

# PLANS FOR NORTHVIEW DRIVE EXTENSION AND 6TH STREET IMPROVEMENTS WAUKEE, IOWA

# AS-Built

THE WAUKEE STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS, 2005  
SHALL APPLY TO CONSTRUCTION WORK ON THIS PROJECT  
EXCEPT AS MODIFIED HERE IN.

|                  |             |
|------------------|-------------|
| Start Date:      | 3/3/2009    |
| Completion Date: | 1/4/2010    |
| Contractor:      | Sternquist  |
| Subcontractor:   | Underground |

| NO. | DRAWING TITLE                      |
|-----|------------------------------------|
| 1   | INDEX AND TITLE SHEET              |
| 2   | VICINITY MAP AND LEGEND            |
| 3   | TYPICAL SECTIONS                   |
| 4   | WATER MAIN                         |
| 5   | WATER MAIN                         |
| 6   | WATER MAIN                         |
| 7   | WATER MAIN                         |
| 8   | WATER MAIN                         |
| 9   | WATER MAIN                         |
| 10  | WATER MAIN                         |
| 11  | PLAN AND PROFILE                   |
| 12  | PLAN AND PROFILE                   |
| 13  | PLAN AND PROFILE                   |
| 14  | PAVING / STORM                     |
| 15  | PAVING / STORM                     |
| 16  | PAVING / STORM                     |
| 17  | PAVING / STORM                     |
| 18  | WATER MAIN / SANITARY SEWER        |
| 19  | WATER MAIN / SANITARY SEWER        |
| 20  | PAVING / STORM                     |
| 21  | PAVING / STORM                     |
| 22  | PAVING / STORM                     |
| 23  | PAVING / STORM / WATER             |
| 24  | PAVING / STORM / WATER             |
| 25  | INTERSECTION DETAILS               |
| 26  | INTERSECTION DETAILS               |
| 27  | INTERSECTION DETAILS               |
| 28  | INTERSECTION DETAILS               |
| 29  | INTERSECTION DETAILS               |
| 30  | INTERSECTION DETAILS               |
| 31  | CROSS SECTIONS                     |
| 32  | CROSS SECTIONS                     |
| 33  | CROSS SECTIONS                     |
| 34  | CROSS SECTIONS                     |
| 35  | CROSS SECTIONS                     |
| 36  | CROSS SECTIONS                     |
| 37  | CROSS SECTIONS                     |
| 38  | CROSS SECTIONS                     |
| 39  | CROSS SECTIONS                     |
| 40  | CROSS SECTIONS                     |
| 41  | CROSS SECTIONS                     |
| 42  | CROSS SECTIONS                     |
| 43  | CROSS SECTIONS                     |
| 44  | CROSS SECTIONS                     |
| 45  | GRADING PLAN ALONG NORTHVIEW DRIVE |
| 46  | PLAN AND PROFILE OUTLET SWALE      |
| 47  | PAVEMENT MARKING PLAN              |
| 48  | TRAFFIC CONTROL                    |

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

**Signed** \_\_\_\_\_ **Date** \_\_\_\_\_

Date Feb 16, 2009

Mikelis Briedis, P.E.

Iowa License No. 7977

My license renewal date is December 31, 2009

Drawings covered by this seal:

|                      |                    |                  |                                                                                                                                                        |             |           |                              |            |
|----------------------|--------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|------------------------------|------------|
| <u>CONTROL POINT</u> | <u>COORDINATES</u> | <u>BENCHMARK</u> | <u>ELEVATION</u>                                                                                                                                       | <u>DATE</u> | REVISIONS | SCALE AS NOTED               |            |
|                      |                    |                  |                                                                                                                                                        |             |           | DRAWN B.J.L.                 |            |
|                      |                    |                  |                                                                                                                                                        |             |           | CHECKED J.K.                 |            |
|                      |                    |                  |                                                                                                                                                        |             |           | APPROVED M.B.                |            |
|                      |                    |                  |                                                                                                                                                        |             |           | DATE 2-12-09                 |            |
|                      |                    |                  |                                                                                                                                                        |             |           | A. C.                        |            |
|                      |                    |                  |                                                                   |             |           | <b>INDEX AND TITLE SHEET</b> | DWG. NO. 1 |
|                      |                    |                  | <b>VEENSTRA &amp; KIMM, INC.</b><br>3000 Westown Parkway • West Des Moines, Iowa 50266-1320<br>515-225-8000 • 515-225-7848 (FAX) • 800-241-8000 (NATS) |             |           |                              |            |
|                      |                    |                  |                                                                                                                                                        |             |           | PROJECT 275214               |            |

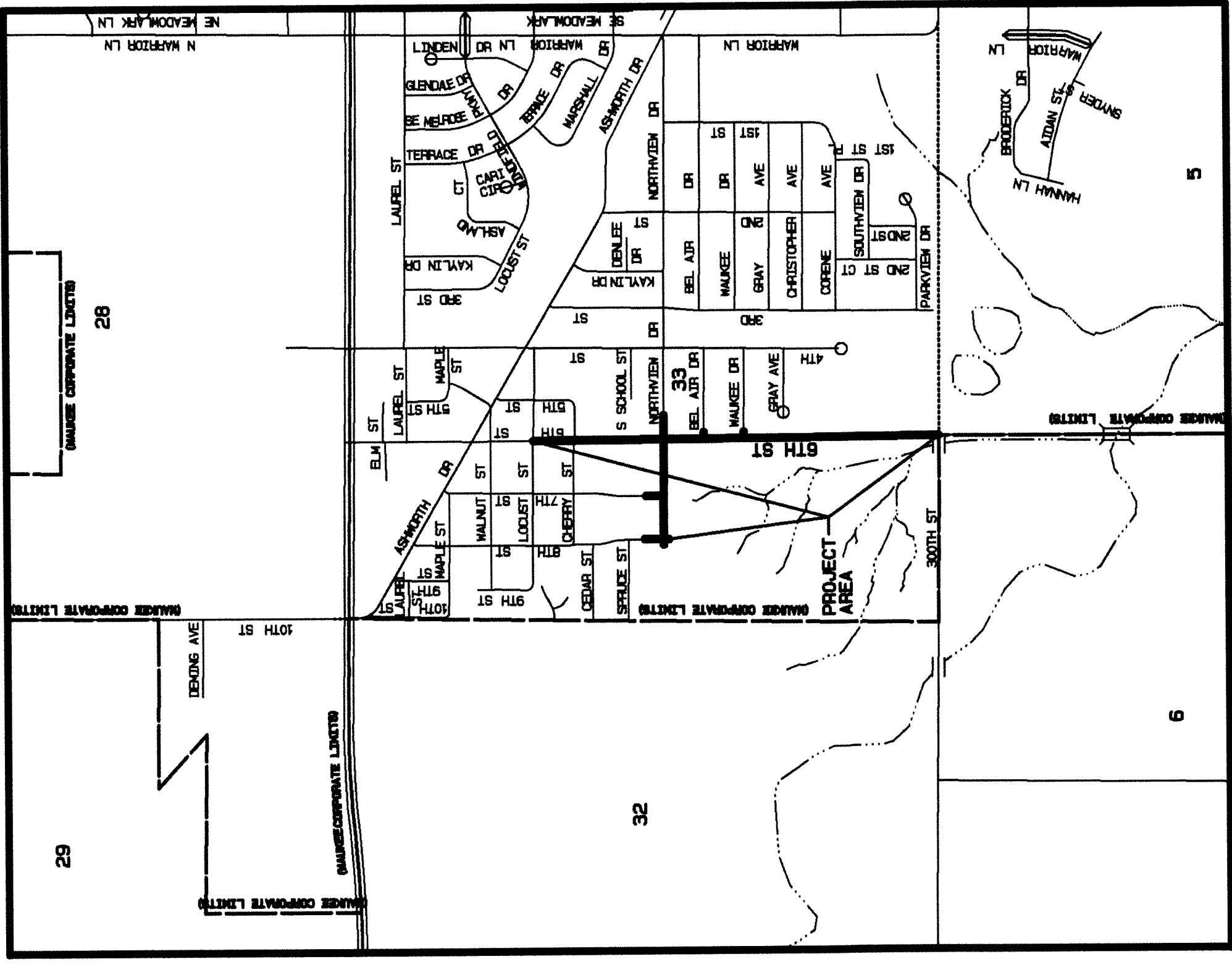


CONTROL POINTS

| CONTROL POINTS | COORDINATES                                                                                                             | ELEVATION  |
|----------------|-------------------------------------------------------------------------------------------------------------------------|------------|
| CP-100         | SET PK NAIL TOP OF CURB WEST SIDE 6TH STREET<br>15' ± EAST OF HYDRANT                                                   | EL=1028.20 |
| CP-101         | SET PK NAIL IN SIDEWALK 2 PANELS SOUTH OF NORTH<br>END OF SIDEWALK, 30' ± EAST OF 6TH STREET                            | EL=1021.80 |
| CP-102         | SET PK NAIL IN SIDEWALK 150' ± NORTH OF MAUKEE<br>AVE, 30' ± EAST OF 6TH ST                                             | EL=1016.85 |
| CP-103         | FOUND REBAR AT FIELD ENTRANCE 150' ± SOUTH OF MAUKEE<br>AVE, 3' ± SE OF BRACE POST, 30' ± WEST OF 6TH ST                | EL=1011.66 |
| CP-104         | SET REBAR WITH CAP 10' ± SOUTH OF NORTH ENTRANCE TO CEMETERY,<br>1' ± NORTH OF NORTH END OF FENCE, 30' ± EAST OF 6TH ST | EL=1013.31 |
| CP-105         | TOP OF BOLT ON SMALL BOX ON SOUTH SIDE<br>OF HYDRANT AT 6TH ST AND CHERRY ST                                            | EL=1031.84 |
| CP-106         | SET PK NAIL IN SIDEWALK NE CORNER OF 6TH STREET<br>AND WALNUT STREET                                                    | EL=1033.46 |
| CP-107         | FOUND PROPERTY PIN AT END OF 7TH STREET,<br>WEST R.O.M. AT FENCE LINE                                                   | EL=1029.78 |
| CP-108         | FOUND PROPERTY PTN AT LIFT STATION ON END OF<br>6TH STREET, WEST SIDE OF 6TH STREET                                     | EL=1030.97 |
| CP-109         | SET REBAR AT SOUTH END OF CHAIN LINK FENCE ON<br>WALKEE CEMETERY PROPERTY, EAST R.O.M. OF 6TH STREET                    | EL=1005.85 |
| CP-110         | SET REBAR AT POWER POLE NE CORNER<br>6TH STREET AND UNIVERSITY AVENUE                                                   | EL=993.05  |

BENCHMARKS

| BENCHMARKS | COORDINATES                                                                        | ELEVATION  |
|------------|------------------------------------------------------------------------------------|------------|
| BH-1       | CUT "X" ON SM BOLT OF HYDRANT, SE CORNER OF<br>MAUKEE AVENUE AND 6TH STREET        | EL=1018.89 |
| BH-2       | CUT "X" ON SM BOLT OF HYDRANT, SE CORNER OF<br>BEL AIR DRIVE AND 6TH STREET        | EL=1023.40 |
| BH-3       | CUT "X" ON SE BURY BOLT OF HYDRANT, SE CORNER<br>OF NORTHVIEW DRIVE AND 6TH STREET | EL=1027.33 |
| BH-4       | ARROW ON HYDRANT WEST SIDE OF 6TH STREET,<br>SE OF HOUSE #660 6TH STREET           | EL=1030.11 |



