Project Number: 552-CSI-333

# CT SCAN SITE PREP

4100 West Third Street

Dayton, Ohio 45428

Prepared For:

DEPARTMENT OF VETERANS AFFAIRS

DAYTON VAMC

4100 West Third Street

Dayton, Ohio 45428

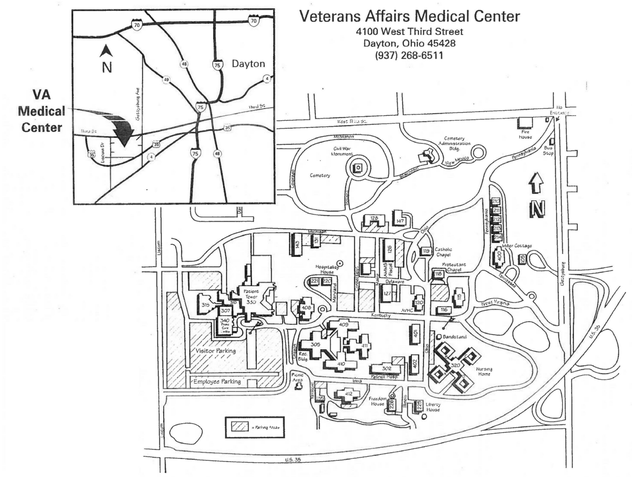
Prepared By:

App Architecture

615 Woodside Drive

Englewood, Ohio 45322

## VICINITY MAP

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|---|---|
| Drawing Title | COVER SHEET |
| Project Title | SITE PREP FOR CT SCANNER |
| Date | 01-31-2013 |
| Project No. | 552-CSI-333 |
| Approved: Project Manager | RANDI FIORINA |
| Building Number | 335 |
| Checked | PSH |
| Drawn | FO |
| Approved: Service Chief | GARY ABREU |
| Location | 4100 WEST THIRD STREET DAYTON, OH 45428 |
| Drawing No. | GI1.0 |

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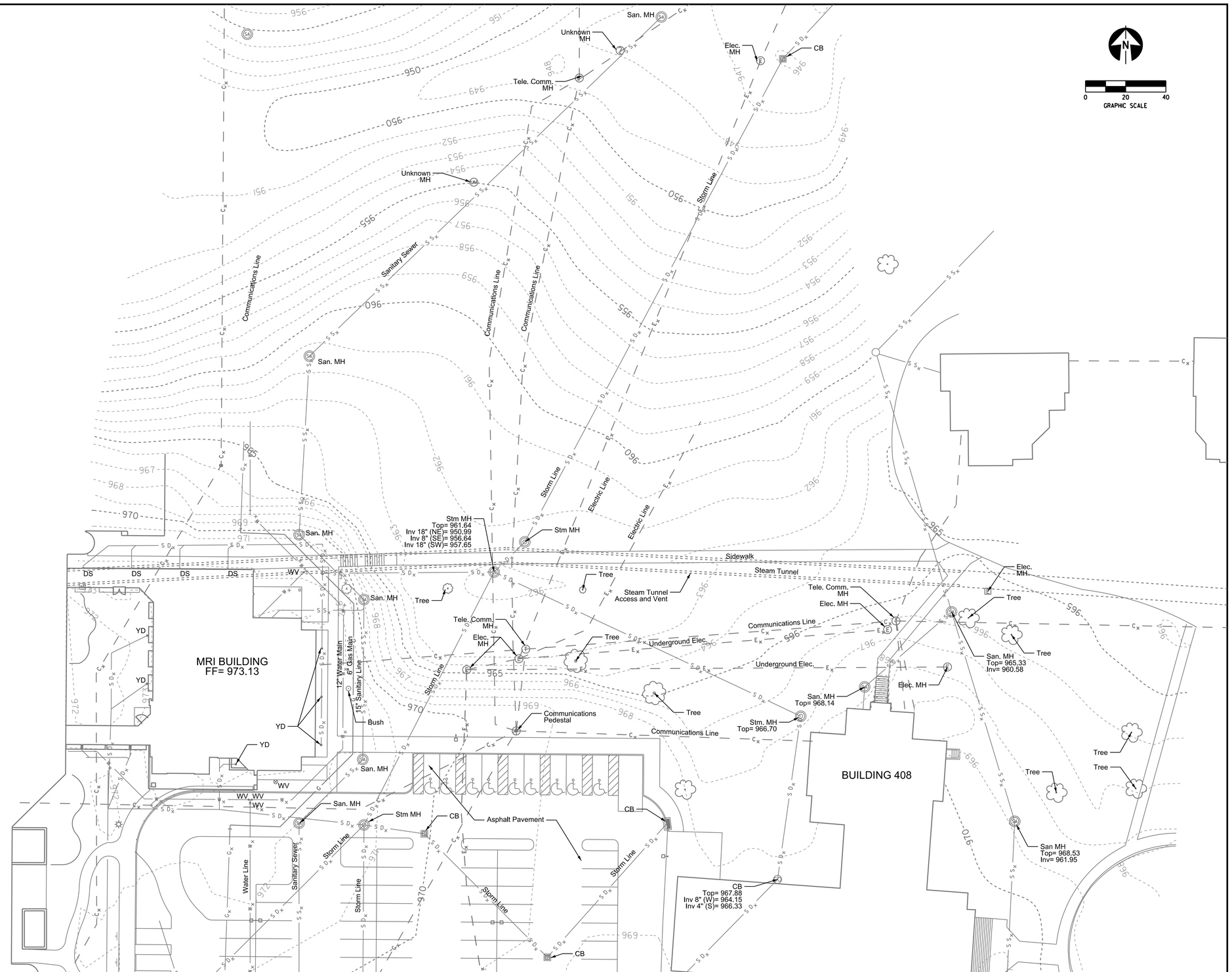


## KEY LEGEND:

YD - YARD DRAIN
WV - WATER VALVE
CB - CATCH BASIN
C.O. - CLEANOUT
SAN. - SANITARY
STM - STORM
MH - MANHOLE
DS - DOWNSPOUT
ELEC. - ELECTRIC

## GENERAL NOTES:

EXISTING CONDITIONS ARE BASED ON OPEN MRI DESIGN. CONTRACTOR TO VERIFY UTILITY LOCATIONS PRIOR TO CONSTUCTION. CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED TO UTILITIES DURING EXCAVATION. (MRI BUILDING IS CURRENTLY UNDER CONSTRUCTION)

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| Drawing Title | EXISTING CONDITIONS |
| Project Title | SITE PREP FOR CT SCANNER |
| Date | 01-31-2013 |
| Project No. | 552-CSI-333 |
| Approved: Project Coordinator | RANDI FIORINA |
| Building Number | 335 |
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| Drawn | JAH |
| Approved: Service Chief | GARY ABREU |
| Location | 4100 WEST THIRD STREET DAYTON, OH 45428 |
| Drawing No. | GS1.0 |

