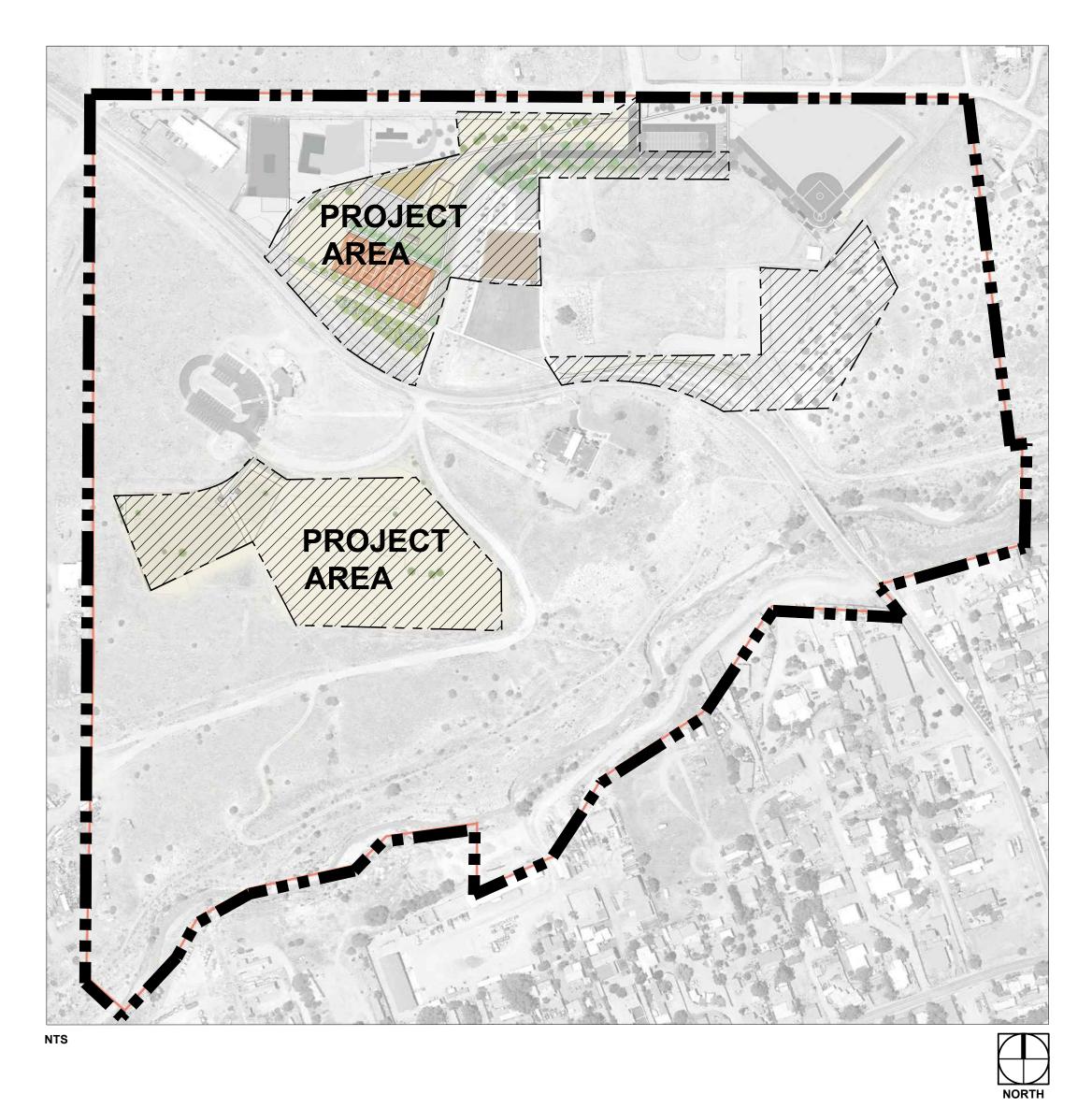
# ROMERO PARK - SITE IMPROVEMENTS

# AGUA FRIA VILLAGE, NEW MEXICO 100% CONSTRUCTION DOCUMENTS

**December 20, 2019** 



Santa Fe County 102 Grant Avenue Santa Fe, New Mexico 87501-2061

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design office

owner

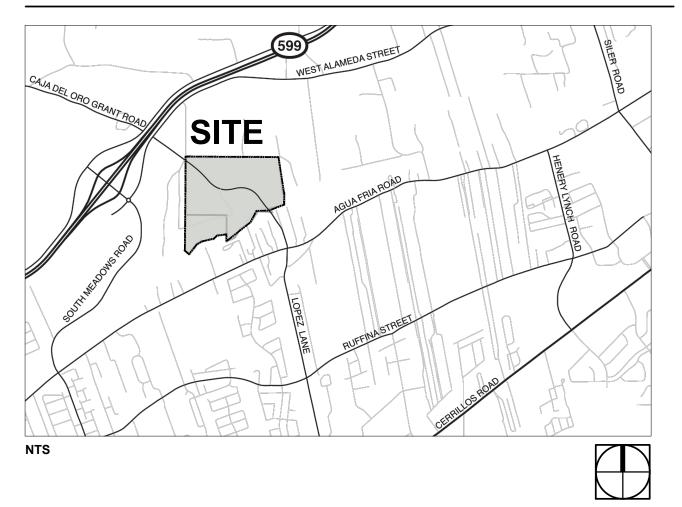
**Santa Fe County** contact: Ron Sandoval Project Manager III tel: 505.992.9863 e: rsandoval@santafecountynm.gov

owner representative

#### project location

2100 Caja Del Oro Grant Road Santa Fe, New Mexico 87507

### location map





### project description

Romero Park is located on a 68-acre area of public land along the Santa Fe River off Caja Del Oro Grant Road in Santa Fe County within the traditional Village of Agua Fria. Formerly known as Agua Fria Park, Romero Park is an existing community park with amenities including a large picnic shelter (80 capacity), restroom / concessions building, multi-purpose lawn, toddler playground, older kid playground, walking paths, baseball field, and a dog park. The park also houses community facilities such as La Familia Medical Center, the Nancy Rodriguez Community Center, and the Agua Fria Fire

The work designated as Romero Park - Site Improvements consists of providing a new court sports area, adding parking, and providing building code upgrades. The work includes but is not limited to the complete construction of: tennis courts, pickleball courts, basketball courts, a game area, a small picnic shelter (36-40 capacity) adjacent to a native grass lawn, a playground expansion, parking area expansion, dog park relocation, and additional connected walking paths. Improvements include additional planting, irrigation, lighting, fencing / access control, and signage to build upon existing facilities, make the park more user-friendly, and address maintenance concerns. The work also includes the rehabilitation / reseeding of the previously mitigated site of the old Agua Fria Village waste dump to native prairie.

### deductive alternate 1 - concessions

Deductive Alternate 1 consists of renovation work in the existing concessions room. Work includes selective demolition of existing countertop and concrete pad. New work includes the supply and installation of new plumbing + heating equipment / infrastructure, plumbing fixtures, electrical upgrades, lighting, and painting. See sheets A1-01, A1-02, E1-02, MP0-02, MP1-01 and associated details for further reference.

#### deductive alternate 2 - basketball court

Deductive Alternate 2 consists of the east basketball court (57' x 94'). Work includes the supply, construction, and installation of a new concrete post-tensioned slab (integral color), subgrade preparation and earthwork, two salvaged posts, and court striping. See sheets L2-02, L2-05, and S1.3 along with associated details. This deduction assumes the contract includes reseeding this court area (ca 5,400 sf) and installing

#### deductive alternate 3 - tennis court

Deductive Alternate 3 consists of the west tennis court (60' x 120'). Work includes the supply, construction, and installation of a new concrete post-tensioned slab court, court surfacing, post and net, and striping; perimeter fencing and gates set in concrete curb; and associated subgrade preparation and earthwork. See sheets L2-01, L2-05, and S1.2, along with associated details. This deduction assumes the contract includes reseeding the court area (ca 7,500 sf) and installing salvaged timber edging (62 lf).

### deductive alternate 4 - building upgrades

Deductive Alternate 4 consists of all building upgrades except those listed in Deductive Alternate 1 (concessions), mechanical room improvements associated with site electric improvements, and complete solar panel system installation. Architectural work consists of renovating the women's restrooms and reconfiguring/renovating the men's restroom to add a separate family restroom. Work includes upgrades to MEP systems, interior / exterior lighting, finish work, etc. as outlined in sheets A1-01, A1-02, E1-01, E1-02, MP0-02, and MP1-01. This deduction assumes no improvements in the above areas.

### deductive alternate 5 - volleyball court

Deductive Alternate 5 consists of the sand volleyball court area with perimeter seat wall north of the small picnic shelter. Work includes the supply, construction, and installation of the sand volleyball area; perimeter concrete (integral color) curb and seat walls; volleyball posts and net; and associated earthwork and subgrade preparation. See sheet L2-01, L2-05, and associated details. This deduction assumes the contract includes reseeding this area (ca. 7,300 sf) and installing salvaged timber edging (50 lf).

#### deductive alternate 6 - small picnic shelter

Deductive Alternate 6 consists of a steel frame picnic shelter (22' x 37') over a concrete surface with picnic tables (4). Work includes the supply, manufacture, and installation of a steel frame structure and roof; concrete paving, and picnic tables. See sheets L2-01 and A2-01 along with associated details. This deduction assumes the contract includes surfacing this area (ca. 940 sf) with crusher fines paving and installing salvaged timber edging (75 lf).

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FOUNDATION DETAILS

#### mep engineer

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**Design Enginuity** PO Box 2758 Santa Fe, NM 87504 contact:Oralynn Guerrerortiz tel: 505.989.3557 e: oralynn@designenginuity.biz

civil engineer

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### irrigation consultant

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### structural engineer

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e: karl@tiptonengineering.com

#### **PROJECT DATA**

Roof Area

Lot Info Lot 13 & 14 Lot Area ± 68.01 Acres

Project Area ± 13.94 Acres (607,200 sf)

> Existing (Non-heated) 1,055 sf Picnic Shelter (Baseball) <u>sf</u> Shade Structure (Large)

> > 3,465

Existing (Heated) 870 sf Restroom Building

sf Total

New (Non-Heated) 775 sf Picnic Shelter

Lot Coverage  $5,110 \text{ sf (Roof Area)} / 68 \text{ ac} = \pm .001\%$ 24'-0" Maximum Allowable Building Height New Building Height 11'-5" Maximum NR-Non Residential Occupancy Group Public / Institutional Dwelling Units 0 Units

Section / Lot / Block Info Section 31, T.17N., R.9E., N.M.P.M. Santa Fe County, New Mexico

Parking (North of Caja Del Oro Grant Road)

35 Spaces (2 Accessible) Existing: 109 Spaces (6 Accessible) Proposed: Total: 144 Spaces (8 Accessible)

Parking (South side dog park)

0 Spaces Existing:

Proposed: 10 Spaces (1 Accessible) Total: 10 Spaces (1 Accessible)

#### **GENERAL CONDITIONS NOTES**

- 1. Work performed shall comply with the following:
- A. These General Notes, Construction Documents and Specifications. B. All applicable local, state, and federal codes, ordinances and regulations. All codes listed in Specifications and Drawings shall be inclusive of all codes, regulations and requirements adopted by the State of New Mexico, including all Amendments.
- 2. Source of base information is Wilson and Company, Inc. Architects and Engineers, and is assumed to be correct. Report any discrepancies immediately to the Owner's representative.
- 3. Verify locations and grade information of pertinent site improvements installed under other contracts. If any part of this plan cannot be followed due to site conditions, contact owner's representative for instructions prior to commencing work.
- 4. Contact local underground utility services for utility location and identification prior to commencing
- 5. Perform excavation in the vicinity of underground utilities with care and by hand, if necessary. The contractor bears full responsibility for this work and disruption or damage to utilities shall be repaired immediately and at no expense to the owner. No additional compensation or time extension for delays, inconveniences, or damages sustained will be made to contractor due to interferences from utility appurtenances or the operation of moving them resulting from contractor's
- 6. Field verify all elevations, dimensions, right-of-way and boundary limits prior to the beginning of construction. The contractor shall limit all work on this project within the existing right-of-way or

#### SITE DEMOLITION NOTES

- . Items shall remain unless designated for removal. Remove designated items shown on the plan to the full depth of their construction unless otherwise noted. Coordinate demolition work with work to be performed under this contract.
- 2. Verify the location and dimension of items to be removed prior to commencement of the work.
- 3. All concrete and asphalt removal shall be saw cut. Edges of material to remain shall be shored up and protected during construction to preserve edge intact. Repairs to damaged edges to be done with care and at no cost to the owner.
- 4. Remove and dispose of existing construction debris within improvement areas prior to construction. Construction debris disposal locations as indicated by the contract documents or as directed by the Owner's representative.
- 5. Salvaged items to be removed with care, cleaned, and stored on site for future use or transported to off site location as directed by owner.
- 6. Items encountered below grade and not shown on the drawings shall be brought to the attention of the Landscape Architect.
- 7. Contact the local underground service for utility location and identification prior to demolition.
- 8. Perform excavation in the vicinity of existing utilities by hand where applicable. The Contractor is responsible for damage to existing utilities caused by any person, vehicle, equipment or tool related to the execution of the Contract.
- 9. Topsoil to be salvaged from areas indicated on plans that will be disturbed by excavation, filling, road building, or compaction by equipment. A four to six inch stripping depth is common, but depth will depend on the soil profile at the site. Topsoil stockpiled for future use shall be relatively free from large roots, sticks, weeds, brush, stones larger than (1) inch diameter, or other litter and waste products including other extraneous materials not conducive to plant growth.
- 10. Location of any on-site topsoil stockpiles shall be identified on the approved plans or coordinated with the owner's representative prior to demolition. Stockpile locations shall be identified to avoid slopes and natural drainageways and to avoid traffic routes. Topsoil stockpile shall be located in areas to avoid erosion of said stockpile to offsite areas.
- 11. Topsoil stockpiles are to have a minimum 1.5 feet high (or higher) perimeter berm around the circumference of the pile for sediment control and topsoil conservation. Construction of the perimeter ditch/berm should precede any activities associated with material placement in the stockpile. Topsoil stockpile height shall not exceed 10 feet.
- 12. Use sediment barriers (straw bales, silt fences) around the perimeter of the stockpile. Apply temporary stabilization to the stockpile within seven days of the formation of the stockpile either in the form of temporary seeding or mulch if it is to remain unused for longer than 30 days. If stockpile will not be used within 12 months, it should be stabilized through seeding of permanent vegetation so as to minimize soil erosion by both wind and water.
- 13. Fill all holes derived from fence posts removal. Compact soils to prevent settling.

#### **LAYOUT NOTES**

- 1. On-site verification of all dimensions and conditions shall be the responsibility of the General Contractor. Noted dimensions take precedence over scale, larger scale over smaller scale, addenda and clarifications over previous documents.
- 2. Contractor to lay out site elements and verify layout with Landscape Architect prior to construction.
- 3. For dimensions of existing buildings and related work, refer to the as built architectural drawings. Architectural drawings can be obtained from Santa Fe County.
- 4. Where dimensions are called as "equal," space referenced items equally, measured to their center
- 5. Measurements are to face of building, wall or fixed site improvement. Dimensions to centerlines is
- 6. Install intersecting elements at 90 degree angles to each other unless otherwise noted.
- 7. Install new hardscape paving elements (curbs, ramps, walkways, patios, trails, pavement, etc.) flush with existing hardscape paving elements unless otherwise noted.
- 8. Provide expansion joints where concrete flatwork meets vertical structures such as walls, curbs, steps and building elements.
- 9. Expansion joints in concrete walkways shall be located twenty feet (20'-0") O.C. maximum or as indicated. Control joints in concrete walkways shall be located five feet (5'-0") O.C. maximum or as
- 10. All radii of walkway intersections on the plans shall be 4'-0" or as indicated on the plans.
- 11.The contractor shall ensure ADA compliance for construction of ADA features and appurtenances (including, but not limited to, sidewalk & curb ramp cross slopes, ramp slopes, thresholds, site furnishings, etc) as detailed in the plans and in accordance with referenced standard drawing, specifications and established ADA guidelines and standards. The contractor is responsible for field checking slopes and dimensions of all formwork for compliance prior to installation of concrete. Santa Fe County reserves the right to inspect any ADA features and appurtenances at any time before final completion of the project and may require the contractor to remove, replace, and/or correct any work at the contractors expense that in not in compliance, as determined by the project
- 12. All temporary access routes for pedestrians shall be ADA compliant.
- 13. Coordinate finish grade of new elements with existing elements to remain to ensure ADA compliance and positive drainage away from site elements. If grades of new site elements prevent or obstruct proper site drainage, contractor to notify owner and landscape architect and make mutually agreed upon adjustments prior to installing site improvements.
- 14. Contractor to keep disturbance to adjacent landscape areas to a minimum and to avoid disturbance and demolition of existing vegetation designated for preservation except as approved by Landscape Architect. When excavation near plant material to be protected must be carried out, damage to be limited by root pruning. Root pruning shall be completed before grading is started.
- 15. Concrete within the roadway and post-tensioned slab is not colored, unless otherwise noted. All other concrete is integral colored concrete.

#### LANDSCAPE PLANTING NOTES

- 1. Verify locations of pertinent site improvements installed under other sections. If any part of this plan cannot be followed due to site conditions, contact Landscape Architect for instructions prior to
- 2. Exact locations of plant materials to be approved by the Landscape Architect in the field prior to installation. Landscape Architect reserves the right to adjust plants to exact location in field.
- 3. Verify plant counts and square footages: quantities are provided as Owner information only. If quantities on plant list differ from graphic indications, then graphics shall prevail.
- 4. Contact the local underground utility services for utility location and identification.
- 5. Perform excavation in the vicinity of underground utilities with care and if necessary, by hand. The Contractor bears full responsibility for this work and disruption or damage to utilities shall be repaired immediately at no expense to the Owner.
- 6. Trees shall bear same relation to finished grade as it bore to existing.
- 7. Trees to be planted a minimum of 4 feet from face of building or pavement, except as approved by Landscape Architect.
- 8. Provide matching forms and sizes for plant materials within each species and size designated on the drawings.
- 9. Prune newly planted trees only as directed by Landscape Architect.
- 10. Align and equally space in all directions trees and shrubs so designated per these notes and
- 11. Finish grades of planter areas shall be 1 1/2 inches below adjacent paving or top of wall unless otherwise noted.
- 12. Cut and remove burlap from top 1/3 of ball.
- 13. Landscape Architect to review plant materials at source or by photographs prior to digging or
- 14. Revegetate all areas disturbed due to construction activities as outlined in the contract documents. Review extent of areas to be revegetated with Landscape Architect prior to commencing work.
- 15. Contractor to de-compact soils in planting areas by roto-tilling, disking or ripping to a depth of 6 - 8" minimum and preferably a depth of 12 - 18". De-compaction of small planter areas, such as those in parking lot areas, may require the removal of the compacted soil to a depth of 18" or more and then re-installed loosely with required amendments. Always remove debris over 2" in
- 16. When performing soil de-compaction, multiple passes across the area will be required and, when possible, should be at varying angles to ensure adequate coverage. When using disc or ripping equipment, it is required that the final passes over the area be made with a roto-tiller to break up any large clumps to make final grading easier.
- 17. During the remainder of the landscape installation, various areas of the site may be re-compacted due to the use of equipment and vehicles. This compaction is typically limited to the upper 4-6" of the soil. Prior to the installation of plant material in these areas, the compaction shall be reduced to 80% or less using previously described methods.

#### **IRRIGATION NOTES**

- 1. See general conditions notes.
- 2. Point of connection for irrigation mainline is as noted on plans.
- 3. Extend control wires to all irrigation valves as shown on plans.
- 4. Contractor to verify that water source is capable of providing pressure and gpm for systems as designed prior to beginning any irrigation work.
- 5. Locations of irrigation lines, valves, heads, and all other related irrigation appurtenances shown on these drawings are diagrammatic only. The exact location of the above need to be approved by the Landscape Architect.
- 6. Stake all utilities, including sewer and drainage prior to any excavation for irrigation.

#### STRUCTURAL NOTES

#### 1. Codes and manuals: International Building Code, 2015 edition, ASCE 7-10 AISC Manual of Steel Construction, AISC 360-10 SJI Standard Specifications for Steel Joist and Joist Girders, SJI current edition

SDI Diaphragm Design Manual, 2nd edition AISI Cold Formed Steel Manual, current edition ACI Building Code Requirements for Reinforced Concrete AC 318-14 AWS D1.1 and D1.3

#### 2. Design Criteria:

A. Vertical: Roof 25 psf (snow) Live load Dead load Actual component weight B. Horizontal

IBC simplified wind load method PS =  $\lambda$  Iw Ps 30 (1) wind

Basic wind speed (Vult.3 = 115 mph)  $qz = 0.00256 Kz Kzt Kd V^2$ Exposure Importance factor (Iw) 1.0 0-15' qz = 28.715'-20' qz = 30.5

(2) Seismic (ASCE-7 Equivalent Lateral Force Procedure) Mapped spectral response Ss = 48.8% S1 = 14.3% Site coefficients Fa = 1.42 Fv= 2.227 Importance factor (le) = 1.0 Site class = D Seismic use group = Seismic design category Seismic base shear (V) V= Cs W V= 0.062 W Cs = Sds le / R =  $0.431 \times 1.0 / 7 = 0.062$ 

A. The contractor shall verify all dimensions in the field.

C. Allowable soil bearing pressure = 1500 psf (assumed)

- B. Shop drawings shall be furnished and reviewed before any fabrication or erection is started. The contractor shall review and approve shop drawings prior to submittal to the architect for review. Poorly executed shop drawings will be rejected and shall be resubmitted.
- C. The contractor shall be responsible for providing safe and adequate shoring for all parts of the structure during construction.
- D. Temporary provisions shall be made for structural stability during construction. The structure shown on the drawings has been designed for stability under final configuration.
- E. The contractor shall coordinate and verify all openings in floors, rooves, walls, and beams with the individual trades.
- F. Notching or cutting any structural member in the field in prohibited. G. The contractor shall verify the size and location of foundations under mechanical and
- electrical equipment as required. No concrete pads shall be located on roof unless shown on structural drawings.
- H. Removal of forms and shoring shall be in accordance with ACI-347.

#### 4. Materials:

- A. Cast-in-place concrete: (1) All concrete shall conform to the specifications for structural concrete, ACI 301-10.
- (2) All exposed edges of concrete shall have a X" chamfer unless noted otherwise. (3) Normal weight concrete:
- a. F'C 4000 psi @ 28 days (air entrained) all exposed exterior concrete flat work (i.e. slabs, equipment pads, etc.)
- b. F'C 3000 psi @ 28 days (air entrained) all interior concrete (i.e. footings, pedestals,
- c. F'C = 3000 psi @ 28 days all interior slabs. (4) The contractor shall not cast foundations, grade beams, or retaining walls against excavated vertical side surfaces
- B. Reinforcing steel: (1) All reinforcing steel shall be fabricated and placed in accordance with the building code
- requirements for structural concrete (ACI 318-14) (2) All reinforcing steel shall conform to ASTM A615 grade 60 except stirrups, ties, and field-bent bars which shall conform to ASTM A615 grade 40.
- (3) All slabs shall be reinforced as shown on the drawings. (4) Where lapped splices in reinforcing occur, the minimum lap shall be made as follows
- unless noted otherwise on drawings: a: Vertical reinforcing: 30 bar diam. or 18" minimum
- b: horizontal reinforcing: 30 bar diam. or 18"minimum (5) All horizontal reinforcing in footings and walls shall be continuous around corners or have corner bars of the same size and spacing as the horizontal bars and lap a minimum
- of 30 bar diam. or 18" minimum. (6) Concrete cover for reinforcing shall be as follows unless otherwise noted: a. Concrete cast against earth and permanently exposed to earth 3"
- b. Concrete exposed to earth or weather: 1. Bars larger than no. 5 - 2"

Structural Steel for Buidlings"

Welding pre qualification required.

- 2. Bars no.5 and smaller 1-1/2" (7) Form ties shall be either of the threaded or snap-off type so that no metal will be left
- within 1 inch of the surface of the wall. (8) Bar supports and spacers for reinforcing shall be provided in accordance with ACI 315-10. Chairs with 22 ga. sand plates or precast blocks shall be provided for all reinforcing of concrete in contact with grade. Reinforcing shall be
- (9) Reinforcing shall not be tack welded or welded in any manner unless specifically detailed on the structural documents.
- C. Structural and miscellaneous steel: 1. All structural steel shall be detailed and fabricated in accordance with the AISC "Specification for the Design, Fabrication and Erection of
  - 2. All structural and miscellaneous steelmembers, shapes and connections shall conform to astm A36 unless noted otherwise. 3. All cold formed structural tubing shall conform to ASTM A500. Grade B.
  - Fy = 46 ksi.4. Bolts shall conform to ASTM A325 tension control bolts unless noted otherwise, with sizes as shown on the drawings.
  - 5. All bolts shall be tightened so as to shear the spline off the bolt. 6. Anchor bolts emedded in concrete shall be ASTM A307 bolts or A36 threaded bars. Provide flat washers between all nuts and baseplates.
  - 7. All welding shall be done in accordance with the latest standards of the AWS D1.1 Structural Welding Code-Steel. 8. All bolt holes that are required to be field drilled shall be drilled with a mag drill. Flame cutting of holes or enlarging of unfair holes will not be allowed.

9. Headed concrete anchors and shear connectors shall be type "b" in conformance

with AWA D1.1. Structural steel to receive shear connections shall be free of paint.

#### **FOUNDATION NOTES**

- A. A sub-surface soil investigation has not been done. Assumes soil characteristics are: stiff
- soil profile, with a standard penetration resistance of 15-50 N. B. If inappropriate soils are encountered, the services of a registered geo-technical engineer should be obtained.
- 2. Field observations and tests:
- A. The contractor will employ the services of a registered, licensed geotechnical engineer to observe all controlled earthwork and shall provide continuous on-site observation by experienced personnel during construction of controlled earthwork, the contractor shall notify the geo-technical engineer at least 2 working days prior to any field operations of the controlled earthwork.
- B. Test of materials shall be made at the following rates: (1) One field density test per each 250 square yards of compacted subgrade prior to placing
- structural fill with a minimum of 3 tests.
- horizontal layer of structural fill, whichever is greater. (3) One moisture-density curve for each type of material used, as indicated by sieve analysis and plasticity index.

(2) One field density test per each 150 cubic yards of compacted fill placed or each

C. The geotechnical engineer shall submit the results of all required tests.

A. Strip and remove any existing vegetation, organic top soils, debris, and other deleterious materials from the building area. All exposed surfaces should be free of mounds and depressions that could prevent uniform compaction.

#### 4. Structural fill requirements: A. Gradation (ASTM D422):

Sieve size percent	Passing by weigh
6"	100
4"	85-100
3/4"	70-100
no.4 sieve	50-100
no. 200 sieve	40 (max)

- B. Maximum expansive potential 1.5% maximum soluble sulfates 0.10% C. Material larger than 6 inches shall not be placed in the structural fill, and material larger than 4 inches shall not be placed within 12 inches of the bearing surfaces of slabs or
- D. No brush, sod, frozen material or other unsuitable material shall be placed in the structural fill. Material shall be placed in such a manner as to result in a uniformly compacted fill.

