

**LEGEND**

EXISTING TREE LINE	
EXISTING CONTOURS	-----120-----
PROPOSED CONTOURS	-----120-----
EXISTING SANITARY SEWERS	
EXISTING STORM SEWERS	
CENTERLINE	-----
EASEMENT	-----
EXISTING SPOT ELEVATION	+ 120.15
PROPOSED SPOT ELEVATION	+ 120.10
DRAINAGE PATH	
TO BE REMOVED	(T.B.R.)
TO BE REMOVED & RELOCATED	(T.B.R. & R.)
TO BE ABANDONED & FILLED	(T.B.A. & F.)
TO BE USED IN PLACE	(U.I.P.)
EXISTING GAS MAIN	G-G-G
EXISTING WATER MAIN	W-W-W
EXISTING UNDERGROUND TELEPHONE	T-T-T
EXISTING FIRE HYDRANT	
EXISTING POWER POLE	
PROPOSED TREE LINE	
PROPOSED MANHOLE	●
PROPOSED AREA INLET	■
PROPOSED STORM	
FLARED END SECTION	
PROPOSED SANITARY	
SILT FENCE	
FIRE HYDRANT	
WATER VALVE	
THRUST BLOCK	
CONCRETE DRIVEWAY	
WALK-OUT LEFT HAND	WO-L
WALK-OUT RIGHT HAND	WO-R
LOOK-OUT LEFT HAND	LO-L
LOOK-OUT RIGHT HAND	LO-R
IN-GRADE LEFT HAND	IN-L
IN-GRADE RIGHT HAND	IN-R
TOP OF FOUNDATION	TF
BASEMENT FLOOR	BF

**BENCHMARK INFORMATION**

ADOPTED BENCHMARK IS MISSOURI DEPARTMENT OF NATURAL RESOURCES GRS STATION SC-13. THE STATION IS AN ALUMINUM DISK STAMPED "SC-13 1990" SET IN A 12 INCH DIAMETER CONCRETE MONUMENT APPROXIMATELY 3 MILES NORTHWEST OF HIGHWAY 94 ALONG WEST BOUND HIGHWAY 40 TO A FIELD ENTRANCE GOING NORTH AND THE STATION IS ON THE LEFT, 39.2 FEET SOUTHWEST OF THE CENTER OF TOP OF NORTHWEST END OF CORRUGATED METAL PIPE AND NORTHWEST OF CENTER OF FIELD ENTRANCE. ELEVATION = 499.34 (NAVD 88)

SITE BENCHMARK: IRON ROD WITH CAP MARKED "ZAVARADINOS L52281", LOCATED 111'± WEST AND 15'± SOUTH OF NE PROPERTY CORNER, ALONG NORTH PROPERTY LINE OF SITE. ELEVATION = 499.54 (NAVD 88)

**UTILITY INFORMATION:**

UTILITIES SHOWN HAVE BEEN TAKEN FROM AVAILABLE SURVEYS, UTILITY COMPANY MAPS AND PHYSICAL PROPERTY INSPECTION. THE LOCATIONS AND FACILITIES SHALL BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE ADDITIONAL UTILITIES THAT HAVE NOT BEEN SHOWN ON THIS SURVEY. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE LOCATIONS OF ALL UTILITIES PRIOR TO EXCAVATION OR CONSTRUCTION.

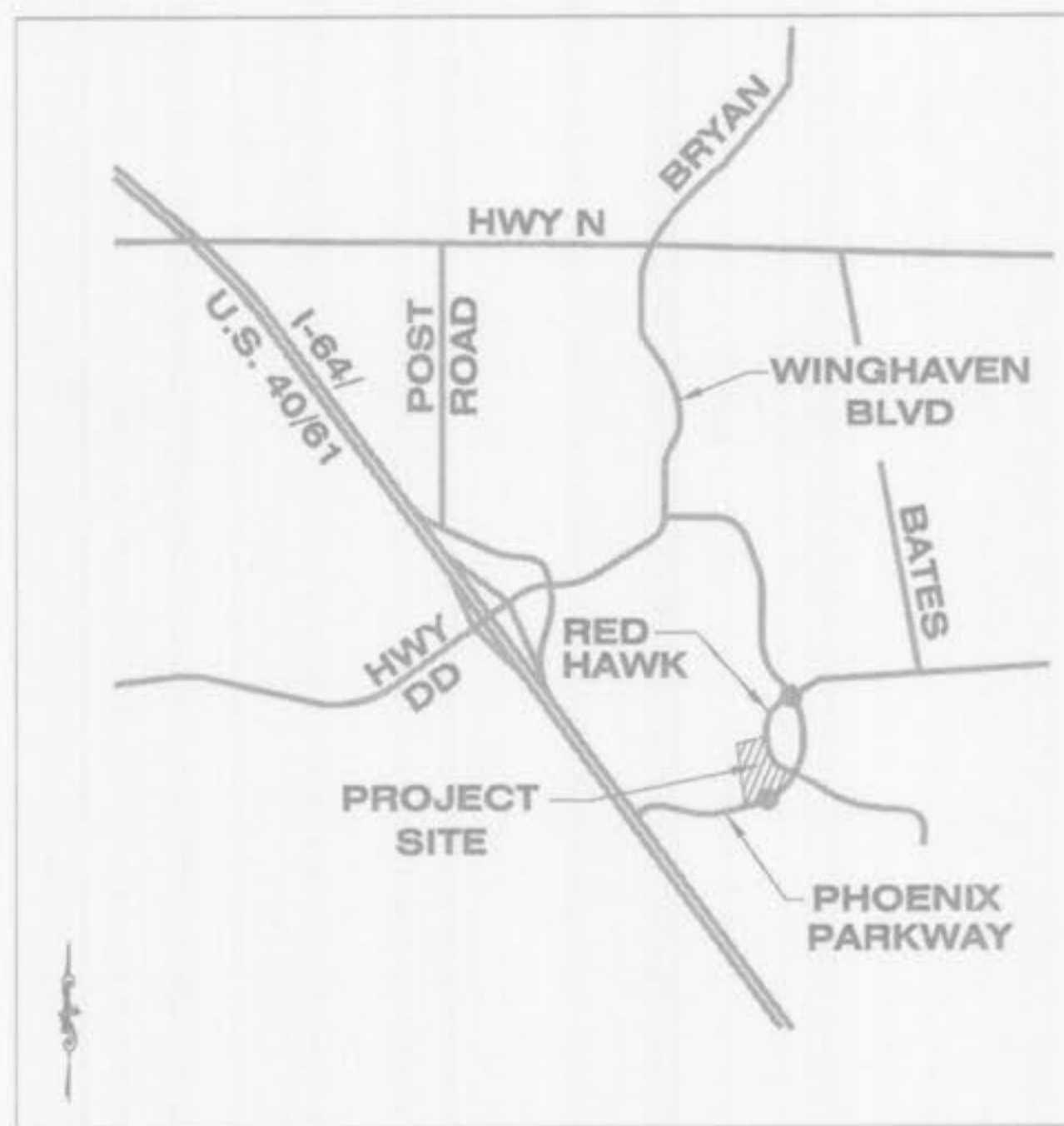


CALL 1-800-DIG-RITE (MISSOURI ONE CALL) TO HAVE LOCATIONS MARKED IN THE FIELD (SUBSCRIBING UTILITIES REQUIRE 48 HOURS NOTICE PRIOR TO CONSTRUCTION).

