

DRAWN BY

JW

DATE 10/31/12

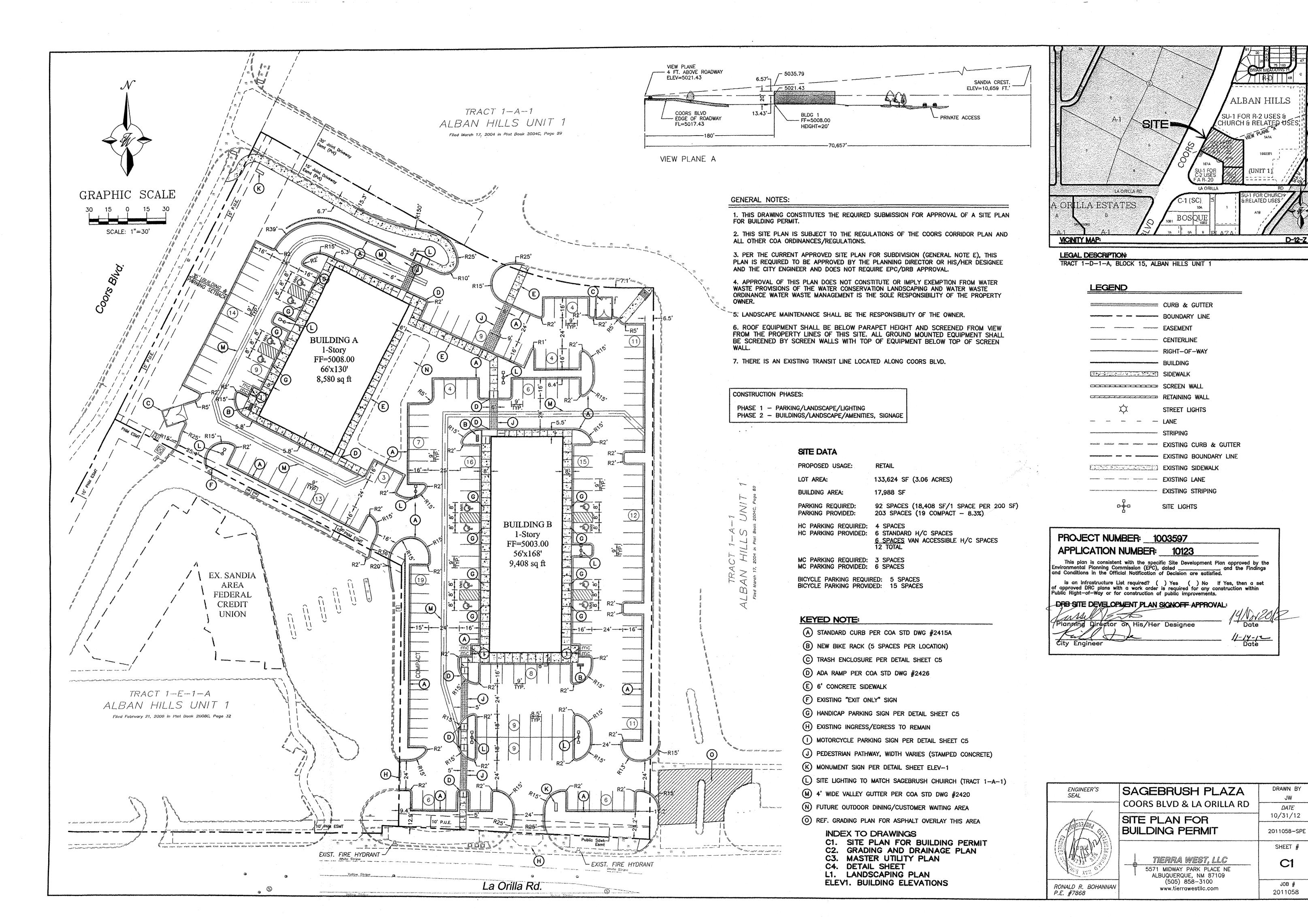
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