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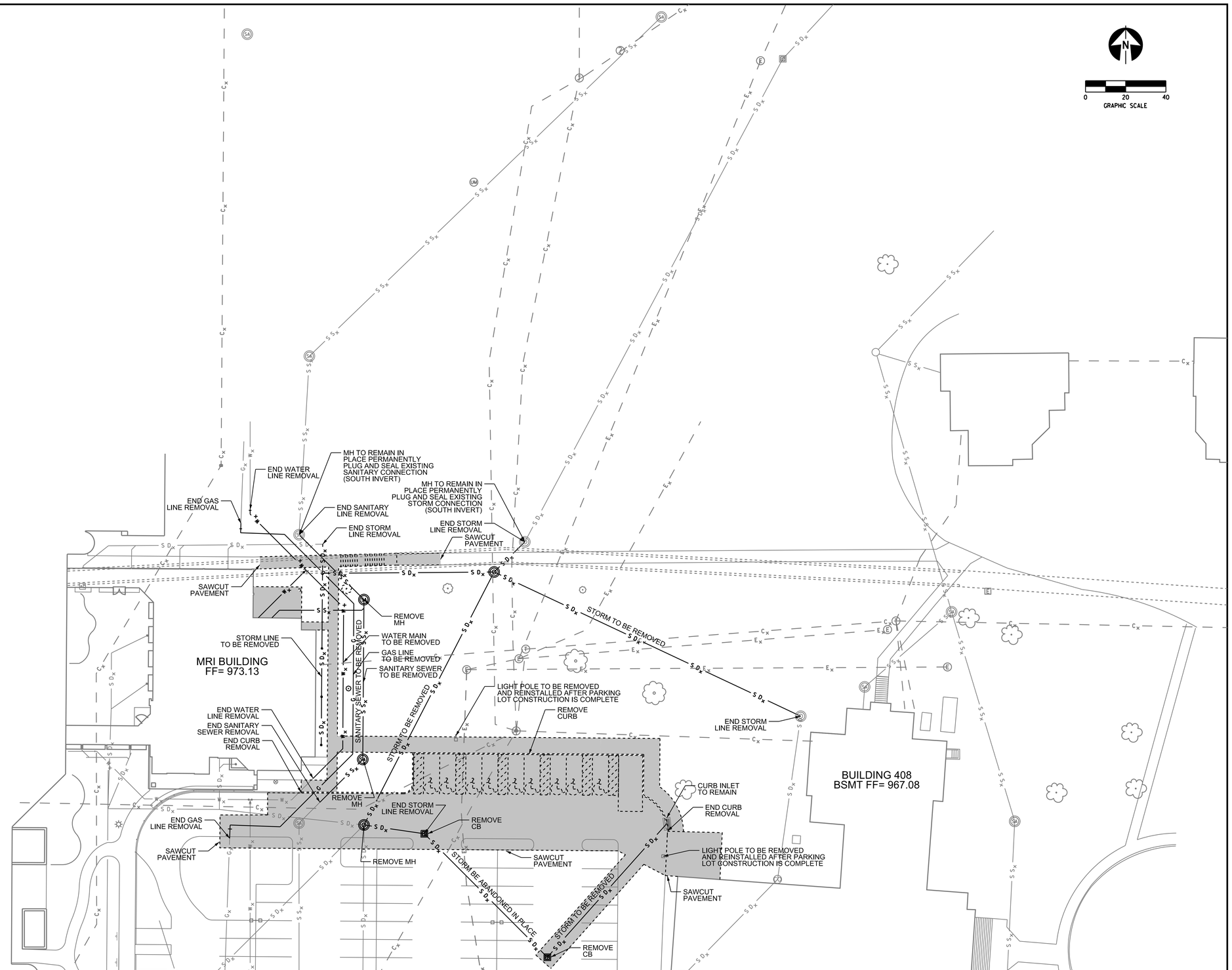


## LEGEND:

PAVEMENT AND SIDEWALK TO BE REMOVED

## GENERAL NOTES:

REFER TO ELECTRICAL AND COMMUNICATION DRAWINGS FOR EXISTING LINES TO BE REMOVED. SHEETS ES1.1 AND ES1.2

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| | |
|---|---|
| Drawing Title | DEMOLITION PLAN |
| Project Title | SITE PREP FOR CT SCANNER |
| Date | 01-31-2013 |
| Project No. | 552-CSI-333 |
| Approved: Project Coordinator | RANDI FIORINA |
| Building Number | 335 |
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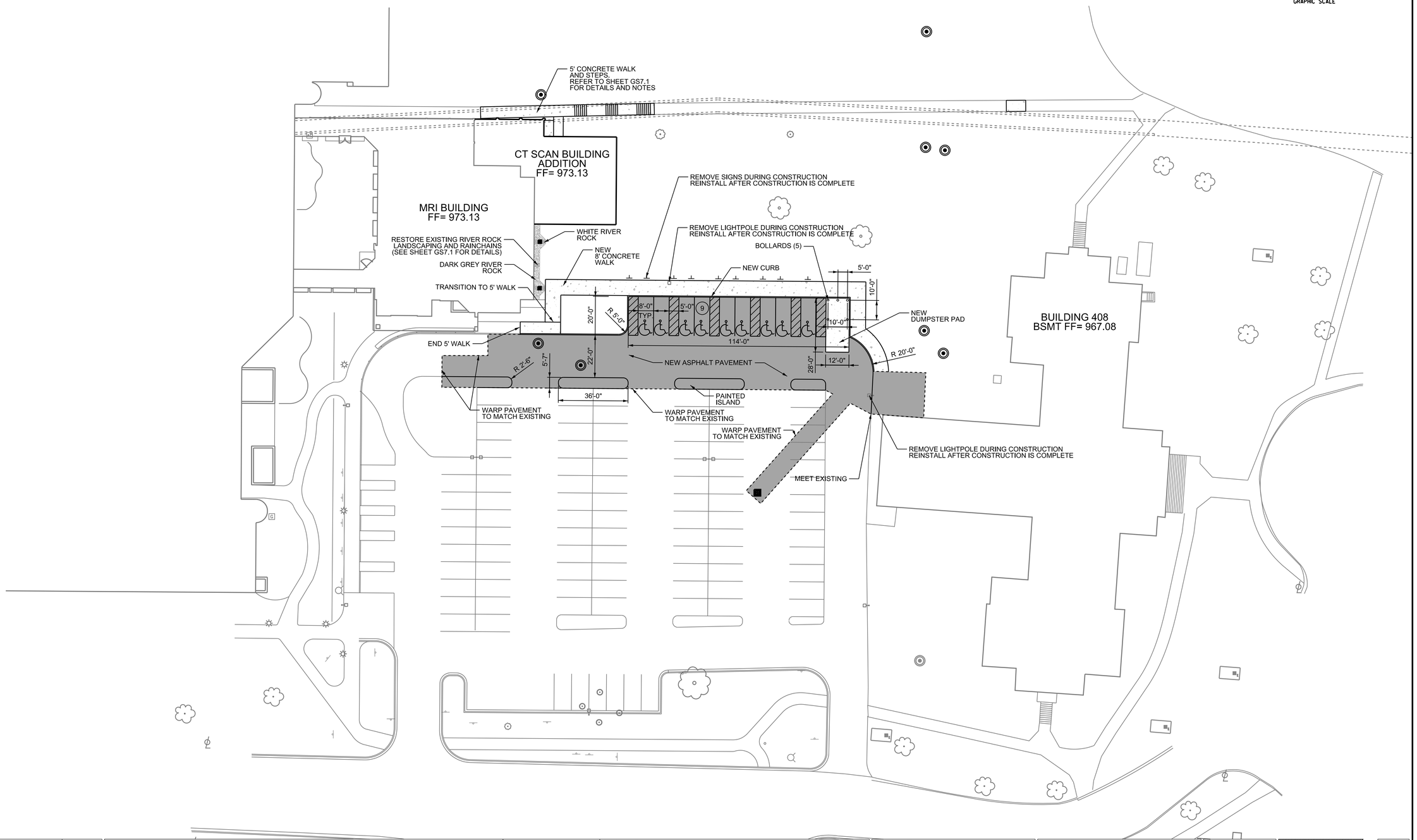


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| Drawing Title | SITE PLAN |
| Approved: Project Coordinator | RANDI FIORINA |
| Approved: Service Chief | GARY ABREU |
| Project Title | SITE PREP FOR CT SCANNER |
| Building Number | 335 |
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| Drawn | JAH |
| Location | 4100 WEST THIRD STREET DAYTON, OH 45428 |
| Date | 01-31-2013 |
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| Drawing No. | GS3.0 |

