

City of Albuquerque Parks and Recreation Department

Department of Municipal Development 400 Marquette St. NW 87102 Fax 768-2310

TRANSMITTAL SHEET

Date: October 3, 2003

To: Chuck Salazar Recreation

Project file

From: David Flores, Senior Project Coordinator, DMD

Subject: Quintessence Park

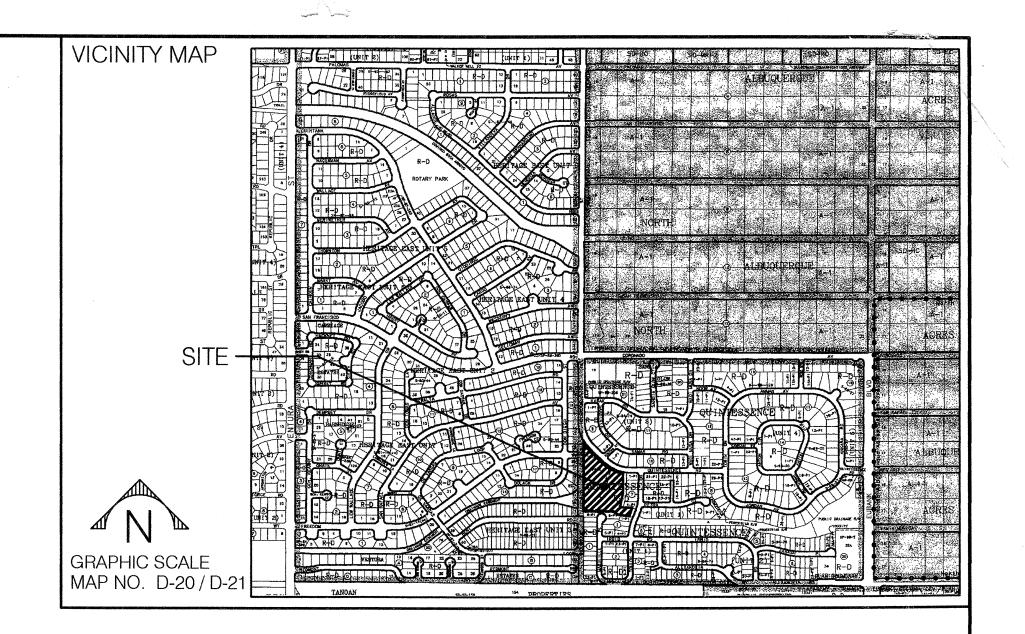
we transm	it for your:	
	FOR YOUR USE	(PER) YOUR REQUEST(Please Copy & Return)
	APPROVAL	REVIEW AND COMMENT
	XRECORD/FILE	FOR MATERIAL AND LABOR COST ESTIMATE
The followi	ng:	
	X_DRAWINGS	DISK
	SPECIFICATIONS	REDUCED IRRIGATION PLAN
	CHANGE ORDER	IRRIGATION AS-BUILTS
	DRAWING SUBMITTA	LSINSPECTION ANALYSIS
	CONSTRUCTION AS-I	BUILTS
Cc: David Flo	res. Senior Project Coordinator	

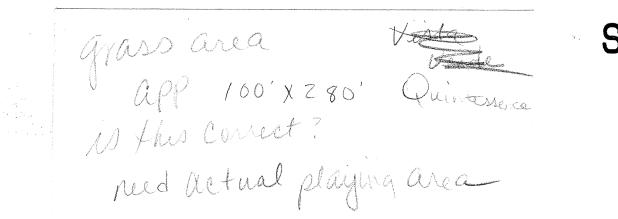
QUINTESSENCE PARK



City of Albuquerque Department of Municipal Development Park and Median Design Division Albuquerque, New Mexico

September 29, 2003







PLANNING / LANDSCAPE ARCHITECTURE CONSENSUS 924 PARK AVENUE SW

ALBUQUERQUE, NM 87102

(505) 764-9801

Property Information

Legal Description: Quintessence Unit 1 Meter Address: Quintessence Road NE Zoning: R-D Total Site Area: 5.1 acres Total Landscape Area: 86,803 SF (2.0 acres) Total Turf Area: 53,859 SF (1.24 acres) Parking Provided: 10 Standard / 2 Handicap

Consultants

Civil Engineering Smith Engineering Company 6400 Uptown Blvd. NE, Suite 500E Albuquerque, New Mexico 87110 (505) 884-0700

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UTILITY COMPANY CONTACTS

PNM-ELECTRIC

4201 Edith Boulevard NE Albuquerque, New Mexico 87107 (505) 241-0525

QWEST

201 Third Street NW, Suite 700 Albuquerque, New Mexico 87103 (505) 245-8706

PNM-GAS

COMCAST

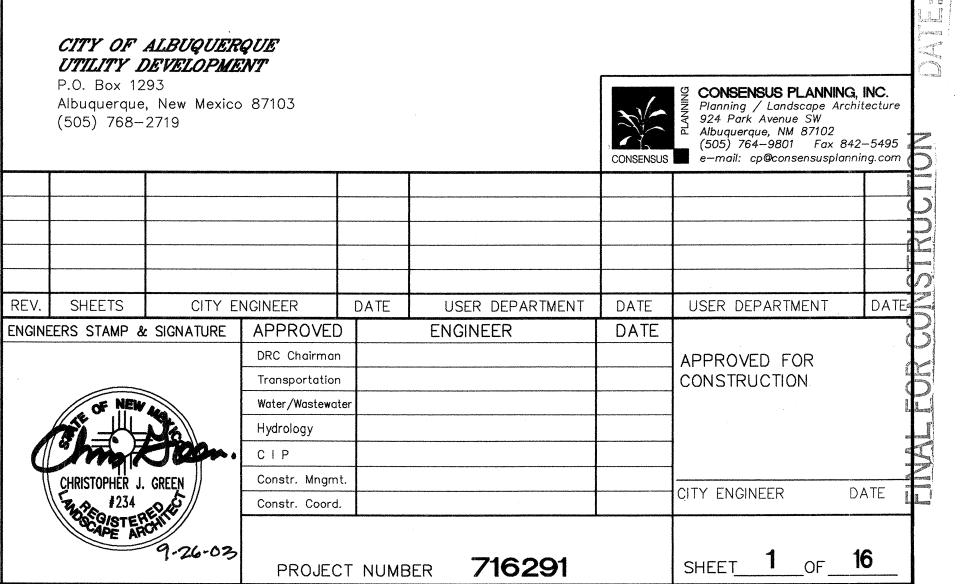
(505) 761-6235

(505) 241-7745

4611 Montbel Place NE

4625 Edith Boulevard NE

CALL BEFORE YOU DIG! Albuquerque, New Mexico 87107 STATEWIDE 1-800-321-ALERT ALBUQUERQUE 260-1990





- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR WILL SUBMIT A DETAILED CONSTRUCTION SCHEDULE TO THE CITY CONSTRUCTION COORDINATION DIVISION. TWO (2) DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF SPECIFICATIONS.
- 2 THE CONTRACTOR WILL NOTIFY THE FIELD ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK, IN ORDER THAT THE CITY SURVEY SECTION MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. THE CONTRACTOR WILL NOTIFY THE ENGINEER IF A MONUMENT IS DISTURBED. REPLACEMENT WILL BE DONE ONLY BY THE CITY OF ALBUQUERQUE SURVEY SECTION AT THE CONTRACTOR'S EXPENSE. WHEN A CHANGE IS MADE IN THE FINISHED ELEV. OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR WILL, AT HIS OWN EXPENSE, HAVE THE CITY SURVEY SECTION ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4 OF SPECIFICATIONS.
- THE SPECIFICATIONS USED FOR THIS PROJECT ARE THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1994 EDITION, UPDATE NO.6.
- 4 ALL NEW MANHOLES SHALL BE TYPE "E" (COA DWG. 2102) UNLESS OTHERWISE NOTED ON THE PLANS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS. INCLUDING, BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.
- ALL WATER VALVE BOXES AND MANHOLES IN THE STREET CONSTRUCTION ARE TO BE ADJUSTED TO FINISH GRADE AND WILL BE MEASURED AND PAID PER EACH.
- SUBGRADE PREPARATION UNDER SIDEWALKS AND DRIVE PADS, AND SUBGRADE AND SUBBASE PREPARATION UNDER CURB AND GUTTER IS CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH, AND NO DIRECT PAYMENT SHALL BE MADE FOR THOSE ITEMS OF WORK.
- THE CONTRACTOR WILL REPLACE ANY STRIPPING THAT HAS BEEN RUINED OR REMOVED IN THE COURSE OF CONSTRUCTION.
- 9 ALL EXCAVATION WILL BE GOVERNED BY FEDERAL, STATE AND LOCAL LAWS. RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
- ALL SIGNS AND CODING WILL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" CURRENT EDITION PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.
- THE CONTRACTOR IS TO EXERCISE CARE TO AVOID DISTURBING ANY EXISTING UNDERGROUND UTILITIES. IT WILL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION. SEE SECTION 18 "UTILITIES", CITY OF ALBUQUERQUE, STANDARD SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS.
- WHEN ABUTTING NEW PAVEMENT TO EXISTING INTERSECTING STREETS. SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AND AT RIGHT ANGLES AND REMOVE ANY BROKEN OR CRACKED PAVEMENT. NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING.
- ALL GAS VALVES, GAS MANHOLES, ELECTRICAL MANHOLES, TELEPHONE MANHOLES, AND UTILITY POLES WILL BE ADJUSTED TO GRADE BY EACH UTILITY COMPANY. CONTRACTOR WILL COORDINATE THROUGH CITY UTILITY COORDINATOR.
- WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE BACK TO NEAREST SUITABLE JOINT UNLESS OTHERWISE DIRECTED BY THE CITY FIELD ENGINEER.
- 15 THE CONTRACTOR WILL NOTIFY THE NEW MEXICO ONE CALL SYSTEM 260-1990 TWO (2) WORKING DAYS PRIOR TO COMMENCING WORK IN NEW AREAS.
- CONTRACTOR WILL MAKE ALL WATER VALVES AND MANHOLES ACCESSIBLE TO THE CITY AT ALL TIMES.
- CONTRACTOR WILL PLACE BITUMINOUS MATERIAL WITH THE USE OF A LAYDOWN MACHINE WHERE PAVEMENT IS 8 FEET IN WIDTH OR WIDER.
- ALL SUBGRADE AND SUBBASE MATERIAL ENCOUNTERED IN PAVEMENT REMOVAL AND REPLACEMENT THAT IS DETERMINED BY THE FIELD ENGINEER TO MEET THE SPECIFICATIONS, CAN BE REUSED. HOWEVER, THE MATERIAL WILL BE PROCESSED AND COMPACTED TO MEET MOISTURE CONTENT AND PERCENT COMPACTION REQUIRED BY THE SPECIFICATIONS.
- CONTRACTOR WILL NOT PAVE OVER ANY SURFACE FEATURE, I.E., GAS VALVE, MANHOLE COVER, ETC. WITHOUT PRIOR APPROVAL FROM THE CITY FIELD ENGINEER.
- CONTRACTOR WILL CONFINE HIS WORK WITHIN THE CONSTRUCTION EASEMENT LIMITS AND/OR RIGHT-OF-WAY, OR PROVIDE COPIES OF AGREEMENTS WITH ADJACENT LANDOWNERS TO THE CITY OF ALBUQUERQUE.
- ALL WATER VALVES AND FIRE HYDRANTS REMOVED TO BE SALVAGED AND RETURNED TO THE C.O.A.
- MINIMUM BOTTOM WIDTH OF TRENCHES FOR RIGID PIPE SHALL BE EQUAL TO THE OUTSIDE DIAMETER PLUS 16 INCHES. BEDDING MATERIAL SHALL BE CLASS II. III. OR IV UNLESS OTHERWISE SPECIFICALLY NOTED ON THE PLANS.
- MINIMUM BOTTOM WIDTH OF TRENCHES FOR NON-RIGID PIPE SHALL BE EQUAL TO THE OUTSIDE DIAMETER PLUS 12 INCHES. BEDDING MATERIAL SHALL BE CLASS I, II, OR III.
- THE CONTRACTOR AGREES TO TAKE NECESSARY SAFETY PRECAUTIONS AS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES TO PROTECT PEDESTRIAN AND VEHICULAR TRAFFIC IN THE CONSTRUCTION AREA, WHICH INCLUDE BUT ARE NOT LIMITED TO: MAINTAINING ADEQUATE WARNING SIGNS, BARRICADES, LIGHTS, GUARD FENCES, WALKS AND BRIDGES.
- ALL STRUCTURAL CONCRETE WILL BE 4000 PSI UNLESS OTHERWISE NOTED ON PLANS.
- 26 ALL REINFORCING STEEL WILL BE GRADE 60.
- ALL EXPOSED EDGES ON CAST-IN-PLACE CONCRETE STRUCTURES WILL HAVE A 1" CHAMFER UNLESS OTHERWISE NOTED.
- ALL SPLICES IN REINFORCING STEEL TO BE 2-FOOT 6-INCH MINIMUM UNLESS OTHERWISE NOTED.

