

Parkhill

255 North Center Street
Suite 100
Arlington, Texas 76011

Phone: 817.649.3216
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TROPHY CLUB TOWN COUNCIL

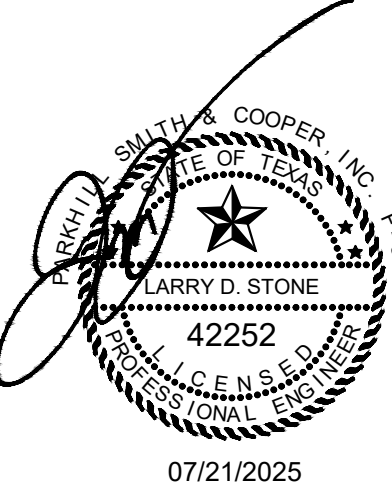
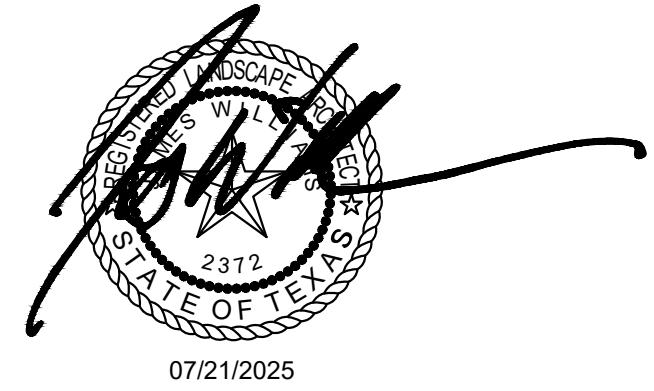
JEANNETTE TIFFANY - Mayor
STEVE FLYNN - Mayor Pro Tem
STACEY BAUER
JEFF BEACH
DENNIS SHERIDAN
RHYLAN ROWE
GARRY ASH

TROPHY CLUB PARKS & RECREATION BOARD

JENNIFER KASHNER - Chair JEFFERY EASON
PATRICK SCHREIN STEVEN GREGORY FORD
ROBERT FERGUSON DANA KIZER
GARY ROBERT PACKAN

BRANDON WRIGHT - Town Manager

CHASE ELLIS - Director of Parks & Recreation
MADISON SEIL - Recreation Superintendent
JORGE GUZMAN - Parks Superintendent



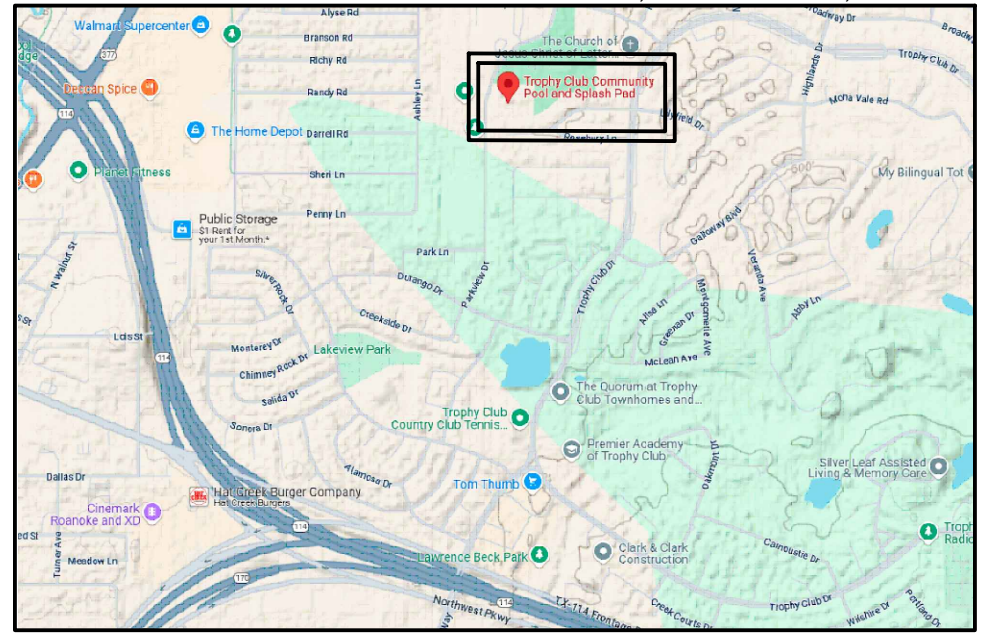
TC Pool Renovation

TOWN OF TROPHY CLUB

Issue for Proposal Construction Documents

July 21, 2025

LOCATION MAP
500 PARKVIEW DRIVE, TROPHY CLUB, TX 76262



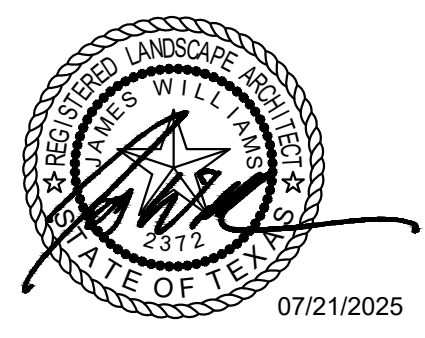
Parkhill Job No. 42997.24

SHEET INDEX

Sheet Number	Sheet Title	Issue for Proposal 07/21/2025				
GENERAL						
G-000	Cover Sheet	✓				
G-001	Sheet Index	✓				
CIVIL						
CE100	Erosion Control Plan	✓				
CE501	Erosion Control Details	✓				
CH001	Drainage Area Map	✓				
CH100	Storm Drain Layout	✓				
CH501	Drainage Details	✓				
LANDSCAPE						
LX100	Existing Conditions & Removal Plan	✓				
LX500	Tree Protection Details	✓				
LC100	Construction Layout	✓				
LC101	Coordinate Layout	✓				
LC102	Coordinate Schedule	✓				
LG100	Grading Plan	✓				
LH100	Paving & Jointing Plan	✓				
LP100	Planting Plan	✓				
LP500	Planting Materials	✓				
LP501	Planting Details	✓				
LP502	Planting Details	✓				
LD500	Site Details	✓				
LD501	Site Details	✓				
LD510	Shade Structures	✓				
LD511	Leisure Pool Shade Structure	✓				
LI100	Irrigation Plan	✓				
LI500	Irrigation Details	✓				
POOL						
D-100	Demolition Plan	✓				
D-101	Demolition Details	✓				
PL100	Overall Aquatic Plan	✓				
PL101	General Details and Schedules	✓				
PL110	Pool A - Leisure Pool Plan	✓				
PL111	Pool A - Leisure Pool Dimension Plan	✓				
PL112	Pool A - Leisure Pool Sections	✓				
PL113	Pool A - Leisure Pool Details	✓				
PL114	Pool A - Leisure Pool Details	✓				
PL120	Pool B - Slide Complex	✓				
PL121	Pool B - Slide Complex Details	✓				
PL200	Structural Notes, Plan(s) and Schedule	✓				
PL201	Structural Plan(s) and Sections	✓				

SHEET INDEX

Sheet Number	Sheet Title	Issue for Proposal 07/21/2025				
PL202	Structural Plan(s) and Details	✓				
PL210	Structural Details	✓				
PL211	Structural Details	✓				
PL212	Structural Details	✓				
PL300	Existing Piping Plan	✓				
PL301	General Notes	✓				
PL302	General Details	✓				
PL310	Pool A - Piping Plan	✓				
PL320	Pool B - Piping Plan	✓				
PL400	Mechanical Details	✓				
PL401	Mechanical Details	✓				
PL510	Pool A Mechanical Schematic (UV Replacement)	✓				
PL520	Existing Lap Pool Mechanical Schematic (UV Replacement)	✓				
PL521	System B Mechanical/Electrical Schematic	✓				
ELECTRICAL						
E-100	Electrical Site Plan	✓				



Trophy Club Community
Pool Renovation

Trophy Club, TX



CLIENT
Town of Trophy Club
1 Trophy Wood Drive
Trophy Club, TX 76262

PROJECT NO.
42997.24

#	DATE	DESCRIPTION
-	07/21/2025	Issue for Proposal

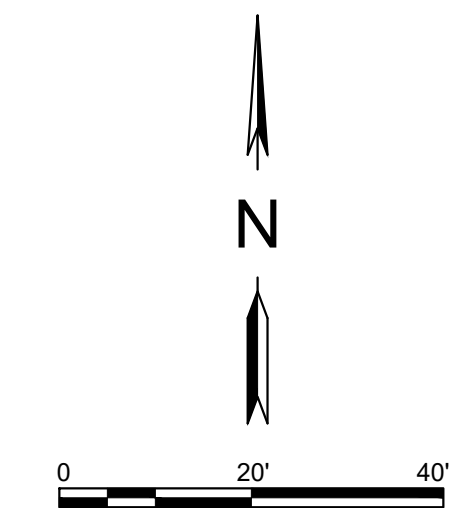
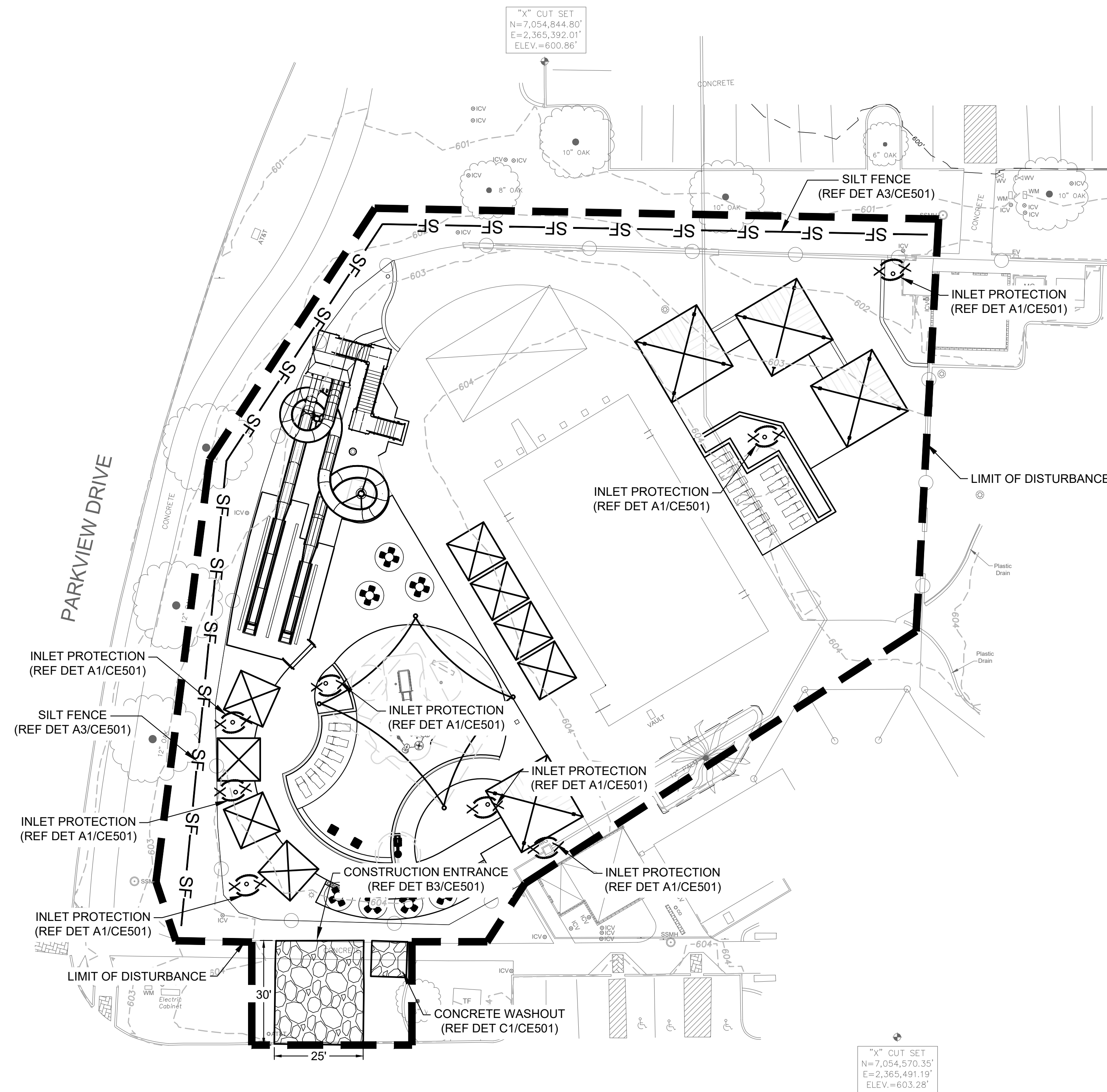
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LEGEND

- 568 EXISTING 1' CONTOUR
- 565 EXISTING 5' CONTOUR
- LIMIT OF DISTURBANCE
- SILT FENCE
- INLET PROTECTION
- CONSTRUCTION ENTRANCE / WASHOUT

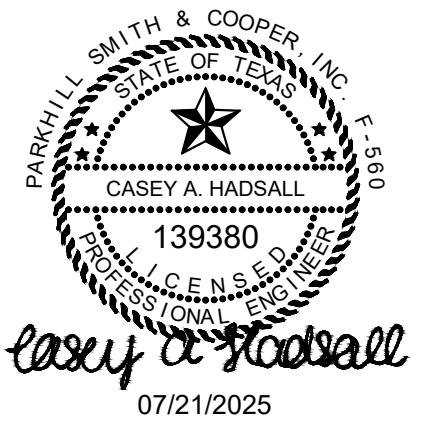
TOTAL DISTURBED AREA: 0.83 ACRES



CONTROL POINT #1 "X" CUT SET	CONTROL POINT #2 "X" CUT/TBM	CONTROL POINT #3 SET 5/8" OC/BASE
N - 7054570.35 E - 2365491.19 ELEV. - 603.28	N - 7054464.47 E - 2365359.06 ELEV. - 605.11	N - 7054467.19 E - 2365349.77 ELEV. - 604.76

EXISTING UTILITIES
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**Trophy Club Community
Pool Renovation**
Trophy Club, TX

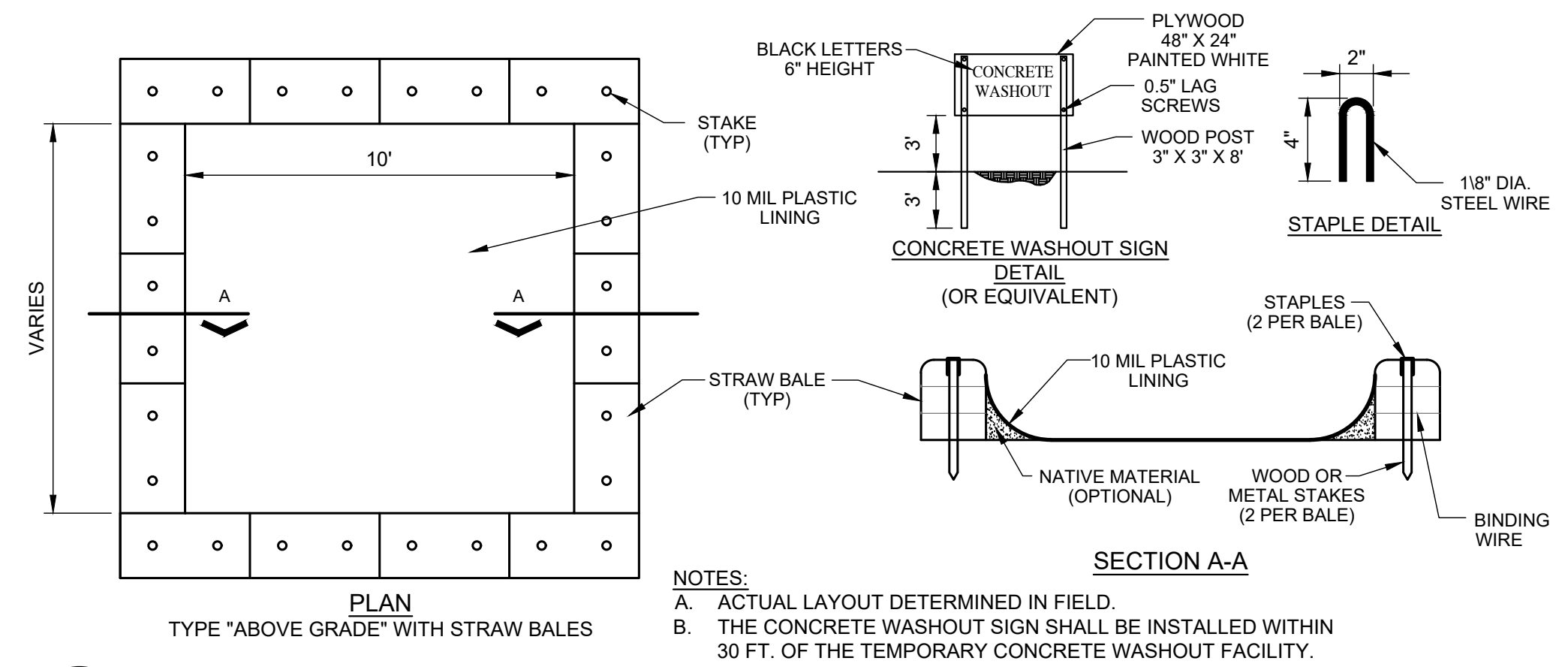


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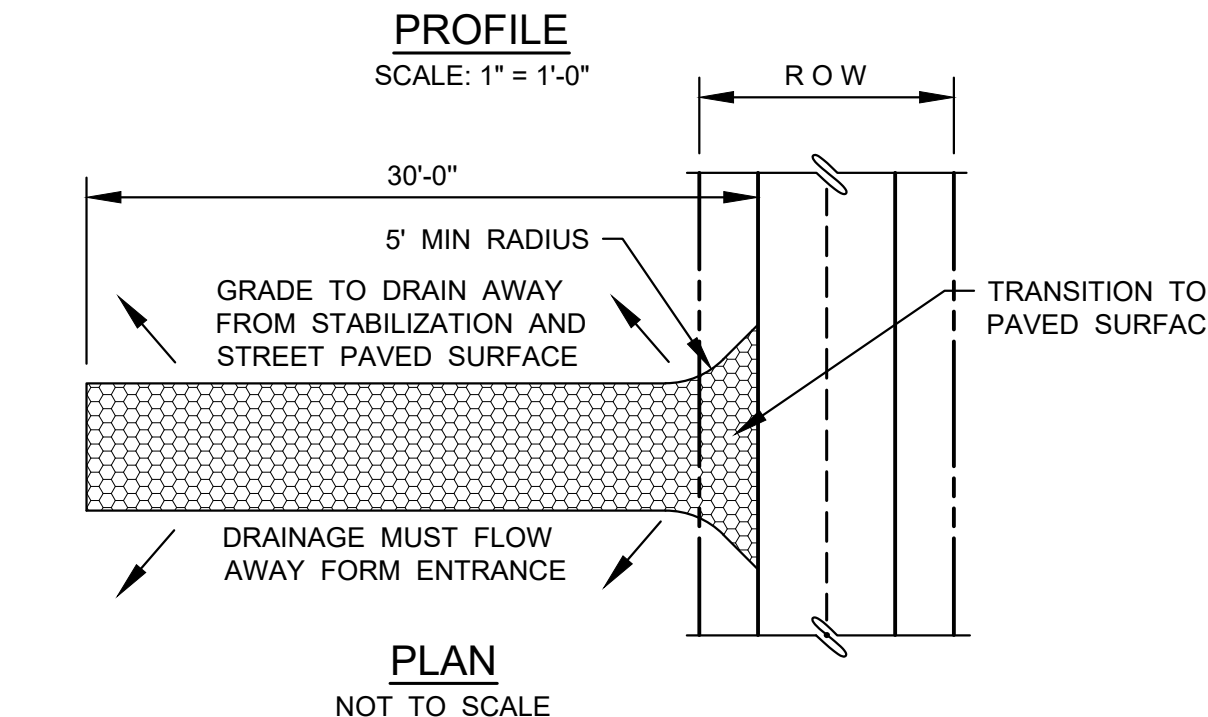
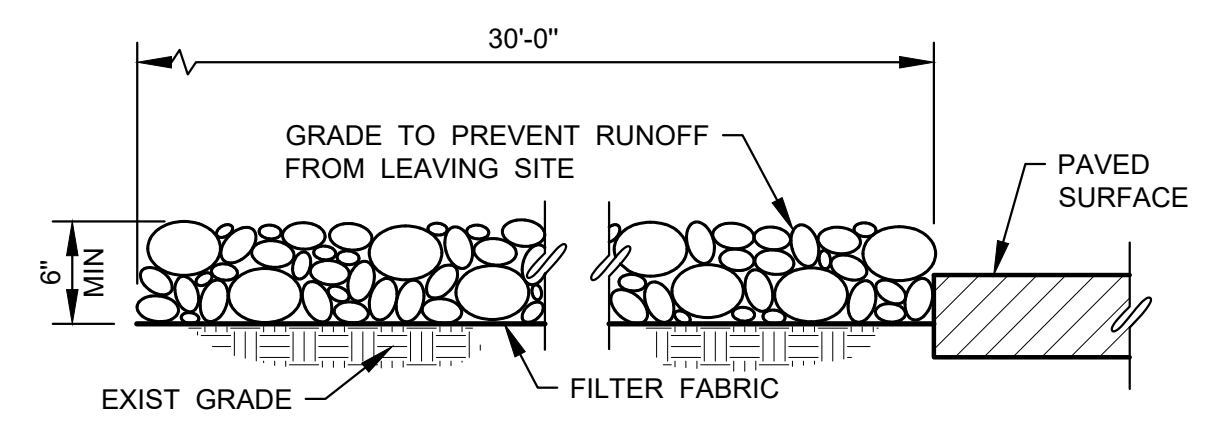
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**Erosion Control
Plan**
CE100

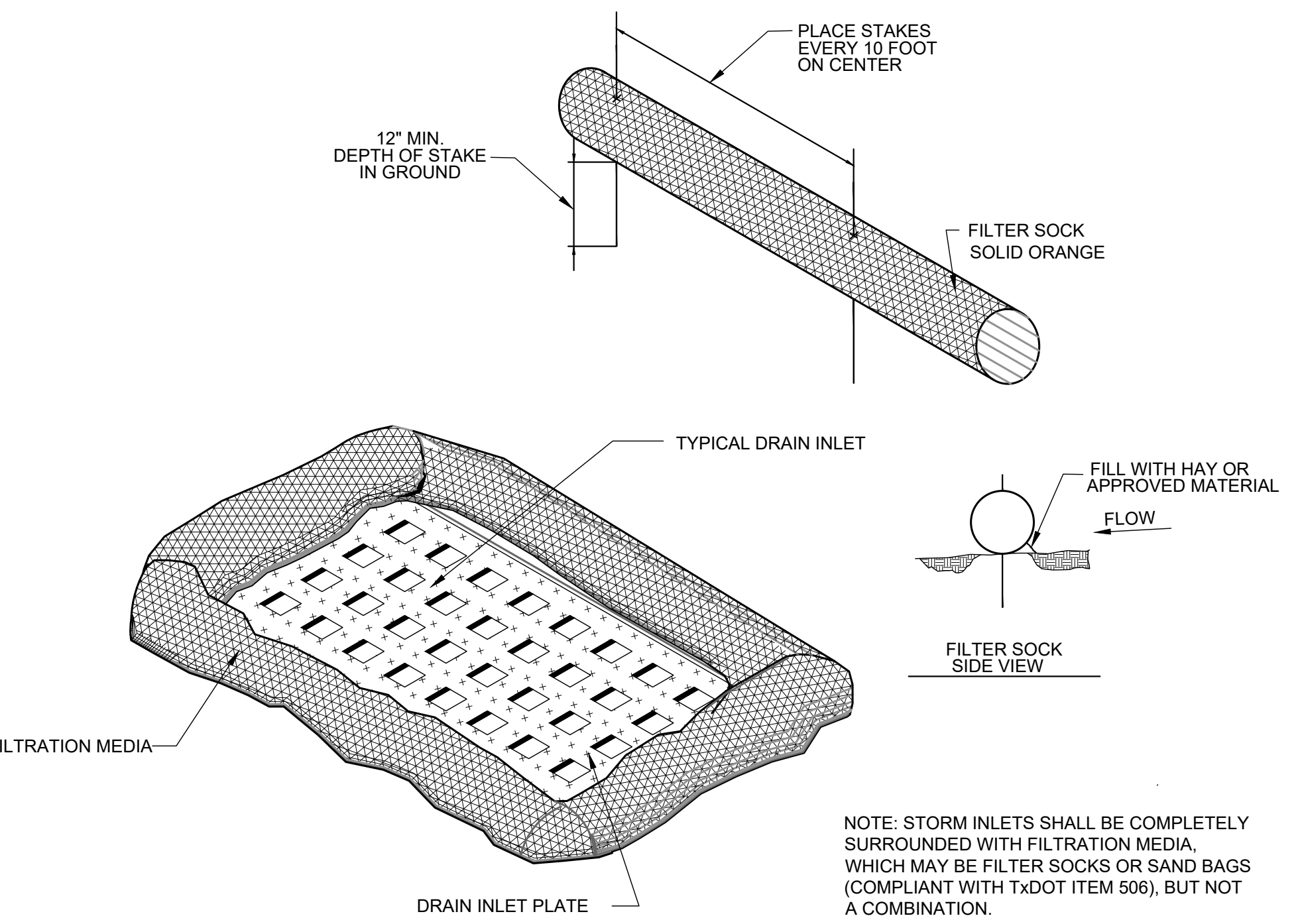


C1 CONCRETE WASH PAD
NOT TO SCALE

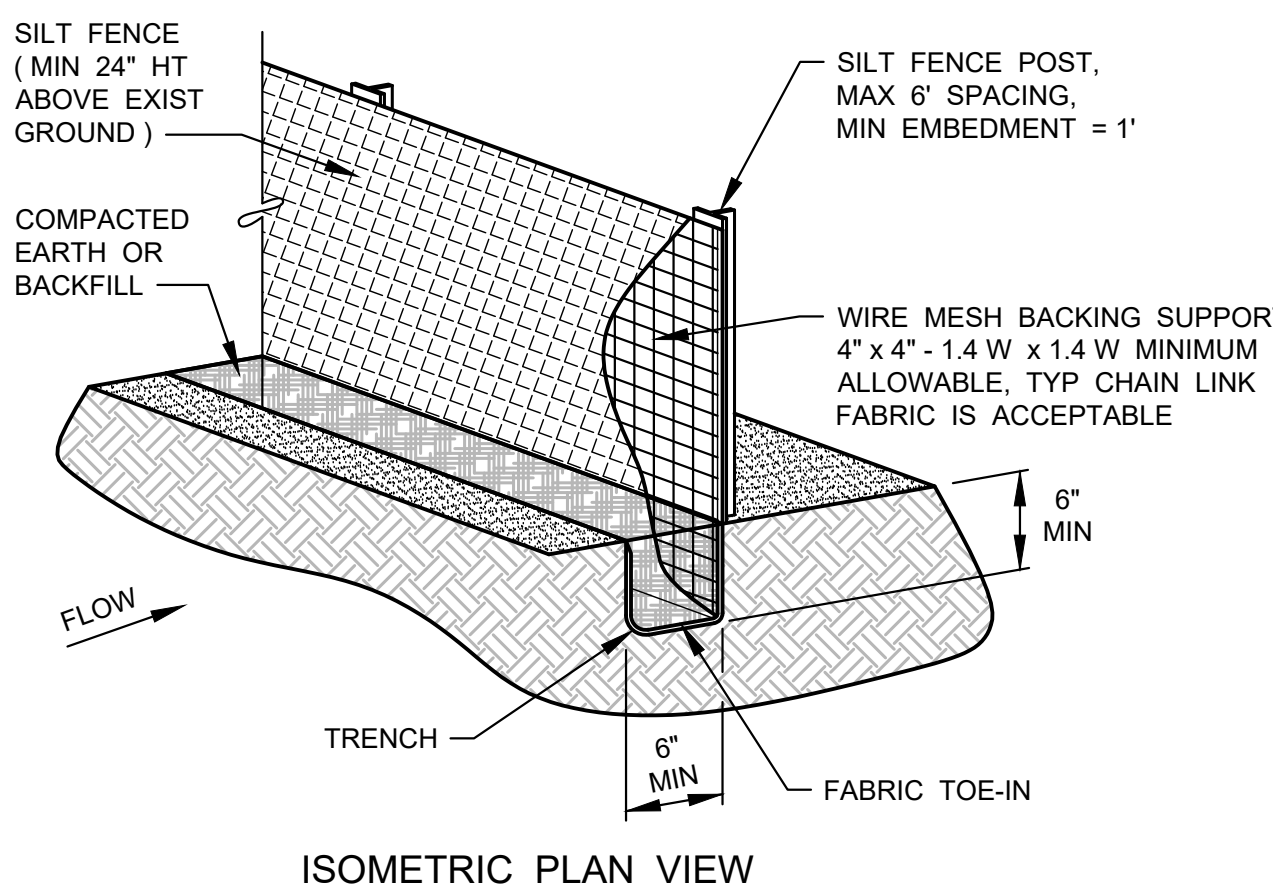


B3 STABILIZED CONSTRUCTION ENTRANCE
1" = 1'-0"

- GENERAL NOTES:**
- STONE SHALL BE 3" TO 6" DIAMETER CRUSHED ROCK OR ACCEPTABLE CRUSHED PORTLAND CONCRETE.
 - LENGTH SHALL BE SHOWN ON PLANS WITH A MINIMUM LENGTH OF 30 FEET FOR LOTS WHICH ARE LESS THAN 150 FEET FROM EDGE OF PAVEMENT. THE MINIMUM DEPTH IN ALL OTHER CASES SHALL BE 50 FEET.
 - THE THICKNESS SHALL NOT BE LESS THAT 6".
 - THE WIDTH SHALL BE NO LESS THAN THE FULL WIDTH OF ALL POINTS IN INGRESS AND EGRESS.
 - WHEN NECESSARY, VEHICLES SHALL BE CLEARED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE OR CONCRETE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE USING APPROVED METHODS.
 - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.
 - THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.



A1 INLET PROTECTION DETAIL
NOT TO SCALE



A3 SILT FENCE
1" = 1'-0"

- GENERAL NOTES:**
- STEEL 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 ONE FOOT.
 - 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. WHERE FENCE CANNOT BE TRENCHED IN, (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
 - THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
 - SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR WOVEN WIRE, WHICH IS IN TURN ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3" OVERLAP, SECURELY FASTENED WHERE END OF FABRIC MEET.
 - INSPECTION SHALL BE MADE WEEKLY AND AFTER EACH RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
 - SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
 - ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.

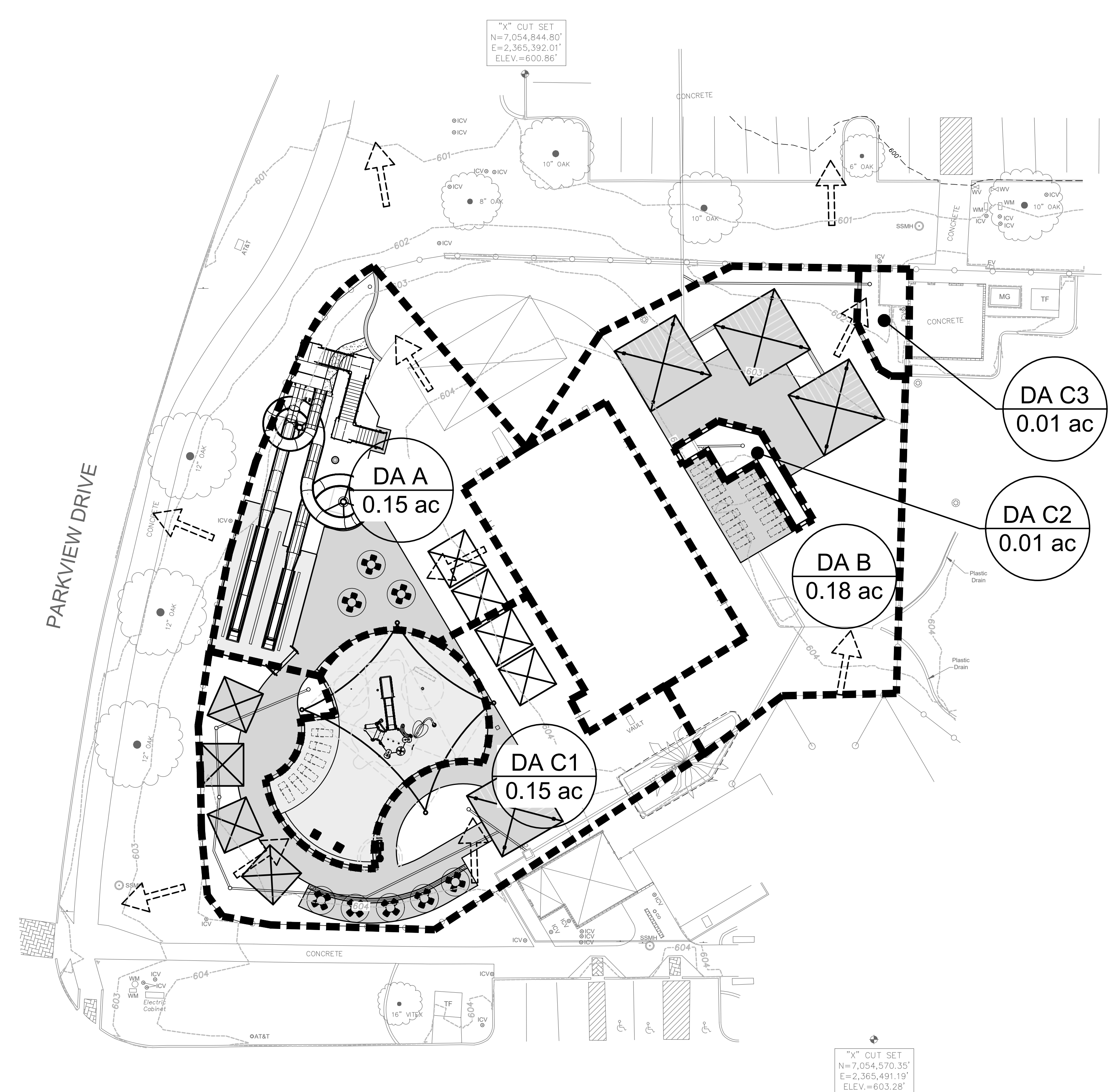
Hydrology Calculations: Trophy Club Community Pool Renovation

D.A #	Area (acres)	Runoff Coefficient c	C*CA25	C*CA100	tc (min)	I5 (in/hr)	I25 (in/hr)	I100 (in/hr)	Q5 (cfs)	Q25 (cfs)	Q100 (cfs)	Comments
B	0.18	0.68	0.75	0.85	10	5.75	7.55	9.24	0.7	1.0	1.4	Sheet flow to the northeast
C1	0.15	0.78	0.86	0.98	10	5.75	7.55	9.24	0.7	1.0	1.4	Drains to existing grate inlet & planter drains
C2	0.01	0.41	0.45	0.51	10	5.75	7.55	9.24	0.02	0.03	0.05	Drains to planter drain
C3	0.01	0.41	0.45	0.51	10	5.75	7.55	9.24	0.02	0.03	0.05	Drains to planter drain

Notes:
Intensities from the Town of Trophy Club Design Standards and Construction Specifications - Denton County Rainfall Intensities. A minimum time of concentration of 10 minutes was used.

LEGEND

- 568--- EXISTING 1' CONTOUR
- 565--- EXISTING 5' CONTOUR
- 568--- PROPOSED 1' CONTOUR
- 565--- PROPOSED 5' CONTOUR
- DRAINAGE AREA BOUNDARY
- ⇨ EXISTING FLOW ARROW
- ⇨ PROPOSED FLOW ARROW
- DA X
0.22 ac DRAINAGE AREA NAME
DRAINAGE AREA (ACRES)



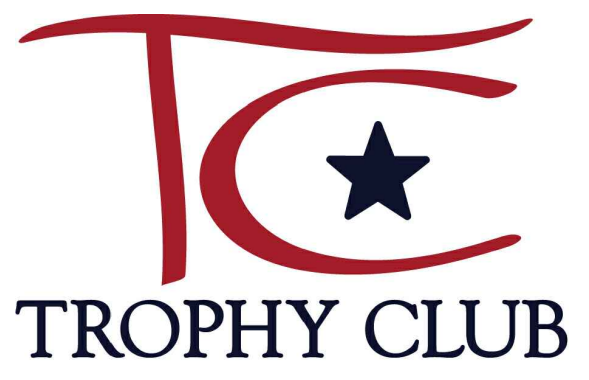
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Trophy Club Community Pool Renovation
Trophy Club, TX

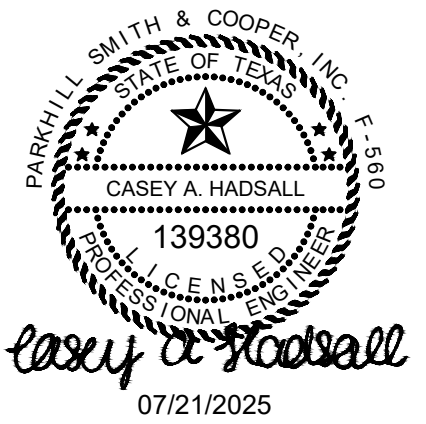


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Drainage Area Map
CH001



Trophy Club Community Pool Renovation

Trophy Club, TX



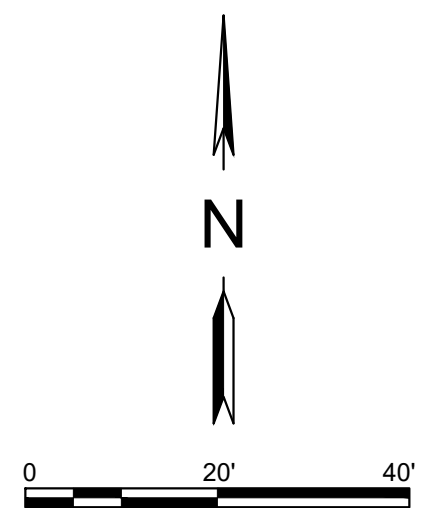
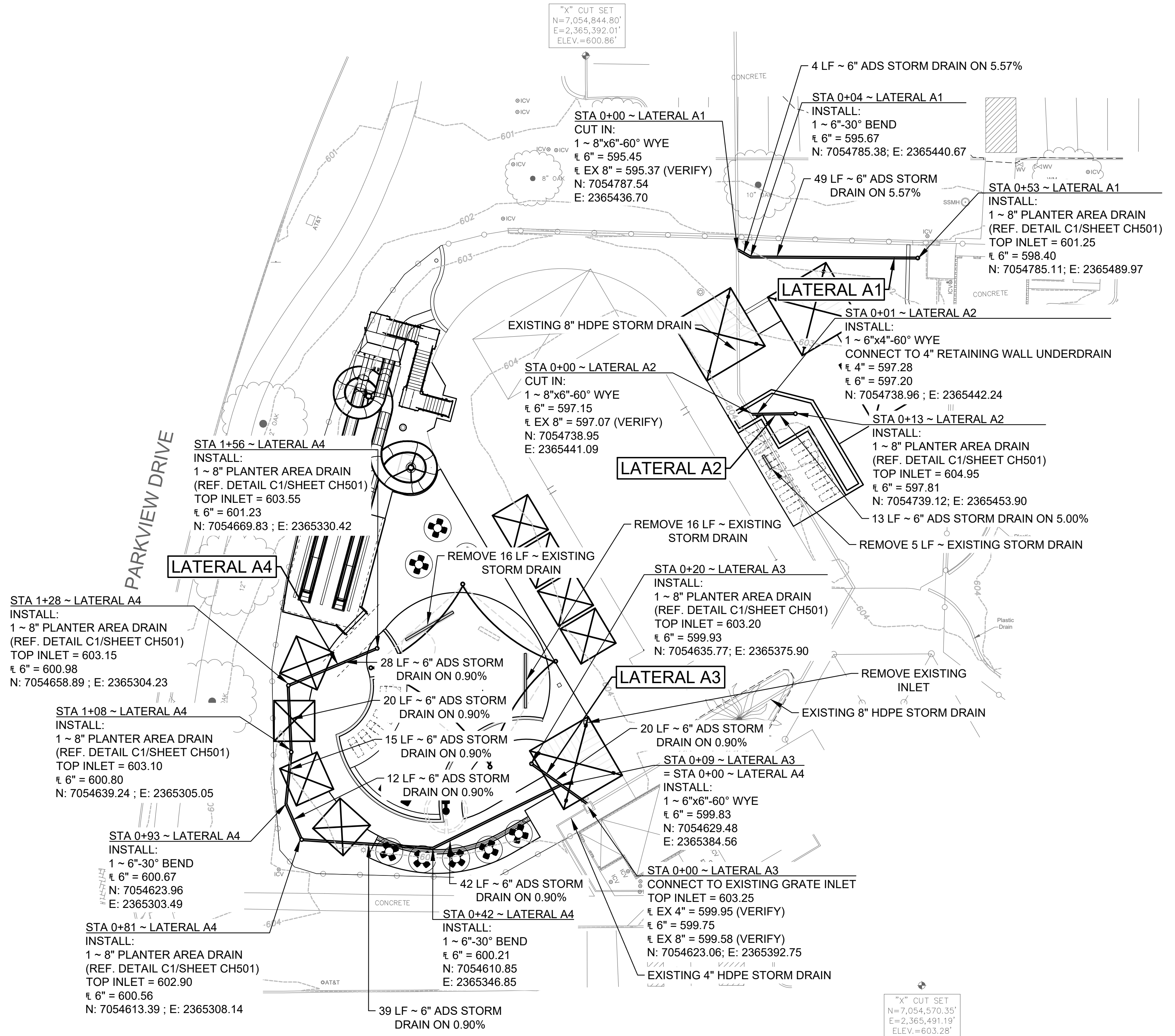
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LEGEND

---568---	EXISTING 1' CONTOUR
---565---	EXISTING 5' CONTOUR
-568-	PROPOSED 1' CONTOUR
-565-	PROPOSED 5' CONTOUR
====	PROPOSED STORM DRAIN
====	EXISTING STORM DRAIN TO BE REMOVED



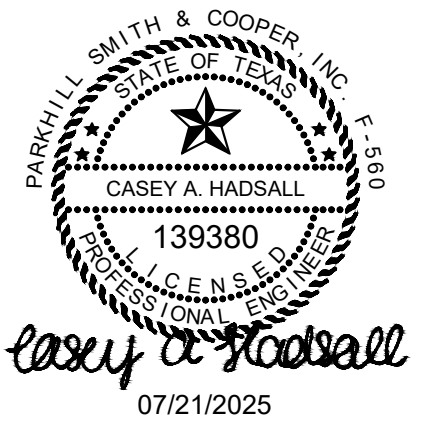
CONTROL POINT #1 "X" CUT SET	CONTROL POINT #2 "X" CUT/TBM	CONTROL POINT #3 SET 5/8" OC/BASE
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Storm Drain Layout

CH100

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Trophy Club Community Pool Renovation

Trophy Club, TX



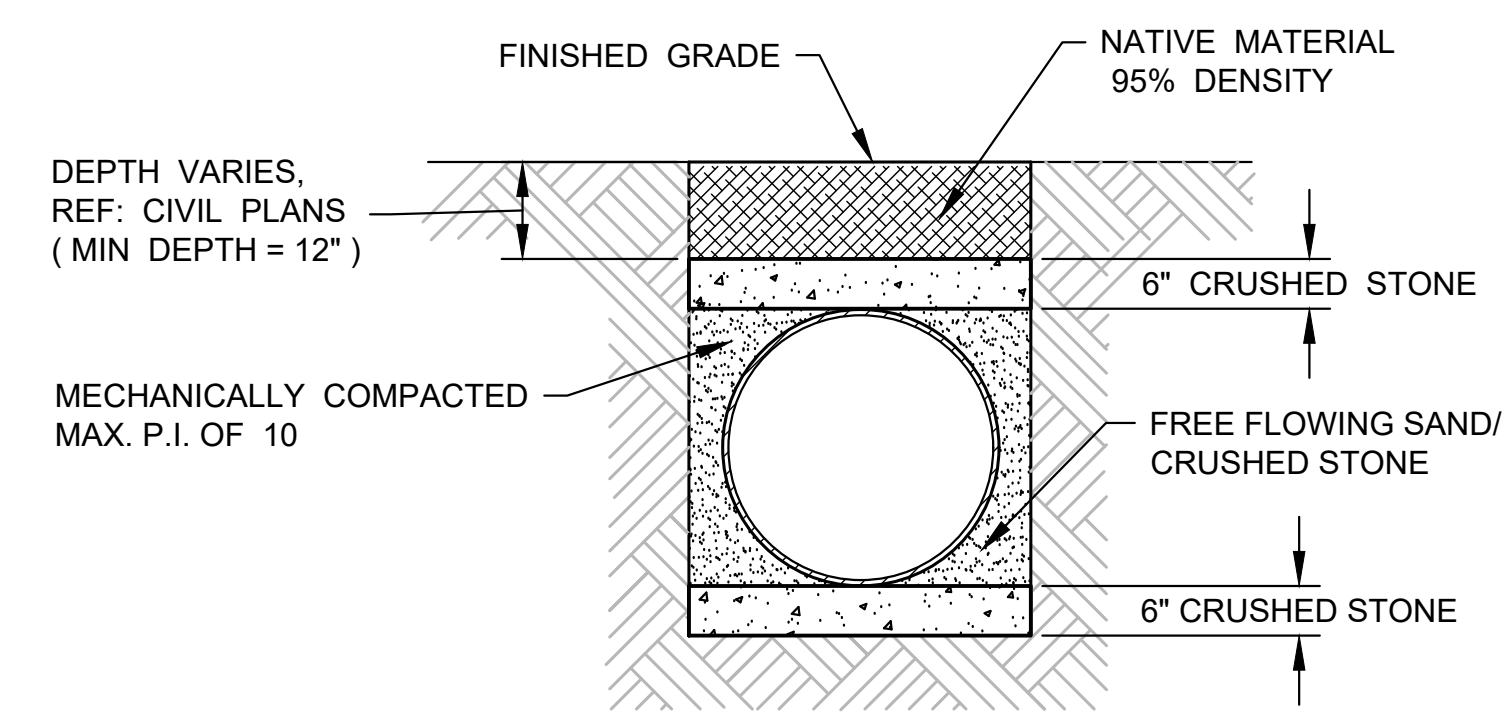
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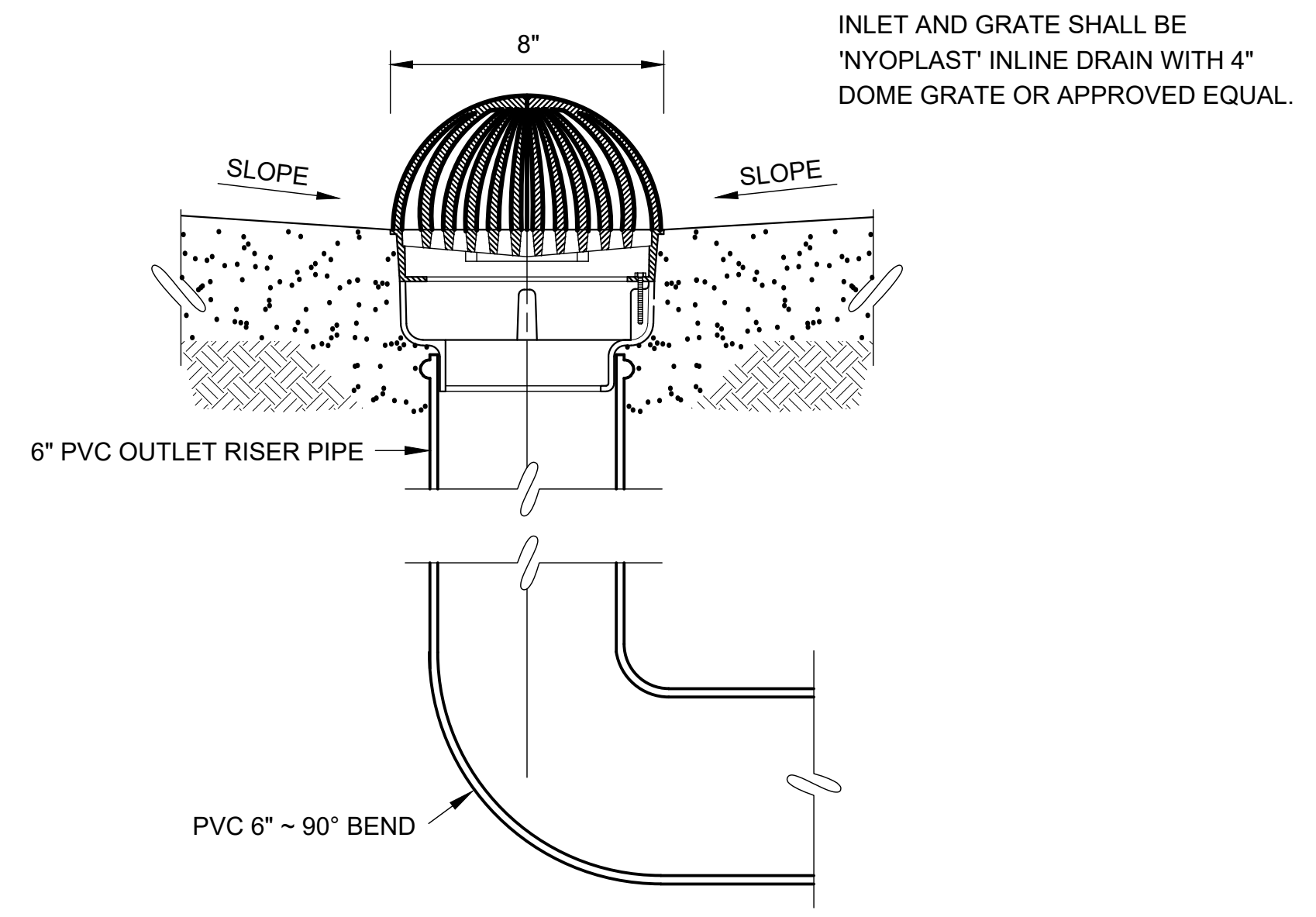
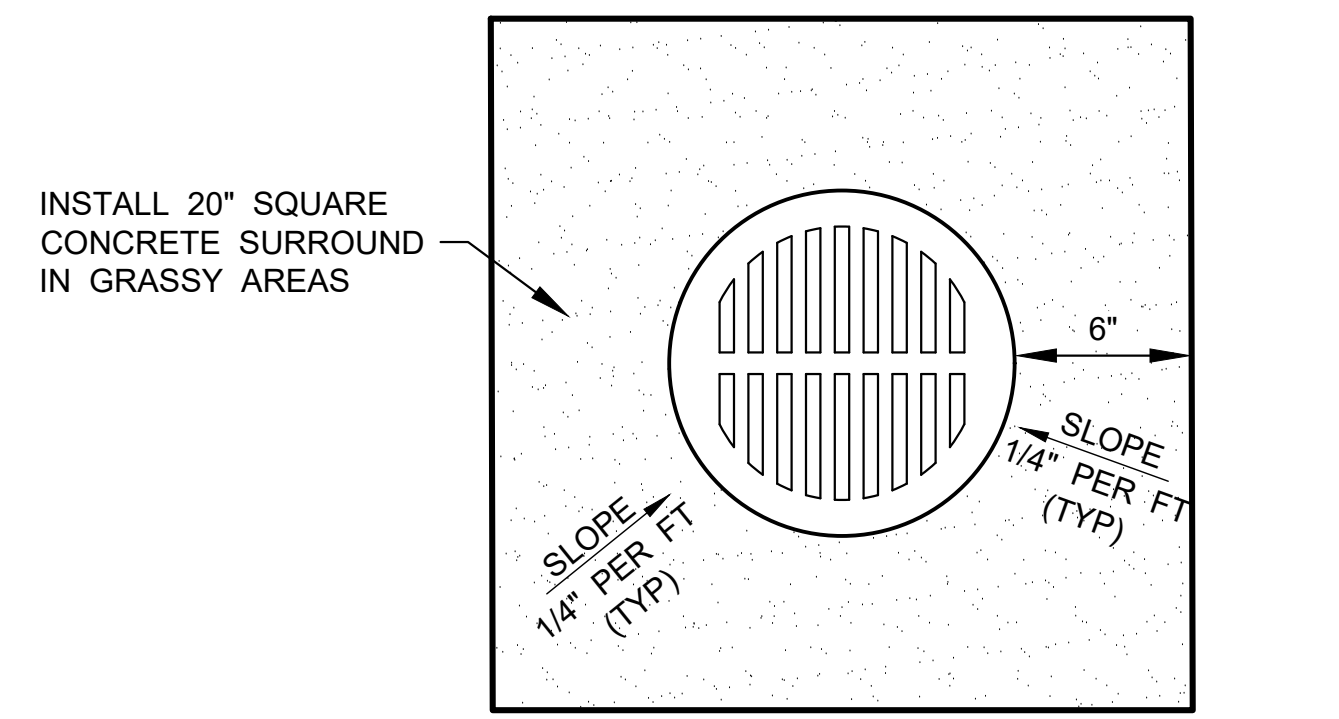
Drainage Details

CH501

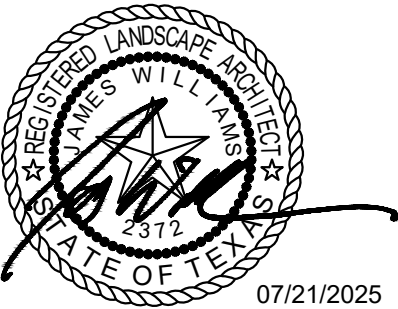


NOTE:
REFER TO ADVANCED DRAINAGE SYSTEMS INSTALLATION GUIDELINES AND GEOTECHNICAL REPORT FOR CRUSHED STONE GRADATION.

A1 ADS STORM DRAIN EMBEDMENT
NOT TO SCALE



C1 PLANTER AREA DRAIN
NOT TO SCALE



Trophy Club Community
Pool Renovation
Trophy Club, TX



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07/21/2025 Issue for Proposal
DATE DESCRIPTION

Ex. Conditions
& Removal Plan
LX100

GENERAL DEMOLITION NOTES

EXAMINATION OF SITE OF WORK
BEFORE SUBMITTING A BID, EACH BIDDER SHALL CAREFULLY EXAMINE THE SITE OF WORK. EACH BIDDER SHALL INFORM HIMSELF/HERSELF PRIOR TO BIDDING AS TO THE EXISTING CONDITIONS AND LIMITATIONS UNDER WHICH THE WORK IS TO BE PERFORMED, AND SHALL INCLUDE IN HIS/HER BID A SUM TO COVER ALL COSTS OF ALL ITEMS NECESSARY TO PERFORM THE WORK AS SET FORTH IN THE CONTRACT DOCUMENTS. NO ALLOWANCE WILL BE MADE TO ANY BIDDER BECAUSE OF LACK OF SUCH EXAMINATION OR KNOWLEDGE. THE SUBMISSION OF A BID SHALL BE CONSTRUED AS CONCLUSIVE EVIDENCE THAT THE BIDDER IS SUFFICIENTLY FAMILIAR WITH ALL RELEVANT CONDITIONS.

