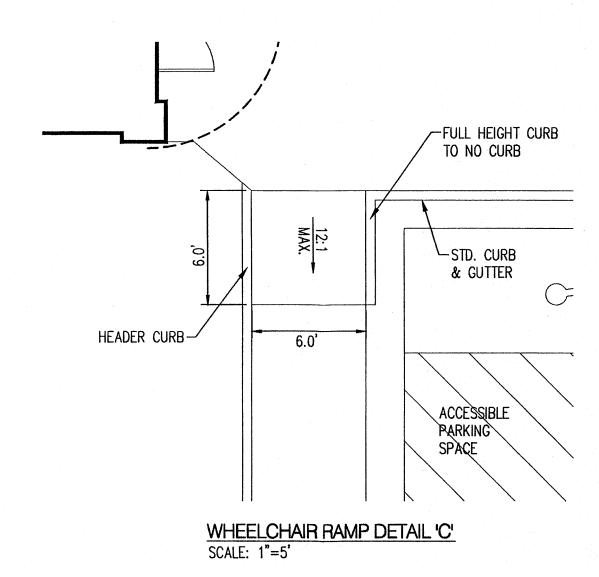
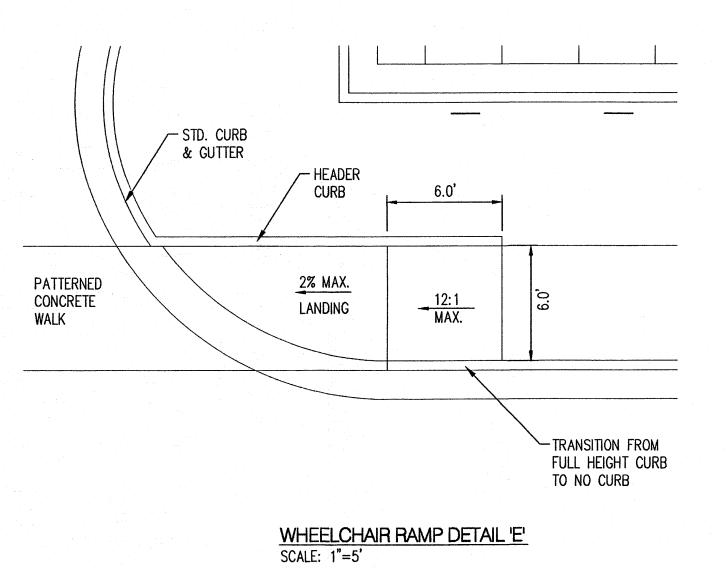
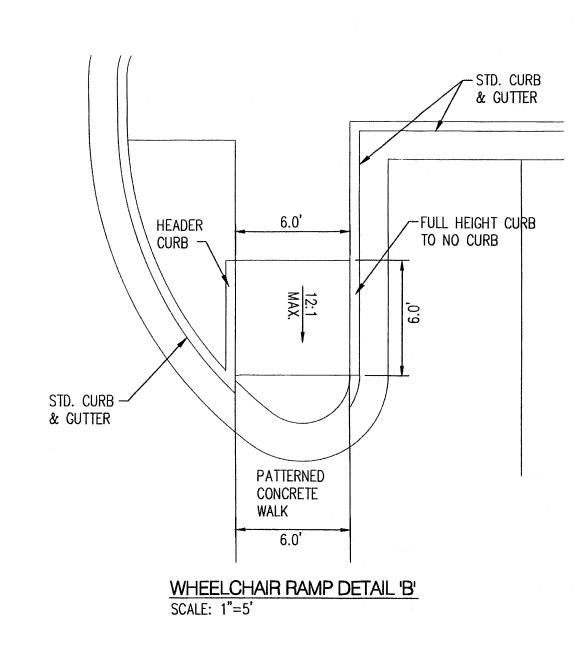
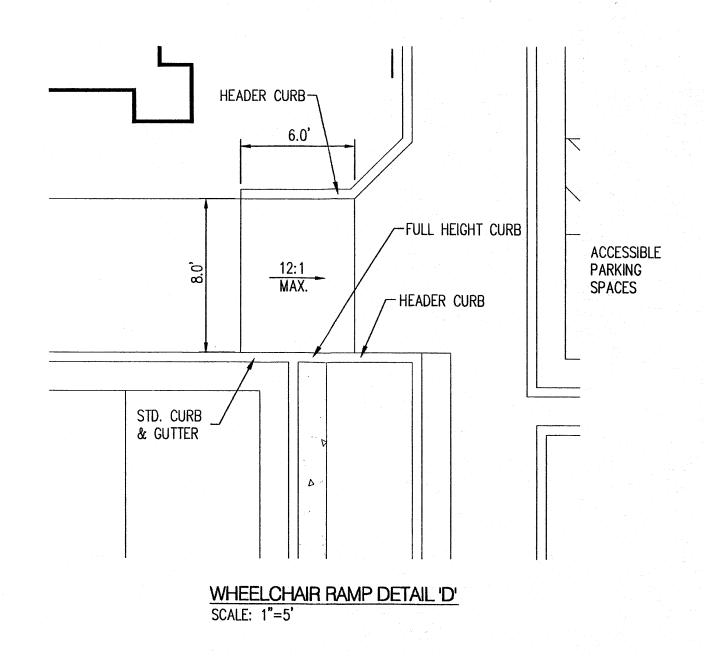


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WHEELCHAIR RAMP DETAILS

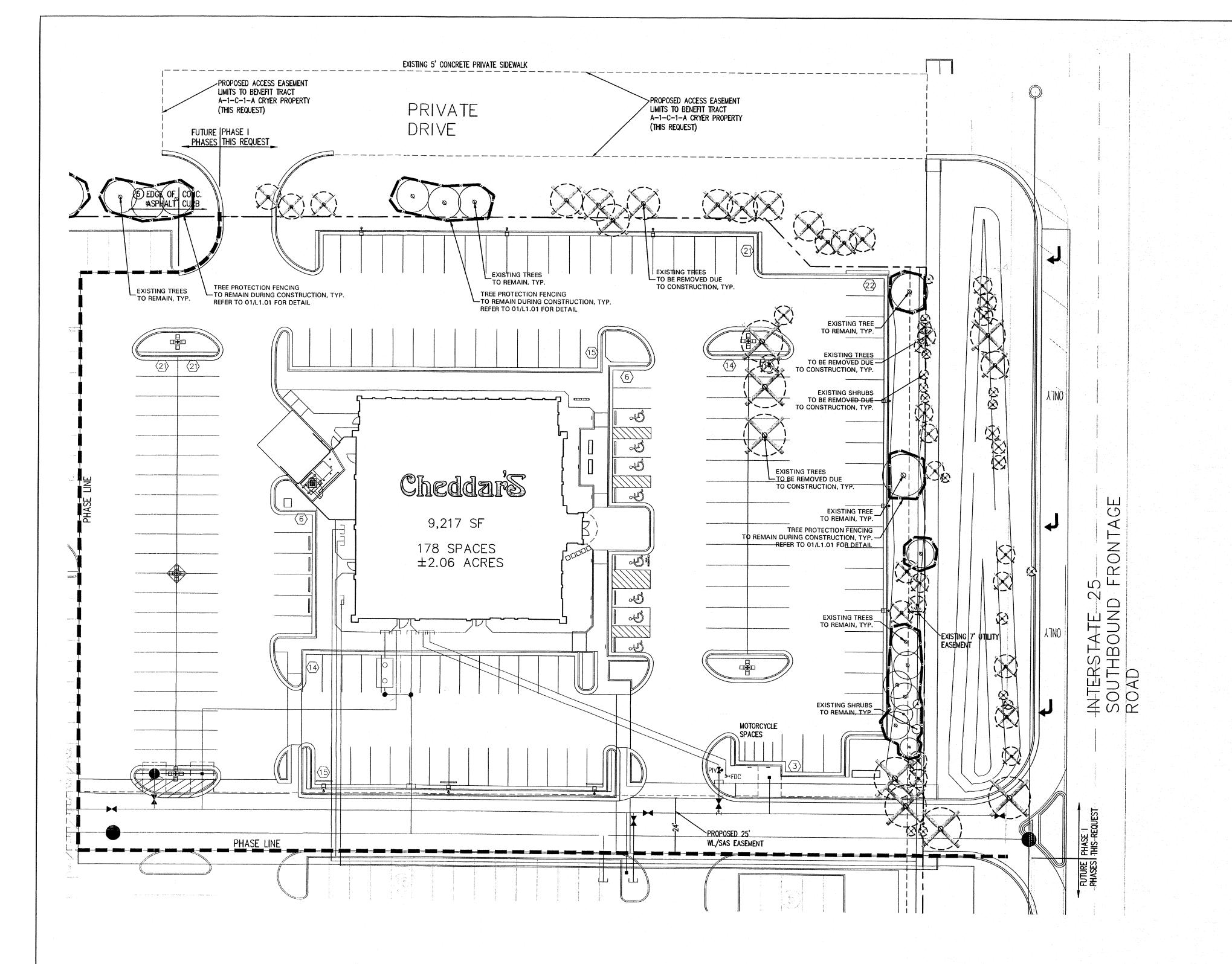
SCALE AS NOTED

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Bohannan & Huston

FEBRUARY 5, 2013

1A



PRUNING AND TRIMMING NOTES

- 1. CONTRACTOR SHALL PRUNE ALL EXISTING TREES ON-SITE USING THE FOLLOWING GUIDELINES.
- 2. ALL TREES SHALL BE TRIMMED SO THAT NATURAL SHAPES OF THE PLANTS ARE RETAINED.
- 3. DO NOT 'TOP' OR 'HEAD' TREES.
- 4. IF BALLING OR SHEARING OF TREES HAS OCCURRED IN THE PAST, DISCONTINUE THIS PRACTICE AND ALLOW PLANTS TO GROW INTO NATURAL SHAPE.
- 5. REMOVE SUCKERS, DEAD, DYING, DISEASED, BROKEN AND / OR WEAK BRANCHES FROM ALL TREES ALONG THE MAIN TRUNK STRUCTURE AND WITHIN THE BRANCHING AREA.
- 6. CONTRACTOR SHALL PRUNE EXISTING DECIDUOUS HARDWOOD AND ORNAMENTAL TREES BY REMOVING LOWER LIMBS TO RAISE THE CANOPY. THE BOTTOM OF THE CANOPY SHALL BE RAISED TO 12'-0" ABOVE GRADE FOR DECIDUOUS HARDWOOD TREES AND 8'-0" HEIGHT ABOVE GRADE FOR ORNAMENTAL TREES, WHEN POSSIBLE. THE INTEGRITY OF THE CANOPY AND STRUCTURE OF THE TREE SHALL BE MAINTAINED. DO NOT CUT OR PRUNE CENTRAL LEADERS.
- 7. CONTRACTOR SHALL THIN THE CANOPY BY ONE-FOURTH. PRUNE TREE TO EVENLY SPACE BRANCHES WITHIN THE CANOPY WHENEVER POSSIBLE. REMOVE THOSE LIMBS THAT CROSS OTHERS, DOUBLE LEADERS AND THOSE THAT EXCESSIVELY EXTEND BEYOND THE NATURAL CROWN OF THE TREE.
- 8. CONTRACTOR SHALL PROVIDE DEEP ROOT FEEDING AND INVIGORATION OF EXISTING TREES. THIS SHALL BE ORGANIC BASED NUTRIENTS BASED FOR ROOT GROWTH AND LEAF GROWTH STIMULATION.
- 9. CONTRACTOR SHALL BE REQUIRED TO CHIP ALL REMOVED BRANCHES, LEAFS, ETC.

TREE PRESERVATION NOTES

- 1. EXISTING TREES TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION FROM TREE STRUCTURE DAMAGE AND COMPACTION OF SOIL UNDER AND AROUND DRIP LINE (CANOPY) OF TREE.
- 2. IF ANY ROOT STRUCTURE IS DAMAGED DURING ADJACENT EXCAVATION / CONSTRUCTION, NOTIFY OWNER'S AUTHORIZED REPRESENTATIVE IMMEDIATELY. IT IS RECOMMENDED THAT A LICENSED ARBORIST BE SECURED FOR THE TREATMENT OF ANY
- ROOT ZONE OF THE TREES.
- DRIP LINE OF TREES.
- DEPTH OF FORTY-EIGHT (48") INCHES.
- 10. IRRIGATION TRENCHING WHICH MUST BE DONE WITHIN THE CRITICAL ROOT ZONE OF A TREE SHALL BE DUG BY HAND AND ENTER THE AREA IN A RADIAL MANNER.
- 11. ALL TREES TO BE REMOVED FROM THE SITE SHALL BE NOTICE TO SCHEDULE ON-SITE MEETING.
- 12. ALL TREES TO REMAIN, AS NOTED ON DRAWINGS, PROTECTION DETAIL.

TO REMAIN DURING CONSTRUCTION REFER TO 01/L0.01 REFER TO PLAN FOR EXISTING TREE TO REMAIN SNOW FENCE, ORANGE VINYL -CONSTRUCTION FENCE, OR CHAINLINK FENCE

LIMITS OF DRIPLINE

Cheddars

4865 PAN AMER ALBUQUERQUE,

CHEDD

DAVID SCOTT

WINDLE, AIA

1431 GREENWAY DRIVE

E-MAIL scottw@idstudio4.com

CHEDDARS CASUAL CAFE

EMAIL: www.cheddars.com

2250 W. JOHN CARPENTER FWY, SUITE 560

SUITE 150

IRVING, TX 75038

PHONE 972.870.1288

DATE DESCRIPTION
12.20.2012 ISSUE FOR PERMIT

TREE **PRESERVATION PLAN**

L0.01

LANDSCAPE ARCHITECT: KORI HAUG, ASLA, CLARB 4245 N. Central Expy

Dallas, Texas 75205

Suite 230

214.865.7192

CCC12012

POSSIBLE TREE WOUNDS.

3. NO DISTURBANCE OF THE SOIL GREATER THAN 4" SHALL BE LOCATED CLOSER TO THE TREE TRUNK THAN 1/2 THE DISTANCE OF THE DRIP LINE TO THE TREE TRUNK. A MINIMUM OF 75% OF THE DRIP LINE AND ROOT ZONE SHALL BE PRESERVED AT NATURAL

4. ANY FINE GRADING DONE WITHIN THE CRITICAL ROOT ZONES OF THE PROTECTED TREES MUST BE DONE WITH LIGHT MACHINERY SUCH AS A BOBCAT OR LIGHT TRACTOR. NO EARTH MOVING EQUIPMENT WITH TRACKS IS ALLOWED WITHIN THE CRITICAL

5. NO MATERIALS INTENDED FOR USE IN CONSTRUCTION OR WASTE MATERIALS ACCUMULATED DUE TO EXCAVATION OR DEMOLITION SHALL BE PLACED WITHIN THE LIMITS OF THE DRIP LINE OF ANY TREE.

6. NO EQUIPMENT MAY BE CLEANED OR TOXIC SOLUTIONS, OR OTHER LIQUID CHEMICALS, SHALL BE DEPOSITED WITHIN THE LIMITS OF THE DRIP LINE OF A TREE, INCLUDING BUT NOT LIMITED TO: PAINT, OIL, SOLVENTS, ASPHALT, CONCRETE, MORTAR, PRIMERS,

NO SIGNS, WIRES OR OTHER ATTACHMENTS, OTHER THAN THOSE OF A PROTECTIVE NATURE, SHALL BE ATTACHED TO ANY TREE.

8. NO VEHICULAR / CONSTRUCTION EQUIPMENT TRAFFIC OR PARKING IS ALLOWED WITHIN THE LIMITS OF THE

9. BORING OF UTILITIES MAY BE PERMITTED UNDER PROTECTED TREES IN CERTAIN CIRCUMSTANCES. THE MINIMUM LENGTH OF THE BORE SHALL BE THE WIDTH OF THE TREE'S CANOPY AND SHALL BE A MINIMUM

FLAGGED BY THE CONTRACTOR WITH BRIGHT RED VINYL TAPE (3" WIDTH) WRAPPED AROUND THE MAIN TRUNK AT A HEIGHT OF FOUR (4') FEET ABOVE GRADE. FLAGGING SHALL BE APPROVED BY OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO ANY TREE REMOVAL. CONTRACTOR SHALL CONTACT OWNER'S AUTHORIZED REPRESENTATIVE WITH 72 HOURS

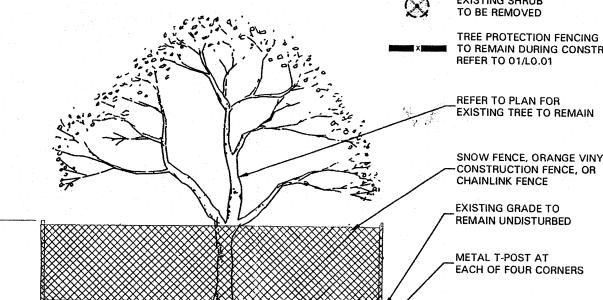
SHALL HAVE PROTECTIVE FENCING LOCATED AT THE TREE'S DRIP LINE. THE PROTECTIVE FENCING MAY BE COMPRISED OF SNOW FENCING, ORANGE VINYL CONSTRUCTION FENCING, CHAIN LINK FENCE OR OTHER SIMILAR FENCING WITH A FOUR (4') FOOT APPROXIMATE HEIGHT. THE PROTECTIVE FENCING SHALL BE LOCATED AS INDICATED ON THE TREE

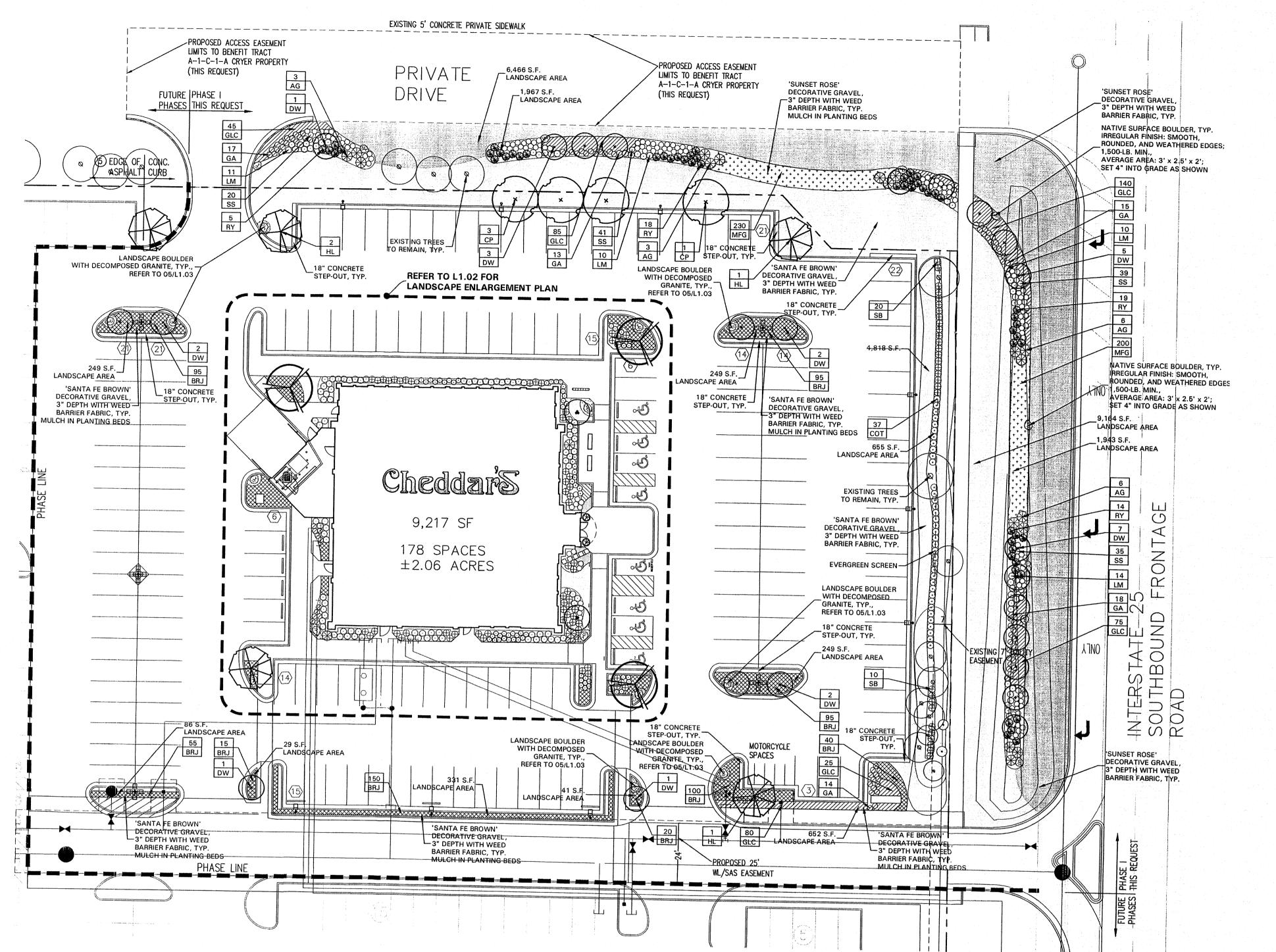
13. WHEN A LOW HANGING LIMB IS BROKEN DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OWNER'S AUTHORIZED REPRESENTATIVE IMMEDIATELY. UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR PRUNE ANY PORTION OF THE DAMAGED TREE WITHOUT THE PRIOR APPROVAL BY THE OWNER'S AUTHORIZED REPRESENTATIVE.

