

ADDENDUM NUMBER: **ONE**
April 14, 2010

BID NUMBER: **6838**

CITY OF RIVERSIDE

Park Improvement Plans for:

**Hunter Hobby Park Improvements
1401 Iowa Avenue, Riverside, CA**

TO ALL PRIME CONTRACT BIDDERS OF RECORD:

NOTICE

This addendum forms a part of the contract documents for the above named project and modifies the original drawings and specifications dated **March 2010**. All portions of the contract documents not specifically modified in this Addendum remain in full force and effect.

Where text within the contract documents is to be revised, within this addenda, for clarity, new text to be inserted is shown in **redline** and old text to be deleted is shown in **strikeout**.

Acknowledge receipt of this Addendum shall be made on line. Failure to do so may subject Bidder to disqualification.

All trades affected shall be fully advised of these changes, deletions or additions.

Bids are due before 2:00 pm on April 21, 2010. All bids shall be submitted on line. The Bid Bond shall be mailed or delivered to Purchasing Services Manager, 3900 Main Street, Riverside, CA 92522, prior to bids due time and date.

After bid opening, the three apparent low bidders will be requested to provide the Base Bid lump sum breakdown within five calendar days to Ewina Lau with Parks, Recreation, & Community Services Department for further review (see example format on Special Provisions page 32). The Bidder recommended for contract award will be required to submit signed copies of all forms in **Appendix D** (Standard Forms for Bidders' Use) to the Purchasing Services Manager prior to contract award.

This Addendum includes a total of 11 pages including Attachments I-IV.

ITEM 1: Project Specifications, Special Provisions, Page 6, **2-1.1.1 Bid Schedule I – Base Bid**. (a) **Item IA**. Add the followings:

- **At the revised staging area (see revised ALT-1 as Attachment III) for running miniature trains on the 2nd & 4th Sundays of the month during park construction, keep and protect the existing chain link fence (south of the RLS Yard) instead of removing the fence per Note #3 on DP-4 (see Attachment I).**
- **For the area inside the existing chain link fence (south of RLS Yard), omit the maintenance road with 7" aggregate base, new irrigation, and planting as shown on LC-4, LI-4 and PP-4 for this area. The area inside the RLS Yard's fence will be left open and used for parking.**
- **Disposal of excess soils off site shall be a part of contractor's responsibility and cost.**

ITEM 2: Project Specifications, Special Provisions, Page 7, **2-1.1.2 Bid Schedule II- Additive Bid Items**.

- (a) **Item II-A. Construction of Basketball Courts:** **This item includes only two full courts (no half courts).**

ITEM 3: Project Specifications, Special Provisions, Page 11, 2-3.1.1 Specialty Items.

For the purposes of this project the following "Specialty Items" are listed: ~~Structural Steel; Rock Masonry; Finish Carpentry; Roofing; Sheet Metal & Flashing; Fencing; Play Equipment & Surfacing; Painting; Electrical; Irrigation and Landscaping.~~

ITEM 4: Project Specifications, Special Provisions, Page 22, 7-3.1 Builder's Risk:

Contractor shall purchase and maintain "Builder's Risk Insurance" for the full value (estimated to be \$720,000) of the Building Work (two restroom buildings and one maintenance building). This insurance shall include but not be limited to fire, theft, extended coverage, vandalism and malicious mischief, but does not need to include earthquake or flood.

ITEM 5: Project Specifications, Special Provisions, Page 28, 7-10.1.3 Existing Park Facilities: Modify as follows:

Contractor is required to coordinate with the City's Parks Department and the Riverside Live Steamer (RLS) to allow public access to the old (temporary) miniature train station (near Columbia Avenue) northwest area of Park (south of the RLS Maintenance Yard) and the northern loop of track on the 2nd and 4th Sundays of each month during the construction period. See revised drawing ALT-1. The public may take access from the adjacent property's parking lot just west of Hunter Park to this area on those two Sundays. Limited down time (30 days maximum) for the old (temporary) train station and northern loop of miniature track shall be allowed for improvements as needed and approved by the City's Parks Department. The construction fence may need to be adjusted to allow such public access into the northern portion of the park and to separate the southern portion of park on the 2nd and 4th Sundays of the month.

ITEM 6: Project Specifications, Special Provisions, Page 29, 9-2 LUMP SUM WORK: Modify as follows:

Within five calendar days following the bid opening date, Bidders being further considered by the City for award will be requested to submit detailed breakdowns of the costs for each Lump Sum Bid item to the Purchasing Services Manager. The breakdowns shall include as a minimum the line items shown in the Bid Proposal ~~Special Provisions Section 2-1.1 Scope of Work and Base Bid Breakdown (Page 32)~~, and will be used for further bid evaluation and progress payment purposes. ~~Within 15 days after award of contract, additional cost breakdown and a detailed schedule of values for each line item, including quantities and unit cost for each item of work, shall be provided to be used for progress payment purposes.~~ The bid breakdown and schedule of values for each item shall equal the lump sum bid for that item and shall be in such form and sufficiently detailed as to satisfy the City that it correctly represents a reasonable apportionment of the lump sum bid.

ITEM 7: Project Specifications, Special Provisions, Page 31, License Requirements: Modify as follows:

Notice: It has been determined that based on the scope of the Work for this Project that the Prime Contractor must possess a current valid license in the State of California in good standing as a **Class A, "General Engineering"** Contractor. In addition, the City requires that the following subcontractor licenses be held either by the Prime (if work of such license is to be self-performed) or by a listed subcontractor (if work of such license category is to be subcontracted):

- Class C8, "Concrete";
- Class C10, "Electrical";
- Class C12, "Earthwork and Paving";
- ~~Class C23, "Ornamental Metal"~~ **Class C13, "Fencing"**; and,
- Class C27, "Landscaping"

ITEM 8: Project Specifications, Section 02441, Irrigation:

2.03 VALVES AND VALVE BOXES:

B.1. Irrigation valve boxes and covers shall be fabricated from a durable plastic material resistant to weather, sunlight and chemical reactions...Boxes and covers shall be as manufactured by **AMETEK ARMOR Access Boxes** for reclaimed water (purple boxes and covers) or City approved equal.

2.06 ELECTRICAL MATEIALS:

C. 1. Control Wire: add:

Run one spare wire per every station. Allow 24" extension loop of wires at each pull box (Detail 4 / ID-2).

C. 2. Common Wire: add:

Run two common wires for every one common wire as noted.

ITEM 9: Project Specifications, Section 02480, Planting:

2.09 TURF:

A. 1. Seeded Turf: For turf areas being hydro-mulched with seed, use the following seed mix:

<u>Turf Seed Mix</u>	Proportion by		
	<u>Weight</u>	<u>Purity</u>	<u>Germination</u>
'Pro Sports Field Ultra' Stover Seed or Equal, including:		Min. 9798%	Min. 90%
Affinity Perennial Rye Grass (Princess Hybrid)			98%
Evening Shade Perennial Rye Grass (Bermuda Grass)	9897%		
Manhattan 4 Perennial Rye Grass			90%
Princess Hybrid Bermudagrass			

Seeding rate: 450 pounds per acre (12 Pounds per 1000 square feet)

Overseeding: 350 pounds per acre (8.5 pounds per 1000 square feet).

*Note: For applications in October through April, use Un-Hulled Bermuda.

ITEM 10: Project Specifications, Section 02480, Planting:

3.10 B. Hydro-mulching:

1. Mixing of hydro-mulch slurry: Delete all content as shown entirely.

For bidding purposes, use the Application Specifications as per Pro Sportsfield Ultra by Stover Seed Company (see Attachment II). The actual application specifications shall be based on the recommendations from the agronomic soils testing completed after rough grading. Mulch fiber shall contain a green fugitive dye as an application indicator.

ITEM 11: Project Specifications, Section 13120 Pre-engineered Restroom / Concession Building. Modify as followings:

The name of this specification section shall be changed to:

Section 13120 Pre-engineered Restroom / Concession Building / Shade Structures / Metal Storage Building.

