

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Amendment/Modification No. A00001	2. Effective Date June 19, 2019	3. Requisition/Purchase Order No.	4. Project No. (if applicable) OPS 19-R-0008
--	------------------------------------	-----------------------------------	---

5. ISSUED BY Housing Authority of the City of El Paso, Texas Procurement Department 5300 E. Paisano Dr. El Paso, TX 79905-2931 Mr. Juan Pulido, Procurement Manager	6. ADMINISTERED BY (if other than Item 5) Housing Authority of the City of El Paso, Texas Public Housing Department 5300 E. Paisano Dr. El Paso, TX 79905-2931 Tel: 915-849-3789 Fax: 915- 849-3868 erocha@hacep.org
--	--

7. NAME AND ADDRESS OF CONTRACTOR (No., Street Name, County, State & Zip Code)	8a. Amendment of Solicitation No. OPS 19-R-0008
	8b. Dated (see item 10) June 19, 2019
	9a. Modification of Contract No.
	9b. Dated (see item 12)

10. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATION

The above numbered solicitation is amended as set forth in Item 13. The hour and date specified for receipt of Offers is:
 is extended is not extended.

Offerors must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:

(a) By completing Items 7 & 14, and returning _____ copy (ies) of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter, email, or fax which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such a change may be made by email, fax or letter, provided each email, fax or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

11. ACCOUNTING AND APPROPRIATION DATE (if required) PHA

12. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT IT MODIFIES THE CONTRACT NO. DESCRIBED IN ITEM 13.

- A. This change order is issued pursuant to (Specify Authority)
The changes set forth in Item 13 are made in the Contract No. in Item 9a.
- B. The above numbered contract is modified to reflect the administrative changes (such as changes in paying office, appropriation data, etc). Set forth in Item 13 pursuant to the authority of FAR 43.103 (b).
- C. This supplemental agreement is entered into pursuant to the authority of:
- D. Other (Specify type of modification and authority)

E. **IMPORTANT:** Contractor is not is required to sign this document and return ALL copies to the issuing office.

13. Description of amendment/modification: **Amendment No. A00001 – 1. Pre-proposal meeting minutes, agenda (Attachment B) and attendance sheet (Attachment A) 2. Remove and Replace pages 2 and 3 of scope of work (Table of Contents) 3. Add Section 32 32 00 to the scope of work 4. Remove and Replace entire section 11 68 00 Play field equipment and structures 5. Attachment C list of revisions to plans and specs. Revised plans are attached**

14a. NAME AND TITLE OF SIGNER (Type or print)	15a. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Gerald Cichon, Chief Executive Officer
---	---

14b. OFFEROR/CONTRACTOR _____ (Signature of Authorized Person)	14c. Date Signed	15b. _____ (Signature of Contracting Officer)	15c. Date Signed
--	------------------	--	------------------

APPROVED AS TO FORM: _____
HACEP Legal Counsel

DATE: _____ HACEP Form 001



Housing Authority of the City of El Paso

MEMORANDUM FOR FILE

DATE: June 13, 2019 @ 2:00 P.M.
SUBJECT: Pre-Proposal Conference
OPS 19-R-0008 Design for Juan Hart and Lt. Palmer Baird Memorial Apartments

Schedule of Events

I. Chronology

A meeting was held Thursday June 13, 2019 in reference to the above-mentioned subject.

Meeting began at 2:00 P.M.

Location: Conference Room 212

Attendees: **See Attachment A**

II. Minutes of the Meeting

Ms. Eddie Rocha, Contract Specialist continued the Pre-Proposal agenda

1. INTRODUCTION

- No Taping of the Meeting
- Introduction of Staff
- Purpose of the Meeting

2. INTENT OF THE ACQUISITION

- Description of the acquisition
- Evaluation Criteria
- Contract Type –
- Terms and Conditions,
- Proposal Closing Date/Time; June 25, 2019 at 3:00 P.M.
- Attachments to be submitted (bank letter, etc.)
- Electronic Signatures; new method of signing contracts; opportunity to opt out

3. STATEMENT OF WORK – Overview of the intent of the acquisition. Mr. Luis Hernandez and Ms. Deborah Hradek provided a brief overview of the work to be performed and the project requires.

4. NOTICE OF INTENT TO DISTRIBUTE QUESTIONS AND ANSWERS TO POTENTIAL OFFERORS – Deadline to submit questions in writing is June 17, 2019 at 3:00 P.M.

5. QUESTIONS AND ANSWERS

There were no questions asked at the pre-proposal meeting

Meeting concluded at 2:35 P.M.

Attachments:

A – Attendance Sheet

B – Pre-Proposal Conference Agenda



Attendance Sign in

ATTACHMENT A

PRE-PROPOSAL MEETING

Project Name: Design for Juan Hart and Lt. Palmer Baird Memorial Apartments OPS 19-R-0008

Date: June 13, 2019 time: 2:00 PM - 3:00 PM Room #: 212 Page 1 of 1

NAME OF ATTENDEE	COMPANY NAME OR HACEP DEPARTMENT	EMAIL ADDRESS	PHONE NUMBER	FAX NUMBER
Eddie Rocha	HACEP	erocha@hacep.org	915-849-3789	915-849-3868
Pamela Soto	HACEP	psoto @ hacep.org	(915) 849-3874	
Joe Aguayo	Couple Avenida	info@mycompletehome.org	915-845-9990	
Jesus Carona	915 Hawler	915hawler@gmail.com	915-241-7286	
Nancy Ontiveros	Sarahias	nancy@saraha.com	915-588-8654	
ABELARDO GONZALEZ	HACEP	ACEDILLOS @ HACEP.ORG	915-270-0431	
Luis J. Hernandez	HACEP	lhernandez @ hacep.org	915-494-4347	
DANIELA VERA	HACEP	dliera @ hacep.org	920-290-9065	
DEBORAH BREA HERRERA	SITES SOUTHWEST	sites-sw.com	915-351-8800	
BRYAN LONG	ACCENT	blonga @ accentb.org	915 283 1751	
Valeria Lopez	Sites Southwest	vlopez @ sites-sw.com	915 351 8800	
RODOLFO MARISCAL	Sites Southwest	rmariscal @ sites-sw.com	915 351 8800	
Juan Pulido	HACEP	jpulido @ hacep.org		



Housing Authority of the City of El Paso

Pre-Proposal Conference Agenda

Solicitation Number: OPS 19-R-0008

Solicitation Name: Design for Juan Hart and Lt. Palmer Baird Memorial Apartments

Date: 6/13/19

1. INTRODUCTION:

- Taping of the meeting (Yes or No)
- Introduction of staff
- Purpose of the meeting – improve understanding of HACEP requirements and allowing potential offerors the opportunity to judge whether or how they can satisfy the requirement
- Nothing said at this conference will change any of the terms of the RFP unless a subsequent written amendment to the solicitation is issued.

2. INTENT OF THE ACQUISITION:

- Description of the acquisition – methodology - Competitive Proposals Process that will use several criteria to evaluate the proposals.
- Evaluation criteria
- Contract type
- Terms and Conditions
- Proposal Closing Date and Time is June 17, 2019 @ 3pm. The proposal must be received by Contract Compliance at that time.
- Attachments to be submitted (bank letter, etc.)
- Electronic Signatures; new method of signing contracts; opportunity to opt out

3. STATEMENT OF WORK – Overview of the intent of the acquisition

4. NOTICE OF INTENT TO DISTRIBUTE QUESTIONS AND ANSWERS TO POTENTIAL OFFERORS.

5. **Be advised that during the solicitation process, the Contract Specialist (Eddie Rocha) is the only point of contact. Any form of contact by a offeror or potential offeror with Commissioners of the Housing Authority of the City of El Paso, Texas, any person employed by HACEP or HACEP contracted consultant will constitute grounds for rejection of their proposal.**

6. REMINDER – Proposers must submit (1) original proposal (so marked), and three (3) copies (so marked), and one (1) electronic file of the proposal.

7. ALL QUESTIONS – Must be submitted in writing no later than June 25, 2019 @ 3pm.

Juan Hart and Lt. Palmer Baird Memorial Apartments

REVISED ITEMS FOR BIDDING PLAN SET

- G-002 – NOTE “HERBICIDE NOTES (CONTINUED)” WAS ADDED TO THE NOTE’S HEADING.
- LD 100 – DEMOLITION HATCH AT BOTH PROPERTIES WAS REVISED TO ACCOMMODATE LIMITED CONSTRUCTION AREA.
- LD 102 – DEMOLITION HATCH AT PALMER BAIRD PROPERTY WAS REVISED TO ACCOMMODATE LIMITED CONSTRUCTION AREA AND TEXT OVERLAPS
- LD-103 – DEMOLITION HATCH AT JUAN HART PROPERTY WAS REVISED TO ACCOMMODATE LIMITED CONSTRUCTION AREA.
- LC 100 – POURED-IN-PLACE SURFACING WAS REVISED AND SHOW ON OVERALL PLAN.
- LC 102 – ENLARGEMENT KEYNOTE REFERENCE UPDATED AND POURED-IN-PLACE HATCH LEGEND ADDED DETAIL REFERENCE.
- LC 103 – UPDATED JUAN HART POURED-IN-PLACE HATCH AND KEYNOTE REFERENCE FOR DETAIL.
- LC 401 – UPDATED PALMER BAIRD POURED-IN-PLACE HATCH, GENERAL PLAN DIMENSIONS UPDATED, AND POURED-IN-PLACE HATCH LEGEND ADDED DETAIL REFERENCE.
- LC 402 - UPDATED JUAN HART POURED-IN-PLACE HATCH AND GENERAL DIMENSIONS, KEYNOTE LETTER FOR “PLAYGROUND NEW POURED-IN-PLACE SURFACING DESIGN” UPDATED AND POURED-IN-PLACE HATCH LEGEND ADDED DETAIL REFERENCE.
- LC 501 – DETAIL E REVISED TEXT FOR PARK RULES SIGN, AND DETAIL D REVISED TEXT AND KEYNOTES FOR FUTSAL COURT STRIPING.
- LC 502 – DETAIL OF FUTSAL COURT GOAL AND POURED-IN-PLACE SURFACING ADDED, TITLE SHEET UPDATED.
- LC 504 – UPDATED DETAIL E,F,G & H WITH MORE ACCURATE INFORMATION
- LP 100 & LP-102 – 2 NEW TREES MOVED FROM NORTH SIDE OF PLAYGROUND TO SOUTH SIDE OF PLAYGROUND AT BAIRD.

TABLE OF CONTENTS

Section 00 60 00	Project Forms
Section 01 10 00	General Requirements
Section 01 22 00	Unit Prices
Section 01 25 00	Substitution Procedures
Section 01 33 23	Material Approval Submittals
Section 01 40 00	Quality Requirements
Section 01 60 00	Product Requirements
Section 02 41 13	Selective Demolition
Section 02 41 19	Existing Tree & Plant Protection
Section 03 30 00	Cast in Place Concrete
Section 11 68 00	Playfield Equipment & Structure
Section 12 93 00	Site Furnishings
Section 26 00 00	Basic Electrical Requirements
Section 26 05 00	Basic Electrical Materials and Methods
Section 26 05 19	Cable Wire and Connectors 600V
Section 26 05 26	Grounding
Section 26 05 29	Securing and Supporting Methods
Section 26 05 33	Raceway Conduit and Boxes
Section 26 05 53	Electrical Identification
Section 26 24 16	Panelboards
Section 26 51 00	Exterior Lighting
Section 31 11 00	Site Clearing
Section 31 23 00	Site Earthwork
Section 31 23 16	Subgrade Excavation, Backfill and Compaction
Section 31 23 33	Excavation Support
Section 31 25 00	Temporary Controls
Section 31 25 13	Erosion Control
Section 31 33 16	Trench Safety

Section 31 05 23	Concrete Sidewalks
Section 32 11 00	Base Course
Section 32 16 13	Concrete Curb
Section 32 23 01	Site Concrete
Section 32 32 00	Poured-In-Place Playground Surfacing
Section 32 32 44	Rockwall
Section 32 84 00	Landscape Irrigation System
Section 32 93 00	Planting



- LP 101 – NEW TREE ON ATLAS AVE AT THE WEST SIDE OF HART PROPERTY LINE EDGE CHANGED TO DIFFERENT VARIETY.
- LI 102 – GRAPHIC ADJUSTMENTS TO IRRIGATION FOR CLARITY.
- SWPPP 103 – REVISION TO SILT FENCING

SPECIFICATIONS

- TABLE OF CONTENTS – ADDED SPECIFICATION NUMBER 32 32 00 POURED-IN-PLACE
- ADDED SPECIFICATION SECTION 32 32 00 POURED-IN-PLACE
- REPLACED ENTIRE SPECIFICATION 11 68 00 PLAY FIELD EQUIPMENT AND STRUCTURES WITH UPDATED INFORMATION

SECTION 32 32 00 – POURED IN PLACE

PART 1 – GENERAL

1.01 SCOPE

Provide all materials, labor and equipment necessary to install the Surfacing System.

1.02 DESCRIPTION

The Surfacing System is primarily used for playgrounds. It provides overall consistent fall protection and can be easily customized to meet any safety, design and aesthetic requirements. This ADA compliant surfacing creates a resilient, monolithic pad in turn, providing a safe, clean, maintenance-free space for children to play on.

1.03 COMPOSITION

Surfacing System consists of two layers.

- A. Base mat made of 100% recycled styrene butadiene rubber (SBR) mixed with high-grade polyurethane.
- B. Top Surface made of ethylene propylene diene monomer (EPDM) or Thermoplastic Vulcanizate (TPV) mixed with polyurethane.

1.04 QUALITY ASSURANCE

A. Product

- 1. All components of the Surfacing System shall be obtained from authorized distributors. No substitutions or additions of other materials shall be submitted without prior written permission
- 2. System shall be warranted by manufacturer for any defects in material and workmanship.
- 3. No prorated warranties permitted.

B. Qualification

- 1. Surface must be IPEMA certified.
- 2. Test results- see applicable standards section 2.2, A.
- 3. Manufacturer must be in business at least 5 years.
- 4. The Applicator/ Installer shall be trained and approved by Inc. and must have installed a minimum of 10 applications.

C. Applications

- 1. Acceptable substrates for the Playground System include asphalt, concrete and compacted stone. Other substrates shall be approved prior to application.

2. Conditions of all substrates with respect to structural and drainage performance must be evaluated and approved by the applicator prior to applying the Surfacing System. Owner or General Contractor is responsible for drainage.

D. Acceptable Manufacturers are required to provide product data demonstrating that they meet or exceed product specifications complying with this section.

1.05 SUBMITTALS

- A. Material product data
- B. Color Chart
- C. Sample colors if needed
- D. Warranty
- E. Product liability Insurance Certificate
- F. IPEMA Certification

1.06 DELIVERY, STORAGE & HANDLING

- A. Deliver all materials in good condition, in original unopened packages with labels intact.
- B. Store all materials protected from weather and at temperature not less than 32° F (0°C) for any 12-hour duration.

1.07 JOB CONDITIONS

- A. Ambient air temperature shall be 32° F (0°C) or greater and rising at the time of installation of the surface and shall remain at 32° F (0°C) or greater for at least 24 hours after application.
- B. Adjacent materials and the surface shall be protected during installation, while curing and unattended, from weather and other damage.

1.08 ALTERNATES AND ALLOWANCES

Systems to be considered equal to those specified herein shall be approved by the architect, in writing, at least ten working days prior to the project bid date.

PART 2 – PRODUCTS

2.01 GENERAL

All material components of the Surfacing System shall be obtained from the same manufacturer or its authorized distributors.

2.02 MATERIALS

- A. Primer: A single-component moisture cured polyurethane primer.
- B. Binder: An elastic polyurethane pre-polymer, MDI based, low odor, capable of excellent weathering and binding characteristics. Binder shall contain no TDI Monomers.

C. Black SBR:

1. Shall be recycled SBR Rubber
2. Shall be cryogenically processed
3. Shall be 3/8" shredded mesh or 6/20 mesh and contains less than 4% dust.
4. Shall be packed in suitable bags to protect SBR from moisture
5. Base mat thickness: 1 to 4.75 inches, depending on critical fall height of playground equipment.

D. EPDM Rubber or Thermoplastic Vulcanizate (TPV):

1. A manufactured rubber having a density of 1 to 4mm.
2. Available in standard colors: terra cotta, blue, green, light blue, dark green, light green, tan, black and premium colors: eggshell, teal, aqua, yellow, grey, purple, brown, orange, charcoal, and light grey (colors subject to change).
3. Available in any mixture of above colors.
4. Thickness is nominal 1/2" or 2.44 lb. per square foot.

2.03 TECHNICAL INFORMATION

A. Applicable Standards

1. Shock attenuation under ASTM-F-1292 – GMAX less than 200
2. Head Injury Criteria – less than 1000
3. Non-slip characteristics under ASTM-E-303
4. IPEMA Certified
5. Flammability under 8S -5696 and ASTM-D-2859
6. Tensile strength (ASTM D412) - 60 psi
7. Tear resistance (ASTM D624) – 140%

B. Chemical Properties

1. Base mat: 85% SBR Rubber Buffings, 15% Polyurethane Binder
2. Top Surface: 78% EPDM or TPV Rubber Granules, 22% Polyurethane Binder

PART 3 – EXECUTION

3.01 INSPECTIONS

- A. Prior to application of System, the substrates shall be examined by installation technician for compliance with the contract document of specifications. The general contractor and architect shall be advised of all discrepancies. Work shall not proceed until unsatisfactory conditions are corrected.

3.02 INSTALLATIONS

- A. Primer: Apply primer with a short nap roller at the rate of 300 square feet per gallon. Do not over saturate substrate. Prime area 1.5 - 2 feet around perimeter and any adjacent vertical barriers such as playground equipment support legs, curbs or edging that will contact the surfacing system.

NOTE: Do not use primer over compacted stone.

B. Resilient Base Mat:

1. Apply mixed binder/SBR at desired thickness 1/8" higher than measuring bar.
2. Using a steel pool trowel, even binder/SBR mixture. Be sure to continuously lubricate trowel with kerosene, diesel fuel or soapy water. Do not saturate surface with these lubricants.
3. As the mixture is leveled apply a downward pressure onto the surface so that the mixture compacts tightly.
4. Check surface to be level.
5. Allow to dry for 10 to 12 hours or until no indentations can be made by foot traffic.

C. Top Surface:

1. Apply mixed binder/granule at a nominal 1/2" thickness.
2. Using a steel pool trowel, spread even rubber/granule mixture. Be sure to continuously lubricate trowel with kerosene, diesel fuel or soapy water.
3. As the mixture is leveled apply a downward pressure onto the surface so that the mixture compacts tightly.
4. Check surface to be level.
5. Cold joints must be cut and primed prior to installing a different color surface.
6. Allow to cure for a minimum of 24 to 48 hours prior to usage. At the end of the minimum curing period, verify that the top surface is sufficiently dry and firm to allow foot traffic and use without damage to the surface. Do not allow foot traffic or use of the surface until it is sufficiently cured.

D. Edge Details: Available upon request.

3.03 WARRANTY

The standard warranty period is 5 years from the date of project installation completion.

3.04 PROTECTION

It is the responsibility of the customer/owner to provide security to protect the surface from foot traffic or vandalism during the 48 hour cure period.

END OF SECTION

SECTION 11 68 00 - PLAY FIELD EQUIPMENT AND STRUCTURES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes freestanding and composite structure playground equipment.
- B. Related Sections:
 - 1. Section 321816.13 "Playground Protective Surfacing" for protective surfacing under and around playground equipment.

1.3 DEFINITIONS

- A. Fall Height: According to ASTM F 1487, "the vertical distance between a designated play surface and the protective surfacing beneath it."
- B. HDPE: High-density polyethylene.
- C. IPEMA: International Play Equipment Manufacturers Association.
- D. LLDPE: Linear low-density polyethylene.
- E. MDPE: Medium-density polyethylene.
- F. Use Zone: According to ASTM F 1487, the "area beneath and immediately adjacent to a play structure or equipment that is designated for unrestricted circulation around the equipment and on whose surface it is predicted that a user would land when falling from or exiting the equipment."

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.

1.5 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Plans, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items involved:
 - 1. Extent of surface systems and use zones for equipment.

2. Critical heights for playground surfaces and fall heights for equipment.

- B. Qualification Data: For qualified ASTM approved Manufacturer.
- C. Product Certificates: For each type of playground equipment, from manufacturer.
- D. Material Certificates: For the following items, signed by manufacturers:
 - 1. Shop finishes.
 - 2. Wood-Preservative Treatment: Include certification by treating plant that states type of preservative solution and pressure process used, net amount of preservative retained, and compliance with applicable standards.
 - 3. Recycled plastic.
- E. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for each type of playground equipment.
- F. Field quality-control reports.
- G. Warranty: Sample of special warranty.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For playground equipment and finishes to include in maintenance manuals.

1.7 QUALITY ASSURANCE

- A. Manufacturer Qualifications: A firm whose playground equipment components have been certified by IPEMA's third-party product certification service.
 - 1. Provide playground equipment and play structure components bearing the IPEMA Certification Seal.
 - 2. Provide the following playground equipment and play structure components bearing the IPEMA Certification Seal:
 - a. Playbooster LSI 177330A, LSI 174018A, LSI 182503c
 - b. Playbooster LSI 164075B, LSI 176038G, LSI 177336A, LSI 182503A
- B. Installer Qualifications: An employer of workers approved by manufacturer.
- C. Safety Standards: Provide playground equipment complying with or exceeding requirements in ASTM F 1487 & CPSC No. 325.
- D. Preinstallation Conference: Conduct conference at project site. Coordinate with owner representative.

1.8 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of playground equipment that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures.
 - b. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - 2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.
 - 1. Extruded Bars, Profiles, and Tubes: ASTM B 221 (ASTM B 221M).
 - 2. Cast Aluminum: ASTM B 179.
 - 3. Flat Sheet: ASTM B 209 (ASTM B 209M).
- B. Steel: Comply with the following:
 - 1. Steel Plates, Shapes, and Bars: ASTM A 36/A 36M, hot-dip galvanized.
 - 2. Steel Pipe: ASTM A 53/A 53M or ASTM A 135/A 135M standard-weight, hot-dip galvanized.
 - 3. Steel Tubing: ASTM A 513, cold formed, hot-dip galvanized.
 - 4. Steel Sheet: ASTM A 1011/A 1011M, hot-dip galvanized not less than G60 (Z180) coating designation.
 - 5. Perforated Metal: Steel sheet not less than 0.120-inch (3.0-mm) uncoated thickness; hot-dip galvanized; manufacturer's standard perforation pattern.
 - 6. Expanded Metal: Manufacturer's standard carbon-steel sheets complying with ASTM F 1267, Type II (expanded and flattened); deburred after expansion.
 - 7. Woven Wire Mesh: Manufacturer's standard, with wire complying with ASTM A 510 (ASTM A 510M).
- C. Stainless-Steel Sheet: ASTM A 240/A 240M or ASTM A 666; Type 304; finished on exposed faces with No. 2B finish.
- D. Opaque Plastic: Color impregnated, UV stabilized, and mold resistant.
 - 1. Polyethylene: Fabricated from a minimum of 96 percent recycled, plastic resin; rotationally molded HDPE, LLDPE, or MDPE with not less than 1/4-inch (6-mm) wall thickness.
- E. Transparent Plastic: Abrasion-resistant, UV-stabilized monolithic polycarbonate sheet; clear & colorless; not less than 3/16 inch (5 mm) thick.

ADDENDUM I

- F. Chain and Fittings: ASTM A 467/A 467M, Class CS, 4/0 or 5/0, welded-straight-link coil chain; hot-dip galvanized. With commercial-quality, hot-dip galvanized steel connectors and swing or ring hangers.
- G. Castings and Hangers: Malleable iron, ASTM A 47/A 47M, Grade 32510, hot-dip galvanized.
- H. Post Caps: Cast aluminum, UV-stabilized, mold-resistant polyethylene; color to match posts.
- I. Platform Clamps and Hangers: Zinc-plated steel, not less than 0.105-inch- (2.7-mm-).
- J. Hardware: Manufacturer's standard; commercial-quality; corrosion-resistant; hot-dip galvanized steel and iron, stainless steel, or aluminum; of a secure and vandal-resistant design.
- K. Fasteners: Manufacturer's standard; corrosion-resistant; hot-dip galvanized or plated steel and iron, or stainless steel; permanently capped, and theft resistant.

2.2 WOOD-PRESERVATIVE-TREATED MATERIALS

- A. Preservative Treatment: Pressure-treat wood according to AWWA U1 and the following:
 - 1. Use preservative chemicals acceptable to authorities having jurisdiction and containing no arsenic or chromium. Use chemical formulations that do not bleed through or otherwise adversely affect finishes. Do not use colorants to distinguish treated materials from untreated materials.
 - 2. Kiln-dry lumber and plywood after treatment to a maximum moisture content, respectively, of 19 and 15 percent. Do not use materials that are warped or do not comply with requirements for untreated materials.

2.3 PLAYGROUND EQUIPMENT FABRICATION

- A. General: Provide sizes, strengths, thicknesses, wall thickness, and weights of components as indicated but not less than required to comply with structural performance and other requirements in ASTM F 1487. Factory drill components for field assembly. Unnecessary holes in components, not required for field assembly, are not permitted. Provide complete play structure, including supporting members and connections, means of access and egress, designated play surfaces, barriers, guardrails, handrails, handholds, and other components indicated or required to comply with referenced standards for equipment indicated.
 - 1. Composite Play Structure: Provide complete play structure, designed to be modular, linked, and expandable, forming one integral unit for more than one play activity.
- B. Metal Frame: Fabricate main-frame upright support posts from metal pipe or tubing with cross-section profile and dimensions as indicated. Unless otherwise indicated, provide each pipe or tubing main-frame member with manufacturer's standard drainable bottom plate or support flange. Fabricate secondary frame members, bracing, and connections from either steel or aluminum.
- C. Wood Frame: Fabricate main-frame upright support posts from wood species and with profile and dimensions as indicated. Fabricate secondary frame members, bracing, and connections from wood, steel, or aluminum.

- D. Composite Frame: Fabricate main-frame upright support posts from metal and plastic with profile and dimensions as indicated. Fabricate secondary frame members, bracing, and connections from either steel or aluminum.
- E. Play Surfaces: Provide manufacturer's standard elevated drainable decks, platforms, landings, walkways, ramps, and similar transitional play surfaces, designed to withstand loads; fabricated from perforated or expanded metal made into floor units with slip-resistant foot surfaces. Fabricate units in manufacturer's standard modular sizes and shapes to form assembled play surfaces indicated.
 - 1. Elevated Play Surfaces: Provide protective devices, completely surrounding play surface except for access openings, if play-surface heights above protective surfacing exceed requirements in [ASTM F 1487] [CPSC No. 325].
 - 2. Stepped Play Surfaces: Provide protective infill between stepped platforms.
- F. Protective Barriers: Fabricated such that openings within the barrier and between the barrier and the play surface preclude passage of the torso probe according to [ASTM F 1487] [CPSC No. 325] [the most stringent requirements in ASTM F 1487 and CPSC No. 325]. Provide barriers designed to minimize the possibility of climbing, free of hand- and footholds, and configured to completely surround the protected area except for access openings. Extend barriers above the protected elevated surface for use by age group indicated. Fabricate as recommended by manufacturer.
- G. Guardrails: Provide guardrails configured to completely surround the protected area except for access openings. Fabricate from welded metal pipe or tubing. Extend guardrails to comply with requirements for use by age group indicated.
- H. Handrails: Welded metal pipe or tubing, OD between 0.095 to 1.55 inches (24.1 to 39.4 mm).
 - 1. Provide handrails at heights to comply with requirements for use by age group indicated according to ASTM F 1487 CPSC No. 325.
- I. Roofs and Canopies: Manufacturer's standard, designed to be positioned overhead and to discourage and minimize climbing by users.
 - 1. Fabricated from metal.
- J. Signs: Manufacturer's standard sign panels, fabricated from opaque plastic with graphics molded in, attached to upright support posts.
 - 1. Text: As required by Manufacturer and HACEP
 - 2. Colors: To match play equipment.

2.4 FREESTANDING PLAYGROUND EQUIPMENT AND STRUCTURES

- A. Swing Set Contemporary style with single post legs and Contemporary T-style upright support.
 - 1. Manufacturers: Subject to compliance with requirements,
 - 2. Basis-of-Design Product: Subject to compliance with requirements or comparable product by one of the following:

- a. American Swing Products Inc.
 - b. BCI Burke Company, LLC.
 - c. Big Toys, Inc.
 - d. Blue Imp.
 - e. Columbia Cascade Company.
 - f. GameTime; a PlayCore company.
 - g. Henderson Recreation Equipment Ltd.
 - h. Kidstuff Playsystems, Inc.
 - i. Kompan, Inc.
 - j. Krauss Craft, Inc.
 - k. Landscape Structures Inc.
 - l. L. A. Steelcraft Products, Inc.
 - m. Little Tikes Commercial, Inc; Playpower LT Farmington, Inc.
 - n. Miracle Recreation Equipment Co.; a division of PlayPower, Inc.
 - o. Play & Park Structures; a PlayCore company.
 - p. Playland International, LLC; a division of Superior International Industries, Inc.
 - q. Playworld Systems, Inc.
 - r. PlayTown; a division of SportsPlay Equipment Inc.
 - s. Recreation Creations, Inc.
 - t. OR APPROVED EQUAL
3. Manufacturers: Subject to compliance with requirements, **[provide products by one of the following] [available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following]:**
4. **Basis-of-Design Product:** Subject to compliance with requirements, provide **<Insert manufacturer's name; product name or designation>** or a comparable product by one of the following:
- a. American Swing Products Inc.
 - b. BCI Burke Company, LLC.
 - c. Big Toys, Inc.
 - d. Blue Imp.
 - e. Columbia Cascade Company.
 - f. GameTime; a PlayCore company.
 - g. Henderson Recreation Equipment Ltd.
 - h. Kidstuff Playsystems, Inc.
 - i. Kompan, Inc.
 - j. Krauss Craft, Inc.
 - k. Landscape Structures Inc.
 - l. L. A. Steelcraft Products, Inc.
 - m. Little Tikes Commercial, Inc; Playpower LT Farmington, Inc.
 - n. Miracle Recreation Equipment Co.; a division of PlayPower, Inc.
 - o. Play & Park Structures; a PlayCore company.
 - p. Playland International, LLC; a division of Superior International Industries, Inc.
 - q. Playworld Systems, Inc.
 - r. PlayTown; a division of SportsPlay Equipment Inc.
 - s. Recreation Creations, Inc.

2.5 ALUMINUM FINISHES

- A. Baked-Enamel or Powder-Coat Finish: A minimum dry film thickness of [**3 to 5 mils (0.076 to 0.127 mm)**] medium gloss. Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.
- B. PVC Finish: Manufacturer's standard, UV-stabilized, mold-resistant, slip-resistant, matte-textured, dipped or sprayed-on, PVC-plastisol finish, with flame retardant added, complying with coating manufacturer's written instructions for pretreatment, application, and minimum dry film thickness of [**100 mils (2.5 mm)**]

2.6 IRON AND STEEL FINISHES

- A. Galvanizing: Hot-dip galvanized products made from rolled-, pressed-, and forged-steel shapes, castings, plates, bars, and strips indicated to be galvanized to comply with ASTM A 123/A 123M.
 - 1. Hot-dip galvanized steel and iron hardware indicated to be galvanized to comply with ASTM A 153/A 153M.
 - 2. Galvanized-Steel Sheet: Commercial steel sheet, hot-dip galvanized, complying with ASTM A 653/A 653M for not less than G60 (Z180) coating designation; mill phosphatized.
- B. Baked-Enamel or Powder-Coat Finish: Immediately after cleaning and pretreating, apply manufacturer's standard two-coat, baked-on finish consisting of prime coat and thermosetting topcoat. Comply with coating manufacturer's written instructions for applying and baking to achieve a minimum dry film thickness of [**2 mils (0.05 mm)**]
- C. PVC Finish: Manufacturer's standard, UV-stabilized, mold-resistant, slip-resistant, matte-textured, dipped or sprayed-on, PVC-plastisol finish, with flame retardant added, complying with coating manufacturer's written instructions for pretreatment, application, and minimum dry film thickness of [**100 mils (2.5 mm)**]

2.7 STAINLESS-STEEL FINISHES

- A. Surface Preparation: Remove tool and die marks and stretch lines, or blend into finish.
- B. Bright, Cold-Rolled, Unpolished Finish: No. 2B.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for site clearing, earthwork, site surface and subgrade drainage, and other conditions affecting performance of the Work.
 - 1. Do not begin installation before final grading required for placing protective surfacing is completed unless otherwise permitted by Architect.

- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Verify locations of playground perimeter and pathways. Verify that playground layout and equipment locations comply with requirements for each type and component of equipment.

3.3 INSTALLATION, GENERAL

- A. General: Comply with manufacturer's written installation instructions unless more stringent requirements are indicated. Anchor playground equipment securely, positioned at locations and elevations indicated.

- 1. Maximum Equipment Height: Coordinate installed heights of equipment and components with finished elevations of protective surfacing. Set equipment so fall heights and elevation requirements for age group use and accessibility are within required limits. Verify that playground equipment elevations comply with requirements for each type and component of equipment.

- B. Post and Footing Excavation: Excavate holes for posts and footings as indicated in firm, undisturbed or compacted subgrade soil.

- C. Post Set on Subgrade: Level bearing surfaces with drainage fill to required elevation.

- D. Post Set with Concrete Footing: Comply with [ACI 301] [ACI 301M] for measuring, batching, mixing, transporting, forming, and placing concrete.

- 1. Set equipment posts [in] [on] concrete footing. Protect portion of posts above footing from concrete splatter. Verify that posts are set plumb or at the correct angle, alignment, height, and spacing.

- a. Place concrete around posts and vibrate or tamp for consolidation. Hold posts in position during placement and finishing operations until concrete is sufficiently cured.

- 2. Embedded Items: Use setting drawings and manufacturer's written instructions to ensure correct installation of anchorages for equipment.

- 3. Concrete Footings: Smooth top, and shape to shed water.

3.4 FIELD QUALITY CONTROL

- A. Testing Agency: a qualified testing agency to perform tests and inspections.

- B. Perform tests and inspections.

- 1. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect components, assemblies, and equipment installations, including connections, and to assist in testing.

ADDENDUM I

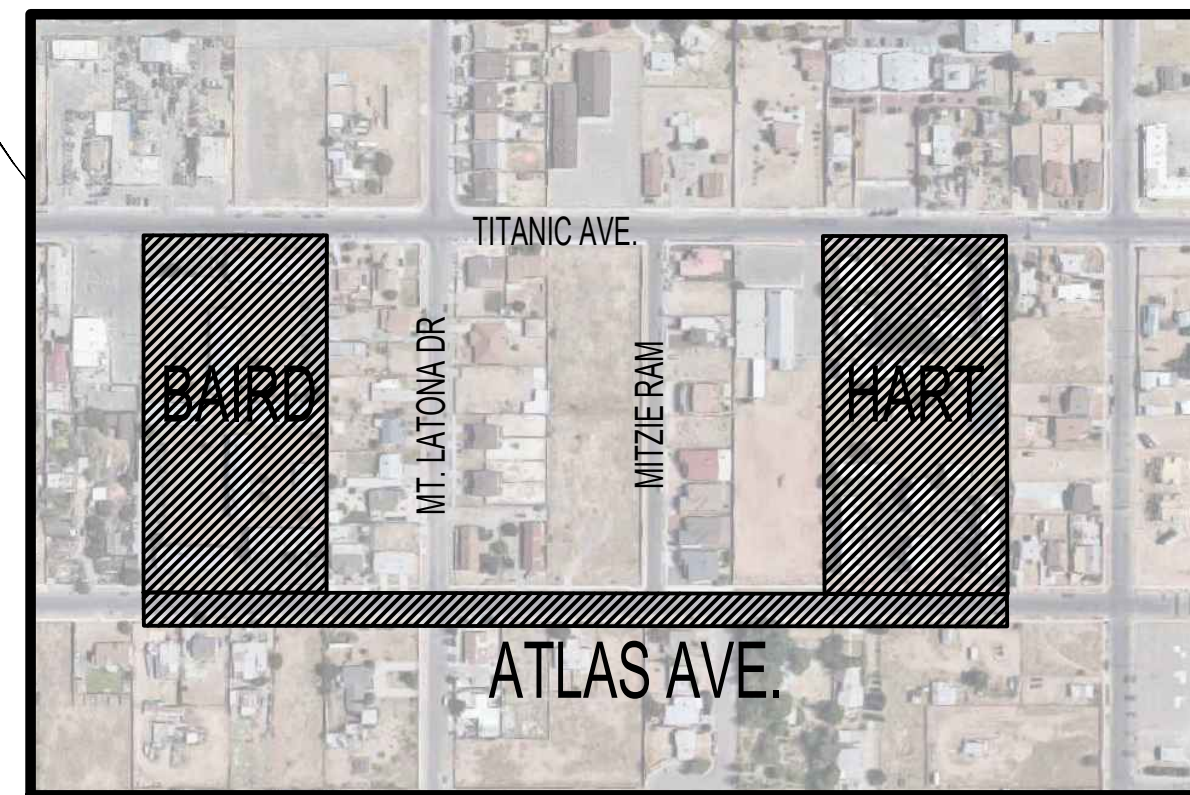
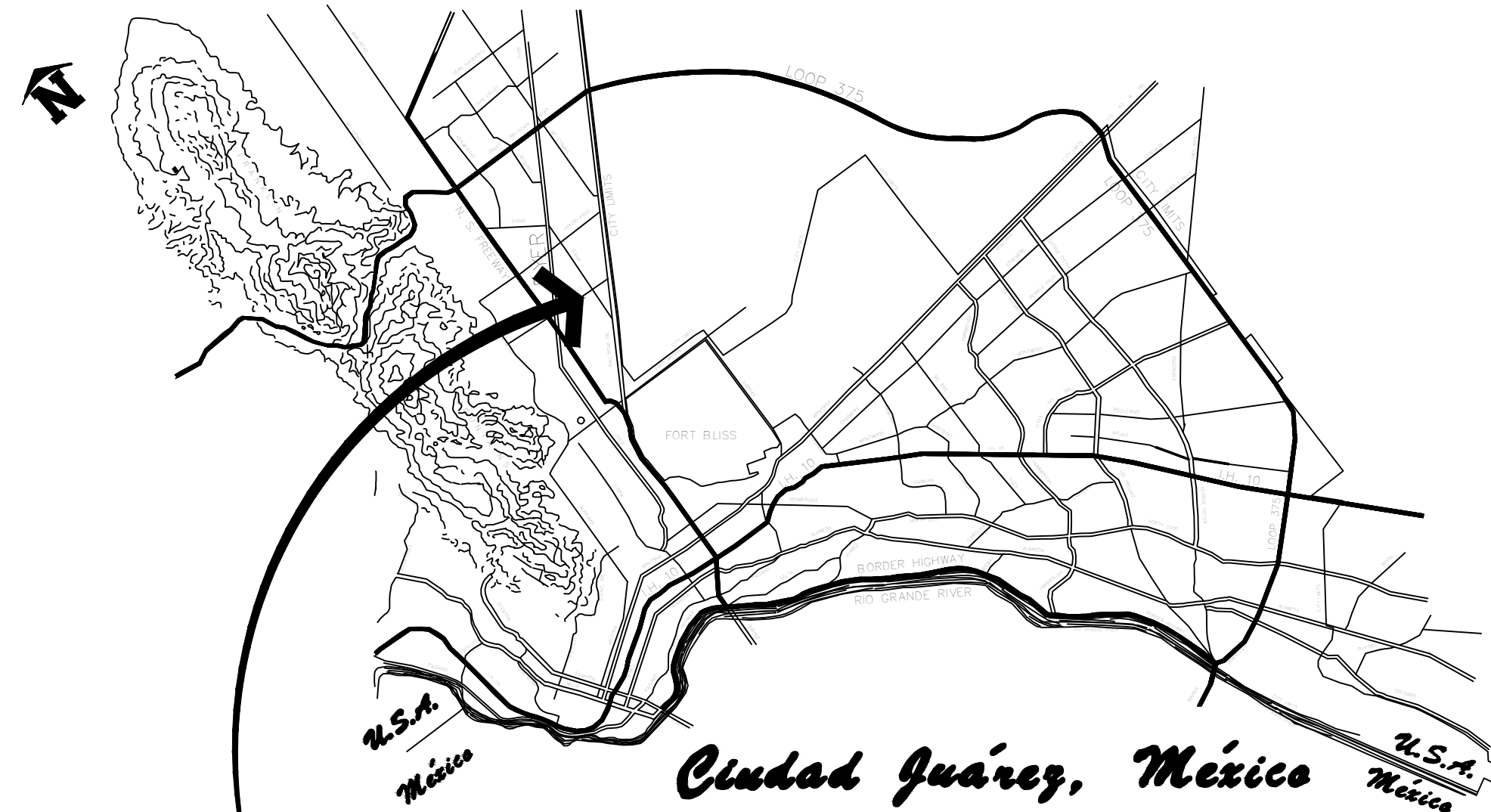
- C. Tests and Inspections: For playground and playground equipment and components [**during installation and**] at final completion and to certify compliance with [**ASTM F 1487**] [**CPSC No. 325**]
- D. Prepare test and inspection reports.
- E. Notify 48 hours in advance of date and time of final inspection.

END OF SECTION 116800



Housing Authority of the City of El Paso

CDBG JUAN HART & LT PALMER BAIRD APARTMENTS IMPROVEMENTS



SHEET LIST TABLE	
Sheet Number	Sheet Title
0-001	COVER AND SHEET INDEX
0-002	ADA STANDARD DETAILS
0-003	NOTES HART & BAIRD
0-004	NOTES HART & BAIRD
C-100	PROJECT OVERALL
C-101	ENLARGED GRADING PLAN ATLAS
C-102	OVERALL GRADING PLAN BAIRD
C-103	ENLARGED GRADING PLAN BAIRD
C-104	OVERALL GRADING PLAN HART
C-105	ENLARGED GRADING PLAN HART
C-300	SECTIONS
C-400	LARGE SCALE TRANSITIONAL SIDEWALKS ATLAS
C-401	LARGE SCALE TRANSITIONAL SIDEWALKS BAIRD
C-402	LARGE SCALE TRANSITIONAL SIDEWALKS HART
C-500	STANDARD DETAILS
C-900	DRIVEWAY ISOMETRIC
LD-100	DEMOLITION OVERALL PLAN
LD-101	DEMOLITION PLAN ATLAS
LD-102	DEMOLITION PLAN BAIRD
LD-103	DEMOLITION PLAN HART
LC-100	CONSTRUCTION OVERALL PLAN
LC-101	CONSTRUCTION PLAN ATLAS
LC-102	CONSTRUCTION PLAN BAIRD
LC-103	CONSTRUCTION PLAN HART
LC-401	ENLARGEMENT PLAN BAIRD
LC-402	ENLARGEMENT PLAN HART
LC-501	CONSTRUCTION DETAILS
LC-502	CONSTRUCTION DETAILS

LC-503	CONSTRUCTION DETAILS
LC-504	CONSTRUCTION DETAILS
LP-100	PLANTING OVERALL PLAN
LP-101	PLANTING PLAN ATLAS
LP-102	PLANTING PLAN BAIRD
LP-103	PLANTING PLAN HART
LP-501	PLANTING DETAILS
LI-100	IRRIGATION OVERALL PLAN
LI-101	IRRIGATION PLAN ATLAS
LI-102	IRRIGATION PLAN BAIRD
LI-103	IRRIGATION PLAN HART
LI-501	IRRIGATION DETAILS
LI-502	IRRIGATION DETAILS
E-100	ELECTRIC OVERALL PLAN
E-101	ELECTRIC PLAN HART
E-102	ELECTRIC PLAN BAIRD
SWPPP-101	STORM WATER POLLUTION PREVENTION PLAN ATLAS
SWPPP-102	STORM WATER POLLUTION PREVENTION PLAN BAIRD
SWPPP-103	STORM WATER POLLUTION PREVENTION PLAN HART
SWPPP-104	STORM WATER POLLUTION PREVENTION NOTES ATLAS
SWPPP-105	STORM WATER POLLUTION PREVENTION NOTES BAIRD
SWPPP-106	STORM WATER POLLUTION PREVENTION NOTES HART
SWPPD-500	STORM WATER POLLUTION PREVENTION DETAILS

BOARD OF COMMISSIONERS

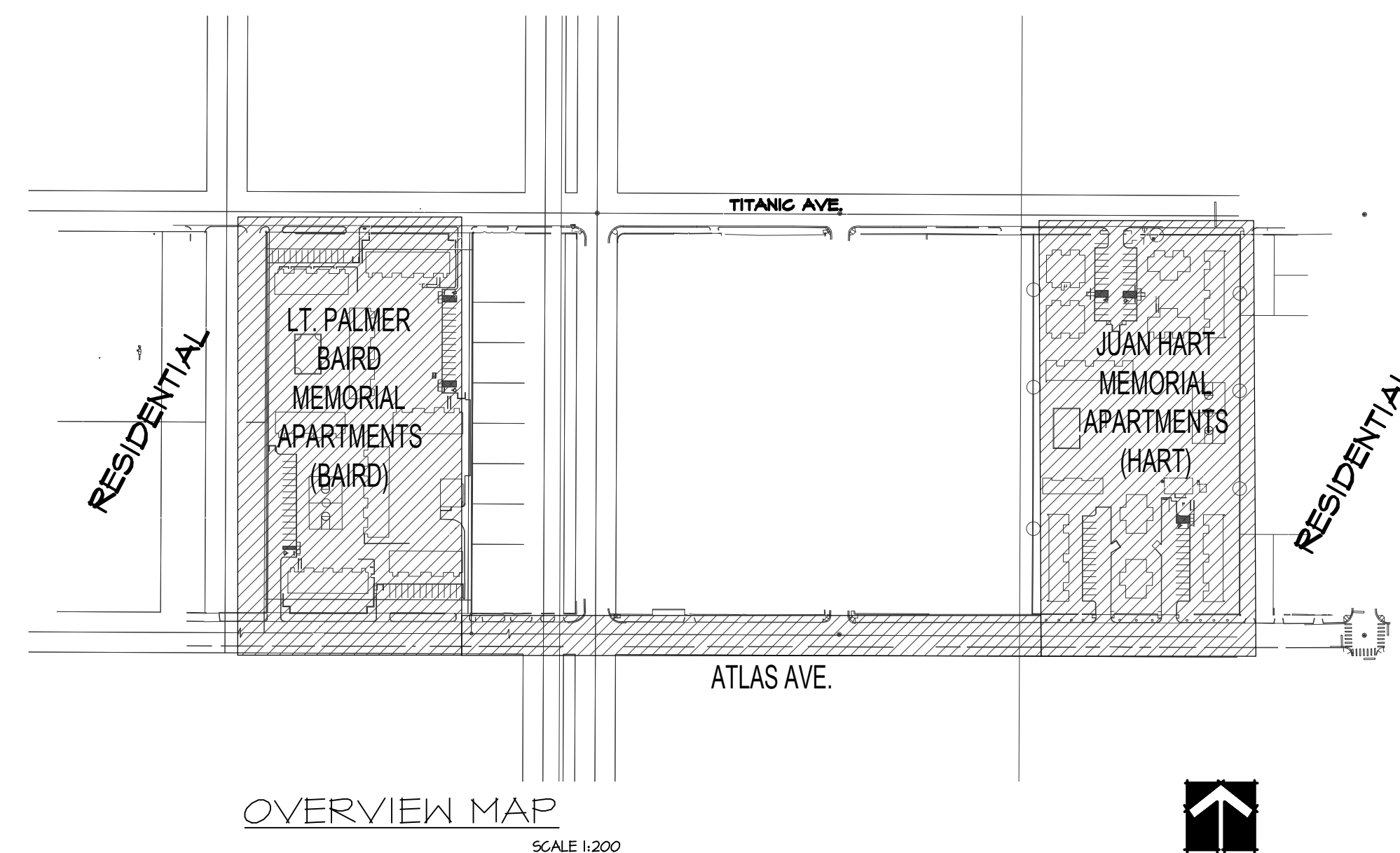
FRANCISCO ORTEGA
EILEEN KARLSRUHER
YADIRA BELTRAN
ROBERT ANDERSON
ANNA LOUISE VALDEZ PEREZ
GERALD CICHON

CHAIRPERSON
VICE-CHAIRPERSON
RESIDENT COMMISSIONER
COMMISSIONER
COMMISSIONER
CHIEF EXECUTIVE OFFICER

ATLAS AVE. LEGAL DESCRIPTION:
ATLAS ROW - NORTH PORTION
EL PASO, EL PASO COUNTY, TEXAS

LT. PALMER BAIRD. LEGAL DESCRIPTION:
LOTS 86 TO 89, BLOCK 2, SUNRISE ACRES
EL PASO, EL PASO COUNTY, TEXAS.
CONTAINING 143,345 SQ. FT. (3.2907 ACRES) +/-

JUAN HART. LEGAL DESCRIPTION:
LOTS 72 TO 75, BLOCK 2, SUNRISE ACRES
EL PASO, EL PASO COUNTY, TEXAS.
CONTAINING 175,213 SQ. FT. (34.0223 ACRES) +/-



OVERVIEW MAP
SCALE 1:200

4861 ATLAS AVE (HART). - 4747 ATLAS AVE.(BAIRD)
EL PASO, TEXAS 79904 - PROJECT FUNDED BY CDBG

SITES SOUTHWEST, LLC
LANDSCAPE ARCHITECT

05-28-2019
DATE

COVER, SHEET INDEX AND
OVERVIEW MAP

OWNER

HACEP
5300 E PAISANO DRIVE
EL PASO TX, 79905

CONSULTANT:

LANDSCAPE ARCHITECT
SITES SOUTHWEST, LLC
4110 RIO BRAVO, SUITE 217
EL PASO TX, 79902



SITES
SOUTHWEST

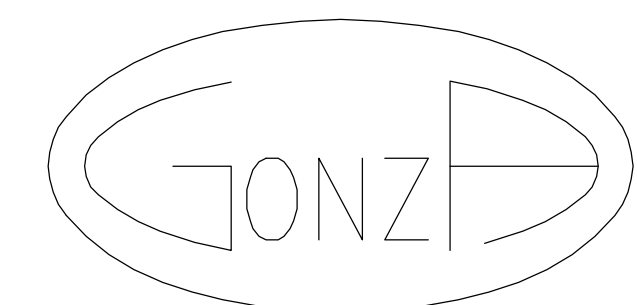
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

SUB-CONSULTANTS:

CIVIL ENGINEER
SLI ENGINEERING, INC
6600 WESTWIND
EL PASO TX, 79912



ELECTRIC ENGINEER
GONZALO AGUILAR PE
481-B N RESLER
EL PASO TX, 79912



FINAL DESIGN SUBMITTAL - 100% - FINAL FOR CONSTRUCTION

GENERAL NOTES

- THESE PLANS SHOW LANDSCAPE ARCHITECTURE SITE DEVELOPMENT CONSTRUCTION DOCUMENTS. THESE ARE NOT TO BE USED FOR STAKING OR SURVEYING LOT BOUNDARIES.
- CONTRACTOR SHALL BE FAMILIAR WITH PLANS, DETAILS AND SPECIFICATIONS AS THEY PERTAIN TO THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE HOUSING AUTHORITY OF THE CITY OF EL PASO (HACEP) DESIGNATED REPRESENTATIVE AND LANDSCAPE ARCHITECT IF ANY ITEMS CONTAINED WITHIN THE SCOPE OF WORK DEFINED HEREIN ARE IN CONFLICT WITH THE PROPOSED WORK OF OTHER CONTRACTORS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE LANDSCAPE ARCHITECT AND HACEP IF ANY ITEMS CONTAINED WITHIN THE SCOPE OF WORK DEFINED HEREIN ARE IN CONFLICT WITH THE PROPOSED WORK OF OTHER CONTRACTORS OR WITH CITY OF EL PASO PARKS AND RECREATION DEPARTMENT AND CURRENT PARK DESIGN GUIDELINES AND STANDARDS.
- CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS TO PERFORM THE REQUIRED WORK.
- CHECK AND FIELD VERIFY ALL SITE CONDITIONS, UTILITIES AND SERVICES PRIOR TO EXCAVATION. EXISTING UTILITIES SHOWN ON PLANS ARE BASED ON SURVEY. TO PREVENT DAMAGE, CALL 1-800-DIG-TESS OR CALL SPECIFIC NUMBERS BELOW:

DIGGING NEAR PIPELINES	811
EL PASO ELECTRIC COMPANY	(915) 543-5120
SEC	1-800-DIG-TESS
TEXAS GAS SERVICE	544-6300
EMERGENCY HOTLINE	562-8411/562-2003
PSB (WATER & SEWER)	1-800-DIG-TESS
SPECTRUM (CABLE)	1-800-842-4351
EL PASO NATURAL GAS CO.	1-800-334-8047
TEXAS EXCAVATION SAFETY SYSTEM	1-800-344-8371
- ALL TREES ALONG PEDESTRIAN WALKWAYS ALONG H/C ACCESSIBLE ROUTES, TO BE PRUNED UP TO CREATE MINIMUM 80" HIGH CANOPIES.
- IF PROBLEMS ARE DISCOVERED, CONTACT LANDSCAPE ARCHITECT AND HACEP TO DETERMINE A COURSE OF ACTION.
- CONTRACTOR SHALL PROTECT NEWLY GRADED AREAS FROM TRAFFIC AND EROSION. KEEP AREAS FREE OF TRASH AND DEBRIS. REPAIR AND RE-ESTABLISH GRADES IN SETTLED, ERODED AND RUTTED AREAS AT THE BEGINNING OF EACH PLANTING OR SEEDING SEQUENCE OR AS DIRECTED BY HACEP REPRESENTATIVE.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL POTENTIAL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT AND HACEP REPRESENTATIVE.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES, INCLUDING BUT NOT LIMITED TO STREET SIGNS, LIGHT POLES AND UNDERGROUND LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
- CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR EXTENT OF PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES OR NATIVE AREAS RESULTING FROM THE CONSTRUCTION PROCESS WILL NOT BE ACCEPTED AND SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
- CONTRACTOR SHALL PROTECT NATIVE AREAS AND TREE ROOT SYSTEMS FROM DAMAGE DUE TO NOXIOUS MATERIALS CAUSED BY RUNOFF OR SPILLAGE WHILE MIXING, PLACING, OR STORING CONSTRUCTION MATERIALS. PROTECT ROOT SYSTEMS FROM FLOODING, ERODING, OR EXCESSIVE WETTING CAUSED BY WATERING OPERATIONS.
- TREES TO BE PROTECTED SHALL BE STAKED OUT AND EVALUATED WITH LANDSCAPE ARCHITECT AND HACEP REPRESENTATIVE PRIOR TO INSTALLATION OF PROTECTIVE FENCING AND CLEARING AND GRUBBING OR ANY REMOVAL OF EXISTING PLANT MATERIAL.
- RUNNING SLOPE IN ALL NEWLY CONCRETED AREAS SHALL BE A MAXIMUM RUNNING SLOPE OF 1:20 AND A MAXIMUM 2% CROSS SLOPE, EXCEPT WHEN ADJACENT TO A STREET. ALL PLAZAS AND LANDINGS SHALL HAVE A MAX 2% SLOPE IN ALL DIRECTIONS. ALL AREAS SHALL DRAIN INTO PARK OR CREATED SWALES WHENEVER POSSIBLE OR UNLESS OTHERWISE INDICATED.
- NEW SIDEWALK IN RIGHT OF WAY (R.O.W) SHALL MEET HACEP AND CITY OF EL PASO STANDARDS IN EVERY WAY AND FOLLOW RUNNING SLOPE OF EXISTING STREET AND MATCH ANY EXISTING SIDEWALK.
- ALL BERMS AND SWALES TO BE CONTOURED TO CREATE SMOOTH, GRADUAL TRANSITION BETWEEN PROPOSED LEVELS.
- ALL PROPOSED LEVELS AND GRADING TO BE APPROVED ON SITE BY LANDSCAPE ARCHITECT PRIOR TO ANY CONSTRUCTION AND PLANTING.
- LOCATION OF ALL TREES AND BOULDERS TO BE STAKED FOR APPROVAL ON SITE BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION AND PLANTING.
- ALL PROPOSED TREES TO BE A MINIMUM OF 5 FT FROM THE EDGE OF ALL PAVED PATHS AND SIDEWALKS, EXCEPT IN R.O.W.
- IF SPILLS, ENVIRONMENTAL CONTAMINATION, OR SUBSURFACE CONTAMINATION IS ENCOUNTERED, STOP WORK AND NOTIFY CITY ENVIRONMENTAL SERVICES AT 621-6700.
- CONTRACTOR SHALL INSURE ACCESSIBILITY FOR CARS AND PEDESTRIANS AT ALL TIMES AND ALLOW ONE LANE OF TRAFFIC IN EACH DIRECTION OPEN ALONG ATLAS DRIVE.
- CONTRACTOR SHALL NOT LEAVE UNPROTECTED OPEN TRENCHES IN PUBLIC AREAS. IN ALL CASES, TRENCHES SHALL BE COVERED AS SOON AS POSSIBLE. NO OVER-EXCAVATION OF TRENCHES WILL BE ALLOWED.
- CONTRACTOR SHALL PROVIDE STRUCTURAL ENGINEER'S DESIGN DRAWINGS AND STAMP, TO BE APPROVED PRIOR TO ON-SET OF CONSTRUCTION FOR FUTSAL COURT POST-TENSIONED CONCRETE
- GEOTECHNICAL REPORT WILL BE PROVIDED BY CONTRACTOR.

PLANTING NOTES

- ALL NEW PLANT MATERIAL SHALL BE INSTALLED AS PER DETAILS.
- PLANT MATERIAL SUBSTITUTIONS SHALL NOT BE MADE WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT. THE SUBSTITUTION OF MATERIALS DIFFERING IN KIND, QUALITY OR SIZE FROM THAT SPECIFIED WILL BE ALLOWED ONLY AFTER THE LANDSCAPE ARCHITECT IS CONVINCED THAT ALL MEANS OF OBTAINING THE SPECIFIED MATERIALS HAVE BEEN EXHAUSTED. CONTRACTOR SHALL PROVIDE WRITTEN ASSURANCE THAT ALL MATERIALS NECESSARY TO COMPLETE THE PROJECT AS SPECIFIED HAVE BEEN LOCATED AND ALL REQUESTS FOR SUBSTITUTIONS MUST BE SUBMITTED NO LATER THAN 2 WEEKS PRIOR TO THE INITIATION OF WORK.
- PLANT MATERIAL QUALITY, SIZE AND CONDITION SHALL BE IN ACCORDANCE WITH AMERICAN STANDARD FOR NURSERY STOCK CURRENT EDITION, AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY. ALL PLANTS SHALL HAVE NORMAL, WELL DEVELOPED BRANCHES AND VIGOROUS ROOT SYSTEMS. THEY SHALL BE SOUND, HEALTHY, VIGOROUS, FREE FROM DEFECTS, DISFIGURING KNOTS, ABRASIONS OF THE BARK, SUNSCALD INJURIES, PLANT DISEASES, INSECT EGGS, BORES AND ALL OTHER FORMS OF INFECTIONS.
- UNLESS OTHERWISE STATED ON THE DRAWINGS OR APPROVED BY THE LANDSCAPE ARCHITECT AND HACEP REPRESENTATIVE, ALL PLANTS SHALL BE NURSERY GROWN AND SHALL BE TAGGED WITH NURSERY LABELS INDICATING SPECIES AND VARIETY.
- BALLED AND BURLAPPED PLANT MATERIAL SHALL HAVE A SOLID BALL OF EARTH OF MINIMUM SPECIFIED SIZE AND HELD IN PLACE SECURELY BY BURLAP AND A STOUT TWINE OR ROPE. BROKEN OR LOOSE BALLS WILL BE REJECTED, ALL BURLAP TWINE, CHIKEN WIRE, WOOD BOXES, ETC SHALL BE REMOVED DURING PLANTING WITHOUT COMPROMISING THE INTEGRITY OF THE ROOTBALL.
- THE LANDSCAPE ARCHITECT MAY INSPECT ALL PLANT MATERIAL AT THE CONTRACTOR'S YARD OR NURSERY PRIOR TO DELIVERY, DURING PLANTING AND AFTER PLANTING AT THE JOB SITE. AT THE OPTION OF THE OWNER.
 - THE LANDSCAPE ARCHITECT SHALL BE THE JUDGE OF THE QUALITY AND ACCEPTABILITY OF ALL PLANT MATERIALS. ALL REJECTED MATERIAL SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND REPLACED WITH ACCEPTABLE MATERIAL AT NO ADDITIONAL COST TO OWNER.
 - CONTAINER GROWN PLANT MATERIAL SHALL HAVE BEEN ESTABLISHED IN ITS DELIVERY CONTAINER FOR NOT LESS THAN SIX MONTHS, BUT FOR NOT MORE THAN TWO YEARS. ANY ROOTBOUND MATERIAL WILL NOT BE ACCEPTED.
 - UNLESS SPECIFICALLY NOTED ON THE DRAWINGS, ALL TREES SHALL HAVE A SINGLE TRUNK THAT IS STRAIGHT AND FREE OF "DOG-LEGS", "CROOKS", "Y-CROTCHES", OR OTHER DISFIGURING SHAPES. THE CENTRAL LEADER OF ALL TREES SHALL NOT HAVE BEEN PRUNED. TREES WITH DOUBLE LEADERS ARE NOT ACCEPTABLE, UNLESS SPECIFIED AS MULTI-TRUNKED.
 - ALL PLANT MATERIAL SHALL HAVE A UNIFORM SHAPE AROUND ITS COMPLETE CIRCUMFERENCE. PLANT MATERIAL WITH IRREGULAR BRANCHING PATTERNS OR WITH BRANCHING PATTERNS MORE HIGHLY DEVELOPED ON ONE SIDE THAN ON OTHER SIDES SHALL NOT BE ACCEPTABLE.
 - TREE LOCATIONS AS SHOWN ARE SCHEMATIC AND MAY VARY BASED ON SIGNAGE & UNDERGROUND UTILITY LOCATIONS, AND OTHER SITE CONSTRAINTS. TREE LOCATIONS SHALL COMPLY WITH ALL JURISDICTIONAL ORDINANCES WHICH APPLY. PLANS ARE DIAGRAMMATIC AND APPROXIMATE DUE TO THE SCALE OF THE DRAWINGS, AND NOT ALL INDIVIDUAL SHRUBS AND/OR GROUND COVERS ARE NECESSARILY SHOWN.
 - TREES SHALL ONLY BE GUYED (BASED ON THE PLANTING SEASON) IF APPROVED BY AND AT THE DIRECTION OF THE LANDSCAPE ARCHITECT AS PER THE APPROPRIATE TREE PLANTING DETAIL AND SHALL BE GUYED AT NO ADDITIONAL COST, REQUESTED GUYING IS INCIDENTAL TO THE COST OF PLANTING THE TREE.
 - PLANTING SOIL BACKFILL SHALL CONSIST OF CLEAN SOILS AND SHALL BE FREE FROM RUBBISH, ROCK, LARGE STONES BRUSH, SOD, FROZEN MATERIAL OR OTHER UNSUITABLE SUBSTANCE THAT IS DETRIMENTAL TO PLANT GROWTH.
 - NO PLANTING AREA WILL BE LEFT UNCOVERED OR NOT TOP-DRESSED. ALL PLANTING AREAS WILL BE MULCHED AS PER LANDSCAPE PLANS, OR A MINIMUM OF 5 FT RADIAL DISTANCE FROM THE BASE OF THE PLANT.

PLANT MAINTENANCE AND WARRANTY

- MAINTENANCE SHALL BEGIN UPON INSTALLATION AND CONTINUE THROUGH SUBSTANTIAL COMPLETION AND WILL TERMINATE AFTER FINAL ACCEPTANCE.
- MAINTENANCE OF NEW TREES, SHRUBS, SOD, AND GROUND COVER SHALL INCLUDE WATERING, WEEDING, CULTIVATING, REMOVAL OF DEAD MATERIAL AND DEBRIS, RESETTING OF TREES TO UPRIGHT POSITIONS, RESTORATION OF EARTH BASINS, AND SUCH OTHER OPERATIONS AS MAY BE NECESSARY FOR THE HEALTH OF THE PLANTED STOCK AND THE GENERAL APPEARANCE OF THE LANDSCAPED AREAS. PROTECTION SHALL INCLUDE CARE OF THE PLANTED STOCK FROM DAMAGES RESULTING FROM TRESPASS, EROSION (INCLUDING WATERING), WEATHER, VANDALISM, DISEASE AND THE LIKE.
- MAINTENANCE OF IRRIGATION SHALL INCLUDE MAINTENANCE AND REPLACEMENT OF PIPE, HEADS, ROTORS, EMITTERS DUE TO MALFUNCTION, DAMAGE, OR VANDALISM.
- MAINTENANCE OF GROUND MATERIALS SHALL INCLUDE RAKING, LEVELING, SWEEPING FROM SIDEWALKS AND COVERING BALD SPOTS..
- ALL TREES, SHRUBS, GROUND COVERS, AND IRRIGATION SHALL BE GUARANTEED FOR THE PERIOD OF ONE YEAR, BEGINNING ON THE DATE OF FINAL CONTRACT ACCEPTANCE.

HERBICIDE NOTES

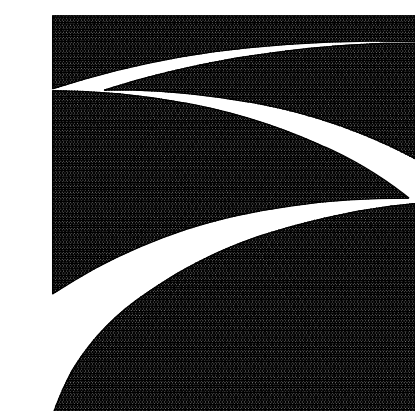
- HERBICIDE MUST BE APPLIED TO PROJECT SITE AT ON-SET OF CONSTRUCTION AND PRIOR TO DEMOLITION OR PRIOR TO REMOVAL OF EXISTING GRASS OR PRIOR TO PLANTING OF NEW PLANTS WHILE WEEDS OR PLANT MATERIAL TO BE REMOVED IS ACTIVELY GROWING.
- IF APPLICATION OF A POST-EMERGENT IS SPECIFIED, EXISTING DESIRABLE PLANTS OR NEW PLANTS AND PROPER PROTECTION OF EXISTING PLANTS AND TREE ROOT SYSTEMS MUST BE TAKEN AS DIRECTED BY PRODUCT LITERATURE. HERBICIDE MUST BE APPLIED TO PROJECT SITE AT ON-SET OF CONSTRUCTION. CONTRACTOR TO PROVIDE MSDS INFORMATION FOR PRODUCT(S) IN SUBMITTAL PACKAGE.
- CONTRACTOR SHALL HAVE A TDA LICENSED APPLICATOR APPLY HERBICIDE.

HERBICIDE NOTES (CONTINUED)

- PRE EMERGENT APPLICATION OF SURFLAN OR APPROVED EQUAL. APPLY PRE-EMERGENT TO AREAS OF SITE RECEIVING ROCK, SCREENINGS OR STABILIZED SCREENINGS, AFTER FINAL GRADING, BUT PRIOR TO INSTALLATION OF WEED FABRIC. CONTRACTOR SHALL FOLLOW MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION AND PRE-EMERGENT MUST INCLUDE PREVENTION OF ALL INVASIVE WEEDS AND GRASSES, INCLUDING BERMUDA GRASS. A COMBINATION OF PRE-EMERGENT PRODUCTS MAY BE USED IN ORDER TO ACHIEVE DESIRED RESULTS - PREVENTION OF FUTURE WEEDS AND GRASSES.

IRRIGATION NOTES

- CONTRACTOR SHALL FIELD VERIFY PRESSURE PRIOR TO INITIATION OF CONSTRUCTION BY INSTALLING A FLOW METER AND A PRESSURE GAUGE ON THE DOWNSTREAM SIDE OF THE WATER METER. THIS INFORMATION SHALL BE PROVIDED TO THE LANDSCAPE ARCHITECT AND HACEP REPRESENTATIVE IN WRITING FOR APPROVAL, PRIOR TO PROCEEDING.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF ALL SITE ELEMENTS & NATIVE AREAS TO REMAIN. CONTRACTOR SHALL REPLACE IN KIND, ALL ITEMS DAMAGED DURING THE COURSE OF WORK, AS DETERMINED BY THE LANDSCAPE ARCHITECT AND HACEP REPRESENTATIVE.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, STRUCTURES AND SERVICES BEFORE COMMENCING WORK. THE LOCATIONS OF UTILITIES, STRUCTURES AND SERVICES SHOWN IN THESE PLANS ARE APPROXIMATE ONLY. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED IN WRITING TO THE LANDSCAPE ARCHITECT AND HACEP REPRESENTATIVE.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM THE WORK INDICATED HEREIN BEFORE BEGINNING WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH EL PASO WATER UTILITIES FOR INSTALLATION OR REPLACEMENT OF WATER METER(S) AND SHALL INCUR ALL COSTS ASSOCIATED WITH INSTALLATION. WATER METER SHALL BE IN CONTRACTOR'S NAME AT INSTALLATION AND COST OF WATER CONSUMPTION DURING THE PROJECT'S DURATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE. AFTER ACCEPTANCE, CONTRACTOR SHALL COORDINATE WITH HACEP REPRESENTATIVE TO TRANSFER WATER METER RESPONSIBILITY TO HACEP.
- THIS DESIGN (LINES & COMPONENTS) IS DIAGRAMMATIC. ALL EQUIPMENT SHOWN IN PAVED AREA IS FOR DESIGN CLARITY ONLY AND CONSTRUCTED ELEMENTS AND OBSTRUCTIONS WHETHER NOTED ON THE PLANS OR NOT SHALL BE AVOIDED TO MINIMIZE SLEEVEING. ACTUAL ALIGNMENTS TO BE LOCATED AS PER NOTES OR AS PER APPROVED IN FIELD BY LANDSCAPE ARCHITECT AND HACEP REPRESENTATIVE. ALL IRRIGATION EQUIPMENT IS TO BE INSTALLED WITHIN PLANTING AREAS.
- DO NOT TRENCH WITHIN 15' OF EXISTING TREE DRIP LINE. ALTERNATIVE LOCATIONS TO BE APPROVED IN FIELD BY LANDSCAPE ARCHITECT.
- IN THE EVENT OF A CONFLICT BETWEEN SPECIFICATIONS AND IRRIGATION DESIGN, CONTRACTOR SHALL NOTIFY THE LICENSED IRRIGATION DESIGNER IN WRITING. THE CONTRACTOR SHALL NOT PROCEED WITH INSTALLATION OF CONFLICTING IRRIGATION COMPONENTS UNTIL CLARIFICATION IS RECEIVED IN WRITING FROM THE CONSULTANT.
- MAIN LINE SHALL INCORPORATE 45 DEGREE FITTINGS & SHALL BE HYDROSTATICALLY TESTED FOR 24 HOURS PRIOR TO COVERING CONNECTIONS.
- ALL PIPE CUTS SHALL BE MITERED TO 90 DEGREES & ALL BURRS SHALL BE REMOVED PRIOR TO GLUING. PIPE THREE INCHES OR LARGER MUST HAVE FILED BEVELED EDGE A MINIMUM OF ONE FOURTH (1/4) THE WIDTH OF PIPE WALL TO ASSURE A PROPER SOLVENT WELD.
- PIPE SOLVENT WELDING PROCEDURES ON ALL JOINTS SHALL BE SPECIFIED AS FOLLOWS: FIRST USE IPS WELD-ON CLEANER, NEXT USE IPS WELD-ON PURPLE PRIMER P68 OR P70, THEN USE IPS WELD-ON GRAY GLUE #711 HEAVY DUTY. LASTLY, WIPE OFF ALL EXCESS CEMENT AND LET SET AS PER MANUFACTURER'S RECOMMENDATIONS. ONCE WELD IS SET, PIPE SHALL NOT BE MOVED FOR ANY REASON UNTIL SET TIMES HAVE BEEN ACHIEVED, WATER SHALL NOT BE TURNED ON UNTIL ALL CURE TIMES HAVE BEEN ACHIEVED.
- SLEEVES SHALL BE EXTENDED 24" BEYOND EDGE OF HARD SURFACES, WHERE POSSIBLE, WRAP ENDS WITH FOUR MIL PLASTIC AND TAPE WITH GOOD QUALITY PLASTIC TAPE, GRAY DUCT TAPE IS NOT ACCEPTABLE.
- IRRIGATION HEADS SHALL BE INSTALLED FOUR INCHES (4") AWAY FROM ADJACENT PERIMETER PAVING OR HARD SURFACES.
- FIELD WIRING SHALL BE IN A TRENCH MIN. 5' FROM PRESSURE MAIN LINE ON NORTH AND WEST SIDE OF MAIN & EXPANSION LOOPS SHALL BE PROVIDED EVERY 200 FEET, WIRE SHALL NOT BE STRETCHED TIGHT. VALVE WIRE SHALL BE STANDARD COLORS RED (HOT) AND WHITE (COMMON) & LABELED AT CONTROLLER AND IN VALVE BOX. CONNECTIONS AT VALVES MUST BE MADE WITH DRI-SPLICE CONNECTORS. CONNECTORS MUST BE READY FILLED FROM FACTORY WITH SILICONE.
- CONTRACTOR SHALL MAKE ALL CONTROLLERS FUNCTIONAL AND SET TIME ON CONTROLLERS PER LANDSCAPE ARCHITECT'S RECOMMENDATION. CONTRACTOR TO PROVIDE 8 1/2 X 11 LAMINATED COPY OF IRRIGATION PLAN INSIDE COVER OF CONTROLLER & CLEARLY LABEL CONTROLLER BOX WITH VALVE DESIGNATIONS AND PROVIDE KEY TO OWNERS REPRESENTATIVE AND DISPLAY TO LANDSCAPE ARCHITECT PRIOR TO FINAL ACCEPTANCE.
- IRRIGATION IN TEXAS IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, PO BOX 13081 AUSTIN, TX 78711.
- ALL EXISTING VALVE WIRES SHALL BE INCIDENTAL IRRIGATION COST TO THE CONTRACTOR.
- CONTRACTOR'S AS BUILT MARK-UPS MUST SHOW LOCATION OF ALL IRRIGATION VALVE WIRING LATERALS, VALVES, MAIN LINES, CONTROLLERS, AND ADDITIONAL IRRIGATION EQUIPMENT. AS-BUILT MARK-UPS SHALL BE AVAILABLE FOR REVIEW WEEKLY ON-SITE & PROVIDED TO LANDSCAPE ARCHITECT UPON FINAL ACCEPTANCE.



SITES
SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800

E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



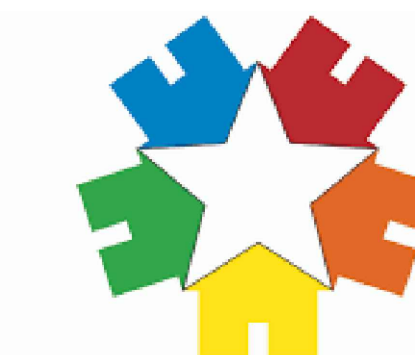
Deborah B. Baird
05.28.19

PROJECT

CDBG HART & BAIRD IMPROVEMENTS

ADDRESS

4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
CAD DWG FILE: 2019048 - NOTES.DWG
DRAWN BY: STAFF
CHK'D BY: D.B.H.
ISSUE DATE: 05/28/2019
COPYRIGHT: SITES SOUTHWEST, LLC

SHEET TITLE

NOTES
HART & BAIRD

G-002

This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.

P:\2019048_Hort & Baird Apts HACEP\4- Drawings\CAD Drawings\100%\2019048 - NOTES.dwg 5--30--19 03:24:05 PM vlopez

1 PLAYGROUND COMPONENT NOTES

MATERIAL: ALL MATERIALS SHALL HAVE A DEMONSTRATED RECORD OF DURABILITY IN THE PLAYGROUND OR SIMILAR OUTDOOR SETTING. ALL METALS SHALL BE PAINTED, GALVANIZED, OR OTHERWISE TREATED TO INHIBIT RUST. BLACK STEEL IS NOT ACCEPTABLE. ALL REQUIRED HARDWARE FOR ASSEMBLY OF THE STRUCTURE SHALL BE INCLUDED. ALL FASTENERS SHALL BE 18-8 GRADE STAINLESS STEEL. (300 SERIES) CAPPED LOCK NUTS WHICH COVER BOLTS ENDS SHALL BE INCLUDED. TAMPER-RESISTANT HARDWARE IS UTILIZED ON PRINCIPLE CLAMPING MECHANISMS. SPECIAL TOOLS SHALL BE PROVIDED FOR ASSEMBLY AND MAINTENANCE. CLAMP CONNECTION DISASSEMBLY AND SLIPPAGE IS ELIMINATED BY USING DRIVE RIVETS. PHYSICAL LOCKING DEVICES ARE USED ON ALL EXPOSED AND ACCESSIBLE CONNECTION POINTS, SUCH AS LOCK NUTS. A NYLON THREAD-LOCKING PATCH IS APPLIED TO CERTAIN HARDWARE. LIQUID THREAD-LOCK IS ALSO USED TO HINDER FASTENER REMOVAL.

CLAMPS CLAMPS SHALL BE DIE CAST OF HIGH STRENGTH 380 ALUMINUM ALLOY. TENZALLOY (40-E, 315.0) IS NOT ACCEPTABLE AS A LOAD BEARING CLAMP MATERIAL. ULTIMATE TENSILE STRENGTH SHALL BE 41 KSI. DIE CASTING OPERATION SHALL BE QUALITY SAMPLED EVERY HOUR. CLAMPS SHALL BE PROVIDED AS HINGED ASSEMBLIES TO FACILITATE STRUCTURE ASSEMBLY. UNIQUE S-LAP DESIGN ELIMINATES ALL STRING ENTANGLEMENT POINTS AT CONNECTION. SINGLE BOLT FASTENING SYSTEM WITH BUILT-IN THREADS TO ELIMINATE T NUTS AND SIMPLIFY INSTALLATION. CLAMPS ARE TO BE PERMANENTLY FASTENED TO THE SUPPORT POST WITH A DRIVE RIVET TO ELIMINATE DISASSEMBLY AND SLIPPAGE. DOUBLE BANDED DESIGN PROVIDES THE HIGHEST CLAMPING PRESSURE AROUND THE ENTIRE CLAMP. FINISHED WITH A SHOT BLAST AND A BAKED ON POLYESTER POWDER COATING. ASTM SPECIFICATIONS: B-85. (SEE POWDER COAT FINISH)

ROTATIONALLY MOLDED PLASTIC PARTS SHALL BE ROTATIONALLY MOLDED FROM COLOR-COMPOUNDED, FIRST QUALITY, LINEAR LOW DENSITY, POLYETHYLENE. DRY-BLENDED OR MOLDED-IN RESINS ARE NOT ACCEPTABLE. COLOR-COMPOUNDED POLYETHYLENE ARE 23 TIMES STRONGER THAN DRY BLENDED RESINS PROVIDING BETTER BONDED STRENGTH WITH GREATER SURFACE CONTACT. COMPOUNDED COLOR PROVIDES SUPERIOR COLORFASTNESS, UV RESISTANCE, AND IMPACT RESISTANCE WITH SOLID COLOR MOLECULES. POLYETHYLENE SHALL BE ULTRAVIOLET (UV) STABILIZED TO UV-B AND HAVE ANTI-STATIC ADDITIVES. CROSS-SECTIONAL DESIGN SHALL BE .25 IN. (6 MM) NOMINAL THICKNESS, DOUBLE WALL CONSTRUCTION. ASTM SPECIFICATIONS: D-1238 (MELT INDEX), D-1505 (MATERIAL DENSITY), D-638 (TENSILE STRENGTH), D-648 (HEAT DISTORTION TEMPERATURE) D-740 (FLEXURAL MODULUS), D-1643 (ENVIRONMENTAL STRESS CRACK RESISTANCE), D-2565 (ULTRAVIOLET), MEETS UL94HB HORIZONTAL BURN TEST. SHALL MEET ARM TEST FOR IMPACT STRENGTH (@ MINUS 40°C) (25 IN. THICKNESS). SHALL MEET COLOR CHANGE CRITERIA (QUV 500 HOURS PER SAE I460-84). TUBING STEEL TUBING SHALL BE COLD ROLLED. ELECTRIC RESISTANCE WELDED TUBING. TUBING SHALL BE TRIPLE COATED FOR MAXIMUM EXTERIOR PROTECTION: A HOT-DIPPED FLO-COAT@UNIFORM ZINC GALVANIZED COATING, A CHROMATE CONVERSION COATING AND A CLEAR POLYMER COATING. GALVANIZED EXTERIOR COATING WEIGHT SHALL BE WITHIN THE RANGE OF .4 OZ./SQ. FT. AND .6 OZ./SQ. FT. TUBING SHALL HAVE A CORROSION RESISTANT, ZINC-RICH PAINT INTERIOR COATING. ASTM SPECIFICATIONS: A-315, A-500, A-513, E-8. ALUMINUM TUBING (SUPPORT POST AND SLEEVE) SHALL BE EXTRUDED 6061-T6 EXTRUDED SEAMLESS ALUMINUM ALLOY TUBING. ASTM SPECIFICATIONS: A-315, A-500, A-513, B-221, QQ-A-200/B, E-8. ALUMINUM TUBING (ARCH) SHALL BE AN ALL WELDED ASSEMBLY FABRICATED OF 6063-T4 EXTRUDED SEAMLESS ALUMINUM ALLOY TUBING.

