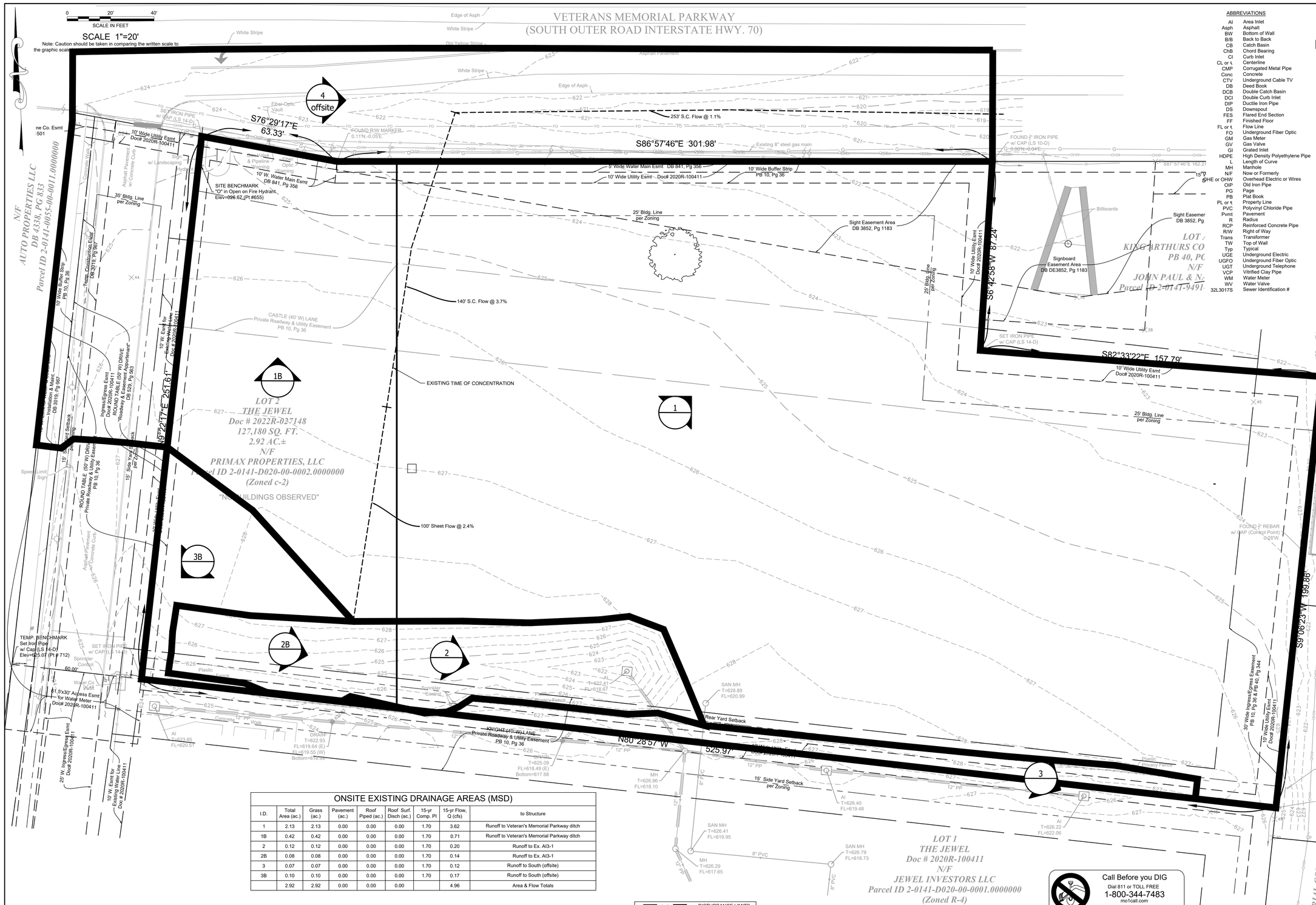

ABBREVIATIONS

AI	Area Inlet
Asph	Asphalt
BW	Bottom of Wall
B/B	Back to Back
CB	Catch Basin
ChB	Chord Bearing
CI	Curb Inlet
CL or ℄	Centerline
CMP	Corrugated Metal Pipe
Conc	Concrete
CTV	Underground Cable TV
DB	Deed Book
DCB	Double Catch Basin
DCI	Double Curb Inlet
DIP	Ductile Iron Pipe
DS	Downspout
FES	Flared End Section
FF	Finished Floor
FL or ↳	Flow Line
FO	Underground Fiber Optic
GM	Gas Meter
GV	Gas Valve
GI	Grated Inlet
HDPE	High Density Polyethylene Pipe
L	Length of Curve
MH	Manhole
N/F	Now or Formerly
OHE or OHW	Overhead Electric or Wires
OIP	Old Iron Pipe
PG	Page
PB	Plat Book
PL or ⅊	Property Line
PVC	Polyvinyl Chloride Pipe
Pvmt	Pavement
R	Radius
RCP	Reinforced Concrete Pipe
R/W	Right of Way
Trans	Transformer
TW	Top of Wall
Typ	Typical
UGE	Underground Electric
UGFO	Underground Fiber Optic
UGT	Underground Telephone
VCP	Vitrified Clay Pipe
WM	Water Meter
WV	Water Valve
32L3017S	Sewer Identification #

SYMBOLS

Clean Out
Catch Basin/Curb Inlet/Area Inlet
Double Catch Basin/Curb Inlet
Flared End Section
Grated Inlet
Manhole
Grated Manhole
HDS Unit
Drain
Sign
Light Standard
Utility Pole
Faucet
Fire Hydrant
Valve or Meter (Gas or Water)
Cable TV Box
Electric Co. Box
Electric Meter
Telephone Co Box
Traffic Signal
Traffic Signal Box
Deciduous Tree
Evergreen Tree
Bush
Test Hole/ Soil Boring
ADA Parking Space
Parking Space Count

ONSITE EXISTING DRAINAGE AREAS (MSD)

I.D.	Total Area (ac.)	Grass (ac.)	Pavement (ac.)	Roof Piped (ac.)	Roof Surf. Disch (ac.)	15-yr Comp. PI	15-yr Flow, Q (cfs)	to Structure
1	2.13	2.13	0.00	0.00	0.00	1.70	3.62	Runoff to Veteran's Memorial Parkway ditch