EXISTING TREE LEGEND

EXISTING TREE EXISTING TREE TO BE REMOVED

EXISTING SHRUB TO BE REMOVED





LANDSCAPE NOTES

- 1. CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED SITE ELEMENTS AND NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES. SURVEY DATA OF EXISTING CONDITIONS WAS SUPPLIED BY OTHERS.
- 2. CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES AND NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICTS. CONTRACTOR SHALL EXERCISE CAUTION WHEN WORKING IN THE VICINITY OF UNDERGROUND UTILITIES.
- 3. CONTRACTOR SHALL PROVIDE A MINIMUM 2% SLOPE AWAY FROM ALL STRUCTURES.
- 4. CONTRACTOR SHALL FINE GRADE AREAS TO ACHIEVE FINAL CONTOURS AS INDICATED. LEAVE AREAS TO RECEIVE TOPSOIL 3" BELOW FINAL FINISHED GRADE IN PLANTING AREAS AND 1" BELOW FINAL FINISHED GRADE IN LAWN AREAS.
- 5. ALL PLANTING BEDS AND LAWN AREAS SHALL BE SEPARATED BY STEEL EDGING. NO STEEL EDGING SHALL BE INSTALLED ADJACENT TO BUILDINGS, WALKS, OR CURBS. CUT STEEL EDGING AT 45 DEGREE ANGLE WHERE IT INTERSECTS WALKS AND CURBS.
- 6. TOP OF MULCH SHALL BE 1/2" MINIMUM BELOW THE TOP OF WALKS AND CURBS.
- 7. ALL LANDSCAPE AREAS SHALL BE PROVIDED WITH AN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM WITH RAIN AND FREEZE SENSORS AND EVAPOTRANSPIRATION (ET) WEATHER-BASED CONTROLLERS AND SAID IRRIGATION SYSTEM SHALL BE DESIGNED BY A QUALIFIED PROFESSIONAL AND INSTALLED BY A LICENSED IRRIGATOR.
- 8. CONTRACTOR SHALL PROVIDE BID PROPOSAL LISTING UNIT PRICES FOR ALL MATERIAL PROVIDED.
- 9. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED LANDSCAPE AND IRRIGATION PERMITS.

MAINTENANCE NOTES

- 1. THE OWNER, TENANT AND THEIR AGENT, IF ANY, SHALL BE JOINTLY AND SEVERALLY RESPONSIBLE FOR THE MAINTENANCE OF ALL LANDSCAPE.
- 2. ALL LANDSCAPE SHALL BE MAINTAINED IN A NEAT AND ORDERLY MANNER AT ALL TIMES. THIS SHALL INCLUDE MOWING, EDGING, PRUNING, FERTILIZING. WATERING, WEEDING AND OTHER SUCH ACTIVITIES COMMON TO LANDSCAPE MAINTENANCE.
- 3. ALL LANDSCAPE AREAS SHALL BE KEPT FREE OF TRASH, LITTER, WEEDS AND OTHER SUCH MATERIAL OR PLANTS NOT PART OF THIS PLAN.
- 4. ALL PLANT MATERIAL SHALL BE MAINTAINED IN A HEALTHY AND GROWING CONDITION AS IS APPROPRIATE FOR THE SEASON OF THE YEAR.
- 5. ALL PLANT MATERIAL WHICH DIES SHALL BE REPLACED WITH PLANT MATERIAL OF EQUAL OR BETTER VALUE.

6. CONTRACTOR SHALL PROVIDE SEPARATE BID

AFTER FINAL ACCEPTANCE.

PROPOSAL FOR ONE YEAR'S MAINTENANCE TO BEGIN

LANDSCAPE TABULATIONS CITY OF ALBUQUERQUE, NEW MEXICO

- SITE LANDSCAPE 1. 15% of the net lot area shall be landscape. 2. A minimum of 75% of the required landscape area shall be live vegetative
 - Lot Area = 89,734 s.f. (2.06 AC) Building Area = 9,128 s.f.
 - 12,091 s.f. (15%) 29,862 s.f. (37%)

Net Lot Area = 80,606 s.f.

100' of a tree

- 10,322 s.f. (inside property line) 19,540 s.f. (R.O.W.) 9,068 s.f. vegetative matter (75%) 9,171 s.f. vegetative matter (76%) 5,261 s.f. (inside property line) 3,910 s.f. (R.O.W.)
- PARKING AREA LANDSCAPING (176 spaces) 1. One (1) tree, 2" cal. min., per (10) parking spaces. 2. No parking space may be more than 100' from the trunk of a tree trunk.
- (18) trees, 2" cal. (19) trees, 2" cal. min. Each parking space within Each parking space within
- 1. Where parking areas abut the public street and are greater than 100 l.f. and the total parking amounts to 50 spaces or more, a 36" ht. max. screen is
- 36" ht. screen combination 24-30" ht. berm /
- STREET TREES 1. Where the lot is adjacent to a major street, major local street, or another street, street trees are required, with typical spacing of one (1) tree per 30

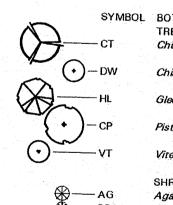
evergreen screen

Interstate 25 Frontage Road = 213 l.f. (12) trees

ALL EXISTING LANDSCAPE TO BE REMOVED AND REPLACED IN LOCATIONS INDICATED ON THIS PLAN EXCEPT WHERE NOTED TO REMAIN.

STATEMENT OF COMPLIANCE

- 1. THE SITE PLAN SHALL BE CONSISTENT WITH THE GENERAL LANDSCAPING REGULATIONS (Article
- 2. ALL LANDSCAPE AND IRRIGATION SHALL COMPLY WITH THE CITY OF ALBUQUERQUE'S WATER CONSERVATION LANDSCAPING ORDINANCE (Article
- THE PROPERTY OWNER IS RESPONSIBLE FOR ALL SIDEWALK AND LANDSCAPE MAINTENANCE IN THE ADJACENT PUBLIC RIGHT-OF-WAY.
- 4. ALL LANDSCAPE IMPROVEMENTS IN THE NMDOT RIGHT-OF-WAY AND ALL LANDSCAPING SHOWN ON THE APPROVED PLAN MUST BE MAINTAINED IN LIVING



⊙ —— cot O ----- RS Ø ---- GA ○ — LM ---- MFG O ---- SS

PLANT LIST SYMBOL BOTANICAL NAME Chilopsis catalpa Chilopsis linearis Gleditsia triacanthos 'Shademaster Pistacia chinensis Vitex agnus-castus

> SHRUBS/GROUNDCOVER Agava parryi Juniperus chinensis 'Blue Point' Juniperus horizontalis 'Wiltoni' Cotoneaster glaucophyllus Santolina chamaecyparissus Perovskia atriplicifolia Abelia grandiflora Muhlenbergia lindheimeri Nassella tenuissima Hesperaloe parvifolia Cytisus scoparius

COMMON NAME Shademaster Honey Locus

Chinese Pistache Parry's Agave Blue Point Juniper Blue Rug Juniper Grey Cotoneaster

Pennisetum alopecuroides 'Hameln

QTY. SIZE REMARKS

3 2" cal. B&B or container grown, 10' ht., 4' spread, 4' branching ht., matching mature height of 40' and spread of 40' B&B or container grown, 8' ht., 4' spread, 3 trunk min., matching mature height of 20' and spread of 25' container grown, 12' ht., 4' spread, 4' branching ht., matching mature height of 40' and spread of 40' 4 3" cal. container grown, 12' ht., 4' spread, 4' branching ht., matching

mature height of 30' and spread of 25' 2 2" cal. B&B or container grown, 8' ht., 4' spread, 3 trunk min., matching mature height of 15' and spread of 10' 21 15 gal. container full, 48" o.c. 2 30" ht. container full, 20" spread 885 1 gal. container full, 12" spread, 18" o.c. 37 5 gal. container full, 20" spread 24" o.c.

475 1 gal. container full, 18" o.c., selection by Owner 9 5 gal. container full, 20" spread, 24" o.c. 57 7 gal. container full, 20" spread, 24" o.c. 91 5 gal. container full, 20" spread, 24" o.c. 126 5 gal. container full, 30" o.c. 430 1 gal. container full, 18" o.c. 56 7 gal. container full, 36" o.c. 95 5 gal. container full, 30" o.c. 45 4" pots container full, 12" o.c., selection by Owner

149 5 gal. container full, 20" spread, 24" o.c.

NOTE: ALL TREES SHALL HAVE STRAIGHT TRUNKS AND BE MATCHING WITHIN VARIETIES. PLANT LIST IS AN AID TO BIDDERS ONLY. CONTRACTOR SHALL VERIFY ALL QUANTITIES ON PLAN. ALL HEIGHTS AND SPREADS ARE MINIMUMS. ALL PLANT MATERIAL SHALL MEET OR EXCEED REMARKS AS INDICATED.

Gray Lavender Cotton

Dwarf Hamlen Grass

Lindheimer's Muhly

Mexican Feathergrass

Russian Sage

Glossy Abelia

Red Yucca

Sand Sage

Scotch Broom

Seasonal Color

SCALE: 1" = 20'-0"

LANDSCAPE ARCHITECT: KORI HAUG, ASLA, CLARB 4245 N. Central Expy Suite 230 Dallas, Texas 75205 214.865.7192

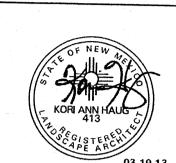
WINDLE, AIA

1431 GREENWAY DRIVE SUITE 150 IRVING, TX 75038 PHONE 972.870.1288 E-MAIL scottw@idstudio4.com

ARCHITECT:

DAVID SCOTT

CHEDDARS CASUAL CAFE 2250 W. JOHN CARPENTER FWY, SUITE 560 IRVING, TX 75063 EMAIL: www.cheddars.com

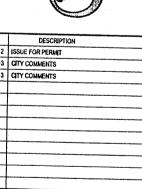




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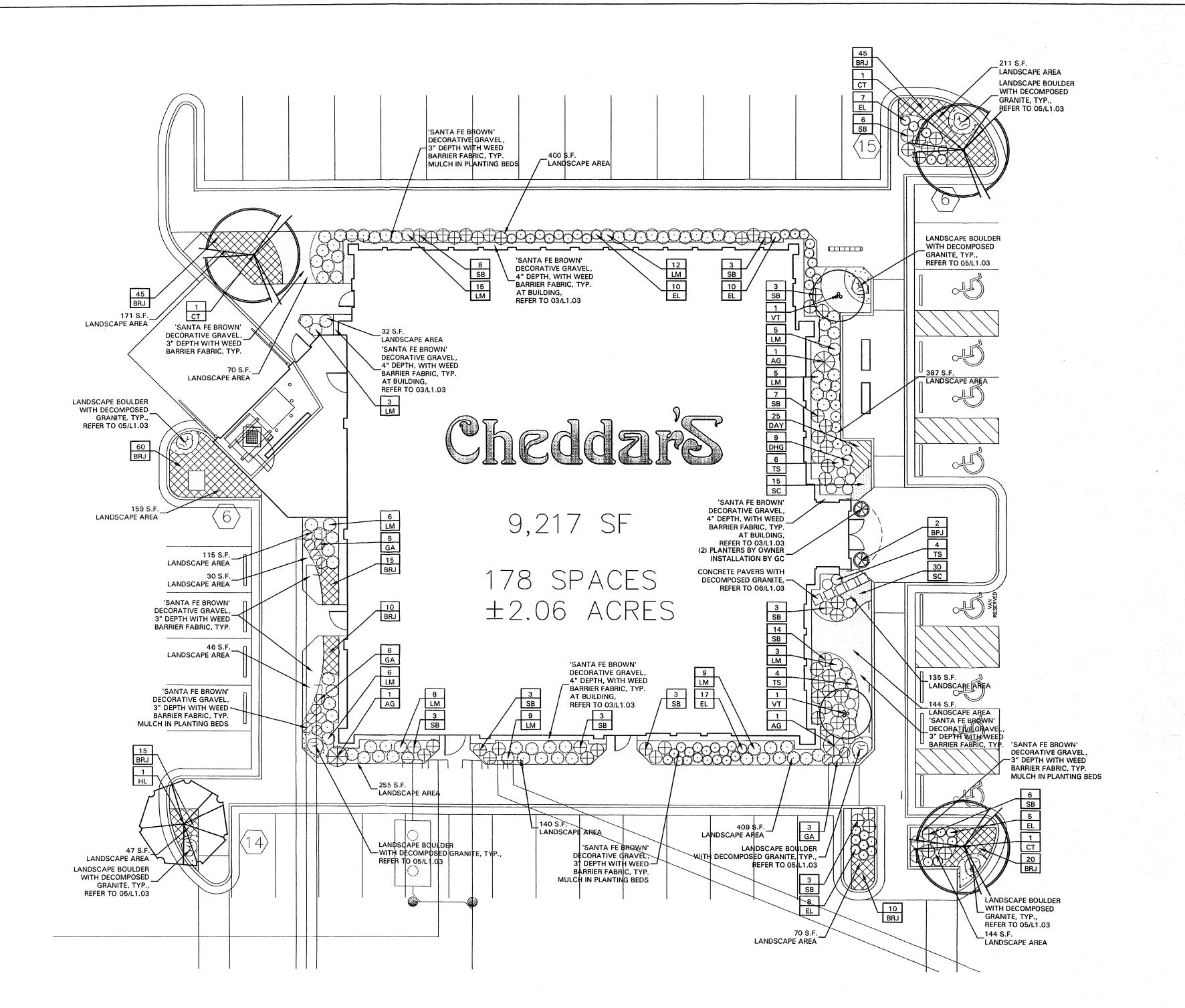
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LANDSCAPE PLAN

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DAVID SCOTT WINDLE, AIA 1431 GREENWAY DRIVE SUITE 150 IRVING, TX 75038 PHONE 972.870.1288 E-MAIL scottw@idstudio4.com CHEDDARS CASUAL CAFE 2250 W. JOHN CARPENTER FWY, SUITE 560 IRVING, TX 75063 EMAIL: www.cheddars.com CHEDD 4865 PAN ALBUQUEI Cheddars
 DATE
 DESCRIPTION

 12.20.2012
 ISSUE FOR PERMIT

 03.05.2013
 CITY COMMENTS

 03.19.2013
 CITY COMMENTS

ARCHITECT:

SCALE: 1" = 10'-0"

N
0 5 10 20

PLANT LEGEND SYMBOL COMMON NAME

Shademaster Honey Locust

Chinese Pistache

Parry's Agave Blue Point Juniper Blue Rug Juniper

Russian Sage

Red Yucca Scotch Broom Seasonal Color

Sand Sage

REFER TO L1.01 FOR PLANT LIST

O ---- RS

Ø ---- GA

⊗ — RY ⊕ — SB

o ---- ss

MFG

Gray Lavender Cotton

Dwarf Hamlen Grass

Lindheimer's Muhly

Mexican Feathergrass

LANDSCAPE ARCHITECT: KORI HAUG, ASLA, CLARB 4245 N. Central Expy Suite 230 Dallas, Texas 75205 214.865.7192

CCC12012

LANDSCAPE ENLARGEMENT PLAN

1.1 REFERENCED DOCUMENTS

A. Refer to Landscape Plans, notes, details, bidding requirements. special provisions, and schedules for additional requirements.

والمتقاود والمواد والمراكبيني والمستورهان المستورية المدنو كمنهالي المار ويزور الأراني إلى المنتقا

- 1.2 DESCRIPTION OF WORK
- A. Work included: Furnish all supervision, labor, materials, services, equipment and appliances required to complete the work covered in conjunction with the landscaping covered in these specifications and landscaping plans, including:
- 1. Planting (trees, shrubs and grasses)
- 2. Bed preparation and fertilization
- 3. Notification of sources
- 4. Water and maintenance until final acceptance
- 5. Guarantee

1.3 REFERENCE STANDARDS

- A. American Standard for Nursery Stock published by American Association of Nurserymen: 27 October 1980, Edition; by American National Standards Institute, Inc. (Z60.1) - plant
- B. American Joint Committee on Horticultural Nomenclature: 1942
- C. New Mexico Association of Nurserymen, Grades and Standards
- D. Hortis Third, 1976 Cornell University

1.4 NOTIFICATION OF SOURCES AND SUBMITTALS

A. Samples: Provide representative quantities of sandy loam soil, mulch, bed mix material, gravel and crushed stone. Samples shall be approved by Owner's Authorized Representative before use on the project.

1.5 JOB CONDITIONS

- A. General Contractor to complete the following punch list: Prior to 1.7 QUALITY ASSURANCE Landscape Contractor initiating any portion of landscape installation, General Contractor shall leave planting bed areas three (3") inches below final finish grade of sidewalks, drives and curbs as shown on the drawings. All lawn areas to receive solid sod shall be left one (1") inch below the final finish grade of sidewalks, drives and curbs. All construction debris shall be removed prior to Landscape Contractor beginning any work.
- B. Storage of materials and equipment at the job site will be at the risk of the Landscape Contractor. The Owner cannot be held

responsible for theft or damage. 1.6 MAINTENANCE AND GUARANTEE

A. Maintenance:

- 1. The Landscape Contractor shall be held responsible for the maintenance of all work from the time of planting until final acceptance by the Owner. No trees, shrubs, groundcover or grass will be accepted unless they show healthy growth and satisfactory foliage conditions.
- 2. Maintenance shall include watering of trees and plants, cultivation, weeding spraying, edging, pruning of trees, mowing of grass, cleaning up and all other work necessary
- 3. A written notice requesting final inspection and acceptance should be submitted to the Owner at least seven (7) days prior to completion. An on-site inspection by the Owner's Authorized Representative will be completed prior to written

- 1. Trees, shrubs and groundcover shall be guaranteed for a twelve (12) month period after final acceptance. The Contractor shall replace all dead materials as soon as weather permits and upon notification of the Owner. Plants, including trees, which have partially died so that shape, size, or symmetry have been damaged, shall be considered subject to replacement. In such cases, the opinion of the Owner shall be final.
- a. Plants used for replacement shall be of the same size and kind as those originally planted and shall be planted as originally specified. All work, including materials. labor and equipment used in replacements, shall carry a twelve (12) month guarantee. Any damage, including ruts in lawn or bed areas, incurred as a result of making replacements shall be immediately repaired.
- b. At the direction of the Owner, plants may be replaced at the start of the next year's planting season. In such cases, dead plants shall be removed from the premises 1.8 PRODUCT DELIVERY, STORAGE AND HANDLING
- c. When plant replacements are made, plants, soil mix, fertilizer and mulch are to be utilized as originally specified and re-inspected for full compliance with the

contract requirements. All replacements are to be

- 2. The Owner agrees that for the guarantee to be effective, he will water plants at least twice a week during dry periods
- and cultivate beds once a month after final acceptance. 3. The above guarantee shall not apply where plants die after acceptance because of injury from storms, hail, freeze,
- insects, diseases, injury by humans, machines or theft. 4. Acceptance for all landscape work shall be given after final inspection by the Owner provided the job is in a complete, undamaged condition and there is a stand of grass in all lawn areas. At that time, the Owner will assume
- maintenance on the accepted work. Repairs: Any necessary repairs under the Guarantee must be made within ten (10) days after receiving notice, weather permitting. In the event the Landscape Contractor does not make repairs accordingly, the Owner, without further notice to Contractor, may provide materials and men to make such repairs at the expense to the Landscape Contractor.

- . General: Comply with applicable federal, state, county and local regulations governing landscape materials and work.
- Personnel: Employ only experienced personnel who are familiar with the required work. Provide full time supervision by a qualified foreman acceptable to Landscape Architect.
- Selection of Plant Material: 1. Make contact with suppliers immediately upon obtaining notice of contract acceptance to select and book materials. Develop a program of maintenance (pruning and fertilization) which will ensure the purchased materials will meet and / or
- 2. Substitutions: Do not make plant material substitutions. If the specified landscape material is not obtainable, submit proof of non-availability to Landscape Architect, together with proposal for use of equivalent material. At the time bids are submitted, the Contractor is assumed to have located the materials necessary to complete the job as
- 3. Landscape Architect will provide a key identifying each tree location on site. Written verification will be required to document material selection, source and delivery schedules
- Measurements: Measure trees with branches and trunks or canes in their normal position. Do not prune to obtain required sizes. Take caliper measurements six inches above ground for trees up to and including 4" caliper size, and twelve inches above ground for larger sizes. Measure main body of all plant material of height and spread dimensions,

do not measure from branch or root tip-to-tip.

- Owner's Authorized Representative shall inspect all plant material with requirements for genus, species, cultivar / variety size and quality.
- Owner's Authorized Representative retains the right to further inspect all plant material upon arrival to the site and during installation for size and condition of root balls and root systems, limbs, branching habit, insects, injuries and
- 7. Owner's Authorized Representative may reject unsatisfactory or defective material at any time during the process work. Remove rejected materials immediately from the site and replace with acceptable material at no additional cost to the Owner. Plants damaged in transit or at job site

A. Preparation

- Balled and Burlapped (B&B) Plants: Dig and prepare shipment in a manner that will not damage roots, branches, Nutgrass shall be rejected shape and future development.
- Container Grown Plants: Deliver plants in rigid container to hold ball shape and protect root mass.
- Deliver packaged materials in sealed containers showing
- weight, analysis and name of manufacturer. Protect materials from deterioration during delivery and while stored Deliver only plant materials that can be planted in one day
- unless adequate storage and watering facilities are available 3. Protect root balls by heeling in with sawdust or other
- approved moisture retaining material if not planted within 24 hours of delivery.
- 4. Protect plants during delivery to prevent damage to root balls or desiccation of leaves. Keep plants moist at all times. Cover all materials during transport.

