

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

PROJECT TITLE

BOARDWALK GARDENS
OF FALLON, MISSOURI

THE STERLING CO.
ENGINEERS & SURVEYORS
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P+Z No. 9831.34.09.01
City No.
Date: OCT. 16, 2012
Job No. 12-05-128
Page No.

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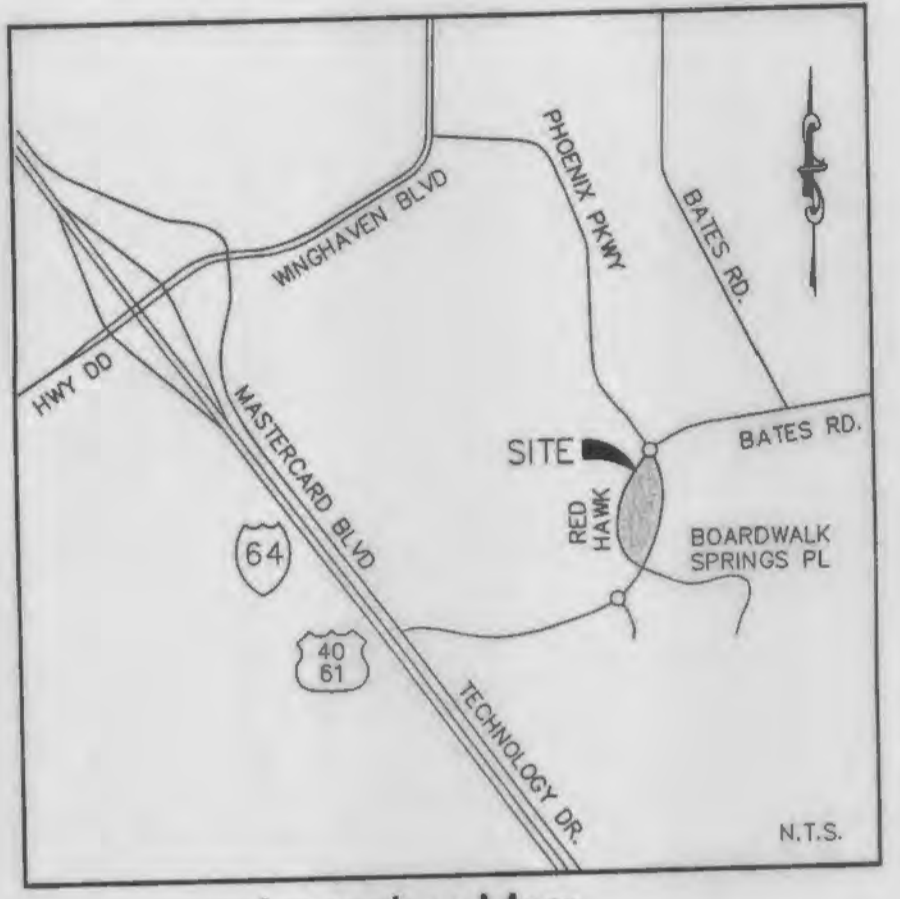
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A SET OF AS-BUILT PLANS FOR BOARDWALK GARDENS

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

Legal Description

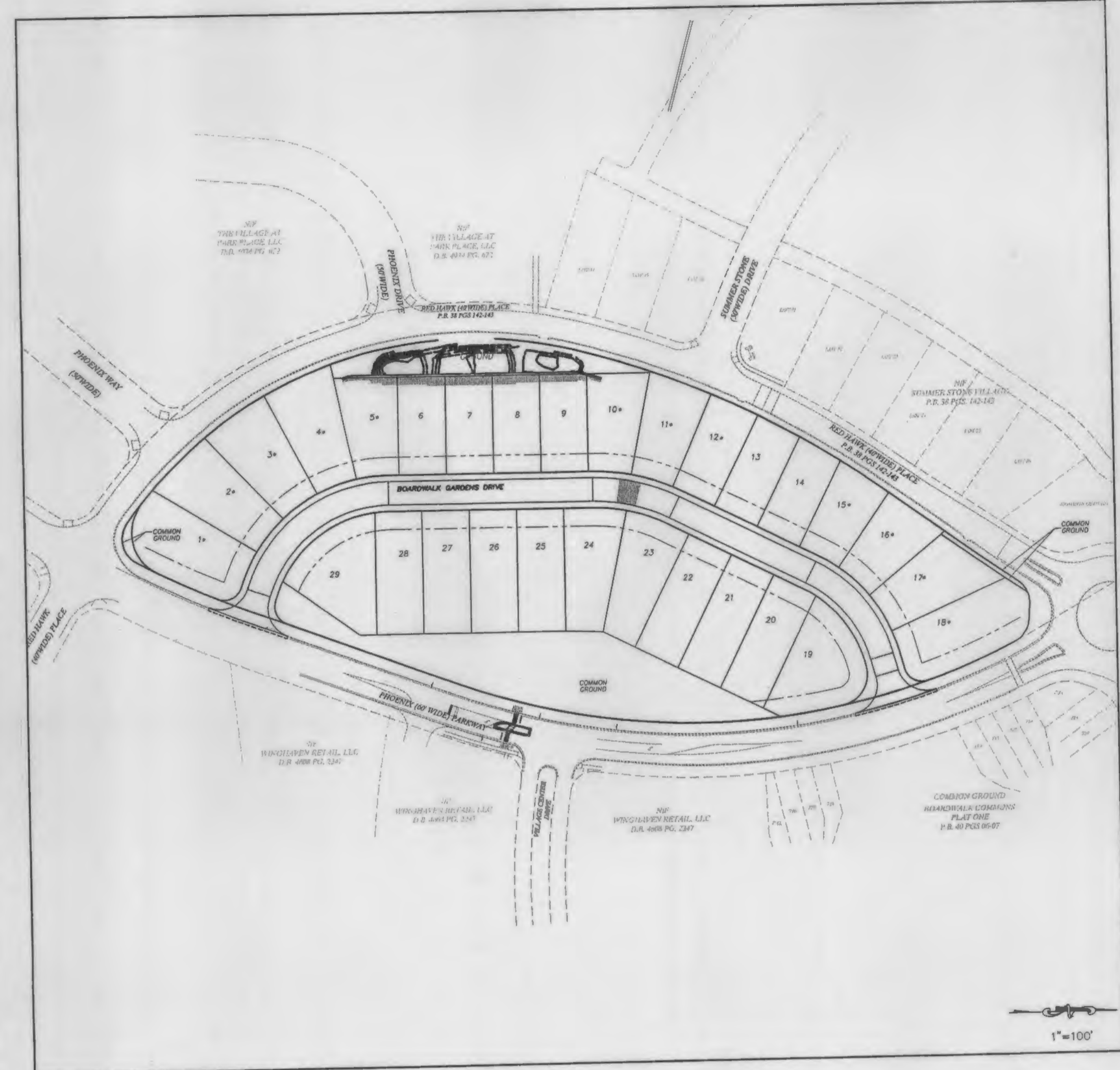
A TRACT OF LAND BEING A PART OF U.S. SURVEY 1641, TOWNSHIP 46 NORTH, RANGE 3 EAST, CITY OF O'FALLON, ST. CHARLES COUNTY, MISSOURI AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
COMMENCING AT THE INTERSECTION OF THE WESTERN LINE OF PHOENIX PARKWAY (60' WIDE) AND THE NORTHERN MOST CORNER OF SUMMER STONE VILLAGE AS RECORDED IN PLAT BOOK 38 PAGE 142-143 OF THE ST. CHARLES COUNTY RECORDS; THENCE ALONG THE WESTERN LINE OF SAID PHOENIX PARKWAY ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 770.00 FEET, AN ARC DISTANCE OF 139.57 FEET AND A CHORD WHICH BEARS SOUTH 34°58'05" EAST 139.48 FEET TO A POINT; THENCE SOUTH 22°48'18" EAST A DISTANCE OF 770.00 FEET, AN ARC DISTANCE OF 41.57 FEET TO A POINT; THENCE ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 770.00 FEET, AN ARC DISTANCE OF 630.15 FEET AND A CHORD WHICH BEARS SOUTH 28°13'31" EAST 11.56 FEET TO THE POINT OF BEGINNING OF THE HEREIN DESCRIBED TRACT OF LAND; THENCE CONTINUING ALONG SAID CURVE TO THE RIGHT HAVING A RADIUS OF 770.00 FEET, AN ARC DISTANCE OF 248.19 FEET TO A POINT OF CURVATURE; THENCE 03°14'03" EAST 812.71 FEET TO A POINT; THENCE SOUTH 20°12'38" WEST A DISTANCE OF 134.10 FEET AND A CHORD WHICH BEARS SOUTH 24°10'16" WEST 124.00 FEET TO A POINT OF COMPOUND CURVE; THENCE ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC DISTANCE OF 50.93 FEET AND A CHORD WHICH BEARS SOUTH 76°45'58" WEST 526.74 FEET TO A POINT OF CURVATURE; THENCE ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 485.00 FEET, AN ARC DISTANCE OF 559.97 FEET AND A CHORD WHICH BEARS NORTH 20°08'04" WEST 526.74 FEET TO A POINT OF COMPOUND CURVE; THENCE ALONG THE NORTHERN LINE OF SAID RED HAWK PLACE ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 371.97 FEET AND A CHORD WHICH BEARS NORTH 25°05'09" EAST 369.81 FEET TO A POINT OF TANGENCY; THENCE NORTH 35°46'25" EAST A DISTANCE OF 141.89 FEET TO A POINT OF CURVATURE; THENCE ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 1020.00 FEET, AN ARC DISTANCE OF 42.24 FEET AND A CHORD WHICH BEARS NORTH 34°35'14" EAST 42.24 FEET TO A POINT OF REVERSE CURVE; THENCE ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC DISTANCE OF 33.74 FEET AND A CHORD WHICH BEARS NORTH 65°37'13" EAST 31.99 FEET TO A POINT OF REVERSE CURVE; THENCE ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 90.00 FEET, AN ARC DISTANCE OF 11.03 FEET AND A CHORD WHICH BEARS SOUTH 85°40'13" EAST 11.02 FEET TO A POINT OF REVERSE CURVATURE; THENCE ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 30.00 FEET, AN ARC DISTANCE OF 32.73 FEET AND A CHORD WHICH BEARS SOUTH 57°55'46" EAST 31.13 FEET TO THE POINT OF BEGINNING AND CONTAINING 279,800 SQUARE FEET OR 6.4167 ACRES, MORE OR LESS, ACCORDING TO A BOUNDARY SURVEY BY THE STERLING COMPANY DURING THE MONTH OF SEPTEMBER, 2010 UNDER ORDER NUMBER 10-07-213.



Locator Map

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_PW_ENGINEERING.HTM](http://www.ofallon.mo.us/DEPT_PW_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 PROVISIONS 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.