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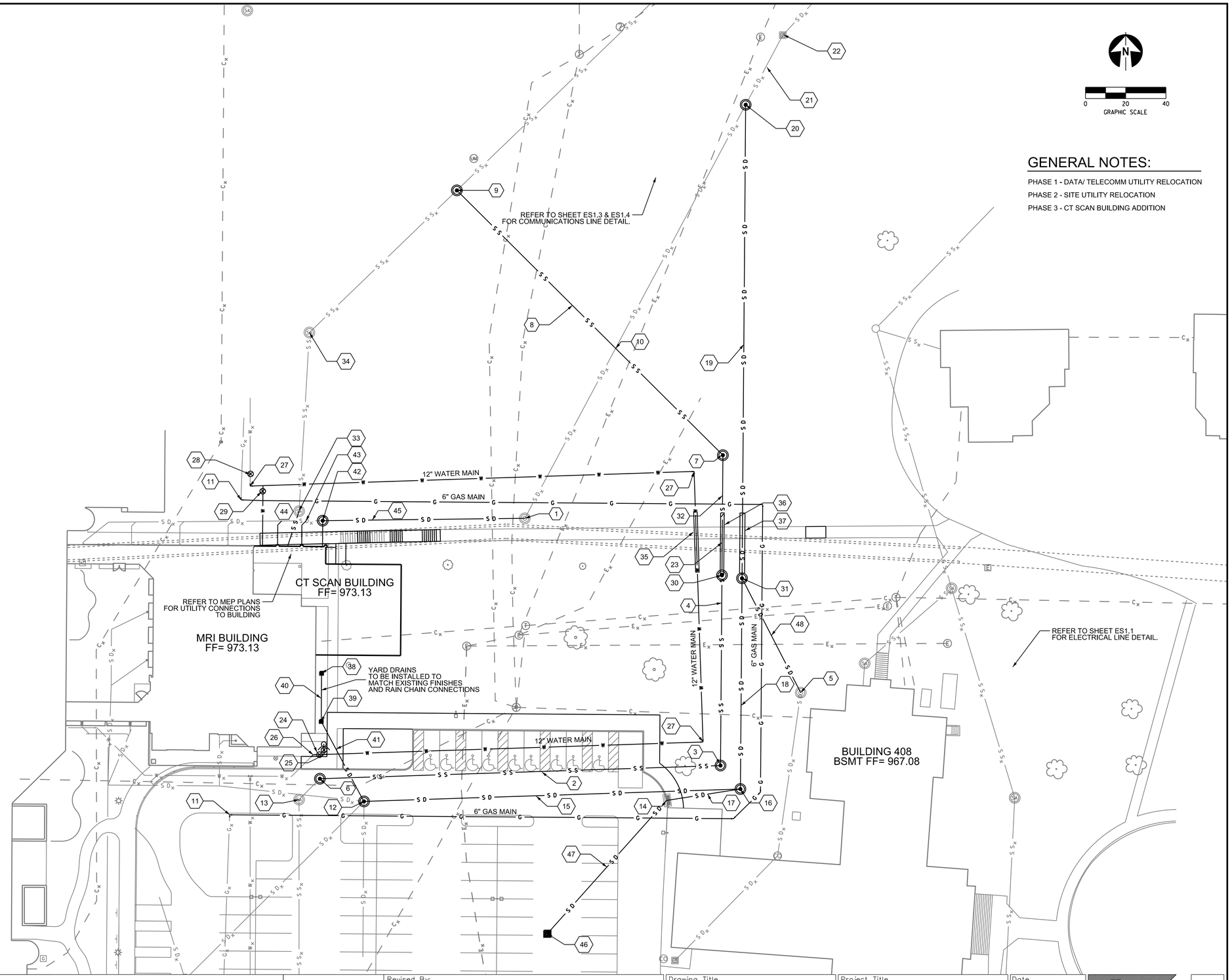
## KEY NOTES:

1. Ex. STM MH
   TOP= 963.00
   INV= 953.90 (18")
   INV= 950.99 (18")
2. 200.00' ~ 12" SAN @ 0.50%
3. PROP SAN MH
   TOP 966.50
   INV= 950.55 (12") W
   INV= 950.45 (12") N
4. 95' ~ 12" SAN @ 0.50%
5. Ex. STM MH
   TOP= 966.70
   INV= 962.50
   INV= 962.50 (8") NW PROP.
6. PROP SAN MH
   TOP= ADJUST TO GRADE
   INV= 951.55 (12") E
7. PROP SAN MH
   TOP= 961.30
   INV= 946.64 (12") S
   INV= 946.54 (12") NW
8. 187.00' ~ 12" SAN @ 0.63%
9. PROP SAN MH
   TOP= 961.50
   Ex. INV= 945.26 (12") SW VERIFY
   INV= 945.36 (12") SE
10. INV 18" STM= 949.26
    TOP 12" SAN= 947.50
11. CONNECT TO Ex.
    6" GAS MAIN
12. PROP STM MH
    TOP= 971.35
    INV= 961.99 (18") W
    INV= 962.48 (15") E
    INV= 962.41 (12") SW
    INV= 965.64 (12") S
    INV= 961.96 (18") E PROP.
    INV= 968.34 (12") NW PROP.
13. Ex. SAN MH
    TOP= 971.99
    INV= 951.87 (12") S
    INV= 951.60 (12") NE
14. Ex. INLET
    TOP= ADJUST TO GRADE
    INV= 963.30 (12") NE
    INV= 963.30 (12") SW
15. 188.00' ~ 18" STM @ 3.00%
16. PROP STM MH
    TOP= 967.50
    INV= 956.32 (18") W & N
    INV= 962.50 (12") SW
17. 40' ~ 12" STM @ 2.00%
18. 104' ~ 18" STM @ 4.00%
19. 237.00' ~ 18" STM @ 2.15%
20. PROP STM MH
    TOP= 945.77
    INV= 942.65 (18") S
    Ex. INV= 942.55 (18") NE VERIFY
21. Ex. 18" STM @ 5.06%
22. Ex. STM CB
    TOP= 945.77
    INV= 940.27 (18") S VERIFY
    INV= 939.97 (18") N VERIFY
23. BOTTOM OF TUNNEL
    ASSUMED ELEV 951.10 VERIFY
    TOP SAN= 948.65
24. CONNECT TO Ex. 12" WATER MAIN
    WITH TEE, 12" VALVE
25. 12" X 12" X 6" TEE,
    VALVE & FH
26. 45° BEND
27. 90° BEND
28. CONNECT TO Ex. 12" WATER MAIN.
    INSTALL 12" VALVE
29. CONNECT Ex. BLDG 4" SERVICE
    W/ 12" x 12" x 4" TEE, AND VALVE
30. DROPPED SAN MH
    TOP= 963.54
    INV= 949.98 (12") S
    INV= 947.00 (12") N
31. PROP STM MH
    TOP= 963.84
    INV= 952.10 (18") S
    INV= 946.10 (18") N
    INV= 958.66 (8") SE
32. 60' ~ 12" SAN @ 0.60%
33. Ex. SAN MH
    TOP= 970.85
    INV= 950.68 (15") N
    INV= 950.88 (15") S
34. Ex. SAN MH
    TOP= 961.97
    INV= 950.44 (15") S
    INV= 950.44 (15") NE
35. 30' ~ 21" STEEL CASING
36. 30' ~ 21" STEEL CASING
37. 30' ~ 30" STEEL CASING
38. YARD DRAIN
    TOP= ADJ. TO GRADE
    INV= 969.36
39. YARD DRAIN
    TOP= ADJ. TO GRADE
    INV= 969.24
40. 24' ~ 12" STM @ 0.50%
41. 45' ~ 12" STM @ 2.00%
42. PROP STM MH
    TOP= 970.01
    INV= 966.80 (12") W
    INV= 960.71 (12") E PROP.
    INV= 966.80 (4") N PROP.
43. ROOF DRAIN
    (SEE DETAIL SHEET GS7.1)
    4" INV= 966.95
44. ROOF DRAIN
    (SEE DETAIL SHEET GS7.1)
    4" INV= 967.17
45. 101' ~ 12" STM @ 7.00%
46. PROP CB
    TOP= 968.80
    INV= 965.08 (12") NE
47. 89' ~ 12" STM @ 2.00%
48. 64' ~ 8" STM @ 6.00%




## GENERAL NOTES:

PHASE 1 - DATA/ TELECOMM UTILITY RELOCATION
PHASE 2 - SITE UTILITY RELOCATION
PHASE 3 - CT SCAN BUILDING ADDITION

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| Location | 4100 WEST THIRD STREET DAYTON, OH 45428 |
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STORM WATER/ EROSION CONTROL NOTES