# PARK AVENUE VILLAGE

A TRACT OF LAND BEING PART OF  
U.S. SURVEY 1641, TOWNSHIP 46 NORTH, RANGE 2 EAST,  
CITY OF O'FALLON, ST. CHARLES COUNTY, MISSOURI

## AS-BUILT PLANS IMPROVEMENT PLANS



**LOCATION MAP**  
NOT TO SCALE

**PERTINENT DATA**

SITE ACREAGE	=	8.002 Ac.
EXISTING ZONING	=	MUTD MIXED USE TRADITIONAL
SCHOOL DISTRICT	=	WENTZVILLE SCHOOL DISTRICT
WUNNENBERG'S	=	GRID UU-21, PG.55
ZIP CODE:	=	63368
PARCEL ID:	=	4-069B-5614-00-1.51 2-0130-1641-00-3.3
PROPOSED LOTS:	=	31
FRONT BUILDING SETBACK	=	20 FT
REAR YARD BUILDING SETBACK	=	15 FT
SIDE YARD SETBACK	=	6 FT

**UTILITIES**

<b>GAS:</b>	LACLEDE GAS COMPANY 3950 FORCST PARK AVE. ST. LOUIS, MO 63108 (314) 658-5449	<b>TELEPHONE:</b>	AT&T 402 NORTH THIRD STREET ST. CHARLES, MO 63301 (636) 949-1301
<b>SEWER:</b>	DUCKETT CREEK 3550 HIGHWAY K O'FALLON, MO 63368 (636) 441-1244	<b>FIRE DIST:</b>	WENTZVILLE FIRE DISTRICT 209 WEST PEARCE BLVD. WENTZVILLE, MO 63365 (636) 327-6239
<b>ELECTRIC:</b>	AMEREN UE 2100 BLUESTONE DRIVE ST. CHARLES, MO 63301 (836) 925-3235	<b>SCHOOL DIST:</b>	WENTZVILLE R-IV SCHOOL DISTRICT ONE CAMPUS DRIVE WENTZVILLE, MO 63385 (636) 327-3800
<b>WATER:</b>	PUBLIC WATER SUPPLY DISTRICT NO. 2 100 WATER DR. P.O. BOX 967 O'FALLON, MO 63366 (636) 561-3737 EXT. 131	<b>NEAREST MAJOR INTERSECTION:</b>	PHOENIX PARKWAY & RED HAWK PLACE

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 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 DESIGNATED EXISTING OR PROPOSED EASEMENTS EXCEPT AS FOLLOWS:  
**COLE & ASSOCIATES INC. L.S. 266-D**  
**PROJECT NO. 07-075 (SEWER AS-BUILTS ONLY)**



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"AS-BUILT" 07-11-08

**INDEX**

		REVISIONS					
		1	2	3	4	5	6
C1.0	COVER SHEET	●	●	●	●	●	●
C2.0	SPECIFICATION SHEET	●	●	●	●	●	●
C2.1	SPECIFICATION SHEET	●	●	●	●	●	●
C3.0	SITE PLAN	●	●	●	●	●	●
C4.0	GRADING PLAN	●	●	●	●	●	●
C5.0	STORM SEWER PLAN	●	●	●	●	●	●
C5.1	SANITARY SEWER PLAN	●	●	●	●	●	●
C5.2	WATER PLAN	●	●	●	●	●	●
C6.0	STREET PROFILES	●	●	●	●	●	●
C7.0	WARPING DETAILS	●	●	●	●	●	●
C8.0	SANITARY SEWER PROFILES	●	●	●	●	●	●
C9.0	STORM SEWER PROFILES	●	●	●	●	●	●
C10.0	RESIDENTIAL GRADING TEMPLATES	●	●	●	●	●	●
C10.1	SANITARY SEWER DETAILS	●	●	●	●	●	●
C10.2	SANITARY SEWER DETAILS	●	●	●	●	●	●
C10.3	SANITARY SEWER DETAILS	●	●	●	●	●	●
C10.4	SANITARY SEWER DETAILS	●	●	●	●	●	●
C10.5	STORM SEWER DETAILS	●	●	●	●	●	●
C10.6	STORM SEWER DETAILS	●	●	●	●	●	●
C10.7	SITE DETAILS	●	●	●	●	●	●
C10.8	SITE DETAILS	●	●	●	●	●	●
C10.9	SITE DETAILS	●	●	●	●	●	●
C10.10	WATER DETAILS	●	●	●	●	●	●
C10.11	WATER DETAILS	●	●	●	●	●	●
C10.12	UTILITY CROSS SECTIONS	●	●	●	●	●	●
C10.13	RETAINING WALL / SIGHT DISTANCE PROFILES	●	●	●	●	●	●
C11.0	DRAINAGE AREA MAP	●	●	●	●	●	●
C12.0	LANDSCAPING PLAN	●	●	●	●	●	●

THE OWNER/DEVELOPER ASSUMES FULL RESPONSIBILITY AS TO THE PERFORMANCE OF THE GRADING OPERATION AND THEY PROVIDE ASSURANCE THAT ALL OFF-SITE PROPERTIES AND COUNTY ROADS WILL BE ADEQUATELY PROTECTED.

OWNER/DEVELOPER SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_



PLANNING AND DEVELOPMENT DEPARTMENT FILE #9831.57 (AREA PLAN-APPROVED MAY 24TH, ORDINANCE #5178) - 9831.57.01 (FINAL PLAN)

DESIGNED BY: CJB  
DRAWN BY: KDK  
CHECKED BY: JFH  
DATE: 11/6/07  
Job Number: 07-075  
Sheet Number: C1.0

REVISIONS:

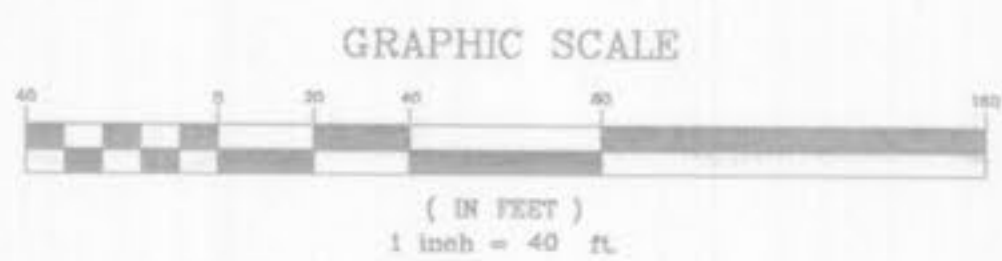
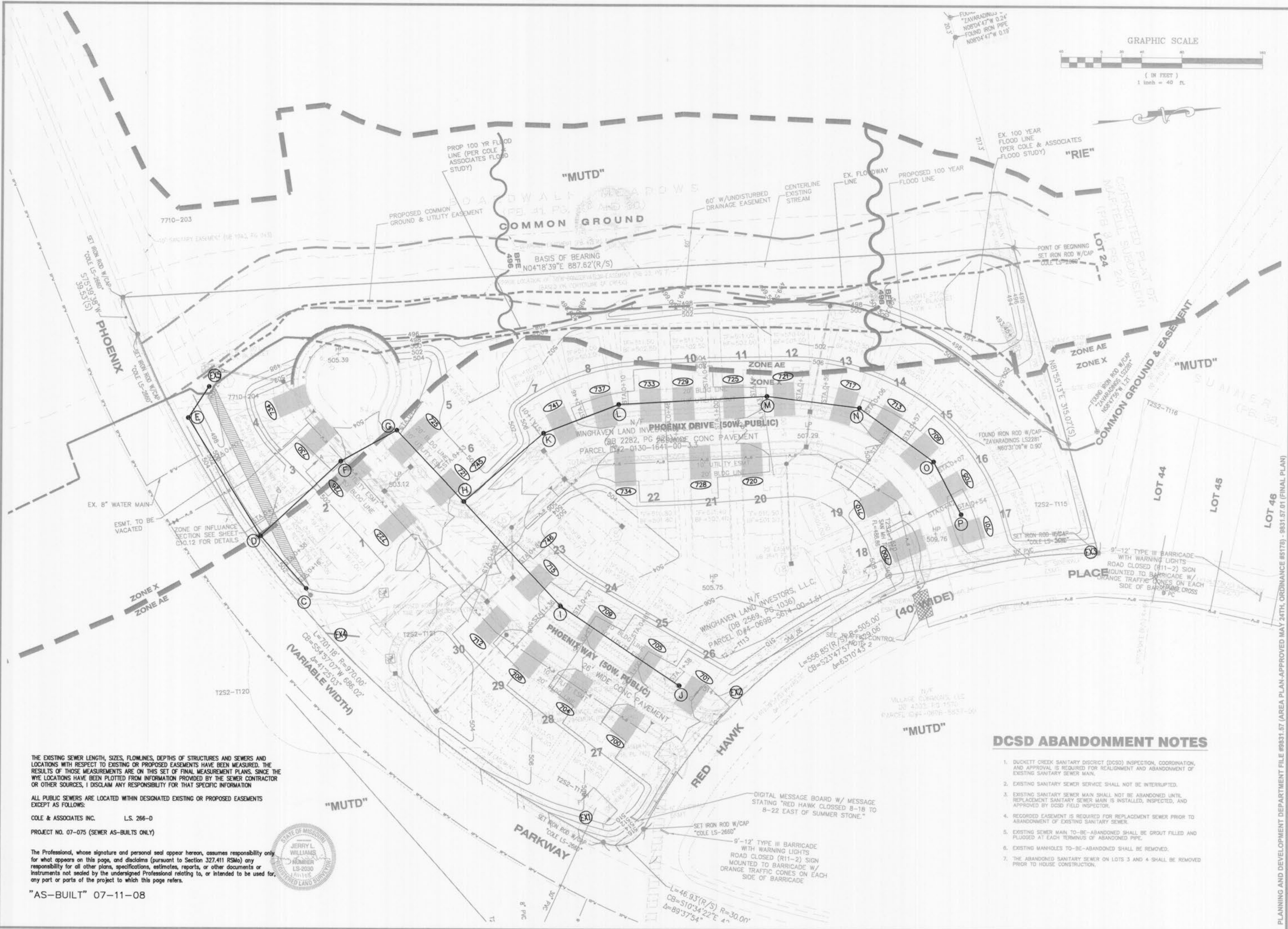
DATE	BY	REVISIONS
07/17/2008	AS	CITY OF O'FALLON PERMS. # 0030 COMMENTS
07/17/2008	AS	CITY OF O'FALLON PERMS. # 0030 COMMENTS
07/17/2008	AS	CITY OF O'FALLON PERMS. # 0030 COMMENTS
07/17/2008	AS	CITY OF O'FALLON PERMS. # 0030 COMMENTS

DEVELOPER/OWNER: THE VILLAGE AT PARK PLACE, L.L.C. 1001 BOARDWALK SPRINGS PL O'FALLON, MO 63366 PHONE: (636) 561-9323

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COLE and ASSOCIATES INCORPORATED  
10777 Sunset office drive  
saint louis, missouri 63127  
p: 314 984 9867 t: 314 984 0587





DATE	REVISIONS
07/11/08	AS-BUILT
07/11/08	AS-BUILT
07/11/08	AS-BUILT
07/11/08	AS-BUILT

DEVELOPER/OWNER:  
**THE VILLAGE AT PARK PLACE LLC**  
1001 BOARDWALK SPRINGS PL  
OFALLON, MO 63366  
PHONE: (636) 561-9323

SCALE:  
**PARK AVENUE VILLAGE IMPROVEMENT PLANS**  
PHOENIX PARKWAY  
OFALLON, MO

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DRAWN BY: KDK  
CHECKED BY: JFH  
DATE: 11/6/07