VICINITY MAP  
NOT TO SCALE

GENERAL LEGEND

| SYMBOL | DESCRIPTION                        |
|--------|------------------------------------|
|        | SURVEY LINE & STATION INDICATOR    |
|        | CONCRETE SURFACE                   |
|        | ASPHALT SURFACE                    |
|        | CONCRETE SURFACE W/ASPHALT OVERLAY |
|        | LOW GRADE ASPHALT SURFACE          |
|        | GRAVEL SURFACE                     |
|        | DIRT SURFACE                       |
|        | BRICK SURFACE                      |
|        | SURFACE REMOVAL/REPLACEMENT        |
|        | EARTH SECTION                      |
|        | NEW SEWER/WALL                     |
|        | NEW SEWER/VENT                     |
|        | NEW WATER MAIN                     |
|        | NEW HYDRANT                        |
|        | NEW WATER VALVE                    |
|        | EXISTING SANITARY SEWER AND SIZE   |
|        | EXISTING STORM SEWER AND SIZE      |
|        | EXISTING WATER MAIN AND SIZE       |
|        | EXISTING FORCE MAIN AND SIZE       |
|        | GAS MAIN AND SIZE                  |
|        | UNDERGROUND POWER LINE             |
|        | OVERHEAD POWER LINE                |
|        | UNDERGROUND TELEPHONE LINE         |
|        | CABLE TELEVISION LINE              |
|        | FIBER OPTICS                       |
|        | TOP OF EMBANKMENT                  |
|        | DRAINAGE COURSE                    |
|        | MANHOLE                            |
|        | CURB INTAKE                        |
|        | AREA OR RESERVOIR INTAKE           |
|        | EXISTING HYDRANT                   |
|        | EXISTING WATER VALVE               |
|        | GAS VALVE                          |
|        | POWER POLE                         |
|        | TELEPHONE POLE                     |
|        | STREET LIGHT                       |
|        | POLE W/ GUY ANCHOR                 |
|        | TRAFFIC SIGNALS                    |
|        | SIGN                               |
|        | TELEPHONE CABLE JUNCTION BOX       |
|        | PEDESTRIAN CONTROL LIGHT           |
|        | RAILROAD CONTROL LIGHT             |
|        | RAILROAD SIGN                      |
|        | UTILITY ACCESS COVER               |
|        | PARKING METER                      |
|        | TREE AND SIZE                      |
|        | EVERGREEN AND SIZE                 |
|        | STUMP AND SIZE                     |
|        | BUSH, SHRUB OR HEDGE               |

NOTE: THIS IS A GENERAL LEGEND. ITEMS MAY OR MAY NOT APPEAR ON DRAWINGS.

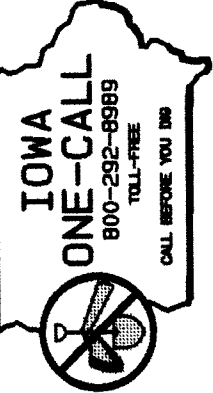
GENERAL NOTES

- ALL ELEVATIONS ARE TO CITY OF MAUKE DATUM.
- REMOVE AND RESET ALL EXISTING STREET SIGNS DIRECTED BY MAUKE CITY ENGINEER.
- SHARPEN ALL DITCHES TO DRAIN AFTER CONSTRUCTION.
- CONFIRM LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES AS REQUIRED TO ELIMINATE CONFLICTS PRIOR TO CONSTRUCTION. ALL UTILITIES OCCURRING AT THE SAME LOCATION DO NOT INTERFERE WITH EXISTING UTILITIES OR INDIVIDUAL SERVICES UNLESS DIRECTED BY ENGINEER. MAINTAIN EXISTING STORM SEWERS IN OPERATION AT ALL TIMES. EXISTING LINES SHOWN ON LOCATIONS OF CONSTRUCTION. ENGINEER WILL LOCATE CONSTRUCTION LIMITS IN FIELD. CONFINE ALL CONSTRUCTION OPERATIONS, INCLUDING ACCESS TO WORK, TO CONSTRUCTION LIMITS. SET MANHOLE COVERS FLUSH WITH PROPOSED GRADES UNLESS OTHERWISE NOTED.
- PROTECT ALL EXISTING UTILITIES. LONG CENTER LINE OF PAVEMENT, UNLESS OTHERWISE NOTED.
- PROTECT ALL EXISTING POLES, LINES AND APPURTENANCES NOT SHOWN FOR RELOCATION.
- RESET ALL EXISTING SIGNS AND SURVEYOR COST IS INDICATED TO CONSTRUCTION.
- PROTECT ALL SURFACING. NOT DAMAGED BY SHADING FOR REMOVAL AND REPLACEMENT FROM DAMAGE DURING CONSTRUCTION.
- THE CONTRACTOR SHALL COMPENSATE THE MAUKE CITY ENGINEER FOR ALL UTILITIES AFFECTING THE NEW WATER MAIN ALIGNMENT NEED TO BE SUPPORTED DURING CONSTRUCTION OR RELOCATED.
- VACATE EXISTING WATER MAIN SERVICES, VALVES, HYDRANTS, ETC. NO LONGER NEEDED WHEN NEW SYSTEM IS INSTALLED. OTHERWISE NOTED.
- LOCATE NEW CURB STOP 1 FOOT OFF PROPERTY LINE OR AS NOTED. NOTIFY ENGINEER OF ANY TILE LINES IN CONFLICT. REPAIR TILE LINES. ADJUST WATER MAIN DEPTH WHERE REQUIRED TO AVOID CONFLICTS.
- ONE WEEK PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY:
  - VEENSTRA & KIMM, INC.
- THE CONTRACTOR SHALL PROTECT AND BACKFILL AROUND ALL UTILITIES. BACKFILL SHALL BE IN 6-INCH LAYERS. COMPACT TO 95% STANDARD PROCTOR DENSITY. CONSTRUCTION ON PRIVATE PROPERTY: SEED ALL AREAS DISTURBED BY CONSTRUCTION WITHIN PUBLIC RIGHT OF WAY AND PUBLIC PROPERTY EXCEPT PROVIDE 500 BEHIND BACK OF WALK OR TRAIL.
- REMOVE, SALVAGE AND RESET EXISTING FENCES. RESET NEW FENCE ALONG CONSTRUCTION LIMITS THROUGH EXISTING RESIDENTIAL PROPERTIES WHERE EXISTING FENCES ARE REMOVED.
- COOPERATE WITH CONTRACTORS WORKING ON MAUKEE SCHOOL SITE.

PROTECTION OF VEGETATION

TREES AND OTHER VEGETATION WHICH MAY BE REMOVED ARE MARKED WITH AN "X" OVER THE APPROPRIATE SYMBOL. FOR EXAMPLE, "X" 12" INDICATES THE REMOVAL OF A 12" TREE. REPLACEMENT, BY CONTRACTOR, OF THESE ITEMS IS NOT REQUIRED.

TUNNEL, INSTALL TIGHT SHEETING, HAND EXCAVATE OR EMPLOY OTHER MEANS APPROVED BY ENGINEER TO PROTECT EXPOSED PORTIONS AND ROOT SYSTEMS OF TREES AND OTHER VEGETATION. NO EXCAVATION FOR THESE ITEMS SHALL BE PERMITTED WITHOUT WRITTEN SCHEDULED FOR REMOVAL ARE DAMAGED DURING CONSTRUCTION. REPLACE IN KIND AND SIZE AT NO COST TO CITY OR PROPERTY OWNER.

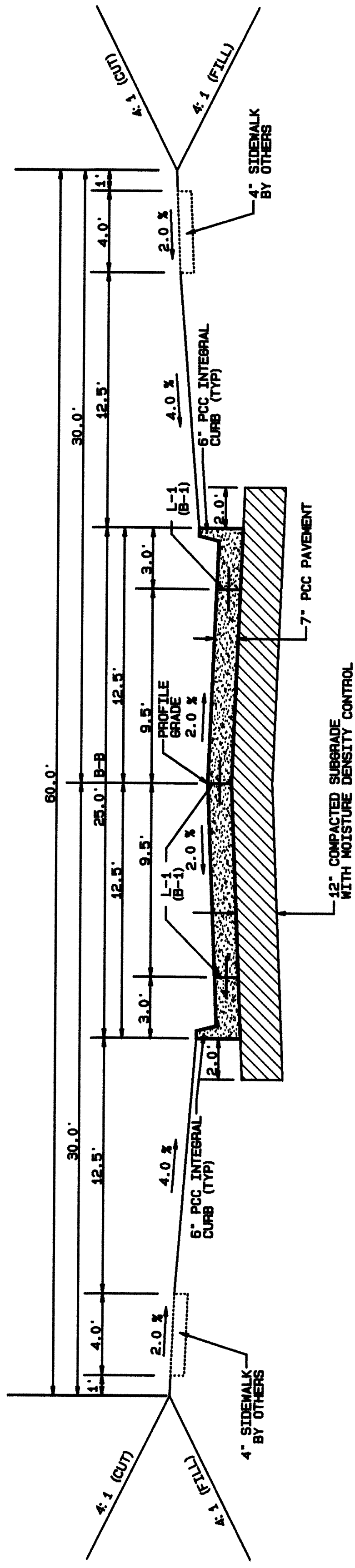
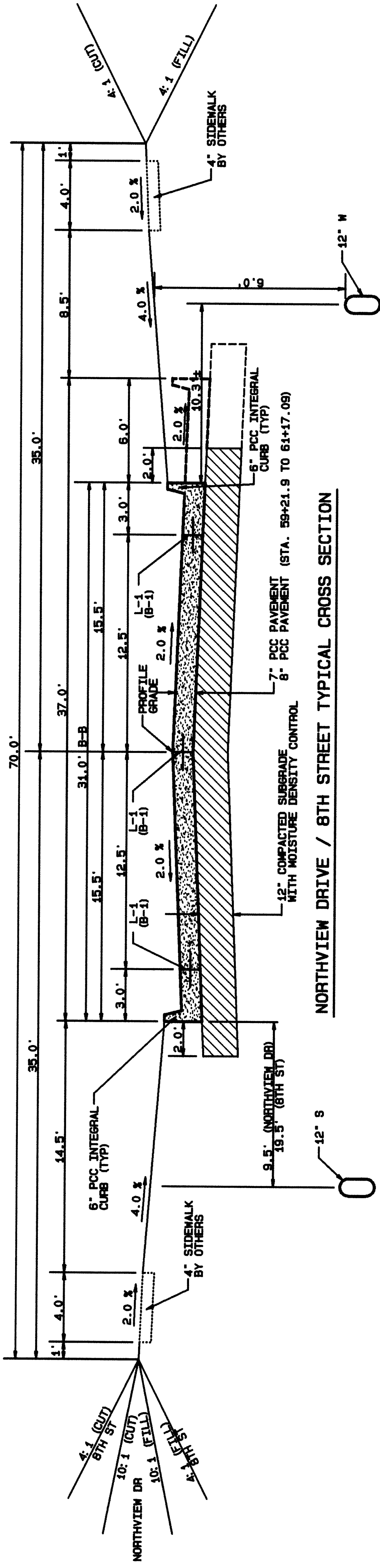
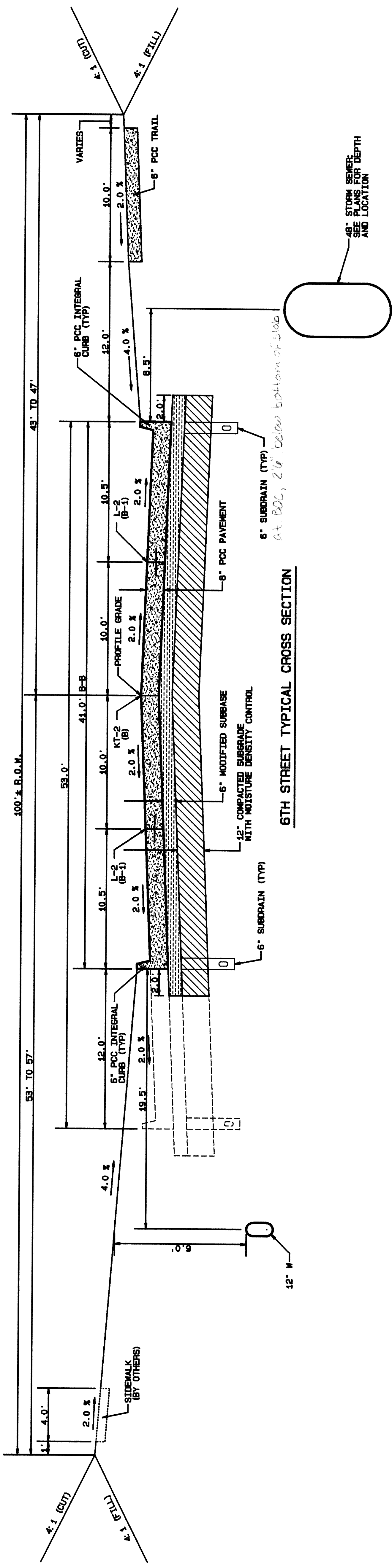