Plan View

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Benchmarks

Site

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

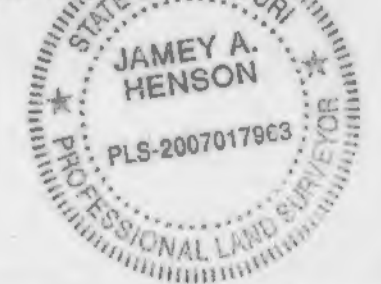
Project Data

- 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*
Jamey A. Henson
Mo. Reg. P.L.S. - #2007017963

Gazebo Construction Note:

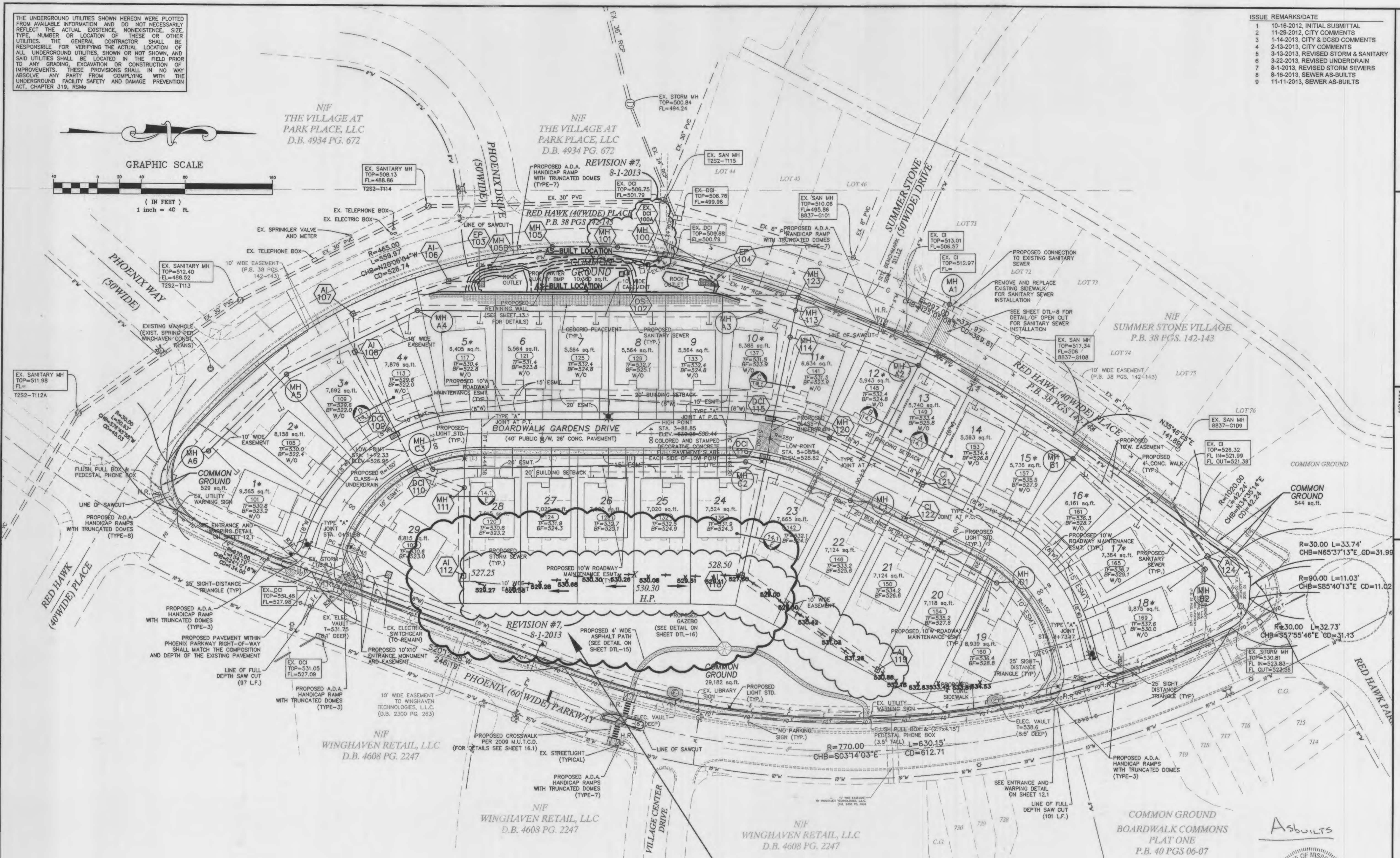
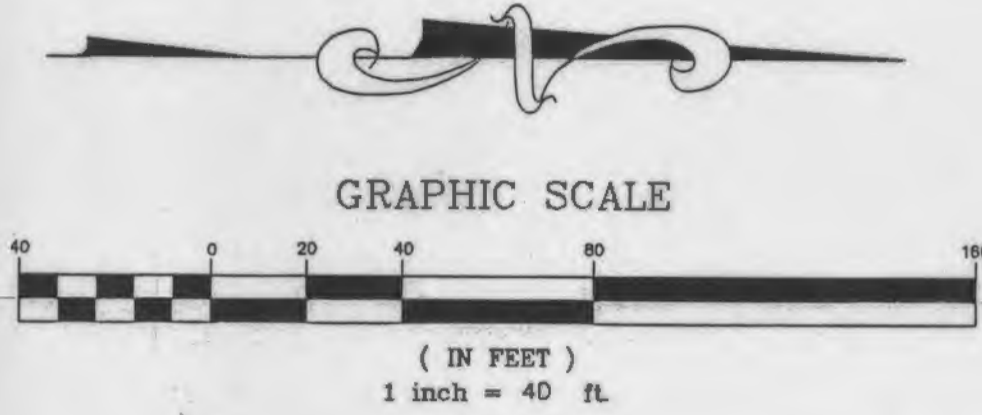
A SEPARATE PERMIT SHALL BE REQUIRED PRIOR TO CONSTRUCTION OF THE PROPOSED GAZEBO.

Legend

EXISTING		PROPOSED
542	CONTOURS	542
X536	SPOT ELEVATIONS	536.0
---	CENTER LINE	---
---	BUILDINGS, ETC.	---
---	TREE LINE	---
X	FENCE	---
---	STORM SEWERS	---
---	SANITARY SEWERS	---
EX	CATCH BASIN	---
EX	AREA INLET	---
EX	GRATED INLET	---
EX	STORM MANHOLE	---
EX	SANITARY MANHOLE	---
EX	FLARED END SECTION	---
EX	CLEANOUT	---
---	LATERAL CONNECTION	---
---	UTILITY OR POWER POLE	---
---	FIRE HYDRANT	---
---	TEST HOLE	---
---	PAVEMENT	---
---	GAS MAIN & SIZE	---
---	WATER MAIN & SIZE	---
T	TELEPHONE	---
---	ELECTRIC (U) UNDERGROUND	---
---	ELECTRIC (O) OVERHEAD	---
FO	FIBER OPTIC	---
C	CABLE	---
E	FLOW LINE	---
---	TO BE REMOVED	---
TC	TOP OF CURB	---
---	SWALE	---
---	LIGHT STANDARD	---
---	STREET SIGN	---
P.S.	PARKING STALL	---
---	YARD LIGHT	---
W/O	W/O DENOTES PROPOSED WALKOUT LOTS	---
H.R.	H.R. DENOTES PROPOSED HANDICAP RAMP	---
W	W/ TRUNCATED DOME	---

Drawing name: GASDSCRPLD1007213 VINGHAVEN PHOENIX PKWY (MCBRIDE)NDMCAAS-BUILD151528 AS-BUILT15.dwg

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



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OF FALLON, MISSOURI

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5055 New Baumgartner Road
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Corporate Certificate of Authority #001348

The Professional Engineer's seal and signature offered in this drawing shall be void unless all drawings are filed in the office of the Engineer. No drawings, instruments or other documents not bearing the seal and signature shall be used in connection with this project. The Engineer assumes no responsibility for any errors or omissions in this drawing or any documents not submitted with this seal and signature.

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

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PH. 636-537-2000
Contact: Jeremy Roth

SITE PLAN

P+Z No. 9831.34.09.01
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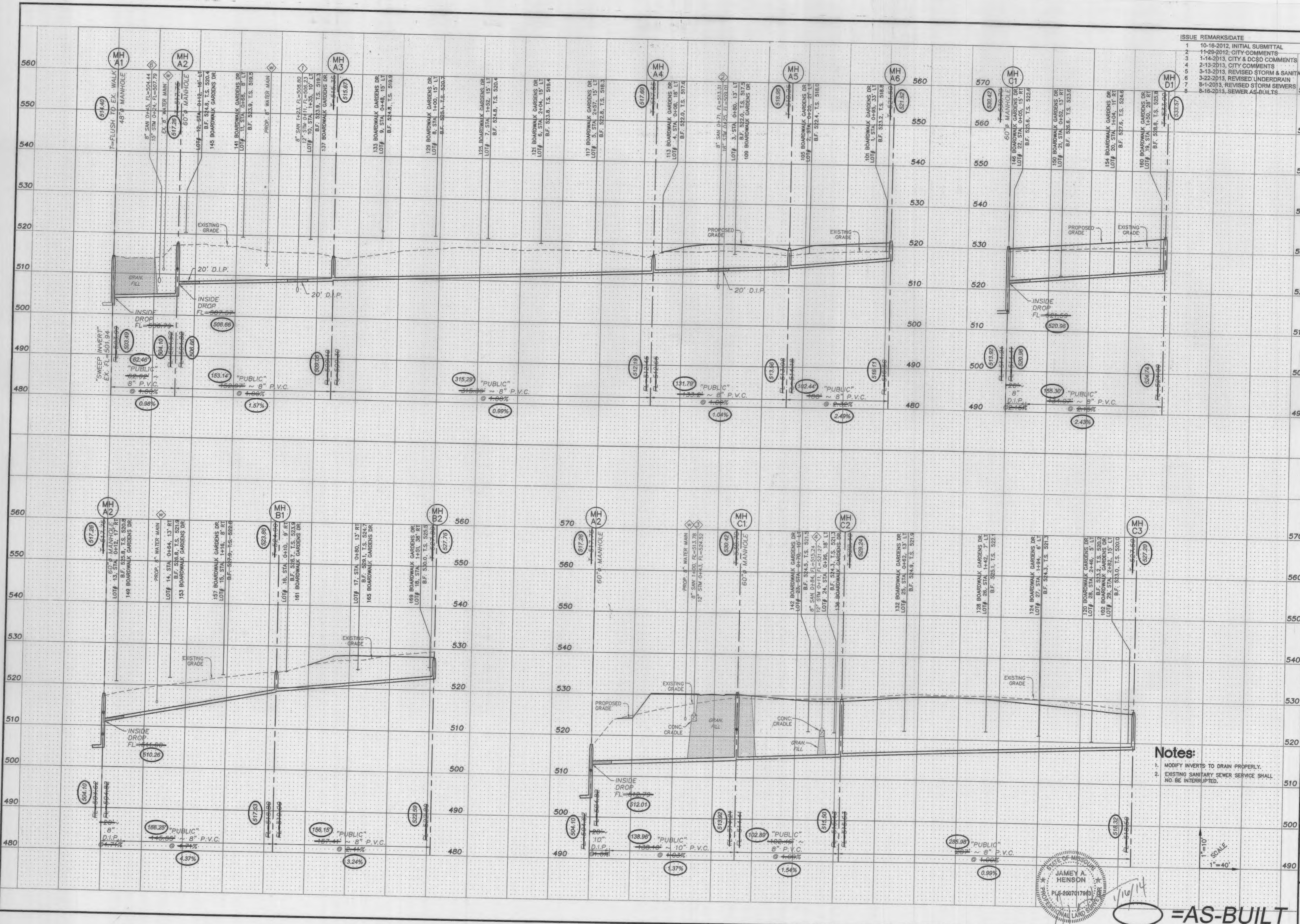
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Note:
ALL PROPOSED SAW CUTS ON EXISTING CONCRETE STREETS SHALL BE FROM JOINT TO JOINT.

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.