Job Number: **07-075**  
Sheet Number: **C5.1**

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"AS-BUILT" 07-11-08

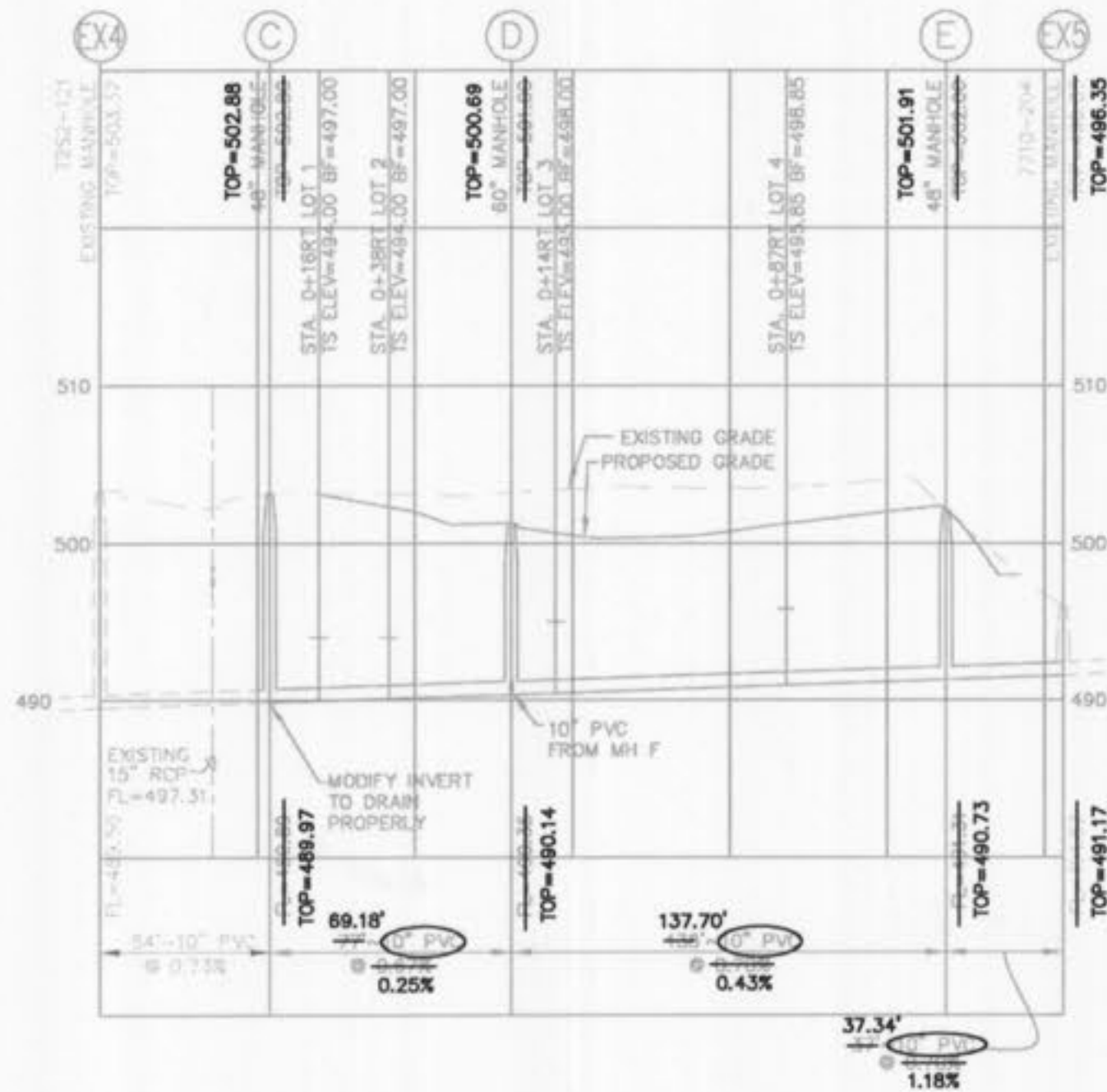
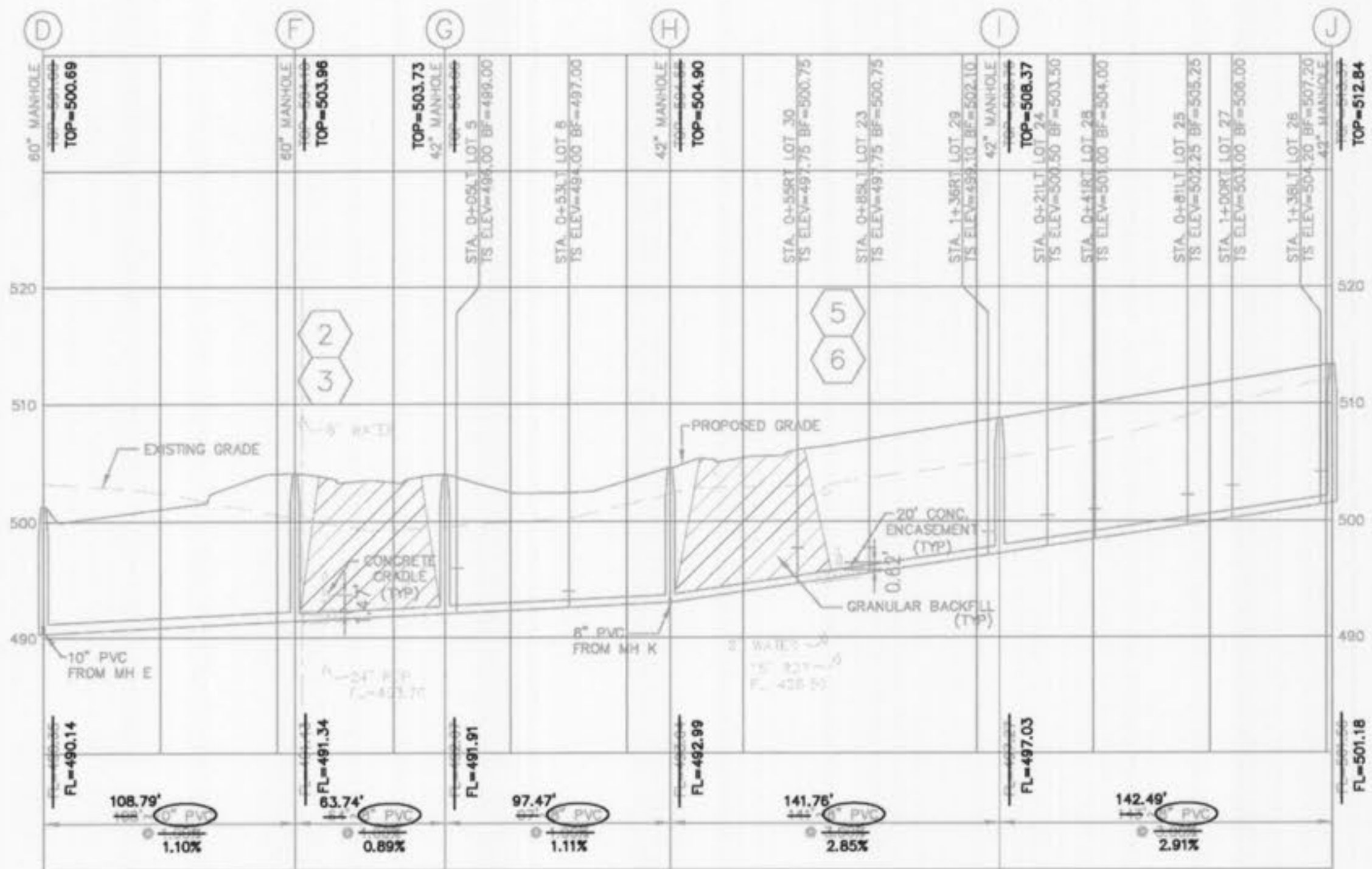
**DCSD ABANDONMENT NOTES**

1. DUCKETT CREEK SANITARY DISTRICT (DCSD) INSPECTION, COORDINATION, AND APPROVAL IS REQUIRED FOR REALIGNMENT AND ABANDONMENT OF EXISTING SANITARY SEWER MAIN.
2. EXISTING SANITARY SEWER SERVICE SHALL NOT BE INTERRUPTED.
3. EXISTING SANITARY SEWER MAIN SHALL NOT BE ABANDONED UNTIL REPLACEMENT SANITARY SEWER MAIN IS INSTALLED, INSPECTED, AND APPROVED BY DCSD FIELD INSPECTOR.
4. RECORDED EASEMENT IS REQUIRED FOR REPLACEMENT SEWER PRIOR TO ABANDONMENT OF EXISTING SANITARY SEWER.
5. EXISTING SEWER MAIN TO BE ABANDONED SHALL BE GROUT FILLED AND PLUGGED AT EACH TERMINUS OF ABANDONED PIPE.
6. EXISTING MANHOLES TO BE ABANDONED SHALL BE REMOVED.
7. THE ABANDONED SANITARY SEWER ON LOTS 3 AND 4 SHALL BE REMOVED PRIOR TO HOUSE CONSTRUCTION.

