

LEGEND

---	500	EXISTING INDEX CONTOUR
---	-501	EXISTING INTERMEDIATE CONTOUR
---	500	PROPOSED INDEX CONTOUR
---	-501	PROPOSED INTERMEDIATE CONTOUR
—	OE	EXISTING OVERHEAD ELECTRIC
---	E	EXISTING UNDERGROUND ELECTRIC
---	W	EXISTING UNDERGROUND WATER
▲	WV	EXISTING WATER VALVE
▲	FH	EXISTING FIRE HYDRANT
---	G	EXISTING UNDERGROUND GAS
▲	GV	EXISTING GAS VALVE
□		EXISTING PHONE/CABLE BOX
---		EXISTING STORM SEWER
---		EXISTING SANITARY SEWER
●	PP	EXISTING UTILITY POLE / GUY WIRE
---		RIGHT OF WAY
---	PL	PROPERTY LINE
○	LS	EXISTING SIGN
○	LS	EXISTING LIGHT STANDARD
○		EXISTING TREE
●		TEST HOLE
---	E	PROPOSED UNDERGROUND ELECTRIC
---	W	PROPOSED UNDERGROUND WATER
---	G	PROPOSED UNDERGROUND GAS
---	SD	PROPOSED STORM SEWER
---	SS	PROPOSED SANITARY SEWER
○		STORM SEWER MANHOLE
○		STORM SEWER GRATE INLET
○		SANITARY SEWER MANHOLE
X	X	PROPOSED FENCE
---	SF	PROPOSED SILT FENCE
---		PROPOSED SIGN
---		CONCRETE PAVEMENT
---		ASPHALT PAVEMENT
---		PROPOSED ADA PATH
---		PROPOSED ADA PATH

ABBREVIATIONS

AI = AREA INLET	ME = MATCH EXISTING
ASPH = ASPHALT	MEAS = MEASURED
ATG = ADJUST TO GRADE	MH = MANHOLE
BLDG = BUILDING	N/F = NOW OR FORMERLY
BW = GROUND ELEVATION AT BOTTOM WALL	NTS = NOT TO SCALE
C&G = CURB AND GUTTER	OE = OVERHEAD ELECTRIC
CI = CURB INLET	OC = ON CENTER
CMU = CONCRETE MASONRY UNIT	PB = PLAT BOOK
CO = CLEANOUT	PG = PAGE
CONC = CONCRETE	POL = PETROLEUM, OIL, & LUBRICANTS
DB = DEED BOOK	PR = PROPOSED
DGI = DOUBLE GRATE INLET	PVC = POLYVINYL CHLORIDE PIPE
DIA = DIAMETER	PVMT = PAVEMENT
DIP = DUCTILE IRON PIPE	R = RIGHT
E = ELECTRIC	RCP = REINFORCED CONCRETE PIPE
ELEV = ELEVATION	REC = RECORD
EOP = EDGE OF PAVEMENT	ROW = RIGHT OF WAY
EP = END OF PIPE	R/W = RIGHT OF WAY
ESMT = EASEMENT	R-R = RAILROAD
EX = EXISTING	RW = RETAINING WALL
EXIST = EXISTING	SP = STANDPIPE
FC = FACE OF CURB	SQ = SQUARE
FD = FLOOR DRAIN	TBA = TO BE ABANDONED
FIN = FINISH	TBR = TO BE REMOVED
FLR = FLOOR	TC = TOP OF CURB
FL = FLOW LINE	TW = GROUND ELEVATION AT TOP OF WALL
FND = FOUND	UE = UNDERGROUND ELECTRIC
FOL = FIBER OPTIC LINE	UGT = UNDERGROUND TELEPHONE
FT = FEET	VCP = VITRIFIED CLAY PIPE
G = GAS	UIP = USE IN PLACE
GI = GRATE INLET	W = WIDE
GUT = GUTTER	WTR = WATER LINE
L = LEFT	WW = WINDOW WELL
LA = LANDSCAPED AREA	

VERTICAL CONTROL (NAVD88 DATUM)

REFERENCE BENCHMARK:

ST. CHARLES COUNTY BENCHMARK SC-06 - NAVD88 ELEVATION = 529.13

STANDARD DNR GRS ALUMINUM DISK STAMPED "SC-06 1990" SET IN A 12 INCH DIAMETER CONCRETE MONUMENT 30 INCHES LONG FLUSH WITH THE GROUND; LOCATED ON THE EAST SHOULDER OF THE NORTH BOUND LANE OF MISSOURI HIGHWAY 79, 0.5 MILE NORTH OF INTERSTATE 70, 290 FEET NORTH OF THE NORTH END OF THE RAILROAD OVERPASS, 2.1 FEET SOUTH OF A CARSONITE WITNESS POST.

SITE BENCHMARK:

TBM "A" ELEVATION = 496.90

CUT " " ON THE WEST SIDE OF CONCRETE BASE OF A LIGHT POLE AT THE NORTHWEST CORNER OF THE NORTH PARKING LOT OF ADDRESS #600 CANNONBALL LANE.

TBM "B" ELEVATION = 499.39

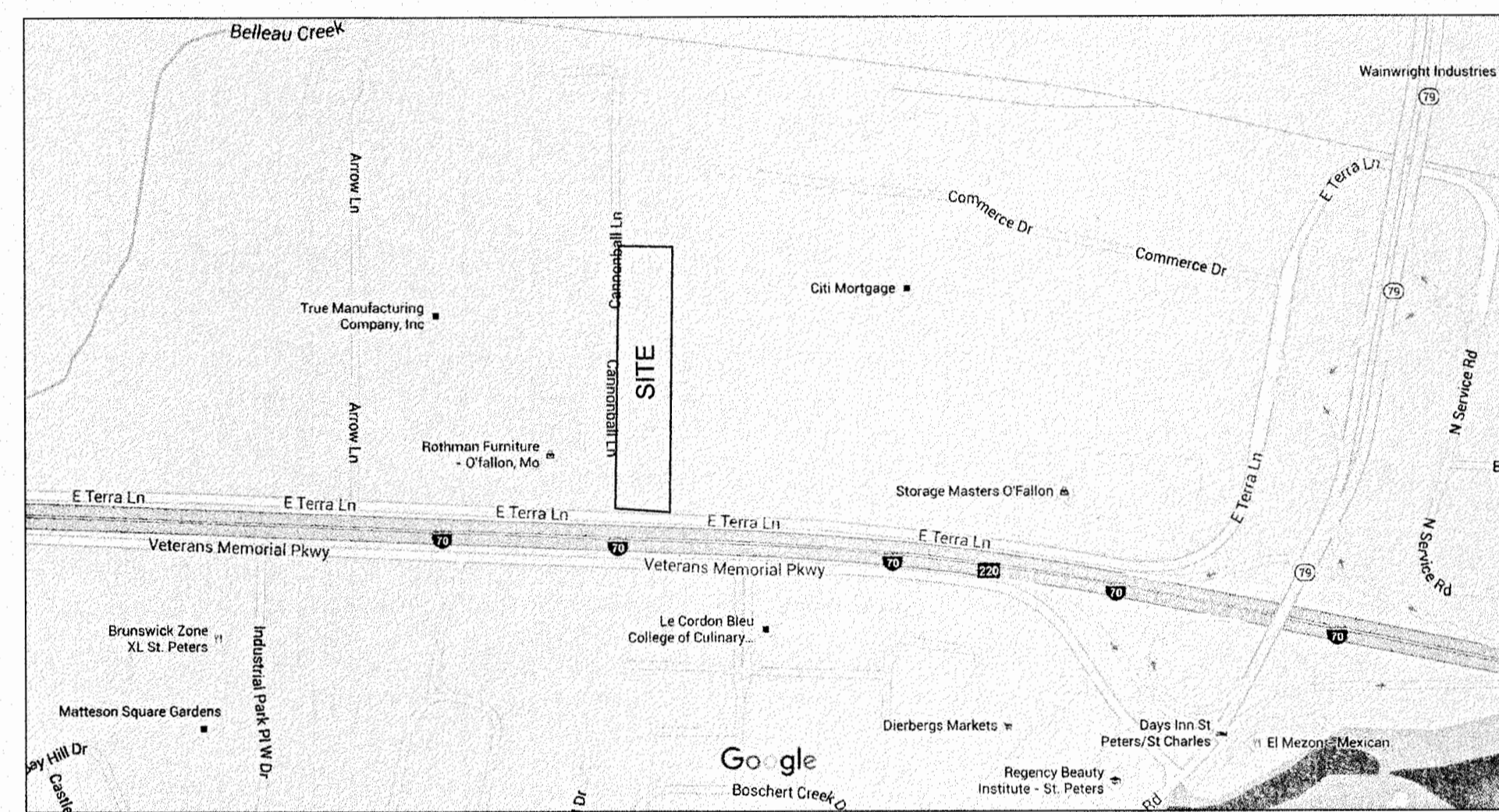
CUT "L" ON THE SOUTHEAST CORNER OF A CONCRETE PAD FOR CHILLER PIPES; 50 FEET SOUTH OF THE NORTHEAST CORNER OF THE BUILDING AT ADDRESS #600 CANNONBALL LANE.

A SET OF CONSTRUCTION PLANS FOR O'FALLON CASTING

LEGAL DESCRIPTION

A TRACT OF LAND BEING PART OF THE NORTHEAST QUARTER OF FRACTIONAL SECTION 27 IN TOWNSHIP 47 NORTH, RANGE 3 EAST, CITY OF O'FALLON, ST. CHARLES COUNTY, MISSOURI

"AS-BUILT"



Locator Map N.T.S.

GENERAL NOTES:

- THE UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, OR LOCATION OF THESE OR OTHER UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY CONSTRUCTION OF IMPROVEMENTS.
- THIS SITE IS ENTIRELY OUTSIDE THE 100 YEAR FLOODPLAIN BASED ON FIRM MAP 29183C0241 E, DATED AUGUST 2, 1996.
- THERE ARE NO WETLANDS ON THIS SITE ACCORDING TO US FISH AND WILDLIFE SERVICE NATIONAL WETLANDS INVENTORY.
- ALL HVAC AND MECHANICAL UNITS ON SITE SHALL BE PROPERLY SCREENED AS REQUIRED BY CITY CODE.
- ALL SIGNAGE SHALL BE APPROVED THROUGH PLANNING AND DEVELOPMENT VIA A SEPARATE PERMITTING PROCESS.
- PARKING WILL UTILIZE EXISTING PARKING LOT AND STRIPING. NO NEW PARKING SPACES ARE PROPOSED.
- THIS PROJECT WILL COMPLY WITH ARTICLE XIII OF THE ZONING CODE, PERFORMANCE STANDARDS.

