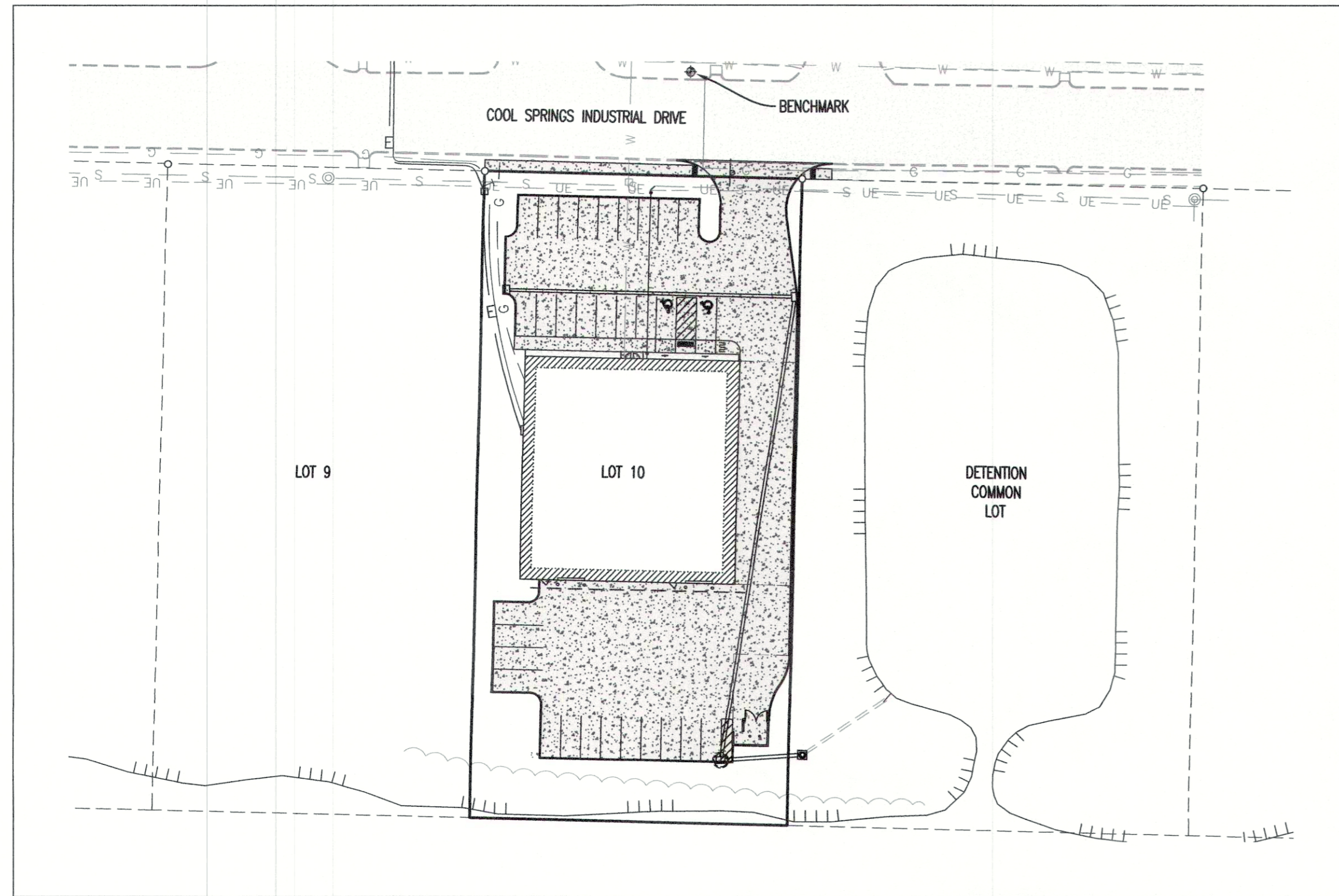


A SET OF AS BUILT PLANS FOR Landmark Cool Springs LLC



Plan View



Locator Map

LEGAL DESCRIPTION:
A TRACT OF LAND LOCATED IN FRACTIONAL SECTION 22 AND U.S. SURVEY 63, ALL IN TOWNSHIP 47 NORTH, RANGE 3 EAST, O'FALLON, ST. CHARLES COUNTY, MISSOURI AND BEING ALL OF LOT 10 OF COOL SPRINGS INDUSTRIAL PARK, PLAT 2, RECORDED IN BOOK 42, PAGE 156 AND CONTAINING 0.95 ACRES



PROJECT TITLE
LANDMARK COOL SPRINGS LLC
1024 COOL SPRINGS RD
O'FALLON, MO 63366

Utility Contacts

Sanitary Sewers

City of O'Fallon
100 N. Main St.
O'Fallon, MO. 63366
Contact: 636-240-2000

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

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

Water

City of O'Fallon
100 N. Main St.
O'Fallon, MO. 63366
Contact: 636-240-2000

Missouri American Water Co.
727 Craig Rd.
St. Louis, MO. 63141
1-866-430-0820

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

Storm Sewer

City of O'Fallon
100 N. Main St.
O'Fallon, MO. 63366
636-240-2000

Electric

Curve River Electric Co.
P.O. Box 160
Troy, MO. 63379-0160
1-800-392-3709

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

Gas

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

Telephone

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

Fire District

O'Fallon Fire Protection District
111 Laura K Dr.
O'Fallon, MO. 63366
636-272-3493

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

Cottleville Fire Protection District
1385 Motherhead Rd.
St. Charles, MO. 63304
636-447-6655

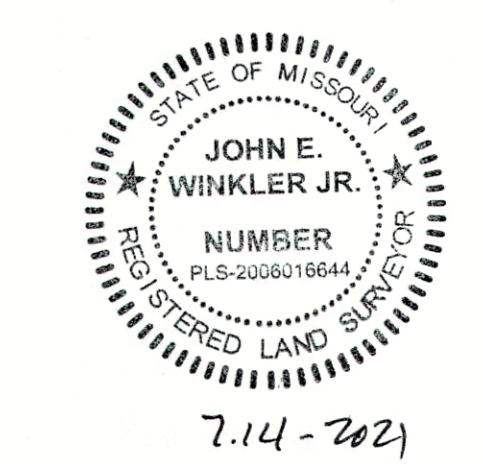
Conditions of Approval From Planning and Zoning

- 1) WAVE STYLE BIKE RACK IS NOT PERMITTED
- 2) THE DUMPSTER ENCLOSURE SHALL NOT BE LOCATED WITHIN THE REAR YARD SETBACK

LOCATION OF IMPROVEMENTS AS-BUILT



John E. Winkler Jr.
John E. Winkler Jr. PLS-200606644
Order No. 9181 Date: 7.14.21



7.14-2021

CITY OF O'FALLON
ENGINEERING DEPARTMENT
ACCEPTED FOR CONSTRUCTION
BY: *Jeanne Greenlee* DATE: 08/09/2021
PROFESSIONAL ENGINEER'S SEAL
INDICATES RESPONSIBILITY FOR DESIGN

Drawing Index

- CE 1 - GENERAL NOTES
- CE 2 - SITE PLAN
- CE 3 - GRADING PLAN & EROSION CONTROL PLAN
- CE 4 - EROSION CONTROL DETAILS
- CE 5 - STORM SEWER PROFILE AND DETAILS
- CE 6 - STORM SEWER AND WATER DETAILS
- CE 7 - PAVEMENT DETAILS

Benchmarks

TBM #1 - FIRE HYDRANT TOP FLANGE BOLT ON FIRE HYDRANT ON NORTH SIDE OF COOL SPRINGS DRIVE, NORTH OF PROPOSED DRIVEWAY FOR THIS PROJECT. ELEVATION = 481.45

