

HISTORIC AND DESIGN REVIEW COMMISSION

March 03, 2021

HDRC CASE NO: 2021-085
ADDRESS: 4002 ROOSEVELT AVE
LEGAL DESCRIPTION: NCB 7464 BLK 2 LOT 1 HARLANDALE MEMORIAL STADIUM
SUBD.
ZONING: I-1, H
CITY COUNCIL DIST.: 3
PUBLIC PROPERTY: Yes
DISTRICT: Mission Historic District
APPLICANT: Suresh Modadugu/RVK ARCHITECTS
OWNER: Kyle Blakeney/HARLANDALE I S D
TYPE OF WORK: Site and utility work, surface parking, soccer field construction
APPLICATION RECEIVED: February 11, 2021
60-DAY REVIEW: Not applicable due to City Council Emergency Orders
CASE MANAGER: Edward Hall

REQUEST:

The applicant is requesting a Certificate of Appropriateness for approval to perform site and utility work resulting in the creation of new surface parking, the relocation of soccer fields, landscape improvements, and utility improvements at 4002 Roosevelt, located within the Mission Historic District.

APPLICABLE CITATIONS:

Mission Historic District Design Manual

Section 4: Guidelines for Landscape and Site Elements

A. LANDSCAPE, BUFFER YARDS, AND SITE DESIGN

- i. Preserve existing and native vegetation — Preserve existing and native vegetation to the fullest extent possible and protect existing vegetation, trees, and their root systems throughout the construction process. All healthy or non-diseased existing vegetation within the bufferyard shall be preserved, unless the removal of vegetation is necessary to provide utilities or to provide pedestrian and/or vehicular access to the site.
- ii. Landscape buffers — A landscape bufferyard is required. Where lot depth allows, 20-foot landscape buffer between parking areas and the street as stipulated in the RIO design standards should be incorporated. Where lot depth does not allow, or the immediate historic context requires a minimal front yard building setback, provide the maximum landscape buffer area that the site can reasonably accommodate.
- iii. Landscape planting palette — Plants utilized to fulfill the landscaping requirements shall be selected from the list of native Texas plants in the San Antonio Recommended Plant List found in the UDC Appendix E. Use plant communities representative of the Northern Blackland Prairie riparian and Tallgrass ecosystems for landscaping on sites adjacent to the Mission Reach.
- iv. Archaeological features — Where archaeological evidence indicates a site contains or has contained a Spanish colonial acequia, the original path of the acequia shall be incorporated as a landscape feature of the site by including it as part of the landscape design.
- v. Utilities — On-site utilities, when introduced, shall be located underground unless required by the utility company, upon approval of the city, to be otherwise located.

B. STREETSCAPE AND AMENITIES

- i. Streetscape — Enhance the streetscape in new development with street infrastructure, planting areas, walkways, and landscaping. Provide visual, functional, and aesthetic continuity along the street corridor, designing improvements to meet long term community design objectives.
- ii. Amenities — Incorporate amenities that facilitate outdoor activities appropriate to the site, including seating for comfort and landscaping for shade and aesthetics. Trails and public open spaces should feature wayfinding and interpretive signage, benches, bicycle racks, trash cans, art work, and landscaping that enhance site usage and pedestrian experience.
- iii. Water features — Water features such as fountains are encouraged. If water features are included, site design details shall include a maintenance plan and use recycled water.
- iv. Pedestrian and Bicycle Circulation Systems — Provide complete, efficient, and aesthetically pleasing pedestrian and bicycle circulation systems within the site. Coordinate and connect with pedestrian walks and bicycle ways along the street and at abutting lots. For additional guidance, please see the City of San Antonio's Bike Master Plan.
- v. Sidewalk-Trail Connectivity — Connect new mixed-use, commercial, and residential development to adjacent public walk and trail networks. Provide through-passage for walks and trails as part of the public network.

C. OFF-STREET PARKING AND HARDSCAPES

- i. Parking Areas — In general, parking areas should be located beside and/or behind buildings within urban historic contexts and on primary corridors north of SE Military. Parking areas within the front yard are discouraged. Where permitted, they should be limited to a single drive and a single row of parking.
- ii. Cooperative Parking Agreements — Utilize cooperative parking agreements where possible to reduce the number of unused or seldom used parking spaces.
- iii. Driveway Access-Driveway Reductions — Wherever possible, establish a single driveway access point to a site for automobiles. The establishment of shared driveways serving adjacent sites is strongly encouraged and may be required. In addition, reduce the number of driveways and driveway widths on existing developed properties to minimize the conflicts between pedestrians, bicyclists, and vehicles. Individual driveways should be no wider than 24 feet, but shared driveways may be 30 feet wide and incorporate a pedestrian median.
- iv. Parking Stalls and Pavement Areas — The redesign of parking stalls and paving areas in a private development to provide defined entrances, access lanes, parking spaces, pedestrian walks, and landscape areas is strongly encouraged.
- v. Pavement Area Reduction — Reduce the amount of existing paving on a site to the minimum needed to accommodate circulation needs. Replace unnecessary paved areas with landscape areas that provide shade and enhance the character of the site, or permeable pavement surfaces for reduce ponding and facilitate stormwater drainage. Parking areas with ten (10) or more spaces located in the side and rear yards shall be interrupted with landscaped areas (pods) at a ratio of sixteen point two (16.2) square feet landscaped area for every one (1) vehicle parking spot. Pods may be used to meet the requirement for tree and understory preservation, parking lot canopy trees and/or pedestrian circulation system.
- vi. Tree Canopy — Canopy trees shall be integrated into the design of surface parking lots to provide shade for a minimum of 25 percent of any individual parking lot.
- vii. Pavement Treatments — Where possible, reduce the extent of existing impervious cover on existing developed properties undergoing redevelopment. In high traffic areas replace impervious cover with crushed granite, pervious pavers, pervious asphalt or other pervious materials. Impervious areas with no or only occasional traffic are recommended to be replaced with drought tolerant and heat resistant vegetation.
- viii. Screening for Parking Areas — Where possible, screen parking areas from the sidewalk and street with landscaping that allows a filtered view of the parking area but reduces its overall visual impact. Notwithstanding the Metropolitan Corridor requirements, new masonry walls or earthen berms are discouraged in the Mission Historic District as a method for screening parking.

ix. Pedestrian Routes — Provide a minimum 4-foot-wide continuous pedestrian route connecting the primary building entrance to the street sidewalk, parking areas, and any existing or planning pedestrian circulation systems abutting the site. Coordinate pedestrian routes with landscape areas and enhancements. Pedestrian routes shall be separated from parking stalls and vehicular drives with vegetation and/or landscaping material. Pedestrian routes may cross loading areas or vehicular drives but in such cases shall include high visibility pavement markings.

x. Pedestrian Lighting — Provide adequate onsite lighting for pedestrian walks and entrances that enhance the visual character of the streetscape experience. Like parking areas, lighting should be pointed down on the sidewalk.

D. LOW IMPACT DESIGN STRATEGIES

i. Low-Impact Development Techniques — Low Impact Development (LID) strategies for managing stormwater throughout the district. In consultation with SARA and City staff (Transportation & Capital Improvements), determine how a property under development fits conceptually within the regional strategy for stormwater management and ecological design. Coordinate designs with the approaches implemented or envisioned for adjacent sites within the vicinity.

ii. Plantings for Low-Impact Development — Incorporate native plant communities into design solutions for Low Impact Development (LID) to the maximum extent possible. Stormwater retention and detention facilities can double as attractive and ecologically valuable natural areas. Plants can slow the flow of water, aid in the breakdown of pollutants, and reduce the holding time for stormwater.

iii. Stormwater Runoff — Grade or re-grade the site being developed to reduce or eliminate stormwater runoff to street right-of-ways. Hold water on the property for landscape irrigation and groundwater recharge when possible. Landscaped detention ponds and bioswales are encouraged.

iv. Landscape Amenities-Irrigation — To the extent possible, design stormwater management facilities as landscape amenities incorporated into the site's overall landscape plan or as part of the required bufferyard. Utilize rain gardens and natural retention/detention ponds to capture and store runoff for groundwater recharge. Capture and store rainwater that falls on rooftops and condensation from air conditioners for landscape irrigation.

FINDINGS:

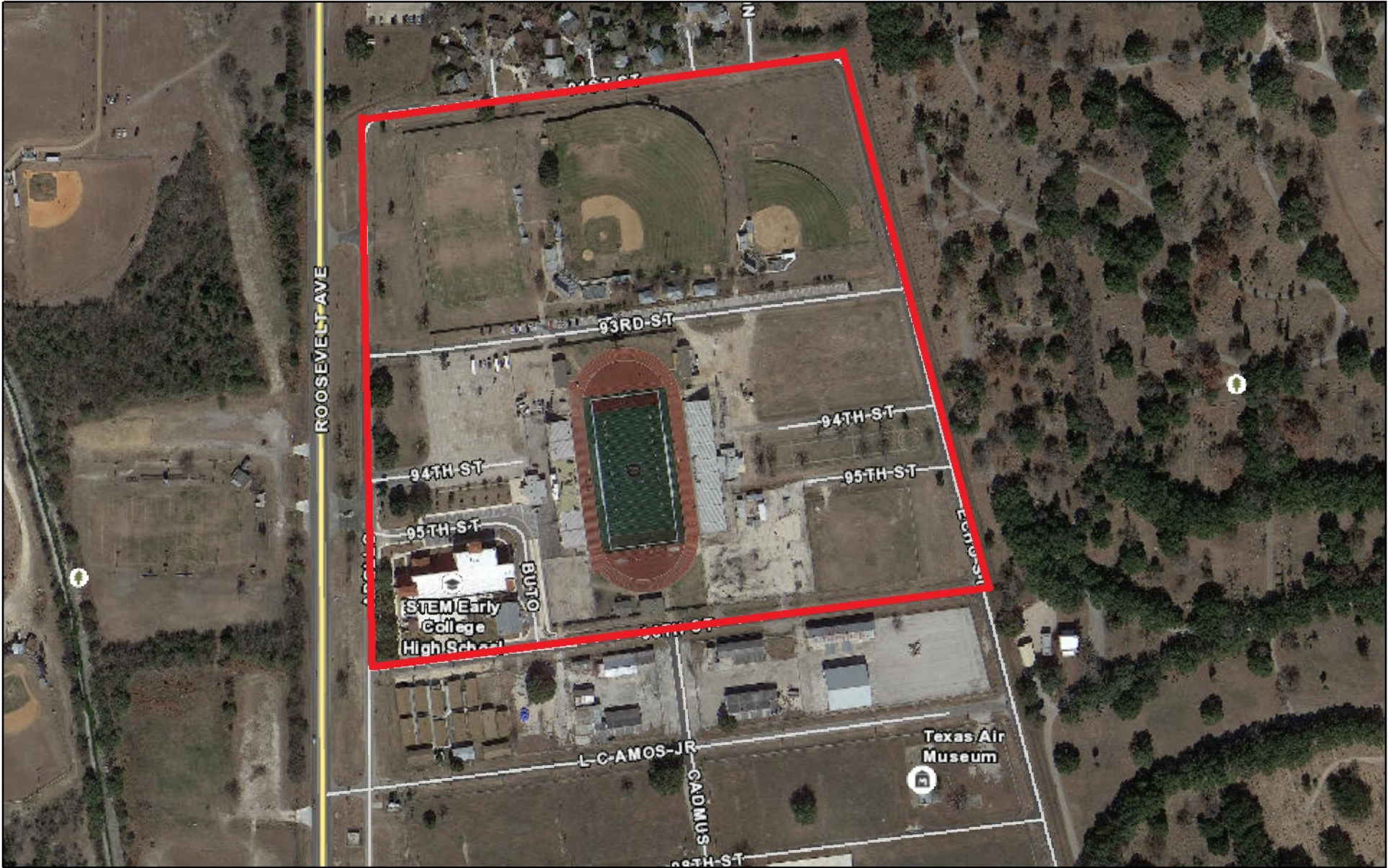
- a. The applicant is requesting a Certificate of Appropriateness for approval to perform site and utility work resulting in the creation of new surface parking, the relocation of soccer fields, landscape improvements, and utility improvements at 4002 Roosevelt, located within the Mission Historic District.
- a. CONTEXT & DEVELOPMENT PATTERN – The property at 4002 Roosevelt is located within the Mission Historic District south of SE Military Highway and to the immediate northwest of Stinson Municipal Airport. The surrounding area features residential, commercial, industrial, and institutional structures as well as sports fields.
- b. SITE WORK AND PARKING – The applicant has noted the creation of additional surface parking throughout the site. Per the site plan, surface parking appears to be buffered from pedestrian pathways within the site. This is consistent with the Mission Historic District Design Manual. The applicant has noted the installation of site lighting. The applicant should ensure that site lighting does not produce light pollution.
- c. STADIUM BLEACHER REPLACEMENT – The applicant has proposed to replace existing, stadium bleachers. Staff finds this to be appropriate.
- d. ARCHAEOLOGY – The property is located within the Mission Parkway National Register of Historic Places District and Mission Local Historic District. In addition, the project area is in close proximity to previously recorded site 41BX2221. Therefore, an archaeological investigation is required. Construction within public property is subject to the Texas Antiquities Code. The project shall comply with all federal, state, and local laws, rules, and regulations regarding archaeology, as applicable.

RECOMMENDATION:

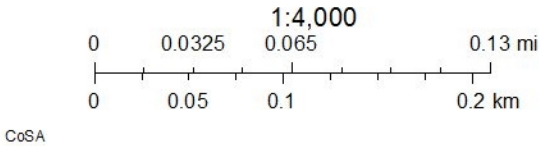
Staff recommends approval based on findings a through c with the stipulation that the applicant adhere to the Mission Historic District Design Manual and Unified Development Code for all design elements associated with parking, landscaping, and lighting.

An archaeological investigation is required. The project shall comply with all federal, state, and local laws, rules, and regulations regarding archaeology, as applicable.

City of San Antonio One Stop



February 26, 2021



100% Design Development

Harlandale ISD

Harlandale Memorial Stadium

1109-1101 apollo st.
san antonio, texas

Architect Interior Designer Landscape Architect
San Antonio, Texas

Pape-Dawson Engineers, Inc.
Civil Engineer
San Antonio, Texas

Lundy & Franke Engineering
Structural Engineer
San Antonio, Texas

MEP Engineering, Inc.
MEP Engineer
San Antonio, Texas

CONSTRUCTION DOCUMENT ORGANIZATION

This set of CONSTRUCTION DOCUMENTS is presented in two parts :
a set of technical SPECIFICATIONS and a set of DRAWINGS.

1. DRAWINGS

DRAWINGS are organized according to disciplines, with each discipline describing a general aspect of the construction. Disciplines are arranged in the order of typical construction sequence as follows:

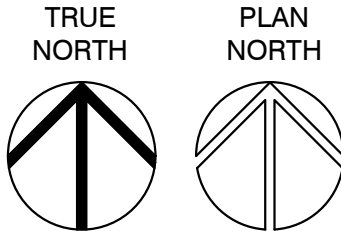
- C - CIVIL:
Work relating to site grading, parking, and utilities.
- A - ARCHITECTURAL:
Work required to produce the basic building envelope, including:
Floor plan(s), roof plan(s), exterior elevations, building sections, wall sections, stair details, exterior enclosure details, interior floor plan(s), enlarged plans, interior elevations, interior partition sections, interior details, cabinets, millwork, equipment details, ceilings and floor finishes.
- S - STRUCTURAL:
Work related to the building structure.
- M - MECHANICAL:
Work related to heating, ventilating and cooling systems.
- P - PLUMBING:
Work related to plumbing systems.
- E - ELECTRICAL:
Work related to the electrical system.
- L - LANDSCAPING:
Work relating to tree preservation, landscape and irrigation.

2. DRAWING NUMBERING

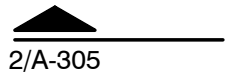
16 JAMB DETAIL

Each drawing is numbered preceding the drawing title. In this example, drawing 16 represents the sixteenth drawing on a sheet of the architectural discipline, a JAMB DETAIL.

3. SYMBOLS

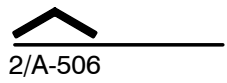


This symbol (with solid black arrow) represents the direction of true north for this set of drawings. This symbol (with outlined arrow) represents the direction of "project" north for this set of drawings.

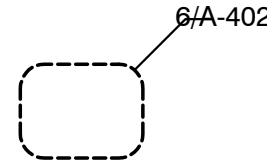


This symbol is a key to a building section drawing taken along the straight line of the symbol. The arrow points in the direction of the view for the section. The number is a reference to the section drawing, in this example, drawing 2, sheet A-305.

3. SYMBOLS (continued)



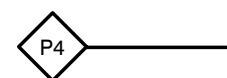
This symbol is a key to a section drawing taken along the straight line of the symbol. The arrow points in the direction of the view for the section. The number is a reference to the section drawing, in this example, drawing 2, sheet A-506.



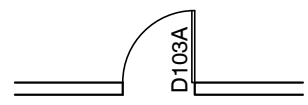
This symbol is a key to a detail drawn of the area within the dashed line. The number is a reference to the detail drawing, in this example, drawing 6, sheet A-402.



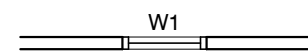
This symbol is a key to an elevation drawing. The arrow points in the direction of view for the elevation. The number is a reference to the elevation drawing, in this example, drawing 5, sheet A-203.



This symbol is a key to a partition type, if included. The number is a reference to the partition drawing, in this example, partition type "P4".



This symbol is a key to the door schedule. All doors are keyed with a letter "D" and the room number. If more than one door, "A", "B", etc. is added. See door "D103A" in the Door Schedule.



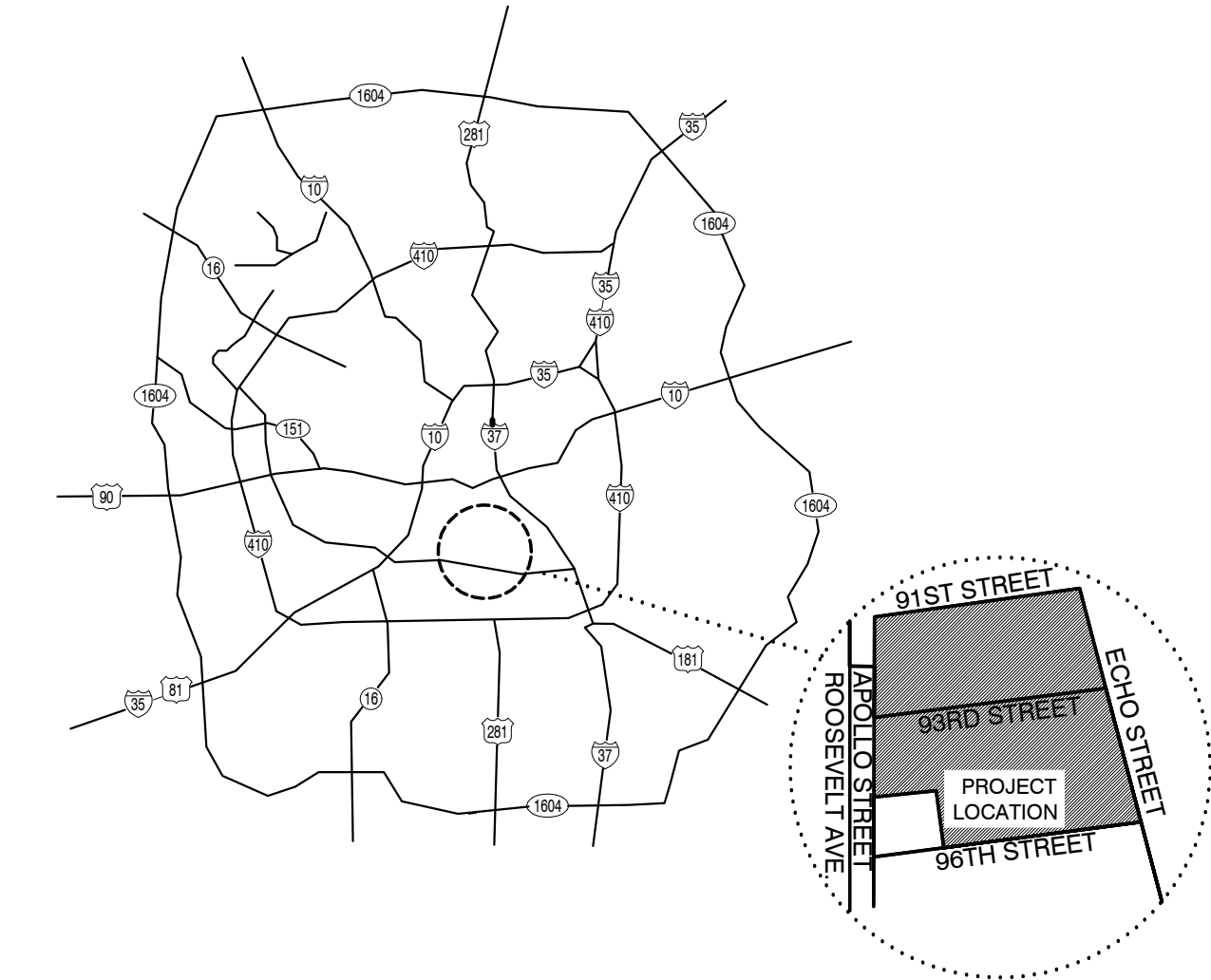
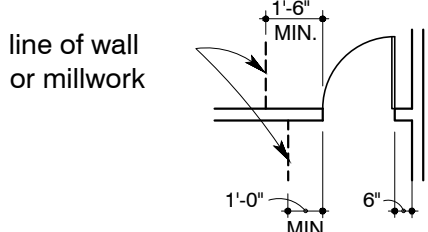
This symbol is a key to the window schedule if included. Windows are keyed with a pre-fix "W". In this example, see "W1" in the Window Schedule.

4. DIMENSIONS

All plan dimensions are to the face of stud framing or face of masonry unless otherwise noted.

5. TYPICAL DOOR PLACEMENT

All doors are to be installed with the clearances indicated below unless otherwise noted.



GENERAL NOTES

All Subcontractors and Construction Workers must read the written Specifications contained in the Project Manual. The Specifications contain additional surface preparation or installation requirements for the building materials, products or components that are being placed or installed.

The installation / application information shown on the Drawings is not complete without the written Specifications. If the Specifications / Project Manual is not with these Drawings, ask the General Contractor for a copy to review before beginning your work.

The word PROVIDE when used in any document relating to this project, including but not limited to Drawings, Specifications, proposal requests, change orders and other similar documents, shall mean to furnish, install in place, connect, finish and complete, ready for use for its intended purpose.

CODE REVIEW SUMMARY

LOCATION
HISD Harlandale Memorial Stadium
1109-1101 Apollo Street
San Antonio, TX

ZONING
R-6, H MC-1 & I-1

SITE AREA
PARKING LOT AREA (EXISTING & PROPOSED) = 783,000 SF
TOTAL = 783,000 SF

ADDED PARKING
RECREATION/ATHLETIC FIELDS = 1:6 SEATS = 10,000/6 = 1,667 STALLS
ADDED: 1,397 STALLS

CODE BASIS
2018 INTERNATIONAL BUILDING CODE, IBC
2018 INTERNATIONAL EXISTING BUILDING CODE, IEB
2018 INTERNATIONAL RESIDENTIAL CODE, IRC
2018 INTERNATIONAL FIRE CODE, IFC
2018 INTERNATIONAL MECHANICAL CODE, IMC
2018 INTERNATIONAL PLUMBING CODE, IPC
2018 INTERNATIONAL FUEL GAS CODE, IFGC
2018 INTERNATIONAL ENERGY CONSERVATION CODE, IECC
2017 NATIONAL ELECTRICAL CODE, NEC
2018 SAN ANTONIO PROPERTY MAINTENANCE CODE
(BASED ON THE 2018 INTERNATIONAL PROPERTY MAINTENANCE CODE)
2018 INTERNATIONAL SWIMMING POOL AND SPA CODE, ISPC (ADOPTED BY CITY COUNCIL ON SEPT. 3, 2020)

OCCUPANCY TYPE
GROUP - A-5

CONSTRUCTION TYPE
NA

AUTOMATIC SPRINKLERS
NA

FIRE ALARM
NA

RATED CONSTRUCTION
NA

ARCHITECTURAL BARRIERS PROJECT #

TBD

SPECIAL INSPECTIONS REQUIREMENT

NONE



INDEX OF DRAWINGS

INDEX / COVER / LIFE SAFETY

CIVIL DRAWINGS

C1.00	EXISTING CONDITIONS & DEMOLITION PLAN
C3.00	DIMENSIONAL CONTROL PLAN
C3.10	SITE DETAILS
C3.10	PUBLIC DETAILS
C4.00	OVERALL GRADING AND DRAINAGE PLAN
C5.00	OVERALL UTILITY PLAN

STRUCTURAL DRAWINGS

S000	NOTES & DETAILS
S100	STADIUM BLEACHERS FRAMING PLAN
S200	PHOTOS
S201	PHOTOS

ARCHITECTURAL DRAWINGS

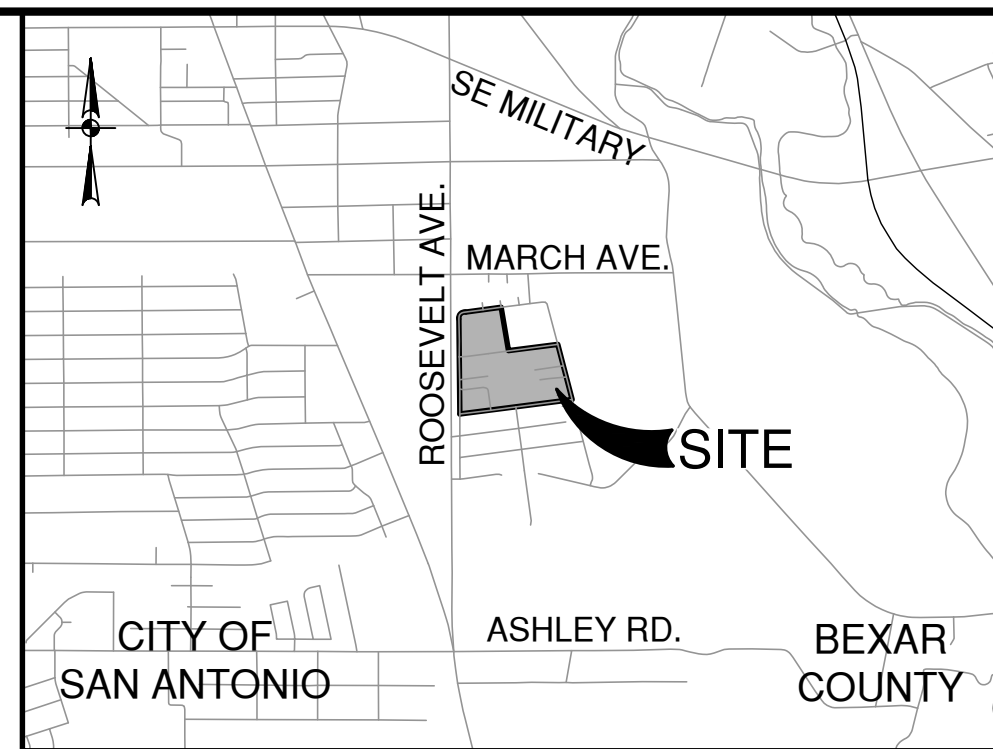
AD-101	ARCHITECTURAL DEMOLITION SITE PLAN
AS-101A	ARCHITECTURAL SITE PLAN - PHASE A
AS-101B	ARCHITECTURAL SITE PLAN - ALL PHASES
A-101	SOCCER FIELD PLAN & HANDICAP PARKING

MEP DRAWINGS

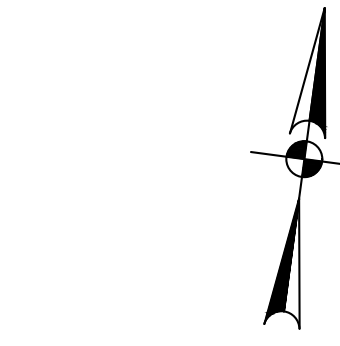
E1.0	ELECTRICAL SITE PLAN
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LANDSCAPE DRAWINGS

TP-101	TREE PRESERVATION DETAILS
TP-100	TREE PRESERVATION PLAN
L-101	PLANTING DETAILS
L-100	PLANTING PLAN



LOCATION MAP
NOT-TO-SCALE



SCALE: 1"= 50'
0' 50' 100' 150'

LEGEND:

- PROPERTY LINE
- EXISTING CONTOURS
- EXISTING TREE (REFERENCE LANDSCAPE PLAN FOR TREE PRESERVATION/REMOVAL)
- EXISTING TREE TO BE REMOVED (REFERENCE LANDSCAPE PLAN FOR TREE PRESERVATION/REMOVAL)

GENERAL NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL NECESSARY TRADE PERMITS/APPROVALS BEFORE BEGINNING CONSTRUCTION. NO WORK SHALL BE PERFORMED IN A PUBLIC RIGHT-OF-WAY WITHOUT A PERMIT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED TESTING, APPROVALS AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
- 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 TDDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND WATER AND SEWER PURVEYOR STANDARD SPECIFICATIONS.
- 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.
- CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT, CURBS AND SIDEWALKS AT NEW PAVEMENT, CURB AND SIDEWALK JUNCTURES. NO JAGGED OR IRREGULAR CUTS WILL BE ACCEPTED.
- 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.
- 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.
- 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-TEST 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.
- 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.
- 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.
- REFER TO LANDSCAPE PLANS FOR TREE PROTECTION.
- REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL DEMOLITION NOTES.

EXISTING UTILITIES:

- EXISTING UTILITIES SHOWN ARE BASED ON VISIBLE SURVEYED FEATURES AND/OR AVAILABLE MAPS. NO SUBSURFACE INVESTIGATIONS HAVE BEEN PERFORMED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR UTILITY LOCATORS AND CONFIRMING THE DEPTH AND LOCATION OF UTILITIES LOCATED AS REQUIRED TO SUPPORT THE WORK.
- NO TELEPHONE OR ELECTRIC UTILITIES ARE BELIEVED TO HAVE BEEN INSTALLED WITHIN THE PLATTED EASEMENTS SHOWN WITHIN THE PROPERTY; HOWEVER NO INVESTIGATION HAS BEEN PERFORMED.

TREE REMOVAL AND PROTECTION:

- REFER TO LANDSCAPE ARCHITECT PLANS FOR TREE REMOVAL AND PROTECTION DETAILS AND INFORMATION.
- REFER TO SWPPP FOR LIMITS OF CLEARING.

FLOODPLAIN NOTE:

NO GRADING, CLEARING, OR MATERIAL STORAGE IS ALLOWED WITHIN THE FLOODPLAIN LIMITS.