- 29 PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL CONFLICTING UTILITIES. SHOULD A CONFLICT EXIST BETWEEN THE FIELD INFORMATION AND THE PLANS, THE CONTRACTOR WILL NOTIFY THE FIELD ENGINEER SO THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- THE REPLACEMENT OF THE EXISTING UTILITIES AND THE INSTALLATION OF NEW UTILITY LINES WILL BE COMPLETED IN ADVANCE OF STARTING THE PAVEMENT WORK. TEMPORARY PAVEMENT WILL BE PLACED IN ALL TRENCHES REQUIRED FOR THE UTILITY REPLACEMENTS IN THOSE AREAS THAT MUST MAINTAIN TRAFFIC UNTIL THE FINAL PAVEMENT WORK STARTS IN EACH AREA. TEMPORARY STRIPING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. MAINTENANCE OF THE TEMPORARY PAVING AND STRIPING WILL BE AT THE CONTRACTOR'S EXPENSE.
- TACK COAT FOR SURFACE COURSE REQUIREMENTS WILL BE DETERMINED BY THE FIELD ENGINEER.
- THE CONTRACTOR WILL CONTACT THE CITY OF ALBUQUERQUE TRAFFIC DIVISION 857-8025, ONE (1) WEEK IN ADVANCE OF ANY CHANGES REQUIRED IN THE TRAFFIC SIGNALIZATION OF THIS PROJECT. ALL WORK ASSOCIATED WITH NEW TRAFFIC SIGNALIZATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL NEW STREET PAVING, DRIVEWAYS, SIDEWALKS, AND CURB AND GUTTERS. ABUTTING EXISTING AREAS SHALL MATCH THE ELEVATION OF THOSE AREAS.
- PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. ROAD SHALL NOT BE OPENED TO TRAFFIC UNTIL IT IS STRIPED. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- ALL EXCAVATED MATERIAL THAT IS NOT REQUIRED TO BE REUSED MUST BE REMOVED FROM THE PROJECT AREA WITHIN FOUR DAYS OF EXCAVATION. SPOIL PILES WILL BE ALLOWED ONLY AS DIRECTED BY THE CITY FIELD ENGINEER.
- THE CONTRACTOR WILL COORDINATE THE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE THEIR ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS. A CONTRACT EXTENSION MAY BE ALLOWED AS DELINEATED IN CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS.
- 37 ALL CONSTRUCTION EASEMENTS ON PRIVATE PROPERTY WILL BE OBTAINED BY THE CITY OF ALBUQUERQUE PRIOR TO THE BEGINNING OF CONSTRUCTION.
- EXISTING MEDIAN CURB AND GUTTER AND STANDARD CURB AND GUTTER, NOT DISTURBED BY CONTRACTOR, BUT OUT OF ALIGNMENT, DISPLACED VERTICALLY, BADLY BROKEN AND/OR DETERIORATED, WILL BE REPLACED AS DIRECTED BY THE FIELD ENGINEER AND PAID FOR AT CONTRACT UNIT PRICES.
- ALL TRAFFIC CONTROL DEVICES REQUIRED FOR DRIVEWAY CLOSURES, UTILITY CONSTRUCTION OR FOR OTHER REASONS AND NOT SHOWN ON THE SIGNING PLANS WILL BE FURNISHED BY THE CONTRACTOR AND WILL BE PAID AS SPECIFIED IN THE TECHNICAL SPECIFICATIONS AND BID PROPOSAL. PRIOR TO PLACING THE TRAFFIC CONTROL DEVICES, THE CONTRACTOR WILL NOTIFY THE AFFECTED OWNERS IN ACCORDANCE WITH THE SPECIFICATIONS. CONTRACTOR MUST MAKE PROVISIONS TO PROVIDE ACCESS TO PROPERTIES. REFER TO SECTION 19 OF THE SPECIFICATIONS.
- ALL UTILITY LINES WHICH ARE NOT SPECIFICALLY DESIGNATED TO BE REMOVED AND REPLACED ON THE PLANS, WILL BE MAINTAINED IN SERVICE. SHORING, SHEETING AND OTHER MEANS OF SUPPORT SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT DAMAGE OR LOSS OF THESE EXISTING UTILITIES AND THESE SHORING, SHEETING, AND SUPPORTS ARE CONSIDERED INCIDENTAL TO THIS PROJECT. BEAM AND CABLE OR OTHER ADEQUATE SUPPORTS WILL BE USED FOR TEMPORARY SUPPORT OF ALL UTILITY LINES WHICH CROSS THE TRENCH. ANY DAMAGE TO EXISTING UTILITIES WILL PROMPTLY BE REPAIRED AT THE CONTRACTOR'S EXPENSE: THE CONTRACTOR WILL NOTIFY THE ENGINEER IMMEDIATELY OF ANY SIGNIFICANT DEVIATION OF EXPOSED UTILITIES FROM THE LOCATIONS SHOWN ON THE PLANS SO THAT CONFLICTS CAN BE RESOLVED IN A TIMELY MANNER.
- THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING COA INFRASTRUCTURE (C & G, PAVING, ETC.) DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND WILL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE. HE WILL SUITABLY PROTECT THE CURB AND GUTTER FROM INCIDENTAL SPLASHING DURING THE TACK COAT APPLICATION AND WILL BE RESPONSIBLE FOR CLEANING SAME AT HIS OWN COST SHOULD SPLASHING OCCUR.
- 42 ALL INTERFERING PORTIONS OF ABANDONED UTILITY LINES WHICH ARE EXPOSED AS A RESULT OF CONSTRUCTION WILL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
- 43 STATIONS OF STORM DRAIN INLETS ARE TO THE CENTER OF GRATE. ALL STORM DRAIN INLETS WILL BE TYPE "A" UNLESS OTHERWISE NOTED ON THE PLANS.
- SHORING COSTS WILL BE CONSIDERED INCIDENTAL TO THE TRENCH AND BACKFILL
- THE CONTRACTOR WILL BE RESPONSIBLE FOR SECURING NPDES PERMITS REQUIRED BY APPLICABLE CITY, STATE, AND FEDERAL REGULATIONS.
- ALL STORM DRAIN AND CONNECTOR PIPE WILL BE CLASS IV REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED ON THE PLANS.
- THE TERM REMOVE USED IN THIS PLAN SET INCLUDES THE DISPOSAL OF SAID MATERIAL IN ACCORDANCE WITH CITY OF ALBUQUERQUE SPECIFICATIONS, LATEST EDITION.
- CONTRACTOR WILL SURVEY AND LOG EXISTING ELEVATIONS OF CURB-AND-GUTTER, SIDEWALK, AND PAVEMENT WHICH WILL BE REMOVED FOR CONSTRUCTION OF IMPROVEMENTS. CONTRACTOR WILL REPLACE REMOVED CURB-AND-GUTTER, SIDEWALK, DRIVE PADS. AND PAVEMENT TO ELEVATIONS PRIOR TO REMOVAL UNLESS OTHERWISE INDICATED ON THE PLANS.
- CONTRACTOR WILL CONSTRUCT TEMPORARY ASPHALT PAVEMENT AS DIRECTED BY THE FIELD ENGINEER TO PROVIDE ACCESS TO LOCAL BUSINESS, ETC. TEMPORARY PAVEMENT SHALL BE REMOVED AND DISPOSED OF PRIOR TO PLACEMENT OF FULL WIDTH PAVEMENT SECTION. TEMPORARY PAVING SHALL BE PER COA STD. DWG. 2415 AND PAID FOR PER COA STD. SPECIFICATIONS.

- 50 ALL CLASSES OF SEEDING SHALL BE DRY LAND MIX PLACED AT 1.5 LBS/1000 S.F. WITH FERTILIZER 21-12-12 PLACED AT 5 LBS/1000 S.F.
- ALL ASPHALTIC CONCRETE SHALL BE MINIMUM 1800 LB. STABILITY AND COMPACTED TO 95% MODIFIED MARSHALL DENSITY UNLESS OTHERWISE NOTED ON THE PLANS.
- ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR (24) HOUR CONSTRUCTION.
- 53 ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION, 857-8200, TO INITIATE IMPLEMENTATION OF THE NON-PRESSURIZED CONNECTION PLAN.
- FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

EXISTING FEATURES LEGEND:

EXISTING WOOD POST FENCE EXISTING CHAIN-LINK FENCE EXISTING GAS LINE W/ VALVE EXISTING WATERLINE W/ VALVE EXISTING WATERLINE METER EXISTING FIRE HYDRANT EXISTING SANITARY SEWER and Jon 32 miles and LINE W/ MANHOLE EXISTING STORM DRAIN EXISTING OVERHEAD ELECTRIC W/POLE

EXISTING UNDERGROUND ELECTRIC EXISTING 1' CONTOUR

EXISTING 5' CONTOUR

EXISTING CURB & GUTTER

EXISTING CONCRETE EXISTING BUILDING LINE

EXISTING EASEMENT LINE

EXISTING SPRINKLER HEAD

NEW FEATURES LEGEND:

CONSTRUCTION CENTERLINE ----× NEW CHAIN-LINK FENCE ----2" HPG NEW GAS LINE W/ VALVE ----6" W NEW WATERLINE W/ VALVE NEW WATERLINE METER **NEW FIRE HYDRANT** NEW SANITARY SEWER LINE W/ MANHOLE NEW STORM DRAIN W/ MH **NEW UTILITY POLE**

NEW 1' CONTOUR

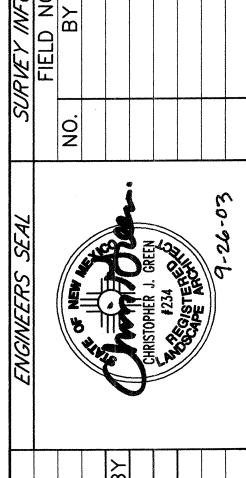
NEW 5' CONTOUR NEW CURB & GUTTER

NEW CONCRETE

---- NEW EASEMENT LINE

POT HOLE LOCATION W/ NO.