SUPERDURABLE POLYESTER POWDER COAT FINISH POWDER COATING IS ELECTROSTATICALLY APPLIED AT A THICKNESS OF 2 TO 5 MILS (.002 - .005). POWDER COATING PRODUCES A HIGHLY DECORATIVE FINISH HAVING A HARD, SMOOTH SURFACE, WHICH IS RESISTANT TO ABRASION, CORROSION, AND MECHANICAL DAMAGE. ALL GALVANIZED TUBING HAS A FACTORY-APPLIED CLEAR ACRYLIC POLYMER COATING. ALL COMPONENTS SHALL BE FREE OF EXCESS WELD AND WELD SPILLS. AFTER FABRICATION ALL WELD JOINTS ARE TO THOROUGHLY CLEANED USING A CHIPPING HAMMER AND WIRE BRUSH TO REMOVE ALL WELD SLAG FROM WELD JOINT. PRIOR TO FINISHING, COMPONENTS SHALL BE CLEANED WITH A THREE-STAGE ALKALINE BATH AND A ECLPS 2400 SEALER FOR ADHESION AND RUST INHIBITOR DURING THE PREPARATION PROCESS. COMPONENTS ARE THOROUGHLY DRIED BEFORE BEING COATED WITH SUPERDURABLE T6IC POLYESTER POWDER AND ARE CURED AT TEMPERATURES BETWEEN 375° AND 400° F. EPOXY OR HYBRID PAINTS ARE NOT ACCEPTABLE. FINISH QUALITY CONFORMS TO ASTM SPECIFICATIONS: B-IIT 4 D1654 4,000 HOURS AND RATINGS 6 OR GREATER (SALT SPRAY RESISTANCE TEST), D-2194 RATINGS MINIMUM 80 INCH-POUNDS (IMPACT RESISTANCE TEST), D-1134 (MANDREL FLEXIBILITY TEST), D-2241 (HUMIDITY RESISTANCE TEST), D-822 (WEATHERABILITY TEST), D-3363 (FENCIL HARDNESS TEST), D-3354-B, METHOD B, RATINGS 5B "CHECKERED" ADHESION TEST DAILY (GROSSHATCH ADHESION TEST), AND D-2454 (OVERBAKE RESISTANCE TEST) D-522 PASS 1/8" MANDREL (CONICAL MANDREL), D-523 (GLOSS - 60°), D3363 RATINGS 2H (HARDNESS), G154, 340 BULB 3000 HOURS, RATING DELTA E OF 2, AND 90 PERCENT GLOSS RETENTION (UV EXPOSURE). STANDARD DURABILITY OF POLYESTER POWDER COATINGS TYPICALLY RETAIN 80% OF THEIR ORIGINAL GLOSS AFTER 1 YEAR, AND 50% OF THEIR ORIGINAL GLOSS AFTER 18 MONTHS OF OUTDOOR EXPOSURE. SUPERDURABLE POLYESTER POWDER COATINGS TYPICALLY RETAIN 90% OF THEIR ORIGINAL GLOSS AFTER 1 YEAR, AND 50% OF THEIR ORIGINAL GLOSS AFTER FIVE YEARS OF OUTDOOR EXPOSURE. EXCEPT SUPERDURABLE COLORS TO RETAIN 80% OF THEIR GLOSS AFTER 2 YEARS OF OUTDOOR EXPOSURE. THESE COATINGS ARE ALSO SHADED WITH HIGH GRADE, LIGHT STABLE PIGMENTS AND WILL SHIFT LESS THAN 2DE IN COLOR AFTER 2 YEARS.ECO-ARMOR

COATED FINISH A COATED APPLICATION SHALL BE FROM 45 TO 55 MILS ON THE WEAR SURFACES OF ALL COATED PARTS AND 30 MILS ON OTHER SURFACES. PRIOR TO COATING, COMPONENTS SHALL BE THOROUGHLY CLEANED IN A HOT PRESSURE WASHER THEN HEATED TO 450 DEGREES. THE HOT PART IS THEN DIPPED INTO A POLYETHYLENE COPOLYMER-BASED THERMOPLASTIC POWDER UNTIL THE COATING REACHES IT TARGET THICKNESS. IT THEN GOES THROUGH A FLOW OVEN TO EVEN THE COATING THICKNESS AND IMPROVE THE FINISH. SINCE NO CURING IS NECESSARY, THE COATING'S PROPERTIES AND PERFORMANCE ARE VERY CONSISTENT AND UNIFORM. ENVIRONMENTALLY SENSITIVE - PVC AND PHTHALATE FREE - COATINGS IS MADE OF AN ULTRAVIOLET STABILIZED POLYETHYLENE MATERIAL. COATING MEETS CALIFORNIA, STATE OF WASHINGTON AND OTHER STATE AND FEDERAL REQUIREMENTS FOR PHTHALATES AND HEAVY METAL CONTENT. NO DIOXINS PRODUCED IF BURNED. DISCARDED PRODUCT AND WASTE PRODUCTION MATERIAL CAN BE RECYCLED INTO OTHER PRODUCTS (RECYCLING SYMBOL 2). CONTAINS NO VOLATILE ORGANIC COMPOUNDS (VOC'S). TABER ABRASION TESTS (ASTM D4060) SHOW THAT THE PE COATING ABRASION RESISTANCE IS OVER 17 TIMES THE ABRASION RESISTANCE OF PVC. WARRANTY IS THE SAME AS PVC COATED PRODUCTS. DURABLE - EXTREME COLD (TO -20 DEGREES F) CYCLE TESTING INDICATES NO CRACKING OR LOSS OF ADHESION TO THE METAL SUBSTRATE. LESS POROUS THAN PVC WHICH MAKES THE SURFACE LESS CONDUCTIVE TO GROWTH OF MOLD AND COLLECTION OF GROUND-IN DIRT. EASIER TO CLEAN. SLIP RESISTANT - TEXTURED FINISH FOR ENHANCED TRACTION. Q14 COEFFICIENT OF FRICTION PER ASTM1674. ADA CONSIDERS A 0.5 COEFFICIENT OF FRICTION OR HIGHER TO BE SLIP RESISTANT. COATING DAMAGE CAN BE REPAIRED EASILY WITH THE AVAILABLE REPAIR KIT. NO CHEMICALS OR SPECIAL CURING REQUIRED. TECHNICAL SPECIFICATIONS: A SKID RESISTANT, TEXTURED, FUNCTIONALIZED POLYETHYLENE COPOLYMER-BASED THERMOPLASTIC POWDER COATING DESIGNED FOR MAXIMUM MECHANICAL PERFORMANCE, IMPACT RESISTANCE AND UV STABILITY WITH THE FOLLOWING PERFORMANCE PROPERTIES: PROPERTY - TESTING METHOD - RESULTS FLEXIBILITY (CONICAL MANDREL) - ASTM D 522 - 1/8", NO CRACKS (GREATER THAN 32%) ADHESION - ASTM D 4541 - 800 PSI IMPACT RESISTANCE - ASTM D 2194 - GREATER THAN 320 IN-LBS GLOSS - ASTM D 523 - 12 TABER ABRASION - ASTM D 4060 - 26 (MG LOSS, CS IT WHEEL) TENSILE STRENGTH - ASTM D 638 - 3482 PSI % ELONGATION - ASTM D 638 - 13% HUMIDITY RESISTANCE - ASTM D 2241 - NO BLISTERING OR LOSS OF GLOSS AFTER 1000 HOURS SALT SPRAY - ASTM B IIT - 2000 HRS, NO SIGNIFICANT CHANGE IN COLOR OR GLOSS QUV - ASTM G 53 - 2000 HRS, NO SIGNIFICANT CHANGE IN COLOR OR GLOSS.INSTALLATION INSTRUCTIONS

EPOXY/POLYESTER PRIMER EPOXY/POLYESTER PRIMER COATING PRODUCES A FINISH HAVING A "TOOTH" WHICH READILY ACCEPTS THE PROCEEDING COATING OF SUPERDURABLE POLYESTER POWDER. EPOXY/POLYESTER PRIMER IS A POWDER COATING WHICH IS ELECTROSTATICALLY APPLIED AT A THICKNESS OF 2 TO 5 MILS (.002 - .005).THIS PRIMER COATING ADDS AN ADDITIONAL AL LEVEL OF PROTECTION WHICH IS RESISTANT TO ABRASION, CORROSION, AND MECHANICAL DAMAGE. ALL COMPONENTS SHALL BE FREE OF EXCESS WELD AND WELD SPALLS. ALL EDGES TO BE EASED BY TUMBLING OR OTHER MANNER TO ELIMINATE A SHARP EDGE. AFTER FABRICATION ALL WELD JOINTS ARE TO BE THOROUGHLY CLEANED USING A CHIPPING HAMMER AND WIRE BRUSH TO REMOVE ALL WELD SLAG FROM WELD JOINT. PRIOR TO FINISHING, COMPONENTS SHALL BE CLEANED WITH A THREE-STAGE ALKALINE BATH AND AN ECLPS 2400 SEALER FOR ADHESION AND RUST INHIBITOR DURING THE PREPARATION PROCESS. COMPONENTS ARE THOROUGHLY DRIED BEFORE BEING COATED WITH EPOXY/POLYESTER PRIMER POWDER AND ARE SET CURED AT TEMPERATURES BETWEEN 375° AND 400° F THROUGH AN INFRARED OVEN PRIOR TO BEING TOP COATED WITH SUPERDURABLE POLYESTER POWDER FINISH.

2 PLAYGROUND NOTES - CONTINUED

COATED FINISH (CONTINUED) PROPERTIES: PROPERTY - TESTING METHOD - RESULTS FLEXIBILITY (CONICAL MANDREL) - ASTM D 522 - 1/8", NO CRACKS (GREATER THAN 32%) ADHESION - ASTM D 4541 - 800 PSI IMPACT RESISTANCE - ASTM D 2194 - GREATER THAN 320 IN-LBS GLOSS - ASTM D 523 - 12 TABER ABRASION - ASTM D 4060 - 26 (MG LOSS, CS IT WHEEL) TENSILE STRENGTH - ASTM D 638 - 3482 PSI % ELONGATION - ASTM D 638 - 13% HUMIDITY RESISTANCE - ASTM D 2241 - NO BLISTERING OR LOSS OF GLOSS AFTER 1000 HOURS SALT SPRAY - ASTM B IIT - 2000 HRS, NO SIGNIFICANT CHANGE IN COLOR OR GLOSS QUV - ASTM G 53 - 2000 HRS, NO SIGNIFICANT CHANGE IN COLOR OR GLOSS.INSTALLATION INSTRUCTIONS

EPOXY/POLYESTER PRIMER EPOXY/POLYESTER PRIMER COATING PRODUCES A FINISH HAVING A "TOOTH" WHICH READILY ACCEPTS THE PROCEEDING COATING OF SUPERDURABLE POLYESTER POWDER. EPOXY/POLYESTER PRIMER IS A POWDER COATING WHICH IS ELECTROSTATICALLY APPLIED AT A THICKNESS OF 2 TO 5 MILS (.002 - .005).THIS PRIMER COATING ADDS AN ADDITIONAL AL LEVEL OF PROTECTION WHICH IS RESISTANT TO ABRASION, CORROSION, AND MECHANICAL DAMAGE. ALL COMPONENTS SHALL BE FREE OF EXCESS WELD AND WELD SPALLS. ALL EDGES TO BE EASED BY TUMBLING OR OTHER MANNER TO ELIMINATE A SHARP EDGE. AFTER FABRICATION ALL WELD JOINTS ARE TO BE THOROUGHLY CLEANED USING A CHIPPING HAMMER AND WIRE BRUSH TO REMOVE ALL WELD SLAG FROM WELD JOINT. PRIOR TO FINISHING, COMPONENTS SHALL BE CLEANED WITH A THREE-STAGE ALKALINE BATH AND AN ECLPS 2400 SEALER FOR ADHESION AND RUST INHIBITOR DURING THE PREPARATION PROCESS. COMPONENTS ARE THOROUGHLY DRIED BEFORE BEING COATED WITH EPOXY/POLYESTER PRIMER POWDER AND ARE SET CURED AT TEMPERATURES BETWEEN 375° AND 400° F THROUGH AN INFRARED OVEN PRIOR TO BEING TOP COATED WITH SUPERDURABLE POLYESTER POWDER FINISH.

- 1. EQUIPMENT AND COMPONENTS MUST BE MADE IN THE USA AND BE IPEMA CERTIFIED.
2. EQUIPMENT MANUFACTURER TO COMPLY WITH ISO 9001.
3. EQUIPMENT MANUFACTURER TO PROVIDE CLEAR INSTALLATION MANUAL AND HARD COPY PROJECT LAYOUT AT THE COMPLETION OF PROJECT.
4. EQUIPMENT AND FALL SURFACING MUST COMPLY WITH CURRENT STANDARDS AND GUIDELINES.
5. EQUIPMENT TO BE CALLED OUT WITH LENGTHS FOR OVERHEAD ACTIVITIES, SPACING BETWEEN RAILS AND REPRESENTATIVE ELEMENTS.
6. EQUIPMENT TO HAVE SAFETY TOP RAIL WITH A MINIMUM OF 72 INCHES AT CLIMBING OR SLIDING ELEMENTS.
7. EQUIPMENT MANUFACTURER SALES REPRESENTATIVE TO BE NPSI CERTIFIED.
8. EQUIPMENT INSTALLATION TO BE INSPECTED AND CERTIFIED FOR PROPER ASSEMBLY BY MANUFACTURER REPRESENTATIVE NPSI CERTIFIED.
9. EQUIPMENT MUST BE SUPERCEDED BY SUBMITTAL PACKETS THAT HAVE THE FOLLOWING INFORMATION FOR REVIEW AND RELEASE BY PROJECT DESIGNER AND HACEP REPRESENTATIVE:
a. PROJECT SITE PLAN REFLECTING CONSTRUCTION DRAWINGS OR ACTUAL FIELD CONDITIONS.
b. SITE PLAN WITH CONSTRUCTION POINTS.
c. SITE PLAN WITH DIMENSIONS FOR ALL USE ZONES AND BETWEEN INDEPENDENT PIECES OF EQUIPMENT.
d. LOCATION OF CONTAINMENT WALL OR CURB.
e. LOCATION, LIMITS AND DIMENSIONS OF ACCESSIBLE PATH OF TRAVEL
f. LOCATION OF ANY SHADE CANOPIES AS APPLICABLE.
g. EQUIPMENT COLOR SELECTION CHART.
h. EQUIPMENT INFORMATION INCLUDING INSTALLATION.
10. MANUFACTURER TO PROVIDE A SEALED MAINTENANCE KIT TO INCLUDE: TOOL BOX, SAND PAPER, OWNER'S MANUAL, HARDWARE (20 PIECES EACH MINIMUM) ASSORTED SIZES OF VANDAL PROOF NUTS, BOLTS, WASHERS, FASTENING TOOLS (ONE EACH SIZE - WRENCH AND CHUCK KEYS), 4 CANS OF PRIMER , 2 CANS OF EACH COLOR OF TOUCH-UP PAINT, PLASTIC REPAIR KIT, ANTI-GRAFFITI REMOVER.
11. CONTRACTOR SHALL HAVE EQUIPMENT INSTALLATION TO BE PERFORMED BY CONTRACTOR MEETING THE FOLLOWING REQUIREMENTS (a. AND b. ARE INSTALLATION EXPERIENCE REQUIREMENTS THAT MUST BE MET, c. AND d. ARE OPTIONAL REQUIREMENTS THAT MAY BE SUBSTITUTED FOR EITHER a. OR b.).
a. MINIMUM 8 YEARS EXPERIENCE INSTALLING SAME EQUIPMENT.
b. COMPLETE GOOD QUALITY INSTALLATION OF A MINIMUM OF 20 STRUCTURES OF SAME OR SIMILAR SIZE.
c. TRAINING AND CERTIFICATION BY EQUIPMENT MANUFACTURER.
d. NPSI CERTIFICATION.
12. EQUIPMENT AND FALL SURFACES AUDITED AND TESTED BY AN INDEPENDENT EQUIPMENT SPECIALIST. CHECK PLAN VIEW FOR DIMENSIONS OF PLAYGROUND IMPROVEMENTS, EQUIPMENT MANUFACTURER, AND FALL SURFACES MANUFACTURER WITH TOLL FREE NUMBERS. ANY ITEMS FOUND DEFICIENT IN AUDIT MUST BE CORRECTED AND A RE-AUDIT OF CORRECTED ITEM TO INSURE THAT ALL DEFICIENT ITEMS ARE ADDRESSED.
13. PLAYGROUND AREA TO BE FENCED AND PROPERLY SECURED THROUGHOUT CONSTRUCTION AND UP TO FINAL ACCEPTANCE OF PROJECT.
14. EQUIPMENT TO HAVE MINIMUM T2" SAFETY USE (FALL) ZONE ASTM148T-II.
15. CONSTRUCTION WORK ON PLAYGROUND AREA WILL NOT COMMENCE UNTIL ALL MATERIALS AND SUPPLIES ARE IN POSSESSION OF CONTRACTOR.
16. CONTRACTOR WILL INSURE THAT WORK PROGRESS WILL BE ONGOING AND JOB SITE WILL NOT BE LEFT ABANDONED FOR ANY TIME PERIOD GREATER THAN 48 HOURS.
17. CONTRACTOR WILL INSURE THAT JOB SITE IS KEPT CLEAN AND CLEAR OF ANY CONSTRUCTION DEBRIS ON A DAILY BASIS.
18. CUSTOM SIGN TO BE FURNISHED BY PLAYGROUND MANUFACTURER WITH INFORMATION ON AGE APPROPRIATE USE, ADULT SUPERVISION RECOMMENDED, MANUFACTURER'S NAME AND 1-800 PHONE NUMBER, HACEP MAINTENANCE PHONE NUMBER OF (915) 844-3743 AND "WARNINGS" INSTALLATION OVER HARD SURFACE NOTICE. SPECIFIC DESIGN SHALL BE APPROVED BY SUBMITTAL AND VERIFIED WITH HACEP REPRESENTATIVE PRIOR TO PROJECT CONSTRUCTION.
19. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND INSTALL ALL PLAYGROUND ELEMENTS.
20. ALL PLAYGROUND ELEMENTS MUST BE INSTALLED BY A CERTIFIED PLAYGROUND INSTALLER.
21. CONTRACTOR SHALL BE OBSERVANT AND COMPLY WITH ALL FALL ZONES AND USE ZONES AND CONTACT LANDSCAPE ARCHITECT SHOULD UNFORESEEN ELEMENTS CONFLICT WITH EQUIPMENT'S ZONES, PRIOR TO INSTALLATION. CONTRACTOR SHALL COMPLY WITH CONSTRUCTION STANDARDS AS RELATED TO PLAYGROUND EQUIPMENT INSTALLER / CONTRACTOR.

3 SITE ELEMENTS NOTES

- 1. SITE ELEMENTS SHALL INCLUDE BUT ARE NOT LIMITED TO SITE FURNISHINGS, PLAYGROUND SURFACING, PLAYGROUND EQUIPMENT, BENCHES, AND TRASH RECEPCTACLES (AS PER PLANS). CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING, SECURING, TRANSPORTING, AND INSTALLING ALL SITE ELEMENTS UNTIL FINAL ACCEPTANCE.
2. CONTRACTOR SHALL BE OBSERVANT OF ALL FALL ZONES AND USE ZONES AND CONTACT LANDSCAPE ARCHITECT SHOULD UNFORESEEN ELEMENTS CONFLICT WITH EQUIPMENT'S ZONES, PRIOR TO INSTALLATION.
3. CONTRACTOR IS RESPONSIBLE TO PROVIDE ALL SITE ELEMENTS AS INDICATED AND MOUNT ALL APPLICABLE SITE AMENITIES WITH MANUFACTURER'S RECOMMENDATIONS CONCRETE FOOTINGS, ALL SITE ELEMENTS MUST BE MADE IN AMERICA UNLESS OTHERWISE AS INDICATED IN PLANS AND DETAILS.
4. CONTRACTOR SHALL PROVIDE ALL SECURE FREIGHT, STORAGE AND PROTECTION OF SITE ELEMENTS UNTIL FINAL ACCEPTANCE.
5. SITE FURNISHINGS ARE TO CARRY A FIVE YEAR MANUFACTURER'S LIMITED WARRANTY AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP.
6. COLOR, FINISH, SHAPE AND TYPE OF SITE FURNISHINGS SHALL BE FROM A SINGLE SOURCE ABLE TO PROVIDE COMPONENTS OF CONSISTENT QUALITY IN APPEARANCE AND PHYSICAL PROPERTIES.
7. COLOR SHALL BE INDICATED BY LANDSCAPE ARCHITECT FROM MANUFACTURER'S FULL RANGE SITE FURNISHING COLOR CHART.
8. SITE FURNISHINGS SHALL BE POWDER COATED AFTER COMPLETE FABRICATION.



SITES SOUTHWEST

4110 RIO BRAVO, SUITE 217 EL PASO, TX 79902 PHONE:915-351-8800

E-MAIL: mail@sites-sw.com WEB: www.sites-sw.com

CONSULTANTS



Signature and date 05-28-19

PROJECT

CDBG HART & BAIRD IMPROVEMENTS

ADDRESS

4861 ATLAS AVE. EL PASO, TX 79904 (HART) 4747 ATLAS AVE. EL PASO, TX 79904 (BAIRD)



Housing Authority of the City of El Paso

FINAL FOR CONSTRUCTION

Table with columns: REVISIONS, MARK, DATE, DESCRIPTION

PROJECT NO: 2019048 CAD DWG FILE: 2019048 - NOTES.DWG DRAWN BY: STAFF CHK'D BY: D.B.H. ISSUE DATE: 05/28/2019 COPYRIGHT: SITES SOUTHWEST,LLC

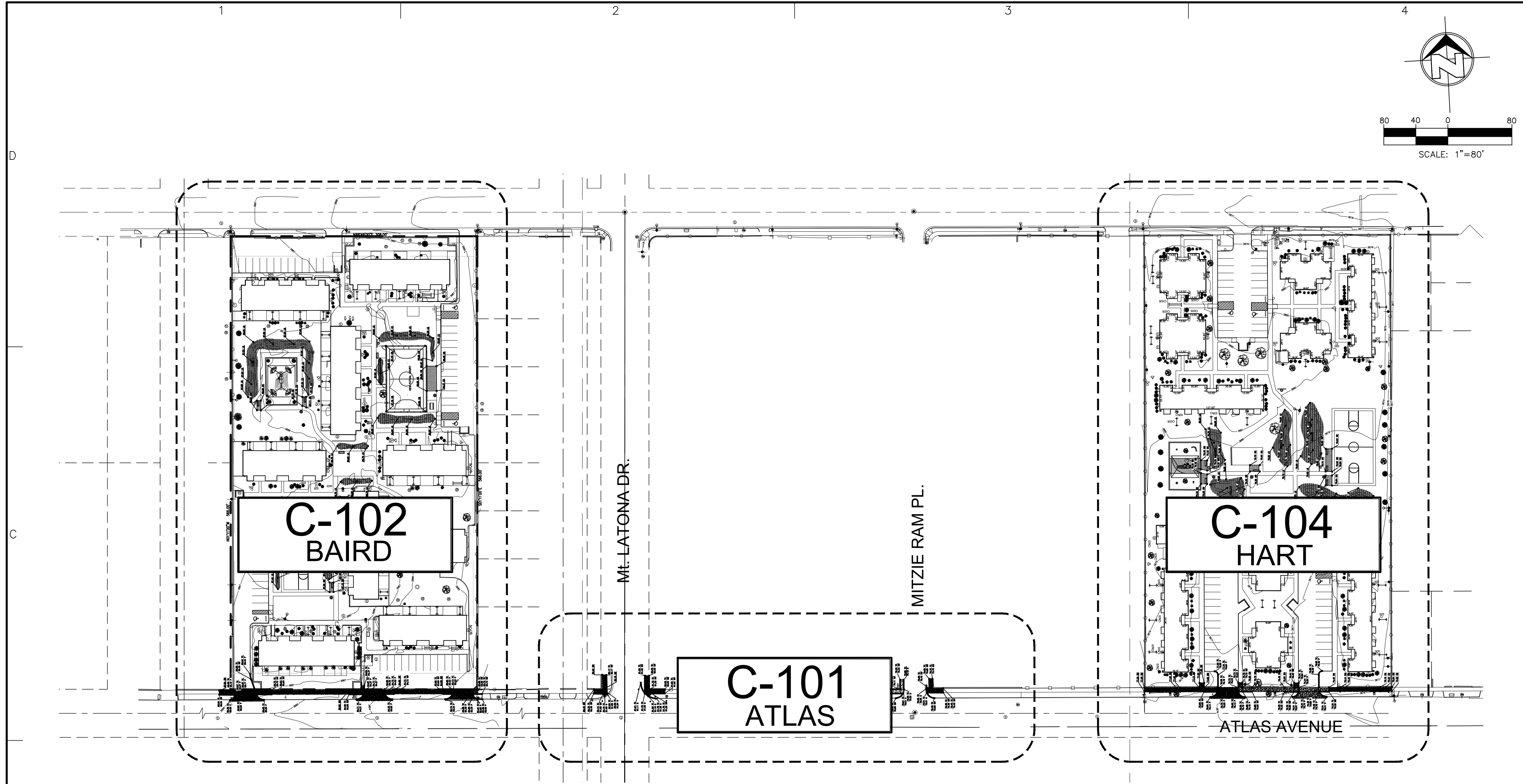
SHEET TITLE

NOTES HART & BAIRD

G-003

This document, whether in hard copy or machine readable format, is copyrighted and on instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.

C:\Users\vmariesca\appdata\local\Temp\Asp\uliah\20912\2019048 - NOTES.dwg 5-28-19 04:08:05 PM rmariesca



- NOTES FOR GRADING
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "2014 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES," (APPLICABLE ITEMS ONLY).
 - ALL FILL AREAS SHALL BE COMPACTED TO 95% DENSITY, (ASTM D-1557).
 - REFER TO THE CITY OF EL PASO GRADING ORDINANCE CHAPTER 18.44 FOR SITE GRADING SPECIFICATIONS. GRADING PERMIT MUST BE AVAILABLE AT THE JOB SITE UPON COMMENCEMENT OF WORK.
 - POSITIVE DRAINAGE SHALL BE PROVIDED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION AND GRADING. THE CONTRACTOR SHALL NOT ALLOW DEBRIS OR SEDIMENT TO SPILL ONTO THE PUBLIC STREETS OR ADJOINING PROPERTIES.
 - CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITY LINES (SHOWN OR NOT SHOWN) WITHIN THE SCOPE OF CONSTRUCTION. THE CONTRACTOR MUST NOTIFY THE RESPECTIVE AGENCY PRIOR TO MOVING ON SITE, SO THE EXISTING UTILITY LINES CAN BE LOCATED IN THE FIELD. IF ANY LINES ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN EXPENSE.
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS ON SITE AND SHALL CONTACT THE DESIGN ENGINEER AND REPORT ANY DISCREPANCIES, OMISSIONS, AND ERRORS ON PLANS PRIOR TO COMMENCING OR CONTINUING WORK.
- "CAUTION TO CONTRACTOR"**
- LOCATE AND PROTECT FROM DAMAGE ALL UTILITY LINES WITHIN THE CONSTRUCTION AREA.
 - GRADING, SWPPP, AND N.O.I. PERMITS REQUIRED BEFORE MOVING ON SITE.
 - ALL RAMP SHALL HAVE A MAX. OF 1:12 SLOPE AND ALL SIDEWALK SHALL HAVE A MAX. OF 2% CROSS SLOPE. ALL ACCESSIBLE PARKING SPACES SHALL HAVE A MAX. OF 2% (LONGITUDINAL OR CROSS SLOPE). ALL ACCESSIBLE ROUTES SHALL HAVE A MAX. OF 5% SLOPE.
- PERMIT CLOSEOUT PROCEDURES (18.44.226)
- AFTER THE PERMITEE COMPLETES THE GRADING UNDER THE PERMIT, THE PERMIT SHALL BE CLOSED. AS PART OF THE CLOSEOUT PROCEDURE, THE APPLICANT MUST SUBMIT THE FOLLOWING TO THE CITY:
 - A STATEMENT FROM THE ENGINEER OF RECORD THAT STATES "THE GRADING OPERATION HAS BEEN SUBSTANTIALLY COMPLETED AND GENERALLY CONFORMS TO THE APPROVED SET OF PLANS." THE PERMITEE SHALL CALL THE PERMIT OFFICIAL TO ESTABLISH THE BEGINNING OF THE WARRANTY PERIOD AND TO NOTIFY THE PERMIT OFFICIAL THAT THE GSP HAS BEEN IMPLEMENTED.
 - A COPY OF THE NOTICE OF TERMINATION FILED WITH THE STATE OR DATED CONSTRUCTION SITE NOTICE, IF APPLICABLE, IN ACCORDANCE WITH CHAPTER 15.
- THE CITY WILL ISSUE A LETTER STATING GENERAL CONFORMANCE TO THE PERMIT HAS BEEN MET AND THAT THE WARRANTY PERIOD REQUIREMENTS WILL BE IN EFFECT.
- (ORDINANCE NO. 17516, § 1, 3-29-2011)
- WARRANTY (18.44.090)
- ANY PERSON ISSUED A PERMIT SHALL AGREE, WARRANT AND MAINTAIN THE AREA DESCRIBED IN THE PERMIT FOR A PERIOD OF TWO YEARS AFTER THE PERMIT IS CLOSED BY THE CITY PURSUANT TO SECTION 18.44.220, OR UNTIL A BUILDING PERMIT IS ISSUED FOR THE PURPOSE OF MAINTAINING A STABILIZED SITE IN ACCORDANCE WITH THE APPROVED GSP, WHICHEVER FIRST OCCURS (THE "WARRANTY" OR "WARRANTY PERIOD"). THE CITY MAY CONDUCT INSPECTIONS OF THE PERMITTED AREA THROUGHOUT THE WARRANTY PERIOD AND REQUIRE MAINTENANCE AND CORRECTION OF THE WORK BY THE PERMIT HOLDER. FAILURE OF THE PERMIT HOLDER TO CORRECT THE WORK SHALL CONSTITUTE A FAILURE TO COMPLY WITH THE PROVISIONS OF THIS CHAPTER.
- (ORDINANCE NO. 17516, § 1, 3-29-2011)

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800

E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS

SLI ENGINEERING, INC.
SLI LICENSE No. F-1902

MAY 28, 2019
SLI Project No. 09-19-4314

1 PROJECT OVERALL
SCALE: 1"=80'-0"

LEGEND	
32.20FG	NEW FG ELEV. (GROUND)
32.20SW	NEW SIDEWALK ELEV.(CONCRETE)
32.20P	NEW FG ELEV. (PAVEMENT)
32.20G	NEW FG ELEV. (GUTTER)
32.20TC	NEW FG ELEV. (TOP OF CURB)
32.20CS	NEW FG ELEV. (CONCRETE SLAB)
32.20TW	NEW FG ELEV. (TOP OF WALL)
32.20PV	NEW FG ELEV. (TOP OF PAVERS)
32.20LS	NEW FG ELEV. (LANDSCAPE)
3732.2 X	EXISTING GROUND (SPOT ELEV.)
32.00	PROPOSED FG (CONTOUR)
FF=30.39	FINISHED BUILDING FLOOR ELEVATION
3732	EXISTING GROUND (CONTOUR)
HP	HIGH POINT
L.O.C.	LIMITS OF CONSTRUCTION

GENERAL CIVIL INDEX	
C-100	OVERALL PROJECT
C-101	ENLARGED GRADING PLAN ATLAS
C-102	OVERALL GRADING PLAN BAIRD
C-103	ENLARGED GRADING PLAN BAIRD
C-104	OVERALL GRADING PLAN HART
C-105	ENLARGED GRADING PLAN HART
C-200	NOT USED
C-300	SECTIONS PLAN
C-400	LARGE-SCALE TRANSITIONAL SIDEWALKS ATLAS
C-401	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS BAIRD
C-402	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS HART
C-500	STANDARD DETAILS
C-600	NOT USED
C-700	NOT USED
C-800	NOT USED
C-900	DRIVEWAY ISOMETRIC
SWPPP-101	STORM WATER POLLUTION PREVENTION PLAN ATLAS
SWPPP-102	STORM WATER POLLUTION PREVENTION PLAN BAIRD
SWPPP-103	STORM WATER POLLUTION PREVENTION PLAN HART
SWPPN-104	STORM WATER POLLUTION PREVENTION NOTES ATLAS
SWPPN-105	STORM WATER POLLUTION PREVENTION NOTES BAIRD
SWPPN-106	STORM WATER POLLUTION PREVENTION NOTES HART
SWPPD-500	STORM WATER POLLUTION PREVENTION DETAILS

NOTE:
ALL INFORMATION SHOWN HEREON WITH RESPECT TO UNDERGROUND CONDITIONS WAS DETERMINED BY DATA COLLECTED THROUGH SURVEY CREW OBSERVATION AND OTHER INFORMATION TAKEN FROM EXISTING PLANS AND MAPS OF RECORD. NO UNDERGROUND UTILITIES EXISTING OR ABANDONED WERE EXPOSED OR LOCATED.

UNLESS SPECIFICALLY ACCEPTED BY SLI ENGINEERING, INC. IN WRITING, SLI ENGINEERING, INC. MAKES NO CLAIM, EXPRESSED OR IMPLIED, AS TO THE UNDERGROUND SITE CONDITIONS.

ABBREVIATIONS

TC	= TOP OF CURB	PL	= PROPERTY LINE
SW	= TOP OF WALK	HP	= HIGH POINT
P	= TOP OF PAVEMENT	CHF	= CHAIN-LINK FENCE
TR	= TREE	TR	= TREE
P.O.B.	= POINT OF BEGINNING	C.M.	= CITY MONUMENT
ELEV.	= ELEVATION	TYP.	= TYPICAL
B.D.G.	= BUILDING DESCRIPTION	R.O.W.	= RIGHT OF WAY
DESC.	= DESCRIPTION	SH	= SHEET
PAV.	= PAVEMENT	RD.	= ROAD
CS	= CONCRETE SLAB	ST.	= STREET
N	= NORTH	PL	= PLACE
E	= EAST	CL	= CENTER LINE
S	= SOUTH	EC	= EDGE OF CONCRETE
W	= WEST	NG	= NATURAL GROUND
PP	= EDGE OF PAVEMENT	DW	= DRIVEWAY
F.H.	= FIRE HYDRANT	G	= GUTTER ELEVATION
LP	= LIGHT POLE	I	= ISLAND
PC	= PROPERTY CORNER	TS	= TRAFFIC SIGN
HP	= HIGH POINT	EB	= ELECTRIC BOX
L.O.C.	= LIMITS OF CONSTRUCTION	LS	= LANDSCAPING
FL	= TOP OF FLUME/SWALE	HC	= HANDICAPPED
N.O.I.	= NOTICE OF INTENT	FG	= FINISH GROUND
THRC	= TEXAS NATURAL RESOURCE CONSERVATION COMMISSION	TOP	= TOP ELEVATION
SDPCP	= STORM DRAIN POLLUTION CONTROL PLAN	INV	= INVERT ELEVATION
		TW	= TOP OF WALL
		PV	= PAVERS
		FC	= FLAT CURB

18.44.200- ENGINEERING CONTROLS FOR GRADING. CONSTRUCTION ACTIVITY REQUIREMENTS.

THE FOLLOWING OPERATIONAL GUIDELINES MUST BE FOLLOWED DURING THE GRADING OF THE SITE. THEY ARE REQUIRED TO BE INCLUDED AS "GENERAL NOTES" ON THE APPROVED GRADING PLAN.

- NO ON-SITE PROCESSING OF MATERIAL FOR COMMERCIAL OR RETAIL SALES SHALL BE ALLOWED. ON-SITE PROCESSING OF MATERIALS TO BE USED FOR PREPARATION OR CONSTRUCTION OF IMPROVEMENTS WITHIN THE SITE COVERED BY THE GRADING PERMIT SHALL BE ALLOWED.
- WORK SHALL BE CONDUCTED IN A MANNER THAT PRESERVES AND DOES NOT OBSTRUCT, IMPEDE OR INTERFERE WITH THE FLOW OF STORMWATER IN NATURAL DRAINAGE WAYS, UNIMPROVED CHANNELS OR WATERCOURSES, OR IMPROVED DITCHES, CHANNELS OR CANALS IN SUCH A MANNER AS TO CAUSE FLOODING WHERE IT WOULD NOT OTHERWISE OCCUR.
- CONSTRUCTION EQUIPMENT AND FENCING SHALL BE KEPT OUT OF WATERCOURSES EXCEPT WHEN NECESSARY TO PERFORM WORK ON THE APPROVED PLANS. ADEQUATE BY-BASS MEASURES SHALL BE INSTALLED WHERE TEMPORARY DRAINAGE BLOCKAGES WILL OCCUR. WHERE WORK WITHIN A CHANNEL IS DESIGNATED ON APPROVED PLANS, PRECAUTIONS SHALL BE TAKEN TO STABILIZE THE WORK AREA DURING CONSTRUCTION TO MINIMIZE EROSION AS SHOWN ON THE PLANS. THE CHANNEL, INCLUDING BED AND BANKS, SHALL ALWAYS BE RESTORED/REHABILITATED IMMEDIATELY AFTER WORK IN THE CHANNEL IS COMPLETED.
- WHERE A DRAINAGE WAY WILL BE CROSSED BY CONSTRUCTION VEHICLES REGULARLY DURING CONSTRUCTION, A TEMPORARY CROSSING SHALL BE CONSTRUCTED AS REQUIRED IN THE APPROVED GRADING PLANS.
- MATERIAL STOCKPILING SHALL NOT BE ALLOWED WHEN GRADING OPERATIONS ARE IN PLACE FOR MORE THAN SEVEN CONSECUTIVE CALENDAR DAYS. STOCKPILING SHALL BE LIMITED TO TEN FEET HIGH WHEN GRADING OPERATIONS ARE BEING CONDUCTED.
- A TRAFFIC CONTROL PERMIT SHALL BE REQUIRED IF THE GRADING OPERATION WILL IMPACT TRAFFIC.
- ANY USE OF VIBRATORY EQUIPMENT SHALL NOT BE ALLOWED, UNLESS APPROVED IN WRITING BY THE PERMIT OFFICIAL IN ADVANCE OF SUCH USE.
- THE PERMIT OFFICIAL MUST BE NOTIFIED NO LATER THAN 4:00 PM THE DAY IN ADVANCE OF ANY GRADING WORK. ADDITIONAL ACTIVITY REQUIREMENTS/RESTRICTIONS MAY BE SPECIFIED BY THE DESIGN ENGINEER OF RECORD.

ATLAS LEGAL DESCRIPTION
ATLAS ROW - NORTH PORTION
EL PASO, EL PASO COUNTY, TEXAS.

BAIRD LEGAL DESCRIPTION
LOTS 86 TO 89, BLOCK 2, SUNRISE ACRES
EL PASO, EL PASO COUNTY, TEXAS.
CONTAINING 143,345 Sq. Ft. (3.2907 Acres) +/-

HART LEGAL DESCRIPTION
LOTS 72 TO 75, BLOCK 2, SUNRISE ACRES
EL PASO, EL PASO COUNTY, TEXAS.
CONTAINING 175,213 Sq. Ft. (4.0223 Acres) +/-

EROSION CONTROL:

- WIND EROSION CONTROL: WATERING DURING AND AFTER COMPLETION OF SITE GRADING, THE PROJECT AREA SHALL BE COMPLETELY WATERED AS NEEDED TO CONTROL WIND EROSION OR AS DIRECTED BY THE CITY ENGINEER.
- THE CONTRACTOR SHALL CLEAN UP ANY DIRT OR DEBRIS THAT IS SPILLED ON THE EXISTING PUBLIC ROADWAY AS A RESULT OF THIS CONSTRUCTION PROJECT. CLEAN UP IS TO BE DONE ON A REGULAR BASIS OR AS DIRECTED BY THE CITY ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SLOPES IN GOOD CONDITION AND PROTECTING THEM FROM EROSION UNTIL THE FINAL LANDSCAPING ELEMENTS ARE IN PLACE.

FLOOD ZONE:

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 480214 0024 B, DATED OCTOBER 15, 1982 THIS PROPERTY LIES IN FLOOD ZONE "C".

ZONE "C", AREAS OF MINIMAL FLOODING (NO SHADING).

DUE TO INHERENT INACCURACIES OF FEMA OR FLOOD INSURANCE RATE MAPS THIS SURVEYOR DOES NOT CERTIFY TO THE ACCURACY OF LOCATIONS BASED ON SUCH MAPS. THIS FLOOD STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR.

DEMOLITION NOTE

FOR DEMOLITION PLANS AND NOTES SEE ARCHITECTURAL / LANDSCAPE PLANS.

BENCHMARK:

EXISTING CITY MONUMENT LYING AT THE CENTERLINE INTERSECTION OF TITANIC AVE. AND PANDORA ST.
ELEVATION: 3874.01' CITY DATUM

IMPORTANT CONSTRUCTION NOTE

VIBRATORY ROLLERS WILL BE NOT ALLOWED DURING CONSTRUCTION.

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)

Housing Authority of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

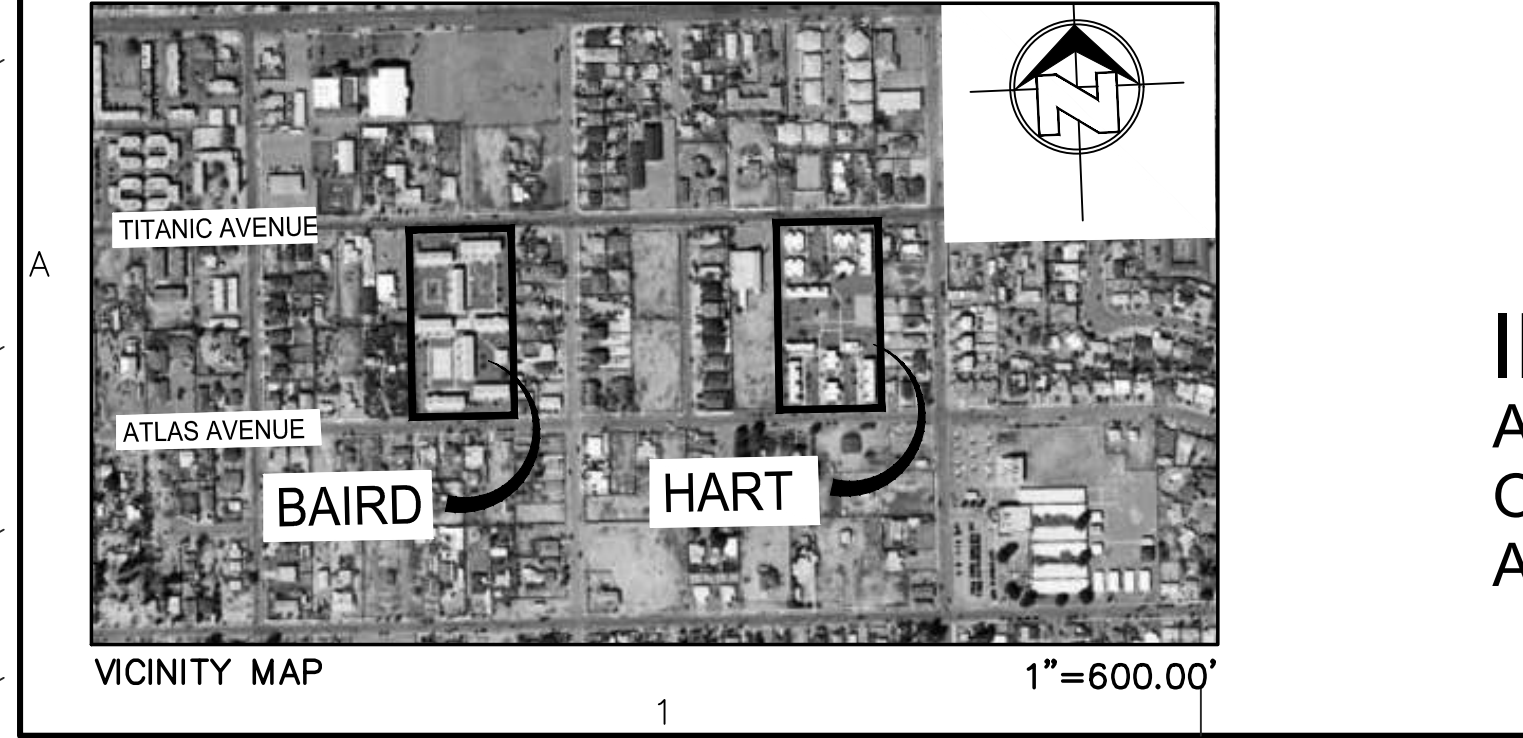
PROJECT NO: 2019048
CAD DWG FILE: C-100 ABH GRADING.DWG
DRAWN BY: F.E.
CHK'D BY: F.E./G.H.
ISSUE DATE: 05/28/2019
COPYRIGHT: SLI Engineering, Inc.

SHEET TITLE

PROJECT OVERALL

C-100

SHEET 1 OF 19

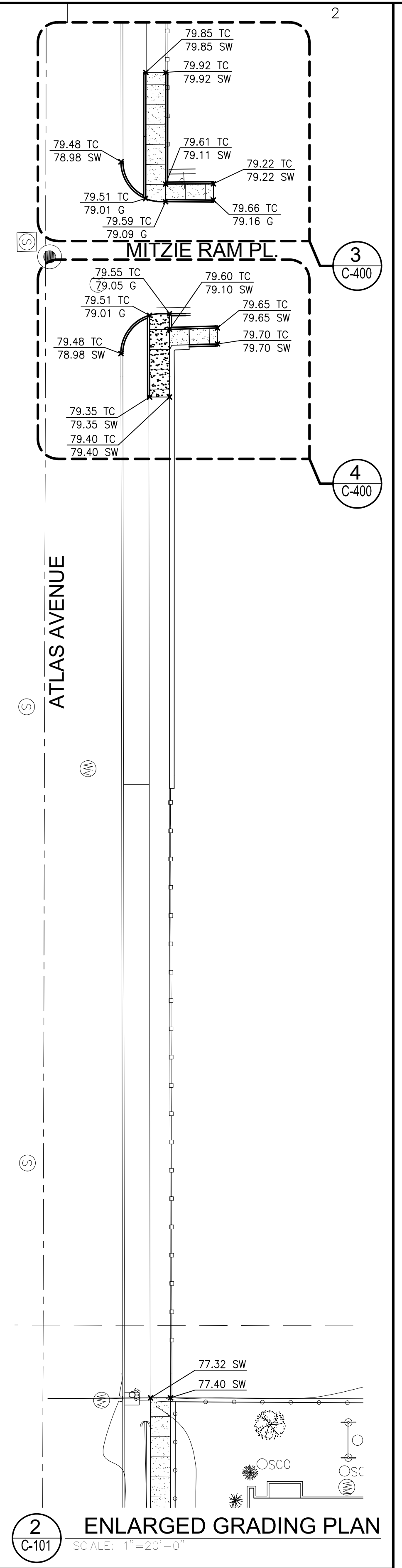
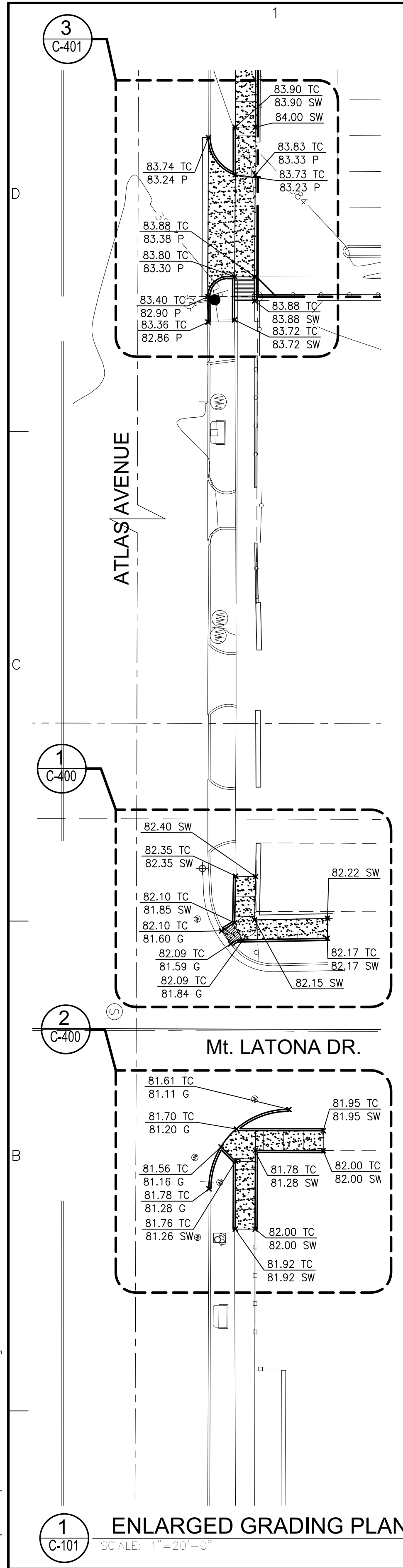


IMPORTANT DRAINAGE NOTE
ALL NEW IMPROVEMENTS WILL BE LOCATED OVER EXISTING DEVELOPED AREAS, NO ADDITIONAL RUNOFF WILL BE EXPECTED.

NOTE:
ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S. AND CITY OF EL PASO REQUIREMENTS. EXISTING INFRASTRUCTURE NOT COMPLYING SHALL BE REMOVED AND REPLACED TO MEET STANDARDS.

811
Know what's below.
Call before you dig.
Call 811 TWO Working days Before you dig
It's Free. It's Easy and IT'S THE LAW!

F:\PROJECTS\HACEP 2015\HART-ATLAS\FINALS\C-100 ABH GRADING.dwg 6-03-19 09:07:19 AM Fernando



LEGEND

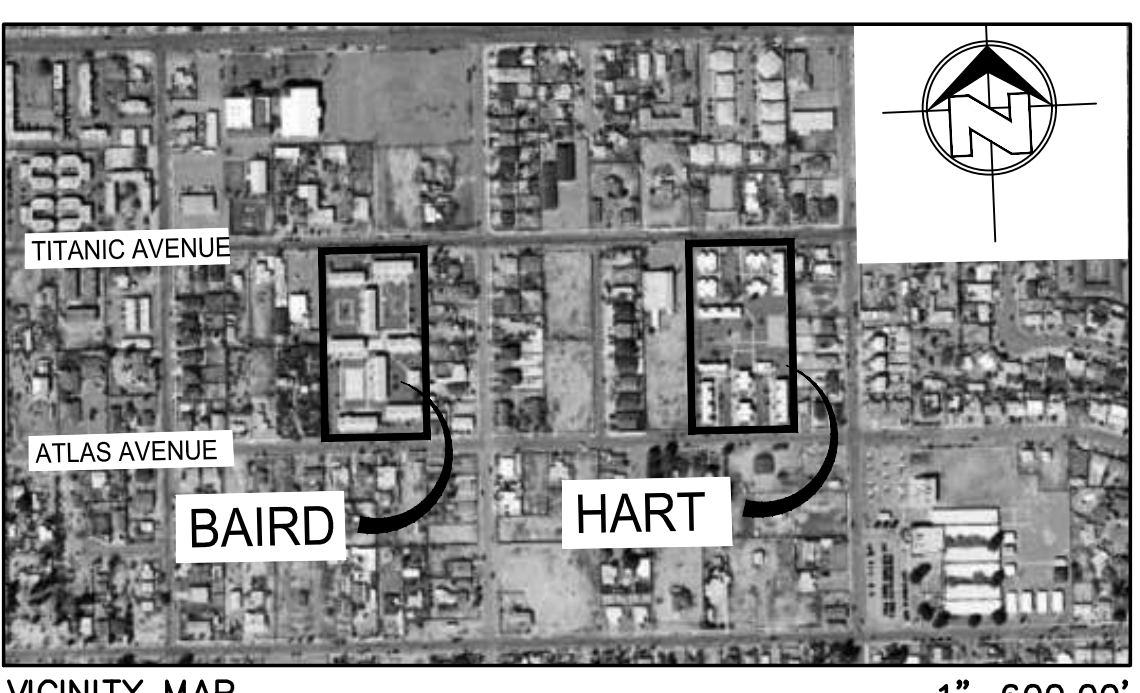
- 32.20FG NEW FG ELEV. (GROUND)
- 32.20SW NEW SIDEWALK ELEV.(CONCRETE)
- 32.20P NEW FG ELEV. (PAVEMENT)
- 32.20G NEW FG ELEV. (GUTTER)
- 32.20TC NEW FG ELEV. (TOP OF CURB)
- 32.20CS NEW FG ELEV. (CONCRETE SLAB)
- 32.20TW NEW FG ELEV. (TOP OF WALL)
- 32.20PV NEW FG ELEV. (TOP OF PAVERS)
- 32.20LS NEW FG ELEV. (LANDSCAPE)
- 3732.2 X EXISTING GROUND (SPOT ELEV.)
- 37.00 PROPOSED FG (CONTOUR)
- FF=30.39 FINISHED BUILDING FLOOR ELEVATION
- 3732 EXISTING GROUND (CONTOUR)
- High Point
- L.O.C. LIMITS OF CONSTRUCTION

IMPORTANT DRAINAGE NOTE
ALL NEW IMPROVEMENTS WILL BE LOCATED OVER EXISTING DEVELOPED AREAS, NO ADDITIONAL RUNOFF WILL BE EXPECTED.

NOTE:
ALL INFORMATION SHOWN HEREON WITH RESPECT TO UNDERGROUND CONDITIONS WAS DETERMINED BY DATA COLLECTED THROUGH SURVEY CREW OBSERVATION AND OTHER INFORMATION TAKEN FROM EXISTING PLANS AND MAPS OF RECORD. NO UNDERGROUND UTILITIES EXISTING OR ABANDONED WERE EXPOSED OR LOCATED.

UNLESS SPECIFICALLY ACCEPTED BY SLI ENGINEERING, INC. IN WRITING, SLI ENGINEERING, INC. MAKES NO CLAIM, EXPRESSED OR IMPLIED, AS TO THE UNDERGROUND SITE CONDITIONS.

NOTE:
ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S. AND CITY OF EL PASO REQUIREMENTS, EXISTING INFRASTRUCTURE NOT COMPLYING SHALL BE REMOVED AND REPLACED TO MEET STANDARDS.



GENERAL CIVIL INDEX

- C-100 OVERALL PROJECT
- C-101 ENLARGED GRADING PLAN ATLAS
- C-102 OVERALL GRADING PLAN BAIRD
- C-103 ENLARGED GRADING PLAN BAIRD
- C-104 OVERALL GRADING PLAN HART
- C-105 ENLARGED GRADING PLAN HART
- C-200 NOT USED
- C-300 SECTIONS PLAN
- C-400 LARGE-SCALE TRANSITIONAL SIDEWALKS ATLAS
- C-401 LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS BAIRD
- C-402 LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS HART
- C-500 STANDARD DETAILS
- C-600 NOT USED
- C-700 NOT USED
- C-800 NOT USED
- C-900 DRIVEWAY ISOMETRIC
- SWPPP-101 STORM WATER POLLUTION PREVENTION PLAN ATLAS
- SWPPP-102 STORM WATER POLLUTION PREVENTION PLAN BAIRD
- SWPPP-103 STORM WATER POLLUTION PREVENTION PLAN HART
- SWPPN-104 STORM WATER POLLUTION PREVENTION NOTES ATLAS
- SWPPN-105 STORM WATER POLLUTION PREVENTION NOTES BAIRD
- SWPPN-106 STORM WATER POLLUTION PREVENTION NOTES HART
- SWPPD-500 STORM WATER POLLUTION PREVENTION DETAILS

NOTES FOR GRADING

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "2014 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES," (APPLICABLE ITEMS ONLY).
 2. ALL FILL AREAS SHALL BE COMPACTED TO 95% DENSITY, (ASTM D-1557).
 3. REFER TO THE CITY OF EL PASO GRADING ORDINANCE CHAPTER 18.44 FOR SITE GRADING SPECIFICATIONS. GRADING PERMIT MUST BE AVAILABLE AT THE JOB SITE UPON COMMENCEMENT OF WORK.
 4. POSITIVE DRAINAGE SHALL BE PROVIDED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION AND GRADING. THE CONTRACTOR SHALL NOT ALLOW DEBRIS OR SEDIMENT TO SPILL ONTO THE PUBLIC STREETS OR ADJOINING PROPERTIES.
 5. CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITY LINES (SHOWN OR NOT SHOWN) WITHIN THE SCOPE OF CONSTRUCTION. THE CONTRACTOR MUST NOTIFY THE RESPECTIVE AGENCY PRIOR TO MOVING ON SITE, SO THE EXISTING UTILITY LINES CAN BE LOCATED IN THE FIELD. IF ANY LINES ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN EXPENSE.
 6. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS ON SITE AND SHALL CONTACT THE DESIGN ENGINEER AND REPORT ANY DISCREPANCIES, OMISSIONS, AND ERRORS ON PLANS PRIOR TO COMMENCING OR CONTINUING WORK.
- "CAUTION TO CONTRACTOR"**
7. LOCATE AND PROTECT FROM DAMAGE ALL UTILITY LINES WITHIN THE CONSTRUCTION AREA.
 8. GRADING, SWPPP, AND N.O.I. PERMITS REQUIRED BEFORE MOVING ON SITE.
 9. ALL RAMPS SHALL HAVE A MAX. OF 1:12 SLOPE AND ALL SIDEWALKS SHALL HAVE A MAX. OF 2% CROSS SLOPE. ALL ACCESSIBLE PARKING SPACES SHALL HAVE A MAX. OF 2% (LONGITUDINAL OR CROSS SLOPE). ALL ACCESSIBLE ROUTES SHALL HAVE A MAX. OF 5% SLOPE.
 10. AFTER THE PERMITTEE COMPLETES THE GRADING UNDER THE PERMIT, THE PERMIT SHALL BE CLOSED. AS PART OF THE CLOSEOUT PROCEDURE, THE APPLICANT MUST SUBMIT THE FOLLOWING TO THE CITY:
 - A. A STATEMENT FROM THE ENGINEER OF RECORD THAT STATES "THE GRADING OPERATION HAS BEEN SUBSTANTIALLY COMPLETED AND GENERALLY CONFORMS TO THE APPROVED SET OF PLANS." THE PERMITTEE SHALL CALL THE PERMIT OFFICIAL TO ESTABLISH THE BEGINNING OF THE WARRANTY PERIOD AND TO NOTIFY THE PERMIT OFFICIAL THAT THE GSP HAS BEEN IMPLEMENTED.
 - B. A COPY OF THE NOTICE OF TERMINATION FILED WITH THE STATE OR DATED CONSTRUCTION SITE NOTICE, IF APPLICABLE, IN ACCORDANCE WITH CHAPTER 15.
- THE CITY WILL ISSUE A LETTER STATING GENERAL CONFORMANCE TO THE PERMIT HAS BEEN MET AND THAT THE WARRANTY PERIOD REQUIREMENTS WILL BE IN EFFECT.
(ORDINANCE NO. 17516, § 1, 3-29-2011)
- WARRANTY (18.44.090)
- ANY PERSON ISSUED A PERMIT SHALL AGREE, WARRANT AND MAINTAIN THE AREA DESCRIBED IN THE PERMIT FOR A PERIOD OF TWO YEARS AFTER THE PERMIT IS CLOSED BY THE CITY PURSUANT TO SECTION 18.44.220, OR UNTIL A BUILDING PERMIT IS ISSUED FOR THE PURPOSE OF MAINTAINING A STABILIZED SITE IN ACCORDANCE WITH THE APPROVED GSP, WHICHEVER FIRST OCCURS (THE "WARRANTY" OR "WARRANTY PERIOD"). THE CITY MAY CONDUCT INSPECTIONS OF THE PERMITTED AREA THROUGHOUT THE WARRANTY PERIOD AND REQUIRE MAINTENANCE AND CORRECTION OF THE WORK BY THE PERMIT HOLDER. FAILURE OF THE PERMIT HOLDER TO CORRECT THE WORK SHALL CONSTITUTE A FAILURE TO COMPLY WITH THE PROVISIONS OF THIS CHAPTER.
(ORDINANCE NO. 17516, § 1, 3-29-2011)

EROSION CONTROL:

1. WIND EROSION CONTROL: WATERING DURING AND AFTER COMPLETION OF SITE GRADING, THE PROJECT AREA SHALL BE COMPLETELY WATERED AS NEEDED TO CONTROL WIND EROSION OR AS DIRECTED BY THE CITY ENGINEER.
2. THE CONTRACTOR SHALL CLEAN UP ANY DIRT OR DEBRIS THAT IS SPILLED ON THE EXISTING PUBLIC ROADWAY AS A RESULT OF THIS CONSTRUCTION PROJECT. CLEAN UP IS TO BE DONE ON A REGULAR BASIS OR AS DIRECTED BY THE CITY ENGINEER.
3. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SLOPES IN GOOD CONDITION AND PROTECTING THEM FROM EROSION UNTIL THE FINAL LANDSCAPING ELEMENTS ARE IN PLACE.

FLOOD ZONE:

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 480214 0024 B, DATED OCTOBER 15, 1982 THIS PROPERTY LIES IN FLOOD ZONE "C".

ZONE "C", AREAS OF MINIMAL FLOODING (NO SHADING).

DUE TO INHERENT INACCURACIES OF FEMA OR FLOOD INSURANCE RATE MAPS THIS SURVEYOR DOES NOT CERTIFY TO THE ACCURACY OF LOCATIONS BASED ON SUCH MAPS. THIS FLOOD STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR.

LEGAL DESCRIPTION

ATLAS ROW - NORTH PORTION
EL PASO, EL PASO COUNTY, TEXAS.

BENCHMARK:

EXISTING CITY MONUMENT LYING AT THE CENTERLINE INTERSECTION OF TITANIC AVE. AND PANDORA ST.
ELEVATION: 3874.01' CITY DATUM

IMPORTANT CONSTRUCTION NOTE

VIBRATORY ROLLERS WILL BE NOT ALLOWED DURING CONSTRUCTION.

DEMOLITION NOTE

FOR DEMOLITION PLANS AND NOTES SEE ARCHITECTURAL / LANDSCAPE PLANS.

811
Know what's below.
Call before you dig.
Call 811 TWO Working days Before you dig
It's Free, It's Easy, and
IT'S THE LAW!

SCALE: 1"=20'



4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com



PROJECT
CDBG HART & BAIRD
IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



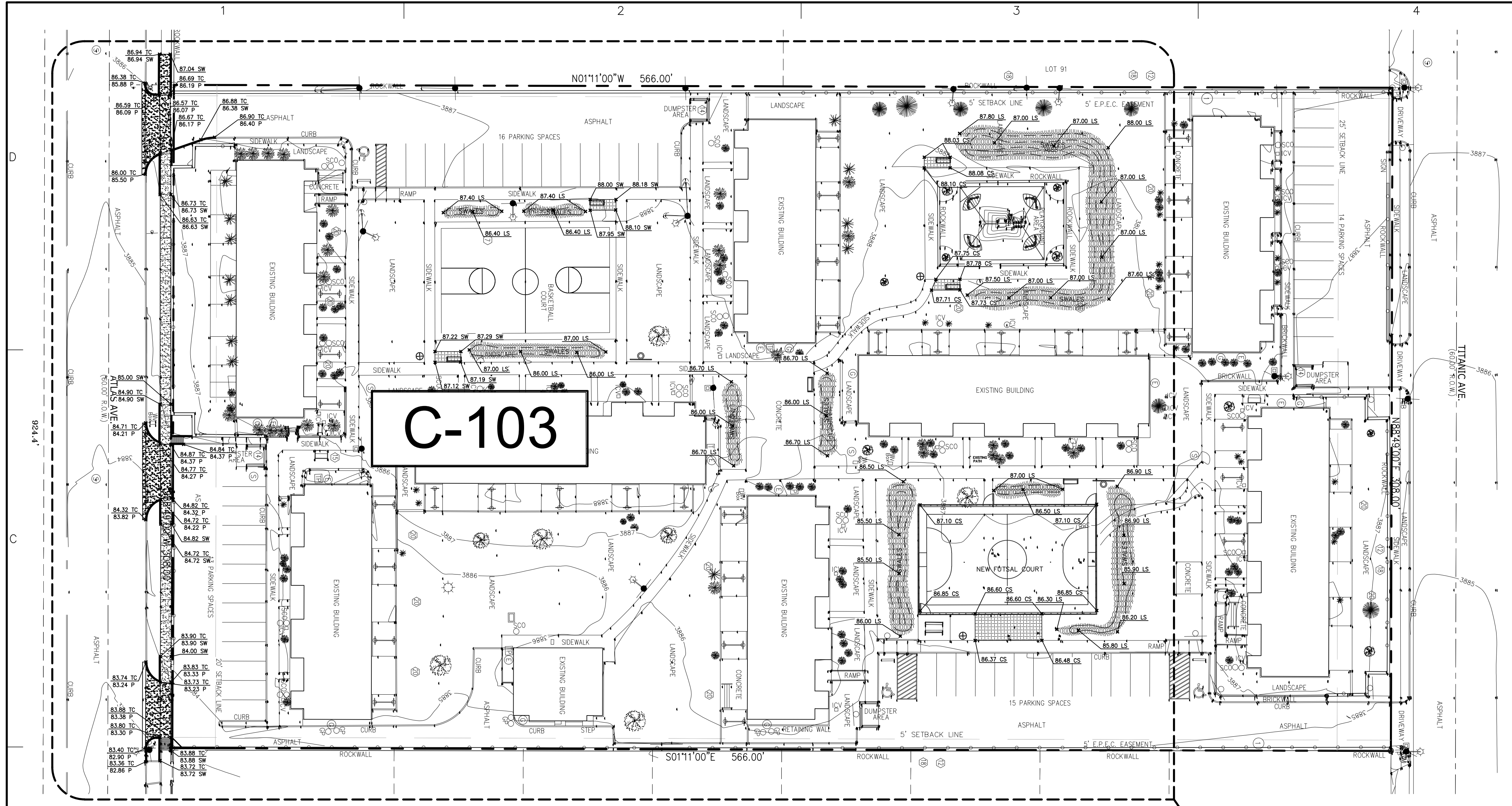
FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
CAD DWG FILE: C-100 ABH GRADING.DWG
DRAWN BY: F.E.
CHK'D BY: F.E. /G.H.
ISSUE DATE: 05/28/2019
COPYRIGHT: SLI Engineering, Inc.
SHEET TITLE

ENLARGED GRADING PLAN ATLAS C-101

SHEET 2 OF 19



1 OVERALL GRADING PLAN
SCALE: 1"=30'-0"

LEGEND

32.20FG	NEW FG ELEV. (GROUND)
32.20SW	NEW SIDEWALK ELEV.(CONCRETE)
32.20P	NEW FG ELEV. (PAVEMENT)
32.20G	NEW FG ELEV. (GUTTER)
32.20TC	NEW FG ELEV. (TOP OF CURB)
32.20CS	NEW FG ELEV. (CONCRETE SLAB)
32.20TW	NEW FG ELEV. (TOP OF WALL)
32.20PV	NEW FG ELEV. (TOP OF PAVERS)
32.20LS	NEW FG ELEV. (LANDSCAPE)
37.32.X	EXISTING GROUND (SPOT ELEV.)
37.00	PROPOSED FG (CONTOUR)
FF=30.39	FINISHED BUILDING FLOOR ELEVATION
37.32	EXISTING GROUND (CONTOUR)
HP	HIGH POINT
L.O.C.	LIMITS OF CONSTRUCTION

GENERAL CIVIL INDEX

C-100	OVERALL PROJECT
C-101	ENLARGED GRADING PLAN ATLAS
C-102	OVERALL GRADING PLAN BAIRD
C-103	OVERALL GRADING PLAN HART
C-104	OVERALL GRADING PLAN HART
C-105	ENLARGED GRADING PLAN HART
C-200	NOT USED
C-300	SECTIONS PLAN
C-400	LARGE-SCALE TRANSITIONAL SIDEWALKS ATLAS
C-401	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS BAIRD
C-402	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS HART
C-500	STANDARD DETAILS
C-600	NOT USED
C-700	NOT USED
C-800	NOT USED
C-900	DRIVEWAY ISOMETRIC
SWPPP-101	STORM WATER POLLUTION PREVENTION PLAN ATLAS
SWPPP-102	STORM WATER POLLUTION PREVENTION PLAN BAIRD
SWPPP-103	STORM WATER POLLUTION PREVENTION PLAN HART
SWPPN-104	STORM WATER POLLUTION PREVENTION NOTES ATLAS
SWPPN-105	STORM WATER POLLUTION PREVENTION NOTES BAIRD
SWPPN-106	STORM WATER POLLUTION PREVENTION NOTES HART
SWPPD-500	STORM WATER POLLUTION PREVENTION DETAILS

18.44.200- ENGINEERING CONTROLS FOR GRADING. CONSTRUCTION ACTIVITY REQUIREMENTS.

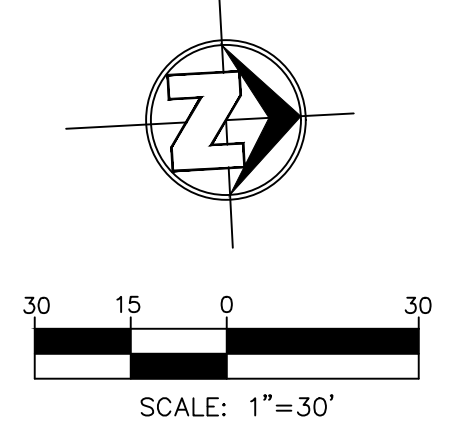
- THE FOLLOWING OPERATIONAL GUIDELINES MUST BE FOLLOWED DURING THE GRADING OF THE SITE. THEY ARE REQUIRED TO BE INCLUDED AS "GENERAL NOTES" ON THE APPROVED GRADING PLAN.
- NO ON-SITE PROCESSING OF MATERIAL FOR COMMERCIAL OR RETAIL SALES SHALL BE ALLOWED. ON-SITE PROCESSING OF MATERIALS TO BE USED FOR PREPARATION OR CONSTRUCTION OF IMPROVEMENTS WITHIN THE SITE COVERED BY THE GRADING PERMIT SHALL BE ALLOWED.
 - WORK SHALL BE CONDUCTED IN A MANNER THAT PRESERVES AND DOES NOT OBSTRUCT, IMPEDE OR INTERFERE WITH THE FLOW OF STORMWATER IN NATURAL DRAINAGE WAYS, UNIMPROVED CHANNELS OR WATERCOURSES, OR IMPROVED DITCHES, CHANNELS OR CANALS IN SUCH A MANNER AS TO CAUSE FLOODING WHERE IT WOULD NOT OTHERWISE OCCUR.
 - CONSTRUCTION EQUIPMENT AND FENCING SHALL BE KEPT OUT OF WATERCOURSES EXCEPT WHEN NECESSARY TO PERFORM WORK ON THE APPROVED PLANS. ADEQUATE BY-PASS MEASURES SHALL BE INSTALLED WHERE TEMPORARY DRAINAGE BLOCKAGES WILL OCCUR, WHERE WORK WITHIN A CHANNEL IS DESIGNATED ON APPROVED PLANS. PRECAUTIONS SHALL BE TAKEN TO STABILIZE THE WORK AREA DURING CONSTRUCTION TO MINIMIZE EROSION AS SHOWN ON THE PLANS. THE CHANNEL INCLUDING BED AND BANKS, SHALL ALWAYS BE RESTORED/RESTABILIZED IMMEDIATELY AFTER WORK IN THE CHANNEL IS COMPLETED.
 - WHERE A DRAINAGE WAY WILL BE CROSSED BY CONSTRUCTION VEHICLES REGULARLY DURING CONSTRUCTION, A TEMPORARY CROSSING SHALL BE CONSTRUCTED AS REQUIRED IN THE APPROVED GRADING PLANS.
 - MATERIAL STOCKPILING SHALL NOT BE ALLOWED WHEN GRADING OPERATIONS ARE IDLE FOR MORE THAN SEVEN CONSECUTIVE CALENDAR DAYS. STOCKPILING SHALL BE LIMITED TO TEN FEET HIGH WHEN GRADING OPERATIONS ARE BEING CONDUCTED.
 - A TRAFFIC CONTROL PERMIT SHALL BE REQUIRED IF THE GRADING OPERATION WILL IMPACT TRAFFIC.
 - ANY USE OF VIBRATORY EQUIPMENT SHALL NOT BE ALLOWED, UNLESS APPROVED IN WRITING BY THE PERMIT OFFICIAL IN ADVANCE OF SUCH USE.
 - THE PERMIT OFFICIAL MUST BE NOTIFIED NO LATER THAN 4:00 PM THE DAY IN ADVANCE OF ANY GRADING WORK. ADDITIONAL ACTIVITY
- REQUIREMENTS/RESTRICTIONS MAY BE SPECIFIED BY THE DESIGN ENGINEER OF RECORD.

NOTE:
ALL INFORMATION SHOWN HEREON WITH RESPECT TO UNDERGROUND CONDITIONS WAS DETERMINED BY DATA COLLECTED THROUGH SURVEY CREW OBSERVATION AND OTHER INFORMATION TAKEN FROM EXISTING PLANS AND MAPS OF RECORD. NO UNDERGROUND UTILITIES EXISTING OR ABANDONED WERE EXPOSED OR LOCATED.

UNLESS SPECIFICALLY ACCEPTED BY SLI ENGINEERING, INC. IN WRITING, SLI ENGINEERING, INC. MAKES NO CLAIM, EXPRESSED OR IMPLIED, AS TO THE UNDERGROUND SITE CONDITIONS.

ABBREVIATIONS

TC	= TOP OF CURB	PL	= PROPERTY LINE
SW	= TOP OF WALK	HP	= HIGH POINT
P	= TOP OF PAVEMENT	CHF	= CHAIN-LINK FENCE
EXIST.	= EXISTING	TR	= TREE
RW	= ROCKWALL	P.O.B.	= POINT OF BEGINNING
ELEV.	= ELEVATION	C.M.	= CITY MONUMENT
F.F.	= FINISH FLOOR	TYP.	= TYPICAL
BLDG.	= BUILDING	R.O.W.	= RIGHT OF WAY
DESC.	= DESCRIPTION	SHT	= SHEET
PAV.	= PAVEMENT	RD.	= ROAD
CS	= CONCRETE SLAB	ST.	= STREET
N	= NORTH	PL	= PLACE
E	= EAST	CL	= CENTER LINE
S	= SOUTH	EC	= EDGE OF CONCRETE
W	= WEST	NG	= NATURAL GROUND
EP	= EDGE OF PAVEMENT	DW	= DRIVEWAY
PP	= POWER POLE	G	= GUTTER ELEVATION
F.H.	= FIRE HYDRANT	I	= ISLAND
L.P.	= LIGHT POLE	TS	= TRAFFIC SIGN
PC	= PROPERTY CORNER	EB	= ELECTRIC BOX
HP	= HIGH POINT	LS	= LANDSCAPING
L.O.C.	= LIMITS OF CONSTRUCTION	HC	= HANDICAPPED
FL	= TOP OF FLUME/SWALE	FG	= FINISH GROUND
N.O.I.	= NOTICE OF INTENT	TE	= TOP ELEVATION
NRCC	= TEXAS NATURAL RESOURCE CONSERVATION COMMISSION	INV	= INVERT ELEVATION
SDPCP	= STORM DRAIN POLLUTION CONTROL PLAN	TW	= TOP OF WALL
		PAV.	= PAVERS
		FC	= FLAT CURB



IMPORTANT DRAINAGE NOTE
ALL NEW IMPROVEMENTS WILL BE LOCATED OVER EXISTING DEVELOPED AREAS, NO ADDITIONAL RUNOFF WILL BE EXPECTED.

NOTE:

ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S. AND CITY OF EL PASO REQUIREMENTS. EXISTING INFRASTRUCTURE NOT COMPLYING SHALL BE REMOVED AND REPLACED TO MEET STANDARDS.



NOTES FOR GRADING

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "2014 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES," (APPLICABLE ITEMS ONLY).
 - ALL FILL AREAS SHALL BE COMPACTED TO 95% DENSITY, (ASTM D-1557).
 - REFER TO THE CITY OF EL PASO GRADING ORDINANCE CHAPTER 18.44 FOR SITE GRADING SPECIFICATIONS. GRADING PERMIT MUST BE AVAILABLE AT THE JOB SITE UPON COMMENCEMENT OF WORK.
 - POSITIVE DRAINAGE SHALL BE PROVIDED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION AND GRADING. THE CONTRACTOR SHALL NOT ALLOW DEBRIS OR SEDIMENT TO SPILL ONTO THE PUBLIC STREETS OR ADJOINING PROPERTIES.
 - CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITY LINES (SHOWN OR NOT SHOWN) WITHIN THE SCOPE OF CONSTRUCTION. THE CONTRACTOR MUST NOTIFY THE RESPECTIVE AGENCY PRIOR TO MOVING ON SITE, SO THE EXISTING UTILITY LINES CAN BE LOCATED IN THE FIELD. IF ANY LINES ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN EXPENSE.
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS ON SITE AND SHALL CONTACT THE DESIGN ENGINEER AND REPORT ANY DISCREPANCIES, OMISSIONS, AND ERRORS ON PLANS PRIOR TO COMMENCING OR CONTINUING WORK.
- "CAUTION TO CONTRACTOR"**
- LOCATE AND PROTECT FROM DAMAGE ALL UTILITY LINES WITHIN THE CONSTRUCTION AREA.
 - GRADING, SWPPP, AND N.O.I. PERMITS REQUIRED BEFORE MOVING ON SITE.
 - ALL RAMPS SHALL HAVE A MAX. OF 1:12 SLOPE AND ALL SIDEWALKS SHALL HAVE A MAX. OF 2% CROSS SLOPE. ALL ACCESSIBLE PARKING SPACES SHALL HAVE A MAX. OF 2% (LONGITUDINAL OR CROSS SLOPE). ALL ACCESSIBLE ROUTES SHALL HAVE A MAX. OF 5% SLOPE.
- PERMIT CLOSEOUT PROCEDURES (18.44.226)
- AFTER THE PERMITTEE COMPLETES THE GRADING UNDER THE PERMIT, THE PERMIT SHALL BE CLOSED. AS PART OF THE CLOSEOUT PROCEDURE, THE APPLICANT MUST SUBMIT THE FOLLOWING TO THE CITY:
 - A STATEMENT FROM THE ENGINEER OF RECORD THAT STATES "THE GRADING OPERATION HAS BEEN SUBSTANTIALLY COMPLETED AND GENERALLY CONFORMS TO THE APPROVED SET OF PLANS." THE PERMITTEE SHALL CALL THE PERMIT OFFICIAL TO ESTABLISH THE BEGINNING OF THE WARRANTY PERIOD AND TO NOTIFY THE PERMIT OFFICIAL THAT THE GSP HAS BEEN IMPLEMENTED.
 - A COPY OF THE NOTICE OF TERMINATION FILED WITH THE STATE OR DATED CONSTRUCTION SITE NOTICE, IF APPLICABLE, IN ACCORDANCE WITH CHAPTER 15.
- THE CITY WILL ISSUE A LETTER STATING GENERAL CONFORMANCE TO THE PERMIT HAS BEEN MET AND THAT THE WARRANTY PERIOD REQUIREMENTS WILL BE IN EFFECT.
(ORDINANCE NO. 17516, § 1, 3-29-2011)
- WARRANTY (18.44.090)
- ANY PERSON ISSUED A PERMIT SHALL AGREE, WARRANT AND MAINTAIN THE AREA DESCRIBED IN THE PERMIT FOR A PERIOD OF TWO YEARS AFTER THE PERMIT IS CLOSED BY THE CITY PURSUANT TO SECTION 18.44.220, OR UNTIL A BUILDING PERMIT IS ISSUED FOR THE PURPOSE OF MAINTAINING A STABILIZED SITE IN ACCORDANCE WITH THE APPROVED GSP, WHICHEVER FIRST OCCURS (THE "WARRANTY" OR "WARRANTY PERIOD"). THE CITY MAY CONDUCT INSPECTIONS OF THE PERMITTED AREA THROUGHOUT THE WARRANTY PERIOD AND REQUIRE MAINTENANCE AND CORRECTION OF THE WORK BY THE PERMIT HOLDER. FAILURE OF THE PERMIT HOLDER TO CORRECT THE WORK SHALL CONSTITUTE A FAILURE TO COMPLY WITH THE PROVISIONS OF THIS CHAPTER.
(ORDINANCE NO. 17516, § 1, 3-29-2011)

EROSION CONTROL:

- WIND EROSION CONTROL: WATERING DURING AND AFTER COMPLETION OF SITE GRADING, THE PROJECT AREA SHALL BE COMPLETELY WATERED AS NEEDED TO CONTROL WIND EROSION OR AS DIRECTED BY THE CITY ENGINEER.
- THE CONTRACTOR SHALL CLEAN UP ANY DIRT OR DEBRIS THAT IS SPILLED ON THE EXISTING PUBLIC ROADWAY AS A RESULT OF THIS CONSTRUCTION PROJECT. CLEAN UP IS TO BE DONE ON A REGULAR BASIS OR AS DIRECTED BY THE CITY ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SLOPES IN GOOD CONDITION AND PROTECTING THEM FROM EROSION UNTIL THE FINAL LANDSCAPING ELEMENTS ARE IN PLACE.

FLOOD ZONE:

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 480214 0024 B, DATED OCTOBER 15, 1982 THIS PROPERTY LIES IN FLOOD ZONE "C".