Legend

---	EXISTING CURB	FF-XXXX	FINISH FLOOR OF STRUCTURE
---	PROPOSED CURB	XXXXXX TC	PROPOSED TOP OF CURB ELEVATION
XXXXXX	RIP RAP	XXXXXX TP	PROPOSED TOP OF PAVEMENT ELEVATION
---	EXISTING STRUCTURE	XXXXXX FG	PROPOSED FINISH GRADE ELEVATION
---	EXISTING TREELINE	XXXXXX TW	PROPOSED TOP OF WALL
---	PROPOSED TREELINE	XX	LOT NUMBER
---	EDGE OF WATERWAY	X	STORM SEWER STRUCTURE LABEL
---	EXISTING WATERLINE	X	SANITARY SEWER STRUCTURE LABEL
---	PROPOSED WATERLINE	HP.	HIGH POINT
---	EXISTING GAS LINE	LP.	LOW POINT
---	PROPOSED GAS LINE	---	EXISTING SIGNS
---	EXISTING UNDERGROUND TELEPHONE	---	EXISTING POWER POLE
---	EXISTING UNDERGROUND CABLE TELEVISION	---	EXISTING GAS VALVE
---	EXISTING HIGH VOLTAGE ELECTRIC	---	EXISTING WATER VALVE
---	EXISTING OVERHEAD ELECTRIC	---	EXISTING GAS METER
---	EXISTING UNDERGROUND ELECTRIC	---	EXISTING WATER METER
---	EXISTING OVERHEAD ELEC. & TV	---	EXISTING FIRE HYDRANT
---	EXISTING OVERHEAD ELEC., TV & TELE.	---	MANHOLE
---	EXISTING SANITARY SEWER	---	EXISTING SANITARY SEWER LATERAL
---	PROPOSED SANITARY SEWER	---	PROPOSED SANITARY SEWER LATERAL
---	EXISTING MINOR CONTOUR	---	PROPOSED TRACER WIRE TEST STATION BOX
---	EXISTING MAJOR CONTOUR	---	EXISTING AIR CONDITIONER
---	PROPOSED MINOR CONTOUR	---	EXISTING TELEPHONE PEDESTAL
---	PROPOSED MAJOR CONTOUR	---	EXISTING ELECTRICAL TRANSFORMER
---	100 YEAR FLOOD PLAIN	---	EXISTING ELECTRICAL METER
---	FLOODWAY	---	EXISTING LIGHT POLE
---	ORDINARY HIGH WATER MARK	---	EXISTING GUY WIRE
---	STREAM SIDE BUFFER	---	
---	OUTER STREAM BUFFER	---	

* 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 this phase of development is 0.95 ACRES
The area of land disturbance is 0.95 ACRES
Number of proposed lots is 1 EXISTING
Building setback information. Front 30'

Side 20'-WEST/25'-EAST
Rear 35'

* The estimated sanitary flow in gallons per day is 500 GPD

* Tree preservation calculations:
Existing trees on-site = 2,670 square feet
Existing trees retained = 2,670 square feet.

Developer / Owner Information
LANDMARK COOL SPRINGS LLC
114 STONE RIDGE MEADOWS
O'FALLON, MO 63366

City of O'Fallon Cover Sheet

P+Z No. - 20-007735
Approval Date: 10-2-2020

Permit No.

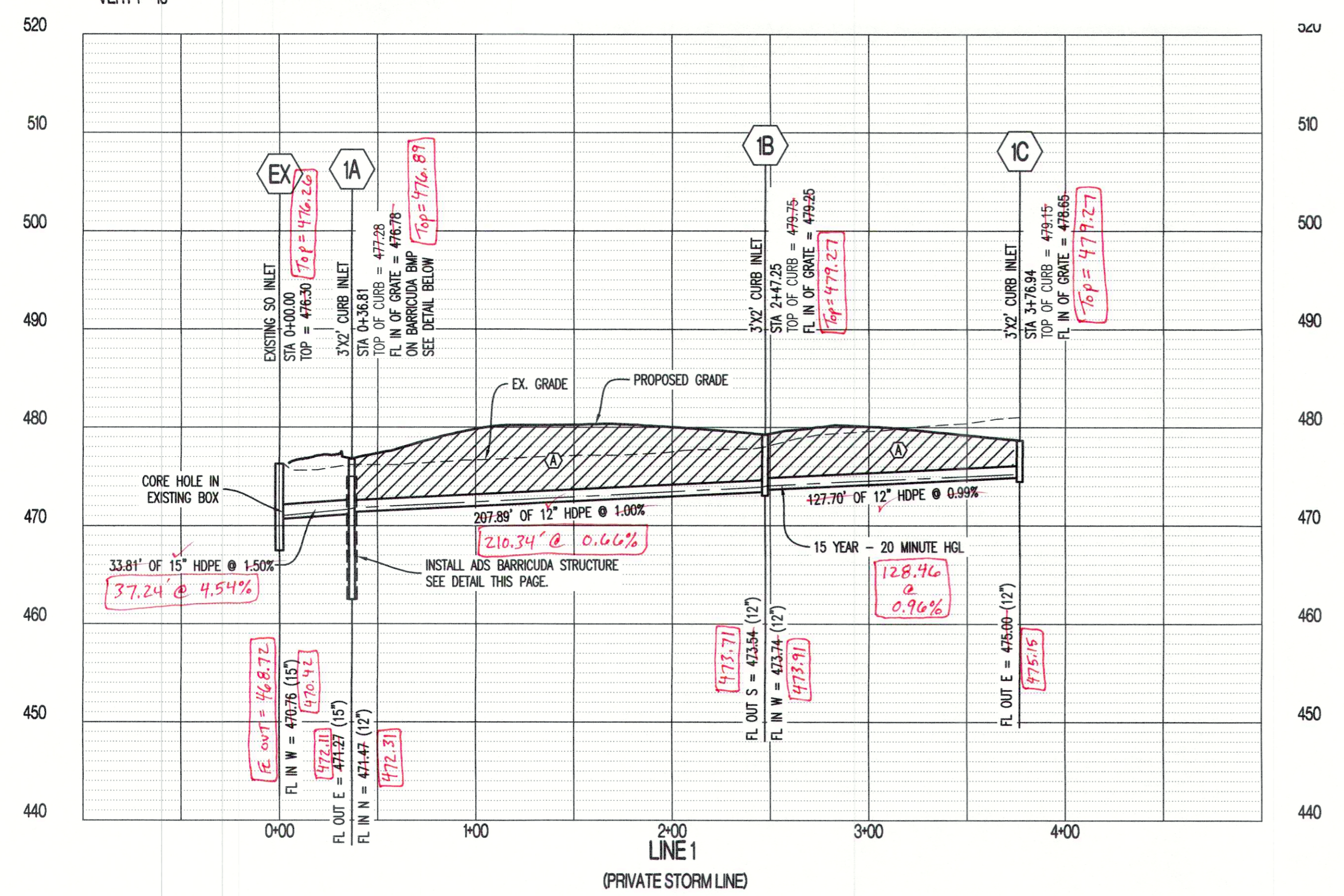
Page No.

COVER SHEET

AS BUILT

SCALE:
HORIZ T = 50'
VERT F = 10'

LEGEND OF LABELS:
Ⓐ COMPACTED GRANULAR EMBEDMENT



PROJECT INFORMATION	
ENGINEERED	CRAIG DAHLGREN
PRODUCT	314-296-1595
MANAGER	CRAIG DAHLGREN@ADS-PIPE.COM
ADS SALES REP	BRIAN SHELSON
PROJECT NO.	BRIAN.SHELSON@ADS-PIPE.COM



LANDMARK COOL SPRINGS LLC O'FALLON, MO

BAYSAYER BARRACUDA SPECIFICATIONS

MATERIALS AND DESIGN
CONCRETE STRUCTURES, DESIGNED FOR H-20 TRAFFIC LOADING AND APPLICABLE SOIL LOADS OR AS OTHERWISE DETERMINED BY A LICENSED PROFESSIONAL ENGINEER. THE MATERIALS AND STRUCTURAL DESIGN OF THE DEVICES SHALL BE PER ASTM C887 AND ASTM C886.

48" HP MANHOLE STRUCTURES, MADE FROM AN IMPACT MODIFIED COPOLYMER POLYPROPYLENE MEETING THE MATERIAL REQUIREMENTS OF ASTM F2754. THE ECCENTRIC CONE REDUCER SHALL BE MANUFACTURED FROM POLYETHYLENE MATERIAL MEETING ASTM D3350 CELL CLASS 213320C. GASKETS SHALL BE MADE OF MATERIAL MEETING THE REQUIREMENTS OF ASTM F477.