DIGITAL MESSAGE BOARD W/ MESSAGE STATING "RED HAWK CLOSED 8-18 TO 8-22 EAST OF SUMMER STONE."

9'-12" TYPE III BARRICADE WITH WARNING LIGHTS ROAD CLOSED (R11-2) SIGN MOUNTED TO BARRICADE W/ ORANGE TRAFFIC CONES ON EACH SIDE OF BARRICADE CROSS

L=46.93'(R/S) R=30.00'  
CB=S10°34'22"E  
Δ=89°37'54"



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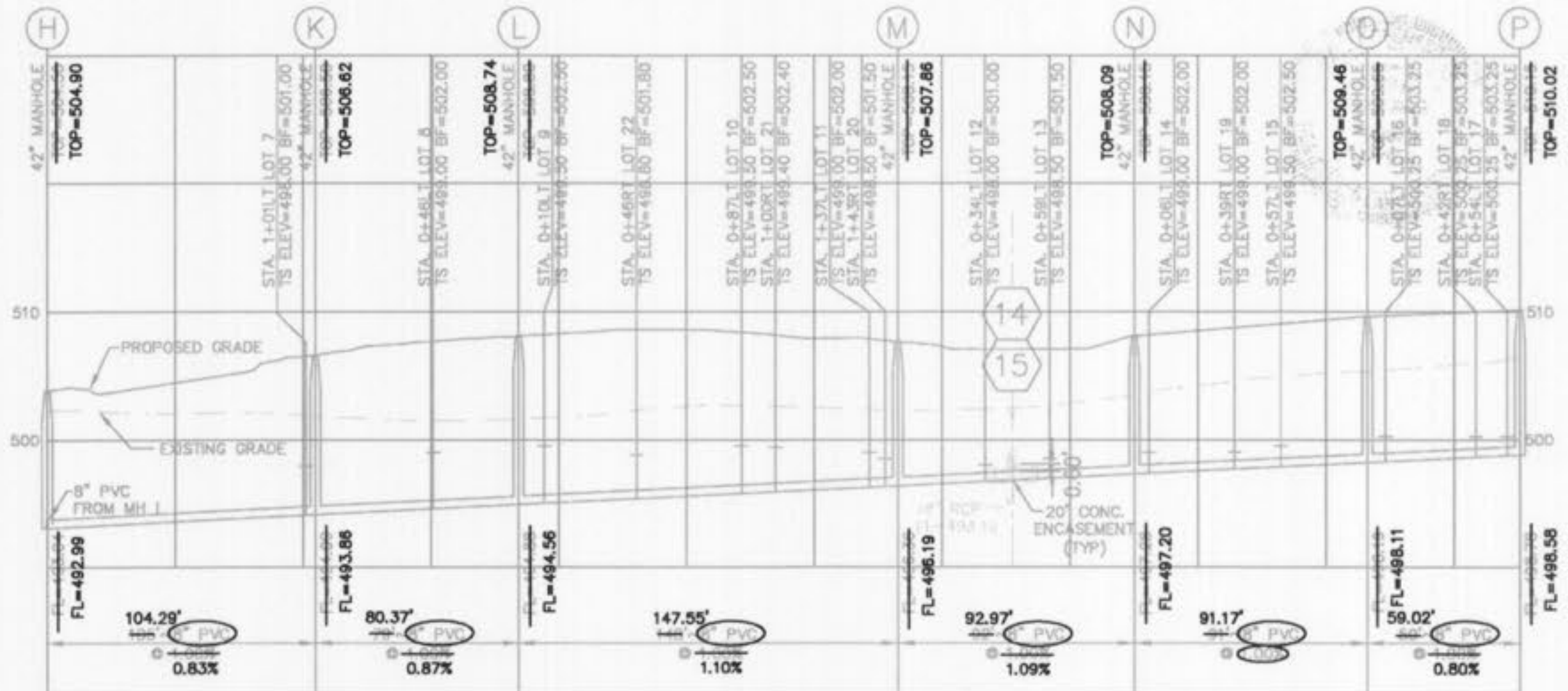
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"AS-BUILT" 07-11-08

### WATER JETTING NOTES

- WATER JETTING, GRANULAR MATERIALS AND EARTH MATERIAL ASSOCIATED WITH NEW CONSTRUCTION/OUTSIDE OF PAVEMENTS MAY BE JETTED, TAKING CARE TO AVOID DAMAGE TO NEWLY LAID SEWERS. THE JETTING SHALL BE PERFORMED WITH A PROBE ROUTE ON NOT GREATER THAN 7.5 FOOT CENTERS WITH THE JETTING PROBE CENTERED OVER AND PARALLEL WITH THE DIRECTION OF THE PIPE. TRENCH WIDTHS GREATER THAN 10-FEET WILL REQUIRE MULTIPLE PROBES EVERY 7.5 FOOT CENTERS.
- DEPTH TRENCH BACKFILL LESS THAN 8- FEET IN DEPTH SHALL BE PROBED TO A DEPTH EXTENDING TO HALF THE DEPTH OF THE TRENCH BACKFILL BUT NOT LESS THAN 3- FEET. TRENCH BACKFILL GREATER THAN 8- FEET IN DEPTH SHALL BE PROBED TO HALF THE DEPTH OF THE TRENCH BACKFILL BUT NOT GREATER THAN 8- FEET.
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  - SURFACE BRIDGING, THE CONTRACTOR SHALL IDENTIFY THE LOCATIONS OF THE SURFACE BRIDGING (THE TENDENCY FOR THE UPPER BACKFILL CRUST TO ARCH OVER THE TRENCH RATHER THAN COLLAPSE AND CONSOLIDATE DURING THE JETTING PROCESS). THE CONTRACTOR SHALL BREAKDOWN THE BRIDGE AREAS USING AN APPROPRIATE METHOD SUCH AS WHEELS OR BUCKET OF A BACKHOE. WHEN THE SURFACE CRUST IS COLLAPSED, THE VOID SHALL BE BACKFILLED WITH THE SAME MATERIAL USED AS TRENCH BACKFILL AND RE- JETTED. COMPACTION OF THE MATERIALS WITHIN THE SUNKEN/JETTED AREA SHALL BE COMPACTED SUCH THAT NO FURTHER SUBSURFACE SUBSIDENCE OCCURS.

NOTE:  
 1. EXISTING SANITARY SERVICE SHALL NOT BE INTERRUPTED



SCALE:  
 1" = 50' HORIZ.  
 1" = 10' VERT.