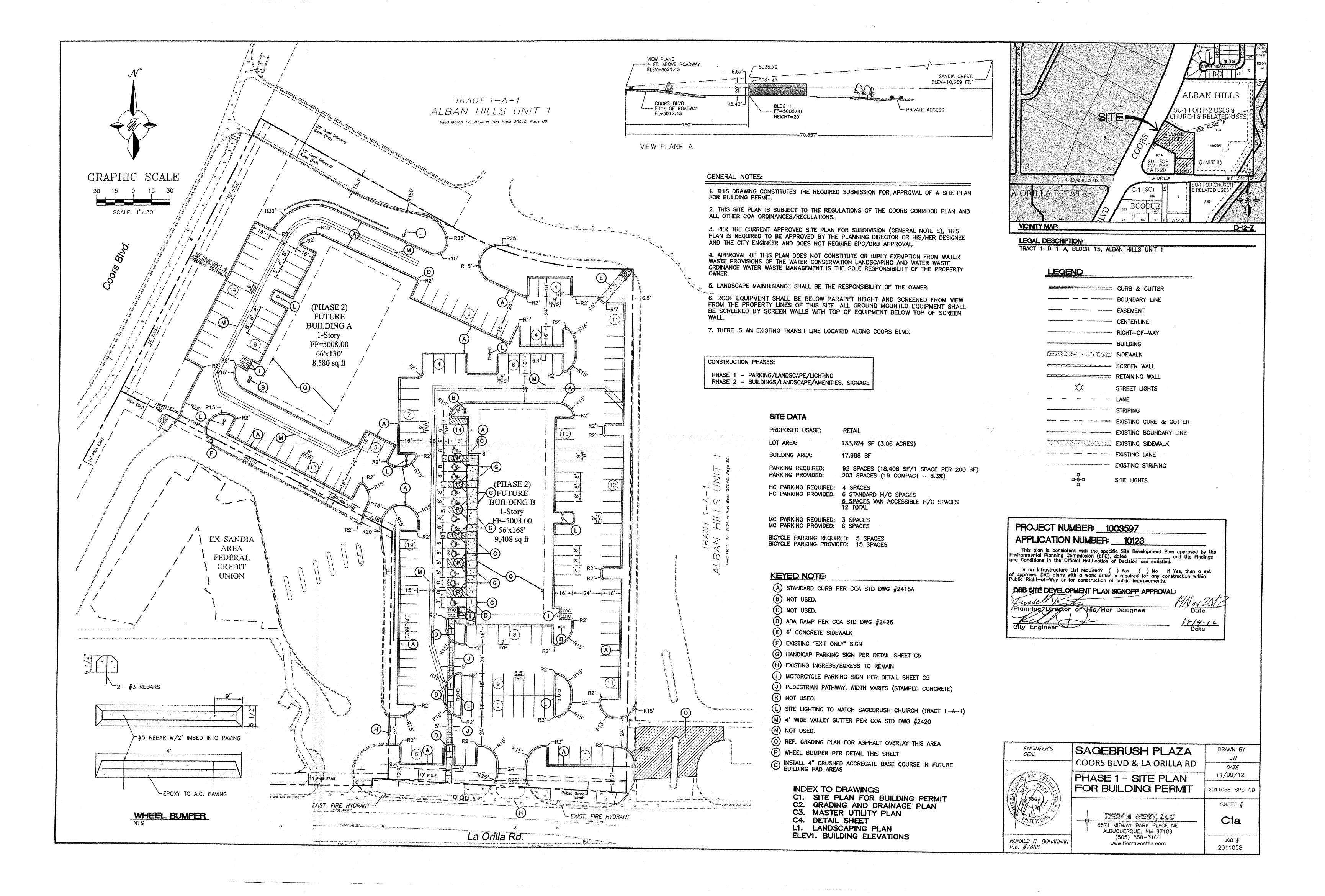
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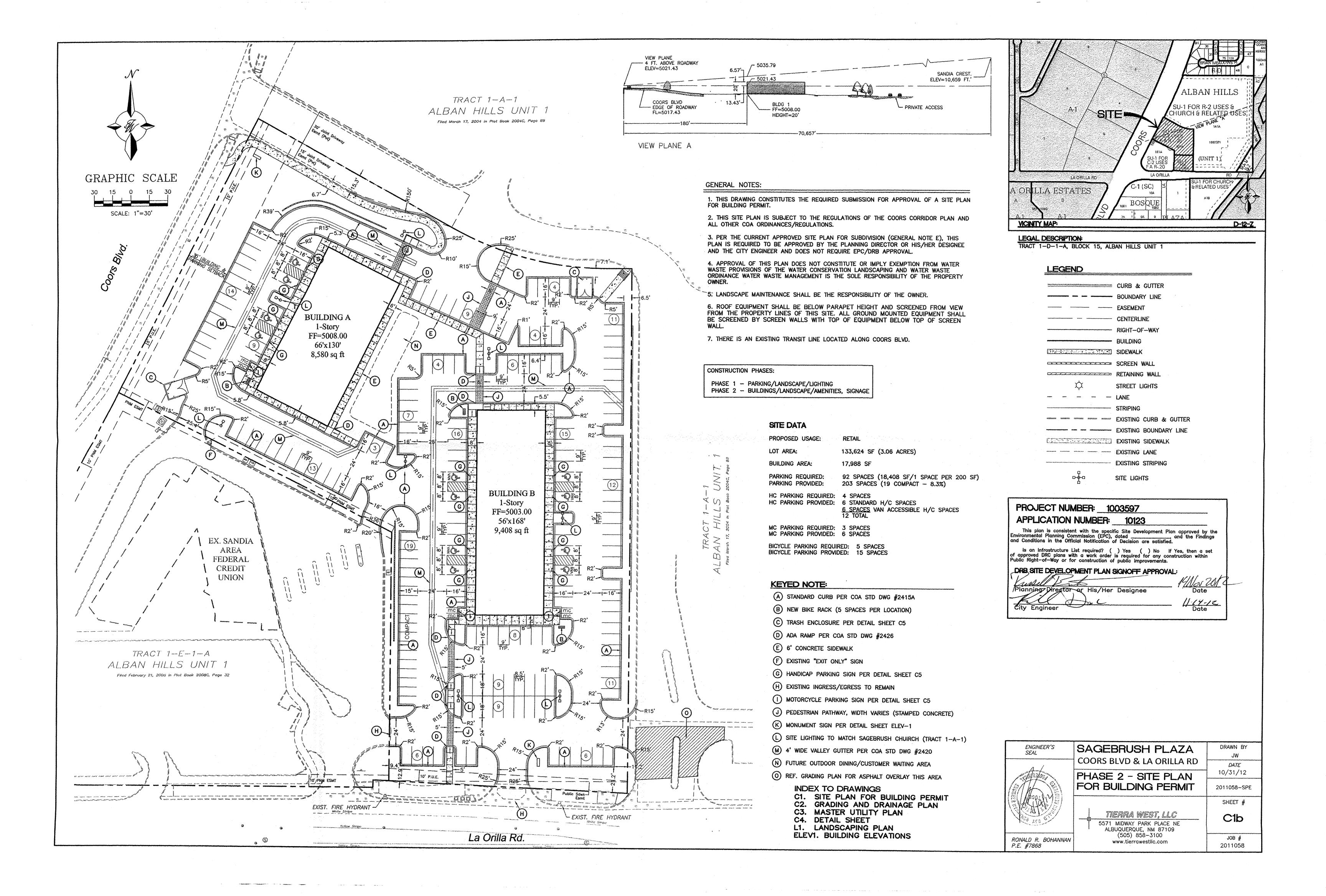
