PFLUGERVILLE I.S.D.

CELE MS SAFE ROUTES TO SCHOOL

6000 Cele Road Pflugerville, Texas 78660

PREPARED FOR
PFLUGERVILLE INDEPENDENT SCHOOL DISTRICT

ZONING AND USE

SITE ZONED A
CURRENT USE: MIDDLE SCHOOL
PROPOSED USE: MIDDLE SCHOOL

UTILITY PROVIDERS

GAS:	ATMOS GAS CHRIS LEBLANC 3110 N. 1-35 ROUND ROCK, TX 78681 512-310-3801
WATER:	MANVILLE WSC 13805 SOUTH SH 95 COUPLAND, TX 78615
WASTEWATER:	CITY OF PFLUGERVILLE PO BOX 589 PFLUGERVILLE, TX 78691-0589
ELECTRICITY:	ONCOR PAUL LEMONS 350 TEXAS AVE. ROUND ROCK, TX 78664 512-244-5693
TELEPHONE:	AT&T-TEXAS NORTH ENGINEERING MARK DAVIS 11220 JOSEPH CLAYTON, FLOOR 1 AUSTIN, TX 78753 512-870-4760

PROJECT NARRATIVE
SCOPE OF WORK: addition of sidewalk to tie in to neighboring properties
NO BUILDINGS ARE PROPOSED

LEGAL DESCRIPTION:

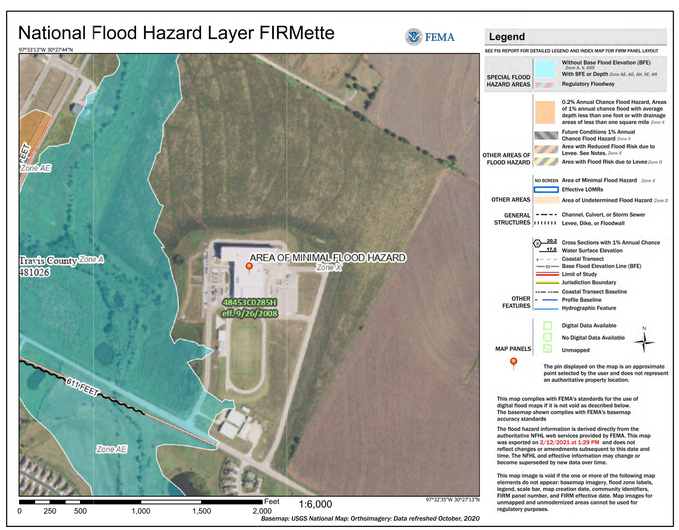
A 135.31 ACRE TRACT OF LAND, OUT OF THE JAMES P. KEMPE SURVEY NO. 12, ABSTRACT NO. 462, IN TRAVIS COUNTY, TEXAS, BEING THE REMAINDER OF A 151.08 ACRE TRACT CONVEYED TO CALVIN AND VERA LEE HAMANN DESCRIBED IN VOLUME 1780 PAGE 239 DEED RECORDS OF TRAVIS COUNTY, TEXAS

COVER SHEET NOTES

1. Water shall be provided by Manville WSC and wastewater shall be provided by the City of Pflugerville. No lot in this subdivision shall be occupied until connected to water and wastewater facilities.
2. The FEMA 1% and 0.2% annual change floodplains are contained to the furthest extent within the drainage easement as shown hereon. A portion of this tract is within the designated flood hazard area as shown on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) #48453C0285H, Travis County, Texas, dated 9/26/2008, Community # 481026.
   Minimum finished floor elevation for all affected structures shall be two (2) feet above the elevation of the Atlas 14 1% and 0.2% floodplains as shown hereon: 615.14' M.S.L.
3. These plans are in accordance with the following studies/ reports:
   Engineer's summary letter Prepared by Victor Gil dated July 30, 2021
   No TIA was prepared for this project.
4. The City of Pflugerville has not reviewed these plans for compliance with the American With Disabilities Act. All Sidewalks shall comply with the Americans with Disabilities act. It is the responsibility of the owner to provide compliance with all legislation related to accessibility within the limits of construction shown in these plans.
5. This site plan has been submitted to the Texas Department of licensing and Regulation for reviewv of compliance with the Architectural Barriers Act. The reference #TABS2021012080 is proof of submittal to TDLR.
6. No equipment, materials, and/or spoils shall be stored overnight within the FEMA 100-yr Floodplain, the creek, and the CWQZ.
7. The applicant/owner must coordinate with utility companies prior to construction.
8. Contractor shall coordinate continuously and as necessary with property/business owners to maintain continuation of traffic control and access.
9. Be informed that the contractor must obtain a separate permit to work within the County ROW.

1. All new electric utility infrastructure including but not limited to telephone, cable television, electric utility lateral and service lines shall be installed in accordance with the City of Pflugerville Engineering Design Manual.
2. All mechanical equipment shall be screened in accordance with Subchapter 11, Section 11.8.2 of the Unified Development Code.

Roadside requirements - Travis County Chapter 482 requires compliance with the AASHTO Roadside Design Guide Clear Zone. Travis County may permit the use of municipal procedures within the ETJ when they meet or exceed AASHTO standard guidance "A Policy On Geometric Design of Highways and Streets. No above grade appurtenances are allowed within 18 inches of the face of the curb. The only items allowed inside the clear zone are those with crash-worthy mounts or crash-worthy wood utility poles. All other items are to be completely outside of the clear zone.



THIS SITE IS LOCATED WITHIN ZONE AE FLOOD HAZARD AREA AS SHOWN ON THE FEMA FIRM NO. 48453C0285H CITY OF PFLUGERVILLE, TRAVIS COUNTY, TEXAS EFFECTIVE DATE SEPTEMBER 26, 2008.

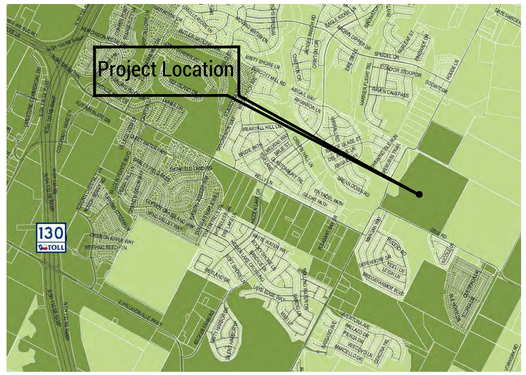
This project will be constructed in accordance with the 2015 edition of the International Building and Fire Code as amended by the City of Pflugerville in accordance with Chapter 150 of the Code of Ordinances and Travis County Emergency Services District 2.

INDEX OF DRAWINGS

Sheet	Sheet Title
.	Title Sheet
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7	South Site Plan
8	Southeast Site Plan
9	Northwest Site Plan
10	Northeast Site Plan
11	To North Property Site Plan
12	Existing Drainage Area Map
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15	Southwest Sidewalk Layout Plan
16	Northwest Sidewalk Layout Plan
17	Northeast Sidewalk Layout Plan
18	Norh Sidewalk Layout Plan
19	North to Property Line Sidewalk Layout Plan
20	South Sidewalk Grading Plan
21	North Sidewalk Grading Plan
22	Detail Sheet
23	Photometric Plan
24	Emergency Access Plan

THIS SITE IS NOT LOCATED ON THE EDWARDS AQUIFER RECHARGE OR TRANSITION ZONES ACCORDING TO TCEQ MAP AND IS NOT LOCATED OVER THE EDWARDS AQUIFER ACCORDING TO CITY OF AUSTIN MAPS.

LOCATED IN WILLBARGER CREEK WATERSHED



LOCATION MAP
NOT TO SCALE

IMPERVIOUS COVER												
DESCRIPTION	EXISTING IMPERVIOUS COVER			REMOVED IMPERVIOUS COVER			PROPOSED IMPERVIOUS COVER			TOTAL NET IMPERVIOUS COVER		
	SQ.FT	ACRES	% OF SITE	SQ.FT	ACRES	% OF SITE	SQ.FT	ACRES	% OF SITE	SQ.FT	ACRES	% OF SITE
BUILDINGS	96256	2.21	1.63%	0	0.00	0.00%	0	0.00	0.00%	96256	2.21	1.63%
CONCRETE	153867	3.53	2.61%	613	0.01	0.01%	41102	0.94	0.70%	194356	4.46	3.30%
ASPHALT	206831	4.75	3.51%	0	0.00	0.00%	0	0.00	0.00%	206831	4.75	3.51%
TOTALS	456954	10.49	7.75%	613	0.01	0.01%	41102	0.94	0.70%	497443	11.42	8.44%
SITE	5,894,103.60	135.31	100.00%									

REVISION BLOCK

No.	Description	Revise (R) Add (A) Void (V) Sheet No.'s	Net Change Imp. Cover (sq. ft./%)	Total Imp. Cover (sq. ft./%)	Design Engineer Signature	City of Pflugerville Approval	Approval Date

Ms. Renae Mitchell, Place 3 - President
Mr. Tony Hanson, Place 2 - Vice President
David Aguirre, Place 1- Secretary
Ms. Vernagene Mott, Place 4
Ms. Kelly Daniel, Place 5
Ms. Jean Mayer, Place 6
Ms. Chevonne Lorigo-Johst, Place 7

Site Plan Number: SP2024-000126 Site Plan Submittal Date: 3-15-2024

This site development plan has been reviewed and approved by the City of Pflugerville. All construction on the subject site must be constructed consistent with these plans.

_____ Date
Director of Planning and Development Services, City of Pflugerville

_____ Date
Development Services Engineering, City of Pflugerville

All responsibility for the adequacy of these plans remains with the engineer who prepared them. In accepting these plans, the City of Pflugerville must rely upon the adequacy of the work of the design engineer.

Civil Engineer:
Gil Engineering Associates Inc.
504 East Braker Lane Austin,
Texas 78752
Phone: (512) 835-4203
Fax: (512) 835-4407

Utility Provider:
City of Pflugerville
100 East Main Street, Suite 100
Pflugerville, TX 78660 Phone:
(512) 990-6101

Surveyor:
Gil Engineering Associates Inc.
504 East Braker Lane Austin,
Texas 78752
Phone: (512) 835-4203
Fax: (512) 835-4407

Property Owner:
Pflugerville ISD
1401 W. Pecan St.
Pflugerville, TX 78660
Phone: (512) 594-0000

City of Pflugerville contact information:
Development Services Department
100 W. Main Street, Pflugerville, TX 78660
Phone: (512) 990-6300

GIL ENGINEERING
CONSULTING ENGINEERS - PLANNERS - SURVEYORS - DESIGNERS
504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Surveying Firm 10022600
Texas Registered Engineering Firm F-1186

PROJECT TITLE: PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:TITLE SHEET

DRAWN:

DATE:----

STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER
3.12.24

REVISIONS:
--

SHEET NUMBER
1

City of Pflugerville General Construction Notes

Effective October 18, 2016

1. All construction shall be in accordance with the City of Pflugerville Standard Specifications.
2. All responsibility for the adequacy of these plans remains with the Engineer who prepared them. In reviewing these plans, the City of Pflugerville must rely on the adequacy of the work of the design engineer.
3. Design procedures shall be in compliance with the City of Pflugerville Engineering Design Guidelines and Unified Development Code. All waivers or variances are listed below:
4. After the construction permit has been issued and prior to beginning construction, the owner or his representative shall schedule a pre-construction conference between the City of Pflugerville, Design Engineer, Contractor(s), Travis County(if in the ETJ), other utility companies, and any other affected parties. The City of Pflugerville shall be contacted to set up the meeting at least 3 business days prior to the proposed meeting time (512-990-6300) and after receiving both the required number of signed plans and the SWP3.
5. The contractor shall give the City of Pflugerville construction inspector at least 48 hours notice before beginning each phase of construction.
6. Any changes or revisions to these approved plans must be submitted by the design engineer and approved by the City of Pflugerville prior to construction of the revision.
7. Any existing utilities, pavement, curbs, sidewalks, structures, trees, etc., not planned for destruction or removal or other public infrastructure damaged or removed will be by the contractor at his expense before acceptance of the subdivision.
8. Benchmarks (two required): [list]
   NO. 1 " REBAR WITH A RED CAP STAMPED "PANEL POINT"
   N 10140877.40 E 3171982.83 ELEV. 615.48
   NO. 7 1/2" REBAR WITH A RED CAP STAMPED "PANEL POINT"
   N 10140885.43 E 3172083.36 ELEV. 614.91
9. Blasting or burning shall not be permitted on this project.
10. The contractor shall verify all depths and locations of existing utilities prior to beginning construction. Any discrepancies with the construction plans found in the field shall be brought to the attention of the design engineer immediately. The design engineer shall be responsible for revising the plans as appropriate and submitting a revision to the City. Use One call utility System: Dial 1-800-344-8377, 48 hours BEFORE you dig. For City of Pflugerville water and wastewater utility locates, call 512-990-6400.

~~11. The subgrade material in [name of subdivision] was tested by [name of professional soil lab] on [date] and the street section designed in accordance with generally accepted criteria. The street sections are to be constructed as follows:~~
~~Street ROW Base Thickness Asphalt Thickness~~
~~(list all streets)~~

~~The Geotechnical Engineer shall inspect the subgrade for compliance with the design assumptions made during preparation of the Soils Report. Any adjustments that are required shall be made through revision of the construction plans. 3. Manhole frames, covers, valves, cleanouts, etc. shall be raised to finished grade prior to final paving.~~

12. Prior to final acceptance of a street outside the City limits, street name signs conforming to the Texas Manual on Uniform Traffic Control Devices standards shall be installed by the developer.
13. The City of Pflugerville has not reviewed these plans for compliance with the Americans With Disabilities Act. All sidewalks shall comply with the Americans With Disabilities Act. It is the responsibility of the owner to provide compliance with all legislation related to accessibility within the limits of construction shown in these plans.
14. Excess soil shall be removed at the contractor's expense. Notify the City of Pflugerville if the disposal site is inside the City's jurisdictional boundaries.
15. All areas disturbed or exposed during construction shall be revegetated in accordance with the plans and specifications. Revegetation of all disturbed areas or exposed areas shall consist of sodding or seeding; at the Contractor's option.
16. It shall be the responsibility of the Contractor to inspect temporary erosion controls on a daily basis. Adjust the controls and/or remove any sediment buildup as necessary.
17. Contractor will be responsible for keeping roads and drives adjacent to and near the site free from soil, sediment and debris. Contractor will not remove soil, sediment or debris from any area or vehicle by means of water, only shoveling and sweeping will be allowed. Contractor will be responsible for dust control from the site.
18. Prior to any construction, the Contractor shall apply for and secure all proper permits from the appropriate authorities.
19. All wet utilities shall be installed and all densities must have passed inspections(s) prior to the installation of dry utilities.
20. A traffic control plan, in accordance with the Texas Manual of Uniform Traffic Control Devices, shall be submitted to the City for review and approval prior to any partial or complete roadway closures. Traffic Control plans shall be site specific and be sealed by a registered Texas professional Engineer.
21. Prior to subdivision construction acceptance, the engineer/developer-owner shall submit to the City of Pflugerville documentation that the subdivision was inspected by TDLR or a registered accessibility specialist (RAS) and the subdivision is in compliance with the requirements of the TABA.
22. An engineer's concurrence letter, record drawings (one 22" x 34" full size, two 11" x 17" half size and one digital copy in pdf format), warranty bond for 35% of the public improvements and final asphalt test report shall be submitted to the City of Pflugerville Engineering Department prior to issuance of a certificate of occupancy or subdivision acceptance.

City of Pflugerville Water and Wastewater Notes:

1. Pipe material for water mains shall be PVD (AWWA C-900, min class 150), or Ductile Iron (AWWA C-100, min 150). Water services (2" or less) shall be polyethylene tubing (200 psi, DR9).
2. Pipe material for pressure wastewater mains shall be PVC (AWWA C-900, min. class 150) or Ductile Iron (AWWA C-100, min. class 150). Pipe material for gravity wastewater mains shall be PVC (SDR 26). SDR-35 wastewater is not allowed in the right of way or public easement.
3. All wastewater main, excluding service lines, shall be mandrel tested per TCEQ (Texas Commission on Environmental Quality) criteria. A mandrel test will not be performed until backfill has been in place for a minimum 30 days.
4. Water lines shall have a minimum forty-eight 48 inches of cover measured from either the top of the pipe or valve actuating nut (whichever is applicable) to the finished ground surface. Wastewater lines shall have a minimum of 48 inches of cover below the actual subgrade. The separation between wastewater mains and other utilities shall be in accordance with the Rules adopted by the Texas Commission on Environmental Quality.
5. Where a water or wastewater line crosses below a storm sewer structure and the top of the pipe is within 18" of the bottom of the utility structure, the pipe shall be encased with concrete for a distance of at least 1' on either side of the ditch line of the utility structure or the storm sewer. Concrete encasement will not be required for ductile iron pipe with sizes larger than 12". Concrete encasement shall conform to the City of Pflugerville standard detail.
6. All manholes shall be concrete with cast iron ring and cover. All manholes located outside of the pavement shall be bolted covers. Tapping of fiberglass manholes shall not be allowed. All manholes shall be coated with 10 mil of Raven Lining System or approved equal.
7. All pipe bedding material shall conform to the City of Pflugerville Standard Detail.
8. All fire hydrant leads shall be ductile iron pipe (AWWA C-100, min. class 150).
9. All iron pipe and fittings shall be wrapped with a minimum 8-mil polyethylene film prior to placing concrete.
10. The Contractor shall contact the City Inspector to coordinate utility tie-ins and notify him at least 48 hours prior to connection to existing lines.
11. The Contractor, at his expense, shall perform quality testing for all wastewater pipe installed and pressure pipe hydrostatic testing of all water lines constructed and shall provide equipment included pumps, gauges, supplies, and labor necessary to perform the tests. Quality and pressure testing shall be monitored by City of Pflugerville personnel. Water samples will be collected by the City of Pflugerville to verify each treated line has attained an initial chlorine concentration of 50 ppm.
12. The Contractor shall coordinate testing with the City of Pflugerville and provide no less than 24 hours notice prior to performing sterilization, quality testing or pressure testing.
13. The Contractor shall not open or close any valves unless authorized by the City of Pflugerville.
14. All valve boxes and covers shall be cast iron.
15. A double check backflow device in a vault shall be installed adjacent the right of way or public easement on private property on all private fire lines.
16. All water service, wastewater service and valve locations shall be appropriately marked as follows:
    Water service "W" on top of curb
    Wastewater service "S" on top of curb
    Valve "V" on face of curb
17. The Contractor is hereby notified that connecting to, shutting down, or terminating existing utility lines may have to occur at off-peak hours. Such hours are usually outside normal working hours and possibly between 12 a.m. and 6 a.m.
18. All fire hydrants shall be National Standard Hose Thread.
19. All material tests, including soil density tests and related soil analysis, shall be accomplished by an independent laboratory funded by the developer in accordance with the specifications.

20. The City only provides up to a 2" displacement meter. Larger meters must be supplied by the Contractor and must include the Neptune E-Coder R900i reader system. Turbine meters shall not be used except for Neptune Protectus III or Neptune TruFlow. The low flow side of the Protectus III must be a T-10 positive displacement meter. For questions concerning meter selection, please contact the City's Development Engineering Department at 512-990-6300.

SEQUENCE OF CONSTRUCTION

1.INSTALL TEMPORARY EROSION CONTROLS AND TREE PROTECTION FENCING PRIOR TO ANY CLEARING OR GRUBBING. NOTIFY CITY CONSTRUCTION INSPECTION 24 HOURS PRIOR TO INSTALLATION.

2.PRIOR TO BEGINNING CONSTRUCTION, THE OWNER OR HIS REPRESENTATIVE SHALL SCHEDULE A PRE-CONSTRUCTION MEETING TO BE LOCATED AT THE CITY OF PFLUGERVILLE DEVELOPMENT SERVICES CENTER WITH THE CITY OF PFLUGERVILLE ENGINEERING DEPARTMENT(512-990-6300), CONTRACTOR, DESIGN ENGINEER, WATER AND WASTE WATER UTILITY PROVIDER(S) IF NOT CITY, ENVIRONMENTAL INSPECTOR, COUNTY REPRESENTATIVE (IF APPLICABLE), ETC. PRIOR TO BEGINNING CONSTRUCTION. AN ELECTRONIC COPY OF THE SWPPP MUST BE DELIVERED TO THE CITY STORM WATER SPECIALIST 24 HOURS IN ADVANCE TO PRE-CONSTRUCTION MEETING.

3.ROUGH-CUT ALL REQUIRED OR NECESSARY PONDS. EITHER THE PERMANENT OUTLET STRUCTURE OR TEMPORARY STRUCTURE MUST BE CONSTRUCTED PRIOR OF TO DEVELOPMENT OF ANY EMBANKMENT OR EXCAVATION THAT LEADS TO PONDING CONDITIONS. THE OUTLET SYSTEM SHALL BE PROTECTED FROM EROSION AND SHALL BE MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION UNTIL FINAL RESTORATION IS ACHIEVED.

4.DELIVER STORM SEWER CUT SHEETS TO THE CONSTRUCTION INSPECTION DIVISION.

5.BEGIN INSTALLATION OF UTILITY LINES. UPON COMPLETION, RESTORE AS MUCH DISTURBED AREA AS POSSIBLE, PARTICULARLY CHANNELS AND LARGE OPEN AREAS.

6.RE-GRADE SHEETS TO SUBGRADE.

7.ENSURE THAT ALL UNDERGROUND UTILITY CROSSINGS AND UTILITY INSTALLATION ARE COMPLETED. LAY FIRST COURSE BASE MATERIAL ON ALL STREETS.

8.INSTALL CURB AND GUTTER.

9.LAY FINAL BASE COURSE ON ALL SHEETS.

10.LAY ASPHALT.

11.COMPLETE ALL UNDERGROUND INSTALLATIONS WITHIN THE R.O.W.

12.COMPLETE FINAL GRADING OR RESTORATION OF DETENTION PONDS.

13.COMPLETE PERMANENT EROSION CONTROL AND RESTORATION OF SITE VEGETATION.

14.REMOVE AND DISPOSE OF TEMPORARY EROSION CONTROLS AFTER APPROVAL GIVEN BY CITY STORM WATER SPECIALIST, CITY DEVELOPMENT ENGINEER, OR CITY ENGINEERING INSPECTOR

15.COMPLETE ANY NECESSARY FINAL DRESS UP OF AREA DISTURBED BY ITEM

16.CONTRACTOR TO SCHEDULE FINAL WALK THROUGH WITH CITY DEVELOPMENT ENGINEER ONCE ENGINEERING INSPECTOR HAS CLEARED PROJECT.

City of Pflugerville
EROSION AND SEDIMENTATION CONTROL NOTES

1. EROSION CONTROL MEASURES, SITE WORK, AND RESTORATION WORK SHALL BE IN ACCORDANCE WITH THE CITY OF PFLUGERVILLE'S SUBDIVISION CODE AND CONSTRUCTION STANDARDS MANUAL, EXCEPT AS NOTED BELOW AND APPROVED BY CITY COUNCIL:
2. SLOPES SHALL BE SODDED OR SEEDED WITH THE APPROPRIATE GRASS, GRASS MIXTURES, OR GROUND COVER SUITABLE TO THE AREA AND SEASON TO WHICH THEY ARE APPLIED.
3. SILT FENCES, ROCK BERMS AND SIMILARLY RECOGNIZED TECHNIQUES AND MATERIALS SHALL BE EMPLOYED DURING CONSTRUCTION TO PREVENT POINT SOURCE SEDIMENTATION LOADING OF DOWNSTREAM FACILITIES. SUCH INSTALLATION SHALL BE REGULARLY INSPECTED BY THE CITY OF PFLUGERVILLE FOR EFFECTIVENESS. ADDITIONAL MEASURES MAY BE REQUIRED IF, IN THE OPINION OF THE CITY ENGINEER, THEY ARE WARRANTED.
4. ALL TEMPORARY EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL FINAL INSPECTION AND APPROVAL OF THE PROJECT BY THE ENGINEER.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN ALL TEMPORARY EROSION CONTROL STRUCTURES AND TO REMOVE EACH STRUCTURE AS APPROVED BY THE ENGINEER.

