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WATER / SANITARY SEWER: WAGONER COUNTY RURAL WATER DIST. #4 9816 S. 239TH E. AVENUE BROKEN ARROW, OK 74014 CONTACT: RICK LANG, OPERATIONS MANAGER PH: (918) 258-2331 EMAIL: rlang@wagonerrwd4.com

AEP PUBLIC SERVICE COMPANY OF OKLAHOMA 212 É. 6TH STREET TULSA, OK 74119 CONTACT: MARK BUTLER, ENGINEERING DEPT. PH: (918) 599-2351 EMAIL: mabutler@aep.com

OKLAHOMA NATURAL GAS (ONG) 5848 E. 15TH STREET TULSA, OK 74112 CONTACT: JAMES NOBLES PH: (918) 831-8267 EMAIL: james.nobles@ong.com

STORM SEWER:

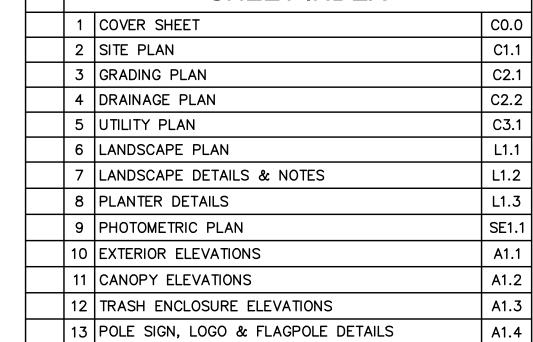
CITY OF BROKEN ARROW 485 NORTH POPLAR AVENUE BROKEN ARROW, OK 74013 CONTACT: JEFF BIGBY, P.E./CFM PH: (918) 259-7000 (EXT. 5241) EMAÌL: jbigby@brokenarrowok.gov

COX COMMUNICATIONS 11811 E. 51ST STREET TULSA, OK 74146 CONTACT: CHUCK WATSON PH: (918) 286-4423 EMAIL: charles.watson@cox.com



PRELIMINARY SITE DRAWINGS **STORE #837** 24055 E. HIGHWAY 51 BROKEN ARROW, OK 74014

> SHEET INDEX 1 COVER SHEET 2 SITE PLAN C1.1 3 GRADING PLAN C2.1 4 DRAINAGE PLAN C3.1 5 UTILITY PLAN 6 LANDSCAPE PLAN 7 LANDSCAPE DETAILS & NOTES L1.2 L1.3 8 PLANTER DETAILS 9 PHOTOMETRIC PLAN SE1.1 A1.1 10 EXTERIOR ELEVATIONS A1.2 11 CANOPY ELEVATIONS



SITE DATA 7 DISPENSERS (SINGLE) CANOPY / DISPENSER ARRANGEMENT CONVENIENCE STORE TYPE OF USE WITH FUEL HIGHEST BUILDING 21'-6" (MIN.) **ELEVATION** TOP OF PARAPET 19'-10" & 16'-10" (MIN.) **HEIGHT ELEVATION** HIGHEST ELEVATION 20'-9" (MIN.) 18'-6" TOP OF FASCIA (MIN.) 15'-6" CLEARANCE (MIN.) **GROSS FLOOR AREA** 6,217 S.F GROSS CANOPY AREA 4,706 S.F. ±74,747 S.F. **GROSS LOT AREA** (±1.716 ACRES) FAR (INCLUDING CANOPY) 0.1475 6,217 S.F. (8.3%) **BUILDING COVERAGE** 28,831 S.F. (38.6%) LANDSCAPE COVERAGE 39,699 S.F. (53.1%) PARKING/DRIVE/SIDEWALK COVERAGE **BICYCLE PARKING** 2 SPACES STANDARD 30 ADA 2 REQUIRED PARKING TOTAL 32 PARKING RATIO = 1 CAR / 200 S.F. STANDARD 24 ADA PROVIDED PARKING TOTAL 25

THIS PROJECT IS REGISTERED UNDER THE LEED GREEN BUILDING **CERTIFICATION PROGRAM.**



PARKING RATIO = 0.79 CARS / 200 S.F.

550

6400 Westown Parkway West Des Moines, Iowa 50266 P: 515-226-0128 F: 515-223-9873

务 8051 HIGHWAY RR SHEET \triangleleft COVER ROK \Box

3 #8 KG PROJECT TEAM: RDR: JWH

SDM: NDH CPM: SDN

12-09-15

SHEET NUMBER:

BENCHMARKS:

3/8" IRON PIN WITH CAP STAMPED 'SACK' FOUND AT NORTHWEST CORNER OF LOT 1 BLOCK 1, BOL ADDITION ELEV.=712.02 (NAVD 1988)

BENCHMARK #2 (TEMPORARY) SQUARE CUT IN SOUTH CURB LINE ADJACENT TO SIDEWALK OF NORTH DRIVE ENTRANCE INTO EXIST KUM & GO APPROX. 210 FEET NORTH OF THE HIGHWAY 51 & ONETA RD. INTERSECTION ELEV.=713.55 (NAVD 1988)

5/8" REBAR-1 1/2" ALUMINUM CAP FLUSH-STAMPED "BA 20", SET ON THE NORTH SIDE OF 101ST ST. APPROX. 0.50 MILE WEST OF ONETA RD. ELEV.=687.187 (NAVD 1988)

FLOOD ZONE:

ACCORDING TO F.E.M.A. FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER: 40145C0115H, EFFECTIVE DATE: APRIL 17, 2012, THIS PROPERTY DOES NOT LIE WITHIN A DESIGNATED FLOOD PLANE AND IS ZONE X.

LEGAL DESCRIPTION:

A REPLAT OF LOT 1, BLOCK 1, BOL ADDITION BEING A PART OF THE EAST HALF OF THE SOUTHEAST QUARTER (E/2 SE/4) OF SECTION 21, TOWNSHIP 18 NORTH, RANGE 15 EAST OF THE INDIAN BASE AND MERIDÍAN, WAGONER COUNTY, STATE OF OKLAHOMA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF THE SOUTHEAST QUARTER OF SECTION 21, TOWNSHIP 18 NORTH, RANGE 15 EAST; THENCE SOUTH 00 DEGREES 10 MINUTES 50 SECONDS WEST ALONG THE EAST LINE OF THE SOUTHEAST QUARTER A DISTANCE OF 1,660.00 FEET; THENCE NORTH 89 DEGREES 38 MINUTES 10 SECONDS WEST, A DISTANCE OF 24.75 FEET TO THE POINT OF BEGINNING, ALSO BEING DESCRIBED AS THE NORTHEAST CORNER OF LOT 10 OF THE PARTIALLY VACATED PLAT OF PRAIRIE DALE ADDITION, BY CERTIFICATE TO VACATE, FILED IN BOOK 1990 AT PAGE 602 IN THE COUNTY CLERKS OFFICE OF WAGONER COUNTY, OKLAHOMA; THENCE SOUTH 00 DEGREES 10 MINUTES 50 SECONDS WEST ALONG THE EAST LINE OF SAID VACATED PRAIRIE DALE ADDITION AND PARALLEL TO THE EAST LINE OF SAID SECTION 21, A DISTANCE OF 341.19 FEET; THENCE NORTH 66 DEGREES 52 MINUTES 08 SECONDS WEST, A DISTANCE OF 388.77 FEET TO A POINT THAT IS THE SOUTHWEST CORNER OF LOT 11 OF SAID VACATED PRAIRIE DALE ADDITION, ALSO BEING THE SOUTHWEST CORNER OF SAID LOT 1, BLOCK 1 BOL ADDITION; THENCE NORTH 00 DEGREES 13 MINUTES 31 SECONDS EAST, A DISTANCE OF 190.39 FEET TO THE NORTHWEST CORNER OF SAID LOT 10 OF SAID VACATED PRAIRIE DALE ADDITION, ALSO BEING THE NORTHWEST CORNER OF SAID LOT 1, BLOCK 1 BOL ADDITION; THENCE SOUTH 89 DEGREES 41 MINUTES 32 SECONDS EAST, A DISTANCE OF 357.85 FEET TO THE POINT OF BEGINNING. SAID TRACT CONTAINING 95,137 SQUARE FEET OR 2.184 ACRES, MORE OR LESS.

GENERAL NOTES:

1. BASIS OF BEARINGS: PLATTED BEARING ALONG NORTH LINE OF 'BOL ADDITION', ACCORDING TO THE RECORDED PLAT THEREOF (PLAT NO. PLC5-409B)

2. VERTICAL DATUM USED IS NAVD 88.

UTILITY COORDINATION BLOCK:

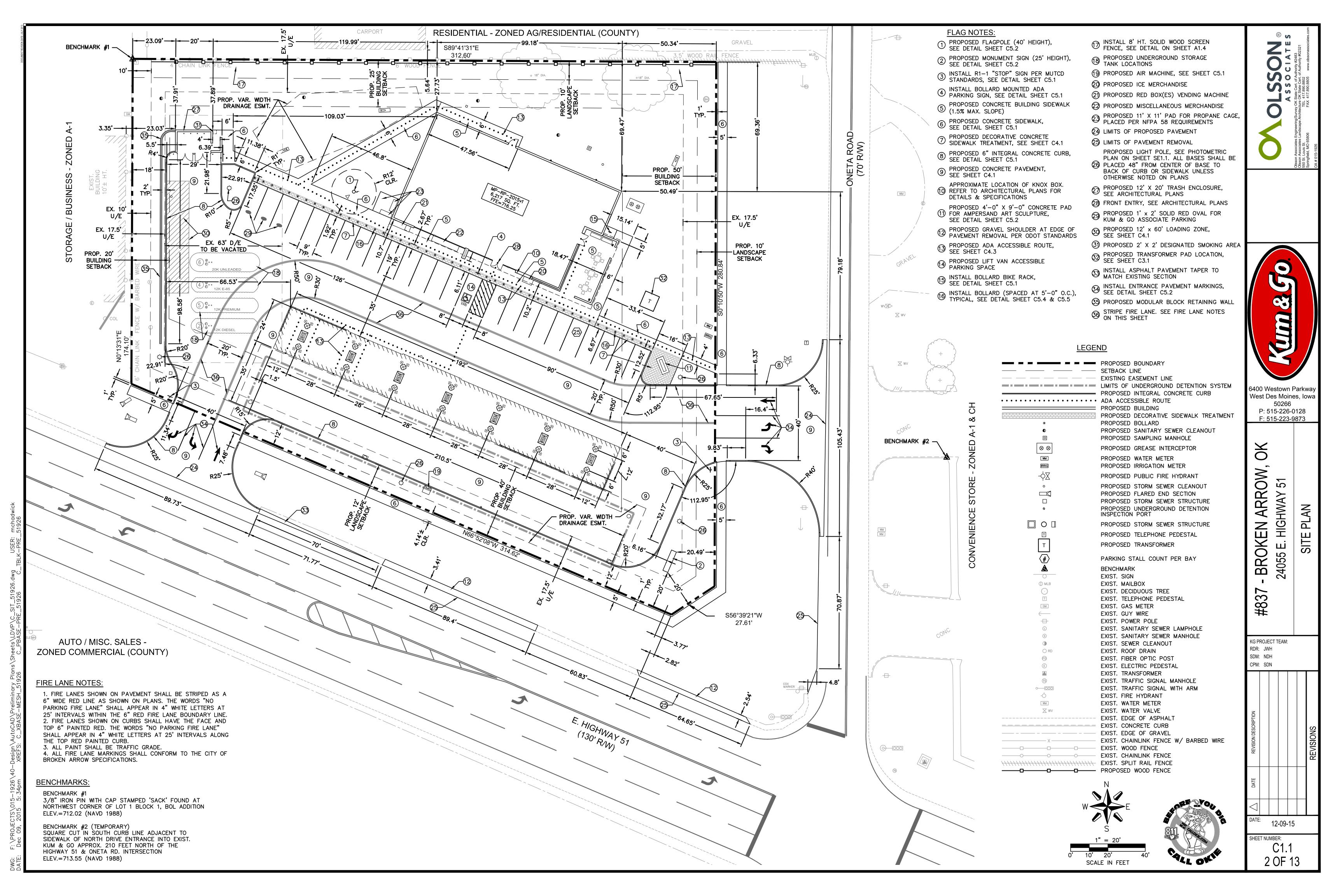
WATER COMPANY. .RICK LANG ELECTRIC COMPANY .MARK BUTLER GAS COMPANY. JAMES NOBLES TELEPHONE COMPANY. ..CHUCK WATSON DATE SUBMITTED:

