LEGEND

BENCH MARK	BM	EXISTING CURB INLET	
CONTROL POINT	△	NEW CURB INLET & CURB	
POWER POLE	PP	EXISTING CURB & GUTTER	
UTILITY POLE			
WATER METER	WM		
WATER VALVE	WV		
GAS METER	GM		
GAS VALVE	GV		
ELECTRIC TRANSFORMER	ELEC. TRANS.	EXISTING INLET	
TELEPHONE PEDESTAL	TEL. PED.	EXISTING BUILDING	
AIR CONDITIONER	A/C		
EXISTING MANHOLE	MH	EXISTING JUNCTION BOX	
NEW MANHOLE	MH	NEW JUNCTION BOX	
EXISTING TREE (DIA)		EXISTING SEWER LINE	
EXISTING UNDERGROUND ELECTRIC	UGE	NEW SEWER LINE	
EXISTING FENCE	X	GROUTED RIP-RAP STONE	
EXISTING GAS	G	GRANULAR FILL	
EXISTING OVERHEAD ELECTRIC	OHE	NON-GROUTED RIPRAP	
EXISTING OVERHEAD POWER	OHP	GRAVEL	
EXISTING SANITARY SEWER	SAN	SLOPE INDICATORS	
EXISTING OVERHEAD TELEPHONE	OHT		
EXISTING WATER	W		

LINE LEGEND

PROPERTY LINE		TEMPORARY EASEMENT	T/E
EXISTING EASEMENT		PERMANENT EASEMENT	P/E
CENTER LINE ROAD/CHANNEL	C/L	SILT FENCE	
REGRADING LIMITS			
CONSTRUCTION LIMITS	C/L		

DRAINAGE TABLE

	DRAINAGE AREA	2-YEAR FLOW	10-YEAR FLOW	100-YEAR FLOW
POINT	ACRES	CFS	CFS	CFS
1	77.44	1300	2220	4170
2	35.84	1208	2060	3890
3	94.08	1205	2075	3594
4	144.64	681	1256	2260
5	51.2	506	1700	2550
-	-	-	-	-
-	-	-	-	-
A	9.2	NA	26.6	47.2
B	2.8	NA	6.5	11.7
C	-	NA	54.15	77.00
D	11.2	NA	27.5	49.3
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