PAPE-DAWSON ENGINEERS

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

Harlandale ISD

Harlandale Memorial Stadium
1109-1101 apollo st.
san antonio, texas

revisions:

RVK
ARCHITECTURE

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

100% design development

C1.00

EXISTING CONDITIONS
& DEMOLITION PLAN

91ST STREET

ADDRESS:

1109-1101 APOLLO ST.
SAN ANTONIO TX, 78214

LEGAL DESCRIPTION:

LOT 1
BLOCK 2, NGB 7464
(VOL 9537, PG 83-84 DPR)

14' GAS, ELEC, TELE, &
CABLE T.V. EASEMENT
(VOL 9537, PGS 83-84)

25' BUILDING SETBACK
(VOL 9537, PGS 83-84)

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CABLE T.V. EASEMENT
(VOL 9537, PGS 83-84)

25' BUILDING SETBACK
(VOL 9537, PGS 83-84)

93RD STREET (PRIVATE)

28' GAS, ELEC, TELE, &
CABLE T.V. EASEMENT
(VOL 9537, PG 83-84)

28' GAS, ELEC, TELE, &
CABLE T.V. EASEMENT
(VOL 9537, PG 83-84)

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28' GAS, ELEC, TELE, &
CABLE T.V. EASEMENT
(VOL 9537, PG 83-84)

16' SANITARY SEWER EASEMENT
(VOL 9537, PG 83-84)

25' BUILDING SETBACK
(VOL 9537, PGS 83-84)

14' GAS, ELEC, TELE, &
CABLE T.V. EASEMENT
(VOL 9537, PGS 83-84)

25' BUILDING SETBACK
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(VOL 9537, PGS 83-84)

14' GAS, ELEC, TELE, &
CABLE T.V. EASEMENT
(VOL 9537, PGS 83-84)

25' BUILDING SETBACK
(VOL 9537, PGS 83-84)

95TH STREET

INGRESS/EGRESS EASEMENT
(VOL 5723, PG 153)

25' BUILDING SETBACK
(VOL 9537, PGS 83-84)

14' GAS, ELEC, TELE, &
CABLE T.V. EASEMENT
(VOL 9537, PGS 83-84)

25' BUILDING SETBACK
(VOL 9537, PGS 83-84)

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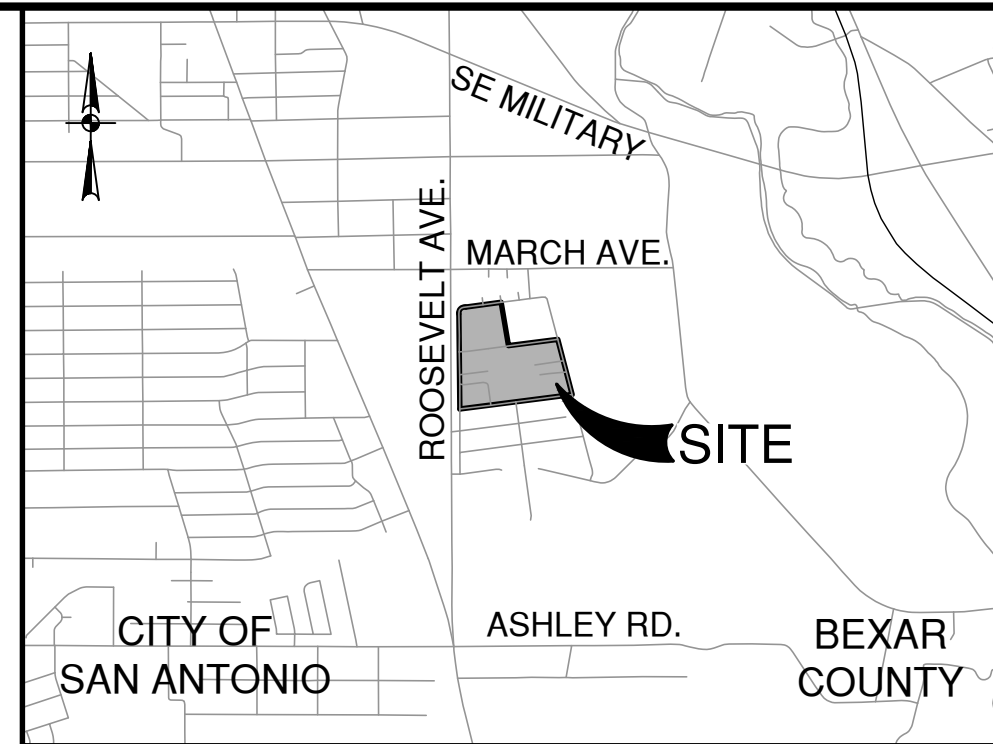
25' BUILDING SETBACK
(VOL 9537, PGS 83-84)

14' GAS, ELEC, TELE, &
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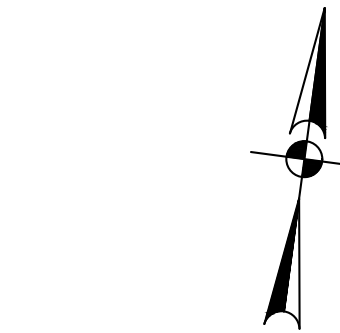
14' GAS, ELEC, TELE, &
CABLE T.V. EASEMENT
(VOL 9537, PGS 83-84)

25' BUILDING SETBACK
(VOL 9537, PGS 83-84)



LOCATION MAP

NOT-TO-SCALE



SCALE: 1"= 50'
0' 50' 100' 150'

LEGEND:

	PROPERTY LINE
	CONCRETE SIDEWALK (SEE SHEET C3.10)
	CONCRETE PAVEMENT (SEE SHEET C3.10)
	LIGHT DUTY ASPHALT (SEE SHEET C3.10)
	HEAVY DUTY ASPHALT (SEE SHEET C3.10)
	TURN LANE PAVEMENT (SEE SHEET C3.10)
	EXISTING CURB TO REMAIN
	PROPOSED CURB (SEE SHEET C3.10)
	SAWTOOTH CURB (SEE SHEET C3.10)
	PROPOSED WHEEL STOP (SEE SHEET C3.10)
	PROPOSED ACCESSIBLE PARKING AND VAN ACCESSIBLE PARKING (FOR REFERENCE ONLY NOT TO BE PAINTED ON GROUND)
	PROPOSED PARKING SPACE COUNT

KEYED NOTES

- 4" WHITE STRIPE
- 9 X 18 PARKING SPACES (TYP.)
- SAWTOOTH CURB
(SEE DETAIL SHEET C3.10)
- PROPOSED SIDEWALK
(SEE DETAIL SHEET C3.10)
- STRIPED ISLAND
(SEE DETAIL SHEET C3.10)
- ACCESSIBLE PARKING SIGN AND WHEEL STOP
(SEE DETAIL SHEET C3.10)

DIMENSIONAL CONTROL NOTES:

- 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.
- 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.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ALL HORIZONTAL AND VERTICAL CONTROL PER THE CONSTRUCTION DRAWINGS.
- UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL USE THE PROPERTY PINS FOR HORIZONTAL CONTROL POINTS. BENCHMARKS ARE NOT TO BE USED FOR HORIZONTAL CONTROL.
- 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.
- BENCHMARK ELEVATIONS ARE BASED ON NAVD 88, GEOID 03.
- 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.
- REFER TO THE ARCHITECTURAL PLANS FOR ADDITIONAL DIMENSIONAL CONTROL INFORMATION.
- CURB RADII ARE 3' UNLESS OTHERWISE NOTED ON THE DRAWINGS.

PAVEMENT NOTES:

- ALL UTILITIES SHALL BE INSTALLED PRIOR TO PAVEMENT CONSTRUCTION.
- ALL SUBGRADE PREPARATION & PAVEMENT INSTALLATION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT.
- 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:

- 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.
- ALL PAVEMENT MARKINGS SHALL RECEIVE TWO COATS OF PAINT.
- ALL SIGNS SHALL CONFORM TO MUTCD, LATEST EDITION.

GENERAL NOTES:

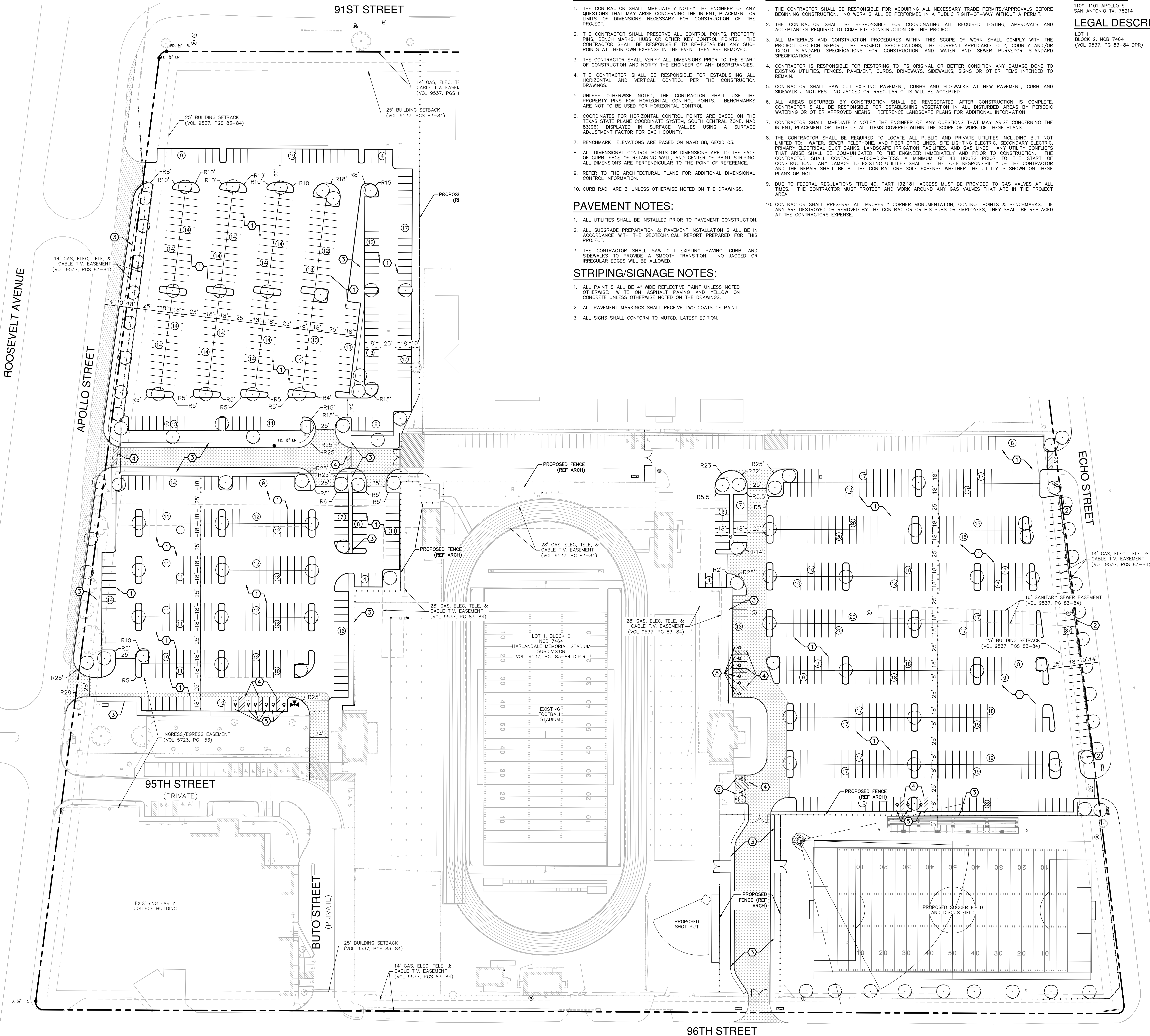
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL NECESSARY TRADE PERMITS/APPROVALS BEFORE BEGINNING CONSTRUCTION. NO WORK SHALL BE PERFORMED IN A PUBLIC RIGHT-OF-WAY WITHOUT A PERMIT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL REQUIRED TESTING, APPROVALS AND ACCEPTANCES REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT.
- 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.
- 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.
- CONTRACTOR SHALL SAW CUT EXISTING PAVEMENT, CURBS AND SIDEWALKS AT NEW PAVEMENT, CURB AND SIDEWALK JUNCTURES. NO JAGGED OR IRREGULAR CUTS WILL BE ACCEPTED.
- 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.
- 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.
- 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-TEST 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.
- 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.
- 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.

ADDRESS:

1109-1101 APOLLO ST.
SAN ANTONIO TX, 78214

LEGAL DESCRIPTION:

LOT 1
BLOCK 2, NCB 7464
(VOL. 9537, PG. 83-84 DPR)



Harlandale ISD
Harlandale Memorial Stadium
1109-1101 apollo st.
san antonio, texas

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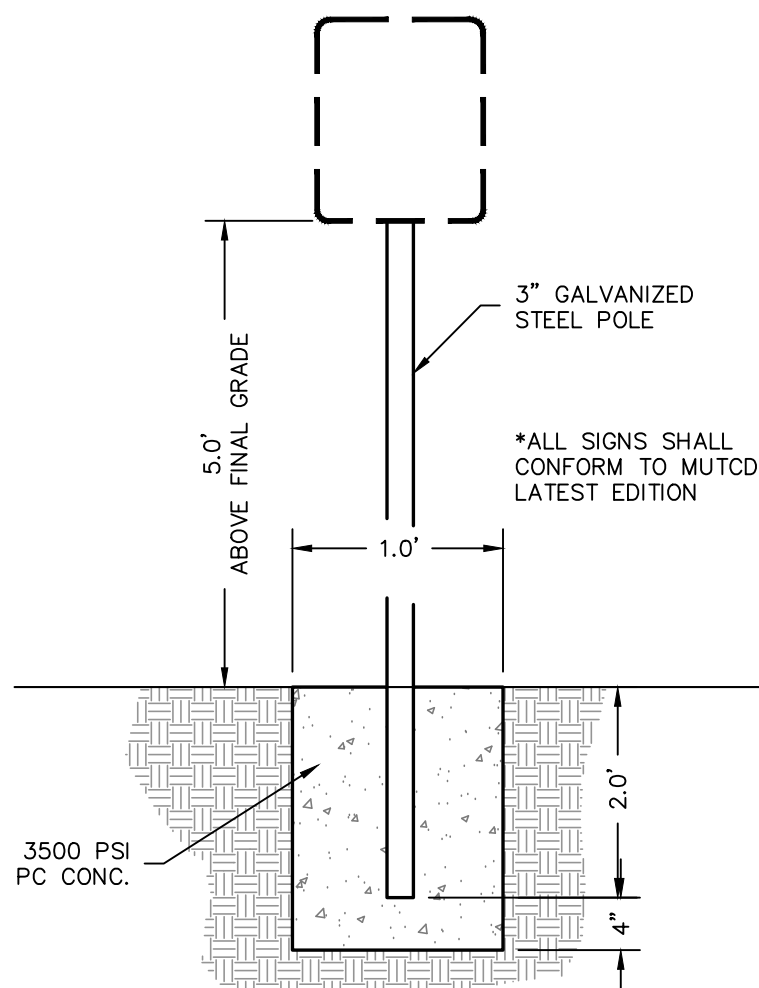
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2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TBPB FIRM REGISTRATION #470 | TBPBS FIRM REGISTRATION #10028800

C3.00

DIMENSIONAL
CONTROL PLAN



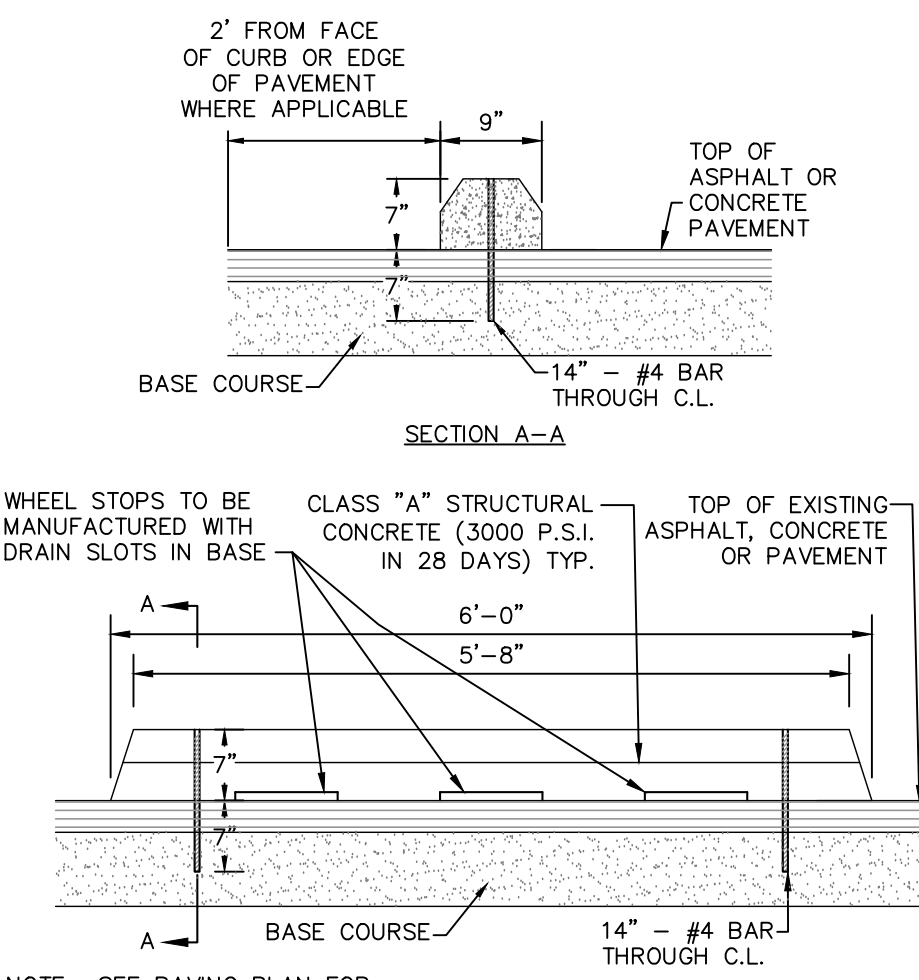
R3-5R



- NOTES:
- SIGN TYPES AND LOCATION ARE SHOWN ON SITE PLAN SHEET.
 - 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

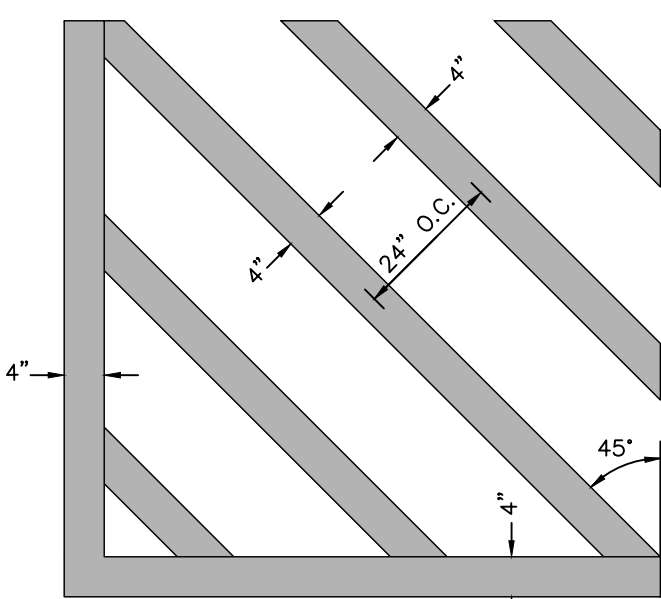
NOT-TO-SCALE



SLOTTED - WHEEL STOP DETAIL

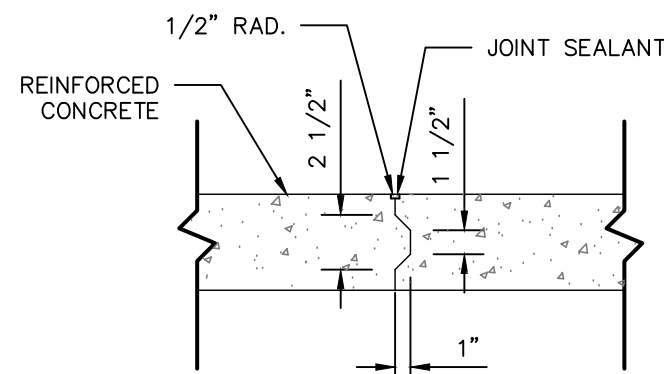
NOT-TO-SCALE

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

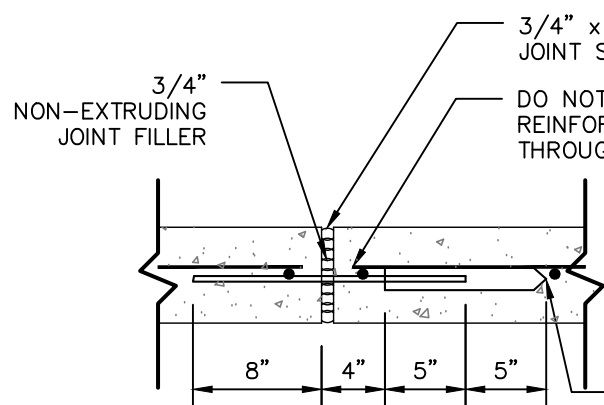


STRIPED ISLAND DETAIL

NOT TO SCALE

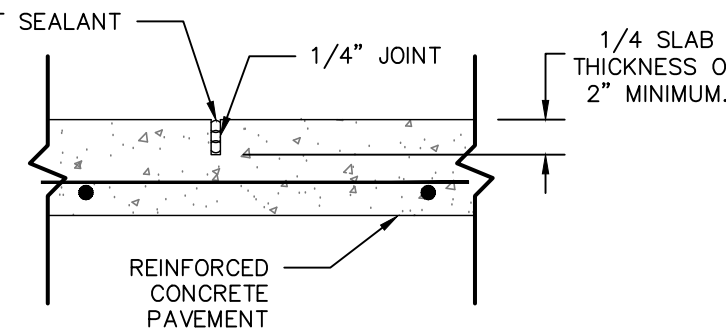


LONGITUDINAL JOINT



NOTE: IN THIS LOCAL, DRYING SHRINKAGE OF CONCRETE TYPICALLY SIGNIFICANTLY EXCEEDS ANTICIPATED EXPANSION DUE TO THERMAL EFFECTS. AS A RESULT, THE NEED FOR EXPANSION JOINTS IS ELIMINATED PROVIDED ALL JOINTS (INCLUDING SAWCUTS) ARE SEALED. CONSTRUCTION OF AN UNNECESSARY JOINT MAY ALSO BECOME A MAINTENANCE PROBLEM. ALL JOINTS SHOULD BE SEALED. IF ALL JOINTS, INCLUDING SAWCUTS, ARE NOT SEALED THEN EXPANSION JOINTS SHOULD BE INSTALLED.

EXPANSION JOINT

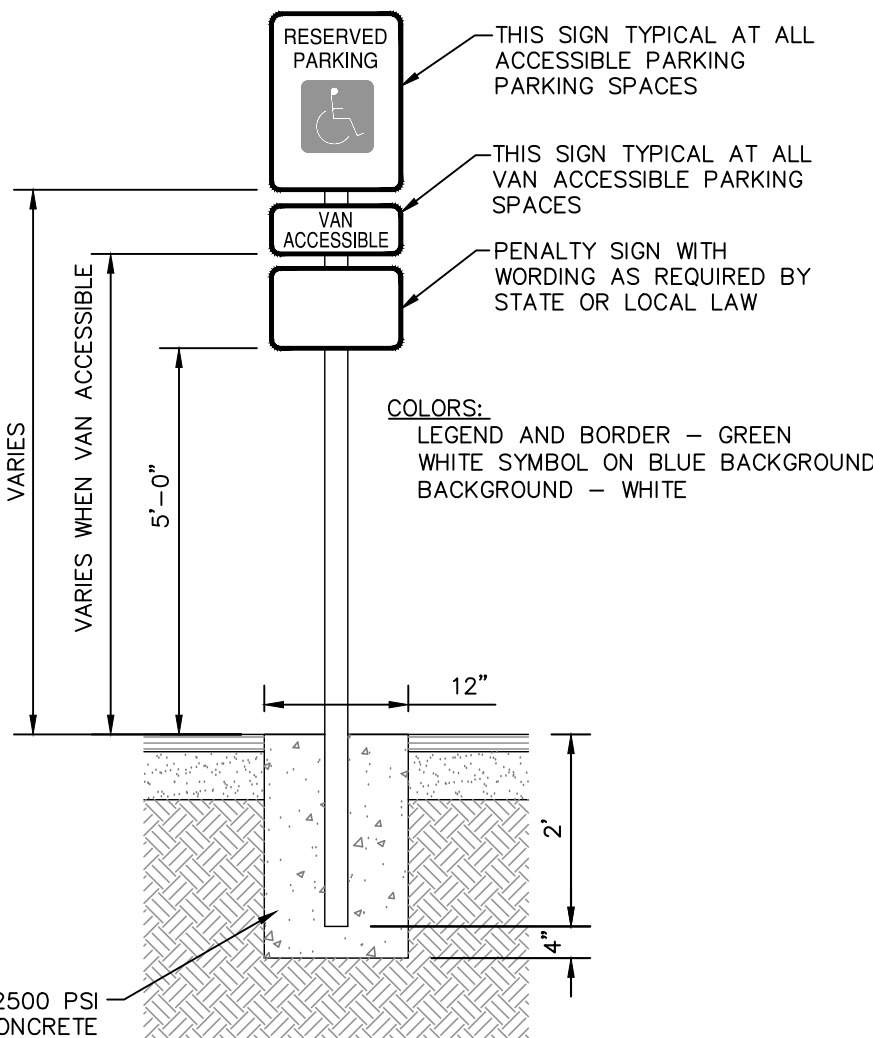


NOTE: CONTRACTION JOINT MAY BE SAWED, HAND FORMED, OR CREATED BY USE OF PREMOULDED JOINT FILLER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT CONCRETE PAVEMENT MEETS ALL FINISHING REQUIREMENTS AFTER INSTALLATION OF CONTRACTION JOINT.

CONTRACTION JOINT

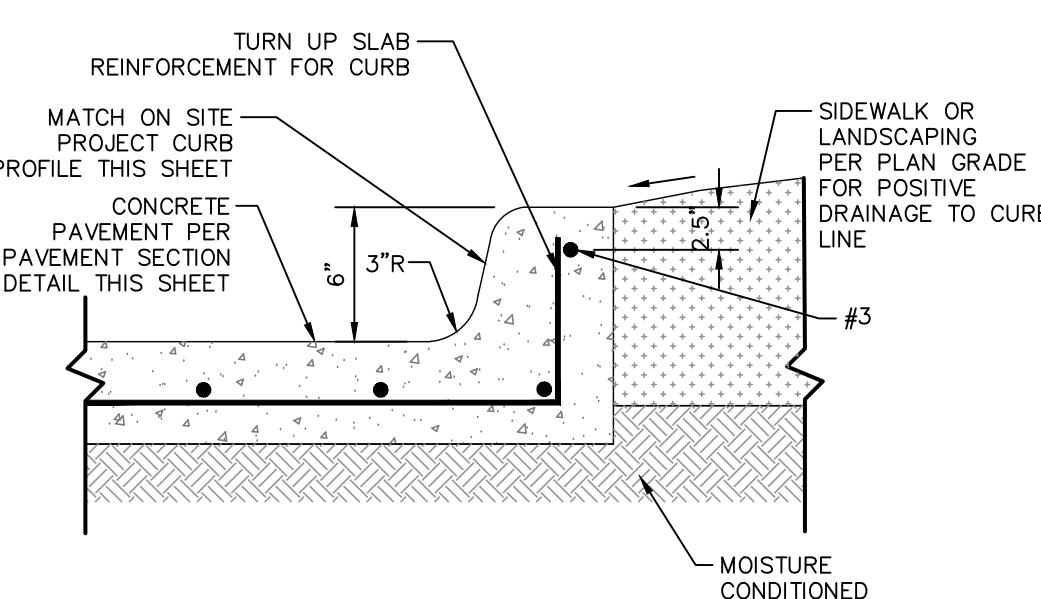
CONCRETE JOINT DETAILS

NOT-TO-SCALE



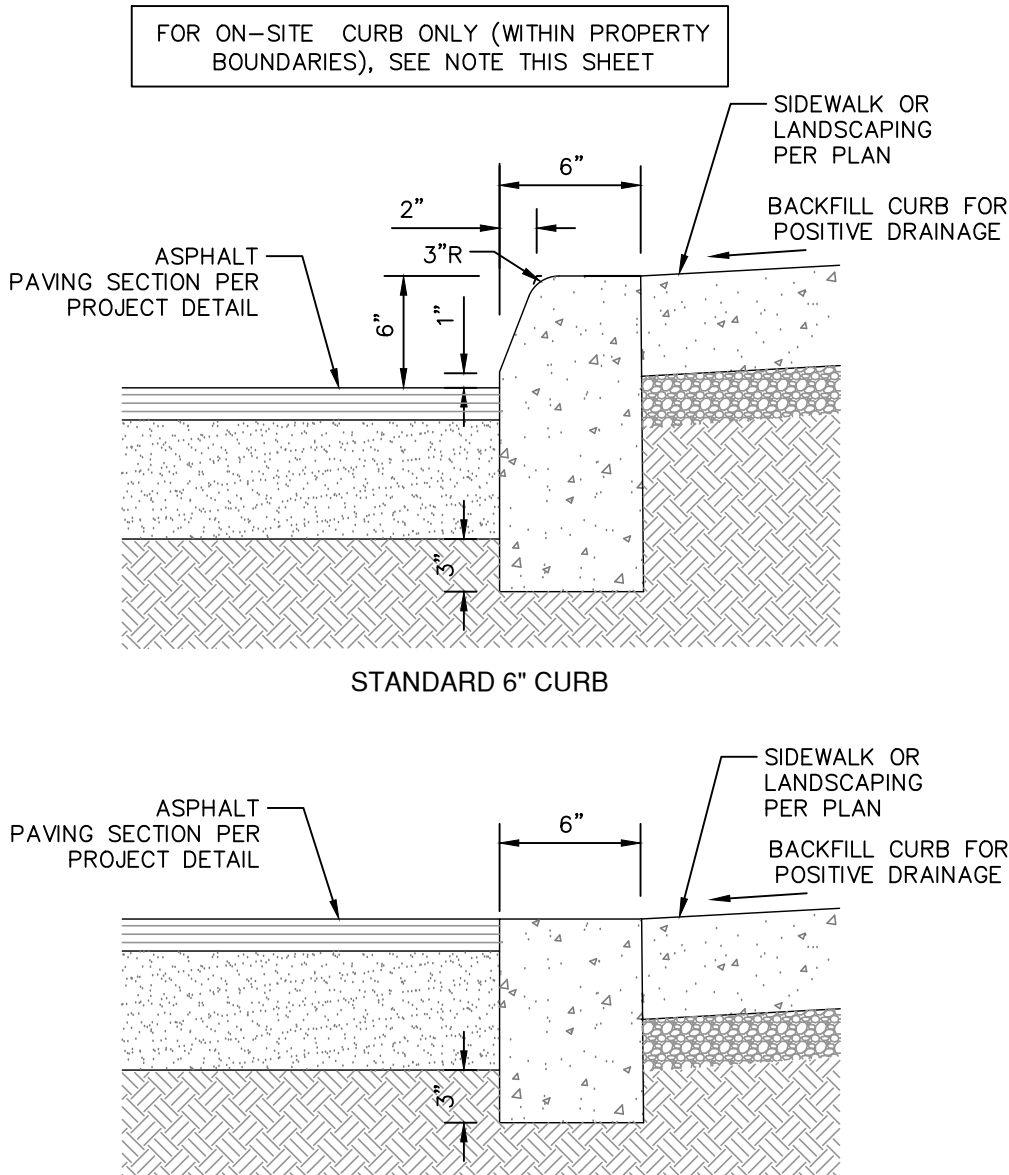
ACCESSIBLE PARKING SIGNAGE DETAIL

NOT-TO-SCALE



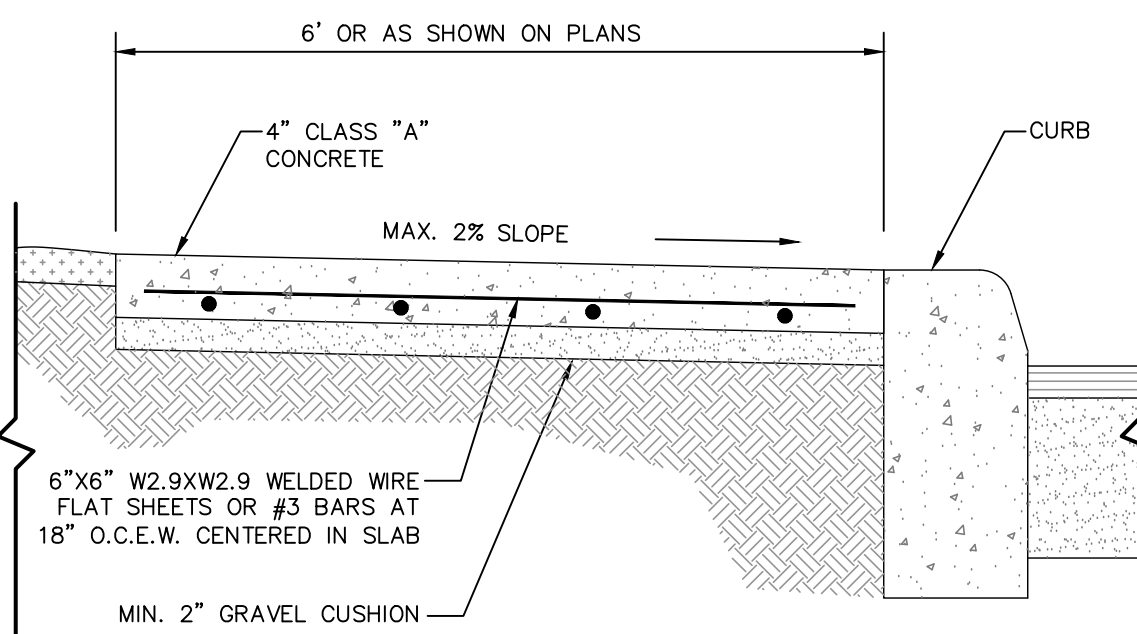
CURB AT CONCRETE PAVEMENT
(MONOLITHIC)