| CONTROL POINT | COORDINATES | BENCHMARK | ELEVATION | DATE    | REVISIONS                                     | SCALE | NONE | DWG. NO.       |
|---------------|-------------|-----------|-----------|---------|-----------------------------------------------|-------|------|----------------|
|               |             |           |           | 3-17-09 | REVISED ELEVATIONS OF CONTROLS AND BENCHMARKS | DRAIN | B.L. | 2              |
|               |             |           |           |         | CHECKED JK                                    |       |      | REV. 1         |
|               |             |           |           |         | APPROVED NS                                   |       |      | PROJECT 273214 |
|               |             |           |           |         | DATE 2-12-09                                  |       |      |                |
|               |             |           |           |         | A.C.                                          |       |      |                |



VEENSTRA & KIMM, INC.  
 3000 Westown Parkway • West Des Moines, Iowa 50266-1320  
 515-225-9000 • 515-225-7848 (FAX) • 800-241-9000 (NAT'L)



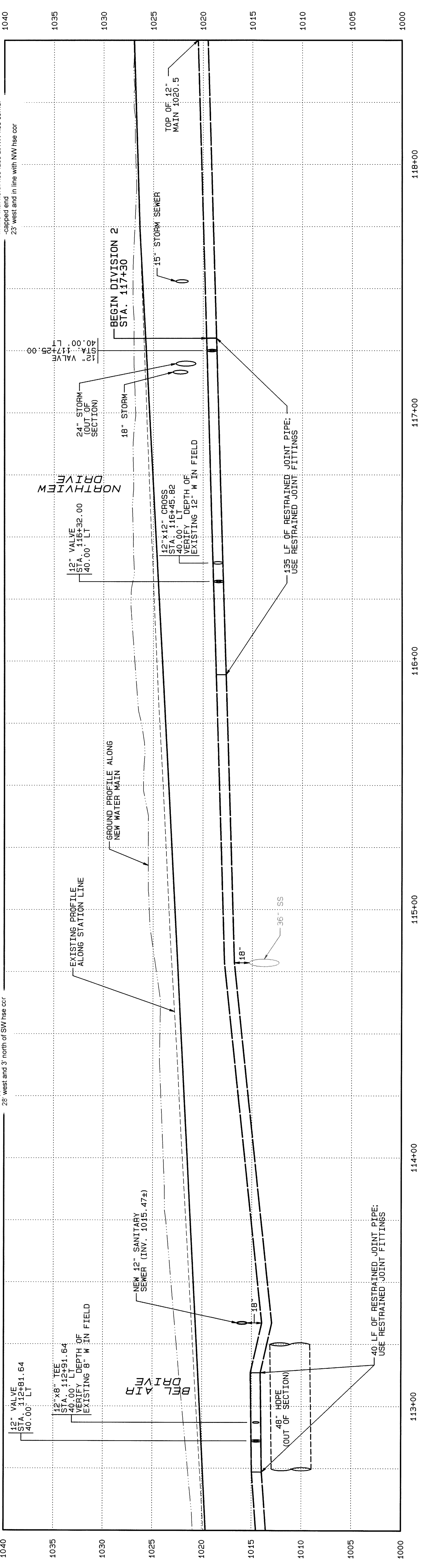
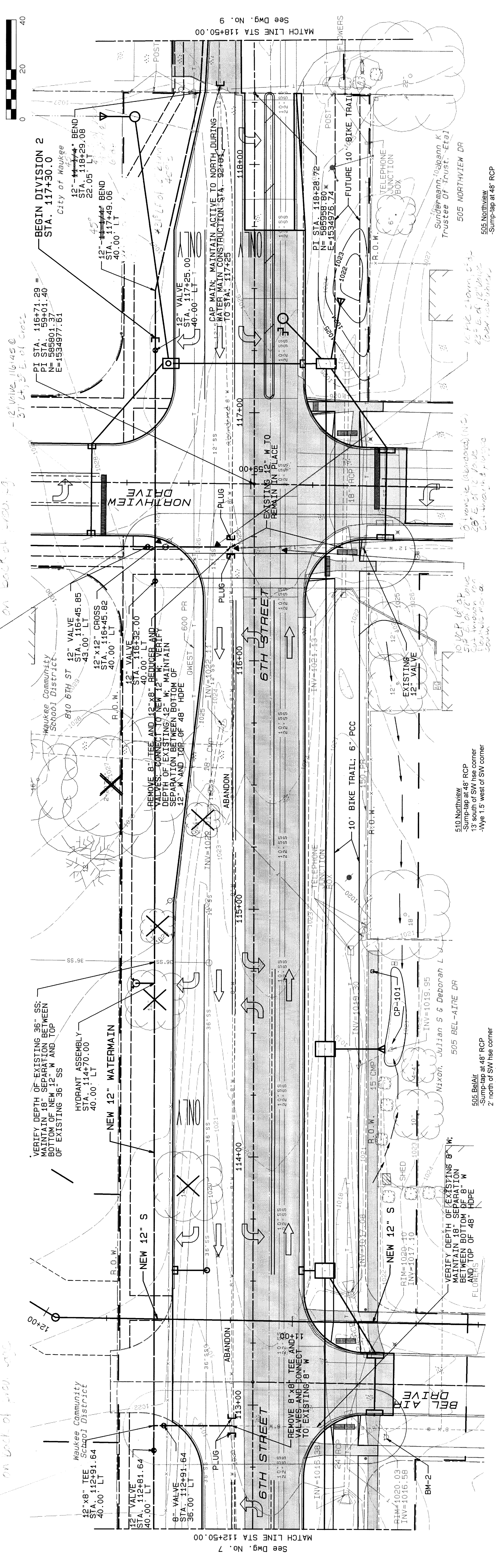
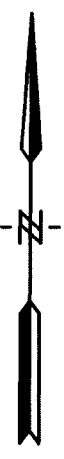


|               |             |           |           |                       |                                          |          |         |                                                                                                       |                  |                                                                                     |          |
|---------------|-------------|-----------|-----------|-----------------------|------------------------------------------|----------|---------|-------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------|----------|
| CONTROL POINT | COORDINATES | BENCHMARK | ELEVATION | DATE                  | REVISIONS                                |          | SCALE   | NONE                                                                                                  | TYPICAL SECTIONS |  | DNG. NO. |
|               |             |           |           | 3-17-09               | ADDED STATIONING NOTE 8TH STREET TYPICAL | DRAIN    | B.L.    |                                                                                                       |                  |                                                                                     |          |
|               |             |           |           |                       |                                          | CHECKED  | J.K.    |                                                                                                       |                  |                                                                                     |          |
|               |             |           |           |                       |                                          | APPROVED | M.B.    |                                                                                                       |                  |                                                                                     |          |
|               |             |           |           |                       |                                          | DATE     | 2-12-09 |                                                                                                       |                  |                                                                                     |          |
|               |             |           |           | A. C.                 |                                          |          |         |                                                                                                       |                  |                                                                                     |          |
|               |             |           |           | VEENSTRA & KIMM, INC. |                                          |          |         | 3000 Westdown Parkway • West Des Moines, Iowa 50266-1320<br>515-225-8000 (FAX) • 800-241-8000 (W/179) |                  |                                                                                     |          |
|               |             |           |           |                       |                                          |          |         | REV. 1<br>PROJECT 272814                                                                              |                  |                                                                                     |          |



\*See Tie-in Drawing  
on back of prev. page

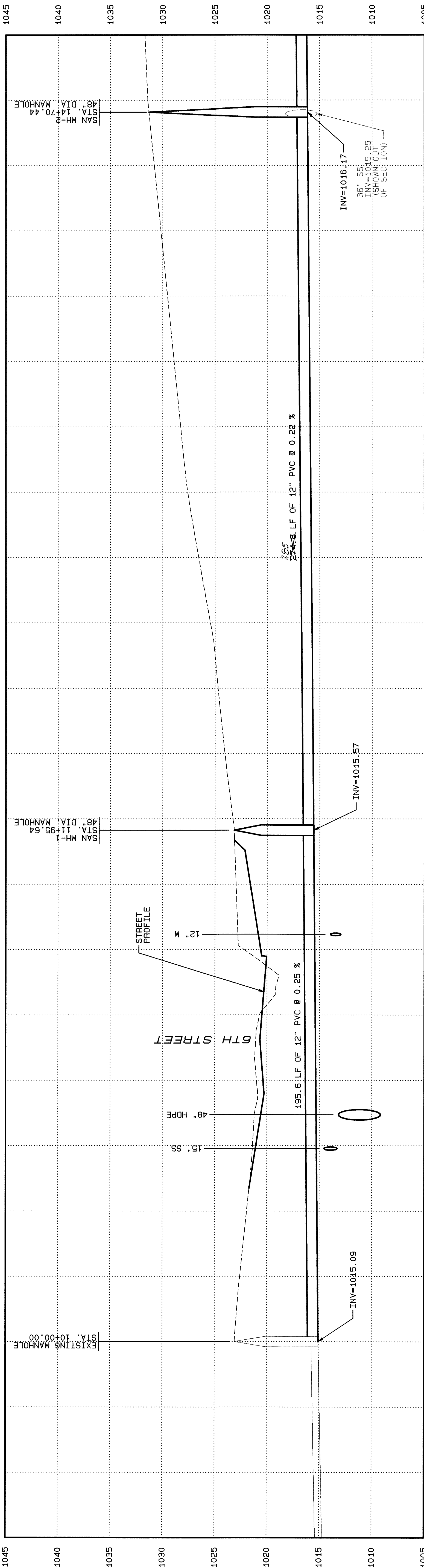
\*See Tie-in Drawing  
on back of prev. page



| CONTROL POINT | COORDINATES | BENCHMARK | ELEVATION | DATE | REVISIONS |         |          |         | SCALE: 1" = 20' | DWG. NO.                                                                                                           |  |  |  |
|---------------|-------------|-----------|-----------|------|-----------|---------|----------|---------|-----------------|--------------------------------------------------------------------------------------------------------------------|--|--|--|
|               |             |           |           |      | DRAWN     | CHECKED | APPROVED | DATE    |                 |                                                                                                                    |  |  |  |
|               |             |           |           |      | B.J.L.    | J.K.    | M.B.     | 2-12-09 |                 | WATER MAIN<br>6TH STREET                                                                                           |  |  |  |
|               |             |           |           |      |           |         |          |         |                 | VEENSTRA & KIMM, INC.                                                                                              |  |  |  |
|               |             |           |           |      |           |         |          |         |                 | 3000 Westown Parkway • West Des Moines, Iowa 50266-1320<br>315-223-8000 • 315-223-7848 (FAX) • 800-241-8000 (NATS) |  |  |  |
|               |             |           |           |      |           |         |          |         |                 | PROJECT 275214                                                                                                     |  |  |  |