 5. Notify Owner's Authorized Representative of delivery schedule 72 hours in advance job site.
- 6. Remove rejected plant material immediately from job site. 7. To avoid damage or stress, do not lift, move, adjust to

plumb, or otherwise manipulate plants by trunk or stems. PART 2 - PRODUCTS

General: Well-formed No. 1 grade or better nursery grown stock. Listed plant heights are from tops of root balls to nominal tops of plants. Plant spread refers to nominal outer width of the plant, not to the outer leaf tips. Plants will be individually approved by the Owner's Authorized Representative and his decision as to

Quantities: The drawings and specifications are complimentary. Anything called for on one and not the other is as binding as if shown and called for on both. The plant schedule is an aid to bidders only. Confirm all quantities on plan.

their acceptability shall be final.

- Quality and size: Plant materials shall conform to the size given on the plan, and shall be healthy, symmetrical, well-shaped, full branched and well rooted. The plants shall be free from injurious PART 3 - EXECUTION insects, diseases, injuries to the bark or roots, broken ranches, objectionable disfigurements, insect eggs and larvae, and are to 3.1 BED PREPARATION & FERTILIZATION
- Approval: All plants which are found unsuitable in growth, or are in any unhealthy, badly shaped or undersized condition will be rejected by the Owner's Authorized Representative either before or after planting and shall be removed at the expense of the Landscape Contractor and replaced with acceptable plant as

specified at no additional cost to the Owner.

- Trees shall be healthy, full-branched, well-shaped, and shall meet the minimum trunk and diameter requirements of the plant schedule. Balls shall be firm, neat, slightly tapered and well wrapped in burlap. Any tree loose in the ball or with a broken root ball at time of planting will be rejected. Balls shall be ten (10") inched in diameter for each one (1") inch of trunk diameter. measured six (6") inched above ball. (Nomenclature confirms to the customary nursery usage. For clarification, the term "multi-trunk" defines a plant having three (3) or more trunks of nearly equal diameter.)
- Pruning: All pruning of trees and shrubs, as directed by the Landscape Architect prior to final acceptance, shall be executed by the Landscape Contractor at no additional cost to the Owner. 2.2 SOIL PREPARATION MATERIALS

A. Sandy Loam:

- Friable, fertile, dark, loamy soil, free of clay lumps, subsoil, stones and other extraneous material and reasonably free of weeds and foreign grasses. Loam containing Dallasgrass or
- 2. Physical properties as follows: a. Clay - between 7-27 percent
- Silt between 15-25 percent Sand - less than 52 percent
- 3. Organic matter shall be 3%-10% of total dry weight. 4. If requested, Landscape Contractor shall provide a certified soil analysis conducted by an approved soil testing laboratory verifying that sandy loam meets the above
- Organic Material: Compost with a mixture of 80% vegetative matter and 20% animal waste. Ingredients should be a mix of course and fine textured material.
- C. Sharp Sand: Sharp sand must be free of seeds, soil particles and
- Mulch: Double Shredded Hardwood Mulch, partially decomposed, Organic Fertilizer: Fertilaid, Sustane, or Green Sense or equal as
- delivered to the site in original unopened containers, each bearing the manufacturer's guaranteed statement of analysis. Commercial Fertilizer: 10-20-10 or similar analysis. Nitrogen source to be a minimum 50% slow release organic Nitrogen

recommended for required applications. Fertilizer shall be

- (SCU or UF) with a minimum 8% sulfur and 4% iron, plus G. Peat: Commercial sphagnum peat moss or partially decomposed
- shredded pine bark or other approved organic material. MISCELLANEOUS MATERIALS
- A. Steel Edging: 3/16" x 4" x 16' black, DURAEDGE® steel landscape edging manufactured by The J.D. Russell Company under its trade name DURAEDGE Heavy Duty Steel.
- B. Staking Material for Shade Trees: refer to details. C. Gravel: Washed native pea gravel, graded 1 inch to 1-1/2 inch.
- D. Filter Fabric: 'Mirafi Mirascape' by Mirafi Construction Products

- A. Landscape Contractor to inspect all existing conditions and report any deficiencies to the Owner.
- B. All planting areas shall be conditioned as follows:

- Prepare new planting beds by scraping away existing grass and weeds as necessary. Till existing soil to a depth of six (6") inches prior to placing compost and fertilizer. Apply fertilizer as per Manufacturer's recommendations. Add six (6") inches of compost and till into a depth of six (6") inches of the topsoil. Apply organic fertilizer such as Sustane or Green Sense at the rate of twenty (20) pounds per one thousand (1,000) square feet.
- 2. All planting areas shall receive a two (2") inch layer of
- 3. Backfill for tree pits shall be as follows: Use existing top soil on site (use imported topsoil as needed) free from large clumps, rocks, debris, caliche, subsoils, etc., placed in nine (9") inch layers and watered in thoroughly.
- C. Grass Areas: 1. Blocks of sod should be laid joint to joint (staggered joints) after fertilizing the ground first. Roll grass areas to achieve a smooth, even surface. The joints between the blocks of sod should be filled with topsoil where they are evidently gaped open, then watered thoroughly.

3.2 INSTALLATION

- A. Maintenance of plant materials shall begin immediately after each plant is delivered to the site and shall continue until all
- B. Plant materials shall be delivered to the site only after the beds are prepared and areas are ready for planting. All shipments of nursery materials shall be thoroughly protected from the drying winds during transit. All plants which cannot be planted at once after delivery to the site, shall be well protected against the possibility of drying by wind and Balls of earth of B & B plants shall be kept covered with soil or other acceptable material. All plants remain the property of the Contractor until final acceptance.
- C. Position the trees and shrubs in their intended location as per
- D. Notify the Owner's Authorized Representative for inspection and approval of all positioning of plant materials.
- Excavate pits with vertical sides and horizontal bottom. Tree pits shall be large enough to permit handling and planting without injury to balls of earth or roots and shall be of such depth that, when planted and settled, the crown of the plant shall bear the same relationship to the finish grade as it did to soil surface in original place of growth.
- Shrub and tree pits shall be no less than twenty-four (24") inches wider than the lateral dimension of the earth ball and six (6") inches deeper than it's vertical dimension. Remove and haul from site all rocks and stones over three-quarter (¾") inch in 3.3 CLEANUP AND ACCEPTANCE diameter. Plants should be thoroughly moist before removing containers.
- G. Dig a wide, rough sided hole exactly the same depth as the height of the ball, especially at the surface of the ground. The sides of the hole should be rough and jagged, never slick or
- H. Percolation Test: Fill the hole with water. If the water level does END OF SECTION not percolate within 24 hours, the tree needs to move to another location or have drainage added. Install a PVC stand pipe per tree planting detail as approved by the Landscape Architect if the
- Backfill only with 5 parts existing soil or sandy loam and 1 part bed preparation. When the hole is dug in solid rock, topsoil from the same area should not be used. Carefully settle by watering to prevent air pockets. Remove the burlap from the top 1/3 of the ball, as well as all nylon, plastic string and wire. Container trees will usually be root bound, if so follow standard nursery practice of 'root scoring'.
- J. Do not wrap trees.
- K. Do not over prune.

- Mulch the top of the ball. Do not plant grass all the way to the trunk of the tree. Leave the area above the top of the ball and mulch with at least two (2") inches of specified mulch
- All plant beds and trees to be mulched with a minimum settled thickness of two (2") inches over the entire bed or pit.
- N. Obstruction below ground: In the event that rock, or underground construction work or obstructions are encountered in any plant pit excavation work to be done under this section, alternate locations may be selected by the Owner. Where locations cannot be changed, the obstructions shall be removed to a depth of not less than three (3') feet below grade and no less than six (6") inches below the bottom of ball when plant is properly set at the required grade. The work of this section shall include the removal from the site of such rock or underground obstructions encountered at the cost of the Landscape Contractor.
- Trees and large shrubs shall be staked as site conditions require. Position stakes to secure trees against seasonal prevailing winds.
- Pruning and Mulching: Pruning shall be directed by the Landscape Architect and shall be pruned in accordance with standard horticultural practice following Fine Pruning, Class I pruning standards provided by the National Arborist Association.
- 1. Dead wood, suckers, broken and badly bruised branches shall be removed. General tipping of the branches is not permitted. Do not cut terminal branches
- 2. Pruning shall be done with clean, sharp tools.
- 3. Immediately after planting operations are completed, all tree pits shall be covered with a layer of organic material two (2") inches in depth. This limit of the organic material for trees shall be the diameter of the plant pit.
- Steel Curbing Installation:
- 1. Curbing shall be aligned as indicated on plans. Stake out limits of steel curbing and obtain Owners approval prior to
- 2. All steel curbing shall be free of kinks and abrupt bends. 3. Top of curbing shall be ½" maximum height above final
- 4. Stakes are to be installed on the planting bed side of the
- curbing, as opposed to the grass side Do not install steel edging along sidewalks or curbs.
- 6. Cut steel edging at 45 degree angle where edging meets
- A. Cleanup: During the work, the premises shall be kept neat and orderly at all times. Storage areas for all materials shall be so organized so that they, too, are neat and orderly. All trash and debris shall be removed from the site as work progresses. Keep paved areas clean by sweeping or hosing them at end of each

B. Guarantee:

TREE PLANTING DETAIL LEGEND

- A. TREE: TREES SHALL CONFORM WITH LATEST AMERICAN STANDARD FOR NURSERY STOCK, www.anla.org 3. TREE PIT: WIDTH TO BE AT LEAST TWO (2) TIMES THE DIAMETER OF THE ROOT BALL CENTER TREE IN HOLE & REST
- C. ROOT BALL: REMOVE TOP 1/3 BURLAP AND ANY OTHER FOREIGN OBJECT; CONTAINER GROWN STOCK TO BE INSPECTED FOR GIRDLING ROOTS.

D. ROOT FLARE: ENSURE THAT ROOT

ROOT BALL ON UNDISTURBED NATIVE

FLARE IS EXPOSED, FREE FROM MULCH, AND AT LEAST TWO INCHES ABOVE GRADE. TREES SHALL BE REJECTED WHEN GIRDLING ROOTS ARE PRESENT & ROOT FLARE IS NOT APPARENT E. ROOTBALL ANCHOR RING: REFER TO MANUFACTURER'S GUIDELINES FOR

SIZING. PLACE ROOTBALL ANCHOR

- RING ON BASE OF ROOTBALL, TRUNK SHOULD BE IN THE CENTER OF THE F. 'U' BRACKET.
- 30" 36" NAIL STAKE: INSTALL NAIL STAKE WITH HAMMER OR MALLET FIRMLY INTO UNDISTURBED GROUND. DRIVE NAIL STAKES FLUSH WITH "U" BRACKET ADJACENT TO ROOTBALL (DO NOT DISTURB ROOTBALL).

- H. BACKFILL: USE EXISTING NATIVE SOIL (no amendments) WATER THOROUGHLY TO ELIMINATE AIR POCKETS. DOUBLE SHREDDED
- HARDWOOD MULCH 2 INCH SETTLED THICKNESS, WITH 2" HT. WATERING RING; ENSURE THAT ROOT FLARE IS EXPOSED. BELOW GROUND STAKE SHOULD NOT BE VISIBLE. TREE STAKE SOLUTIONS 'SAFETY

AVAILABLE FROM:

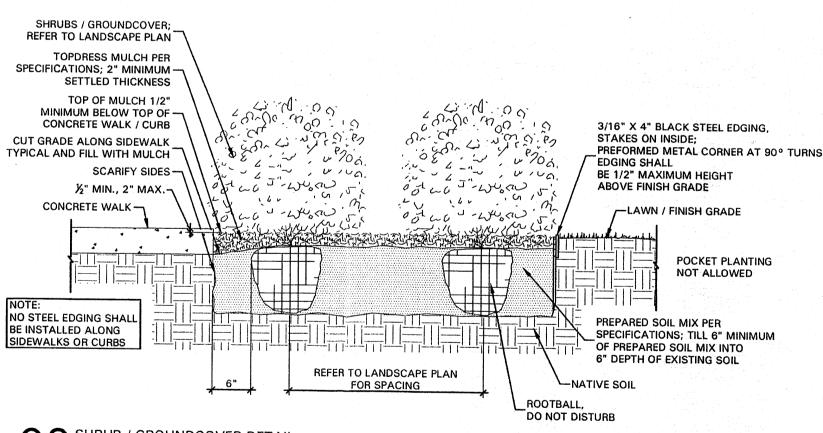
INSTALLATION.

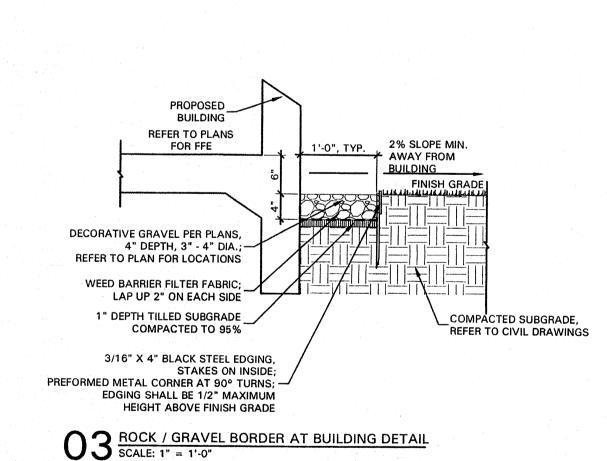
www.treestakesolutions.com

STAKE' BELOW GROUND MODEL

(281) 723-9081 C. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN A COPY MANUFACTURER'S SPECIFICATIONS PRIOR INSTALLATION OF TREE STAKES. CONTRACTOR SHALL ADHERE TO MANUFACTURER'S INSTALLATION GUIDELINES, SPECIFICATIONS, AND OTHER REQUIREMENTS FOR TREE STAKE

SHRUBS / GROUNDCOVER: REFER TO LANDSCAPE PLAN TOPDRESS MULCH PER SPECIFICATIONS; 2" MINIMUM -SETTLED THICKNESS TOP OF MULCH 1/2" MINIMUM BELOW TOP OF 3/16" X 4" BLACK STEEL EDGING. CONCRETE WALK / CURB STAKES ON INSIDE: EDGING SHALL SCARIFY SIDES -BE 1/2" MAXIMUM HEIGHT ABOVE FINISH GRADE ½" MIN., 2" MAX.-160 CONCRETE WALK LAWN / FINISH GRADE POCKET PLANTING NOT ALLOWED PREPARED SOIL MIX PER SPECIFICATIONS; TILL 6" MINIMUM OF PREPARED SOIL MIX INTO 6" DEPTH OF EXISTING SOIL REFER TO LANDSCAPE PLAN FOR SPACING ROOTBALL DO NOT DISTURB O2 SHRUB / GROUNDCOVER DETAIL NOT TO SCALE

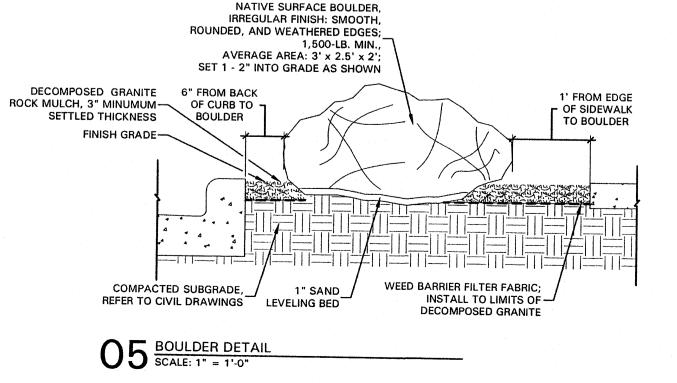


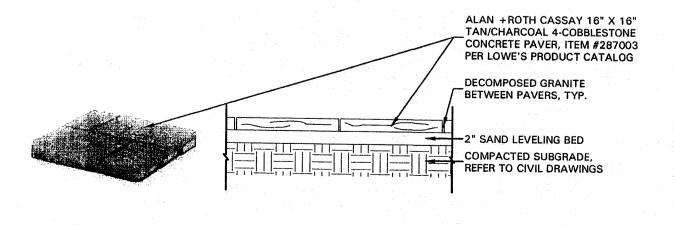


MOT USED

O4 YARD INLET SCALE: 1" = 1'-0"

O 1 TREE PLANTING DETAIL NOT TO SCALE





O6 CONCRETE PAVER DETAIL SCALE: 1" = 1'-0"

LANDSCAPE ARCHITECT: KORI HAUG, ASLA, CLARB 4245 N. Central Expy Suite 230 Dallas, Texas 75205 214.865.7192

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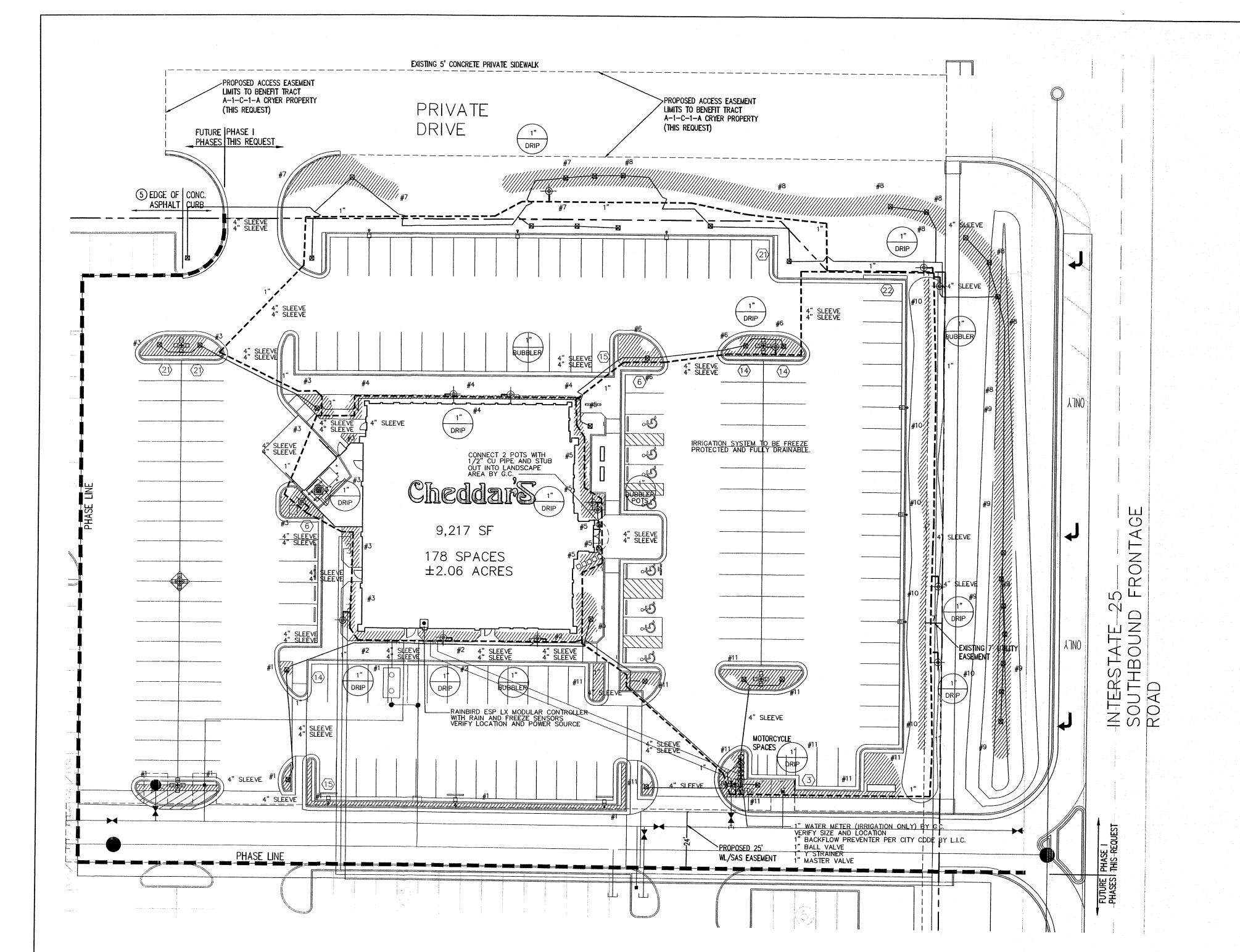
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LANDSCAPE SPECIFICATIONS

L1.03

AND DETAILS

CCC12012



SLEEVING NOTES

- 1. SLEEVES SHALL BE FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.
- SLEEVE MATERIAL SHALL BE SCHEDULE 40 PIPE, SIZE AS INDICATED ON PLAN.
- CONTRACTOR SHALL LAY SLEEVES AND CONDUITS AT TWENTY-FOUR (24") INCHES BELOW FINISH GRADE OF THE TOP OF PAVEMENT.
- 4. CONTRACTOR SHALL EXTEND SLEEVES ONE (1') FOOT BEYOND EDGE OF ALL PAVEMENT.
- 5. CONTRACTOR SHALL CAP PIPE ENDS USING PVC CAPS.
- 6. CONTRACTOR SHALL FURNISH OWNER AND IRRIGATION CONTRACTOR WITH AN 'AS-BUILT' DRAWING SHOWING ALL SLEEVE LOCATIONS.

