

HISTORIC AND DESIGN REVIEW COMMISSION

June 16, 2021

HDRC CASE NO: 2021-266
COMMON NAME: 613 N FLORES ST
LEGAL DESCRIPTION: NCB 132 LOT 38 FOX TECH HIGH SCHOOL
ZONING: D,RIO-7A
CITY COUNCIL DIST.: 1
LANDMARK: Individual Landmark
APPLICANT: Elizabeth Hurd/RVK Architecture
OWNER: Kedrick Wright/SAN ANTONIO ISD
TYPE OF WORK: Installation of a temporary parking lot
APPLICATION RECEIVED: May 26, 2021
60-DAY REVIEW: Not applicable due to City Council Emergency Orders
CASE MANAGER: Stephanie Phillips
REQUEST:

The applicant is requesting a Certificate of Appropriateness for approval to install a temporary surface parking lot at the lot addressed 613 N Flores.

APPLICABLE CITATIONS:

UDC DIVISION 6. – “RIO” DISTRICTS.
Sec. 35-670. - Criteria for Certificate of Appropriateness—Generally.

STATEMENT OF PURPOSE

In reviewing an application for a certificate of appropriateness for properties in the seven (7) river improvement overlay districts, the HDRC shall consider the character and design objectives for each river improvement overlay district, as well as the design standards set forth below. The commission also shall view the river or creek and their improvements as important natural, cultural, and historic resources. A building design or alteration shall recognize and acknowledge its relationship to the river or creek in its entirety. Sensitivity in design and an overall harmonious blending cannot be overemphasized.

Policy Manuals Adopted. The San Antonio River improvements project concept design guidelines, the Riverwalk policy guidelines, as amended, and the design guidelines for development of properties along the San Antonio River, prepared for the City of San Antonio, and the San Pedro Creek Design Guide are hereby adopted as policy guides for use by the commission and property owners. Copies are available from the historic preservation office.

Sec. 35-672. - Neighborhood Wide Design Standards.

(2) Location of Parking Areas. Automobile parking in new developments must be balanced with the requirements of active environments. Large expanses of surface parking lots have a negative impact on street activity and the pedestrian experience. New commercial and residential structures can accommodate parking needs and contribute to a pedestrian-friendly streetscape.

- A. Locate parking areas, that is any off-street, ground level surface used to park cars or any parking structure, toward the interior of the site or to the side or rear of a building.
- B. The extent of parking area that may be located along the street, river, or creek edge shall be limited to a percentage of the lot line as per Table 672-1 as measured in a lineal direction parallel to the lot line. All parking within a 30-foot setback from the above mentioned lot line shall comply with the requirements of the table. Where parking is located on corner sites only the lot line along the primary street has to meet the requirements of the table.
- C. Parking lots should be avoided as a primary land use. Parking lots as a primary use are prohibited in RIO-3 and RIO-7 for all properties that fall within one hundred (100) feet of the river or creek right-of-way in all RIO districts.

Table 672-1b

Description	RIO-7A	RIO-7B	RIO-7C	RIO-7D	RIO-7E
Max. % Coverage of Lot Line *	40%	N/A	40%	40%	40%
Buffering Required?	Yes	Yes	Yes	Yes	Yes

(b) Design Objectives for River Improvement Overlay Districts.

1. Enhance the pedestrian experience with high quality streetscape designs.
2. Design buildings to relate to the pedestrian scale.
3. Low impact development (LID) features such as engineered swales, engineered infiltration storm sewer systems, bio-retention, and engineered wetlands are encouraged in all RIO districts. These features may be considered on-site detention features to the extent that they reduce the stormwater runoff expected downstream as a result of such developments.
4. Encourage neighborhood and cultural tourism uses as well as infill housing and rehabilitation of existing structures.

(e) Landscape Design. Lush and varied landscapes are part of the tradition of the San Antonio River and San Pedro Creek. These design standards apply to landscaping within an individual site. Additional standards follow that provide more specific standards for the public pathway along the river or creek and street edges.

(1) Provide Variety in Landscape Design. Provide variety in the landscape experience along the river or creek by varying landscape designs between properties. No more than seventy-five (75) percent of the landscape materials, including plants, shall be the same as those on adjacent properties (see Figure 673-4).

(2) Planting Requirements in Open Space Abutting the River or Creek. On publicly-owned land leased by the adjoining property owner, if applicable, and/or within privately owned setbacks adjacent to the river or creek, a minimum percentage of the open space, excluding building footprint, lease space under bridges and parking requirements, are required to be planted according to Table 673-2.

- A. Planting requirements in RIO-4, RIO-5, RIO-6, and RIO-7e should continue the restoration landscape efforts along the river or creek banks. Planting in these RIO districts is to be less formal so as to maintain the rural setting of the river.

(f) Plant Materials. A number of soil conditions converge in the San Antonio and San Pedro Creek area to create unique vegetation ecosystems. Soil conditions vary greatly along these waterways and therefore native and indigenous plants will vary accordingly. Landscaping should reflect the unique soil characteristics of the specific site.

(1) Incorporate Existing Native Vegetation. Extend the use of native landscape materials, including plants, shrubs and trees that are used in the public areas of the river or creek onto adjacent private areas to form a cohesive design.

(2) Use indigenous and noninvasive species characteristic of the specific site as found on the permissible plant list maintained by the parks and recreation department or the Unified Development Code Plant List found in Appendix E. In "RIO-3," plantings of tropical and semi-tropical plants with perennial background is permitted.

(3) Install Trees to Provide Shade and to Separate Pedestrians From Automobile Traffic. Install street trees along the property line or in the ROW abutting all streets according to minimum requirement standards established in subsection 35-512(b), except where this conflicts with existing downtown Tri-Party improvements in "RIO-3." In "RIO-3" the owner has the option of placing trees at the property line, or along the street edge.

(g) Paving Materials. An important San Antonio landscape tradition is the use of decorative surfaces for paving and other landscape structures. Paving materials and patterns should be carefully chosen to preserve and enhance the pedestrian experience.

(1) Vary Walkway, Patio and Courtyard Paving to Add Visual Interest on the River or Creekside of Properties Abutting the River or Creek. Pervious paving is encouraged where feasible and appropriate to the site

- B. A maximum of six hundred (600) square feet is allowed for a single paving material before the paving material must be divided or separated with a paving material that is different in texture, pattern, color or material. A separation using a different material must be a minimum of twenty-four (24) inches wide, the full width of the pathway.
- C. A maximum of one hundred (100) lineal feet is allowed in a walkway before the pattern must change in districts "RIO-2," "RIO-3," and "RIO-4." A maximum of five hundred twenty-eight (528) lineal feet is allowed before the pattern must change in districts "RIO-1," "RIO-5" and "RIO-6." The change of material at five hundred twenty-eight (528) lineal feet will define and delineate one-tenth-mile markers.
- D. In "RIO-3," the Riverwalk pathway shall be delineated by using a separate material that is clearly distinguished from the adjacent patio paving materials. If the historic Hugman drawings indicate a sidewalk width and pattern on the site, that paving pattern and material shall be replicated.
- E. In RIO-7 paseos, terraces, courtyards, and patios that connect to the High Bank Paseo are encouraged to match the public pathway paving material, color, or pattern to form a more seamless connection between public pathway and on-site open spaces.

(j) Lighting. Site lighting should be considered an integral element of the landscape design of a property. It should help define activity areas and provide interest at night. At the same time, lighting should facilitate safe and convenient circulation for pedestrians, bicyclists and motorists. Overspill of light and light pollution should be avoided. (1) Site Lighting. Site lighting shall be shielded by permanent attachments to light fixtures so that the light sources are not visible from a public way and any offsite glare is prevented. A. Site lighting shall include illumination of parking areas, buildings, pedestrian routes, dining areas, design features and public ways. B. Outdoor spaces adjoining and visible from the river or creek right-of-way shall have average ambient light levels of between one (1) and three (3) foot-candles with a minimum of one-half (0.5) foot-candles and a maximum of six (6) foot-candles at any point measured on the ground plane. Interior spaces visible from the river or creek right-of-way on the river or creek level and ground floor level shall use light sources with no more than the equivalent lumens of a 100-watt incandescent bulb. Exterior balconies, porches and canopies adjoining and visible from the river or creek right-of-way shall use light sources with the equivalent lumens of a 60-watt incandescent bulb with average ambient light levels no greater than the lumen output of a 100-watt incandescent light bulb as long as average foot candle standards are not exceeded. Accent lighting of landscape or building features including specimen plants, gates, entries, water features, art work, stairs, and ramps may exceed these standards by a multiple of two and one-half (2.5). Recreational fields and activity areas that require higher light levels shall be screened from the river or creek hike and bike pathways with a landscape buffer. C. Exterior light fixtures that use the equivalent of more than 100-watt incandescent bulbs shall not emit a significant amount of the fixture's total output above a vertical cut-off angle of ninety (90) degrees. Any structural part of the fixture providing this cut-off angle must be permanently affixed. D. Lighting spillover to the publicly owned areas of the river or creek or across property lines shall not exceed one-half (½) of one (1) foot-candle measured at any point ten (10) feet beyond the property line. (2) Provide Lighting for Pedestrian Ways That is Low Scaled for Walking. The position of a lamp in a pedestrian-way light shall not exceed fifteen (15) feet in height above the ground. (3) Light Temperature and Color. A. Light temperature and color shall be between 2500°K and 3500°K with a color rendition index (CRI) of eighty (80) or higher, respectively. This restriction is limited to all outdoor spaces adjoining and visible from the river right-of-way and from the interior spaces adjoining the river right-of-way on the river level and ground floor level. Levels shall be determined by product specifications. B. Unique lighting methods, including LED or colored lights, are allowed in RIO-7 in order to enhance architectural elements provided such lighting installations to not conflict with any other requirement in this section.

(l) Buffering and Screening. The manner in which screening and buffering elements are designed on a site greatly affects the character of the river districts. In general, service areas shall be screened or buffered. "Buffers" are considered to be landscaped berms, planters or planting beds; whereas, more solid "screens" include fences and walls. When site development creates an unavoidable negative visual impact on abutting properties or to the public right-of-way, it shall be mitigated with a landscape design that will buffer or screen it. (1) Landscape Buffers Shall be Used in the Following Circumstances: To buffer the edges of a parking lot from pedestrian ways and outdoor use areas, (such as patios, and courtyards), and as an option to screening in order to buffer service areas, garbage disposal areas, mechanical equipment, storage areas, maintenance yards, equipment storage areas and other similar activities that by their nature create unsightly views from pedestrian ways, streets, public ROWs and adjoining property. (2) Screening Elements Shall be Used in the Following Circumstances: To screen service areas, storage areas, or garbage areas from pedestrian ways. (3) Exceptions for Site Constraints. Due to site constraints, in all RIOs and specifically for "RIO-3" where there is less than ten (10) feet to provide for the minimum landscape berm, a screen may be used in conjunction with plantings to meet the intent of these standards. For example a low site wall may be combined with plant materials to create a buffer with a lesser cross sectional width (see Figure 673-8).

(4) Applicable Bufferyard Types. Table 510-2 establishes minimum plant materials required for each bufferyard type. For purposes of this section, type C shall be the acceptable minimum type.

FINDINGS:

- a. The applicant is requesting approval for the temporary installation of a surface parking lot located at 613 N Flores St. The site currently features a non-operational baseball field and ancillary structures, which will not be affected by the project scope. The site is flanked to the north by commercial and warehouse structures; to the east by N Flores St, surface parking, and small commercial structures; to the south by surface parking; and to the west by Camaron St and San Pedro Creek.
- b. **PARKING AND HARDSCAPING** – The lot will feature parking for approximately 220 cars and will be installed through December 2024 to serve the Fox Tech Campus and overflow for the Central Office Building. As noted in finding a, the east side of the lot fronts San Pedro Creek. Based on the submitted site plan, the lot will span the entire Camaron street frontage, which is a two lane automobile street. According to UDC Section 35-672, large expanses of surface parking lots have a negative impact on street activity and the pedestrian experience. Parking lots should be avoided as a primary land use, and permanent parking lots as a primary use are prohibited in RIO-3 and RIO-7 for all properties that fall within one hundred (100) feet of the river or creek right-of-way in all RIO districts. The proposed parking lot is within one hundred (100) feet of the San Pedro Creek right-of-way. Staff finds that the proposed parking lot is permissible exclusively due to its temporary nature. Staff finds that the submitted site plan should be updated to include a substantial landscape buffer as required by RIO-7A standards and UDC requirements to ensure the parking lot is properly screened from the right-of-way and San Pedro Creek.
- c. **SAN ANTONIO RIVER AUTHORITY COORDINATION** – Per the UDC Section 35-672(c)8, consultation with the San Antonio River Authority regarding direct access to the San Antonio River and the San Pedro Creek, landscaping and maintenance boundaries and storm water control measures prior to the submission for a Certificate of Appropriateness is required. The applicant is responsible for complying with this section of the UDC.
- d. **ARCHAEOLOGY** – The project area is within a River Improvement Overlay District and is adjacent to San Pedro Creek, an area known to contain significant historic and prehistoric archaeological deposits. In addition, previously recorded archaeological site 41BX2274 is located within the project area. Construction activities shall avoid impacting the historical John H. James and Celso Navarro building foundations. An archaeological investigation shall be required if avoidance cannot be achieved. The development project shall comply with the Antiquities Code of Texas. The project shall comply with all federal, state, and local laws, rules, and regulations regarding archaeology, as applicable.

RECOMMENDATION:

Staff recommends temporary approval of the requested surface parking lot based on findings a through c with the following stipulations:

- i. That the parking lot be fully removed after its expiration date of December 2024. A site proposal is required to be submitted for review by the Office of Historic Preservation by this deadline.
- ii. That the applicant update the submitted site plan to include a substantial landscape buffer as required by RIO-7A standards and UDC requirements to ensure the parking lot is properly screened from the right-of-way and San Pedro Creek. The site plan is required prior to the issuance of a Certificate of Appropriateness or approval of a permit.
- iii. That the applicant coordinate with the San Antonio River Authority in regards to regarding direct access to San Pedro Creek, landscaping and maintenance boundaries, and storm water control measures prior to the issuance of a Certificate of Appropriateness.
- iv. **ARCHAEOLOGY** – Construction activities shall avoid impacting the John H. James and Celso Navarro building foundations. An archaeological investigation shall be required if avoidance cannot be achieved. The project shall comply with all federal, state, and local laws, rules, and regulations regarding archaeology, as applicable.

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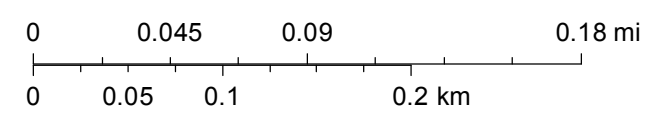




PHOTO 7



PHOTO 8



PHOTO 9



CAMARON STREET



San Antonio Independent School District

1702 N. Alamo Street, Suite 307 • San Antonio, Texas 78215

Telephone (210) 554-2420 • Fax (210) 228-3105

Office of the Construction and Development Services

December 11, 2018

City of San Antonio
Development Services
1901 S. Alamo St.
San Antonio, TX 78232

RE: SAISD Temporary Parking Lot
500 Cameron St.

We are submitting drawings to the City of San Antonio to install a temporary parking lot on our existing baseball field. The lot will be provided for our students and faculty at the Fox Tech Campus, as well as for the staff that will occupy the future Central Office Building which will be located on our existing football field located at 727 N. Flores Street. The parking lot will be temporary until December of 2024.

Kind Regards,

Kamal ElHabr, P.E., Associate Superintendent
Construction & Development Services
Operations Services Division
San Antonio ISD

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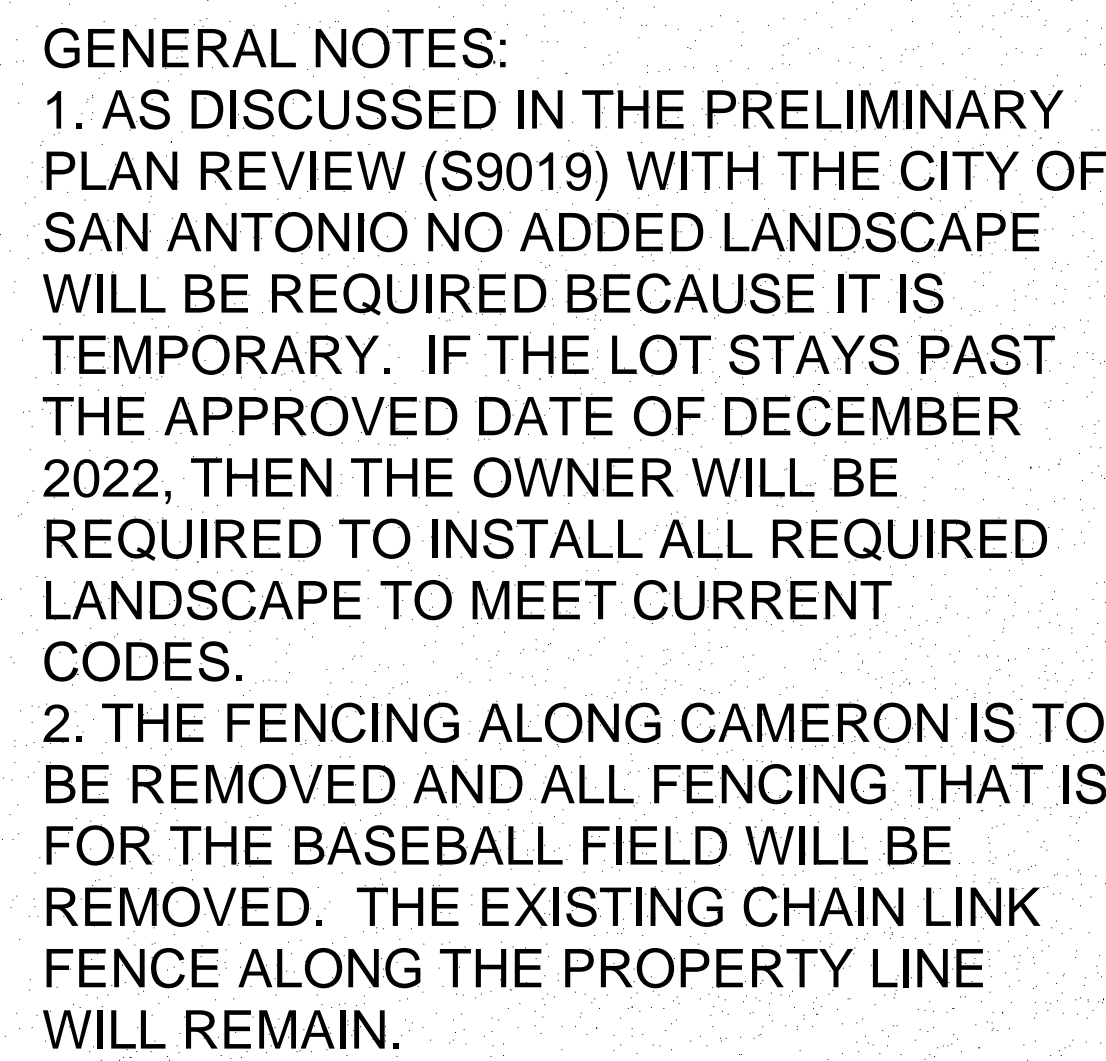


637 N. Main Ave.
San Antonio, Texas 78205

RVK

construction document


TEMPORARY PARKING
LOT



1 SITE PLAN

LOT 38, NCB 132
(VOL. 9551, PG. 120 D.P.R.)



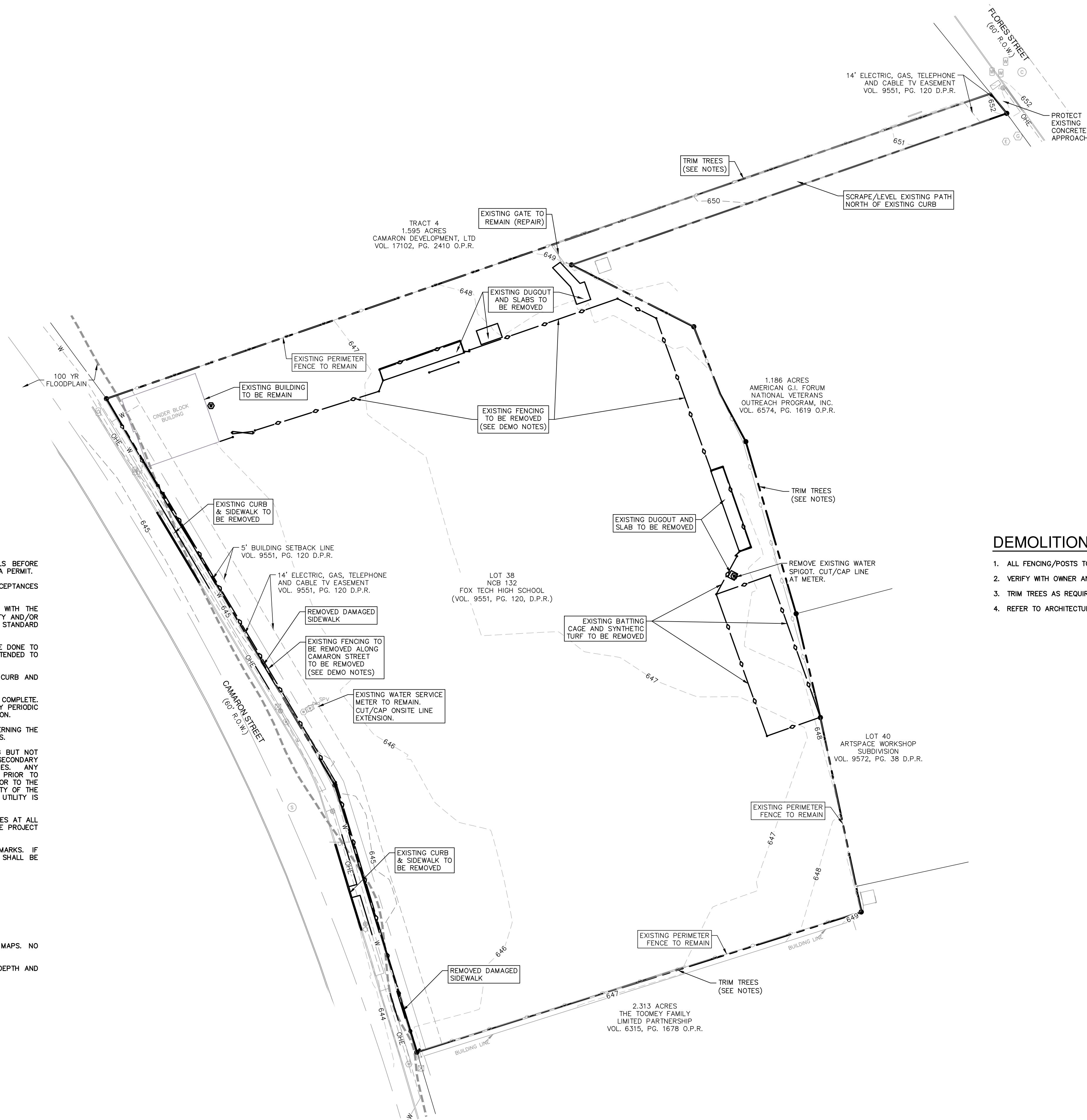
- PROPERTY LINE
 650 EXISTING CONTOURS
 EXISTING UTILITY
 100 EFFECTIVE (EXISTING) FEMA 1% ANNUAL CHANCE 100 YR FLOODPLAIN

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS/APPROVALS BEFORE BEGINNING CONSTRUCTION. NO WORK SHALL BE PERFORMED IN A PUBLIC RIGHT-OF-WAY WITHOUT A PERMIT.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED TESTING, APPROVALS AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
3. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THIS SCOPE OF WORK SHALL COMPLY WITH THE PROJECT GEOTECH REPORT, THE PROJECT SPECIFICATIONS, THE CURRENT APPLICABLE CITY, COUNTY AND/OR STATE CODES AND SPECIFICATIONS FOR CONSTRUCTION AND WATER AND SEWER PURVEYOR STANDARD SPECIFICATIONS.
4. CONTRACTOR IS RESPONSIBLE FOR RESTORING TO ITS ORIGINAL OR BETTER CONDITION ANY DAMAGE DONE TO EXISTING UTILITIES, FENCES, PAVEMENT, CURBS, DRIVEWAYS, SIDEWALKS, SIGNS OR OTHER ITEMS INTENDED TO REMAIN.
5. CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT, CURBS AND SIDEWALKS AT NEW PAVEMENT, CURB AND SIDEWALK JUNCTURES. NO JAGGED OR IRREGULAR CUTS WILL BE ACCEPTED.
6. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE REVEGETATED AFTER CONSTRUCTION IS COMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING VEGETATION IN ALL DISTURBED AREAS BY PERIODIC WATERING OR OTHER APPROVED MEANS. REFERENCE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
7. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT OR LIMITS OF ALL ITEMS COVERED WITHIN THE SCOPE OF WORK OF THESE PLANS.
8. THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC AND PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO WATER, SEWER, TELEPHONE, AND FIBER OPTIC LINES, SITE LIGHTING, ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCT BANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHALL BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT THE CONTRACTORS SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.
9. DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, ACCESS MUST BE PROVIDED TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
10. CONTRACTOR SHALL PRESERVE ALL PROPERTY CORNER MONUMENTATION, CONTROL POINTS & BENCHMARKS. IF ANY ARE DESTROYED OR REMOVED BY THE CONTRACTOR OR HIS SUBS OR EMPLOYEES, THEY SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
11. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL DEMOLITION NOTES.

1. EXISTING UTILITIES SHOWN ARE BASED ON VISIBLE SURVEYED FEATURES AND/OR AVAILABLE MAPS. NO SUBSURFACE INVESTIGATIONS HAVE BEEN PREFORMED.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR UTILITY LOCATORS AND CONFIRMING THE DEPTH AND LOCATION OF UTILITIES LOCATED AS REQUIRED TO SUPPORT THE WORK.

