

Locator Map

Legend

Table with 4 columns: EXISTING, PROPOSED, and two unlabeled columns. It contains symbols for contours, spot elevations, buildings, fences, storm sewers, catch basins, area inlets, grates, storm manholes, sanitary manholes, flared end sections, cleanouts, lateral connections, utility or power poles, fire hydrants, test holes, pavements, gas main & size, water main & size, telephone, electric underground, electric overhead, fiber optic, cable, flow line, items to be removed, top of curb, swales, light standards, street signs, parking stalls, yard lights, and ramps.

# A SET OF AS-BUILT PLANS FOR BOARDWALK GARDENS

## A TRACT OF LAND BEING A PART OF U.S. SURVEY 1641, TOWNSHIP 46 NORTH, RANGE 3 EAST, CITY OF O'FALLON, ST. CHARLES COUNTY, MISSOURI



ISSUE REMARKS/DATE table with 2 columns: ISSUE, REMARKS/DATE. Includes entries for 10-16-2012, 11-29-2012, 1-14-2013, 2-13-2013, 3-13-2013, 3-22-2013, 8-1-2013, 8-16-2013, and 11-11-2013.

PROJECT TITLE  
**BOARDWALK GARDENS**  
O'FALLON, MISSOURI

THE **STERLING** CO.  
ENGINEERS & SURVEYORS  
5055 New Baumgartner Road  
St. Louis, Missouri 63129  
Ph 314-487-0440 Fax 314-487-8944  
www.sterling-eng-sur.com  
Corporate Certificate of Authority #001348

Utility Contacts

Sanitary Sewer  
City of O'Fallon  
100 N. Main St.  
O'Fallon, MO. 63366  
Contact: 636-281-2858

Duckett Creek Sanitary District  
3550 Highway K  
O'Fallon, MO. 63368  
636-441-1244

Water  
City of O'Fallon  
100 N. Main St.  
O'Fallon, MO. 63366  
Contact: 636-281-2858

Missouri American Water Co.  
727 Craig Rd.  
St. Louis, MO. 63141  
1-866-438-0920

Public Water Supply District No. 2  
P.O. Box 967  
O'Fallon, MO. 63366  
636-561-3737 Ext. 131

Storm Sewer  
City of O'Fallon  
100 N. Main St.  
O'Fallon, MO. 63366  
636-281-2858

Curve River Electric Co.  
P.O. Box 160  
Troy, MO. 63370-0160  
1-800-392-3709

Ameren UE  
200 Callahan Road  
Wentzville, MO. 63385  
636-639-8312

Gas  
Laclede Gas Company  
6400 Graham Road  
St. Louis, MO. 63134  
314-522-2297

Telephone  
Century Tel  
1151 Century Tel Dr.  
Wentzville, MO. 63385  
636-332-7261

Fire Department  
O'Fallon Fire Protection District  
440 E. Elm St.  
O'Fallon, MO. 63366  
636-272-3490

Wentzville Fire District  
209 West Pearce Blvd.  
Wentzville, MO. 63385

Cottleville Fire Protection District  
1405 Motherhood Rd.  
St. Charles, MO. 63304  
636-447-6666

## Conditions of Approval From Planning and Zoning

- STAFF RECOMMENDATIONS:
- THE FINAL LOCATION OF THE CROSSWALK SHALL BE DETERMINED IN THE CONSTRUCTION PLAN PHASE. ADDITIONAL PEDESTRIAN CONTROLS SHALL ALSO BE IMPLEMENTED, INCLUDING DECORATIVE BOLLARDS WITH REFLECTORS IN THE 3' WIDE ISLANDS AND A STREET LIGHT PLACED AT THE INTERSECTION. ILLUMINATED PEDESTRIAN CROSSING SIGNS MAY BE WARRANTED AT THE INTERSECTION AND STAFF WILL WORK WITH THE DEVELOPER TO DETERMINE IF THEY WILL BE NECESSARY DURING THE CONSTRUCTION PLAN REVIEW PHASE.
  - THE CONSTRUCTION PLANS SHALL ADDRESS THE MUNICIPAL CODE REQUIREMENTS LISTED.
- MUNICIPAL CODE REQUIREMENTS:
- ALL SUBDIVISION MONUMENTS, IDENTIFICATION SIGNAGE AND/OR DIRECTIONAL SIGNAGE SHALL BE REVIEWED AND APPROVED BY THE PLANNING DIVISION PRIOR TO INSTALLATION. IF A MONUMENT SIGN WILL BE CONSTRUCTED NEAR THE NORTHERN ENTRANCE, AN EASEMENT SHALL BE DEDICATED FOR IT.
  - THE CONSTRUCTION PLANS SHALL BE REVISED TO SHOW THAT SIX (6) FOOT SIDE YARDS AREA BEING PROVIDED FOR EACH LOT AS SHOWN IN THE LOT TYPICAL ON SHEET 2.1.
  - A COMPLETE LISTING OF COVENANTS, CODES, RESTRICTIONS SHALL BE SUBMITTED TO THE CITY FOR REVIEW AND APPROVAL. CITY OF O'FALLON REVIEW CRITERIA IS LOCATED IN THE SUBDIVISION CODE.
  - DETAILS OF THE MAIL KIOSKS AND THE LOCATION OF THE KIOSKS SHALL BE PROVIDED WITH THE CONSTRUCTION PLANS.
  - PROVIDE A 10' WIDE UTILITY AND ROADWAY EASEMENT BEHIND THE RIGHT-OF-WAY.
  - STORM WATER CLEANSING METHODS WILL BE REVIEWED DURING THE CONSTRUCTION PLAN REVIEW.
  - DUE TO THE APPROVED REDUCTION IN RADI, THE DEVELOPER SHALL PROVIDE DETAILS FOR TURNING MOVEMENTS FOR SCHOOL BUSES AND TRASH TRUCKS AT THE INTERSECTION OF VILLAGE CENTER DRIVE AND PHOENIX PARKWAY ALSO, LINE OF SIGHT AND SIGHT TRIANGLE EASEMENTS AT THE INTERSECTIONS SHALL BE PROVIDED.
  - THE DEVELOPER SHALL WORK WITH STAFF TO MOVE THE SANITARY SEWER LINE AS CLOSE AS POSSIBLE TO RED HAWK PLACE DRIVE BEHIND UNITS 10, 11 & 12.
  - THE PROPOSED EASEMENT TYPICAL BEHIND LOT 16 SHALL BE CORRECTED TO POINT TO THE EASEMENT. IT IS CURRENTLY SHOWN POINTING AT THE PATIO/DECK AREA OF LOT 16.
  - THE SIDEWALK TO THE REAR OF LOTS 17, 18, & 19 SHALL BE SHOWN IN THE OUTSIDE OF THE LOT AND IN THE RIGHT-OF-WAY OR AS COMMON GROUND AS DEPICTED FOR LOT 1.
  - THE CITY OF O'FALLON HAS CREATED CONSTRUCTION PLAN SHEETS WHICH FORMAT SHALL BE USED WHEN SUBMITTING CONSTRUCTION PLANS FOR REVIEW. THE CONSTRUCTION PLAN SHEETS CAN BE FOUND AT [HTTP://WWW.OFALLON.MO.US/DEPT\\_FW\\_ENGINEERING.HTM](http://www.ofallon.mo.us/dept_fw_engineering.htm).
- PLEASE NOTE:
- APPROVAL OF THE FINAL SITE PLAN OF A PUD SHALL EXPIRE AND BE OF NO EFFECT ONE HUNDRED-EIGHTY (180) DAYS AFTER THE DATE OF APPROVAL UNLESS AND UNTIL ALL APPROPRIATE FEES HAVE BEEN PAID AND THE CITY SHALL HAVE ISSUED A BUILDING PERMIT FOR THE DEVELOPMENT AUTHORIZED BY SAID APPROVED PLAN. APPROVAL OF THE FINAL SITE PLAN IN A PUD SHALL EXPIRE AND BE OF NO EFFECT ONE (1) YEAR AFTER THE DATE OF APPROVAL UNLESS CONSTRUCTION HAS BEGUN AND IS DILIGENTLY PURSUED IN ACCORDANCE WITH THE APPROVED PLAN. EXPIRATION OF THE APPROVED PLAN SHALL BE AUTHORIZED THE BOARD TO REQUIRE FILING AND REVIEW OF A NEW FINAL SITE PLAN IN ACCORDANCE WITH THE PROVISION OF THIS ARTICLE.
  - PRIOR TO APPROVAL OF A BUILDING PERMIT, A CONSTRUCTION SITE PLAN MUST BE REVIEWED AND APPROVED BY CITY STAFF. A CHECKLIST OUTLINING THE CONSTRUCTION SITE PLAN PROCESS AND APPLICATION ARE AVAILABLE ON THE CITY'S WEBSITE VIA WWW.OFALLON.MO.US (CITY DEPARTMENTS, COMMUNITY DEVELOPMENT, ENGINEERING) OR BY REQUEST.
  - THE APPROPRIATE FIRE DISTRICT WILL NEED TO REVIEW AND APPROVE THE DEVELOPMENT.
  - ANY SIGNAGE TO BE PLACED ON THE SUBJECT PROPERTY REQUIRES A SEPARATE SIGN PERMIT.
  - ANY BUSINESS OCCUPYING THE SITE REQUIRES APPROVAL OF A BUSINESS LICENSE.
  - ALL CONDITIONS OF APPROVAL SHALL BE NOTED ON THE CONSTRUCTION PLAN.