CONDITIONS OF PLANNING & ZONING COMMISSION APPROVAL:

STAFF RECOMMENDATIONS:

- THE APPLICANT SHALL EITHER CONSTRUCT OR PROVIDE A CONTRIBUTION FOR THE COST TO INSTALL A 10' WIDE MULTI USE TRAIL ALONG EAST TERRA LN.
 - PROVIDE APPROVAL FROM MODOT FOR THE PROPOSED IN / RIGHT OUT ONTO EAST TERRA LN.
 - THE APPLICANT SHALL ABIDE BY THE MUNICIPAL CODE REQUIREMENTS LISTED.
- MUNICIPAL CODE REQUIREMENTS:**
- ALL SIGNAGE SHALL BE REVIEWED AND APPROVED UNDER A SEPARATE PERMIT PROCESS.
 - ACCESSIBLE RAMPS SHALL BE PROVIDED ALONG THE MULTI-PURPOSE TRAIL.
 - IF THE MECHANICAL UNITS, TRASH DUMPSTERS, ETC. ARE VISIBLE FROM THE ROADWAY TRAVELING WEST BOUND ON EAST TERRA LN., THE SIGHT PROOF FENCE SHALL BE EXTENDED ALONG THE EAST PROPERTY LINE FOR PROPER SCREENING. SLATS WILL NOT BE PERMITTED IN THE CHAIN LINK FENCE.

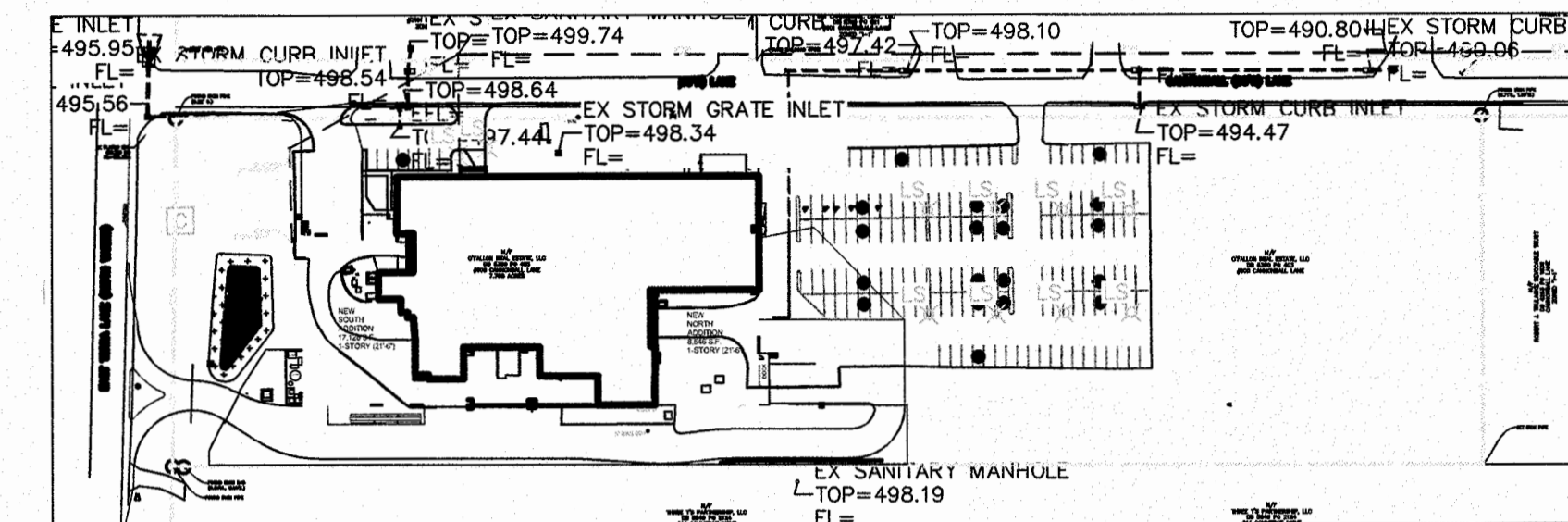
City approval of any construction site plan does not mean that any building can be constructed on the lots without meeting the building setbacks as required by the zoning codes.

All installations and construction shall conform to the approved engineering drawings. However, if the developer chooses to make minor modifications in design and/or specifications during construction, they shall make such changes at their own risk, without any assurance that the City Engineer will approve the completed installation or construction. It shall be the responsibility of the developer to notify the City Engineer of any changes from the approved drawings. The developer may be required to correct the installed improvements so as to conform to the approved engineering drawings. The developer may request a letter from the Construction Inspection Division regarding any field changes approved by the City Inspector.

CITY OF O'FALLON
COMMUNITY DEVELOPMENT DEPARTMENT
ACCEPTED FOR CONSTRUCTION
BY: *Jamie Shuck* DATE: **02/06/2019**
PROFESSIONAL ENGINEER'S SEAL
INDICATES RESPONSIBILITY FOR DESIGN

kpff
architecture
1630 Des Peres Road, Suite 100
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Plan View N.T.S.

DRAWING INDEX

C1.01 - C1.02	GENERAL NOTES & INFORMATION
C2.01 - C2.02	EXISTING CONDITIONS & DEMOLITION PLAN
C3.01 - C3.02	SITE AND UTILITY PLAN
C4.01 - C4.02	GRADING & EROSION CONTROL PLAN
C5.01 - C5.03	ENLARGEMENT PLANS & SEWER PROFILES
C6.01	SEWER PROFILES
C6.02	BASIN CROSS SECTIONS
C7.01 - C7.04	DRAINAGE AREA MAPS
C8.01 - C8.04	CONSTRUCTION DETAILS

PROJECT INFORMATION

SITE ADDRESS 600 CANNONBALL LANE
PARCEL ID #2-0056-S027-00-001.1000000
AREA OF SITE 7.77ac
OWNER OF RECORD O'FALLON REAL ESTATE LLC
ZONING I-2 HEAVY INDUSTRIAL
BUILDING USE FOUNDRY

UTILITY PROVIDERS

CITY OF O'FALLON WATER
CITY OF O'FALLON SANITARY SEWER
LACLEDE GAS
CENTURYLINK
AMEREN UE

SITE COVERAGES	AREA	PERCENTAGE
BUILDING	69,750sf	20.6%
PAVEMENT	104,385sf	30.8%
GREENSPACE	164,326sf	48.6%

Utility Contacts

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

Water

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

Storm Sewer

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

Electric

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

Gas

Laclede Gas Company
6400 Graham Road
St. Louis, MO. 63134
314-822-2297

Telephone

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

Fire District

O'Fallon Fire Protection District
119 E. Elm St.
O'Fallon, MO. 63366
636-272-3493

City of O'Fallon Construction work hours per City Ordinance 3429 as shown in Section 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 land disturbance is 2.52 AC.

Building setback information. Front - 30'

Side - 25'

Rear - 50'

The estimated sanitary flow in gallons per day is _____

PARKING CALCULATIONS

REQUIREMENTS FOR MANUFACTURING FACILITY
ONE (1) SPACE PER EMPLOYEE (MAX SHIFT), PLUS ONE
(1) SPACE PER 1,000 SQ FT OF FLOOR AREA

NUMBER OF EMPLOYEES (MAX SHIFT)	80
GROSS FLOOR AREA	69,750sf
REQUIRED PARKING	(80 EMP) + (69,750 sf / 1000 sf) = 150 spaces
TOTAL PARKING PROVIDED	157 spaces

PLANNING AND DEVELOPMENT DIVISION FILE NUMBER: 11-11.02
DATE APPROVED: JANUARY 7, 2016

O'FALLON CASTING
NON-RESIDENT INVESTMENT CONTRACTORS
600 Cannonball Lane, O'Fallon, MO 63366
Telephone: 636-772-9176
Fax Number: 636-772-9288

ADDITION & RENOVATION FOR
O'FALLON CASTING
600 CANNONBALL LANE O'FALLON, MISSOURI 63366
GENERAL NOTES AND INFORMATION

NO.	DATE
3	08/10/2016
4	08/18/2016
5	10/06/2016
6	12/20/2016
7	1/12/2017
8	8/18/2017

ISSUE DATE: JAN 16, 2017
PROJECT NO.: 15-187
DRAWN BY: GAS

CHECKED BY: TBS

SEAL



SHEET

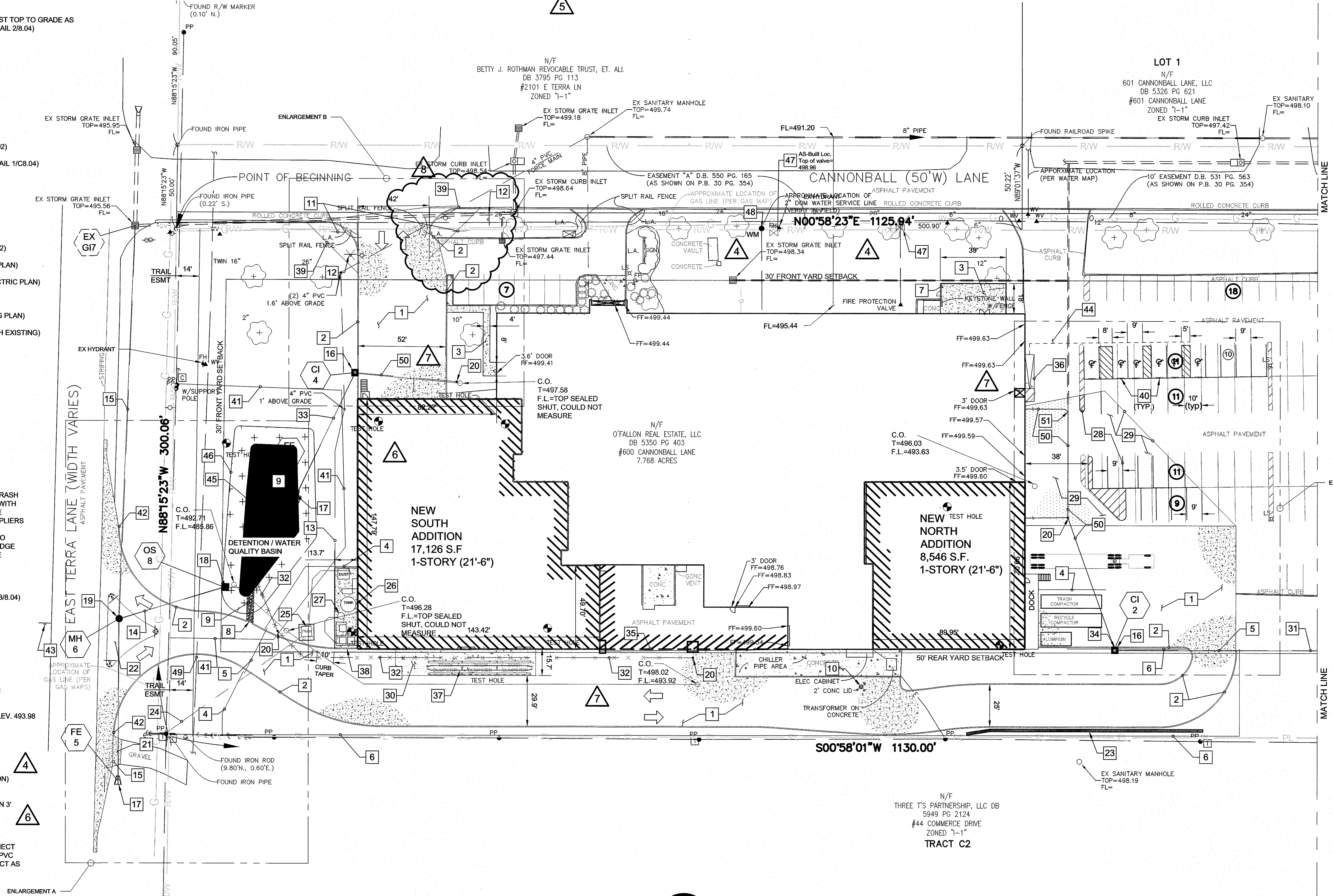
C1.01

KEYED NOTES:

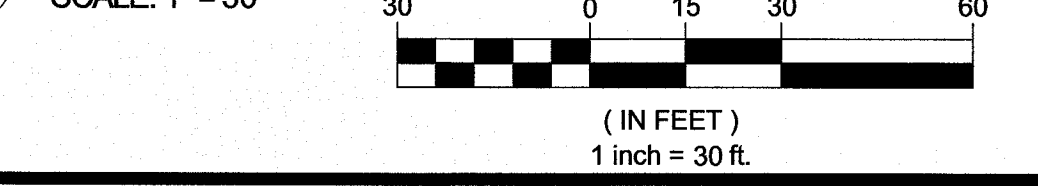
- 1 NEW CONCRETE PAVEMENT (DETAIL 3/8.01)
- 2 NEW 6" VERTICAL CONCRETE CURB (DETAIL 5/8.01)
- 3 NEW CONCRETE SIDEWALK/PATIO (DETAIL 1&2/8.01)
- 4 NEW 6'-6" TALL SIGHT PROOF FENCE
- 5 NEW MOTORIZED SLIDING GATE
- 6 NEW 6'-6" TALL CHAIN-LINK FENCE (DETAIL 4/8.03)
- 7 NEW 4' TALL SIGHT PROOF FENCE (Installed 4" Black Aluminum)
- 8 NEW 4' WIDE CURB GAP (DETAIL 7/8.02)
- 9 NEW ROCK BLANKET (DETAIL 7/8.02)
- 10 EXISTING WELL TO REMAIN IN USE - ADJUST TOP TO GRADE AS NEEDED. PROTECT WITH BOLLARDS (DETAIL 2/8.04)
- 11 RELOCATED DECORATIVE FENCING
- 12 RELOCATED SIGN (Did Not Install)
- 13 NEW 4" PVC SANITARY FORCE MAIN
- 14 NEW 15" RCP STORM SEWER
- 15 NEW 24" RCP STORM SEWER
- 16 NEW CURB INLET (DETAIL 2/C8.03)
- 17 NEW FLARED END SECTION (DETAIL 2/C8.02)
- 18 NEW OUTLET CONTROL STRUCTURE (DETAIL 1/C8.04)
- 19 NEW MANHOLE
- 20 NEW CLEAN OUT (DETAIL 8/8.02)
- 21 NEW GRAVEL PAVEMENT
- 22 NEW RAISED ISLAND (DETAIL 5/8.03)
- 23 NEW MODULAR BLOCK WALL (DETAIL 9/8.02)
- 24 NEW ELECTRIC CONDUIT (SEE ELECTRIC PLAN)
- 25 NEW ELECTRIC TRANSFORMER (SEE ELECTRIC PLAN)
- 26 RELOCATED TANK (SEE PLUMBING PLAN)
- 27 RELOCATED PUMP HOUSE (SEE PLUMBING PLAN)
- 28 NEW PAVEMENT STRIPING 4" WIDE (MATCH EXISTING)
- 29 NEW ASPHALT PAVEMENT (DETAIL 4/8.01)
- 30 NEW DUMPSTER APRON (DETAIL 3/8.01)
- 31 NEW 15" HDPE STORM SEWER
- 32 NEW 8" PVC STORM SEWER
- 33 NEW 12" HDPE STORM SEWER
- 34 PROVIDE FLEX STORM INLET FILTER (DETAIL 6/8.03)
- 35 NEW CANOPY EDGE
- 36 NEW ACCESSIBLE RAMP (SEE ARCH)
- 37 EMBEDDED RAIL SYSTEM WITH 14" x 3/8" TRASH CONTAINER RUNNER PLATES SET FLUSH WITH CONC. - CONTRACTOR MUST COORDINATE INSTALLATION OF RAIL SYSTEM WITH SUPPLIERS
- 38 TAPER TOP OF VERTICAL CURB FROM 6" TO FLUSH WITH EQUIPMENT PAD AT SOUTH EDGE OF PAD - REMAIN FLUSH WITH PAD TO THE BLDG. FACE
- 39 SITE TRIANGLE EASEMENT
- 40 NEW ACCESSIBLE PARKING SIGN (DETAIL 3/8.04)
- 41 DETENTION BASIN DRAINAGE EASEMENT
- 42 TRANSITION TO 0" CURB IN 1'
- 43 "NO LEFT TURN" SIGN (DETAIL 5/C8.03)
- 44 ADA ACCESSIBLE ROUTE (SEE ENLARGEMENT C/C5.03)
- 45 NEW BIOSOIL MEDIA AT BOTTOM OF BASIN (SHADED, DETAIL 3/C8.03)
- 46 100 YEAR STORM LOW FLOW BLOCKED, ELEV. 493.98 (SEE BASIN CROSS SECTIONS/C8.02)
- 47 NEW 6" WATER VALVE ON EXISTING FIRE SERVICE LINE (DETAIL 3/C8.05)
- 48 NEW 2" WATER METER ON EXISTING 2" DOMESTIC SERVICE LINE (VERIFY LOCATION) (DETAIL 4/C8.05)
- 49 LOWER EXISTING WATER LINE TO MAINTAIN 3' OF COVER
- 50 NEW 12" PVC STORM SEWER
- 51 PROVIDE PVC WYE CONNECTION TO CONNECT NEW 12" PVC STORM PIPE TO EXISTING 8" PVC STORM PIPE. THE EXISTING 8" PIPE IS TO ACT AS A BYPASS FOR WHEN 12" PIPE GET FULL.

GENERAL SHEET NOTES:

- 1) THE UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NONEXISTENCE, SIZE, TYPE, OR LOCATION OF THESE OR OTHER UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UTILITIES, SHOWN OR NOT SHOWN, AND SAID UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY CONSTRUCTION OF IMPROVEMENTS.
- 2) PAVEMENT EDGE TREATMENT WILL BE REQUIRED FOR ANY EDGE DROP GREATER THAN 2" WITHIN MODOT R/W (SEE DETAIL 1/C8.05).
- 3) ALL SIGNS SHALL BE CONTRACTOR FURNISHED.
- 4) SANITARY SEWER GRINDER PUMP AND DISCHARGE LINE REMAINS PRIVATELY MAINTAINED AFTER CONSTRUCTION FROM THE CONNECTION TO THE CITY SEWER MAIN BACK TO THE BUILDING.
- 5) WATER LINE WORK SHALL BE CONDUCTED IN A MANNER THAT DOES NOT INTERRUPT SERVICE TO OTHER CUSTOMERS.



1 SITE AND UTILITY PLAN



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 MO Certificate of Authority #2001010829
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architecture
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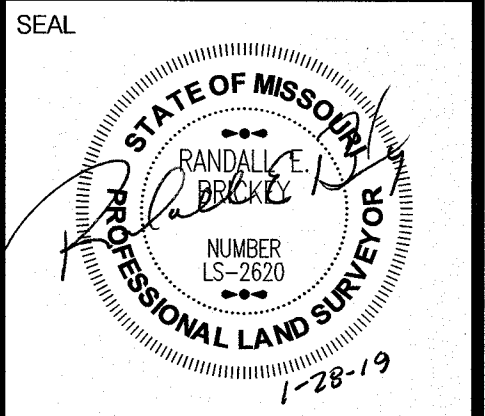
1232 washington ave.
 suite 310
 st. louis, mo 63103
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 f: 314.241.6263
 www.m2astudio.com

FALLON CASTING
 ARCHITECTS
 500 Commercial Lane, O'Fallon, MO 63366
 Phone: 636.272.2500
 Fax: 636.272.2505

ADDITION & RENOVATION FOR
O'FALLON CASTING
 600 CANNONBALL LANE O'FALLON, MISSOURI 63366
 SITE AND UTILITY PLAN

REVISIONS NO.	DATE
3	08/10/2016
4	09/18/2016
5	10/06/2016
6	12/20/2016
7	1/12/2017
8	8/18/2017

ISSUE DATE: JAN 16, 2017
 PROJECT NO.: 15-187
 DRAWN BY: GAS
 CHECKED BY: TBS



SHEET
C3.01

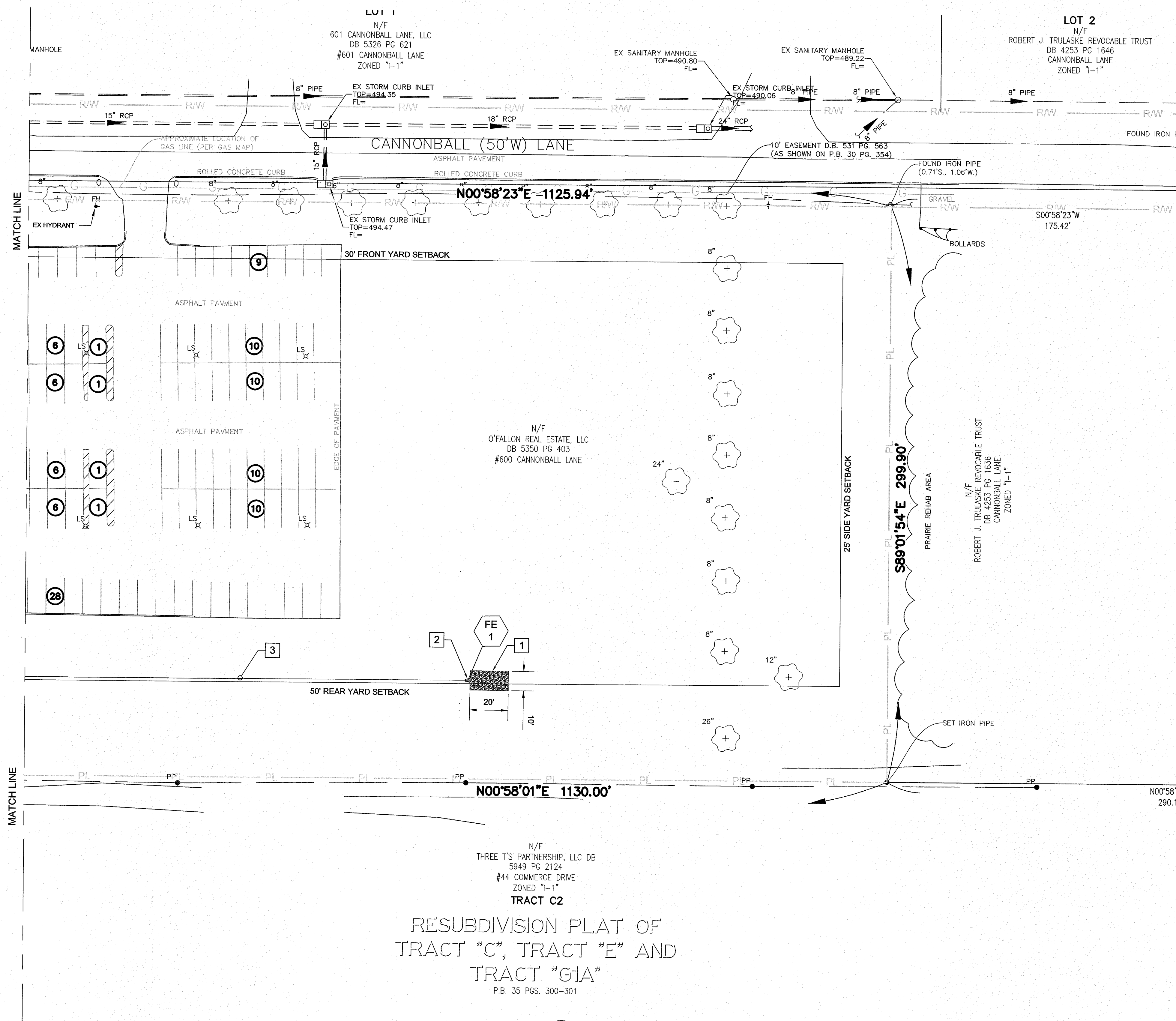
"AS-BUILT"