#### 5. Compaction requirements:

A. Subgrade soils and structural fill materials shall be compacted to the following percentages of the ASTM D1557 maximum dry density at +3/-1% optimum moisture

CONTENT.		
<u>M</u>	<u>linimum</u>	Material percent compaction
	on-site soil, reworked and fill	95%
	imported soil	95%
	aggregate base course below slab-or	n-grade 95%

#### TABLE OF ABBREVIATIONS

APPROX	APPROXIMATE	MH	MANHOLE
ARCH	ARCHITECT	MIN	MINIMUM
AVG	AVERAGE	MISC	MISCELLANEOUS
B+B	BALLED AND BURLAPPED	N	NORTH
		NIC	NOT IN CONTRACT
BF	BOTTOM OF FOOTING		
BLDG	BUILDING	NO	NUMBER
BM	BENCHMARK	NOM	NOMINAL
BOC	BACK OF CURB	NTS	NOT TO SCALE
BR	BOTTOM OF RAMP	OC	ON CENTER
		OD	OUTSIDE DIAMETER
BS	BOTTOM OF STEP		
BW	BOTTOM OF WALL	OPP	OPPOSITE
CAL	CALIPER	PAR	PARALLEL
		PC	POINT OF CURVATURE
CAP	CAPACITY		
CF	CUBIC FEET	PE	POLYURETHANE
CHAM	CHAMFER	PERF	PERFORATED
		PED	PEDESTRIAN
CIP	CAST IN PLACE		
CJ	CONTROL JOINT	PI	POINT OF INTERSECTION
CL		PL	PROPERTY LINE
	CENTER LINE	PT	
CLR	CLEARANCE		POINT, POINT OF TANGENC
CM	CENTIMETER	PVC	POLYVINYL CHLORIDE
CO		PVMT	PAVEMENT
	CLEAN OUT		=
COMP	COMPACTED	PVR	PAVER
CONC	CONCRETE	QTY	QUANTITY
		R	RADIUS
CONST	CONSTRUCTION		
CONT	CONTINUOUS	REF	REFERENCE
CONTR	CONTRACTOR	REINF	REINFORCE(D)
		REQ'D	REQUIRED
CU	CUBIC		
CY	CUBIC YARD	REV	REVISION, REVISED
DEMO	DEMOLISH, DEMOLITION	ROW	RIGHT OF WAY
		RT	
DIA	DIAMETER		RIGHT
DIM	DIMENSION	S	SOUTH
DTL	DETAIL	SS	SANITARY SEWER
		SCH	
DWG	DRAWING		SCHEDULE
E	EAST	SD	STORM DRAIN
EA	EACH	SEC	SECTION
		SF	
EJ	EXPANSION JOINT		SQUARE FOOT (FEET)
EL	ELEVATION	SHT	SHEET
ELEC	ELECTRICAL	SIM	SIMILAR
ENG	ENGINEER	SNT	SEALANT
EQ	EQUAL	SPECS	SPECIFICATIONS
EQUIP	EQUIPMENT	SQ	
			SQUARE
EST	ESTIMATE	ST	STORM SEWER
E.W.	EACH WAY	SY	SQUARE YARD
EXIST	EXISTING	STA	STATION
EXP	EXPANSION, EXPOSED	STD	STANDARD
FFE	FINISHED FLOOR ELEVATION	STL	STEEL
FG	FINISHED GRADE	STRL	STRUCTURAL
FIN	FINISH	SYM	SYMMETRICAL
FL	FLOW LINE	T&B	TOP AND BOTTOM
FOW	FACE OF WALL	TBC	TOP OF BACK CURB
FT	FOOT (FEET)	TC	TOP OF CURB
FTG		TF	
	FOOTING		TOP OF FOOTING
GA	GAUGE	TRANS	ELECTRIC TRANSFORMER
GAL	GALVANIZED	TOC	TOP OF CONCRETE
GEN		TOPO	
	GENERAL		TOPOGRAPHY
HORIZ	HORIZONTAL	TR	TOP OF RAMP
HP		TSL	TOP OF SLAB
	HIGH POINT		
HT	HEIGHT	TS	TOP OF STEP
ID	INSIDE DIAMETER	TW	TOP OF WALL
INCL			
	INCLUDE(D)	TYP	TYPICAL
IRR	IRRIGATION	VAR	VARIES
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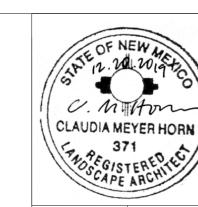
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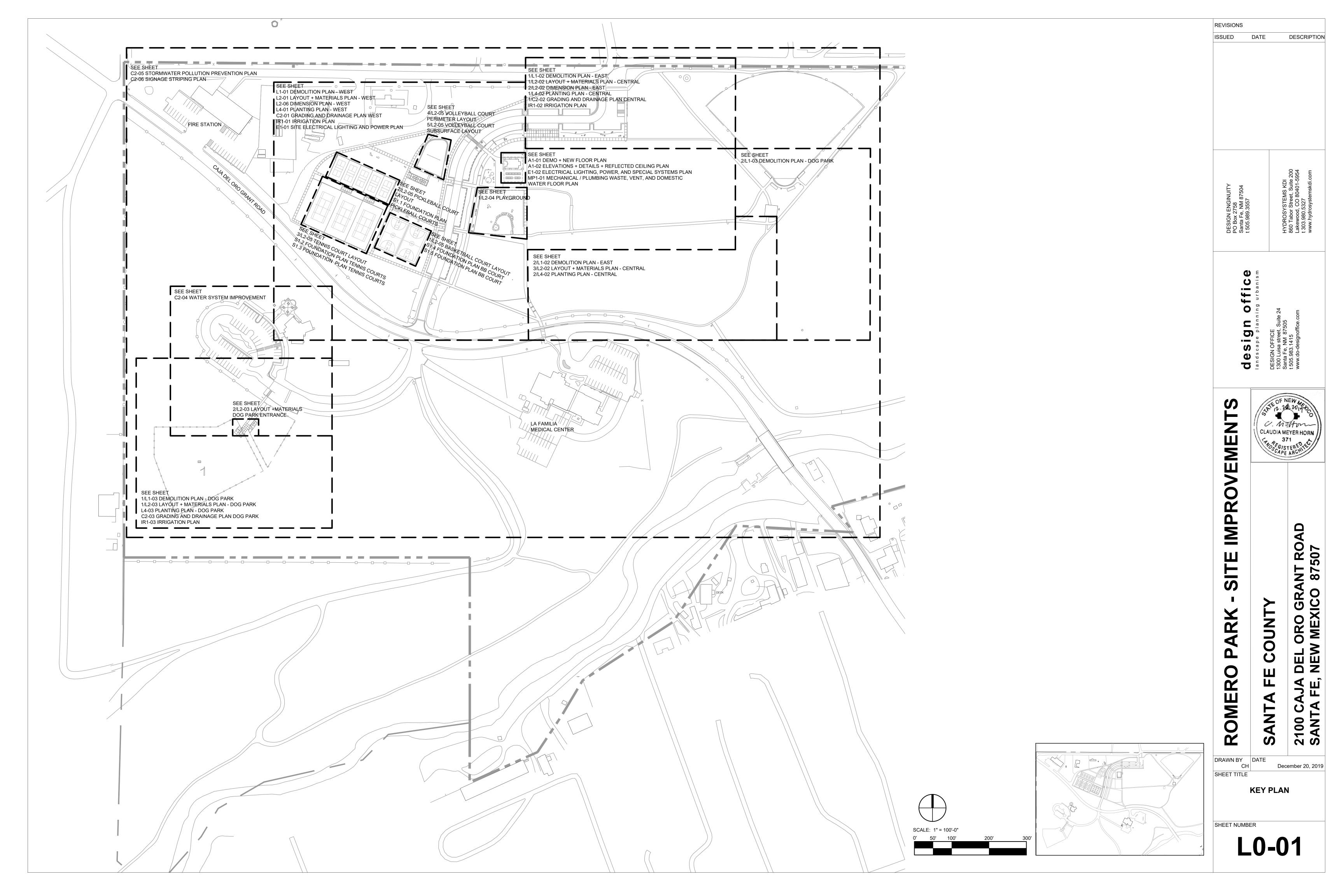
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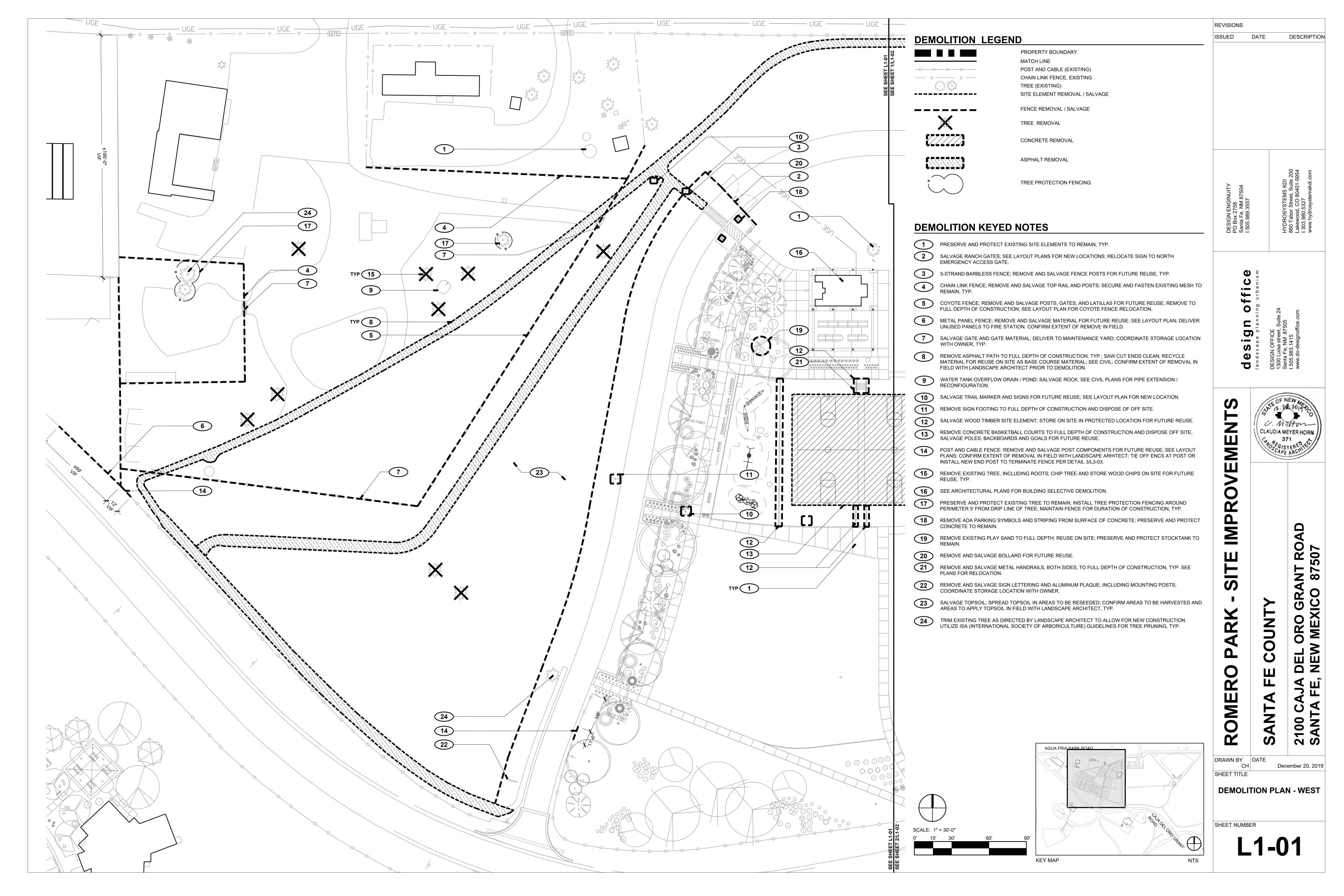
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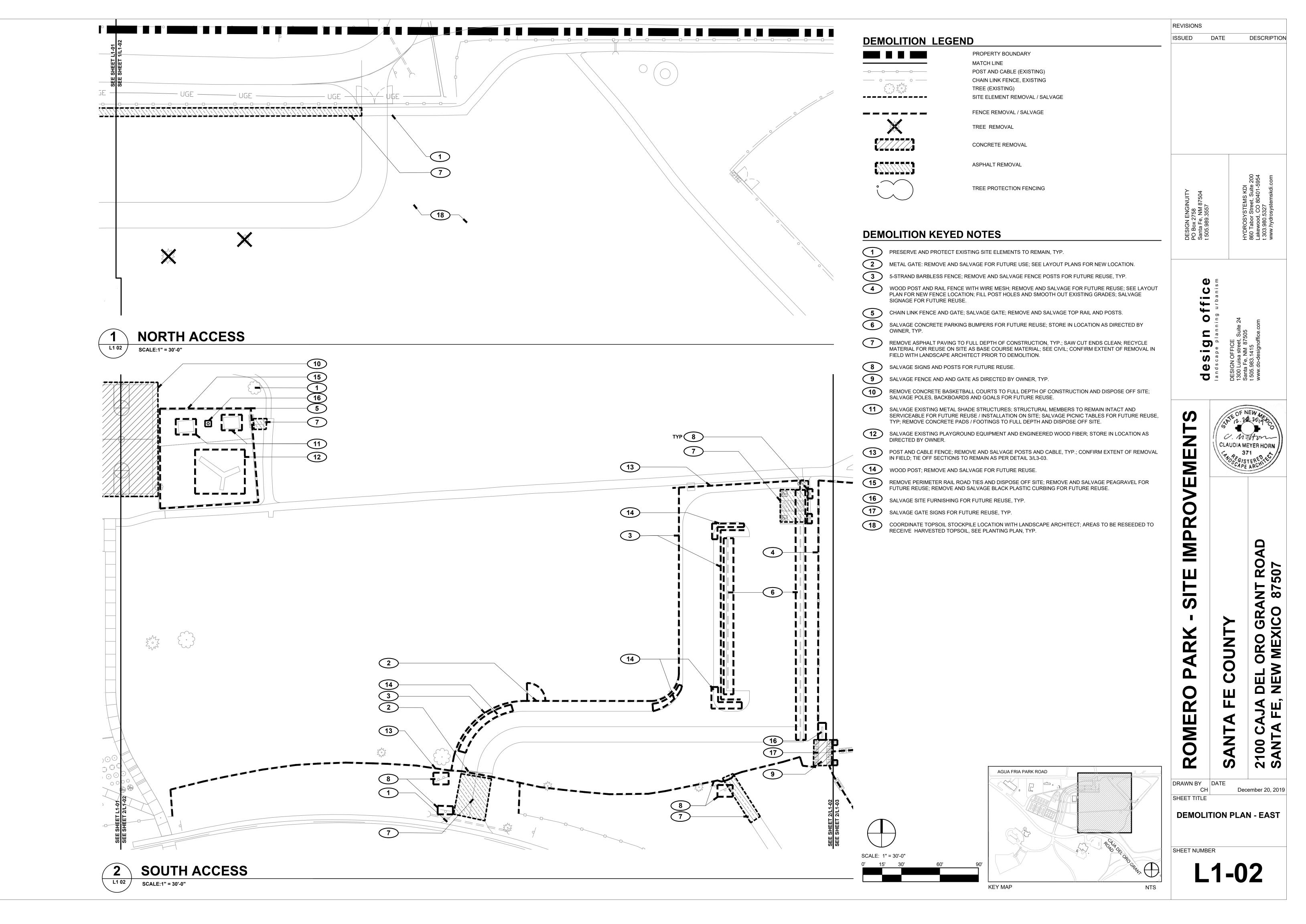
GENERAL NOTES

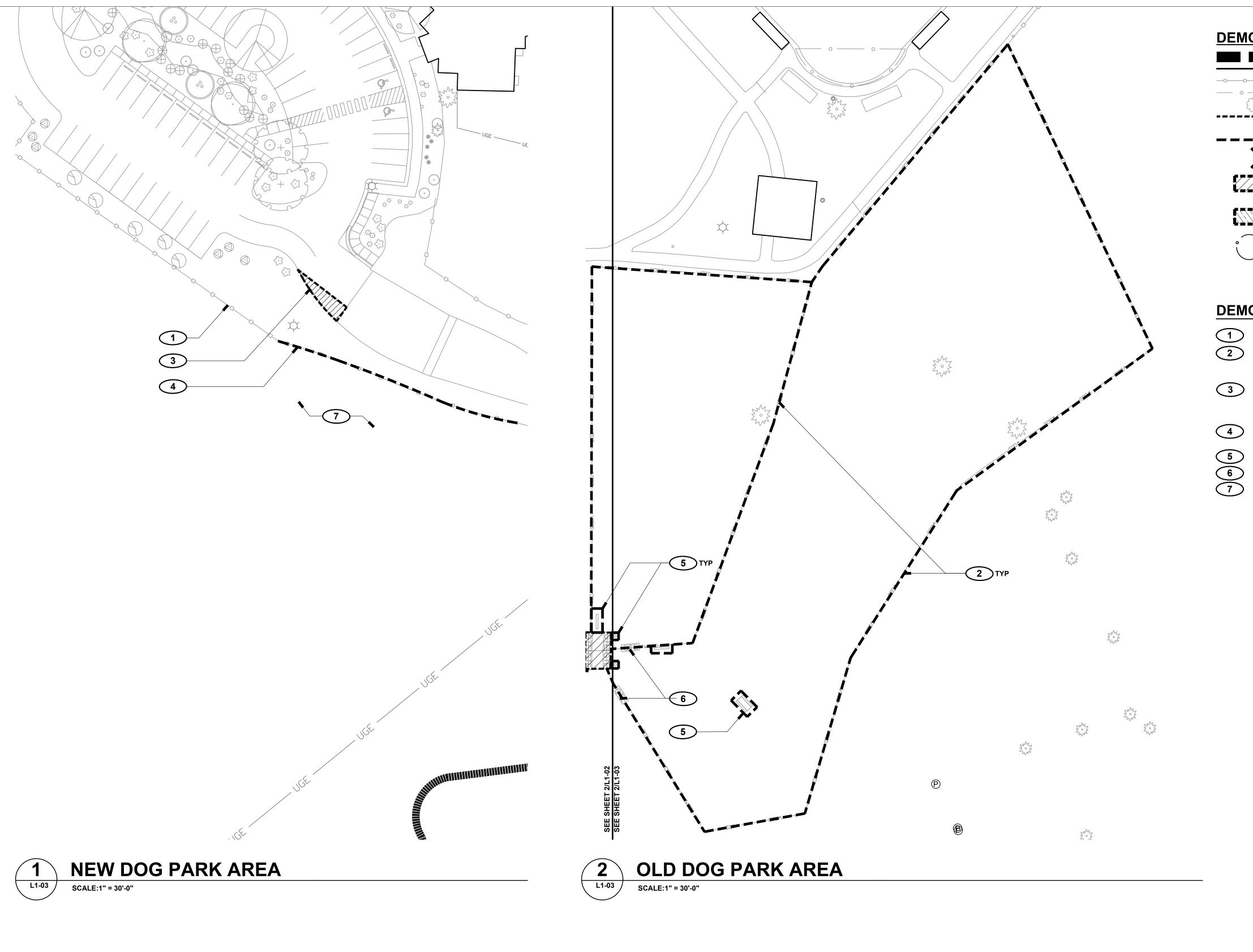
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**DEMOLITION LEGEND** 

\_\_\_\_\_ -----

PROPERTY BOUNDARY MATCH LINE POST AND CABLE (EXISTING)

CHAIN LINK FENCE, EXISTING TREE (EXISTING) SITE ELEMENT REMOVAL / SALVAGE

FENCE REMOVAL / SALVAGE

TREE REMOVAL

CONCRETE REMOVAL

ASPHALT REMOVAL

TREE PROTECTION FENCING

### **DEMOLITION KEYED NOTES**

1 PRESERVE AND PROTECT EXISTING SITE ELEMENTS TO REMAIN, TYP.

WOOD POST AND RAIL FENCE WITH WIRE MESH; REMOVE AND SALVAGE FOR FUTURE REUSE; SEE LAYOUT PLAN FOR NEW FENCE LOCATION; FILL POST HOLES AND SMOOTH OUT EXISTING GRADES; SALVAGE SIGNAGE FOR FUTURE REUSE.

REMOVE ASPHALT PAVING TO FULL DEPTH OF CONSTRUCTION, TYP.; SAW CUT ENDS CLEAN SHORE UP REMAINING TO PREVENT EROSION OF EDGE; RECYCLE MATERIAL FOR REUSE ON SITE AS BASE COURSE MATERIAL; SEE CIVIL; CONFIRM EXTENT OF REMOVAL IN FIELD WITH LANDSCAPE ARCHITECT PRIOR TO

POST AND CABLE FENCE; REMOVE AND SALVAGE POSTS AND CABLE, TYP.; CONFIRM EXTENT OF REMOVAL IN FIELD; TIE OFF SECTIONS TO REMAIN AS PER DETAIL 3/L3-03.

5 SALVAGE SITE FURNISHING FOR FUTURE REUSE, TYP.

SALVAGE GATE FOR FUTURE REUSE, TYP.

COORDINATE TOPSOIL STOCKPILE LOCATION WITH LANDSCAPE ARCHITECT; AREAS TO BE RESEEDED TO RECEIVE HARVESTED TOPSOIL, SEE PLANTING PLAN, TYP.

**REVISIONS** ISSUED DATE DESCRIPTION

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SITE

PARK

DEL ORO GRANT ROAD NEW MEXICO 87507 COUNTY

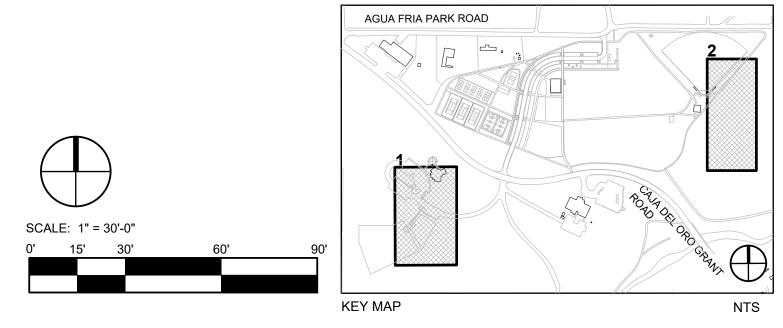
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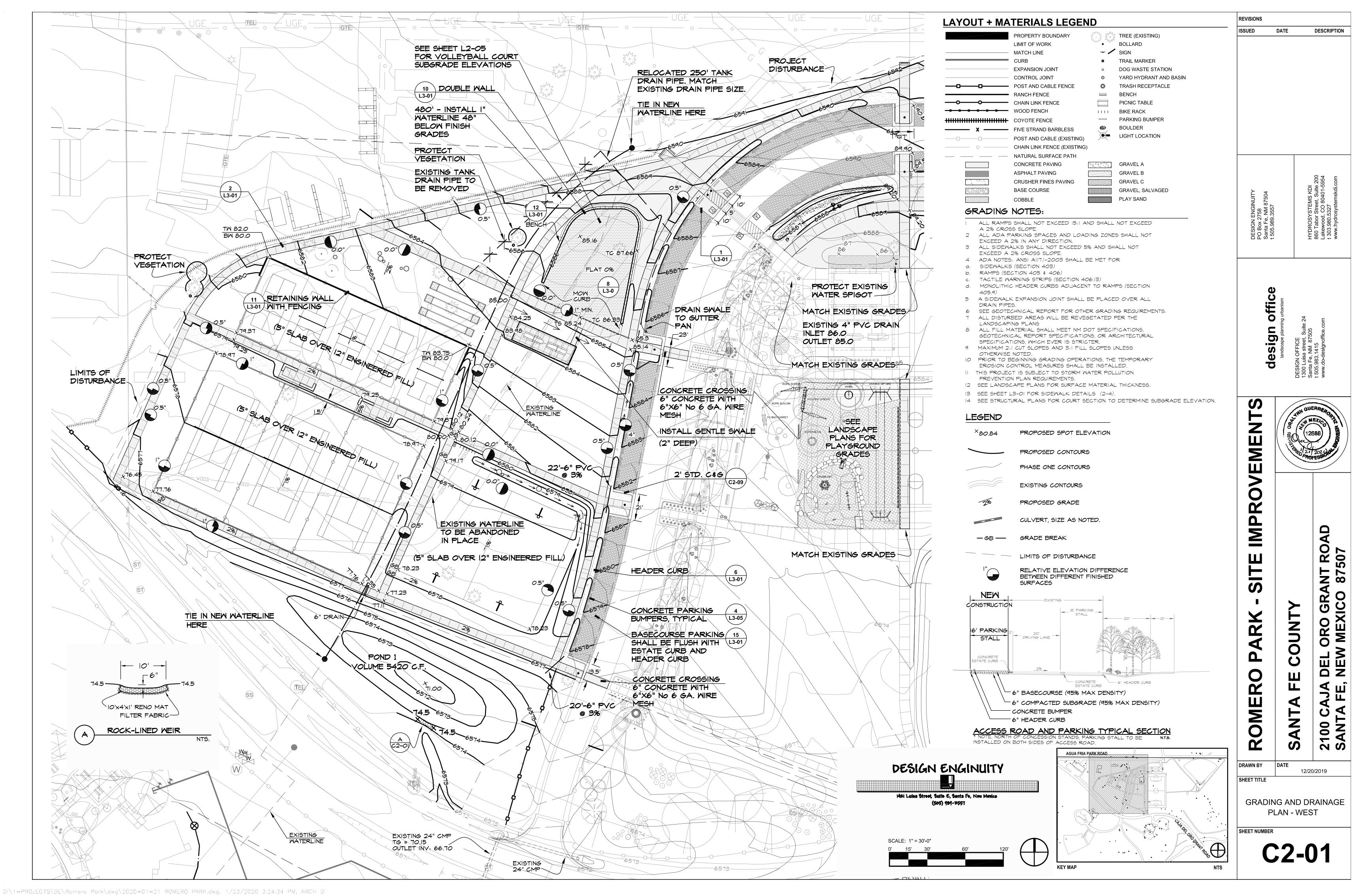
ROMERO DRAWN BY CH December 20, 2019 SHEET TITLE