1.01 C. Manufacturer's Specifications: Provided by Romtec, Icon, and Empire Steel Buildings.

1.02 SCOPE: The Work of this Section shall consist of furnishing all labor, materials, equipment, appliances and services necessary for the execution and completion of all **Pre-engineered Restroom** (by a separate contract directly between the City and the manufacturer), **Shade Structures, and Metal Storage Building Work** as shown on the Plans (requires a separate building permit) and as described in the Specifications including, but not necessarily limited to, the following:

- Coordination with the manufacturer for the and installation of the pre-engineered restroom/concession building, and restroom/storage building, and providing all necessary utilities connection to be within 5' of the building pads;
- Obtain structural drawings and calculations including engineer's stamp for the park maintenance building (pre-engineered metal building), the train station structure, the group picnic shelter, and the smaller picnic shelter for submittals to Building & Safety Division of Planning Department for a separate permit for those structures;
- Coordination and installation of the shade structures and metal storage building at the site, with all necessary utilities connection;
- Coordination of all required inspections, including by the City Parks, Recreation, & Community Services Department, Building and Safety, and Public Utilities.
- Coordination with Work of other Sections;
- Testing;
- Clean-up; and,
- Replacements, Repairs, Guarantees and Warranty Work.

ITEM 12: Project Specifications, Section 13120 Pre-engineered Restroom / Concession Building / Shade Structures / Metal Storage Building. Add the followings:

- 2.03 **TRAIN STATION STRUCTURE:** Icon Shelter **Model # CG20X50S2C-P4** with standing seam metal roof, as available from Coast Recreation, Ph.: (714) 619-0100. Contact: Chad Barry. Install per manufacturer's specifications. Frame color shall be RAL 8008 38/60008. Roof color shall be KYNAR 500 Evergreen,
- 2.04 **GROUP PICNIC SHELTER:** Icon Shelter **Model # RG30X35TSTC** with standing seam metal roof, as available from Coast Recreation, Ph.: (714) 619-0100. Contact: Chad Barry. Install per manufacturer's specifications. Frame color shall be RAL 8008 38/60008. Roof color shall be KYNAR 500 Evergreen,
- 2.05 **SMALLER PICNIC SHELTER:** Icon Shelter **Model # RG16X24 TS2C** with standing seam metal roof, as available from Coast Recreation, Ph.: (714) 619-0100. Contact: Chad Barry. Install per manufacturer's specifications. Frame color shall be RAL 8008 38/60008. Roof color shall be KYNAR 500 Evergreen.
- 2.06 **METAL STORAGE BUILDING:** **Model #20X25X10** 1:12 Pointed Roof, as available from Empire Steel Buildings, Ph.: (800) 905-3443. Contact: Dave Shechtman. Install per manufacturer's specifications. Roof and Door color shall be Fern Green. Wall color shall be Saddle Tan. Refer to **Section 13121, Pre-engineered Metal Building** for manufacturer's specifications.

ITEM 13: Project Specifications, Section 16530, Electrical, 2.08 Light Systems: Modify as followings:

Poles:

- 3. All poles shall be stenciled or marked with **bead weld or riveted metal plates** 2" high letters at 12" above the base or **hand hole** with the respective pole number per the Plans.

ITEM 14: Project Specifications, Section 16530, Electrical, 3.10 Identification:

- F. Light Poles: All Light poles shall be stenciled or marked as provided under **Part 2 – Materials** of this Section. Contractor shall submit the plan of proposed numbering to City for approval. Light poles shall be numbered separately in the following categories: walkway (W-1 thru W-xx), parking (P-1 thru P-xx), Flood (F-1 thru F-xx), Bollard (B-1 thru B-xx), etc. The electrical meter or park entry shall be the point of origin. Numbering shall continue clockwise from the beginning.

ITEM 15: Project Plans, Drawing No. 'DP-4', Demolition Plan:

In lieu of removing the existing chain link fence south of the Riverside Live Steamer (RLS) Maintenance Yard as shown (Note #3), keep and protect the existing fence in place (change Note #3 to #9; see Attachment I).

ITEM 16: Project Plans, Drawing No. 'ALT-1', Add Alternative Plan:

See the revised plan dated 4/8/10 for changed staging area (Attachment III).

ITEM 17: Project Plans, Drawing No. 'GN-1', General Notes & Details:

Note #4: Add: The City will pay for the soils engineer and civil engineer's work unless additional tests and re-compactions are made necessary by inadequate compaction and materials provided by the Contractor. All costs related to re-inspections due to deficiency of work or failure of initial inspection will be borne by the Contractor.

ITEM 18: Project Plans, Drawing No. 'ST-1', 'ST-2', & 'ST-3', Street Improvement Plans for Marlborough Avenue, add the followings:

- New Note:** 1. Street light installation shall be included in the bid per City of Riverside Public Utilities' New Overhead/Underground Electrical Service Plans (#100003-29; see Attachment IV).
- 2. Contractor shall include in the bid to coordinate with City forces or others for water construction work, such as relocation / removal of fire hydrant (performed by city forces), regarding the construction schedule.

3. For bidding purposes, the preliminary structural section for Marlborough Avenue shall be **8 inches AC Pavement over 15.5 inches Aggregate Base**. This is subject to change once soil testing during construction is performed to determine the actual R-Value. Therefore, upon request, Contractor is to provide unit cost per inch of increase of AC pavement and aggregate base, and a credit price per inch of decrease of AC pavement and aggregate base for City's information prior to contract award.

ITEM 19: Project Plans, Drawing No. 'ST-1', Street Improvement Plan:

Omit General Notes 17 & 18 on ST-1.

ITEM 20: Project Plans, Drawing No. 'LC-7', Construction Plan:

All outfield fences are 4' high with exception of an 8' high section noted on sheet LC-9 (Note #48).

ITEM 21: Project Plans, Drawing No. 'CD-6', Construction Detail:

Note #10: The outfield fence should be **4' high** instead of 6' as shown.

ITEM 22: Project Plans, Drawing No. 'CD-6', Construction Detail:

The infields are skinned. On CD-6, reference 80' radius as infield boundary. Refer to Detail 1 / CD-5 and Specifications Section 02210.

ITEM 23: Project Plans, Drawing No., 'CD-9', & 'CD-10', Shade Structure:

All Icon shelters shall have T&G ceiling as noted.

ITEM 24: Project Plans, Drawing No. 'CD-11', Romtec Buildings: Add the followings:

- Note:**
1. The foundation slabs for the Romtec per-engineered restroom buildings are part of the building contract (N.I.C.; separate permits required) and shall not be included in the Base Bid. Base Bid includes grading for the building pad, providing utilities to be within 5' of the building, and concrete paving immediately around the building. Romtec will provide the related excavation for the installation of concrete foundation, slab, and the building. Contractor is required to coordinate with the pre-engineered building installation with Romtec.
 2. The metal storage building and the foundation slab are a part of Base Bid. Contractor is required to obtain necessary structural drawings and calculations from the manufacturer and submit to Building Department for approval to meet building permit requirements.

ITEM 25: Project Plans, Drawing No. 'LI-0' thru 'LI-12', Irrigation Legend & Plans:

1. On the Irrigation Equipment Legend, in lieu of Leemco gate valves as shown on the plans and Nibco gate valves as shown on Specifications Section 02441, the gate valves shall be **Nibco MJ-619-RW Series**. Use **Leemco LMJ series** restraints/fittings to adapt to C-900 pipe.
2. On the Irrigation Equipment Legend, Note #2 shall be changed to: All valve boxes **shall be durable plastic boxes per Specifications Section 02441, Section 2.03 B.1 (see Item 8 above)**. Label all box lids accordingly.
3. On the Rotor Legend, Hunter I-20-HP-3RS/ARS (stainless steel riser) for shrub areas are not available and shall be changed to **plastic riser**.
4. On the Irrigation Controller Notes, provide one 'RB' (rain bucket) at Controller 'B' as noted on the Plans. Rain bucket will be located at controller/maintenance building location. Final location and installation will be coordinated in the field by City representative.

ITEM 26: Project Plans, Drawing No. 'LI-4', Irrigation Plan:

Delete all irrigation as shown for the area within the existing chain link fence and south of RLS Maintenance Yard (see revised ALT-1 and Attachment I, Partial plan of DP-4 for the location).

ITEM 27: Project Plans, Drawing No. 'ID-2', Irrigation Details, Detail #3:

This detail shows thrust blocks for mainline 3" and larger. The restraining system shall be Leemco ductile iron fitting restraints as well.