## Drawing Index

- 11 Cover Sheet
- 12 Residential Notes
- 21-22 Overall Grading / GWPPP
- 3.1-8.8 Grading Plan
- 4.1-4.9 Site Plan
- 5.1-5.9 Utility Plan
- 6.1 Street Profiles
- 7.1-7.9 Sanitary Profiles
- 8.1-8.2 Storm Profiles
- 9.1-9.9 Drainage Area Map
- 10.1-10.2 Sandfilter Details
- 11 Hydratic Calculations
- 12.1-12.4 Entrance Details / Warnings / Sight Distance Profiles
- 13.1 Retaining Wall Details
- 14.1 Zone of Influence Sections
- 15.1-15.2 Traffic Control Plan
- 16.1 Crosswalk and Pavement Striping Plan
- DTL 1 - DTL 3 Erosion Control Details
- DTL 4 - DTL 8 Sanitary Sewer Details
- DTL 9 Storm Sewer Details
- DTL 10 - DTL 12 Water Main Details
- DTL 13 - DTL 14 Pavement Details
- DTL 15 Miscellaneous Details
- DTL 16 Gazebo Plan
- L 1 Landscape Plan

## Benchmarks

### Site

SBM-1 511.12 - CENTERLINE CROSS AT INTERSECTION OF RED HAWK PLACE AND SUMMER STONE DRIVE PER GPS OBSERVATION (NAVD 88 DATUM)

## Project Data

- TOTAL SITE AREA: 6.42 ACRES
- TOTAL DISTURBED AREA: 6.42 ACRES
- FEMA MAP PANEL: ACCORDING TO THE FLOOD INSURANCE RATE MAP OF THE COUNTY OF ST. CHARLES, MISSOURI, UNINCORPORATED AREAS (COMMUNITY PANEL NUMBER 291830430 E DATED AUGUST 2, 1996). THIS PROPERTY LIES ENTIRELY OUTSIDE THE 500-YEAR FLOODPLAIN.

## STORM AND SANITARY SEWER MEASUREMENTS

The existing sewer length, sizes, flowlines, depths of structures and sewers, and locations with respect to existing or proposed easements have been measured. The results of those measurements are shown on this set of Final Measurement Plans. Since the wye locations have been plotted from information provided by the sewer contractor or other sources, I disclaim any responsibility for that specific information.

All public sewers are located within the designated existing or proposed easements except as follows:



THE STERLING COMPANY  
By: *J. Henson* 3/4/16  
Jamey A. Henson  
Mo. Reg. P.L.S. # 2007017963

## Gazebo Construction Note:

A SEPARATE PERMIT SHALL BE REQUIRED PRIOR TO CONSTRUCTION OF THE PROPOSED GAZEBO.



CITY OF O'FALLON  
COMMUNITY DEVELOPMENT DEPARTMENT  
ACCEPTED FOR CONSTRUCTION

BY: \_\_\_\_\_ DATE \_\_\_\_\_  
PROFESSIONAL ENGINEER'S SEAL  
INDICATES RESPONSIBILITY FOR DESIGN



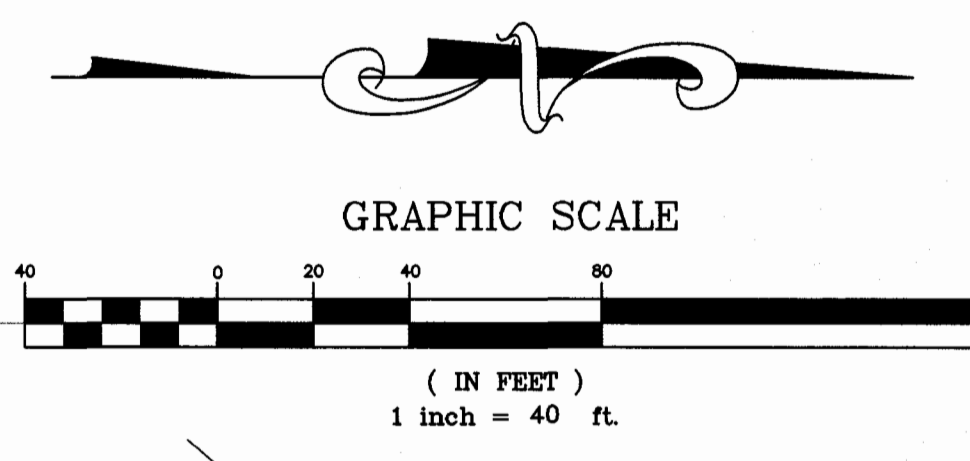
March 3, 2016

\* City of O'Fallon Construction work hours per City Ordinance 3429 as shown in secti 500.420 of the Municipal Code of the City of O'Fallon are as follows:  
October 1 through May 31  
7:00 A.M. To 7:00 P.M. Monday Through Sunday  
June 1 Through September 30  
6:00 A.M. To 8:00 P.M. Monday Through Friday  
7:00 A.M. to 8:00 P.M. Saturday and Sunday

\* The area of this phase of development is 6.42 AC.  
The area of land disturbance is 6.37 AC.  
Number of proposed lots is 29  
Building setback information. Front 20  
Side 6  
Rear 10

P+Z No. 9831.34.09.01  
City No.  
Date: OCT. 16, 2012  
Job No. 12-05-128  
Page No.

THE UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMo



N/F THE VILLAGE AT PARK PLACE, LLC  
D.B. 4934 PG. 672

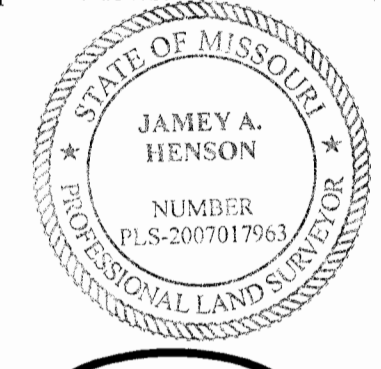
N/F THE VILLAGE AT PARK PLACE, LLC  
D.B. 4934 PG. 672

ISSUE	REMARKS/DATE
1	10-18-2012, INITIAL SUBMITTAL
2	11-29-2012, CITY COMMENTS
3	1-14-2013, CITY & DCSD COMMENTS
4	2-13-2013, CITY COMMENTS
5	3-13-2013, REVISED STORM & SANITARY
6	3-22-2013, REVISED UNDERDRAIN
7	8-1-2013, REVISED STORM SEWERS

**STORM AND SANITARY SEWER MEASUREMENTS**

The existing sewer length, sizes, flowlines, depths of structures and sewers, and locations with respect to existing or proposed easements have been measured. The results of those measurements are shown on this set of Final Measurement Plans. Since the wye locations have been plotted from information provided by the sewer contractor or other sources, I disclaim any responsibility for that specific information.

All public sewers are located within the designated existing or proposed easements except as follows:



THE STERLING COMPANY  
By: *[Signature]* 3/4/16  
James A. Henson  
Mo. Reg. P.L.S. - #2007017963

**AS BUILT**

N/F SUMMER STONE VILLAGE  
P.B. 38 PGS. 142-143

PROJECT TITLE

**BOARDWALK GARDENS**  
OF FALLON, MISSOURI

THE STERLING CO.  
ENGINEERS & SURVEYORS  
5055 New Baumgardner Road  
St. Louis, Missouri 63128-8944  
Ph 314-991-1000 Fax 314-991-1001  
www.sterlingco.com  
Corporate Certificate of Authority #001948

The Professional Engineer's seal and signature are to be used only in the manner and for the purposes intended. All drawings, instruments or other documents created by this engineer and the engineer's assistants shall be the property of the engineer and shall not be reproduced, copied, or otherwise used without the written consent of the engineer.