NOT-TO-SCALE



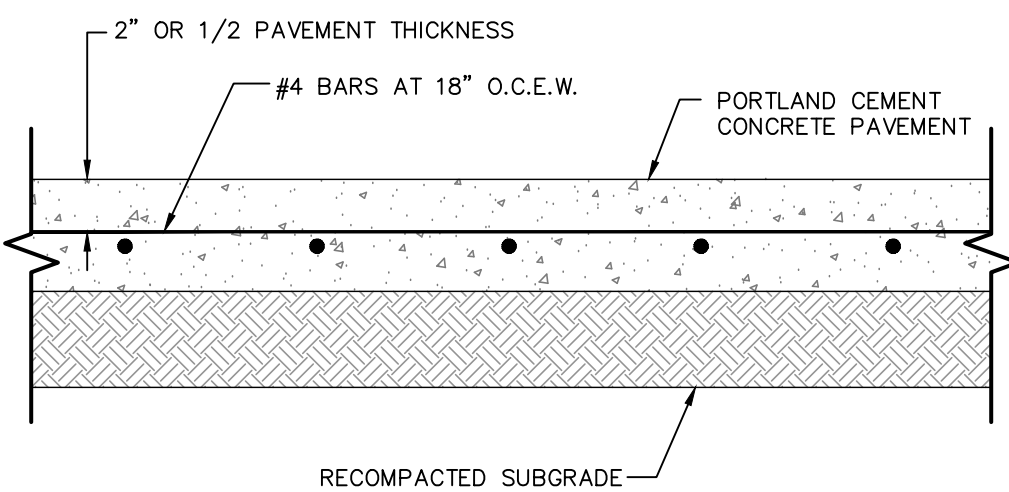
ONSITE ASPHALT PAVEMENT
CURB DETAILS

NOT-TO-SCALE



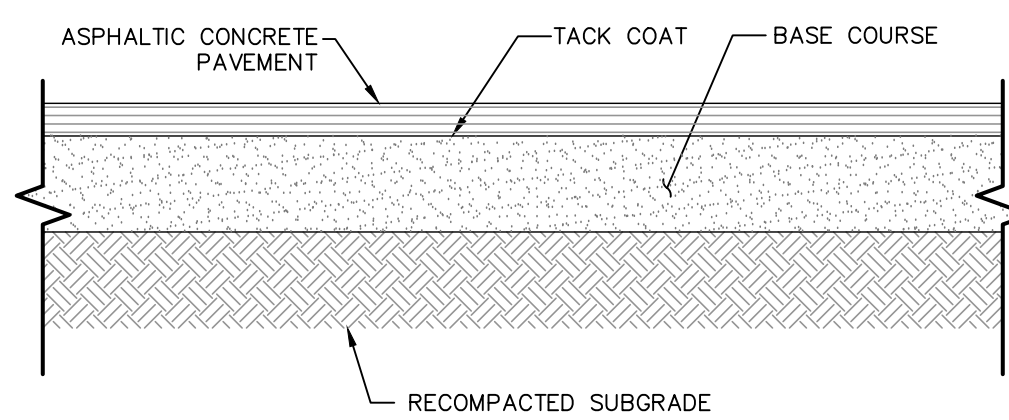
SIDEWALK DETAIL

NOT-TO-SCALE



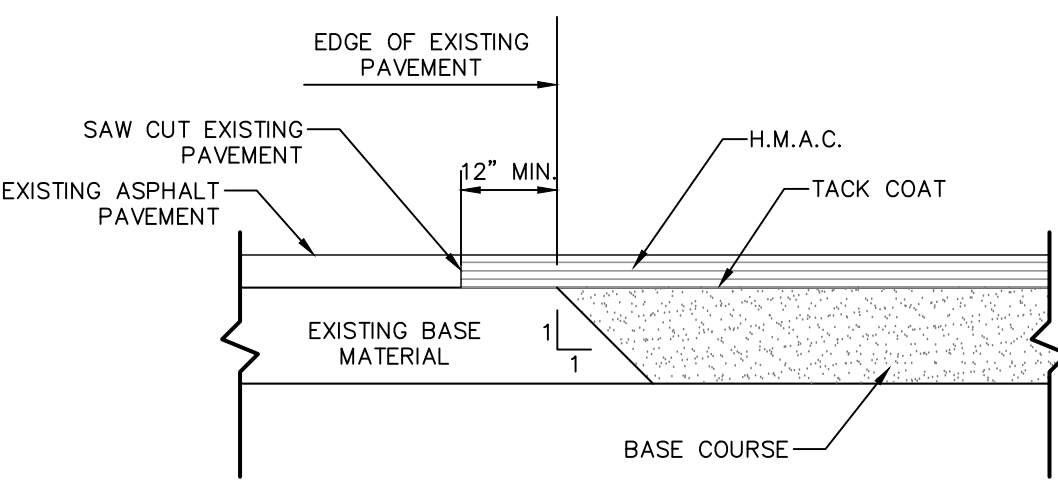
CONCRETE PAVEMENT SECTION

PAVEMENT DESIGN PENDING (BY GEOTECHNICAL ENGINEER)



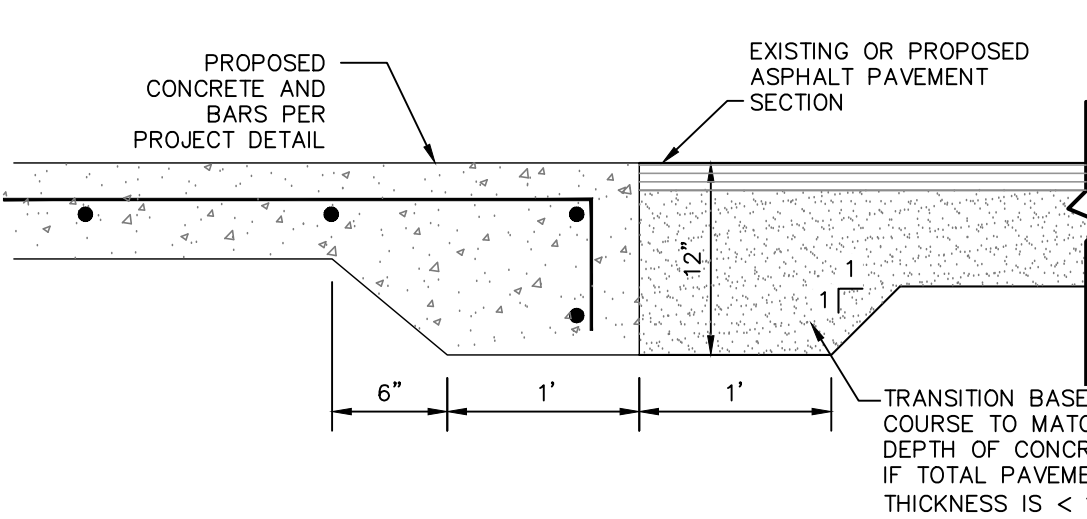
ASPHALT PAVEMENT SECTION

PAVEMENT DESIGN PENDING (BY GEOTECHNICAL ENGINEER)



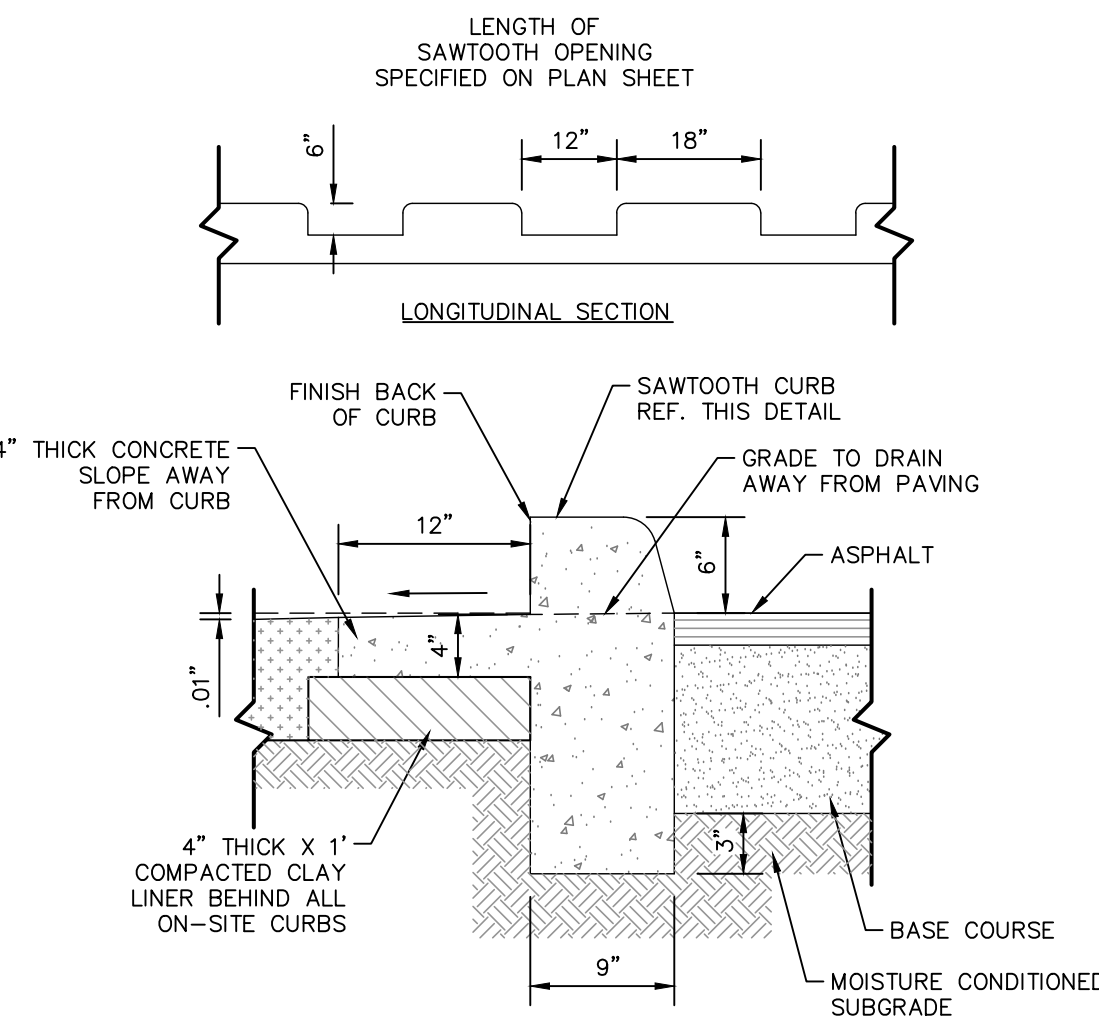
ASPHALT/ASPHALT JUNCTURE DETAIL

NOT-TO-SCALE



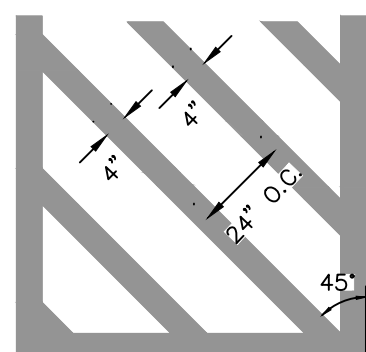
CONCRETE/ASPHALT
JUNCTURE

NOT-TO-SCALE



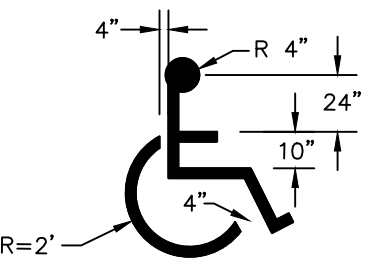
6" SAWTOOTH CURB DETAIL

NOT-TO-SCALE



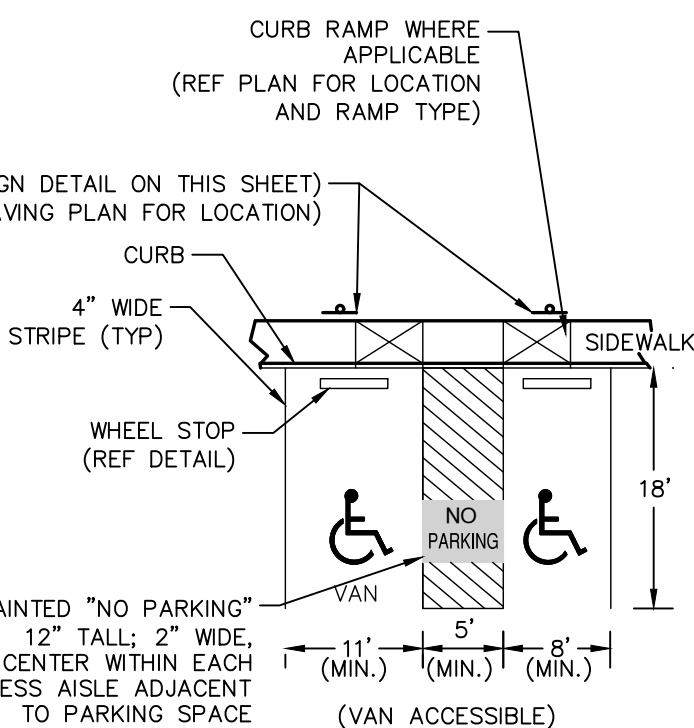
STRIPING DETAIL

NOTE: SYMBOL SHALL BE PAINTED IN CENTER OF PARKING STALL.



ACCESSIBLE PARKING STALL
SYMBOL

NOTE: ALL PAVEMENT MARKINGS AND SIGNAGE OF ACCESSIBLE PARKING AREAS SHALL BE IN ACCORDANCE WITH THE MOST CURRENT ACCESSIBILITY MANUAL.

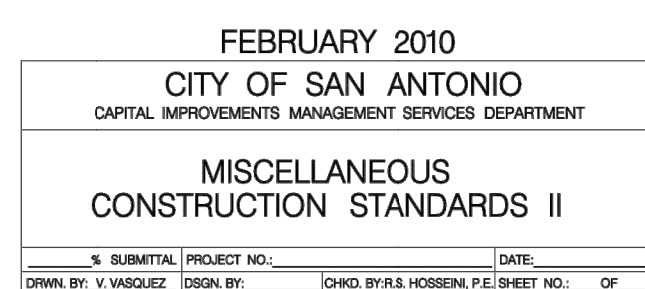
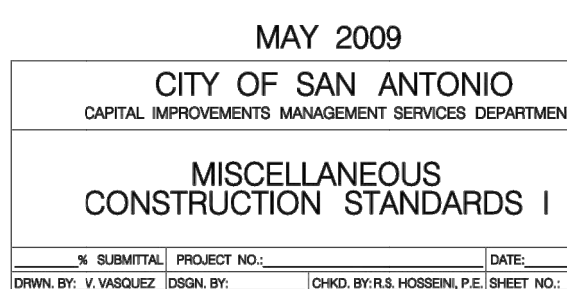
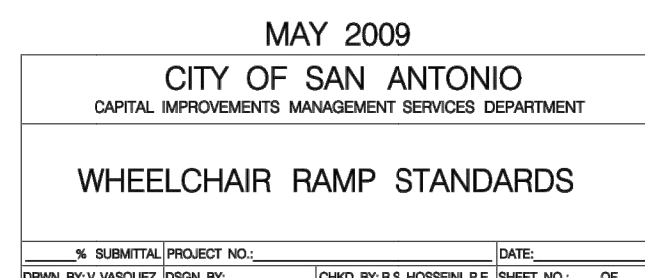
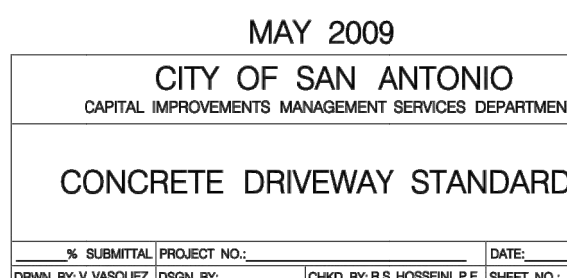


ACCESSIBLE PARKING AREA
DETAIL

AS AN EXCEPTION, VAN PARKING SPACES MAY BE A MINIMUM OF 8' WIDE WHEN THE ACCESS AISLE IS A MINIMUM OF 8'.

ACCESSIBLE PARKING DETAILS

NOT-TO-SCALE



**PAPE-DAWSON
ENGINEERS**

SAN ANTONIO | AUSTIN | HOUSTON | FORT WORTH | DALLA
2000 NW LOOP 410 | SAN ANTONIO, TX 78213 | 210.375.9000
TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #1002880

ADDRESS:

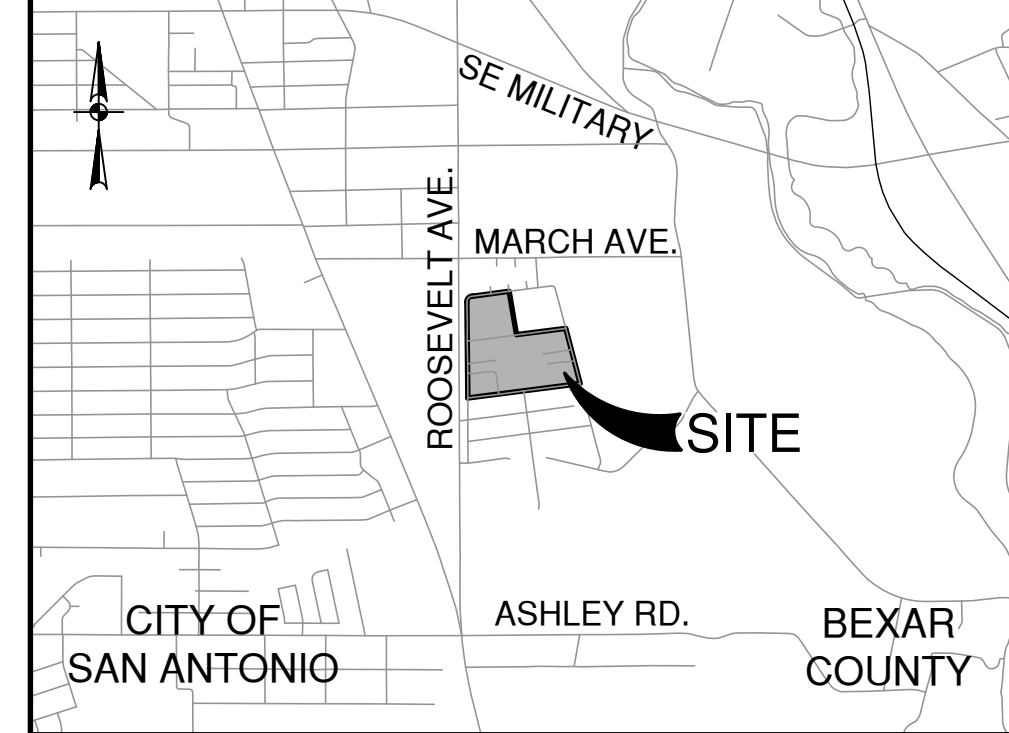
1109-1101 APOLLO ST.
SAN ANTONIO TX, 78214

LEGAL DESCRIPTION:

LOT 1
BLOCK 2, NCB 7464
(VOL. 9537, PG. 83-84 D.P.R.)

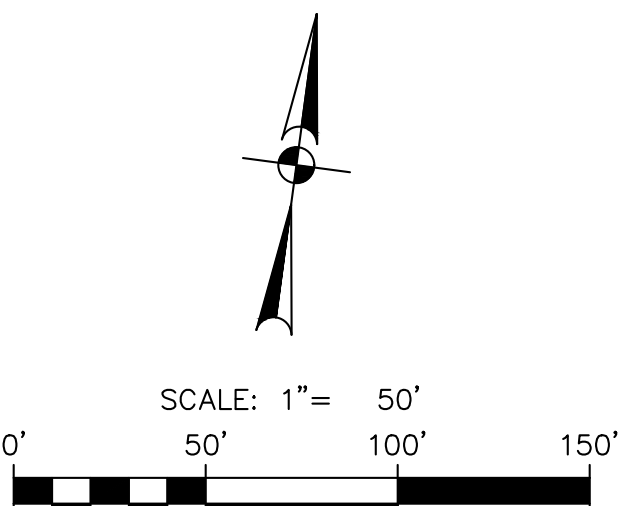
TRENCH EXCAVATION SAFETY PROTECTION:

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.



LOCATION MAP

NOT-TO-SCALE



LEGEND:

- PROPERTY LINE
- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED SPOT ELEVATION
- FLOW ARROW
- PROPOSED SWALE
- PROPOSED HIGH POINT
- EXISTING CURB TO REMAIN

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 CONTRACTOR'S 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 CONTRACTOR'S 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.

ROOSEVELT AVENUE

APOLLO STREET

93RD STREET (PRIVATE)

ECHO STREET

95TH STREET

BUTO STREET

96TH STREET

Harlandale ISD

Harlandale Memorial Stadium

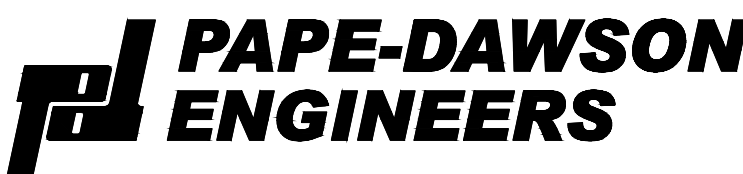
1109-1101 apollo st.
san antonio, texas

revisions:



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100% design development



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TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028600

C4.00

OVERALL GRADING AND DRAINAGE PLAN

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.

UTILITY NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL NECESSARY UTILITY COMPANIES FOR PROVIDING TEMPORARY UTILITY SERVICES DURING CONSTRUCTION.
2. ALL UTILITIES SHALL BE INSTALLED PRIOR TO PAVEMENT CONSTRUCTION.
3. ALL UTILITY CONNECTIONS SHALL BE COORDINATED WITH THE MECHANICAL, ELECTRICAL AND PLUMBING PLANS. NOTIFY ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION.
4. CONTRACTOR SHALL INSTALL ANY BENDS, FITTINGS OR PIPE IN THE WATER LINE AS REQUIRED TO AVOID CONFLICTS WITH OTHER UTILITIES (NO SEPARATE PAY ITEM).
5. NO WATER JETTING TO BACK FILL TRENCHES WILL BE ALLOWED.
6. REFERENCE ELECTRICAL PLANS FOR PARKING LOT AND SIGNAGE LIGHTING WHICH MAY BE IN THE SCOPE OF WORK.
7. REFERENCE LANDSCAPE, IRRIGATION, ELECTRICAL AND OTHER PLANS FOR ADDITIONAL CONDUITS REQUIRED.
8. POLYVINYL CHLORIDE (PVC) SEWER PIPE SHALL BE SDR 26. FITTINGS AND JOINTS SHALL CONFORM TO COMPATIBLE SDR 35 PIPE WITH THE EXCEPTION THAT SOLVENT CEMENT JOINTS SHALL NOT BE USED.
9. CONTRACTOR SHALL INSTALL THE SANITARY SEWER SYSTEM OUTSIDE OF THE BUILDING IN ACCORDANCE WITH PROCEDURES SPECIFIED BY THE LOCAL PLUMBING CODE. FOR PROJECTS WITHIN THE CITY LIMITS, THE LINE SHALL BE INSPECTED BY THE CITY INSPECTOR.
10. WHEN SEWER LINES ARE INSTALLED IN THE VICINITY OF WATER MAINS, SUCH INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE TEXAS DEPARTMENT OF HEALTH RULES AND REGULATIONS FOR PUBLIC WATER SYSTEMS (1988 OR ANY REVISIONS THERETO).
11. ALL SPOIL AND OTHER UNSUITABLE MATERIAL FROM THIS WORK SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AT HIS EXPENSE.
12. ALL SERVICES ARE BROUGHT TO THE BUILDING. CONTRACTOR SHALL INCLUDE IN THEIR BID THE COST TO CONNECT ALL SERVICES TO THE BUILDING WETHER SHOWN ON THE PLANS OR NOT.

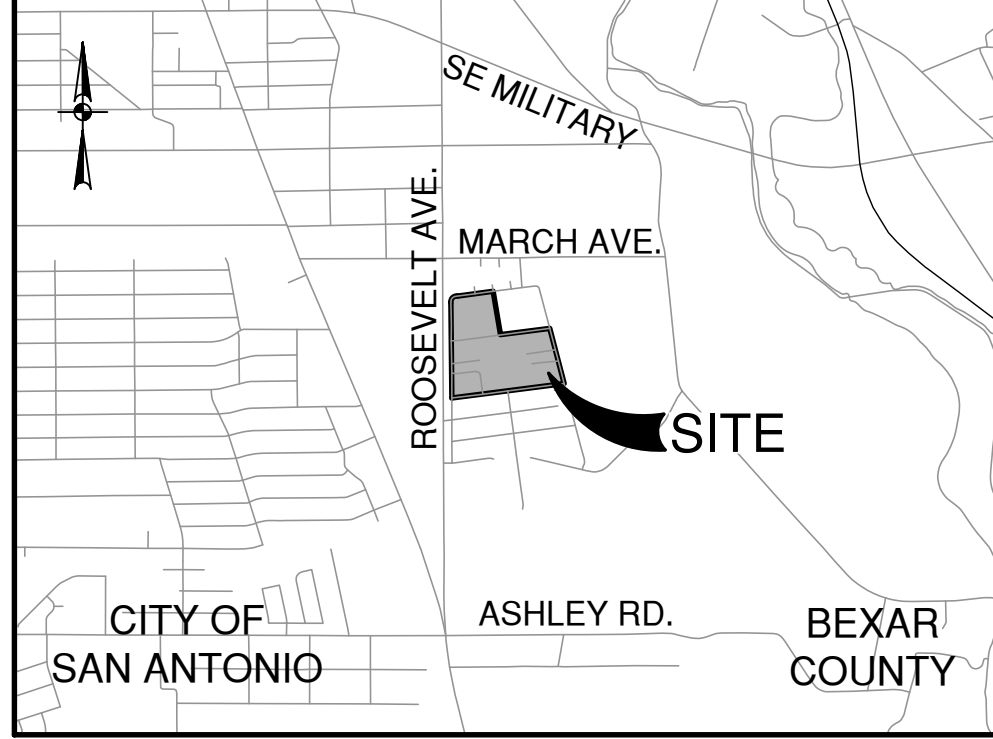
13. CONTRACTOR SHALL TEST ALL BACKFLOW PREVENTERS AND PROVIDE CERTIFICATION TO OWNER.
14. ALL DOMESTIC WATER LINES SHALL HAVE 4" MINIMUM COVER, AND PIPE MATERIALS SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE NOTED ON PLANS OR REQUIRED BY UTILITY COMPANY. CONTRACTOR SHALL CONTACT UTILITY COMPANY TO VERIFY MATERIALS TO BE USED FOR SERVICES AND CONNECTIONS.
 - A. 2" DIAMETER OR LESS: WATER LINE SHALL BE COPPER TUBING (ASTM B88, TYPE K, ANNEALED) FROM THE MAIN TO THE BACKFLOW PREVENTER, AND PVC SCH. 80 PIPE (ASTM D1785) FROM THE BACKFLOW PREVENTER TO THE BUILDING.
 - B. 3" DIAMETER: WATER LINE SHALL BE DUCTILE IRON, CLASS 51 (AWWA C151) FROM THE MAIN TO THE BACKFLOW PREVENTER, AND PVC SCH. 80 PIPE (ASTM D1785) FROM THE BACKFLOW PREVENTER TO THE BUILDING.
 - C. 4"-12" DIAMETER: WATER LINE SHALL BE DUCTILE IRON, CLASS 51 (4") AND CLASS 30 (6"-12") (AWWA C151) FROM THE MAIN TO THE BACKFLOW PREVENTER, AND PVC C900 PIPE DR 18 (ASTM D1784) FROM THE BACKFLOW PREVENTER TO THE BUILDING.
15. CLEAN OUTS AND VALVE BOXES SHALL BE INSTALLED IN ACCORDANCE WITH THE PLUMBING CODE AND AS DIRECTED BY THE PLUMBING INSPECTOR. ALL CLEAN OUT AND VALVE BOX TOPS SHALL BE INSTALLED AT LEAST 2" ABOVE FINISHED GRADE OUTSIDE PAVEMENT AND FLUSH WITH FINISHED GRADE WITHIN THE PAVEMENT AREAS.
16. CONTRACTOR SHALL TEST WATER PRESSURE AFTER MAKING DOMESTIC TAP AND INSTALL PRESSURE REDUCING VALVE ON CUSTOMER SIDE OF METER IF PRESSURE EXCEEDS 80 PSI.
17. CONDUITS, IF REQUIRED, SHALL BE INSTALLED PER THE DETAIL PROVIDED. ADDITIONAL CONDUITS MAY BE SHOWN ON OTHER PLANS.
18. CAUTION: THIS PROPERTY WAS ONCE A PART OF THE ADJACENT AIRFIELD AND UNKNOWN EXISTING ABANDONED UTILITIES MAY BE PRESENT. ALL UTILITIES SHOWN ARE APPROXIMATE AND REQUIRE VERIFICATION BY CONTRACTOR PRIOR TO PROCEEDING WITH ANY WORK. ADDITIONAL UNKNOWN UTILITY LINE MAY BE PRESENT.