City of Pflugerville Street and Drainage Notes:

1. All testing shall be done by an independent laboratory at the expense of the Contractor or Owner. Any testing shall be paid for by the Contractor. A City inspector shall be present during all tests. Testing shall be coordinated with the City inspector and he shall be given a minimum of 24 hours notice prior to any testing.
2. All manhole lids shall be 32" or larger, unless expressly approved in writing by the City Engineer. All manhole lids shall read "City of Pflugerville".
3. Unless otherwise specified by the Engineer, all concrete is to be Class "A" (5 sack, 3000 psi ~ 28 days), and all reinforcing steel to be ASTM A615-60.
4. Where PI's are over 20, subgrades must be stabilized utilizing a method acceptable to the City Engineer. The Geotechnical Engineer shall recommend an appropriate subgrade stabilization if sulfates are determined to be present.
5. Barricades built to the Texas Manual on Uniform Traffic Control Devices standards shall be constructed on all dead-end streets and as necessary during construction to maintain job and public safety.
6. Traffic Control signs and pavement markings shall be in accordance with the Texas Manual on Uniform Traffic Control Devices and installed as directed by the City of Pflugerville prior to City acceptance of the subdivision.
7. Blue reflector markers shall be located on the centerline of the pavement across from all fire hydrants. Pavement markers at intersections shall be four-sided.
8. All storm sewer shall be class III RCP unless otherwise noted.
9. Projects using lime stabilization shall be required to place lime in slurry form.
10. Required Material Testing:

    Utility Testing Requirements

    Laboratory Testing of Soils
    - Moisture Density Relationship (Proctor) (City of Pflugerville Specifications G4.05(B) (TEX-114E))
    - Atterberg Limits (ASTM D4318)
    - Field Soil Gradations (City of Pflugerville Specifications G4.04(B)(1))

    Moisture Density Field Testing
    - Densities- Wet Utilities (City of Pflugerville Specification G4.05(B))
    - Densities- Dry Utilities (City of Pflugerville Specification G4.05(B))

    Concrete Testing
    - Concrete Cylinders (City of Pflugerville Specifications G4.04(C))

    Streets Testing Requirements

    Laboratory Testing of Soils
    - Moisture Density Relationship (Proctor) (City of Pflugerville Specifications SD3.06B (TEX-114E), SD4.04(b)(1) (TEX-113E))
    - Atterberg Limits (ASTM D4318)
    - Field Soil Gradations
    - Lime Series (City of Pflugerville Specifications SD2.03(C), SD3.06(B))
    - Sulfate Testing (City of Pflugerville Engineering Design Guidelines Section DG2.3D- Table 2.2)

    Moisture Density Field Testing
    - Lime Gradations (City of Pflugerville Specifications SD2.03(C), SD3.06(B))
    - Densities- Subgrade (City of Pflugerville Specification SD2.03(C), SD3.06(B))
    - Densities- Road Base (City of Pflugerville Specification SD4.06(B)(3)(a))

    Hot Mix Asphaltic Concrete Testing
    - Extractions/ Gradations (City of Pflugerville Specification SD1.08(E)(2))
    - Specific Gravity of Mix (City of Pflugerville Specification SD1.06(B), SD1.08(E)(2))
    - Hveem Stabilies (set of 3) (City of Pflugerville Specification SD1.08(E)(2))
    - Molding Specimen (set of 3) (City of Pflugerville Specification SD1.08(E)(2))
    - Cores for Density (City of Pflugerville Specification SD1.08(E)(2))

    Concrete Testing
    - Concrete Cylinders (ASTM C31, C39)

    Miscellaneous Concrete Testing Requirements (City of Pflugerville Specification C2.05)

UNDERGROUND UTILITY NOTES

A. All new telecommunication utility lines and all new electric utility lateral and service lines and wires shall be placed underground, except as otherwise herein provided. All such utilities shall be installed outside of the City of Pflugerville Right of Way in a public utility easement (P.U.E.) or specific use easement.
B. Where electrical service is to be placed underground, electric utility service lines for street or site lighting shall also be placed underground.
C. All electrical, cable television, and telephone support equipment (transformers, amplifiers, switching devices, etc.) necessary for underground installations in subdivisions shall be pad mounted or placed underground in a public utility easement rather than a right-of-way.
D. Nothing herein set forth shall prohibit or restrict any utility company from recovering the difference between the cost of overhead facilities and underground facilities. The subdivider shall be required to reimburse the utility company for such cost differential.
E. Each utility company whose facilities are subject to the provisions of this ordinance shall develop policies and cost reimbursement procedures with respect to the installations and extension of underground service.
F. Telephone and cable television lines may be constructed overhead where overhead electric utility lines are permitted.
G. Notwithstanding the provisions of this ordinance, temporary construction service may be provided by overhead utility lines and facilities without obtaining a variance or exception from the provisions hereof.
H. All utility installations regulated by the provisions set forth herein shall conform with all City of Pflugerville ordinances and regulations, as well as the regulations and specifications of the applicable utility companies.

GIL ENGINEERING
CONSULTING ENGINEERS - PLANNERS - SURVEYORS - DESIGNERS
504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Surveying Firm LI0022600
Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:PLAN NOTES

DRAWN:

DATE:----

STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER

REVISIONS:
--

SHEET NUMBER

2

30 0 30 60

SCALE: 1" = 30'

1 Sidewalk Demo Plan

SCALE: 1"= 30'

GIL ENGINEERING
CONSULTING ENGINEERS - PLANNERS - SURVEYORS - DESIGNERS
504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
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Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:SIDEWALK DEMO PLAN

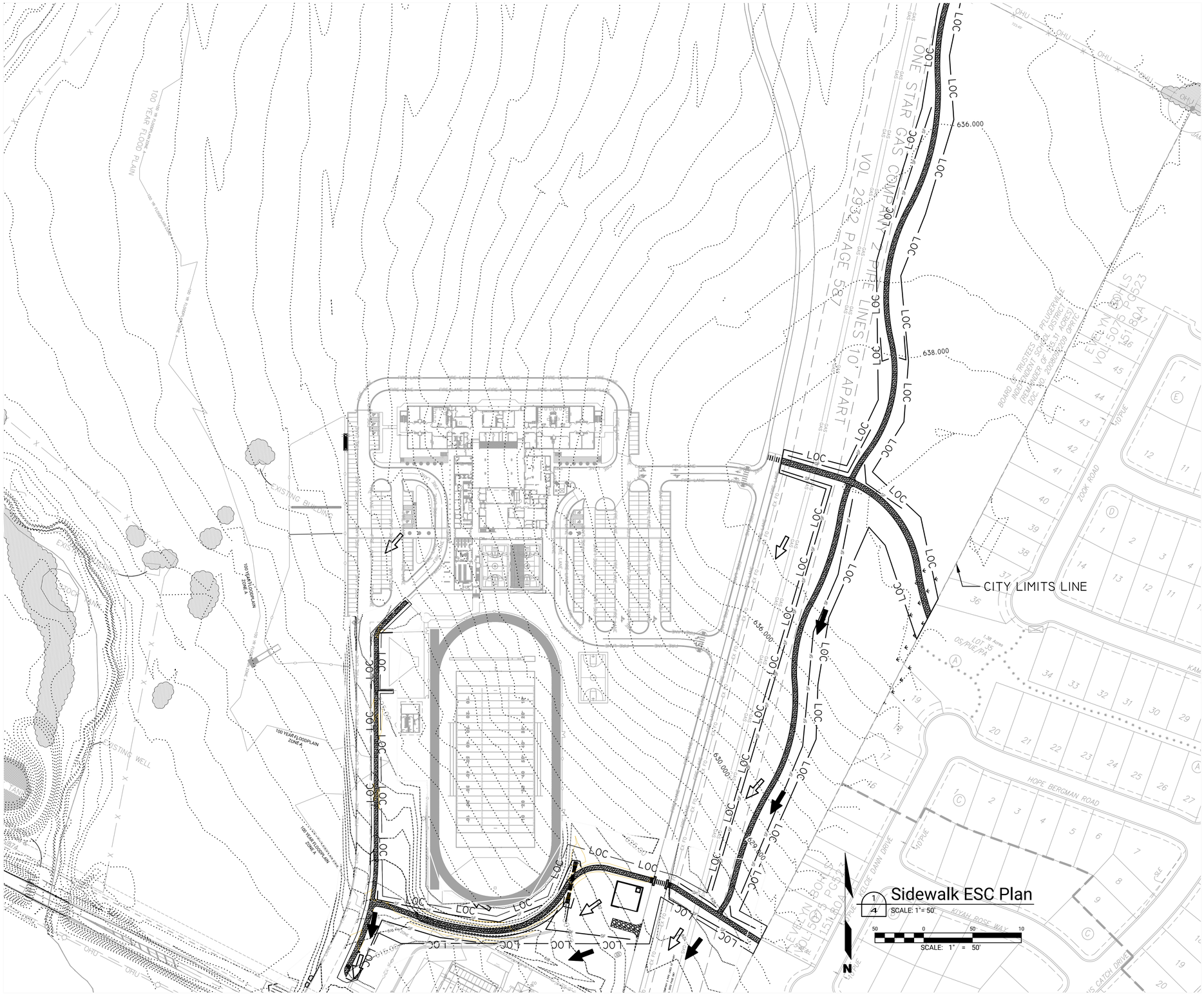
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DRAWN:

STATE OF TEXAS
VICTOR M. GIL
94984
LICENSED
PROFESSIONAL ENGINEER
12-22-21

REVISIONS:
..

SHEET NUMBER



TEMPORARY EROSION CONTROL LEGEND

- SF — SILT FENCE — 1/5
- LOC — LIMITS OF CONSTRUCTION LINE SHOWS AREAS OF SOIL DISTURBANCE; NO SOIL DISTURBANCE WILL OCCUR OUTSIDE THE LIMITS OF CONSTRUCTION. TOTAL DISTURBED AREA= 276,175 sf (6.34 ac); ALL AREAS ABRADED INSIDE THE LOC AND NOT HATCHED SHALL BE STABILIZED BY HYDROMULCH OR EQUIVALENT GRASS PRODUCING MEANS SEE PERMANENT EROSION CONTROL NOTES FOR DETAILS AND LANDSCAPE PLAN
- ROCK BERM — 3/5
- CONSTRUCTION ENTRANCE — 2/5
- TPN — TREE PROTECTION — 5/5
- HATCHED SHALL BE STABILIZED BY HYDROMULCH OR EQUIVALENT GRASS PRODUCING MEANS ; THERE ARE NO SLOPES GREATER THAN 3:1
- CONCRETE WASHOUT — 4/5

ESC NOTES

- If a concrete washout is to be utilized during construction add a note on the plan sheets that states that the location will be determined once construction has begun and will be properly notated on the site map at that time.
- All required Notices and Permits must be placed in a highly visible location onsite before the commencement of construction.
- All erosion and sedimentation controls （ESC） must be installed prior to any disturbance to the project site.
- Install silt fence accordingly for run-on diversion or offsite sediment control depending on up or down slope, facing post side on the down gradient side.
- All ESC used onsite must be regularly monitored and maintained as needed.
- Mud and or dirt tracked into the roadway must be immediately removed upon discovery.
- Excess materials that will be transported to an offsite location must have that location cleared by County Inspector.
- Loose trash and debris must be disposed of properly onsite.
- Contractor shall maintain and utilize dust control for the duration of the project.
- The Stabilized Construction Entrance shall be maintained in a condition that prevents tracking onto the public roadway on an ongoing/regular basis.
- Inlet protection shall be installed immediately upon inlet installation.
- Initiate temporary stabilization when construction ceases in a disturbed area for 14 days.
- Initiate permanent stabilization immediately once work has ceased and final grade has been achieved.
- All disturbed/bare areas will require permanent stabilization before Final Acceptance can be achieved. Avoid disturbing areas of the project that are not necessary for construction.
- County Inspector may request additional controls be installed onsite as needed.
- Temporary ESC's shall remain in place in all disturbed areas until adequate stabilization has been achieved.
- Contractor must remove sediment from all Storm Sewer Inlet Boxes, Lines, Pipes and Culverts before Conditional/Final Acceptance can obtained.
- Travis County requires Certified SWP3 Inspectors to conduct SWP3 inspections and reporting on all projects with one acre of disturbance and larger.
- No construction equipment or vehicles will be allowed outside the LOC.
- Permittee shall inspect all inlet protection devices as part of the weekly SWP3 report, upon receiving a forecast calling for a rain event for an extended period, modification of inlet protection should be made to prevent flooding or ponding of water if traffic or property concerns arise.

TEMPORARY VEGETATIVE STABILIZATION:

1) From September 15 to March 1, seeding shall be with or include a cool season cover crop: (Western Wheatgrass (Pascopyrum smithii) at 5.6 pounds per acre, Oats (Avena sativa) at 4.0 pounds per acre, Cereal Rye Grain (Secale cereale) at 45 pounds per acre. Contractor must ensure that any seed application requiring a cool season cover crop does not utilize annual ryegrass (Lolium multiflorum) or perennial ryegrass (Lolium perenne). Cool season cover crops are not permanent erosion control.

2) From March 2 to September 14, seeding shall be with hulled Bermuda at a rate of 45 pounds per acre or a native plant seed mix.

a) Fertilizer shall be applied only if warranted by a soil test. Fertilization should not occur when rainfall is expected or during slow plant growth or dormancy. Chemical fertilizer may not be applied in the Critical Water Quality Zone.

b) Hydromulch shall comply with Table 1, below.

c) Temporary erosion control shall be acceptable when the grass has grown at least 1½ inches high with a minimum of 95% total coverage so that all areas of a site that rely on vegetation for temporary stabilization are uniformly vegetated, and provided there are no bare spots larger than 10 square feet.

Table 1: Hydromulching for Temporary Vegetative Stabilization

Material	Description	Longevity	Typical Applications	Application Rates
100% or any blend of wood, cellulose, straw, and/or cotton plant material (except no mulch shall exceed 30% paper)	70% or greater Wood/ Straw 30% or less Paper or Natural Fibers	0—3 months	Moderate slopes; from flat to 3:1	1,500 to 2,000 lbs per acre

GIL ENGINEERING
CONSULTING ENGINEERS - PLANNERS - SURVEYORS - DESIGNERS
504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Surveying Firm 10022600
Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:SIDEWALK ESC PLAN

DATE:----

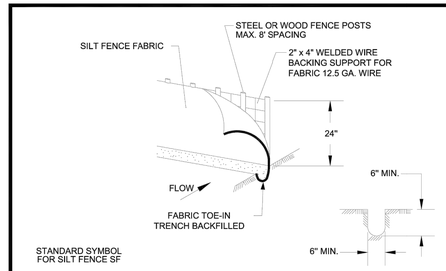
DRAWN:

STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER
12-2021

REVISIONS:
-

SHEET NUMBER

4

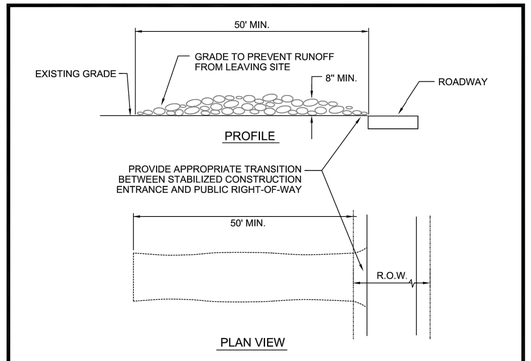


TRENCH CROSS SECTION

1. STEEL OR WOOD POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF 12 INCHES. IF WOOD POSTS CANNOT ACHIEVE 12 INCHES DEPTH, USE STEEL POSTS.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW.
3. THE TRENCH MUST BE A MINIMUM OF 6" DEEP AND 6" WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE FABRIC SHOULD BE SECURELY FASTENED TO EACH STEEL OR WOOD SUPPORT POST OR TO WOVEN WIRE , WHICH IS IN TURN ATTACHED TO THE STEEL OR WOOD FENCE POST.
5. INSPECTION SHALL BE MADE WEEKLY OR AFTER EACH RAINFALL EVENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF 6". THE SILT SHALL BE DISPOSED OF ON AN APPROVED SITE AND IN SUCH A MANNER THAT WILL NOT CONTRIBUTE TO ADDITIONAL SILTATION.

ISSUE DATE:	CITY OF PFLUGERVILLE	642S-1
REVISIONS	SILT FENCE	
DATE / APPROVED / DRAWN	CONSTRUCTION STANDARDS AND DETAILS	
SCALE: N.T.S.	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	

1 SILT FENCE DETAIL



NOTES:
1. STONE SIZE: 3"-5" OPEN GRADED ROCK.
2. LENGTH: AS EFFECTIVE BUT NOT LESS THAN 50'.
3. THICKNESS: NOT LESS THAN 8".
4. WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.
5. WASHING: WHEN NECESSARY, VEHICLE WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE AND DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
6. MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AS WELL AS REPAIR AND CLEAN OUT OF ANY MEASURE DEVICES USED TO TRAP SEDIMENT. ALL SEDIMENTS THAT IS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
7. DRAINAGE: ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

ISSUE DATE:	CITY OF PFLUGERVILLE	641S-1
REVISIONS	STABILIZED CONSTRUCTION ENTRANCE	
DATE / APPROVED / DRAWN	CONSTRUCTION STANDARDS AND DETAILS	
SCALE: N.T.S.	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	

2 STABILIZED CONSTRUCTION ENTRANCE
SCALE: NTS

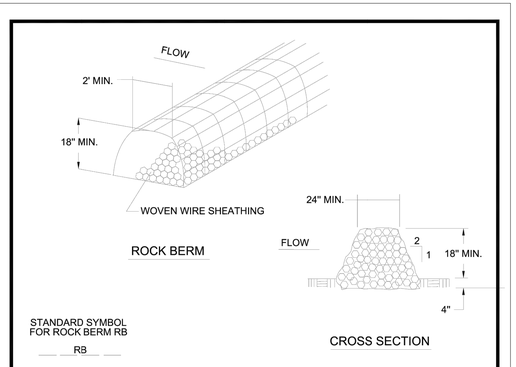
NOTE: THIS SECTION IS INTENDED TO ASSIST THOSE PERSONS PREPARING WATER POLLUTION ABATEMENT PLANS (WPAP) OR STORM WATER POLLUTION PREVENTION PLANS (SW3P) THAT COMPLY WITH FEDERAL, STATE AND/OR LOCAL STORM WATER REGULATIONS. THESE SUGGESTED DETAILS AND SPECIFICATIONS ARE GENERALLY INTENDED FOR HEAVY CIVIL PROJECTS IN PUBLIC RIGHTS-OF-WAY OR EASEMENTS.

1. THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTIVE FENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING, GRADING, OR EXCAVATION). CONTRACTOR TO REMOVE EROSION/SEDIMENTATION CONTROLS AT THE COMPLETION OF PROJECT AND GRASS RESTORATION.
2. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN AND WATER POLLUTION ABATEMENT PLAN. DEVIATIONS FROM THE APPROVED PLAN MUST BE SUBMITTED BY THE DESIGN ENGINEER TO THE CITY ENGINEER FOR APPROVAL.
3. APPLY GRASS SEED PER TABLE BELOW:

TIME OF YEAR	SEED TYPE	AMOUNT OF SEED PER 1,000 SF
OCTOBER – FEBRUARY	UNHULLED BERMUDA OR WINTER RYE	1 LB 3 LBS
MARCH – SEPTEMBER	HULLED BERMUDA	1 LB

4. ALL DISTURBED AREAS SHALL BE RESTORED AS NOTED IN THE WATER POLLUTION ABATEMENT PLAN.
5. THE PLANTED AREA SHALL BE IRRIGATED OR SPRINKLED IN A MANNER THAT WILL NOT ERODE THE TOPSOIL, BUT WILL SUFFICIENTLY SOAK THE SOIL TO A DEPTH OF FOUR (4) INCHES.
6. RESTORATION SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1-1/2 INCHES HIGH WITH 90% COVERAGE, PROVIDED NO BARE SPOTS LARGER THAN 10 SQUARE FEET EXIST.
7. A MINIMUM OF FOUR (4) INCHES OF TOPSOIL SHALL BE PLACED IN ALL AREAS DISTURBED BY CONSTRUCTION.
8. THE CONTRACTOR SHALL HYDROMULCH OR SOD (AS SHOWN ON PLANS) ALL EXPOSED CUTS AND FILLS UPON COMPLETION OF CONSTRUCTION.
9. EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILDUP WITHIN TREE DRIPLINE.
10. TO AVOID SOIL COMPACTION, CONTRACTOR SHALL NOT ALLOW VEHICULAR TRAFFIC, PARKING, OR STORAGE OF EQUIPMENT OR MATERIALS IN THE TREE DRIPLINE AREAS.
11. WHERE A FENCE IS CLOSER THAN FOUR (4) FEET TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED—ON PLANKING TO A HEIGHT OF EIGHT (8) FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE FENCING.
12. TREES SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.
13. ANY ROOT EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOPSOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN TWO DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
14. CONTRACTOR SHALL PRUNE VEGETATION TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, AND EQUIPMENT. WHERE DAMAGE OCCURS (RIPPING OF BRANCHES, ETC.), ALL FINISHED PRUNING SHALL BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY (REFERENCE THE "NATIONAL ARBORIST ASSOCIATION PRUNING STANDARDS FOR SHADE TREES").
15. THE CONTRACTOR SHALL INSPECT THE CONTROLS AT WEEKLY INTERVALS AND AFTER EVERY RAINFALL EXCEEDING 1/4 INCH TO VERIFY THAT THEY HAVE NOT BEEN SIGNIFICANTLY DISTURBED. THE CONTRACTOR SHALL CONDUCT PERIODIC INSPECTIONS OF ALL EROSION/SEDIMENTATION CONTROLS AND SHALL MAKE ANY REPAIRS OR MODIFICATIONS NECESSARY TO ASSURE CONTINUED EFFECTIVE OPERATION OF EACH DEVICE.
16. WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, TREE WELL, OR OTHER SUCH SITE DEVELOPMENT IMMEDIATELY ADJACENT TO A PROTECTED TREE, ERECT THE FENCE APPROXIMATELY TWO TO FOUR FEET (2'–4') BEHIND THE AREA IN QUESTION.
17. NO ABOVE AND/OR BELOW GROUND TEMPORARY FUEL STORAGE FACILITIES SHALL BE STORED ON THE PROJECT SITE.
18. IF EROSION AND SEDIMENTATION CONTROL SYSTEMS ARE EXISTING FROM PRIOR CONTRACTS, OWNER'S REPRESENTATIVE AND THE CONTRACTOR SHALL EXAMINE THE EXISTING EROSION AND SEDIMENTATION CONTROL SYSTEMS FOR DAMAGE PRIOR TO CONSTRUCTION. ANY DAMAGE TO PREEXISTING EROSION AND SEDIMENTATION CONTROLS NOTED SHALL BE REPAIRED AT OWNER'S EXPENSE.
19. INTENTIONAL RELEASE OF VEHICLE OR EQUIPMENT FLUIDS ONTO THE GROUND IS NOT ALLOWED. CONTAMINATED SOIL RESULTING FROM ACCIDENTAL SPILL SHALL BE REMOVED AND DISPOSED OF PROPERLY.

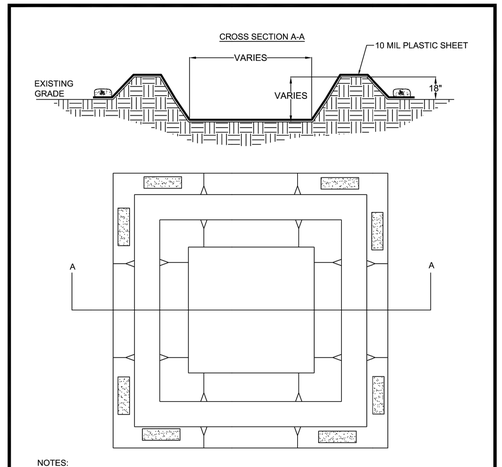
ISSUE DATE: JANUARY 2013	CITY OF PFLUGERVILLE	DWG. # EC-01A
REVISIONS	EROSION/SEDIMENTATION AND TREE PROTECTION NOTES	ECO1AU.DWG
1/14/13 / DF / AG		
DATE / APPROVED / DRAWN	CONSTRUCTION STANDARDS AND DETAILS	
SCALE: N.T.S.		



NOTES:
1. USE ONLY OPEN GRADED ROCK 3" to 5" DIAMETER FOR ALL CONDITIONS.
2. THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING MAXIMUM 1" OPENING AND MINIMUM WIRE DIAMETER OF 20 GAUGE.
3. THE ROCK BERM SHALL BE INSPECTED DAILY OR AFTER EACH RAIN, AND THE STONE AND/OR FABRIC CORE-WOVEN SHEATHING SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED, DUE TO SEDIMENT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
4. IF SEDIMENT REACHES A DEPTH EQUAL TO ONE-THIRD THE HEIGHT OF THE BERM OR 6", WHICHEVER IS LESS, THE SEDIMENT SHALL BE REMOVED AND DISPOSED OF ON AN APPROVED SITE AND IN A MANNER THAT WILL NOT CREATE A SEDIMENTATION PROBLEM.
5. WHEN THE SITE IS COMPLETELY STABILIZED,THE BERM AND ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.

ISSUE DATE:	CITY OF PFLUGERVILLE	639S-1
REVISIONS	ROCK BERM	
DATE / APPROVED / DRAWN	CONSTRUCTION STANDARDS AND DETAILS	
SCALE: N.T.S.	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	

3 ROCK BERM DETAIL
SCALE: NTS



NOTES:
1. SET LENGTH AND WIDTH AS NECESSARY TO PROVIDE ADEQUATE SPACE FOR WASHOUT ACTIVITIES.
2. IF RESTRICTED BY DEPTH DUE TO BELOW GRADE APPURTENANCES, PLACE EARTHEN BERMS AT GRADE.
3. USE EXCAVATED MATERIAL TO CREATE EARTHEN BERMS SURROUNDING THE AREA TO BE DESIGNATED AS A CONCRETE WASHOUT.
4. PLACE 10MIL OR GREATER PLASTIC SHEETING.
5. SECURE SHEETING ON OUTSIDE OF BERM AREA USING SAND BAGS OR ROCK EQUIVALENT.