Date: MICHAEL G. BOERDING  
License No. E-28643  
Civil Engineer

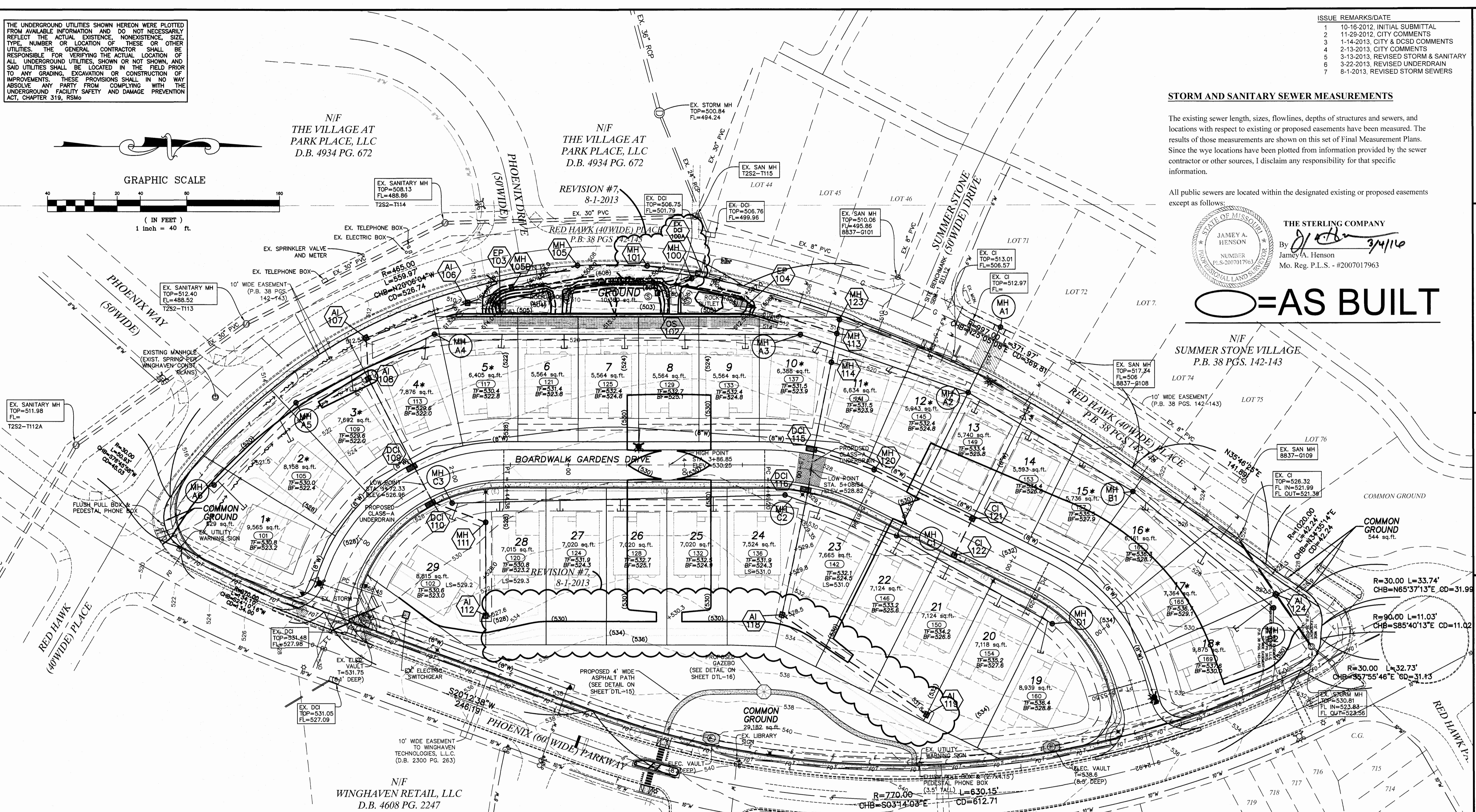
MCBRIDE RED HAWK, LLC  
16091 SWINGLEY RIDGE ROAD, SUITE 300  
CHESTERFIELD, MISSOURI 63017  
PH. 636-537-2000  
Contact: Jeremy Roth

GRADING PLAN

P+Z No. 9831.34.09.01  
City No.  
Date: OCT. 16, 2012  
Job No. 12-05-128  
Page No.

3.1

IMP



**EMERGENCY RELIEF SWALE AT LOTS 28/29**

Summary:  
Design Storm: 15yr.-20min.  
Adjacent Low Sill Elev. = 529.2  
Emergency Swale Flowline = 528.0  
Channel Flow Elev. = 528.2  
Freeboard = 1.0 ft.  
Hydraulic Data:  
Flowrate ..... 1.6600 cfs  
Slope ..... 0.0400 ft/ft  
Manning's n ..... 0.0300  
Height ..... 1.5000 ft  
Bottom width ..... 4.0000 ft  
Left slope ..... 0.3300 ft/ft (V/H)  
Right slope ..... 0.3300 ft/ft (V/H)  
Depth ..... 0.1459 ft  
Velocity ..... 2.5610 fps  
Flow area ..... 0.6482 ft<sup>2</sup>  
Flow perimeter ..... 4.9312 ft  
Hydraulic radius ..... 0.1314 ft

**EMERGENCY RELIEF SWALE AT LOTS 23/24**

Summary:  
Design Storm: 15yr.-20min.  
Adjacent Low Sill Elev. = 531.0  
Emergency Swale Flowline = 529.8  
Channel Flow Elev. = 530.0  
Freeboard = 1.0 ft.  
Hydraulic Data:  
Flowrate ..... 3.0300 cfs  
Slope ..... 0.0400 ft/ft  
Manning's n ..... 0.0300  
Height ..... 1.5000 ft  
Bottom width ..... 4.0000 ft  
Left slope ..... 0.3300 ft/ft (V/H)  
Right slope ..... 0.3300 ft/ft (V/H)  
Depth ..... 0.2072 ft  
Velocity ..... 3.1600 fps  
Flow area ..... 0.9588 ft<sup>2</sup>  
Flow perimeter ..... 5.3223 ft  
Hydraulic radius ..... 0.1802 ft

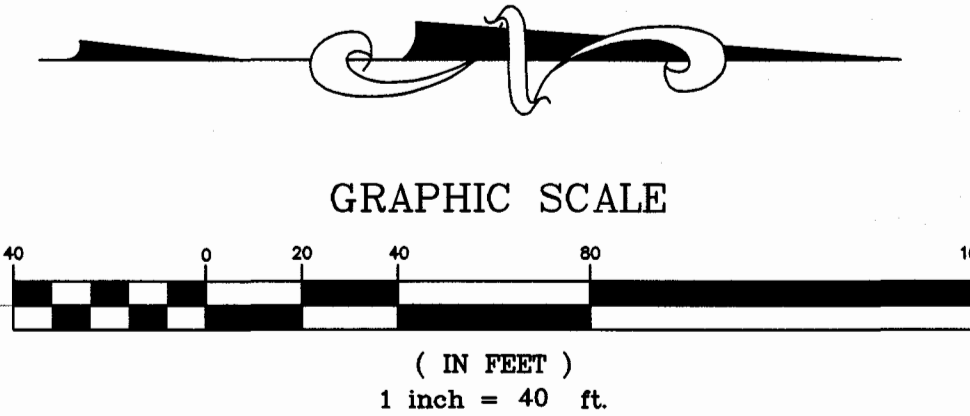
**Grading of Existing Water Facilities**

WHERE GRADING OCCURS OVER OR NEAR THE EXISTING WATER FACILITIES THE CONTRACTOR SHALL VERIFY THE DEPTH OF THE EXISTING WATER. NO CUT WILL BE ALLOWED OVER THE EXISTING MAIN THAT RESULTS IN A REDUCTION OF COVER TO LESS THAN 42".

**Gazebo Construction Note:**

A SEPARATE PERMIT SHALL BE REQUIRED PRIOR TO CONSTRUCTION OF THE PROPOSED GAZEBO.