GENERAL SHEET NOTES:

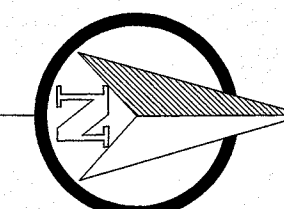
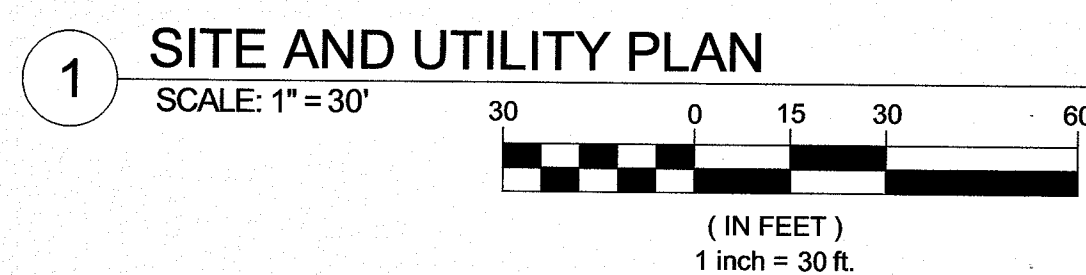
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KEYED NOTES:

- 1 NEW ROCK BLANKET (DETAIL 2/8.02)
- 2 NEW FLARED END SECTION (DETAIL 2/C8.02)
- 3 NEW 15" HDPE STORM SEWER

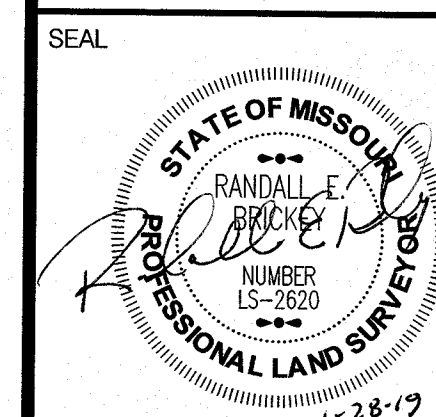


N/F
THREE T'S PARTNERSHIP, LLC DB
5949 PG 2124
#44 COMMERCE DRIVE
ZONED "I-1"
TRACT C2
RESUBDIVISION PLAT OF
TRACT "C", TRACT "E" AND
TRACT "G1A"
P.B. 35 PGS. 300-301



NO.	DATE
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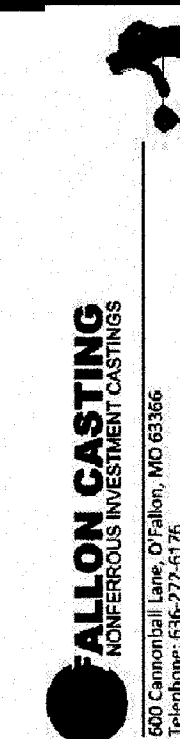
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SHEET

"AS-BUILT"

C3.02

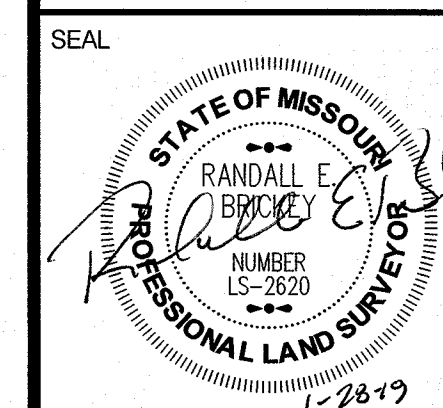


FALLON CASTING
AMERICAN PIPE & MANHOLE CASTING
200 Commercial Lane, O'Fallon, MO 63366
Telephone: 636.272.6736
Fax Number: 636.272.6366