IRRIGATION NOTES

- 1. THE IRRIGATION CONTRACTOR SHALL COORDINATE INSTALLATION OF THE IRRIGATION SYSTEM WITH THE LANDSCAPE CONTRACTOR SO THAT ALL PLANT MATERIAL WILL BE WATERED IN ACCORDANCE WITH THE INTENT OF THE PLANS AND SPECIFICATIONS.
- 2. ALL SPRINKLER EQUIPMENT NUMBERS REFERENCE THE RAINBIRD EQUIPMENT CATALOG UNLESS OTHERWISE
- 3. TEN DAYS PRIOR TO START OF CONSTRUCTION, IRRIGATION CONTRACTOR SHALL VERIFY STATIC WATER PRESSURE. IF STATIC PRESSURE IS LESS THAN 65 P.S.I., NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY. DO NOT WORK UNTIL NOTIFIED TO DO
- 4. SLEEVES SHALL BE FURNISHED AND INSTALLED BY GENERAL CONTRACTOR. SLEEVE MATERIAL SHALL BE SCHEDULE 40, SIZE AS INDICATED ON PLAN. REFER TO SLEEVING NOTES.
- 5. ALL MAIN LINE AND LATERAL LINE PIPING IN PLANTING AND LAWN AREAS SHALL HAVE A MINIMUM OF 12 INCHES OF COVER. ALL PIPING UNDER PAVING SHALL HAVE A MINIMUM OF 18 INCHES OF COVER. CONTRACTOR TO VERIFY LOCAL FREEZE DEPTHS AND ADJUST DEPTH OF COVER ACCORDINGLY.
- LAWN SPRAY HEADS SHALL BE RAINBIRD 1804 INSTALLED PER DETAIL SHOWN.
- 7. ROTOR HEADS SHALL BE RAINBIRD 5000 INSTALLED PER DETAIL SHOWN. (WITH BUILT-IN CHECK VALVE)
- 8. NOZZLES SHALL BE RAINBIRD PLASTIC. IRRIGATION CONTRACTOR SHALL SELECT THE PROPER ARC AND RADIUS FOR EACH NOZZLE TO ENSURE 100% AND PROPER COVERAGE OF ALL LAWN AREAS AND PLANT MATERIAL. NO WATER SHALL SPRAY ON BUILDING.
- 9. ALL NOZZLES IN PARKING LOT ISLANDS AND PLANTING BEDS SHALL BE LOW ANGLE NOZZLES TO MINIMIZE OVER SPRAY ON PAVEMENT SURFACES.
- 10. ELECTRIC CONTROL VALVES SHALL BE RAINBIRD PEB INSTALLED PER DETAIL SHOWN. SIZE OF VALVES AS SHOWN ON PLAN. VALVES SHALL BE INSTALLED IN VALUE BOXES LARGE ENOUGH TO PERMIT MANUAL OPERATION, REMOVAL OF SOLENOID AND / OR VALVE COVER WITHOUT ANY EARTH EXCAVATION.
- 11. ALL 24 VOLT VALVE WIRING TO BE UF 14 GAUGE SINGLE CONDUCTOR. ALL WIRE SPLICES ARE TO BE PERMANENT AND WATERPROOF.
- 12. AUTOMATIC CONTROLLER SHALL BE INSTALLED AT LOCATION SHOWN. POWER (120V) SHALL BE LOCATED IN A JUNCTION BOX WITHIN FIVE (5') FEET OF CONTROLLER, LOCATION BY OTHER TRADES. RAIN AND FREEZE SENSORS SHALL BE INSTALLED WITH EACH CONTROLLER.
- 13. THE DESIGN PRESSURE IS 65 PSI.
- 14. ELECTRICAL SPLICES AT EACH VALVE AND CONTROLLER ONLY.

IRRIGATION LEGEND

- RAINBIRD BUBBLER (2 PER TREE, TYP.) RAINBIRD PEB SERIES ELECTRIC VALVE
- CONTROLLER, SIZE AS INDICATED
- WATER METER, SIZE AS INDICATED
- WITH D.C.A., SIZE AS INDICATED
- PVC SCHEDULE 40 SLEEVING ---- PVC CLASS 200 MAINLINE
- PVC CLASS 200 LATERAL LINE





NETAFIM TECHLINE#TLDL6-1210 (18" LATERAL SPACING, 12" EMIITER SPACING) PVC LATERAL PIPING SIZED AS REQUIRED INSTALL ALL EQUIPMENT ACCORDING TO MANUFACTURERS SPECIFICATIONS



31 - 40

NETAFIM DISC FILTER #DF100-080 NETAFIM PRESSURE REGULATOR #PRV15025 INSTALL ALL EQUIPMENT ACCORDING TO MANUFACTURERS SPECIFICATIONS

BUBBLER PIPING CHART

NUMBER OF BUBBLERS 6 - 10 11 - 20 21 - 30



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IRRIGATION PLAN

L2.01

CCC12012

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SECTION 32 8423 - UNDERGROUND IRRIGATION SLEEVES AND UTILITY CONDUITS

الكالم المتابط كالمكالم المناكر كالمراكب فيصفحون المواسط والموضوع الراب الصلاحينية المناف فيساجين

PART 1 - GENERAL 1.1 DESCRIPTION

A. Provide underground irrigation sleeves as indicated on the drawings.

1.2 RELATED WORK SPECIFIED ELSEWHERE

A. Section 32 8424 - Irrigation System

1.3 REFERENCED STANDARDS

A. American Society for Testing and Materials: 1. ASTM - D2441 Poly (Vinyl Chloride) (PVC) Plastic Pipe

2. ASTM - D2466 Poly (Vinyl Chloride) (PVC) Plastic Pipe

Fittings, Socket Type, Schedule 40. 3. ASTM - D2564 Solvent Cements for Poly Vinyl Chloride Plastic Pipe and Fittings.

PART 2 - MATERIALS

2.1 DEFINITIONS A. Sleeve - A pipe within which another pipe is placed for

carrying water or other utilities to be installed. B. Wire Sleeves - A pipe used to carry low voltage irrigation wires for operation of the electric solenoid valves.

A. Polyvinyl Chloride Pipe (PVC) - Manufactured in accordance

1. Marking and Identification - Permanently marked with SDR number, ASTM standard number, and the NSF (National Sanitation Foundation) seal.

2. Solvent - As recommended by manufacturer to make solvent-welded joints. Thoroughly clean pipe and fittings before applying solvent.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Coverage - Provide twenty-four inches (24") minimum cover over top of sleeve from finish grade.

B. Sleeve Extensions - Extend sleeves one foot (1') past edge of pavement or concrete walls. Install 90 degree elbow on each sleeve end and add additional length of same size pipe to extend above finish grade by twelve inches (12"). Cap pipe ends using duct tape.

A. Compaction - Place backfill over sleeves in six (6") inch lifts. Tamp firmly into place taking care not to damage sleeve. Complete backfill and compaction to prevent any future settlement. Compact to 85% Standard Proctor

O 1 SLEEVE DETAIL NOT TO SCALE

B. Damage - Repair any damage resulting from improper compaction including pavement repair and replacement. END OF SECTION

SECTION 32 8424 - IRRIGATION SYSTEM PART 1 - GENERAL

1.1 SCOPE

A. Provide complete sprinkler installation as detailed and specified herein, includes furnishing all labor, materials and equipment for the proper installation. Work includes but is

Trenching and backfill.

Automatic controlled system.

3. Upon completion of installation, supply as-built drawings showing details of construction including location of mainline piping, manual and automatic valves, electrical supply to valves and specifically the exact location of automatic valves.

B. All sleeves as shown on plans shall be furnished by General Contractor. Meter and power source shall be provided by General Contractor.

1.2 RELATED WORK SPECIFIED ELSEWHERE

A. Refer to Irrigation Plans for controller, head and valve

B. Refer to Landscape Plans, notes, details, bidding requirements, special provisions, and schedules for additional

C. Section 32 9300 - Landscape

D. Section 32 8423 - Underground Irrigation Sleeve and Utility

1.3 APPLICABLE STANDARDS

A. America Standard for Testing and Materials (ASTM) - Latest

D2241 Poly (Vinyl Chloride) (PVC) Plastic Pipe (SDR-PR)

2. D2464 Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Thread, Schedule 80

3. D2455 Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings,

4. D2467 Poly (Vinyl Chloride) (PVC) Plastic Pipe Fittings, Socket Type, Schedule 80 5. D2564 Solvent Cements for Poly (Vinyl Chloride) (PVC)

6. D2287 Flexible Poly Vinyl Chloride (PVC) Plastic Pipe

7. F656 Poly Vinyl Chloride (PVC) Solvent Weld Primer

8. D2855 Making Solvent - Cemented Joints with Poly (Vinyl Chloride) (PVC) Pipe and Fittings 1.4 MAINTENANCE AND GUARANTEE

A. Materials and workmanship shall be fully guaranteed for one (1) year after final acceptance.

B. Provide maintenance of system, including raising and lowering of heads to compensate for lawn growth, cleaning and adjustment of heads and raising and lowering of shrub heads

C. Guarantee is limited to repair and replacement of defective materials or workmanship, including repair of backfill

1.5 SUBMITTALS A. Procedure: Comply with Division I requirements.

B. Product Data: Submit (5) copies of equipment including manufacturer's specifications and literature for approval by Landscape Architect prior to installation.

C. Project Record Documents

1. Comply with Division I requirements.

2. Locate by written dimension, routing of mainline piping, remote control valves and quick coupling valves. Locate mainlines by single dimensions from permanent site features provided they run parallel to these elements Locate valves, intermediate electrical connections, and quick couplers by two dimensions from a permanent site feature at approximately 70 degrees to each

3. When dimensioning is complete, transpose work to mylar reproducible tracings.

4. Submit completed tracings prior to final acceptance. Mark tracings "Record Prints Showing Significant Changes". Date and sign drawings.

5. Provide three complete operation manuals and equipment brochures neatly bound in a hard back three-ring binder. Include product data on all installed materials. Include warranties and guarantees extended to the Owner by the manufacturer of all equipment.

D. Quick Coupler Keys: Provide three (3) coupler keys with boiler drains attached using brass reducer.

E. Controller Keys: Provide three (3) sets of keys to controller

F. Use of materials differing in quality, size or performance from those specified will only be allowed upon written approval of the Landscape Architect. The decision will be based or comparative ability of material or article to perform fully all of the purposes of mechanics and general design considered to be possessed by the item specified.

G. Bidders desiring to make a substitution for specified sprinklers shall submit manufacturer's catalog sheet showing full specification of each type sprinkler proposed as a substitute, including discharge in GPM maximum allowable operating

H. Approval of substitute sprinkler shall not relieve Irrigation Contractor of his responsibility to demonstrate that final installed sprinkler system will operate according to intent of originally designed and specified system.

I. It is the responsibility of the Irrigation Contractor to demonstrate that final installed sprinkler system will operate according to intent of originally designed and specified system. If Irrigation Contractor notes any problems in head spacing or potential coverage, it is his responsibility to notify the Landscape Architect in writing, before proceeding with work. Irrigation Contractor guarantees 100% coverage of all areas to be irrigated.

1.6 TESTING

A. Perform testing required with other trades, including earthwork, paving, plumbing, electrical, etc. to avoid

- QUICK COUPLER

unnecessary cutting, patching and boring.

B. Water Pressure: Prior to starting construction, determine if static water pressure is as stated on Drawings. Confirm findings to Landscape Architect in writing. If static pressure varies from pressure stated on drawings, do not start work until notified to do so by Landscape Architect.

1.7 COORDINATION

A. Coordinate installation with other trades, including earthwork, paving, and plumbing to avoid unnecessary cutting, patching and boring.

B. Coordinate to ensure that electrical power source is in place Coordinate system installation with work specified in other sections and coordinate with Landscape Contractor to ensure plant material is uniformly watered in accordance with intent

PART 2 - PRODUCTS

shown on drawings.

A. Mainline: Piping from water source to operating valves. This portion of piping is subject to surges, being a closed portion of sprinkler system. Hydrant lines are considered a part of

B. Lateral Piping: Lateral piping is that portion of piping from operating valve to sprinkler heads. This portion of piping is not subject to surges, being an "open end" portion of

2.2 POLY VINYL CHLORIDE PIPE (PVC PIPE)

A. PVC pipe shall be manufactured in accordance with commercial standards noted herein.

B. Marking and Identification: PVC pipe shall be continuously and permanently marked with the following information: manufacturer's name, pipe size, type of pipe, and material, SDR number, product standard number, and the NSF (National Sanitation Foundation) seal.

C. PVC Pipe Fittings: Shall be of the same material as the PVC pipe specified and shall be compatible with PVC pipe

2.3 COPPER TUBING

A. Hard, straight lengths of domestic manufacture only. No copper tube of foreign extrusion or any so-called irrigation

2.4 COPPER TUBE FITTINGS

A. Cast brass or wrought copper, sweat - solder type.

A. Type UF with 4-64" insulation which is Underwriter's Laboratory approved for direct underground burial when used

in a National Electric Code Class II Circuit (30 volts AC or

B. Wire Connectors: Waterproof splice kit connectors. Type 2.6 SCHEDULE 80 PVC NIPPLES

A. Composed of Standard Schedule 40 PVC Fittings and PVC meeting noted standards. No clamps or wires may be used Nipples for heads and shrub risers to be nominal one-half inch

diameter by eight inches long, where applicable

B. Polyethylene nipples six (6") inches long to be used on all pop-up spray heads.

2.7 MATERIALS - See Irrigation Plan

A. Sprinkler heads in lawn area as specified on plan. B. PVC Pipe: Class 200, SPR 21

C. Copper Tubing (City Connection): Type "M"

D. 24V Wire: Size 14, Type UF

Refer to drawing for backflow prevention requirements and flow valve. Coordinate exact location with General

E. Electric valves to be all plastic construction as indicated on

PART 3 - EXECUTION

Contractor.

3.1 INSTALLATION - GENERAL

A. Staking: Before installation is started, place a stake where each sprinkler is to be located, in accordance with drawing. Staking shall be approved by Landscape Architect before

B. Excavations: Excavations are unclassified and include earth, loose rock, rock or any combination thereof, in wet or dry state. Backfill trenches with material that is suitable for compaction and contains no lumps, clods rock, debris, etc. Special backfill specifications, if furnished, takes precedence over this general specification.

Backfill: Flood or hand - tamp to prevent after settling. Hand rake trenches and adjoining area to leave grade in as good or better condition than before installation.

D. Piping Layout: Piping layout is diagrammatic. Route piping around trees and shrubs in such a manner as to avoid damage to plantings. Do not dig within ball of newly planted trees or

3.2 PIPE INSTALLATION

A. Sprinkler Mains: Install a four (4") inch wide minimum trench with a minimum of eighteen (18") inches of cover.

B. Lateral Piping: Install a four (4") inch wide minimum trench deep enough to allow for installation of sprinkler heads and valves, but in no case, with less than twelve (12") of cover.

C. Trenching: Remove lumber, rubbish and large rocks from trenches. Provide firm, uniform bearing for entire length of each pipe line to prevent uneven settlement. Wedging or blocking of pipe will not be permitted. Remove foreign matter or dirt from inside of pipe before welding, and keep piping clean by approved means during and after laying of pipe.

3.3 PVC PIPE AND FITTING ASSEMBLY

A. Solvent: Use only solvent recommended by manufacturer to make solvent-welded joints. Thoroughly clean pipe and fittings of dirt, dust and moisture before applying solvent.

B. PVC to metal connection: Work metal connections first. Use a non-hardening pipe dope such as Permatex No. 2 on threaded PVC adapters into which pipe may be welded. 3.4 COPPER TUBING AND FITTING ASSEMBLY

A. Clean pipe and fitting thoroughly and lightly sand pipe connections to remove residue from pipe. Attach fittings to tubing in an approved manner using 50-50 soft solid core

3.5 POP-UP SPRAY HEADS

A. Supply pop-up spray heads in accordance with materials list and plan. Attach sprinkler to lateral piping with a semi-flexible polyethylene nipple not less than three (3") inches or more than six (6") inches long.

3.6 VALVES

B. Supply valves in accordance with materials list and sized according to drawings. Install valves in a level position in accordance with manufacturer's specifications. See plan for typical installation of electric valve and valve box.

3.7 WIRING

A. Supply wire from the automatic sprinkler controls to the valves. No conduit will be required for UF wire unless otherwise noted on the plan. Wire shall be tucked under the

B. A separate wire is required from the control to each electric valve. A common neutral wire is also required from each control to each of the valves served by each particular

C. Bundle multiple wires and tape them together at ten (10') foot intervals. Install ten (10") inch expansion coils at not more than one hundred (100') foot intervals. Make splices

3.8 AUTOMATIC SPRINKLER CONTROLS

A. Supply in accordance with Irrigation Plan. Install according to manufacturer's recommendations. 3.9 TESTING

A. Sprinkler Mains: Test sprinkler main only for a period of

twelve (12) to fourteen (14) hours under normal pressure. If

B. Complete tests prior to backfilling. Sufficient backfill material may be placed in trenches between fittings to ensure stability of line under pressure. In each case, leave fittings and couplings open to visual inspection for full period of test.

3.10 FINAL ADJUSTMENT

A. After installation has been completed, make final adjustment of sprinkler system in preparation for Landscape Architect's final inspection. Completely flush system to remove debris from lines and turning on system. Check sprinklers for proper operation and proper alignment for direction of flow. Check each section of spray heads for operating pressure and balance to other sections by use of flow adjustment and top of each valve. Check nozzling for proper coverage. Prevailing wind conditions may indicate that arc of angle of spray should be other than shown on drawings. In this case, change

nozzles to provide correct coverage. END OF SECTION

E-MAIL scottw@idstudio4.com CHEDDARS CASUAL CAFE 2250 W. JOHN CARPENTER FWY, SUITE 560 IRVING, TX 75063

DAVID SCOTT WINDLE, AIA

1431 GREENWAY DRIVE

SUITE 150 IRVING, TX 75038 PHONE 972.870.1288

EMAIL: www.cheddars.com



4 AL ASU, **AR'S** CHEDD,

Cheddars

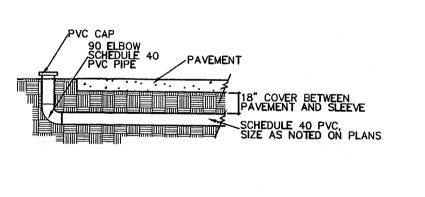
03.05.2013 CITY COMMENTS

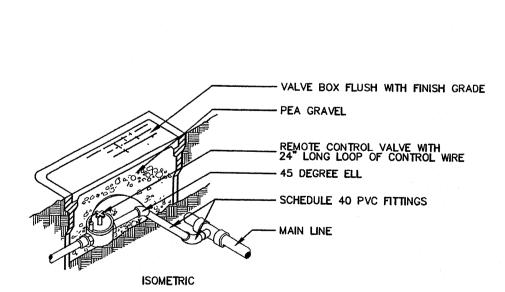
IRRIGATION **SPECIFICATIONS** AND DETAILS

L2.02 LANDSCAPE ARCHITECT: KORI HAUG, ASLA, CLARB 4245 N. Central Expy Suite 230 Dallas, Texas 75205 214.865.7192

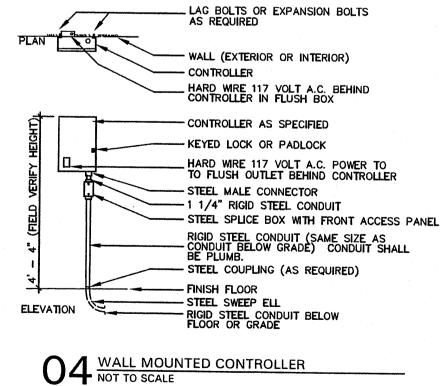
CCC12012

ADAPT INLET AND OUTLET (AS REQUIRED) PVC LINE PER SPECIFICATIONS TO IRRIGATION SYSTEMS - GATE VALVE FEBCO MODEL 805 DOUBLE CHECK VALVE, LINE SIZE - WASHED ROCK (1/2" - 3/4" DIA.), DEPTH PER CITY REQUIREMENT ELEVATION MAIN FROM SOURCE PER CITY REQUIREMENT 05 BACKFLOW PREVENTER NOT TO SCALE





03 REMOTE CONTROL VALVE



02 QUICK COUPLER NOT TO SCALE

		BA	SIN SUMM	ARY				
	HYDROL	OGICAL VO	LUMETRIC	& DISCHA	RGE DATA			
BASIN	AREA		% LAND TREATMENT				DISCHARGE (CFS)	
I.D.	(AC)	A	В	С	D	10 YR	100YR	
	HYRDOLOGICA	L VOLUMET	RIC & DISC	HARGE DA	TA (DEVELO	OPED)	L	
	<u> </u>		ONSITE	}	1		1	
BASINS								
Basin A	5.59	0.0%	15.0%	0.0%	85.0%	15.71	24.22	
SUBTOTAL	5.59					15.71	24.22	
SUB-BASINS							:	
A-1	2.06	0.0%	15.0%	0.0%	85.0%	5.79	8.93	
A-2	3.53	0.0%	0.0%	100.0%	0.0%	6.02	11.05	
SUBTOATAL	5.59					27.51	19.98	
NOTES:	PER SECTIO	N 22 2 OF C	OA DDM					

GRADING AND DRAINAGE NARRATIVE

And the second s

THE PURPOSE OF THIS SUBMITTAL IS TO PRESENT A DRAINAGE PLAN FOR A PROPOSED CHEDDAR'S RESTAURANT IN NE ALBUQUERQUE. THE SITE IS LOCATED ALONG THE SOUTHBOUND I-25 FRONTAGE ROAD IN THE OLD CU AUTO SITE (ORIGINALLY MALIBU GRAND PRIX) SOUTH OF CENTURY RIO 24. THE CHEDDAR'S RESTAURANT IS PHASE 1 OF A BIGGER PROJECT BUT HAS TO BE ANALYZED AND INTERGRATED IN THE PROJECT AS A WHOLE THEREFORE, THIS DRAINAGE PLAN WILL INCLUDE BOTH INTERIM AND ULTIMATE CONDITIONS.