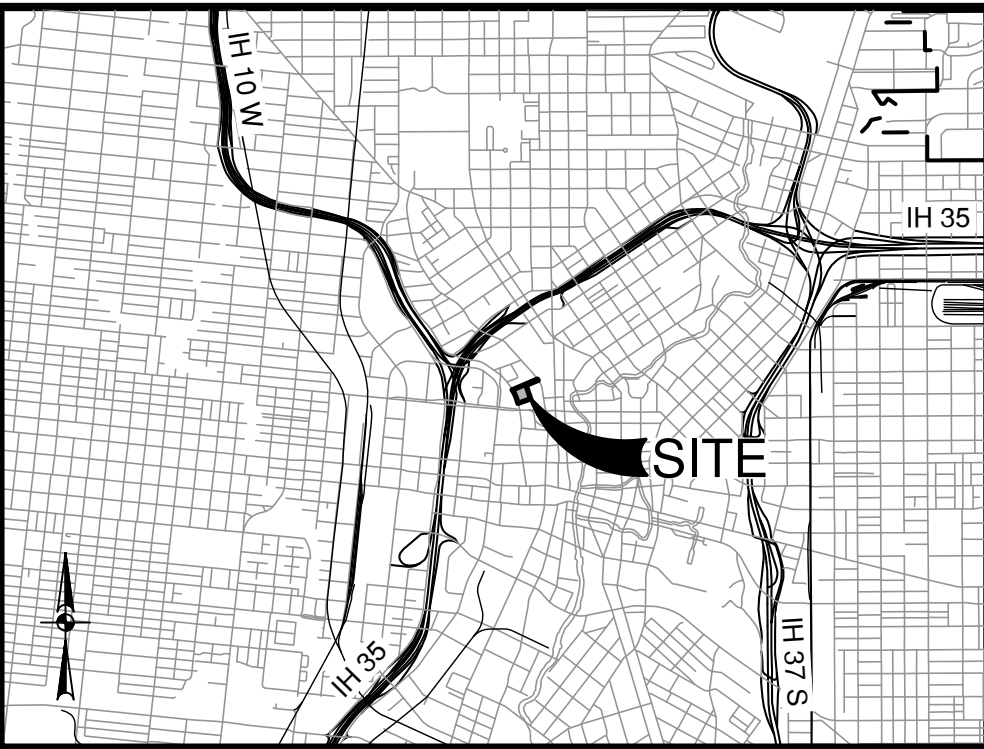
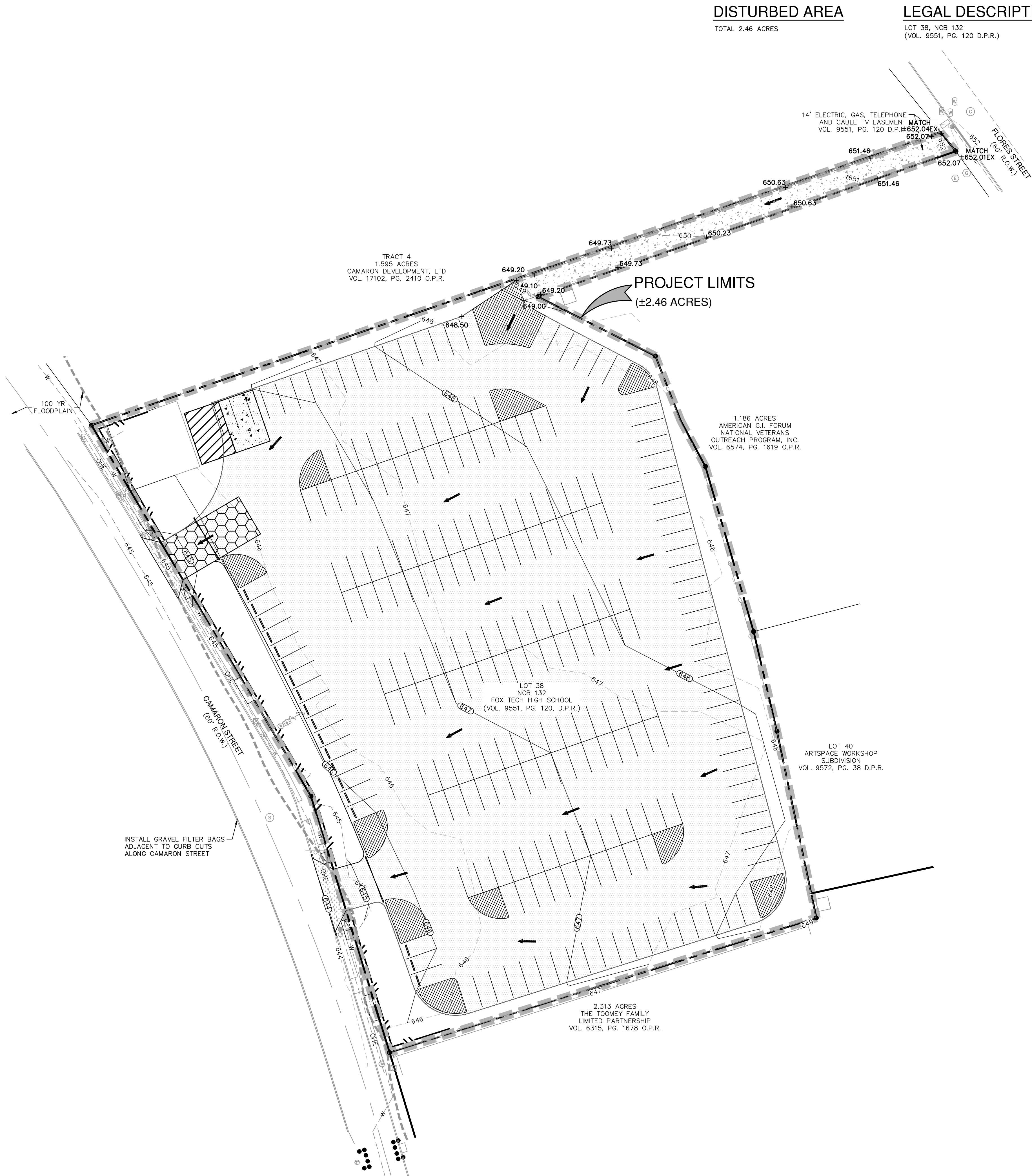
1. REFER TO LANDSCAPE ARCHITECT PLANS FOR TREE REMOVAL AND PROTECTION DETAILS AND INFORMATION.

1. ALL FENCING/POSTS TO BE REMOVED TO MIN. 2' BELOW GRADE AND BACKFILLED WITH CLEAN SOIL.
2. VERIFY WITH OWNER ANY ITEMS TO BE SALVAGED.
3. TRIM TREES AS REQUIRED BY LANDSCAPE ARCHITECT PLANS.
4. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL DEMOLITION NOTES.

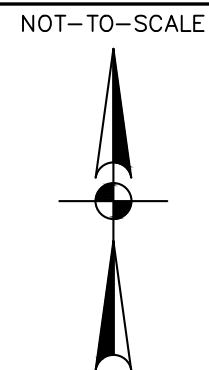


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THIS DOCUMENT HAS BEEN REVIEWED FOR MATERIAL THAT MAY CONFLICT WITH THE TRANSMITTED INFORMATION AND MAY HAVE BEEN MODIFIED IN THE FIELD. THIS PLAN IS FOR THE USER'S INFORMATION ONLY. THE USER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED. THE USER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED. THE USER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED.



LOCATION MAP



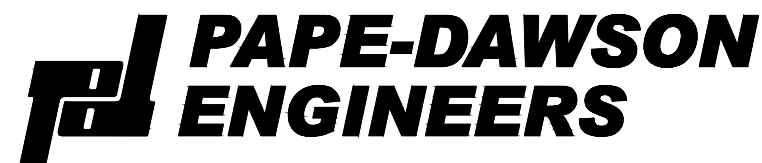
SCALE: 1" = 30'
0' 30' 60' 90'

LEGEND:

- PROPERTY LINE
- PROJECT LIMITS & DISTURBED ACREAGE
- EXISTING CONTOURS
- PROPOSED CONTOURS
- DRAINAGE FLOW ARROW
- STABILIZED CONSTRUCTION ENTRANCE/EXIT (TO BE FIELD LOCATED)
- CONCRETE TRUCK WASHOUT PIT (TO BE FIELD LOCATED)
- CONSTRUCTION STAGING AREA (TO BE FIELD LOCATED)
- SILT FENCE
- CURB INLET PROTECTION

SWPPP NOTES:

- DO NOT DISTURB VEGETATED AREAS (TREES, GRASS, WEEDS, BRUSH, ETC.) ANY MORE THAN NECESSARY FOR CONSTRUCTION.
- CONCRETE WASHOUT PIT AND CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE YARD TO BE FIELD LOCATED.
- STORM WATER POLLUTION PREVENTION CONTROLS MAY NEED TO BE MODIFIED IN THE FIELD TO ACCOMPLISH THE DESIRED EFFECT. ALL MODIFICATIONS ARE TO BE NOTED ON THIS EXHIBIT AND SIGNED AND DATED BY THE RESPONSIBLE PARTY.
- CONTRACTOR SHALL RESTRICT ENTRY/EXIT TO THE PROJECT SITE TO DESIGNATED LOCATIONS BY USE OF ADEQUATE FENCING IF NECESSARY.
- ALL STORM WATER POLLUTION PREVENTION CONTROLS ARE TO BE MAINTAINED AND IN WORKING CONDITIONS AT ALL TIMES.
- FOR A COMPLETE LISTING OF TEMPORARY STORM WATER POLLUTION PREVENTION CONTROLS REFER TO THE TPDES STORM WATER POLLUTION PREVENTION PLAN.
- STORMWATER POLLUTION PREVENTION STRUCTURES SHOULD BE CONSTRUCTED WITHIN THE SITE BOUNDARIES. SOME OF THESE FEATURES MAY BE SHOWN OUTSIDE THE BOUNDARIES ON THIS PLAN FOR VISUAL CLARITY.
- AS SOON AS PRACTICAL, ALL DISTURBED SOIL THAT WILL NOT BE COVERED BY IMPERVIOUS COVER SUCH AS PARKWAYS, EASEMENTS, EMBANKMENT SLOPES, ETC. SHOULD BE STABILIZED PER APPLICABLE PROJECT SPECIFICATIONS AND LANDSCAPE PLANS.
- BEST MANAGEMENT PRACTICES MAY BE INSTALLED IN STAGES TO COINCIDE WITH THE DISTURBANCE OF UPGRADE AREAS.
- BEST MANAGEMENT PRACTICES MAY BE REMOVED IN STAGES ONCE THE WATERSHED FOR THAT PORTION CONTROLLED BY THE BEST MANAGEMENT PRACTICES HAS BEEN STABILIZED IN ACCORDANCE WITH TPDES REQUIREMENTS.
- UPON COMPLETION OF THE PROJECT, INCLUDING SITE STABILIZATION, AND BEFORE FINAL PAYMENT IS ISSUED, CONTRACTOR SHALL REMOVE ALL SEDIMENT & EROSION CONTROL MEASURES.
- MUD OR DIRT INADVERTENTLY TRACKED OFF-SITE AND ONTO EXISTING STREETS SHALL BE REMOVED IMMEDIATELY BY THE CONTRACTOR.

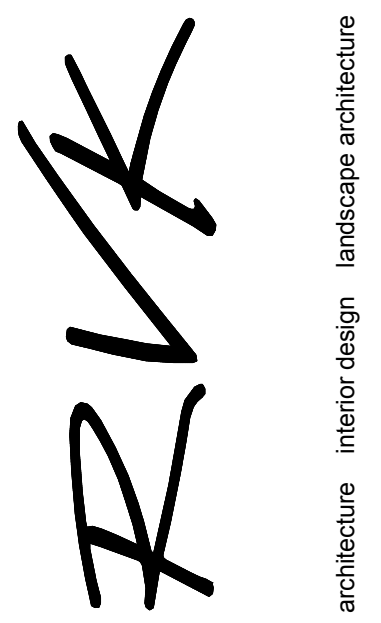


SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

project no. 16127 A
5/25/21
SHAUNA L. WEAVER
89512
LICENSED PROFESSIONAL ENGINEER
Shauna L. Weaver

FIELDS AND PARKING LOT REVISIONS
SAISD - Temporary Parking Lot
637 N. Main Ave.
San Antonio, Texas 78205

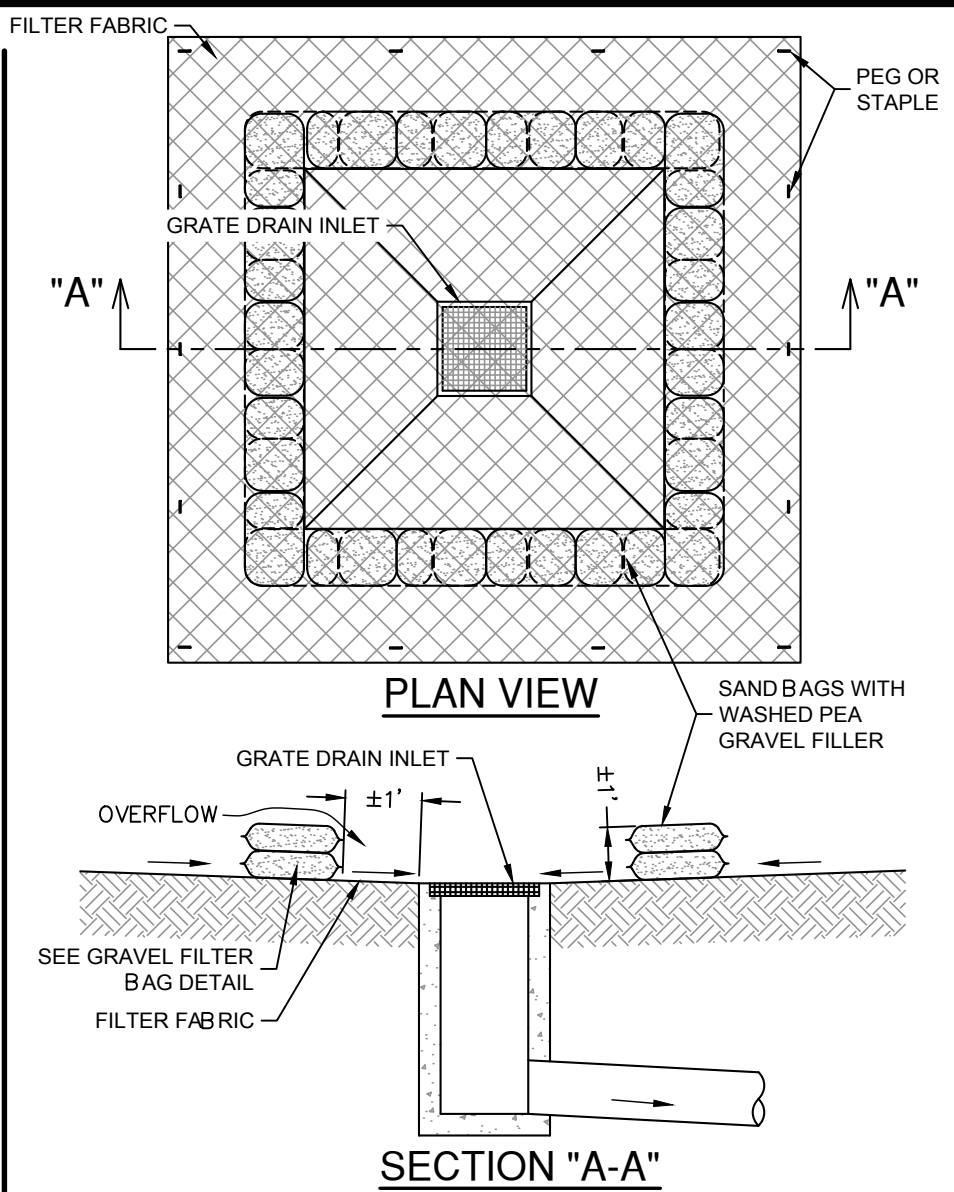
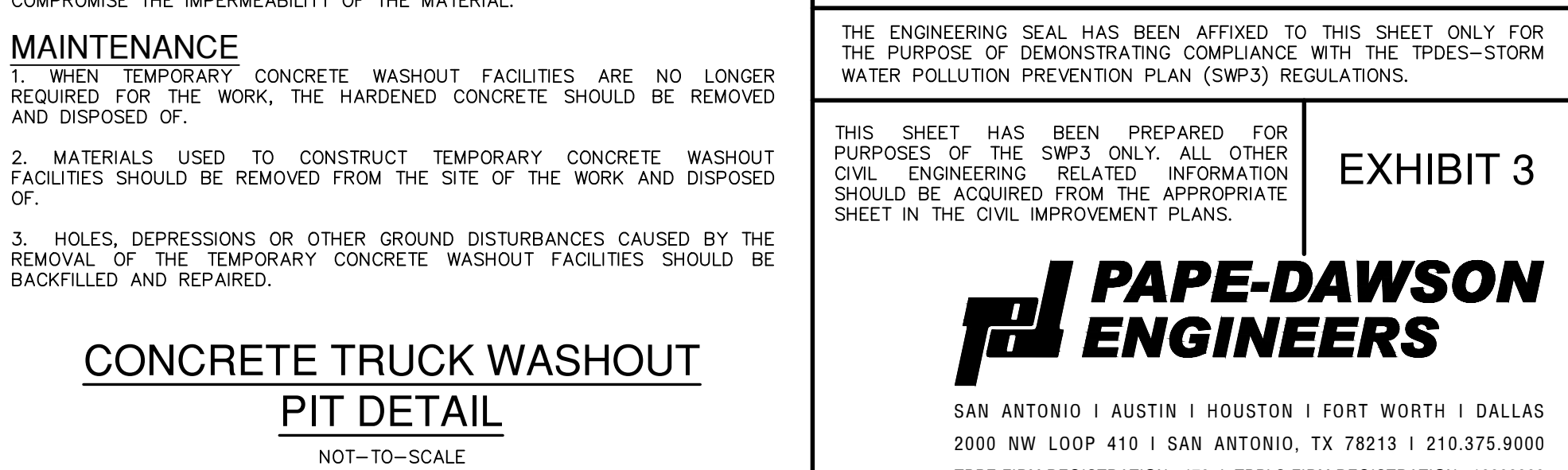
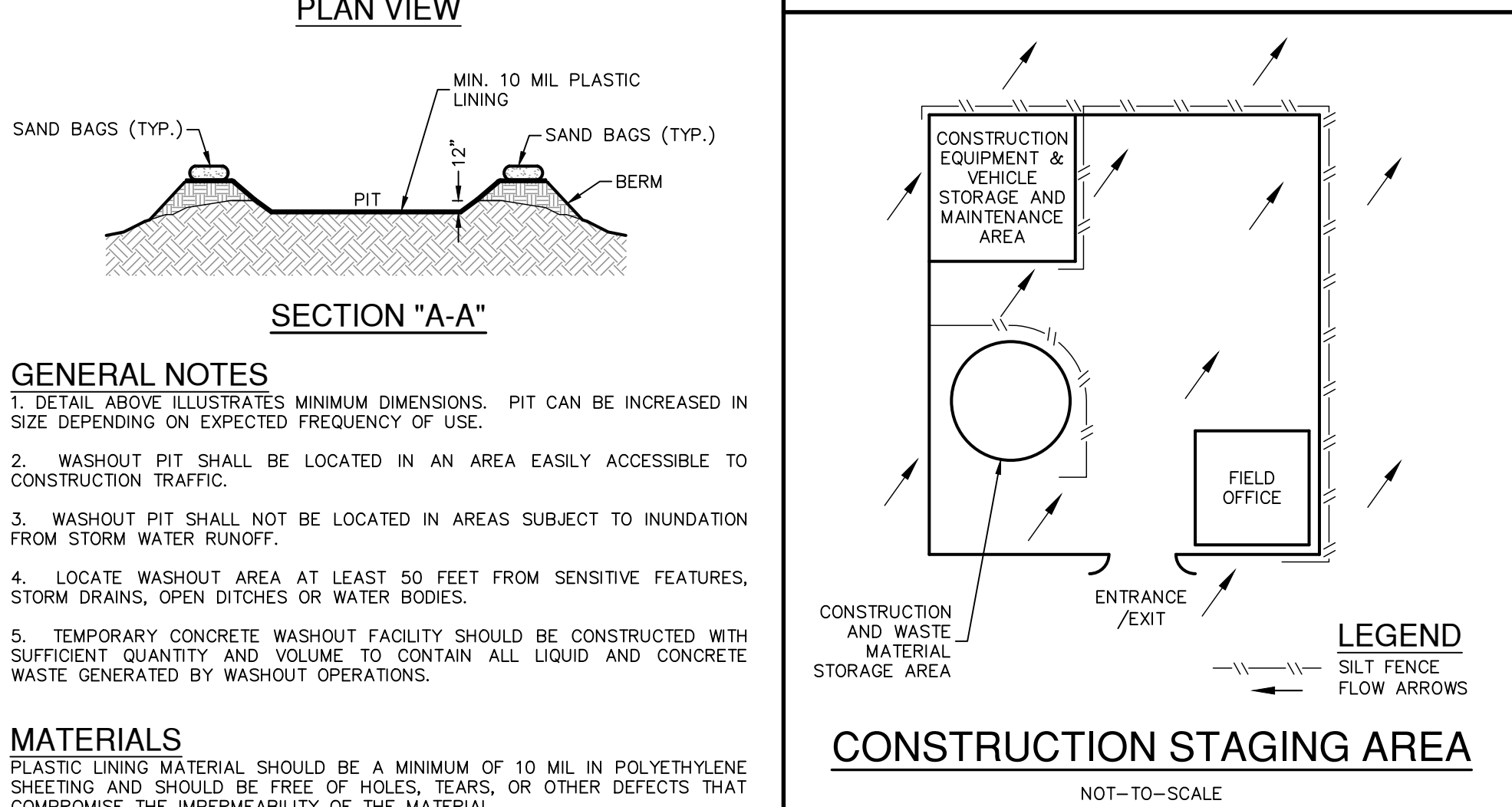
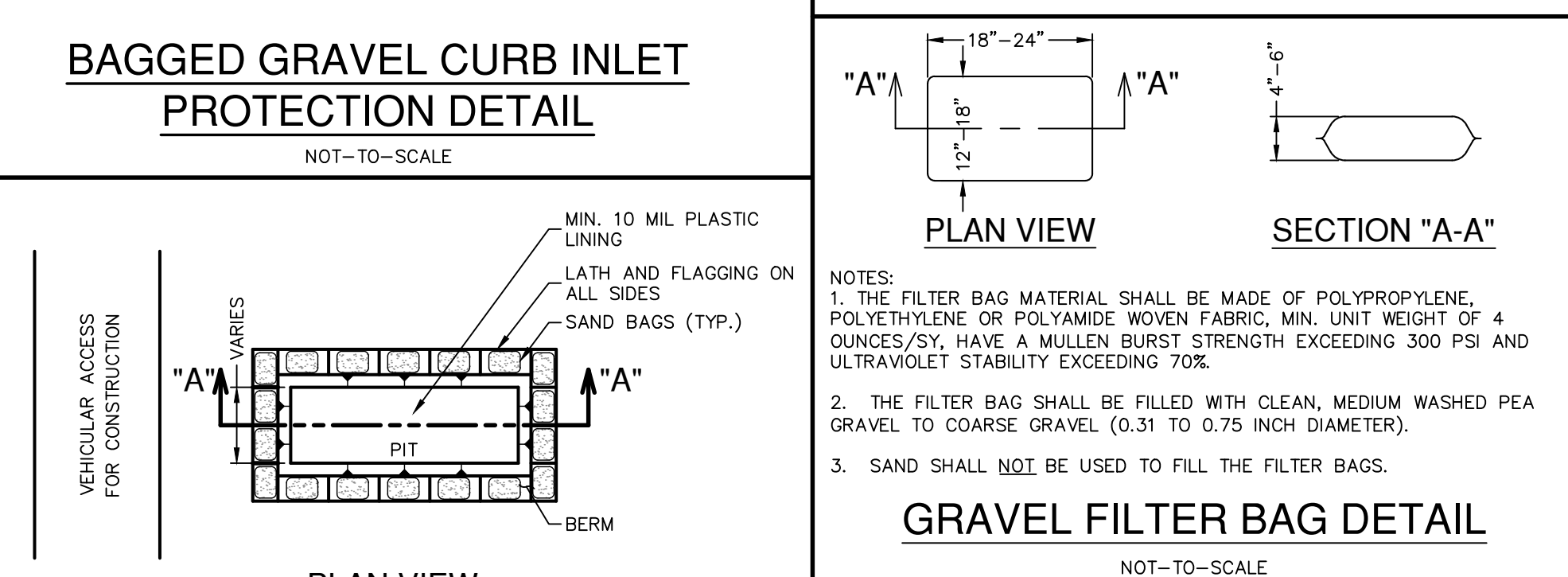
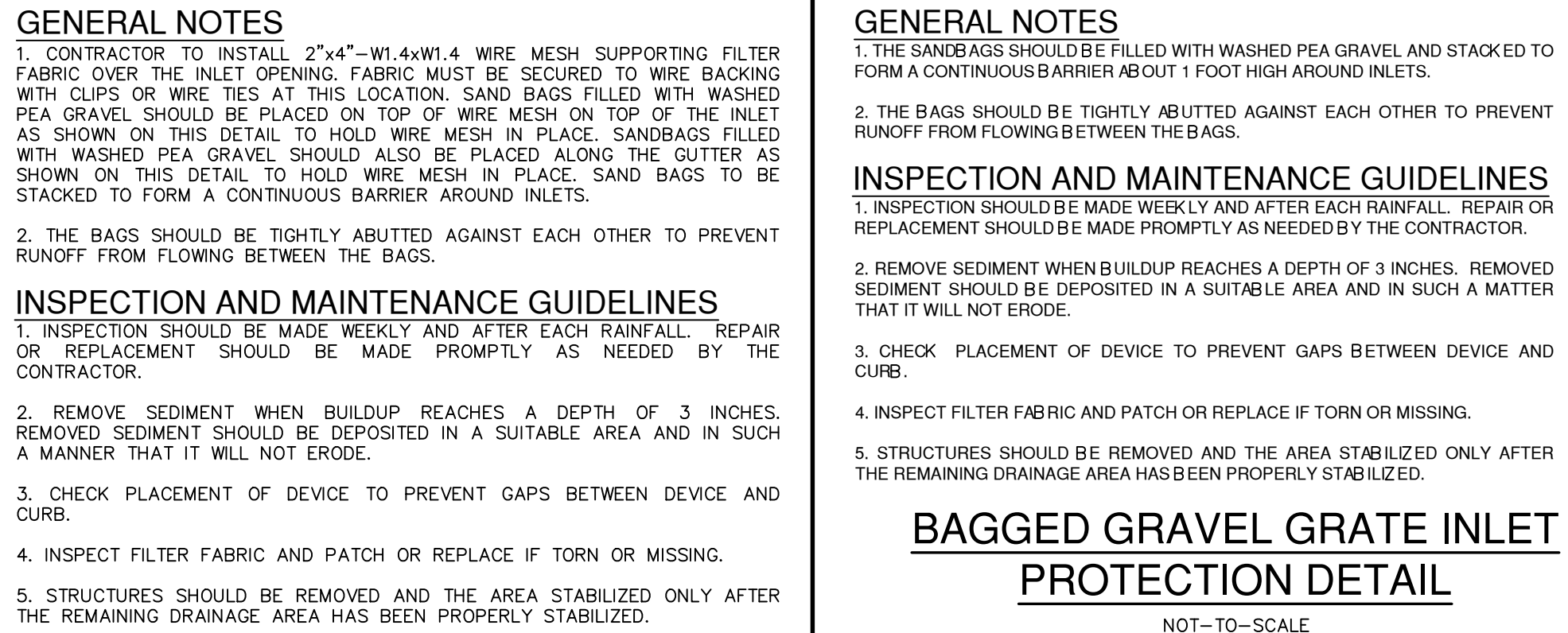
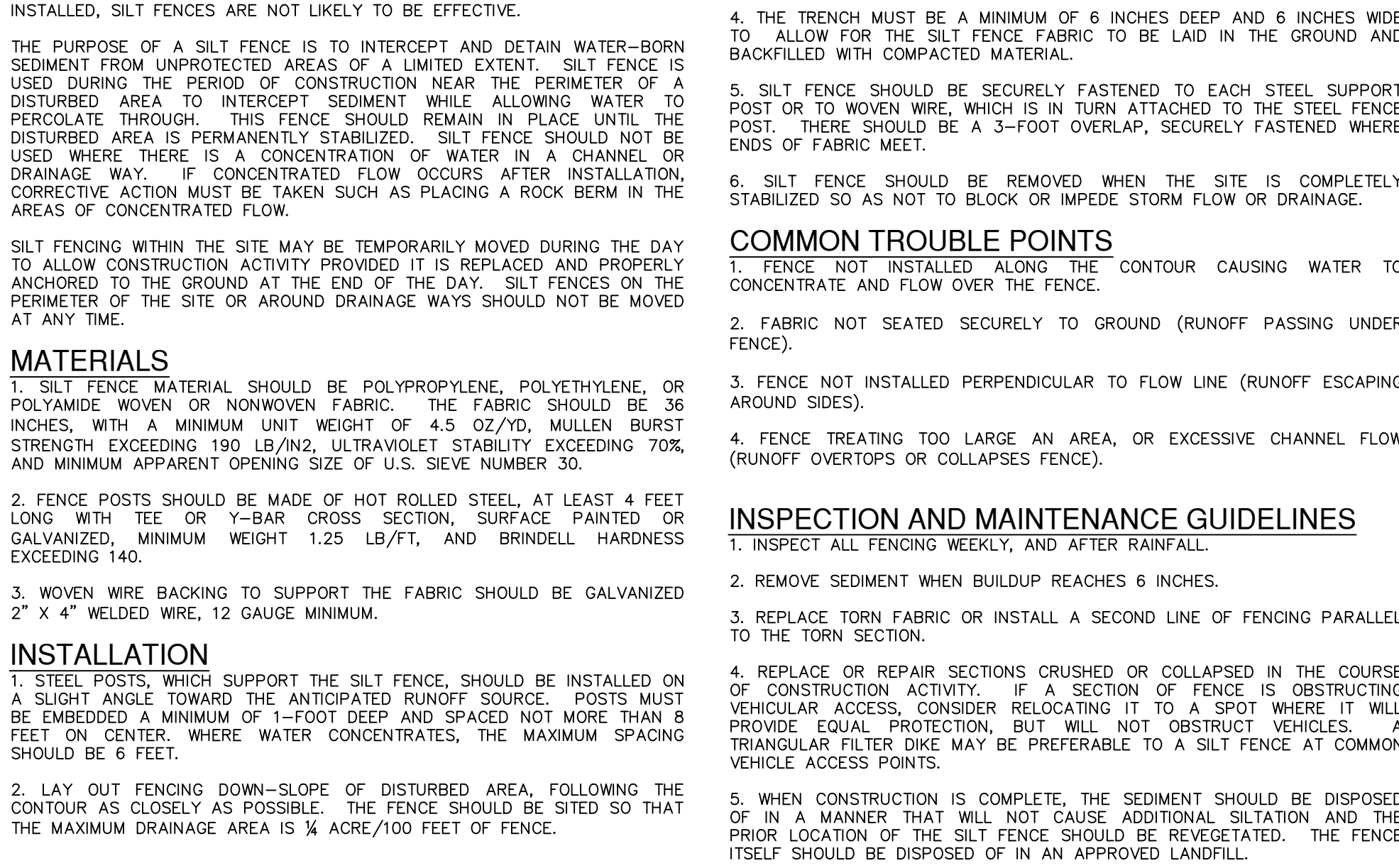
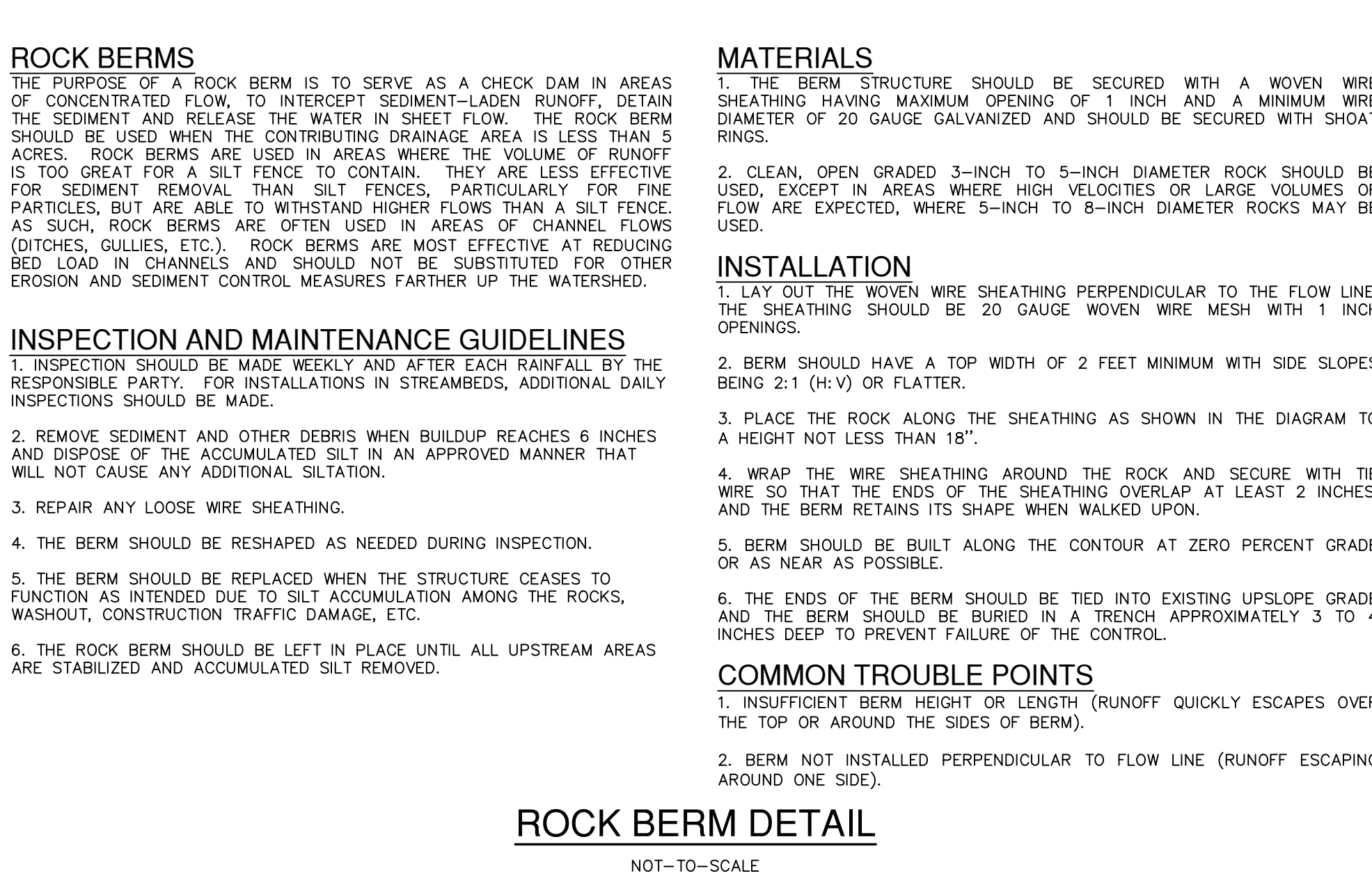
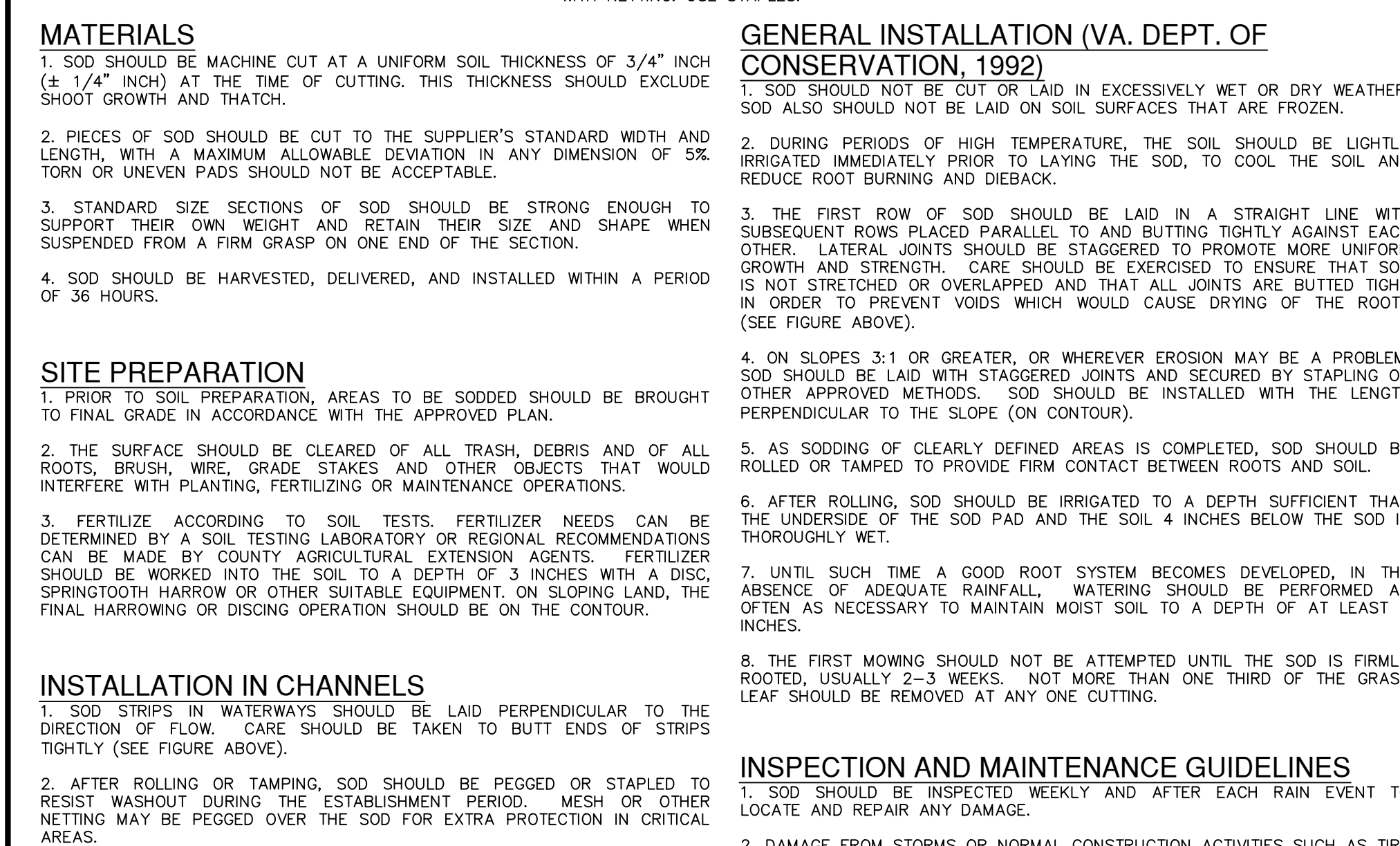
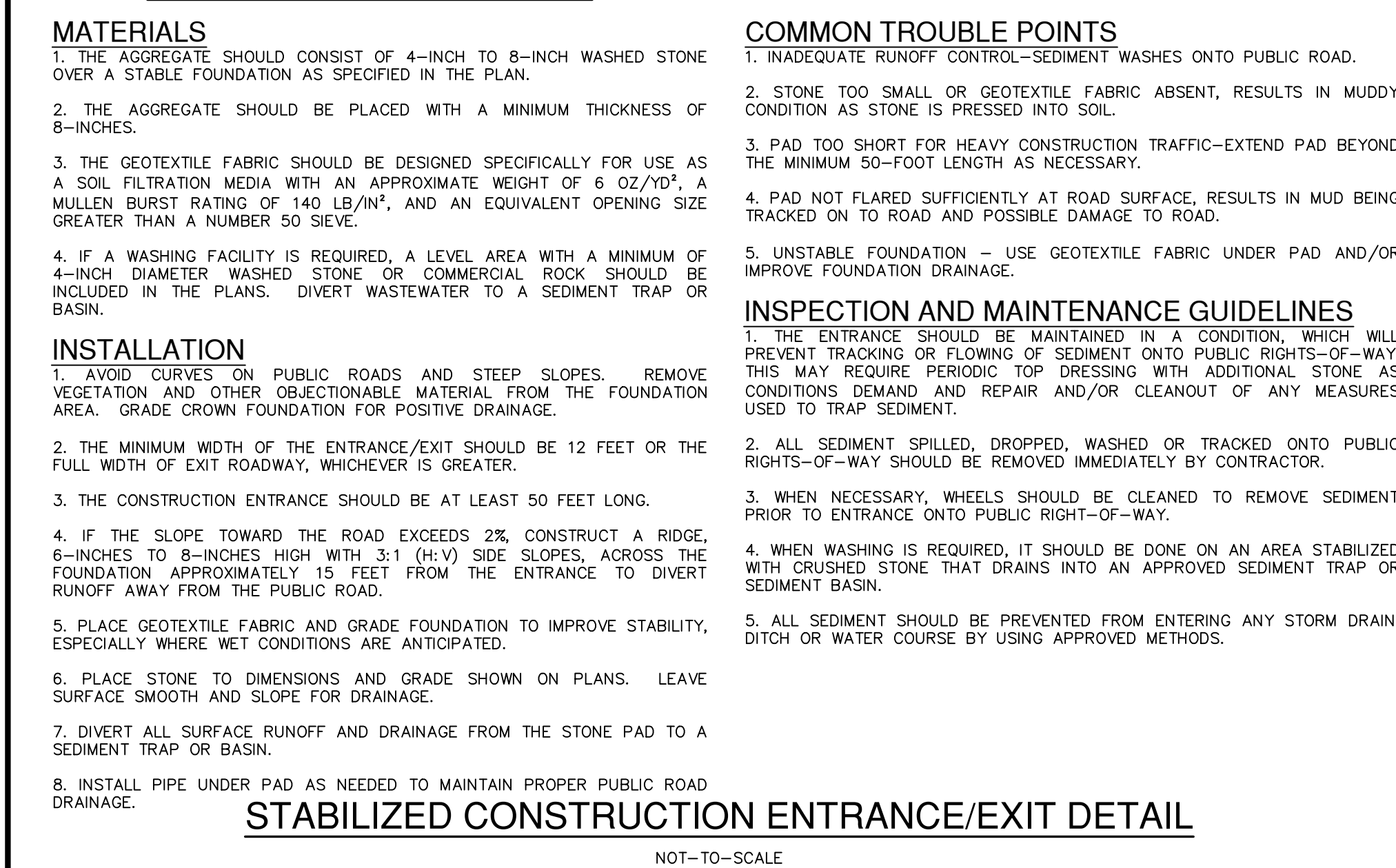
revisions:
5/25/21 HDRC Review