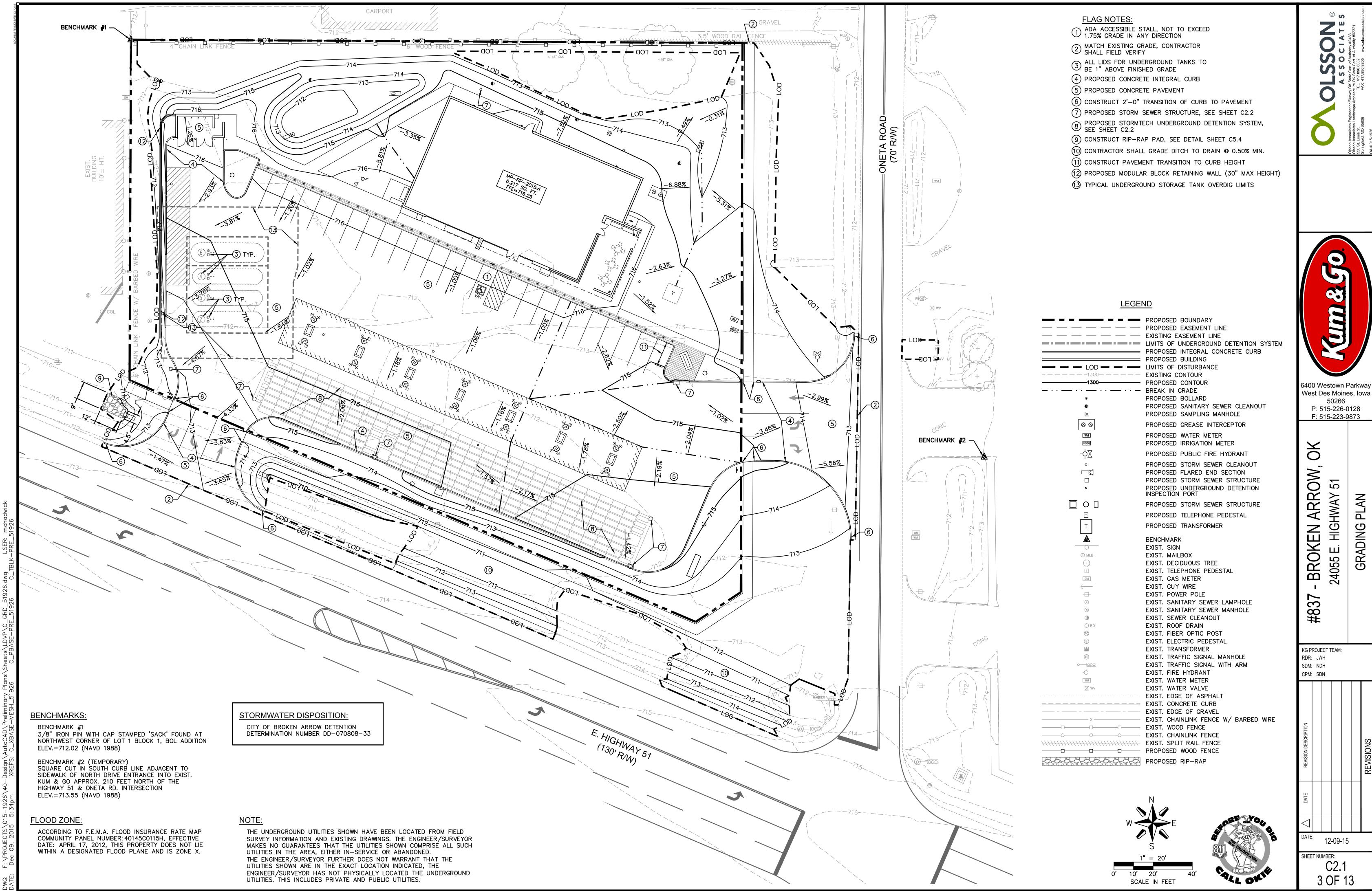


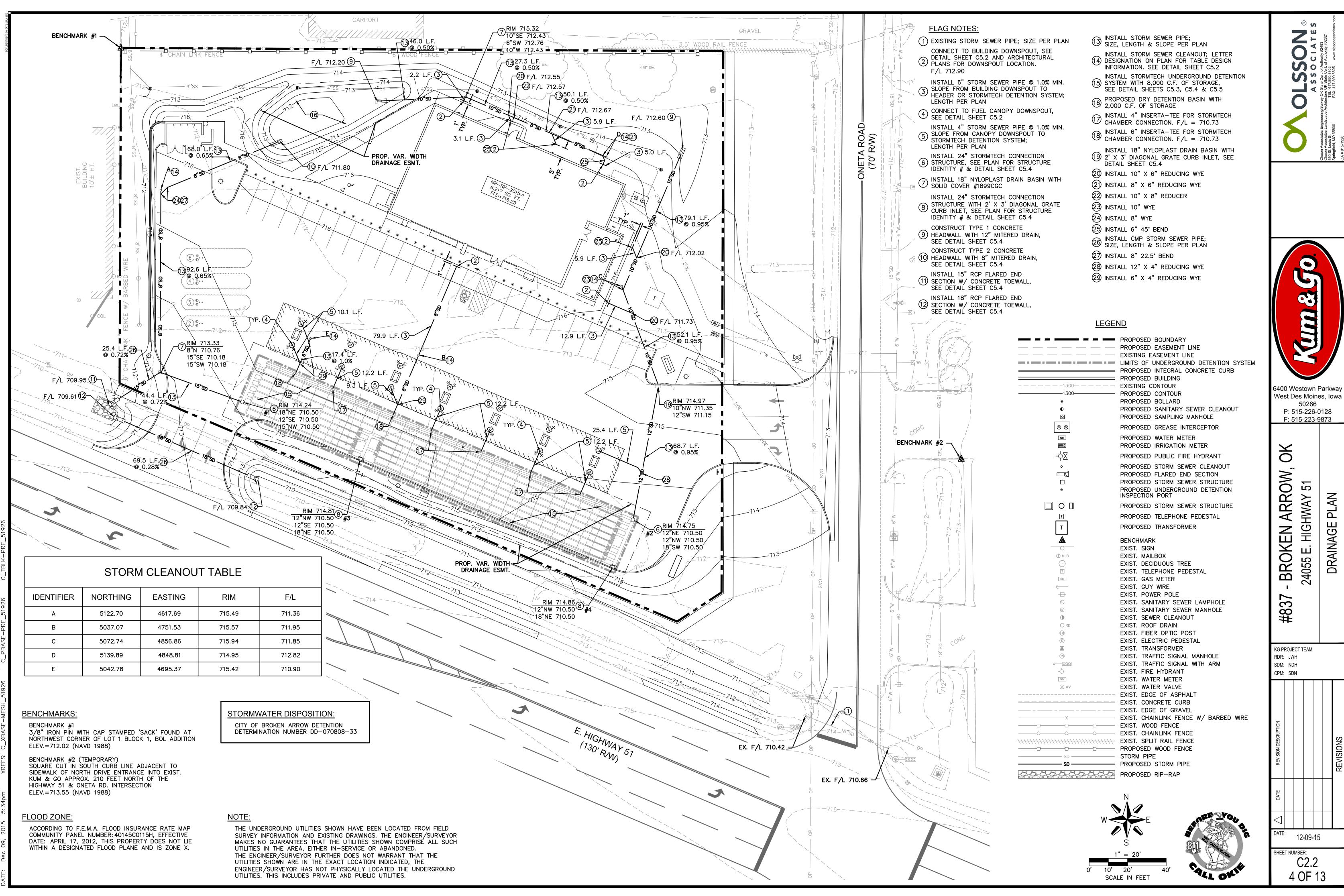


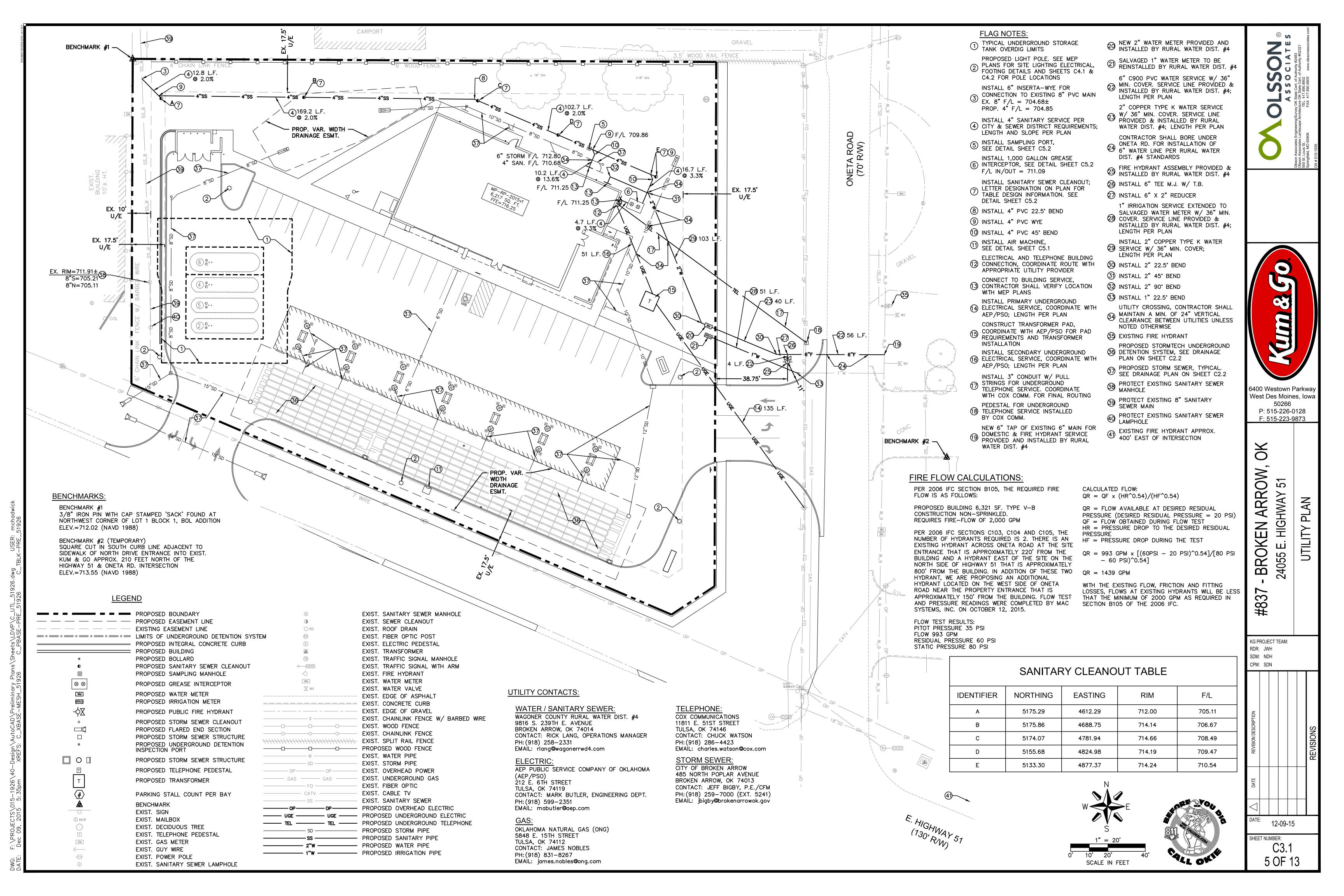


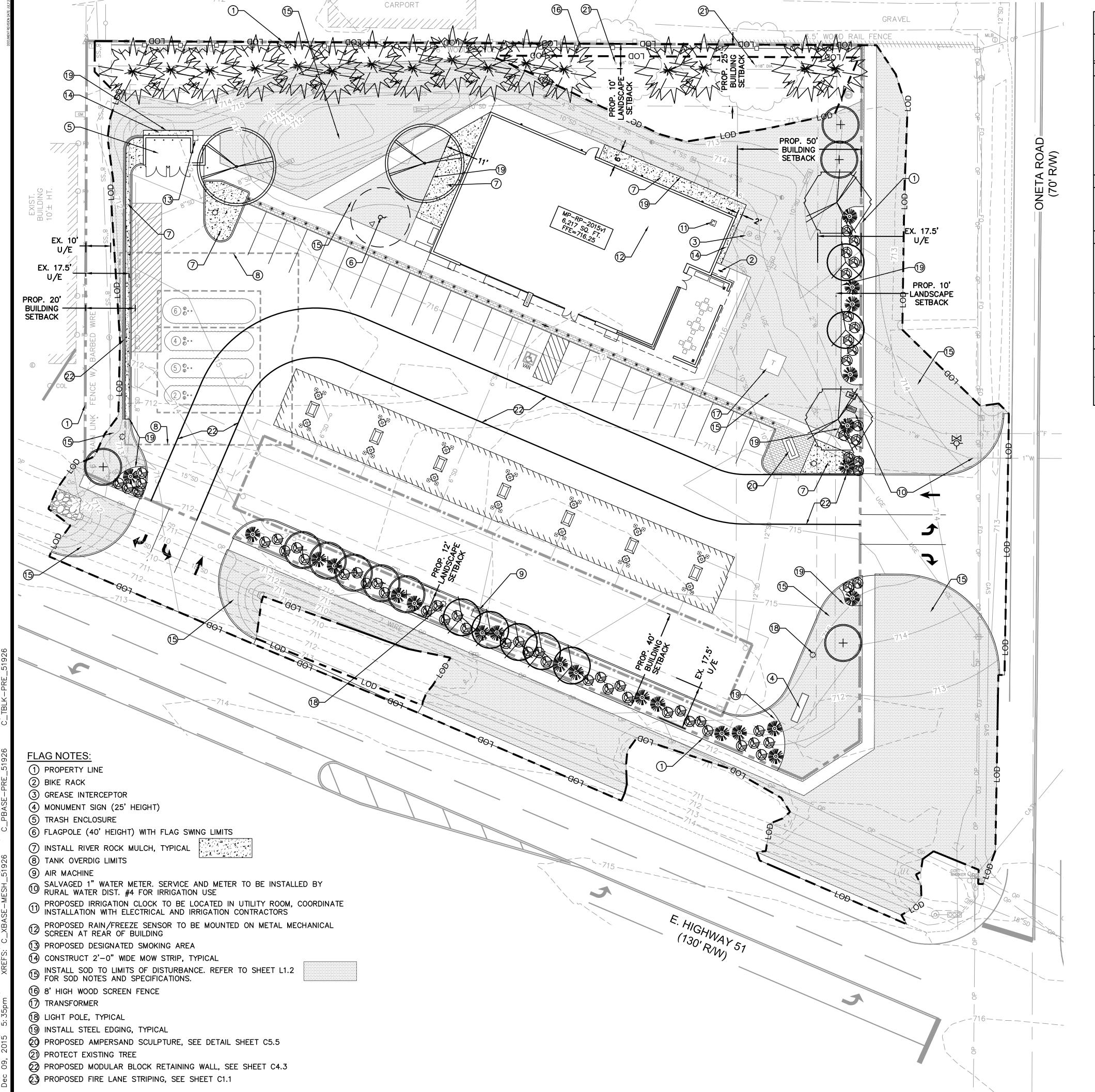
ZONING INFORMATION				
CN (COMMERCIAL NEIGHBORHOOD)				
MINIMUM LOT AREA	12,000 S.F.			
MINIMUM LOT WIDTH	100'			
SITE AREA PER UNIT	NO REQUIREMENT			
FRONT YARD SETBACK (E. HIGHWAY 51)	40' (PUD)			
INTERIOR SIDE YARD SETBACK (WEST)	20'			
STREET SIDE YARD SETBACK (ONETA RD.)	50'			
REAR YARD SETBACK (NORTH)	30'			
MAXIMUM HEIGHT	50'			
MAXIMUM BUILDING COVERAGE	NO REQUIREMENT			
MAXIMUM IMPERVIOUS COVERAGE	90% (PUD)			
MAXIMUM FLOOR AREA RATIO	NO REQUIREMENT			











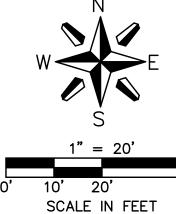
PLAN	NT LIST				
QTY.	SYMBOL	COMMON/SCIENTIFIC NAME	PLANTING SIZE	MATURE WIDTH	MATURE HEIGHT
SHADE	TREES				
2		OCTOBER GLORY RED MAPLE ACER RUBRUM 'OCTOBER GLORY'	2" CAL. B&B	25'-30'	40'-50'
2		SAWTOOTH OAK QUERCUS ACUTISSIMA	2" CAL. B&B	30'-40'	40'-50'
EVERGR	EEN TREES				
16	SANTA SANTA	CEDRUS ATLANTICA ATLAS CEDAR	5'-6' HIGH	35'-45'	50'-70'
UNDERS	STORY TREES	5			
9	+	DOWNY SERVICEBERRY AMELANCHIER ARBOREA	2" CAL.	15'-20'	20'-25'
7		EASTERN REDBUD CERCIS CANADENSIS	2" CAL.	20'-25'	20'-25'
EVERGR	EEN SHRUB	S			
58		DWARF SACRED BAMBOO NANDINA DOMESTICA 'NANA PURPUREA'	3 GAL.	1'-2'	1'-2'
23		SEA GREEN JUNIPER JUNIPERUS CHINENSIS 'SEA GREEN'	3 GAL.	6'-8'	4'-6'

<u>LEGEND</u>

WIRE
WIKE
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OVERHEAD CABLE

----- UGE ------ UNDERGROUND ELECTRIC





Sson Associates Engineering/Survey OK State Cert. of Authority #2483 sson Associates Landscape Architecture OK State Cert. of Authority #02321 TEL 417.890.8802



6400 Westown Parkway West Des Moines, Iowa 50266 P: 515-226-0128 F: 515-223-9873

- BROKEN ARROW, OK 24055 E. HIGHWAY 51 LANDSCAPE PLAN

KG PROJECT TEAM: RDR: JWH SDM: NDH CPM: SDN

#837

DATE REVISION DESCRIPTION

REVISION DESCRIPTION

DATE: 12-09-15

SHEET NUMBER:
L1.1
6 OF 13

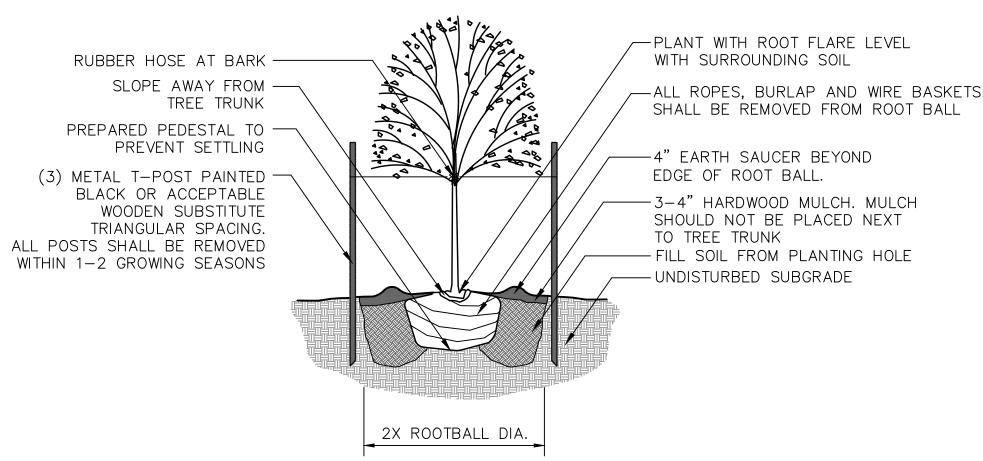
NOTES:

MINIMUM ROOT SPREAD TO BE IN ACCORDANCE WITH ANLA STANDARDS.

2. PRUNE DAMAGED LIMBS OR ROOTS AFTER INSTALLATION.

3. MAKE SURE ROOTS DO NOT DRY OUT DURING INSTALLATION. 4. SOAK GENEROUSLY TO COMPACT AND SETTLE.

SHRUB PLANTING DETAIL



1. DO NOT ALLOW AIR POCKETS TO FORM WHEN BACKFILLING. 2. IN AREAS OF TURF, SURROUND BED WITH 6' DIAMETER OF MULCH.

DECIDUOUS TREE PLANTING DETAIL NOT TO SCALE

