

# BREESE STEVENS FIELD

## CITY OF MADISON, WISCONSIN

### FIELD IMPROVEMENTS



One Honey Creek Corporate Center  
 125 South 84th Street, Suite 401  
 Milwaukee, WI 53214-1469  
 414 / 259 1500  
 414 / 259 0037 fax

www.graef-usa.com

CONSULTANTS:

PROJECT TITLE:

BREESE STEVENS FIELD  
 MADISON, WISCONSIN

ISSUE:  
 NO. DATE REVISIONS BY

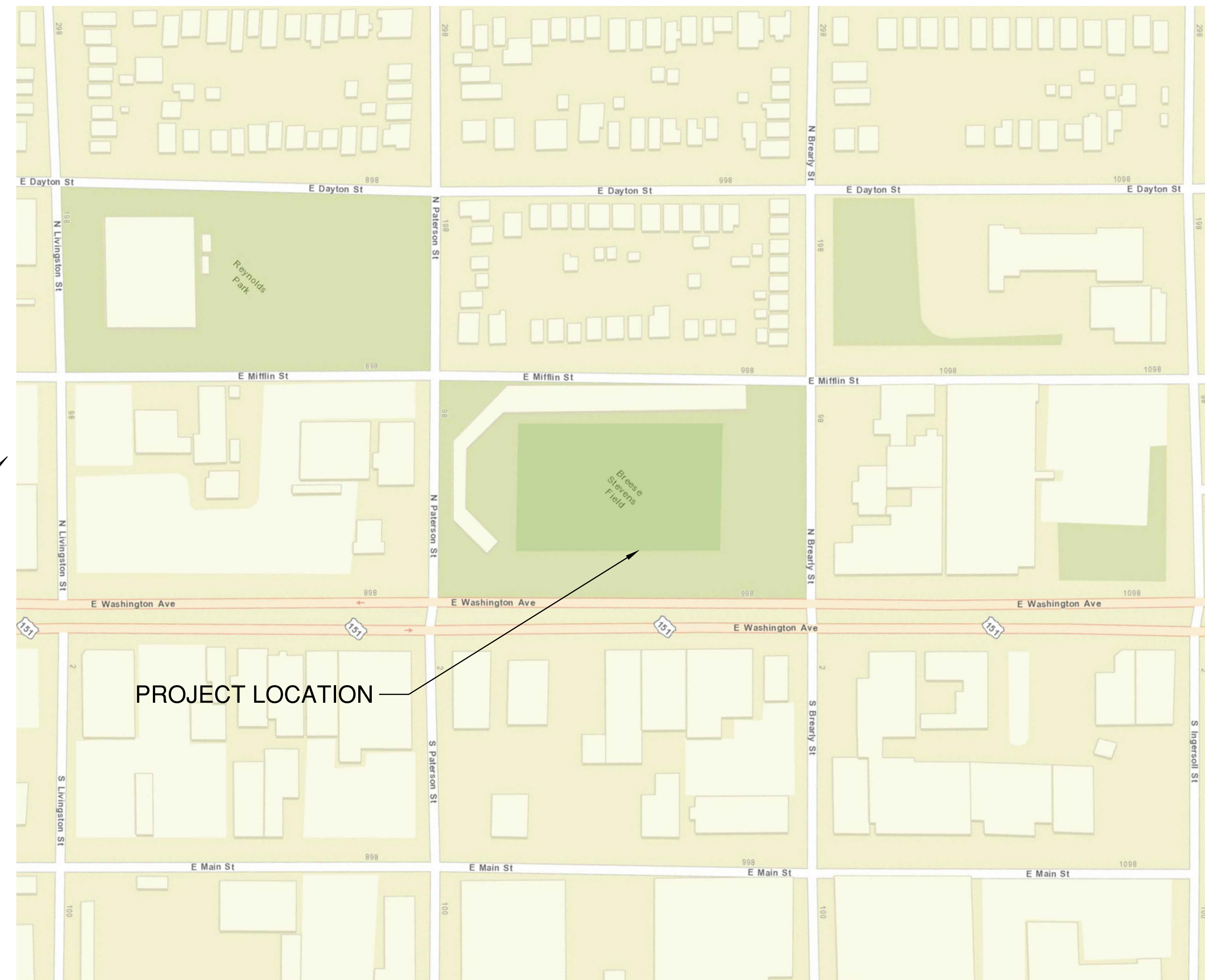
PROJECT INFORMATION:

PROJECT NUMBER: 20130215.00  
 DATE: 4/23/14  
 DRAWN BY: FKO  
 CHECKED BY: JMH  
 APPROVED BY: JFP  
 SCALE: AS SHOWN  
 FILE PATH: C\_00\_T100\_TITLE\_0215

SHEET TITLE:

TITLE SHEET

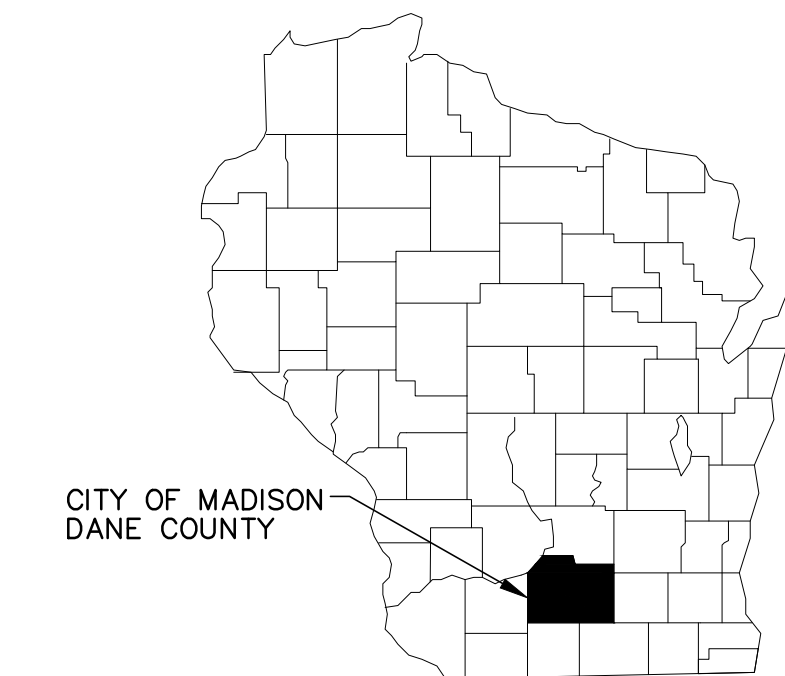
SHEET NUMBER:



VICINITY MAP

#### SHEET INDEX

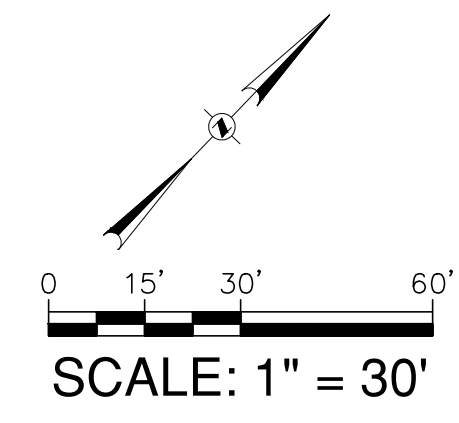
SHEET T001	TITLE SHEET
SHEET C001	TOPOGRAPHIC SURVEY
SHEET C100	DEMOLITION AND CONSTRUCTION STAGING PLAN
SHEET C200	EROSION CONTROL PLAN
SHEET C300	SITE LAYOUT AND STAKING PLAN
SHEET C400	SITE GRADING AND DRAINAGE PLAN
SHEET C900	CONSTRUCTION DETAILS
SHEET C901	CONSTRUCTION DETAILS
SHEET C902	CONSTRUCTION DETAILS
SHEET L100	IRRIGATION PLAN AND DETAILS



# T001

One Honey Creek Corporate Center  
125 South 84th Street, Suite 401  
Milwaukee, WI 53214-1469  
414 / 259 1500  
414 / 259 0037 fax

www.graef-usa.com



CONSULTANTS:

PROJECT TITLE:

BREESE STEVENS FIELD  
MADISON, WISCONSIN

ISSUE:

NO.	DATE	REVISIONS	BY

PROJECT INFORMATION:

PROJECT NUMBER:	20130215.00
DATE:	4/23/14
DRAWN BY:	FKO
CHECKED BY:	JMH
APPROVED BY:	JFP
SCALE:	AS SHOWN
FILE PATH:	C:\00_C001_SURVEY_0215

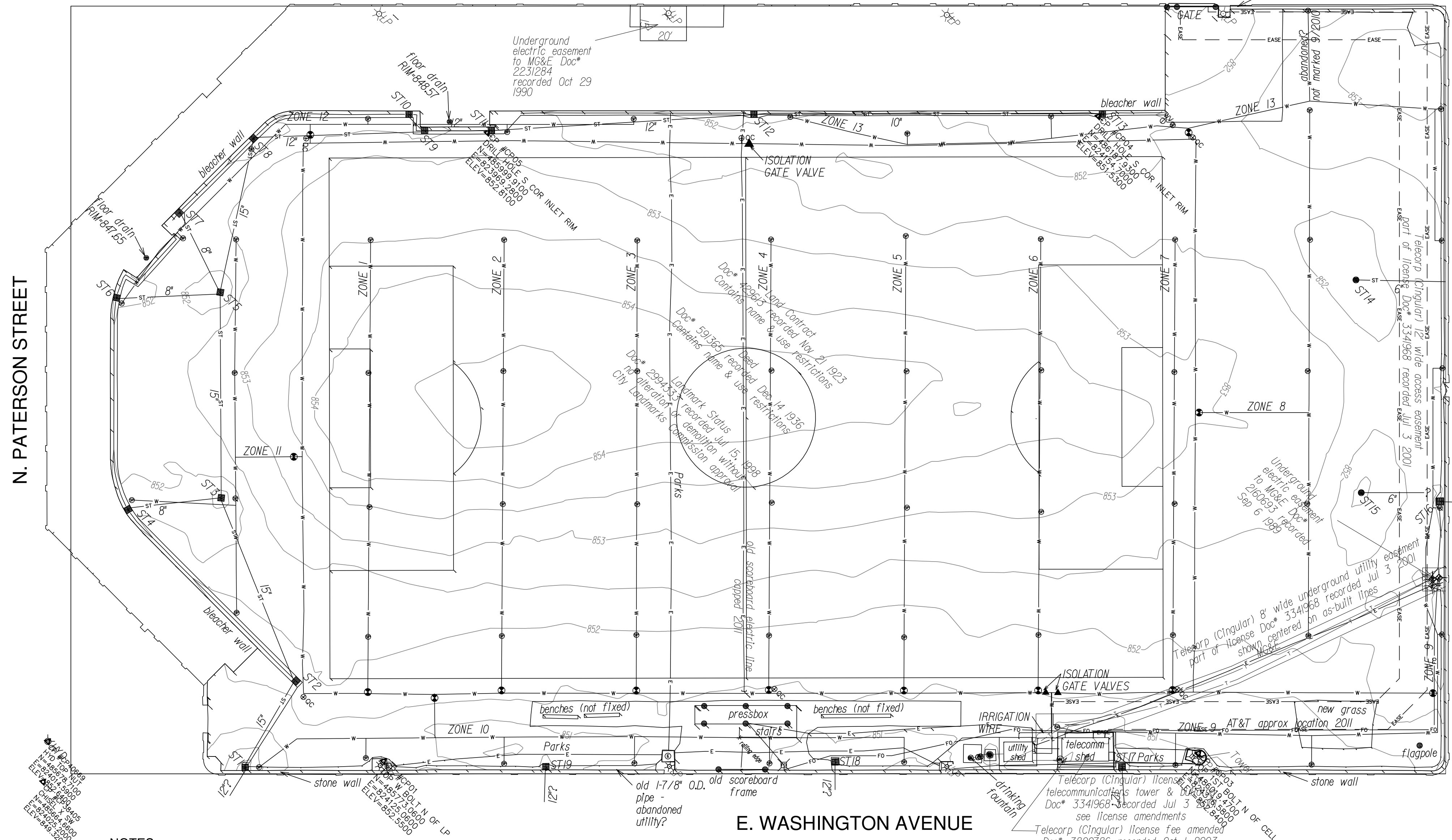
SHEET TITLE:

TOPOGRAPHIC SURVEY

SHEET NUMBER:

# C001

## E. MIFFLIN STREET



- EXISTING STORM SEWER ELEVATIONS:
- ST1: Inlet (old 30x30in grate) RIM=849.91  
FLOOR=847.49  
Pipe to SE = 12in Cast Iron? INV=847.64 +/-  
Pipe from NW = 15in Corrug Plastic INV=847.64
  - ST2: Inlet Grate Sag=851.56  
FLOOR=847.96  
Pipe to SE = 15in Corrug Plastic INV=847.91  
Pipe from NW = 15in Corrug Plastic INV=847.88
  - ST3: Inlet (flat) RIM=851.40  
FLOOR=848.02  
Pipe to SE = 15in Corrug Plastic INV=848.13  
Pipe from SW = 8in Corrug Plastic INV=848.05  
Pipe from NW = 15in Corrug Plastic INV=848.09
  - ST4: Inlet Grate Sag=851.81  
FLOOR=848.17  
Pipe to NE = 8in Corrug Plastic INV=848.24
  - ST5: Inlet (flat) RIM=851.63  
FLOOR=848.33  
Pipe to SE = 15in Corrug Plastic INV=848.48  
Pipe from SW = 8in Corrug Plastic INV=848.40  
Pipe from W = 8in Corrug Plastic INV=848.36  
Pipe from NW = 15in Corrug Plastic INV=848.48
  - ST6: Inlet Grate Sag=851.92  
FLOOR=848.33  
Pipe to NE = 8in Corrug Plastic INV=848.40
  - ST7: Inlet Grate Sag=852.13  
FLOOR=848.41  
Pipe to E = 8in Corrug Plastic INV=848.43
  - ST8: Inlet Grate Sag=851.68  
FLOOR=848.33  
Pipe to SE = 15in Corrug Plastic INV=848.49  
Pipe from NE = 12in Corrug Plastic INV=848.42
  - ST9: Inlet Grate Sag=852.18  
FLOOR=848.61  
Pipe to SW = 12in Corrug Plastic INV=848.67  
Pipe from W = 8in Corrug Plastic INV=848.74  
Pipe from NE = 12in Corrug Plastic INV=848.66
  - ST10: Inlet Grate Sag=852.03  
FLOOR=848.63  
Pipe to E = 8in Corrug Plastic INV=848.71
  - ST11: Inlet Grate Sag=852.72  
FLOOR=848.80  
Pipe to SW = 12in Corrug Plastic INV=848.75  
Pipe from NE = 12in Corrug Plastic INV=848.72
  - ST12: Inlet Grate Sag=851.62  
FLOOR=848.89  
Pipe to SW = 12in Corrug Plastic INV=848.99  
Pipe from NE = 10in Corrug Plastic INV=848.95
  - ST13: Inlet Grate Sag=851.45  
FLOOR=849.41  
Pipe to SW = 10in Corrug Plastic INV=849.49
  - ST14: Inlet 15in diam grate RIM=851.49  
Tub-style 6in pipe to NE, bend INV=848.03 +/-
  - ST15: Inlet 15in diam grate RIM=851.23  
Tub-style 6in pipe to NE, bend INV=848.09 +/-  
(outlet not found in ST16)
  - ST16: Inlet (old tilted 30x30in grate) RIM=851.91 +/-  
Pipe to NE = 10-12in? Cast Iron? INV=848.38 +/-
  - ST17: Inlet (old 30x30in grate) RIM=849.81  
FLOOR=846.80  
Pipe to SE = 12in? Cast Iron? INV=847.85 +/-
  - ST18: Inlet (old 30x30in grate) RIM=850.56  
FLOOR=847.81  
Pipe to SE = 12in? Cast Iron? INV=847.86 +/-
  - ST19: Inlet (old 30x30in loose grate) RIM=850.29 +/-  
FLOOR=847.77  
Pipe to SE = 12in? Cast Iron? INV=848.26 +/-