ADDRESS:

1109-1101 APOLLO ST.
SAN ANTONIO TX, 78214

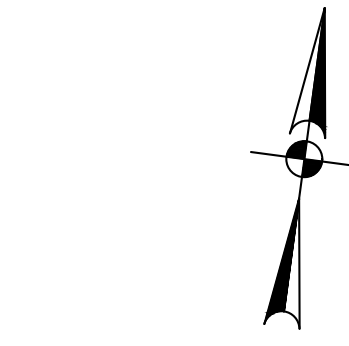
LEGAL DESCRIPTION:

LOT 1
BLOCK 2, NCB 7464
(VOL. 9537, PG. 83-84 DPR)



LOCATION MAP

NOT-TO-SCALE



SCALE: 1"= 50'
0' 50' 100' 150'

LEGEND:

- PROPERTY LINE
- PROPOSED UTILITY (SOLID/BOLD)
- EXISTING UTILITIES (DASHED/LIGHT)
- EXISTING UTILITY POLE

ABBREVIATIONS

- W WATER
- SS SANITARY SEWER
- OHU OVERHEAD UTILITIES
- GAS GAS

CAUTION!!

EXISTING UTILITIES ARE LOCATED WITHIN THE LIMITS OF THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL EXERCISE EXTRA CARE IN DIGGING ANY TRENCH FOR PROPOSED UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING, VERIFYING THE EXACT LOCATION AND IDENTIFYING ANY AREAS OF CONFLICTS WITH EXISTING UTILITIES AND WILL NOTIFY THE ENGINEER IMMEDIATELY IF CONFLICTS ARE FOUND.

project no. 19226A

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date 02/22/2021

Harlandale ISD
Harlandale Memorial Stadium
1109-1101 apollo st.
san antonio, texas

REVISIONS:

RVK
ARCHITECTURE

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san antonio texas 78212
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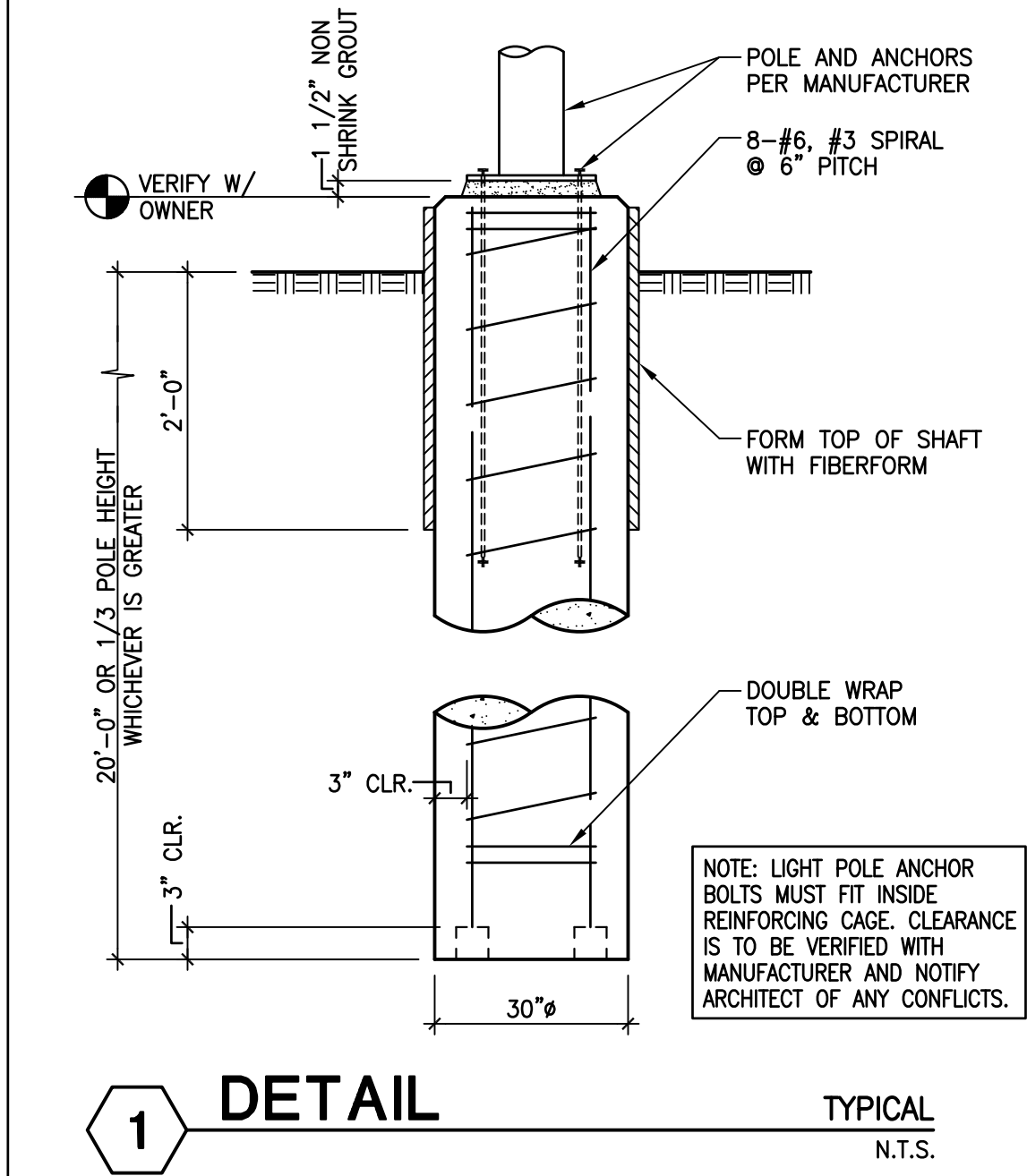
100% design development

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OVERALL UTILITY PLAN

PAPE-DAWSON
ENGINEERS

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



GENERAL NOTES:

GM-1 THIS STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (2018) AS AMENDED AND ADOPTED BY THE GOVERNING AUTHORITY, AND APPLICABLE INDUSTRY STANDARDS (AISC, ACI, ETC.).

GM-2 THE DESIGN LOADS ARE:

SUPERIMPOSED DEAD LOADS
MECHANICAL DUCTS/CONDUITS, CEILING, ETC. 5 PSF
MECHANICAL EQUIPMENT AS INDICATED ON PLANS

FLOOR LIVE LOAD
CORRIDOR 100 PSF
OFFICES 50 PSF
MOVABLE PARTITIONS 20 PSF
MECHANICAL ROOMS 150 PSF (NON REDUCIBLE)

ASSEMBLY AREAS:
FIXED SEATS 60 PSF
LOBBIES 100 PSF
MOVABLE SEATS 100 PSF
STAGES & PLATFORMS 125 PSF
CATWALKS 40 PSF

ROOF LIVE LOAD
FLAT ROOF 20 PSF
PITCHED ROOF 20 PSF

ROOF SNOW LOAD
GROUND SNOW Pg 5 PSF
BUILDING CATEGORY III
SNOW EXPOSURE FACTOR Ce 1.0
SNOW LOAD IMPORTANCE FACTOR Is 1.1
THERMAL FACTOR Ct 1.0

WIND LOAD
BASIC WIND SPEED (ULTIMATE DESIGN) 120
BUILDING CATEGORY III
WIND EXPOSURE C

EARTHQUAKE LOADS
SEISMIC IMPORTANCE FACTOR Ia 1.00
SPECTRAL RESPONSE ACCELERATION Ss 14%
SPECTRAL RESPONSE ACCELERATION S 3%
SPECTRAL RESPONSE COEF. SDs 14%
SPECTRAL RESPONSE COEF. SD 5%
SEISMIC DESIGN CATEGORY A
SEISMIC RESPONSE COEF Cs 01

RETAINING WALLS
GLOBAL STABILITY ANALYSIS FACTOR OF SAFETY 1.5
TYPE CANTILEVER
EQUIVALENT FLUID PRESSURE 50 PCF
BACKFILL DRAINED/ONSITE
FOOTING BEARING 1500 PSF
SURCHARGE 200 PSF

GM-3 ALLOWABLE STRESS DESIGN LOAD COMBINATIONS (FOR ALL DESIGNS EXCEPT CONCRETE)

D
D+L
D+(Lr, or S or R)
D+0.75L+0.75(Lr, or S or R)
D+(0.6W)
D+0.75L+0.75(0.6W)+0.75(Lr or S or R)
0.6D+0.6W
D+0.7E

STRENGTH DESIGN LOAD COMBINATIONS (FOR CONCRETE DESIGN)

1.4D
1.2D+1.6L+0.5(Lr, or S or R)
1.2D+1.6(Lr, or S or R)+(L or 0.5W)
1.2D+1.0W+L+0.5(Lr, or S or R)
0.9+1.0W
1.2D+E+L+0.2S

GM-4 PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR AND FABRICATOR SHALL VERIFY ALL QUANTITIES, DIMENSIONS AND CONDITIONS AND NOTIFY ARCHITECT/STRUCTURAL ENGINEER OF RECORD OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.

GM-5 UTILITIES PENETRATING BUILDING SHALL BE FLEXIBLE, USING SLEEVE JOINTS, BENDS, LOOPS, ETC. TO PERMIT MOVEMENTS DUE TO EXPANSIVE UNDERLYING SOILS.

GM-6 PROVIDE ADEQUATE AND APPROPRIATE STRUCTURAL STEEL FRAMING FOR THE SUPPORT AND MOUNTING OF MECHANICAL EQUIPMENT RESTING ON, OR SUSPENDED FROM, STEEL SUPERSTRUCTURE.

GM-7 THE STRUCTURAL DRAWINGS FOR THIS PROJECT ARE COPYRIGHTED AND SHALL NOT BE REPRODUCED FOR USE AS FABRICATOR'S ERECTION DRAWINGS. THE CONTRACTOR SHALL ALLOW ADEQUATE TIME AND EXPENSE FOR SUBCONTRACTORS TO PRODUCE THEIR OWN ORIGINAL ERECTION AND PLACEMENT DRAWINGS.

GM-8 THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE. ANY PROPOSED APPLICATION OF CONSTRUCTION LOADS OR OF ANY LOADS TO THE PARTIALLY COMPLETED STRUCTURE WHICH EXCEED THE DESIGN LOADS WILL REQUIRE REANALYSIS AND PROBABLE REDESIGN.

GM-9 PROVIDE 1.0 TONS OF EXTRA REINFORCING STEEL, DETAILING, LABOR FOR PLACING AND FABRICATION AS DIRECTED IN THE FIELD AND SHOP.

DEMOLITION NOTES:

DM-1 THE CONTRACTOR MUST REVIEW ALL WORK IN PROGRESS TO ASCERTAIN THAT ACTUAL STRUCTURAL CONDITIONS ENCOUNTERED REFLECT THOSE SHOWN ON THE DRAWINGS, AND REPORT ANY DISCREPANCIES TO THE STRUCTURAL ENGINEER.

DM-2 DURING DEMOLITION CONTRACTOR SHALL IDENTIFY STRUCTURAL FRAMING AND LOAD PATHS IN AREA OF DEMOLITION TO PREVENT ACCIDENTAL COLLAPSE.

DM-3 CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL BRACING AND SHORING REQUIRED TO INSURE THE SAFETY AND STRUCTURAL INTEGRITY OF THE PROJECT DURING DEMOLITION OPERATIONS.

DM-4 CONTRACTOR SHALL INSPECT EXISTING STRUCTURAL ELEMENTS AND REPAIR OR REPLACE THOSE FOUND TO BE STRUCTURALLY UNSOUND AS DIRECTED BY STRUCTURAL ENGINEER OF RECORD.

DM-5 WHERE EXISTING CONCRETE IS NOTED TO BE REMOVED, WORK SHALL BE INITIATED BY MEANS OF SAW CUTS AT LEAST 1" DEEP OR BY PERFORATING WITH CLOSELY SPACED THRU-DRILLED HOLES. IF REINFORCING IS TO REMAIN, INITIATE WITH SAW CUTS APPROXIMATELY 3/4" DEEP. DEMOLITION SHALL PROCEED USING HAND HELD ROTARY TOOLS AND/OR LOW IMPACT CHIPPING DEVICES. NO JACK HAMMERS OR SIMILAR HEAVY IMPACT EQUIPMENT WILL BE PERMITTED.

DM-6 INITIATE SAWCUTTING THRU WALLS AND SLABS WITH 3" CORE HOLES AT ALL CORNERS TO PREVENT OVERCUTS. OVERCUTS ARE NOT PERMITTED.

DM-7 REPLACE ALL CONCRETE COVERAGE, REMOVED TO INSTALL NEW STEEL MEMBERS, TO MAINTAIN FIRE PROTECTION OF MAIN STRUCTURAL FRAMING.

DM-8 ALL TEMPORARY SHORING IS TO BE DESIGNED AND DETAILED BY A LICENSED PROFESSIONAL ENGINEER. SIGNED AND STAMPED DRAWINGS ARE TO BE SUBMITTED TO THE A/E TEAM FOR REVIEW AND APPROVAL PRIOR TO FABRICATION AND CONSTRUCTION.

CONTRACTOR NOTE

THE STRUCTURAL SYSTEM FOR THIS PROJECT SHALL NOT BE CONSTRUCTED BY USING THE STRUCTURAL DRAWINGS ALONE. THESE DRAWINGS WERE DEVELOPED FROM DATA DERIVED PRIMARILY FROM THE ARCHITECTURAL DRAWINGS AND SECONDARILY FROM MEP, CIVIL AND OTHER DISCIPLINES' DOCUMENTS. IT IS INTENDED THAT CONSTRUCTION PROCEED BY UTILIZING ALL OF THE INFORMATION CONTAINED IN THE ENTIRE SET OF CONSTRUCTION DOCUMENTS TAKEN AS A WHOLE; FAILURE TO DO SO WILL RESULT IN ERRORS WHICH SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.

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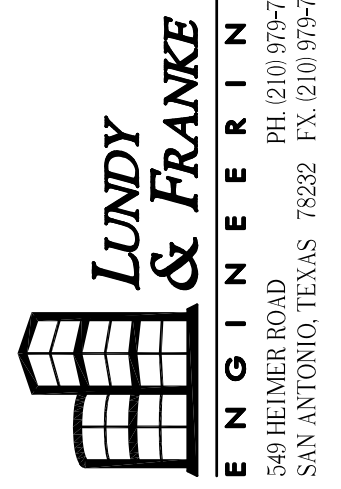
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INTERIM REVIEW ONLY

DOCUMENT INCOMPLETE:
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SHAWN J. FRANKÉ P.E.
TEXAS REG. NO. 82639
FEBRUARY 22, 2021

Date: 02/22/2021



Owner
HISD - Harlandale HS Stadium
4002 Roosevelt,
San Antonio, TX 78214

revisions: date

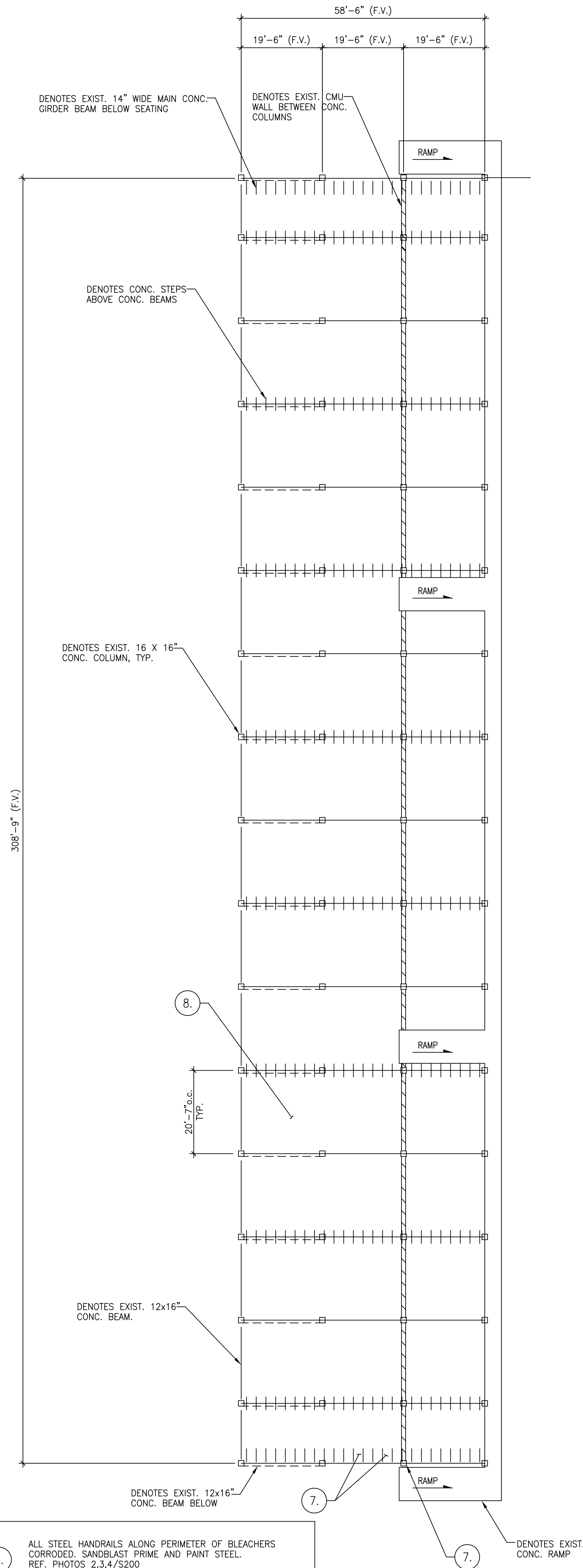


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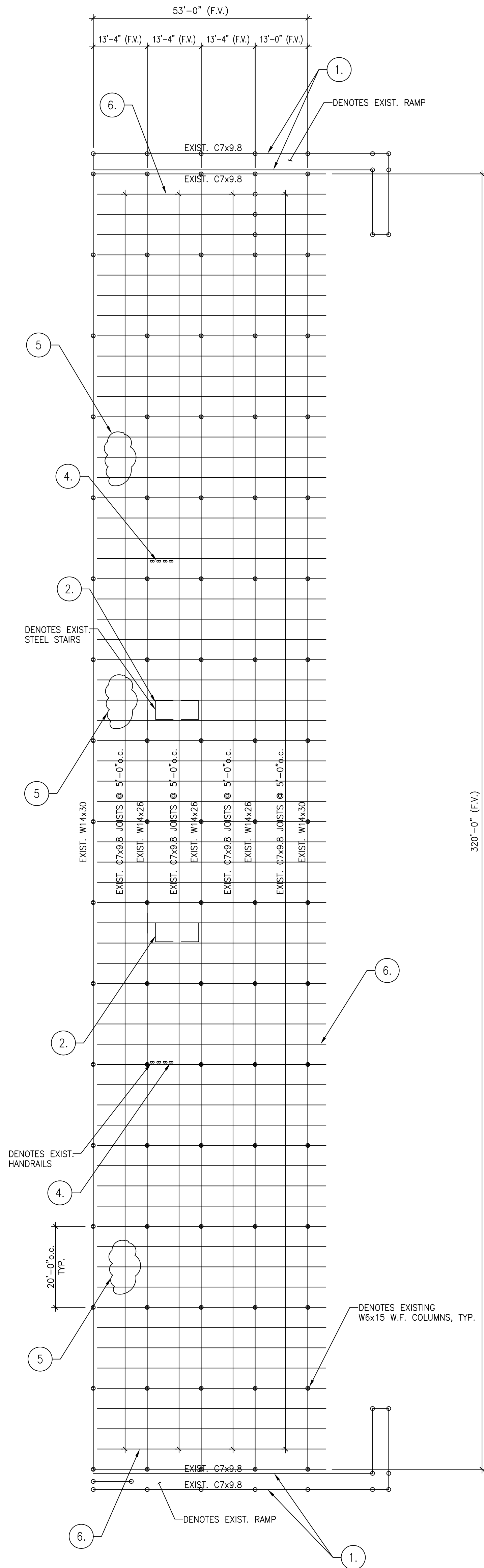
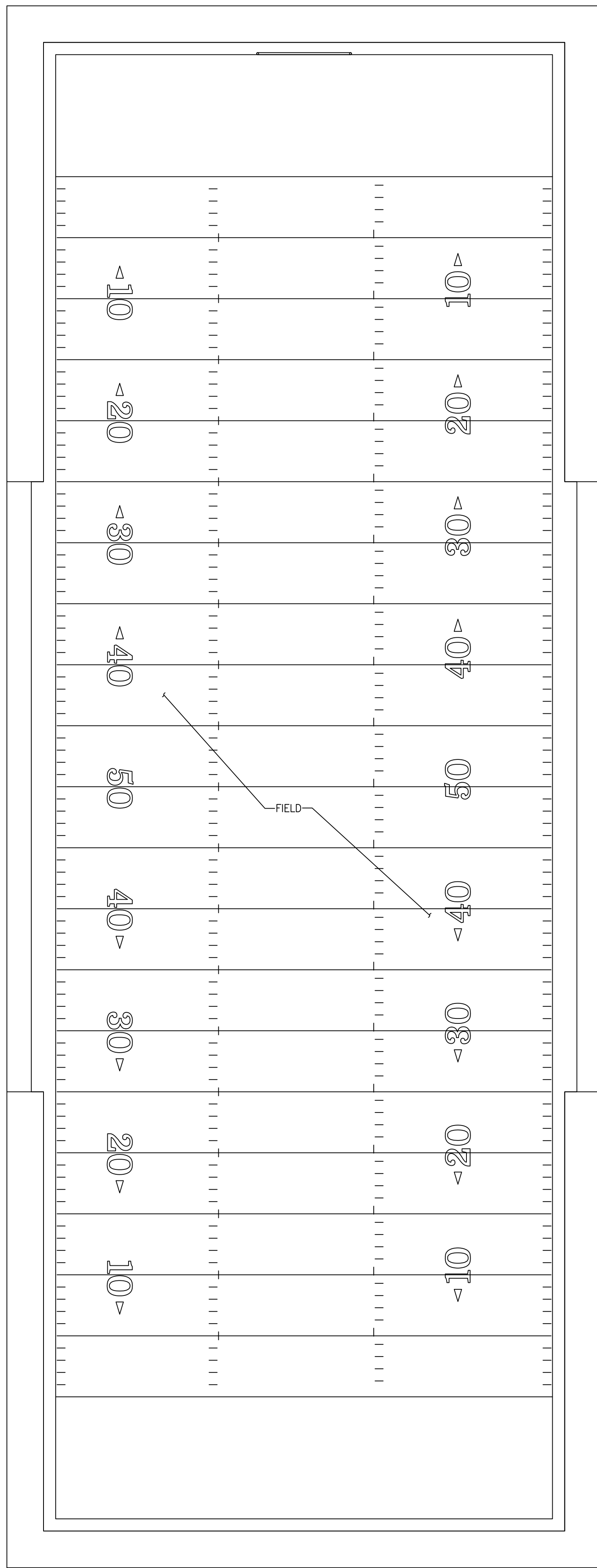
100% DESIGN
DEVELOPMENT

S000
NOTES
& DETAIL

NOTE:
EXISTING INFORMATION WAS TAKEN FROM VISUAL
OBSERVATIONS. THE CONTRACTOR AND FABRICATOR
SHALL VERIFY ALL DATA PRIOR TO CONSTRUCTION AND
NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES
BEFORE PROCEEDING WITH THE WORK.



- * KEY NOTE #1 APPLIES TO ALL PERIMETER STEEL, ALL WIDE FLANGE BEAMS, AND ALL WALK WAY SUPPORT STEEL AT EAST BLEACHERS.
- * KEY NOTES #3 APPLIES TO ALL BAYS AT EAST BLEACHERS AND 10 MISSING SCREWS SHALL BE ACCOUNTED PER E.W. BAY
- * KEY NOTE #8 APPLIES TO ALL BAYS AT WEST BLEACHERS AND 10 SPALLED CONC./ EXPOSED REBAR AREAS SHALL BE ACCOUNTED PER BAY.
- * KEY NOTE #9 APPLIES TO ALL SEATS AT WEST BLEACHERS



KEY NOTES:

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. CORRODED STEEL SHALL BE SAND BLASTED, PRIMED, AND PAINTED. REF. PHOTOS 5,6,9,10,11,12,14,15/200 | 6. ALL STEEL HANDRAILS ALONG PERIMETER OF BLEACHERS CORRODED. SANDBLAST PRIME AND PAINT STEEL. REF. PHOTOS 2,3,4/S200 |
| 2. REMOVE FLAKING PAINT FROM STEEL STRINGERS, SAND BLAST PRIME & PAINT. REF. PHOTOS 13/S200 | 7. SPALLED CONCRETE/EXPOSED REBAR. REMOVE ANY LOOSE CONC. AND BRUSH OFF CORROSION USING WIRE BRUSH. THEN PATCH CONC. W/ "VERTICOAT" OR EQ. CONC. REPAIR PRODUCT. REF. PHOTOS 16,17,18,19,20/S200 |
| 3. MISSING SCREWS AT RISER TO SUPPORT ATTACHMENT. PROVIDE NEW SCREWS AS NEEDED. REF. PHOTO 1/S200 | 8. SPALLED CONC./EXPOSED REBAR AT UNDERSIDE OF CONC. SEATING REMOVE ANY LOOSE CONC. AND BRUSH OFF CORROSION USING WIRE BRUSH. THEN PATCH W/ "VERTICOAT" OR EQ. CONC. REPAIR PRODUCT. REF. PHOTOS 24/S200 AND 1,2,3/S201 |
| 4. LOOSE SCREW AT HANDRAIL TO TREAD/STEP ATTACHMENT. TIGHTEN SCREW OR PROVIDE NEW SCREW. REF PHOTO 7,8/S200 | 9. BROKEN/ DAMAGED SEATS THROUGHOUT WEST BLEACHERS OWNER OR ARCHITECT TO VERIFY IF COMPLETE REPLACEMENT IS DESIRED. REF. PHOTOS 21,22,23/S200 |
| 5. WALNUT TREADS APPEAR TO BE OVERLY DEFLECTED. AT SEVERAL AREAS. PROPER ATTACHMENT TO SUPPORTS SHALL BE VERIFIED. IF PROPERLY SECURED, TREADS SHALL BE REPLACED IN THESE AREAS. | |

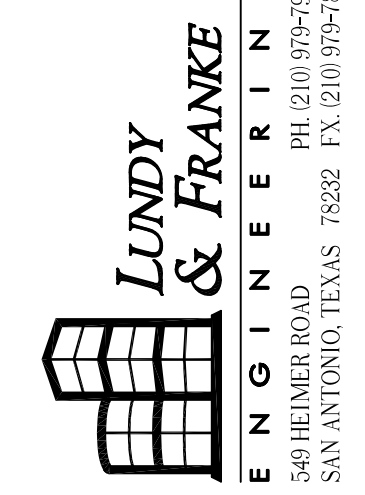


STADIUM BLEACHERS FRAMING PLAN

SCALE: 1/16" = 1'-0"

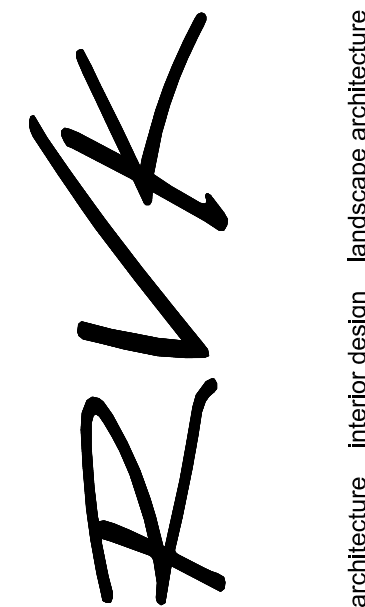
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SHAWN J. FRANKS P.E.
TEXAS REG. NO. 82639
FEBRUARY 22, 2021