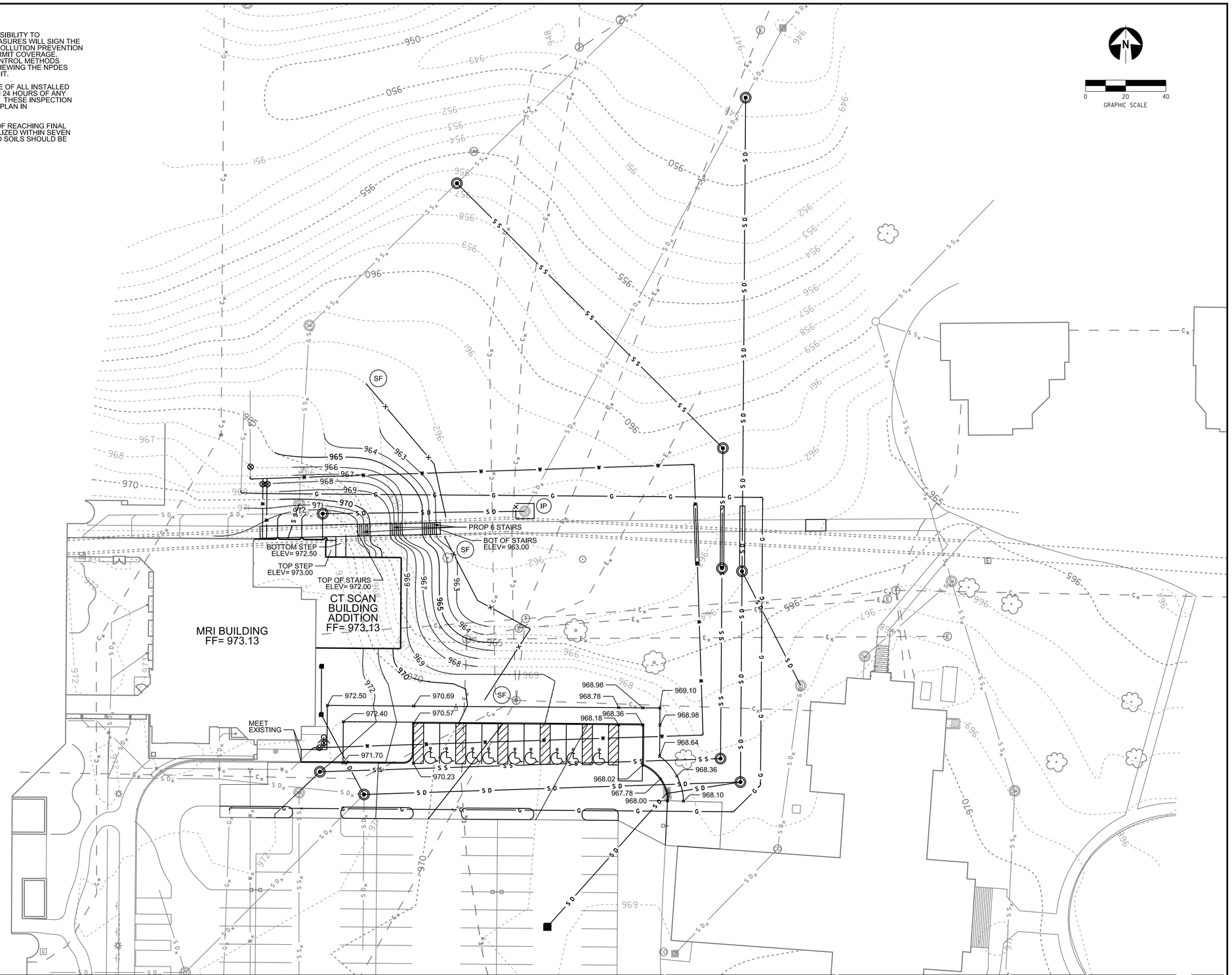
1. ANY CONTRACTOR OR SUBCONTRACTOR ON THE PROJECT THAT HAS ANY RESPONSIBILITY TO INSTALL, INSPECT, OR MAINTAIN EROSION, SEDIMENT OR POLLUTION CONTROL MEASURES WILL SIGN THE CONTRACTOR/SUBCONTRACTOR CERTIFICATION PRESENT IN THE STORM WATER POLLUTION PREVENTION PLAN (SWP3) MAINTAINED ON THE CONSTRUCTION SITE FOR THE DURATION OF PERMIT COVERAGE. THEY SHALL BE RESPONSIBLE FOR ADHERING TO THE SEDIMENT AND EROSION CONTROL METHODS DETAILED IN THE SWP3. IN ADDITION, THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE NPDES PERMIT TO ENSURE COMPLIANCE WITH THE TERMS AND CONDITIONS OF THE PERMIT.

2. CONTRACTOR IS RESPONSIBLE FOR CONDUCTING INSPECTIONS AND MAINTENANCE OF ALL INSTALLED TEMPORARY EROSION CONTROL MEASURES EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF ANY STORM EVENT IN WHICH ONE HALF INCH OF RAIN FALLS WITHIN A 24 HOUR PERIOD. THESE INSPECTION FORMS MUST BE MAINTAINED IN THE SITE STORM WATER POLLUTION PREVENTION PLAN IN ACCORDANCE WITH THE OEPA NPDES CONSTRUCTION STORM WATER PERMIT.

3. ALL AREAS OF DISTURBANCE ON THE SITE MUST BE SEEDED WITHIN SEVEN DAYS OF REACHING FINAL GRADE IN THAT AREA. ANY EXCESS SOIL AREAS (SOIL PILES) MUST ALSO BE STABILIZED WITHIN SEVEN DAYS OF THE LAST CONSTRUCTION ACTIVITIES WITHIN THE AREA. THESE EXPOSED SOILS SHOULD BE SEEDED WITH ODOT CLASS 1 SEED AND MULCHED ACCORDING TO ODOT ITEM 659.

LEGEND

- INLET PROTECTION
- (IP) INLET PROTECTION
- SILT FENCE
- (SF) SILT FENCE

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| Location | 4100 WEST THIRD STREET DAYTON, OH 45428 |

VAMC, DAYTON

VA Department of Veterans Affairs

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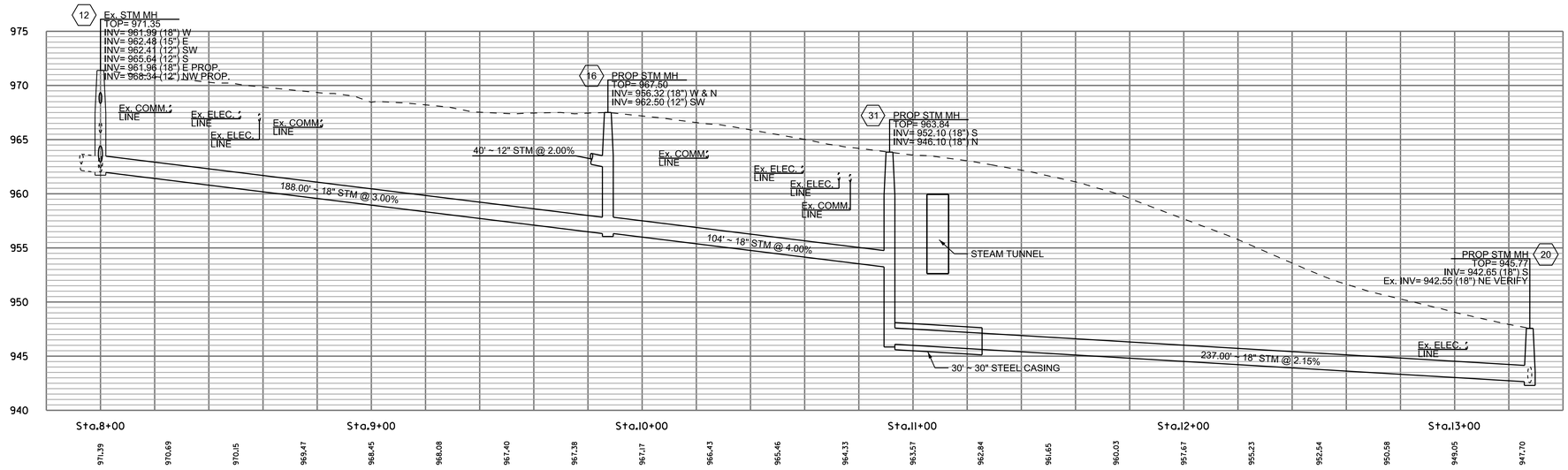
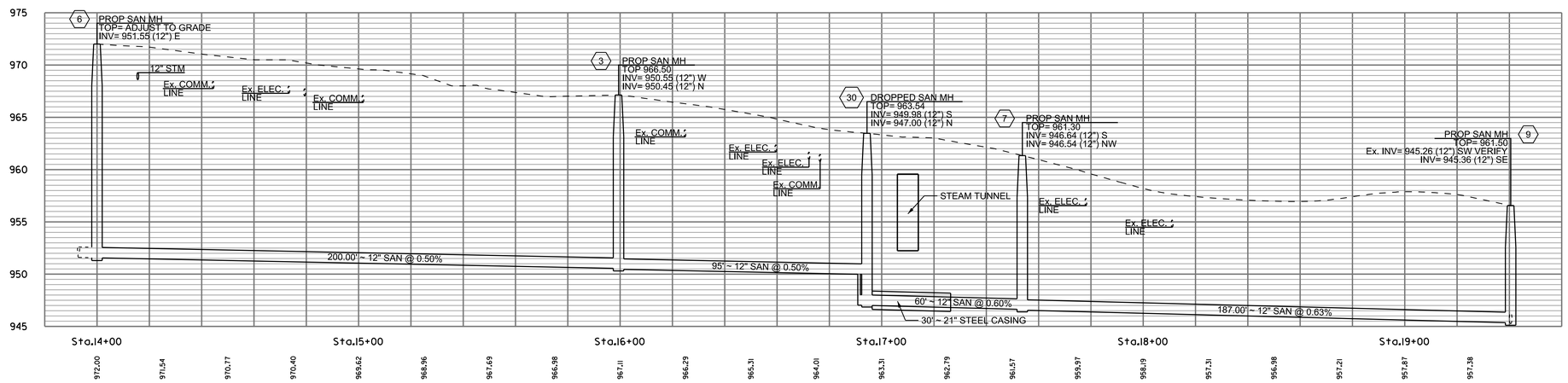