NEW EDGE OF PAVEMENT



DAT DAT DAT DAT DAT

CONTRACTOR STATEMENT OF THE PROPERTY OF THE PR	3/2	PLANNING
T. C.	CONSENSUS	

TITLE:

CONSENSUS PLANNING, INC. Planning / Landscape Architecture 924 Park Avenue SW

Albuquerque, NM 87102 (505) 764-9801 Fax 842-5495 e-mail: cp@consensusplanning.com CITY OF ALBUQUERQUE

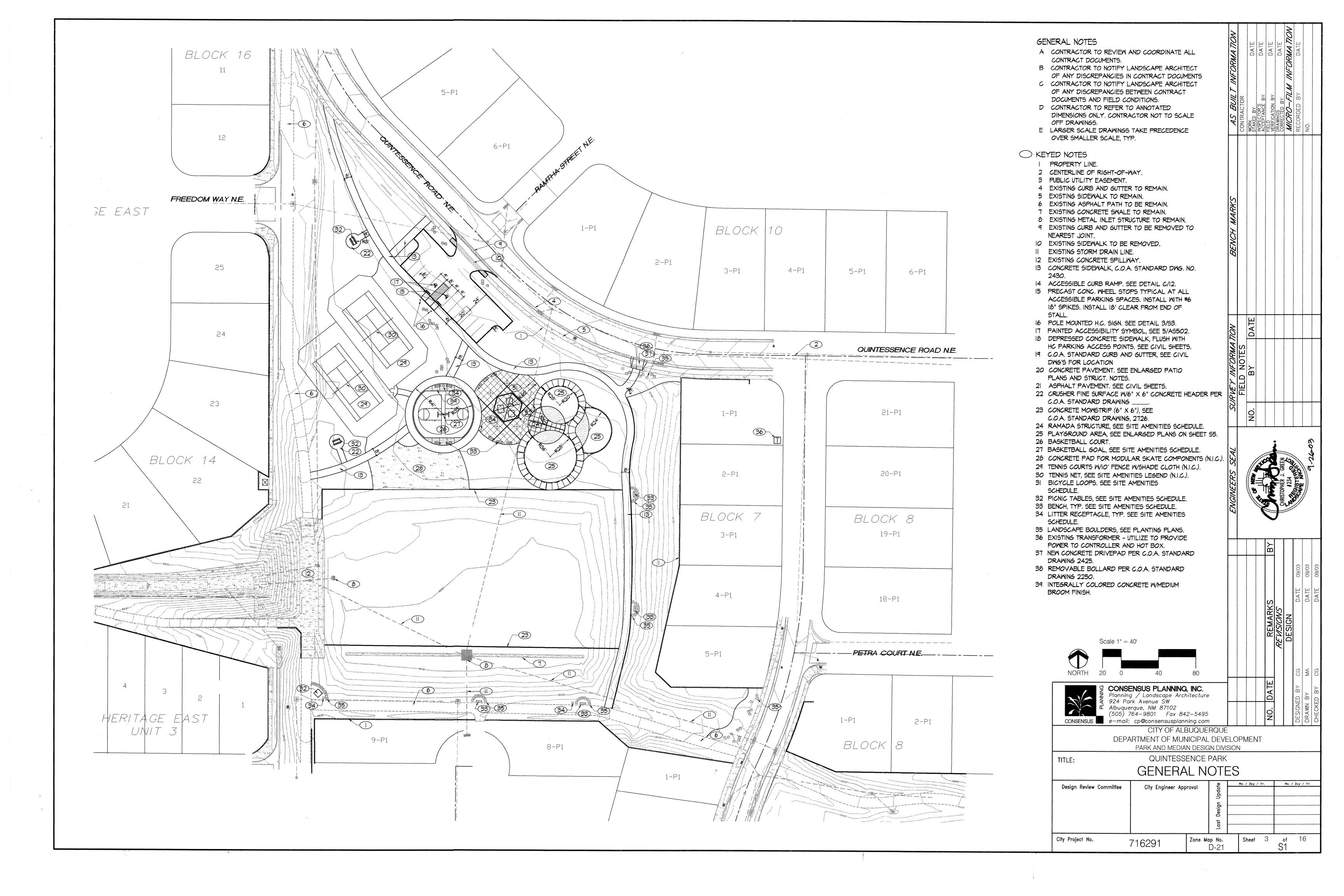
DEPARTMENT OF MUNICIPAL DEVELOPMENT PARK AND MEDIAN DESIGN DIVISION

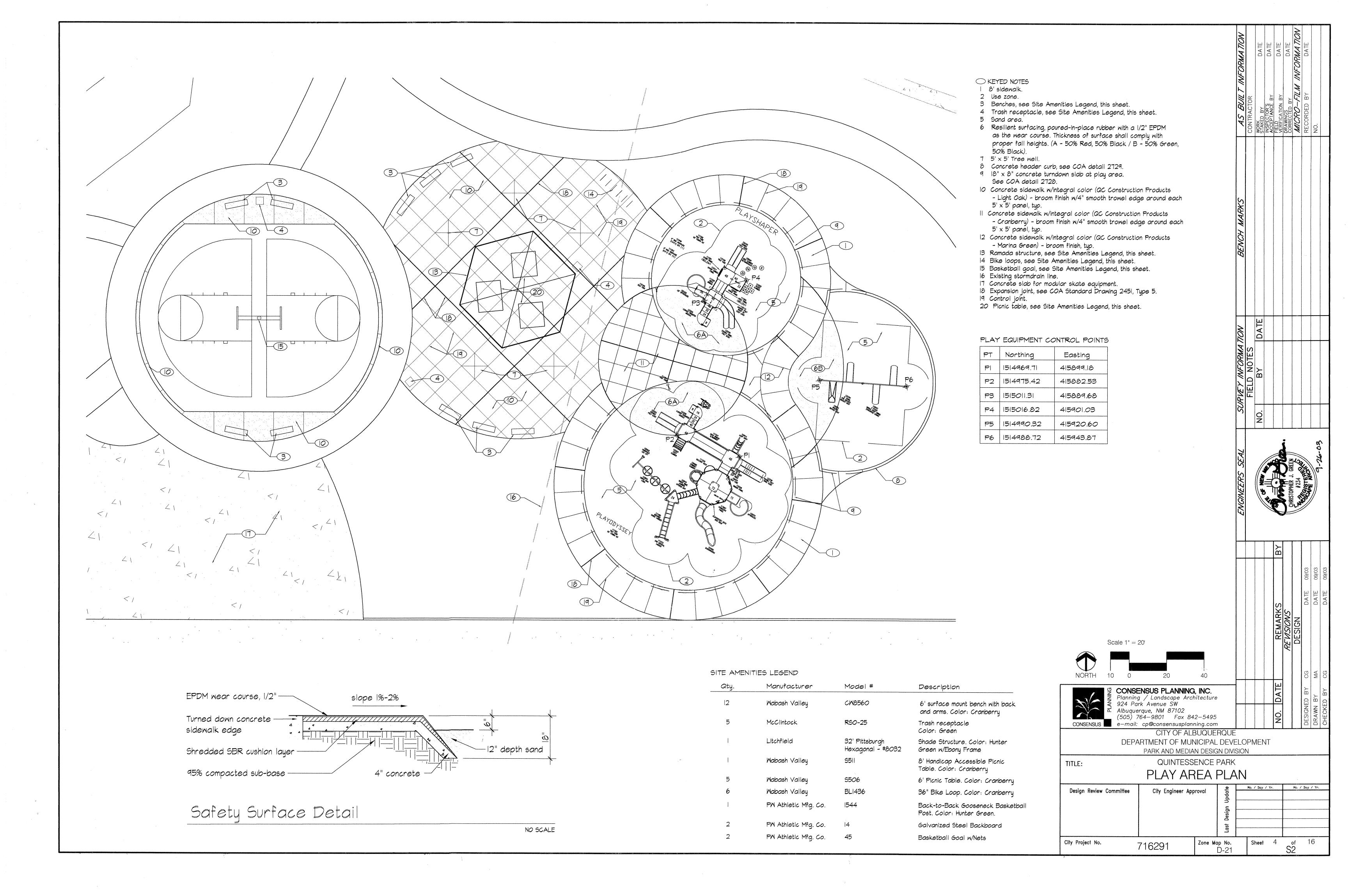
QUINTESSENCE PARK

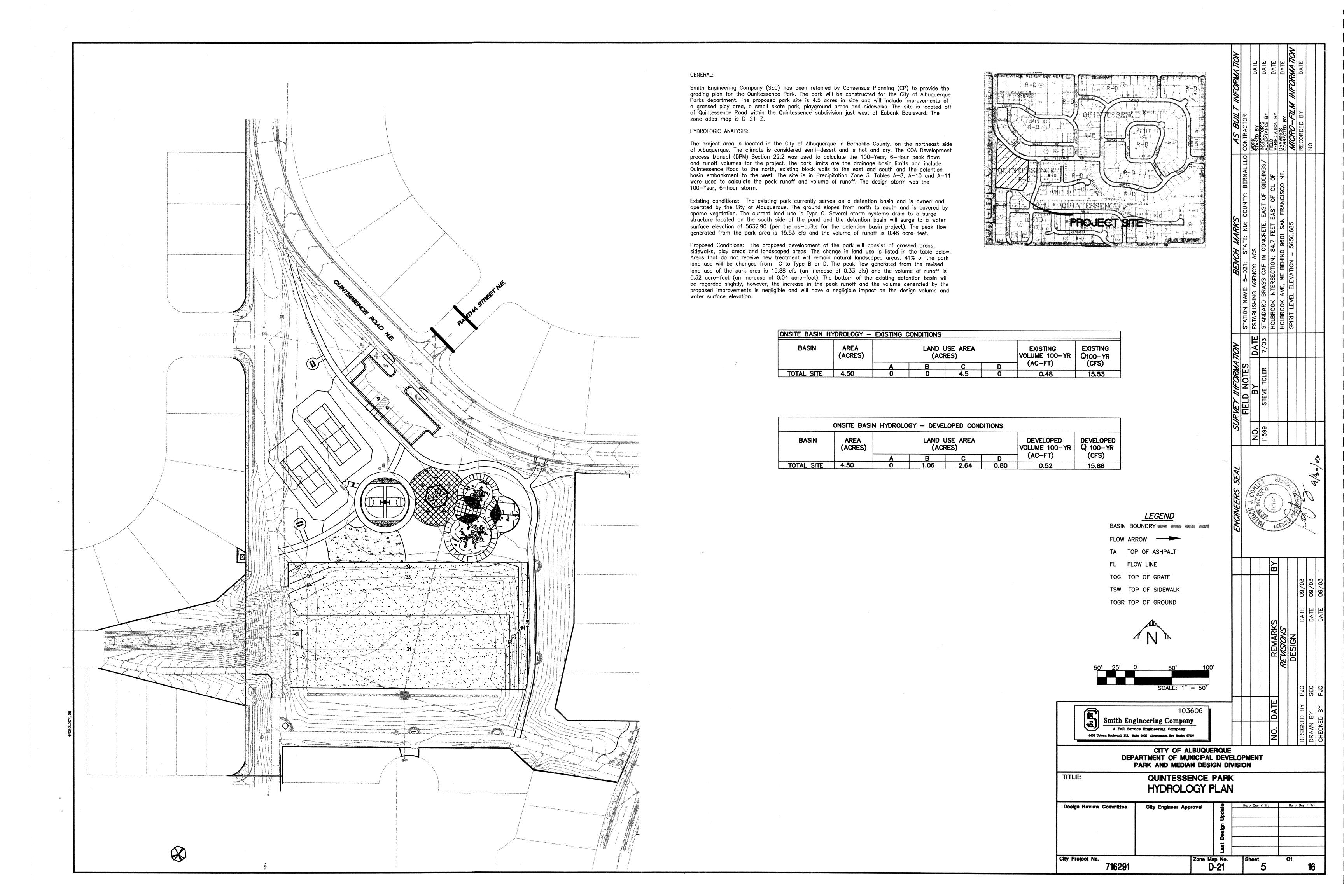
GENERAL NOTES

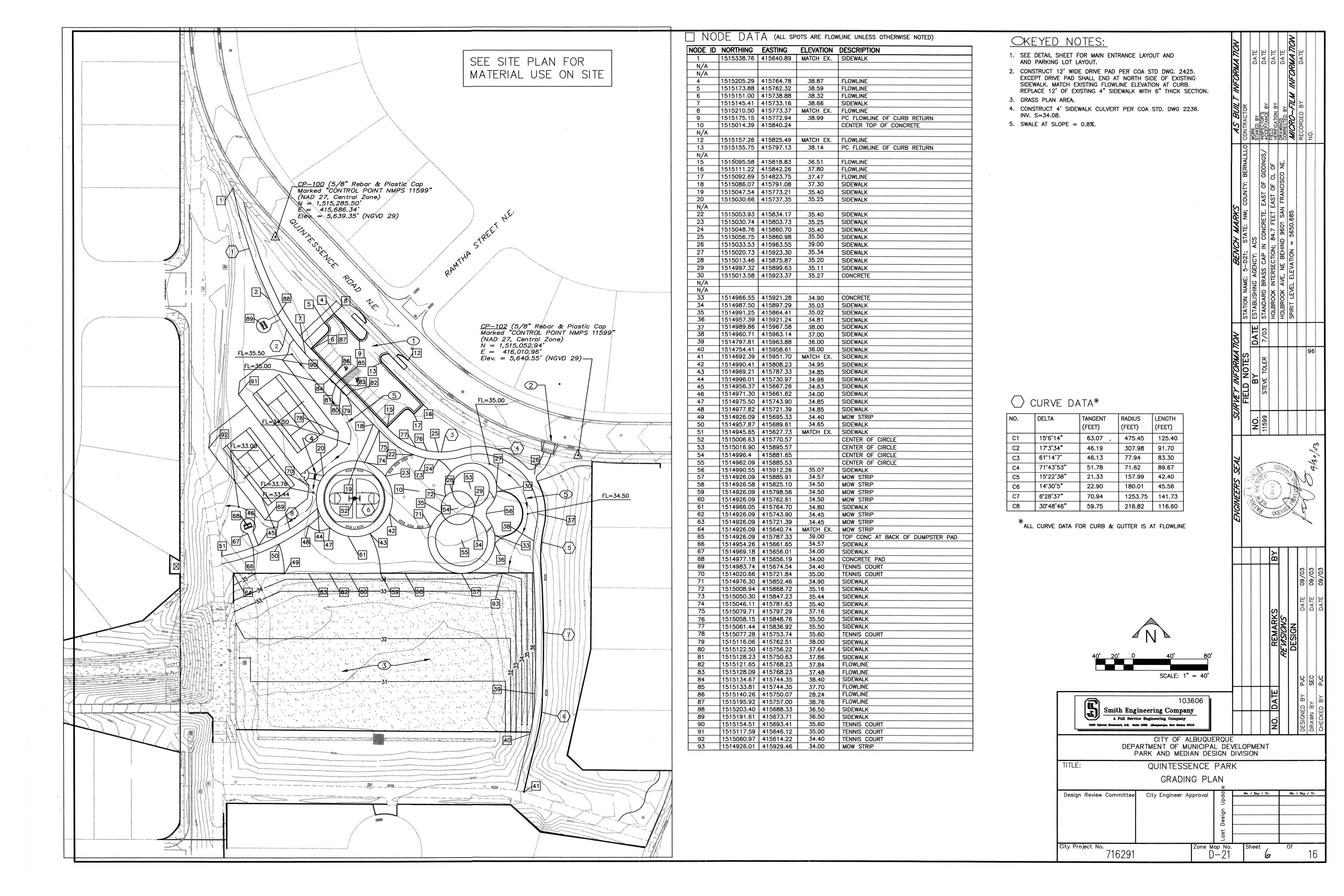
Design Review Committee City Engineer Approval **Sheet** 2 **Of** 16 City Project No. Zone Map No. 716291