LANDSCAPE CALCULATIONS

PROPERTY IS ZONED CN (COMMERCIAL NEIGHBORHOOD)

ADJACENT PROPERTY ZONING NORTH - AGRICULTURE/RESIDENTIAL IN COUNTY (RESIDENTIAL)

EAST - A-1 AND CH ACROSS RIGHT-OF-WAY (CONVENIENCE STORE)

SOUTH - COMMERCIAL IN COUNTY ACROSS RIGHT-OF-WAY (AUTO AND MISCELLANEOUS SALES) WEST - A-1 (STORAGE AND BUSINESS)

LOT AREAS IMPERVIOUS AREA

PERVIOUS AREA

TOTAL LOT AREA

= 45,916 SQ.FT. = 28,831 SQ.FT. = 74,747 SQ.FT. = 10.0% (AS A PUD)

TOTAL OPEN SPACE REQUIRED TOTAL OPEN SPACE PROVIDED = 38.6%

TOTAL NEW PARKING STALLS 25 PARKING STALLS REQUIRES = 2 TREES A MINIMUM OF 2" CALIPER

(1 TREE PER 15 PARKING STALLS. TREES SHALL BE ON THE CITY'S APPROVED TREE LIST) LANDSCAPE PLANTING PROVIDED = 2 TREES WITH 2" CALIPER

LANDSCAPE EDGE - NORTH

PERIMETER GREEN 10' WIDE (1 MEDIUM/LARGE EVERGREEN TREE PER 20' PLUS 8' HIGH OPAQUE FENCE) 313 L.F. OF ADJACENT PROPERTY FRONTAGE FRONTAGE

LANDSCAPE REQUIRED = 16 MEDIUM/LARGE EVERGREEN TREES AND AN 8' HIGH OPAQUE FENCE LANDSCAPE PROVIDED = 16 MEDIUM/LARGE EVERGREEN TREES AND AN 8' HIGH OPAQUE FENCE

LANDSCAPE EDGE - EAST

LANDSCAPE EDGE REQUIRED 10' WIDE (1 TREE OF A 2" CALIPER PER 50' PER CITY'S TREE LIST OR 1 TREE OF A 2" CALIPER AND 10 SHRUBS OF A 3 GALLON PER 50' PER CITY'S TREE LIST IF PARKING LOTS AND DRIVES ABUT THE LANDSCAPE EDGE AND THE LANDSCAPE EDGE IS LESS THAN 30' WIDE) 183 L.F. FRONTAGE WITHOUT ABUTTING PARKING AND DRIVES

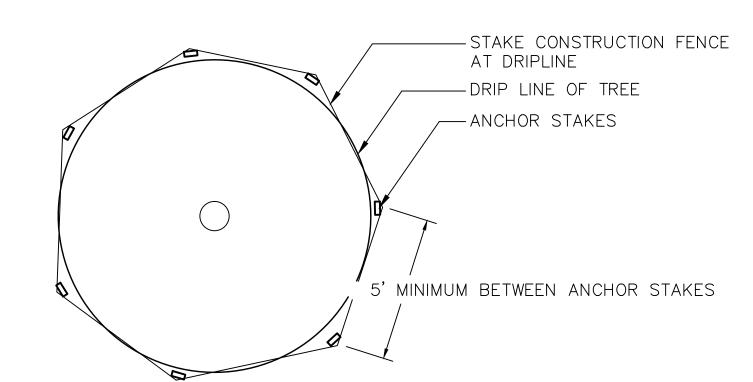
126 L.F. FRONTAGE WITH ABUTTING PARKING AND DRIVES

LANDSCAPE REQUIRED = 7 TREES WITH 2" CALIPER AND 25 SHRUBS OF 3 GALLON LANDSCAPE PROVIDED = 7 TREES WITH 2" CALIPER AND 25 SHRUBS OF 3 GALLON

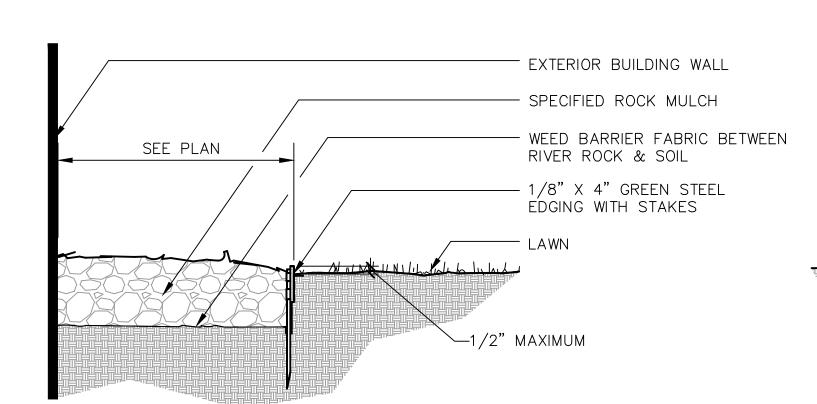
LANDSCAPE EDGE - SOUTH

LANDSCAPE EDGE REQUIRED 12' WIDE (1 TREE OF A 2" CALIPER PER 30' PER CITY'S TREE LIST OR 1 TREE OF A 2" CALIPER PER 30' AND 10 SHRUBS OF A 3 GALLON PER 50' PER CITY'S TREE LIST IF PARKING LOTS AND DRIVES ABUT THE LANDSCAPE EDGE AND THE LANDSCAPE EDGE IS LESS THAN 30' WIDE) 37 L.F. FRONTAGE WITHOUT ABUTTING PARKING AND DRIVES 278 L.F. FRONTAGE WITH ABUTTING PARKING AND DRIVES

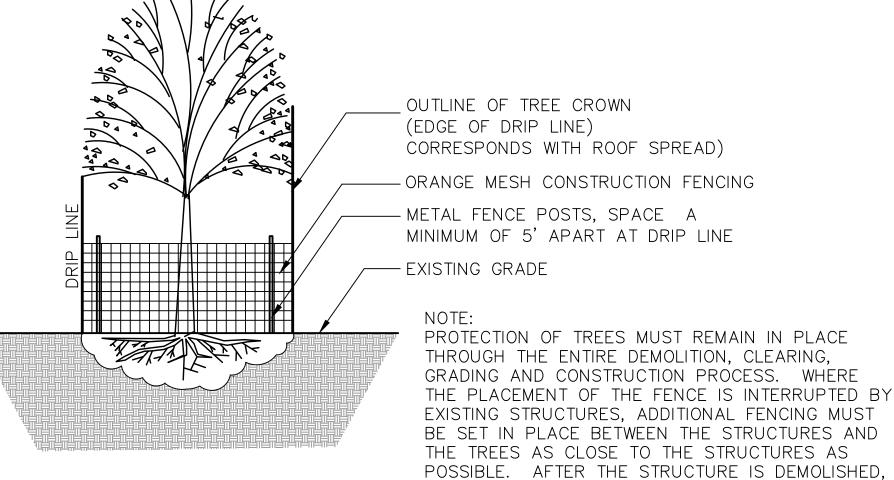
LANDSCAPE REQUIRED = 11 TREES WITH 2" CALIPER AND 56 SHRUBS OF 3 GALLON LANDSCAPE PROVIDED = 11 TREES WITH 2" CALIPER AND 56 SHRUBS OF 3 GALLON







MOW STRIP DETAIL NOT TO SCALE



EXISTING TREE PROTECTION DETAIL NOT TO SCALE

THE FENCE MUST BE RESET AT THE DRIP-LINE.