ZONE "C", AREAS OF MINIMAL FLOODING (NO SHADING).

DUE TO INHERENT INACCURACIES OF FEMA OR FLOOD INSURANCE RATE MAPS THIS SURVEYOR DOES NOT CERTIFY TO THE ACCURACY OF LOCATIONS BASED ON SUCH MAPS. THIS FLOOD STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR.

LEGAL DESCRIPTION

LOTS 86 TO 89, BLOCK 2, SUNRISE ACRES
EL PASO, EL PASO COUNTY, TEXAS,
CONTAINING 143,345 Sq. Ft. (3.2907 Acres) +/-

BENCHMARK:

EXISTING CITY MONUMENT LYING AT THE CENTERLINE INTERSECTION OF TITANIC AVE. AND PANDORA ST.
ELEVATION: 3874.01' CITY DATUM

IMPORTANT CONSTRUCTION NOTE

VIBRATORY ROLLERS WILL BE NOT ALLOWED DURING CONSTRUCTION.

DEMOLITION NOTE

FOR DEMOLITION PLANS AND NOTES SEE ARCHITECTURAL / LANDSCAPE PLANS.



SITES
SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



MAY 28, 2019
SLI Project No. 09-19-4314

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority of the City of El Paso

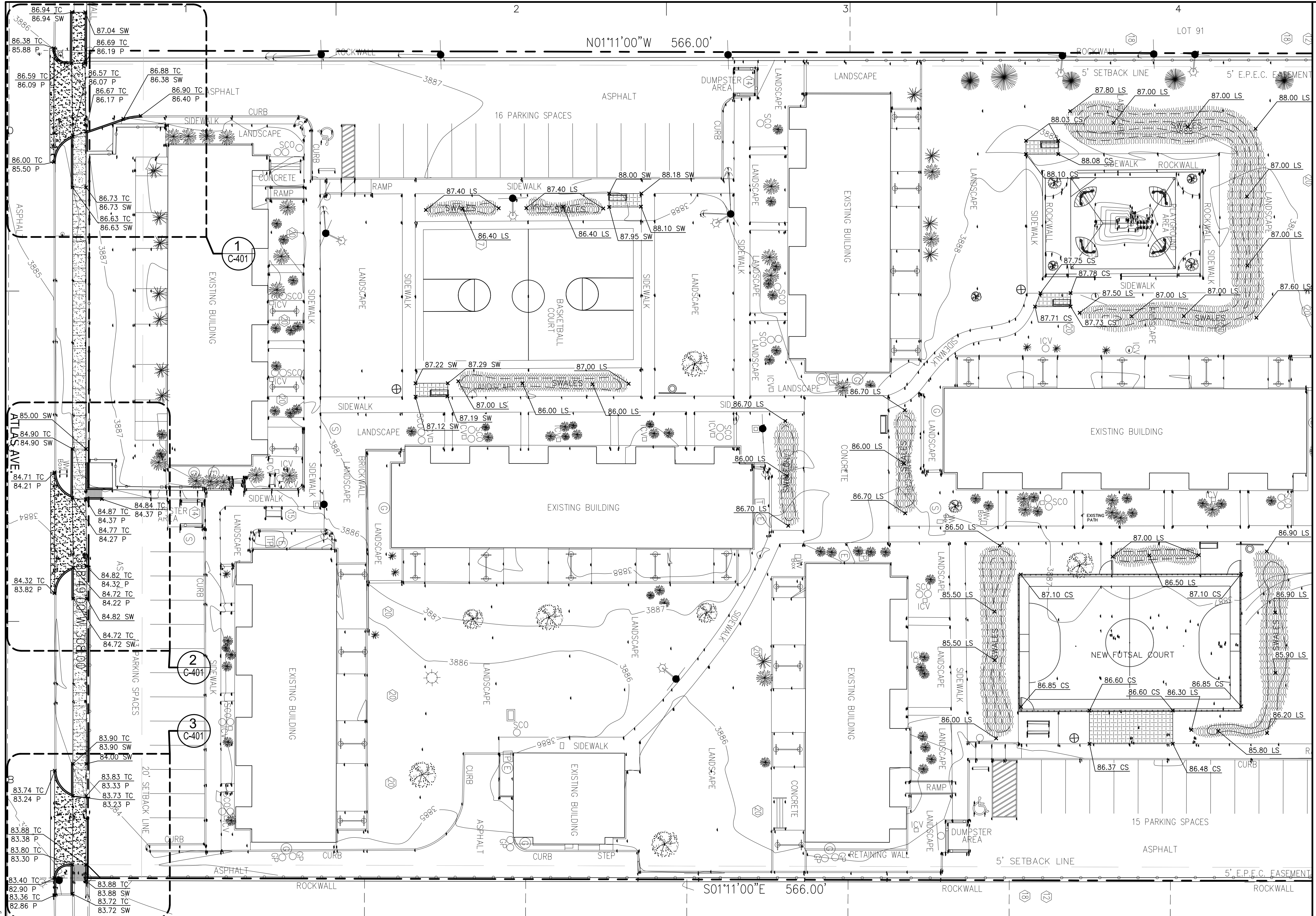
FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
CAD DWG FILE: C-100 ABH GRADING.DWG
DRAWN BY: F.E.
CHK'D BY: F.E./G.H.
ISSUE DATE: 05/28/2019
COPYRIGHT: SLI Engineering, Inc.

OVERALL GRADING PLAN - BAIRD

C-102



NOTES FOR GRADING

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "2014 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES," (APPLICABLE ITEMS ONLY).
 - ALL FILL AREAS SHALL BE COMPACTED TO 95% DENSITY, (ASTM D-1557).
 - REFER TO THE CITY OF EL PASO GRADING ORDINANCE CHAPTER 18.44 FOR SITE GRADING SPECIFICATIONS. GRADING PERMIT MUST BE AVAILABLE AT THE JOB SITE UPON COMMENCEMENT OF WORK.
 - POSITIVE DRAINAGE SHALL BE PROVIDED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION AND GRADING. THE CONTRACTOR SHALL NOT ALLOW DEBRIS OR SEDIMENT TO SPILL ONTO THE PUBLIC STREETS OR ADJOINING PROPERTIES.
 - CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITY LINES (SHOWN OR NOT SHOWN) WITHIN THE SCOPE OF CONSTRUCTION. THE CONTRACTOR MUST NOTIFY THE RESPECTIVE AGENCY PRIOR TO MOVING ON SITE, SO THE EXISTING UTILITY LINES CAN BE LOCATED IN THE FIELD. IF ANY LINES ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN EXPENSE.
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS ON SITE AND SHALL CONTACT THE DESIGN ENGINEER AND REPORT ANY DISCREPANCIES, OMISSIONS, AND ERRORS ON PLANS PRIOR TO COMMENCING OR CONTINUING WORK.
- "CAUTION TO CONTRACTOR"**
- LOCATE AND PROTECT FROM DAMAGE ALL UTILITY LINES WITHIN THE CONSTRUCTION AREA.
 - GRADING, SWPPP, AND N.O.I. PERMITS REQUIRED BEFORE MOVING ON SITE.
 - ALL RAMP SHALL HAVE A MAX. OF 1:12 SLOPE AND ALL SIDEWALKS SHALL HAVE A MAX. OF 2% CROSS SLOPE. ALL ACCESSIBLE PARKING SPACES SHALL HAVE A MAX. OF 2% (LONGITUDINAL OR CROSS SLOPE) ALL ACCESSIBLE ROUTES SHALL HAVE A MAX. OF 5% SLOPE.
- PERMIT CLOSEOUT PROCEDURES (18.44.226)
- AFTER THE PERMITTEE COMPLETES THE GRADING UNDER THE PERMIT. THE PERMIT SHALL BE CLOSED. AS PART OF THE CLOSEOUT PROCEDURE, THE APPLICANT MUST SUBMIT THE FOLLOWING TO THE CITY:
 - A STATEMENT FROM THE ENGINEER OF RECORD THAT STATES "THE GRADING OPERATION HAS BEEN SUBSTANTIALLY COMPLETED AND GENERALLY CONFORMS TO THE APPROVED SET OF PLANS." THE PERMITTEE SHALL CALL THE PERMIT OFFICIAL TO ESTABLISH THE BEGINNING OF THE WARRANTY PERIOD AND TO NOTIFY THE PERMIT OFFICIAL THAT THE CSP HAS BEEN IMPLEMENTED.
 - A COPY OF THE NOTICE OF TERMINATION FILED WITH THE STATE OR DATED CONSTRUCTION SITE NOTICE, IF APPLICABLE, IN ACCORDANCE WITH CHAPTER 15.
- THE CITY WILL ISSUE A LETTER STATING GENERAL CONFORMANCE TO THE PERMIT HAS BEEN MET AND THAT THE WARRANTY PERIOD REQUIREMENTS WILL BE IN EFFECT. (ORDINANCE NO. 17516, § 1, 3-29-2011)
- WARRANTY (18.44.090)
- ANY PERSON ISSUED A PERMIT SHALL AGREE, WARRANT AND MAINTAIN THE AREA DESCRIBED IN THE PERMIT FOR A PERIOD OF TWO YEARS AFTER THE PERMIT IS CLOSED BY THE CITY PURSUANT TO SECTION 18.44.220, OR UNTIL A BUILDING PERMIT IS ISSUED FOR THE PURPOSE OF MAINTAINING A STABILIZED SITE IN ACCORDANCE WITH THE APPROVED CSP, WHICHEVER FIRST OCCURS (THE "WARRANTY" OR "WARRANTY PERIOD"). THE CITY MAY CONDUCT INSPECTIONS OF THE PERMITTED AREA THROUGHOUT THE WARRANTY PERIOD AND REQUIRE MAINTENANCE AND CORRECTION OF THE WORK BY THE PERMIT HOLDER. FAILURE OF THE PERMIT HOLDER TO CORRECT THE WORK SHALL CONSTITUTE A FAILURE TO COMPLY WITH THE PROVISIONS OF THIS CHAPTER. (ORDINANCE NO. 17516, § 1, 3-29-2011)

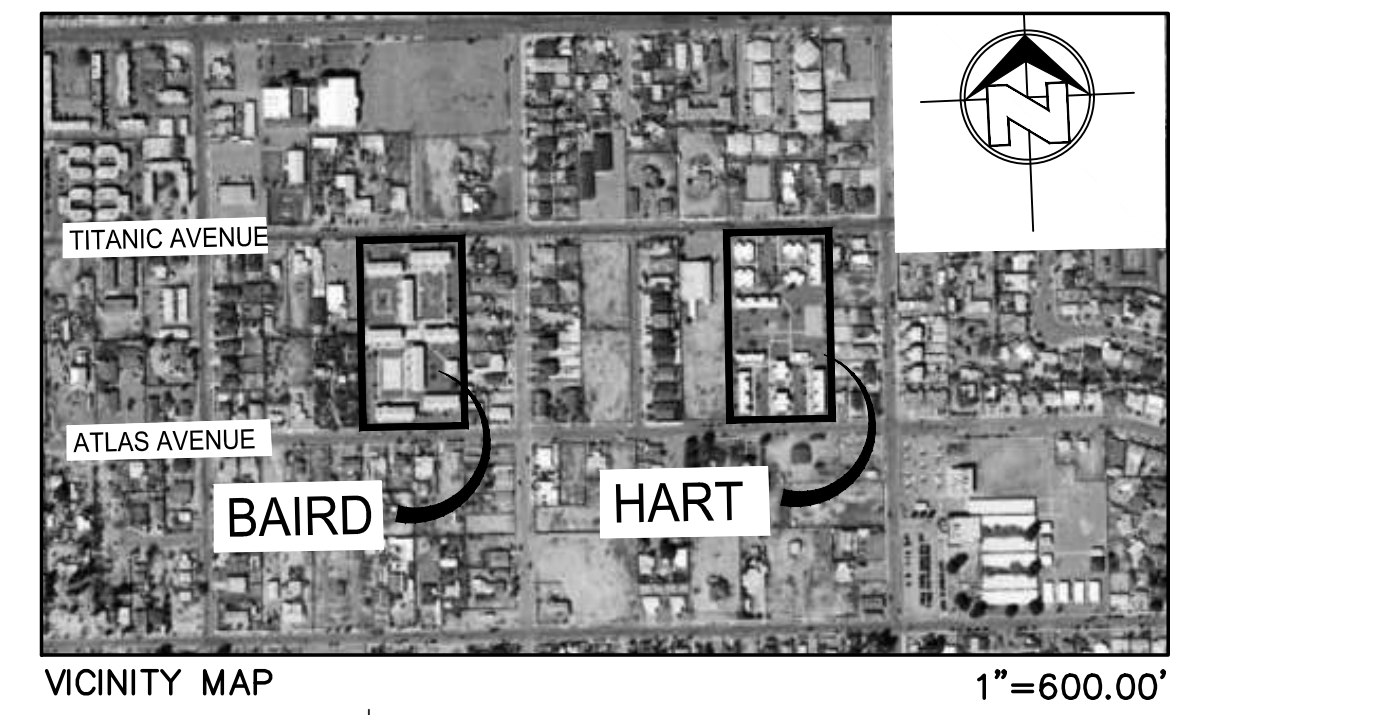
- EROSION CONTROL:**
- WIND EROSION CONTROL: WATERING DURING AND AFTER COMPLETION OF SITE GRADING. THE PROJECT AREA SHALL BE COMPLETELY WATERED AS NEEDED TO CONTROL WIND EROSION OR AS DIRECTED BY THE CITY ENGINEER.
 - THE CONTRACTOR SHALL CLEAN UP ANY DIRT OR DEBRIS THAT IS SPILLED ON THE EXISTING PUBLIC ROADWAY AS A RESULT OF THIS CONSTRUCTION PROJECT. CLEAN UP IS TO BE DONE ON A REGULAR BASIS OR AS DIRECTED BY THE CITY ENGINEER.
 - THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SLOPES IN GOOD CONDITION AND PROTECTING THEM FROM EROSION UNTIL THE FINAL LANDSCAPING ELEMENTS ARE IN PLACE.
- FLOOD ZONE:**
- ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 480214 0024 B, DATED OCTOBER 15, 1982 THIS PROPERTY LIES IN FLOOD ZONE "C".
- ZONE "C", AREAS OF MINIMAL FLOODING (NO SHADING).
- DUE TO INHERENT INACCURACIES OF FEMA OR FLOOD INSURANCE RATE MAPS THIS SURVEYOR DOES NOT CERTIFY TO THE ACCURACY OF LOCATIONS BASED ON SUCH MAPS. THIS FLOOD STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR.

- LEGAL DESCRIPTION**
- LOTS 86 TO 89, BLOCK 2, SUNRISE ACRES EL PASO, EL PASO COUNTY, TEXAS, CONTAINING 143,345 Sq. Ft. (3.2907 Acres) +/-
- BENCHMARK:**
- EXISTING CITY MONUMENT LYING AT THE CENTERLINE INTERSECTION OF TITANIC AVE. AND PANDORA ST. ELEVATION: 3874.01' CITY DATUM
- IMPORTANT CONSTRUCTION NOTE**
- VIBRATORY ROLLERS WILL BE NOT ALLOWED DURING CONSTRUCTION.
- DEMOLITION NOTE**
- FOR DEMOLITION PLANS AND NOTES SEE ARCHITECTURAL / LANDSCAPE PLANS.

LEGEND

32.20FG	NEW FG ELEV. (GROUND)
32.20SW	NEW SIDEWALK ELEV.(CONCRETE)
32.20P	NEW FG ELEV. (PAVEMENT)
32.20G	NEW FG ELEV. (GUTTER)
32.20TC	NEW FG ELEV. (TOP OF CURB)
32.20CS	NEW FG ELEV. (CONCRETE SLAB)
32.20TW	NEW FG ELEV. (TOP OF WALL)
32.20PV	NEW FG ELEV. (TOP OF PAVERS)
32.20LS	NEW FG ELEV. (LANDSCAPE)
3732.2 X	EXISTING GROUND (SPOT ELEV.)
32.00	PROPOSED FG (CONTOUR)
FF=30.39	FINISHED BUILDING FLOOR ELEVATION
3732	EXISTING GROUND (CONTOUR)
◆	HIGH POINT
L.O.C.	LIMITS OF CONSTRUCTION

IMPORTANT DRAINAGE NOTE
 ALL NEW IMPROVEMENTS WILL BE LOCATED OVER EXISTING DEVELOPED AREAS, NO ADDITIONAL RUNOFF WILL BE EXPECTED.



GENERAL CIVIL INDEX

C-100	OVERALL PROJECT
C-101	ENLARGED GRADING PLAN ATLAS
C-102	OVERALL GRADING PLAN BAIRD
C-103	ENLARGED GRADING PLAN BAIRD
C-104	OVERALL GRADING PLAN HART
C-105	ENLARGED GRADING PLAN HART
C-200	NOT USED
C-300	NOT USED
C-400	NOT USED
C-401	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS BAIRD
C-402	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS HART
C-500	STANDARD DETAILS
C-600	NOT USED
C-700	NOT USED
C-800	NOT USED
C-900	DRIVEWAY ISOMETRIC
SWPPP-101	STORM WATER POLLUTION PREVENTION PLAN ATLAS
SWPPP-102	STORM WATER POLLUTION PREVENTION PLAN BAIRD
SWPPP-103	STORM WATER POLLUTION PREVENTION PLAN HART
SWPPN-104	STORM WATER POLLUTION PREVENTION NOTES ATLAS
SWPPN-105	STORM WATER POLLUTION PREVENTION NOTES BAIRD
SWPPN-106	STORM WATER POLLUTION PREVENTION NOTES HART
SWPPD-500	STORM WATER POLLUTION PREVENTION DETAILS

1 ENLARGED GRADING PLAN
 SCALE: 1"=20'-0"

NOTE:
 ALL INFORMATION SHOWN HEREON WITH RESPECT TO UNDERGROUND CONDITIONS WAS DETERMINED BY DATA COLLECTED THROUGH SURVEY CREW OBSERVATION AND OTHER INFORMATION TAKEN FROM EXISTING PLANS AND MAPS OF RECORD. NO UNDERGROUND UTILITIES EXISTING OR ABANDONED WERE EXPOSED OR LOCATED.

UNLESS SPECIFICALLY ACCEPTED BY SLI ENGINEERING, INC. IN WRITING, SLI ENGINEERING, INC. MAKES NO CLAIM, EXPRESSED OR IMPLIED, AS TO THE UNDERGROUND SITE CONDITIONS.

NOTE:
 ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S. AND CITY OF EL PASO REQUIREMENTS, EXISTING INFRASTRUCTURE NOT COMPLYING SHALL BE REMOVED AND REPLACED TO MEET STANDARDS.

811
 Know what's below. Call before you dig.
 Call 811 TWO Working days Before you dig
 It's Free, It's Easy, and IT'S THE LAW!

SCALE: 1"=20'



4110 RIO BRAVO, SUITE 217
 EL PASO, TX 79902
 PHONE: 915-351-8800
 E-MAIL: mail@sites-sw.com
 WEB: www.sites-sw.com



MAY 28, 2019
 SLI Project No. 09-19-4314

PROJECT
 CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
 4861 ATLAS AVE.
 EL PASO, TX 79904 (HART)
 4747 ATLAS AVE.
 EL PASO, TX 79904 (BAIRD)



Housing Authority of the City of El Paso

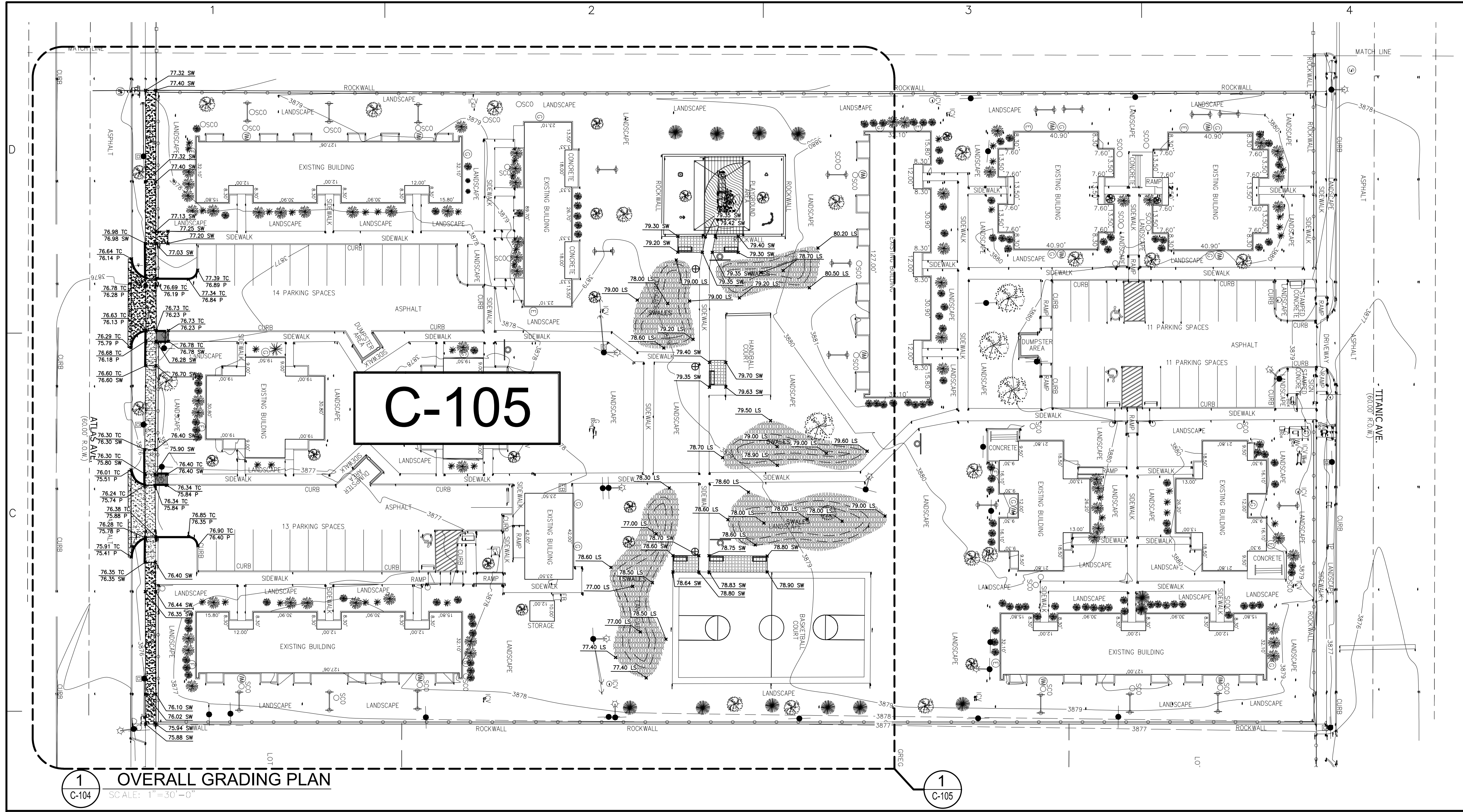
REVISIONS FOR CONSTRUCTION

MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
 CAD DWG FILE: C-100 ABH GRADING.DWG
 DRAWN BY: F.E.
 CHK'D BY: F.E./G.H.
 ISSUE DATE: 05/28/2019
 COPYRIGHT: SLI Engineering, Inc.

ENLARGED GRADING PLAN BAIRD C-103

SHEET 4 OF 19



- NOTES FOR GRADING
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "2014 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES," (APPLICABLE ITEMS ONLY).
 - ALL FILL AREAS SHALL BE COMPACTED TO 95% DENSITY, (ASTM D-1557).
 - REFER TO THE CITY OF EL PASO GRADING ORDINANCE CHAPTER 18.44 FOR SITE GRADING SPECIFICATIONS. GRADING PERMIT MUST BE AVAILABLE AT THE JOB SITE UPON COMMENCEMENT OF WORK.
 - POSITIVE DRAINAGE SHALL BE PROVIDED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION AND GRADING. THE CONTRACTOR SHALL NOT ALLOW DEBRIS OR SEDIMENT TO SPILL ONTO THE PUBLIC STREETS OR ADJOINING PROPERTIES.
 - CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITY LINES (SHOWN OR NOT SHOWN) WITHIN THE SCOPE OF CONSTRUCTION. THE CONTRACTOR MUST NOTIFY THE RESPECTIVE AGENCY PRIOR TO MOVING ON SITE, SO THE EXISTING UTILITY LINES CAN BE LOCATED IN THE FIELD. IF ANY LINES ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN EXPENSE.
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS ON SITE AND SHALL CONTACT THE DESIGN ENGINEER AND REPORT ANY DISCREPANCIES, OMISSIONS, AND ERRORS ON PLANS PRIOR TO COMMENCING OR CONTINUING WORK.
- "CAUTION TO CONTRACTOR"**
- LOCATE AND PROTECT FROM DAMAGE ALL UTILITY LINES WITHIN THE CONSTRUCTION AREA.
 - GRADING, SWPPP, AND N.O.I. PERMITS REQUIRED BEFORE MOVING ON SITE.
 - ALL RAMP SHALL HAVE A MAX. OF 1:12 SLOPE AND ALL SIDEWALKS SHALL HAVE A MAX. OF 2% CROSS SLOPE. ALL ACCESSIBLE PARKING SPACES SHALL HAVE A MAX. OF 2% (LONGITUDINAL OR CROSS SLOPE). ALL ACCESSIBLE ROUTES SHALL HAVE A MAX. OF 5% SLOPE.
- PERMIT CLOSEOUT PROCEDURES (18.44.226)
- AFTER THE PERMITEE COMPLETES THE GRADING UNDER THE PERMIT, THE PERMIT SHALL BE CLOSED. AS PART OF THE CLOSEOUT PROCEDURE, THE APPLICANT MUST SUBMIT THE FOLLOWING TO THE CITY:
 - A STATEMENT FROM THE ENGINEER OF RECORD THAT STATES "THE GRADING OPERATION HAS BEEN SUBSTANTIALLY COMPLETED AND GENERALLY CONFORMS TO THE APPROVED SET OF PLANS." THE PERMITEE SHALL CALL THE PERMIT OFFICIAL TO ESTABLISH THE BEGINNING OF THE WARRANTY PERIOD AND TO NOTIFY THE PERMIT OFFICIAL THAT THE GSP HAS BEEN IMPLEMENTED.
 - A COPY OF THE NOTICE OF TERMINATION FILED WITH THE STATE OR DATED CONSTRUCTION SITE NOTICE, IF APPLICABLE, IN ACCORDANCE WITH CHAPTER 15.
- THE CITY WILL ISSUE A LETTER STATING GENERAL CONFORMANCE TO THE PERMIT HAS BEEN MET AND THAT THE WARRANTY PERIOD REQUIREMENTS WILL BE IN EFFECT. (ORDINANCE NO. 17516, § 1, 3-29-2011)
- WARRANTY (18.44.090)
- ANY PERSON ISSUED A PERMIT SHALL AGREE, WARRANT AND MAINTAIN THE AREA DESCRIBED IN THE PERMIT FOR A PERIOD OF TWO YEARS AFTER THE PERMIT IS CLOSED BY THE CITY PURSUANT TO SECTION 18.44.220, OR UNTIL A BUILDING PERMIT IS ISSUED FOR THE PURPOSE OF MAINTAINING A STABILIZED SITE IN ACCORDANCE WITH THE APPROVED GSP, WHICHEVER FIRST OCCURS (THE "WARRANTY" OR "WARRANTY PERIOD"). THE CITY MAY CONDUCT INSPECTIONS OF THE PERMITTED AREA THROUGHOUT THE WARRANTY PERIOD AND REQUIRE MAINTENANCE AND CORRECTION OF THE WORK BY THE PERMIT HOLDER. FAILURE OF THE PERMIT HOLDER TO CORRECT THE WORK SHALL CONSTITUTE A FAILURE TO COMPLY WITH THE PROVISIONS OF THIS CHAPTER. (ORDINANCE NO. 17516, § 1, 3-29-2011)

LEGEND

32.20FG	NEW FG ELEV. (GROUND)
32.20SW	NEW SIDEWALK ELEV.(CONCRETE)
32.20P	NEW FG ELEV. (PAVEMENT)
32.20G	NEW FG ELEV. (GUTTER)
32.20TC	NEW FG ELEV. (TOP OF CURB)
32.20CS	NEW FG ELEV. (CONCRETE SLAB)
32.20PW	NEW FG ELEV. (TOP OF WALL)
32.20PV	NEW FG ELEV. (TOP OF PAVERS)
32.20LS	NEW FG ELEV. (LANDSCAPE)
37.32.2 X	EXISTING GROUND (SPOT ELEV.)
37.32.0	PROPOSED FG (CONTOUR)
FF=30.39	FINISHED BUILDING FLOOR ELEVATION
37.32	EXISTING GROUND (CONTOUR)
HP	HIGH POINT
L.O.C.	LIMITS OF CONSTRUCTION

GENERAL CIVIL INDEX

C-100	OVERALL PROJECT
C-101	ENLARGED GRADING PLAN ATLAS
C-102	OVERALL GRADING PLAN BAIRD
C-103	ENLARGED GRADING PLAN BAIRD
C-104	OVERALL GRADING PLAN HART
C-105	ENLARGED GRADING PLAN HART
C-200	NOT USED
C-300	SECTIONS PLAN
C-400	LARGE-SCALE TRANSITIONAL SIDEWALKS ATLAS
C-401	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS BAIRD
C-402	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS HART
C-500	STANDARD DETAILS
C-600	NOT USED
C-700	NOT USED
C-800	NOT USED
C-900	DRIVEWAY ISOMETRIC
SWPPP-101	STORM WATER POLLUTION PREVENTION PLAN ATLAS
SWPPP-102	STORM WATER POLLUTION PREVENTION PLAN BAIRD
SWPPP-103	STORM WATER POLLUTION PREVENTION PLAN HART
SWPPP-104	STORM WATER POLLUTION PREVENTION NOTES ATLAS
SWPPP-105	STORM WATER POLLUTION PREVENTION NOTES BAIRD
SWPPP-106	STORM WATER POLLUTION PREVENTION NOTES HART
SWPPP-500	STORM WATER POLLUTION PREVENTION DETAILS

18.44.200- ENGINEERING CONTROLS FOR GRADING. CONSTRUCTION ACTIVITY REQUIREMENTS.

THE FOLLOWING OPERATIONAL GUIDELINES MUST BE FOLLOWED DURING THE GRADING OF THE SITE. THEY ARE REQUIRED TO BE INCLUDED AS "GENERAL NOTES" ON THE APPROVED GRADING PLAN.

- NO ON-SITE PROCESSING OF MATERIAL FOR COMMERCIAL OR RETAIL SALES SHALL BE ALLOWED. ON-SITE PROCESSING OF MATERIALS TO BE USED FOR PREPARATION OR CONSTRUCTION OF IMPROVEMENTS WITHIN THE SITE COVERED BY THE GRADING PERMIT SHALL BE ALLOWED.
- WORK SHALL BE CONDUCTED IN A MANNER THAT PRESERVES AND DOES NOT OBSTRUCT, IMPEDE OR INTERFERE WITH THE FLOW OF STORMWATER IN NATURAL DRAINAGE WAYS, UNIMPROVED CHANNELS OR WATERCOURSES, OR IMPROVED DITCHES, CHANNELS OR CANALS IN SUCH A MANNER AS TO CAUSE FLOODING WHERE IT WOULD NOT OTHERWISE OCCUR.
- CONSTRUCTION EQUIPMENT AND FENCING SHALL BE KEPT OUT OF WATERCOURSES EXCEPT WHEN NECESSARY TO PERFORM WORK ON THE APPROVED PLANS. ADEQUATE BY-BASS MEASURES SHALL BE INSTALLED WHERE TEMPORARY DRAINAGE BLOCKAGES WILL OCCUR. WHERE WORK WITHIN A CHANNEL IS DESIGNATED ON APPROVED PLANS, PRECAUTIONS SHALL BE TAKEN TO STABILIZE THE WORK AREA DURING CONSTRUCTION TO MINIMIZE EROSION AS SHOWN ON THE PLANS. THE CHANNEL INCLUDING BED AND BANKS, SHALL ALWAYS BE RESTORED/REESTABLISHED IMMEDIATELY AFTER WORK IN THE CHANNEL IS COMPLETED.
- WHERE A DRAINAGE WAY WILL BE CROSSED BY CONSTRUCTION VEHICLES REGULARLY DURING CONSTRUCTION, A TEMPORARY CROSSING SHALL BE CONSTRUCTED AS REQUIRED IN THE APPROVED GRADING PLANS.
- MATERIAL STOCKPILING SHALL NOT BE ALLOWED WHEN GRADING OPERATIONS ARE IDLE FOR MORE THAN SEVEN CONSECUTIVE CALENDAR DAYS. STOCKPILING SHALL BE LIMITED TO TEN FEET HIGH WHEN GRADING OPERATIONS ARE BEING CONDUCTED.
- A TRAFFIC CONTROL PERMIT SHALL BE REQUIRED IF THE GRADING OPERATION WILL IMPACT TRAFFIC.
- ANY USE OF VIBRATORY EQUIPMENT SHALL NOT BE ALLOWED, UNLESS APPROVED IN WRITING BY THE PERMIT OFFICIAL IN ADVANCE OF SUCH USE.
- THE PERMIT OFFICIAL MUST BE NOTIFIED NO LATER THAN 4:00 PM THE DAY IN ADVANCE OF ANY GRADING WORK. ADDITIONAL ACTIVITY

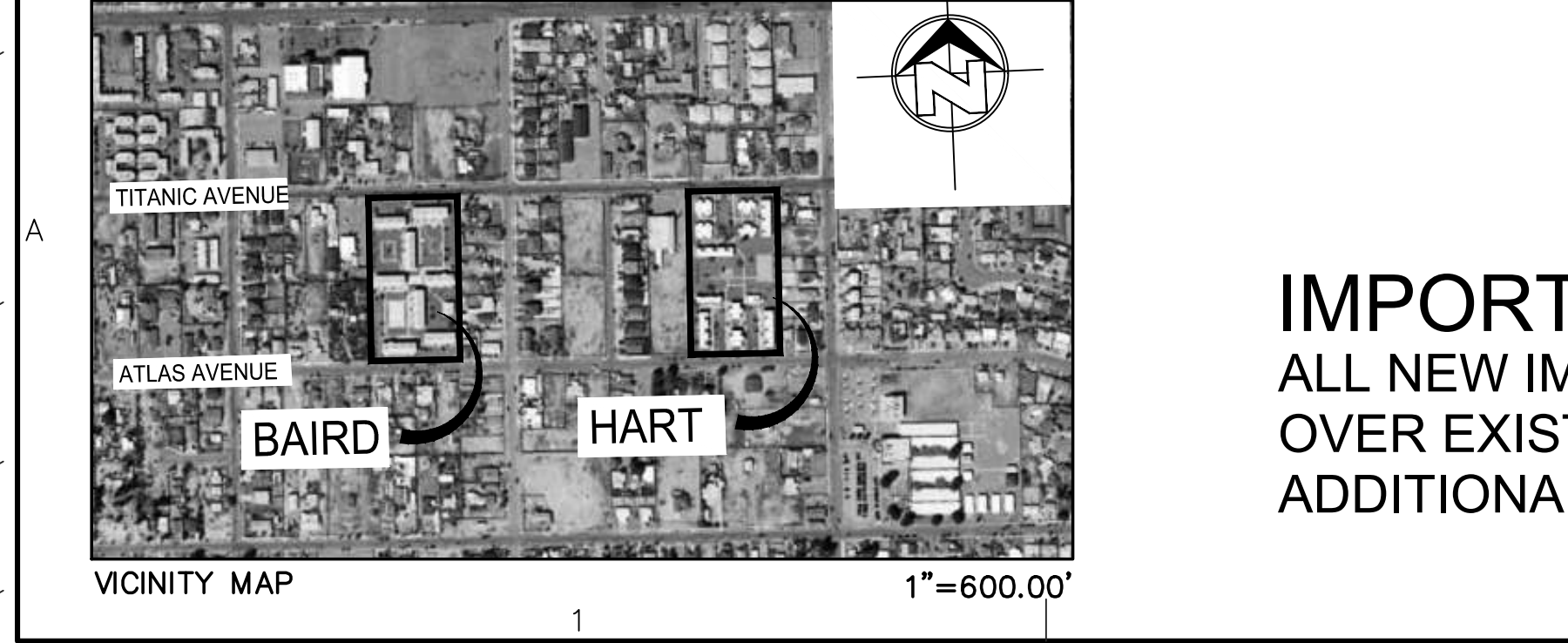
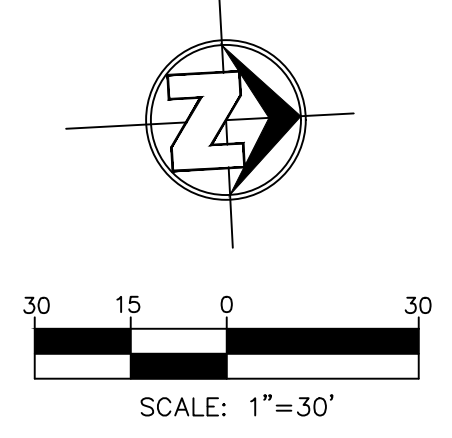
REQUIREMENTS/RESTRICTIONS MAY BE SPECIFIED BY THE DESIGN ENGINEER OF RECORD.

NOTE: ALL INFORMATION SHOWN HEREON WITH RESPECT TO UNDERGROUND CONDITIONS WAS DETERMINED BY DATA COLLECTED THROUGH SURVEY CREW OBSERVATION AND OTHER INFORMATION TAKEN FROM EXISTING PLANS AND MAPS OF RECORD. NO UNDERGROUND UTILITIES EXISTING OR ABANDONED WERE EXPOSED OR LOCATED.

UNLESS SPECIFICALLY ACCEPTED BY SLI ENGINEERING, INC. IN WRITING, SLI ENGINEERING, INC. MAKES NO CLAIM, EXPRESSED OR IMPLIED, AS TO THE UNDERGROUND SITE CONDITIONS.

ABBREVIATIONS

TC	= TOP OF CURB	PL	= PROPERTY LINE
SW	= TOP OF WALK	HP	= HIGH POINT
P	= TOP OF PAVEMENT	CF	= CHAIN-LINK FENCE
EXIST.	= EXISTING	TR	= TREE
R/W	= ROCKWALL	P.O.B.	= POINT OF BEGINNING
ELEV.	= ELEVATION	C.M.	= CITY MONUMENT
F.F.	= FINISH FLOOR	TYP.	= TYPICAL
BLDG.	= BUILDING	R.O.W.	= RIGHT OF WAY
DESC.	= DESCRIPTION	SHT	= SHEET
P.W.	= PAVEMENT	RD.	= ROAD
CS	= CONCRETE SLAB	ST.	= STREET
N	= NORTH	PL	= PLACE
E	= EAST	CL	= CENTER LINE
S	= SOUTH	EC	= EDGE OF CONCRETE
W	= WEST	NG	= NATURAL GROUND
EP	= EDGE OF PAVEMENT	DW	= DRIVEWAY
PP	= POWER POLE	G	= GUTTER ELEVATION
F.H.	= FIRE HYDRANT	I	= ISLAND
L.P.	= LIGHT POLE	TS	= TRAFFIC SIGN
PC	= PROPERTY CORNER	EB	= ELECTRIC BOX
HP	= HIGH POINT	LS	= LANDSCAPING
L.O.C.	= LIMITS OF CONSTRUCTION	FG	= FINISH GROUND
FL	= TOP OF FLUME/SWALE	TOP	= TOP ELEVATION
N.O.I.	= NOTICE OF INTENT	INV	= INVERT ELEVATION
TNRCC	= TEXAS NATURAL RESOURCE CONSERVATION COMMISSION	FW	= TOP OF WALL PAVERS
SDPCP	= STORM DRAIN POLLUTION CONTROL PLAN	FC	= FLAT CURB



IMPORTANT DRAINAGE NOTE
ALL NEW IMPROVEMENTS WILL BE LOCATED OVER EXISTING DEVELOPED AREAS, NO ADDITIONAL RUNOFF WILL BE EXPECTED.

NOTE: ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S. AND CITY OF EL PASO REQUIREMENTS. EXISTING INFRASTRUCTURE NOT COMPLYING SHALL BE REMOVED AND REPLACED TO MEET STANDARDS.

811
Know what's below.
Call before you dig.
Call 811 TWO Working days Before you dig
It's Free. It's Easy. It's THE LAW!

EROSION CONTROL:

- WIND EROSION CONTROL: WATERING DURING AND AFTER COMPLETION OF SITE GRADING, THE PROJECT AREA SHALL BE COMPLETELY WATERED AS NEEDED TO CONTROL WIND EROSION OR AS DIRECTED BY THE CITY ENGINEER.
- THE CONTRACTOR SHALL CLEAN UP ANY DIRT OR DEBRIS THAT IS SPILLED ON THE EXISTING PUBLIC ROADWAY AS A RESULT OF THIS CONSTRUCTION PROJECT. CLEAN UP IS TO BE DONE ON A REGULAR BASIS OR AS DIRECTED BY THE CITY ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SLOPES IN GOOD CONDITION AND PROTECTING THEM FROM EROSION UNTIL THE FINAL LANDSCAPING ELEMENTS ARE IN PLACE.

FLOOD ZONE:

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 480214 0024 B, DATED OCTOBER 15, 1982 THIS PROPERTY LIES IN FLOOD ZONE "C".

ZONE "C", AREAS OF MINIMAL FLOODING (NO SHADING).

DUE TO INHERENT INACCURACIES OF FEMA OR FLOOD INSURANCE RATE MAPS THIS SURVEYOR DOES NOT CERTIFY TO THE ACCURACY OF LOCATIONS BASED ON SUCH MAPS. THIS FLOOD STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR.

LEGAL DESCRIPTION

LOTS 72 TO 75, BLOCK 2, SUNRISE ACRES
EL PASO, EL PASO COUNTY, TEXAS.
CONTAINING 175,213 Sq. Ft. (4.0223 Acres) +/-

BENCHMARK:

EXISTING CITY MONUMENT LYING AT THE CENTERLINE INTERSECTION OF TITANIC AVE. AND PANDORA ST.
ELEVATION: 3874.01' CITY DATUM

IMPORTANT CONSTRUCTION NOTE

VIBRATORY ROLLERS WILL BE NOT ALLOWED DURING CONSTRUCTION.

DEMOLITION NOTE

FOR DEMOLITION PLANS AND NOTES SEE ARCHITECTURAL / LANDSCAPE PLANS.

SITES SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS

SLI ENGINEERING, INC.
CIVIL ENGINEERS
LAND SURVEYORS
LAND PLANNERS
6600 WESTWIND DRIVE
EL PASO, TEXAS
(915) 564-4457
SLI LICENSE NO. F-1902

MAY 28, 2019
SLI Project No. 09-19-4314

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)

Housing Authority of the City of El Paso

FINAL FOR CONSTRUCTION

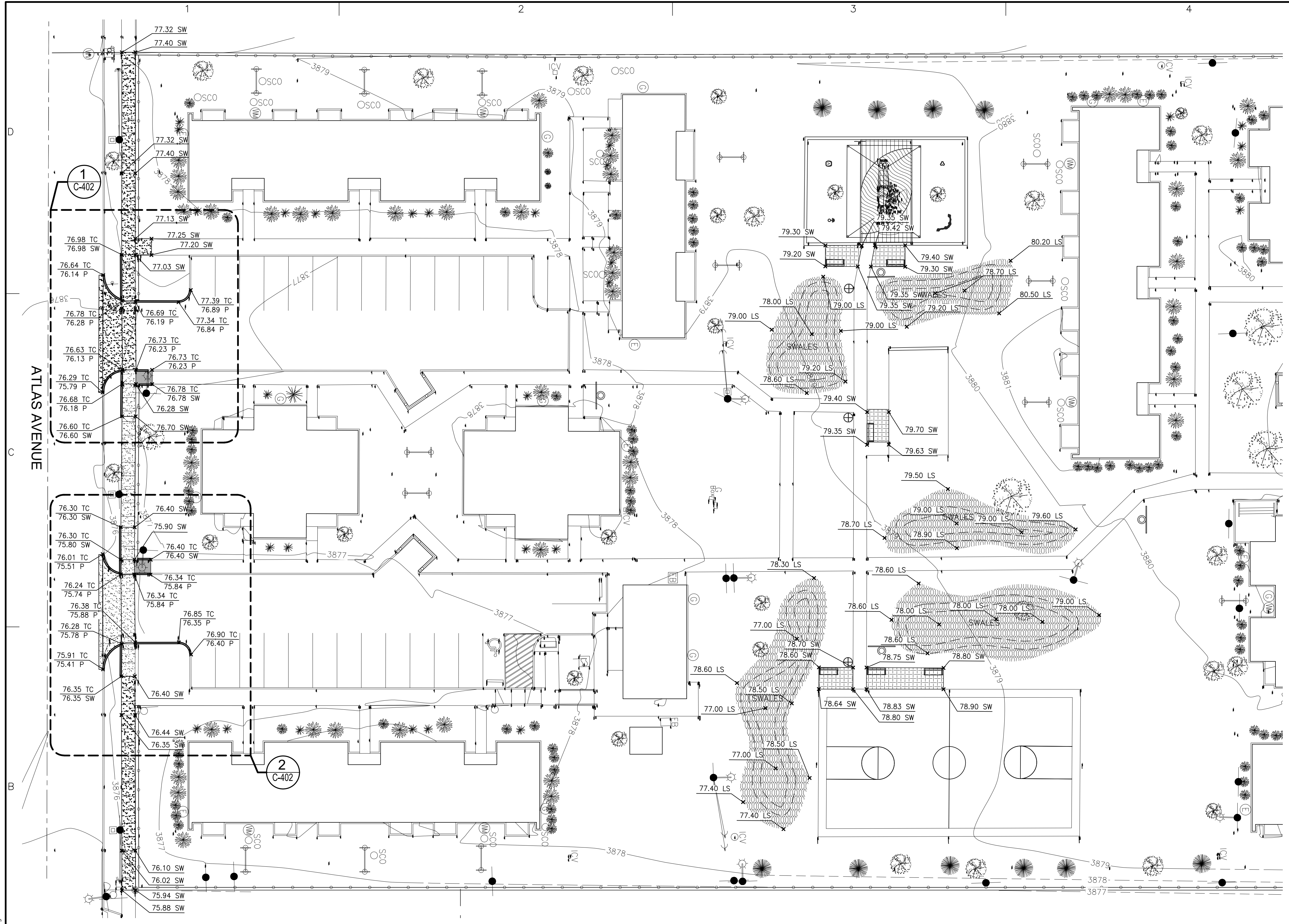
REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
CAD DWG FILE: C-100 ABH GRADING.DWG
DRAWN BY: F.E.
CHK'D BY: F.E./G.H.
ISSUE DATE: 05/28/2019
COPYRIGHT: SLI Engineering, Inc.

OVERALL GRADING PLAN - HART

C-104

SHEET 5 OF 19



NOTES FOR GRADING

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "2014 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES," (APPLICABLE ITEMS ONLY).
 - ALL FILL AREAS SHALL BE COMPACTED TO 95% DENSITY, (ASTM D-1557).
 - REFER TO THE CITY OF EL PASO GRADING ORDINANCE CHAPTER 18.44 FOR SITE GRADING SPECIFICATIONS. GRADING PERMIT MUST BE AVAILABLE AT THE JOB SITE UPON COMMENCEMENT OF WORK.
 - POSITIVE DRAINAGE SHALL BE PROVIDED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION AND GRADING. THE CONTRACTOR SHALL NOT ALLOW DEBRIS OR SEDIMENT TO SPILL ONTO THE PUBLIC STREETS OR ADJOINING PROPERTIES.
 - CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITY LINES (SHOWN OR NOT SHOWN) WITHIN THE SCOPE OF CONSTRUCTION. THE CONTRACTOR MUST NOTIFY THE RESPECTIVE AGENCY PRIOR TO MOVING ON SITE, SO THE EXISTING UTILITY LINES CAN BE LOCATED IN THE FIELD. IF ANY LINES ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN EXPENSE.
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS ON SITE AND SHALL CONTACT THE DESIGN ENGINEER AND REPORT ANY DISCREPANCIES, OMISSIONS, AND ERRORS ON PLANS PRIOR TO COMMENCING OR CONTINUING WORK.
- "CAUTION TO CONTRACTOR"**
- LOCATE AND PROTECT FROM DAMAGE ALL UTILITY LINES WITHIN THE CONSTRUCTION AREA.
 - GRADING, SWPPP, AND N.O.I. PERMITS REQUIRED BEFORE MOVING ON SITE.
 - ALL RAMP SHALL HAVE A MAX. OF 1:12 SLOPE AND ALL SIDEWALKS SHALL HAVE A MAX. OF 2% CROSS SLOPE. ALL ACCESSIBLE PARKING SPACES SHALL HAVE A MAX. OF 2% (LONGITUDINAL OR CROSS SLOPE). ALL ACCESSIBLE ROUTES SHALL HAVE A MAX. OF 5% SLOPE.
 - AFTER THE PERMITEE COMPLETES THE GRADING UNDER THE PERMIT, THE PERMIT SHALL BE CLOSED. AS PART OF THE CLOSEOUT PROCEDURE, THE APPLICANT MUST SUBMIT THE FOLLOWING TO THE CITY:
 - A STATEMENT FROM THE ENGINEER OF RECORD THAT STATES "THE GRADING OPERATION HAS BEEN SUBSTANTIALLY COMPLETED AND GENERALLY CONFORMS TO THE APPROVED SET OF PLANS." THE PERMITEE SHALL CALL THE PERMIT OFFICIAL TO ESTABLISH THE BEGINNING OF THE WARRANTY PERIOD AND TO NOTIFY THE PERMIT OFFICIAL THAT THE GSP HAS BEEN IMPLEMENTED.
 - A COPY OF THE NOTICE OF TERMINATION FILED WITH THE STATE OR DATED CONSTRUCTION SITE NOTICE, IF APPLICABLE, IN ACCORDANCE WITH CHAPTER 15.
- THE CITY WILL ISSUE A LETTER STATING GENERAL CONFORMANCE TO THE PERMIT HAS BEEN MET AND THAT THE WARRANTY PERIOD REQUIREMENTS WILL BE IN EFFECT.
(ORDINANCE NO. 17516, § 1, 3-29-2011)
- WARRANTY (18.44.090)—
- ANY PERSON ISSUED A PERMIT SHALL AGREE, WARRANT AND MAINTAIN THE AREA DESCRIBED IN THE PERMIT FOR A PERIOD OF TWO YEARS AFTER THE PERMIT IS CLOSED BY THE CITY PURSUANT TO SECTION 18.44.220, OR UNTIL A BUILDING PERMIT IS ISSUED FOR THE PURPOSE OF MAINTAINING A STABILIZED SITE IN ACCORDANCE WITH THE APPROVED GSP, WHICHEVER FIRST OCCURS (THE "WARRANTY" OR "WARRANTY PERIOD"). THE CITY MAY CONDUCT INSPECTIONS OF THE PERMITTED AREA THROUGHOUT THE WARRANTY PERIOD AND REQUIRE MAINTENANCE AND CORRECTION OF THE WORK BY THE PERMIT HOLDER. FAILURE OF THE PERMIT HOLDER TO CORRECT THE WORK SHALL CONSTITUTE A FAILURE TO COMPLY WITH THE PROVISIONS OF THIS CHAPTER.
(ORDINANCE NO. 17516, § 1, 3-29-2011)
- EROSION CONTROL:**
- WIND EROSION CONTROL: WATERING DURING AND AFTER COMPLETION OF SITE GRADING, THE PROJECT AREA SHALL BE COMPLETELY WATERED AS NEEDED TO CONTROL WIND EROSION OR AS DIRECTED BY THE CITY ENGINEER.
 - THE CONTRACTOR SHALL CLEAN UP ANY DIRT OR DEBRIS THAT IS SPILLED ON THE EXISTING PUBLIC ROADWAY AS A RESULT OF THIS CONSTRUCTION PROJECT. CLEAN UP IS TO BE DONE ON A REGULAR BASIS OR AS DIRECTED BY THE CITY ENGINEER.
 - THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SLOPES IN GOOD CONDITION AND PROTECTING THEM FROM EROSION UNTIL THE FINAL LANDSCAPING ELEMENTS ARE IN PLACE.
- FLOOD ZONE:**
- ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 480214 0024 B, DATED OCTOBER 15, 1982 THIS PROPERTY LIES IN FLOOD ZONE "C".
- ZONE "C", AREAS OF MINIMAL FLOODING (NO SHADING).
- DUE TO INHERENT INACCURACIES OF FEMA OR FLOOD INSURANCE RATE MAPS THIS SURVEYOR DOES NOT CERTIFY TO THE ACCURACY OF LOCATIONS BASED ON SUCH MAPS. THIS FLOOD STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR.
- LEGAL DESCRIPTION**
- LOTS 72 TO 75, BLOCK 2, SUNRISE ACRES
EL PASO, EL PASO COUNTY, TEXAS,
CONTAINING 175,213 Sq. Ft. (4.0223 Acres) +/-
- BENCHMARK:**
- EXISTING CITY MONUMENT LYING AT THE CENTERLINE INTERSECTION OF TITANIC AVE. AND PANDORA ST.
ELEVATION: 3874.01' CITY DATUM
- IMPORTANT CONSTRUCTION NOTE**
- VIBRATORY ROLLERS WILL BE NOT ALLOWED DURING CONSTRUCTION.
- DEMOLITION NOTE**
- FOR DEMOLITION PLANS AND NOTES SEE ARCHITECTURAL / LANDSCAPE PLANS.



SITES SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com



MAY 28, 2019
SLI Project No. 09-19-4314

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
CAD DWG FILE: C-100 ABH GRADING.DWG
DRAWN BY: F.E.
CHK'D BY: F.E./G.H.
ISSUE DATE: 05/28/2019
COPYRIGHT: SLI Engineering, Inc.

ENLARGED GRADING PLAN

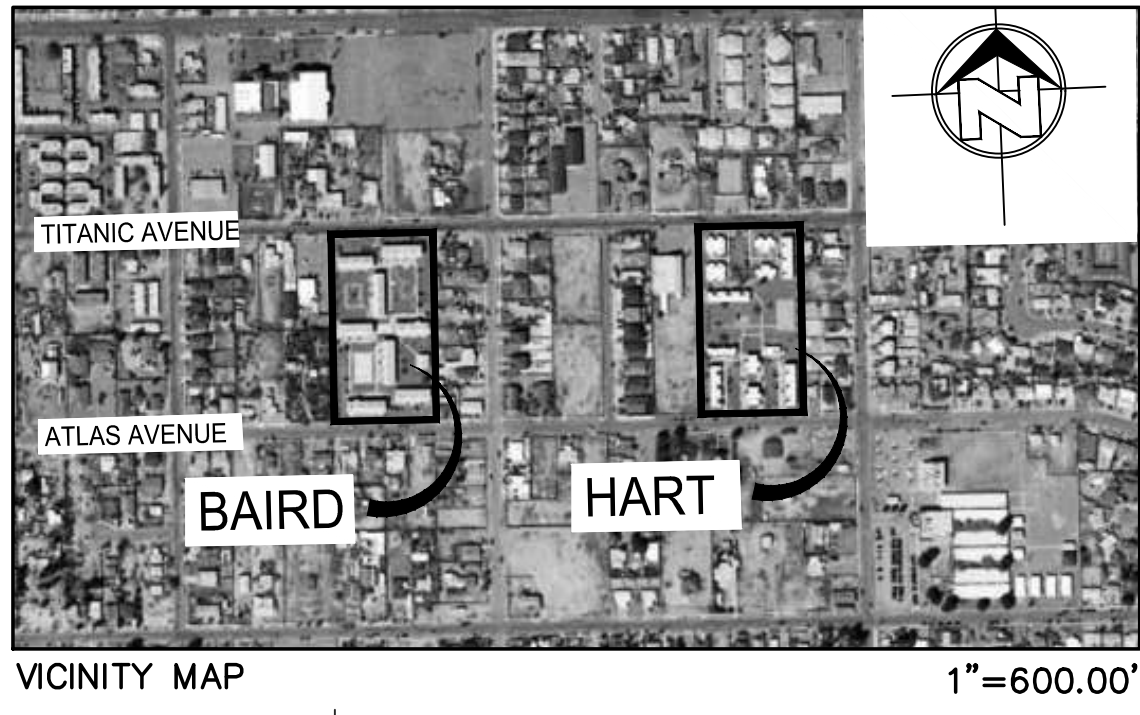
C-105

SHEET 6 OF 19

LEGEND

32.20FG	NEW FG ELEV. (GROUND)
32.20SW	NEW SIDEWALK ELEV.(CONCRETE)
32.20P	NEW FG ELEV. (PAVEMENT)
32.20G	NEW FG ELEV. (GUTTER)
32.20TC	NEW FG ELEV. (TOP OF CURB)
32.20CS	NEW FG ELEV. (CONCRETE SLAB)
32.20TW	NEW FG ELEV. (TOP OF WALL)
32.20PV	NEW FG ELEV. (TOP OF PAVERS)
32.20LS	NEW FG ELEV. (LANDSCAPE)
3732.2 X	EXISTING GROUND (SPOT ELEV.)
32.00	PROPOSED FG (CONTOUR)
FF=30.39	FINISHED BUILDING FLOOR ELEVATION
3732	EXISTING GROUND (CONTOUR)
◆	HIGH POINT
L.O.C.	LIMITS OF CONSTRUCTION

IMPORTANT DRAINAGE NOTE
ALL NEW IMPROVEMENTS WILL BE LOCATED OVER EXISTING DEVELOPED AREAS, NO ADDITIONAL RUNOFF WILL BE EXPECTED.



GENERAL CIVIL INDEX

C-100	OVERALL PROJECT
C-101	ENLARGED GRADING PLAN ATLAS
C-102	OVERALL GRADING PLAN BAIRD
C-103	ENLARGED GRADING PLAN BAIRD
C-104	OVERALL GRADING PLAN HART
C-105	ENLARGED GRADING PLAN HART
C-200	NOT USED
C-300	SECTIONS PLAN
C-400	LARGE-SCALE TRANSITIONAL SIDEWALKS ATLAS
C-401	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS BAIRD
C-402	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS HART
c-600	STANDARD DETAILS
c-700	NOT USED
C-800	NOT USED
C-900	NOT USED
SWPPP-101	DRIVEWAY ISOMETRIC STORM WATER POLLUTION PREVENTION PLAN ATLAS
SWPPP-102	STORM WATER POLLUTION PREVENTION PLAN BAIRD
SWPPP-103	STORM WATER POLLUTION PREVENTION PLAN HART
SWPPN-104	STORM WATER POLLUTION PREVENTION NOTES ATLAS
SWPPN-105	STORM WATER POLLUTION PREVENTION NOTES BAIRD
SWPPN-106	STORM WATER POLLUTION PREVENTION NOTES HART
SWPPD-500	STORM WATER POLLUTION PREVENTION DETAILS

1 ENLARGED GRADING PLAN
SCALE: 1"=20'-0"

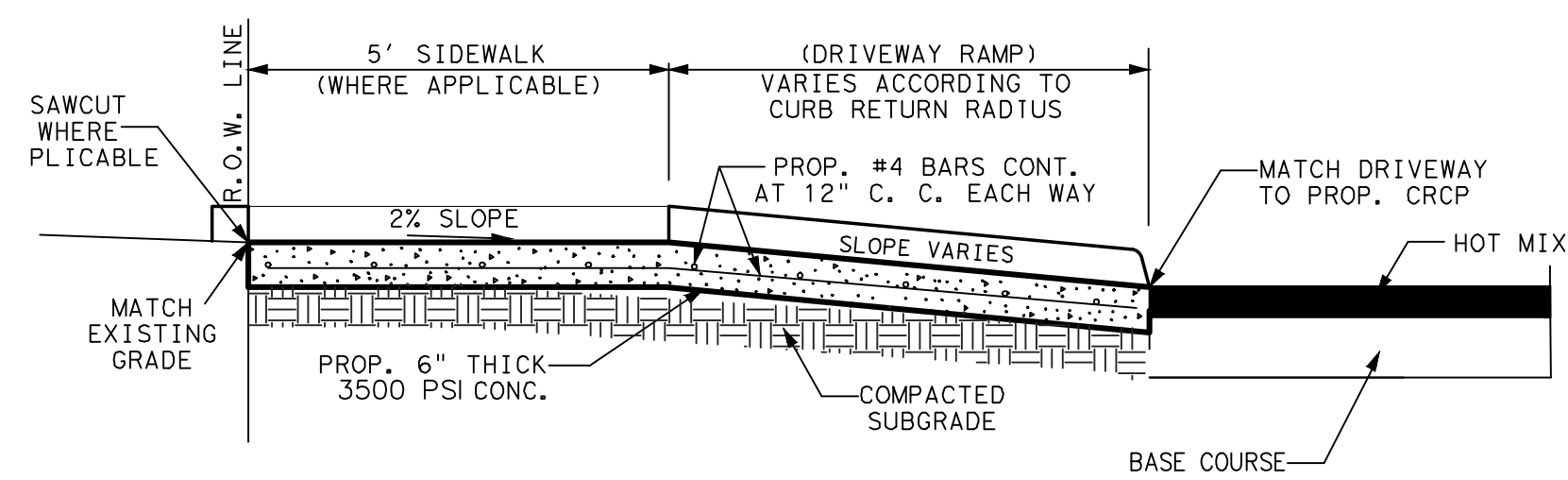
NOTE:
ALL INFORMATION SHOWN HEREON WITH RESPECT TO UNDERGROUND CONDITIONS WAS DETERMINED BY DATA COLLECTED THROUGH SURVEY CREW OBSERVATION AND OTHER INFORMATION TAKEN FROM EXISTING PLANS AND MAPS OF RECORD. NO UNDERGROUND UTILITIES EXISTING OR ABANDONED WERE EXPOSED OR LOCATED.

UNLESS SPECIFICALLY ACCEPTED BY SLI ENGINEERING, INC. IN WRITING, SLI ENGINEERING, INC. MAKES NO CLAIM, EXPRESSED OR IMPLIED, AS TO THE UNDERGROUND SITE CONDITIONS.

NOTE:
ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S. AND CITY OF EL PASO REQUIREMENTS, EXISTING INFRASTRUCTURE NOT COMPLYING SHALL BE REMOVED AND REPLACED TO MEET STANDARDS.

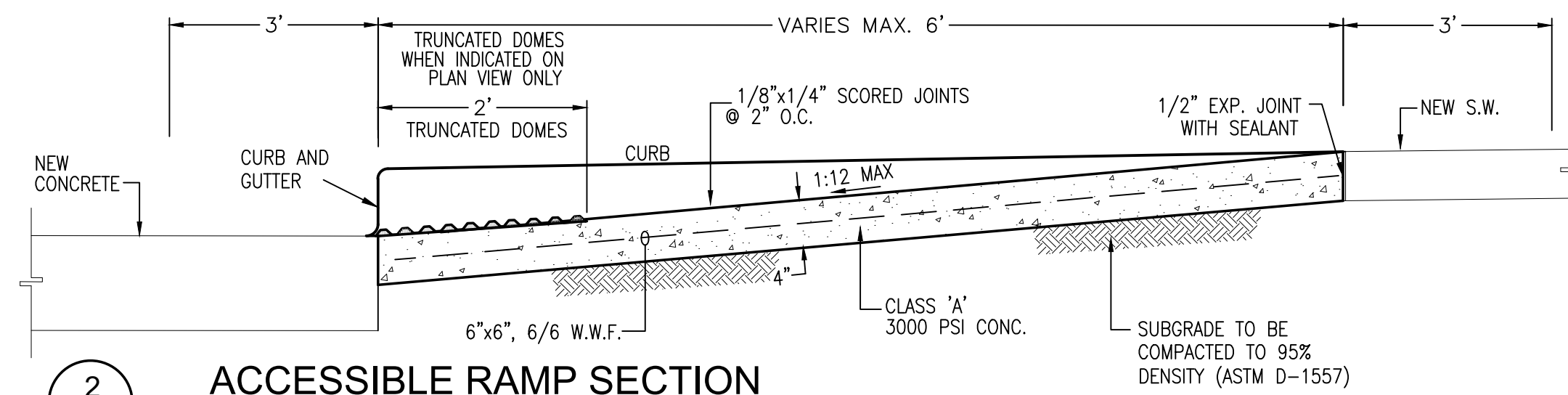
811
Know what's below. Call before you dig.
Call 811 TWO Working days Before you dig
It's Free, It's Easy, and IT'S THE LAW!

F:\PROJECTS\HACEP 2015\HART-BAIRD-ATLAS\FINALS\C-100 ABH GRADING.dwg 6-03-19 09:15:14 AM Ferrando



1 TYPICAL DRIVEWAY SECTION
C-300 SCALE: N.T.S.

NOTE: CONC. SECTION SUBJECT TO CHANGE PENDING SOILS REPORT.



2 ACCESSIBLE RAMP SECTION
C-300 SCALE: N.T.S.

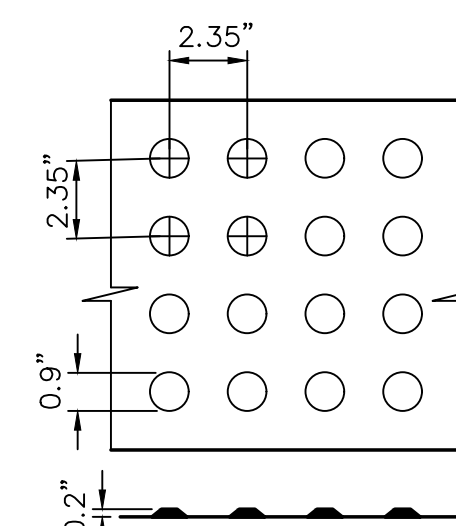
NOTES:

DOMES SIZE AND SPACING. TRUNCATED DOMES SHALL HAVE A DIAMETER OF NOMINAL 0.9 INCHES (23 mm) AT THE BOTTOM, A DIAMETER OF 0.4 INCHES (10 mm) AT THE TOP, A HEIGHT OF NOMINAL 0.2 INCHES (5 mm), AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35 INCHES (60 mm) MEASURED ALONG ONE SIDE OF A SQUARE ARRANGEMENT.

DOMES ALIGNMENT. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES. DETECTABLE WARNING SURFACES SHALL EXTEND 24 INCHES (610 mm) MINIMUM IN THE DIRECTION OF TRAVEL AND THE FULL WIDTH OF THE CURB RAMP, LANDING, OR BLENDED TRANSITION.

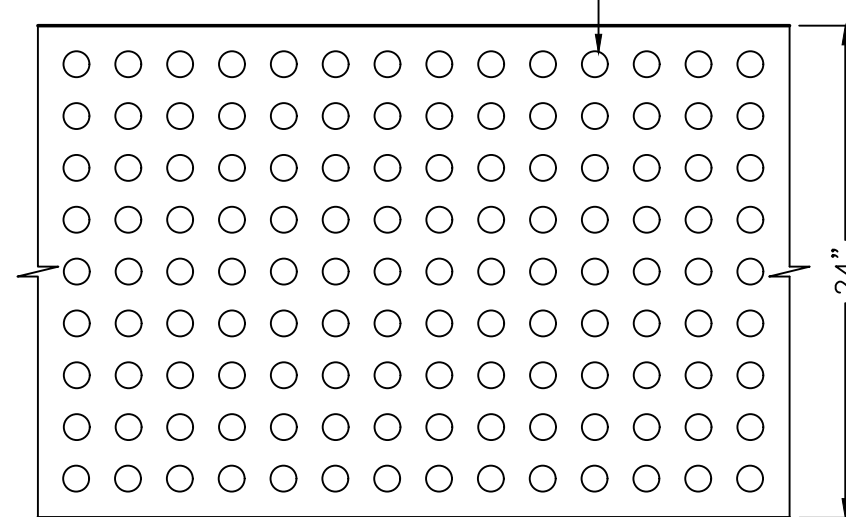
IN LIGHT REFLECTANCE BETWEEN THE DETECTABLE WARNING AND AN ADJOINING SURFACE, OR THE DETECTABLE WARNING SHALL BE "RED BRICK" COLOR, UNLESS OTHERWISE DIRECTED BY THE OWNER. THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE. CONTRAST SHALL BE PROVIDED BY PLACING AND MIXING TINT IN THE PLASTIC CONCRETE USED FOR THE DETECTABLE WARNING SURFACE. NO PAINTING OF SURFACE SHALL BE PERMITTED.

CONTRAST. THERE SHALL BE A MINIMUM OF 70 PERCENT CONTRAST



TRUNCATED DOME SIZING

TRUNCATED DOME TILES.
ADA CERTIFIED
"ARMOR-TILE"
TACTILE SYSTEMS OR
APPROVED EQUAL



NOTE:

ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S. AND CITY OF EL PASO REQUIREMENTS. EXISTING INFRASTRUCTURE NOT COMPLYING SHALL BE REMOVED AND REPLACED TO MEET STANDARDS.

USEFUL NUMBERS	
TEXAS GAS SERVICE	915-562-2003
TXDOT	915-790-4200
STORM WATER UTILITIES:	915-594-5687
EL PASO WATER UTILITIES:	1154 HAWKINS, 79961-0511
SEWER SERVICE:	915-594-5330
WATER SERVICE:	915-594-5330
CITY OF EL PASO:	300 N. CAMPBELL, 79901
	915-212-0000
E.P.E. COMPANY	915-543-5711

GENERAL CIVIL INDEX

C-100	OVERALL PROJECT
C-101	ENLARGED GRADING PLAN ATLAS
C-102	OVERALL GRADING PLAN BAIRD
C-103	ENLARGED GRADING PLAN BAIRD
C-104	OVERALL GRADING PLAN HART
C-105	ENLARGED GRADING PLAN HART
C-200	NOT USED
C-300	SECTIONS PLAN
C-400	LARGE-SCALE TRANSITIONAL SIDEWALKS ATLAS
C-401	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS BAIRD
C-402	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS HART
C-500	STANDARD DETAILS
C-600	NOT USED
C-700	NOT USED
C-800	NOT USED
C-900	DRIVEWAY ISOMETRIC
SWPPP-101	STORM WATER POLLUTION PREVENTION PLAN ATLAS
SWPPP-102	STORM WATER POLLUTION PREVENTION PLAN BAIRD
SWPPP-103	STORM WATER POLLUTION PREVENTION PLAN HART
SWPPN-104	STORM WATER POLLUTION PREVENTION NOTES ATLAS
SWPPN-105	STORM WATER POLLUTION PREVENTION NOTES BAIRD
SWPPN-106	STORM WATER POLLUTION PREVENTION NOTES HART
SWPPD-500	STORM WATER POLLUTION PREVENTION DETAILS



SITES
SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800

E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



MAY 28, 2019
SLI Project No. 09-19-4314

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO:	2019048
CAD DWG FILE:	C-300 SECTIONS.DWG
DRAWN BY:	F.E.
CHK'D BY:	F.E. /G.H.
ISSUE DATE:	05/28/2019
COPYRIGHT:	SLI Engineering, Inc.
SHEET TITLE	



Know what's below.
Call before you dig.
Call 811 TWO Working days Before you dig
It's Free, It's Easy, and
IT'S THE LAW!

SECTIONS PLAN

C-300

SHEET OF 19



SITES
SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800

E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



MAY 28, 2019
SLI Project No. 09-19-4314

PROJECT
**CDBG HART & BAIRD
IMPROVEMENTS**

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



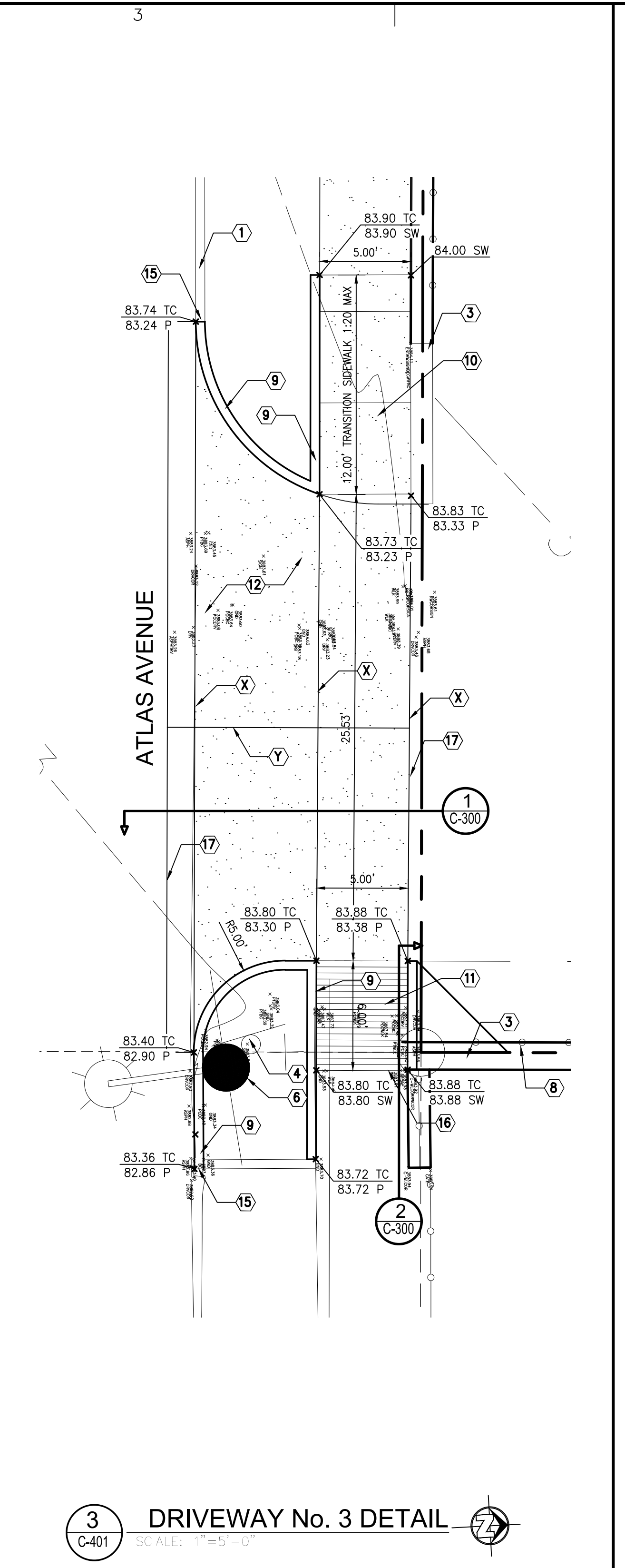
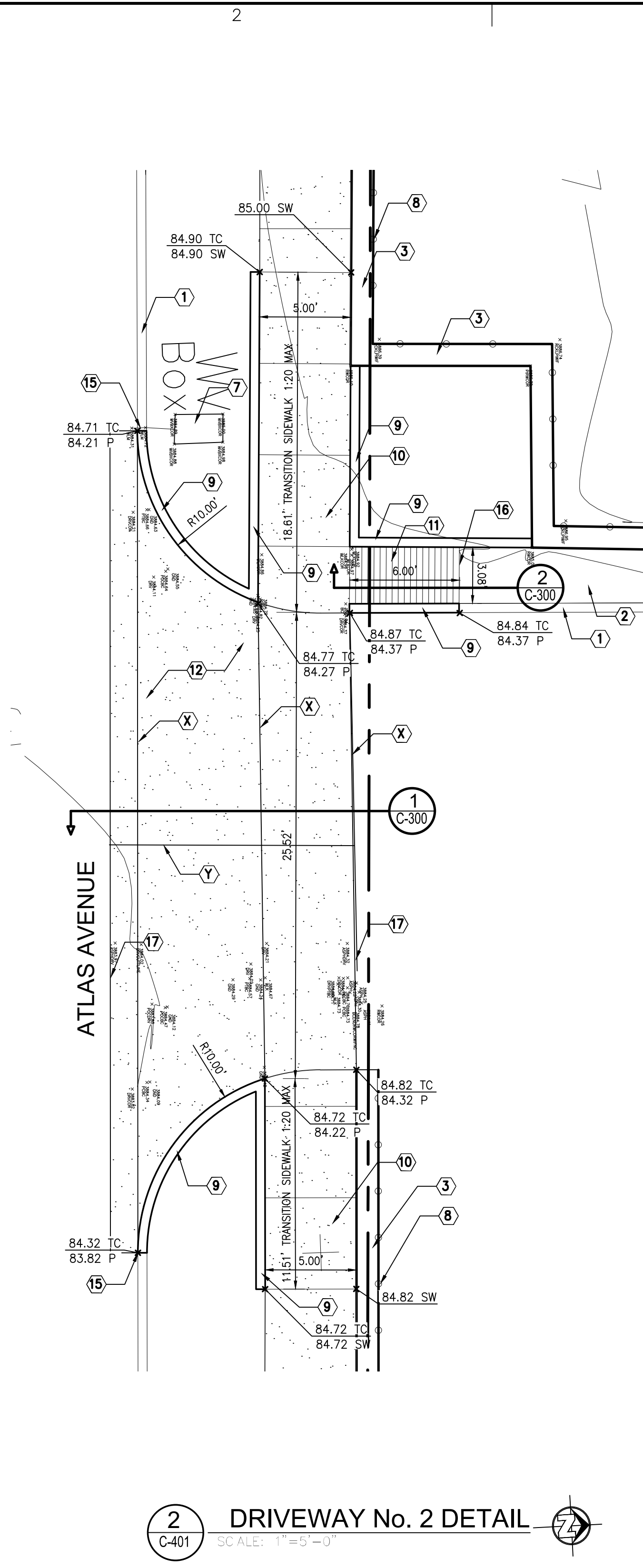
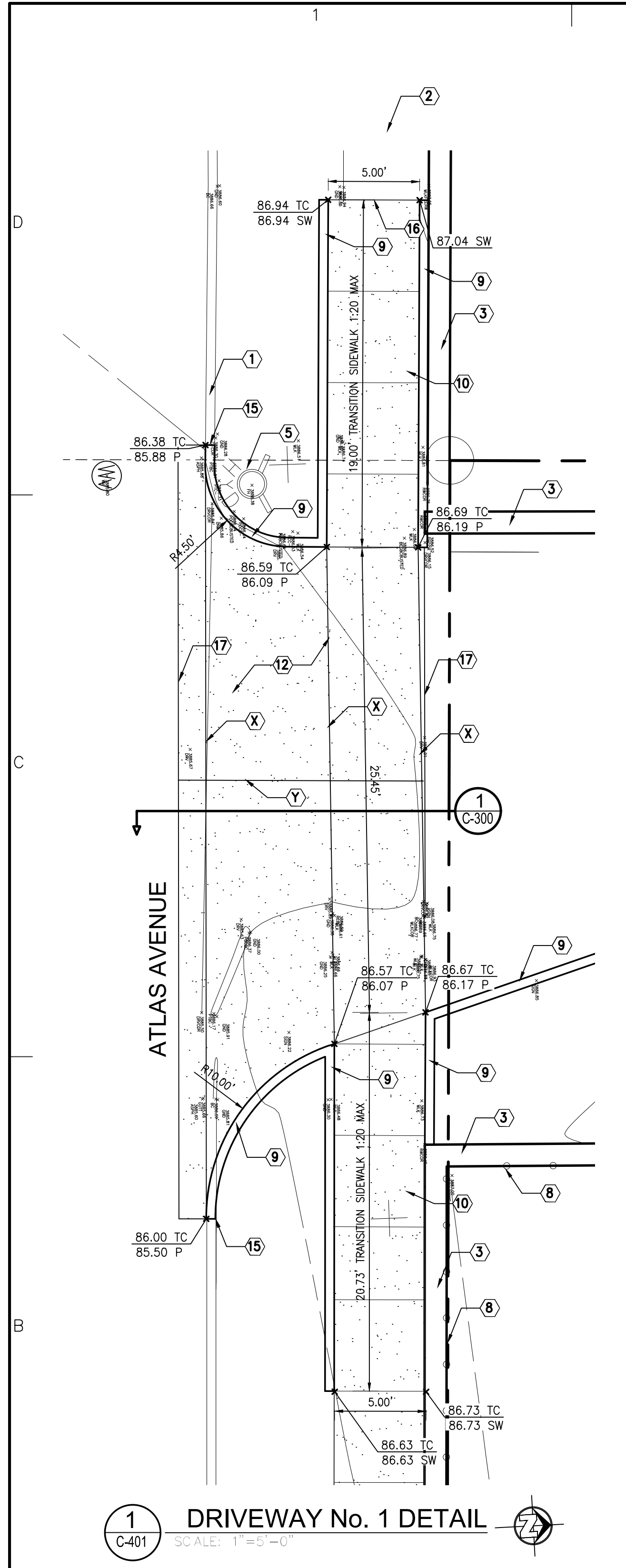
**Housing Authority
of the City of El Paso**

FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
 CAD DWG FILE: C-400 ABH LSV.DWG
 DRAWN BY: F.E.
 CHK'D BY: F.E. /G.H.
 ISSUE DATE: 05/28/2019
 COPYRIGHT: SLI Engineering, Inc.

SHEET TITLE
**LARGE-SCALE
 TRANSITIONAL
 SIDEWALKS / DRIVEWAYS
 - BAIRD**
C-401



CONCRETE KEY NOTES

- 1. CONTRACTION JOINT (SEE DETAIL SHEET C-500)
- 2. EXPANSION JOINT (SEE DETAIL SHEET C-500)

DEMOLITION NOTE

FOR DEMOLITION PLANS AND NOTES SEE ARCHITECTURAL / LANDSCAPE PLANS.