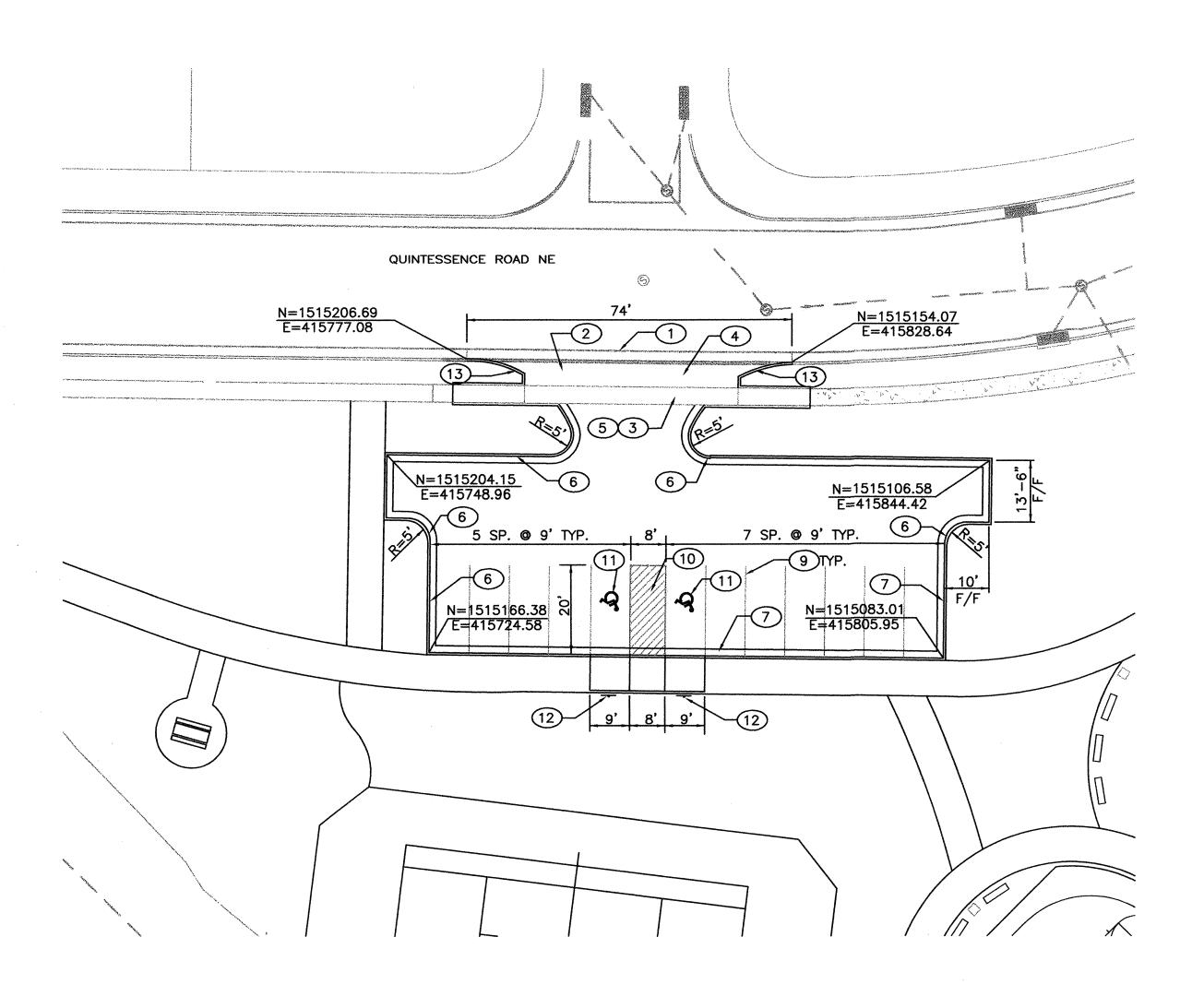
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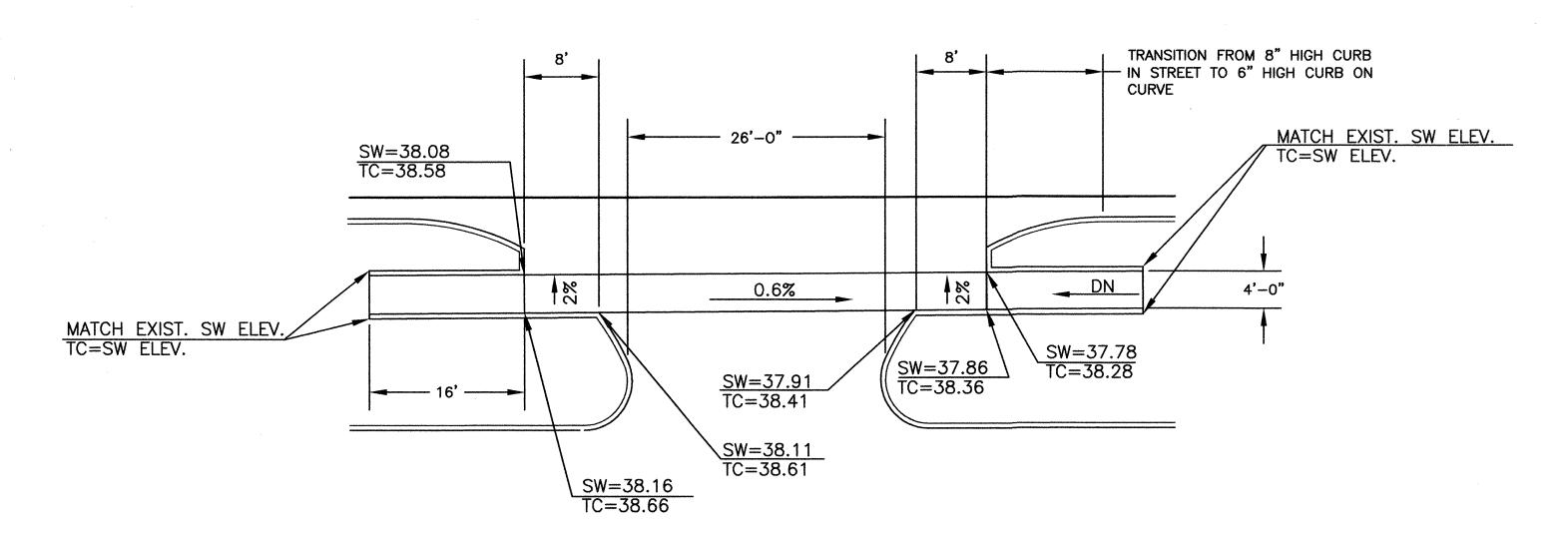








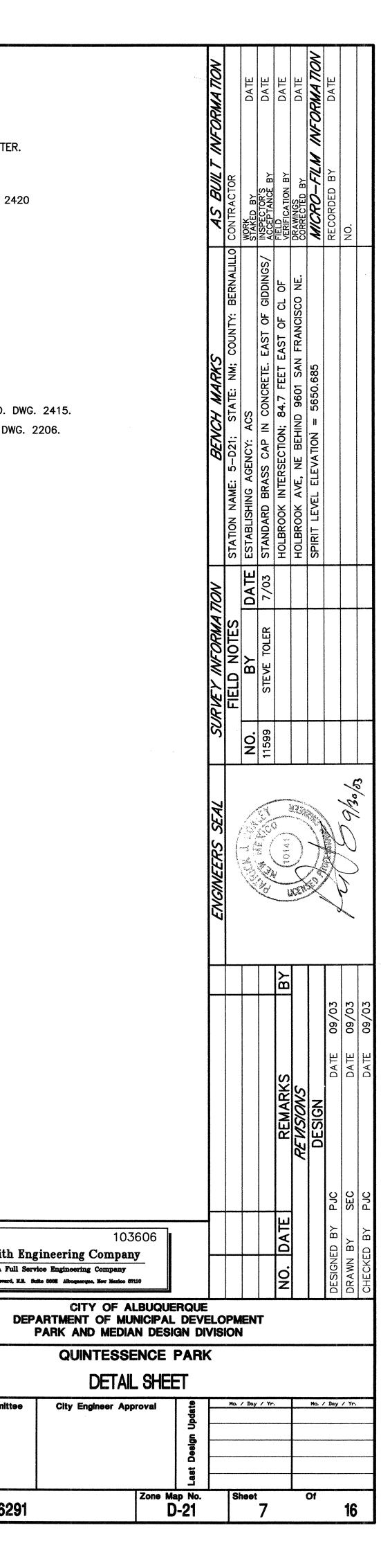
PARKING LOT LAYOUT SCALE:1"=20'



ENLARGED PLAN SCALE:1"=10'



- 1. REMOVE AND DISPOSE OF 74 L.F. OF EXISTING CURB & GUTTER.
- 2. REMOVE AND DISPOSE OF EXISTING LANDSCAPING.
- 3. REMOVE AND DISPOSE OF ____L.F. OF EXISTING SIDEWALK.
- 4. CONSTRUCT NEW PCC VALLEY GUTTER PER C.O.A. STD. DWG. 2420 EXCEPT VALLEY GUTTER SHALL EXTEND BACK TO SIDEWALK.
- 5. CONSTRUCT NEW SIDEWALK PER C.O.A. STD. DWGS. EXCEPT SIDEWALK SHALL BE 6" THICK IN TRAFFIC AREAS.
- 6. CONSTRUCT 6" MEDIAN CURB WITH 2% DEPRESSED PAN PER C.O.A. STD. DWG. 2415.
- 7. CONSTRUCT 6" MEDIAN CURB PER C.O.A. STD. DWG. 2415.
- 8. CONSTRUCT ASPHALT PAVING PER DETAIL THIS SHEET.
- 9. 4" WIDE WHITE STRIPE.
- 10. 4" WIDE BLUE STRIPING AT 45 DEGREE ANGLE WITH 4" BLUE OUTLINE.
- 11. BLUE HANDICAP SYMBOL.
- 12. INSTALL HANDICAP PARKING SIGN.
- 13. CONSTRUCT 8" STANDARD CURB AND GUTTER PER C.O.A. STD. DWG. 2415.
- 14. CONSTRUCT SINGLE TYPE "D" CATCH BASIN PER C.O.A. STD. DWG. 2206.



Smith Engineering Company

TITLE:

City Project No.

716291

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

1. SITE DESCRIPTION

a. Description and nature of construction activity: Intended use of the property is for construction of a public park. The native vegetation for the site is sparse native grasses and desert type vegetation. The proposed site will be developed as a public park.

