

# SITE DEVELOPMENT PLANS FOR: CLAY MADSEN SOCCER FIELD PROJECT

CLAY MADSEN SOCCER FIELD PROJECT

**DESIGN PROFESSIONALS:**

**CIVIL ENGINEER:**

ANTONIO A. PRETE, P.E.  
WAELTZ & PRETE, INC.  
3000 JOE DiMAGGIO BLVD. #72  
ROUND ROCK, TEXAS 78665  
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**PARK DEVELOPMENT MANAGER:**

KATIE BAKER, RLA  
CITY OF ROUND ROCK  
301 W. BAGDAD AVE.  
ROUND ROCK, TX 78664  
PH: (512) 341-3355  
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ROUND ROCK EAST, SECTION 1,  
LOT 1 (2.382 AC), LOT 2 (2.487 AC), AND LOT 11 (4.670 AC)

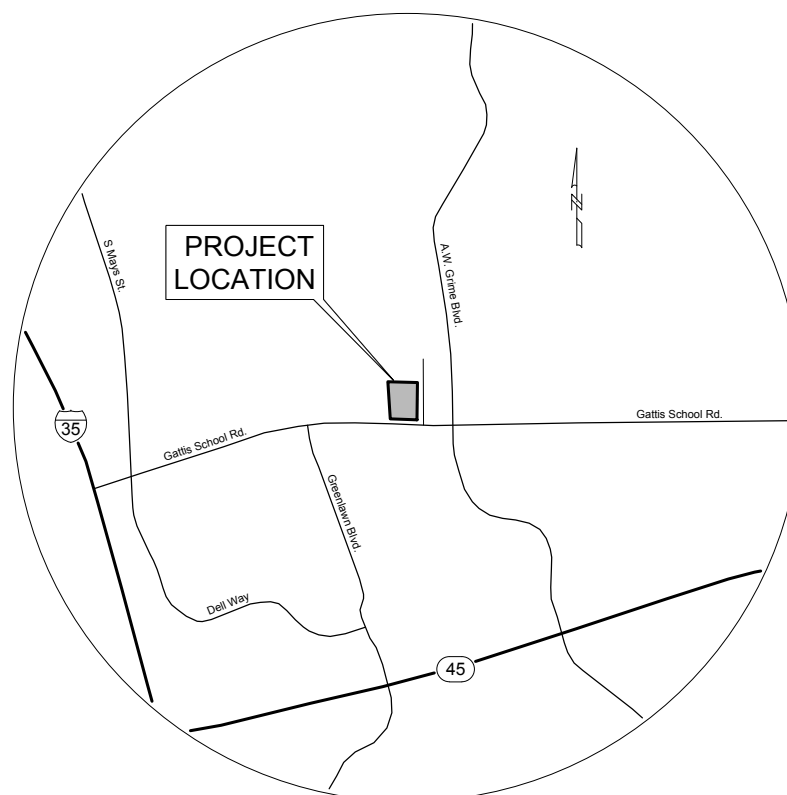
1700 GATTIS SCHOOL RD.  
ROUND ROCK, TEXAS 78664  
DECEMBER, 2016

**CITY OFFICIALS:**

CRAIG MORGAN	MAYOR
TAMMY YOUNG	COUNCIL MEMBER, PLACE 1
RENE FLORES	COUNCIL MEMBER, PLACE 2
FRANK LEFFINGWELL	COUNCIL MEMBER, PLACE 3
WILL PECKHAM	COUNCIL MEMBER, PLACE 4
WRIT BAESE	COUNCIL MEMBER, PLACE 5
KRIS WHITFIELD	COUNCIL MEMBER, PLACE 6
LAURIE HADLEY	CITY MANAGER
RICK ATKINS	PARKS & RECREATION DIRECTOR

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LOCATION MAP  
NTS



**NOTES:**

1. THESE PLANS ARE NOT TO BE CONSIDERED FINAL FOR CONSTRUCTION UNTIL ACCEPTED BY THE CITY. CHANGES MAY BE REQUIRED PRIOR TO APPROVAL.
2. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY, AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
3. NO PORTION OF THIS SITE IS WITHIN THE FEMA 1% ANNUAL CHANCE FLOODPLAIN, PER PANEL NUMBER 4891C0495E, DATED SEPTEMBER 26, 2008.
4. THIS SITE IS NOT LOCATED WITHIN THE EDWARDS AQUIFER RECHARGE ZONE. SITE DISTURBANCE IS GREATER THAN ONE ACRE, THEREFORE A SWPPP IS REQUIRED.
5. THIS SITE IS REQUESTING TO PARTICIPATE IN THE CITY OF ROUND ROCK'S REGIONAL STORMWATER MANAGEMENT PROGRAM.