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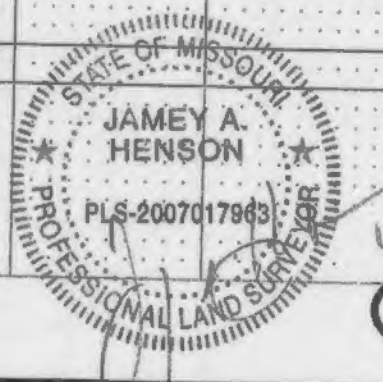
The Professional Engineer's seal and signature appear on this sheet. All drawings, instruments or other documents prepared by this engineer, and the engineer's signature, shall not be valid unless the seal and signature are present.

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

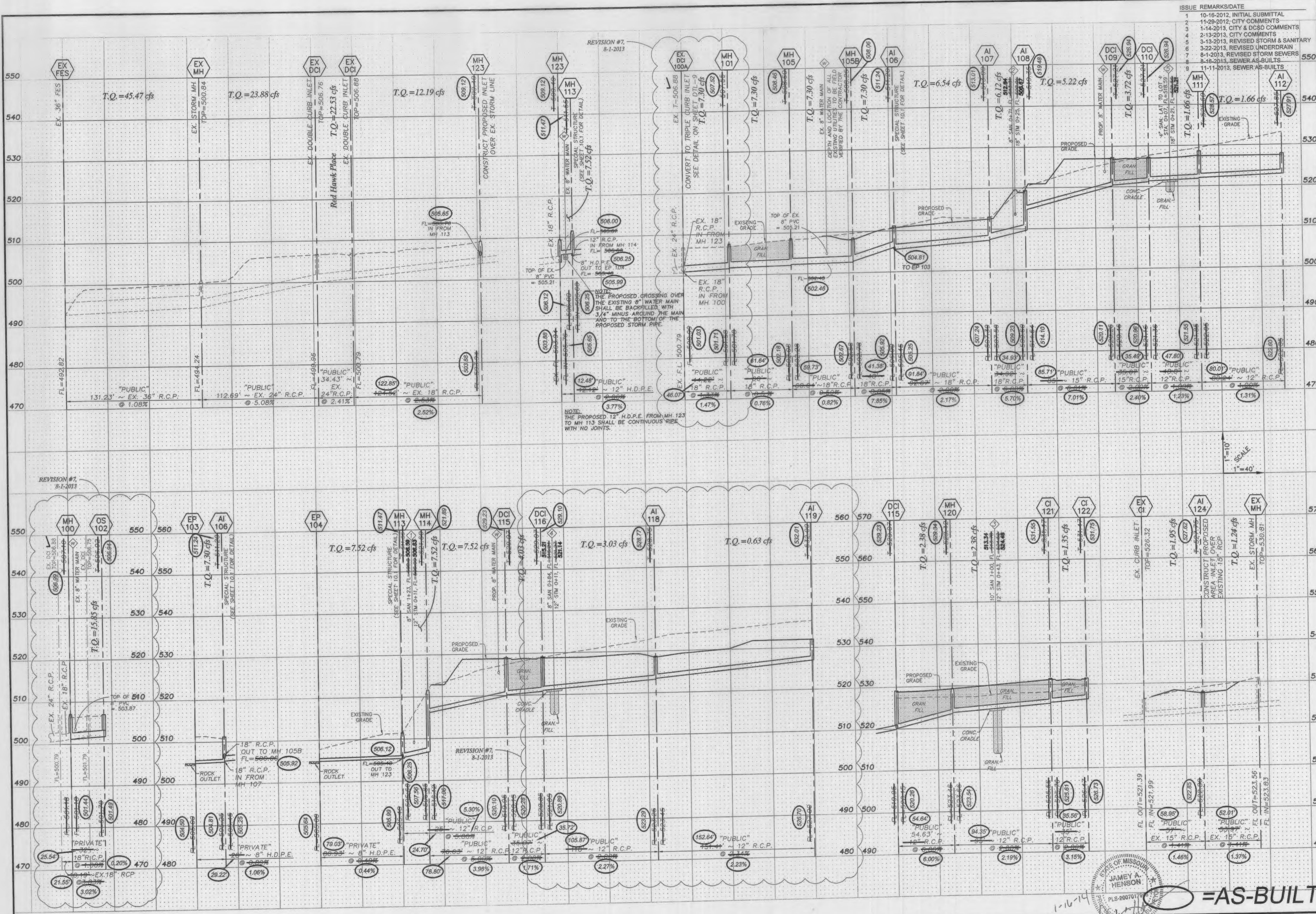
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Notes:
 1. MODIFY INVERTS TO DRAIN PROPERLY.
 2. EXISTING SANITARY SEWER SERVICE SHALL NOT BE INTERRUPTED.



○ = AS-BUILT



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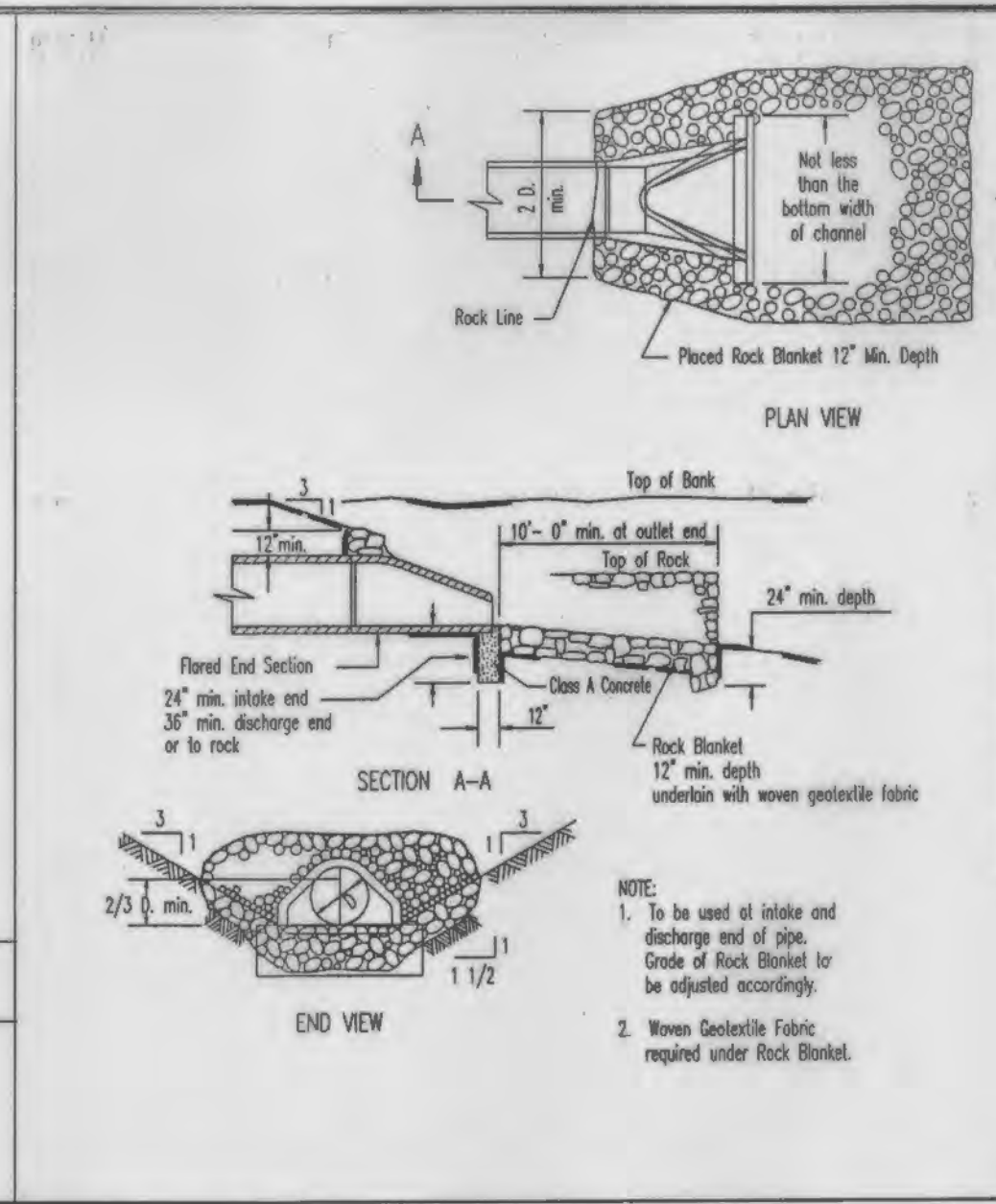
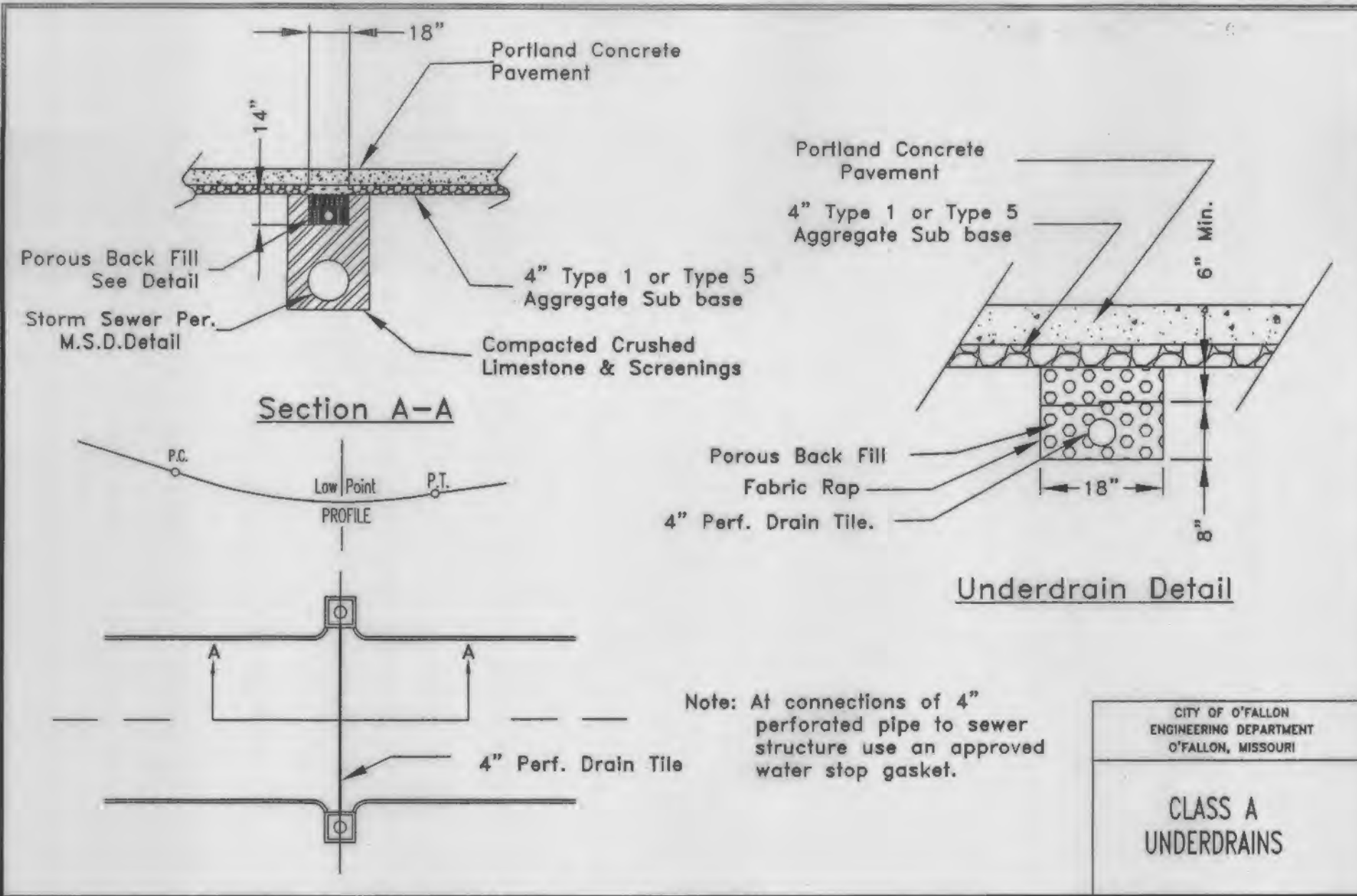
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STORM SEWER PROFILES

