

# GIVENS DISTRICT PARK AQUATIC FACILITY

AUSTIN, TEXAS

PARKS AND RECREATION DEPARTMENT  
DESIGN COMMISSION PRESENTATION

DECEMBER 13, 2021



**MarmonMok**  
ARCHITECTURE



**Design. Done.**

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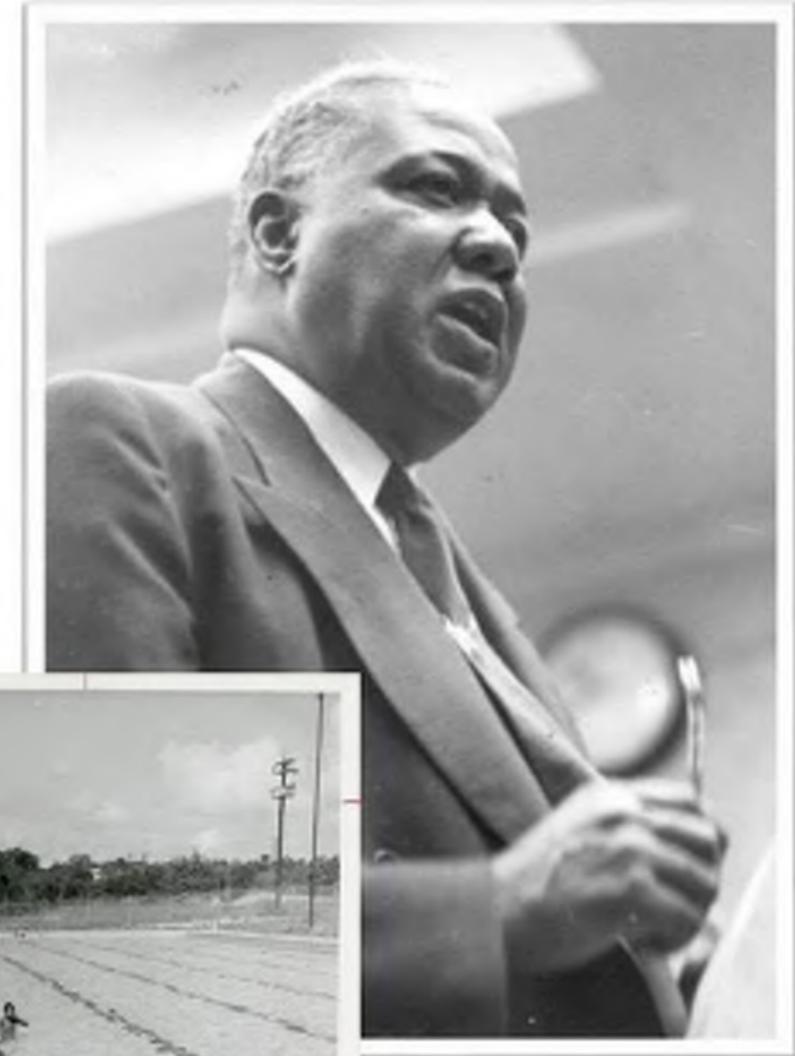


# PUBLIC ENGAGEMENT

# 01

# History of Givens Pool

- The 41-acre park includes the Aquatic Facility, Recreation Center, Sport Courts, Athletic Fields and Pavilions.
- The park and pool were named after Dr. Everett H. Givens, a community leader and dentist.
- The pool first opened in 1958.
- In 2018, voters approved a General Obligation Bond for design and construction of a new aquatic facility.



Dr. Everett H. Givens, Austin History Center, Austin Public Library, PICB03048  
Givens Pool, Austin History Center, Austin Public Library, PICA 21235



# Community Meeting #1 and Survey

What do you envision when you think of Givens Pool?



## TOP RESULTS: POOL ACTIVITIES

WHAT YOU DO IN THE WATER?

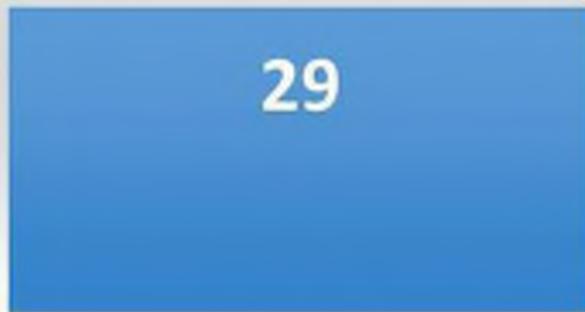


## TOP RESULTS: POOL AMENITIES

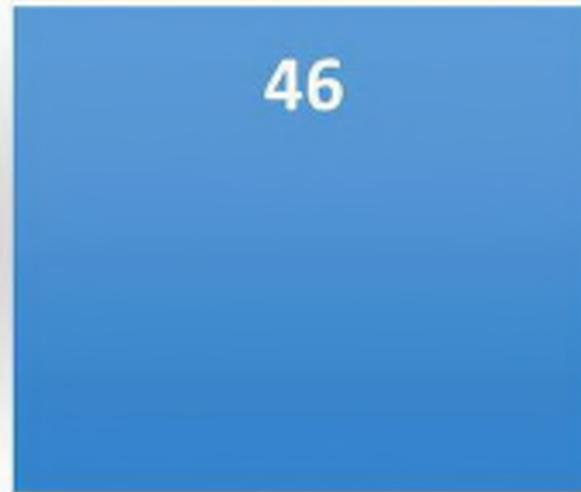
WHAT IS BUILT WITH THE POOL?