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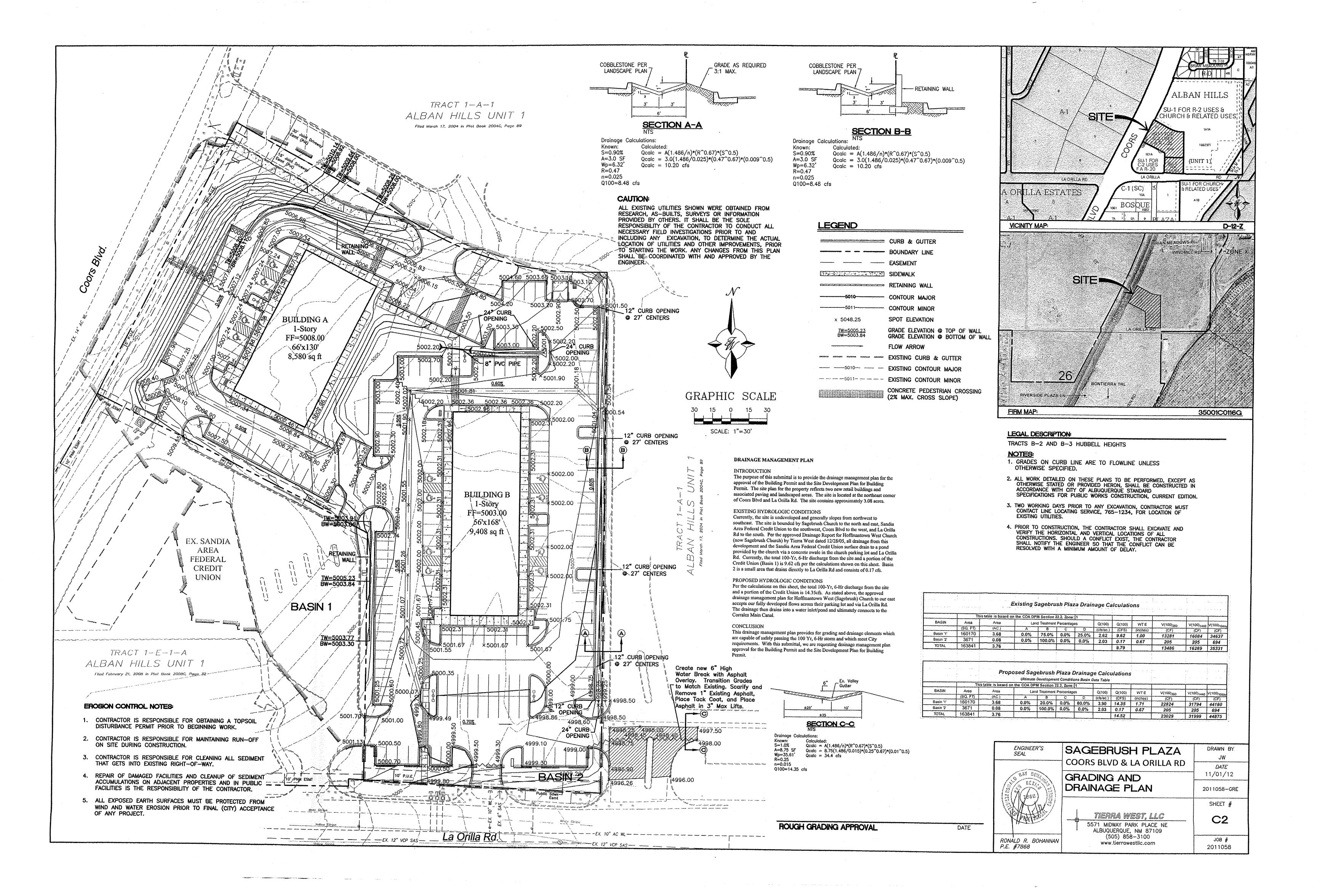
2011058