GENERAL KEY NOTES

1. EXISTING CONCRETE CURB TO REMAIN
2. EXISTING SIDEWALK TO REMAIN
3. EXISTING ROCKWALL TO REMAIN
4. EXISTING TRAFFIC SIGN TO REMAIN
5. EXISTING FIRE HYDRANT TO REMAIN
6. EXISTING LIGHT POLE TO REMAIN
7. EXISTING WATER BOX / METER / VALVE TO REMAIN
8. EXISTING FENCE TO REMAIN
9. PROPOSED CONCRETE STD. CURB, SEE DETAILS SHEET C-500
10. PROPOSED CONCRETE TRANSITIONAL SIDEWALK, SEE DETAILS SHEET C-500
11. PROPOSED ADA CURB RAMP, SEE DETAILS SHEET C-300
12. PROPOSED CONCRETE DRIVEWAY, SEE DETAILS SHEET C-900
13. -NOT USED
14. -NOT USED
15. MATCH EXISTING CURB GRADES
16. MATCH EXISTING SIDEWALK GRADES
17. MATCH EXISTING PAVEMENT GRADES

NOTE:

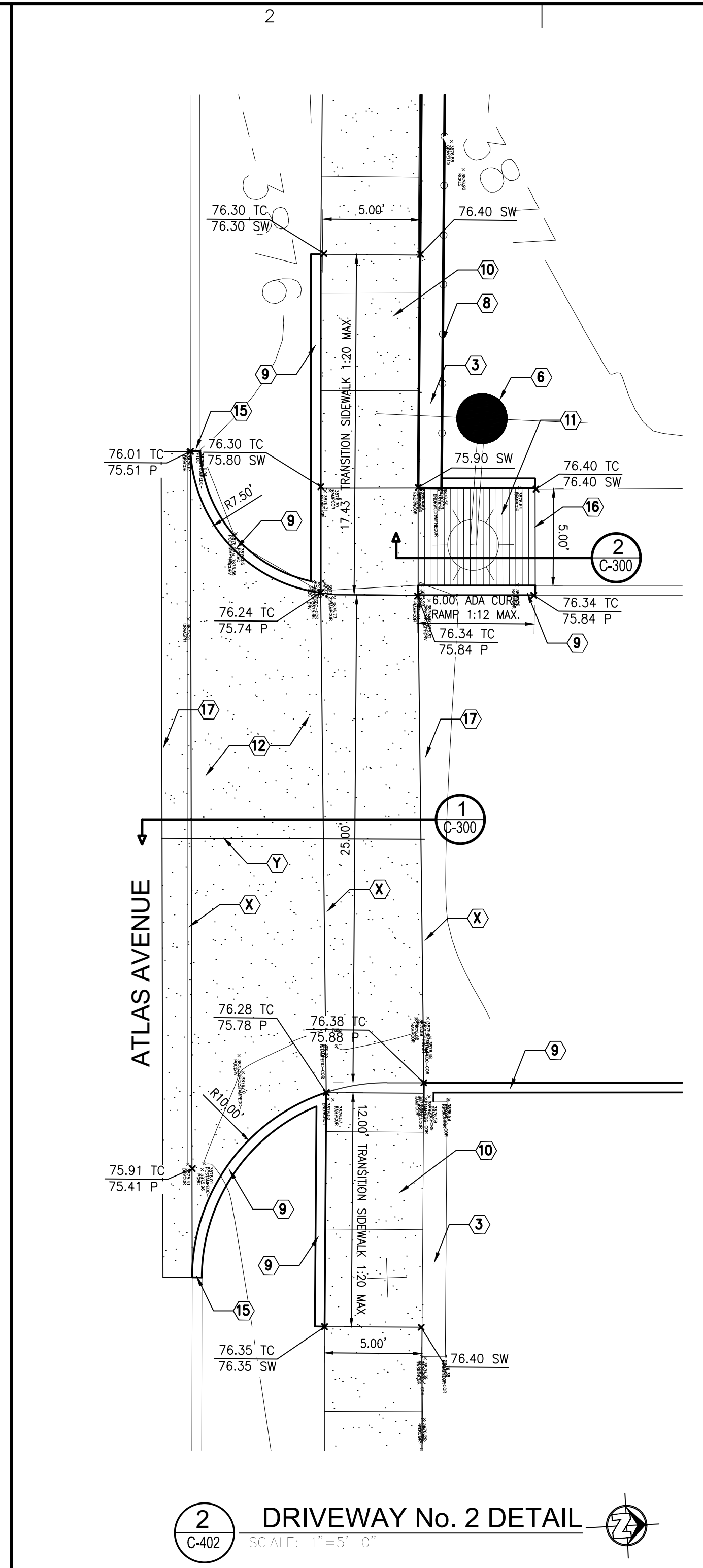
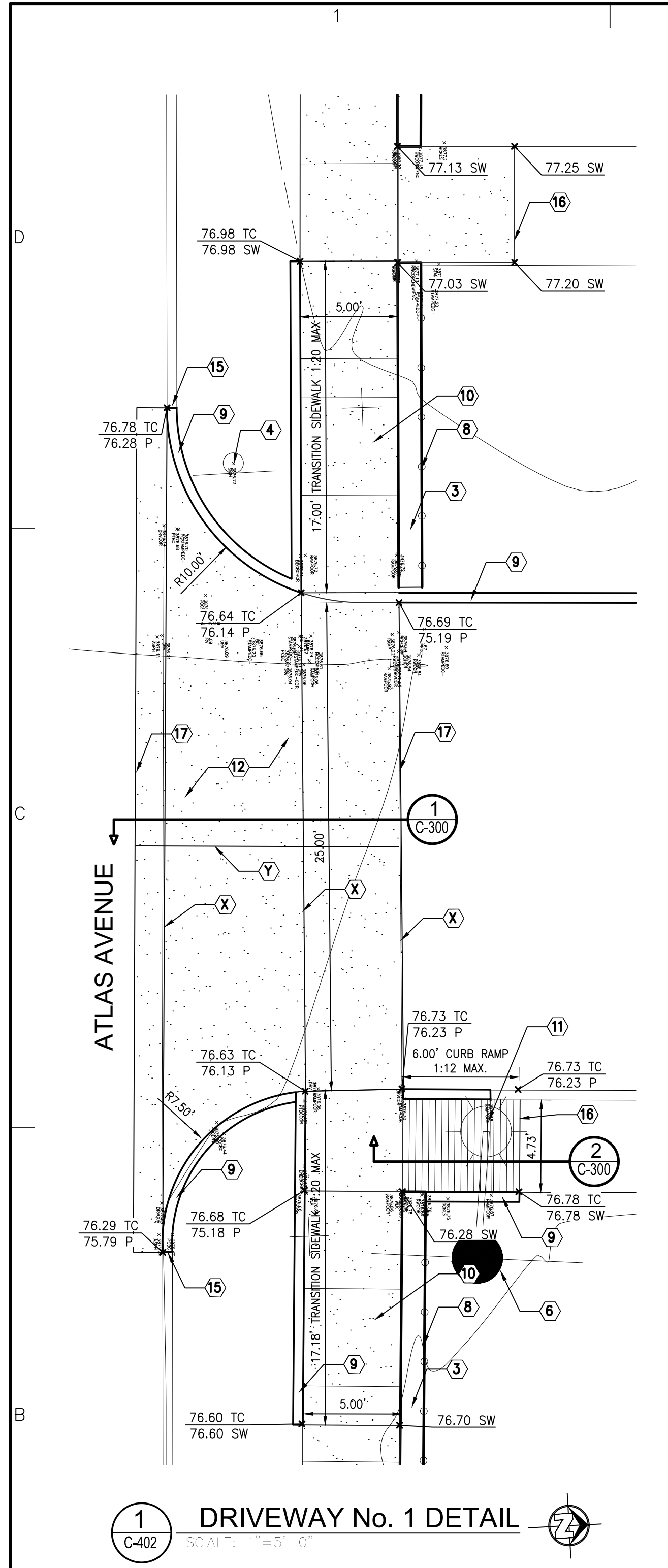
ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S. AND CITY OF EL PASO REQUIREMENTS, EXISTING INFRASTRUCTURE NOT COMPLYING SHALL BE REMOVED AND REPLACED TO MEET STANDARDS.

USEFUL NUMBERS	
TEXAS GAS SERVICE	915-562-2003
TXDOT:	915-790-4200
STORM WATER UTILITIES:	915-594-5687
EL PASO WATER UTILITIES:	1154 HAWKINS, 79961-0511
SEWER SERVICE:	915-594-5330
WATER SERVICE:	915-594-5330
CITY OF EL PASO:	300 N. CAMPBELL, 79901
	915-212-0000
E.P.E. COMPANY	915-543-5711

GENERAL CIVIL INDEX

- C-100 OVERALL PROJECT
- C-101 ENLARGED GRADING PLAN ATLAS
- C-102 OVERALL GRADING PLAN BAIRD
- C-103 ENLARGED GRADING PLAN BAIRD
- C-104 OVERALL GRADING PLAN HART
- C-105 ENLARGED GRADING PLAN HART
- C-200 NOT USED
- C-300 SECTIONS PLAN
- C-400 LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS BAIRD
- C-401 LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS BAIRD
- C-402 LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS HART
- C-500 STANDARD DETAILS
- c-600 NOT USED
- C-700 NOT USED
- C-800 NOT USED
- C-900 DRIVEWAY ISOMETRIC
- SWPPP-101 STORM WATER POLLUTION PREVENTION PLAN ATLAS
- SWPPP-102 STORM WATER POLLUTION PREVENTION PLAN BAIRD
- SWPPP-103 STORM WATER POLLUTION PREVENTION PLAN HART
- SWPPN-104 STORM WATER POLLUTION PREVENTION NOTES ATLAS
- SWPPN-105 STORM WATER POLLUTION PREVENTION NOTES BAIRD
- SWPPN-106 STORM WATER POLLUTION PREVENTION NOTES HART
- SWPPD-500 STORM WATER POLLUTION PREVENTION DETAILS

F:\PROJECTS\HACEP 2015\HART-BAIRD-ATLAS\FINALS\C-400 ABH LSV.dwg 6-03-19 09:18:48 AM Fernando



CONCRETE KEY NOTES

- 1. CONTRACTION JOINT (SEE DETAIL SHEET C-500)
- 2. EXPANSION JOINT (SEE DETAIL SHEET C-500)

GENERAL KEY NOTES

1. EXISTING CONCRETE CURB TO REMAIN
2. EXISTING SIDEWALK TO REMAIN
3. EXISTING ROCKWALL TO REMAIN
4. EXISTING TRAFFIC SIGN TO REMAIN
5. EXISTING FIRE HYDRANT TO REMAIN
6. EXISTING LIGHT POLE TO REMAIN
7. EXISTING WATER BOX / METER / VALVE TO REMAIN
8. EXISTING FENCE TO REMAIN
9. PROPOSED CONCRETE STD. CURB, SEE DETAILS SHEET C-500
10. PROPOSED CONCRETE TRANSITIONAL SIDEWALK, SEE DETAILS SHEET C-500
11. PROPOSED ADA CURB RAMP, SEE DETAILS SHEET C-300
12. PROPOSED CONCRETE DRIVEWAY, SEE DETAILS SHEET C-900
13. -NOT USED
14. -NOT USED
15. MATCH EXISTING CURB GRADES
16. MATCH EXISTING SIDEWALK GRADES
17. MATCH EXISTING PAVEMENT GRADES

DEMOLITION NOTE

FOR DEMOLITION PLANS AND NOTES SEE ARCHITECTURAL / LANDSCAPE PLANS.

GENERAL CIVIL INDEX

C-100	OVERALL PROJECT
C-101	ENLARGED GRADING PLAN ATLAS
C-102	OVERALL GRADING PLAN BAIRD
C-103	ENLARGED GRADING PLAN BAIRD
C-104	OVERALL GRADING PLAN HART
C-105	ENLARGED GRADING PLAN HART
C-200	NOT USED
C-300	SECTIONS PLAN
C-400	LARGE-SCALE TRANSITIONAL SIDEWALKS ATLAS
C-401	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS BAIRD
C-402	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS HART
C-500	STANDARD DETAILS
c-600	NOT USED
C-700	NOT USED
C-800	NOT USED
C-900	DRIVEWAY ISOMETRIC
SWPPP-101	STORM WATER POLLUTION PREVENTION PLAN ATLAS
SWPPP-102	STORM WATER POLLUTION PREVENTION PLAN BAIRD
SWPPP-103	STORM WATER POLLUTION PREVENTION PLAN HART
SWPPN-104	STORM WATER POLLUTION PREVENTION NOTES ATLAS
SWPPN-105	STORM WATER POLLUTION PREVENTION NOTES BAIRD
SWPPN-106	STORM WATER POLLUTION PREVENTION NOTES HART
SWPPD-500	STORM WATER POLLUTION PREVENTION DETAILS



4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS

SLI ENGINEERING, INC.
SLI LICENSE No. F-1902
MAY 28, 2019
SLI Project No. 09-19-4314

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
CAD DWG FILE: C-400 ABH LSV.DWG
DRAWN BY: F.E.
CHK'D BY: F.E. /G.H.
ISSUE DATE: 05/28/2019
COPYRIGHT: SLI Engineering, Inc.

NOTE:

ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S. AND CITY OF EL PASO REQUIREMENTS, EXISTING INFRASTRUCTURE NOT COMPLYING SHALL BE REMOVED AND REPLACED TO MEET STANDARDS.

USEFUL NUMBERS

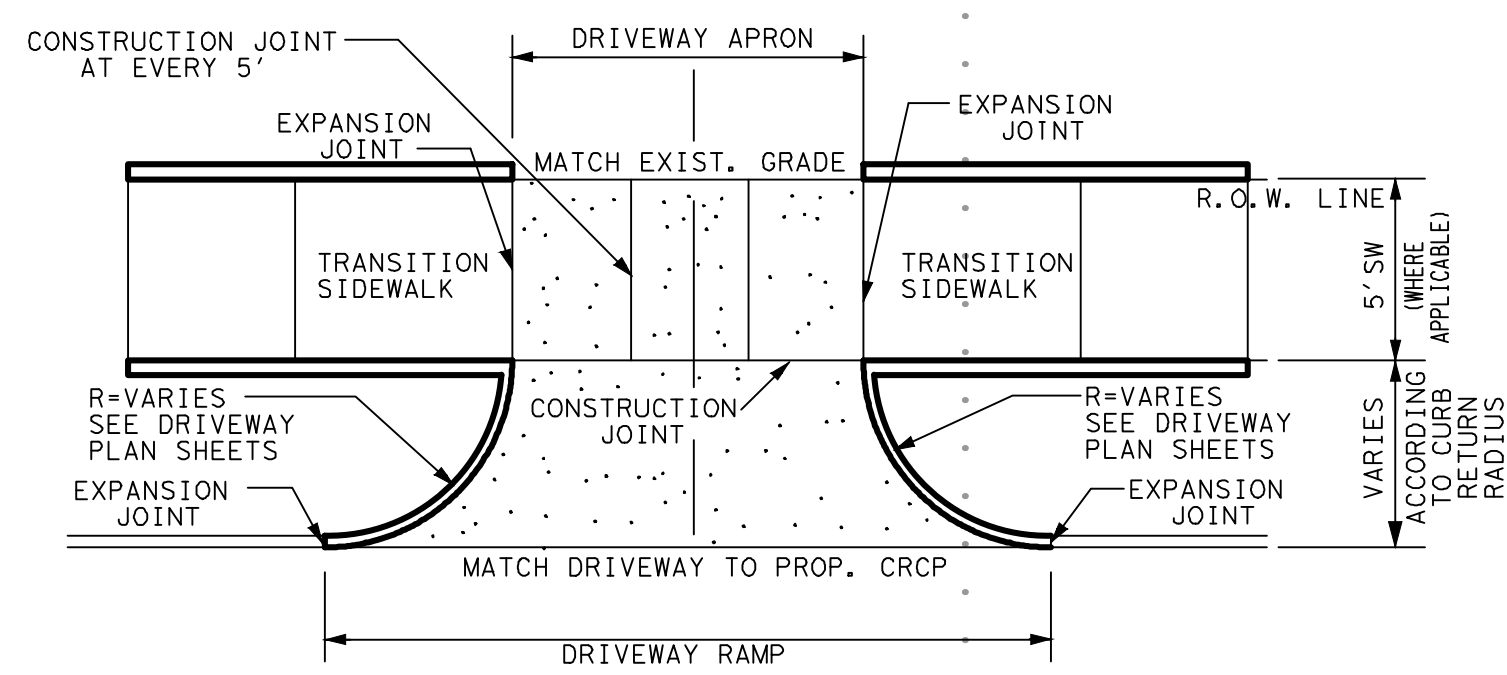
TEXAS GAS SERVICE	915-562-2003
TXDOT:	915-790-4200
STORM WATER UTILITIES:	915-594-5687
EL PASO WATER UTILITIES:	1154 HAWKINS, 79961-0511
SEWER SERVICE:	915-594-5330
WATER SERVICE:	915-594-5330
CITY OF EL PASO:	300 N. CAMPBELL, 79901
	915-212-0000
E.P.E. COMPANY	915-543-5711

LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS - HART

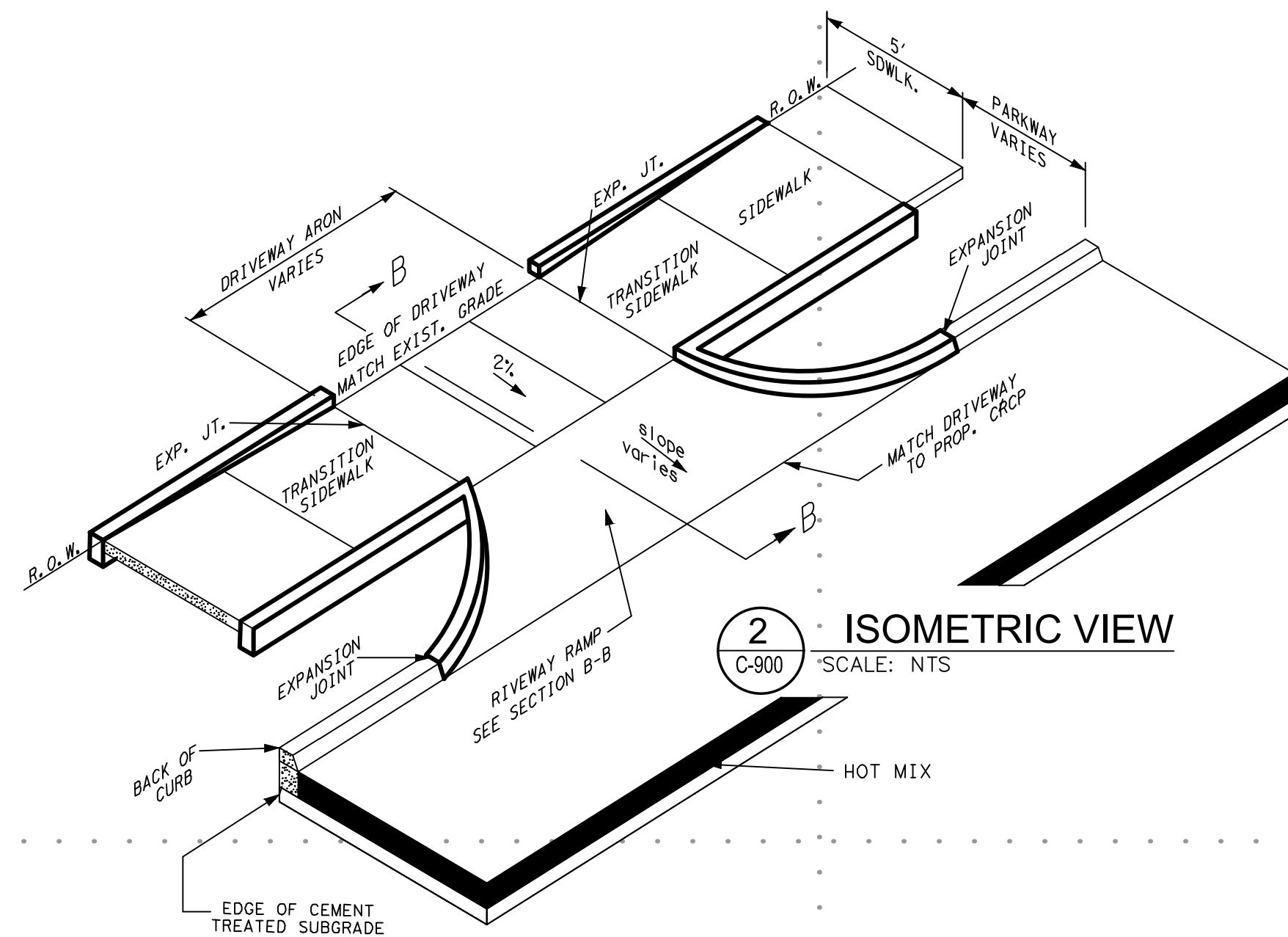
C-402

SHEET 10 OF 19

F:\PROJECTS\HACEP 2015\HART-BAIRD-ATLAS\FINALS\C-400 ABH LSV.dwg 6-03-19 09:19:43 AM Fernando



1 TYPICAL DRIVEWAY DETAIL
SCALE: NTS



2 ISOMETRIC VIEW
SCALE: NTS

USEFUL NUMBERS

TEXAS GAS SERVICE	915-562-2003
TXDOT	915-790-4200
STORM WATER UTILITIES:	915-594-5687
EL PASO WATER UTILITIES:	1154 HAWKINS, 79961-0511
SEWER SERVICE:	915-594-5330
WATER SERVICE:	915-594-5330
CITY OF EL PASO:	300 N. CAMPBELL, 79901
	915-212-0000
E.P.E. COMPANY	915-543-5711

NOTE:

ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S. AND CITY OF EL PASO REQUIREMENTS, EXISTING INFRASTRUCTURE NOT COMPLYING SHALL BE REMOVED AND REPLACED TO MEET STANDARDS.

GENERAL CIVIL INDEX

- C-100 OVERALL PROJECT
- C-101 ENLARGED GRADING PLAN ATLAS
- C-102 OVERALL GRADING PLAN BAIRD
- C-103 ENLARGED GRADING PLAN BAIRD
- C-104 OVERALL GRADING PLAN HART
- C-105 ENLARGED GRADING PLAN HART
- C-200 NOT USED
- C-300 SECTIONS PLAN
- C-400 LARGE-SCALE TRANSITIONAL SIDEWALKS ATLAS
- C-401 LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS BAIRD
- C-402 LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS HART
- C-500 STANDARD DETAILS
- C-600 NOT USED
- C-700 NOT USED
- C-800 NOT USED
- C-900 DRIVEWAY ISOMETRIC
- SWPPP-101 STORM WATER POLLUTION PREVENTION PLAN ATLAS
- SWPPP-102 STORM WATER POLLUTION PREVENTION PLAN BAIRD
- SWPPP-103 STORM WATER POLLUTION PREVENTION PLAN HART
- SWPPN-104 STORM WATER POLLUTION PREVENTION NOTES ATLAS
- SWPPN-105 STORM WATER POLLUTION PREVENTION NOTES BAIRD
- SWPPN-106 STORM WATER POLLUTION PREVENTION NOTES HART
- SWPPD-500 STORM WATER POLLUTION PREVENTION DETAILS



SITES
SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800

E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



MAY 28, 2019
SLI Project No. 09-19-4314

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
CAD DWG FILE: C-900 DRIVEWAYS ISOMETRIC.DWG
DRAWN BY: F.E.
CHK'D BY: F.E. /G.H.
ISSUE DATE: 05/28/2019
COPYRIGHT: SLI Engineering, Inc.

SHEET TITLE
DRIVEWAY ISOMETRIC



Know what's below.
Call before you dig.
Call 811 TWO Working days Before you dig
It's Free, It's Easy, and
IT'S THE LAW!

C-900

F:\PROJECTS\HACEP_2015\HART-BAIRD-ATLAS\FINALS\C-900 DRIVEWAYS ISOMETRIC.dwg 6-03-19 09:20:21 AM Fernando



SITES
SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



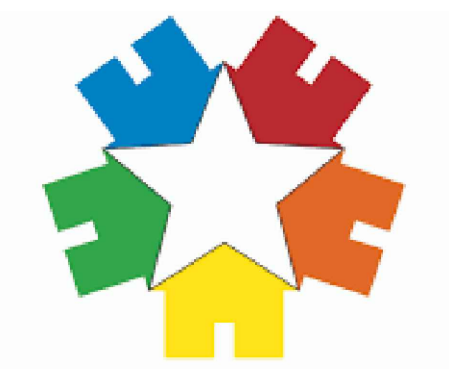
Deborah B. Hixley
05.28.19

PROJECT

CDBG HART & BAIRD
IMPROVEMENTS

ADDRESS

4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO:	2019048
CAD DWG FILE:	2019048 - OVERALL.PLAN.DWG
DRAWN BY:	STAFF
CHK'D BY:	D.B.H.
ISSUE DATE:	05/28/2019
COPYRIGHT:	SITES SOUTHWEST, LLC
SHEET TITLE	

OVERALL DEMOLITION
PLAN

LD-100

SHEET
LD-102

SHEET
LD-103

TITANIC AVE.

BAIRD APTS.

HART APTS.

SHEET
LD-101

ATLAS AVE.

(A) OVERVIEW DEMOLITION PLAN

SCALE 1:50



This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.

P:\2019048_Hart & Baird Apts HACEP\4 - Drawings\CAD Drawings\100% 2019048 - OVERALL.PLAN.dwg 5-30-19 05:41:53 PM vlopez



SITES
SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800

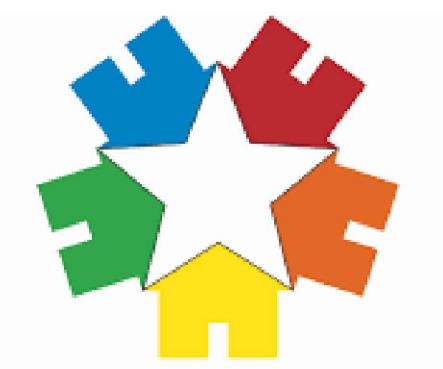
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



Deborah B. Hixley
05.28.19

PROJECT
CDBG HART & BAIRD
IMPROVEMENTS
ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

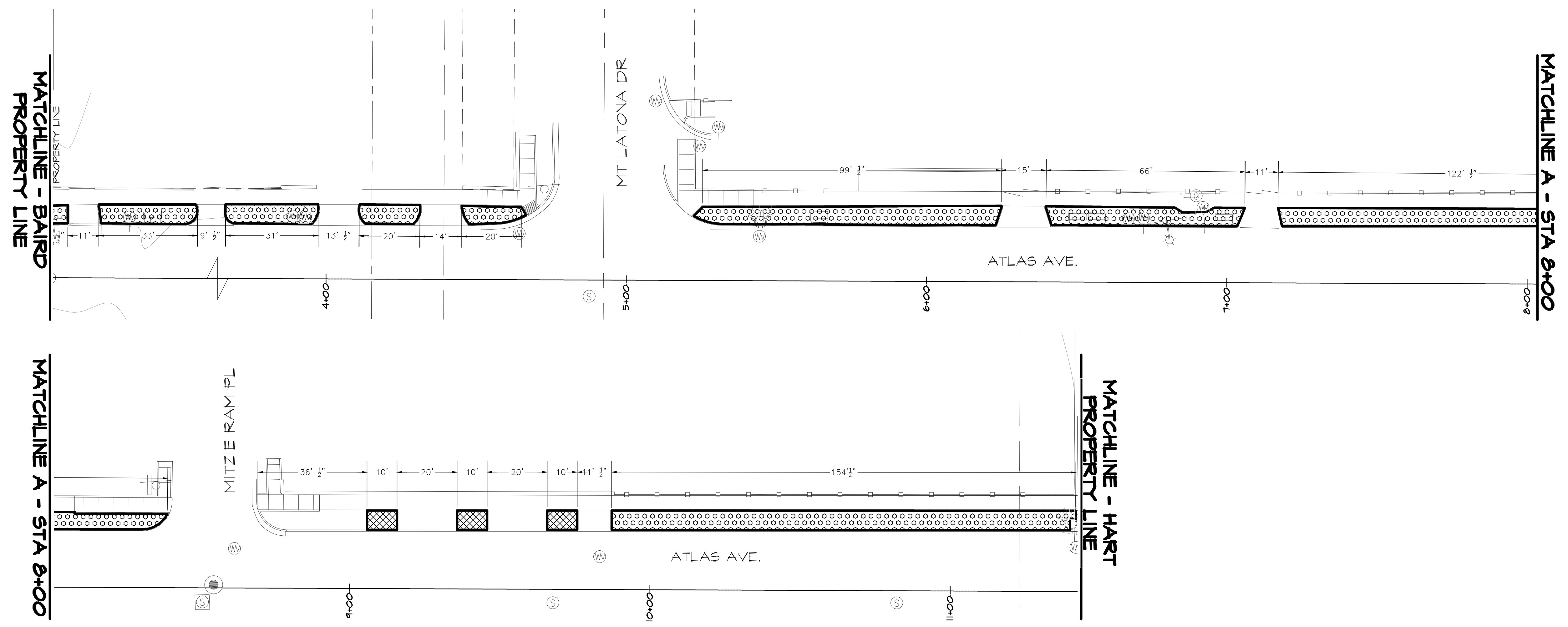
FINAL FOR CONSTRUCTION

REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO:	2019048
CAD DWG FILE:	2019048 - DEMO - BAIRD.DWG
DRAWN BY:	STAFF
CHK'D BY:	D.B.H.
ISSUE DATE:	05/28/2019
COPYRIGHT:	SITES SOUTHWEST, LLC
SHEET TITLE	

DEMOLITION PLAN
ATLAS AVE.

LD-101



A DEMOLITION PLAN
SCALE 1:20

DEMOLITION LEGEND

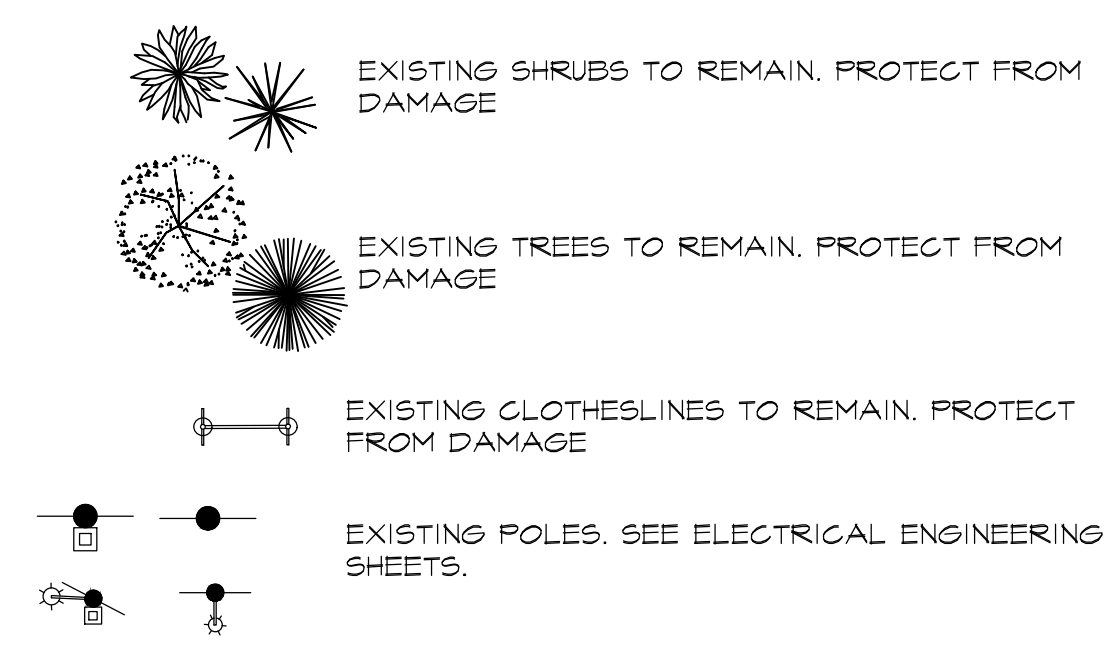
SYMBOL	DEMOLITION DESCRIPTION
(LD-01)	EXISTING TREE TO REMAIN. PROTECT FROM DAMAGE. SEE DETAIL D/LP-501
(LD-03)	EXISTING PICNIC TABLE AND CONCRETE SLAB TO REMAIN. PROTECT FROM DAMAGE
(LD-04)	EXISTING CONCRETE SIDEWALK TO BE NEATLY SAWCUT, REMOVED, AND PROPERLY DISPOSED OF.
(LD-05)	EXISTING SIGN TO REMAIN. PROTECT FROM DAMAGE.
(LD-06)	EXISTING PLAYGROUND STRUCTURE TO REMAIN. PROTECT FROM DAMAGE.
(LD-07)	EXISTING CONCRETE PLAZA AND/OR SIDEWALK TO REMAIN. PROTECT FROM DAMAGE.
(LD-08)	EXISTING ROCK WALL AROUND PLAY AREA TO REMAIN. PROTECT FROM DAMAGE.
(LD-09)	EXISTING LIGHT POLE. SEE ELECTRICAL ENGINEERING SHEETS.
(LD-15)	EXISTING BASKETBALL COURT TO REMAIN. PROTECT FROM DAMAGE

SYMBOL	SITE FURNISHING DESCRIPTION
(S-19)	PROVIDE AND INSTALL 5 FT. WIDE WELDED WIRE MESH GATE AND SUPPORTS. GATE INCLUDES FENCE PANELS, POSTS, FOOTINGS, HINGES, LOCKS, AND ALL FENCE COMPONENTS. CONTRACTOR TO PROVIDE UNOBSTRUCTED PATH TO ALLOW GATES TO OPEN AND CLOSE SMOOTHLY AND FASTENING TO ALLOW GATES TO REMAIN OPEN WHEN DESIRED. SEE DETAIL LC-501/B
SYMBOL	DEMOLITION HATCH DESCRIPTION
[Hatched Box]	EXISTING AREA THAT REQUIRES GRADING WORK FOR IMPROVEMENTS. APPLY POST-EMERGENT TO UNDISTURBED AND ACTIVELY GROWING WEEDS. PRIOR TO DEMOLITION OR GRADING SEE GRADING AND CONSTRUCTION PLANS & HERBICIDE NOTES.
[Cross-hatched Box]	EXISTING CONCRETE SIDEWALK TO BE REMOVED. REMOVE TO CLOSEST EXPANSION JOINT OR SAW CUT AT CONTROL JOINT. SEE CONSTRUCTION PLANS FOR REFERENCE LC-101-103.
[Dotted Box]	APPLY POST-EMERGENT HERBICIDE, REMOVE EXISTING MATERIALS AND GRADE AS NECESSARY FOR IMPROVEMENTS. DO NOT REMOVE TREES OR EXISTING UTILITIES, PROTECT FROM DAMAGE. HAND DIG AROUND EXISTING TREES AND PROVIDE TREE PROTECTION PER DETAIL D/LP-501. SEE GRADING AND CONSTRUCTION PLANS FOR NEW IMPROVEMENTS.

LEGEND GENERAL NOTES

ALL EXISTING TREES, SHRUBS AND PLANTS TO REMAIN UNLESS OTHERWISE SPECIFIED. VERIFY WITH LANDSCAPE ARCHITECT IF SHRUBS OR TREES NEED TO BE REMOVED. PROTECT ALL EXISTING LANDSCAPE AREAS AND ITEMS FROM DAMAGE UNLESS OTHERWISE SPECIFIED.

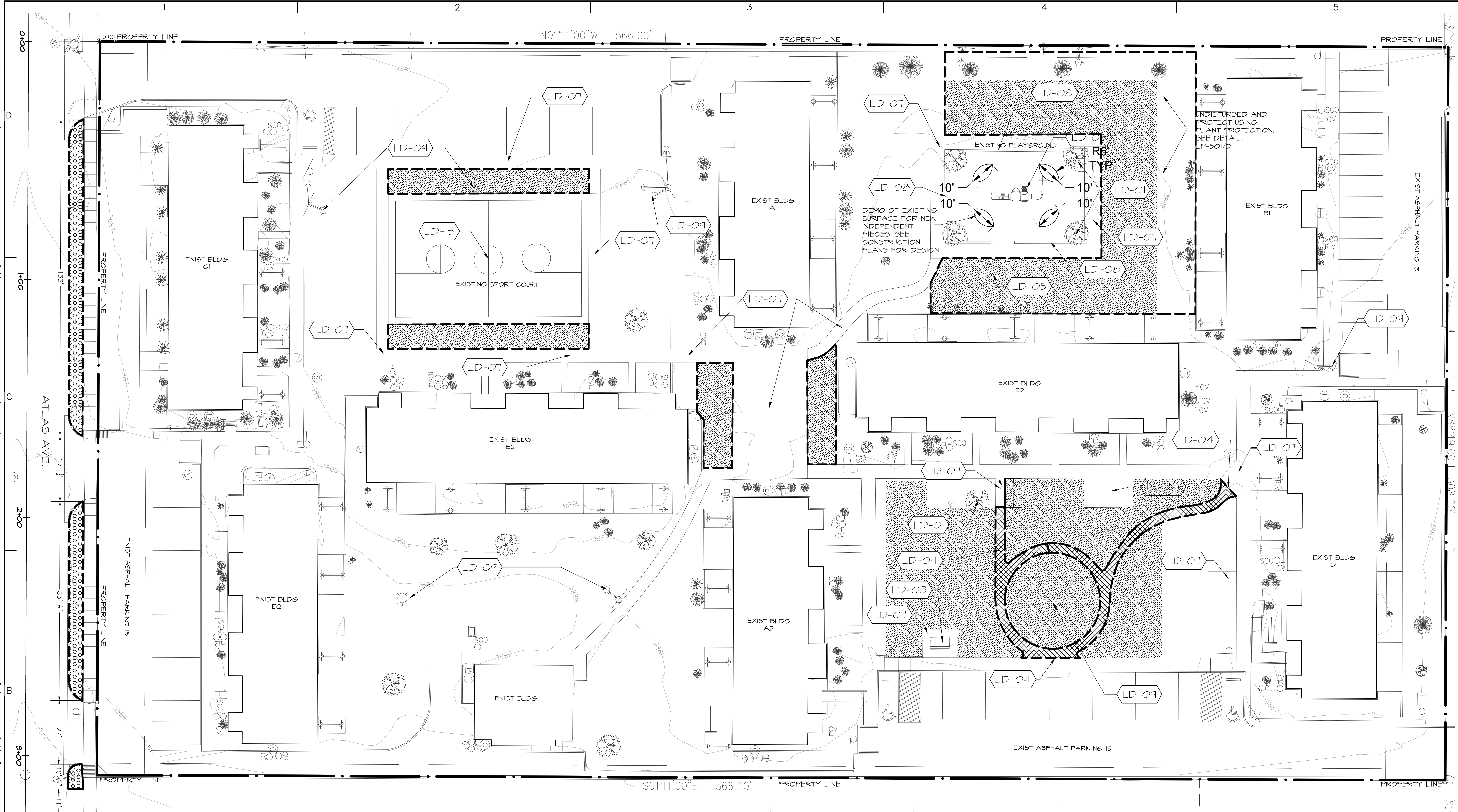
LEGEND SITE LEGEND



This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.

P:\2019048_Hart & Baird Apts HACEP\4 - Drawings\CAD Drawings\100%BAIRD PROJECT\2019048 - DEMO - BAIRD.dwg 6-03-19 08:49:06 AM rmariscal

This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.



DEMOLITION LEGEND

- | | |
|---------------|--|
| SYMBOL | DEMOLITION DESCRIPTION |
| (LD-01) | EXISTING TREE TO REMAIN. PROTECT FROM DAMAGE. SEE DETAIL D/LP-501 |
| (LD-03) | EXISTING PICNIC TABLE AND CONCRETE SLAB TO REMAIN. PROTECT FROM DAMAGE |
| (LD-04) | EXISTING CONCRETE SIDEWALK TO BE NEATLY SAWCUT, REMOVED, AND PROPERLY DISPOSED OF. |
| (LD-05) | EXISTING SIGN TO REMAIN. PROTECT FROM DAMAGE. |
| (LD-06) | EXISTING PLAYGROUND STRUCTURE TO REMAIN. PROTECT FROM DAMAGE. |
| (LD-07) | EXISTING CONCRETE PLAZA AND/OR SIDEWALK TO REMAIN. PROTECT FROM DAMAGE. |
| (LD-08) | EXISTING ROCK WALL AROUND PLAY AREA TO REMAIN. PROTECT FROM DAMAGE. |
| (LD-09) | EXISTING LIGHT POLE, SEE ELECTRICAL ENGINEERING SHEETS. |
| (LD-15) | EXISTING BASKETBALL COURT TO REMAIN. PROTECT FROM DAMAGE |

- | | |
|---------------------|--|
| SYMBOL | SITE FURNISHING DESCRIPTION |
| (S-19) | PROVIDE AND INSTALL 5 FT. WIDE WELDED WIRE MESH GATE AND SUPPORTS. GATE INCLUDES FENCE PANELS, POSTS, FOOTINGS, HINGES, LOCKS, AND ALL FENCE COMPONENTS. CONTRACTOR TO PROVIDE UNOBSTRUCTED PATH TO ALLOW GATES TO OPEN AND CLOSE SMOOTHLY AND FASTENING TO ALLOW GATES TO REMAIN OPEN WHEN DESIRED. SEE DETAIL LC-501/B |
| SYMBOL | DEMOLITION HATCH DESCRIPTION |
| [Hatched Box] | EXISTING AREA THAT REQUIRES GRADING WORK FOR IMPROVEMENTS. APPLY POST-EMERGENT TO UNDISTURBED AND ACTIVELY GROWING WEEDS. PRIOR TO DEMOLITION OR GRADING SEE GRADING AND CONSTRUCTION PLANS & HERBICIDE NOTES. |
| [Cross-hatched Box] | EXISTING CONCRETE SIDEWALK TO BE REMOVED. REMOVE TO CLOSEST EXPANSION JOINT OR SAW CUT AT CONTROL JOINT. SEE CONSTRUCTION PLANS FOR REFERENCE LC-101-103. |

LEGEND GENERAL NOTES

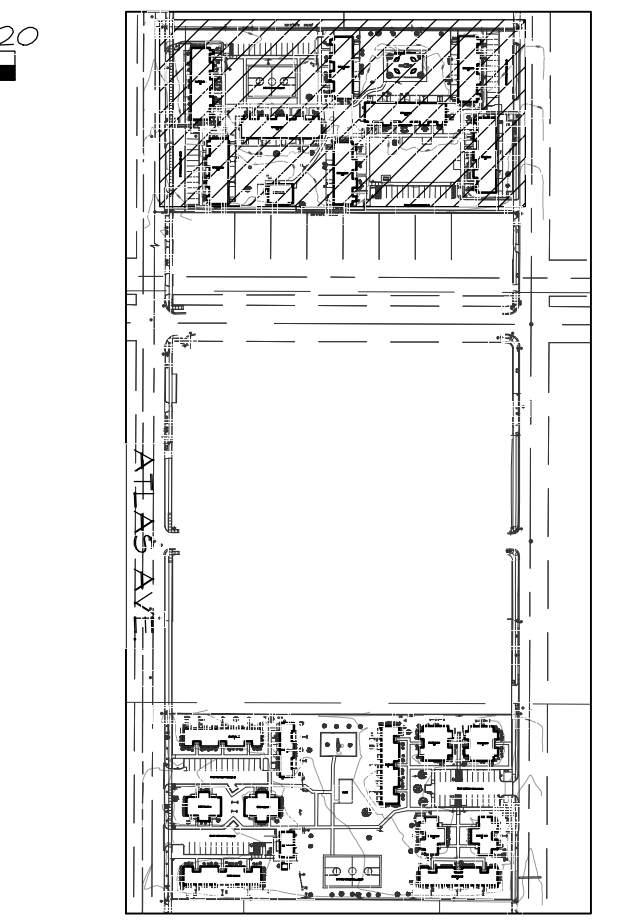
APPLY POST-EMERGENT HERBICIDE, REMOVE EXISTING MATERIALS AND GRADE AS NECESSARY FOR IMPROVEMENTS. DO NOT REMOVE TREES OR EXISTING UTILITIES, PROTECT FROM DAMAGE. HAND DIG AROUND EXISTING TREES AND PROVIDE TREE PROTECTION PER DETAIL D/LP-501. SEE GRADING AND CONSTRUCTION PLANS FOR NEW IMPROVEMENTS.

ALL EXISTING TREES, SHRUBS AND PLANTS TO REMAIN UNLESS OTHERWISE SPECIFIED. VERIFY WITH LANDSCAPE ARCHITECT IF SHRUBS OR TREES NEED TO BE REMOVED. PROTECT ALL EXISTING LANDSCAPE AREAS AND ITEMS FROM DAMAGE UNLESS OTHERWISE SPECIFIED.

(A) EXISTING/DEMOLITION LANDSCAPE PLAN SCALE 1:20

LEGEND SITE LEGEND

- | | |
|----------------------|--|
| [Starburst Symbol] | EXISTING SHRUBS TO REMAIN. PROTECT FROM DAMAGE |
| [Tree Symbol] | EXISTING TREES TO REMAIN. PROTECT FROM DAMAGE |
| [Clothesline Symbol] | EXISTING CLOTHESLINES TO REMAIN. PROTECT FROM DAMAGE |
| [Pole Symbol] | EXISTING POLES. SEE ELECTRICAL ENGINEERING SHEETS. |



SITES SOUTHWEST

4110 RIO BRAVO, SUITE 217
 EL PASO, TX 79902
 PHONE: 915-351-8800
 E-MAIL: mail@sites-sw.com
 WEB: www.sites-sw.com

CONSULTANTS

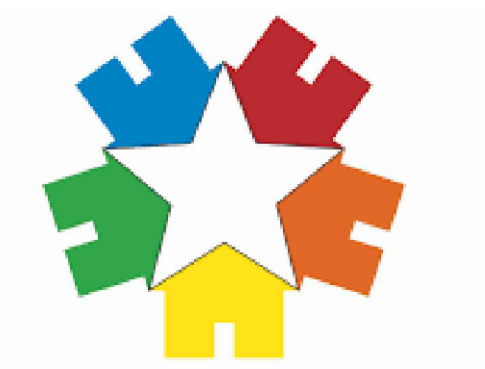


Deborah B. Hartzel
 05.28.19

PROJECT

CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
 4861 ATLAS AVE.
 EL PASO, TX 79904 (HART)
 4747 ATLAS AVE.
 EL PASO, TX 79904 (BAIRD)



Housing Authority of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

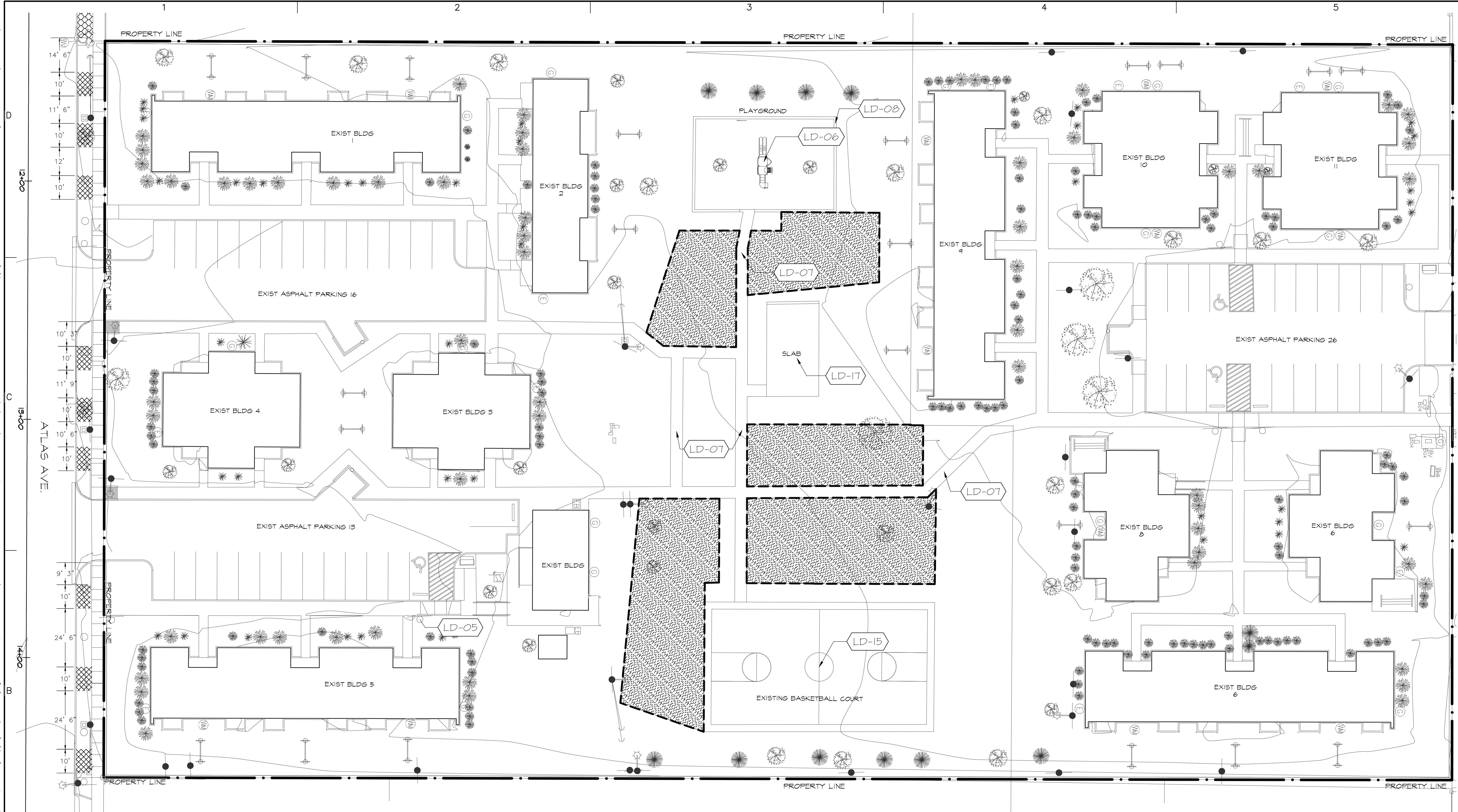
PROJECT NO:	2019048
CAD DWG FILE:	2019048 - DEMO - BAIRD.DWG
DRAWN BY:	STAFF
CHK'D BY:	D.B.H.
ISSUE DATE:	05/28/2019
COPYRIGHT:	SITES SOUTHWEST, LLC

DEMOLITION PLAN BAIRD

LD-102

P:\2019048_Hart & Baird Apts HACEP\4 - Drawings\CAD Drawings\100%BAIRD PROJECT\2019048 - DEMO - BAIRD.dwg 6-03-19 08:49:25 AM rmariscal

This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.



SITES
SOUTHWEST

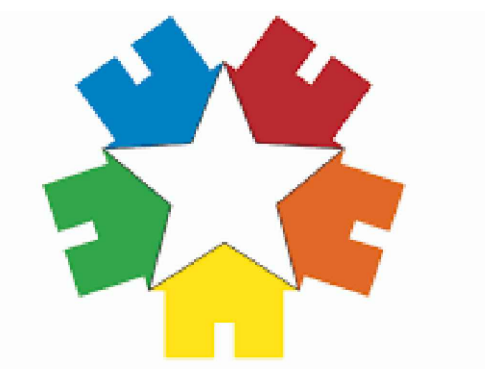
4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



Deborah B. Hartz
05.28.19

PROJECT
CDBG HART & BAIRD IMPROVEMENTS
ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO:	2019048
CAD DWG FILE:	2019048 - DEMO - HART.DWG
DRAWN BY:	STAFF
CHK'D BY:	D.B.H.
ISSUE DATE:	05/28/2019
COPYRIGHT:	SITES SOUTHWEST, LLC
SHEET TITLE	

DEMOLITION PLAN
HART

LD-103

REFERENCE NOTES SCHEDULE

SYMBOL	DEMOLITION DESCRIPTION
LD-05	EXISTING SIGN TO REMAIN. PROTECT FROM DAMAGE.
LD-06	EXISTING PLAYGROUND STRUCTURE TO REMAIN. PROTECT FROM DAMAGE.
LD-07	EXISTING CONCRETE PLAZA AND/OR SIDEWALK TO REMAIN. PROTECT FROM DAMAGE.
LD-08	EXISTING ROCK WALL AROUND PLAY AREA TO REMAIN. PROTECT FROM DAMAGE.
LD-15	EXISTING BASKETBALL COURT TO REMAIN. PROTECT FROM DAMAGE.
LD-17	EXISTING HANDBALL COURT TO REMAIN. PROTECT FROM DAMAGE.
SYMBOL	DEMOLITION HATCH DESCRIPTION
[Hatched Box]	EXISTING AREA THAT REQUIRES GRADING WORK FOR IMPROVEMENTS. APPLY POST-EMERGENT TO UNDISTURBED AND ACTIVELY GROWING NEEDS. PRIOR TO DEMOLITION OR GRADING SEE GRADING AND CONSTRUCTION PLANS & HERBICIDE NOTES.

LEGEND GENERAL NOTES

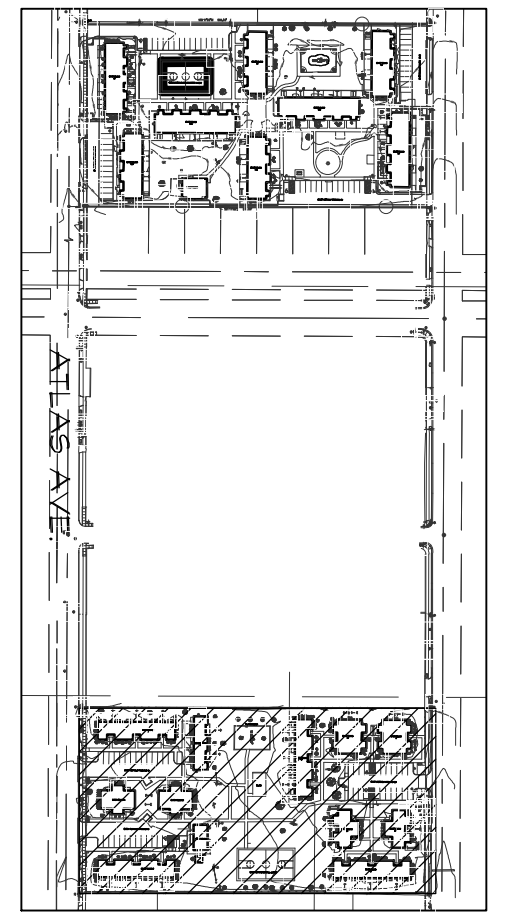
ALL EXISTING TREES, SHRUBS AND PLANTS TO REMAIN UNLESS OTHERWISE SPECIFIED. VERIFY WITH LANDSCAPE ARCHITECT IF SHRUBS OR TREES NEED TO BE REMOVED.

PROTECT ALL EXISTING LANDSCAPE AREAS AND ITEMS FROM DAMAGE UNLESS OTHERWISE SPECIFIED.

LEGEND SITE LEGEND

[Starburst Symbol]	EXISTING SHRUBS TO REMAIN. PROTECT FROM DAMAGE
[Tree Symbol]	EXISTING TREES TO REMAIN. PROTECT FROM DAMAGE
[Clothesline Symbol]	EXISTING CLOTHESLINES TO REMAIN. PROTECT FROM DAMAGE
[Pole Symbol]	EXISTING POLES. SEE ELECTRICAL ENGINEERING SHEETS.

(A) EXISTING/DEMOLITION LANDSCAPE PLAN
SCALE 1:20



(B) KEY MAP
NOT TO SCALE

P:\2019048_Hart & Baird Apts HACEP\4 - Drawings\CAD PROJECT\2019048 - DEMO - HART.dwg 5-30-19 05:44:00 PM vlopez

SHEETS
LC-102
LC-401

SHEETS
LC-103
LC-402

BAIRD APTS.

HART APTS.

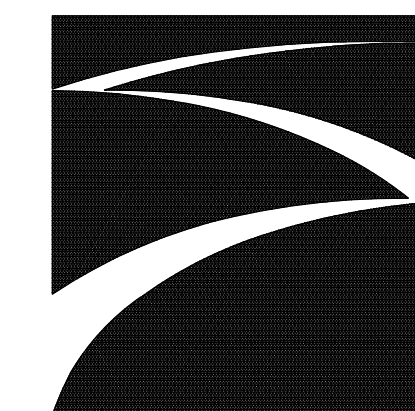
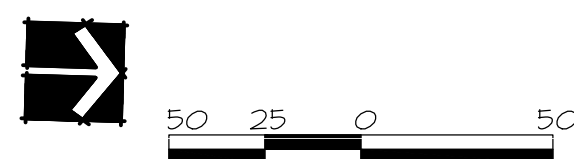
TITANIC AVE.

SHEET
LC-101

ATLAS AVE.

(A) OVERVIEW SITE PLAN

SCALE 1:50



SITES
SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800

E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



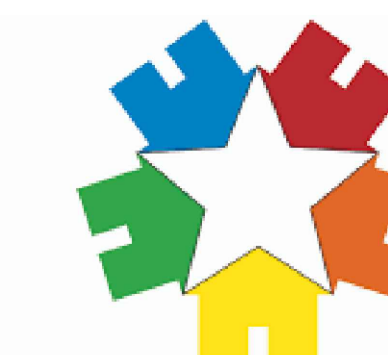
Deborah B. Hixley
05.28.19

PROJECT

CDBG HART & BAIRD
IMPROVEMENTS

ADDRESS

4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

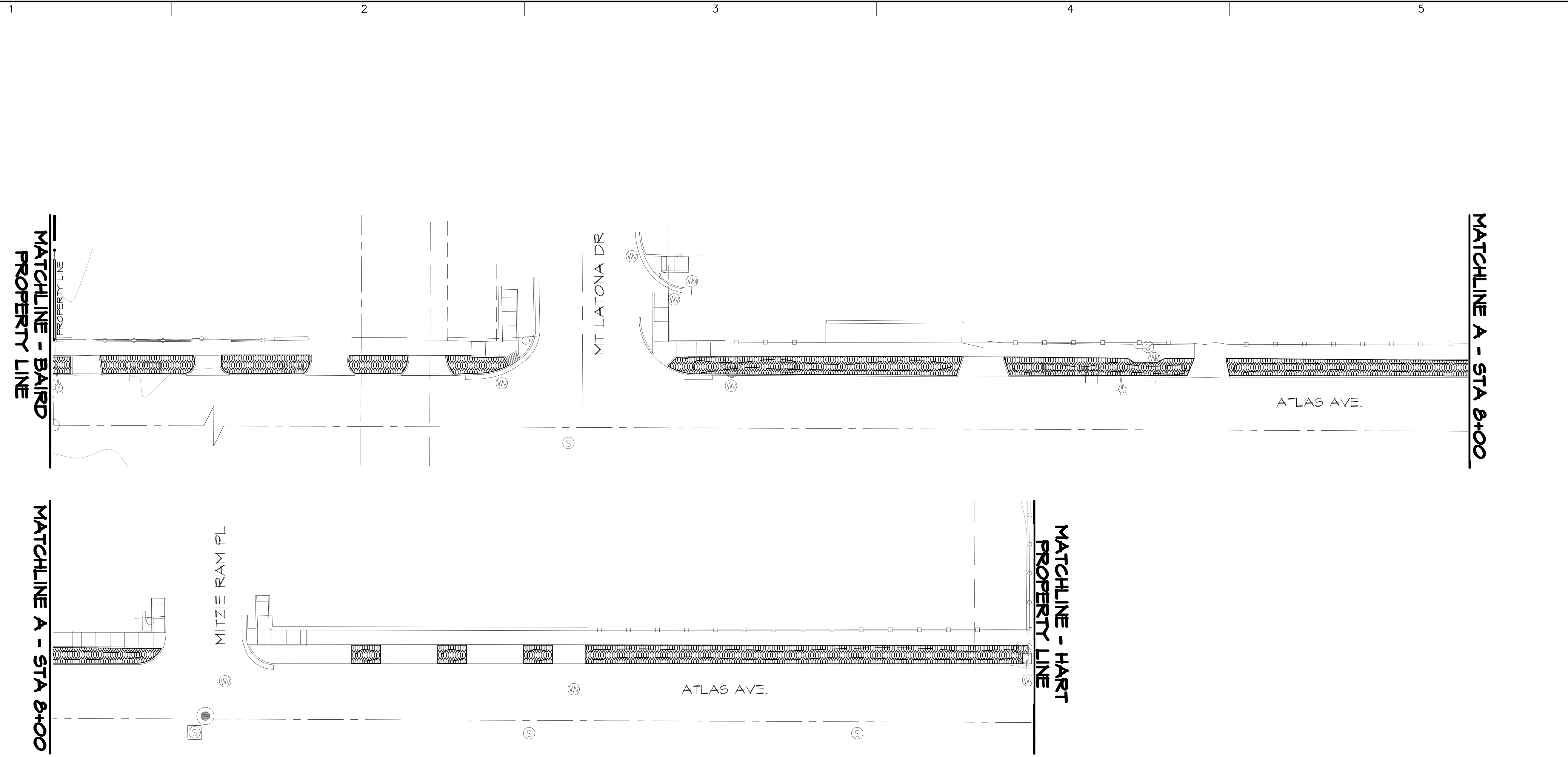
PROJECT NO:	2019048
CAD DWG FILE:	2019048 - OVERALL.PLAN.DWG
DRAWN BY:	STAFF
CHK'D BY:	D.B.H.
ISSUE DATE:	05/28/2019
COPYRIGHT:	SITES SOUTHWEST, LLC

SHEET TITLE
OVERALL
CONSTRUCTION
PLAN

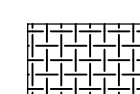
LC-100

This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.


This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.



SITE LEGEND

 PROVIDE AND INSTALL 4" DEPTH CONCRETE, BROOM FINISH, MAX 2% IN ALL DIRECTIONS. PROVIDE 1/2" BITUMINOUS EXPANSION MATERIAL WHERE NEW CONCRETE ABUTS EXISTING CONCRETE. SEE DETAIL LC-501/A

GENERAL NOTES

 SWALE FOR WATER HARVESTING GRADUALLY GRADE USING 6" CONTOURS. LANDSCAPE CONTRACTOR TO FINALIZE SWALES AND SMOOTHING OF SIDES, FOR APPROVAL BY LANDSCAPE ARCHITECT.

NEW INSTALLATION OF PLAY EQUIPMENT SHALL BE OUT OF THE EXISTING PLAYGROUND FALL ZONE.

CONTRACTOR SHALL PROVIDE STRUCTURAL ENGINEER'S DESIGN DRAWINGS AND STAMP TO BE APPROVED PRIOR TO ON-SET OF CONSTRUCTION FOR FUTSAL COURT POST-TENSIONED CONCRETE

GEOTECHNICAL REPORT WILL BE PROVIDED BY CONTRACTOR.



SITES
SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



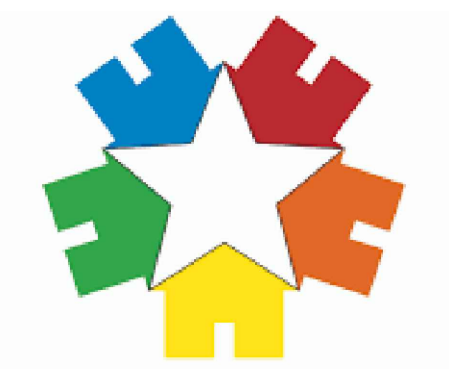
Deborah B. Hartzel
05.28.19

PROJECT

CDBG HART & BAIRD IMPROVEMENTS

ADDRESS

4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

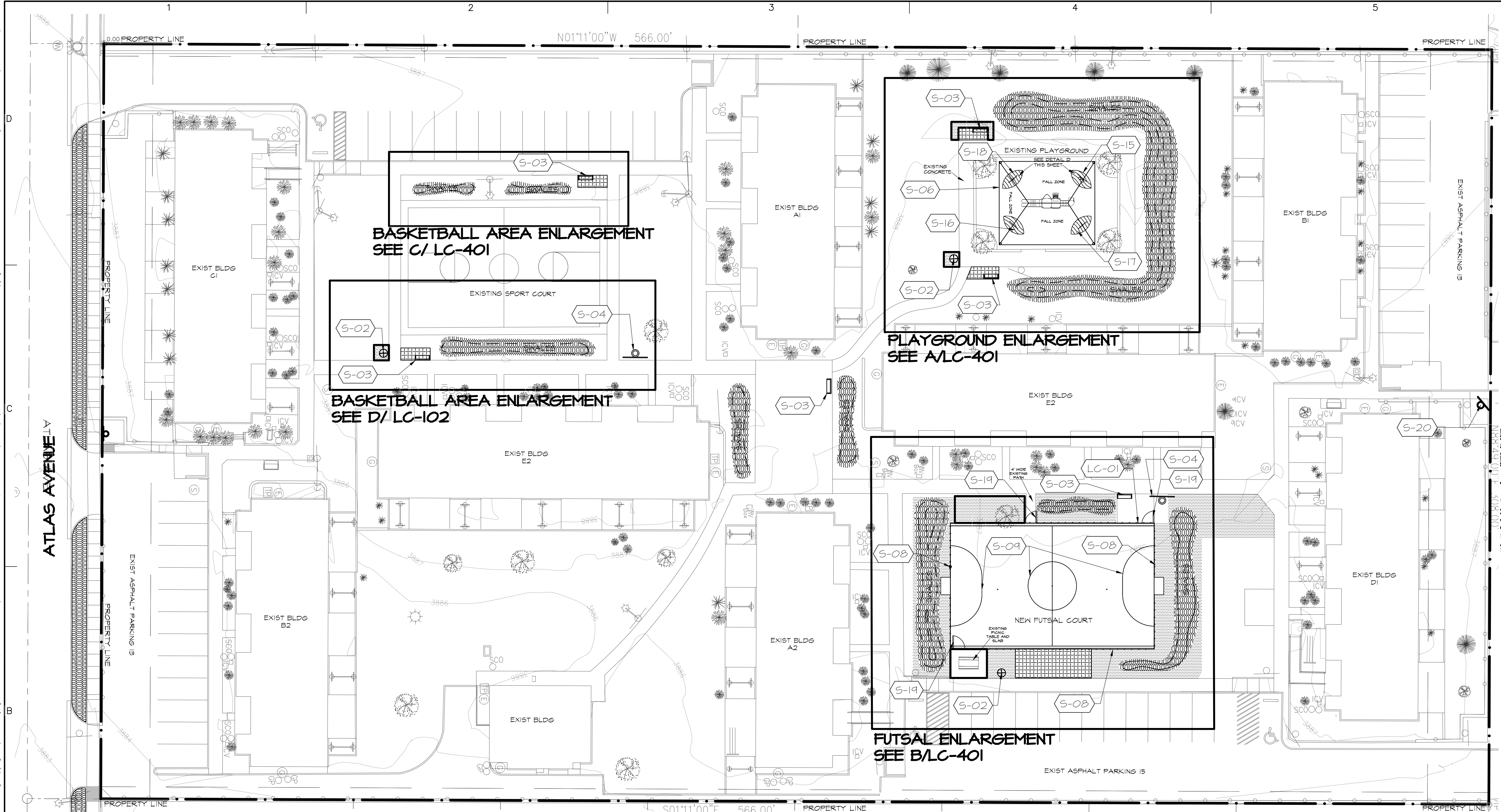
FINAL FOR CONSTRUCTION

REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
CAD DWG FILE: 2019048 - CONST - BAIRD.DWG
DRAWN BY: STAFF
CHK'D BY: D.B.H.
ISSUE DATE: 05/28/2019
COPYRIGHT: SITES SOUTHWEST, LLC

SHEET TITLE
CONSTRUCTION PLAN
ATLAS AVE.
ATLAS
LC-101

This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.



SITE LEGEND

- | | |
|---------------|---|
| SYMBOL | CONSTRUCTION DESCRIPTION |
| (LC-01) | PROVIDE SMOOTH & FLUSH TRANSITION FROM EXISTING CONCRETE PATH TO NEW CONCRETE. AREA SHALL BE MAX 5% RUNING SLOPE UN ALL DIRECTIONS. |
| SYMBOL | SITE FURNISHING DESCRIPTION |
| (S-02) | PROVIDE AND INSTALL NEW TRASH RECEPTACLE. SEE DETAIL LC-502/B |
| (S-03) | PROVIDE AND INSTALL NEW BENCH. SEE DETAIL LC-502/A |
| (S-04) | PROVIDE AND INSTALL RULES SIGN. SEE DETAIL LC-501/E |
| (S-06) | PROVIDE AND INSTALL NEW FABRIC PLAYGROUND CANOPY. SEE DETAIL LC-503/A |
| (S-08) | PROVIDE AND INSTALL 8' HIGH WELDED WIRE MESH FENCE AROUND FUTSAL COURT. SEE DETAIL LC-501/B |
| (S-09) | PROVIDE AND INSTALL FULL POST-TENSIONED CONCRETE FUTSAL COURT WITH MARKINGS AND GOALS. FUTSAL COURT SHALL BE PAINTED BLUE WITH WHITE MARKINGS. NO AREA OF SLAB SHALL BE LEFT UNPAINTED. SEE DETAIL LC-501/D AND NOTES |

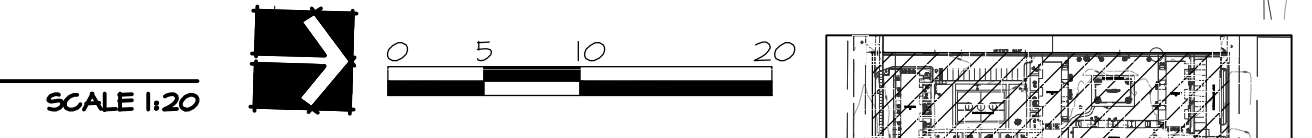
- | | |
|--------|---|
| (S-15) | PROVIDE AND INSTALL NEW PLAY PIECE, LANDSCAPE STRUCTURES 'BONGO PANEL' MODEL #168107, SEE DETAIL LC-502/G |
| (S-16) | PROVIDE AND INSTALL NEW PLAY PIECE, LANDSCAPE STRUCTURES 'MARBLE PANEL' MODEL #168662, SEE DETAIL LC-502/H |
| (S-17) | PROVIDE AND INSTALL NEW PLAY PIECE, LANDSCAPE STRUCTURES 'RAIN SOUND WHEEL PANEL' MODEL #177721, SEE DETAIL LC-502/E |
| (S-18) | PROVIDE AND INSTALL NEW PLAY PIECE, LANDSCAPE STRUCTURES 'IMAGINATION TABLE PANEL' MODEL #168105, SEE DETAIL LC-502/F |
| (S-19) | PROVIDE AND INSTALL 5 FT. WIDE WELDED WIRE MESH GATE AND SUPPORTS. GATE INCLUDES FENCE PANELS, POSTS, FOOTINGS, HINGES, LOCKS, AND ALL FENCE COMPONENTS. CONTRACTOR TO PROVIDE UNOBSTRUCTED PATH TO ALLOW GATES TO OPEN AND CLOSE SMOOTHLY AND FASTENING TO ALLOW GATES TO REMAIN OPEN WHEN DESIRED.. SEE DETAIL LC-501/B |
| (S-20) | PROVIDE AND INSTALL PLAY AREAS OPEN TO PUBLIC SIGN SEE DETAIL LC-501/E |

- | | |
|-------------------------|---|
| SYMBOL | CONSTRUCTION HATCH DESCRIPTION |
| [Grid Pattern] | PROVIDE AND INSTALL 4" DEPTH CONCRETE. BROOM FINISH. MAX 2% IN ALL DIRECTIONS. PROVIDE 1/2" BITUMINOUS EXPANSION MATERIAL WHERE NEW CONCRETE ABUTS EXISTING CONCRETE. SEE DETAIL LC-501/A |
| [Rainbow Rock Pattern] | PROVIDE AND INSTALL 1" RAINBOW ROCK DESERT TAN OR APPROVED EQUAL. 3" DEPTH WITH WEED BARRIER FABRIC. |
| [Wavy Line Pattern] | POURED-IN-PLACE OVER CONCRETE SUB BASE. PROVIDE AND INSTALL. COLOR MIX: 50% BRIGHT GREEN 10% DARK GREEN 10% ARMY GREEN 10% YELLOW/GOLD 10% TEAL 10% BEIGE. SEE DETAIL D/LC-502 |
| [Vertical Line Pattern] | COLOR BRIGHT GREEN POURED-IN-PLACE OVER CONCRETE SUB BASE. SEE DETAIL D/LC-502 |
| [Dotted Pattern] | PROVIDE AND INSTALL SCREENINGS, MATCH EXISTING 2" DEPTH WEED BARRIER FABRIC. |

(A) OVERALL SITE PLAN

GENERAL NOTES

- SWALE FOR WATER HARVESTING GRADUA GRADE USING 6' CONTOURS. LANDSCAPE CONTRACTOR TO FINALIZE SWALES AND SMOOTHING OF SIDES, FOR APPROVAL BY LANDSCAPE ARCHITECT.
- NEW INSTALLATION OF PLAY EQUIPMENT SHALL BE OUT OF THE EXISTING PLAYGROUND FALL ZONE.
- CONTRACTOR SHALL PROVIDE STRUCTURAL ENGINEER'S DESIGN DRAWINGS AND STAMP, TO BE APPROVED PRIOR TO ON-SET OF CONSTRUCTION FOR FUTSAL COURT POST-TENSIONED CONCRETE
- GEOTECHNICAL REPORT WILL BE PROVIDED BY CONTRACTOR.



(B) KEY MAP
NOT TO SCALE

4110 RIO BRAVO, SUITE 217
 EL PASO, TX 79902
 PHONE: 915-351-8800
 E-MAIL: mail@sites-sw.com
 WEB: www.sites-sw.com

CONSULTANTS

Deborah B. Hixson
 05.28.19

PROJECT
 CDBG HART & BAIRD IMPROVEMENTS
ADDRESS
 4861 ATLAS AVE.
 EL PASO, TX 79904 (HART)
 4747 ATLAS AVE.
 EL PASO, TX 79904 (BAIRD)

Housing Authority of the City of El Paso

FINAL FOR CONSTRUCTION

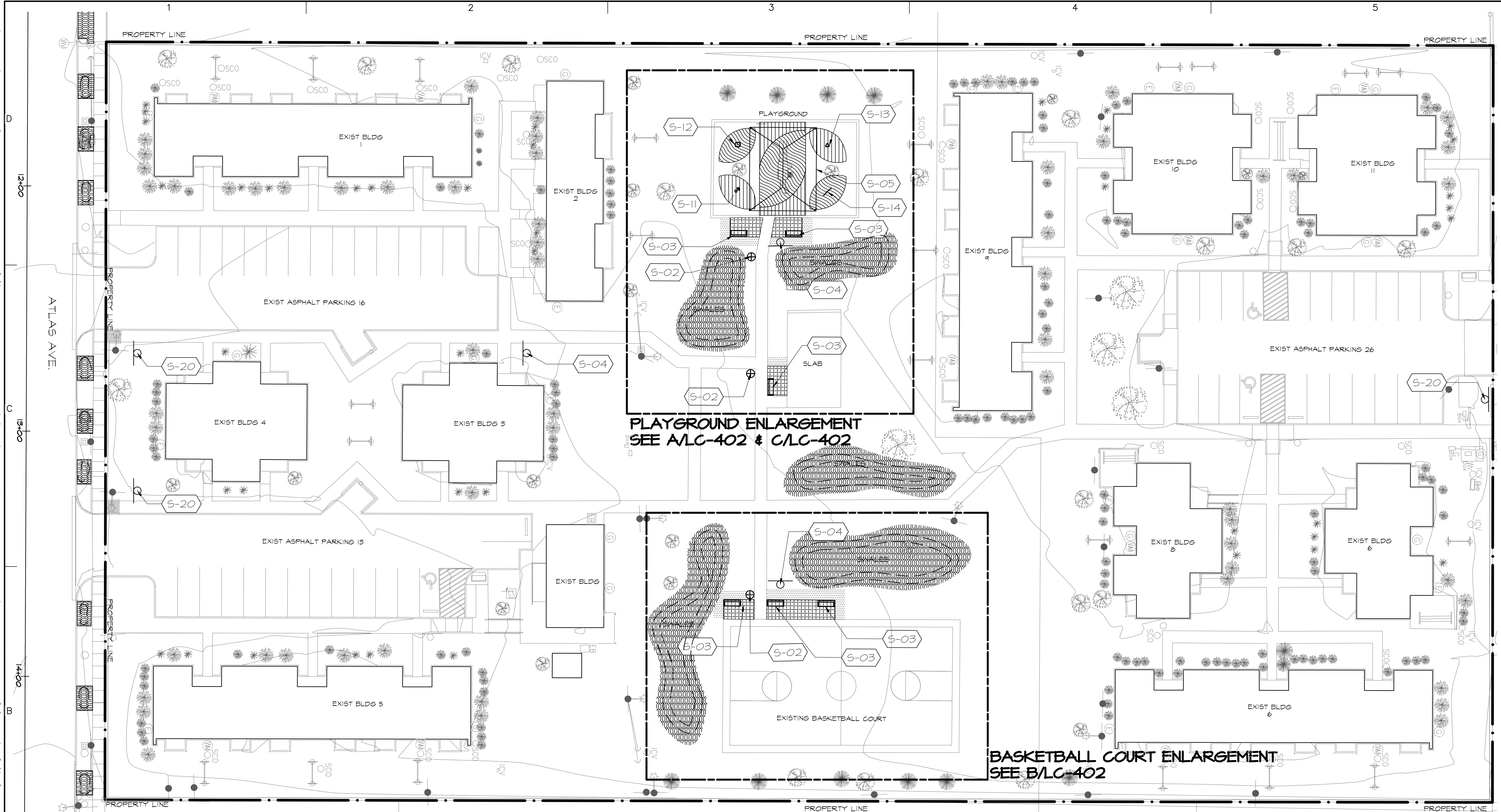
REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
 CAD DWG FILE: 2019048 - CONST - BAIRD.DWG
 DRAWN BY: STAFF
 CHK'D BY: D.B.H.
 ISSUE DATE: 05/28/2019
 COPYRIGHT: SITES SOUTHWEST, LLC

CONSTRUCTION PLAN
BAIRD
 LC-102

P:\2019048_Hort & Baird Apts HACEP\4 - Drawings\CAD Drawings\100%BAIRD PROJECT\2019048 - CONST - BAIRD.dwg 6-13-19 09:51:02 AM rmariscal

This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.



AMENITIES SCHEDULE

SYMBOL	SITE FURNISHING DESCRIPTION
S-02	PROVIDE AND INSTALL NEW TRASH RECEPTACLE, SEE DETAIL LC-502/B
S-03	PROVIDE AND INSTALL NEW BENCH, SEE DETAIL LC-502/A
S-04	PROVIDE AND INSTALL RULES SIGN, SEE DETAIL LC-501/E
S-05	PROVIDE AND INSTALL NEW FABRIC PLAYGROUND CANOPY, SEE DETAIL LC-503/B
S-11	PROVIDE AND INSTALL NEW PLAY PIECE, LANDSCAPE STRUCTURES 'BOBBLE RIDER' SINGLE, MODEL #164070, SEE DETAIL LC-504/D
S-12	PROVIDE AND INSTALL NEW PLAY PIECE, LANDSCAPE STRUCTURES 'CHILL SPINNER' MODEL #247189, SEE DETAIL LC-504/A
S-13	PROVIDE AND INSTALL NEW PLAY PIECE, LANDSCAPE STRUCTURES 'SADDLE SPINNER' MODEL #152179, SEE DETAIL LC-504/C
S-14	PROVIDE AND INSTALL NEW PLAY PIECE, LANDSCAPE STRUCTURES 'COLOR SPLASH PANEL' MODEL #117715, SEE DETAIL LC-504/B

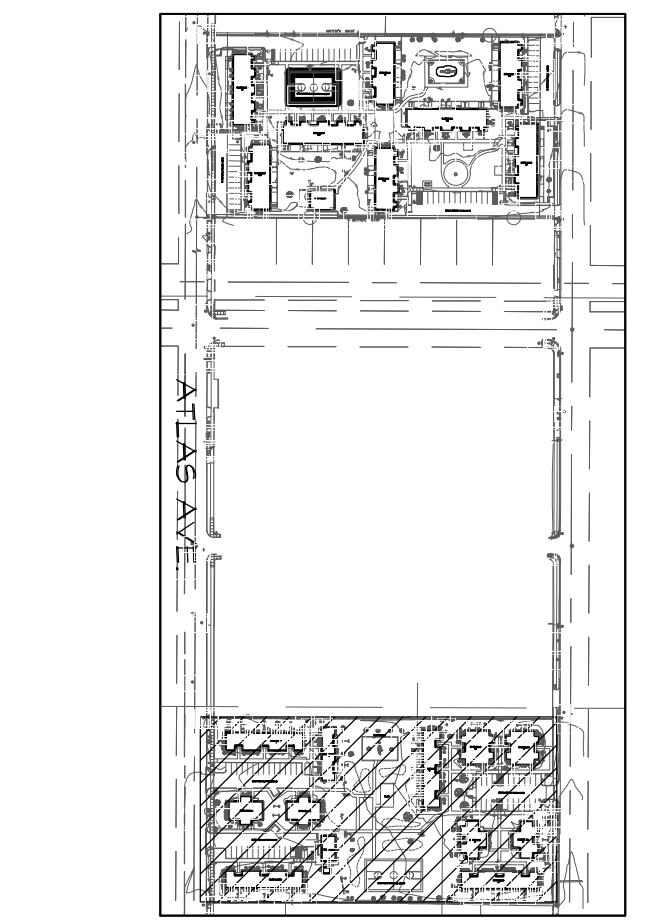
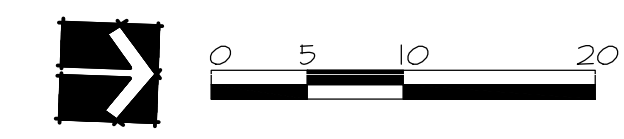
S-20	PROVIDE AND INSTALL PLAY AREAS OPEN TO PUBLIC SIGN SEE DETAIL LC-501/E
CONSTRUCTION HATCH DESCRIPTION	
[Grid Hatch]	PROVIDE AND INSTALL 4" DEPTH CONCRETE, BROOM FINISH, MAX 2% IN ALL DIRECTIONS, PROVIDE 1/2" BITUMINOUS EXPANSION MATERIAL WHERE NEW CONCRETE ABUTS EXISTING CONCRETE, SEE DETAIL LC-501/A
[Rainbow Rock Hatch]	PROVIDE AND INSTALL 1" RAINBOW ROCK DESERT TAN OR APPROVED EQUAL, 3" DEPTH WITH NEED BARRIER FABRIC.
[Pour-in-place Hatch]	POURED-IN-PLACE OVER CONCRETE SUB BASE, PROVIDE AND INSTALL, COLOR MIX: 50% BRIGHT GREEN 10% DARK GREEN 10% ARMY GREEN 10% YELLOW/GOLD 10% TEAL 10% BEIGE, SEE DETAIL D/LC-502
[Color Hatch]	COLOR BRIGHT GREEN POURED-IN-PLACE OVER CONCRETE SUB BASE, SEE DETAIL D/LC-502
[Screening Hatch]	PROVIDE AND INSTALL SCREENINGS, MATCH TO EXISTING COLOR 2" DEPTH WITH FABRIC BARRIER UNDERLAYMENT

LEGEND

- SWALE FOR WATER HARVESTING GRADUALLY GRADE USING 6" CONTOURS, LANDSCAPE CONTRACTOR TO FINALIZE SWALES AND SMOOTHING OF SIDES, FOR APPROVAL BY LANDSCAPE ARCHITECT.
- INSTALLATION OF NEW PLAY EQUIPMENT AND INDEPENDENT PLAY PIECES SHALL BE OUTSIDE OF THE EXISTING PLAYGROUND FALL ZONE.
- ALL AMENITIES SHALL BE AS INDICATED OR APPROVED EQUAL.
- EXISTING EWF SHALL BE EVENLY DISTRIBUTED THROUGHOUT.

