FIRE STATION #1 CONCRETE REPLACEMENT

CITY OF JOPLIN
303 EAST THIRD STREET



LOCATION SKETCH
SECTION 2
T 27 N, R 33 W
SCALE: 1"=2000'

GENERAL NOTES

1. THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENDED BY THE OWNER AT THIS TIME. NEITHER THE ENGINEER NOR ITS PERSONNEL CAN OR DO WARRANT THESE DESIGNS OR PLANS AS CONSTRUCTED EXCEPT IN THE SPECIFIC CASES WHERE THE ENGINEER INSPECTS AND CONTROLS THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THIS SITE.
2. CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE PROJECT DOCUMENTS & PER THE LOCAL AUTHORITY'S STANDARDS & SPECIFICATIONS.
3. THE CONTRACTOR SHALL FIELD VERIFY ALL HORIZONTAL AND VERTICAL LINES AND GRADES OF EXISTING UTILITIES PRIOR TO THE CONSTRUCTION OF IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERY OF A DISCREPANCY BETWEEN CONTRACT DRAWINGS AND ACTUAL FIELD CONDITIONS.
4. APPLICABLE PERMITS MUST BE OBTAINED FROM THE CITY, STATE AND COUNTY PRIOR TO EXCAVATION WITHIN ANY RIGHT-OF-WAY, AND PRIOR TO ANY CONSTRUCTION.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ANY UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS AND TO BE LIABLE FOR DAMAGE AND CONSEQUENT REPAIR TO SUCH IN THE COURSE OF HIS OPERATIONS.
6. THE CONTRACTOR AND/OR BUILDER WILL KEEP THE SITE NEAT AND ORDERLY AT ALL TIMES WHILE CONSTRUCTION IS TAKING PLACE. ALL CITY STREETS ADJACENT TO THE DEVELOPMENT SHALL BE KEPT CLEAR OF MUD, ROCK, DIRT, DEBRIS, PAPER AND WASTE MATERIAL AT ALL TIMES. THE PROPER AMOUNT OF INSPECTION SHALL BE CALLED FOR AT THEIR PROPER TIMES, OR ANY AND ALL WORK MAY BE REJECTED.
7. IF ANY WORK OR ACCESS TO ANY ADJOINING PROPERTY IS DONE, IT IS THE FULL RESPONSIBILITY OF THE APPLICANT/OWNER TO OBTAIN PROPER RELEASES FROM ADJOINING PROPERTY OWNERS AND ASSUME ALL LIABILITY FOR ACTION TAKEN DURING ALL CONSTRUCTION.
8. ALL DISTURBED AREAS ARE TO BE RE-SEEDED IN ACCORDANCE WITH THE APPROVED PLANS.
9. CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE ANY EXISTING STREET, CURB AND GUTTER, SIDEWALK AND DRIVEWAYS.
10. THE CONTRACTOR SHALL HAVE ON SITE A SET OF PLANS. THE CONTRACTOR SHALL HAVE ON THE PROJECT AT ALL TIMES, AS HIS AGENT, A COMPETENT SUPERINTENDENT CAPABLE OF READING AND THOROUGHLY UNDERSTANDING THE PLANS AND SPECIFICATIONS, THOROUGHLY EXPERIENCED IN THE TYPE OF WORK BEING PERFORMED, AND WHO SHALL RECEIVE INSTRUCTIONS FROM THE ENGINEER OR HIS AUTHORIZED REPRESENTATIVE.
11. ALL TRENCHES, WHICH LIE UNDER PROPOSED PAVEMENT OR LIE WITHIN TWO FEET OF THE BACK OF CURB SHALL BE BACKFILLED TO PAVEMENT SUBGRADE WITH COMPACTED GRANULAR MATERIAL.
12. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY NEW SINKHOLES, MINE FEATURES OR OTHER GEOLOGIC ANOMALIES DISCOVERED DURING CONSTRUCTION.
13. THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, SEQUENCING, AND SAFETY CONCERNS ASSOCIATED WITH THIS PROJECT DURING CONSTRUCTION. UNLESS SPECIFICALLY ADDRESSED OTHERWISE IN THIS PLAN OR ELSEWHERE IN THE CONTRACT.
14. THE QUANTITIES AND SITE CONDITIONS DEPICTED IN THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE SUBJECT TO ERROR AND OMISSION. CONTRACTORS SHALL SATISFY THEMSELVES AS TO ACTUAL QUANTITIES AND SITE CONDITIONS PRIOR TO BIDDING THE WORK FOR THE CONSTRUCTION COVERED BY THIS PLAN.
15. A REASONABLE EFFORT HAS BEEN MADE TO SHOW THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES AND UTILITIES IN THE CONSTRUCTION AREA. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES AND/OR FACILITIES CAUSED DURING THEIR CONSTRUCTION OPERATIONS.
16. THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION OF CONSTRUCTION AFFECTING UTILITIES AND THE COORDINATION OF ANY NECESSARY UTILITY RELOCATION WORK.
17. COORDINATION BETWEEN ALL PARTIES IS AN ESSENTIAL PART OF THE CONTRACT.

