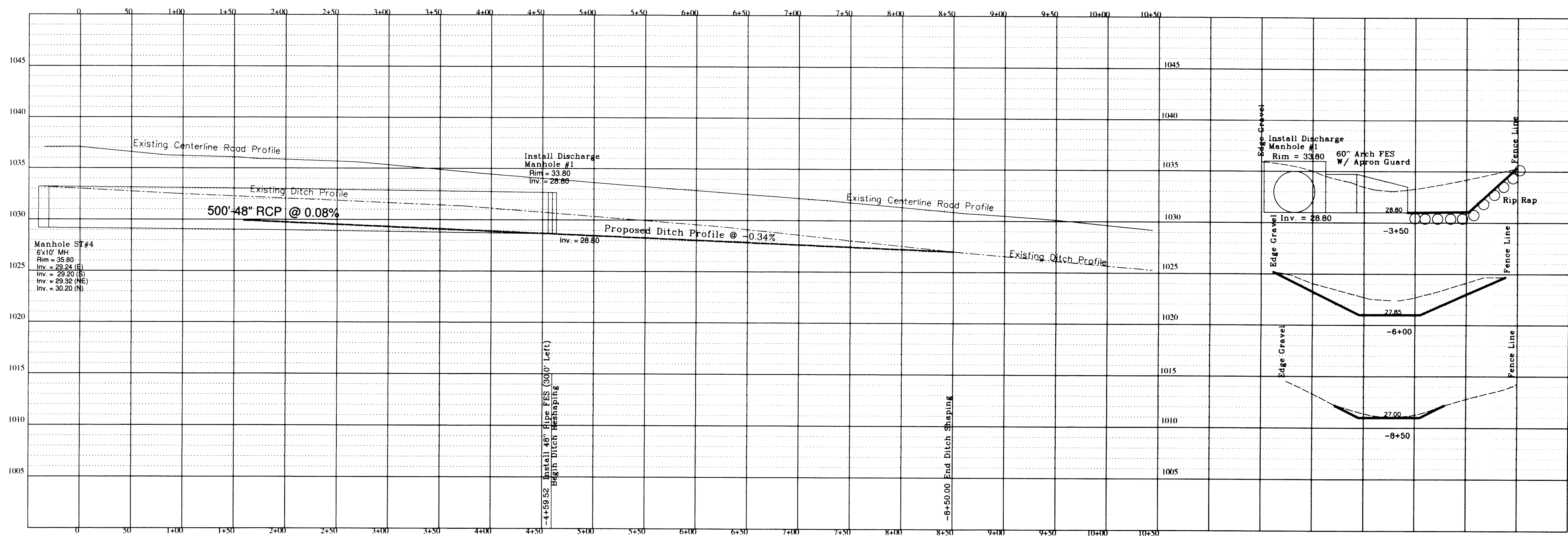
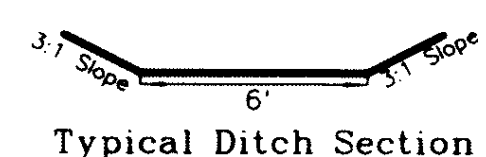
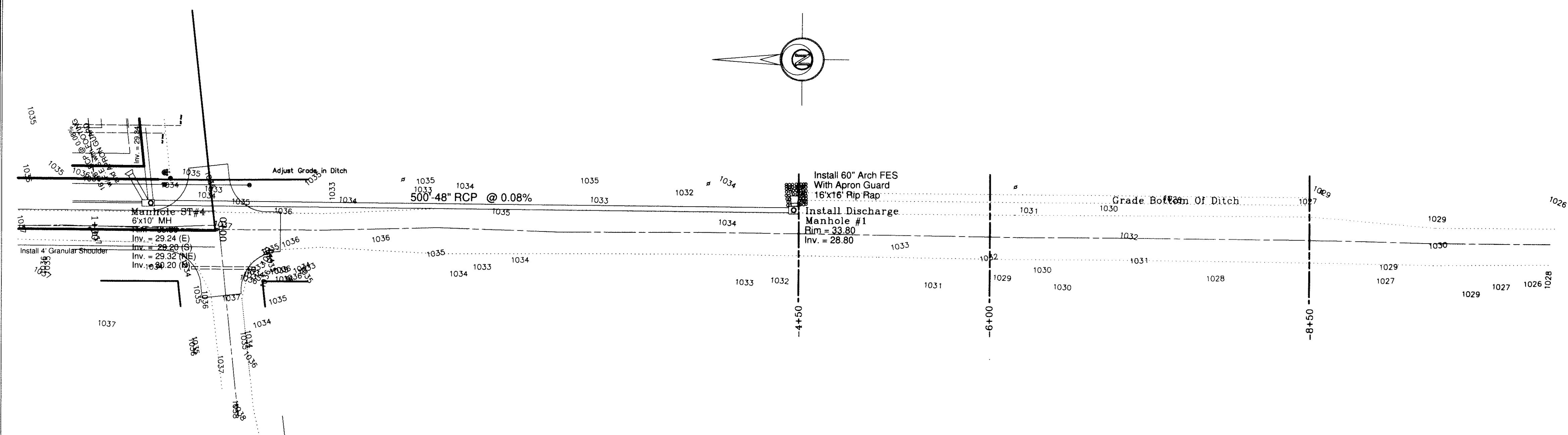
+/-
X X X
FENCE LINE
FIRE HYDRANT
MANHOLE
VALVE
125x3
N.T.S.
A.C.C./P.C.C.