Date: 02/22/2021



Owner
HISD - Harlandale HS Stadium
4002 Roosevelt,
San Antonio, TX 78214

revisions: date

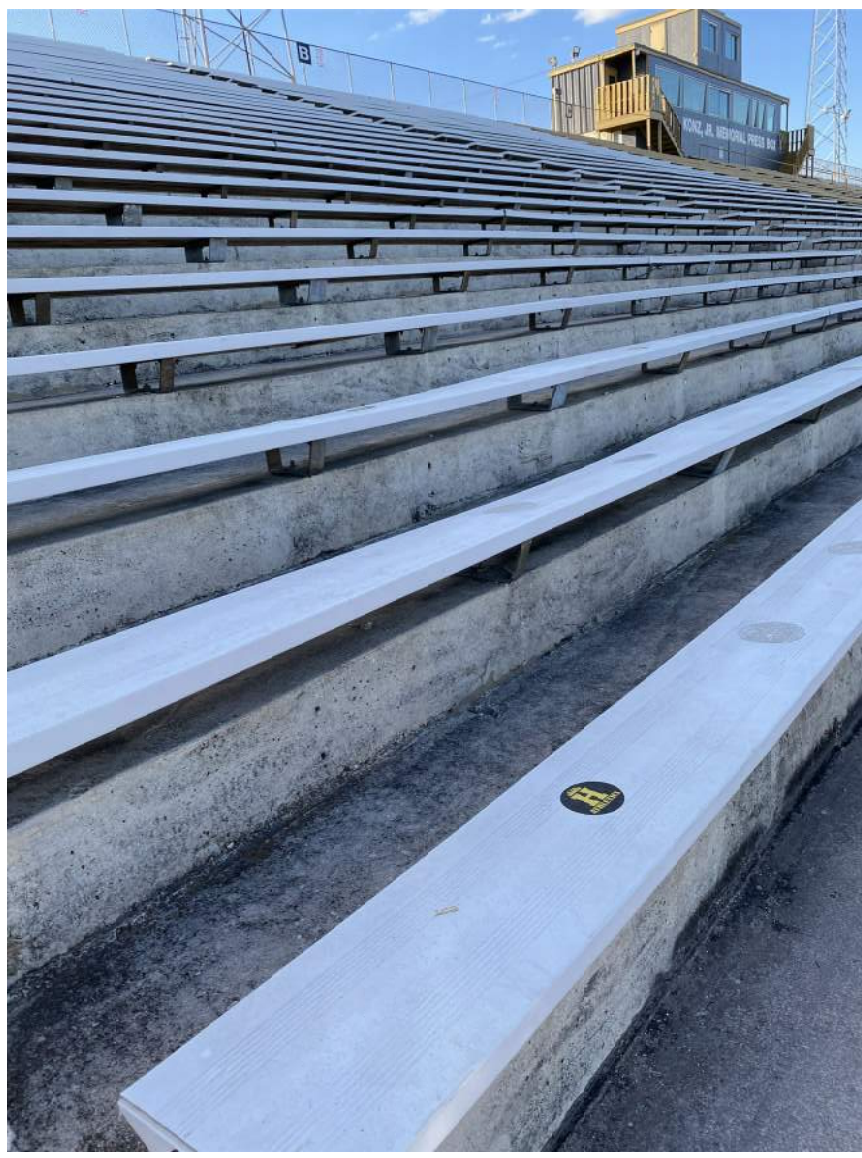


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DEVELOPMENT

S100
STADIUM BLEACHERS
FRAMING PLAN

LA PROJECT NO.: 25-629-00
LA FILE NO.: HWS200



21 PHOTO



17 PHOTO



13 PHOTO



9 PHOTO



5 PHOTO



1 PHOTO



22 PHOTO



18 PHOTO



14 PHOTO



10 PHOTO



6 PHOTO



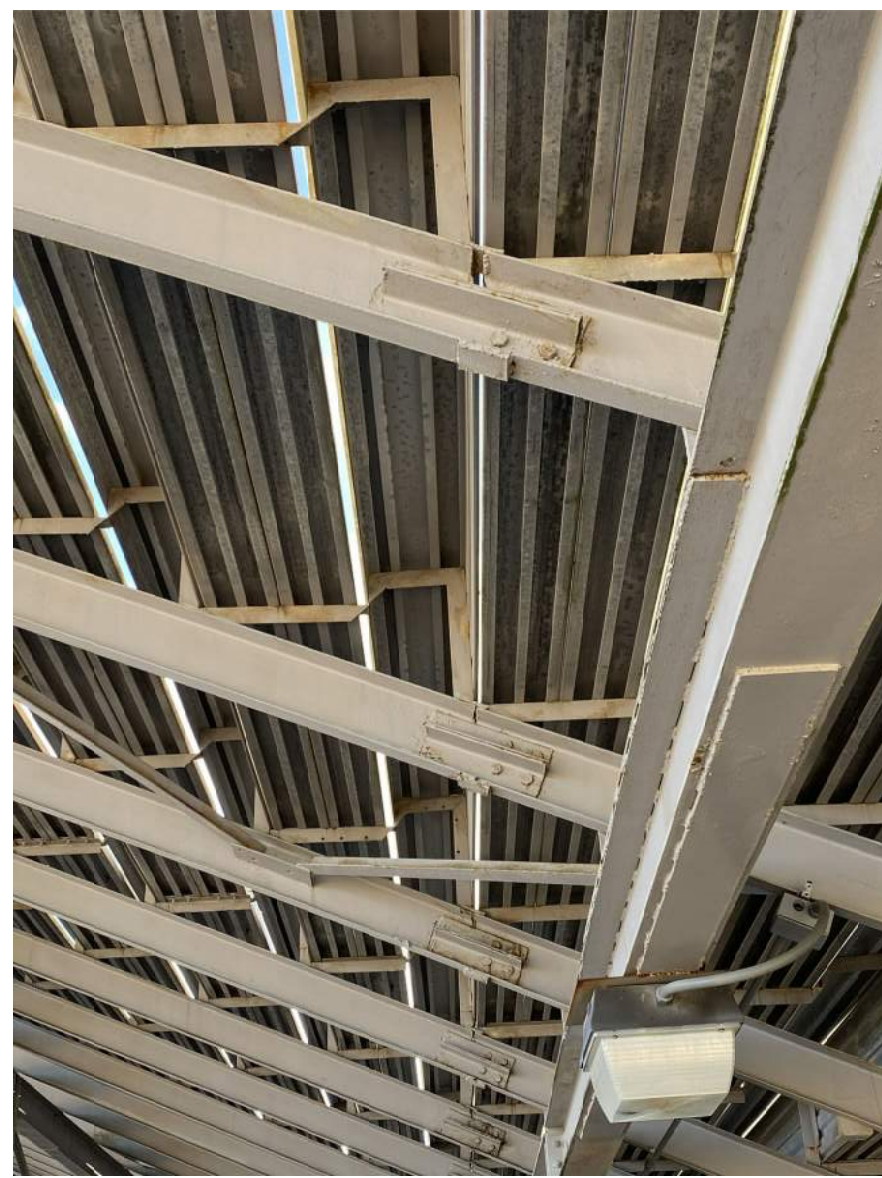
2 PHOTO



23 PHOTO



19 PHOTO



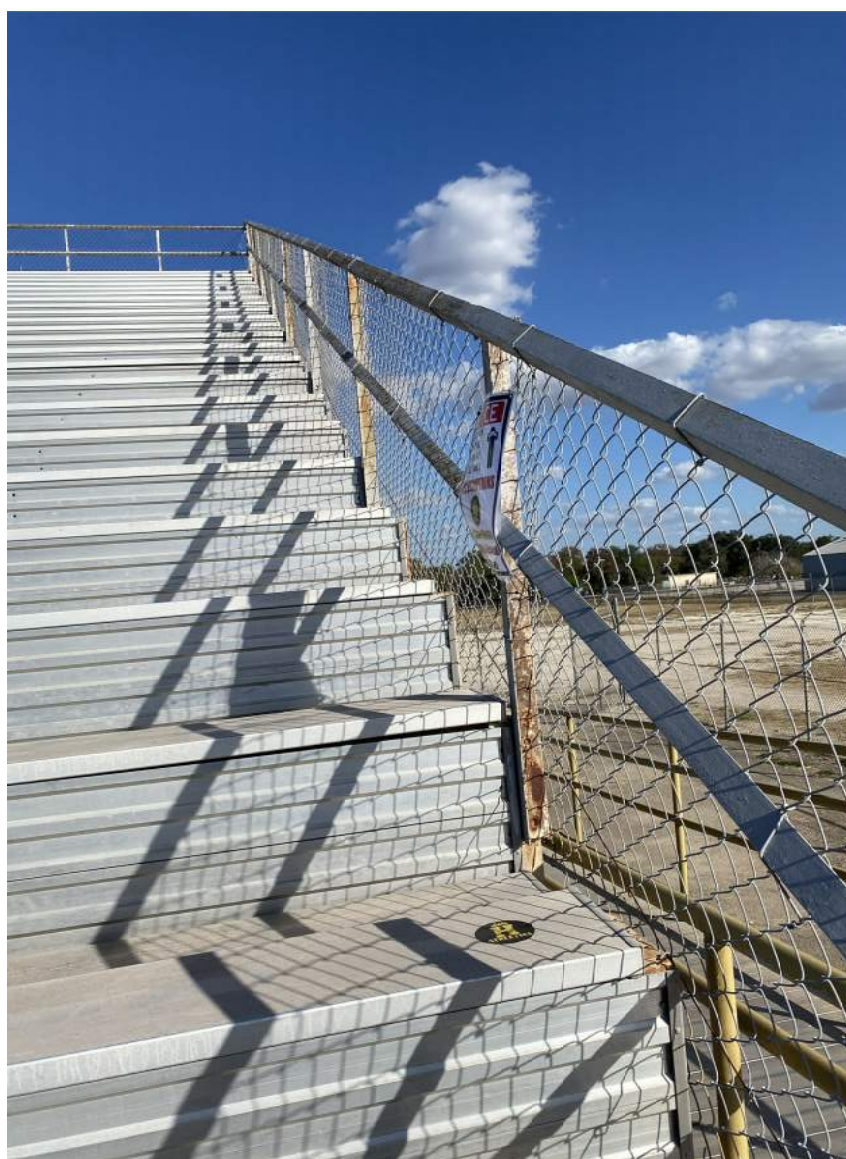
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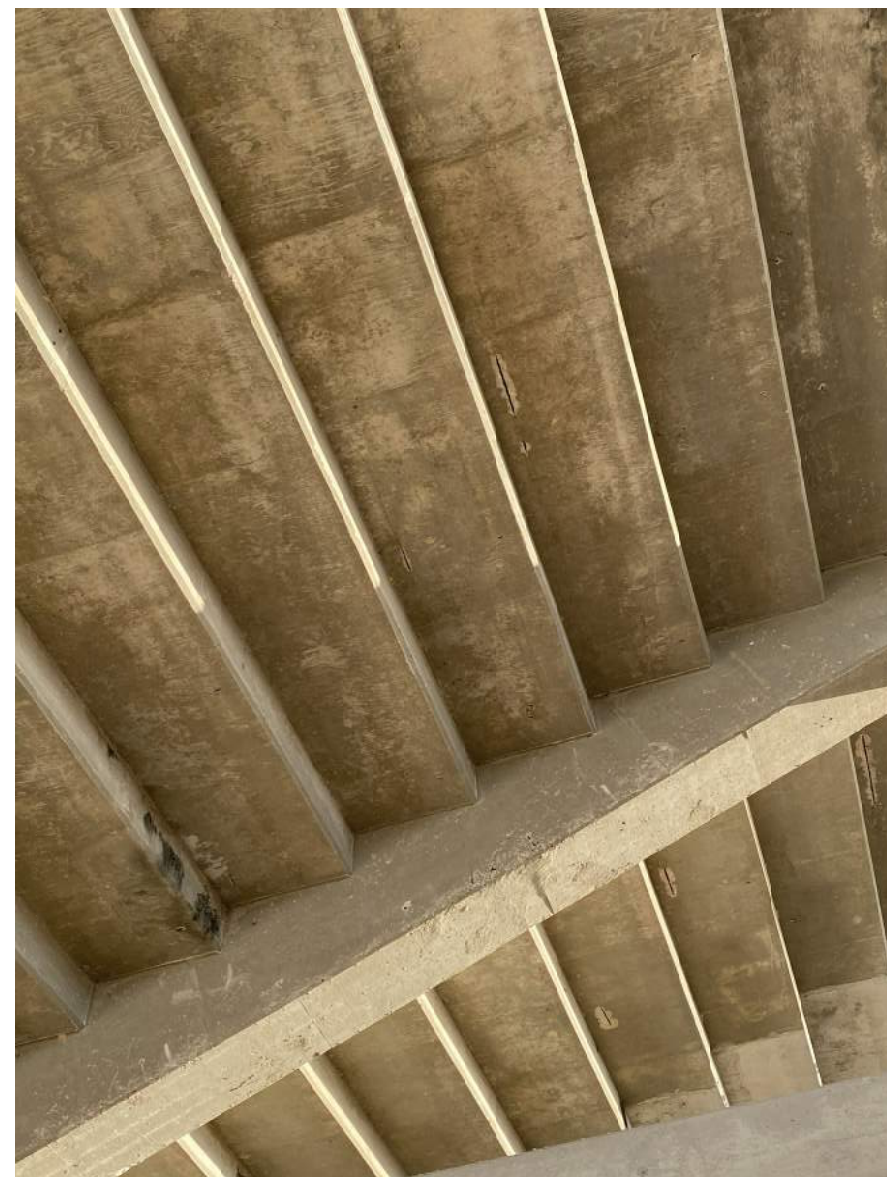
11 PHOTO



7 PHOTO



3 PHOTO



24 PHOTO



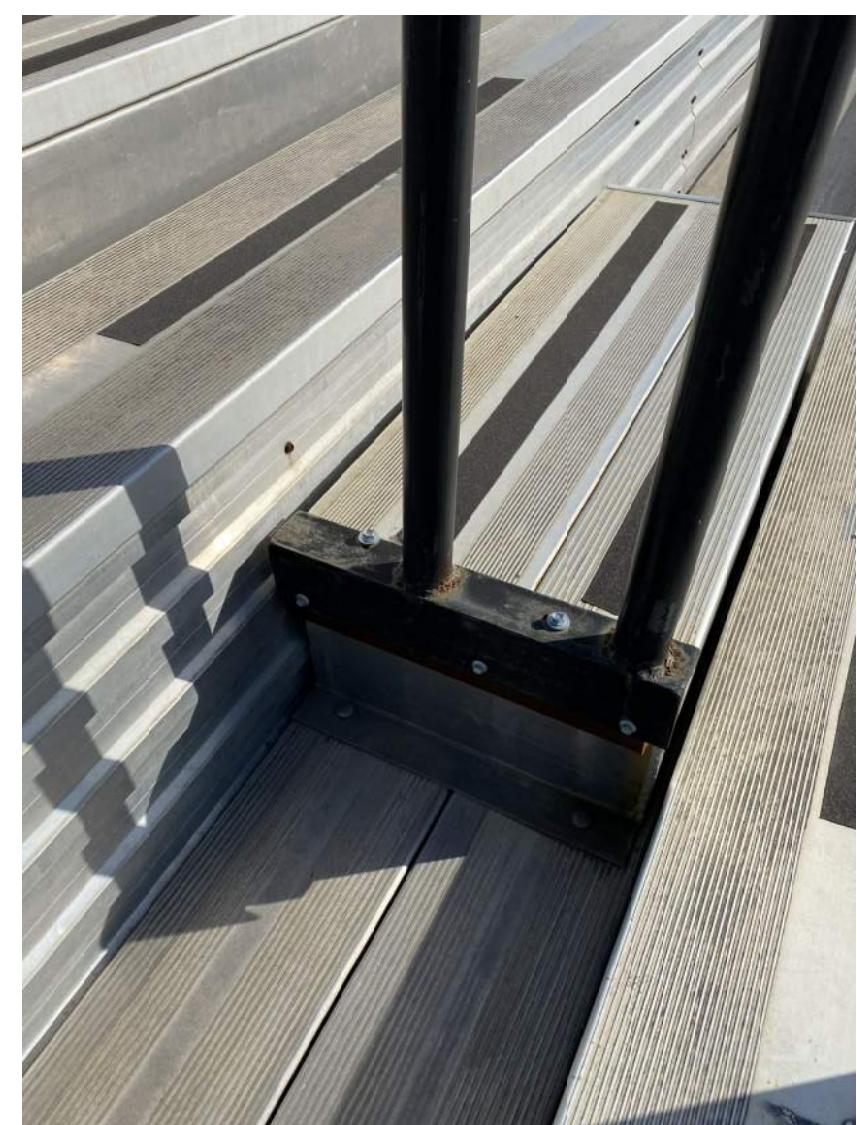
20 PHOTO



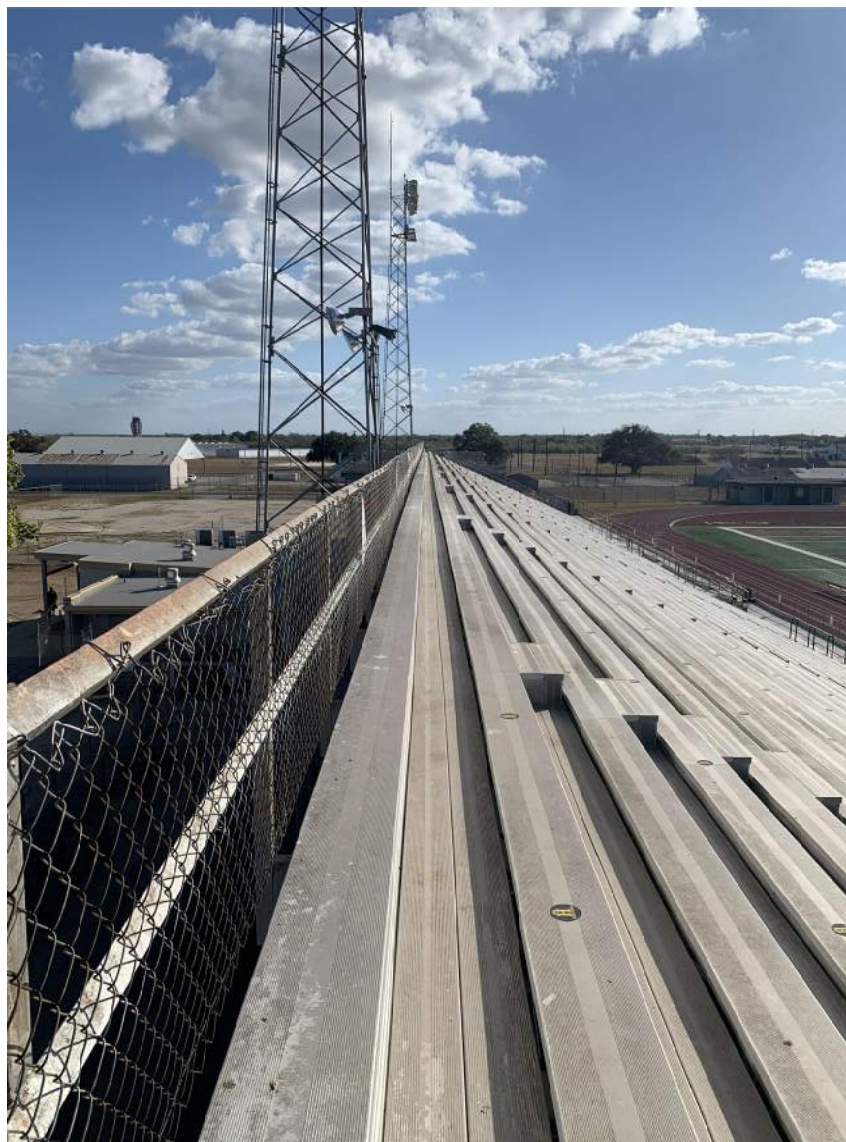
16 PHOTO



12 PHOTO



8 PHOTO



4 PHOTO

Project No. 182208

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Date: 02/22/2021

LUNDY & FRANKS
ENGINEERING
540 HEIMER ROAD
PH 210 879-7200
SAN ANTONIO, TEXAS 78228 TX 210 879-7200

Owner
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RVK
architecture interior design landscape architecture
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S200
PHOTOS



1 PHOTO



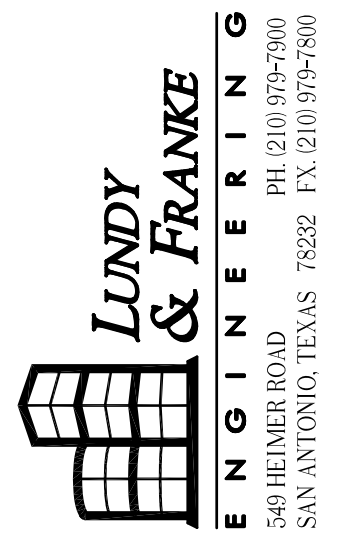
2 PHOTO



3 PHOTO

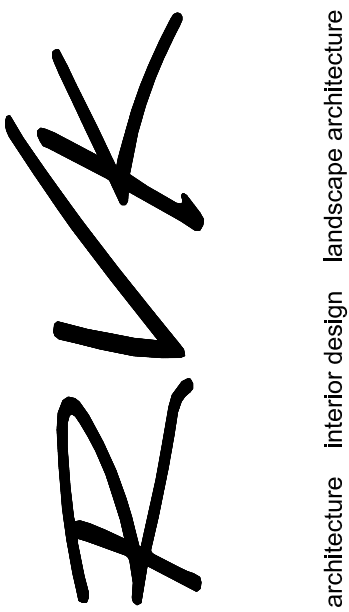
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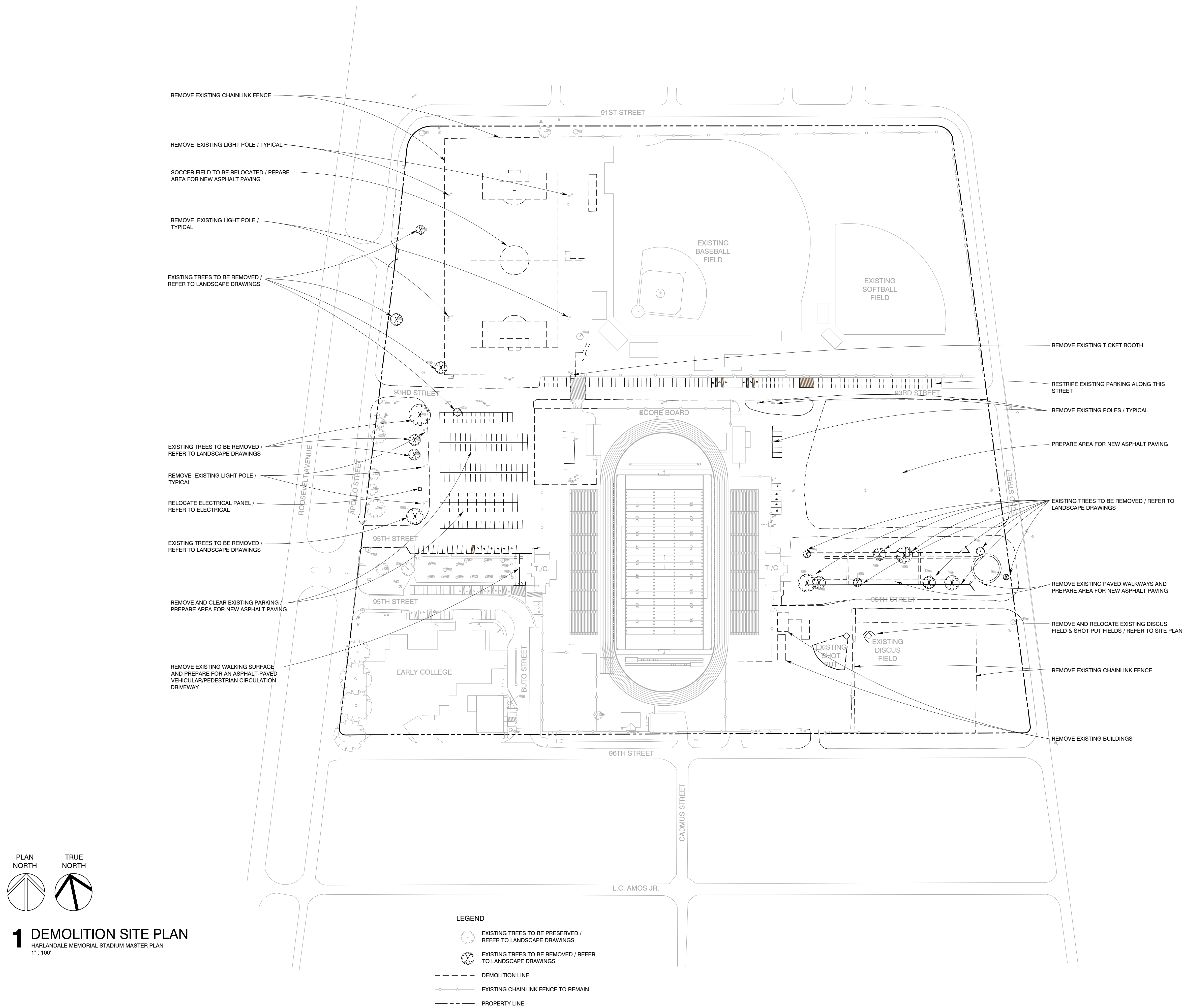
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S201
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Harlandale ISD

Harlandale Memorial Stadium

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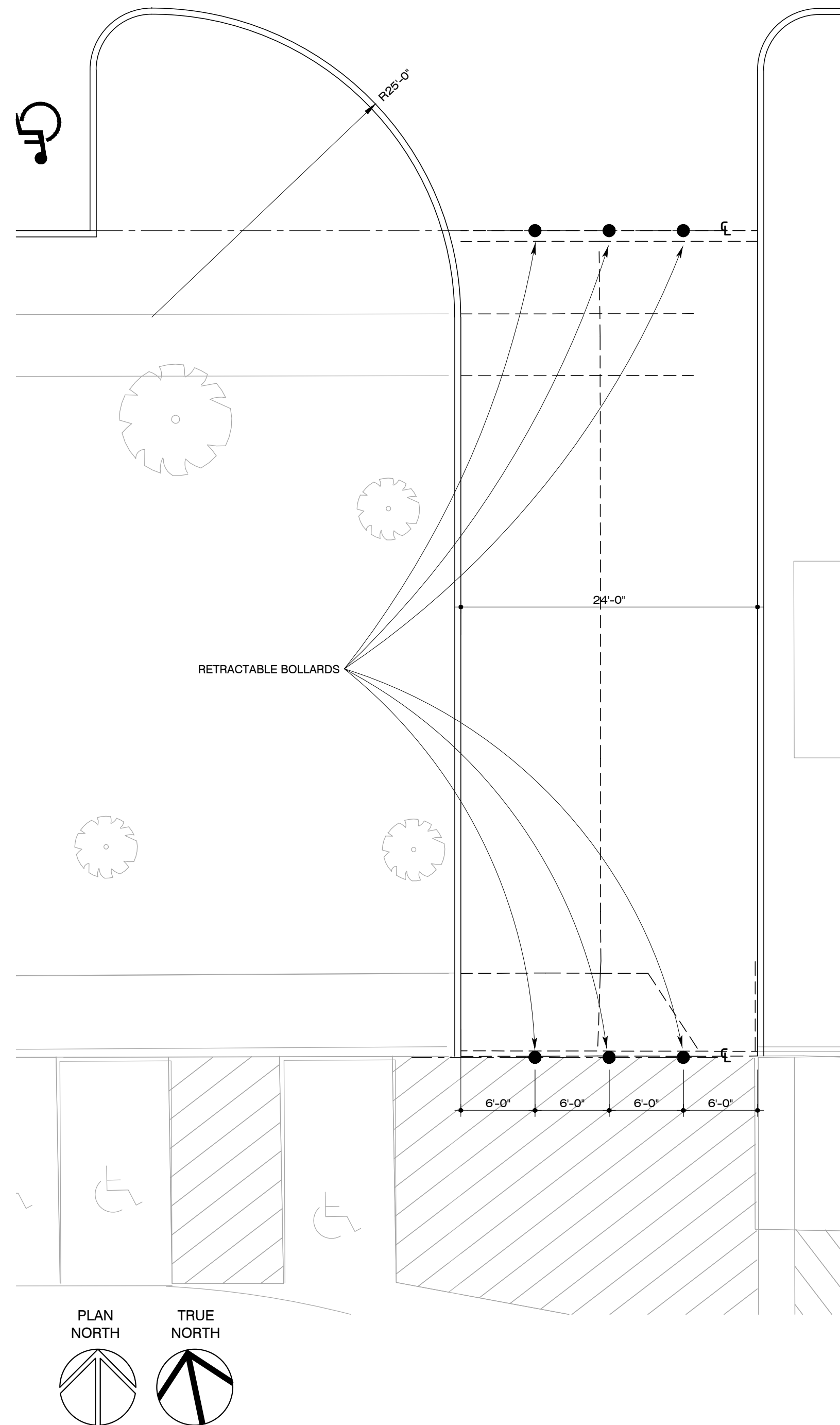


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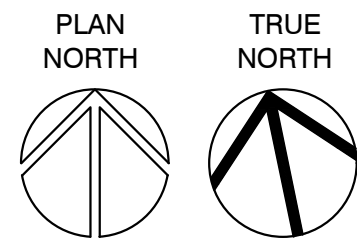
100% design development

AD-101

ARCHITECTURAL
DEMOLITION SITE PLAN

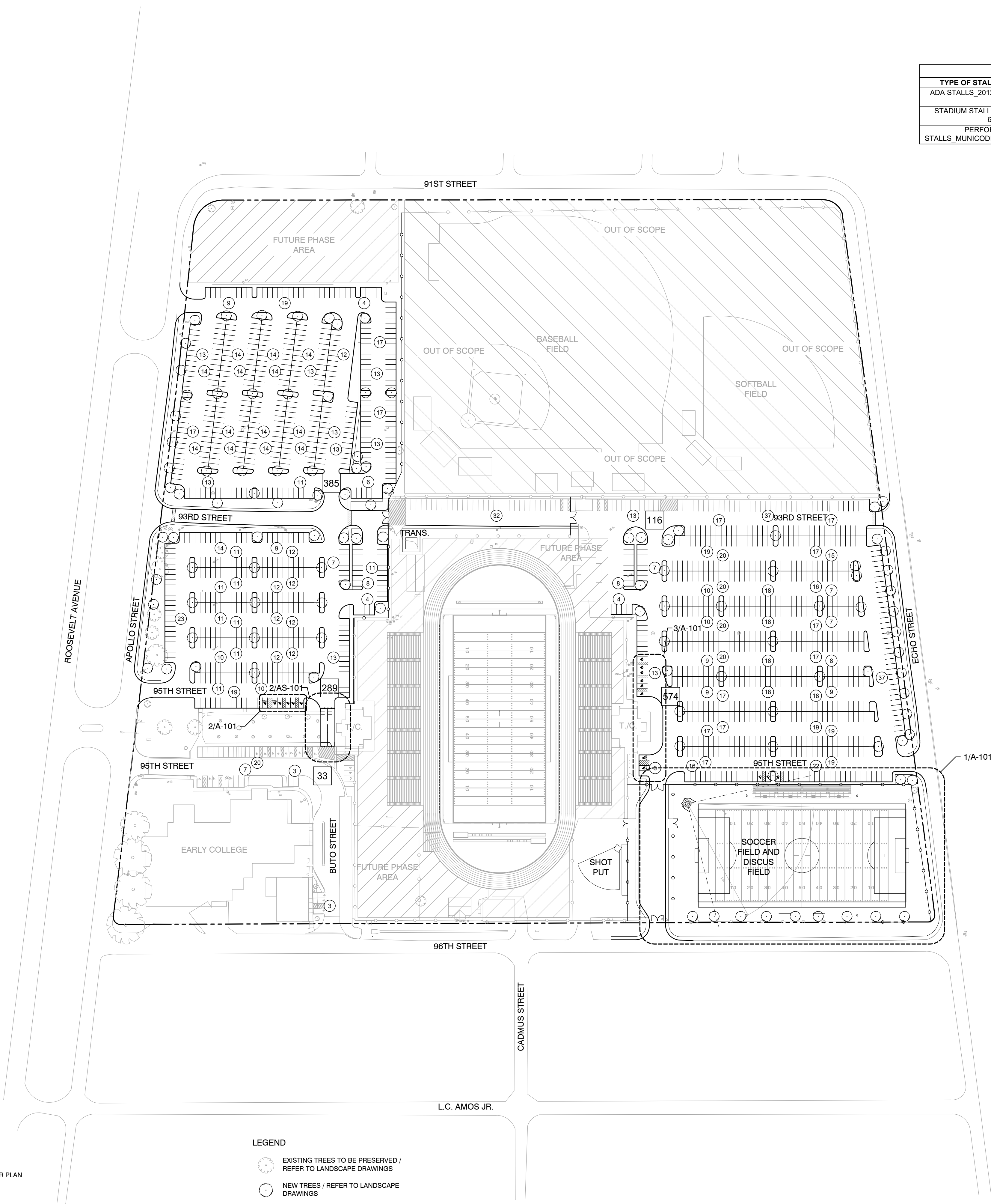


2 ENLARGED PLAN
VEHICULAR/PEDESTRIAN CROSSING @ STADIUM'S MAIN ENTRY
1/8" = 1'

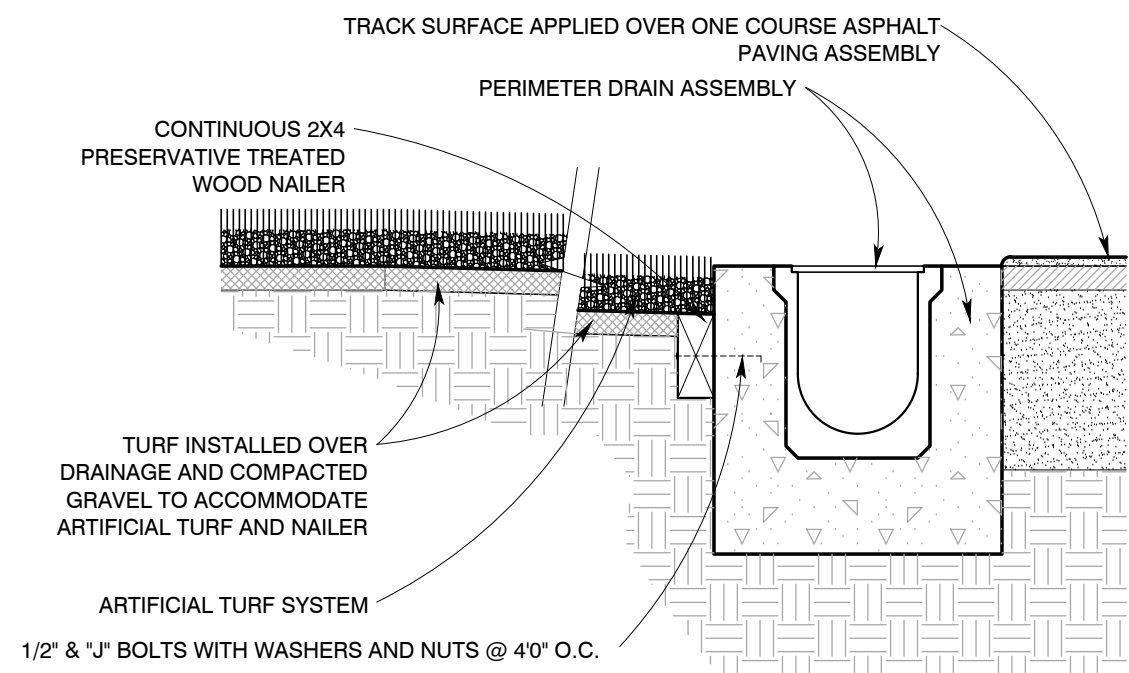


1 SITE PLAN
HARLANDALE MEMORIAL STADIUM MASTER PLAN
1" = 100'

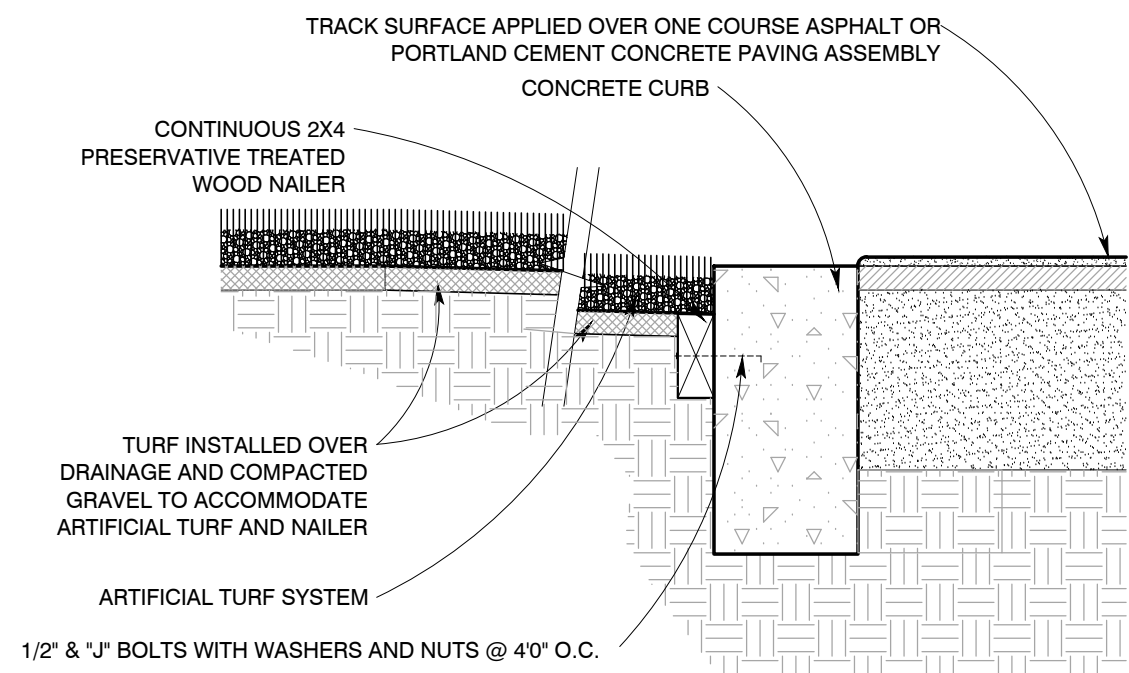
- LEGEND**
- EXISTING TREES TO BE PRESERVED / REFER TO LANDSCAPE DRAWINGS
 - NEW TREES / REFER TO LANDSCAPE DRAWINGS
 - NEW CHAINLINK FENCE
 - EXISTING CHAINLINK FENCE TO REMAIN
 - PROPERTY LINE