STATE OF TEXAS

COUNTY OF WILLIAMSON

I, ANTONIO A. PRETE, P.E., DO HEREBY CERTIFY THAT THE PUBLIC WORKS AND DRAINAGE IMPROVEMENTS DESCRIBED HEREIN HAVE BEEN DESIGNED IN COMPLIANCE WITH THE SUBDIVISION AND BUILDING REGULATION ORDINANCES AND STORMWATER DRAINAGE POLICY ADOPTED BY THE CITY OF ROUND ROCK, TEXAS.



ANTONIO A. PRETE, P.E.  
STATE OF TEXAS #93759

08JUN17

DATE

JOB NO.: 010-021

ACCEPTED FOR CONSTRUCTION:

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN ACCEPTING THESE PLANS, THE CITY OF ROUND ROCK MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

CITY OF ROUND ROCK, TEXAS \_\_\_\_\_ DATE  
PARKS AND RECREATION DEPARTMENT

RECORDED PLAT DOC # (UNPLATTED) \_\_\_\_\_  
METER SERIAL NO. \_\_\_\_\_  
UTILITY BILL ACCOUNT NO. \_\_\_\_\_

DEVELOPER:

CITY OF ROUND ROCK  
PARKS AND RECREATION DEPARTMENT  
301 W. BAGDAD ST., STE. 250  
ROUND ROCK, TX 78664  
PH: (512) 218-5540  
EMAIL: dbuzzell@round-rock.tx.us

ENGINEER:



WAELTZ & PRETE, INC.  
CIVIL ENGINEERS  
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ROUND ROCK, TX. 78665  
PH (512) 505-8953  
FIRM TX. REG. #F-10308

REVISIONS:

No.	Date	Revision	ACC.	DATE

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**City of Round Rock Standard Construction Notes Dated May 05, 2006**

**GENERAL NOTES:**

- All construction shall be in accordance with the City of Round Rock Standard Specifications Manual.
- Any existing utilities, pavement, curbs, sidewalks, structures, trees, etc., not planned for destruction or removal that are damaged or removed shall be repaired or replaced at his expense.
- The Contractor shall verify all depths and locations of existing utilities prior to any construction. Any discrepancies with the construction plans found in the field shall be brought immediately to the attention of the Engineer who shall be responsible for revising the plans as appropriate.
- Manhole frames, covers, valves, cleanouts, etc. shall be raised to finished grade prior to final paving construction.
- The Contractor shall give the City of Round Rock 48 hours notice before beginning each phase of construction. Telephone (512) 801-4460 (Inspectors).
- All areas disturbed or exposed during construction shall be revegetated in accordance with the plans and specifications. Revegetation of all disturbed or exposed areas shall consist of sodding or seeding, at the Contractor's option. However, the type of revegetation must equal or exceed the type of vegetation present before construction.
- Prior to any construction, the Engineer shall convene a preconstruction conference between the City of Round Rock, himself, the Contractor, other utility companies, any affected parties and any other entity the City or Engineer may require.
- The Contractor and the Engineer shall keep accurate records of all construction that deviates from the plans. The Engineer shall furnish the City of Round Rock accurate "As-Built" drawings following completion of all construction. These "As-Built" drawings shall meet with the satisfaction of the Engineering and Development Services Department prior to final acceptance.
- The Round Rock City Council shall not be petitioned for acceptance until all necessary easement documents have been signed and recorded.
- When construction is being carried out within easements, the Contractor shall confine his work to within the permanent and any temporary easements. Prior to final acceptance, the Contractor shall be responsible for removing all trash and debris within the permanent and temporary easements. Clean-up shall be to the satisfaction of the City Engineer.
- Prior to any construction, the Contractor shall apply for and secure all proper permits from the appropriate authorities.
- Available benchmarks (City of Round Rock Datum) that may be utilized for the construction of this project are described as follows: (See Sheet C-4)

**TRENCH SAFETY NOTES:**

- In accordance with the Laws of the State of Texas and the U. S. Occupational Safety and Health Administration regulations, all trenches over 5 feet in depth in either hard and compact or soft and unstable soil shall be sloped, shored, sheeted, braced or otherwise supported. Furthermore, all trenches less than 5 feet in depth shall also be effectively protected when hazardous ground movement may be expected. Trench safety systems to be utilized for this project will be provided by the

contractor.