ISSUE DATE:	CITY OF PFLUGERVILLE	650S-3
REVISIONS	CONCRETE TRUCK WASHOUT	
DATE / APPROVED / DRAWN	CONSTRUCTION STANDARDS AND DETAILS	
SCALE: N.T.S.	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	

4 CONCRETE TRUCK WASHOUT
SCALE: NTS

GIL ENGINEERING
CONSULTING ENGINEERS - PLANNERS - SURVEYORS - DESIGNERS
504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Surveying Firm 100726500
Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:ESC DETAILS

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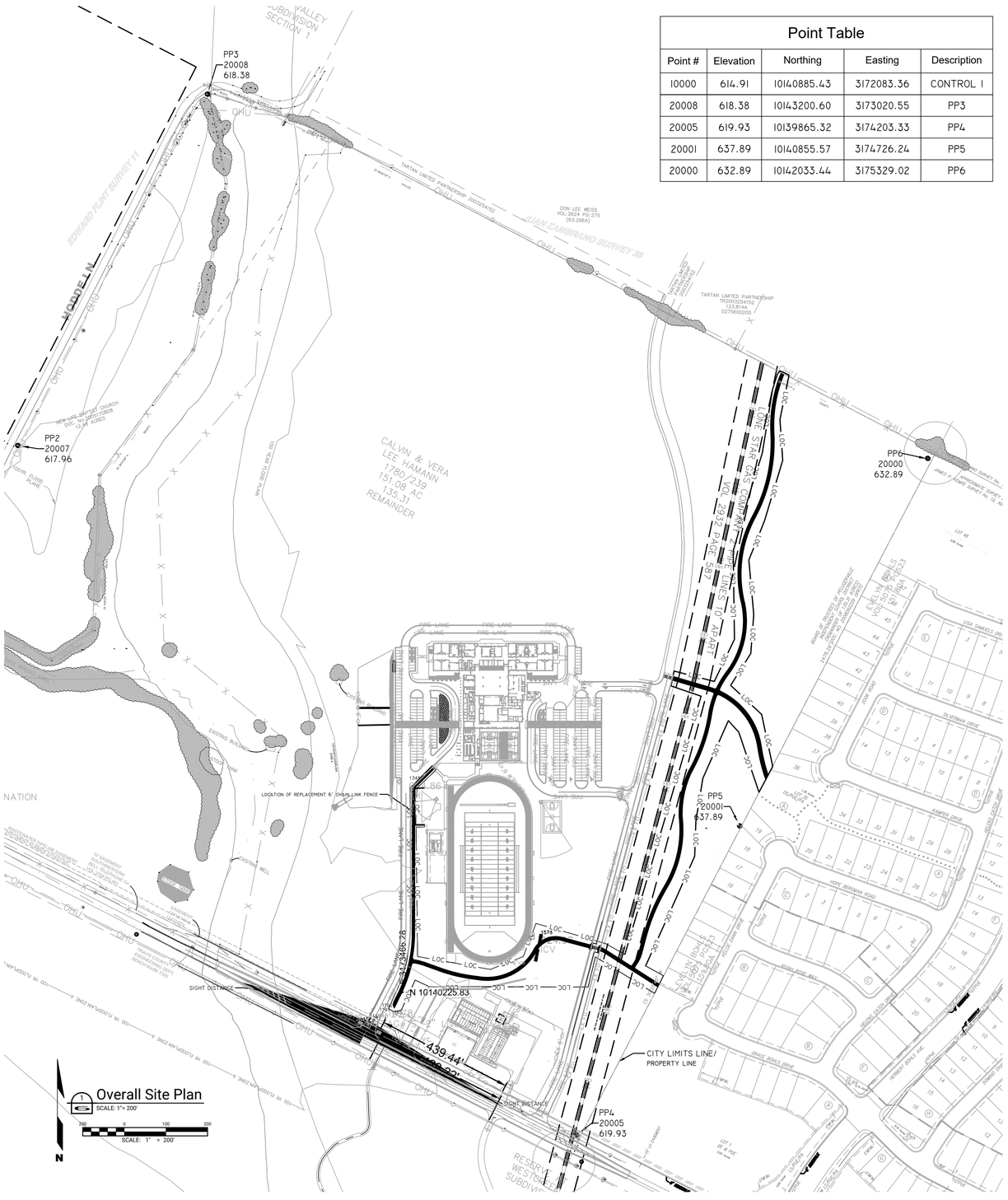
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REVISIONS:
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SHEET NUMBER

5



Point Table				
Point #	Elevation	Northing	Easting	Description
10000	614.91	10140885.43	3172083.36	CONTROL 1
20008	618.38	10143200.60	3173020.55	PP3
20005	619.93	10139865.32	3174203.33	PP4
20001	637.89	10140855.57	3174726.24	PP5
20000	632.89	10142033.44	3175329.02	PP6

AMERICANS WITH DISABILITIES ACT
THE CITY OF PFLUGERVILLE HAS REVIEWED THIS PLAN FOR COMPLIANCE WITH CITY DEVELOPMENT REGULATIONS ONLY. THE APPLICANT, PROPERTY OWNER, AND OCCUPANT OF THE PREMISES ARE RESPONSIBLE FOR DETERMINING WHETHER THE PLAN COMPLIES WITH ALL OTHER LAWS, REGULATIONS, AND RESTRICTIONS WHICH MAY BE APPLICABLE TO THE PROPERTY AND ITS USE.

SITE INFORMATION

ZONING DISTRICT	A
EXISTING LAND USE	PUBLIC MIDDLE SCHOOL
PROPOSED LAND USE	PUBLIC MIDDLE SCHOOL
LOT SIZE	135.31 acres
MINIMUM SETBACKS	FRONT STREET: 25' SIDE STREET: 15' REAR: 20'
EXISTING BUILDING GFA	96,256 SQ. FT.
PROPOSED BUILDING GFA	96,256 SQ. FT. (NO PROPOSED BUILDING)

PLAN LEGEND

1 / CP501 — CONCRETE SIDEWALK

EASEMENT BOUNDARY

100 YR FLOODPLAIN, ZONE A BOUNDARY

SITE TRIANGLE BOUNDARY

PAVING PLAN NOTES

MOISTURE CONDITIONED SUBGRADE
Soil subgrade should be scarified to a depth of six inches, moisture adjusted, and recompacted to at least 95 percent of the maximum dry density as determined by ASTM D 698. Soils should be moisture conditioned to between -3 and +3 percent of optimum moisture content . Care should be taken to insure that the subgrade does not dry out or become saturated prior to pavement construction. Moisture conditioning is not required in exposed limestone subgrade areas.

REINFORCED CONCRETE
Concrete shall be designed for at least 500 psi flexural strength (3 point loading) at 28 days. Flexural strength may be approximated from ACI 330r formula given on specifications. However, the actual relationship between flexural and compressive strength of concrete shall be determined in the laboratory. Reinforcement shall be deformed bars of billet or rail steel grade 60 conforming to ASTM A 615, A616, or A617 specifications. As an option, a 28-day compressive strength requirement of 4,000 psi will be allowed.

CRUSHED LIMESTONE BASE : (aggregate base course)
Base material may be composed of crushed limestone base meeting all of the requirements of the 2004 txdot item 247, type a grade 1 or 2; and should have no more than 15 percent of the material passing the no. 200 sieve. the base should be compacted to at least 95 percent of the maximum dry density as determined by the modified moisture-density relation (ASTM D 1557) at moisture contents ranging between minus three a(-3) and plus three (+3) percentage points of the optimum moisture content. the base shall be place a minimum of 5 foot behind the curb on both sides of the roadway /driveway and parking lots.

Hot Mix Asphaltic Concrete
Asphaltic concrete pavement shall be type "D" hot mix asphalt as defined in TxDOT's standard specifications for TxDOT Standard Specifications For Construction Of Highways, Street and Bridges, 2004.

The asphaltic concrete surface course shall be plant mixed, hot laid type "D" meeting the specification requirements of 2004 TxDOT Item 340. The mix shall be designed for a stability of at least 35 and shall be compacted to between 91 and 95 percent of the maximum theoretical density as determined by TxDOT test method TEX-227-F. The asphalt cement content by percent of total mixture weight shall fall within a tolerance of +05 percent from a specific mix design.

Reinforced Concrete Pavement
The concrete is to have 4,000 psi compressive strength at 28 days. Concrete should be cast and placed within the guidelines set forth by the American concrete institute (ACI).

Curbs and Sidewalks
The concrete is to be Class "A" 3,000 psi compressive strength at 28 days. Concrete should be cast and placed within the guidelines set forth by the American concrete institute (ACI).

ACCESSIBILITY GRADING NOTES

GRADING HAS BEEN DESIGNED TO HANDICAPPED ACCESSIBILITY STANDARD AS REQUIRED BY TEXAS DEPARTMENT OF LICENSING AND REGULATION, ARCHITECTURAL BARRIERS PROGRAM. CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH THE MOST CURRENT TEXAS ACCESSIBILITY STANDARDS AND ADMINISTRATIVE RULES AS PROVIDED IN INTERNET SITE WWW.LICENSE.STATE.TX.US.

CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING HANDICAPPED ACCESSIBLE PATHS FROM HANDICAPPED PARKING SPACES TO ENTRANCES BY CHECKING THAT CROSS SLOPES THAT ARE NOT GREATER THAN 1.75% AND THAT ACCESS AISLE WITH 4.75% MAXIMUM (UP OR DOWN) SLOPE HAVE BEEN PROVIDED.

CONTRACTOR SHALL ISSUE REQUEST FOR INSTRUCTIONS, PRIOR TO CONSTRUCTION, FOR ANY CONDITION WHICH DOES NOT APPEAR TO MEET THE TEXAS DEPARTMENT OF LICENSING AND REGULATION, ARCHITECTURAL BARRIERS PROGRAM REQUIREMENTS.

CONCRETE FLATWORK PLACED AGAINST THE BUILDING SHALL BE A MINIMUM OF 1/2" BELOW THE BRICK WEEP HOLES. HOWEVER, AT ENTRANCES AND DOORWAYS, THE CONCRETE FLATWORK SHALL BE FLUSH WITH THE BUILDING'S CONCRETE FINISH SURFACE. THE CONCRETE FLATWORK SHALL BE SLOPED AT 1:20 MAXIMUM FROM THE BUILDING'S CONCRETE FINISH SURFACE TO ACHIEVE THE REQUIRED "CLEARANCE" BELOW THE BRICK WEEP HOLES.

CONCRETE FLATWORK AT ENTRANCES AND DOORWAYS SHALL BE ANCHORED WITH 20" LONG #4 SMOOTH DOWELS AT 12" O.C. AND DRILLED A MINIMUM OF 8" INTO BUILDING'S CONCRETE FOUNDATION.

IT IS THE INTENT OF THE GRADING SHOWN TO SLOPE THE GROUNDTHAT IS IMMEDIATELY ADJACENT TO THE BUILDING'S FOUNDATION BE SLOPED AWAY FROM THE BUILDING AT A SLOPE NOT LESS THAN 5% (1 UNIT VERTICAL TO 20 UNITS HORIZONTAL) FOR A MINIMUM DISTANCE OF 10 FEET (MEASURED PERPENDICULAR TO THE BUILDING AT ALL POINTS). ALL SIDEWALKS AND OTHER IMPERVIOUS COVERED AREAS, WHERE SPOT ELEVATIONS ARE NOT GIVEN, SHALL BE SLOPED A MINIMUM OF 2% (1 UNIT VERTICAL TO 50 HORIZONTAL) FOR THE SAME 10 FEET.

IMPERVIOUS COVER												
DESCRIPTION	EXISTING IMPERVIOUS COVER			REMOVED IMPERVIOUS COVER			PROPOSED IMPERVIOUS COVER			TOTAL NET IMPERVIOUS COVER		
	SQ.FT	ACRES	% OF SITE	SQ.FT	ACRES	% OF SITE	SQ.FT	ACRES	% OF SITE	SQ.FT	ACRES	% OF SITE
BUILDINGS	96256	2.21	1.63%	0	0.00	0.00%	0	0.00	0.00%	96256	2.21	1.63%
CONCRETE	153867	3.53	2.61%	613	0.01	0.01%	41102	0.94	0.70%	194356	4.46	3.30%
ASPHALT	206831	4.75	3.51%	0	0.00	0.00%	0	0.00	0.00%	206831	4.75	3.51%
TOTALS	456954	10.49	7.75%	613	0.01	0.01%	41102	0.94	0.70%	497443	11.42	8.44%
SITE	5,894,103.60	135.31	100.00%									

GIL ENGINEERING
CONSULTING ENGINEERS - PLANNERS - SURVEYORS - DESIGNERS
504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
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PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:OVERALL SITE PLAN

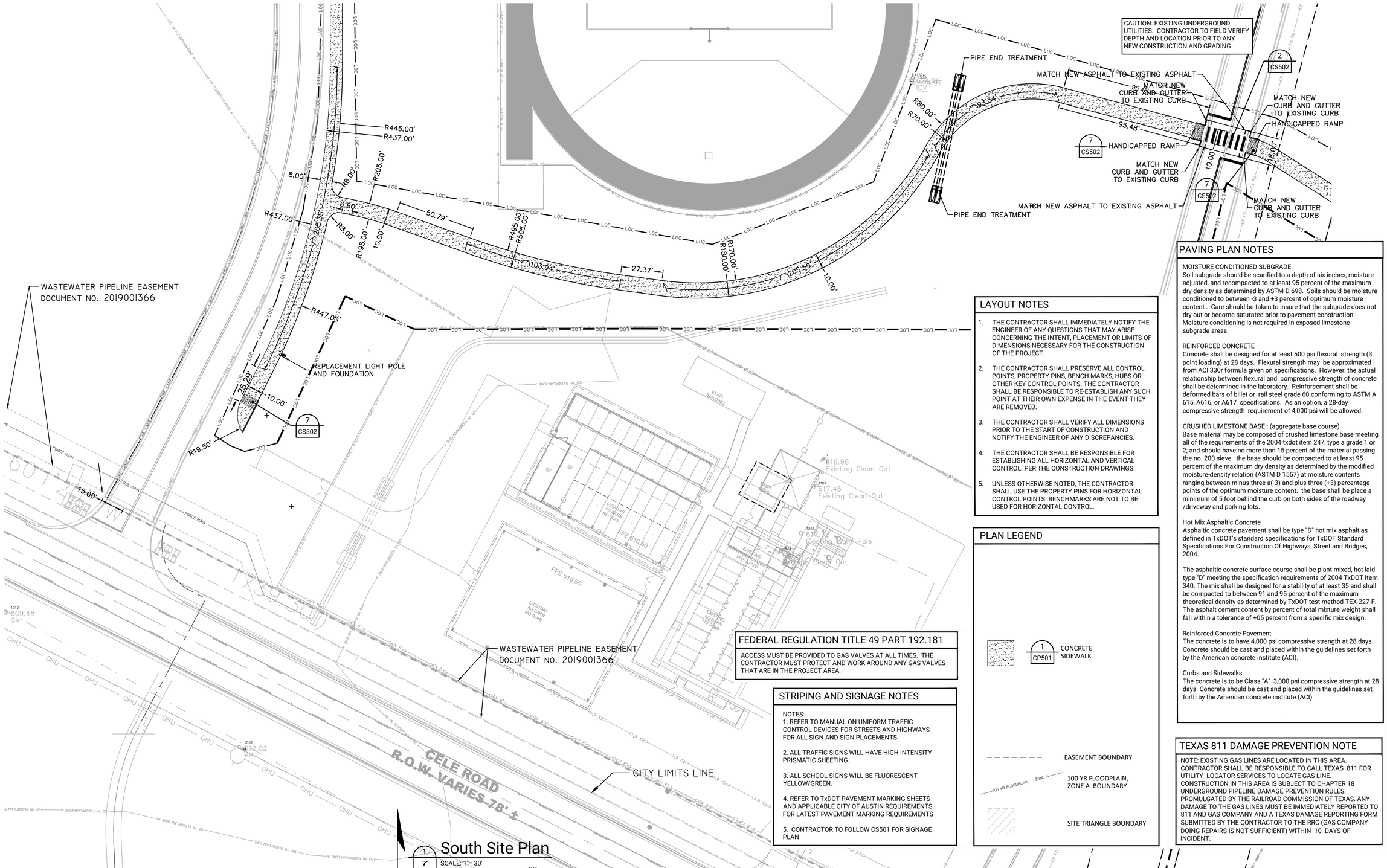
DRAWN:

DATE:----

STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER

REVISIONS:
..

SHEET NUMBER



South Site Plan

1/7 SCALE: 1" = 30'

30 0 30 60

SCALE: 1" = 30'

LAYOUT NOTES

1. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT OR LIMITS OF DIMENSIONS NECESSARY FOR THE CONSTRUCTION OF THE PROJECT.
2. THE CONTRACTOR SHALL PRESERVE ALL CONTROL POINTS, PROPERTY PINS, BENCH MARKS, HUBS OR OTHER KEY CONTROL POINTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO RE-ESTABLISH ANY SUCH POINT AT THEIR OWN EXPENSE IN THE EVENT THEY ARE REMOVED.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ALL HORIZONTAL AND VERTICAL CONTROL. PER THE CONSTRUCTION DRAWINGS.
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FEDERAL REGULATION 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.

STRIPING AND SIGNAGE NOTES

NOTES:
1. REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS FOR ALL SIGN AND SIGN PLACEMENTS.

2. ALL TRAFFIC SIGNS WILL HAVE HIGH INTENSITY PRISMATIC SHEETING.

3. ALL SCHOOL SIGNS WILL BE FLUORESCENT YELLOW/GREEN.

4. REFER TO TxDOT PAVEMENT MARKING SHEETS AND APPLICABLE CITY OF AUSTIN REQUIREMENTS FOR LATEST PAVEMENT MARKING REQUIREMENTS

5. CONTRACTOR TO FOLLOW CS501 FOR SIGNAGE PLAN

PLAN LEGEND

1 CP501 CONCRETE SIDEWALK

EASEMENT BOUNDARY

100 YR FLOODPLAIN ZONE A — 100 YR FLOODPLAIN, ZONE A BOUNDARY

SITE TRIANGLE BOUNDARY

PAVING PLAN NOTES

MOISTURE CONDITIONED SUBGRADE
Soil subgrade should be scarified to a depth of six inches, moisture adjusted, and recompacted to at least 95 percent of the maximum dry density as determined by ASTM D 698. Soils should be moisture conditioned to between -3 and +3 percent of optimum moisture content . Care should be taken to insure that the subgrade does not dry out or become saturated prior to pavement construction. Moisture conditioning is not required in exposed limestone subgrade areas.

REINFORCED CONCRETE
Concrete shall be designed for at least 500 psi flexural strength (3 point loading) at 28 days. Flexural strength may be approximated from ACI 330r formula given on specifications. However, the actual relationship between flexural and compressive strength of concrete shall be determined in the laboratory. Reinforcement shall be deformed bars of billet or rail steel grade 60 conforming to ASTM A 615, A616, or A617 specifications. As an option, a 28-day compressive strength requirement of 4,000 psi will be allowed.

CRUSHED LIMESTONE BASE : (aggregate base course)
Base material may be composed of crushed limestone base meeting all of the requirements of the 2004 txdot item 247, type a grade 1 or 2; and should have no more than 15 percent of the material passing the no. 200 sieve. the base should be compacted to at least 95 percent of the maximum dry density as determined by the modified moisture-density relation (ASTM D 1557) at moisture contents ranging between minus three a(-3) and plus three (+3) percentage points of the optimum moisture content. the base shall be place a minimum of 5 foot behind the curb on both sides of the roadway /driveway and parking lots.

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The asphaltic concrete surface course shall be plant mixed, hot laid type "D" meeting the specification requirements of 2004 TxDOT Item 340. The mix shall be designed for a stability of at least 35 and shall be compacted to between 91 and 95 percent of the maximum theoretical density as determined by TxDOT test method TEX-227-F. The asphalt cement content by percent of total mixture weight shall fall within a tolerance of +05 percent from a specific mix design.

Reinforced Concrete Pavement
The concrete is to have 4,000 psi compressive strength at 28 days. Concrete should be cast and placed within the guidelines set forth by the American concrete institute (ACI).

Curbs and Sidewalks
The concrete is to be Class "A" 3,000 psi compressive strength at 28 days. Concrete should be cast and placed within the guidelines set forth by the American concrete institute (ACI).

TEXAS 811 DAMAGE PREVENTION NOTE

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AMERICANS WITH DISABILITIES ACT
THE CITY OF PFLUGERVILLE HAS REVIEWED THIS PLAN FOR COMPLIANCE WITH CITY DEVELOPMENT REGULATIONS ONLY. THE APPLICANT, PROPERTY OWNER, AND OCCUPANT OF THE PREMISES ARE RESPONSIBLE FOR DETERMINING WHETHER THE PLAN COMPLIES WITH ALL OTHER LAWS, REGULATIONS, AND RESTRICTIONS WHICH MAY BE APPLICABLE TO THE PROPERTY AND ITS USE.

GIL ENGINEERING
CONSULTING ENGINEERS - PLANNERS - SURVEYORS - DESIGNERS
504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Surveying Firm 10022600
Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:SOUTH SITE PLAN

DATE: ----

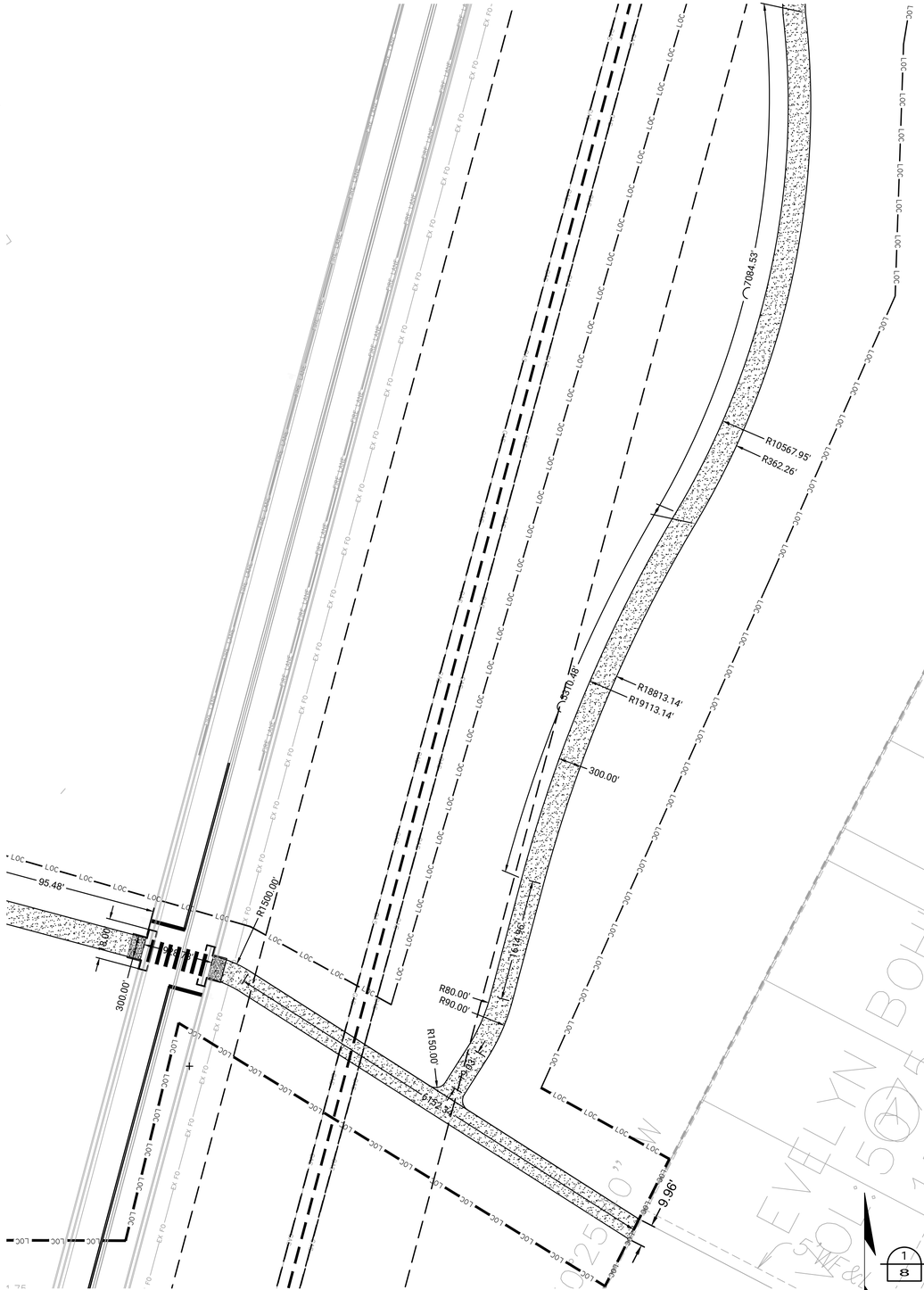
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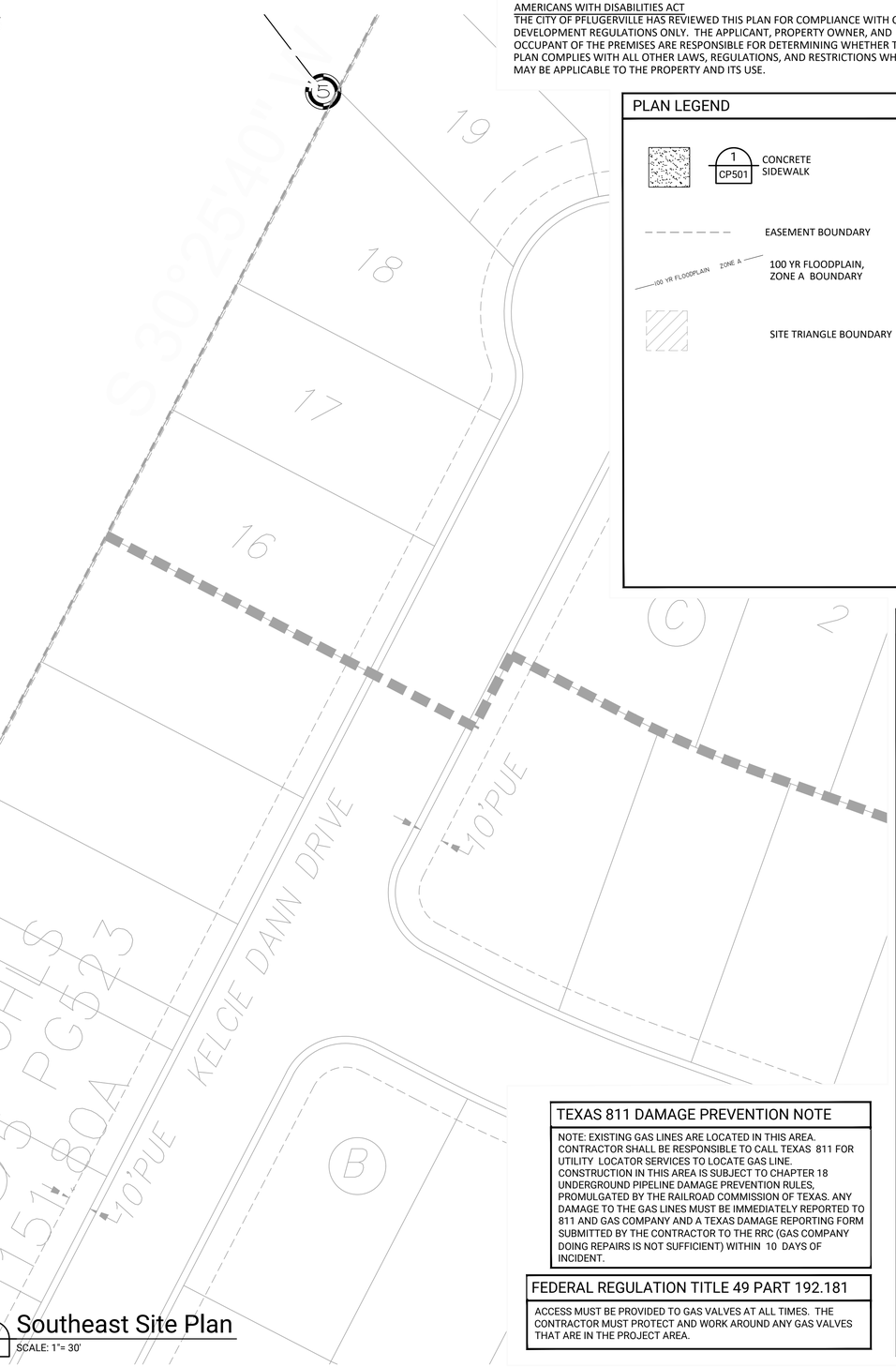
STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER

REVISIONS:
..