## STORM PROFILE

SCALE = HORZ. 1"=20'-0" VERT. 1"=5'-0"




## SANITARY PROFILE

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| Drawing Title | Project Title | Date |
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| STORM AND SANITARY PROFILE | SITE PREP FOR CT SCANNER | 01-31-2013 |
| Approved: Project Coordinator: RANDI FIORINA | Building Number: 335 / Checked: PSB / Drawn: JAH | Project No. 552-CSI-333 |
| Approved: Service Chief: GARY ABREU | Location: 4100 WEST THIRD STREET DAYTON, OH 45428 | Drawing No. GS6.0 |

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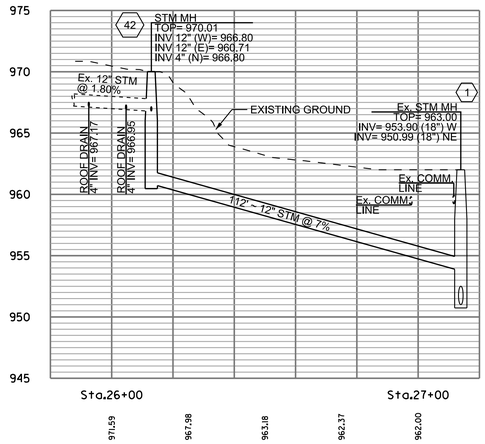


## STORM LINE PROFILE

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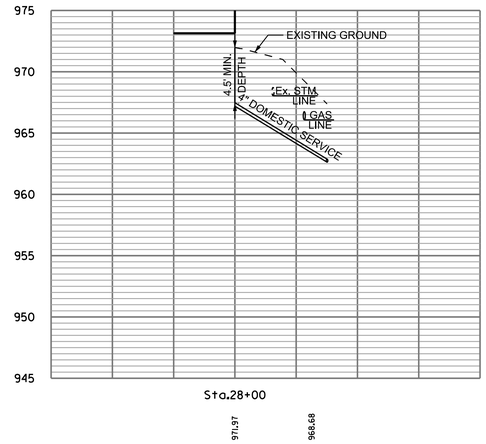
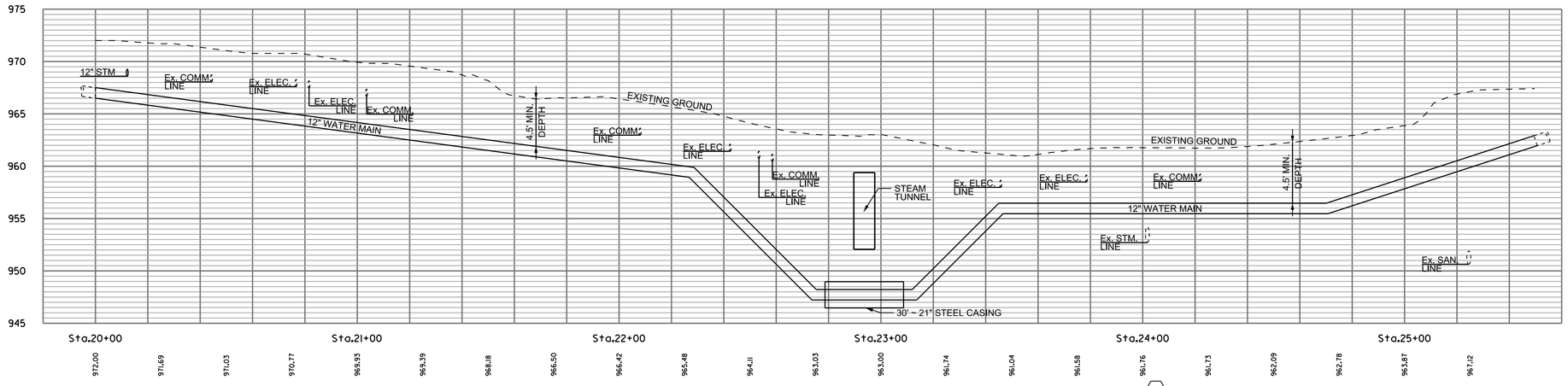



## WATER PROFILE

SCALE = HORZ. 1"=20'-0" VERT. 1"=5'-0"

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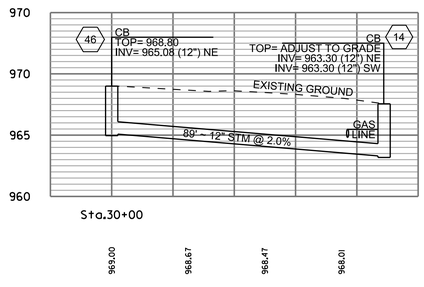


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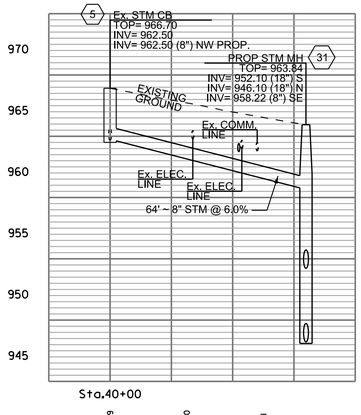


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| STORM AND SANITARY PROFILE | SITE PREP FOR CT SCANNER | 01-31-2013 |
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| Approved: Service Chief: GARY ABREU | Location: 4100 WEST THIRD STREET DAYTON, OH 45428 | Drawing No. GS6.1 |

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Department of Veterans Affairs

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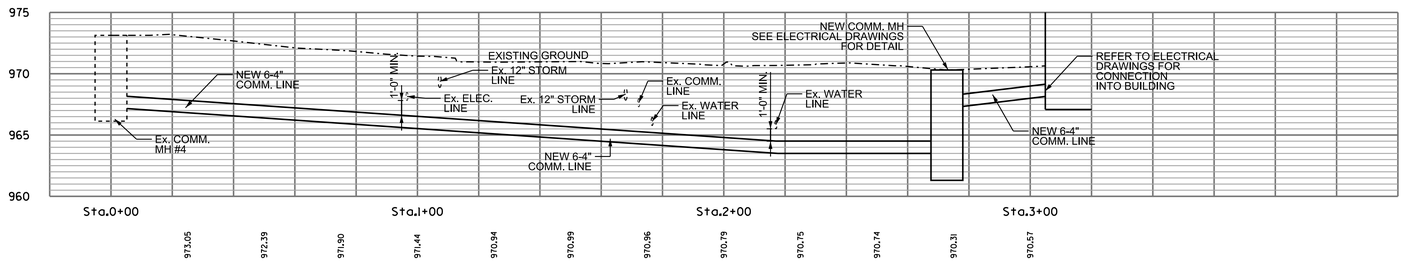
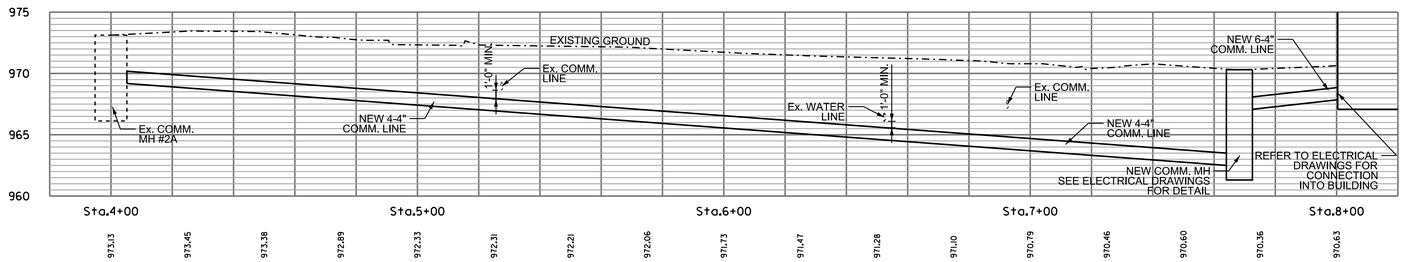



## COMMUNICATIONS PROFILE

SCALE = HORZ. 1"=20'-0"' VERT. 1"=5'-0"