### LEGEND

- ▲ CONTROL POINT
- ☼ FIRE HYDRANT
- ⊙ WATER VALVE
- ⊗ LIGHT POLE
- ⊕ ELECTRIC MANHOLE
- STORM INLET
- SPRINKLER
- ⊕ TELEPHONE PEDESTAL
- ⊕ ELECTRIC PEDESTAL
- ⊕ FIBER OPTIC PEDESTAL
- ⊕ IRRIGATION VALVE
- CATCH BASIN
- ⊕ IRRIGATION VALVE
- ▲ ISOLATION VALVE
- E- BURIED ELECTRIC LINE
- T- BURIED TELEPHONE LINE
- FO- BURIED FIBER OPTIC LINE
- W- BURIED WATER LINE
- ST- BURIED STORM SEWER

### NOTES:

Date(s) of field work: Sept 23-24, 2013 (also utilities & pressbox 2010-2012)

Horizontal coordinates are Dane County Coordinates, U.S. survey feet, NAD83(2007) datum, computed from a combined adjustment of total station measurements and RTK GPS measurements from the Emil Street base station (MAON) at 43°02'12.78277"N, 89°24'34.27099"W (Easting 814386.20, Northing 466619.89 U.S. survey feet). The Wisconsin Coordinate Reference Systems (WISCRS) parameters were used to compute Easting, Northing coordinates. See [http://gis.cityofmadison.com/Madison\\_GPS](http://gis.cityofmadison.com/Madison_GPS) and <http://www.sco.wisc.edu/coorsys/>

Elevations are in the NAVD83(1991) datum (i.e. the original adjustment), determined from the same adjustment as for the horizontal coordinates, from the Emil Street base station at ellipsoid height 815.92 ft (bottom of antenna mount), 2007 NAD 83 datum. The GEOID03 geoid model was modified based on an analysis of 34 area NGS stations (Origin N=469260 E=814396 U.S. ft, shift =0.087 ft, 1/s E=+1.7 ppm & N=-0.9 ppm) to compute pre-2007 NAVD83 elevations. See [http://gis.cityofmadison.com/Madison\\_GPS](http://gis.cityofmadison.com/Madison_GPS) & <http://dianrodman.tripod.com>

Coordinates match 2007 survey by MSA for Stadium Renovation within 0.05 ft horizontal & 0.02 ft vertical - see M:\DESIGN\PARKS\BreesStevens\RawData\ED-09-03 Topo for press box ADJUSTMENT\Dan's Notes.txt

Locations of public utilities are based on Digger's Hotline ticket #20103815149; drawings obtained from the City of Madison Engineering Division; and visible above-ground structures. Additional buried utilities or structures may be encountered. No excavations were made to locate utilities, and this map does not attempt to show condition or capacity of any utility or service facility. Contact Digger's Hotline at (608) 242-8511 before excavating.

All surface and subsurface improvements on and adjacent to the site are not necessarily shown.

Except as specifically stated or shown, this map does not show easements, building setbacks, zoning and land use restrictions, covenants, or any other restrictions or benefits that a current and accurate title search may disclose.

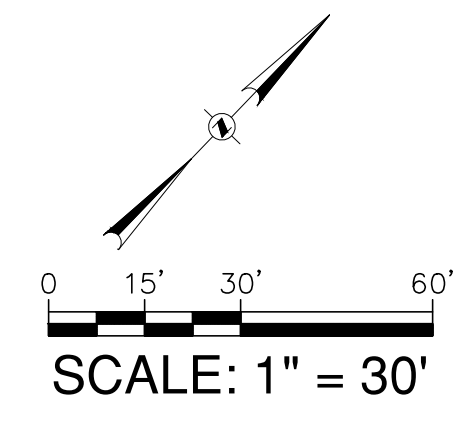
File: M:\DESIGN\SURVEY\PARKS\BREESESTEVENS\BRSSSTV\_SURV2013-09-24.DGN

NOTICE:  
In accordance with Wisconsin statute 182.0175, damage to transmission facilities, excavator shall be solely responsible to provide advance notice to the designated "ONE CALL SYSTEM" not less than three working days prior to commencement of any excavation required to perform work contained on this drawing, and further, excavator shall comply with all other requirements of this statute relative to excavator's work.

DISCLAIMER:  
The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

One Honey Creek Corporate Center  
 125 South 84th Street, Suite 401  
 Milwaukee, WI 53214-1469  
 414 / 259 1500  
 414 / 259 0037 fax

www.graef-usa.com



CONSULTANTS:

PROJECT TITLE:

BREESE STEVENS FIELD  
 MADISON, WISCONSIN

ISSUE:  
 NO. DATE REVISIONS BY

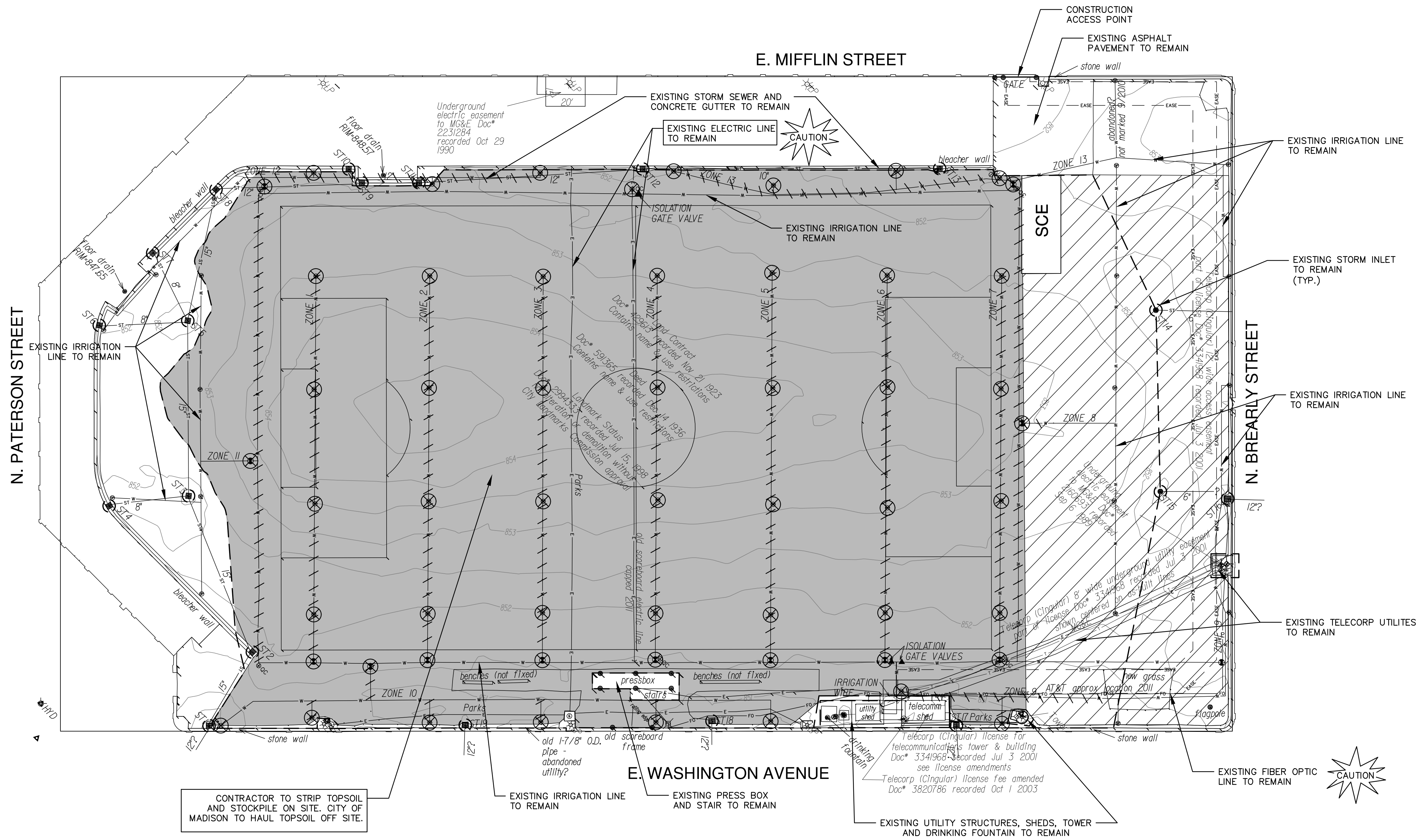
PROJECT INFORMATION:

PROJECT NUMBER: 20130215.00  
 DATE: 4/23/14  
 DRAWN BY: FKO  
 CHECKED BY: JMH  
 APPROVED BY: JFP  
 SCALE: AS SHOWN  
 FILE PATH: C\_00\_C100\_DEMO\_0215

SHEET TITLE:

DEMOLITION AND CONSTRUCTION STAGING PLAN

SHEET NUMBER:



**SURVEY LEGEND**

- ▲ CONTROL POINT
- ⊕ FIRE HYDRANT
- ⊙ WATER VALVE
- ⋆ L.P. LIGHT POLE
- ⊙ ELECTRIC MANHOLE
- STORM INLET
- SPRINKLER
- ⊕ TELEPHONE PEDESTAL
- ⊕ ELECTRIC PEDESTAL
- ⊕ FIBER OPTIC PEDESTAL
- ⊙ IRRIGATION VALVE
- CATCH BASIN
- ⊙ IRRIGATION VALVE
- ▲ ISOLATION VALVE
- E- BURIED ELECTRIC LINE
- T- BURIED TELEPHONE LINE
- FO- BURIED FIBER OPTIC LINE
- W- BURIED WATER LINE
- ST- BURIED STORM SEWER

**LEGEND**

- ⊗ -IRRIGATION SPRAY HEAD REMOVAL
- SCE -STONE CONSTRUCTION ENTRANCE
- /// -IRRIGATION REMOVAL
- - - - -PROPOSED GRADING LIMITS
- -TOPSOIL STRIP
- ▨ -CONSTRUCTION STAGING/MATERIAL STOCKPILE AREA
- -EXISTING STRUCTURE TO REMAIN

**REMOVAL NOTES**

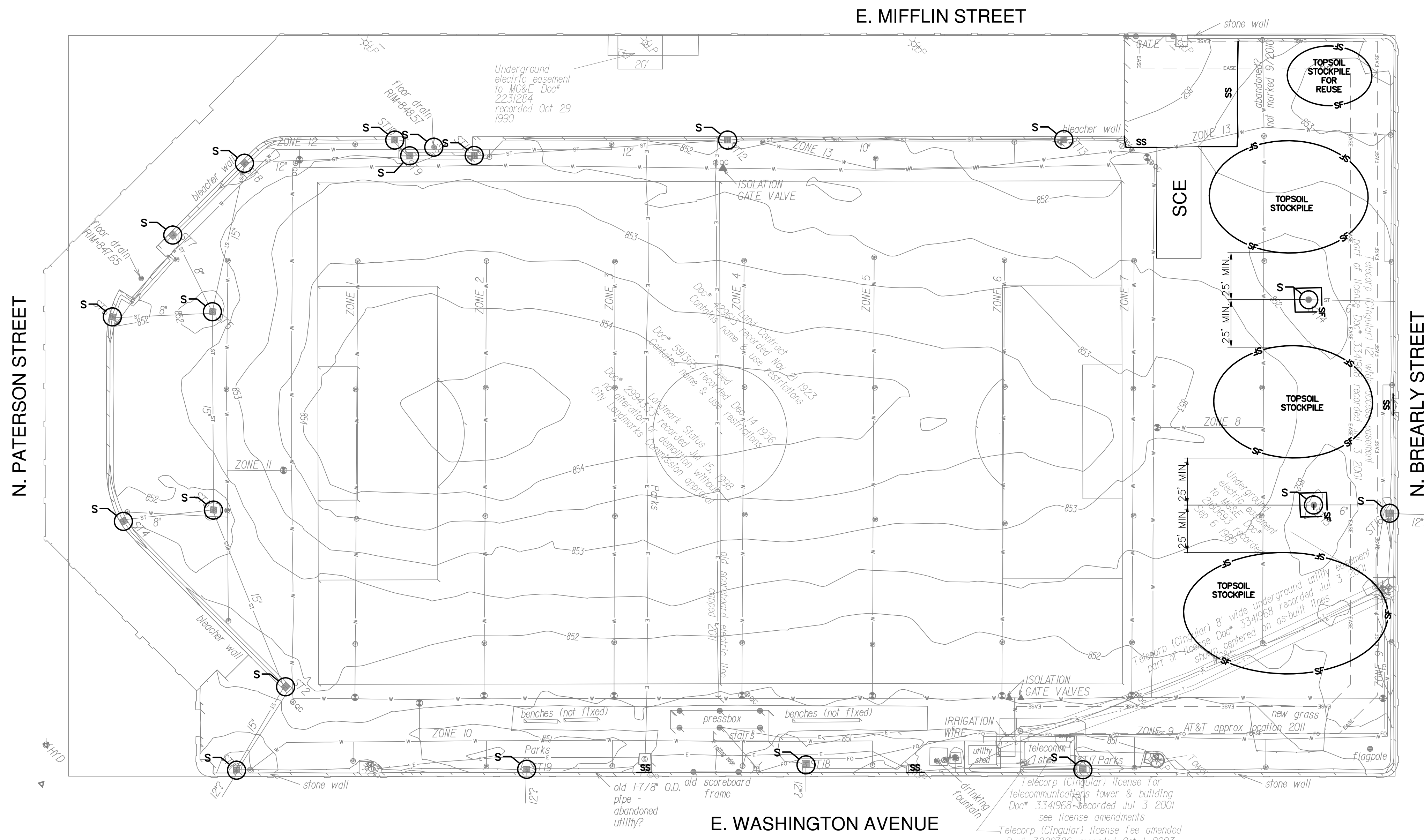
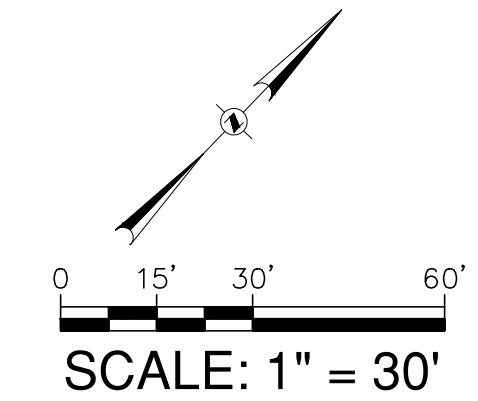
1. CONTRACTOR SHALL VERIFY ALL EXISTING LINES NOTED FOR REMOVAL. EXISTING UTILITIES THAT ARE TO BE REMOVED SHALL BE REMOVED TO THE LOCATIONS INDICATED ON THIS PLAN. ALL UTILITY STRUCTURES LOCATED ALONG REMOVED UTILITY LINES SHALL BE REMOVED IN THEIR ENTIRETY.
2. CONTRACTOR IS RESPONSIBLE FOR SECURING THE JOB SITE TO PROTECT THE PUBLIC.
3. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH LOCAL ORDINANCES FOR DUST CONTROL.
4. CONTRACTOR SHALL REPLACE PAVEMENT, CURB AND GUTTER, TREES, LAWN AREA, ANY ABOVE GROUND APPURTENANCES, OR ANY OTHER ITEM THAT WAS DAMAGED AS A RESULT OF CONSTRUCTION RELATED ACTIVITIES AS DEEMED BY OWNER THAT WAS NOT CALLED OUT FOR REMOVAL OR REPLACEMENT. CONTRACTOR SHALL REPLACE/REPAIR DAMAGED ITEM TO THE SATISFACTION OF OWNER AT NO ADDITIONAL COST TO THE OWNER.