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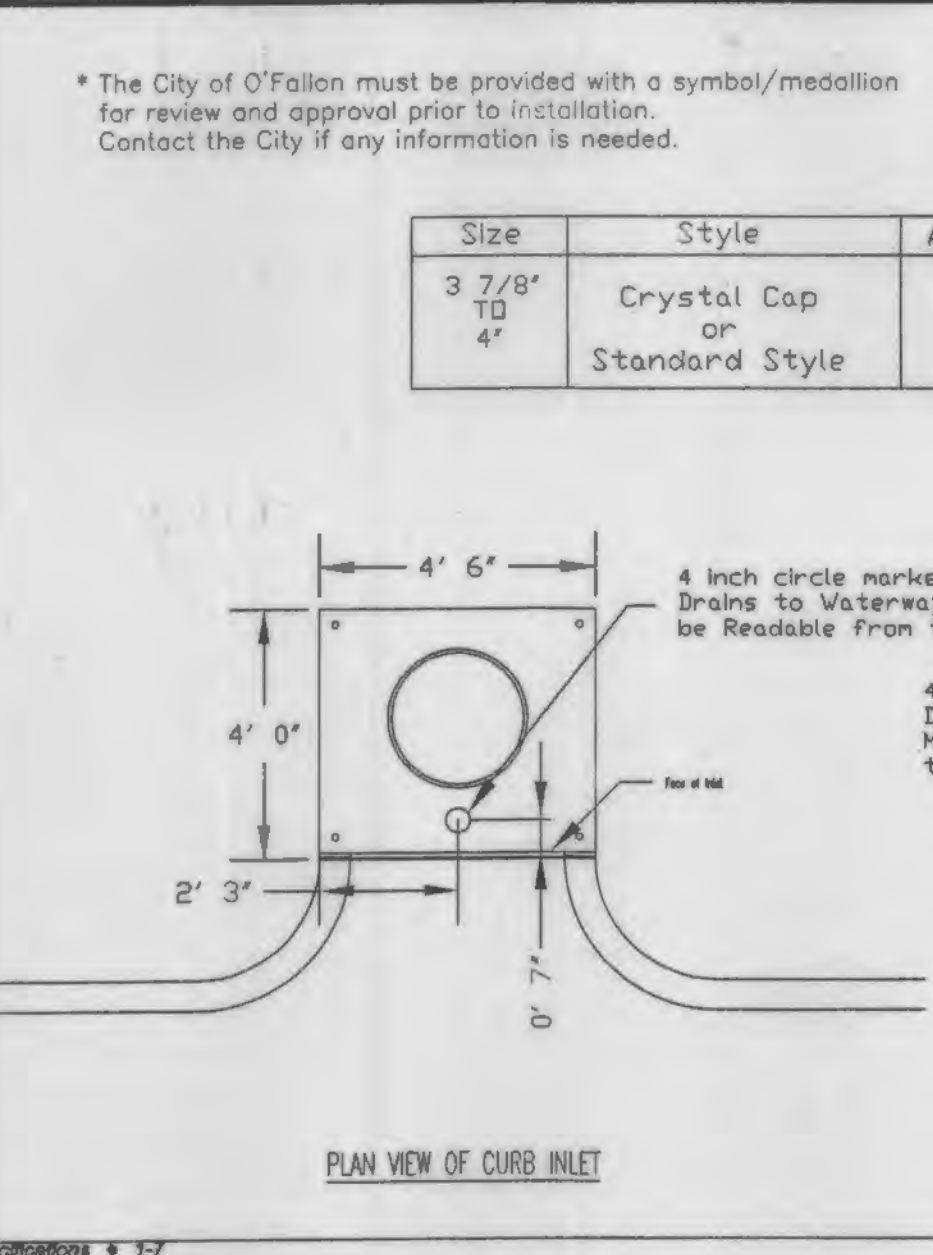
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MSD Type 5 Rock Blanket (% By Weight Passing)

Sieve	Maximum	Minimum
12 inch	90	70
6 inch	30	10
1/2 inch	5	0

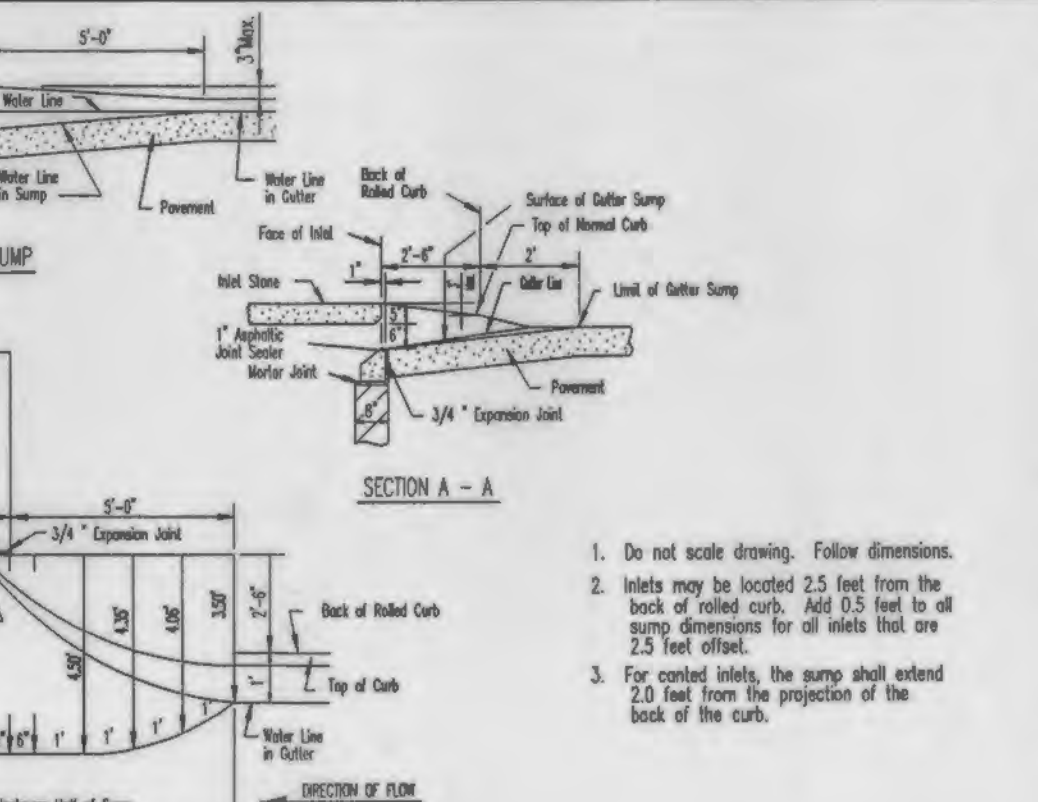
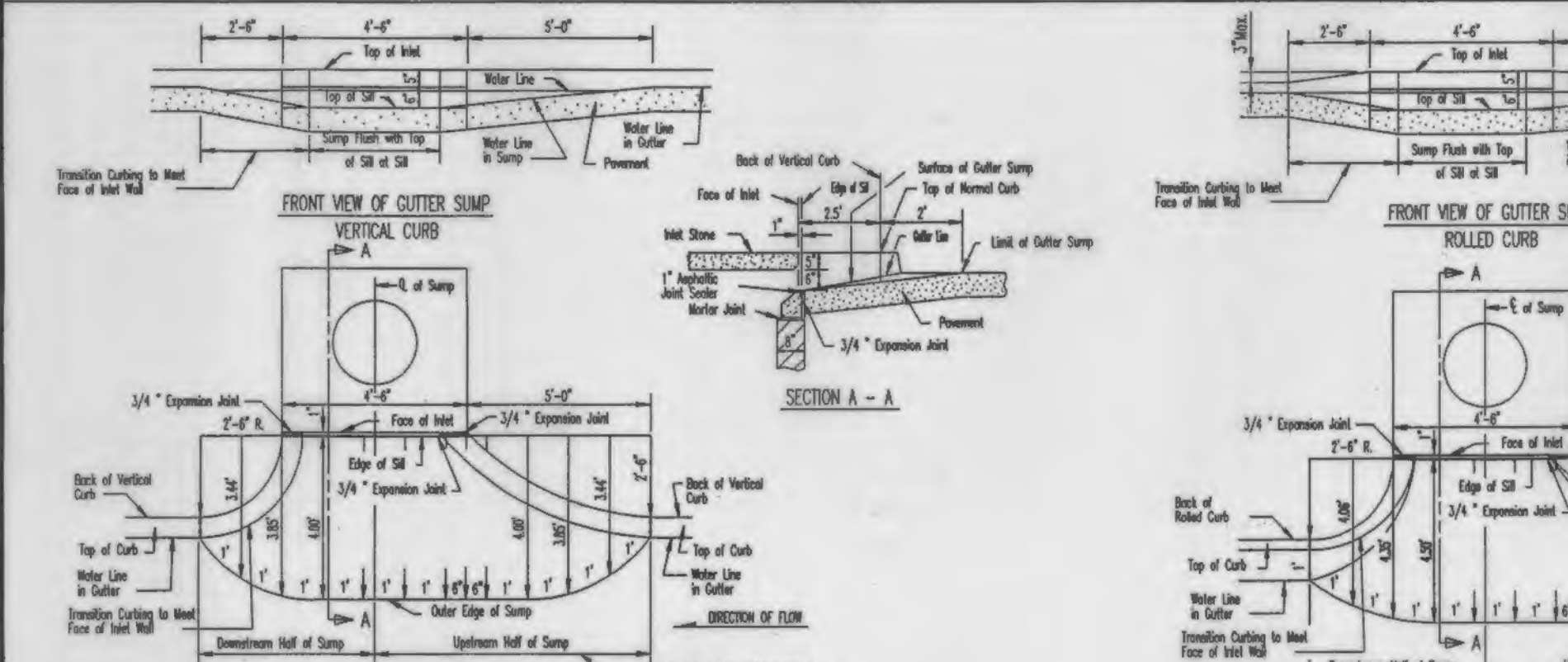
NOTE:
 1. To be used of intake and discharge end of pipe. Grade of Rock Blanket to be adjusted accordingly.
 2. Woven Geotextile Fabric required under Rock Blanket.



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Size 3 7/8" TO 4"
Style Crystal Cap or Standard Style
Adhesive Epoxy
Message (Part #) No Dumping Drains to Waterway



HANCOR, INC. DRAINAGE HANDBOOK

HANCOR SURE-LOK® ST 1B PIPE (per AASHTO) SPECIFICATIONS

Scope:
 This specification describes 4- through 60-inch (100 to 1500 mm) Hancor Sure-Lok ST 1B pipe (per AASHTO) for use in gravity flow drainage applications.