SHEET NUMBER

7





1 / 8 Southeast Site Plan
SCALE: 1"= 30'

30 0 30 60
SCALE: 1" = 30'

N

AMERICANS WITH DISABILITIES ACT
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PLAN LEGEND

- 1 / CP501 — CONCRETE SIDEWALK
- EASEMENT BOUNDARY
- 100 YR FLOODPLAIN, ZONE A BOUNDARY
- SITE TRIANGLE BOUNDARY

STRIPING AND SIGNAGE NOTES

NOTES:
1. REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS FOR ALL SIGN AND SIGN PLACEMENTS.

2. ALL TRAFFIC SIGNS WILL HAVE HIGH INTENSITY PRISMATIC SHEETING.

3. ALL SCHOOL SIGNS WILL BE FLUORESCENT YELLOW/GREEN.

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5. CONTRACTOR TO FOLLOW CS501 FOR SIGNAGE PLAN

LAYOUT NOTES

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PAVING PLAN NOTES

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CRUSHED LIMESTONE BASE : (aggregate base course)
Base material may be composed of crushed limestone base meeting all of the requirements of the 2004 txdot item 247, type a grade 1 or 2; and should have no more than 15 percent of the material passing the no. 200 sieve. the base should be compacted to at least 95 percent of the maximum dry density as determined by the modified moisture-density relation (ASTM D 1557) at moisture contents ranging between minus three a(-3) and plus three (+3) percentage points of the optimum moisture content. the base shall be place a minimum of 5 foot behind the curb on both sides of the roadway /driveway and parking lots.

Hot Mix Asphaltic Concrete
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The asphaltic concrete surface course shall be plant mixed, hot laid type "D" meeting the specification requirements of 2004 TxDOT Item 340. The mix shall be designed for a stability of at least 35 and shall be compacted to between 91 and 95 percent of the maximum theoretical density as determined by TxDOT test method TEX-227-F. The asphalt cement content by percent of total mixture weight shall fall within a tolerance of +05 percent from a specific mix design.

Reinforced Concrete Pavement
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Curbs and Sidewalks
The concrete is to be Class "A" 3,000 psi compressive strength at 28 days. Concrete should be cast and placed within the guidelines set forth by the American concrete institute (ACI).

TEXAS 811 DAMAGE PREVENTION NOTE

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FEDERAL REGULATION TITLE 49 PART 192.181

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Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:SOUTHEAST SITE PLAN

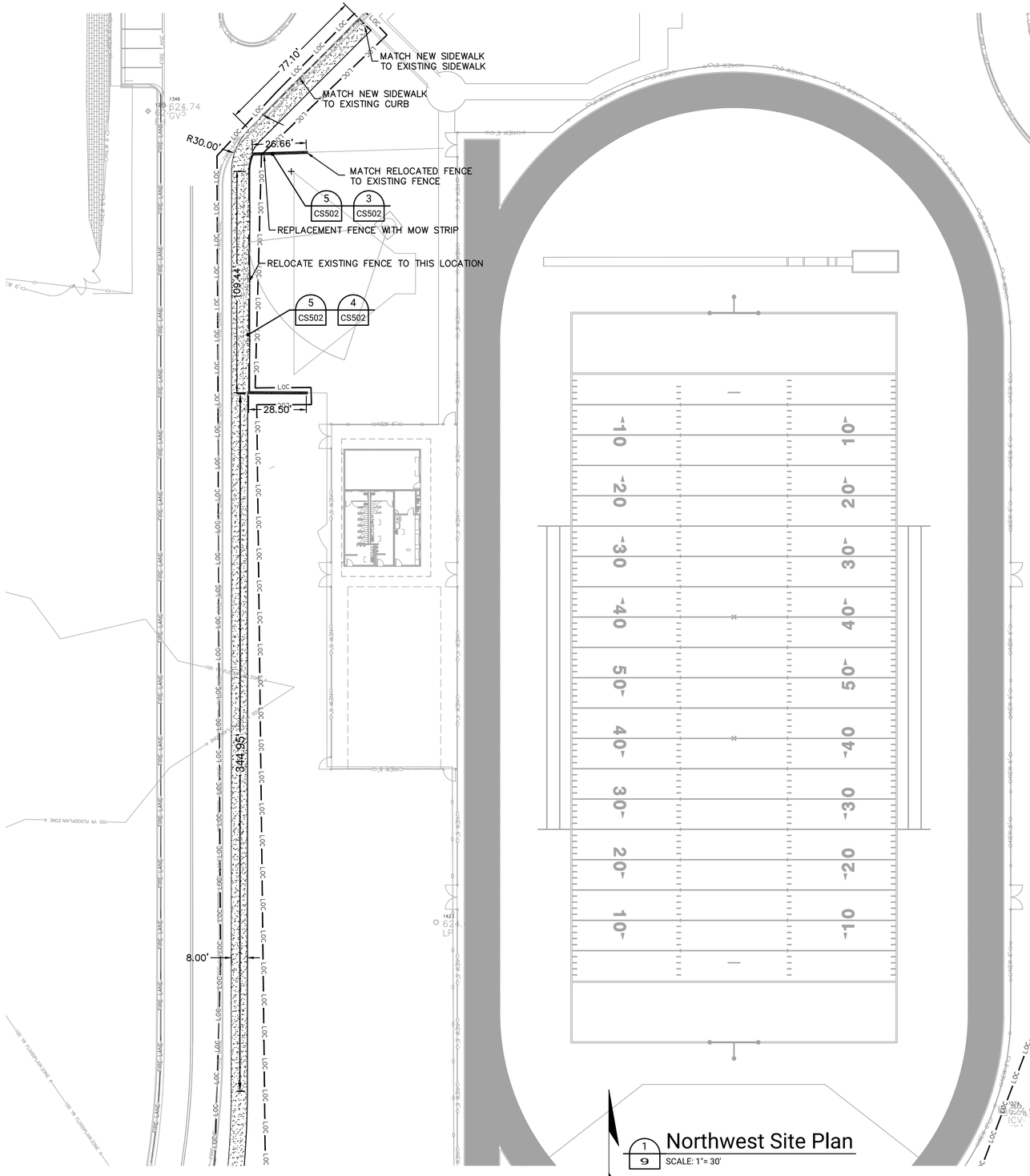
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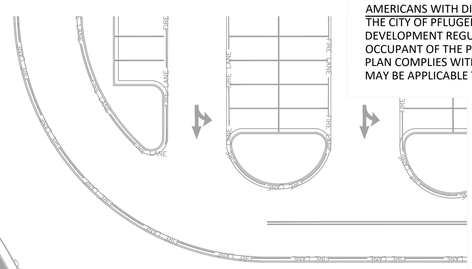
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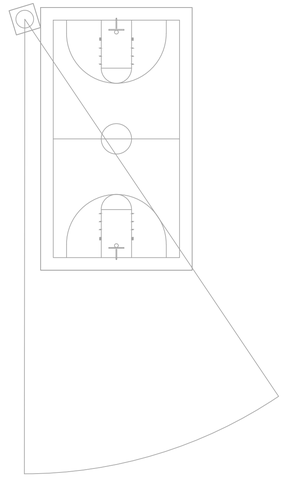
STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER

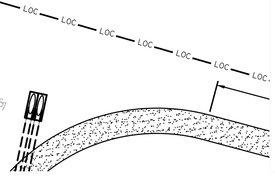
REVISIONS:
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SHEET NUMBER
8









1 9 Northwest Site Plan

SCALE: 1"= 30'

30 0 30 60

SCALE: 1" = 30'

N

AMERICANS WITH DISABILITIES ACT

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PLAN LEGEND

1 CP501 — CONCRETE SIDEWALK

EASEMENT BOUNDARY

100 YR FLOODPLAIN, ZONE A — 100 YR FLOODPLAIN ZONE A BOUNDARY

SITE TRIANGLE BOUNDARY

STRIPING AND SIGNAGE NOTES

NOTES:
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FEDERAL REGULATION TITLE 49 PART 192.181

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PAVING PLAN NOTES

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Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:NORTHWEST SITE PLAN

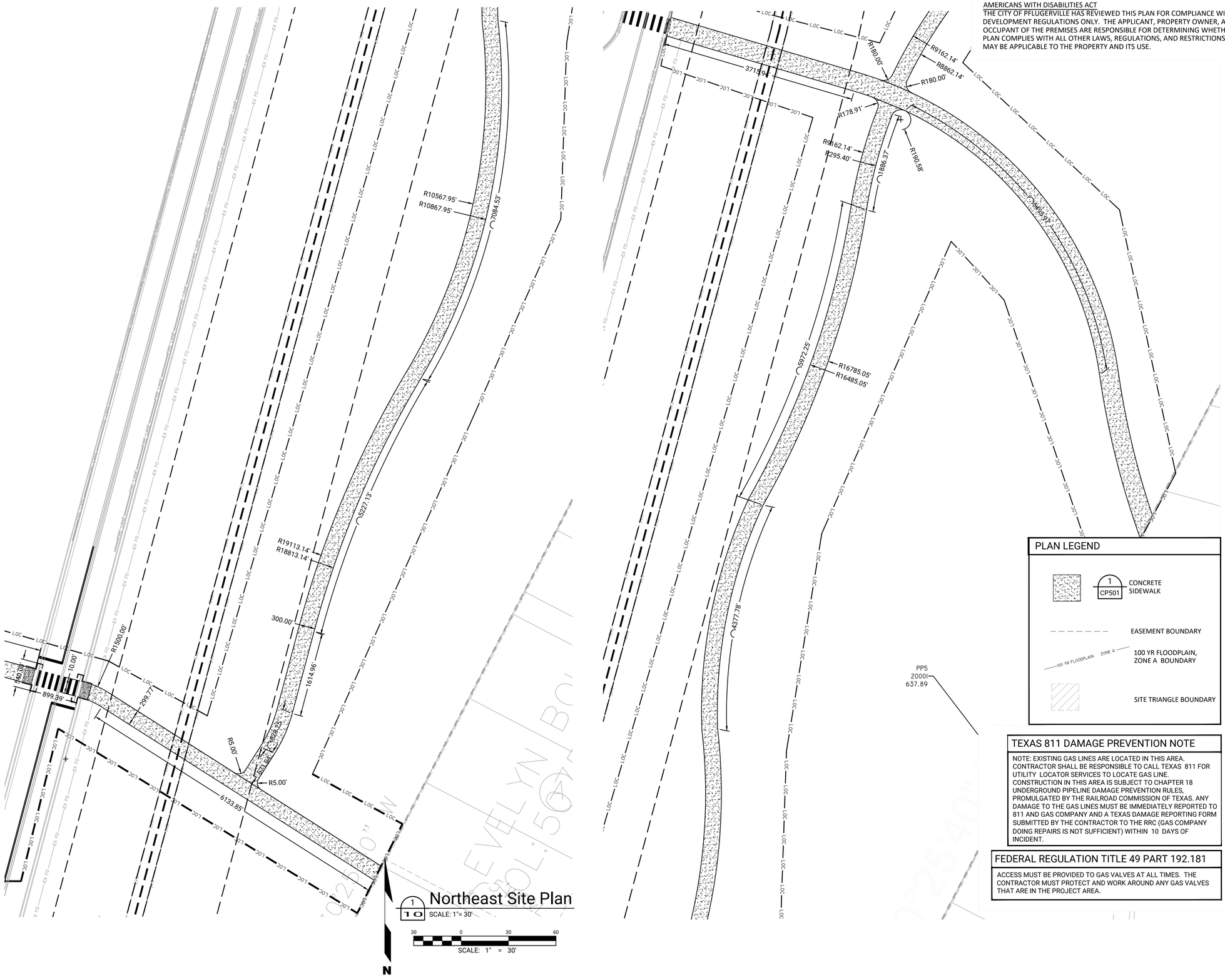
DATE:----

DRAWN:

STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER
released

REVISIONS:
..

SHEET NUMBER



AMERICANS WITH DISABILITIES ACT

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PLAN LEGEND

- 1 / CP501 — CONCRETE SIDEWALK
- EASEMENT BOUNDARY
- 100 YR FLOODPLAIN, ZONE A BOUNDARY
- SITE TRIANGLE BOUNDARY

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FEDERAL REGULATION TITLE 49 PART 192.181

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PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:NORTHEAST SITE PLAN

DATE: ----

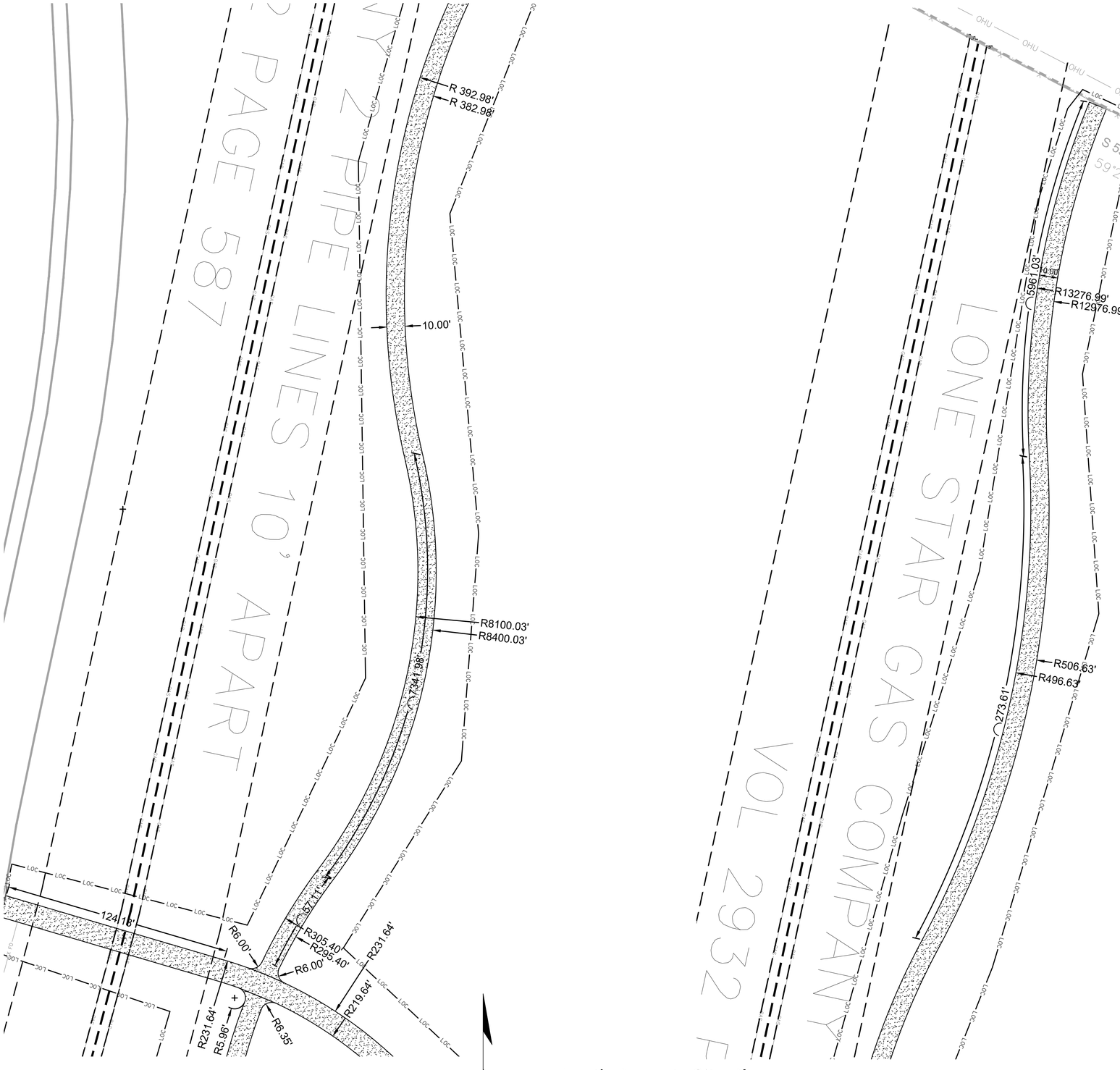
DRAWN:

STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER
12-22-21

REVISIONS:
..

SHEET NUMBER

10



1 To North Property Site Plan

SCALE: 1"= 30'

N

30 0 30 60

SCALE: 1" = 30'

AMERICANS WITH DISABILITIES ACT

THE CITY OF PFLUGERVILLE HAS REVIEWED THIS PLAN FOR COMPLIANCE WITH CITY DEVELOPMENT REGULATIONS ONLY. THE APPLICANT, PROPERTY OWNER, AND OCCUPANT OF THE PREMISES ARE RESPONSIBLE FOR DETERMINING WHETHER THE PLAN COMPLIES WITH ALL OTHER LAWS, REGULATIONS, AND RESTRICTIONS WHICH MAY BE APPLICABLE TO THE PROPERTY AND ITS USE.

STRIPING AND SIGNAGE NOTES

NOTES:
1. REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS FOR ALL SIGN AND SIGN PLACEMENTS.

2. ALL TRAFFIC SIGNS WILL HAVE HIGH INTENSITY PRISMATIC SHEETING.

3. ALL SCHOOL SIGNS WILL BE FLUORESCENT YELLOW/GREEN.

4. REFER TO TxDOT PAVEMENT MARKING SHEETS AND APPLICABLE CITY OF AUSTIN REQUIREMENTS FOR LATEST PAVEMENT MARKING REQUIREMENTS

5. CONTRACTOR TO FOLLOW CS501 FOR SIGNAGE PLAN

LAYOUT NOTES

1. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT OR LIMITS OF DIMENSIONS NECESSARY FOR THE CONSTRUCTION OF THE PROJECT.

2. THE CONTRACTOR SHALL PRESERVE ALL CONTROL POINTS, PROPERTY PINS, BENCH MARKS, HUBS OR OTHER KEY CONTROL POINTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO RE-ESTABLISH ANY SUCH POINT AT THEIR OWN EXPENSE IN THE EVENT THEY ARE REMOVED.

3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ALL HORIZONTAL AND VERTICAL CONTROL. PER THE CONSTRUCTION DRAWINGS.

5. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL USE THE PROPERTY PINS FOR HORIZONTAL CONTROL POINTS. BENCHMARKS ARE NOT TO BE USED FOR HORIZONTAL CONTROL.

PAVING PLAN NOTES

MOISTURE CONDITIONED SUBGRADE
Soil subgrade should be scarified to a depth of six inches, moisture adjusted, and recompacted to at least 95 percent of the maximum dry density as determined by ASTM D 698. Soils should be moisture conditioned to between -3 and +3 percent of optimum moisture content . Care should be taken to insure that the subgrade does not dry out or become saturated prior to pavement construction. Moisture conditioning is not required in exposed limestone subgrade areas.

REINFORCED CONCRETE
Concrete shall be designed for at least 500 psi flexural strength (3 point loading) at 28 days. Flexural strength may be approximated from ACI 330r formula given on specifications. However, the actual relationship between flexural and compressive strength of concrete shall be determined in the laboratory. Reinforcement shall be deformed bars of billet or rail steel grade 60 conforming to ASTM A 615, A616, or A617 specifications. As an option, a 28-day compressive strength requirement of 4,000 psi will be allowed.

CRUSHED LIMESTONE BASE : (aggregate base course)
Base material may be composed of crushed limestone base meeting all of the requirements of the 2004 txdot item 247, type a grade 1 or 2; and should have no more than 15 percent of the material passing the no. 200 sieve. the base should be compacted to at least 95 percent of the maximum dry density as determined by the modified moisture-density relation (ASTM D 1557) at moisture contents ranging between minus three a(-3) and plus three (+3) percentage points of the optimum moisture content. the base shall be place a minimum of 5 foot behind the curb on both sides of the roadway /driveway and parking lots.

Hot Mix Asphaltic Concrete
Asphaltic concrete pavement shall be type "D" hot mix asphalt as defined in TxDOT's standard specifications for TxDOT Standard Specifications For Construction Of Highways, Street and Bridges, 2004.

The asphaltic concrete surface course shall be plant mixed, hot laid type "D" meeting the specification requirements of 2004 TxDOT Item 340. The mix shall be designed for a stability of at least 35 and shall be compacted to between 91 and 95 percent of the maximum theoretical density as determined by TxDOT test method TEX-227-F. The asphalt cement content by percent of total mixture weight shall fall within a tolerance of +05 percent from a specific mix design.

Reinforced Concrete Pavement
The concrete is to have 4,000 psi compressive strength at 28 days. Concrete should be cast and placed within the guidelines set forth by the American concrete institute (ACI).

Curbs and Sidewalks
The concrete is to be Class "A" 3,000 psi compressive strength at 28 days. Concrete should be cast and placed within the guidelines set forth by the American concrete institute (ACI).

PLAN LEGEND

- 1 / CP501 — CONCRETE SIDEWALK
- EASEMENT BOUNDARY
- 100 YR FLOODPLAIN, ZONE A BOUNDARY
- SITE TRIANGLE BOUNDARY

TEXAS 811 DAMAGE PREVENTION NOTE

NOTE: EXISTING GAS LINES ARE LOCATED IN THIS AREA. CONTRACTOR SHALL BE RESPONSIBLE TO CALL TEXAS 811 FOR UTILITY LOCATOR SERVICES TO LOCATE GAS LINE. CONSTRUCTION IN THIS AREA IS SUBJECT TO CHAPTER 18 UNDERGROUND PIPELINE DAMAGE PREVENTION RULES, PROMULGATED BY THE RAILROAD COMMISSION OF TEXAS. ANY DAMAGE TO THE GAS LINES MUST BE IMMEDIATELY REPORTED TO 811 AND GAS COMPANY AND A TEXAS DAMAGE REPORTING FORM SUBMITTED BY THE CONTRACTOR TO THE RRC (GAS COMPANY DOING REPAIRS IS NOT SUFFICIENT) WITHIN 10 DAYS OF INCIDENT.

FEDERAL REGULATION 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.