PLANNING AND DEVELOPMENT DEPARTMENT FILE #9831.57 (AREA PLAN-APPROVED MAY 24TH, ORDINANCE #5178) - 9831.57.01 (FINAL PLAN)

PARK AVENUE VILLAGE  
 IMPROVEMENT PLANS  
 PHOENIX PARKWAY  
 OTTAWA, MO

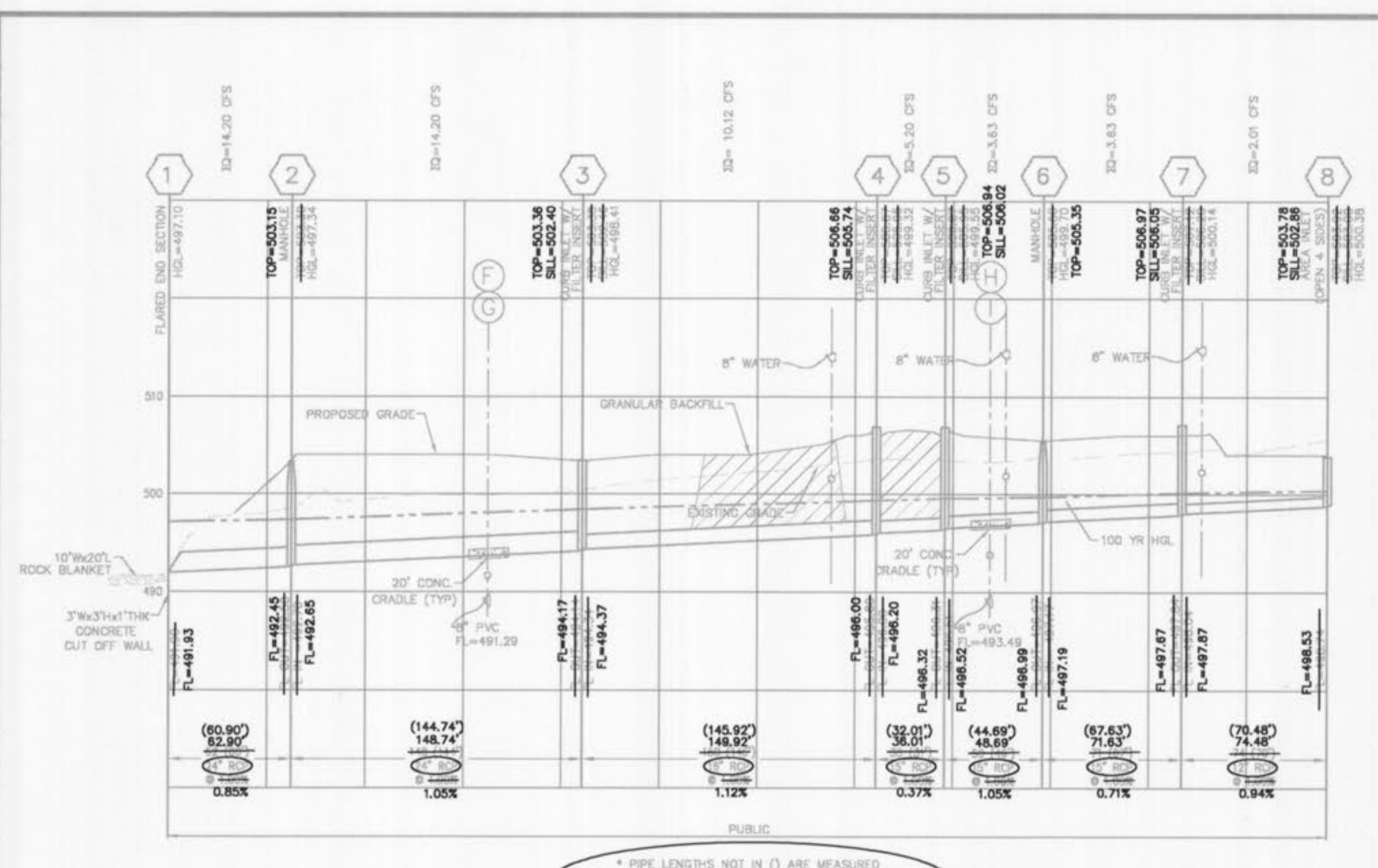
planning • engineering • surveying • landscape architecture  
**Cole and Associates**  
 INCORPORATED  
 10777 sunset office drive  
 saint louis, missouri 63127  
 p: 314 984 9887 f: 314 984 0587

DESIGNED BY: CJB  
 DRAWN BY: KDK  
 CHECKED BY: JFH  
 DATE: 11/6/07  
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 Sheet Number: C8.0

DATE	BY	REVISIONS
07/17/2008	AS	CITY OF OTTAWA/PKNO. #2008 COMMENTS
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APPROVED FOR THE PROJECT BY:  
 THE VILLAGE AT PARK PLACE, LLC.  
 1001 BOARDWALK SPRINGS PL  
 OTTAWA, MO 63366  
 PHONE: (636) 561-9323

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NOTE: CONCRETE PIPE JOINTS SHALL BE MSD TYPE "A" APPROVED COMPRESSION-TYPE JOINTS AND SHALL CONFORM TO THE REQUIREMENTS OF THE SPECIFICATIONS FOR JOINTS FOR CIRCULAR CONCRETE SEWER AND CULVERT PIPE, USING FLEXIBLE, WATER-TIGHT, RUBBER-TYPE GASKETS ASTM C443. BAND-TYPE GASKETS DEPENDING ENTIRELY ON CEMENT FOR ADHESION AND RESISTANCE TO DISPLACEMENT DURING JOINTING SHALL NOT BE USED.

ALL STORM SEWER PIPES SHALL BE REINFORCED CONCRETE PIPE, CLASS II MINIMUM. ANY CONCRETE PIPE, CONDUIT, OR CULVERT BENEATH A STREET RIGHT-OF-WAY OR WITH REASONABLE PROBABILITY OF BEING SO LOCATED SHALL BE A MINIMUM OF CLASS III, BUT ALSO SHALL ACCOUNT FOR ALL VERTICAL LOADS. IN NO CASE SHALL THE DESIGN PROVIDE FOR LESS THAN HS-20 LOADING PER AASHTO. FOR OTHER LOCATIONS, THE MINIMUM DESIGN LIVE LOAD SHALL BE THE HS-10 LOADING.

STORM SEWER PIPES WHICH CROSS OVER EXISTING OR PROPOSED SANITARY SEWER TRENCHES SHALL BE CRADLED IN CONCRETE THROUGH THE FULL WIDTH OF THE SANITARY SEWER TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED WITH GRANULAR FILL TO THE BOTTOM OF THE CONCRETE CRADLE.

IF THE STORM AND SANITARY SEWERS ARE PARALLEL AND IN THE SAME TRENCH OR OVER-DIG, THE UPPER PIPE SHALL BE PLACED ON A SHELF AND THE LOWER PIPE SHALL BE BEDDED IN COMPACTED GRANULAR FILL TO THE FLOWLINE OF THE UPPER PIPE.