Pipe Description:
 Sure-Lok ST 1B pipe (per AASHTO) shall have a smooth interior and annular exterior corrugation.
 • 4- through 10-inch (100 to 250 mm) shall meet AASHTO M252, Type S.
 • 12- through 60-inch (300 to 1500 mm) shall meet AASHTO M294, Type S or ASTM F2306.
 • Manning's "n" value for use in design shall be 0.012.

Joint Performance:
 Pipe shall be joined using a bell & spigot joint meeting AASHTO M252, AASHTO M294 or ASTM F2306. The joint shall be self-tight and gaskets, when applicable, shall meet the requirements of ASTM F477. Gaskets shall be installed by the pipe manufacturer and covered with a removable wrap to ensure the gasket is free from debris. A joint lubricant supplied by the manufacturer shall be used on the gasket and bell during assembly.

Fillings:
 Fillings shall conform to AASHTO M252, AASHTO M294, or ASTM F2306. Bell and spigot connections shall utilize a self-on or welded bell and spigot or saddle gasket ensuring the self-tight joint performance requirements of AASHTO M252, AASHTO M294 or ASTM F2306.

Substrate Preparation:
 Virgin material for pipe and fitting production shall be high density polyethylene conforming with the minimum requirements of cell classification 424420C for 4- through 10-inch (100 to 250 mm) diameters, or 