SAFETY NOTES:

1. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
2. THE DUTY OF THE ENGINEER OR OWNER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

OWNER:

CITY OF JOPLIN
602 S MAIN STREET
JOPLIN, MO 64801
P: (417) 624-0820

ENGINEER:

ANDERSON ENGINEERING, INC.
811 E. THIRD STREET
JOPLIN, MO 64801
P: (417) 782-7399

INDEX OF SHEETS

NO.	DESCRIPTION
C100	COVER SHEET
C101	SITE DEMOLITION
C102	SITE LAYOUT & GRADING PLAN

MISSOURI ONE CALL SYSTEM, INC. 1-800-344-7483 STOP-CALL BEFORE YOU DIG



N

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

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				FIELD BOOK:
				JOB NUMBER: 20JO10027

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FIRE STATION 1 CONCRETE REPLACEMENT
CITY OF JOPLIN

COVER SHEET

JOPLIN, JASPER COUNTY, MISSOURI

STATE OF MISSOURI
AARON T. HARGRAVE
NUMBER PE-2007020274
PROFESSIONAL ENGINEER
6-12-13

DWG NUMBER JOP-100-5584
SHEET NUMBER C100



STAGES OF CONSTRUCTION:

1. CONTRACTOR TO PERFORM DETAILED SITE INSPECTION TO LOCATE ALL EXISTING UTILITIES AND VERIFY ANY POSSIBLE CONFLICTS WITH PROPOSED IMPROVEMENTS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTACT OWNER WITH ANY CONFLICTS.
2. INSTALLATION OF EROSION CONTROL FENCE.
3. DEMOLITION OF EXISTING SITE IMPROVEMENTS.
4. ROUGH GRADING. REFER TO SHEET C102.
5. CONSTRUCTION OF NEW SITE IMPROVEMENTS.
6. FINAL GRADING.
7. REMOVAL OF EROSION CONTROL FENCE.