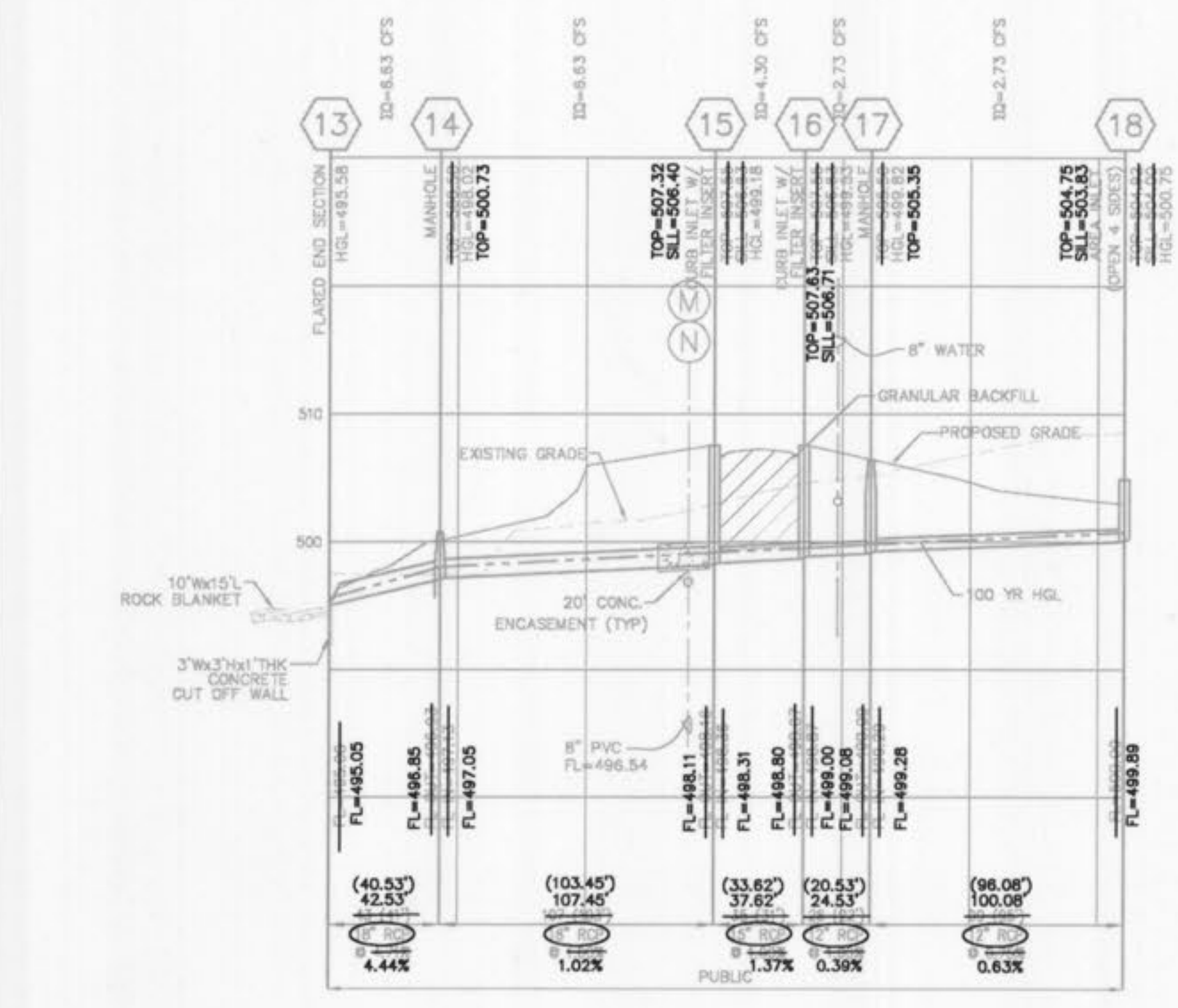
BRICK SHALL NOT BE USED IN THE CONSTRUCTION OF STORM SEWER STRUCTURES

ALL CONCRETE PIPES WILL BE INSTALLED WITH O-RING RUBBER TYPE GASKETS

CONNECTIONS AT ALL STORM SEWER STRUCTURES TO BE MADE WITH A-LOK JOINT OR EQUAL.

REFER TO SHEET C10.6 FOR WATER-QUALITY INSERT "ULTRA-URBAN FILTER WITH SMART SPONGE INSIDE" TO BE INSTALLED IN ALL CURB INLETS.

\* PIPE LENGTHS NOT IN ( ) ARE MEASURED CL TO CL OF STRUCTURES. THE PIPE SLOPE IS MEASURED USING THE PIPE LENGTH IN ( ).



- NOTES:
- STORM REACH 1-8 PREVIOUSLY CONSTRUCTED AS PART OF THE MASS GRADING PLANS.
  - REFER TO SHEET C10.6 FOR WATER QUALITY INSERT "ULTRA-URBAN FILTER WITH SMART SPONGE INSIDE" TO BE INSTALLED IN ALL CURB INLETS.

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"AS-BUILT" 07-11-08

Title: Conduit FlexTable: Hydraulic Calculations (stormcad.stc)

Current Time: 0.000 min

Label	Diameter (in)	Length (ft)	Manning's n	Bend Angle (degrees)	Slope (ft/ft)	Flow (ft <sup>3</sup> /s)	Excess Capacity (ft <sup>3</sup> /s)	Capacity (Full Flow) (ft <sup>3</sup> /s)	Velocity (ft/s)	Velocity (ft/s)	Downstream Structure	Elevation Ground (ft)	Hydraulic Grade Line (ft)	Invert (Downstream) (ft)	Upstream Structure	Hydraulic Grade Line (ft)	Elevation Ground (ft)	Invert (Upstream) (ft)	Freeboard (ft)	
1-2	24	82	0.013	0	5.01	14.2	8.42	22.62	4.52	4.52	1	494	497.1	491.9	2	497.34	503.3	492.53	5.96	
2-3	24	148	0.013	37.13	0	14.2	8.42	22.62	4.52	4.52	2	503.3	497.34	492.53	3	492.58	502.46	494.16	4.53	
3-4	18	150	0.013	0	0.011	10.56	0.38	10.5	5.73	5.73	3	502.4	497.83	492.53	4	499.32	505.95	492.52	6.63	
3-9	15	35	0.013	89.62	0.01	2.42	4.92	6.46	3.96	4.89	3	502.46	497.83	492.53	9	498.60	502.46	498.23	3.61	
4-10	12	38	0.013	12.73	0.047	3.13	4.36	3.99	3.99	3.99	4	505.95	499.32	495.91	10	499.61	508.05	497.68	8.59	
4-5	15	35	0.013	90	0.01	5.2	1.26	6.46	4.24	4.24	4	505.95	499.32	495.91	5	499.55	505.95	496.33	6.40	
5-6	15	50	0.013	48.58	0.01	3.63	2.83	6.46	2.96	2.96	5	505.95	499.32	496.49	6	499.2	505.5	496.99	5.89	
6-7	15	71	0.013	48.29	0.01	3.63	2.83	6.46	3.78	3.78	6	505.95	499.32	497.13	7	499.97	506.2	497.86	6.51	
7-12	15	35	0.013	84.11	0.01	0.99	5.47	5.56	3.02	3.85	7	506.05	501.62	501.62	12	502.36	506.2	501.97	3.94	
7-8	12	74	0.013	81.35	0.01	2.01	1.39	3.56	2.56	2.56	7	506.05	501.62	498.02	8	500.38	503	498.76	2.62	
10-11	12	103.2	0.013	72.87	0.01	3.13	0.43	3.56	3.99	3.99	10	508.2	499.61	497.74	11	500.41	503	498.77	3.99	
11-19	12	23	0.013	1.49	0.01	0.99	2.8	3.56	0.97	0.97	11	503	500.41	498.77	19	500.42	504.16	499.16	2.74	
13-14	18	44	0.013	0	0.009	14.64	6.32	18.14	22.72	5.32	10.47	13	497	495.98	495	14	499.02	505.5	497.02	7.48
14-15	18	107.5	0.013	0	0.011	6.63	3.87	10.5	5.32	6.29	14	505.5	497.02	497.11	15	500.37	506.05	498.16	7.45	
15-16	15	35	0.013	4.57	0.01	4.3	2.16	6.46	4.5	5.63	15	506.05	499.09	498.34	16	499.53	506.05	498.69	7.10	
16-17	12	24.5	0.013	43.12	0.01	2.73	0.83	3.56	4.39	5	16	506.05	499.53	498.85	17	499.82	505.5	499.11	5.68	
17-18	12	99	0.013	52.07	0.007	2.73	0.35	3.08	4.43	4.59	17	505.5	499.82	499.26	18	500.75	504	500.02	2.45	