SEPARATOR INTERNALS SHALL BE SUBSTANTIALLY CONSTRUCTED OF STAINLESS STEEL, POLYETHYLENE, OR OTHER THERMOPLASTIC MATERIAL APPROVED BY THE MANUFACTURER.

PERFORMANCE
THE STORMWATER TREATMENT UNIT SHALL BE AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.

THE STORMWATER TREATMENT UNIT INTERNALS SHALL CONSIST OF (1) SEPARATOR CONE ASSEMBLY, AND (1) SLUMP ASSEMBLY WHICH INCLUDES (4) LEGS WITH "TEETH".

THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL-SCALE THIRD PARTY TESTING USING OK-110 MEDIA GRADATION OR EQUIVALENT AND 300 mg/L INFLUENT CONCENTRATION. SAID FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.

THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH $d_{50} = 75$ MICRON AND 200 MG/L INFLUENT CONCENTRATION.

THE BARRACUDA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS PER CURRENT NJDEP/NJCAT HDS PROTOCOL.

MANUFACTURER
EACH STORMWATER TREATMENT SYSTEM SHALL BE A BARRACUDA SYSTEM AS MANUFACTURED BY BAYSAYER, LLC, 1030 DEER HOLLOW DR., MOUNT AIRY, MD 21771. PHONE (301) 629-4470, FAX (301) 629-3747, TOLL FREE 1-800-225-7263 (1-800-BAYSAYER), EMAIL info@baysayer.com

BARRACUDA MAINTENANCE
BARRACUDA SYSTEMS MUST BE INSPECTED AND MAINTAINED PERIODICALLY. INSPECTION IS MADE BY CHECKING THE DEPTH OF SEDIMENT IN EACH MANHOLE WITH A GRADE STICK OR SIMILAR DEVICE. MAINTENANCE IS REQUIRED WHEN THE SEDIMENT DEPTH IN EXCEEDS 20 INCHES. MINIMUM INSPECTION IS RECOMMENDED TWICE A YEAR TO MAINTAIN OPERATION AND FUNCTION OF THE UNIT.