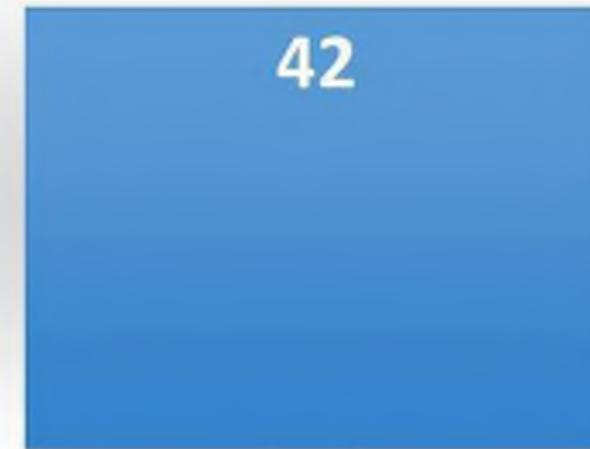
# Community Meeting #2 and Survey



Concept A



Concept B

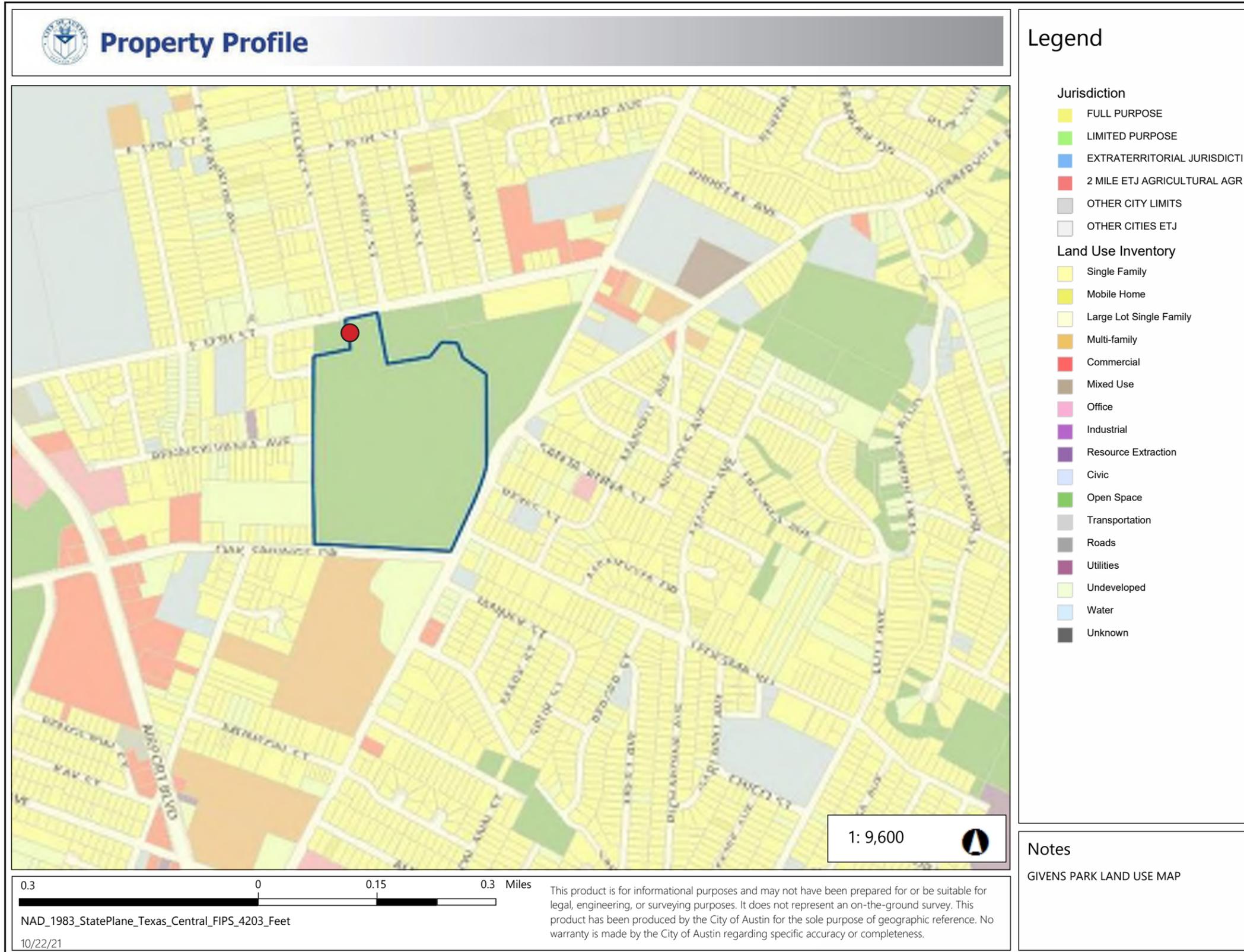


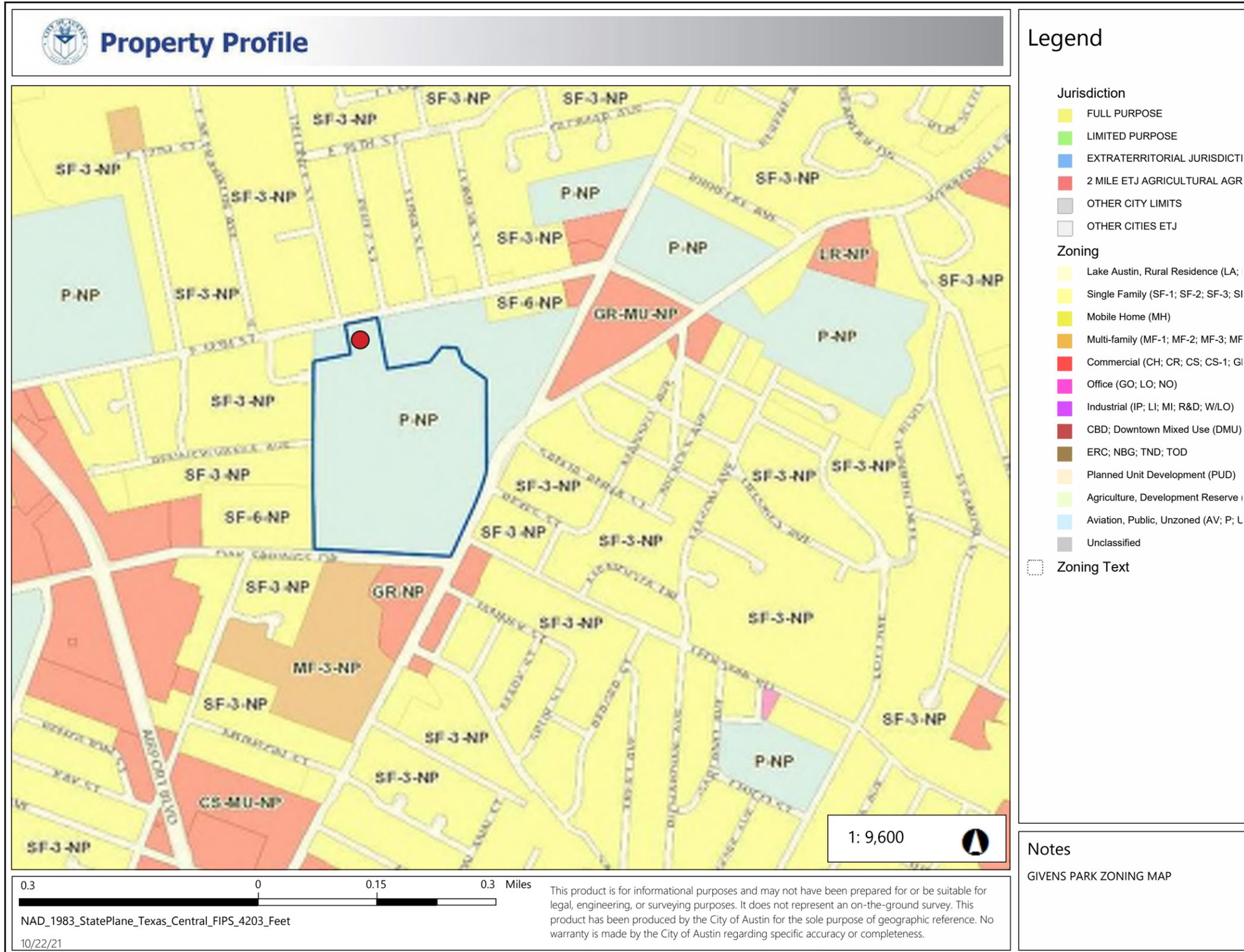
Concept C

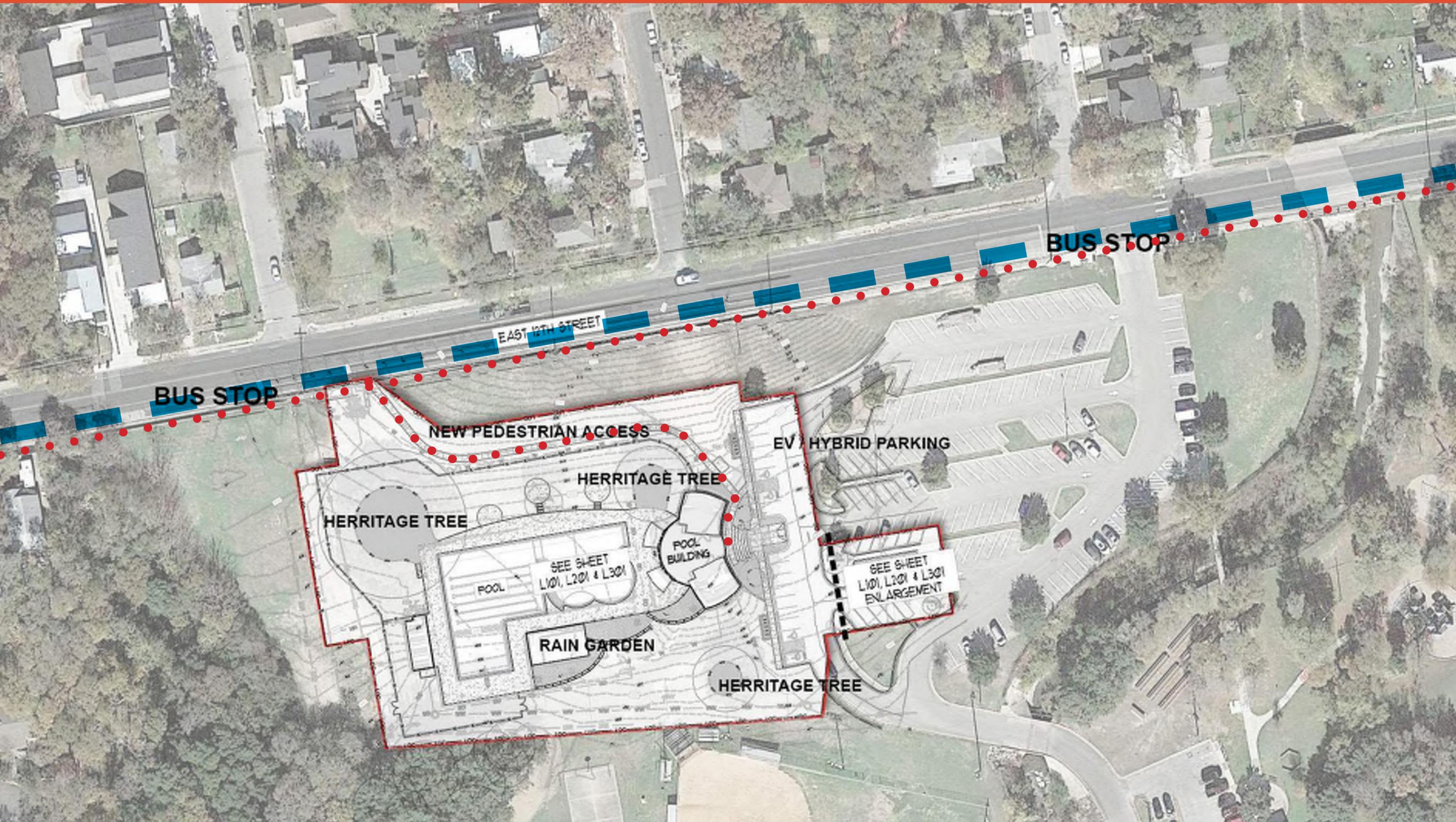


# 02

**SITE DESIGN**









LEGEND

- ① WELCOME GARDEN
- ② ENTRY HARDSCAPE
- ③ GRAVEL MAINT. BAND
- ④ BIKE RACKS
- ⑤ PICNIC TABLES
- ⑥ STEPPING STONES
- ⑦ COVERED PICNIC AREA
- ⑧ TURF
- ⑨ ORNAMENTAL TREES, TYP.
- ⑩ SHADE TREES, TYP.
- ⑪ RAIN GARDEN
- ⑫ EXISTING TREES
- ⑬ PROPOSED POOL
- ⑭ EXISTING PAVILION
- ⑮ MULTI-PURPOSE BUILDING
- ⑯ EXISTING INFRASTRUCTURE
- ⑰ POOL DECK
- ⑱ PARKING LOT

# COA POOLS - GIVENS PARK SITE PLAN

Austin, Texas

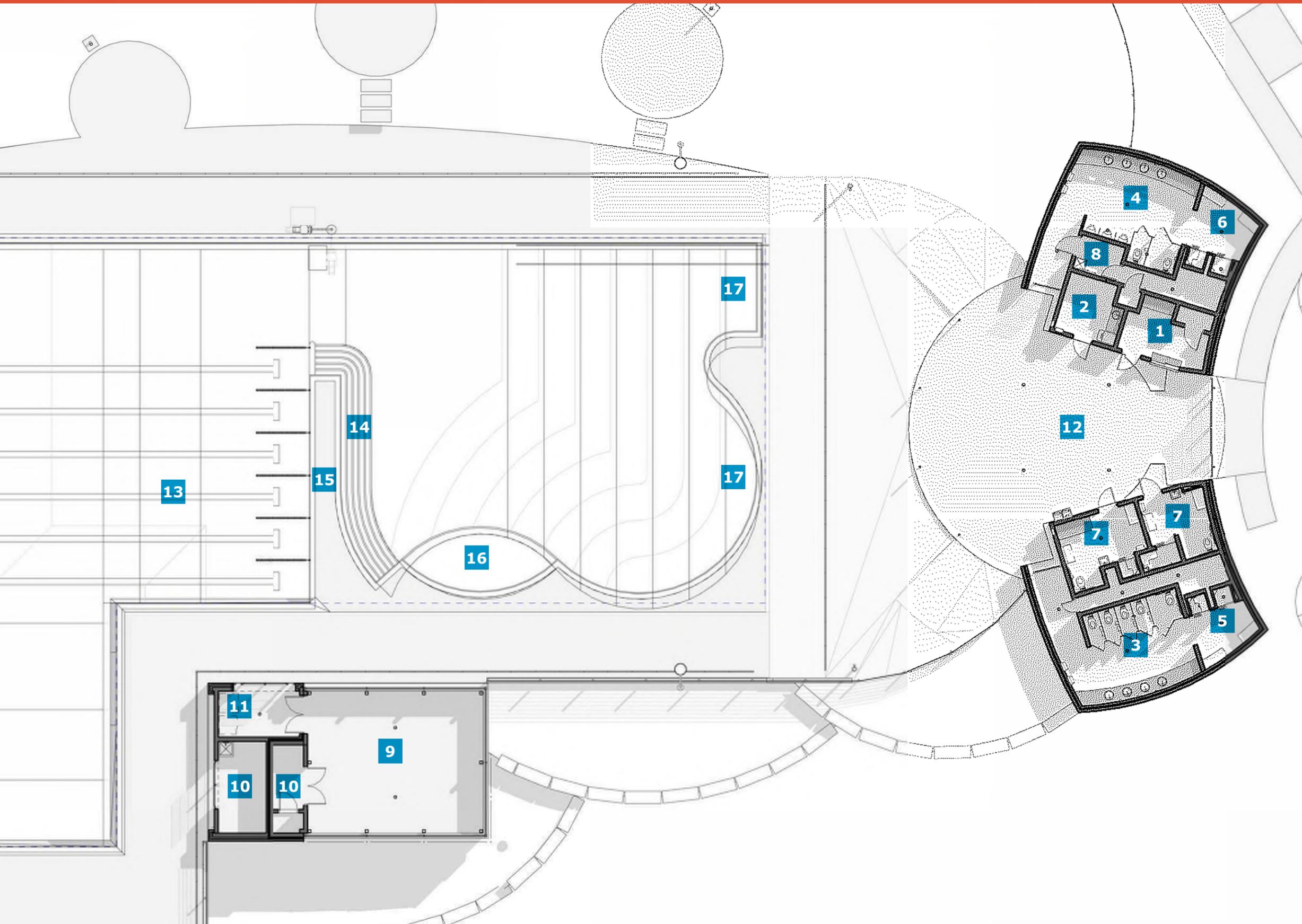
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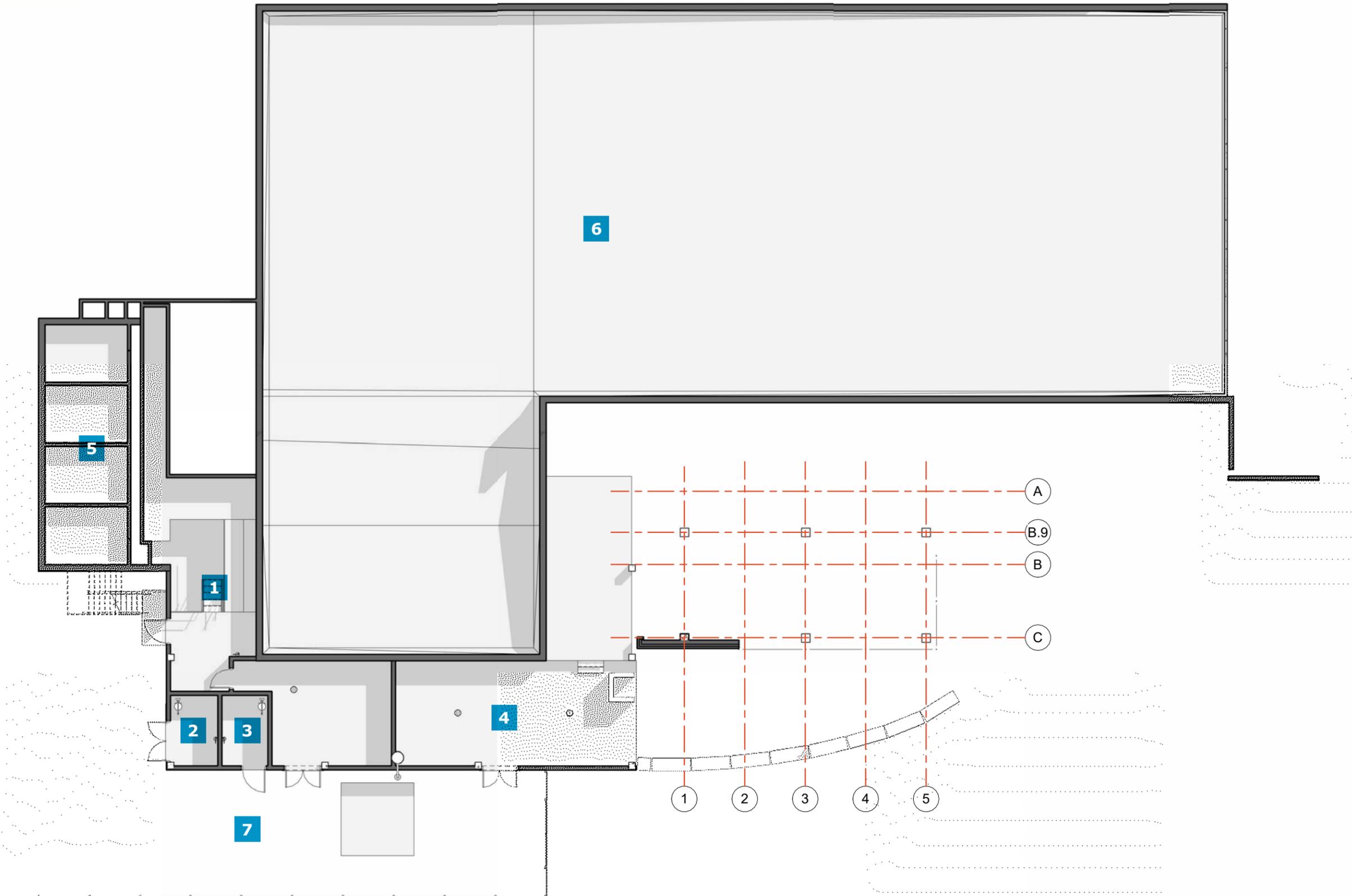
# FLOOR PLANS