ITEM 28: Project Plans, Drawing No. 'PP-4', Planting Plan:

Delete all planting as shown for the area within the existing chain link fence and south of RLS Maintenance Yard (see Partial plan of DP-4 for the location as Attachment I).

ITEM 29: Project Plans, 'PP-1' thru 'PP-12', Planting Plan:

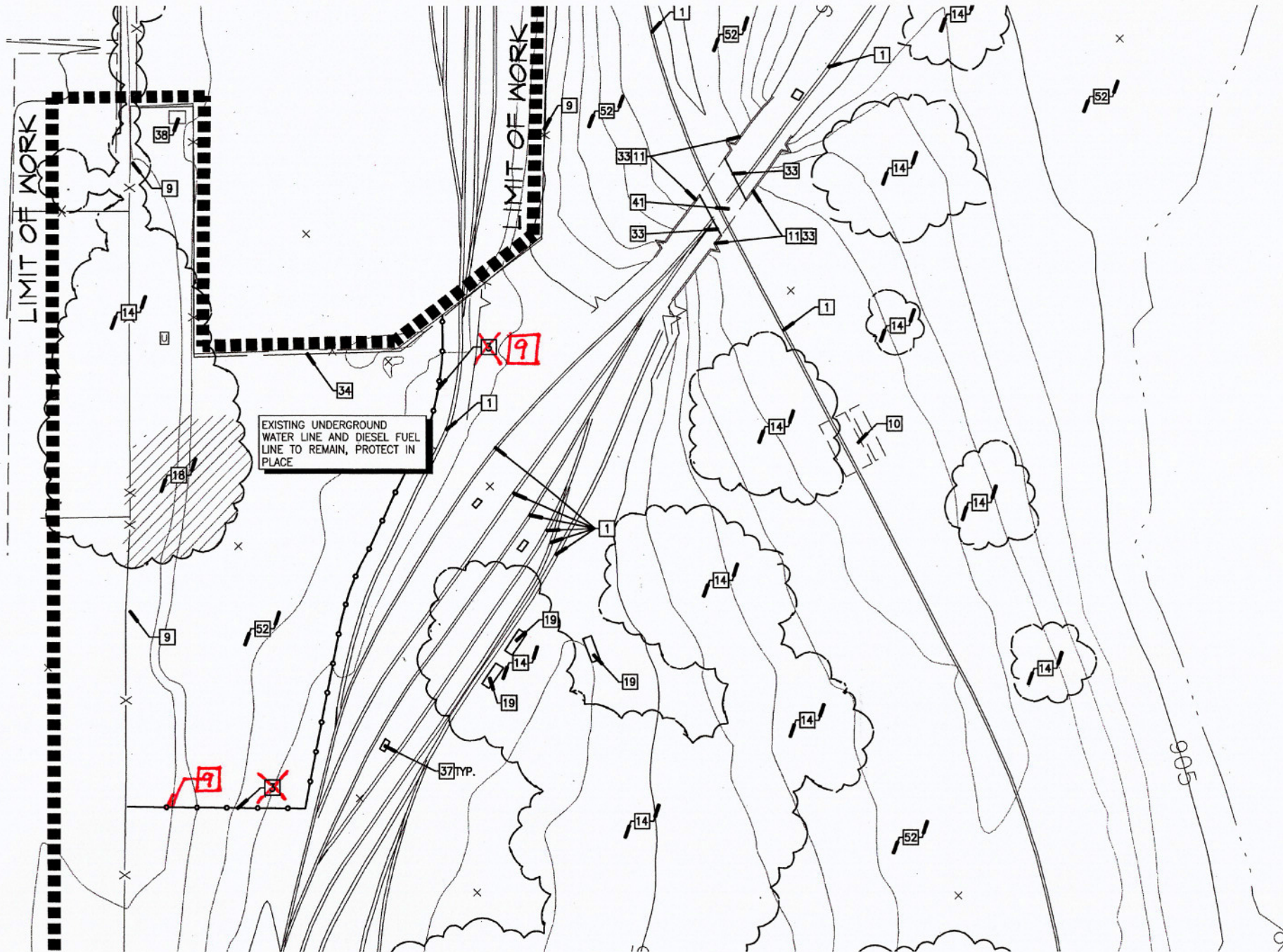
Planting Legend for Turf: In lieu of stolonized 'Tiffgreen 328' as shown, change to **Hydroseeded turf per Project Specifications, Section 02480, 2.09.** (see Item 9 above).

ITEM 30: Project Plans, Add Drawing No. 100003-29, Public Utilities' New Overhead/Underground Electrical Service Plan for Hunter Hobby Park to the Bid Set (see Attachment IV; 2 sheets):

These plans show the final transformer location, required conduits and pull boxes for providing electrical services to the site, Public Utilities Department's requirements, and street lights on Marlborough Avenue.

END OF ADDENDUM

ATTACHMENT I: Partial plan of DP-4, Demolition Plan
ATTACHMENT II: Application Specifications for Pro Sportsfield Ultra by Stover Seed Company
ATTACHMENT III: Revised ALT-1 dated 4/8/2010 (full size 24" x 36")
ATTACHMENT IV: Public Utilities' New Overhead/Underground Electrical Service Plan #100003-29 (2 sheets; full size 24" x 36").



**Bid No. 6838 - Addendum No. 1, Attachment I
 Partial Plan of DP-4, Demolition Plan**



Pro Sportfield Ultra

Perennial Ryegrass – HYBRID Bermudagrass Mixture

Minimum Purity: 98%
Minimum Germination: 90%

Application Specifications

Mulch: 2,000 pounds per acre. Environ-Fiber or Eco Fiber products

Binder: Environ-mend Binder 160 pounds per acre. Add slowly to tank to avoid clumping.

Pre-plant Fertilizer: Starter fertilizer (15-15-15) at 400 pounds per acre. Incorporate additional elements as needed by soil test.

Seeding Rate: 10 to 12 pounds per 1,000 square feet.

Post Seeding Specifications

Watering: Apply adequate moisture to germinate seed. Water three to four times daily depending upon seasonal conditions. It is imperative that the seed bed be kept moist all day during germination. Avoid excessive watering which can cause puddling.

Weeds: Do not apply any post emergent herbicides for at least 60 days after planting. Refer to the manufacturer's recommendations for use on the product. Under ideal conditions all weed eradication should be performed before planting the seed.

Product Source

Seed, binder and mulch available from:



1415 East 6th Street • P.O. Box 21488 • Los Angeles,
California 90021
(213) 626-9668 • (800) 621-0315 • FAX (213) 626-4920

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**Bid No. 6838 - Addendum No. 1, Attachment II
Application Specifications for Hydroseed Mix**

CITY OF RIVERSIDE	APPROVAL	SIGNATURE	DATE
	PROJ. DIRECTOR		
	PARK SUPERINTENDENT		
	PERSONAL PARK PLANNER / PROJECT MANAGER		