(A) OVERALL SITE PLAN

SCALE 1:20



(B) KEY MAP
NOT TO SCALE



SITES SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

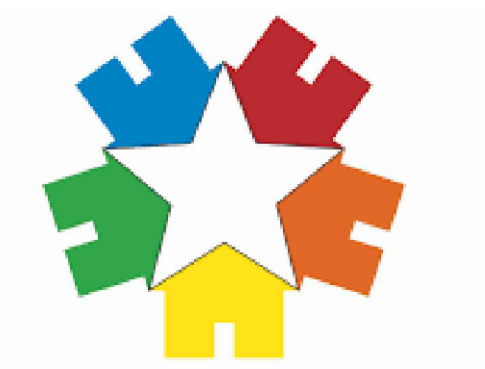
CONSULTANTS



Deborah B. Hartz
05.28.19

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority of the City of El Paso

FINAL FOR CONSTRUCTION

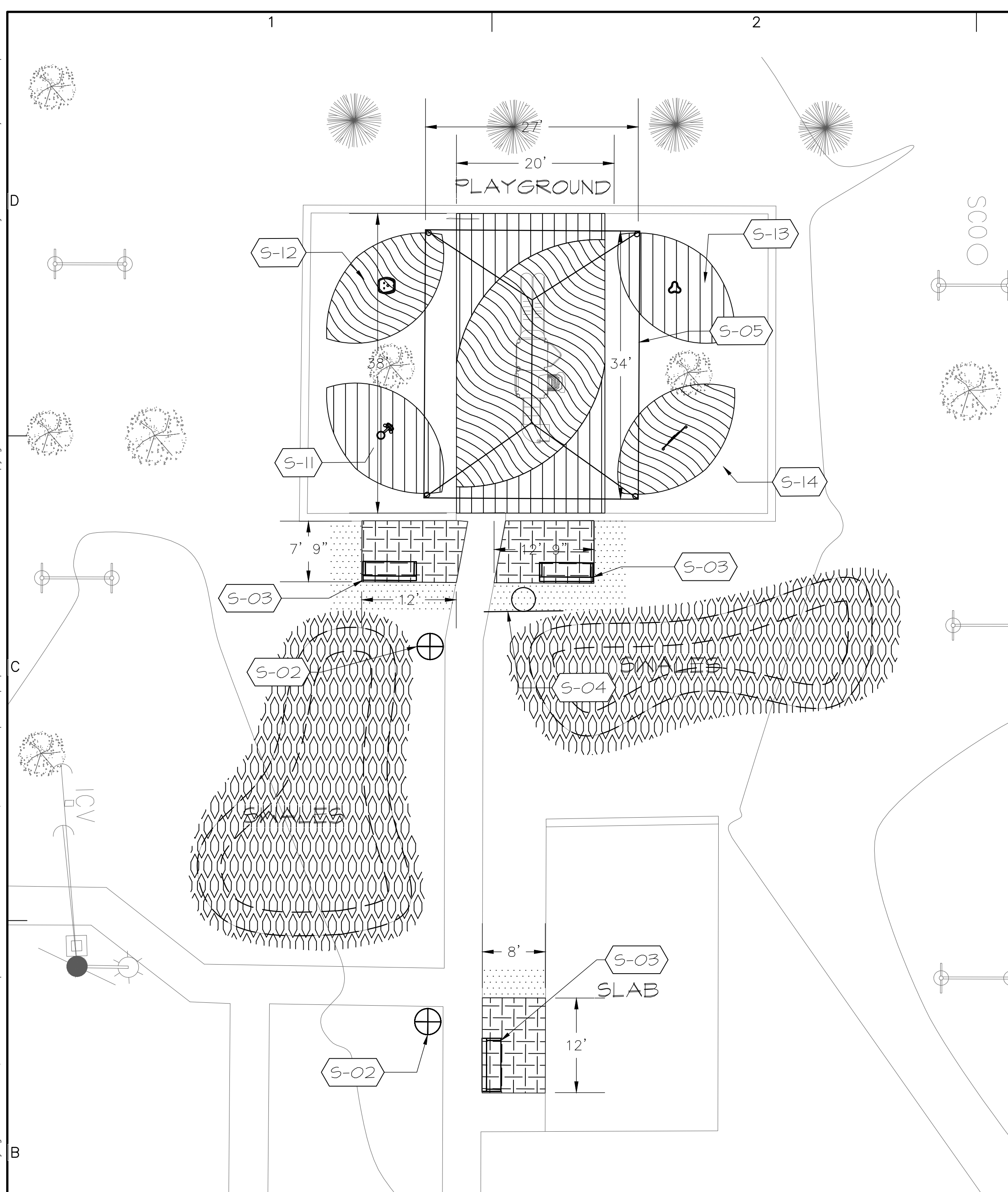
REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
CAD DWG FILE: 2019048 - CONST - HART.DWG
DRAWN BY: STAFF
CHK'D BY: D.B.H.
ISSUE DATE: 05/28/2019
COPYRIGHT: SITES SOUTHWEST, LLC

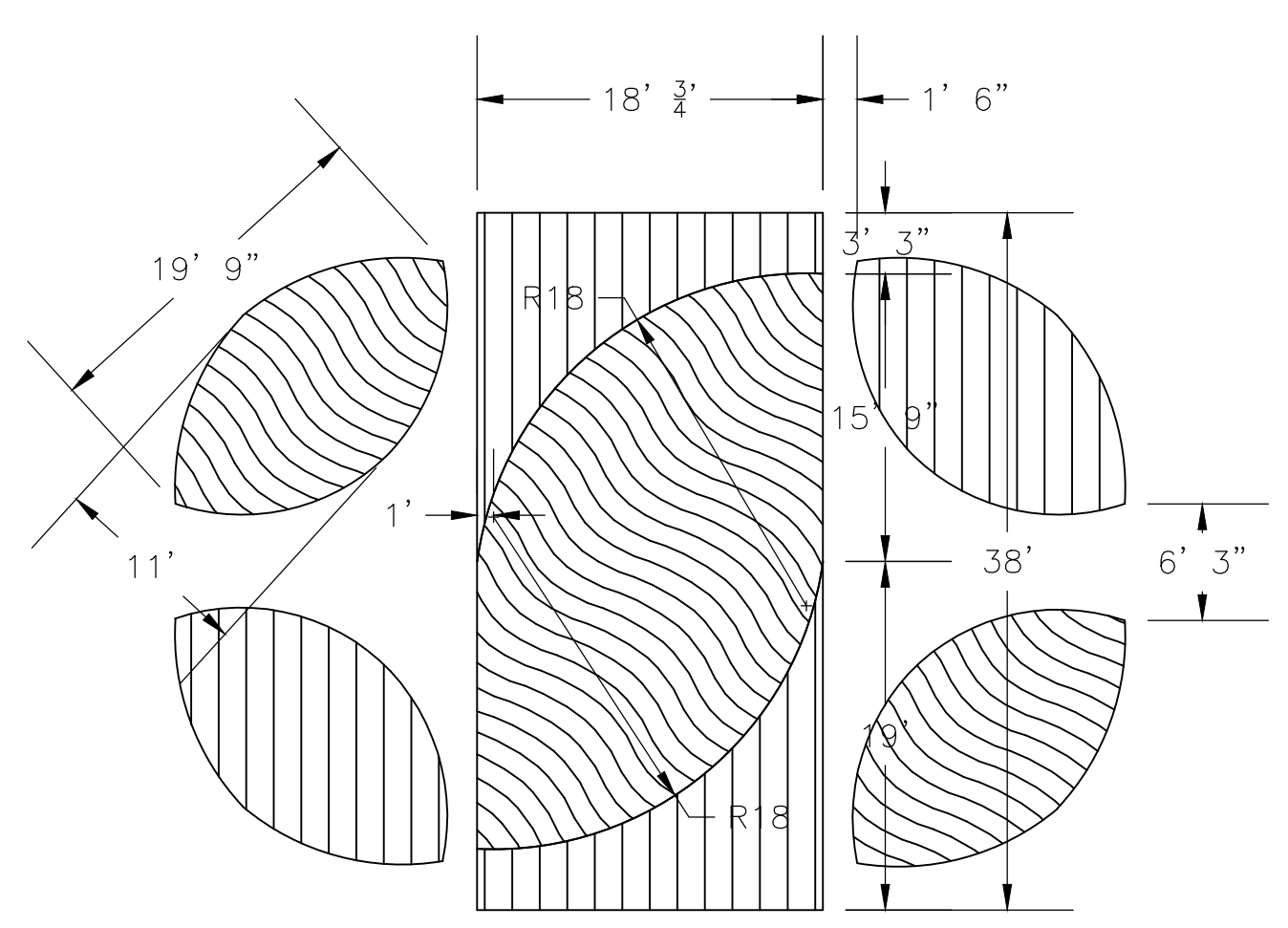
CONSTRUCTION PLAN HART

LC-103

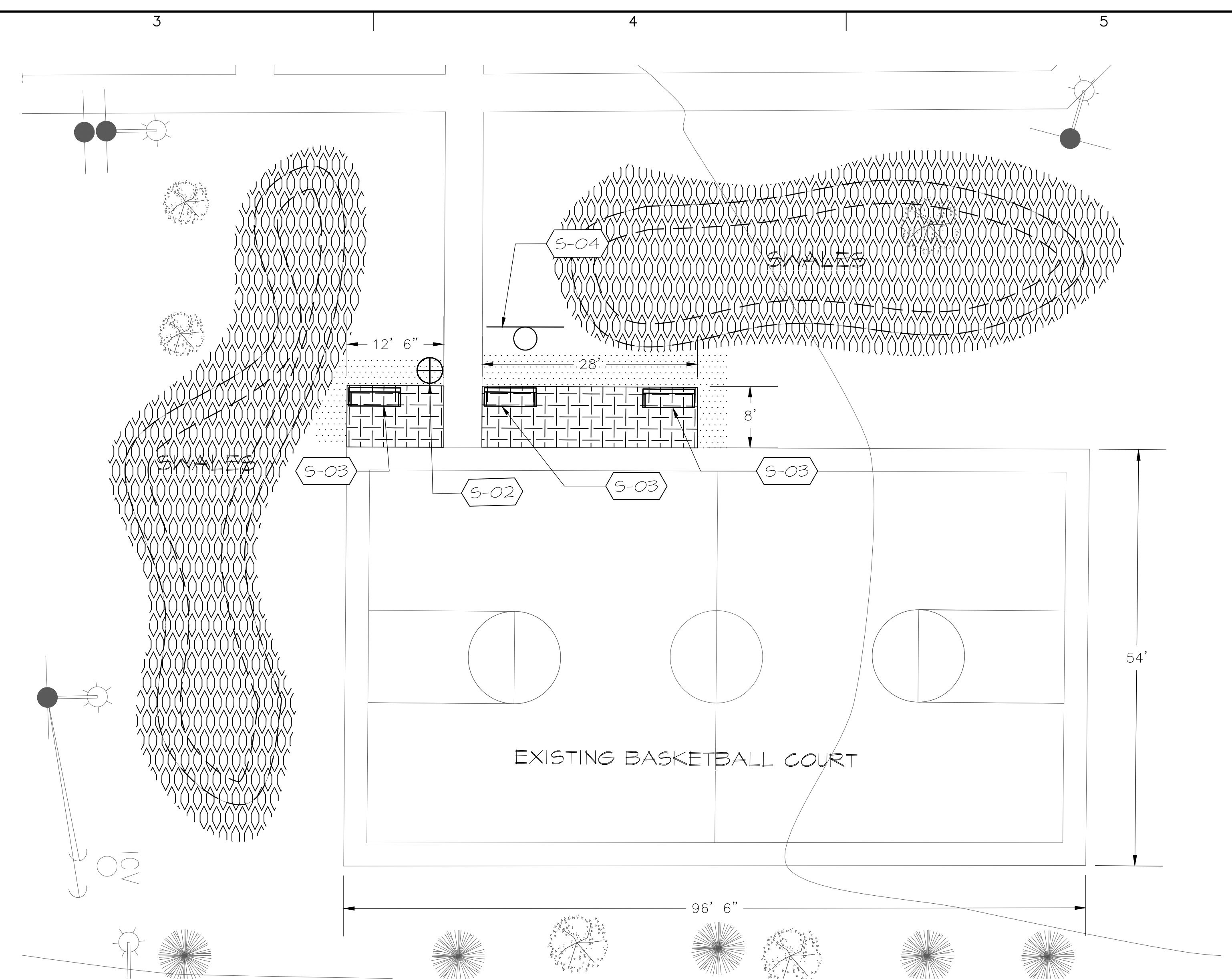
This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.



(A) PLAYGROUND ENLARGEMENT PLAN
SCALE 1/10



(C) PLAYGROUND NEW POURED-IN-PLACE SURFACING DESIGN
SCALE 1/10



(B) BASKETBALL ENLARGEMENT PLAN
SCALE 1/10

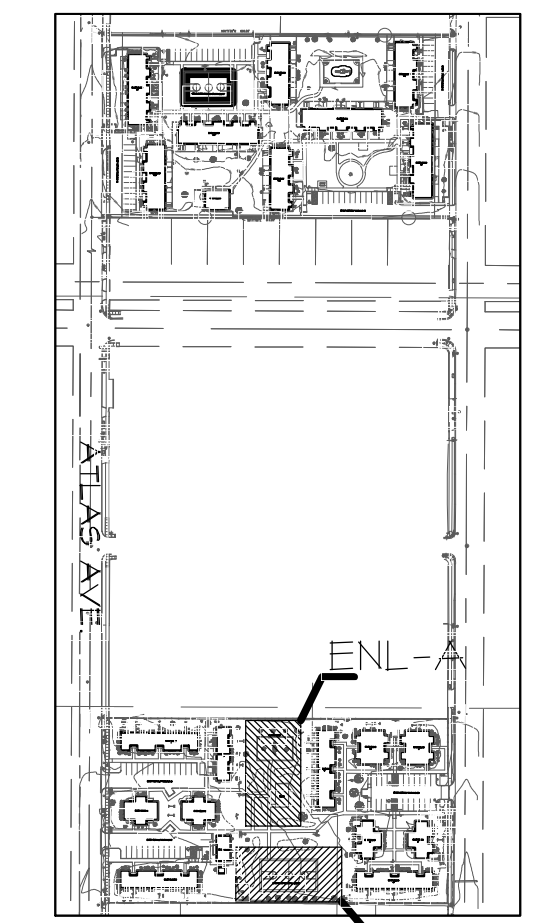
AMENITIES SCHEDULE

SYMBOL	SITE FURNISHING DESCRIPTION
(S-02)	PROVIDE AND INSTALL NEW TRASH RECEPTACLE, SEE DETAIL LC-502/B
(S-03)	PROVIDE AND INSTALL NEW BENCH, SEE DETAIL LC-502/A
(S-04)	PROVIDE AND INSTALL RULES SIGN, SEE DETAIL LC-501/E
(S-05)	PROVIDE AND INSTALL NEW FABRIC PLAYGROUND CANOPY, SEE DETAIL LC-503/B
(S-11)	PROVIDE AND INSTALL NEW PLAY PIECE, LANDSCAPE STRUCTURES 'BOBBLE RIDER' SINGLE, MODEL #1640T0, SEE DETAIL LC-504/D
(S-12)	PROVIDE AND INSTALL NEW PLAY PIECE, LANDSCAPE STRUCTURES 'CHILL SPINNER' MODEL #241109, SEE DETAIL LC-504/A
(S-13)	PROVIDE AND INSTALL NEW PLAY PIECE, LANDSCAPE STRUCTURES 'SADDLE SPINNER' MODEL #152119, SEE DETAIL LC-504/C
(S-14)	PROVIDE AND INSTALL NEW PLAY PIECE, LANDSCAPE STRUCTURES 'COLOR SPLASH PANEL' MODEL #117715, SEE DETAIL LC-504/B
(S-20)	PROVIDE AND INSTALL PLAY AREAS OPEN TO PUBLIC SIGN SEE DETAIL LC-501/E

SYMBOL	CONSTRUCTION HATCH DESCRIPTION
[Grid Pattern]	PROVIDE AND INSTALL 4" DEPTH CONCRETE, BROOM FINISH, MAX 2% IN ALL DIRECTIONS, PROVIDE 1/2" BITUMINOUS EXPANSION MATERIAL WHERE NEW CONCRETE ABUTS EXISTING CONCRETE. SEE DETAIL LC-501/A
[Wavy Pattern]	PROVIDE AND INSTALL 1" RAINBOW ROCK DESERT TAN OR APPROVED EQUAL, 3" DEPTH WITH WEED BARRIER FABRIC.
[Diagonal Lines]	POURED-IN-PLACE OVER CONCRETE SUB BASE, PROVIDE AND INSTALL, COLOR MIX: 50% BRIGHT GREEN 10% DARK GREEN 10% ARMY GREEN 10% YELLOW/GOLD 10% TEAL 10% BEIGE. SEE DETAIL D/LC-502
[Vertical Lines]	COLOR BRIGHT GREEN POURED-IN-PLACE OVER CONCRETE SUB BASE, SEE DETAIL D/LC-502
[Dotted Pattern]	PROVIDE AND INSTALL SCREENINGS, MATCH TO EXISTING COLOR 2" DEPTH WITH FABRIC BARRIER UNDERLAYMENT

LEGEND

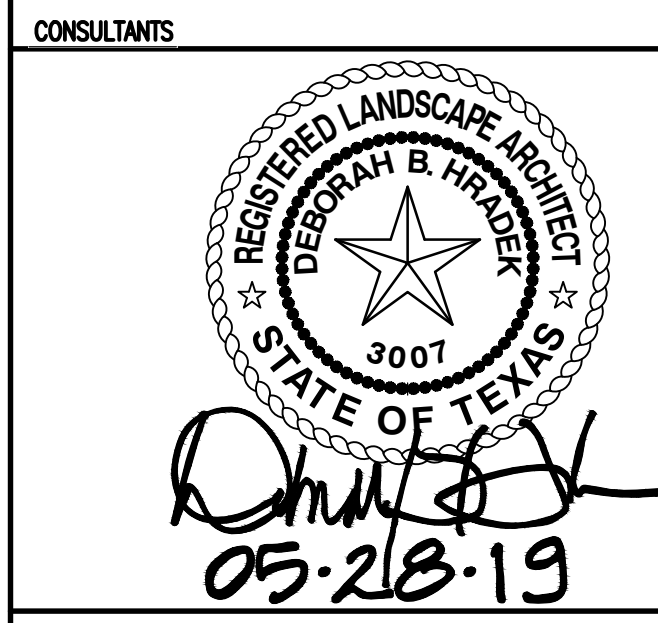
- SWALE FOR WATER HARVESTING GRADUALLY GRADE USING 6" CONTOURS, LANDSCAPE CONTRACTOR TO FINALIZE SWALES AND SMOOTHING OF SIDES, FOR APPROVAL BY LANDSCAPE ARCHITECT.
- INSTALLATION OF NEW PLAY EQUIPMENT AND INDEPENDENT PLAY PIECES SHALL BE OUTSIDE OF THE EXISTING PLAYGROUND FALL ZONE.
- ALL AMENITIES SHALL BE AS INDICATED OR APPROVED EQUAL.
- EXISTING ENF SHALL BE EVENLY DISTRIBUTED THROUGHOUT.



(B) KEY MAP
NOT TO SCALE



4110 RIO BRAVO, SUITE 217
 EL PASO, TX 79902
 PHONE: 915-351-8800
 E-MAIL: mail@sites-sw.com
 WEB: www.sites-sw.com



PROJECT
 CDBG HART & BAIRD IMPROVEMENTS
ADDRESS
 4861 ATLAS AVE.
 EL PASO, TX 79904 (HART)
 4747 ATLAS AVE.
 EL PASO, TX 79904 (BAIRD)



FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO:	2019048
CAD DWG FILE:	2019048 - CONST - HART.DWG
DRAWN BY:	STAFF
CHK'D BY:	D.B.H.
ISSUE DATE:	05/28/2019
COPYRIGHT:	SITES SOUTHWEST, LLC
SHEET TITLE	

**ENLARGEMENT PLAN
HART**

LC-402



SITES SOUTHWEST

4110 RIO BRAVO, SUITE 217 EL PASO, TX 79902 PHONE:915-351-8800

E-MAIL: mail@sites-sw.com WEB: www.sites-sw.com

CONSULTANTS



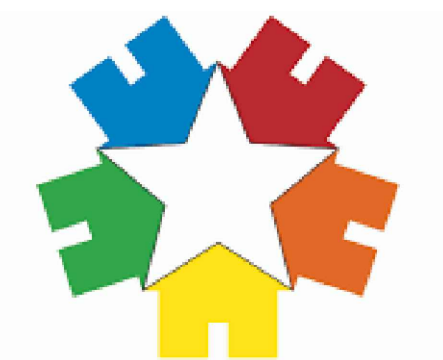
Signature and date: 05.28.19

PROJECT

CDBG HART & BAIRD IMPROVEMENTS

ADDRESS

4861 ATLAS AVE. EL PASO, TX 79904 (HART) 4747 ATLAS AVE. EL PASO, TX 79904 (BAIRD)



Housing Authority of the City of El Paso

FINAL FOR CONSTRUCTION

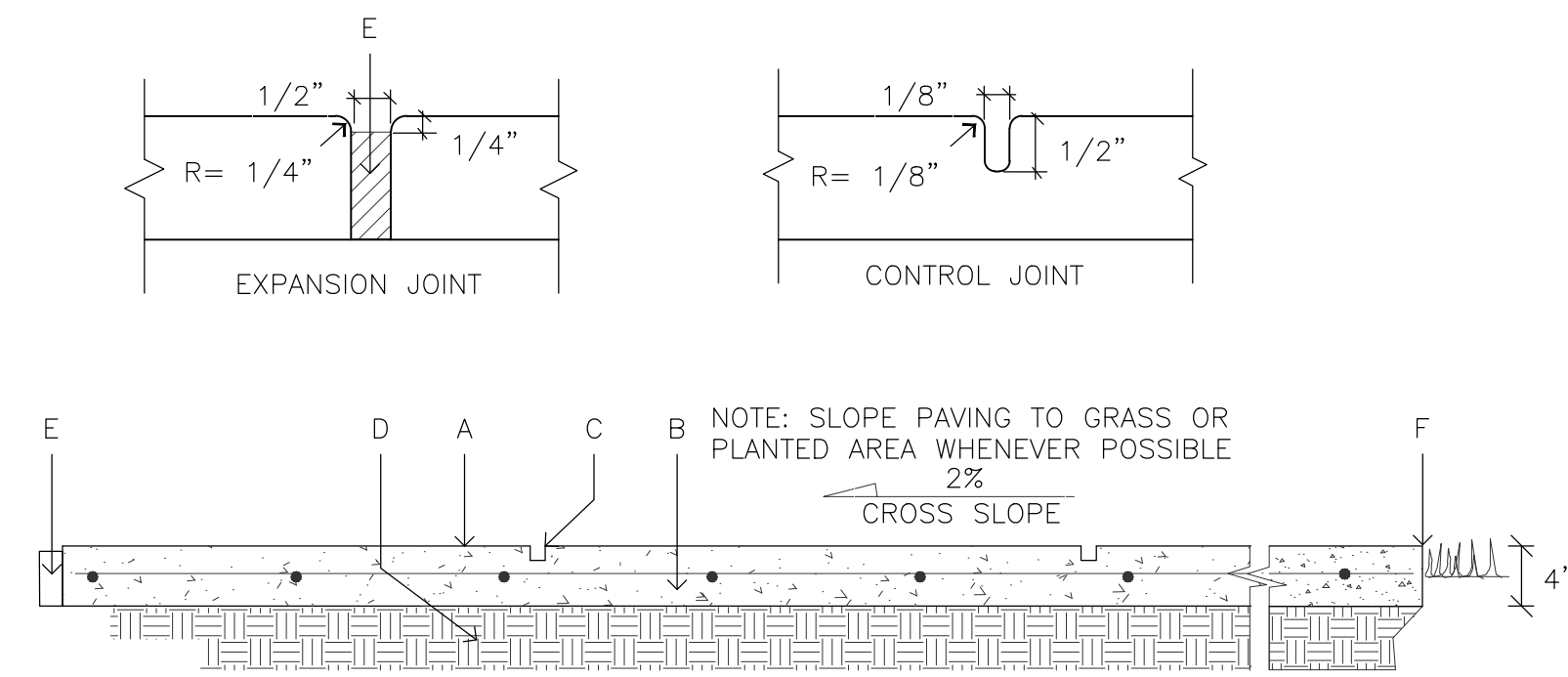
MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
 CAD DWG FILE: 2019048 - DETAILS.DWG
 DRAWN BY: STAFF
 CHK'D BY: D.B.H.
 ISSUE DATE: 05/28/2019
 COPYRIGHT: SITES SOUTHWEST, LLC

SHEET TITLE

CONSTRUCTION DETAILS

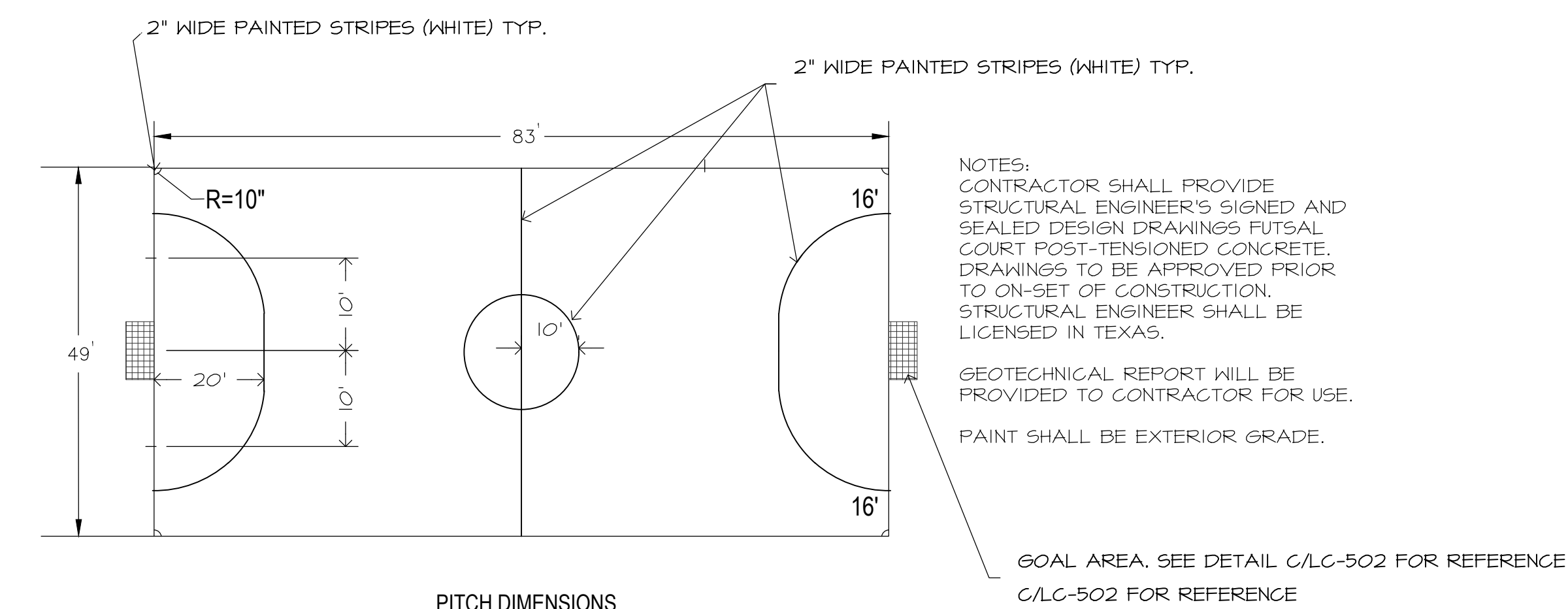
LC-501



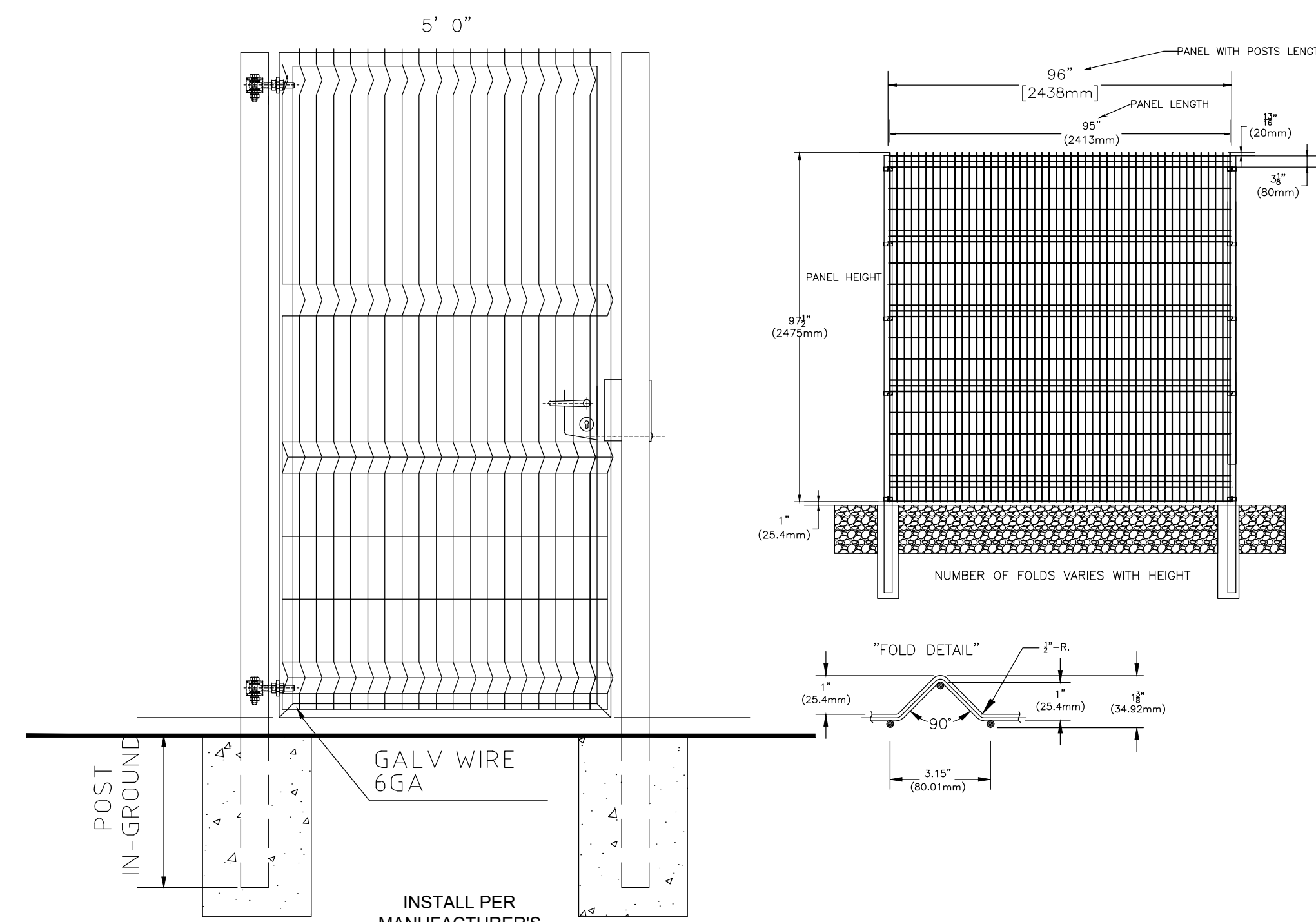
- A. 4000 PSI CONCRETE. TEST SLABS TO BE POURED AND APPROVED PRIOR TO COMMENCING WORK.
- B. 6" X 6" X W1.4 X W1.4 WELDED WIRE MESH. WMM SHALL BE INSTALLED AT CENTER OF PAVING.
- C. CONTROL JOINTS TO BE SPACED 5' O.C. TYPICAL. EXPANSION JOINTS TO BE EVERY THIRD JOINT.
- D. COMPACTED SUBGRADE 95% PROCTOR DENSITY.
- E. 1/2" PREHOLEDED BITUMINOUS EXPANSION JOINT.
- F. TOOLED EDGE.

A CONCRETE PAVING 4" DEPTH

Not to scale



D FUTSAL COURT STRIPING DETAIL



NOTE: VALUES SHOWN ARE NOMINAL AND NOT TO BE USED FOR INSTALLATION PURPOSES. DO NOT SCALE. CHECK, KNOW AND RESPECT LOCAL BUILDING CODES WHERE APPLICABLE. OBTAIN ALL NECESSARY BUILDING PERMITS.

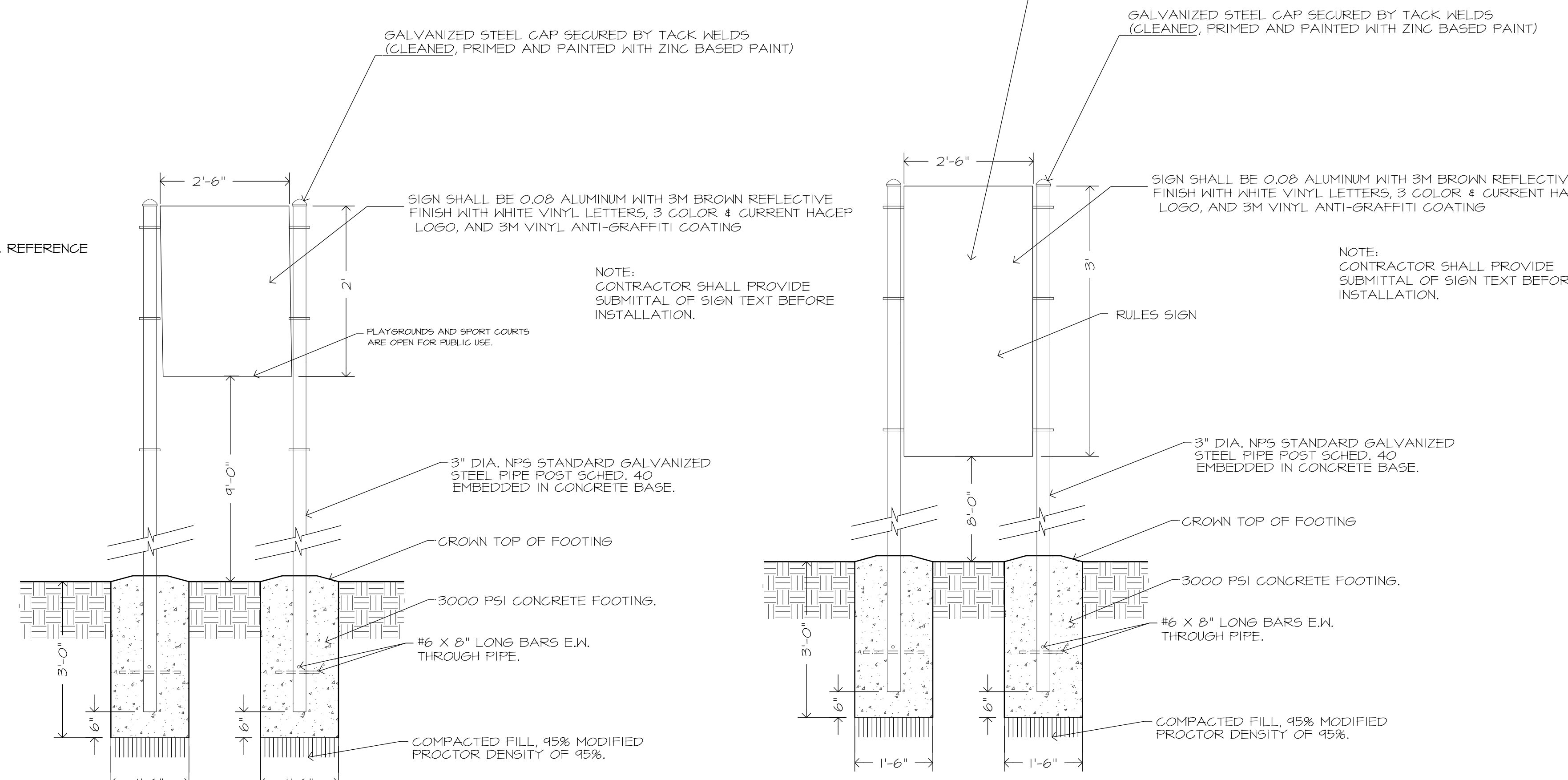
B WELDED WIRE FENCE

NOT TO SCALE

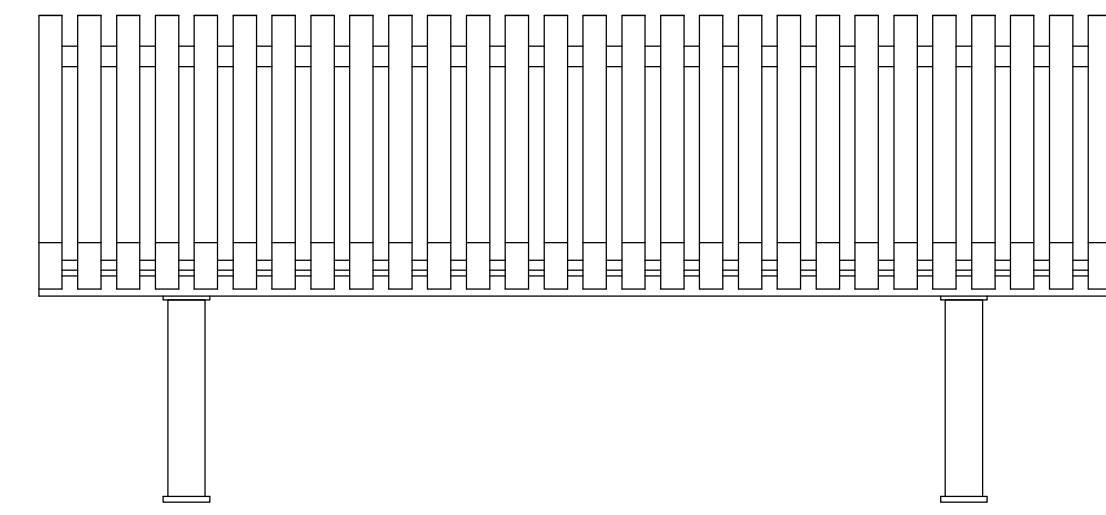
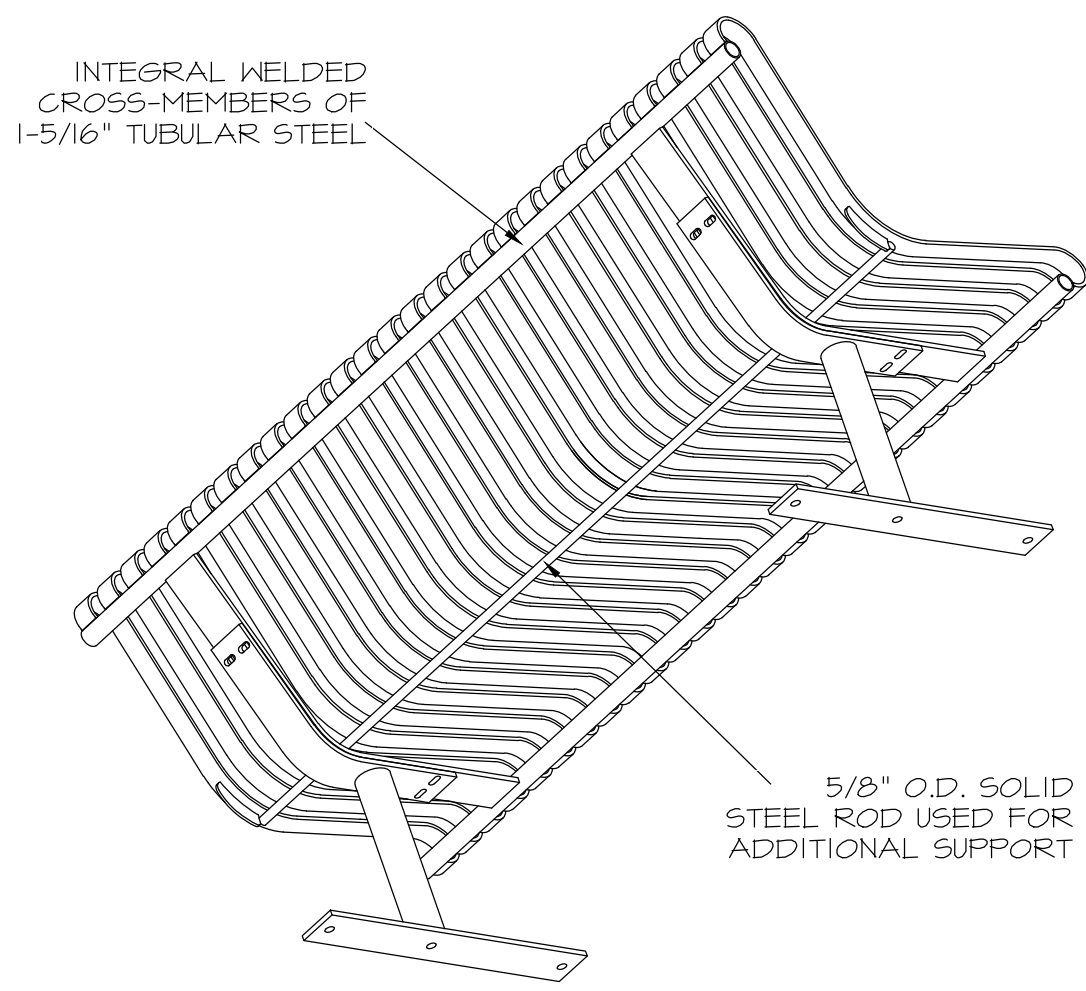
PARK RULES (REGLAS DEL PARQUE)

- PARK CLOSED 10:00 PM TO 6:00 AM OCT 1 - APR 30 (13.24.040)
- PARQUE CERRADO DE 10:00 PM A 6:00 AM OCT 1 - ABR 30 (13.24.040)
- PARK CLOSED 11:00 PM TO 6:00 AM MAY 1 - SEPT 30 (13.24.040)
- PARQUE CERRADO DE 11:00 PM A MAYO 1 - SEPT 30 (13.24.040)
- LITTERING & DUMPING OF WASTE PROHIBITED (9.04.340A)
- PROHIBIDO TIRAR BASURA, ENSUCIAR (13.24.190)
- GLASS BEVERAGE CONTAINERS PROHIBITED (13.24.190)
- PROHIBIDO CUALQUER TIPO DE ENVASE DE VIDRIO (13.24.130)
- ALCOHOLIC BEVERAGES PROHIBITED (13.24.130)
- PROHIBIDO BEBIDAS ALCOHOLICAS (13.24.010/13.24.020)
- PERMIT REQUIRED FOR SALE OF GOODS OR SERVICES, RENTALS, AMUSEMENT DEVICES (13.24.010/13.24.020)
- SE REQUIERE UN PERMISO PARA LA VENTA DE BIENES O SERVICIOS, ALQUILERES, EQUIPO DE ENTRETENIMIENTO (TEXAS PENAL CODE/13.24.140)
- ILLEGAL TO MARK, DAMAGE, OR DESTROY CITY PROPERTY (13.24.060)
- ES ILEGAL MARCAR, DAÑAR O DESTRUIR PROPIEDAD DE LA CIUDAD (13.24.060)
- CAMPING PROHIBITED (13.24.070)
- PROHIBIDO ACAMPAR (13.24.070)
- USE OF PROJECTILES PROHIBITED (FIREARMS, AIR RIFLES, SLING SHOTS, DRIVING GOLF BALLS, ROCK THROWING, ETC.) (13.24.070)
- PROHIBIDO EL USO DE PROYECTILES (ARMAS DE FUEGO, RIFLES DE AIRE, RESORTERAS, PRACTICA DE GOLF, LANZAR PIEDRAS, ETC.) (7.08.010/7.12.010/7.12.010/13.24.080)
- REMOVE PET DROPPINGS, USE A LEASH, NO HORSES EXCEPT ON BRIDLE TRAILS (13.24.090)
- REMUEVA EL ESCREMENTO DE MASCOTAS, USE CORREA, NO SE (13.24.090)
- PERMITEN CABALLOS EXCEPTO EN CAMINOS EQUESTRES (13.24.090)
- MOTOR VEHICLES PROHIBITED EXCEPT ON PARK ROADS AND PARKING AREAS (13.24.150)
- PROHIBIDO EL USO DE VEHICULOS AUTOMOTORES, EXCEPTO EN CAMINOS DE SERVICIO Y EN AREAS DE ESTACIONAMIENTO (13.24.150)
- MINIMUM GRILL CLEARANCE 12 INCHES, COALS MUST BE REMOVED FROM PARK BY USER (13.28.010)
- ALTURA MINIMA DE PARRILLA DEBE SER DE 12 PULGADAS, EL CARBON DEBE SER REMOVIDO DEL PARQU POR EL USUARIO (13.28.010)
- PERMIT REQUIRED FOR AMPLIFICATION (9.60.070)
- PERMISO REQUERIDO PARA AMPLIFICACION (9.60.070)

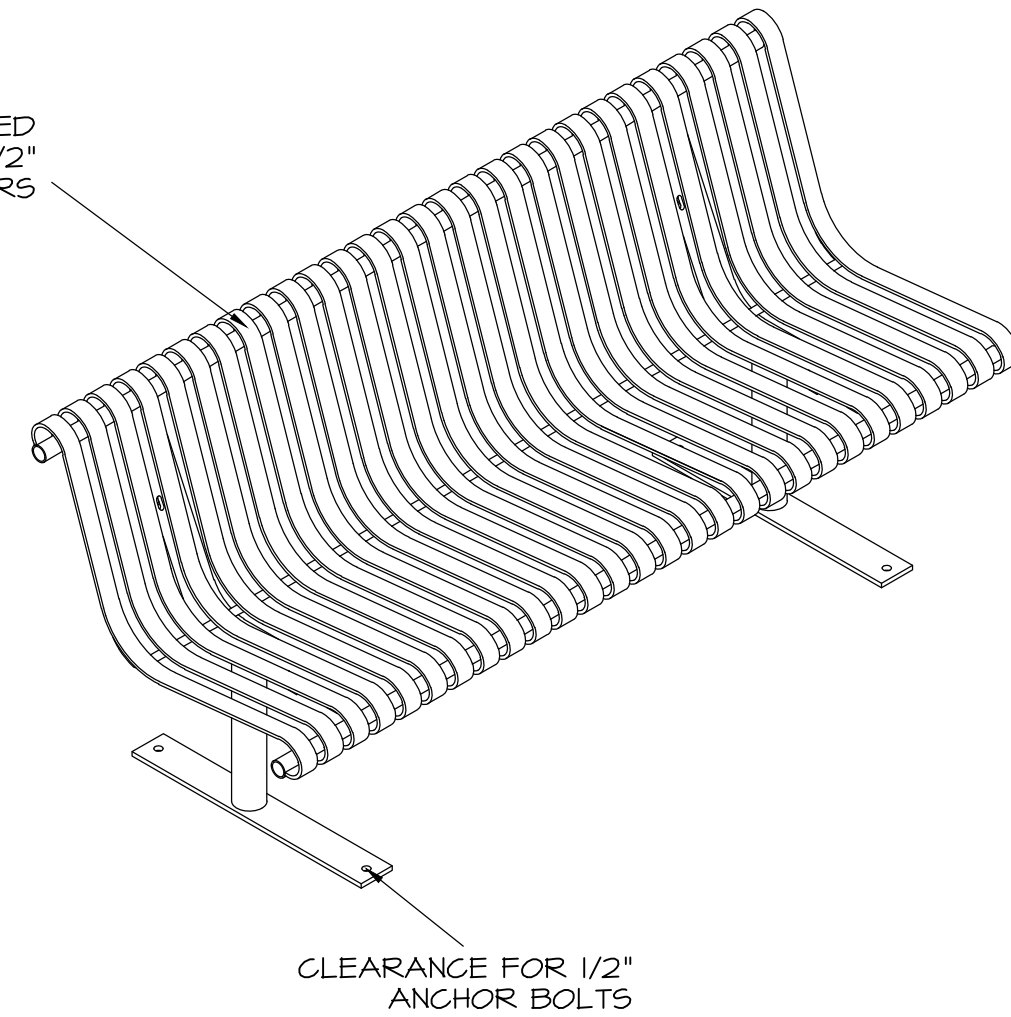
NO SMOKING/ NO FUMAR (9.60.070)



This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.

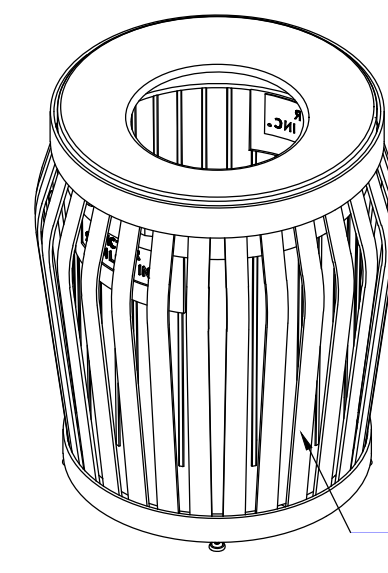


STEEL SLATS ARE FORMED FROM 1/4" x 1-1/2" SOLID STEEL BARS

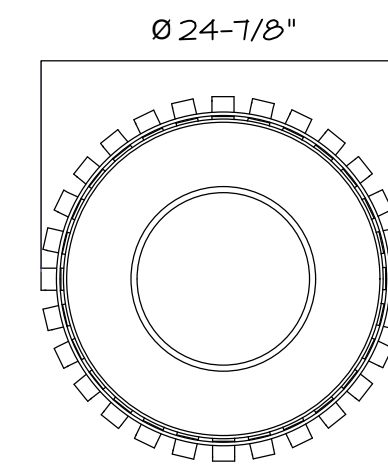


LENGTHS STANDARD 6' (AS SHOWN)

CLEARANCE FOR 1/2" ANCHOR BOLTS



1/4" x 2" HORIZONTAL SOLID STEEL BAND



1/4" x 1-1/2" VERTICAL SOLID STEEL BARS

1/4" x 2-1/2" SOLID STEEL BAND

3/4" SQUARE ANCHOR BOLT HOLE

LEVELING FEET WITH A 3/8" DIAMETER THREADED STEEL SHAFT

36-GALLON CAPACITY HIGH DENSITY PLASTIC LINER (WEIGHT NOT TO EXCEED 6 LBS). SITS ON 3/8" x 1" SUPPORT BARS

NOTES
 * ALL DIMENSION ARE IN INCHES *
 TAPERED FORMED LID
 SECURITY LID SHALL BE SECURED WITH VINYL COATED GALVANIZED STEEL AIRCRAFT CABLE. CABLE IS LOOPED AROUND WELDED IN PLACE ATTACHMENT BRACKETS AND CRIMPED IN PLACE.
 TRASH RECEPTACLE TO INCLUDE LID, LINER AND IN GROUND MOUNT.



SITES
SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800

E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

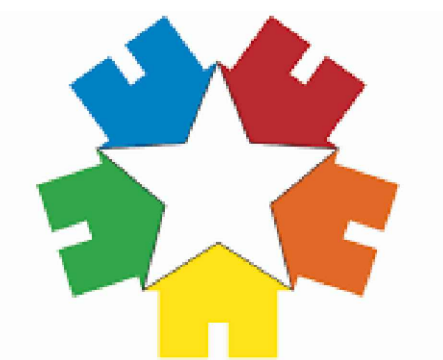
CONSULTANTS



Deborah B. Hixson
05.28.19

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
 4861 ATLAS AVE.
 EL PASO, TX 79904 (HART)
 4747 ATLAS AVE.
 EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
 CAD DWG FILE: 2019048 - DETAILS.DWG
 DRAWN BY: STAFF
 CHK'D BY: D.B.H.
 ISSUE DATE: 05/28/2019
 COPYRIGHT: SITES SOUTHWEST, LLC

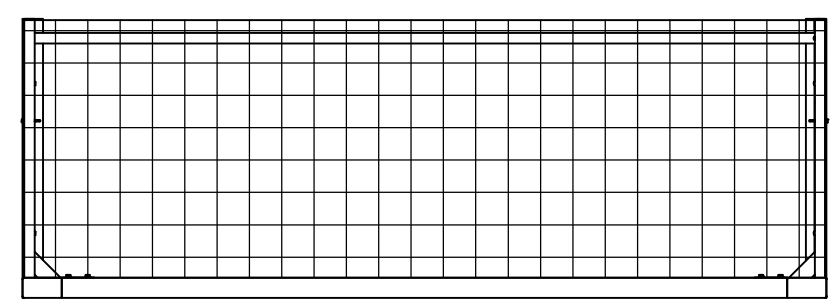
SHEET TITLE

CONSTRUCTION
DETAILS

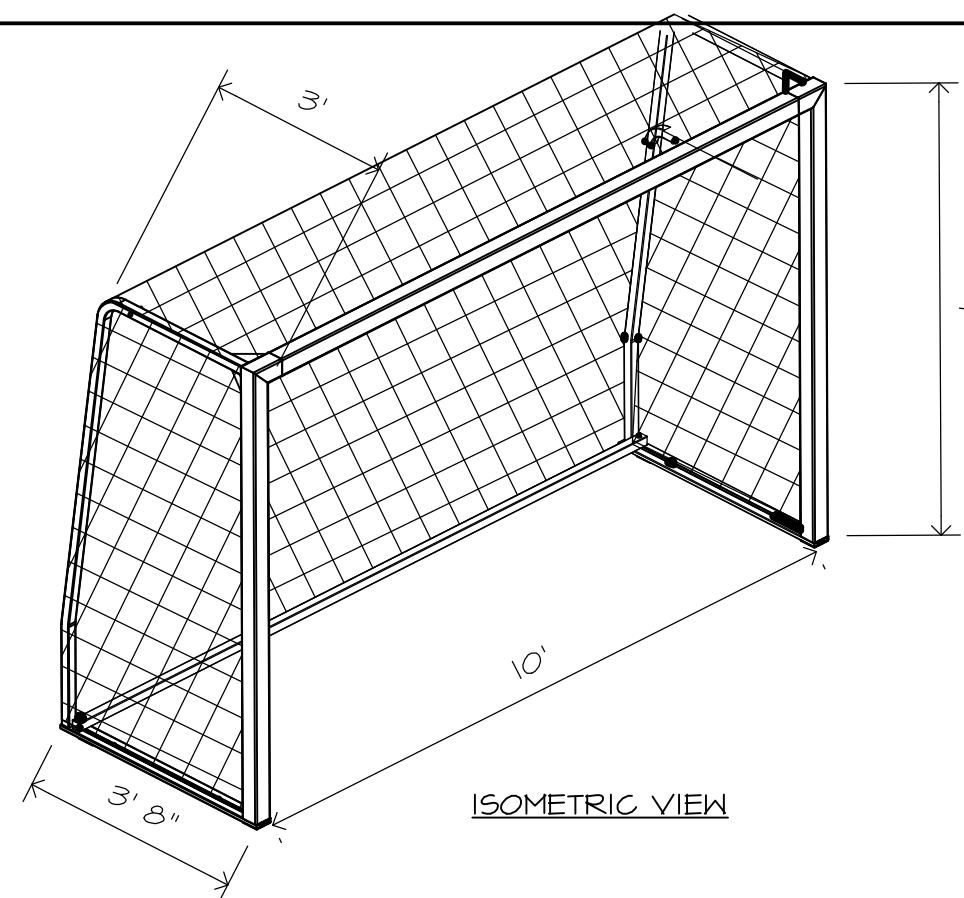
LC-502

A BENCH

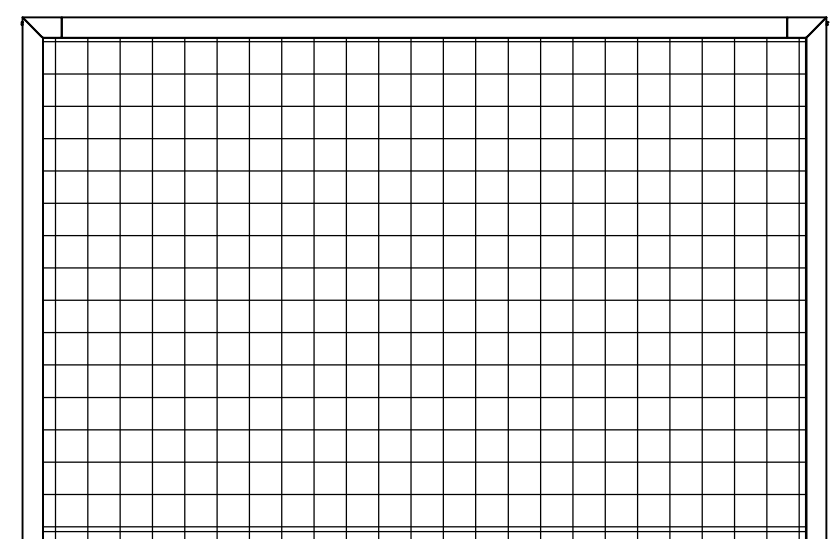
COLORS WILL BE CHOSEN THROUGH SUBMITTAL PROCESS



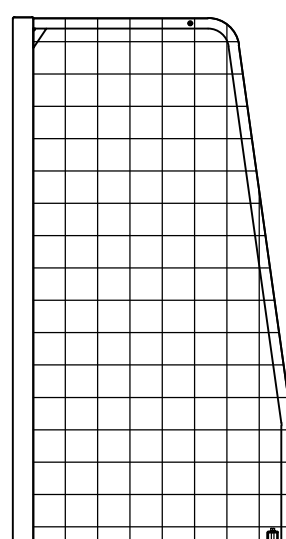
TOP VIEW



ISOMETRIC VIEW



FRONT VIEW



RIGHT VIEW

IN GROUND MOUNTED ON CONCRETE PAD

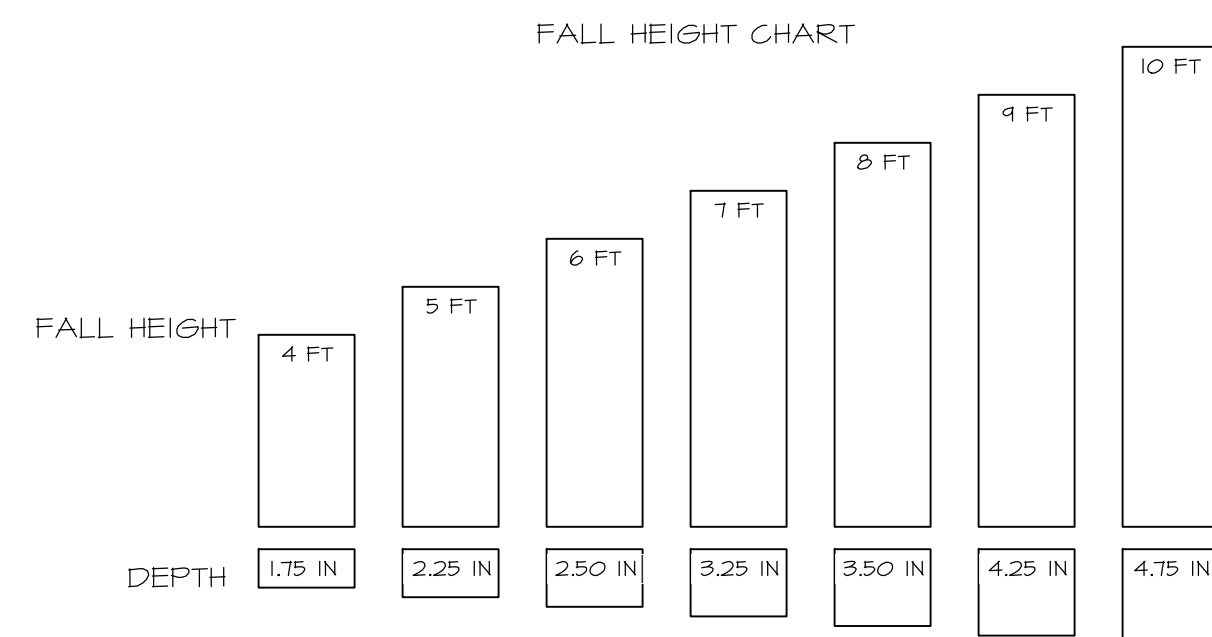
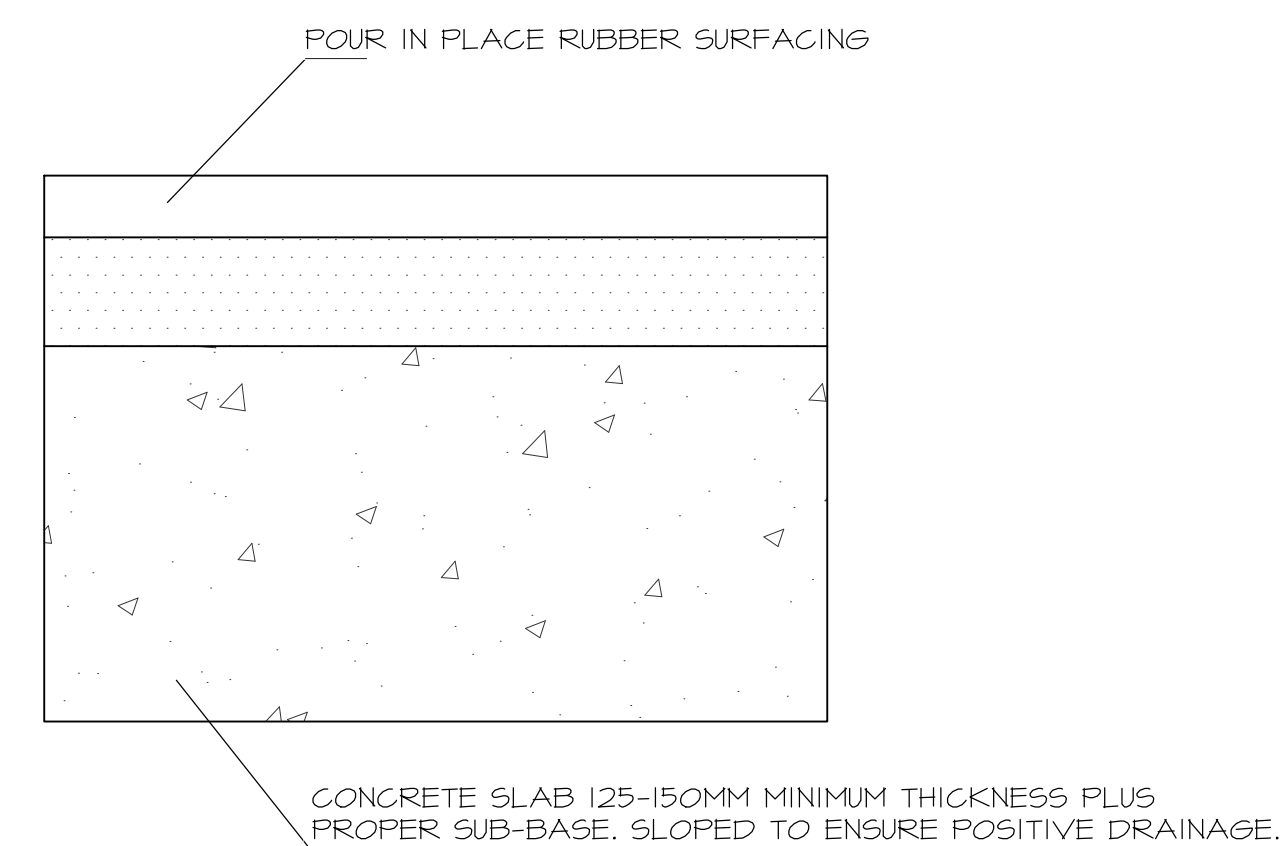
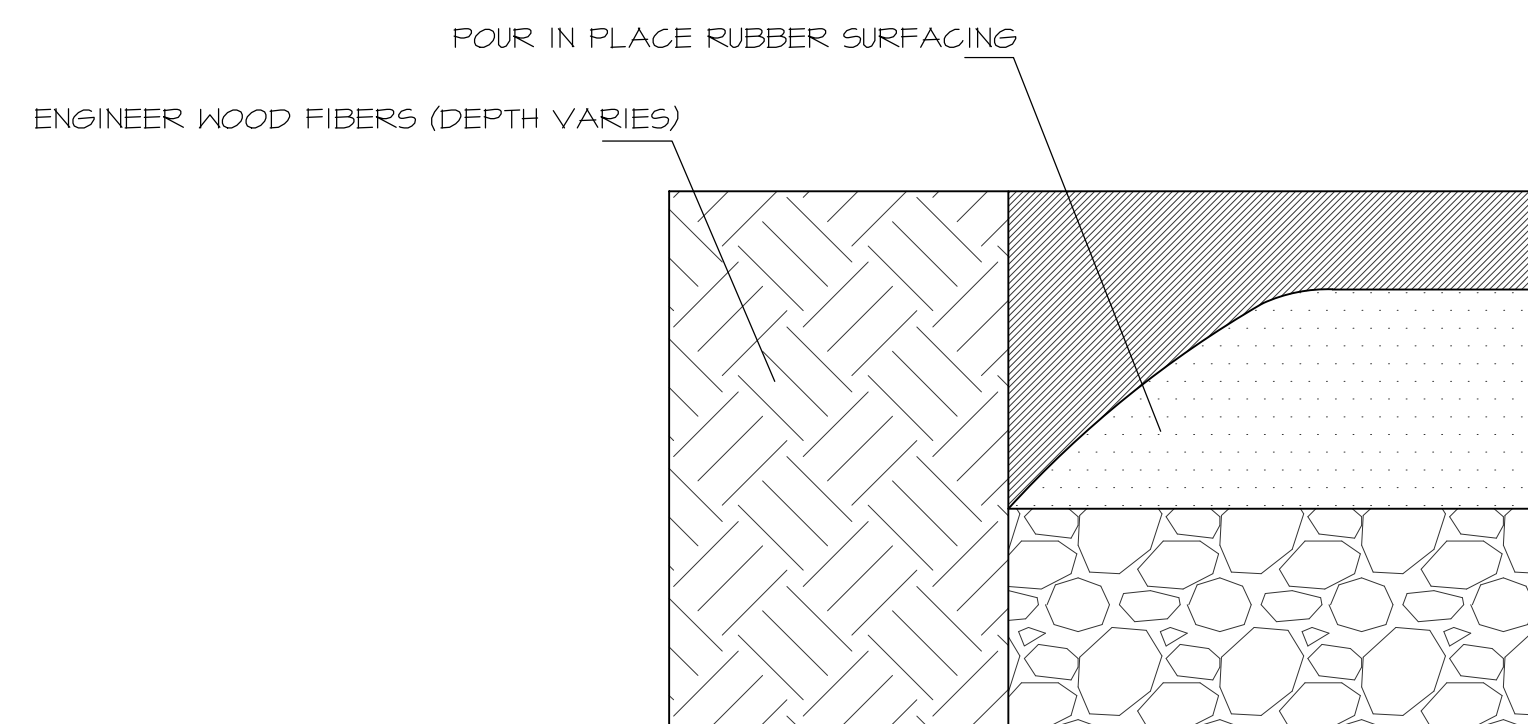
NOTES:
 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. ALL DIMENSIONS ARE CONSIDERED TRUE AND REFLECT MANUFACTURER'S SPECIFICATIONS.

C FUTSAL COURT GOAL

B TRASH RECEPTACLE

COLORS WILL BE CHOSEN THROUGH SUBMITTAL PROCESS

NOT TO SCALE

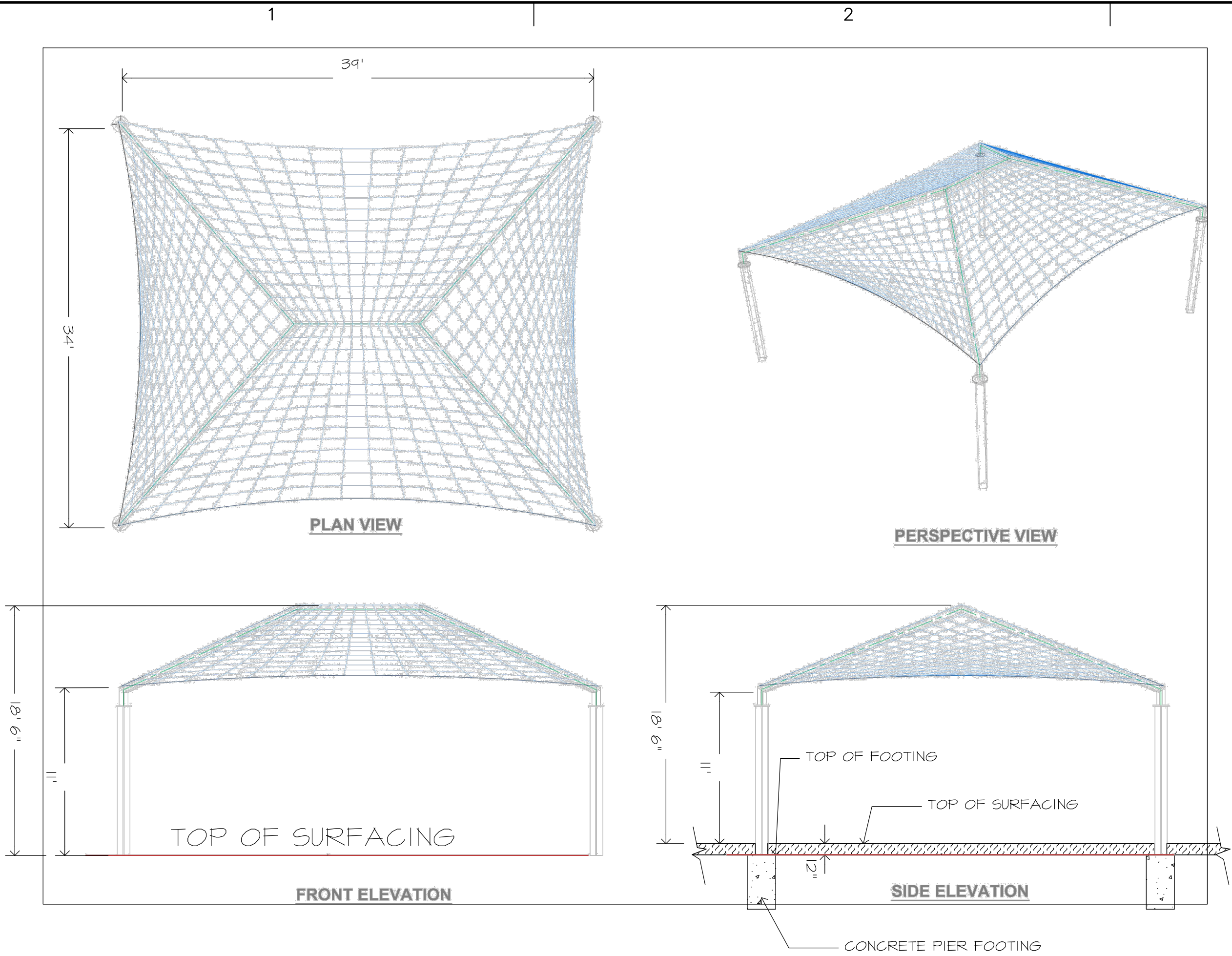


D POURED-IN-PLACE

NOT TO SCALE

P:\2019048_Hart & Baird Apts HACEP\4- Drawings\CAD Drawings\100%\2019048 - DETAILS.dwg 6-13-19 09:36:50 AM rmariscal

This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.