# 03



### 1ST FLOOR PLAN

- 1 LIFEGUARD OFFICE
- 2 FIRST-AID ROOM
- 3 WOMEN'S RESTROOM
- 4 MEN'S RESTROOM
- 5 WOMEN'S SHOWERS
- 6 MEN'S SHOWERS
- 7 UNIVERSAL CHANGING ROOM
- 8 CUSTODIAL
- 9 MULTI-PURPOSE ROOM
- 10 STORAGE
- 11 VENDING
- 12 OPEN AIR PAVILION
- 13 LAP LANES
- 14 GRAND POOL STAIR
- 15 PENINSULA
- 16 WATER SHELF
- 17 ZERO DEPTH ENTRY



**LOWER FLOOR PLAN**

- 1 POOL MECHANICAL
- 2 ACID ROOM
- 3 CHEMICAL ROOM
- 4 STORAGE
- 5 SURGE TANK
- 6 POOL TANK
- 7 MECHANICAL YARD



# PERSPECTIVES

# 04







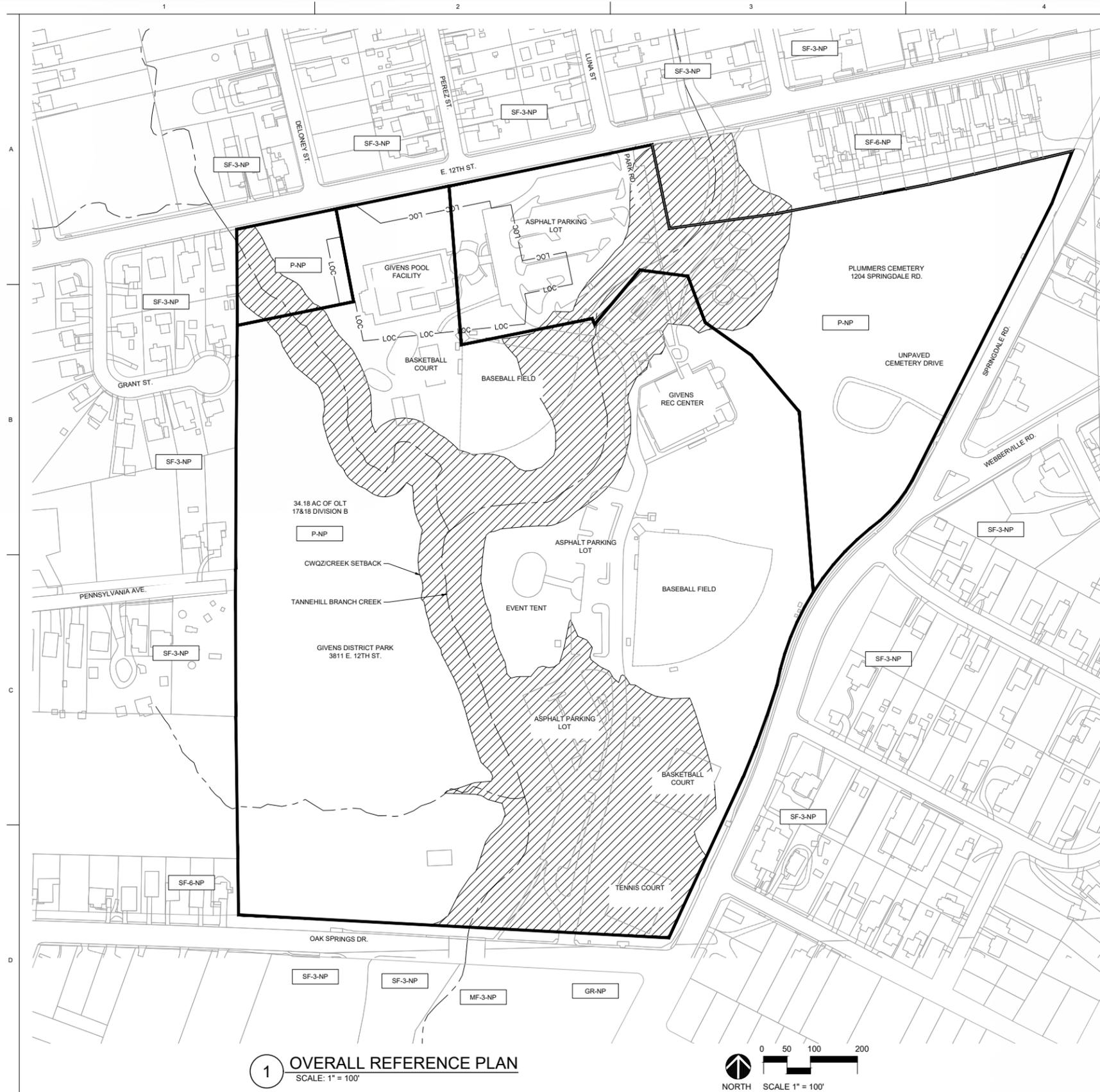












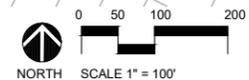
**LEGEND:**

- SUBJECT PROPERTY BOUNDARY
- LOC — LOC — LIMITS OF CONSTRUCTION THIS PERMIT
- ZONING

**GENERAL NOTES**

1. ZONING SHOWN THIS SHEET IS FROM THE CITY OF AUSTIN PROPERTY PROFILE
2. SUBJECT PROPERTY BOUNDARY THIS SHEET IS APPROXIMATE FROM COA GIS RECORDS AND IS NOT A REPRESENTATIVE OF A SURVEYED LEGAL PROPERTY BOUNDARY.
3. LOT LINES AND OTHER BACKGROUND INFORMATION SHOWN THIS SHEET IS FROM COA GIS RECORDS AND NOT REPRESENTATIVE OF SURVEY INFORMATION.

**1 OVERALL REFERENCE PLAN**  
SCALE: 1" = 100'



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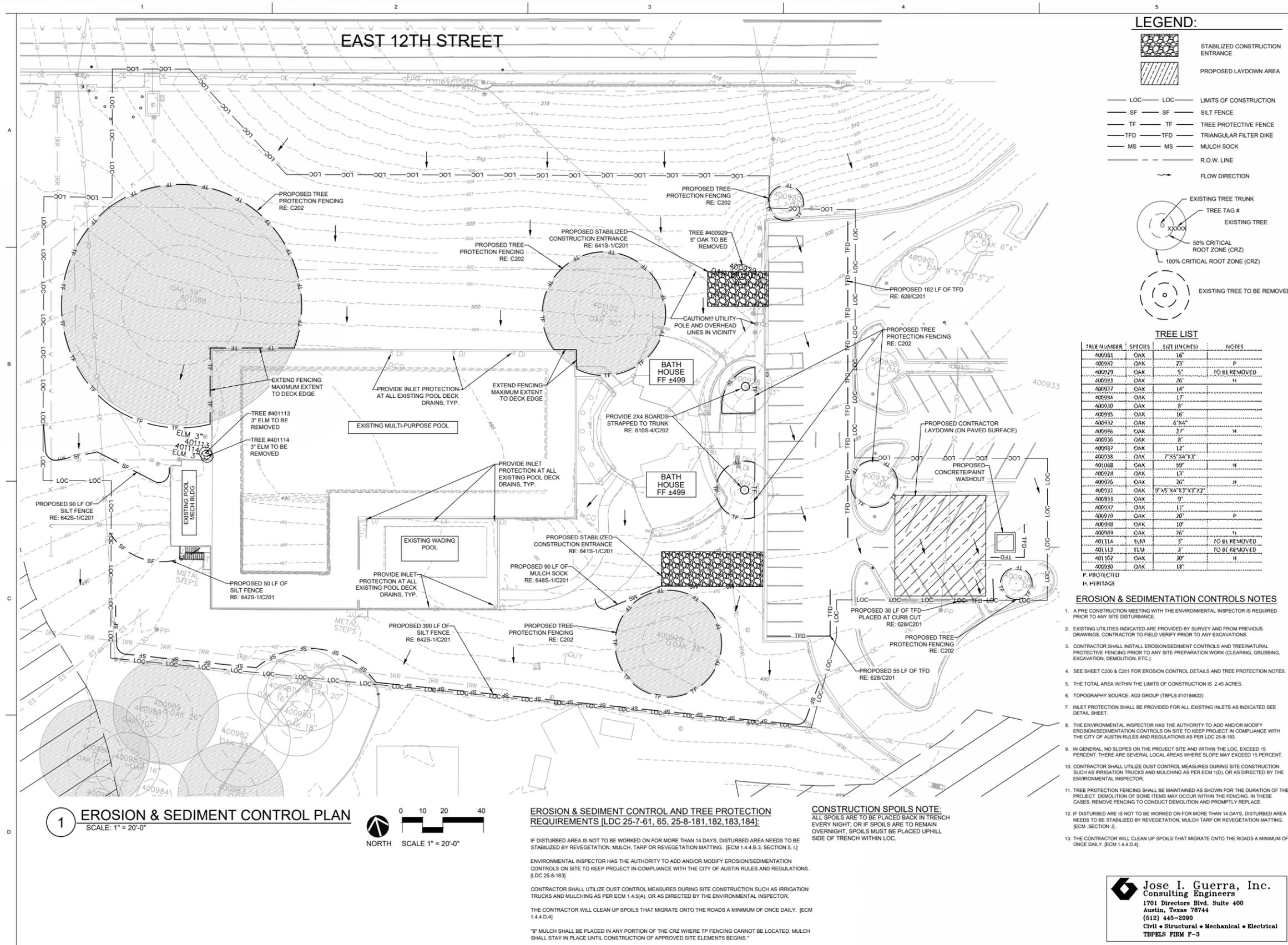
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11/18/21

**GIVENS DISTRICT PARK AQUATIC FACILITY**  
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Project No.: 20031  
Revisions:

SHEET TITLE  
**OVERALL REFERENCE PLAN**

SHEET NO.  
**C101**



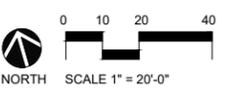
**LEGEND:**

- STABILIZED CONSTRUCTION ENTRANCE
- PROPOSED LAYDOWN AREA
- LOC — LOC — LIMITS OF CONSTRUCTION
- SF — SF — SILT FENCE
- TF — TF — TREE PROTECTIVE FENCE
- TFD — TFD — TRIANGULAR FILTER DIKE
- MS — MS — MULCH SOCK
- — — R.O.W. LINE
- FLOW DIRECTION
- EXISTING TREE TRUNK
- TREE TAG #
- EXISTING TREE
- 50% CRITICAL ROOT ZONE (CRZ)
- 100% CRITICAL ROOT ZONE (CRZ)
- EXISTING TREE TO BE REMOVED

**TREE LIST**

TREE NUMBER	SPECIES	SIZE (INCHES)	NOTES
400981	OAK	16"	
400982	OAK	25"	P
400983	OAK	5"	TO BE REMOVED
400984	OAK	26"	H
400985	OAK	14"	
400986	OAK	17"	
400987	OAK	8"	
400988	OAK	15"	
400989	OAK	6'x4"	H
400990	OAK	27"	
400991	OAK	8"	
400992	OAK	17"	
400993	OAK	7'x5'x4'x3'	
400994	OAK	50"	H
400995	OAK	15"	
400996	OAK	26"	H
400997	OAK	9'x5'x4'x3'x2'	
400998	OAK	17"	
400999	OAK	20"	P
401000	OAK	19"	
401001	OAK	26"	H
401114	ELM	3"	TO BE REMOVED
401113	ELM	3"	TO BE REMOVED
401102	OAK	30"	H
400980	OAK	18"	
400981	OAK	16"	
400982	OAK	20"	
400983	OAK	27"	
400984	OAK	16"	
400985	OAK	16"	
400986	OAK	16"	
400987	OAK	16"	
400988	OAK	16"	
400989	OAK	16"	
400990	OAK	16"	
400991	OAK	16"	
400992	OAK	16"	
400993	OAK	16"	
400994	OAK	16"	
400995	OAK	16"	
400996	OAK	16"	
400997	OAK	16"	
400998	OAK	16"	
400999	OAK	16"	
401000	OAK	16"	
401001	OAK	16"	
401002	OAK	16"	
401003	OAK	16"	
401004	OAK	16"	
401005	OAK	16"	
401006	OAK	16"	
401007	OAK	16"	
401008	OAK	16"	
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401010	OAK	16"	
401011	OAK	16"	
401012	OAK	16"	
401013	OAK	16"	
401014	OAK	16"	
401015	OAK	16"	
401016	OAK	16"	
401017	OAK	16"	
401018	OAK	16"	
401019	OAK	16"	
401020	OAK	16"	
401021	OAK	16"	
401022	OAK	16"	
401023	OAK	16"	
401024	OAK	16"	
401025	OAK	16"	
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401035	OAK	16"	
401036	OAK	16"	
401037	OAK	16"	
401038	OAK	16"	
401039	OAK	16"	
401040	OAK	16"	
401041	OAK	16"	
401042	OAK	16"	
401043	OAK	16"	
401044	OAK	16"	
401045	OAK	16"	
401046	OAK	16"	
401047	OAK	16"	
401048	OAK	16"	
401049	OAK	16"	
401050	OAK	16"	
401051	OAK	16"	
401052	OAK	16"	
401053	OAK	16"	
401054	OAK	16"	
401055	OAK	16"	
401056	OAK	16"	
401057	OAK	16"	
401058	OAK	16"	
401059	OAK	16"	
401060	OAK	16"	
401061	OAK	16"	
401062	OAK	16"	
401063	OAK	16"	
401064	OAK	16"	
401065	OAK	16"	
401066	OAK	16"	
401067	OAK	16"	
401068	OAK	16"	
401069	OAK	16"	
401070	OAK	16"	
401071	OAK	16"	
401072	OAK	16"	
401073	OAK	16"	
401074	OAK	16"	
401075	OAK	16"	
401076	OAK	16"	
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401090	OAK	16"	
401091	OAK	16"	
401092	OAK	16"	
401093	OAK	16"	
401094	OAK	16"	
401095	OAK	16"	
401096	OAK	16"	
401097	OAK	16"	
401098	OAK	16"	
401099	OAK	16"	
401100	OAK	16"	

**1 EROSION & SEDIMENT CONTROL PLAN**  
SCALE: 1" = 20'-0"



**EROSION & SEDIMENT CONTROL AND TREE PROTECTION REQUIREMENTS [LDC 25-7-61, 65, 25-8-181, 182, 183, 184]**

IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION MATTING. [ECM 1.4.4.B.3, SECTION 5.1]

ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN-COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS. [LDC 25-8-183]

CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER ECM 1.4.5(A), OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.

THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY. [ECM 1.4.4.D.4]

\*8" MULCH SHALL BE PLACED IN ANY PORTION OF THE CRZ WHERE TP FENCING CANNOT BE LOCATED. MULCH SHALL STAY IN PLACE UNTIL CONSTRUCTION OF APPROVED SITE ELEMENTS BEGINS.\*

**CONSTRUCTION SPOILS NOTE:**  
ALL SPOILS ARE TO BE PLACED BACK IN TRENCH EVERY NIGHT; OR IF SPOILS ARE TO REMAIN OVERNIGHT, SPOILS MUST BE PLACED UPHILL SIDE OF TRENCH WITHIN LOC.

**EROSION & SEDIMENTATION CONTROLS NOTES**

- A PRE CONSTRUCTION MEETING WITH THE ENVIRONMENTAL INSPECTOR IS REQUIRED PRIOR TO ANY SITE DISTURBANCE.
- EXISTING UTILITIES INDICATED ARE PROVIDED BY SURVEY AND FROM PREVIOUS DRAWINGS. CONTRACTOR TO FIELD VERIFY PRIOR TO ANY EXCAVATIONS.
- CONTRACTOR SHALL INSTALL EROSION/SEDIMENT CONTROLS AND TREE NATURAL PROTECTIVE FENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING, EXCAVATION, DEMOLITION, ETC.)
- SEE SHEET C200 & C201 FOR EROSION CONTROL DETAILS AND TREE PROTECTION NOTES.
- THE TOTAL AREA WITHIN THE LIMITS OF CONSTRUCTION IS 2.45 ACRES.
- TOPOGRAPHY SOURCE: AG3 GROUP (TBPLS #10194822)
- INLET PROTECTION SHALL BE PROVIDED FOR ALL EXISTING INLETS AS INDICATED SEE DETAIL SHEET.
- THE ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS AS PER LDC 25-8-183.
- IN GENERAL, NO SLOPES ON THE PROJECT SITE AND WITHIN THE LOC, EXCEED 15 PERCENT. THERE ARE SEVERAL LOCAL AREAS WHERE SLOPE MAY EXCEED 15 PERCENT.
- CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER ECM 1(D), OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
- TREE PROTECTIVE FENCING SHALL BE MAINTAINED AS SHOWN FOR THE DURATION OF THE PROJECT. DEMOLITION OF SOME ITEMS MAY OCCUR WITHIN THE FENCING. IN THESE CASES, REMOVE FENCING TO CONDUCT DEMOLITION AND PROMPTLY REPLACE.
- IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH TARP OR REVEGETATION MATTING. [ECM, SECTION 5.1]
- THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY. [ECM 1.4.4.D.4]

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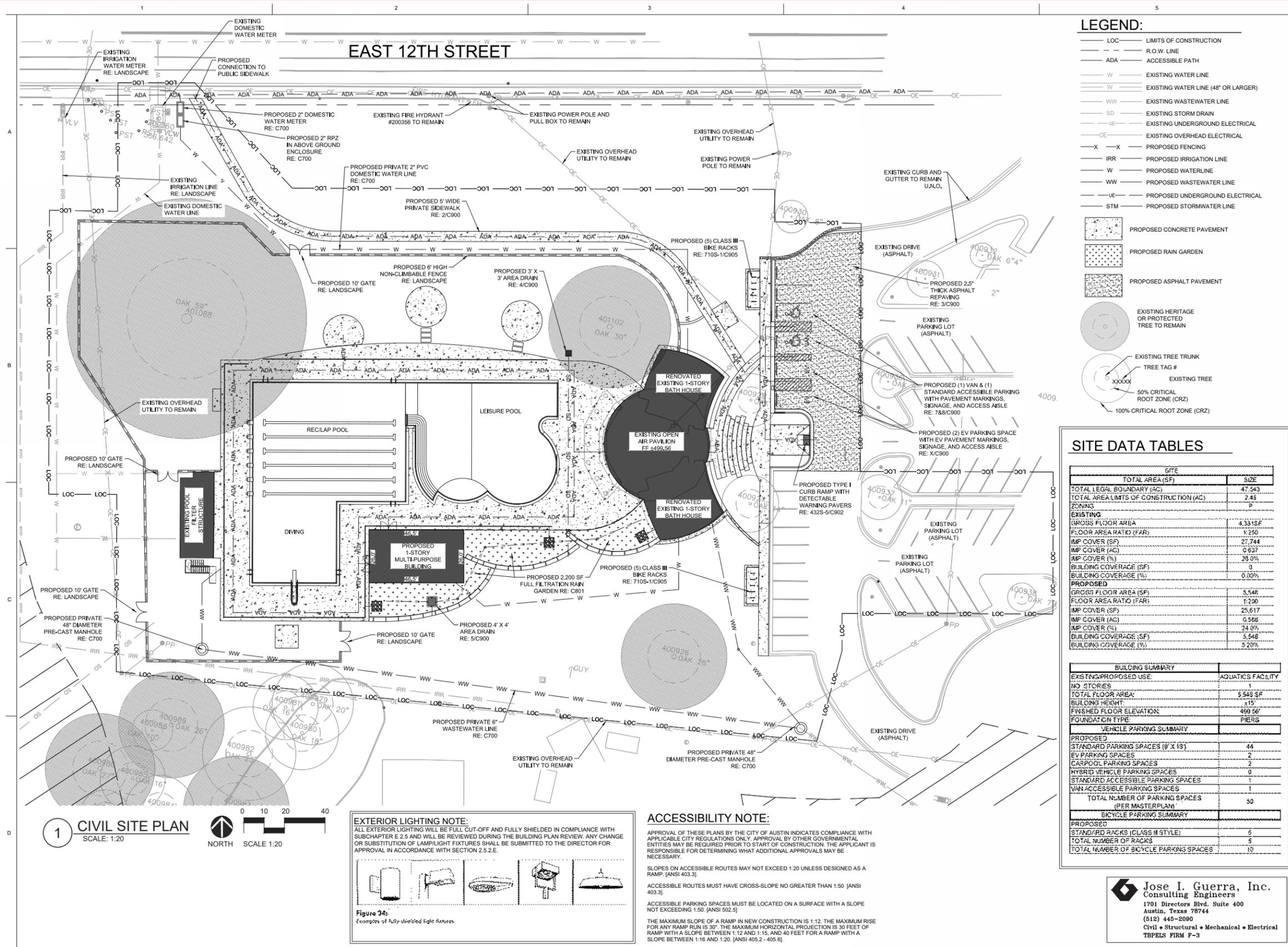
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11/18/21

**GIVENS DISTRICT PARK AQUATIC FACILITY**  
3811 E. 12TH ST., AUSTIN, TX 78721

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SHEET TITLE  
**EROSION & SEDIMENT CONTROL PLAN**  
SHEET NO.  
**C200**



- LEGEND:**
- LOC LIMITS OF CONSTRUCTION
  - R.O.W. LINE
  - ADA ACCESSIBLE PATH
  - W EXISTING WATER LINE
  - W EXISTING WATER LINE (48" OR LARGER)
  - WW EXISTING WASTEWATER LINE
  - SD EXISTING STORM DRAIN
  - UE EXISTING UNDERGROUND ELECTRICAL
  - OE EXISTING OVERHEAD ELECTRICAL
  - X-X PROPOSED FENCING
  - IRR PROPOSED IRRIGATION LINE
  - W PROPOSED WATERLINE
  - WW PROPOSED WASTEWATER LINE
  - UE PROPOSED UNDERGROUND ELECTRICAL
  - STM PROPOSED STORMWATER LINE