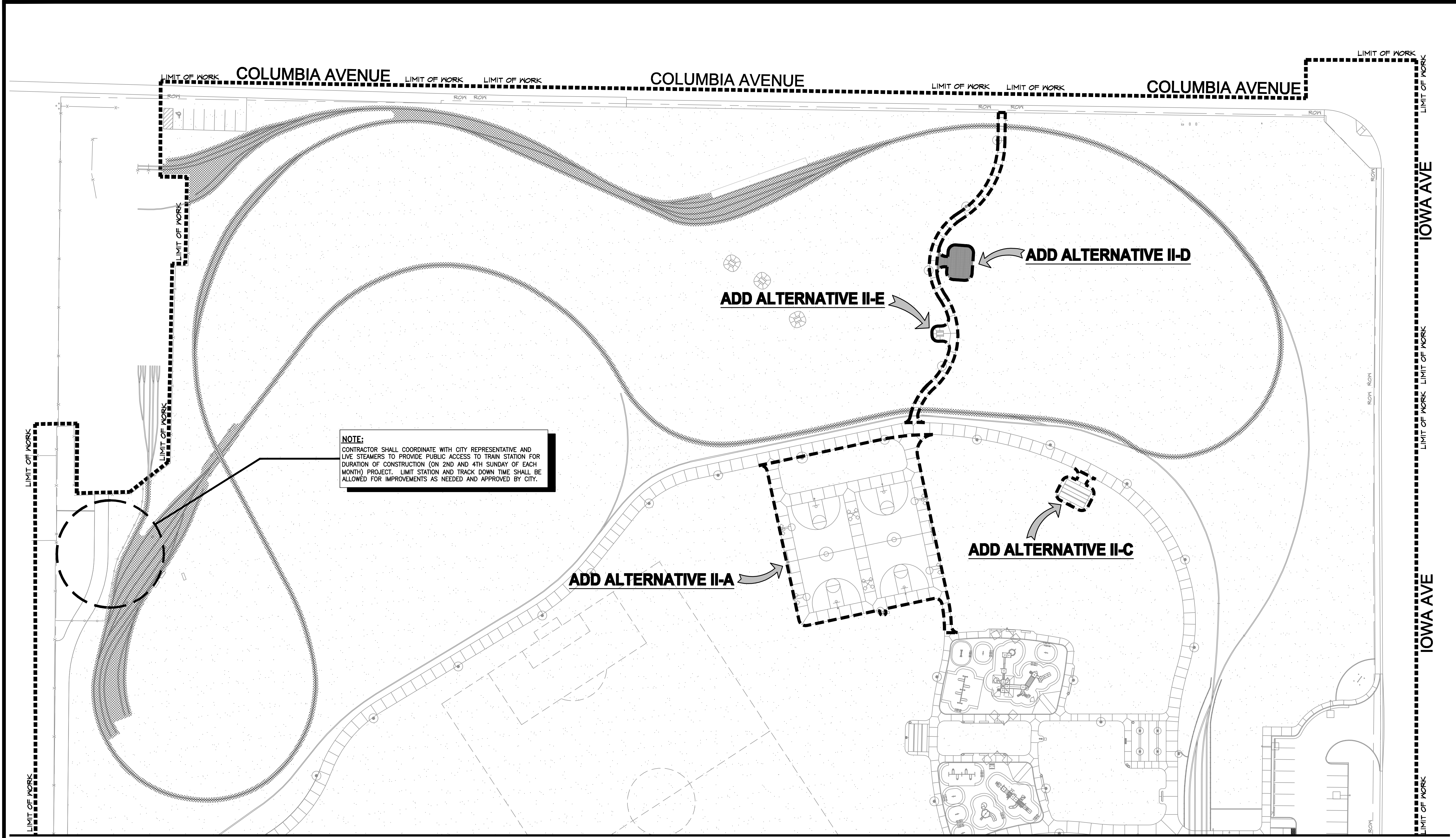
PROJECT	HUNTER HOBBY PARK IMPROVEMENTS
ADDRESS	1401 IOWA AVENUE RIVERSIDE, CA 92507
SHEET TITLE	ADD ALTERNATIVE PLAN

NO.	DATE	REVISION	BY
1	08/10	STAGING AREA REVISION	CITY



SCALE:	
DATE:	03.30.2010
DRN:	JXOE / SXWA
CK:	CCG

ADD ALTERNATIVE PLAN
ALT-1
SHEET 14 OF 107



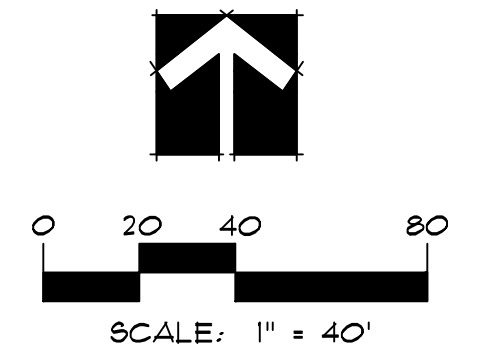
RIVERSIDE LIVE STEAMERS (RLS) GENERAL NOTES

- MIN. ONE RAIL LOOP AND ACCESS TO THE RIVERSIDE LIVE STEAMERS COMPOUND TO REMAIN IN SERVICE FOR DURATION OF PROJECT.
- CONSTRUCTION FENCE TO BE INSTALLED AND MAINTAINED BETWEEN CONSTRUCTION AND IN-SERVICE TRACK. FENCE TO BE 5' FROM CL OF TRACK.
- ANY CROSSINGS OF IN-SERVICE TRACK TO BE AT LOCATIONS APPROVED BY RLS. DETAILS OF CROSSINGS SHOULD BE SUBMITTED TO AND APPROVED BY RLS AND CITY.
- AT LOCATIONS WHERE TRACK IS TO BE RELOCATED, TWO WEEKS NOTICE SHALL BE GIVEN TO RLS, WHO WILL COORDINATE TO OBSERVE AND PROVIDE GUIDANCE FOR THIS WORK.
- COORDINATION WITH RLS SHALL BE THROUGH BILL GARDNER AT (951) 696-1728 OR 8141 HALLWOOD AVE., RIVERSIDE 92506-1413
- ANY DAMAGE CAUSED BY CONTRACTORS SHALL BE REPAIRED BY CONTRACTOR AT NO COST TO THE CITY OR RLS.

SYMBOL	DESCRIPTION
	UPPER LOOP OF TRACK TO REMAIN OPERATIONAL DURING CONSTRUCTION ON 2ND AND 4TH SUNDAY OF EACH MONTH ONLY BY ADJUSTING CONSTRUCTION FENCING.



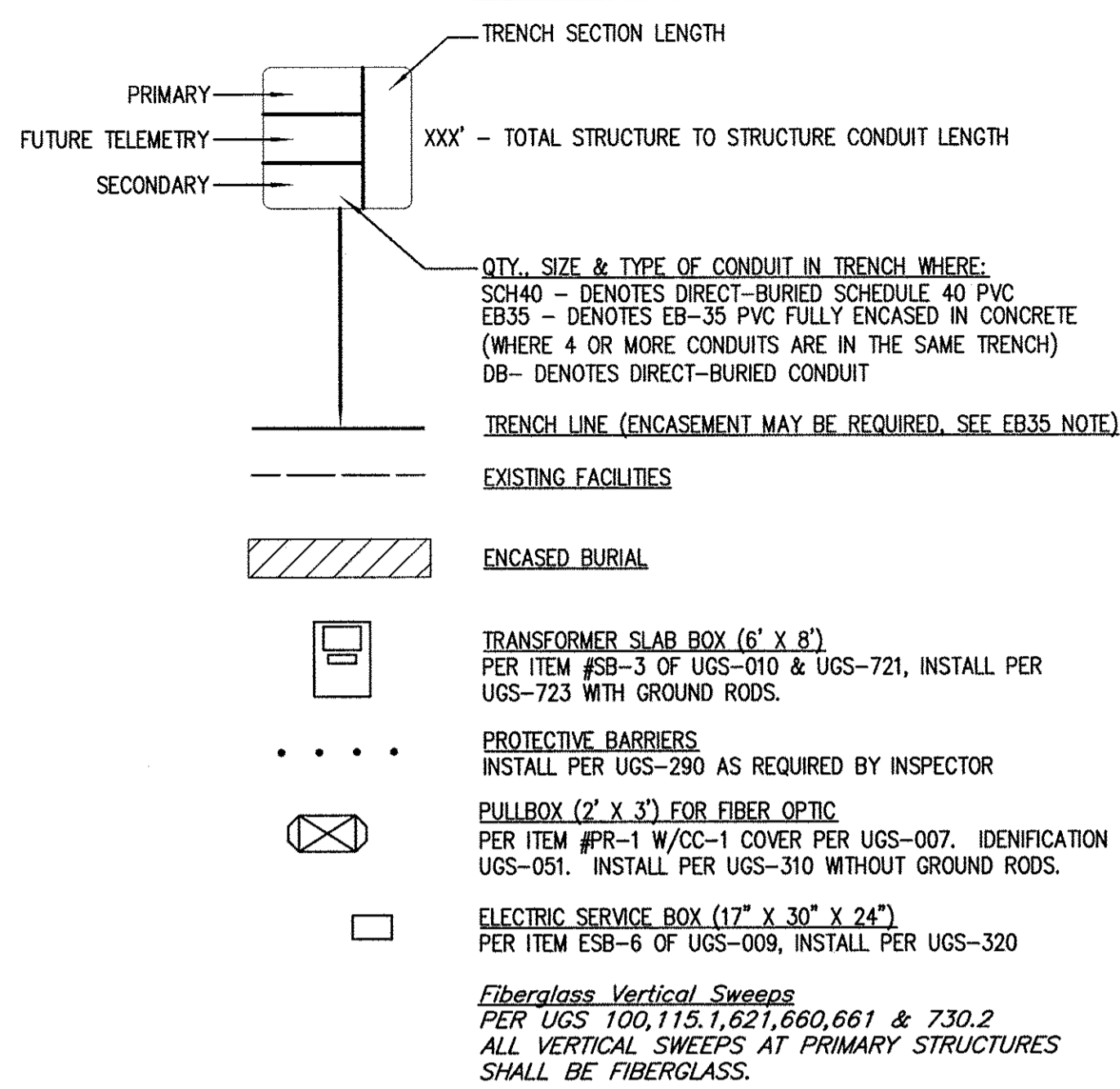
Bid No. 6838 - Addendum No. 1, Attachment III