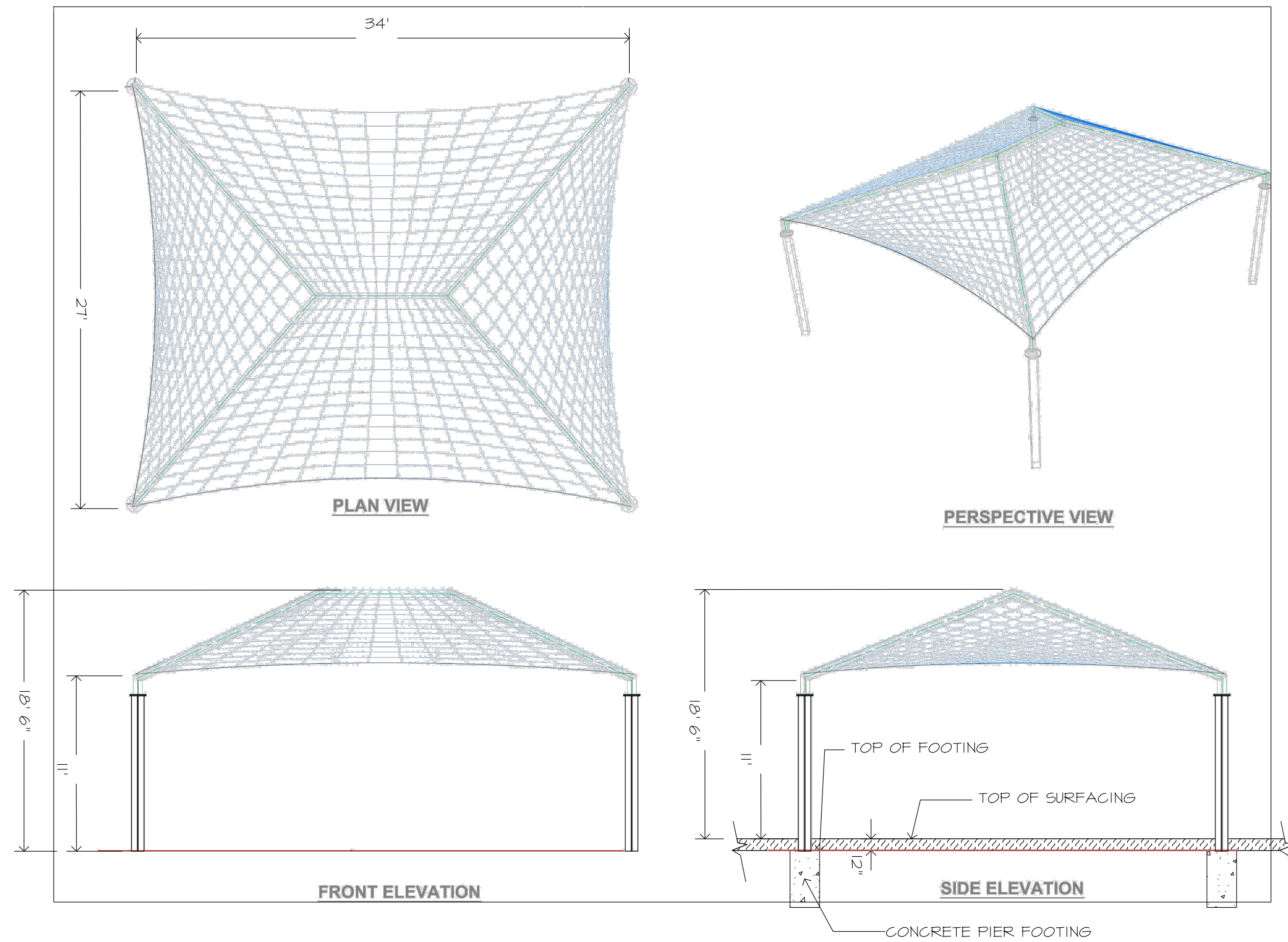


NOTES:
 CANOPY DESIGN AND CANOPY COLOR SHALL BE APPROVED BY PROJECT REPRESENTATIVE THROUGH THE SUBMITTAL PROCESS.
 CANOPY SHALL BE RATED TO WITHSTAND A MIN. 100 MILE PER HOUR WIND LOAD.
 CANOPY SHALL BE IN-GROUND MOUNTED.
 INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS.
 CANOPY FRAME SHALL BE PAINTED WITH HIGH QUALITY OUTDOOR OIL BASED PAINT AND PRIMER, ON SITE. COLORS WILL BE CHOSEN DURING CONSTRUCTION THROUGH THE SUBMITTAL PROCESS. PAINT SHALL BE APPLIED IN 3 COATS.
 CANOPY HEIGHT IS CALCULATED FROM TOP OF SURFACING, NOT TOP OF FOOTING

A FABRIC PLAYGROUND CANOPY DETAIL FOR BAIRD

CONTRACTOR SHALL PROVIDE DESIGN FOR CANOPY STRUCTURE AND FOOTINGS AND SHALL BE STAMPED AND SIGNED, BY TX. REGISTERED STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

Not to scale



NOTES:
 CANOPY DESIGN AND CANOPY COLOR SHALL BE APPROVED BY PROJECT REPRESENTATIVE THROUGH THE SUBMITTAL PROCESS.
 CANOPY SHALL BE RATED TO WITHSTAND A MIN. 100 MILE PER HOUR WIND LOAD.
 CANOPY SHALL BE IN-GROUND MOUNTED.
 INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS.
 CANOPY FRAME SHALL BE PAINTED WITH HIGH QUALITY OUTDOOR OIL BASED PAINT AND PRIMER, ON SITE. COLORS WILL BE CHOSEN DURING CONSTRUCTION THROUGH THE SUBMITTAL PROCESS. PAINT SHALL BE APPLIED IN 3 COATS.
 CANOPY HEIGHT IS CALCULATED FROM TOP OF SURFACING, NOT TOP OF FOOTING

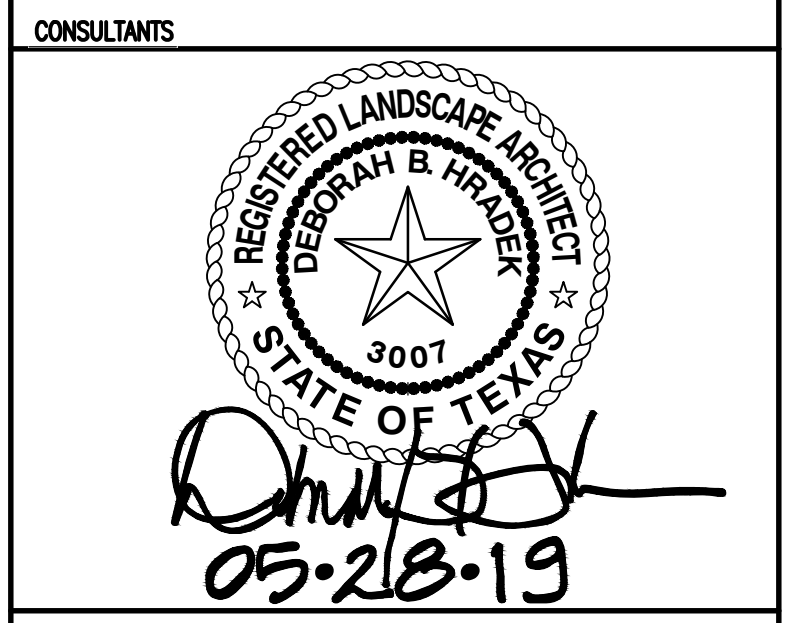
B FABRIC PLAYGROUND CANOPY DETAIL FOR HART

CONTRACTOR SHALL PROVIDE DESIGN FOR CANOPY STRUCTURE AND FOOTINGS AND SHALL BE STAMPED AND SIGNED, BY TX. REGISTERED STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

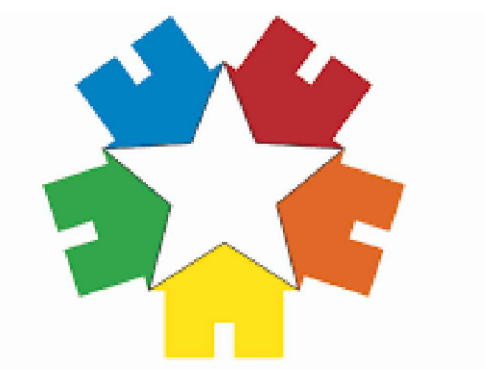
Not to scale



4110 RIO BRAVO, SUITE 217
 EL PASO, TX 79902
 PHONE: 915-351-8800
 E-MAIL: mail@sites-sw.com
 WEB: www.sites-sw.com



PROJECT
 CDBG HART & BAIRD IMPROVEMENTS
ADDRESS
 4861 ATLAS AVE.
 EL PASO, TX 79904 (HART)
 4747 ATLAS AVE.
 EL PASO, TX 79904 (BAIRD)



Housing Authority of the City of El Paso

FINAL FOR CONSTRUCTION

MARK	DATE	DESCRIPTION

PROJECT NO:	2019048
CAD DWG FILE:	2019048 - DETAILS.DWG
DRAWN BY:	STAFF
CHK'D BY:	D.B.H.
ISSUE DATE:	05/28/2019
COPYRIGHT:	SITES SOUTHWEST, LLC

DETAILS HART & BAIRD

LC-503

P:\2019048_Hart & Baird Apts HACEP\4- Drawings\CAD Drawings\100%\2019048 - DETAILS.dwg 5-28-19 04:06:32 PM rmariscal

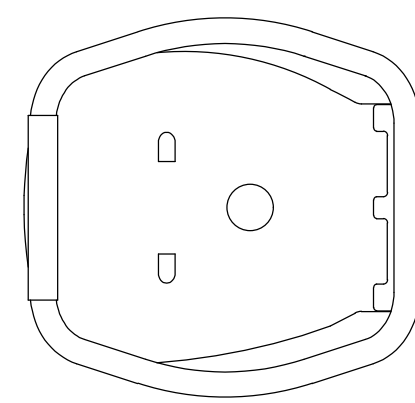
1

2

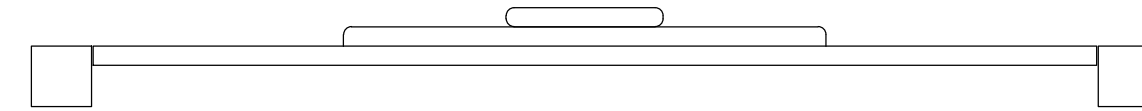
3

4

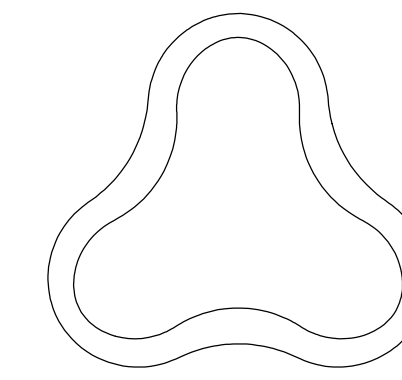
5



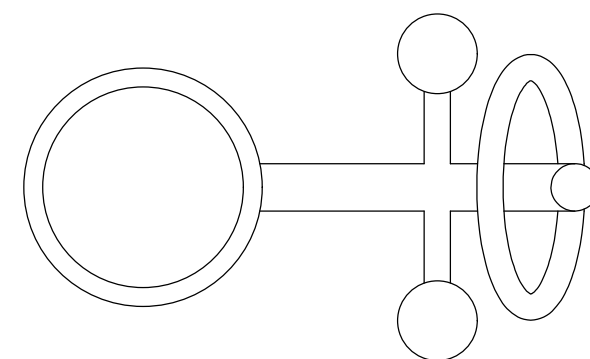
A **PLAY PIECE (CHILL SPINNER)**
COLORS WILL BE CHOSEN THROUGH SUBMITTAL PROCESS **NOT TO SCALE**



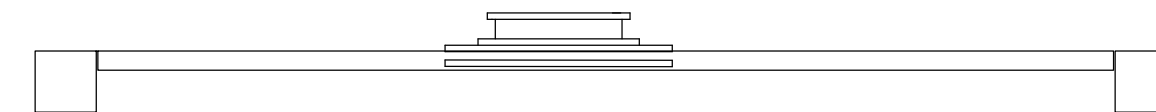
B **PLAY PANEL (COLOR SPLASH PANEL)**
COLORS WILL BE CHOSEN THROUGH SUBMITTAL PROCESS **NOT TO SCALE**



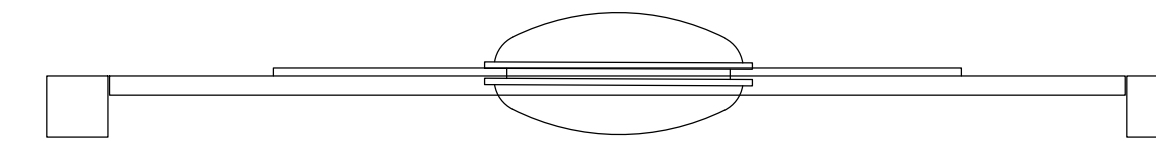
C **PLAY PANEL (SADDLE SPINNER)**
COLORS WILL BE CHOSEN THROUGH SUBMITTAL PROCESS **NOT TO SCALE**



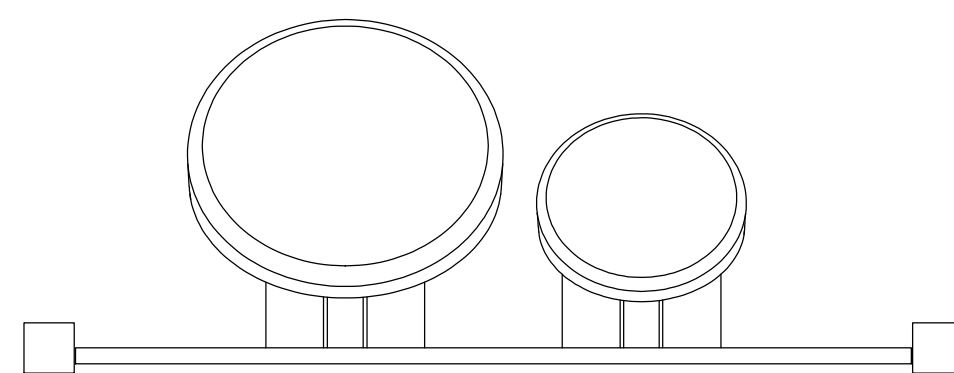
D **PLAY PIECE (SINGLE BOBBLE SPRING RIDER)**
COLORS WILL BE CHOSEN THROUGH SUBMITTAL PROCESS **NOT TO SCALE**



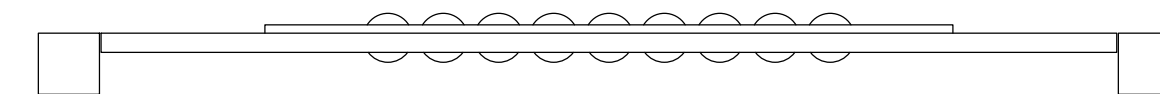
E **PLAY PANEL (RAIN SOUND WHEEL)**
COLORS WILL BE CHOSEN THROUGH SUBMITTAL PROCESS **NOT TO SCALE**



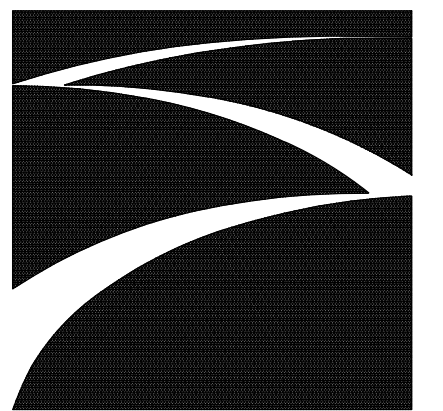
F **PLAY PANEL (IMAGINATION TABLE)**
COLORS WILL BE CHOSEN THROUGH SUBMITTAL PROCESS **NOT TO SCALE**



G **PLAY PANEL (BONGO PANEL)**
COLORS WILL BE CHOSEN THROUGH SUBMITTAL PROCESS **NOT TO SCALE**



H **PLAY PANEL (MARBLE PANEL)**
COLORS WILL BE CHOSEN THROUGH SUBMITTAL PROCESS **NOT TO SCALE**



SITES
SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800

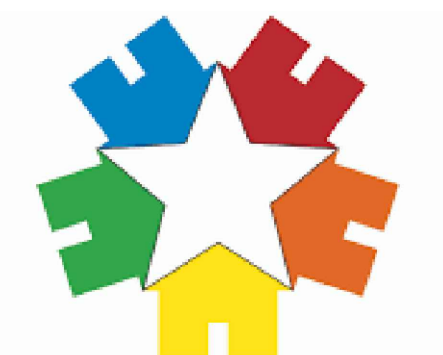
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



Deborah B. Hradek
05-28-19

PROJECT
CDBG HART & BAIRD
IMPROVEMENTS
ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
 CAD DWG FILE: 2019048 - DETAILS.DWG
 DRAWN BY: STAFF
 CHK'D BY: D.B.H.
 ISSUE DATE: 05/28/2019
 COPYRIGHT: SITES SOUTHWEST, LLC

**CONSTRUCTION
DETAILS**

LC-504

1

2

3

4

5

This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.

P:\2019048_Hart & Baird Apts HACEP\4- Drawings\CAD Drawings\100%\2019048 - DETAILS.dwg 6-13-19 09:52:13 AM rmariscal



SITES
SOUTHWEST

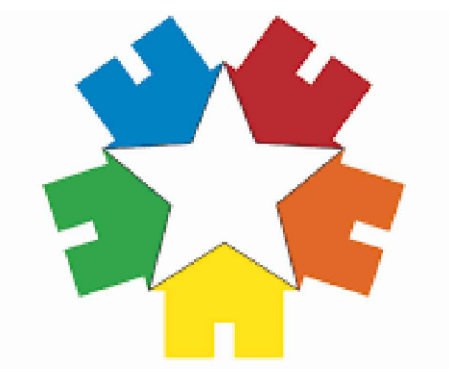
4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



Deborah B. Hixley
05.28.19

PROJECT
CDBG HART & BAIRD
IMPROVEMENTS
ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
 CAD DWG FILE: 2019048 - OVERALL.PLAN.DWG
 DRAWN BY: STAFF
 CHK'D BY: D.B.H.
 ISSUE DATE: 05/28/2019
 COPYRIGHT: SITES SOUTHWEST, LLC

OVERALL
PLANTING PLAN

LP-100

SHEET
LP-102

SHEET
LP-103

TITANIC AVE.

BAIRD APTS.

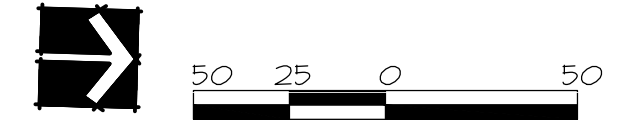
HART APTS.

SHEET
LP-101

ATLAS AVE.

(A) OVERVIEW PLANTING PLAN

SCALE 1:50



This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.

P:\2019048_Hart & Baird Apts HACEP\4 - Drawings\CAD Drawings\100% 2019048 - OVERALL.PLAN.dwg 5-30-19 05:42:37 PM vlopez



SITES
SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800

E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

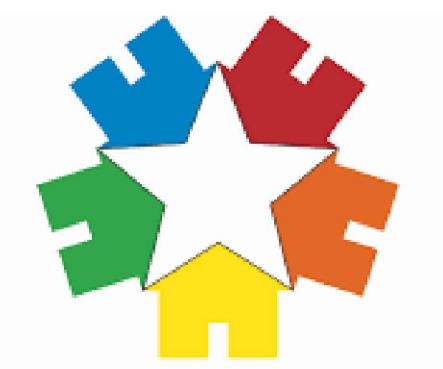
CONSULTANTS



Deborah B. Hartzel
05.28.19

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

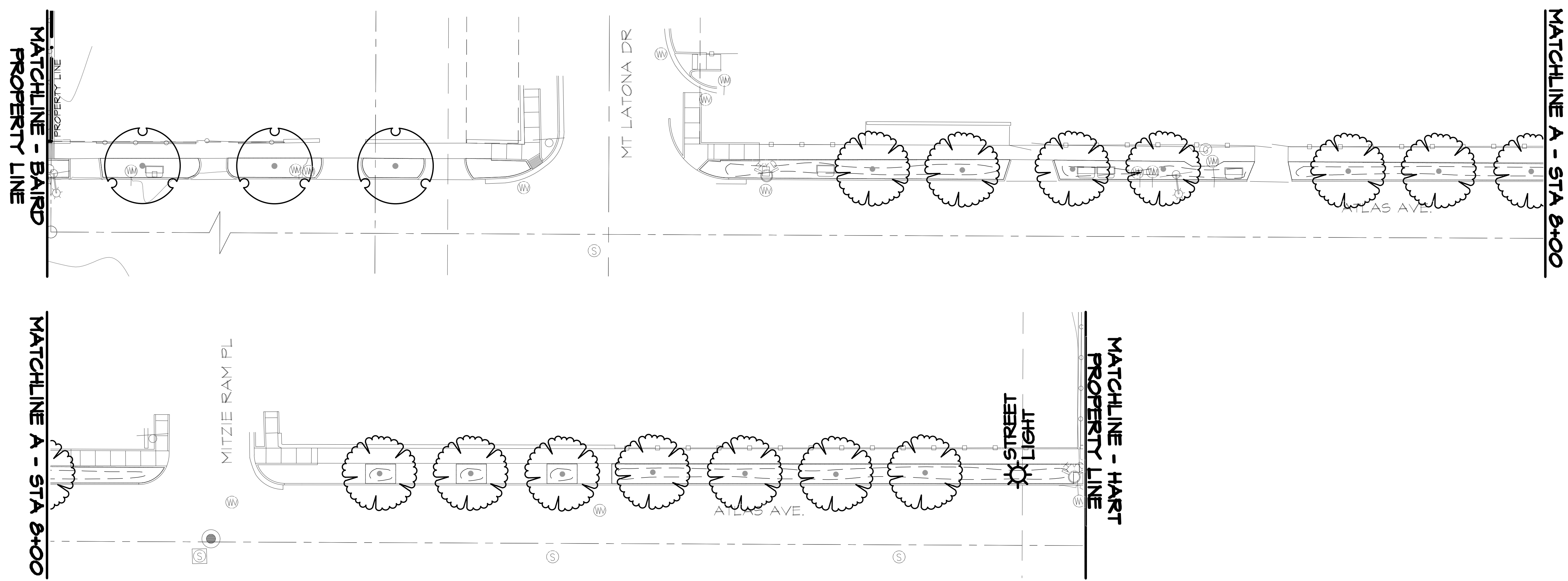
FINAL FOR CONSTRUCTION

REVISIONS		
MARK	DATE	DESCRIPTION

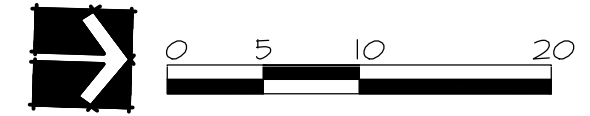
PROJECT NO:	2019048
CAD DWG FILE:	2019048 - PLNT - BAIRD.DWG
DRAWN BY:	STAFF
CHK'D BY:	D.B.H.
ISSUE DATE:	05/28/2019
COPYRIGHT:	SITES SOUTHWEST, LLC

PLANTING PLAN
ATLAS AVE.

LP-101



A PLANTING PLAN
SCALE 1:20



PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME	HGT. & SPRED.	GAL.	COMMENTS
	PARKINSONIA X 'DESERT MUSEUM' DESERT MUSEUM PALO VERDE	30' X 30'	2"	SINGLE OR MULTI TRUNK
	PISTACIA CHINENSIS CHINESE PISTACHE	30' X 30'	2"	SINGLE TRUNK
	PROSOPIS GLANDULOSA 'THORNLESS AZT' THORNLESS HONEY MESQUITE	30' X 30'	2"	SINGLE TRUNK

SHRUBS	BOTANICAL / COMMON NAME	HGT. & SPR.	SIZE
	DALEA FRUTESCENS SIERRA NEGRA	5' X 5'	5 GAL.
	EREMOPHILA MACULATA 'VALENTINE' VALENTINE BUSH	5' X 3'	5 GAL.
	MUHLENBERG REGAL MIST MUHLY	2' X 3'	5 GAL.
	ROSMARINUS OFFICINALIS UPRIGHT ROSEMARY	3' X 4'	5 GAL.
	SALVIA GREGGII CHERRY SAGE	3' X 3'	5 GAL.
	TECOMA STANS YELLOW BELLS	5' X 5'	5 GAL.
	VIGUIERA STENOLOBA 'SKELETONLEAF GOLDENEYE'	4' X 4'	5 GAL.

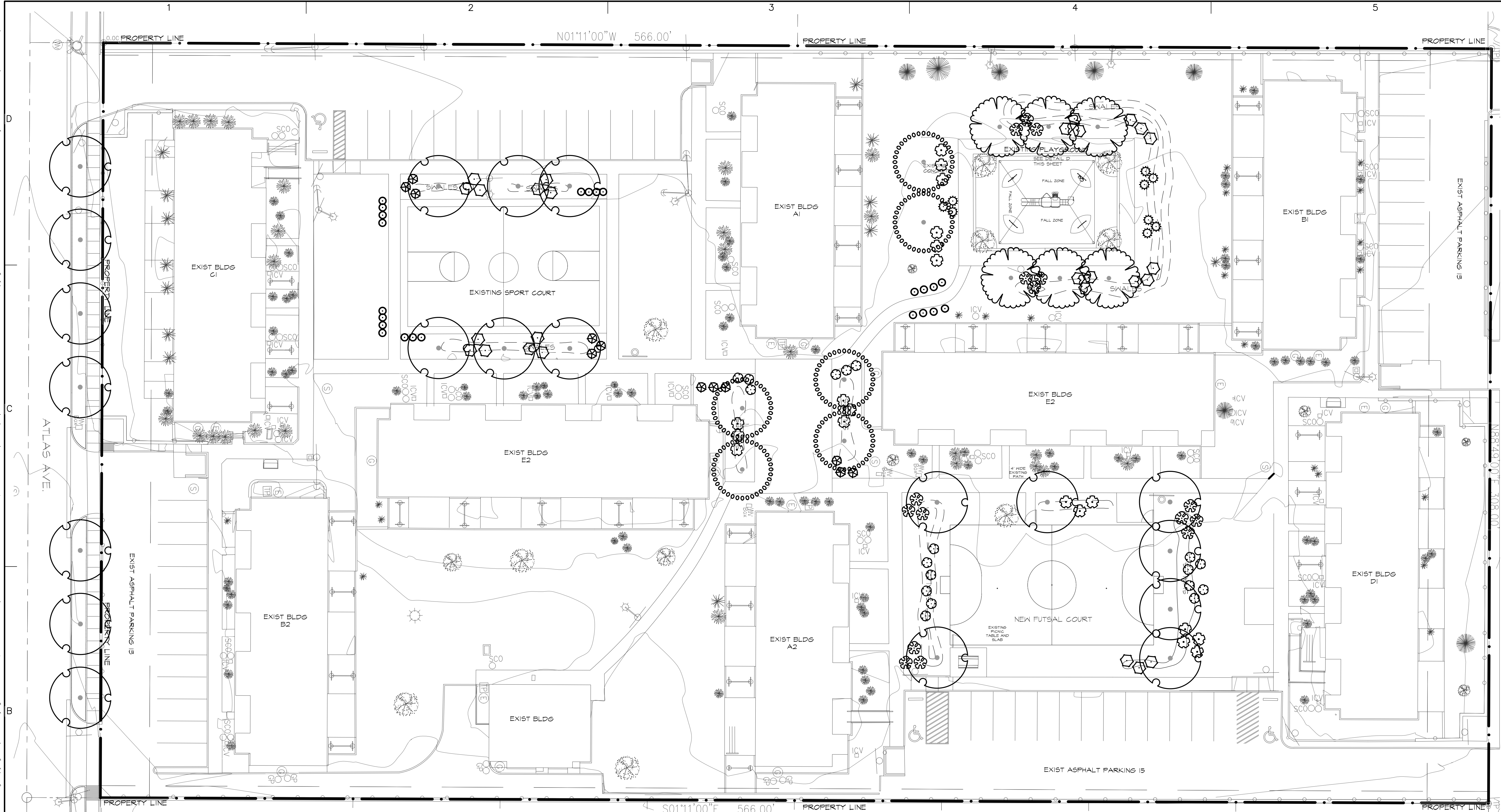
SITE LEGEND

- EXISTING SHRUBS TO REMAIN. PROTECT FROM DAMAGE
- EXISTING TREES TO REMAIN. PROTECT FROM DAMAGE
- SWALE FOR WATER HARVESTING. GRADUALLY GRADE USING 6" CONTOURS. LANDSCAPE CONTRACTOR TO FINALIZE SWALES AND SMOOTHING OF SIDES FOR APPROVAL BY LANDSCAPE ARCHITECT.

This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.

P:\2019048_Hart & Baird Apts HACEP\4 - Drawings\CAD Drawings\100%BAIRD PROJECT\2019048 - PLNT - BAIRD.dwg 6-03-19 08:52:06 AM rmerisco

This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.



(A) PLANTING PLAN
SCALE 1:20

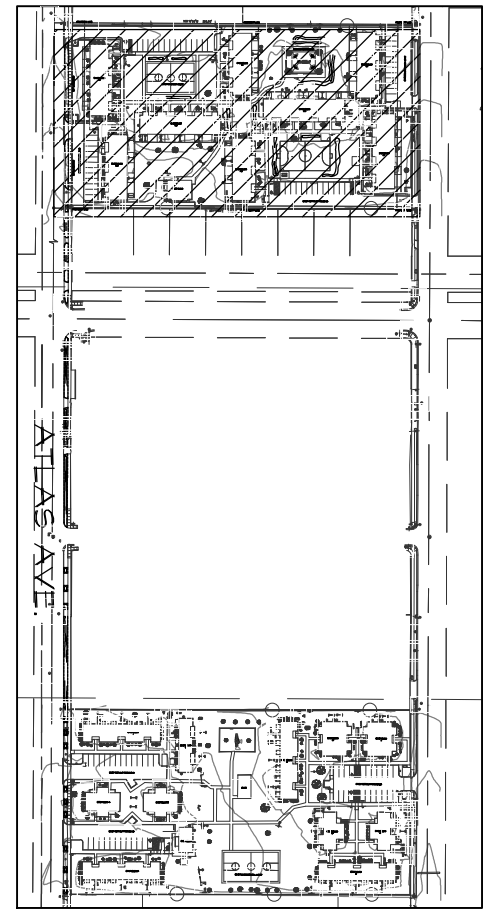
PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME	HGHT. & SPRED.	CAL.	COMMENTS	QTY
	PARKINSONIA X DESERT MUSEUM' DESERT MUSEUM PALO VERDE	30' X 30'	2"	SINGLE OR MULTI TRUNK	6
	PISTACIA CHINENSIS CHINESE PISTACHE	30' X 30'	2"	SINGLE TRUNK	31
	PROSOPIS GLANDULOSA 'THORNLESS AZT' THORNLESS HONEY MESQUITE	30' X 30'	2"	SINGLE TRUNK	19

SHRUBS	BOTANICAL / COMMON NAME	HGT. & SPR.	SIZE	QTY
	DALEA FRUTESCENS SIERRA NEGRA	5' X 5'	5 GAL.	19
	EREMOPHILA MACULATA 'VALENTINE' VALENTINE BUSH	5' X 3'	5 GAL.	9
	MUHLENBERG REGAL MIST MUHLY	2' X 3'	5 GAL.	23
	ROSMARINUS OFFICINALIS UPRIGHT ROSEMARY	3' X 4'	5 GAL.	27
	SALVIA GREGGII CHERRY SAGE	3' X 3'	5 GAL.	18
	TEGOMA STANS YELLOW BELLS	5' X 5'	5 GAL.	16
	VIGUIERA STENOLOBA 'SKELETONLEAF GOLDENEYE'	4' X 4'	5 GAL.	12

SITE LEGEND

- EXISTING SHRUBS TO REMAIN. PROTECT FROM DAMAGE
- EXISTING TREES TO REMAIN. PROTECT FROM DAMAGE
- SWALE FOR WATER HARVESTING. GRADUALLY GRADE USING 6" CONTOURS. LANDSCAPE CONTRACTOR TO FINALIZE SWALES AND SMOOTHING OF SIDES FOR APPROVAL BY LANDSCAPE ARCHITECT.



(B) KEY MAP
NOT TO SCALE



SITES
SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



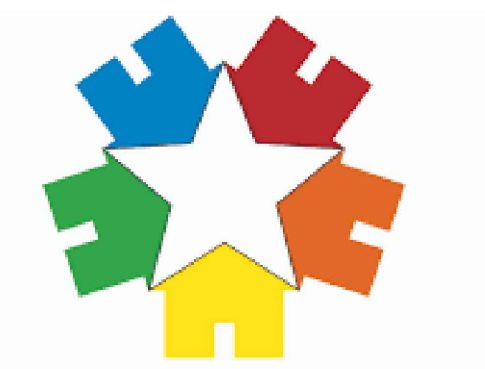
Deborah B. Hartzel
05.28.19

PROJECT

CDBG HART & BAIRD IMPROVEMENTS

ADDRESS

4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

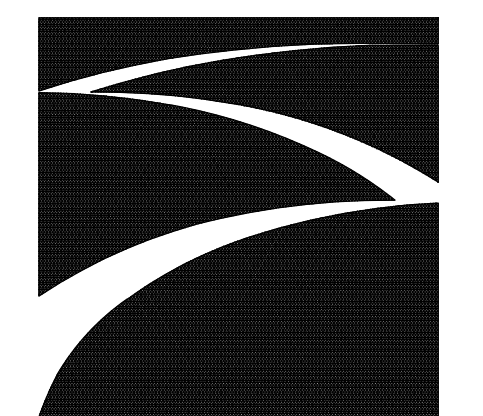
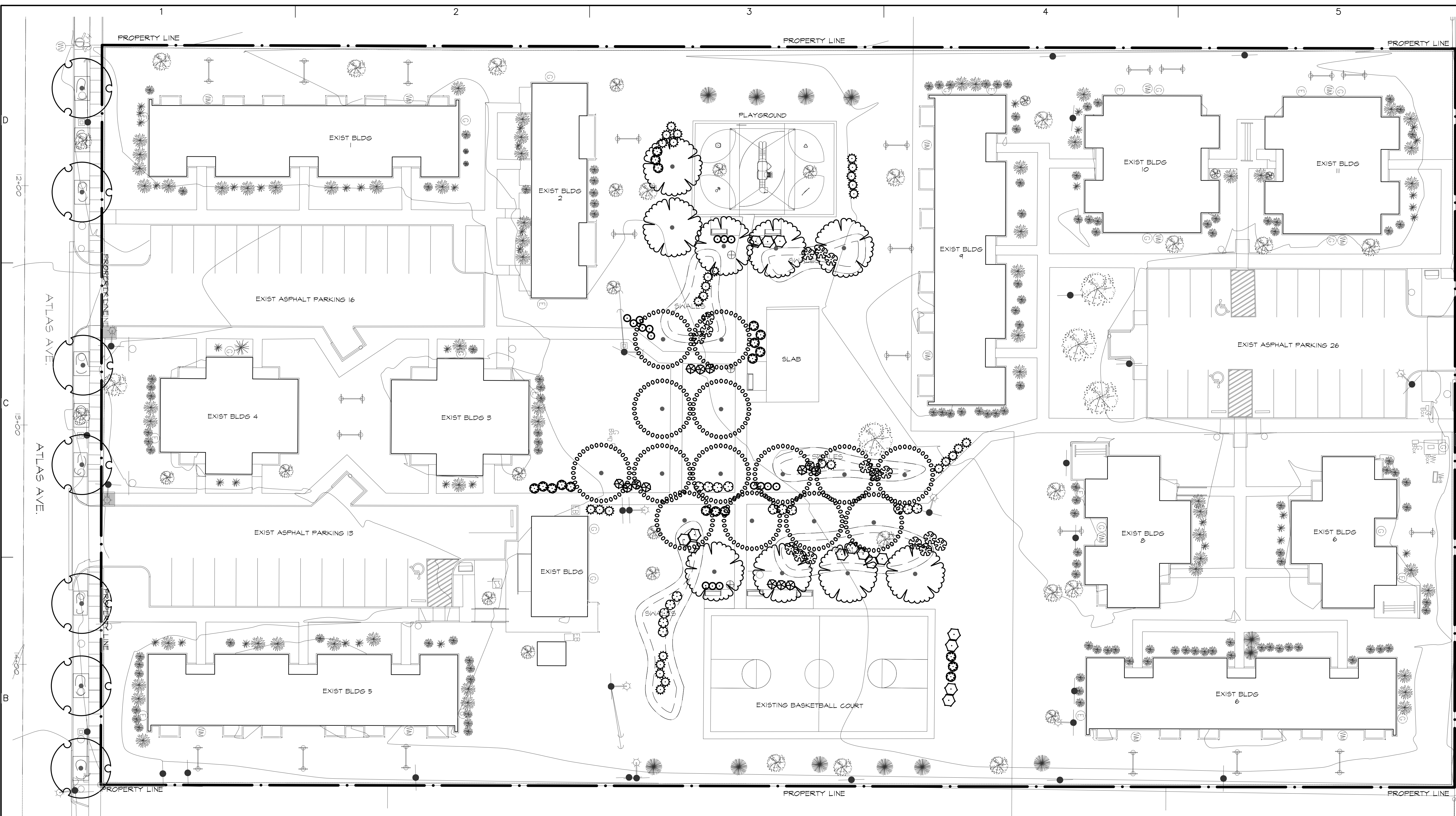
PROJECT NO:	2019048
CAD DWG FILE:	2019048 - PLNT - BAIRD.DWG
DRAWN BY:	STAFF
CHK'D BY:	D.B.H.
ISSUE DATE:	05/28/2019
COPYRIGHT:	SITES SOUTHWEST, LLC
SHEET TITLE	

PLANTING PLAN
BAIRD

LP-102

P:\2019048_Hart & Baird Apts HACEP\4 - Drawings\CAD Drawings\100%BAIRD PROJECT\2019048 - PLNT - BAIRD.dwg 6-03-19 08:52:41 AM rmonical

this document, whether in hard copy or machine readable format, is copyrighted and on instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.



SITES
SOUTHWEST

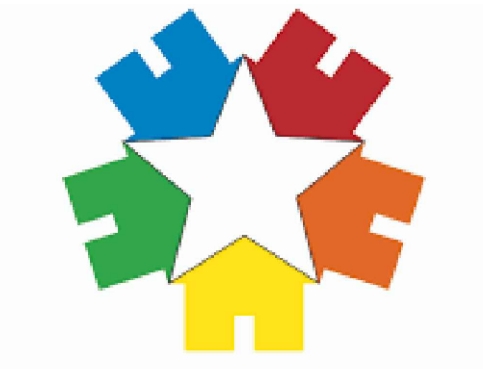
4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS

Deborah B. Hargett
05.28.19

PROJECT
CDBG HART & BAIRD
IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO:	2019048
CAD DWG FILE:	2019048 - PLNT - HART.DWG
DRAWN BY:	STAFF
CHK'D BY:	D.B.H.
ISSUE DATE:	05/28/2019
COPYRIGHT:	SITES SOUTHWEST, LLC
SHEET TITLE	

PLANTING PLAN
HART

LP-103

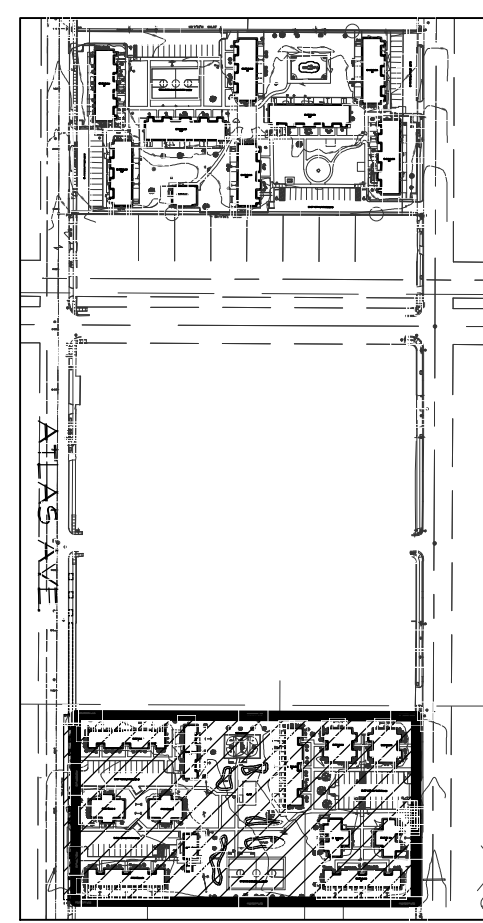
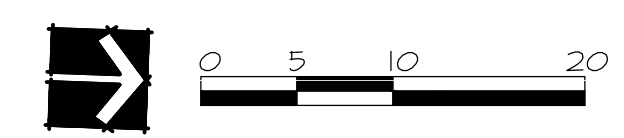
PLANT_SCHEDULE

TREES	BOTANICAL NAME / COMMON NAME	HGHT & SPRED.	GAL.	COMMENTS	QTY
	PARKINSONIA X 'DESERT MUSEUM' / DESERT MUSEUM PALO VERDE	30' X 30'	2"	MULTI TRUNK MIN. 5' HEIGHT	14
	PISTACIA CHINENSIS / CHINESE PISTACHE	30' X 30'	2"	SINGLE TRUNK	7
	PROSOPIS GLANDULOSA 'THORNLESS AZT' / THORNLESS HONEY MESQUITE	30' X 30'	2"	SINGLE TRUNK	4

SHRUBS	BOTANICAL NAME / COMMON NAME	HGT. & SPR.	SIZE	QTY
	MULLENBERGIA / REGAL MIST MUHLY	2' X 2'	5 GAL.	16
	DALEA FRUTESCENS / SIERRA NEGRA	3' X 5'	5 GAL.	19
	EREMOPHILA MACULATA 'VALENTINE' / VALENTINE BUSH	5' X 3'	5 GAL.	30
	VIGIERA STENOLOBA / SKELETON GOLDENEYE	4' X 5'	5 GAL.	13
	ROSMARINUS OFFICINALIS / UPRIGHT ROSEMARY	3' X 4'	5 GAL.	15
	SALVIA GREGGII / CHERRY SAGE	3' X 3'	5 GAL.	15
	TEGOMA STANS / YELLOW BELLS	5' X 5'	5 GAL.	16

PLANTING PLAN

SCALE 1:20



KEY MAP
NOT TO SCALE

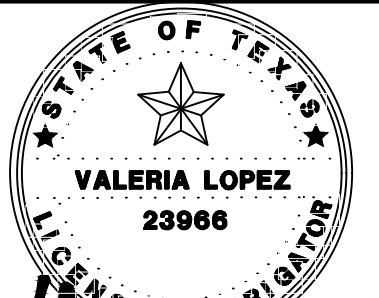
P:\2019048_Hart & Baird_Apils_HACEP\4. Drawings\CAD Drawings\100%\HART PROJECT\2019048 - PLNT - HART.dwg 5-30-19 05:09:04 PM vlogez



SITES
SOUTHWEST

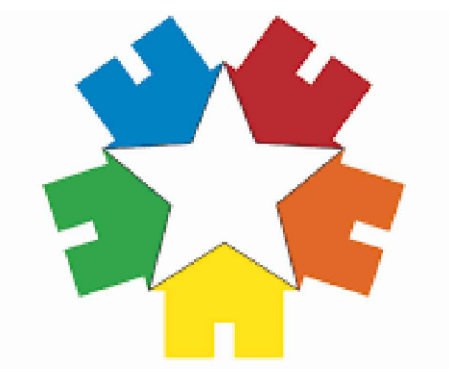
4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



Valeria Lopez
05/28/19

PROJECT
CDBG HART & BAIRD
IMPROVEMENTS
ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
 CAD DWG FILE: 2019048 - OVERALL.PLAN.DWG
 DRAWN BY: STAFF
 CHK'D BY: D.B.H.
 ISSUE DATE: 05/28/2019
 COPYRIGHT: SITES SOUTHWEST, LLC

OVERALL
IRRIGATION PLAN

LI-100

SHEET
LI-102

SHEET
LI-103

TITANIC AVE.

BAIRD APTS.

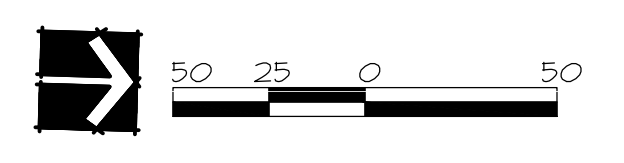
HART APTS.

SHEET
LI-101

ATLAS AVE.

A OVERVIEW IRRIGATION PLAN

SCALE 1:50



This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.

P:\2019048_Hart & Baird Apts HACEP\4 - Drawings\CAD Drawings\100% 2019048 - OVERALL.PLAN.dwg 5-30-19 04:05:14 PM vlopez

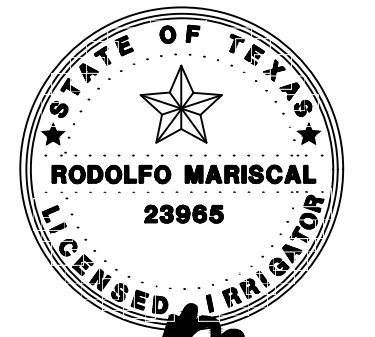


SITES
SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800

E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



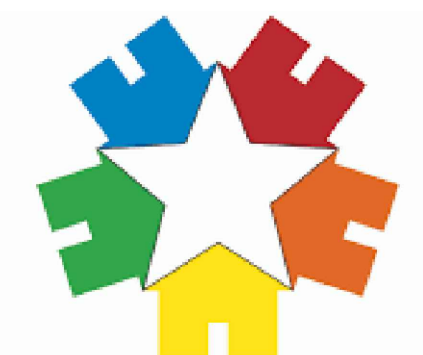
05.28.19

PROJECT

CDBG HART & BAIRD
IMPROVEMENTS

ADDRESS

4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

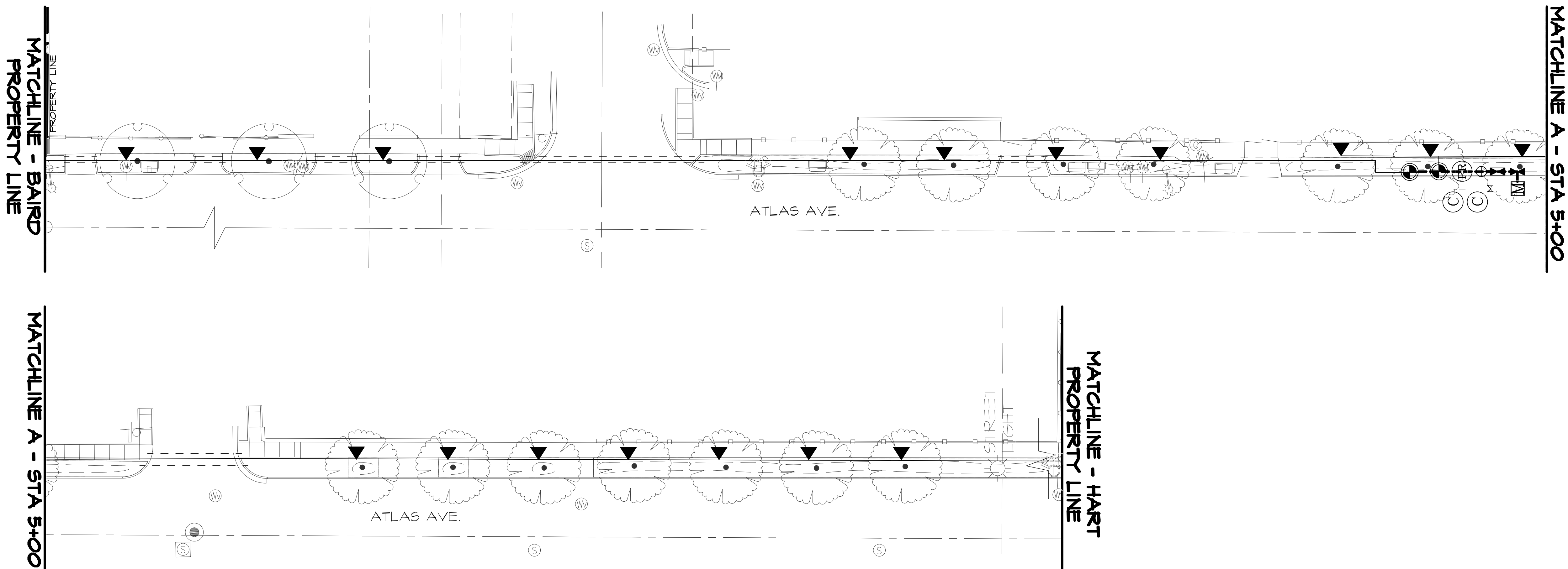
FINAL FOR CONSTRUCTION

REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO:	2019048
CAD DWG FILE:	2019048 - IRRG - BAIRD.DWG
DRAWN BY:	STAFF
CHK'D BY:	D.B.H.
ISSUE DATE:	05/28/2019
COPYRIGHT:	SITES SOUTHWEST, LLC
SHEET TITLE	

IRRIGATION PLAN
ATLAS AVE.

LI-101



IRRIGATION PLAN SCALE 1:20

IRRIGATION LEGEND (NEW COMPONENTS)

- CONTRACTOR TO PROVIDE & INSTALL ALL COMPONENTS AND COMPONENTS SHALL BE AS SPECIFIED OR APPROVED EQUAL. APPROVAL SHALL BE VIA SUBMITTAL; APPROVED SUBMITTALS REQUIRED PRIOR TO INSTALLATION.
 - ALL COMPONENTS SHALL BE MADE IN USA
- M** PROVIDE NEW 1" WATER METER. CONTRACTOR TO COORDINATE WITH EL PASO WATER TO LOCATE AND INSTALL METER. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH METER INSTALLATION, INCLUDING ALL WATER CONSUMPTION UNTIL PROJECT IS COMPLETE AND HAS BEEN ACCEPTED BY OWNER.
 - C** PROVIDE NEW RAINBIRD ESP-4ME 55 SERIES CONTROLLER AT EACH PROPERTY. CONTRACTOR TO INSTALL A RAINBIRD RAINGECK RAIN SENSOR SWITCH AS PER MANUFACTURER'S INSTRUCTIONS. CONTRACTOR TO PROVIDE ELECTRICAL POWER TO CONTROLLER. SEE ELECTRICAL ENGINEER'S PLANS. CONTRACTOR TO WIRE NEW VALVES TO NEW CONTROLLERS. WALL MOUNT AND FIELD VERIFY EXACT LOCATION WITH OWNER'S REPRESENTATIVE. SEE DETAIL A/LI-501.
 - C** PROVIDE NEW TBOS II BATTERY OPERATED CONTROLLER, 1, 2, 4 or 6 STATION (AS NEEDED) WITH TBOS FIELD TRANSMITTER. CONTRACTOR TO PROVIDE BATTERIES FOR CONTROLLER. USE MIN. NO. 14 AWG FOR ALL WIRING. "M". CONTROLLER SHALL BE CONNECTED TO THE MASTER VALVE AT THE METER AND SET TO START AT THE ON-SET OF THE FIRST STATION AND RUN UNTIL AFTER THE LAST STATION IS COMPLETE. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS. SEE DETAIL B/LI-501.
 - X** FEBCO 1" REDUCED PRESSURE PRINCIPLE ASSEMBLY IN STAINLESS STEEL HOT BOX. MUST COMPLY WITH ASSE 1060 CLASS I. INCLUDE INSULATION BLANKET TO PROVIDE MINIMUM R-25. SEE DETAIL A/LI-502.
 - X** HEAVY DUTY BRASS BALL VALVE, OR APPROVED EQUAL, SIZE TO MAIN LINE. SEE DETAIL B/LI-501.
 - +** BRASS MASTER VALVE, SIZE TO MAIN LINE. SEE DETAIL C/LI-501.
 - PR** PRESSURE REGULATOR, SET AT 60 PSI, SIZE TO MAIN LINE. SEE DETAIL E/LI-501.
 - +** NEW XGZ-100-B-COM MEDIUM FLOW COMMERCIAL CONTROL ZONE KIT WITH BASKET FILTER. PROVIDE CARSON JUMBO BOX WITH LOCKING COVER. COVER COLOR TO MATCH FINISH MATERIAL. SEE DETAIL D/LI-501.
 - ▼** MULTI-OUTLET EMITTER DEVICE, WITH 6 FREE FLOW PORTS. PROVIDE SIX (6) 5.0 GPH EMITTERS FOR EACH TREE. SEE DETAIL G/LI-501.
 - ▽** NEW MULTI-OUTLET EMITTER DEVICE 6 FREE FLOW PORTS. PROVIDE WITH TWO (2) 2.0 GPH EMITTERS EMITTERS PER 5 GALLON PLANT. SEE EMITTER LEGEND AND DETAIL G/LI-501.
 - NEW 1" PVC SCHEDULE 40 IPS PIPE MAIN LINE, 12" MIN. DEPTH OF BURY. CONTRACTOR TO PROVIDE TYPE K COPPER FROM METER TO BACKFLOW.
 - NEW PVC CLASS 200 LATERAL PIPE - ALL PIPE SHALL BE 3/4" UNLESS OTHERWISE SPECIFIED ON THE PLANS. 8" MIN. DEPTH OF BURY SEE DETAIL J/LI-501.
 - NEW PVC SCHEDULE 40 SLEEVINGS, CONTRACTOR SHALL BORE ALL SLEEVING UNDER ALL PAVED SURFACES. PROVIDE SUFFICIENT NUMBER TO ALLOW TOTAL PIPE DIAMETER IN SLEEVE TO FIT AND TO BE TWO (2) SIZES LARGER THAN THE SUM OF THE TOTAL DIAMETER OF THE PIPE HOUSED WITHIN. CONTROL WIRE SHALL BE IN SEPARATE SLEEVE. SEE DETAIL K/LI-501.
 - R** RAIN SENSOR. FIELD LOCATE EXACT LOCATION. CONTRACTOR TO INSTALL A SENSOR SWITCH AS PER MANUFACTURER'S INSTRUCTIONS SEE DETAIL H/LI-501.

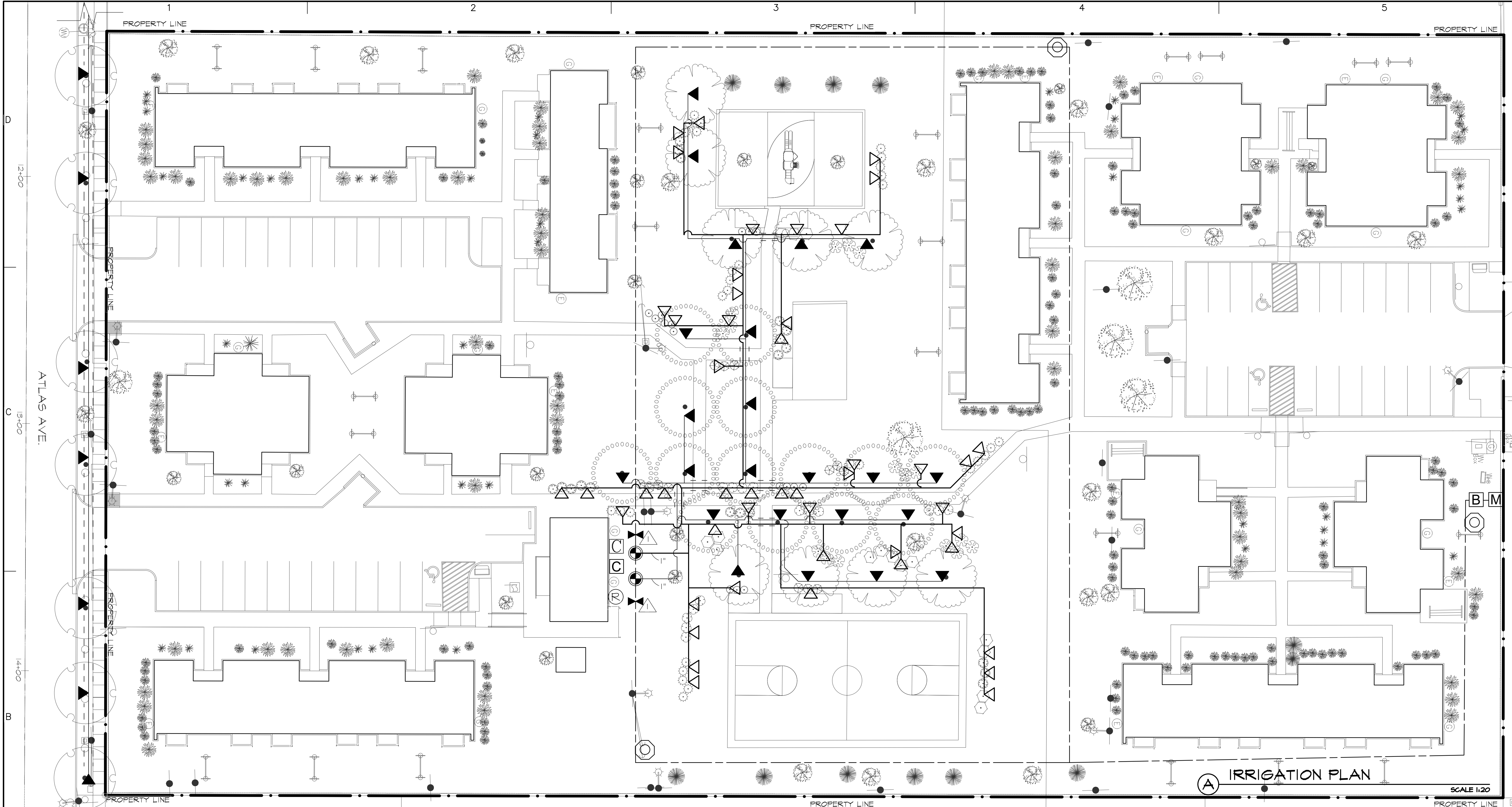
IRRIGATION LEGEND (EXISTING COMPONENTS)

- M** EXISTING WATER METER, LOCATION APPROXIMATE FOR REFERENCE ONLY
- B** EXISTING 1.5" BACKFLOW PREVENTION DEVICE IN ENCLOSURE.
- C** EXISTING IRRIGATION CONTROLLER
- +** EXISTING QUICK COUPLER IN PURPLE VALVE BOX
- EXISTING 2" MAINLINE - SCHEDULE 40 PVC

IRRIGATION KEYED NOTES

- △** CUT MAIN LINE AT INDICATED LOCATION AND INSTALL AN ISOLATION VALVE AS INDICATED, FIELD LOCATE. KEEP PIPE THAT WILL BE REUSED, FREE OF DEBRIS.
- IRRIGATION NOTES**
- MAIN LINE CHANGES WILL BE PERFORMED USING APPROPRIATE FITTINGS. FLEXING OR BENDING RIGID PIPE WILL BE UNACCEPTABLE.
 - NEW MAIN LINE AND MAIN LINE SECTIONS WHERE VALVES ARE ADDED MUST BE HYDROSTATICALLY TESTED FOR 24 HOURS AFTER PRESSURE REGULATOR, ZONE VALVES & ISOLATION VALVES HAVE BEEN INSTALLED. TEST MUST BE PERFORMED AT 50PSI ABOVE STATIC PRESSURE AFTER PRESSURE REGULATOR IS INSTALLED. CONTACT IRRIGATION DESIGNER IN WRITING 48 HOURS PRIOR TO TEST TO ALLOW DESIGNER TO BE PRESENT. 2% MAXIMUM ALLOWABLE DEVIATION FOR MAIN LINE PASS.
 - PROTECT ALL EXISTING IRRIGATION EMITTER VALVES, LINES, DEVICES AND COMPONENTS FROM DAMAGE.
 - FIELD LOCATE AND PROTECT EXISTING IRRIGATION VALVE WIRE. NO SPLICING OF VALVE WIRE WILL BE ALLOWED. DAMAGED WIRE WILL NEED TO BE REPLACED IN ITS ENTIRETY, FROM THE CONTROLLER TO THE VALVE.
 - VALVE WIRE SHALL BE INCIDENTAL TO IRRIGATION COST.
 - CONTRACTOR SHALL SHOW IRRIGATION VALVE WIRE ON AS BUILT MARK-UPS. CONTRACTOR'S AS-BUILT MARK-UPS SHALL BE AVAILABLE FOR INSPECTION WEEKLY.
 - EXISTING AS-BUILTS MAY BE PROVIDED TO CONTRACTOR FOR REFERENCE DURING CONSTRUCTION.

This document, whether in hard copy or machine readable format, is copyrighted and an instrument of service in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.



IRRIGATION PLAN

SCALE 1:20

IRRIGATION LEGEND (NEW COMPONENTS)

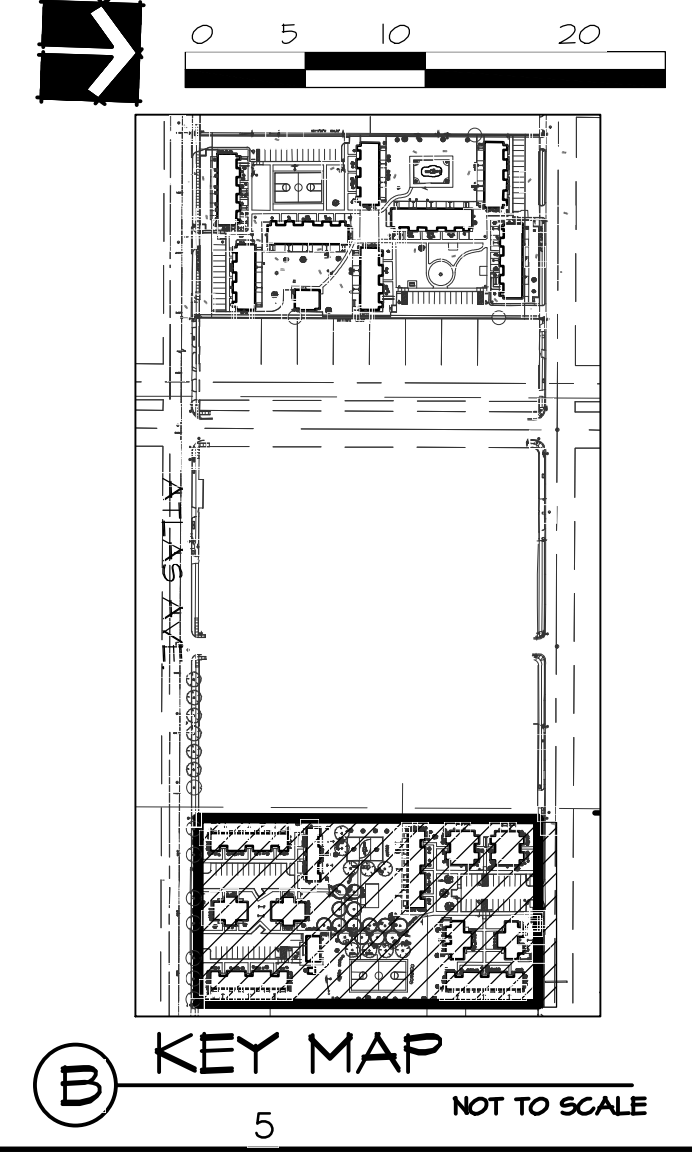
1. CONTRACTOR TO PROVIDE & INSTALL ALL COMPONENTS AND COMPONENTS SHALL BE AS SPECIFIED OR APPROVED EQUAL. APPROVAL SHALL BE VIA SUBMITTAL; APPROVED SUBMITTALS REQUIRED PRIOR TO INSTALLATION
 2. ALL COMPONENTS SHALL BE MADE IN USA
- M** PROVIDE NEW 1" WATER METER. CONTRACTOR TO COORDINATE WITH EL PASO WATER TO LOCATE AND INSTALL METER. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH METER INSTALLATION, INCLUDING ALL WATER CONSUMPTION UNTIL PROJECT IS COMPLETE AND HAS BEEN ACCEPTED BY OWNER.
 - C** PROVIDE NEW RAINBIRD ESP-4ME S6 SERIES CONTROLLER AT EACH PROPERTY. CONTRACTOR TO INSTALL A RAINBIRD RAINCHECK RAIN SENSOR SWITCH AS PER MANUFACTURER'S INSTRUCTIONS. CONTRACTOR TO PROVIDE ELECTRICAL POWER TO CONTROLLER, SEE ELECTRICAL ENGINEER'S PLANS. CONTRACTOR TO WIRE NEW VALVES TO NEW CONTROLLERS. WALL MOUNT AND FIELD VERIFY EXACT LOCATION WITH OWNER'S REPRESENTATIVE. SEE DETAIL A/LI-501.
 - C** PROVIDE NEW TBOS II BATTERY OPERATED CONTROLLER, 1, 2, 4 or 6 STATION (AS NEEDED) WITH TBOS FIELD TRANSMITTER. CONTRACTOR TO PROVIDE BATTERIES FOR CONTROLLER. USE MIN. NO. 14 AWG FOR ALL WIRING. "M". CONTROLLER SHALL BE CONNECTED TO THE MASTER VALVE AT THE METER AND SET TO START AT THE ON-SET OF THE FIRST STATION AND RUN UNTIL AFTER THE LAST STATION IS COMPLETE. INSTALL AS PER MANUFACTURER'S RECOMMENDATIONS, SEE DETAIL B/LI-501.
 - X** FEBCO 1" REDUCED PRESSURE PRINCIPLE ASSEMBLY IN STAINLESS STEEL HOT BOX. MUST COMPLY WITH A95E 1060 CLASS I. INCLUDE INSULATION BLANKET TO PROVIDE MINIMUM R-25. SEE DETAIL A/LI-502.
 - X** HEAVY DUTY BRASS BALL VALVE, OR APPROVED EQUAL, SIZE TO MAIN LINE. SEE DETAIL B/LI-501.
 - +** BRASS MASTER VALVE, SIZE TO MAIN LINE. SEE DETAIL C/LI-501.
 - PR** PRESSURE REGULATOR, SET AT 60 PSI, SIZE TO MAIN LINE. SEE DETAIL G/LI-501.
 - +** NEW XGZ-100-B-COM MEDIUM FLOW COMMERCIAL CONTROL ZONE KIT WITH BASKET FILTER. PROVIDE CARTRIDGE JUMBO BOX WITH LOCKING COVER, COVER COLOR TO MATCH FINISH MATERIAL. SEE DETAIL D/LI-501.
 - ▼** MULTI-OUTLET EMITTER DEVICE, WITH 6 FREE FLOW PORTS. PROVIDE SIX (6) 5.0 GPH EMITTERS FOR EACH TREE. SEE DETAIL G/LI-501.
 - ▼** NEW MULTI-OUTLET EMITTER DEVICE 6 FREE FLOW PORTS. PROVIDE WITH TWO (2) 2.0 GPH EMITTERS PER 5 GALLON PLANT. SEE EMITTER LEGEND AND DETAIL G/LI-501.
 - NEW 1" PVC SCHEDULE 40 IPS PIPE MAIN LINE, 12' MIN. DEPTH OF BURY, CONTRACTOR TO PROVIDE TYPE K COPPER FROM METER TO BACKFLOW.
 - NEW PVC CLASS 200 LATERAL PIPE - ALL PIPE SHALL BE 3/4" UNLESS OTHERWISE SPECIFIED ON THE PLANS. 8" MIN. DEPTH OF BURY SEE DETAIL J/LI-501.
 - NEW PVC SCHEDULE 40 SLEEVING, CONTRACTOR SHALL BORE ALL SLEEVING UNDER ALL PAVED SURFACES. PROVIDE SUFFICIENT NUMBER TO ALLOW TOTAL PIPE DIAMETER IN SLEEVE TO FIT AND TO BE TWO (2) SIZES LARGER THAN THE SUM OF THE TOTAL DIAMETER OF THE PIPE HOUSED WITHIN. CONTROL WIRE SHALL BE IN SEPARATE SLEEVE. SEE DETAIL K/LI-501.
 - Ⓜ** RAIN SENSOR. FIELD LOCATE EXACT LOCATION. CONTRACTOR TO INSTALL A SENSOR SWITCH AS PER MANUFACTURER'S INSTRUCTIONS SEE DETAIL H/LI-501.

IRRIGATION LEGEND (EXISTING COMPONENTS)

- M** EXISTING WATER METER, LOCATION APPROXIMATE FOR REFERENCE ONLY
- B** EXISTING 1.5" BACKFLOW PREVENTION DEVICE IN ENCLOSURE.
- C** EXISTING IRRIGATION CONTROLLER
- Ⓞ** EXISTING QUICK COUPLER IN PURPLE VALVE BOX
- EXISTING 2" MAINLINE - SCHEDULE 40 PVC

IRRIGATION KEYED NOTES

- △** CUT MAIN LINE AT INDICATED LOCATION AND INSTALL AN ISOLATION VALVE AS INDICATED, FIELD LOCATE. KEEP PIPE THAT WILL BE REUSED, FREE OF DEBRIS.
- IRRIGATION NOTES**
- MAIN LINE CHANGES WILL BE PERFORMED USING APPROPRIATE FITTINGS. FLEXING OR BENDING RIGID PIPE WILL BE UNACCEPTABLE.
- NEW MAIN LINE AND MAIN LINE SECTIONS WHERE VALVES ARE ADDED MUST BE HYDROSTATICALLY TESTED FOR 24 HOURS AFTER PRESSURE REGULATOR, ZONE VALVES & ISOLATION VALVES HAVE BEEN INSTALLED. TEST MUST BE PERFORMED AT 50PSI ABOVE STATIC PRESSURE AFTER PRESSURE REGULATOR IS INSTALLED. CONTACT IRRIGATION DESIGNER IN WRITING 48 HOURS PRIOR TO TEST TO ALLOW DESIGNER TO BE PRESENT. 2% MAXIMUM ALLOWABLE DEVIATION FOR MAIN LINE PASS.
- PROTECT ALL EXISTING IRRIGATION EMITTER VALVES, LINES, DEVICES AND COMPONENTS FROM DAMAGE.
- FIELD LOCATE AND PROTECT EXISTING IRRIGATION VALVE WIRE. NO SPLICING OF VALVE WIRE WILL BE ALLOWED. DAMAGED WIRE WILL NEED TO BE REPLACED IN ITS ENTIRETY, FROM THE CONTROLLER TO THE VALVE.
- VALVE WIRE SHALL BE INCIDENTAL TO IRRIGATION COST.
- CONTRACTOR SHALL SHOW IRRIGATION VALVE WIRE ON AS BUILT MARK-UPS. CONTRACTOR'S AS-BUILT MARK-UPS SHALL BE AVAILABLE FOR INSPECTION WEEKLY.
- EXISTING AS-BUILTS MAY BE PROVIDED TO CONTRACTOR FOR REFERENCE DURING CONSTRUCTION.



SITES SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800

E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS

Valeria Lopez
05-28-19

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)

Housing Authority of the City of El Paso

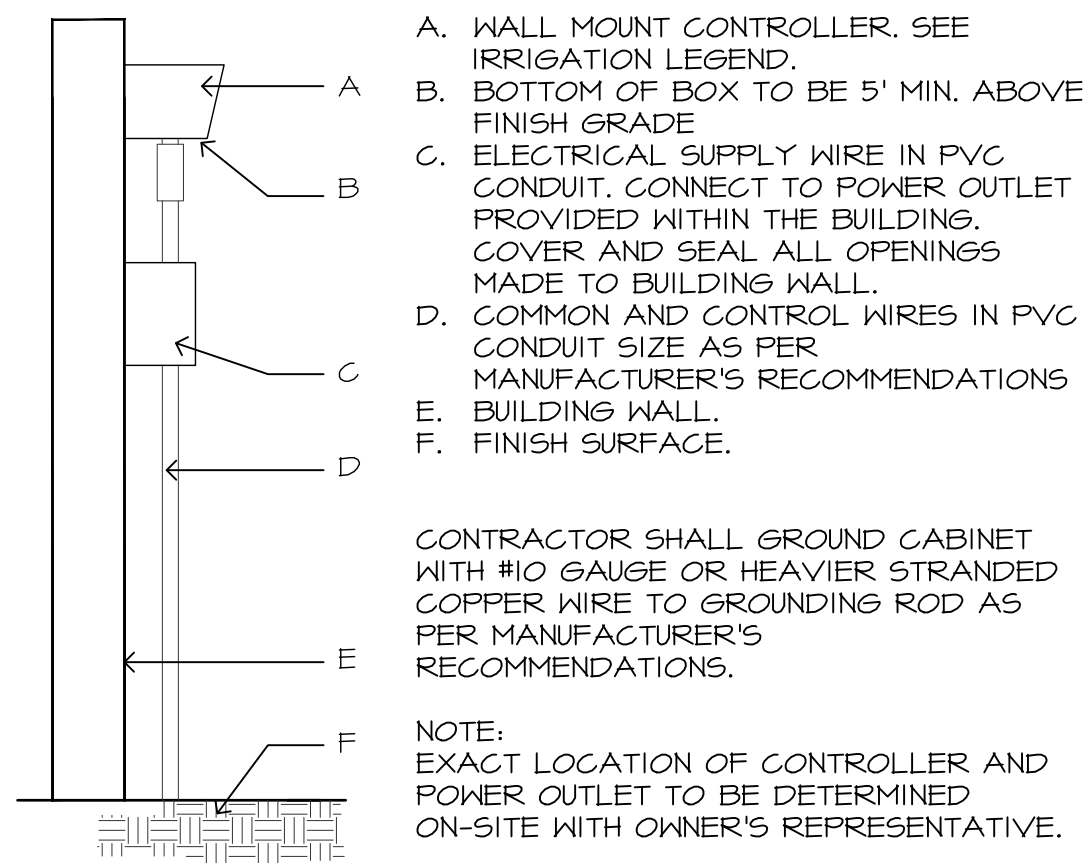
FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

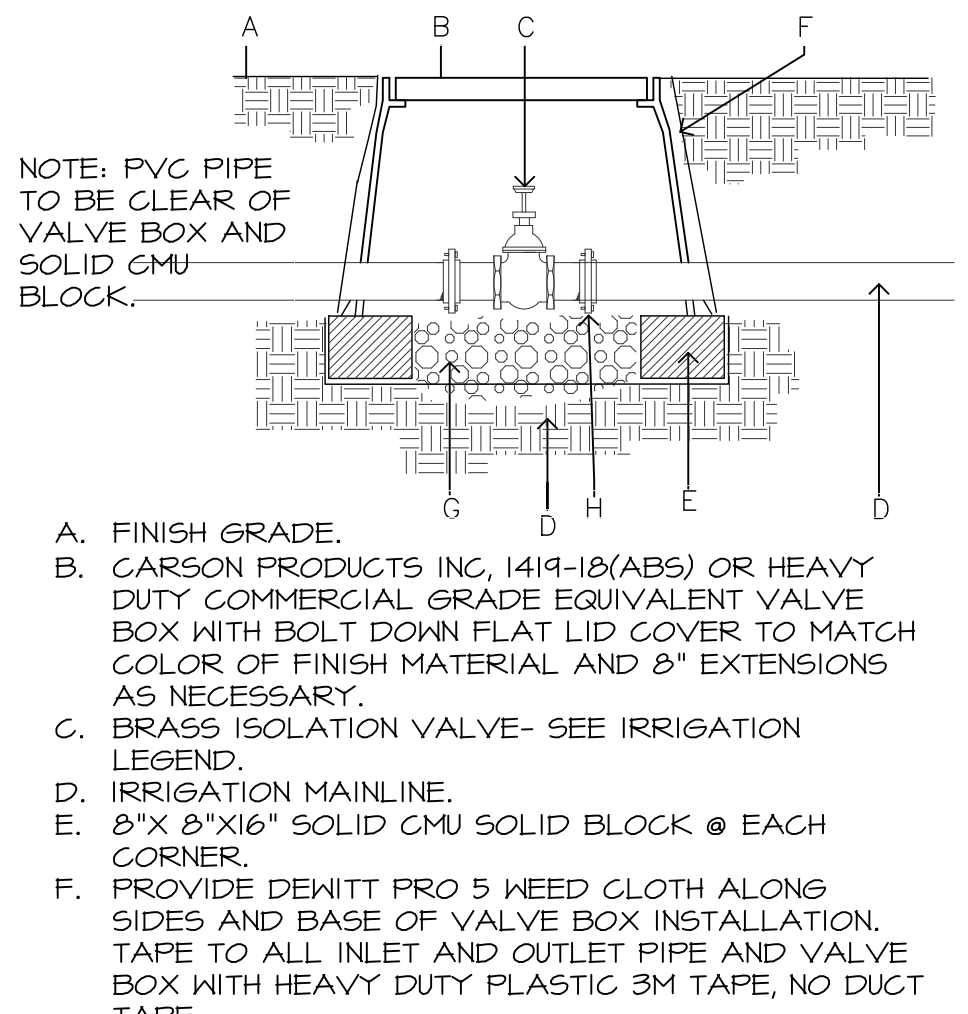
PROJECT NO:	2019048
CAD DWG FILE:	2019048 - IRR1 - HART.DWG
DRAWN BY:	STAFF
CHK'D BY:	D.B.H.
ISSUE DATE:	05/28/2019
COPYRIGHT:	SITES SOUTHWEST, LLC
SHEET TITLE:	

IRRIGATION PLAN HART

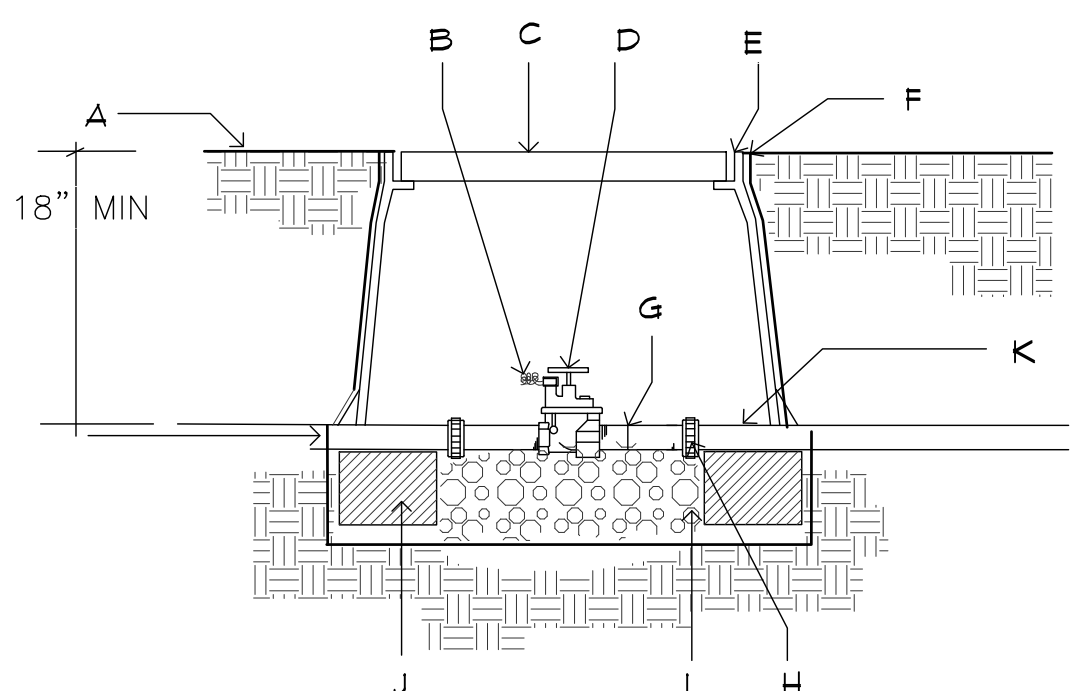
LI-103



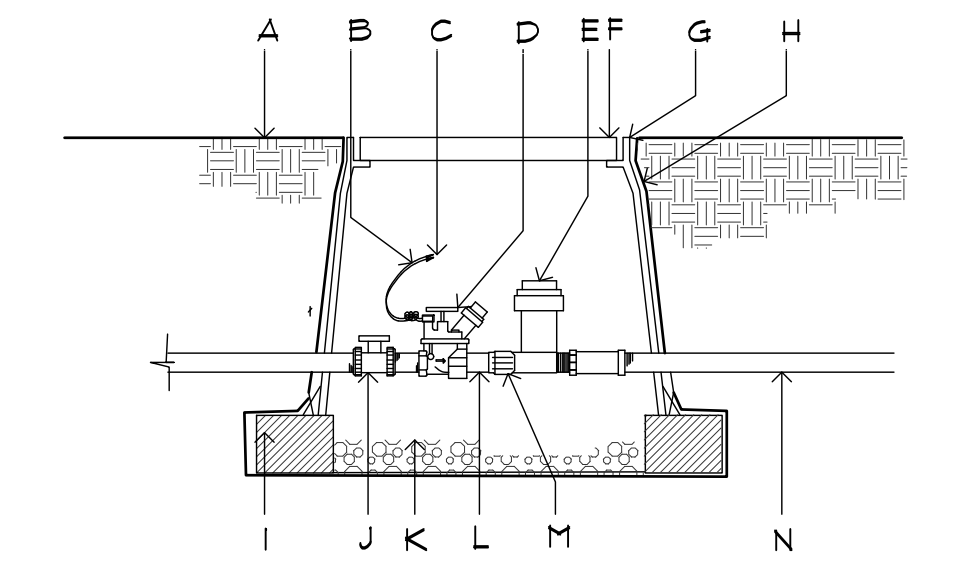
(A) WALL MOUNTED CONTROLLER
Not to scale



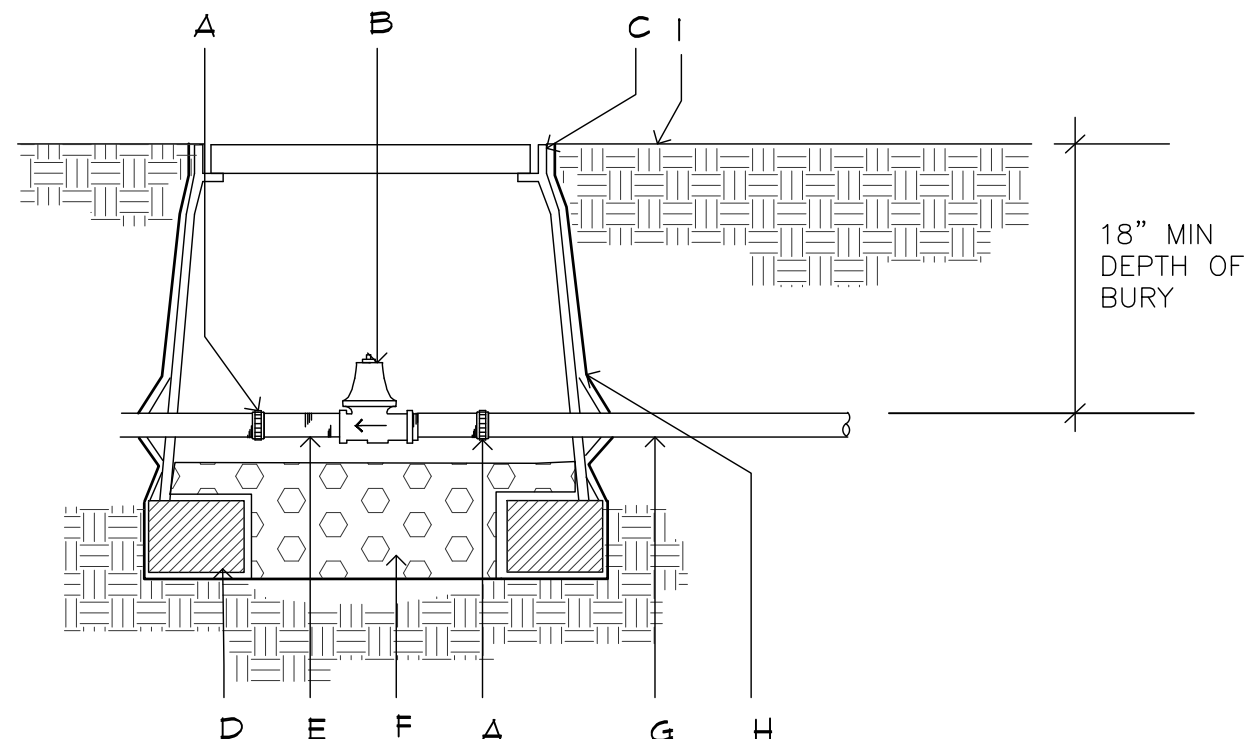
(B) ISOLATION (BALL) VALVE
Not to scale



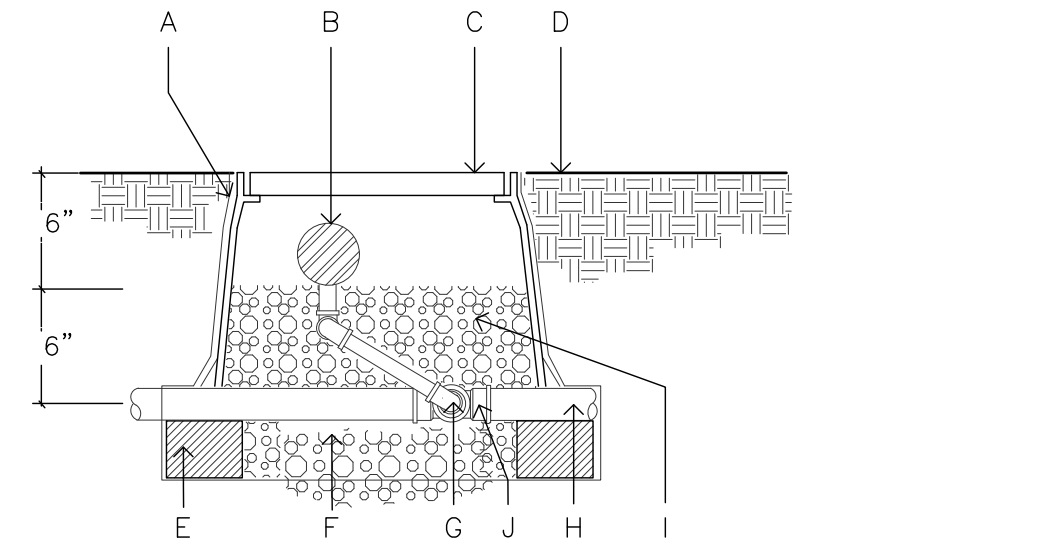
(C) IRRIGATION MASTER VALVE
Not to scale



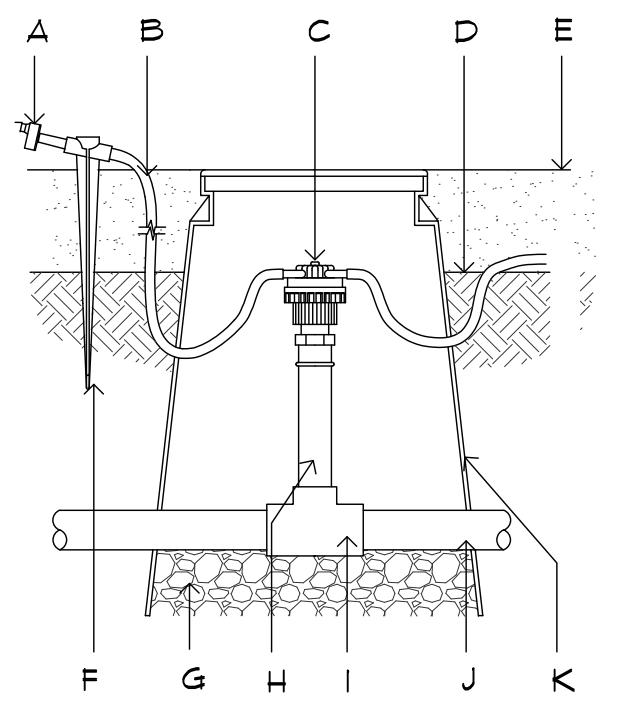
(D) DRIP VALVE/ FILTER ASSEMBLY
Not to scale