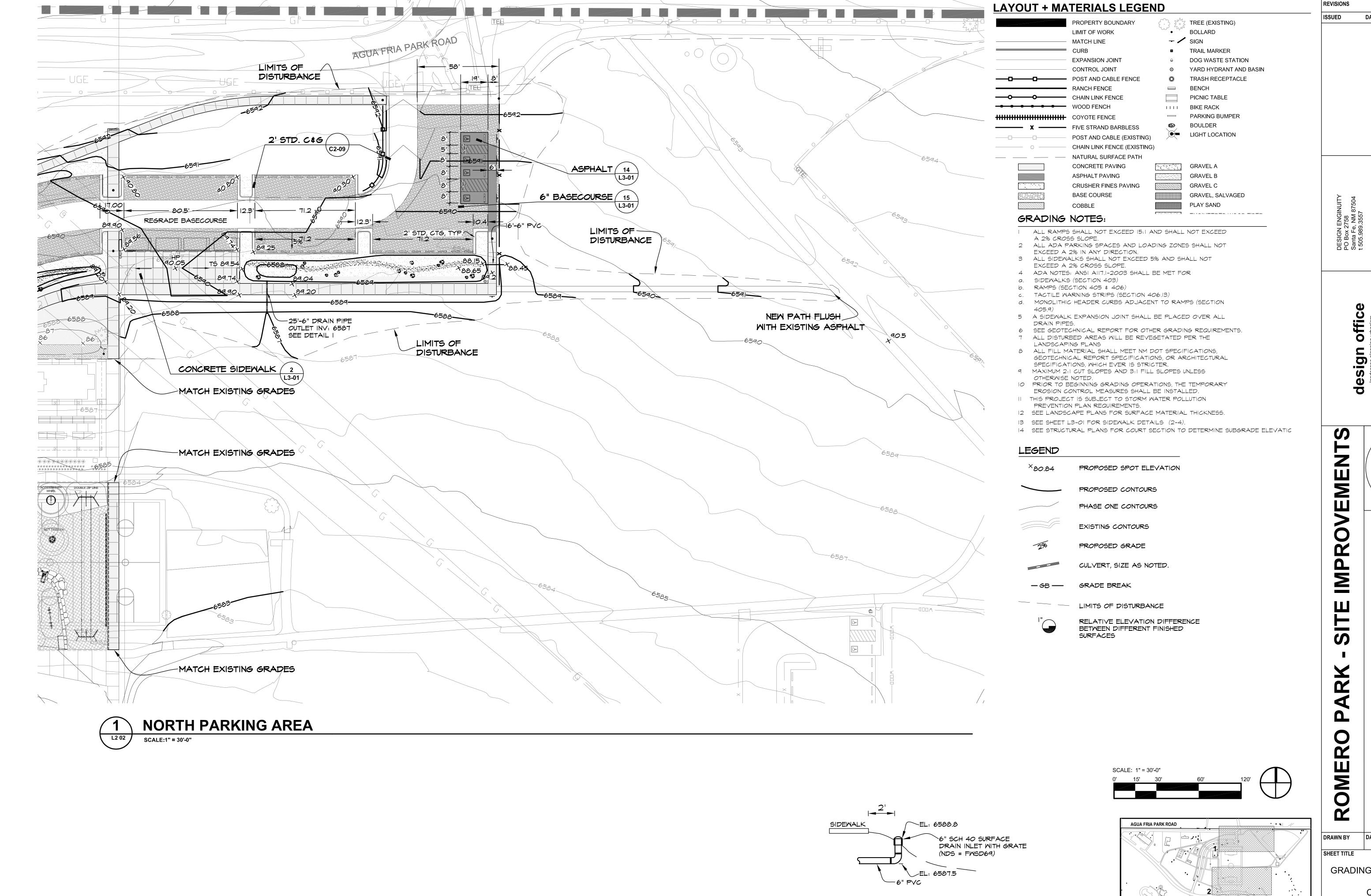
DEMOLITION PLAN -DOG PARK

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L1-03



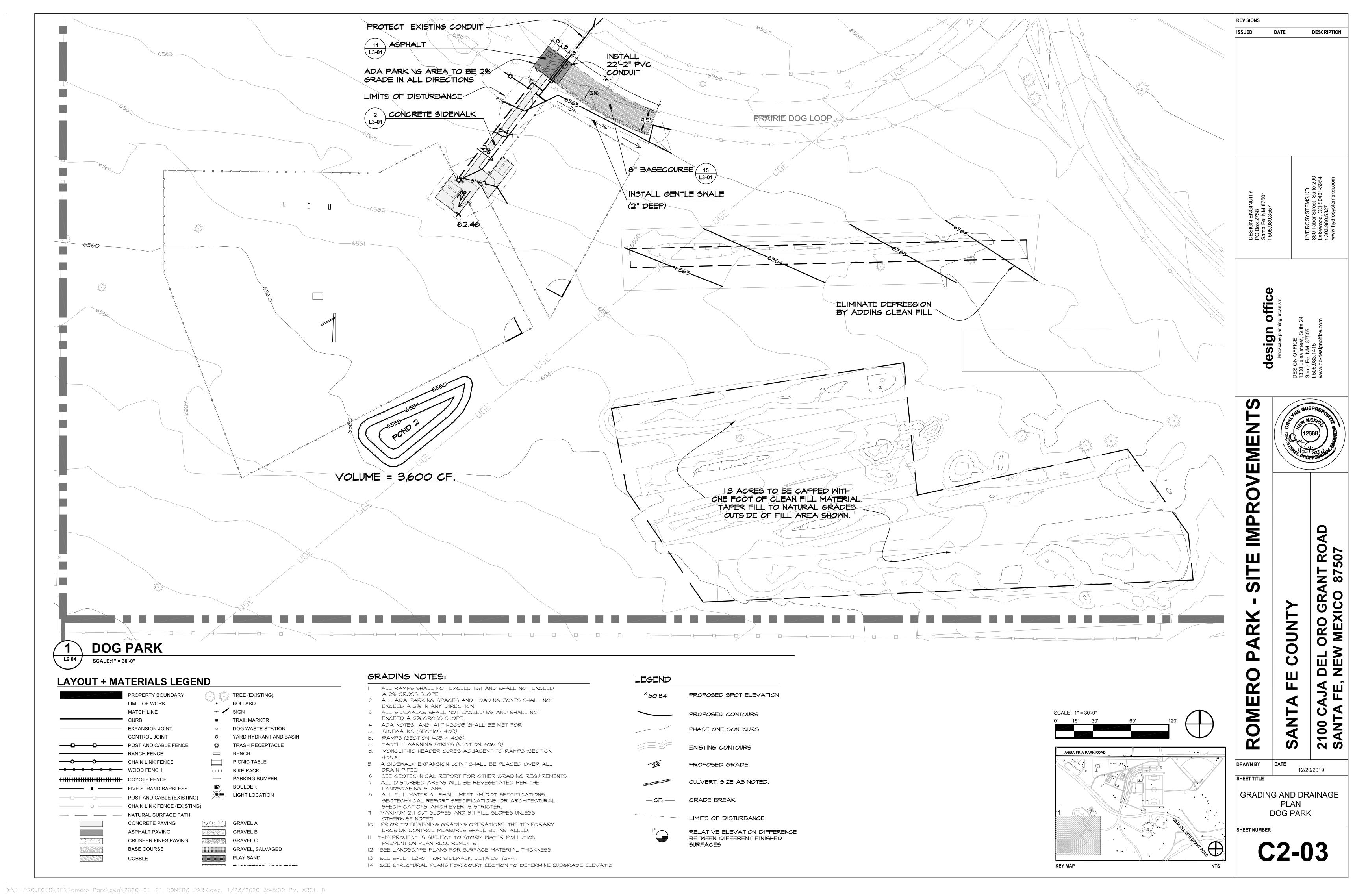


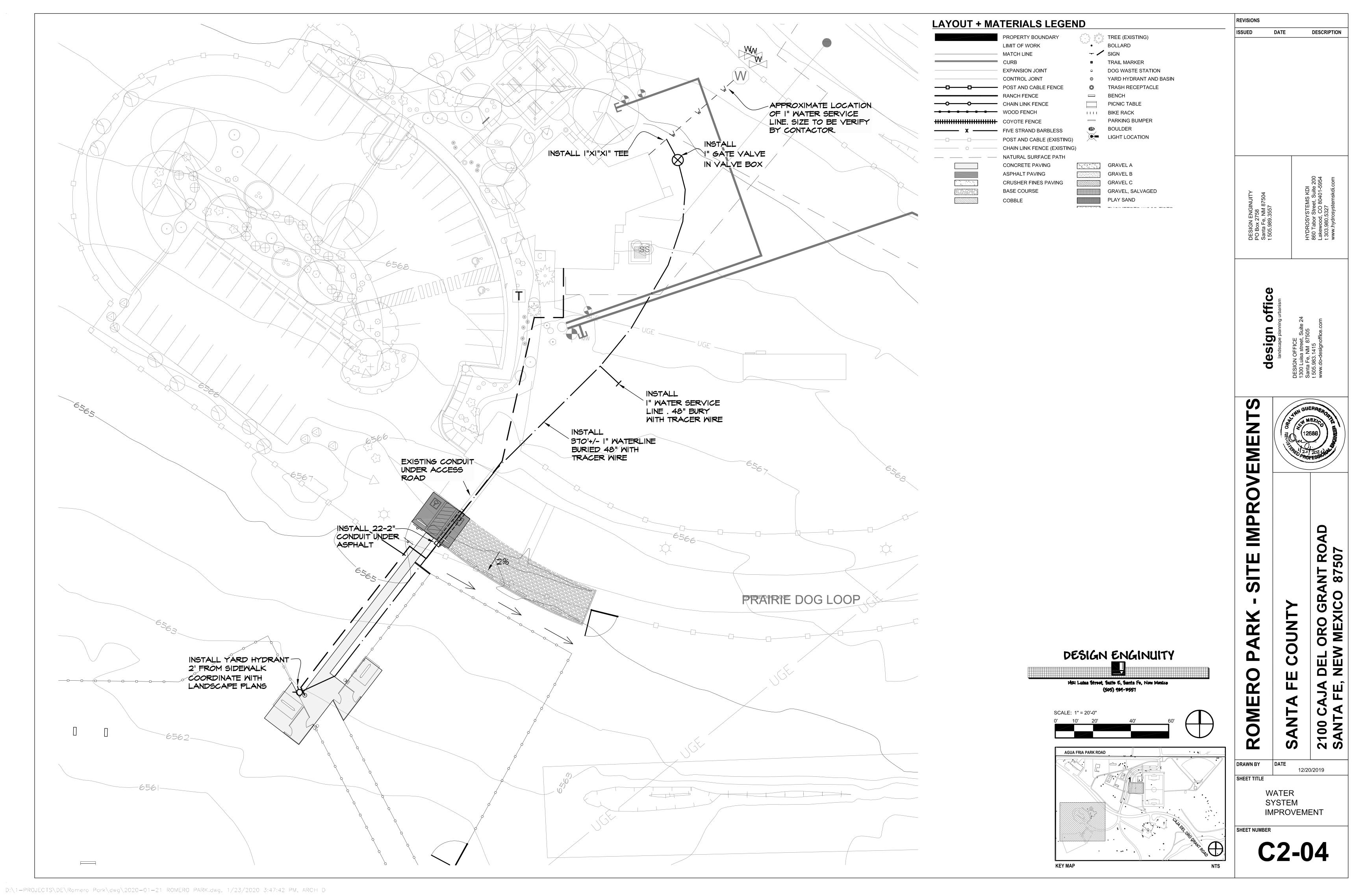


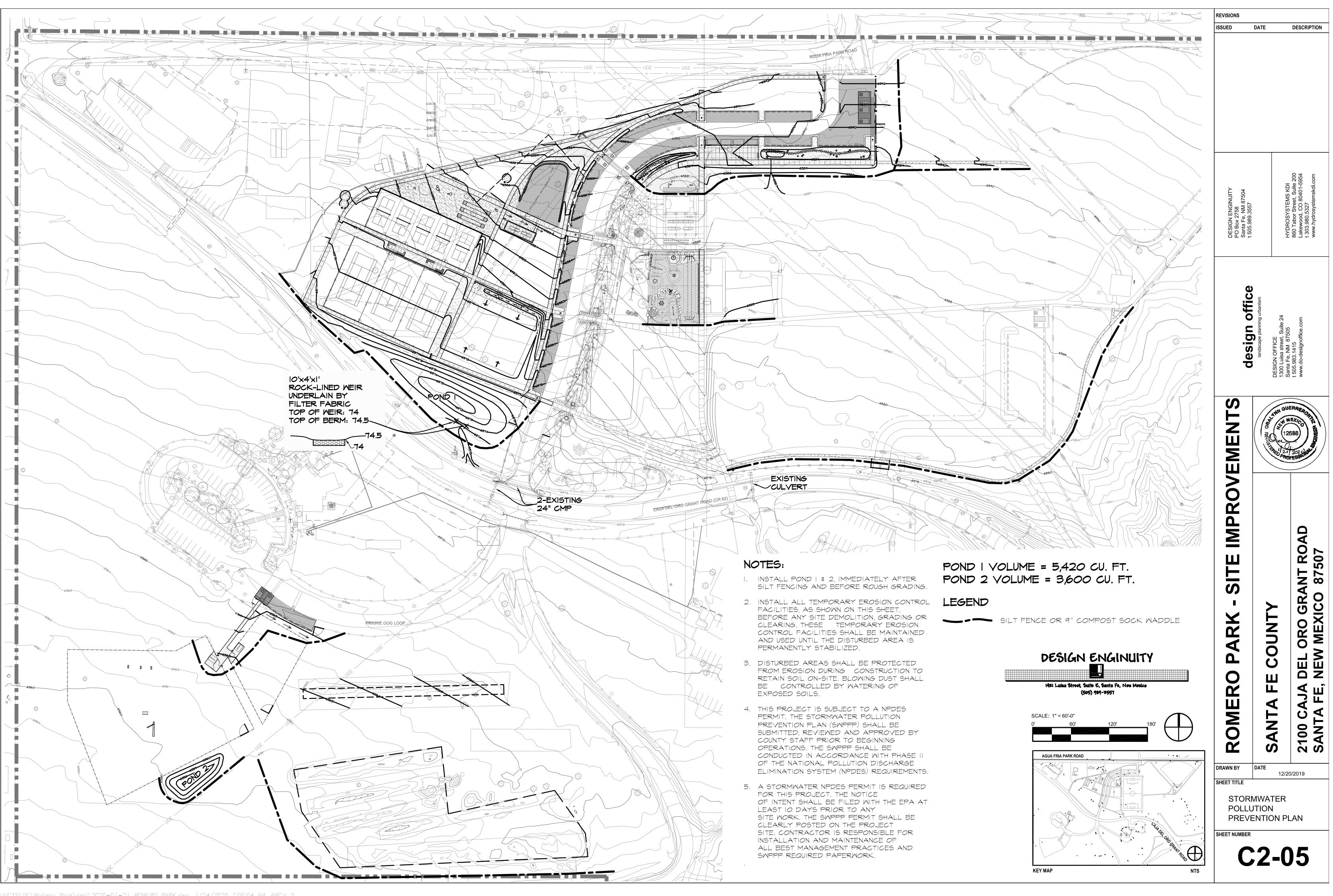
DETAIL I - INLET OF 6" PVC

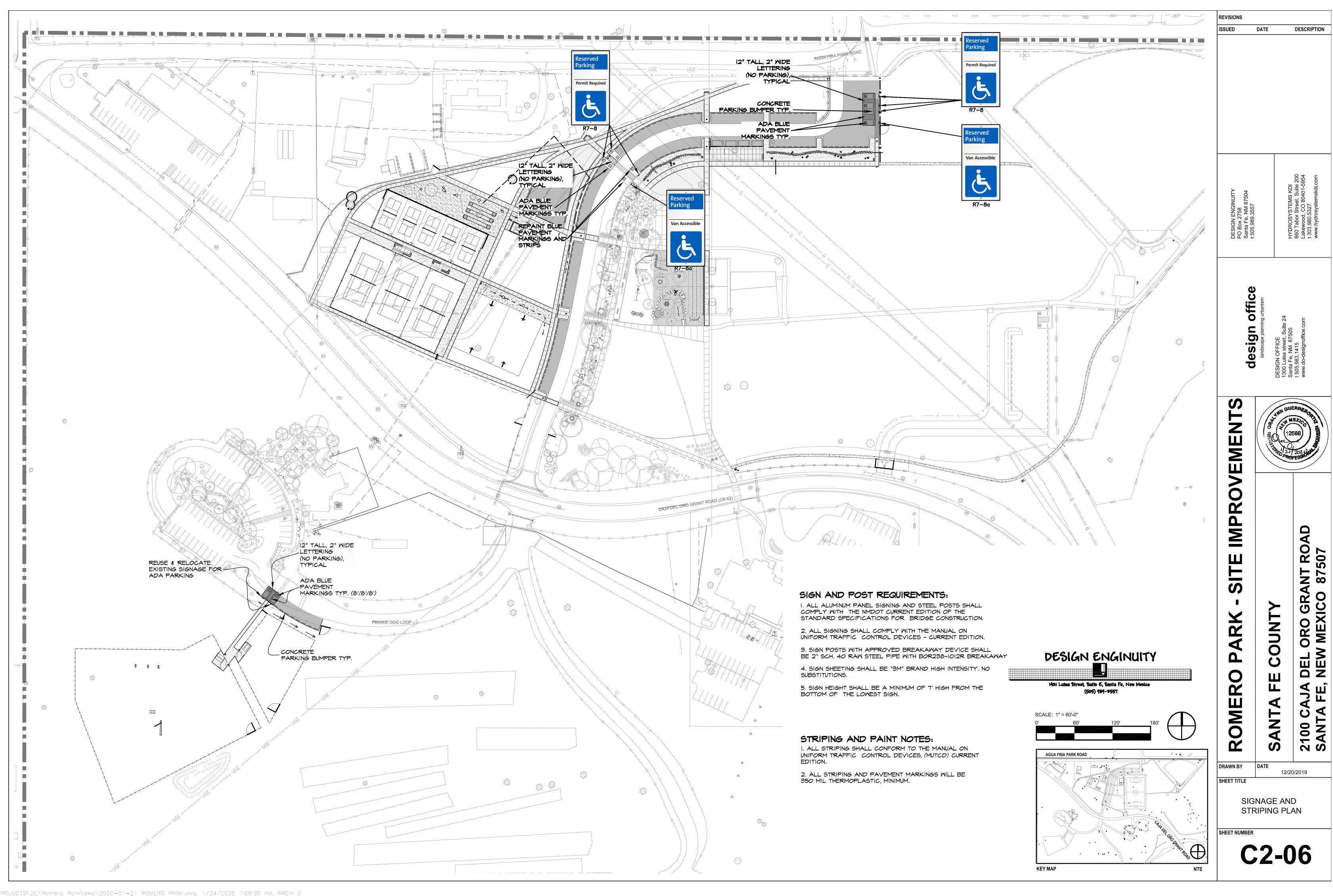
r ROAD DEL ORO GRANT NEW MEXICO 87 COUNTY 2100 CAJA SANTA FE, SANTA 12/20/2019 **GRADING AND DRAINAGE** PLAN CENTRAL SHEET NUMBER **KEY MAP** 

DESCRIPTION









D:\1-PROJECTS\DE\Romero Park\dwg\2020-01-21 ROMERO PARK.dwg, 1/24/2020 7:00:30 AM, ARCH D

<u>GENERAL</u>

- IN GENERAL, ALL CONSTRUCTION, RE-CONSTRUCTION AND REPAIR WORK PERFORMED ON CIVIL INFRASTRUCTURE, SUCH AS ROADS, WATER, IRRIGATION WATER, WASTEWATER, GRADING, DRAINAGE AND EROSION MANAGEMENT SHALL COMPLY WITH THE PROJECT'S SET OF APPROVED CONSTRUCTION DRAWINGS (ACD), IN ADDITION THE FOLLOWING SHALL APPLY: NEW MEXICO STATE DEPARTMENT OF TRANSPORTATION (NMDOT) STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, MASTEMATER; THE AMERICAN MATER MORKS ASSOCIATION (AMMA) STANDARDS FOR MATER SYSTEMS; AND THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1987 EDITION, INCLUDING ALL AMENDMENTS.
- IN THE EVENT OF CONFLICTING REQUIREMENTS ARISING AMONG THESE DOCUMENTS, THE DESIGN ENGINUITY PROJECT ENGINEER (DEPE) SHALL DETERMINE THE MOST RESTRICTIVE REQUIREMENT TO BE FOLLOWED.
- THE OWNER'S PROJECT REPRESENTATIVE (OPR) SHALL BE AN INDIVIDUAL WITH A COMBINATION OF FORMAL TRAINING AND DEMONSTRATED FIELD EXPERIENCE IN MANAGING AND ADMINISTERING THE EXECUTION OF CONSTRUCTION PROJECTS THAT INCLUDE THE INSTALLATION OF PUBLIC INFRASTRUCTURE, IN COMPLIANCE WITH APPROVED DRAWINGS AND ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.
- THE OPR SHALL BE PRESENT ON THE CONSTRUCTION AS OFTEN AS NECESSARY TO ASSURE CONTRACTOR REASONABLY MEETS ALL ACD REQUIREMENTS, WHILE MEETING THE COST AND TIME REQUIREMENTS OF THE CONTRACT. THE OPR AND THE EOR SHALL WORK TOGETHER TO REPRESENT THE OWNER'S BEST INTEREST.
- 5. THE OPR SHALL BE THE PRIMARY POINT OF CONTACT, OR LIAISON BETWEEN THE CONTRACTOR AND THE OWNER.
- NEITHER CONSTRUCTION ACTIVITIES, NOR EQUIPMENT MOBILIZATION SHALL BEGIN ON THE SITE UNTIL A COUNTY DEVELOPMENT PERMIT HAS BEEN PROVIDED TO THE CONTRACTOR.
- THE CONTRACTOR SHALL PROVIDE THE NAME(S) ROLE AND CONTACT INFORMATION, INCLUDING NORMAL AND EMERGENCY PHONE NUMBERS, FOR THE CONTRACTOR'S EMPLOYEE(S) RESPONSIBLE FOR THE CONSTRUCTION WORK. AT LEAST ONE EMERGENCY TELEPHONE NUMBER SHALL BE ACTIVE ON A 24-HOUR, 7-DAYS A WEEK BASIS. THIS INFORMATION SHALL BE UPDATED BY THE CONTRACTOR AS NECESSARY THROUGHOUT THE PROJECT'S EXECUTION PERIOD.
- CONTRACTOR REQUESTS FOR INFORMATION (RFI) SHALL BE SUBMITTED TO THE OWNER'S PROJECT REPRESENTATIVE (OPR) AND DEPE TIMELY AND IN WRITING. CONTRACTOR SHALL ALLOW 24 HOURS FOR THE OPR'S WRITTEN ACKNOWLEDGEMENT OF
- THE DEPE SHALL MAKE EVERY EFFORT TO RESPOND TO THE CONTRACTOR'S RFI WITHIN THE INITIAL 24 HOURS. WHEN THE DEPE ANTICIPATES LONGER THAN 24 HOURS NEEDED TO PREPARE THE RFI RESPONSE, THE DEPE SHALL PROVIDE THE CONTRACTOR, AS SOON AS POSSIBLE, THE ESTIMATED TIME FOR RESPONSE.
- IO. REQUESTS FOR DEVIATIONS FROM ANY PROVISIONS SPECIFIED IN THESE ACD OR THE CONTRACT DOCUMENTS MAY BE CONSIDERED ONLY WHEN THE CONTRACTOR ANTICIPATES IMPROVED OUTCOMES IN COST, TIME AND QUALITY OF THE CONSTRUCTED PROJECT, AS THE PRIMARY RESULT OF IMPLEMENTING DEVIATIONS TO THE ACD, WHILE KEEPING INTACT THE DESIGN'S INTENT.
- CONTRACTOR SHALL SUBMIT ALL PLAN DEVIATION REQUESTS TO THE OPR. NO DEVIATIONS TO THE ACD SHALL PROCEED UNTIL THE CHANGE HAS BEEN APPROVED IN WRITING BY THE OPR
- 2. THROUGHOUT THE PROJECT'S EXECUTION PERIOD, THE CONTRACTOR SHALL MAINTAIN AT THE PROJECT SITE A COPY OF ALL RELEVANT FIELD NOTES, AND THESE SHALL BE MADE AVAILABLE TO THE OPR AT ANY TIME DURING WORKING HOURS. THE UPDATING OF SUCH NOTES AND DRAWINGS SHALL BE DONE AS FREQUENTLY AS NECESSARY, NOT LESS THAN ONCE A WEEK.
- I3. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A NEW MEXICO LICENSED PROFESSIONAL SURVEYOR (NMPS), FOR VERIFICATION OF ALL CRITICAL HORIZONTAL AND VERTICAL CONTROL DATA, AND CERTIFICATION OF RECORD DRAWINGS.
- 14. PRIOR TO THE FINAL ACCEPTANCE OF THE PROJECT, CONTRACTOR SHALL SUBMIT ALL RECORD DRAWINGS AND NOTES TO THE OPR, INCLUDING ANY REVISED CRITICAL X, Y, AND Z DATA. THE RECORD DRAWINGS SHALL BE STAMPED BY AN NMPS AND SUBMITTED FOR REVIEW AND APPROVAL BY THE DEPE.
- 15. INFORMATION SPECIFICALLY STATED IN THESE ACD, OR WHEN THE OPR SPECIFICALLY IDENTIFIES IN THE FIELD, CRITICAL DATA (X, Y, AND Z) RELATED TO WATER VALVES OF ALL KINDS, FIRE HYDRANTS, CULVERT INLET OR OUTLET INVERTS, MANHOLE RIMS, AND DRIVEWAY CLEANANCE BELOW STIEREN DECK SHALL BE COLLECTED BY THE CONTRACTOR'S SURVEYOR TO COMPLETE RECORD DRAWINGS. VOLUME OF DRAINAGE PONDS AND POND OUTLET INVERTS SHALL BE PROVIDED BY THE CONTRACTOR'S SURVEYOR.
- 6. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROTECTION OF SURVEY MONUMENTS OR MARKS. IN THE EVENT THAT ACCIDENTAL DAMAGE IS CAUSED TO THESE MARKS, DURING PROJECT CONSTRUCTION, AN NMLPS RETAINED BY THE CONTRACTOR, SHALL RE-ESTABLISH THE MARKS IN COMPLIANCE WITH STANDARDS AND PROCEDURES SET FORTH BY THE "GEODETIC MARK PRESERVATION GUIDEBOOK". FOR MORE INFORMATION CONTACT NGS MARK PRESERVATION CENTER, NOAA (505) 168-3606. CONTRACTOR SHALL NOT CHARGE THE OWNERS ANY ADDITIONAL COST FOR SUCH REPAIRS.
- CONTRACTOR SHALL CONFINE ALL CONSTRUCTION OPERATIONS TO THE DESIGNATED PROJECT BOUNDARIES SHOWN IN THESE ACD. NO PERSONNEL, MATERIALS, OR EQUIPMENT SHALL EVER ENCROACH ONTO AREAS OUTSIDE SUCH BOUNDARIES, UNLESS 51. UPON FINISHING APPLICATION OF THE FINISH GRADE MATERIAL, CONTRACTOR SHALL ADJUST, AS NECESSARY, THE FINAL SPECIFICALLY AUTHORIZED BY THE OPR, AFTER PROOF OF PROPERLY ACQUIRED EASEMENTS IS SHOWN TO THE OPR BY THE CONTRACTOR.
- 8. EVEN WITHIN THE PROJECT BOUNDARIES, CLEARING AND GRUBBING SHALL BE KEPT TO THE MINIMUM NECESSARY TO EXECUTE SHALL BE MAINTAINED BETWEEN SUCH LINES. ANY DAMAGE ON EXISTING PCC FEATURES (E.G. EXISTING CURB AND GUTTER, THE PROJECT, AND STABILIZATION OF DISTURBED SURFACES SHALL BEGIN AS SOON AS PRACTICAL AFTER INITIATION OF ANY CONSTRUCTION ACTIVITIES.
- 9. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR EROSION CONTROL INCIDENTAL TO THE CONSTRUCTION ACTIVITIES. THE 53. SHADING AND BEDDING MATERIAL SHALL BE TYPE IV, CLASS I FOR DIRECT-BURY-CABLE, AND TYPE IV, CLASS 2 FOR CONTRACTOR SHALL SUBMIT TO THE OPR A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND EVIDENCE OF A FILED NOI 10 DAYS PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY.
- 20. SWPPP SHALL COMPLY WITH THE PROVISIONS OF NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT REQUIREMENTS FOR ALL CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL SWPPP BEST MANAGEMENT PRACTISES AND REQUIRED PAPERWORK. THE SWPPP AND ASSOCIATED PAPERWORK SHALL BE PROVIDED TO THE OPR FOR INSPECTION WHEN REQUESTED.
- AT A MINIMUM, ALL AREAS DISTURBED BY CONSTRUCTION TRAFFIC SHALL BE SPRAYED WITH WATER ON A DAILY BASIS TO CONTROL DUST GENERATION. ADDITIONAL WATER SHALL BE APPLIED ON WINDY DAYS AS NEEDED.
- 2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION OF ALL DISTURBED AREAS FOLLOWING RE-VEGETATION THROUGH THE FIRST GROWING SEASON AFTER COMPLETION OF THIS PROJECT. IN THE EVENT THAT THE REVEGETATION PLAN IMPLEMENTATION HAS NOT BEEN ACCOMPLISHED BEFORE SEPTEMBER I, DUE TO CONSTRUCTION DELAYS, OR BECAUSE DISTURBED SURFACES MUST REMAIN EXPOSED AFTER THIS DATE, THE CONTRACTOR SHALL INSTALL TEMPORARY PROTECTION SUCH AS A COVER CROP OR MULCH TO PREVENT SOIL EROSION, AT NO ADDITIONAL COST TO THE OWNER.
- 23. CONTRACTOR SHALL PROTECT AND MAINTAIN ALL EXISTING STRUCTURES, INCLUDING UNDERGROUND UTILITY CONDUITS LOCATED WITHIN AND WITHOUT THE PROJECT BOUNDARIES, FREE OF DUST AND/OR CONSTRUCTION DEBRIS AT ALL TIMES DURING THE EXECUTION OF THE PROJECT. CLEANING AND FULL RESTORATION OF SUCH STRUCTURES, TO THEIR ORIGINAL CONDITION OR BETTER, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR ALONE, AND ALL RELATED COSTS SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THIS PROJECT.
- 24. OWNERS AND THEIR AGENTS SHALL NOT BE HELD RESPONSIBLE FOR THE COSTS OF REPAIRING ANY DAMAGE OR ALTERATIONS CAUSED DURING EXECUTION OF THIS PROJECT, TO THE ORIGINAL CONDITION OF THIRD PARTY'S PROPERTY (E.G. STRUCTURES, EXISTING UTILITIES OR UTILITY EASEMENTS) LOCATED WITHIN OR WITHOUT THE PROJECT BOUNDARIES.
- WEATHER CONDITIONS.

25. EXISTING ROAD AND DRIVEWAY ACCESSES FOR ADJACENT PROPERTIES SHALL BE MAINTAINED TRAFFICABLE UNDER ALL

- SHOWN ON THESE ACD. 27. OPR SHALL DESIGNATE AN AREA WITHIN THE PROJECT BOUNDARIES FOR THE TEMPORARY STORAGE OF CONSTRUCTION
- DEBRIS AND WASTE. SUCH DEBRIS MAY INCLUDE REMOVED TREES AND BRUSH, AND ANY MATERIALS THAT MAY BE UNEARTHED, WHICH ARE DEEMED NOT SUITABLE FOR REUSE AS CONSTRUCTION MATERIALS ON THIS PROJECT. 28. CONSTRUCTION DEBRIS AND WASTE SHALL BE PREVENTED FROM BEING SCATTERED BY WIND, SURFACE RUNOFF, OR
- ANIMALS (DOMESTIC OR WILD) AND BECOMING A NUISANCE TO ANYONE OUTSIDE THE PROJECT BOUNDARIES
- 29. FROM TIME TO TIME, DEBRIS AND WASTE SHALL BE TRANSPORTED OUT OF THE SITE AND DISPOSED OF PROPERLY, AT A NM STATE APPROVED LANDFILL. CONTRACTOR SHALL SUBMIT CORRESPONDING TIPPING RECEIPTS TO THE OPR, TO ACCOUNT FOR 65. ON-SITE TESTING BY GEOTEST INC. FOUND THAT MOST NATIVE SOILS ARE SUITABLE FOR STRUCTURAL FILL; HOWEVER SOME PROPER WASTE DISPOSAL. THE COST OF CONSTRUCTION WASTE DISPOSAL SHALL BE INCIDENTAL TO THE COST OF PROJECT.
- 30. WASTE THAT REQUIRES SPECIAL HANDLING, UNCOVERED DURING CONTRUCTION ACTIVITIES, AND NOT PREVIOUSLY IDENTIFIED, SHALL BE THE SUBJECT OF CONSIDERATION AS A CHANGE ORDER DUE TO UNKNOWN SUBSURFACE CONDITIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP SPILLS ASSOCIATED WITH THE PROJECT'S CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL REPORT AND PROPERLY RESPOND TO SPILLS OF HAZARDOUS MATERIALS SUCH AS GASOLINE, DIESEL, MOTOR OIL, SOLVENTS, TOXIC AND CORROSIVE SUBSTANCES, AND OTHER MATERIALS WHICH MAY REPRESENT A THREAT TO THE HEALTH AND WELFARE OF HIS WORKERS, THE GENERAL PUBLIC, OR THE ENVIRONMENT.