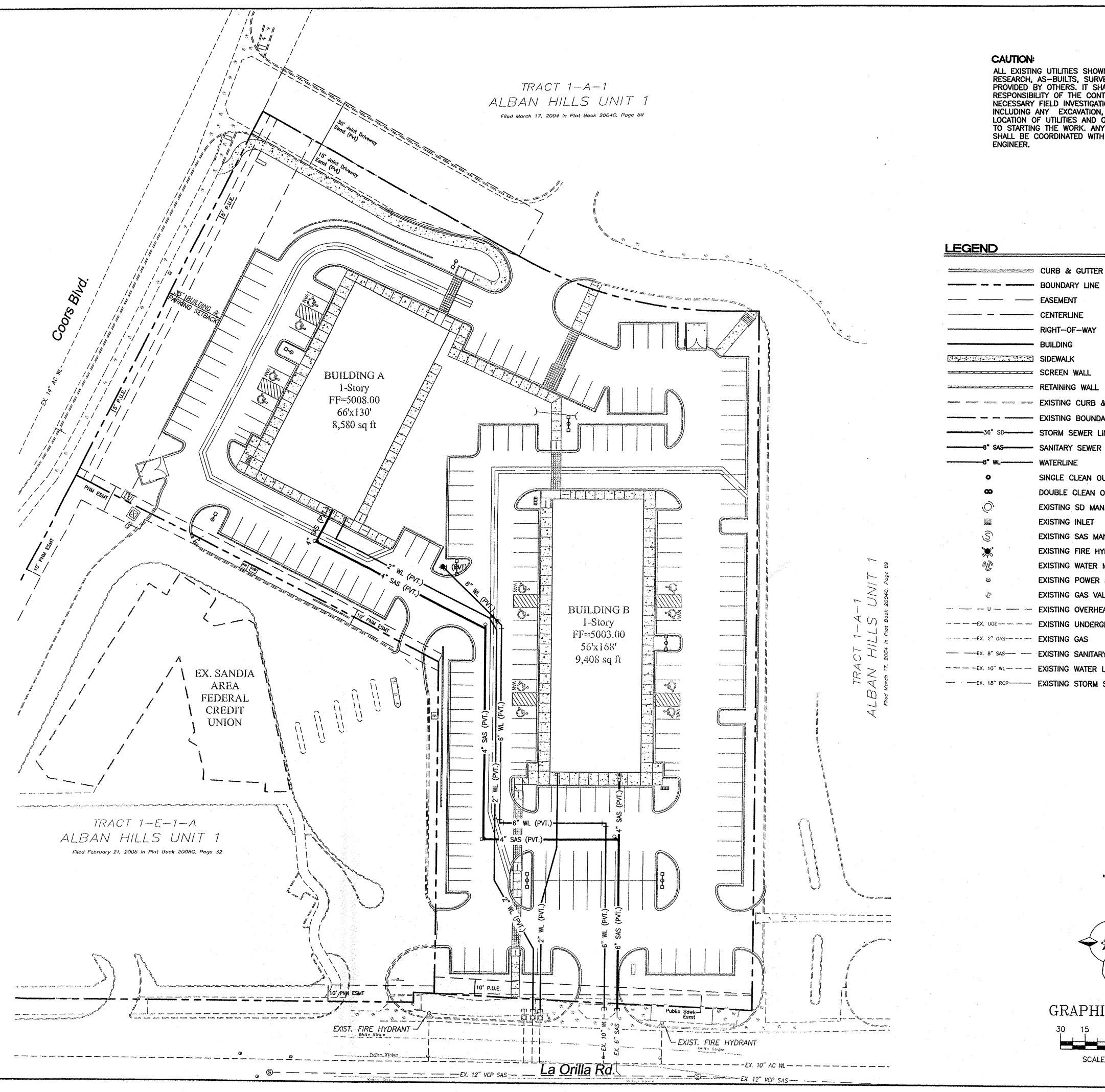
D-12-Z











CAUTION:

ALL EXISTING UTILITIES SHOWN WERE OBTAINED FROM RESEARCH, AS-BUILTS, SURVEYS OR INFORMATION PROVIDED BY OTHERS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO AND INCLUDING ANY EXCAVATION, TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS, PRIOR TO STARTING THE WORK, ANY CHANGES FROM THIS PLAN SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER.

--- BOUNDARY LINE --- EASEMENT

> ---- CENTERLINE RIGHT—OF—WAY

- BUILDING

SCREEN WALL

RETAINING WALL - EXISTING CURB & GUTTER

> - --- EXISTING BOUNDARY LINE SD---- STORM SEWER LINE

SAS SANITARY SEWER LINE -8" WL----- WATERLINE

> SINGLE CLEAN OUT DOUBLE CLEAN OUT

EXISTING SD MANHOLE EXISTING INLET **EXISTING SAS MANHOLE**

EXISTING FIRE HYDRANT EXISTING WATER METER

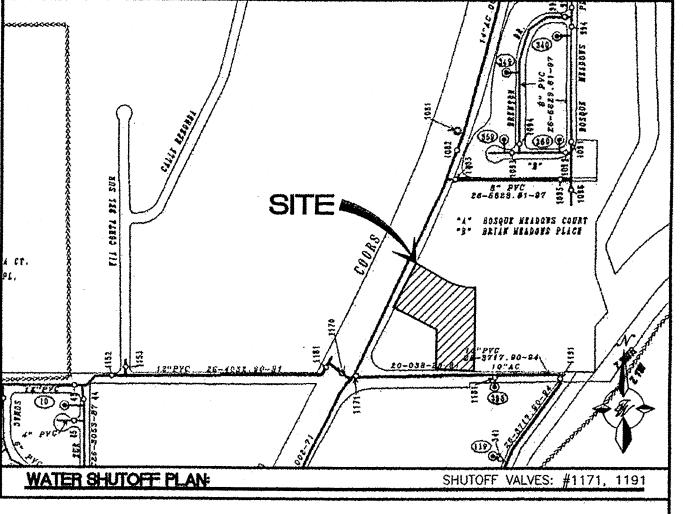
EXISTING POWER POLE EXISTING GAS VALVE

-- -- EXISTING OVERHEAD UTILITIES ----EX. UGE---- EXISTING UNDERGROUND UTILITIES

---EX. 2" GAS---- EXISTING GAS

----EX. 10" WL--- EXISTING WATER LINE

--- EX. 18" RCP---- EXISTING STORM SEWER LINE



NOTES:

1. ONLY ABCWUA WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE

2. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT HTTP://ABCWUA.ORG/CONTENT/VIEW/463/729/.

3. APPROXIMATE SHUT OFF TIME WILL BE 24 HOURS.

4. SHUTOFF THE VALVES INDICATED IN THE ABOVE PLAN.

GENERAL NOTES:

- 1. 4' MINIMUM BURY REQUIRED FOR ALL UTILITIES UNLESS
- 2. REFERENCE ARCHITECTURAL PLANS FOR WATER LINE RISER LOCATION.
- 3. ALL STUBS AND UTILITY LOCATIONS MUST BE FIELD
- VERIFIED PRIOR TO CONSTRUCTION. 4. CLEAN OUTS TO BE BUILT PER UNIFORM PLUMBING CODE STANDARDS.
- 5. CLEAN OUTS & MANHOLE TIE POINTS ARE TAKEN USING THE NW PROPERTY CORNER X=10,000, Y=10,000 SEE TABLE 2.
- 6. SEE ARCHITECTURAL PLANS FOR LIGHTING CONDUITS AND TELEPHONE LINES.
- 7. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.

NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.

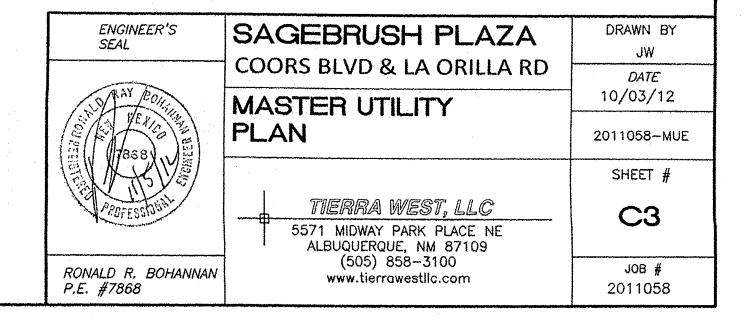
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.

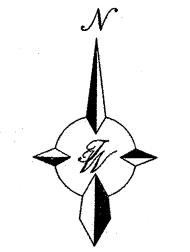
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260-1990 (OR DIAL 811 LOCALLY), FOR LOCATION OF EXISTING UTILITIES.

4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.

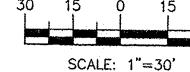
5. BACK FILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE. 6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY SERVED.