436640C for 12- through 60-inch (300 to 1500 mm) diameters, as defined and described in the latest version of ASTM D3350, except that carbon black content shall not exceed 4%. The 12- through 60-inch (300 to 1500 mm) virgin pipe material shall comply with the notched constant (impact-stress) (NCS) test as specified in Sections 9.8 and 6.1 of AASHTO M294 and ASTM F2306, respectively.

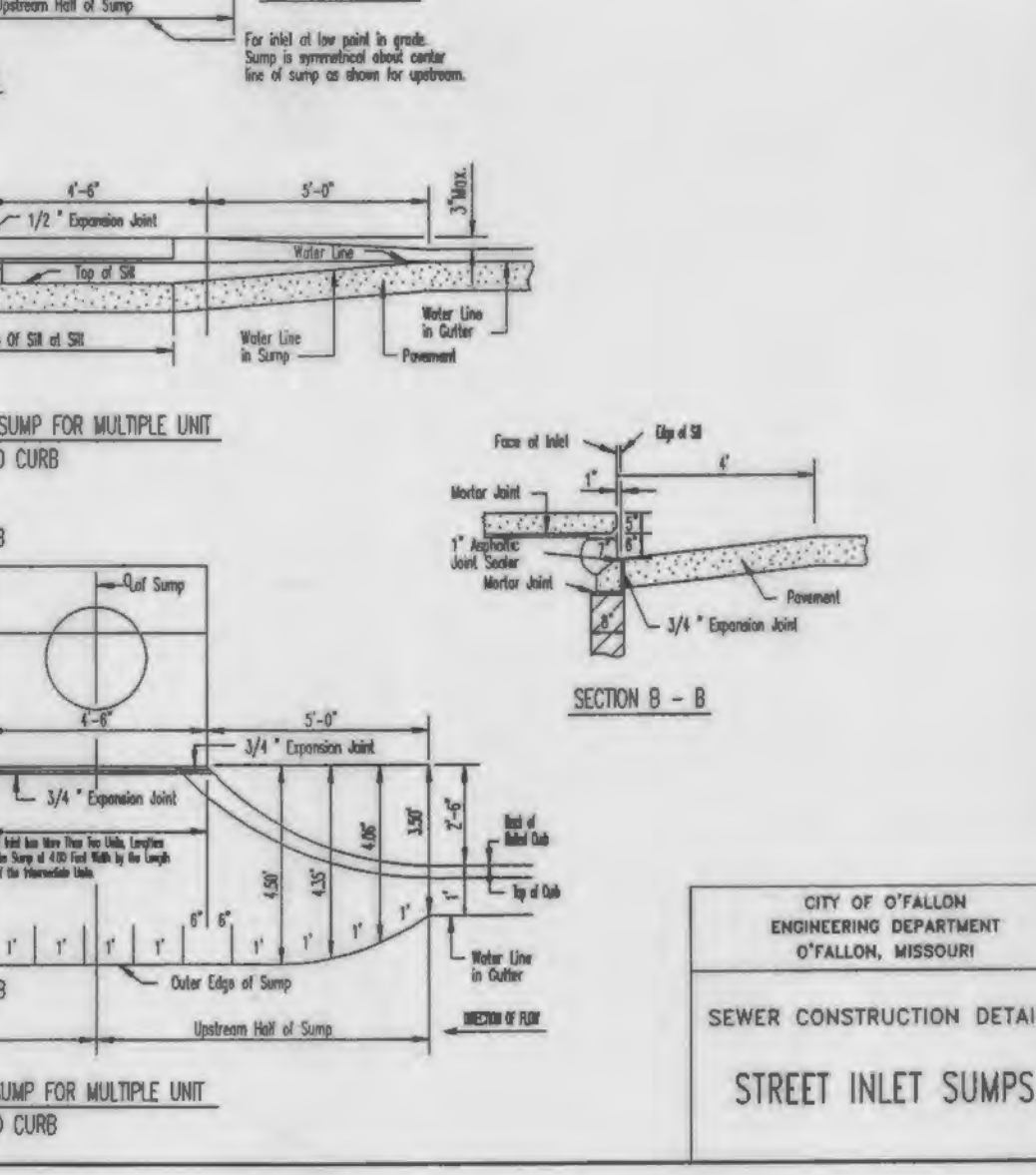
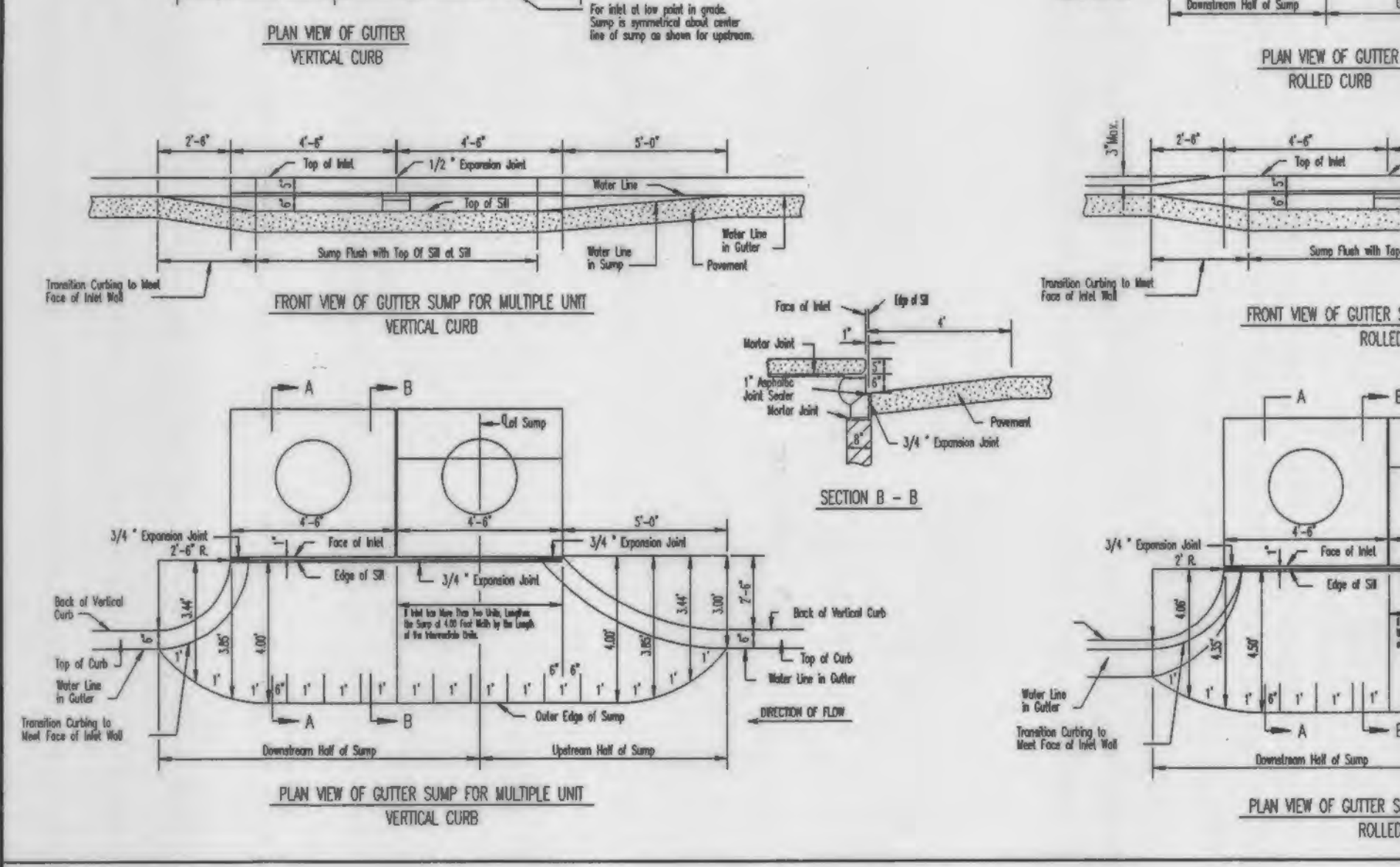
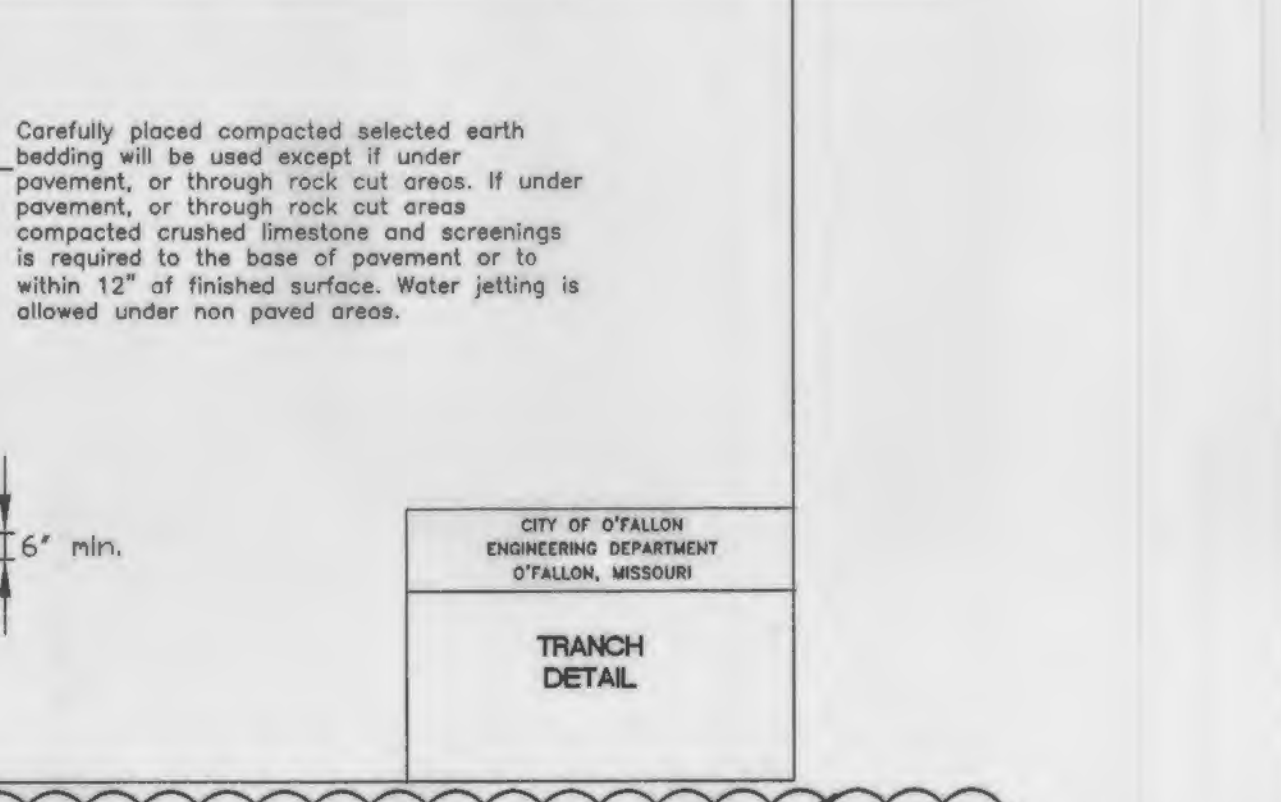
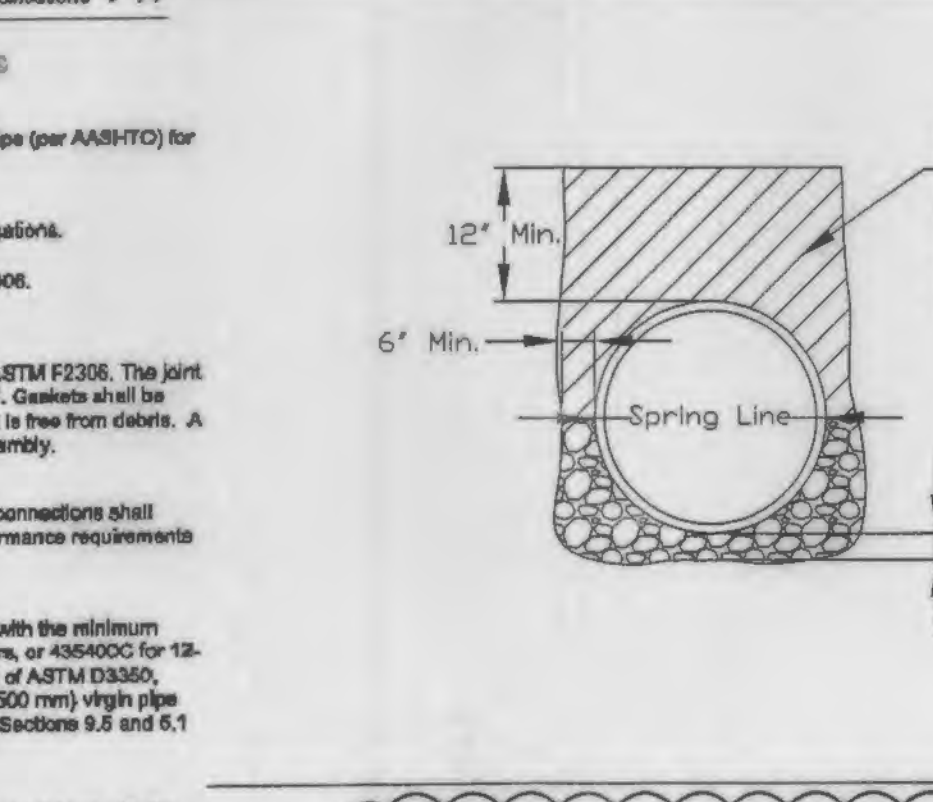
Installation:
 Installation shall be in accordance with ASTM D2321 and Hancor recommended installation guidelines with the exception that minimum cover in trafficked areas for 4- through 60-inch (100 to 1500 mm) diameters shall be one foot (0.3 m) and for 60- and 60-inch (1500 and 1500 mm) diameters shall be 2 ft (0.6 m) in single run applications. Backfill for minimum cover situations shall consist of Class 1, Class 2 (minimum 90% SPD) or Class 3 (minimum 80% SPD) material. Maximum fill height depends on embankment material and compaction level; please refer to Technical Note 2.01. Contact your local Hancor representative or visit our website at www.hancor.com for a copy of the latest installation guidelines.