PARKING TABULATION		
TYPE OF STALL & REQUIREMENT SOURCE	MINIMUM REQUIRED	PROVIDED
ADA STALLS_2012 TAS_CHAPTER 2_TABLE 208.2	20, PLUS 1 FOR EACH 100, OR FRACTION THEREOF, OVER 1000 = 24 STALLS	24
STADIUM STALLS, MUNICODE ARTICLE V_DIV 6, TABLE 526-3B	RECREATION/ATHLETIC FIELDS = 1:6 SEATS = 10,000/6 = 1,667 STALLS	1,397 STALLS
PERFORMING ARTS CENTER	AMUSEMENT/THEATER INDOOR = 1:6 SEATS = 4,000/6 = 667 STALLS	1,397 STALLS
STALLS, MUNICODE ARTICLE V_DIV 6TABLE 526-3B		



3 SECTION
ARTIFICIAL TURF AT PERIMETER DRAIN
1-1/2" = 1'



4 SECTION
ARTIFICIAL TURF AT D-AREA
1-1/2" = 1'

Harlandale ISD

Harlandale Memorial Stadium

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san antonio, texas

REVISIONS:

RVK
ARCHITECTURE

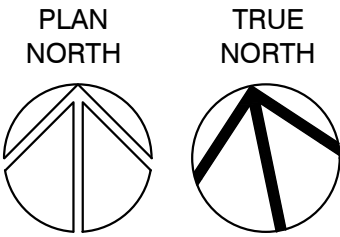
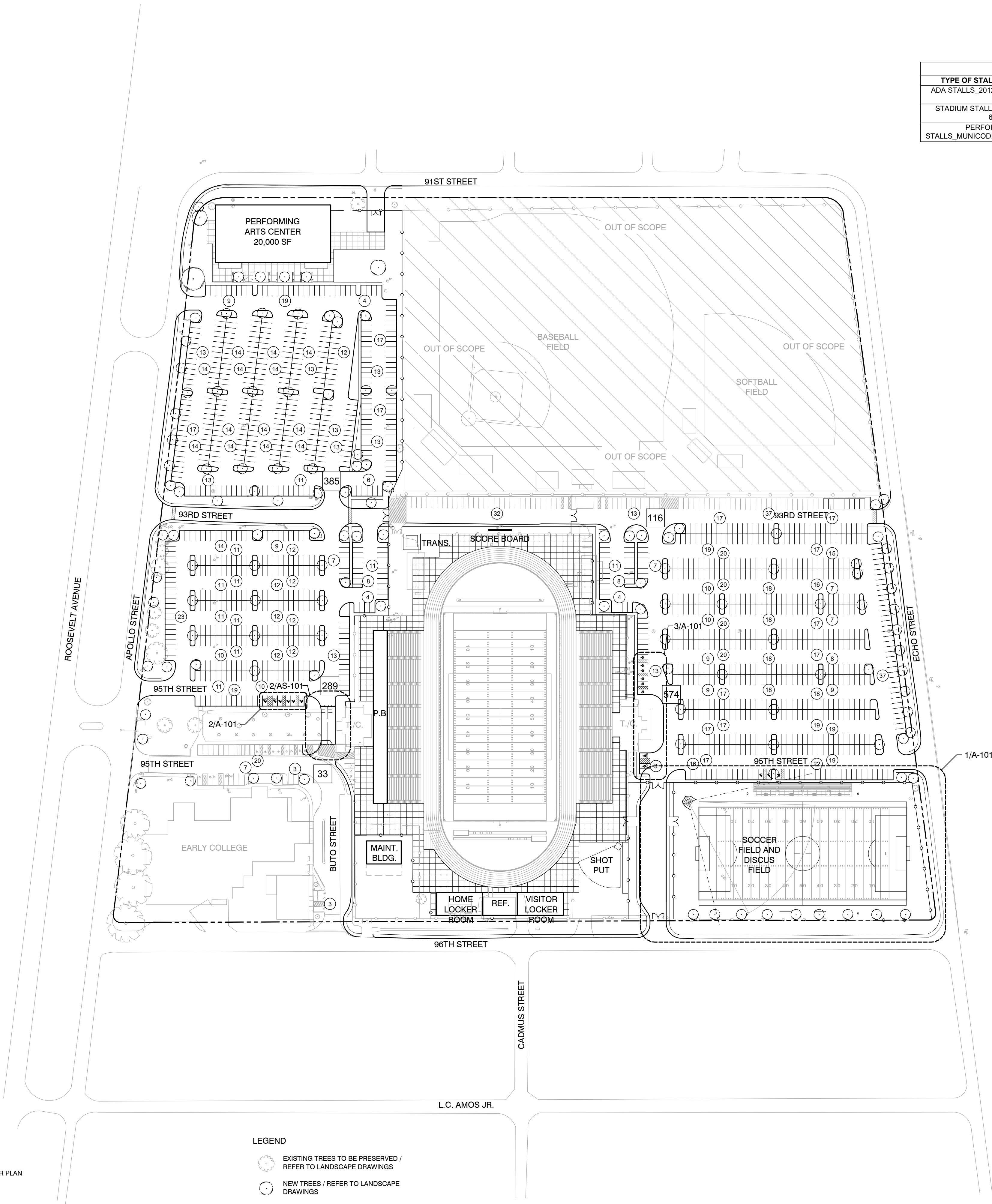
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AS-101A

ARCHITECTURAL SITE
PLAN - PHASE A

PARKING TABULATION		
TYPE OF STALL & REQUIREMENT SOURCE	MINIMUM REQUIRED	PROVIDED
ADA STALLS_2012 TAS_CHAPTER 2_TABLE 208.2	20, PLUS 1 FOR EACH 100, OR FRACTION THEREOF, OVER 1000 = 24 STALLS	24
STADIUM STALLS_MUNICODE_ARTICLE V_DIV 6_TABLE 526-3B	RECREATION/ATHLETIC FIELDS = 1:6 SEATS = 10,000/6 = 1,667 STALLS	1,397 STALLS
PERFORMING ARTS CENTER STALLS_MUNICODE_ARTICLE V_DIV 6TABLE 526-3B	AMUSEMENT/THEATER INDOOR = 1:6 SEATS = 4,000/6 = 667 STALLS	1,397 STALLS



1 SITE PLAN
HARLANDALE MEMORIAL STADIUM MASTER PLAN
1" = 100'

- LEGEND
- EXISTING TREES TO BE PRESERVED / REFER TO LANDSCAPE DRAWINGS
 - NEW TREES / REFER TO LANDSCAPE DRAWINGS
 - NEW CHAINLINK FENCE
 - EXISTING CHAINLINK FENCE TO REMAIN
 - PROPERTY LINE

Harlandale ISD
Harlandale Memorial Stadium
1109-1101 apollo st.
san antonio, texas

revisions:

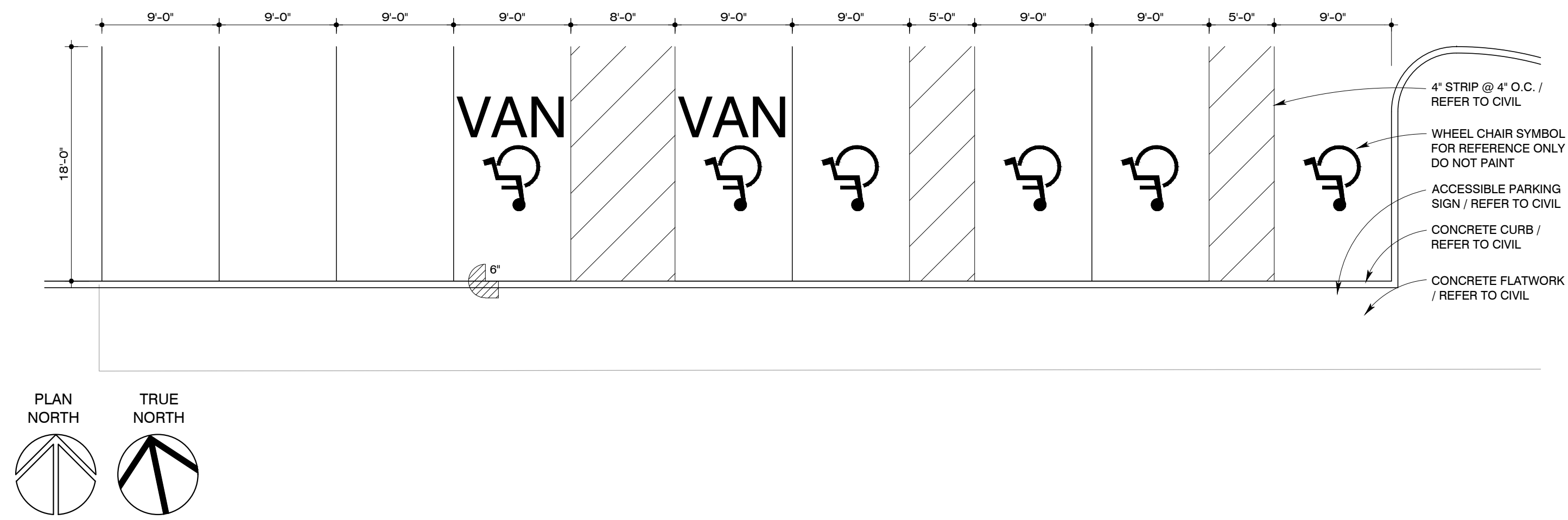


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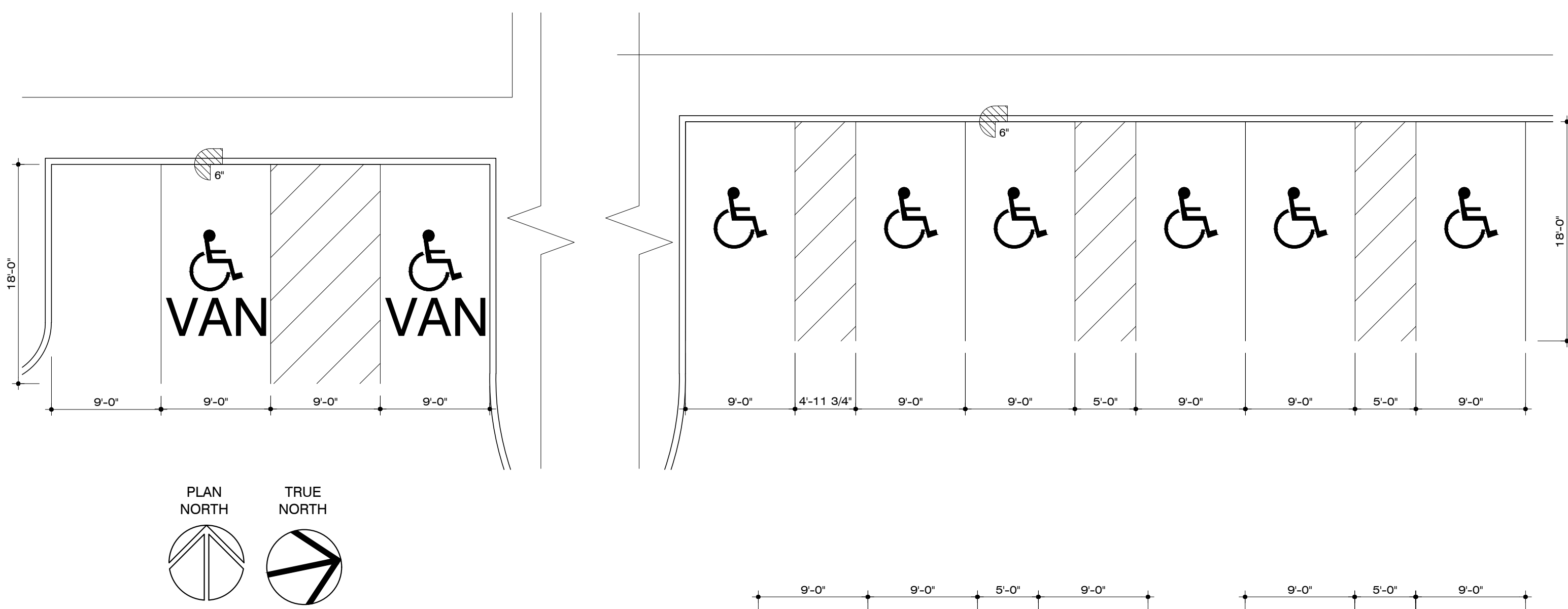
100% design development

AS-101B

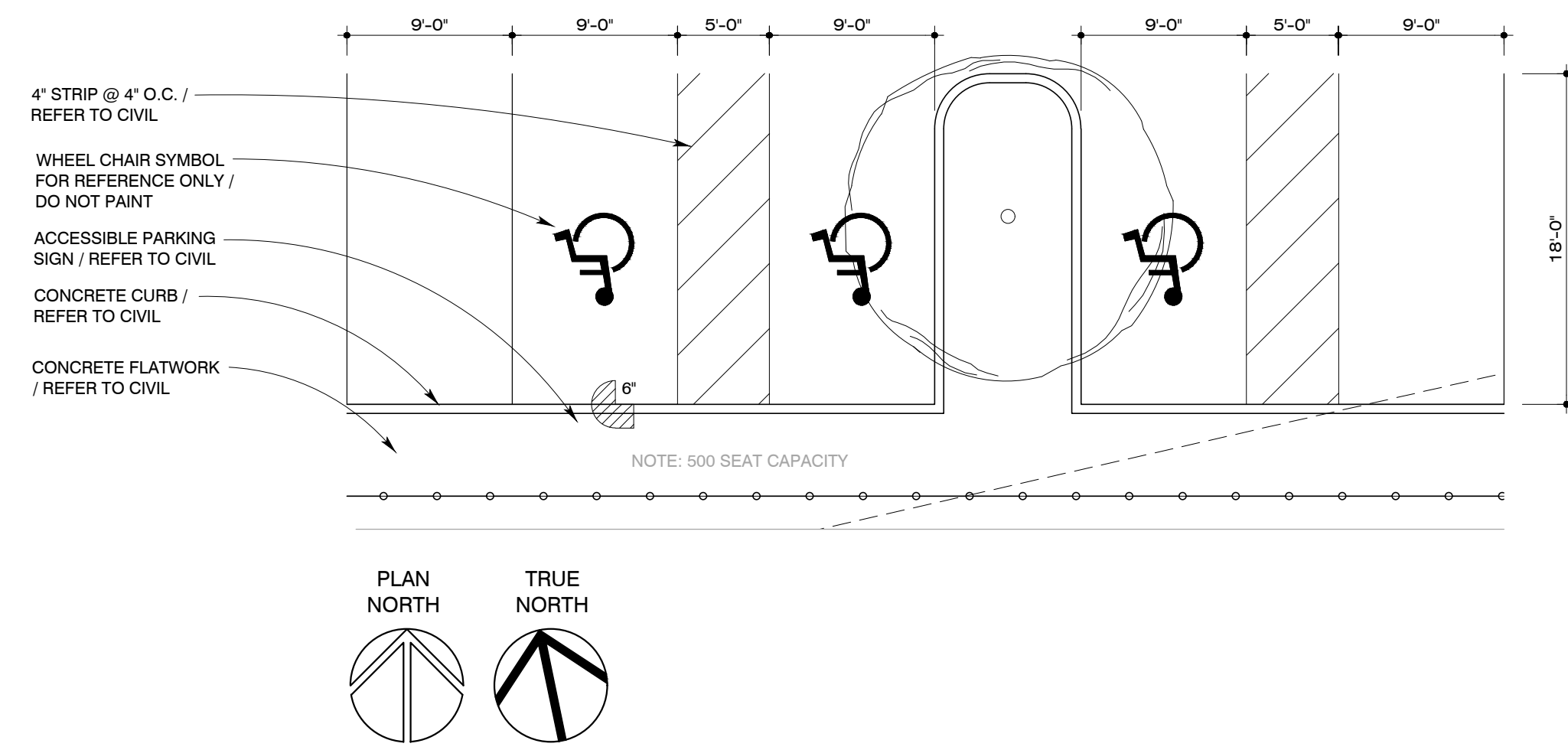
ARCHITECTURAL SITE
PLAN - ALL PHASES



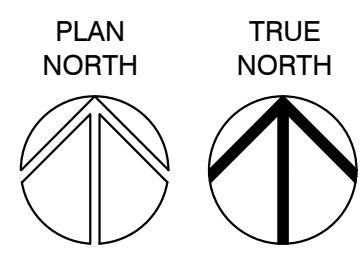
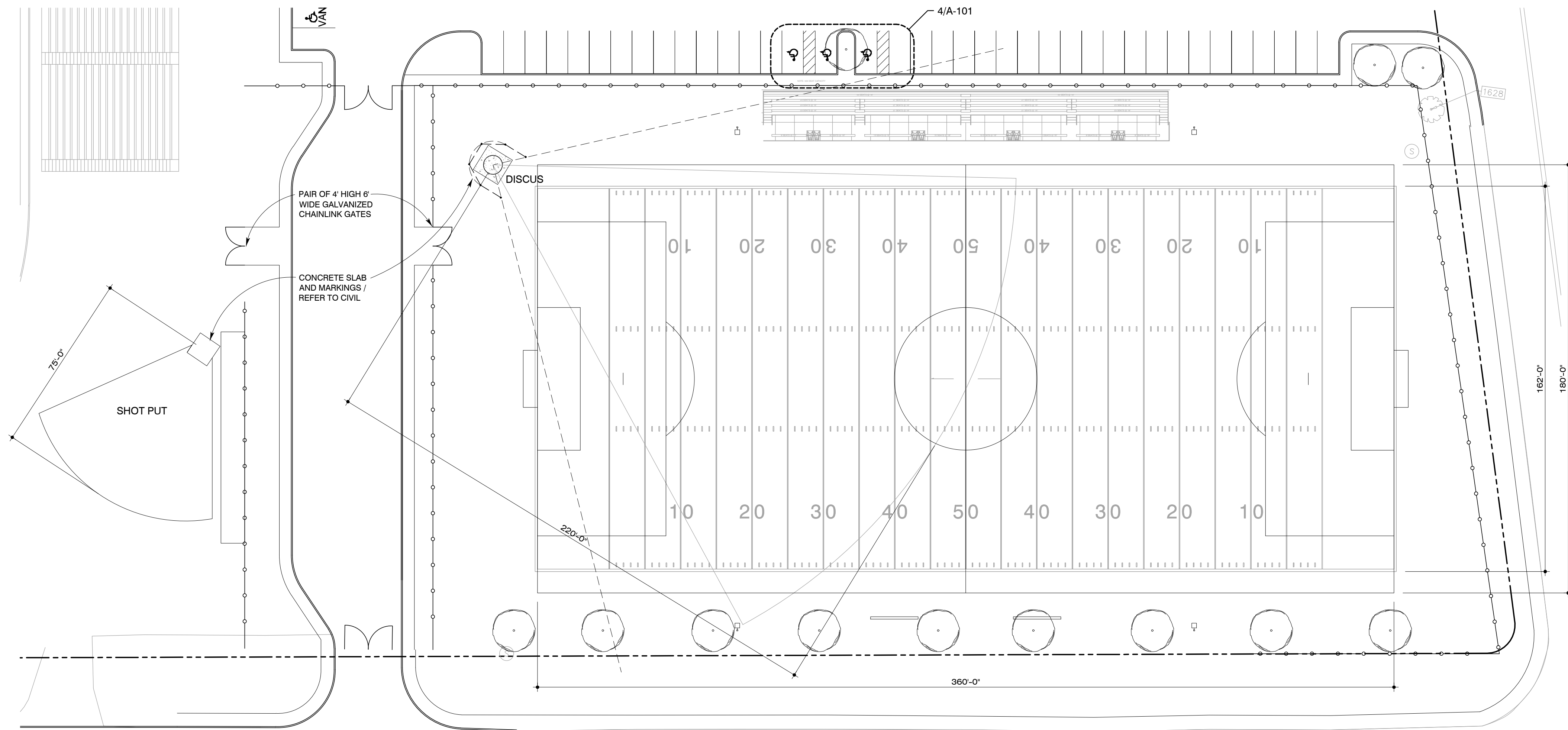
2 HANDICAP PARKING
AT WEST STADIUM ENTRANCE
1/8" = 1'



3 HANDICAP PARKING
AT EAST STADIUM ENTRANCE
1/8" = 1'



4 HANDICAP PARKING
AT NORTH SOCCER FIELD ENTRANCE
1/8" = 1'



1 FLOOR PLAN
SOCCER FIELD
1" = 30'

SITE LIGHTING FIXTURE SCHEDULE									
TYPE	MANUFACTURER	MODEL	LAMP	COLOR TEMP	VOLTAGE	LOAD (VA)	LUMENS	DESCRIPTION	
SL1-3	COOPER	GLEON-SA5C-740-U-T3-XX-HSS-MS/DIM-L40W	LED	4000K	MMVOLT	279	35358	SINGLE HEAD POLE LIGHT, 27" POLE ON 36"H BASE, TYPE 3 DISTRIBUTION, MOTON SENSOR DIMMING	
SL1-4	COOPER	GLEON-SA5C-740-U-T4FT-XX-HSS-MS/DIM-L40W	LED	4000K	MMVOLT	279	35564	SINGLE HEAD POLE LIGHT, 27" POLE ON 36"H BASE, TYPE 3 DISTRIBUTION, MOTON SENSOR DIMMING	
SL2	COOPER	GLEON-SA5C-740-U-5WQ-HSS-MS/DIM-L40W-MA1037-XX	LED	4000K	MMVOLT	558	74652	DUAL HEAD POLE LIGHT (180 DEG), 27" POLE ON 36"H BASE, TYPE 3 DISTRIBUTION, MOTON SENSOR DIMMING	
SLP	COOPER	INWUE-LXS-VA-X-740-X-XX-ARP-5-L-6-10-A-XX-XX-	LED	4000K	MMVOLT	???	????	10" DECORATIVE PEDESTRIAN WALKWAY LIGHT	

GENERAL NOTES - ELECTRICAL SITE PLAN

- FIELD VERIFY LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES AND SYSTEMS PRIOR TO EXCAVATING TRENCHES
- SEE ONE-LINE DIAGRAM ON SHEET ED.1 FOR FURTHER INFORMATION.
- NO MORE THAN 360° BENDS PERMITTED FOR ANY SINGLE CONDUIT RUN. PROVIDE ADDITIONAL HANDHOLES, AS REQUIRED. SUBMIT HAND-TO-TOE MATERIAL DATA AND LOCATIONS TO THE ENGINEER FOR REVIEW PRIOR TO INSTALLATION.
- ALL WORK RELATED TO THE ELECTRICAL SERVICE SHALL BE DONE IN ACCORDANCE WITH CPS CONSTRUCTION STANDARDS.
- MINIMUM PHASE, NEUTRAL, AND GROUND CONDUCTOR SIZES FOR SITE LIGHTING CIRCUITS SHALL BE #10 CU.
- REFER TO 20A VOLTAGE DROP TABLE ON SHEET ED.1 FOR ADJUSTMENT OF BRANCH CIRCUIT CONDUCTOR SIZES.

KEYED NOTES - ELECTRICAL

- APPROXIMATE LOCATION OF EXISTING CPS UTILITY POLE. INSTALL NEW SERVICE RISER.
- NEW UNDERGROUND CPS PRIMARY SERVICE.
- REMOVE CPS OVERHEAD UTILITY POLES AND TRANSFORMERS ALONG 93RD ST.
- CPS PAD MOUNTED TRANSFORMER.
- NEW 480/277V SWITCHBOARD MBS TO SERVE ENTIRE SPORTS COMPLEX.
- NEW UNDERGROUND 480/277V FEEDERS.
- NEW DISTRIBUTION REPLACES EXISTING.
- EXISTING PANEL REMAINS; RE-FEED FROM NEW MBS.
- NEW DISTRIBUTION CENTER TO SERVE LOCKER ROOM BUILDINGS.
- EXISTING SOCCER FIELD SPORTS LIGHT STRUCTURE TO BE RELOCATED.
- NEW LOCATION OF SOCCER FIELD SPORTS LIGHT STRUCTURE.
- NEW LOCATION OF EXISTING ELECTRICAL GEAR AND CONTROLS FOR SOCCER LIGHTS.

Project	Catalog #	Type
Prepared by	Notes	Date



McGraw-Edison
GLEON Galleon

Area / Site Luminaire

Typical Applications
Outdoor • Parking Lots • Walkways • Roadways • Building Areas

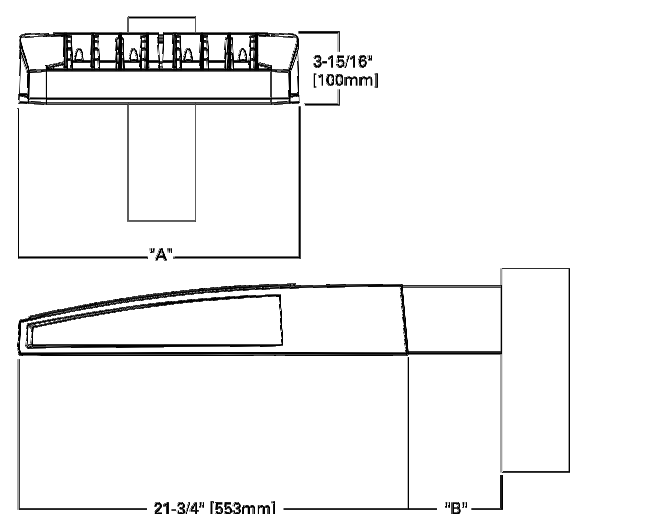
Interactive Menu

- Ordering Information page 2
- Mounting Details page 3
- Optical Distributions page 4
- Product Specifications page 4
- Energy and Performance Data page 4
- Control Options page 4

Quick Facts

- Lumen packages range from 4,200 - 80,800 (34W - 640W)
- Efficacy up to 156 lumens per watt

Dimensional Details



Number of Luminaire	4" Width	6" Standard Arm Length	8" Extended Arm Length	10" Extended Arm Length	Dark Mount Extended Arm Length
1-4	15-1/2"	7"	10"	10-5/8"	16-9/16"
5-6	21-5/8"	7"	10"	10-5/8"	16-9/16"
7-8	27-5/8"	7"	13"	10-5/8"	-
9-10	33-3/4"	7"	16"	-	-

NOTES:
For more detailed requirements and additional details, see Mounting Details section.



PS0000028V page 1
October 15, 2020 1:02 AM

DESCRIPTION

The LuseScape Collection presents a contemporary, architectural luminaire providing superior uniformity and efficient illumination. Designed to enhance urban spaces with beautiful visual appearance and integral control solutions, LuseScape integrates into any environment while providing high visibility by utilizing industry-leading WaveStream™ LED optics.

SPECIFICATION FEATURES

Construction
Housing assembly is IP68 rated and cast from low copper content corrosion resistant aluminum, maintaining strength and precision to sustain long term form appearance. 35 rated construction avoids damages from installation generated vibration. Corrosion-resistant color matching hardware are minimized to enhance appearance.