- PROPOSED CONCRETE PAVEMENT
- PROPOSED RAIN GARDEN
- PROPOSED ASPHALT PAVEMENT
- EXISTING HERITAGE OR PROTECTED TREE TO REMAIN
- EXISTING TREE TRUNK
- TREE TAG #
- XXXXXX
- EXISTING TREE
- 50% CRITICAL ROOT ZONE (CRZ)
- 100% CRITICAL ROOT ZONE (CRZ)

**SITE DATA TABLES**

SITE	
TOTAL AREA (SF)	SIZE
TOTAL LEGAL BOUNDARY (AC)	47.543
TOTAL AREA LIMITS OF CONSTRUCTION (AC)	2.43
ZONING	P
<b>EXISTING</b>	
GROSS FLOOR AREA	4,331 SF
FLOOR AREA RATIO (FAR)	1.250
IMP COVER (SF)	27,744
IMP COVER (AC)	0.637
IMP COVER (%)	28.0%
BUILDING COVERAGE (SF)	0
BUILDING COVERAGE (%)	0.00%
<b>PROPOSED</b>	
GROSS FLOOR AREA (SF)	5,548
FLOOR AREA RATIO (FAR)	1.290
IMP COVER (SF)	25,617
IMP COVER (AC)	0.588
IMP COVER (%)	24.0%
BUILDING COVERAGE (SF)	5,548
BUILDING COVERAGE (%)	5.20%

BUILDING SUMMARY	
EXISTING/PROPOSED USE	AQUATIC FACILITY
NO. STORIES	1
TOTAL FLOOR AREA	5,548 SF
BUILDING HEIGHT	115'
FINISHED FLOOR ELEVATION	489.56'
FOUNDATION TYPE	PIERS

VEHICLE PARKING SUMMARY	
PROPOSED STANDARD PARKING SPACES (8' X 13')	44
EV PARKING SPACES	2
CARPPOOL PARKING SPACES	2
HYBRID VEHICLE PARKING SPACES	0
STANDARD ACCESSIBLE PARKING SPACES	1
VAN ACCESSIBLE PARKING SPACES	1
TOTAL NUMBER OF PARKING SPACES (PER MASTER PLAN)	50

BICYCLE PARKING SUMMARY	
PROPOSED STANDARD RACKS (CLASS II STYLE)	5
TOTAL NUMBER OF RACKS	5
TOTAL NUMBER OF BICYCLE PARKING SPACES	10

**1 CIVIL SITE PLAN**  
SCALE: 1:20



**EXTERIOR LIGHTING NOTE:**  
ALL EXTERIOR LIGHTING WILL BE FULL CUT-OFF AND FULLY SHIELDED IN COMPLIANCE WITH SUBCHAPTER E 2.5 AND WILL BE REVIEWED DURING THE BUILDING PLAN REVIEW. ANY CHANGE OR SUBSTITUTION OF LAMPLIGHT FIXTURES SHALL BE SUBMITTED TO THE DIRECTOR FOR APPROVAL IN ACCORDANCE WITH SECTION 2.5.2.E.



**Figure 34:**  
Examples of fully-shielded light fixtures.

**ACCESSIBILITY NOTE:**

APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN INDICATES COMPLIANCE WITH APPLICABLE CITY REGULATIONS ONLY. APPROVAL BY OTHER GOVERNMENTAL ENTITIES MAY BE REQUIRED PRIOR TO START OF CONSTRUCTION. THE APPLICANT IS RESPONSIBLE FOR DETERMINING WHAT ADDITIONAL APPROVALS MAY BE NECESSARY.

SLOPES ON ACCESSIBLE ROUTES MAY NOT EXCEED 1:20 UNLESS DESIGNED AS A RAMP. [ANSI 403.3]

ACCESSIBLE ROUTES MUST HAVE CROSS-SLOPE NO GREATER THAN 1:50 [ANSI 403.3]

ACCESSIBLE PARKING SPACES MUST BE LOCATED ON A SURFACE WITH A SLOPE NOT EXCEEDING 1:50. [ANSI 502.5]

THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION IS 1:12. THE MAXIMUM SLOPE FOR ANY RAMP RUN IS 30°. THE MAXIMUM HORIZONTAL PROJECTION IS 30 FEET OF RAMP WITH A SLOPE BETWEEN 1:12 AND 1:16, AND 40 FEET FOR A RAMP WITH A SLOPE BETWEEN 1:16 AND 1:20. [ANSI 405.2 - 405.6]



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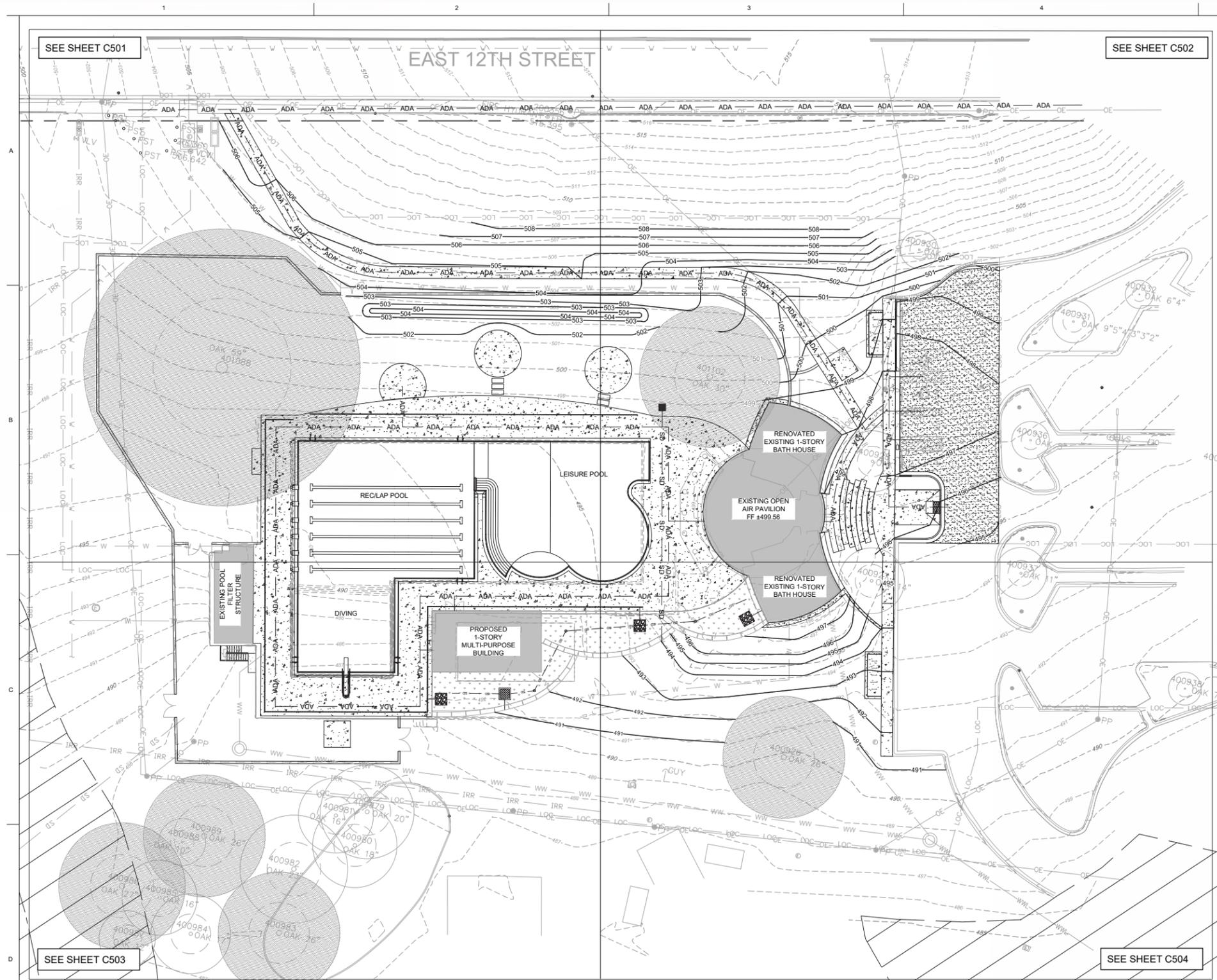
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SHEET TITLE  
CIVIL SITE PLAN

SHEET NO.  
**C400**

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TBPELS FIRM F-3



**LEGEND:**

---	R.O.W. LINE
---	LOC
---	LIMITS OF CONSTRUCTION
---	EXISTING 1' CONTOUR
---	PROPOSED 1' CONTOUR
---	ADA
---	ACCESSIBLE PATH

- SHEET NOTES**
1. THE CONSTRUCTION AREA SHALL BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL AND ORGANIC MATTER FROM ALL AREAS TO BE OCCUPIED BY BUILDING AND PAVING. TOPSOIL FOR REPLACEMENT ON SLOPES MAY BE STOCKPILED ON SITE. EXCESS TOPSOIL MAY BE WASTED IN FILL SLOPES PROVIDED THAT NO TOPSOIL WILL BE WASTED WITHIN 10 FEET OF THE EDGE OF THE BUILDING OR PARKING AREA.
  2. AREAS TO RECEIVE FILL SHALL BE SCARIFIED AND THE TOP 8-INCH DEPTH COMPACTED TO 95% STANDARD PROCTOR DENSITY. ANY UNSUITABLE AREAS SHALL BE UNDERCUT AND REPLACED WITH SUITABLE MATERIAL BEFORE ANY FILL MATERIAL CAN BE APPLIED.
  3. OFF-SITE FILL MATERIAL SHALL HAVE A PLASTICITY INDEX BETWEEN 10 AND 25, A LIQUID LIMIT OF 45 OR LESS AND CONTAIN NO ROCK LARGER THAN FOUR INCHES. OFF-SITE FILL MATERIAL SHALL BE APPROVED BY THE OWNER PRIOR TO BRINGING ON SITE.
  4. AREA THAT ARE TO BE CUT TO SUBGRADE LEVELS SHALL BE PROOF ROLLED WITH A MODERATELY HEAVY LOADED DUMP TRUCK OR SIMILAR APPROVED CONSTRUCTION EQUIPMENT TO DETECT UNSUITABLE SOIL CONDITIONS.
  5. IN ALL AREAS OF EXCAVATION, IF UNSUITABLE SOIL CONDITIONS ARE ENCOUNTERED, A QUALIFIED GEOTECHNICAL ENGINEER SHALL RECOMMEND TO THE OWNER THE METHODS OF UNDERCUTTING AND REPLACEMENT OF PROPERLY COMPACTED, APPROVED FILL MATERIAL. ALL PROOFROLLING AND UNDERCUTTING SHOULD BE PERFORMED DURING A PERIOD OF DRY WEATHER.
  6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION AND THE EROSION AND SEDIMENT MITIGATION GUIDELINES IN THE EROSION AND SEDIMENT CONTROLS PLAN.
  7. ALL SLOPES ARE TO BE 3:1 OR FLATTER UNLESS OTHERWISE INDICATED.
  8. ALL SLOPES EXCEEDING 3:1 SHALL BE PROTECTED BY RIP RAP, CONCRETE PAVING, OR OTHER METHODS INDICATED ON THESE PLANS, THAT WILL PREVENT EROSION AND PLACED SUCH THAT THE SURFACE IS FLUSH WITH SURROUNDING GROUND AND SHAPED TO CHANNEL WATER IN DIRECTION INDICATED. RIP-RAP SHALL ONLY BE USED IN THE AREAS SHOWN ON THE PLANS.
  9. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH AND FOUR INCHES OF TOPSOIL APPLIED. IF ADEQUATE TOPSOIL IS NOT AVAILABLE ON-SITE, THE CONTRACTOR SHALL PROVIDE TOPSOIL, APPROVED BY THE OWNER, AS NEEDED. THE AREA SHALL THEN BE SEEDED, FERTILIZED, MULCHED, WATERED AND MAINTAINED UNTIL HARDY GRASS GROWTH IS ESTABLISHED IN ALL AREAS. ANY AREAS DISTURBED FOR ANY REASON SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER PRIOR TO FINAL ACCEPTANCE OF THE PROJECT.
  10. CONTRACTOR SHALL USE SILT FENCE OR OTHER MEANS OF CONTROLLING EROSION ALONG THE EDGE OF THE PROPERTY OR OTHER BOTTOM OF SLOPE LOCATIONS.
  11. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS.
  12. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.
  13. IT IS NOT THE DUTY OF THE ENGINEER OR THE OWNER TO REVIEW THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE AT ANY TIME DURING CONSTRUCTION.
  14. PIPE LENGTHS ARE CENTER TO CENTER OF STRUCTURE OR TO END OF END SECTION.
  15. HANDICAP STALLS SHALL MEET ADA REQUIREMENTS AND SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION AT THE BUILDING ENTRY AND ACCESSIBLE PARKING STALLS. SLOPES EXCEEDING 2% WILL BE REPLACED AT CONTRACTOR'S EXPENSE.