II. SITE LOCATION
THE SITE IS LOCATED WITHIN ZONE ATLAS MAP F-17-Z. THE PROJECT IS BOUNDED ALONG THE EAST BY A PRIVATE ACCESS TO CENTURY RIO, ALONG THE WEST BY A PNM YARD AND FUDDRUCKERS, ALONG THE NORTH BY CENTURY RIO 24 MOVIE THEATER AND ALONG THE SOUTH BY SOUTHBOUTH I-25 FRONTAGE ROAD.

III. EXISTING HYDROLOGIC CONDITIONS
THE SITE ENCOMPASSES APPROXIMATELY 5.59 ACRES. EVENTHOUGH THE SITE WAS PREVIOUS OCCUPIED BY CU AUTO, THE SITE HAS REMAINED UNCHANGED FROM THE ORIGINAL MALIBU GRAND PRIX RACE TRACK. THE EXISTING DRAINAGE REPORT, <u>DRAINAGE STUDY FOR AN EASTERLY PORTION OF TRACT A-1C, CRYER PROPERTY, DATED</u> OCTOBER 1978 PREPARED BY GARDNER ENGINEERS, INC, INDICATES THAT THE NORTHERLY PORTION OF THE SITE (FROM THE BACK OF THE EXISTING BUILDING TO THE NORTH PROPERTY LINE) DRAINS TO THE VINEYARD ARROYO. THIS PORTION OF THE SITE DRAINS TO THE NORTHWEST CORNER, WHERE A SUMP INLET COLLECTS THE RUNOFF AND IT IS DISCHARGED INTO THE VINEYARD ARROYO. THE REMAINING PORTION OF THE SITE (THE PARKING LOT, APPROX 1.42 ACRES) LOCATED AT THE SOUTH END OF THE SITE AND FRONTING THE NMDOT ROW DRAINS TO THE CENTER OF THE PARKING LOT TOWARD THE MEDIANS AND PONDS, WITH NO FLOW DISCHARGING OFFSITE, THIS REPORT INDICATES THE TOTAL FLOW DISCHARGING TO THE CHANNEL IS Q100=13.79CFS AND THE FLOW BEING RETAINED IN THE PARKING LOT TO BE Q100 = 1.89CFS. THE PREVIOUS LAND TREATMENT TYPES WERE APPROX, 61% B AND 39% D.

ALONG THE WESTERN BOUNDARY, ADJACENT TO THE PNM YARD, THERE HAS BEEN SOME DRAINAGE EROSION AND RUNOFF FROM THIS SITE INTO THE PNM YARD. IN THE INTERIM, A DIRT BERM WILL BE CONSTRUCTED ALONG THIS EDGE TO DIVERT ANY WATER TO THE INLET, MENTIONED ABOVE. ULTIMATELY, WHEN THE SITE IS AT FULL BUILDING OUT, THERE WILL BE CURB AND GUTTER TO REDIRECT THIS FLOW TO THIS SAME INLET.

THERE IS NO ONSITE DRAINAGE DISCHARGING INTO NMDOT RIGHT-OF-WAY. HOWEVER, THERE IS AN EXISTING SWALE AND CULVERTS WHICH ACCEPT FLOW FROM THE FRONTAGE ROAD'S PAVED LANES. WITH THIS DEVELOPMENT, A RIGHT TURN LANE AND ACCELERATION LANE IS BEING CONSTRUCTED IN ADDITION TO CURB AND GUTTER ALONG THE FRONTAGE OF THE SITE. THE CURB AND GUTTER WILL HAVE PERIODIC CURB CURBS FOR THE RUNOFF OF THE FRONTAGE ROAD LANES TO DISCHARGE INTO THE SWALE. THE EXISTING SWALE AND CULVERT WILL NEED TO BE SHIFTED TO THE NORTH TO ACCOMMODATE THE NEW LANES. THE CULVERT IS CURRENTLY A 24" CMP PIPE WHICH WILL BE REPLACED WITH A 19" X 30" RCP SQUASH PIPE WHICH

IS A 24" ROUND EQUIVALENT.

V. INTERIM HYDROLOGIC CONDITIONS

CHAMA RIVER BREWING

THE INTERIM CONDITION IS PHASE 1 OF THE DEVELOPMENT WHICH INCLUDES THE CHEDDAR'S RESTAURANT AND DEMOLITION OF THE ENTIRE SITE.

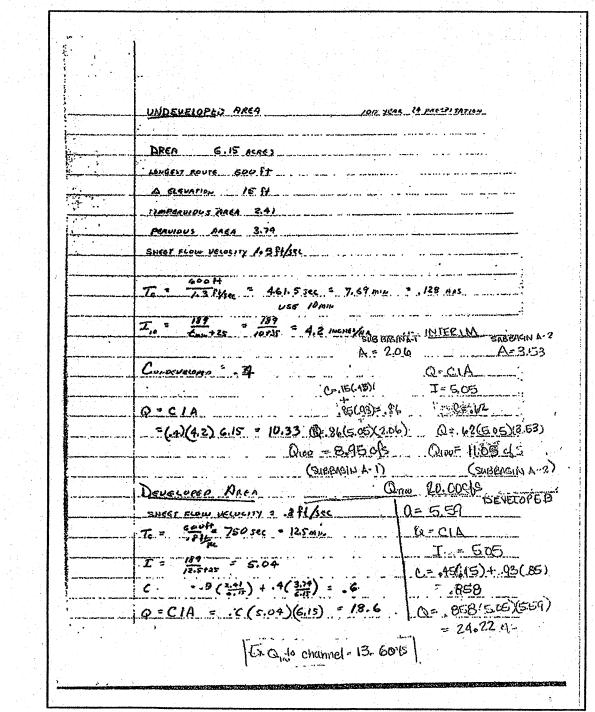
THE CHEDDAR'S SITE (DEVELOPED Q100=8.93cfs)WILL HAVE A MINIMUM 1% SLOPE FROM THE SOUTHERN PROPERTY LINE NORTH TOWARD THE VINEYARD ARROYO. THERE WILL EITHER BE PERMANENT CURB AND GUTTER OR TEMPORARY ASPHALT CURB ON THE NORTH AND WEST PERIMETER TO CONVEY RUNOFF TO THE NORTHWEST CORNER OF THE PARKING LOT WHERE THERE WILL BE A CURB CUT. THE FLOW WILL DISCHARGE THROUGH THE CURB CUT AND INTO A TEMPORARY SWALE WHICH WILL CONVEY THE FLOW TO A WATER QUALITY POND AND ULTIMATELY TO THE NW CORNER WHERE THERE IS AN EXISTING LOW POINTS WITH AN INLET AND PIPE PENETRATION TO THE VINEYARD ARROYO. THE INLET AND PIPE PENETRATION WILL BE REANALYZED AND DESIGNED WITH THIS PHASE TO ACCEPT AND HANDLE FULLY DEVELOPED FLOW. THE REMAINDER OF THE SITE (Q100=11.05cfs) WILL ALSO DRAIN TO THIS NEW INLET. AS MENTIONED ABOVE A BERM WILL BE PLACED ALONG THE WESTERN EDGE OF THE PROPERTY TO CONVEY THE FLOW. THE TOTAL FLOW DISCHARGING TO THE VINEYARD CHANNEL IN THE VINEYARD CHANNEL IS

FUDDRUCKERS

VI. ULTIMATE HYDROLOGIC CONDITIONS ULTIMATELY, WHEN THE SITE IS FULLY DEVELOPED, THE SITE WILL HAVE TO ADHERE TO THE SAME 15% LANDCAPING WHICH WILL PUT THE LAND TREATMENT TYPE TO BE 15% B (LANDSCAPING) AND 85% D (IMPERVIOUS). THEREFORE THE TOTAL FLOW FOR FULLY DEVELOPED CONDITIONS DISCHARGING TO THE VINEYARD ARROYO WILL BE Q100=24.22CFS. THE FLOW FOR THE FULLY DEVELOPED SITE WILL DISCHARGE TO THE SAME INLET AS MENTIONED PREVIOUSLY. AS INDICATED IN THE INTERIM SECTION, THE INLET AND PIPE PENETRATION TO THE VINEYARD CHANNEL WILL BE DESIGNED AND BUILT WITH PHASE 1 TO HANDLE THE ULTIMATE FLOW.

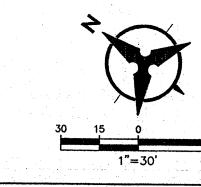
VII. CONCLUSION
THE DRAINAGE PLAN IS CAPABLE OF SAFELY PASSING THE 100 YEAR STORM EVENT AND MEETS AMAFCA, CITY AND NMDOT REQUIREMENTS. ALL ANALYSIS WAS COMPLETED IN ACCORDANCE WITH SECTION 22.2 OF THE DEVELOPMENT

EXISTING BASIN, INTERIM AND ULTIMATE CALCULATIONS (EXCERPT FROM EXISTING DRAINAGE REPORT)



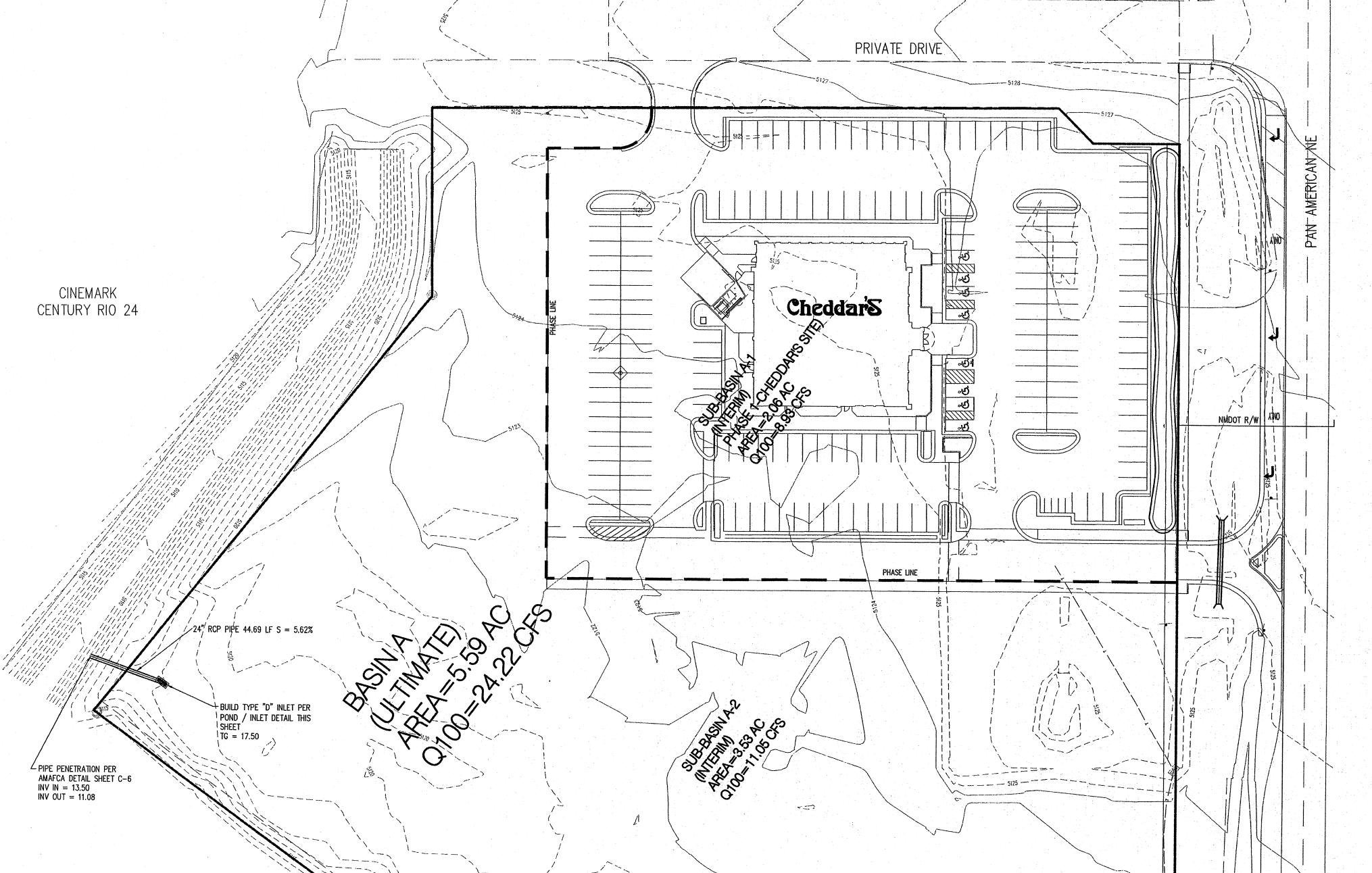
-INSTALL 4" - 6" COBBLE AROUND INLET TO TOP OF GRATE -ANCHOR PIPE TO INLET THREADED CAP-PERFORATED — RISER PIPE 24"x24" PVC TEE RCP OUTLET PIPE GRAVEL (1½" TO 3") AROUND— PERFORATED RISER COMPACTED TO 95% — MAXIMUM DENSITY PER ASTM D-1557 GRAVEL (1½" TO 3")
AROUND PERFORATED
PIPE POND / WATER QUALITY INLET DETAIL -compacted to 95% Maximum Density Per ASTM D-1557 NOT TO SCALE

SEE GRADING PLAN FOR PROPOSED CONTOURS



of 6

Bohannan A Huston



DRAINAGE PLAN

SUAL CHEDDA

ARCHITECT:

DAVID SCOTT

WINDLE, AIA

1431 GREENWAY DRIVE

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CHEDDARS CASUAL CAFE

IRVING, TX 75063
EMAIL: www.cheddars.com

2250 W. JOHN CARPENTER FWY, SUITE 560

IRVING, TX 75038 PHONE 972.870.1288

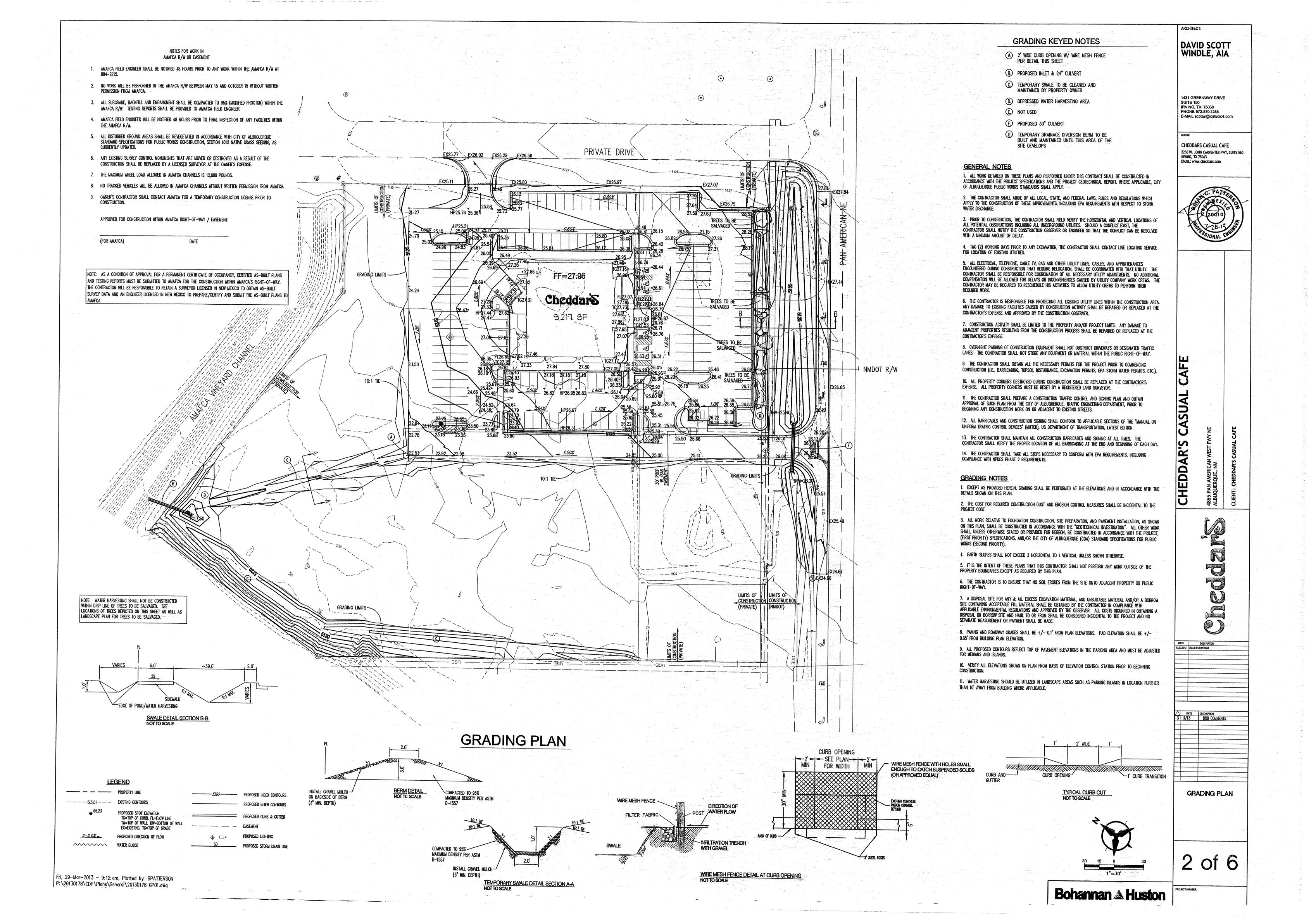
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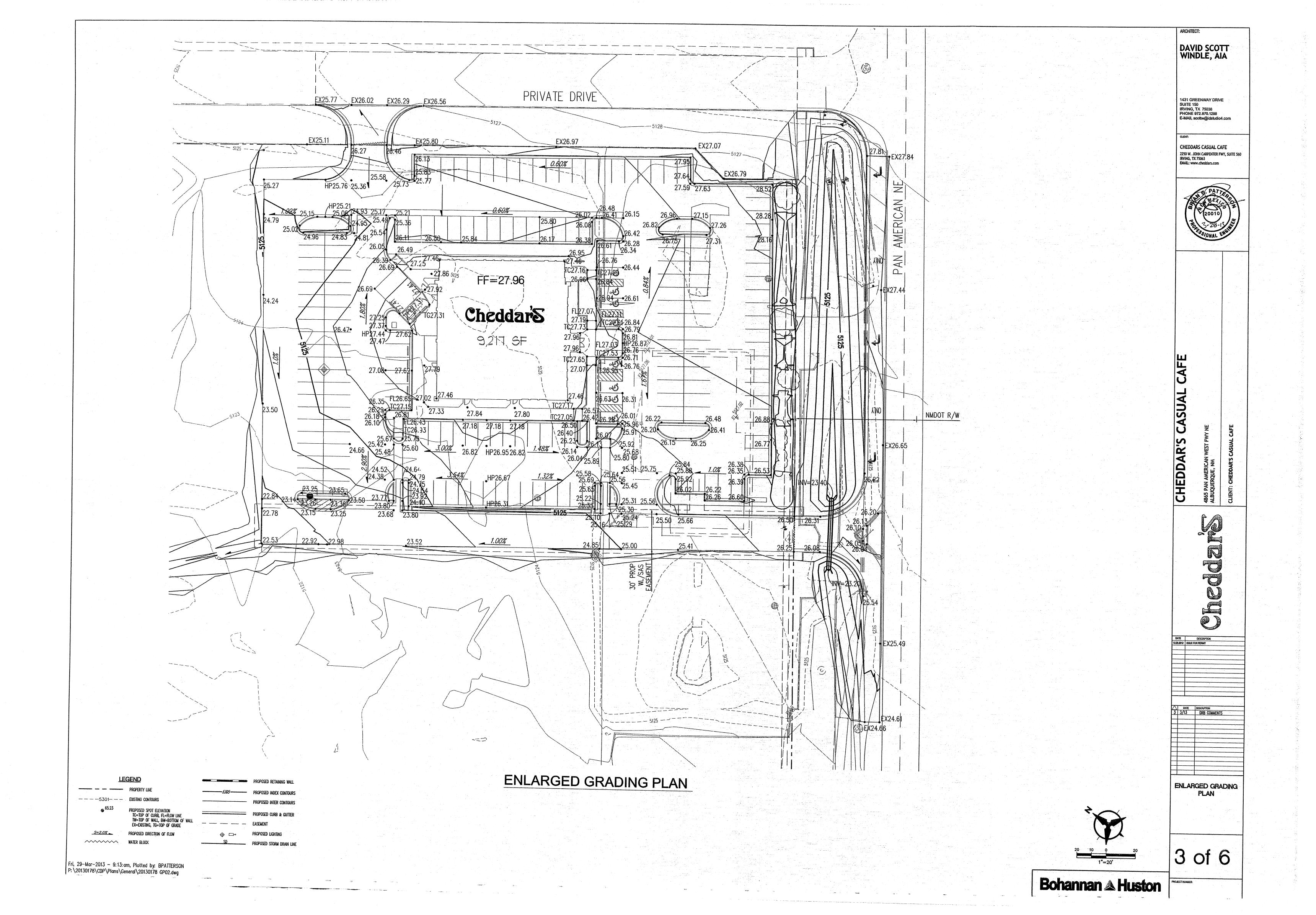
R O TU EU