**GENERAL NOTES**

1. THE BASE SURVEY WAS PREPARED BY CITY OF MADISON PARKS DIVISION IN SEPTEMBER OF 2013. ALL UNDERGROUND UTILITIES AND STRUCTURES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE THERETO.
2. REFER TO SHEET C001 FOR BENCHMARKS, DATUM, AND TOPOGRAPHIC ELEMENTS.
3. CONTRACTOR SHALL VERIFY LOCATION OF PROPOSED WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.

**NOTICE:**  
 In accordance with Wisconsin statute 182.0175, damage to transmission facilities, excavator shall be solely responsible to provide advance notice to the designated "ONE CALL SYSTEM" not less than three working days prior to commencement of any excavation required to perform work contained on this drawing, and further, excavator shall comply with all other requirements of this statute relative to excavator's work.

**DISCLAIMER:**  
 The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantees that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.



### GENERAL NOTES

1. THE BASE SURVEY WAS PREPARED BY CITY OF MADISON PARKS DIVISION IN SEPTEMBER OF 2013. ALL UNDERGROUND UTILITIES AND STRUCTURES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE THERETO.
2. REFER TO SHEET C001 FOR BENCHMARKS, DATUM, AND TOPOGRAPHIC ELEMENTS.
3. CONTRACTOR SHALL VERIFY LOCATION OF PROPOSED WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.

### LEGEND

- SCE - STONE CONSTRUCTION ENTRANCE
- SILT FENCE
- INLET PROTECTION
- SS - SILT SOCK

15. ALL DISTURBED GROUND LEFT INACTIVE FOR SEVEN OR MORE DAYS SHALL BE STABILIZED BY TEMPORARY OR PERMANENT SEEDING, AND MULCHING SODDING, COVERING WITH TARPS, OR EQUIVALENT BEST MANAGEMENT PRACTICES. IF TEMPORARY SEEDING IS USED, A PERMANENT COVER SHALL ALSO BE REQUIRED AS PART OF THE FINAL SITE STABILIZATION. SEEDING OR SODDING SHALL BE REQUIRED AS PART OF THE FINAL SITE STABILIZATION.
16. PERMANENT SEEDING SHALL BE ESTABLISHED NO LATER THAN SEPTEMBER 15TH. IF PERMANENT SEEDING IS NOT ESTABLISHED, TEMPORARY SEEDING SHALL BE ESTABLISHED NO LATER THAN OCTOBER 15TH. ALL SEEDED AREAS MUST BE MULCHED AT A RATE OF 1.5 TO 2 TONS PER ACRE AND ANCHORED BY EITHER CRIMPING OR BY APPLYING A TACKIFIER.
17. PERMANENT SEED MIX SHALL BE WISDOT SEED MIX NO. 40 AT 7 POUNDS PER 1000 SQUARE FEET.
18. USE ANNUAL RYE SEED MIX AT 100 POUNDS PER ACRE AS A TEMPORARY SEED MIX. PERMANENT SEEDING SHALL FOLLOW WITHIN ONE YEAR. IF TEMPORARY SEEDING IS NOT ESTABLISHED BY OCTOBER 15TH, USE CLASS I TYPE B MATTING ON ALL SLOPES 4:1 OR STEEPER.
19. SOIL OR DIRT STORAGE PILES SHALL BE LOCATED A MINIMUM OF TWENTY-FIVE FEET FROM ANY DOWNSLOPE ROAD, LAKE, STREAM, WETLAND, OR DRAINAGE CHANNEL. STRAW BALE OR FILTER FABRIC FENCES SHALL BE PLACED ON THE DOWN SLOPE SIDE OF THE PILE. IF REMAINING FOR MORE THAN THIRTY DAYS, PILES SHALL BE STABILIZED BY MULCHING, VEGETATIVE COVER, TARPS, OR OTHER MEANS.
20. WHEN THE DISTURBED AREA HAS BEEN STABILIZED BY PERMANENT VEGETATION OR OTHER MEANS, TEMPORARY BEST MANAGEMENT PRACTICES SUCH AS FILTER FABRIC FENCES, STRAW BALES, SEDIMENT AND SEDIMENT TRAPS SHALL BE REMOVED.
21. NOTIFY THE CITY WITHIN TWO WORKING DAYS OF COMMENCING ANY LAND DEVELOPMENT OR LAND DISTURBING ACTIVITY.
22. NOTIFY THE CITY OF COMPLETION OF ANY BEST MANAGEMENT PRACTICES WITHIN THE NEXT WORKING DAY AFTER THEIR INSTALLATION.
23. OBTAIN PERMISSION IN WRITING FROM THE CITY OF MADISON ENGINEERING DEPARTMENT PRIOR TO MODIFYING THE EROSION CONTROL PLAN. NOTIFY WDNR AT LEAST FIVE WORKING DAYS PRIOR TO IMPLEMENTING CHANGES TO THE EROSION CONTROL PLAN.
24. REPAIR ANY SILTATION OR EROSION DAMAGE TO ADJOINING SURFACES AND DRAINAGE WAYS RESULTING FROM LAND DEVELOPMENT OR LAND DISTURBING ACTIVITIES.
25. KEEP A COPY OF THE EROSION CONTROL PLAN ON SITE. INTERSECTING DIRECTIONS.

### EROSION CONTROL NOTES

1. CONSTRUCTION SITE EROSION CONTROL AND SEDIMENTATION CONTROL SHALL COMPLY WITH THE REQUIREMENTS OF THE CITY OF MADISON, AND SHALL EMPLOY EROSION CONTROL METHODS AS SHOWN AND SPECIFIED IN THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES (WDNR) "CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS".
2. ALL EROSION CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON THE SITE.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION AFTER A RAINFALL OF 0.5 INCHES OR MORE, BUT NO LESS THAN ONCE EVERY WEEK. MAINTENANCE OF ALL EROSION CONTROL STRUCTURES SHALL BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED. REPAIRS AND MAINTENANCE SHALL BE COMPLETED WITHIN 24 HOURS OF INSPECTION. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP AND REMOVAL OF ALL SEDIMENT WHEN LEAVING PROPERTY. EROSION CONTROL MEASURES MUST BE IN WORKING CONDITION AT END OF EACH WORK DAY.
4. SILT FENCE SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS. SEDIMENT DEPOSITS WILL BE REMOVED FROM BEHIND THE SILT FENCE WHEN DEPOSITS REACH A DEPTH OF 6 INCHES. THE SILT FENCE WILL BE REPAIRED OR REPLACED AS NECESSARY TO MAINTAIN A BARRIER.
5. FILTER FABRIC SHALL BE INSTALLED BENEATH INLET COVERS TO TRAP SEDIMENT AS PER INLET PROTECTION DETAIL IN THE LOCATIONS SHOWN ON THE CONSTRUCTION PLANS.
6. CRUSHED STONE ENTRANCE SHALL BE MAINTAINED BY TURNING OVER THE STONE OR BY PLACING NEW STONE ONCE THE SURFACE BECOMES CLOGGED WITH SEDIMENT.
7. EROSION CONTROL MEASURES SHALL BE MAINTAINED ON A CONTINUING BASIS UNTIL SITE IS FULLY STABILIZED.
8. PERIODIC STREET SWEEPING SHALL BE COMPLETED TO MAINTAIN THE PUBLIC STREET FREE OF DUST AND DIRT.
9. SILT FENCE SHALL BE INSTALLED IN HORSESHOE FASHION AROUND ALL TOPSOIL AND FILL STOCKPILES. NOTIFY CITY OF MADISON OF ANY NEW STOCKPILE LOCATIONS.
10. CONSTRUCTION SEQUENCE FOR EROSION CONTROL INCLUDES:
  1. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
  2. INSTALL SILT FENCE, SILT SOCK, EROSION BALES, AND INLET PROTECTION.
  3. STRIP TOPSOIL AND STOCK PILE ON SITE FOR CITY OF MADISON TO HAUL OFFSITE.
  4. PERFORM ROUGH GRADING.
  5. INSTALL UTILITIES.
  6. PERFORM FINISHED GRADING.
  7. INSTALL SYNTHETIC TURF.
  8. INSTALL LANDSCAPING ON COMPLETED SITE WITHIN 7 DAYS OF COMPLETING CONSTRUCTION.
  9. REMOVE EROSION CONTROL MEASURES ONLY WHEN SITE IS FULLY STABILIZED.
11. SITE DEWATERING. WATER PUMPED FROM THE SITE SHALL BE TREATED BY SEDIMENT BASINS OR OTHER APPROPRIATE BEST MANAGEMENT PRACTICES SPECIFIED IN THE WDNR "CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS". WATER SHALL NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE, ADJACENT SITES, OR RECEIVING CHANNELS.
12. WASTE AND MATERIAL DISPOSAL. ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS, OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.
13. TRACKING. EACH SITE SHALL HAVE GRAVELED ROADS, ACCESS DRIVES AND PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH TO PREVENT SEDIMENT FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SEDIMENT REACHING A PUBLIC OR PRIVATE ROAD SHALL BE REMOVED BY STREET CLEANING, TO THE SATISFACTION OF THE CITY, BEFORE THE END OF EACH WORKDAY. FLUSHING MAY NOT BE USED UNLESS SEDIMENT WILL BE CONTROLLED BY A SEDIMENT BASIN OR OTHER APPROPRIATE BEST MANAGEMENT PRACTICE SPECIFIED IN THE WDNR "CONSTRUCTION SITE EROSION AND SEDIMENT CONTROL TECHNICAL STANDARDS". NOTIFY CITY OF MADISON FOR CHANGES IN STABILIZED CONSTRUCTION ENTRANCE LOCATION.
14. SEDIMENT CLEANUP. ALL OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF A STORM EVENT SHALL BE CLEANED UP BY THE END OF THE NEXT WORK DAY. ALL OTHER OFF-SITE SEDIMENT DEPOSITS OCCURRING AS A RESULT OF CONSTRUCTION ACTIVITIES SHALL BE CLEANED UP BY THE END OF THE THE WORK DAY.

**NOTICE:**  
In accordance with Wisconsin statute 182.0175, damage to transmission facilities, excavator shall be solely responsible to provide advance notice to the designated "ONE CALL SYSTEM" not less than three working days prior to commencement of any excavation required to perform work contained on this drawing, and further, excavator shall comply with all other requirements of this statute relative to excavator's work.

**DISCLAIMER:**  
The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantee that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

### PROJECT INFORMATION:

PROJECT NUMBER: 20130215.00

DATE: 4/23/14

DRAWN BY: FKO

CHECKED BY: JMH

APPROVED BY: JFP

SCALE: AS SHOWN

FILE PATH: C:\00\_C200\_EROSION\_0215

### SHEET TITLE:

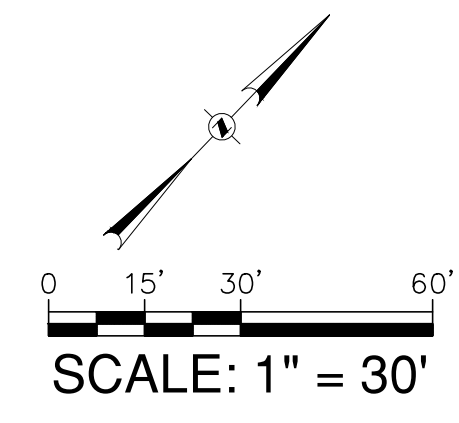
EROSION CONTROL PLAN

### SHEET NUMBER:

C200

One Honey Creek Corporate Center  
125 South 84th Street, Suite 401  
Milwaukee, WI 53214-1469  
414 / 259 1500  
414 / 259 0037 fax

www.graef-usa.com



CONSULTANTS:

PROJECT TITLE:

BREESE STEVENS FIELD  
MADISON, WISCONSIN

ISSUE:

NO.	DATE	REVISIONS	BY

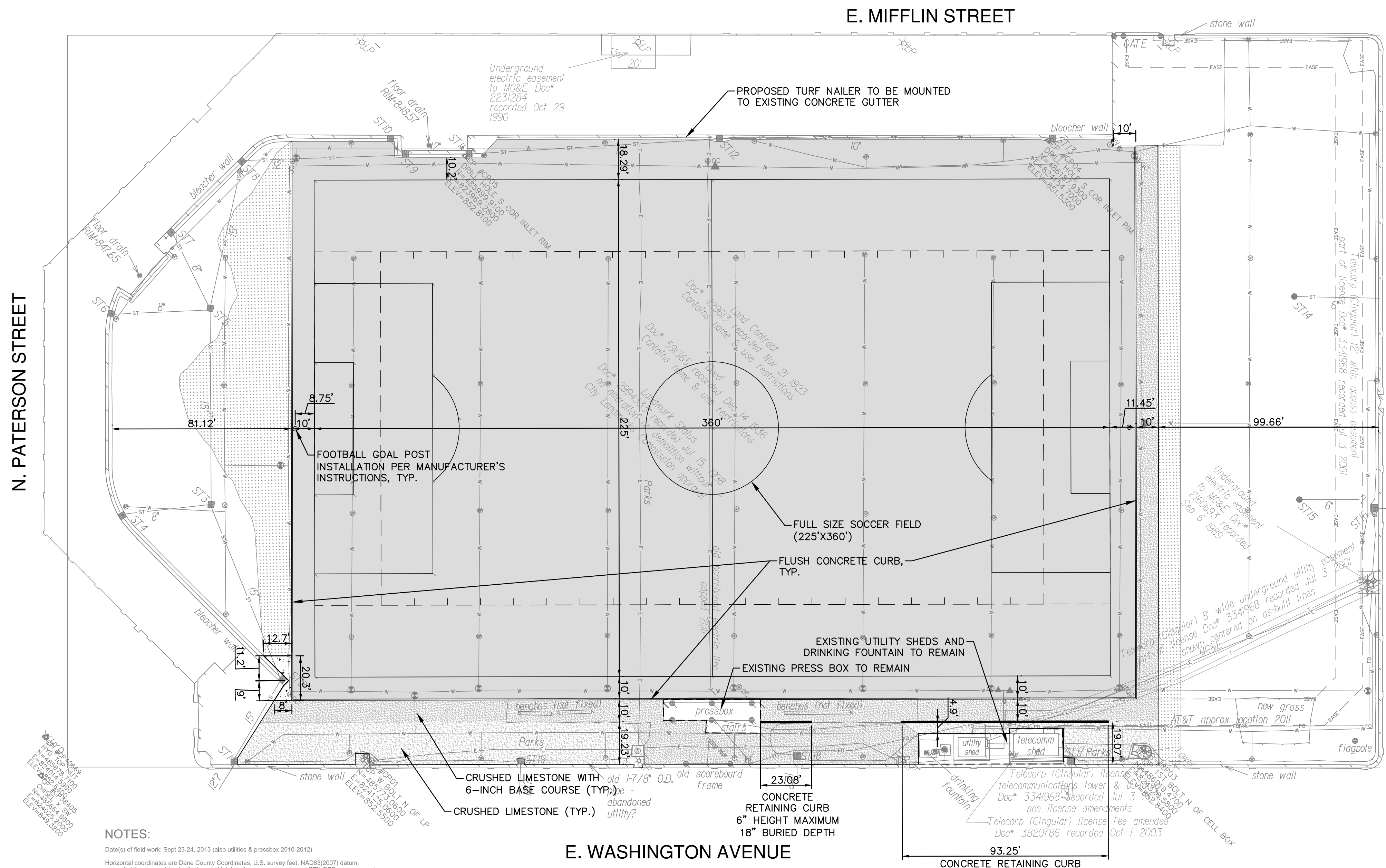
PROJECT INFORMATION:

PROJECT NUMBER: 20130215.00  
DATE: 4/23/14  
DRAWN BY: FKO  
CHECKED BY: JMH  
APPROVED BY: JFP  
SCALE: AS SHOWN  
FILE PATH: C:\00\_C300\_SITE\_LAYOUT\_0215

SHEET TITLE:

SITE LAYOUT AND STAKING PLAN

SHEET NUMBER:



- EXISTING STORM SEWER ELEVATIONS:
- ST1: Inlet (old 30x30in grate) RIM=849.91  
FLOOR=847.49  
Pipe to SE = 12in Cast Iron? INV=847.64 +/-  
Pipe from NW = 15in Corrug Plastic INV=847.64
  - ST2: Inlet Grate Sag=851.56  
FLOOR=847.96  
Pipe to SE = 15in Corrug Plastic INV=847.91  
Pipe from NW = 15in Corrug Plastic INV=847.88
  - ST3: Inlet (flat) RIM=851.40  
FLOOR=848.02  
Pipe to SE = 15in Corrug Plastic INV=848.13  
Pipe from SW = 8in Corrug Plastic INV=848.05  
Pipe from NW = 15in Corrug Plastic INV=848.09
  - ST4: Inlet Grate Sag=851.81  
FLOOR=848.17  
Pipe to NE = 8in Corrug Plastic INV=848.24
  - ST5: Inlet (flat) RIM=851.63  
FLOOR=848.33  
Pipe to SE = 15in Corrug Plastic INV=848.48  
Pipe from SW = 8in Corrug Plastic INV=848.40  
Pipe from W = 8in Corrug Plastic INV=848.36  
Pipe from NW = 15in Corrug Plastic INV=848.48
  - ST6: Inlet Grate Sag=851.92  
FLOOR=848.36  
Pipe to NE = 8in Corrug Plastic INV=848.40
  - ST7: Inlet Grate Sag=852.13  
FLOOR=848.41  
Pipe to E = 8in Corrug Plastic INV=848.43
  - ST8: Inlet Grate Sag=851.68  
FLOOR=848.34  
Pipe to SE = 15in Corrug Plastic INV=848.49  
Pipe from NE = 12in Corrug Plastic INV=848.42
  - ST9: Inlet Grate Sag=852.18  
FLOOR=848.61  
Pipe to SW = 12in Corrug Plastic INV=848.67  
Pipe from W = 8in Corrug Plastic INV=848.74  
Pipe from NE = 12in Corrug Plastic INV=848.66
  - ST10: Inlet Grate Sag=852.03  
FLOOR=848.63  
Pipe to E = 8in Corrug Plastic INV=848.71
  - ST11: Inlet Grate Sag=852.72  
FLOOR=848.80  
Pipe to SW = 12in Corrug Plastic INV=848.75  
Pipe from NE = 12in Corrug Plastic INV=848.72
  - ST12: Inlet Grate Sag=851.62  
FLOOR=848.89  
Pipe to SW = 12in Corrug Plastic INV=848.99  
Pipe from NE = 10in Corrug Plastic INV=848.95
  - ST13: Inlet Grate Sag=851.45  
FLOOR=849.41  
Pipe to SW = 10in Corrug Plastic INV=849.49
  - ST14: Inlet 15in diam grate RIM=851.49  
Tub-style 6in pipe to NE, bend INV=848.03 +/-
  - ST15: Inlet 15in diam grate RIM=851.23  
Tub-style 6in pipe to NE, bend INV=848.09 +/-  
(outlet not found in ST16)
  - ST16: Inlet (old tilted 30x30in grate) RIM=851.91 +/-  
Pipe to NE = 10-12in? Cast Iron? INV=848.38 +/-
  - ST17: Inlet (old 30x30in grate) RIM=849.81  
FLOOR=846.80  
Pipe to SE = 12in? Cast Iron? INV=847.85 +/-
  - ST18: Inlet (old 30x30in grate) RIM=850.56  
FLOOR=847.81  
Pipe to SE = 12in? Cast Iron? INV=847.86 +/-
  - ST19: Inlet (old 30x30in loose grate) RIM=850.29 +/-  
FLOOR=847.77  
Pipe to SE = 12in? Cast Iron? INV=848.26 +/-

**NOTES:**  
Date(s) of field work: Sept 23-24, 2013 (also utilities & pressbox 2010-2012)  
Horizontal coordinates are Dane County Coordinates, U.S. survey feet, NAD83(2007) datum, computed from a combined adjustment of total station measurements and RTK GPS measurements from the Emil Street base station (MAON) at 43°02'12.78277"N, 89°24'34.27099"W (Easting 814386.20, Northing 466018.89 U.S. survey feet). The Wisconsin Coordinate Reference Systems (WISCRS) parameters were used to compute Easting, Northing coordinates. See [http://gis.cityofmadison.com/Madison\\_GPS](http://gis.cityofmadison.com/Madison_GPS) & <http://www.sco.wisc.edu/coordsys/>  
Elevations are in the NAVD83(1991) datum (i.e. the original adjustment), determined from the same adjustment as for the horizontal coordinates, from the Emil Street base station at ellipsoid height 815.92 ft (bottom of antenna mount), 2007 NAD 83 datum. The GEOID03 geoid model was modified based on an analysis of 34 area NGS stations (Origin N=468050 E=814386 U.S. ft, shift = -0.087 ft, 10E = +1.7 ppm & N=-0.9 ppm) to compute pre-2007 NAVD83 elevations. See [http://gis.cityofmadison.com/Madison\\_GPS](http://gis.cityofmadison.com/Madison_GPS) & <http://dianroman.tropi.com>  
Coordinates match 2007 survey by MSA for Stadium Renovation within 0.05 ft horizontal & 0.02 ft vertical - see M:\DESIGN\PARKS\Survey\BreesStevens\RawData\ED-09-03 Topo for press box ADJUSTMENT\Dian's Notes.txt  
Locations of public utilities are based on Digger's Hotline ticket #20103815149; drawings obtained from the City of Madison Engineering Division; and visible above-ground structures. Additional buried utilities or structures may be encountered. No excavations were made to locate utilities, and this map does not attempt to show condition or capacity of any utility or service facility. Contact Digger's Hotline at (800) 242-8511 before excavating.  
All surface and subsurface improvements on and adjacent to the site are not necessarily shown.  
Except as specifically stated or shown, this map does not show easements, building setbacks, zoning and land use restrictions, covenants, or any other restrictions or benefits that a current and accurate title search may disclose.  
File: M:\DESIGN\SURVEY\PARKS\BREESESTEVENS\BRSSTV\_SURV2013-09-24.DGN

### E. WASHINGTON AVENUE

### GENERAL NOTES

- THE BASE SURVEY WAS PREPARED BY CITY OF MADISON PARKS DIVISION IN SEPTEMBER OF 2013. ALL UNDERGROUND UTILITIES AND STRUCTURES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE THERETO.
- REFER TO SHEET C001 FOR BENCHMARKS, DATUM, AND TOPOGRAPHIC ELEMENTS.
- CONTRACTOR SHALL VERIFY LOCATION OF PROPOSED WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.

### LEGEND

- PROPOSED SYNTHETIC TURF (96,130 SF)
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CRUSHED Limestone OVER 6-INCH BASE COURSE
- PROPOSED CRUSHED Limestone
- PROPOSED LAWN RESTORATION
- PROPOSED FLUSH CONCRETE CURB
- PROPOSED SEGMENTAL BLOCK RETAINING WALL

**NOTICE:**  
In accordance with Wisconsin statute 182.0175, damage to transmission facilities, excavator shall be solely responsible to provide advance notice to the designated "ONE CALL SYSTEM" not less than three working days prior to commencement of any excavation required to perform work contained on this drawing, and further, excavator shall comply with all other requirements of this statute relative to excavator's work.

**DISCLAIMER:**  
The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantees that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

One Honey Creek Corporate Center  
125 South 84th Street, Suite 401  
Milwaukee, WI 53214-1469  
414 / 259 1500  
414 / 259 0037 fax

www.graef-usa.com

CONSULTANTS:

PROJECT TITLE:

BREESE STEVENS FIELD  
MADISON, WISCONSIN

ISSUE:  
NO. DATE REVISIONS BY

PROJECT INFORMATION:

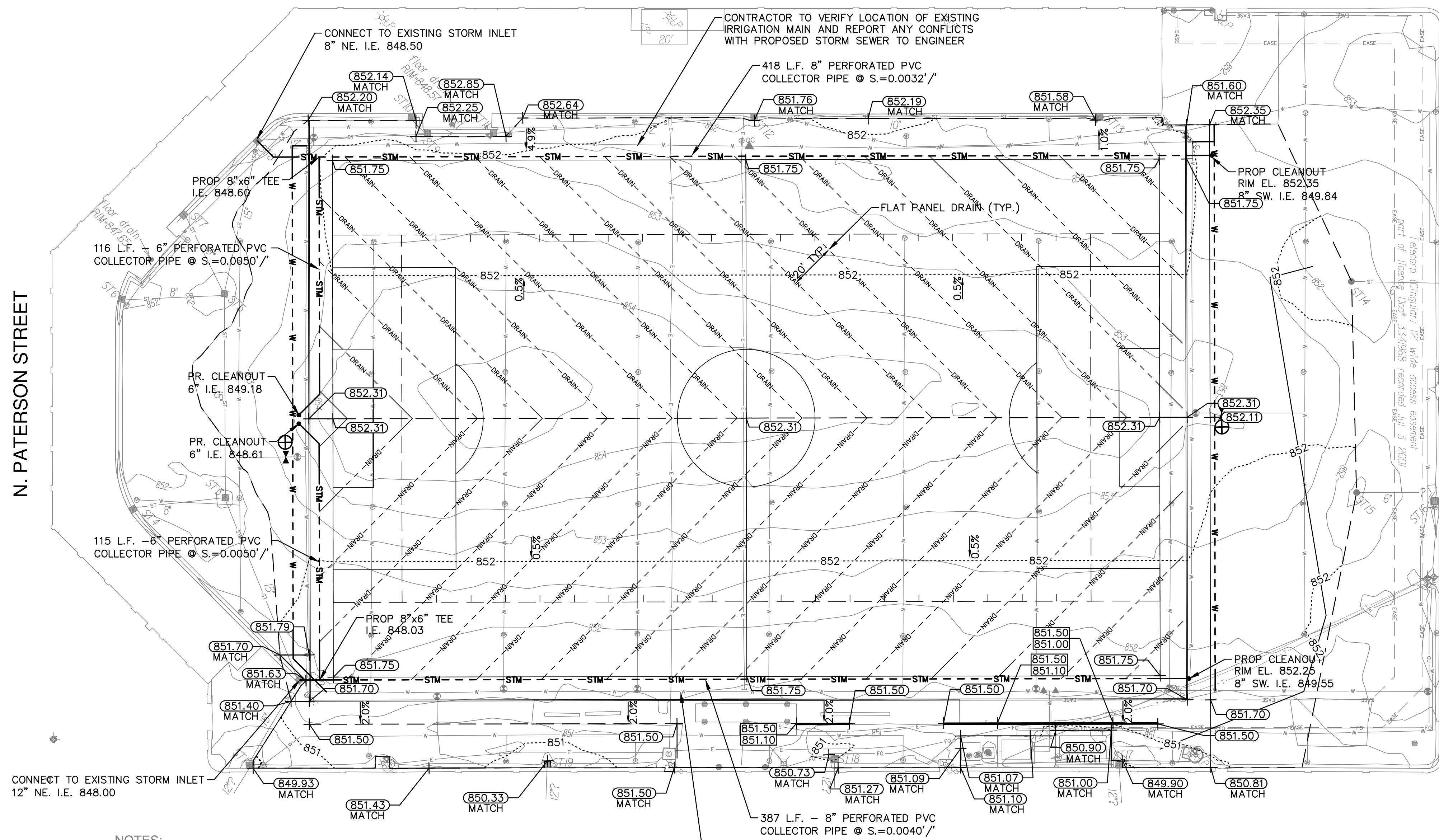
PROJECT NUMBER: 20130215.00  
DATE: 4/23/14  
DRAWN BY: FKO  
CHECKED BY: JMH  
APPROVED BY: JFP  
SCALE: AS SHOWN  
FILE PATH: C:\00\_C400\_GRADING\_0215

SHEET TITLE:

SITE GRADING AND DRAINAGE PLAN

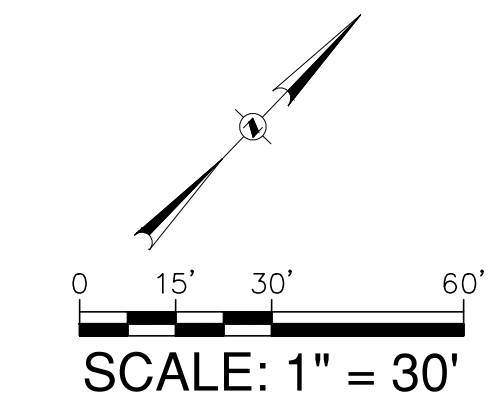
SHEET NUMBER:

## E. MIFFLIN STREET



### EXISTING STORM SEWER ELEVATIONS:

- ST1: Inlet (old 30x30in grate) RIM=849.91  
FLOOR=847.49  
Pipe to SE = 12in Cast Iron? INV=847.64 +/-  
Pipe from NW = 15in Corrug Plastic INV=847.64
- ST2: Inlet Gate Sag=851.56  
FLOOR=847.99  
Pipe to SE = 15in Corrug Plastic INV=847.91  
Pipe from NW = 15in Corrug Plastic INV=847.88
- ST3: Inlet (flat) RIM=851.40  
FLOOR=848.02  
Pipe to SE = 15in Corrug Plastic INV=848.13  
Pipe from SW = 8in Corrug Plastic INV=848.05  
Pipe from NW = 15in Corrug Plastic INV=848.09
- ST4: Inlet Gate Sag=851.81  
FLOOR=848.17  
Pipe to NE = 8in Corrug Plastic INV=848.24
- ST5: Inlet (flat) RIM=851.63  
FLOOR=848.33  
Pipe to SE = 15in Corrug Plastic INV=848.48  
Pipe from SW = 8in Corrug Plastic INV=848.40  
Pipe from W = 8in Corrug Plastic INV=848.36  
Pipe from NW = 15in Corrug Plastic INV=848.48
- ST6: Inlet Gate Sag=851.92  
FLOOR=848.36  
Pipe to NE = 8in Corrug Plastic INV=848.40
- ST7: Inlet Gate Sag=852.13  
FLOOR=848.41  
Pipe to E = 8in Corrug Plastic INV=848.43
- ST8: Inlet Gate Sag=851.68  
FLOOR=848.34  
Pipe to SE = 15in Corrug Plastic INV=848.49  
Pipe from NE = 12in Corrug Plastic INV=848.42
- ST9: Inlet Gate Sag=852.18  
FLOOR=848.61  
Pipe to SW = 12in Corrug Plastic INV=848.67  
Pipe from W = 8in Corrug Plastic INV=848.74  
Pipe from NE = 12in Corrug Plastic INV=848.66
- ST10: Inlet Gate Sag=852.03  
FLOOR=848.63  
Pipe to E = 8in Corrug Plastic INV=848.71
- ST11: Inlet Gate Sag=852.72  
FLOOR=848.80  
Pipe to SW = 12in Corrug Plastic INV=848.75  
Pipe from NE = 12in Corrug Plastic INV=848.72
- ST12: Inlet Gate Sag=851.62  
FLOOR=848.89  
Pipe to SW = 12in Corrug Plastic INV=848.99  
Pipe from NE = 10in Corrug Plastic INV=848.95
- ST13: Inlet Gate Sag=851.45  
FLOOR=849.41  
Pipe to SW = 10in Corrug Plastic INV=849.49
- ST14: Inlet 15in diam grate RIM=851.49  
Tub-style 6in pipe to NE, bend INV=848.03 +/-  
(outlet not found in ST16)
- ST15: Inlet 15in diam grate RIM=851.23  
Tub-style 6in pipe to NE, bend INV=848.09 +/-  
(outlet not found in ST16)
- ST16: Inlet (old tilted 30x30in grate) RIM=851.91 +/-  
Pipe to NE = 10-12in? Cast Iron? INV=848.38 +/-
- ST17: Inlet (old 30x30in grate) RIM=849.81  
FLOOR=846.80  
Pipe to SE = 12in? Cast Iron? INV=847.85 +/-
- ST18: Inlet (old 30x30in grate) RIM=850.56  
FLOOR=847.81  
Pipe to SE = 12in? Cast Iron? INV=847.86 +/-
- ST19: Inlet (old 30x30in loose grate) RIM=850.29 +/-  
FLOOR=847.77  
Pipe to SE = 12in? Cast Iron? INV=848.26 +/-



### LEGEND

- ▲ CONTROL POINT
- ⊕ EX FIRE HYDRANT
- ⊙ EX WATER VALVE
- ⊕ EX LIGHT POLE
- ⊙ EX ELECTRIC MANHOLE
- EX STORM INLET
- EX SPRINKLER
- ⊕ EX TELEPHONE PEDESTAL
- ⊕ EX ELECTRIC PEDESTAL
- ⊕ EX FIBER OPTIC PEDESTAL
- ⊕ EX IRRIGATION VALVE
- EX CATCH BASIN
- ⊕ EX IRRIGATION VALVE
- ▲ EX ISOLATION VALVE
- E— EX BURIED ELECTRIC LINE
- T— EX BURIED TELEPHONE LINE
- FO— EX BURIED FIBER OPTIC LINE
- W— EX BURIED WATER LINE
- ST— EX BURIED STORM SEWER
- DRAIN— PR SYNTHETIC TURF FLAT PANEL DRAIN
- STM— PR STORM SEWER
- PR CLEANOUT
- .....852..... PR CONTOUR
- — — PR GRADING LIMIT LINE
- ==== PR RETAINING WALL
- + (851.50) PR SPOT GRADE
- + (851.50) PR TOP OF WALL
- + (851.00) PR BOTTOM OF WALL

### GENERAL NOTES

1. THE BASE SURVEY WAS PREPARED BY CITY OF MADISON PARKS DIVISION IN SEPTEMBER OF 2013. ALL UNDERGROUND UTILITIES AND STRUCTURES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE THERETO.
2. REFER TO SHEET C001 FOR BENCHMARKS, DATUM, AND TOPOGRAPHIC ELEMENTS.
3. CONTRACTOR SHALL VERIFY LOCATION OF PROPOSED WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.

### GRADING NOTES

1. ADA REGULATIONS REQUIRE A MAXIMUM SLOPE OF 1:20 (5%) ALONG THE LENGTH OF THE ACCESSIBLE ROUTE AND A MAXIMUM SLOPE OF 1:50 (2%) ACROSS THE WIDTH OF THE ACCESSIBLE ROUTE.
2. PROPOSED SPOT GRADES ARE TO TOP OF INFILL WITHIN SYNTHETIC TURF LIMITS.

### NOTES:

Date(s) of field work: Sept 23-24, 2013 (also utilities & pressbox 2010-2012)  
Horizontal coordinates are Dane County Coordinates, U.S. survey feet, NAD83(2007) datum computed from a combined adjustment of total station measurements and RTK GPS measurements from the Emil Street base station (MAD01) at 43°02'12.782777N, 89°24'34.27089°W (Easting 814386.30, Northing 4880493.99 U.S. survey feet). The Wisconsin Coordinate Reference System (WISCRS) parameters were used to compute Easting, Northing coordinates. See [http://gis.cityofmadison.com/Madison\\_GPS/](http://gis.cityofmadison.com/Madison_GPS/) and <http://www.sco.wisc.edu/coordsys/>  
Elevations are in the NAVD83(1991) datum (i.e. the original adjustment), determined from the same adjustment as for the horizontal coordinates, from the Emil Street base station at ellipsoid height 815.92 ft (bottom of antenna mount), 2007 NAD 83 datum. The GEOID03 geoid model was modified based on an analysis of 54 area NGS stations (Origin N=4880501.8114398 US ft, stnk =0.087 ft, lts E=+1.7 ppm & N=-0.9 ppm) to compute pre-2007 NAVD83 elevations. See [http://gis.cityofmadison.com/Madison\\_GPS/](http://gis.cityofmadison.com/Madison_GPS/) & <http://danrodman.tripod.com>  
Coordinates match 2007 survey by MSA for Stadium Renovation within 0.05 ft horizontal & 0.02 ft vertical - see M:\DESIGN\PARKS\Survey\BreesStevens\RawData\ED-09-03\_Tripod for press box ADJUSTMENT\Dan's Notes.txt  
Locations of public utilities are based on Digger's Hotline ticket #20103815149; drawings obtained from the City of Madison Engineering Division; and visible above-ground structures. Additional buried utilities or structures may be encountered. No excavations were made to locate utilities, and the map does not attempt to show condition or capacity of any utility or service facility. Contact Digger's Hotline at (608) 242-8511 before excavating.  
All surface and subsurface improvements on and adjacent to the site are not necessarily shown.  
Except as specifically stated or shown, this map does not show easements, building setbacks, zoning and land use restrictions, covenants, or any other restrictions or benefits that a current and accurate title search may disclose.  
File: M:\DESIGN\SURVEY\PARKS\BREESESTEVENS\BRSSSTV\_SURV2013-09-24.DGN

CONTRACTOR TO VERIFY LOCATION OF EXISTING IRRIGATION MAIN AND REPORT ANY CONFLICTS WITH PROPOSED STORM SEWER TO ENGINEER

NOTICE:  
In accordance with Wisconsin statute 182.0175, damage to transmission facilities, excavator shall be solely responsible to provide advance notice to the designated "ONE CALL SYSTEM" not less than three working days prior to commencement of any excavation required to perform work contained on this drawing, and further, excavator shall comply with all other requirements of this statute relative to excavator's work.

DISCLAIMER:  
The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantees that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

One Honey Creek Corporate Center  
 125 South 84th Street, Suite 401  
 Milwaukee, WI 53214-1469  
 414 / 259 1500  
 414 / 259 0037 fax

www.graef-usa.com

CONSULTANTS:

PROJECT TITLE:

BREESE STEVENS FIELD  
 MADISON, WISCONSIN

ISSUE:

NO.	DATE	REVISIONS	BY

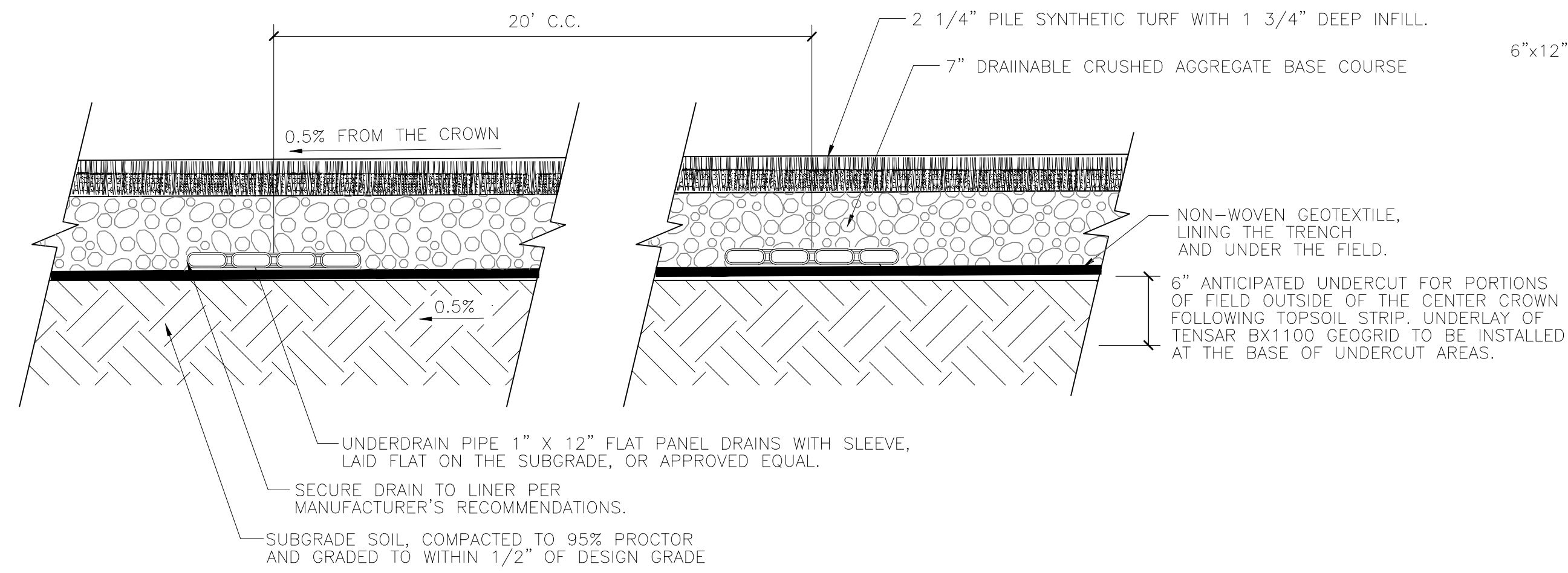
PROJECT INFORMATION:

PROJECT NUMBER: 20130215.00  
 DATE: 4/23/14  
 DRAWN BY: FKO  
 CHECKED BY: JMH  
 APPROVED BY: JFP  
 SCALE: AS SHOWN  
 FILE PATH: C\_00\_C900\_DETAILS\_0215

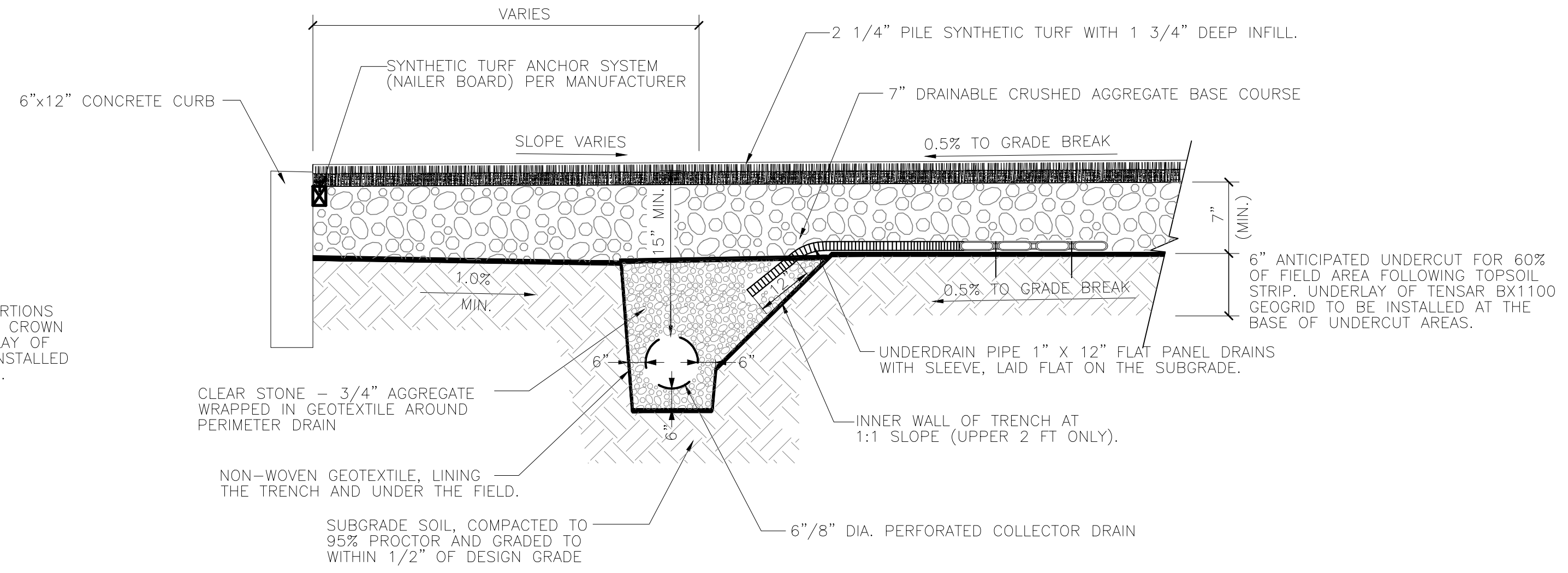
SHEET TITLE:

CONSTRUCTION DETAILS

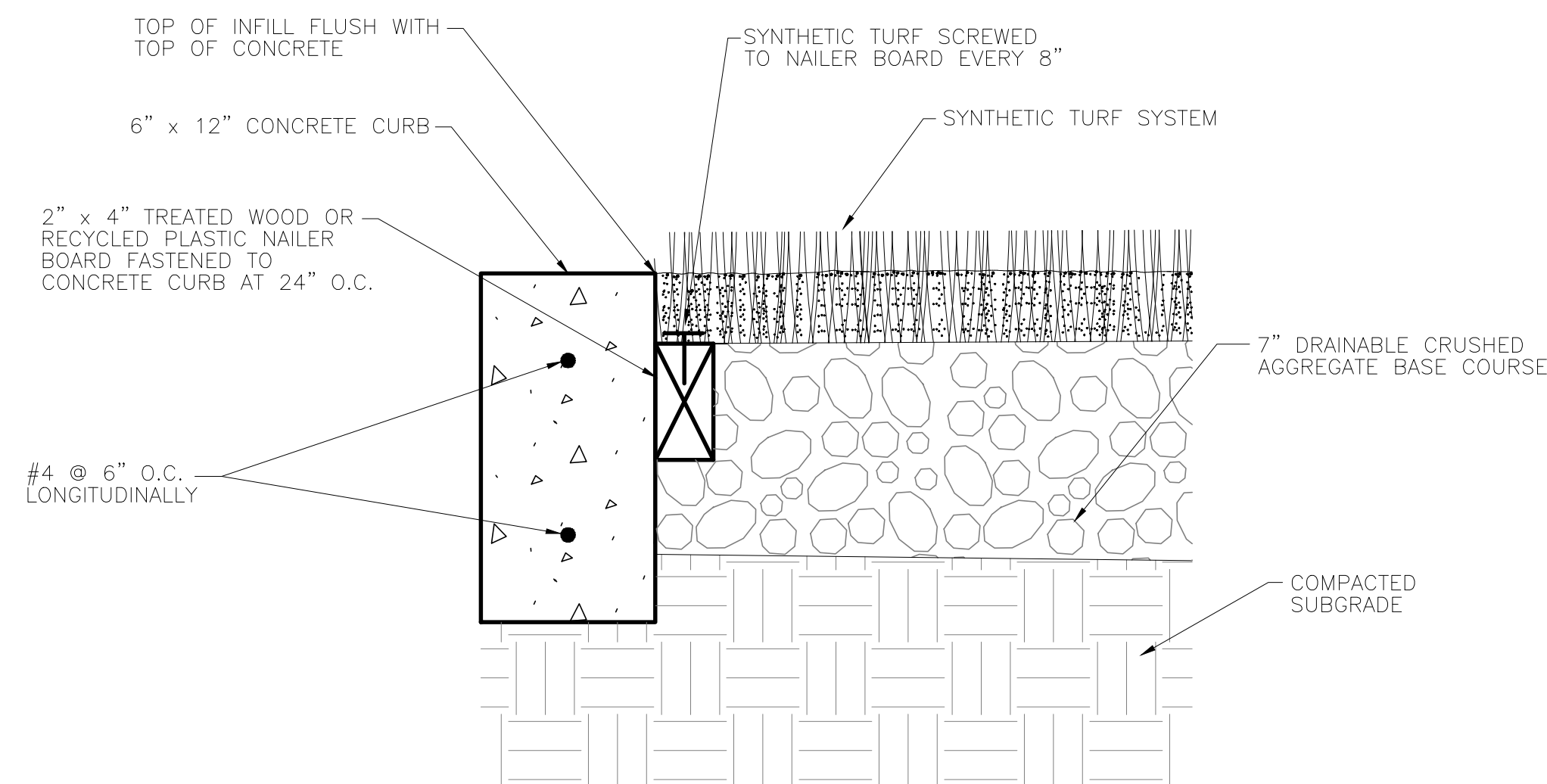
SHEET NUMBER:



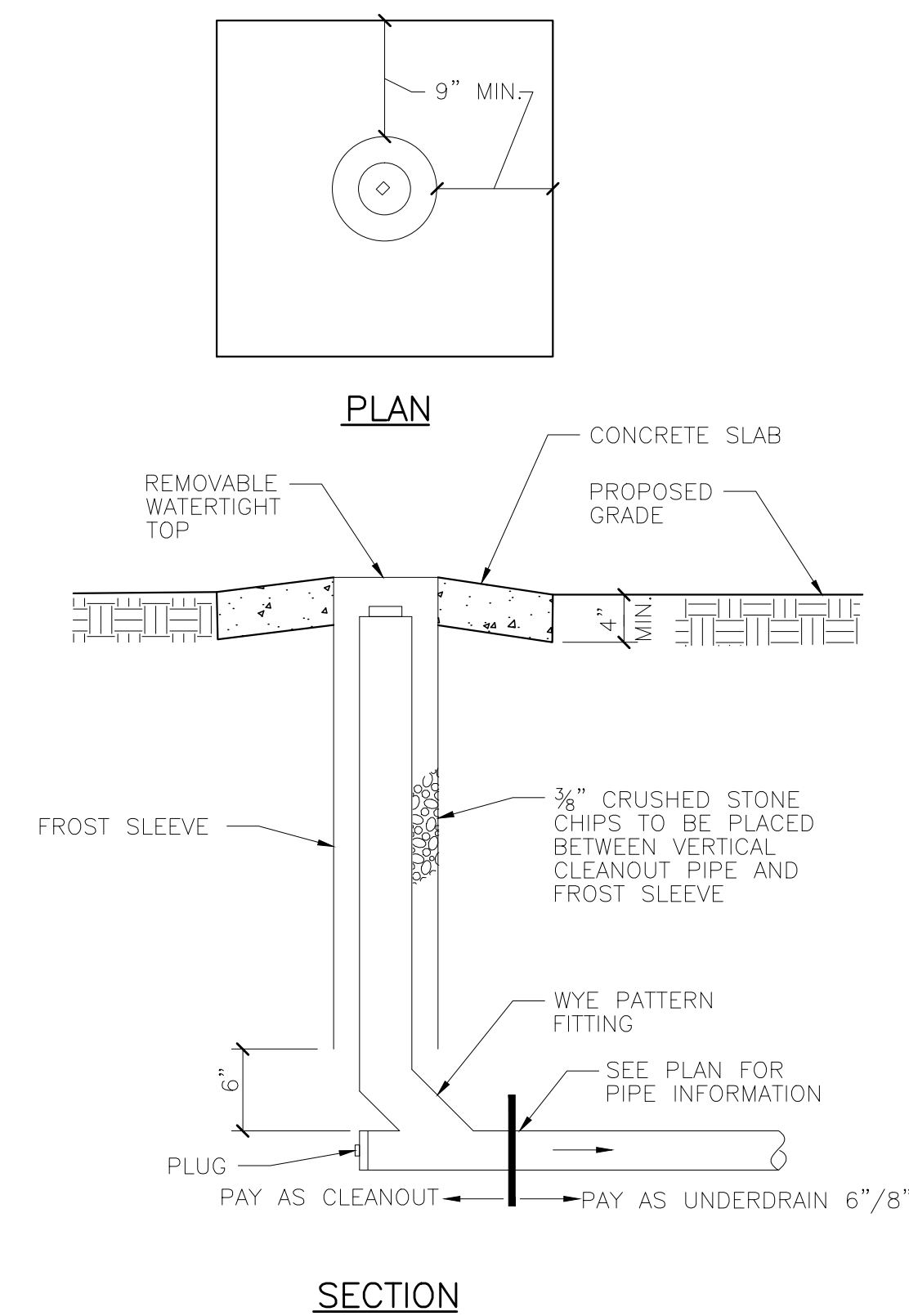
1 SYNTHETIC TURF CROSS SECTION  
 N.T.S.



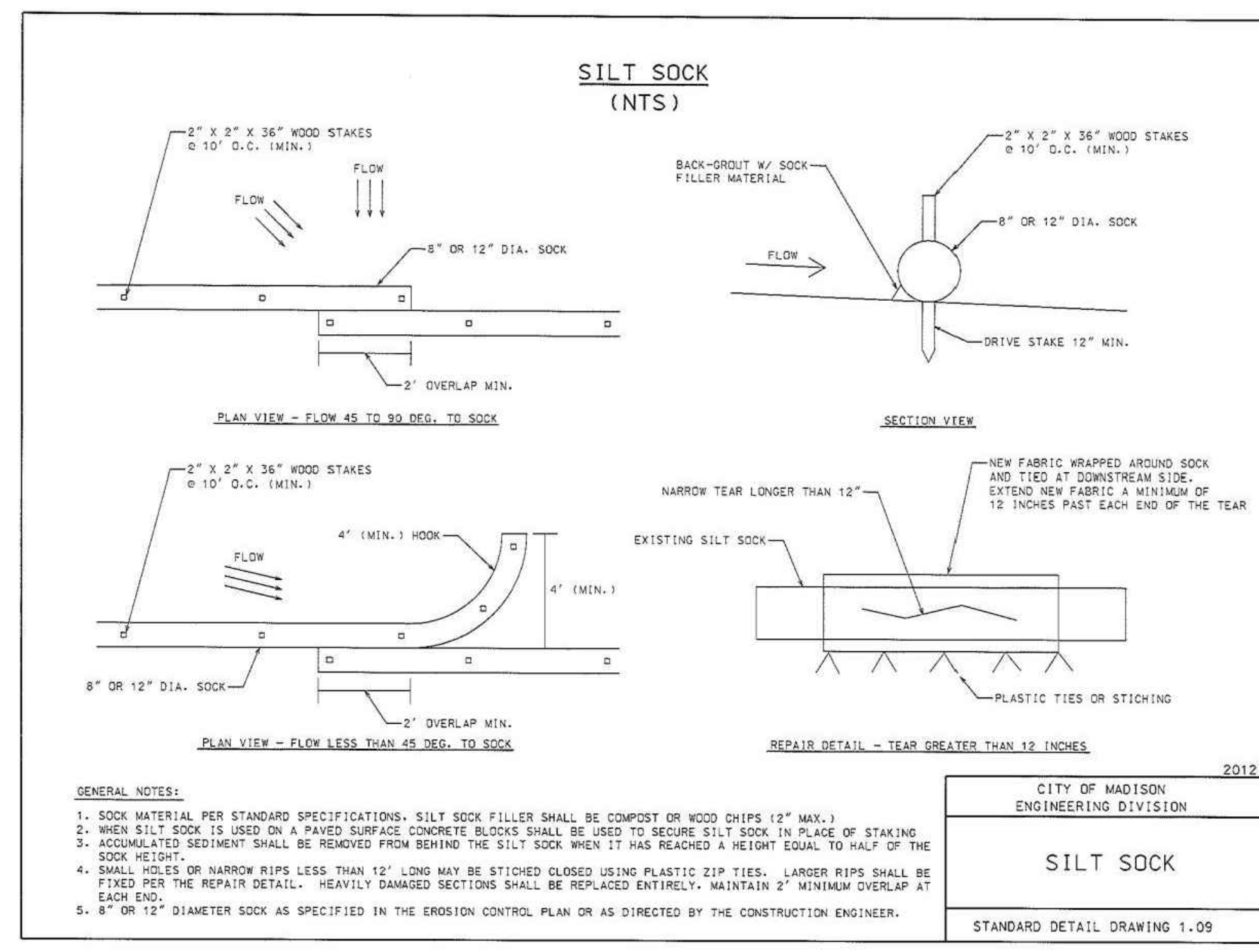
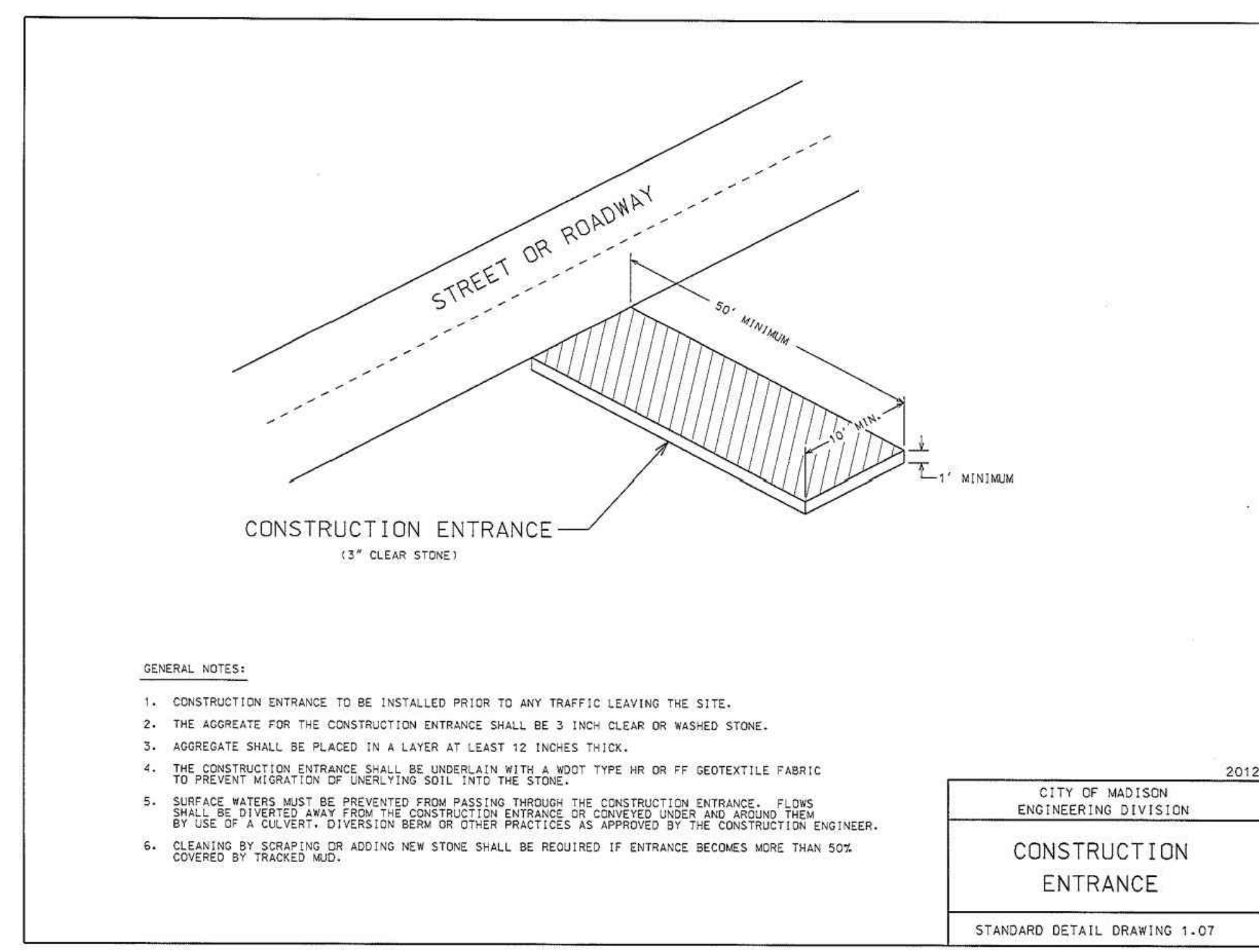
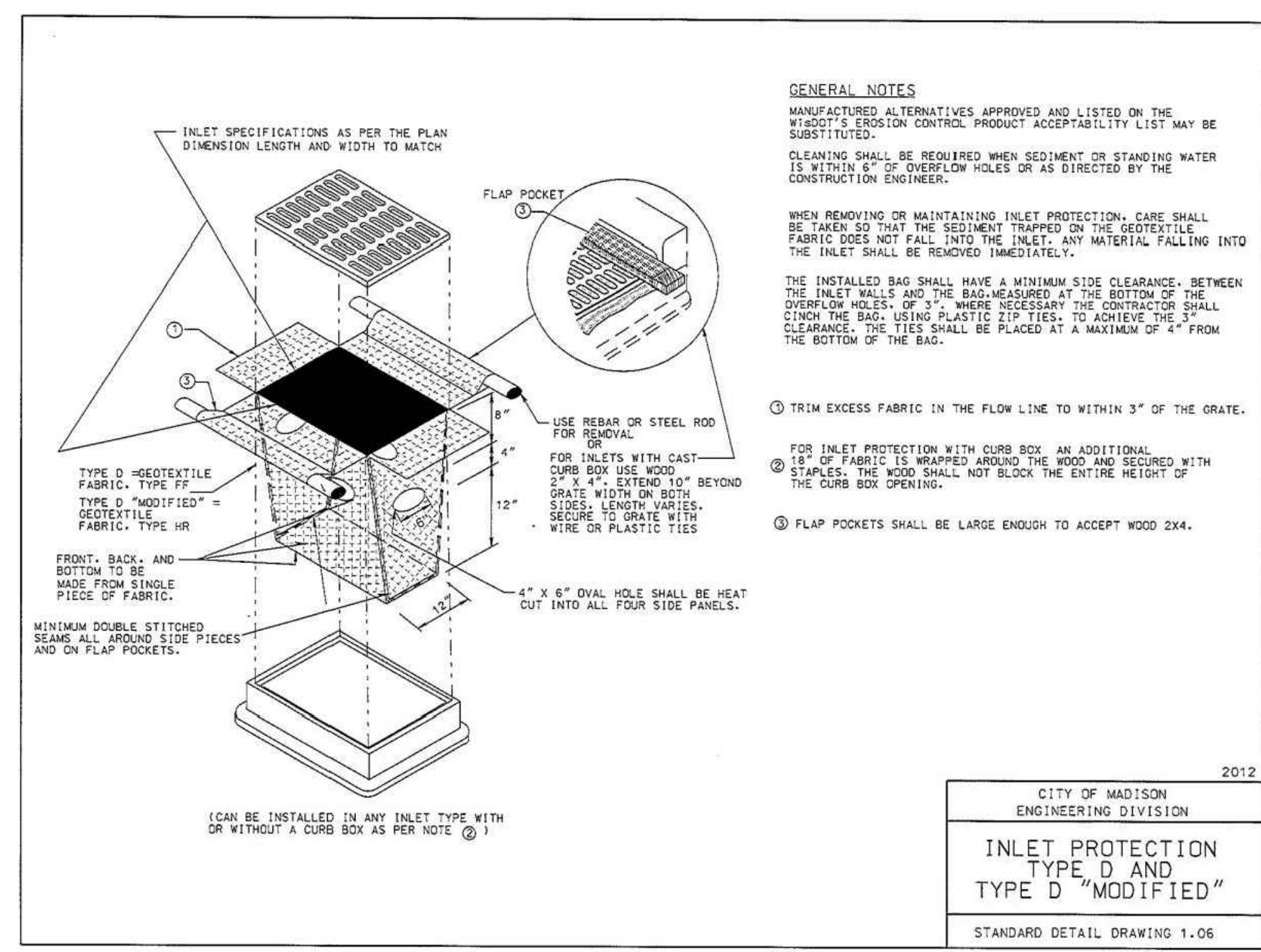
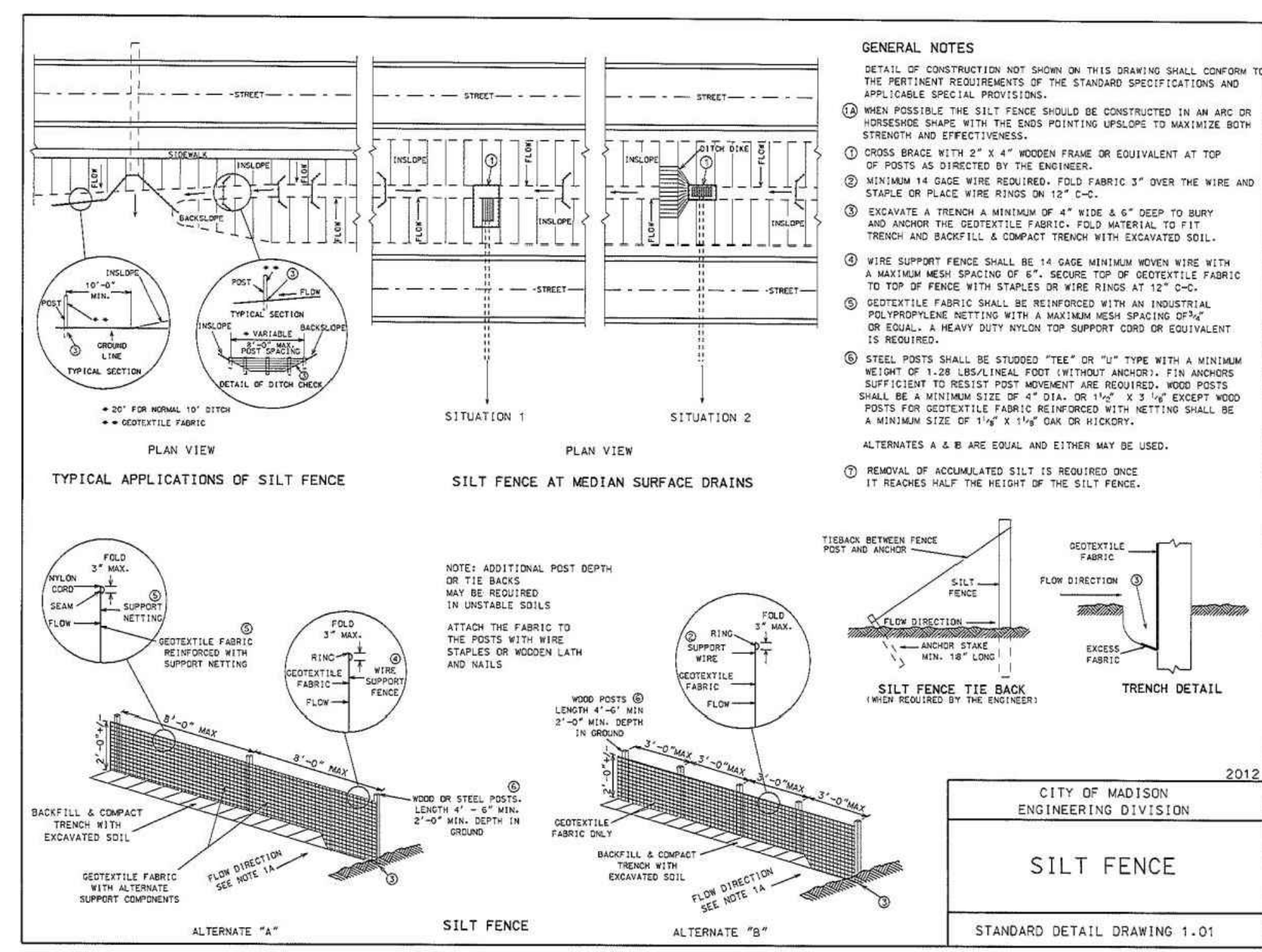
2 SYNTHETIC TURF COLLECTOR DRAIN DETAIL  
 N.T.S.