MAINTENANCE INSTRUCTIONS

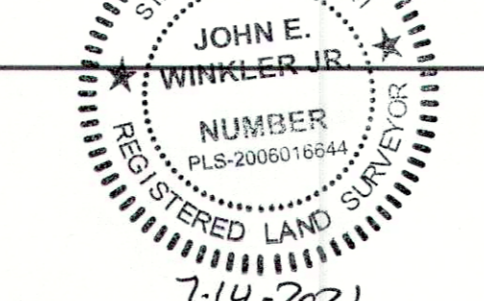
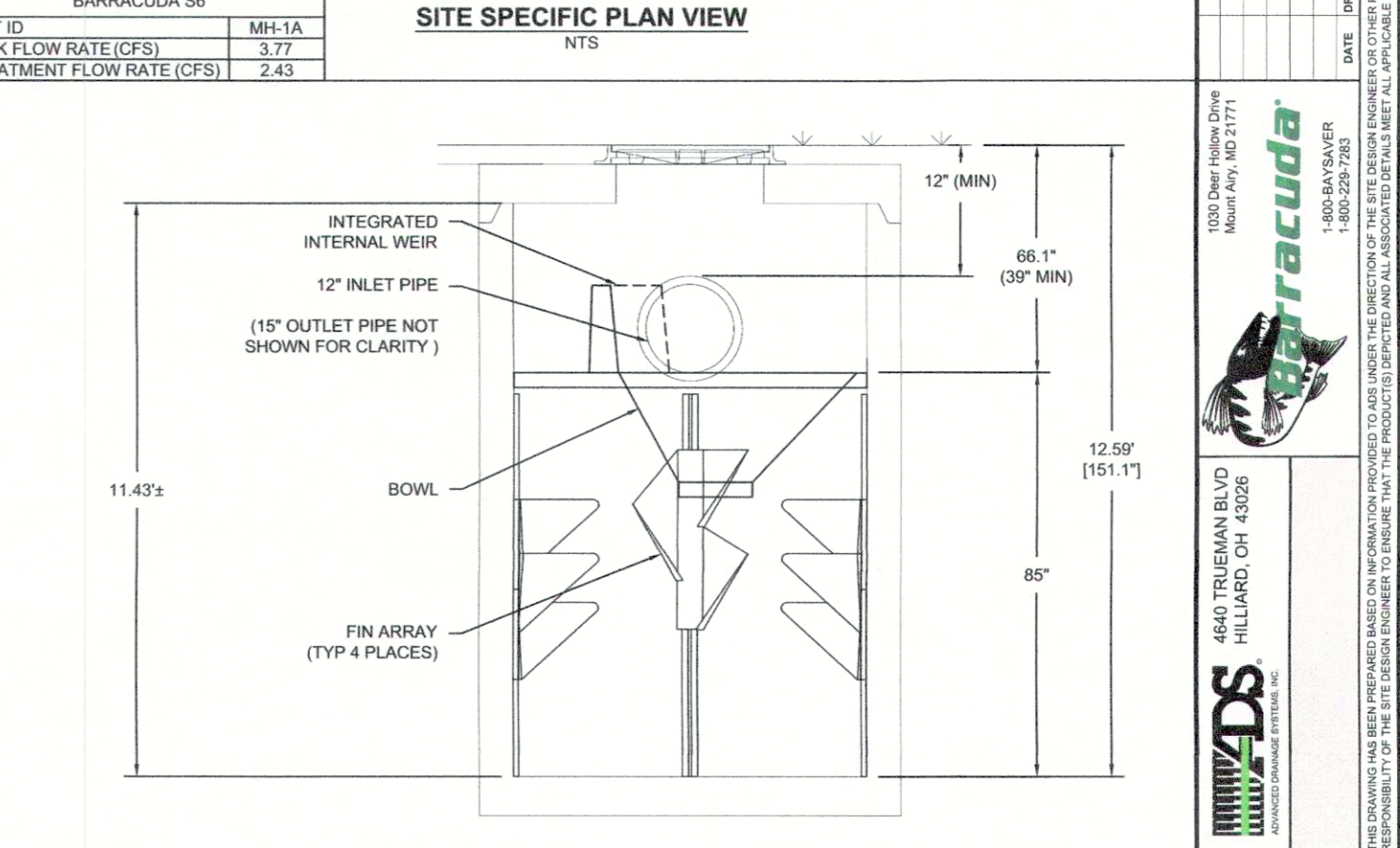
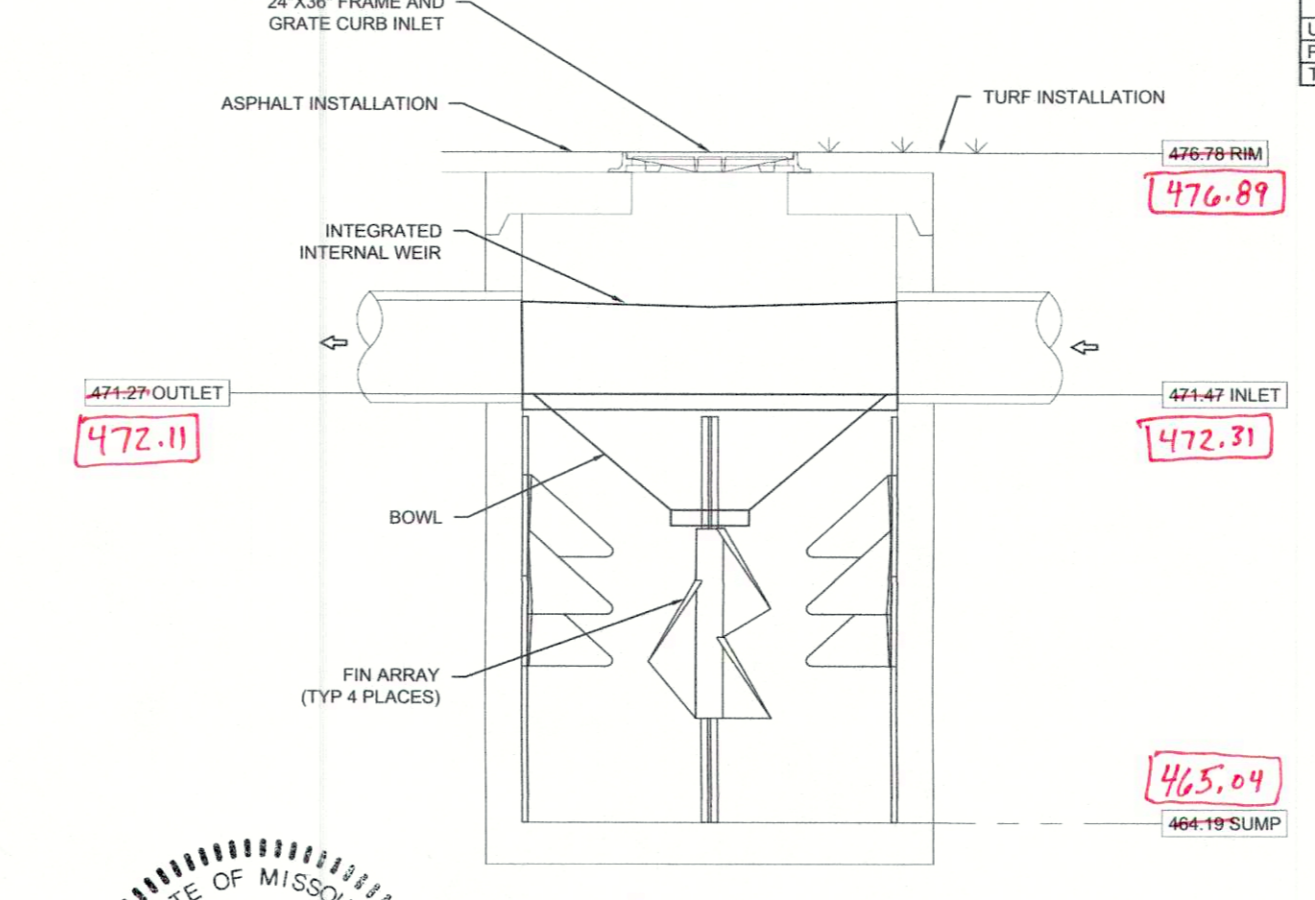
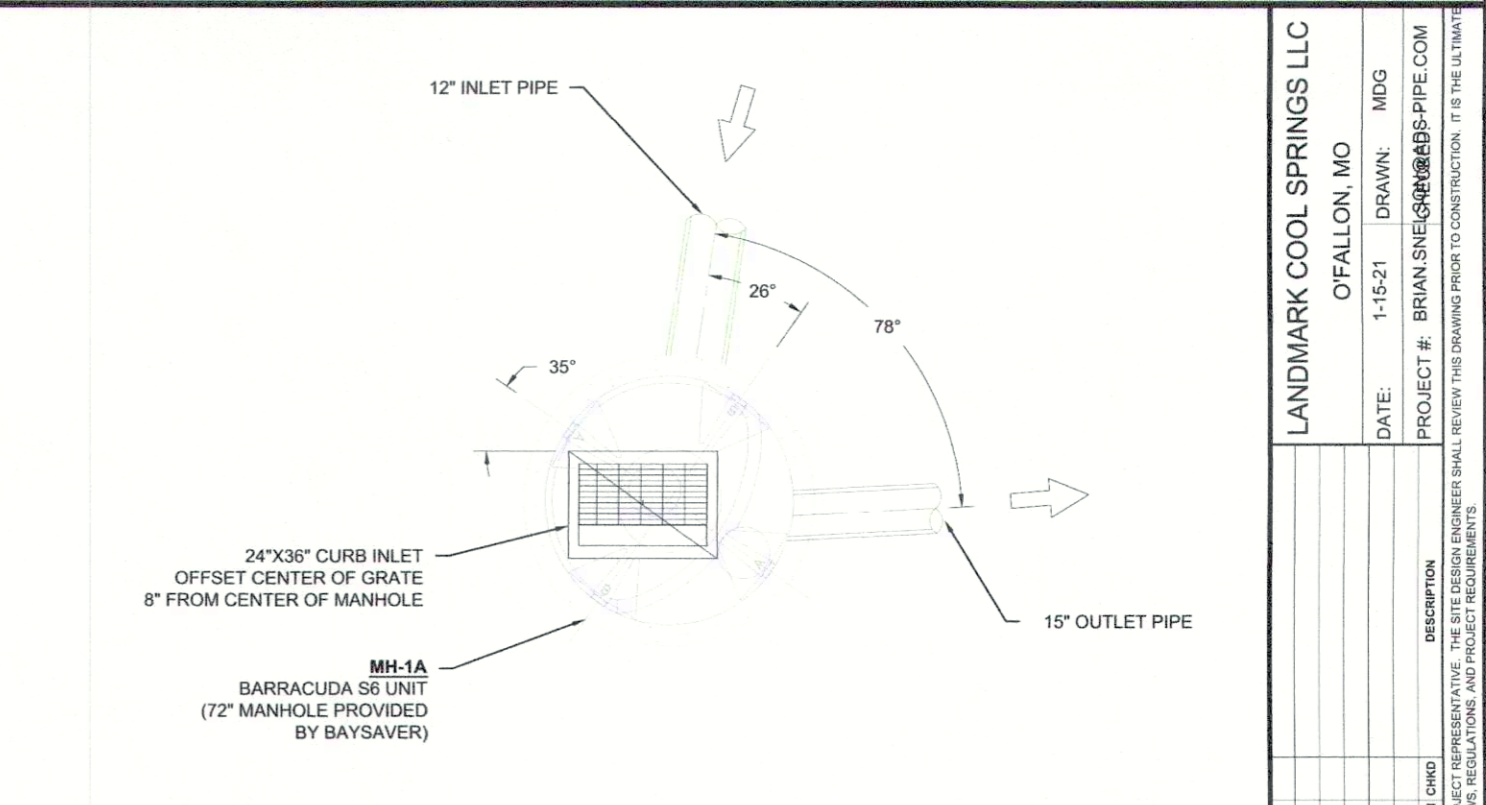
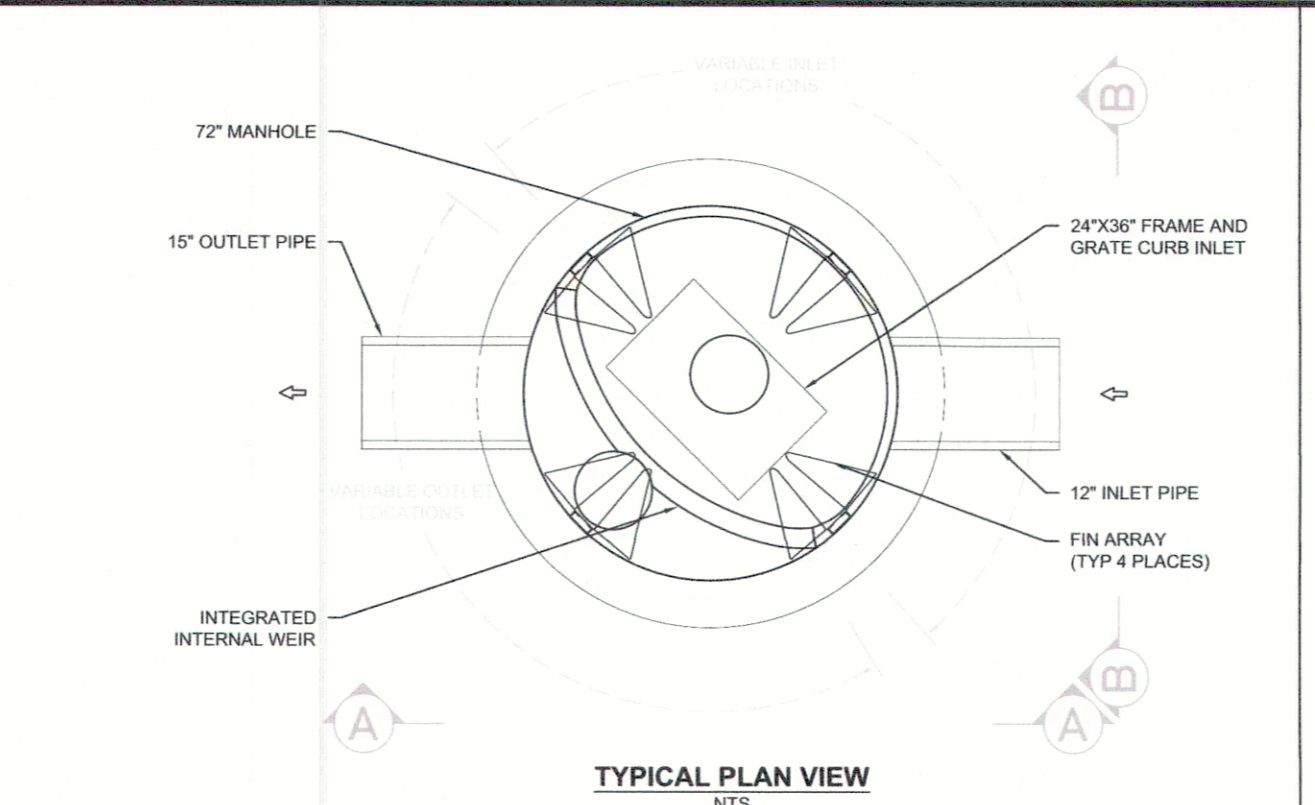
- REMOVE THE MANHOLE COVER TO PROVIDE ACCESS TO THE POLLUTANT STORAGE. POLLUTANTS ARE STORED IN THE SLUMP, BELOW THE BOWL ASSEMBLY VISIBLE FROM THE SURFACE. YOU'LL ACCESS THIS AREA THROUGH THE 10" DIAMETER ACCESS CYLINDER.
- USE A VACUUM TRUCK OR OTHER SIMILAR EQUIPMENT TO REMOVE ALL WATER, DEBRIS, OILS AND SEDIMENT.
- USE A HIGH PRESSURE HOSE TO CLEAN THE MANHOLE OF ALL THE REMAINING SEDIMENT AND DEBRIS. THEN, USE THE VACUUM TRUCK TO REMOVE THE WATER.
- FILL THE CLEANED MANHOLE WITH WATER UNTIL THE LEVEL REACHES THE INVERT OF THE OUTLET PIPE.
- REPLACE THE MANHOLE COVER.
- DISPOSE OF THE POLLUTED WATER, OILS, SEDIMENT AND TRASH AT AN APPROVED FACILITY.