745 e mulberry ave suite 601
san antonio texas 78212
telephone: 210.733.3535
web: www.rvk-architects.com

construction documents

C2.00
SWPPP
PLAN



GENERAL NOTES

1. THE SANDBAGS SHOULD BE FILLED WITH WASHED PEA GRAVEL AND STACKED TO FORM A CONTINUOUS BARRIER ABOUT 1 FOOT HIGH AROUND INLETS.

2. THE BAGS SHOULD BE TIGHTLY ABUTTED AGAINST EACH OTHER TO PREVENT RUNOFF FROM FLOWING BETWEEN THE BAGS.

INSPECTION AND MAINTENANCE GUIDELINES

1. INSPECTION SHOULD BE MADE WEEKLY AND AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHOULD BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.

2. REMOVE SEDIMENT WHEN BUILDUP REACHES A DEPTH OF 3 INCHES. REMOVED SEDIMENT SHOULD BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.

3. CHECK PLACEMENT OF DEVICE TO PREVENT GAPS BETWEEN DEVICE AND CURB.

4. INSPECT FILTER FABRIC AND PATCH OR REPLACE IF TORN OR MISSING.

5. STRUCTURES SHOULD BE REMOVED AND THE AREA STABILIZED ONLY AFTER THE REMAINING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

BAGGED GRAVEL GRATE INLET PROTECTION DETAIL

The technical drawings illustrate the filter bag's dimensions and structure. The **PLAN VIEW** shows a rectangular bag with a width dimension of 18"-24" and a height dimension of 10" to 12". Arrows labeled "A" indicate the cross-section line. The **SECTION "A-A"** shows a cross-section of the bag, which is wider at the top and tapers towards the bottom, with a height dimension of 10" to 12".

GRAVEL FILTER BAG DETAIL

CONSTRUCTION EQUIPMENT & VEHICLE STORAGE AND MAINTENANCE AREA

FIELD OFFICE

CONSTRUCTION AND WASTE MATERIAL STORAGE AREA

ENTRANCE / EXIT

LEGEND
 ———— SILT FENCE
 → FLOW ARROWS

CONSTRUCTION STAGING AREA

NOT-TO-SCALE

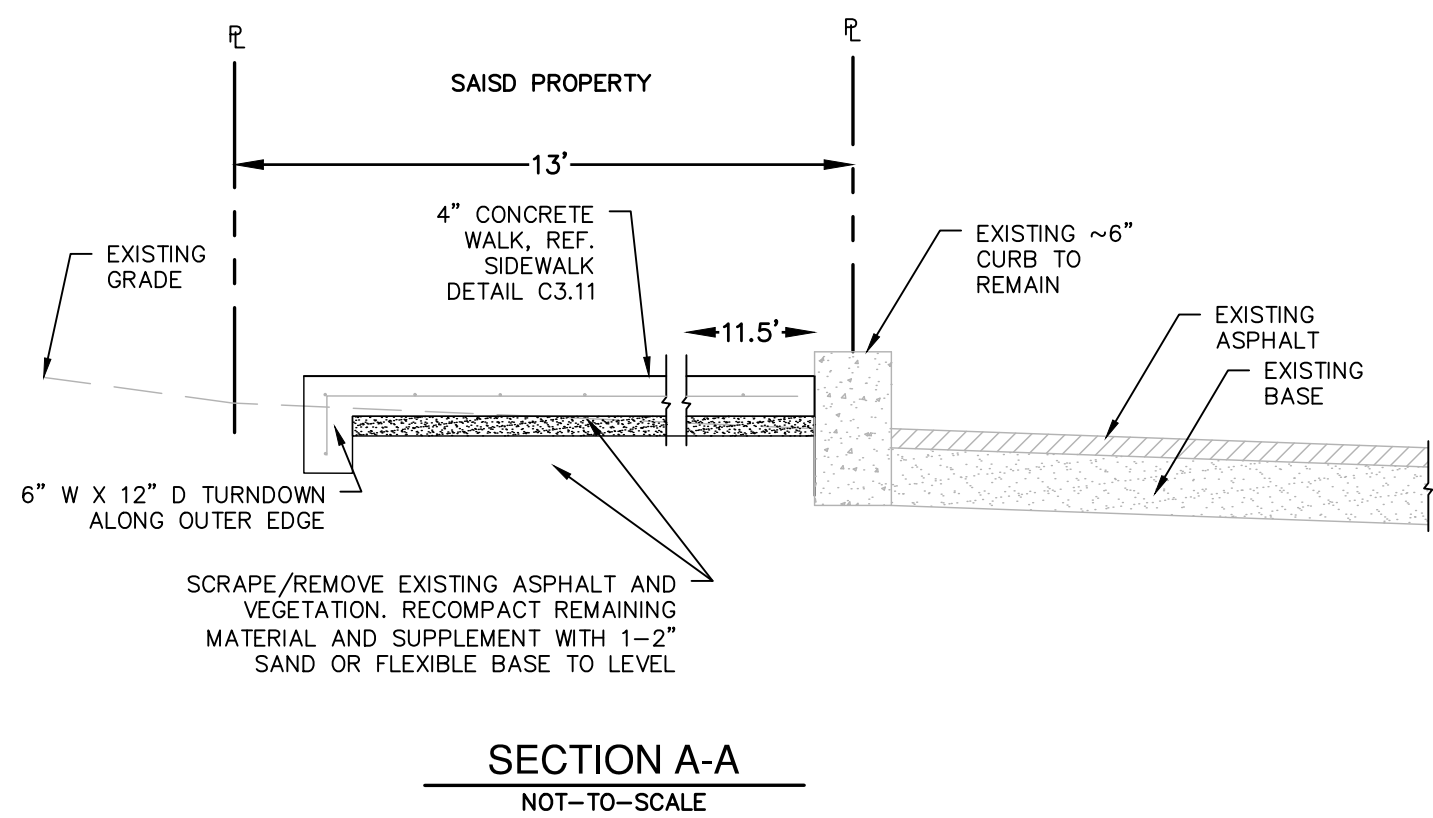
THE ENGINEERING SEAL HAS BEEN AFFIXED TO THIS SHEET ONLY FOR THE PURPOSE OF DEMONSTRATING COMPLIANCE WITH THE TPDES-STORM WATER POLLUTION PREVENTION PLAN (SWP3) REGULATIONS.	
THIS SHEET HAS BEEN PREPARED FOR PURPOSES OF THE SWP3 ONLY. ALL OTHER CIVIL ENGINEERING RELATED INFORMATION SHOULD BE ACQUIRED FROM THE APPROPRIATE SHEET IN THE CIVIL IMPROVEMENT PLANS.	EXHIBIT 3

PAVEMENT NOTES:

1. ALL SUBGRADE PREPARATION & PAVEMENT INSTALLATION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT.
2. THE CONTRACTOR SHALL SAW CUT EXISTING PAVING, CURB, AND SIDEWALKS TO PROVIDE A SMOOTH TRANSITION. NO JAGGED OR IRREGULAR EDGES WILL BE ALLOWED.

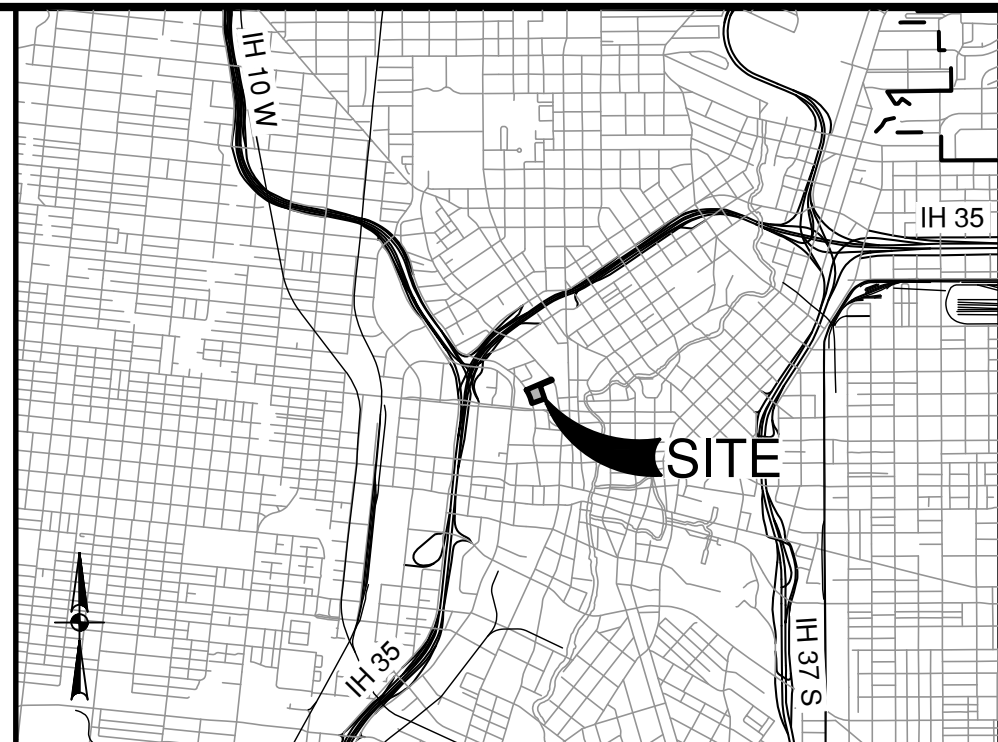
STRIPING/SIGNAGE NOTES:

1. ALL PAINT SHALL BE 4" WIDE REFLECTIVE PAINT UNLESS NOTED OTHERWISE. WHITE ON ASPHALT PAVING AND YELLOW ON CONCRETE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
2. ALL PAVEMENT MARKINGS SHALL RECEIVE TWO COATS OF PAINT.
3. ALL SIGNS SHALL CONFORM TO MUTCD, LATEST EDITION.



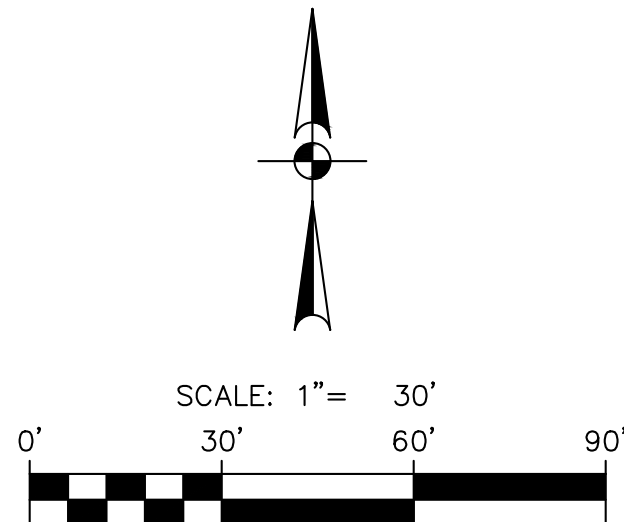
LEGAL DESCRIPTION:

LOT 38, NCB 132
(VOL. 9551, PG. 120 D.P.R.)



LOCATION MAP

NOT-TO-SCALE



LEGEND:

- | | |
|-----------|---|
| --- | PROPERTY LINE |
| [Pattern] | PUBLIC CONCRETE SIDEWALK (REF. C3.11) |
| [Pattern] | COMMERCIAL DRIVE (REF. C3.11) |
| [Pattern] | LIGHT DUTY CONCRETE (REF. C3.10) |
| [Pattern] | CONCRETE FLATWORK PRIVATE PATH (REF. DETAIL THIS SHEET) |
| --- | EXISTING CURB TO REMAIN |
| --- | PROPOSED CURB (SEE DETAIL SHEET C3.10) |
| (12) | PARKING SPACE COUNT |
| --- | CHAIN LINK FENCE |

KEYED NOTES

- | | |
|---|---|
| ① | 4" WHITE STRIPE
9 X 18 PARKING SPACES (TYP.) |
| ② | 2' CURB TRANSITION
(SEE DETAIL SHEET C3.10) |
| ③ | PIPE GATE
(SEE DETAIL SHEET C3.10) |
| ④ | SIDEWALK RAMP @ 12:1 MAX SLOPE
(SEE DETAIL SHEET C3.11) |
| ⑤ | STRIPED ISLAND
(SEE DETAIL SHEET C3.10) |
| ⑥ | MATCH EXISTING GRADE AT JUNCTION |
| ⑦ | CONCRETE COMMERCIAL DRIVEWAY
(SEE DETAIL SHEET C3.11) |
| ⑧ | EXISTING FENCING TO REMAIN (PROTECT) |
| ⑨ | WHEEL STOP
(SEE DETAIL SHEET C3.10) |
| ⑩ | REPLACE CONCRETE SIDEWALK SEGMENT
(SEE DETAIL SHEET C3.11) |
| ⑪ | INSTALL PIPE ARM GATE
(SEE DETAIL SHEET C3.10) |
| ⑫ | CONCRETE THICKENED EDGE
(SEE DETAIL SHEET C3.10) |

DIMENSIONAL CONTROL NOTES:

1. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT OR LIMITS OF DIMENSIONS NECESSARY FOR CONSTRUCTION OF THE PROJECT.
2. THE CONTRACTOR SHALL PRESERVE ALL CONTROL POINTS, PROPERTY PINS, BENCH MARKS, HUBS OR OTHER KEY CONTROL POINTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO RE-ESTABLISH ANY SUCH POINTS AT THEIR OWN EXPENSE IN THE EVENT THEY ARE REMOVED.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ALL HORIZONTAL AND VERTICAL CONTROL PER THE CONSTRUCTION DRAWINGS.
5. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL USE THE PROPERTY PINS FOR HORIZONTAL CONTROL POINTS. BENCHMARKS ARE NOT TO BE USED FOR HORIZONTAL CONTROL.
6. COORDINATES FOR HORIZONTAL CONTROL POINTS ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, NAD 83(96) DISPLAYED IN SURFACE VALUES USING A SURFACE ADJUSTMENT FACTOR FOR EACH COUNTY.
7. BENCHMARK ELEVATIONS ARE BASED ON NAVD 88, GEOID 03.
8. ALL DIMENSIONAL CONTROL POINTS OR DIMENSIONS ARE TO THE FACE OF CURB, FACE OF RETAINING WALL, AND CENTER OF PAINT STRIPING. ALL DIMENSIONS ARE PERPENDICULAR TO THE POINT OF REFERENCE.
9. REFER TO THE ARCHITECTURAL PLANS FOR ADDITIONAL DIMENSIONAL CONTROL INFORMATION.
10. CURB RADII ARE 3' UNLESS OTHERWISE NOTED ON THE DRAWINGS.

GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS/APPROVALS BEFORE BEGINNING CONSTRUCTION. NO WORK SHALL BE PERFORMED IN A PUBLIC RIGHT-OF-WAY WITHOUT A PERMIT.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED TESTING, APPROVALS AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
3. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THIS SCOPE OF WORK SHALL COMPLY WITH THE PROJECT GEOTECH REPORT, THE PROJECT SPECIFICATIONS, THE CURRENT APPLICABLE CITY, COUNTY AND/OR TxDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND WATER AND SEWER PURVEYOR STANDARD SPECIFICATIONS.
4. CONTRACTOR IS RESPONSIBLE FOR RESTORING TO ITS ORIGINAL OR BETTER CONDITION ANY DAMAGE DONE TO EXISTING UTILITIES, FENCES, PAVEMENT, CURBS, DRIVEWAYS, SIDEWALKS, SIGNS OR OTHER ITEMS INTENDED TO REMAIN.
5. CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT, CURBS AND SIDEWALKS AT NEW PAVEMENT, CURB AND SIDEWALK JUNCTURES. NO JAGGED OR IRREGULAR CUTS WILL BE ACCEPTED.
6. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE REVEGETATED AFTER CONSTRUCTION IS COMPLETE. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING VEGETATION IN ALL DISTURBED AREAS BY PERIODIC WATERING OR OTHER APPROVED MEANS. REFERENCE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION.
7. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT OR LIMITS OF ALL ITEMS COVERED WITHIN THE SCOPE OF WORK OF THESE PLANS.
8. THE CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC AND PRIVATE UTILITIES INCLUDING BUT NOT LIMITED TO: WATER, SEWER, TELEPHONE, AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCT BANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHALL BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT 1-800-DIG-TESS A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT THE CONTRACTORS SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.
9. DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, ACCESS MUST BE PROVIDED TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
10. CONTRACTOR SHALL PRESERVE ALL PROPERTY CORNER MONUMENTATION, CONTROL POINTS & BENCHMARKS. IF ANY ARE DESTROYED OR REMOVED BY THE CONTRACTOR OR HIS SUBS OR EMPLOYEES, THEY SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

NOTE: SHADING REFLECTS
FLATWORK AND LANDSCAPE
CURRENTLY PLANNED FOR
PENDING CAMARON STREET
CITY BOND PROJECT



**PAPE-DAWSON
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TBPB FIRM REGISTRATION #470 | TBPFS FIRM REGISTRATION #10028800

FIELDS AND PARKING LOT REVISIONS

SAISD - Temporary Parking Lot

637 N. Main Ave.
San Antonio, Texas 78205

revisions:
HDCR SUBMITTAL 5/25/21 HDCR Review

RVK
interior design
architecture
landscape architecture

745 e mulberry ave suite 601
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web: www.rvk-architects.com

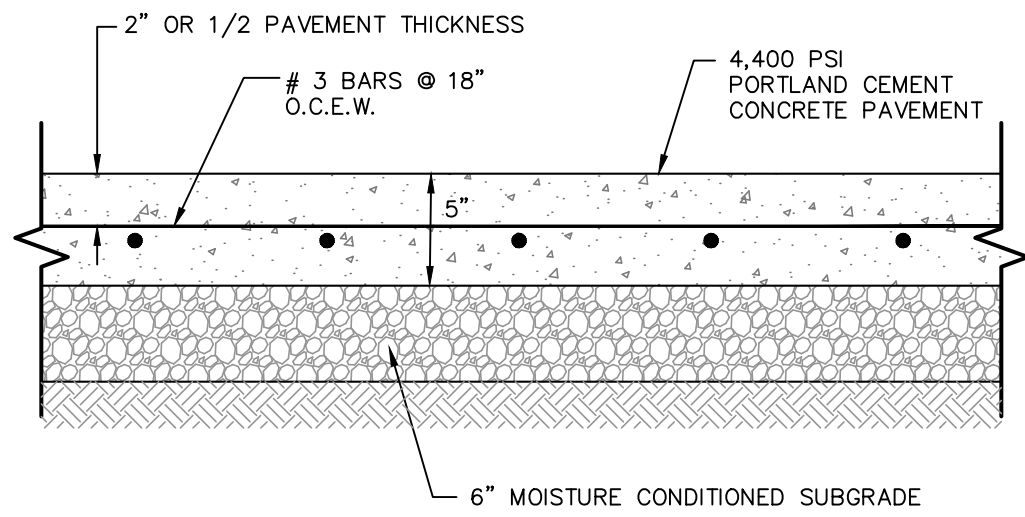
construction documents

C3.00

OVERALL DIMENSIONAL
CONTROL PLAN

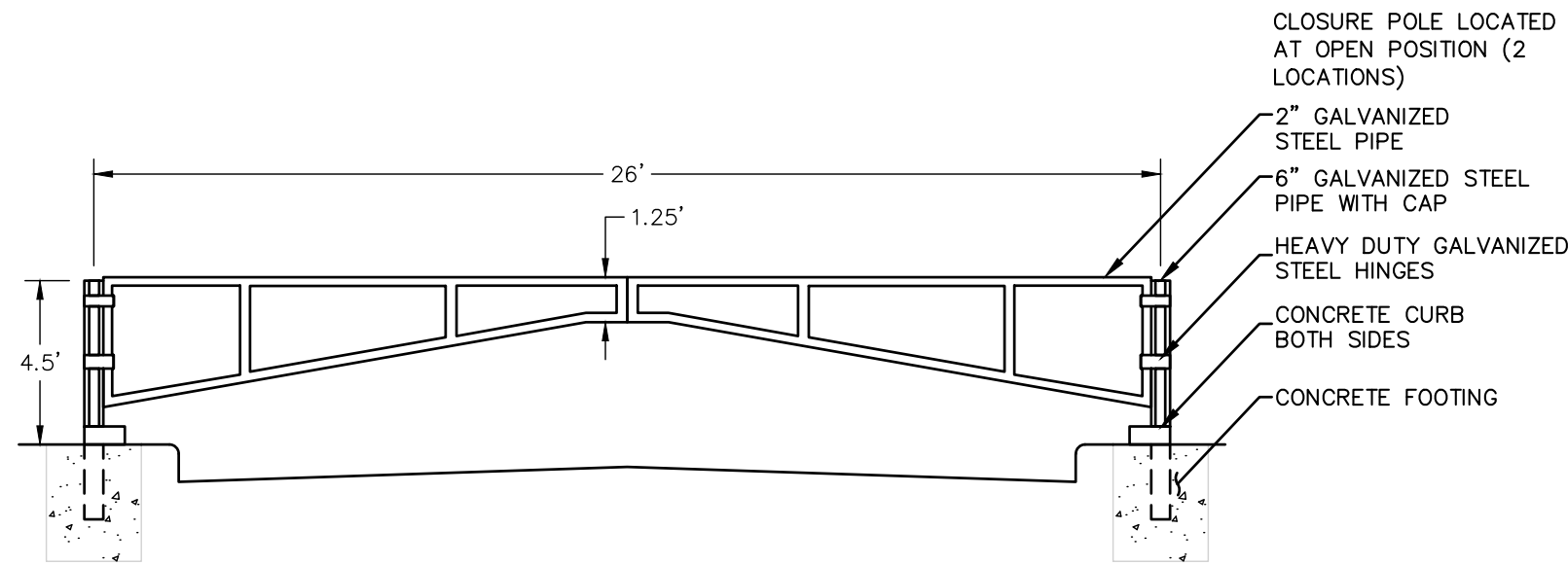
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THIS DOCUMENT HAS BEEN SUBMITTED FOR REVIEW. THIS AND OTHERS HAVE BEEN TRANSMITTED ELECTRONICALLY AND MAY HAVE BEEN MODIFIED IN THE FIELD. SEE THE FIELD RECORD FOR THE LATEST REVISIONS. THIS DOCUMENT IS THE PROPERTY OF THE ENGINEER AND SHALL BE KEPT IN THE OFFICE OF THE ENGINEER.



CONCRETE PAVEMENT SECTION

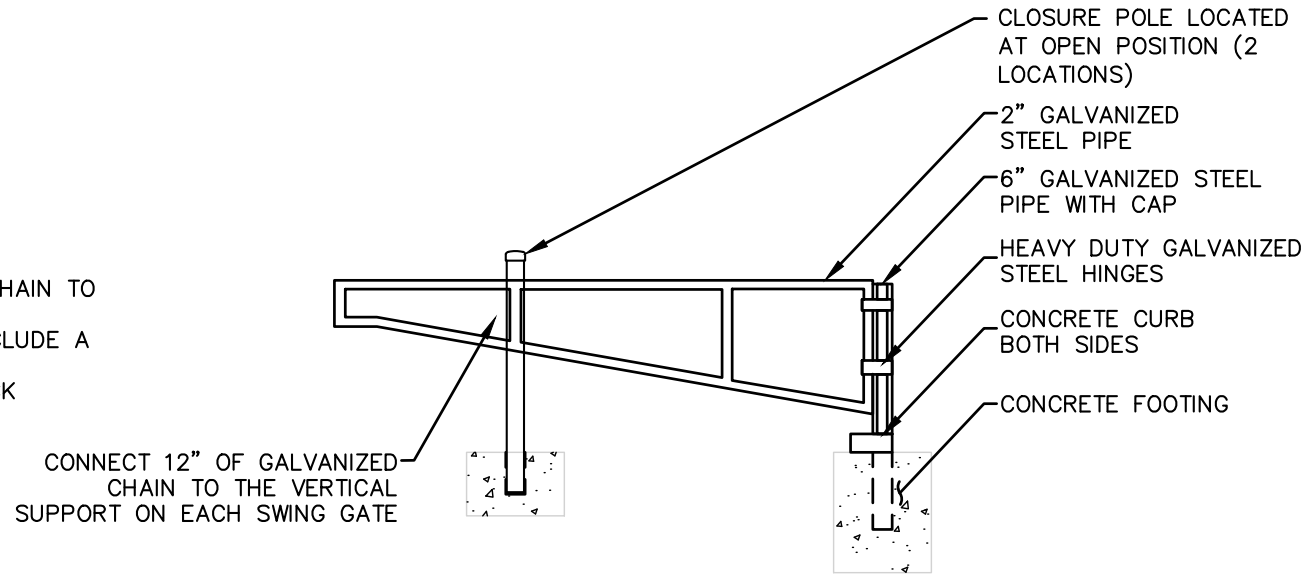
REFERENCE GEOTECHNICAL ENGINEERING REPORT PREPARED BY RABA-KISTNER (PROJECT NO. ASA18-090-00, FEBRUARY 14, 2019) FOR PAVEMENT MATERIALS AND CONSTRUCTION REQUIREMENTS. CONTRACTOR SHALL MEET OR EXCEED ALL PAVING RECOMMENDATIONS.



METAL SWING GATE CLOSED

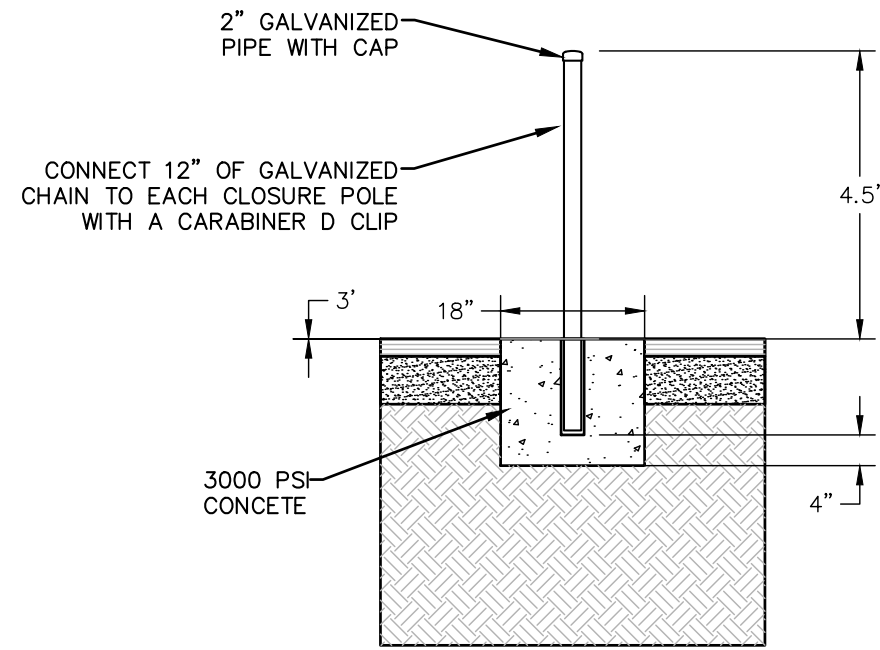
NOT TO SCALE

NOTE:
CONNECT 12" OF GALVANIZED CHAIN TO EACH END OF THE SWING GATE. ONE PIECE OF CHAIN SHALL INCLUDE A CARABINER D CLIP. GATE SHALL INCLUDE KNOX LOCK.



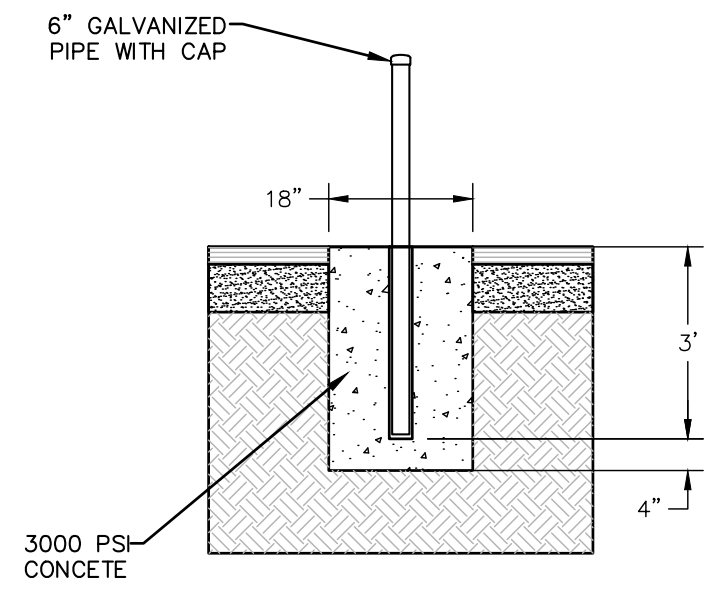
METAL SWING GATE OPEN

NOT TO SCALE



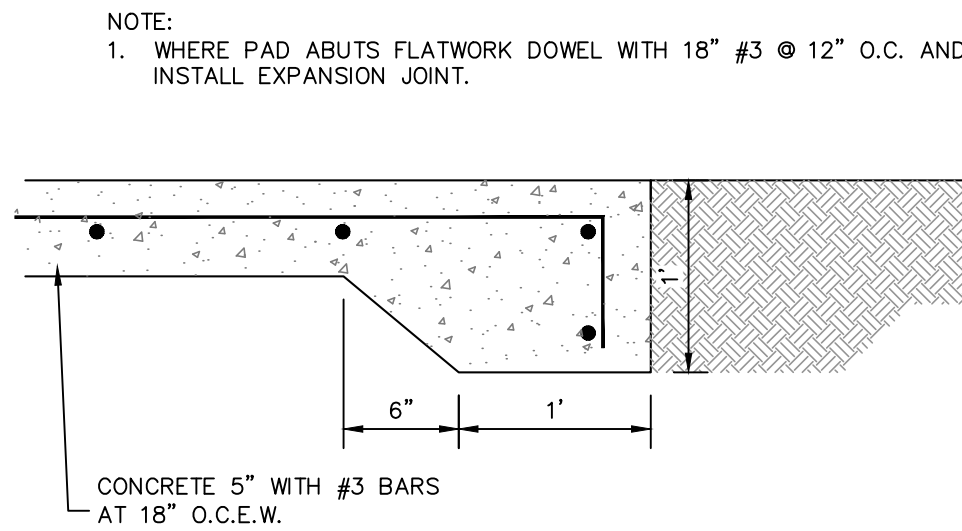
CLOSURE POLE DETAIL

NOT TO SCALE



GATE CONCRETE FOOTING

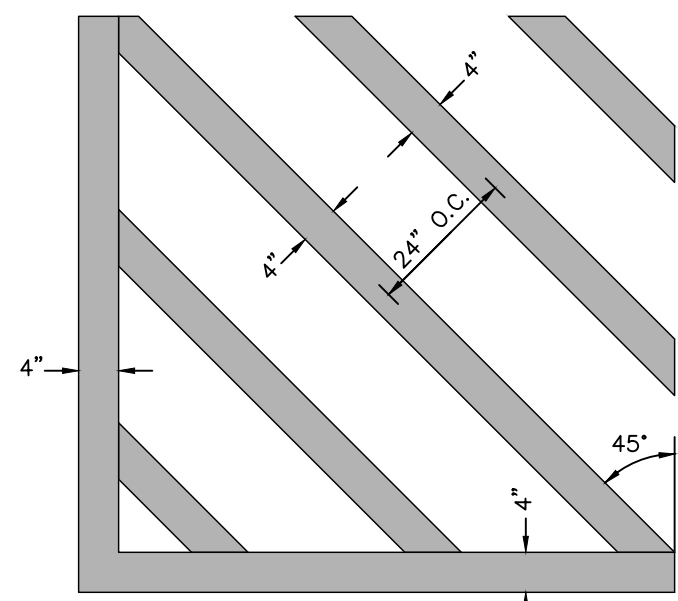
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CONCRETE THICKENED EDGE

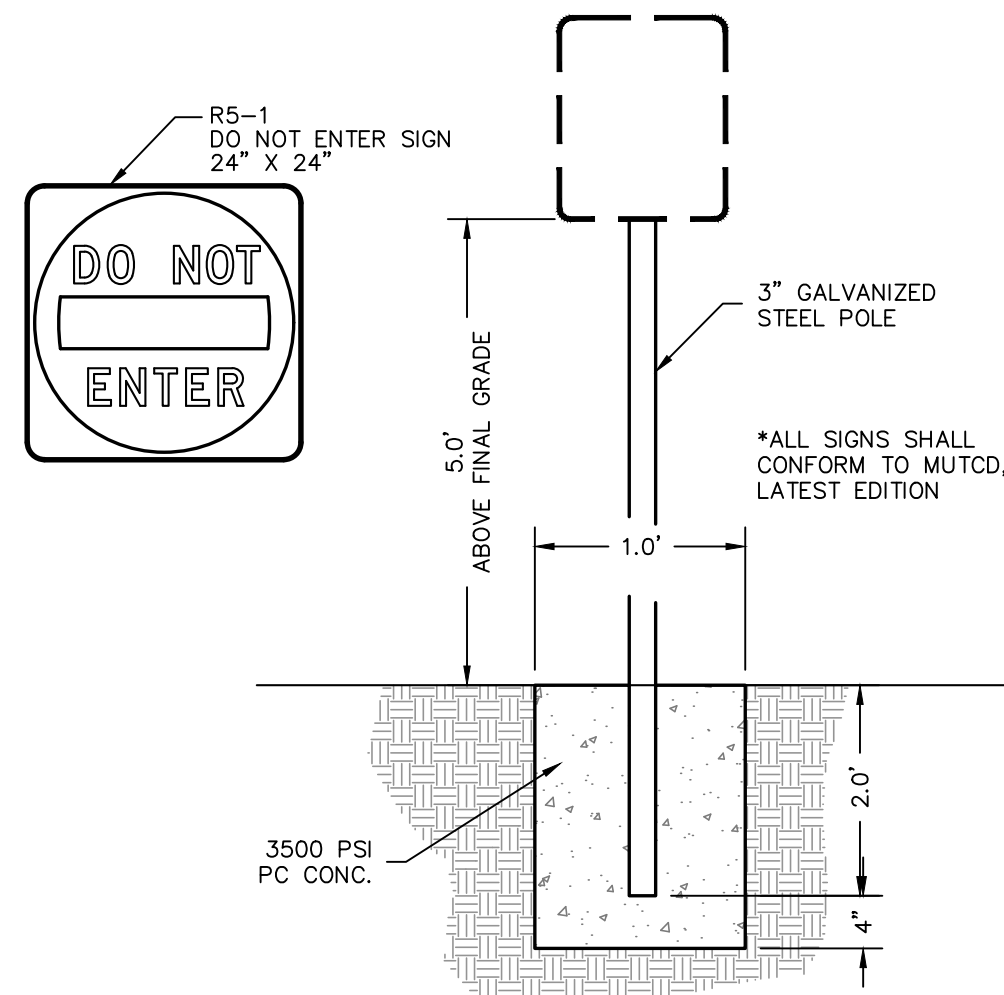
NOT-TO-SCALE

- NOTES:
1. ALL PAINT SHALL BE 4" WIDE REFLECTIVE PAINT: WHITE ON ASPHALT PAVING AND YELLOW ON CONCRETE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 2. ALL PAVEMENT MARKINGS SHALL BE PAINTED TWICE.



STRIPED ISLAND DETAIL

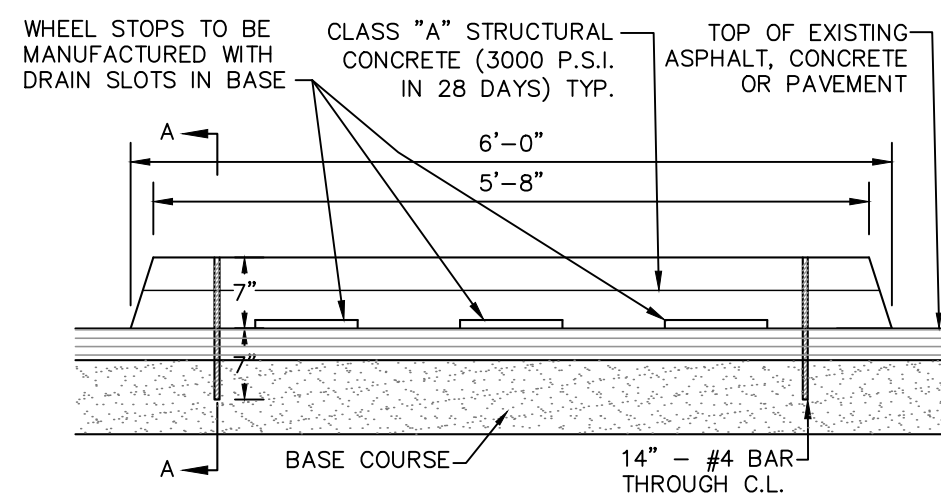
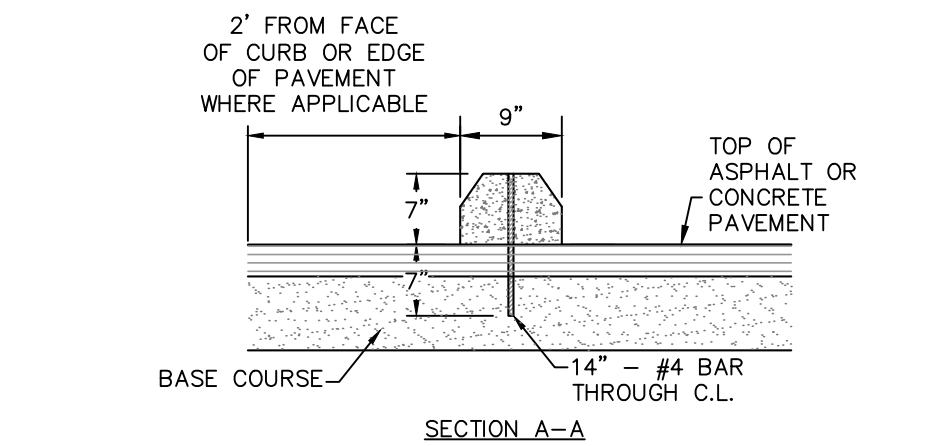
NOT TO SCALE



- NOTES:
1. SIGN TYPES AND LOCATION ARE SHOWN ON SITE PLAN SHEET.
 2. SIGN TO BE ATTACHED TO STEEL POLE BY MINIMUM OF 2 GALVANIZED STEEL BOLTS SPACED AT 1/4 POINTS OF SIGN WIDTH. BOLT SHALL BE 5/16"x4" WITH GALVANIZED STEEL SELF LOCKING HEX NUT, PLASTIC OR NYLON WASHER SHALL BE USED BETWEEN BOLT & SIGN FACE.

TRAFFIC SIGN AND FOUNDATION DETAIL

NOT-TO-SCALE



NOTE: SEE PAVING PLAN FOR LOCATION OF WHEEL STOPS

SLOTTED - WHEEL STOP DETAIL

NOT-TO-SCALE

SEE SHEET C3.11 FOR DETAILS
USED IN PUBLIC R.O.W.