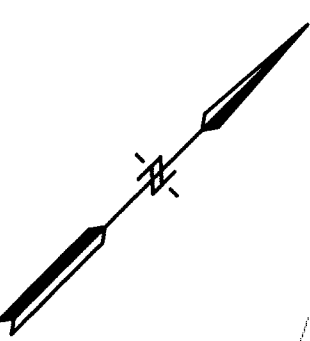


1. SOD AREAS DISTURBED BY CONSTRUCTION ON PRIVATE PROPERTY. SEED AREAS DISTURBED BY CONSTRUCTION WITHIN PUBLIC RIGHT OF WAY.
2. SEED AREAS DISTURBED BY CONSTRUCTION ACROSS WAUKEE COMMUNITY SCHOOL DISTRICT PROPERTY.

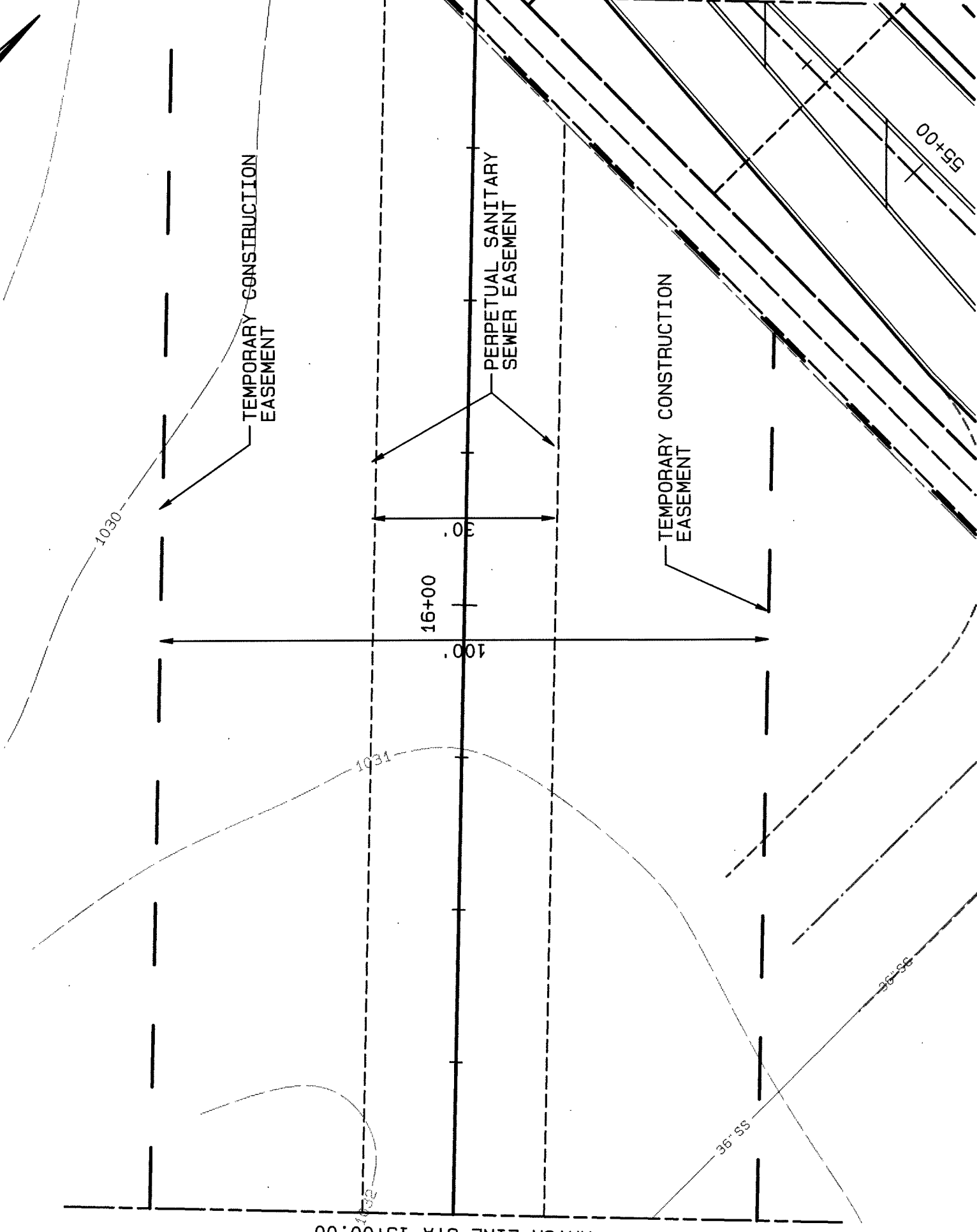


|                                                                                                                                                                                                                                                                                                                    |  |             |  |           |  |           |  |      |  |           |  |                        |  |               |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|--|-----------|--|-----------|--|------|--|-----------|--|------------------------|--|---------------|--|
| CONTROL POINT                                                                                                                                                                                                                                                                                                      |  | COORDINATES |  | BENCHMARK |  | ELEVATION |  | DATE |  | REVISIONS |  | SCALE: HORIZ. 1" = 50' |  | VERT. 1" = 5' |  |
|                                                                                                                                                                                                                                                                                                                    |  |             |  |           |  |           |  |      |  |           |  | DRAWN                  |  | BUL           |  |
|                                                                                                                                                                                                                                                                                                                    |  |             |  |           |  |           |  |      |  |           |  | CHECKED                |  | JK            |  |
|                                                                                                                                                                                                                                                                                                                    |  |             |  |           |  |           |  |      |  |           |  | APPROVED               |  | MB            |  |
|                                                                                                                                                                                                                                                                                                                    |  |             |  |           |  |           |  | DATE |  | 2-12-09   |  |                        |  |               |  |
|                                                                                                                                                                                                                                                                                                                    |  |             |  |           |  |           |  |      |  |           |  | A. C.                  |  |               |  |
| <div> <div>  </div> <div> <b>VEENSTRA &amp; KIMM, INC.</b><br/>           3000 Westtown Parkway • West Des Moines, Iowa 50266-1320<br/>           515-225-8000 • 515-225-7848 (FAX) • 800-241-8000 (NATS)         </div> </div> |  |             |  |           |  |           |  |      |  |           |  |                        |  |               |  |
| <div> <div> <b>PLAN AND PROFILE</b><br/> <b>SANITARY SEWER</b> </div> <div> <b>11</b> </div> </div>                                                                                                                                                                                                                |  |             |  |           |  |           |  |      |  |           |  |                        |  |               |  |
| <div> <div>           DWG. NO.         </div> <div>           PROJECT 275214         </div> </div>                                                                                                                                                                                                                 |  |             |  |           |  |           |  |      |  |           |  |                        |  |               |  |

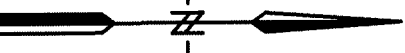




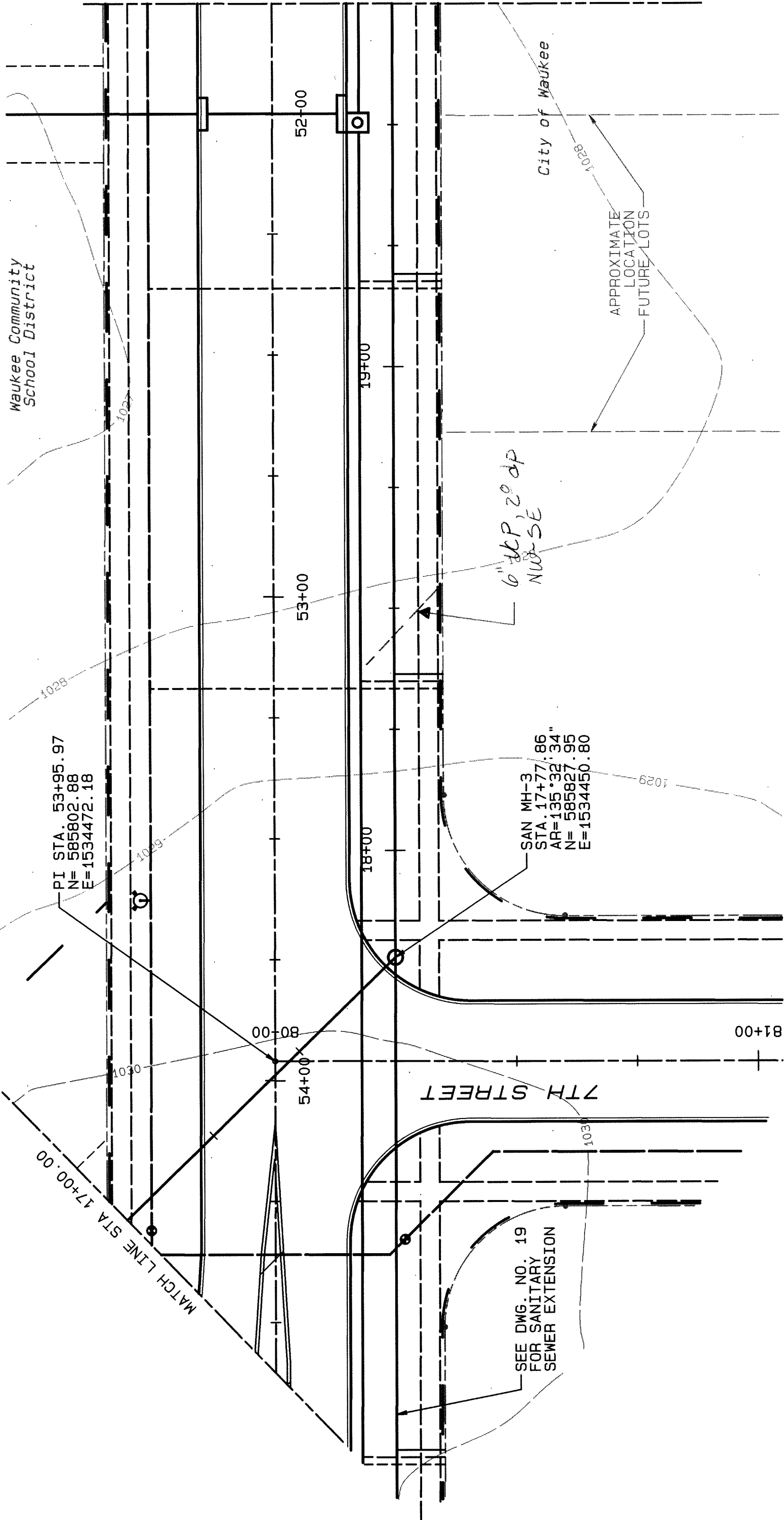
See Dwg. No. 11  
MATCH LINE STA 15+00.00