LOCAL REGULATIONS PROHIBIT THE DISCHARGE OF SOLID MATERIAL INTO THE SANITARY SYSTEM. CHECK WITH THE LOCAL SEWER AUTHORITY FOR AUTHORITY TO DISCHARGE THE LIQUID.

SOME LOCALITIES TREAT THE POLLUTANTS AS LEACHATE. CHECK WITH LOCAL REGULATORS ABOUT DISPOSAL REQUIREMENTS.

ADDITIONAL LOCAL REGULATIONS MAY APPLY TO THE MAINTENANCE PROCEDURE.

BARRACUDA INSTALLATION NOTES
INSTALLATION OF THE STORMWATER TREATMENT UNIT(S) SHALL BE PERFORMED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUCH INSTRUCTIONS CAN BE OBTAINED BY CALLING ADVANCED DRAINAGE SYSTEMS AT (800) 821-6710 OR BY LOGGING ON TO WWW.ADS-PIPE.COM OR WWW.BAYSAYER.COM.



RECOMMENDED MINIMUM TRENCH WIDTHS	
PIPE DIAM.	MIN. TRENCH WIDTH
12"	24"
15"	30"
18"	36"
21"	42"
24"	48"
27"	54"
30"	60"
36"	72"
42"	84"
48"	96"
54"	108"
60"	120"
72"	144"
84"	168"
96"	192"
108"	216"
120"	240"

MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS*		
PIPE DIAM.	H-20 (HEAVY CONSTRUCTION)	H-15 (STANDARD CONSTRUCTION)
12"	12"	12"
15"	15"	15"
18"	18"	18"
21"	21"	21"
24"	24"	24"
27"	27"	27"
30"	30"	30"
36"	36"	36"
42"	42"	42"
48"	48"	48"
54"	54"	54"
60"	60"	60"
72"	72"	72"
84"	84"	84"
96"	96"	96"
108"	108"	108"
120"	120"	120"

ADS N-12 PLAIN END PIPE (PER AASHTO) SPECIFICATION

Scope
This specification describes 4- through 60-inch (100 to 1500 mm) ADS N-12 plain end pipe (per AASHTO) for use in gravity-flow land drainage applications.

Pipe Requirements
ADS N-12 plain end pipe (per AASHTO) shall have a smooth interior and annular exterior corrugations.

- 4- through 10-inch (100 to 250 mm) pipe shall meet AASHTO M252, Type S or SP.
- 12- through 60-inch (300 to 1500 mm) pipe shall meet AASHTO M294, Type S or SP, or ASTM F2306.
- Manning's "n" value for use in design shall be 0.012.

Joint Performance
Pipe shall be joined with coupling bands covering at least two full corrugations on each end of the pipe. Standard connections shall meet or exceed the soil-tight requirements of AASHTO M252, AASHTO M294, or ASTM F2306.

Gasketed connections shall incorporate a closed-cell synthetic expanded rubber gasket meeting the requirements of ASTM D1056 Grade 2A2. Gaskets, when applicable, shall be installed by the pipe manufacturer.

Fittings
Fittings shall conform to AASHTO M252, AASHTO M294, or ASTM F2306.

Material Properties
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, and 435400C 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 should not exceed 4%. The 12- through 60-inch (300 to 1500mm) pipe material shall comply with the notched constant ligament-stress (NCLS) test as specified in Sections 9.5 and 5.1 of AASHTO M294 and ASTM F2306 respectively.

Installation
Installation shall be in accordance with ASTM D2321 and ADS recommended installation guidelines, with the exception that minimum cover in trafficked areas for 4- through 48-inch (100 to 1200 mm) diameters shall be one foot (0.3 m) and for 60-inch (1500 mm) diameter the minimum cover shall be 2 ft. (0.6 m) in single run applications. Backfill for minimum cover situations shall consist of Class 1 (compacted), Class 2 (minimum 90% SPD) or Class 3 (minimum 95% material). Maximum fill heights depend on embedment material and compaction level; please refer to Technical Note 2.01. Contact your local ADS representative or visit our website at www.ads-pipe.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	60
in (mm)	(100)	(150)	(200)	(250)	(300)	(375)	(450)	(600)	(750)	(900)	(1050)	(1200)	(1500)
Flow I.D.	4.4	6.4	8.4	10.4	12.4	15.4	18.4	24.4	30.4	36.4	42.4	48.4	60.4
in (mm)	(112)	(173)	(231)	(290)	(368)	(457)	(559)	(711)	(914)	(1067)	(1219)	(1372)	(1762)

*Flow I.D. values are provided for reference purposes only; values stated for 12 through 60-inch are 11-inch. Contact a sales representative for exact values.
*All diameters available with or without perforations.

STORM AND SANITARY SEWER MEASUREMENTS

THE EXISTING SEWER LENGTHS, 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 WYS LOCATIONS HAVE BEEN PLOTTED FROM INFORMATION PROVIDED BY THE SEWER CONTRACTOR OF OTHER SOURCES, I DISCLAIM ANY RESPONSIBILITY FOR THAT SPECIFIC INFORMATION.

ALL PUBLIC SEWERS ARE LOCATED WITHIN DESIGNATED EXISTING OR PROPOSED EASEMENTS EXCEPT AS FOLLOWS:

88.23' 159.80' DENOTES AS-BUILT (TYP.)