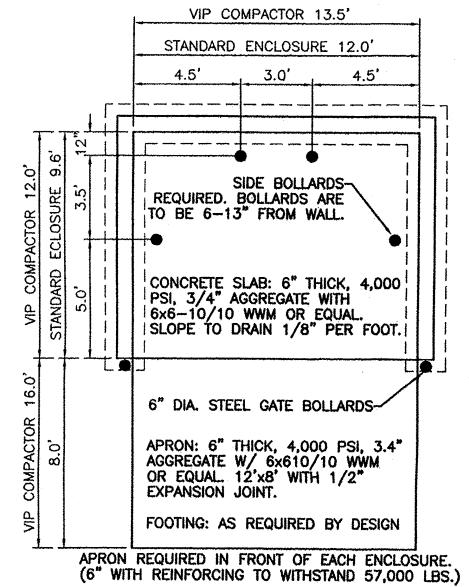
7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

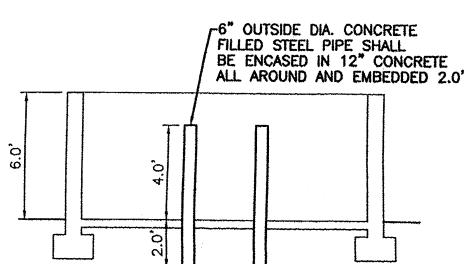




GRAPHIC SCALE

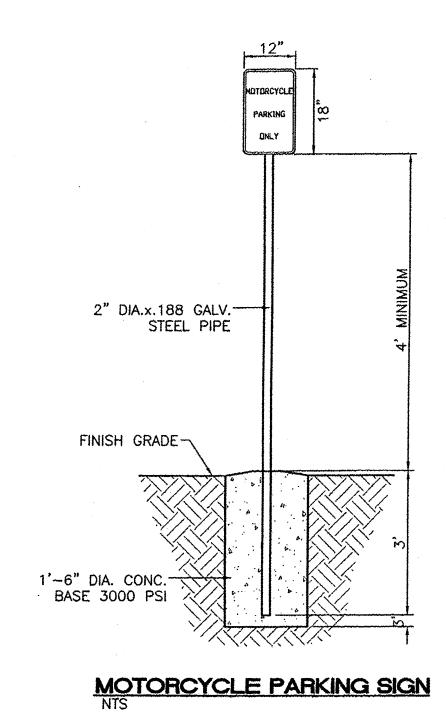


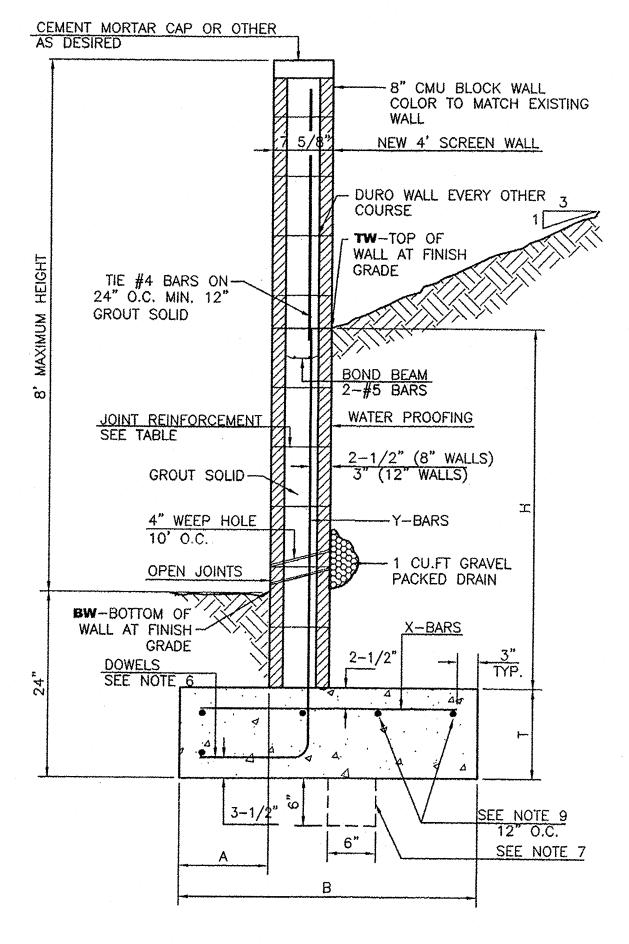




NOTE: THESE ARE THE MINIMUM REQUIREMENTS FOR TRASH ENCLOSURES. DESIGNS MAY VARY TO FIT THE SELECTED ENCLOSURE.

DUMPSTER ENCLOSURE DETAIL





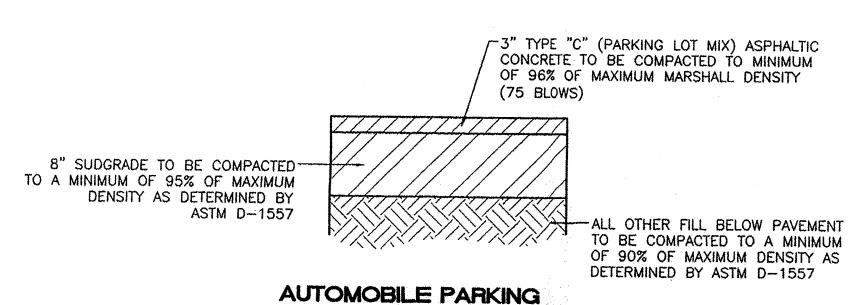
8 INCH	REIN	FORCED	CONC	RETE MASONRY	WALL
H	Α	В	Τ	Y-BARS	X-BARS
ftin.	in.	ft.—in.	in.		
2'-0" 2'-8" 3'-4" 4'-0" 4'-8" 5'-4" 6'-0"	8" 8" 8" 10" 12" 14"	2'-0" 2'-0" 2'-4" 2'-8" 3'-4" 3'-10" 4'-8"	9" 9" 9" 9" 10" 12"	#4 @32" O.C. #4 @32" O.C. #4 @32" O.C. #4 @32" O.C. #5 @32" O.C. #6 @16" O.C. #6 @ 8" O.C.	#4 @24" O.C. #4 @24" O.C. #4 @24" O.C. #4 @18" O.C. #4 @18" O.C. #4 @12" O.C.