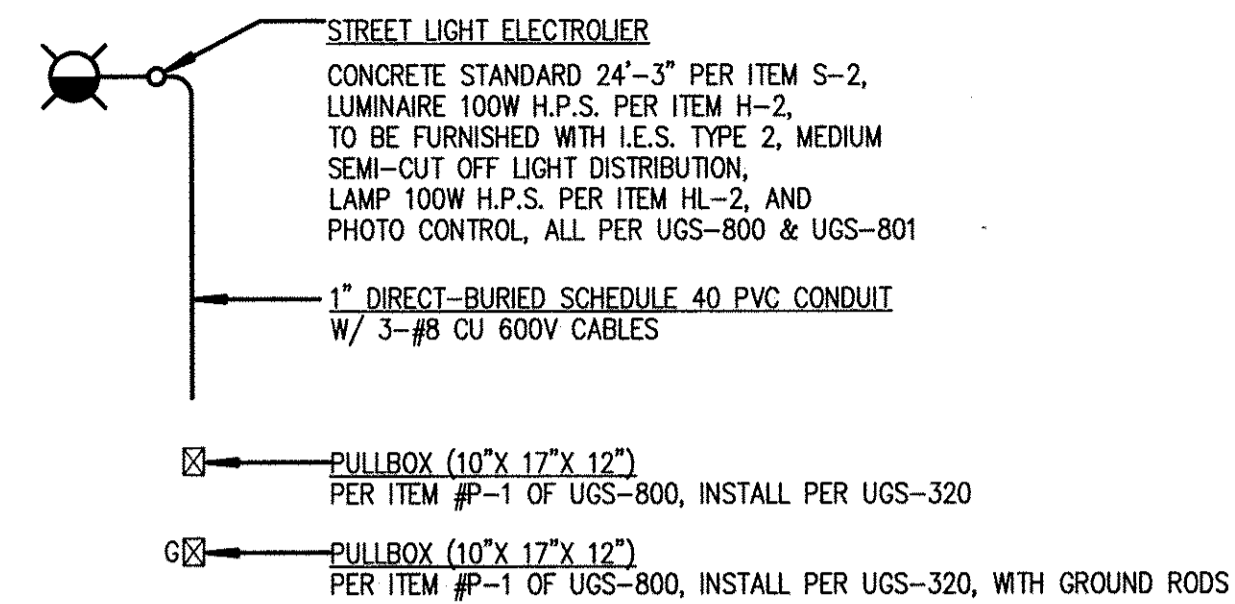
ABBREVIATIONS

- c - 8' CROSSARM
- d - 10' CROSSARM
- 2d - (2) SEPARATE 10' CROSSARMS ON DIFFERENT LEVELS
- d² - DOUBLE 10' CROSSARMS BACK-TO-BACK
- d³ - TRIPLE 10' CROSSARMS BACK-TO-BACK, 2 ON ONE SIDE
- d^{AA} - 10' ALLEY ARM
- 40-2-J38302-05 - 40' CLASS 2 POLE W/ ASSIGNED NUMBER AND YEAR
- A - BARE ALUMINUM CONDUCTOR
- AR - ALUMINUM CONDUCTOR STEEL REINFORCED (ACSR)
- CATV - CABLE TELEVISION
- CO - OVERHEAD STRUCTURE STANDARDS, ELECTRIC DIVISION, DEPARTMENT OF PUBLIC UTILITIES, CITY OF RIVERSIDE
- DA - DOUBLE ARM CROSSARM
- G - GAS LINE
- GA - GUY AND ANCHOR ROD
- IN - INSTALL
- I.P. - INTERSECTION POINT
- IRR - IRRIGATION LINE
- ISR - SINGLE-SPOOL SECONDARY RACK
- ISR(2) - (2) SINGLE-SPOOL SECONDARY RACKS OPPOSITE SIDES OF POLE
- LT - LEFT OF CENTER LINE
- MA - MASTARM STREET LIGHT
- ML - MATCHLINE
- PEDLT - PEDESTRIAN LIGHT
- PR1 - PRIMARY
- RM - REMOVE
- RP - POWER POLE W/ RISER
- RT - RIGHT OF CENTER LINE
- SA - SINGLE ARM CROSSARM
- SEC. RISER - SECONDARY RISER
- SG - SPAN GUY
- S.O. - STUB OUT
- SLSVB - STREET LIGHT SERVICE BOX
- STLT - STREET LIGHT
- SVB - ELECTRIC SERVICE BOX
- SVC - SERVICE
- SW - SEWER LINE
- T - TELEPHONE LINE
- TRLT - TRAFFIC LIGHT CONTROL
- UGS - UNDERGROUND STRUCTURE STANDARDS, ELECTRIC DIVISION, DEPARTMENT OF PUBLIC UTILITIES, CITY OF RIVERSIDE
- W - WATER LINE
- WS - WATER SERVICE
- Ø123N - PHASE 1, PHASE 2, PHASE 3 AND NEUTRAL CONDUCTOR