SODDING NOTES

- 1. UNLESS OTHERWISE NOTED ON PLANS, ALL DISTURBED AREAS SHALL BE SODDED WITH TURF-TYPE TALL FESCUE SOD WITH A MINIMUM OF 3 CULTIVARS. AREAS CALLED OUT ON PLANS TO BE SEEDED SHALL BE SEEDED WITH MATCHING TURF-TYPE TALL FESCUE SEED WITH A MINIMUM OF 3 CULTIVARS.
- 2. ALL LAWN AREAS SHALL RECEIVE A MINIMUM 6-INCH DEPTH OF TOPSOIL COMPACTED TO 85% MAXIMUM DENSITY AT OPTIMUM MOISTURE
- 3. THE ENTIRE SURFACE TO BE SODDED SHALL BE REASONABLY SMOOTH AND FREE FROM STONES, ROOTS, OR OTHER DEBRIS.
- 4. SOD SHALL BE MACHINE STRIPPED AT A UNIFORM SOIL THICKNESS OF APPROXIMATELY ONE INCH (PLUS OR MINUS 1/4-INCH). THE MEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH, AND SHALL BE DETERMINED AT THE TIME OF CUTTING IN THE FIELD. PRECAUTIONS SHALL BE TAKEN TO PREVENT DRYING AND HEATING. SOD DAMAGED BY HEAT AND DRY CONDITIONS, AND SOD CUT MORE THAN 18 HOURS BEFORE BEING INCORPORATED INTO THE WORK SHALL NOT BE USED.
- 5. HANDLING OF SOD SHALL BE DONE IN A MANNER THAT WILL PREVENT TEARING, BREAKING. DRYING AND OTHER DAMAGE, PROTECT EXPOSED ROOTS FROM DEHYDRATION. DO NOT DELIVER MORE SOD THAN CAN BE LAID WITHIN 24 HOURS.
- 6. MOISTEN PREPARED SURFACE IMMEDIATELY PRIOR TO LAYING SOD. WATER THOROUGHLY AND ALLOW SURFACE TO DRY BEFORE INSTALLING SOD. FERTILIZE, HARROW OR RAKE FERTILIZER IN THE TOP 1-1/2-INCHES OF TOPSOIL, AT A UNIFORM RATE OF ONE POUND OF NITROGEN PER 1000 S.F.
- 7. SOD SHALL BE CAREFULLY PLACED IN THE DIRECTION PARALLEL WITH THE SLOPE OF THE AREA TO BE SODDED. SOD STRIPS SHALL BE BUTTED TOGETHER BUT NOT OVERLAPPED WITH THE SEAMS STAGGERED ON EACH ROW.
- 8. FERTILIZER SHALL BE 20-10-5 COMMERCIAL FERTILIZER OF THE GRADE, TYPE, AND FORM SPECIFIED AND SHALL COMPLY WITH THE RULES OF THE STATE OF OKLAHOMAI DEPT. OF AGRICULTURE. FERTILIZER SHALL BE IDENTIFIED ACCORDING TO THE PERCENT N, P, K, IN THAT ORDER.
- 9. ALL SOD ON SLOPES GREATER THAN 5:1 SHALL BE STAKED.
- 10. SATURATE SOD WITH FINE WATER SPRAY WITHIN TWO HOURS OF PLANTING. DURING FIRST WEEK AFTER PLANTING, WATER DAILY OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN MOIST SOIL TO A MINIMUM DEPTH OF FOUR INCHES BELOW SOD.
- 11. CONTRACTOR SHALL PROVIDE FULL MAINTENANCE FOR SODDED TURF GRASS FOR A PERIOD OF 30 DAYS AFTER THE DATE OF FINAL ACCEPTANCE OR STORE OPENING, WHICHEVER IS GREATER. AT THE END OF THE MAINTENANCE PERIOD, A HEALTHY, WELL-ROOTED. EVEN-COLORED, VIABLE TURF MUST BE ESTABLISHED. THE TURF GRASS SHALL BE FREE OF WEEDS, OPEN JOINTS, BARE AREAS, AND SURFACE IRREGULARITIES.

GENERAL NOTES

- 1. ALL WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES.
- 2. LOCATE AND FLAG ALL UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL PROTECT EXISTING OVERHEAD AND UNDERGROUND UTILITIES. ANY DAMAGE TO SUCH SHALL BE REPAIRED BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
- 3. PLANTS AND OTHER MATERIALS ARE QUANTIFIED AND SUMMARIZED FOR THE CONVENIENCE OF THE CITY AND LOCAL GOVERNING BODIES. CONFIRM AND INSTALL SUFFICIENT QUANTITIES TO COMPLETE THE WORK AS DRAWN.
- 4. PLAN IS SUBJECT TO CHANGES BASED ON PLANT SIZE AND MATERIAL AVAILABILITY. ALL CHANGES OR SUBSTITUTIONS MUST BE APPROVED BY THE CITY OF BROKEN ARROW, OKLAHOMA AND THE LANDSCAPE ARCHITECT.
- 5. ALL PLANT MATERIAL SHALL BE NURSERY GROWN TO MEET MINIMUM SIZE AS SPECIFIED IN THE AMERICAN STANDARD FOR NURSERY STOCK ESTABLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION (ANLA). THE LANDSCAPE ARCHITECT OR OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT ANY PLANT MATERIAL NOT MEETING SPECIFICATIONS.
- 6. PLANTING OF SHRUBS, SOD AND SEEDED TURFGRASS SHALL BE COMMENCED DURING EITHER THE SPRING (MARCH 15-JUNE 15) OR FALL (SEPTEMBER 1 - OCTOBER 15) PLANTING SEASON AND WITH WATER AVAILABLE FOR IRRIGATION PURPOSES.
- 7. THE LANDSCAPE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND MATERIALS INJURIOUS TO PLANT GROWTH FROM PLANTING PITS AND BEDS PRIOR TO BACKFILLING WITH PLANTING MIX.
- 8. A PRE-EMERGENT HERBICIDE SHALL BE APPLIED TO ALL SHRUB BEDS PRIOR TO THE INSTALLATION OF ANY PLANT MATERIAL
- 9. BACKFILL ALL PLANTING BEDS TO A MINIMUM 12-INCH DEPTH WITH PLANTING SOIL MIX. PLANTING SOIL MIX SHALL CONSIST OF ONE (1) PART PERLITE, ONE (1) PART PEAT MOSS, AND TWO (2) PARTS CLEAN LOAM TOPSOIL. THOROUGHLY MIX PLANTING SOIL COMPONENTS PRIOR TO PLACEMENT
- 10. ALL PLANTING AREAS EXCEPT SOD AREAS AND PERENNIAL BEDS SHALL CONTAIN RIVER ROCK MULCH AND INCLUDE A GEOTEXTILE WEED BARRIER FABRIC. UNLESS CALLED OUT OTHERWISE ON PLANS. RIVER ROCK SHALL BE 4"-6" IN DIAMETER AND 8" IN DEEP IN ALL AREAS.
- 11. ALL LANDSCAPE AREAS AND SOD AREAS SHALL BE IRRIGATED WITH A HIGH-EFFICIENCY, AUTOMATIC IRRIGATION SYSTEM ACHIEVING 100% EVEN COVERAGE OF ALL LANDSCAPE AREAS. IRRIGATION SYSTEM SHALL BE DESIGNED TO MEET ALL CITY REQUIREMENTS. DRIP IRRIGATION SHALL BE USED IN ALL LANDSCAPE BEDS AND SPRAY HEADS SHALL BE USED ON ALL SODDED AREAS. REFER TO CIVIL PLANS FOR IRRIGATION METER LOCATION.
- 12. STEEL LANDSCAPE EDGING IS TO BE USED ON ALL LANDSCAPE BEDS OR ROCK BEDS ABUTTING SODDED AREAS AS NOTED ON LANDSCAPE
- 13. KILL AND REMOVE ALL EXISTING WEEDS FROM THE SITE AREA PRIOR TO PLANTING.
- 14. THE ENTIRE SURFACE TO BE SEEDED SHALL BE REASONABLY SMOOTH AND FREE FROM STONES, ROOTS, OR OTHER DEBRIS.
- 15. ALL DISTURBED AREAS, WITH THE EXCEPTION OF PAVED, GRAVEL OR SODDED AREAS, SHALL BE HYDROSEEDED WITH A BLEND OF 90% IMPROVED TURF-TYPE TALL FESCUE AND 10% ANNUAL RYE AT A RATE OF 10 LBS/1,000 SF.
- 16. HYDROSEED MIX SHALL INCLUDE: CONWED OR SILVA FIBER - 1,500 LBS/AC. FERTILOME 9-13-7 FERTILIZER - 500 LBS/AC
- CONWEB TACKIFIER 40 LBS/AC (7 LBS/100 GAL)
- 17. ALL AREAS TO BE HYDROSEEDED SHALL BE SCARIFIED PRIOR TO SEEDING TO ENSURE A FIRM BUT FRIABLE SEED BED.
- 18. PRIOR TO HYDROSEED GERMINATION, A PREMERGENT HERBICIDE SHALL BE APPLIED. THE CONTRACTOR IS RESPONSIBLE FOR COMPATIBILITY OF HERBICIDE WITH HYDROSEEDED PLANT MATERIAL. 19. SEEDING AND MULCHING MUST BE DONE WHENEVER WORK IS COMPLETE REGARDLESS OF THE SEASON. WHENEVER SEEDING AND
- MULCH IS INSTALLED OUTSIDE THE PERMANENT SEEDING SEASON, THE CONTRACTOR WILL BE RESPONSIBLE FOR REPLANTING AND MULCHING ANY AREAS WHERE GROWTH HAS NOT BECOME ESTABLISHED DURING THE NEXT PERMANENT SEEDING SEASON.
- 20. LANDSCAPE CONTRACTOR IS TO BE RESPONSIBLE FOR WATERING ALL PLANT MATERIALS UNTIL THE TIME THE PERMANENT IRRIGATION SYSTEM IS FULLY FUNCTIONAL AND ACCEPTANCE OF THE PROJECT HAS TAKEN PLACE. ANY MATERIAL WHICH DIES, OR DEFOLIATES (PRIOR TO ACCEPTANCE OF THE WORK) WILL BE PROMPTLY REMOVED AND REPLACED.
- 21. THE CONTRACTOR WILL COMPLETELY GUARANTEE ALL WORK FOR A PERIOD OF ONE YEAR BEGINNING AT THE DATE OF ACCEPTANCE, OR STORE OPENING, WHICHEVER IS GREATER. CONTRACTOR WILL MAKE ALL REPLACEMENTS PROMPTLY (AS PER DIRECTION OF OWNER).