12 INCH REINFORCED CONCRETE MASONRY WALL						
Н	Α	В	T	Y-BARS	X-BARS	
ft.—in.	in.	ft.—in.	in.			
5'-4" 6'-0" 6'-8" 7'-4" 8'-0" 8'-8"	14" 15" 16" 18" 20" 20"	3'-8" 4'-2" 4'-6" 4'-10" 5'-4" 5'-8"	10" 12" 12" 12" 12" 12"	#6 @18" O.C. #4 @16" O.C. #6 @24" O.C. #6 @16" O.C. #7 @18" O.C. #7 @16" O.C.	#4 @24" O.C. #4 @18" O.C. #5 @18" O.C. #5 @18" O.C. #6 @12" O.C. #6 @12" O.C.	

GENERAL NOTES:

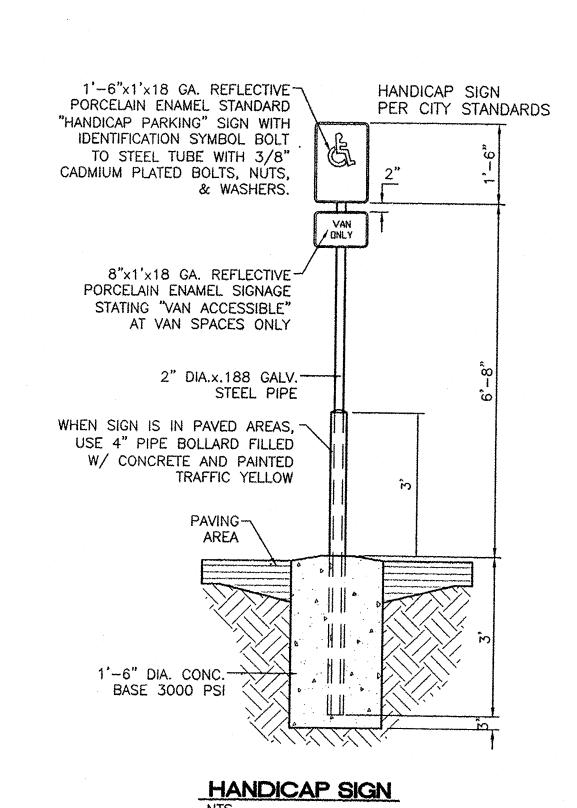
- ALL CONCRETE IS TO BE 4000 PSI @ 28 DAYS.
 MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM. D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE ± 2.0%.
- 3. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
- 4. ALL BARS ARE TO BE GRADE 60, ASTM 615. 5. TRUSS TYPE DUR-O-WALL EVERY OTHER COURSE. DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO V-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA. INTO THE FILLED BLOCK CORES, AND SHALL EXTEND TO THE TOE OF THE FOOTING.
- PROVIDE KEY FOR 8" AND 12" WALLS WHERE H EXCEEDS 6'-0"
 USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 16'.
- 9. BOND BEAM, 1-#4 BARS FOR WALLS UNDER 3'-4", 2-#4 BARS FOR WALLS UNDER 5'-4", 2-#5 BARS FOR WALLS OVER 5'-4".

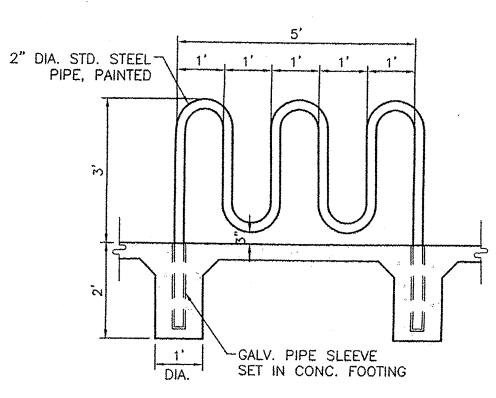
RETAINING WALL DETAIL



TYPICAL PAVING SECTION

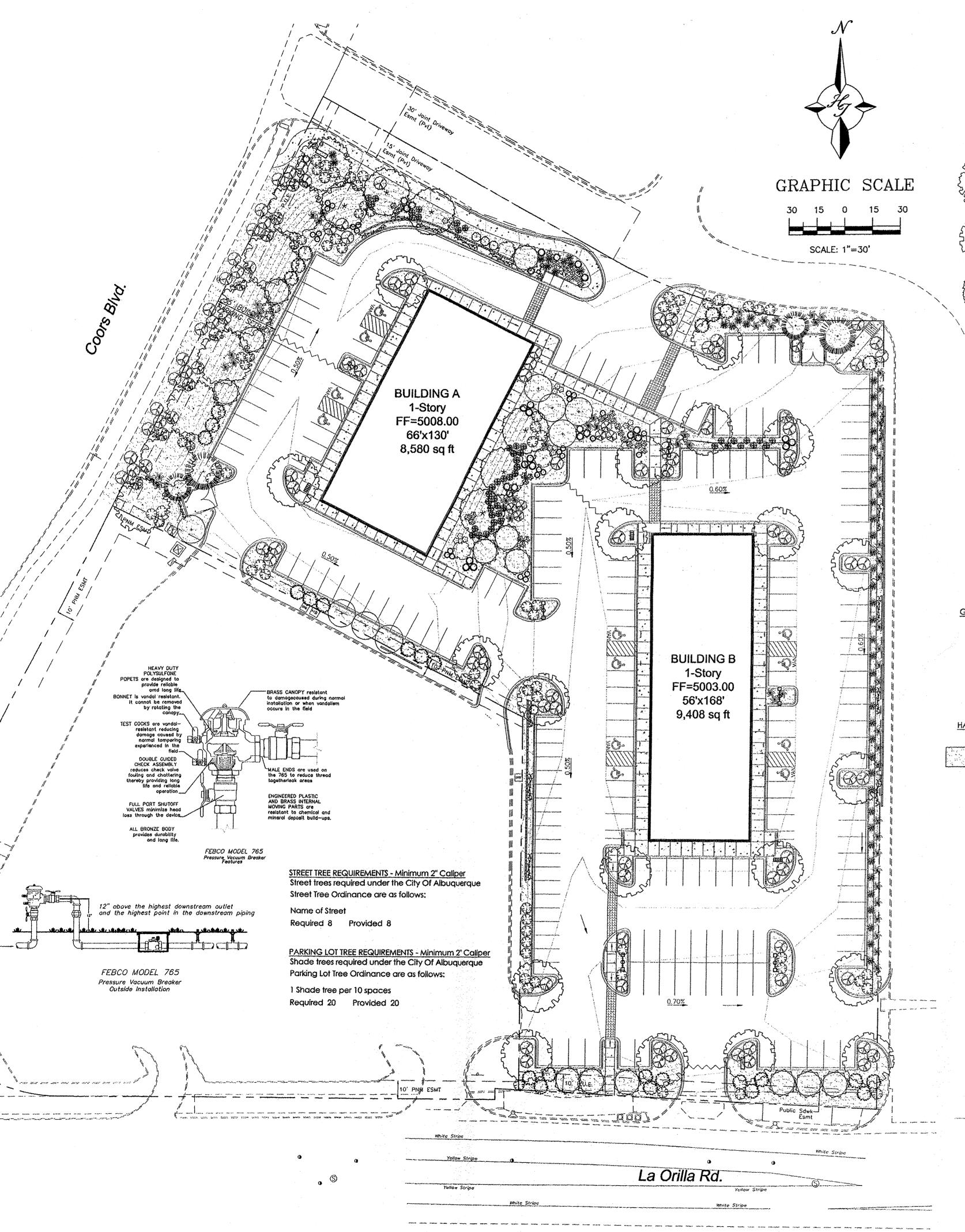
DESIGNATED BY EARTHWORKS ENGINEERING GROUP, LLC





