

- 3 INSTALL BOLLARD MOUNTED ADA LIFT VAN PARKING SIGN, SEE DETAIL SHEET C5.1
- 4 INSTALL BOLLARD MOUNTED ADA PARKING SIGN, SEE DETAIL SHEET C5.1
- ⑤ PROPOSED CONCRETE BUILDING SIDEWALK, SEE DETAIL SHEET C5.2
- PROPOSED CONCRETE BUILDING SIDEWALK
- (6) ADJACENT TO LANDSCAPE (1.5% MAX. SLOPE), SEE DETAIL SHEET C5.2
- 7 PROPOSED CONCRETE SIDEWALK OR PAD, SEE DETAIL SHEET C5.2
- 8 PROPOSED 2.67' WIDE DECORATIVE COLORED CONCRETE SIDEWALK BANDING, SEE SHEETS C5.2
- 9 PROPOSED 6" INTEGRAL CONCRETE CURB, SEE DETAIL SHEET C5.1
- 10 PROPOSED 6" CONCRETE CURB & GUTTER, SEE C.O.J. DETAIL CG-1 TYPE "A" & DETAIL SHEET C5.5

(11) PROPOSED CONCRETE PAVEMENT, SEE SHEET C4.1

PROPOSED RIGHT-OF-WAY CONCRETE PAVEMENT, SEE SHEET C4.1

- (16) PROPOSED ADA ACCESSIBLE PARKING SPACE
- (1) INSTALL BOLLARD BIKE RACK, SEE DETAIL SHEET C5.1
- 18 INSTALL BOLLARD (SPACED AT 5'-0" O.C.), TYPICAL, SEE DETAIL SHEET C5.2
- APPROXIMATE LOCATION OF KNOX BOX. REFER TO ARCHITECTURAL PLANS FOR DETAILS & SPECIFICATIONS
- 20 PROPOSED UNDERGROUND STORAGE TANK LOCATIONS
- (21) PROPOSED AIR MACHINE, SEE SHEET C5.3
- (2) PROPOSED MISCELLANEOUS MERCHANDISE
- (23) PROPOSED FIREWOOD (24) PROPOSED RED BOX(ES) VENDING MACHINE
- 25) PROPOSED ICE MERCHANDISER
- 26 PROPOSED TRANSFORMER PAD LOCATION, SEE SHEET C3.1
- PROPOSED PROPANE CAGE(S), PLACED PER NFPA 58 REQUIREMENTS
- PROPOSED TRASH ENCLOSURE WITH NICHIHA, SEE ARCHITECTURAL PLANS

- BASES SHALL BE PLACED 48" FROM CENTER OF BASE TO BACK OF CURB OR SIDEWALK UNLESS OTHERWISE NOTED ON PLANS

PROPOSED REMOTE TANK FILL LOCATION, SEE PETROLEUM PLANS

PROPOSED LIGHT POLE, SEE MEP PLANS. ALL

FIRE LANE FLAG NOTES: PAVEMENT SHALL BE STRIPED BY 4" SOLID RED LINE FOR DEMARCATING LIMITS OF EMERGENCY ACCESS TOP & FACE OF CURB SHALL BE PAINTED SOLID RED FOR DEMARCATING LIMITS OF EMERGENCY ACCESS 12" MIN. HEIGHT FIRE LANE TEXT SHALL BE PAINTED RED AND OCCUR EVERY 50' O.C. MAX. SPACING E. HILAND DR. EMERGENCY VEHICLE ACCESS PLAN SCALE IN FEET

FIRE FLOW CALCULATIONS:

PER 2012 ARKANSAS FIRE CODE SECTION B105, THE REQUIRED FIRE FLOW IS AS FOLLOWS:

PROPOSED BUILDING 5,620 S.F., TYPE V-B CONSTRUCTION, NON-SPRINKLED.