**PAPE-DAWSON
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TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

project no. 16127.A
5/25/21
SHAUNA L. WEAVER
89512
PROFESSIONAL ENGINEER
Shauna L. Weaver

FIELDS AND PARKING LOT REVISIONS

SAISD - Temporary Parking Lot

637 N. Main Ave.
San Antonio, Texas 78205

revisions:
HDCR SUBMITTAL 5/25/21 HDCR Review 5/25/21

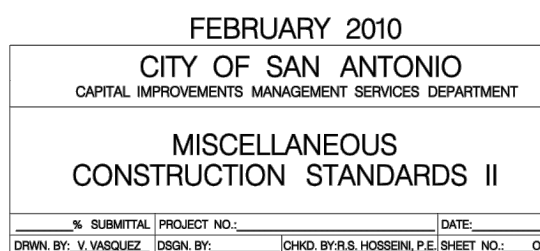
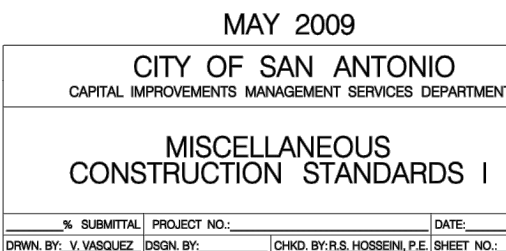
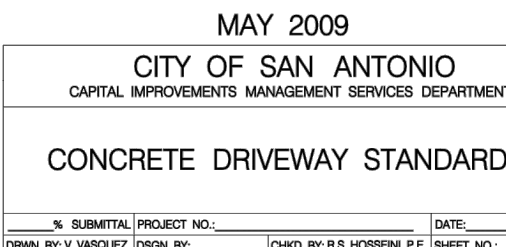
RVK
RVK
interior design
landscape architecture
architecture

745 e mulberry ave suite 601
san antonio texas 78212
telephone: 210.733.3535
web: www.rvk-architects.com

construction documents

C3.10

SITE
DETAILS



**PAPE-DAWSON
ENGINEERS**

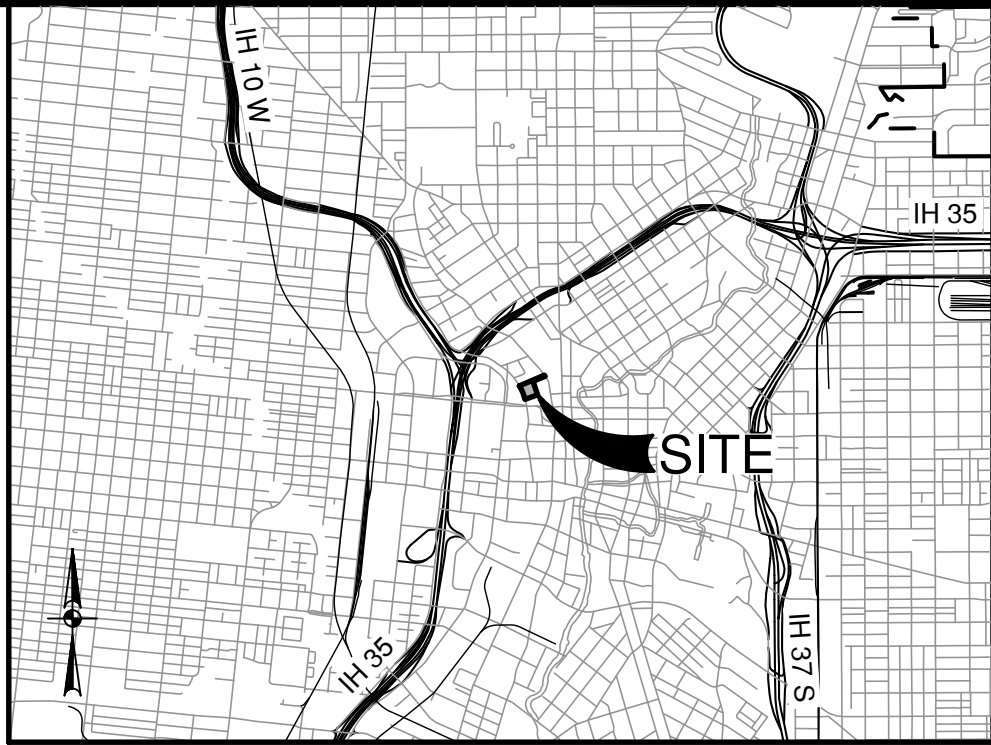
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GENERAL NOTES:

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9. DUE TO FEDERAL REGULATIONS TITLE 49, PART 192.181, ACCESS MUST BE PROVIDED TO GAS VALVES AT ALL TIMES. THE CONTRACTOR MUST PROTECT AND WORK AROUND ANY GAS VALVES THAT ARE IN THE PROJECT AREA.
10. CONTRACTOR SHALL PRESERVE ALL PROPERTY CORNER MONUMENTATION, CONTROL POINTS & BENCHMARKS. IF ANY ARE DESTROYED OR REMOVED BY THE CONTRACTOR OR HIS SUBS OR EMPLOYEES, THEY SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.

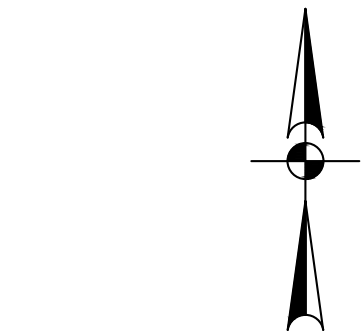
LEGAL DESCRIPTION:

LOT 38, NCB 132
(VOL. 9551, PG. 120 D.P.R.)



LOCATION MAP

NOT-TO-SCALE



SCALE: 1"= 30'
0' 30' 60' 90'

LEGEND:

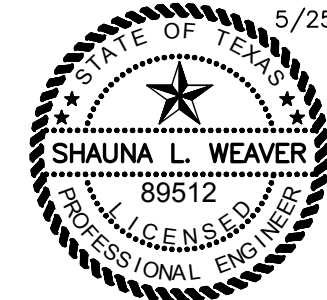
- | | |
|------------------|--|
| --- | PROPERTY LINE |
| - - - 650 - - - | EXISTING CONTOURS |
| --- 650 --- | PROPOSED CONTOURS |
| + 650.75 | PROPOSED SPOT ELEVATION |
| + 650.100 | EXISTING SPOT ELEVATION |
| → | FLOW ARROW |
| - - - - - | PROPOSED SWALE |
| - - - HIGH - - - | PROPOSED HIGH POINT |
| --- | EXISTING CURB TO REMAIN |
| - - - - - | EFFECTIVE (EXISTING) FEMA 1% ANNUAL CHANCE 100 YR FLOODPLAIN |

GRADING NOTES:

1. SITE PREPARATION, GRADING, EXCAVATION AND FILL SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT AND SPECIFICATIONS.
2. ALL SELECT FILL MATERIAL PROVIDED SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING AND COMPACTING.
3. ALL ELEVATIONS AND PROPOSED CONTOURS SHOWN ON THIS GRADING PLAN REFLECT FINISHED GRADES. THE THICKNESS OF PAVING, BASE, GRASS, TOPSOIL, AND MULCH MUST BE SUBTRACTED TO OBTAIN SUBGRADE ELEVATIONS.
4. BENCHMARK ELEVATIONS ARE BASED ON NAVD 88, GEOID 03.
5. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT, OR LIMITS OF DIMENSIONS OR GRADES NECESSARY FOR CONSTRUCTION OF THIS PROJECT.
6. THE CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
7. THE CONTRACTOR SHALL REMOVE TOP SOIL, GRASS, ROOTS, DEBRIS, ETC. AND DISPOSE OFF SITE THOSE MATERIALS NOT SUITABLE FOR EMBANKMENT AND TOPSOIL. CLEAN STRIPPINGS AND TOPSOIL MAY BE STOCKPILED ON SITE FOR REUSE IN A LOCATION SPECIFIED BY THE OWNER.
8. THE SITE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE STABILIZATION. ALL DISTURBED AREAS SHALL BE REVEGETATED IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND TPDES/SWPPP REQUIREMENTS. REFERENCE THE LANDSCAPE ARCHITECT'S PLAN, IF APPLICABLE.
9. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS (USE OF SILT FENCES, ETC.) TO KEEP DRAINAGE AND SILT FROM WASHING ONTO ADJACENT PROPERTY, STREETS, OR DRAINAGE WAYS. CONTRACTOR SHALL IMMEDIATELY REMOVE SILT/DEBRIS WHICH WASHES OFFSITE OR INTO EXISTING STORM DRAIN SYSTEMS. (SEE SWPPP PLANS & TPDES BOOK).
10. IN PROPOSED PAVING AREAS, IT IS INTENDED THAT THE MINIMUM GRADE IS 1.0%. ALL EARTHEN SLOPES SHALL BE A MAXIMUM OF 3:1 AND A MINIMUM OF 2.0% UNLESS OTHERWISE SHOWN.
11. THE CONTRACTOR SHALL PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING SITE AND PROPOSED IMPROVEMENTS.
12. UTILITIES SHOWN ON THE PLANS ARE FROM INFORMATION SOURCES AVAILABLE AT THE TIME OF DESIGN BUT MAY NOT REPRESENT ALL EXISTING UTILITIES ON SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL UTILITIES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES PRIOR TO CONSTRUCTION AND VERIFY SIZE, GRADE AND LOCATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DEVIATIONS FROM PLANS PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR, AT HIS OWN EXPENSE.
13. POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE SCOPE OF THE PROJECT. DRAINAGE SHALL BE DIRECTED AWAY FROM ALL BUILDING FOUNDATIONS. CONTRACTOR SHOULD TAKE PRECAUTIONS NOT TO ALLOW ANY PONDING OF WATER AND NOT TO BLOCK DRAINAGE FROM ADJACENT PROPERTY.
14. FOR FILL PLACEMENT ON HILL SIDES OR STEEP SLOPE AREAS, THE CONTRACTOR SHALL REFERENCE THE PROJECT SPECIFICATIONS AND GEOTECHNICAL REPORT FOR SPECIAL INSTRUCTIONS REGARDING BENCHING.
15. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ALL GRADES ON SITE MEET ADA AND TAS STANDARDS WHICH INCLUDE BUT ARE NOT LIMITED TO:
 - A. SIDEWALKS AND ACCESSIBLE ROUTES TO BE AT 2% MAX CROSS SLOPE AND 5% MAX RUNNING SLOPE EXCEPT WHERE SPECIFICALLY NOTED OTHERWISE.
 - B. ACCESSIBLE PARKING SPACES SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.
 - C. CURB RAMPS SHALL NOT EXCEED 6" IN VERTICAL DIFFERENCE AND SLOPE SHALL BE NO MORE THAN 12:1.
16. TOP OF CURBS ADJACENT TO CURB RAMPS SHALL BE TAPERED TO BE FLUSH WITH RAMP SURFACE.

TRENCH EXCAVATION SAFETY PROTECTION:

CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.



Shauna L. Weaver

FIELDS AND PARKING LOT REVISIONS

SAISD - Temporary Parking Lot

637 N. Main Ave.
San Antonio, Texas 78205

revisions:

5/25/21 HDRC Review

RVK
landscape architecture
interior design
architecture

745 e mulberry ave suite 601
san antonio texas 78212
telephone: 210.733.3535
web: www.rvk-architects.com

construction documents

C4.00

OVERALL
GRADING PLAN

PAPE-DAWSON
ENGINEERS

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLAS
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TBPLS FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028800

1. BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE, WITH AMMENDMENTS ADOPTED BY THE CITY OF SAN ANTONIO.
2. STRUCTURAL CONCRETE: "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-11)," THE AMERICAN CONCRETE INSTITUTE.

1. THE CONTRACTOR SHALL REVIEW SHOP DRAWINGS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS AND SHALL CERTIFY THAT HE HAS DONE SO BY A STAMP NOTING THAT THE DRAWINGS HAVE BEEN "APPROVED" AND WHICH BEARS THE SIGNATURE OF AN AUTHORIZED REPRESENTATIVE OF THE CONTRACTOR AND THE DATE. SUBMITTALS WHICH DO NOT REFLECT THE CONTRACTOR'S APPROVAL, SIGNATURE AND DATE WILL BE RETURNED WITHOUT REVIEW.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DELAYS CAUSED BY REJECTION OF INADEQUATE OR INCORRECT SHOP DRAWINGS.
3. WHERE REVIEW AND RETURN OF SHOP DRAWINGS IS REQUIRED OR REQUESTED, THE ENGINEER WILL REVIEW EACH SUBMITTAL AND, WHERE POSSIBLE, RETURN WITHIN TWO WEEK(S) OF RECEIPT.
4. CORRECTIONS OR COMMENTS ON SHOP DRAWINGS OR MANUFACTURERS' DATA SHEETS DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE PLANS AND SPECIFICATIONS. THE ENGINEER'S REVIEW IS ONLY FOR GENERAL CONFORMANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRECTING ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATING HIS WORK WITH THAT OF ALL OTHER CONTRACTORS AND PERFORMING HIS WORK IN A SAFE AND SATISFACTORY MANNER.

1. PERIODIC SITE OBSERVATIONS BY THE ENGINEER OF RECORD ARE SOLELY FOR THE PURPOSE OF DETERMINING GENERAL CONFORMANCE WITH THE CONTRACT DOCUMENTS. THOSE LIMITED OBSERVATIONS ARE NOT A SUBSTITUTE FOR INSPECTIONS AND TESTING PERFORMED BY THE OWNER'S QUALIFIED, INDEPENDENT TESTING LABORATORY, NOR ARE THEY INTENDED TO IDENTIFY ALL DEFECTS AND DEFICIENCIES IN THE WORK BY THE CONTRACTOR. THOSE OBSERVATIONS DO NOT FULFILL ANY PART OF THE SPECIAL INSPECTIONS REQUIREMENTS GIVEN IN THE SPECIFICATIONS. THE DESIGNATED SPECIAL INSPECTOR IS SOLELY RESPONSIBLE FOR FULFILLING THE SPECIAL INSPECTION REQUIREMENTS AS OUTLINED HERE AND DEFINED IN THE SPECIFICATIONS.
2. ITEMS OF STRUCTURAL CONSTRUCTION WHICH REQUIRE SPECIAL INSPECTION INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
 - INSTALLATION OF DRILLED CONCRETE PIERS AND FOOTINGS
 - PLACEMENT OF STRUCTURAL CONCRETE
 - PLACEMENT OF CONCRETE REINFORCING
 - PLACEMENT OF ANCHOR BOLTS PLACED IN CONCRETE OR MASONRY
3. ARCHITECTURAL, MECHANICAL, AND ELECTRICAL COMPONENTS REQUIRING SPECIAL INSPECTIONS PER SECTION 1705 OF THE IBC HAVE NOT BEEN LISTED HERE. REFER TO ARCH/MEP FOR SPECIAL INSPECTION REQUIREMENTS FOR THESE COMPONENTS.

1. ALL REQUESTS FOR SUBSTITUTIONS OF MATERIALS OR DETAILS SHOWN IN THE CONTRACT DOCUMENTS SHALL BE SUBMITTED FOR APPROVAL DURING THE BIDDING PERIOD. ONCE BIDS ARE ACCEPTED, PROPOSED SUBSTITUTIONS WILL BE CONSIDERED ONLY WHEN THEY ARE OFFICIALLY SUBMITTED WITH AN IDENTIFIED SAVINGS TO BE DEDUCTED FROM THE CONTRACT.

1. PROVIDE CONCRETE HAVING THE FOLLOWING GENERAL CHARACTERISTICS:					
	28-DAY			MAX.	
	STRENGTH	SLUMP	AGG.	SIZE	
CLASS	(PSI)	(IN)	TYPE	(IN.)	USAGE
A	3000	4-6	HDRK	1 1/2	DRILLED PIERS WITHOUT CASING

2. WORKABILITY ADMIXTURES MAY BE UTILIZED, PROVIDED THAT BATCH PROPORTIONS ARE DETERMINED IN THE MANNER DESCRIBED IN THE SPECIFICATIONS.
3. FLY ASH WILL NOT BE PERMITTED IN ARCHITECTUREALLY EXPOSED CONCRETE. FLY ASH MAY BE USED ELSEWHERE, WITHIN THE SPECIFIED PROPORTION LIMITS, BUT THE CONTRACTOR SHALL FIRST VERIFY COMPATIBILITY WITH CURING COMPOUNDS, SEALERS, BOND BREAKER, FLOORING ADHESIVES AND OTHER MATERIALS PROPOSED TO BE IN CONTACT WITH THE CONCRETE.
4. USE OF ACCELERATING OR SET-RETARDING ADMIXTURES REQUIRES PRIOR APPROVAL OF THE ARCHITECT. IN GENERAL, USE OF CALCIUM CHLORIDE WILL NOT BE PERMITTED.
5. CEMENT SHALL BE TYPE I OR TYPE III (ASTM C 150).
6. SLUMP LIMITS APPLY AT THE TRUCK AT THE TIME OF DISCHARGE EXCEPT THAT PUMPED CONCRETE SHALL BE SAMPLED AT THE DISCHARGE END OF THE HOSE. WHEN A SUPERPLASTICIZER IS USED, THE SLUMP SHALL BE MEASURED AT THE TRUCK BEFORE INTRODUCING THE SUPERPLASTICIZER. STRENGTH TESTS SHALL BE MADE ON CONCRETE AS PLACED WITH ALL ADDITIVES.

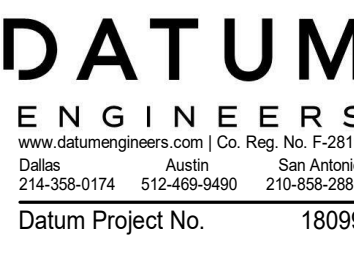
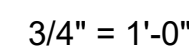
1. SUBMIT A DIAGRAM OF ALL PROPOSED CONSTRUCTION JOINTS WHICH ARE NOT SPECIFICALLY SHOWN ON THESE DRAWINGS.
2. SLEEVES, MECHANICAL OPENINGS, CONDUITS, PIPES, RECESSES, DEPRESSIONS, CURBS AND ALL EMBEDDED ITEMS SHALL BE PROVIDED FOR AS SHOWN ON THE ARCHITECTURAL AND MECHANICAL DRAWINGS AND AS REQUIRED BY EQUIPMENT MANUFACTURERS. MINIMUM CONCRETE BETWEEN SLEEVES SHALL BE 6". INSTALLATION OF THESE ITEMS SHALL BE COORDINATED WITH SHOP DRAWINGS OF TRADES REQUIRING THESE ITEMS.
3. ALL CONDUITS AND PIPES EMBEDDED IN CONCRETE SHALL COMPLY WITH ALL PROVISIONS SPECIFIED IN ACI 318, SECTION 6.3, WITH THE FOLLOWING SPECIFIC REQUIREMENTS:
 - A. THE MAXIMUM OUTSIDE DIAMETER OF THE CONDUITS AND PIPES SHALL BE 1 1/2". NONE PERMITTED IN SLABS THINNER THAN 4 1/2".
 - B. THE MINIMUM CLEAR DISTANCE BETWEEN CONDUITS AND PIPES SHALL BE 6". DO NOT DISPLACE REINFORCING STEEL FROM ITS PROPER POSITION.

1. DEFERRED SUBMITTALS TO BE REVIEWED BY DATUM ENGINEERS, INC. FOLLOWED BY STRUCTURAL OBSERVATIONS AND/OR DIRECTIONS FOR SPECIAL INSPECTIONS DURING CONSTRUCTION:
SP JOISTS
PREFABRICATED CANOPY
2. DEFERRED SUBMITTALS WHICH WILL NOT BE REVIEWED BY DATUM ENGINEERS, INC.:
NONE

1. REINFORCING STEEL SHALL BE NEW OR RECYCLED DOMESTIC DEFORMED BILLET STEEL, CONFORMING TO ASTM A 615, GRADE 60.
2. REINFORCING STEEL SHOWN IN SECTIONS OF BEAMS, WALLS AND COLUMNS IS SCHEMATIC INDICATION THAT REINFORCING EXISTS. SEE SCHEDULES, SECTION NOTES, AND GENERAL NOTES FOR ACTUAL REINFORCING REQUIRED.
3. DETAIL REINFORCING BARS AND PROVIDE BAR SUPPORTS AND SPACERS IN ACCORDANCE WITH THE ACI DETAILING MANUAL.
5. WHERE BAR TYPES FROM THE BAR BENDING DIAGRAM ARE SPECIFIED, PROVIDE BARS ACCORDINGLY. OTHERWISE, DETAIL BARS IN BEAMS, COLUMNS, SLABS, AND WALLS AS FOLLOWS:
 - A. SPLICE VERTICAL BARS IN COLUMNS ONLY AT FLOOR LINES, UNLESS NOTED OTHERWISE. COLUMN BAR SPLICES SHALL BE 66 BAR DIAMETERS, MINIMUM, UNLESS SCHEDULED OR DETAILED OTHERWISE.
 - B. PLACE A COLUMN TIE 3" ABOVE THE TOP OF THE FOUNDATION OR INTERSECTING SLAB AT ANY LEVEL AND 3" BELOW THE LOWEST HORIZONTAL REINFORCING IN THE SLAB OF THE FLOOR OR ROOF FRAMING ABOVE AND SPACE TIES AS REQUIRED IN BETWEEN. WHERE BEAMS FRAME FROM FOUR DIFFERENT DIRECTIONS INTO A COLUMN, TIES MAY BE TERMINATED WITHIN THE FLOOR FRAMING 3" BELOW THE LOWEST HORIZONTAL REINFORCING IN THE SHALLOWEST BEAM. TOP OF COLUMNS SUPPORTING STRUCTURAL STEEL SHALL HAVE 3 TIES AT 3" O.C. STARTING 3" BELOW THE TOP OF THE COLUMN.
6. CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS, MEASURED TO NEAREST BAR, STIRRUP OR TIE:
 - B. AT FORMED FACES OF BEAMS, COLUMNS AND WALLS EXPOSED TO RAIN OR IN CONTACT WITH THE GROUND: 2"
 - D. AT FORMED FACES OF COLUMNS NOT EXPOSED TO RAIN OR SOIL: 1 3/4".
7. MAINTAIN THE SPECIFIED COVER DIMENSION WITHIN A TOLERANCE OF PLUS OR MINUS 3/8" EXCEPT FOR SOIL-FORMED MEMBERS, WHERE 5/8" TOLERANCE IS PERMITTED. EXTRA COVER WEAKENS THE MEMBER AND REDUCED COVER LEADS TO CORROSION.

1. DEAD LOADS INCLUDE THE WEIGHT OF THE STRUCTURAL COMPONENTS AND ALLOWANCES FOR PERMANENT PARTITIONS, PERMANENT FIXTURES, FINISHES, ROOFING, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION MATERIALS SHOWN OR SPECIFIED.

2. <u>DESIGN LIVE LOADING IS AS FOLLOWS:</u>	
ROOF	20 PSF
3. LIVE LOAD REDUCTIONS, WHERE PERMISSIBLE, ARE COMPUTED IN ACCORDANCE WITH THE BUILDING CODE.	
4. <u>DESIGN WIND LOADING IS AS FOLLOWS:</u>	
WIND DESIGN OPTION	METHOD 2 - ANALYTICAL PROCEDURE
BASIC WIND SPEED (3-SECOND GUST)	120 MPH
WIND RISK CATEGORY	III
EXPOSURE CATEGORY	B
INTERNAL PRESSURE COEFFICIENT	+/- 0.18
LOW ROOF LOADS (NET-INCLUDING INTERNAL PRESSURE)	
INTERIOR ZONES-MORE THAN 7.5' FROM EDGE, HIP, OR RIDGE (ZONE 1)	(10 SQ.FT., 100 SQ.FT.)
END ZONES-WITHIN 7.5' OF EDGE, HIP, OR RIDGE (ZONE 2)	-28 PSF, -24 PSF
CORNER ZONES-WITHIN 7.5' OF CORNER (ZONE 3)	-44 PSF, -28 PSF
CURT. AIRWALL DESIGN PRESSURE/SUCTION	-65 PSF, -28 PSF
INTERIOR ZONE (ZONE 4)	(10 SQ.FT., 100 SQ.FT.)
EXTERIOR ZONE (ZONE 5)	+26/-28 PSF, +22/-24 PSF
	+26/-35 PSF, +22/-27 PSF
HIGH ROOF LOADS (NET-INCLUDING INTERNAL PRESSURE)	
INTERIOR ZONES-MORE THAN 7.5' FROM EDGE, HIP, OR RIDGES (ZONE 1)	(10 SQ.FT., 100 SQ.FT.)
END ZONES-WITHIN 7.5' OF EDGE, HIP, OR RIDGE (ZONE 2)	-28 PSF, -26 PSF
CORNER ZONES-WITHIN 15' OF CORNER (ZONE 3)	-47 PSF, -31 PSF
CURTAINWALL DESIGN PRESSURE/SUCTION	-71 PSF, -31 PSF
INTERIOR ZONE (ZONE 4)	(10 SQ.FT., 100 SQ.FT.)
EXTERIOR ZONE (ZONE 5)	+28/-31 PSF, +24/-26 PSF
POSITIVE PRESSURE INDICATES PRESSURE TOWARD THE BUILDING	+28/-38 PSF, +24/29 PSF
INTERIOR PRESSURE ON STRUCTURAL ELEMENTS ON CANOPIES AND OVERHANGS	10 PSF
ON OVERHANGS: COMBINE WALL AND ROOF PRESSURES AT APPLICABLE ZONES	
ON DETACHED RIGID CANOPIES	(10 SQ.FT., 100 SQ.FT.)
INTERIOR ZONE (MORE THAN 3' FROM EDGE	+18/-17, +18/-17 PSF
SECONDARY PERIMETER MORE THAN 3' FROM EDGE PERIMETER, WITHIN 3' OF EDGE	+27/-26, +18/-17 PSF
	+36/-50, +18/-17 PSF
5. <u>SEISMIC DESIGN DATA (IBC):</u>	
SEISMIC IMPORTANCE FACTOR	1.25
OCCUPANCY CATEGORY	III
MAPPED SPECTRAL RESPONSE ACCELERATIONS, SS & S1	0.078/0.031
SITE CLASS	D
SPECTRAL RESPONSE COEFFICIENTS SDS /SD1	0.0624/0.03513
SEISMIC DESIGN CATEGORY	A
BASIC SEISMIC-FORCE-RESISTING SYSTEM	ORDINARY C.B.F.
DESIGN BASE SHEAR	15.0
SEISMIC RESPONSE COEFFICIENT, CS	0.010
RESPONSE MODIFICATION FACTOR, R	3.25
ANALYSIS PROCEDURE USED	SDC-A
DEFLECTION AMPLIFICATION FACTOR	3.25
6. <u>SNOW LOADING (ASCE 7, SECTION 7):</u>	
GROUND SNOW LOAD	5 PSF



SAISD - Temporary Parking Lot
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San Antonio, Texas 78205

revision	date
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AK

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CONSTRUCTION
DOCUMENTS

S100

TEMP PARKING

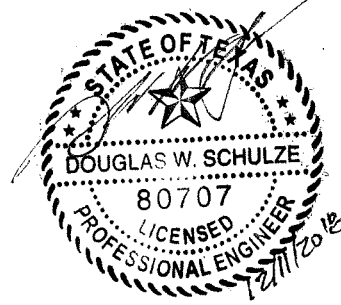
ELECTRICAL SYMBOLS & ABBREVIATIONS

[SOME SYMBOLS MAY NOT BE USED ON THIS PROJECT]