Metron A Surveying & Layout Co.
313 Wood Street
O'Fallon, MO, 63366
Ph: 314-452-5400 Fax: 636-294-5951

John E. Winkler Jr.
John E. Winkler Jr., PLS-2006016844
Order No. 9481 Date: 7-14-2021

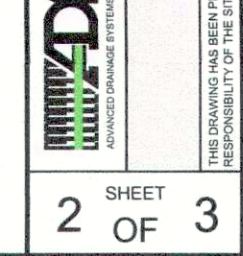
PROJECT TITLE:
LANDMARK COOL SPRINGS LLC
1024 COOL SPRINGS RD
O'FALLON, MO 63366

Developer / Owner Information
LANDMARK COOL SPRINGS LLC
114 STONE RIDGE MEADOWS
O'FALLON, MO 63366

P+Z No. - 20-007735
Approval Date: 10-2-2020
Permit No.
Page No.
CE 5 - STORM PROFILES & DETAILS

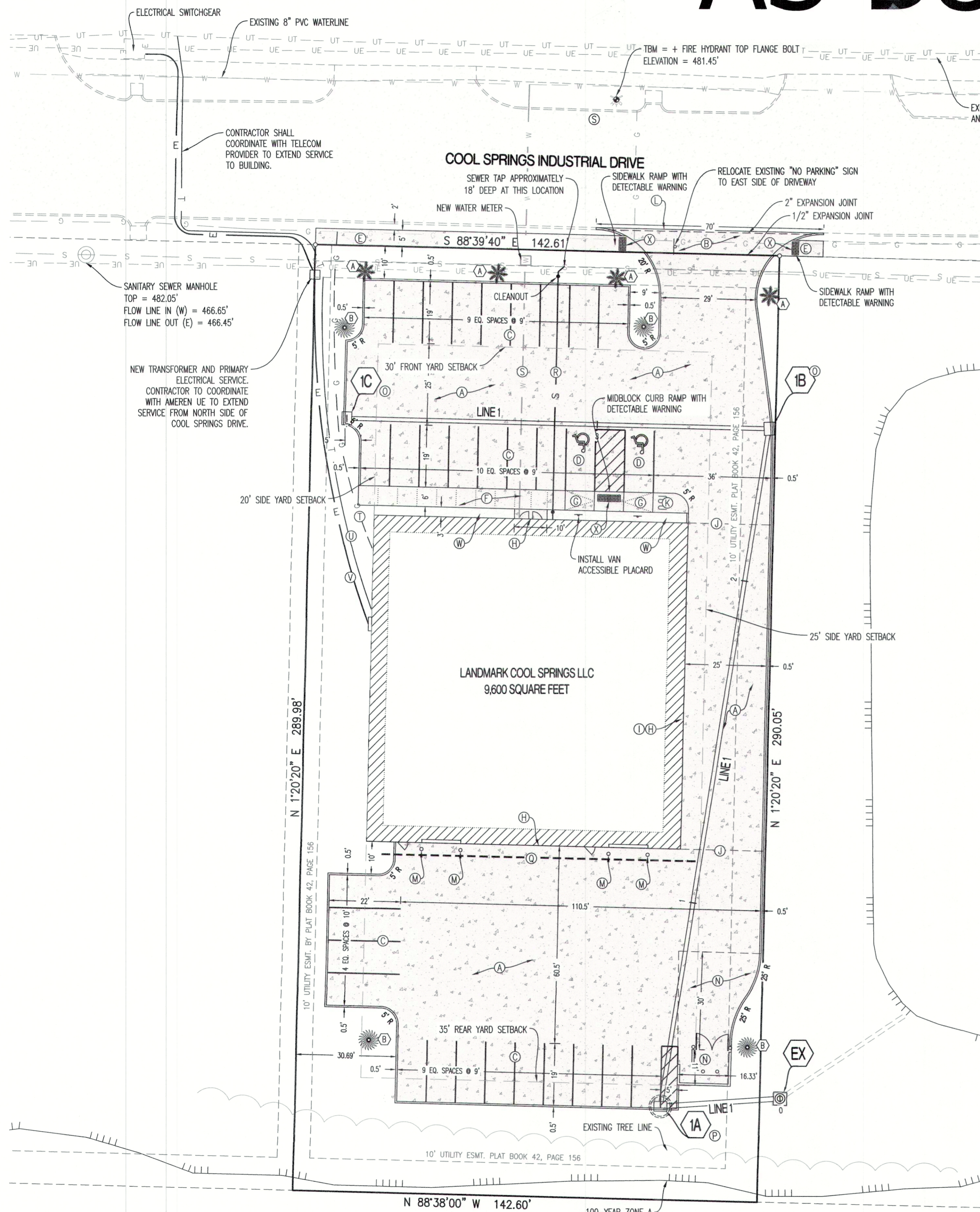
City of O'Fallon Cover Sheet

LANDMARK COOL SPRINGS LLC	
DATE:	1-15-21
DRAWN:	MDG
PROJECT #:	BRIAN.SHELSON@ADS-PIPE.COM
DATE:	1-15-21
DRAWN:	MDG
PROJECT #:	BRIAN.SHELSON@ADS-PIPE.COM



2 SHEET OF 3

AS BUILT



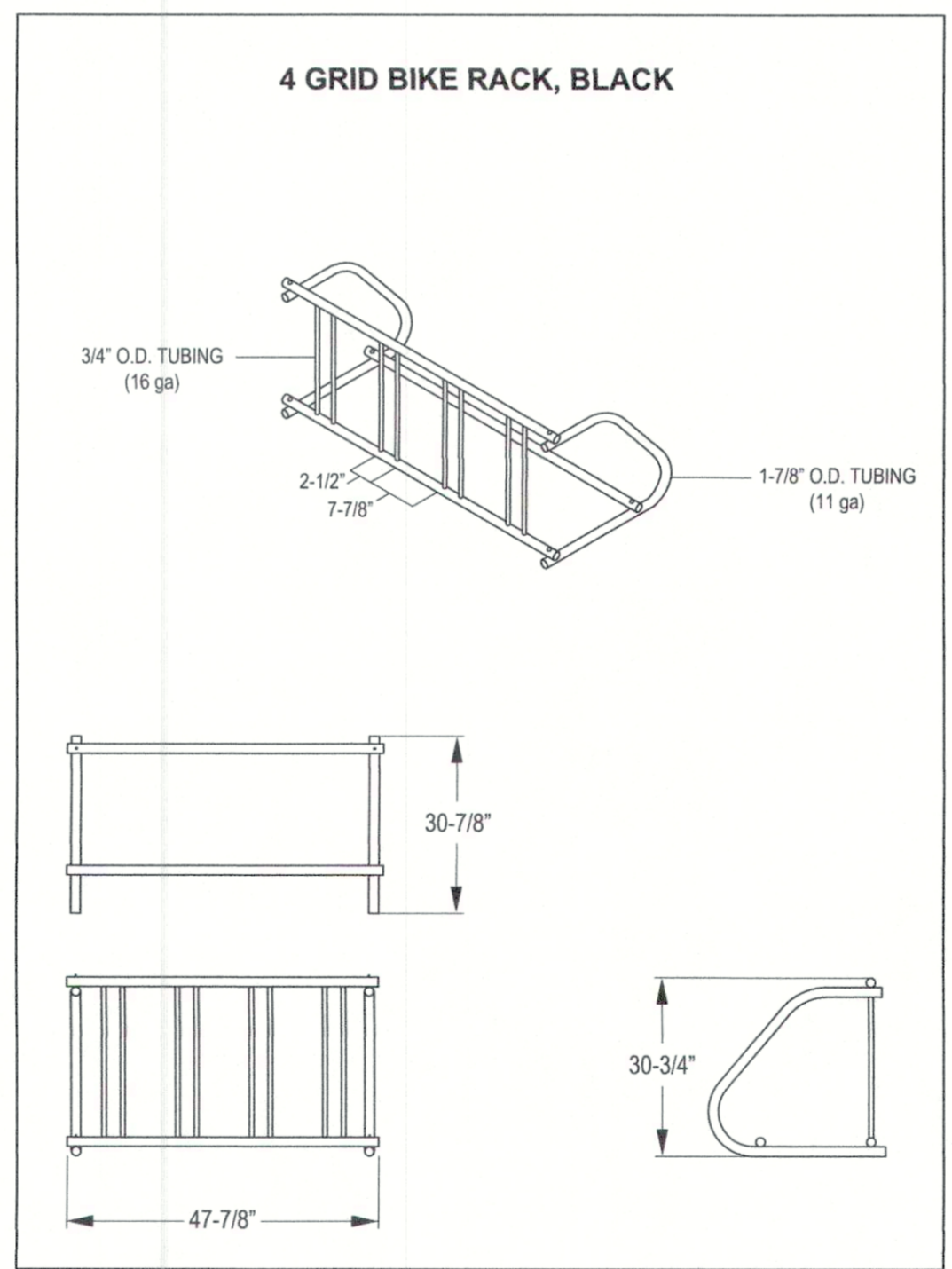
GENERAL NOTES:

- 1) LIGHTING VALUES WILL BE REVIEWED ON-SITE PRIOR TO THE ISSUANCE OF A FINAL OCCUPANCY PERMIT. ALL VALUES SHALL COMPLY WITH THE CITY OF O'FALLON LIGHTING ORDINANCE.
- 2) THE ESTIMATED SANITARY FLOW FROM THIS BUILDING IS ESTIMATED AT 20 EMPLOYEES, USING A MAXIMUM OF 25 GALLONS PER DAY, FOR AN AVERAGE DAILY FLOW OF 500 GALLONS PER DAY.
- 3) ALL STORM SEWER INLETS ARE REQUIRED TO HAVE SPECIAL "NO DUMPING" MARKINGS ON THE INLET FRAMES. THE MARKER MAY EITHER BE ACP INTERNATIONAL'S "CRYSTAL CAP MODEL SD-W-CC" WHICH READS "NO DUMPING DRAINS TO WATERWAYS." THIS IS 3-7/8" DIAMETER AND EPOXIES TO TOP OF INLET. SEE WWW.ACPINTERNATIONAL.COM. ALTERNATIVELY, THE CONTRACTOR MAY USE DAS MANUFACTURING'S "STANDARD STYLE MODEL #50S" WHICH READS "NO DUMPING DRAINS TO STREAM." THIS IS 4" DIAMETER AND EPOXIES TO THE TOP OF INLET. SEE WWW.DASMANUFACTURING.COM.
- 4) ALL UTILITIES SHOWN TO CROSS COOL SPRINGS DRIVE SHALL BE BORED. NO OPEN CUTTING OR LANE CLOSURES OF COOL SPRINGS DRIVE SHALL BE ALLOWED.

- LEGEND OF LABELS**
- (A) CONSTRUCT NORMAL DUTY CONCRETE W/ INTEGRAL CURB OR SEPERATE CURB AND GUTTER AS SHOWN. REFER TO PAVEMENT CROSS SECTION ON CE 7.
 - (B) CONSTRUCT COMMERCIAL DRIVE APPROACH. REFER TO PAVEMENT CROSS SECTION ON CE 7. SAW CUT EXISTING CURB AS NEEDED. PROVIDE 2" EXPANSION JOINT BETWEEN STREET AND DRIVE APPROACH AND 1" EXPANSION JOINT BETWEEN SIDEWALK LOCATION AND PRIVATE DRIVE AS SHOWN.
 - (C) PAINT 4" PARKING STALL STRIPES AS SHOWN, COLOR YELLOW. TYPICAL ALL STALLS EXCEPT ADA ACCESSIBLE STALLS. REFER TO PLAN FOR WIDTH AND DEPTH OF STALLS.
 - (D) CONSTRUCT ADA ACCESSIBLE PARKING AREA WITH SIGNAGE AND ADA RAMP. PAINT 4" STRIPE AND ACCESSIBLE SYMBOL, COLOR BLUE. PAINT HATCH AREA AS SHOWN, COLOR BLUE. SLOPE OF THE PAVEMENT AT ALL ACCESSIBLE STALLS SHALL NOT EXCEED 1:50. REFER TO DETAILS ON CE 7.
 - (E) CONSTRUCT PUBLIC SIDEWALK. REFER TO DETAIL ON CE 7.
 - (F) CONSTRUCT 6" WIDE PCC WALK AT BACK OF CURB AS SHOWN (MAXIMUM LONGITUDINAL SLOPE 1:20. MAXIMUM CROSS SLOPE AT 1:50). REFER TO CROSS-SECTIONS ON CE 7.
 - (G) CONSTRUCT ADA ACCESSIBLE SIDEWALK RAMP AT BACK OF CURB. REFER TO DETAIL ON CE 7.
 - (H) INSTALL 1/2" EXPANSION JOINT WITH REMOVABLE CAULK STRIP ADJACENT TO BUILDING.
 - (I) INSTALL VERTICAL CURB ADJACENT TO THE EAST SIDE OF THE BUILDING.
 - (J) INSTALL 3/4" EXPANSION JOINT IN PAVING WHERE SHOWN. REFER TO DETAIL ON CE 7.
 - (K) BELSON VERTICAL BICYCLE RACK (OR APPROVED EQUAL). MODEL #CBBR-4SG FOR (4) BICYCLE SPACES. SEE DETAIL BELOW.
 - (L) PERFORM HORIZONTAL SAWING OF CURB AS REQUIRED FOR NEW DRIVEWAY APPROACH. SAWCUTTING SHALL BE THE NEAREST EXISTING PANEL JOINT BEYOND THE MATCH POINT IN ALL DIRECTIONS.
 - (M) INSTALL 6" BOLLARDS AS SHOWN. REFER TO DETAIL ON CE 7.
 - (N) DUMPSTER PAD. REFER TO HEAVY DUTY PAVEMENT CROSS SECTION ON CE 7.
 - (O) 3'X2' CURB INLET. REFER TO PROFILE ON CE 5.
 - (P) BARRICUDA 6" DIAMETER STORMWATER BMP. SEE DETAILS ON CE 5.
 - (Q) 6" SDR 35 PVC DOWNSPOUT COLLECTOR AT 1% MINIMUM SLOPE. PROVIDE INSERTA-TEE TAP INTO LINE 1.
 - (R) INSTALL 6" SCHEDULE 40 PVC SEWER LATERAL AT 1% MINIMUM SLOPE PER BUILDING. PLACE CLEANOUTS WHERE SHOWN. PROVIDE 36" MINIMUM DEPTH. TAP EXISTING MAIN. NOTE EXISTING MAIN IS 18" DEEP AT TAP LOCATION. LATERAL BENEATH PAVEMENT SHALL BE BACKFILLED WITH 8" LIFTS OF COMPACTED AGGREGATE BASE.
 - (S) INSTALL NEW 2" SDR 26 OR OR POLY WATER SERVICE. COORDINATE WITH WATER UTILITY TO TAP EXISTING MAIN AND BORE ACROSS COOL SPRINGS DRIVE AND SET METER WHERE SHOWN. INSTALL 2" LINE FROM METER TO BUILDING WATER SERVICE ENTRY LOCATION.
 - (T) INSTALL NEW GAS SERVICE. COORDINATE WITH GAS PROVIDER.
 - (U) INSTALL NEW ELECTRIC SERVICE. COORDINATE WITH ELECTRIC UTILITY PROVIDER.
 - (V) INSTALL NEW DATA SERVICE. COORDINATE WITH DATA SERVICE PROVIDER.
 - (W) INSTALL DECORATIVE LANDSCAPE ROCK BETWEEN SIDEWALK AND BUILDING.
 - (X) INSTALL DETECTABLE WARNING IN SIDEWALK RAMP WHERE SHOWN. SEE DETAIL ON CE 7.