BIKE RACK DETAIL SCALE: 1/2"=1'

ENGINEER'S SEAL	SAGEBRUSH PLAZA COORS BLVD & LA ORILLA RD	DRAWN BY JW
	COOKS BEVD & LA OKILLA KD	<i>DATE</i> 10/08/12
DRAY BOHINANA	DETAILS	2011058-DET
Tasay E	1	SHEET #
POOFESSION	TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109	C4
RONALD R. BOHANNAN P.E. #7868	(505) 858-3100 www.tierrawestllc.com	J08 # 2011058



PLANT LEGEND

All plants shall be sized per American Standard for Nursery Stock. Installation size shall indicate the greater of height or spread. In cases where Type O plants have been pruned for rejuvenation, measurement should be by spread of roots rather than by the height of the plant.

SHADE TREES SHRUBS/ORNAMENTAL GRASSES AUTUMN PURPLE ASH 8 Fraxinus americana 2" Cal., 12-14' Inst./60' x 60' maturity Water (M) Allergy (H) Osf * PHOTINIA 28 CHITALPA 20 Chilopsis x Catalpa * INDIAN HAWTHORN 6 2" Cal., 12'-14' Inst./ 30' x 30' maturity Raphiolepis indica Water (M) Allergy (L) Osf

> EASTERN REDBUD 6 Cercis canadensis * NANDINA 4 2" Cal., 8'-10' Inst./30' x 30' maturity Water (M) Allergy (L) Osf

* AUSTRIAN PINE 4 Pinus nigra 6'-8' Inst., 35' x 25' maturity Water (M) Allergy (L) Osf

SHRUBS/ORNAMENTAL TREES DESERT WILLOW 13

Chilopsis linearis 15 Gal., 4'-10' Inst./20' x 25' maturity Water (L+) Allergy (L) 225sf

NEW MEXICO OLIVE 8 15 Gal., 4'-10' Inst./15' x 15' maturity Water (M) Allergy (L) 225sf

DESERT ACCENTS

OCOTILLO 1 Fouquieria splendens 4'-6' Inst./15' x 10' maturity Water (L) Allergy (L) Osf

* AGAVE 4

Agave spp. 14"-18" Inst./4' x 4' maturity Water (L+) Allergy (L) 16s

* RED YUCCA 50 Hesperaloe parviflora 5 Gal., 18"-3' Inst./3' x 4' maturity Water (L+) Allergy (L) 16sf

GROUNDCOVERS

* HONEYSUCKLE 109 Lonicera japonica 'Halliana' 1 Gal., 6"-15" Inst./3' x 12' maturity Water (M) Allergy (L) 144sf Unstaked-Groundcover

* GREYLEAF COTONEASTER 77 Cotoneaster glaucophyllus 5 Gal., 24"-4' Inst./2' x 9' maturity Water (M) Allergy (L) 81sf

TO A MINIMUM 3" DEPTH

HARDSCAPES

SANTA FE BROWN GRAVEL MULCH WITH FILTER FABRIC

Buddleia davidii 5 Gal., 12"-3' Inst./10' x 10' maturity Water (M) Allergy (L) 100sf

Photinia fraseri 5 Gal., 2'-4' Inst./8' x 8' maturity Water (M+) Allergy (L) 64sf

5 Gal., 18"-3' Inst./6' x 6' maturity Water (M) Allergy (L) 36sf

Nandina domestica 5 Gal., 2'-4' Inst./8' x 5' maturity Water (M+) Allergy (L) 25sf

MAIDENGRASS 61 Miscanthus sinensis 5 Gal., 18"-3' Inst./5' x 5' maturity Water (M+) Allergy (L) 25sf

* SCOTCH BROOM 12 Cytisus scoparius 5 Gal., 18"-3' Inst./4' x 4' maturity Water (M) Allergy (L) 16sf

POTENTILLA 15 Potentilla fruticosa 1 Gal., 3"-15" Inst./3' x 3' maturity Water (M+) Allergy (L) 9sf

* MUGO PINE 18 Pinus mugo 5 Gal., 12"-3' Inst,/3' x 3' maturity Water (M) Allergy (L) 9sf