DEMOLITION
1. THE CONTRACTOR SHALL NOT ASSUME THAT UTILITIES ARE PRECISELY LOCATED. UTILITIES ARE SHOWN TO HELP MAKE THE CONTRACTOR AWARE OF THEIR EXISTENCE. THIS MEASURE IS TAKEN TO HELP PROTECT THE INVESTMENTS AND SERVICES OF THE OWNERS, OF THE UTILITIES AND THEIR CUSTOMERS. THE CONTRACTOR SHALL CALL TEXAS 811 FOR HELP IN LOCATING UTILITIES.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND VERIFY THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES OR FACILITIES, OTHER THAN THOSE SHOWN ON THE PLANS, MAY BE PRESENT ON THE SITE OF THE WORK.

3. PRIOR TO PROCEEDING WITH CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OWNER OR A/E IF CONFLICTS OR POTENTIAL CONFLICTS OCCUR BETWEEN EXISTING UTILITIES AND THE PROPOSED CONSTRUCTION.
4. PRIOR TO PROCEEDING WITH CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH APPROPRIATE UTILITY OWNER OR TOWN OF TROPHY CLUB PRIOR TO DEMOLITION ACTIVITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PRESERVE AND PROTECT ALL UTILITIES.
5. THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE UTILITY OWNER AND MAKE RESTITUTION FOR ANY UTILITY THAT IS DAMAGED BY THE CONTRACTOR DURING THE COURSE OF THE WORK.
6. THE CONTRACTOR WILL IMMEDIATELY NOTIFY THE OWNER AND MAKE RESTITUTION FOR ANY DAMAGE TO THE EXISTING FACILITIES BY THE CONTRACTOR DURING THE COURSE OF THE WORK.
7. COORDINATE DEMOLITION PHASING WITH CIVIL, LANDSCAPE, STRUCTURAL AND ELECTRICAL DISCIPLINES.
8. ALL TREES TO REMAIN UNLESS OTHERWISE NOTED.
9. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MISCELLANEOUS REPAIRS DUE TO DEMOLITION ACTIVITIES.

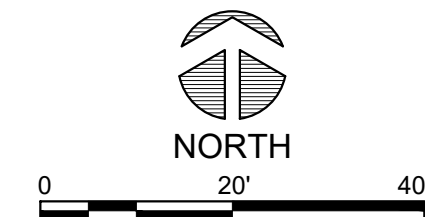
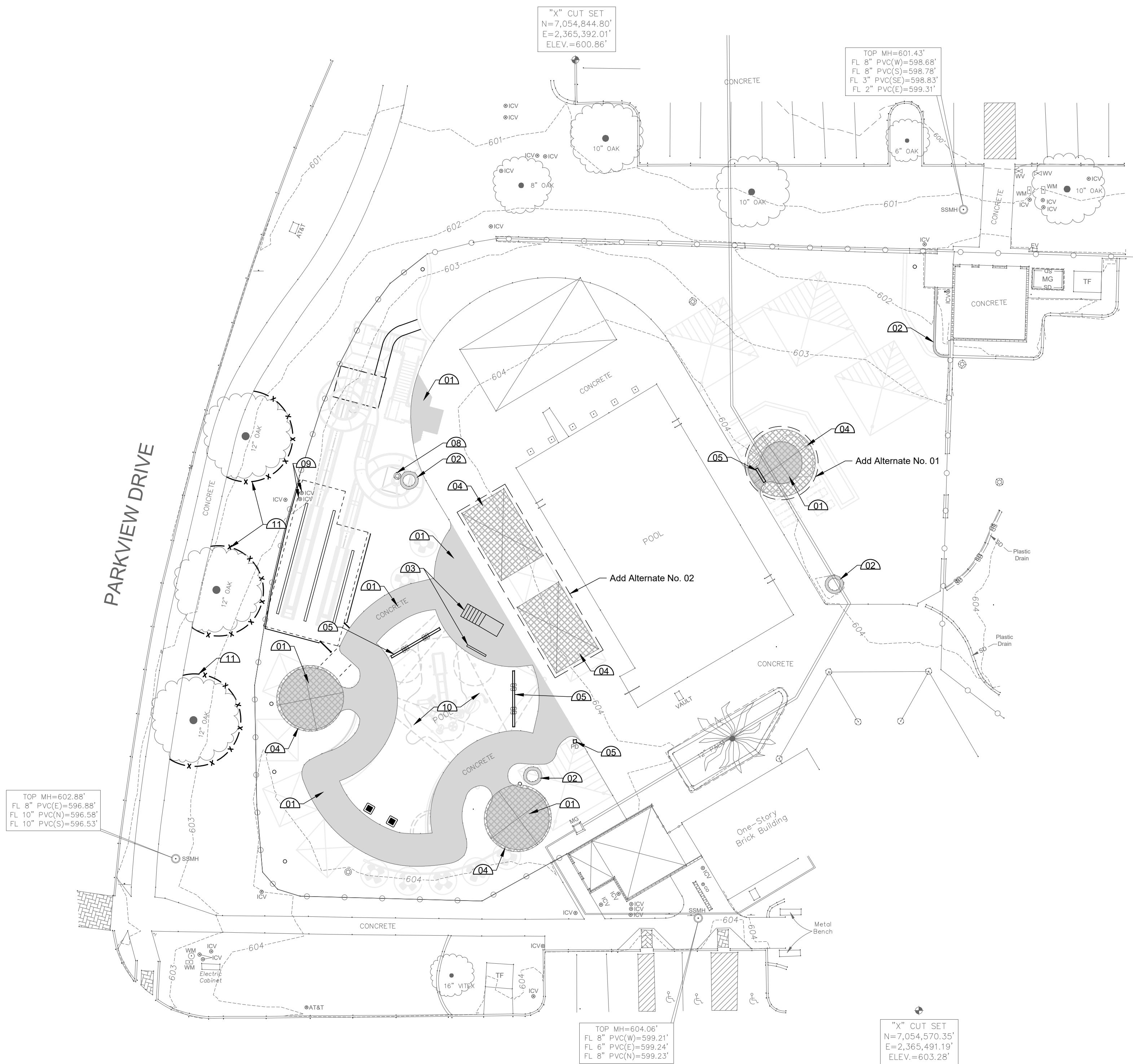
NOTE:
DISPOSAL OF ALL EXCESS/WASTE MATERIALS IS TO BE MADE AT A REGISTERED LANDFILL

EXISTING CONDITIONS & REMOVAL LEGEND

- EX. TREE TO BE REMOVED & DISPOSED
- EX. TREE TO BE PROTECTED
- EX. STRUCTURE TO BE REMOVED.
- EX. CONC. PAVING TO BE REMOVED & DISPOSED
- EX. CURB AND GUTTER TO BE REMOVED & DISPOSED
- EX. GRAVEL TO BE REMOVED & DISPOSED
- PROPERTY LINE
- EXISTING CONTOURS
- EX. METAL FENCE TO BE REMOVED & DISPOSED
- EX. WATERLINE TO BE ABANDONED, RE: CIVIL SHEETS
- EX. SANITARY SEWER LINE TO BE ABANDONED, RE: CIVIL SHEETS

DEMOLITION KEYNOTES

- REMOVE EXISTING CONSTRUCTION AS INDICATED BY:
1. EXISTING CONCRETE PAVING TO BE REMOVED & DISPOSED OF.
 2. EXISTING CONCRETE EDGING TO BE REMOVED & DISPOSED OF.
 3. EXISTING PLAY STRUCTURE TO BE REMOVED & DISPOSED OF.
 4. EXISTING FABRIC SHADE STRUCTURE TO BE REMOVED SALVAGED & RETURNED TO OWNER.
 5. EXISTING STORM DRAINAGE LINE / INLET / TO BE REMOVED. RE: CIVIL SHEETS.
 7. EXISTING WATERLINE TO BE REMOVED. RE: CIVIL SHEETS.
 8. EXISTING LIGHT FIXTURE TO BE REMOVED AND RELOCATED. RE: ELEC. SHEETS.
 9. EXISTING IRR. CONTROL VALVE TO BE REMOVED. RE: IRR. SHEETS.
 10. EXISTING POOL TO BE REMOVED & DISPOSED OF. RE: POOL SHEETS.
 11. TREE PROTECTION PER SHEET LX500



CONTROL POINT #1 "X" CUT FND.	CONTROL POINT #2 "X" CUT FND.	CONTROL POINT #3 CoM GPS Mon. #43
N - 7125005.56 E - 2549220.74 ELEV. - 564.79	N - 7124814.87 E - 2548561.04 ELEV. - 579.68	N - 7124848.88 E - 2547677.32 ELEV. - 586.46

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PAVING & JOINTING LEGEND

- 5" CONC. PAVING ON COMPACTED SUBGRADE PER DET. A2/LD500
- STRUCTURAL CONC. PAVING, RE: POOL SHEETS
- DECOMPOSED GRANITE SURFACING, RE: B2/LD501
- DIJ DOWELED ISOLATION JOINT PER DET. A1/LD501
- SAWN CONTROL JOINT PER DET. A1/LD501

CONSTRUCTION NOTES

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CONCRETE FORMWORK AND REINFORCEMENT
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Parkhill



Parkhill.com

**Trophy Club Community
 Pool Renovation**
 Trophy Club, TX



CLIENT
 Town of Trophy Club

1 Trophy Wood Drive
 Trophy Club, TX 76262

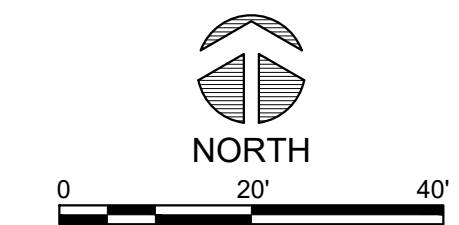
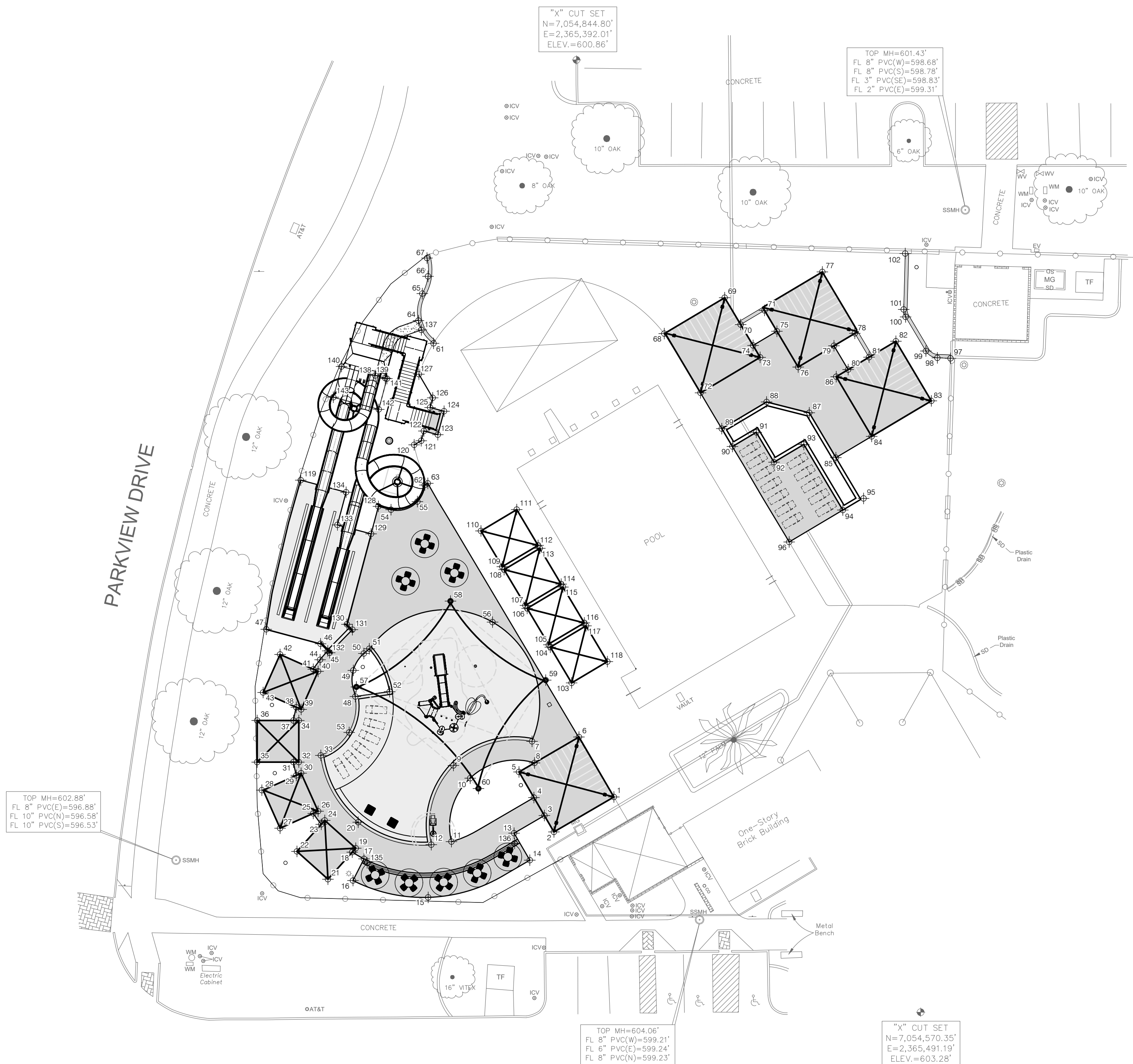
PROJECT NO.
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07/21/2025 Issue for Proposal

DATE DESCRIPTION

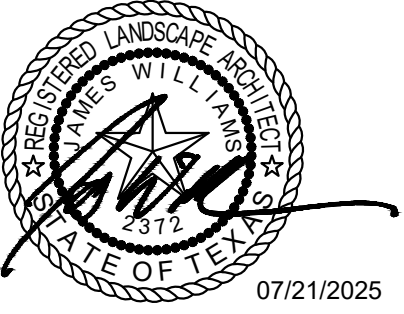
**Coordinate
 Layout**

LC101



CONTROL POINT #1 "X" CUT FND.	CONTROL POINT #2 "X" CUT FND.	CONTROL POINT #3 CoM GPS Mon. #43
N - 7125005.56 E - 2549220.74 ELEV. - 564.79	N - 7124814.87 E - 2548561.04 ELEV. - 579.68	N - 7124848.88 E - 2547677.32 ELEV. - 586.46

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Trophy Club Community Pool Renovation

Trophy Club, TX



CLIENT
Town of Trophy Club
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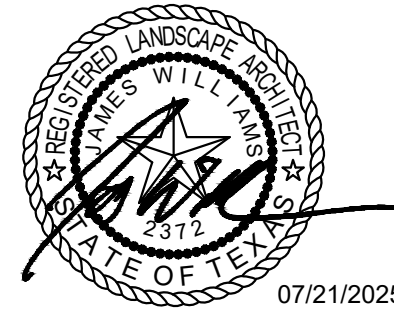
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**Coordinate
 Schedule**

LC102

NORTH EASTING POINT SCHEDULE

POINT	DESCRIPTION	NORTHING	EASTING
1		N 7054632.3784	E 2365402.7822
2		N 7054622.3103	E 2365385.5012
3		N 7054627.0249	E 2365382.7544
4		N 7054632.2092	E 2365379.7340
5		N 7054639.5913	E 2365375.4330
6		N 7054649.6594	E 2365392.7140
7		N 7054648.4175	E 2365379.2069
8		N 7054642.1985	E 2365379.9080
9		N 7054641.4610	E 2365356.5341
10		N 7054637.7944	E 2365361.3597
11		N 7054619.5079	E 2365355.9707
12		N 7054618.6219	E 2365350.1451
13		N 7054621.9375	E 2365374.0224
14		N 7054614.1611	E 2365378.5531
15		N 7054603.4382	E 2365349.2553
16		N 7054608.3018	E 2365327.5787
17		N 7054614.5423	E 2365330.7497
18		N 7054616.4841	E 2365327.3697
19		N 7054617.6179	E 2365328.3871
20		N 7054625.1102	E 2365329.0782
21		N 7054608.6863	E 2365320.3729
22		N 7054616.7005	E 2365311.4413
23		N 7054624.4982	E 2365318.4382
24		N 7054625.6321	E 2365319.4555
25		N 7054627.6489	E 2365316.1429
26		N 7054628.2696	E 2365317.5340
27		N 7054623.3794	E 2365306.5757
28		N 7054634.3401	E 2365301.3226
29		N 7054638.6072	E 2365311.2526
30		N 7054639.2280	E 2365312.8437
31		N 7054642.4197	E 2365310.4405
32		N 7054642.4197	E 2365311.9638
33		N 7054644.3526	E 2365318.3245
34		N 7054654.4197	E 2365311.9638
35		N 7054642.4197	E 2365299.9638
36		N 7054654.4197	E 2365299.9638
37		N 7054654.4197	E 2365310.4405
38		N 7054658.2320	E 2365311.2526
39		N 7054657.6111	E 2365312.8444
40		N 7054668.5700	E 2365317.5333
41		N 7054669.1903	E 2365316.1428
42		N 7054673.4589	E 2365306.5743
43		N 7054662.4999	E 2365301.6854
44		N 7054671.9303	E 2365318.1100
45		N 7054674.4850	E 2365320.3125
46		N 7054676.5272	E 2365318.2326
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49		N 7054668.8648	E 2365327.6784
50		N 7054673.7231	E 2365330.7235
51		N 7054675.0899	E 2365332.2813
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53		N 7054650.9774	E 2365326.4772
54		N 7054715.1760	E 2365338.5591
55		N 7054717.5067	E 2365346.1500
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60		N 7054634.8076	E 2365363.7451
61		N 7054763.1184	E 2365350.8037
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88		N 7054746.2259	E 2365446.7973
89		N 7054738.5455	E 2365433.8785
90		N 7054733.3881	E 2365436.9446
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92		N 7054728.8806	E 2365448.9314
93		N 7054733.9909	E 2365457.5271
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98		N 7054758.9457	E 2365496.0096
99		N 7054760.8989	E 2365492.7184
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102		N 7054789.0028	E 2365486.7552
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104		N 7054675.5819	E 2365384.4473
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110		N 7054709.0598	E 2365364.4751
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116		N 7054682.5661	E 2365394.2422
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120		N 7054733.8697	E 2365345.2151
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124		N 7054743.5479	E 2365353.8409
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138		N 7054753.8521	E 2365333.9947



Trophy Club Community Pool Renovation

Trophy Club, TX



CLIENT
Town of Trophy Club
1 Trophy Wood Drive
Trophy Club, TX 76262

PROJECT NO.
42997.24

#	DATE	DESCRIPTION
-	07/21/2025	Issue for Proposal

Grading Plan

LG100

GRADING NOTES

THE EARTHWORK FOR THIS PROJECT IS A NECESSARY AND INCIDENTAL PART OF THE WORK. IN THE CASE THAT THE EARTHWORK DOES NOT BALANCE, THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL COSTS ASSOCIATED WITH HAUL OFF OR IMPORT. THE TOTAL COST SHALL BE INCLUDED IN THE BID PROPOSAL AS A LUMP SUM. PAYMENT WILL NOT BE MADE ON A UNIT PRICE BASIS OR BY ANY OTHER SEPARATE MEASURED PAYMENT METHOD.

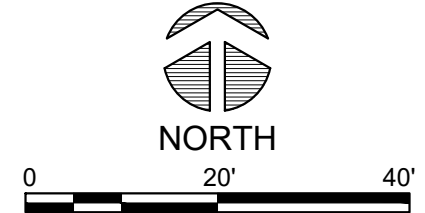
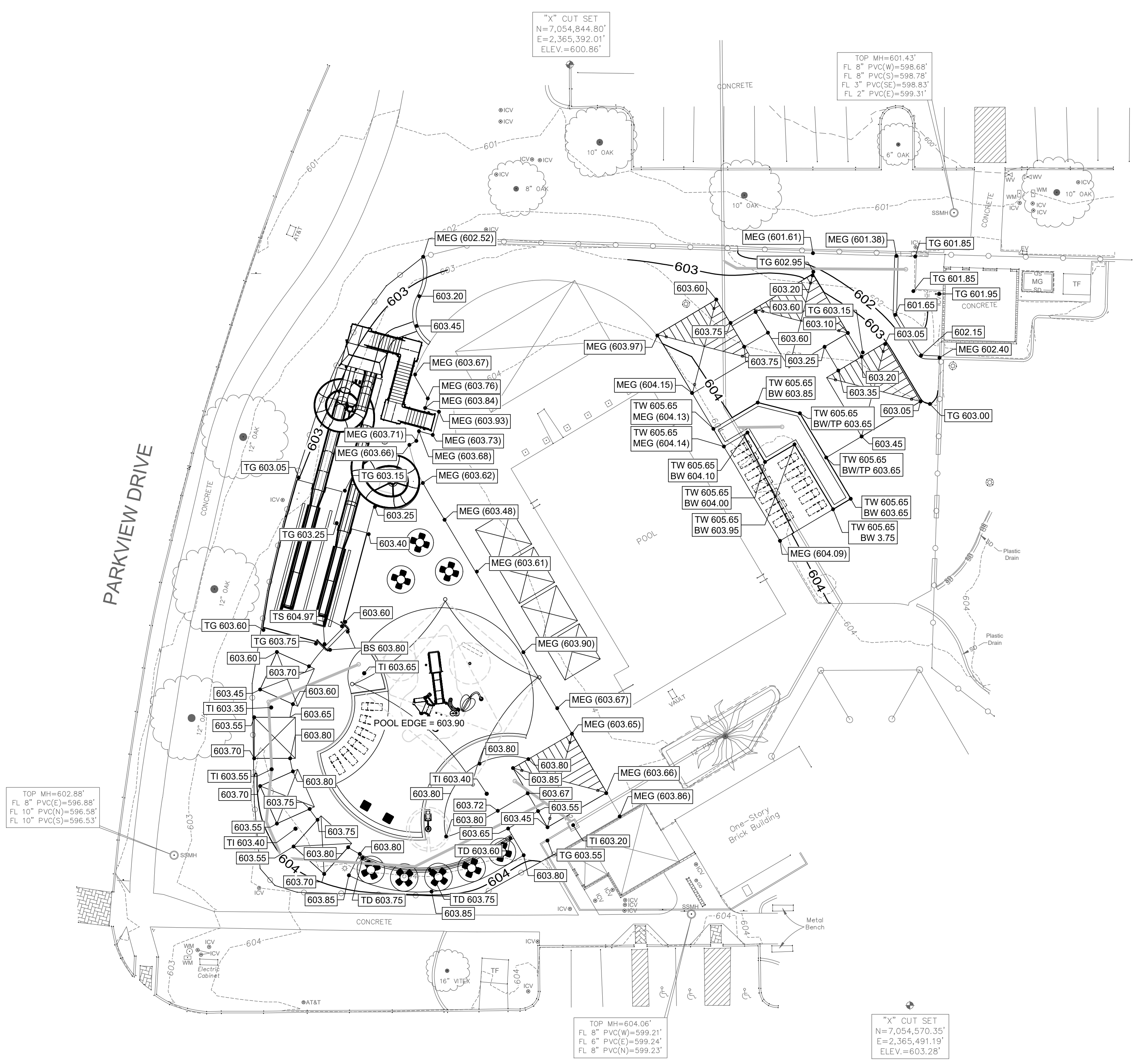
- BASE BID SHALL INCLUDE ALL EARTHWORK NECESSARY TO ESTABLISH THE FINISHED GRADES AS SHOWN ON THIS PLAN. NO SEPARATE PAYMENT WILL BE MADE.
- REFER TO SPECIFICATIONS FOR DISPOSAL OF EXCESS MATERIAL.
- CONTRACTOR SHALL STRIP, STOCKPILE AND RE-SPREAD A MINIMUM OF 6" OF TOPSOIL IN ALL DISTURBED AREAS. IN AREAS OF CUT, THE GRADE SHALL BE EXCAVATED TO 6" BELOW FINISH GRADE, THEN TOPSOIL SHALL BE RE-SPREAD ABOVE THE SUB GRADE ELEVATION.
- ALL EARTHWORK SHALL CONFORM TO THE GEOTECHNICAL REPORT BY LANDTEC ENGINEERS, DATED MAY 2024.
- THE TOPOGRAPHIC SURVEY FOR THIS PROJECT SHALL BE DONE BY AN INDEPENDENT REGISTERED, LICENSED SURVEYOR APPROVED BY THE OWNER. THE SURVEYS SHALL BE SIGNED AND SEALED BY THE APPROVED SURVEYOR.
- CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND GRADES, NEW OR EXISTING PRIOR TO CONSTRUCTION, NOTIFY THE ENGINEER OF ANY DISCREPANCIES WITH EXISTING OR NEW CONDITIONS. THE CONTRACTOR SHALL EMPLOY A LICENSED PUBLIC SURVEYOR TO SET ALL GRADES, SPOT ELEVATIONS, FLOW LINES, ETC.

NOTES

- ALL SPOT GRADES ARE TOP OF PAVING GRADES UNLESS OTHERWISE NOTED.
- CROSS SLOPES OF SIDEWALKS ARE NOT TO EXCEED 2.0%.
- LONGITUDINAL SLOPES OF SIDEWALKS ARE NOT TO EXCEED 5.0%.
- TURFGRASS SLOPES ARE NOT TO EXCEED 25%.
- MAXIMUM GRADE CHANGE FOR A FIRE LANE IS 6% AND 5% FOR ALL CROSS-SLOPES.

GRADING LEGEND

- 898 — EXISTING 1' CONTOUR
- 900 — EXISTING 5' CONTOUR
- 898 — PROPOSED 1' CONTOUR
- 900 — PROPOSED 5' CONTOUR
- 898.50 — PROPOSED SPOT GRADE
- TG — TOP OF GRADE
- TC — TOP OF CURB
- BR — BOTTOM OF RAMP
- TR — TOP OF RAMP
- BW — BOTTOM OF WALL
- TW — TOP OF WALL
- MEG — MATCH EXISTING GRADE
- — DIRECTION OF FLOW
- TI — TOP OF INLET/DRAIN
- SD — SLOT DRAIN
- LP — LOW POINT
- HP — HIGH POINT



CONTROL POINT #1 "X" CUT FND.	CONTROL POINT #2 "X" CUT FND.	CONTROL POINT #3 CoM GPS Mon. #43
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Paving & Jointing Plan

LH100

PAVING & JOINTING LEGEND

- 5" CONC. PAVING ON COMPACTED SUBGRADE PER DET. A2/LD500
- STRUCTURAL CONC. PAVING, RE: POOL SHEETS
- DECOMPOSED GRANITE SURFACING, RE: B2/LD501
- DOWELED ISOLATION JOINT PER DET. A1/LD501
- SAWN CONTROL JOINT PER DET. A1/LD501

CONSTRUCTION NOTES

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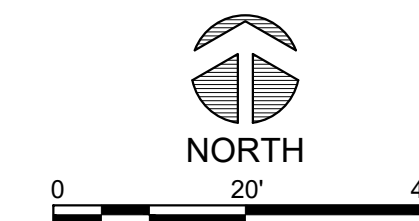
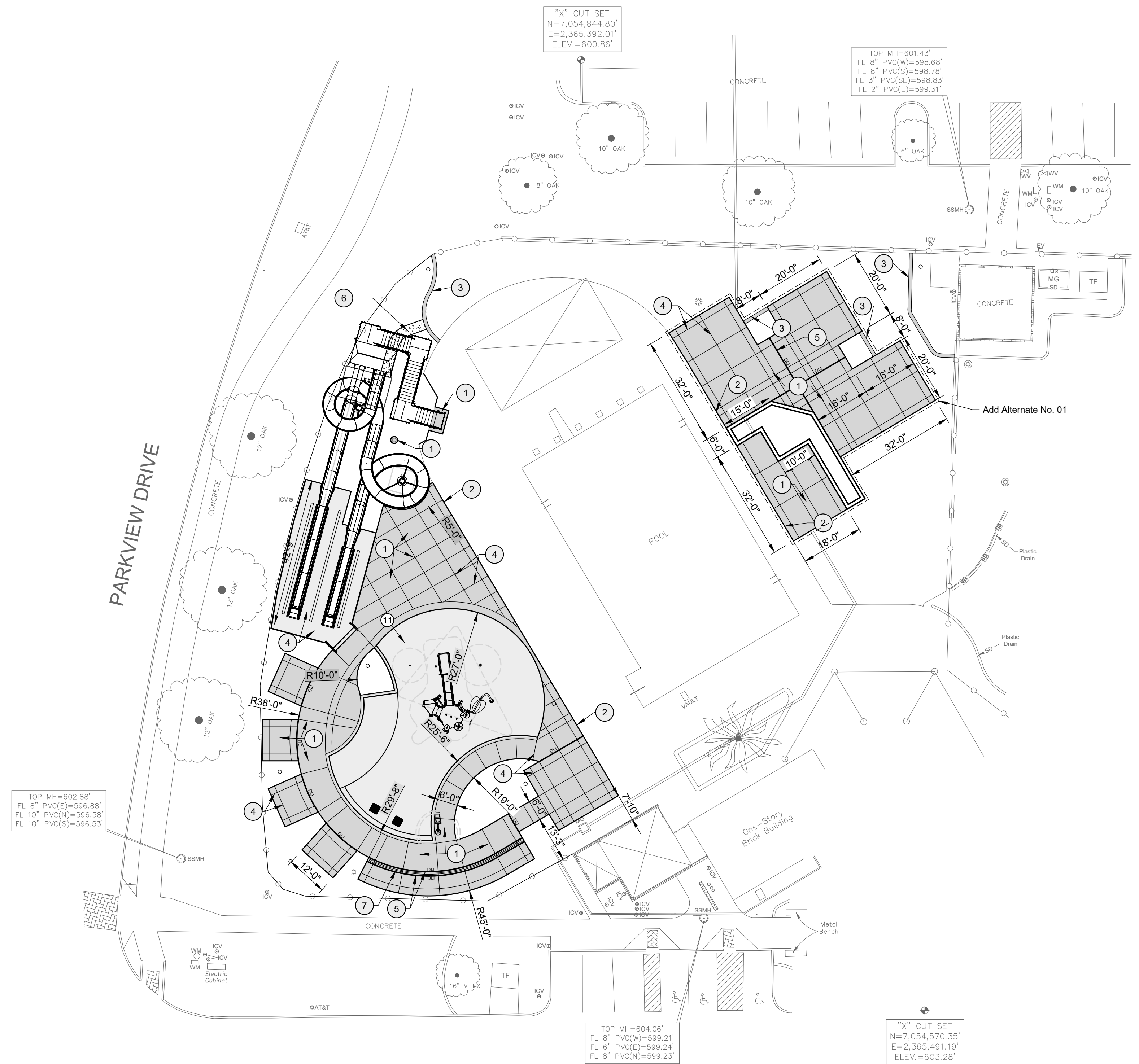
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REFERENCE NOTES SCHEDULE

CODE	DESCRIPTION
1	5" CONC. PAVING ON COMPACTED SUBGRADE PER DET. A2/LD500
2	CONC. CONNECTION TO EX. CONC. PAVING PER DET. A4/LD500
3	CONC. EDGING PER DET. A1/LD500
4	SAWN CONTROL JOINT PER DET. A1/LD501
5	DOWELED ISOLATION JOINT PER DET. A1/LD501
6	DECOMPOSED GRANITE SURFACING PER DET. B1, B2/LD501
7	TRENCH DRAIN PER DET. B4/LD501



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Planting Plan

LP100

PLANTING GENERAL NOTES:

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE TOWN OF TROPHY CLUB STANDARDS.
- THE LANDSCAPE CONTRACTOR SHALL REFER TO THE CONTRACT AND SPECIFICATIONS FOR REQUIREMENTS NOT LISTED HEREIN.
- THE CONTRACTOR SHALL LOCATE AND VERIFY THE EXISTENCE OF ALL UTILITIES PRIOR TO STARTING WORK.
- THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING PLAN SHOWN ON ALL DRAWINGS. PLANT COUNTS AND SQUARE FOOTAGES ARE PROVIDED AS A COURTESY ONLY.
- ALL PLANT MATERIAL SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARD FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN OR EQUIVALENT.
- IN THE CASE OF A DISCREPANCY BETWEEN THE CONTAINER SIZE CALLED OUT IN PLANT LIST AND THE CALIPER / HEIGHT / SPREAD OF PLANT MATERIAL, THE SPECIFIED PLANT MATERIAL MUST MEET THE CALIPER / HEIGHT / SPREAD REQUIREMENTS SPECIFIED, EVEN IF A LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS AT NO ADDITIONAL COST TO THE OWNER.
- ALL PLANTS TO BE GROWN AS SPECIFIED. NO CONTAINER GROWN STOCK WILL BE ACCEPTED IF IT IS ROOT BOUND.
- WITH CONTAINER GROWN STOCK, THE CONTAINER SHALL BE REMOVED AND THE PLANT BALL SHALL BE CUT THROUGH THE SURFACE IN TWO VERTICAL LOCATIONS.
- LANDSCAPE CONTRACTOR SHALL LOCATE THE SOURCE OF AND SELECT ALL PLANTS FOR APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT.
- ALL PLANTS TAGGED AS APPROVED AT NURSERY OR SUPPLIER SHALL BEAR THE SAME TAG WHEN DELIVERED ON SITE.
- THE RIGHT TO REJECT PLANT MATERIALS DELIVERED TO THE SITE THAT DO NOT BEAR APPROVAL TAGS IS RESERVED BY THE PROJECT LANDSCAPE ARCHITECT.
- IN AREAS WHERE PAVING SUBGRADES AND BUILDING PADS EXTEND INTO PLANT BED AREAS, 6 INCH HOLES SHALL BE DRILLED EVERY 3 FEET AND FILLED WITH 1 INCH DIAMETER GRAVEL TO PROVIDE PERCOLATION AND DRAINAGE FOR THE PLANTING BED. HOLES SHALL BE DRILLED THROUGH IMPROVED SUBGRADES INTO EXISTING SITE SOILS BUT NO DEEPER THAN FOUR FEET.
- ALL PLANTING BEDS TO BE PREPARED AS PER DETAILS AND SPECIFICATIONS.
- ALL FINAL PLANTING BED GRADES IN AREAS WHERE ORGANIC AND/OR INORGANIC MULCH IS BEING APPLIED SHOULD BE 3 INCHES BELOW ADJACENT HARD SURFACES.
- NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING IS COMPLETE AND APPROVED BY THE PROJECT LANDSCAPE ARCHITECT.
- ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING OR AS ESTABLISHED IN CONTAINER.
- ALL PLANTS SHALL BE INSTALLED AS PER DETAILS.
- ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24-HOUR PERIOD AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY OR MORE OFTEN AS NEEDED DURING THE FIRST GROWING SEASON.
- ALL PLANTING BEDS TO RECEIVE ORGANIC AND/OR INORGANIC MULCH MATERIALS AS NOTED ON PLANS.
- THE DAY PRIOR TO PLANTING, THE LOCATION OF ALL TREES AND SHRUBS SHALL BE STAKED FOR APPROVAL BY THE LANDSCAPE ARCHITECT.
- THE CONTRACTOR SHALL PRUNE ALL BRANCHES 80 INCHES ABOVE FINISH GRADE ON ALL DECIDUOUS SHADE TREES 12 FEET OR TALLER, AS DIRECTED BY LANDSCAPE ARCHITECT OR CITY ARBORIST.
- AREAS TO BE FILLED WITH INORGANIC MULCHES WITH A DIAMETER LESS THAN 1/4 INCH IN SIZE SHALL BE COMPACTED TO 85% PROCTOR DENSITY BEFORE MULCH IS PLACED.
- THE SITE SHALL BE FINE GRADED PRIOR TO ANY PLANT INSTALLATION. ANY AREAS DISTURBED BY PLANTING SHALL BE REGRADED AND SMOOTHED PRIOR TO GRASS PLANTING.
- SOD SHALL BE USED AROUND DRAIN INLETS (5' BUFFER) AND IN AREAS WHERE THE SLOPE EXCEEDS 20% (1:5) UNLESS THE AREA IS A PLANTING BED.
- CONTRACTOR SHALL ESTABLISH TURFGRASS ON ALL AREAS DISTURBED BY CONSTRUCTION AS SPECIFIED.

PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER	REMARKS
--------	------	-----	-------------------------	-----------	---------

TREES

	TF	7	TRACHYCARPUS FORTUNEI WINDMILL PALM	45 GAL.	MINIMUM SIZE REQUIREMENTS
--	----	---	--	---------	---------------------------

SHRUBS

	HP	15	HESPERALOE PARVIFLORA RED YUCCA	15 GAL	MINIMUM SIZE REQUIREMENTS
	LH	13	LANTANA X 'NEW GOLD' NEW GOLD LANTANA	1 GAL	MINIMUM SIZE REQUIREMENTS
	NT	16	NASSELLA TENUISSIMA MEXICAN FEATHER GRASS	1 GAL	MINIMUM SIZE REQUIREMENTS
	NW	15	NEPETA X 'WALKER'S LOW' WALKER'S LOW CATMINT	1 GAL	MINIMUM SIZE REQUIREMENTS
	SF	17	SALVIA FARINACEA 'HENRY DUELBERG'	3 GAL	MINIMUM SIZE REQUIREMENTS
	TA	22	MEALY SAGE BLUE SAGE TETRANEURIS ACAULIS STEMLESS FOUR-NERVE DAISY	1 GAL	MINIMUM SIZE REQUIREMENTS

BOULDER

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CONTAINER	REMARKS
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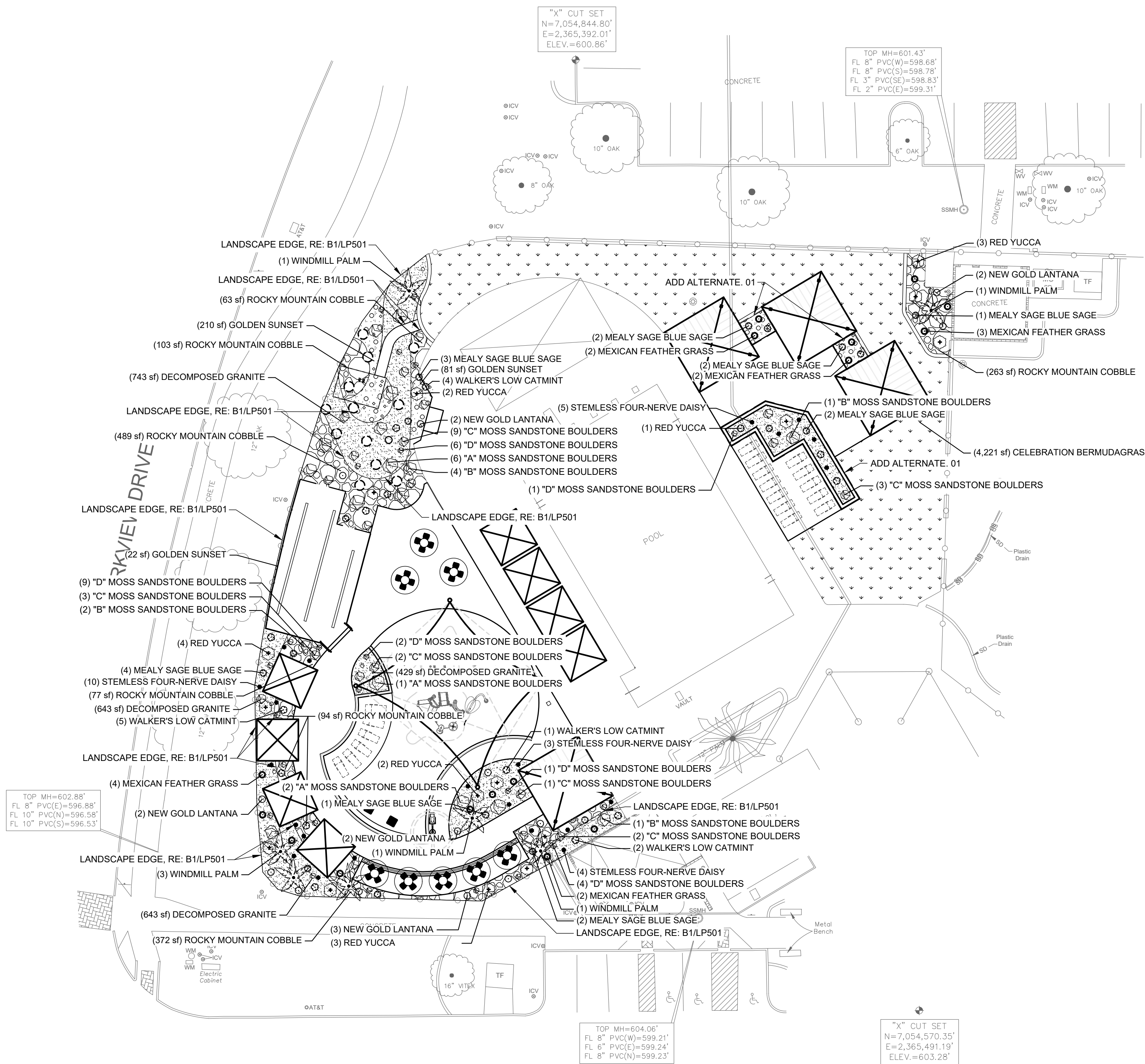
			MOSS SANDSTONE BOULDER, REF. DETAIL C1/LP501 FOR SIZING. A = 9, B = 8, C = 19, D = 23		59
--	--	--	--	--	----

GROUND COVERS

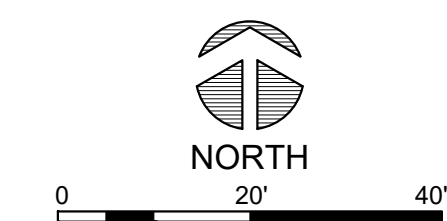
	DG	2,096 SF	DECOMPOSED GRANITE	--	1/2"
	GS	425 SF	GOLDEN SUNSET	--	EXTRA LARGE
	RM	1,461 SF	ROCKY MOUNTAIN COBBLE	--	SMALL

TURF GRASS

	CD	4,221 SF	CYNODON DACTYLON 'CELEBRATION' CELEBRATION BERMUDAGRASS	SOD	
--	----	----------	--	-----	--



EXISTING UTILITIES
CONTRACTOR MUST VERIFY LOCATION OF ALL OVERHEAD AND UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH CITY OFFICIALS AND UTILITY COMPANIES IN LOCATING UTILITIES. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR LOSSES DUE TO DAMAGE TO UTILITIES. LOCATION FOR ALL UTILITIES SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL CALL TEXAS 811, 1-800-344-8377.



CONTROL POINT #1 "X" CUT FND.	CONTROL POINT #2 "X" CUT FND.	CONTROL POINT #3 CoM GPS Mon. #43
N - 7125005.56 E - 2549220.74 ELEV. - 564.79	N - 7124814.87 E - 2548561.04 ELEV. - 579.68	N - 7124848.88 E - 2547677.32 ELEV. - 586.46



Trophy Club Community Pool Renovation Trophy Club, TX



CLIENT Town of Trophy Club 1 Trophy Wood Drive Trophy Club, TX 76262

PROJECT NO. 42997.24

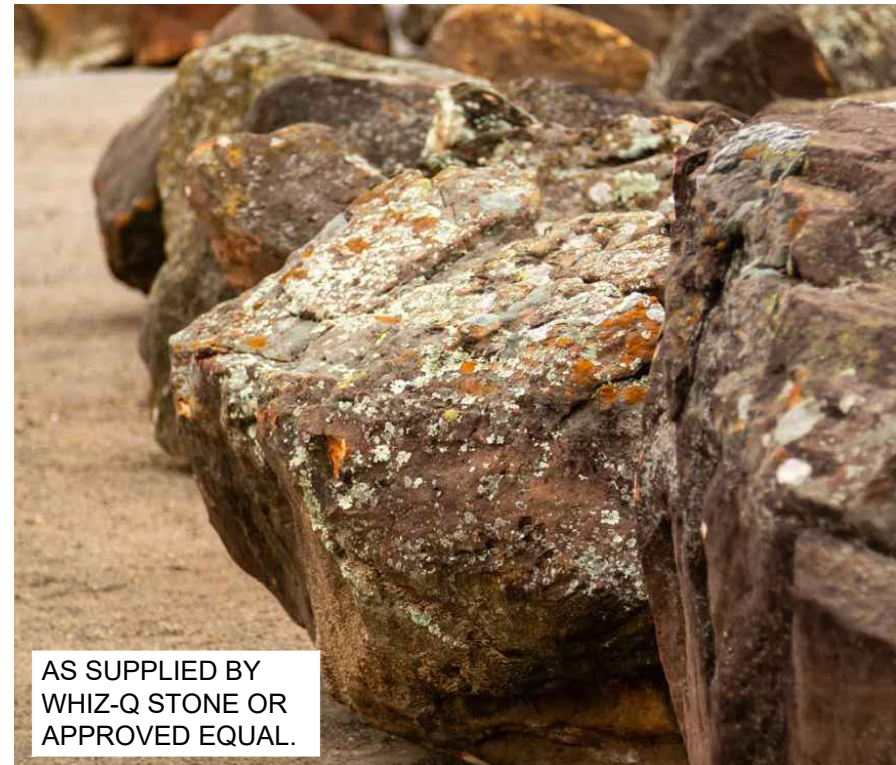
07/21/2025 Issue for Proposal # DATE DESCRIPTION

Plant Materials LP500



AS SUPPLIED BY WHIZ-Q STONE OR APPROVED EQUAL.

C1 ROCK MOUNTAIN COBBLE SMALL ROCK MULCH



AS SUPPLIED BY WHIZ-Q STONE OR APPROVED EQUAL.

C2 MOSS SANDSTONE BOULDER BOULDER



B1 FOUR NERVE DAISY PERENNIAL



B2 MEALY BLUE SAGE ORNAMENTAL GRASS

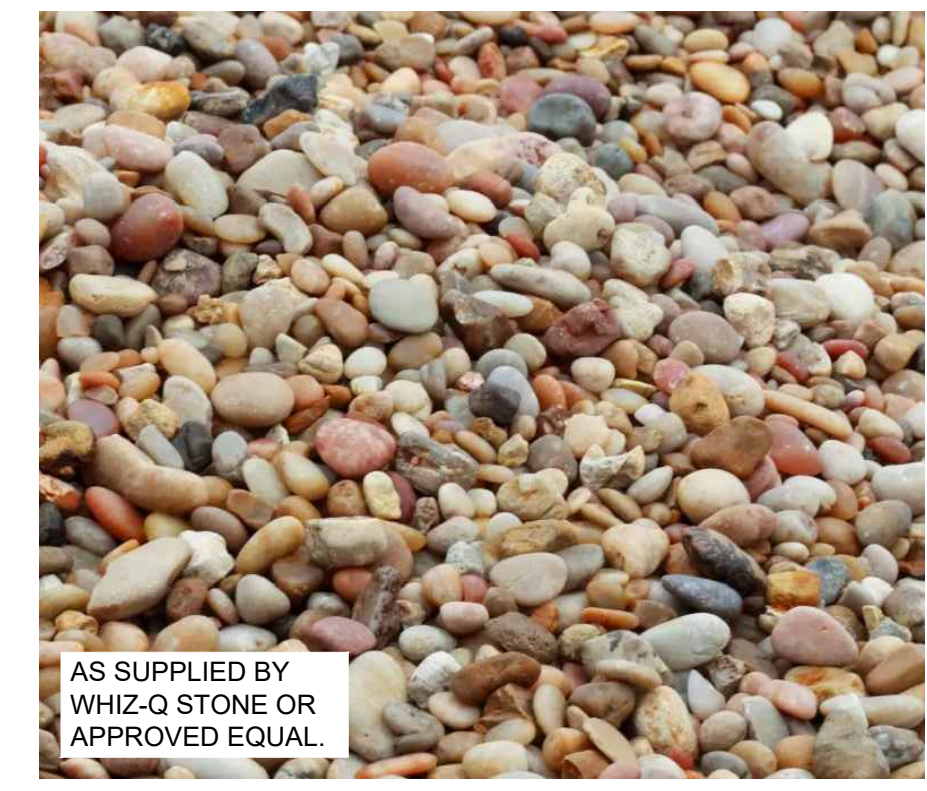


B3 WINDMILL PALM PERENNIAL



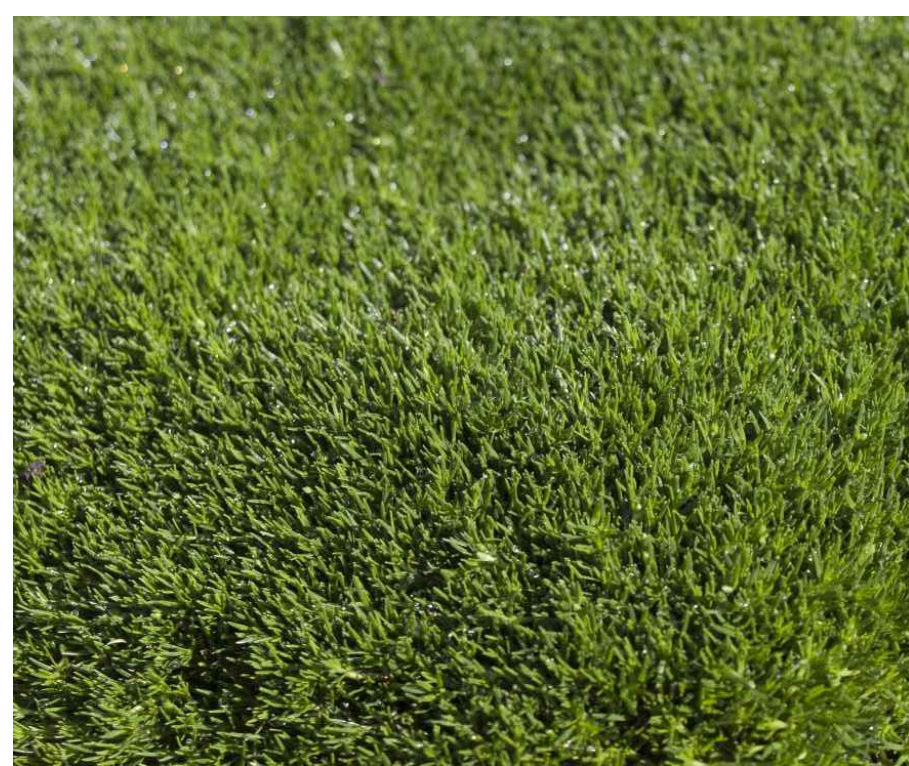
AS SUPPLIED BY WHIZ-Q STONE OR APPROVED EQUAL.

B4 1/2" DECOMPOSED GRANITE ROCK MULCH



AS SUPPLIED BY WHIZ-Q STONE OR APPROVED EQUAL.