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#8 KG PROJECT TEAM: RDR: JWH

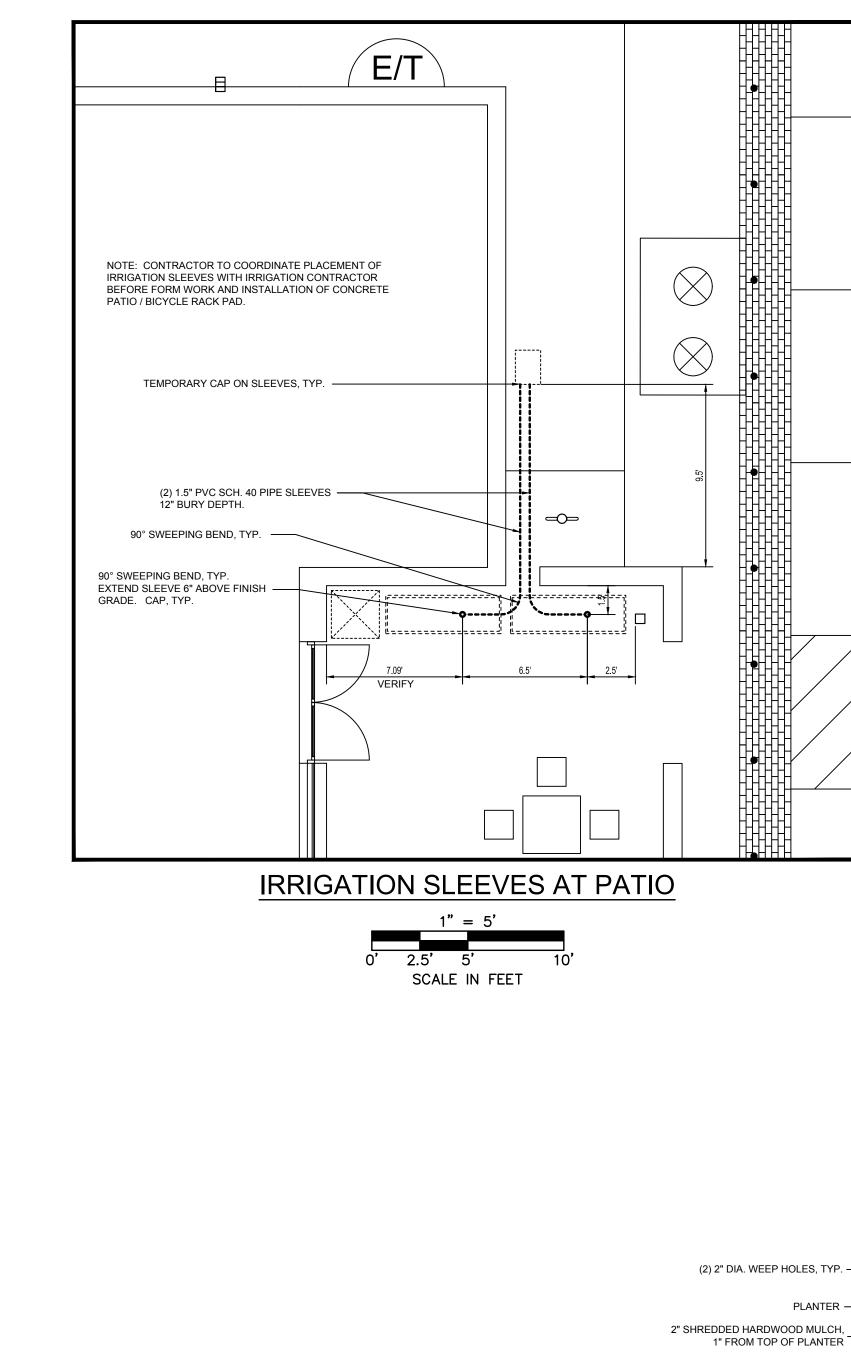
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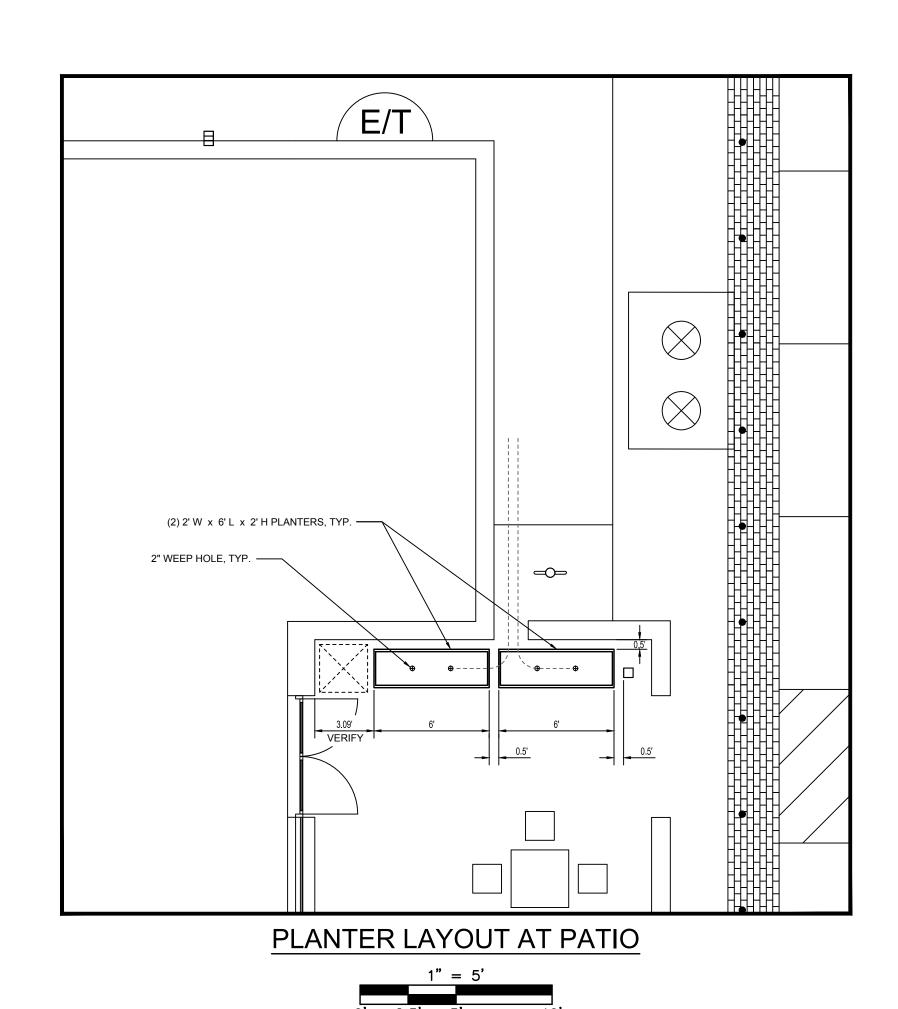
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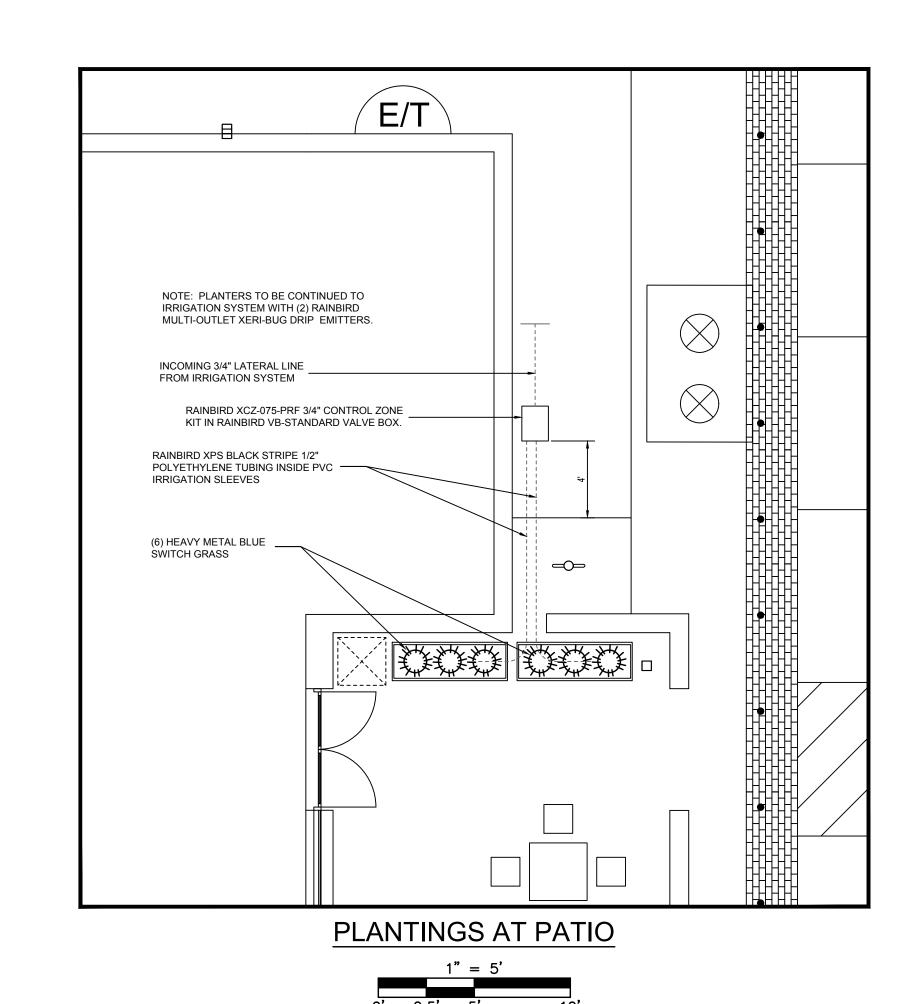
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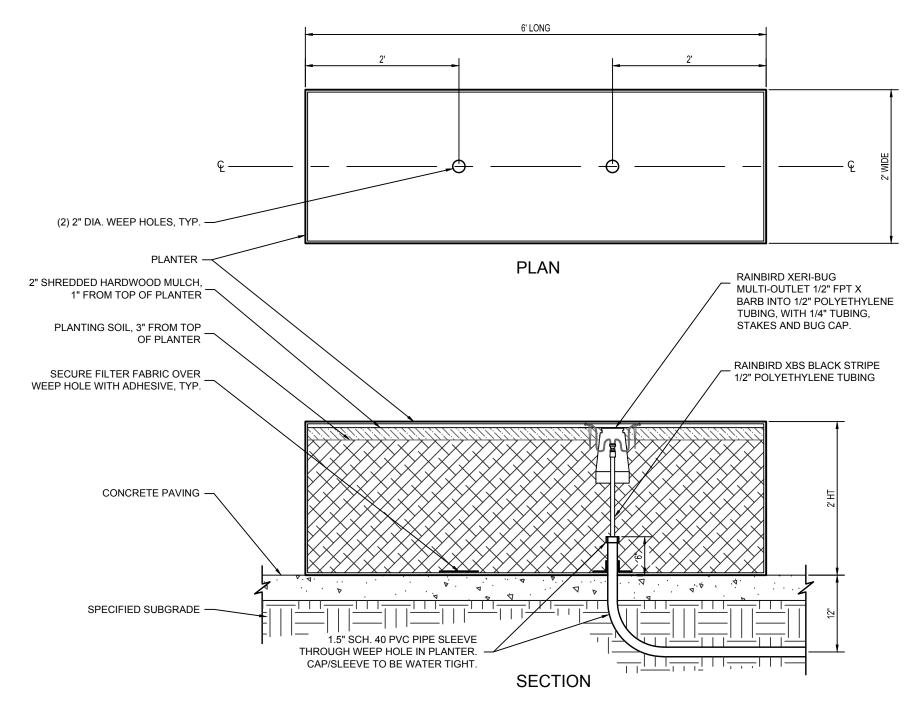
12-09-15

SHEET NUMBER: 7 OF 13









PLANTER DETAIL

PLAN	T LIST						
QTY.	SYMBOL	COMMON / SCIENTIFIC NAME	PLANTING SIZE	MATURE WIDTH	MATURE HEIGHT	NOTES	
PERENNIALS							
6		HEAVY METAL BLUE SWITCH GRASS - PANICUM VIRGATUM 'HEAVY METAL'	1 GAL.	18"-30"	30"-36"		

PLANTING SOIL SPECIFICATIONS:

PLANTING SOIL: A UNIFORM MIX OF, FREE OF PLANT RESIDUE, STONES, STUMPS ROOTS OR SIMILAR OBJECTS LARGER THAN 1 INCH. MIXTURE OF TOPSOIL, ORGANIC COMPOST AND SAND CONSISTING OF THE FOLLOWING:

15% BY VOLUME ORGANIC COMPOST

15% BY VOLUME SAND 70% BY VOLUME TOPSOIL

ORGANIC COMPOST: WELL DECOMPOSED, STABLE, WEED FREE ORGANIC MATTER SOURCE. IT SHALL BE DERIVED FROM; AGRICULTURE, FOOD, OR INDUSTRIAL RESIDUALS; BIOSOLIDS (TREATED SEWAGE SLUDGE); YARD TRIMMINGS AND LEAF RAKINGS;

SOURCE-SEPARATED OR MIXED SOLID WASTE MEETING THE FOLLOWING CRITERIA:

- 1. 100 PERCENT SHALL PASS THROUGH A 3/8 INCH SCREEN. 2. PH OF 6.0 TO 8.5. 3. MOISTURE CONTENT OF 30% TO 60% BY WEIGHT.
- 4. NO SUBSTANCES TOXIC TO PLANTS.
- 5. 1% OR LESS BY WEIGHT MANUFACTURED FOREIGN MATTER. 6. NO OBJECTIONABLE ODOR.
- 7. SHALL NOT RESEMBLE THE RAW MATERIAL FROM WHICH IT DERIVED.
- TOPSOIL: SOIL CLASSIFICATION OF SANDY LOAM OR LOAMY SAND MEETING THE FOLLOWING CRITERIA: 1. 50 TO 85 PERCENT BY WEIGHT SAND (2.0 TO 0.050MM) ACCORDING TO AASHTO T88.
- 2. 5 TO 50 PERCENT BY WEIGHT SILT (0.050 TO 0.002MM) ACCORDING TO AASHTO T88.
- 3. 2 TO 5 PERCENT BY WEIGHT CLAY (LESS THAN 0.002MM) ACCORDING TO AASHTO T88. 4. 3 TO 10 PERCENT BY WEIGHT ORGANIC MATTER ACCORDING TO AASHTO T194.
- 5. TEXTURAL ANALYSIS: A. MINIMUM 100% BY WEIGHT PASSING THE 2" SIEVE PER ASTM E11.
 B. MINIMUM 90% BY WEIGHT PASSING THE NO, 4 PER ASTM E11.
- C. MINIMUM 80% BY WEIGHT PASSING THE NO. 10 SIEVE PER ASTM E11.