THE UNDERGROUND UTILITIES SHOWN HEREON WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, NUMBER OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMo

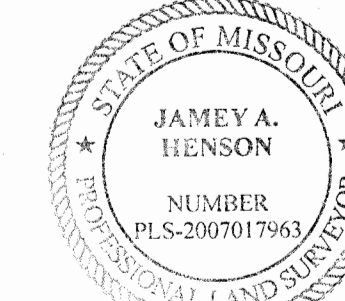


ISSUE	REMARKS/DATE
1	10-16-2012, INITIAL SUBMITTAL
2	11-29-2012, CITY COMMENTS
3	1-14-2013, CITY & DCSD COMMENTS
4	2-13-2013, CITY COMMENTS
5	3-13-2013, REVISED STORM & SANITARY
6	3-22-2013, REVISED UNDERDRAIN
7	8-1-2013, REVISED STORM SEWERS
8	8-16-2013, SEWER AS-BUILTS
9	11-11-2013, SEWER AS-BUILTS

**STORM AND SANITARY SEWER MEASUREMENTS**

The existing sewer length, sizes, flowlines, depths of structures and sewers, and locations with respect to existing or proposed easements have been measured. The results of those measurements are shown on this set of Final Measurement Plans. Since the wye locations have been plotted from information provided by the sewer contractor or other sources, I disclaim any responsibility for that specific information.

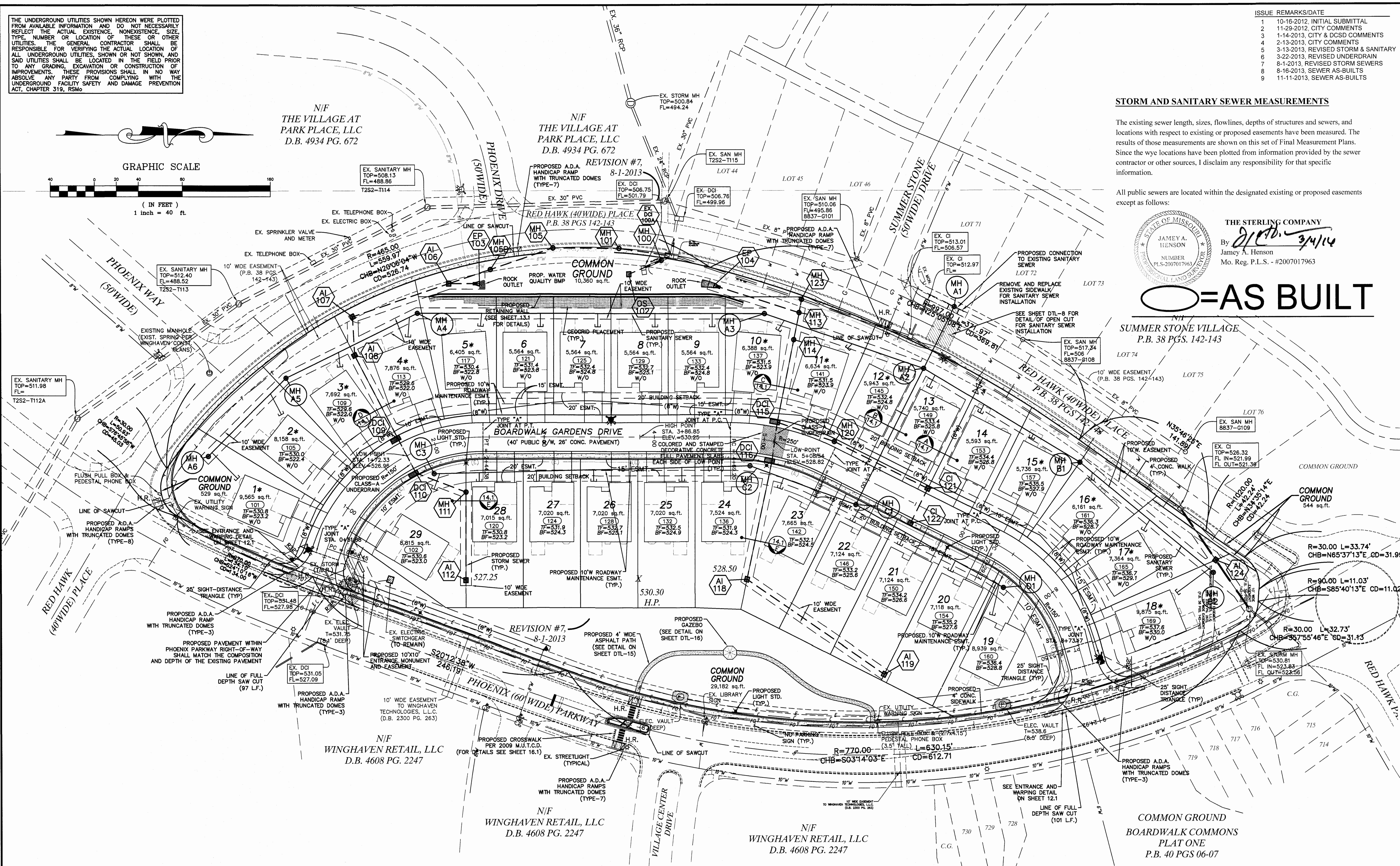
All public sewers are located within the designated existing or proposed easements except as follows:



THE STERLING COMPANY  
By *J.A.H.* 3/4/14  
James A. Henson  
Mo. Reg. P.L.S. - #2007017963

**AS BUILT**

SUMMER STONE VILLAGE  
P.B. 38 PGS. 142-143



**Note:**  
ALL PROPOSED SAW CUTS ON EXISTING CONCRETE STREETS SHALL BE FROM JOINT TO JOINT.

REAR YARD SWALE TO BE PROPERLY CONSTRUCTED AFTER HOME CONSTRUCTION ON THESE LOTS AND PRIOR TO THE ENGINEERS GRADING LETTER

**Gazebo Construction Note:**

A SEPARATE PERMIT SHALL BE REQUIRED PRIOR TO CONSTRUCTION OF THE PROPOSED GAZEBO.

PROJECT TITLE

**BOARDWALK GARDENS**

OF FALLON, MISSOURI

THE STERLING CO.  
ENGINEERS & SURVEYORS

5055 New Baumgartner Road  
St. Louis, Missouri 63129  
Ph 314-487-0440 Fax 314-487-8944  
www.sterling-eng-survey.com  
Corporate Certificate of Authority #001948

The Professional Engineer's seal and signature offered in this sheet expire only in the material and items shown on the sheet. All drawings, instruments or other documents not exhibiting this seal and signature may not be considered accurate or reliable. The Engineer does not warrant or assume any liability for any damage or loss resulting from the use of this seal and signature.

Date: MICHAEL G. BOERDING  
License No. E-28643  
Civil Engineer

MCBRIDE RED HAWK, LLC  
16091 SWINGLEY RIDGE ROAD, SUITE 300  
CHESTERFIELD, MISSOURI 63017  
PH: 636-537-2000  
Contact: Jeremy Roth