GIL ENGINEERING
CONSULTING ENGINEERS - PLANNERS - SURVEYORS - DESIGNERS
504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Surveying Firm 10022600
Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE: TO NORTH PROPERTY SITE PLAN

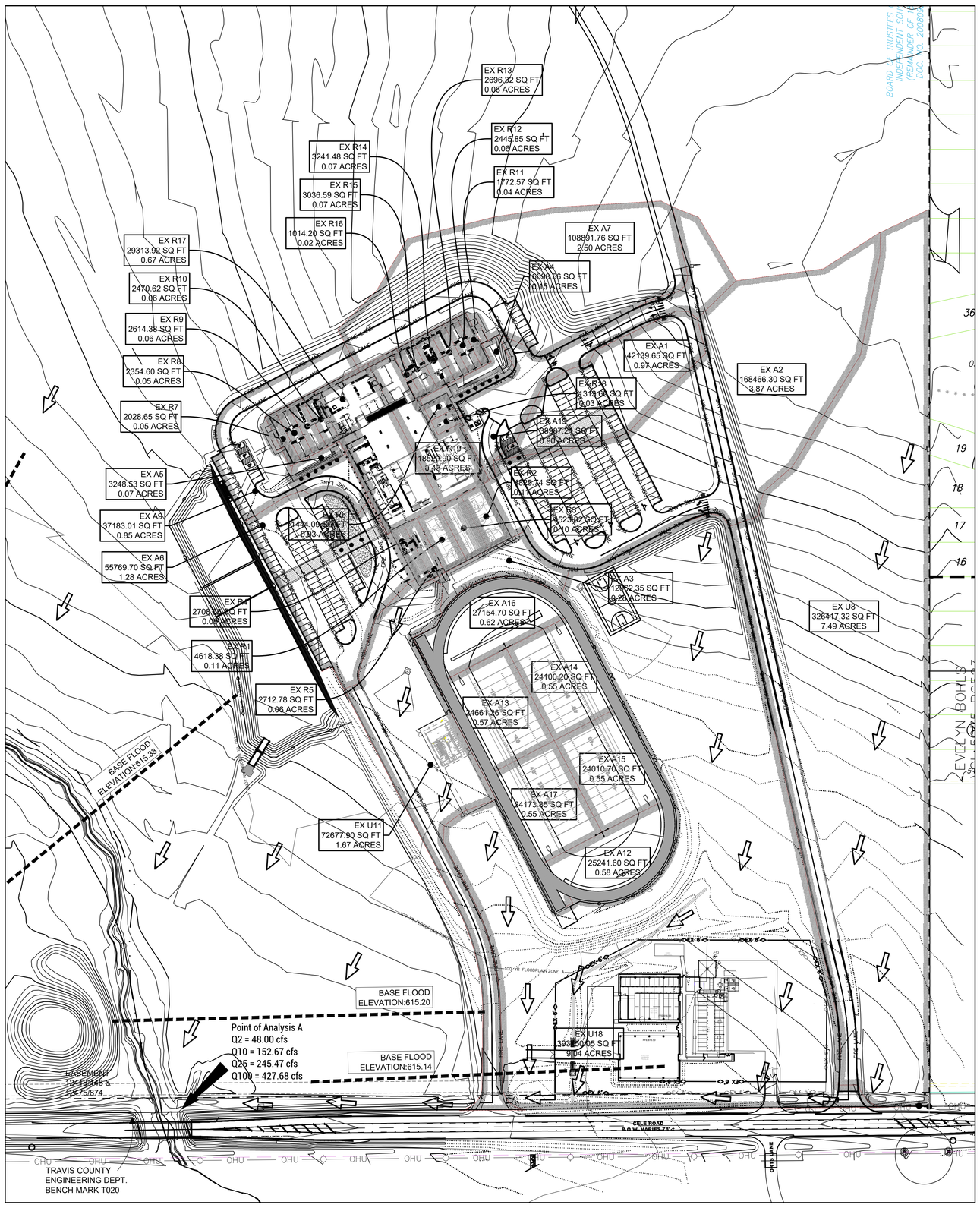
DRAWN:

DATE: ----

VICTOR M. GIL 94994 LICENSED PROFESSIONAL ENGINEER

REVISIONS:
..

SHEET NUMBER



Time of Concentration (Existing Conditions)

Area No.	Sheet Flow				Shallow Concentrated Flow				Total Calculated TC	TC value Used (Min)	NOTES
	Length (ft)	Mannings n	Slope (ft/ft)	TC (min)	Length (ft)	Mannings n	Slope (ft/ft)	TC (min)			
A19-R19	100	0.016	0.0206	1.56	545	0.016	0.0306	2.55	4.11	5.00	SCF Paved
U8-U18	100	0.150	0.0200	9.45	1119	0.016	0.0105	8.95	18.40	28.20	SCF UnPaved
	CONBDESDM 4.2.2 EQ 4.4 0.007(nL)^.8/(P2)^.5s^.4				EQ 4-5 Tt=L/(60(16.1345)(s)^0.5 unpaved Tt=L/(60(20.3282)(s)^0.5 paved						

Storm Runoff Calculations (Existing Conditions) Based on Atlas 14 COP DCM

AREA NO.	Total Area (SF)	Impervious Cover (sf)	Pervious (sf)	Area (ac)	Curve Number	Tc (min)	Q2 (cfs)	Q10 (cfs)	Q25 (cfs)	Q100 (cfs)	Draining To
EX A1-R19	1,016,456	332,051	684405	23.33	82	5	95.65	186.00	253.25	377.37	Proposed Pond
EX U8-U18	792,845	105,867	686978	18.20	82	28	36.60	73.14	100.60	151.47	Point of Analysis A
Flow From Proposed Pond							11.40	79.53	145.14	276.21	Point of Analysis A
Total Flow at Point of Analysis A							48.00	152.67	245.74	427.68	East Side of Flood Plain

DRAINAGE LEGEND

EXISTING FLOW DIRECTION

BASE FLOOD ELEVATIONS

1 CN100
SCALE: 1"= 30'

100 0 100 200
SCALE: 1" = 100'

N

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504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Surveying Firm 100726500
Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:

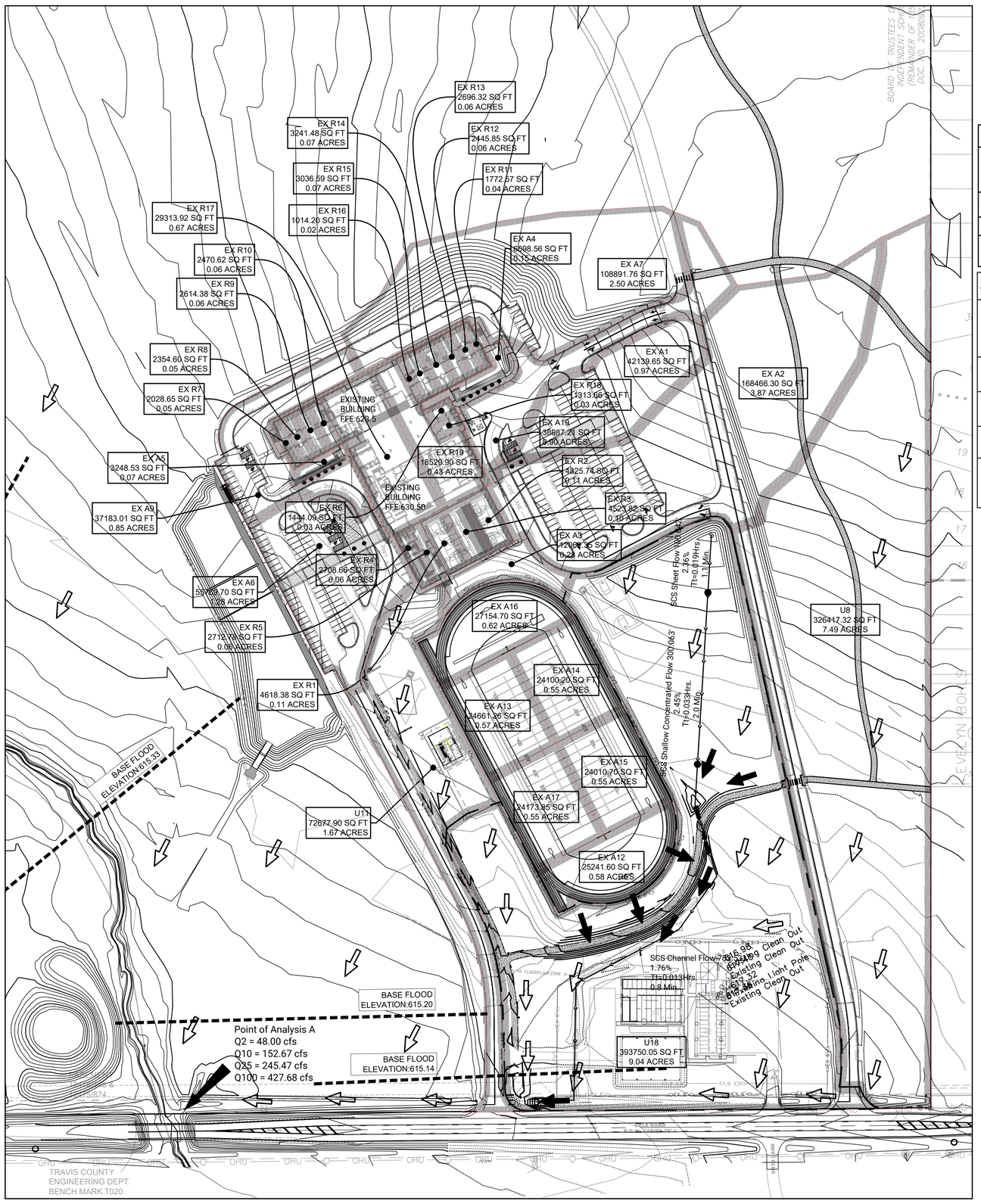
DRAWN:

DATE:

STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER
12-2021

REVISIONS:
--

SHEET NUMBER
16



DRAINAGE LEGEND

- TIME OF CONCENTRATION FLOW PATH
- TC END OF PATH
- EXISTING FLOW DIRECTION
- PROPOSED FLOW DIRECTION
- BASE FLOOD ELEVATIONS

Time of Concentration (Proposed Conditions)

Area No.	Sheet Flow				Shallow Concentrated Flow				Total Calculated TC	TC value Used (Min)	NOTES
	Length (ft)	Mannings n	Slope (ft/ft)	TC (min)	Length (ft)	Mannings n	Slope (ft/ft)	TC (min)			
A19-R19	100	0.016	0.0206	1.56	545	0.016	0.0306	2.55	4.11	5.00	SCF Paved
U8-U18	100	0.150	0.0200	9.45	1119	0.016	0.0105	8.95	18.40	28.20	SCF UnPaved
	CONBDESDM 4.2.2 EQ 4.4 0.007(nL)^.8/(P2)^.5s^.4				EQ 4-5 Tt=L/(60(16.1345)(s)^0.5 unpaved Tt=L/(60(20.3282)(s)^0.5 paved						

Storm Runoff Calculations (Proposed Conditions) Based on Atlas 14 COP DCM

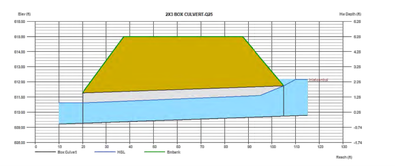
AREA NO.	Total Area (SF)	Impervious Cover (sf)	Pervious (sf)	Area (ac)	Curve Number	Tc (min)	Q2 (cfs)	Q10 (cfs)	Q25 (cfs)	Q100 (cfs)	Draining To
EX A1-R19	1,016,456	332,051	684405	23.33	82	5	95.65	186.00	253.25	377.37	Proposed Pond
U8-U18	792,845	125,913	666932	18.20	82	28	36.60	73.14	100.60	151.47	Point of Analysis A
					Flow From Proposed Pond		11.40	79.53	145.14	276.21	Point of Analysis A
					Total Flow at Point of Analysis A		48.00	152.67	245.74	427.68	East side of Flood Plain

Culvert Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. — Monday, Aug 2 2021

2X3 BOX CULVERT-Q10

		Calculations	
Invert Elev Dn (ft)	= 609.27	Qmin (cfs)	= 0.00
Pipe Length (ft)	= 85.00	Qmax (cfs)	= 57.96
Slope (%)	= 0.55	Tailwater Elev (ft)	= Normal
Invert Elev Up (ft)	= 609.74		
Rise (in)	= 24.0	**Highlighted**	
Shape	= Box	Qtotal (cfs)	= 57.96
Span (in)	= 36.0	Qpipe (cfs)	= 57.96
No. Barrels	= 2	Qovertop (cfs)	= 0.00
n-Value	= 0.012	Veloc Dn (ft/s)	= 7.21
Culvert Type	= Flared Wingwalls	Veloc Up (ft/s)	= 6.78
Culvert Entrance	= 30D to 75D wingwall flares	HGL Dn (ft)	= 610.61
Coeff. K,M,c,Y,k	= 0.026, 1, 0.0347, 0.81, 0.4	HGL Up (ft)	= 611.17
		Hw Elev (ft)	= 612.16
Embankment		Hw/D (ft)	= 1.21
Top Elevation (ft)	= 615.00	Flow Regime	= Inlet Control
Top Width (ft)	= 50.00		
Crest Width (ft)	= 25.00		

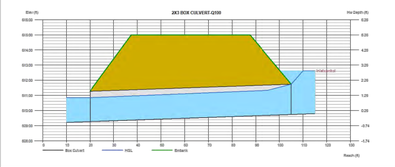


Culvert Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. — Monday, Aug 2 2021

2X3 BOX CULVERT-Q25

		Calculations	
Invert Elev Dn (ft)	= 609.27	Qmin (cfs)	= 0.00
Pipe Length (ft)	= 85.00	Qmax (cfs)	= 72.68
Slope (%)	= 0.55	Tailwater Elev (ft)	= Normal
Invert Elev Up (ft)	= 609.74		
Rise (in)	= 24.0	**Highlighted**	
Shape	= Box	Qtotal (cfs)	= 72.68
Span (in)	= 36.0	Qpipe (cfs)	= 72.68
No. Barrels	= 2	Qovertop (cfs)	= 0.00
n-Value	= 0.012	Veloc Dn (ft/s)	= 7.67
Culvert Type	= Flared Wingwalls	Veloc Up (ft/s)	= 7.31
Culvert Entrance	= 30D to 75D wingwall flares	HGL Dn (ft)	= 610.85
Coeff. K,M,c,Y,k	= 0.026, 1, 0.0347, 0.81, 0.4	HGL Up (ft)	= 611.40
		Hw Elev (ft)	= 612.63
Embankment		Hw/D (ft)	= 1.44
Top Elevation (ft)	= 615.00	Flow Regime	= Inlet Control
Top Width (ft)	= 50.00		
Crest Width (ft)	= 25.00		



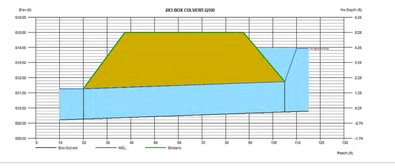
2'x3' BOX CULVERT REPORT-WEST DRIVEWAY

Culvert Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. — Monday, Aug 2 2021

2X3 BOX CULVERT-Q100

		Calculations	
Invert Elev Dn (ft)	= 609.27	Qmin (cfs)	= 0.00
Pipe Length (ft)	= 85.00	Qmax (cfs)	= 103.47
Slope (%)	= 0.55	Tailwater Elev (ft)	= Normal
Invert Elev Up (ft)	= 609.74		
Rise (in)	= 24.0	**Highlighted**	
Shape	= Box	Qtotal (cfs)	= 103.47
Span (in)	= 36.0	Qpipe (cfs)	= 103.47
No. Barrels	= 2	Qovertop (cfs)	= 0.00
n-Value	= 0.012	Veloc Dn (ft/s)	= 8.67
Culvert Type	= Flared Wingwalls	Veloc Up (ft/s)	= 8.62
Culvert Entrance	= 30D to 75D wingwall flares	HGL Dn (ft)	= 611.26
Coeff. K,M,c,Y,k	= 0.026, 1, 0.0347, 0.81, 0.4	HGL Up (ft)	= 611.74
		Hw Elev (ft)	= 613.93
Embankment		Hw/D (ft)	= 2.10
Top Elevation (ft)	= 615.00	Flow Regime	= Inlet Control
Top Width (ft)	= 50.00		
Crest Width (ft)	= 25.00		



2'x3' BOX CULVERT REPORT-WEST DRIVEWAY

N

100 0 100 200
SCALE: 1" = 100'

1 CN101 PROPOSED DRAINAGE AREA MAP
SCALE: 1"= 30'

GIL ENGINEERING
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504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Surveying Firm 100726500
Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:

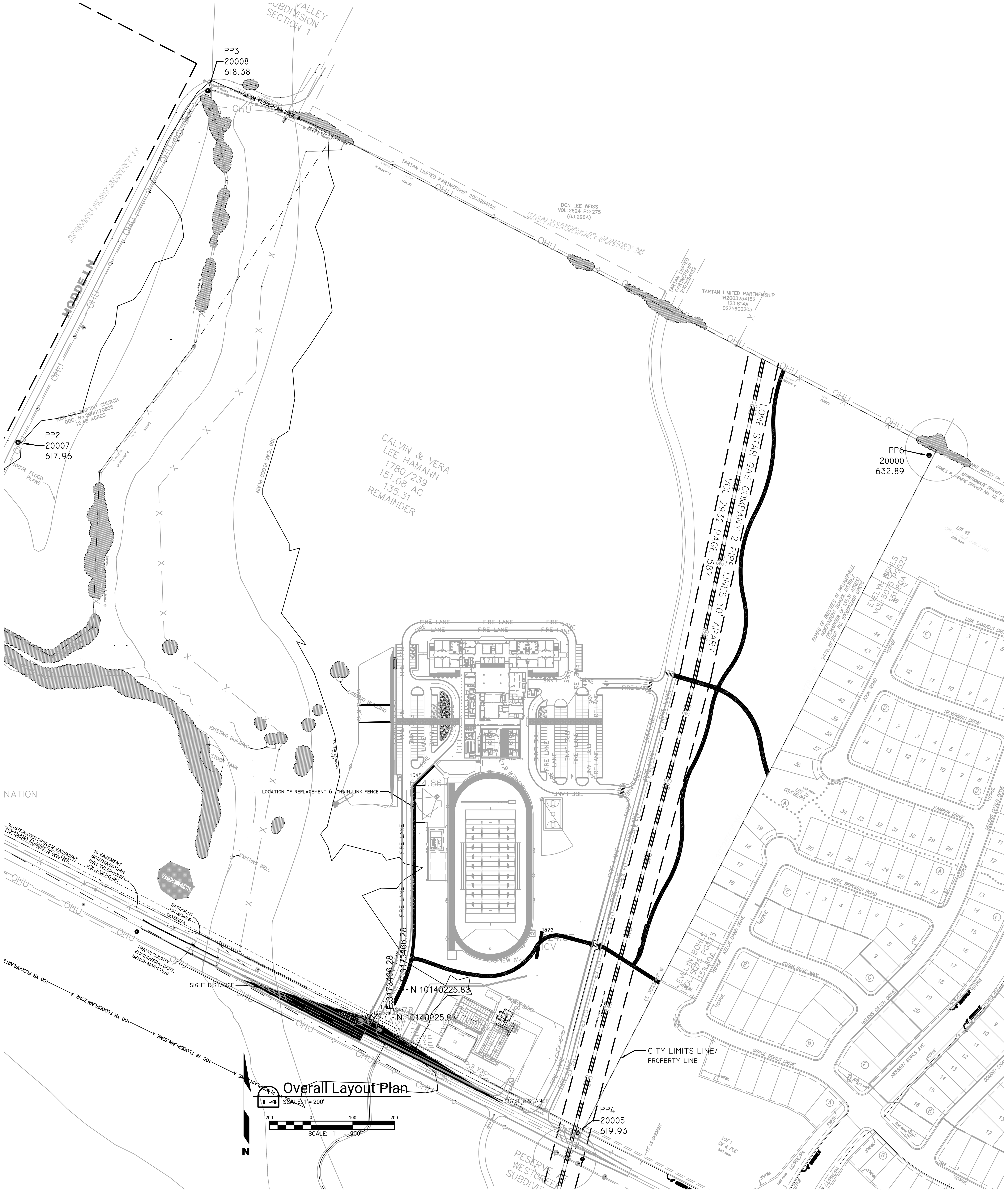
DRAWN:

DATE:

STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER
12-2021

REVISIONS:
..

SHEET NUMBER
17
CN101



Overall Layout Plan
14
SCALE: 1"= 200'

PLAN LEGEND

5 / 19	CONCRETE SIDEWALK
— — — — —	EASEMENT BOUNDARY
100 YR FLOODPLAIN ZONE A	100 YR FLOODPLAIN, ZONE A BOUNDARY

AMERICANS WITH DISABILITIES ACT
THE CITY OF PFLUGERVILLE HAS REVIEWED THIS PLAN FOR COMPLIANCE WITH CITY DEVELOPMENT REGULATIONS ONLY. THE APPLICANT, PROPERTY OWNER, AND OCCUPANT OF THE PREMISES ARE RESPONSIBLE FOR DETERMINING WHETHER THE PLAN COMPLIES WITH ALL OTHER LAWS, REGULATIONS, AND RESTRICTIONS WHICH MAY BE APPLICABLE TO THE PROPERTY AND ITS USE.

SITE INFORMATION

ZONING DISTRICT	A
EXISTING LAND USE	PUBLIC MIDDLE SCHOOL
PROPOSED LAND USE	PUBLIC MIDDLE SCHOOL
LOT SIZE	135.31 acres
MINIMUM SETBACKS	FRONT STREET: 25' SIDE STREET: 15' REAR: 20'
EXISTING BUILDING GFA	96,256 SQ. FT.
PROPOSED BUILDING GFA	96,256 SQ. FT. (NO PROPOSED BUILDING)

PAVING PLAN NOTES

MOISTURE CONDITIONED SUBGRADE
Soil subgrade should be scarified to a depth of six inches, moisture adjusted, and recompacted to at least 95 percent of the maximum dry density as determined by ASTM D 698. Soils should be moisture conditioned to between -3 and +3 percent of optimum moisture content . Care should be taken to insure that the subgrade does not dry out or become saturated prior to pavement construction. Moisture conditioning is not required in exposed limestone subgrade areas.

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CRUSHED LIMESTONE BASE : (aggregate base course)
Base material may be composed of crushed limestone base meeting all of the requirements of the 2004 txdot item 247, type a grade 1 or 2; and should have no more than 15 percent of the material passing the no. 200 sieve. the base should be compacted to at least 95 percent of the maximum dry density as determined by the modified moisture-density relation (ASTM D 1557) at moisture contents ranging between minus three a(-3) and plus three (+3) percentage points of the optimum moisture content. the base shall be place a minimum of 5 foot behind the curb on both sides of the roadway /driveway and parking lots.

Hot Mix Asphaltic Concrete
Asphaltic concrete pavement shall be type "D" hot mix asphalt as defined in TxDOT's standard specifications for TxDOT Standard Specifications For Construction Of Highways, Street and Bridges, 2004.

The asphaltic concrete surface course shall be plant mixed, hot laid type "D" meeting the specification requirements of 2004 TxDOT Item 340. The mix shall be designed for a stability of at least 35 and shall be compacted to between 91 and 95 percent of the maximum theoretical density as determined by TxDOT test method TEX-227-F. The asphalt cement content by percent of total mixture weight shall fall within a tolerance of +05 percent from a specific mix design.

Reinforced Concrete Pavement
The concrete is to have 4,000 psi compressive strength at 28 days. Concrete should be cast and placed within the guidelines set forth by the American concrete institute (ACI).

Curbs and Sidewalks
The concrete is to be Class "A" 3,000 psi compressive strength at 28 days. Concrete should be cast and placed within the guidelines set forth by the American concrete institute (ACI).

ACCESSIBILITY GRADING NOTES

GRADING HAS BEEN DESIGNED TO HANDICAPPED ACCESSIBILITY STANDARD AS REQUIRED BY TEXAS DEPARTMENT OF LICENSING AND REGULATION, ARCHITECTURAL BARRIERS PROGRAM. CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH THE MOST CURRENT TEXAS ACCESSIBILITY STANDARDS AND ADMINISTRATIVE RULES AS PROVIDED IN INTERNET SITE WWW.LICENSE.STATE.TX.US.

CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING HANDICAPPED ACCESSIBLE PATHS FROM HANDICAPPED PARKING SPACES TO ENTRANCES BY CHECKING THAT CROSS SLOPES THAT ARE NOT GREATER THAN 1.75% AND THAT ACCESS AISLE WITH 4.75% MAXIMUM (UP OR DOWN) SLOPE HAVE BEEN PROVIDED.

CONTRACTOR SHALL ISSUE REQUEST FOR INSTRUCTIONS, PRIOR TO CONSTRUCTION, FOR ANY CONDITION WHICH DOES NOT APPEAR TO MEET THE TEXAS DEPARTMENT OF LICENSING AND REGULATION, ARCHITECTURAL BARRIERS PROGRAM REQUIREMENTS.

CONCRETE FLATWORK PLACED AGAINST THE BUILDING SHALL BE A MINIMUM OF 1/2" BELOW THE BRICK WEEP HOLES. HOWEVER, AT ENTRANCES AND DOORWAYS, THE CONCRETE FLATWORK SHALL BE FLUSH WITH THE BUILDING'S CONCRETE FINISH SURFACE. THE CONCRETE FLATWORK SHALL BE SLOPED AT 1:20 MAXIMUM FROM THE BUILDING'S CONCRETE FINISH SURFACE TO ACHIEVE THE REQUIRED "CLEARANCE" BELOW THE BRICK WEEP HOLES.