DEMOLITION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND REMOVAL OF ALL ITEMS THAT IMPEDE THE PROPER PLACEMENT OF ANY ITEMS PROPOSED BY THIS PLAN SET.
2. THE REMOVAL WORK SHALL INCLUDE BUT NOT BE LIMITED TO: OBTAINING ALL DEMOLITION PERMITS REQUIRED, REMOVAL OF THE EXISTING TREES, SEALING OF THE EXISTING WATER WELLS, REMOVAL OF ANY SEPTIC SYSTEM OR DRY WELLS (IF ANY) AND OTHER ITEMS TO COMPLETE THE REMOVALS.
3. THE CONTRACTOR SHALL REMOVE ALL MATERIALS DEEMED UNSUITABLE BY THE ENGINEER WITHIN EIGHT INCHES OF THE PROPOSED BUILDING FOOTPRINT TO THE DEPTH THAT SUCH UNSUITABLE MATERIALS EXIST.
4. THE CONTRACTOR SHALL COORDINATE DISCONNECTION, REMOVAL, AND RELOCATION OF THE EXISTING UTILITIES WITH THE APPROPRIATE UTILITY COMPANIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES THAT ARE LEVIED BY UTILITY COMPANIES IN CONJUNCTION WITH DEMOLITION AND REMOVAL OF EXISTING UTILITIES.
5. DISPOSAL OF ALL MATERIALS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. ALL WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL MATERIALS FROM THE SITE ALONG WITH ALL ASSOCIATED PERMITS AND REGULATORY REQUIREMENTS.
6. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITY SERVICES TO ADJACENT LOTS. INTERRUPTION OF SERVICES TO ADJACENT LOTS SHALL NOT OCCUR WITHOUT PROPER APPROVAL. 48 HOURS NOTICE SHALL BE GIVEN TO THE PROPERTY OWNERS PRIOR TO THE CONNECTION OF THE NEW SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS ASSOCIATED WITH THE CONNECTION OF TEMPORARY UTILITY SERVICES, IF REQUIRED, TO FACILITATE CONSTRUCTION STAGING.
7. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING PARKING, SIDEWALKS, DRIVES, ETC. TO BE CLEAR AND FREE OF ANY CONSTRUCTION ACTIVITY AND/OR EXCAVATED AND HAULED MATERIAL TO ENSURE EASY AND SAFE PEDESTRIAN AND VEHICULAR TRAFFIC TO AND FROM ADJACENT SITES.

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GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

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SPECIAL NOTE:
CONTRACTOR TO PERFORM DETAILED SITE INSPECTION TO LOCATE ALL EXISTING UTILITES AND VERIFY ANY POSSIBLE CONFLICTS WITH PROPOSED IMPROVEMENTS PRIOR TO BEGINNING ANY CONSTRUCTION. THIS PLAN DOES NOT REFLECT ANY INDICATIONS OF UTILITIES AND/OR EXISTING INFORMATION AVAILABLE FROM UTILITY COMPANIES. THE ENGINEER MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE ENGINEER FURTHER DOES NOT WARRANTY THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED, ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE ENGINEER HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. CONTRACTOR RESPONSIBLE FOR ONE-CALL TICKET AND CHECKING FOR POSSIBLE UTILITIES.

CONTRACTOR SHALL PLACE SILT SOCKS AND FURTHER EROSION CONTROL MEASURES AS NECESSARY TO ENSURE NO SEDIMENT TRACKING

CONTRACTOR TO INSTALL TEMPORARY CONSTRUCTION ENTRANCE AS NEEDED TO PREVENT SEDIMENT TRACKING. COORDINATE LOCATION WITH OWNER.

LEGEND

CP	CONTROL POINT
FND IP	FOUND IRON PIN
SET IP	SET IRON PIN
RWM	RIGHT-OF-WAY MARKER
PP GY	POWER POLE W/ GUY
MH	MANHOLE
SCO	SEWER CLEANOUT
GM	GAS METER
LP	LIGHT POLE
	SIGN
	WATER METER
WV	WATER VALVE
GV	GAS VALVE
FH	FIRE HYDRANT
TR	TELEPHONE RISER
	BUMPER POST
	GRATE INLET
ER	ELECTRICAL RISER
	ELECTRICAL METER
PROPERTY LINE	
SANITARY SEWER	SS
UNDERGROUND TELEPHONE	UT
GAS LINE	G
WATER LINE	W
ELECTRIC LINE	OHE
UNDERGROUND ELECTRIC	UE
FENCE LINE	x x
EXISTING CONTOUR	1165
PROPOSED CONTOUR	1165