SYMBOL LEGEND

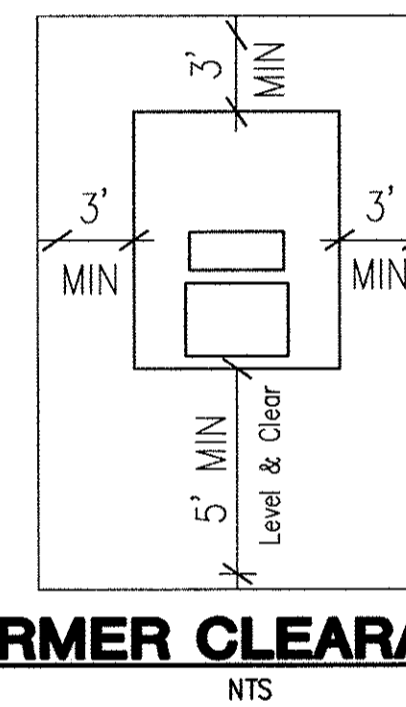


STREET LIGHT LEGEND

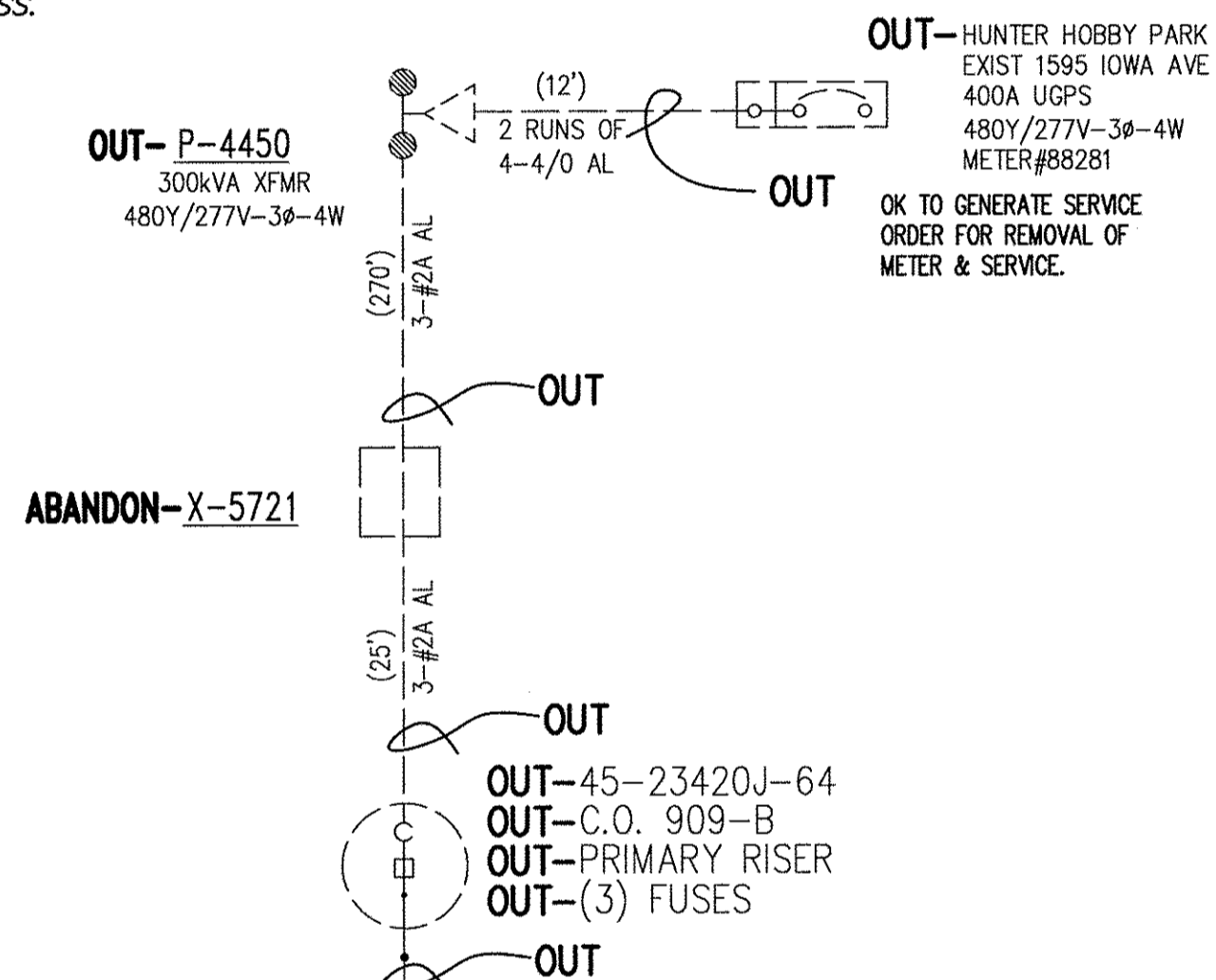


1. EXCAVATION FOR POWER SUBSTRUCTURES, CONDUITS AND ELECTROLIER FOUNDATION MUST BE DONE AFTER INSTALLATION OF CURBS AND GUTTERS BUT BEFORE INSTALLATION OF CURB RETURNS WITH SPANDRELS, CROSS GUTTERS, SIDEWALKS AND DRIVE APRONS.
2. INSTALL A WATERPROOF "IN-LINE" FUSE HOLDER ON THE PHASE LEG CONDUCTOR(S) IN THE BASE OF EACH STREET LIGHT STANDARD. FUSE HOLDER TO BE "BUSSMAN TRON" #HEB COMPATIBLE WITH SIZE AND TYPE OF WIRE, WITH "BUSSMAN" FNM 10 AMP 250V FUSE
3. MARK INSTALLATION DATE ON PHOTO CONTROLS AND LAMPS AS PROVIDED FOR BY THE MANUFACTURER.
4. STREET LIGHT DOOR OPENING TO FACE SIDEWALK.

NOTE: STREET LIGHT SERVICE POINT(S) ARE 3 WIRE 240V SYSTEM UNLESS OTHERWISE NOTED. THE THIRD STREET LIGHT WIRE IS TO BE USED AS A BOND ONLY, AS NOTED IN SPECIFICATION #2-6. FEED POINTS TO BE CONFIRMED AT TIME OF CONSTRUCTION.

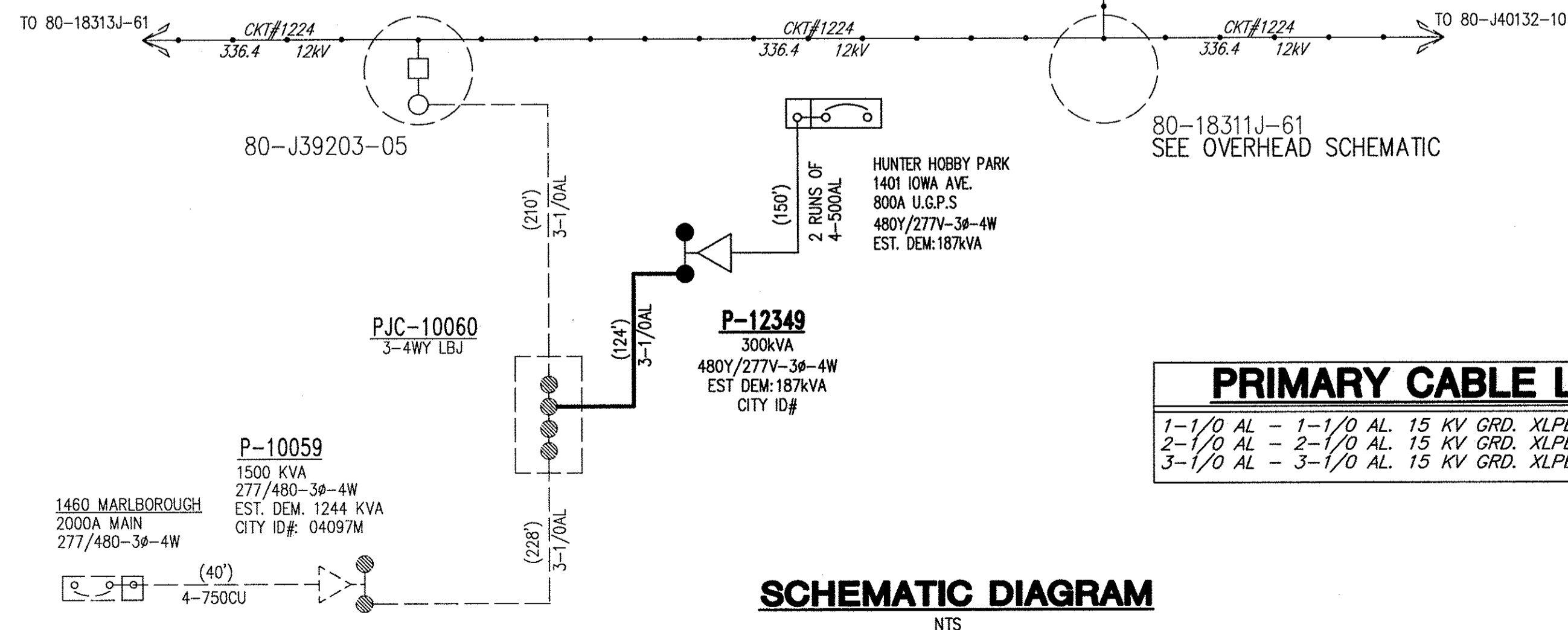


TRANSFORMER CLEARANCE DETAIL



PRIMARY CABLE LEGEND

- 1-1/0 AL - 1-1/0 AL 15 KV GRD. XLPE C.N. JKT. CABLES.
- 2-1/0 AL - 2-1/0 AL 15 KV GRD. XLPE C.N. JKT. CABLES.
- 3-1/0 AL - 3-1/0 AL 15 KV GRD. XLPE C.N. JKT. CABLES.