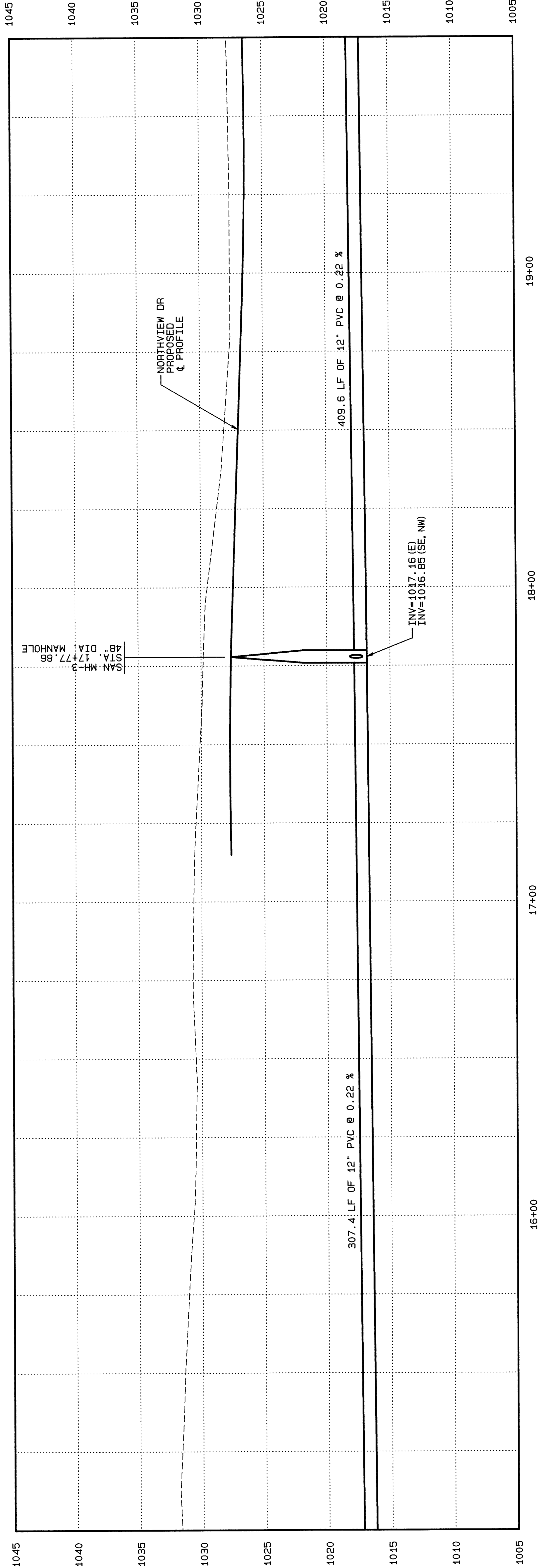
MATCH LINE STA 17+00.00



- NOTES:
- SOD AREAS DISTURBED BY CONSTRUCTION ON PRIVATE PROPERTY. SEED AREAS DISTURBED BY CONSTRUCTION WITHIN PUBLIC RIGHT OF WAY.
  - SEED AREAS DISTURBED BY CONSTRUCTION ACROSS WAUKEE COMMUNITY SCHOOL DISTRICT PROPERTY.



See Dwg. No. 13  
MATCH LINE STA 19+75.00



CONTROL POINT

COORDINATES

BENCHMARK

ELEVATION

DATE

REVISIONS

|          |          |          |
|----------|----------|----------|
| SCALE    | VERT.    | HORIZ.   |
| 1" = 20' | 1" = 20' | 1" = 20' |
| DRAWN    | BUL      |          |
| CHECKED  | JK       |          |
| APPROVED | MB       |          |
| DATE     | 2-12-09  |          |
| A.C.     |          |          |



VEENSTRA & KIMM, INC.

3000 Westown Parkway • West Des Moines, Iowa 50266-1320  
515-225-8000 • 515-225-7848 (FAX) • 800-241-8000 (WATS)

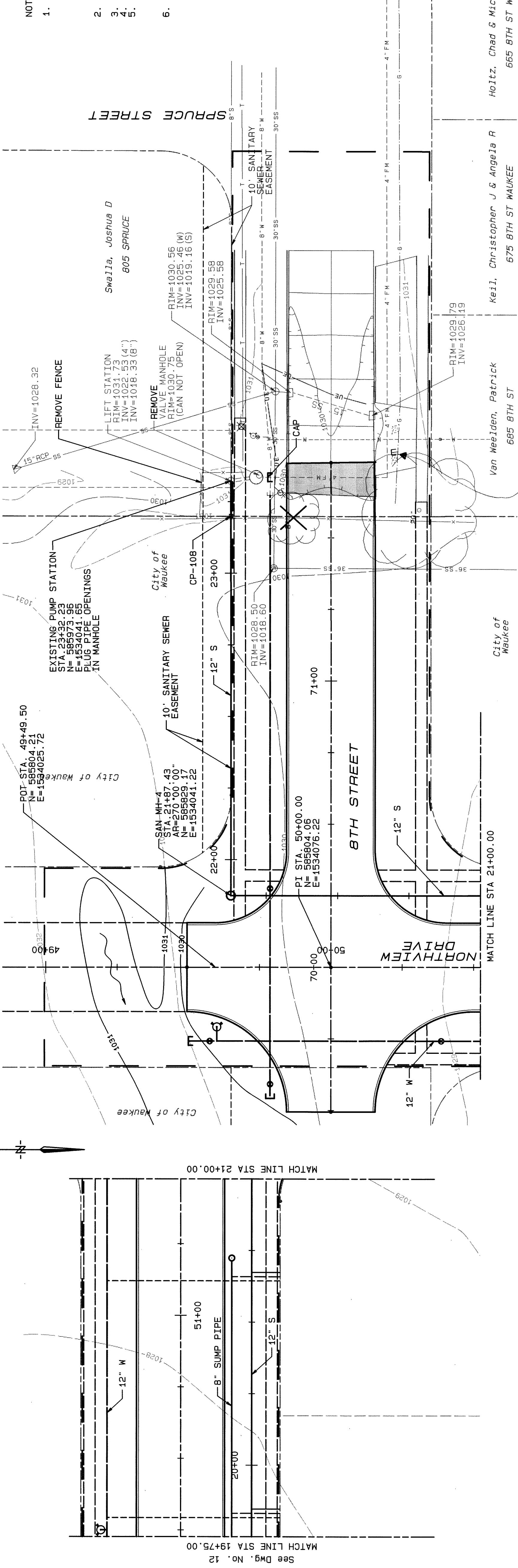
PLAN AND PROFILE  
SANITARY SEWER

DWG. NO.

12

PROJECT 275214





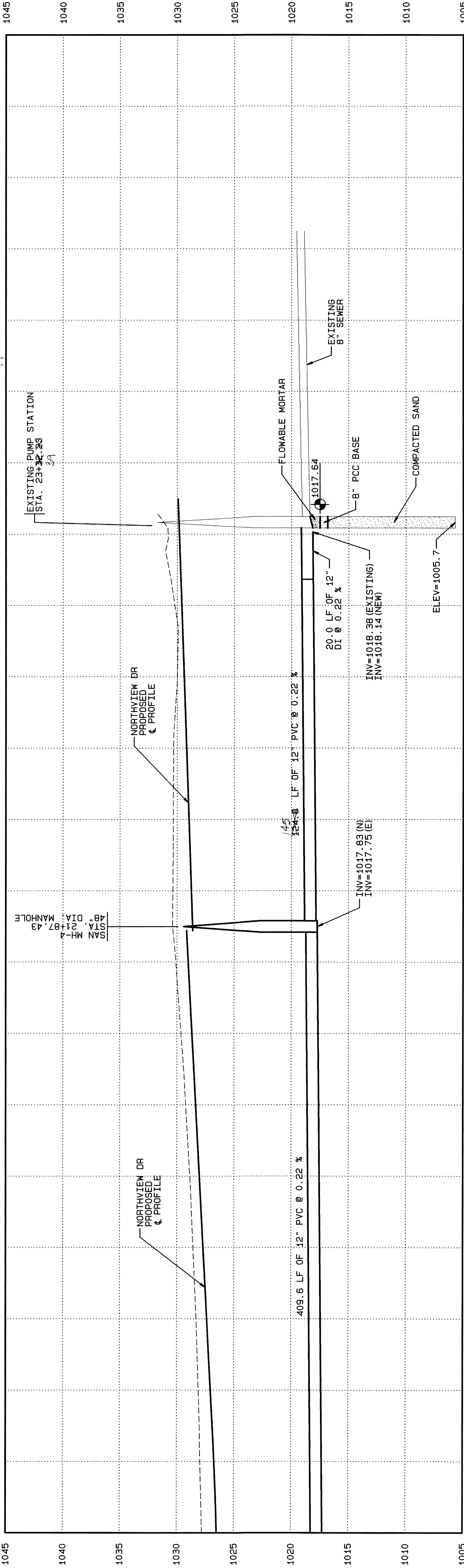
- NOTES:
1. REMOVE PUMPS AND APPURTENANCES FROM LIFT STATION WET WELL. PLUG PIPE OPENINGS IN WET WELL (MANHOLE). FILL MANHOLE WITH SAND AND COMPACT. INSTALL 8" PCC BASE TO ELEVATION SHOWN ON PLAN.
  2. REMOVE GENERATOR, POWER POLE, METER, AUTO DIALER AND TRANSFER SWITCH.
  3. REMOVE VALVE MANHOLE AND PIPING.
  4. REMOVE FENCE.
  5. VERIFY WITH CITY OF LIFT STATION APPURTENANCES TO BE SALVAGED FOR CITY. SUBJECT TO EXISTING LIFT STATION NOT RESTORE SITE AND SOD AREA DISTURBED BY CONSTRUCTION ON PRIVATE PROPERTY. SEED AREA WITHIN PUBLIC. R.O.W.