**60% CONSTRUCTION DOCUMENTS**

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11/18/21

**GIVENS DISTRICT PARK AQUATIC FACILITY**

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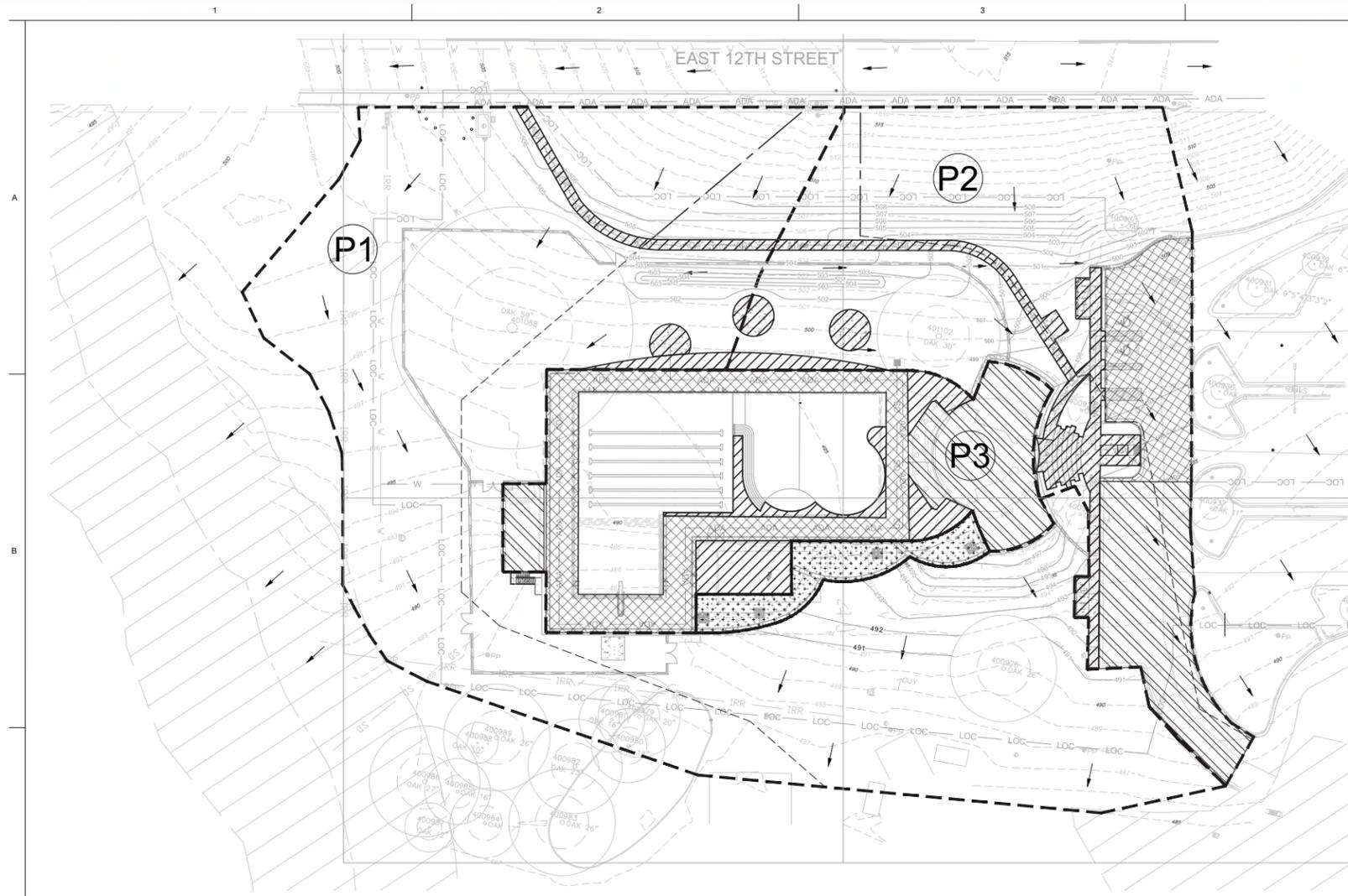
SHEET TITLE  
**OVERALL GRADING & DRAINAGE REFERENCE PLAN**

SHEET NO.  
**C500**

**Jose I. Guerra, Inc.**  
Consulting Engineers  
1701 Directors Blvd. Suite 400  
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Civil • Structural • Mechanical • Electrical  
TBPELS FIRM F-3

**1 OVERALL GRADING & DRAINAGE REFERENCE PLAN**  
SCALE: 1" = 20'





**LEGEND:**

- - - 500 - - - EXISTING CONTOURS
- SHEET FLOW
- - - SHALLOW CONCENTRATED FLOW
- - - CHANNELIZED FLOW
- [Hatched Box] BASE IMPERVIOUS COVER
- [Cross-hatched Box] MAINTENANCE IMPERVIOUS COVER
- [Diagonal Hatched Box] NEW IMPERVIOUS COVER
- [Dashed Box] DRAINAGE BASIN
- [Stippled Box] PROPOSED RAIN GARDEN
- FLOW ARROW
- (P1) DRAINAGE BASIN NUMBER

**PROPOSED IMPERVIOUS COVER SUMMARY**

TYPE	SQ FT	ACRES
NEW IMPERVIOUS	8,856	0.20
MAINTENANCE IMPERVIOUS	11,582	0.27
BASE IMPERVIOUS	10,639	0.24

**IMPERVIOUS COVER SUMMARY**

	SQ FT	ACRES	% IMPERVIOUS
EXISTING IMPERVIOUS	22,221	0.5101	
PROPOSED IMPERVIOUS	8,856	0.2033	
<b>Δ =</b>	<b>31,077</b>	<b>0.7134</b>	

**OFF-SITE DRAINAGE NOTES:**

- OFF-SITE FLOWS WILL NOT BE IMPEDED.
- SHEET FLOW CONDITIONS OF OFF-SITE FLOW THROUGH SITE ARE MAINTAINED.

**2-YR ON-SITE STORM RUNOFF COMPLIANCE**

PER ECM 1.6.8 AND LDC 25-7-61(B)(3), REQUIRED ON-SITE CONTROL OF THE TWO-YEAR STORM IS ACHIEVED WHEN THE DEVELOPED-CONDITIONS PEAK RUNOFF RATE LEAVING THE SITE FOR A GIVEN DRAINAGE AREA IS LESS THAN OR EQUAL TO THE EXISTING-CONDITIONS RUNOFF RATE. A SUMMARY OF THE 2-YEAR ON-SITE PRE AND POST DEVELOPMENT DISCHARGE RATE ARE PROVIDED BELOW.

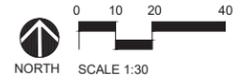
ON-SITE PRE-DEVELOPMENT 2-YR STORM RUNOFF	xxx CFS
ON-SITE POST-DEVELOPMENT 2-YR STORM RUNOFF	xxx CFS

**DRAINAGE ANALYSIS NOTES:**

- THE SUBJECT PROPERTY IS LOCATED IN ZONE 2 PER DCM FIGURE 2.2, CITY OF AUSTIN STUDY AREA.
- THE RATIONAL METHOD HAS BEEN USED TO CALCULATE STORM RUNOFF IN ACCORDANCE WITH DCM 2.1.
- THE CALCULATIONS PRESENTED THIS SHEET UTILIZES UPDATED NOAA ATLAS 14 - PRECIPITATION FREQUENCY DATA THAT HAVE GONE INTO EFFECT ON JANUARY 13, 2020.

ECM 1.6.8 REGARDING THE ON-SITE CONTROL OF THE TWO-YEAR STORM FOR EROSION CONTROL PURPOSES IS BEING ADDRESSED BY REDUCING THE POST DEVELOPMENT IMPERVIOUS COVER BY ±0.02 AC.

**1 POST-DEVELOPMENT DRAINAGE MAP**  
SCALE: 1:30



Area	SIZE (ACRES)	IMPERVIOUS COVER (ACRES)	GRASS - FAIR CONDITION (ACRES)	GRASS - GOOD CONDITION (ACRES)	COMPOSITE CN
P1	1.50	0.94	0.85	0.71	82.5
P2	0.82	0.33	0.31	0.18	86.7
P3	0.35	0.45	0.00	0.00	98.0
<b>TOTAL:</b>	<b>2.77</b>	<b>0.82</b>	<b>1.16</b>	<b>0.89</b>	<b>84.8</b>

AREA	OVERLAND FLOW			SHALLOW CONCENTRATED			CHANNELIZED FLOW			TIME OF CONCENTRATION		
	SLOPE %	DISTANCE (FT)	TIME (MIN)	SLOPE %	DISTANCE (FT)	TIME (MIN)	SLOPE %	DISTANCE (FT)	VELOCITY (FT/SEC)	TIME (MIN)	DESIGN TO DESIGN TO (HRS)	
P1	11.00	100	4.89	4.8	115	2.07	-	-	0.00	6.44	6.94	0.107
P2	10.00	50	2.34	4.6	357	1.72	-	-	0.00	4.76	5	0.083
P3	7.00	100	8.66	-	-	-	-	-	0.00	8.66	8.66	0.144

Area	Q2 (CFS)	Q10 (CFS)	Q25 (CFS)	C100 (CFS)	NOTES
P1	9.84	16.60	21.60	29.77	
P2	10.88	17.98	23.39	31.50	
P3	6.00	10.27	13.07	17.74	
POA-RAIN GARDEN 1					SLOW IN FLOW OUT
POA-RAIN GARDEN 2					SLOW IN FLOW OUT
MAX WATER STORAGE (FT)					
MAX PUMP STORAGE (AC FT)					

**RUNOFF SUMMARY (PRE-POST COMPARISON)**

POINT OF ANALYSIS	STORM EVENT	EXISTING FLOW (CFS)	DEFENTION STORAGE (AC FT)	PROPOSED W/ DEFENTION (CFS)	NET CHANGE (CFS) (PROPOSED-EXIST)
P1	2-YR	N/A	N/A	3.83	0.00
P2	10-YR	N/A	N/A	5.81	0.00
P3	25-YR	N/A	N/A	7.20	0.00
TOTAL	100-YR	N/A	N/A	9.42	0.00

**RUNOFF SUMMARY (PRE-POST COMPARISON)**

POINT OF ANALYSIS	STORM EVENT	EXISTING FLOW (CFS)	DEFENTION STORAGE (AC FT)	PROPOSED W/ DEFENTION (CFS)	NET CHANGE (CFS) (PROPOSED-EXIST)
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**RUNOFF SUMMARY (PRE-POST COMPARISON)**

POINT OF ANALYSIS	STORM EVENT	EXISTING FLOW (CFS)	DEFENTION STORAGE (AC FT)	PROPOSED W/ DEFENTION (CFS)	NET CHANGE (CFS) (PROPOSED-EXIST)
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P3	25-YR	N/A	N/A	7.20	0.00
TOTAL	100-YR	N/A	N/A	9.42	0.00