⊗ CHANNEL DRAINAGE POINTS

○ INLET DRAINAGE POINTS

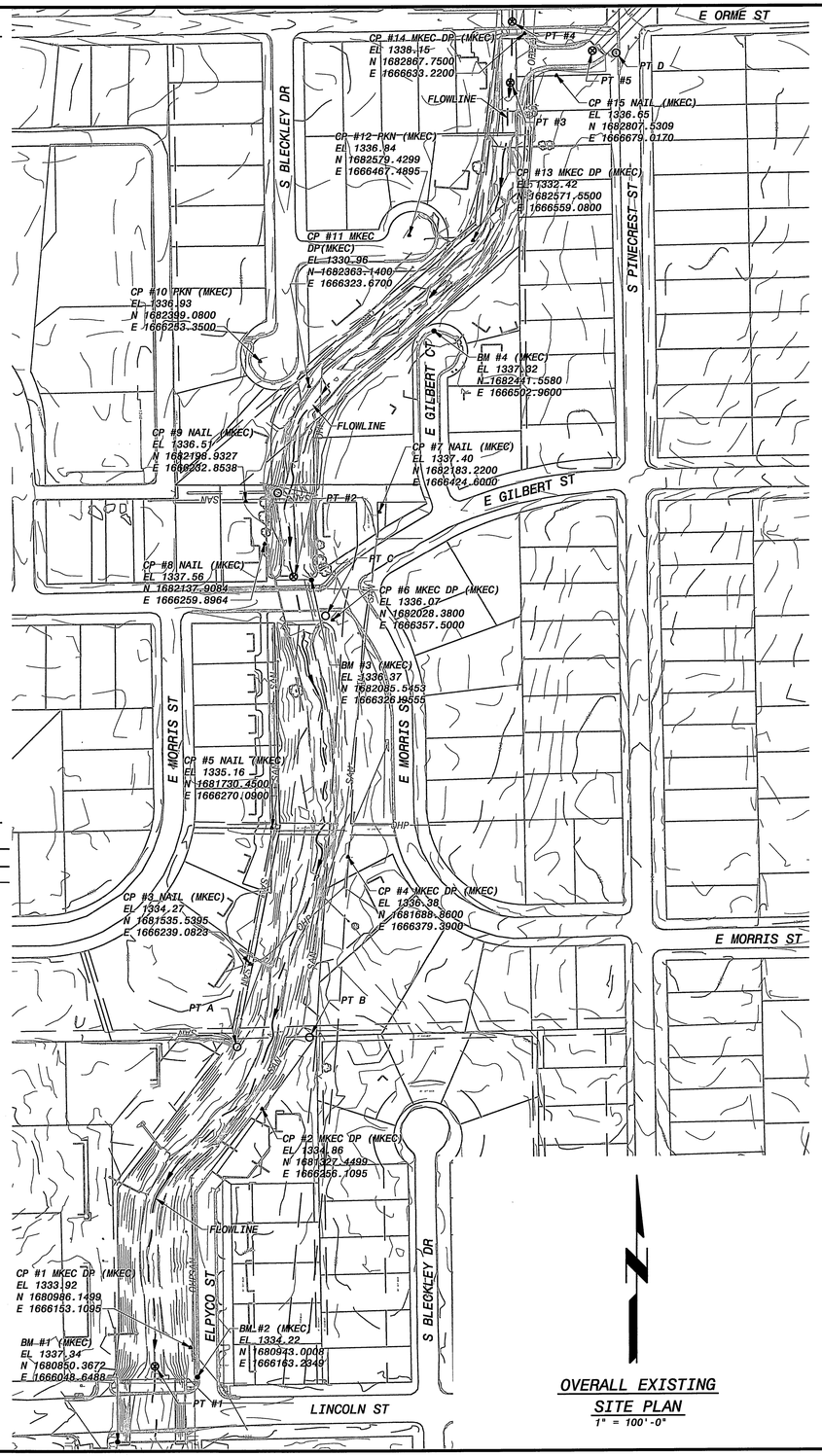
DRAINAGE NOTES:

1. STREAM HYDROLOGY COMPLETED BY OTHERS.
2. CURB INLET ON S. PINECREST DOES NOT MEET DESIGN CRITERIA.

OVERALL SITE PLAN NOTES:

1. VERTICAL CONTROL BM #1 ELEV.: 1337.32 GILBERT CT. NORTH SIDE OF TURN AROUND.
2. ALL UTILITY LOCATIONS SHOWN ON TOPOGRAPHIC DRAWING ARE APPROXIMATE. ADDITIONAL EXISTING UTILITIES MAY BE ENCOUNTERED.

FD6000
DWR



OVERALL EXISTING SITE PLAN

1" = 100'-0"