MORE OR LESS
FENCE LINE
FIRE HYDRANT
MANHOLE
VALVE
SPOT ELEVATION (● x)
NOT TO SCALE
ASPHALTIC/PORTLAND CEMENT CONCRETE

---xxx--- UTILITY LINE OR PIPE
W WATER
G GAS
S SANITARY SEWER
ST STORM SEWER
UGE/T UNDERGROUND ELEC. / TEL.
OHE/T OVERHEAD ELEC. / TEL.
CATV CABLE TELEVISION

MISCELLANEOUS DETAILS SHEET - GRANT PARK

DATE: 4-03-2005	DESIGNED BY: V. Pelds	CHECKED BY: 10652-17
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STANDARD SYMBOLS:

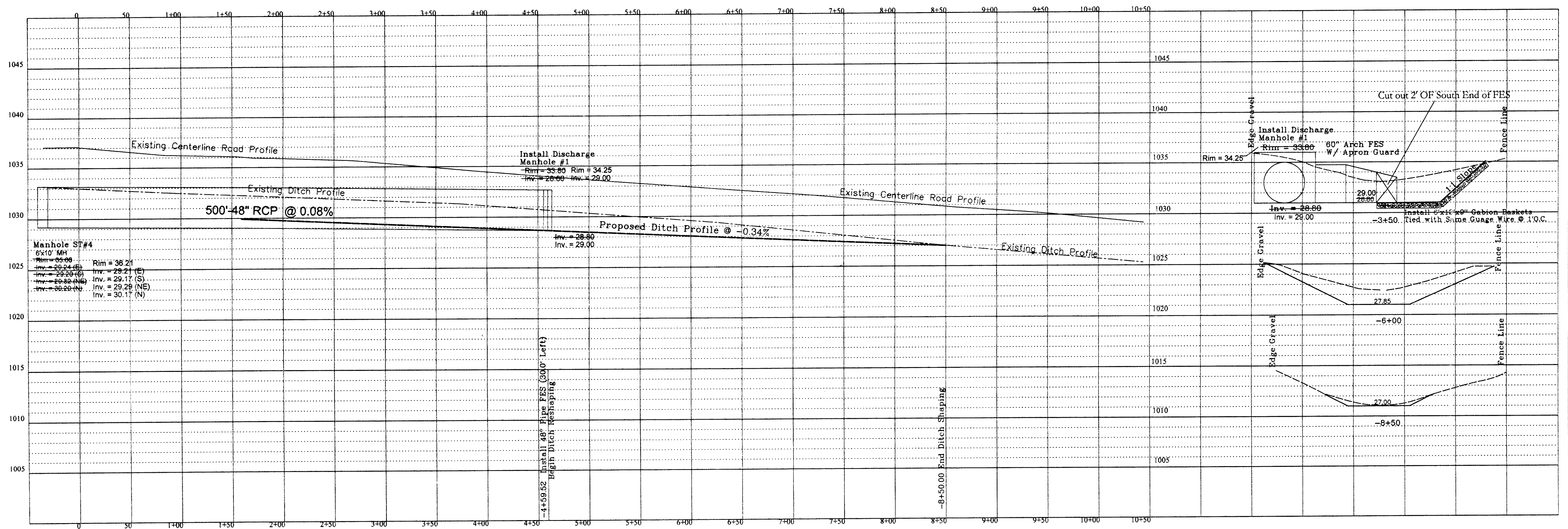
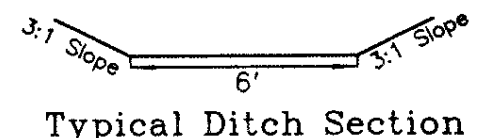
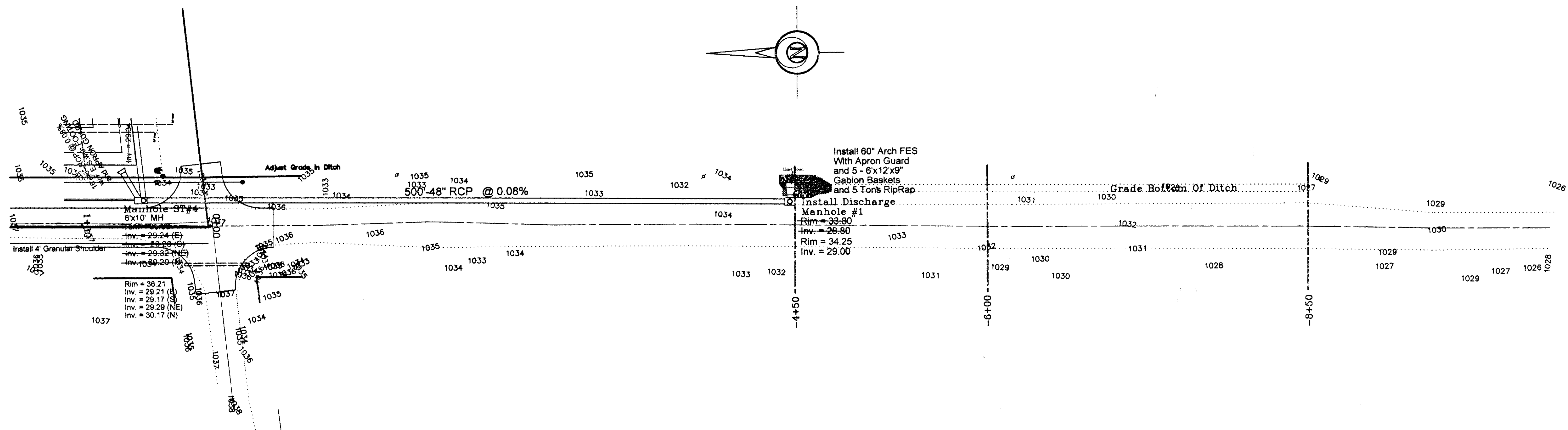
- IRON ROD OR PIPE FOUND
- SET IRON ROD WITH #4640 CAP
- △ SECTION CORNER MONUMENT FOUND
- △ SECTION CORNER MONUMENT SET
- ⊙ POWER POLE
- ⊙ LIGHT POLE
- FF. FINISHED FLOOR