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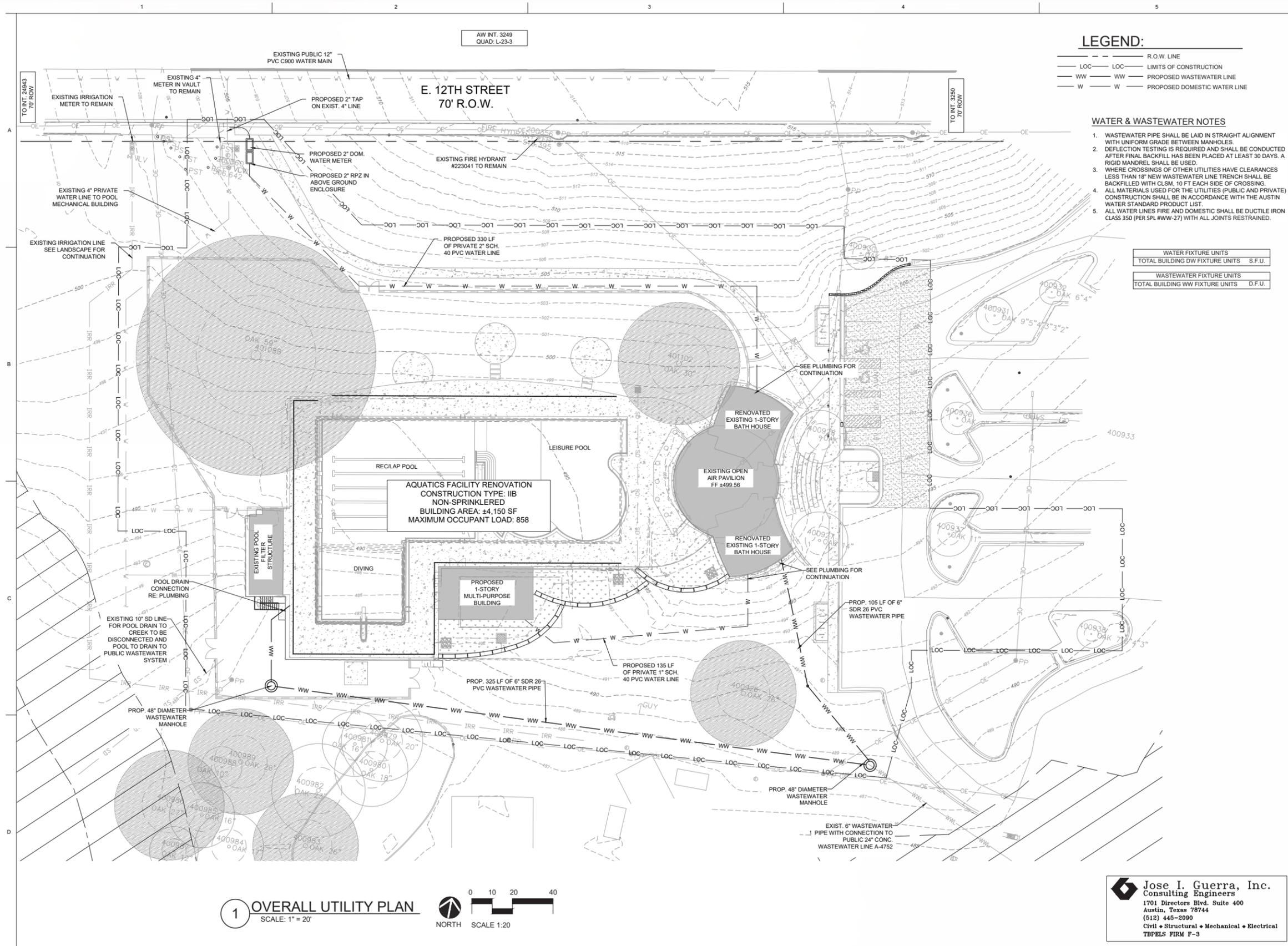
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**GIVENS DISTRICT PARK AQUATIC FACILITY**  
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SHEET TITLE  
**POST-DEVELOPMENT DRAINAGE MAP**

SHEET NO.  
**C601**



**LEGEND:**

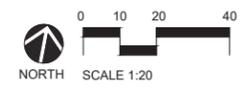
- R.O.W. LINE
- LOC --- LIMITS OF CONSTRUCTION
- WW --- PROPOSED WASTEWATER LINE
- W --- PROPOSED DOMESTIC WATER LINE

**WATER & WASTEWATER NOTES**

1. WASTEWATER PIPE SHALL BE LAID IN STRAIGHT ALIGNMENT WITH UNIFORM GRADE BETWEEN MANHOLES.
2. DEFLECTION TESTING IS REQUIRED AND SHALL BE CONDUCTED AFTER FINAL BACKFILL HAS BEEN PLACED AT LEAST 30 DAYS. A RIGID MANDREL SHALL BE USED.
3. WHERE CROSSINGS OF OTHER UTILITIES HAVE CLEARANCES LESS THAN 18" NEW WASTEWATER LINE TRENCH SHALL BE BACKFILLED WITH CLSM. 10 FT EACH SIDE OF CROSSING.
4. ALL MATERIALS USED FOR THE UTILITIES (PUBLIC AND PRIVATE) CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE AUSTIN WATER STANDARD PRODUCT LIST.
5. ALL WATER LINES FIRE AND DOMESTIC SHALL BE DUCTILE IRON CLASS 350 (PER SPL #WW-27) WITH ALL JOINTS RESTRAINED.

WATER FIXTURE UNITS	
TOTAL BUILDING DW FIXTURE UNITS	S.F.U.
WASTEWATER FIXTURE UNITS	
TOTAL BUILDING WW FIXTURE UNITS	D.F.U.

**1 OVERALL UTILITY PLAN**  
SCALE: 1" = 20'



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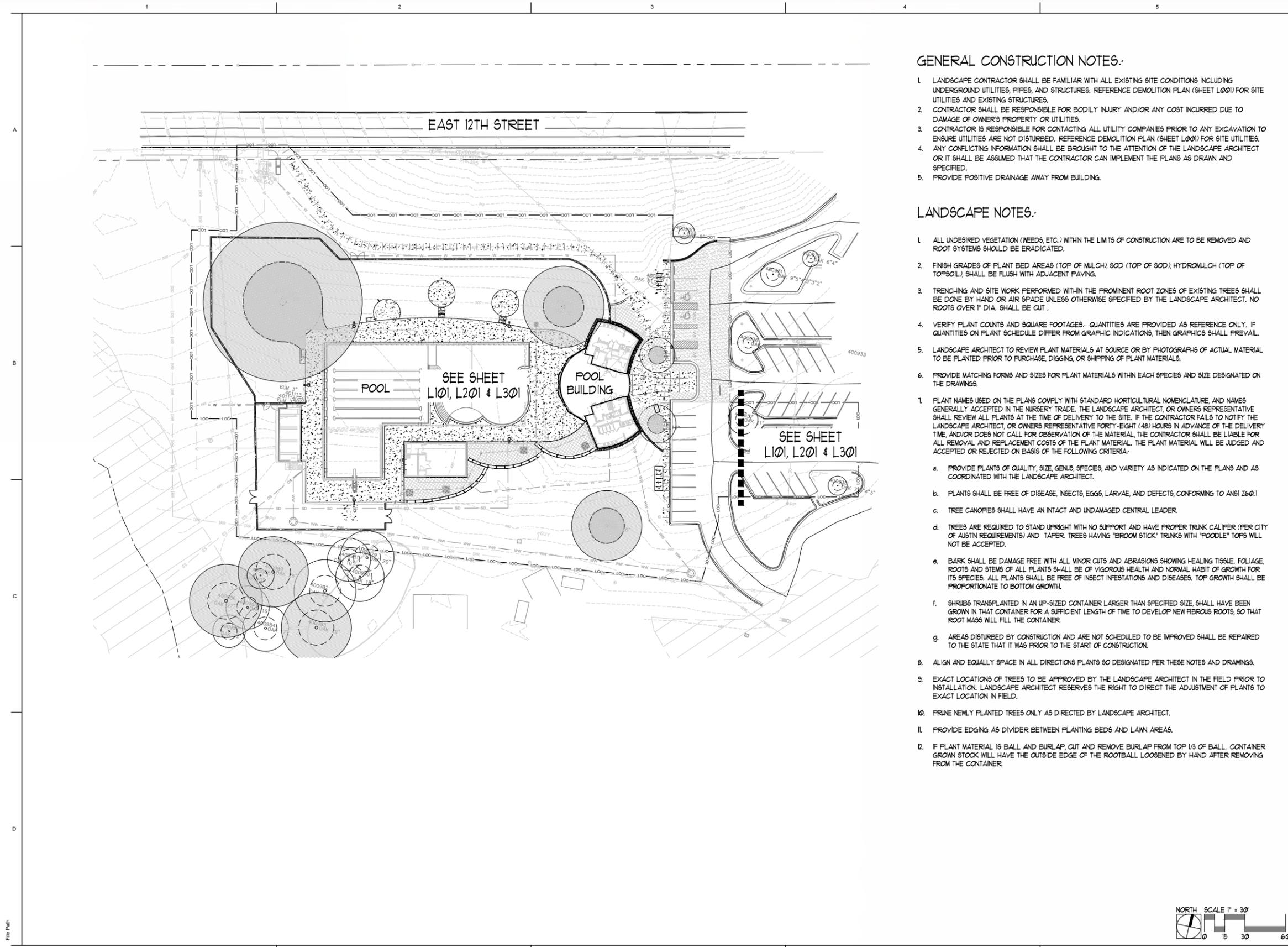
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SHEET TITLE  
OVERALL UTILITY PLAN

SHEET NO.  
**C700**



**GENERAL CONSTRUCTION NOTES:**

1. LANDSCAPE CONTRACTOR SHALL BE FAMILIAR WITH ALL EXISTING SITE CONDITIONS INCLUDING UNDERGROUND UTILITIES, PIPES, AND STRUCTURES. REFERENCE DEMOLITION PLAN (SHEET L001) FOR SITE UTILITIES AND EXISTING STRUCTURES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR BODILY INJURY AND/OR ANY COST INCURRED DUE TO DAMAGE OF OWNER'S PROPERTY OR UTILITIES.
3. CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES PRIOR TO ANY EXCAVATION TO ENSURE UTILITIES ARE NOT DISTURBED. REFERENCE DEMOLITION PLAN (SHEET L001) FOR SITE UTILITIES.
4. ANY CONFLICTING INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT OR IT SHALL BE ASSUMED THAT THE CONTRACTOR CAN IMPLEMENT THE PLANS AS DRAWN AND SPECIFIED.
5. PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDING.