B5 GOLDEN SUNSET EXTRA LARGE ROCK MULCH



A1 CELEBRATION BERMUDAGRASS GROUNDCOVER



A2 MEXICAN FEATHER GRASS ORNAMENTAL GRASS



A3 WALKER'S LOW CATMINT PERENNIAL



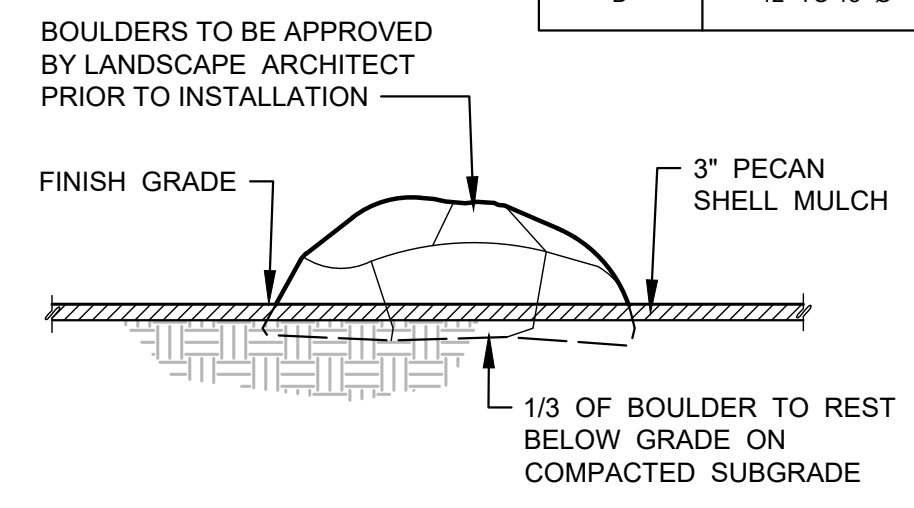
A4 NEW GOLD LANTANA PERENNIAL



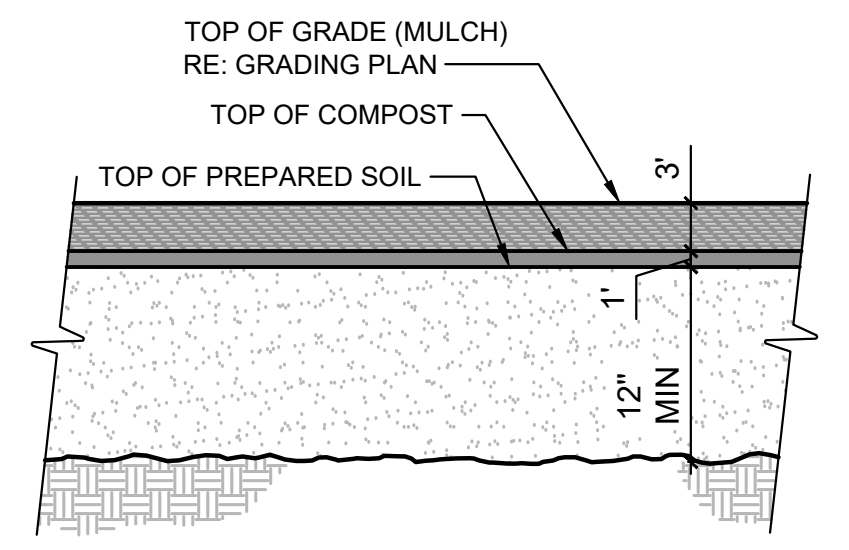
A5 RED YUCCA PERENNIAL

BOULDER SCHEDULE

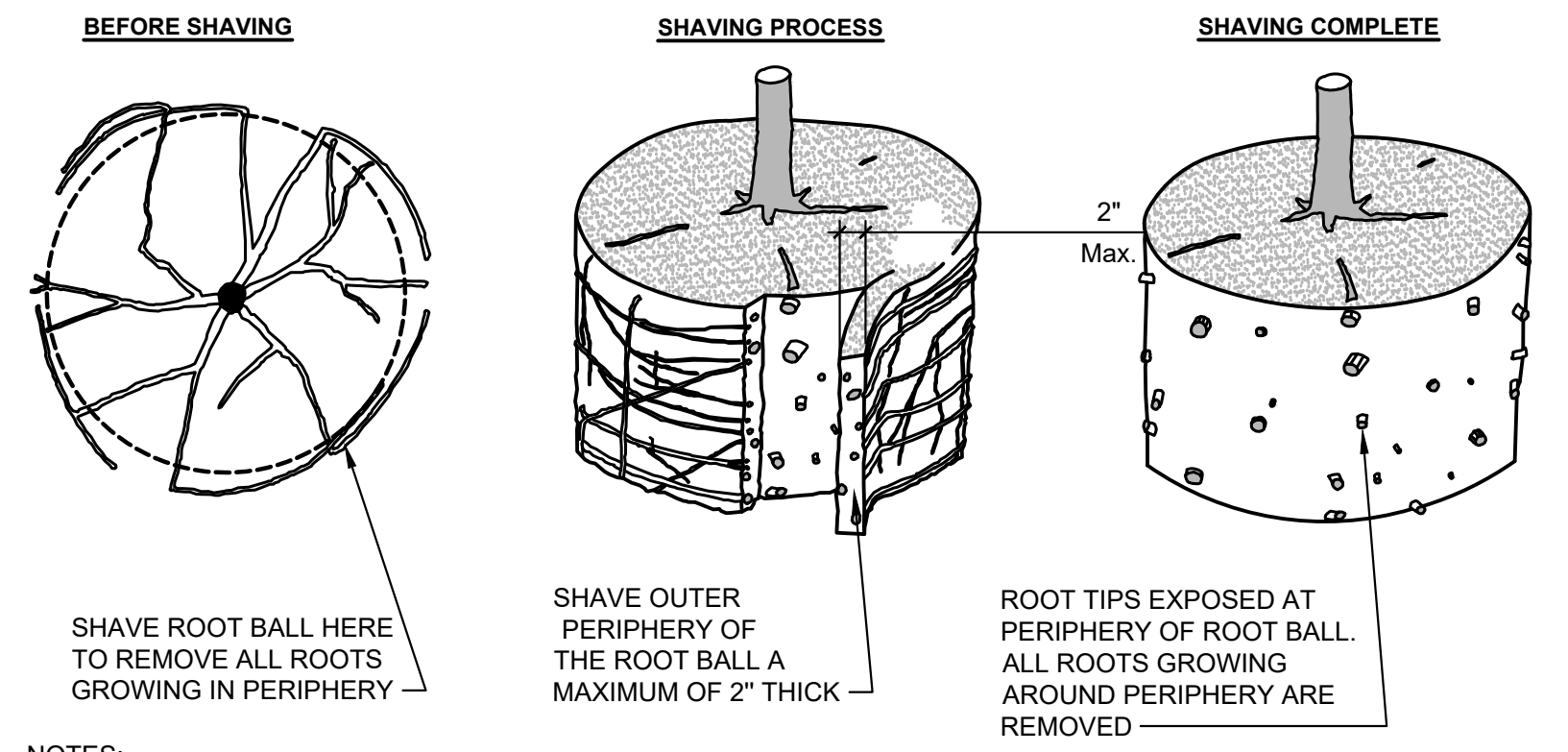
BOULDER	SIZE	HEIGHT
A	42" TO 48" Ø	36"
B	30" TO 42" Ø	30"
C	18" TO 30" Ø	18"
D	12" TO 18" Ø	12"



C1 LANDSCAPE BOULDER
SCALE: 1/2" = 1'-0"
L_BDR



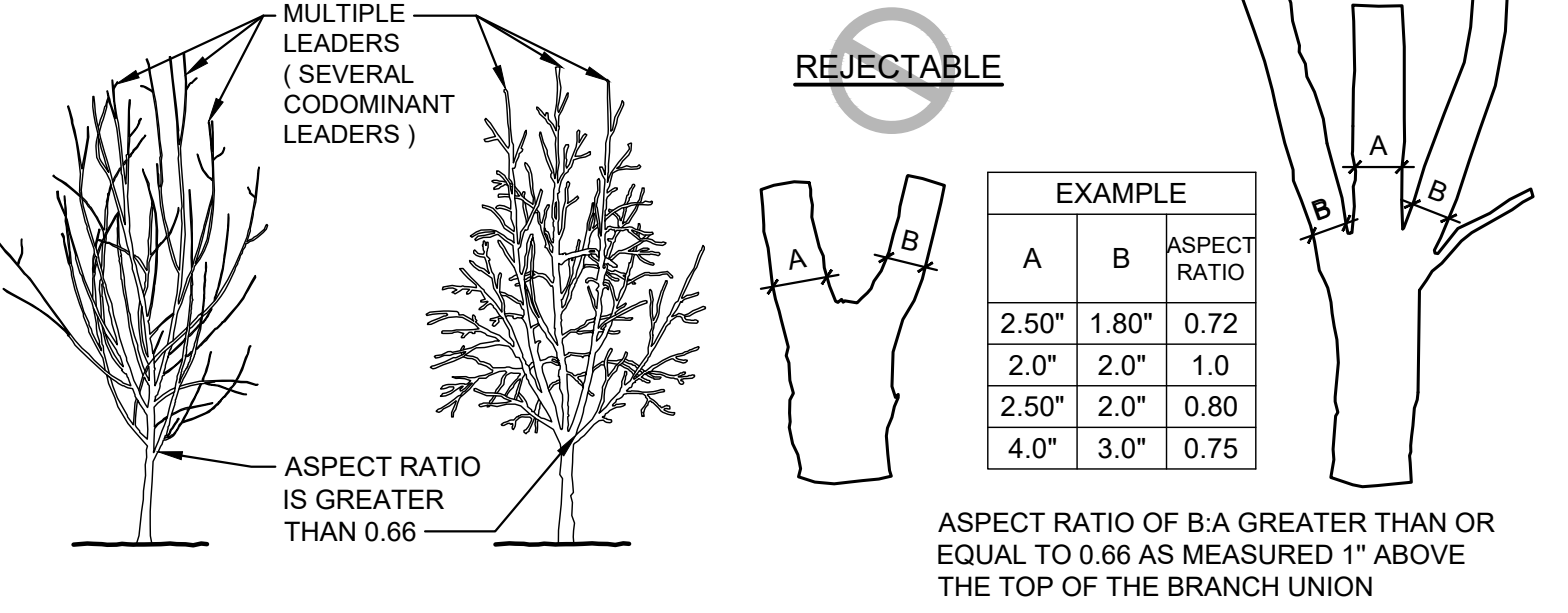
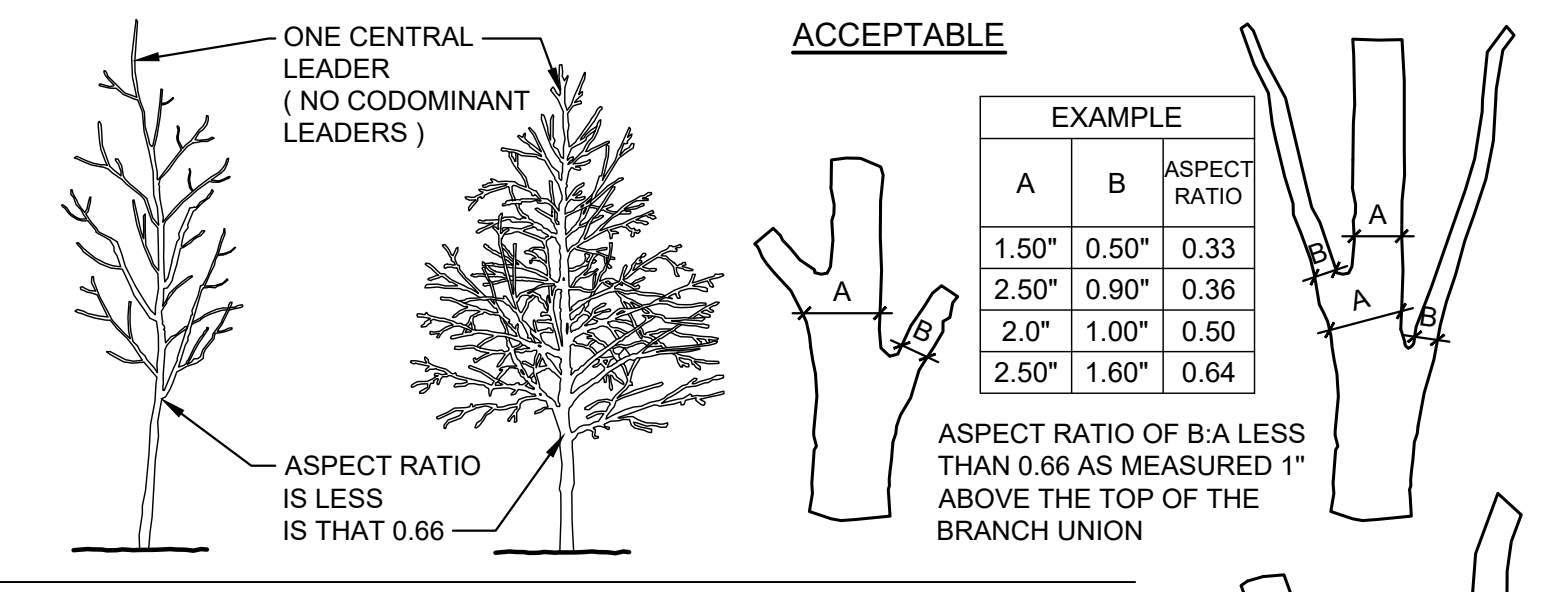
C2 TYPICAL PLANT BED SECTION
1"=1'-0"
L_TYP_PLANT_BED_SEC



NOTES:

- SHAVING TO BE CONDUCTED USING A SHARP BLADE OR HAND SAW ELIMINATING NO MORE THAN NEEDED TO REMOVE ALL ROOTS ON THE PERIPHERY OF ROOT BALL.
- SHAVING CAN BE PERFORMED JUST PRIOR TO PLANTING OR AFTER PLACING IN THE HOLE.

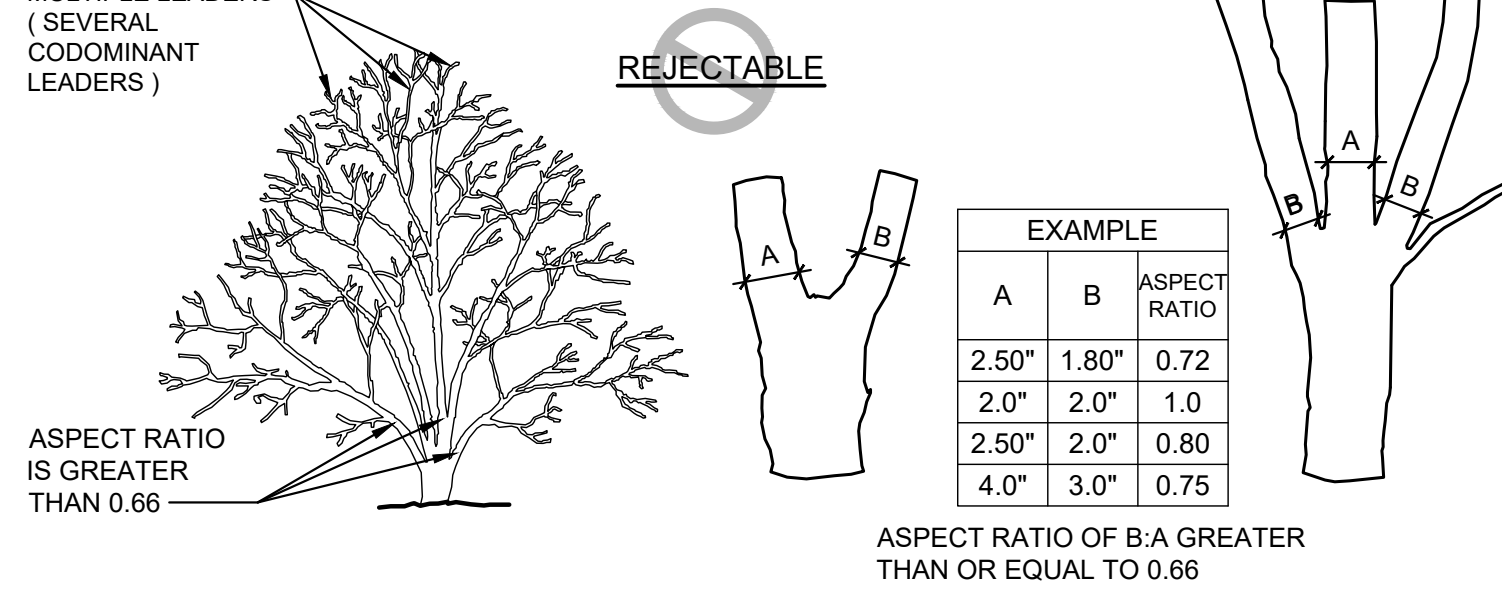
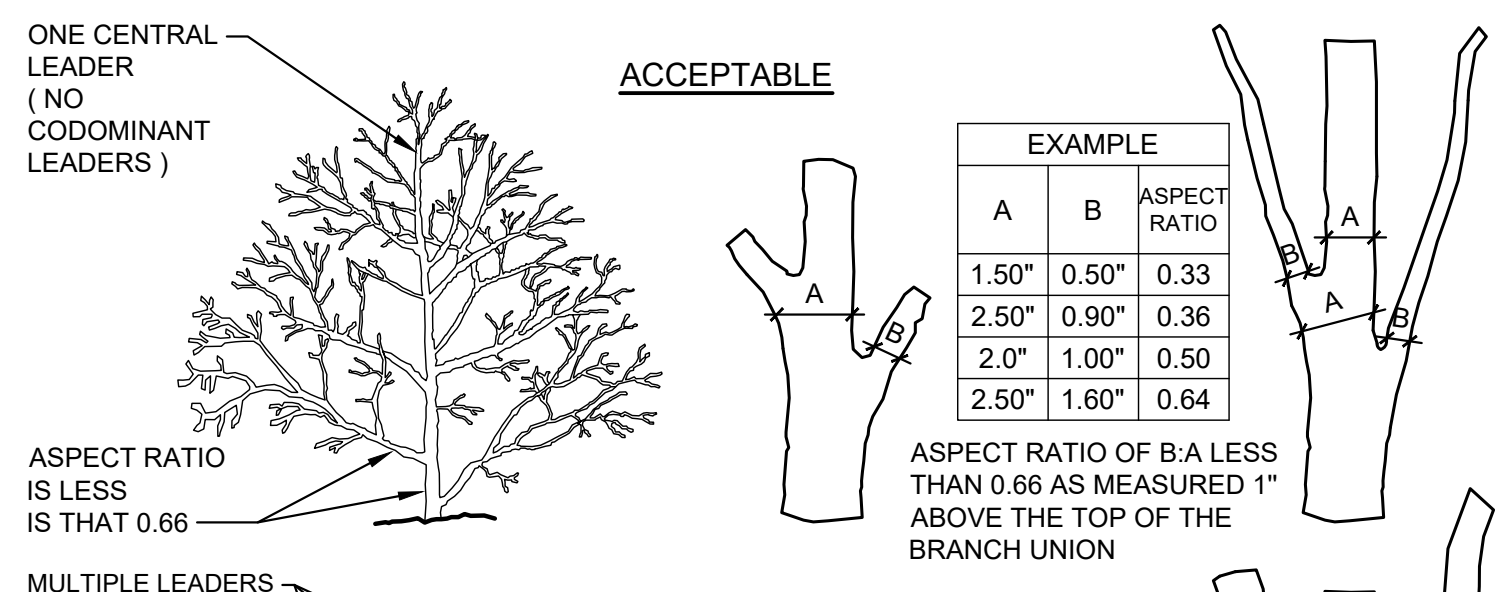
C3 ROOT BALL SHAVING CONTAINER DETAIL
3"=1'-0"
L_ROOT_BALL_SHAV_CONT



NOTES:

- ASPECT RATIO SHALL BE LESS THAN 0.66 ON ALL BRANCH UNIONS. ASPECT RATIO IS THE DIAMETER OF BRANCH (B) DIVIDED BY THE DIAMETER OF THE TRUNK (A) AS MEASURED 1" ABOVE THE TOP OF THE BRANCH UNION.
- ANY TREE NOT MEETING THE CROWN OBSERVATIONS DETAIL MAY BE REJECTED.

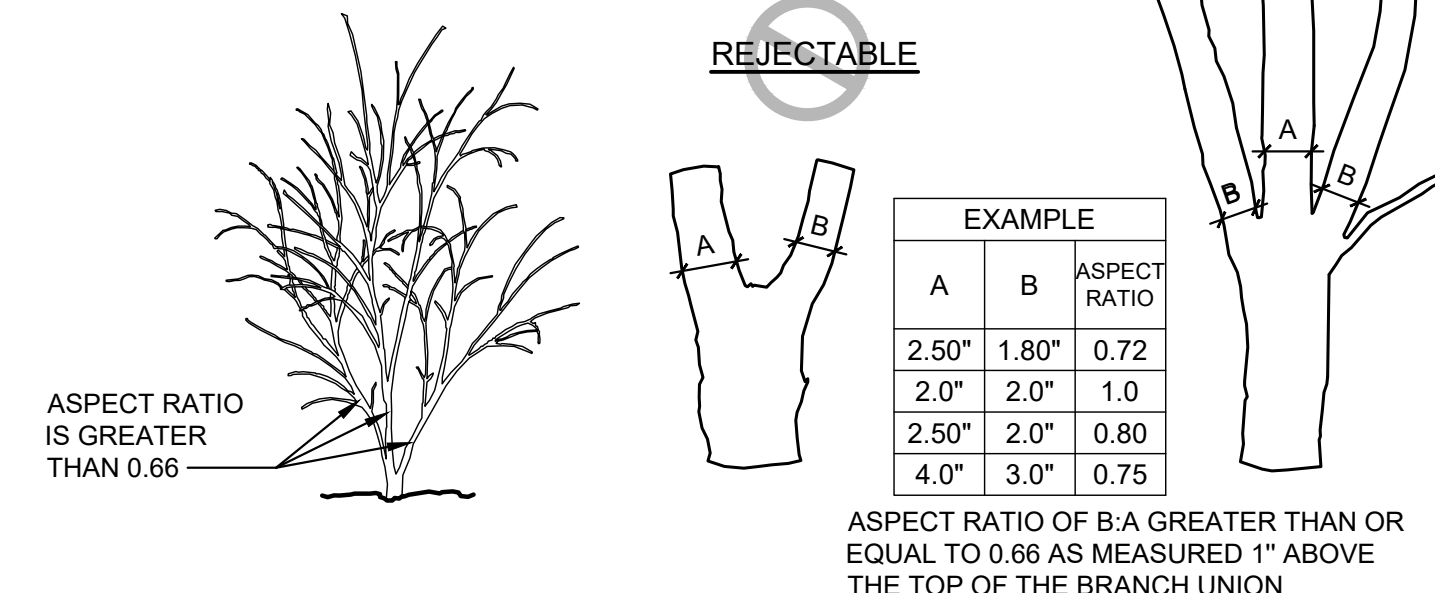
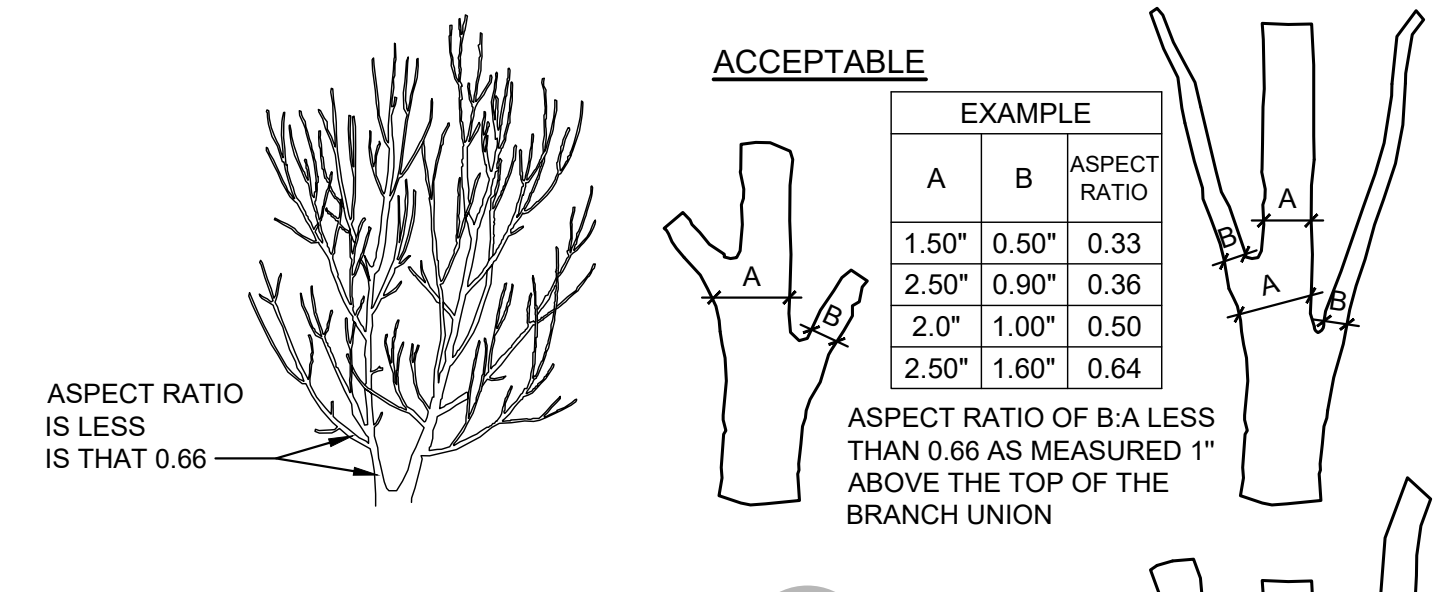
C4 CROWN OBSERVATIONS - HIGH BRANCHED
1/4"=1'-0"
L_TREE_CROWN_OB_HIGH_BRANCH



NOTES:

- ASPECT RATIO SHALL BE LESS THAN 0.66 ON ALL BRANCH UNIONS. ASPECT RATIO IS THE DIAMETER OF BRANCH (B) DIVIDED BY THE DIAMETER OF THE TRUNK (A) AS MEASURED 1" ABOVE THE TOP OF THE BRANCH UNION.
- ANY TREE NOT MEETING THE CROWN OBSERVATIONS DETAIL MAY BE REJECTED.

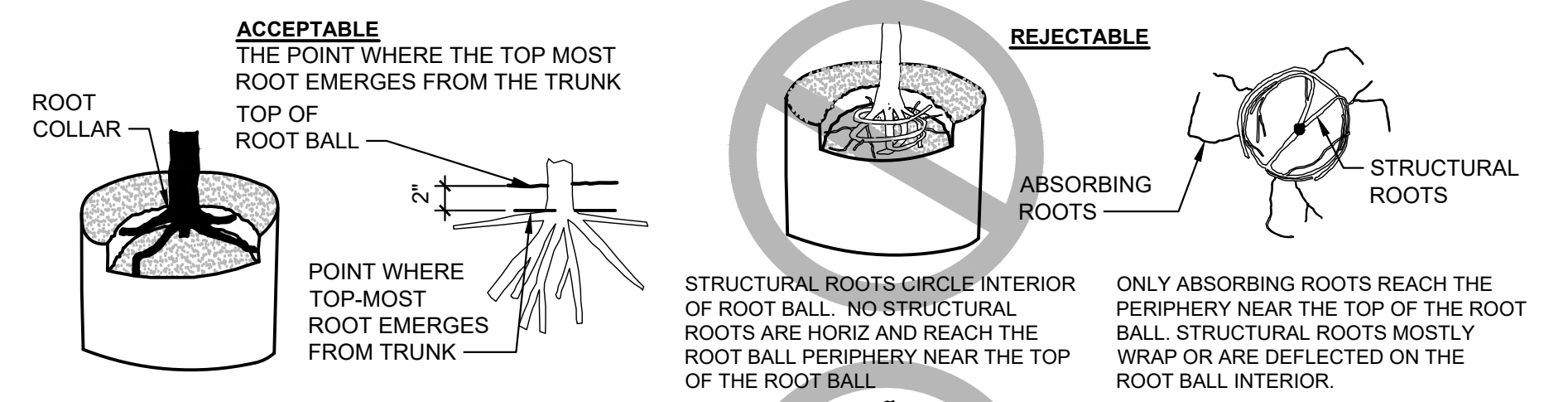
A1 CROWN OBSERVATIONS - LOW BRANCHED
1/4"=1'-0"
L_TREE_CROWN_OB_LOW_BRANCH



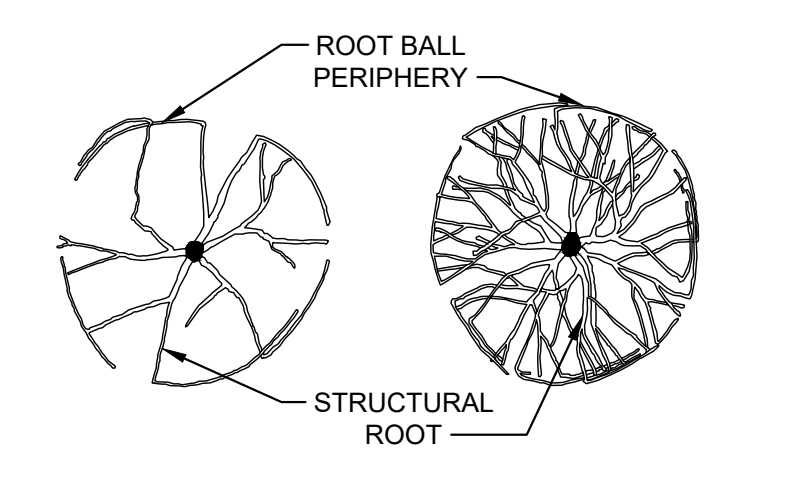
NOTES:

- ASPECT RATIO SHALL BE LESS THAN 0.66 ON ALL BRANCH UNIONS. ASPECT RATIO IS THE DIAMETER OF BRANCH (B) DIVIDED BY THE DIAMETER OF THE TRUNK (A) AS MEASURED 1" ABOVE THE TOP OF THE BRANCH UNION.
- ANY TREE NOT MEETING THE CROWN OBSERVATIONS DETAIL MAY BE REJECTED.

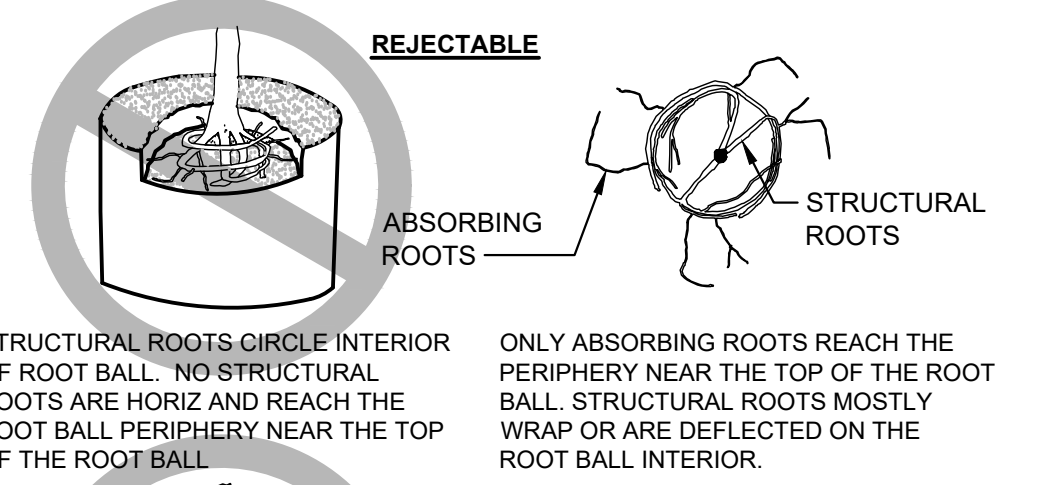
A2 CROWN OBSERVATION DETAIL - MULTI
1/4"=1'-0"
L_TREE_CROWN_OB_MULTI



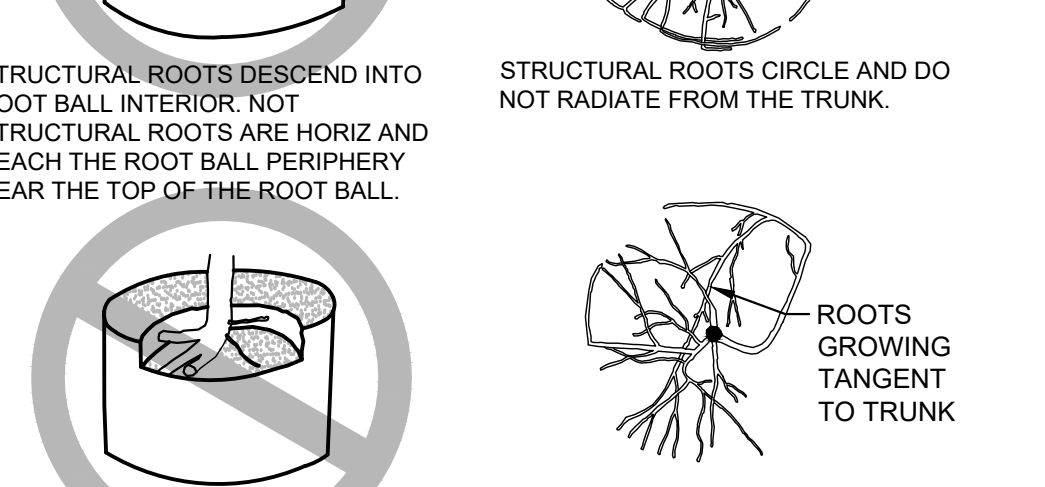
THE POINT WHERE TOP-MOST ROOT(S) EMERGES FROM THE TRUNK (ROOT COLLAR) SHOULD BE WITHIN THE TOP 2" OF SUBSTRATE. THE ROOT COLLAR AND THE ROOT BALL INTERIOR SHOULD BE FREE OF DEFECTS INCLUDING CIRCLING, KINKED, ASCENDING AND STEM GIRDLING ROOTS. STRUCTURAL ROOTS SHALL REACH THE PERIPHERY NEAR THE TOP OF THE ROOT BALL.



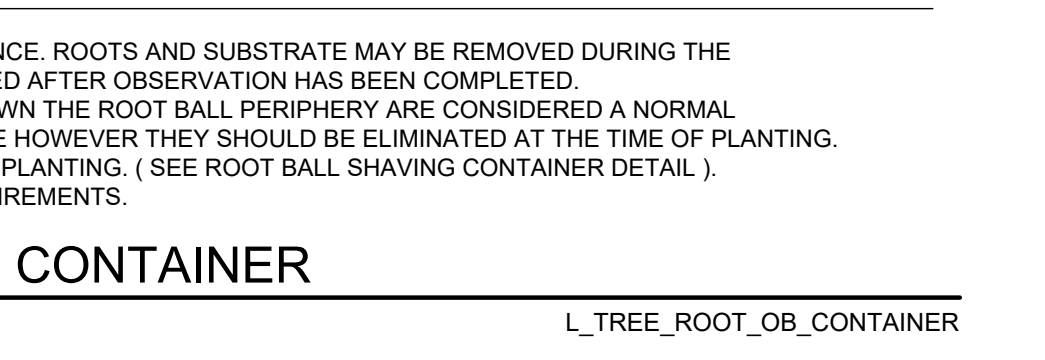
ROOTS RADIATE FROM TRUNK AND REACH SIDE OF ROOT BALL WITHOUT DEFLECTING DOWN OR AROUND.



STRUCTURAL ROOTS DESCEND INTO ROOT BALL INTERIOR. NOT STRUCTURAL ROOTS ARE HORIZ AND REACH THE ROOT BALL PERIPHERY NEAR THE TOP OF THE ROOT BALL.



STRUCTURAL ROOTS PRIMARILY GROW TO ONE SIDE.



NOTES:

- OBSERVATIONS OF ROOTS SHALL OCCUR PRIOR TO ACCEPTANCE. ROOTS AND SUBSTRATE MAY BE REMOVED DURING THE OBSERVATION PROCESS; SUBSTRATE/SOIL SHALL BE REPLACED AFTER OBSERVATION HAS BEEN COMPLETED.
- SMALL ROOTS (1/4" OR LESS) THAT GROW AROUND, UP, OR DOWN THE ROOT BALL PERIPHERY ARE CONSIDERED A NORMAL CONDITION IN CONTAINER PRODUCTION AND ARE ACCEPTABLE HOWEVER THEY SHOULD BE ELIMINATED AT THE TIME OF PLANTING. ROOTS ON THE PERIPHERY CAN BE REMOVED AT THE TIME OF PLANTING. (SEE ROOT BALL SHAVING CONTAINER DETAIL).
- SEE SPECIFICATIONS FOR OBSERVATION PROCESS AND REQUIREMENTS.

A4 ROOT OBSERVATION DETAIL - CONTAINER
1"=1'-0"
L_TREE_ROOT_OB_CONTAINER



Trophy Club Community Pool Renovation

Trophy Club, TX



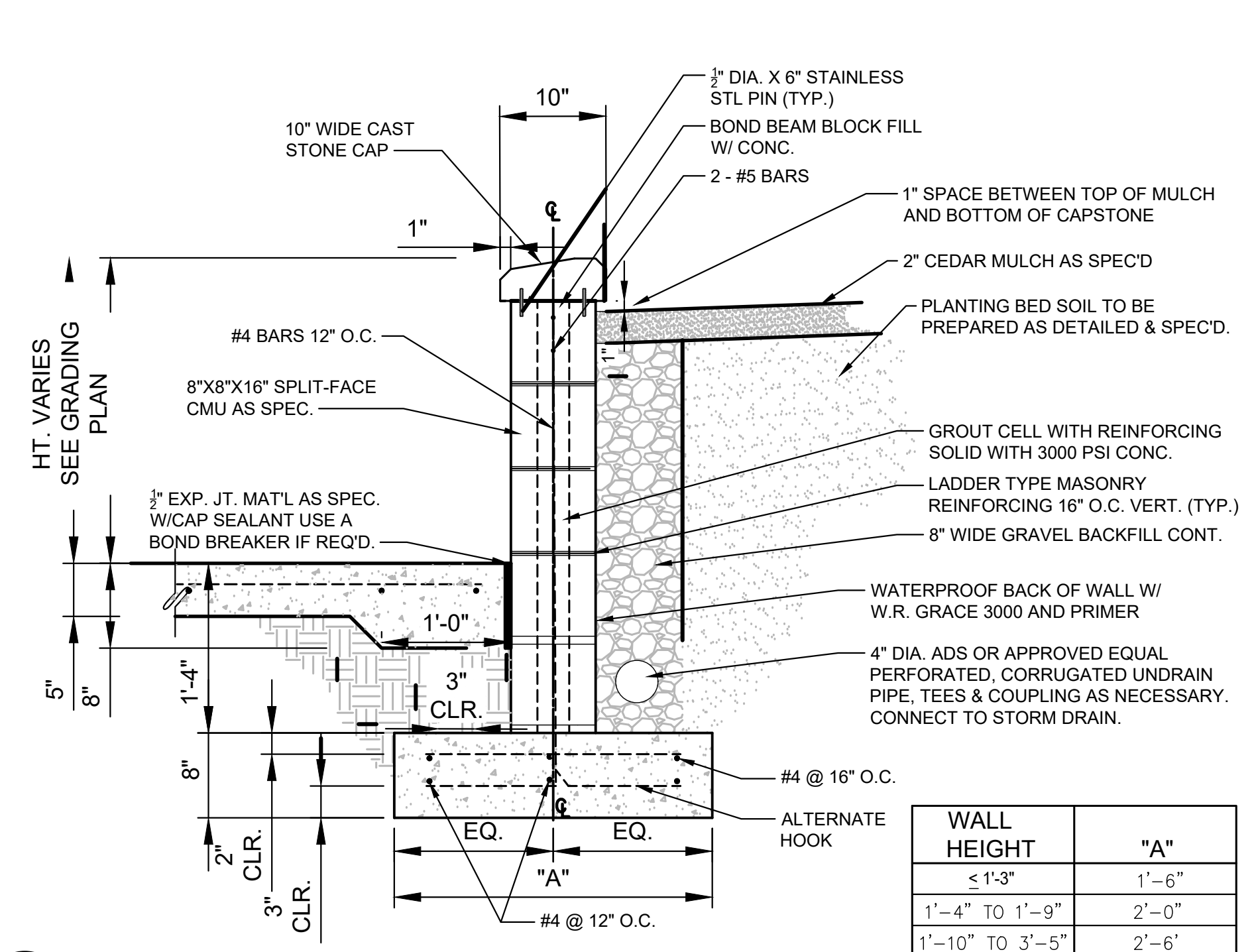
CLIENT
Town of Trophy Club
1 Trophy Wood Drive
Trophy Club, TX 76262

PROJECT NO.
42997.24

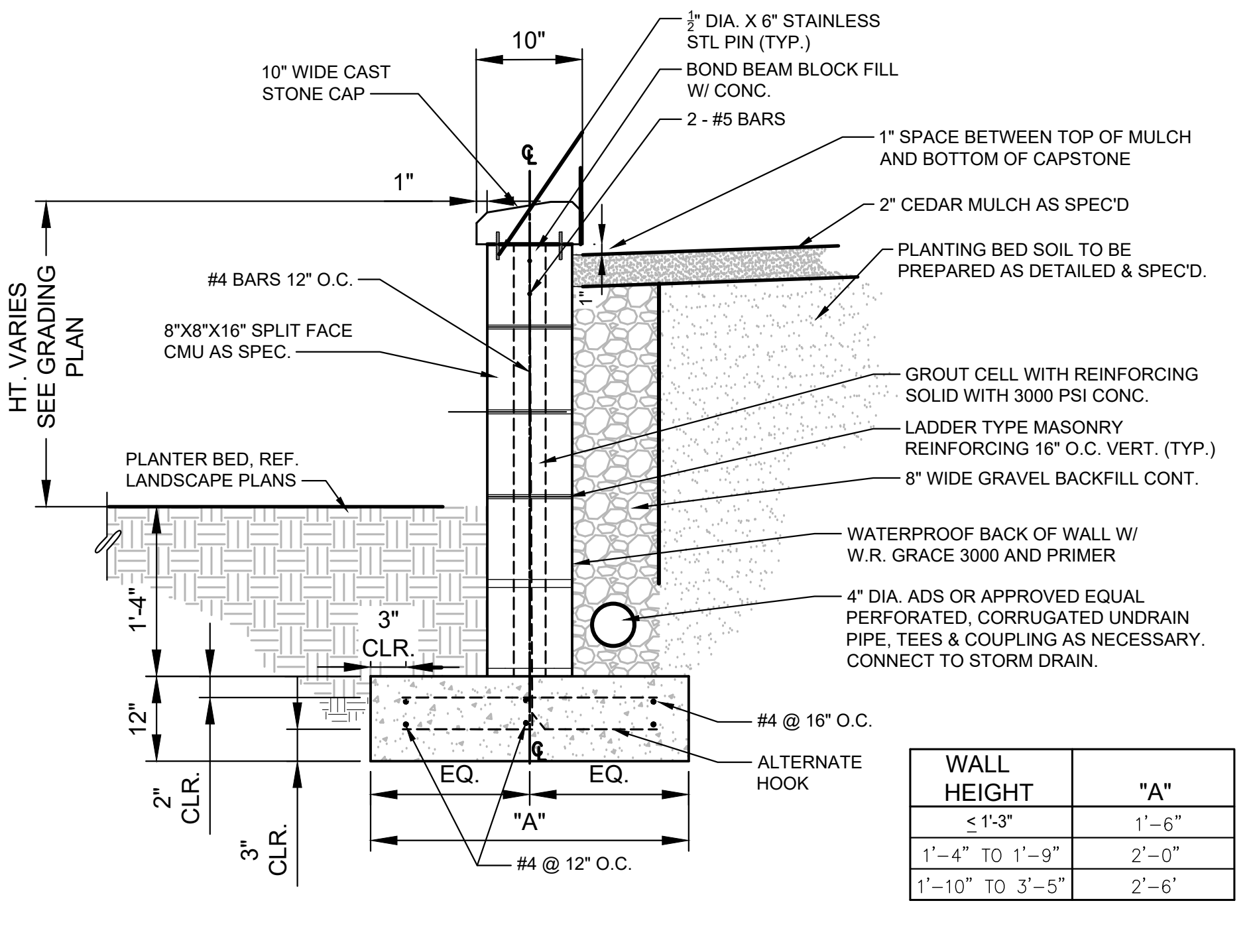
07/21/2025 Issue for Proposal
DATE DESCRIPTION

Site Details

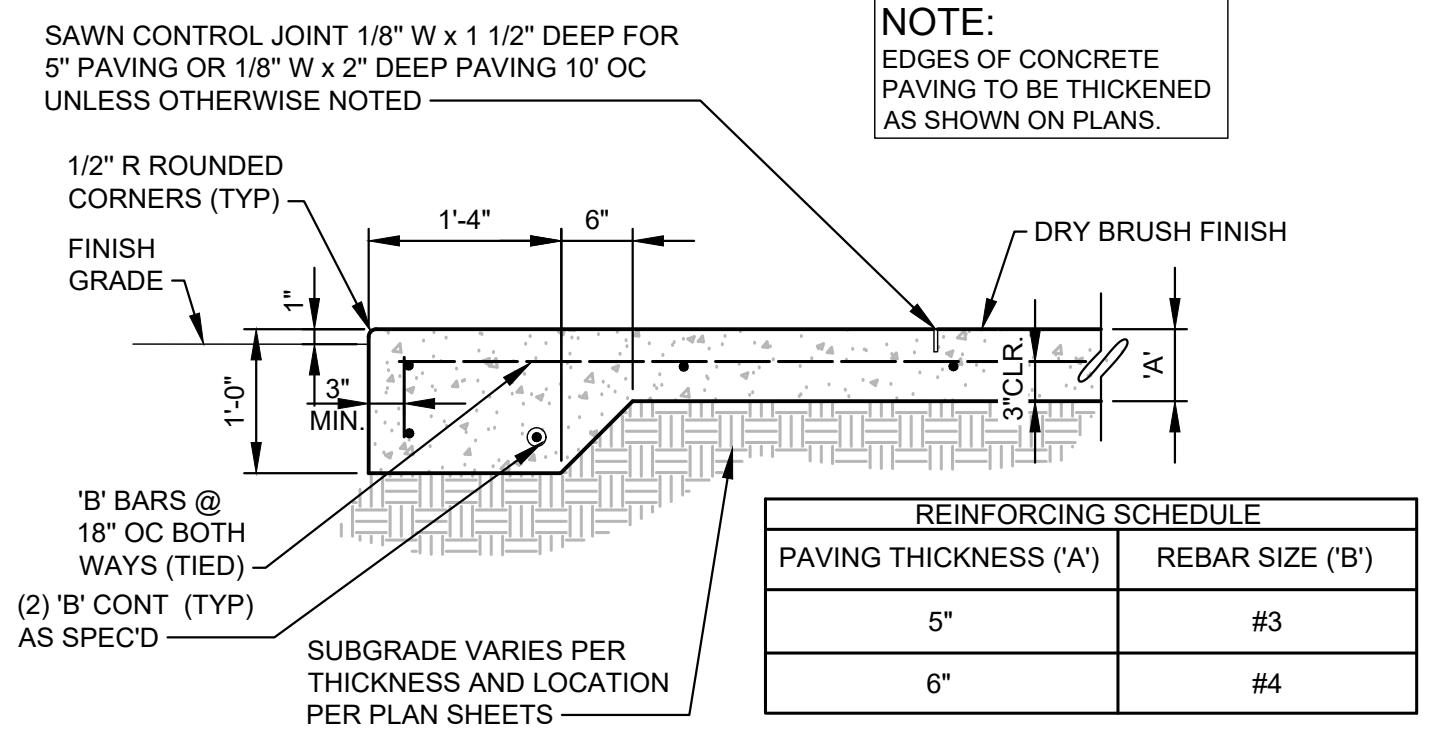
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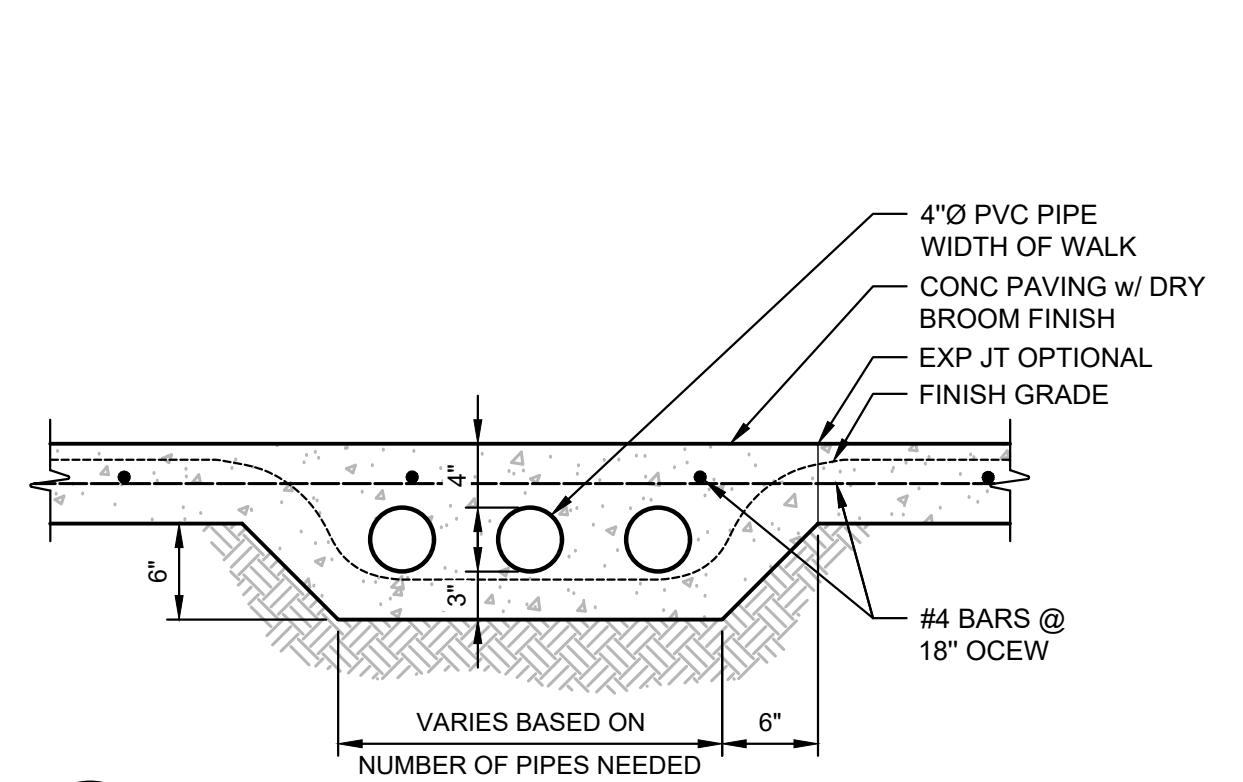
C1 PLANTER WALL ADJACENT TO PAVING
1"=1'-0"



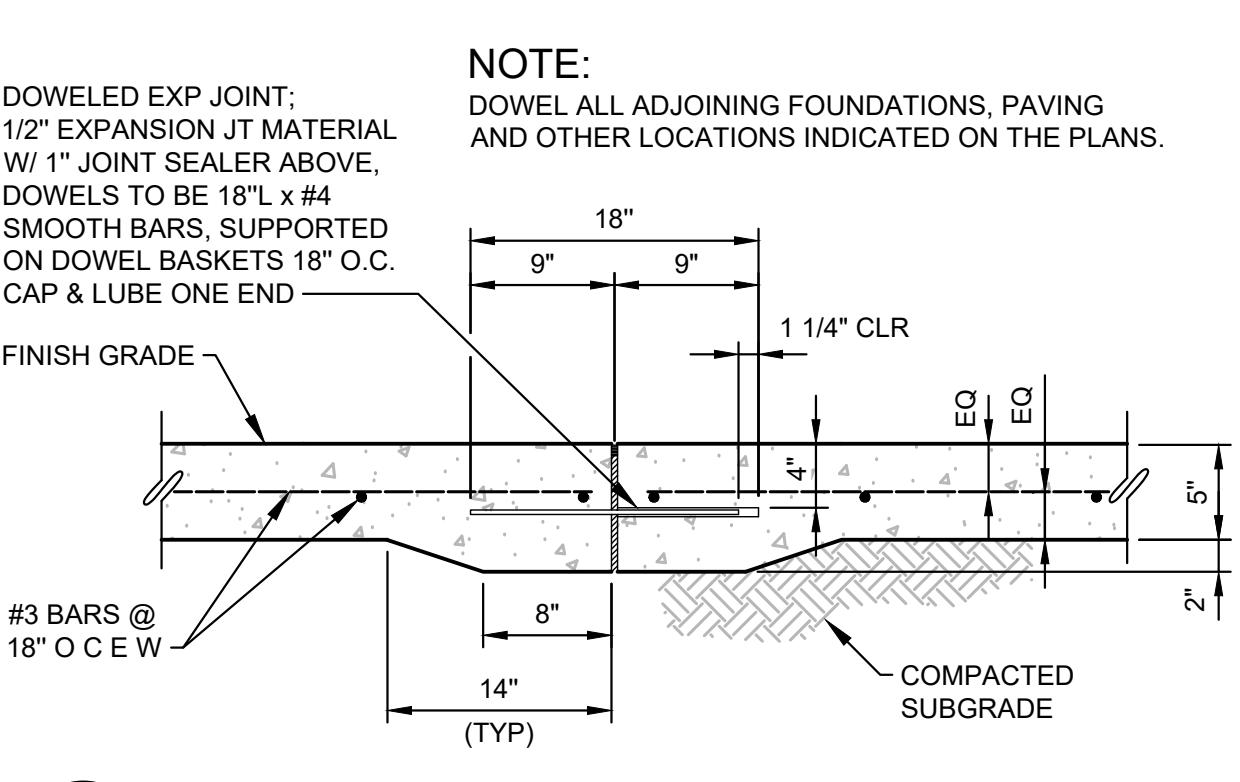
C3 PLANTER WALL ADJACENT TO PLANTER
1"=1'-0"