- 32. CONTRACTOR SHALL REPORT IMMEDIATELY ANY EVIDENCE OF PAST SPILLS ENCOUNTERED DURING CONSTRUCTION ACTIVITIES ON THIS PROJECT. REPORTS SHALL BE MADE TO THE OPR, AS WELL AS TO THE APPROPRIATE STATE AGENCY. CLEAN UP OF ANY UNREPORTED SPILLS THAT MAY HAVE OCCURRED DURING THE CONSTRUCTION OF THIS PROJECT, WHENEVER THEY MAY BECOME EVIDENT, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR
- 33. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROTECTION OF ALL SPECIFIED MATERIALS OR EQUIPMENT, WHETHER IN STORAGE OR INSTALLED, UNTIL FINAL WRITTEN APPROVAL OF THE PROJECT BY THE OPR AND THE COUNTY
- 34. ALL MATERIAL QUALITY TESTS SHALL BE PERFORMED BY A RECOGNIZED LABORATORY. SUCH LABORATORY SHALL BE 2018 EDITION; THE SANTA FE COUNTY WATER UTILITIES (SFCU) CONSTRUCTION NOTES AND STANDARD DRAWINGS ON WATER AND OPERATED UNDER THE AUSPICES/DIRECTION OF AN NMPE. NAME AND CONTACT OF THE LABORATORY SHALL BE SUBMITTED BY THE CONTACTOR TO THE OPR AS SOON AS PRACTICAL AFTER THE CONTRACTOR'S RECEIPT OF THE NOTICE TO PROCEED.
  - 35. IF PROVISIONS FOR A TESTING COST ALLOWANCE HAVE BEEN MADE IN THE CONSTRUCTION CONTRACT FOR TESTING SPECIFICALLY REQUIRED IN THESE ACD, OR REQUIRED BY THE OPR, CONTRACTOR SHALL SUBMIT TESTING LABORATORY INVOICES TO THE OPR FOR REIMBURSEMENT. COST OF RE-TESTING FOR BELOW-STANDARD RESULTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO PAYMENT SHALL BE MADE FOR SUCH.
  - 36. IF THE CONSTRUCTION CONTRACT DOES NOT HAVE A TESTING COST ALLOWANCE, THE COST OF ALL REQUIRED TESTING AND RE-TESTING, FOR EITHER MATERIALS OR INSTALLATION REQUIREMENT COMPLIANCE, SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PROJECT AND SHALL BE BORNE BY THE CONTRACTOR.
  - 37. CONTRACTOR SHALL PROVIDE THE INSTALLATION AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES IN COMPLIANCE WITH THESE ACD. TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE MOST CURRENT EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), BUT MAY BE REVISED UNDER WRITTEN DIRECTION FROM THE COUNTY TRAFFIC ENGINEER.
  - 38. INFORMATION SHOWN FOR EXISTING UTILITIES HAS BEEN INCLUDED ON THESE ACD FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ASSURING THAT EACH UTILITY COMPANY SPOT LOCATES ITS EXISTING UNDERGROUND FACILITIES. CONTRACTOR SHALL CONTACT NEW MEXICO ONE CALL AT (800)321-2537 TO COORDINATE SUCH SPOT LOCATING NO LESS THAN 48 HOURS PRIOR TO INITIATING ANY WORK.

- 39. CONTRACTOR SHALL NOTIFY THE SFCU, AT LEAST FIVE (5) DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE OPERATION OF THE SFCU WATER OR WASTEWATER SYSTEMS.
- 40. UNLESS OTHERWISE INDICATED IN THE ACD, ALL WATER SYSTEM ITEMS SHALL BE MADE OF OR BE FULLY COMPATIBLE WITH DUCTILE IRON OR C-900 SDR-18 PVC, INSTALLED OVER CLASS-D BEDDING OR BETTER, WITH MECHANICAL OR MEGALUG(R) JOINTS, OR THERMALLY FUSED JOINTS AS APPLICABLE. EXCAVATION SHALL ADEQUATELY ACCOMMODATE THE PIPE'S BELL
- 41. ALL WATER VALVES SHALL BE FULL-PORT GATE TYPE, RESILIENT SEATING, MECHANICAL OR MEGALUG(R) JOINTS, US PIPE(R), OR CONSIDERED EQUAL BY THE OPR, AND INSTALLED IN COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS AND 75. CONTRACTOR SHALL OBTAIN A CURB CUT PERMIT FOR EACH SPECIFIC LOCATION SHOWN, FROM THE COUNTY THESE ACD.
- 42. ALL WATER LINES SHALL BE INSTALLED IN EXCLUSIVE TRENCHES, WITH NO OTHER UTILITY LINES (INCLUDING NON-PUBLIC POTABLE WATER), AND AT LEAST 48 INCHES OF COMPACTED BACKFILL COVER
- 43. NO WATER LINE SHALL BE INSTALLED BEFORE THE FINAL GRADE HAS BEEN ACHIEVED WITHIN THE DESIGNATED WATER UTILITY CORRIDOR (ROAD RIGHT OF WAY OR EASEMENT).
- 44. ALL FIRE HYDRANTS SHALL BE SUPPLIED WITH THE TYPE OF THREAD APPROVED BY THE COUNTY FIRE MARSHAL FOR THE PROJECT LOCATION. EACH INSTALLED HYDRANT SHALL HAVE A PAINTED NUMBER SUPPLIED BY THE COUNTY WATER UTILITY INSTALLED. HYDRANTS SHALL HAVE A MINIMUM HORIZONTAL CLEARANCE OF 7-FOOT RADIUS AROUND THEM.
- 45. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE DISINFECTION, CHLORINATION, CHLORINE RESIDUAL TESTING, AND LEAK INTEGRITY (PRESSURE) TESTING OF ALL DOMESTIC WATER PIPES INSTALLED, OR ANY EXISTING DOMESTIC WATER LINES THAT MAY HAVE BEEN AFFECTED BY THE PROJECT'S CONSTRUCTION. OPR SHALL WITNESS ALL SUCH TESTING.
- 46. LOCATE WIRES OR OTHER COUNTY-APPROVED UNDERGROUND UTILITY MARKERS SHALL BE INSTALLED FOR ALL WATER AND SEWER LINES INCLUDING SERVICE LINES. COMPLIANCE WITH THIS REQUIREMENT SHALL BE VERIFIED BY THE OPR PRIOR TO INSTALLING PAVEMENT AND/OR CONCRETE.
- 47. SANITARY SEWER (SAS) LINES SHALL BE PVC SDR 35 OR AS APPROVED EQUIVALENT BY THE DEPE, INSTALLED ON CLASS D BEDDING OR BETTER, AND WITH MINIMUM 3-FOOT OF COMPACTED BACKFILL COVER (I.E., 3-FOOT ABOVE THE PIPE).
- 48. ALL GRAVITY SEMER LINE SEGMENTS BETWEEN MANHOLES, INCLUDING ANY SAS SERVICE LINES WITHIN THE SEMER UTILITY CORRIDOR, SHALL BE FLUSHED AND PRESSURE-TESTED BY THE CONTRACTOR BEFORE THEIR INSTALLATION CAN BE DEEMED COMPLETE BY THE OPR.
- 49. CONTRACTOR SHALL COORDINATE WITH THE OPR SO THAT THE OPR IS PRESENT FOR PRESSURE TESTING OF ALL PIPELINES AND UNDERGROUND VESSELS.
- 50. ALL DRAINAGE PIPELINES OR CULVERTS SPECIFIED IN THESE ACD AS CORRUGATED METAL PIPE OR "CMP" SHALL HAVE A MINIMUM 16-GAUGE, AND MINIMUM 12-INCH BURY. ALL PVC DRAIN PIPES SHALL BE SCHEDULE 40.
- ELEVATION OF ALL DRAIN GRADES, MANHOLE AND VALVE RIMS TO SUCH FINISH GRADE.
- 52. ALL UTILITY LINES SHALL BE BORED UNDER ANY EXISTING PCC FEATURES, AND A MINIMUM OF 12 INCHES OF SEPARATION SIDEWALK), RESULTING FROM CONSTRUCTION ACTIVITIES ON THIS PROJECT, SHALL BE REPAIRED BY THE CONTRACTOR AT CONTRACTOR'S EXPENSE, BEFORE FINAL ACCEPTANCE.
- CABLE-IN-CONDUIT INSTALLATION. TYPE III MATERIAL SHALL BE CONSIDERED SUITABLE FOR EITHER TYPE OF INSTALLATION.
- 54. IF TRENCH-RUN MATERIAL MEETS BACKFILL MATERIAL REQUIREMENTS, 3-INCH BEDDING MAY BE OMITTED, PROVIDED THAT THE TRENCH BOTTOM IS SMOOTH, FLAT, AND WITHOUT SURFACE IRREGULARITIES.
- 55. SEPARATION BETWEEN JACKETED PRIMARY AND COMMUNICATION CABLES SHALL BE AT LEAST 12 INCHES.
- 56. WARNING TAPE SHALL BE PLACED A MINIMUM 12 INCHES ABOVE THE UPPER LEVEL OF UTILITIES AT THE CENTER OF THE
- 57. A COMPLETION LETTER, WRITTEN BY EACH UTILITY COMPANY WHOSE STRUCTURES/CONDUITS ARE AFFECTED DURING THE EXECUTION OF THE PROJECT, SHALL BE DELIVERED BY THE CONTRACTOR TO THE OPR BEFORE PAVING.
- 58. BURIED VESSELS, SUCH AS WATER STORAGE TANKS OF ANY KIND, SHALL BE INSTALLED IN STRICT COMPLIANCE WITH RECOMMENDATIONS PUBLISHED BY THE VESSEL MANUFACTURER FOR THE SPECIFIC APPLICATION. AT THE VERY MINIMUM, ALL VESSELS SHALL BE BEDDED ON 24 INCHES OF 1/4" DIAMETER CRUSHED GRAVEL. FOR CYLINDRICAL TANKS, DEPTH OF GRAVEL WILL REACH THE "8 O'CLOCK" AND "4 O'CLOCK" MARKS ON THE TANK. CLASSIFIED BACKFILL SHALL BE PLACED ABOVE THAT ELEVATION.
- 59. AT THE POINT OF CONNECTION BETWEEN BURIED VESSELS AND PIPES, FLEXIBLE COUPLINGS (VICTAULIC/U+00ae OR EQUAL) SHALL BE INSTALLED, UNLESS SPECIFICALLY REQUIRED OTHERWISE IN THESE ACD.
- 60. OVER-EXCAVATION OF TRENCHES SHALL NOT BE ACCEPTABLE, UNLESS THE OPR PROVIDES WRITTEN AUTHORIZATION FOR THE CONTRACTOR TO DO SO, TO ADDRESS PREVIOUSLY UNKNOWN SUBSOIL CONDITIONS WHICH WOULD BE UNSUITABLE FOR FOUNDATION OR PIPELINE BEDDING.
- 61. CONTRACTOR SHALL REMEDY AND REPAIR, AT THE CONTRACTOR'S EXPENSE, ANY ACCIDENTAL OVER-EXCAVATION PERFORMED BY CONTRACTOR'S CREWS, BY INSTALLING AND COMPACTING CLASSIFIED FILL IN COMPLIANCE WITH CLASS-D BEDDING OR BETTER.
- 26. NO ALTERATION OR MODIFICATION SHALL BE PERMITTED ON ANY DRAINAGE WAY OR ARROYO, UNLESS IT IS SPECIFICALLY 62. ALL CUT AND FILL SLOPE, INCLUDING SETBACK REQUIREMENTS SHALL COMPLY WITH THESE ACD, APPLICABLE PROVISIONS OF THE COUNTY CODES, AND 2009 IBC SECTION 1804.3 FOR SITE GRADING. WHEN IN CONFLICT, PROVISIONS OF THE COUNTY CODE SHALL PREVAIL, AS DETERMINED BY THE OPR.
  - 63. AFTER CLEARING, THE SOIL SHALL BE MOISTURE CONDITIONED AND DENSIFIED AS NOTED BELOW PRIOR TO PLACEMENT OF BACKFILL OR CONSTRUCTION.
  - 64. EXPOSED NATIVE SOILS SHALL BE SCARIFIED TO A DEPTH OF 12-INCHES, MOISTURE CONDITIONED TO THE OPTIMUM MOISTURE CONTENT AND COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY AS DETERMINED IN ACCORDANCE WITH ASTM D-1557. THE MOISTURE CONTENT OF THE NATIVE SOILS SHOULD BE AT OR ABOVE THE OPTIMUM MOISTURE CONTENT.
  - ON-SITE BLENDING IS REQUIRED. ALL STRUCTURAL FILL OR BACKFILL SHALL BE FREE OF VEGETATION AND DEBRIS AND CONTAIN NO ROCKS LARGER THAN 3-INCHES. GRADATION OF BACKFILL MATERIAL, AS DETERMINED IN ACCORDANCE WITH ASTM D-422 SHOULD BE AS FOLLOWS: 3-INCH: IOO% PASSING; NO. 4: 60-IOO% PASSING; AND NO. 200: IO-35% PASSING. THE PLASTICITY INDEX SHOULD BE NO GREATER THAN 15 WHEN TESTED IN ACCORDANCE WITH ASTM D-4318.
  - 66. FILL OR BACKFILL SHALL BE PLACED IN 8-INCH LOOSE LIFTS IF COMPACTED WITH APPROVED EQUIPMENT AND 4-INCH LOOSE LIFTS IF HAND HELD COMPACTION EQUIPMENT IS USED. EACH LIFT SHOULD BE FIRM AND NON-YIELDING. ALL FILL OR BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AND WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT, AS DETERMINED IN ACCORDANCE WITH ASTM D-1557

67. CONTRACTOR SHALL OBTAIN ONE SET OF BACKFILL DENSITY TESTS FOR THE FOLLOWING: EVERY 100 FEET FOR EVERY LIFT OR EVERY 1.5 FEET WHICHEVER RESULTS IN THE GREATEST NUMBER OF TESTS; WITHIN TWO (2) HORIZONTAL FEET OF ANY PCC OR OTHER MATERIAL STRUCTURES (E.G., MANHOLES, FOUNDATIONS, TANKS); BENEATH ALL MANHOLE BASES OR CONCRETE FOUNDATIONS; FOR EVERY LIFT FOR EVERY 500 LINEAR FEET OF TRENCH BACKFILL; OR FOR EACH 500 CUBIC YARDS OF FILL OF SIMILAR MATERIAL APPLIED OR FOR EACH DAY OF COMPACTION WORK, WHICHEVER RESULTS IN THE GREATEST NUMBER OF TESTS. TEST RESULTS SHALL BE SUBMITTED BY THE LABORATORY DIRECTLY TO THE OPR. FIELD TEST REPORTS SHALL BE SUBMITTED TO THE OPR, AT THE TIME OF FIELD TESTING.

- 68. SUBGRADE, BASE MATERIAL, ASPHALT-TREATED BASE, AND ASPHALT SURFACE COURSE (MARSHALL) SHALL BE TESTED FOR COMPACTION EVERY IOO LINEAR FEET OF ROADWAY. IN ADDITION, ONE ASPHALT SAMPLE SHALL BE TAKEN FOR EVERY 500 TONS INSTALLED, OR ONCE A DAY, IF LESS THAN 500 TONS ARE INSTALLED. SAMPLES SHALL BE TESTED AND THE RESULTS SENT BY THE LAB DIRECTLY TO THE OPR.
- 69. BASECOURSE SHALL BE COMPACTED TO MINIMUM 95% OF THE MAXIMUM DENSITY PER AASHTO, T-180 MODIFIED MOISTURE DENSITY TEST. SUBGRADE BENEATH ASPHALT, CONCRETE, CURBS AND GUTTERS, SIDEWALKS, PATHS AND DRAINAGE FACILITIES SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY AND WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT, AS DETERMINED IN ACCORDANCE WITH ASTM D-1557.
- 70. ALL MATERIAL QUALITY (PCC, BASECOURSE, ASPHALT, ETC.) TEST RESULTS SHALL BE SUBMITTED BY THE LABORATORY DIRECTLY TO THE OPR. RESULTS SHALL BE SUBMITTED WITHIN SEVEN (7) DAYS AFTER MATERIAL QUALITY TESTING IS COMPLETE, UNLESS OTHERWISE DIRECTED DURING PRE-CONSTRUCTION MEETING.
- 71. FILL MATERIAL SHALL MEET NM DOT SPECIFICATIONS FOR DIVISION 200
- 72. BASECOURSE SHALL MEET GRADATION REQUIREMENTS SPECIFIED IN TABLE 304, AND ASPHALT AGGREGATE SHALL MEET GRADATION REQUIREMENTS SPECIFIED IN TABLE 423 SP-IV, NMDOT'S STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION.
- 73. ALL PORTLAND CEMENT CONCRETE (PCC) SPECIFIED IN THESE ACD SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 1,500 PSI AT 7 DAYS, AND OF 3,000 PSI AT 28 DAYS. IN ADDITION, CONCRETE SHALL HAVE 7-BAGS OF PORTLAND CEMENT PER CUBIC YARD OF CONCRETE (7-BAG MIX), PLUS MAXIMUM 3/4-INCH AGGREGATE SIZE, WITH AIR ENTRAINMENT BETWEEN 4% AND 7% AT DELIVERY TIME. ONE SAMPLE SET SHALL BE CONDUCTED FOR EACH 500 LINEAR FEET (E.G. CURB AND GUTTER), 50 CUBIC YARDS CAST, OR ONE SET PER DAY OF CASTING, WHICHEVER IS MOST RESTRICTIVE IN THE OPINION OF THE OPR. PCC CYLINDERS SHALL BE TESTED AT 1, 28 AND 56-DAY INTERVALS. THE LATTER INTERVAL MAY BE WAIVED IF SPECIFIED STRENGTH HAS BEEN REACHED AS DEMONSTRATED BY AN EARLIER TEST. ALL TEST RESULTS SHALL BE SUBMITTED BY THE TESTING LABORATORY DIRECTLY TO THE OPR.
- 74. CONTRACTOR SHALL SUBMIT TO THE OPR ASTM OR AASHTO CERTIFICATES OF MATERIALS' COMPLIANCE, NO LESS THAN 5 DAYS PRIOR TO INITIATING ANY MORK INVOLVING SUCH MATERIALS.
- TRAFFIC ENGINEER. PERMITS ARE REQUIRED FOR ALL CURB CUTS IN COUNTY RIGHTS OF WAY AND ROAD EASEMENTS. DRIVEWAYS NOT SHOWN ON THESE ACD SHALL NOT BE ALLOWED, PRIOR TO SPECIFIC PERMITS BEING GRANTED BY THE COUNTY.
- 76. ACTUAL TOP OF SURFACE AT CURB AND GUTTER SHALL NOT DEVIATE FROM SPECIFIED ANY MORE THAN 1/8-INCH IN 10 FEET. INSIDE FACE OF CURB SHALL NOT DEVIATE MORE THAN 1/4-INCH IN 10 FEET FROM A STRAIGHT LINE.
- 77. OPR SHALL VERIFY THAT ALL PAVEMENT, BASECOURSE PARKING AREAS, SIDEWALK, AND CURB AND GUTTER SHOMS POSITIVE WATER FLOW, PRIOR TO FINAL ACCEPTANCE. ANY AREAS THAT FAIL SUCH A TEST SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- 78. BORROW MATERIAL, CONSTRUCTION WASTE, VEGETATIVE DEBRIS, ETC. SHALL NOT BE PLACED IN WETLAND AREAS OR ANY AREAS WHERE THEY MAY AFFECT ENDANGERED SPECIES OR ARCHAEOLOGICAL RESOURCES IN ANY WAY.
- 79. ALL WORK PERFORMED IN THE VICINITY OF EXISTING STREAMS, WATER IMPOUNDMENTS, WETLANDS, DRINKING OR IRRIGATION WATER SOURCES SHALL BE PERFORMED IN SUCH MANNER AS TO MINIMIZE VEGETATION DAMAGE OR REMOVAL, AS WELL AS SOIL EROSION.
- 80. CONSTRUCTION EQUIPMENT'S CROSSINGS OF EXISTING STREAMS, WHETHER THE STREAMS ARE EPHEMERAL OR PERENNIAL, SHALL BE MINIMIZED. REFUELING OPERATIONS AND CONCRETE DUMPING IN THE VICINITY OF ANY BODY OF WATER SHALL BE STRICTLY PROHIBITED.
- 81. ALL AREAS DISTURBED BY THE CONSTRUCTION ACTIVITIES OF THIS PROJECT, INCLUDING ANY TEMPORARY ACCESS ROADS, SHALL BE RESTORED IN ACCORDANCE WITH THE LANDSCAPING PLANS.
- 82. SLOPES SPECIFIED IN THESE ACD ARE EXPRESSED IN TERMS OF THE HORIZONTAL RUN VERSUS THE VERTICAL RISE OF THE GROUND'S SURFACE (H:V).
- 83. SLOPES EXCEEDING 3:1 SHALL BE HYDROSEEDED AND COVERED WITH NORTH AMERICAN GREEN C125 EROSION CONTROL BLANKET MADE OF COCONUT FIBER WITH A FUNCTION LONGEVITY OF 36 MONTHS, OR OPR APPROVED EQUAL.
- 84. ALL TOP SOIL WHICH MUST BE REMOVED OR DISTURBED DURING CONSTRUCTION SHALL BE SAVED AND STOCKPILED AT A LOCATION DESIGNATED BY THE OPR.
- 85. RESEEDING AND STABILIZATION OF DISTURBED AREAS SHALL BE DONE IN ACCORDANCE WITH THE LANDSCAPING
- 86. CONCRETE PARKING BUMPERS WILL BE PRECAST STEEL REINFORCED CONCRETE WITH A COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS AND AIR ENTRAINED TO 5 TO 7%. UNITS TO BE 6-INCHES HIGH, 8-INCHES WIDE AND 6-FEET LONG AND OF UNIFORM SHAPE, SIZE AND FINISH WITH MANUFACTURE'S STANDARD CROSS SECTION WITH SLOPED VERTICAL FACES, SQUARE ENDS AND DRILLED OR SLEEVED FOR TWO DOWELS. FASTEN EACH UNIT IN PLACE PER ACD WITH TWO 24-INCH UNFINISHED STEEL DOWELS, 1/2-INCH DIAMETER, POINTED TIP CONFORMING TO ASTM A615. SEAL ANNULAR SPACE AROUND HOLE WITH GROUT OR SEALANT.

#### DISCLAIMERS

- THE CONTRACTOR SHALL REPORT TO THE OPR ANY UNANTICIPATED CONDITION THAT, IN THE OPINION OF THE CONTRACTOR, MAY SIGNIFICANTLY AFFECT THE CONTRACT TIME OR COST. THE DESIGN ENGINEER SHALL NOT BE RESPONSIBLE OR OTHERWISE LIABLE FOR ANY DAMAGE, CONSTRUCTION DELAYS, OR LOSS THAT OCCURS AS A RESULT OF UNANTICIPATED SUBSOIL CONDITIONS.
- 2. INFORMATION SHOWN ON THESE ACD REGARDING THE LOCATION OF EXISTING UNDERGROUND UTILITY LINES AND STRUCTURES, WAS PROVIDED BY TO THE BEST OF THE DEPE'S KNOWLEDGE BASED ON WORK BY OTHERS AND SHOULD BE CONFIRMED BY THE CONTRACTOR. THE DESIGN ENGINEER SHALL NOT TAKE RESPONSIBILITY FOR ANY INFORMATION FOUND TO BE ERRONEOUS OR INCOMPLETE, NOR SHALL THE ENGINEER BE HELD RESPONSIBLE OR OTHERWISE LIABLE FOR ANY DAMAGES, CONSTRUCTION DELAYS OR LOSSES THAT MAY RESULT FORM SUCH INFORMATION.
- OWNERS OR THEIR AGENTS, INCLUDING THE DESIGN ENGINEER AND OPR SHALL NOT BE HELD RESPONSIBLE FOR ANY LOSS OR DAMAGE RESULTING FROM CONTRACTOR'S FAILURE TO TIMELY NOTIFY, AND SUBSEQUENTLY FOLLOW THE PEDE OR OPR'S RECOMMENDATIONS WITH REGARD TO ANY APPARENT OR ACTUAL ERRORS, OMISSIONS, INCONSISTENCIES, AMBIGUITIES, OR CONFLICTS FOUND IN THESE ACD.
- 4. DESIGN ENGINEER SHALL NOT BE HELD RESPONSIBLE OR LIABLE FOR LOSS OR DAMAGE RESULTING FROM THE CONTRACTOR'S FAILURE TO FOLLOW REQUIREMENTS, SPECIFICATIONS AND DESIGN INTENT OF THESE ACD.
- THE ACD AND ALL ENGINEERING DESIGN ASSUMPTIONS AND CALCULATIONS ARE BASED ON DATA (E.G. SURVEY WORK) SUPPLIED BY THE OWNERS OR THEIR AGENTS ON BEHALF OF THE OWNERS. THEREFORE, THE DESIGN ENGINEER SHALL NOT BE HELD LIABLE OR OTHERWISE RESPONSIBLE FOR ANY LOSS, DAMAGE, ERRORS AND OMISSIONS THAT MAY RESULT FROM HAVING RELIED AND APPLIED SUCH DATA DURING THE PROJECT'S DESIGN.