PLANTER SPECIFICATIONS:

PLANTER BY: TOURNESOL SITE WORKS HAYWARD, CA 1-800-542-2282

WILSHIRE COLLECTION - RECTANGLE (WR-722424) 72"L x 24"W x 24"H MATERIAL: FRP (FIBERGLASS REINFORCED PLASTIC)

T-0 (SMOOTH)

PUDDLE (SEMI-GLOSS)

12-09-15

6400 Westown Parkway West Des Moines, Iowa 50266 P: 515-226-0128 F: 515-223-9873

DETAILS

PLANTER I

24055

BROKEN ARROW

#83

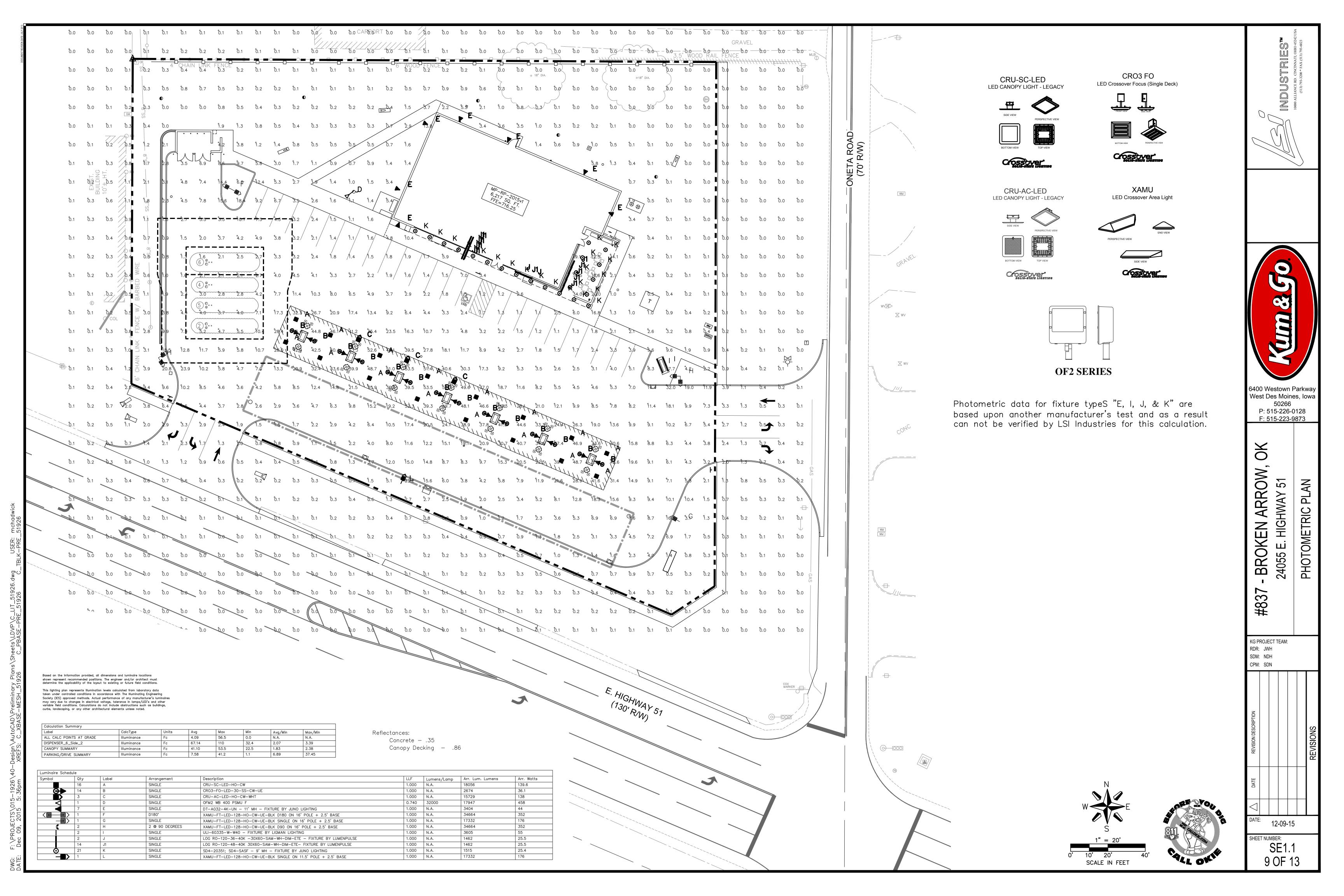
RDR: JWH

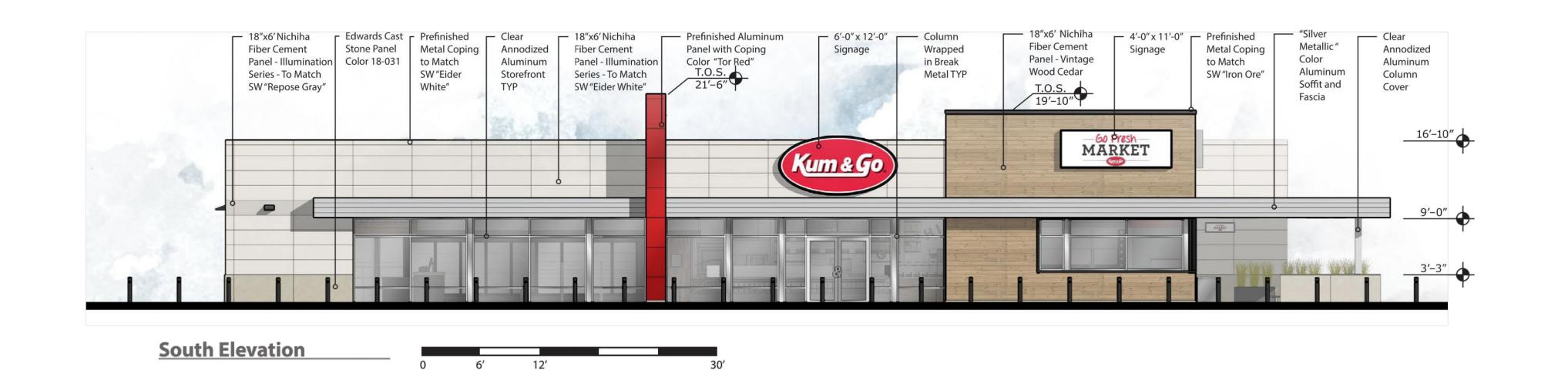
SDM: NDH

CPM: SDN

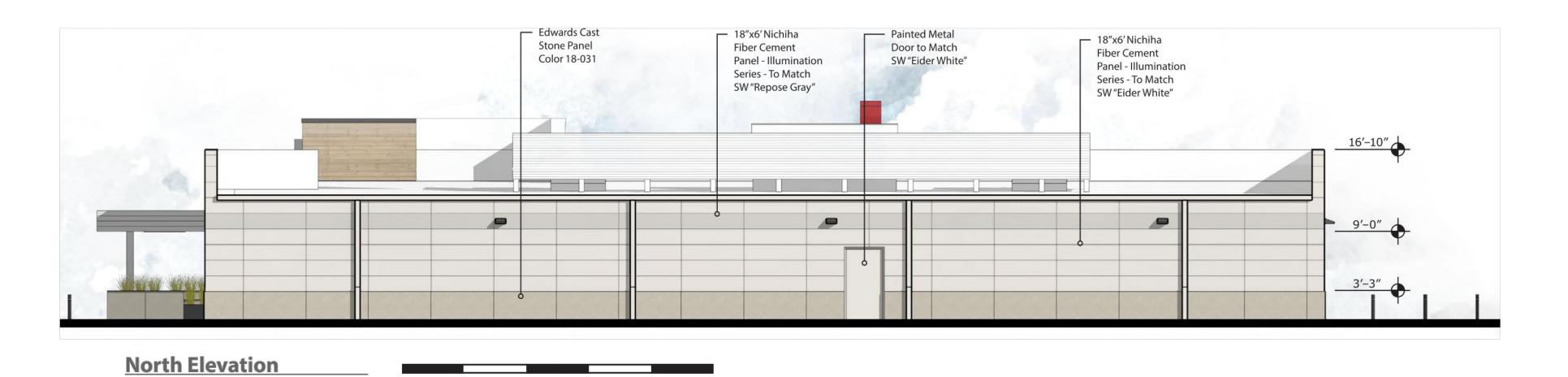
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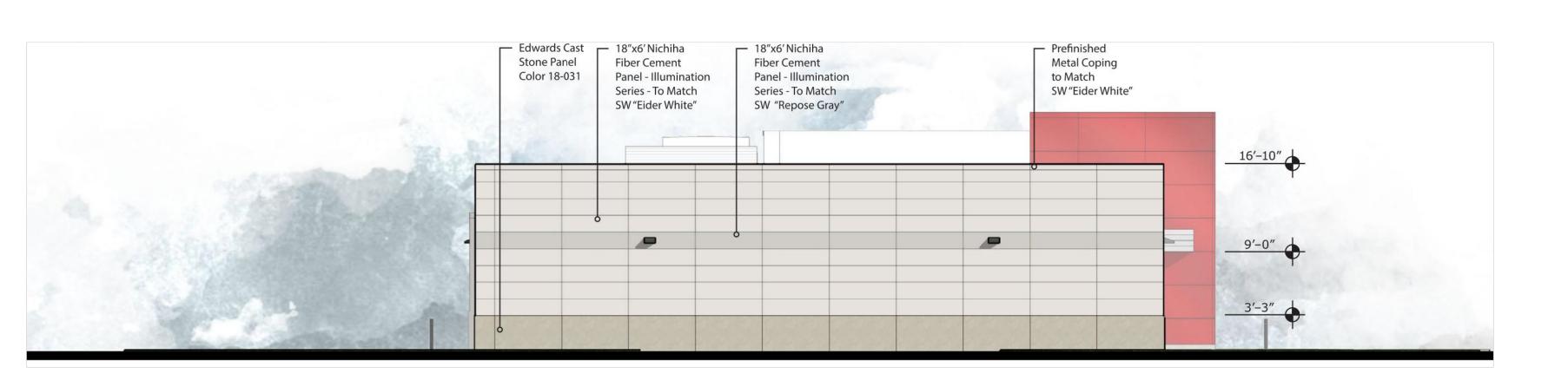
SHEET NUMBER:











West Elevation

0 6' 12' 30'