Optics
Designed for complex site or pedestrian applications, WaveStream™ LED optical waveguide technology produces both symmetric NEMA Type V and asymmetric NEMA III, IV distributions. The waveguide is manufactured from precision injection molded acrylic delivering visual comfort and optically controlled illumination for improved glare control. Luminaire efficacy measures in excess of 150 lm/w for 4000K (+/- 27K) CCT at 70 CRI (min). Optional 3000K CCT at 70 CRI or 3000K CCT at 80 CRI also available.

Electrical
LED drivers are uniquely positioned and mounted for

maximum thermal performance and extended life. Standard 0-10V dimming drivers and surge protection module are designed to withstand 150V of transient line surge. Drivers operate at 120-277V 50/60Hz with 347V 60Hz or 480V 60Hz operation optional. Suitable for ambient temperature applications as low as -40°C (40°F) to 40°C (104°F). High ambient options available allow for 50°C operation.

Controls
Control solutions are designed to be simple, cost-effective, energy code, and regulation compliant solutions featuring WaveLine. See control options page for more details.

Mounting
Mounts aluminum round decorative pole (ARP) offering provides a seamless transition and complements the contemporary design architecture with its unique sleek taper and base design. The luminaire pole comes standard with an access door feature integrated into the base.

Arm Mount
The integrated aluminum contemporary upsway arm is bolted directly to the pole using

an "N" drill pattern. Provides a seamless transition to a 4" or 6" round pole.
Spider & Cantilever Mount
Fitter assembly mounts over 3" O.D. tenon and can be adapted to a 2-3/8" tenon. It is secured via concealed, corrosion resistant set screw and jam screw pairs in six inconspicuous locations. Fitter design provides seamless transition to 4" O.D. round pole top. Optional mounting accessories include a twin arm mount and wall mount arm.

Finish
Cooper Lighting Solutions utilizes premium ultra-weatherable TGIC based polyester powder coating specifically formulated to withstand extended outdoor exposure while providing decorative appeal. Finish is compliant to 3,000 hour salt spray standard per ASTM B117, RA, and custom color matches available.

Warranty
Five-year warranty.



Catalog #	Type
Project	Date
Comments	
Prepared by	



LXS LUXESCAPE
COLLECTION
DECORATIVE LUMINAIRE

CERTIFICATION DATA

UL/NL Listed
UL Class A
UL ENEC Pre-Approved
ANSI C136.36 Vibration
ASTM A888 Low Copper Alloy
ASTM B117 Salt Spray Tested
ISO 9001
Design/Write Consortium® Qualified®
DA certified 3000K CCT and warmer only

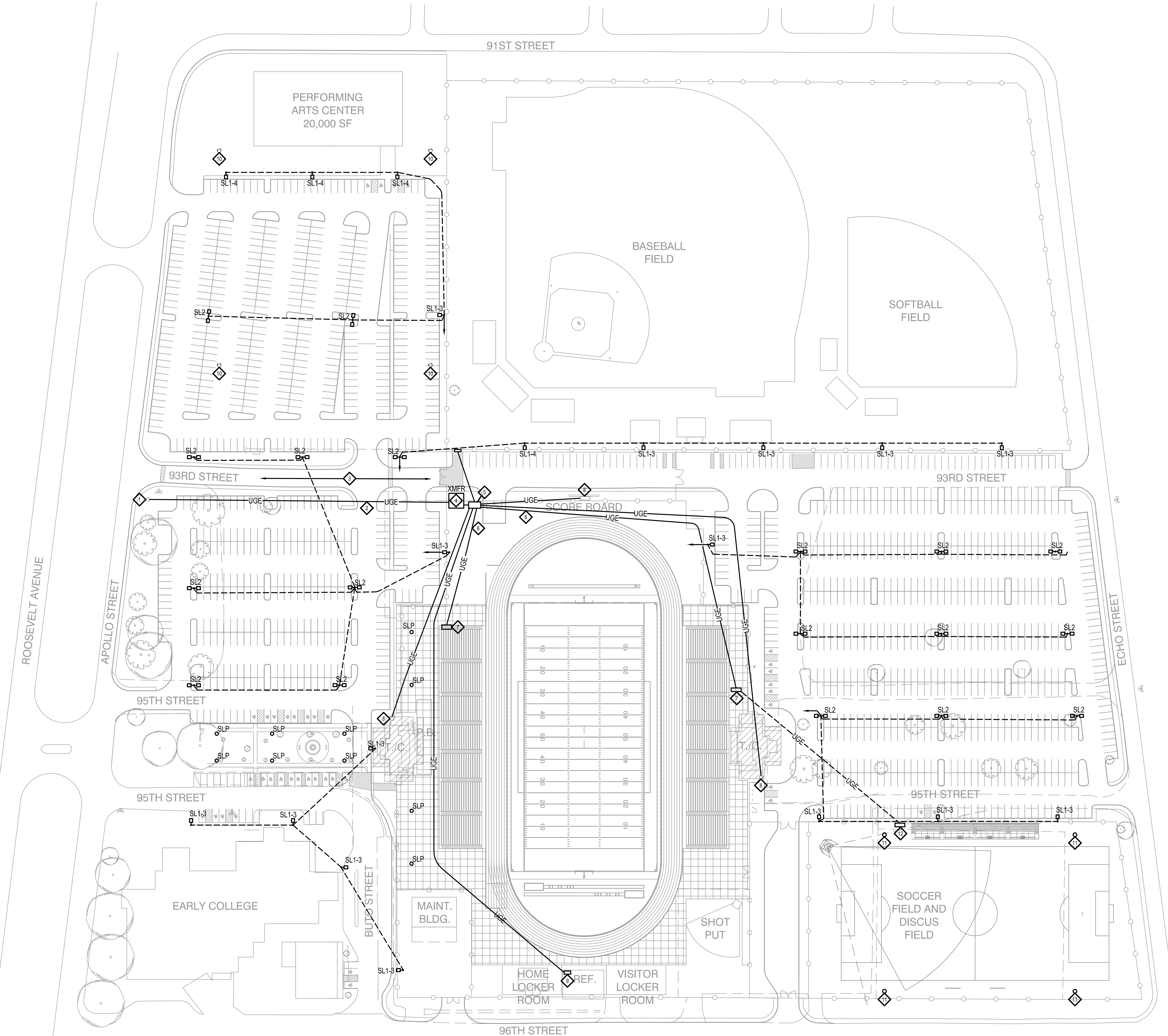
ENERGY DATA
Electronic LED Driver
4-10 Power Factor
>90% Total Harmonic Distortion
120-277V 50/60Hz, 347V 60Hz, 480V 60Hz
40°C Ambient Temperature Rating
As low as -40°C (-40°F) minimum temperature
See MINIMUM TEMPERATURE table

EPA
Efficient Projected Area: 50, 9, 1
Arm Mount: 1.0
Cantilever Mount: 1.0
Spider Mount: 1.0

SHIPPING DATA
Approximate Net Weight
Arm Mount Weight: 41 lb (18.6 kg)
Cantilever Mount Weight: 41 lb (18.6 kg)
Spider Mount Weight: 41 lb (18.6 kg)

*www.daelgrights.org

September 28, 2020 8:06 PM



1 ELECTRICAL SITE PLAN
SCALE: 1" = 60'-0"

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HISD
HISD - Memorial Stadium
XXXXX
San Antonio, Texas

revision date



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Project Phase

E1.0

TREE PRESERVATION INVENTORY - HISD MEMORIAL STADIUM																	2/22/2021 13:55	
#	SPECIES	DBH	SMALL TREES		SHORT LIVED		SIGNIFICANT SMALL SPECIES		SIGNIFICANT TREES		HERITAGE SMALL SPECIES		HERITAGE SHORT LIVED		HERITAGE TREES 3-1		NOTES	
			2-10"		10-15"		16-24"		25-35"		36-45"		46-55"					
			REMOVED	PRESERVED	REMOVED	PRESERVED	REMOVED	PRESERVED	REMOVED	PRESERVED	REMOVED	PRESERVED	REMOVED	PRESERVED				
1561	TALLOW	37" R															not counted - understory species	
1562	TALLOW	27" R															not counted - understory species	
1574	TALLOW	16" R															not counted - understory species	
1580	TALLOW	16" R															not counted - understory species	
1581	TALLOW	20" R															not counted - understory species	
1582	TALLOW	34" R															not counted - understory species	
1584	TALLOW	20" R															not counted - understory species	
1586	TALLOW	30" R															not counted - understory species	
1610	CEGAR	17" R							17								not counted - understory species	
1627	HACKBERRY	12" R			12												not counted - understory species	
1628	LIGUSTRUM	11" P															not counted - understory species	
2716	ELM	14" P								14							not counted - understory species	
3233	TALLOW	44" R															not counted - understory species	
3233	CEGAR	17" R							17								not counted - understory species	
3234	TALLOW	24" R															not counted - understory species	
3234	TALLOW	23" R															not counted - understory species	
3235	TALLOW	21" P															not counted - understory species	
3236	OAK	32" P													50		not counted - understory species	
3237	TALLOW	24" P															not counted - understory species	
3238	OAK	24" P														26	not counted - understory species	
3239	OAK	38" P															not counted - understory species	
3240	TALLOW	34" R															not counted - understory species	
3823	SYCAMORE	8" P								8							not counted - understory species	
3824	SYCAMORE	8" P								8							not counted - understory species	
3825	OAK	5" P															not counted - understory species	
3826	OAK	5" P															not counted - understory species	
3827	OAK	9" P								9							not counted - understory species	
3828	OAK	5" P															not counted - understory species	
3829	OAK	5" P															not counted - understory species	
3830	OAK	6" P															not counted - understory species	
3831	OAK	9" P															not counted - understory species	
3832	OAK	5" P															not counted - understory species	
3833	OAK	5" P															not counted - understory species	
3834	OAK	5" P															not counted - understory species	
3835	OAK	8" P															not counted - understory species	
3836	OAK	5" P															not counted - understory species	
3837	OAK	5" P															not counted - understory species	
3838	OAK	5" P															not counted - understory species	
7295	HACKBERRY	18" P															not counted - understory species	
7436	CEGAR	25" R				16										25	not counted - understory species	
7436	CEGAR	19" R								19							not counted - understory species	
7576	LIGUSTRUM	12" P															not counted - understory species	
7767	OAK	6" P								6							not counted - understory species	
7768	OAK	27" P														27	not counted - understory species	
7769	OAK	25" P														25	not counted - understory species	
TOTAL TREE COUNT (trees)			10	1	18	0	0	0	5	8	0	0	0	0	5	54	TREES COUNTED ON SITE	
SUBTOTAL PRESERVED (inches)			0	0	18	0	0	0	147	375	0	0	0	0	147	375	TOTAL INCHES	
TOTAL PER CATEGORY (inches)			80	12	18	0	0	0	147	375	0	0	0	0	147	375	TOTAL INCHES	
PERCENT PRESERVED			60%	0%	60%	0%	0%	0%	67%	0%	0%	0%	0%	0%	65%	67%	AVERAGE PRESERVATION RATE	
PRESERVATION REQUIRED			40%	0%	40%	0%	0%	0%	33%	0%	100%	100%	100%	100%	35%	33%	TREES PRESERVED	
REPLACEMENT REQUIRED (inches)			-4	0	0	0	0	0	-24	0	0	0	0	0	76	5	TREES REMOVED	
MITIGATION RATE			1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	1:1	
TOTAL REPLACEMENT REQUIRED (inches)			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ARE SMALL TREES UTILIZED IN MITIGATION?			NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
MITIGATION PROVIDED AS PAYMENT			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MITIGATION PROVIDED AS SURPLUS			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MITIGATION BALANCE			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

CITY OF SAN ANTONIO - UDC V-5-35-523-e (05/06/2010)

2/22/2021 13:55

Final Tree Canopy Cover

TOTAL PROJECT AREA

684,970 SF

TOTAL CANOPY REQUIRED

171,243 SF

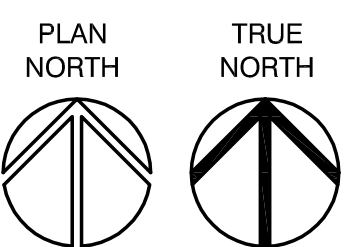
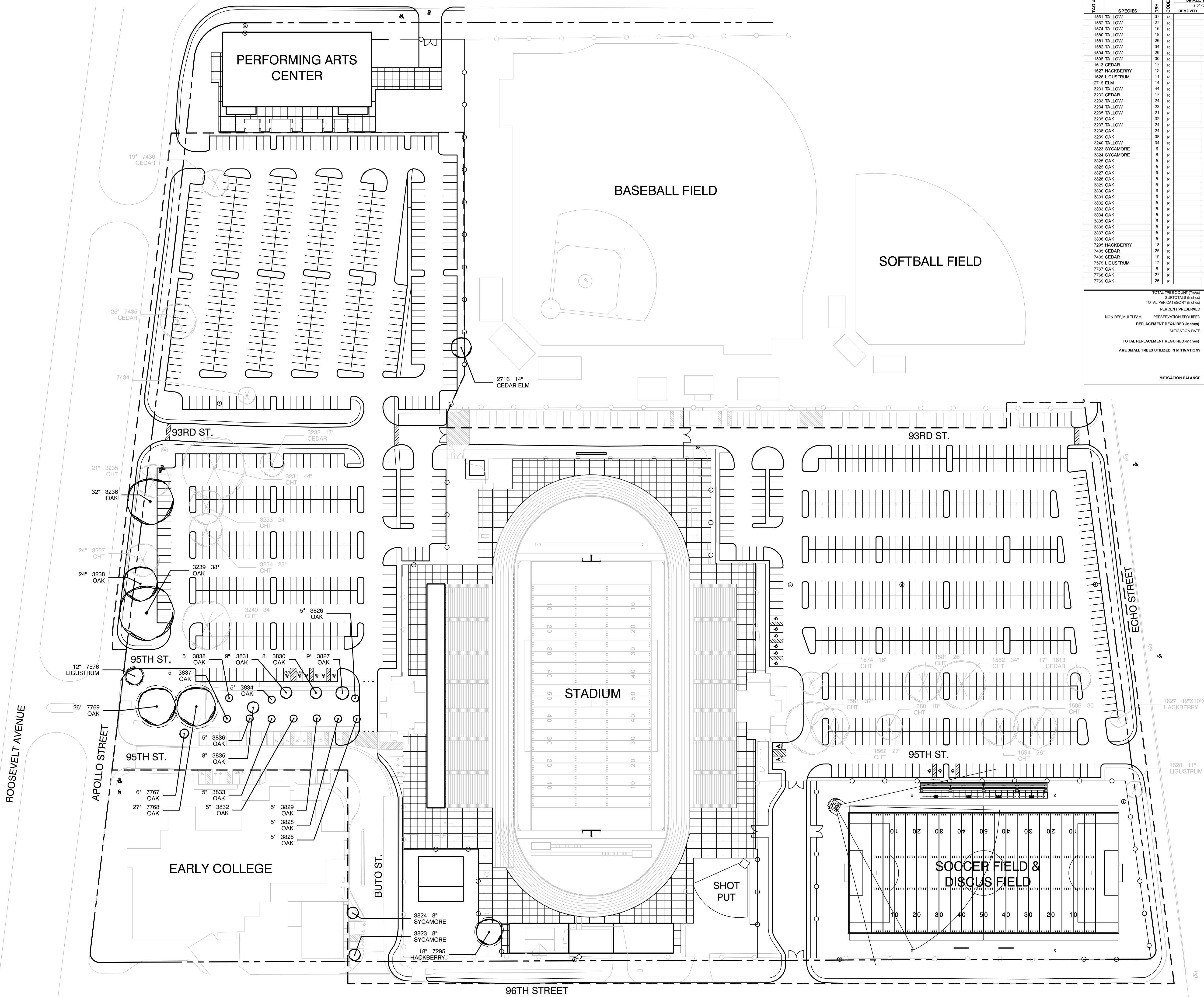
NONRES 25%

CANOPY MET WITH PRESERVED TREES - REFERENCE TP SERIES

QTY.	SHADE VALUE	PERCENT	SOFT	SPECIES	TAG #
2	1,200	100%	2,400	SYCAMORE	3823, 3824
21	875	100%	18,375	CEDAR, LIVE OAK	2716, 3236, 3238, 3239, 3825, 3826, 3827, 3828, 3829, 3830, 3831, 3832, 3833, 3834, 3835, 3836, 3837, 3838, 7767, 7768, 7769
-	550	100%	-		
-	275	100%	-		
23					
TOTAL PRESERVED CANOPY				20,775	SF
TOTAL PRESERVED CANOPY				3.0%	

CANOPY MET WITH PROPOSED TREE PLANTINGS - REFERENCE L SERIES

QTY.	SHADE VALUE	PERCENT	SOFT	SPECIES	NOTES
13	1,200	90%	14,040	MEXICAN SYCAMORE	
138	875	90%	108,675	LIVE OAK, CEDAR, ELM, CHINKAPIN OAK	
-	550	90%	-		
-	275	90%	-		
151					
TOTAL PROPOSED CANOPY				122,715	SF
TOTAL PROPOSED CANOPY				17.9%	
FINAL TREE CANOPY COVER				143,490	SF
FINAL TREE CANOPY COVER				20.9%	



1 OVERALL SITE PLAN

TREE PRESERVATION PLAN
1" = 60'-0"

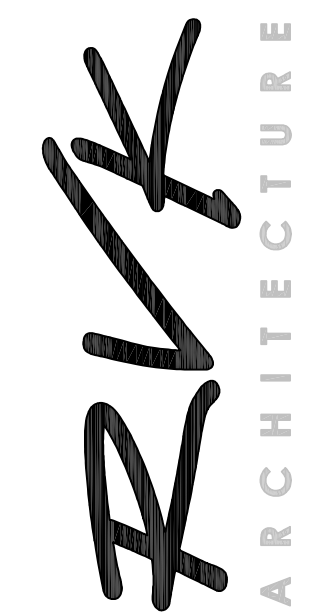
LEGEND

- EXISTING TREES TO BE PRESERVED
- EXISTING TREES TO BE REMOVED

Harlandale ISD

Harlandale Memorial Stadium
1109-1101 Apollo St.
San Antonio, Texas

revisions:

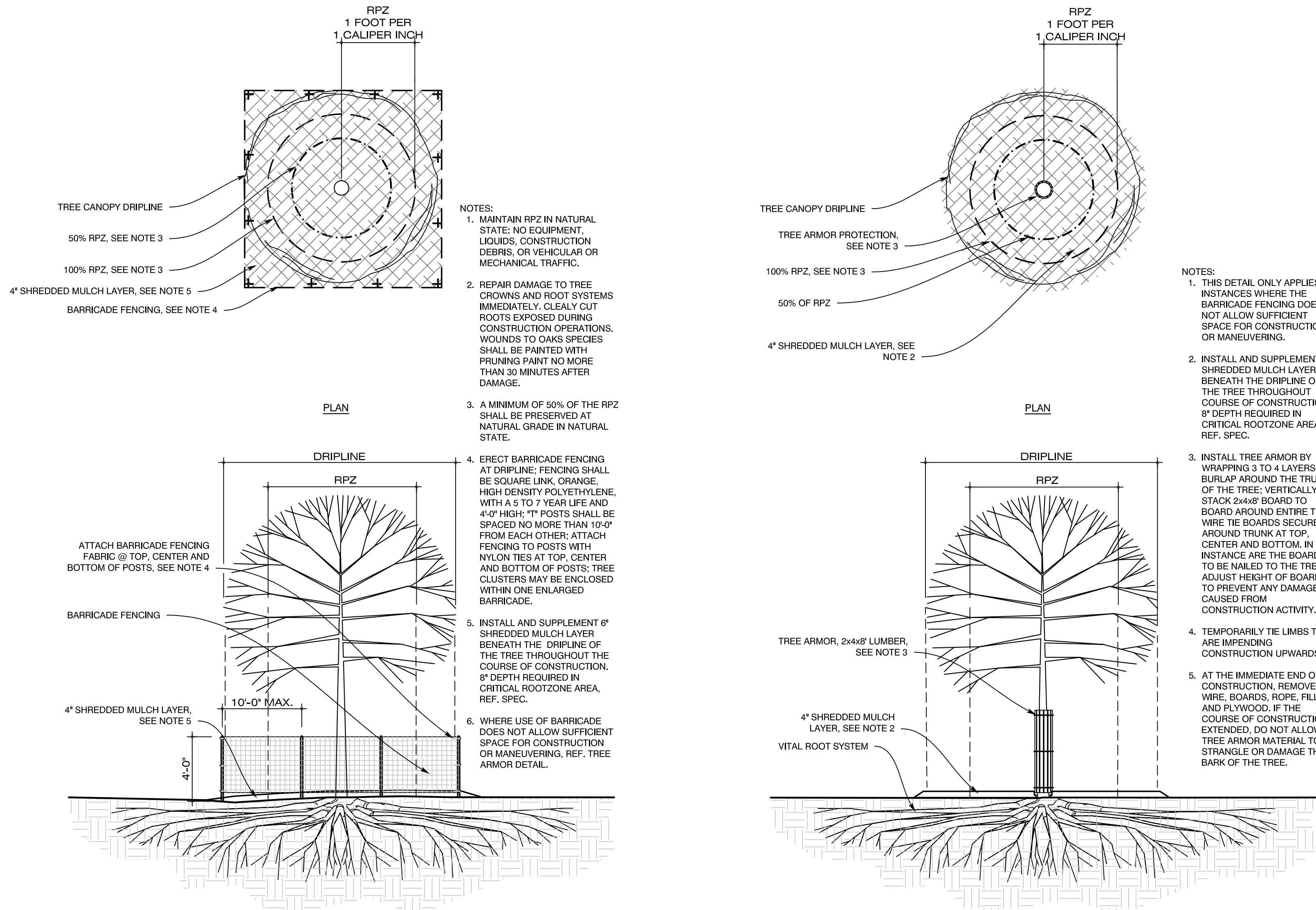


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schematic design

TP-100

TREE PRESERVATION PLAN



1 RPZ PROTECTIVE BARRICADE

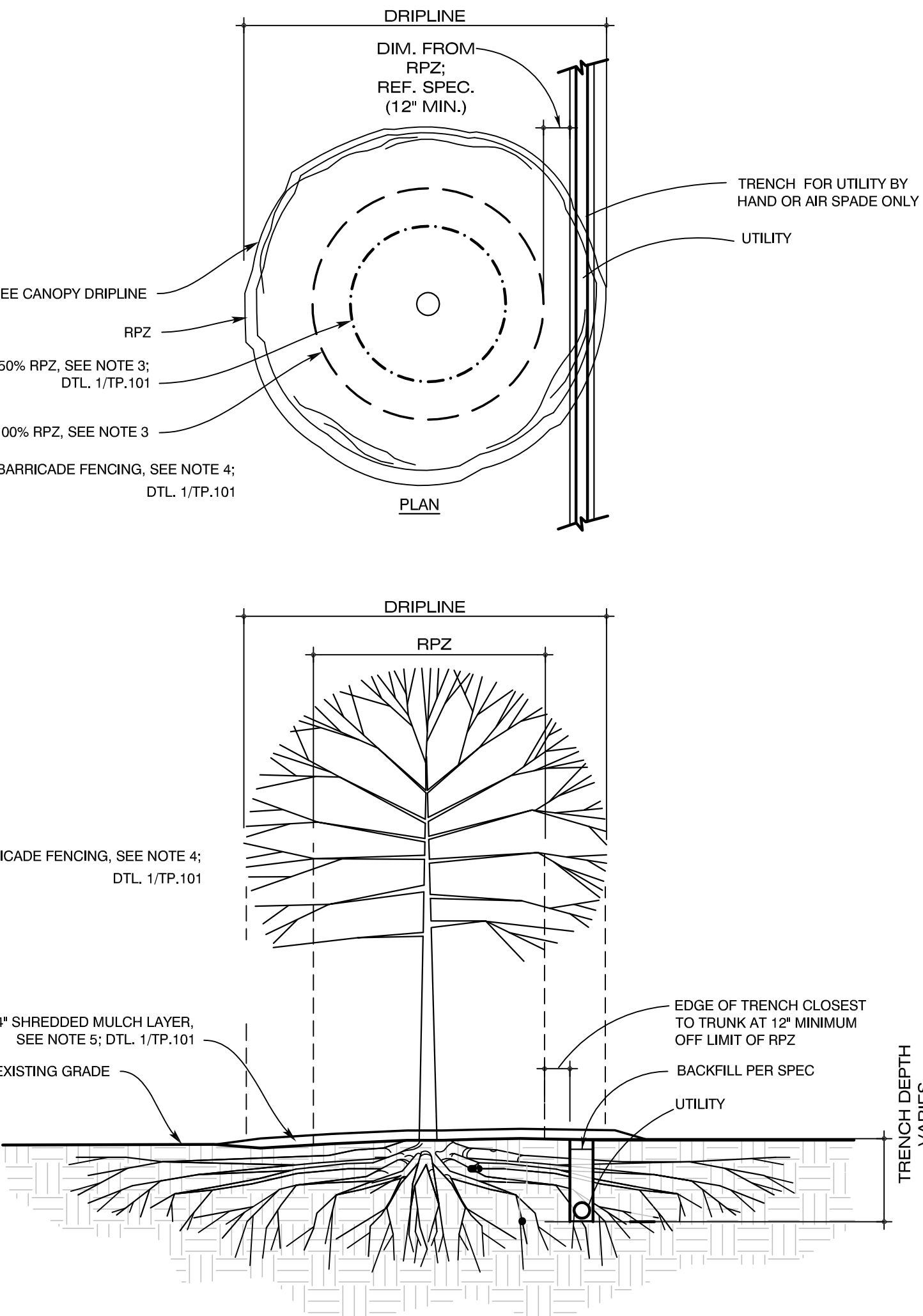
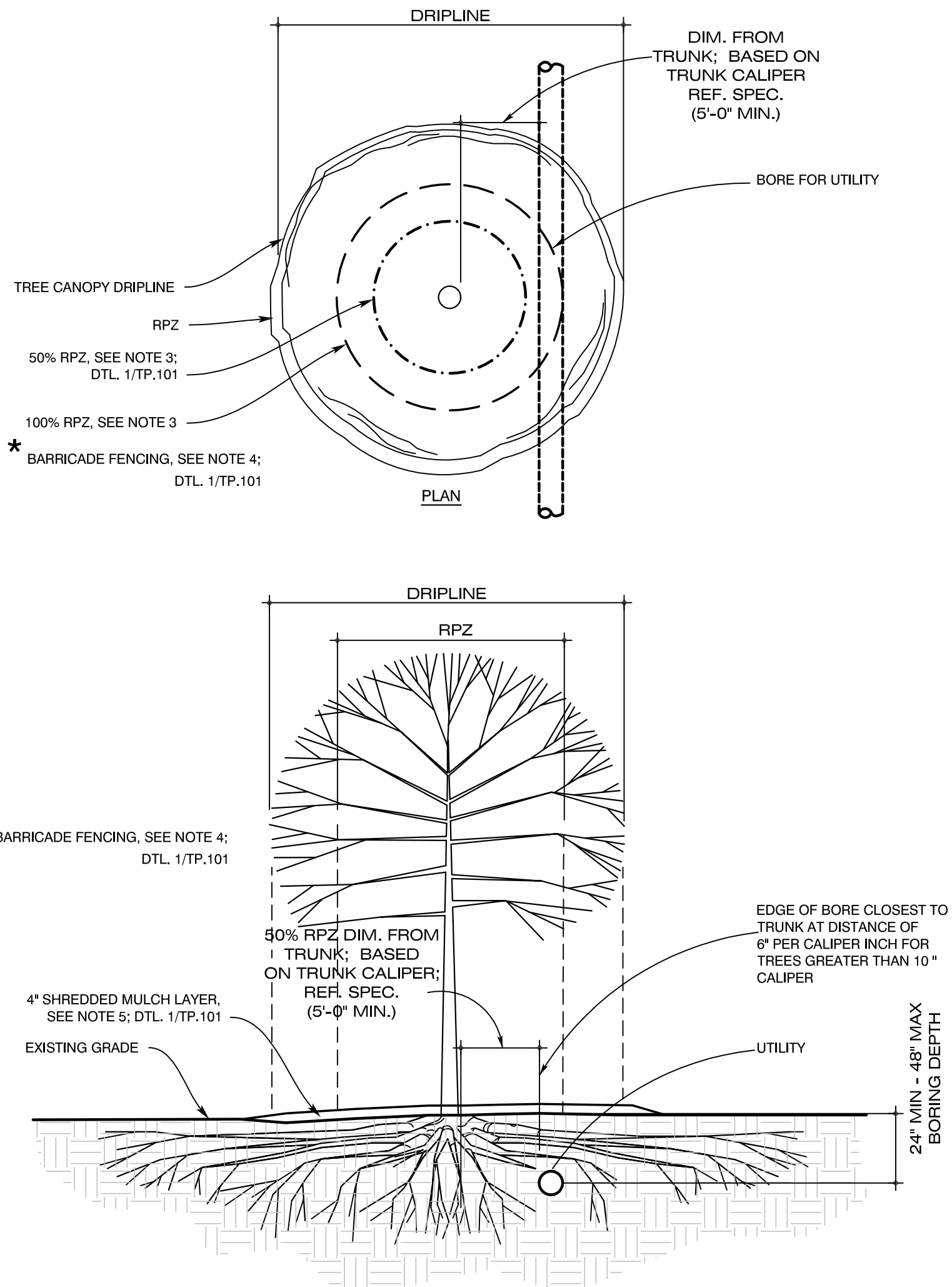
2 TREE ARMOR