DESIGN ENGINUITY 1421 Luisa Street, Suite E, Santa Fe, New Mexico (505) 181-3551

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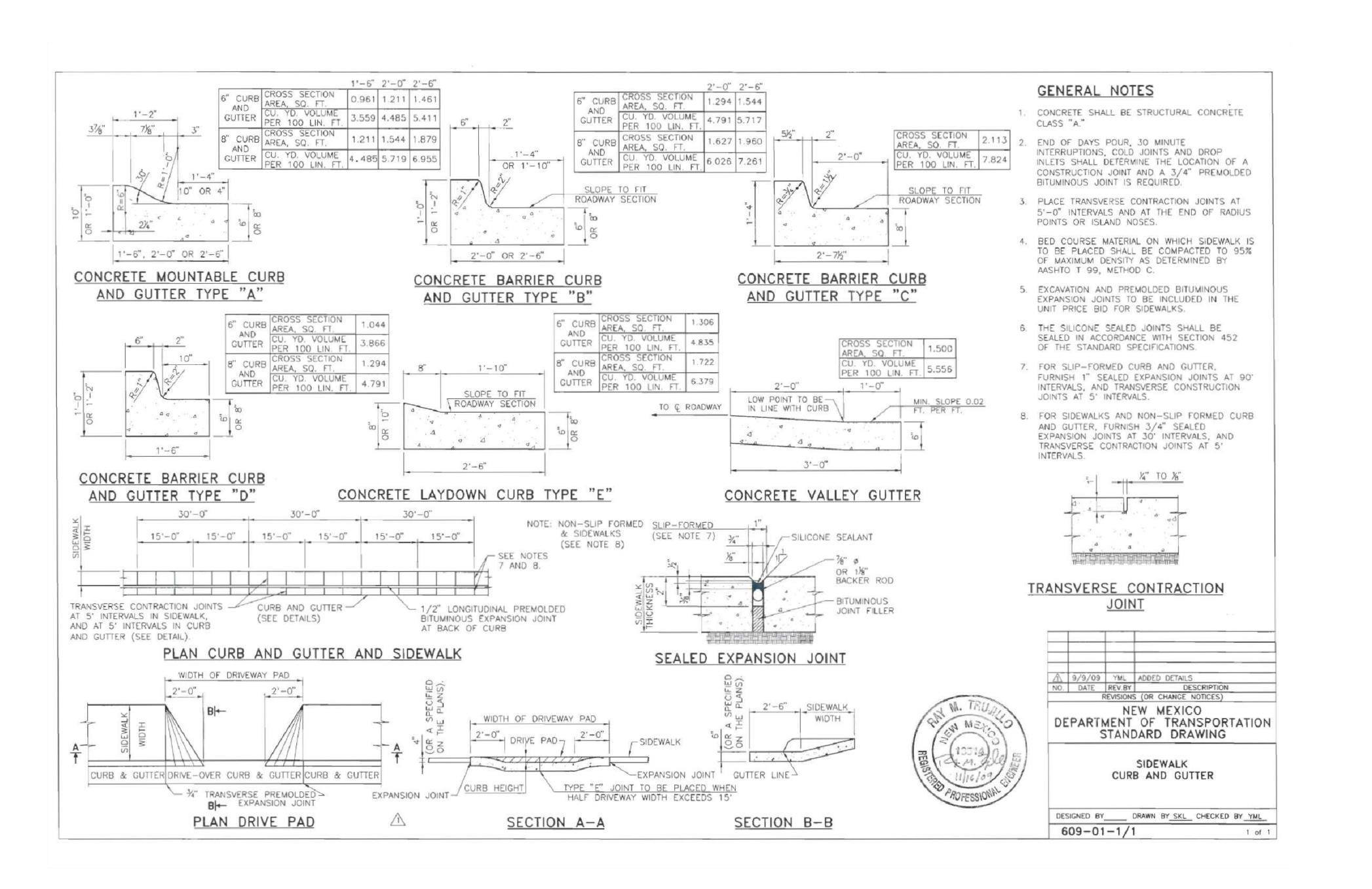
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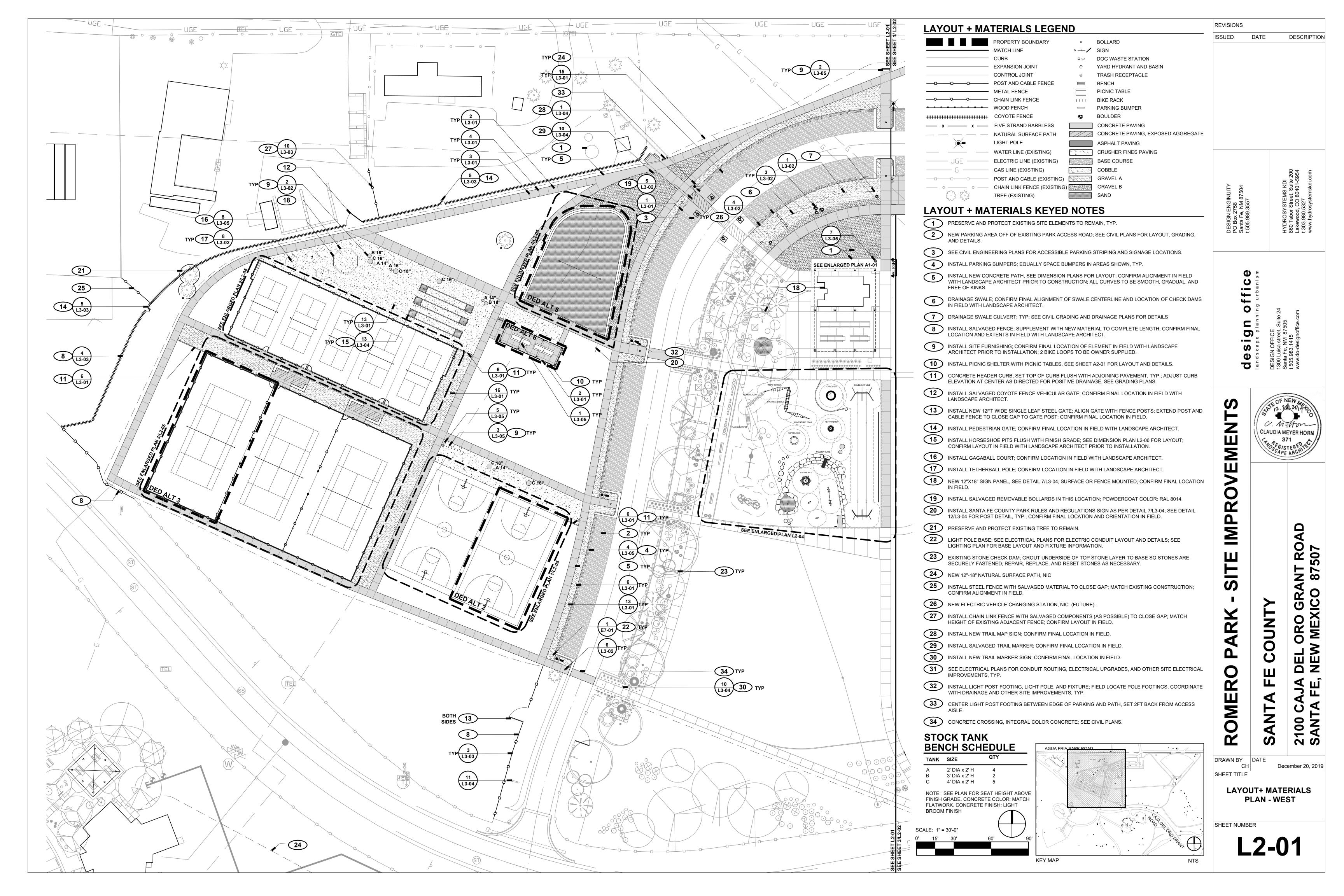
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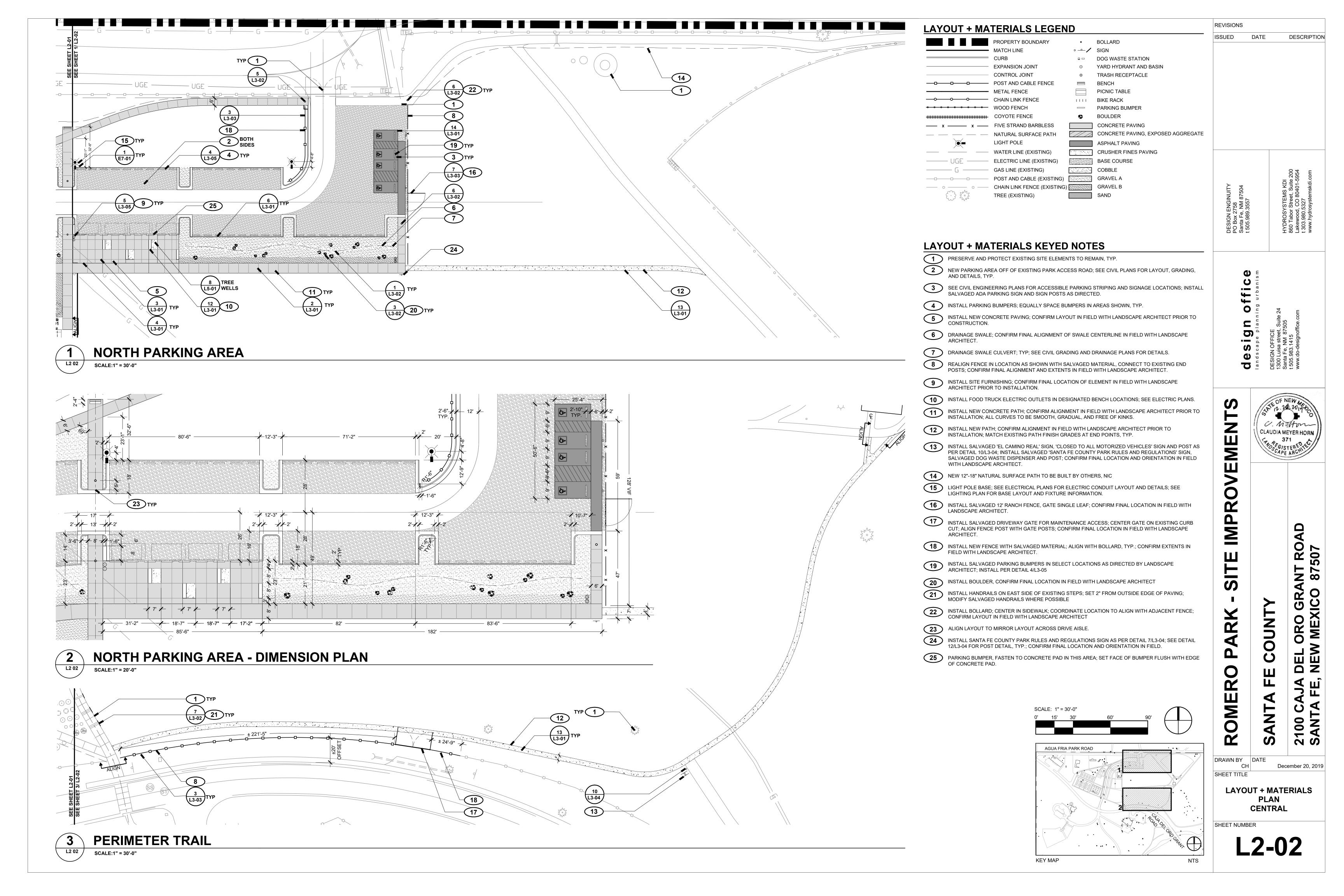
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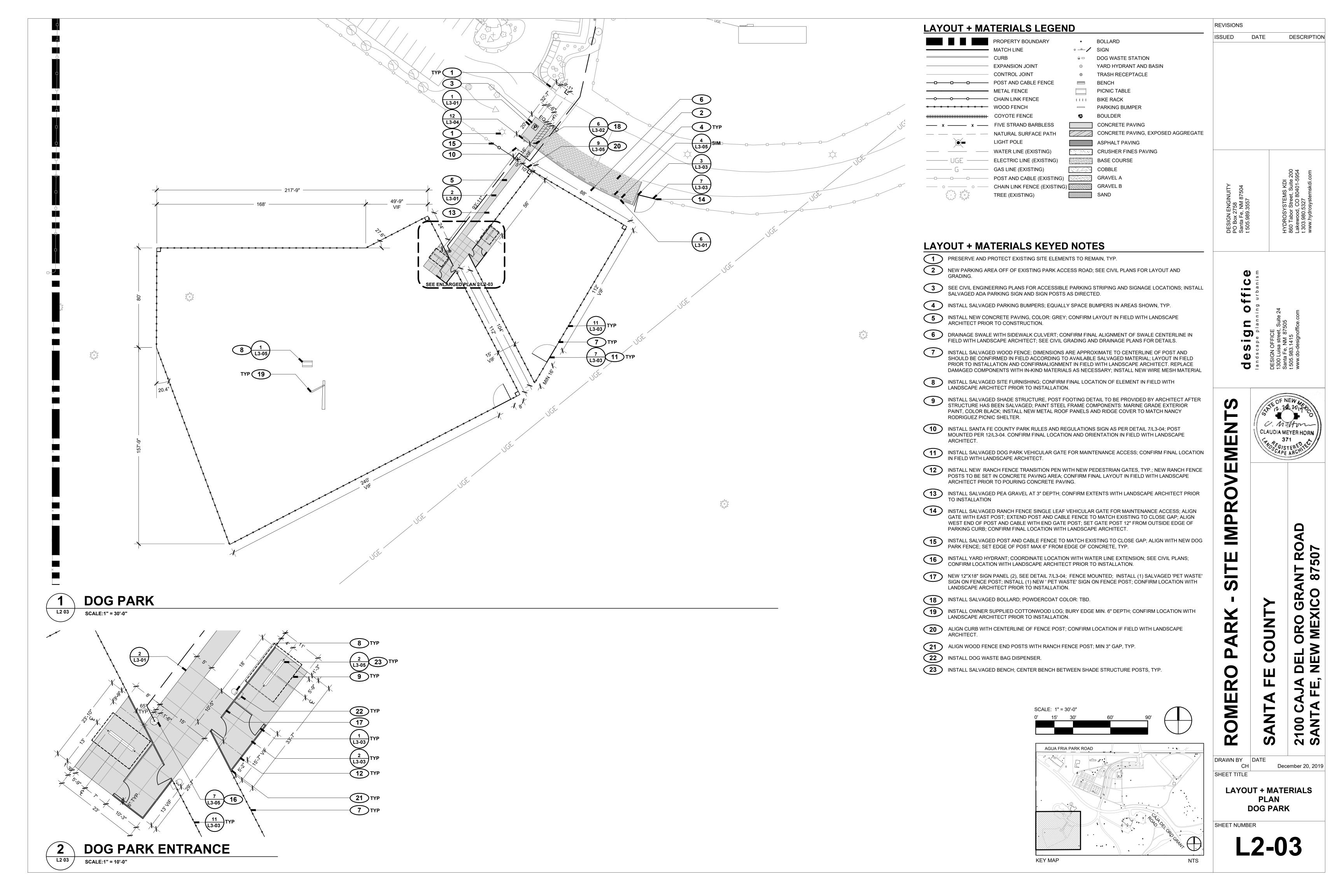
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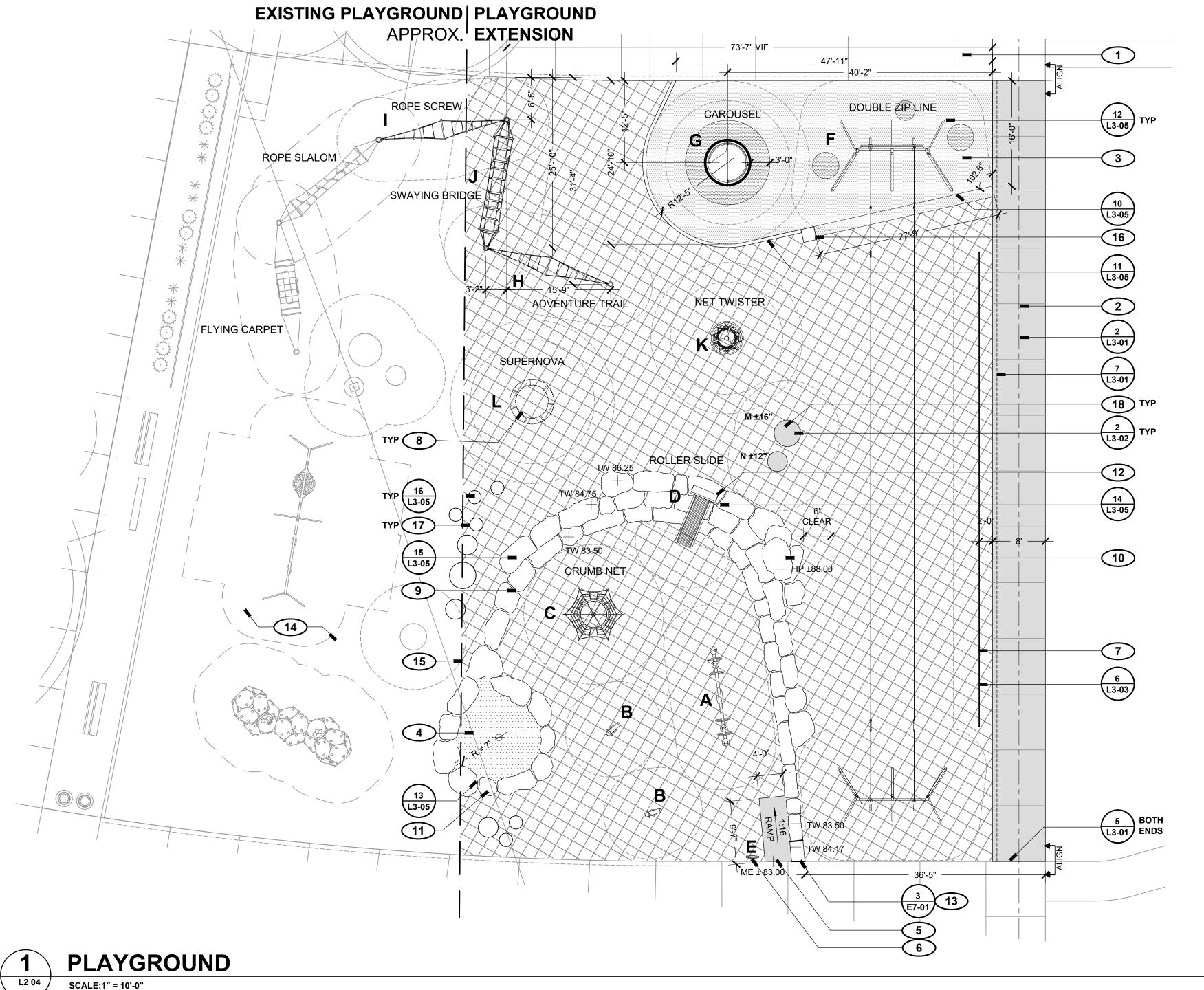
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#### PLAY FOLLIPMENT SCHEDLILE: 2-5 YEAR OLD PLAYGROUND

PLAT EQUIPMENT SCHEDULE. 2 - 3 TEAR OLD PLATGROUND					
ITEM	MANUFACTURER	MODEL NAME	MODEL NO.	QTY.	COLORS
Α	TIMBERFORM	TANDEM SPRING RIDER SEESAW	3870-4-E	1	FRAME / HANDLES: REGAL BLUE SEATS: BLACK
В	TIMBERFORM	LOGGIE SPRING RIDER	3886-01-E	2	FRAME: REGAL BLUE SEAT: DOUGLAS FIR
С	KOMPAN	CRUMB NET	COR24301	1	FRAME / POST: GALVANIZED ROPE: ULTRA MARINE BLUE RUBBER PLATFORM: BLACK
D	LANDSCAPE STRUCTURES	ROLLERSLIDE (40") W/ CUSTOM DECK, 2-BAR TRANSITION BAR (NO HOOD)	123337	1	FRAME / POST: METALLIC SILVER ROLLERS: BLUE DECK: BLUE
E	KOMPAN	AGE APPROPRIATE SIGN: 2-5 YEARS OLD	M21101	1	FRAME: GALVANIZED

#### PLAY EQUIPMENT SCHEDULE: 5 - 12 YEAR OLD PLAYGROUND

<u> </u>	AI EQUII MENT	SCHEDULE. 3 - 12 1	LAN OLD		AIGNOOND
ITEM	MANUFACTURER	MODEL NAME	MODEL NO.	QTY.	COLORS
F	KOMPAN	DOUBLE CABLEWAY METAL - SLOPED	M88101	1	POST: GALVANIZED SEAT: BLACK
G	KOMPAN	CAROUSEL	KPL123	1	BARS: LIGHT BLUE (RAL 5012) SEAT: BLACK HPL FLOOR: METAL
Н	KOMPAN	ADVENTURE TRAIL	COR1515	1	POST: GALVANIZED ROPE: RED
I	KOMPAN	ROPE SCREW	COR1507	1	POST: GALVANIZED ROPE: RED
J	KOMPAN	SWAYING BRIDGE	COR1501	1	POST: GALVANIZED ROPE: RED
K	KOMPAN	NET TWISTER	COR203001-1101 IG110	1	POST / FRAME: GALVANIZED ROPE: RED
L	KOMPAN	SUPERNOVA	GYX960012 IG60/90	1	POST: GALVANIZED RING: NIGHT SKY BLUE
M	TARTER (OR OTHER)	STOCK TANK, 4'W x 2'H	-	1	GALVANIZED
N	TARTER (OR OTHER)	STOCK TANK, 3'W x 2'H	-	1	GALVANIZED

- 1. KOMPAN AGILITY NET PLAY COMPONENTS (ITEMS H, I, J) WILL CONNECT TO AN EXISTING AGILITY SYSTEM; ONLY 1 POST PER
- 2. KOMPAN DOUBLE CABLEWAY (ITEM F) CABLE NEEDS TO BE SHORTENED TO FIT WITHIN THE EXISTING 118' LENGTH SPACE. VERIFY
- EXISTING CONDITIONS ALLOWABLE SPACE PRIOR TO ORDERING. 3. STOCK TANKS (ITEMS M,N) CONCRETE SHALL HAVE A LIGHT BROOM FINISH TO MATCH EXISTING.

#### LAYOUT + MATERIALS LEGEND

	CURB
	EXPANSION JOINT
	CONTROL JOINT
<del></del>	METAL FENCE
	CONCRETE PAVING
	RESILIENT SURFACING - BASE COLOR
	RESILIENT SURFACING - ACCENT COLOR
	ENGINEERED WOOD FIBER
	DI VA CVIU

#### **PLAYGROUND KEYED NOTES**

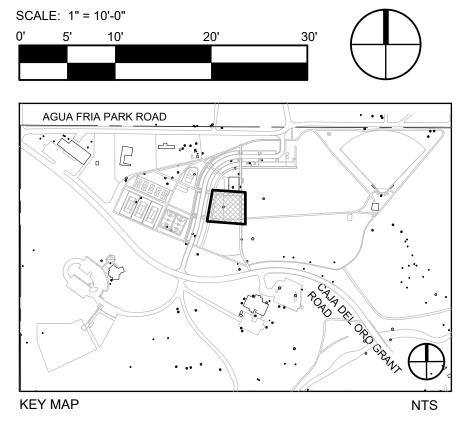
- PRESERVE AND PROTECT EXISTING SITE ELEMENTS TO REMAIN, TYP.
- 2 INSTALL NEW CONCRETE PATH; MATCH FINISH SURFACE GRADES AT CONNECTIONS TO EXISTING CONCRETE
- 3 INSTALL POURED-IN-PLACE RESILIENT RUBBER SURFACE; BASE COLOR: TURQUOISE BLUE, ACCENT COLOR: MEDIUM GRAY; SURFACE ADJACENT TO CAROUSEL TO BE FLEXGROUND XTREME SURFACING; SET SURFACE FLUSH WITH ADJACENT CONCRETE ON EDGES ADJACENT TO CONCRETE SURFACING. CONFIRM FINAL LAYOUT IN FIELD; COORDINATE WITH PLAY EQUIPMENT SAFETY ZONES AND PLAY EQUIPMENT MANUFACTURER'S TECHNICAL SPECIFICATIONS, TYP.
- EXISTING SUBGRADE SEWER LINE IN THIS APPROXIMATE LOCATION; PROTECT EXISTING UTILITY AND NOTIFY LANDSCAPE ARCHITECT IF MODIFICATIONS TO THE PLAYGROUND LAYOUT ARE NECESSARY TO KEEP REQUIRED CLEARANCES TO EXISTING UTILITIES.
- INSTALL ACCESSIBLE CONCRETE RAMP, INTEGRAL COLORED CONCRETE TO MATCH ADJACENT PAVING; MATCH FINISH GRADE OF SIDEWALK AT CONNECTION, TYP.
- 6 PLAYGROUND RULES SIGN, 2-5 YEAR OLD; CONFIRM FINAL LOCATION / ORIENTATION IN FIELD WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- 7 INSTALL PIPE FENCE; SET PARALLEL WITH ADJACENT SIDEWALK OUTSIDE SAFETY ZONE; CONFIRM LOCATION OF END POINTS WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- 8 PLAY ELEMENT, TYP; CONFIRM FINAL PLACEMENT AND FINISH GRADE OF PLAY ELEMENT IN FIELD WITH
- 9 DOULDER ROCK RETAINING / CLIMBING WALL, 3 LEVELS; BUTT JOINTS AND MORTAR WHERE NECESSARY TO PREVENT SAFETY SURFACE MIGRATION. STAKE LAYOUT IN FIELD AND CONFIRM WITH LANDSCAPE ARCHITECT PRIOR TO SETTING ROCKS; PROVIDE SUFFICIENT CLEARANCE TO PLAYGROUND EQUIPMENT SAFETY ZONES, TYP.
- BOULDER HILL / HIGH POINT; FIRMLY ANCHOR TOP ROCKS TO LOWER ONES TO STABILIZE ROCKS.
- BOULDER-EDGED SANDBOX; ADJUST AND CONFIRM LAYOUT IN FIELD ACCORDING TO FINISH ROCK SELECTIONS; BUTT JOINTS AND MORTAR JOINTS, TYP.
- (12) ROLLERSLIDE SET ROLLERSLIDE POSTS IN BOULDER ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- CONCRETE BENCH (APPROX 2' WIDTH X 3' LENGTH) ADJACENT TO RAMP, MATCH COLOR TO RAMP CONCRETE; CONFIRM FINAL WIDTH OF CONCRETE TO COORDINATE WITH BOULDER ROCK WALL; SET RECESSED ELECTRIC OUTLETS IN CONCRETE ON EAST SIDE FOR EVENTS / MOVIES, CONFIRM LOCATION; SEE ELECTRICAL PLANS FOR CONDUIT LOCATIONS AND DETAILS.
- ADD COVER LAYER OF ENGINEERED WOOD FIBER ON EXISTING PLAYGROUND AREA.
- INSTALL NEW SAFETY SURFACING TO MATCH TOP OF SURFACE GRADES OF EXISTING PLAYGROUND FOR A SEAMLESS EXTENSION; RAKE SMOOTH.
- 16 INSTALL 2' X 2' X 20" DEEP CONCRETE TRANSITION BETWEEN CONCRETE HEADER CURB AND RESILIENT SURFACING 45° EDGE; SET TOP OF SURFACE FLUSH WITH ADJACENT HEADER CURB; LOCATE OUTSIDE PLAY EQUIPMENT SAFETY ZONE.
- 17 INSTALL WOOD STUMP, OWNER SUPPLIED (SIZES VARY); BURY BASE OF STUMP INTO SUBGRADE, MINIMUM 4" DEPTH; SAND SURFACE OF STUMP SMOOTH AND FREE OF SHARP PROTRUSIONS OR SNAGS; SET

LOCATIONS AND HEIGHTS OF STUMPS IN FIELD UNDER SUPERVISION OF LANDSCAPE ARCHITECT.

SEAT ELEMENT, TYP; CONFIRM FINAL PLACEMENT AND FINISH GRADE OF SEAT ELEMENT IN FIELD WITH LANDSCAPE ARCHITECT. DIMENSION INDICATES HEIGHT ABOVE ADJACENT FINISH GRADE (WOOD CHIP

#### PLAY EQUIPMENT AND SURFACE NOTES

- 1. THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO FURNISH, INSTALL AND CONSTRUCT ALL PLAY EQUIPMENT AND SITE FURNISHINGS AS SPECIFIED AND DESCRIBED ON THIS PLAN.
- THE GROUND SPACES (GS) AND USE ZONE (UZ) FOR EACH PIECE OF PLAY EQUIPMENT ARE SHOWN ON THE PLAN. THE GROUND SPACE IS THE ACTUAL SPACE THAT THE EQUIPMENT OCCUPIES. THE USE ZONE IS THE REQUIRED OBSTACLE FREE SURFACE AROUND EQUIPMENT. THE USE ZONE FOR STATIONARY PLAY EQUIPMENT SHALL EXTEND NO LESS THAN 6' FROM ALL SIDES OF THE PLAY STRUCTURE. IN INSTANCES WHERE THE USE ZONE EXTENDS BEYOND 6' FROM A SPECIFIED SIDE OF A STRUCTURE, THE REQUIRED LENGTH IS SHOWN ON THE PLAN.
- THE USE ZONES FOR ANY TWO ADJACENT PLAY STRUCTURES SHALL NOT OVERLAP UNLESS APPROVED BY
- 4. PRIOR TO FINAL ACCEPTANCE BY THE OWNER, THE CONTRACTOR SHALL PROVIDE AN "AS-BUILT" DRAWING WHICH DOCUMENTS THAT EACH PIECE OF PLAY EQUIPMENT IS CONSTRUCTED WITH THE REQUIRED ZONE AND THAT NO USE ZONES OVERLAP, UNLESS APPROVED BY MANUFACTURER.
- 5. PRIOR TO FINAL ACCEPTANCE BY THE OWNER, THE CONTRACTOR MUST PROVIDE WRITTEN AUTHORIZATION THAT THE CONSTRUCTION AND INSTALLATION OF EACH PIECE OF PLAY EQUIPMENT HAS BEEN INSPECTED BY A REPRESENTATIVE OF THE EQUIPMENT MANUFACTURER, AND THAT THE CONSTRUCTION AND INSTALLATION OF EACH PIECE OF EQUIPMENT FULLY COMPLIES WITH ASTM F-1487-11 AND THE U.S. CONSUMER PRODUCT SAFETY COMMISSION HANDBOOK FOR PUBLIC PLAYGROUND SAFETY.