GENERAL NOTES

1. EXISTING UTILITIES AND STRUCTURES (UNDERGROUND, SURFACE, OR OVERHEAD) ARE INDICATED ONLY TO THE EXTENT THAT SUCH INFORMATION WAS MADE AVAILABLE TO OR DISCOVERED BY THE CONSULTING ENGINEER IN PREPARING THE DRAWINGS. NOT ALL LOCATIONS, CONFIGURATIONS, AND ELEVATIONS OF EXISTING UNDERGROUND POWER, TELEPHONE, OR FIBER OPTIC CABLE, CABLE TV, DUCTWAYS, SPRINKLER SYSTEMS, SEPTIC SYSTEMS, AND WATER, GAS, AND SEWER SERVICE LINES ARE INDICATED. OTHER UTILITIES AND STRUCTURES MAY BE PRESENT. UNDERGROUND LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES AND STRUCTURES OF EACH UTILITY OR STRUCTURE, ARE APPROXIMATE. CONTRACTOR SHALL INVESTIGATE AND VERIFY ALL EXISTING ELEVATIONS AND DIMENSIONS AND REPORT ANY DISCREPANCIES OR CONFLICTS TO ENGINEER PRIOR TO STARTING CONSTRUCTION OR ORDERING MATERIALS.
2. PRECISE LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STRUCTURES, WHETHER INDICATED ON THE DRAWINGS OR NOT, ARE TO BE VERIFIED BY THE CONTRACTOR IN THE FIELD IN ADVANCE OF EXCAVATING, TRENCHING, OR TUNNELING, BY CONTACTING ALL UTILITIES AND OTHER AGENCIES, AND BY PROSPECTING. AFTER FIELD VERIFICATION OF THE UTILITIES, THE CONTRACTOR SHALL REPORT TO THE ENGINEER THE NUMBER OF UTILITY RELOCATIONS REQUIRED. ALL UTILITY RELOCATIONS SHALL BE PAID IN ACCORDANCE TO THE SPECIFICATIONS. NOTIFICATION OF UTILITIES AND OTHER AGENCIES IS TO BE AS SPECIFIED IN THE CONTRACT DOCUMENTS.
3. THE PROTECTION, TEMPORARY SUPPORT, ADJUSTMENT, OR RELOCATION OF ANY UTILITIES AND STRUCTURES (UNDERGROUND, SURFACE, OR OVERHEAD) REQUIRED FOR INSTALLATION OF ANY STORMWATER PIPELINE IS TO BE COORDINATED WITH THE OWNER OF EACH UTILITY BEFORE CONSTRUCTION IS STARTED.
4. ALL EXISTING STRUCTURES DISTURBED BY CONSTRUCTION ARE TO BE RESTORED TO THEIR ORIGINAL LOCATION AND CONDITION. STRUCTURES SUCH AS CONCRETE SIDEWALKS, PAVING BRICKS, FENCING, RETAINING WALLS, LANDSCAPE STRUCTURES, ETC., CROSSED BY THE STORMWATER SEWER PIPELINE, ARE NOT ALL INDICATED IN PLAN OR PROFILE. ALL ASSOCIATED COSTS SHALL BE SUBSIDIARY TO OTHER PAY ITEMS UNLESS NOTED OTHERWISE.
5. RUBBLE FROM THE REMOVAL OF MISCELLANEOUS STRUCTURES, PIPES, AND EXCESS EXCAVATION WHICH IS TO BE WASTED SHALL BE DISPOSED OF OFF-SITE BY CONTRACTOR AND SHALL COMPLY WITH THE CITY OF WICHITA ORDINANCES AND REGULATIONS.
6. CONTRACTOR SHALL RESTRICT HIS CONSTRUCTION OPERATIONS WITHIN THE CONSTRUCTION LIMITS, EASEMENTS, OR RIGHT OF WAYS INDICATED ON THE DRAWINGS AND SHALL USE DUE CARE IN PLACING MATERIALS AND EQUIPMENT SO AS TO CAUSE THE LEAST POSSIBLE DAMAGE TO PROPERTY AND INTERFERENCE WITH LOCAL TRAFFIC.
7. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES ADJACENT TO THE PROJECT DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL PROVIDE ADEQUATE FACILITIES FOR MAINTAINING ALL DRAINAGE SYSTEMS OPEN AND OPERATING DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO THEIR ORIGINAL CONDITION BY THE COMPLETION OF THE PROJECT. ALL DISTURBED AREAS SHALL BE SODDED UNLESS OTHERWISE NOTED IN THE SPECIFICATIONS AND DRAWINGS OR DIRECTED BY THE ENGINEER.
10. EXISTING LANDSCAPE AREAS THAT FALL WITHIN THE CONSTRUCTION LIMITS SHALL BE RESTORED BY THE CONTRACTOR. THE CONTRACTOR SHALL USE CARE TO PRESERVE THESE AREAS OUTSIDE THE CONSTRUCTION LIMITS. LANDSCAPED AREAS THAT HAVE BEEN EXCLUDED FROM THE CONSTRUCTION LIMITS AND ARE NOT TO BE DISTURBED ARE INDICATED ON THE DRAWINGS.
11. CONTRACTOR SHALL SMOOTHLY TRANSITION FINISHED SLOPES TO EXISTING GRADE FOR PLEASING APPEARANCE.