Pipe Dimensions:

Pipe I.D.	4	6	8	10	12	15	18	24	30	36	42	48	54	60
Min. O.D.	4.8	6.0	8.4	11.4	14.4	18.0	22.8	28.8	34.8	40.8	46.8	52.8	58.8	64.8
Max. O.D.	5.0	6.2	8.6	11.6	14.6	18.2	23.0	29.0	35.0	41.0	47.0	53.0	59.0	65.0
Min. Wall	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Max. Wall	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

NOTE:
 • Pipe O.D. values are provided for reference purposes only; values listed for 12- through 60-inch are ± 1 inch. Contact a sales representative for exact values.

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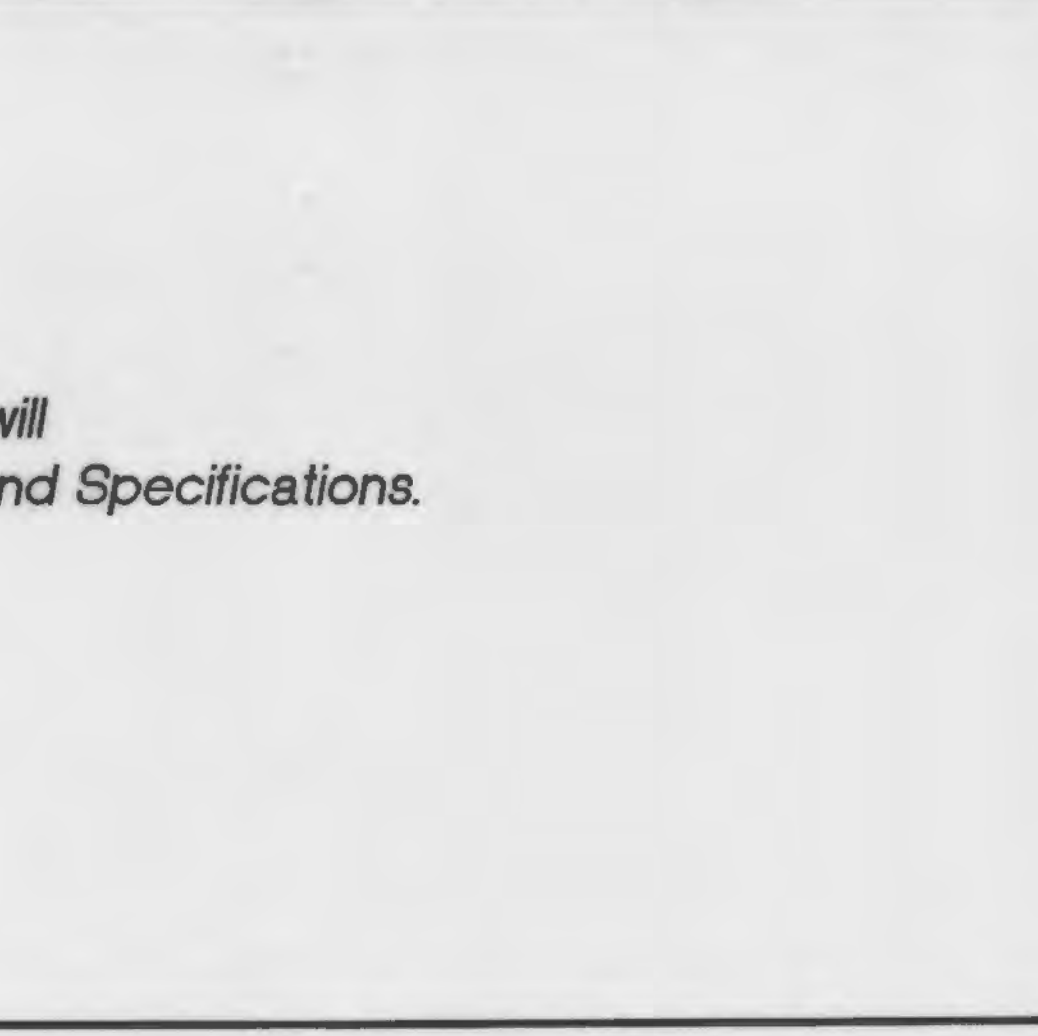
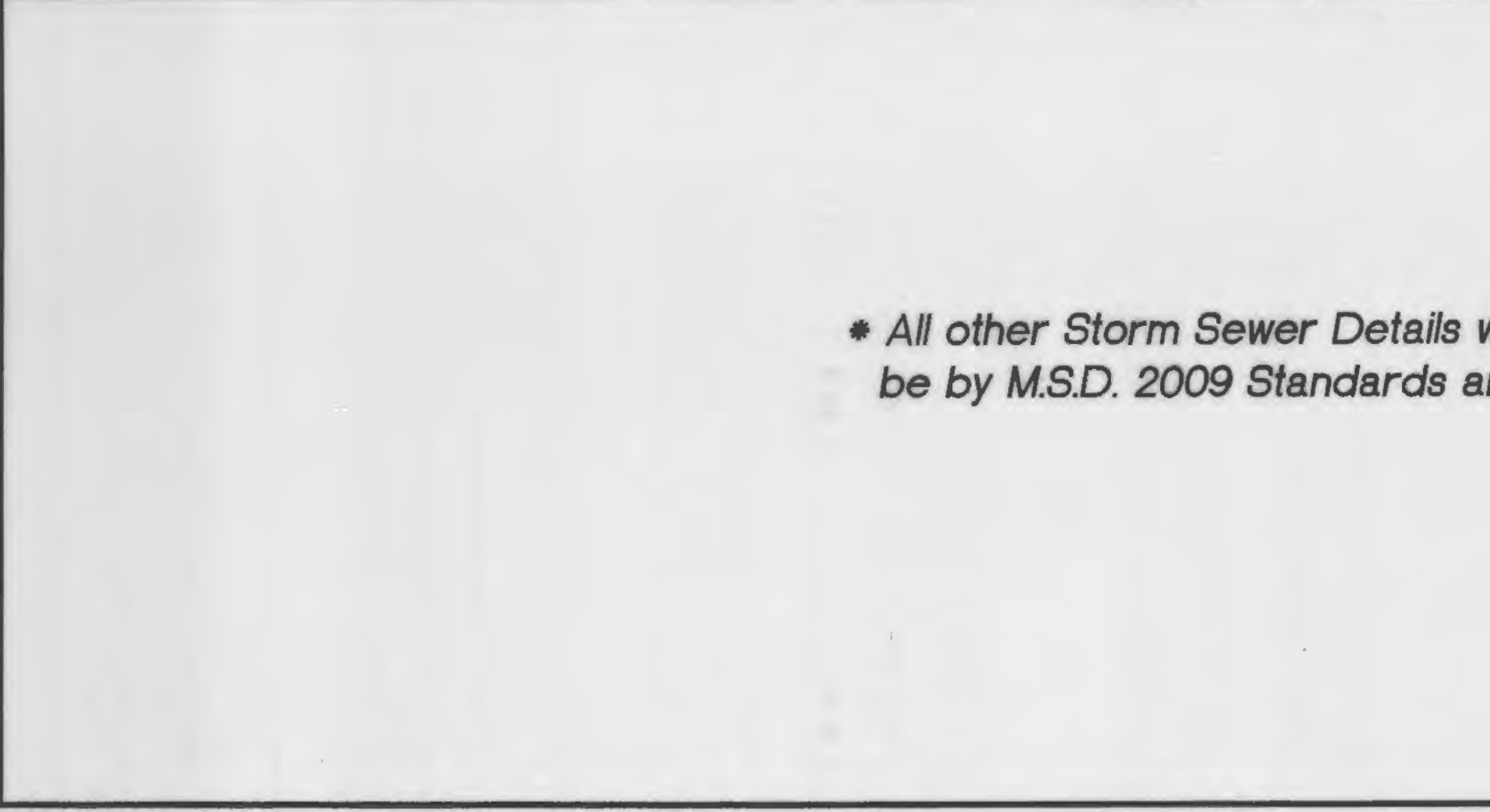
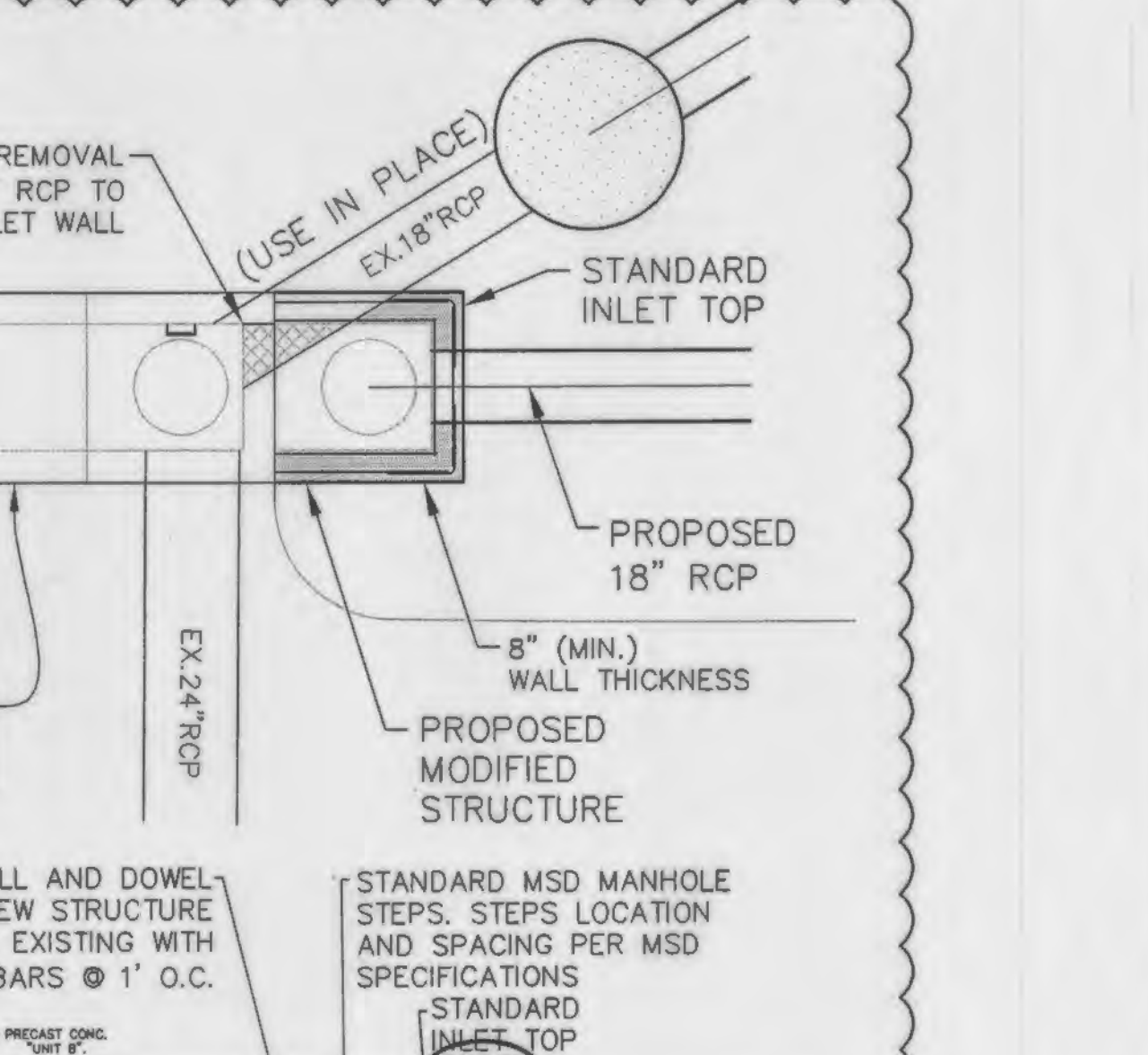
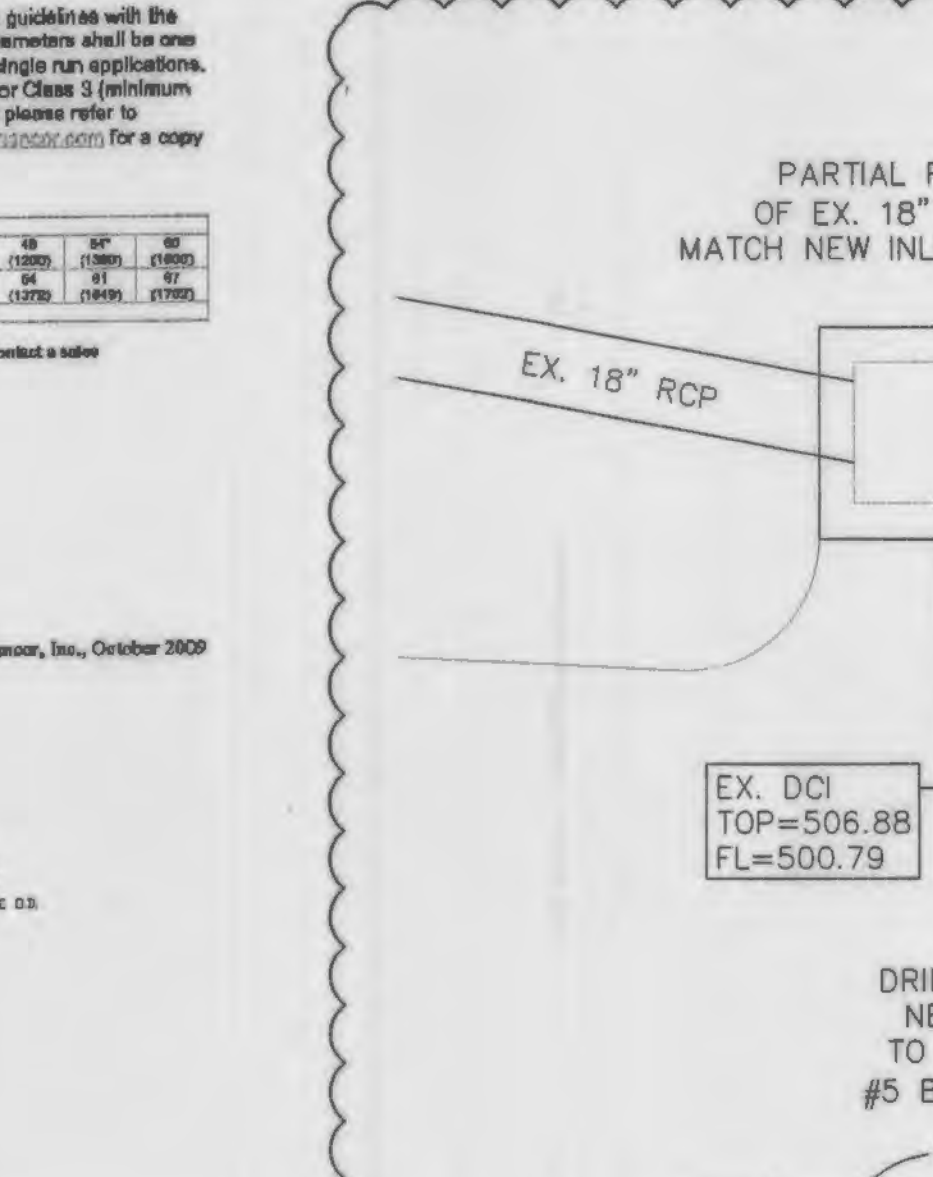