REVISIONS ISSUED DESCRIPTION

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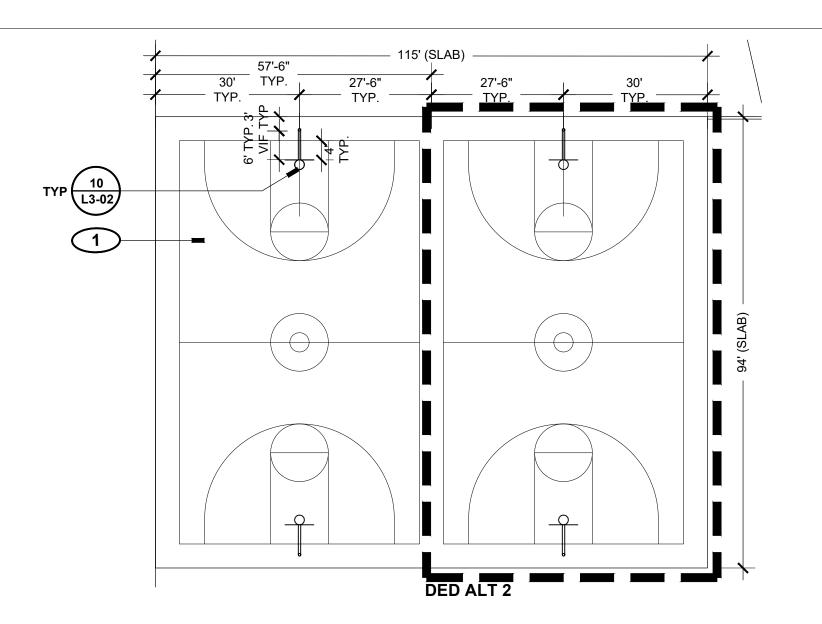
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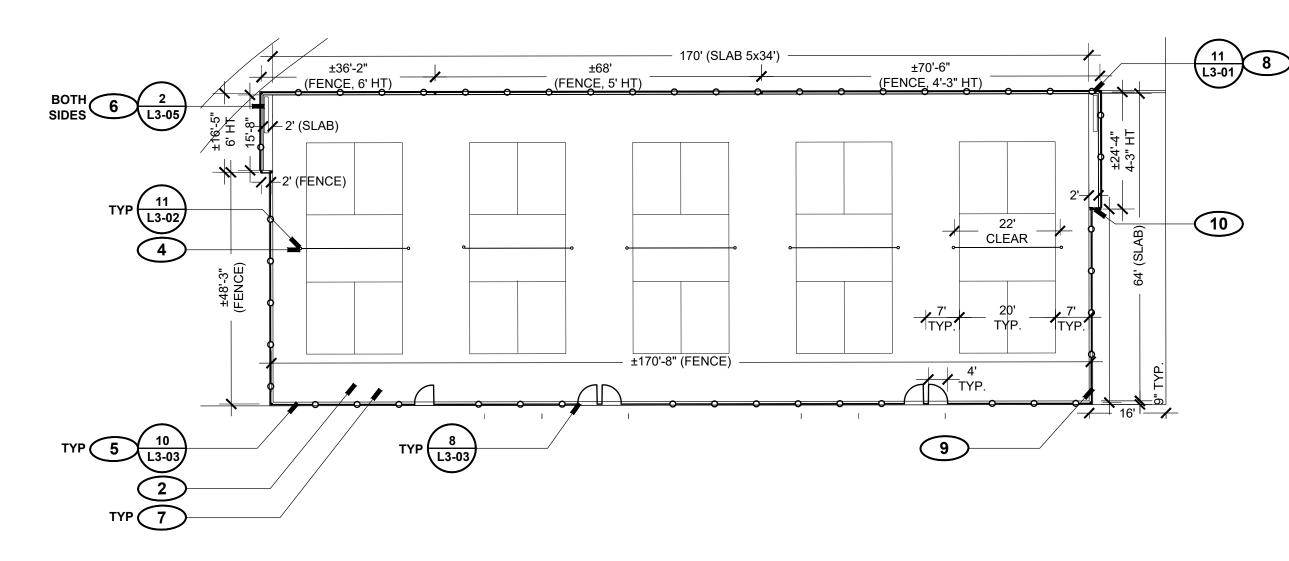
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DRAWN BY DATE December 20, 2019 SHEET TITLE **ENLARGED PLAN PLAYGROUND** SHEET NUMBER



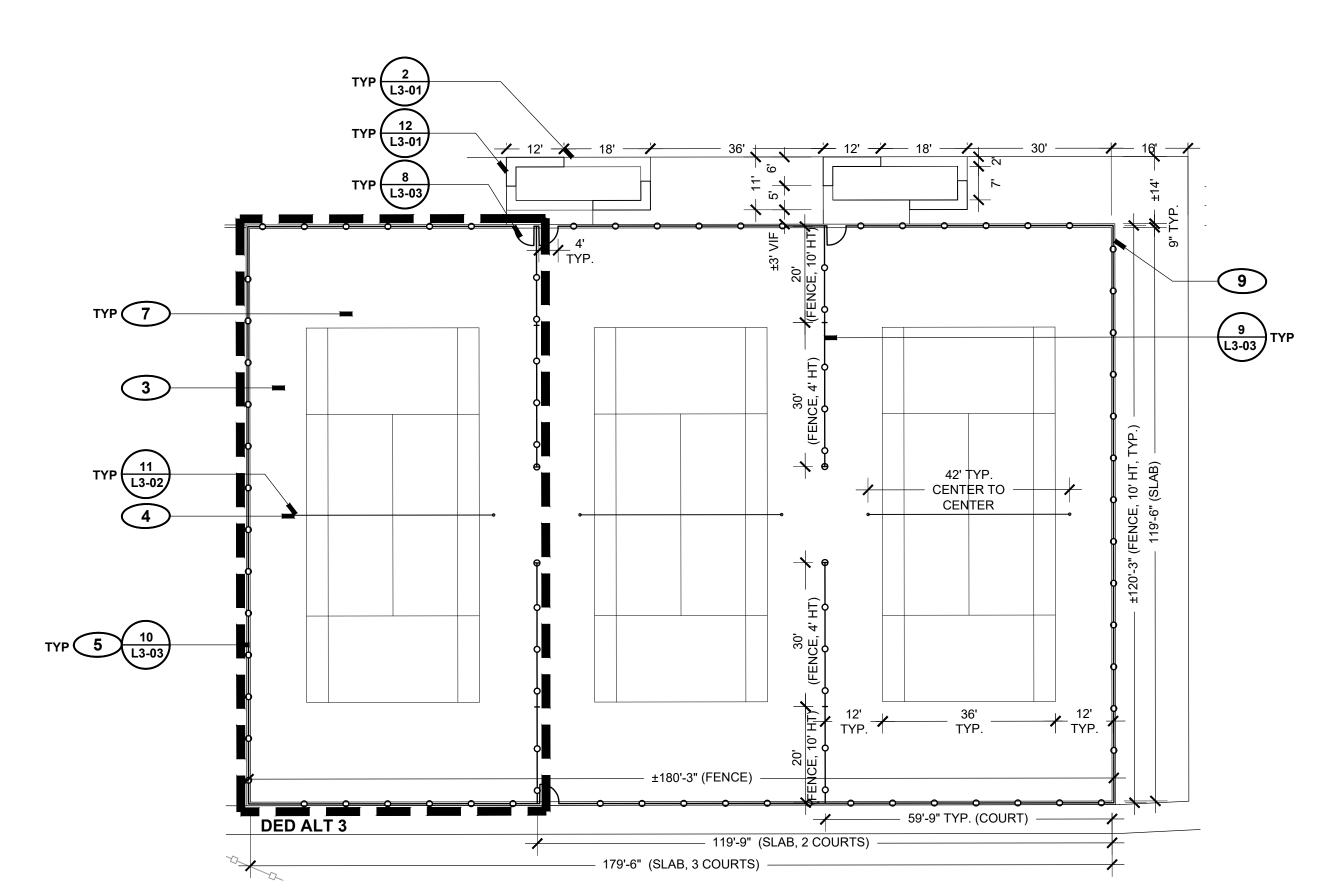


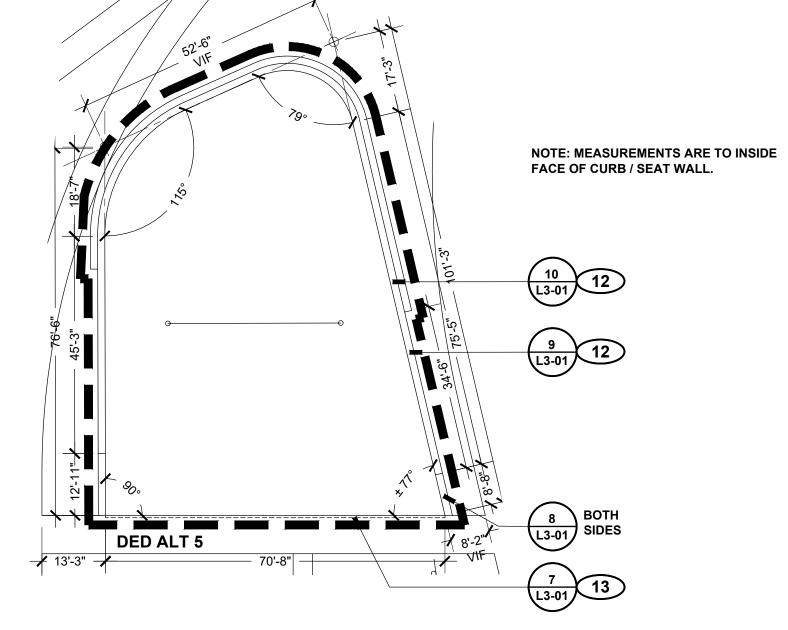
#### BASKETBALL COURTS LAYOUT L2 05 SCALE:1" = 20'-0"

**TENNIS COURT LAYOUT** 

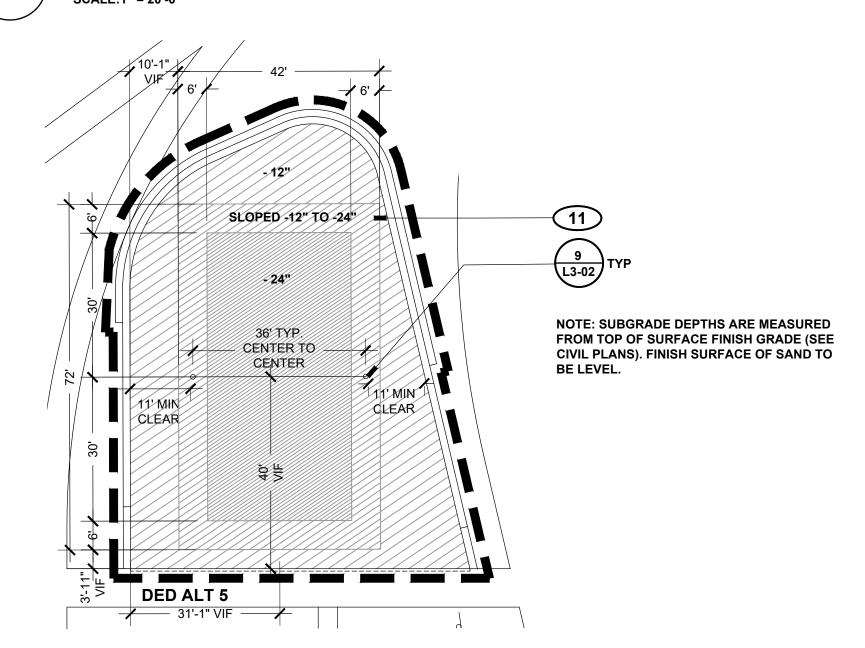
SCALE:1" = 20'-0"

#### PICKLEBALL COURTS LAYOUT L2 05 SCALE:1" = 20'-0"





#### **VOLLEYBALL COURT PERIMETER LAYOUT** SCALE:1" = 20'-0"



## **VOLLEYBALL COURT GRADING PLAN** SCALE:1" = 20'-0"

## LAYOUT + MATERIALS KEYED NOTES

LAYOUT + MATERIALS LEGEND

COURT SURFACE, BASE COLOR COURT SURFACE, ACCENT COLOR

CHAIN LINK FENCE

- 1 INSTALL NEW BASKETBALL COURT WITH SALVAGED BASKETBALL HOOP POLES, BACKBOARDS, RIMS, AND NETS; STRIPE ACCORDING TO NATIONAL FEDERATION OF STATE HIGH SCHOOL ASSOCIATIONS STANDARDS; STRIPE COLOR: TBD. REPLACE DAMAGED ITEMS WITH MATCHING COMPONENTS; SEE STRUCTURAL PLANS FOR POST-TENSIONED CONCRETE PAD DETAILS, TYP.; FINISH SURFACE: COLORED CONCRETE TO MATCH
- INSTALL NEW PICKLEBALL COURTS WITH SURFACING, PERIMETER FENCING, NET POSTS, NETS, AND ACCESS GATES; STRIPE ACCORDING TO UNITED STATES OF AMERICA PICKLEBALL ASSOCIATION (USAPA) STANDARDS; SEE STRUCTURAL PLANS FOR POST-TENSIONED CONCRETE SLAB DETAILS, TYP.
- INSTALL NEW TENNIS COURTS WITH SURFACING, PERIMETER FENCING, PARTIAL INTERIOR FENCING, NET POSTS, NETS, AND ACCESS GATES; STRIPE ACCORDING TO UNITED STATES TENNIS ASSOCIATION STANDARDS; SEE STRUCTURAL PLANS FOR POST-TENSIONED CONCRETE SLAB DETAILS, TYP.
- INSTALL NET POSTS SO CENTER OF NET IS POSITIONED AT COURT MIDPOINT EQUIDISTANT FROM BOTH
- 8' HEIGHT, UNLESS OTHERWISE NOTED); TOP OF CURB TO BE FLUSH WITH ADJACENT COURT SURFACE; CONFIRM GATE LOCATIONS WITH LANDSCAPE ARCHITECT PRIOR TO SETTING POSTS. ALL CHAIN LINK MATERIALS TO BE VINYL COATED; COLOR: BROWN.
- 6 PLAYER BENCH (BACKLESS), TYP; CONFIRM FINAL PLACEMENTOF SEAT IN FIELD WITH LANDSCAPE
- 7 COURT SURFACING; BASE COLOR: KHAKI; ACCENT COLOR: MEDIUM BLUE. SEE COURT SURFACING COLOR
- (8) CONCRETE RETAINING WALL W/ FENCING; COORDINATE STEPS IN RETAINING WALL WITH FENCE POST
- 9 12"X18" RULES SIGN PANEL, SEE DETAIL 7/L3-04; FENCE MOUNTED WITH TAMPER RESISTANT HARDWARE;
- 10 INSTALL(3) 2-3/8" OD VERTICAL CHAIN LINK FENCE POSTS TO FILL GAP BETWEEN FENCE ENDPOSTS, 2" CLEAR BETWEEN POSTS MAX.; MATCH FINISH SURFACE AND COLOR TO ADJACENT FENCE, TYP.; CONFIRM ALIGNMENT WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- INSTALL SAND VOLLEYBALL COURT, POSTS, AND NET WITH PERIMETER CURB / SEATING; CONFIRM SAFETY CLEARANCES TO EDGE OF CONCRETE PERIMETER CURB PRIOR TO PLACING POSTS AND PREPARING 12 SUBGRADE..
- INSTALL CONCRETE SEAT / RETAINING WALL; CONFIRM LAYOUT IN FIELD WITH LANDSCAPE ARCHITECT; CURVES SHALL BE SMOOTH, PARALLEL AND FREE OF KINKS.

INSTALL TURNDOWN CURB ALONG EDGE OF WALKWAY ADJACENT TO VOLLEYBALL COURT, TYP.

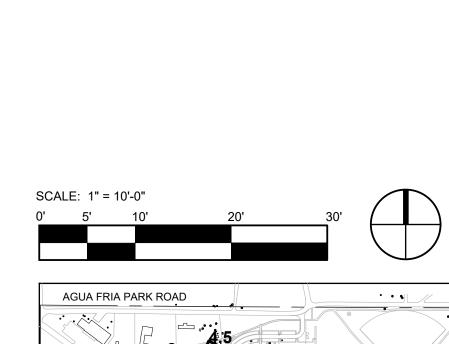
#### **LAYOUT + MATERIALS GENERAL NOTES**

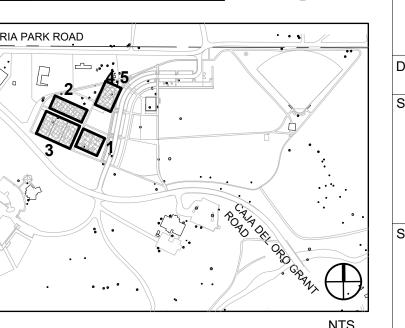
1. COURT LAYOUT, EQUIPMENT LOCATIONS, SAFETY CLEARANCES, AND STRIPING TO MEET APPLICABLE NATIONAL SPORT ASSOCIATION STANDARDS.

> UNITED STATES TENNIS ASSOCIATION (USTA) UNITED STATES OF AMERICA PICKLEBALL ASSOCIATION (USAPA) NATIONAL FEDERATION OF STATE HIGH SCHOOL ASSOCIATIONS (NFSHSA)

2. STAKE CONCRETE SLABS, CURBS, FENCE LINES, AND NET POST LOCATIONS IN FIELD FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL PRIOR TO INSTALLATION.

**KEY MAP** 





REVISIONS ISSUED DATE DESCRIPTION

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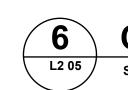
ME M r ROAD

DEL ORO GRANT NEW MEXICO 87

ROMERO

DRAWN BY DATE December 20, 2019 SHEET TITLE **ENLARGED PLAN** COURTS SHEET NUMBER

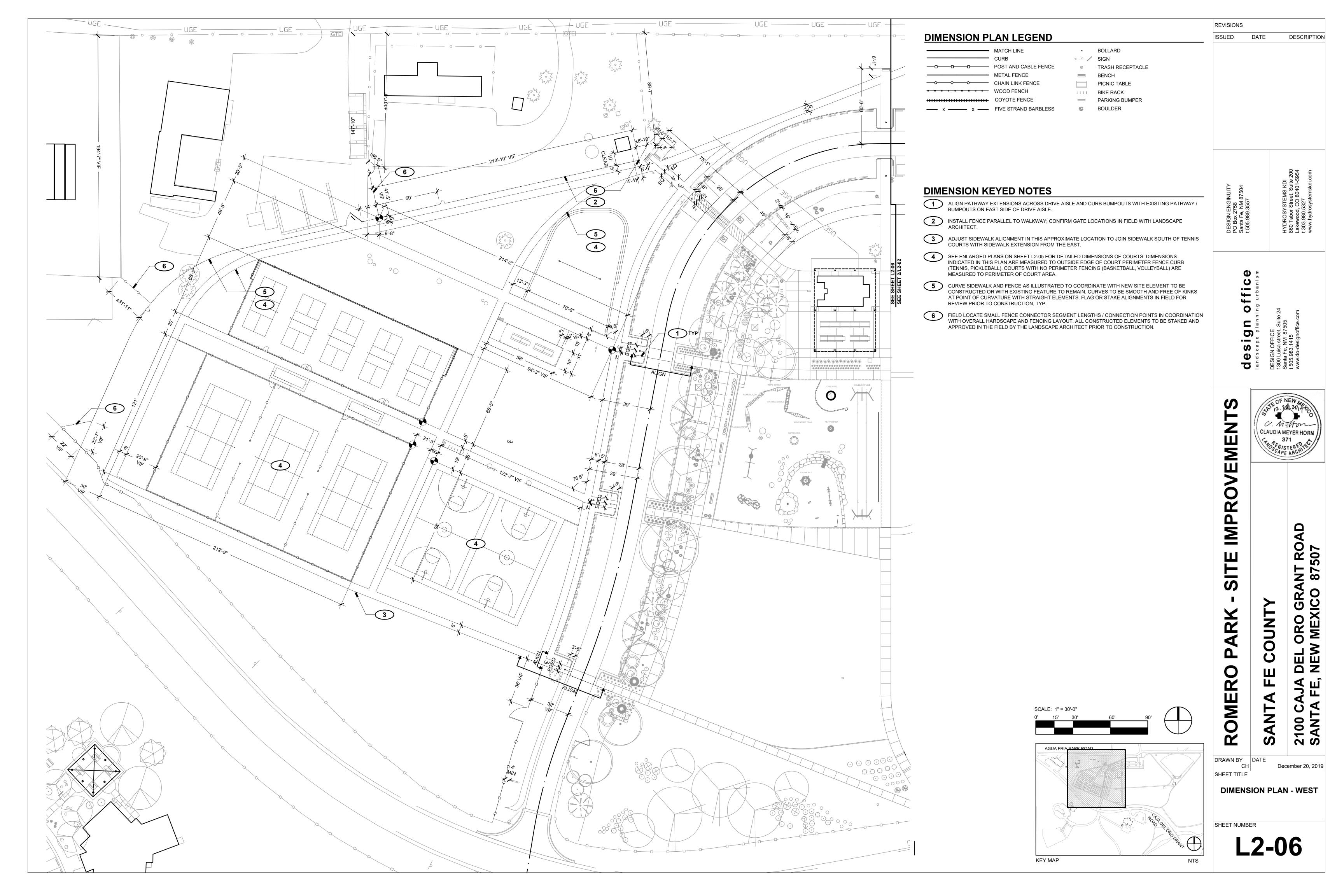
L2-05

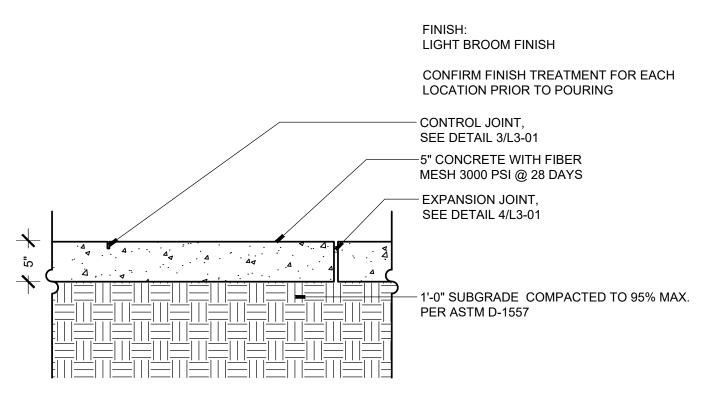


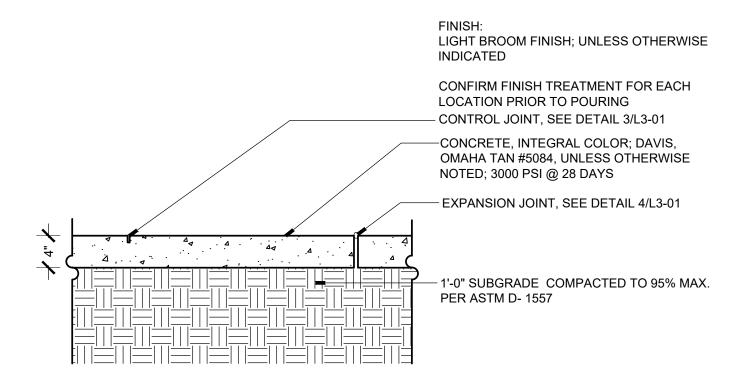
**COURT SURFACING DIAGRAM** SCALE:1" = 20'-0"

PICKLEBALL COURT

**TENNIS COURT** 







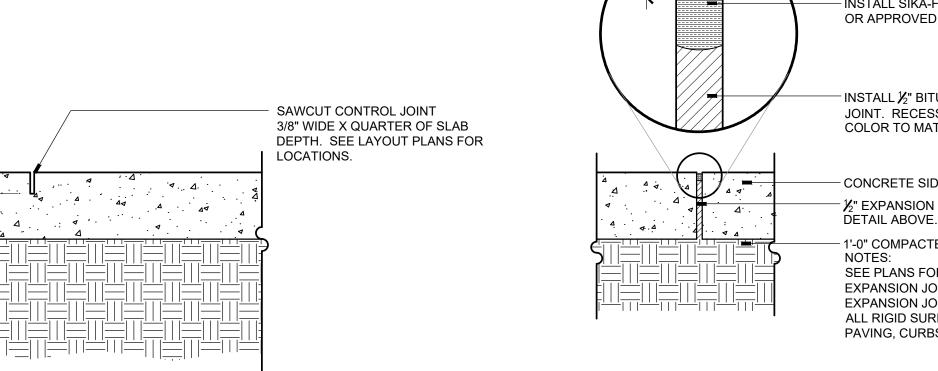
SECTION

SECTION

FINISH SURFACE

-½" RADIUS, TYP.

MATERIAL, SEE PLANS



SECTION

- CONCRETE SIDEWALK; SEE

– 12" DEPTH SAND AT VOLLEYBALL

- 12" DEPTH ENGINEERED WOOD

CONT. CONCRETE TURN DOWN EDGE,

SEE LAYOUT PLAN FOR JOINTING

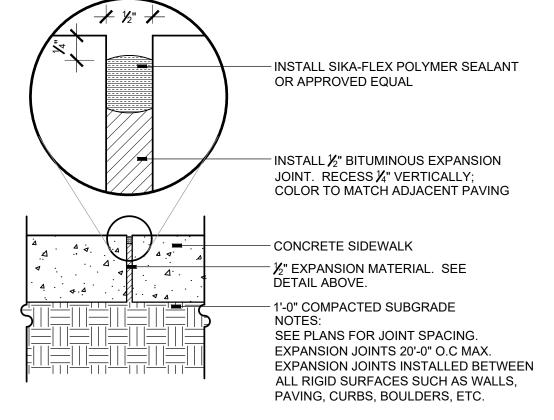
- 2-#4 REBAR HORIZONTAL CONT.

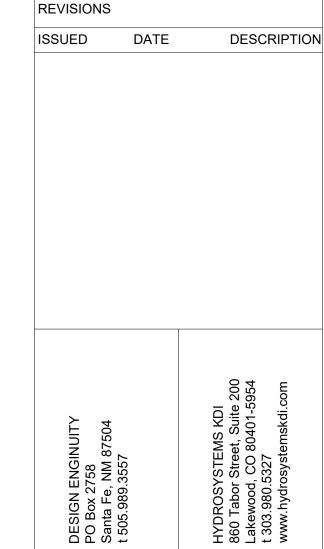
- COMPACTED SUBGRADE

FIBER AT PLAYGROUND

DETAIL 2/L3-01

- 1/2" RADIUS, TYP.





SECTION

**CONCRETE SIDEWALK** 

**CONTROL JOINT** 

**EXPANSION JOINT** 

SECTION

CRUSHER FINES PAVING, SEE

— 12" DEPTH VOLLEYBALL SAND

3000 PSI CONCRETE; INTEGRAL

COLOR TO MATCH CONCRETE

- 4-#4 REBAR HORIZONTAL CONT.

#4 REBAR VERTICAL; TIE AT 18" O.C.

SECTION

DETAIL 13/L3-01

- ½" RADIUS, TYP.

PAVING

— DEPTH VARIES; 1" MIN.

SECTION

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SHEET TITLE SITE DETAILS

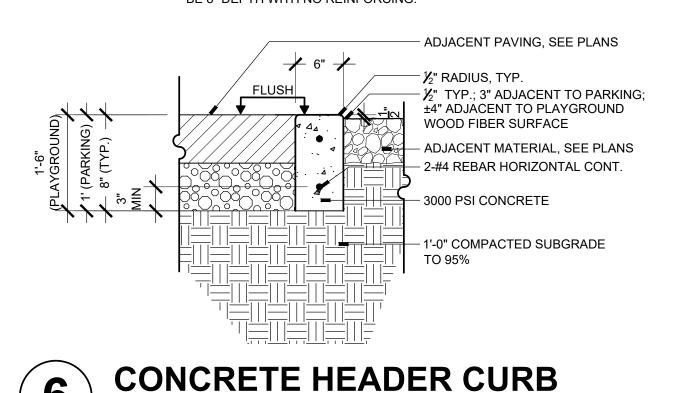
L3-01

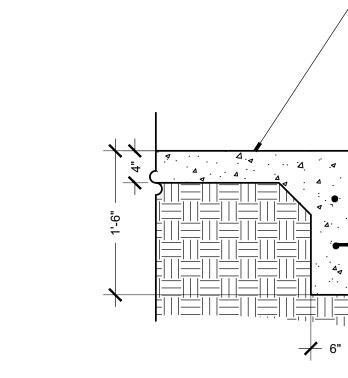
**CONCRETE PAVING** 

- NEW CONCRETE SIDEWALK; SEE DETAIL 2/L3-01 CAULK JOINT COLOR TO MATCH ADJACENT PAVING EXPANSION JOINT; SEE DETAIL 4/L3-01 1\2" DIA X 1'-2" SMOOTH DOWEL; AT 10" ON CENTER; PIN TO EXISTING CONCRETE PAVING - EXISTING CONCRETE PAVING

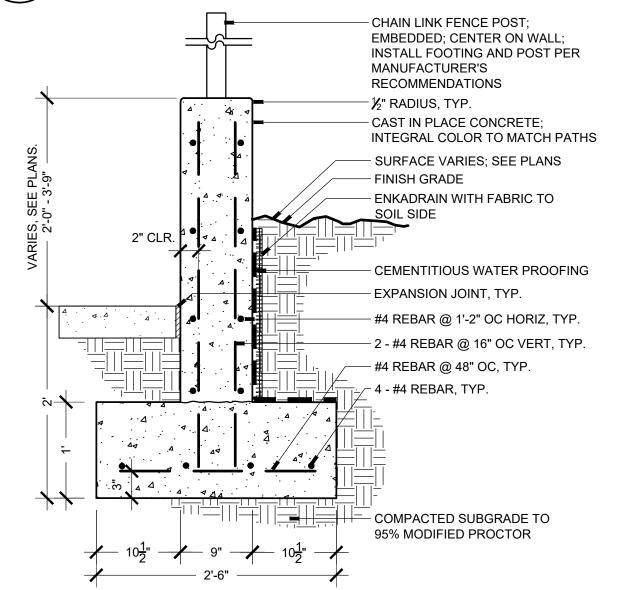
**CONCRETE SLAB W/ DOWEL JOINT** 

NOTE: UNLESS OTHERWISE CALLED OUT ON THE PLANS, CURB TO BE 8" DEPTH WITH NO REINFORCING.