- In accordance with the U. S. Occupational Safety and Health Administration regulations, when persons are in trenches 4-feet deep or more, adequate means of exit, such as a ladder or steps, must be provided and located so as to require no more than 25 feet of lateral travel.
- If trench safety system details were not provided in the plans because trenches were anticipated to be less than 5 feet in depth and during construction it is found that trenches are in fact 5 feet or more in depth or trenches less than 5 feet in depth are in an area where hazardous ground movement is expected, all construction shall cease, the trenched area shall be barricaded and the Engineer notified immediately. Construction shall not resume until appropriate trench safety system details, as designed by a professional engineer, are retained and copies submitted to the City of Round Rock.

**STREET AND DRAINAGE NOTES:**

- All testing shall be done by an independent laboratory at the Owner's expense. Any retesting 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. Telephone (512) 218-3241 (Inspections).
- Backfill behind the curb shall be compacted to obtain a minimum of 95% maximum density to within 3" of top of curb. Material used shall be primarily granular with no rocks larger than 6" in the greatest dimension. The remaining 3" shall be clean topsoil free from all clods and suitable for sustaining plant life.
- Depth of cover for all crossings under pavement including gas, electric, telephone, cable tv, water services, etc., shall be a minimum of 30" below subgrade.
- Street rights-of-way shall be graded at a slope of 1/4" per foot toward the curb unless otherwise indicated. However, in no case shall the width of right-of-way at 1/4" per foot slope be less than 10 feet unless a specific request for an alternate grading scheme is made to and accepted by the City of Round Rock Engineering and Development Services Department.
- Barricades built to City of Round Rock standards shall be constructed on all dead-end streets and as necessary during construction to maintain job and public safety.
- All R.C.P. shall be minimum class III.
- The subgrade material for the streets shown herein was tested by: N/A

And the paving sections designed in accordance with the current City of Round Rock design criteria. The paving sections are to be constructed as follows:  
N/A

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.

- 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.

**WATER AND WASTEWATER NOTES:**

- Pipe material for water mains shall be PVC (AWWA C-900, min. class 200), or Ductile Iron (AWWA C-100, min. class 200). Water services (2" or less) shall be polyethylene tubing (black, 200 psi, DR 9).
- Pipe material for pressure wastewater mains shall be PVC (AWWA C-900, min. class 150), or Ductile Iron (AWWA C-100, min. class 200). Pipe material for gravity wastewater mains shall be PVC (ASTM D2241 or D3034, max. DR-26), Ductile Iron (AWWA C-100, min. class 200).
- Unless otherwise accepted by the City Engineer, depth of cover for all lines out of the pavement shall be 42" min., and depth of cover for all lines under pavement shall be a min. of 30" below subgrade.
- All fire hydrant leads shall be ductile iron pipe (AWWA C-100, min. class 200).
- All iron pipe and fittings shall be wrapped with minimum 8-mil polyethylene and sealed with duct tape or equal accepted by the City Engineer.
- The Contractor shall contact the City Inspector at (512) 218-3241 to coordinate utility tie-ins and notify him at least 48 hours prior to connecting to existing lines.
- All manholes shall be concrete with cast iron ring and cover. All manholes located outside of the pavement shall have bolted covers. Tapping of fiberglass manholes shall not be allowed.
- The Contractor must obtain a bulk water permit or purchase and install a water meter for all water used during construction. A copy of this permit must be carried at all times by all who use water.
- Line flushing or any activity using a large quantity of water must be scheduled with the civil inspector, telephone (512) 218-3241.
- The Contractor, at his expense, shall perform sterilization of all potable water lines constructed and shall provide all equipment (including test gauges), supplies (including concentrated chlorine disinfecting material), and necessary labor required for the sterilization procedure. The sterilization procedure shall be monitored by City of Round Rock personnel. Water samples will be collected by the City of Round Rock to verify each treated line has attained an initial chlorine concentration of 50 ppm. Where means of flushing is necessary, the Contractor, at his expense, shall provide flushing devices and remove said devices prior to final acceptance by the City of Round Rock.
- Sampling taps shall be brought up to 3 feet above grade and shall be easily accessible for City personnel. At the Contractor's request, and in his presence, samples for bacteriological testing will be collected by the City of Round Rock not less than 24 hours after the treated line has been flushed of the concentrated chlorine solution and charged with water approved by the City. The Contractor shall supply a check or money order, payable to the City of Round Rock, to cover the fee charged for testing each water sample. City of Round Rock fee amounts may be obtained by calling the Development Services Office at (512) 218-7043.
- 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 all

equipment (including pumps and gauges), supplies and labor necessary to perform the tests. Quality and pressure testing shall be monitored by City of Round Rock personnel.