1917 N. New Braunfels Avenue
Suite 201
San Antonio, TX 78208
(210)224-8841, (210)224-8824 FAX
TBPE REGISTRATION No.
:F-7964

project no. 16127.A

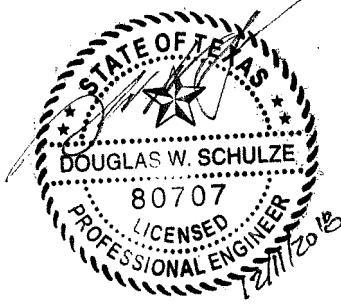


SYMBOL	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	GENERAL NOTES	LIGHTING GENERAL NOTES
<u>GENERAL</u>						<div>1. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS AND REVIEW ALL RELATED DRAWINGS AND SPECIFICATIONS PRIOR TO BID.</div> <div>2. THE DRAWINGS ARE DIAGRAMMATICAL. CONTRACTOR SHALL VERIFY FIELD CONDITIONS AND DETERMINE CONDUIT ROUTING AND EXACT LOCATIONS OF EQUIPMENT AND DEVICES. NOTIFY THE ARCHITECT/ENGINEER IF THE APPROXIMATE CONDUIT ROUTING SHOWN ON PLANS IS NOT FEASIBLE. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO ROUGH-IN.</div> <div>3. LOCATIONS OF DEVICES ARE DIAGRAMMATICAL. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO ROUGH-IN.</div> <div>4. PROVIDE LISTED FIRE-STOP AND CAULKING TO MAINTAIN INTEGRITY OF RATED WALLS AT ALL RACEWAY AND CABLE TRAY PENETRATIONS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF RATED WALLS.</div> <div>5. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE CURRENT ISSUE OF THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL CODES. ALL SYSTEMS SHALL BE INSTALLED IN A WORKMANLIKE MANNER IN ACCORDANCE WITH APPLICABLE STANDARDS AND SPECIFICATIONS APPROVED BY ALL AUTHORITIES HAVING JURISDICTION.</div> <div>6. PROVIDE A TYPED PANEL DIRECTORY FOR EACH NEW OR MODIFIED ELECTRICAL PANEL. DIRECTORY SHALL IDENTIFY THE CIRCUIT NUMBER, DEVICES SERVED, AND LOCATION OF DEVICES BY ROOM NUMBER. FILE COPY OF DIRECTORIES WITH THE OWNER'S REPRESENTATIVE WHEN WORK IS COMPLETED, AND PROVIDE COPIES WITH THE OWNER'S MANUALS.</div> <div>7. INDICATED SPARE AND/OR SPACES IN ALL EQUIPMENT ON THE ELECTRICAL ONE-LINE DIAGRAM AND IN THE PANEL SCHEDULES ARE THE MINIMUM NUMBER REQUIRED FOR THIS PROJECT.</div> <div>8. IDENTIFY PANEL AND CIRCUIT NUMBER FOR ALL INSTALLED ELECTRICAL DEVICES ON THE OUTSIDE OF THE JUNCTION BOX.</div>	<div>1. PROVIDE LIGHTING CONTROL SYSTEM WITH ALL NECESSARY ACCESSORIES FOR A COMPLETE INSTALLATION.</div> <div>2. REFERENCE LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL FIXTURE INFORMATION.</div>
<div><div>J</div></div>	JUNCTION BOX, CEILING MOUNTED	A	AMPERE(S)				
<div><div>J</div></div>	JUNCTION BOX, WALL MOUNTED	ABV	ABOVE	IMC	INTERMEDIATE STEEL CONDUIT		
<u>PANELBOARDS (26 24 16)</u>		AIC	AMPERE INTERRUPTING CAPACITY	IN	INCHES		
		AFB	ABOVE FINISHED FLOOR	JB	JUNCTION BOX		
		AFG	ABOVE FINISHED GRADE	KV	KILOVOLT		
		BFF	BELOW FINISHED FLOOR	KVA	KILOVOLT AMPERE		
		BLDG	BUILDING	KW	KILOWATT		
		C	CONDUIT	KWH	KILOWATT HOUR		
		CB	CIRCUIT BREAKER	LB	POUND		
<u>INTERIOR & EXTERIOR LIGHTING (26 51 00 & 26 56 00)</u>		CKT	CIRCUIT	MAX	MAXIMUM		
		COND	CONDUCTOR	MEP	MECHANICAL, ELECTRICAL & PLUMBING		
		DIA	DIAMETER	MH	MOUNTING HEIGHT		
		DIST	DISTRIBUTION	MIN	MINIMUM		
		DN	DOWN	MLO	MAIN LUGS ONLY		
		DWGS	DRAWINGS	MTG	MOUNTING		
		EC	EMPTY CONDUIT	NA	NOT APPLICABLE		
		EMT	ELEC. METALLIC TUBING	NF	NON FUSED		
		EQMT	EQUIPMENT	N.T.S.	NOT-TO-SCALE		
		EXTG	EXISTING	OC	ON CENTER		
		FC	FOOT CANDLES	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED		
		FLEX	FLEXIBLE METAL CONDUIT	OH	OVERHEAD		
		FN	FULL NEUTRAL	P	POLE		
		FT	FEET, FOOT	PEC	PHOTO CELL		
<u>RACEWAYS (26 05 33)</u>		GALV	GALVANIZED	PNL	PANELBOARD		
		GFCI	GROUND FAULT CIRCUIT INTERRUPTER	PSI	POUNDS PER SQUARE INCH		
		GFI	GROUND FAULT INTERRUPTER	PVC	POLY VINYL CHLORIDE CONDUIT		
		GND	GROUND	PWR	POWER		
		HP	HORSE POWER	RGS	RIGID GALVANIZED STEEL CONDUIT		
		HOA	HAND OFF AUTOMATIC	RMC	RIGID METAL CONDUIT		
		HZ	HERTZ	SC	SPLIT CIRCUIT		
				SN	SOLID NEUTRAL		
				SOFT	SQUARE FEET,FOOT		
				SW	SWITCH		
				TC	TIME CLOCK		
				TYP.	TYPICAL		
				UEP	UNDERGROUND ELECTRIC PRIMARY		
				UES	UNDERGROUND ELECTRIC SECONDARY		
				UEB	UNDERGROUND ELECTRIC BRANCH CIRCUIT		
				U.N.O.	UNLESS NOTED OTHERWISE		
				V	VOLT(S)		
				W	WIRE		
				WP	WEATHERPROOF		
				XFMR	TRANSFORMER		
				Z	IMPEDENCE		
				1P	ONE POLE		
				2P	TWO POLE		
				3P	THREE POLE		
				Ø	PHASE		
<u>WIRING DEVICES (26 27 26)</u>		<u>REFERENCE SYMBOLS</u>					
		</					



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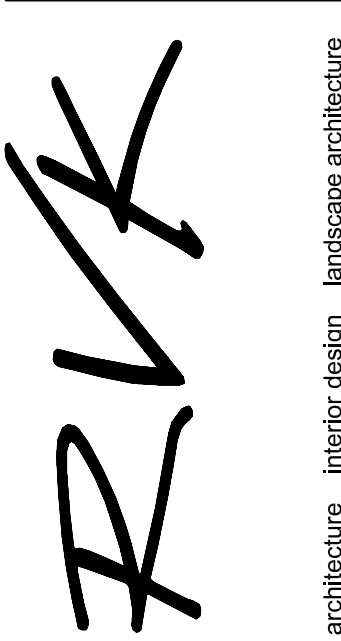
date 12/11/2018

FIELDS AND PARKING LOT REVISIONS

SAISD - Temporary Parking Lot

637 N. Main Ave.
San Antonio, Texas 78205

revisions:



745 e mulberry ave suite 601
san antonio texas 78212
telephone: 210.733.3535
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construction documents

E-001

ELECTRICAL ENERGY
COMPLIANCE

IECC 2018 LIGHTING COMPLIANCE SUMMARY										
PROJECT:	Fox Tech Temporary Parking	New temporary parking area for Fox Tech school.								
PROJECT NO:	0045-18									
PROJECT TYPE:	New Construction									
TYPE OF BUILDING USE:	N/A									
ADDRESS:	177 Buffalo Run									
CITY/STATE:	San Antonio, Texas 78205									
GROSS SQUARE FOOTAGE:	N.A.									
METHOD OF COMPLIANCE	Prescriptive Method									
CODE COMPLIANCE PER	IECC 2018 Comcheck									
EXTERIOR LIGHTING BUILDING POWER COMPUTATIONS:	TYPE OF EXTERIOR LIGHTING ZONE =	2	Neighborhood Business District							
REF: IECC 2015,C405.6.2 and TABLE C405.6.2(1).										
COMPONENT	LAMPS/FIXTURE (B)	QTY. [C]	x	FIXTURE WATTAGE (D)	TOTAL WATTS	FIXTURE ID	AREA SQ. FEET			
1. Pole Light (T1)	1	12	x	337	4044	T1	104013			
				TOTAL NON- TRADEABLE WATTS	0					
				TOTAL TRADEABLE PROP. WATTS	4161					
EXTERIOR LIGHTING BUILDING POWER COMPUTATIONS:	AREA SQ FT.	ALLOWED		TRADEABLE WATTAGE	ALLOWED W.	PROP. WATTS	NOTES			
1. Parking Lighting	104013	0.04		No	4161	4044	See * below for tradeoffs			
				TOTAL TRADEABLE WATTS	4161	4044	= TOTAL PROP WATTS			
				TOTAL ALLOWED WATTS	4161					
				TOTAL ALLOWED SUPPLEMENTAL**	400					
				* Wattage tradeoffs are only allowed between tradable areas/surfaces.						
				**A supplemental allowance of 400 watts may be applied toward compliance of both non-tradeable or tradeable areas/surface.						
COMPLIANCE STATEMENT:	The Exterior Lighting Passes without applying the allowed supplemental wattage.									
EXTERIOR LIGHTING	The Proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations, submitted with this permit application. The proposed lighting is 81% better than code and has been designed to meet the 2018 IECC requirements to comply with the mandatory requirements in the Requirements Checklist.									
Per Table 9.4.2-2	Name - Title:				Don M. Duplan/Graduate Electrical Engineer		Date:	December 3, 2018		

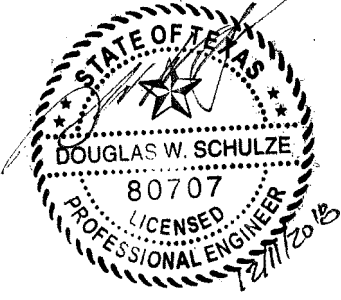
IECC 2018 LIGHTING COMPLIANCE - LIGHTING CONTROLS NARRATIVE		
PROJECT:	Fox Tech Temporary Parking	New temporary parking lot for Fox Tech
PROJECT NO:	0045-18	
TYPE OF BUILDING:	N.A.	
GROSS SQUARE FOOTAGE:		
METHOD OF COMPLIANCE	Building Method	
CODE COMPLIANCE	IECC 2018	
REF. CODE COMPLIANCE	LIGHTING CONTROL EQUIP.	
C405.5.1/Exception 5	PHOTOCELL/MOTION SENSOR	PARKING LOT WILL USE PHOTOCELL FOR ON/OFF AND INTERNAL MOTION DETECTOR FOR DIMMING DURING PERIODS OF VACANCY.

IECC 2018 EXTERIOR COMPLIANCE - REQUIREMENTS CHECKLIST			
PROJECT:	Fox Tech Temporary Parking		
PROJECT NO:	0045-18		
PROJECT TYPE:	New Construction		
TYPE OF BUILDING:	N.A.		
GROSS SQ. FT:	N.A.		
	Checklist Notes		
	Note #	Complies	Exterior Lighting Requirements Checklist per IECC 2015
	C405.1	Yes	Plans, Specifications, and /or calculations provide all information with which compliance can be determined for the exterior lighting and electrical systems and equipment and document where exceptions to the standard are claimed.
			Information provided should include exterior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.
	C405.5.1	Yes	Automatic lighting controls for exterior lighting installed.
		Yes	Exterior lighting over 100W provides less than or equal to 60 lumen/watt unless on motion sensor or fixture is exempt from scope or code or from external LPD.
	C405.1	Yes	Exterior lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.
	C408.3	N.A.	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.



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project no. 16127.A



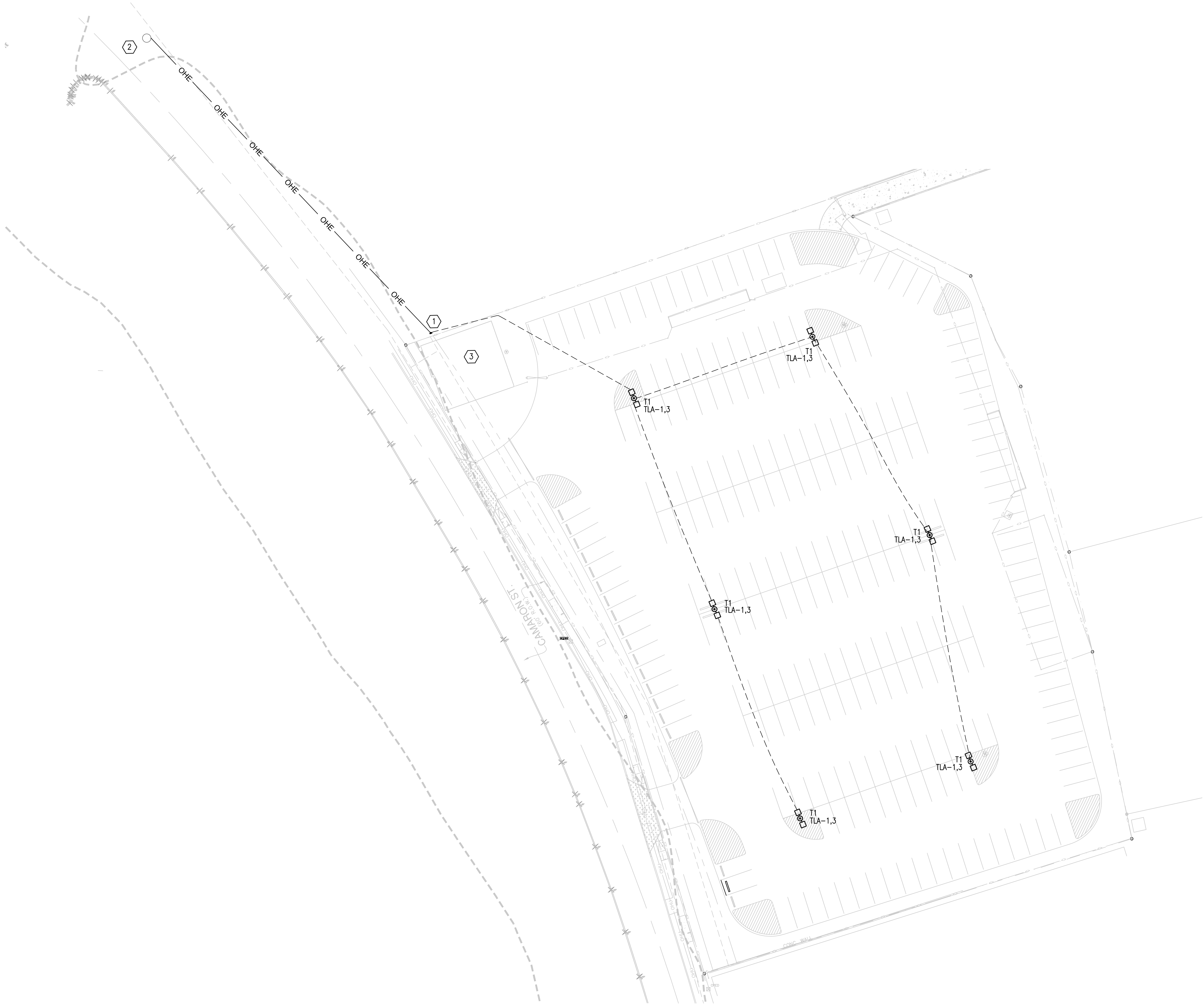
date 12/11/2018

GENERAL NOTES: (THIS SHEET ONLY)

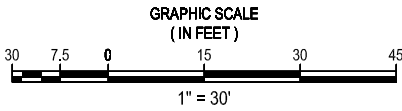
1. FIXTURE TYPE 'T1' SHALL BE CONTROLLED BY COMBINATION OF PHOTOCELL AND INTERNAL MOTION SENSOR FOR DIMMING (REFER TO LIGHT FIXTURE SCHEDULE ON E-201).
2. COORDINATE SERVICE REVISIONS WITH CPSE.
3. PROVIDE A CALL TO DIG-TEST 811 TO REQUEST TRACING UNDERGROUND UTILITIES PRIOR TO DIGGING PER CITY OF SAN ANTONIO AND STATE OF TEXAS REQUIREMENTS.

KEYED NOTES: (THIS SHEET ONLY)

1. PROPOSED LOCATION OF SERVICE METER. PROVIDE CONNECTION AS SHOWN IN PARTIAL RISER DIAGRAM ON 1/E-201. EXACT ROUTING TO BE DETERMINED IN FIELD. COORDINATE WITH EXISTING UNDERGROUND UTILITIES.
2. EXISTING CPS TRANSFORMER. REFER TO PARTIAL RISER DIAGRAM ON 1/E-201.
3. BUILDING NIC. ENSURE THAT EXISTING SERVICE IS DISCONNECTED FROM BUILDING.



1 ELECTRICAL TEMPORARY PARKING SITE PLAN
SCALE: 1" = 30'

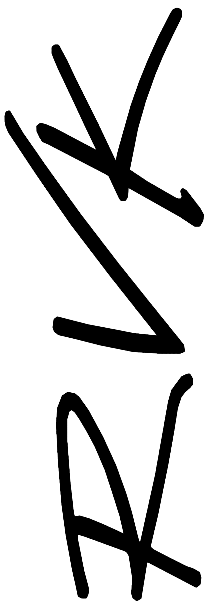


FIELDS AND PARKING LOT REVISIONS

SAISD - Temporary Parking Lot

637 N. Main Ave.
San Antonio, Texas 78205

revisions:



architecture interior design landscape architecture

745 e mulberry ave suite 601
san antonio texas 78212
telephone: 210.733.3535
web: www.rvk-architects.com

construction documents

E-101

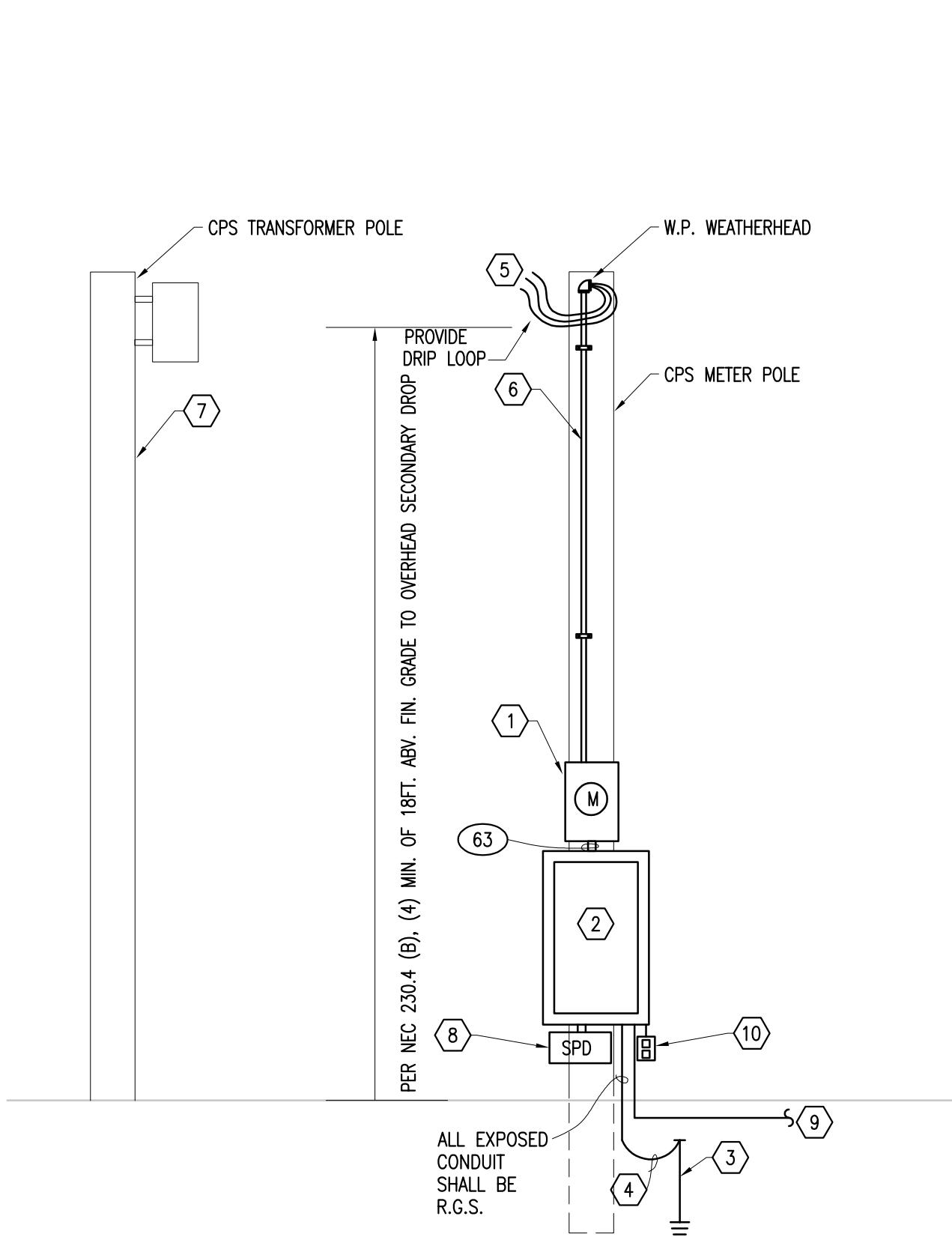
ELECTRICAL SITE PLAN



1917 N. New Braunfels Avenue
Suite 201
San Antonio, TX 78208
(210)224-8841, (210)224-8824 FAX
TBPE REGISTRATION No.
:F-7964

project no.16127.A

date12/11/2018



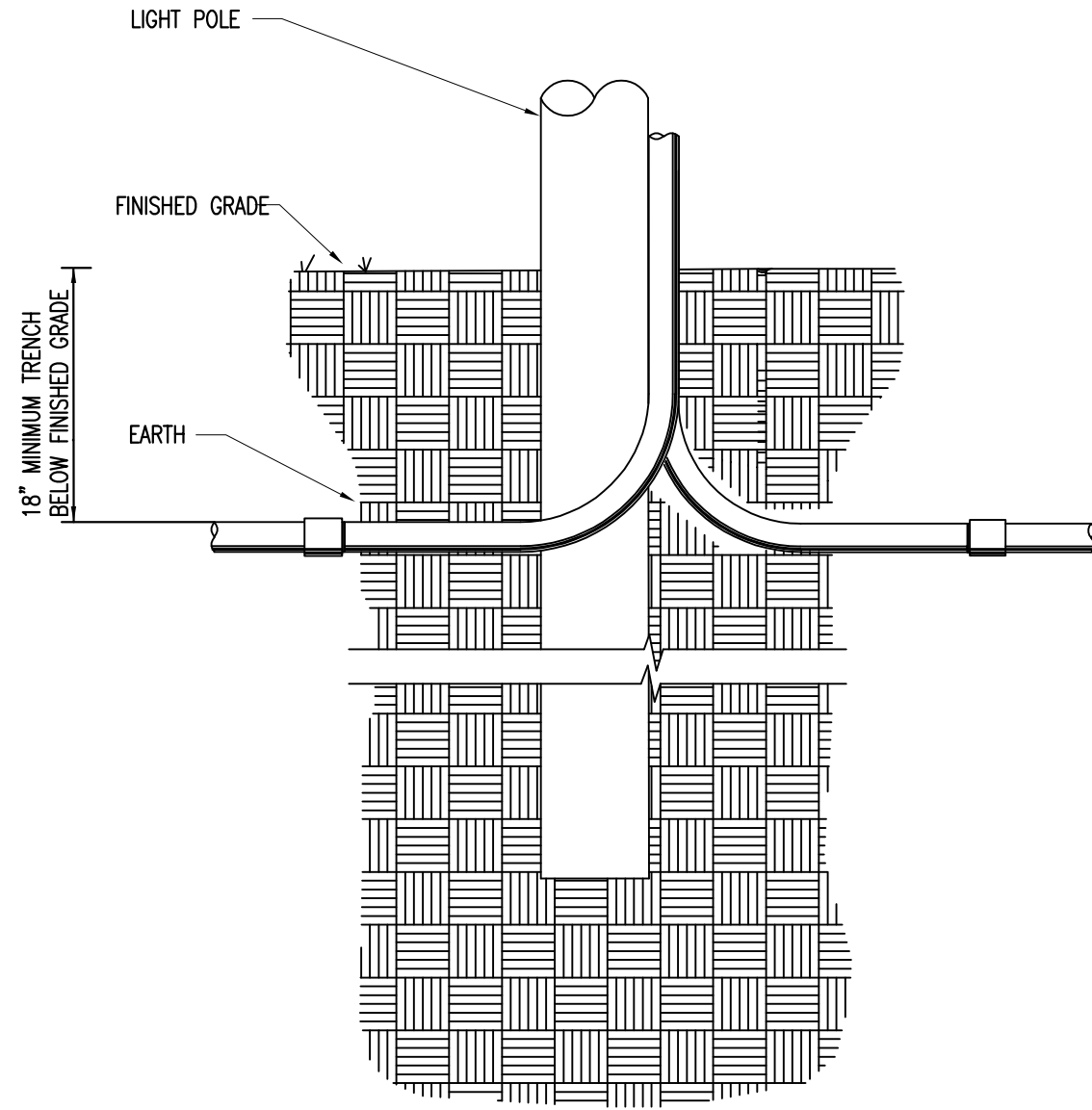
1 PARTIAL ELECTRICAL RISER DIAGRAM
SCALE: N.T.S.

KEYED NOTES: (THIS SHEET ONLY)

- CPS ENERGY SELF-CONTAINED METER. FURNISHED BY CPSE ENERGY, INSTALLED BY THE CONTRACTOR.
- ELECTRICAL PANEL 'TLA'. BOND GROUND AND NEUTRAL AT THIS LOCATION ONLY. REF. PANELBOARD SCHEDULE FOR PANELBOARD SPECIFICATION.
- PROVIDE 3/4" x 8# LONG COPPER CLAD GROUND ROD.
- 1#10 GND. IN 3/4"C. PROVIDE EXOTHERMIC CONNECTION BETWEEN GROUNDING ELECTRODE AND GROUND ROD.
- NEW SERVICE RISER. SERVICE ENTRANCE CONDUCTORS TO EXTEND A MINIMUM OF 24" OUTSIDE OF SERVICE HEAD FOR CONNECTION TO CPSE AERIAL SECONDARY SERVICE. SERVICE DROP, CONNECTORS AND ANCHORAGE TO BE FURNISHED AND INSTALLED BY CPS ENERGY WHEN THE SERVICE IS INSTALLED.
- PROVIDE THREE (3) #6 AWG IN 1" RIGID GALVANIZED CONDUIT.
- CPSE ENERGY TRANSFORMER POLE. REF. SITE PLAN FOR LOCATION.
- SUPPLY A COMMERCIAL GRADE SURGE PROTECTION DEVICE WITH NEUTRAL AND GROUND WIRES. INSTALL ARRESTOR DELTA MODEL #UA302RG LIGHTING PROTECTOR WITH NEUTRAL AND GROUND OR APPROVED EQUAL.
- PROVIDE 2#10,1#10GND,1"C IN SCH 80 PVC. REFER TO SHEET E-101 FOR LIGHT CONFIGURATION AND SITE PLAN.
- LOCKABLE RECEPTACLE MOUNTED 24" ABOVE FIN. GRADE IN A W.P. JUNCTION BOX WITH "IN-USE" COVER OF TYPE HUBBEL TAYMAC ML450G. CONNECT TO BRANCH CIRCUIT TLA-2.

GENERAL NOTES: (THIS SHEET ONLY)

- EQUIPMENT SHALL BE MOUNTED ON NEW 30 FOOT WOOD POLE WITH WEATHERHEAD. SEE SHEET E-101 FOR INSTALLATION LOCATION, AND CONFIRM WITH OWNER/ARCHITECT. ENSURE THAT EQUIPMENT IS MOUNTED PROPERLY PER NEC 2017, AND THAT ALL CONNECTIONS ARE WEATHERPROOF.