CONCRETE FLATWORK AT ENTRANCES AND DOORWAYS SHALL BE ANCHORED WITH 20" LONG #4 SMOOTH DOWELS AT 12" O.C. AND DRILLED A MINIMUM OF 8" INTO BUILDING'S CONCRETE FOUNDATION.

IT IS THE INTENT OF THE GRADING SHOWN TO SLOPE THE GROUNDTHAT IS IMMEDIATELY ADJACENT TO THE BUILDING'S FOUNDATION BE SLOPED AWAY FROM THE BUILDING AT A SLOPE NOT LESS THAN 5% (1 UNIT VERTICAL TO 20 UNITS HORIZONTAL) FOR A MINIMUM DISTANCE OF 10 FEET (MEASURED PERPENDICULAR TO THE BUILDING AT ALL POINTS). ALL SIDEWALKS AND OTHER IMPERVIOUS COVERED AREAS, WHERE SPOT ELEVATIONS ARE NOT GIVEN, SHALL BE SLOPED A MINIMUM OF 2% (1 UNIT VERTICAL TO 50 HORIZONTAL) FOR THE SAME 10 FEET.

Point Table

Point #	Elevation	Northing	Easting	Description
10000	614.91	10140885.43	3172083.36	CONTROL 1
20008	618.38	10143200.60	3173020.55	PP3
20005	619.93	10139865.32	3174203.33	PP4
20001	637.89	10140855.57	3174726.24	PP5
20000	632.89	10142033.44	3175329.02	PP6

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Texas Registered Surveying Firm 10022600
Texas Registered Engineering Firm F-1186

PROJECT TITLE: PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:OVERALL LAYOUT PLAN

DRAWN:

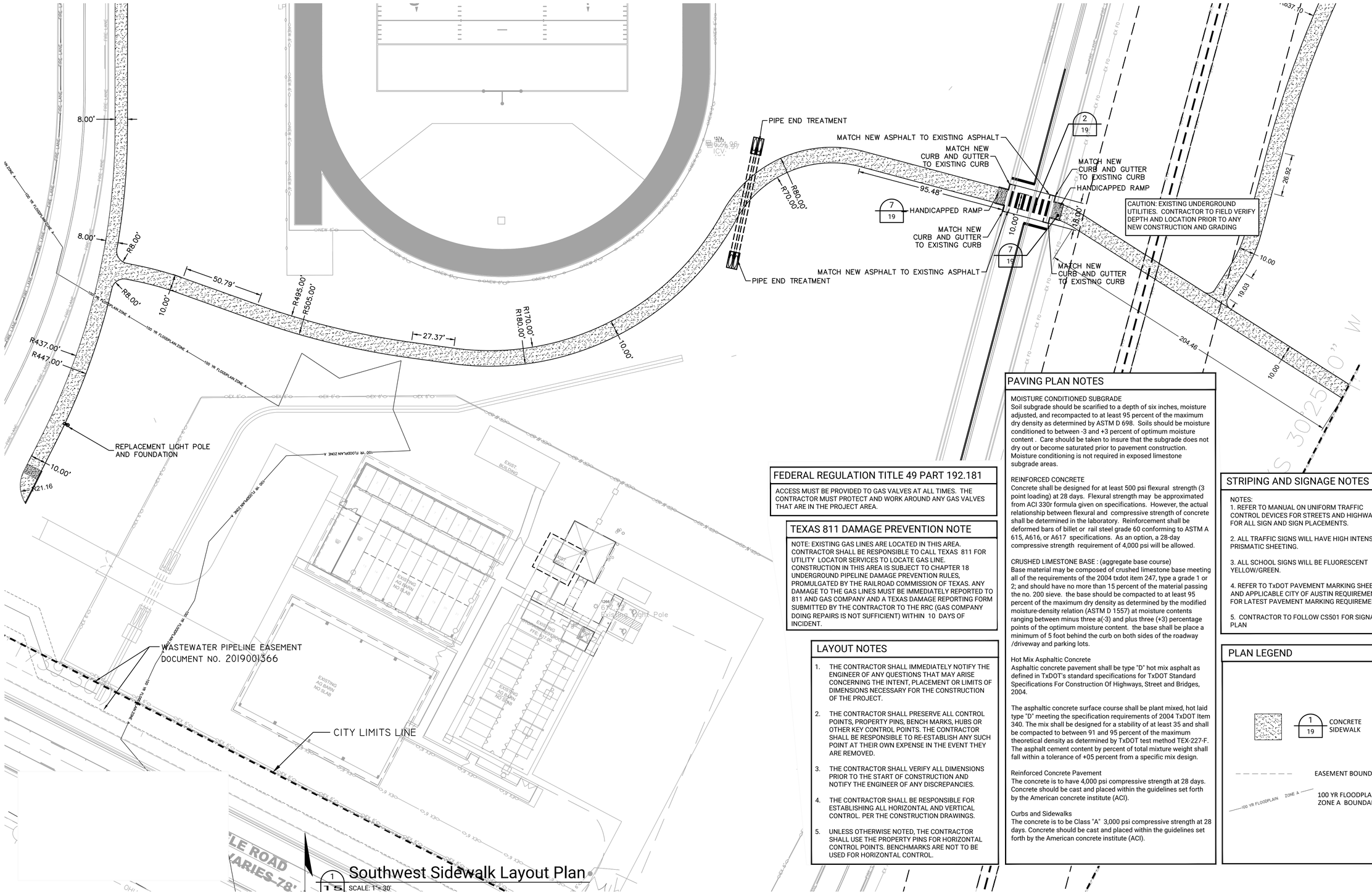
DATE:----

STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER
12-22-2021

REVISIONS:
..

SHEET NUMBER

14



FEDERAL REGULATION 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.

TEXAS 811 DAMAGE PREVENTION NOTE

NOTE: EXISTING GAS LINES ARE LOCATED IN THIS AREA. CONTRACTOR SHALL BE RESPONSIBLE TO CALL TEXAS 811 FOR UTILITY LOCATOR SERVICES TO LOCATE GAS LINE. CONSTRUCTION IN THIS AREA IS SUBJECT TO CHAPTER 18 UNDERGROUND PIPELINE DAMAGE PREVENTION RULES, PROMULGATED BY THE RAILROAD COMMISSION OF TEXAS. ANY DAMAGE TO THE GAS LINES MUST BE IMMEDIATELY REPORTED TO 811 AND GAS COMPANY AND A TEXAS DAMAGE REPORTING FORM SUBMITTED BY THE CONTRACTOR TO THE RRC (GAS COMPANY DOING REPAIRS IS NOT SUFFICIENT) WITHIN 10 DAYS OF INCIDENT.

LAYOUT NOTES

1. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY QUESTIONS THAT MAY ARISE CONCERNING THE INTENT, PLACEMENT OR LIMITS OF DIMENSIONS NECESSARY FOR THE CONSTRUCTION OF THE PROJECT.
2. THE CONTRACTOR SHALL PRESERVE ALL CONTROL POINTS, PROPERTY PINS, BENCH MARKS, HUBS OR OTHER KEY CONTROL POINTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO RE-ESTABLISH ANY SUCH POINT AT THEIR OWN EXPENSE IN THE EVENT THEY ARE REMOVED.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO THE START OF CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING ALL HORIZONTAL AND VERTICAL CONTROL. PER THE CONSTRUCTION DRAWINGS.
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PAVING PLAN NOTES

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Soil subgrade should be scarified to a depth of six inches, moisture adjusted, and recompacted to at least 95 percent of the maximum dry density as determined by ASTM D 698. Soils should be moisture conditioned to between -3 and +3 percent of optimum moisture content . Care should be taken to insure that the subgrade does not dry out or become saturated prior to pavement construction. Moisture conditioning is not required in exposed limestone subgrade areas.

REINFORCED CONCRETE
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CRUSHED LIMESTONE BASE : (aggregate base course)
Base material may be composed of crushed limestone base meeting all of the requirements of the 2004 txdot item 247, type a grade 1 or 2; and should have no more than 15 percent of the material passing the no. 200 sieve. the base should be compacted to at least 95 percent of the maximum dry density as determined by the modified moisture-density relation (ASTM D 1557) at moisture contents ranging between minus three a(-3) and plus three (+3) percentage points of the optimum moisture content. the base shall be place a minimum of 5 foot behind the curb on both sides of the roadway /driveway and parking lots.

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Reinforced Concrete Pavement
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STRIPING AND SIGNAGE NOTES

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2. ALL TRAFFIC SIGNS WILL HAVE HIGH INTENSITY PRISMATIC SHEETING.

3. ALL SCHOOL SIGNS WILL BE FLUORESCENT YELLOW/GREEN.

4. REFER TO TxDOT PAVEMENT MARKING SHEETS AND APPLICABLE CITY OF AUSTIN REQUIREMENTS FOR LATEST PAVEMENT MARKING REQUIREMENTS

5. CONTRACTOR TO FOLLOW CS501 FOR SIGNAGE PLAN

PLAN LEGEND

1 / 19 CONCRETE SIDEWALK

EASEMENT BOUNDARY

100 YR FLOODPLAIN, ZONE A BOUNDARY

AMERICANS WITH DISABILITIES ACT
THE CITY OF PFLUGERVILLE HAS REVIEWED THIS PLAN FOR COMPLIANCE WITH CITY DEVELOPMENT REGULATIONS ONLY. THE APPLICANT, PROPERTY OWNER, AND OCCUPANT OF THE PREMISES ARE RESPONSIBLE FOR DETERMINING WHETHER THE PLAN COMPLIES WITH ALL OTHER LAWS, REGULATIONS, AND RESTRICTIONS WHICH MAY BE APPLICABLE TO THE PROPERTY AND ITS USE.

GIL ENGINEERING
CONSULTING ENGINEERS - PLANNERS - SURVEYORS - DESIGNERS
504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Surveying Firm 100226500
Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:SOUTHWEST SIDEWALK LAYOUT PLAN

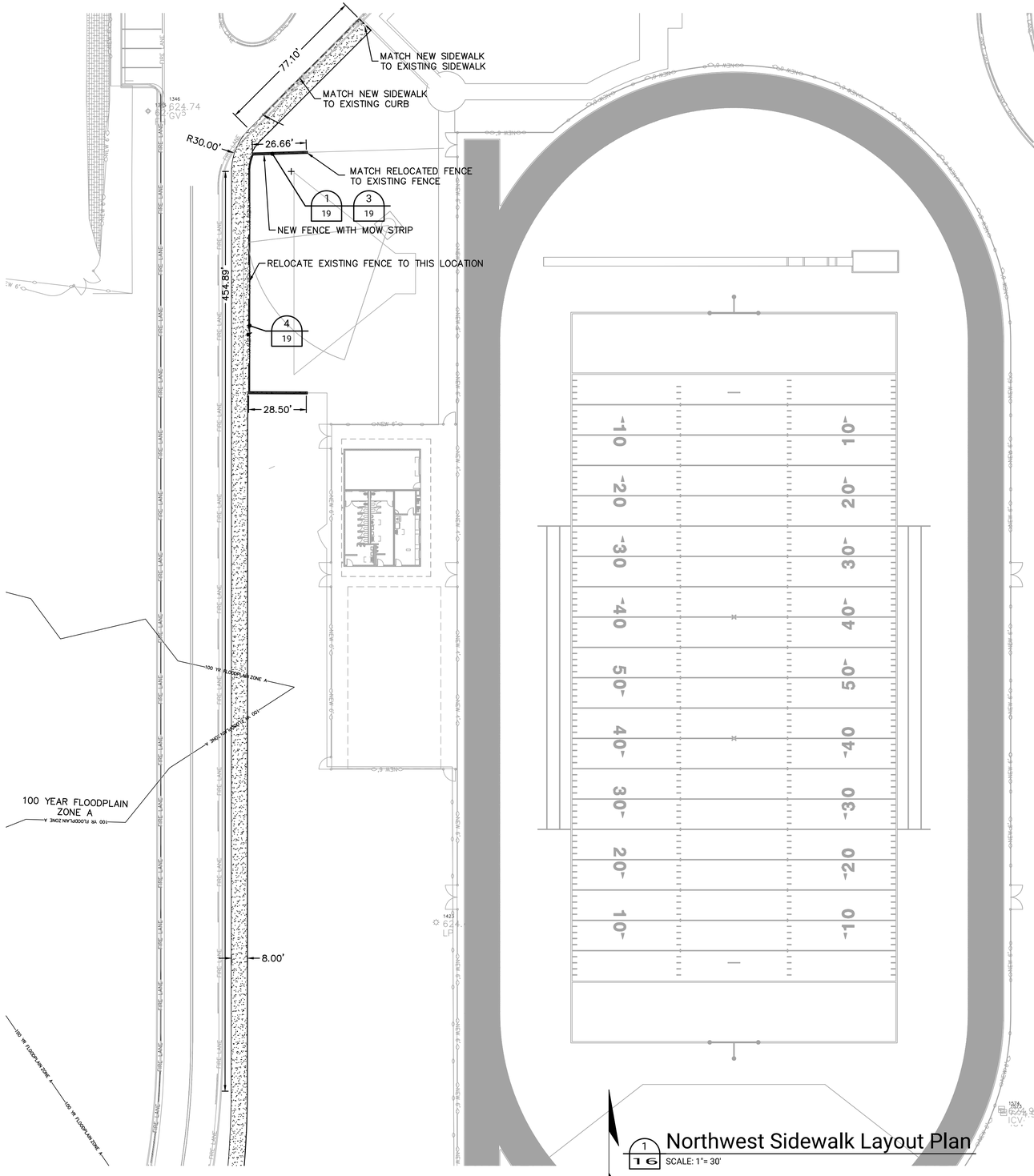
DATE:----

DRAWN:

STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER
12-2021

REVISIONS:
..

SHEET NUMBER



1 / 16 Northwest Sidewalk Layout Plan

SCALE: 1"= 30'

30 0 30 60

SCALE: 1" = 30'

N

AMERICANS WITH DISABILITIES ACT

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PLAN LEGEND

5/19 CONCRETE SIDEWALK

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TEXAS 811 DAMAGE PREVENTION NOTE

NOTE: EXISTING GAS LINES ARE LOCATED IN THIS AREA. CONTRACTOR SHALL BE RESPONSIBLE TO CALL TEXAS 811 FOR UTILITY LOCATOR SERVICES TO LOCATE GAS LINE. CONSTRUCTION IN THIS AREA IS SUBJECT TO CHAPTER 18 UNDERGROUND PIPELINE DAMAGE PREVENTION RULES, PROMULGATED BY THE RAILROAD COMMISSION OF TEXAS. ANY DAMAGE TO THE GAS LINES MUST BE IMMEDIATELY REPORTED TO 811 AND GAS COMPANY AND A TEXAS DAMAGE REPORTING FORM SUBMITTED BY THE CONTRACTOR TO THE RRC (GAS COMPANY DOING REPAIRS IS NOT SUFFICIENT) WITHIN 10 DAYS OF INCIDENT.

FEDERAL REGULATION 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.

GIL ENGINEERING
CONSULTING ENGINEERS - PLANNERS - SURVEYORS - DESIGNERS
504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Surveying Firm 10022600
Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:NORTHWEST SIDEWALK LAYOUT PLAN

DRAWN:

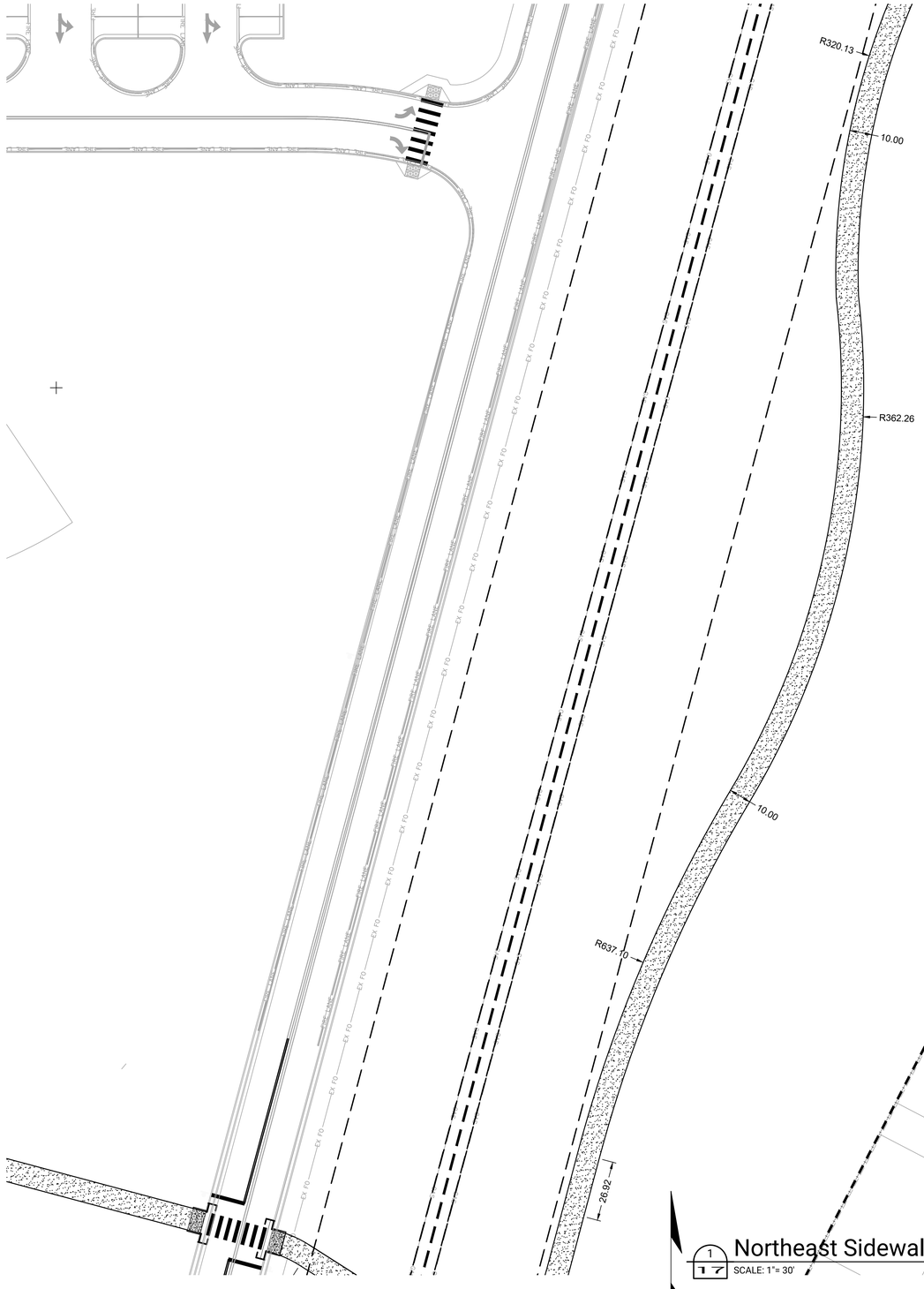
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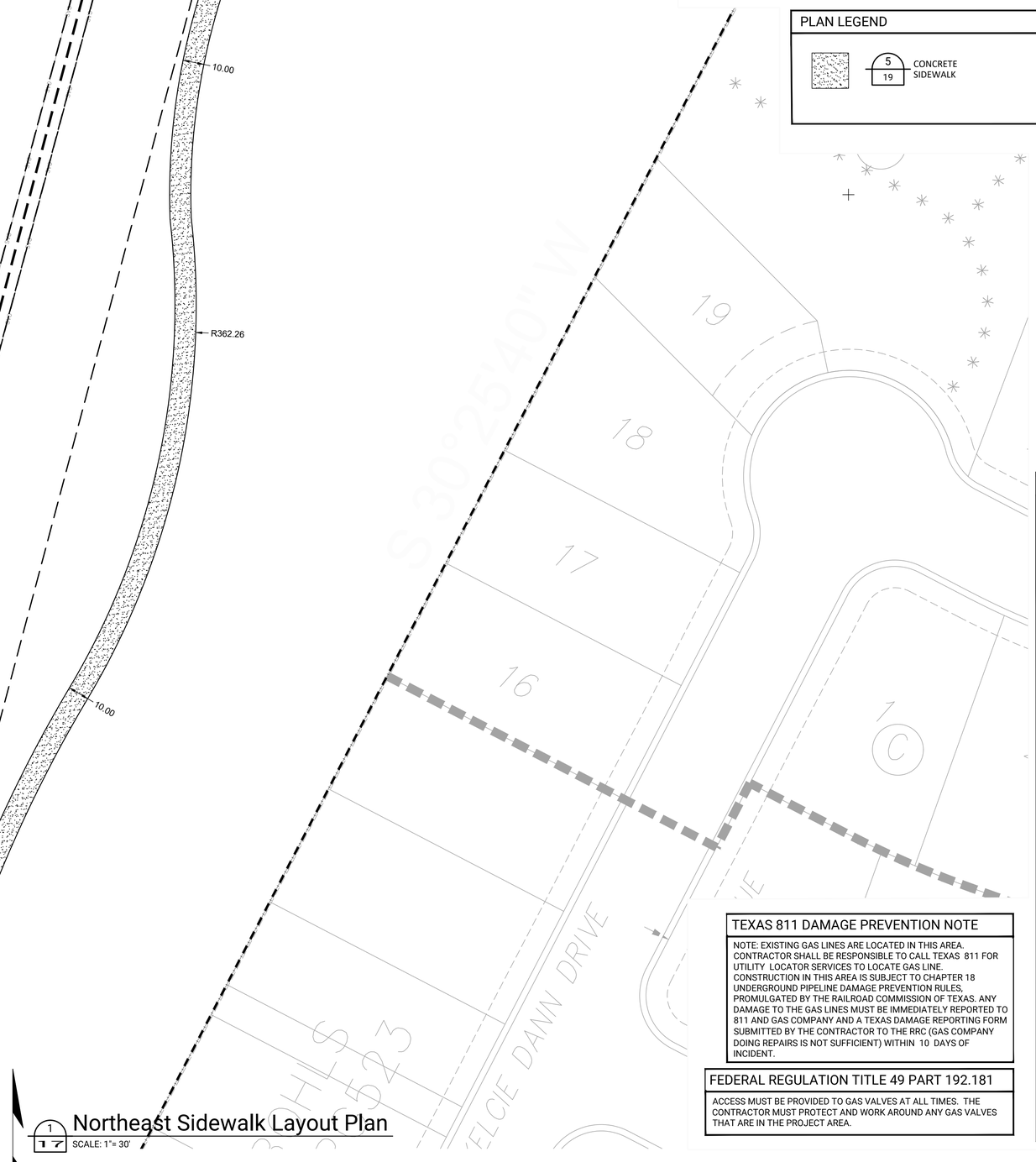
STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER

REVISIONS:
..

SHEET NUMBER

16





1
17
Northeast Sidewalk Layout Plan
SCALE: 1"= 30'

30 0 30 60
SCALE: 1" = 30'

N

AMERICANS WITH DISABILITIES ACT
THE CITY OF PFLUGERVILLE HAS REVIEWED THIS PLAN FOR COMPLIANCE WITH CITY DEVELOPMENT REGULATIONS ONLY. THE APPLICANT, PROPERTY OWNER, AND OCCUPANT OF THE PREMISES ARE RESPONSIBLE FOR DETERMINING WHETHER THE PLAN COMPLIES WITH ALL OTHER LAWS, REGULATIONS, AND RESTRICTIONS WHICH MAY BE APPLICABLE TO THE PROPERTY AND ITS USE.