B R R

SEAL



6400 Westown Parkway West Des Moines, Iowa 50266 P: 515-226-0128 F: 515-223-9873

#837 - BROKEN ARROW, OK HWY 51 & ONETA RD

XTERIOR ELEVATION

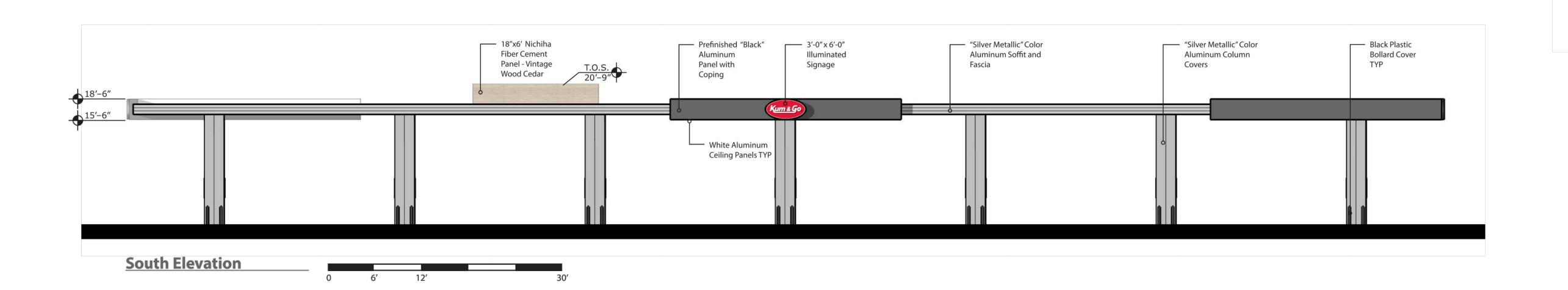
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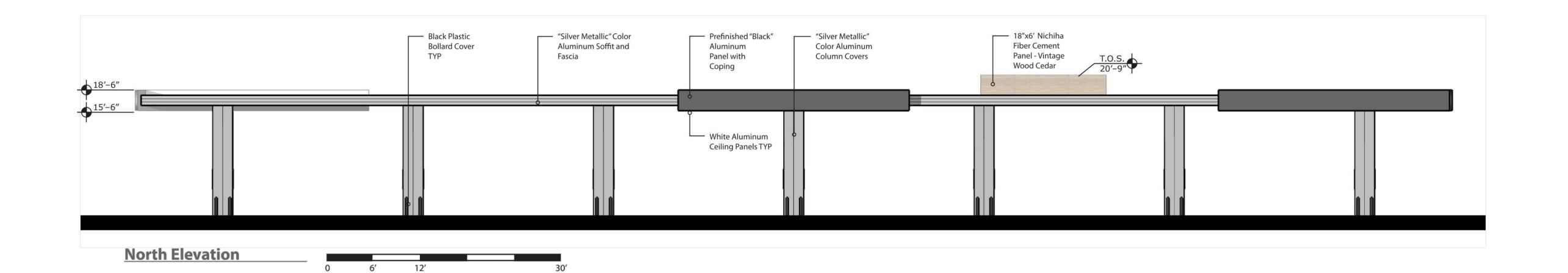
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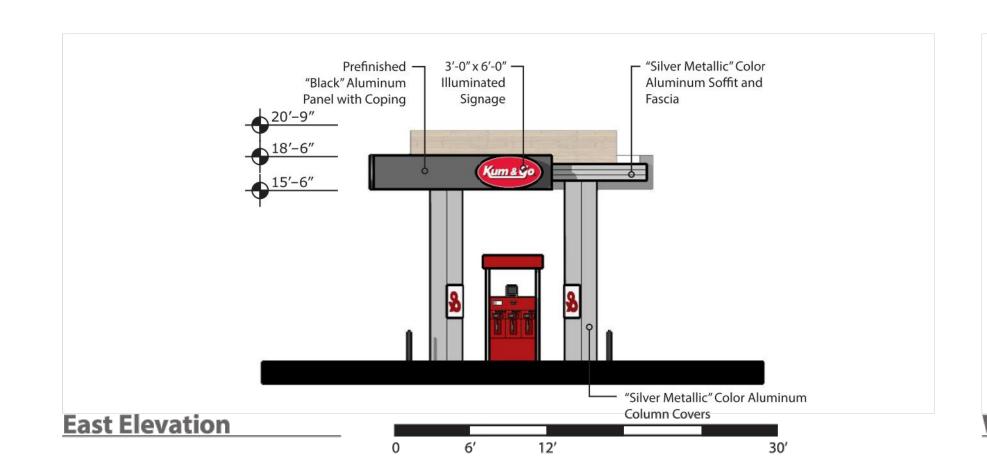
REVISIONS

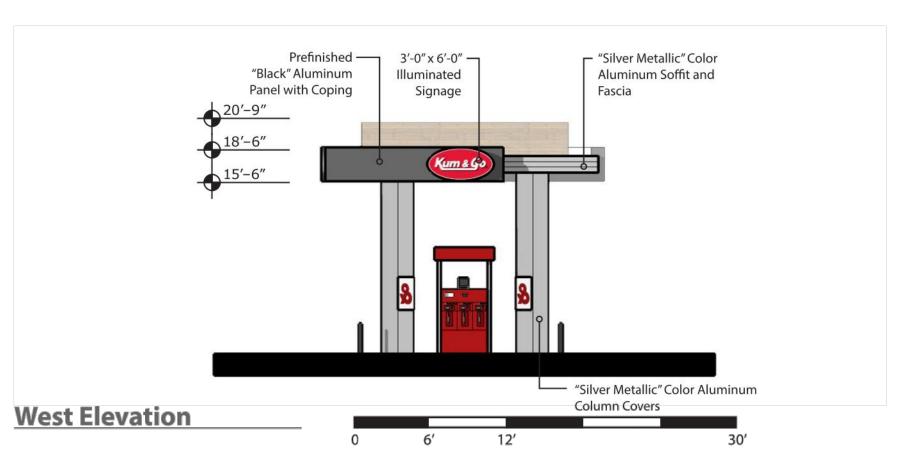
DATE: 12-09-15

SHEET NUMBER: A1.1 10 OF 13





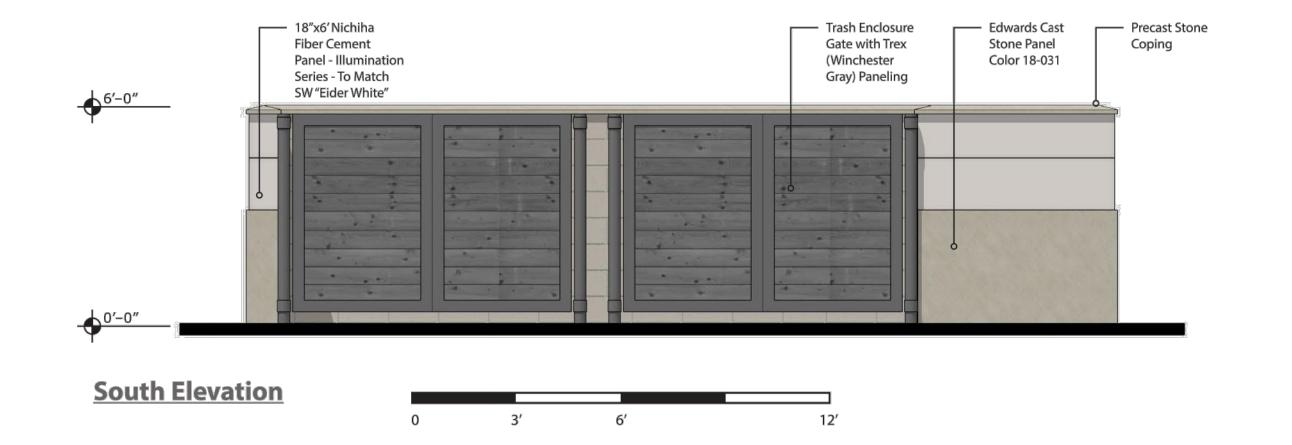


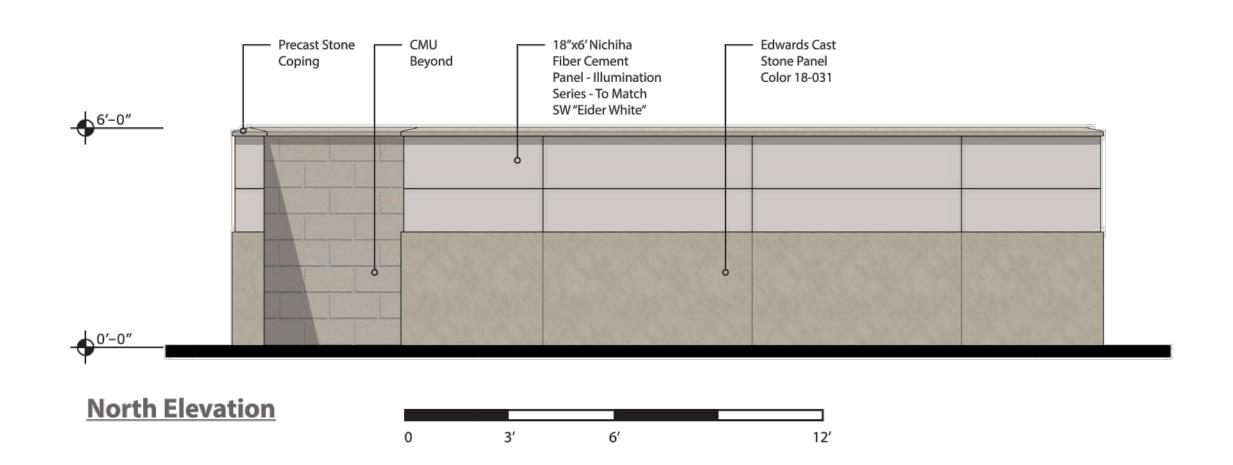


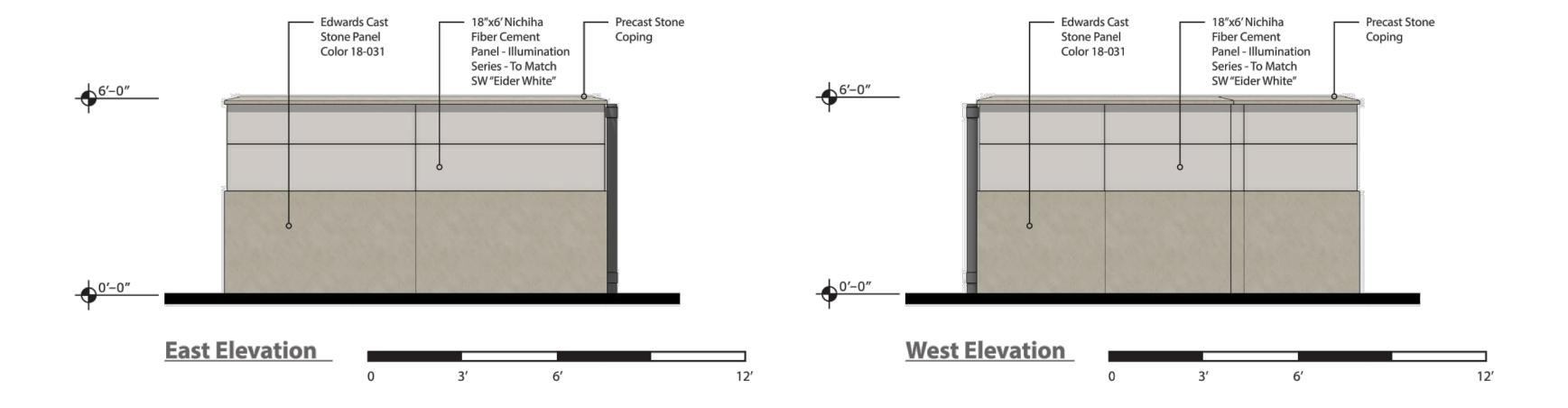
_____ SEAL 6400 Westown Parkway West Des Moines, Iowa 50266 P: 515-226-0128 F: 515-223-9873 #837 - BROKEN ARROW, OK HWY 51 & ONETA RD CANOPY ELEVATIONS KG PROJECT TEAM:

12-09-15

SHEET NUMBER: A1.2 11 OF 13













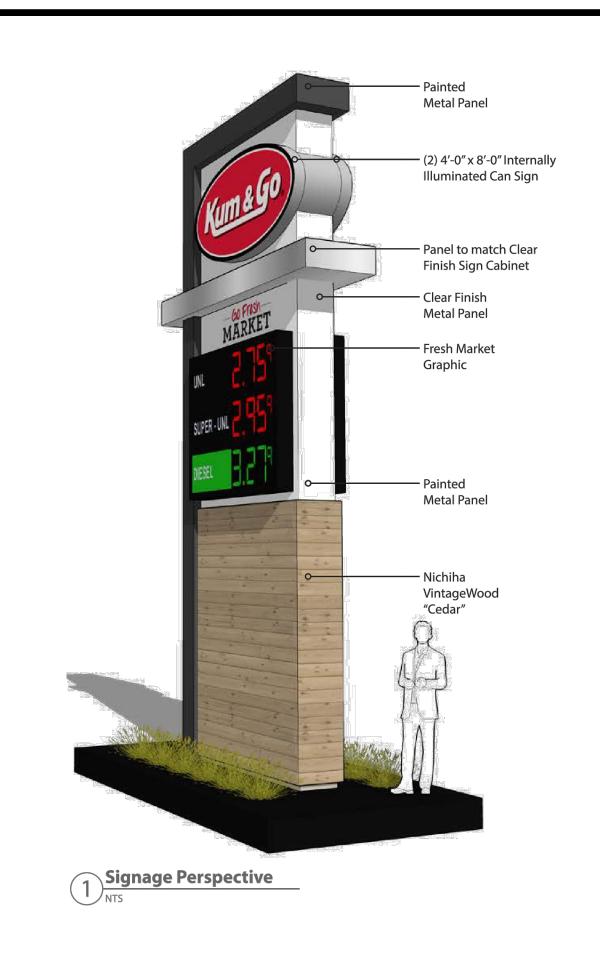
West Des Moines, Iowa 50266 P: 515-226-0128 F: 515-223-9873 TRASH ENCLOSURE ELEVATIONS