12. TREES AND BUSHES THAT LIE WITHIN THE RIGHT OF WAY AND/OR CONSTRUCTION LIMITS THAT ARE IN DIRECT CONFLICT WITH PROPOSED NEW CONSTRUCTION ARE INDICATED ON THE DRAWINGS TO BE REMOVED AND SHALL BE REMOVED BY THE CONTRACTOR. ANY TREE OR BUSH THAT IS WITHIN THE CONSTRUCTION LIMITS BUT IS NOT INDICATED TO BE REMOVED SHALL BE PROTECTED FROM DAMAGE. ALL COST ASSOCIATED WITH TREE REMOVAL AND PROTECTION SHALL BE SUBSIDIARY TO SITE CLEARING AND RESTORATION. EASEMENTS AND CONSTRUCTION LIMITS SHOWN ON THE DRAWINGS. FINAL EASEMENTS AND CONSTRUCTION LIMITS ARE AVAILABLE FROM THE OWNER FOR REVIEW BY CONTRACTOR.
13. AS NEEDED DURING CONSTRUCTION, THE CONTRACTOR SHALL REMOVE EXISTING PERMANENT FENCING AND SET TEMPORARY FENCE ALONG CONSTRUCTION LIMITS. AFTER CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER TO DETERMINE THE FENCE ALIGNMENT WHEN RESTORING THE FENCE USING NEW FENCING MATERIAL OF EQUAL OR HIGHER QUALITY THAN THE EXISTING FENCE. THE NEW FENCE SHALL MATCH THE STYLE OF THE EXISTING FENCE.
14. ANY SIGNS THAT NEED TO BE REMOVED FOR CONSTRUCTION SHALL BE REPLACED IN ORIGINAL LOCATION AFTER CONSTRUCTION, AND THE CONTRACTOR SHALL PROVIDE TEMPORARY SIGNAGE UNTIL THAT TIME. ALL ASSOCIATED COSTS SHALL BE SUBSIDIARY TO TRAFFIC CONTROL.
15. THE CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL TO MAINTAIN ADEQUATE AND SAFE REROUTING OF ALL TRAFFIC IN THE IMMEDIATE AREA OF CONSTRUCTION. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
16. ALL EXISTING DITCH LINES WITHIN THE CONSTRUCTION LIMITS OF NEW INLETS ARE TO BE REGRADED TO DIRECT WATER INTO THE NEW FIELD/DROP INLET.
17. THE CONTRACTOR SHALL GIVE ALL PROPERTY OWNERS AND/OR TENANTS OF DEVELOPED PROPERTY DIRECTLY ABUTTING THE CONSTRUCTION OF THIS PROJECT A MINIMUM OF TEN (10) DAYS ADVANCE WRITTEN NOTICE PRIOR TO START OF CONSTRUCTION.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRONS. THE CONTRACTOR WILL BE REQUIRED TO REESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DESTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE REESTABLISHED BY A LICENSED LAND SURVEYOR IN ACCORDANCE WITH STATE LAWS.
19. ALL RCP PIPE AND BOX CULVERTS SHALL BE FURNISHED WITH FLEXIBLE GASKETS IN ACCORDANCE WITH CITY SPECIFICATIONS.
20. ANY EXISTING CONCRETE DRIVEWAY OR PARKING LOT THAT WILL BE CUT FOR STORM SEWER CONSTRUCTION SHALL BE REPLACED AS FOLLOWS AND IN ACCORDANCE WITH THE SPECIFICATIONS AND DRAWINGS. IF A PORTION OF A DRIVEWAY OR PARKING LOT MUST BE REMOVED FOR CONSTRUCTION, THE ENTIRE SECTION (TO THE NEAREST CONTRACTION OR EXPANSION JOINT) OF THE DRIVEWAY OR PARKING LOT SHALL BE REPLACED WITH NEW DRIVEWAY OR PARKING LOT PER CITY SPECIFICATIONS.
21. AREAS REQUIRING SEED MIXES ARE INDICATED ON THE DRAWINGS. SEED MIX DESIGNS ARE LOCATED IN THE SPECIAL CONDITIONS OF THE SPECIFICATIONS, AND THE PLANTING PLANS ARE SHOWN IN THE DRAWING SET.
22. IF CONSTRUCTION WORK UNCOVERS BURIED ARCHEOLOGICAL MATERIALS, WORK SHALL CEASE IN THE AREA OF THE DISCOVERY AND THE KANSAS STATE HISTORICAL SOCIETY - STATE HISTORIC PRESERVATION OFFICE SHALL BE NOTIFIED IMMEDIATELY AT (785) 272-8681 EXT. 240. REFER TO KSR&C NUMBER 07-11-207 FOR THIS PROJECT.
23. ALL EQUIPMENT BROUGHT ON SITE SHALL BE THOROUGHLY WASHED TO REMOVE DIRT, SEEDS, AND VIABLE PLANT PARTS. ANY EQUIPMENT THAT HAS BEEN IN ANY BODY OF WATER WITHIN THE PAST 30 DAYS WILL BE THOROUGHLY CLEANED WITH HOT WATER GREATER THAN 140°F AND DRIED FOR A MINIMUM OF FIVE DAYS BEFORE BEING USED AT THIS PROJECT SITE. IN ADDITION, BEFORE TRANSPORTING EQUIPMENT FROM THE PROJECT SITE ALL VISIBLE MUD, PLANTS AND FISH AND ANIMAL PARTS WILL BE REMOVED, ALL WATER WILL BE ELIMINATED, AND THE EQUIPMENT WILL BE THOROUGHLY CLEANED. ANYTHING THAT CAME IN CONTACT WITH WATER WILL BE CLEANED AND DRIED FOLLOWING THIS PROCEDURE.
24. CONTRACTOR SHALL NOTIFY CITY IF UNMARKED UTILITIES OR PIPES ARE ENCOUNTERED IN THE FIELD. CITY SHALL GIVE PROMPT DIRECTION ON WHETHER TO CONNECT PIPES TO THE STREAM.