**LANDSCAPE NOTES:**

1. ALL UNDESIRABLE VEGETATION (WEEDS, ETC.) WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED AND ROOT SYSTEMS SHOULD BE ERADICATED.
2. FINISH GRADES OF PLANT BED AREAS (TOP OF MULCH), SOD (TOP OF SOD), HYDROMULCH (TOP OF TOPSOIL), SHALL BE FLUSH WITH ADJACENT PAVING.
3. TRENCHING AND SITE WORK PERFORMED WITHIN THE PROMINENT ROOT ZONES OF EXISTING TREES SHALL BE DONE BY HAND OR AIR SPADE UNLESS OTHERWISE SPECIFIED BY THE LANDSCAPE ARCHITECT. NO ROOTS OVER 1" DIA. SHALL BE CUT.
4. VERIFY PLANT COUNTS AND SQUARE FOOTAGES. QUANTITIES ARE PROVIDED AS REFERENCE ONLY. IF QUANTITIES ON PLANT SCHEDULE DIFFER FROM GRAPHIC INDICATIONS, THEN GRAPHICS SHALL PREVAIL.
5. LANDSCAPE ARCHITECT TO REVIEW PLANT MATERIALS AT SOURCE OR BY PHOTOGRAPHS OF ACTUAL MATERIAL TO BE PLANTED PRIOR TO PURCHASE, DIGGING, OR SHIPPING OF PLANT MATERIALS.
6. PROVIDE MATCHING FORMS AND SIZES FOR PLANT MATERIALS WITHIN EACH SPECIES AND SIZE DESIGNATED ON THE DRAWINGS.
7. PLANT NAMES USED ON THE PLANS COMPLY WITH STANDARD HORTICULTURAL NOMENCLATURE, AND NAMES GENERALLY ACCEPTED IN THE NURSERY TRADE. THE LANDSCAPE ARCHITECT, OR OWNER'S REPRESENTATIVE SHALL REVIEW ALL PLANTS AT THE TIME OF DELIVERY TO THE SITE. IF THE CONTRACTOR FAILS TO NOTIFY THE LANDSCAPE ARCHITECT, OR OWNER'S REPRESENTATIVE FORTY-EIGHT (48) HOURS IN ADVANCE OF THE DELIVERY TIME, AND/OR DOES NOT CALL FOR OBSERVATION OF THE MATERIAL, THE CONTRACTOR SHALL BE LIABLE FOR ALL REMOVAL AND REPLACEMENT COSTS OF THE PLANT MATERIAL. THE PLANT MATERIAL WILL BE JUDGED AND ACCEPTED OR REJECTED ON BASIS OF THE FOLLOWING CRITERIA:
  - a. PROVIDE PLANTS OF QUALITY, SIZE, GENUS, SPECIES, AND VARIETY AS INDICATED ON THE PLANS AND AS COORDINATED WITH THE LANDSCAPE ARCHITECT.
  - b. PLANTS SHALL BE FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS, CONFORMING TO ANSI Z60.1
  - c. TREE CANOPIES SHALL HAVE AN INTACT AND UNDAMAGED CENTRAL LEADER.
  - d. TREES ARE REQUIRED TO STAND UPRIGHT WITH NO SUPPORT AND HAVE PROPER TRUNK CALIFER (PER CITY OF AUSTIN REQUIREMENTS) AND TAPER. TREES HAVING "BROOM STICK" TRUNKS WITH "FOODLE" TOPS WILL NOT BE ACCEPTED.
  - e. BARK SHALL BE DAMAGE FREE WITH ALL MINOR CUTS AND ABRASIONS SHOWING HEALING TISSUE. FOLIAGE, ROOTS AND STEMS OF ALL PLANTS SHALL BE OF VIGOROUS HEALTH AND NORMAL HABIT OF GROWTH FOR ITS SPECIES. ALL PLANTS SHALL BE FREE OF INSECT INFESTATIONS AND DISEASES. TOP GROWTH SHALL BE PROPORTIONATE TO BOTTOM GROWTH.
  - f. SHRUBS TRANSPLANTED IN AN UP-SIZED CONTAINER LARGER THAN SPECIFIED SIZE, SHALL HAVE BEEN GROWN IN THAT CONTAINER FOR A SUFFICIENT LENGTH OF TIME TO DEVELOP NEW FIBROUS ROOTS, SO THAT ROOT MASS WILL FILL THE CONTAINER.
  - g. AREAS DISTURBED BY CONSTRUCTION AND ARE NOT SCHEDULED TO BE IMPROVED SHALL BE REPAIRED TO THE STATE THAT IT WAS PRIOR TO THE START OF CONSTRUCTION.
8. ALIGN AND EQUALLY SPACE IN ALL DIRECTIONS PLANTS SO DESIGNATED PER THESE NOTES AND DRAWINGS.
9. EXACT LOCATIONS OF TREES TO BE APPROVED BY THE LANDSCAPE ARCHITECT IN THE FIELD PRIOR TO INSTALLATION. LANDSCAPE ARCHITECT RESERVES THE RIGHT TO DIRECT THE ADJUSTMENT OF PLANTS TO EXACT LOCATION IN FIELD.
10. PRUNE NEWLY PLANTED TREES ONLY AS DIRECTED BY LANDSCAPE ARCHITECT.
11. PROVIDE EDGING AS DIVIDER BETWEEN PLANTING BEDS AND LAWN AREAS.
12. IF PLANT MATERIAL IS BALL AND BURLAP, CUT AND REMOVE BURLAP FROM TOP 1/3 OF BALL. CONTAINER GROWN STOCK WILL HAVE THE OUTSIDE EDGE OF THE ROOTBALL LOOSENED BY HAND AFTER REMOVING FROM THE CONTAINER.



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**NEW AQUATIC FACILITY  
 GIVENS PARK DISTRICT PARK**  
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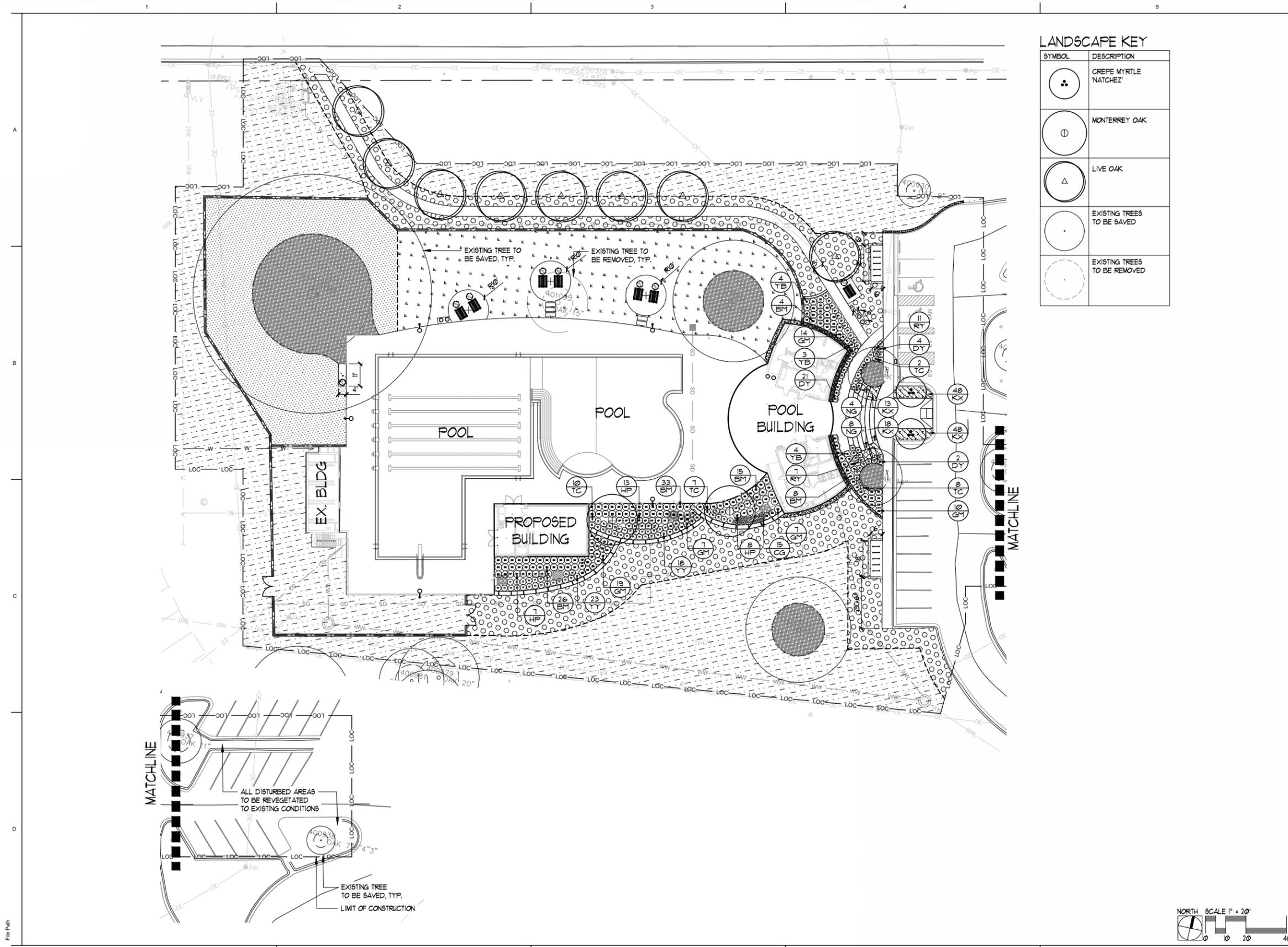
SHEET TITLE  
**OVERALL PLAN**

SHEET NO.  
**L100**



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**LANDSCAPE KEY**

SYMBOL	DESCRIPTION
	CREPE MYRTLE 'NATCHEZ'
	MONTERREY OAK
	LIVE OAK
	EXISTING TREES TO BE SAVED
	EXISTING TREES TO BE REMOVED



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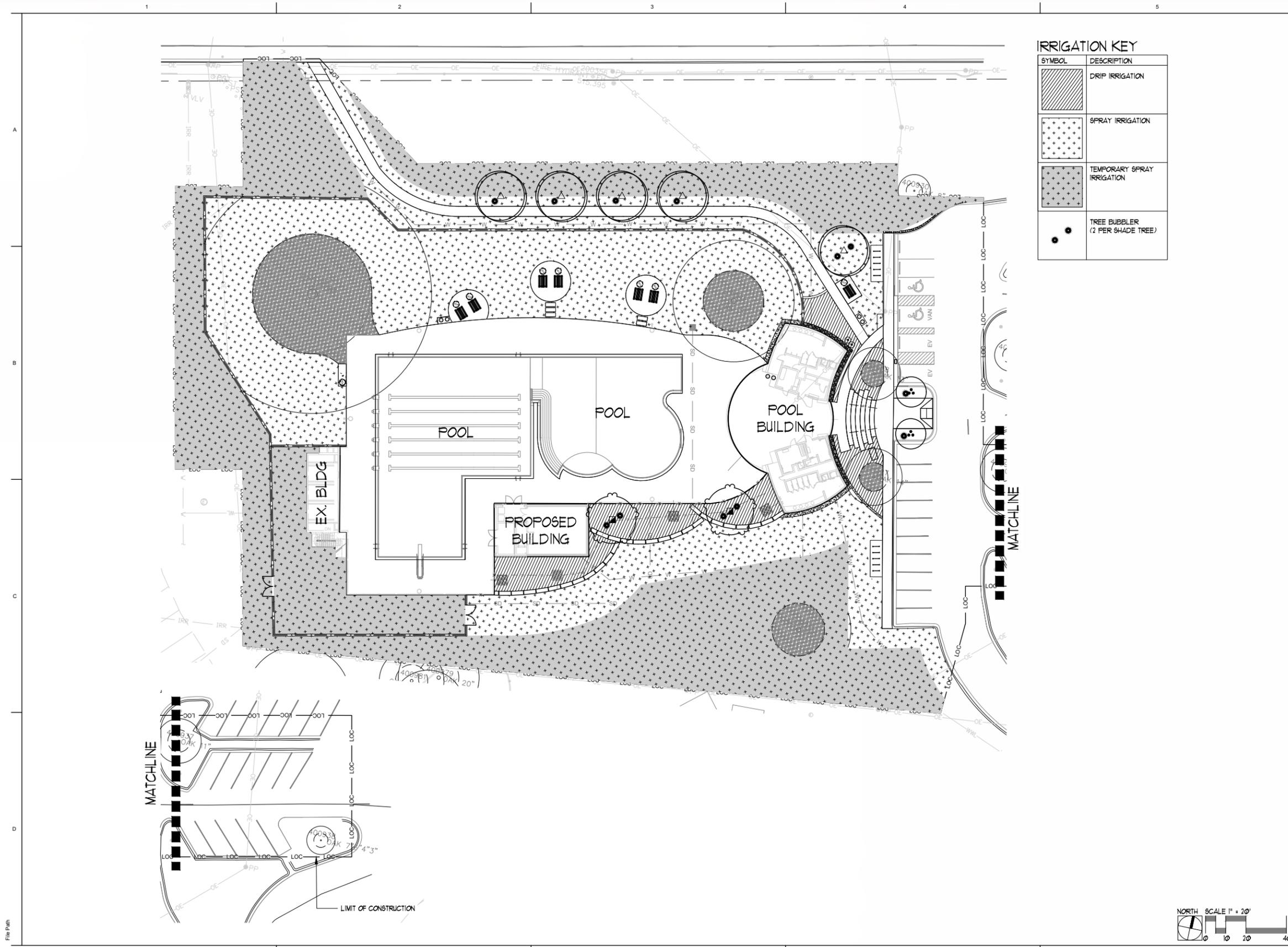
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SHEET TITLE  
**LANDSCAPE PLAN**

SHEET NO.  
**L201**

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**IRRIGATION KEY**

SYMBOL	DESCRIPTION
	DRIP IRRIGATION
	SPRAY IRRIGATION
	TEMPORARY SPRAY IRRIGATION
	TREE BUBBLER (2 PER SHADE TREE)



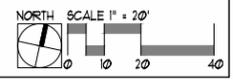
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SHEET TITLE  
**IRRIGATION PLAN**

SHEET NO.  
**L301**



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