SEWER CONSTRUCTION DETAILS

STREET INLET SUMPS

SEWER CONSTRUCTION DETAILS

STREET INLET SUMPS

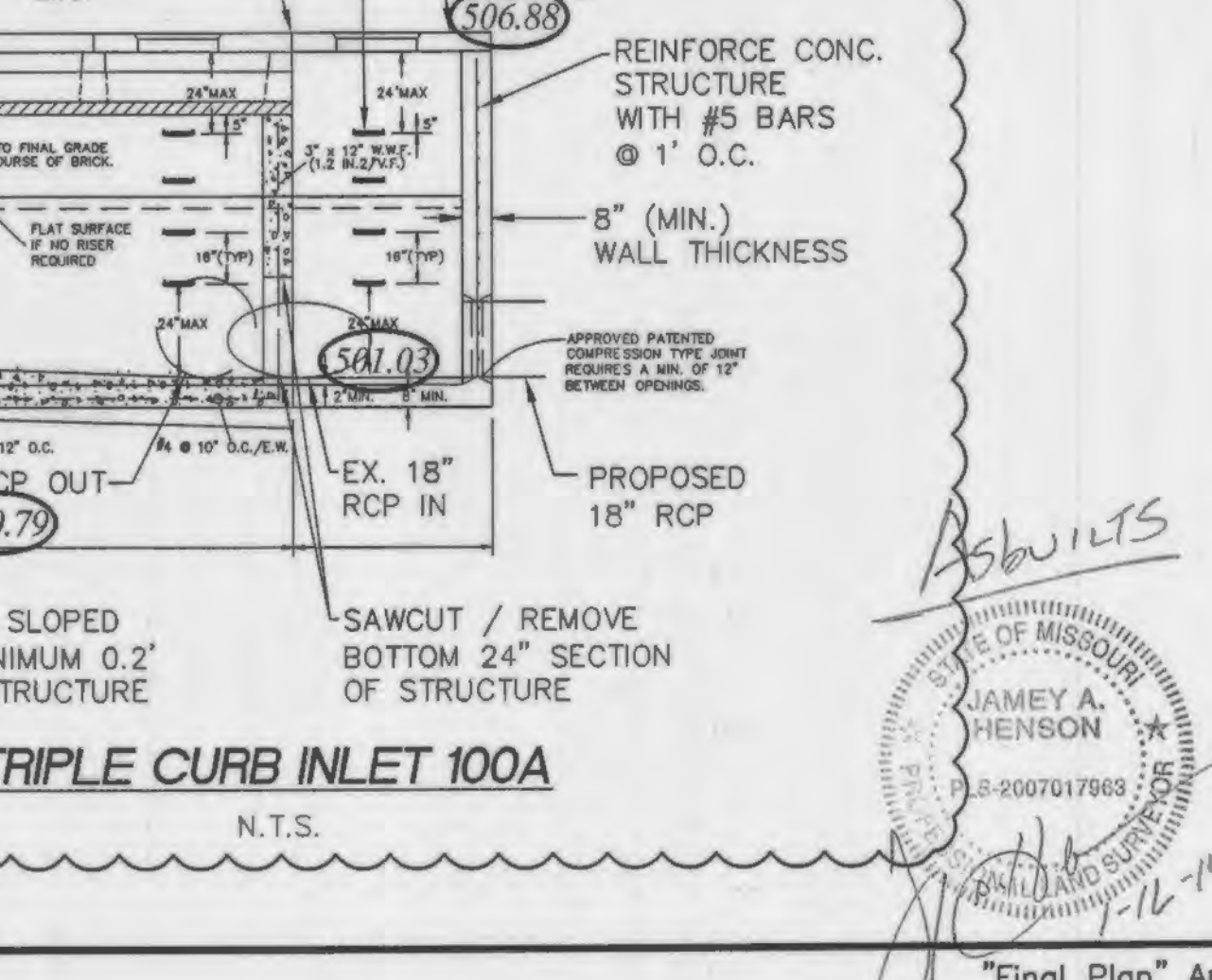
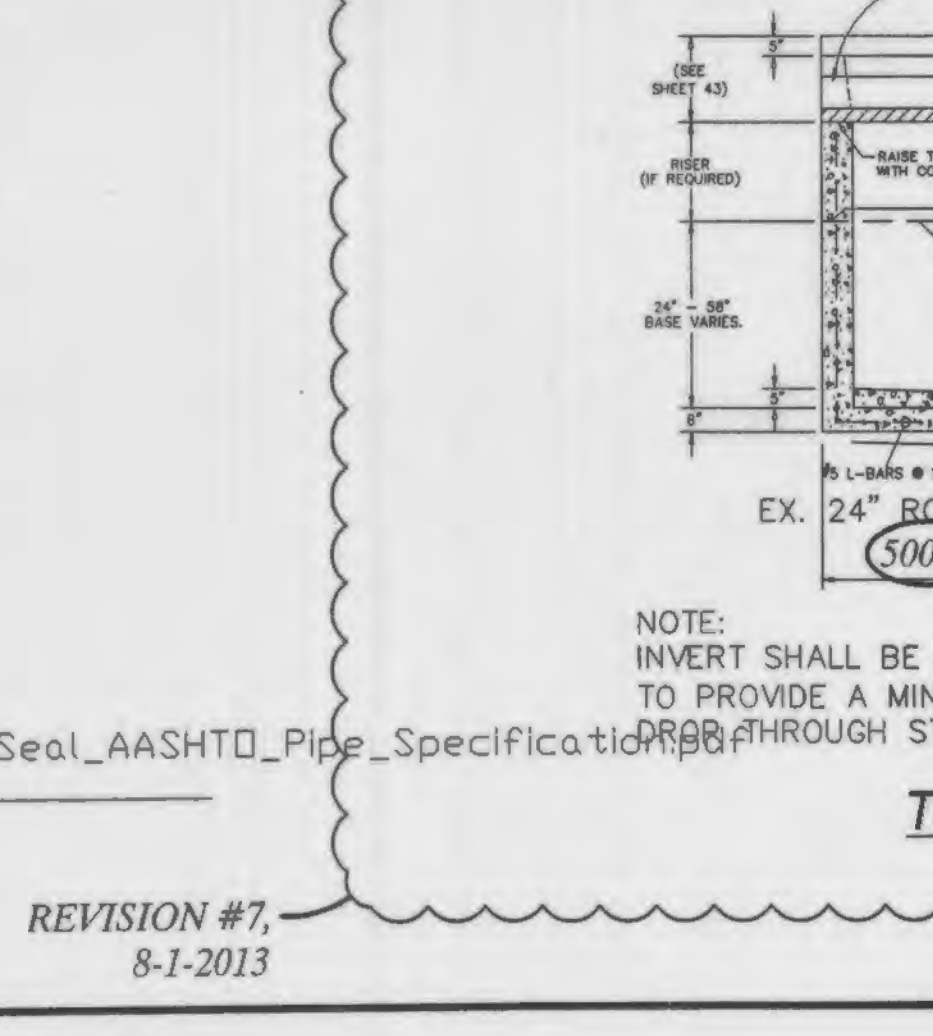


SEWER CONSTRUCTION DETAILS

STREET INLET SUMPS

SEWER CONSTRUCTION DETAILS

STREET INLET SUMPS



*** All other Storm Sewer Details will be by M.S.D. 2009 Standards and Specifications.**

SEWER CONSTRUCTION DETAILS

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SEWER CONSTRUCTION DETAILS

STREET INLET SUMPS

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-survey.com
 Corporate Certificate of Authority #001348

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

MCBRIDE RED HAWKS, LLC
 16091 SWINGLEY RIDGE ROAD, SUITE 300
 CHESTERFIELD, MISSOURI 63017
 PH. 636-637-2000
 Contact: Jeremy Roth

STORM SEWER DETAILS

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

DTL-9
 IMP

REVISION #7
 8-1-2013

NOTE:
 INVERT SHALL BE SLOPED TO PROVIDE A MINIMUM 0.2% SLOPE THROUGH STRUCTURE

TRIPLE CURB INLET 100A
 N.T.S.

APPROVED:
 JAMEY A. HENSON
 12-16-14

Final Plan Approval Date: November 1, 2012

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

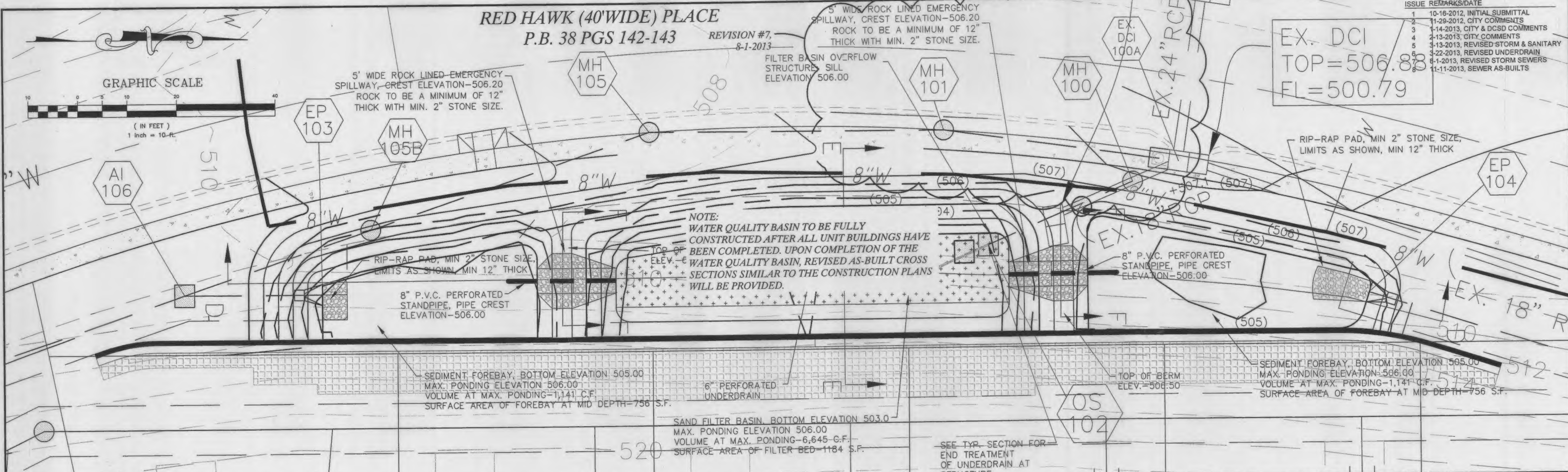
REVISION #7,
 8-1-2013

FILTER BASIN OVERFLOW
 STRUCTURE SILL
 ELEVATION 506.00

5' WIDE ROCK LINED EMERGENCY
 SPILLWAY, CREST ELEVATION-506.20
 ROCK TO BE A MINIMUM OF 12"
 THICK WITH MIN. 2" STONE SIZE.

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	6-1-2013, REVISED STORM SEWERS
8	11-11-2013, SEWER AS-BUILTS

EX. DCI
 TOP = 506.88
 FL = 500.79



PROJECT TITLE

**BOARDWALK
 GARDENS**
 OF FALLON, MISSOURI

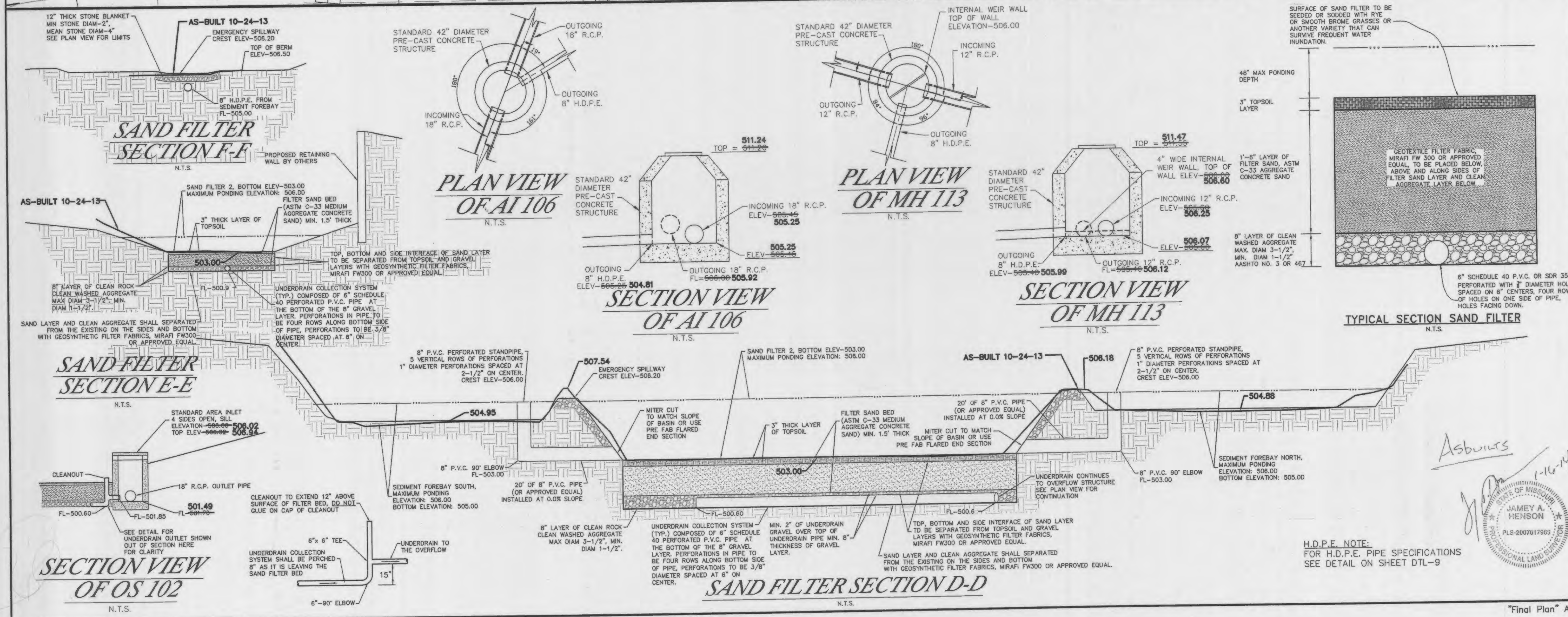
**THE STERLING
 CO.**
ENGINEERS & SURVEYORS
 5055 New Baumgartner Road
 St. Louis, MO 63112
 Ph 314.877.0440 Fax 314.487.8944
 www.sterling-eng-survey.com
 Corporate Certificate of Authority #001348

The Professional Engineer's seal and signature are required on this sheet and shall be in the original and there shall be no alteration. All drawings shall be in accordance with the Missouri Professional Engineer Act and the engineer's professional liability insurance policy and shall not be construed as a warranty or representation of the engineer's professional liability insurance policy.

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

SAND FILTER DETAILS



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

10.1

IMP

"Final Plan" Approval Date: November 1, 2012