4" FM - plugged & removed thru M  
was in exist M @ 5' & Cherry  
Shot off pipe and removed top 2' of  
manhole and build

CHERRY STREET

665 8TH ST WAUKEE  
Holitz, Chad & Michelle JTRS

Abandoned 4" FM Valve  
@ S. Edge Carl Cap +  
on W. Side of #740  
Cherry driveway

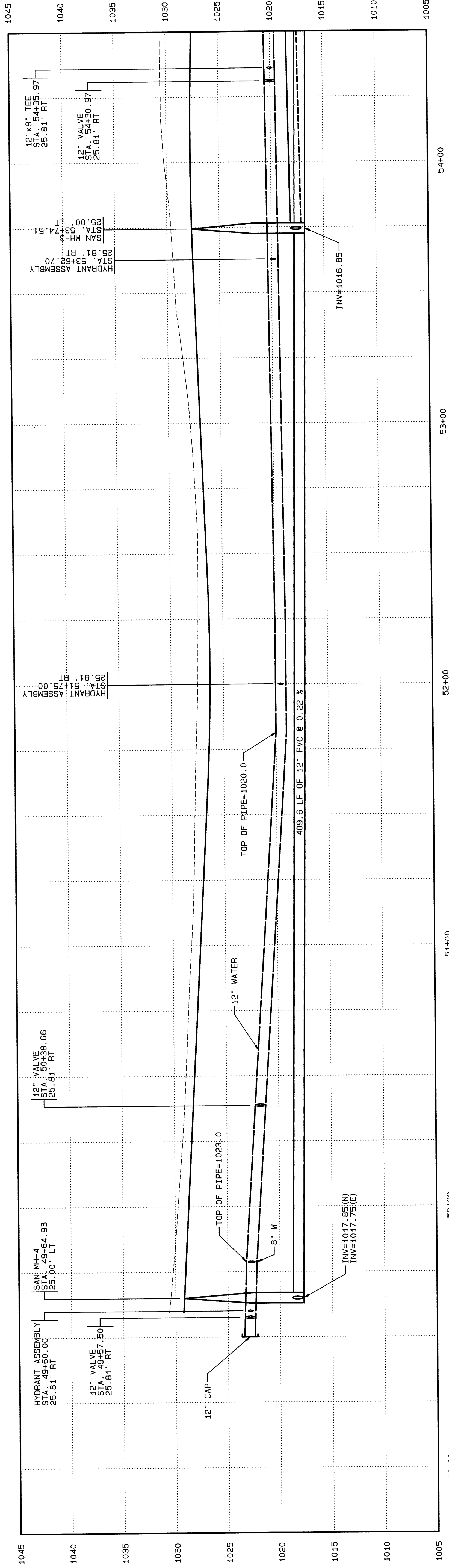
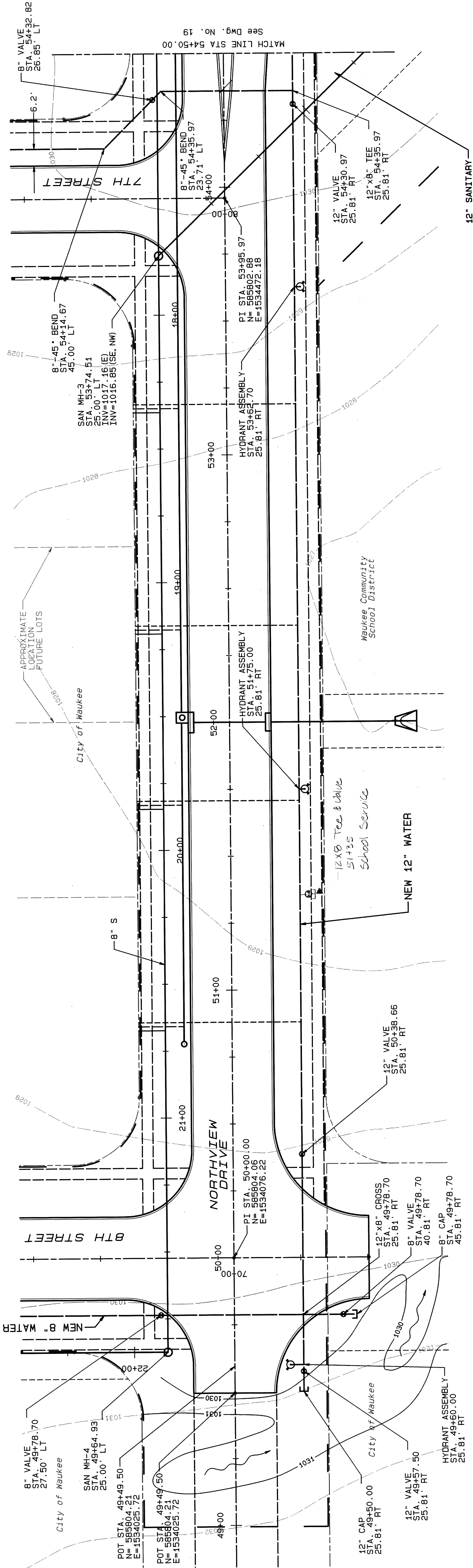
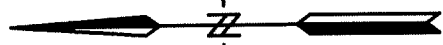


|               |  |             |  |           |  |           |  |      |  |           |  |                |  |          |  |
|---------------|--|-------------|--|-----------|--|-----------|--|------|--|-----------|--|----------------|--|----------|--|
| CONTROL POINT |  | COORDINATES |  | BENCHMARK |  | ELEVATION |  | DATE |  | REVISIONS |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  | SCALE 1"=1'-0" |  | DWG. NO. |  |
|               |  |             |  |           |  |           |  |      |  |           |  |                |  |          |  |



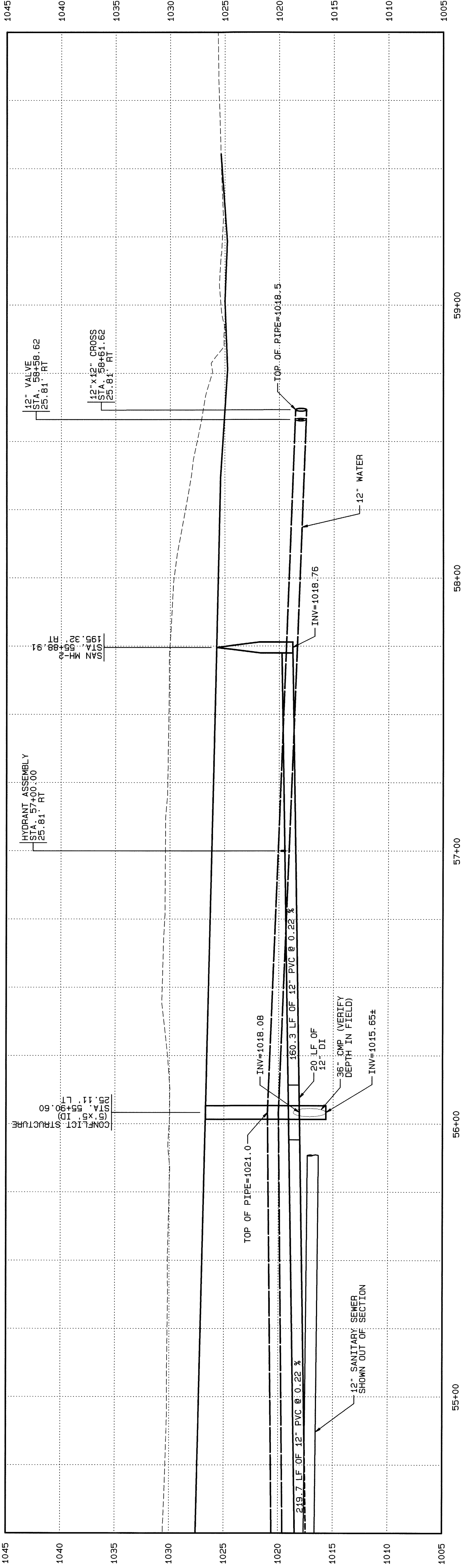
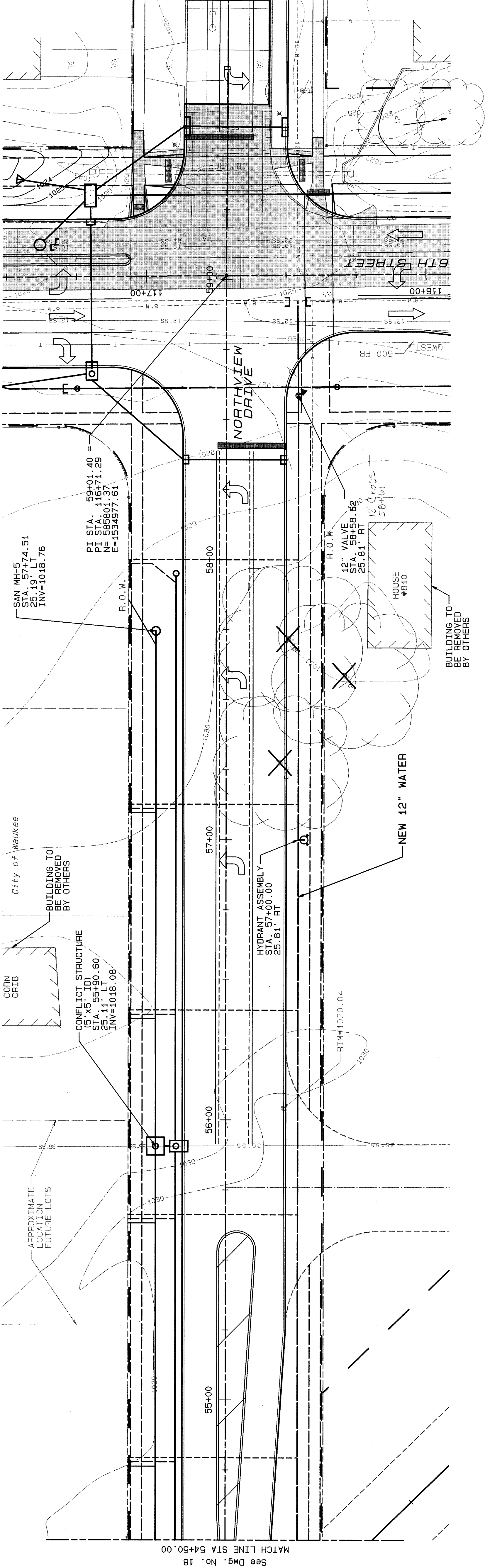
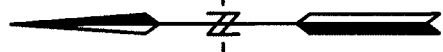






|                      |  |                    |  |                  |  |                  |  |             |                  |  |                                                  |                 |                                                                                      |  |                                                              |                                                                                                                                                            |                 |                |  |  |
|----------------------|--|--------------------|--|------------------|--|------------------|--|-------------|------------------|--|--------------------------------------------------|-----------------|--------------------------------------------------------------------------------------|--|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|--|--|
| <u>CONTROL POINT</u> |  | <u>COORDINATES</u> |  | <u>BENCHMARK</u> |  | <u>ELEVATION</u> |  | <u>DATE</u> | <u>REVISIONS</u> |  | <u>SCALE</u><br>HORIZ. 1" = 20'<br>VERT. 1" = 5' |                 |  |  | <u>WATER MAIN / SANITARY SEWER</u><br><u>NORTHVIEW DRIVE</u> |                                                                                                                                                            | <u>DWG. NO.</u> |                |  |  |
|                      |  |                    |  |                  |  |                  |  |             |                  |  |                                                  | <u>DRAWN</u>    | <u>BUIL</u>                                                                          |  |                                                              | <b>VEENSTRA &amp; KIMM, INC.</b><br><br>3000 Westown Parkway • West Des Moines, Iowa 50266-1320<br>515-225-8000 • 515-225-7848 (FAX) • 800-241-8000 (NATS) |                 | PROJECT 275214 |  |  |
|                      |  |                    |  |                  |  |                  |  |             |                  |  |                                                  | <u>CHECKED</u>  | <u>JK</u>                                                                            |  |                                                              |                                                                                                                                                            |                 |                |  |  |
|                      |  |                    |  |                  |  |                  |  |             |                  |  |                                                  | <u>APPROVED</u> | <u>MB</u>                                                                            |  |                                                              |                                                                                                                                                            |                 |                |  |  |
|                      |  |                    |  |                  |  |                  |  |             |                  |  |                                                  | <u>DATE</u>     | <u>2-12-09</u>                                                                       |  |                                                              |                                                                                                                                                            |                 |                |  |  |
|                      |  |                    |  |                  |  |                  |  |             |                  |  |                                                  | <u>A. C.</u>    |                                                                                      |  |                                                              |                                                                                                                                                            |                 |                |  |  |