#837 - BROKEN ARROW, OK HWY 51 & ONETA RD

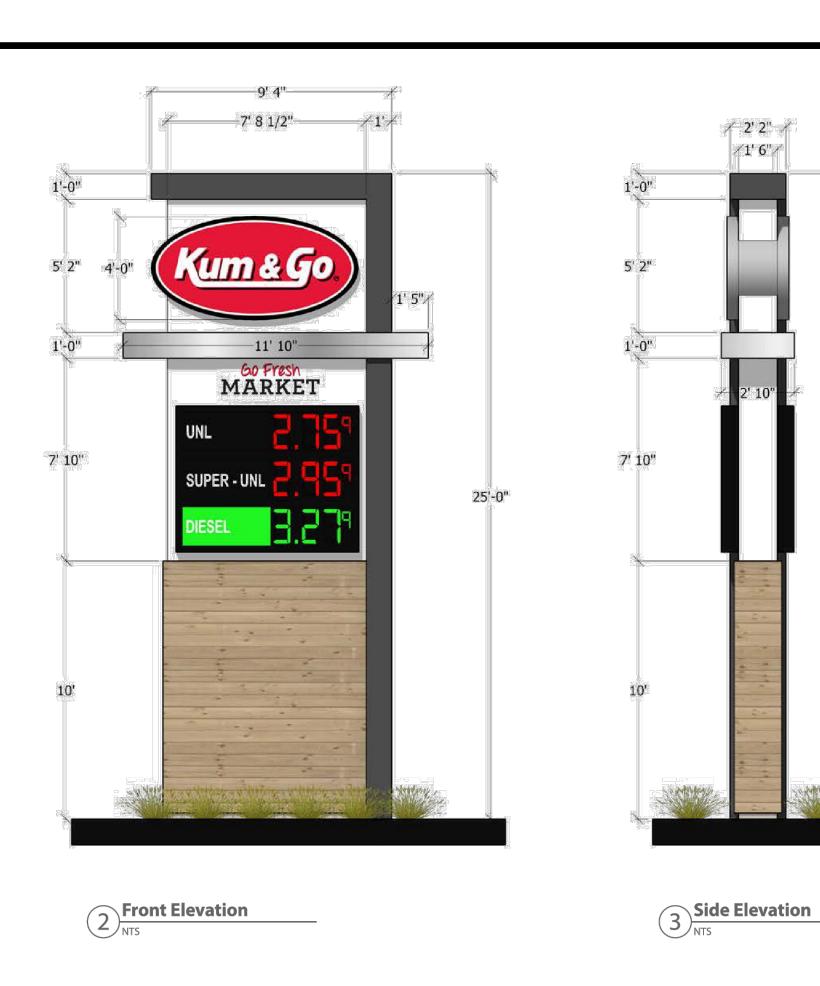
KG PROJECT TEAM: RDM: SDM:

12-09-15

SHEET NUMBER: A1.3 12 OF 13



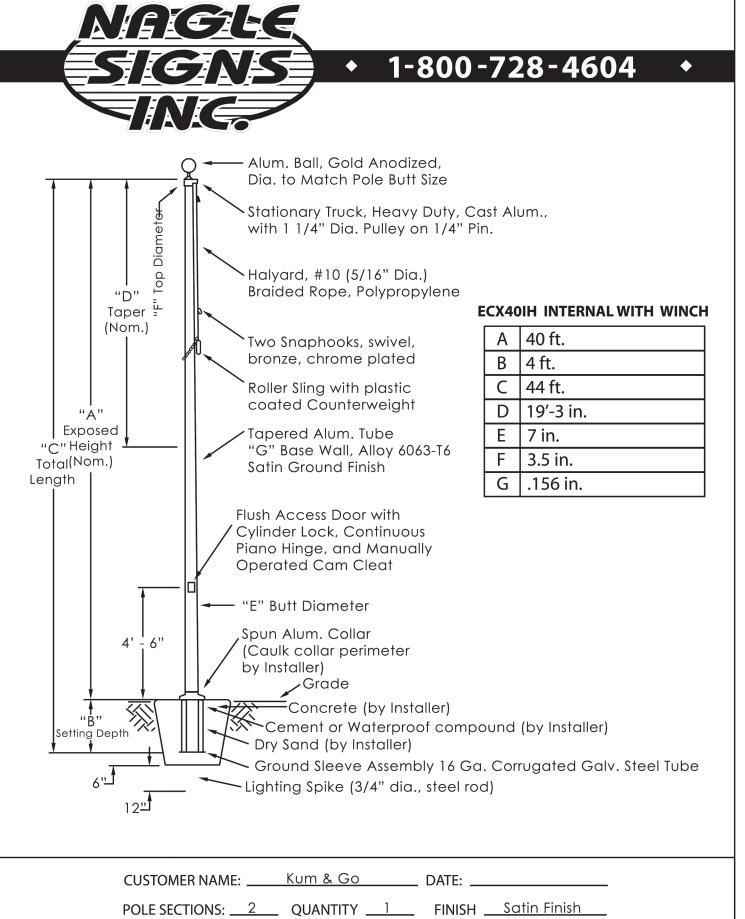
Kum & Go - 25'-0" Monument Sign Option Prototype Design



DESIGN REPRESENTATION ONLY - NOT FOR CONSTRUCTION - The building image shown are a representation of the current design intent only. The building images may not reflect variations in color, tone, hue, tint, shading, ambient light intensity, materials, texture, contrast, font style, construction variations required by building codes or inspectors, material availability or final design detailing.

architecture

07/27/2015



-4X4 TREATED POST 6'-0" O.C. MAX. -1X6 DOG EARED ROUGH SAWN CEDAR PICKETS ∠ 2X4 TREATED MIDDLE RAIL - 2X4 TREATED RAILS (TOP & BOTTOM) -FINISH GRADE -SET POSTS IN 12" DIA CONCRETE FOOTING NOTE: — ATTACH PICKETS ON RESIDENTIAL FACING SIDE OF FENCE

— ALL METAL HARDWARE
TO BE HOT DIPPED GLAVANIZED \WOOD SCREEN FENCE DETAILS

O 4

Mo #

6400 Westown Parkway

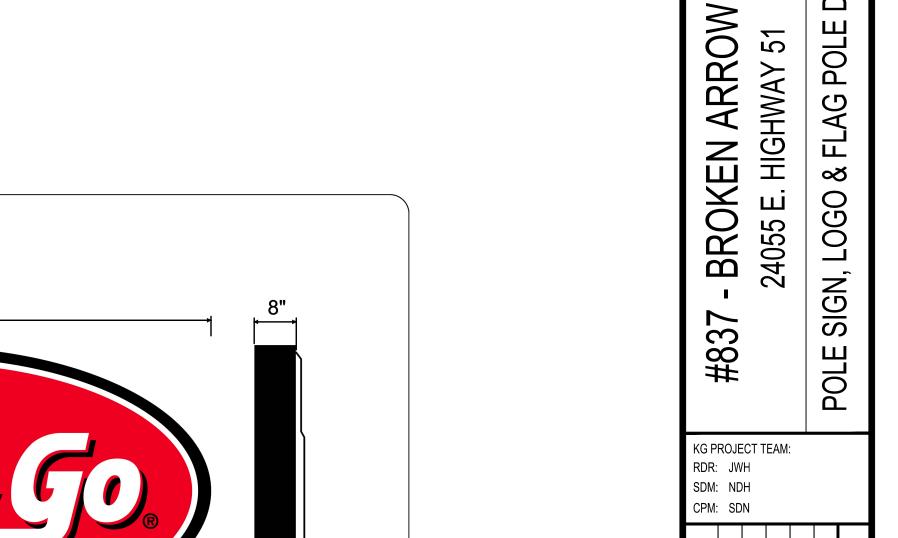
West Des Moines, Iowa

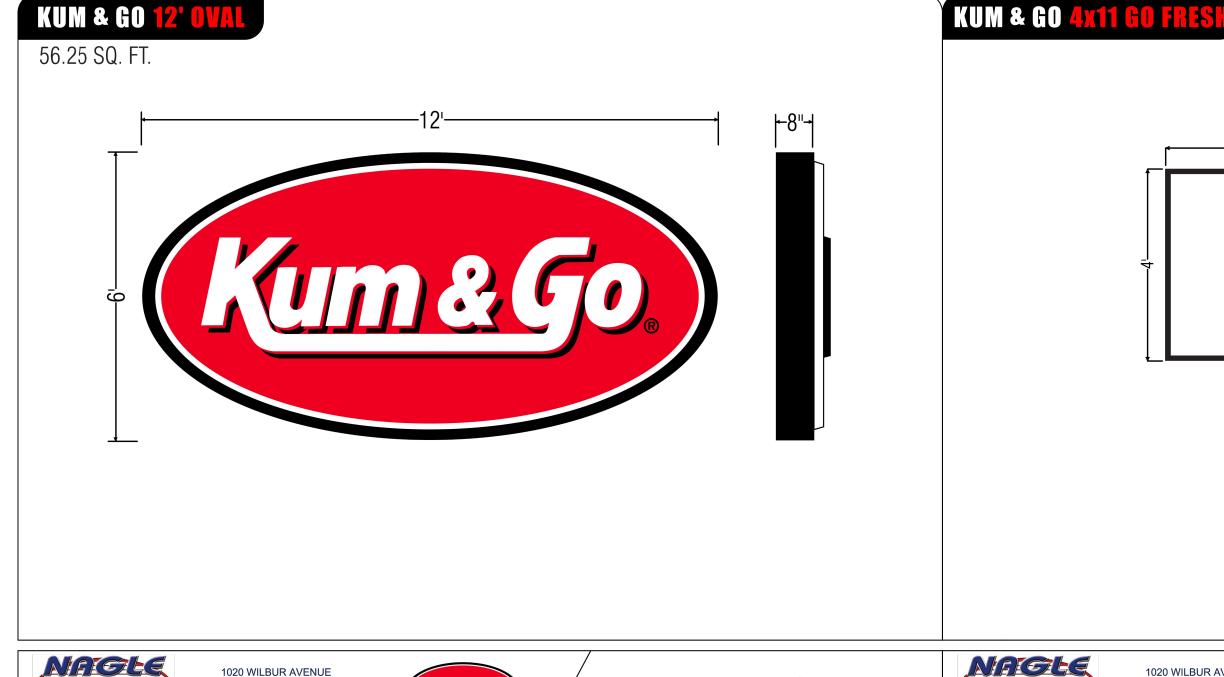
50266

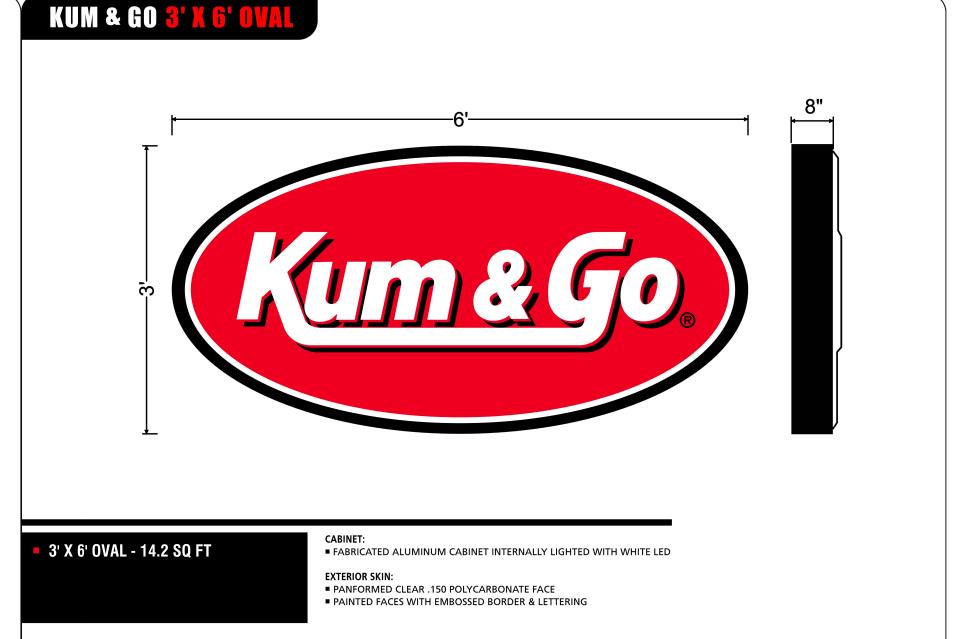
P: 515-226-0128

F: 515-223-9873

 A







1020 WILBUR AVENUE P.O. BOX 2098 WATERLOO, IA 50704 319-233-4604 • FAX: 319-233-7514 TOLL FREE: 800-728-4604

SCALE: 1/2"=1'0"



Kum & Go.)

SCALE: 1"=1'0" D:KUMANDGO/3X60VAL.FS

NAGLE SIGNS INC.

NAGLE SIGNS

NEGLE P.O. BOX 2098 WATERLOO, IA 50704 319-233-4604 • FAX: 319-233-7514 TOLL FREE: 800-728-4604

SCALE: 1/2"=1'0" Kum & Go. D:KUMANDGO/NEW OVALS.FS

D:KUMANDGO/4X11 GO FRESH.FS

1020 WILBUR AVENUE P.O. BOX 2098 WATERLOO, IA 50704 319-233-4604 • FAX: 319-233-7514 TOLL FREE: 800-728-4604

12-09-15 SHEET NUMBER: A1.4 13 OF 13