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FIRE STATION 1 CONCRETE REPLACEMENT
CITY OF JOPLIN

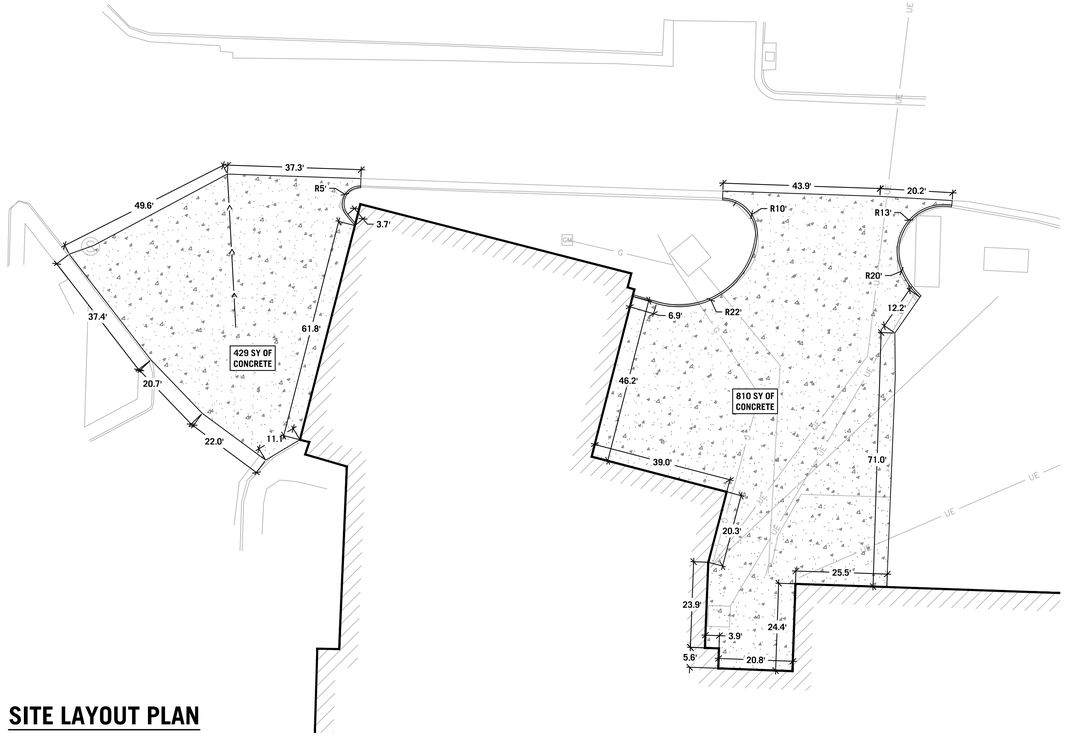
SITE DEMOLITION

JOPLIN, JASPER COUNTY, MISSOURI

STATE OF MISSOURI
AARON T. HARGRAVE
NUMBER PE-2007020274
PROFESSIONAL ENGINEER
6-12-13

DWG NUMBER JOP-100-5584

SHEET NUMBER C101



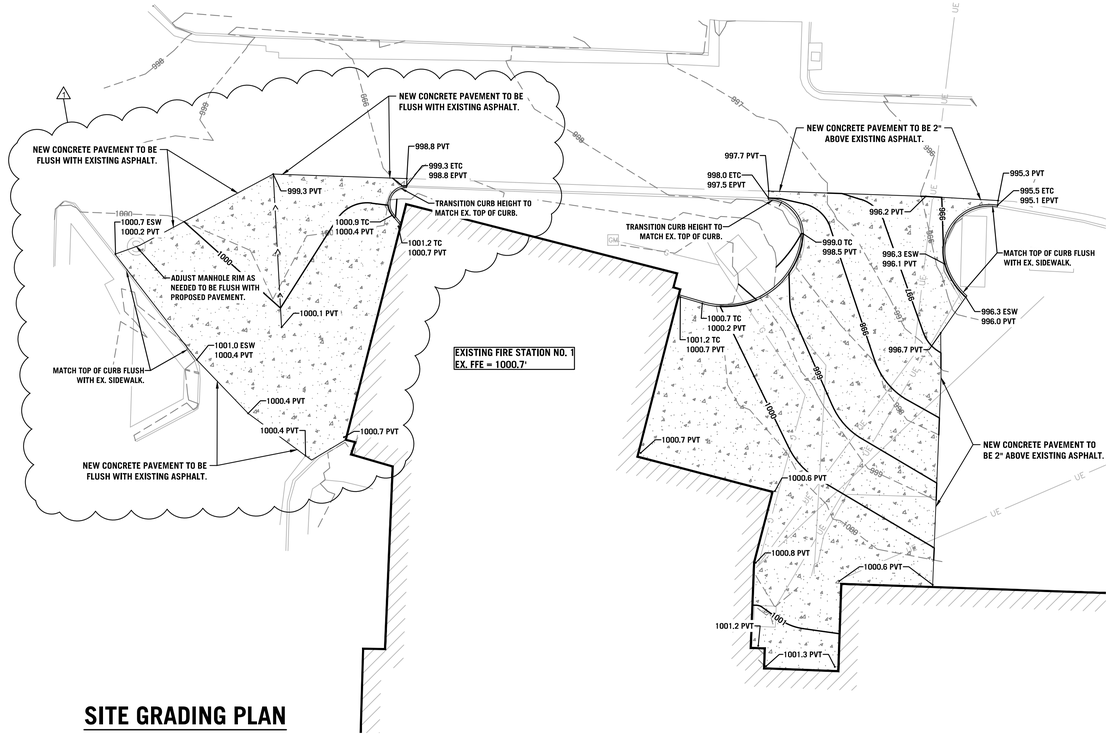
SITE LAYOUT PLAN

N

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.



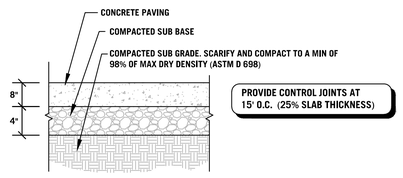
SITE GRADING PLAN

N

GRAPHIC SCALE

20 0 10 20 40 80

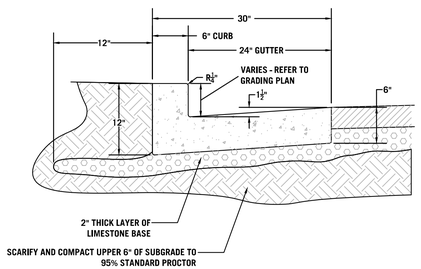
(IN FEET)
1 inch = 20 ft.



GENERAL NOTES:
1. REFER TO GEOTECHNICAL REPORT AS PREPARED BY ANDERSON ENGINEERING FOR ADDITIONAL DETAILS REGARDING PAVEMENT DESIGN.