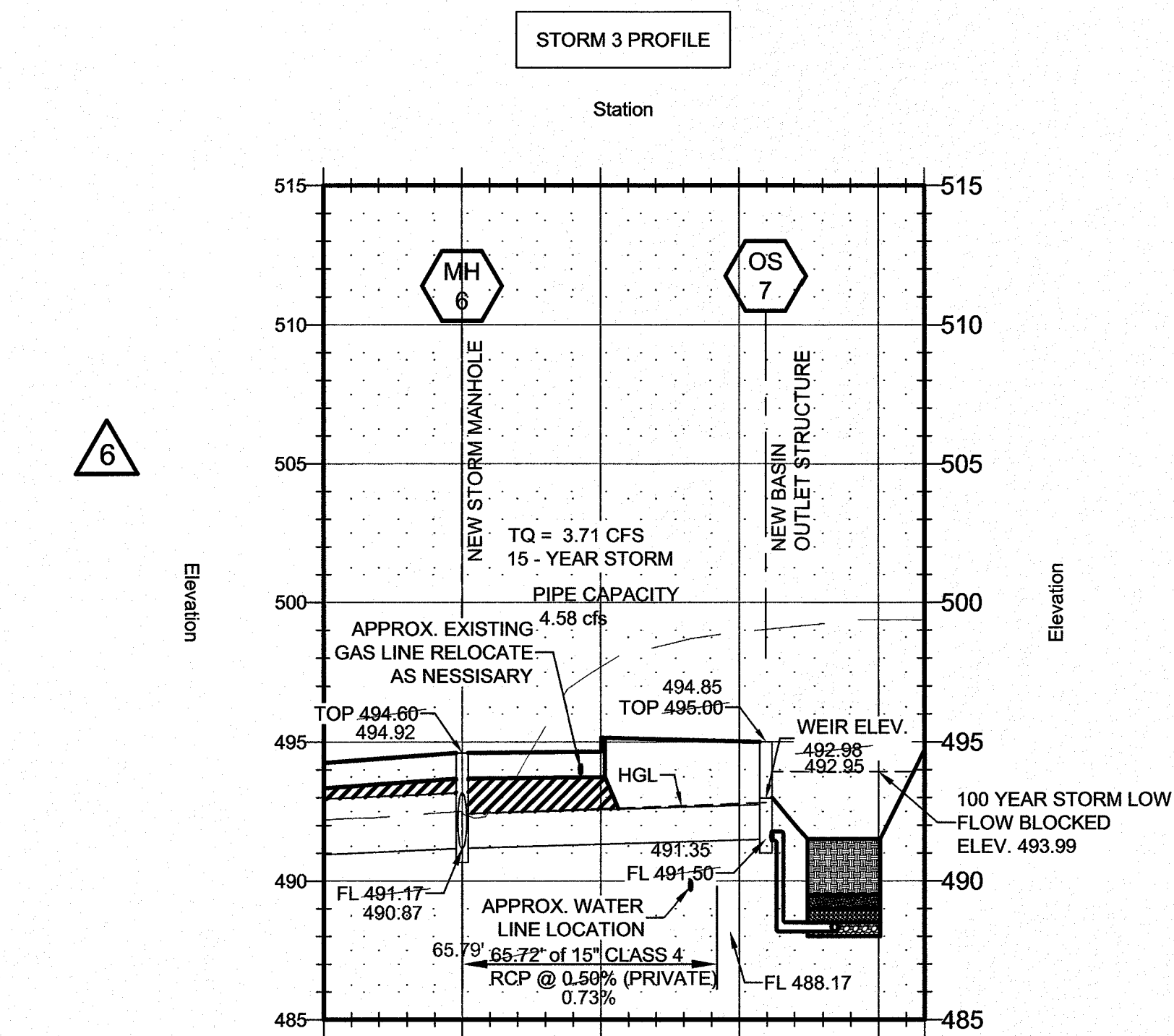
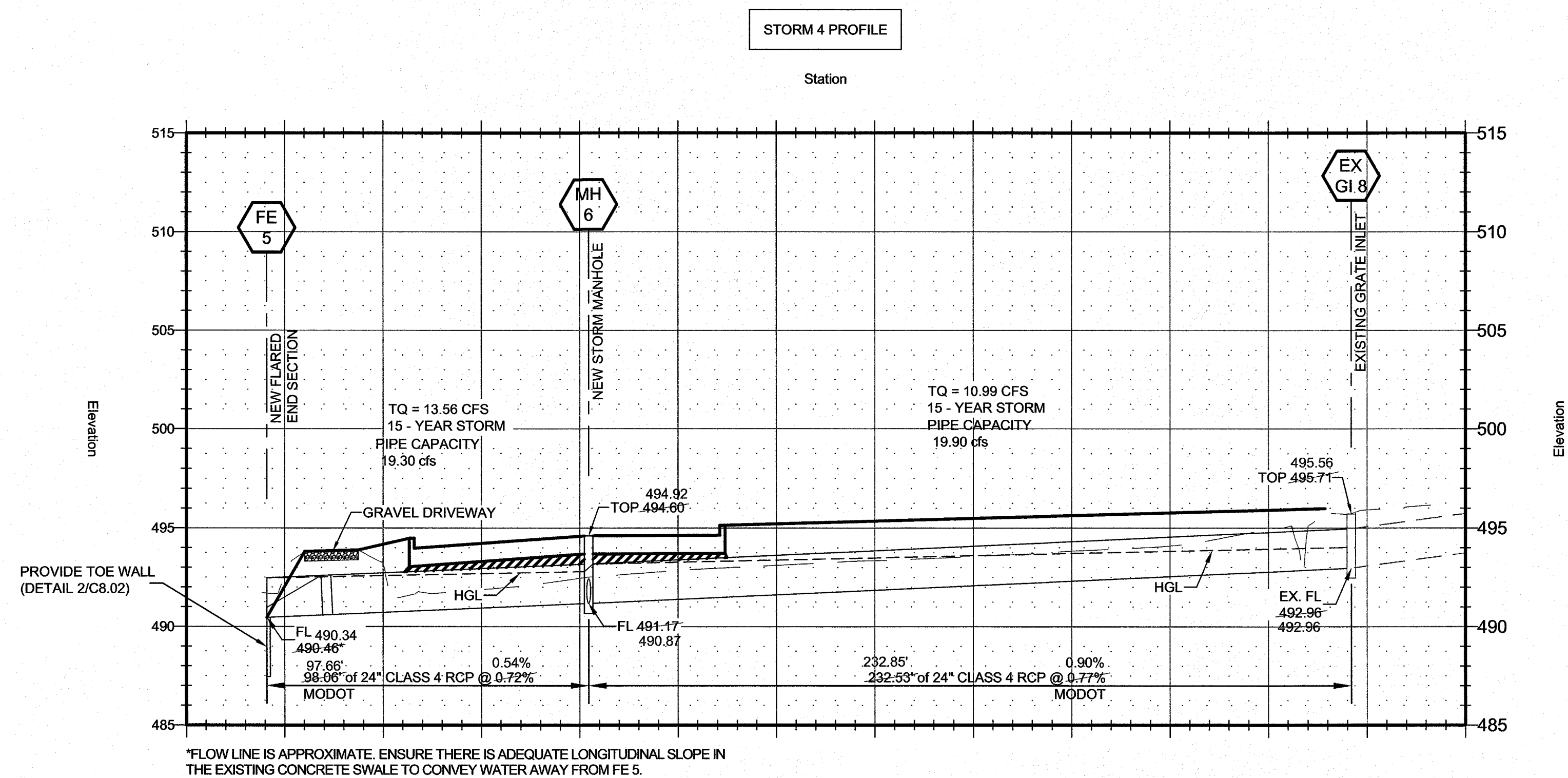
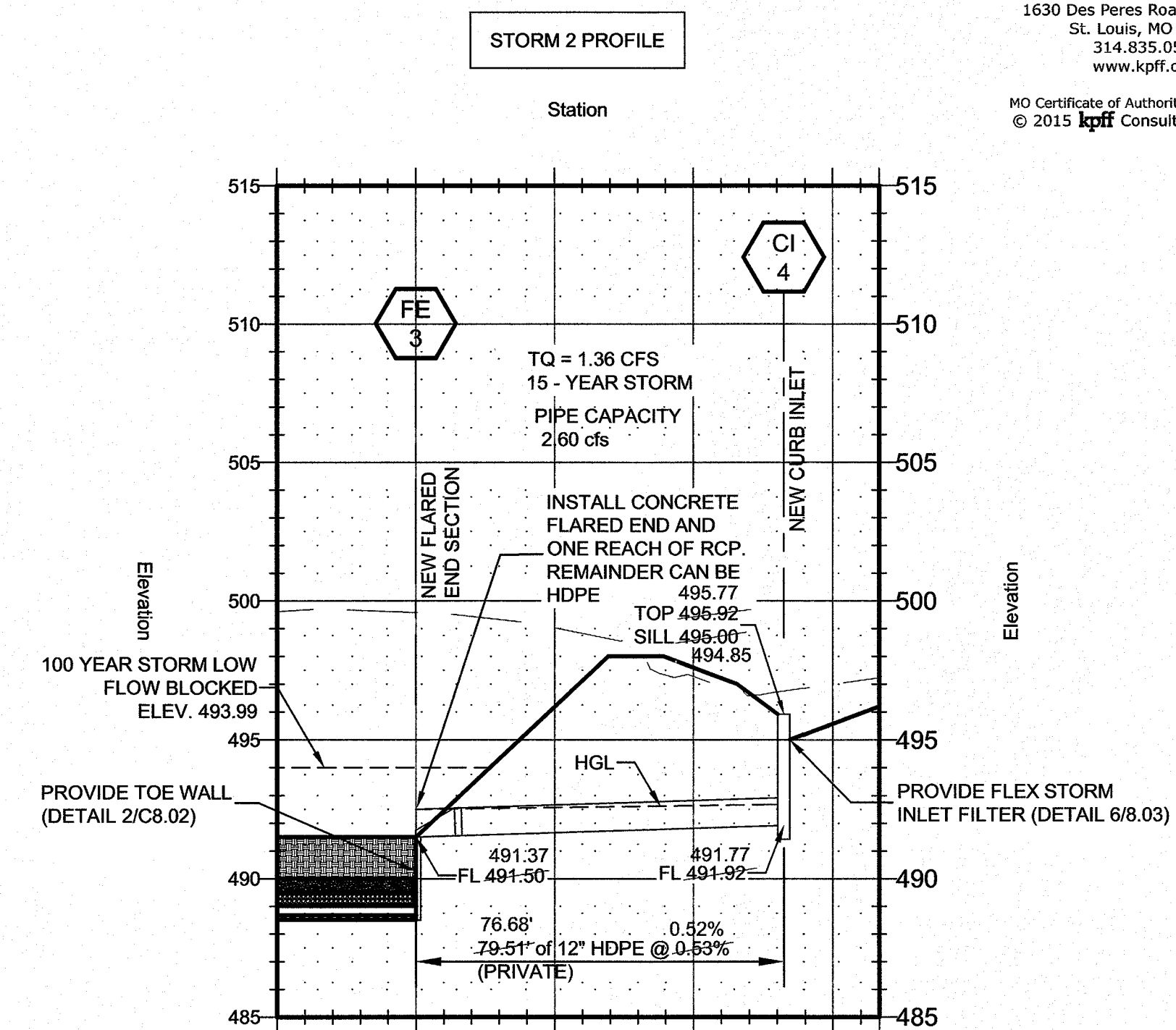
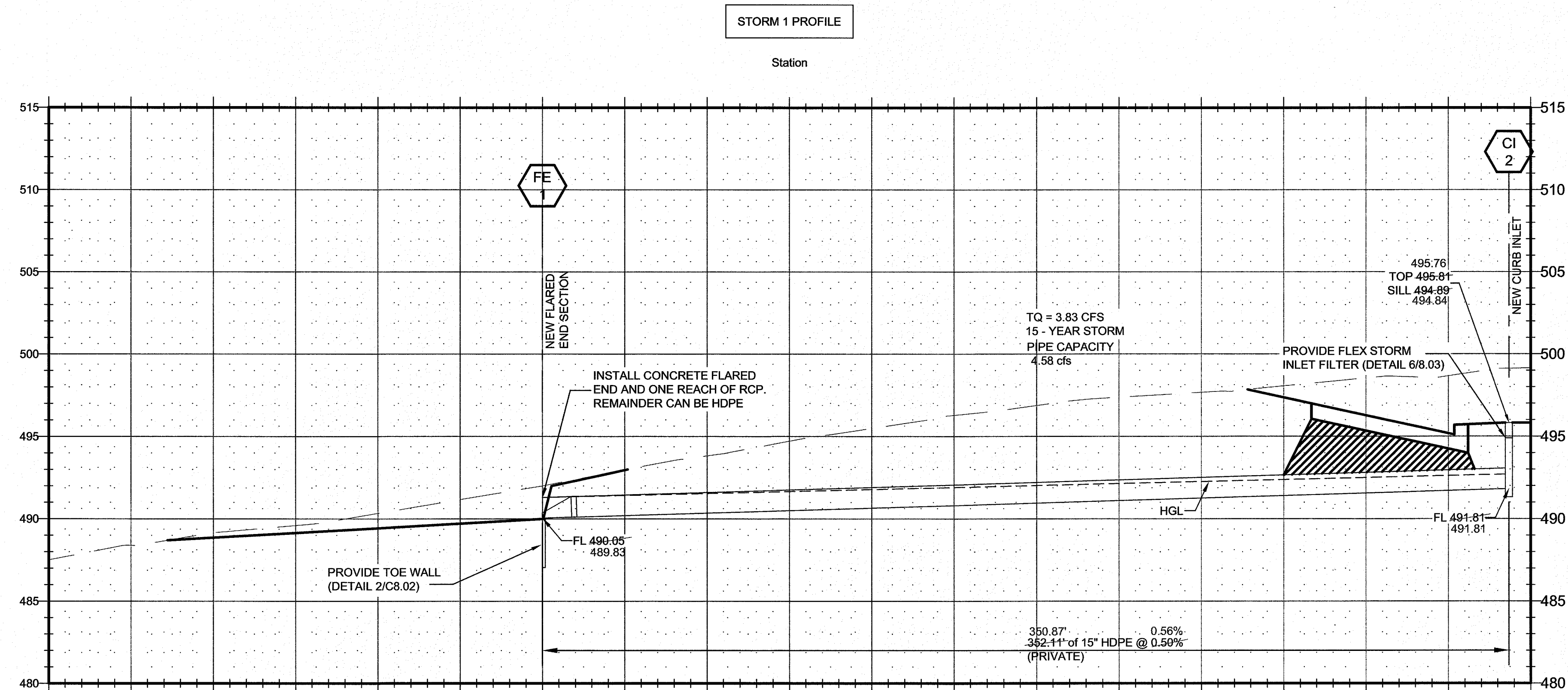
ADDITION & RENOVATION FOR
O'FALLON CASTING
600 CANNONBALL LANE O'FALLON, MISSOURI 63366
SEWER PROFILES

NO.	DATE
3	08/10/2016
4	08/18/2016
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SHEET
C6.01



STORM SEWER PROFILES
SCALE: 1" = 30' HORIZONTAL
1" = 5' VERTICAL

STORM 1 PIPE HYDRAULICS

STORM 3 PIPE HYDRAULICS

STORM 2 PIPE HYDRAULICS

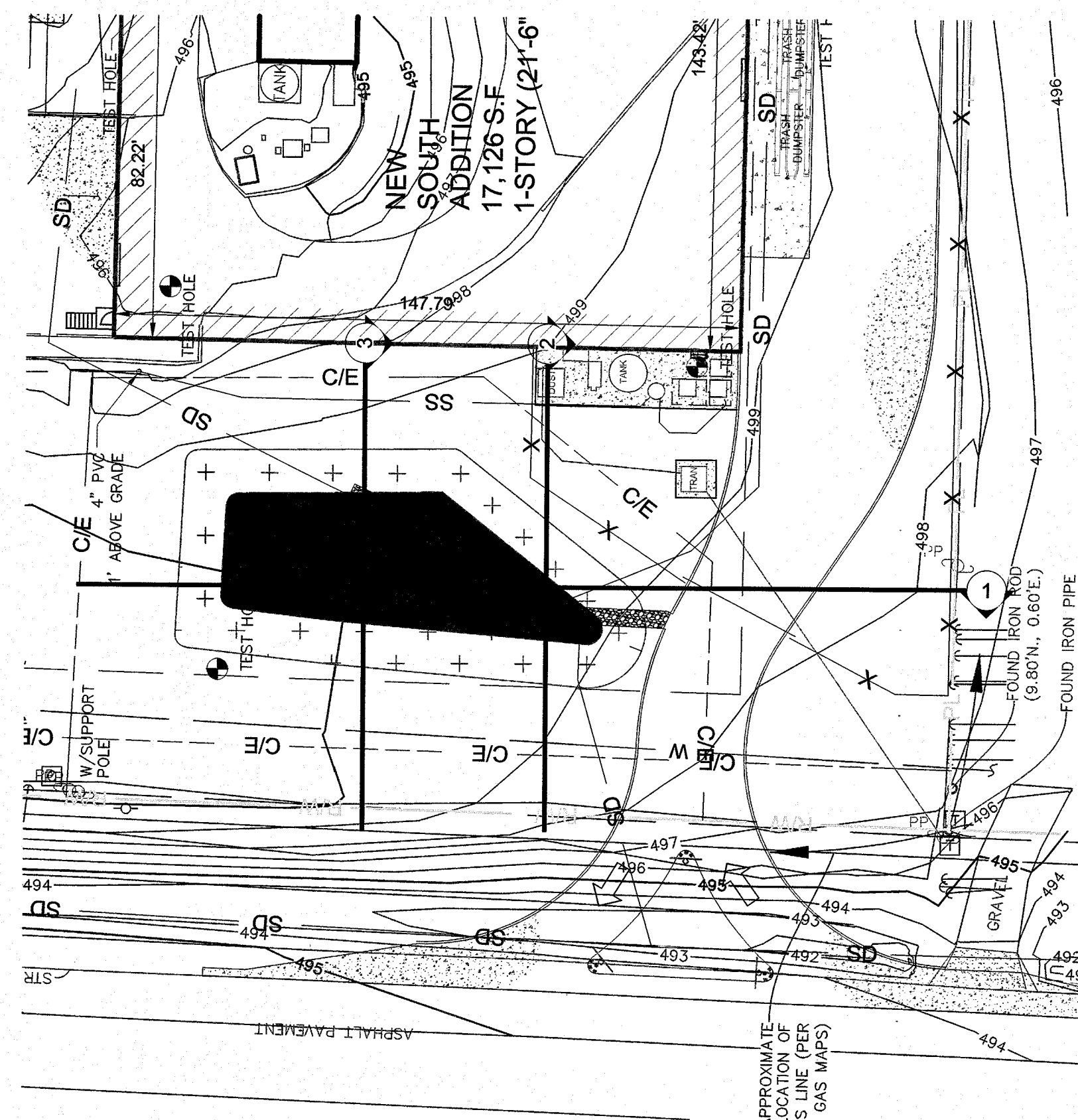
STORM 4 PIPE HYDRAULICS

"AS-BUILT"