PLAN LEGEND

5/19 CONCRETE SIDEWALK

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FEDERAL REGULATION TITLE 49 PART 192.181

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PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Surveying Firm 10022600
Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:NORTHEAST SIDEWALK LAYOUT PLAN

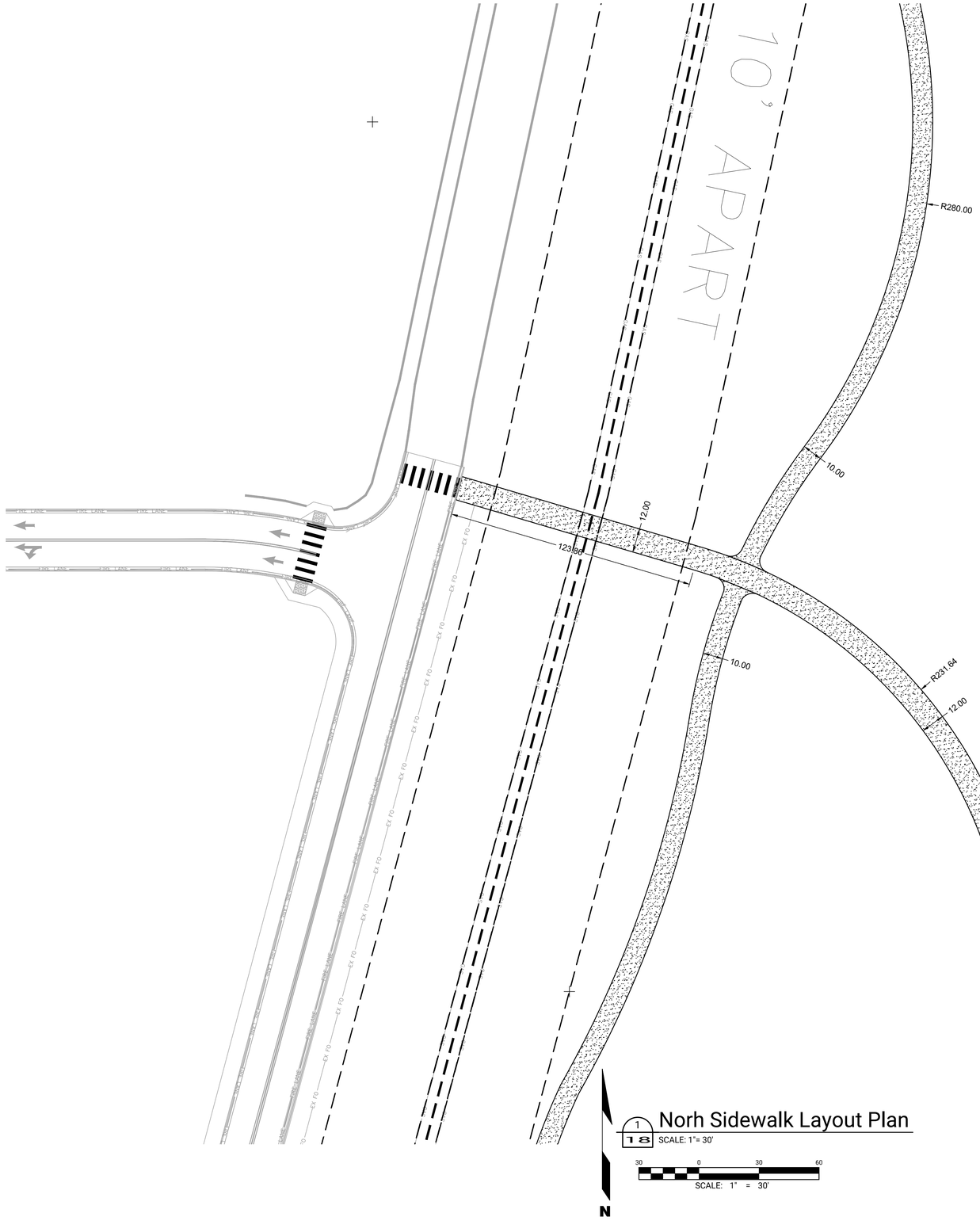
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DATE:----

STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED PROFESSIONAL ENGINEER

REVISIONS:
..

SHEET NUMBER



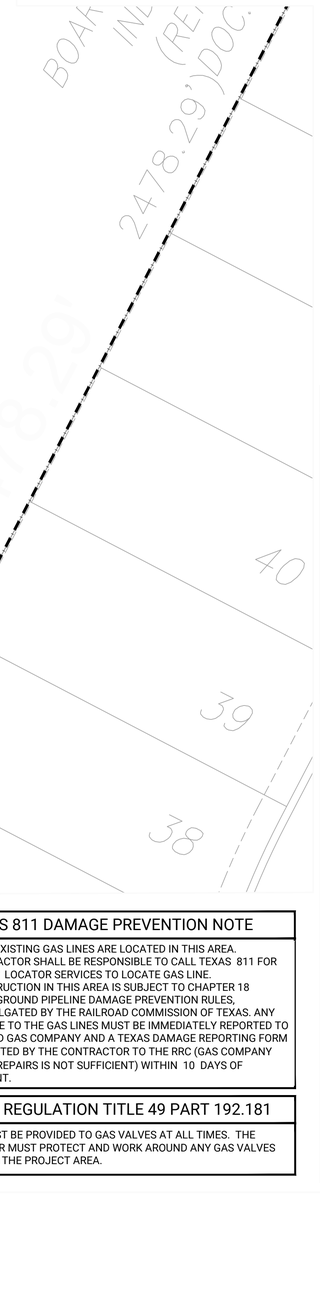
1
18
Norh Sidewalk Layout Plan
SCALE: 1"= 30'

30 0 30 60
SCALE: 1" = 30'

AMERICANS WITH DISABILITIES ACT
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PLAN LEGEND

5
19
CONCRETE SIDEWALK



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PHONE (512) 835-4203 FAX (512) 835-4407
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PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:NORH SIDEWALK LAYOUT PLAN

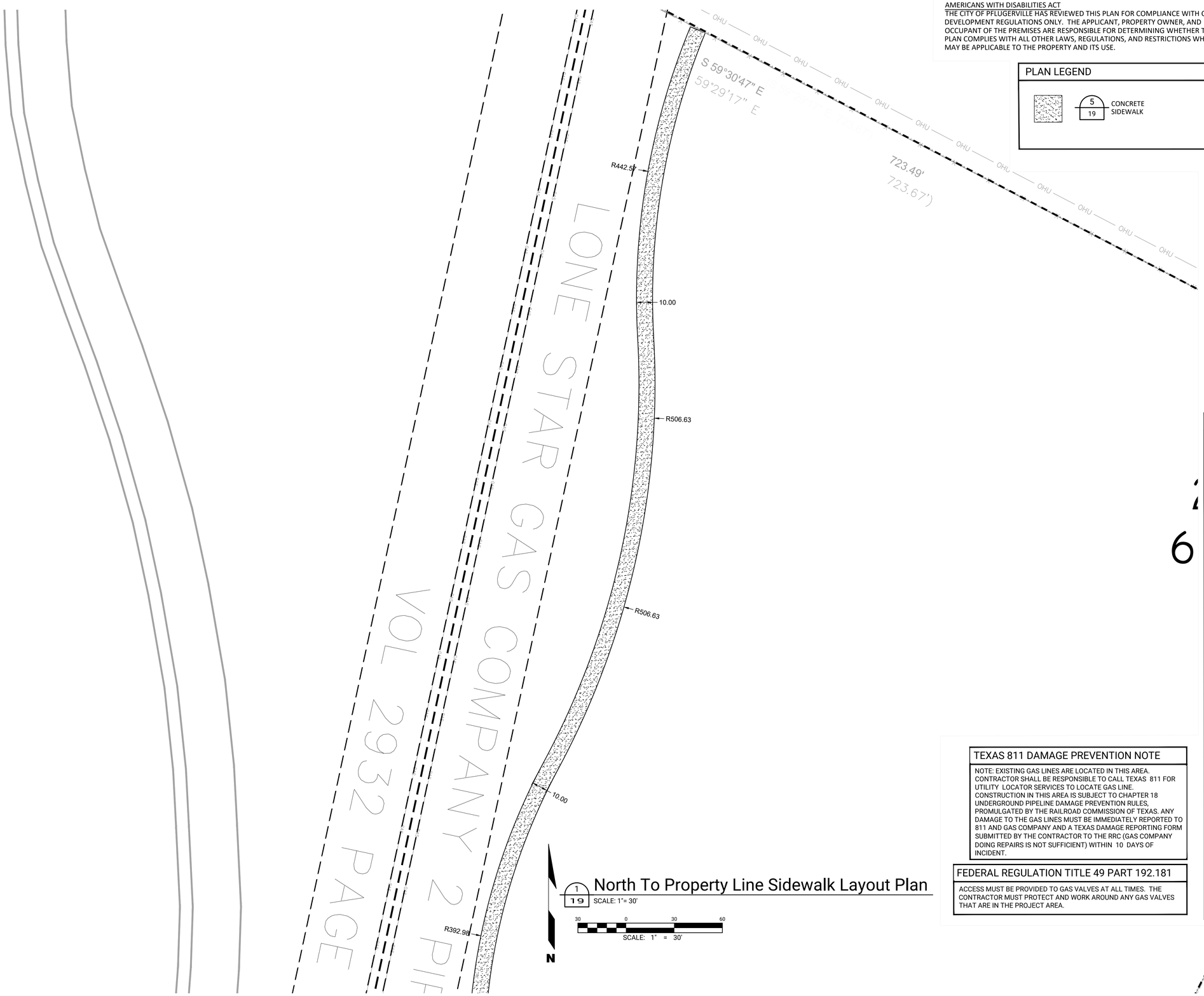
DRAWN:

DATE:----

STATE OF TEXAS
VICTOR M. GIL
94564
LICENSED
PROFESSIONAL ENGINEER
10-17-21

REVISIONS:
..

SHEET NUMBER



1 / 19 North To Property Line Sidewalk Layout Plan

SCALE: 1"= 30'

30 0 30 60

SCALE: 1" = 30'

AMERICANS WITH DISABILITIES ACT

THE CITY OF PFLUGERVILLE HAS REVIEWED THIS PLAN FOR COMPLIANCE WITH CITY DEVELOPMENT REGULATIONS ONLY. THE APPLICANT, PROPERTY OWNER, AND OCCUPANT OF THE PREMISES ARE RESPONSIBLE FOR DETERMINING WHETHER THE PLAN COMPLIES WITH ALL OTHER LAWS, REGULATIONS, AND RESTRICTIONS WHICH MAY BE APPLICABLE TO THE PROPERTY AND ITS USE.

PLAN LEGEND

5/19 CONCRETE SIDEWALK

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MOISTURE CONDITIONED SUBGRADE
Soil subgrade should be scarified to a depth of six inches, moisture adjusted, and recompacted to at least 95 percent of the maximum dry density as determined by ASTM D 698. Soils should be moisture conditioned to between -3 and +3 percent of optimum moisture content . Care should be taken to insure that the subgrade does not dry out or become saturated prior to pavement construction. Moisture conditioning is not required in exposed limestone subgrade areas.

REINFORCED CONCRETE
Concrete shall be designed for at least 500 psi flexural strength (3 point loading) at 28 days. Flexural strength may be approximated from ACI 330r formula given on specifications. However, the actual relationship between flexural and compressive strength of concrete shall be determined in the laboratory. Reinforcement shall be deformed bars of billet or rail steel grade 60 conforming to ASTM A 615, A616, or A617 specifications. As an option, a 28-day compressive strength requirement of 4,000 psi will be allowed.

CRUSHED LIMESTONE BASE : (aggregate base course)
Base material may be composed of crushed limestone base meeting all of the requirements of the 2004 txdot item 247, type a grade 1 or 2; and should have no more than 15 percent of the material passing the no. 200 sieve. the base should be compacted to at least 95 percent of the maximum dry density as determined by the modified moisture-density relation (ASTM D 1557) at moisture contents ranging between minus three a(-3) and plus three (+3) percentage points of the optimum moisture content. the base shall be place a minimum of 5 foot behind the curb on both sides of the roadway /driveway and parking lots.

Hot Mix Asphaltic Concrete
Asphaltic concrete pavement shall be type "D" hot mix asphalt as defined in TxDOT's standard specifications for TxDOT Standard Specifications For Construction Of Highways, Street and Bridges, 2004.

The asphaltic concrete surface course shall be plant mixed, hot laid type "D" meeting the specification requirements of 2004 TxDOT Item 340. The mix shall be designed for a stability of at least 35 and shall be compacted to between 91 and 95 percent of the maximum theoretical density as determined by TxDOT test method TEX-227-F. The asphalt cement content by percent of total mixture weight shall fall within a tolerance of +05 percent from a specific mix design.

Reinforced Concrete Pavement
The concrete is to have 4,000 psi compressive strength at 28 days. Concrete should be cast and placed within the guidelines set forth by the American concrete institute (ACI).

Curbs and Sidewalks
The concrete is to be Class "A" 3,000 psi compressive strength at 28 days. Concrete should be cast and placed within the guidelines set forth by the American concrete institute (ACI).

TEXAS 811 DAMAGE PREVENTION NOTE

NOTE: EXISTING GAS LINES ARE LOCATED IN THIS AREA. CONTRACTOR SHALL BE RESPONSIBLE TO CALL TEXAS 811 FOR UTILITY LOCATOR SERVICES TO LOCATE GAS LINE. CONSTRUCTION IN THIS AREA IS SUBJECT TO CHAPTER 18 UNDERGROUND PIPELINE DAMAGE PREVENTION RULES, PROMULGATED BY THE RAILROAD COMMISSION OF TEXAS. ANY DAMAGE TO THE GAS LINES MUST BE IMMEDIATELY REPORTED TO 811 AND GAS COMPANY AND A TEXAS DAMAGE REPORTING FORM SUBMITTED BY THE CONTRACTOR TO THE RRC (GAS COMPANY DOING REPAIRS IS NOT SUFFICIENT) WITHIN 10 DAYS OF INCIDENT.

FEDERAL REGULATION 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.

GIL ENGINEERING
CONSULTING ENGINEERS - PLANNERS - SURVEYORS - DESIGNERS
504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Surveying Firm 100726500
Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

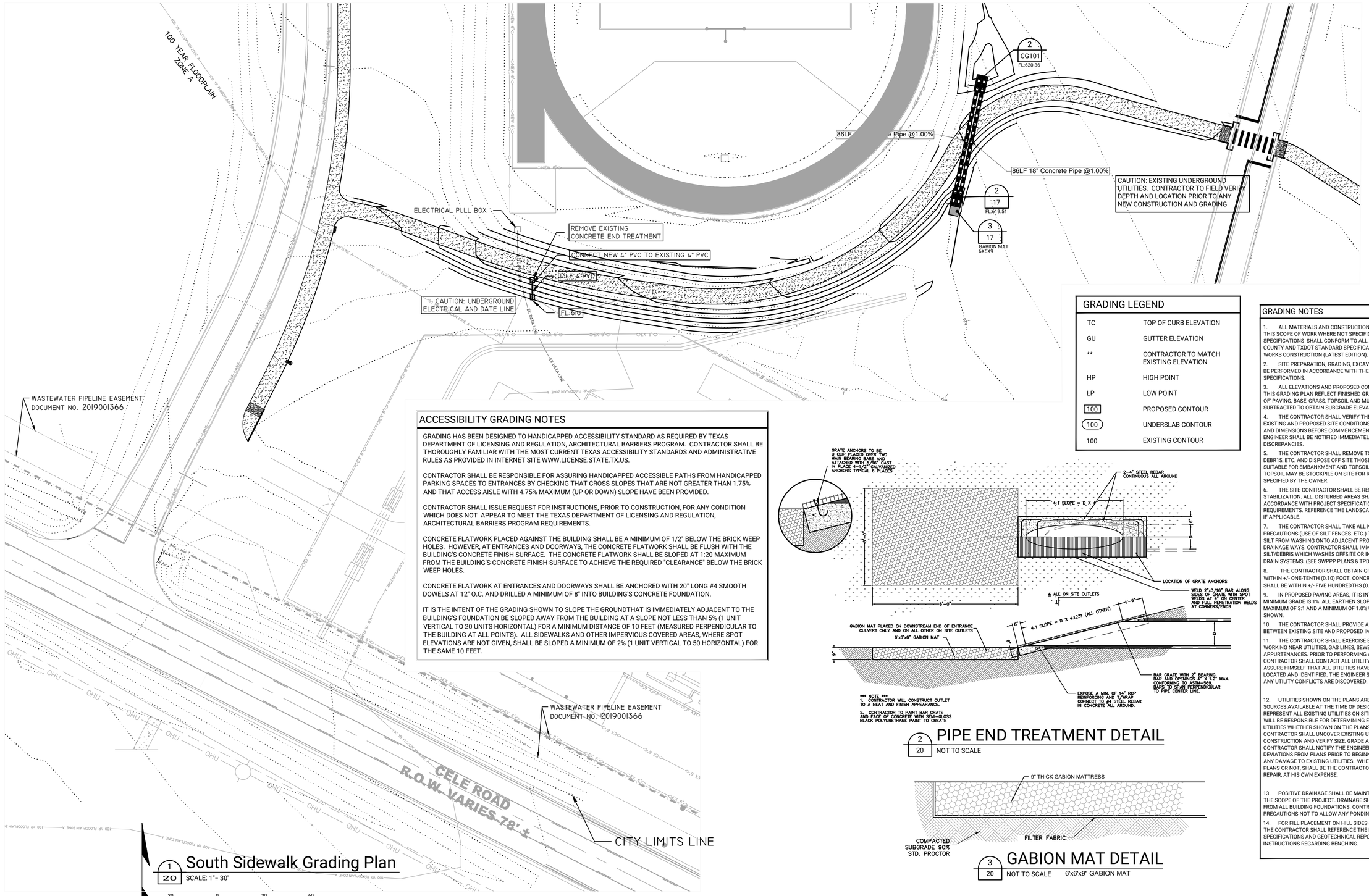
SHEET TITLE:NORTH TO PROPERTY LINE SIDEWALK LAYOUT PLAN

DRAWN: DATE:----

STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER
12-2021

REVISIONS:
..

SHEET NUMBER
19



1 20 South Sidewalk Grading Plan
SCALE: 1"= 30'

SCALE: 1" = 30'

ACCESSIBILITY GRADING NOTES

GRADING HAS BEEN DESIGNED TO HANDICAPPED ACCESSIBILITY STANDARD AS REQUIRED BY TEXAS DEPARTMENT OF LICENSING AND REGULATION, ARCHITECTURAL BARRIERS PROGRAM. CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH THE MOST CURRENT TEXAS ACCESSIBILITY STANDARDS AND ADMINISTRATIVE RULES AS PROVIDED IN INTERNET SITE WWW.LICENSE.STATE.TX.US.

CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING HANDICAPPED ACCESSIBLE PATHS FROM HANDICAPPED PARKING SPACES TO ENTRANCES BY CHECKING THAT CROSS SLOPES THAT ARE NOT GREATER THAN 1.75% AND THAT ACCESS AISLE WITH 4.75% MAXIMUM (UP OR DOWN) SLOPE HAVE BEEN PROVIDED.

CONTRACTOR SHALL ISSUE REQUEST FOR INSTRUCTIONS, PRIOR TO CONSTRUCTION, FOR ANY CONDITION WHICH DOES NOT APPEAR TO MEET THE TEXAS DEPARTMENT OF LICENSING AND REGULATION, ARCHITECTURAL BARRIERS PROGRAM REQUIREMENTS.

CONCRETE FLATWORK PLACED AGAINST THE BUILDING SHALL BE A MINIMUM OF 1/2" BELOW THE BRICK WEEP HOLES. HOWEVER, AT ENTRANCES AND DOORWAYS, THE CONCRETE FLATWORK SHALL BE FLUSH WITH THE BUILDING'S CONCRETE FINISH SURFACE. THE CONCRETE FLATWORK SHALL BE SLOPED AT 1:20 MAXIMUM FROM THE BUILDING'S CONCRETE FINISH SURFACE TO ACHIEVE THE REQUIRED "CLEARANCE" BELOW THE BRICK WEEP HOLES.

CONCRETE FLATWORK AT ENTRANCES AND DOORWAYS SHALL BE ANCHORED WITH 20" LONG #4 SMOOTH DOWELS AT 12" O.C. AND DRILLED A MINIMUM OF 8" INTO BUILDING'S CONCRETE FOUNDATION.

IT IS THE INTENT OF THE GRADING SHOWN TO SLOPE THE GROUNDTHAT IS IMMEDIATELY ADJACENT TO THE BUILDING'S FOUNDATION BE SLOPED AWAY FROM THE BUILDING AT A SLOPE NOT LESS THAN 5% (1 UNIT VERTICAL TO 20 UNITS HORIZONTAL) FOR A MINIMUM DISTANCE OF 10 FEET (MEASURED PERPENDICULAR TO THE BUILDING AT ALL POINTS). ALL SIDEWALKS AND OTHER IMPERVIOUS COVERED AREAS, WHERE SPOT ELEVATIONS ARE NOT GIVEN, SHALL BE SLOPED A MINIMUM OF 2% (1 UNIT VERTICAL TO 50 HORIZONTAL) FOR THE SAME 10 FEET.

GRADING LEGEND

TC	TOP OF CURB ELEVATION
GU	GUTTER ELEVATION
**	CONTRACTOR TO MATCH EXISTING ELEVATION
HP	HIGH POINT
LP	LOW POINT
100	PROPOSED CONTOUR
100	UNDERSLAB CONTOUR
100	EXISTING CONTOUR

GRADING NOTES

1. ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THIS SCOPE OF WORK WHERE NOT SPECIFICALLY COVERED IN THE SPECIFICATIONS SHALL CONFORM TO ALL APPLICABLE CITY, COUNTY AND TXDOT STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION).
2. SITE PREPARATION, GRADING, EXCAVATION AND FILL SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
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. THE CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS INCLUDING GRADES AND DIMENSIONS BEFORE COMMENCEMENT OF CONSTRUCTION. ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES.
5. THE CONTRACTOR SHALL REMOVE TOP SOIL, GRASS, ROOTS, DEBRIS, ETC. AND DISPOSE OFF SITE THOSE MATERIALS NOT SUITABLE FOR EMBANKMENT AND TOPSOIL CLEAN STRIPPING AND TOPSOIL MAY BE STOCKPILE ON SITE FOR REUSE IN A LOCATION SPECIFIED BY THE OWNER.
6. 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.
7. 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).
8. THE CONTRACTOR SHALL OBTAIN GRADES SHOWN HERE ON WITHIN +/- ONE-TENTH (0.10) FOOT. CONCRETE OR PAVED AREAS SHALL BE WITHIN +/- FIVE HUNDREDTHS (0.05) FOOT.
9. IN PROPOSED PAVING AREAS, IT IS INTENDED THAT THE MINIMUM GRADE IS 1%. ALL EARTHEN SLOPES SHALL BE A MAXIMUM OF 3:1 AND A MINIMUM OF 1.0% UNLESS OTHERWISE SHOWN.
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12. UTILITIES SHOWN ON THE PLANS ARE FROM INFORMATION SOURCES AVAILABLE AT THE TIME OF DESIGN BUT MAY NOT REPRESENT ALL EXISTING UTILITIES ON SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR DETERMINING EXACT LOCATION OF ALL UTILITIES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES PRIOR TO CONSTRUCTION AND VERIFY SIZE, GRADE AND LOCATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DEVIATIONS FROM PLANS PRIOR TO BEGINNING CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES. WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE THE CONTRACTORS RESPONSIBILITY TO REPAIR, AT HIS OWN EXPENSE.
13. POSITIVE DRAINAGE SHALL BE MAINTAINED THROUGHOUT THE SCOPE OF THE PROJECT. DRAINAGE SHALL BE DIRECTED AWAY FROM ALL BUILDING FOUNDATIONS. CONTRACTOR SHOULD TAKE PRECAUTIONS NOT TO ALLOW ANY PONDING OF WATER.
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.

2 20 PIPE END TREATMENT DETAIL
NOT TO SCALE

3 20 GABION MAT DETAIL
NOT TO SCALE 6'x6'x9" GABION MAT

GIL ENGINEERING
CONSULTING ENGINEERS - PLANNERS - SURVEYORS - DESIGNERS
504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Surveying Firm 100226500
Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

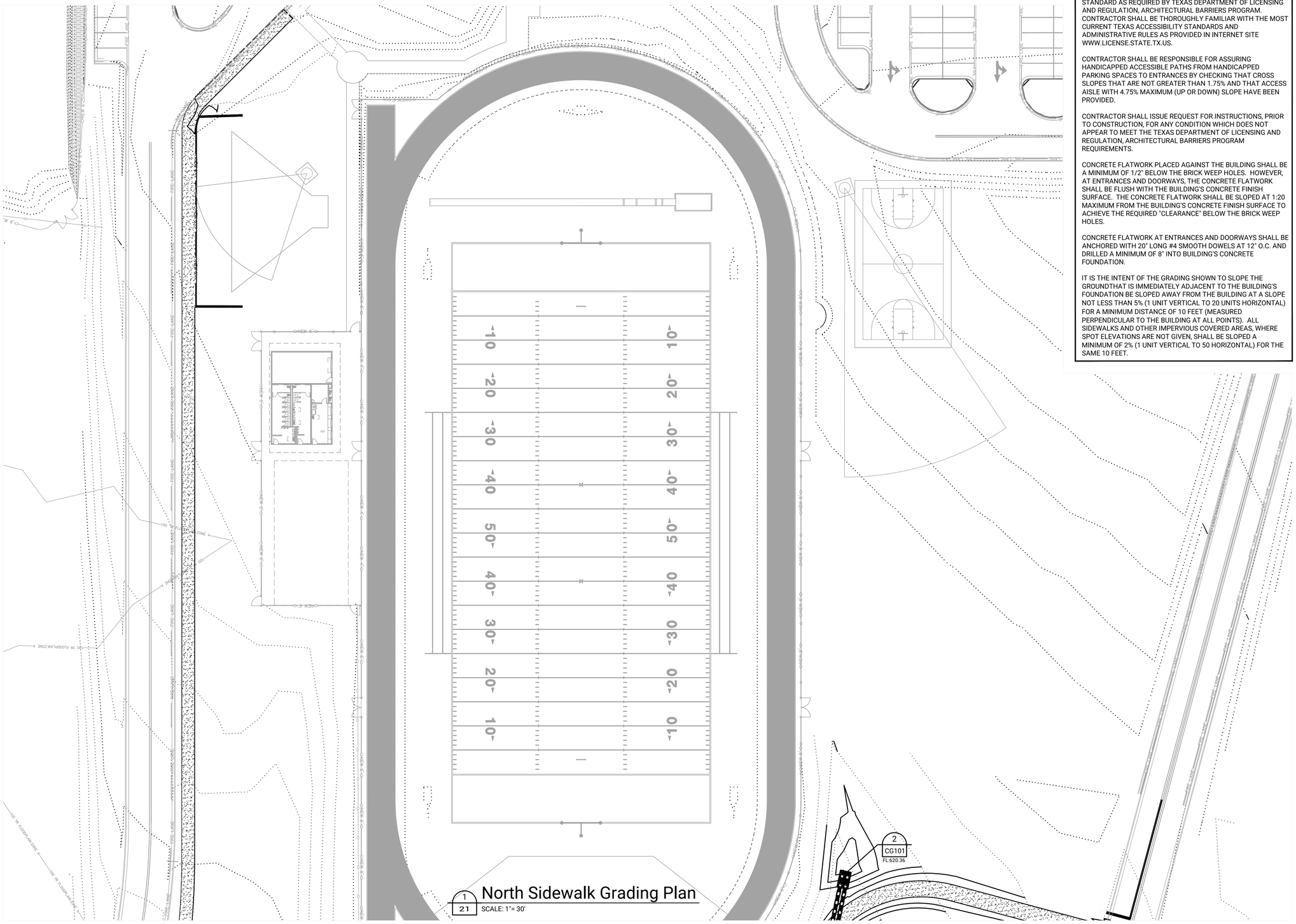
SHEET TITLE: SOUTH SIDEWALK GRADING PLAN

DRAWN: DATE: ----

STATE OF TEXAS
VICTOR M. GIL
94594
LICENSED
PROFESSIONAL ENGINEER

REVISIONS:
..