CALCULATIONS:

LAND AREA:	
TOTAL LAND AREA:	0.949 AC
PARKING SUMMARY:	
OFFICE - 4,800 SQFT (1 SPACE PER 300 SQ FT):	16 SPACES
WAREHOUSE - 4,800 SQFT (1 SPACE PER EMPLOYEE + 2 GUEST SPACES):	4 SPACES
ADA ACCESSIBLE SPACES REQUIRED:	2 SPACES
SPACES PROVIDED:	31 SPACES
ADA ACCESSIBLE SPACES PROVIDED:	2 SPACES
BICYCLE SPACES REQUIRED:	1
BICYCLE SPACES PROVIDED:	4
LOT COVERAGES:	
NET LAND AREA:	41,335 SQ.FT. 100%
TOTAL IMPERVIOUS SURFACE AREA:	29,900 SQ.FT. 72%
TOTAL OPEN SPACE:	11,435 SQ.FT. 28%



LANDSCAPE COMPLIANCE:

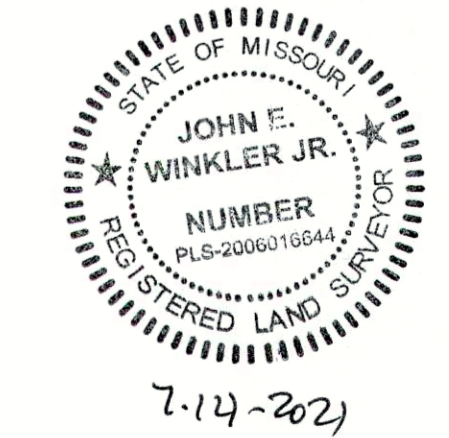
STREET FRONTAGE LANDSCAPING:		
(A) 1 TREE PER 40' STREET FRONTAGE IN INDUSTRIAL ZONING: (143' STREET FRONTAGE)		4 TREES
OPEN AREA LANDSCAPING		
(B) 1 TREE PER 4,000 SQUARE FEET OF OPEN SPACE (11,435)		3 TREES
PARKING AREA LANDSCAPING:		
(E) IF PARKING AREA CONTAINS MORE THAN 65' WIDE, INTERIOR LANDSCAPING MUST BE GREATER THAN 6% OF PARKING AREA WHERE AREA EQUALS NUMBER OF STALLS BY 270 SQUARE FEET REAR PARKING LOT GREATER THAN 65' WIDE AND CONTAINS 13 PARKING SPACES 6X*270*13 = 211 SQUARE FEET OF LANDSCAPING. PROVIDE A MEDIUM/LARGE TREE IN REAR YARD.		1 TREE

BIKE RACK DETAIL

LOCATION OF IMPROVEMENTS AS-BUILT



John E. Winkler Jr.
 Order No. 2481 Date: 7-14-2021



PROJECT TITLE:
 LANDMARK COOL
 SPRINGS LLC
 1024 COOL SPRINGS RD
 O'FALLON, MO 63366

Developer / Owner Information
 LANDMARK COOL SPRINGS LLC
 114 STONE RIDGE MEADOWS
 O'FALLON, MO 63366

City of O'Fallon Cover Sheet

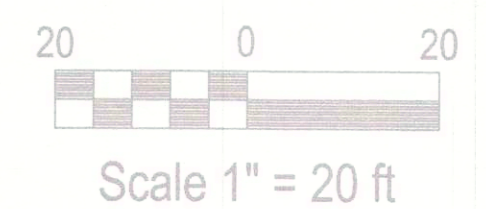
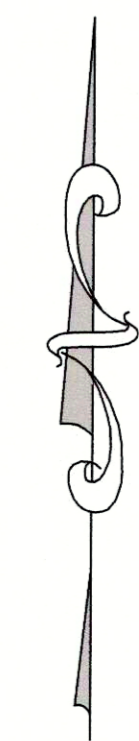
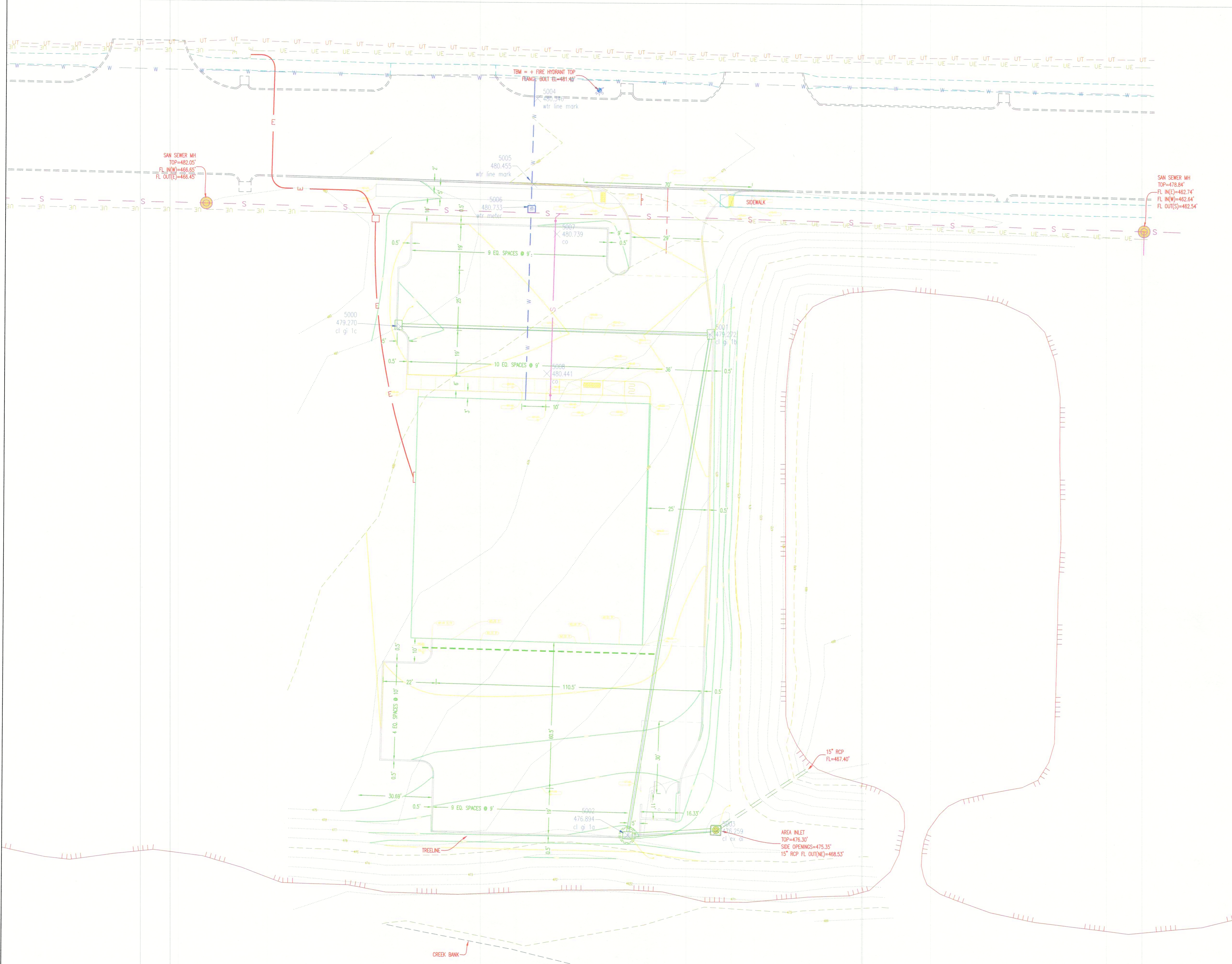
P+Z No. - 20-007735
 Approval Date: 10-2-2020

Permit No.

Page No.

CE2-SITE PLAN

1024 COOL SPRINGS RD IMPROVEMENT AS BUILT




LOCATION OF IMPROVEMENTS AS-BUILT

M **ETRON** 
 Surveying & Layout Co
 313 Wood Street
 O'Fallon, MO, 63366
 Ph: 314-432-5400 Fx: 636-294-5851

John E. Winkler Jr.
 John E. Winkler Jr. PLS-2006016644
 Order No. 9981 Date: 7-14-2021



7-14-2021

1024 COOL SPRINGS RD AS BUILT						
FOR: CITY OF OFALLON						
M ETRON 		REV.	DATE	DESCRIPTION	BY	CHK'D
314-432-5400 FAX: 636-294-5851		ORDER NO. 9981				
		DATE 7-14-2021				
		DRAWN J.A.W.				
		CHECKED J.E.W.				