The Erosion and Sediment Control Plan (ESCP) is a sheet of this SWPPP. All drainage patterns, areas of soil disturbance, structural controls, and nonstructural controls will be shown on the ESCP. The first major activities that will disturb the soil will consist of the clearing and grubbing the site. After clearing and grubbing are complete, earthwork will begin. After earthwork, the site will be graded to the proposed elevations. The site will consist of both cut and fill areas.

b. Sequence of Construction Activities

Contractor shall provide final construction schedule after bidding.

- Construct the silt fences and straw bale barriers as necessary
- Clear and grub the site 3. Begin grading the site
- 4. Start construction of park
- 5. Pave parking lot
- 6. Complete grading and install permanent seeding and planting
- or surface treatment as approved 7. Remove all temporary erosion and sediment control devices (only if site is stabilized). The site is stabilized when all soil disturbing activities are completed and a landscaped cover for unpaved areas, and areas not covered by

permanent structures, has been employed Important: The contractor shall be responsible for implementing, restoring and/or revising the temporary sediment and erosion control measures (silt fences, straw bale barriers, etc.) as necessary during construction to help prevent soil erosion and storm water pollution. Ongoing inspection and maintenance records MUST be kept throughout the project to the

Notice of Termination (NOT) c. The total area of disturbance for this street and storm drain project is 4.5 acres as shown on the ESCP under "Site Description". Clearing, grading and construction of the site shall proceed in accordance with the general notes on the ESCP and the most current Grading and Drainage Plan, and Landscape Plan.

d. Hydrologic Information (before and after runoff coefficients, etc.) is shown on the ESCP under "Site Description". The storm water from the site will outfall to a storm drain system that outfalls to a lined arroyo.

e. See vicinity map on "Erosion and Sediment Control — Plan" (ESCP) for location and legal description. See the ESCP (attached) for the drainage patterns, soil disturbance areas and the locations of all SWPPP measures. The site will require grading in accordance with the attached ESCP or the most current approved Grading and Drainage Plan (not part of this SWPPP).

- f. There are no industrial activities that will occur on this construction site. No concrete or asphalt plants will be located on or adjacent to this site. g. The receiving waters from this project is the Rio Grande River.
- h. A copy of the Permit Requirements as listed in the Federal Register are attached to this document.

2. CONTROLS

a. Erosion and Sediment Controls

- (1). Short and Long Term Goals (a). The short and long term goals of the Erosion and Sediment Controls are to retain sediment on the site to the maximum extent possible.
- (2.) Stabilization Practices

accordance with the ESCP.

(a) Temporary Seeding: Disturbed areas where construction has temporarily ceased must (4). The spill area shall be kept well ventilated and personnel shall wear appropriate be stabilized within fourteen (14) days of the last disturbance. Areas that will again be disturbed within twenty-one (21) days do not have to be stabilized. Refer to the ESCP, Grading Plan and seeding specifications.

(b) Permanent Stabilization: Disturbed portions of the site where construction activity has permanently stopped shall be permanently seeded as required. These areas shall be seeded no later than 14 days after the last construction activity in that area. Refer to the ESCP, Grading and Drainage Plan and seeding specifications.

(3) Structural Practices: (all are "temporary" unless noted as "final")

(a). Silt Fence: Silt fences shall be placed and constructed in accordance with the ESCP. (b). Straw Bale Barriers: Straw bale barriers shall be placed and constructed in

(c). Inlet and Outlet Protection: Inlet and Outlet protection shall be installed at proposed detention pond inlets and curb opening outlets in accordance with the ESCP and the approved Grading and Drainage Plan.

(d). Rock Outlet Protection: Hand placed rip—rap pads shall be provided at discharge points in accordance with the ESCP and the approved Grading and Drainage Plan. These rip—rap pads will provide velocity dissipation and shall be placed as soon as practicable. (e). Slope Protection: Drainage ditches to be installed at the top and toe of slopes as shown on the Grading Plan. All slopes to be stabilized with Sod. Straw. Mulch or an approved wire or jute mat or combination of the above. Hydro seed slopes as required. (f). Drainage Systems: All Drainage systems (storm drains (final), detention ponds, etc.) are to be installed per the approved Grading and Drainage Plan and any subsequently approved document. All drainage systems are to be protected in place.

(g). Sediment and Storm Water Runoff Basin: The total construction site area is 4.5 acres. EPA regulations require that a sediment basin / storm water basin be installed to contain the 2-yr. 24-hour storm water runoff volume if the site disturbs greater than 10 acres. Therefore, a sediment and storm water runoff basin is not required and the other controls as listed in this SWPPP will provide adequate sediment and erosion control.

b. Storm Water Management

(1.) Temporary Storm Drain Inlets and inlet protection will be installed as shown on the ESCP and associated details to provide storm water management after construction is completed. Existing Depression areas will be utilized as sediment and storm water management, storm water will outfall to the temporary storm drain inlets.

(2.) Velocity dissipation will occur due to silt fence installation at locations of flow concentration.

c. Other Controls

(1). Temporary Construction Entrances: Off-site vehicle tracking of sediment shall be controlled by providing temporary gravel construction entrances. When the action of vehicles traveling over the gravel construction entrances is not sufficient in removing the majority of the mud, the tires must be washed before the vehicles enter a public road. When off-site tracking occurs, the deposits shall be removed from the roads.

- (2). Temporary Parking and Storage: A temporary parking and storage area (gravel base) shall be established by the contractor on the site. The temporary parking and storage area shall also be used as the equipment maintenance area, equipment cleaning area, employee break area, and area for locating portable facilities, office trailers, and toilet
- (3). Dust Control: Dust on the site shall be minimized by sprinkling water on dry greas of the site. The use of motor oils and other petroleum based toxic liquids for dust suppression operations are prohibited.
- (4). Construction Waste: All construction waste and trash (paper, plastic, wood, scrap metals, rubber, etc.) Shall be collected and stored in containers with lids or covers that can be placed over the container prior to rainfall. This waste shall be disposed of according to state and local solid waste management regulations.
- (5). Hazardous Waste: All hazardous waste (paints, acids for cleaning masonry surfaces, cleaning solvents, concrete curing compounds and additives, etc.) shall be disposed of according to local, state and federal regulations. Any hazardous wastes locations will be shown on the ESCP.
- (6). Sanitary Waste: Sanitary waste that is generated on the site shall be disposed of in accordance with local and state regulations.
- (7). Concrete Truck Waste: Excess concrete and wash water shall be disposed of in a manner that prevents contact between these materials and storm water that is discharged from the site.
- (8). Vehicle and Equipment Cleaning: Wash water generated from vehicle and equipment cleaning shall be disposed of in a manner that prevents contact between these materials and storm water that is discharged from the site.

Material Management

- (1). Petroleum Products: All on-site vehicles shall be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products (oils, gasoline, lubricants, asphaltic substances, etc.) shall be stored in tightly sealed containers which are clearly labeled. Any asphalt substances used on-site will be applied according to the manufacturer's recommendations.
- (2). Paints: All containers shall be tightly sealed and stored when not required for use. Excess paint shall not be discharged to the storm sewer or temporary ponding area but will be properly disposed of according to manufacturer's instructions or state and local requirements.
- (3). Fertilizers: Fertilizers used shall be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer shall be worked into the soil (4 to 6 inches) to limit exposure to storm water. Fertilizers shall be stored in a covered
- (4). Hazardous Products: Products shall be kept in original containers unless they are not resalable. Original labels and material safety date shall be retained (the labels contain important product information). If surplus products must be disposed of, local, state, and federal requirements shall be followed.

Spill Control Practices

- (1). Materials shall be tightly sealed in containers that are clearly labeled and shall be neatly and securely stacked.
- (2). Materials and equipment necessary for spill cleanups shall be kept in the material storage area on-site.
- (3). All spills shall be cleaned up immediately after discovery.
- protective clothing to prevent injury from contact with a hazardous substance.
- (5). Spills of toxic or hazardous materials shall be reported to the appropriate local, state and federal government agencies as soon as possible, regardless of the size.
- (6). Contaminated materials shall be disposed of according to local, state and federal
- (7). One person shall be selected to be the spill prevention and cleanup coordinator. Good House Keeping

(1). Neat and orderly storage of any chemicals, fertilizers, fuels, etc., that are being

The following good housekeeping practices shall be followed on—site during the construction

- (2). Regular garbage, rubbish, construction waste, and sanitary waste disposal.
- (3). Prompt cleanup of any spills that have occurred. (4). Cleanup of sediment that has been deposited off of the site by vehicle tracking, wind,

3. MAINTENANCE

and storm water.

All measures stated in this SWPPP and shown on the ESCP for the prevention of storm water pollution and erosion control shall be maintained in complete functional condition until the final stabilization of the site. All erosion and sedimentation control measures shall be cleaned and repaired in accordance with the following ("ESCP" and the "Detail" Sheet for construction details):

- (1). The straw bales used for the straw bale barriers shall be fixed or replaced if they show signs of undermining or deterioration.
- (2). All seeded areas shall be checked regularly to see that a good stand of grass is maintained. Areas should be reseeded and fertilized as needed to provide a good stand of arass for erosion control.
- (3). Silt fences shall be repaired to their original conditions if damaged. Sediment shall be removed from the silt fences when it reaches one—third to one—half the height of the silt fence.
- (4). The construction entrances shall be maintained in a condition which will prevent tracking or flow of mud onto public rights-of-way. This may require periodic top dressing as conditions demand.
- (5). The temporary parking and storage area shall be kept in good condition (suitable for parking and storage). This may require periodic top dressing as conditions demand.
- (6). If the stones in the block and aggregate inlet sediment filters become clogged with sediment, the stones shall be pulled away, cleaned and replaced.
- (7). The responsible party will keep a separate log book an "Inspection / Maintenance/ Storm" records. The detailed qualifications of the inspector will be kept in the log book and inspections will be performed on a periodic basis. Repairs must begin within 7 days of noted problem — all inspections, repairs, maintenance must be documented.

(8). A "washout area" will be designated by the contractor to show when debris and excess concrete will be disposed of. Upon completion of the project all debris — material will be disposed of by proper disposal measures.

4. INSPECTION and RETENTION OF RECORDS

Qualified personnel shall inspect all erosion, sedimentation, and storm water pollution devices stated in this SWPPP and shown on the ESCP at least once every 14 calendar days and within 24 hours of the end of a rainfall event of 0.5 inches or more or equivalent snowfall. Disturbed areas and areas used for material storage that area exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage systems. Erosion and sediment control measures identified in this SWPPP and shown on the ESCP shall be inspected to ensure that they are operating correctly. Discharge locations shall be inspected to ascertain whether the erosion and sedimentation control measures are effective in preventing significant impacts to receiving waters.

Based on the results of the inspection, the SWPPP and the ESCP erosion and sedimentation control measures shall be revised or modified as appropriate, but in no case shall it take more than 7 calendar days following the inspection to revise or modify the SWPPP and the ESCP. An "Inspection / Maintenance / Storm" records must be retained as part of the

5. NON-STORM WATER DISCHARGE

Anticipated non-storm water discharges on the construction site may include the following:

- (1). Water line flushing from the newly installed water lines. Silt fences shall be used to collect sediment from water that is flushed from new water lines.
- (2). Discharge from fire fighting activities. Any materials from fire fighting activities that may pollute the storm water shall be disposed of in a proper manner.
- (3). Water discharge from dust control. Silt fences shall be used to collect sediment from discharge waters associated with dust control.
- 6. APPROVED STATE OR LOCAL PLANS and SWPPP KEPT AT SITE

To the best knowledge of all parties involved with implementation of this SWPPP, all measures and consideration specified in this plan meet the requirements of the NPDES General Permit for Storm Water Discharges from Construction Activities as listed in the Federal Register / Vol. 63, No. 128 / Monday. July 6 1998 Notices (page 36498) and Part IV. Storm Water Pollution Prevention Plans. (page 36502), This Plan was prepared in accordance with the EPA Storm Water Management Requirements for Construction Activities. A copy of these pages are attached as part of this SWPPP. Both the Regulations and the SWPPP must be kept at the construction site at all times.

EPA General Permit No. NMR10*### (page 36498) (The specific permit number is supplied by the EPA after approval of the NOI)

7. SIGNATURE REQUIREMENTS

The contractor shall obtain and sign copies of the following forms / plans, reports, certifications as required by NPDES and the General Permit for Storm Water discharges from construction activities, as required by the permit during the period the permit is active on this site. All records are to be kept on site and presented to authorized officials as noted in the permit.