## COMMUNICATIONS PROFILE

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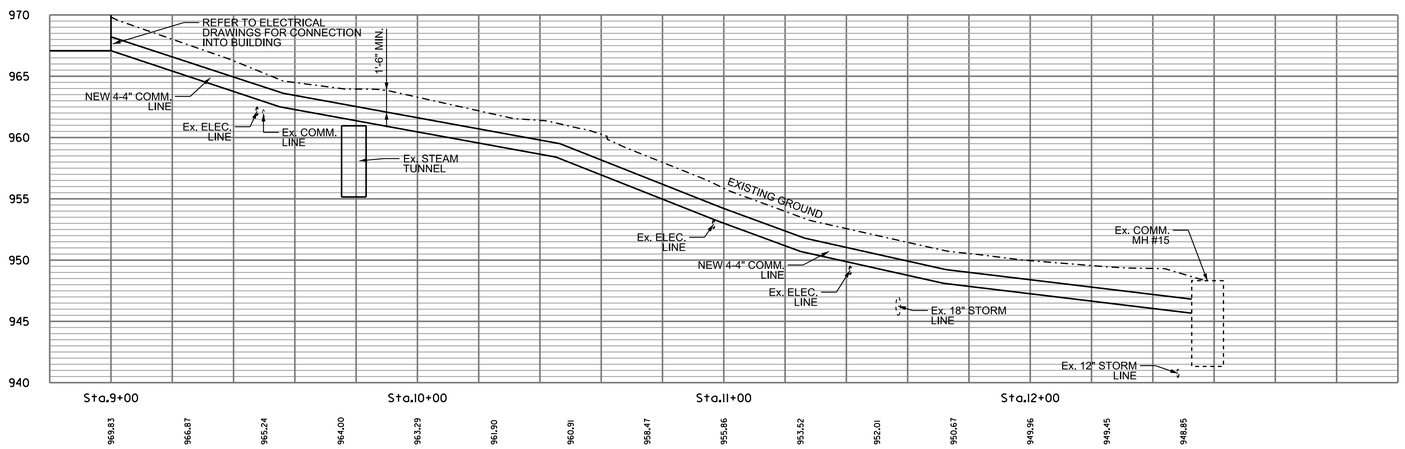


## COMMUNICATIONS PROFILE

SCALE = HORZ. 1"=20'-0"' VERT. 1"=5'-0"

3023.00

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STATE OF OHIO — PETER S. BATTAGLIA E51255 — REGISTERED PROFESSIONAL ENGINEER

Professional Seal

Revised By:

Drawing Title: COMMUNICATIONS PROFILES

Project Title: SITE PREP FOR CT SCANNER

Date: 01-31-2013

Project No.: 552-CSI-333

Approved: Project Coordinator: RANDI FIORINA

Building Number: 335 | Checked: PSB | Drawn: JAH

Drawing No.: GS6.2

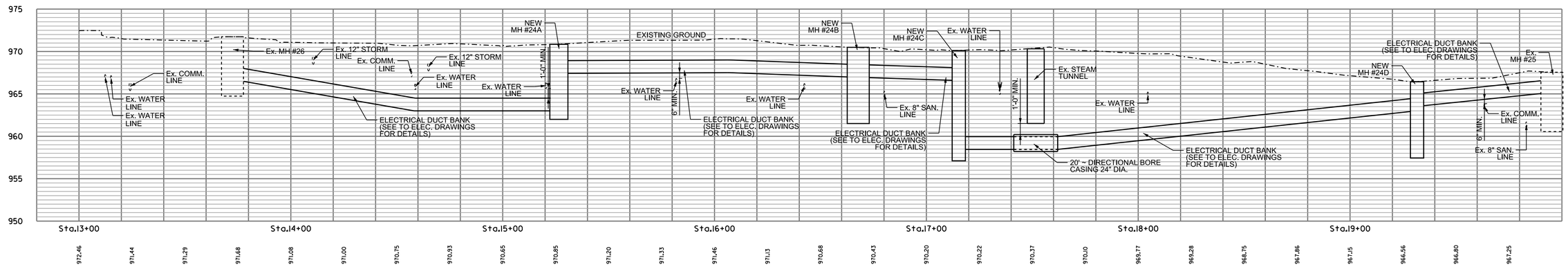
Approved: Service Chief: GARY ABREU

Location: 4100 WEST THIRD STREET DAYTON, OH 45428

VAMC, DAYTON

VA Department of Veterans Affairs

VA FORM 08-6231, OCT 1978




## ELECTRIC PROFILE

SCALE = HORZ. 1"=20'-0"' VERT. 1"=5'-0"

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Professional Seal

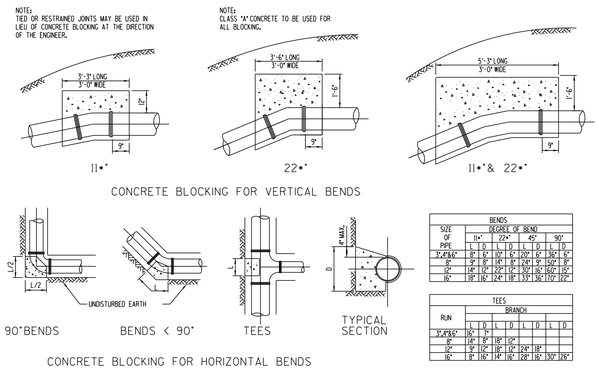
Revised By:

| Drawing Title | Project Title | Date |
|---|---|---|
| ELECTRIC PROFILES | SITE PREP FOR CT SCANNER | 01-31-2013 |
| Approved: Project Coordinator: RANDI FIORINA | Building Number: 335 · Checked: PSB · Drawn: JAH | Project No. 552-CSI-333 |
| Approved: Service Chief: GARY ABREU | Location: 4100 WEST THIRD STREET DAYTON, OH 45428 | Drawing No. GS6.3 |

VAMC, DAYTON

Department of Veterans Affairs

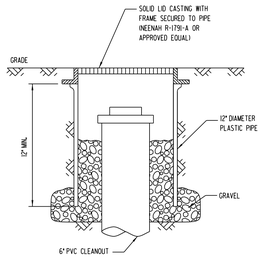
VA FORM 08-6231, OCT 1978



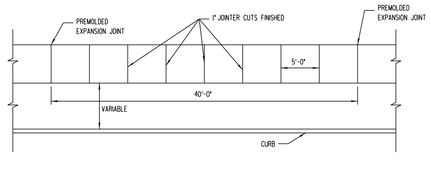

| SIZE OF PIPE | BENDS DEGREE OF BEND 11° L | D | 22° L | D | 45° L | D | 90° L | D |
|---|---|---|---|---|---|---|---|---|
| 3",4",6" | 8" | 6" | 10" | 6" | 20" | 6" | 36" | 6" |
| 8" | 9" | 6" | 14" | 6" | 24" | 9" | 50" | 9" |
| 12" | 18" | 9" | 22" | 9" | 50" | 12" | 80" | 15" |
| 16" | 18" | 16" | 24" | 18" | 53" | 16" | 110" | 22" |

| RUN | TEES BRANCH L | D | L | D | L | D | L | D |
|---|---|---|---|---|---|---|---|---|
| 3",4",6" | 16" | 6" | | | | | | |
| 8" | 14" | 8" | 18" | 8" | | | | |
| 12" | 9" | 12" | 18" | 12" | 24" | 18" | | |
| 16" | 8" | 16" | 14" | 16" | 28" | 16" | 30" | 28" |

CONCRETE BLOCKING FOR WATER MAINS
NOT TO SCALE

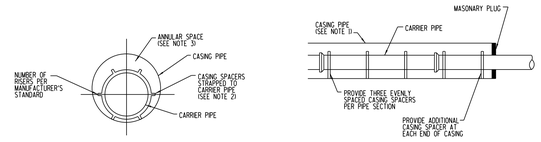



CLEANOUT IN GRASS AREA
NOT TO SCALE




NOTES:
1. PROVIDE BROOM FINISH TO ALL EXPOSED SURFACES.
2. CONCRETE SHALL CONFORM TO ITEM 500, CAST-IN-PLACE CONCRETE.
3. PROVIDE A MINIMUM OF 2" EDGING AROUND ALL EXPOSED SURFACES.
4. PROVIDE 4" AGGREGATE BASE

CONCRETE SIDEWALK DETAIL
NOT TO SCALE

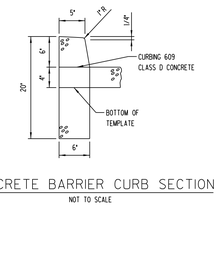



| CASING PIPE DIA. | MIN. WALL THICKNESS |
|---|---|
| 24" | 0.50 |
| 36" | 0.50 |

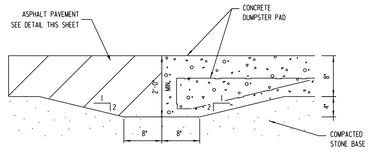
NOTES:

1. CASING PIPE SHALL BE WELDED STEEL PIPE, HAVE A MINIMUM TENSILE STRENGTH OF 60,000 PSI, A MINIMUM YIELD STRENGTH OF 35,000 PSI AND A MINIMUM WALL THICKNESS AS SHOWN IN TABLE. THE WELD SHALL BE CONTINUOUS AROUND THE CASING AND ABLE TO WITHSTAND JACKING OPERATION CONFORMING TO AWWA C202.
2. CASING SPACERS SHALL BE INSTALLED PER MANUFACTURER'S REQUIREMENTS. THE APPROVED MANUFACTURERS ARE RANGER II, CASCADE WATERWORKS, MFG. OR APPROVED EQUAL.
3. FOLLOWING CASING PIPE INSTALLATION, ANNULAR SPACE SHALL BE FILLED WITH A SAND AND CEMENT MIXTURE OR GROUT AS REQUIRED BY THE ENGINEER.
4. FLEXIBLE S-SHAPED SEALS FABRICATED OR SYNTHETIC RUBBER WITH STAINLESS STEEL BANDS AND CLAMPS SHALL BE MANUFACTURED BY PIPELINE SEAL AND INSULATORS, INC. OR APPROVED EQUAL.
5. JACK AND BORE OPERATION SHALL BE CONTINUOUS (AROUND THE CLOCK) UNTIL COMPLETE.

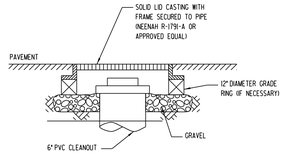
JACK AND BORE DETAIL
NOT TO SCALE



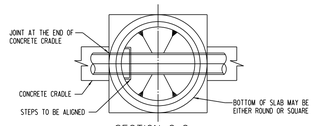

CONCRETE BARRIER CURB SECTION
NOT TO SCALE



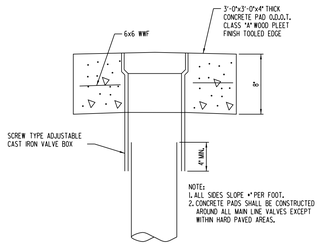

PAVEMENT EDGE ASSEMBLY
NOT TO SCALE



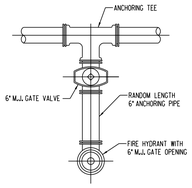

CLEANOUT IN PAVEMENT AREA
NOT TO SCALE



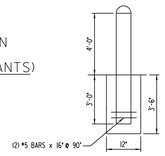

SECTION C-C




VALVE BOX DETAIL
NOT TO SCALE

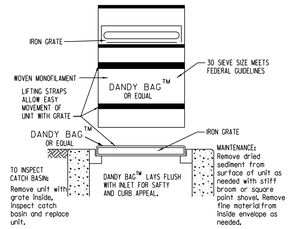



FIRE HYDRANT INSTALLATION USING ANCHORING PIECES (REQUIRED FOR ALL FIRE HYDRANTS)
NOT TO SCALE



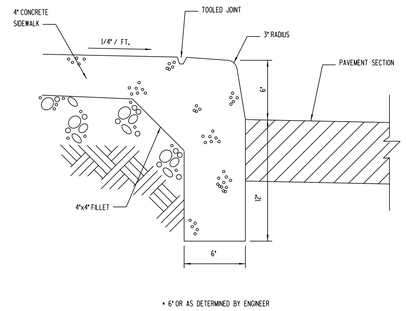

BOLLARD DETAIL
NOT TO SCALE

NOTES:
6" SCHEDULE 40 GALV. PIPE x 7' LONG WITH FIELD WELDED SEAMLESS GRADE B PIPE CAP (GRIND SMOOTH) EMBEDED IN 3000 PSI CONCRETE BASE



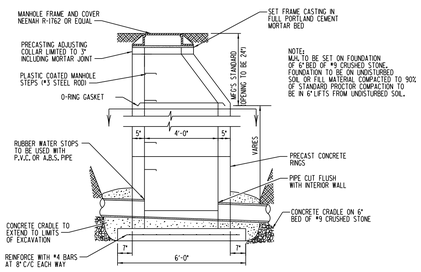

DANDY BAG DROP INLET SEDIMENT FILTER
(IP) NOT TO SCALE

TO BE USED ON ALL STRUCTURES AFTER INSTALLATION OF STORM SEWER AND PRIOR TO PAVING OPERATIONS.




* 6" OR AS DETERMINED BY ENGINEER

CURB CONSTRUCTION ALONG WALK
NOT TO SCALE

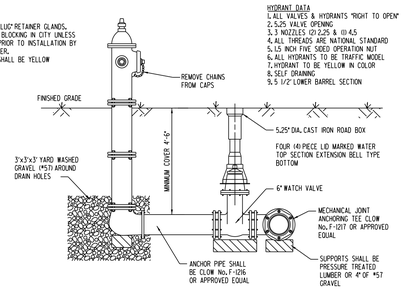



STANDARD MANHOLE DETAIL
NOT TO SCALE

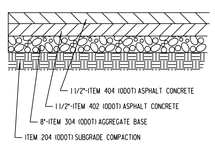
MAKE OF HYDRANTS OR EQUAL
1. MUELLER SUPER CENTURION A-423
2. CLOW EDDY 2640

NOTES:
1. USE "MEG-A-LUG" RETAINER GLANDS.
2. NO THRUST BLOCKING IN CITY UNLESS APPROVED PRIOR TO INSTALLATION BY CITY ENGINEER.
3. HYDRANTS SHALL BE YELLOW

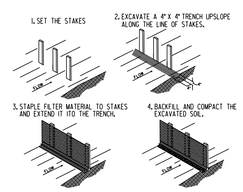
HYDRANT DATA
1. ALL VALVES & HYDRANTS "RIGHT TO OPEN"
2. 5.25 VALVE OPENING
3. 3 NOZZLES (2) 2.25 & (1) 4.5
4. ALL THREADS ARE NATIONAL STANDARD
5. 1.5 INCH FIVE SIDED OPERATION NUT
6. ALL HYDRANTS TO BE TRAFFIC MODEL
7. HYDRANT TO BE YELLOW IN COLOR
8. SELF DRAINING
9. 5 1/2" LOWER BARREL SECTION



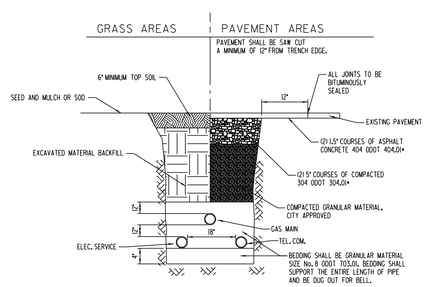

FIRE HYDRANT ASSEMBLY
NOT TO SCALE



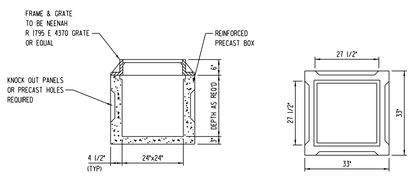

LIGHT DUTY PAVEMENT DETAIL
NOT TO SCALE




CONSTRUCTION OF A FILTER BARRIER (SILT FENCE)
(SF) NOT TO SCALE




SHARED TRENCH DETAIL
NOT TO SCALE




2-2B MODIFIED CATCH BASIN
NOT TO SCALE (PAVED AREAS ONLY)

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Professional Seal

Revised By:

| Drawing Title | Project Title | Date |
|---|---|---|
| SITE DETAILS | SITE PREP FOR CT SCANNER | 01-31-2013 |
| Approved: Project Coordinator: RANDI FIORINA | Building Number: 335 / Checked: PSB / Drawn: JAH | Project No. 552-CSI-333 |
| Approved: Service Chief: GARY ABREU | Location: 4100 WEST THIRD STREET DAYTON, OH 45428 | Drawing No. GS7.0 |