1B	0.42	0.42	0.00	0.00	0.00	1.70	0.71	Runoff to Veteran's Memorial Parkway ditch
2	0.12	0.12	0.00	0.00	0.00	1.70	0.20	Runoff to Ex. AI3-1
2B	0.08	0.08	0.00	0.00	0.00	1.70	0.14	Runoff to Ex. AI3-1
3	0.07	0.07	0.00	0.00	0.00	1.70	0.12	Runoff to South (offsite)
3B	0.10	0.10	0.00	0.00	0.00	1.70	0.17	Runoff to South (offsite)
	2.92	2.92	0.00	0.00	0.00		4.96	Area & Flow Totals

OFFSITE EXISTING DRAINAGE AREAS (MSD)

I.D.	Total Area (ac.)	Grass (ac.)	Pavement (ac.)	Roof Piped (ac.)	Roof Surf. Disch (ac.)	15-yr Comp. PI	15-yr Flow, Q (cfs)	to Structure
4	0.67	0.35	0.32	0.00	0.00	2.58	1.73	Runoff to Veteran's Memorial Parkway ditch
	0.67	0.35	0.32	0.00	0.00		1.73	Area & Flow Totals

THIS SHEET IS NOT FOR CONSTRUCTION. DRAINAGE EXHIBIT ONLY.

DISTURBANCE LIMITS

= DRAINAGE AREA I.D.

MSD DESIGN STORM:
15-yr., 20-min.:
Roof (piped) PI=4.20; Roof (surface discharge) PI-3.54,
Pavement PI=3.54; Grass PI=1.70.

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REVISIONS

1	04-01-22	EAS	Minor building/parking lot revisions, added HDS info
2	04-25-22	EAS	City of O'Fallon comments
3	05-03-22	EAS	MoDOT comments
4	05-13-22	EAS	BID SET

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Prepared for:
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CHARLOTTE, NC 28204

EXISTING DRAINAGE AREA MAP
RANGE USA INDOOR GUN RANGE

O'Fallon, MO 63366

D:\00-Veterans Memorial Parkway

Eric A. Skelton - Professional Engineer
(PE-2000150069)
STATE OF MISSOURI
ERIC A. SKELTON
NUMBER
E-2000150069
PROFESSIONAL ENGINEER
06-09-22

Designed	EAS
Drawn	EAS
Checked	EAS
Date	March 19, 2022
Project Number	21243
Sheet Number	C9.0 of _____