B1 THICKENED CONCRETE EDGE
3/4"=1'-0" PVMT_CONC_THICKENED_EDGE

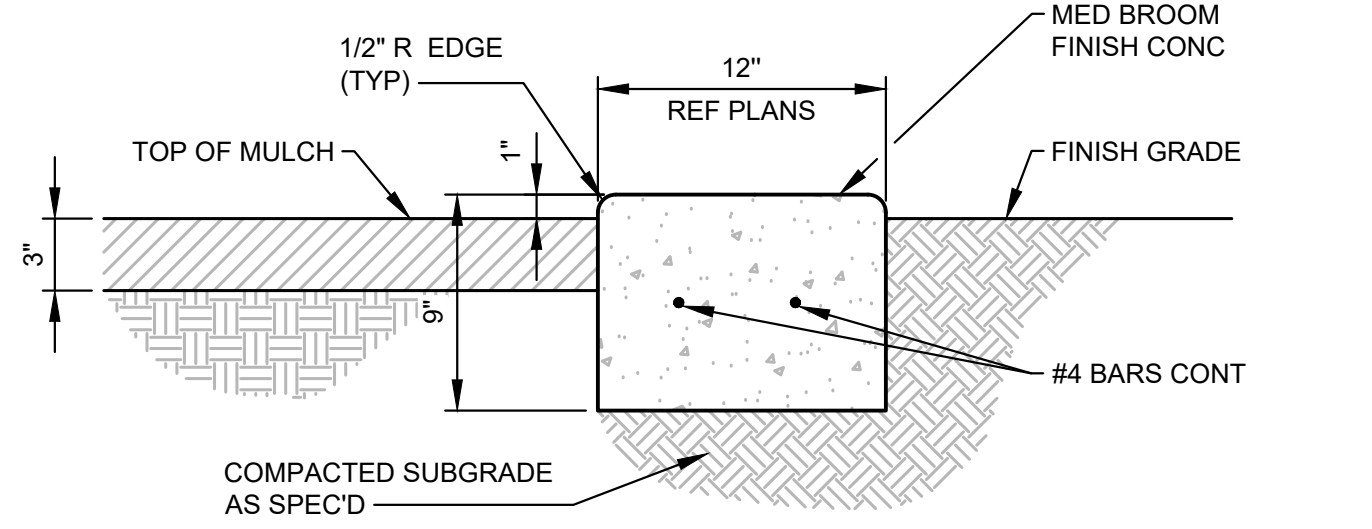


B2 SIDEWALK DRAIN
1"=1'-0" PVMT_SIDEWALK_DRAIN

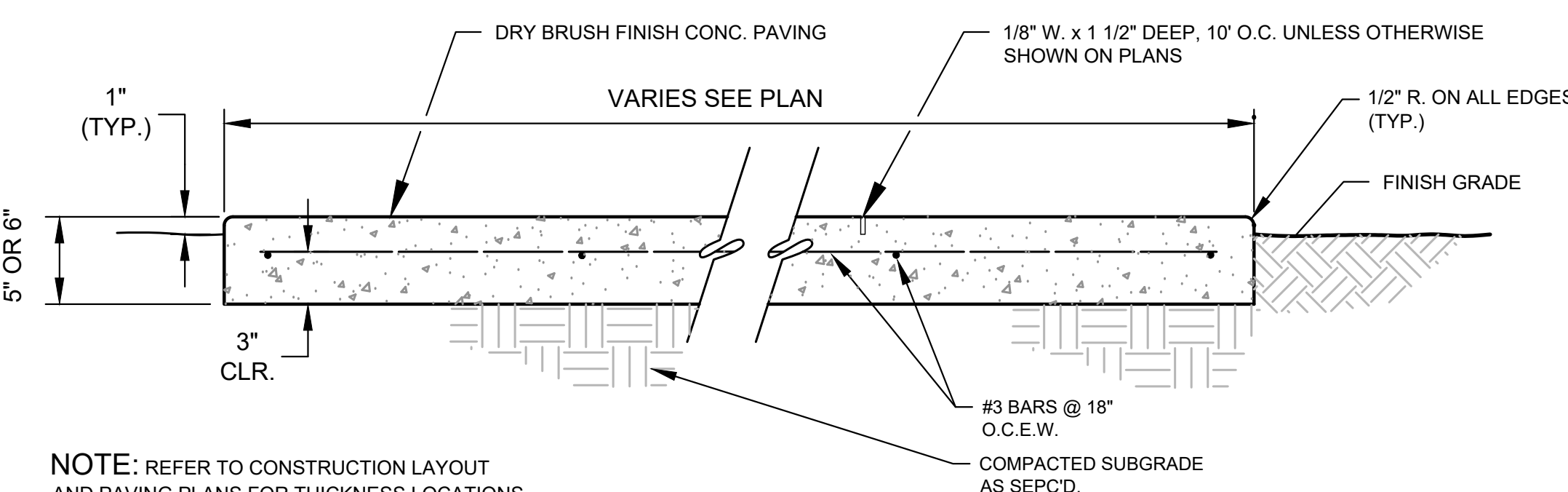


B3 WALK & PLAZA EXPANSION JOINT
1"=1'-0" PVMT_CONC_WALK_PLAZA_EXP_JOINT

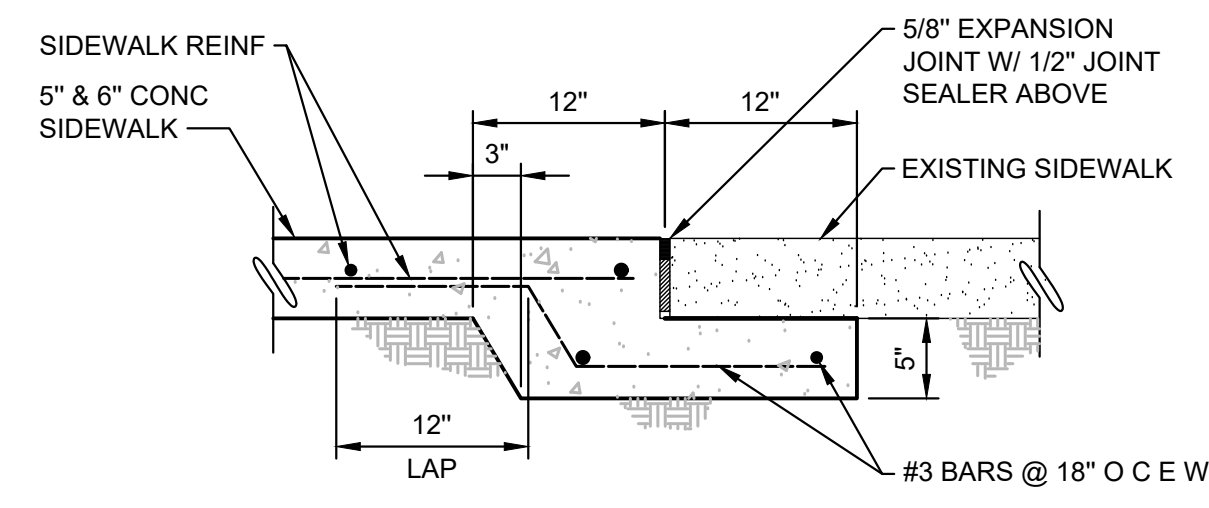
- NOTE:**
- MOWSTRIP TO BE DOWELED INTO EDGE OF CONC PAVING
 - CONTROL JOINTS TO BE 1/8" WIDE X 1 3/4" DEEP, SPACED 5' OC
 - DOWELED EXPANSION JOINTS TO BE 51" OC, AND AT ENDS. DOWELED EXPANSION JOINTS TO BE 12" L W/ #4 SMOOTH BAR DOWEL, CAP AND LUBE ONE END. JOINT IS TO BE 1/2" PREMOLDED FIBER EXPANSION JOINT MATERIAL WITH 1" JOINT SEALER ABOVE.
 - CONTRACTOR SHALL STAKE LAYOUT OF EDGING FOR APPROVAL BY ARCHITECT / ENGINEER



A1 12" CONCRETE LANDSCAPE EDGE
1 1/2"=1'-0" PVMT_CONC_MOWSTRIP_LANDSCAPE_EDGE

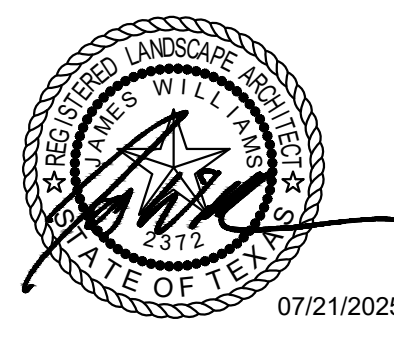


A2 5" PEDESTRIAN CONCRETE PAVING
1 1/2"=1'-0" PVMT_CONC_5IN_PEDESTRIAN_PAVING



A4 CONNECTION TO EXISTING CONCRETE
1"=1'-0" PVMT_CONC_SDWALK_CONN

A:\2024\42997.24\03_DSGN\01_DWG\060_SHEETS\LD500_SITE_DETAILS.DWG, 7/18/2025 5:46:18 PM, awilliams



Trophy Club Community Pool Renovation

Trophy Club, TX



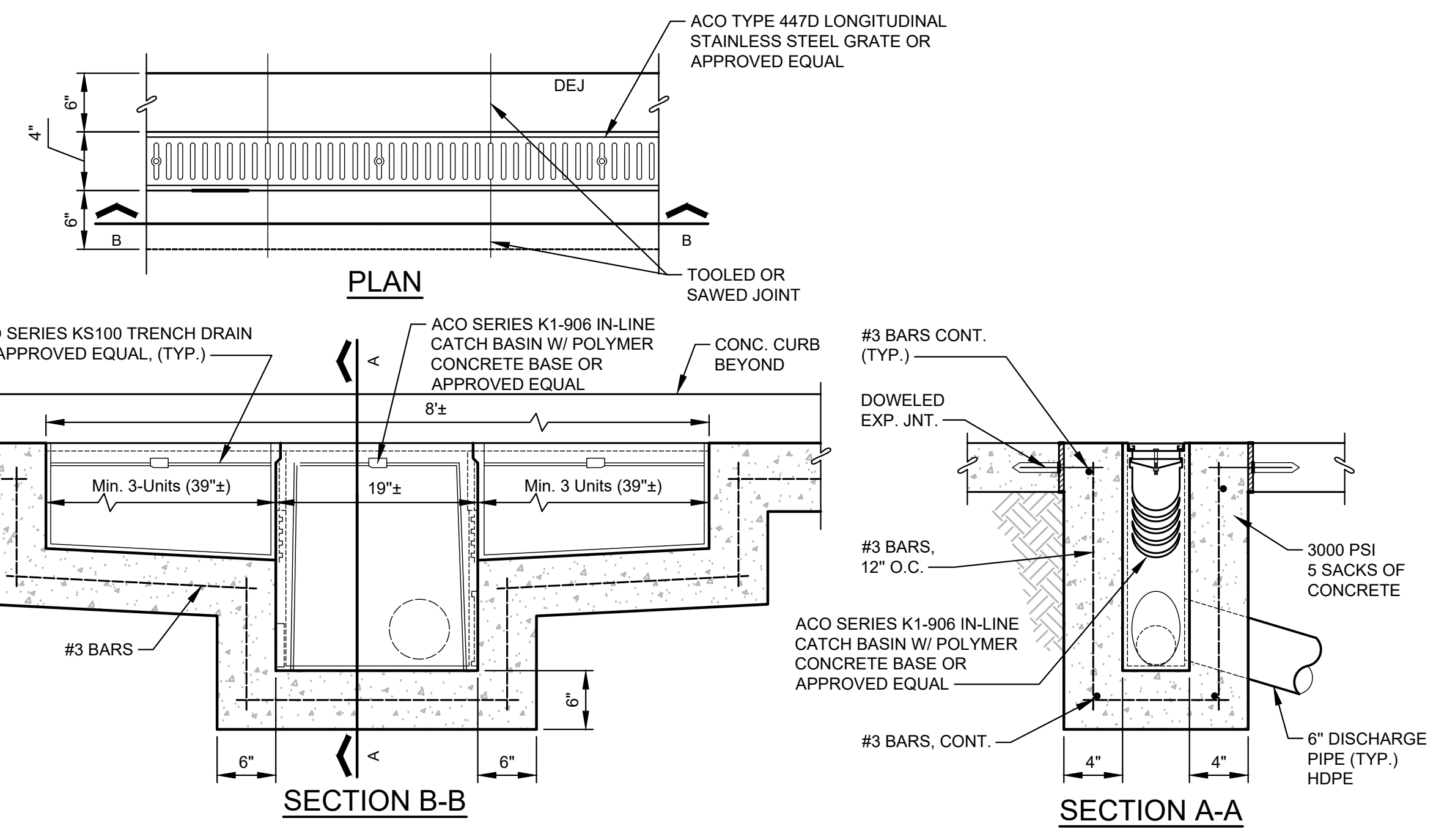
CLIENT
 Town of Trophy Club
 1 Trophy Wood Drive
 Trophy Club, TX 76262

PROJECT NO.
42997.24

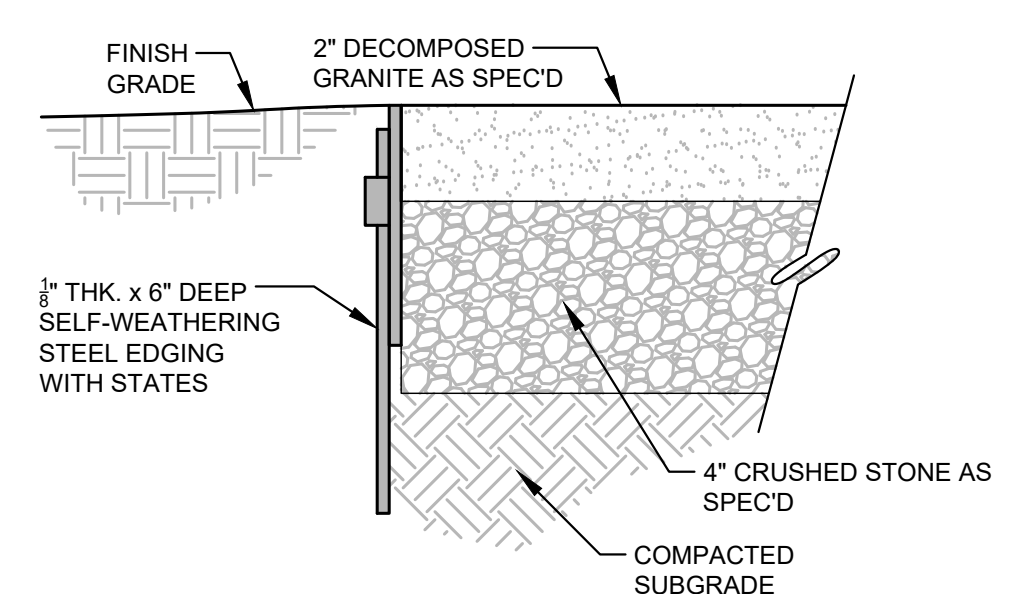
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-	07/21/2025	Issue for Proposal

Site Details

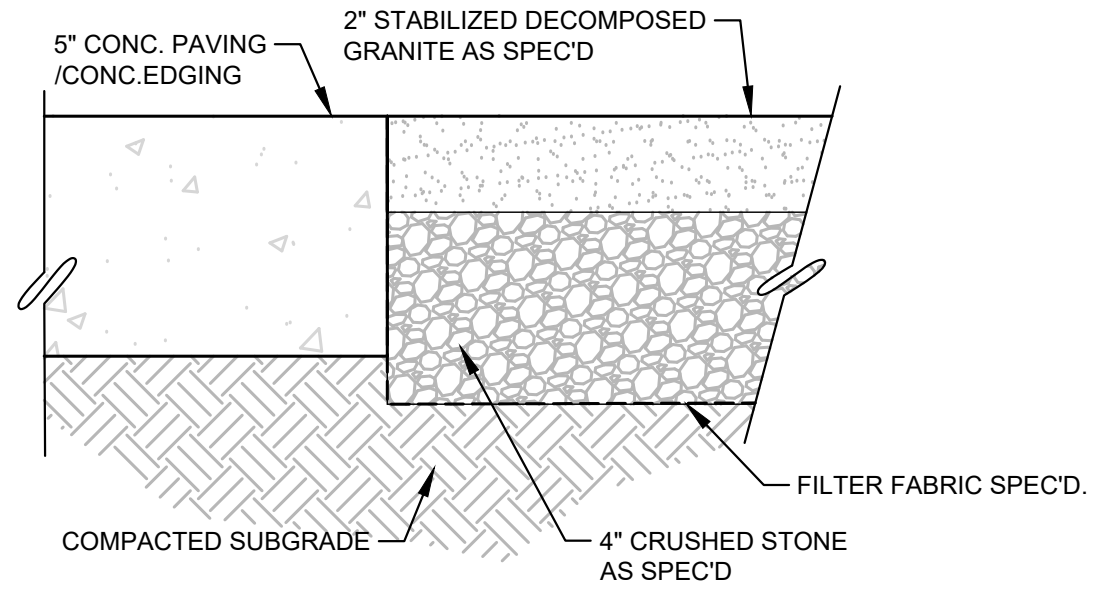
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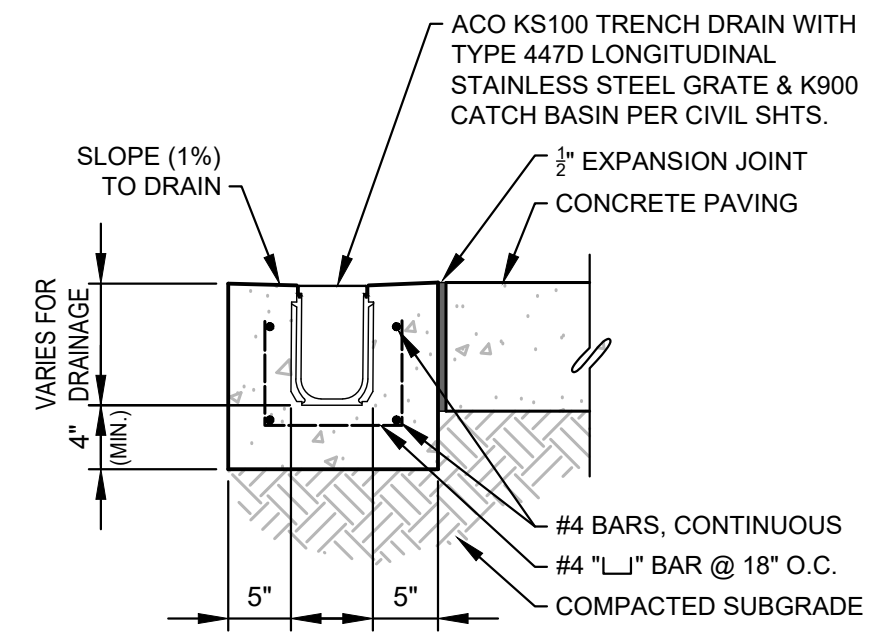
C1 TRENCH DRAIN
 1"=1'-0"
 SD_TREN_DRN_W_CATCH_BSN



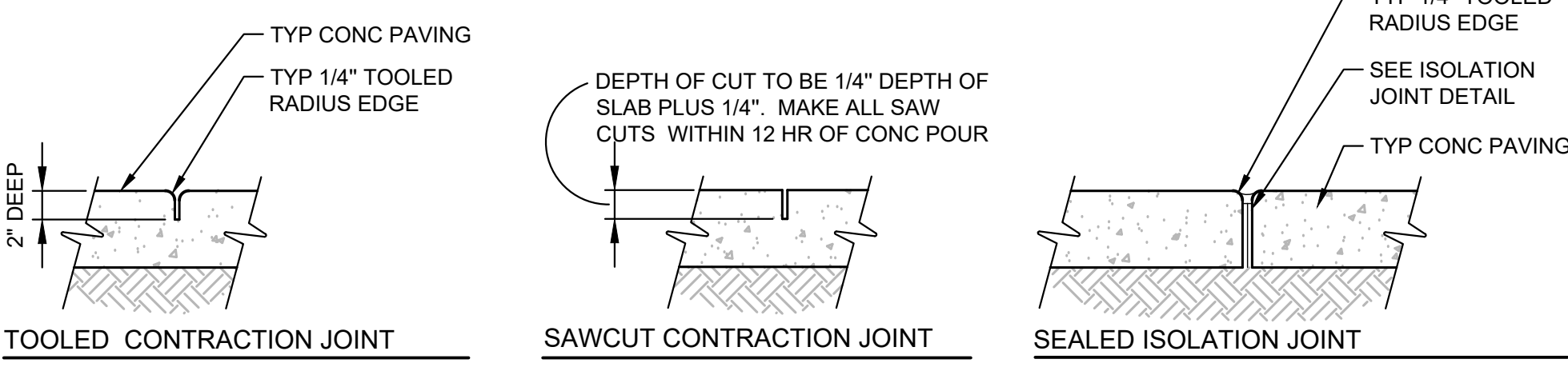
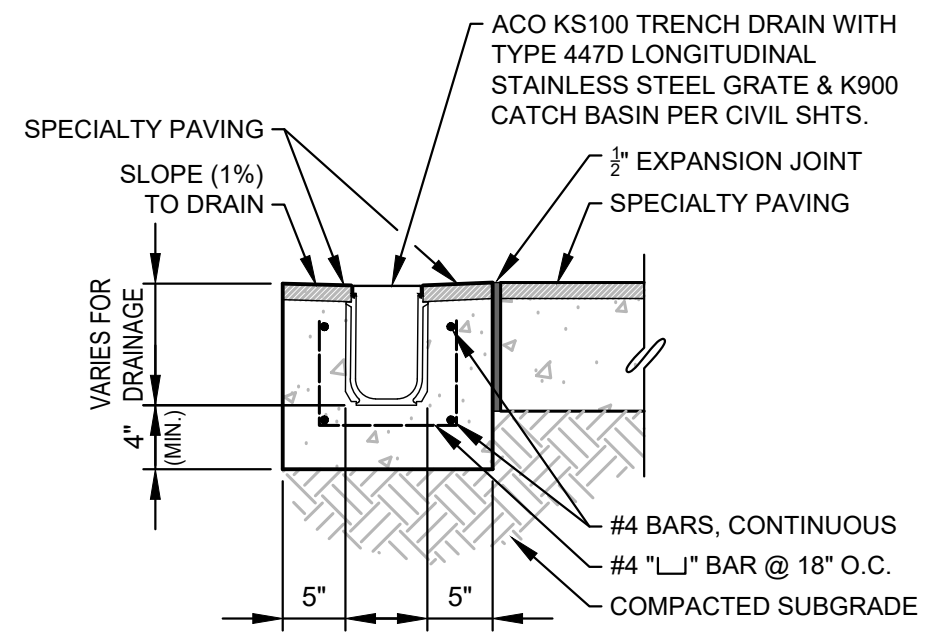
B1 DECOMPOSED GRANITE SURFACING WITH STEEL EDGE
 3" = 1'-0"
 PVMT_DG_STL_EDGE



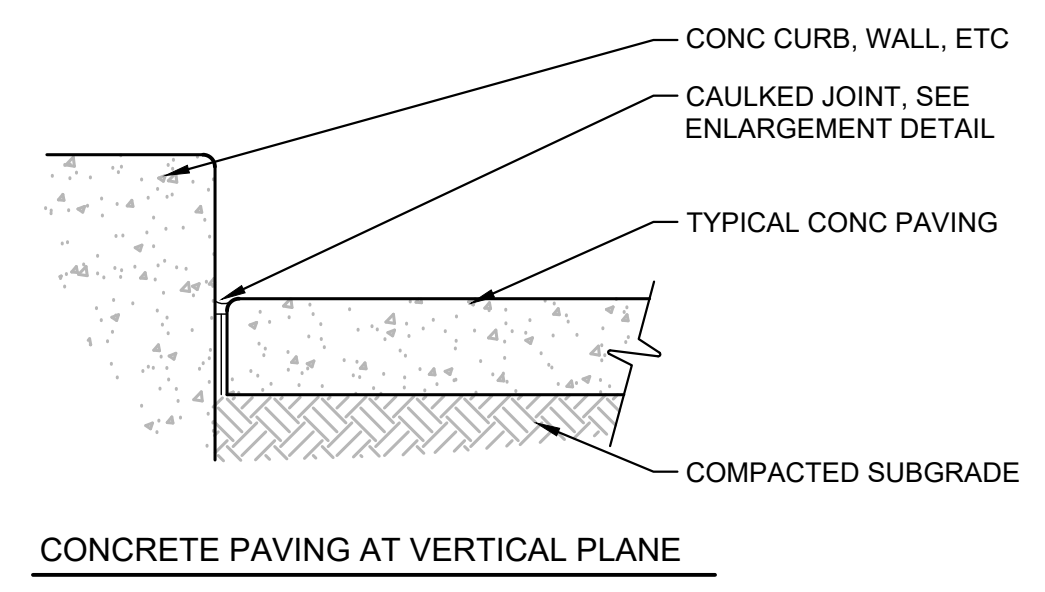
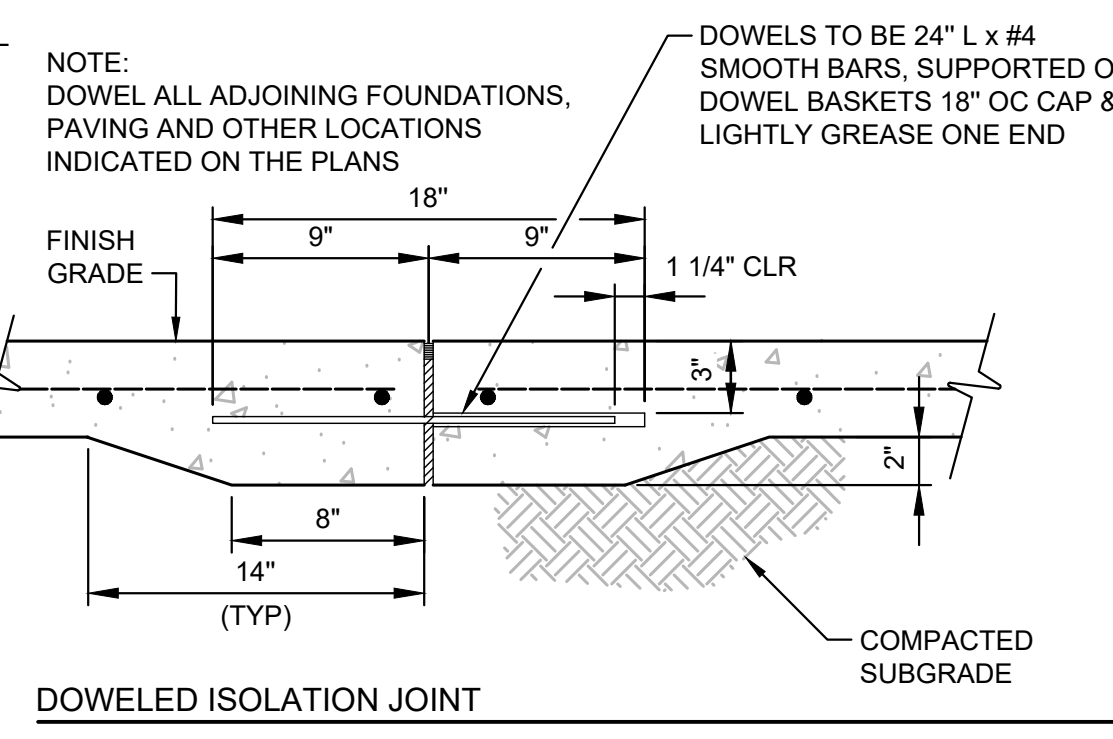
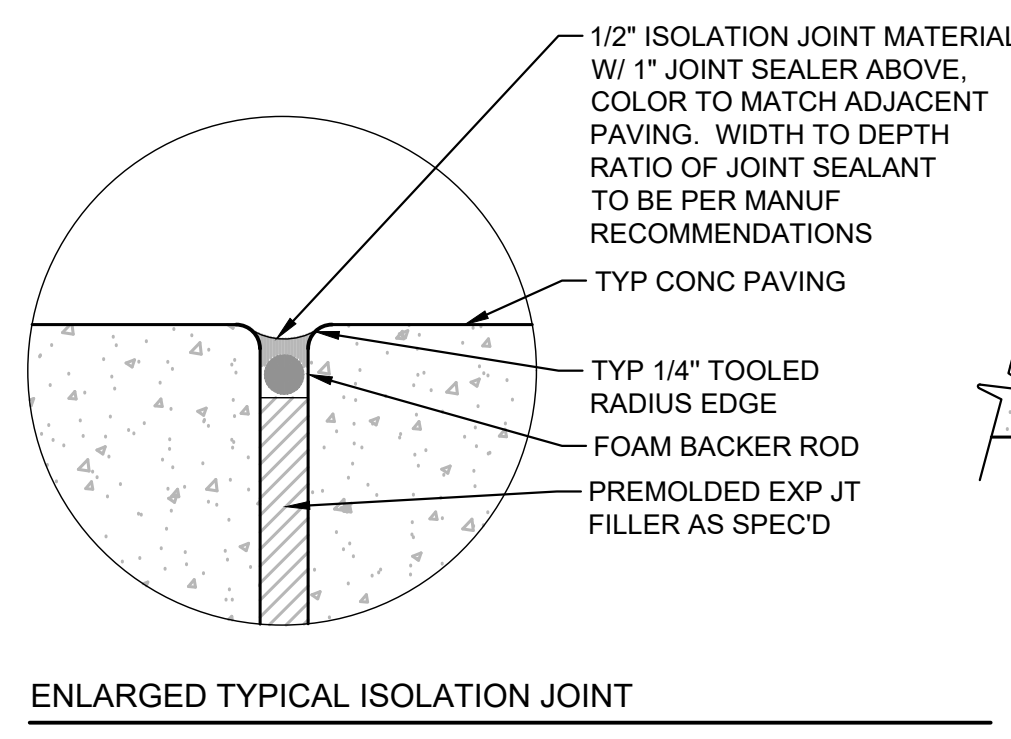
B2 DECOMPOSED GRANITE SURFACING WITH CONC. EDGE
 3" = 1'-0"
 L_DEC-GRN-SURF



B4 TRENCH DRAIN IN CONCRETE PAVING
 1"=1'-0"
 DRN_TRENCH_CONC

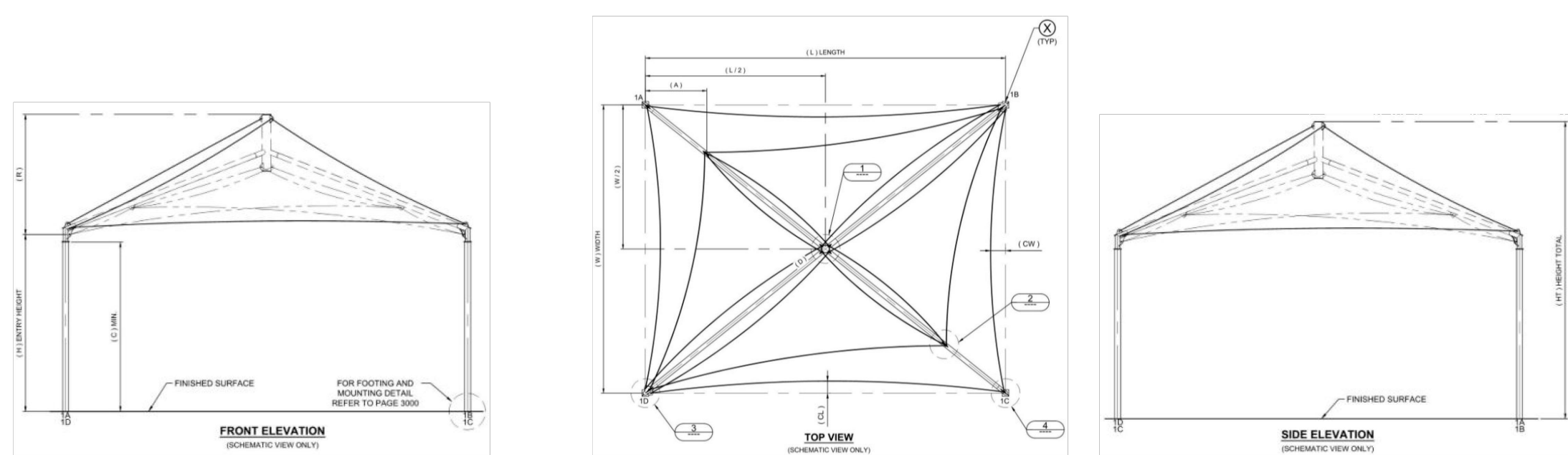


A1 TYPICAL CONCRETE PAVING JOINT DETAILS (PEDESTRIAN PAVING)
 1 1/2"=1'-0"



A:\2024\42997.24\03_DSGN\01_LAND\06_SHEETS\LD501_SITE DETAILS.DWG, 7/18/2025 5:42:00 PM, awillia@cbss

CUSTOMER NAME: TC Community Pool Renovation
PROJECT NAME: TC Community Pool Renovation
LOCATION: Trophy Club TX
CONFIGURATION #: Q-099720



GENERAL NOTES

DESIGN LOADS

BUILDING CODE: INTERNATIONAL BUILDING CODE 2018
LIVE LOADS: 5 PSF
SNOW LOAD: 5 PSF
WIND LOADS: 115 MPH*
3-Sec. Gust, RISK CATEGORY II & EXPOSURE C

ESTIMATED STEEL WEIGHT

Total Structure Weight	1116.38 lbs
Single Column Weight	115.6 lbs
Total Upper Frame Weight	854 lbs
Steel Sizes	4.500 GA 07 ROUND TUBING

TABLE OF DIMENSIONS

L	W	H	R	HT	D	A	EL	CL	CW
20' 0"	20' 0"	10' 0"	6' 11"	16' 11"	28' 3"	3' 6"	13' 7"	1' 3"	1' 3"

USASHADE CORPORATE HEADQUARTERS
2580 Esters Blvd, Ste 100
DFW Airport, TX 75261
800-966-5005

- NOT TO SCALE
- NOT FOR CONSTRUCTION OR PERMITS
- DUE TO REPRODUCTION, ACTUAL COLORS MAY DIFFER FROM REPRESENTATION

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CUSTOMER NAME: TC Community Pool Renovation
PROJECT NAME: TC Community Pool Renovation
LOCATION: Trophy Club TX
CONFIGURATION #: Q-099720

REINFORCED CONCRETE NOTES

- CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE SPECIFICATION FOR STRUCTURAL CONCRETE ACI 301 AND BUILDING CODE ACI 318. CONCRETE SPECIFICATIONS SHALL BE AS FOLLOWS:
 - 28 DAY STRENGTH: 2500 PSI
 - SLUMP: 3-5
 - PORTLAND CEMENT SHALL CONFORM TO C-150
 - AGGREGATE SHALL CONFORM TO ASTM C-33
- ALL REINFORCEMENT STEEL SHALL CONFORM TO ASTM A-615 GRADE 60, AND SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI SPECIFICATION FOR STRUCTURAL CONCRETE ACI 301, ACI DETAILING MANUAL AND CRSI MANUAL OF STANDARD PRACTICE.
- ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 55 (GALVANIZED).
- ALL NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 5000 PSI AND SHALL COMPLY THE REQUIREMENTS OF ASTM C109, ASTM C639, ASTM C1090, ASTM C1107, WHEN APPLICABLE.
- SOIL PARAMETERS FOR FOOTING ANALYSIS, TABLE 1806.2, CLASS: 5 - 1500(PSF)
- FOR SPREAD FOOTING, EDGE OF COLUMN OR ANCHOR BOLTS MUST BE SET AT LEAST 12" FROM THE EDGE OF SPREAD FOOTING EDGE.
- SPREAD FOOTING ALLOWED TO BE ROTATED AS REQUIRED.

NOT FOR CONSTRUCTION OR PERMITS

NOTE: ADDITIONAL INSTALLATION COSTS FOR SPREAD FOOTING

SPREAD FOOTING TYPE

DRILLED PIER FOOTING TYPE

TABLE FOR NON-CONSTRAINED DRILLED PIER FOOTING

DIAMETER (FT)	DEPTH (FT)	VERTICAL REBAR	TIES	MIN. COLUMN EMBEDMENT (EMBED) (IN)	MIN. ANCHOR EMBEDMENT (RECESS & SURFACE) (IN)
2.00	6.00	#6	Ø LOOP (FT) #3	1.50	33

TABLE FOR SPREAD FOOTING

LENGTH (FT)	THICKNESS (FT)	TOP AND BOTTOM REINFORCEMENT	MIN. COLUMN EMBEDMENT (EMBED) (IN)	MIN. ANCHOR EMBEDMENT (RECESS & SURFACE) (IN)
4.50	3.00	#6 @ 9.50 O.C.E.W.	33	19

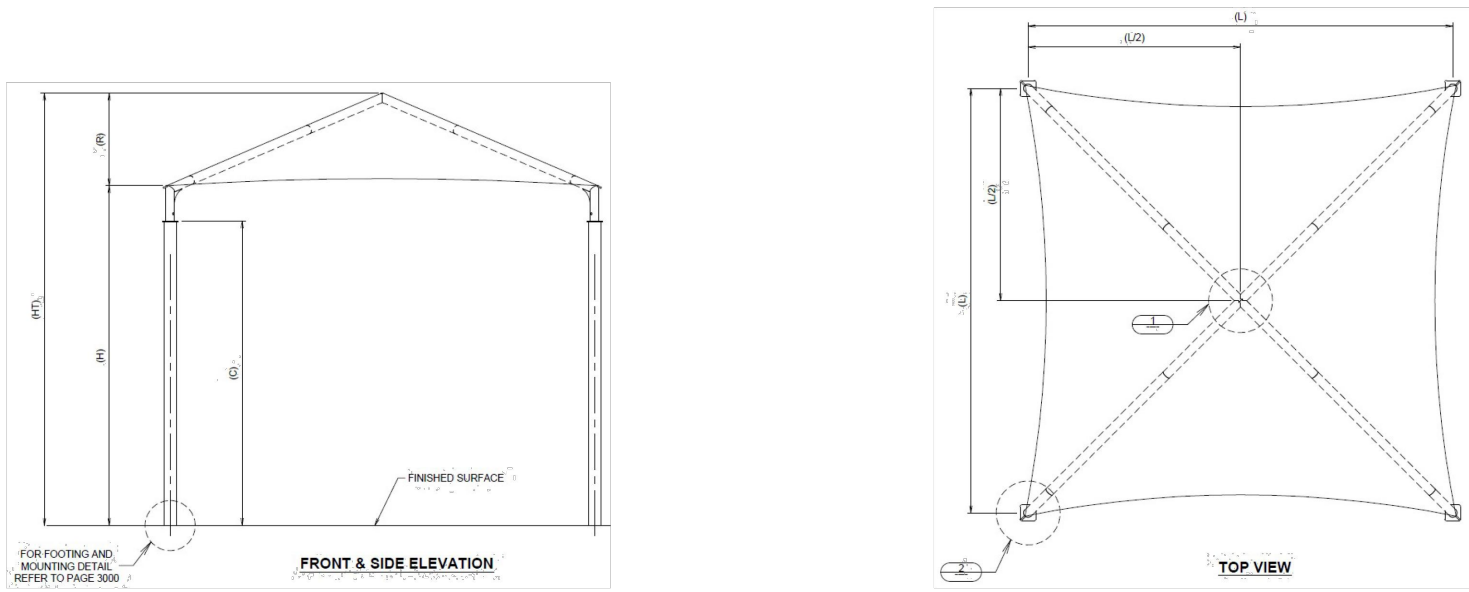
USASHADE CORPORATE HEADQUARTERS
2580 Esters Blvd, Ste 100
DFW Airport, TX 75261
800-966-5005

- NOT TO SCALE
- NOT FOR CONSTRUCTION OR PERMITS
- DUE TO REPRODUCTION, ACTUAL COLORS MAY DIFFER FROM REPRESENTATION

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C1 20'X20' MARINER PYRAMID
NOT TO SCALE

CUSTOMER NAME: TC Community Pool Renovation
PROJECT NAME: TC Community Pool Renovation
LOCATION: Trophy Club TX
CONFIGURATION #: Q-103078



GENERAL NOTES

DESIGN LOADS

BUILDING CODE: INTERNATIONAL BUILDING CODE 2018
LIVE LOADS: 6 PSF
SNOW LOAD: 5 PSF
WIND LOADS: 115 MPH*
3-Sec. Gust, RISK CATEGORY II & EXPOSURE C

ESTIMATED STEEL WEIGHT

Total Structure Weight	493 lbs
Single Column Weight	71.6 lbs
Total Upper Frame Weight	93.7 lbs
Steel Sizes	3.5 GA 08 Round Tubing

TABLE OF DIMENSIONS

L	W	H	R	HT	D	EL
12' 0"	12' 0"	2' 7"	12' 7"	17' 0"	7' 8"	

USASHADE CORPORATE HEADQUARTERS
2580 Esters Blvd, Ste 100
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800-966-5005

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- NOT FOR CONSTRUCTION OR PERMITS
- DUE TO REPRODUCTION, ACTUAL COLORS MAY DIFFER FROM REPRESENTATION

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A1 12'X12' PYRAMID
NOT TO SCALE

CUSTOMER NAME: TC Community Pool Renovation
PROJECT NAME: TC Community Pool Renovation
LOCATION: Trophy Club TX
CONFIGURATION #: Q-103078

REINFORCED CONCRETE NOTES

- CONCRETE WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE SPECIFICATION FOR STRUCTURAL CONCRETE ACI 301 AND BUILDING CODE ACI 318. CONCRETE SPECIFICATIONS SHALL BE AS FOLLOWS:
 - 28 DAY STRENGTH: 2500 PSI
 - SLUMP: 3-5
 - PORTLAND CEMENT SHALL CONFORM TO C-150
 - AGGREGATE SHALL CONFORM TO ASTM C-33
- ALL REINFORCEMENT STEEL SHALL CONFORM TO ASTM A-615 GRADE 60, AND SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI SPECIFICATION FOR STRUCTURAL CONCRETE ACI 301, ACI DETAILING MANUAL AND CRSI MANUAL OF STANDARD PRACTICE.
- ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 55 (GALVANIZED).
- ALL NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 5000 PSI AND SHALL COMPLY THE REQUIREMENTS OF ASTM C109, ASTM C639, ASTM C1090, ASTM C1107, WHEN APPLICABLE.
- SOIL PARAMETERS FOR FOOTING ANALYSIS, TABLE 1806.2, CLASS: 5 - 1500(PSF)
- FOR SPREAD FOOTING, EDGE OF COLUMN OR ANCHOR BOLTS MUST BE SET AT LEAST 12" FROM THE EDGE OF SPREAD FOOTING EDGE.
- SPREAD FOOTING ALLOWED TO BE ROTATED AS REQUIRED.

NOT FOR CONSTRUCTION OR PERMITS

NOTE: ADDITIONAL INSTALLATION COSTS FOR SPREAD FOOTING

SPREAD FOOTING TYPE

DRILLED PIER FOOTING TYPE

TABLE FOR NON-CONSTRAINED DRILLED PIER FOOTING

DIAMETER (FT)	DEPTH (FT)	VERTICAL REBAR	TIES	MIN. COLUMN EMBEDMENT (EMBED) (IN)	MIN. ANCHOR EMBEDMENT (RECESS & SURFACE) (IN)
1.5	4.0	#5	Ø 1.0	#3	33

TABLE FOR NON-CONSTRAINED SPREAD FOOTING

LENGTH (FT)	THICKNESS (FT)	TOP AND BOTTOM REINFORCEMENT	MIN. COLUMN EMBEDMENT (EMBED) (IN)	MIN. ANCHOR EMBEDMENT (RECESS & SURFACE) (IN)
3	3.00	#5 @ 10" O.C.E.W.	33	19

USASHADE CORPORATE HEADQUARTERS
2580 Esters Blvd, Ste 100
DFW Airport, TX 75261
800-966-5005

- NOT TO SCALE
- NOT FOR CONSTRUCTION OR PERMITS
- DUE TO REPRODUCTION, ACTUAL COLORS MAY DIFFER FROM REPRESENTATION

These plans and specifications are the property of USA Shade and Fabric Structures and shall not be reproduced without their written permission.

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	WIRE	DESIGN PSI	FRICTION LOSS	VALVE LOSS	PSI	PSI @ POC	PRECIP
1	RAIN BIRD XCZ-100-PRF	1"	AREA FOR DRIPLINE	1.47		30	0.02	5	35.0		3.17 in/h
2	HUNTER ICV-G	1-1/2"	TURF SPRAY	13.93		30	0.55	1.5	32.1		1.39 in/h
3	HUNTER ICV-G	1-1/2"	TURF SPRAY	27.36		30	1.51	1.5	33.0		1.44 in/h
4	RAIN BIRD XCZ-100-PRF	1"	AREA FOR DRIPLINE	10.67		30	0.68	11.7	42.3		2.28 in/h
5	HUNTER ICV-G	1-1/2"	TURF SPRAY	29.2		30	1.31	1.5	32.8		1.34 in/h
6	RAIN BIRD XCZ-100-PRF	1"	AREA FOR DRIPLINE	11.84		30	0.32	12.8	43.2		2.28 in/h
7	RAIN BIRD XCZ-100-PRF	1"	AREA FOR DRIPLINE	11.18		30	0.48	12.2	42.7		2.67 in/h

WATERING SCHEDULE

NUMBER	MODEL	TYPE	PRECIP	SUN	MON	TUE	WED	THU	FRI	SAT	IN./WEEK	MIN./WEEK	GAL./WEEK	GAL./DAY
1	RAIN BIRD XCZ-100-PRF	AREA FOR DRIPLINE	3.17 in/h		7 min						1	19	27.9	9.31
2	HUNTER ICV-G	TURF SPRAY	1.39 in/h											
3	HUNTER ICV-G	TURF SPRAY	1.44 in/h											
4	RAIN BIRD XCZ-100-PRF	AREA FOR DRIPLINE	2.28 in/h		9 min		9 min		9 min		1	27	288	96.0
5	HUNTER ICV-G	TURF SPRAY	1.34 in/h											
6	RAIN BIRD XCZ-100-PRF	AREA FOR DRIPLINE	2.28 in/h		9 min		9 min		9 min		1	27	320	107
7	RAIN BIRD XCZ-100-PRF	AREA FOR DRIPLINE	2.67 in/h		8 min		8 min		8 min		1	23	257	85.7
		TOTALS:			33		33		33			96	892.5	297.5

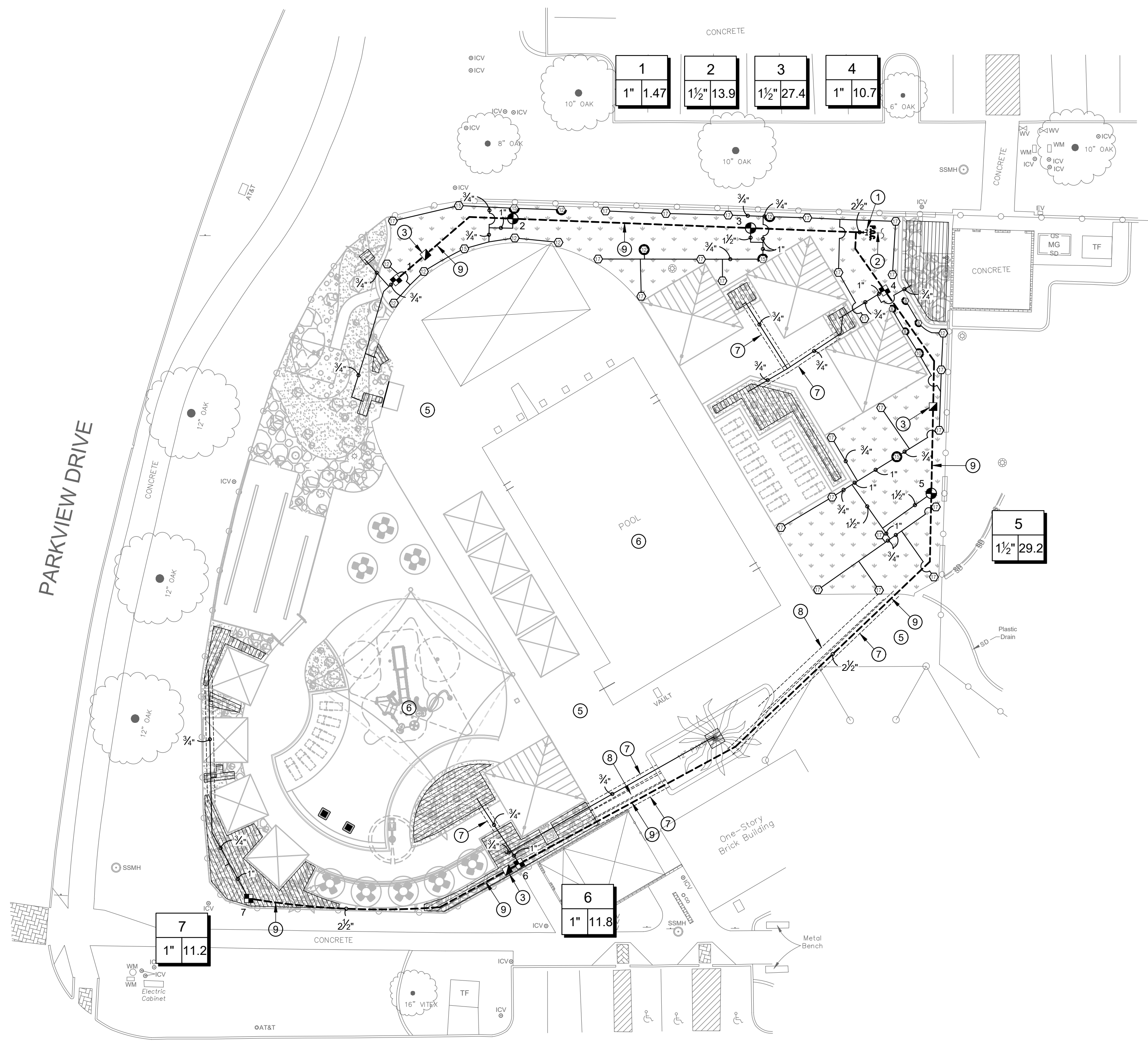
KEY NOTES

- AS INDICATED BY:
- POINT OF CONNECTION - EXISTING 2 1/2" IRRIGATION MAINLINE - VERIFY LOCATION, SIZE OF MAINLINE & PRESSURE AT POINT OF CONNECTION. IF EXISTING PRESSURE IS LOWER THAN 65 PSI, STOP WORK AND CONTACT LANDSCAPE ARCHITECT.
 - APPROXIMATE LOCATION OF EXISTING 2 1/2" IRRIGATION MAINLINE - VERIFY ON SITE.
 - QUICK COUPLER AS SCHEDULED
 - EXISTING IRRIGATION CONTROLLER - VERIFY THE EXISTING CONTROLLER HAS ADEQUATE NUMBER OF UNUSED STATIONS AVAILABLE FOR NEW STATIONS SHOWN ON PLANS. IF EXISTING CONTROLLER DOES NOT HAVE ADEQUATE NUMBER OF STATIONS AVAILABLE, INSTALL EXPANSION MODULE & ANY ADDITIONAL PARTS REQUIRED.
 - EXISTING POOL DECK
 - EXISTING POOL
 - IRRIGATION LINE SLEEVING - COORDINATE SLEEVE INSTALLATION WITH PAVING POURS. SLEEVES SHALL BE TWO TIMES THE COMBINED DIAMETER OF THE LATERAL AND MAINLINES TO BE SLEEVED. LATERAL LINES SHALL BE SLEEVED SEPARATELY FROM MAINLINE. SLEEVES SHALL BE A MINIMUM OF 18" BELOW FINISH GRADE IN PARKING / DRIVE AREAS. SLEEVES SHALL EXTEND 18" PAST HARDSCAPE AND CURB EDGES.
 - SLEEVE FOR CONTROL WIRE ONLY.
 - IRRIGATION MAINLINE AS SCHEDULED

SEE LI-001 FOR IRRIGATION GENERAL NOTES

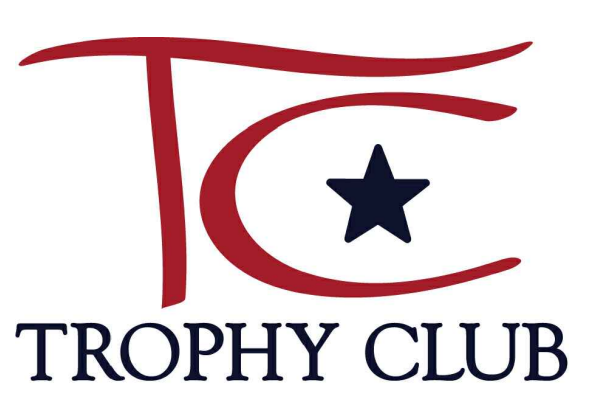
IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	ARC	PSI	GPM	RADIUS
⊙	HUNTER PROS-06-CV 08H TURF SPRAY, 6IN. POP-UP. WITH DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	180	30	0.47	8'
⊙	HUNTER PROS-06-CV 10H TURF SPRAY, 6IN. POP-UP. WITH DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	180	30	0.88	10'
⊙	HUNTER PROS-06-CV 12F TURF SPRAY, 6IN. POP-UP. WITH DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	360	30	2.7	12'
⊙	HUNTER PROS-06-CV 12H TURF SPRAY, 6IN. POP-UP. WITH DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	180	30	1.3	12'
⊙	HUNTER PROS-06-CV 15F TURF SPRAY, 6IN. POP-UP. WITH DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	360	30	3.75	15'
⊙	HUNTER PROS-06-CV 15H TURF SPRAY, 6IN. POP-UP. WITH DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	180	30	1.86	15'
⊙	HUNTER PROS-06-CV 12A TURF SPRAY, 6IN. POP-UP. WITH DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	ADJ	30	≤2.52	12'
⊙	HUNTER PROS-06-CV 15A TURF SPRAY, 6IN. POP-UP. WITH DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	ADJ	30	≤3.71	15'
⊙	HUNTER PROS-06-CV 17A TURF SPRAY, 6IN. POP-UP. WITH DRAIN CHECK VALVE. CO-MOLDED WIPER SEAL WITH UV RESISTANT MATERIAL.	ADJ	30	≤4.61	17'
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	PSI			
■	RAIN BIRD XCZ-100-PRF MEDIUM FLOW DRIP CONTROL KIT, 1IN. DV VALVE, 1IN. PRESSURE REGULATING FILTER, 40PSI PRESSURE REGULATOR. 3 GPM-15 GPM.				
▨	AREA TO RECEIVE DRIPLINE RAIN BIRD XFS-09-12 XFS SUB-SURFACE PRESSURE COMPENSATING DRIPLINE W/COPPER SHIELD TECHNOLOGY. 0.9 GPH EMITTERS AT 12" O.C. LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. UV RESISTANT. SPECIFY XF INSERT FITTINGS.	30			
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION				
⊕	HUNTER ICV-G 1IN., 1-1/2IN., 2IN., AND 3IN. PLASTIC ELECTRIC REMOTE CONTROL VALVES, GLOBE CONFIGURATION, WITH NPT THREADED INLET/OUTLET, FOR COMMERCIAL/MUNICIPAL USE.				
⬛	HUNTER HQ-44LRC-AW-R QUICK COUPLER VALVE, PURPLE RUBBER LOCKING COVER FOR RECLAIMED WATER USE. RED BRASS AND STAINLESS STEEL, WITH 1IN. NPT INLET, 2-PIECE BODY. ACME KEY WITH ANTI-ROTATION WINGS.				
⊙	POINT OF CONNECTION 2 1/2" EXISTING IRRIGATION MAINLINE AS SHOWN ON PLANS				
---	IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21				
---	IRRIGATION MAINLINE: PVC SCHEDULE 40				
---	PIPE SLEEVE: PVC CLASS 200 SDR 21 EXTEND 12" PAST ADJACENT HARD CONSTRUCTION, TYP				
⊕	Valve Callout				
⊕	Valve Number				
⊕	Valve GPM				
⊕	Valve Size				



Parkhill.com

Trophy Club Community Pool Renovation
 Trophy Club, TX



CLIENT
 Town of Trophy Club
 1 Trophy Wood Drive
 Trophy Club, TX 76262

PROJECT NO.
 42997.24

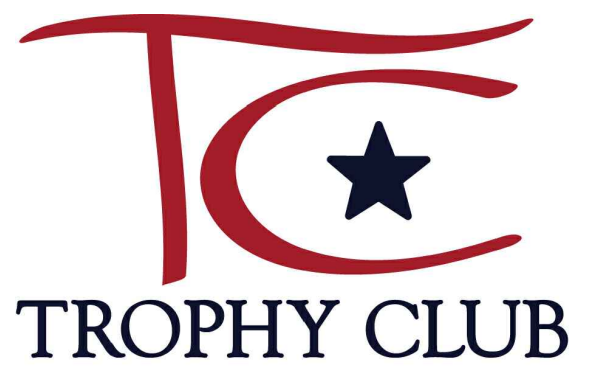
07/21/2025 Issue for Proposal
 # DATE DESCRIPTION

CONTROL POINT #1 "X" CUT FND.	CONTROL POINT #2 "X" CUT FND.	CONTROL POINT #3 CoM GPS Mon. #43
N - 7125005.56 E - 2549220.74 ELEV. - 564.79	N - 7124814.87 E - 2548561.04 ELEV. - 579.68	N - 7124848.88 E - 2547677.32 ELEV. - 586.46

EXISTING UTILITIES
 CONTRACTOR MUST VERIFY LOCATION OF ALL OVERHEAD AND UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH CITY OFFICIALS AND UTILITY COMPANIES IN LOCATING UTILITIES. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR LOSSES DUE TO DAMAGE TO UTILITIES. LOCATION FOR ALL UTILITIES SHOWN ON PLANS ARE APPROXIMATE. CONTRACTOR SHALL CALL TEXAS 811, 1-800-344-8377.