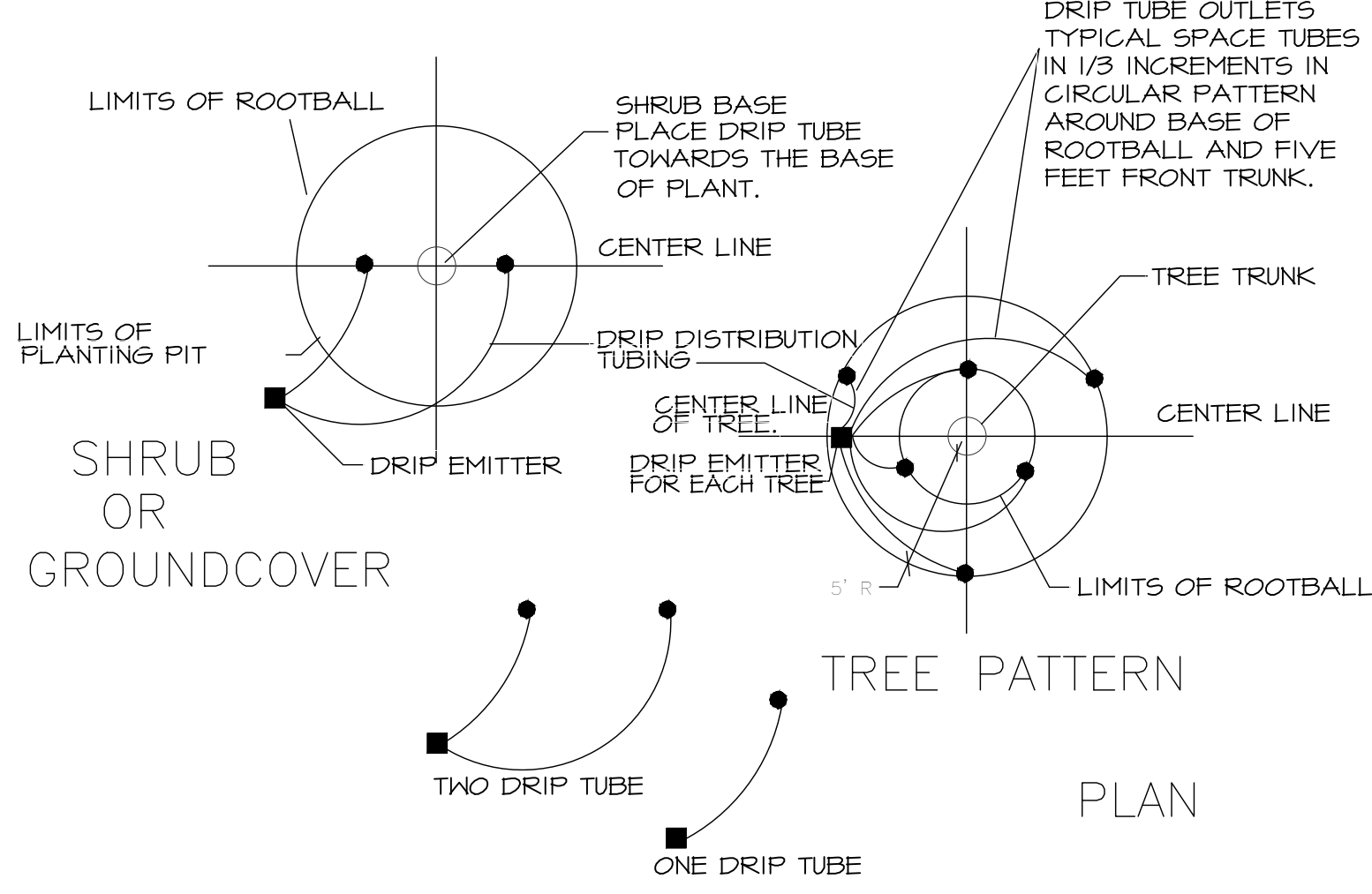
(E) MAINLINE PRESSURE REDUCING VALVE
Not to scale



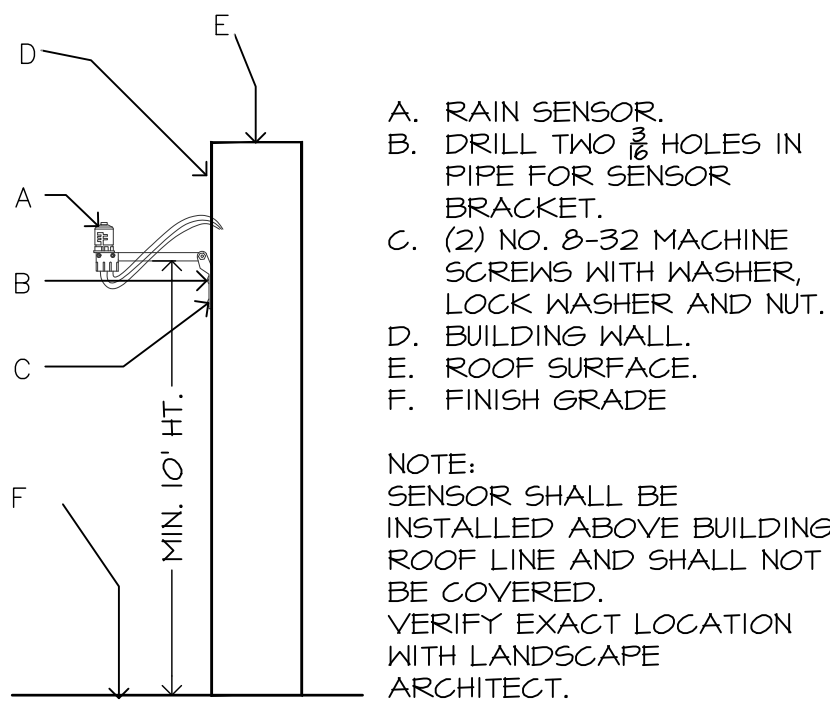
(F) AIR RELEASE VALVE
Not to scale



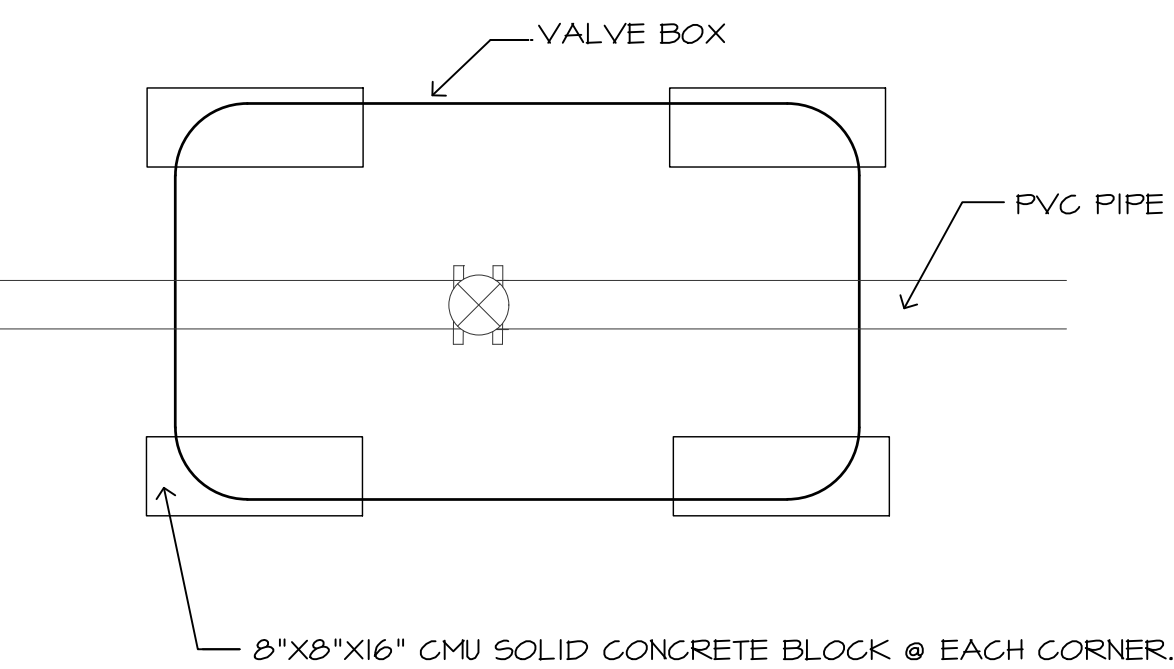
(G) 6-OUTLET EMITTER
Not to scale



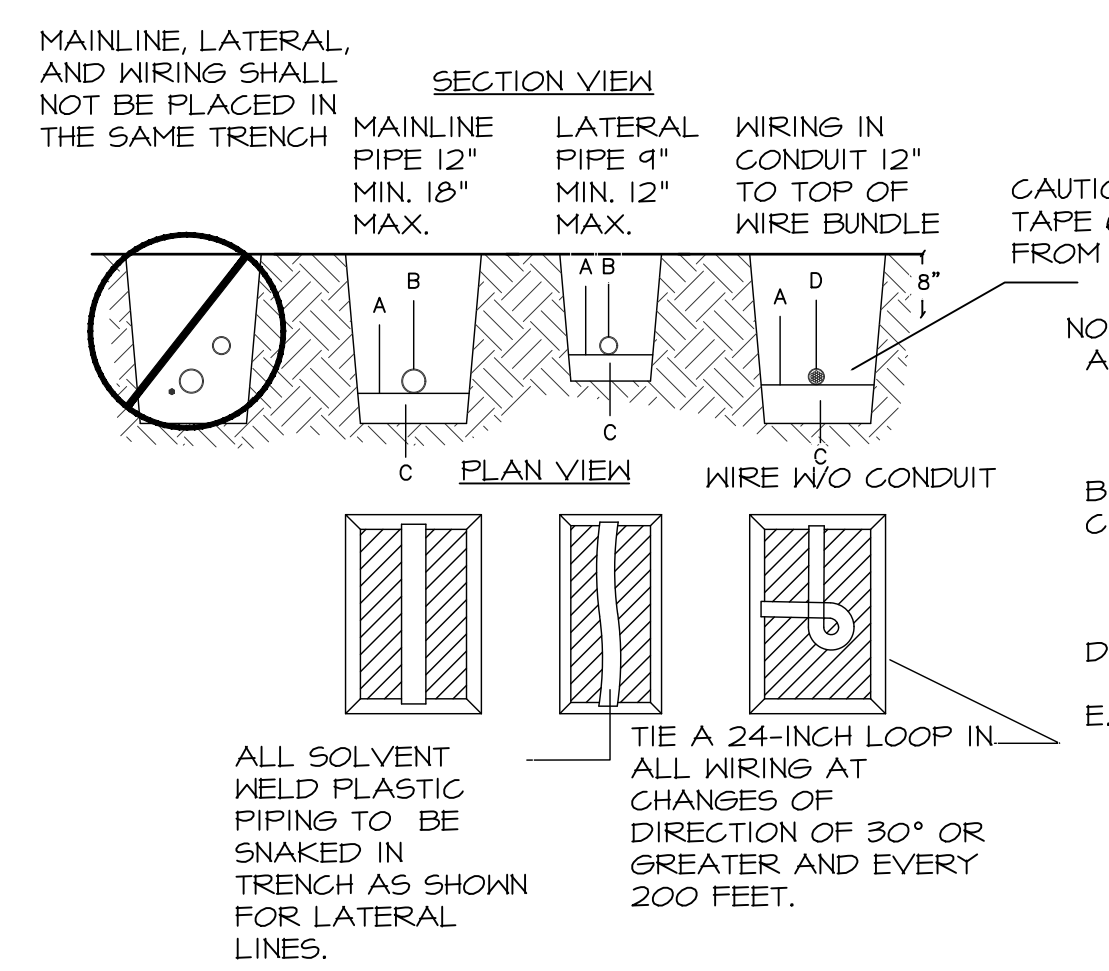
(H) TREE PATTERN PLAN
Not to scale



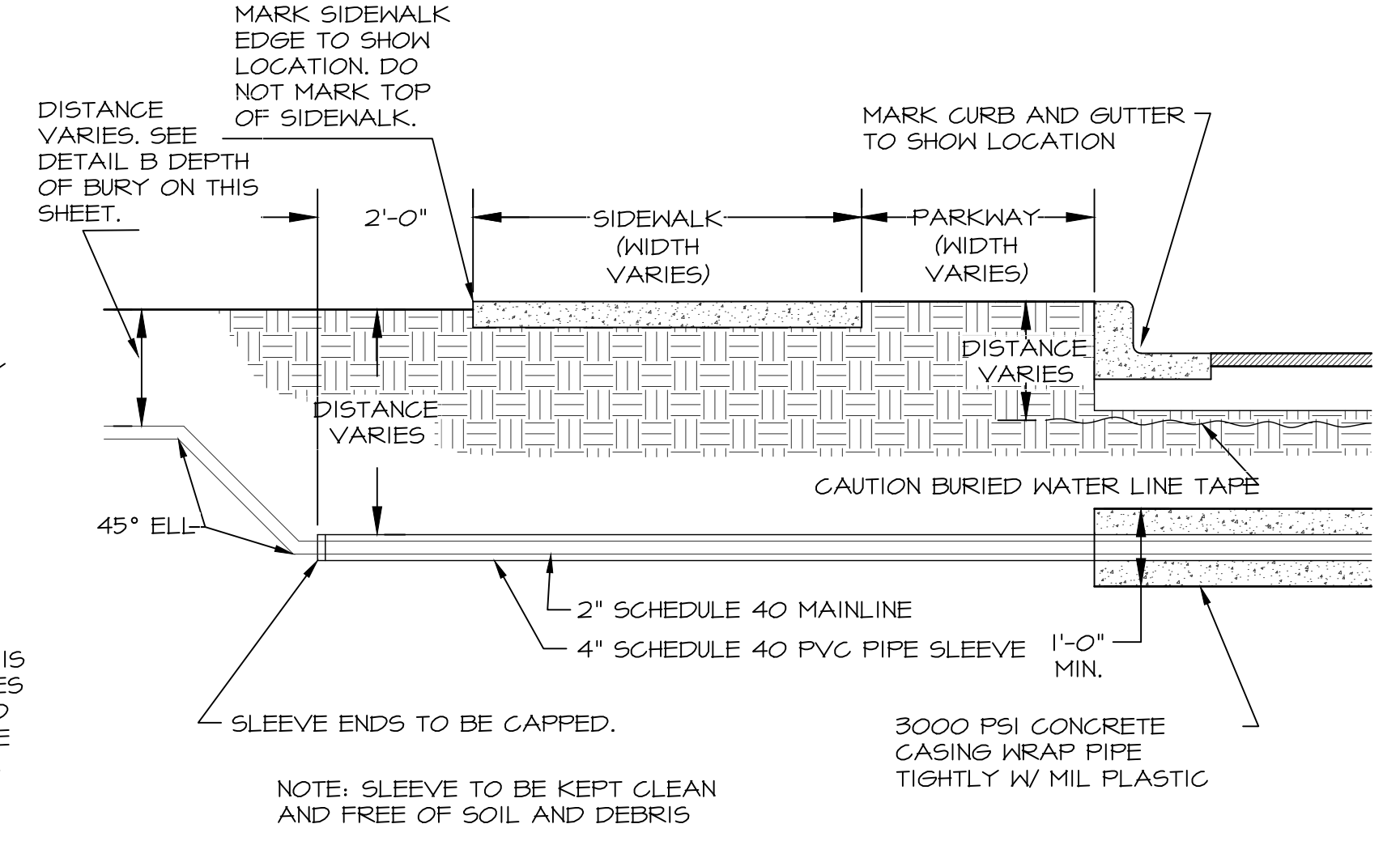
(I) RAIN SENSOR
Not to scale



(J) BLOCK PLACEMENT AT VALVE BOX
Not to scale



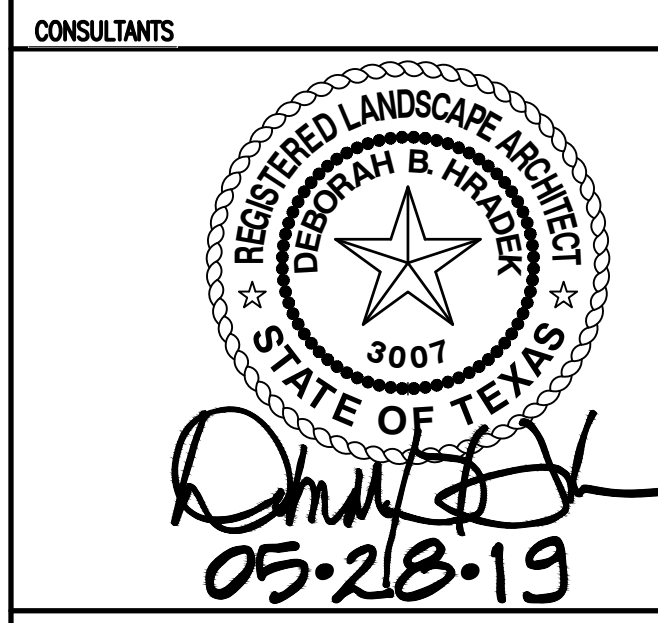
(K) DEPTH OF BURY
Not to scale



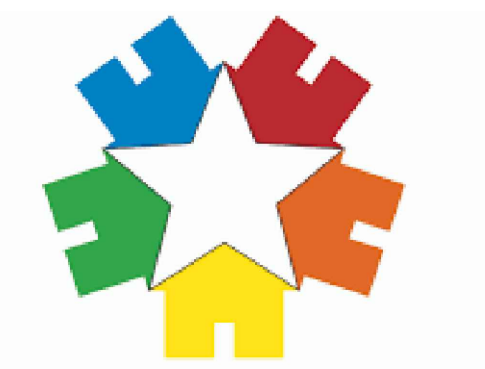
(L) PAVEMENT CROSSING SLEEVE DETAIL
Not to scale



4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com



PROJECT
CDBG HART & BAIRD IMPROVEMENTS
ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
CAD DWG FILE: 2019048 - DETAILS.DWG
DRAWN BY: STAFF
CHK'D BY: D.B.H.
ISSUE DATE: 05/28/2019
COPYRIGHT: SITES SOUTHWEST, LLC

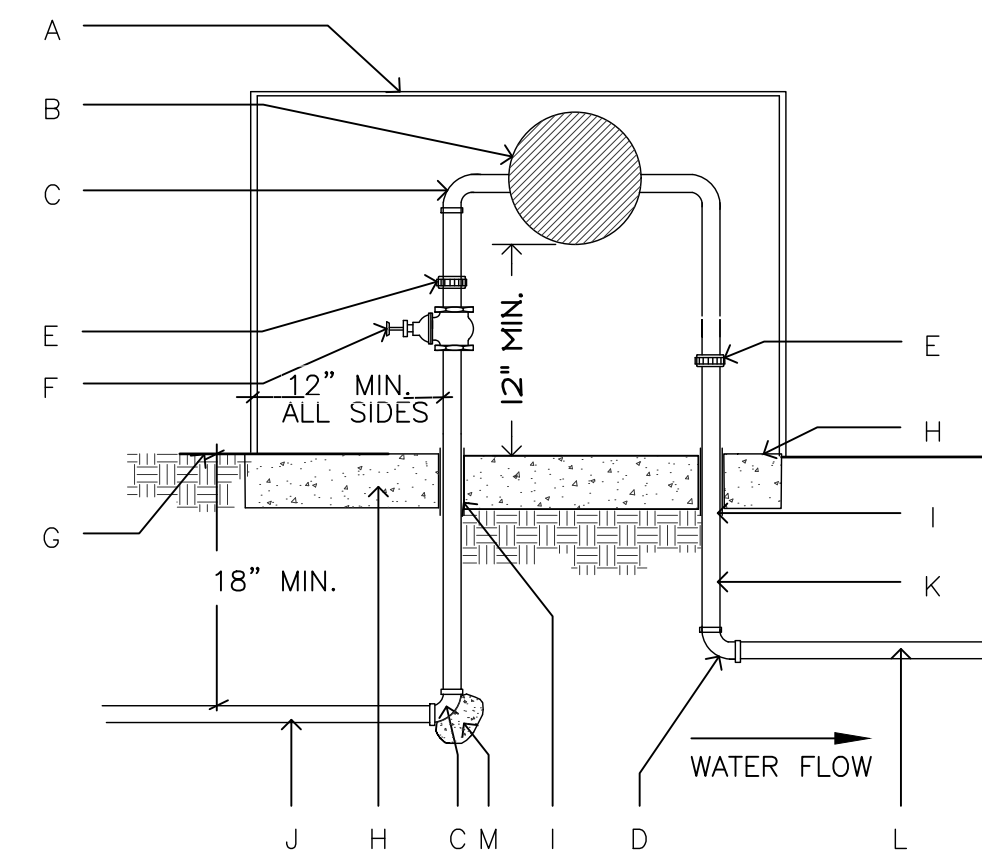
DETAILS
HART & BAIRD

LI-501

This document, whether in hard copy or machine readable format, is copyrighted and an instrument of service to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.

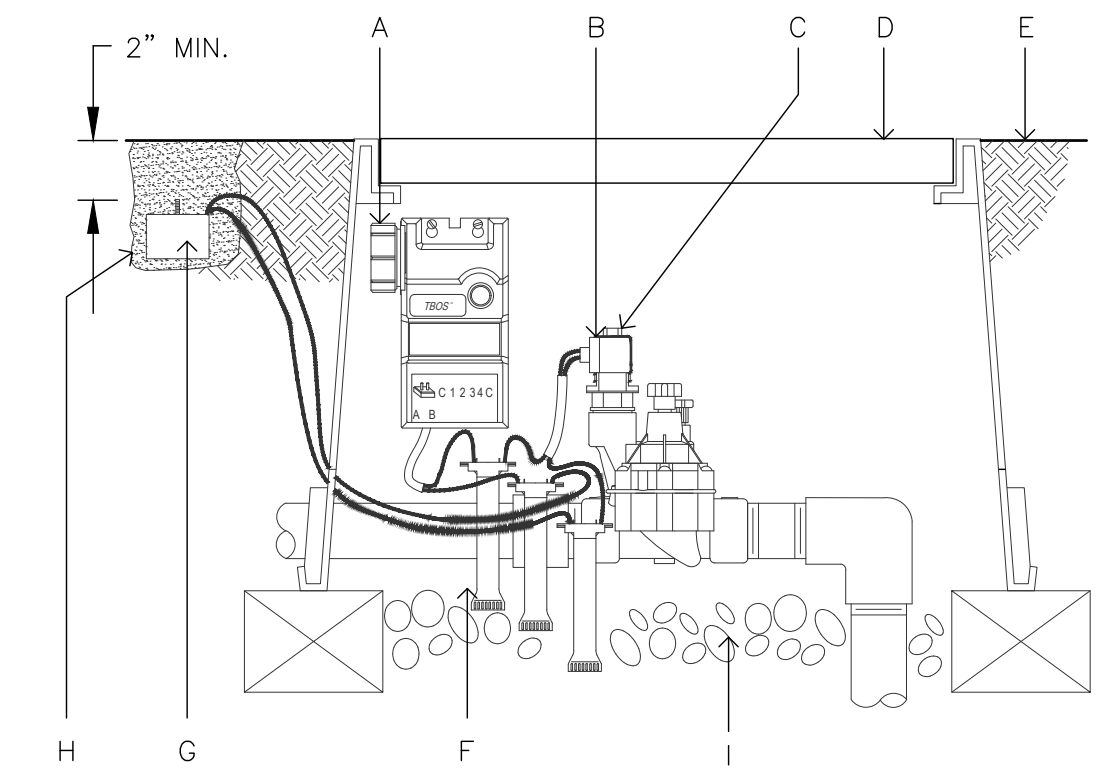
C:\Users\jmariscal\AppData\Local\Temp\AcP\jmariscal_201912\2019048 - DETAILS.dwg 5--28--19 04:03:51 PM rmariscal

This document, whether in hard copy or machine readable format, is copyrighted and an instrument of services in respect to the project for which it was prepared. This document is not intended or authorized for reuse by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.



- A. HOT BOX ENCLOSURE (SEE IRRIGATION LEGEND). INSULATE (R-25 MIN) FROM FREEZING MUST COMPLY WITH ASSE 1060. SECURE TO CONCRETE TO PREVENT THEFT & ALLOW FOR ACCESS BY OWNER.
- B. REDUCED PRESSURE ASSEMBLY BACKFLOW PREVENTER (SEE IRRIGATION LEGEND).
- C. TYPE K HARD DRAWN COPPER FITTINGS.
- D. PVC SCHE & FITTINGS.
- E. UNION, 4" ABOVE GRADE, MIN.
- F. BRASS BALL VALVE.
- G. FINISH GRADE.
- H. 4000 PSI CONCRETE PAD, 4" DEPTH, SLOPED 1% TO DRAIN.
- I. PIPE SHALL BE SLEEVED THROUGH CONCRETE PAD WITH SCH 40 PVC.
- J. SERVICE LINE.
- K. TYPE K COPPER PIPING.
- L. PVC IRRIGATION MAIN LINE.
- M. THRUST BLOCK. SEE DETAIL ON THIS SHEET.

(A) REDUCED PRESSURE BACKFLOW PREVENTER
Not to scale



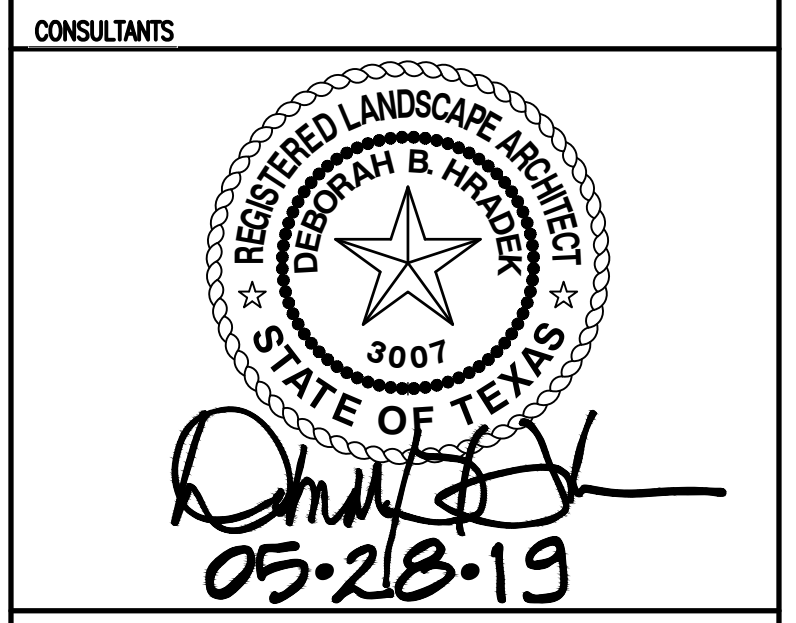
- A. CONTROL MODULE
- B. SOLENOID
- C. REMOTE CONTROL VALVE
- D. VALVE BOX WITH COVER, COVER & BOX COLOR TO MATCH FINISH MATERIAL
- E. FINISH GRADE
- F. WATERPROOF CONNECTION: "QUICK CONNECT" DBY (1 OF 3)
- G. RAIN SHUT-OFF DEVICE
- H. UNIFORM GRADED MEDIUM SAND, 35 TO 60 MESH SIZE
- I. 3/8" PEA GRAVEL

- GENERAL NOTES:
1. INSTALL AN 8"x8"x16" SOLID CMU BLOCK AT EACH END OF THE VALVE BOX.
 2. WASH ROCK SHALL BE INSTALLED FLUSH WITH BOTTOM OF PIPE AND VALVE.

(B) BATTERY OPERATED CONTROLLER
NOT TO SCALE

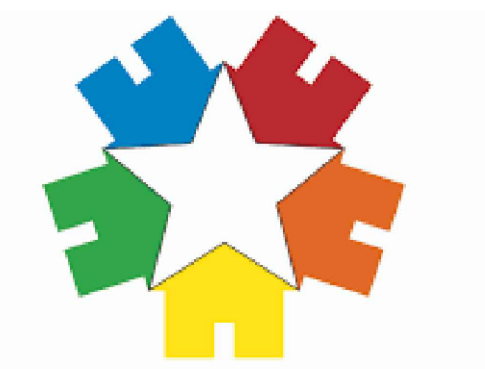


4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com



PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



**Housing Authority
of the City of El Paso**

FINAL FOR CONSTRUCTION

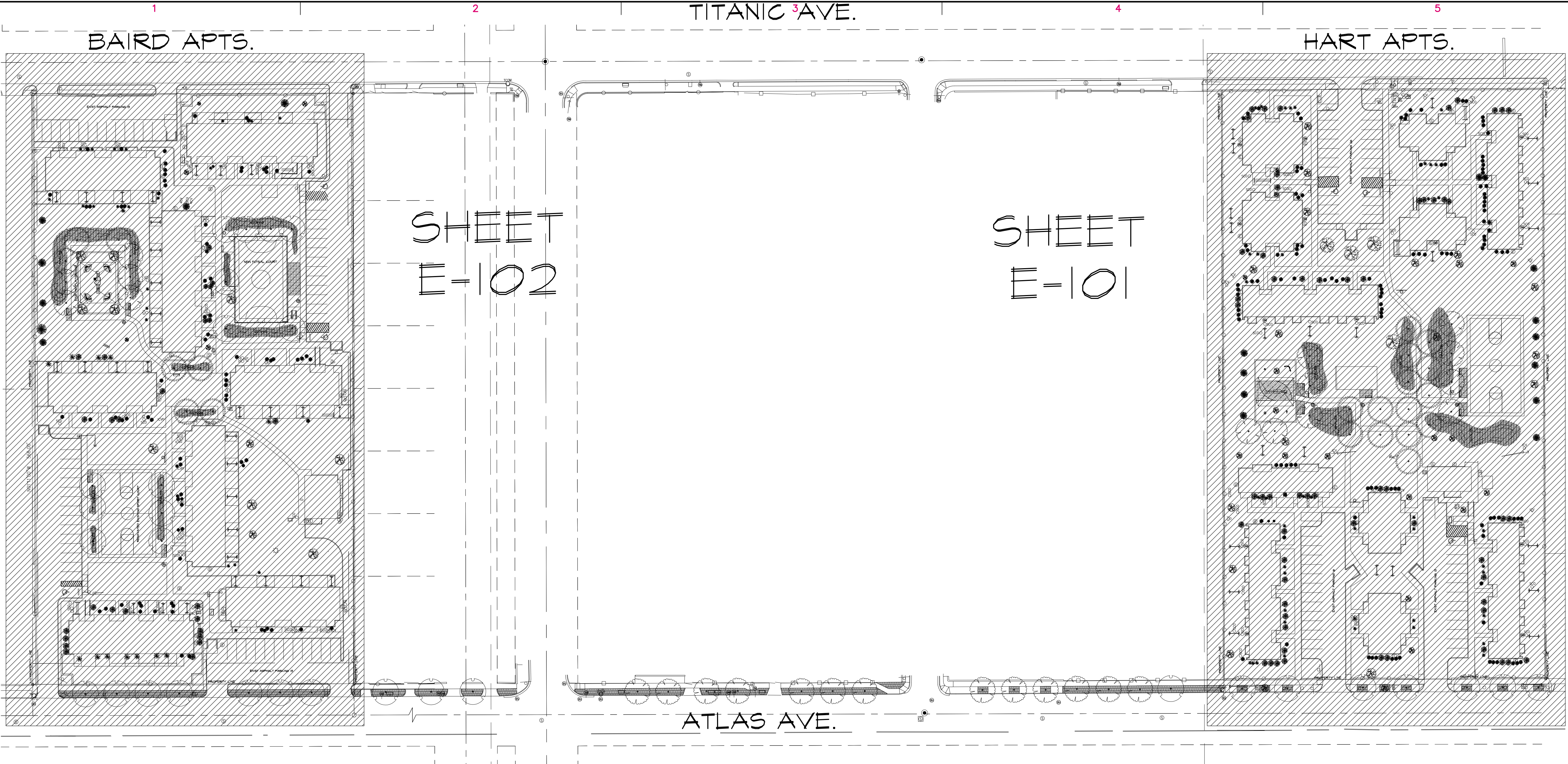
REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO:	2019048
CAD DWG FILE:	2019048 - DETAILS.DWG
DRAWN BY:	STAFF
CHK'D BY:	D.B.H.
ISSUE DATE:	05/28/2019
COPYRIGHT:	SITES SOUTHWEST, LLC

**DETAILS
HART & BAIRD**

LI-502

This document, whether in hard copy or machine-readable format, is copyrighted and an instrument of service in respect to the project for which it was prepared. This document is not intended or authorized for use by any party on extensions of such project or any other project. Any reuse, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.




OVERVIEW SITE PLAN
 0 12.5 25 50
 GRAPHIC SCALE

SCALE: 1"=50'-0"

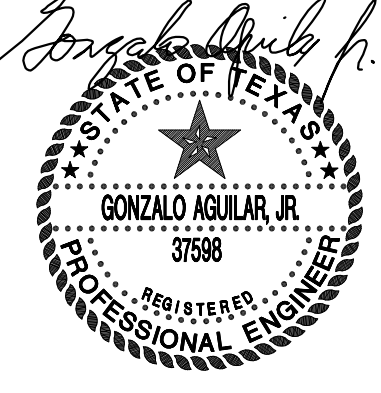


SITES
SOUTHWEST

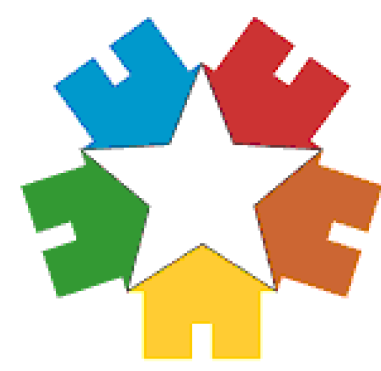
4110 RIO BRAVO, SUITE 217
 EL PASO, TX 79902
 PHONE: 915-351-8800
 E-MAIL: mail@sites-sw.com
 WEB: www.sites-sw.com

CONSULTANTS

The seal appearing on this document was authorized by Gonzalo Aguilar, Jr. on MAY 28, 2019.



PROJECT
 CDBG HART & BAIRD IMPROVEMENTS
ADDRESS
 4861 ATLAS AVE.
 EL PASO, TX 79904 (HART)
 4747 ATLAS AVE.
 EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS		
MARK	DATE	DESCRIPTION

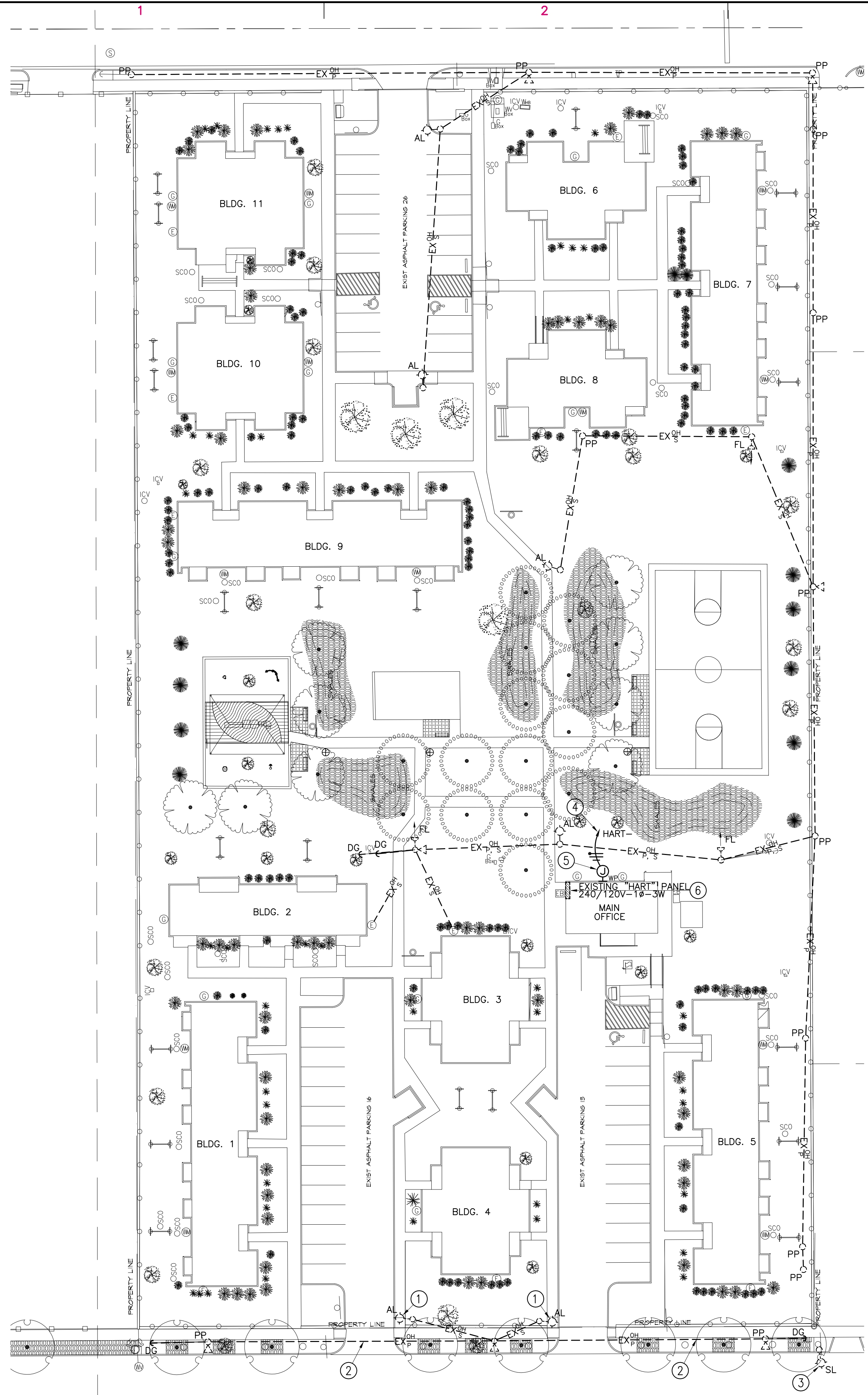
PROJECT NO: 2019048
 CAD DWG FILE: SSW TITLE-BLOCK_24X36.DWG
 DRAWN BY: J.M.S., A.M.
 CHK'D BY: G.A.
 ISSUE DATE: 05/28/2019
 COPYRIGHT: SITES SOUTHWEST, LLC

OVERALL PLAN
HART/BAIRD

E-100

XX XX

This document, whether in hard copy or machine-readable format, is copyrighted and an instrument of service in respect to the project for which it was prepared. This document is not intended or authorized for use by any party on extensions of such project, or any other project, any part, including copying and/or modifying the document, without written permission from SITES SOUTHWEST, LLC. For the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.



GENERAL ELECTRICAL NOTES : APPLICABLE TO ALL HART ELECTRICAL SHEETS

1. CONTRACTOR SHALL CONDUCT MEG-OHM METER TESTS ON ALL CONDUCTORS INSTALLED UNDER THIS CONTRACT, INCLUDING BRANCH CIRCUITS. TESTS SHALL BE CONDUCTED WITH FIXTURE DRIVERS CONNECTED TO THE CIRCUIT CONDUCTORS. MINIMUM ACCEPTABLE READINGS SHALL BE 100 MEG-OHMS AT 1,000 VOLTS D.C. CONDUCTORS THAT DO NOT PASS THE TEST SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER AND RETESTED. PROVIDE WRITTEN RESULTS.
2. PRIOR TO FINAL INSPECTION, THE CONTRACTOR SHALL FURNISH THE FOLLOWING TO THE OWNER AND ELECTRICAL ENGINEER:
 - a) MEGGAR TESTS
3. EXISTING UNDERGROUND UTILITIES ARE SHOWN IN ACCORDANCE WITH THE INFORMATION, IF ANY, PROVIDED BY THE RESPECTIVE UTILITY. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO COMMENCING ANY EXCAVATION.
4. EXCESS MATERIAL DUE TO TRENCHING AND EXCAVATION SHALL BE SPREAD EVENLY TO COMPLEMENT NEW OR EXISTING GRADES.
5. DO NOT CUT EXISTING ASPHALT AND CONCRETE WALKWAYS. CONDUITS SHALL BE INSTALLED ACROSS WALKWAYS BY BORING UNDER THE WALKWAYS.
6. CONDUITS SHALL BE ROUTED AROUND EXISTING PLAYGROUND AREAS, BASKETBALL COURTS AND PARKING LOTS. ALL DAMAGED SURFACES SHALL BE RESTORED TO THEIR PRE-CONSTRUCTION STATE.
7. EACH 120 VOLT CIRCUIT UNGROUNDED "HOT" CONDUCTOR SHALL HAVE A DEDICATED NEUTRAL. THE USE OF COMMON NEUTRALS FOR 2 OR MORE "HOT" CONDUCTORS SHALL NOT BE ACCEPTABLE. NEUTRAL CONDUCTORS SHALL BE IDENTIFIED WITH A BLACK, RED OR BLUE TRACER TO MATCH ITS RESPECTIVE "HOT" CONDUCTOR.
8. CONTRACTOR SHALL EXERCISE CAUTION NOT TO DAMAGE EXISTING UNDERGROUND UTILITIES. "AS-BUILT" DRAWINGS SHALL BE OBTAINED FROM THE OWNER PRIOR TO TRENCHING. ALL DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY WORKMEN SKILLED IN THE PARTICULAR TRADE AT NO ADDITIONAL COST TO THE OWNER. ANY REROUTING OF EXISTING UTILITIES NECESSITATED BY THE WORK TO BE PERFORMED UNDER THIS CONTRACT SHALL ALSO BE ACCOMPLISHED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

KEYED NOTES: THIS SHEET ONLY

- ① EXISTING AREA LIGHT TO REMAIN.
- ② EXISTING OVERHEAD PRIMARY LINE TO REMAIN. (E.P.E.Co.)
- ③ EXISTING STREET LIGHT TO REMAIN.
- ④ 2#12, 1#12 GND IN 3/4" C. CONNECT TO NEW 20A-1P IN EXISTING PANEL "HART" PER NOTE ⑥ BELOW.
- ⑤ J-BOX FOR IRRIGATION CONTROLLER. VERIFY EXACT LOCATION IN THE FIELD PRIOR TO ROUGH-IN. MAKE ALL POWER CONNECTIONS FOR PROPER OPERATION.
- ⑥ EXISTING PANEL "HART" IS EATON, 225 AMPS, 240/120V-1Ø-3W AND HAS 9-20A-1P SPACES. INSTALL NEW 20A-1P BREAKER TO SERVE NEW IRRIGATION CONTROLLER PER NOTE ④ ABOVE. REVISE DIRECTORY TO REFLECT NEW LOAD. (TYPEWRITTEN)

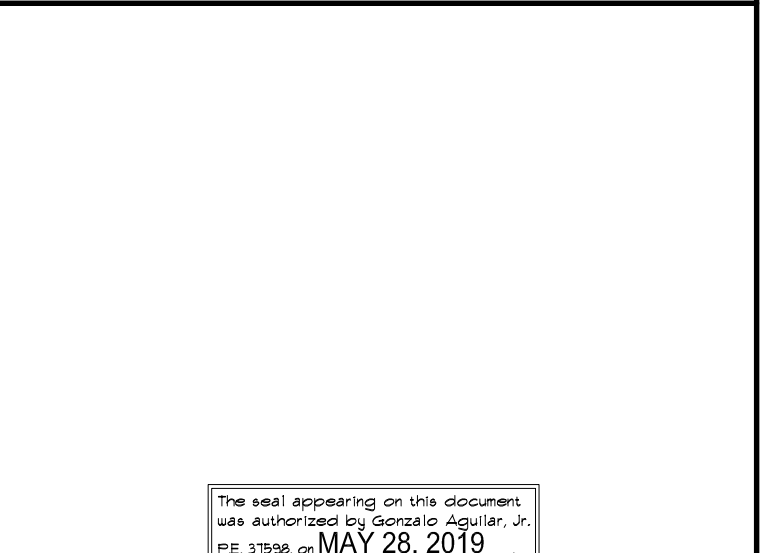


SITES
SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800

E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



Gonzalo Aguilar, Jr.
REGISTERED PROFESSIONAL ENGINEER
STATE OF TEXAS
NO. 37686
MAY 28, 2019

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority
of the City of El Paso

FINAL FOR CONSTRUCTION

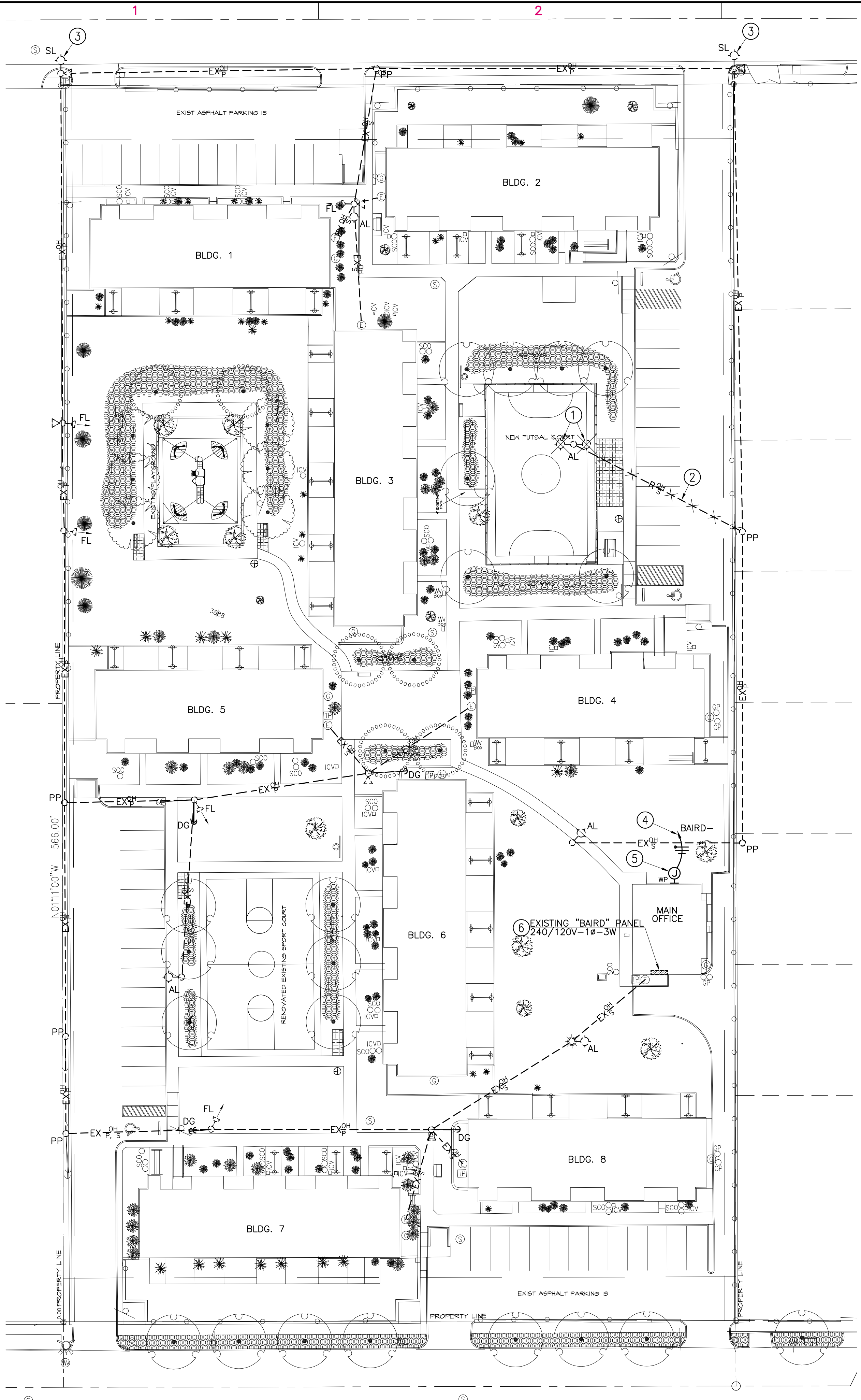
REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
CAD DWG FILE: SSW TITLE-BLOCK_24X36.DWG
DRAWN BY: J.M.S., A.M.
CHK'D BY: G.A.
ISSUE DATE: 05/28/2019
COPYRIGHT: SITES SOUTHWEST, LLC

ELECTRICAL
PLAN
HART

E-101

This document, whether in hard copy or machine-readable format, is copyrighted and an instrument of service in respect to the project for which it was prepared. This document is not intended or authorized for use on any other project, in any other format, or for any other purpose. Any reproduction, copying, or distribution of this document without the written permission of SITES SOUTHWEST, LLC, for the specific purpose intended is a violation of federal copyright law. Unauthorized use of this material may result in civil and/or criminal penalties.



GENERAL ELECTRICAL NOTES : APPLICABLE TO ALL BAIRD ELECTRICAL SHEETS

1. CONTRACTOR SHALL CONDUCT MEG-OHM METER TESTS ON ALL CONDUCTORS INSTALLED UNDER THIS CONTRACT, INCLUDING BRANCH CIRCUITS. TESTS SHALL BE CONDUCTED WITH FIXTURE DRIVERS CONNECTED TO THE CIRCUIT CONDUCTORS. MINIMUM ACCEPTABLE READINGS SHALL BE 100 MEG-OHMS AT 1,000 VOLTS D.C. CONDUCTORS THAT DO NOT PASS THE TEST SHALL BE REPLACED AT NO ADDITIONAL COST TO THE OWNER AND RETESTED. PROVIDE WRITTEN RESULTS.
2. PRIOR TO FINAL INSPECTION, THE CONTRACTOR SHALL FURNISH THE FOLLOWING TO THE OWNER AND ELECTRICAL ENGINEER:
 - a) MEGGAR TESTS
3. EXISTING UNDERGROUND UTILITIES ARE SHOWN IN ACCORDANCE WITH THE INFORMATION, IF ANY, PROVIDED BY THE RESPECTIVE UTILITY. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO COMMENCING ANY EXCAVATION.
4. EXCESS MATERIAL DUE TO TRENCHING AND EXCAVATION SHALL BE SPREAD EVENLY TO COMPLEMENT NEW OR EXISTING GRADES.
5. DO NOT CUT EXISTING ASPHALT AND CONCRETE WALKWAYS. CONDUITS SHALL BE INSTALLED ACROSS WALKWAYS BY BORING UNDER THE WALKWAYS.
6. CONDUITS SHALL BE ROUTED AROUND EXISTING PLAYGROUND AREAS, BASKETBALL COURT AND PARKING LOTS. ALL DAMAGED SURFACES SHALL BE RESTORED TO THEIR PRE-CONSTRUCTION STATE.
7. EACH 120 VOLT CIRCUIT UNGROUNDED "HOT" CONDUCTOR SHALL HAVE A DEDICATED NEUTRAL. THE USE OF COMMON NEUTRALS FOR 2 OR MORE "HOT" CONDUCTORS SHALL NOT BE ACCEPTABLE. NEUTRAL CONDUCTORS SHALL BE IDENTIFIED WITH A BLACK, RED OR BLUE TRACER TO MATCH ITS RESPECTIVE "HOT" CONDUCTOR.
8. CONTRACTOR SHALL EXERCISE CAUTION NOT TO DAMAGE EXISTING UNDERGROUND UTILITIES. "AS-BUILT" DRAWINGS SHALL BE OBTAINED FROM THE OWNER PRIOR TO TRENCHING. ALL DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY WORKMEN SKILLED IN THE PARTICULAR TRADE AT NO ADDITIONAL COST TO THE OWNER. ANY REROUTING OF EXISTING UTILITIES NECESSITATED BY THE WORK TO BE PERFORMED UNDER THIS CONTRACT SHALL ALSO BE ACCOMPLISHED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

KEYED NOTES: THIS SHEET ONLY

- ① EXISTING AREA LIGHT TO BE REMOVED BY EL PASO ELECTRIC.
- ② EXISTING OVERHEAD SECONDARY LINE TO BE REMOVED BY EL PASO ELECTRIC.
- ③ EXISTING STREET LIGHT TO REMAIN. (E.P.E.Co.)
- ④ 2#12, 1#12 GND IN 3/4" C. CONNECT TO NEW 20A-1P IN EXISTING PANEL "BAIRD" PER NOTE ⑤ BELOW.
- ⑤ J-BOX FOR IRRIGATION CONTROLLER. VERIFY EXACT LOCATION IN THE FIELD PRIOR TO ROUGH-IN. MAKE ALL POWER CONNECTIONS FOR PROPER OPERATION.
- ⑥ EXISTING PANEL "BAIRD" IS EATON, 225 AMPS, 240/120V-1Ø-3W AND HAS 9-20A-1P SPACES. INSTALL NEW 20A-1P BREAKER TO SERVE NEW IRRIGATION CONTROLLER PER NOTE ④ ABOVE. REVISE DIRECTORY TO REFLECT NEW LOAD. (TYPEWRITTEN)



SITES
SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800

E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS

The seal appearing on this document
was authorized by Gonzalo Aguilar, Jr.
on MAY 28, 2019.



PROJECT

CDBG HART & BAIRD IMPROVEMENTS

ADDRESS

**4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)**



**Housing Authority
of the City of El Paso**

FINAL FOR CONSTRUCTION

REVISIONS		
MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
CAD DWG FILE: SSW TITLE-BLOCK_24X36.DWG
DRAWN BY: J.M.S., A.M.
CHK'D BY: G.A.
ISSUE DATE: 05/28/2019
COPYRIGHT: SITES SOUTHWEST, LLC

SHEET TITLE

**ELECTRICAL
PLAN
BAIRD**

E-102

ELECTRICAL PLAN - BAIRD



SCALE: 1"=30'-0"

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "2014 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES," (APPLICABLE ITEMS ONLY).
 - ALL FILL AREAS SHALL BE COMPACTED TO 95% DENSITY, (ASTM D-1557).
 - REFER TO THE CITY OF EL PASO GRADING ORDINANCE CHAPTER 18.44 FOR SITE GRADING SPECIFICATIONS. GRADING PERMIT MUST BE AVAILABLE AT THE JOB SITE UPON COMMENCEMENT OF WORK.
 - POSITIVE DRAINAGE SHALL BE PROVIDED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION AND GRADING. THE CONTRACTOR SHALL NOT ALLOW DEBRIS OR SEDIMENT TO SPILL ONTO THE PUBLIC STREETS OR ADJOINING PROPERTIES.
 - CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITY LINES (SHOWN OR NOT SHOWN) WITHIN THE SCOPE OF CONSTRUCTION. THE CONTRACTOR MUST NOTIFY THE RESPECTIVE AGENCY PRIOR TO MOVING ON SITE, SO THE EXISTING UTILITY LINES CAN BE LOCATED IN THE FIELD. IF ANY LINES ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN EXPENSE.
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS ON SITE AND SHALL CONTACT THE DESIGN ENGINEER AND REPORT ANY DISCREPANCIES, OMISSIONS, AND ERRORS ON PLANS PRIOR TO COMMENCING OR CONTINUING WORK.
- "CAUTION TO CONTRACTOR"**
- LOCATE AND PROTECT FROM DAMAGE ALL UTILITY LINES WITHIN THE CONSTRUCTION AREA.
 - GRADING, SWPPP, AND N.O.I. PERMITS REQUIRED BEFORE MOVING ON SITE.
 - ALL RAMP SHALL HAVE A MAX. OF 1:12 SLOPE AND ALL SIDEWALKS SHALL HAVE A MAX. OF 2% CROSS SLOPE. ALL ACCESSIBLE PARKING SPACES SHALL HAVE A MAX. OF 2% (LONGITUDINAL OR CROSS SLOPE) ALL ACCESSIBLE ROUTES SHALL HAVE A MAX. OF 5% SLOPE.
- PERMIT CLOSEOUT PROCEDURES (18.44.226)
- AFTER THE PERMITTEE COMPLETES THE GRADING UNDER THE PERMIT, THE PERMIT SHALL BE CLOSED. AS PART OF THE CLOSEOUT PROCEDURE, THE APPLICANT MUST SUBMIT THE FOLLOWING TO THE CITY:
 - A STATEMENT FROM THE ENGINEER OF RECORD THAT STATES "THE GRADING OPERATION HAS BEEN SUBSTANTIALLY COMPLETED AND GENERALLY CONFORMS TO THE APPROVED SET OF PLANS." THE PERMITTEE SHALL CALL THE PERMIT OFFICIAL TO ESTABLISH THE BEGINNING OF THE WARRANTY PERIOD AND TO NOTIFY THE PERMIT OFFICIAL THAT THE GSP HAS BEEN IMPLEMENTED.
 - A COPY OF THE NOTICE OF TERMINATION FILED WITH THE STATE OR DATED CONSTRUCTION SITE NOTICE, IF APPLICABLE, IN ACCORDANCE WITH CHAPTER 15.
- THE CITY WILL ISSUE A LETTER STATING GENERAL CONFORMANCE TO THE PERMIT HAS BEEN MET AND THAT THE WARRANTY PERIOD REQUIREMENTS WILL BE IN EFFECT.
(ORDINANCE NO. 17516, § 1, 3-29-2011)
- WARRANTY (18.44.090)
- ANY PERSON ISSUED A PERMIT SHALL AGREE, WARRANT AND MAINTAIN THE AREA DESCRIBED IN THE PERMIT FOR A PERIOD OF TWO YEARS AFTER THE PERMIT IS CLOSED BY THE CITY PURSUANT TO SECTION 18.44.220, OR UNTIL A BUILDING PERMIT IS ISSUED FOR THE PURPOSE OF MAINTAINING A STABILIZED SITE IN ACCORDANCE WITH THE APPROVED GSP, WHICHEVER FIRST OCCURS (THE "WARRANTY" OR "WARRANTY PERIOD"). THE CITY MAY CONDUCT INSPECTIONS OF THE PERMITTED AREA THROUGHOUT THE WARRANTY PERIOD AND REQUIRE MAINTENANCE AND CORRECTION OF THE WORK BY THE PERMIT HOLDER. FAILURE OF THE PERMIT HOLDER TO CORRECT THE WORK SHALL CONSTITUTE A FAILURE TO COMPLY WITH THE PROVISIONS OF THIS CHAPTER.
(ORDINANCE NO. 17516, § 1, 3-29-2011)

EROSION CONTROL:

- WIND EROSION CONTROL: WATERING DURING AND AFTER COMPLETION OF SITE GRADING, THE PROJECT AREA SHALL BE COMPLETELY WATERED AS NEEDED TO CONTROL WIND EROSION OR AS DIRECTED BY THE CITY ENGINEER.
- THE CONTRACTOR SHALL CLEAN UP ANY DIRT OR DEBRIS THAT IS SPILLED ON THE EXISTING PUBLIC ROADWAY AS A RESULT OF THIS CONSTRUCTION PROJECT. CLEAN UP IS TO BE DONE ON A REGULAR BASIS OR AS DIRECTED BY THE CITY ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SLOPES IN GOOD CONDITION AND PROTECTING THEM FROM EROSION UNTIL THE FINAL LANDSCAPING ELEMENTS ARE IN PLACE.

FLOOD ZONE:

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 480214 0024 B, DATED OCTOBER 15, 1982 THIS PROPERTY LIES IN FLOOD ZONE "C".

ZONE "C", AREAS OF MINIMAL FLOODING (NO SHADING).

DUE TO INHERENT INACCURACIES OF FEMA OR FLOOD INSURANCE RATE MAPS THIS SURVEYOR DOES NOT CERTIFY TO THE ACCURACY OF LOCATIONS BASED ON SUCH MAPS. THIS FLOOD STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR.

LEGAL DESCRIPTION

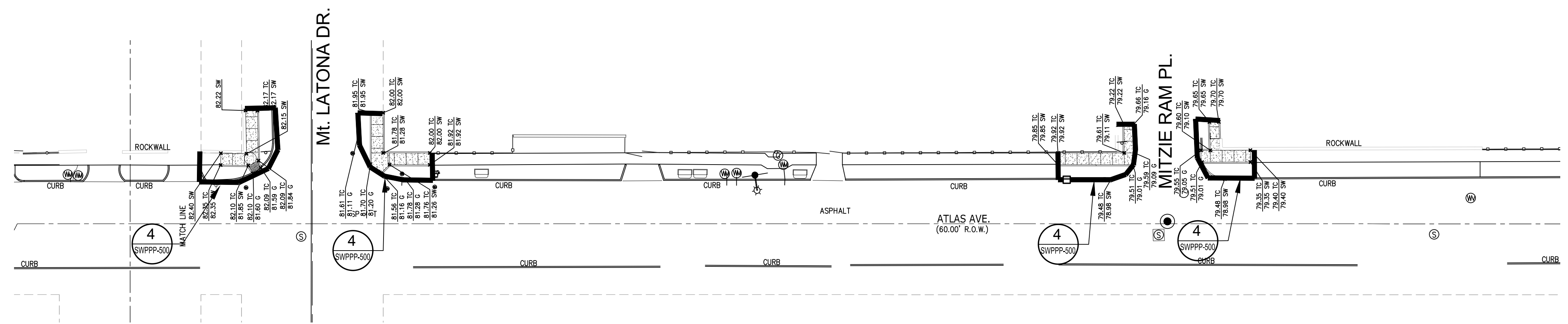
ATLAS ROW - NORTH PORTION
EL PASO, EL PASO COUNTY, TEXAS.

BENCHMARK:

EXISTING CITY MONUMENT LYING AT THE CENTERLINE INTERSECTION OF TITANIC AVE. AND PANDORA ST.
ELEVATION: 3874.01' CITY DATUM

IMPORTANT CONSTRUCTION NOTE

VIBRATORY ROLLERS WILL BE NOT ALLOWED DURING CONSTRUCTION.



1 STORM WATER POLLUTION PREVENTION PLAN
SWPPP-101 SCALE: 1"=30'-0"

LEGEND

76.20FG	NEW FG ELEV. (GROUND)
76.20SK	NEW SIDEWALK ELEV.(CONCRETE)
76.20P	NEW FG ELEV. (PAVEMENT)
76.20G	NEW FG ELEV. (GUTTER)
76.20TC	NEW FG ELEV. (TOP OF CURB)
76.20CS	NEW FG ELEV. (CONCRETE SLAB)
76.20TW	NEW FG ELEV. (TOP OF WALL)
76.20PV	NEW FG ELEV. (TOP OF PAVERS)
76.20LS	NEW FG ELEV. (LANDSCAPE)
3876.2 X	EXISTING GROUND (SPOT ELEV.)
76.00	PROPOSED FG (CONTOUR)
FF=76.39	FINISHED BUILDING FLOOR ELEVATION
3876	EXISTING GROUND (CONTOUR)
◆	HIGH POINT
L.O.C.	LIMITS OF CONSTRUCTION

LEGEND

	SILT FENCE
	GRAVEL ENTRANCE
	INLET PROTECTION
	PORT-O-JONS AND TRAILER
	POSTING BOARD
	TRUCK CONC. WASHOUT AREA WITH SIGN

GENERAL CIVIL INDEX

C-100	OVERALL PROJECT
C-101	ENLARGED GRADING PLAN ATLAS
C-102	OVERALL GRADING PLAN BAIRD
C-103	ENLARGED GRADING PLAN BAIRD
C-104	OVERALL GRADING PLAN HART
C-105	ENLARGED GRADING PLAN HART
C-200	NOT USED
C-300	SECTIONS PLAN
C-400	LARGE-SCALE TRANSITIONAL SIDEWALKS ATLAS
C-401	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS BAIRD
C-402	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS HART
C-500	STANDARD DETAILS
c-600	NOT USED
C-700	NOT USED
C-800	NOT USED
C-900	DRIVEWAY ISOMETRIC
SWPPP-101	STORM WATER POLLUTION PREVENTION PLAN ATLAS
SWPPP-102	STORM WATER POLLUTION PREVENTION PLAN BAIRD
SWPPP-103	STORM WATER POLLUTION PREVENTION PLAN HART
SWPPN-104	PREVENTION NOTES ATLAS
SWPPN-105	STORM WATER POLLUTION PREVENTION NOTES BAIRD
SWPPN-106	STORM WATER POLLUTION PREVENTION NOTES HART
SWPPD-500	STORM WATER POLLUTION PREVENTION DETAILS

KEY NOTE:

1 THE CONTRACTOR SHALL NOT BE ALLOWED TO WASHOUT CONC. ONTO CITY STREETS OR INTO DRAINAGE INFRASTRUCTURE. THE CONTRACTOR SHALL HAVE A DESIGNATED CONC. WASHOUT AREA FOR THE PROJECT. INDICATE WHERE THIS WILL BE LOCATED.

NOTE:
REFER TO SOILS REPORT FOR OVER-EXCAVATION AND STRUCTURAL BACKFILL REQUIREMENTS

BUILDING CONTRACTOR'S NOTE

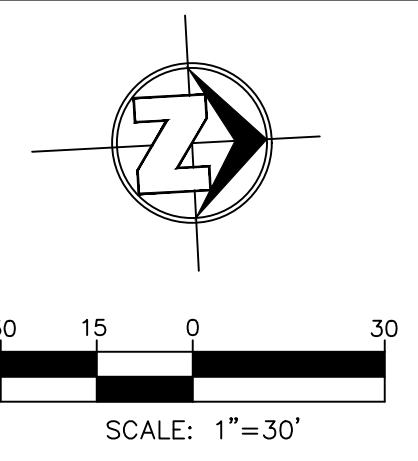
THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) STUDY FOR THIS PROJECT. THE STUDY MUST MEET ALL FEDERAL, STATE, AND LOCAL AUTHORITY GUIDELINES. THE EROSION CONTROL PLAN AND DETAILS INCLUDED IN THIS DRAWING SET HAVE BEEN INCLUDED AS A GUIDE/SUGGESTION AND MAY BE MODIFIED BY THE OWNER'S REPRESENTATIVE AND/OR THE CITY OF EL PASO ENVIRONMENTAL SPECIALIST, AS REQUIRED, TO PREVENT CONSTRUCTION DEBRIS AND RUN-OFF FROM LEAVING THE SITE AND MEDIAN. ADDITIONAL BMP MEASURES MAY BE REQUIRED, AT NO ADDITIONAL COST TO THE OWNER.

GRADING AND STABILIZATION NOTES

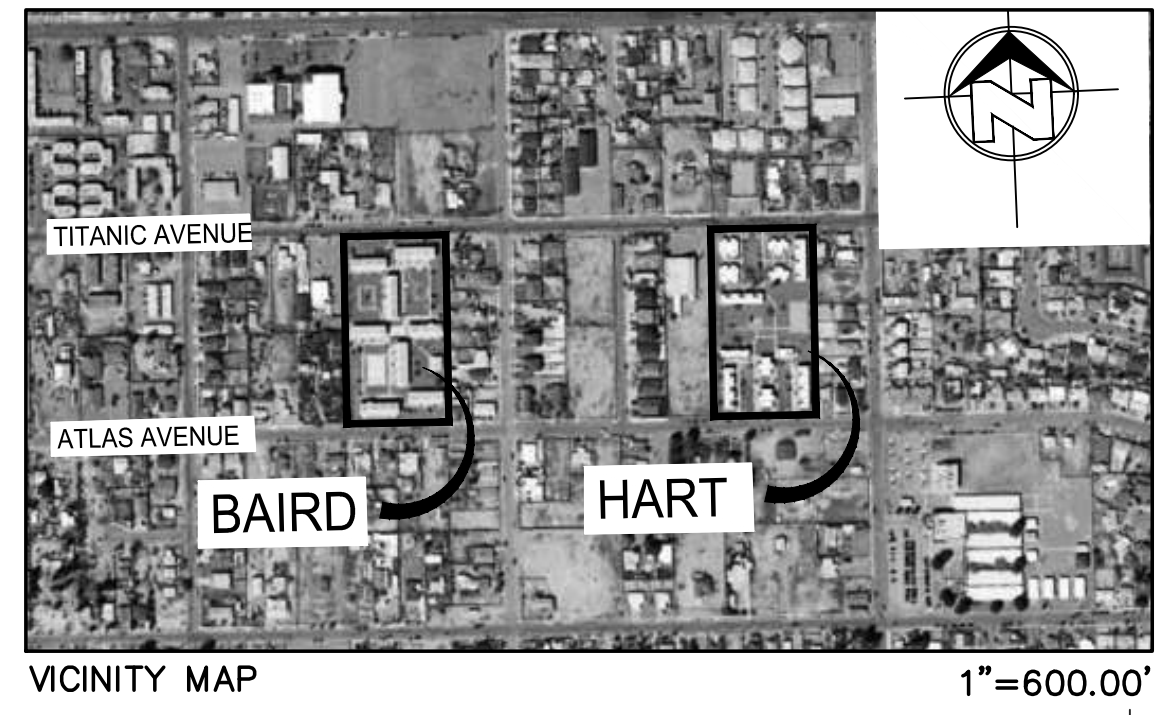
- FINAL STABILIZATION FOR THIS PROJECT WILL BE CONSTRUCTED WHEN THE COMPLETE SITE IMPROVEMENTS ARE CONSTRUCTED. (I.E. LANDSCAPING, PAVING ETC.)
- IN CASE THE CONSTRUCTION OF THE SITE IMPROVEMENTS HAS NOT BEGUN AFTER SIX MONTHS AFTER THE SITE GRADING IS COMPLETED THE STABILIZATION PROCESS OF THE SITE WILL TAKE EFFECT TO INCLUDE GROUND COVER AND WATERING ACCORDING TO CITY ORDINANCE UNTIL A BUILDING PERMIT IS ISSUED.

NOTE:

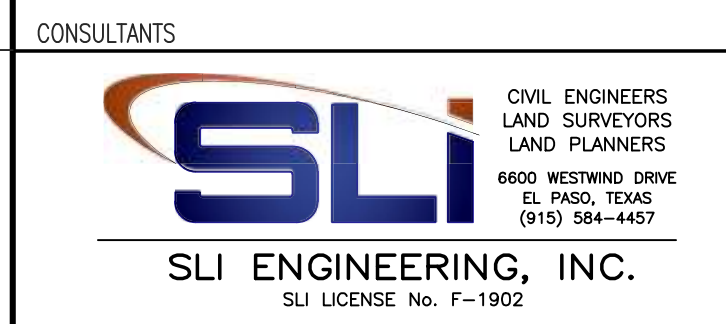
ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S. AND CITY OF EL PASO REQUIREMENTS. EXISTING INFRASTRUCTURE NOT COMPLYING SHALL BE REMOVED AND REPLACED TO MEET STANDARDS.



F:\PROJECTS\HACEP_2015\HART-BAIRD-ATLAS\FINALS\SWPPP-101.dwg 6-03-19 09:20:58 AM Fernando



4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com



MAY 28, 2019
SLI Project No. 09-19-4314

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority of the City of El Paso

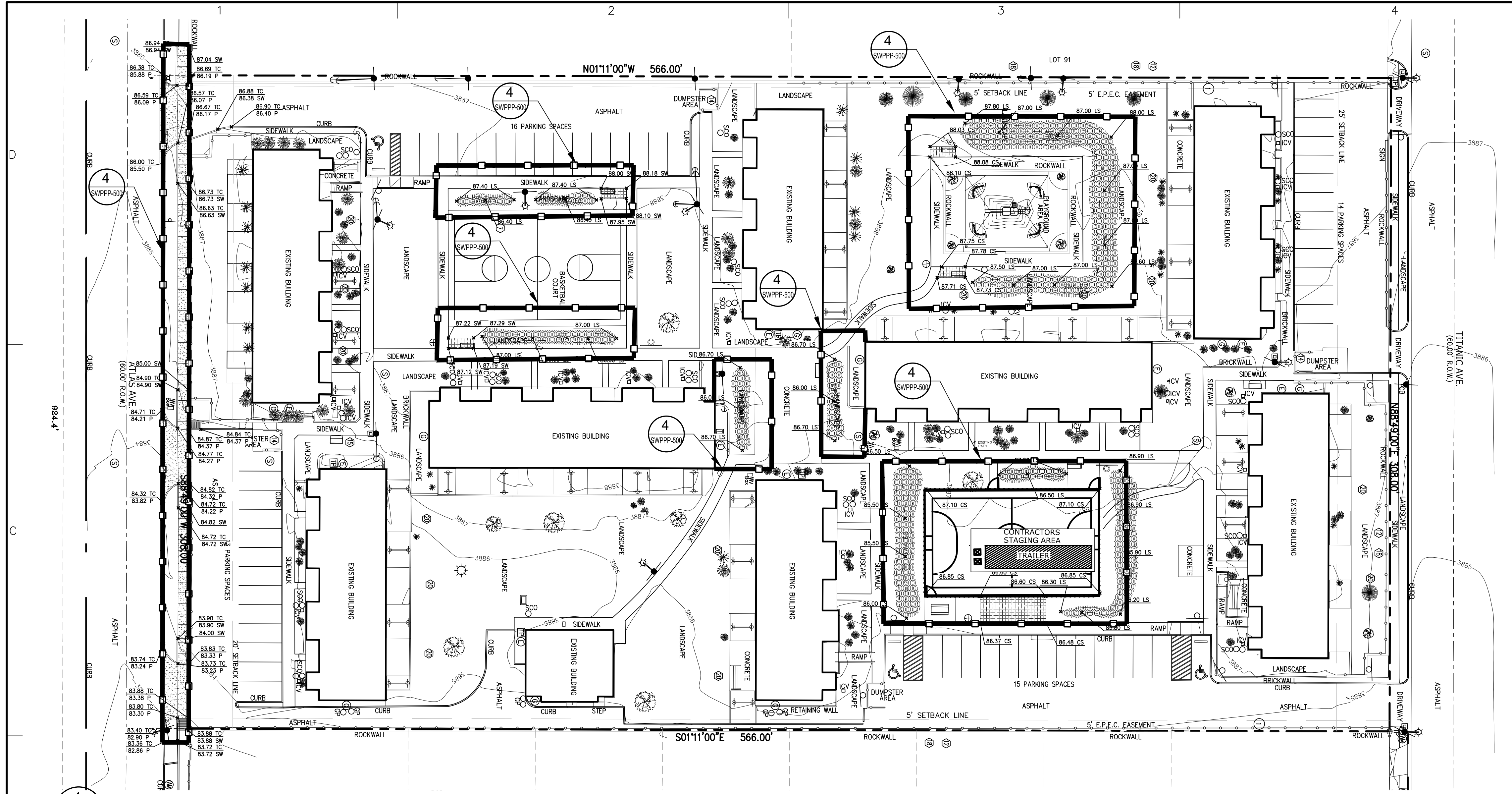
FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO:	2019048
CAD DWG FILE:	SWPPP-101.DWG
DRAWN BY:	F.E.
CHK'D BY:	F.E./G.H.
ISSUE DATE:	05/28/2019
COPYRIGHT:	SLI Engineering, Inc.
SHEET TITLE	

STORM WATER POLLUTION PREVENTION PLAN - ATLAS SWPPP-101

SHEET 13 OF 19



- NOTES FOR GRADING
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "2014 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES," (APPLICABLE ITEMS ONLY).
 - ALL FILL AREAS SHALL BE COMPACTED TO 95% DENSITY, (ASTM D-1557).
 - REFER TO THE CITY OF EL PASO GRADING ORDINANCE CHAPTER 18.44 FOR SITE GRADING SPECIFICATIONS. GRADING PERMIT MUST BE AVAILABLE AT THE JOB SITE UPON COMMENCEMENT OF WORK.
 - POSITIVE DRAINAGE SHALL BE PROVIDED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION AND GRADING. THE CONTRACTOR SHALL NOT ALLOW DEBRIS OR SEDIMENT TO SPILL ONTO THE PUBLIC STREETS OR ADJOINING PROPERTIES.
 - CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITY LINES (SHOWN OR NOT SHOWN) WITHIN THE SCOPE OF CONSTRUCTION. THE CONTRACTOR MUST NOTIFY THE RESPECTIVE AGENCY PRIOR TO MOVING ON SITE, SO THE EXISTING UTILITY LINES CAN BE LOCATED IN THE FIELD. IF ANY LINES ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN EXPENSE.
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS ON SITE AND SHALL CONTACT THE DESIGN ENGINEER AND REPORT ANY DISCREPANCIES, OMISSIONS, AND ERRORS ON PLANS PRIOR TO COMMENCING OR CONTINUING WORK.
- "CAUTION TO CONTRACTOR"**
- LOCATE AND PROTECT FROM DAMAGE ALL UTILITY LINES WITHIN THE CONSTRUCTION AREA.
 - GRADING, SWPPP, AND N.O.I. PERMITS REQUIRED BEFORE MOVING ON SITE.
 - ALL RAMP SHALL HAVE A MAX. OF 1:12 SLOPE AND ALL SIDEWALKS SHALL HAVE A MAX. OF 2% CROSS SLOPE. ALL ACCESSIBLE PARKING SPACES SHALL HAVE A MAX. OF 2% (LONGITUDINAL OR CROSS SLOPE). ALL ACCESSIBLE ROUTES SHALL HAVE A MAX. OF 5% SLOPE.
- PERMIT CLOSEOUT PROCEDURES (18.44.226)
- AFTER THE PERMITEE COMPLETES THE GRADING UNDER THE PERMIT, THE PERMIT SHALL BE CLOSED. AS PART OF THE CLOSEOUT PROCEDURE, THE APPLICANT MUST SUBMIT THE FOLLOWING TO THE CITY:
 - A STATEMENT FROM THE ENGINEER OF RECORD THAT STATES "THE GRADING OPERATION HAS BEEN SUBSTANTIALLY COMPLETED AND GENERALLY CONFORMS TO THE APPROVED SET OF PLANS." THE PERMITEE SHALL CALL THE PERMIT OFFICIAL TO ESTABLISH THE BEGINNING OF THE WARRANTY PERIOD AND TO NOTIFY THE PERMIT OFFICIAL THAT THE GSP HAS BEEN IMPLEMENTED.
 - A COPY OF THE NOTICE OF TERMINATION FILED WITH THE STATE OR DATED CONSTRUCTION SITE NOTICE, IF APPLICABLE, IN ACCORDANCE WITH CHAPTER 15.
- THE CITY WILL ISSUE A LETTER STATING GENERAL CONFORMANCE TO THE PERMIT HAS BEEN MET AND THAT THE WARRANTY PERIOD REQUIREMENTS WILL BE IN EFFECT.
(ORDINANCE NO. 17516, § 1, 3-29-2011)
- WARRANTY (18.44.090)
- ANY PERSON ISSUED A PERMIT SHALL AGREE, WARRANT AND MAINTAIN THE AREA DESCRIBED IN THE PERMIT FOR A PERIOD OF TWO YEARS AFTER THE PERMIT IS CLOSED BY THE CITY PURSUANT TO SECTION 18.44.220, OR UNTIL A BUILDING PERMIT IS ISSUED FOR THE PURPOSE OF MAINTAINING A STABILIZED SITE IN ACCORDANCE WITH THE APPROVED GSP, WHICHEVER FIRST OCCURS (THE "WARRANTY" OR "WARRANTY PERIOD"). THE CITY MAY CONDUCT INSPECTIONS OF THE PERMITTED AREA THROUGHOUT THE WARRANTY PERIOD AND REQUIRE MAINTENANCE AND CORRECTION OF THE WORK BY THE PERMIT HOLDER. FAILURE OF THE PERMIT HOLDER TO CORRECT THE WORK SHALL CONSTITUTE A FAILURE TO COMPLY WITH THE PROVISIONS OF THIS CHAPTER.
(ORDINANCE NO. 17516, § 1, 3-29-2011)

1 STORM WATER POLLUTION PREVENTION PLAN
SCALE: 1"=30'-0"

LEGEND

76.20FG	NEW FG ELEV. (GROUND)
76.20SK	NEW SIDEWALK ELEV.(CONCRETE)
76.20P	NEW FG ELEV. (PAVEMENT)
76.20G	NEW FG ELEV. (GUTTER)
76.20TC	NEW FG ELEV. (TOP OF CURB)
76.20CS	NEW FG ELEV. (CONCRETE SLAB)
76.20TW	NEW FG ELEV. (TOP OF WALL)
76.20PV	NEW FG ELEV. (TOP OF PAVERS)
76.20LS	NEW FG ELEV. (LANDSCAPE)
3576.2 X	EXISTING GROUND (SPOT ELEV.)
76.01	PROPOSED FG (CONTOUR)
FF=76.39	FINISHED BUILDING FLOOR ELEVATION
3576	EXISTING GROUND (CONTOUR)
◆	HIGH POINT
L.O.C.	LIMITS OF CONSTRUCTION

LEGEND

	SILT FENCE
	GRAVEL ENTRANCE
	INLET PROTECTION
	PORT-O-JOINS AND TRAILER
	POSTING BOARD
	TRUCK CONC. WASHOUT AREA WITH SIGN

GENERAL CIVIL INDEX

C-100	OVERALL PROJECT ENLARGED GRADING PLAN ATLAS
C-101	OVERALL GRADING PLAN BAIRD
C-102	OVERALL GRADING PLAN BAIRD
C-103	OVERALL GRADING PLAN BAIRD
C-104	OVERALL GRADING PLAN HART
C-105	OVERALL GRADING PLAN HART
C-200	NOT USED
C-300	NOT USED
C-400	NOT USED
C-401	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS BAIRD
C-402	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS HART
C-500	STANDARD DETAILS
C-600	NOT USED
C-700	NOT USED
C-800	NOT USED
C-900	NOT USED
SWPPP-101	DRIVEWAY ISOMETRIC STORM WATER POLLUTION PREVENTION PLAN ATLAS
SWPPP-102	STORM WATER POLLUTION PREVENTION PLAN BAIRD
SWPPP-103	STORM WATER POLLUTION PREVENTION PLAN HART
SWPPN-104	STORM WATER POLLUTION PREVENTION NOTES ATLAS
SWPPN-105	STORM WATER POLLUTION PREVENTION NOTES BAIRD
SWPPN-106	STORM WATER POLLUTION PREVENTION NOTES HART
SWPPD-500	STORM WATER POLLUTION PREVENTION DETAILS

KEY NOTE:

1 THE CONTRACTOR SHALL NOT BE ALLOWED TO WASHOUT CONC. ONTO CITY STREETS OR INTO DRAINAGE INFRASTRUCTURE. THE CONTRACTOR SHALL HAVE A DESIGNATED CONC. WASHOUT AREA FOR THE PROJECT. INDICATE WHERE THIS WILL BE LOCATED.