LEGEND	
	EXISTING GRADE
	PROPOSED GRADE
	GRANULAR BACKFILL

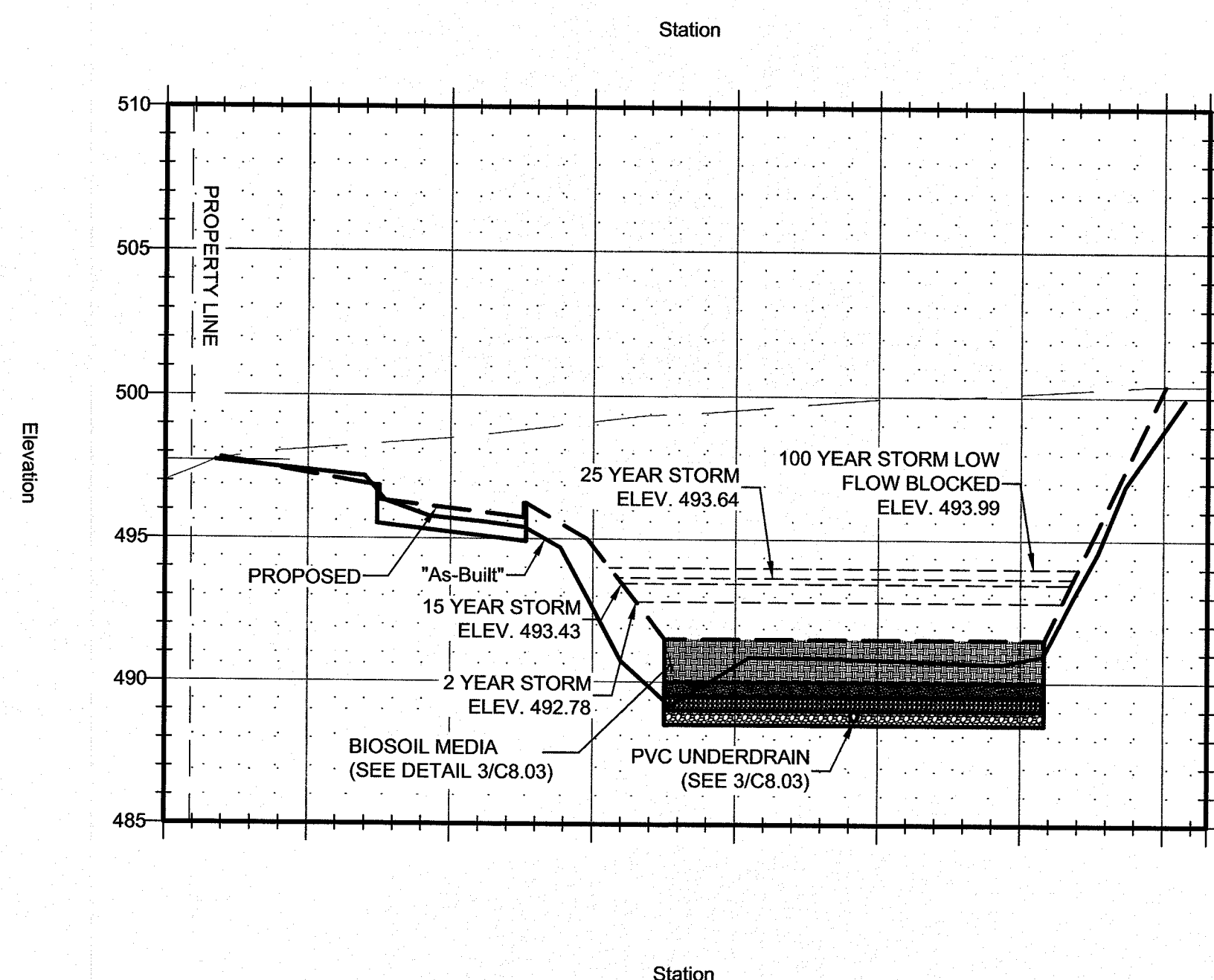
*FLOW LINE IS APPROXIMATE. ENSURE THERE IS ADEQUATE LONGITUDINAL SLOPE IN THE EXISTING CONCRETE SWALE TO CONVEY WATER AWAY FROM FE 5.