Irrigation Plan
LI100

A:\2024\42997.24\03_DSGN\01_DWG\060_LAND\06_SHEETS\LI100_IRRIGATION\PLAN.DWG, 7/19/2025 7:15:26 PM, avillalobos

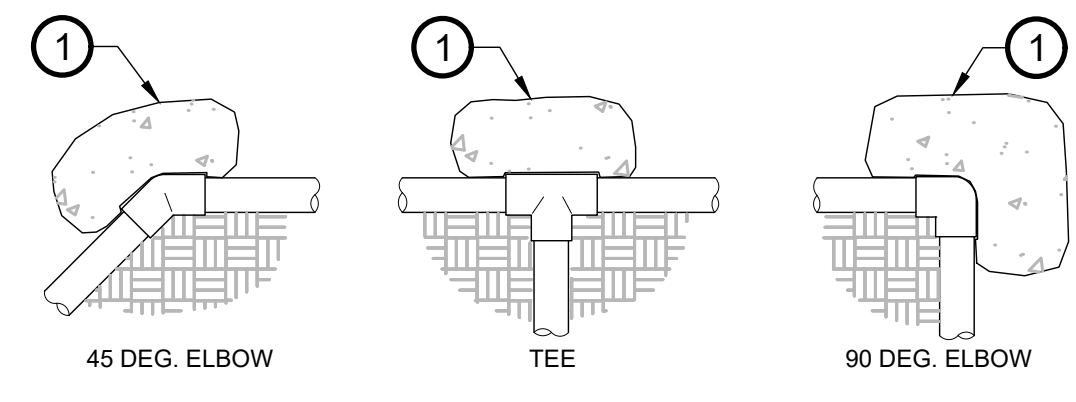


CLIENT
 Town of Trophy Club
 1 Trophy Wood Drive
 Trophy Club, TX 76262

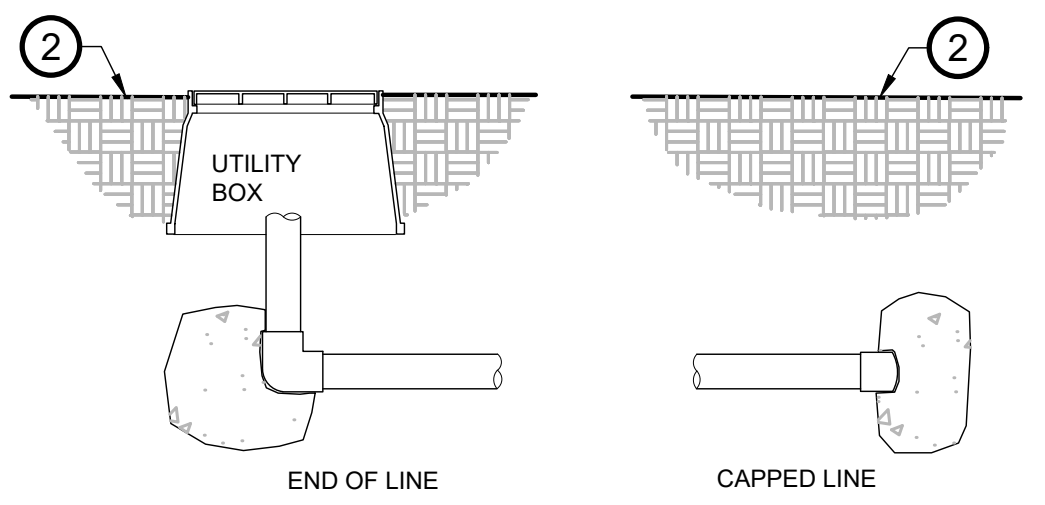
PROJECT NO. 42997.24

#	DATE	DESCRIPTION
-	07/21/2025	Issue for Proposal

Irrigation Details
LI500



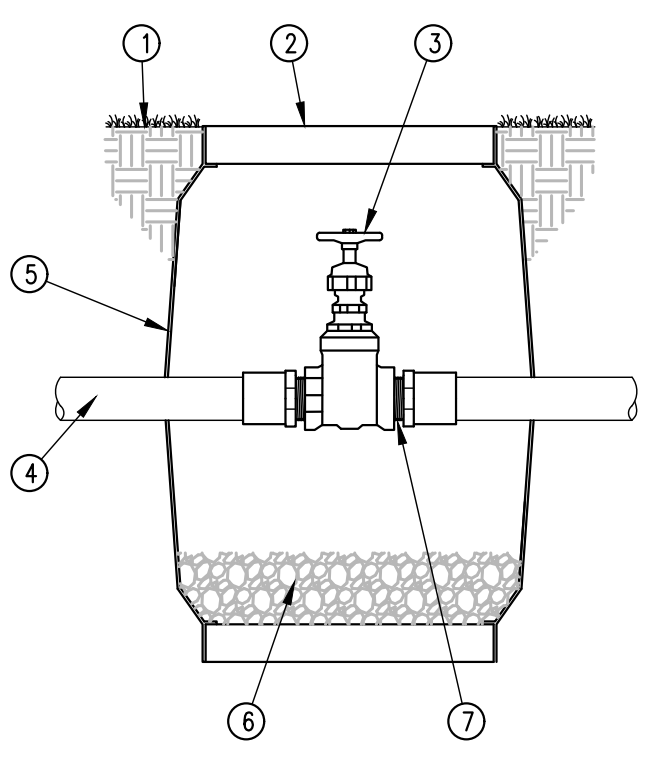
PLAN VIEWS



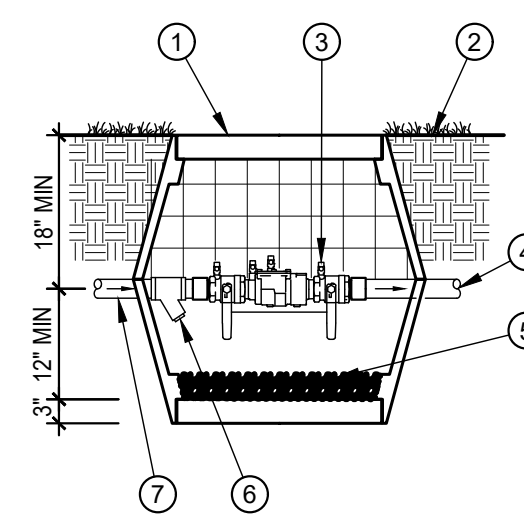
SECTION VIEWS

- 1 POURED IN-PLACE CONCRETE, 120 LBS. MINIMUM, TYPICAL
- 2 FINISHED GRADE

C1 THRUST BLOCKING
3/4" = 1'-0" FX-IR-FX-AUXEQ-11



- 1 FINISH GRADE
- 2 (2) COMMERCIAL GRADE RECTANGULAR VALVE BOXES WITH COVER
- 3 GATE VALVE
- 4 MAINLINE PIPE
- 5 VALVE BOX EXTENSIONS AS NEEDED TO EXTEND TO MAINLINE DEPTH
- 6 4" DEPTH WASHED GRAVEL
- 7 THREADED MALE ADAPTER W/ TEFLON TAPE

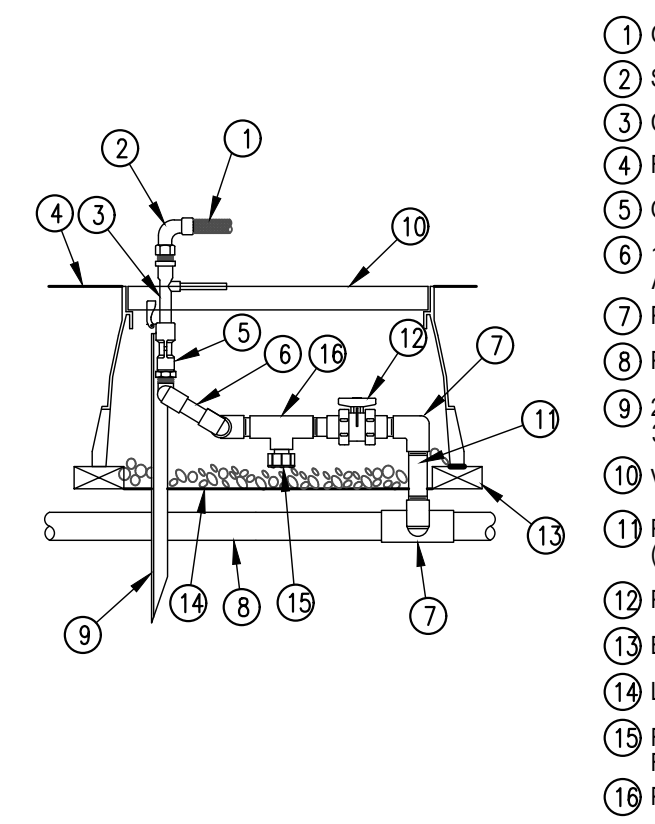


- 1 (2) JUMBO COMMERCIAL RECTANGULAR VALVE BOX AND COVER WITH EXTENSIONS AS NECESSARY TO EXTEND A MINIMUM OF 12" BEYOND MAINLINE DEPTH
- 2 FINISH GRADE
- 3 DOUBLE CHECK VALVE ASSEMBLY
- 4 MAINLINE PIPE
- 5 3/4-INCH WASHED GRAVEL, MINIMUM 3-INCH DEPTH
- 6 WYE STRAINER
- 7 MAIN SUPPLY LINE

NOTE: ATTACHED VALVE BOXES TOGETHER USING SCREWS AND DRILL HOLES IN BOTTOM LID TO ALLOW FOR DRAINAGE

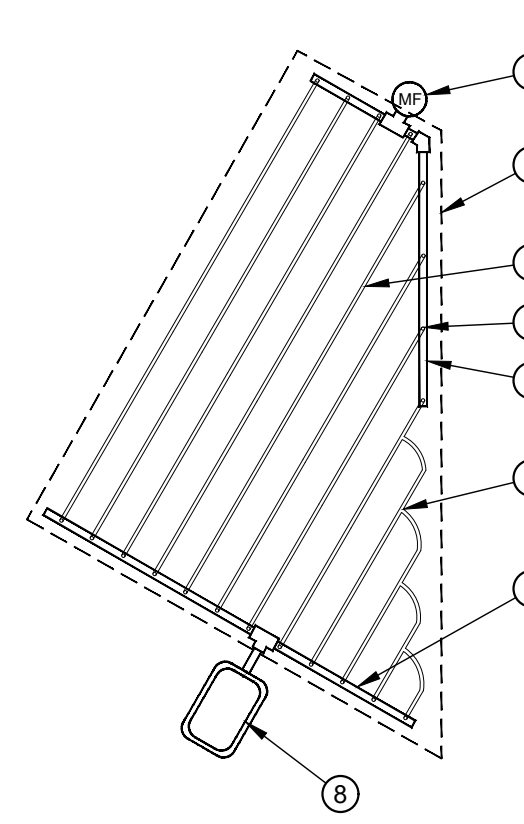
B1 SHUT OFF VALVE
1 1/2" = 1'-0"

B2 DOUBLE CHECK ASSEMBLY
1/2" = 1'-0"



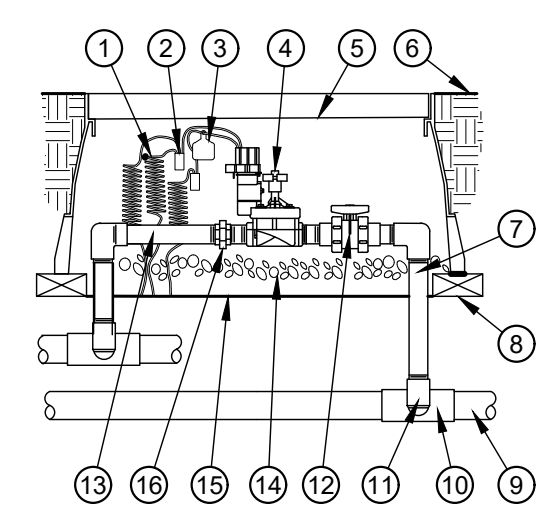
- 1 GARDEN HOSE
- 2 SWIVEL HOSE ELL
- 3 COUPLER
- 4 FINISHED GRADE
- 5 QUICK COUPLING VALVE
- 6 1-1/2" SWING JOINT ASSEMBLY AS PER SPECIFICATIONS
- 7 PVC SCH 40 TEE OR ELL
- 8 PVC MAINLINE PIPE
- 9 2"x2"x1/4" STL. ANGLE, EXTEND 36" INTO GROUND
- 10 VALVE BOX WITH COVER
- 11 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 12 PVC SCH 80 TRUE UNION BALL VALVE
- 13 BRICK (1 OF 4)
- 14 LANDSCAPE FABRIC
- 15 FILTERED DRAIN VALVE RAIN BIRD 18A-FDV
- 16 PVC SCH 40 TEE

A1 QUICK COUPLER VALVE
NTS



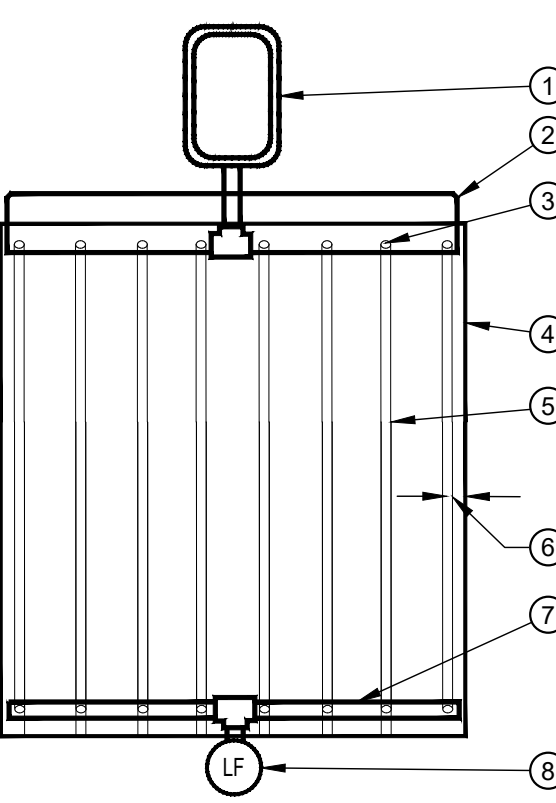
- 1 MANUAL FLUSH VALVE PLUMBED TO PVC
- 2 AREA PERIMETER
- 3 DRIPPERLINE
- 4 LATERAL START CONNECTION MALE ADAPTER
- 5 EXHAUST HEADER
- 6 LATERAL TEE
- 7 SUPPLY HEADER
- 8 REMOTE CONTROL VALVE WITH FILTER

A2 IRREGULAR DRIP AREA
1/8" = 1'-0"



- 1 30-INCH LINEAR LENGTH OF WIRE, COILED
- 2 3M DBY WATER PROOF CONNECTION (1 OF 2)
- 3 ID TAG
- 4 REMOTE CONTROL VALVE
- 5 12" RECTANGULAR VALVE BOX WITH COVER
- 6 FINISH GRADE
- 7 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 8 BRICK (1 OF 4)
- 9 PVC MAINLINE PIPE
- 10 PVC SCH 40 TEE OR ELL
- 11 SCH 80 NIPPLE (2-INCH LENGTH, HIDDEN) AND SCH 40 ELL
- 12 PVC SCH 80 TRUE UNION BALL VALVE
- 13 PVC LATERAL PIPE
- 14 3.0-INCH MINIMUM DEPTH OF 3/4 INCH WASHED GRAVEL
- 15 LANDSCAPE FABRIC
- 16 PVC SCH 80 TRUE UNION

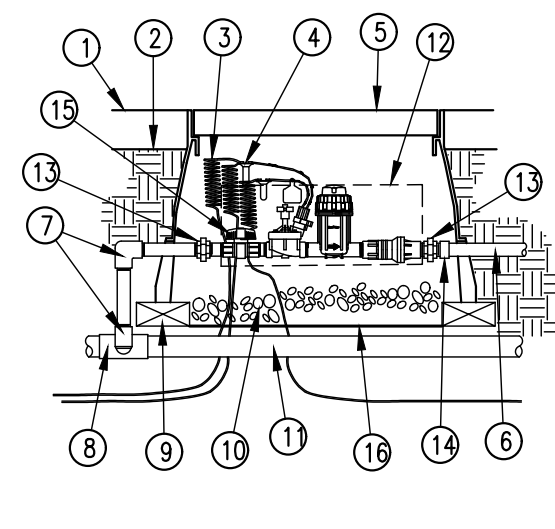
B3 VALVE DETAIL
1/2" = 1'-0"



- 1 REMOTE CONTROL VALVE
- 2 PVC OR POLY SUPPLY HEADER
- 3 TECHLINE START CONNECTION MALE ADAPTER
- 4 IRRIGATED AREA PERIMETER
- 5 TECHLINE TUBING LATERAL
- 6 PERIMETER LATERALS 4" OR 6" FROM IRRIGATED AREA EDGE
- 7 PVC OR POLY EXHAUST HEADER
- 8 FLUSH CAP, INSTALL PER MANUFACTURER'S INSTRUCTIONS IN VALVE BOX

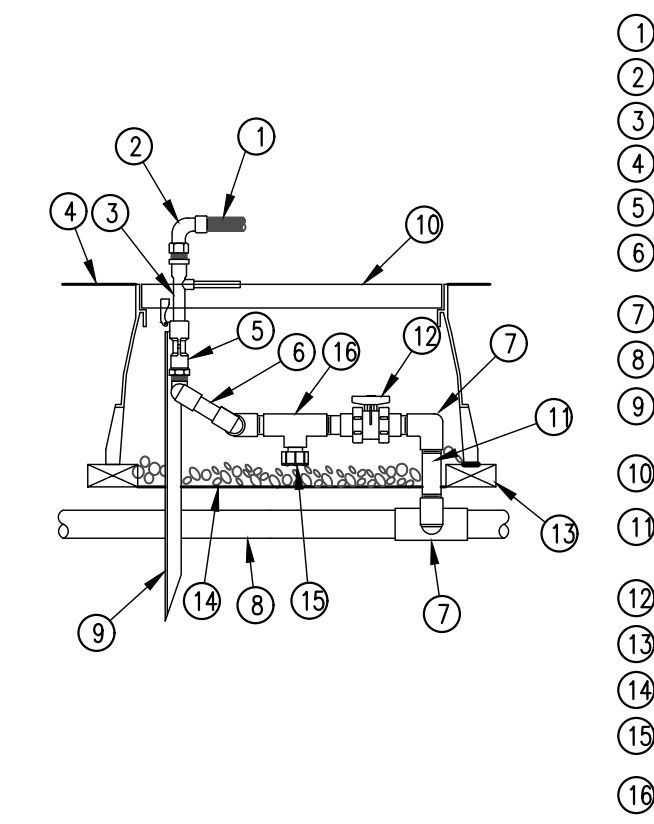
NOTE: 1. INSTALL ACCORDING TO MANUFACTURER'S SPECIFICATIONS

A3 DRIP DETAIL
1/2" = 1'-0"



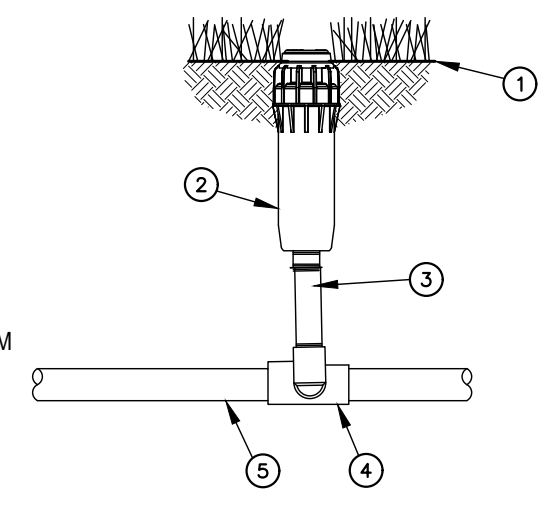
- 1 TOP OF MULCH
- 2 FINISH GRADE
- 3 30" LENGTH COILED WIRE TYP.
- 4 WATERPROOF CONNECTION
- 5 VALVE BOX W/ COVER
- 6 LATERAL PIPE
- 7 PVC SCH 40 ELL
- 8 PVC SCH 40 TEE
- 9 BRICK (1 OF 4)
- 10 3" MIN DEPTH 3/4" WASHED GRAVEL MAINLINE PIPE
- 11 RAIN BIRD MODEL XCZ-100-B-COM
- 12 PVC SCH 80 UNION
- 13 PVC SCH 40 MALE ADAPTER
- 14 BALL VALVE
- 15 WEED CONTROL FABRIC

B4 DRIP CONTROL VALVE
1/2" = 1'-0"



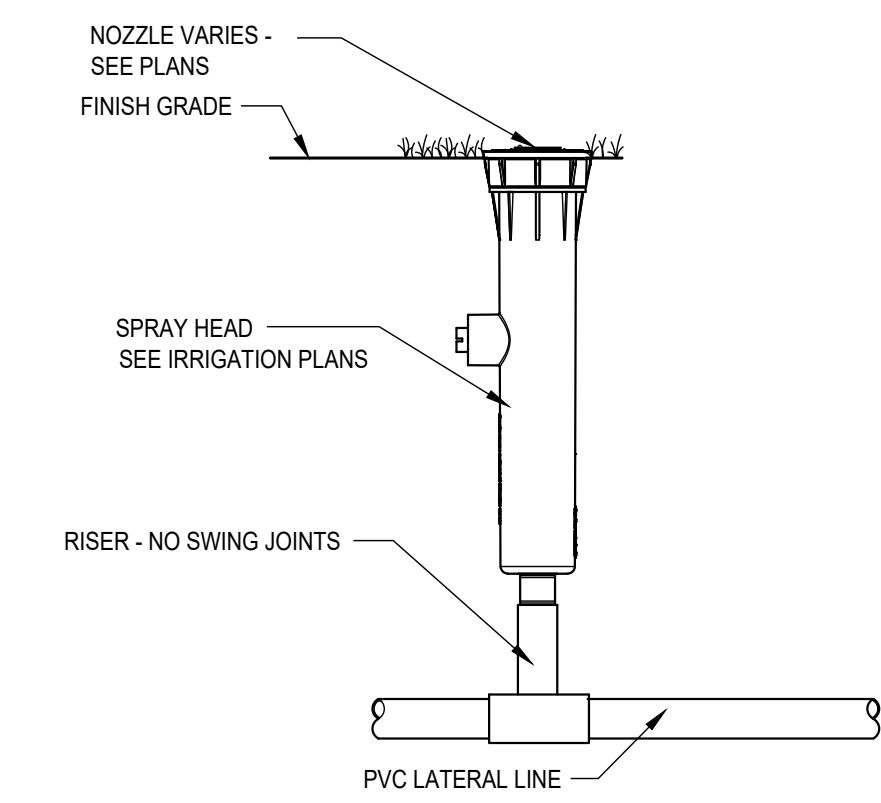
- 1 GARDEN HOSE
- 2 SWIVEL HOSE ELL
- 3 COUPLER
- 4 FINISHED GRADE
- 5 QUICK COUPLING VALVE
- 6 1-1/2" SWING JOINT ASSEMBLY AS PER SPECIFICATIONS
- 7 PVC SCH 40 TEE OR ELL
- 8 PVC MAINLINE PIPE
- 9 2"x2"x1/4" STL. ANGLE, EXTEND 36" INTO GROUND
- 10 VALVE BOX WITH COVER
- 11 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED)
- 12 PVC SCH 80 TRUE UNION BALL VALVE
- 13 BRICK (1 OF 4)
- 14 LANDSCAPE FABRIC
- 15 FILTERED DRAIN VALVE RAIN BIRD 18A-FDV
- 16 PVC SCH 40 TEE

A4 QUICK COUPLER
1/2" = 1'-0"



- 1 FINISH GRADE
- 2 ROTOR POP-UP SPRINKLER
- 3 RISER-NO SWING JOINTS ALLOWED
- 4 PVC SCH 40 TEE OR ELL
- 5 LATERAL PIPE

B5 ROTOR HEAD
1/2" = 1'-0"



A5 POP-UP SPRAY / BUBBLER HEAD
3" = 1'-0"

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Trophy Club Community Pool Renovation

Trophy Club, TX



World Leaders in Aquatic Planning, Design and Engineering
 100 Park Avenue | Beaver Dam, WI 53916
 1.920.887.7375 | #24327

CLIENT
TOWN OF TROPHY CLUB
 1 TROPHY WOOD DRIVE TROPHY CLUB, TX 76262

PROJECT NO.
24327

#	DATE	DESCRIPTION
-	07/21/2025	Issue for Proposal

DEMOLITION PLAN

D-100

SCHEDULE - SHEET LIST	
SHEET NO.	SHEET NAME
D100	DEMOLITION PLAN
D101	DEMOLITION DETAILS
PL100	OVERALL AQUATIC PLAN
PL101	GENERAL DETAILS AND SCHEDULES
PL110	POOL A - LEISURE POOL PLAN
PL111	POOL A - LEISURE POOL DIMENSION PLAN
PL112	POOL A - LEISURE POOL SECTIONS
PL113	POOL A - LEISURE POOL DETAILS
PL114	POOL A - LEISURE POOL DETAILS
PL120	POOL B - SLIDE COMPLEX
PL121	POOL B - SLIDE COMPLEX DETAILS
PL200	STRUCTURAL NOTES, PLAN(S) AND SCHEDULE
PL201	STRUCTURAL PLAN(S) AND SECTIONS
PL202	STRUCTURAL PLAN(S) AND SECTIONS
PL210	STRUCTURAL DETAILS
PL211	STRUCTURAL DETAILS
PL212	STRUCTURAL DETAILS
PL300	EXISTING PIPING PLAN
PL301	GENERAL NOTES
PL302	GENERAL DETAILS
PL310	POOL A PIPING PLAN
PL320	POOL B PIPING PLAN
PL400	MECHANICAL DETAILS
PL401	MECHANICAL DETAILS
PL510	POOL A MECHANICAL SCHEMATIC (UV REPLACEMENT)
PL520	EXISTING LAP POOL MECHANICAL SCHEMATIC (UV REPLACEMENT)
PL521	SYSTEM B MECHANICAL/ELECTRICAL SCHEMATIC

GENERAL DEMOLITION NOTES:

- ALL CONDITIONS SHOWN ON THIS DRAWING ARE EXISTING. OWNER AND ARCHITECT ASSUME NO RESPONSIBILITY FOR ACCURACY OR COMPLETENESS OF INFORMATION SHOWN. ORIGINAL CONSTRUCTION DOCUMENTS FOR EXISTING FACILITY ARE ON FILE AT THE OWNER'S OFFICE FOR REVIEW. CONTRACTORS ARE RESPONSIBLE TO VISIT THE SITE AND REVIEW ALL DOCUMENTS PRIOR TO SUBMITTING THEIR BID TO COMPLETELY FAMILIARIZE THEMSELVES WITH ALL CONDITIONS.
- DEMOLITION DRAWINGS ARE INTENDED TO BE SCHEMATIC IN NATURE, AND MAY NOT DESCRIBE ALL MISCELLANEOUS WORK NECESSARY TO COMPLETE THE DEMOLITION AND NEW WORK. CONTRACTOR SHALL INCLUDE THIS MISCELLANEOUS NECESSARY WORK IN BASE BID.
- CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING POOL EQUIPMENT WITHIN THE LIMITS INDICATED WITH HATCHING (XXXX). SEE DRAWING NOTES FOR EQUIPMENT THAT SHALL BE REUSED IN PLACE AND EQUIPMENT THAT SHALL BE RELOCATED AND REUSED.
- CONTRACTOR TO VERIFY ASBESTOS TEST REQUIREMENTS AND CONDUCT ANY REQUIRED TESTING PRIOR TO CONSTRUCTION.
- UNLESS NOTED OTHERWISE ON THE PLAN, CONTRACTOR SHALL DISPOSE OF ALL REMOVED EQUIPMENT AND MATERIALS IN A LEGAL MANNER OFF SITE. COPIES OF ALL MANIFESTS SHALL BE GIVEN TO THE OWNER SHOWING FINAL DISPOSAL LOCATION OF ALL MATERIALS.
- CONTRACTOR SHALL MAINTAIN DUST CONTROL INSIDE AND OUTSIDE OF THE BUILDING AT ALL TIMES.
- CONTRACTOR SHALL PROTECT ALL CATCH BASINS, SEWER INLETS, ETC., FROM DEBRIS AND SEDIMENTATION DURING DEMOLITION.
- CONTRACTOR SHALL LIMIT DISRUPTION TO THE INDICATED WORK AREA, AND TAKE CARE TO PROTECT, AND NOT DISRUPT, THE SURROUNDING AREA.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND TERMINATING EXISTING ELECTRICAL POWER, WATER, AND GAS LINES WITH LOCAL UTILITIES.
- REFER TO STRUCTURAL SD SERIES DRAWINGS, MECHANICAL MD SERIES DRAWINGS, ELECTRICAL ED SERIES DRAWINGS, AND PLUMBING PD SERIES DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE OF WORK.
- REFER TO ALL OTHER DRAWINGS FOR FURTHER DETAIL ON NEW CONSTRUCTION REQUIREMENTS.
- UNLESS OTHERWISE NOTED IN KEY NOTES, EXISTING MECHANICAL EQUIPMENT IS TO REMAIN. PROJECT SCOPE DOES NOT INCLUDE MODIFICATION OF THE EXISTING BALANCE TANK OR HYDRAULIC BALANCE FOR THE ACTIVITY POOL OR THE COMPETITION POOL.

DEFINITIONS:

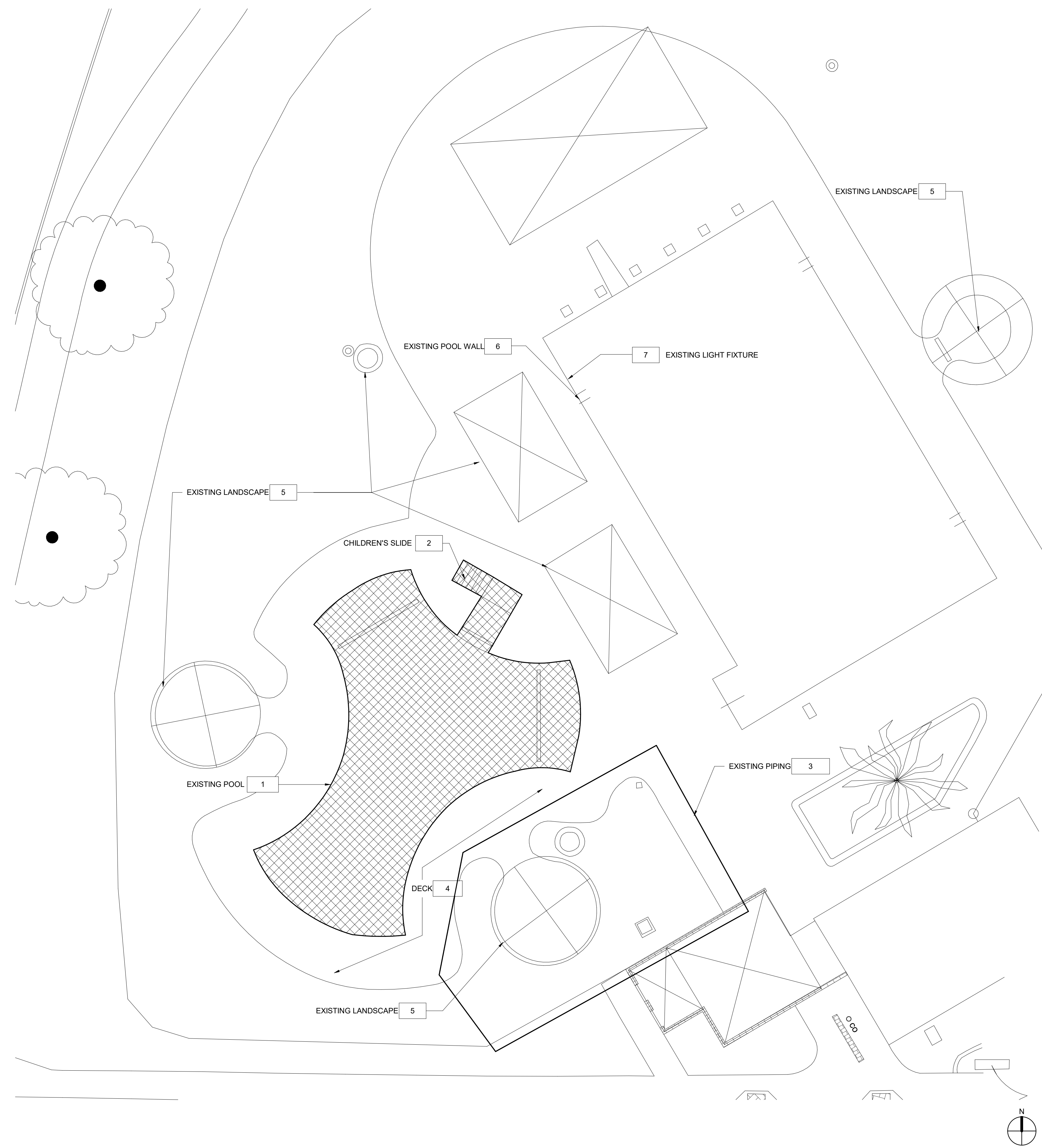
- REMOVE:** REMOVE AND LEGALLY DISPOSE OF ITEMS EXCEPT THOSE INDICATED TO BE REINSTALLED, SALVAGED, OR TO REMAIN THE OWNER'S PROPERTY.
- REMOVE AND SALVAGE:** ITEMS INDICATED TO BE REMOVED AND SALVAGED REMAIN THE OWNER'S PROPERTY. REMOVE, CLEAN, AND PACK OR CRATE ITEMS TO PROTECT AGAINST DAMAGE. IDENTIFY CONTENTS OF CONTAINERS AND DELIVER TO OWNER'S DESIGNATED STORAGE AREA.
- REMOVE AND REINSTALL:** REMOVE ITEMS INDICATED; CLEAN, SERVICE, AND OTHERWISE PREPARE THEM FOR REUSE; STORE AND PROTECT AGAINST DAMAGE. REINSTALL ITEMS IN THE SAME LOCATIONS OR IN LOCATIONS INDICATED.
- EXISTING TO REMAIN:** PROTECT CONSTRUCTION INDICATED TO REMAIN AGAINST DAMAGE AND SOILING DURING SELECTIVE DEMOLITION. WHEN PERMITTED BY THE OWNER OR ARCHITECT, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION DURING SELECTIVE DEMOLITION AND THEN CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS.
- ABANDON:** PERMANENTLY REMOVE FROM SERVICE AND MAINTAIN IN PLACE. FOR PIPING, ABANDONED PIPES SHALL BE BLOWN OUT, DISCONNECTED FROM OTHER PIPING AND DISCONNECTED FROM THE POOL WALL/TANK WALL. PIPING ENDS SHALL BE CAPPED ON BOTH ENDS. FOR PIPE PENETRATING FINISHED SURFACES, CUT BACK PIPE SUCH THAT CAPS ARE A MINIMUM OF 3" BELOW FINISHED SURFACE. COVER WITH NON-SHRINK, NON-METALLIC GROUT AND SPECIFIED FINISHES. ABANDONED PIPING SHALL BE IDENTIFIED IN RECORD DRAWINGS PROVIDED BY THE CONTRACTOR.

ACTIVITY POOL DEMOLITION NOTES

- 1 REMOVE ACTIVITY POOL SHELL, GUTTER GRATING, AND ALL POOL FEATURES
- 2 REMOVE CHILDREN'S SLIDE AND PLATFORM
- 3 EXISTING BELOW GRADE PIPING BETWEEN POOL MECHANICAL ENCLOSURE AND EXISTING POOL TO REMAIN. ABANDON EXISTING PIPING NOT IDENTIFIED FOR REUSE SEE PL300 FOR PIPE PLAN
- 4 REMOVE DECK AS REQUIRED TO FACILITATE CONNECTION OF NEW PIPING TO EXISTING PIPING
- 5 SEE LANDSCAPE DRAWINGS FOR ADDITIONAL DECK, SHADE STRUCTURE, AND LANDSCAPING DEMOLITION
- 6 SELECTIVELY REMOVE WALL AS REQUIRED FOR SLIDE SUMPS. SEE DETAIL D101
- 7 REMOVE UNDERWATER LIGHT FIXTURE AND NICHE, TYP 1

MECHANICAL DEMOLITION NOTES

- 8 REMOVE EXISTING UV FROM BOTH POOL MECHANICAL SYSTEMS.



1 OVERALL DEMOLITION LAYOUT
 PLAN VIEW
 D100
 1" = 10'-0"

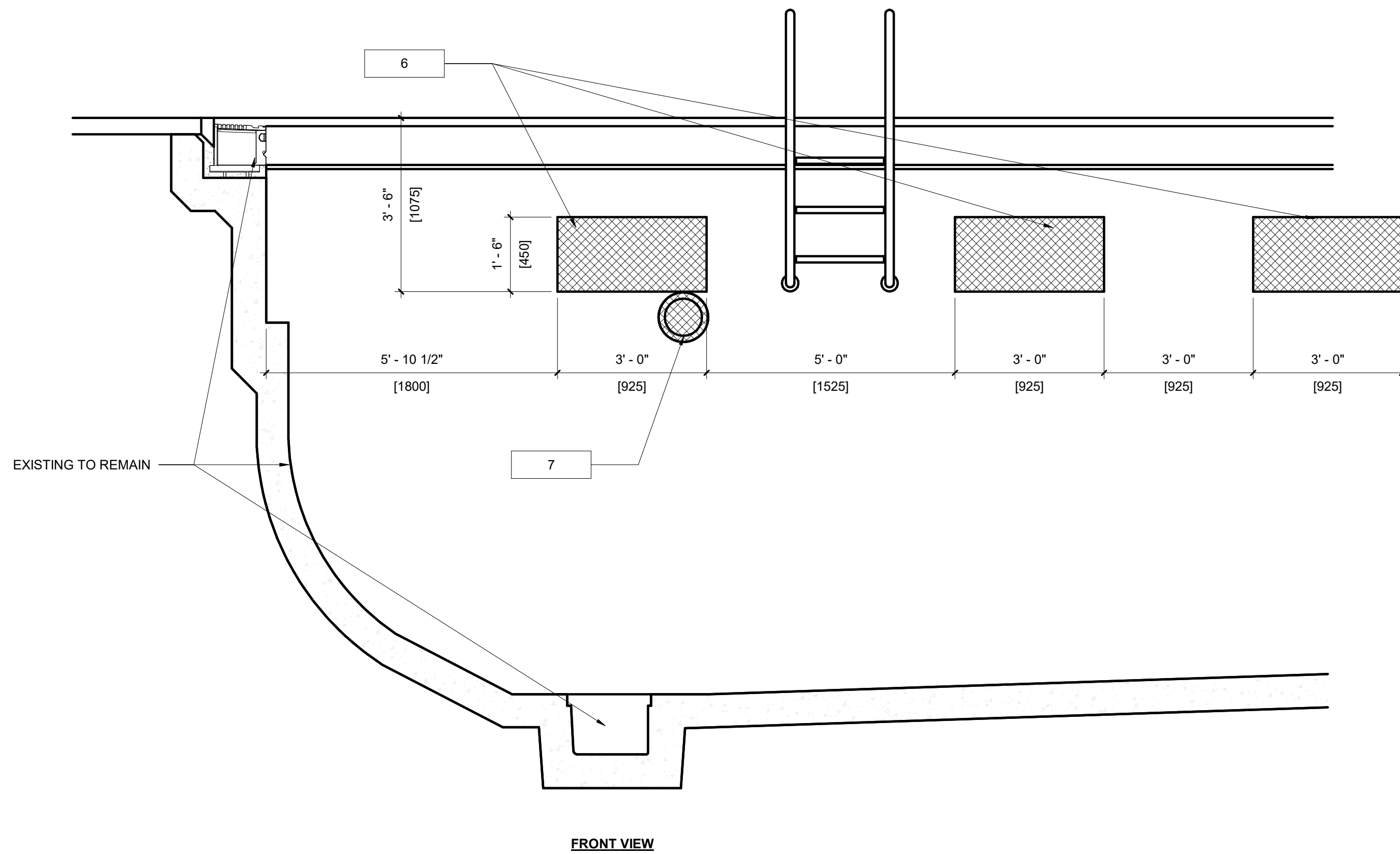
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ACTIVITY POOL DEMOLITION NOTES

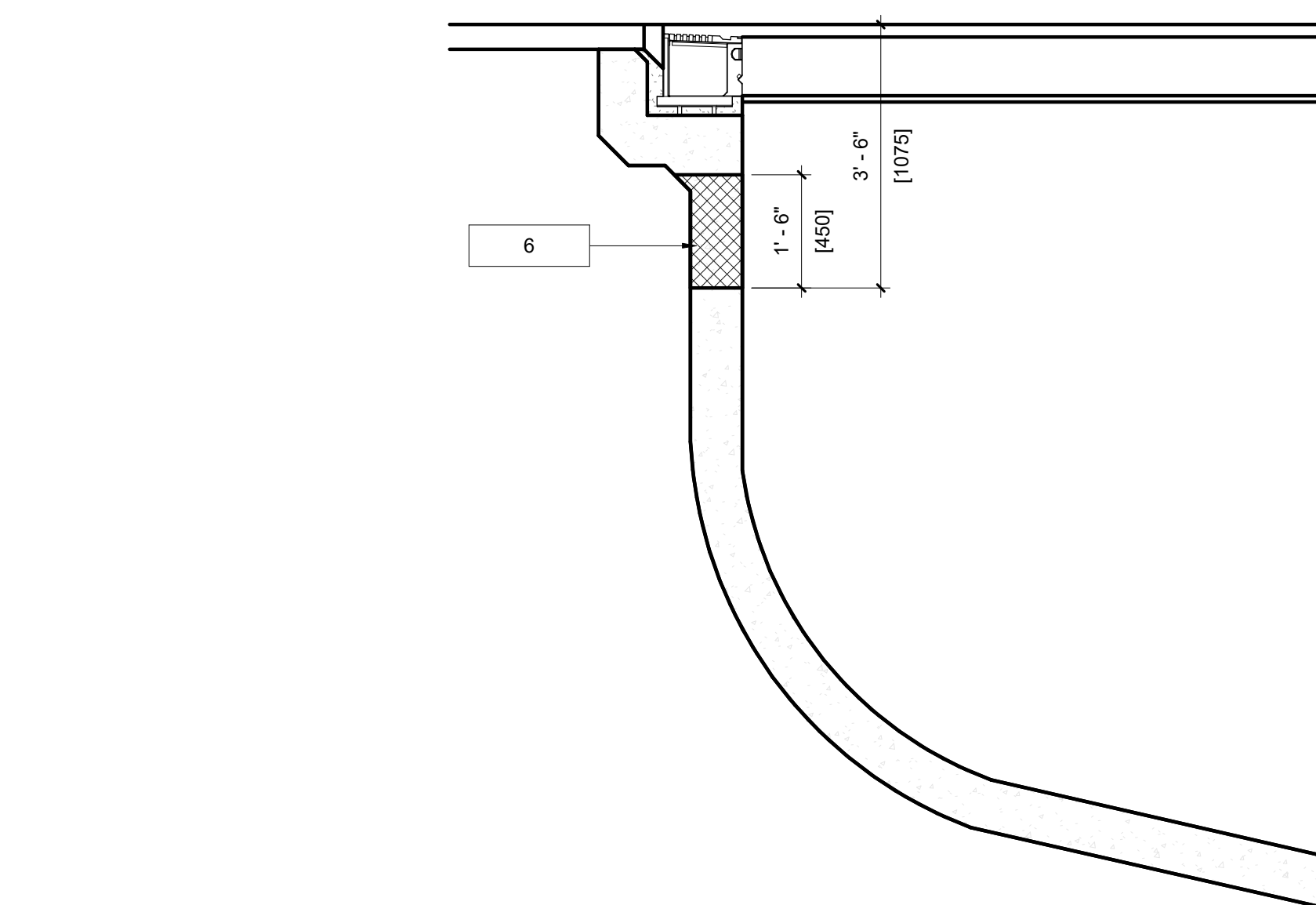
- 1 REMOVE ACTIVITY POOL SHELL, GUTTER GRATING, AND ALL POOL FEATURES
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MECHANICAL DEMOLITION NOTES

- 8 REMOVE EXISTING UV FROM BOTH POOL MECHANICAL SYSTEMS.



FRONT VIEW



SIDE VIEW

6 | EXISTING COMPETITION POOL WALL
D101
DETAIL VIEW
NOT TO SCALE



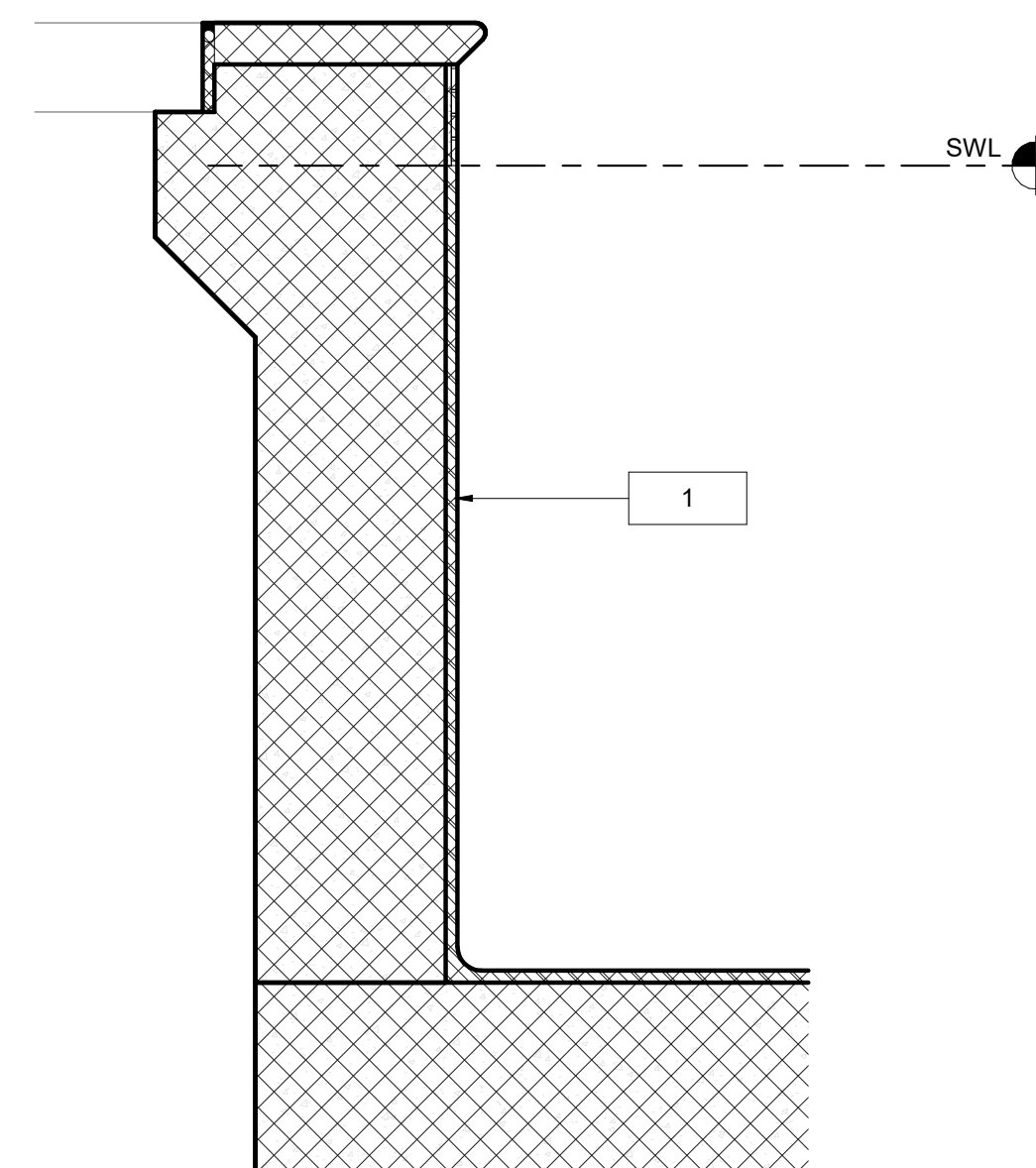
4 | ACTIVITY POOL AND FEATURES
D101
DETAIL VIEW
NOT TO SCALE



1 | ACTIVITY POOL AND FEATURES
D101
DETAIL VIEW
NOT TO SCALE



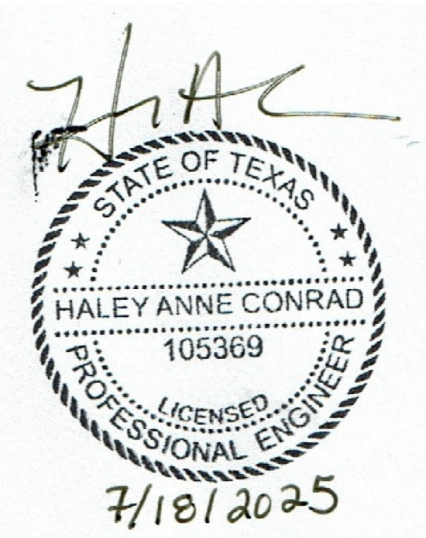
2 | CHILDREN'S SLIDE AND PLATFORM
D101
DETAIL VIEW
NOT TO SCALE



5 | EXISTING ACTIVITY POOL WALL
D101
DETAIL VIEW
1/2" = 1'-0"



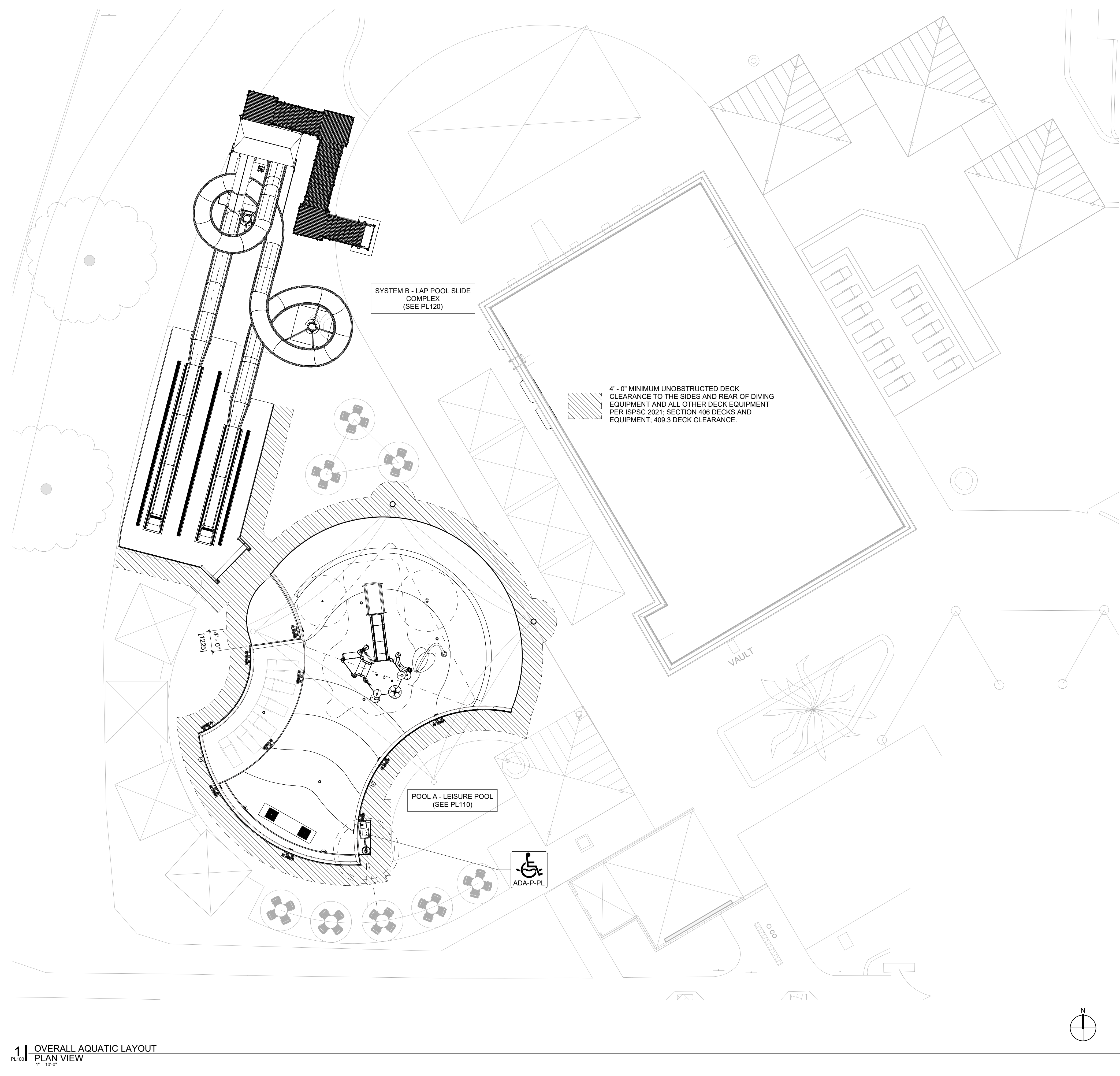
3 | ACTIVITY POOL AND FEATURES
D101
DETAIL VIEW
NOT TO SCALE



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CLIENT
TOWN OF TROPHY CLUB
1 TROPHY WOOD DRIVE TROPHY CLUB, TX 76262
PROJECT NO.
24327

- 07/21/2025 Issue for Proposal
DATE DESCRIPTION



GENERAL NOTES:

1. LOCATE LIFEGUARD CHAIRS AS REQUIRED PER STATE AND LOCAL CODES AND PER OWNER'S SAFETY CONSULTANT.
2. SCHEDULE QUANTITIES ARE SHOWN FOR VALUE ENGINEERING PURPOSES. IT IS THE INSTALLING CONTRACTORS RESPONSIBILITY TO VERIFY QUANTITIES REQUIRED.
3. CONTRACTOR SHALL CONTACT ENGINEER FOR ELECTRONIC DRAWING FILES PRIOR TO COMMENCING POOL STAKING WORK.
4. ENGINEER WILL PROVIDE ELECTRONIC PLAN VIEW OF ALL POOLS IN AUTOCAD DRAWING FORMAT FOR CONTRACTOR'S USE TO LOCATE STRUCTURES AND RELATED POOL DECK EQUIPMENT.
5. REFER TO PL100 SERIES DRAWINGS FOR ALL POOL PLAN INFORMATION, RELATED EQUIPMENT, AND DETAILS.
6. REFER TO PL200 SERIES DRAWINGS FOR ALL POOL STRUCTURAL PLANS, RELATED INFORMATION, AND DETAILS.
7. REFER TO PL300 SERIES DRAWINGS FOR ALL POOL AND DRAIN PIPING AND RELATED INFORMATION AND DETAILS.
8. REFER TO PL400 SERIES DRAWINGS FOR ALL MECHANICAL EQUIPMENT INFORMATION AND RELATED DETAILS.
9. REFER TO PL500 SERIES DRAWINGS FOR ELECTRICAL SCHEMATICS AND P&IDs.