Notice of Termination (N.O.T.) Notice of Intent (N.O.I.). Storm Water Pollution Prevention Plan (SWPPP) Certifications

When the site has been stabilized by permanent seeding, mulching, paving, landscaping, sodding, etc., the permit shall be terminated. The Operator (General Contractor) shall submit a Notice of Termination (Form N.O.T.) of the General Permit to discharge storm

8. EPA CHECKLIST

See www.EPA.GOV/REGION6/SW for the latest EPA checklist.

9. STORM WATER POLLUTION PREVENTION PLAN and EROSION AND SEDIMENTATION CONTROL PLAN CERTIFICATION

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that gualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations".

	ase print): Engineer		Conley,	PE	-
Signature:	•	 f I	_		

10. CONTRACTOR / SUBCONTRACTOR CERTIFICATION

"I certify, under penalty of law, that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) Permit that authorizes the storm water discharge associated with commercial activity from the construction site identified as part of this certification. Further, by my signature, I understand that I am becoming a co-permittee, along with the owner(s) and other contractors and subcontractors signing such certifications, to the general NPDES permit for the storm water discharges associated with commercial activity from the identified site. As a co-permittee, I understand that I. and my company, are legally required under the Environment Protection Act and the Clean Water Act to ensure compliance with the terms and conditions of the Storm Water Pollution Prevention Plan developed under the NPDES permit and the terms of the NPDES permit."

NOTE: The General Contractor and any Subcontractors involved with the implementation of this Storm Water Pollution Prevention Plan shall sign an individual copy of this certification and state in the space provided the measures in which they are responsible for performing (make copies if needed).

Please check one (X) CONTRACTOR (): SUBCONTRACTOR ()
COMPANY NAME: ADDRESS: TELEPHONE:	÷
SITE: LOCATION (CITY, STATE, Zip):	

CONTRACTOR / SUBCONTRACTOR CERTIFICATION

CONTINUED IN NEXT COLUMN

Signature:		WFORMA TION		DATE	DATE	DATE	DAIE MEORNA TION	DATE		
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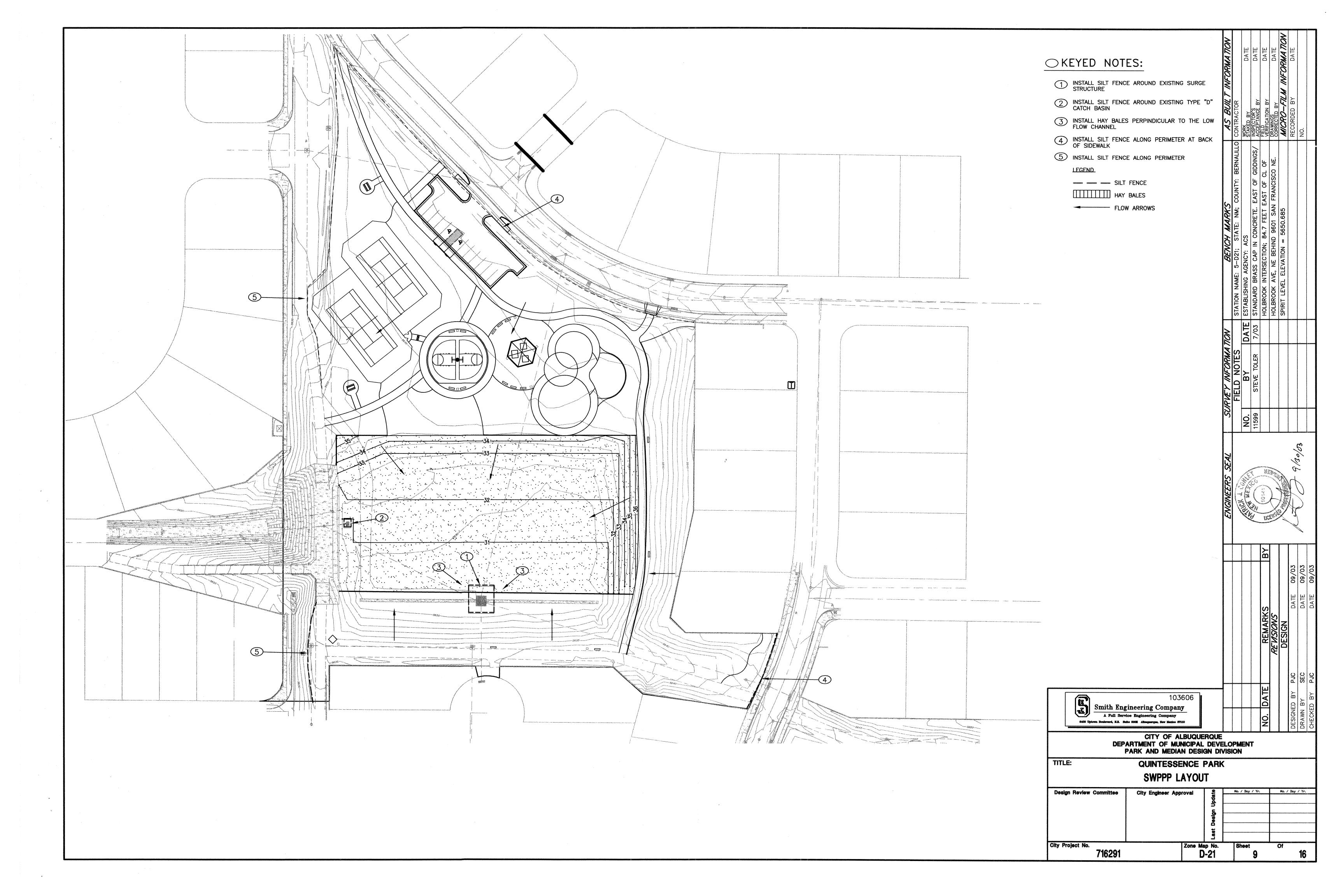
Design Review Committee

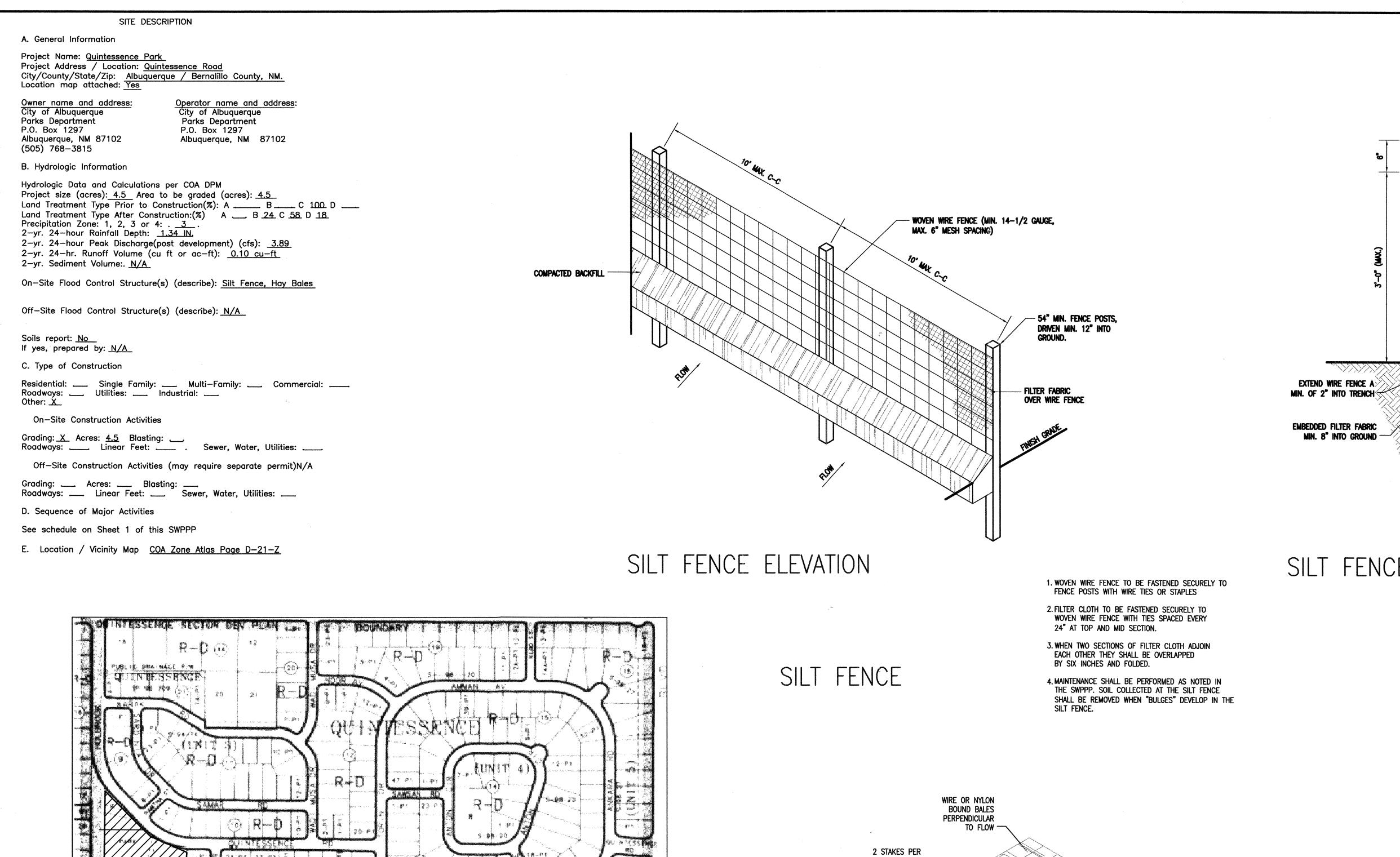
City Project No.

City Engineer Approval

D-21

Mo. / Day / Yr. Mo. / Day / Yr.





ZONE ATLAS D21-Z

WIRE OR NYLON
BOUND BALES
PERPENDICULAR
TO FLOW

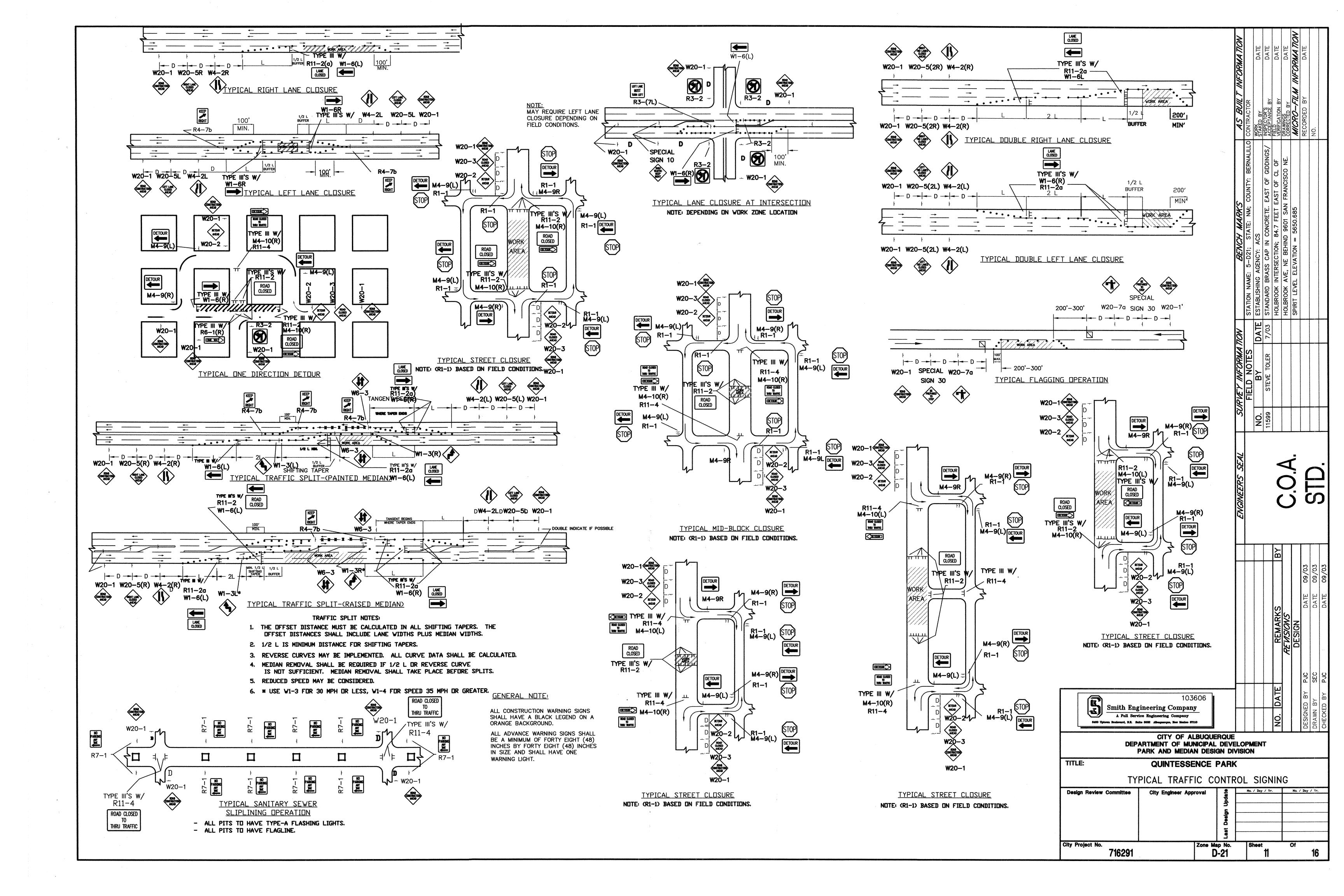
PILL VOIDS BETWEEN
BALES WITH SURPLUS
STRAW