NO.	BY	CK	APP	DATE	REVISIONS AND RECORD OF ISSUE
4	DEC			03/13/09	FINAL - CONSTRUCTION SET
3	DEC			2/13/08	100% SUBMITTAL
2	DEC			11/21/07	90% SUBMITTAL - FOR REVIEW ONLY
1	DEC			8/31/07	70% SUBMITTAL - FOR REVIEW ONLY

SHEET ID: 143234-320-HM-G-T0002N24
WF: 002.dwg
SAVED: CD037033, 3/9/2009 8:36:30 AM
PLOTTED: CD037033, 3/16/2009 8:20:38 AM
USER: CD037033
XREF1: Andrew Smith Seal Plan Sheet.dwg
XREF2: EG_contours.dwg
XREF3:
XREF4:
XREF5:
DWG VER: 1.32

ANDREW K. SMITH — 17970 — LICENSED PROFESSIONAL ENGINEER — K.A.M.S.E.P.
03-13-09

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Black & Veatch Corporation
Kansas City, Missouri

DRY CREEK CHANNEL IMPROVEMENTS
WICHITA, KANSAS

LINCOLN TO ORME
EXISTING SITE PLAN WITH CONTROL POINTS
DRAINAGE TABLE, LEGEND, AND GENERAL NOTES

DESIGNED: HMW
DETAILED: DEC
CHECKED: AKS
APPROVED:
DATE: 13 MAR 2009

0 1/2
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE

PROJECT NO.
143234

002
SHEET
2 OF 42