SITE PLAN

P+Z No. 9831.34.09.01  
City No.  
Date: OCT. 16, 2012  
Job No. 12-05-128

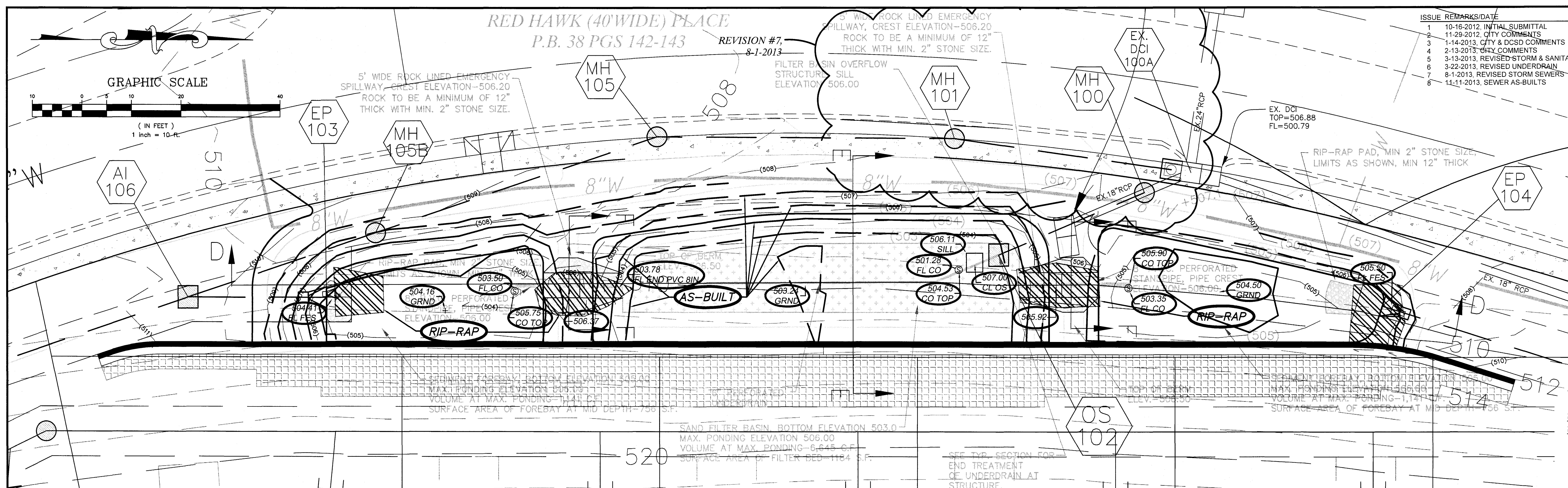
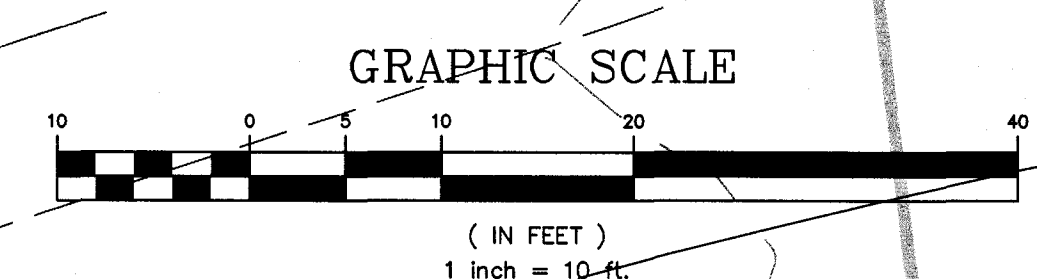
Page No. 4.1

IMP

RED HAWK (40' WIDE) PLACE  
P.B. 38 PGS 142-143

REVISION #7,  
8-1-2013

ISSUE	REMARKS/DATE
1	10-16-2012, INITIAL SUBMITTAL
2	11-29-2012, CITY COMMENTS
3	1-14-2013, CITY & DSD COMMENTS
4	2-13-2013, CITY COMMENTS
5	3-13-2013, REVISED STORM & SANITARY
6	3-22-2013, REVISED UNDERDRAIN
7	8-1-2013, REVISED STORM SEWERS
8	11-11-2013, SEWER AS-BUILTS



PROJECT TITLE  
**BOARDWALK GARDENS**  
OF FALLON, MISSOURI

**STERLING CO.**  
ENGINEERS & SURVEYORS  
5065 New Baumgartner Road  
St. Louis, Missouri 63129  
Ph 314-487-0440 Fax 314-487-8944  
www.sterling-eng-sur.com  
Corporate Certificate of Authority #001348