NOTES:

- RE: SPECIFICATIONS FOR UNDERGROUND BRANCH CONDUIT REQUIREMENTS.

2 POLE BASE DETAIL
SCALE: N.T.S.

LIGHTING FIXTURE SCHEDULE							
TYPE	LAMPS	MOUNTING	MOUNT HEIGHT	VOLTS	WATTS	DESCRIPTION	MANUFACTURER AND CATALOG NO.
T1	4000K 24,692 LUMENS LED	POLE- MOUNTED (REFER TO E- 101)	25 FOOT	240	193	HEAVY DUTY, AREA, CUTOFF LUMINAIRE WITH CAST ALUMINUM HOUSING AND TYPE 5 OPTICS. INCLUDES INTEGRAL PHOTOCELL AND MOTION SENSOR FOR DIMMING OPERATION.	EATON NAV-AF-06-D-UNV-5WQ-10K-MS/DIM/L40-AP/FSIR-100/P200S020 ALTERNATE MANUFACTURERS: LITHONIA RSX1 SERIES PHILIPS LUMEC RFL-ORL-350W/112LED-4K-G2-5-UNV-KAH3-PH8-OS-XX-CDMG-P-OS WITH WJM TYPE #TER2MA ARM
POLE	N/A	N/A	TOTAL POLE HEIGHT - 35 FOOT	N/A	N/A	35 FOOT WOODEN POLE WITH 25 FOOT EXPOSED ABOVE GROUND.	McFARLAND CASCADE OR APPROVED EQUIVALENT WOODEN POLE OF MINIMUM DIAMETER 8.5", MEASURED 6 FEET FROM BUTT OF POLE
<div>Notes:</div> <div>1. ACCEPTABLE EQUIVALENT MANUFACTURERS MAY BE SUBMITTED TO BASIS OF DESIGN.</div> <div>2. ALL POLES AND FIXTURES EPA SHALL BE CONFIRMED BY THE MANUFACTURER AND REVIEWED IN SUBMITTAL PHASE.</div>							

NEW PANELBOARD 'TLA'																
PROJECT :		Fox Tech Temp Parking				MAIN CIRCUIT BREAKER : 60A				ENCLOSURE : NEMA 3R						
PROJECT # :		0051-18				MAIN LUGS ONLY :				MOUNTING : SURFACE						
LOCATION :		SERVICE ENTRANCE				BUSSING : 100A				OCP TYPES : BOLT-ON						
NOTES :						VOLTAGE : 120/240V, 1-PH, 3-W				PROVIDE : NEUTRAL BUS						
						INTERRUPTING : 10 KAIC RMS SYM				GROUND BUS						
CKT	AMPS	POLE	CIRCUIT DESCRIPTION				LOAD	TYPE	PH	TYPE	LOAD	CIRCUIT DESCRIPTION		AMPS	POLE	CKT
1	20	2	POLE LIGHTS				1,159	2	A	0	180	SERVICE RECEPTACLE		20	1	2
3							1,159	2		B		BUSSED SPACE				4
5	30	1	SPD							A		BUSSED SPACE				6
			PANEL VA	SUB FEED	FEED THRU	TOTAL CONN	TOTAL DEMAND		NOTES :							
			1,339	0	0	1,339	1,650		PLACE SERVICE ENTRANCE LABEL ON EXTERIOR OF PANEL IN VISIBLE LOCATION							
PHASE A			1,339	0	0	1,339	1,650									
PHASE B			1,159	0	0	1,159	1,428									
TOTAL			2,498	0	0	2,498	3,078		13		REVISIONS:		CNG ENGINEERING, PLLC. R3.1 - Nov. 4			

ANALYSIS OF PROJECTED ELECTRICAL LOAD					
12/4/2018					
SERVICE VOLTAGE: 240/120V, 1Ph., 3W					
LOAD DESCRIPTION			DEMAND FACTOR	NOTES	CONNECTED LOAD, kVA
GENERAL PURPOSE RECEPTACLES			1.00	2	0.2
EXTERIOR LIGHTING			1.25		2.9
CONNECTED NEW LOADS SUBTOTAL					2
NET SUBTOTAL OF EXISTING, DEMO, AND NEW LOADS					3
LOAD GROWTH ALLOWANCE					0
TOTAL					4
SERVICE ENTRANCE DESIGN (TRANSFORMER/ MAIN PANEL)					25
					60

FIELDS AND PARKING LOT REVISIONS

SAISD - Temporary Parking Lot

637 N. Main Ave.
San Antonio, Texas 78205

revisions:

RVK

745 e mulberry ave suite 601
san antonio texas 78212
telephone: 210.733.3535
web: www.rvk-architects.com

construction documents

E-201

ELECTRICAL SCHEDULES
& DETAILS

DESCRIPTION

The Navion™ area, site and roadway LED luminaire combines world class optical performance, energy efficiency, and outstanding versatility to meet the requirements of any area, site or roadway lighting application. Patented AccuLED Optic™ technology delivers unparalleled uniformity. Heavy-duty construction and easy installation features make the Navion luminaire the right choice for site lighting applications and municipal streets. UL/cUL listed for wet locations, optional IP66 enclosure rating available.

SPECIFICATION FEATURES

Construction

Heavy-duty, cast aluminum housing and door with extruded aluminum heat sink. Tool-less entry, hinged removable power tray door for easy maintenance. 3G vibration rated.

Optics

Choice of 16 patented, high-efficiency AccuLED Optics. The optics are precisely designed to shape the distribution maximizing efficiency and application spacing. AccuLED Optics create consistent distributions with the scalability to meet customized application requirements. Offered standard in 4000K (+/- 275K) CCT and minimum 70 CRI. Optional 3000K, 5000K and 6000K CCT. For the ultimate level of spill light control, an optional house side shield accessory is available and can be field or factory installed. The house side shield is designed to seamlessly integrate with the SL2, SL3, SL4 or AFL optics.

Electrical

LED drivers are mounted to the removable die-cast aluminum door for optimal heat sinking and ease of maintenance. 120-277V 50/60Hz, 347V 60Hz or 480V 60Hz operation. 480V is compatible for use with 480V Wye systems only. 10kV common and differential-mode surge protection standard. 0-10V dimming driver standard. Thermal management incorporates both conduction and convection to transfer heat rapidly away from the LED source for optimal efficiency and light output. Suitable for ambient temperatures from -40°C to 40°C. Optional 50°C HA option available. Greater than 90% lumen maintenance expected at 60,000 hours. Light squares are IP66 enclosure rated. Available in standard 1A drive current and optional 600mA, 800mA and 1200mA drive currents (nominal).

Mounting

Four-bolt/two-bracket slipfitter with cast-in pipe stop and built-in incremental 2.5° leveling steps are standard. Fixed-in-place bird guard seals around 1-1/4" or 2" mounting arms.

Finish

Housing and cast parts finished in five-stage super TGIC polyester powder coat paint, 2.5 mil nominal thickness for superior protection against fade and wear. Heat sink is anodized aluminum. Consult your lighting representative at Eaton for a complete selection of standard colors.

Warranty

Five-year warranty.



NAV NAVION

1-6 Light Squares
LED

AREA / SITE / ROADWAY
LUMINAIRE



CERTIFICATION DATA

UL/cUL Wet Location Listed
ISO 9001
IP66 Light Squares
3G Vibration Rated
DesignLights Consortium® Qualified*

ENERGY DATA

Electronic LED Driver
>0.9 Power Factor
<20% Total Harmonic Distortion
120-277V 50/60 Hz,
347V 60 Hz, 480V 60 Hz
-40°C Minimum Temperature
+40°C Ambient Temperature Rating

EPA

Effective Projected Area (Sq. Ft.):

(Fixture only)

- 1 Square 0.8
- 2 Square's 1.0
- 3 Square's 1.2
- 4 Square's 1.2
- 5 Square's 1.4
- 6 Square's 1.4

(Fixture with AI arm)

- 1 Square 1.2
- 2 Square's 1.3
- 3 Square's 1.5
- 4 Square's 1.5
- 5 Square's 1.7
- 6 Square's 1.7

SHIPPING DATA

Approximate Net Weight:

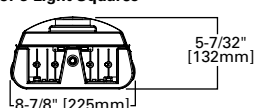
- 1 Square 17 lbs. (7.7 kgs.)
- 2 Square's 22 lbs. (10.0 kgs.)
- 3 Square's 26 lbs. (11.8 kgs.)
- 4 Square's 31 lbs. (14.1 kgs.)
- 5 Square's 34 lbs. (15.4 kgs.)
- 6 Square's 36 lbs. (16.3 kgs.)



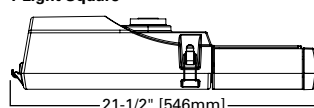
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October 1, 2018 10:08 AM

DIMENSIONS

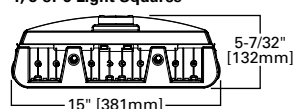
1, 2 or 3 Light Squares



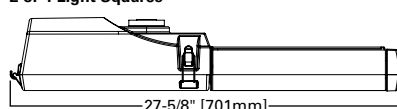
1 Light Square



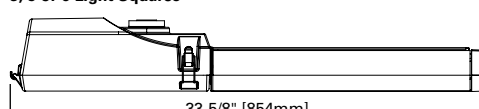
4, 5 or 6 Light Squares



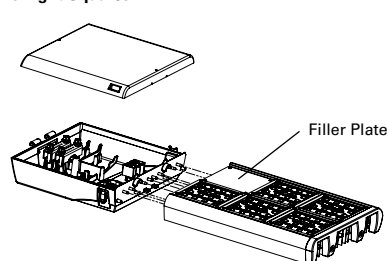
2 or 4 Light Squares

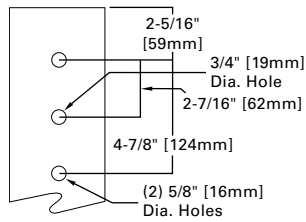
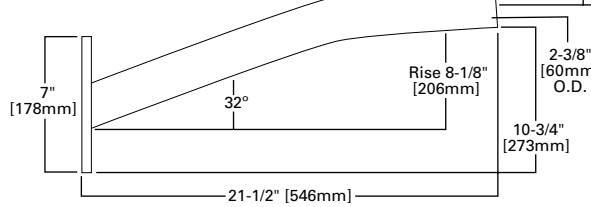
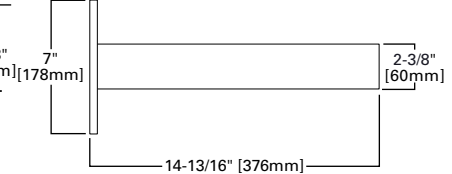
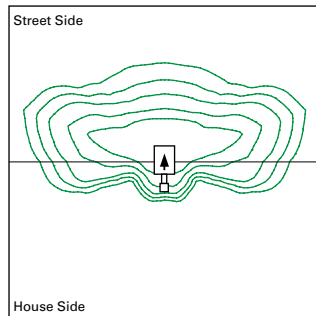
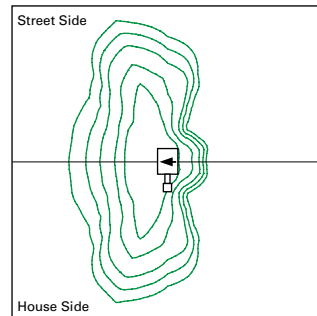
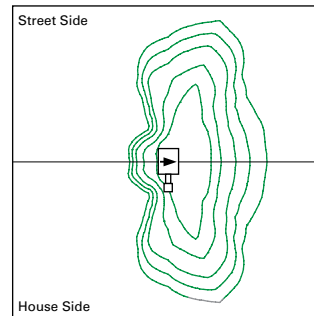
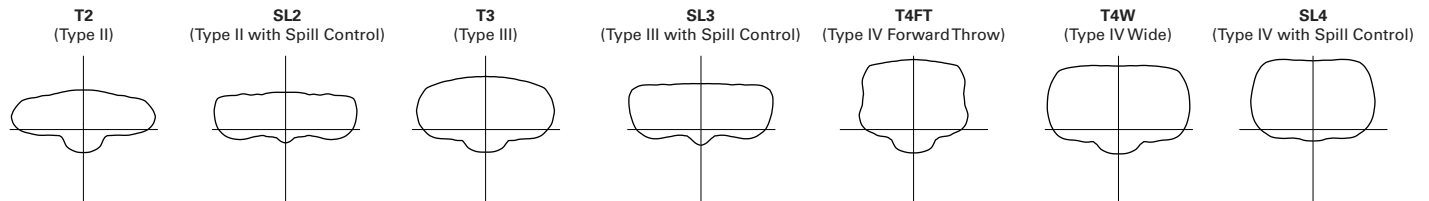
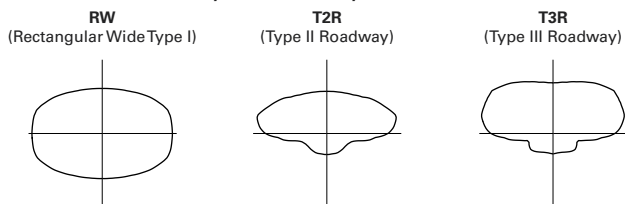
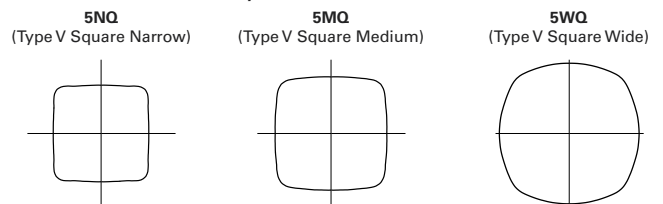
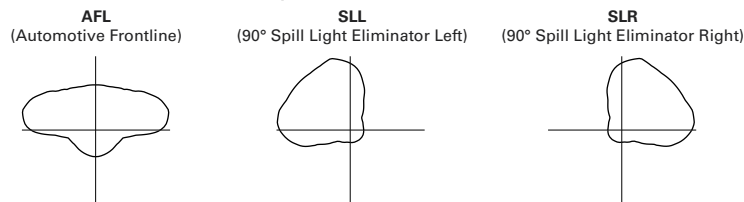


3, 5 or 6 Light Squares



5 Light Squares



ARM DRILLING**TYPE "M"****OPTIONAL ARM****Upsweep Arm****OPTIONAL ARM****15" Straight Arm****OPTIC ORIENTATION****Standard****Optics Rotated Left @ 90° (L90)****Optics Rotated Right @ 90° (R90)****OPTICAL DISTRIBUTIONS****Asymmetric Area Distributions****Asymmetric Roadway Distributions****Symmertric Distributions****Specialized Distributions**

NOMINAL POWER LUMENS (1.2A)

Number of Light Squares		1	2	3	4	5	6
Nominal Power (Watts)		67	129	191	258	320	382
Input Current @ 120V (A)		0.58	1.16	1.78	2.31	2.94	3.56
Input Current @ 208V (A)		0.33	0.63	0.93	1.27	1.57	1.87
Input Current @ 240V (A)		0.29	0.55	0.80	1.10	1.35	1.61
Input Current @ 277V (A)		0.25	0.48	0.70	0.96	1.18	1.39
Input Current @ 347V (A)		0.20	0.39	0.57	0.78	0.96	1.15
Input Current @ 480V (A)		0.15	0.30	0.43	0.60	0.73	0.85
Optics							
T2	4000K/5000K Lumens	6,560	13,079	19,450	26,197	32,287	38,679
	3000K Lumens	5,807	11,578	17,217	23,190	28,580	34,239
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5
T2R	4000K/5000K Lumens	7,023	14,003	20,823	28,046	34,566	41,410
	3000K Lumens	6,217	12,395	18,433	24,826	30,598	36,656
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4
T3	4000K/5000K Lumens	6,704	13,366	19,877	26,771	32,995	39,527
	3000K Lumens	5,934	11,832	17,595	23,698	29,207	34,989
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3R	4000K/5000K Lumens	6,817	13,590	20,211	27,221	33,551	40,192
	3000K Lumens	6,034	12,030	17,891	24,096	29,699	35,578
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5
T4FT	4000K/5000K Lumens	6,754	13,468	20,028	26,975	33,247	39,828
	3000K Lumens	5,979	11,922	17,729	23,878	29,430	35,256
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	6,623	13,204	19,636	26,448	32,597	39,048
	3000K Lumens	5,863	11,688	17,382	23,412	28855	34565
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL2	4000K/5000K Lumens	6,570	13,099	19,481	26,238	32,338	38,740
	3000K Lumens	5,816	11,595	17,245	23,226	28,626	34,293
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5
SL3	4000K/5000K Lumens	6,693	13,345	19,845	26,728	32,943	39,464
	3000K Lumens	5,925	11,813	17,567	23,660	29,161	34,934
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL4	4000K/5000K Lumens	6,393	12,747	18,957	25,532	31,468	37,698
	3000K Lumens	5,659	11,284	16,781	22,601	27,855	33,370
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G5	B2-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	6,889	13,737	20,428	27,513	33,910	40,622
	3000K Lumens	6,098	12,160	18,083	24,355	30,017	35,959
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3
5MQ	4000K/5000K Lumens	7,137	14,230	21,162	28,502	35,129	42,083
	3000K Lumens	6,318	12,596	18,733	25,230	31,096	37,252
	BUG Rating	B3-U0-G1	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	6,972	13,901	20,673	27,844	34,318	41,111
	3000K Lumens	6,172	12,305	18,300	24,648	30,378	36,391
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4	B5-U0-G4
SLL/SLR	4000K/5000K Lumens	5,920	11,801	17,550	23,638	29,134	34,901
	3000K Lumens	5,240	10,446	15,535	20,924	25,789	30,894
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5
RW	4000K/5000K Lumens	6,849	13,654	20,305	27,349	33,707	40,379
	3000K Lumens	6,063	12,087	17,974	24,209	29,837	35,743
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3
AFL	4000K/5000K Lumens	6,866	13,691	20,360	27,423	33,798	40,489
	3000K Lumens	6,078	12,119	18,023	24,275	29,918	35,841
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000

NOMINAL POWER LUMENS (1A)

Number of Light Squares		1	2	3	4	5	6
Nominal Power (Watts)		59	113	166	225	279	333
Input Current @ 120V (A)		0.51	1.02	1.53	2.03	2.55	3.06
Input Current @ 208V (A)		0.29	0.56	0.82	1.11	1.37	1.64
Input Current @ 240V (A)		0.26	0.48	0.71	0.96	1.19	1.41
Input Current @ 277V (A)		0.23	0.42	0.61	0.83	1.03	1.23
Input Current @ 347V (A)		0.17	0.32	0.50	0.64	0.82	1.00
Input Current @ 480V (A)		0.14	0.24	0.37	0.48	0.61	0.75
Optics							
T2	4000K/5000K Lumens	5,980	11,922	17,731	23,881	29,433	35,259
	3000K Lumens	5,293	10,553	15,695	21,139	26,054	31,211
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
T2R	4000K/5000K Lumens	6,402	12,765	18,982	25,566	31,510	37,749
	3000K Lumens	5,667	11,300	16,803	22,631	27,893	33,415
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4
T3	4000K/5000K Lumens	6,111	12,185	18,119	24,404	30,078	36,032
	3000K Lumens	5,409	10,786	16,039	21,602	26,625	31,896
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5
T3R	4000K/5000K Lumens	6,214	12,389	18,424	24,815	30,585	36,639
	3000K Lumens	5,501	10,967	16,309	21,966	27,074	32,433
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5
T4FT	4000K/5000K Lumens	6,157	12,277	18,257	24,590	30,307	36307
	3000K Lumens	5,450	10,868	16,161	21,767	26,828	32,139
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5
T4W	4000K/5000K Lumens	6,038	12,036	17,900	24,109	29,715	35,596
	3000K Lumens	5,345	10,654	15,845	21,341	26,304	31,510
	BUG Rating	B1-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G5	B3-U0-G5
SL2	4000K/5000K Lumens	5,989	11,941	17,758	23,918	29,479	35,315
	3000K Lumens	5,301	10,570	15,719	21,172	26,095	31,261
	BUG Rating	B1-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5
SL3	4000K/5000K Lumens	6,102	12,165	18,090	24,365	30,030	35,975
	3000K Lumens	5,401	10,768	16,013	21,568	26,583	31,845
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5
SL4	4000K/5000K Lumens	5,828	11,620	17,281	23,274	28,686	34,365
	3000K Lumens	5,159	10,286	15,297	20,602	25,393	30,420
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5	B3-U0-G5
5NQ	4000K/5000K Lumens	6,280	12,522	18,621	25,080	30,912	37,031
	3000K Lumens	5,559	11,084	16,483	22,201	27,363	32,780
	BUG Rating	B2-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2	B5-U0-G3
5MQ	4000K/5000K Lumens	6,506	12,972	19,291	25,982	32,023	38,362
	3000K Lumens	5,759	11,483	17,076	22,999	28,347	33,958
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G4	B5-U0-G4
5WQ	4000K/5000K Lumens	6,356	12,672	18,845	25,382	31,284	37,476
	3000K Lumens	5,626	11,217	16,682	22,468	27,693	33,174
	BUG Rating	B3-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4	B5-U0-G4
SLL/SLR	4000K/5000K Lumens	5,396	10,758	15,999	21,548	26,558	31,815
	3000K Lumens	4,777	9,523	14,162	19,074	23,509	28,163
	BUG Rating	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G5
RW	4000K/5000K Lumens	6,243	12,447	18,510	24,931	30,727	36,809
	3000K Lumens	5,526	11,018	16,385	22,069	27,200	32,583
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3
AFL	4000K/5000K Lumens	6,259	12,480	18,560	24,998	30,810	36,909
	3000K Lumens	5,540	11,047	16,429	22,128	27,273	32,672
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3	B3-U0-G3

* Nominal data for 70 CRI.

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000

NOMINAL POWER LUMENS (800MA)

Number of Light Squares		1	2	3	4	5	6
Nominal Power (Watts)		44	85	124	171	210	249
Input Current @ 120V (A)		0.39	0.77	1.13	1.54	1.90	2.26
Input Current @ 208V (A)		0.22	0.44	0.62	0.88	1.06	1.24
Input Current @ 240V (A)		0.19	0.38	0.54	0.76	0.92	1.08
Input Current @ 277V (A)		0.17	0.36	0.47	0.72	0.83	0.95
Input Current @ 347V (A)		0.15	0.24	0.38	0.49	0.63	0.77
Input Current @ 480V (A)		0.11	0.18	0.29	0.37	0.48	0.59
Optics							
T2	4000K/5000K Lumens	4,831	9,633	14,325	19,294	23,780	28,487
	3000K Lumens	4,276	8,527	12,680	17,079	21,050	25,217
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4
T2R	4000K/5000K Lumens	5,172	10,313	15,337	20,656	25,458	30,499
	3000K Lumens	4,578	9,129	13,576	18,285	22,535	26,998
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4
T3	4000K/5000K Lumens	4,937	9,844	14,639	19,717	24,301	29,112
	3000K Lumens	4,370	8,714	12,958	17,453	21,511	25,770
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4
T3R	4000K/5000K Lumens	5,021	10,009	14,886	20,049	24,711	29,602
	3000K Lumens	4,445	8,860	13,177	17,747	21,874	26,204
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4
T4FT	4000K/5000K Lumens	4,975	9,919	14,751	19,867	24,487	29,334
	3000K Lumens	4,404	8,780	13,058	17,586	21,676	25,966
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4	B3-U0-G4
T4W	4000K/5000K Lumens	4,878	9,725	14,462	19,479	24,008	28,759
	3000K Lumens	4,318	8,609	12,802	17,243	21,252	25,457
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G4	B3-U0-G4	B3-U0-G4
SL2	4000K/5000K Lumens	4,839	9,648	14,348	19,324	23,817	28,532
	3000K Lumens	4,283	8,540	12,701	17,106	21,083	25,257
	BUG Rating	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4	B3-U0-G4
SL3	4000K/5000K Lumens	4,930	9,829	14,616	19,685	24,263	29,066
	3000K Lumens	4,364	8,701	12,938	17,425	21,478	25,729
	BUG Rating	B1-U0-G2	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4
SL4	4000K/5000K Lumens	4,709	9,388	13,962	18,804	23,176	27,765
	3000K Lumens	4,168	8,310	12,359	16,645	20,515	24,578
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4	B2-U0-G5
5NQ	4000K/5000K Lumens	5,074	10,117	15,045	20,263	24,975	29,919
	3000K Lumens	4,492	8,956	13,318	17,937	22,108	26,484
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G2
5MQ	4000K/5000K Lumens	5,257	10,481	15,586	20,992	25,873	30,995
	3000K Lumens	4,653	9,278	13,797	18,582	22,903	27,437
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3
5WQ	4000K/5000K Lumens	5,135	10,238	15,226	20,507	25,276	30,279
	3000K Lumens	4,546	9,063	13,478	18,153	22,374	26,803
	BUG Rating	B3-U0-G1	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3	B5-U0-G4
SLL/SLR	4000K/5000K Lumens	4,360	8,692	12,926	17,410	21,457	25,705
	3000K Lumens	3,859	7,694	11,442	15,411	18,994	22,754
	BUG Rating	B1-U0-G2	B1-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4	B3-U0-G4
RW	4000K/5000K Lumens	5,044	10,056	14,955	20,143	24,826	29,740
	3000K Lumens	4,465	8,902	13,238	17,831	21,976	26,326
	BUG Rating	B2-U0-G1	B3-U0-G1	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3
AFL	4000K/5000K Lumens	5,057	10,083	14,995	20,197	24,892	29,820
	3000K Lumens	4,476	8,925	13,274	17,878	22,034	26,397
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G2	B3-U0-G3

* Nominal data for 70 CRI.