As-built 100-yr Hydraulic Calculations  
Park Avenue Village 07-0075

Label	Diameter (in)	Length (ft)	Manning's n	Bend Angle (degrees)	Slope (ft/ft)	Flow (ft <sup>3</sup> /s)	Excess Capacity (ft <sup>3</sup> /s)	Capacity (Full Flow) (ft <sup>3</sup> /s)	Velocity (ft/s)	Velocity (ft/s)	Downstream Structure	Elevation Ground (ft)	Hydraulic Grade Line (ft)	Invert (Downstream) (ft)	Upstream Structure	Hydraulic Grade Line (ft)	Elevation Ground (ft)	Invert (Upstream) (ft)	Freeboard (ft)
1-2	24	82.9	0.013	0	0.009	14.64	6.32	20.96	4.66	4.66	1	497.15	495.53	491.93	2	495.79	503.15	492.47	7.36
2-3	24	148.7	0.013	37.13	0.01	14.64	8.53	23.17	4.66	4.66	2	503.15	495.79	492.63	3	496.42	502.4	494.19	5.98
3-4	18	149.9	0.013	0	0.011	10.56	0.53	11.09	5.98	5.98	3	502.4	496.42	494.35	4	497.93	505.74	496.02	7.81
3-9	15	35.7	0.013	89.62	0.013	2.42	4.92	7.34	3.96	4.85	3	502.4	498.41	497.88	9	498.85	502.41	498.34	3.56
4-10	12	38.5	0.013	12.73	0.044	3.57	3.89	7.46	5.26	4.55	4	505.74	497.93	496.11	10	498.61	508.05	497.8	9.44
4-5	15	36	0.013	90	0.004	5.2	-1.17	4.03	4.24	4.24	4	505.74	497.93	496.19	5	498.17	506.02	496.33	7.85
5-6	15	48.7	0.013	48.58	0.01	3.63	2.98	6.61	2.96	2.96	5	506.02	498.17	496.5	6	498.32	505.35	497.01	7.03
6-7	15	71.6	0.013	48.29	0.007	3.63	1.87	5.5	4.58	3.07	6	506.05	498.32	497.17	7	498.46	506.05	497.69	7.99
7-12	15	36	0.013	84.11	0.01	0.99	5.56	6.55	3.02	3.85	7	506.05	501.75	501.42	12	502.18	505.99	501.79	3.81
7-8	12	74.5	0.013	81.35	0.009	2.01	1.39	3.4	4.04	2.56	7	506.05	501.75	497.85	8	499.14	502.88	498.53	3.74
10-11	12	103.2	0.013	72.87	0.008	3.57	-0.32	3.25	4.6	5.26	10	508.05	498.7	497.89	11	499.71	502.85	498.75	3.14
11-19	12	55.4	0.013	90	0.01	1.2	2.32	3.52	3.38	1.78	11	502.85	498.7	498.91	19	499.91	502.72	499.45	2.81
13-14	18	42.5	0.013	0	0.044	6.63	15.51	22.14	3.75	3.75	13	497.05	500.2	495.05	14	500.37	500.73	496.94	6.36
14-15	18	107.5	0.013	64.64	0.01	6.63	4	10.63	3.75	3.75	14	500.73	500.37	497.03	15	500.8	506.4	498.13	5.6
15-16	15	37.6	0.013	4.57	0.014	4.3	3.44	7.74	3.5	3.5	15	506.4	500.73	498.28	16	500.96	506.71	498.82	5.75
16-17	12	24.5	0.013	43.12	0.004	2.73	-0.46	2.27	3.48	3.48	16	506.71	500.96	498.99	17	501.11	505.35	499.09	4.24
17-18	12	100.1	0.013	52.07	0.006	2.73	0.07	2.8	3.48	3.48	17	505.35	501.11	499.27	18	501.7	503.83	499.89	2.13

SCALE:  
1" = 50' HORIZ.  
1" = 10' VERT.

PLANNING AND DEVELOPMENT DEPARTMENT FILE #9831.57 (AREA PLAN-APPROVED MAY 24TH, ORDINANCE #5178) - 9831.57.07 (FINAL PLAN)

DESIGNED BY: CJB  
DRAWN BY: KDK  
CHECKED BY: JFH  
DATE: 11/6/07  
Job Number: 07-075  
Sheet Number: C9.0

REVISIONS:

DATE	BY	DESCRIPTION
07/14/2008	A	CITY OF OTTAWAN/PROJ. #/ASSESS. COMMENTS
08/14/2008	A	CITY OF OTTAWAN/PROJ. #/ASSESS. COMMENTS
09/11/2008	A	CITY OF OTTAWAN/PROJ. #/ASSESS. COMMENTS
09/22/2008	A	CITY OF OTTAWAN/PROJ. #/ASSESS. COMMENTS

DEVELOPER/OWNER:  
THE VILLAGE AT PARK PLACE, LLC.  
1001 BOARDWALK SPRINGS PL  
OFALLON, MO 63366  
PHONE: (636) 561-9323

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STATE OF MISSOURI  
JERRY L. WILLIAMS  
REGISTERED PROFESSIONAL ENGINEER  
NUMBER LS-2030  
EXPIRES 11/15/15  
CAND. STATE OF MISSOURI

COLE & ASSOCIATES INC. L.S. 266-D  
10777 sunset office drive  
saint louis, missouri 63127  
p. 314.964.9687 f. 314.964.0587

STORM SEWER PROFILES