- The Contractor shall coordinate testing with the City of Inspector and provide no less than 24 hours notice prior to performing sterilization, quality testing or pressure testing.

- The Contractor shall not open or close any valves unless authorized by the City of Round Rock.

- All valve boxes and covers shall be cast iron.

- 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

Tools for marking the curb shall be provided by the Contractor. Other appropriate means of marking service and valve locations shall be provided in areas without curbs. Such means of marking shall be as specified by the Engineer and accepted by the City of Round Rock.

- Contact City of Round Rock Development Services Office at (512) 218-7043 for assistance in obtaining existing water and wastewater locations.

- The City of Round Rock Fire Department shall be notified 48 hours prior to testing of any building sprinkler piping in order that the Fire Department may monitor such testing.

- Sand, as described in Specification item 510 pipe, shall not be used as bedding for water and wastewater lines. Acceptable bedding materials are pipe bedding stone, pea gravel and in lieu of sand, a naturally occurring or manufactured stone material conforming to ASTM C33 for stone quality and meeting the following gradation specification:

Sieve Size	Percent Retained By Weight
1/2"	0
3/8"	0-2
#4	40-85
#10	95-100

- 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.

- All wastewater construction shall be in accordance with the Texas Commission on Environmental Quality (TCEQ) Regulations, 30 TAC Chapter 213 and 217, as applicable. Whenever TCEQ and City of Round Rock Specifications conflict, the more stringent shall apply.

**TRAFFIC MARKING NOTES:**

- Any methods, street markings and signage necessary for warning motorists, warning pedestrians or diverting traffic during construction shall conform to the Texas Manual of Uniform Traffic Control Devices for Streets and Highways, latest edition.

- All pavement markings, markers, paint, traffic buttons, traffic controls and signs shall be installed in accordance with the Texas Department of Transportation Standard Specifications for Construction of Highways, Streets and Bridges and, the Texas Manual of Uniform Traffic Control Devices for Streets and Highways, latest editions.

**EROSION AND SEDIMENTATION CONTROL NOTES:**

- Erosion control measures, site work and restoration work shall be in accordance with the City of Round Rock Erosion and Sedimentation Control Ordinance.

- All slopes shall be sodded or seeded with approved grass, grass mixtures or ground cover suitable to the area and season in which they are applied.

- Silt fences, rock berms, sedimentation basins 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 Round Rock for effectiveness. Additional measures may be required if, in the opinion of the City Engineer, they are warranted.

- All temporary erosion control measures shall not be removed until final inspection and approval of the project by the Engineer. 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.

- All mud, dirt, rocks, debris, etc., spilled, tracked or otherwise deposited on existing paved streets, drives and areas used by the public shall be cleaned up immediately.

**ABBREVIATIONS:**

- BOT = BOTTOM
- CL = CLASS
- CNC = TOP OF CONCRETE
- DET = DETENTION
- D/S = DOWNSPOUT
- DI = DUCTILE IRON
- ESMT = EASEMENT
- EX = EXISTING
- FG = FINISHED GROUND
- FH = FIRE HYDRANT
- FL = FLOWLINE
- FPS = FEET PER SECOND
- FLG = FLANGE
- GB = GRADE BREAK
- GV = GATE VALVE
- HPT = HIGHPOINT
- LOC = LIMITS OF CONSTRUCTION
- LPT = LOW POINT
- MH = MANHOLE
- MJ = MECHANICAL JOINT
- NG = NATURAL GROUND
- PAV = TOP OF PAVEMENT
- PWF = PEAK DRY WEATHER FLOW
- PWWF = PEAK WET WEATHER FLOW
- PROP = PROPOSED
- PVC = POLYVINYL CHLORIDE
- REF = REFERENCE
- RS = RESILIENT SEAT
- SCH = SCHEDULE
- SF = SILT FENCE
- SLAB = TOP OF SLAB
- SS = STORM SEWER
- SSL = STORM SEWER LINE
- SW = TOP OF SIDEWALK
- TC = TOP OF CURB
- TG = TOP OF GRATE
- TOF = TOP OF FOOTING
- TOI = TOP OF INLET
- TOW = TOP OF WALL
- TP = TREE PROTECTION
- TR = TOP OF MANHOLE RIM
- TYP = TYPICAL
- WL = WATER LINE
- WQ = WATER QUALITY
- WSE = WATER SURFACE ELEVATION
- WTR = WATER
- WWL = WASTEWATER LINE
- WWMH = WASTEWATER MANHOLE