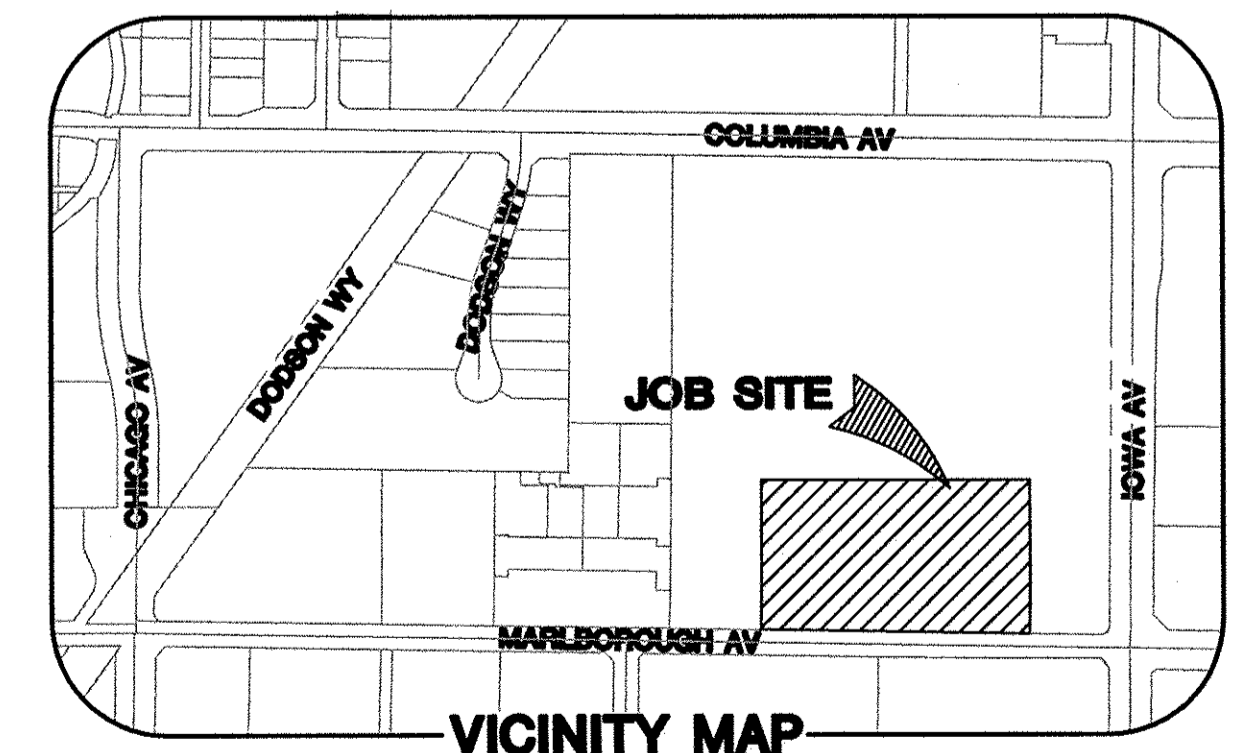
SCHEMATIC DIAGRAM

CUSTOMER PARTICIPATION

1. ALL FACILITIES INSTALLED BY DEVELOPER SHALL BE INSPECTED AND APPROVED BY THE DEPARTMENT CONSTRUCTION INSPECTOR (PH. 826-2416). ANY CHANGES SHALL BE APPROVED BY THE DEPARTMENT PRIOR TO EXECUTION. THE DEVELOPER SHALL BE RESPONSIBLE FOR COORDINATING ALL PHASES OF CONSTRUCTION WITH THE DEPARTMENT CONSTRUCTION SUPT. (PH. 351-6300) AFTER THE INSPECTOR HAS NOTIFIED CONSTRUCTION THAT THE CUSTOMER'S WORK IS COMPLETE AND READY FOR DEPARTMENT WORK.
 2. PROVIDE AND INSTALL ALL SUBSTRUCTURES, CONDUITS, (POLE RISER CONDUIT EXCEPTED) TRENCHING, BACKFILLING, AND RESURFACING AS SHOWN IN CONFORMANCE WITH THE FOLLOWING STANDARD DRAWINGS; UGS-020, 100, 100.1, 101, 115.1, 116, AND 125.2.
 3. EXCAVATION FOR POWER SUBSTRUCTURES, CONDUITS AND ELECTROLIER FOUNDATIONS MUST BE DONE AFTER INSTALLATION OF CURBS & GUTTERS, BUT BEFORE INSTALLATION OF CURB RETURNS WITH SPANDRELS, CROSS GUTTERS, SIDEWALKS, AND DRIVE APRONS.
 4. ALL CONTRACTORS WORKING ON OR AROUND THE DEPARTMENT'S UNDERGROUND ELECTRICAL FACILITIES MUST HAVE THE PROPERLY QUALIFIED PERSONNEL AND EQUIPMENT TO PERFORM THE SPECIFIED WORK. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE TO ESTABLISH AND MAINTAIN A SAFE WORKING ENVIRONMENT INCLUDING, BUT NOT LIMITED TO WORK AROUND ENERGIZED HIGH VOLTAGE FACILITIES, GAS TESTING OF CONFINED SPACES, TRAFFIC AND PROTECTION.
- EVERY ENTRY BY ANY PERSONNEL INTO A PUBLIC UTILITIES HIGH VOLTAGE STRUCTURE WILL REQUIRE THE PRESENCE OF A QUALIFIED ELECTRICAL WORKER IN ACCORDANCE WITH CA/OSHA. ALL DEVELOPERS AND CONTRACTORS ARE REQUIRED TO SUBMIT REQUIRED DOCUMENTATION AND FOLLOW REQUIRED PROCEDURES. COPIES OF THE POLICY AND DOCUMENTS MAY BE OBTAINED AT 3901 ORANGE ST. RIVERSIDE, CA OR AT WWW.RIVERSIDE.CA.GOV/UTILITIES/ELEC-WORKERSREGS.ASP
5. THE CITY INSPECTOR HAS THE AUTHORITY TO STOP THE CONTRACTOR'S WORK IF HE DETERMINES THAT ADEQUATE SAFETY PRECAUTIONS ARE NOT BEING TAKEN. HOWEVER, THE PRESENCE OF THE CITY INSPECTOR DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR INSURING SAFE AND APPROPRIATE WORK PRACTICES.
 6. ACQUIRE A STREET OPENING PERMIT PRIOR TO EXCAVATING IN STREET RIGHT-OF-WAY.
 7. METER ROOM DOOR TO HAVE SCHLAGE LOCK KEYS TO DEPARTMENT MASTER KEY; OR DOUBLE HASP.
 8. ALL APPLICABLE SERVICE CHARGES TO BE PAID TO THE DEPARTMENT PRIOR TO INSTALLATION OF DEPARTMENT FACILITIES.
 9. PLEASE NOTE ELECTRIC UTILITY CREWS WILL BE SCHEDULED AS SOON AS ALL ITEMS ABOVE ARE COMPLETED. AFTER UTILITY STRUCTURE WORK IS APPROVED, ALLOW TWENTY OR MORE WORKING DAYS LEAD TIME IN YOUR SCHEDULE BEFORE ELECTRIC UTILITY CREW WORK BEGINS.
 10. THE UNDERGROUND PULL SECTION OF YOUR SERVICE ENTRANCE SWITCHGEAR AND METERING FACILITIES MUST BE COMMERCIAL RATED AND COMPLY WITH RPU APPROVED EUSERC (ELECTRIC UTILITY SERVICE EQUIPMENT REQUIREMENTS COMMITTEE) CONFIGURATIONS. PLEASE FORWARD SEVEN (7) LEGIBLE PAPER COPIES OR ONE (1) LEGIBLE AND PRINTABLE ELECTRONIC COPY OF MANUFACTURER'S SWITCHGEAR SHOP DRAWINGS TO THE ENGINEER NOTED BELOW FOR UTILITY APPROVAL PRIOR TO SWITCHGEAR FABRICATION. FAILURE TO RECEIVE UTILITY APPROVAL PRIOR TO FABRICATION COULD RESULT IN CHANGES TO THE SWITCHGEAR AND DELAY YOUR ELECTRIC SERVICE. ALL COSTS TO MAKE THE NECESSARY CORRECTION FOR COMPLIANCE TO RPU APPROVED EUSERC CONFIGURATIONS WILL BE BORNE BY THE DEVELOPER OR CONTRACTOR.
- UTILITY APPROVAL OF THE SWITCHGEAR IS REQUIRED FOR EVERY NEW COMMERCIAL SERVICE INCLUDING TENANT IMPROVEMENTS.
11. INSTALLATION OF PRIVATE FACILITIES THAT ARE TOO CLOSE TO OUR STRUCTURES AND/OR THE SAME DEPTH AS OUR CONDUITS MAY REQUIRE REDIGGING AND LOWERING THE STRUCTURE AND ADDING GRADE RINGS AS NEEDED.