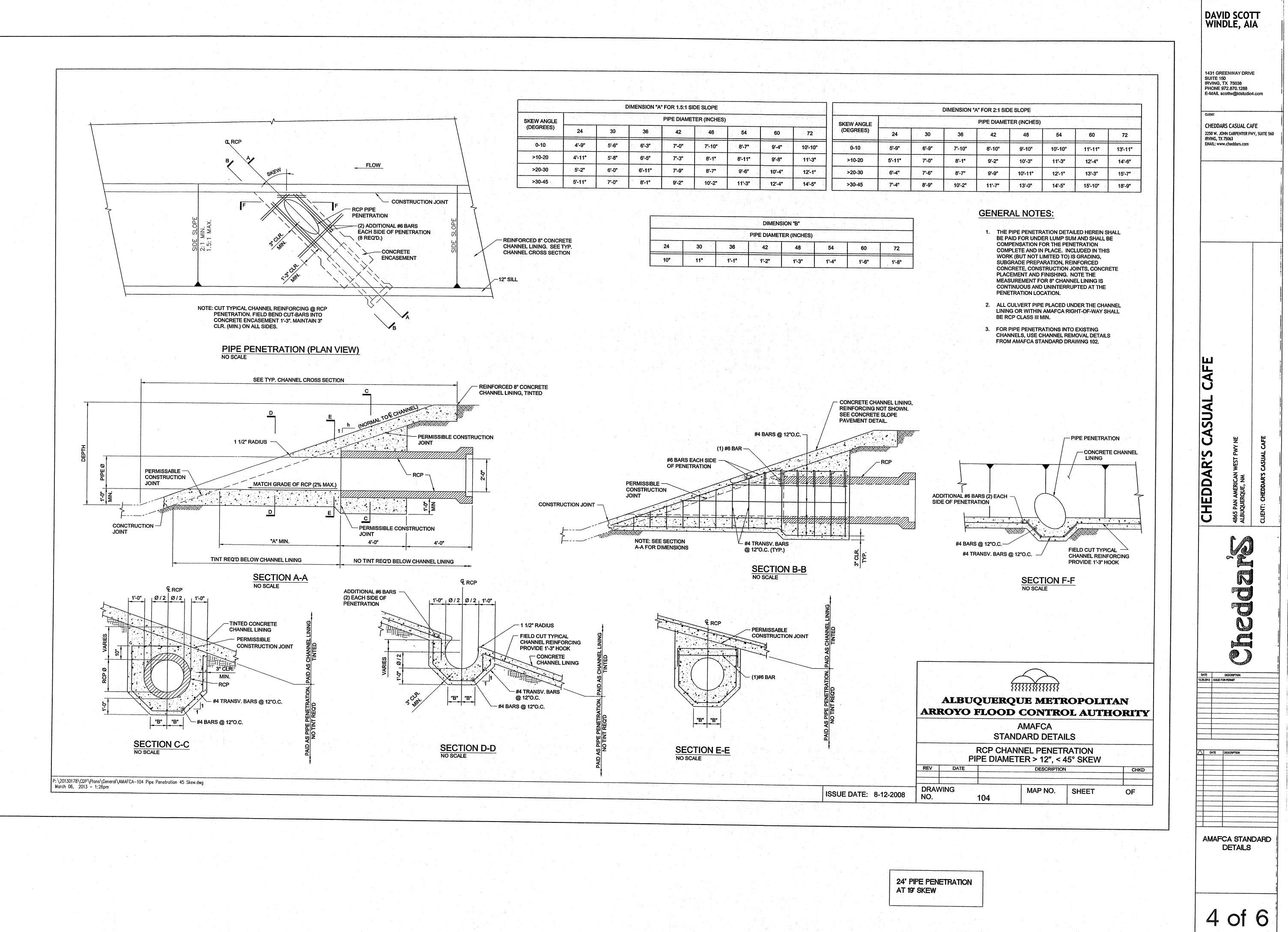
DRAINAGE PLAN

Wed, 6-Mar-2013 - 1:25:pm, Plotted by: AROMERO

PNM FACILITY



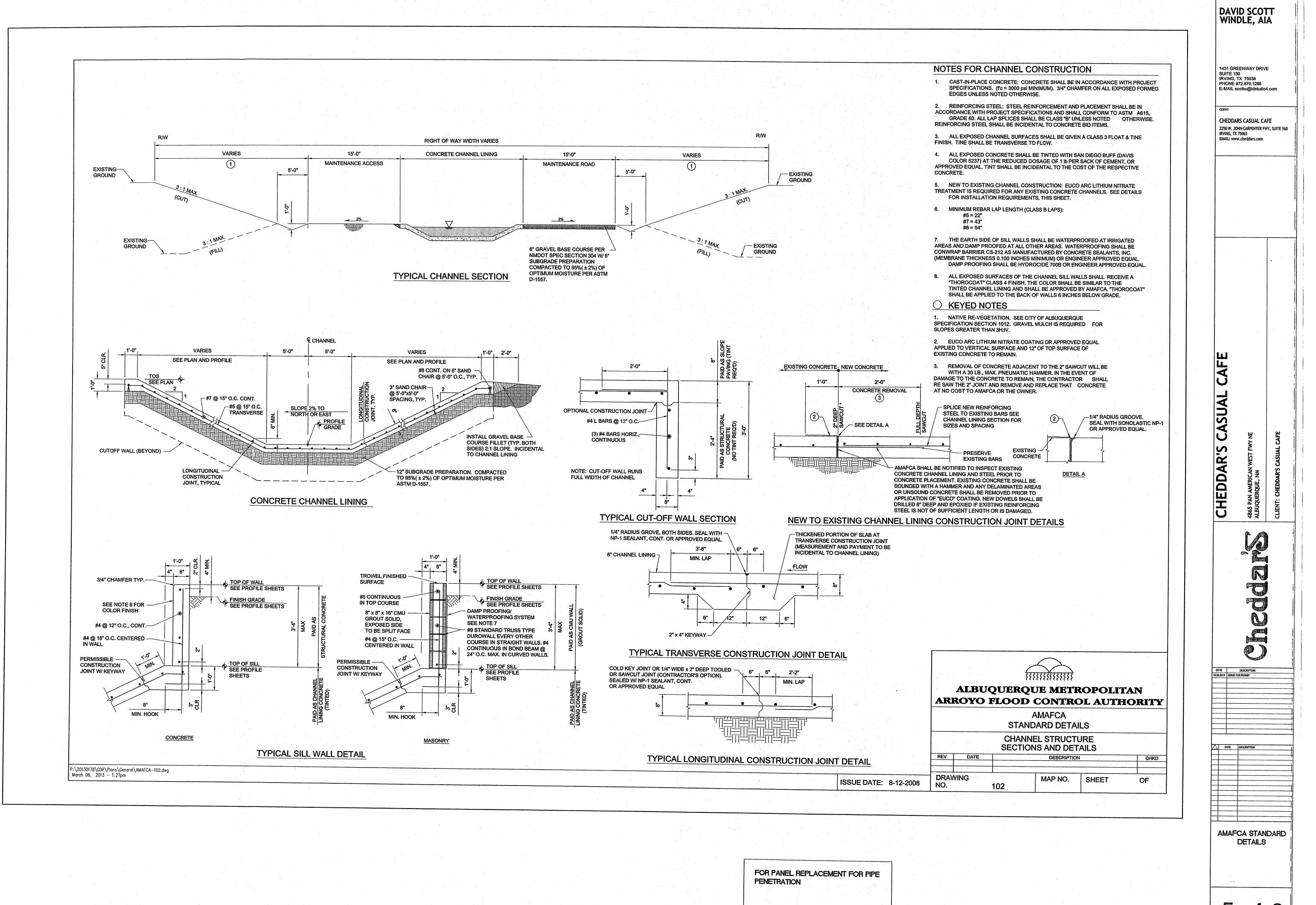




Wed 6-Mar-2013 - 1:26:nm Plotted by AROMFRO

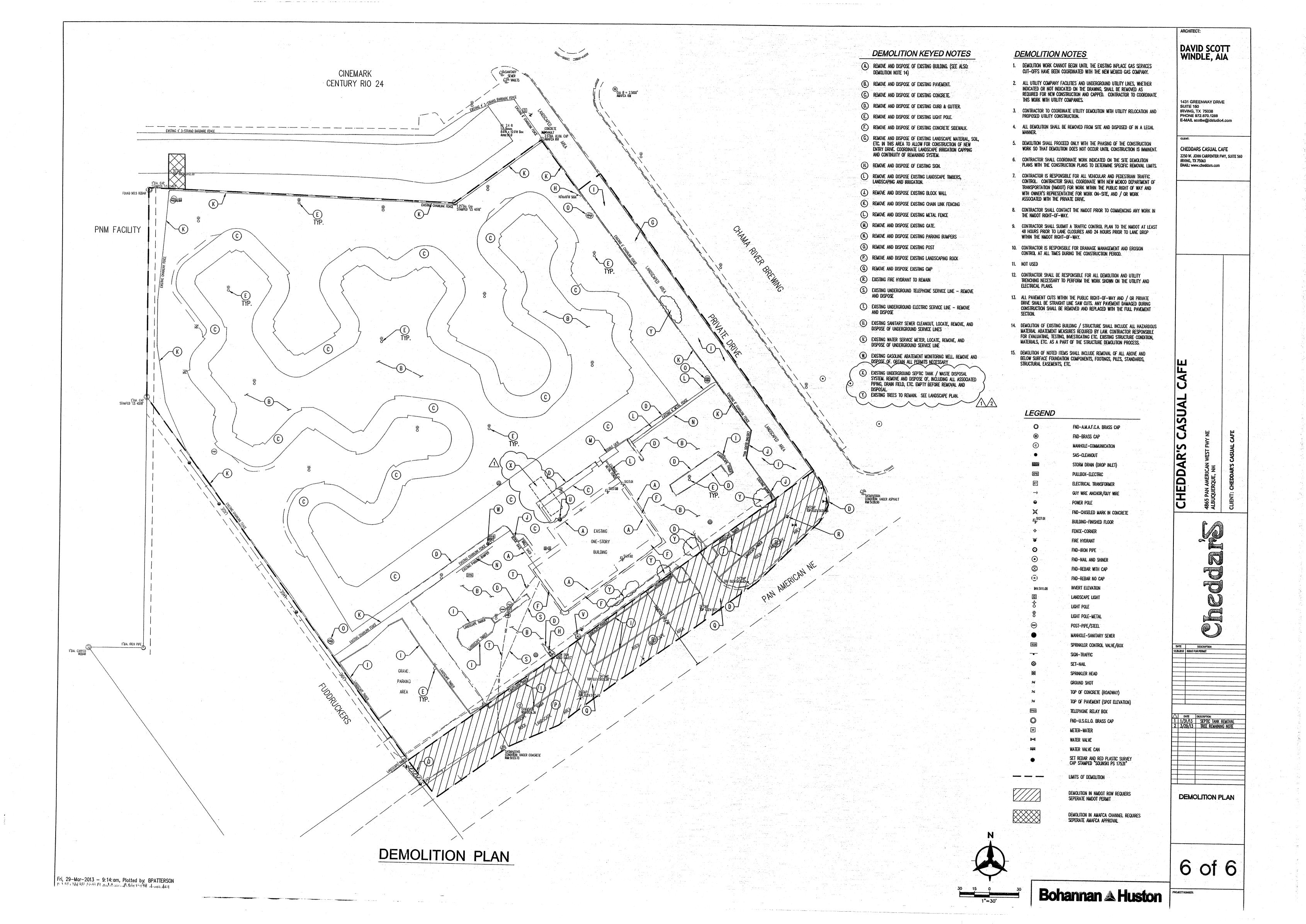
Bohannan A Huston

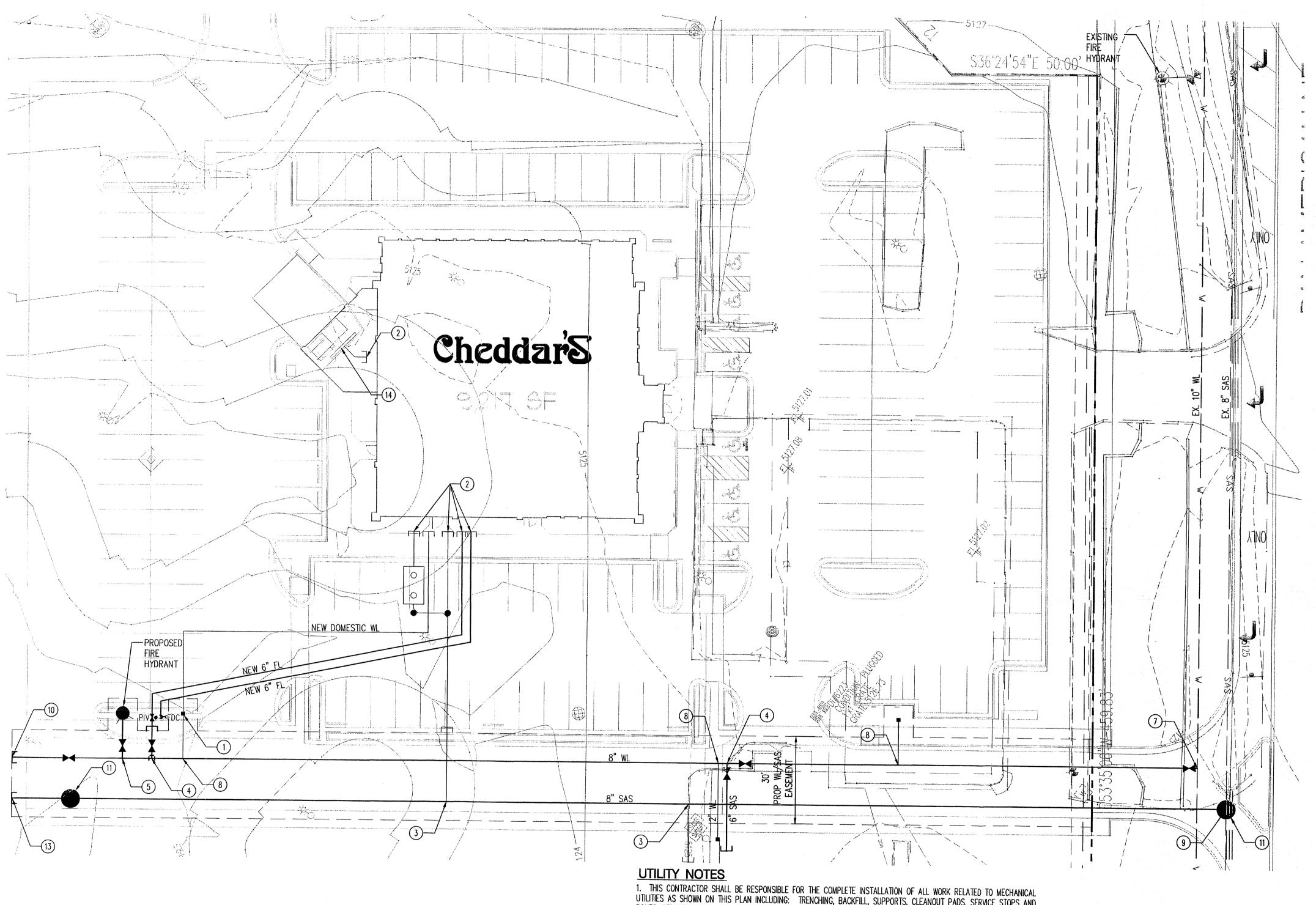
ARCHITECT:



Wed. 6—Mar—2013 — 1:27:pm. Plotted bv. AROMERO

ARCHITECT:



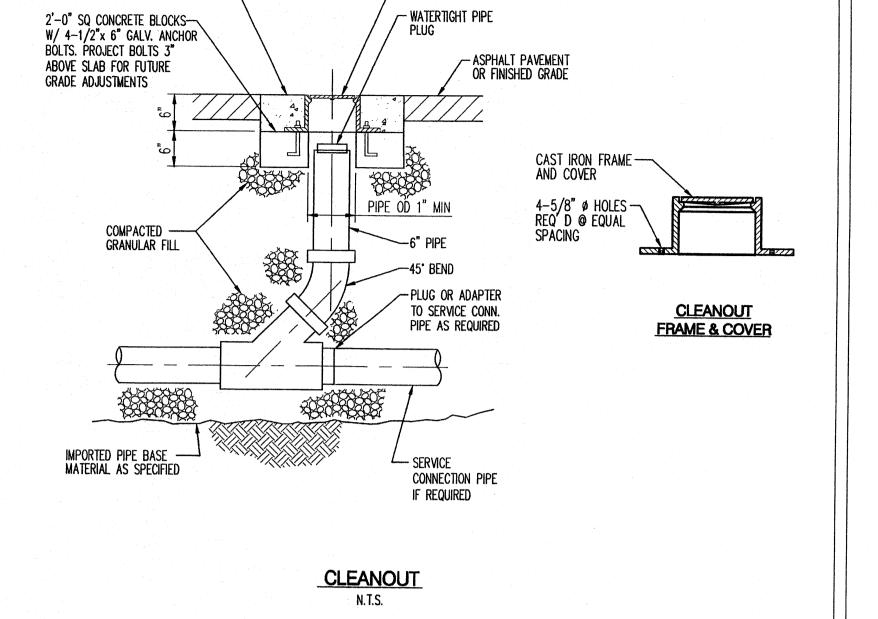


GENERAL NOTES

- 1. PRIOR TO BEGINNING ANY WORK WITHIN THE CITY OF ALBUQUERQUE RIGHT-OF-WAY THE CONTRACTOR SHALL OBTAIN A MINI-WORK ORDER FROM THE ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY (ABCWUA) TO CONSTRUCT THE UTILITY SERVICE CONNECTIONS (WATER, AND FIRE) WITHIN PINON verde RD.
- 2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO PUBLIC WORKS STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH CURRENT UPDATE.
- 3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- 4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- 5. CONTRACTOR SHALL COORDINATE WITH THE ALBUQUERQUE BERNALILLO COUNTRY WATER UTILITY AUTHORITY (ABCWUA) FIVE (5) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION THREE (3) WORKING DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.

UTILITIES AS SHOWN ON THIS PLAN INCLUDING: TRENCHING, BACKFILL, SUPPORTS, CLEANOUT PADS, SERVICE STOPS AND BOXES, SERVICE LINES, TESTING, CLEANING, AND STERILIZING. ANY WORK NOT ACCEPTED BY THE ARCHITECT OR ENGINEER DUE TO IMPROPER WORKMANSHIP OR LACK OF PROPER COORDINATION SHALL BE REMOVED AND CORRECTLY INSTALLED AT THE CONTRACTOR'S EXPENSE, AS DIRECTED.

- 2. MINIMUM DEPTHS OF COVER SHALL BE: 36" FOR WATERLINES AND 48" FOR SEWER, EXCEPT AT BUILDING CONNECTION. 3. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED OF HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE IAPMO UNIFORM PLUMBING CODE & NFPA 24, LATEST
- 4. UTILITY LINES SHALL BE INSTALLED PRIOR TO PAVEMENT, CURB AND GUTTER, AND/OR SIDEWALK, AS APPLICABLE.
- 5. ROUGH GRADING OF SITE (±0.5') SHALL BE COMPLETED PRIOR TO INSTALLATION OF UTILITY LINES.
- 6. CONTRACTOR WILL BE RESPONSIBLE FOR CONNECTIONS TO BUILDING DRAIN LINES AND ALL NECESSARY FITTINGS.
- 7. ALL VALVES SHALL BE ANCHORED PER COA STANDARD DWG. 2333.
- 8. FIRE LINES SHALL USE PIPE MATERIALS UNDERWRITERS LABORATORIES LISTED AND APPROVED FOR FIRE SERVICE.
- 9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WATER METER, FIRE LINE, AND SEWER HOOKUP FEES FOR INSTALLATIONS. OWNER SHALL BE RESPONSIBLE FOR UTILITY EXPANSION CHARGES, PRORATA AND OTHER SPECIAL ASSESSMENTS.
- 10. CONTRACTOR SHALL VERIFY INVERTS AND LOCATIONS OF EXISTING WATER/SAS LINES PRIOR TO BEGINNING WORK. ALL CONFLICTS SHALL BE BROUGHT TO ATTENTION OF THE ENGINEER AND RESOLVED PRIOR TO BEGINNING WORK.
- 11. CONTRACTOR SHALL NOTIFY THE AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION OF FIRE SERVICE LINES, AND PRIOR TO TESTING OF ALL WATERLINES. CONTRACTOR SHALL COMPLETE, SIGN, AND SUBMIT THE "CONTRACTOR'S MATERIAL & TEST CERTIFICATE FOR UNDERGROUND PIPING" IN ACCORDANCE WITH NFPA 24.
- 12. SCREENING SURROUNDING GROUND MOUNTED TRANSFORMERS AND UTILITY PAOS SHALL BE LOCATED 10' MIN. CLEAR FROM THE FRONT OF THE EQUIPMENT AND 6' MIN. CLEAR FROM THE REMAINING 3 SIDES.