**LEGEND**

- REBAR WITH "BAKER AICKLEN" CAP FOUND
- ⊕<sup>FH</sup> FIRE HYDRANT
- ⊕<sup>W</sup> WATER METER
- ⊕<sup>W</sup> WATER VALVE
- <sup>WW</sup> WASTEWATER MANHOLE
- SIGN
- ⊙<sup>303</sup> TREE
- ⊙ POWER POLE
- ⊙ LIGHT POLE
- ⊙ SPRINKLER CONTROL VALVE
- ⊙<sup>BM #1</sup> BENCHMARK
- x — FENCE - BARB-WIRE
- o — FENCE - CHAIN-LINK
- // — FENCE - WOOD
- GAS — GAS LINE
- — — EDGE OF PAVEMENT
- U — UNDERGROUND ELEC.
- U — UNDERGROUND TELE.
- w — WATER LINE
- ww — WASTEWATER LINE

TREE LIST		
TREE NUMBER	SIZE (IN.)	TYPE
30020	14	HACKBERRY
30029	11	BOIS D'ARC
30030	15,10	HACKBERRY
30032	10	HACKBERRY
30035	10	HACKBERRY
30036	9,9	HACKBERRY
30047	8,3	LIVE OAK
30050	13	PECAN
30051	8	ASH
30052	12	BOXELDER
30057	8	SHINOAK
30058	8	SHINOAK
30059	10,9,8,7,4	SPANISH OAK
30061	21	ASH
30063	20	ASH
30066	26	ASH
30091	10,6	LIVE OAK
30092	14	LIVE OAK
30093	14	LIVE OAK
30098	24	LIVE OAK
30100	14	CHINESE TALLOW
30102	12,8	ASH
30130	15	CHINESE TALLOW
30132	12	BUR OAK
30135	14	LIVE OAK
30137	8	SHUMARD
30140	16,8,8	LIVE OAK
30145	10	ASH
30146	17	LIVE OAK
30149	11	PECAN
30151	10	SHINOAK
30152	14	SHUMARD
30154	9	PINE
30159	10	ASH
30165	26	ASH
30167	13	PECAN
30168	29	ASH
30169	27	ASH
30170	10	PECAN
30172	11,8	PECAN
30173	11	PECAN
30174	10	PECAN
30175	28	ASH
30176	28	COTTONWOOD
30177	21	ASH
30178	11	MULBERRY
30179	21	ASH
30180	26,20	ASH
30181	17	COTTONWOOD
30183	16	CHINESE TALLOW
30184	12	CHINESE TALLOW
30185	14	HACKBERRY
30187	11,10	HACKBERRY
30188	12	CEDAR ELM
30189	14	HACKBERRY
30190	18	AMERICAN ELM
30191	9	CHINESE TALLOW
30192	12	CHINESE TALLOW
30193	10	HACKBERRY
30194	9	HACKBERRY
30195	9,9	HACKBERRY
30198	18	AMERICAN ELM
30199	13	AMERICAN ELM
30202	19	PECAN
30224	11	HACKBERRY
30230	12	HACKBERRY
30231	14	HACKBERRY
220098	8	PECAN
220222	8	OAK



**WAELTZ & PRETE, INC. CIVIL ENGINEERS**

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**CLAY MADSEN SOCCER FIELD PROJECT**

1700 GATTIS SCHOOL RD.

CLIENT:

**CITY OF ROUND ROCK**

DESIGNED: AAP APPROVED: AAP  
DRAWN: CN DATE: 6/9/2017

REVISIONS									
DATE									
NO.									

SHEET TITLE:

**GENERAL NOTES**

PROJECT NO.:

010-021

SHEET NO.:

C-2







