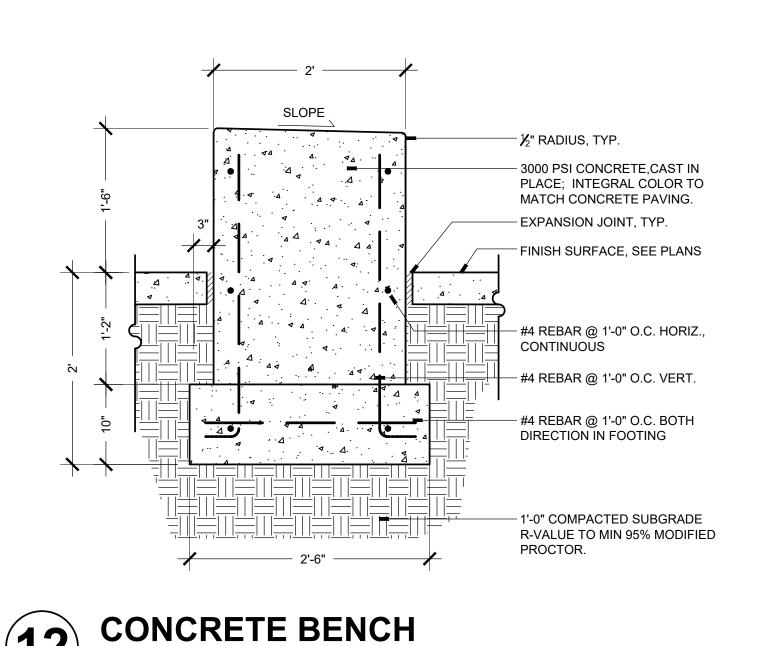


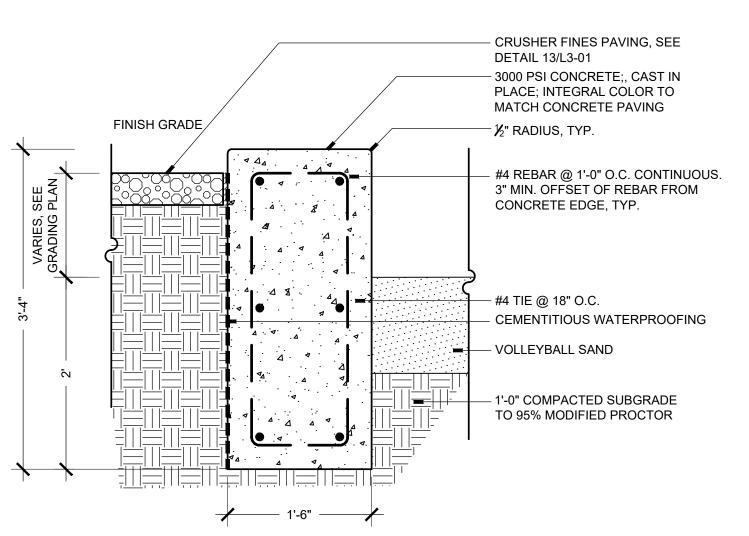


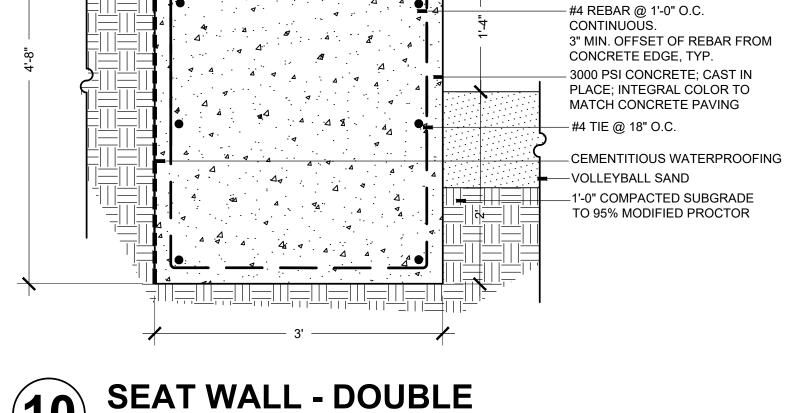








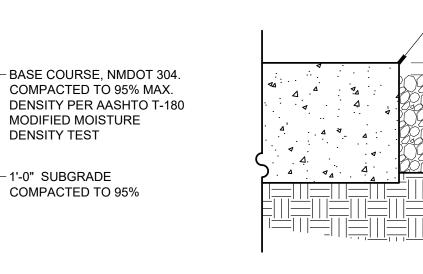




—— 1'-6" ——

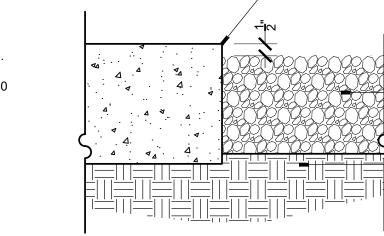
SLOPE TO DRAIN



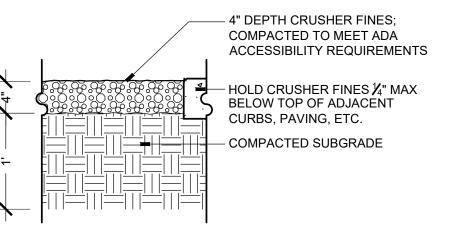


DENSITY TEST

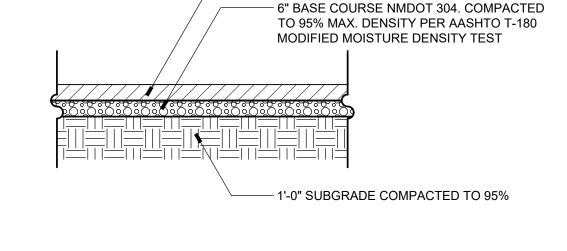
-1'-0" SUBGRADE



HOLD MULCH 1/2" BELOW TOP OF ADJACENT CURBS, WALKS, HEADERS, ETC. - FINISH GRADE - GRAVEL; 3" DEPTH - REMOVE SOIL TO SUFFICIENT DEPTH BELOW ADJACENT PAVING AND WALLS TO ALLOW PROPER DEPTH OF MULCH INSTALLATION.



**SEAT WALL - SINGLE** 



3" ASPHALT PAVING PER NMDOT SP-IV

SECTION

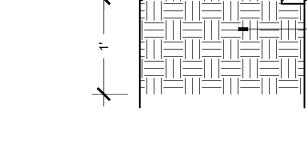
**ASPHALT PAVING SECTION** 

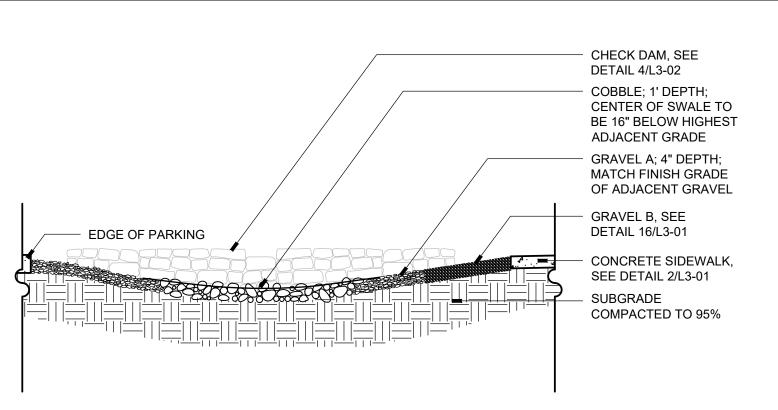
**ROADWAY SECTION** 

**GRAVEL MULCH** 

**CRUSHER FINES PAVING** 

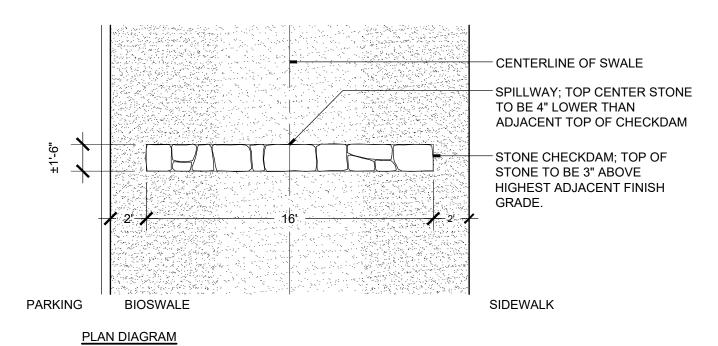
SHEET NUMBER SECTION

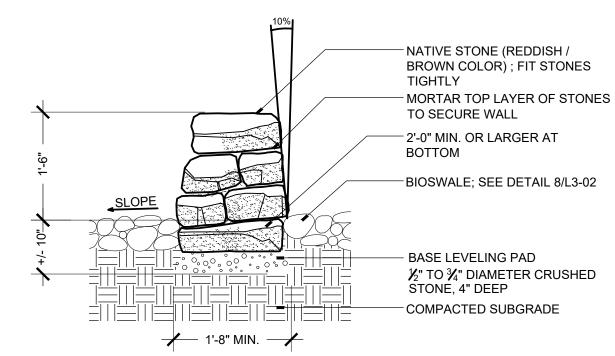




BIOSWALE

SCALE: 1/4"=1'-0" SECTION





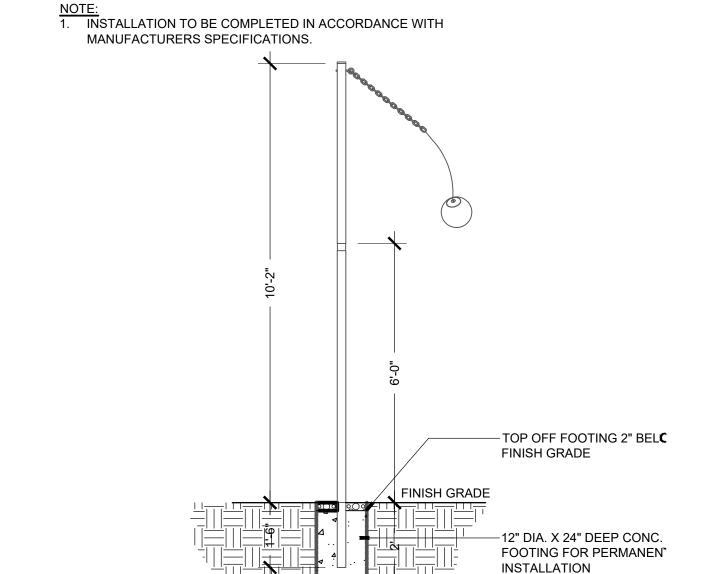
4 CHECK DAM

SCALE: 3/4"=1'-0"

12" DIA. X 24" DEEP CONC.

FOOTING FOR PERMANENT

INSTALLATION

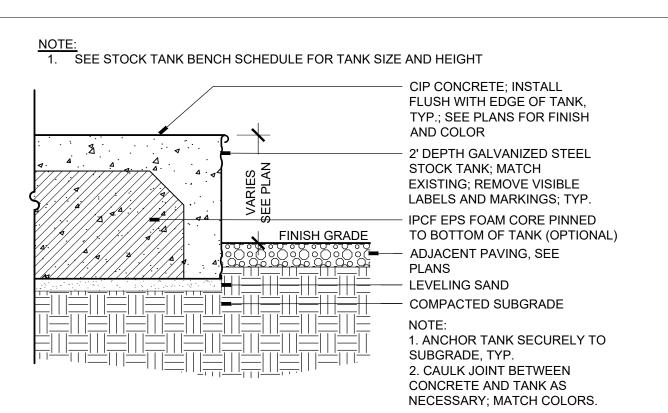


8 TETHERBALL

SCALE: 1/2"=1'-0" SECTION

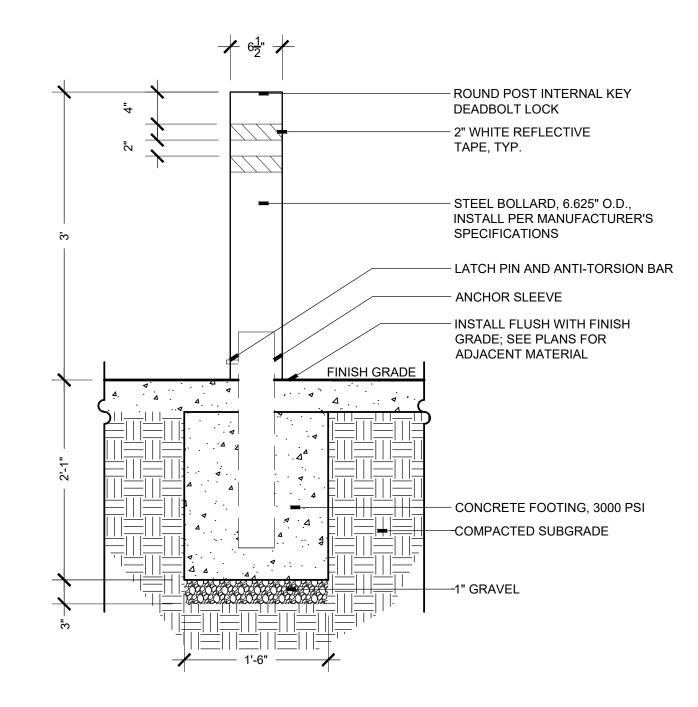
-COMPACTED SUBGRADE

TO 95% PROCTOR



STOCK TANK BENCH

SCALE: 3/4"=1'-0"



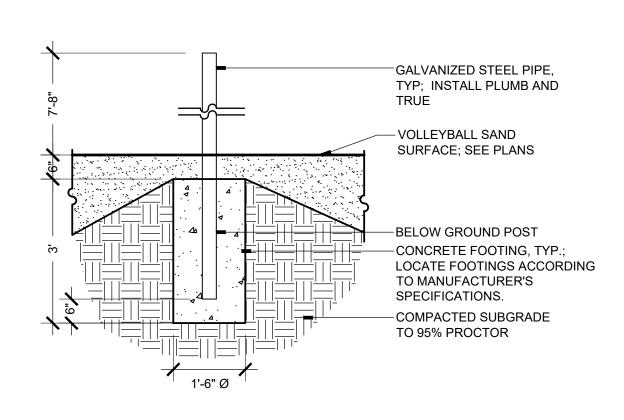
5 BOLLARD - REMOVEABLE

SCALE: 1'=1'-0" SECTION

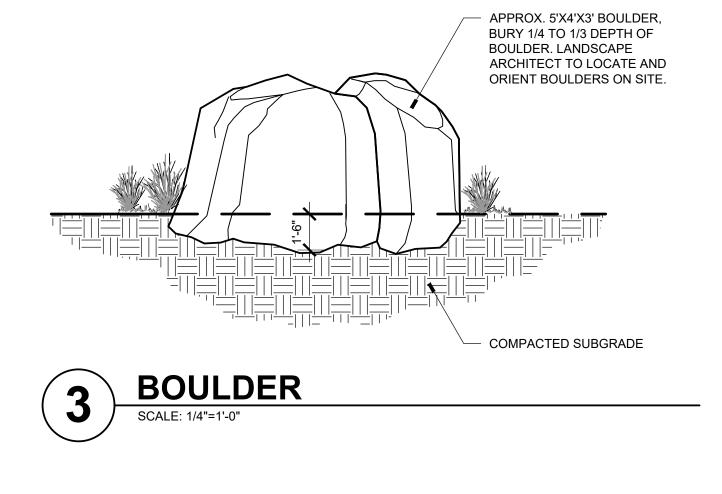


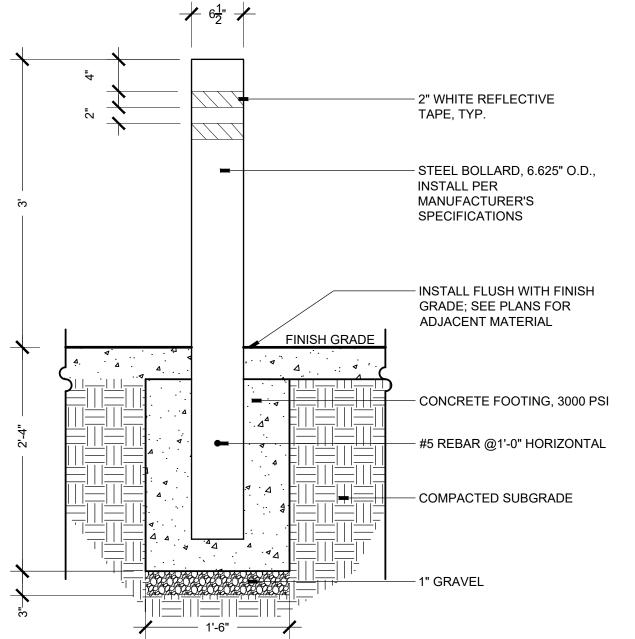
 POLE TO POLE DISTANCE TO BE 36' CENTER TO CENTER.
 USE 24" DIAMETER CONCRETE FOR VERY SOFT GROUND OR HIGH WIND COURT AREAS.

NOTES:



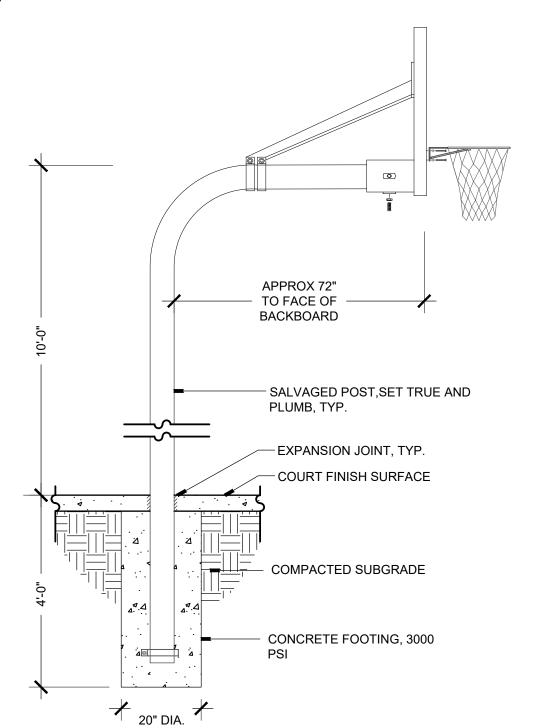
9 VOLLEYBALL NET POST
SCALE: 1/2"=1'-0" SECTION





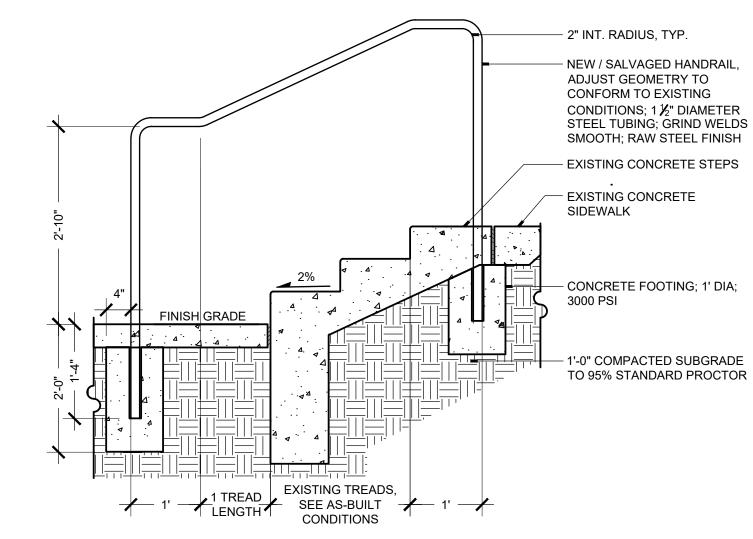
6 BOLLARD - FIXED

SCALE: 1"=1'-0" SECTION

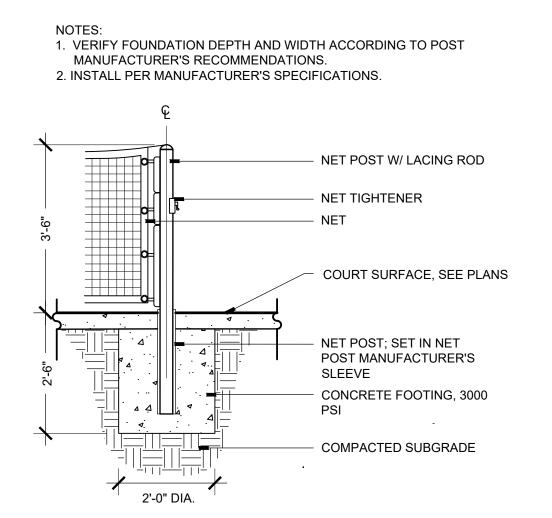


10 BASKETBALL HOOP POST

SCALE: 1/2"=1'-0" SECTION

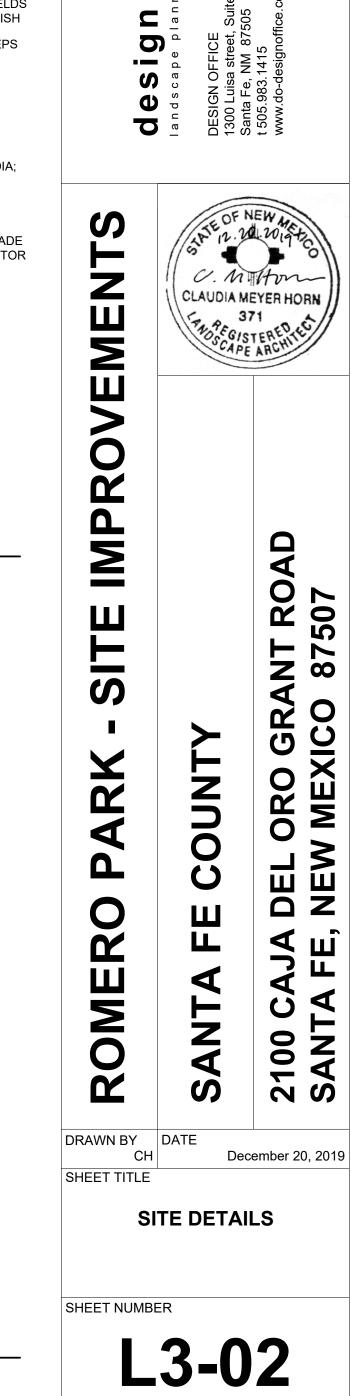


7 HANDRAIL
SCALE: 3/4"=1'-0" SECTION



TENNIS/PICKLEBALL NET POST

SCALE: 1/2"=1'-0" SECTION



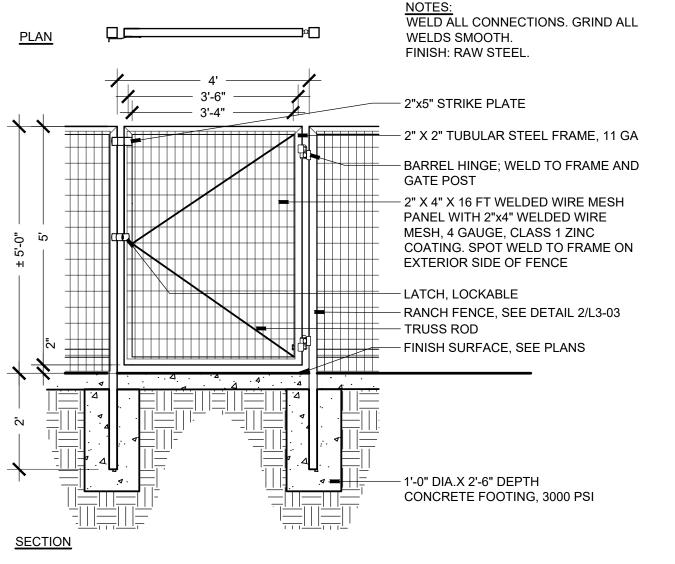
**REVISIONS** 

DATE

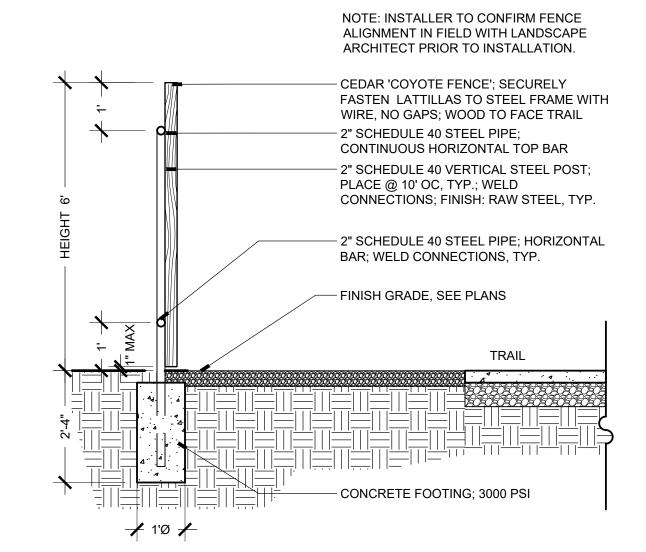
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DESCRIPTION







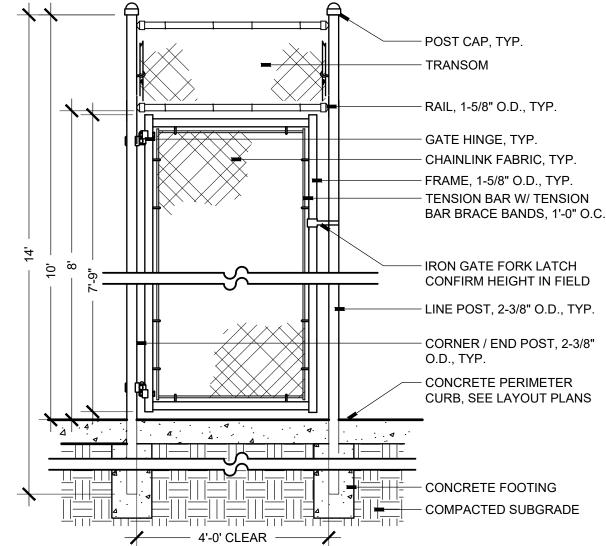


3. GATES AT PICKLEBALL COURTS DO NOT HAVE TRANSOM OVER GATE.

NOTES:

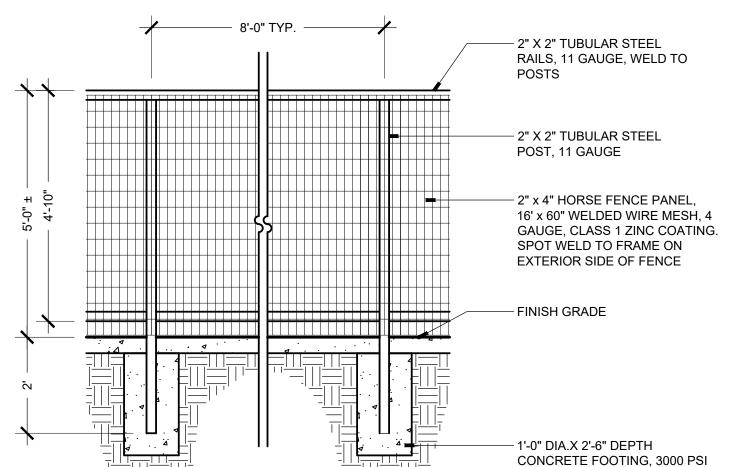
1. INSTALL POSTS PLUMB AND TRUE; ALIGN POSTS HORIZONTALLY AND VERTICALLY; VERIFY FINAL GATE LOCATION IN FIELD WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION

2. INSTALL PER MANUFACTURER'S SPECIFICATIONS



8 CHAIN LINK GATE
SCALE: 1/2"=1'-0"

SECTION



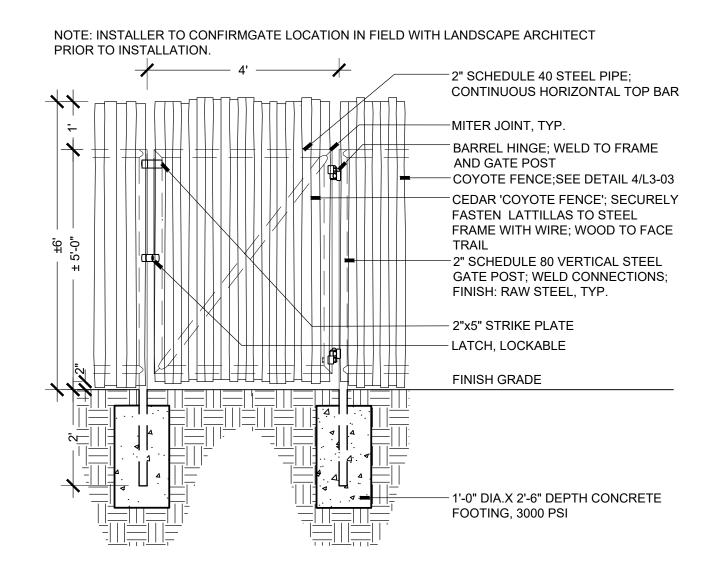
NOTES:

FINISH: RAW STEEL

WELD ALL CONNECTIONS. GRIND ALL WELDS SMOOTH.