CODES, STANDARDS AND REGULATIONS:

CONTRACTOR SHALL BE FAMILIAR WITH ALL CODES AND STANDARDS LISTED BELOW AND ALERT THE ARCHITECT/ENGINEER TO CONFLICTS IN THE DRAWINGS

CODE JURISDICTION:
Trophy Club, TX, DENTON COUNTY

HEALTH & SAFETY CODE:

TEXAS DEPARTMENT OF STATE HEALTH SERVICES, TITLE 25, PART 1, CHAPTER 265, SUB CHAPTER L SWIMMING POOLS AND SPAS, EFFECTIVE 1/1/2023

PUBLIC INTERACTIVE WATER FEATURES AND FOUNTAINS:

TEXAS DEPARTMENT OF HEALTH SERVICES, TITLE 25, PART 1, CHAPTER 265 SUBCHAPTER M INTERACTIVE WATER FEATURES AND FOUNTAINS

MODEL CODES:

2021 INTERNATIONAL SWIMMING POOL AND SPA CODE

ACCESSIBILITY STANDARDS AND REGULATIONS:

UNITED STATES:
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN
TEXAS ACCESSIBILITY STANDARDS

BATHER CAPACITY

BATHER CAPACITY IS CALCULATED IN ACCORDANCE WITH SECTION 403, TABLE 403.1 OF THE 2021 ISPC CODE AS FOLLOWS:

1. POOL A:
 - a. 1902 (SF) SHALLOW WATER / 12 (SF/BATHER) = 158 BATHERS.
2. TOTAL 158 BATHERS.
3. SELF LIMITED BATHER CAPACITY: 62

NOTE: BATHER CAPACITY OF THE COMPETITION POOL, AND REMAINDER OF THE FACILITY, IS NOT MODIFIED BY THE SCOPE OF THE PROJECT.

Parkhill



Parkhill.com

**Trophy Club Community
Pool Renovation**
Trophy Club, TX



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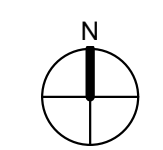
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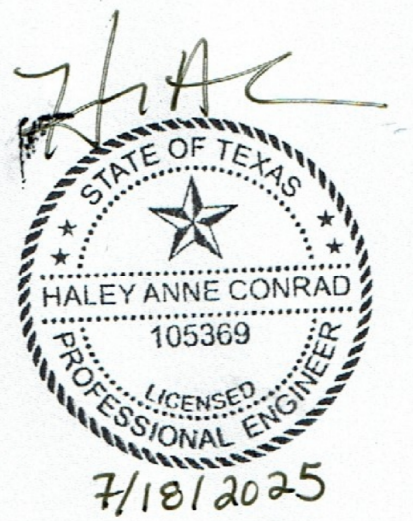
OVERALL AQUATIC PLAN

PL100

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1 | OVERALL AQUATIC LAYOUT
PLAN VIEW
1" = 10'-0"





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GENERAL DETAILS AND SCHEDULES

PL101

TAG LEGEND	
PIPE TAG LINE TYPE IDENTIFIER SYSTEM IDENTIFIER PIPE IDENTIFIER POOL IDENTIFIER	POOL EQUIPMENT TAG POOL IDENTIFIER EQUIPMENT IDENTIFIER
MECHANICAL EQUIPMENT TAG EQUIPMENT IDENTIFIER SYSTEM IDENTIFIER POOL IDENTIFIER	DIMENSION TAG POINT LOCATION POINT IDENTIFIER
WATER FEATURE TAG FEATURE DESIGNATOR EQUIPMENT IDENTIFIER	ELEVATION TAG ELEVATION LOCATION REFERENCE
CUSTOM RAILGOODS TAG POOL IDENTIFIER RAILGOODS IDENTIFIER	POOL STRUCTURAL TAG POOL IDENTIFIER WALL TYPE IDENTIFIER
POOL FIXTURE TAG POOL IDENTIFIER POOL FIXTURE DESIGNATOR EQUIPMENT IDENTIFIER	REVISION TAG REVISION NUMBER
POOL FINISH TAG FINISH TYPE ID POOL IDENTIFIER FINISH COLOR ID FINISH DESCRIPTION	DIMENSIONAL UNITS IMPERIAL UNITS METRIC UNITS (mm)
POOL ACCESSIBILITY TAG MEANS OF ACCESS	POOL FLOOR ELEVATION RELATIVE TO (SWL) ELEVATION

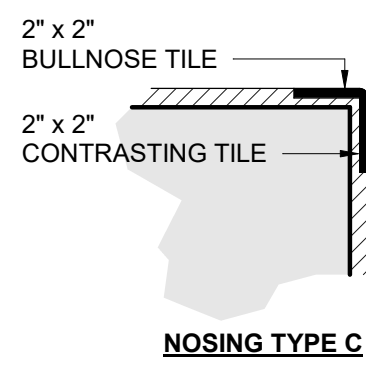
EQUIPMENT IDENTIFIER KEY	
AC - AIR COMPRESSOR	FP - FLOW METER POWER SUPPLY
AF - AUTOFILL	H - HEATER
AOP - ADVANCED OXIDATION PROCESS	HX - HEAT EXCHANGER
AP - pH CONTROL PUMP	P - PUMP
AS - pH CONTROL STORAGE	PV - PNEUMATIC MAIN DRAIN VALVE
BP - BOOSTER PUMP	S - STRAINER
C - CHEMICAL CONTROLLER	SC - CONTAINMENT PALLETE
CP - CHLORINE FEED PUMP	SV - SURGE TANK FAN
CS - CHLORINE STORAGE	UV - ULTRA-VIOLET DISINFECTION
EV - ELECTRONIC MAIN DRAIN VALVE	V - VARIABLE FREQUENCY DRIVE
F - FILTER	WC - WATER CHILLER
FM - FLOW METER	

ABBREVIATIONS	
AHJ - AUTHORITY HAVING JURISDICTION	P&ID - PIPING & INSTRUMENTATION DIAGRAM
BO - BOTTOM OF JOINT	PL - POOL LIFT
CJ - CONTROL JOINT	PS - POOL STAIRS
DIA - DIAMETER	SCH - SCHEDULE
EJ - EXPANSION JOINT	SE - SLOPED ENTRY
EW - EACH WAY	SS - STAINLESS STEEL
FFE - FINISH FLOOR ELEVATION	SWL - STATIC WATER LEVEL
ID - INSIDE DIAMETER	TO - TOP OF
MAX - MAXIMUM	TS - TRANSFER SYSTEM
MIN - MINIMUM	TUBC - TRUE UNION CHECK VALVE
NC - NOT IN CONTRACT	TUBV - TRUE UNION BALL VALVE
NO - NORMALLY CLOSED	TW - TRANSFER WALL
NO - NORMALLY OPEN	TYP - TYPICAL
NPS - NOMINAL PIPE SIZE	WD - WATER DEPTH
OC - ON CENTER	
OD - OUTSIDE DIAMETER	
OWE - OPERATING WATER ELEVATION	

SCHEDULE - SAFETY & MAINTENANCE EQUIPMENT			
QTY	PRODUCT NAME	MANUFACTURER	NOTES
NIC	25 PERSON AQUATIC FIRST AID KIT	WATER SAFETY PRODUCTS	25 PERSON OSHA FIRST AID KIT TO INCLUDE BIOHAZARD COMPLIANCE RESPONSE AND CPR MICROMASK WITH NITRILE GLOVES - OWNER PROVIDED
1	AUTOMATIC VACUUM CLEANING SYSTEM	MAYTRONICS ULTRAMAX GEMINI	DOLPHIN WAVE 140 AUTOMATIC CLEANER, RADIO REMOTE CONTROL, CADDY, FINE FILTER KIT WITH TOP ACCESS, SIX (6) ACTIVE BRUSHES, SUCTION RATE: 9,000 GPH, 140 FT CORD, 3 YEAR WARRANTY
NIC	DEFIBRILLATOR	WATER SAFETY PRODUCTS	ZOLL AED PLUS DEFIBRILLATOR COMPLETE AED PACKAGE WITH CPR-D PADZ ELECTRODES, CPR HELP TECHNOLOGY WITH REAL-TIME DEPTH AND RATE CPR FEEDBACK, LITHIUM 123 BATTERIES WITH 5 YEAR SHELF LIFE, CARRYING CASE AND AED PRESCRIPTION - OWNER PROVIDED
NIC	LIFE BUOY	WATER SAFETY PRODUCTS	30" DIA, MADE OF UNICELL SOFT FOAM WITH HARD SHELL COVERING. INCLUDE STAINLESS STEEL MOUNTING BRACKETS AND STAINLESS STEEL ANCHORS AND BOLTS. MOUNT UNIT ON WALL IN COORDINATION WITH OWNER - OWNER PROVIDED
NIC	LIFE HOOK & RESCUE POLE	RECREONICS	FIBERGLASS POLE, WITH DOUBLE LIFE HOOK. PROVIDE 16-FOOT NON-TELESCOPING SECTIONS WITH & RUBBER END CAP. INCLUDE STAINLESS STEEL MOUNTING BRACKETS AND STAINLESS STEEL ANCHORS AND BOLTS. MOUNT UNIT ON WALL IN COORDINATION WITH OWNER - OWNER PROVIDED
NIC	MANUAL VACUUM CLEANING SYSTEM	HAMMERHEAD	RESORT-21; (RESORT-30); 21"(30") VACUUM HEAD WITH (2) LARGE CAPACITY BAGS, 80 FOOT CORD, STAINLESS STEEL POLE SWIVEL MOUNT AND WELDED ALUMINUM CADDY W/ 20" WHEELS. PROVIDE WITH 12V DEEP CYCLE MARINE BATTERY, BATTERY CHARGER, AND 1 1/8" STANDARD POOL POLE - OWNER PROVIDED.
NIC	RESCUE TUBE	WATER SAFETY PRODUCTS	50" LONG x 6" WIDE x 4" THICK. NO CLIPS, NO RINGS. 2" WIDE ADJUSTABLE SHOULDER STRAP, CONNECTED TO TUBE BY 1" STRAPPING. STRAPPING EXTENDS COMPLETELY THROUGH LENGTH OF TUBE. - OWNER PROVIDED
1	SPINEBOARD W/ HEAD IMMOBILIZER	WATER SAFETY PRODUCTS	X-RAY TRANSLUCENT BACKBOARD WITH HEAD IMMOBILIZER AND BODY STRAPS. INCLUDE STAINLESS STEEL MOUNTING BRACKETS AND STAINLESS STEEL ANCHORS AND BOLTS. MOUNT UNIT ON WALL IN COORDINATION WITH OWNER
NIC	THROW LINE	WATER SAFETY PRODUCTS	60' MARINE POLYPRO LINE, WITH 3" x 5" LEMON FLOAT - OWNER PROVIDED
NIC	WATER TEST KIT	TAYLOR "SERVICE COMPLETE"	FAS DPD CHLORINE KIT - OWNER PROVIDED

LEGEND - FINISHES & COLOR CODES - POOL A						
AREA	FINISH ID	FINISHES		COLORS		NOTES
		FINISH	COLOR ID	COLORS	COLOR	
BENCH AND SUNLEDGE NOSING - CONTRASTING	SR2	2"x2" SLIP RESISTANT TILE	C07	CONTRASTING TO POOL FINISH		
DEPTH MARKERS - DECK	SR3	6"x6" SLIP RESISTANT TILE	C03	BLACK ON WHITE		
DEPTH MARKERS - NO DIVING	SR3	6"x6" SLIP RESISTANT TILE	C04	BLACK AND RED ON WHITE		
DEPTH MARKERS - WALL	CT1	6"x6" CERAMIC TILE	C03	BLACK ON WHITE		
HORIZONTAL SURFACE (WET)	QA	QUARTZ AGGREGATE	C06	LIGHT COLOR		
HORIZONTAL SURFACE (WET)	SR1	1"x1" SLIP RESISTANT TILE	C06	LIGHT COLOR		
INTERMEDIATE STEGMEIER EDGE	LB	LIGHT BROOM	C01	AS SELECTED BY ARCHITECT		
ROLLBACK	LB	LIGHT BROOM	C01	AS SELECTED BY ARCHITECT		
TILE - TRIM TILE	SR1	1"x1" SLIP RESISTANT TILE	C01	AS SELECTED BY ARCHITECT		
TILE - WATERLINE	KT1	1"x1" KEYSTONE TILE	C01	AS SELECTED BY ARCHITECT		
TRIM TILE - BULLNOSE	S862	1"x1" S-862 BULLNOSE TRIM TILE	C01	AS SELECTED BY ARCHITECT		
VERTICAL SURFACE (WET)	QA	QUARTZ AGGREGATE	C06	LIGHT COLOR		

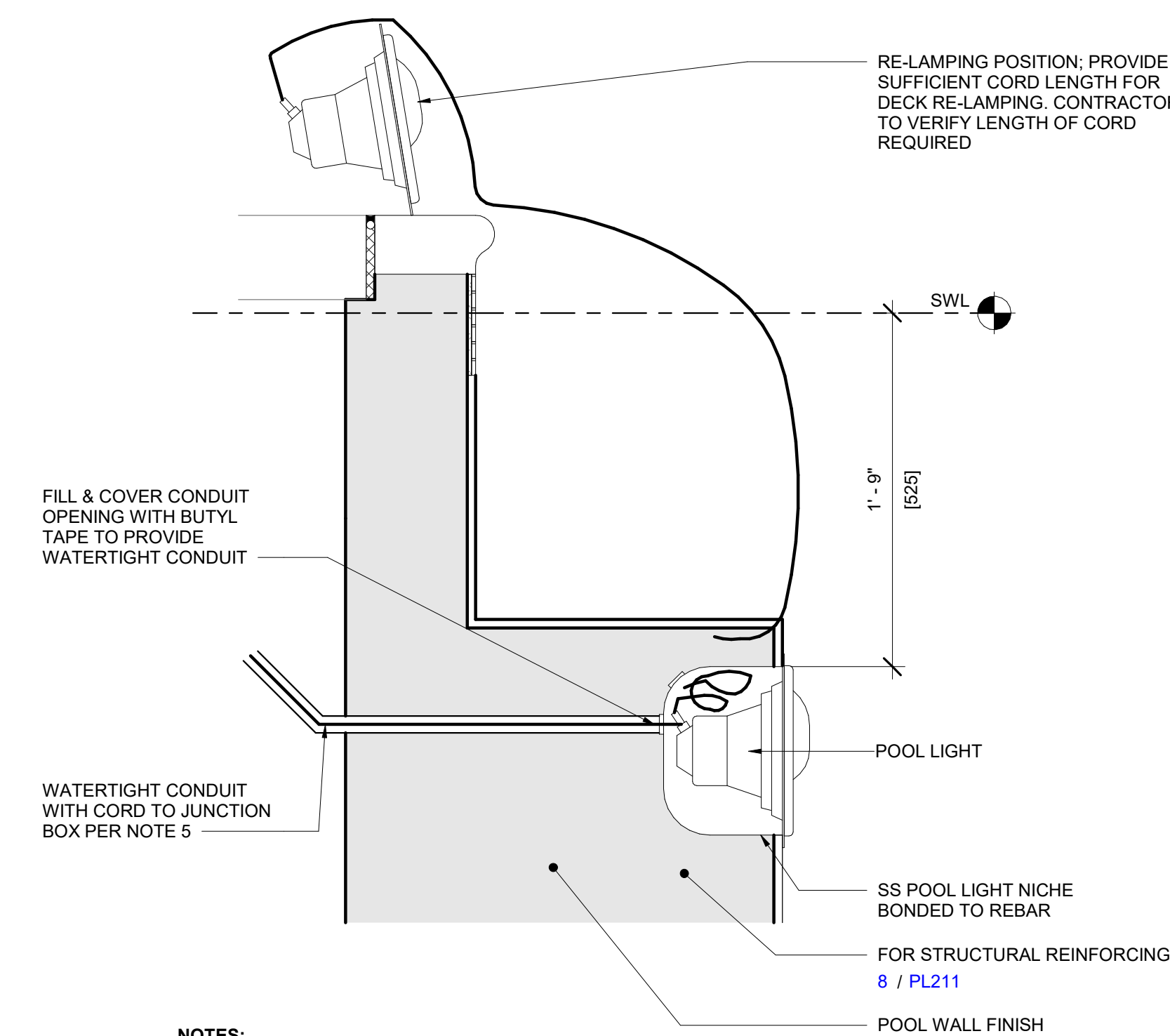
LEGEND - FINISHES & COLOR CODES - SYSTEM B						
AREA	FINISH ID	FINISHES		COLORS		NOTES
		FINISH	COLOR ID	COLORS	COLOR	
HAND RUBBED CONCRETE	FC	FINISHED CONCRETE	C01	AS SELECTED BY ARCHITECT		



NOTES:
1. NOSING TYPE C: 2" MIN. CONTRASTING TILE BAND REQUIRED ON TREAD NOSING AND TOP OF RISER UNLESS OTHERWISE NOTED.

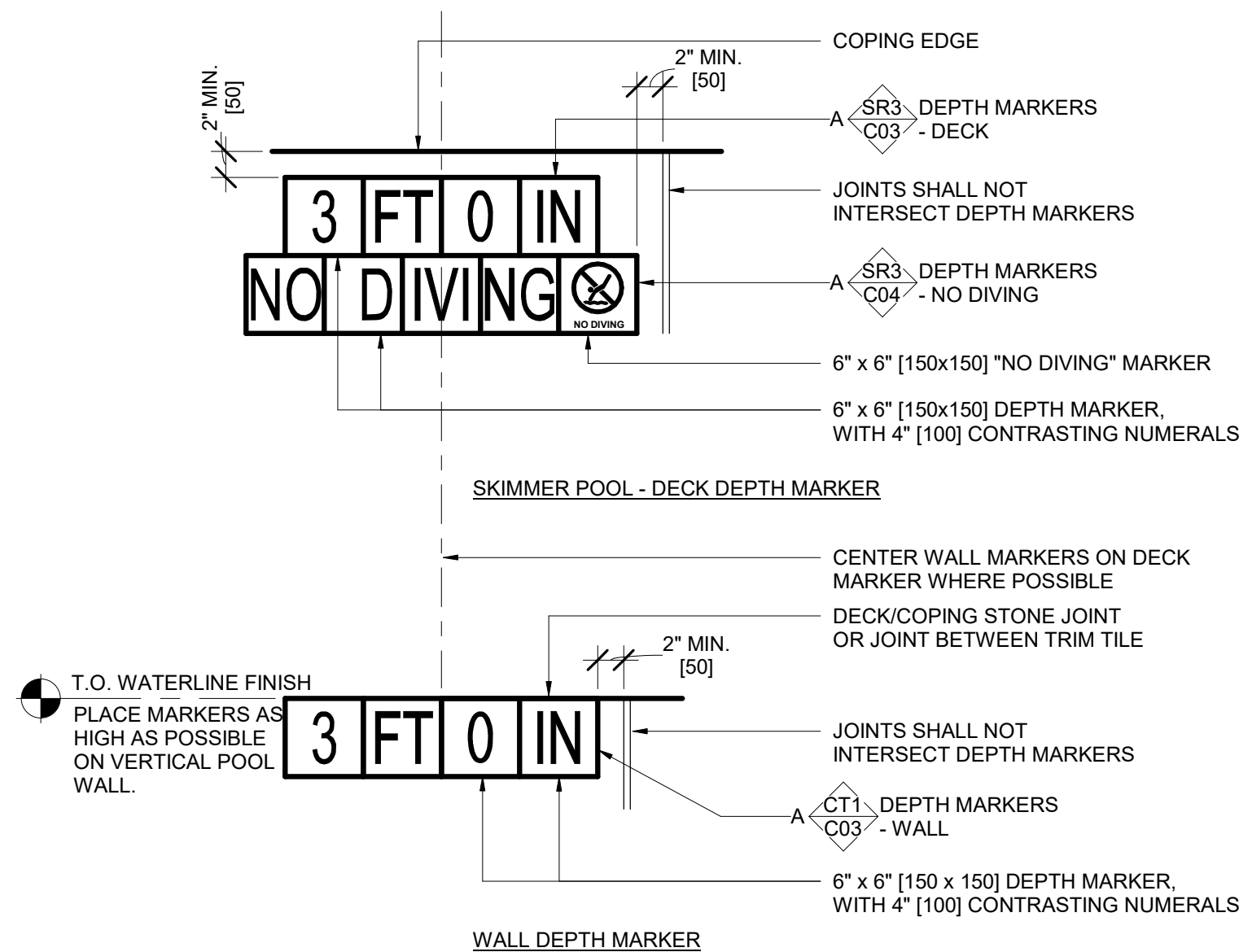
FINISH NOTES:

- FINISHES PER SCHEDULE UNLESS OTHERWISE INDICATED.
- VERTICAL SURFACE (WET) AND HORIZONTAL SURFACE (WET) SHALL BE AT LEAST 6.5 ON THE MUNSSELL COLOR VALUE SCALE. CONTRASTING COLORS SHALL HAVE A MUNSSELL VALUE OF 0 TO 4.
- ALL HORIZONTAL SURFACES MUST BE SLIP RESISTANT AND COMPLY WITH THE ANSI A137.1 STANDARD USING THE DCOF ACUTEST METHODOLOGY:
ON WET LEVEL SURFACES, PROVIDE DYNAMIC COEFFICIENT OF FRICTION OF \geq 0.42.
ON WET SLOPED SURFACES, PROVIDE DYNAMIC COEFFICIENT OF FRICTION OF \geq 0.65.
- DESIGN WATERLINE SHALL HAVE A MAXIMUM CONSTRUCTION TOLERANCE WHEN FINISHED OF +/- 1/4" FOR POOLS AND SPAS WITH ADJUSTABLE SURFACE SKIMMING, AND +/- 1/8" FOR POOLS AND SPAS WITH NONADJUSTABLE SURFACE SKIMMING.



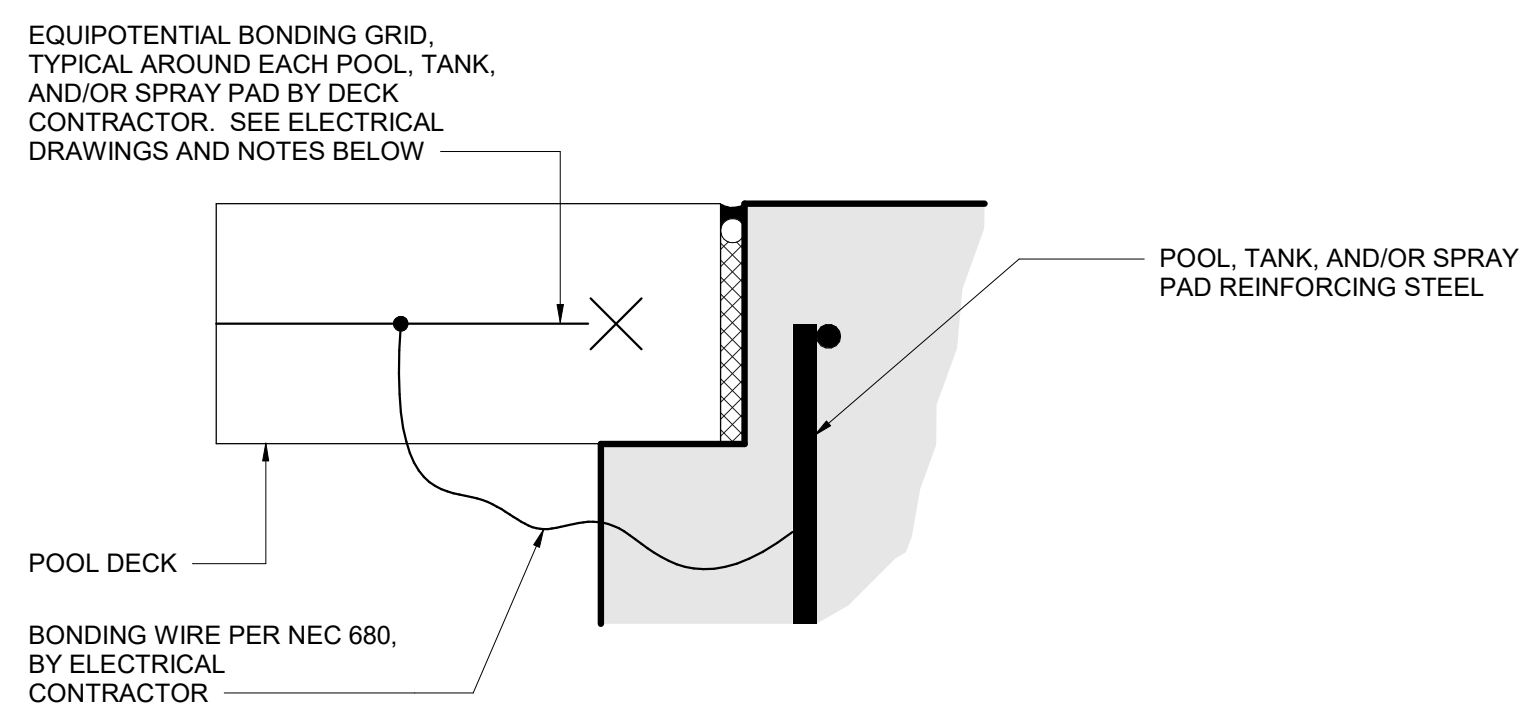
- NOTES:**
- POOL LIGHTS AT LOCATIONS AS INDICATED ON PLAN BY THIS SYMBOL.
 - SEE ELECTRICAL DRAWINGS FOR JUNCTION BOX LOCATIONS.
 - SEE SECTIONS FOR REQUIRED DIMENSIONS TO LIGHTS.
 - LIGHT LOCATIONS SHALL PROVIDE A MIN 3" [75] CONCRETE COVER AT JOINT LOCATIONS AND BE POSITIONED TO PROVIDE ADEQUATE CLEARANCE FROM JOINT WATERSTOP.
 - LIGHT NICHE FURNISHED BY POOL CONTRACTOR. LIGHT NICHE IS GROUNDED/BONDED BY ELECTRICAL CONTRACTOR.
 - LIGHT FIXTURES WITH CORD AND CONDUIT ATTACHED ARE FURNISHED AS SPECIFIED BY THE POOL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR. ALL OTHER ELECTRICAL MATERIALS (WATERTIGHT CONDUIT, JUNCTION BOXES, SWITCHES, ETC) ARE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR PER NEC CODE ARTICLE 680. POOL LIGHTS SHALL BE GFI PROTECTED PER NEC ARTICLE 680.

2 | POOL LIGHT DETAIL VIEW
1/2" = 1'-0"



- NOTES:**
- WALL DEPTH MARKER AT LOCATIONS AS INDICATED ON PLAN BY THIS SYMBOL. EXCLUDE "NO DIVING" MARKER TILES AT POOL WALL DEPTH MARKER LOCATIONS AND AT POOL DEPTHS GREATER THAN 5'-0".
 - DEPTH MARKERS SHALL BE LEGIBLE FROM INSIDE THE POOL AND FROM THE POOL DECK. THE POOL CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING MARKINGS ACCURATE TO WITHIN ONE INCH OF THE CONSTRUCTED WATER DEPTHS AT LOCATIONS INDICATED ON PLAN AT A MAX 25'-0" SPACING AND IN ACCORDANCE WITH LOCAL CODE REQUIREMENTS.
 - DEPTH MARKER TEXT SHALL INDICATE THE ACTUAL POOL DEPTH WITHIN 3" AT NORMAL OPERATING WATER LEVEL WHEN MEASURED 3'-0" FROM POOL WALL. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING PROPER TEXT FOR EACH MARKER LOCATION.
 - MARKINGS SHALL BE INSTALLED FLUSH WITH SURROUNDING SURFACES AND RECESSED IF NECESSARY.
 - ALL MARKINGS INSTALLED ON HORIZONTAL SURFACES SHALL HAVE A SLIP RESISTANT FINISH.
 - DEPTH MARKER SHALL BE LOCATED WITHIN 18" OF THE WATER'S EDGE AND IN THE TOP 4 1/2" OF THE POOL WALL JUST UNDER THE COPING.
 - DEPTH MARKERS SHALL NOT BE PLACED ON THE DECK ABOVE ENTRY/EXITS INCLUDING STEPS, LADDERS, RECESSED TREADS, WATER LOUNGES AND BEACH ENTRIES OF THE POOL.
 - DEPTH MARKERS MUST BE LOCATED WITHIN 18" OF WATER'S EDGE.
 - WALL DEPTH MARKER SHALL BE TOP JUSTIFIED.

3 | FINISH - DEPTH MARKER DECK & WALL DETAIL VIEW
3/8" = 1'-0"



- NOTES:**
- THIS DETAIL IS INTENDED TO ILLUSTRATE THE EQUIPOTENTIAL BONDING GRID AROUND EACH POOL, TANK, AND/OR SPRAY PAD AS REQUIRED BY NEC 680.
 - THE GRID SHALL CONFORM TO ALL NEC 680 REQUIREMENTS.
 - PER NEC 680, THE GRID SHALL:
3.a. COMPLETELY SURROUND THE PERIMETER OF THE POOL, TANK, AND/OR SPRAY PAD AND EXTEND 3 FEET HORIZONTALLY FROM THE INSIDE WALLS OF THE POOL, AND/OR TANK, OR PERIMETER EXPANSION JOINT AT SPRAY PADS.
3.b. BE ARRANGED IN A 12" X 12" (OR LESS) NETWORK OF CONDUCTORS IN A UNIFORMLY SPACED PATTERN.
3.c. BE BONDED TO THE POOL, TANK, AND/OR SPRAY PAD REINFORCING STEEL.
 - THIS DETAIL IS NOT INTENDED TO DETAIL THE WALLS, SLABS, OR THE DECK. THE ABOVE DETAIL IS SCHEMATIC. SEE POOL, TANK, AND/OR SPRAY PAD SECTIONS AND DECK SECTIONS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.
 - SEE POOL, TANK, AND/OR SPRAY PAD ELECTRICAL DRAWINGS FOR ADDITIONAL BONDING & GROUNDING REQUIREMENTS.

1 | POOL EQUIPOTENTIAL BONDING GRID DETAIL VIEW
3/8" = 1'-0"



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Pool Renovation
Trophy Club, TX**



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PROJECT NO.
24327

#	DATE	DESCRIPTION
-	07/21/2025	Issue for Proposal

POOL A-LEISURE POOL DATA

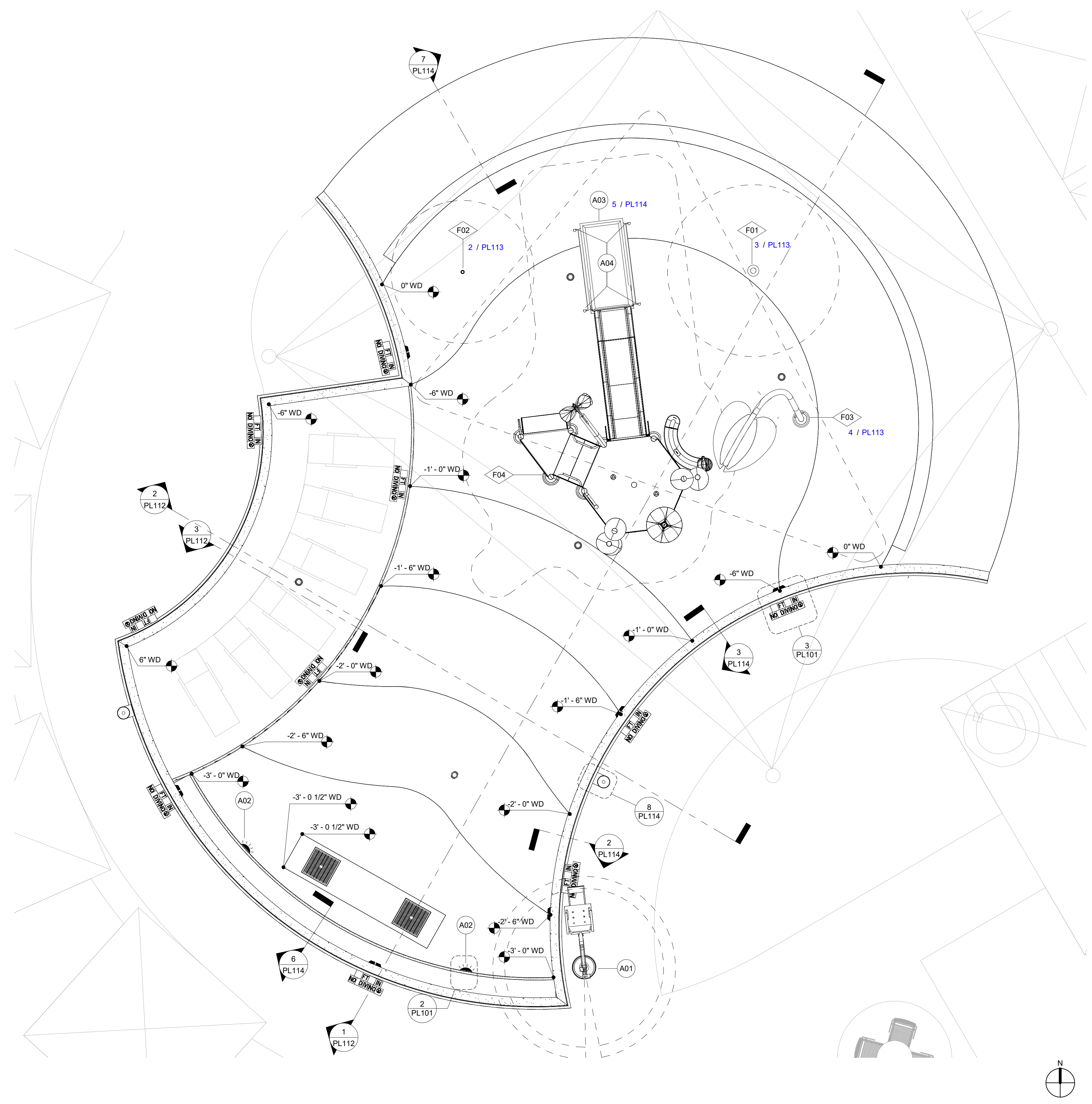
DESCRIPTION	QTY	UNITS
POOL PERIMETER	186	FEET
WATER SURFACE AREA	1,903	SQUARE FEET
POOL WATER TEMPERATURE	80	°F
POOL VOLUME	15,473	GALLONS
CIRCULATION RATE	172	GPM
TURNOVER/VOLUME/FLOW	90 MIN.	
FILTRATION RATE	7.29	GPM/FT²
BACKWASH FLOW	177	GPM

SCHEDULE - BASIS OF DESIGN - POOL A

POOL ID	EQUIPMENT ID	EQUIPMENT	QTY	MANUFACTURER	DESCRIPTION
A	01	POOL LIFT	1	SR SMITH, AQUA CREEK, OR EQUAL	STANDARD ANCHORED, ROTATIONAL POOL LIFT, WITH 400 LB MINIMUM LIFTING CAPACITY. MUST MEET ALL APPLICABLE ADA REQUIREMENTS, WHILE MAINTAINING REQUIRED DECK CLEARANCE. PACKAGE TO INCLUDE ARMRESTS, ANCHOR, LIFT COVER, BATTERY CHARGER, AND CADDY
A	02	LIGHT & NICHE	2	PENTAIR	INTELLIBRITE, WHITE LED POOL LIGHT, 300W EQUIVALENCY, 120V, WITH SS FACE RING. PROVIDE COMPLETE WITH PENTAIR POOL PRODUCTS LARGE SS NICHE WITH 1" REAR HUB.
A	03	SAFETY PAD	1	RENOSYS	4" THICK SOFTSIDE SLIP RESISTANT PADDED SAFETY FLOORING WITH SAFETY NETTING
A	04	BARRIER STANCHION	4	PARAGON AQUATICS, SPECTRUM AQUATICS, SR SMITH OR EQUAL	1.900" OD x .145 WALL x 3'-6", PROVIDE SLIDING COLLAR, WITH EYE BOLT

SCHEDULE - WATER FEATURE - POOL A

POOL ID	FEATURE ID	FEATURE	QTY	MANUFACTURER	DESCRIPTION	GPM (ea)	GPM (Total)
A	F01	SPRAY FEATURE	1	VORTEX	AQUA DOME N°1 (VOR 0555) (SAFESWAP N°1)	18	18
A	F02	SPRAY FEATURE	1	VORTEX	JET STREAM N°1 (VOR 7512)	3	3
A	F03	SPRAY FEATURE	1	VORTEX	SINGLE LEAF (VOR 7269) (SAFESWAP N°1)	8	8
A	F04	PLAY STRUCTURE	1	VORTEX	CUSTOM L2-150B	142	142

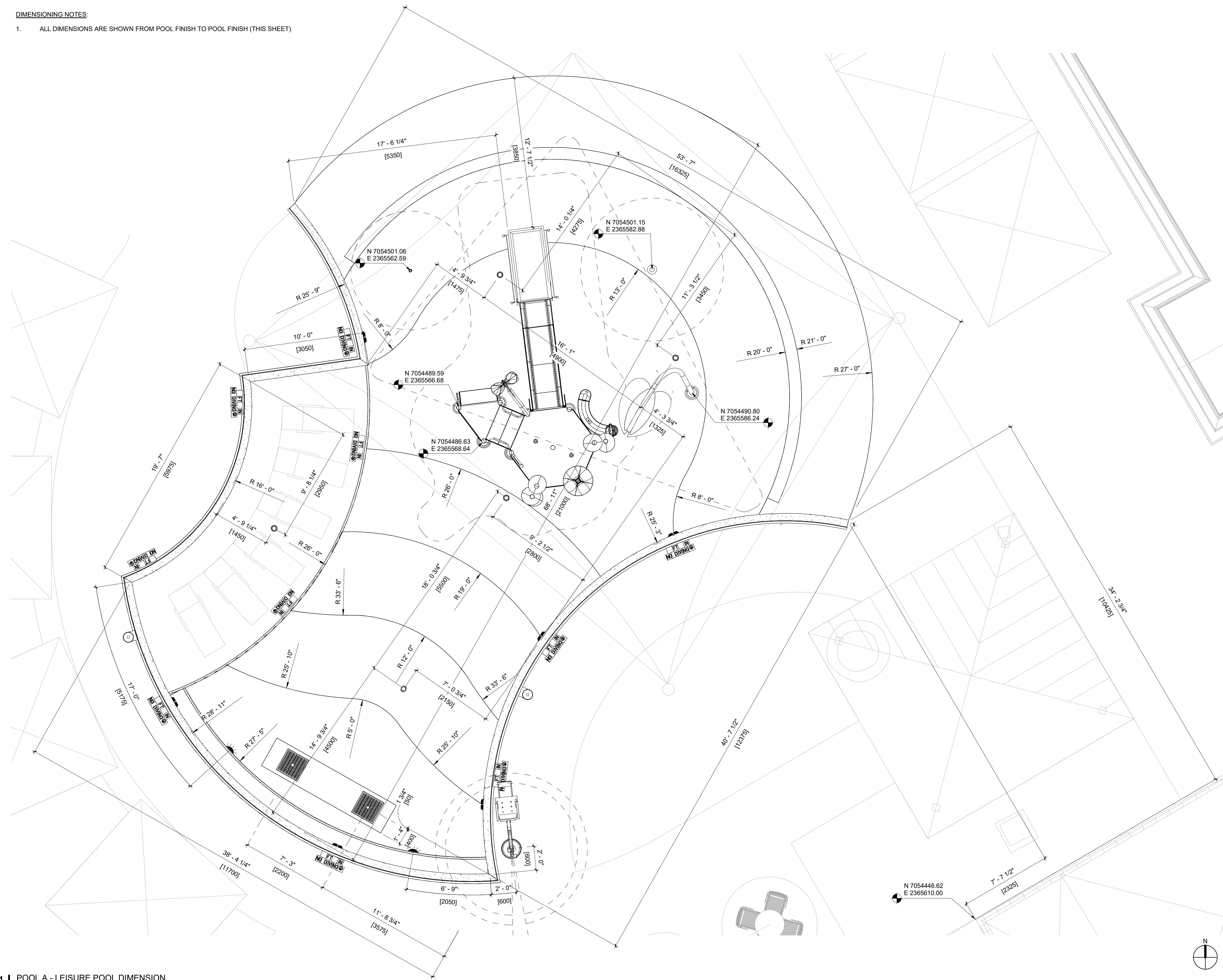


**1 | POOL A - LEISURE POOL
PLAN VIEW**
1/4" = 1'-0"

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DIMENSIONING NOTES:

- ALL DIMENSIONS ARE SHOWN FROM POOL FINISH TO POOL FINISH (THIS SHEET)



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1 | POOL A - LEISURE POOL DIMENSION
 PLAN VIEW
1/4" = 1'-0"

Parkhill



Parkhill.com

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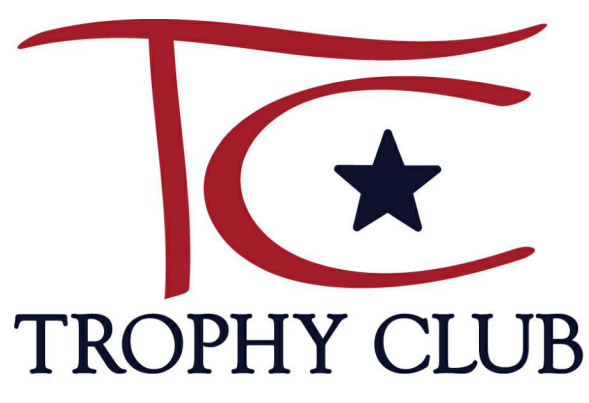
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**POOL A - LEISURE
 POOL DIMENSION
 PLAN**

PL111



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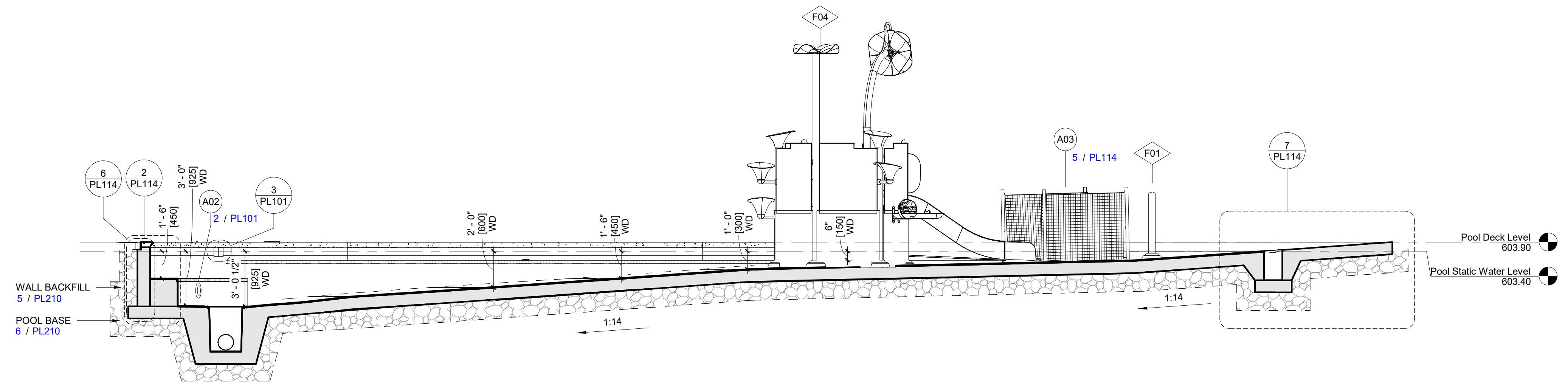


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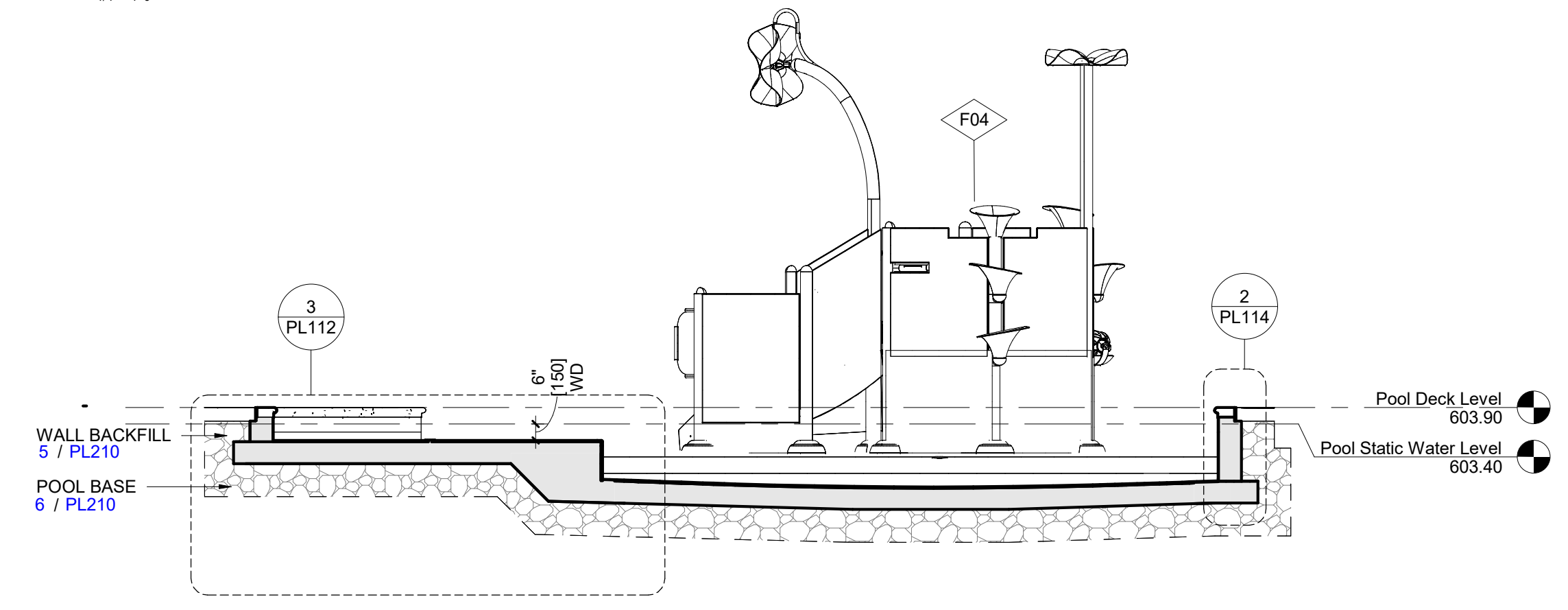
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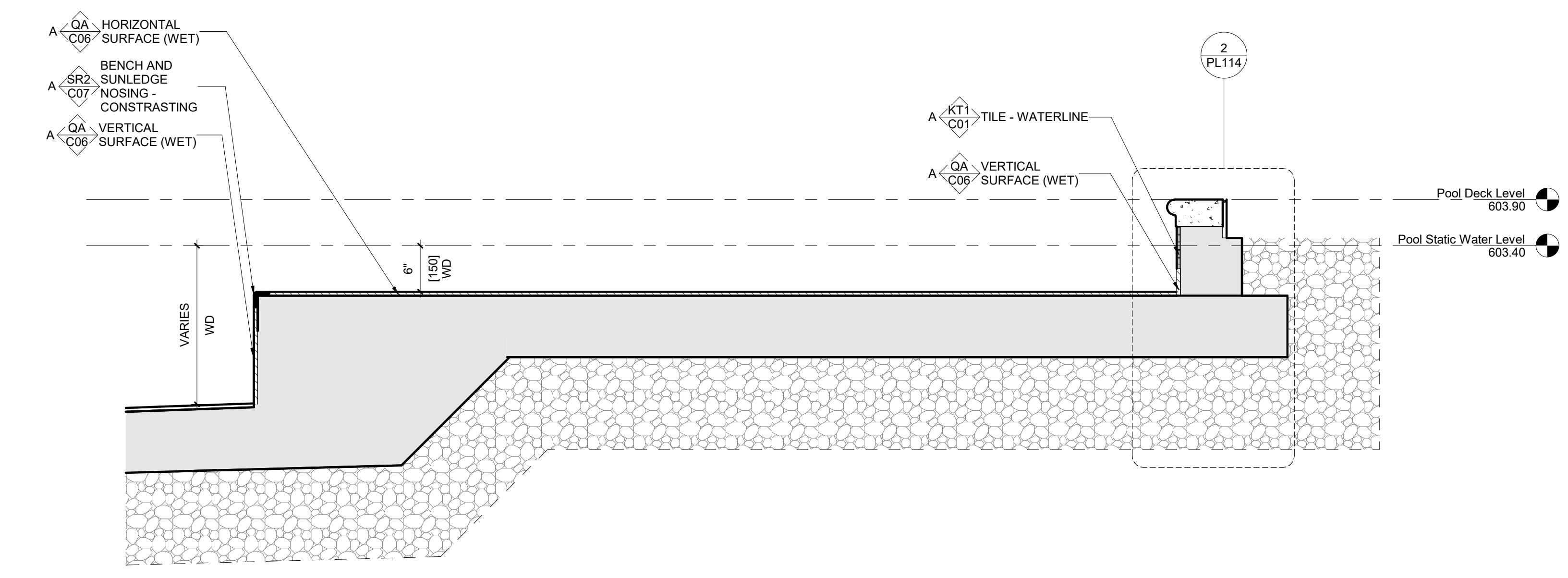
**POOL A - LEISURE POOL
POOL SECTIONS
PL112**



1 POOL A - LEISURE POOL
SECTION VIEW
1/4" = 1'-0"



2 POOL A - LEISURE POOL
SECTION VIEW
1/4" = 1'-0"



3 POOL A - LEISURE POOL
SECTION VIEW
1" = 1'-0"



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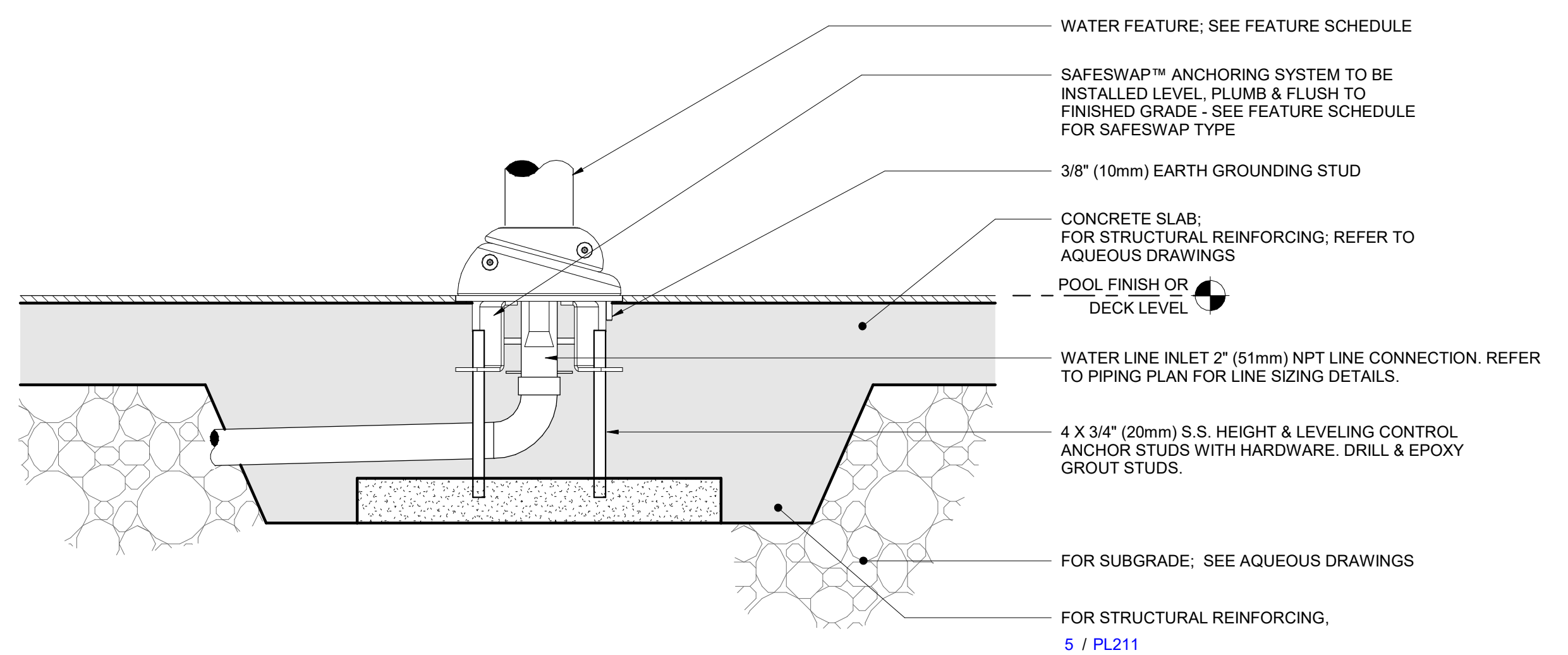
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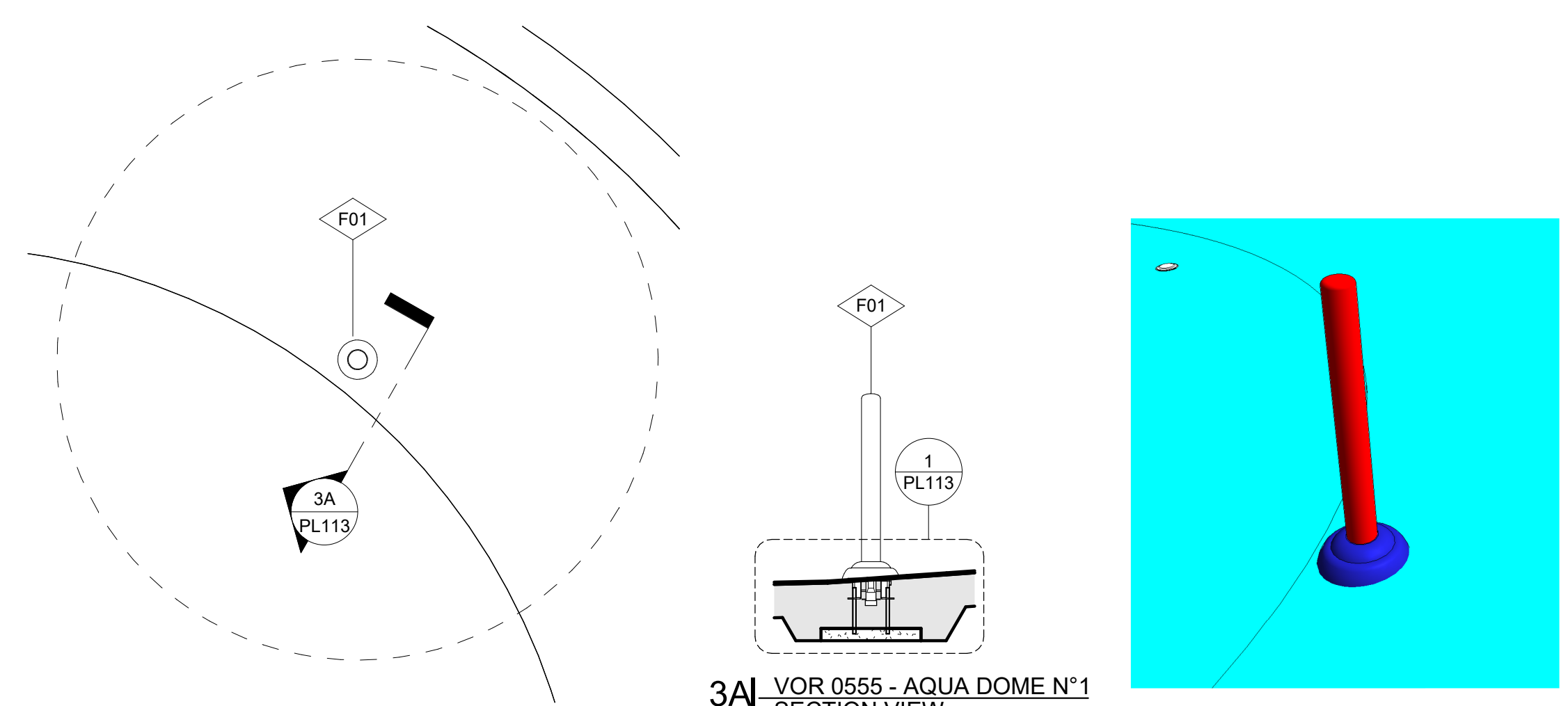
#	DATE	DESCRIPTION

POOL A - LEISURE POOL DETAILS
PL113



NOTE:
CONFIRM ANCHOR TYPE & ALL INSTALLATION REQUIREMENTS WITH VORTEX PRIOR TO INSTALL.