2. CONCRETE PAVEMENTS SHOULD MEET THE REQUIREMENTS OF SECTION 502 OF THE MODOT STANDARD SPECIFICATIONS FOR PORTLAND CEMENT CONCRETE PAVEMENTS.
3. CARE MUST BE TAKEN TO DEVELOP POSITIVE DRAINAGE ACROSS AND FROM AROUND THE PAVEMENT EDGES. WATER ALLOWED TO POND ON OR ADJACENT TO PAVEMENTS WOULD INCREASE THE POTENTIAL FOR MOISTURE INTRUSION INTO THE SUBGRADE SOILS AND COULD RESULT IN PREMATURE PAVEMENT FAILURE.
4. A MAINTENANCE PROGRAM THAT INCLUDES SURFACE SEALING, JOINT CLEANING AND SEALING AND TIMELY REPAIR OF CRACKS AND DETERIORATED AREAS WILL HELP PRESERVE THE PAVEMENT LIFE.

1 C102 **CONCRETE PAVEMENT SECTION**

SCALE: NOT TO SCALE



NOTES:
1. CURB AND GUTTER SHALL BE SAW CUT TO ¼ DEPTH AT 10' INTERVALS WITHIN 48 HOURS AFTER PLACEMENT

2 C102 **CURB AND GUTTER DETAIL**

SCALE: NOT TO SCALE

GENERAL NOTES:

1. SITE CONDITIONS BASED UPON SURVEY DONE BY ANDERSON ENGINEERING, INC. THE CONTRACTOR SHALL FIELD VERIFY ALL HORIZONTAL AND VERTICAL LINES AND GRADES OF EXISTING UTILITIES PRIOR TO THE CONSTRUCTION OF IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY UPON DISCOVERING A DISCREPANCY BETWEEN THE CONTRACT DRAWINGS AND ACTUAL FIELD CONDITIONS. CONTACT ONE CALL: 1-800-344-7483.
2. THE CONTRACTOR MUST COORDINATE CONSTRUCTION WITH THE NECESSARY AUTHORITIES.
3. APPLICABLE PERMITS MUST BE OBTAINED PRIOR TO EXCAVATION WITHIN ANY RIGHT-OF-WAY, AND PRIOR TO ANY CONSTRUCTION.
4. ALL CONTOURS AND SPOT ELEVATIONS SHOWN ARE FINISH GRADE.
5. TESTING OF CONTROLLED STRUCTURAL FILL, OBSERVATION OF EXCAVATIONS AND COMPACTION OF SUBGRADE SHALL BE DONE BY A QUALIFIED GEOTECHNICAL ENGINEER. FOLLOW GEOTECHNICAL ENGINEER RECOMMENDATIONS FOR SITE EXCAVATION REQUIREMENTS.

SITE LAYOUT NOTES:

1. ALL SITE DIMENSIONS TO THE FACE OF CURB, CENTERLINE, OR PROPERTY LINE UNLESS OTHERWISE NOTED.
2. CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS BY DETAILED INSPECTION PRIOR TO SUBMITTING BID AND STARTING CONSTRUCTION.
3. COORDINATE WORK WITH OTHER SITE RELATED DEVELOPMENT DRAWINGS.
4. DIMENSIONS THAT LOCATE THE BUILDING ARE MEASURED TO THE OUTSIDE FACE OF THE BUILDING.
5. SIGN CONSTRUCTION AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.

CAUTION:
EXISTING SURFACE FEATURES, STRUCTURES, ETC. AND UNDERGROUND INSTALLATIONS SUCH AS WATER MAIN, GAS MAINS, SEWERS, TELEPHONE LINES, FIBER OPTIC LINES AND BURIED STRUCTURES ARE INDICATED ON THE DRAWING ONLY TO THE EXTENT SUCH INFORMATION HAS BEEN MADE AVAILABLE TO OR DISCOVERED BY THE SURVEYOR IN PREPARING THIS DRAWING. THERE IS NO GUARANTEE AS TO THE ACCURACY OR COMPLETENESS OF SUCH INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

CONTRACTOR SHALL FIELD VERIFY PROPOSED GRADES MATCH EXISTING PAVEMENT AT ALL CONNECTIONS. CONTRACTOR SHALL NOTIFY ENGINEER IF DISCREPANCY OCCURS.

SPECIAL NOTE:
CONTRACTOR TO PERFORM DETAILED SITE INSPECTION TO LOCATE ALL EXISTING UTILITES AND VERIFY ANY POSSIBLE CONFLICTS WITH PROPOSED IMPROVEMENTS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTACT ENGINEER WITH ANY CONFLICTS.

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SYMBOLS LEGEND

NOTE: REFER TO SURVEY FOR EXISTING CONDITION SYMBOLS LEGEND AND SITE CONTROL.

- – – 980 – – – EXISTING GRADE LINES
- 980 PROPOSED NEW GRADE LINES

NEW SPOT ELEVATIONS

+ 980.0 PVT

LIST	ABBREVIATION
GRADE	NONE
SIDEWALK	SW
TOP OF WALL	TW
TOP OF CURB	TC
BACK OF CURB	BC
TOP OF PAVEMENT	PVT
TOP OF BANK	TB
NEW GRADE	GD
CONCRETE	CONC
EXISTING TOP OF CURB	ETC
EXISTING GRADE	EG
EXISTING PAVEMENT	EPVT
EXISTING SIDEWALK	ESW
TOP OF STEP	TST
BOTTOM OF STEP	BST
GUTTER	GT

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FIRE STATION 1 CONCRETE REPLACEMENT
CITY OF JOPLIN

SITE LAYOUT & GRADING PLAN

JOPLIN, JASPER COUNTY, MISSOURI

STATE OF MISSOURI
AARON T. HARGRAVE
NUMBER PE-2007020274
6-24-20

DWG NUMBER JOP-100-5584

SHEET NUMBER C102