PER 2012 ARKANSAS FIRE CODE SECTIONS C103, C104 AND C105, THE NUMBER OF HYDRANTS REQUIRED IS 2. THERE IS ONE EXISTING HYDRANT LOCATED APPROXIMATELY 450' SOUTHEAST OF THE BUILDING (H28163) AND ONE LOCATED APPROXIMATELY 850' SOUTHWEST OF THE BUILDING (H3557) ACROSS HILAND DRIVE. DUE TO THE DISTANCE, THE EXISTING HYDRANT CANNOT BE USED. ADDITIONALLY, THERE ARE 2 PROPOSED HYDRANTS LOCATED WITHIN 400' OF THE BUILDING. ONE IS LOCATED APPROXIMATELY 70' EAST OF THE BUILDING ON SITE AND THE OTHER IS LOCATED APPROXIMATELY 155' SOUTH OF THE BUILDING.

CITY WATER & LIGHT PROVIDED FLOW TEST INFORMATION ON FIRE HYDRANT H28163 WHICH IS LOCATED 300' SOUTHEAST OF THE

PITOT PRESSURE NOT PROVIDED FLOW 1,365 GPM RESIDUAL PRESSURE 103 PSI STATIC PRESSURE 110 PSI CALCULATED AVAILABLE FIRE FLOW AT LOCATION OF HYDRANT

 $QR = QF \times (HR/HF)^0.54$

H2639 (SEE CALCULATION BELOW)

QR = FLOW AVAILABLE AT DESIRED RESIDUAL PRESSURE (DESIRED RESIDUAL PRESSURE = 20 PSI) QF = FLOW OBTAINED DURING FLOW TEST HR = PRESSURE DROP TO THE DESIRED RESIDUAL PRESSURE

QR = 1,365 GPM X [110 PSI - 20 PSI)/(110 PSI - 103 PSI)]^0.54

HF = PRESSURE DROP DURING THE TEST

QR = 5,420 GPM

WITH THE FRICTION AND FITTING LOSSES, FLOWS AT EXISTING HYDRANTS WILL BE EXCEEDING THE MINIMUM OF 2,000 GPM AS REQUIRED IN SECTION B105 OF THE 2012 ARKANSAS FIRE CODE.

BENCHMARKS

— EXISTING RIGHT—OF—WAY LINE

— PROPOSED BUILDING

PROPOSED BOLLARD

PROPOSED INTEGRAL CONCRETE CURB

PROPOSED SANITARY SEWER CLEANOUT

PROPOSED SANITARY SEWER MANHOLE PROPOSED STORM SEWER CLEANOUT

PROPOSED STORM SEWER STRUCTURE

PROPOSED SAMPLING MANHOLE

PROPOSED TRANSFORMER

EXIST. AIR CONDITIONER EXIST. CABLE TV RISER EXIST. DECIDUOUS TREE EXIST. ELECTRIC BOX

EXIST. ELECTRIC VAULT EXIST. FIBER OPTIC RISER

EXIST. GAS METER EXIST. GAS VALVE EXIST. GUY WIRE EXIST. LIGHT POLE EXIST. MAILBOX EXIST. POWER POLE

EXIST. SATELLITE

EXIST. STEEL POST

EXIST. WATER VALVE

EXIST. STORM MANHOLE EXIST. TELEPHONE RISER EXIST. WATER METER

EXIST. SIGN

BENCHMARK

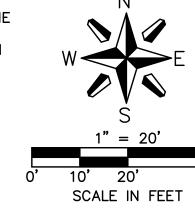
PROPOSED GREASE INTERCEPTOR

PARKING STALL COUNT PER BAY

EXIST. SANITARY SEWER MANHOLE

BM#1-SQUARE CUT IN SOUTHWEST CORNER OF STORM BOX AT THE NORTHEAST CORNER OF SUBJECT PROPERTY. BM#1 IS BASED ON AN ITEM THAT WILL BE REMOVED WITH THE CONSTRUCTION SHOWN ON THESE PLANS. CONTRACTOR SHALL ESTABLISH NEW PERMANENT BENCHMARK PRIOR TO ANY PROJECT DEMOLITION. ELEV.=244.16 (NAVD 88)

BM#2-SQUARE CUT IN SOUTHEAST CORNER OF STORM BOX APPROXIMATELY 121.7' SOUTHEASTERLY FROM THE SOUTHWEST CORNER OF SUBJECT PROPERTY ELEV.=245.37 (NAVD 88)





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DRIVE

8

SBOF

10-30-20

SHEET NUMBER: 3 OF 21