|               |  |             |  |           |  |           |  |      |  |           |  |                                            |  |                                                                                     |  |                                                |  |                                                                                                                    |  |
|---------------|--|-------------|--|-----------|--|-----------|--|------|--|-----------|--|--------------------------------------------|--|-------------------------------------------------------------------------------------|--|------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|--|
| CONTROL POINT |  | COORDINATES |  | BENCHMARK |  | ELEVATION |  | DATE |  | REVISIONS |  | SCALE<br>HORIZ. 1" = 20'<br>VERT. 1" = 20' |  |  |  | WATER MAIN / SANITARY SEWER<br>NORTHVIEW DRIVE |  | DWG. NO.                                                                                                           |  |
|               |  |             |  |           |  |           |  |      |  |           |  | DRAWN                                      |  | BUL                                                                                 |  |                                                |  |                                                                                                                    |  |
|               |  |             |  |           |  |           |  |      |  |           |  | CHECKED                                    |  | JK                                                                                  |  |                                                |  |                                                                                                                    |  |
|               |  |             |  |           |  |           |  |      |  |           |  | APPROVED                                   |  | MB                                                                                  |  |                                                |  |                                                                                                                    |  |
|               |  |             |  |           |  |           |  |      |  |           |  | DATE                                       |  | 2-12-09                                                                             |  |                                                |  |                                                                                                                    |  |
|               |  |             |  |           |  |           |  |      |  |           |  | A. C.                                      |  |                                                                                     |  |                                                |  |                                                                                                                    |  |
|               |  |             |  |           |  |           |  |      |  |           |  |                                            |  |                                                                                     |  | <b>VEENSTRA &amp; KIMM, INC.</b>               |  | 3000 Westown Parkway • West Des Moines, Iowa 50266-1320<br>515-225-8000 • 515-225-7848 (FAX) • 800-241-8000 (NATS) |  |
|               |  |             |  |           |  |           |  |      |  |           |  |                                            |  |                                                                                     |  |                                                |  | PROJECT 275214                                                                                                     |  |

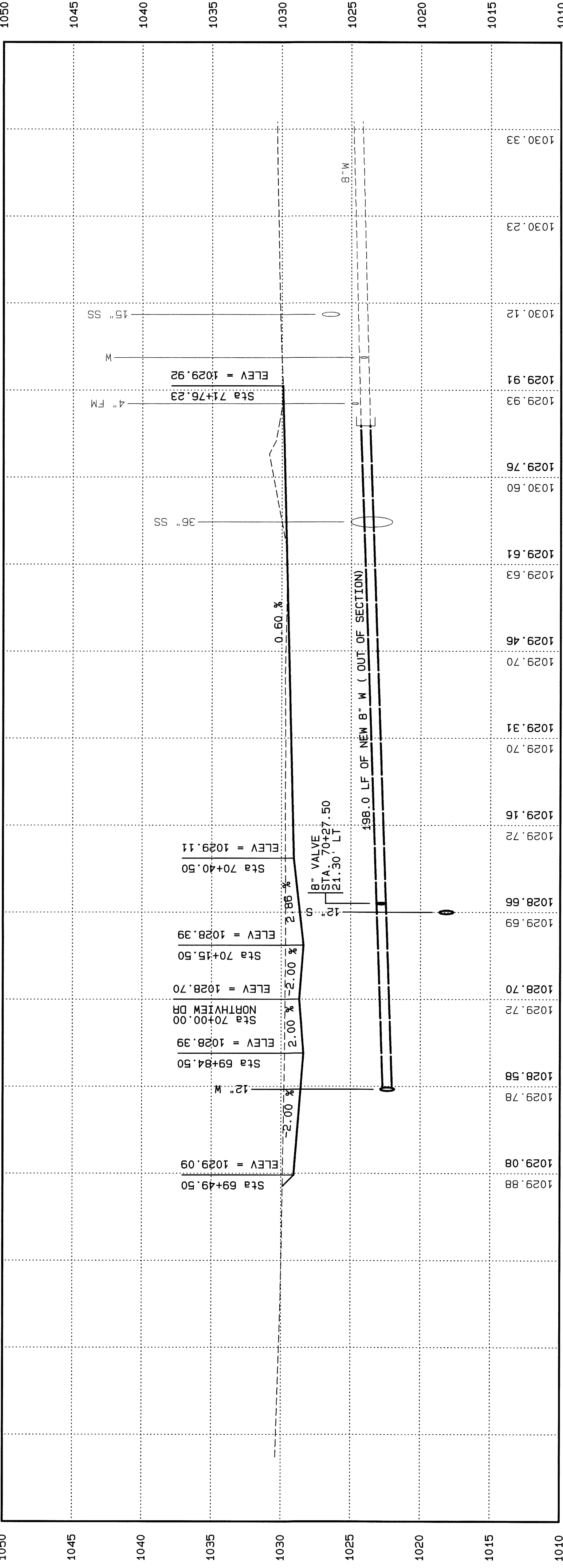
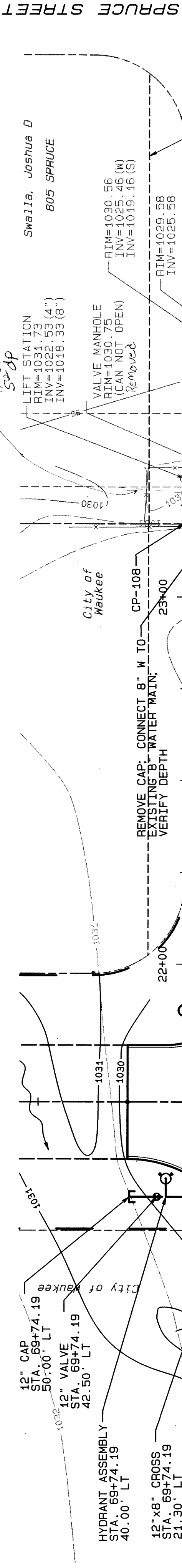