SHEET NUMBER
20



1 / 21 North Sidewalk Grading Plan

SCALE: 1"= 30'

30 0 30 60

SCALE: 1" = 30'

ACCESSIBILITY GRADING NOTES

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GRADING LEGEND

TC	TOP OF CURB ELEVATION
GU	GUTTER ELEVATION
**	CONTRACTOR TO MATCH EXISTING ELEVATION
HP	HIGH POINT
LP	LOW POINT
100	PROPOSED CONTOUR
100	UNDERSLAB CONTOUR
100	EXISTING CONTOUR

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504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Engineering Firm F-1186
Texas Registered Surveying Firm 100726500

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:NORTH SIDEWALK GRADING PLAN

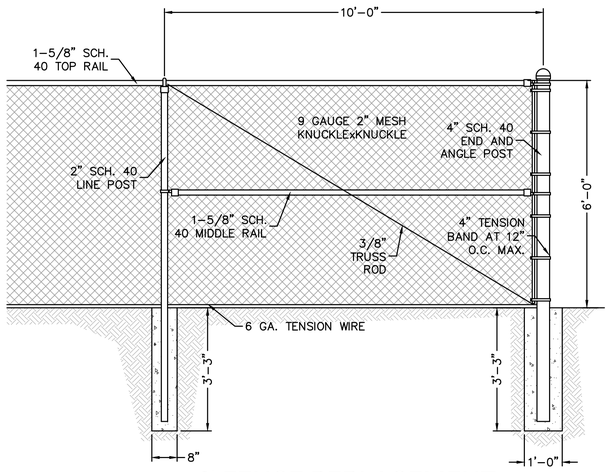
DRAWN:

DATE:----

STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER
12-22-21

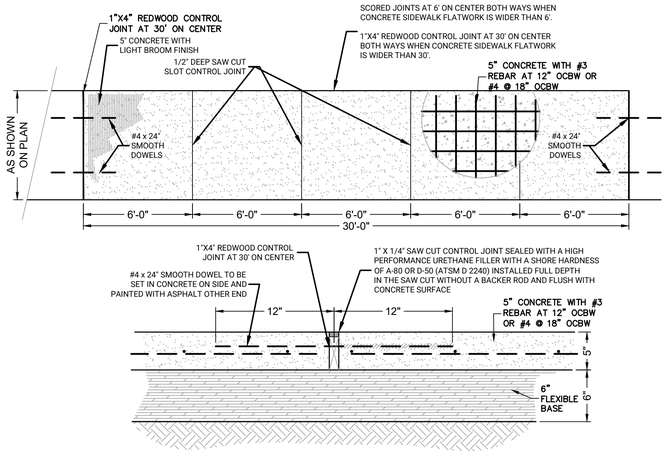
REVISIONS:
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SHEET NUMBER



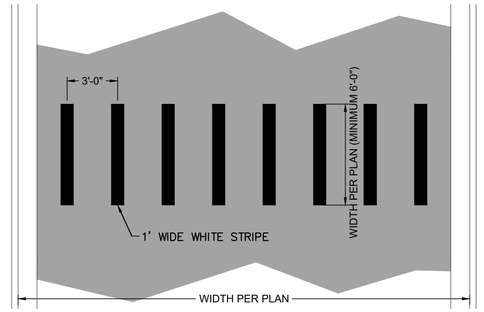
1 22 **6' FENCE REPLACEMENT**

NOT TO SCALE



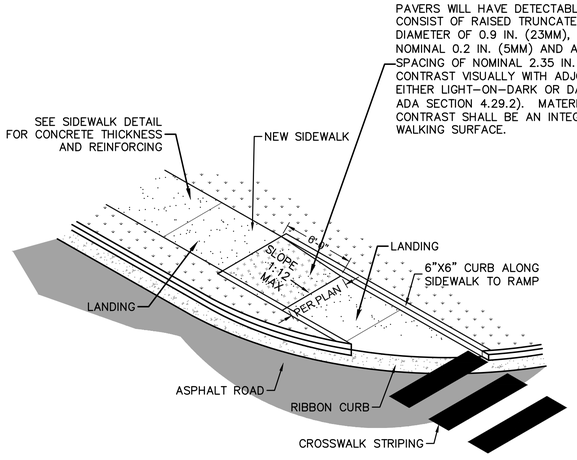
5 22 **SIDEWALK DETAILS**

NOT TO SCALE



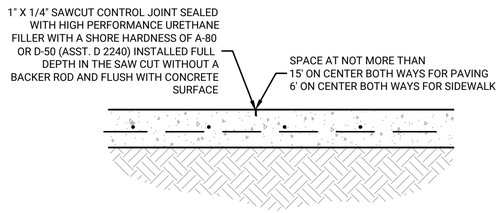
2 22 **PEDESTRIAN CROSSING**

NOT TO SCALE



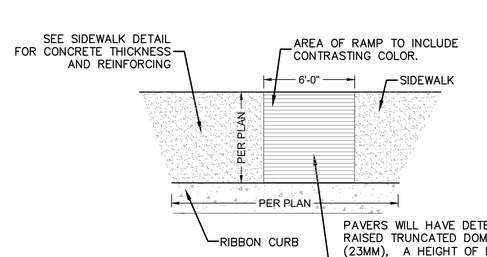
6 22 **TYPE C HANDICAPPED RAMP**

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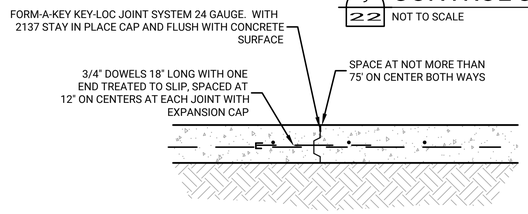
9 22 **CONTROL JOINT**

NOT TO SCALE



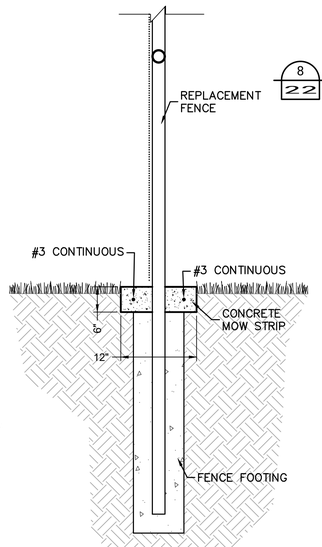
8 22 **HANDICAPPED PAVING**

NOT TO SCALE



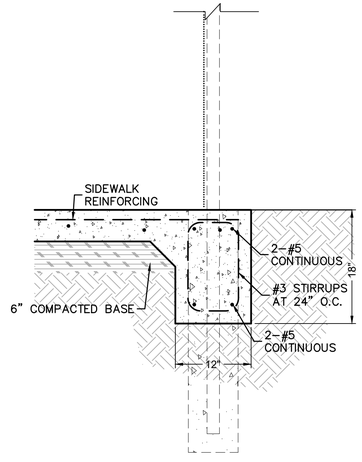
10 22 **ISOLATION JOINT**

NOT TO SCALE



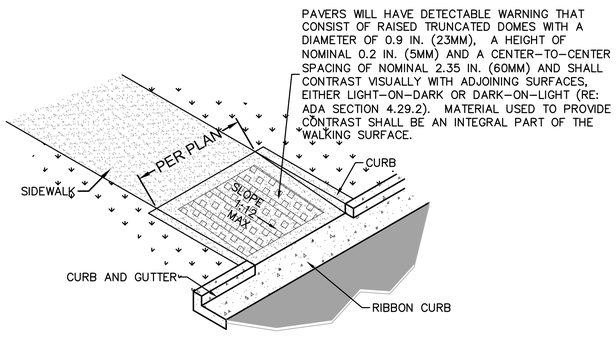
3 22 **MOW STRIP DETAIL**

NOT TO SCALE



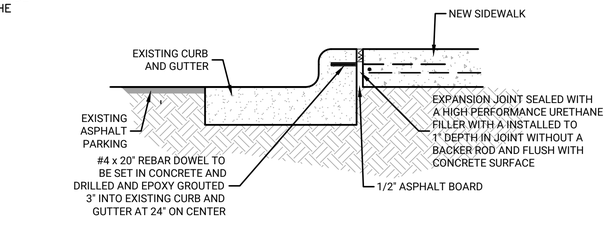
4 22 **REPLACEMENT FENCE ON SIDEWALK**

NOT TO SCALE



7 22 **TYPE B HANDICAPPED RAMP**

NOT TO SCALE



11 22 **SIDEWALK MATCH AS EXISTING CURB**

NOT TO SCALE

GIL ENGINEERING
CONSULTING ENGINEERS - PLANNERS - SURVEYORS - DESIGNERS
504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Surveying Firm 100726500
Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:DETAIL SHEET

DRAWN:

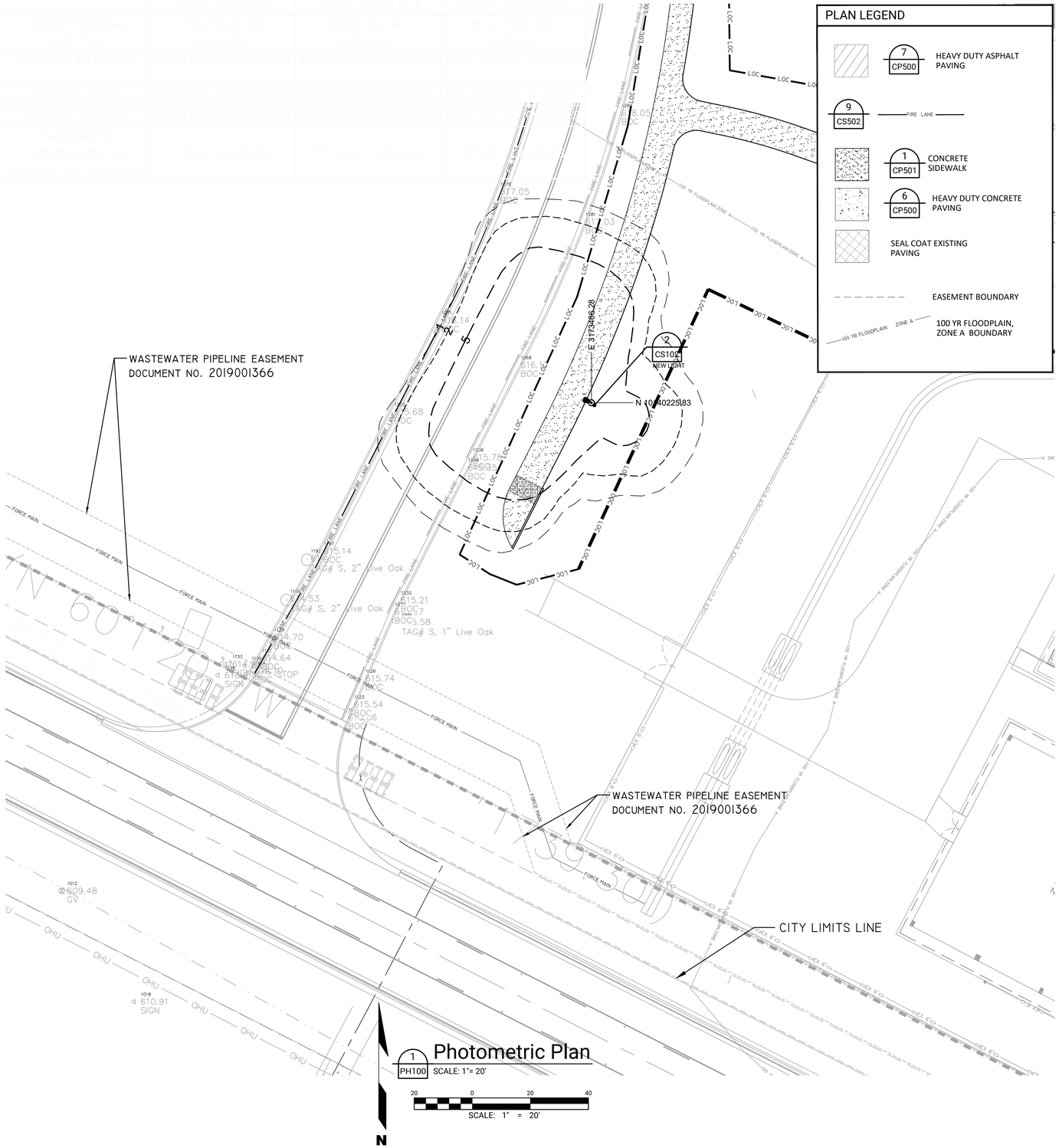
DATE:----

STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER

REVISIONS:
..

SHEET NUMBER

LIGHT LEVEL CALCULATION TABLE			
ZONE	MIN. LIGHT LEVEL (FOOT CANDLES)	AVERAGE LIGHT LEVEL (FOOT CANDLES)	MAX. LIGHT LEVEL (FOOT CANDLES)
ARCHITECTURAL LIGHTING	EXISTING; NO CHANGES	EXISTING; NO CHANGES	EXISTING; NO CHANGES
BUILDING ENTRANCE	EXISTING;NO CHANGES	EXISTING;NO CHANGES	EXISTING;NO CHANGES
CANOPY AREA	EXISTING;NO CHANGES	EXISTING;NO CHANGES	EXISTING;NO CHANGES
ON-SITE PARKING	EXISTING;NO CHANGES	EXISTING;NO CHANGES	EXISTING;NO CHANGES
WALKWAYS, LANDSCAPE, OR DECORATIVE LIGHTING	1 FOOT CANDLES	2.5 FOOT CANDLES	5 FOOT CANDLES



1 PH100 **Photometric Plan**

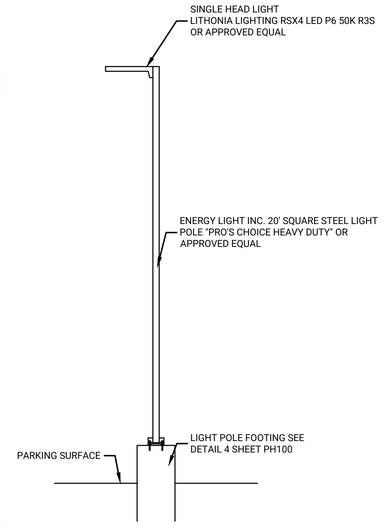
SCALE: 1"= 20'

20 0 20 40

SCALE: 1" = 20'

PLAN LEGEND

- 7 CP500 — HEAVY DUTY ASPHALT PAVING
- 9 CS502 — FIRE LANE
- 1 CP501 — CONCRETE SIDEWALK
- 6 CP500 — HEAVY DUTY CONCRETE PAVING
- SEAL COAT EXISTING PAVING
- EASEMENT BOUNDARY
- 100 YR FLOODPLAIN, ZONE A BOUNDARY

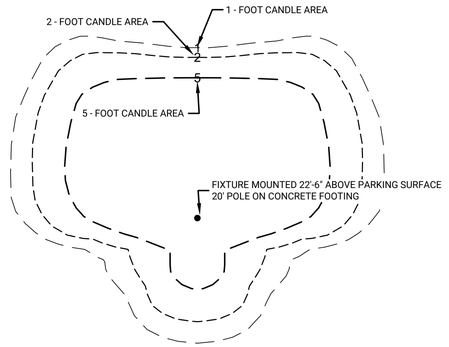


2 PH100 **LIGHT DETAIL**

NTS

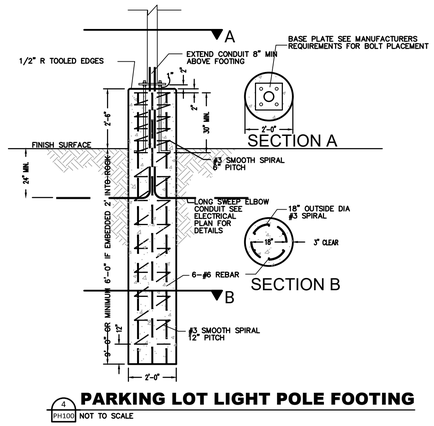
PHOTOMETRIC STANDARD NOTES

- All lighting including wall pack lighting to be downcast and full cut-off type.
- All lighting within the same development shall utilize a consistent type of fixture and bulb.
- Canopy lighting shall be fully recessed within the canopy ceiling. The fixture covers shall be flush with the surface of the canopy ceiling and provide a cutoff or shielded light distribution .
- Canopy lighting shall not be mounted on the top or sides of the canopy and the exterior sides of the canopy may not be illuminated.
- All site lighting will be in conformance with all City of Pflugerville Regulations.



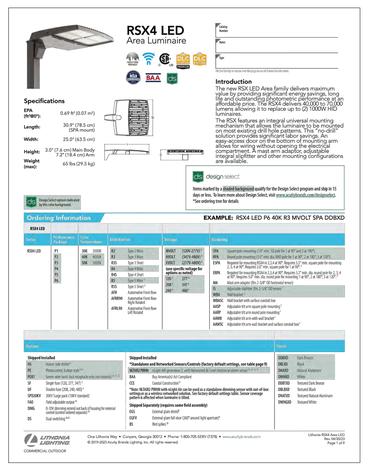
3 PH100 **LIGHT FIXTURE PHOTOMETRIC DETAIL**

NTS



4 PH100 **PARKING LOT LIGHT POLE FOOTING**

NOT TO SCALE



5 23 **LIGHT FIXTURE CUT SHEET**

NTS

GIL ENGINEERING
CONSULTING ENGINEERS - PLANNERS - SURVEYORS - DESIGNERS
504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Surveying Firm 100226500
Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:PHOTOMETRIC PLAN

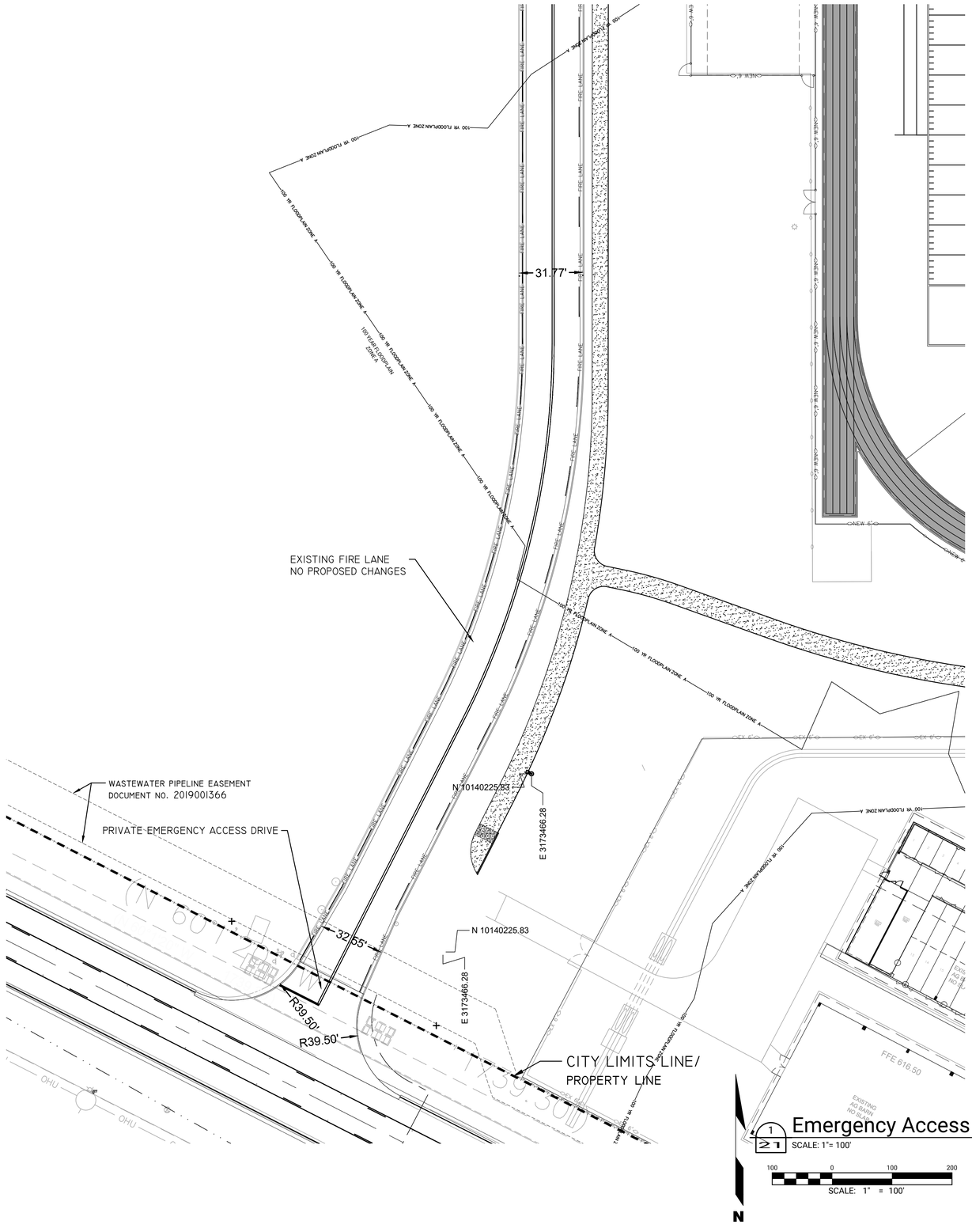
DATE: ----

DRAWN:

STATE OF TEXAS
VICTOR M. GIL
94994
LICENSED
PROFESSIONAL ENGINEER

REVISIONS:
..

SHEET NUMBER



1 Emergency Access Plan
21 SCALE: 1"= 100'

100 0 100 200
SCALE: 1" = 100'

PLAN LEGEND

1 / CP501 CONCRETE SIDEWALK

100 YR FLOODPLAIN ZONE A — 100 YR FLOODPLAIN, ZONE A BOUNDARY

EMERGENCY ACCESS NOTES

1) Street Address. The address of the complex must be posted so it is clearly visible from the public street. The address must be posted on any signs, including any monumental signs, installed to identify the complex. The size, design and placement of address signs must be approved by Travis County Emergency Services District 2 prior to installation.

2) Building Identification. Approved building identification signage will be required for each building located at this complex. The size, design and placement of building identification signs must be approved by the Pflugerville Fire Department prior to installation.

3) Access Drives. Access drives shall be designed to support the weight of a 75,000 pounds live-load under all weather conditions.

4) Fire Lane Marking. Curbs along designated fire lanes shall be painted red. In areas without curbs, marking shall consist of six-inch wide striping that is red in color. White lettering shall be provided which reads "FIRE LANE – TOW AWAY ZONE". The lettering shall be four-inches in height and shall be spaced at intervals not exceeding 25 feet.

5) Maximum Grade. The maximum grade at any point along a designated access drive shall not exceed 10%.

6) Vertical Clearance. A minimum vertical clearance of 14 feet will be maintained for the entire length and width of the designated emergency access drives.

7) Traffic Calming Devices. Traffic calming devices must be approved by Travis County Emergency Services District 2 prior to installation.

8) Medians and Apparatus Obstructions. Access drives should be designed so an emergency vehicle can turn onto the access drive from the street while remaining in its lane at the initiation of the turn. In addition, the emergency vehicle must be able to complete any turns necessary and be established in its lane prior to passing through or by a center post, keypad island, median or other potential obstruction. As a rule, to accommodate ESD2 apparatus, medians and other obstructions must be set back a minimum of 50 feet. Setback requirements may be modified for medians provided with rollover curbs when approved by the fire code official.

9) Access Control Gates. Approval of the site plan does not imply approval to install access control gates. If access control gates will be installed the general contractor must contact Travis County Emergency Services District 2 at (512) 251-2801 for information regarding gate requirements. Access gates, when fully open, cannot reduce the required width of the access drive across which they are installed.

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504 E. BRAKER LANE, AUSTIN TEXAS 78753
PHONE (512) 835-4203 FAX (512) 835-4407
Texas Registered Surveying Firm 100726500
Texas Registered Engineering Firm F-1186

PROJECT TITLE: **PFLUGERVILLE I.S.D. CELE MIDDLE SCHOOL SAFE ROUTES**
6000 CELE RD. PFLUGERVILLE, TX 78660

SHEET TITLE:EMERGENCY ACCESS PLAN

DRAWN: DATE:----

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REVISIONS:
..

SHEET NUMBER
23
21