DEPARTMENT PARTICIPATION

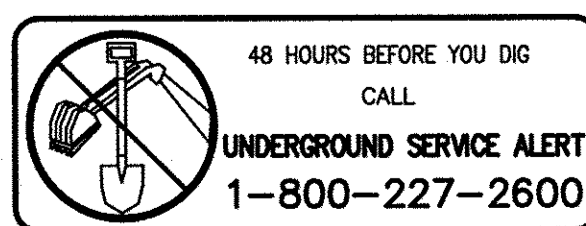
1. PROVIDE AND INSTALL ALL POLE RISER CONDUITS, CABLES, TERMINATIONS, AND TRANSFORMERS FROM SOURCE TO TERMINATING PULLSECTION OR PULLBOX AS SHOWN IN CONFORMANCE WITH STANDARD CONSTRUCTION METHODS (STREET LIGHT FACILITIES EXCEPTED). MATERIALS TO BE SPECIFIED ON JOB MATERIAL LISTS.
2. OBTAIN CIRCUIT NUMBER AND RECLOSER TYPE FROM SUBSTATION OPERATOR.
3. CALL PUBLIC WORKS DEPARTMENT INSPECTION DIVISION (PH. 826-5346) FOR INSPECTION OF STREET OR ALLEY RIGHT-OF-WAY EXCAVATIONS.
4. TRANSFORMER IS A 3Ø-12470 GRD. Y/7200-480Y/277V PADMOUNT.
5. FOR ENGINEERING INFORMATION AND/OR STAKING CONTACT JOSUE BALDERRAMA AT 826-5995 OR BOBBY HARRIS AT 826-2138

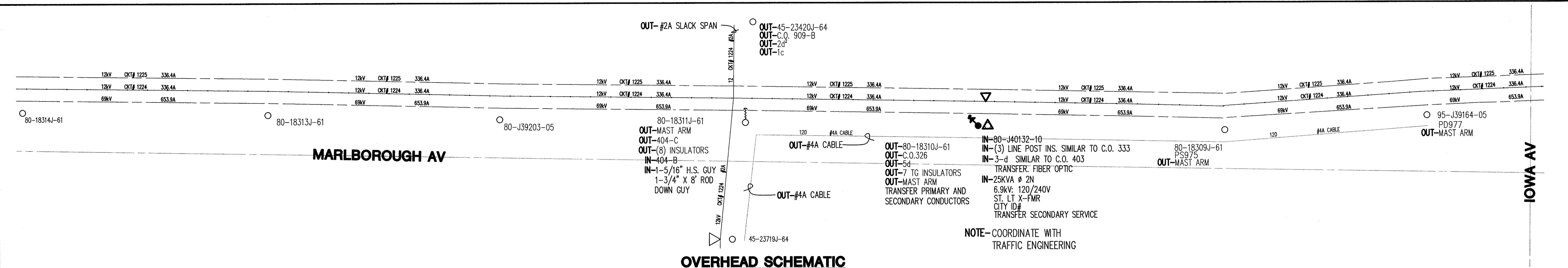


EST. DEM: 187KVA
REF DWGS: N/A

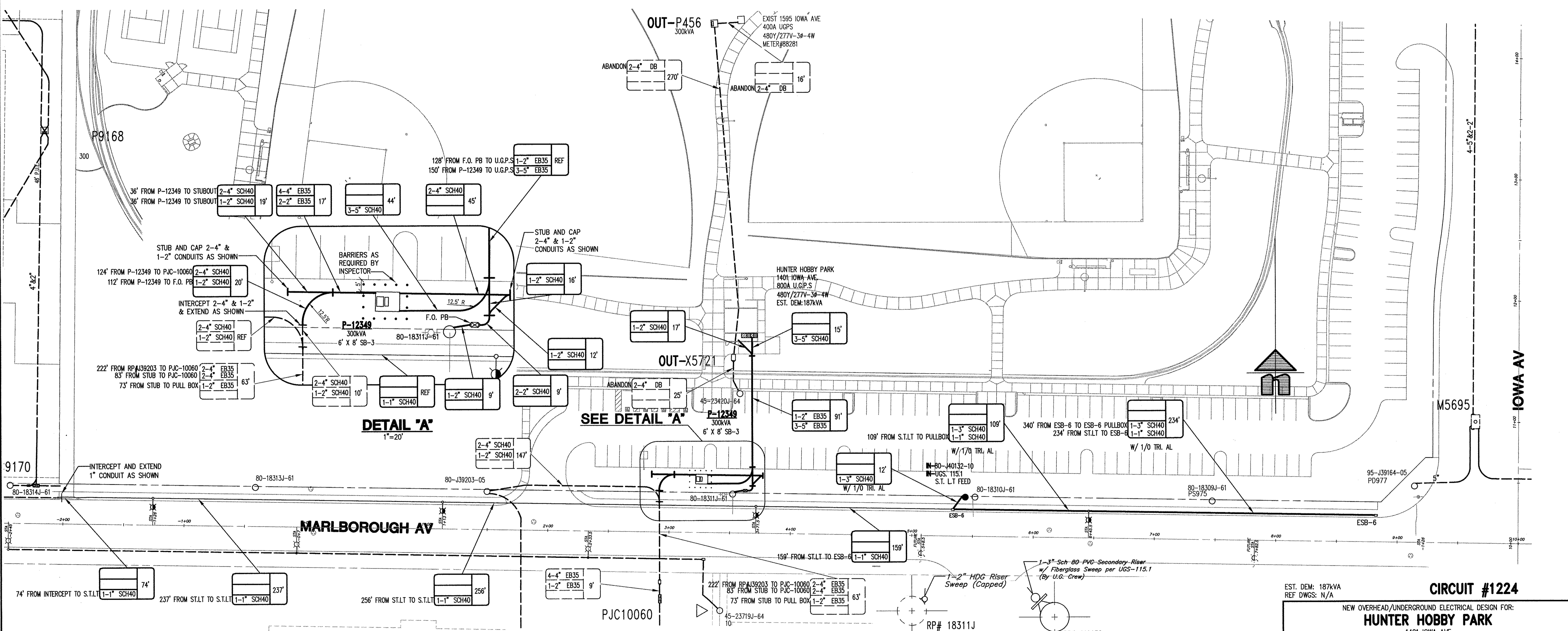
CIRCUIT #1224

NEW OVERHEAD/UNDERGROUND ELECTRICAL DESIGN FOR:			
HUNTER HOBBY PARK			
1401 IOWA AVE			
SCALE 1" = 40'	DRAWN JBALDERRAMA	CITY OF RIVERSIDE DEPARTMENT OF PUBLIC UTILITIES	
DATE 04/11/10	CHECKED <i>[Signature]</i>		
JPA NO. N/A	APPROVED	TASK # 1022067-01	UOL
MAP BK 26-1	BOARD DATE N/A	WORK ORDER # 1022067	
PERMIT NO. 09-2771	ACCT. 6130000-470601	SIZE 5	PROJECT-SUBPROJECT # 100003-29
REVISIONS	DATE	SHEET 1	OF 2





OVERHEAD SCHEMATIC
1"=40'



DETAIL 'A'
1"=20'

SEE DETAIL 'A'

SITE PLAN
1"=40'

MARLBOROUGH AV RISER DETAIL
N.T.S.

MARLBOROUGH AV RISER DETAIL
N.T.S.

EST. DEM: 187kVA
REF DWGS: N/A

CIRCUIT #1224

NEW OVERHEAD/UNDERGROUND ELECTRICAL DESIGN FOR:
HUNTER HOBBY PARK
1401 IOWA AVE

SCALE 1" = 40'	DRAWN J.BALDERRAMA	CITY OF RIVERSIDE DEPARTMENT OF PUBLIC UTILITIES
DATE 04/11/10	CHECKED [Signature]	
JPA NO. N/A	APPROVED	TASK # 1022067-01
MAP BK 26-1	BOARD DATE N/A	WORK ORDER # 1022067-01
ACCT. 6130000-470601	PERMIT NO. 09-2771	PROJECT-SUBPROJECT # 100003-29
ASBUILT APPROV		UOL
REVISIONS		DATE
SHEET 2 OF 2		