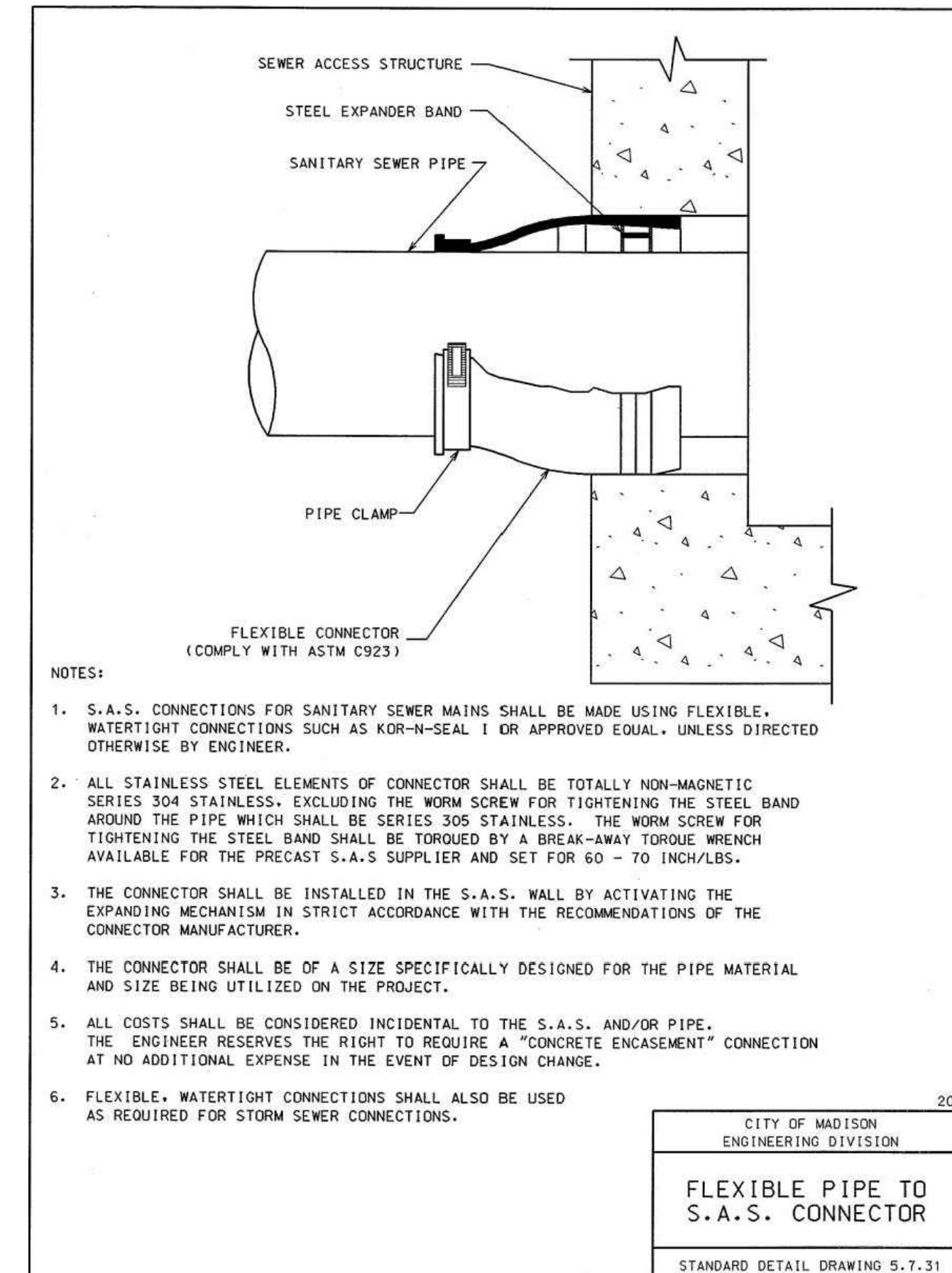
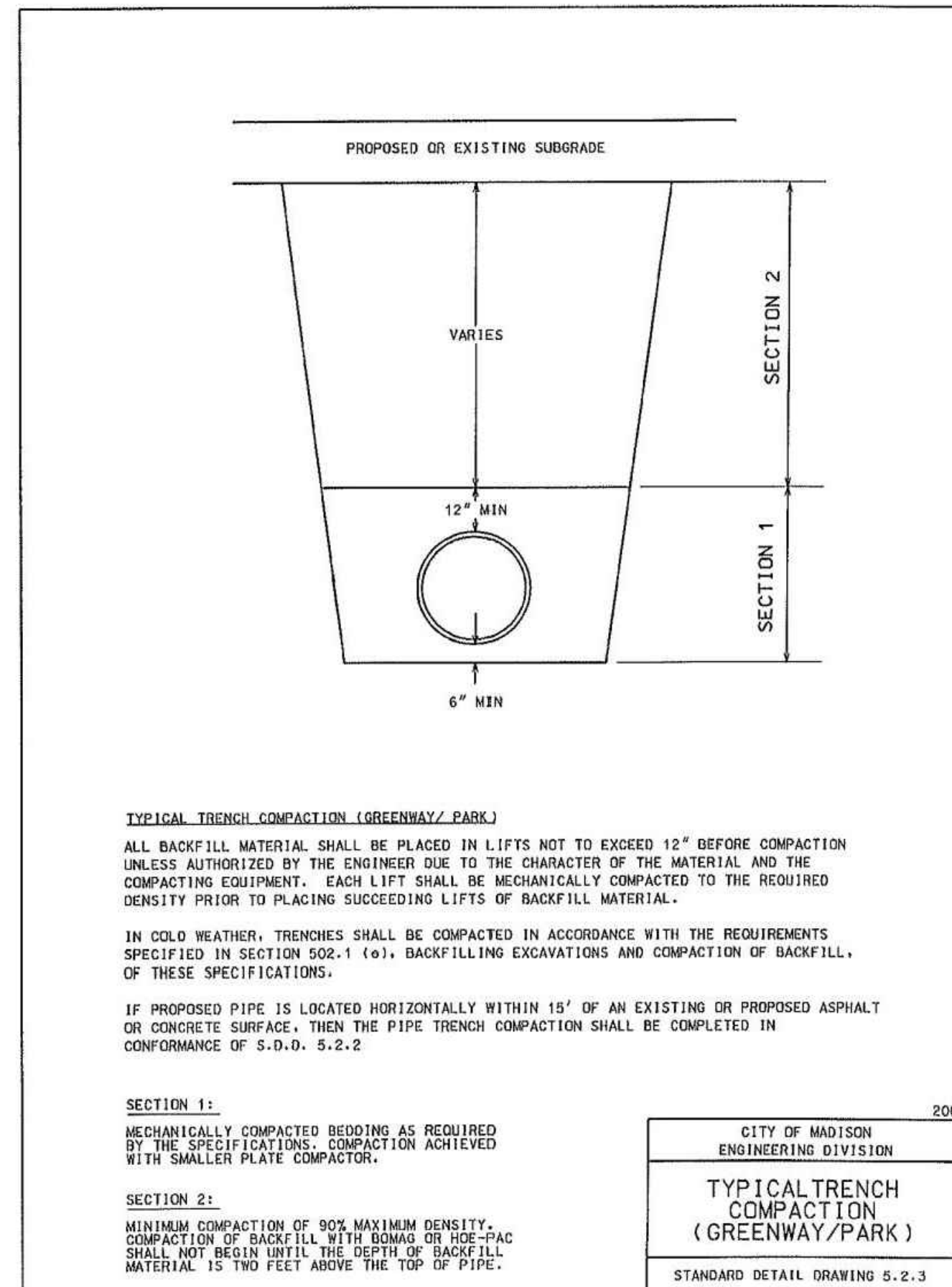
3 TURF EDGE DETAIL  
 N.T.S.