3 BORING WITHIN RPZ

4 TRENCHING ADJACENT RPZ

TREE PRESERVATION NOTES

- TREE SURVEY INFORMATION IS BASED ON SITE SURVEY PREPARED BY PAPE DAWSON OF SAN ANTONIO, TX.(210)375-9000.
- ALL CONDITIONS NECESSITATING THE REMOVAL OR PRUNING OF A TREE SHALL BE REVIEWED BY LANDSCAPE ARCHITECT & OWNER'S REPRESENTATIVE. THE LOCATIONS OF ANY IMPROVEMENTS WITH THE POTENTIAL OF IMPACTING TREES SHALL BE STAKED/DELINEATED PRIOR TO THE FIELD REVIEW AND ANY CONSTRUCTION ACTIVITY.
- REMOVAL OF ANY TREES SCHEDULED FOR PRESERVATION MUST BE DOCUMENTED BY CONTRACTOR DURING PROGRESS OF CONSTRUCTION. INFORMATION DOCUMENTED BY CONTRACTOR TO BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR RECONCILIATION AT END OF PROJECT AS COORDINATION FOR APPROVAL OF CITY ARBORIST AND CERTIFICATE OF OCCUPANCY PROCESS.
- PRIOR TO SITE CLEARING OPERATIONS PROCESS IS:
 - LAYOUT PARKING LOT AND BUILDING FOOTPRINT.
 - INSTALL TREE PROTECTIVE BARRICADE FENCING. TREES NOT ABLE TO BE FENCED OFF DUE TO WORK CLEARANCE NEEDED ARE TO BE PROTECTED WITH TREE ARMOR.
 - OBTAIN APPROVAL FROM TREE INSPECTOR.
 - PERFORM SITE CLEARING.
 - PLACE MULCH OVER ALL DISTURBED AREA & AS DIRECTED BENEATH ALL REMAINING TREE CANOPIES
- ALL EXISTING TREES ARE TO REMAIN UNLESS INDICATED OTHERWISE. TREES SHALL BE REMOVED ONLY UNDER THE FOLLOWING CONDITIONS:
 - TREE IS INDICATED TO BE REMOVED- SEE LEGEND.
 - CUT/ILL GREATER THAN FOUR (4") EXCEEDS 50% OF THE ROOT PROTECTION (RPZ).
 - RPZ IS DEFINED AS A DISTANCE FROM TRUNK TO 12" FOR EACH CALIPER INCH (DBH) OF TRUNK. DBH IS DEFINED AS A DIAMETER OF TRUNK AT BREAST HEIGHT.
 - CONSTRUCTION OF A BUILDING OR OTHER IMPROVEMENT(S) REQUIRES THE REMOVAL OF MORE THAN 30% OF THE VIABLE PORTION OF THE TREE CROWN.
- ALL TREES TO REMAIN ON SITE REQUIRE PROTECTIVE FENCING OR ARMOR PROTECTION, MULCHING, PRUNING, WATERING, AND FERTILIZATION AS DIRECTED BY A QUALIFIED ARBORIST. REPORT ANY CONFLICTS WITH CIVIL DEMOLITION PLAN, PROPOSED GRADING PLAN & EXTERIOR SITE PLAN TO LANDSCAPE ARCHITECT FOR RESOLUTION.
- BARRICADE FENCE TO BE STAKED IN FIELD BY CONTRACTOR'S REPRESENTATIVE, BEFORE ANY CONSTRUCTION RELATED ACTIVITY BEGINS, ON ALL TREES WITHIN 100' OF ANY CONSTRUCTION. REFER TO DTL. 1/TP-101.
- INSTALL BARRICADE FENCE DIRECTLY BELOW DRIPLINE OF TREE AT A MINIMUM AS INDICATED IN DTL. 1/TP-101. IN CONDITIONS WHERE CONSTRUCTION INTRUDES WITHIN DRIPLINE OF TREE, PLACE FENCE AT DISTANCE OF TREE RPZ MINIMUM.
- ALL WOODY MATERIAL TO BE REMOVED SHALL BE CHIPPED INTO MULCH AND UTILIZED ON SITE. SUBSEQUENT MULCH MATERIAL IS TO BE PLACED ON SITE WITHIN AREAS DISTURBED ALONG UTILITY CORRIDORS. REFER TO NOTE 13 BELOW AND ON SITE WITHIN RPZS AT TREES ADJACENT TO CONSTRUCTION IN NATURAL AREAS. MATERIAL NOT USED ON SITE IS TO BE REMOVED AND PROPERLY DISPOSED OF BY CONTRACTOR. IF MATERIAL OBTAINED FROM SITE DOES NOT PROVIDE AN ADEQUATE QUANTITY OF MULCH, CONTRACTOR TO PROVIDE THE QUANTITY OF SUPPLEMENTAL MULCH REQUIRED TO ACCOMPLISH INTENT OF PLANS.
- CONSTRUCTION ENVELOPE AT UTILITY CORRIDORS SHALL BE MAINTAINED WHICH CAN BE COMPLETELY DISTURBED BY INSTALLATION OF UTILITIES ONLY. MAXIMUM WIDTH TO CONSTRUCTION ENVELOPE IS 12'-0" OVERALL FROM CENTERLINE OF UTILITY. ANY SIGNIFICANT OR HERITAGE TREES ENCOUNTERED ARE TO BE REVIEWED. ON AN INDIVIDUAL BASIS TO DETERMINE IF TREE MAY REMAIN WITHOUT MAJOR MODIFICATION TO IMPROVEMENTS TO BE CONSTRUCTED. REFER TO CIVIL, ARCHITECTURAL, AND MEP PLANS FOR ALL WORK RELATING TO UTILITY CORRIDORS.
- SITE LAYOUT OF MAJOR IMPROVEMENTS (BUILDING, PARKING LOT, DETENTION POND, AND PLAYGROUND) IS TO BE COMPLETED BEFORE ANY DEMOLITION OF EXISTING TREES OR VEGETATION IS STARTED. SELECTIVELY CLEAR & REMOVE UNDERBRUSH PER APPROVAL OF OWNER & LANDSCAPE ARCHITECT TO PROVIDE VISUAL CLEARANCE FOR SECURITY AND SAFETY CONCERNS ESTABLISHED PER LINE OF SIGHT OF A PERSON 6'-0" MIN. IN HEIGHT. WORK IS TO BE ACCOMPLISHED BY HAND WITH MACHINERY AND TOOLS WHICH WILL NOT DISTURB VEGETATION TO REMAIN. VEGETATION TO BE REMOVED IS TO BE CUT OFF FLUSH WITH GRADE. IMMEDIATELY AFTER CUTTING, PILE REMAINING STUMP TO SOAK WITH APPROPRIATE POST EMERGENT HERBICIDE. AVOID PILING HERBICIDE ON PLANTS TO REMAIN. LIMIT OF MULCHING, SEEDING & SODDING OF DISTURBED AREAS WILL BE ADJUSTED AS REQUIRED PENDING FIELD CONDITIONS. UNDERBRUSH INCLUDES REMOVAL OF ALL DEAD WOOD, STUMPS & UNDESIRABLE VEGETATION. VEGETATION TYPES INCLUDE GREENBRIAR VINE AND OTHER PLANT MATERIAL AS DIRECTED. DESIRABLE PLANT MATERIAL TO REMAIN INCLUDES: PRICKLY PEAR, AGAVE, YUCCA, CORDALIA, MOUNTAIN LAUREL, PERSIMMON, ELBOW BUSH, BUMELIA, AND OTHERS AS TO BE CONFIRMED WITH LANDSCAPE ARCHITECT. REMOVE ALL ASHE, JUNIPER LESS THAN 6" CALIPER IN SIZE (TYPICALLY W/O SURVEYOR TAGGING). ALL REMAINING JUNIPER TO BE PRUNED TO TREE FORM. NEW PLANTINGS TO BE COORDINATED WITH CLEARINGS RESULTING FROM CLEARING OPERATIONS.
- CONTRACTOR TO COORDINATE REVIEW WITH AND OBTAIN APPROVAL OF TREE PROTECTION BY COSA TREE INSPECTOR, ENVIRONMENTAL REVIEW DEPT. PRIOR TO INITIATING ANY WORK ON PROJECT.
- THE RPZ & AREA TO DRIPLINE SHALL BE COVERED WITH 6" LAYER OF COARSE MULCH FOR MOISTURE CONSERVATION & PROTECTION AGAINST COMPACTION. KEEP MULCH OFF ROOT FLARES AT BASE OF TRUNK (12" MIN.).
 - AT BARRICADE CONDITION - PLACE MULCH TO 6" DEPTH WITHIN FENCING WHEN BARE GRADE (NO SURFACE VEGETATION) AND TO 6" DEPTH OUTSIDE OF FENCING CONFORMING WITH LIMITS OF DRIPLINE.
 - AT ARMOR CONDITION - PLACE MULCH TO 6" DEPTH OVER ENTIRE AREA TO CONFORM WITH LIMITS OF DRIPLINE.
- PRESERVED TREES SHALL BE PROTECTED UNTIL SUCH TIME AS THE CONCRETE WORK CAN BE STAKED TO DETERMINE ITS DISTANCE FROM TREE TRUNK. (IF FOUND THAT THE CONCRETE WORK WILL BE CLOSER THAN 5', THE CONTRACTOR WILL MEET WITH REPRESENTATIVES OF THE ENVIRONMENTAL REVIEW DEPARTMENT TO MINIMIZE IMPACT.)
- NO GRADING GREATER OR LESS THAN 3" IN PROTECTED TREES RPZ. NO TRENCHING IN PROTECTED TREES RPZ EXCEPT BY HAND WITH CLEAN CUTTING ROOTS LARGER THAN 2" IN DIAMETER.
- REFER TO TREE MITIGATION SCHEDULE ON SHEET TP-100 FOR MITIGATION SEQUENCING OF PHASES OF PROJECT.
- PRE-MEETINGS - PRIOR TO THE COMMENCEMENT OF ANY ACTIVITIES REQUIRING A TREE PERMIT, THE APPLICANT SHALL REQUEST A PRE-CONSTRUCTION CONFERENCE WITH THE CITY ARBORIST.
- AMENDMENTS - APPROVAL OF THE CHANGES MUST BE RECEIVED FROM THE CITY ARBORIST, IN WRITING, BEFORE COMMENCEMENT OF ANY WORK THAT IS THE SUBJECT OF THE CHANGE OR FIELD ADJUSTMENT.
- GENERALLY, IT IS THE APPLICANT'S RESPONSIBILITY TO ENSURE THAT ALL PARTS OF THE TREE PRESERVATION PLAN ARE TRANSFERRED TO EACH APPROPRIATE PERSON CONCERNED WITH THE DEVELOPMENT PROJECT.

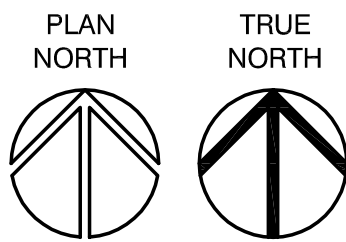
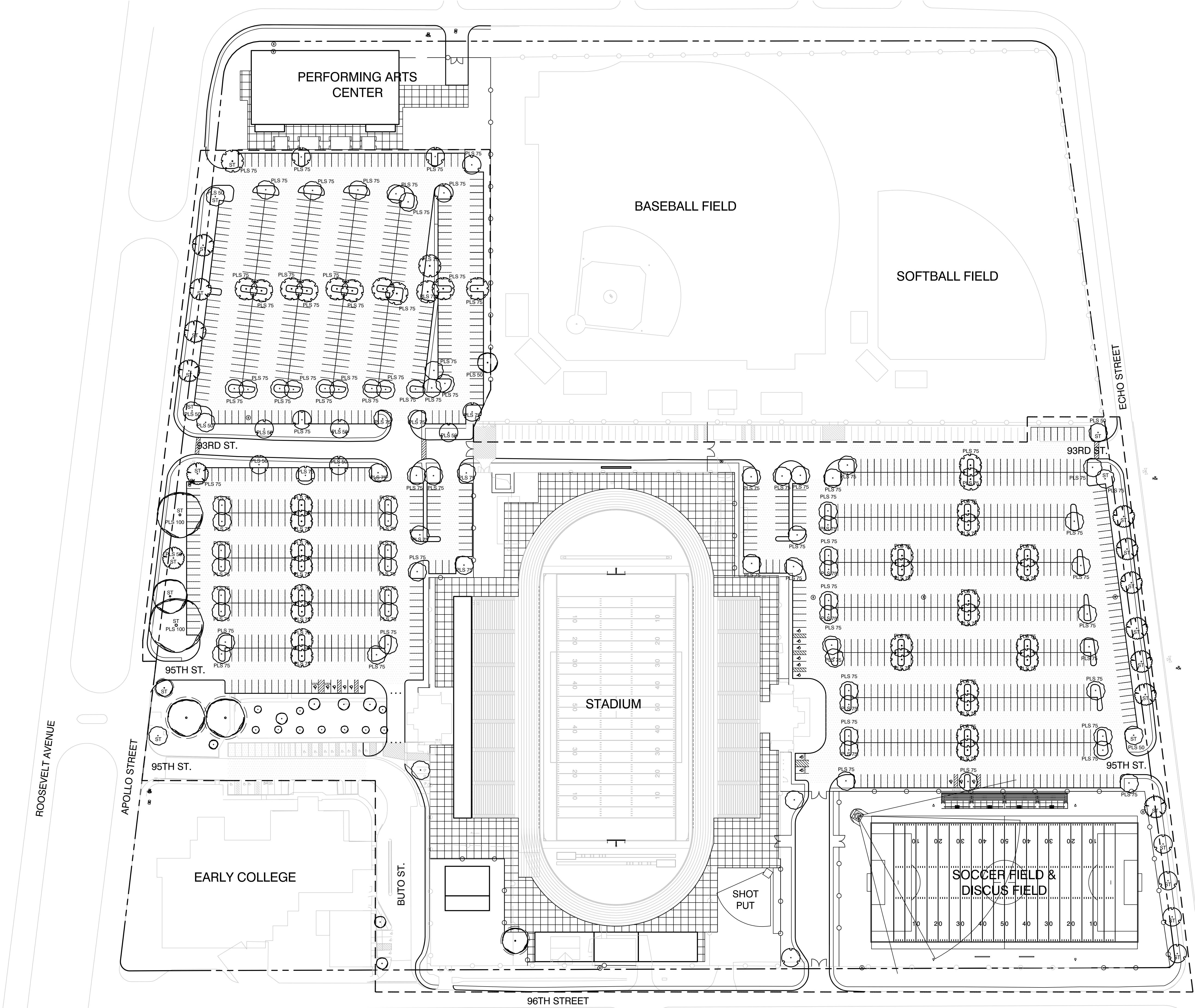


CITY OF SAN ANTONIO - UDC V-3-35-511-e (05/06/2010) & UDC V-5-35-523 (05/06/2010)			2/22/2021 13:59
LANDSCAPE ORDINANCE			
TOTAL ELECTIVE POINTS NEEDED FOR COMPLIANCE		70 PTS	
TOTAL ELECTIVE POINTS ACHIEVED		65 PTS	
PRESERVATION OF EXISTING TREES			
UDC V-3-35-511-e-2	POSSIBLE POINTS	40 PTS	
	TOTAL EARNED POINTS	40 PTS	
SCREENING OF SURFACE PARKING			
UDC V-3-35-511-e-3	POSSIBLE POINTS	25 PTS	
	TOTAL EARNED POINTS	- PTS	
PARKING LOT SHADING			
UDC V-3-35-511-e-4	POSSIBLE POINTS	35 PTS	
	TOTAL EARNED POINTS	- PTS	
STREET TREES			
UDC V-3-35-511-e-5	POSSIBLE POINTS	25 PTS	
	TOTAL EARNED POINTS	25 PTS	
UNDERSTORY PRESERVATION			
UDC V-3-35-511-e-6	POSSIBLE POINTS	15 PTS	
	TOTAL EARNED POINTS	- PTS	
INRILL / RETROFIT			
UDC V-3-35-511-e-7	POSSIBLE POINTS	25 PTS	
	TOTAL EARNED POINTS	- PTS	
		65 PTS	
TREE PRESERVATION ORDINANCE			
REF. 1/TP-101	MITIGATION BALANCE	48 NEGATIVE REPRESENTS A SURPLUS	
REF. 2/TP-101	FINAL TREE CANOPY COVERAGE	20.9% 25% MIN	

CITY OF SAN ANTONIO - UDC V-3-35-511-e-7 (05/06/2010)			2/22/2021 13:59
Parking Lot Shading			
TOTAL PARKING LOT AREA		420,230 SF	
TOTAL CANOPY REQUIRED		105,050 SF	
NONRUS 25%			
SHADING MET WITH PRESERVED TREES - REFERENCE TP SERIES			
QTY.	SPACE VALUE	PERCENT	SOFT
-	1,200	100%	-
3	275	100%	2,625
-	450	100%	-
-	275	100%	-
3			
TOTAL PRESERVED CANOPY		2,625 SF	
TOTAL PRESERVED CANOPY		0.6%	
SHADING MET WITH PROPOSED TREE PLANTINGS - REFERENCE L SERIES			
QTY.	SPACE VALUE	PERCENT	SOFT
1	1,200	75%	900
121	875	75%	79,425
-	550	75%	-
-	275	75%	-
1	1,200	50%	600
10	275	50%	4,375
-	450	50%	-
-	275	50%	-
133			
TOTAL PROPOSED CANOPY		85,281 SF	
TOTAL PROPOSED CANOPY		20.3%	
FINAL TREE CANOPY COVER		87,906 SF	
FINAL TREE CANOPY COVER		20.9%	

CITY OF SAN ANTONIO - UDC V-5-35-511-e-2 (05/06/2010)			2/22/2021 9:31
Street Yard Preservation			
PRESERVATION WITHIN STREETYARD			
QTY.	POINT VALUE	POINTS	SPECIES
5	8	40	OAK
1	6	6	CEDAR ELM
4	4	16	OAK
11	3	33	OAK
21		95	
POINTS 62.5 HALF CREDIT OVER 30 PTS			
PRESERVATION OUTSIDE STREETYARD			
QTY.	POINT VALUE	POINTS	SPECIES
-	4	-	-
-	6	-	-
-	4	-	-
-	4	-	-
-	4	-	-
POINTS 0 15 PTS MAX			
TOTAL POINTS 40 40 PTS MAX			

CITY OF SAN ANTONIO - UDC V-3-35-511-e-5 (05/06/2010)			2/22/2021 13:00
Street Trees			
TOTAL FRONTAGE OF STREET (FEET) 1445			
TREES REQUIRED (1 TREE PER 50 LF) 29			
TREES PROVIDED 28			
PRESERVED TREES			
QTY.	SPECIES	TAG #	
3	OAK	3236, 3238, 7769	
1	LIGUSTRUM	7576	
PROPOSED TREES			
QTY.	SPECIES	NOTES	
12	MEXICAN SYCAMORE		
7	LIVE OAK		
5	CEDAR ELM		
1	CHINKAPIN OAK		
28			
TOTAL POINTS			25



1 OVERALL SITE PLAN
TREE PLAN
1" = 60'-0"

LEGEND

- EXISTING TREES TO BE PRESERVED
- PARKING LOT SHADING AREA

PLANT SCHEDULE

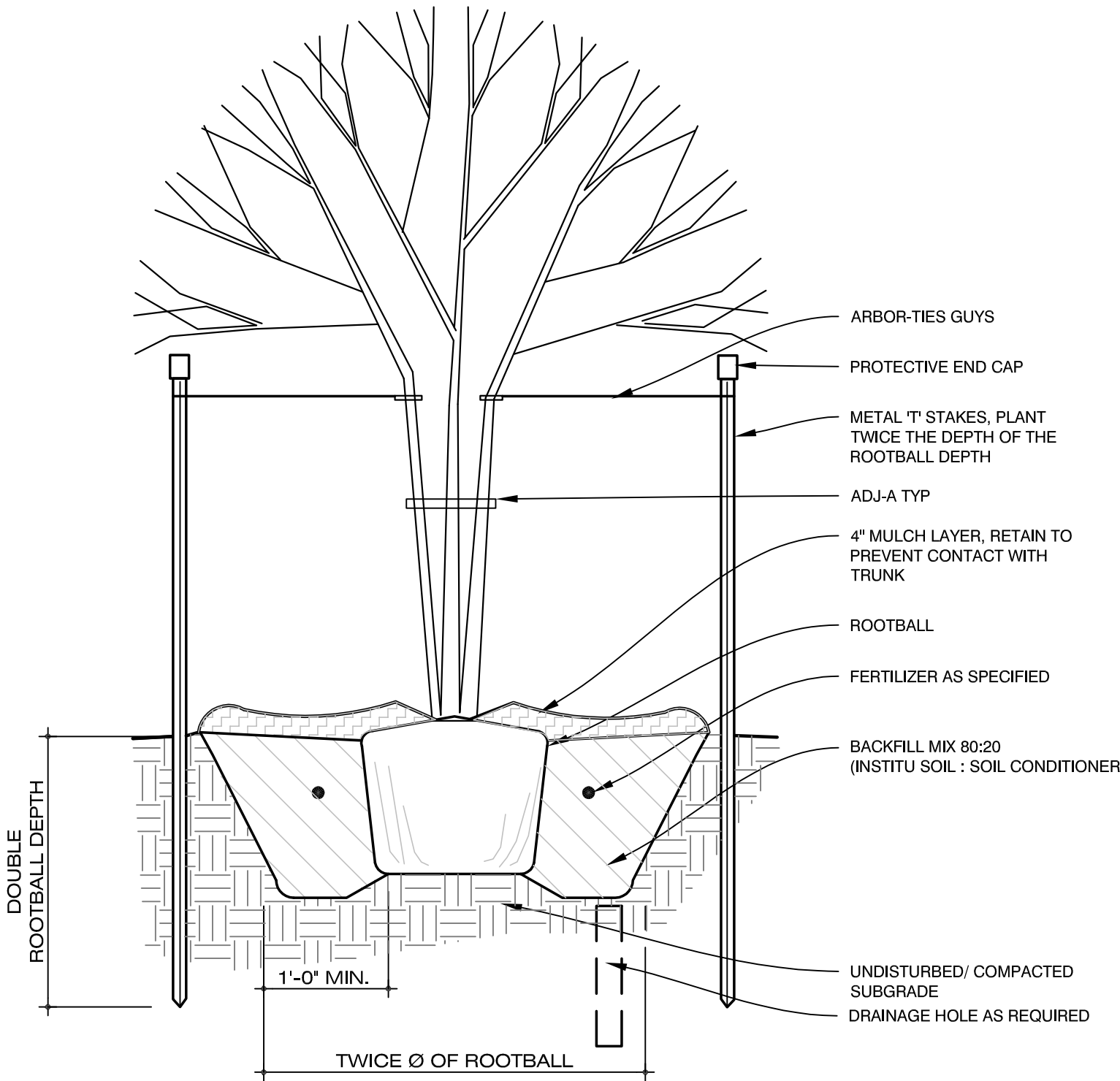
TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	H X S	CONDITION
PM	13		PLATANUS MEXICANA / MEXICAN SYCAMORE	2" CAL		B&B
QM	39		QUERCUS MUEHLENBERGII / CHINKAPIN OAK	2" CAL		B&B
CANOPY TREES	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	H X S	CONDITION
QV	82		QUERCUS VIRGINIANA / SOUTHERN LIVE OAK	2" CAL	10' X 5'	EVERGREEN
UC	17		ULMUS CRASSIFOLIA / CEDAR ELM	2" CAL	25-35' X 25-35'	DECIDUOUS

IRRIGATION NOTES

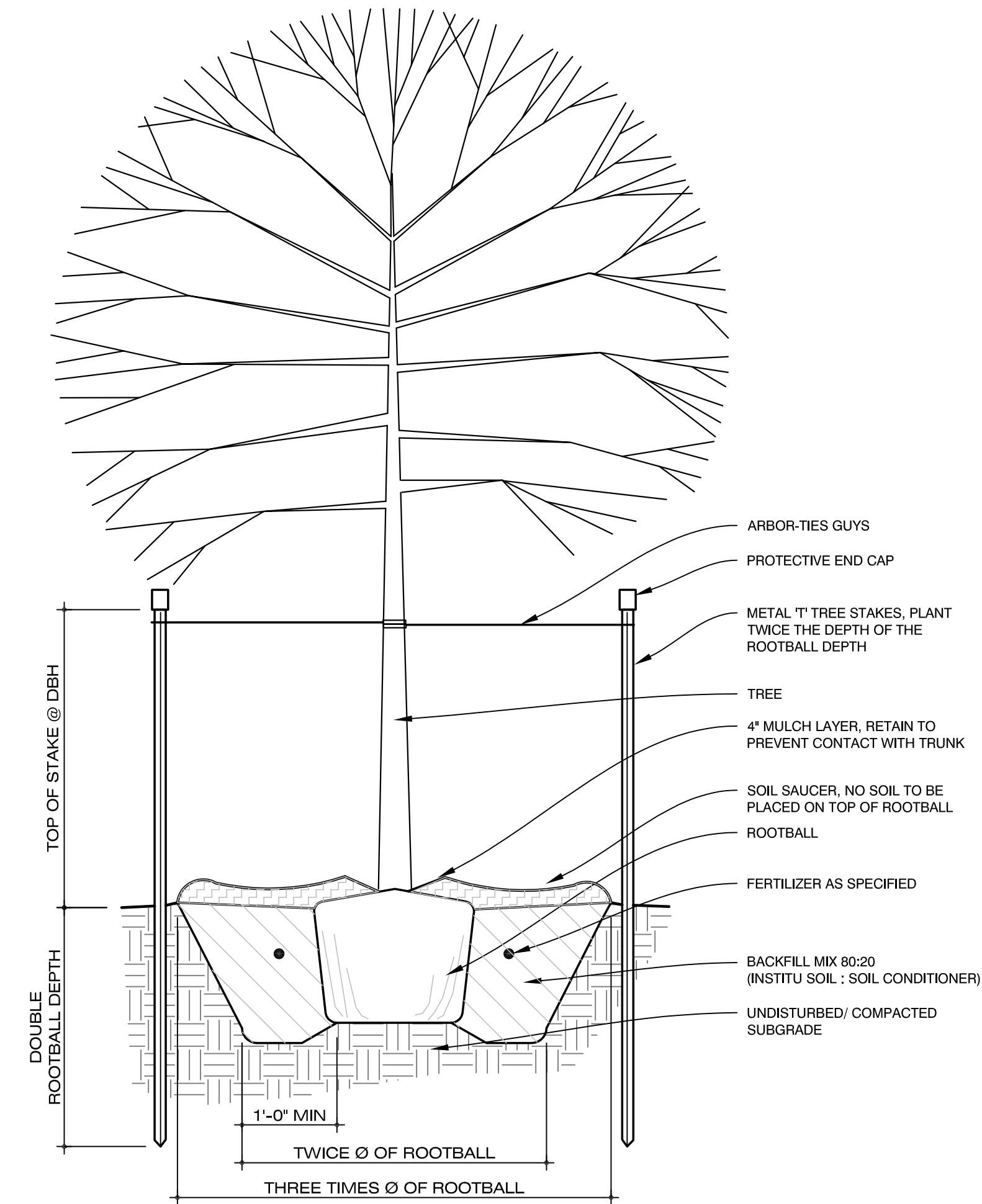
- The installation of the landscape irrigation system is to be implemented through the design/build delivery approach with review and approval of the irrigation system design documentation by the Landscape Architect and Owner's Representative.
- The Contractor is responsible for the irrigation design.
- The Contractor is responsible for coordination of any plan review and permitting requirements associated with the irrigation design.
- The irrigation plan, when complete shall conform to the design parameters of the irrigation design standards set out in Chapter 344, Subchapter D, Rule 344.40, Subchapter F, Rule 344.60, 344.61 and 344.62 of the Texas Administrative Code and 35-510(j) and 35-511(c)(6) of the City of San Antonio Unified Development Code.
- The irrigation design and installation shall provide coverage in the areas indicated.
- Provide pop-up spray and/or rotary sprinkler heads as required to provide full and complete coverage of turf areas.
- Provide subsurface drip as required to provide full and complete coverage of planting beds.
- Provide tree bubblers at each new tree. A tree layout containing multiple rings of subsurface drip tubing may be utilized in lieu of tree bubblers.
- The irrigation contractor shall be responsible for making himself familiar with the specifications and all submittal requirements.
- All irrigation work shall be under the supervision of a Texas licensed Irrigator.
- The irrigation contractor shall be responsible for any coordination with other contractors as required to accomplish irrigation installation.
- It is the irrigation contractor's responsibility to coordinate piping with the landscape subcontractor to avoid conflict with trees and planting beds.
- Irrigation contractor shall be responsible for sleeves and chases wherever piping or conduit passes, under all paving, through walls, etc. Coordinate with architectural and civil drawings, general contractor and other subcontractors as required.
- All sleeves shall be Schedule 40 PVC sized a minimum twice the diameter of pipe or combination of pipes enclosed within the sleeve.
- Provide a separate 2" Schedule 40 PVC sleeve where field wiring passes under paving.
- All spray heads and tree bubblers shall have flexible attachment via a 1/2" swing joint; unitized, factory assembled, constructed of polyethylene tubing.
- All rotary heads shall have flexible attachment via a swing joint; unitized, factory assembled, constructed of polyethylene tubing. Size swing joint to head inlet.
- All spray heads and tree bubblers shall have factory installed check valves.
- Refer to civil drawings for grading plan.
- Refer to landscape drawings for planting plan.

NOTES (Keyed on Plan)

- THE PROJECT MANUAL IS A LEGAL PART OF THE SET OF CONSTRUCTION DRAWINGS AND AS SUCH SHALL BE PRESENT WITH THE SET OF CONSTRUCTION DRAWINGS ON THE SITE AT ALL TIMES.
- PLANTING DETAILS:** REFER TO SHEET L-10 FOR LANDSCAPE PLANTING RELATED DETAILS.
- STAKING OF ALL TREES & PLANTING BEDS TO BE APPROVED BY LANDSCAPE ARCHITECT BEFORE PLANTING.
- PLANT SCHEDULE:** REFER TO SHEET L-10 FOR PLANT SCHEDULE.
- CONTRACTOR TO CONFIRM LOCATIONS OF TREES AT CORNERS OF INTERSECTIONS OF STREET(S) & CAMPUS DRIVE(S) ARE PLACED OUTSIDE OF CLEAR VISION AREA AS DERIVED BY CITY OF HELOTES TRAFFIC ENGINEERING DEPT.
- ALL AREAS NOT IRRIGATED WITH THE AUTOMATIC IRRIGATION SYSTEM ARE TO BE WATERED BY CONTRACTOR WITH TEMPORARY IRRIGATION FOR ESTABLISHMENT THROUGH FINAL ACCEPTANCE OF TURF AREAS.
- ALL NEW TREES LOCATED ALONG EDGES OF PAVING (CONCRETE WALKS AND ASPHALT PAVING/ CONCRETE CURB) ARE TO BE SET A MINIMUM OF 5'-0" FROM EDGE OF PAVING TO CENTER OF TREE TRUNK; UNLESS OTHERWISE NOTED.
- SLOPES IN SEEDED AREAS WITH INCLINE BETWEEN 4:1 AND 3:1 ARE TO BE STABILIZED WITH EROSION CONTROL BLANKET OR SOIL STABILIZER PRODUCT/FLEXIBLE GROWTH MEDIUM. LOCATIONS SHALL BE CONFIRMED BY CONTRACTOR IN FIELD.
- ALL SLOPES 3:1 AND STEEPER ARE TO BE STABILIZED WITH SOLID SOD SECURED TO SLOPE WITH WOOD STAKES OR BIODEGRADABLE PINS. LOCATIONS SHALL BE CONFIRMED BY CONTRACTOR IN FIELD.
- SOD INSTALLATION TO EXTEND 10'-0" BEYOND TOP OF SLOPE.
- SLOPED HYDROMULCH SEEDING TO EXTEND 10'-0" BEYOND TOP OF SLOPE.
- CONTRACTOR TO VERIFY ALL EXISTING SITE CONDITIONS. CONTRACTOR TO VERIFY ALL PLANT AND MATERIAL QUANTITIES; QUANTITIES LISTED IN THE PLANT SCHEDULE AND MATERIALS SCHEDULE ARE TO BE USED AS A GUIDE ONLY.



2 SMALL TREE PLANTING



3 LARGE TREE PLANTING

project no. 19226-A

Registered Landscape Architect
Kimberley M. Wolf
1005

PRELIMINARY
This design document is incomplete and may not be used for regulatory approval, permitting, or construction.

date 02/22/2021

Harlandale ISD

Harlandale Memorial Stadium
1109-1101 Apollo St.
San Antonio, Texas

revisions:

RVK
ARCHITECTURE

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san antonio texas 78212
telephone: 210.733.3535
web: www.rvk-architects.com

schematic design

L-101

PLANTING DETAILS