STRAW

COMPACTED EARTH

HAY BALE BARRIER

(MIN. 14-½ MAX. 6" MESH SPACING) WITH FILTER CLOTH COVER - COMPACTED BACKFILL FINISH GRADE DA. SILT FENCE CROSS-SECTION 103606 Smith Engineering Company CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT PARK AND MEDIAN DESIGN DIVISION **QUINTESSENCE PARK** TITLE: **SWPPP DETAILS** Mo. / Bay / Yr. Mo. / Bay / Yr. Design Review Committee City Engineer Approval City Project No. 716291



CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING. THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.
- 2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.
- 3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
- 4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
- 5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.
- 6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
- 7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.
- 8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.
- 9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.
- 10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.
- 11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24-HOUR PER DAY BASIS UNTIL COMPLETED.
- 12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
- 13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
- 14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- 15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- 16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- 17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
- 18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 FOR THE MUTCD, LATEST EDITION.
- 19. 48-HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
- 20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

- 21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
- 22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING: STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION. 2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER
- 23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.
- 24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.
- 25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.
- 26. ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48-INCH SIGN AS INDICATED IN THE MUTCD.
- 27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

SPECIAL PROJECT TRAFFIC CONTROL NOTE

PREPARED TO

SPECIAL

SPECIAL

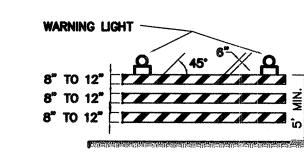
TRAFFIC KEEP

SPECIAL

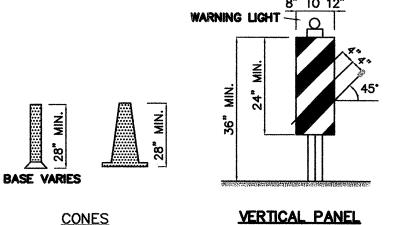
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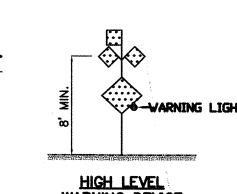
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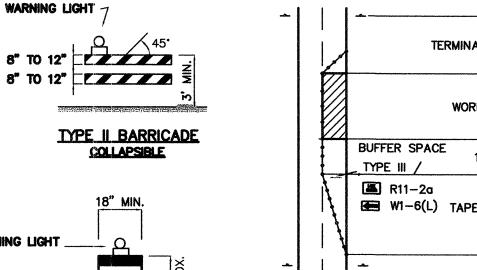
1. TWO-WAY TRAFFIC MUST BE MAINTAINED ON SOUTHERN BLVD. AT ALL TIMES.



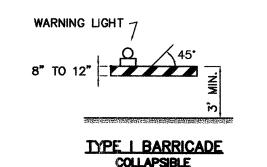
TYPE III BARRICADE







TRAFFIC CONTROL ELEMENTS

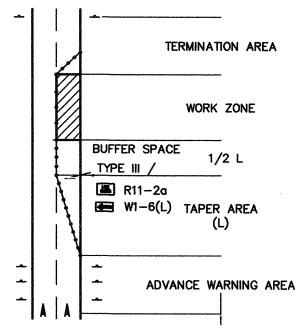


DETOUR

M4-10(L)

CONSTRUCTION

G20-2



RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES MINIMUM DISTANCE IN FEET

LEGEND:

TRAFFIC FLOW

TRAFFIC CONTROL WARNING SIGN

TRAFFIC CONTROL TYPE III BARRICADE

TRAFFIC CONTROL BARREL

ONSITE CONSTRUCTION ZONE

TAPER REQUIREMENTS

LANE

125

180

245

320

540

660

13

13

13

| MINIMUM | MAXIMUM DEVICE |

DEVICES ALUNG AFTER FOR TAPER TAPER

NUMBER SPACING IN FEET

20

25

30

35

45

50

55

TAPER LENGTH (L)

(FEET)

LANE

115

165

225

295

495

550

605

105

150

205

270

450

550

LIMIT

45

VERTICAL PANEL SIGN W/ SUPPORT

EXISTING CURB-AND-GUTTER

EXISTING STRIPING

MILES PER HOUR	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	
DOWNSTREAM TAPERS	100 FEET PER LANE
TAPER LENGTH COMP	UTATION

40	MPH OR LESS	$L = \frac{WS^2}{60}$
40	MPH OR GREATER	L = W x

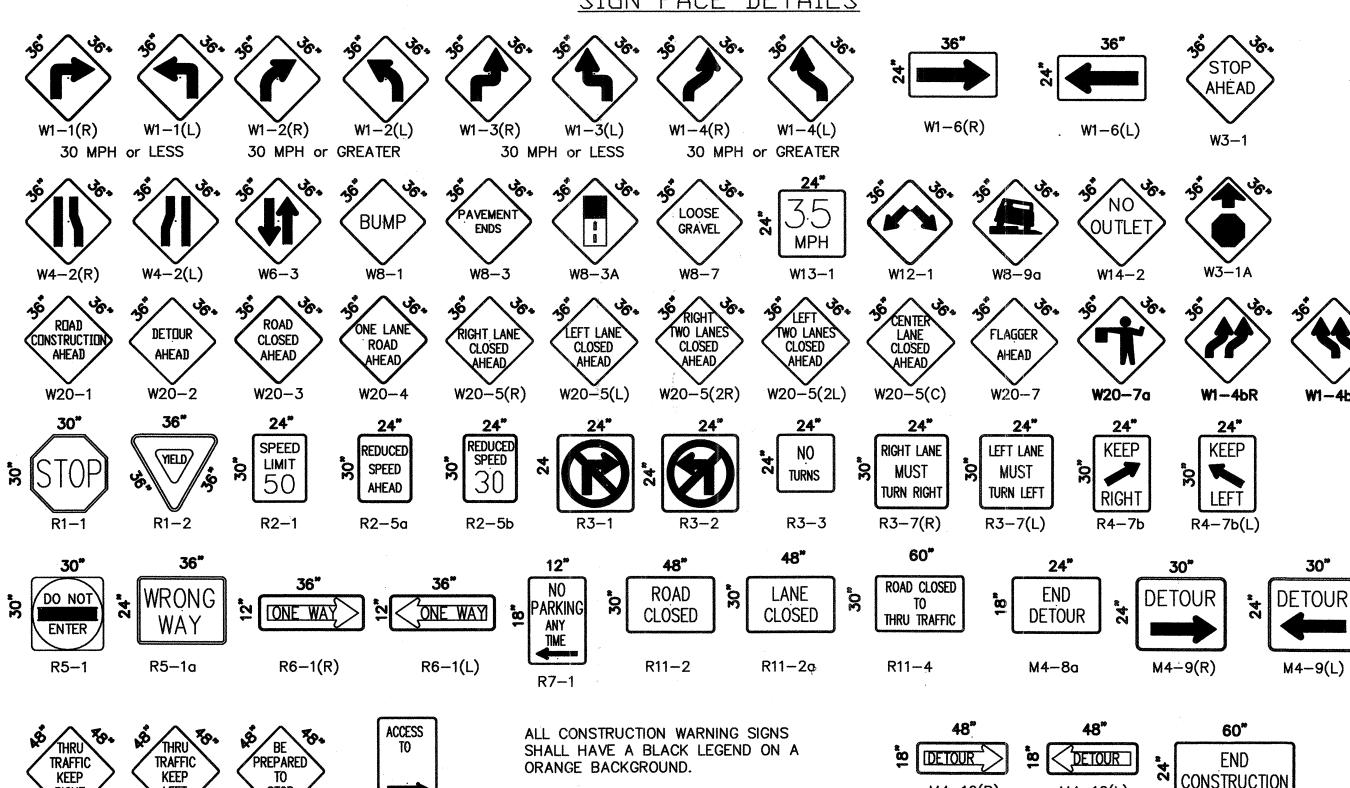
85-PERCENTILE SPEED IN MPH

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Smith Engineering Company 103606 CO