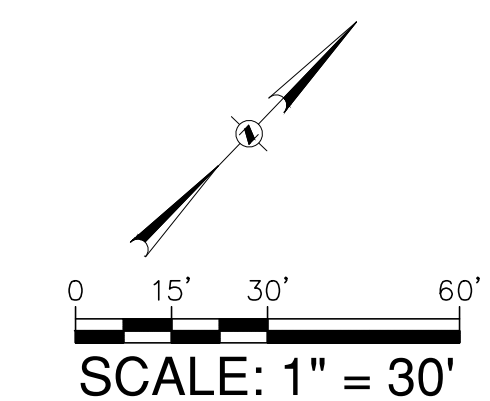
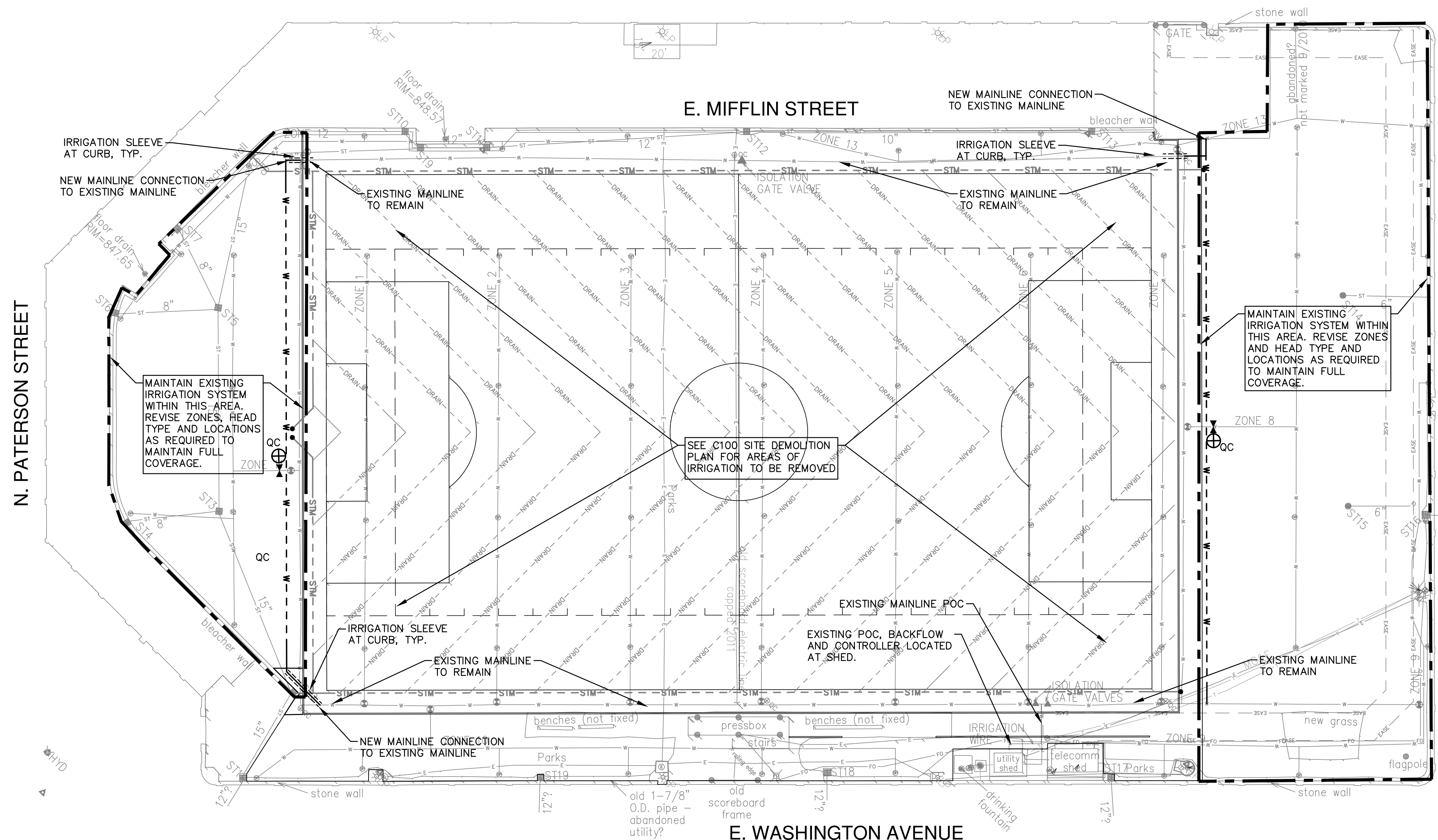


4 COLLECTOR DRAIN CLEANOUT DETAIL  
 N.T.S.







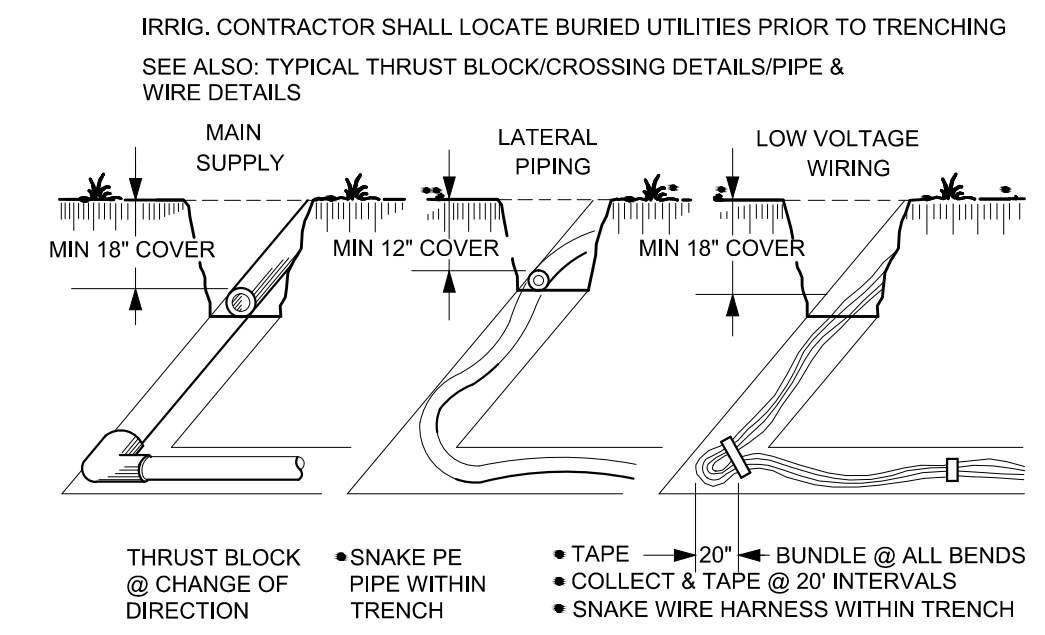


**LEGEND**

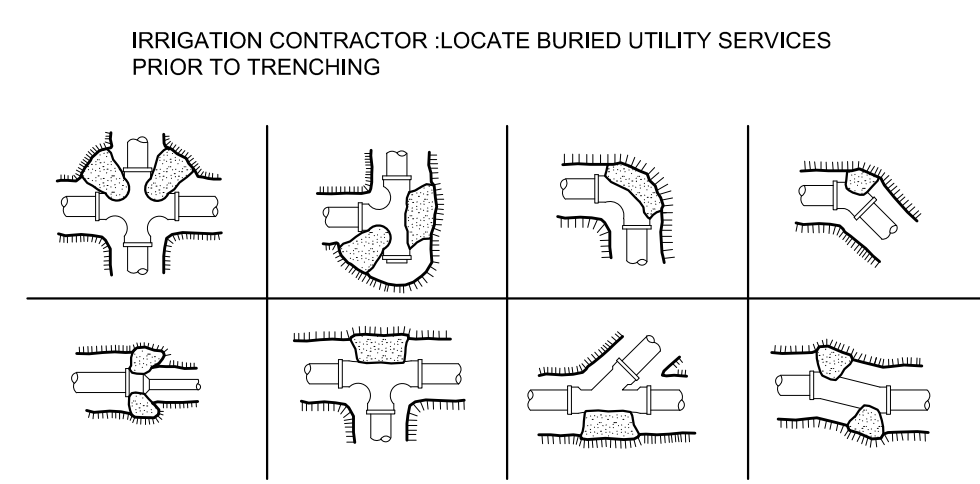
- - - - - PROPOSED IRRIGATION MAINLINE, SIZE TO MATCH EXISTING
- ⊗ QC - PROPOSED QUICK COUPLER VALVE LINE SIZE FOR WATER REEL CONNECTION SHALL BE INSTALLED IN VALVE BOX
- ▶ - PROPOSED MAIN LINE ISOLATION VALVE
- - - - - PROPOSED 6" IRRIGATION SLEEVE

**GENERAL NOTES**

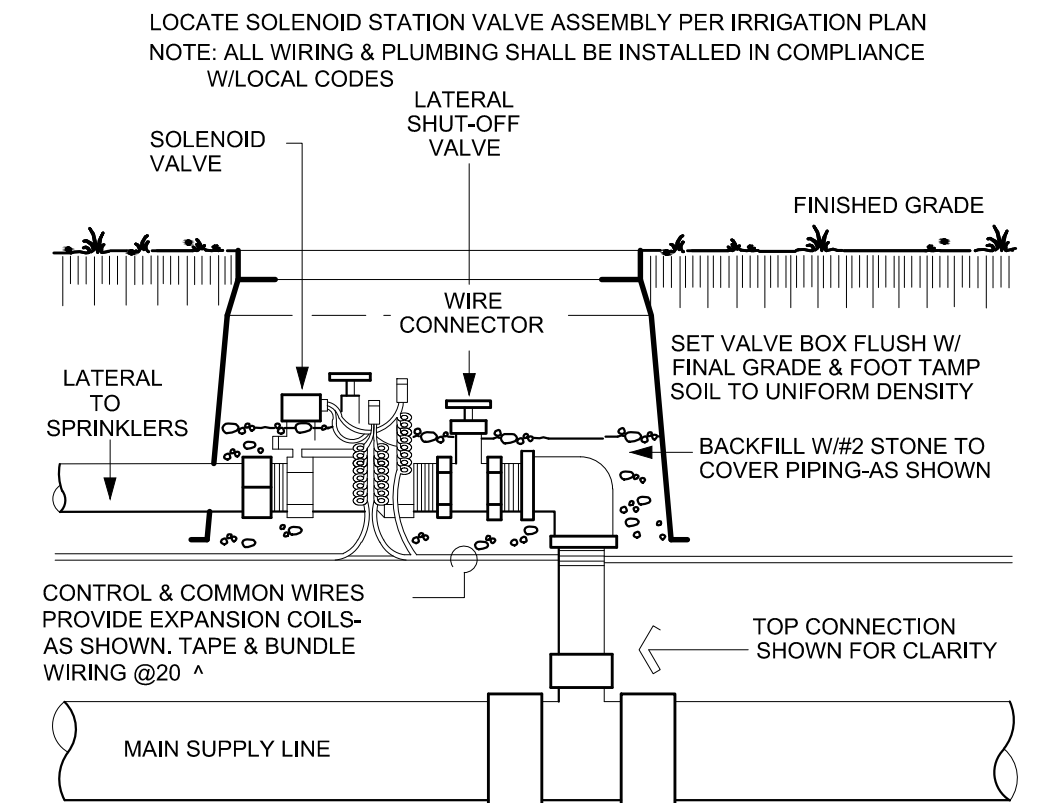
1. THE BASE SURVEY WAS PREPARED BY CITY OF MADISON PARKS DIVISION IN SEPTEMBER OF 2013. ALL UNDERGROUND UTILITIES AND STRUCTURES HAVE BEEN SHOWN TO A REASONABLE DEGREE OF ACCURACY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THEIR EXACT LOCATION AND TO AVOID DAMAGE THERETO.
2. REFER TO SHEET C001 FOR BENCHMARKS, DATUM, AND TOPOGRAPHIC ELEMENTS.
3. CONTRACTOR SHALL VERIFY LOCATION OF PROPOSED WORK AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO COMMENCING WORK.
4. AS-BUILT IRRIGATION PLAN SHOWN WAS COMPLETED BY CITY OF MADISON PARKS DIVISION. SHOWN FOR REFERENCE ONLY. ACTUAL LOCATIONS SHALL BE CONFIRMED IN THE FIELD.
5. REFER TO SITE SURVEY AND DEMOLITION PLAN FOR COMPLETE INFORMATION ON EXISTING CONDITIONS AND UTILITIES PRIOR TO START OF WORK. SOME EXISTING SITE INFORMATION HAS NOT BEEN SHOWN ON THIS PLAN IN ORDER TO PROVIDE MORE CLARITY FOR THE IRRIGATION PLAN.



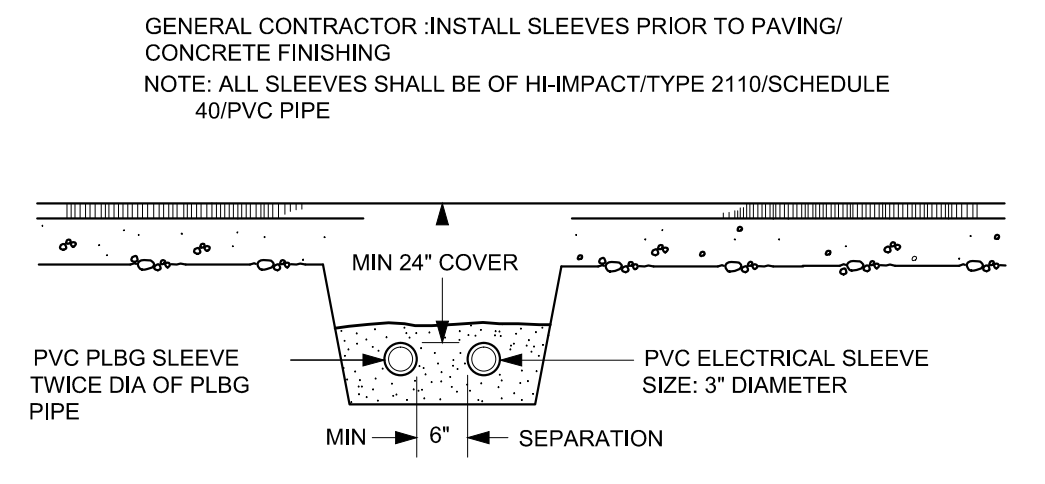
**4 MINIMUM TRENCHING STANDARDS**



**3 THRUST BLOCK STANDARDS**



**2 TYPICAL SOLENOID STATION VALVES**



**1 PIPING DETAIL BENEATH PAVING**

**NOTICE:**  
In accordance with Wisconsin statute 182.0175, damage to transmission facilities, excavator shall be solely responsible to provide advance notice to the designated "ONE CALL SYSTEM" not less than three working days prior to commencement of any excavation required to perform work contained on this drawing, and further, excavator shall comply with all other requirements of this statute relative to excavator's work.

**DISCLAIMER:**  
The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantees that the underground utilities shown comprise all such utilities in the area, either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although he does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.