CLEANOUT FRAME & COVER

UTILITY KEYED NOTES

- INSTALL REDUCED PRESSURE BACKFLOW PREVENTER W/ HOT BOX PER COA STD. DWG. 2385
- 2. TIE TO WITHIN 5' OF BUILDING

IN PAVED AREAS INSTALL 2'-0" SQ CONCRETE COLLAR

W/ 4x4 NO. 6 WWF

- 3. INSTALL NEW CLEAN-OUT PER DETAIL THIS SHEET
- 4. INSTALL 8"x8"x6" TEE W/ RESTRAINED JOINTS, 1-6" GATE VALVE W/ BOX & LID PER COA STD DWG 2326.
- 5. INSTALL 8"x8"x6" TEE, 6" GATE VALVE W/ BOX & LID PER COA STD DWG 2326 & 1-FIRE HYDRANT COMPLETE PER COA STD DWG 2340.
- 6. REMOVE & REPLACE EXISTING ASPHALT, CURB & GUTTER AND SIDEWALK PER COA STD. DWG. 2465
- 7. CONNECT TO EXISTING 10" WATER LINE. NON-PRESSURE CONNECTION. INSTALL 10"x10"x8" TEE W/ RESTRAINED JOINTS, 1-8" GATE VALVE W/ BOX & LID PER COA STD DWG 2326.
- 8. 2" WATER SERVICE PER COA STD. DWG. 2363
- 9. TIE TO EXISTING SAS
- 10. INSTALL 8" GATE VALVE W/ BOX & LID PER COA STD. DWG. 2326, INSTALL 8" WL CAP
- 11. 4' SAS MH
- 12. 12. EXISTING CULVERT
- 13. 13. 8" SAS PLUG
- 14. TRENCH DRAIN

LEGEND

——— EXISTING WATER LINE

----- EXISTING SANITARY SEWER

PROPOSED SANITARY SEWER LINE

PROPOSED CLEANOUT

PROPOSED WATER LINE

PROPOSED VALVE

PROPOSED FIRE LINE

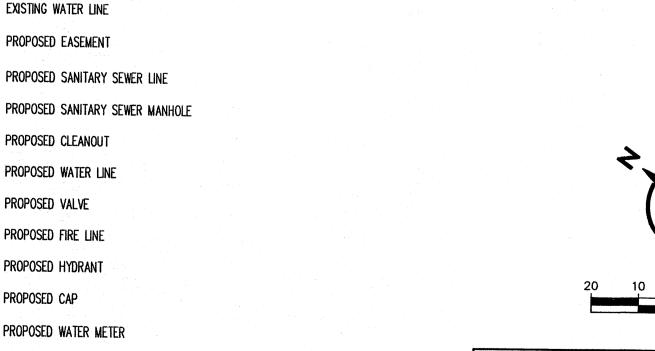
PROPOSED HYDRANT

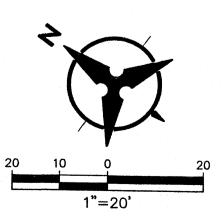
PROPOSED WATER METER

PROPOSED POST INDICATOR VALVE

PROPOSED CAP

PROPERTY LINE





Bohannan A Huston

FEBRUARY 5, 2013



CONCEPTUAL UTILITY PLAN SCALE AS NOTED

PROJECT





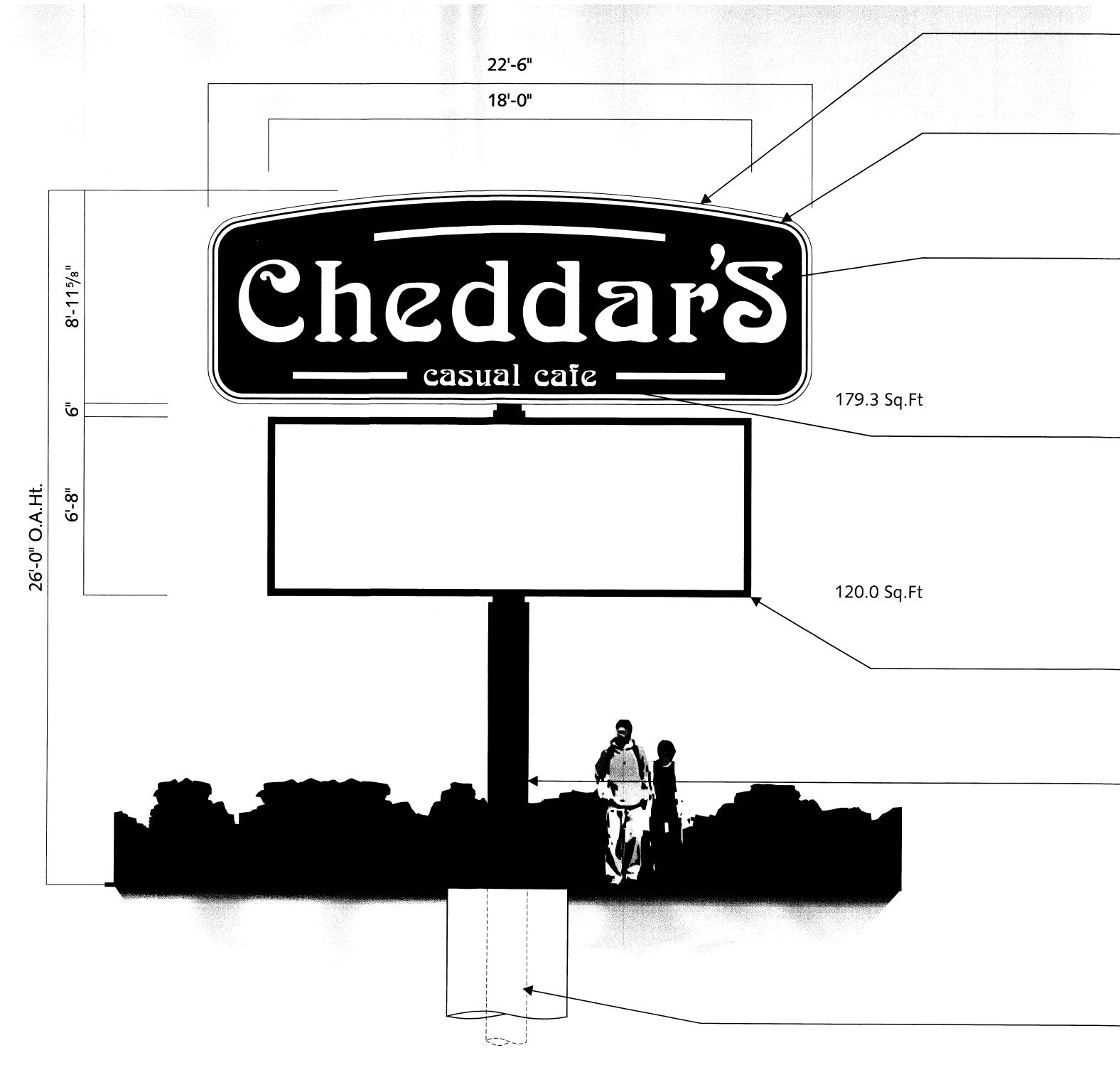
CheddarS

Cheddar's Casual Cafe

Albuquerque, New Mexico

DAVID SCOTT WINDLE, AIA

SIGNAGE PLAN



D/F PYLON SIGN (1) REQUIRED - MANUFACTURE & INSTALL

299.3 Sq.Ft. SCALE: 3/16'' = 1'-0'' 277v

D/F CABINET - .080 ALUMINUM FACES w/ .063 ALUMINUM FILLER -PAINT FILLER SW GENISIS SATIN BLACK -PAINT FACES w/ DUPONT 143 RED

3" DEEP ALUMINUM CHANNEL BORDER -.063 BACKS w/ .050 RETURNS PAINTED SW GENISIS TO MATCH DUPONT CENTARI #4775 CREAM - SINGLE TUBE 15mm CLEAR RED NEON BORDER -30 M.A. 277v

3" DEEP ALUMINUM FAB. OPEN CHANNEL LETTERS "Cheddar'S" -.063 BACKS w/ .050 RETURNS -PAINT INSIDE SW GENISIS TO MATCH **DUPONT CENTARI #4775 CREAM -**PAINT OUTSIDE RETURNS SATIN BLACK -ILLUMINATED w/ CLEAR RED EXPOSED NEON (1 OR 2 AS REQUIRED) - 30 M.A. 277v

ROUTED COPY "casual cafe" BACKED UP w/ 7328 WHITE PLEXIGLAS - INTERNALLY ILLUMINATION w/ WHITE AGILIGHT SIGNRAYZ CORE 6500 WHITE LED'S 277v POWER SUPPLY

ALL ACCENTS TO BE .063" FLAT CUT-OUT **ALUMINUM PAINTED SW GENISIS TO** MATCH DUPONT CENTARI #4775 CREAM -ILLUM. w/ SINGLE TUBE 15mm EGL CASINO GOLD EXPOSED NEON - 30 M.A.

(2) S/F FAB. ALUM. SIGN CABINETS & 3" RETAINERS PAINTED FILLER SW GENISIS SATIN BLACK - COMMON BLACK FILLER BETWEEN - BLANK WHITE FLEXIBLE FACES -800mA H.O. FLUORESCENT ILLUM.

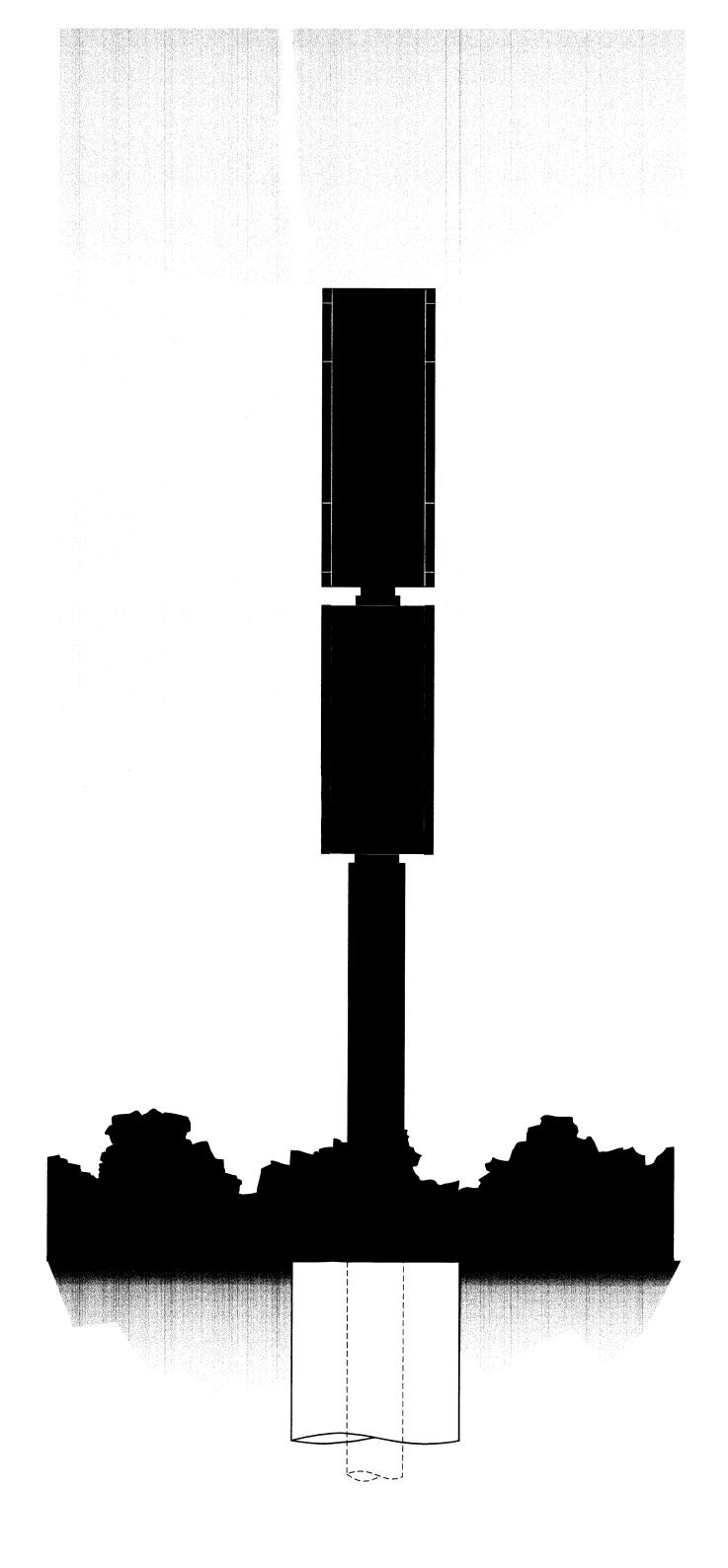
STEEL PIPE SIGN SUPPORT w/ STUB PIPE INTO CABINET - PRIMED & PAINTED SATIN BLACK

NOTE: SIZE OF PIPE TO BE DETERMINED BY ENGINEERING & LOCAL CODE & CONDITIONS

UNDERGROUND ELECTRICAL SERVICE TO SIGN BY CUSTOMER'S ELECTRICIAN COORDINATE w/ CHANDLER AS TO **REQUIREMENTS**

CONCRETE PIER TYPE FOUNDATION

NOTE: FOUNDATION TO BE DETERMINED BY ENGINEERING & LOCAL CODES & CONDITIONS



END VIEW

SHEET 8



Design # 12-2186R5

2 of 5

Client

Cheddar'S

Address 4865 PAN AMERICA WAY

ALBUQUERQUE, NM

Account Rep.

RAJ / DMcF

Designer MAB

9-21-12

Approval / Date

Revision / Date

r1-BR/10-16-12:Del "A" opt 1, add square footage to "B" & "C". r2-KMc/11-28-12:add notes R3-12/19/12(CJR): Changed elev.

R4 RFF 01.11.13 update R5|PC|15JAN2013 | ADD SITE PLAN, & PAGE NUMBERS

Chandler Signs

www.chandlersigns.com

3201 Manor Way Dallas, TX 75235 214-902-2000 Fax 214-902-2044

12106 Valliant Drive San Antonio, TX 78216 210-349-3804 Fax 210-349-8724

1335 Park Center Drive, Unit C Vista, CA 92081 760-967-7003 Fax 760-967-7033

2584 Sand Hill Point Circle Davenport, FL 33837 863-420-1100 Fax 863-424-1160

963 Baxter Avenue, Suite 200 Louisville, KY 40204 502-479-3075 Fax 502-412-0013

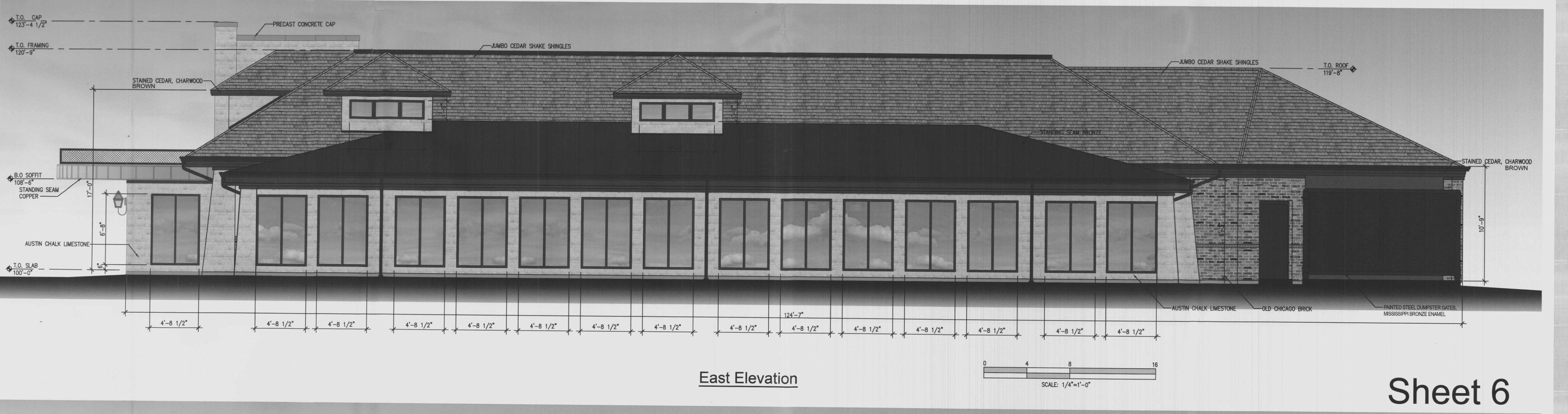
37 Waterfront Park Court Dawsonville, GA 30534 800-851-7062 Fax 210-349-8724

P.O. Box 125 206 Doral Drive Portland, TX 78374 361-563-5599 Fax 361-643-6533

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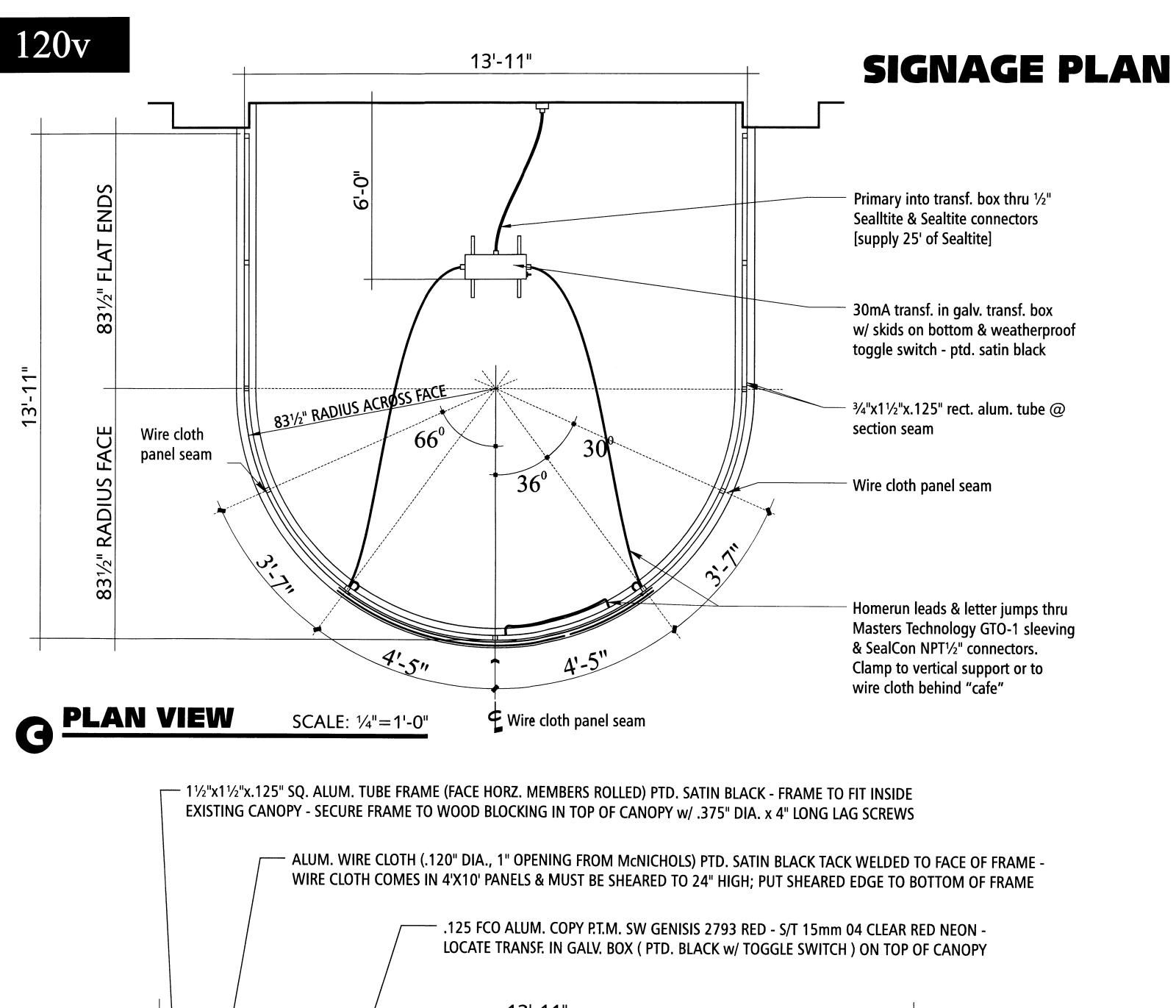