VAMC, DAYTON — Department of Veterans Affairs — VA

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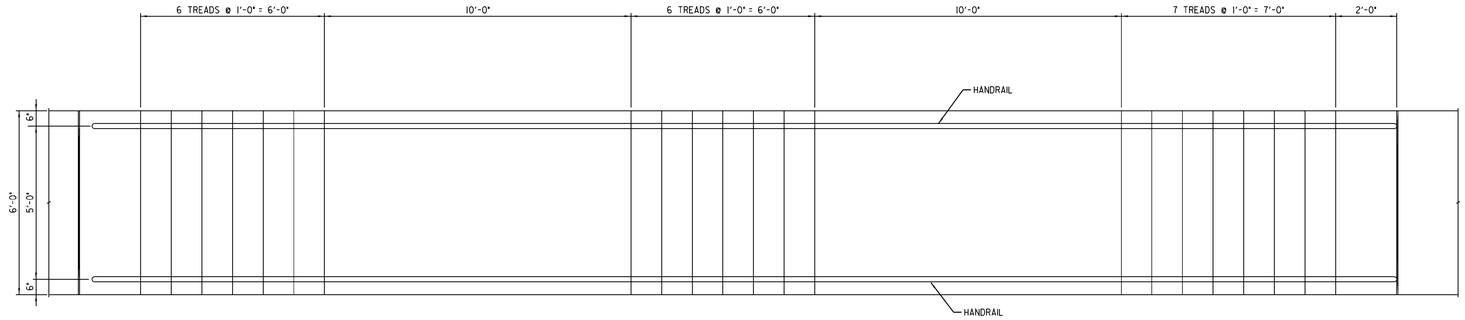
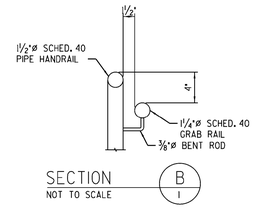
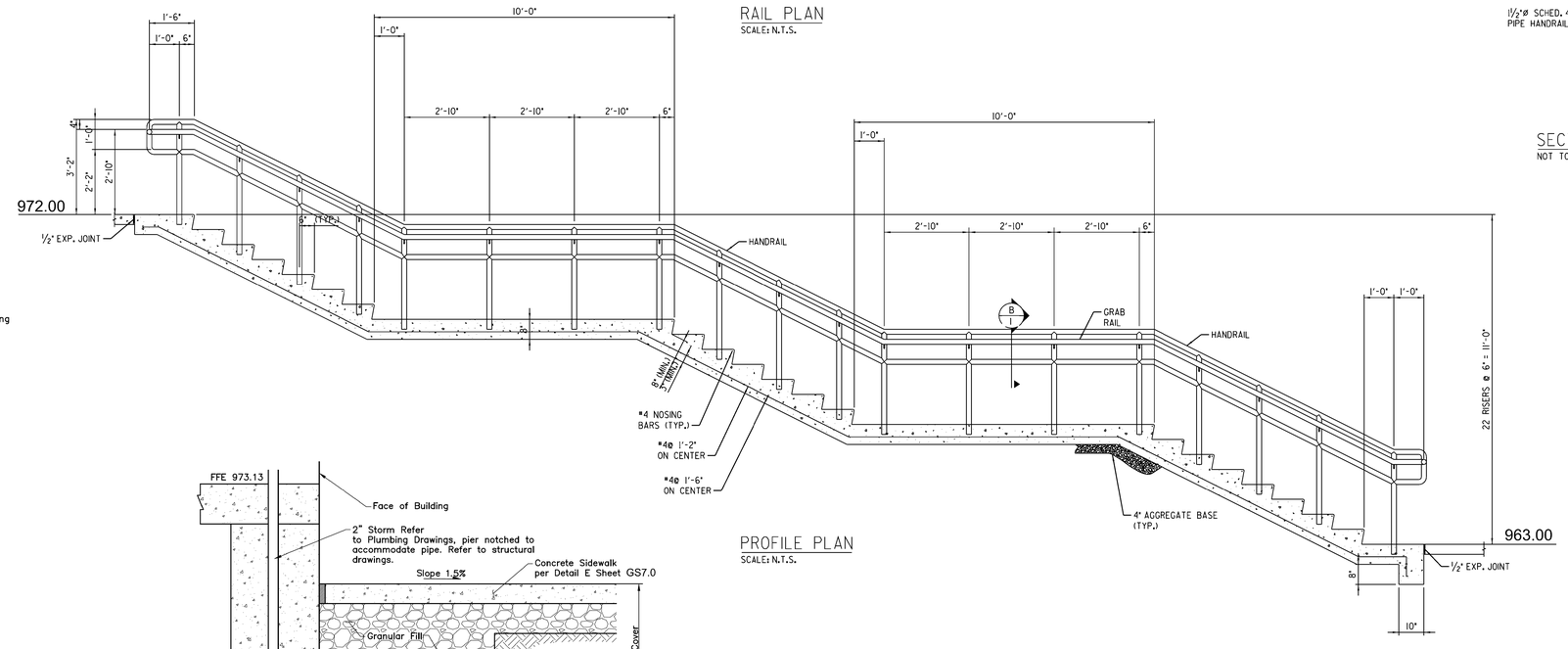


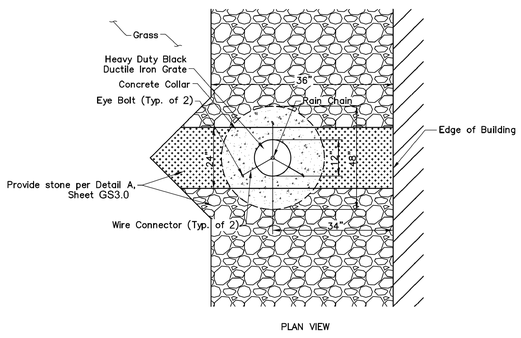

RAIL PLAN
SCALE: N.T.S.



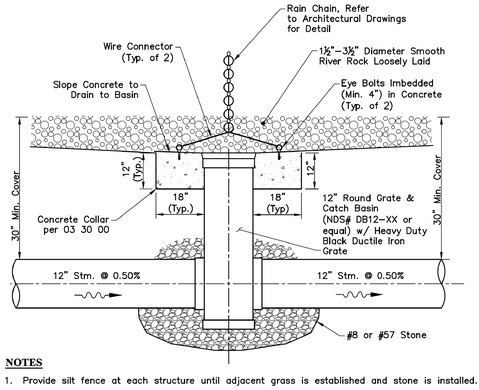

SECTION B/1
NOT TO SCALE




PROFILE PLAN
SCALE: N.T.S.



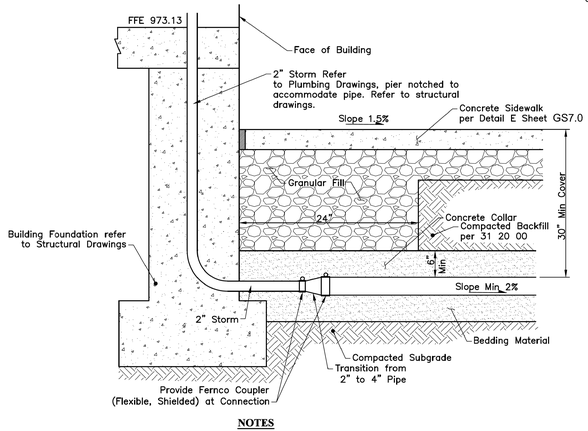

PLAN VIEW




**NOTES**

1. Provide silt fence at each structure until adjacent grass is established and stone is installed.
2. Refer to sheet Detail A, Sheet GS3.0 for river rock color detail.
3. Concrete color shown in plan view for location of area drain. Backfill entire area drain with river rock to finish grades per grading plan.

AREA DRAIN DETAIL
SCALE: N.T.S.




**NOTES**

1. Coordinate location and elevation of storm with plumbing Contractor. Make final connection.
2. Extend 4" storm to 12" storm main. Connect with 12"x4" tee. Refer to storm sewer profiles ( GS6.1 ) for additional information.

STORM CONNECTION AT COLUMN
SCALE: N.T.S.

## GENERAL NOTES:

1. FABRICATE RAILING SYSTEM FROM 1 ½" DIAMETER SCHEDULE 40 PIPE.
2. FABRICATE HAND RAIL FROM 1 ¼" DIAMETER SCHEDULE 40 PIPE.
3. GALVANIZE ALL RAILING COMPONENTS AFTER FABRICATION AS SPECIFIED IN ASTM A 123. RE-GALVANIZE AREAS OF DAMAGE PER AASHTO M 36 OR FEDERAL STANDARD O-G-93.
4. CAST RAILING SECTION IN PLACE OR IN SOCKETS FILLED WITH NON SHRINK GROUT. PROVIDE A COATING OF ASPHALTIC MASTIC ON SECTIONS THAT COME INTO CONTACT WITH CONCRETE OR GROUT.
5. EMBED POSTS A MINIMUM OF 4 INCHES.
6. INSTALL ALL RAILING SECTIONS FREE OF BURRS AND SHARP PROJECTIONS.

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| Location | 4100 WEST THIRD STREET DAYTON, OH 45428 |

VAMC, DAYTON
VA Department of Veterans Affairs

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