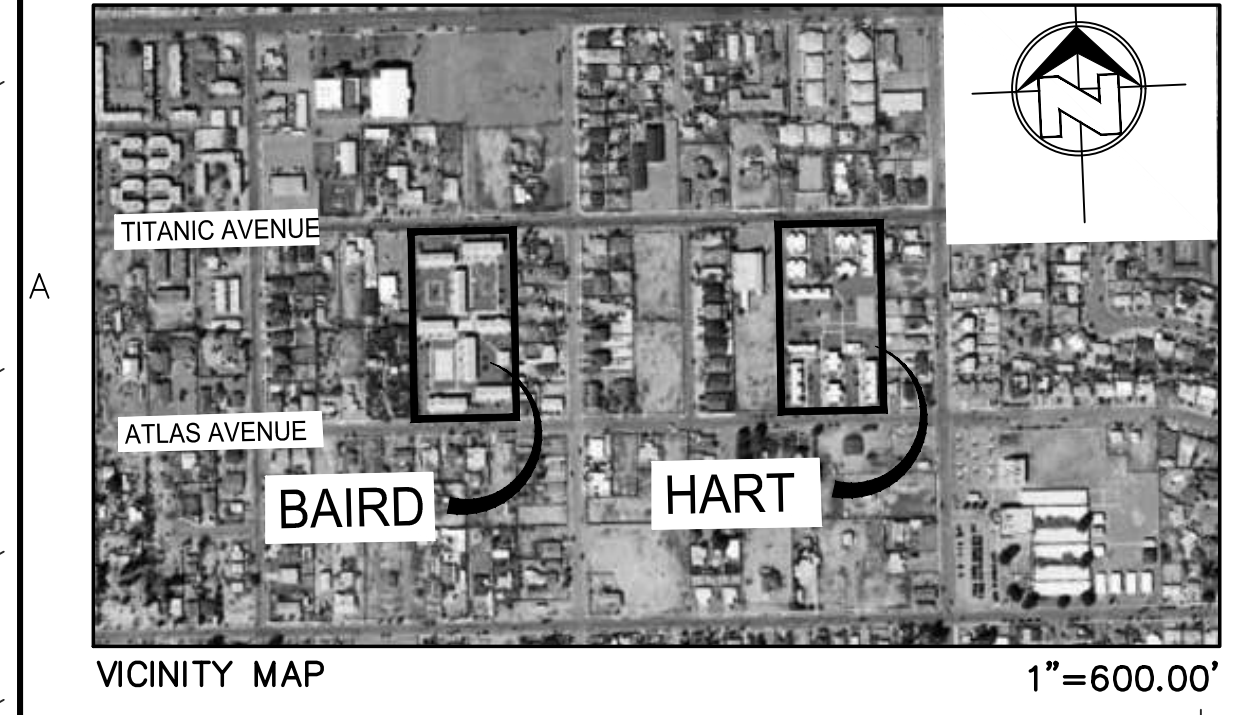
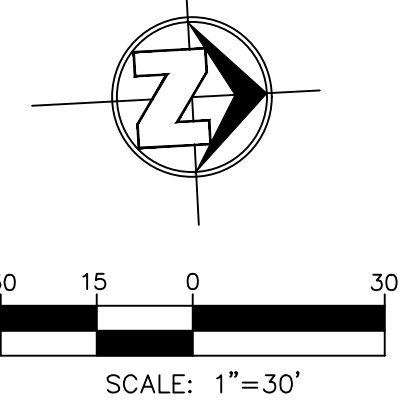
NOTE:
REFER TO SOILS REPORT FOR OVER-EXCAVATION AND STRUCTURAL BACKFILL REQUIREMENTS

BUILDING CONTRACTOR'S NOTE

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) STUDY FOR THIS PROJECT. THE STUDY MUST MEET ALL FEDERAL, STATE, AND LOCAL AUTHORITY GUIDELINES. THE EROSION CONTROL PLAN AND DETAILS INCLUDED IN THIS DRAWING SET HAVE BEEN INCLUDED AS A GUIDE/SUGGESTION AND MAY BE MODIFIED BY THE OWNER'S REPRESENTATIVE AND/OR THE CITY OF EL PASO ENVIRONMENTAL SPECIALIST, AS REQUIRED, TO PREVENT CONSTRUCTION DEBRIS AND RUN-OFF FROM LEAVING THE SITE AND MEDIAN. ADDITIONAL BMP MEASURES MAY BE REQUIRED, AT NO ADDITIONAL COST TO THE OWNER.

GRADING AND STABILIZATION NOTES

- FINAL STABILIZATION FOR THIS PROJECT WILL BE CONSTRUCTED WHEN THE COMPLETE SITE IMPROVEMENTS ARE CONSTRUCTED. (I.E. LANDSCAPING, PAVING ETC.)
- IN CASE THE CONSTRUCTION OF THE SITE IMPROVEMENTS HAS NOT BEGUN AFTER SIX MONTHS AFTER THE SITE GRADING IS COMPLETED THE STABILIZATION PROCESS OF THE SITE WILL TAKE EFFECT TO INCLUDE GROUND COVER AND WATERING ACCORDING TO CITY ORDINANCE UNTIL A BUILDING PERMIT IS ISSUED.



IMPORTANT DRAINAGE NOTE
ALL NEW IMPROVEMENTS WILL BE LOCATED OVER EXISTING DEVELOPED AREAS, NO ADDITIONAL RUNOFF WILL BE EXPECTED.

NOTE:
ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S. AND CITY OF EL PASO REQUIREMENTS. EXISTING INFRASTRUCTURE NOT COMPLYING SHALL BE REMOVED AND REPLACED TO MEET STANDARDS.



EROSION CONTROL:

- WIND EROSION CONTROL: WATERING DURING AND AFTER COMPLETION OF SITE GRADING. THE PROJECT AREA SHALL BE COMPLETELY WATERED AS NEEDED TO CONTROL WIND EROSION OR AS DIRECTED BY THE CITY ENGINEER.
- THE CONTRACTOR SHALL CLEAN UP ANY DIRT OR DEBRIS THAT IS SPILLED ON THE EXISTING PUBLIC ROADWAY AS A RESULT OF THIS CONSTRUCTION PROJECT. CLEAN UP IS TO BE DONE ON A REGULAR BASIS OR AS DIRECTED BY THE CITY ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SLOPES IN GOOD CONDITION AND PROTECTING THEM FROM EROSION UNTIL THE FINAL LANDSCAPING ELEMENTS ARE IN PLACE.

FLOOD ZONE:

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 480214 0024 B, DATED OCTOBER 15, 1982 THIS PROPERTY LIES IN FLOOD ZONE "C".

ZONE "C", AREAS OF MINIMAL FLOODING (NO SHADING).

DUE TO INHERENT INACCURACIES OF FEMA OR FLOOD INSURANCE RATE MAPS THIS SURVEYOR DOES NOT CERTIFY TO THE ACCURACY OF LOCATIONS BASED ON SUCH MAPS. THIS FLOOD STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR.

LEGAL DESCRIPTION

LOTS 86 TO 89, BLOCK 2, SUNRISE ACRES
EL PASO, EL PASO COUNTY, TEXAS.
CONTAINING 143,345 Sq. Ft. (3.2907 Acres) +/-

BENCHMARK:

EXISTING CITY MONUMENT LYING AT THE CENTERLINE INTERSECTION OF TITANIC AVE. AND PANDORA ST.
ELEVATION: 3574.01' CITY DATUM

IMPORTANT CONSTRUCTION NOTE

VIBRATORY ROLLERS WILL BE NOT ALLOWED DURING CONSTRUCTION.



4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com



MAY 28, 2019
SLI Project No. 09-19-4314

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority of the City of El Paso

FINAL FOR CONSTRUCTION

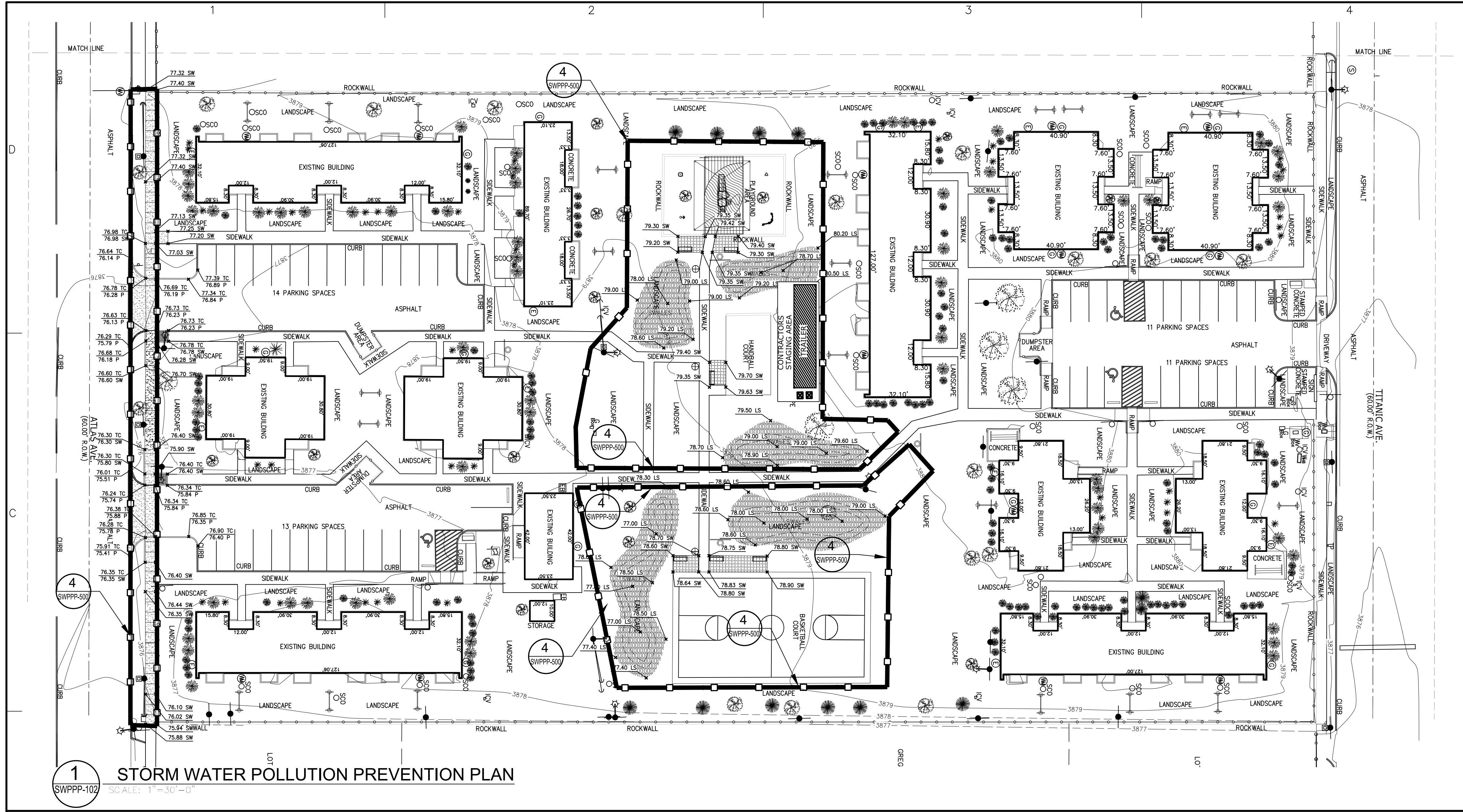
REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
CAD DWG FILE: SWPPP-101.DWG
DRAWN BY: F.E.
CHK'D BY: F.E./G.H.
ISSUE DATE: 05/28/2019
COPYRIGHT: SLI Engineering, Inc.

STORM WATER POLLUTION PREVENTION PLAN - BAIRD

SWPPP-102

SHEET 14 OF 19



NOTES FOR GRADING

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "2014 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES," (APPLICABLE ITEMS ONLY).
- ALL FILL AREAS SHALL BE COMPACTED TO 95% DENSITY, (ASTM D-1557).
- REFER TO THE CITY OF EL PASO GRADING ORDINANCE CHAPTER 18.44 FOR SITE GRADING SPECIFICATIONS. GRADING PERMIT MUST BE AVAILABLE AT THE JOB SITE UPON COMMENCEMENT OF WORK.
- POSITIVE DRAINAGE SHALL BE PROVIDED BY THE CONTRACTOR DURING ALL PHASES OF CONSTRUCTION AND GRADING. THE CONTRACTOR SHALL NOT ALLOW DEBRIS OR SEDIMENT TO SPILL ONTO THE PUBLIC STREETS OR ADJOINING PROPERTIES.
- CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF EXISTING UTILITY LINES (SHOWN OR NOT SHOWN) WITHIN THE SCOPE OF CONSTRUCTION. THE CONTRACTOR MUST NOTIFY THE RESPECTIVE AGENCY PRIOR TO MOVING ON SITE, SO THE EXISTING UTILITY LINES CAN BE LOCATED IN THE FIELD. IF ANY LINES ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THEM AT HIS OWN EXPENSE.
- THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS ON SITE AND SHALL CONTACT THE DESIGN ENGINEER AND REPORT ANY DISCREPANCIES, OMISSIONS, AND ERRORS ON PLANS PRIOR TO COMMENCING OR CONTINUING WORK.

"CAUTION TO CONTRACTOR"

- LOCATE AND PROTECT FROM DAMAGE ALL UTILITY LINES WITHIN THE CONSTRUCTION AREA.
- GRADING, SWPPP, AND N.O.I. PERMITS REQUIRED BEFORE MOVING ON SITE.
- ALL RAMP SHALL HAVE A MAX. OF 1:12 SLOPE AND ALL SIDEWALKS SHALL HAVE A MAX. OF 2% CROSS SLOPE. ALL ACCESSIBLE PARKING SPACES SHALL HAVE A MAX. OF 2% (LONGITUDINAL OR CROSS SLOPE). ALL ACCESSIBLE ROUTES SHALL HAVE A MAX. OF 5% SLOPE.
- AFTER THE PERMITEE COMPLETES THE GRADING UNDER THE PERMIT, THE PERMIT SHALL BE CLOSED. AS PART OF THE CLOSURE PROCEDURE, THE APPLICANT MUST SUBMIT THE FOLLOWING TO THE CITY:
 - A STATEMENT FROM THE ENGINEER OF RECORD THAT STATES "THE GRADING OPERATION HAS BEEN SUBSTANTIALLY COMPLETED AND GENERALLY CONFORMS TO THE APPROVED SET OF PLANS." THE PERMITEE SHALL CALL THE PERMIT OFFICIAL TO ESTABLISH THE BEGINNING OF THE WARRANTY PERIOD AND TO NOTIFY THE PERMIT OFFICIAL THAT THE GSP HAS BEEN IMPLEMENTED.
 - A COPY OF THE NOTICE OF TERMINATION FILED WITH THE STATE OR DATED CONSTRUCTION SITE NOTICE, IF APPLICABLE, IN ACCORDANCE WITH CHAPTER 15.

THE CITY WILL ISSUE A LETTER STATING GENERAL CONFORMANCE TO THE PERMIT HAS BEEN MET AND THAT THE WARRANTY PERIOD REQUIREMENTS WILL BE IN EFFECT. (ORDINANCE NO. 17516, § 1, 3-29-2011)

—WARRANTY (18.44.090)—

ANY PERSON ISSUED A PERMIT SHALL AGREE, WARRANT AND MAINTAIN THE AREA DESCRIBED IN THE PERMIT FOR A PERIOD OF TWO YEARS AFTER THE PERMIT IS CLOSED BY THE CITY PURSUANT TO SECTION 18.44.220, OR UNTIL A BUILDING PERMIT IS ISSUED FOR THE PURPOSE OF MAINTAINING A STABILIZED SITE IN ACCORDANCE WITH THE APPROVED GSP, WHICHEVER FIRST OCCURS (THE "WARRANTY" OR "WARRANTY PERIOD"). THE CITY MAY CONDUCT INSPECTIONS OF THE PERMITTED AREA THROUGHOUT THE WARRANTY PERIOD AND REQUIRE MAINTENANCE AND CORRECTION OF THE WORK BY THE PERMIT HOLDER. FAILURE OF THE PERMIT HOLDER TO CORRECT THE WORK SHALL CONSTITUTE A FAILURE TO COMPLY WITH THE PROVISIONS OF THIS CHAPTER. (ORDINANCE NO. 17516, § 1, 3-29-2011)

LEGEND

76.20FG	NEW FG ELEV. (GROUND)
76.20SK	NEW SIDEWALK ELEV.(CONCRETE)
76.20P	NEW FG ELEV. (PAVEMENT)
76.20G	NEW FG ELEV. (GUTTER)
76.20TC	NEW FG ELEV. (TOP OF CURB)
76.20CS	NEW FG ELEV. (CONCRETE SLAB)
76.20TW	NEW FG ELEV. (TOP OF WALL)
76.20PV	NEW FG ELEV. (TOP OF PAVERS)
76.20LS	NEW FG ELEV. (LANDSCAPE)
3876.2 X	EXISTING GROUND (SPOT ELEV.)
76.01	PROPOSED FG (CONTOUR)
FF=76.39	FINISHED BUILDING FLOOR ELEVATION
3876	EXISTING GROUND (CONTOUR)
◆	HIGH POINT
L.O.C.	LIMITS OF CONSTRUCTION

LEGEND

	SILT FENCE
	GRAVEL ENTRANCE
	INLET PROTECTION
	PORT-O-JONS AND TRAILER
	POSTING BOARD
	TRUCK CONC. WASHOUT AREA WITH SIGN

GENERAL CIVIL INDEX

C-100	OVERALL PROJECT
C-101	ENLARGED GRADING PLAN ATLAS
C-102	OVERALL GRADING PLAN BAIRD
C-103	ENLARGED GRADING PLAN BAIRD
C-104	OVERALL GRADING PLAN HART
C-105	ENLARGED GRADING PLAN HART
C-200	NOT USED
C-300	SECTIONS PLAN
C-400	LARGE-SCALE TRANSITIONAL SIDEWALKS ATLAS
C-401	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS BAIRD
C-402	LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS HART
C-500	STANDARD DETAILS
C-600	NOT USED
C-700	NOT USED
C-800	NOT USED
C-900	NOT USED
SWPPP-101	STORM WATER POLLUTION PREVENTION PLAN ATLAS
SWPPP-102	STORM WATER POLLUTION PREVENTION PLAN BAIRD
SWPPP-103	STORM WATER POLLUTION PREVENTION PLAN HART
SWPPN-104	STORM WATER POLLUTION PREVENTION NOTES ATLAS
SWPPN-105	STORM WATER POLLUTION PREVENTION NOTES BAIRD
SWPPN-106	STORM WATER POLLUTION PREVENTION NOTES HART
SWPPD-500	STORM WATER POLLUTION PREVENTION DETAILS

KEY NOTE:

1 THE CONTRACTOR SHALL NOT BE ALLOWED TO WASHOUT CONC. ONTO CITY STREETS OR INTO DRAINAGE INFRASTRUCTURE. THE CONTRACTOR SHALL HAVE A DESIGNATED CONC. WASHOUT AREA FOR THE PROJECT. INDICATE WHERE THIS WILL BE LOCATED.

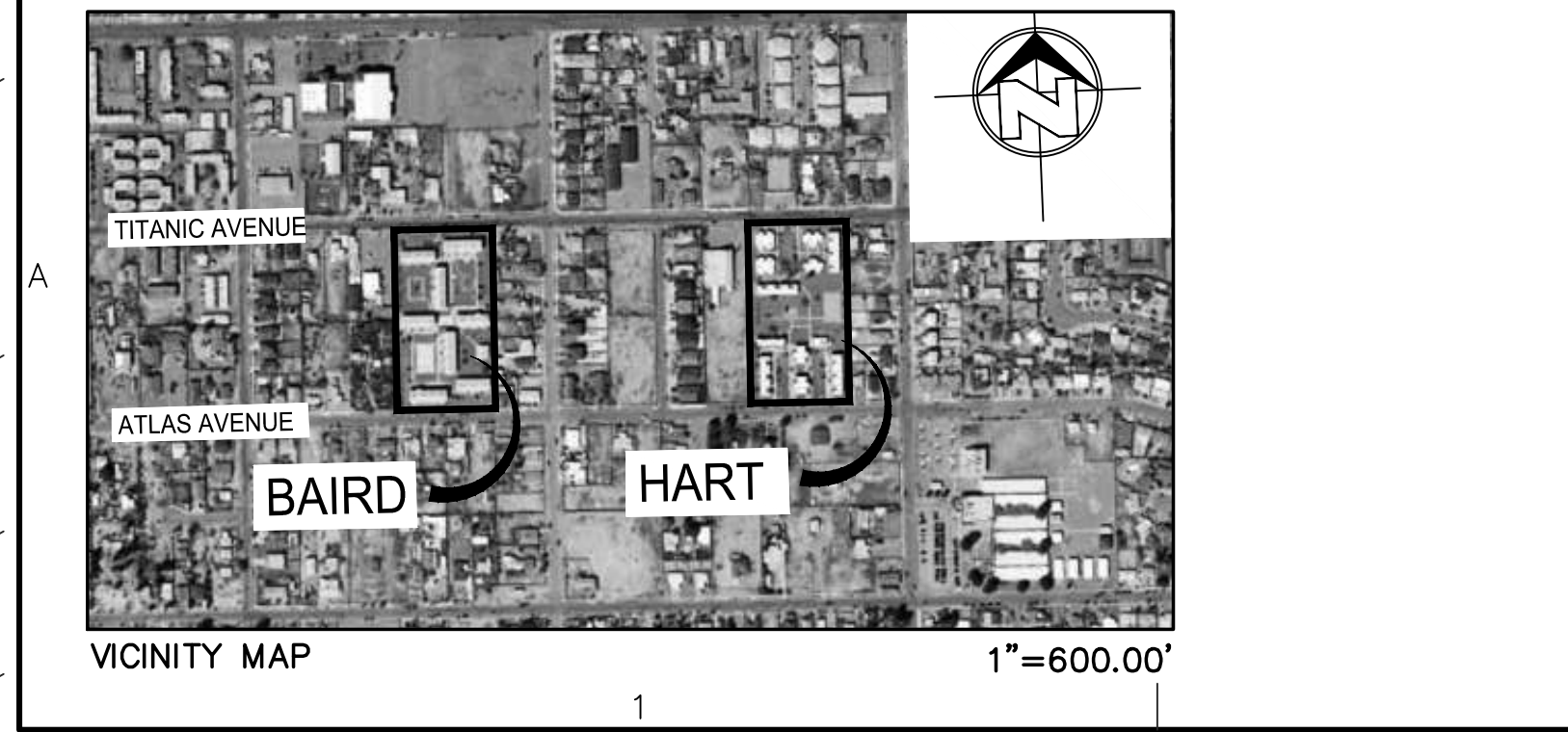
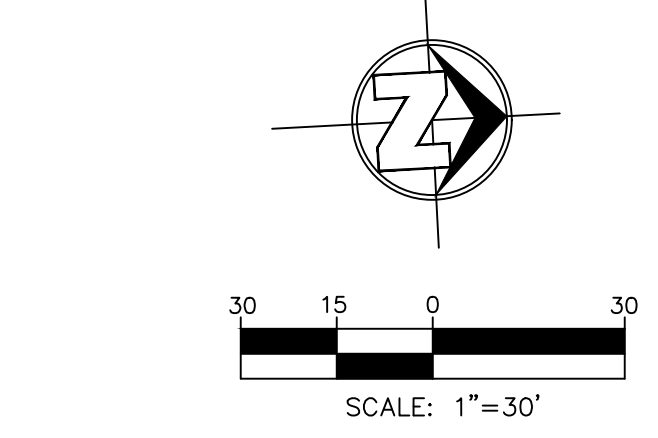
NOTE:
REFER TO SOILS REPORT FOR OVER-EXCAVATION AND STRUCTURAL BACKFILL REQUIREMENTS

BUILDING CONTRACTOR'S NOTE

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) STUDY FOR THIS PROJECT. THE STUDY MUST MEET ALL FEDERAL, STATE, AND LOCAL AUTHORITY GUIDELINES. THE EROSION CONTROL PLAN AND DETAILS INCLUDED IN THIS DRAWING SET HAVE BEEN INCLUDED AS A GUIDE/SUGGESTION AND MAY BE MODIFIED BY THE OWNER'S REPRESENTATIVE AND/OR THE CITY OF EL PASO ENVIRONMENTAL SPECIALIST, AS REQUIRED, TO PREVENT CONSTRUCTION DEBRIS AND RUN-OFF FROM LEAVING THE SITE AND MEDIAN. ADDITIONAL BMP MEASURES MAY BE REQUIRED, AT NO ADDITIONAL COST TO THE OWNER.

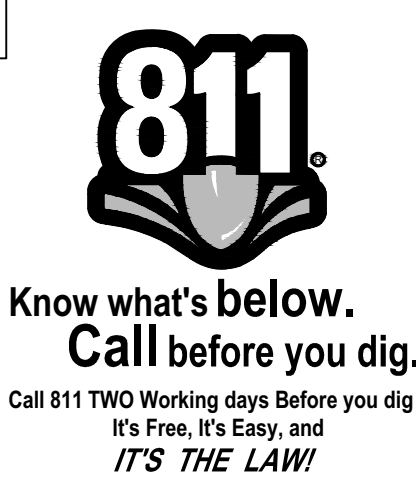
GRADING AND STABILIZATION NOTES

- FINAL STABILIZATION FOR THIS PROJECT WILL BE CONSTRUCTED WHEN THE COMPLETE SITE IMPROVEMENTS ARE CONSTRUCTED. (I.E. LANDSCAPING, PAVING ETC.)
- IN CASE THE CONSTRUCTION OF THE SITE IMPROVEMENTS HAS NOT BEGUN AFTER SIX MONTHS AFTER THE SITE GRADING IS COMPLETED THE STABILIZATION PROCESS OF THE SITE WILL TAKE EFFECT TO INCLUDE GROUND COVER AND WATERING ACCORDING TO CITY ORDINANCE UNTIL A BUILDING PERMIT IS ISSUED.



IMPORTANT DRAINAGE NOTE
ALL NEW IMPROVEMENTS WILL BE LOCATED OVER EXISTING DEVELOPED AREAS, NO ADDITIONAL RUNOFF WILL BE EXPECTED.

NOTE:
ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S. AND CITY OF EL PASO REQUIREMENTS. EXISTING INFRASTRUCTURE NOT COMPLYING SHALL BE REMOVED AND REPLACED TO MEET STANDARDS.



EROSION CONTROL:

- WIND EROSION CONTROL: WATERING DURING AND AFTER COMPLETION OF SITE GRADING. THE PROJECT AREA SHALL BE COMPLETELY WATERED AS NEEDED TO CONTROL WIND EROSION OR AS DIRECTED BY THE CITY ENGINEER.
- THE CONTRACTOR SHALL CLEAN UP ANY DIRT OR DEBRIS THAT IS SPILLED ON THE EXISTING PUBLIC ROADWAY AS A RESULT OF THIS CONSTRUCTION PROJECT. CLEAN UP IS TO BE DONE ON A REGULAR BASIS OR AS DIRECTED BY THE CITY ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SLOPES IN GOOD CONDITION AND PROTECTING THEM FROM EROSION UNTIL THE FINAL LANDSCAPING ELEMENTS ARE IN PLACE.

FLOOD ZONE:

ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 480214 0024 B, DATED OCTOBER 15, 1982 THIS PROPERTY LIES IN FLOOD ZONE "C".

ZONE "C", AREAS OF MINIMAL FLOODING (NO SHADING).

DUE TO INHERENT INACCURACIES OF FEMA OR FLOOD INSURANCE RATE MAPS THIS SURVEYOR DOES NOT CERTIFY TO THE ACCURACY OF LOCATIONS BASED ON SUCH MAPS. THIS FLOOD STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR.

LEGAL DESCRIPTION

LOTS 72 TO 75, BLOCK 2, SUNRISE ACRES
EL PASO, EL PASO COUNTY, TEXAS.
CONTAINING 175,213 Sq. Ft. (4.0223 Acres) +/-

BENCHMARK:

EXISTING CITY MONUMENT LYING AT THE CENTERLINE INTERSECTION OF TITANIC AVE. AND PANDORA ST.
ELEVATION: 3874.01' CITY DATUM

IMPORTANT CONSTRUCTION NOTE

VIBRATORY ROLLERS WILL BE NOT ALLOWED DURING CONSTRUCTION.



4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com



MAY 28, 2019
SLI Project No. 09-19-4314

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
CAD DWG FILE: SWPPP-101.DWG
DRAWN BY: F.E.
CHK'D BY: F.E./G.H.
ISSUE DATE: 05/28/2019
COPYRIGHT: SLI Engineering, Inc.
SHEET TITLE

STORM WATER POLLUTION PREVENTION PLAN - HART

SWPPP-103

SHEET 15 OF 19

SWPPP INSPECTION REPORT

PROJECT NAME:
CONTRACTOR:
DATE OF INSPECTION:
INSPECTION CONDUCTED BY:
QUALIFICATIONS OF THE INSPECTOR:
REPORT PREPARED BY:
7 DAY INSPECTION
14 DAY INSPECTION
AFTER-RAIN EVENT INSPECTION

SITE DESCRIPTION

Table with 2 columns: Field Name, Value. Fields include PROJECT TITLE, OWNER AND ADDRESS, DESCRIPTION, and SITE AREA.

Table with 5 columns: INSPECTION ISSUE, Y, N, N/A, COMMENTS. Contains various inspection questions regarding permits, BMPs, and site conditions.

NOTE: ALL ITEMS OF NON-COMPLIANCE SHALL BE REPAIRED/INSTALLED WITHIN SEVEN (7) CALENDAR DAYS OF INSPECTION...

NOTE INCIDENTS OF NON-COMPLIANCE:

I CERTIFY UNDER PENALTY OF LAW THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION...

SIGNATURE:
DATE:
PRINTED NAME:
TITLE:

INSPECTIONS

- A. GENERAL
1. EACH CONTRACTOR WILL DESIGNATE A QUALIFIED PERSON OR PERSONS TO PERFORM THE FOLLOWING INSPECTIONS:

EROSION AND SEDIMENT CONTROL

SOIL STABILIZATION PRACTICES

- TEMPORARY SEEDING
PERMANENT PLANTING, SODDING, OR SEEDING
MULCHING
SOIL RETENTION BLANKET
BUFFER ZONES
PRESERVATION OF NATURAL RESOURCES
OTHER: FINAL LANDSCAPING COVER

STRUCTURAL PRACTICES

- SILT FENCES
EARTH BERMS
DIVERSION, INTERCEPTOR OR PERIMETER DIKES
DIVERSION, INTERCEPTOR OR PERIMETER SWALES
CONCRETE FLUMES
ROCK BEDDING AT CONSTRUCTION EXIT
TIMBER MATTING AT CONSTRUCTION EXIT
CHANNEL LINERS
SEDIMENT TRAPS
RETENTION POND
STORM INLET SEDIMENT TRAP
STONE OUTLET STRUCTURES
CURBS AND GUTTERS
STORM DRAINS
VELOCITY CONTROL DEVICES
ROCK LINE SWALES
OTHER: FINAL LANDSCAPING

NARRATIVE: SEQUENCE OF CONSTRUCTION (STORM WATER MANAGEMENT) ACTIVITIES

- 1. SUBMIT NOTICE OF INTENT, SECURE SITE AND INSTALL TEMPORARY EROSION AND SEDIMENT CONTROLS
2. EXECUTE GRADING.
3. COMPLETE SITE GRADING.
4. EXCAVATION FOR UTILITIES.
5. COMPLETION OF SITE IMPROVEMENTS.
6. WHEN ALL CONSTRUCTION ACTIVITIES RELATED TO THE DEVELOPMENT OF THE SITE ARE COMPLETED...
7. APPROXIMATE SCHEDULE OF MAJOR ACTIVITIES:

MATERIALS OR SUBSTANCES EXPECTED TO BE PRESENT ON SITE DURING CONSTRUCTION

- CONCRETE
DETERGENTS
PAINTS (ENAMEL AND LATEX)
METAL STUDS
TAR
PETROLEUM BASED PRODUCTS
CLEANING SOLVENTS
WOOD
ROOFING SHINGLES
OILS
FUELS
WATER WASHINGS
GLUES, ADHESIVES
ROOFING SHINGLES
CURING COMPOUNDS

GENERAL CONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT...

SIGNED:
COMPANY:
NAME:
ADDRESS:
TITLE:
TELEPHONE:
DATE:

SUB - CONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I WILL COORDINATE EITHER THROUGH THE GENERAL CONTRACTOR, OWNER, OR DIRECTLY, WITH THE CONTRACTOR(S) AND/OR SUBCONTRACTOR(S) IDENTIFIED IN THE POLLUTION PREVENTION PLAN...

SIGNED:
COMPANY:
NAME:
ADDRESS:
TITLE:
TELEPHONE:
DATE:

BEST MANAGEMENT PRACTICES

- 1. STRUCTURAL MEASURES SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT IN EFFECTIVE OPERATING CONDITION.
2. DOCUMENTATION OF MAINTENANCE ACTIVITIES INCLUDING FREQUENCY, LOT DESIGNATION, INSPECTION OF STRUCTURAL CONTROLS...
3. CONSTRUCTION SITE NOTICE WILL BE MAINTAINED ON SITE.
4. COPY OF SWPPP SHALL BE KEPT ON SITE.
5. PERIMETER MUST RETAIN THE SWPPS NOI AND INSPECTION LOG FOR A MINIMUM OF 3 YEARS FROM THE TERMINATION AND FINAL STABILIZATION OF PROJECT.

BEST MANAGEMENT PRACTICES CONTROLS

- I WASTE MATERIALS: ALL WASTE MATERIALS, INCLUDING CONSTRUCTION DEBRIS, SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER.
II HAZARDOUS WASTE: AT A MINIMUM ANY PRODUCTS IN THE FOLLOWING CATEGORIES SHALL BE CONSIDERED HAZARDOUS: PAINT, ACIDS FOR CLEANING MASONRY SURFACES...

- III SANITARY WASTE: ALL SANITARY WASTE SHALL BE COLLECTED FROM THE CONSTRUCTION PORTABLE UNITS AS NECESSARY OR AS REQUIRED, CHAPTER 18.08 (BUILDING CODE) BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR.
IV SPILL PREVENTION: THE FOLLOWING PRACTICES SHALL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURES OF MATERIALS TO STORM WATER RUNOFF.

- V GOOD HOUSEKEEPING:
A. STORE ONLY ENOUGH PRODUCTS REQUIRED TO DO THE JOB.
B. NEATLY STORE MATERIALS ON-SITE IN AN ORDERLY MANNER.
C. KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER.
D. DO NOT MIX SUBSTANCES WITH ONE ANOTHER, UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER.

- E. USE ENTIRE CONTENTS OF A PRODUCT BEFORE DISPOSING THE CONTAINER.
F. FOLLOW MANUFACTURE'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL.

- VI HAZARDOUS PRODUCTS: PRACTICES TO REDUCE RISKS:
A. KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER IF AT ALL POSSIBLE.
B. RETAIN ORIGINAL LABELS, PRODUCT INFORMATION AND MATERIAL SAFETY DATA SHEETS (MSDS).

- C. DISPOSE SURPLUS PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS.
VII PETROLEUM PRODUCTS: ALL ON-SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE...

- VIII SPILL CONTROL PRACTICES:
A. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES.
B. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREA ON-SITE.

- C. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
D. SPILL AREA SHALL BE WELL VENTILATED AND APPROPRIATE CLOTHING WILL BE WORN.
E. ANY SPILL SHALL BE REPORTED TO THE APPROPRIATE GOVERNMENTAL AGENCY.
F. MEASURES SHALL BE TAKEN TO PREVENT A SPILL FROM REOCCURRING.

- IX MAINTENANCE AND INSPECTION PROCEDURES: ALL POLLUTION PREVENTION MEASURES SHALL BE INSPECTED AT LEAST ONCE A MONTH OR WITHIN 24-HOURS PRIOR TO ANTICIPATED STORM EVENT AND FOLLOWING A STORM EVENT OF 0.50 INCHES OR MORE.
X REMARKS: DISPOSAL AREAS, STOCKPILES, AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT...

- HAUL ROADS SHALL BE DAMPENED FOR DUST CONTROL
LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPAILIN.
EXCESS DIRT ON ROADS SHALL BE REMOVED IMMEDIATELY.
STABILIZED CONSTRUCTION ENTRANCE.

- OTHER:
GENERAL CIVIL INDEX
C-100 OVERALL PROJECT
C-101 ENLARGED GRADING PLAN ATLAS
C-102 OVERALL GRADING PLAN BAIRD
C-103 ENLARGED GRADING PLAN BAIRD
C-104 OVERALL GRADING PLAN HART
C-105 ENLARGED GRADING PLAN HART
C-200 NOT USED
C-300 SECTIONS PLAN
C-400 LARGE-SCALE TRANSITIONAL SIDEWALKS ATLAS
C-401 LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS BAIRD
C-402 LARGE-SCALE TRANSITIONAL SIDEWALKS / DRIVEWAYS HART
C-500 STANDARD DETAILS
C-600 NOT USED
C-700 NOT USED
C-800 NOT USED
C-900 DRIVEWAY ISOMETRIC
SWPPP-101 STORM WATER POLLUTION PREVENTION PLAN ATLAS
SWPPP-102 STORM WATER POLLUTION PREVENTION PLAN BAIRD
SWPPP-103 STORM WATER POLLUTION PREVENTION PLAN HART
SWPPN-104 STORM WATER POLLUTION PREVENTION NOTES ATLAS
SWPPN-105 STORM WATER POLLUTION PREVENTION NOTES BAIRD
SWPPN-106 STORM WATER POLLUTION PREVENTION NOTES HART
SWPPD-500 STORM WATER POLLUTION PREVENTION DETAILS

NOTE:

ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S. AND CITY OF EL PASO REQUIREMENTS...



SITES SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800

E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



MAY 28, 2019
SLI Project No. 09-19-4314

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority of the City of El Paso

FINAL FOR CONSTRUCTION

Table with 3 columns: REVISIONS, MARK, DATE, DESCRIPTION

PROJECT NO: 2019048
CAD DWG FILE: SWPPP-104.DWG
DRAWN BY: F.E.
CHK'D BY: F.E. /G.H.
ISSUE DATE: 05/28/2019
COPYRIGHT: SLI Engineering, Inc.

SHEET TITLE

STORM WATER POLLUTION PREVENTION NOTES - BAIRD

SWPPN-105

SHEET 17 OF 19



Know what's below. Call before you dig. It's Free, It's Easy, and IT'S THE LAW!

SWPPP INSPECTION REPORT

PROJECT NAME:
CONTRACTOR:
DATE OF INSPECTION:
INSPECTION CONDUCTED BY:
QUALIFICATIONS OF THE INSPECTOR:
REPORT PREPARED BY:
7 DAY INSPECTION
14 DAY INSPECTION
AFTER-RAIN EVENT INSPECTION

SITE DESCRIPTION

Table with 2 columns: Field Name, Value. Fields include PROJECT TITLE, OWNER AND ADDRESS, DESCRIPTION, SITE AREA.

Table with 5 columns: INSPECTION ISSUE, Y, N, N/A, COMMENTS. Contains various inspection questions and their status.

NOTE: ALL ITEMS OF NON-COMPLIANCE SHALL BE REPAIRED/INSTALLED WITHIN SEVEN (7) CALENDAR DAYS OF INSPECTION...

NOTE INCIDENTS OF NON-COMPLIANCE:

I CERTIFY UNDER PENALTY OF LAW THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ENSURE THAT QUALIFIED PERSONNEL PROPERTY GATHERED AND EVALUATED THE INFORMATION SUBMITTED...

SIGNATURE:
DATE:
PRINTED NAME:
TITLE:

INSPECTIONS

- A. GENERAL
1. EACH CONTRACTOR WILL DESIGNATE A QUALIFIED PERSON OR PERSONS TO PERFORM THE FOLLOWING INSPECTIONS:
a. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION WILL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS CONTAMINATING THE AREA.

EROSION AND SEDIMENT CONTROL

SOIL STABILIZATION PRACTICES

- TEMPORARY SEEDING
PERMANENT PLANTING, SODDING, OR SEEDING
MULCHING
SOIL RETENTION BLANKET
BUFFER ZONES
PRESERVATION OF NATURAL RESOURCES
OTHER: FINAL LANDSCAPING COVER

STRUCTURAL PRACTICES

- SILT FENCES
EARTH BERMS
DIVERSION, INTERCEPTOR OR PERIMETER DIKES
DIVERSION, INTERCEPTOR OR PERIMETER SWALES
DIVERSION DIKES AND SWALE COMBINATIONS
CONCRETE FLUMES
ROCK BEDDING AT CONSTRUCTION EXIT
TIMBER MATTING AT CONSTRUCTION EXIT
CHANNEL LINERS
SEDIMENT TRAPS
RETENTION POND
STORM INLET SEDIMENT TRAP
STONE OUTLET STRUCTURES
CURBS AND GUTTERS
STORM DRAINS
VELOCITY CONTROL DEVICES
ROCK LINE SWALES
OTHER: FINAL LANDSCAPING

NARRATIVE: SEQUENCE OF CONSTRUCTION (STORM WATER MANAGEMENT) ACTIVITIES

- 1. SUBMIT NOTICE OF INTENT, SECURE SITE AND INSTALL TEMPORARY EROSION AND SEDIMENT CONTROLS (e.g. SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE, etc.)
2. EXECUTE GRADING.
3. COMPLETE SITE GRADING.
4. EXCAVATION FOR UTILITIES.
5. COMPLETION OF SITE IMPROVEMENTS.
6. WHEN ALL CONSTRUCTION ACTIVITIES RELATED TO THE DEVELOPMENT OF THE SITE ARE COMPLETED, REMOVE TEMPORARY CONTROLS MENTIONED IN NOTE NO.1 ABOVE, AND THEN SUBMIT NOTICE OF TERMINATION FORM.
7. APPROXIMATE SCHEDULE OF MAJOR ACTIVITIES:
SITE GRADING = 201 THROUGH 201
TERMINATION OF GRADING TO END OF PROJECT = 201 THROUGH 201

MATERIALS OR SUBSTANCES EXPECTED TO BE PRESENT ON SITE DURING CONSTRUCTION

- CONCRETE
DETERGENTS
PAINTS (ENAMEL AND LATEX)
METAL STUDS
TAR
PETROLEUM BASED PRODUCTS
CLEANING SOLVENTS
WOOD
ROOFING SHINGLES
OILS
FUELS
WATER WASHINGS
GLUES, ADHESIVES
ROOFING SHINGLES
CURING COMPOUNDS
(NO ASBESTOS ON SITE)

GENERAL CONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT THAT AUTHORIZES STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

SIGNED:
COMPANY:
NAME:
ADDRESS:
TITLE:
TELEPHONE:
DATE:

SUB - CONTRACTOR CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I WILL COORDINATE EITHER THROUGH THE GENERAL CONTRACTOR, OWNER, OR DIRECTLY, WITH THE CONTRACTOR(S) AND/OR SUBCONTRACTOR(S) IDENTIFIED IN THE POLLUTION PREVENTION PLAN, HAVING RESPONSIBILITY FOR IMPLEMENTING STORM WATER CONTROL MEASURES TO MINIMIZE ANY IMPACT MY ACTIONS MAY HAVE ON THE EFFECTIVENESS OF THESE STORM WATER CONTROLS MEASURES.

SIGNED:
COMPANY:
NAME:
ADDRESS:
TITLE:
TELEPHONE:
DATE:

BEST MANAGEMENT PRACTICES

- 1. STRUCTURAL MEASURES SHALL BE MAINTAINED THROUGHOUT THE LIFE OF THE PROJECT IN EFFECTIVE OPERATING CONDITION.
2. DOCUMENTATION OF MAINTENANCE ACTIVITIES INCLUDING FREQUENCY, LOT DESIGNATION, INSPECTION OF STRUCTURAL CONTROLS, MAT'L STORAGE AREAS VEHICLES INTRANCE AND EXITS: ACTIONS TAKEN AND INSPECTORS NAME.
3. CONSTRUCTION SITE NOTICE WILL BE MAINTAINED ON SITE.
4. COPY OF SWPPP SHALL BE KEPT ON SITE.
5. PERIMETER MUST RETAIN THE SWPPS NOI AND INSPECTION LOG FOR A MINIMUM OF 3 YEARS FROM THE TERMINATION AND FINAL STABILIZATION OF PROJECT.

BEST MANAGEMENT PRACTICES CONTROLS

I WASTE MATERIALS:

ALL WASTE MATERIALS, INCLUDING CONSTRUCTION DEBRIS, SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. NO CONSTRUCTION WASTE MATERIAL SHALL BE BURIED ON SITE. THE TRANSIT DUMPSTER SHALL COMPLY WITH ORDINANCE 18.52.010 (ENCLOSURE AND REMOVAL OF WASTE MATERIALS DURING CONSTRUCTION). THE DUMPSTER SHALL BE EMPTIED AS NECESSARY OR AS REQUIRED BY ORDINANCE 9.04 (SOLID WASTE MANAGEMENT) AND THE TRASH SHALL BE HAULED TO A LICENSED LANDFILL.

II HAZARDOUS WASTE:

AT A MINIMUM ANY PRODUCTS IN THE FOLLOWING CATEGORIES SHALL BE CONSIDERED HAZARDOUS: PAINT, ACIDS FOR CLEANING MASONRY SURFACES, CLEANING SOLVENTS, ASPHALT PRODUCTS, CHEMICAL ADDITIVES FOR SPILL STABILIZATION, CURING COMPOUNDS AND ADDITIVES. IN THE EVENT OF A SPILL WHICH MAY BE HAZARDOUS, THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION AND CONTACT THE FIRE DEPT. AND TNRCC.

III SANITARY WASTE:

ALL SANITARY WASTE SHALL BE COLLECTED FROM THE CONSTRUCTION PORTABLE UNITS AS NECESSARY OR AS REQUIRED, CHAPTER 18.08 (BUILDING CODE) BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR. ALL WASTE MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

IV SPILL PREVENTION:

THE FOLLOWING PRACTICES SHALL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURES OF MATERIALS TO STORM WATER RUNOFF.

V GOOD HOUSEKEEPING:

- A. STORE ONLY ENOUGH PRODUCTS REQUIRED TO DO THE JOB.
B. NEATLY STORE MATERIALS ON-SITE IN AN ORDERLY MANNER.
C. KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER.
D. DO NOT MIX SUBSTANCES WITH ONE ANOTHER, UNLESS OTHERWISE RECOMMENDED BY THE MANUFACTURER.
E. USE ENTIRE CONTENTS OF A PRODUCT BEFORE DISPOSING THE CONTAINER.
F. FOLLOW MANUFACTURE'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL.

VI HAZARDOUS PRODUCTS:

- PRACTICES TO REDUCE RISKS:
A. KEEP PRODUCTS IN THEIR ORIGINAL CONTAINER IF AT ALL POSSIBLE.
B. RETAIN ORIGINAL LABELS, PRODUCT INFORMATION AND MATERIAL SAFETY DATA SHEETS (MSDS).
C. DISPOSE SURPLUS PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS.

VII PETROLEUM PRODUCTS:

ALL ON-SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ON-SITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATION.

VIII SPILL CONTROL PRACTICES:

- A. MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES.
B. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREA ON-SITE.
C. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
D. SPILL AREA SHALL BE WELL VENTILATED AND APPROPRIATE CLOTHING WILL BE WORN.
E. ANY SPILL SHALL BE REPORTED TO THE APPROPRIATE GOVERNMENTAL AGENCY.
F. MEASURES SHALL BE TAKEN TO PREVENT A SPILL FROM REOCCURRING.

IX MAINTENANCE AND INSPECTION PROCEDURES:

ALL POLLUTION PREVENTION MEASURES SHALL BE INSPECTED AT LEAST ONCE A MONTH OR WITHIN 24-HOURS PRIOR TO ANTICIPATED STORM EVENT AND FOLLOWING A STORM EVENT OF 0.50 INCHES OR MORE. INSPECTION IN FINAL STABILIZED AREAS OR DURING ARID PERIODS WILL BE CONDUCTED MONTHLY. BEST MANAGEMENT PRACTICES AND POLLUTION CONTROL PROCEDURES SHALL BE INSPECTED FOR ADEQUACY. A REPORT SUMMARIZING THE SCOPE OF INSPECTION SHALL BE DONE AND RETAINED ALONG WITH THE SDPCP.

X REMARKS:

DISPOSAL AREAS, STOCKPILES, AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT MAY ENTER RECEIVING WATERS. DISPOSAL AREAS SHALL NOT BE LOCATED IN ANY WETLAND, WATERBODY OR STREAMBED. CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN A MANNER TO MINIMIZE THE RUNOFF OF POLLUTANTS. ALL WATERWAYS SHALL BE CLEANED AS SOON AS PRACTICABLE OF TEMPORARY EMBANKMENT, TEMPORARY BRIDGES, MATTING, FALSE WORK, PILING DEBRIS OR OTHER OBSTRUCTIONS PLACED DURING CONSTRUCTION OPERATIONS THAT ARE NOT A PART OF THE FINISHED WORK. SHALL BE OBSERVED DURING CONSTRUCTION:

- X HAUL ROADS SHALL BE DAMPENED FOR DUST CONTROL
X LOADED HAUL TRUCKS SHALL BE COVERED WITH TARPAULIN.
X EXCESS DIRT ON ROADS SHALL BE REMOVED IMMEDIATELY.
X STABILIZED CONSTRUCTION ENTRANCE.
OTHER:

GENERAL CIVIL INDEX

Table with 2 columns: Item Number, Description. Lists various civil engineering items and their status.



SITES SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800

E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS



MAY 28, 2019
SLI Project No. 09-19-4314

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)



Housing Authority of the City of El Paso

FINAL FOR CONSTRUCTION

Table with 3 columns: REVISIONS, MARK, DATE, DESCRIPTION. Contains revision history.

PROJECT NO: 2019048
CAD DWG FILE: SWPPP-104.DWG
DRAWN BY: F.E.
CHK'D BY: F.E. /G.H.
ISSUE DATE: 05/28/2019
COPYRIGHT: SLI Engineering, Inc.

SHEET TITLE

STORM WATER POLLUTION PREVENTION NOTES - HART

SWPPN-106

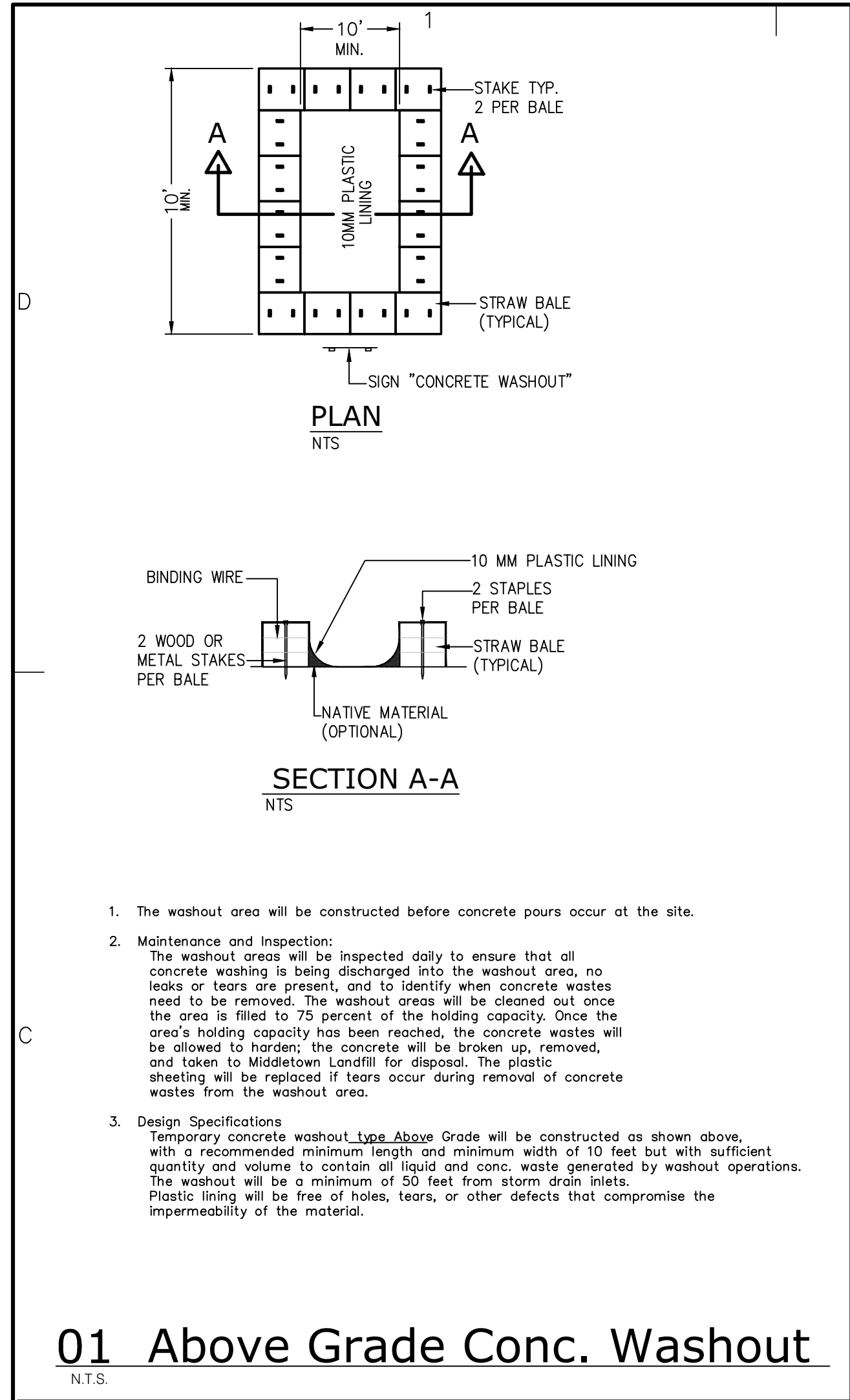
SHEET 18 OF 19

NOTE:

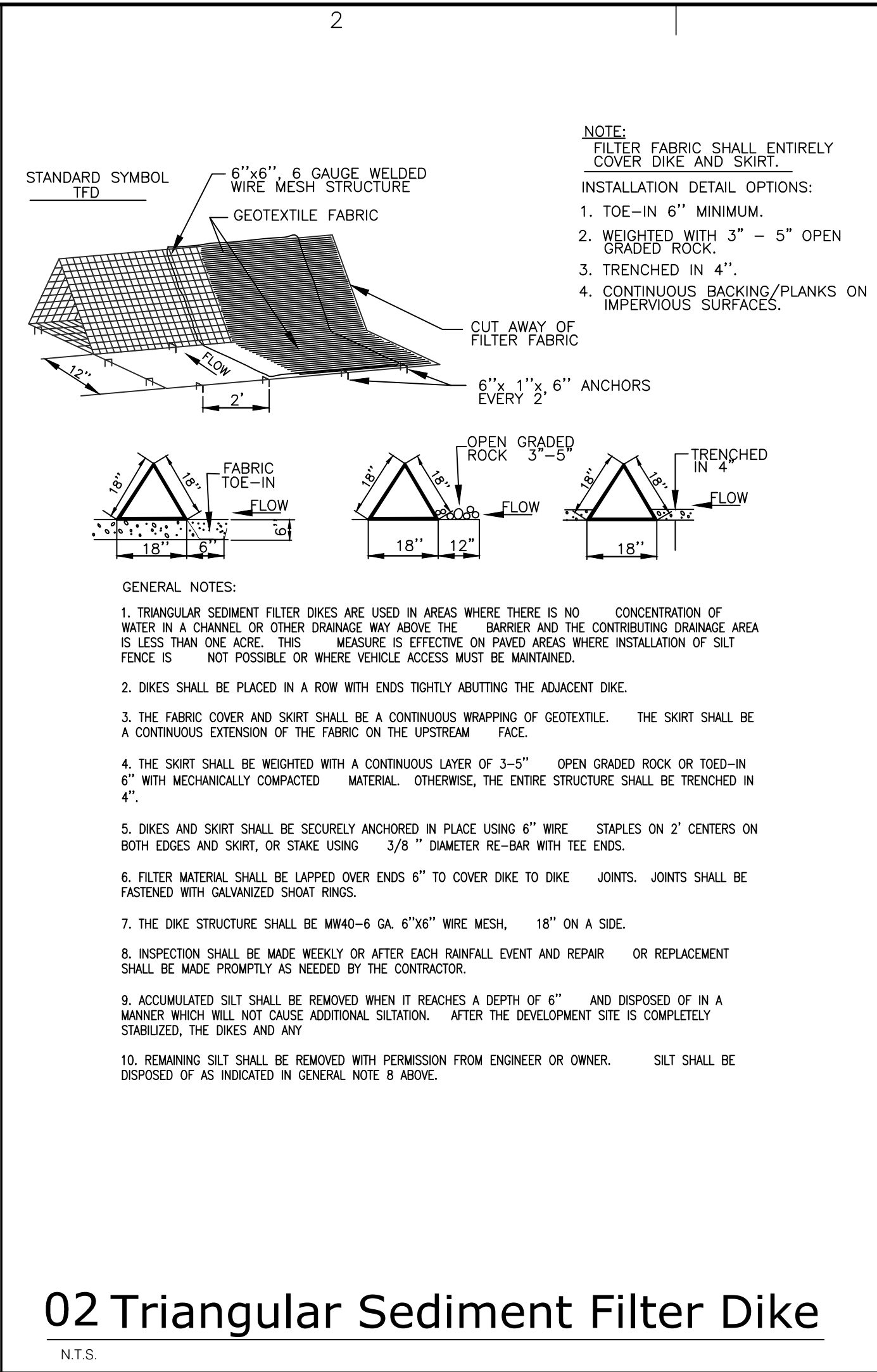
ALL EXISTING AND PROPOSED SIDEWALKS, BARRIER FREE RAMPS, HANDICAP PARKING, DRIVEWAY CROSSWALKS, DRIVEWAYS AND ACCESSIBLE ROUTES SHALL COMPLY WITH A.D.A., T.A.S. AND CITY OF EL PASO REQUIREMENTS, EXISTING INFRASTRUCTURE NOT COMPLYING SHALL BE REMOVED AND REPLACED TO MEET STANDARDS.



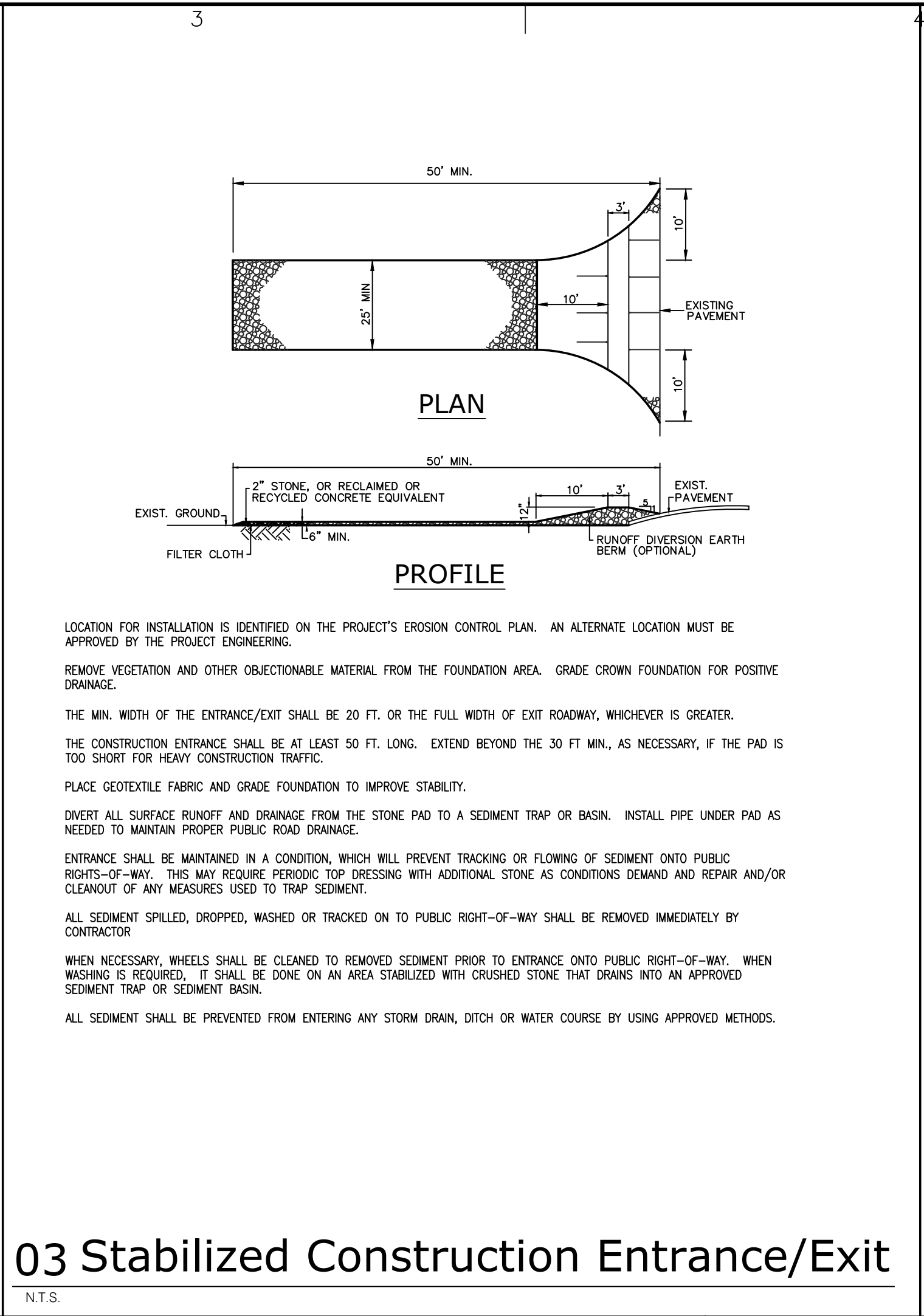
Know what's below.
Call before you dig.
It's Free, It's Easy, and IT'S THE LAW!



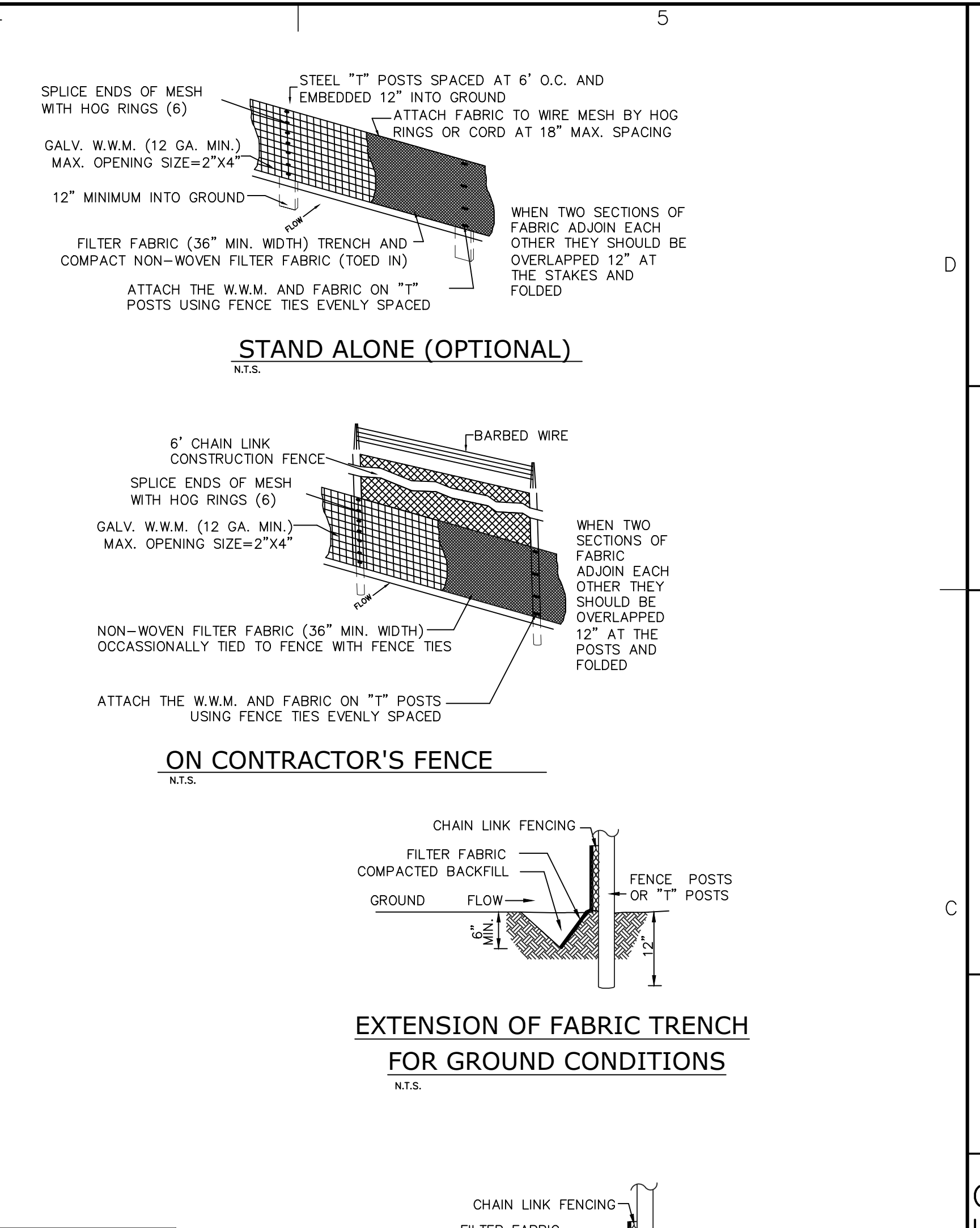
01 Above Grade Conc. Washout
NTS



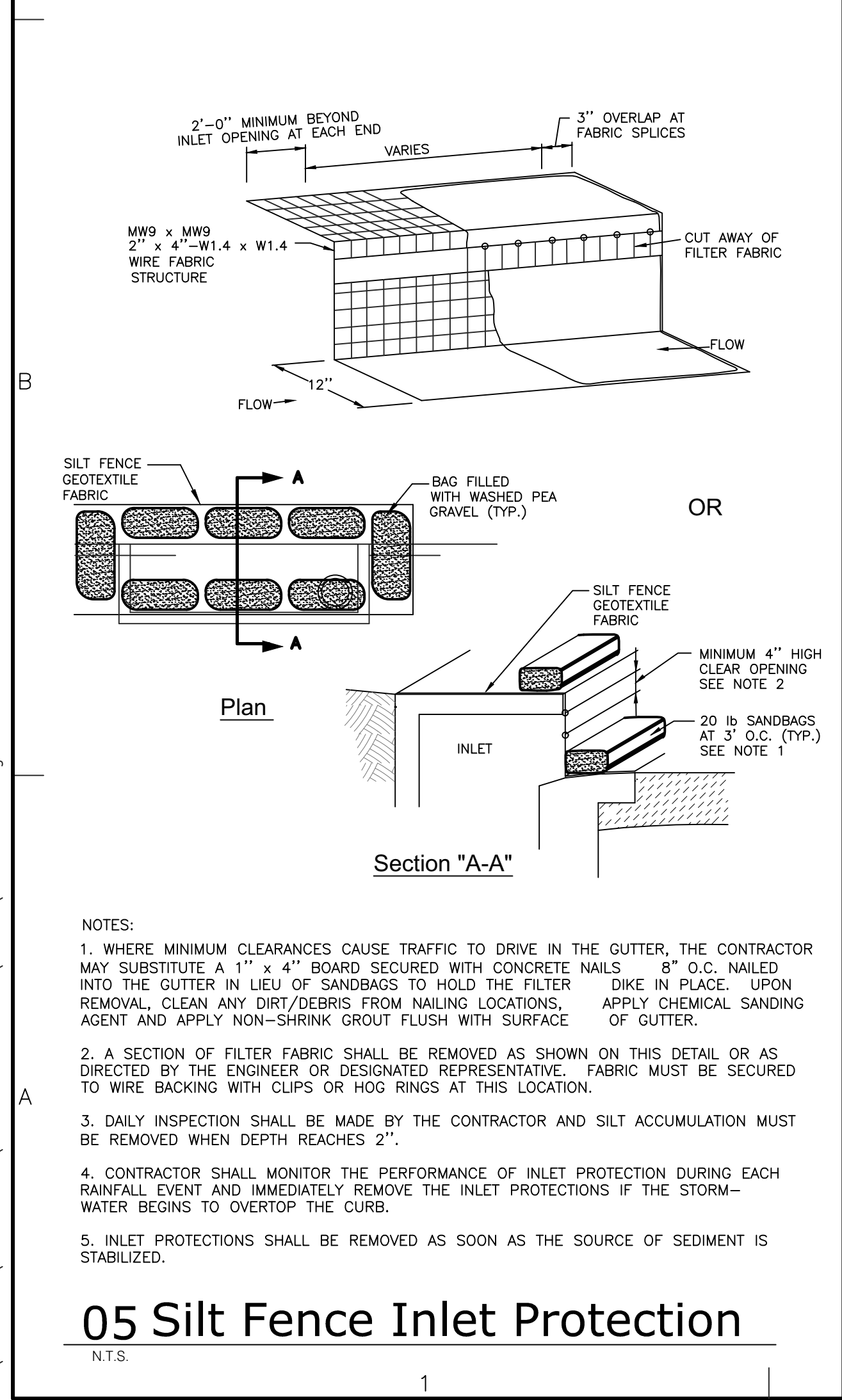
02 Triangular Sediment Filter Dike
NTS



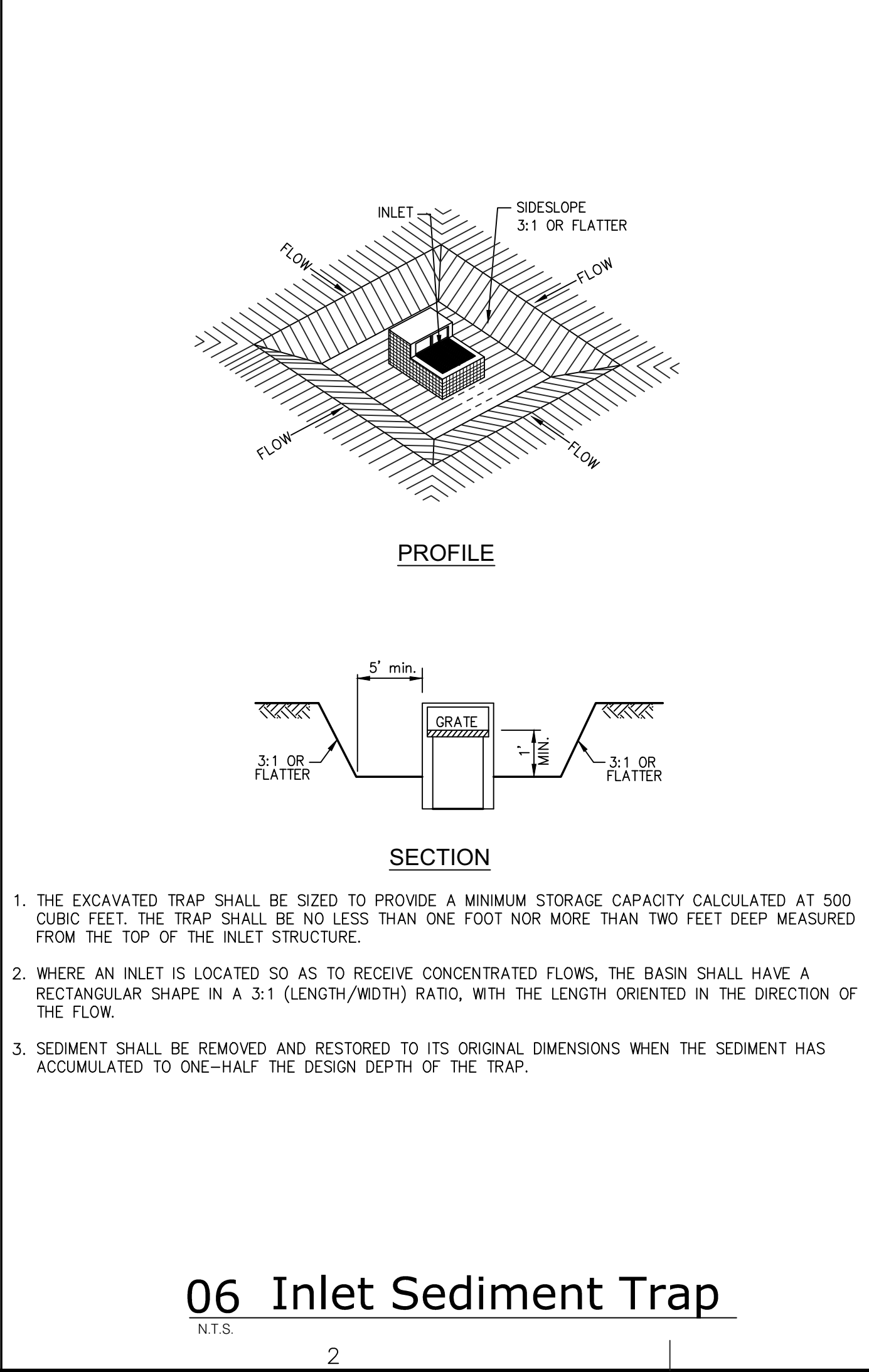
03 Stabilized Construction Entrance/Exit
NTS



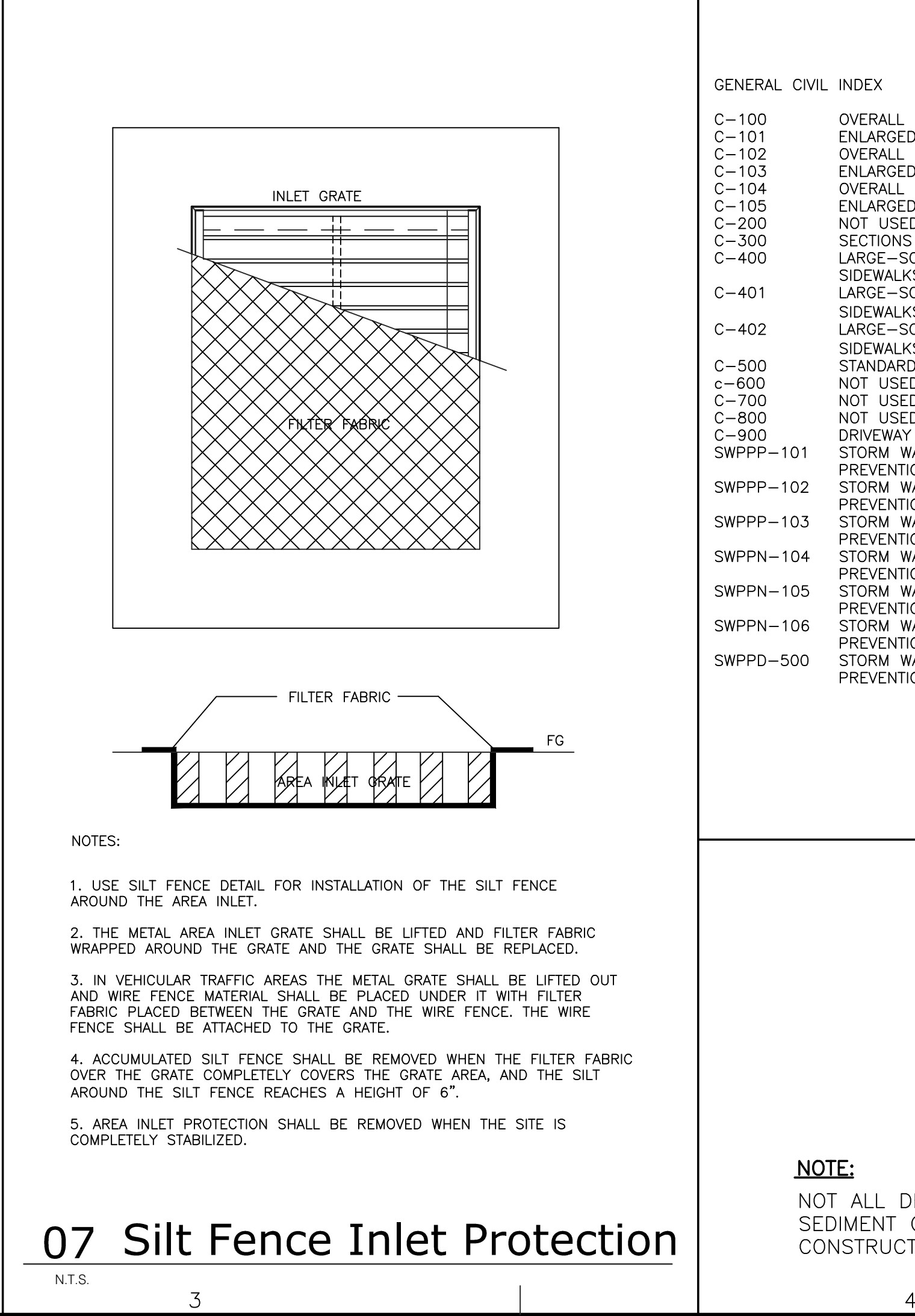
04 Temporary Sediment Control Fence
NTS



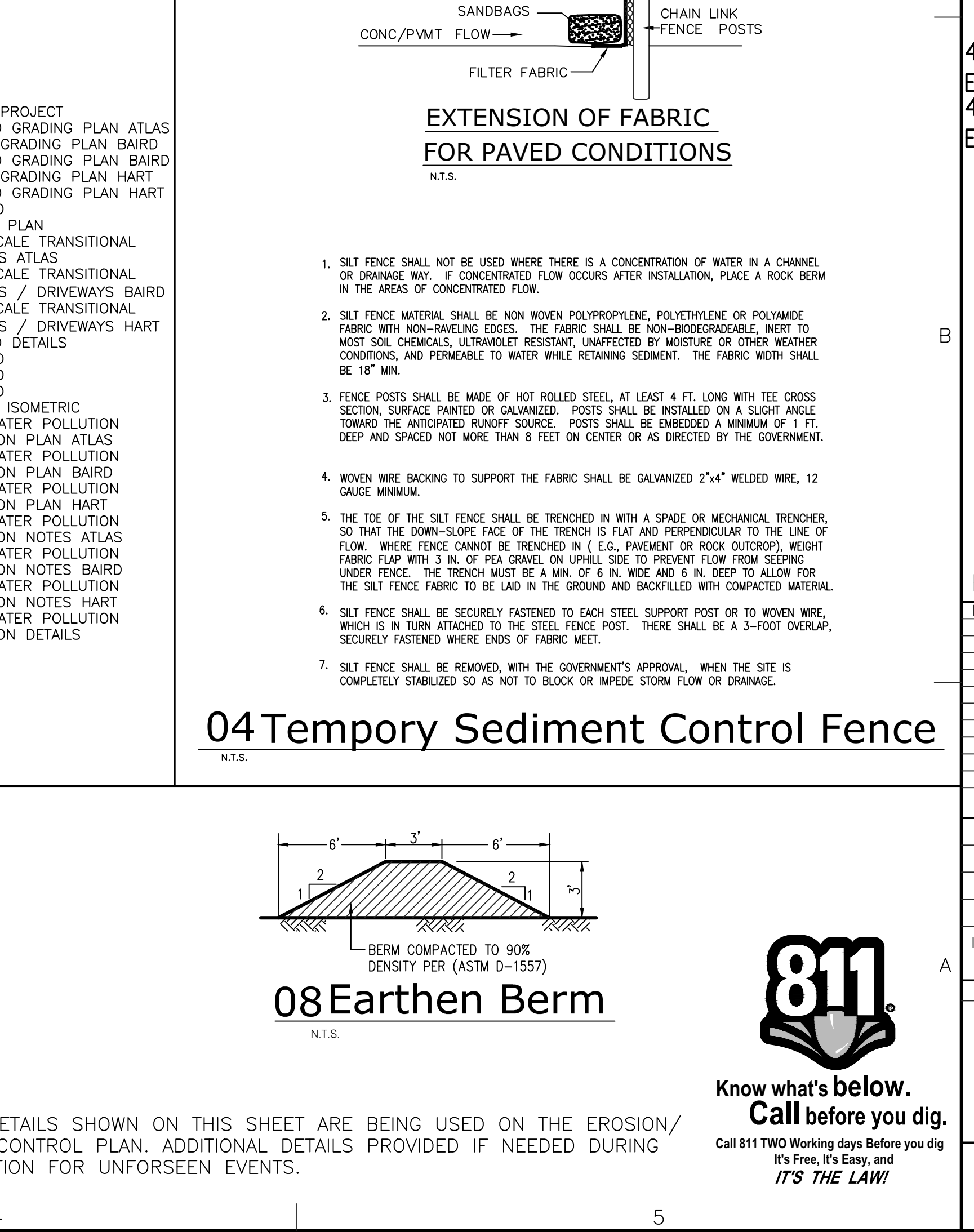
05 Silt Fence Inlet Protection
NTS



06 Inlet Sediment Trap
NTS



07 Silt Fence Inlet Protection
NTS



08 Earthen Berm
NTS

SITES SOUTHWEST

4110 RIO BRAVO, SUITE 217
EL PASO, TX 79902
PHONE: 915-351-8800
E-MAIL: mail@sites-sw.com
WEB: www.sites-sw.com

CONSULTANTS

SLI ENGINEERING, INC.
SLI LICENSE NO. F-1902

MAY 28, 2019
SLI Project No. 09-19-4314

PROJECT
CDBG HART & BAIRD IMPROVEMENTS

ADDRESS
4861 ATLAS AVE.
EL PASO, TX 79904 (HART)
4747 ATLAS AVE.
EL PASO, TX 79904 (BAIRD)

Housing Authority of the City of El Paso

FINAL FOR CONSTRUCTION

REVISIONS	MARK	DATE	DESCRIPTION

PROJECT NO: 2019048
CAD DWG FILE: SWPPD-500.DWG
DRAWN BY: F.E.
CHK'D BY: F.E./G.H.
ISSUE DATE: 05/28/2019
COPYRIGHT: SLI Engineering, Inc.

STORM WATER POLLUTION PREVENTION DETAILS

SWPPD-500
SHEET 19 OF 19