REGAL MIST 46 Muhlenbergia capillaris 5 Gal., 12"-3' Inst./3' x 3' maturity Water (M) Allergy (L) 9sf

THREADGRASS 27 Stipa tennuisima 1 Gal., 3"-15" Inst./2' x 2' maturity Water (L+) Allergy (L) 4sf

CATMINT 28 Nepeta mussini 1 Gal., 3"-15" Inst./1' x 2' maturity Water (M) Allergy (L) 4sf

Tree Trunk

Root Ball

Cont. Lic. #26458 7909 Edith N.E

Albuquerque, NM 87184 Ph. (505) 898-9690

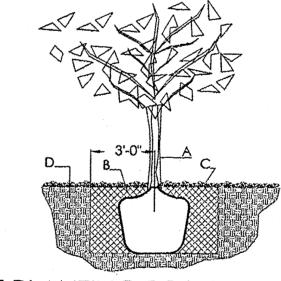
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Fax (505) 898-7737 cm j@hilltoplandscaping.com

Emitter-12" o.c.

* BANK'S ROSE 14 Rosa banksiae 1 Gal., 6"-15" Inst./climbing to 20' Water (M) Allergy (L)

* DENOTES EVERGREEN PLANT MATERIAL



LANDSCAPE NOTES:

IRRIGATION NOTES:

TOTAL LOT AREA

NET LOT AREA

TOTAL BUILDINGS AREA

LANDSCAPE REQUIREMENT

TOTAL BED PROVIDED

TOTAL PONDING AREA

TOTAL NATIVE SEED AREA

TOTAL LANDSCAPE PROVIDED

TOTAL SOD AREA

GROUNDCOVER REQ.

TOTAL LANDSCAPE REQUIREMENT

TOTAL GROUNDCOVER REQUIREMENT

(max. 20% of landscape required)

TOTAL GROUNDCOVER PROVIDED

street trees in a living, healthy, and attractive condition.

principles will be followed in design and installation.

Imgation will be operated by automatic controller.

are not designated to receive native seed.

Plant beds shall achieve 75% live ground cover at maturity.

flush caps at each end. Trees and shrubs shall be on separate valves.

Irrigation maintenance shall be the responsibility of the Property Owner.

LANDSCAPE CALCULATIONS

Water and Power source shall be the responsibility of the Developer/Builder.

hours, 3 times per week. Run time will be adjusted according to the season.

Landscape maintenance shall be the responsibility of the Property Owner. The Property Owner shall maintain

It is the intent of this plan to comply with the City Of Albuquerque Water Conservation Landscaping and Water Waste Ordinance planting restriction approach. Approval of this plan does not constitute or imply exemption from water waste provisions of the Water Conservation Landscaping and Water Waste Ordinance.

Water management is the sole responsibility of the Property Owner. All landscaping will be in conformance

with the City of Albuquerque Zoning Code, Street Tree Ordinance, Pollen Ordinance, and Water Conservation

Landscaping and Water Waste Ordinance. In general, water conservative, environmentally sound landscape

Brown Gravel Mulch over Filter Fabric to a minimum depth of 3" shall be placed in all landscape areas which

Imigation shall be a complete underground system with Trees to receive 1 Netafim spiral (50' length) with 3 loops at a final radius of 4.5' from tree trunk, pinned in place. Netafim shall have emitters 12" o.c. with a flow of .6 gph. Shrubs to receive (2) 1.0 GPH Drip Emitters. Drip and Bubbler systems to be tied to 1/2" polypipe with

Run time per each shrub drip valve will be approximately 15 minutes per day. Tree drip valve shall run 1.5

Point of connection for irrigation system is unknown at current time and will be coordinated in the field.

Location of controller to be field determined and power source for controller to be provided by others.

133624

18408

115216

17282

75%

24589

15%

TREE PLANTING DETAIL

GENERAL NOTES:

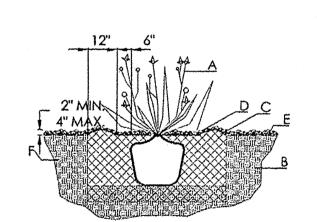
1. ROOTBALL SHALL BE PLACED ON UNDISTURBED SOIL TO PREVENT TREE FROM SETTLING.

2. TOP OF ROOTCOLLAR INDICATED LEVEL AT WHICH TREE WAS GROWN AND DUG; THIS REPRESENTS THE LEVEL AT WHICH THE TREE SHOULD BE INSTALLED; THAT LEVEL MAY BE EXCEEDED BY ONLY A ONE INCH LAYER OF SOIL. 3. PRIOR TO BACKFILLLING TREE, ALL WIRE, ROPE AND SYNTHETIC

MATERIALS SHALL BE REMOVED FROM THE TREE AND THE PLANTING 4. PRIOR TO BACKFILLING ALL BURLAP SHALL BE CUT AWAY EXCEPT FROM BOTTOM OF THE ROOTBALL.

CONSTRUCTION NOTES:

A. TREE B. BACKFILL WITH EXISTING SOIL. C. 3" DEPTH OF GRAVEL MULCH. D. UNDISTRUBED SOIL,



square feet

31014 (94%) square feet

SHRUB PLANTING DETAIL

GENERAL NOTES:

1. THE OUTSIDE DIAMETER OF THE WATER RETENTION BASIN SHALL BE TWICE THE DIAMETER OF THE SHRUB PLANTING PIT.

CONSTRUCTION NOTES:

A. SHRUB.

B. BACKFILL WITH EXISTING SOIL. C. EARTH BERM AROUND WATER RETENTION BASIN.

D. 3" DEPTH OF GRAVEL MULCH.

E. FINISH GRADE. F. UNDISTURBED SOIL.



SAGEBRUSH CHURCH	DRAWN BY CMJ
	DATE 8–28–12 REV: 2/11–1–12
LANDSCAPE PLAN	
	SHEET #
TIERRA WEST, LLC 5571 MIDWAY PARK PLACE NE ALBUQUERQUE, NM 87109	L1
(505) 858-3100 www.tierrawestllc.com	JOB #

Netafim Spiral Detail