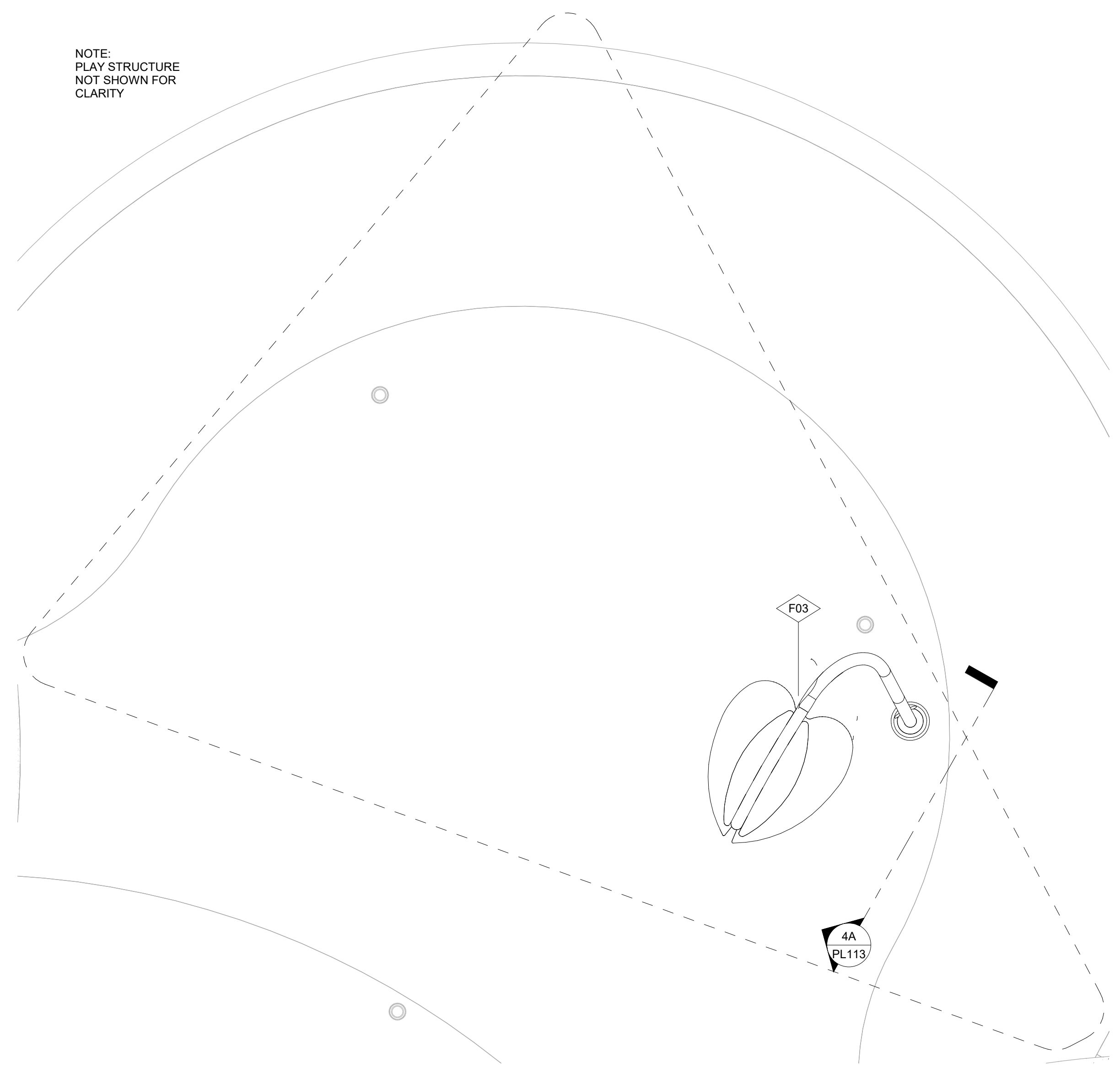
1 | ANCHOR DETAIL - VORTEX SAFESWAP
DETAIL VIEW
1/12" = 1'-0"



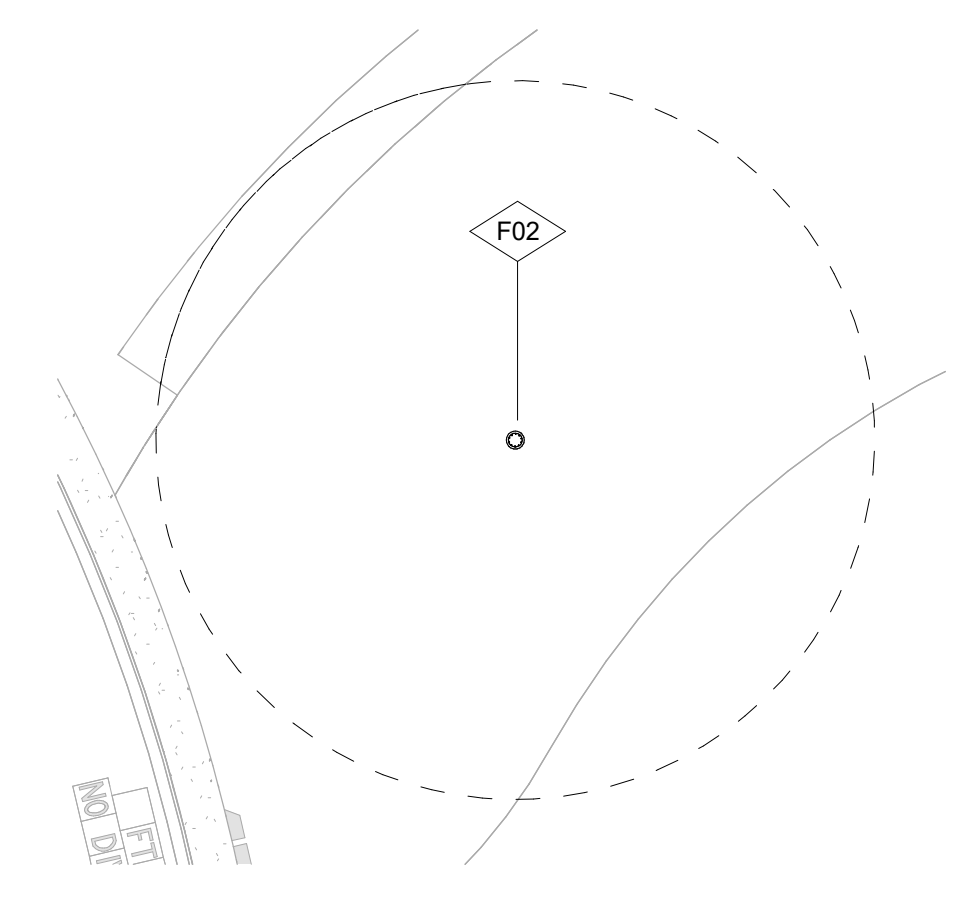
3A | VOR 0555 - AQUA DOME N°1
SECTION VIEW
3/8" = 1'-0"

3 | VOR 0555 - AQUA DOME N°1
PLAN VIEW
3/8" = 1'-0"

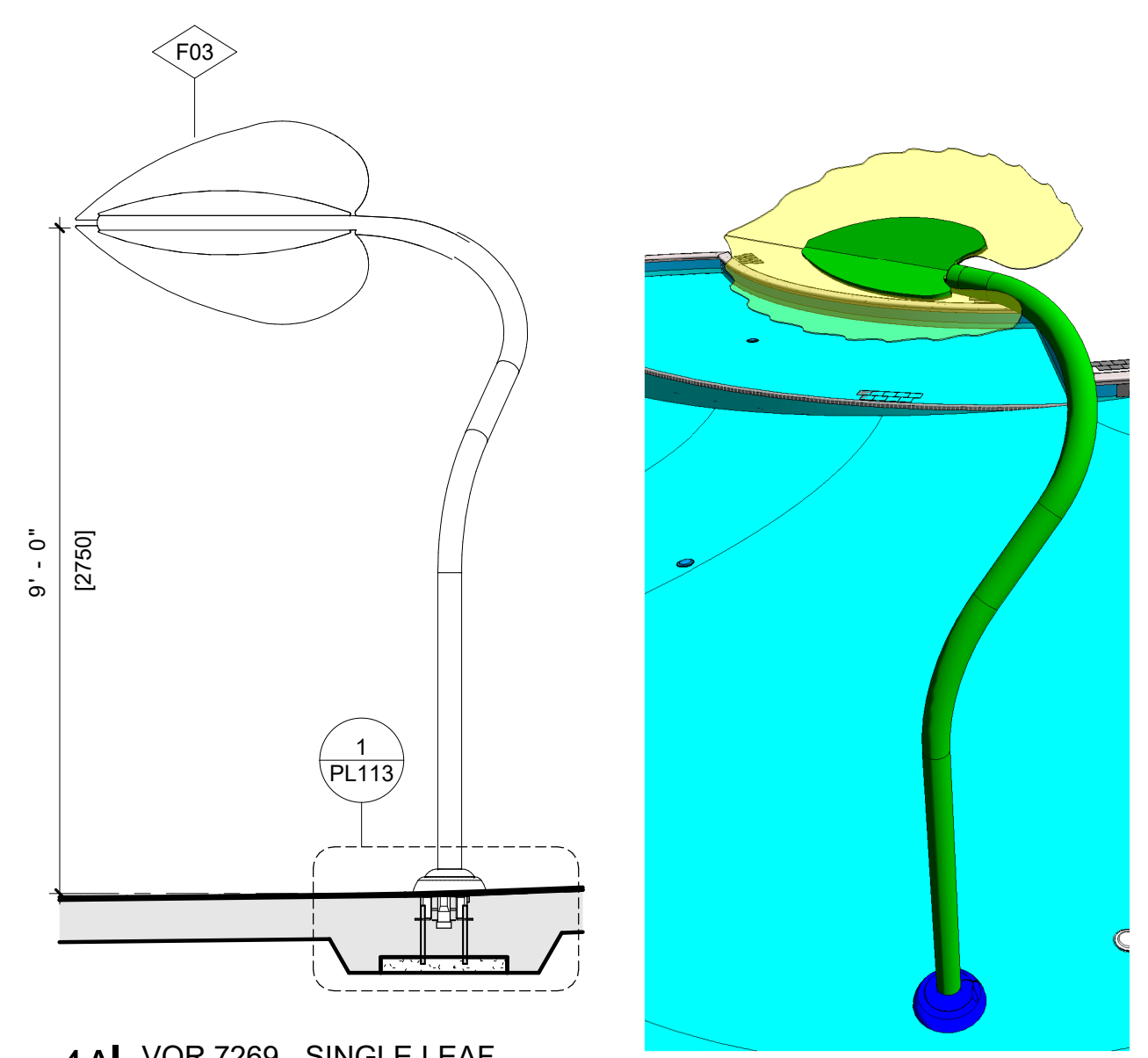
NOTE:
PLAY STRUCTURE NOT SHOWN FOR CLARITY



4 | VOR 7269 - SINGLE LEAF
PLAN VIEW
3/8" = 1'-0"



2 | VOR 7512 - JET STREAM N°1
PLAN VIEW
3/8" = 1'-0"



4A | VOR 7269 - SINGLE LEAF
SECTION VIEW
3/8" = 1'-0"

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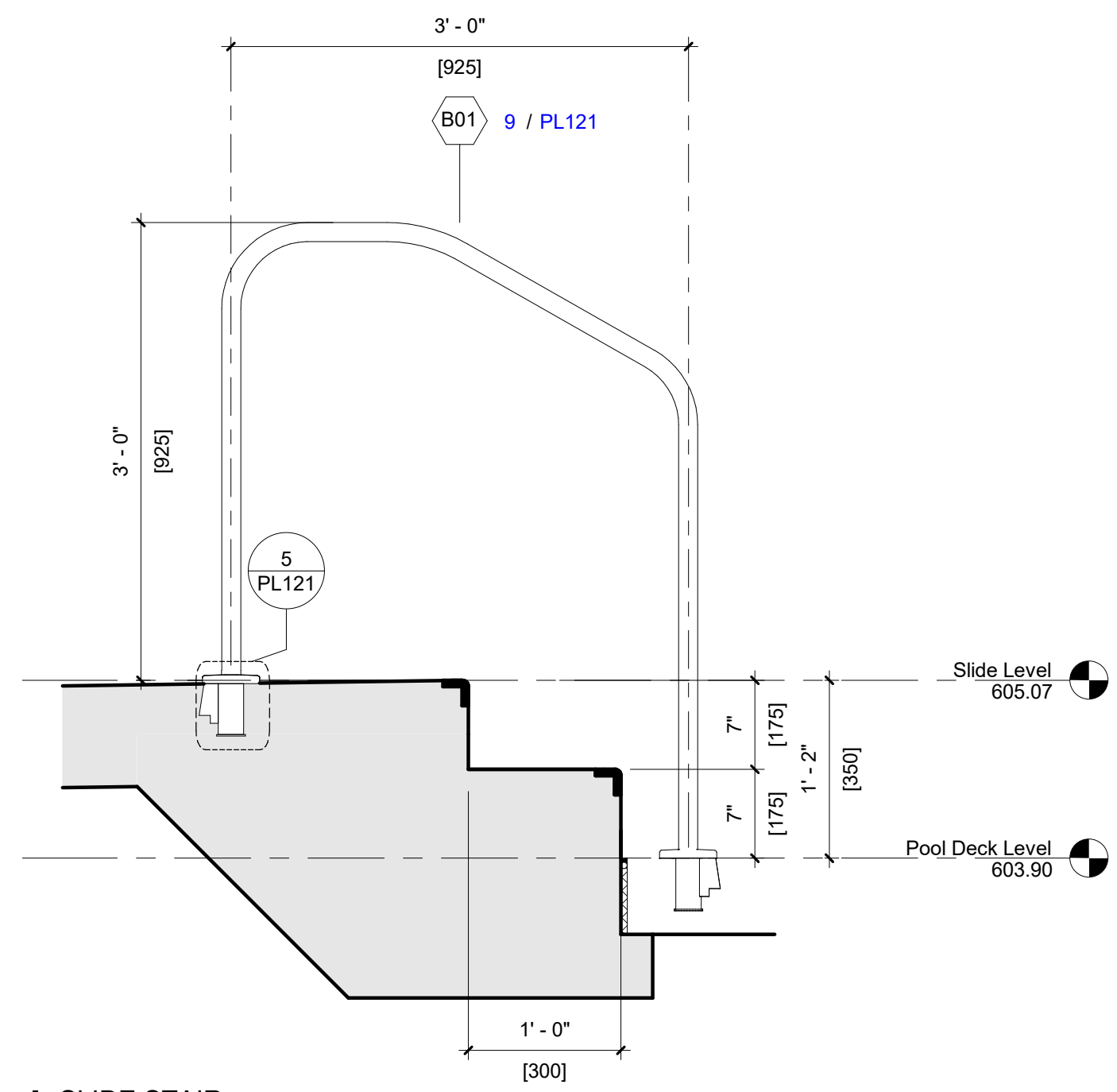
POOL B - SLIDE COMPLEX PL120

SCHEDULE - SLIDE DATA							
POOL ID	SLIDE TYPE	MANUFACTURER	SLIDE INFORMATION			TOWER INFORMATION	
			SLIDE LENGTH (FT)	SLIDE HEIGHT (FT)	SLIDE FLOW (GPM)	TOWER HEIGHT (FT)	TOWER MATERIAL
B	CLOSED TO OPEN FLUME SPEED SLIDE	VORTEX	79.67	20.42	300	20.42	CONCRETE FIBERGLASS
B	OPEN FLUME BODY SLIDE	VORTEX	156.75	20.42	300	20.42	CONCRETE FIBERGLASS

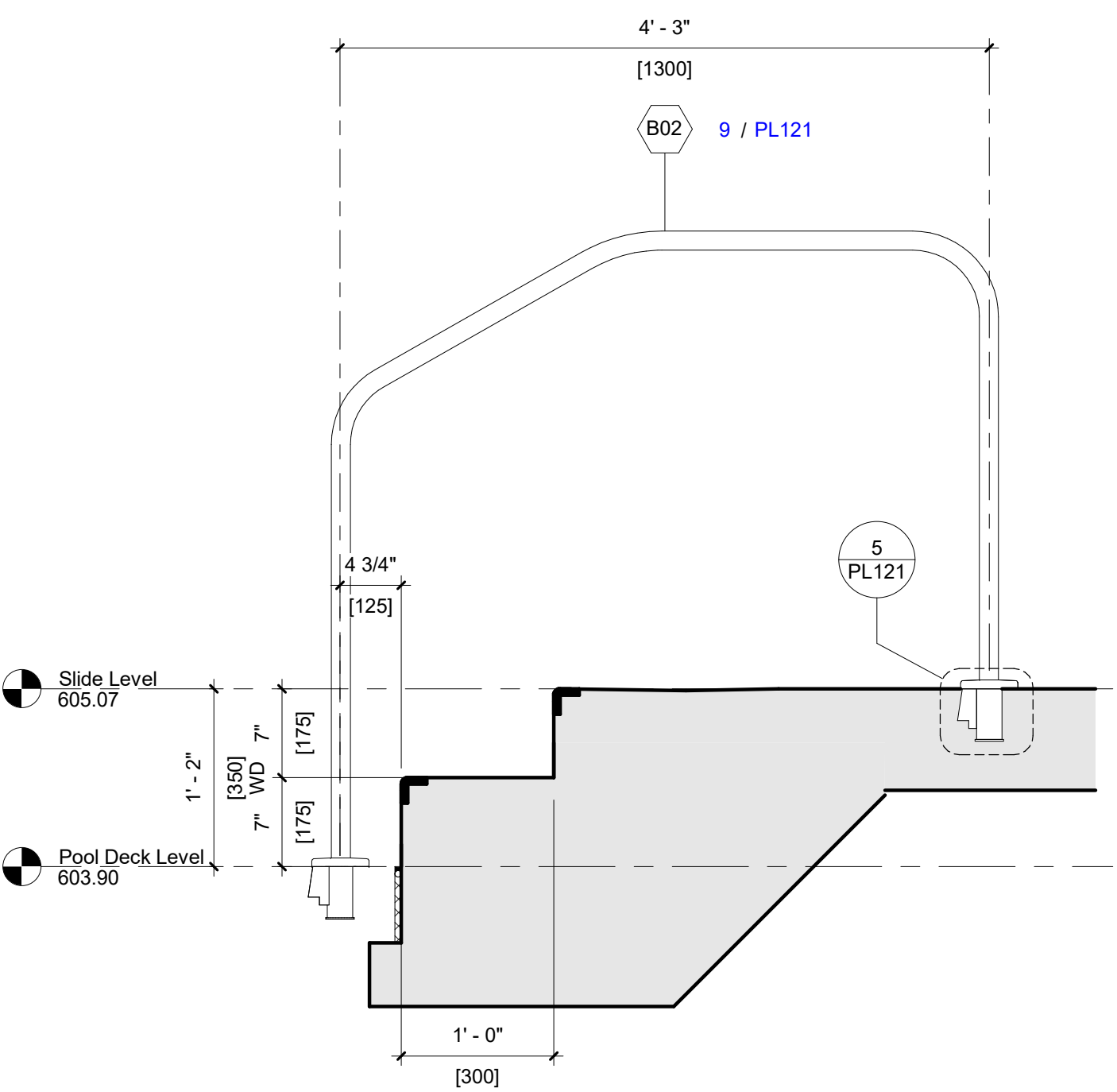
SCHEDULE - CUSTOM RAILGOODS - POOL B						
POOL ID	EQUIPMENT ID	EQUIPMENT	QTY	MANUFACTURER	DESCRIPTION	
B	01	HAND RAIL	1	PARAGON AQUATICS, SPECTRUM AQUATICS, SR SMITH OR EQUAL	CUSTOM FABRICATED, 316L SS, 1.50" OD x .120 WALL THICKNESS, 500 GRIT FINISH MIN.	
B	02	HAND RAIL	1	PARAGON AQUATICS, SPECTRUM AQUATICS, SR SMITH OR EQUAL	CUSTOM FABRICATED, 316L SS, 1.50" OD x .120 WALL THICKNESS, 500 GRIT FINISH MIN.	
B	03	BARRIER RAILING	1	PARAGON AQUATICS, SPECTRUM AQUATICS, SR SMITH OR EQUAL	CUSTOM FABRICATED, ALUMINUM, 1.50 OD X .120 WALL THICKNESS, 500 GRIT FINISH MIN BARRIER RAILING. COLOR BY OWNER/ARCHITECT	
B	04	BARRIER RAILING	1	PARAGON AQUATICS, SPECTRUM AQUATICS, SR SMITH OR EQUAL	CUSTOM FABRICATED, ALUMINUM, 1.50 OD X .120 WALL THICKNESS, 500 GRIT FINISH MIN BARRIER RAILING. COLOR BY OWNER/ARCHITECT	

SCHEDULE - BASIS OF DESIGN - POOL B						
POOL ID	EQUIPMENT ID	EQUIPMENT	QTY	MANUFACTURER	DESCRIPTION	
B	01	ESCUTCHEON PLATE	4	PARAGON AQUATICS, SPECTRUM AQUATICS, SR SMITH OR EQUAL	STAINLESS STEEL ROUND ESCUTCHEON FOR 1.50" O.D. RAILS	
B	02	WEDGE ANCHOR	4	PARAGON AQUATICS, SPECTRUM AQUATICS, SR SMITH OR EQUAL	CAST BRONZE, 4-1/4" LONG, ACCEPTS 1.500" OD TUBING	

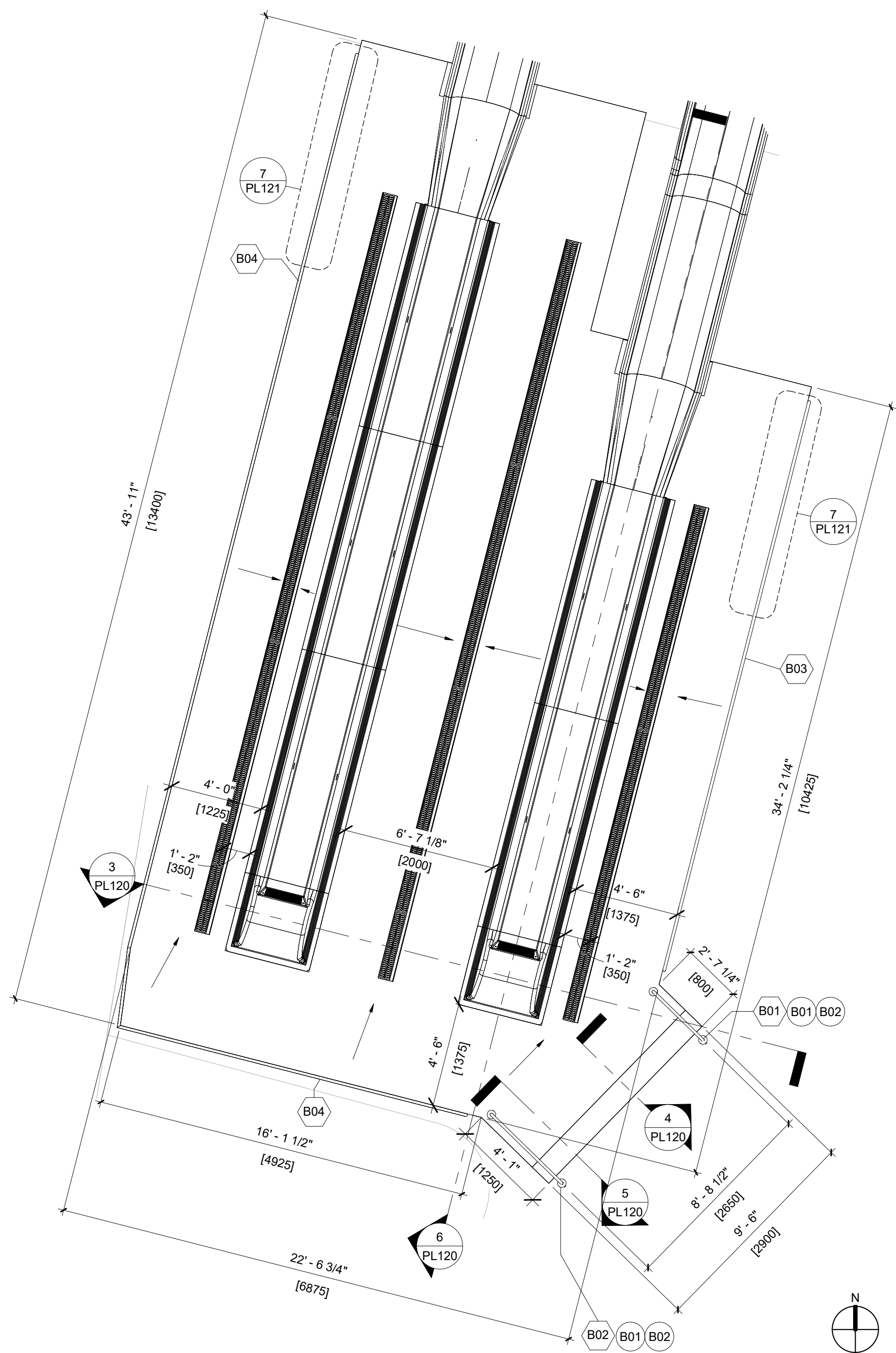
- STANDARD SLIDE NOTES:**
- INCLUDE A LOCKING GATE AT ENTRY TO STAIR TOWER
 - PROVIDE DECK MOUNTED RAILING SYSTEM AROUND ANY OBSTRUCTION FROM SLIDE OR SUPPORT SYSTEM WHICH ARE LOWER THAN 7'-0" FROM DECK ELEVATION.
 - SEE SLIDE MANUFACTURER'S DRAWINGS FOR FOOTINGS AND PIERS TO BE INCLUDED IN THE BASE BID.



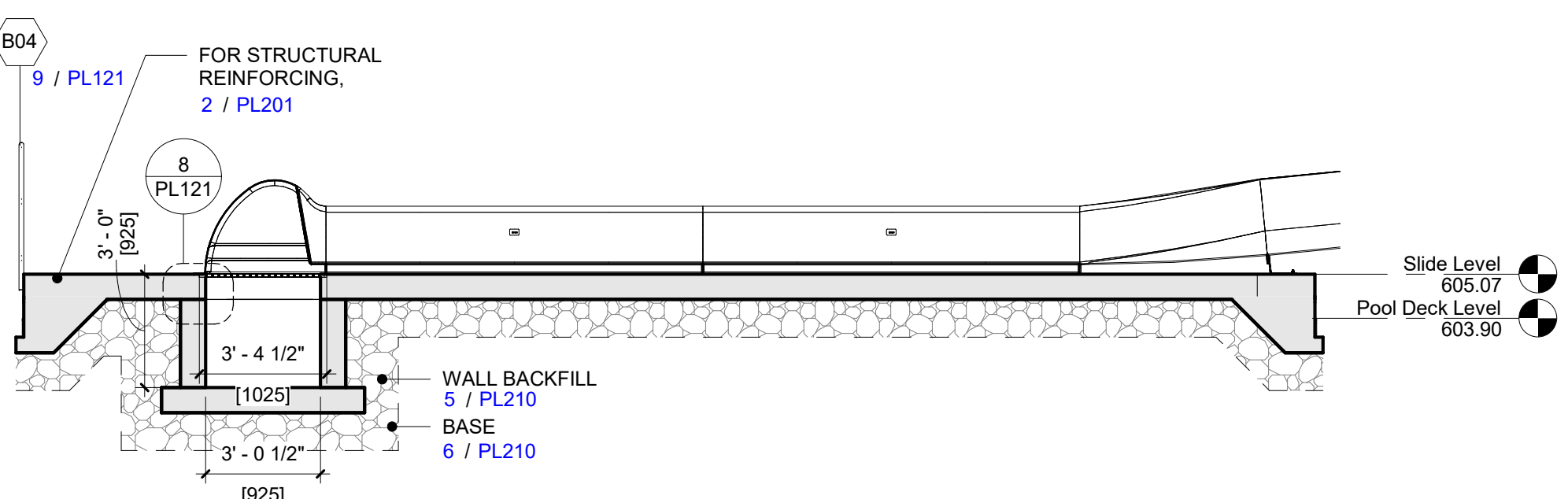
4 | SLIDE STAIR SECTION VIEW
1" = 1'-0"



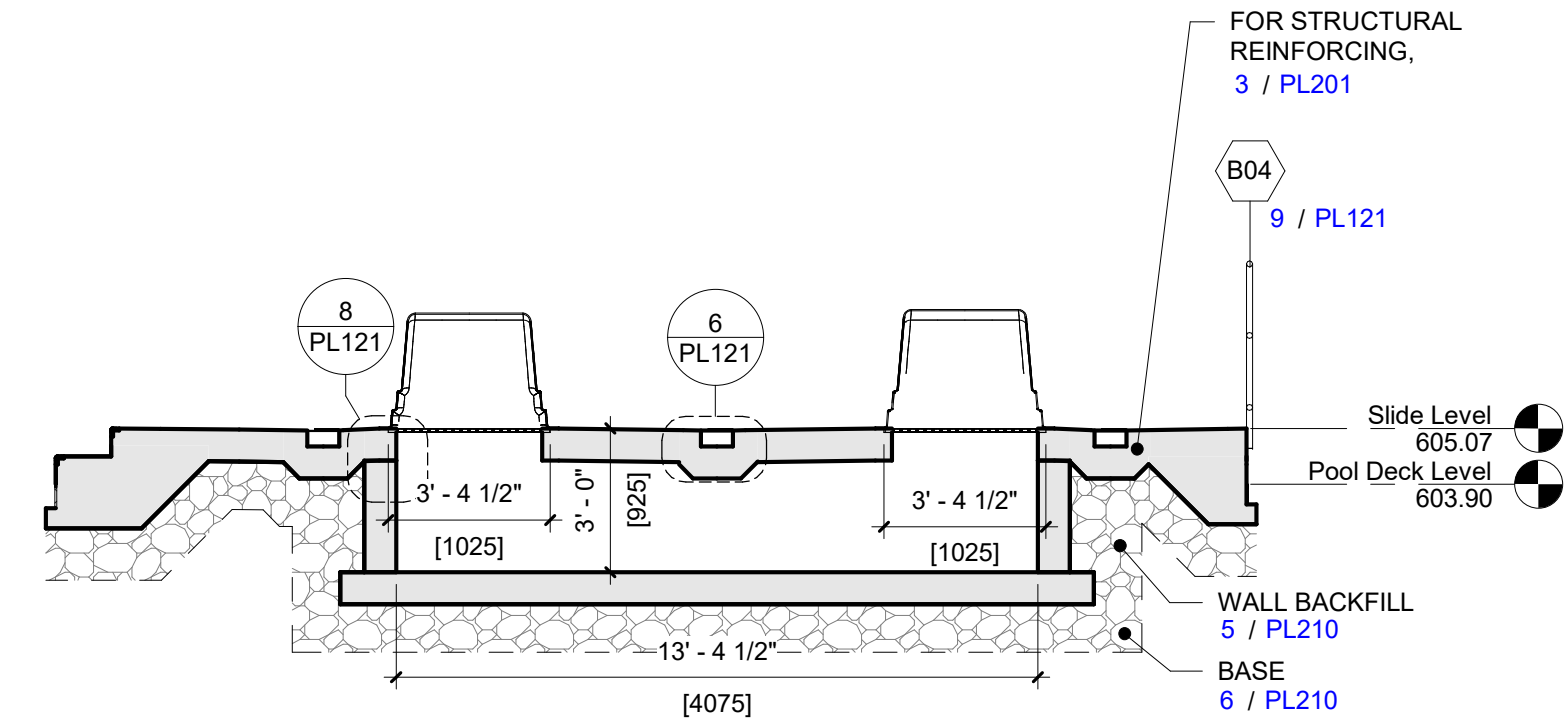
5 | SLIDE STAIR SECTION VIEW
3/4" = 1'-0"



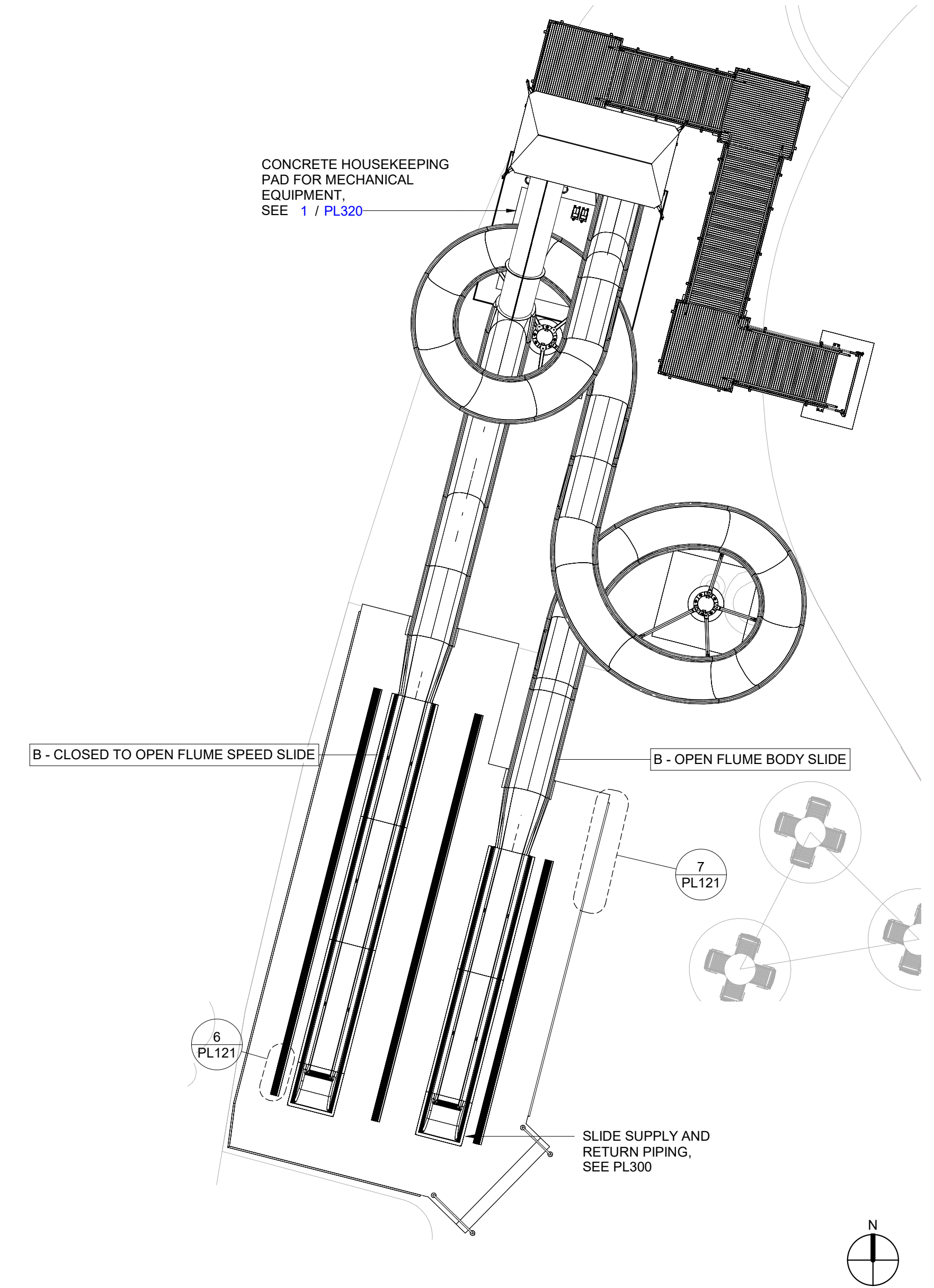
2 | POOL B - ENLARGED SLIDE SUMP PLAN VIEW
1/4" = 1'-0"



6 | SLIDE SUMP SECTION VIEW
1/4" = 1'-0"

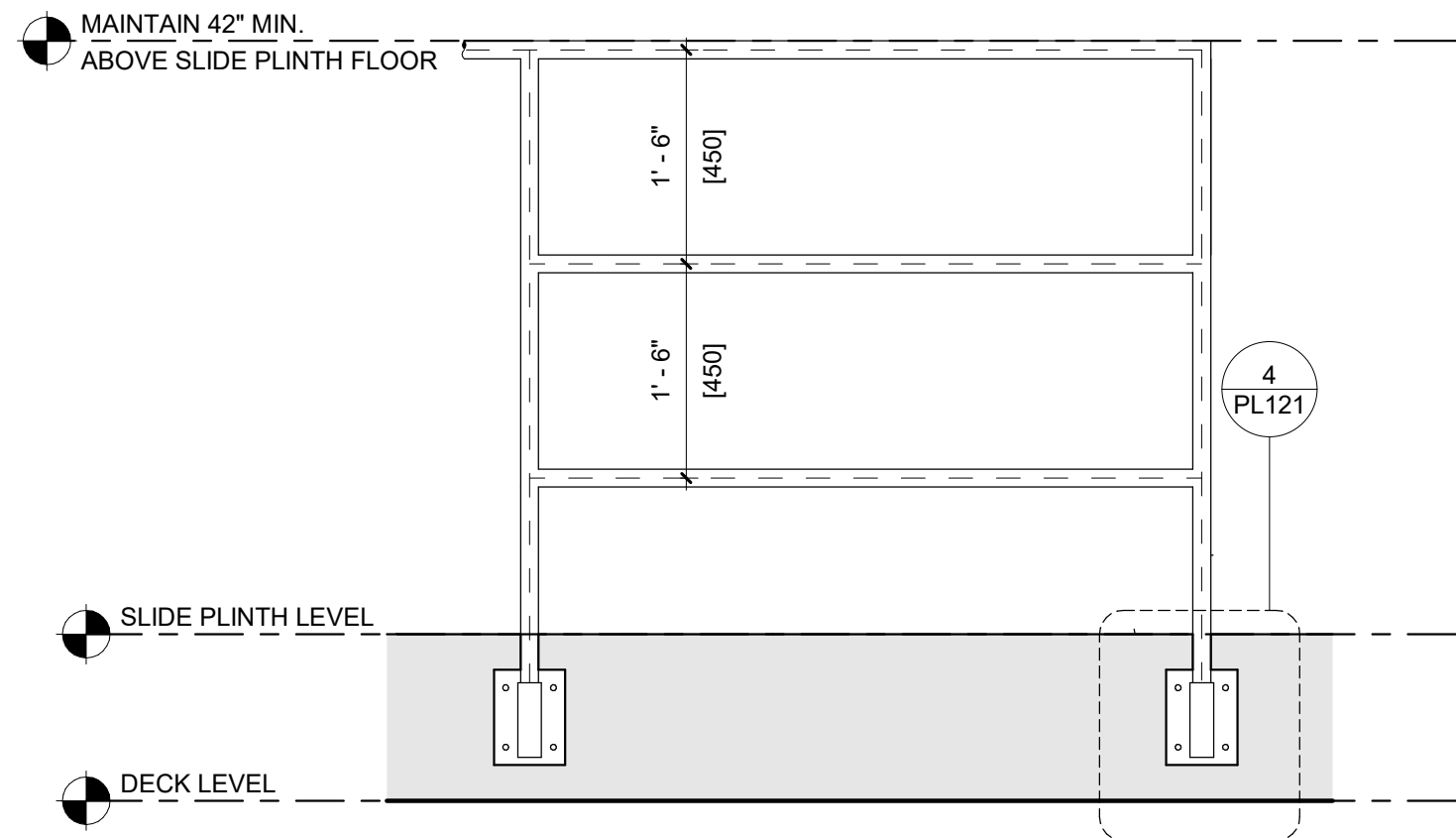


3 | SLIDE SUMP SECTION VIEW
1/4" = 1'-0"

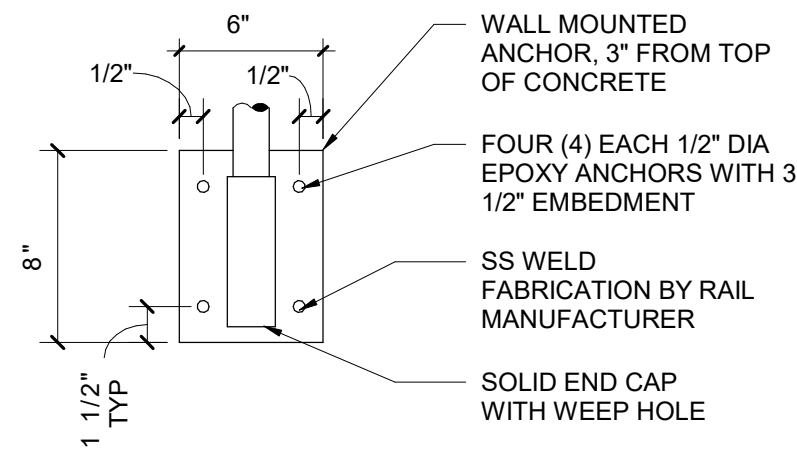


1 | POOL B - SLIDE COMPLEX PLAN VIEW
1/8" = 1'-0"

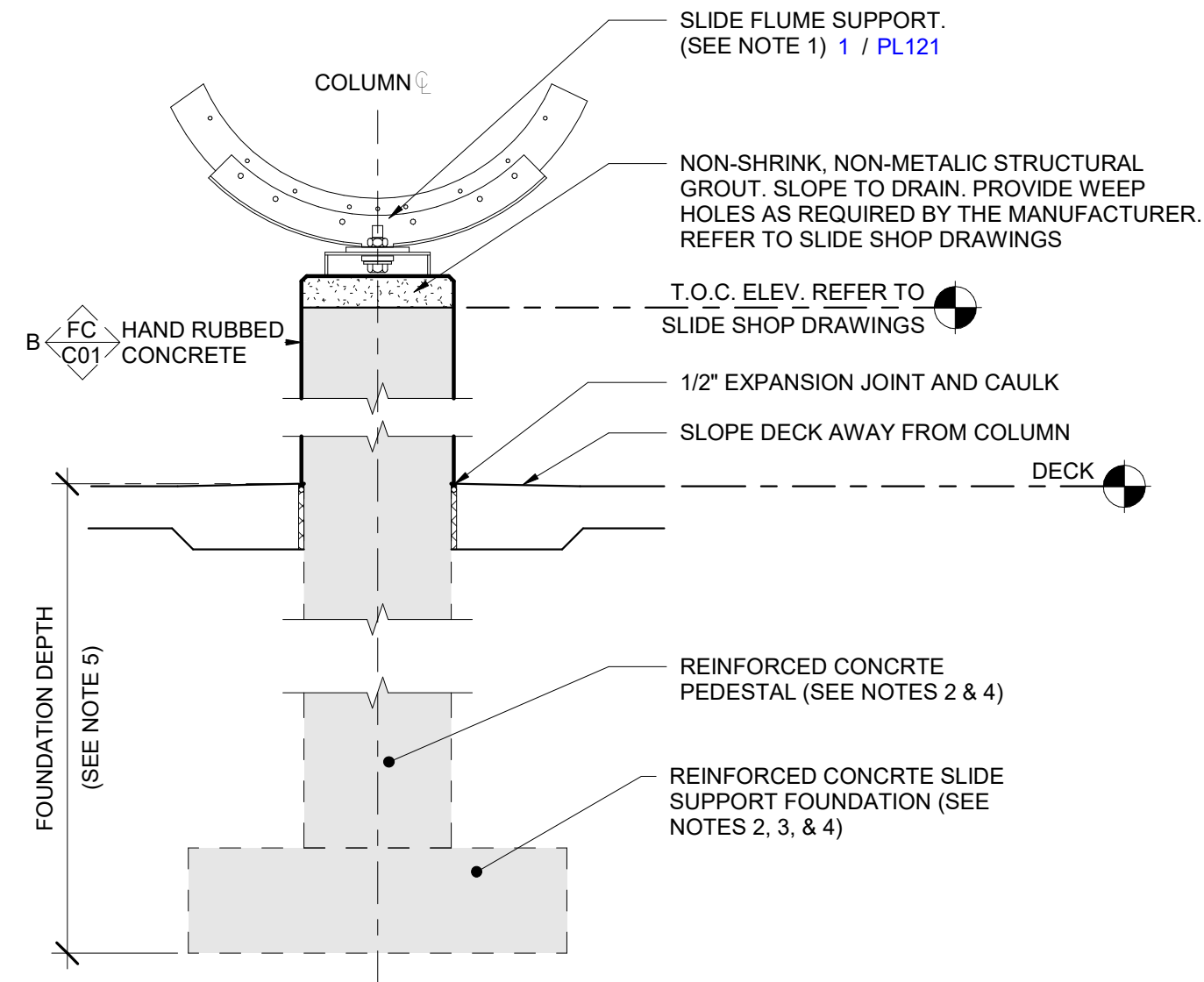
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7 | RECESSED RAILS
DETAIL VIEW
3/4" = 1'-0"



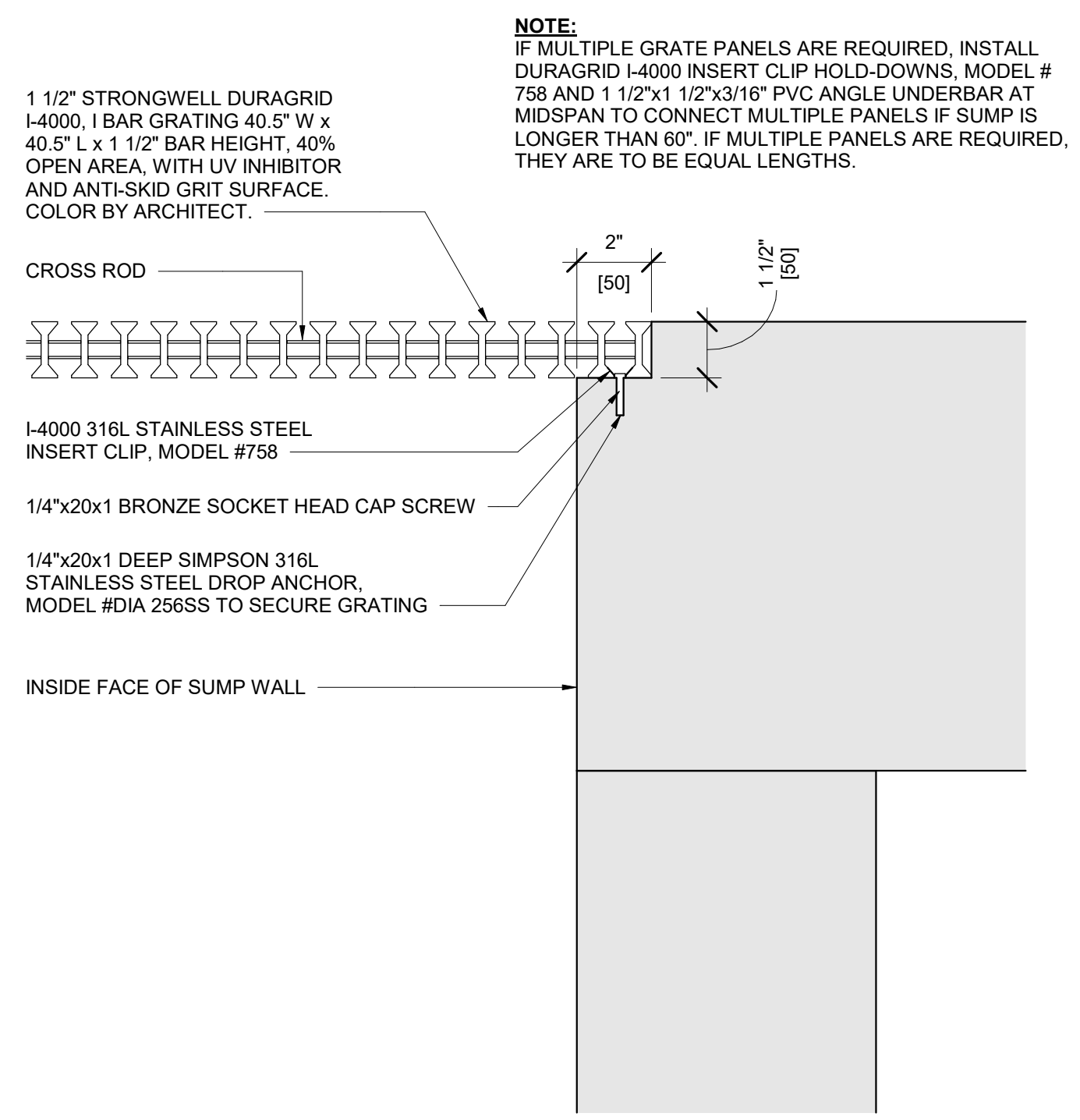
4 | RECESSED RAIL DETAILS
DETAIL VIEW
3/4" = 1'-0"



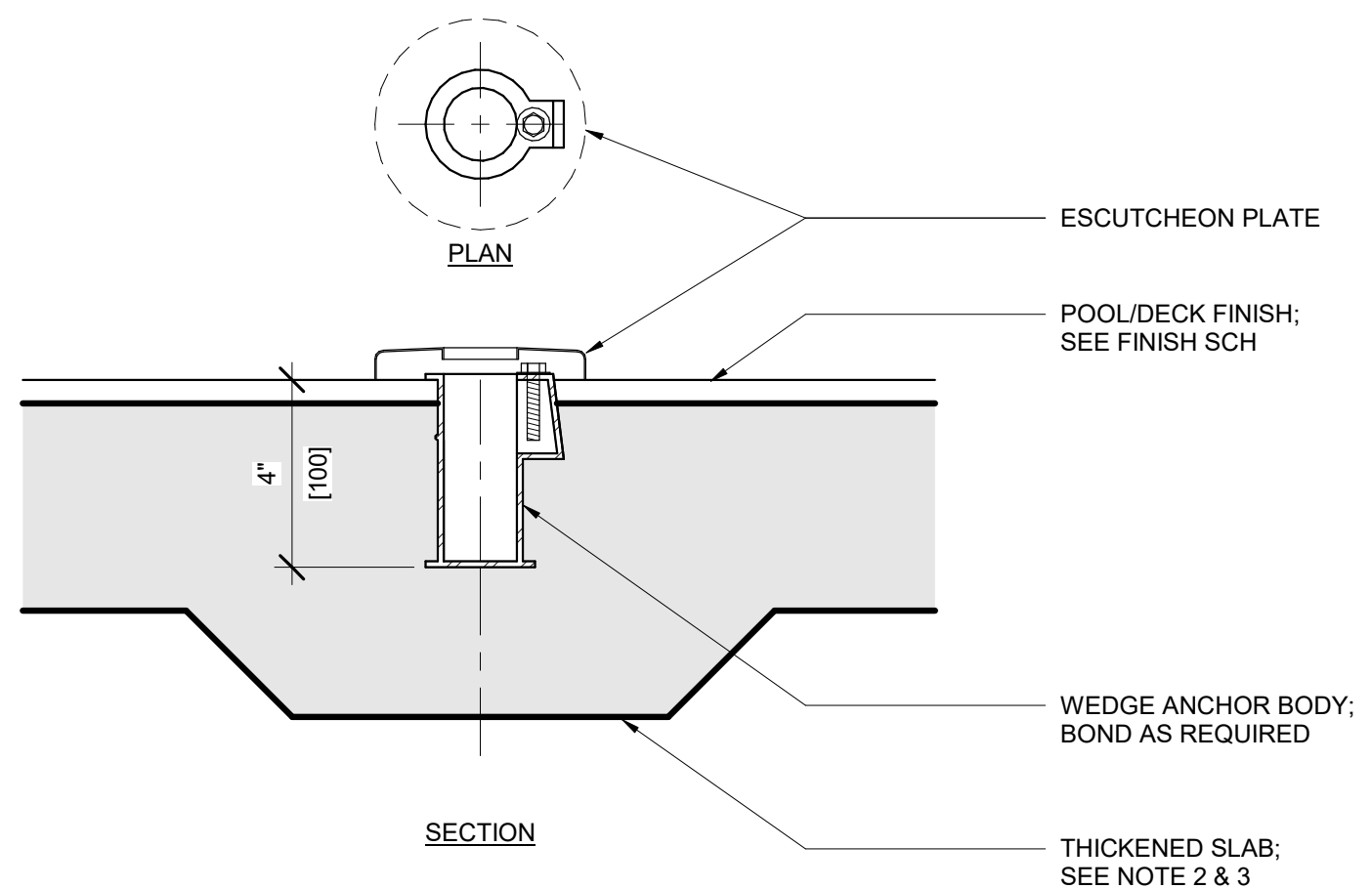
3 | SLIDE FLUME SUPPORT
DETAIL VIEW
3/4" = 1'-0"

- SLIDE COLUMN & FLUME SUPPORT NOTES:**
- DESIGN AND INSTALLATION OF SLIDE FIBERGLASS, SLIDE TOWER, AND STEEL SUPPORT SYSTEM SHALL BE THE RESPONSIBILITY OF THE SLIDE VENDOR. STRUCTURAL DESIGN OF CONCRETE SLIDE SUPPORT PEDESTALS & FOUNDATIONS SHALL BE BY THE SLIDE VENDOR IN COMPLIANCE WITH THE PROJECT GEOTECHNICAL REPORT. DETAILS PROVIDED ARE REPRESENTATIVE OF SPREAD FOOTINGS, THEY ARE NOT SITE SPECIFIC, AND MAY NOT REFLECT THE FINAL ENGINEERED FOUNDATION TYPE. POOL CONTRACTOR SHALL REFER TO SLIDE VENDOR ENGINEER'S STRUCTURAL SHOP DRAWINGS FOR FINAL DETAILS & SPECIFICATIONS, INCLUDING PEDESTAL & FOUNDATION SIZES, ELEVATIONS AND REINFORCING STEEL.
 - SLIDE FOUNDATION DESIGN SHALL BE COORDINATED SUCH THAT SLIDE LOADS DO NOT SURCHARGE BUILDING, POOLS, POOL PIPING, OR OTHER NEARBY STRUCTURES. GENERAL CONTRACTOR, POOL CONTRACTOR, & SLIDE VENDOR/INSTALLER SHALL COORDINATE SLIDE TOWER & SLIDE SUPPORT SYSTEM INSTALLATION, INCLUDING CONCRETE EMBEDS, REINFORCEMENT AND ANCHORS. ALL EXCAVATION FOR SLIDE FOUNDATIONS SHALL BE PERFORMED BY THE POOL CONTRACTOR AND COORDINATED WITH THE GENERAL CONTRACTOR & SLIDE VENDOR/INSTALLER. SEE SLIDE VENDOR ENGINEER'S STRUCTURAL SHOP DRAWINGS FOR FOUNDATION DEPTHS AND SIZES.