2 RANCH FENCE

SCALE: 1/2"=1'-0" SECTION



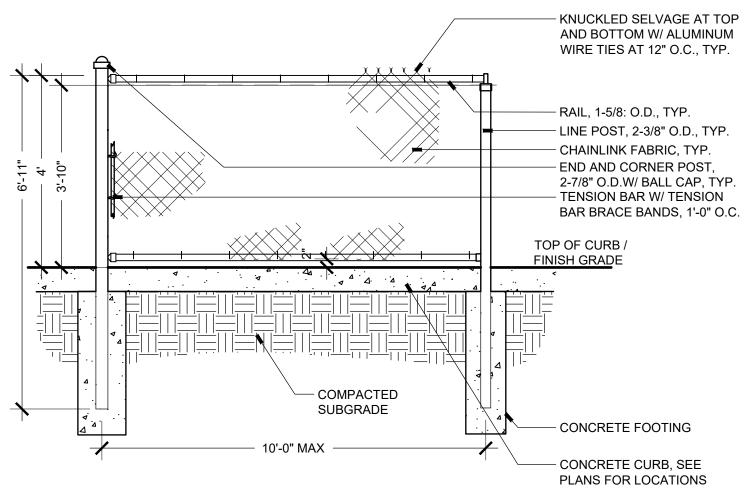
5 COYOTE FENCE - GATE

SCALE: 1/2"=1'-0" SECTION

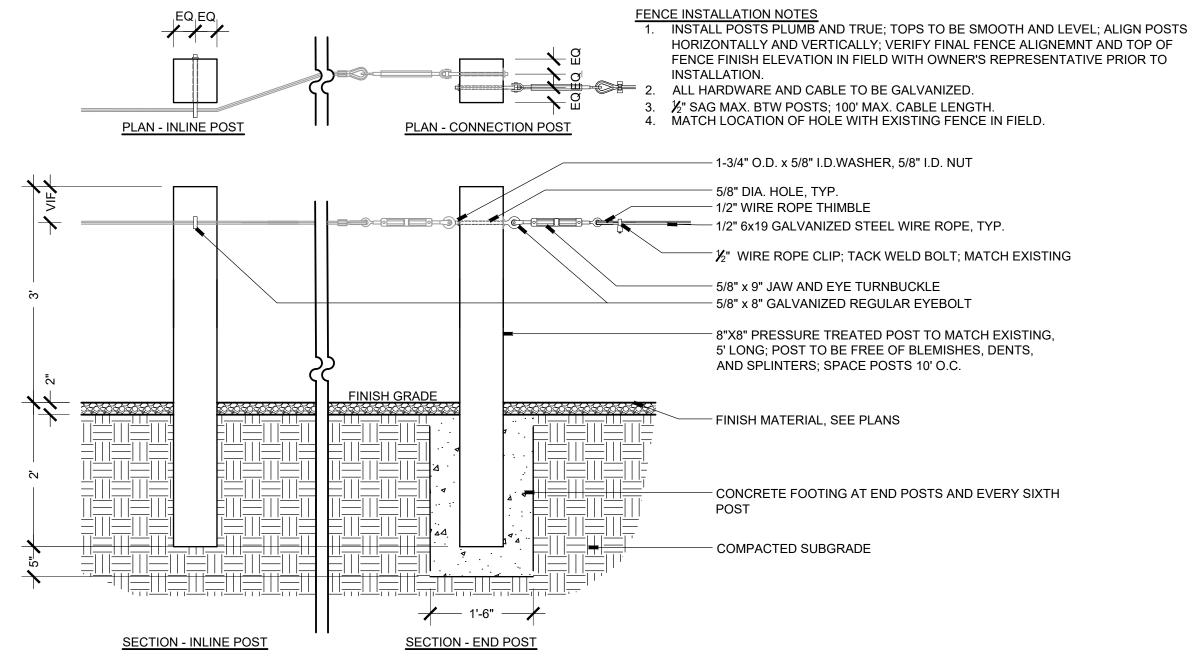
NOTES:

1. INSTALL POSTS PLUMB AND TRUE; ALIGN POSTS HORIZONTALLY AND VERTICALLY; VERIFY FINAL FENCE ALIGNMENT AND TOP OF FENCE FINISH ELEVATION IN FIELD WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION

2. INSTALL PER MANUFACTURER'S SPECIFICATIONS

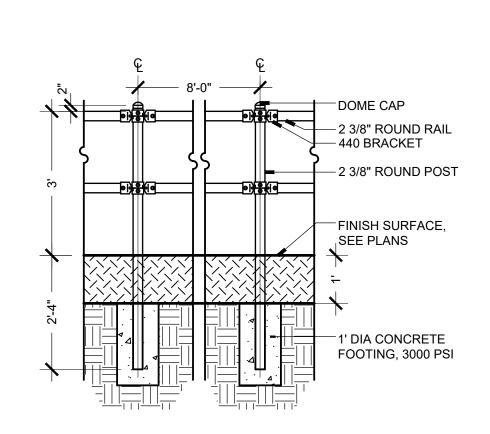


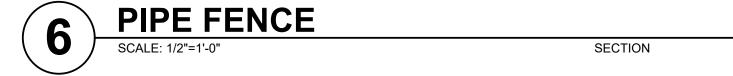
9 CHAIN LINK FENCE - 4' HEIGHT



3 POST AND CABLE FENCE

SCALE: 3/4"=1'-0" SECTION

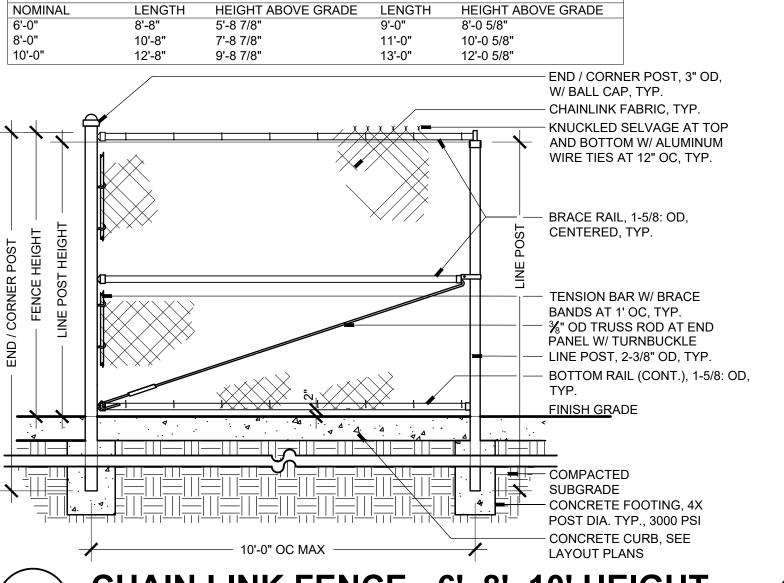




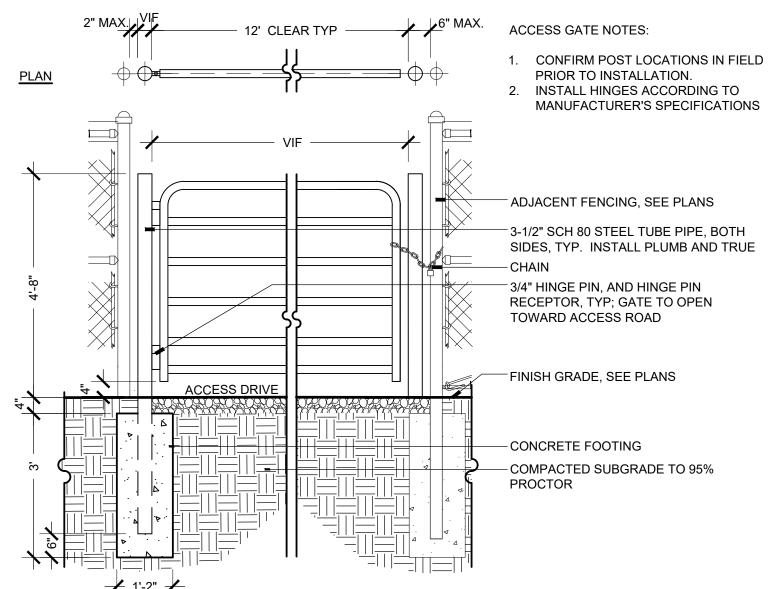
NOTES:

1. INSTALL POSTS PLUMB AND TRUE; ALIGN POSTS HORIZONTALLY AND VERTICALLY; VERIFY FINAL FENCE
ALIGNMENT AND TOP OF FENCE FINISH ELEVATION IN FIELD W/ ARCHITECT PRIOR TO INSTALLATION
2. INSTALL PER MANUFACTURER'S SPECIFICATIONS

3. SEE PLANS FOR FINISH SURFACE MATERIALS AND COLORS.



CHAIN LINK FENCE - 6', 8', 10' HEIGHT

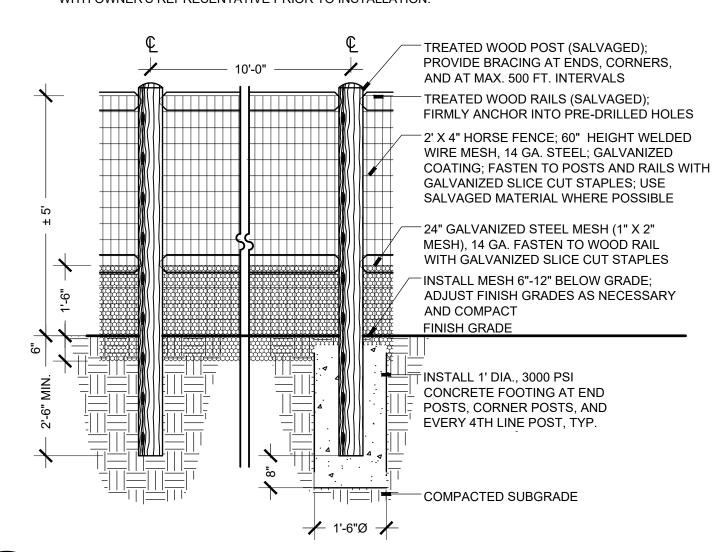




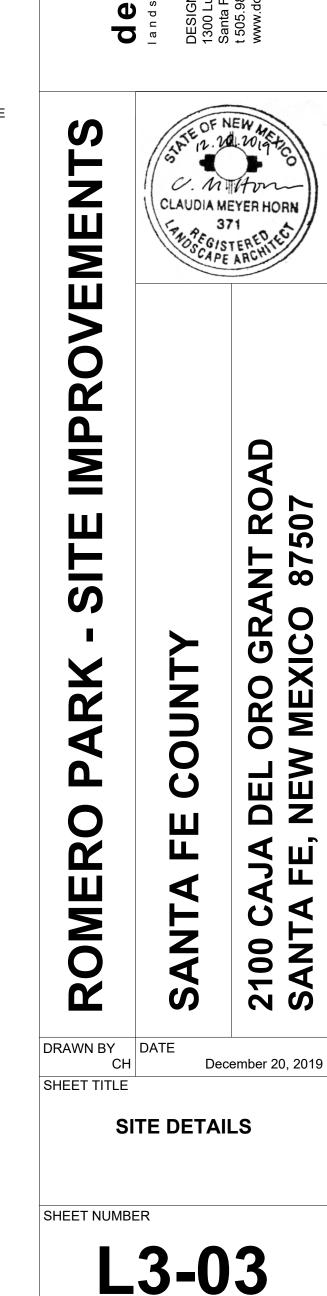
NOTES:

1. FENCE MATERIAL TO BE SALVAGED MATERIAL FROM EXISTING DOG PARK. WHERE NEW POSTS, RAILS, OR MESH IS REQUIRED, MATCH EXISTING MATERIAL, TYP.

 INSTALL POSTS PLUMB AND TRUE; TOP OF FENCE TO BE SET PARALLEL WITH FINISH GRADE; ALIGN POSTS HORIZONTALLY; VERIFY FINAL FENCE ALIGNMENT AND FENCE FINISH ELEVATION IN FIELD WITH OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.







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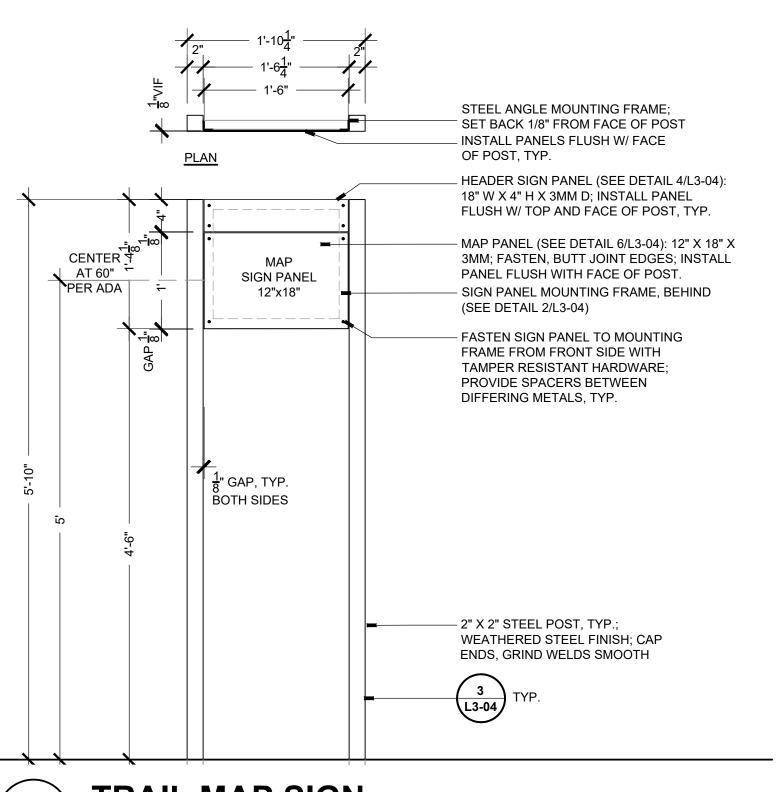
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SCREW HOLE; PRE-DRILLED, ALUMINUM COMPOSITE PANEL, 3 MM CUT VINYL GRAPHICS OVER TAN RETROREFLECTIVE VINYL; PAINTED OR VINYL BACK SIDE, CONFIRM COLOR WITH LANDSCAPE ARCHITECT

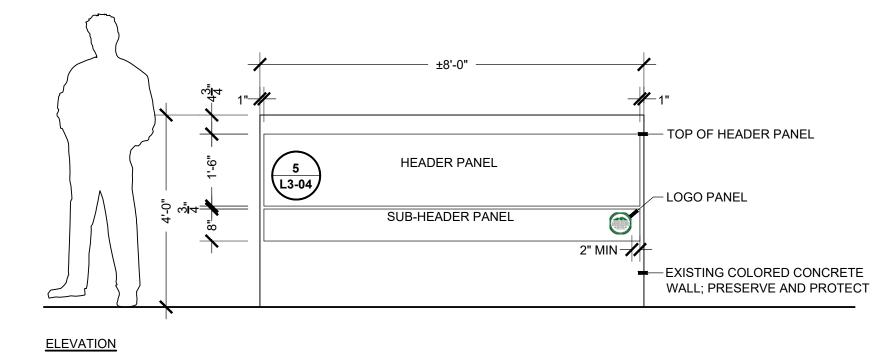
NOTE: SIGN GRAPHICS ARE FOR INFORMATION ONLY AND TO BE USED SOLELY FOR REFERENCE BY CONTRACTOR. FINAL SIGN GRAPHICS TO BE SUPPLIED BY ARCHITECT.

## **TRAIL SIGN - HEADER PANEL**



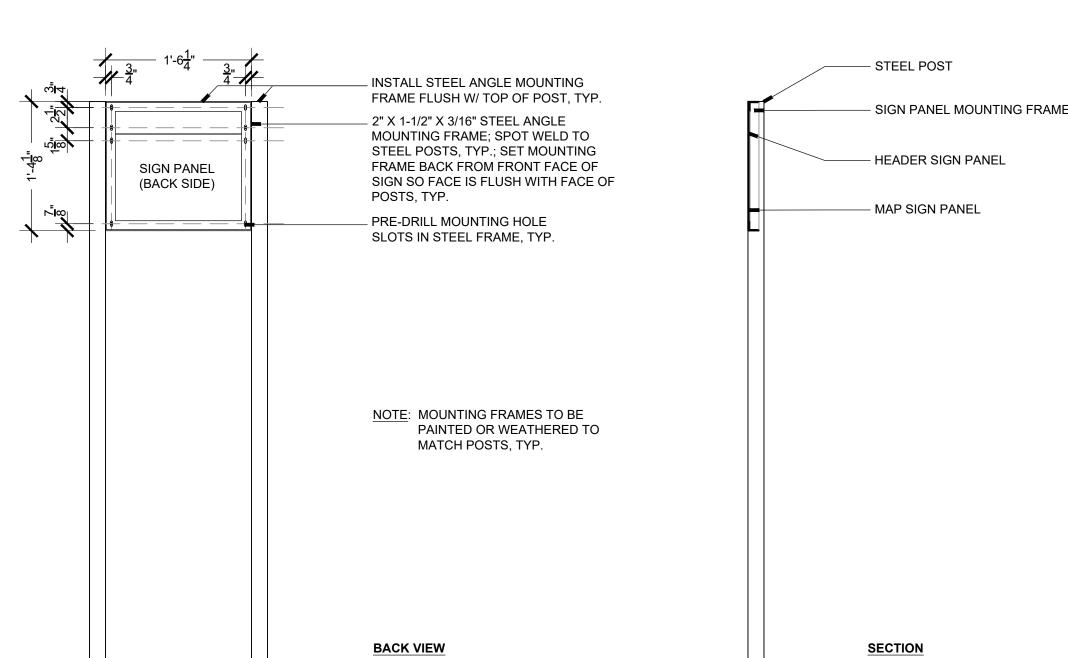
NOTE: SIGN GRAPHICS ARE FOR INFORMATION ONLY AND TO BE USED SOLELY FOR REFERENCE BY CONTRACTOR. FINAL SIGN GRAPHICS TO BE SUPPLIED BY ARCHITECT. CONTRACTOR TO PROVIDE APPROPRIATE MATERIAL THICKNESS FOR SIGN STABILITY AND TO PREVENT OIL PANNING OR OTHER SURFACE IRREGULARITIES.

## MONUMENT SIGN PANEL

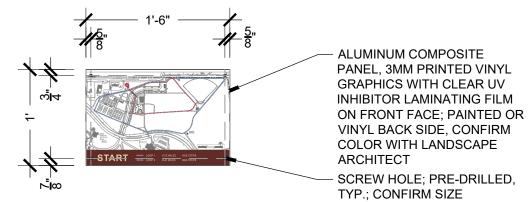


SIGN INSTALLATION NOTES:

- 1. STUDS TO BE SET IN ADHESIVE CEMENT OR EPOXY.
- 2. INSTALL 3/4" STAINLESS STEEL JAM NUTS OR PRE-CUT PLASTIC SPACERS IN BETWEEN SIGN AND MOUNTING SURFACE
- 3. CONTRACTOR TO DETERMINE LOCATION AND QUANTITY OF STUDS OR OTHER HIDDEN FASTENING HARDWARE FOR PROPER

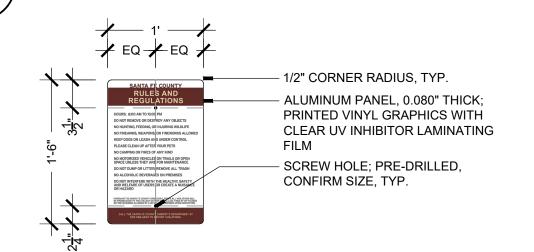


## TRAIL MAP SIGN - SIGN PANEL MOUNTING FRAME DETAILS



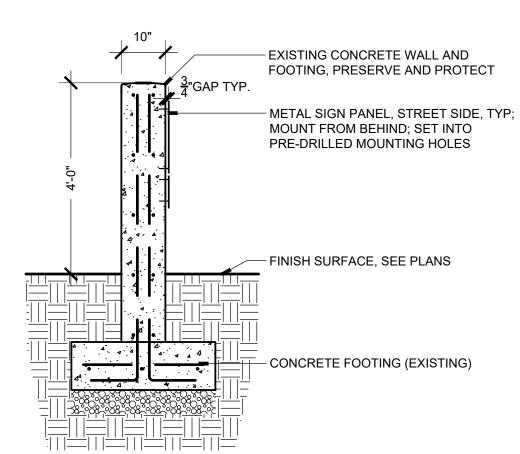
NOTE: SIGN GRAPHICS ARE FOR INFORMATION ONLY AND TO BE USED SOLELY FOR REFERENCE BY CONTRACTOR. FINAL SIGN GRAPHICS TO BE SUPPLIED BY ARCHITECT.

### **TRAIL SIGN - MAP PANEL**



NOTE: SIGN GRAPHICS ARE FOR INFORMATION ONLY AND TO BE USED SOLELY FOR REFERENCE BY CONTRACTOR. FINAL SIGN GRAPHICS TO BE SUPPLIED BY ARCHITECT.

## **RULES / SPECIALTY SIGN PANEL**

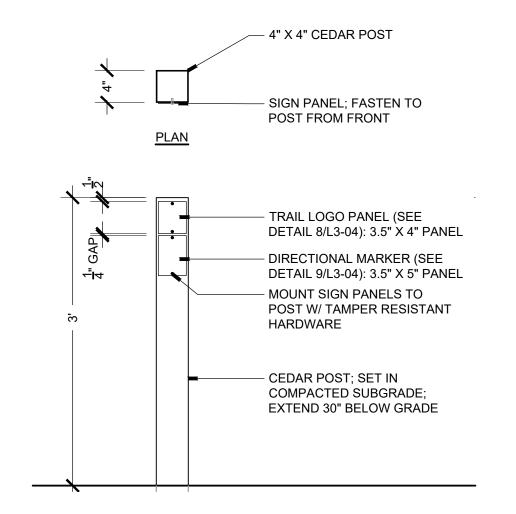


**SIGN POST** 

DESIGN PER STRUCTURAL ENGINEER RECOMMENDATION TO MEET LOCAL WIND LOAD REQUIREMENTS - SQUARE STEEL TUBE POST, SEE SIGN TYPE FOR SIZE, TYP.; INSTALL PLUMB AND LEVEL.; CAP ENDS AND GRIND WELDS SMOOTH, TYP. NOTE: FOR SIGNS WITHMULTIPLE POSTS PROVIDE TEMPORARY BRACING AT BASE TOPREVENT RACKING DURING TRANSPORT INSTALLATION FINISH GRADE - FINISH MATERIAL; MATCH ADJACENT MATERIAL TYP CONCRETE FOOTING, 3000 PSI - 1/2" DIA. REBAR 8" LONG; TYP.; WELD TO POST; ALTERNATE DIRECTION OF REBAR ON POST ENDS - GRAVEL BASE - EXISTING SUBGRADE

CONTRACTOR TO ADJUST FOOTING

# **SIGN POST FOOTING**



### TRAIL MARKER **DIRECTIONAL PANEL**

- SCREW HOLE; PRE-DRILLED,

3 MM ALUPANEL W/ PRINTED

RETROREFLECTIVE VINYL CONTENT

VARIES BY LOCATION; SEE SIGN

TYP.; CONFIRM SIZE

DISTANCE PANEL:

CONTENT MATRIX

NOTE: SIGN GRAPHICS ARE FOR INFORMATION ONLY AND TO BE USED SOLELY FOR REFERENCE BY CONTRACTOR. FINAL SIGN

- SCREW HOLE; PRE-DRILLED,

3 MM ALUPANEL W/ PRINTED

RETROREFLECTIVE VINYL

TYP.; CONFIRM SIZE

TRAIL LOGO PANEL:

NOTE: SIGN GRAPHICS ARE FOR INFORMATION ONLY AND TO BE USED SOLELY FOR REFERENCE BY CONTRACTOR. FINAL

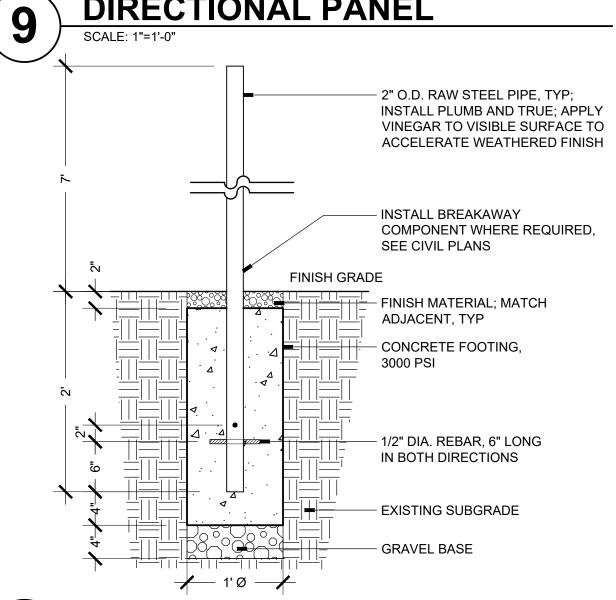
SIGN GRAPHICS TO BE SUPPLIED BY ARCHITECT.

TRAIL MARKER

**HEADER PANEL** 

GRAPHICS TO BE SUPPLIED BY ARCHITECT.

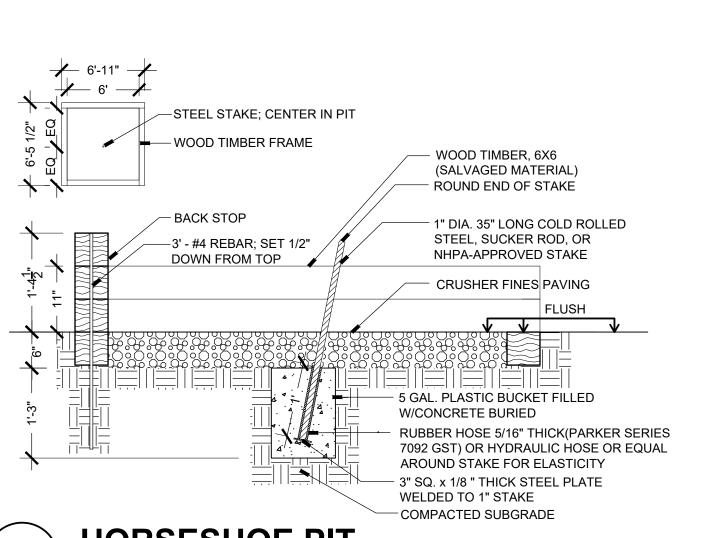
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SECTION

**HORSESHOE PIT** 

TRAIL MARKER



SECTION

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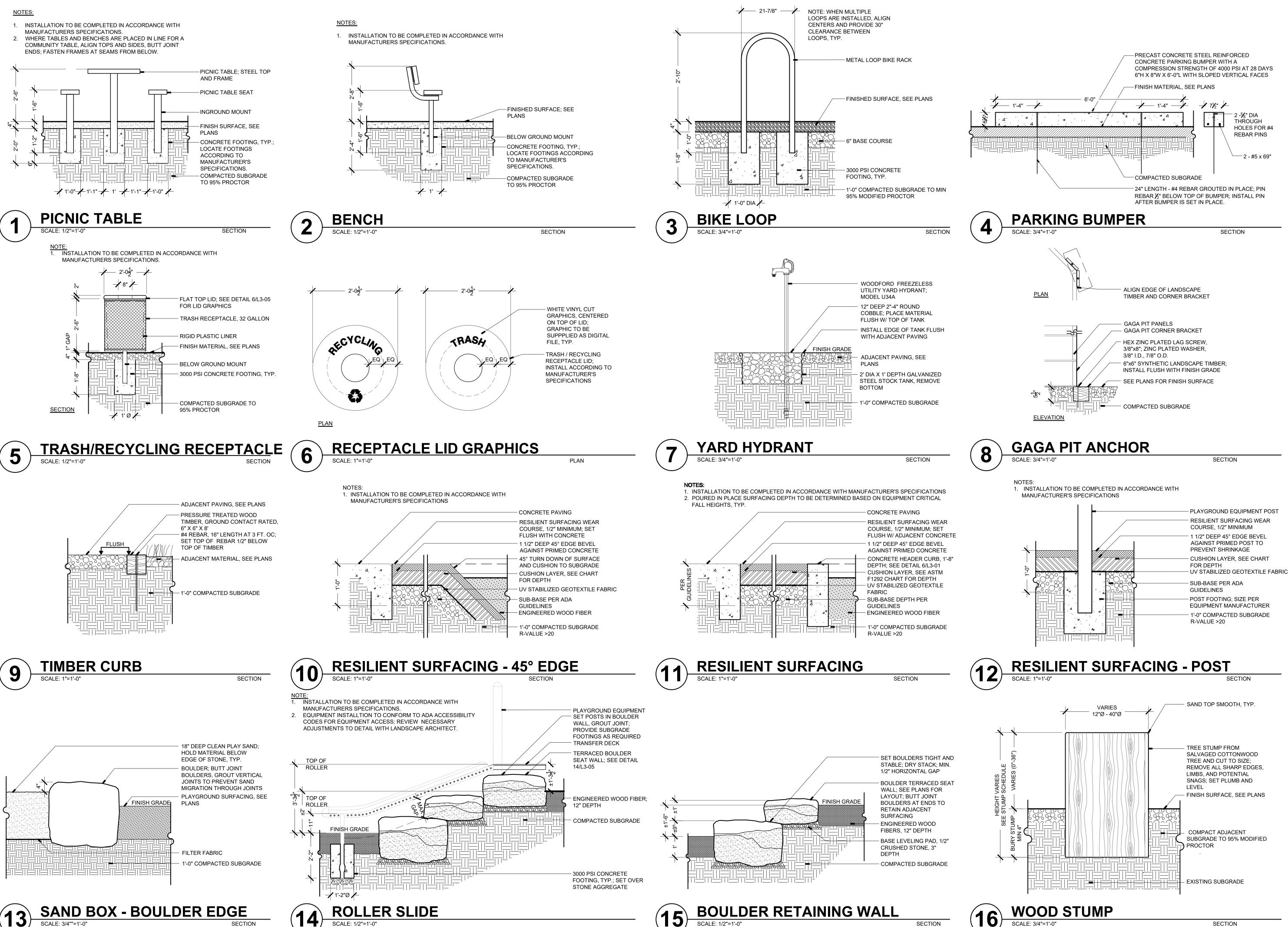
> 0 sign **O** 5

O. Milton CLAUDIA MEYER HORN VEME TABLE GISTERED EC

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