ADDITION & RENOVATION FOR
O'FALLON CASTING
600 CANNONBALL LANE OFALLON, MISSOURI 63366
BASIN CROSS SECTIONS

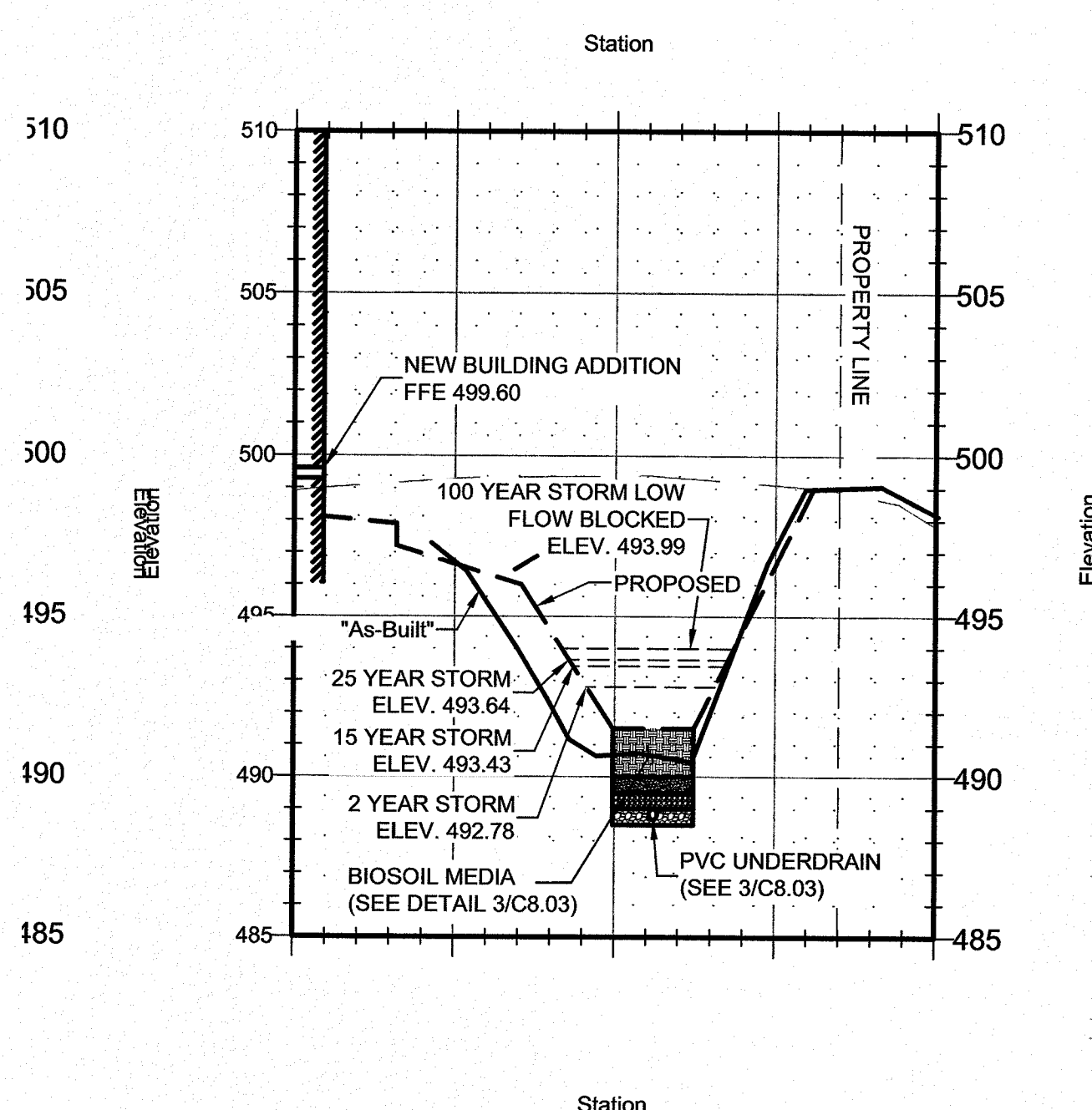


PLAN VIEW
SCALE: 1" = 30' HORIZONTAL

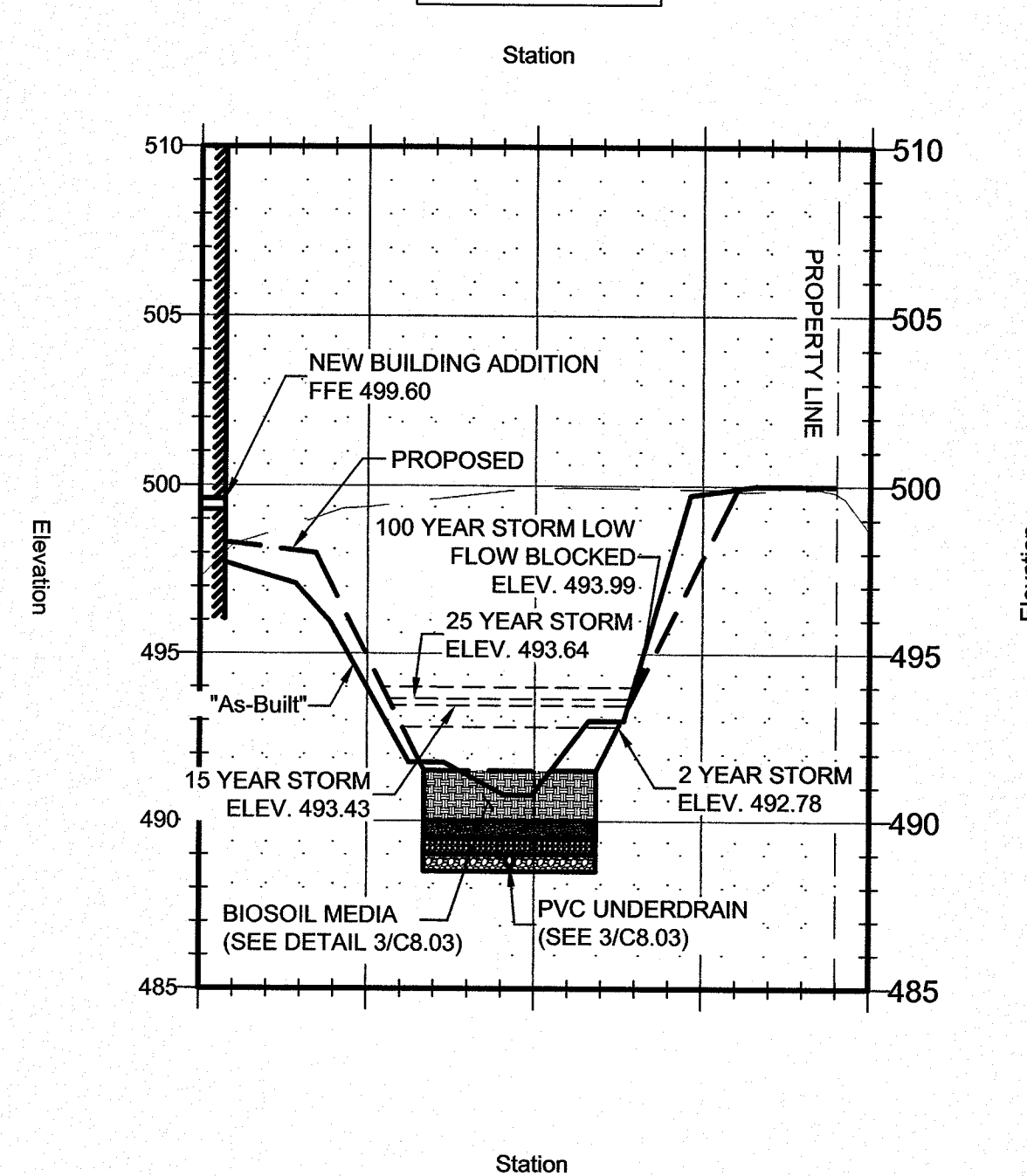
BASIN 1 PROFILE



BASIN 2 PROFILE



BASIN 3 PROFILE



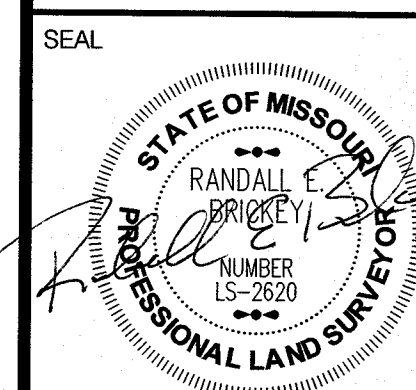
BASIN CROSS SECTIONS
SCALE: 1" = 30' HORIZONTAL
1" = 5' VERTICAL

LEGEND	
	EXISTING GRADE
	PROPOSED GRADE
	GRANULAR BACKFILL

"AS-BUILT"

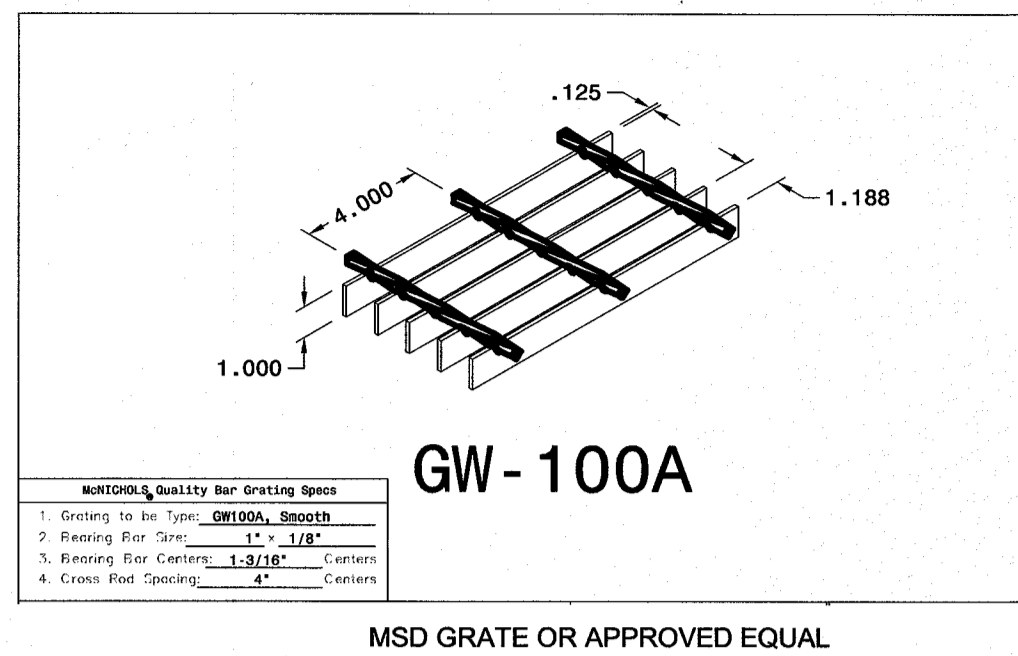
NO.	DATE
3	08/10/2016
4	08/18/2016
5	10/06/2016
6	12/20/2016
7	1/12/2017
8	8/18/2017

ISSUE DATE:	JAN 16, 2017
PROJECT NO.:	15-187
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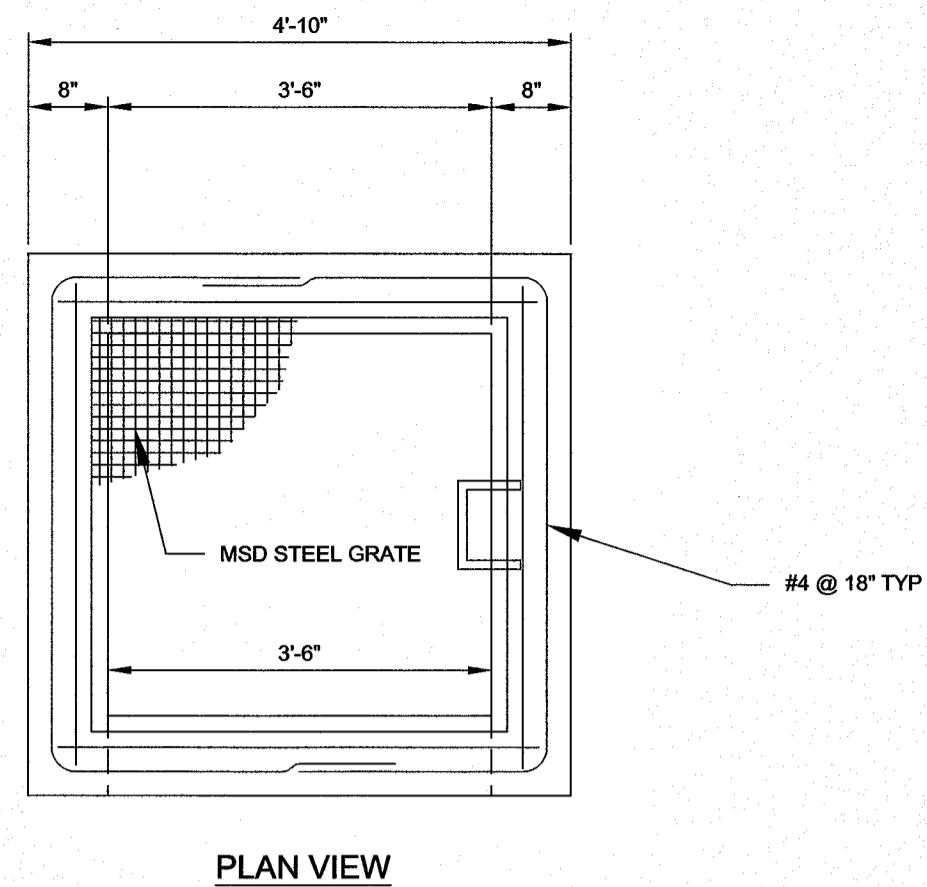
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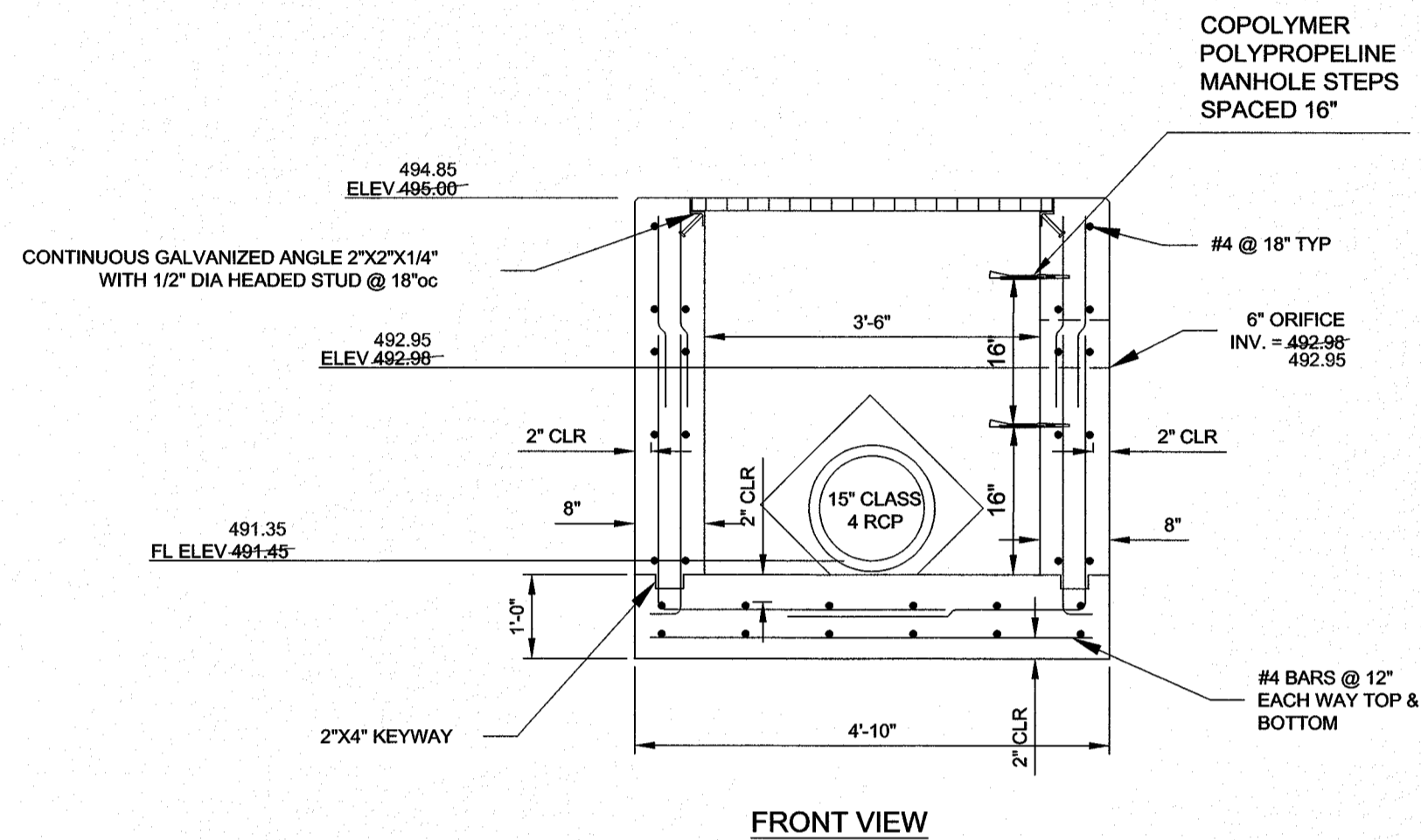