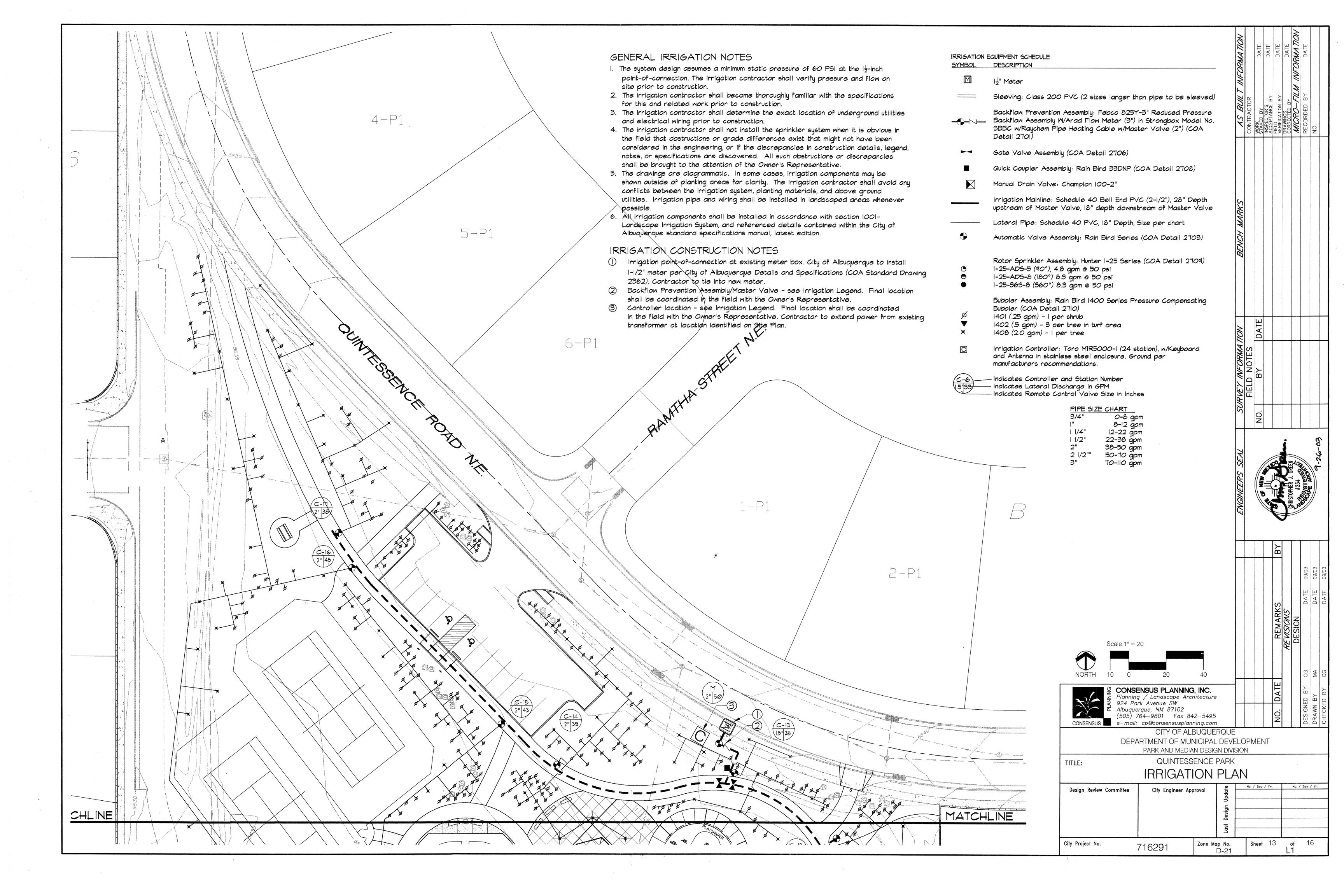
09/03

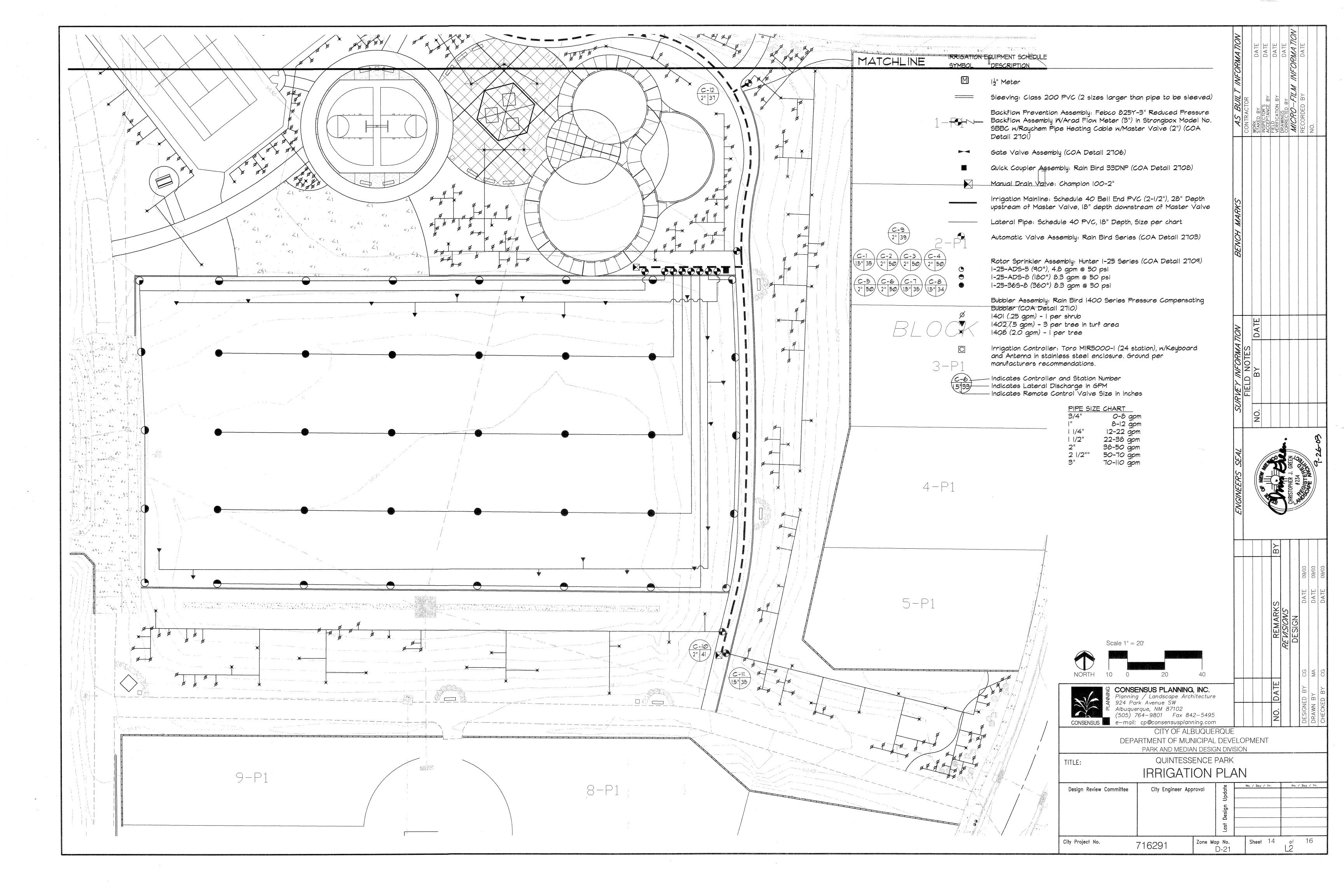
SIGN FACE DETAILS

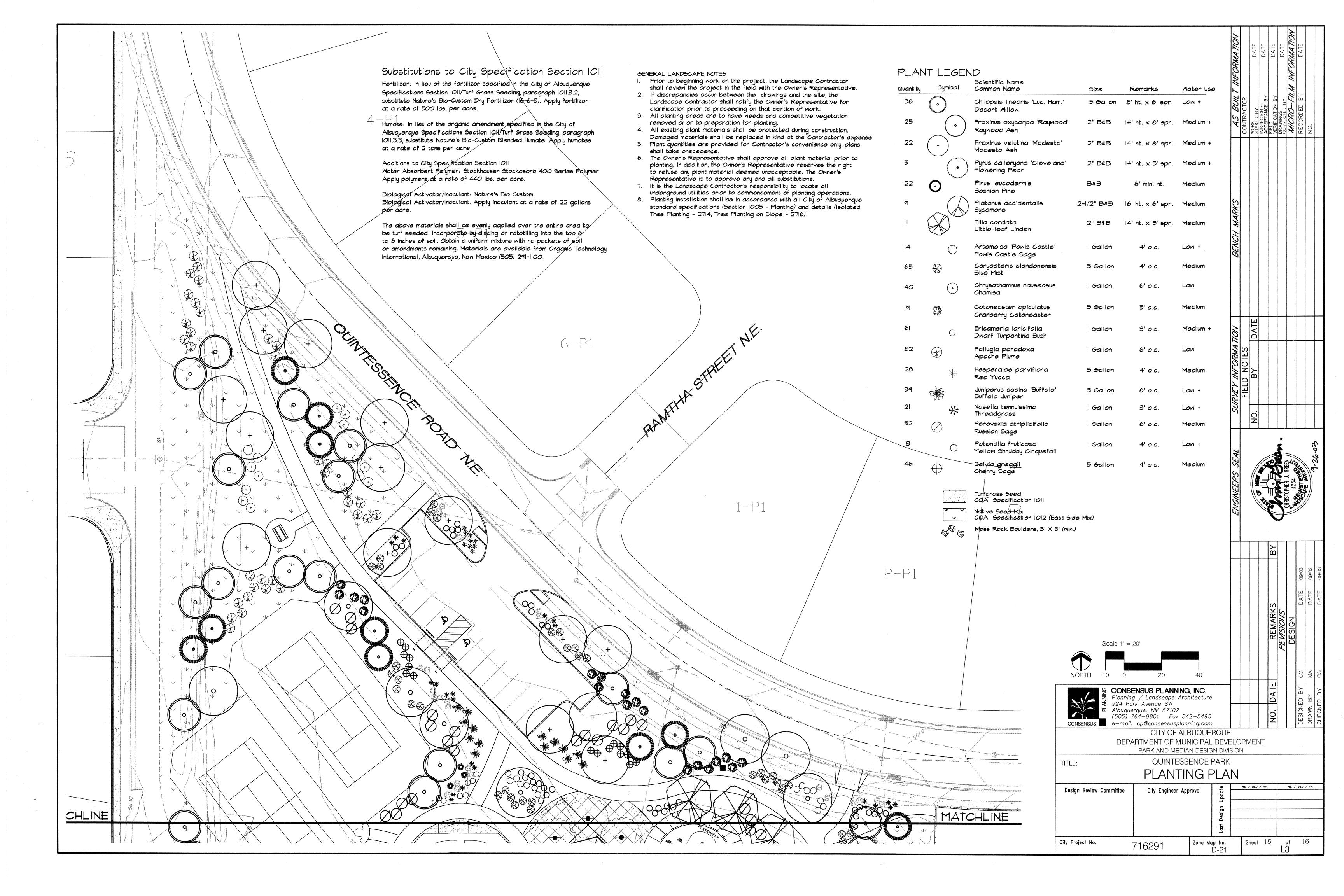


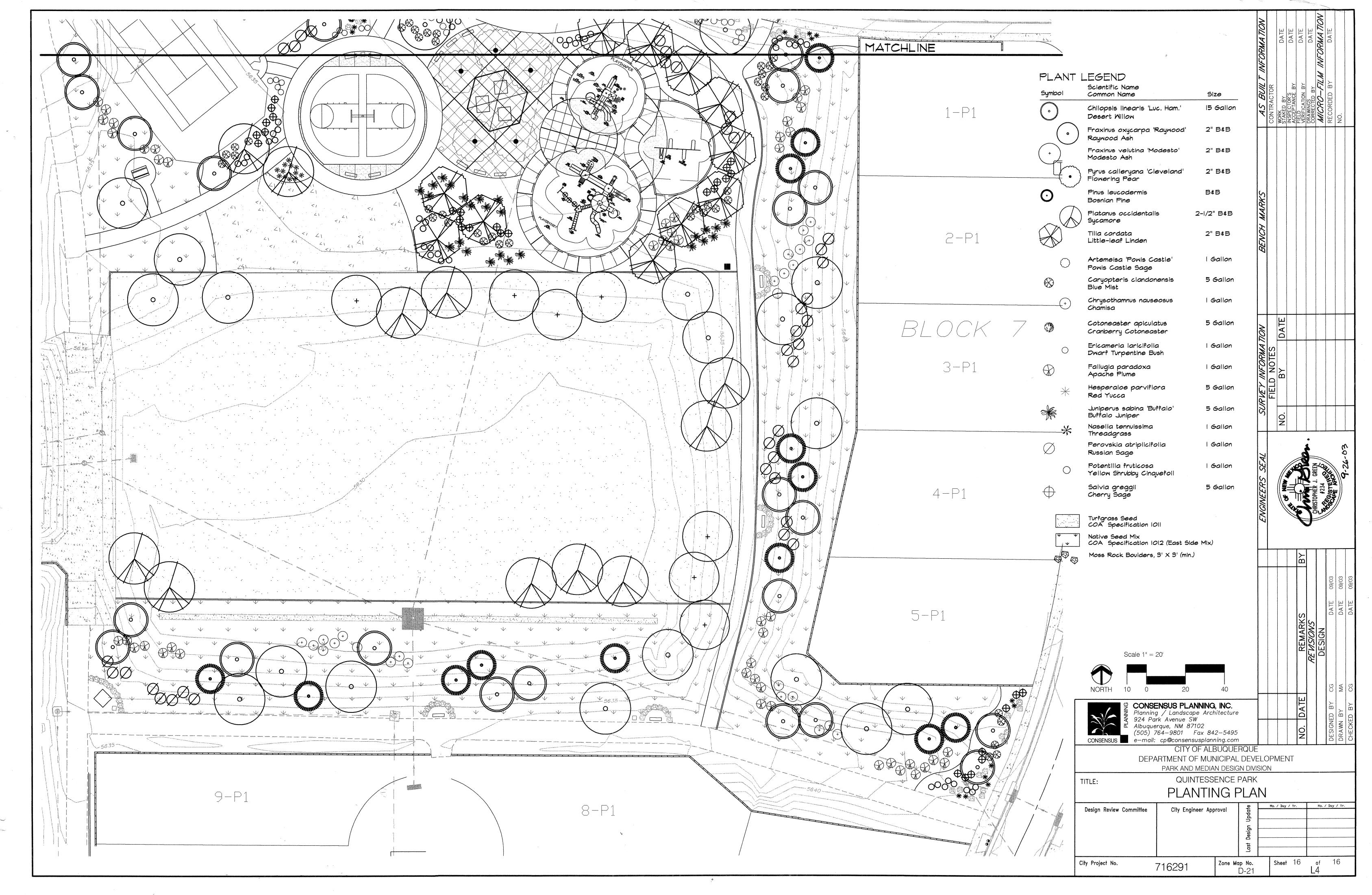
SHALL HAVE A BLACK LEGEND ON A

ORANGE BACKGROUND.









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