**STORM AND SANITARY SEWER MEASUREMENTS**

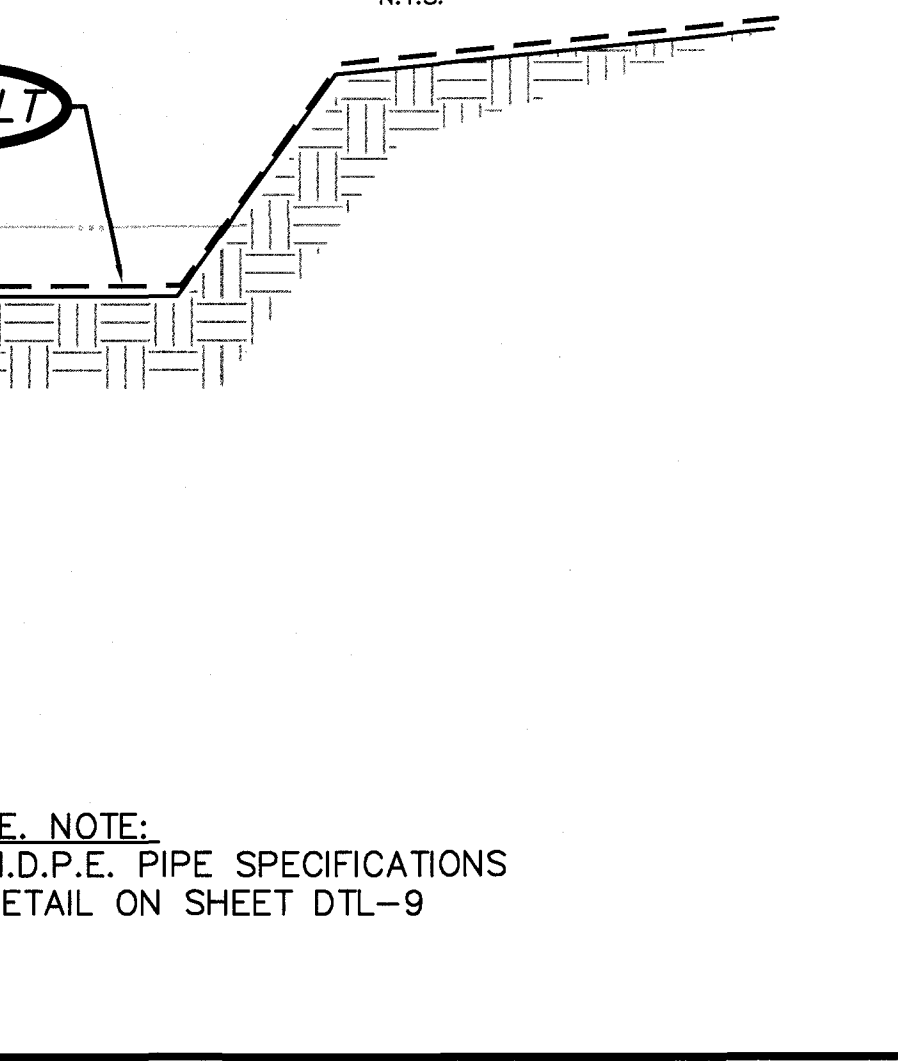
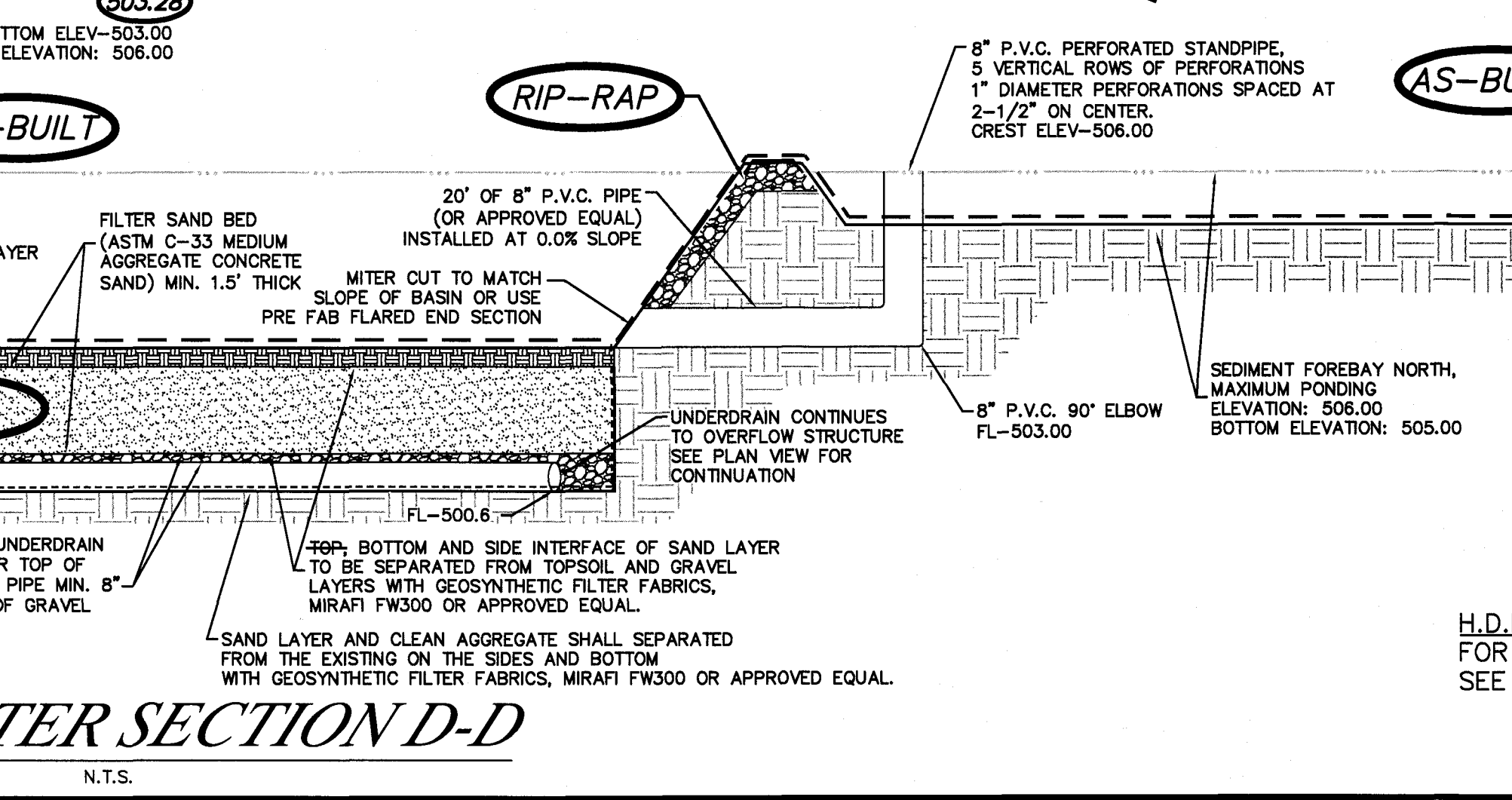
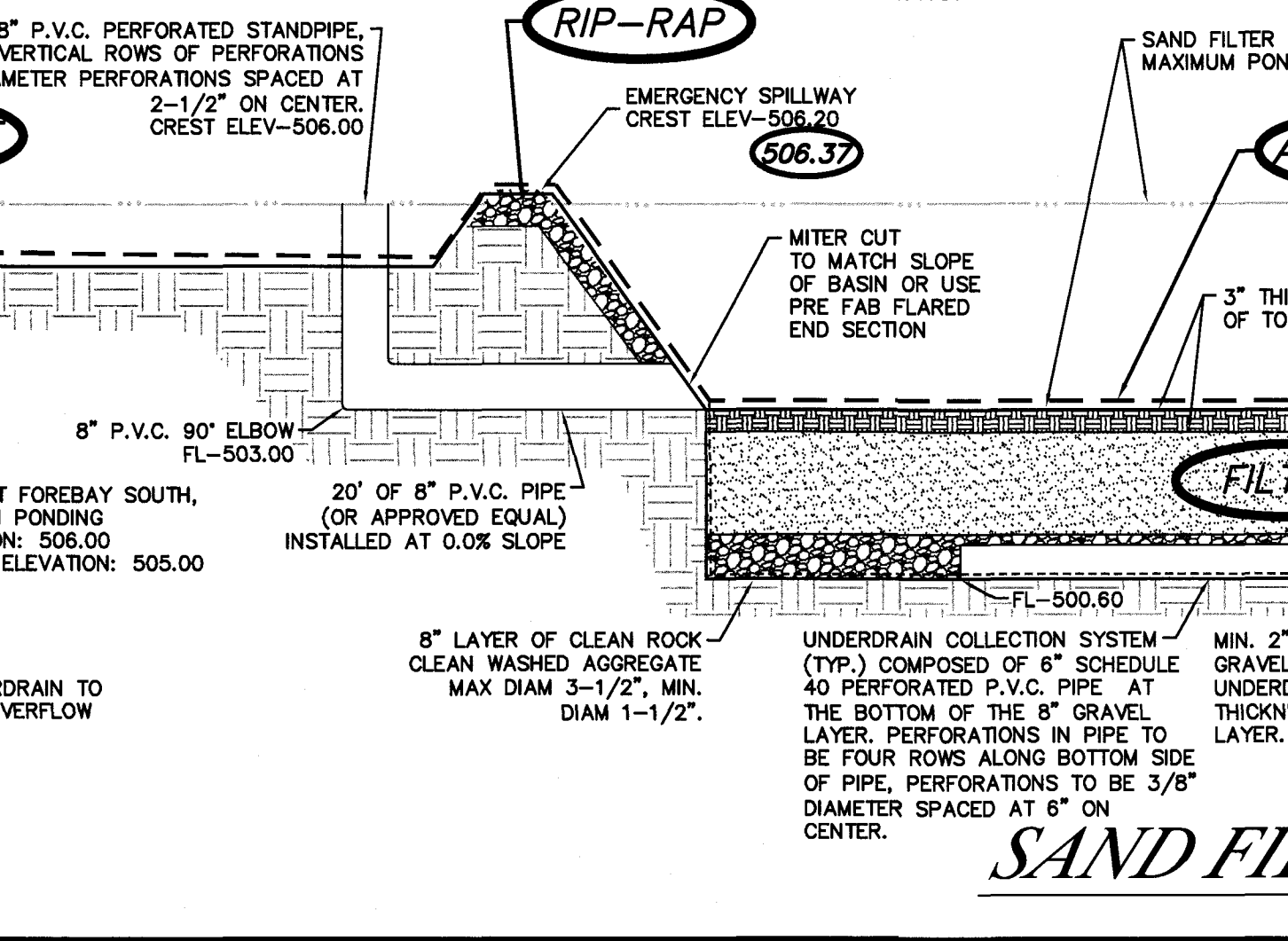
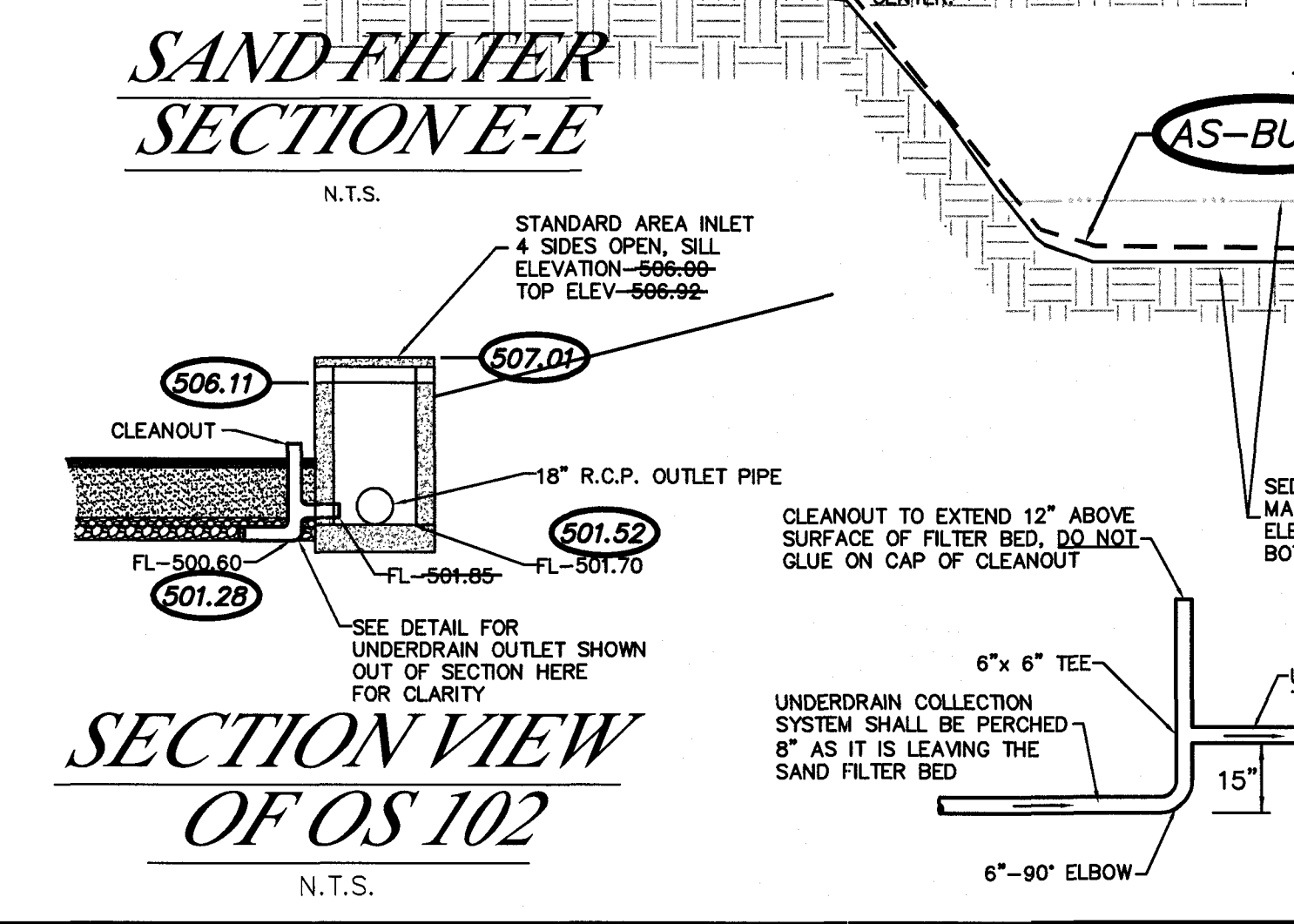
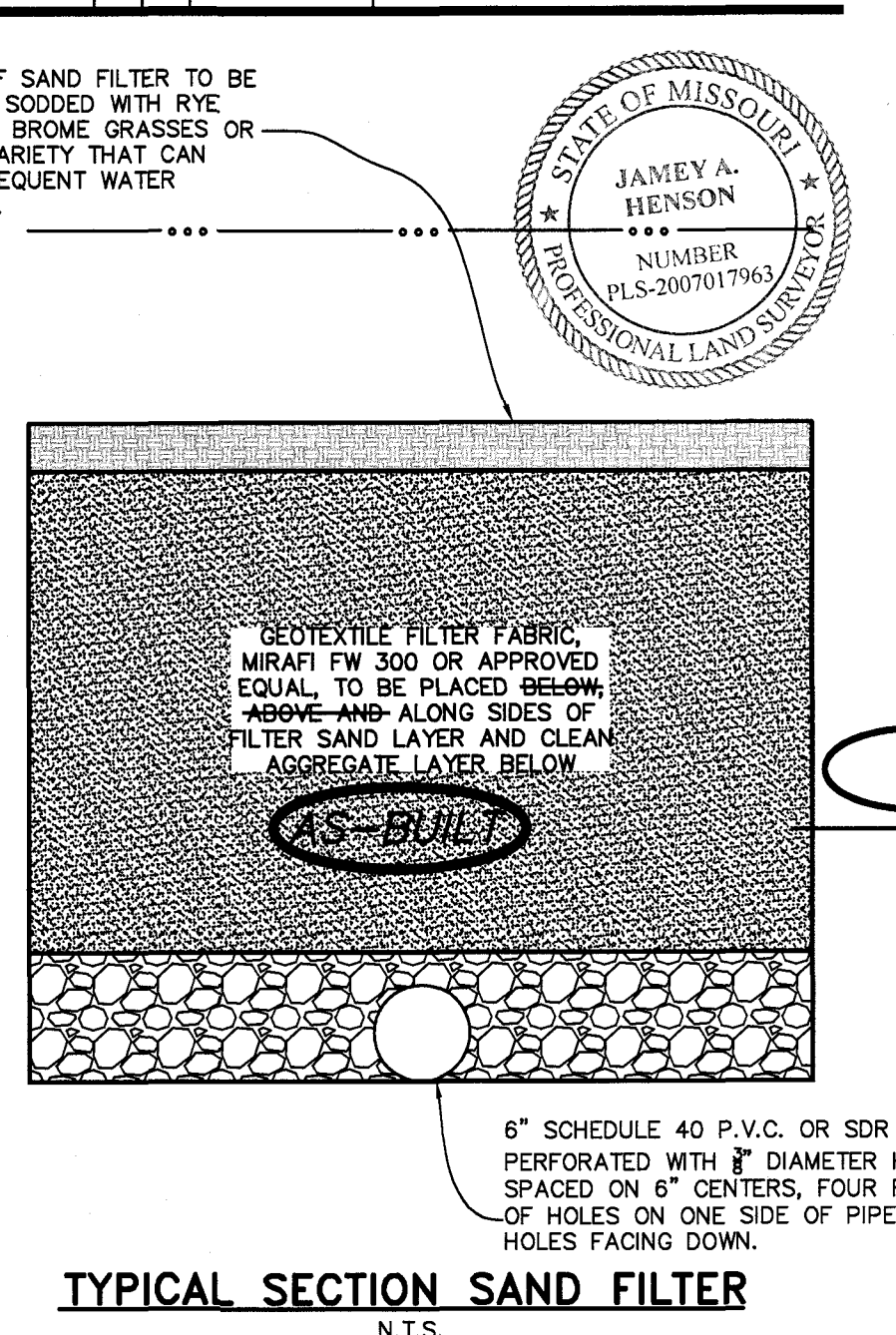
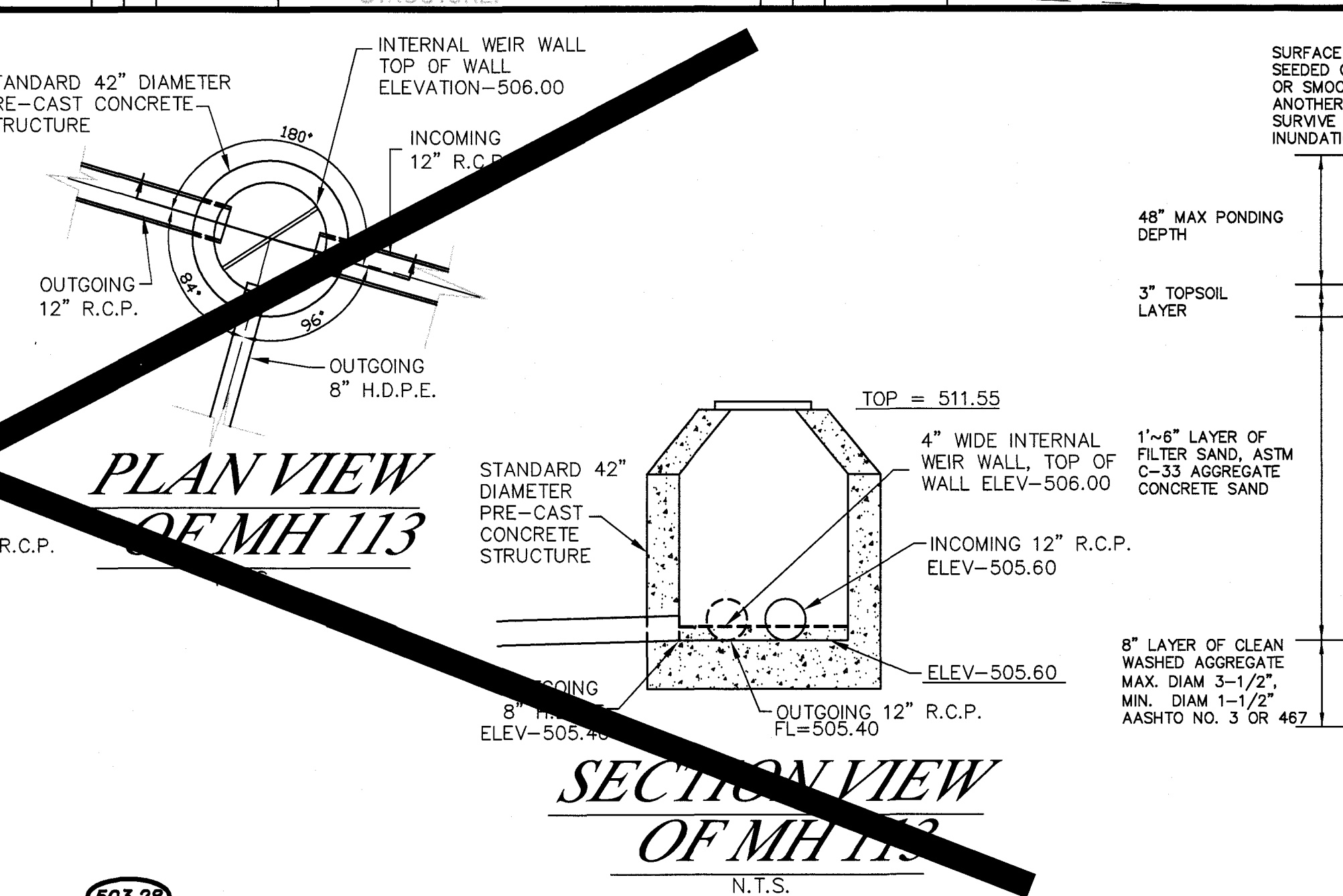
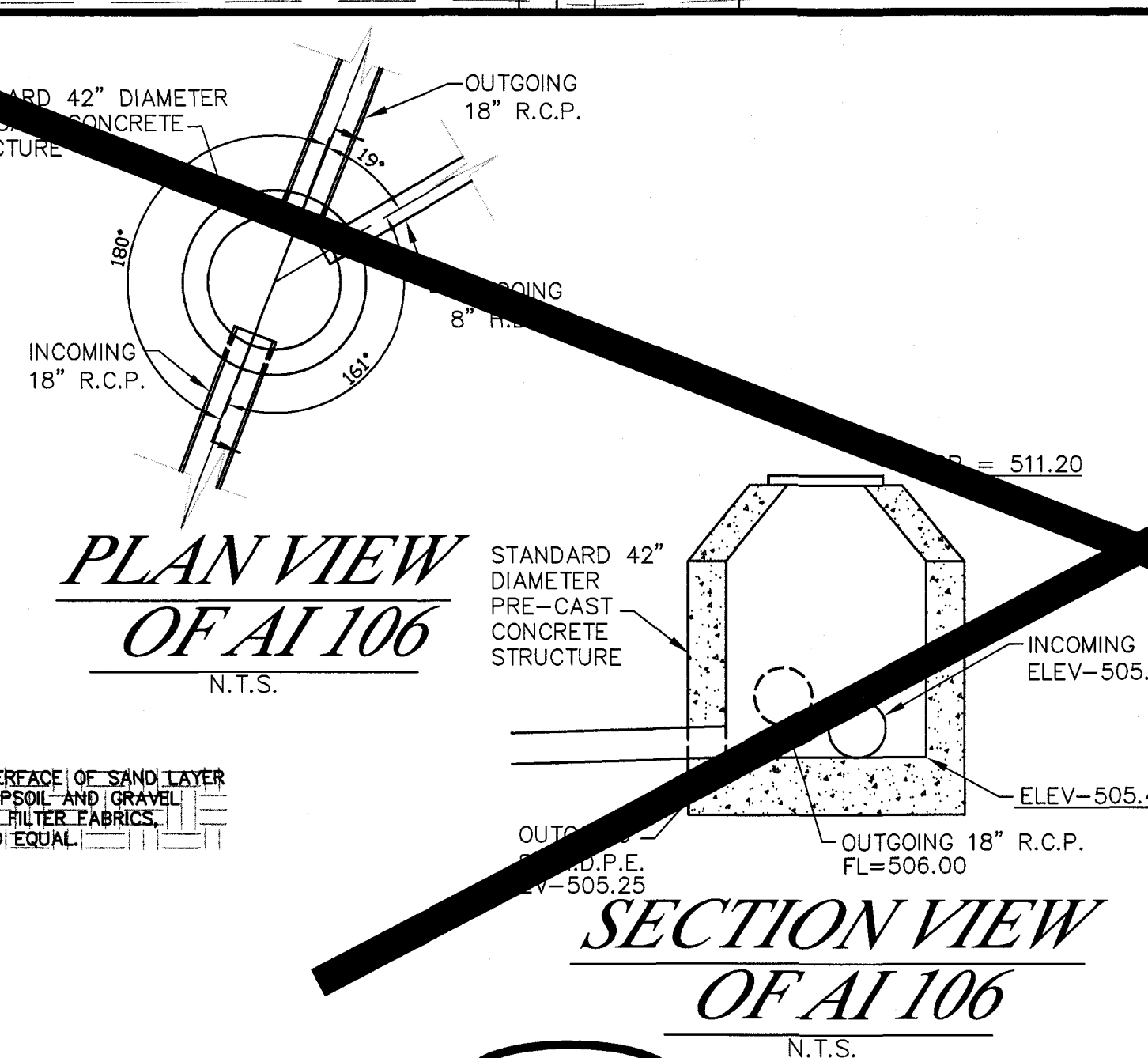
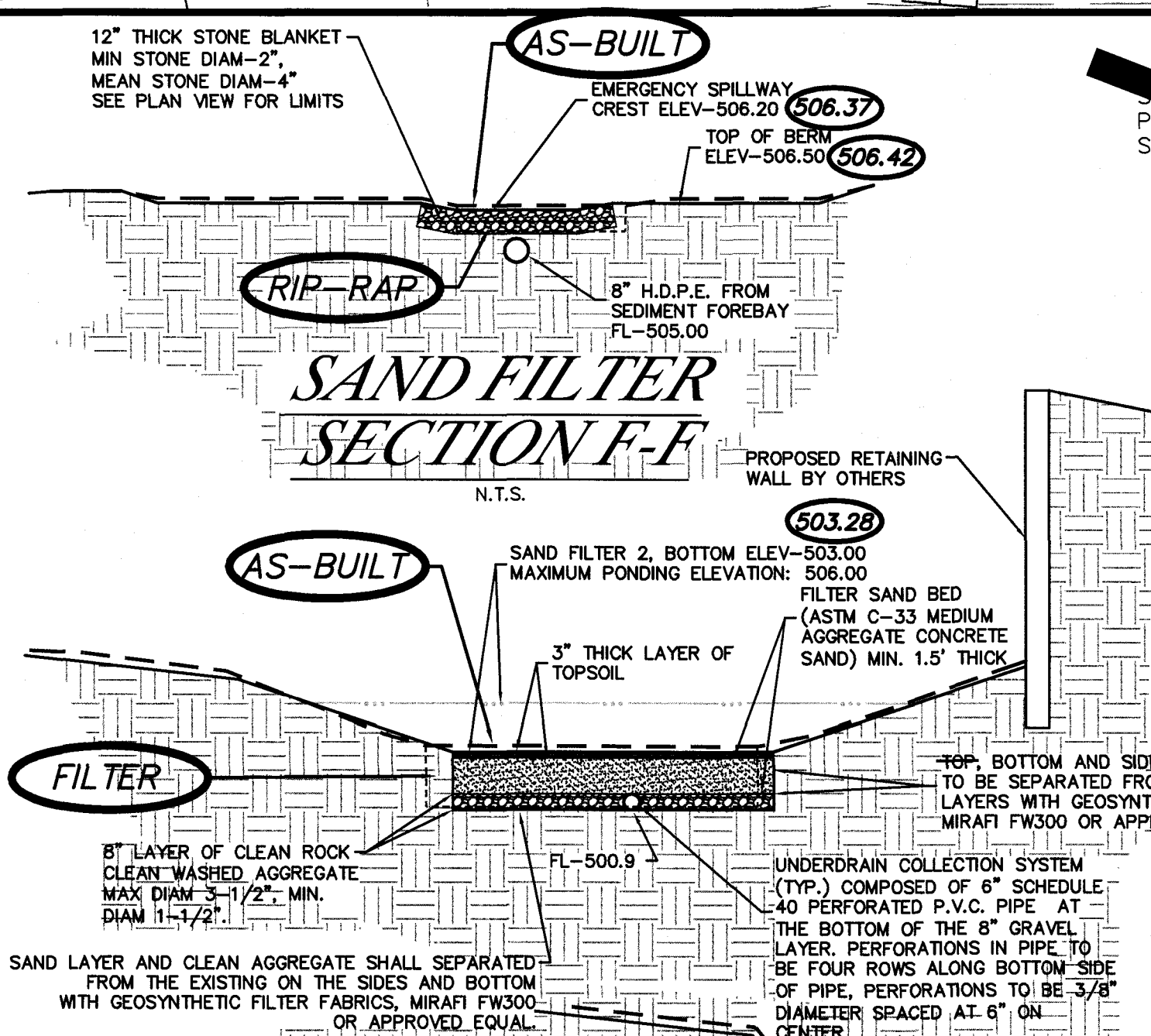
The existing sewer length, sizes, flowlines, depths of structures and sewers, and locations with respect to existing or proposed easements have been measured. The results of those measurements are shown on this set of Final Measurement Plans. Since the wye locations have been plotted from information provided by the sewer contractor or other sources, I disclaim any responsibility for that specific information.

All public sewers are located within the designated existing or proposed easements except as follows:



THE STERLING COMPANY  
By *Jamey A. Henson*  
Jamey A. Henson  
No. Reg. P.L.S. - #2007017963

**AS-BUILT**



**MCBRIDE RED HAWK, LLC**  
16091 SWINGLEY RIDGE ROAD, SUITE 300  
CHESTERFIELD, MISSOURI 63017  
PH. 636-537-2000  
Contact: Jeremy Roth

P+Z No. 9831.34.09.01  
City No.  
Date: OCT. 16, 2012  
Job No. 12-05-128  
Page No.

**10.1**

IMP