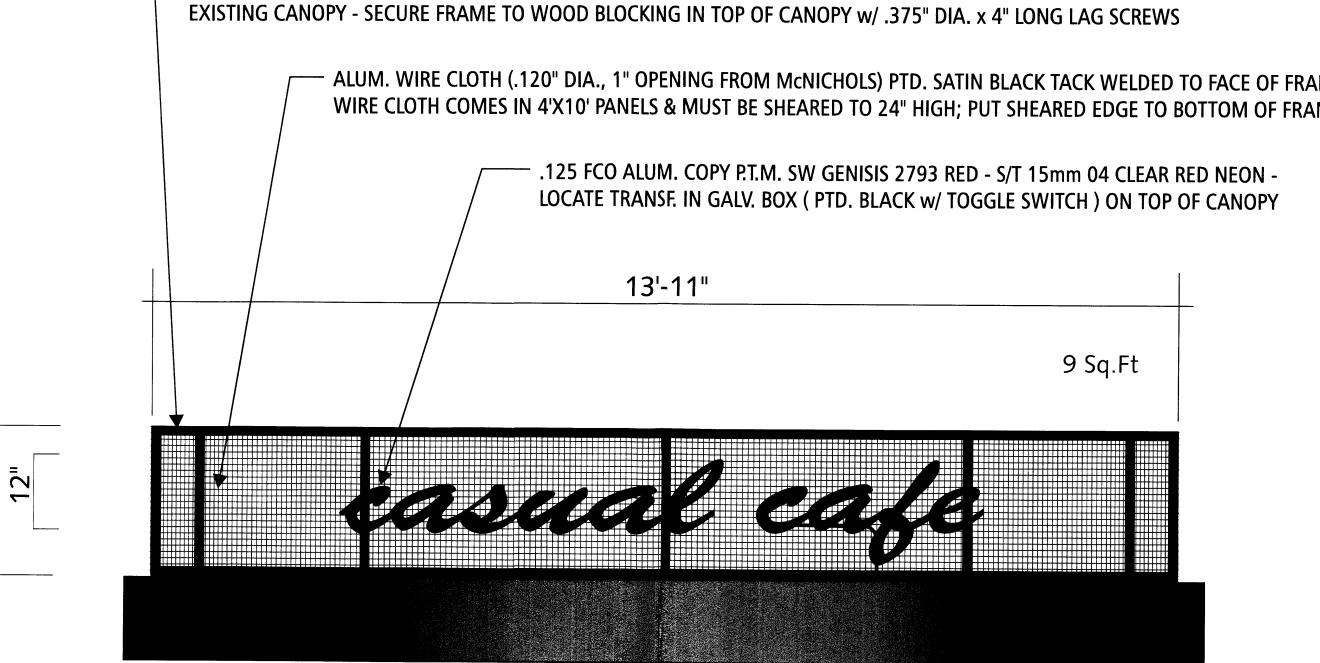
Cheddar's

Cheddar's Casual Cafe

Albuquerque, New Mexico

DAVID SCOTT WINDLE, AIA





FRONT VIEW (SKEWED VIEW) SCALE: 3/8"=1'-0" (1) REQUIRED - MFR. & INSTALL

1½"x1½"x.125" sq. alum. tube frame (horz. Homerun leads [12' long] thru face members rolled to 831/2" radius) Masters Technology GTO-1 Aluminum wire cloth (.120" dia. w/ 1" sleeving & SealCon NPT1/2" openings & intercrimp weave) connectors. Clamp to vertical support or to wire cloth behind 15mm clear red skeleton neon w/ double back electrodes mtd. on std. glass tube supports to face of F.C.O. letters -30mA transf. in galv. transf. electrodes terminate into Masters Technology - box w/ skids on bottom & weatherproof boots (details following page) weatherproof toggle switch ptd. satin black .125 FCO alum. copy w/ 10-24 studs-Primary into transf. box thru 1/2" popped welded on back secured w/ nuts Sealltite & Sealtite connectors & fender washers to wire cloth Secure frame to canopy blocking w/ .375" dia. x 4" long lag screws Existing radius canopy face w/ copperoverlay & continuous blocking as shown around perimeter

SECTION DETAIL

SCALE: 1½"=1'-0"

_____ .080 F.C.O. alum. copy painted SW Genesis to match 2793 red - s/t 15mm clear red neon NOTE: Fab. ltrs. in one piece & roll to match radius of canopy - independent neon units are to follow radius of canopy when installed. Stud mount flush to metal grid

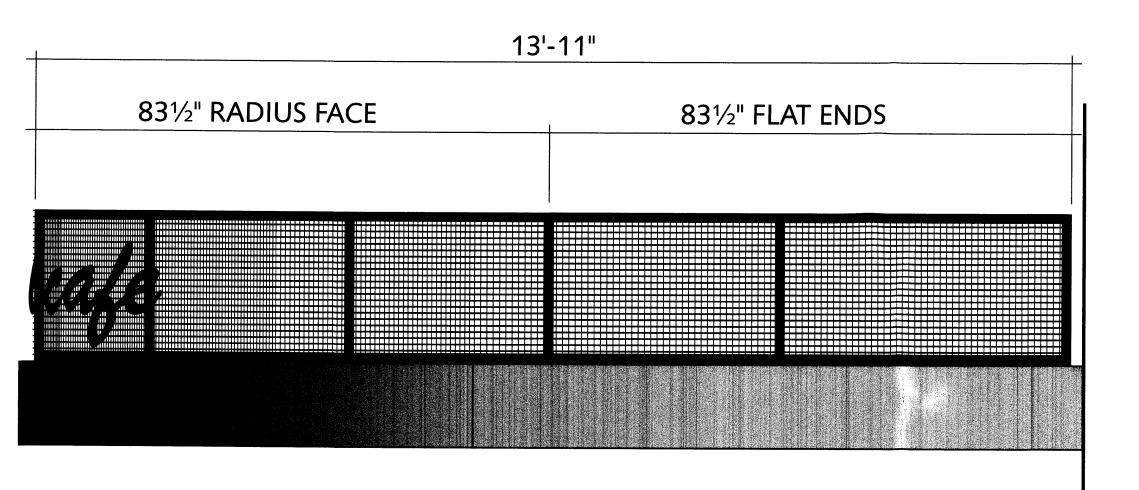
9 Sq.Ft

casual case

8'-11"

FCO LETTER LAYOUT (FLAT VIEW)

MFR. AND INSTALL (1) SET FCO LETTERS WITH S/T NEON ON RADIUS METAL GRID



SIDE VIEW

SCALE: 3/8"=1'-0"

120v

SHEET 10



Design #

12-2186R5 4 of 5

Client

Cheddar'S

Address

4865 PAN AMERICA WAY

ALBUQUERQUE, NM

Account Rep.

RAJ / DMcF Designer MAB

9-21-12

Approval / Date

Estimating Engineering Landlord

Revision / Date

r1-BR/10-16-12:Del "A" opt 1, add square footage to "B" & "C". r2-KMc/11-28-12:add notes R3-12/19/12(CJR): Changed elev.

R4 RFF 01.11.13 update R5|PC|15JAN2013 | ADD SITE PLAN, & PAGE NUMBERS

Chandler Signs

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963 Baxter Avenue, Suite 200 Louisville, KY 40204 502-479-3075 Fax 502-412-0013

37 Waterfront Park Court Dawsonville, GA 30534

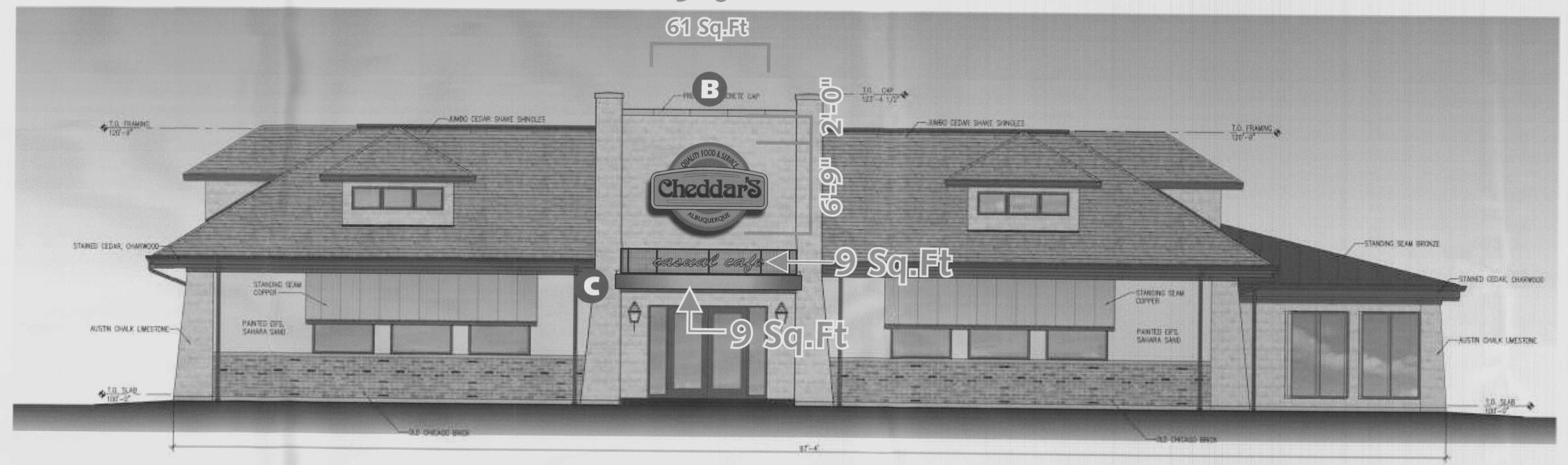
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SIGNAGE PLAN

9'-0"



FRONT ELEVATION

SCALE: 3/32"=1'-0"

NOTE: REFER TO PAGES 3 & 4 FOR DETAILS

SHEET 7



Design #
12-2186R5

1 of 5

Client

Cheddar'S

4865 PAN AMERICA WAY

ALBUQUERQUE, NM

Account Rep. RAJ / DMcF

Designer MAB
Date 9-21-12

Approval / Date

Revision / Date

r1-BR/10-16-12:Del "A" opt 1, add square footage to "B" & "C". r2-KMc/11-28-12:add notes R3-12/19/12(CJR): Changed elev. R4 RFF 01.11.13 update R5|PC|15JAN2013 | ADD SITE PLAN

& PAGE NUMBERS

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Davenport, FL 33837
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963 Baxter Avenue, Suite 200

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Dawsonville, GA 30534
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FINAL ELECTRICAL
CONNECTION
BY CUSTOMER



Removable channel filler panel secured to clip w/ ctsk. screws each

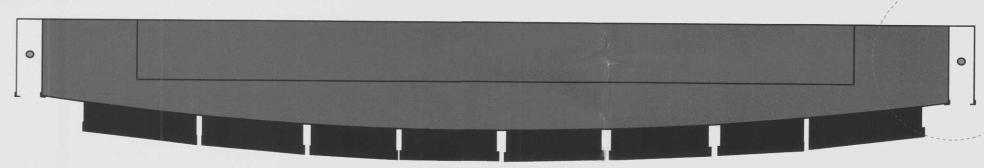
1½"x1½"x.080" - alum. fab. clip secured w/ V.H.B. tape to back of inset back

18"x6" access panels on ea. end of cabinet filler

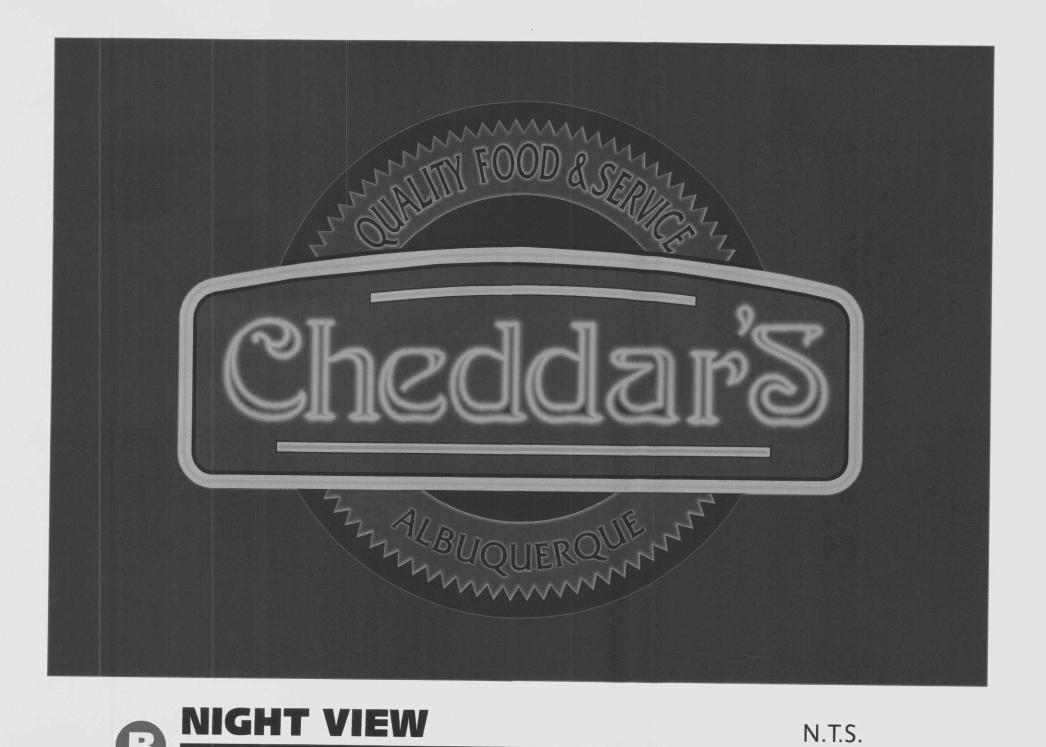
SECTION

S/F WALL SIGN ELEV. - MAIN I.D. SCALE: 1/2"=1'-0"

(1) REQUIRED - MANUFACTURE AND INSTALL



TOP VIEW SCALE: 1/2" = 1'-0"

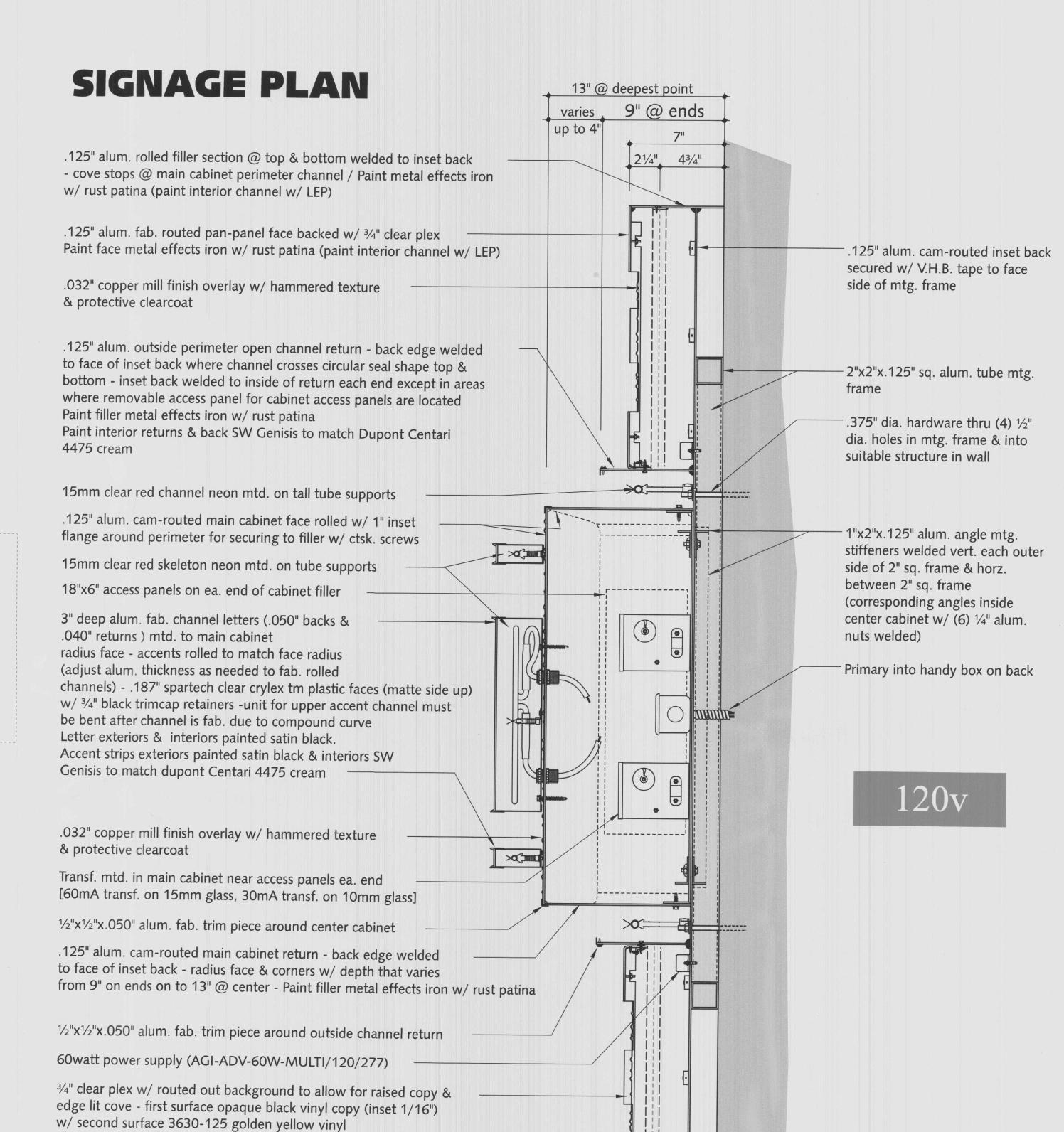


BECTION

White Agilite Tuffrayz L.E.D.

1/4" dia. weep holes in low point of bottom cove & all channel letters

N.T.S.



SHEET 9



Design # 12-2186R5

Sheet 3 of 5

Cheddar'S

Cheddar

Address

4865 PAN AMERICA WAY

ALBUQUERQUE, NM Account

Rep. RAJ / DMcF
Designer MAB

Date 9-21-12

Approval / Date

Client
Sales
Estimating
Art
Engineering

Revision / Date

r1-BR/10-16-12:Del "A" opt 1, add square footage to "B" & "C". r2-KMc/11-28-12:add notes R3-12/19/12(CJR): Changed elev.

R4 RFF 01.11.13 update
R5|PC|15JAN2013 | ADD SITE PLAN,
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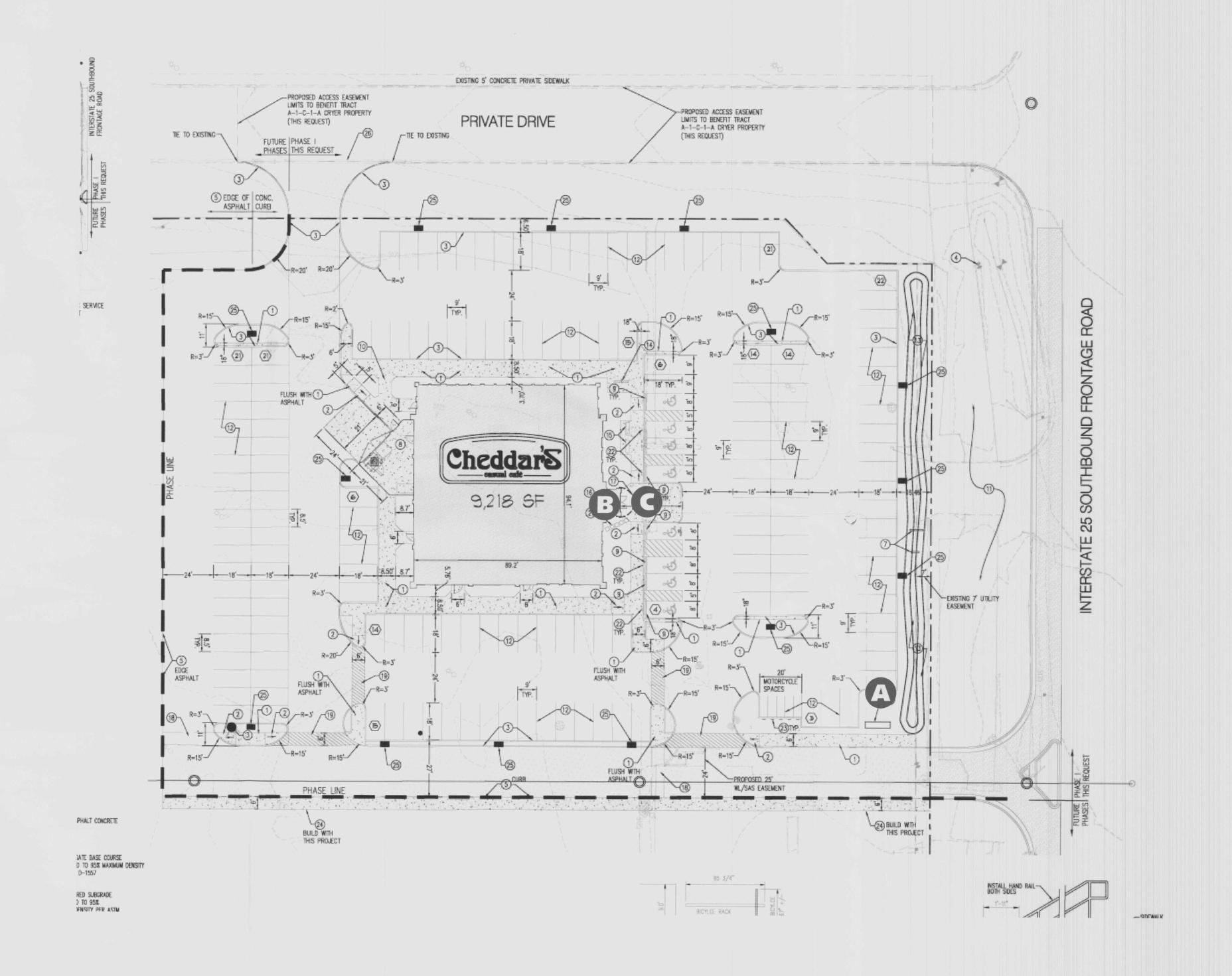
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FINAL ELECTRICAL CONNECTION BY CUSTOMER





SITE PLAN

APPROX. SCALE: 1/64=1'-0"

SHEET 11



Design #

12-2186R5

5 of 5

Cheddar'S

4865 PAN AMERICA WAY

ALBUQUERQUE, NM

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9-21-12

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R3-12/19/12(CJR): Changed elev.

R4 RFF 01.11.13 update

R5 PC 15JAN2013 ADD SITE PLAN,

& PAGE NUMBERS

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