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000

NOMINAL POWER LUMENS (600MA)

Number of Light Squares		1	2	3	4	5	6
Nominal Power (Watts)		34	66	96	129	162	193
Input Current @ 120V (A)		0.30	0.58	0.86	1.16	1.44	1.73
Input Current @ 208V (A)		0.17	0.34	0.49	0.65	0.84	0.99
Input Current @ 240V (A)		0.15	0.30	0.43	0.56	0.74	0.87
Input Current @ 277V (A)		0.14	0.28	0.41	0.52	0.69	0.81
Input Current @ 347V (A)		0.11	0.19	0.30	0.39	0.49	0.60
Input Current @ 480V (A)		0.08	0.15	0.24	0.30	0.38	0.48
Optics							
T2	4000K/5000K Lumens	3,940	7,855	11,682	15,734	19,392	23,231
	3000K Lumens	3,488	6,953	10,341	13,928	17,166	20,564
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G3
T2R	4000K/5000K Lumens	4,218	8,410	12,507	15,734	20,761	24,871
	3000K Lumens	3,734	7,445	11,071	14,911	18,378	22,016
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3
T3	4000K/5000K Lumens	4,026	8,028	11,938	16,079	19,817	23,740
	3000K Lumens	3,564	7,106	10,568	14,233	17,542	21,015
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B3-U0-G3	B3-U0-G4
T3R	4000K/5000K Lumens	4,094	8,163	12,139	16,350	20,151	24,140
	3000K Lumens	3,624	7,226	10,745	14,473	17,838	21,369
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G4
T4FT	4000K/5000K Lumens	4,057	8,089	12,029	16,201	19,968	23,921
	3000K Lumens	3,591	7,160	10,648	14,341	17,676	21,175
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G2	B2-U0-G3	B2-U0-G4	B3-U0-G4
T4W	4000K/5000K Lumens	3,978	7,930	11,794	15,885	19,578	23,453
	3000K Lumens	3,521	7,020	10,440	14,061	17,330	20,761
	BUG Rating	B1-U0-G1	B2-U0-G2	B2-U0-G2	B3-U0-G3	B3-U0-G4	B3-U0-G4
SL2	4000K/5000K Lumens	3,946	7,868	11,700	15,759	19,423	23,268
	3000K Lumens	3,493	6,965	10,357	13,950	17,193	20,597
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B3-U0-G3	B3-U0-G4
SL3	4000K/5000K Lumens	4,020	8,015	11,919	16,053	19,786	23,703
	3000K Lumens	3,559	7,095	10,551	14,210	17,515	20,982
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G4	B3-U0-G4
SL4	4000K/5000K Lumens	3,840	7,656	11,386	15,335	18,900	22,642
	3000K Lumens	3,399	6,777	10,079	13,575	16,730	20,043
	BUG Rating	B1-U0-G2	B1-U0-G3	B1-U0-G3	B1-U0-G3	B2-U0-G4	B2-U0-G4
5NQ	4000K/5000K Lumens	4,138	8,250	12,269	16,525	20,367	24,398
	3000K Lumens	3,663	7,303	10,861	14,628	18,029	21,597
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
5MQ	4000K/5000K Lumens	4,287	8,547	12,710	17,118	21,099	25,276
	3000K Lumens	3,795	7,566	11,251	15,153	18,677	22,374
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3
5WQ	4000K/5000K Lumens	4,188	8,349	12,417	16,723	20,612	24,692
	3000K Lumens	3,707	7,391	10,992	14,803	18,246	21,857
	BUG Rating	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B5-U0-G3	B5-U0-G3
SLL/SLR	4000K/5000K Lumens	3,555	7,088	10,541	14,197	17,498	20,962
	3000K Lumens	3,147	6,274	9,331	12,567	15,489	18,556
	BUG Rating	B1-U0-G1	B1-U0-G2	B2-U0-G3	B2-U0-G3	B2-U0-G3	B3-U0-G4
RW	4000K/5000K Lumens	4,113	8,201	12,196	16,426	20,245	24,252
	3000K Lumens	3,641	7,260	10,796	14,540	17,921	21,468
	BUG Rating	B2-U0-G1	B3-U0-G1	B3-U0-G2	B4-U0-G2	B4-U0-G2	B4-U0-G2
AFL	4000K/5000K Lumens	4,124	8,223	12,229	16,470	20,299	24,318
	3000K Lumens	3,651	7,279	10,825	14,579	17,969	21,526
	BUG Rating	B1-U0-G1	B1-U0-G1	B2-U0-G2	B2-U0-G2	B2-U0-G2	B3-U0-G2

* Nominal data for 70 CRI.

LUMEN MULTIPLIER

Ambient Temperature	Lumen Multiplier
0°C	1.02
10°C	1.01
25°C	1.00
40°C	0.99
50°C	0.97

LUMEN MAINTENANCE

Drive Current	Ambient Temperature	TM-21 Lumen Maintenance (60,000 Hours)	Projected L70 (Hours)
Up to 1A	Up to 50°C	> 95%	416,000
1.2A	Up to 40°C	> 90%	205,000

CONTROL OPTIONS

0-10V (D)

This fixture is offered standard with 0-10V dimming driver(s). The DIM option provides 0-10V dimming wire leads for use with a lighting control panel or other control method.

Photocontrol (PER and PER7)

Optional button-type photocontrol (P) and photocontrol receptacles (RER and PER7) provide a flexible solution to enable “dusk-to-dawn” lighting by sensing light levels. Advanced control systems compatible with NEMA 7-pin standards can be utilized with the PER7 receptacle.

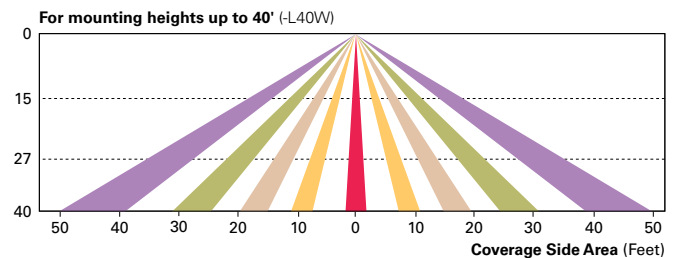
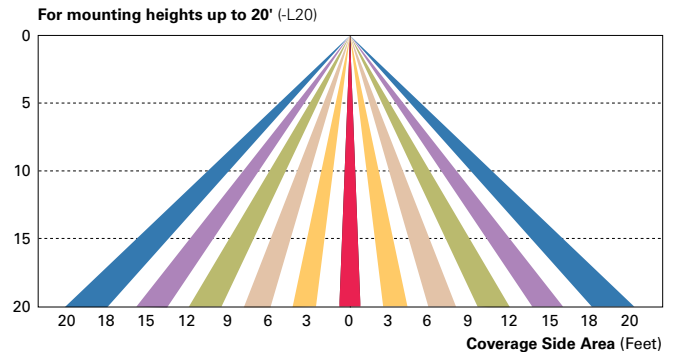
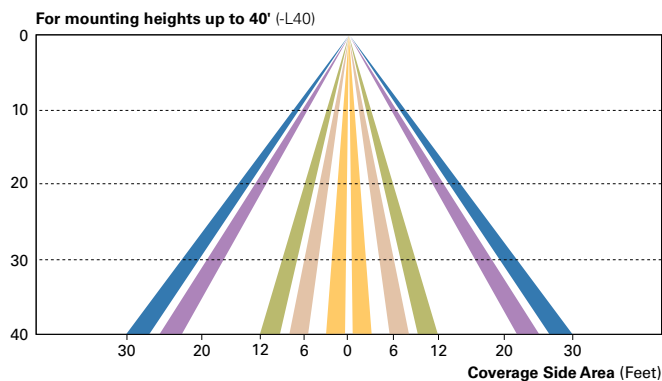
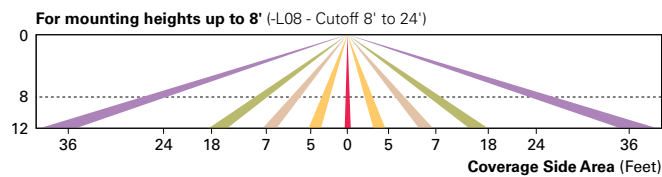
After Hours Dim (AHD)

This feature allows photocontrol-enabled luminaires to achieve additional energy savings by dimming during scheduled portions of the night. The dimming profile will automatically take effect after a “dusk-to-dawn” period has been calculated from the photocontrol input. Specify the desired dimming profile for a simple, factory-shipped dimming solution requiring no external control wiring. Reference the After Hours Dim supplemental guide for additional information.

Dimming Occupancy Sensor (MS/DIM-LXX, MS/X-LXX and MS-LXX)

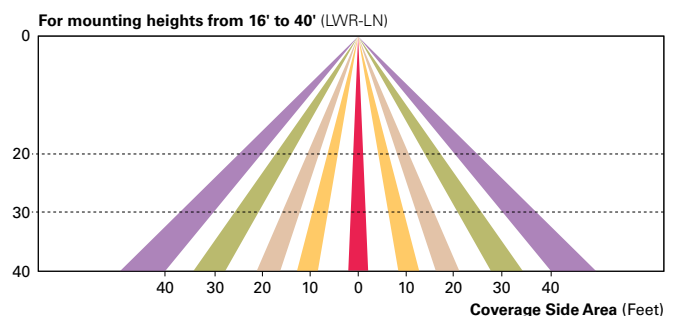
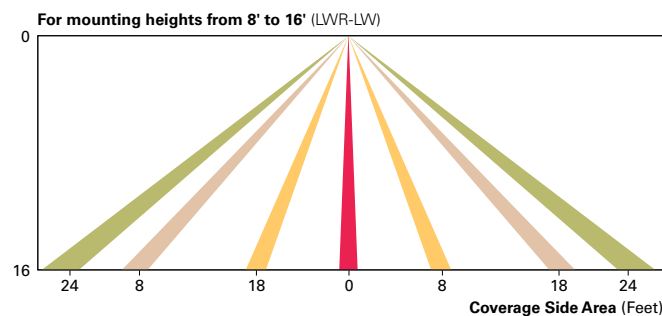
These sensors are factory installed in the luminaire housing. When the MS/DIM-LXX sensor option is selected, the occupancy sensor is connected to a dimming driver and the entire luminaire dims when there is no activity detected. When activity is detected, the luminaire returns to full light output. The MS/DIM sensor is factory preset to dim down to approximately 50 percent power with a time delay of five minutes. The MS-LXX sensor is factory preset to turn the luminaire off after five minutes of no activity. The MS/X-LXX is also preset for five minutes and only controls the specified number of light engines to maintain steady output from the remaining light engines.

These occupancy sensors includes an integral photocell that can be activated with the FSIR-100 accessory for “dusk-to-dawn” control or daylight harvesting - the factory preset is OFF. The FSIR-100 is a wireless tool utilized for changing the dimming level, time delay, sensitivity and other parameters. A variety of sensor lens are available to optimize the coverage pattern for mounting heights from 8'-40'.



LumaWatt Pro Wireless Control and Monitoring System (LWR-LW and LWR-LN)

The Eaton's LumaWatt Pro powered by Enlighted is a connected lighting solution that combines a broad selection of energy-efficient LED luminaires with a powerful integrated wireless sensor system. The sensor controls the lighting system in compliance with the latest energy codes and collects valuable data about building performance and use. Software applications turn the granular data into information through energy dashboards and specialized apps that make it simple and help optimize the use of building resources, beyond lighting.



WaveLinx Wireless Outdoor Lighting Control Module (WOLC-7P-10A)

The 7-pin wireless outdoor lighting control module enables WaveLinx to control outdoor area, site and flood lighting. WaveLinx controls outdoor lighting using schedules to provide ON, OFF and dimming controls based on astronomic or time schedules based on a 7 day week.

LumenSafe Integrated Network Security Camera (LD)

Eaton brings ease of camera deployment to a whole new level. No additional wiring is needed beyond providing line power to the luminaire. A variety of networking options allows security integrators to design the optimal solution for active surveillance. As the ideal solution to meet the needs for active surveillance, the LumenSafe integrated network camera is a streamlined, outdoor-ready fixed dome that provides HDTV 1080p video. This IP camera is optimally designed for deployment in the video management system or security software platform of choice.


ORDERING INFORMATION

Sample Number: NAV-AF-01-D-UNV-T3-10K-AI-AP

Product Family ^{1,2}	Light Engine	Number of Light Squares ³	Driver	Voltage	Distribution	Surge Protection
NAV=Navion	AF	01=1 02=2 03=3 04=4 05=5 06=6	D=Dimming	UNV=Universal (120-277V) 347=347V ⁴ 480=480V ⁵	T2=Type II T2R=Type II Roadway T3=Type III T3R=Type III Roadway T4FT=Type IV Forward Throw T4W=Type IV Wide 5NQ=Type V Narrow 5MQ=Type V Square Medium 5WQ=Type V Square Wide SL2=Type II w/Spill Control SL3=Type III w/Spill Control SL4=Type IV w/Spill Control SLL=90° Spill Light Eliminator Left SLR=90° Spill Light Eliminator Right RW=Rectangular Wide Type I AFL=Automotive Front Line	10K=Cooper 10kV Surge Module (Standard) X=Driver Surge Protection Only ⁶
Options (Add as Suffix)						Color
2L=Two Circuits ⁷ 8030=80 CRI / 3000K ⁸ 7030=70 CRI / 3000K ⁸ 7060=70 CRI / 6000K ⁸ 7050=70 CRI / 5000K ⁸ 600=Drive Current Factory Set to 600mA ⁹ 800=Drive Current Factory Set to 800mA ⁹ 1200=Drive Current Factory Set to 1200mA ⁹ PER=NEMA Twistlock Photocontrol Receptacle PER7=7-PIN NEMA Twistlock Photocontrol Receptacle ¹⁰ IP66=IP66 Rated HA=50°C High Ambient ¹¹ L90=Optics Rotated 90° Left R90=Optics Rotated 90° Right CE=CE Marking ¹²			MS/DIM-L08=Motion Sensor for Dimming Operation, Maximum 8' Mounting Height ¹³ MS/DIM-L20=Motion Sensor for Dimming Operation, 9' - 20' Mounting Height ¹³ MS/DIM-L40=Motion Sensor for Dimming Operation, 21' - 40' Mounting Height ¹³ MS/X-L08=Bi-Level Motion Sensor, Maximum 8' Mounting Height ¹⁴ MS/X-L20=Bi-Level Motion Sensor, 9' - 20' Mounting Height ¹⁴ MS/X-L40=Bi-Level Motion Sensor, 21' - 40' Mounting Height ¹⁴ K=Level Indicator AI=Arm Included ¹⁵ A15=Arm Included (15" Straight Arm) ¹⁶ LCF=Light Square Trim Plate Painted to Match Housing HSS=Factory Installed House Side Shield ¹⁷ LWR-LW=LumaWatt Pro Wireless Sensor, Wide Lens for 8' - 16' Mounting Height ^{18, (A)} LWR-LN=LumaWatt Pro Wireless Sensor, Narrow Lens for 16' - 40' Mounting Height ^{18, (A)} AHD145=After Hours Dim, 5 Hours ¹⁹ AHD245=After Hours Dim, 6 Hours ¹⁹ AHD255=After Hours Dim, 7 Hours ¹⁹ AHD355=After Hours Dim, 8 Hours ¹⁹			AP=Grey (Standard) BZ=Bronze BK=Black DP=Dark Platinum GM=Graphite Metallic WH=White
Accessories (Order Separately)						BLACK FINISH
OA1223=10kV Surge Module Replacement OA/RA1013=Photocontrol Shorting Cap OA/RA1014=NEMA Photocontrol - 120V OA/RA1016=NEMA Photocontrol - Multi-Tap OA/RA1027= NEMA Photocontrol - 480V OA/RA1201=NEMA Photocontrol - 347V MA1010-XX=Single Tenon Adapter for 3-1/2" O.D. Tenon			MA1011-XX=2@180° Tenon Adapter for 3-1/2" O.D. Tenon MA1012-XX=3@120° Tenon Adaptor for 3-1/2" O.D. Tenon MA1013-XX=4@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1014-XX=2@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1015-XX=2@120° Tenon Adapter for 3-1/2" O.D. Tenon MA1016-XX=3@90° Tenon Adapter for 3-1/2" O.D. Tenon MA1017-XX=Single Tenon Adapter for 2-3/8" O.D. Tenon			MA1018-XX=2@180° Tenon Adapter for 2-3/8" O.D. Tenon MA1019-XX=3@120° Tenon Adapter for 2-3/8" O.D. Tenon MA1045-XX=4@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1048-XX=2@90° Tenon Adapter for 2-3/8" O.D. Tenon MA1049-XX=3@90° Tenon Adapter for 2-3/8" O.D. Tenon FSIR-100=Wireless Configuration Tool for Motion Sensor ²⁰ LS/HSS=Field Installed House Side Shield ²¹ A15=15" Straight Arm ²² WOLC-7P-10A=WaveLinux Outdoor Control Module (7-pin) ^{23, (C)}

- NOTES:**
- DesignLights Consortium® Qualified and classified for both DLC Standard and DLC Premium, refer to www.designlights.org for details.
 - Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
 - Standard 1A drive current. Standard 4000K CCT and minimum 70 CRI.
 - Requires the use of an internal step down transformer when combined with sensor options. Not available with sensor at 1200mA. Not available in combination with the HA high ambient and sensor options at 1A.
 - Only for use with 480V Wye systems. Per NEC, not for use with ungrounded systems, impedance grounded systems or corner grounded systems (commonly known as Three Phase Three Wire Delta, Three Phase High Leg Delta and Three Phase Corner Grounded Delta systems).
 - Consult factory for driver surge protection values.
 - Low-level output varies by number of light squares specified. Consult factory. 2L is not available with MS/X, MS/DIM, DIMRF-LW or DIMRF-LN in combination with 347V or 480V. 2L is available in 4 and 6 light square configurations. No terminal block with 2L options.
 - Use dedicated IES files for 3000K, 5000K and 6000K when performing layouts. These files are published on the Navion luminaire product page on the website. Extended lead times apply.
 - 1 Amp standard. Use dedicated IES files for 600mA, 800mA and 1200mA when performing layouts. These files are published on the Navion luminaire product page on the website.
 - Only available with dimming driver. Not available with MS, MS/DIM or DIMRF options.
 - Not available with 1200mA.
 - CE is not available with the 1200mA, DIMRF, MS, MS/X, MS/DIM, PER or PER7 options. Available in 120-277V only.
 - Sensor mounted externally. Must specify dimming driver. Consult factory for more information.
 - Sensor mounted externally. Available in 4, 5 or 6 light square configurations. Replace "X" with number of squares in low output mode. For ON/OFF operation, replace "X" with "0". Maximum two squares in low output mode.
 - 22" upsweep arm. Round pole adapter and mounting hardware included, "M" drill pattern.
 - Round pole adapter and mounting hardware included, "M" drill pattern.
 - Only for use with SL2, SL3, SL4 and AFL distributions. The light square trim plate is painted black when the HSS option is selected.
 - LumaWatt Pro wireless sensors are factory installed only requiring network components LWP-EM-1, LWP-GW-1, and LWP-PoE8 in appropriate quantities. See www.eaton.com/lighting for LumaWatt application information. Not available with PER, PER7, or 2L options.
 - Requires the use of PER or PER7 photocontrol receptacle with photocontrol accessory. See After Hours Dim supplemental guide for additional information.
 - This tool enables adjustment of parameters including high and low modes, sensitivity, time delay, cutoff and more. Consult your lighting representative at Eaton for more information.
 - One required for each light square.
 - Replace XX with paint color.
 - Requires 7-pin NEMA twistlock photocontrol receptacle.

LumenSafe Integrated Network Security Camera Technology Options (Add as Suffix)

Product Family	Camera Type	Data Backhaul
L=LumenSafe Technology* 	D=Dome Camera	C=Cellular, Customer Installed SIM Card A=Cellular, Factory Installed AT&T SIM Card V=Cellular, Factory Installed Verizon SIM Card S=Cellular, Factory Installed Sprint SIM Card R=Cellular, Factory Installed Rogers SIM Card W=Wi-Fi Networking w/ Omni-Directional Antenna E=Ethernet Networking

*Consult LumenSafe system pages for additional details and compatibility. Not available with 347V, 480V or high ambient options.



City of San Antonio Development Services Department



Address Verification and Assignment ADDR-AVAA-18-900456 SAISD Temporary Parking Lot December 17, 2018

Parcel

485185

Address Information

Primary	Address Type	Street #	Pre Direction	Street Name	Street Type	Post Direction	Unit/Suite	Level	Building	City	State	Zip Code	Plat #
Y													

Owner

First Name	Last Name	Organization	Recipient	Address
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Licensed Professional

License #	License Type	Business Name	Address 1, City, State, Zip Code	Address 2	Last Name, First Name	Mobile Phone	Email
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Contact

Contact Type	Last Name, First Name	Organization Name	Recipient	Email	Primary Phone	Address 1	Address 2	City	State	Zip Code
Applicant	WEICHERT, STACEY			SWEICHERT@PAPE-DA2103759000 WSO.COM		2000 NW LOOP 410		SAN ANTONIO	TX	78213
Engineer	WEICHERT, STACEY			SWEICHERT@PAPE-DA2103759000 WSO.COM		2000 NW LOOP 410		SAN ANTONIO	TX	78213

Project Information

ASI Type	ASI Name	ASI Value
ADDRESS PROPOSED ZONING	Proposed Zoning	Downtown
ADDRESS TYPE OF REQUESTS	Assignment of a New Address	CHECKED
ADDRESS TYPE OF REQUESTS	Change of Address on Permit	UNCHECKED
ADDRESS TYPE OF REQUESTS	Change of Existing Address	UNCHECKED
ADDRESS TYPE OF REQUESTS	Description	Temporary Parking Lot
ADDRESS TYPE OF REQUESTS	Do you want to Expedite?	No
ADDRESS TYPE OF REQUESTS	Request for Building Number(s)	UNCHECKED
ADDRESS TYPE OF REQUESTS	Request for Suite Number(s)	UNCHECKED
ADDRESS TYPE OF REQUESTS	Verification of an Existing Address	UNCHECKED
APPLICANT_COPY	Architect	UNCHECKED
APPLICANT_COPY	Authorized Agent	UNCHECKED
APPLICANT_COPY	Business Owner	UNCHECKED
APPLICANT_COPY	Contractor	UNCHECKED
APPLICANT_COPY	Engineer	CHECKED
APPLICANT_COPY	Facility Manager	UNCHECKED
APPLICANT_COPY	Non-Profit	UNCHECKED
APPLICANT_COPY	Property Owner	UNCHECKED
APPLICANT_COPY	Recipient	UNCHECKED
APPLICANT_COPY	Surveyor	UNCHECKED

CONTACT INFORMATION	Contact Flag	1
ICRIP ELIGIBILITY	Are you ICRIP Approved?	No
PROPERTY INFORMATION	BCAD Property or Geo ID No.	101531
PROPERTY INFORMATION	Block No.	1
PROPERTY INFORMATION	City Parcel Key No.	485185
PROPERTY INFORMATION	COD/Plat ID No.	000277
PROPERTY INFORMATION	Existing BCAD Address or Known Address	Camaron Street, San Antonio TX 78205
PROPERTY INFORMATION	Lot No.	38
PROPERTY INFORMATION	NCB No.	485185
PROPERTY INFORMATION	Subdivision/Plat Name	Fox Tech High School
PROPERTY TYPE	Commercial	CHECKED
PROPERTY TYPE	General Description of Location	Near Camaron street and West Martin Street
PROPERTY TYPE	Multi Family Residential	UNCHECKED
PROPERTY TYPE	Single Family Residence	UNCHECKED
PROPERTY TYPE	Two Dwelling Unit Residential	UNCHECKED
PROPOSED/EXISTING USE	Accessory Address	UNCHECKED
PROPOSED/EXISTING USE	Commercial	CHECKED
PROPOSED/EXISTING USE	Commercial Type Explanation	Temporary Parking Lot
PROPOSED/EXISTING USE	Current Address	Camaron Street, San Antonio TX 78205
PROPOSED/EXISTING USE	Multi-Family Residential	UNCHECKED
PROPOSED/EXISTING USE	Other	UNCHECKED
PROPOSED/EXISTING USE	Proposed Address	Camaron Street
PROPOSED/EXISTING USE	Single-Family Residential	UNCHECKED
PROPOSED/EXISTING USE	Total Number of Floors (per structure)	0
PROPOSED/EXISTING USE	Total Number of Lots	1
PROPOSED/EXISTING USE	Total Number of Structures	0
PROPOSED/EXISTING USE	Two Dwelling Unit Residential	UNCHECKED
REQUEST FOR ADDRESS CHANGE	Existing Numbers Out of Sequence	UNCHECKED
REQUEST FOR ADDRESS CHANGE	New Construction	CHECKED
REQUEST FOR ADDRESS CHANGE	Other	UNCHECKED
REQUEST FOR ADDRESS CHANGE	Property Split/Merge	UNCHECKED
SYS_ATTR	UploadedDocTypes	Site Plan (PDF format)~~Approved or Recorded Plat - PDF
TEMP_EXPR_VALIDATOR	Is expression to be triggered?	Y

Custom Tables

DELEGATE CONTACTS

2	Name	Nicole
	Reference Contact ID	7695
	Select	UNCHECKED
	Type	individual

GIS JURISDICTIONS

0	Parcel	485185
	Type	San Antonio City Limits
	Value	City of San Antonio
1	Parcel	485185
	Type	Council District
	Value	1

GIS LAND DEVELOPMENT

0	Parcel	485185
	Type	Neighborhood Association(s)
	Value	Downtown Residents Association - 106
1	Parcel	485185
	Type	School District
	Value	San Antonio ISD
2	Parcel	485185
	Type	Tax Increment Financing Reinvestment Zone (TIRZ)
	Value	Houston Street
3	Parcel	485185
	Type	USGS Grid
	Value	29098-D4

GIS WATER AREAS

0	Parcel	485185
	Type	FEMA
	Value	1
1	Parcel	485185
	Type	Watershed
	Value	Upper SAR

GIS ZONING BASE

0	Base Zone	D
	Case Number	20030051
	Ordinance Number	97651
	Parcel	485185
	Special Condition	
	Special District	

GIS ZONING OVERLAY

0	Parcel	485185
	Type	Airport Hazard Overlay District (AHOD)
	Value	AHOD
1	Parcel	485185
	Type	Future Land Use
	Value	Mixed Use - Downtown
2	Parcel	485185
	Type	Neighborhood Community Perimeter Plan
	Value	Downtown
3	Parcel	485185
	Type	River Improvement Overlay (RIO)
	Value	RIO-7A

PARCEL SELECTED

2	City Parcel Number	485185
	County Property ID	101531
	Initial Parcel	Y
	Legal Description	NCB 132 LOT 38 FOX TECH HIGH SCHOOL
	Parcel Area	2

PARCEL SELECTED DISP

2	City Parcel Number	485185
	County Property ID	101531
	Initial Parcel	Y

2 Legal Description NCB 132 LOT 38 FOX TECH HIGH SCHOOL
Parcel Area 2

Documents

<u>Category</u>	<u>Name</u>	<u>Entity Type</u>
Site Plan (PDF format)	181214-C3.0.pdf	CAP
Approved or Recorded Plat - PDF	Plat 000277.pdf	CAP
zz Review Document	181214-C3.Site Plan (PDF	CAP
zz Review Document	format)_v1_Technical Review_0.pdf	CAP
Other	Approved or Recorded Plat -	CAP
COSA Address Plat	PDF_v1_Technical Review_Plat	CAP
COSA Addressing Other	000277.pdf	CAP
zz Review Document	Temporary Parking Lot	CAP
zz Review Document	Boundary-Model.dwg	CAP
zz Review Document	ADDR PLAT.pdf	CAP
zz Review Document	SITE PLAN.pdf	CAP
zz Review Document	Approved or Recorded Plat -	CAP
zz Review Document	PDF_v2_Technical Review_ADDR	CAP
zz Review Document	PLAT.pdf	CAP
zz Review Document	Site Plan (PDF format)_v2_Technical	CAP
zz Review Document	Review_SITE PLAN.pdf	CAP

Fees

<u>Fee Item</u>	<u>Fee Amount</u>	<u>Invoice Number</u>	<u>Assessed Date</u>	<u>Balance</u>
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OATH

I swear or affirm that the statements contained in this application, including any attachments and related documents, to the best of my knowledge and belief are true, correct, and complete.

CERTIFICATION

I certify that I have read and understand the instructions that accompany this application and that the statements made as part of this application are true, complete, and correct and that no material information has been omitted. By checking the box below, I understand and agree that I am electronically signing and filing this application. By checking this box, I agree to the above certification and am signing this application electronically. I agree my electronic signature is the legal equivalent of my manual signature on this application.

Your application has been submitted and can be monitored/tracked via the online DSD portal www.URL for ACA.com