GW-100A

MSD GRATE OR APPROVED EQUAL

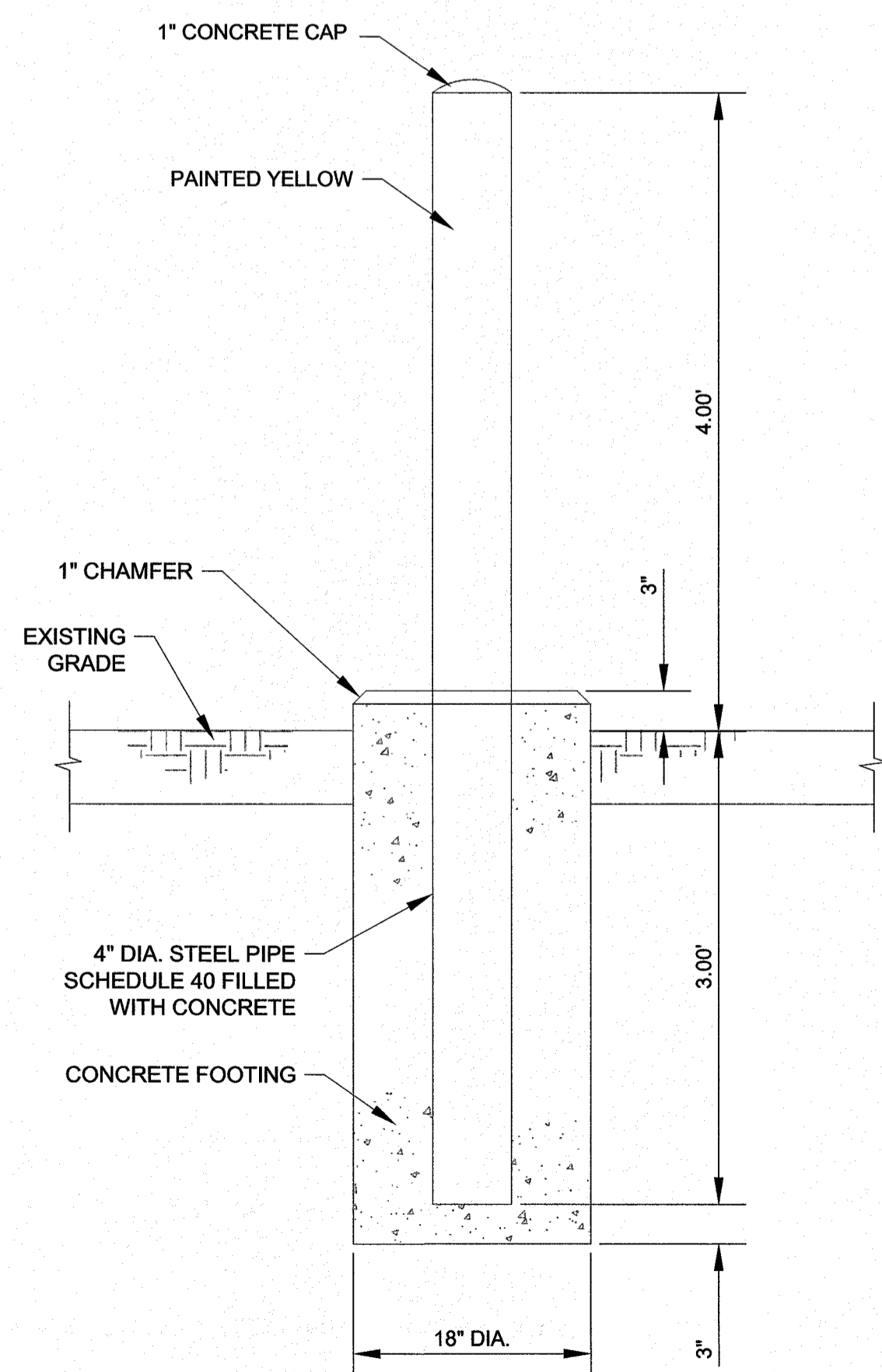


PLAN VIEW

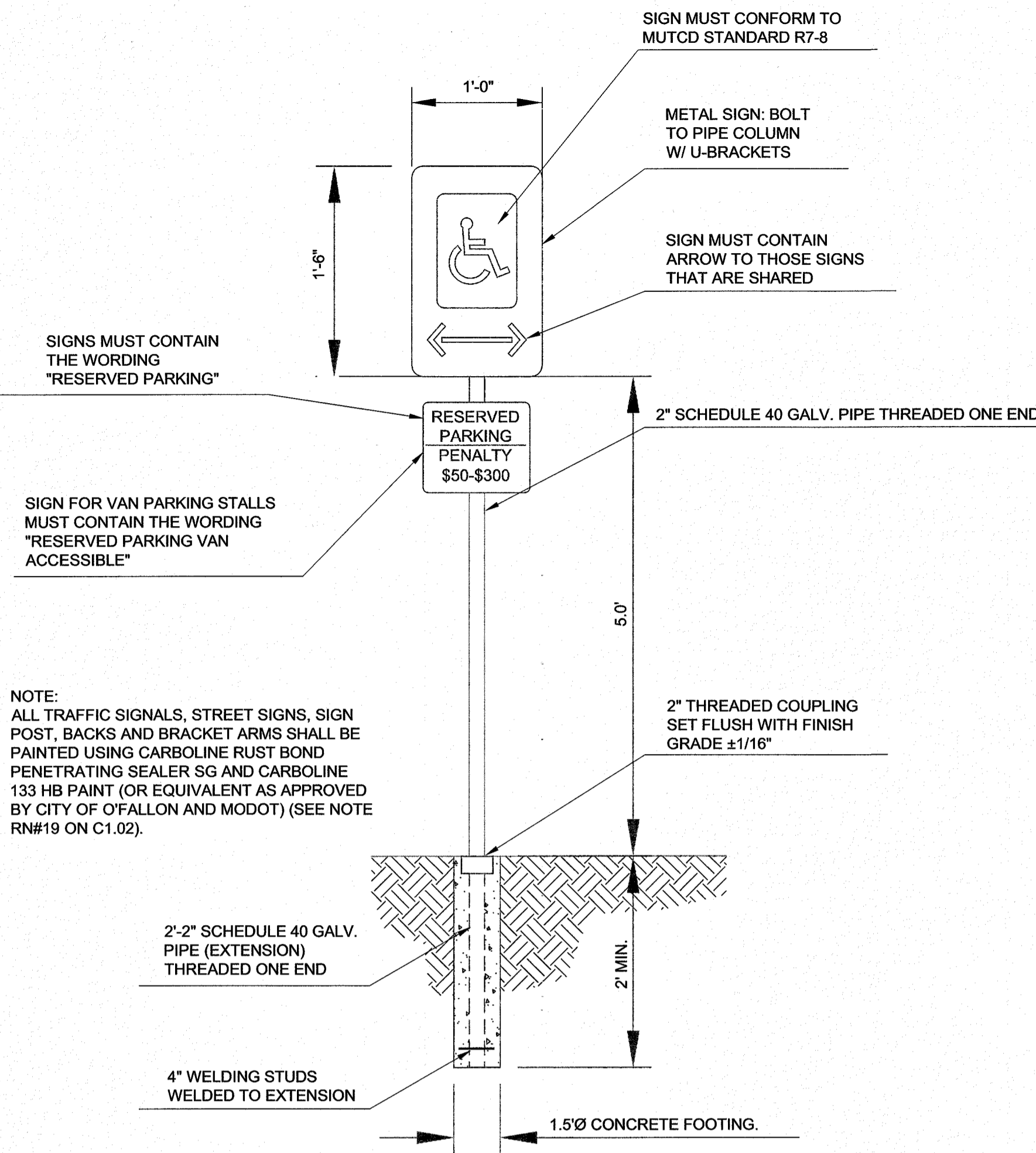


FRONT VIEW

1 OUTLET CONTROL STRUCTURE DETAIL
N.T.S.



2 BOLLARD DETAIL
N.T.S.



3 ACCESSIBLE PARKING SIGN DETAIL
SCALE: NTS

Vegetative Establishment Table:

Seeding rates:

Permanent:

- Tall; Fescue -- 30 lbs./ac.
- Smooth Brome -- 20 lbs./ac.
- Combined: Fescue @ 15 lbs./ac. and Brome @ 10 lbs./ac.

Temporary:

- Wheat or Rye -- 150 lbs./ac. (3.5 lbs. per square foot)
- Oats -- 120 lbs./ac. (2.75 lbs. per square foot)

Seeding periods:

- Fescue or Brome -- March 1 to June 1
August 1 to October 1
- Wheat or Rye -- March 15 to November 1
- Oats -- March 15 to September 15

Mulch rates: 100 lbs. per 1,000 square feet (4,356 lbs. per acre)

Fertilizer rates: Nitrogen 30 lbs./ac.
Phosphate 30 lbs./ac.
Potassium 30 lbs./ac.
Lime 600 lbs./ac. ENM*

*ENM = effective neutralizing material as per State evaluation of quarried rock.

4 VEGETATIVE ESTABLISHMENT TABLE
SCALE: NTS

4 HDPE PIPE SPECIFICATIONS
SCALE: NTS

kpff

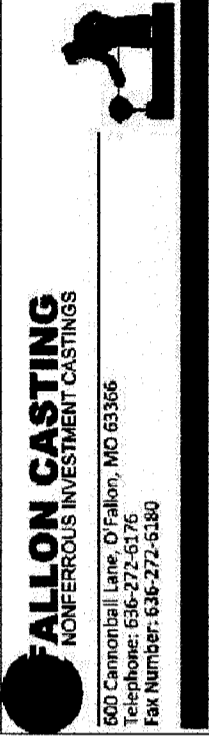
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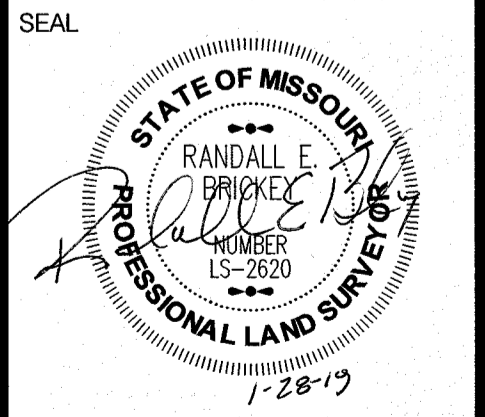


ADDITION & RENOVATION FOR
O'FALLON CASTING
600 CANNONBALL LANE OFALLON, MISSOURI 63366
CONSTRUCTION DETAILS

REVISIONS

NO.	DATE
3	08/10/2016
4	08/18/2016
5	10/06/2016
6	12/20/2016
7	1/12/2017
8	8/18/2017

ISSUE DATE: JAN 16, 2017
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"AS-BUILT"