- +/- MORE OR LESS
- FENCE LINE
- ⊙ FIRE HYDRANT
- MANHOLE
- VALVE
- 125x3 SPOT ELEVATION (⊙ x)
- N.T.S. NOT TO SCALE
- A.C.C./P.C.C. ASPHALTIC/PORTLAND CEMENT CONCRETE

- xx--- UTILITY LINE OR PIPE
- W WATER
- G GAS
- S SANITARY SEWER
- ST STORM SEWER
- UGE/T UNDERGROUND ELEC. / TEL.
- OHE/T OVERHEAD ELEC. / TEL.
- CATV CABLE TELEVISION

L.A. GRANT PARKWAY (SOUTH) STORM SEWER / DITCH PLAN AND PROFILE - GRANT PARK - AS BUILT

DATE: 5-23-2005 - Per Waukegan
DRAWN BY: V. Pelds
PROJECT NO.: 10652-18



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- △ SECTION CORNER MONUMENT SET
- ⊙ POWER POLE
- ⊙ LIGHT POLE
- F.F. FINISHED FLOOR

OTHER SYMBOLS:

- +/- MORE OR LESS
- x—x— FENCE LINE
- ⊙ FIRE HYDRANT
- ⊙ MANHOLE
- ⊙ VALVE
- 125x3 SPOT ELEVATION (⊙ x)
- N.T.S. NOT TO SCALE
- A.C.C./P.C.C. ASPHALTIC/PORTLAND CEMENT CONCRETE

UTILITY LINE OR PIPE:

- xxx— WATER
- w— GAS
- s— SANITARY SEWER
- st— STORM SEWER
- uge/t— UNDERGROUND ELEC. / TEL.
- ohe/t— OVERHEAD ELEC. / TEL.
- catv— CABLE TELEVISION

THE L.A. GRANT PARKWAY (SOUTH) STORM SEWER / DITCH PLAN AND PROFILE - GRANT PARK

AS BUILT

REVISION: 5-24-2005 - Per Waukegan 12-28-2005 - Elevation changes - EBH

SCALE: 1" = 5' Vert. 1" = 50' Horiz.

DESIGNED BY: V. Pelds **DRAWING NO.:** 10652-18

FILE PATH: S:\Wally\Kurt Brewer\Grant Park\As Built\Asbuilt - 11-07-2005\LA Grant South P&P-PG18rev