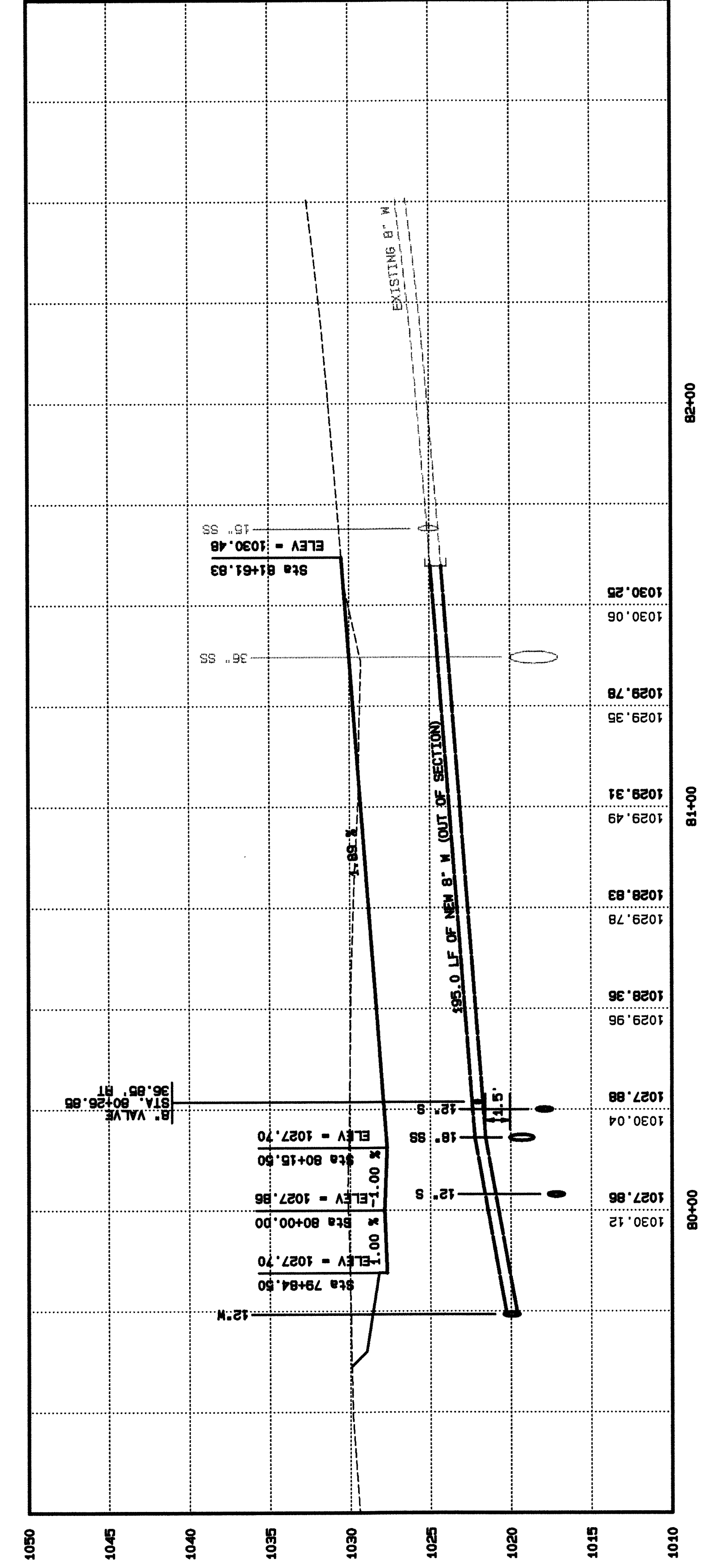






|               |             |  |           |           |      |           |                 |                 |                 |                 |                 |                 |                 |                 |                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |                   |              |
|---------------|-------------|--|-----------|-----------|------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------|
| CONTROL POINT | COORDINATES |  | BENCHMARK | ELEVATION | DATE | REVISIONS | SCALE<br>1"=10' | SCALE<br>1"=20' | SCALE<br>1"=30' | SCALE<br>1"=40' | SCALE<br>1"=50' | SCALE<br>1"=60' | SCALE<br>1"=70' | SCALE<br>1"=80' | SCALE<br>1"=90' | SCALE<br>1"=100' | SCALE<br>1"=110' | SCALE<br>1"=120' | SCALE<br>1"=130' | SCALE<br>1"=140' | SCALE<br>1"=150' | SCALE<br>1"=160' | SCALE<br>1"=170' | SCALE<br>1"=180' | SCALE<br>1"=190' | SCALE<br>1"=200' | SCALE<br>1"=220' | SCALE<br>1"=240' | SCALE<br>1"=260' | SCALE<br>1"=280' | SCALE<br>1"=300' | SCALE<br>1"=320' | SCALE<br>1"=340' | SCALE<br>1"=360' | SCALE<br>1"=380' | SCALE<br>1"=400' | SCALE<br>1"=420' | SCALE<br>1"=440' | SCALE<br>1"=460' | SCALE<br>1"=480' | SCALE<br>1"=500' | SCALE<br>1"=520' | SCALE<br>1"=540' | SCALE<br>1"=560' | SCALE<br>1"=580' | SCALE<br>1"=600' | SCALE<br>1"=620' | SCALE<br>1"=640' | SCALE<br>1"=660' | SCALE<br>1"=680' | SCALE<br>1"=700' | SCALE<br>1"=720' | SCALE<br>1"=740' | SCALE<br>1"=760' | SCALE<br>1"=780' | SCALE<br>1"=800' | SCALE<br>1"=820' | SCALE<br>1"=840' | SCALE<br>1"=860' | SCALE<br>1"=880' | SCALE<br>1"=900' | SCALE<br>1"=920' | SCALE<br>1"=940' | SCALE<br>1"=960' | SCALE<br>1"=980' | SCALE<br>1"=1000' | SCALE<br>1"=1020' | SCALE<br>1"=1040' | SCALE<br>1"=1060' | SCALE<br>1"=1080' | SCALE<br>1"=1100' | SCALE<br>1"=1120' | SCALE<br>1"=1140' | SCALE<br>1"=1160' | SCALE<br>1"=1180' | SCALE<br>1"=1200' | SCALE<br>1"=1220' | SCALE<br>1"=1240' | SCALE<br>1"=1260' | SCALE<br>1"=1280' | SCALE<br>1"=1300' | SCALE<br>1"=1320' | SCALE<br>1"=1340' | SCALE<br>1"=1360' | SCALE<br>1"=1380' | SCALE<br>1"=1400' | SCALE<br>1"=1420' | SCALE<br>1"=1440' | SCALE<br>1"=1460' | SCALE<br>1"=1480' | SCALE<br>1"=1500' | SCALE<br>1"=1520' | SCALE<br>1"=1540' | SCALE<br>1"=1560' | SCALE<br>1"=1580' | SCALE<br>1"=1600' | SCALE<br>1"=1620' | SCALE<br>1"=1640' | SCALE<br>1"=1660' | SCALE<br>1"=1680' | SCALE<br>1"=1700' | SCALE<br>1"=1720' | SCALE<br>1"=1740' | SCALE<br>1"=1760' | SCALE<br>1"=1780' | SCALE<br>1"=1800' | SCALE<br>1"=1820' | SCALE<br>1"=1840' | SCALE<br>1"=1860' | SCALE<br>1"=1880' | SCALE<br>1"=1900' | SCALE<br>1"=1920' | SCALE<br>1"=1940' | SCALE<br>1"=1960' | SCALE<br>1"=1980' | SCALE<br>1"=2000' | SCALE<br>1"=2020' | SCALE<br>1"=2040' | SCALE<br>1"=2060' | SCALE<br>1"=2080' | SCALE<br>1"=2100' | SCALE<br>1"=2120' | SCALE<br>1"=2140' | SCALE<br>1"=2160' | SCALE<br>1"=2180' | SCALE<br>1"=2200' | SCALE<br>1"=2220' | SCALE<br>1"=2240' | SCALE<br>1"=2260' | SCALE<br>1"=2280' | SCALE<br>1"=2300' | SCALE<br>1"=2320' | SCALE<br>1"=2340' | SCALE<br>1"=2360' | SCALE<br>1"=2380' | SCALE<br>1"=2400' | SCALE<br>1"=2420' | SCALE<br>1"=2440' | SCALE<br>1"=2460' | SCALE<br>1"=2480' | SCALE<br>1"=2500' | SCALE<br>1"=2520' | SCALE<br>1"=2540' | SCALE<br>1"=2560' | SCALE<br>1"=2580' | SCALE<br>1"=2600' | SCALE<br>1"=2620' | SCALE<br>1"=2640' | SCALE<br>1"=2660' | SCALE<br>1"=2680' | SCALE<br>1"=2700' | SCALE<br>1"=2720' | SCALE<br>1"=2740' | SCALE<br>1"=2760' | SCALE<br>1"=2780' | SCALE<br>1"=2800' | SCALE<br>1"=2820' | SCALE<br>1"=2840' | SCALE<br>1"=2860' | SCALE<br>1"=2880' | SCALE<br>1"=2900' | SCALE<br>1"=2920' | SCALE<br>1"=2940' | SCALE<br>1"=2960' | SCALE<br>1"=2980' | SCALE<br>1"=3000' | SCALE<br>1"=3020' | SCALE<br>1"=3040' | SCALE<br>1"=3060' | SCALE<br>1"=3080' | SCALE<br>1"=3100' | SCALE<br>1"=3120' | SCALE<br>1"=3140' | SCALE<br>1"=3160' | SCALE<br>1"=3180' | SCALE<br>1"=3200' | SCALE<br>1"=3220' | SCALE<br>1"=3240' | SCALE<br>1"=3260' | SCALE<br>1"=3280' | SCALE<br>1"=3300' | SCALE<br>1"=3320' | SCALE<br>1"=3340' | SCALE<br>1"=3360' | SCALE<br>1"=3380' | SCALE<br>1"=3400' | SCALE<br>1"=3420' | SCALE<br>1"=3440' | SCALE<br>1"=3460' | SCALE<br>1"=3480' | SCALE<br>1"=3500' | SCALE<br>1"=3520' | SCALE<br>1"=3540' | SCALE<br>1"=3560' | SCALE<br>1"=3580' | SCALE<br>1"=3600' | SCALE<br>1"=3620' | SCALE<br>1"=3640' | SCALE<br>1"=3660' | SCALE<br>1"=3680' | SCALE<br>1"=3700' | SCALE<br>1"=3720' | SCALE<br>1"=3740' | SCALE<br>1"=3760' | SCALE<br>1"=3780' | SCALE<br>1"=3800' | SCALE<br>1"=3820' | SCALE<br>1"=3840' | SCALE<br>1"=3860' | SCALE<br>1"=3880' | SCALE<br>1"=3900' | SCALE<br>1"=3920' | SCALE<br>1"=3940' | SCALE<br>1"=3960' | SCALE<br>1"=3980' | SCALE<br>1"=4000' | SCALE<br>1"=4020' | SCALE<br>1"=4040' | SCALE<br>1"=4060' | SCALE<br>1"=4080' | SCALE<br>1"=4100' | SCALE<br>1"=4120' | SCALE<br>1"=4140' | SCALE<br>1"=4160' | SCALE<br>1"=4180' | SCALE<br>1"=4200' | SCALE<br>1"=4220' | SCALE<br>1"=4240' | SCALE<br>1"=4260' | SCALE<br>1"=4280' | SCALE<br>1"=4300' | SCALE<br>1"=4320' | SCALE<br>1"=4340' | SCALE<br>1"=4360' | SCALE<br>1"=4380' | SCALE<br>1"=4400' | SCALE<br>1"=4420' | SCALE<br>1"=4440' | SCALE<br>1"=4460' | SCALE<br>1"=4480' | SCALE<br>1"=4500' | SCALE<br>1"=4520' | SCALE<br>1"=4540' | SCALE<br>1"=4560' | SCALE<br>1"=4580' | SCALE<br>1"=4600' | SCALE<br>1"=4620' | SCALE<br>1"=4640' | SCALE<br>1"=4660' | SCALE<br>1"=4680' | SCALE<br>1"=4700' | SCALE<br>1"=4720' | SCALE<br>1"=4740' | SCALE<br>1"=4760' | SCALE<br>1"=4780' | SCALE<br>1"=4800' | SCALE<br>1"=4820' | SCALE<br>1"=4840' | SCALE<br>1"=4860' | SCALE<br>1"=4880' | SCALE<br>1"=4900' | SCALE<br>1"=4920' | SCALE<br>1"= |
|---------------|-------------|--|-----------|-----------|------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------|





- 645 7th St.
- $\frac{3}{4}$ " PVC (N/S), tied onto and plugged to north
- Tie-in  $28^{\circ}$  E. of E. BOC in line with north house face #645
- $54^{\circ}$  W. of W. face garage,  $10^{\circ}$  S of
- Curb stop,  $55^{\circ}$  S of
- $17^{\circ}$  E. of E. BOC,  $3^{\circ}$  S. of N. house face
- 4" PVC sanitary with  $\frac{3}{4}$ " PVC at water service tie-in

[illegible]





1. PROVIDE ADJUSTING RINGS; ADJUST CASTING TO NEW GRADE.
2. REMOVE 48" RISER ABOVE JUNCTION BOX; INSTALL NEW 48" RISER; TOP SLAB AND NEW CASTING TO NEW GRADE; SEE WAUKEE STANDARD FOR NEW CASTING.

2' barrel section,  
4' cone, 12" of donuts  
SEE NOTE 2

SEE NOTE 2 —  
4' barrell section,  
8" top, 12" of donut's

~~7TH STREET~~

**NOTHING BUT**

|                       |  |             |  |           |  |           |  |      |           |  |          |          |                                                                                     |  |                                                                                                                      |  |          |  |                |  |
|-----------------------|--|-------------|--|-----------|--|-----------|--|------|-----------|--|----------|----------|-------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------|--|----------|--|----------------|--|
| CONTROL POINT         |  | COORDINATES |  | BENCHMARK |  | ELEVATION |  | DATE | REVISIONS |  | SCALE    | AS NOTED |  |  | GRADING PLAN ALONG NORTHVIEW DRIVE                                                                                   |  | DWG. NO. |  |                |  |
|                       |  |             |  |           |  |           |  |      |           |  | DRAWN    | B.J.L.   |                                                                                     |  |                                                                                                                      |  | 45       |  |                |  |
|                       |  |             |  |           |  |           |  |      |           |  | CHECKED  | J.K.     |                                                                                     |  |                                                                                                                      |  |          |  |                |  |
|                       |  |             |  |           |  |           |  |      |           |  | APPROVED | M.B.     |                                                                                     |  |                                                                                                                      |  |          |  |                |  |
|                       |  |             |  |           |  |           |  |      |           |  | DATE     | 2-12-09  |                                                                                     |  |                                                                                                                      |  |          |  |                |  |
|                       |  |             |  |           |  |           |  |      |           |  | A. C.    |          |                                                                                     |  |                                                                                                                      |  |          |  |                |  |
| VEENSTRA & KIMM, INC. |  |             |  |           |  |           |  |      |           |  |          |          |                                                                                     |  | 3000 Westtown Parkway • West Des Moines, Iowa 50266-1320<br>515-225-8000 • 515-225-7848 (FAX) • 800-241-8000 (NA/TX) |  |          |  | PROJECT 275214 |  |

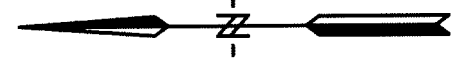




8TH STREET

7TH STREET

6TH STREET



NORTHVIEW DRIVE

1. PAVENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
2. PERMANENT PAVEMENT MARKINGS SHALL BE OF DURABLE PAINT.
3. TEMPORARY PAVEMENT MARKINGS WHEN REQUIRED ARE INCIDENTAL TO PAVEMENT. REMOVE AFTER USE.
4. PROVIDE SYMBOLS AS SHOWN ON PLANS. SYMBOLS SHALL BE OF DURABLE PAINT.
5. INSTALL MARKINGS AND SYMBOLS PER IDOT SPECIFICATIONS

3000 Westown Parkway • 515-225-8000 • 800-241-8000 (WATS)  
West Des Moines, Iowa 50266-1320 • 515-225-7848 (FAX)