1 | SLIDE COLUMN & FLUME SUPPORT NOTES
DETAIL VIEW
NONE

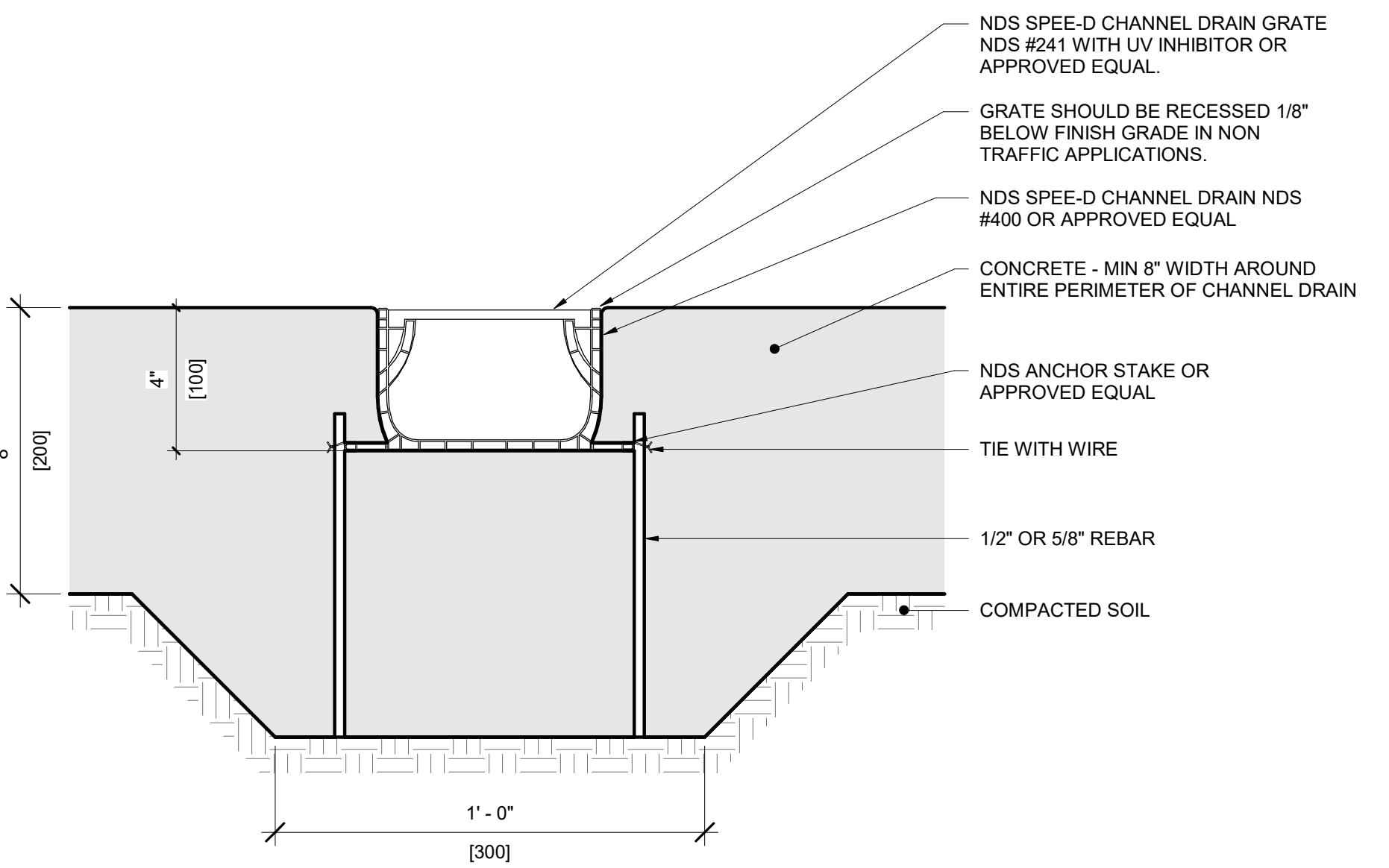


8 | SUMP GRATING
DETAIL VIEW
3/4" = 1'-0"

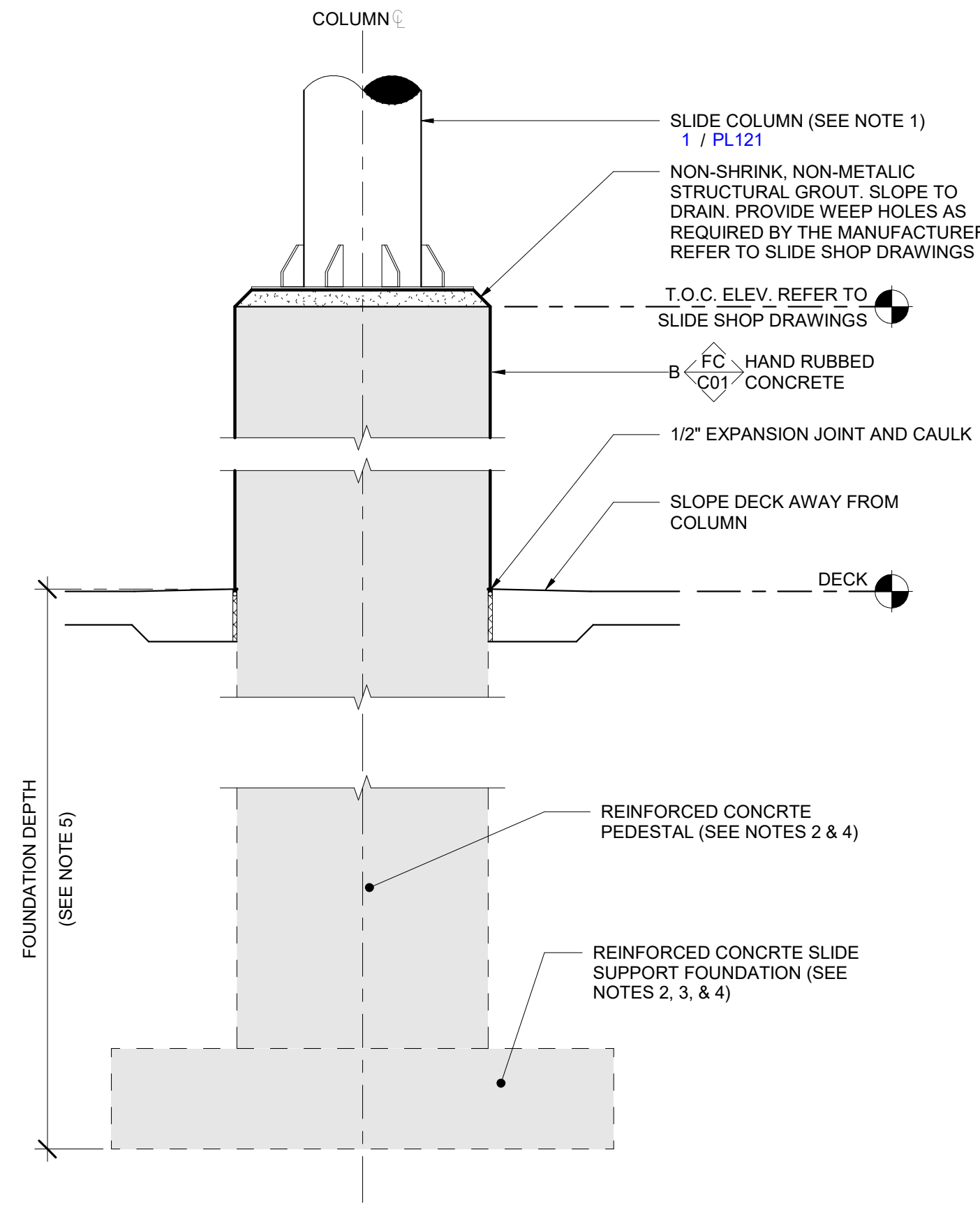


5 | ANCHOR - WEDGE
DETAIL VIEW
3/4" = 1'-0"

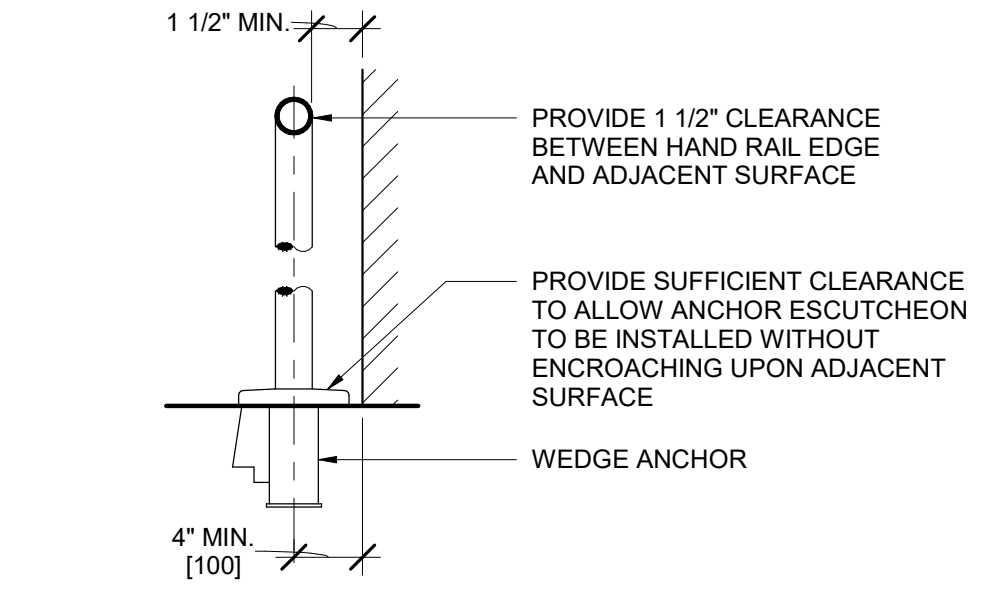
- NOTES:**
- INSTALL ANCHORS IN LINE WITH RAIL. CONCRETE CLEAR COVER AT ANCHOR SHALL BE 3" MINIMUM. THICKEN SLAB IF NECESSARY TO ACHIEVE MIN COVER.
 - WHEN SECOND LAYER OF CONCRETE IS LOCATED DIRECTLY BELOW SLAB IN WHICH ANCHOR IS PLACED (I.E. STAIRS), CLEAR COVER OF CONCRETE AT ANCHOR IN UPPER SLAB SHALL BE 2" MIN.



6 | TRENCH DRAIN
DETAIL VIEW
3/4" = 1'-0"



2 | SLIDE COLUMN SUPPORT
DETAIL VIEW
3/4" = 1'-0"

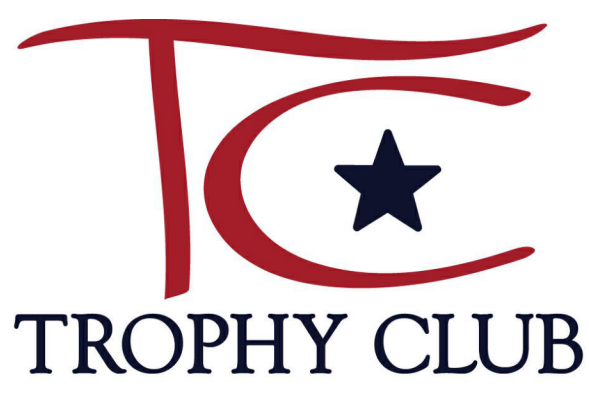


9 | RAILING OFFSET TO ADJACENT SURFACE
DETAIL VIEW
3/4" = 1'-0"

- NOTES:**
- CONTRACTOR TO PURCHASE AND INSTALL RAIL GOODS IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS OF PARTIES HAVING JURISDICTION.
 - CONTRACTOR TO VERIFY HANDRAIL DIMENSIONS PRIOR TO FABRICATION.



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DESIGN IS IN ACCORDANCE WITH THE STATE OF TEXAS AND THE 2021 INTERNATIONAL BUILDING CODE AS AMENDED TO DATE.

NOTE

STRUCTURAL DRAWINGS AND POOL DRAWINGS MUST BE USED IN CONJUNCTION WITH EACH OTHER. POOL DRAWINGS DICTATE ALL FINAL CONDITIONS OF POOL, FEATURES, AND DIMENSIONS OF POOL SHELL, INCLUDING POOL FINISH. UNLESS OTHERWISE INDICATED, STRUCTURAL DIMENSIONS ARE CONCRETE TO CONCRETE, AND DICTATE REQUIRED THICKNESSES FOR STRUCTURAL INTEGRITY ONLY.

GEOTECHNICAL PARAMETERS

ASSUMED SOIL PARAMETERS FOR POOL STRUCTURAL DESIGN

- POOL DESIGNED FOR THE EMPTY AND FULL CONDITIONS.
- POOL BEING CONSTRUCTED IN THE FOOTPRINT OF AN EXISTING POOL AND POOL DECK AREA. REMOVAL OF THE EXISTING STRUCTURES AND PREPARATION OF THE SUBGRADE BELOW THE NEW POOLS IS BY OTHERS. A GEOTECHNICAL ENGINEER SHALL BE ENGAGED TO PROVIDE SUBGRADE PREPARATION RECOMMENDATIONS TO MEET THE ASSUMED PARAMETERS FOR THE POOL DESIGN AS NOTED BELOW. IF ANY OF THE CRITERIA LISTED BELOW ARE NOT MET THEN THE POOL'S STRUCTURAL DESIGN SHOULD BE RE-EVALUATED BY THE POOL STRUCTURAL ENGINEER. THE GEOTECHNICAL ENGINEER'S FINDINGS AND RECOMMENDATIONS SHALL BE SUBMITTED TO THE POOL ENGINEER FOR REVIEW PRIOR TO FABRICATION AND CONSTRUCTION.
 - SOIL BEARING CAPACITY 2,500 PSF MINIMUM
 - AT-REST EQUIVALENT FLUID PRESSURE 55 PSF/FT MAXIMUM
 - SOIL GROUNDWATER TABLE ELEVATION BELOW BOTTOM OF POOL FLOOR
 - SETTLEMENT AND/OR PVR DOES NOT EXCEED 1/2" TOTAL MOVEMENT AND 1/4" DIFFERENTIAL MOVEMENT

STRUCTURAL AND REINFORCEMENT NOTES

STRUCTURAL NOTES

- REINFORCEMENT AT WALL CORNERS AND WALL BENDS SHALL BE DETAILED PER THE ASSOCIATED TYPICAL DETAILS. CORNER AND BEND BARS SHALL BE THE SAME SIZE AND SPACING AS THE TYPICAL HORIZONTAL WALL REINFORCING OF THE ASSOCIATED WALLS.
- UNLESS OTHERWISE INDICATED, ALL WALL REINFORCEMENT BARS SHALL BE CONTINUOUS AROUND CORNERS. REINFORCEMENT SHALL BE EXTENDED INTO CONNECTING WALLS, UNLESS OTHERWISE INDICATED. CONTRACTOR MAY SPLICE CONTINUOUS SLAB BARS AT LOCATIONS OF THEIR CHOOSING, EXCEPT THAT TOP BAR SPLICES SHALL BE LOCATED AT MID-SPAN AND BOTTOM BAR SPLICES SHALL BE LOCATED AT SUPPORTS. ALL REINFORCEMENT BENDS AND LAPS, UNLESS OTHERWISE INDICATED, SHALL SATISFY THE MINIMUM REQUIREMENTS FOR CLASS B SPLICES.
- FOR REINFORCEMENT AT WALL OR FLOOR SLAB PENETRATIONS. SEE 2 / PL200
- MINIMUM POURED CONCRETE DESIGN STRENGTH = 4500 PSI, MINIMUM SHOTCRETE DESIGN STRENGTH = 5000 PSI

REINFORCEMENT NOTES: 60KSI, A615, DEFORMED BARS

- REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI "MANUAL OF CONCRETE PRACTICE", LATEST EDITION, UNLESS OTHERWISE NOTED.
- ALL LAPS SHALL BE CLASS "B" PER ACI 318 UNLESS OTHERWISE NOTED ON THE DESIGN DRAWINGS. USE TOP BAR LAP LENGTHS FOR ALL HORIZONTAL WALL BARS AND FOR TOP BARS IN SLABS AND BEAMS OVER 14" DEEP.
- LAP LENGTH SHALL BE SPECIFICALLY NOTED ON PLACING DRAWINGS WHERE MORE THAN ONE BAR MAKES UP A CONTINUOUS STRING.
- TIE POOL REINFORCING STEEL WITH 18-GAUGE ANNEALED WIRE AS SPECIFIED IN THE CRSI 63 RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS. ALL TIE WIRES SHALL BE "MADE TIGHT" FOR ELECTRICAL BONDING PURPOSES, AS REQUIRED PER 1 / PL101.
- ALL HOOKS SHALL BE STANDARD HOOKS UNLESS NOTED OTHERWISE.
- REINFORCING IN SINGLE MAT SECTIONS SHALL BE CENTERED IN THE SECTION, UNLESS SHOWN OTHERWISE IN DETAILS.

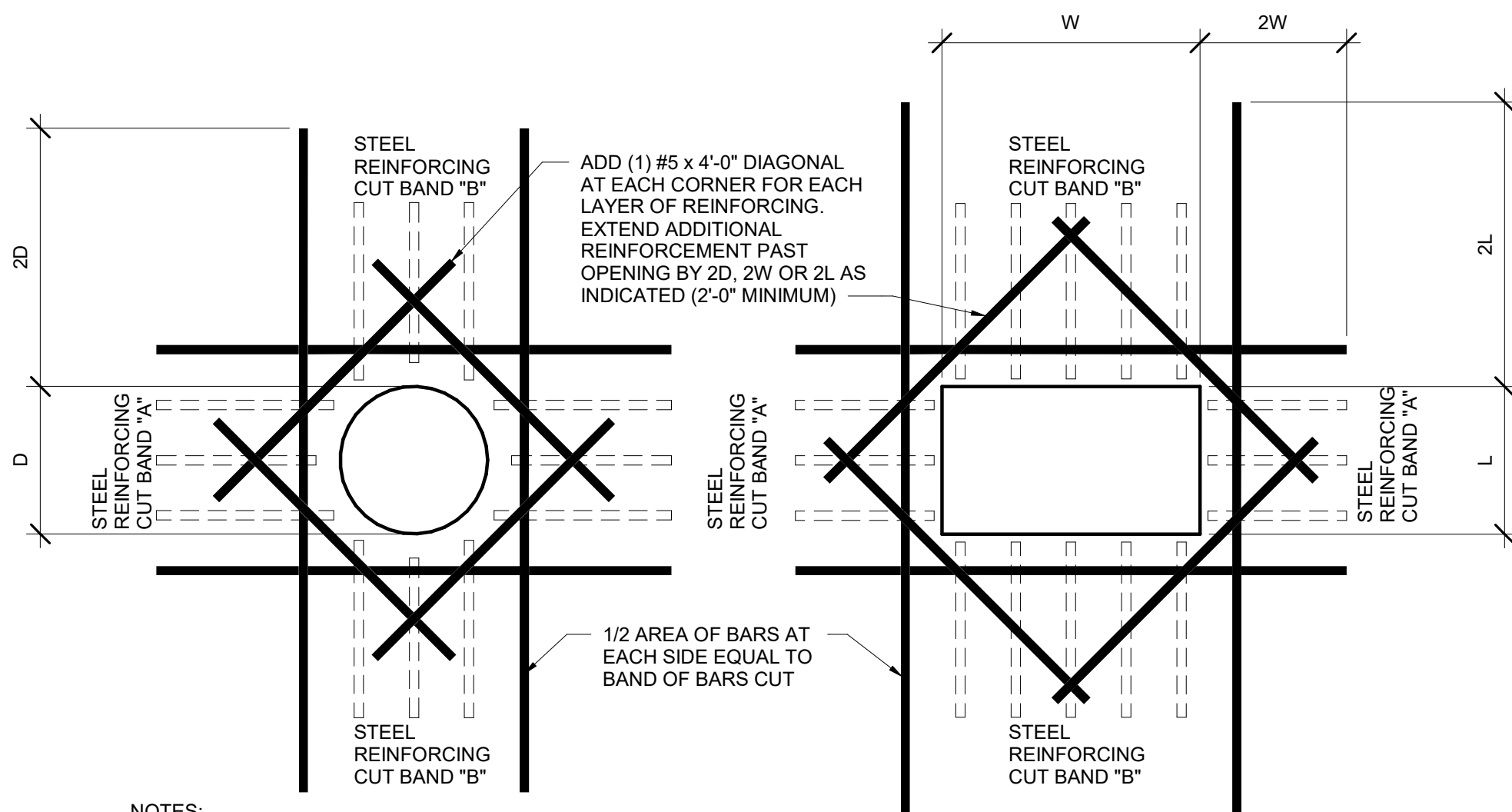
REINFORCING STEEL MINIMUM CLEAR COVER REQUIREMENTS

COORDINATE WITH REINFORCEMENT STEEL PLACING REQUIREMENTS

- 3" FOR CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH
- 2" TYPICAL ALL ELSE, UNLESS NOTED OTHERWISE ON DETAILS

REINFORCEMENT CLASS "B" LAP LENGTHS

BASED UPON 4500 PSI CONCRETE AND 60 KSI REINFORCING STEEL



NOTES:

- TYPICAL FOR ALL OPENINGS IN CONCRETE WALLS AND SLABS INCLUDING DRAINS UNLESS INDICATED OTHERWISE ON PLANS.
- DO NOT WELD REINFORCEMENT TO PIPE SLEEVES AND INSERTS.
- ALL OPENINGS THROUGH WATERTIGHT TANK REQUIRE WATERSTOPS.
- PROVIDE MINIMUM LAP AS NOTED OR SHOWN ON PLANS (TYPICAL).

2 REINFORCING - REINFORCEMENT AT OPENINGS
DETAIL VIEW
NOT TO SCALE

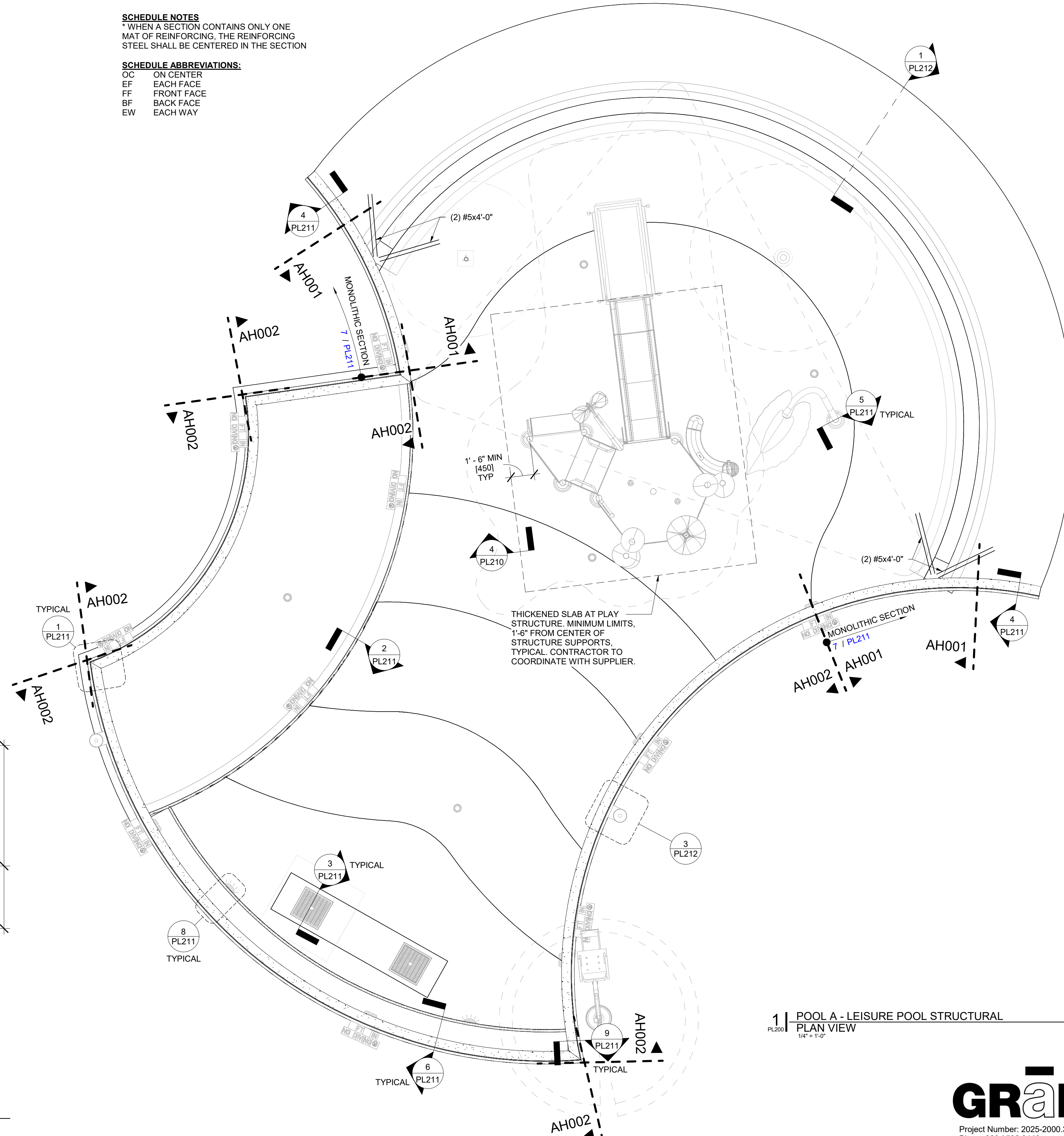
SCHEDULE - STRUCTURAL REQUIREMENTS - POOL A

Detail	Pool ID	APPLICABLE STRUCTURAL WALL HEIGHT RANGE (FOR PLAN REFERENCE ONLY)			WALL					FLOOR					
		Wall Height Range ID	Minimum Applicable Wall Height	Maximum Applicable Wall Height	Thickness	# of Mats of Reinforcement	Horizontal Reinforcement	Vertical Reinforcement	B Freeboard Height	C Backfill Thickness	D Thickness	# of Mats of Reinforcement	Reinforcement	E Bedding Course Thickness	F Heel
2 / PL212	A	H001	0'-3 1/2"	1'-0"	0'-8"	1	#4@8" OC	#4@8" OC	VARIABLE	1'-0" MIN	0'-8"	1	#5@10" OC EW	1'-0" MN	NA
2 / PL212	A	H002	1'-0"	3'-6"	0'-8"	1	#4@8" OC	#4@8" OC	0'-6"	1'-0" MIN	0'-8"	1	#5@10" OC EW	1'-0" MN	0'-6"

SCHEDULE NOTES
* WHEN A SECTION CONTAINS ONLY ONE MAT OF REINFORCING, THE REINFORCING STEEL SHALL BE CENTERED IN THE SECTION

SCHEDULE ABBREVIATIONS:

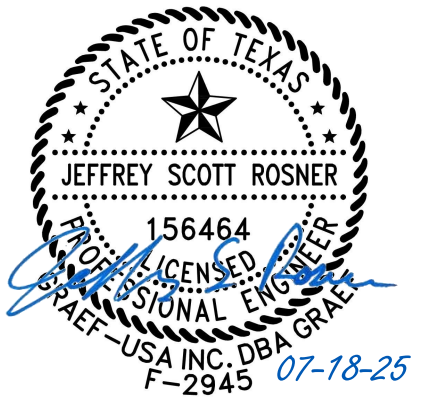
- OC ON CENTER
- EF EACH FACE
- FF FRONT FACE
- BF BACK FACE
- EW EACH WAY



1 POOL A - LEISURE POOL STRUCTURAL
PLAN VIEW
1/4" = 1'-0"



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- 07/21/2025 Issue for Proposal

DATE DESCRIPTION

**STRUCTURAL NOTES,
PLAN(S) AND
SCHEDULE
PL200**

7/18/2025 10:54:48 AM



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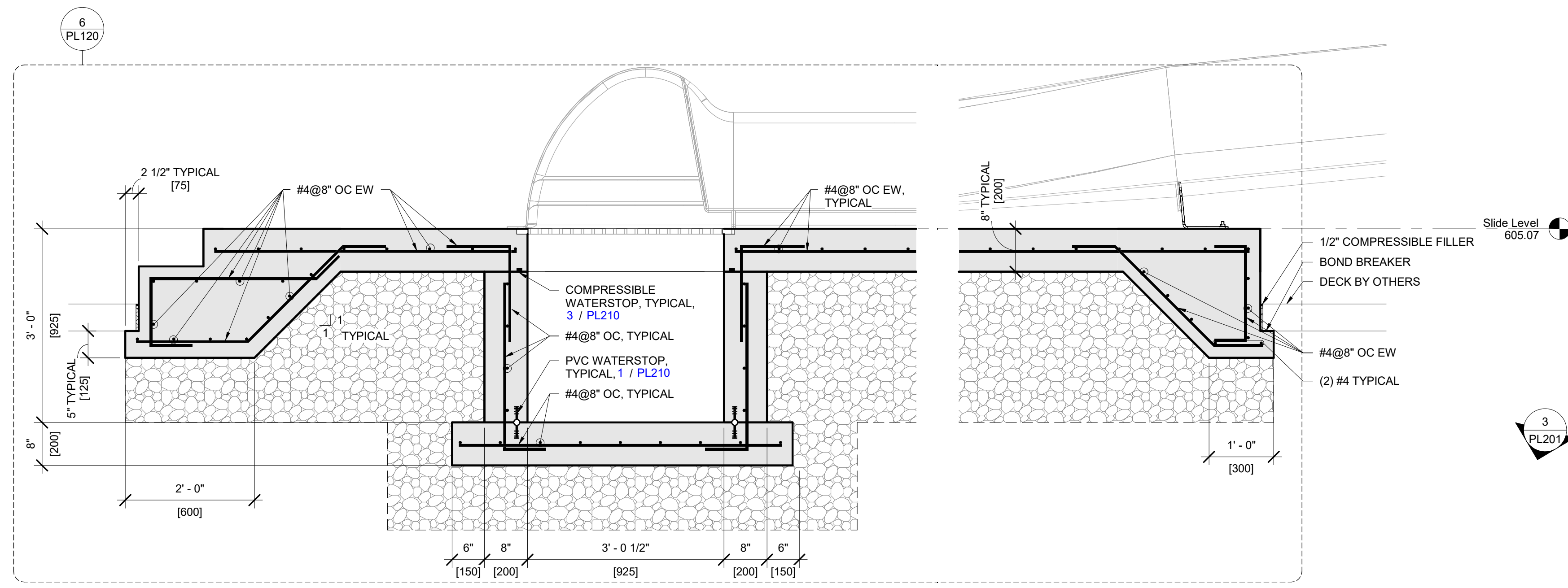
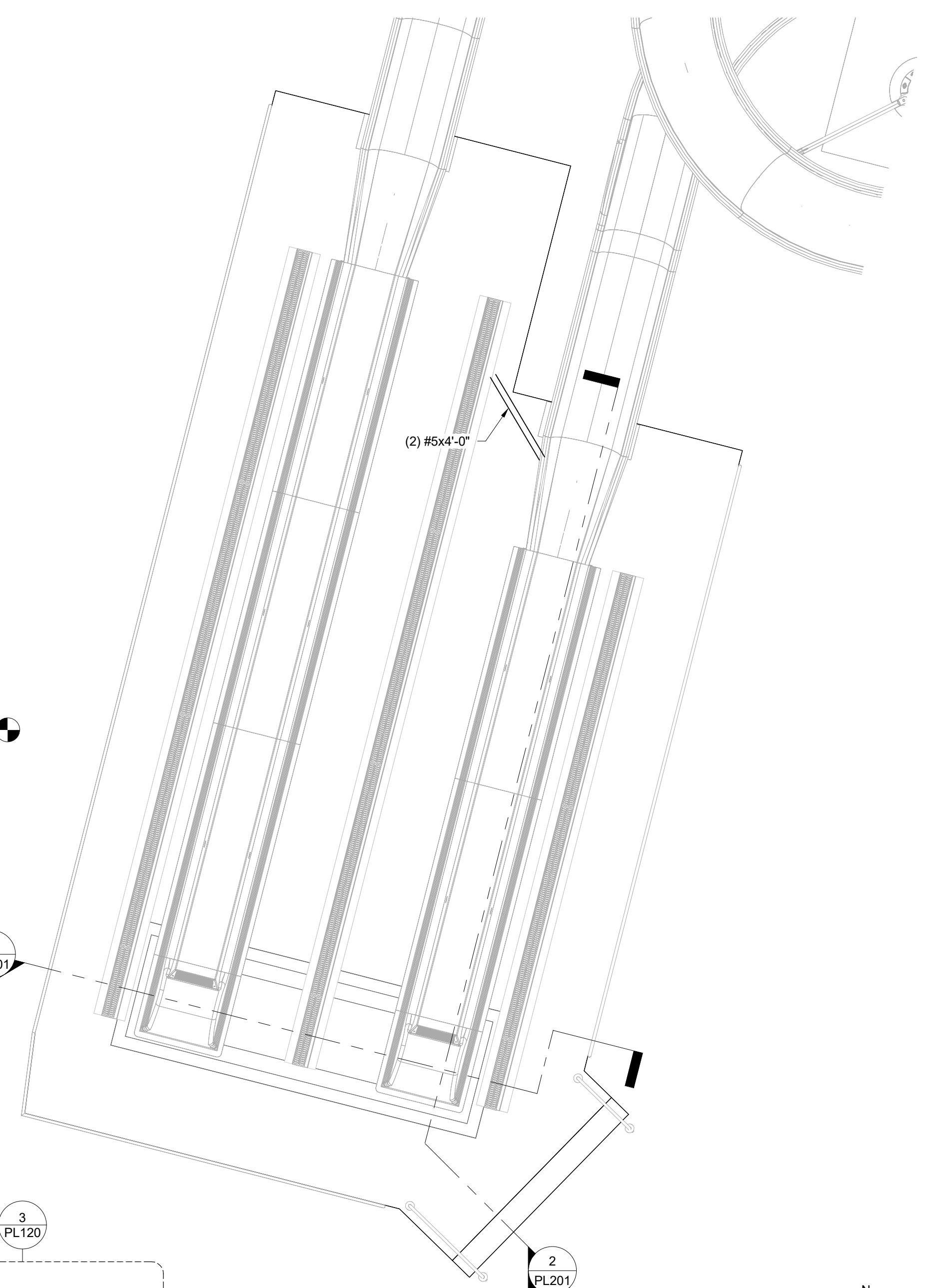
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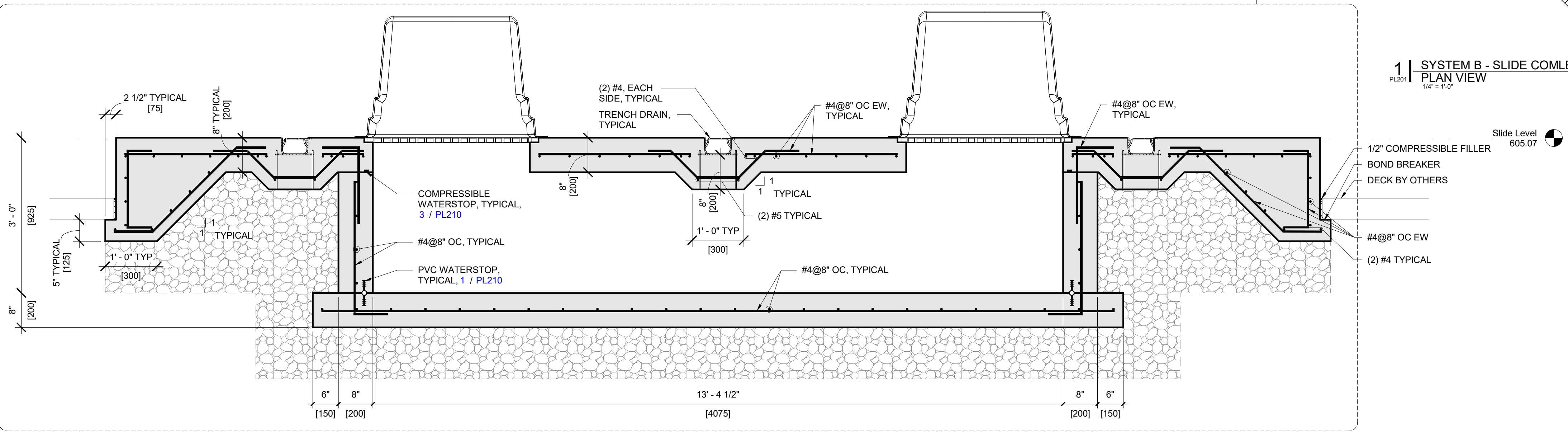
**STRUCTURAL PLAN(S)
AND SECTIONS**
PL201



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Phone 920 / 592 9440



2 | REINFORCING - SLIDE RUNOUT TANK
SECTION VIEW
3/4" = 1'-0"



3 | REINFORCING - SLIDE RUNOUT TANK
SECTION VIEW
3/4" = 1'-0"

1 | SYSTEM B - SLIDE COMPLEX STRUCTURAL
PLAN VIEW
1/4" = 1'-0"

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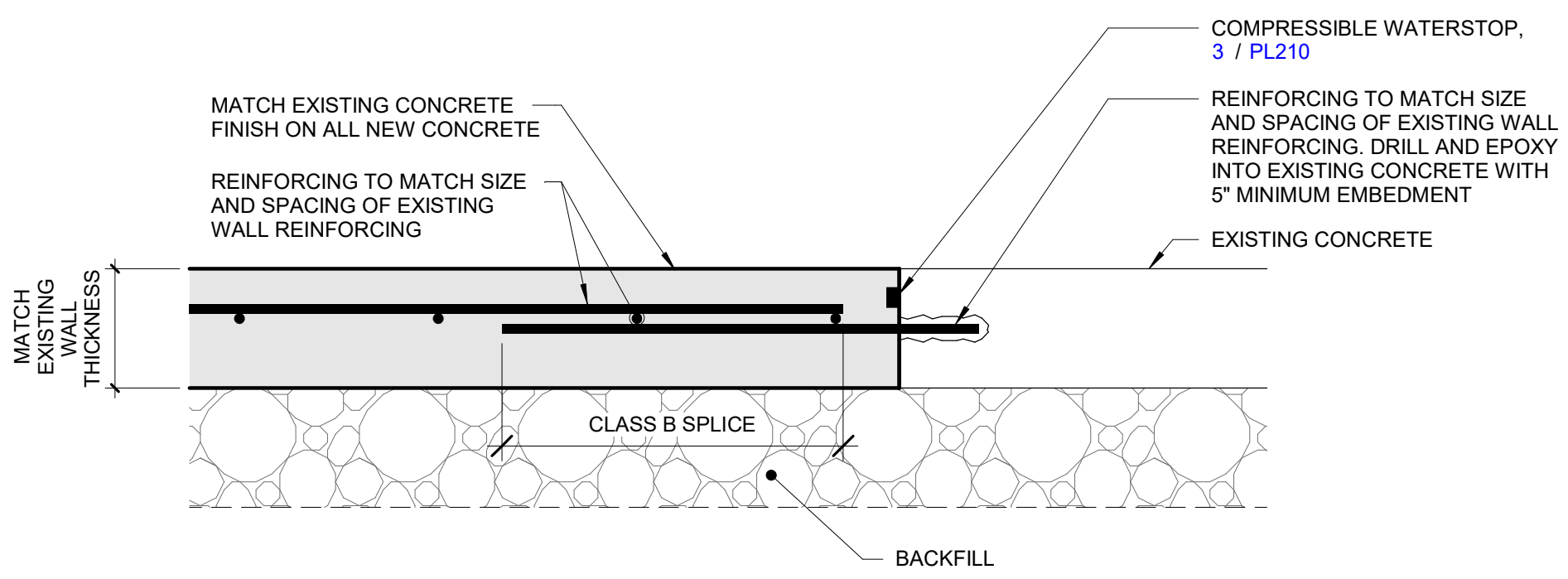
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1 EXISTING POOL STRUCTURAL
PLAN VIEW
1" = 10'-0"

- NOTES:**
- SCARIFY CONCRETE INTERFACE AND APPLY BONDING AGENT.
 - NEW CONCRETE SHALL CONTAIN SHRINKAGE REDUCING ADMIXTURE AND SHALL BE WET CURED PER SPECIFICATIONS.



2 EXISTING TO NEW CONCRETE TRANSITION
DETAIL VIEW
1/2" = 1'-0"



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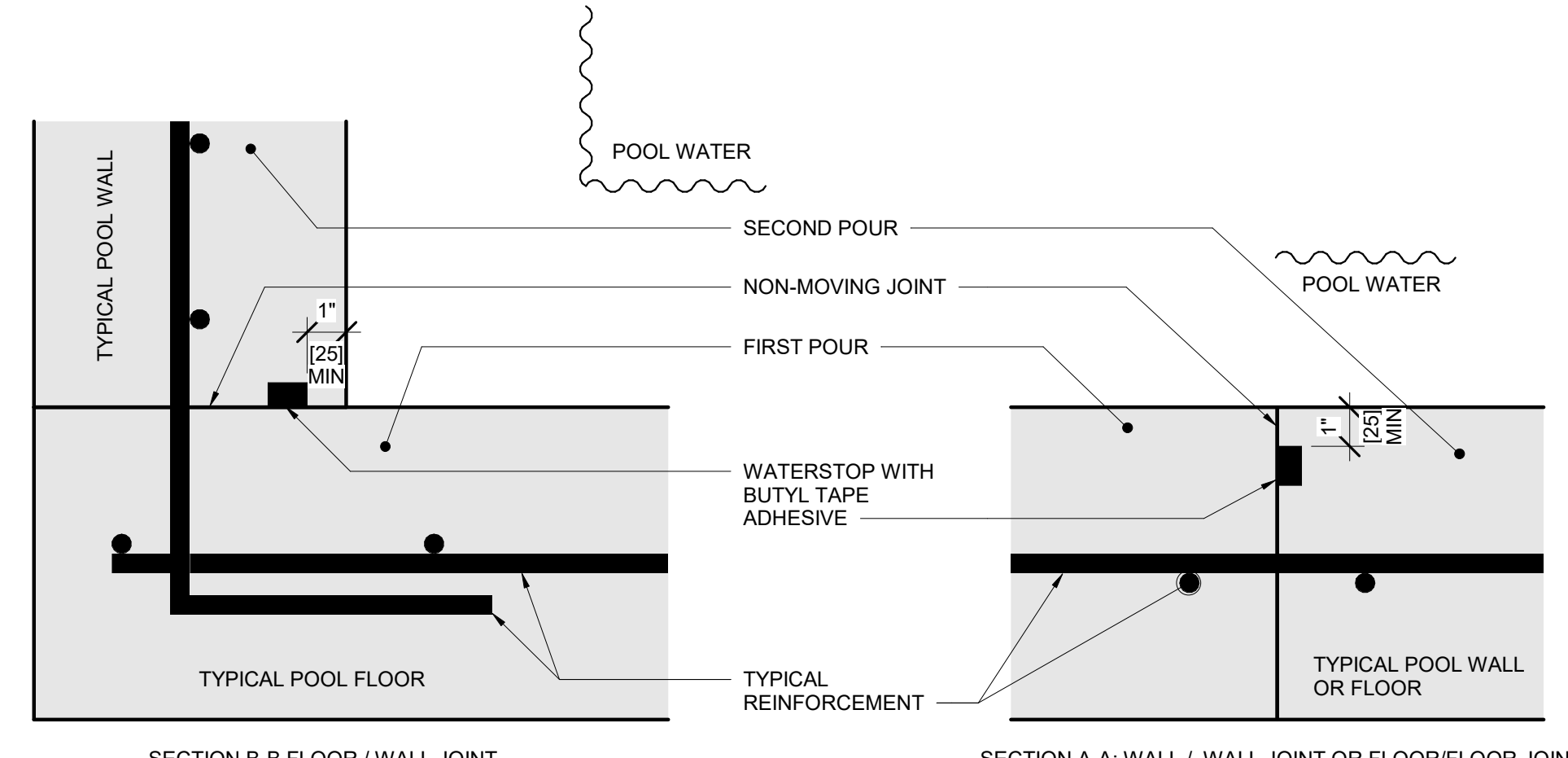


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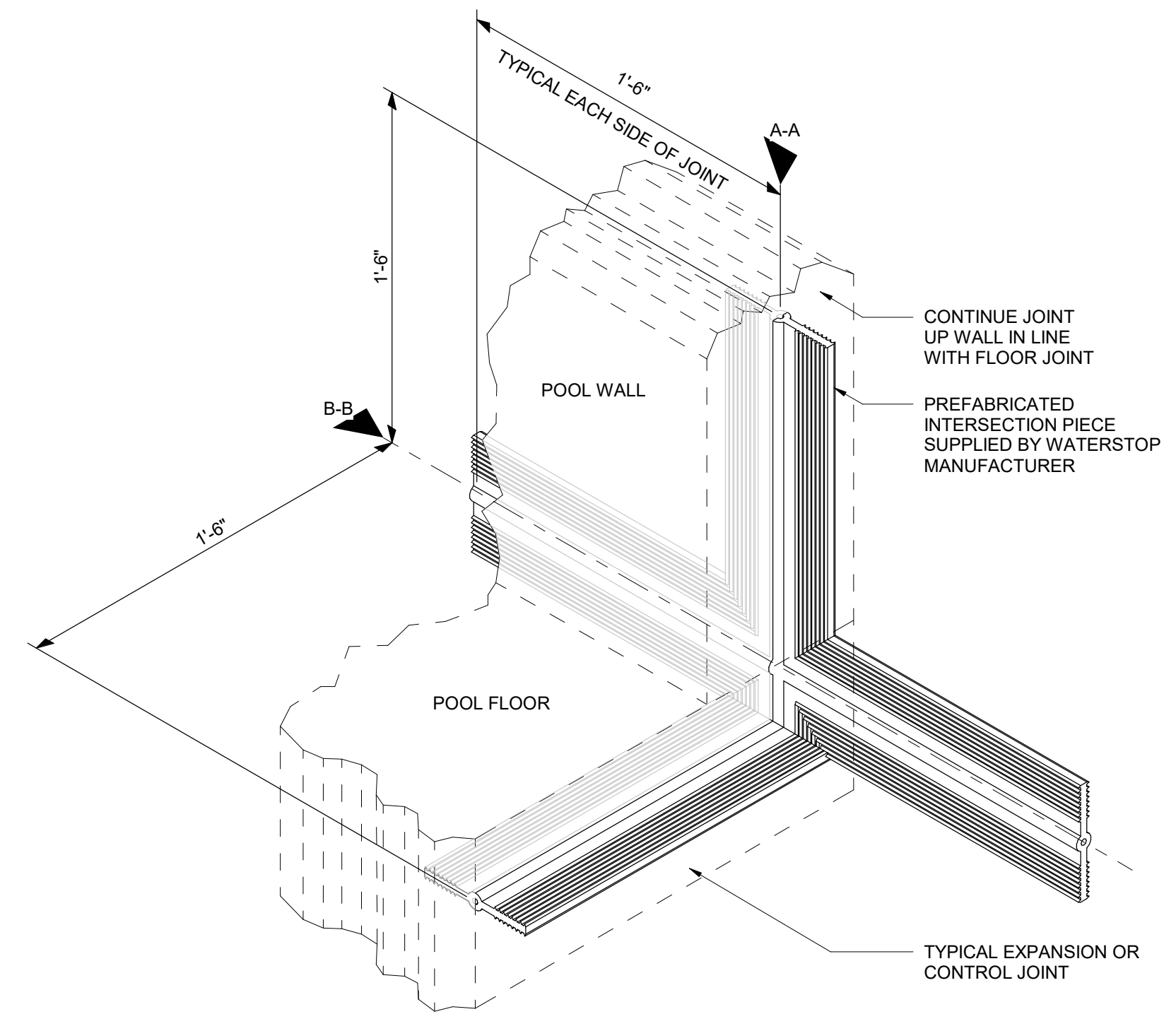
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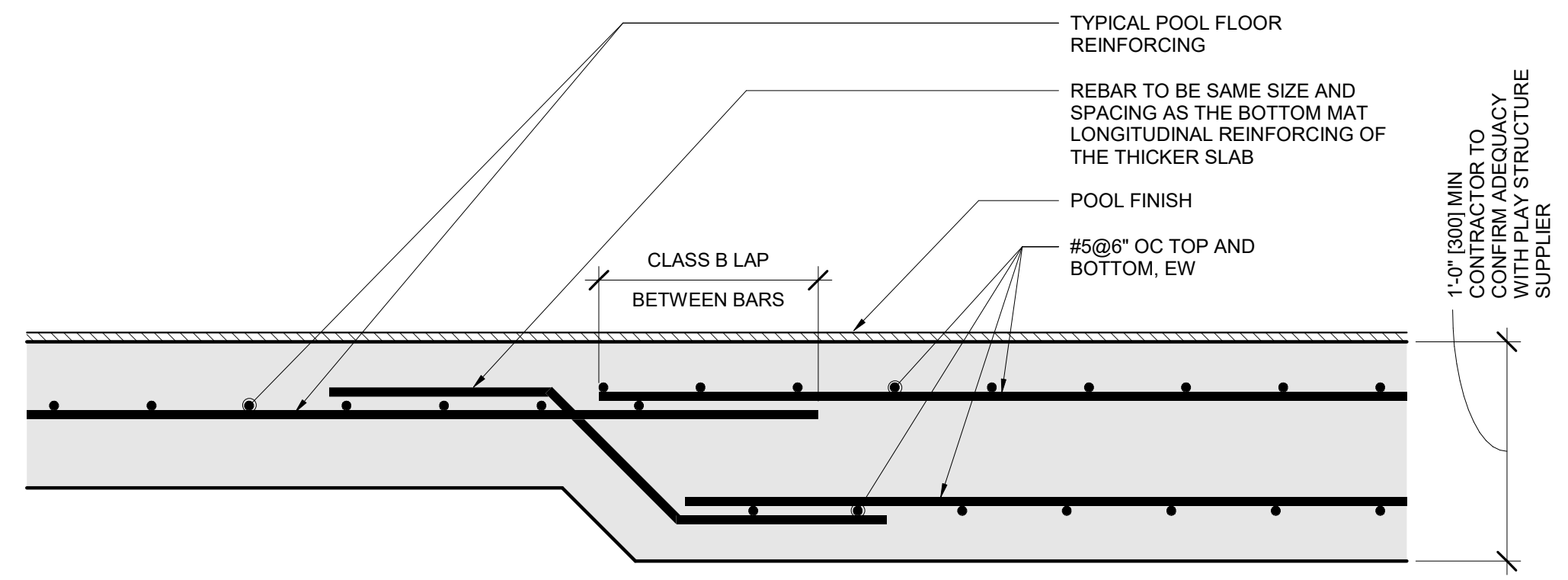


- NOTE:**
1. DETAIL IS SCHEMATIC AND INDICATES CLEARANCES AND INSTALLATION INFORMATION ONLY. FOR APPLICABLE INSTALLATION LOCATIONS SEE POOL STRUCTURAL DETAILS.
 2. BASIS OF DESIGN IS TYPE KBA-1510FP WATERSTOP BY ADEKA. SUBSTITUTIONS MUST BE APPROVED BY ENGINEER. NOTE THAT CLEARANCES FOR SUBSTITUTIONS MAY DIFFER. REFER TO MANUFACTURER REQUIREMENTS.
 3. INSTALL WATERSTOP ON WET SIDE(S) OF REINFORCEMENT.
 4. DIMENSION ABOVE IS A MIN FOR CONCRETE COVERAGE AND DOES NOT INCLUDE THE POOL FINISH. PROVIDE ADDITIONAL CONCRETE COVERAGE IF POSSIBLE.
 5. PROTECT WATERSTOP FROM WATER, DIRT, DEBRIS, AND DAMAGE PRIOR TO COVERING WITH CONCRETE.
 6. SEE SPECIFICATION SECTION 131120 FOR ADDITIONAL WATERSTOP REQUIREMENTS.

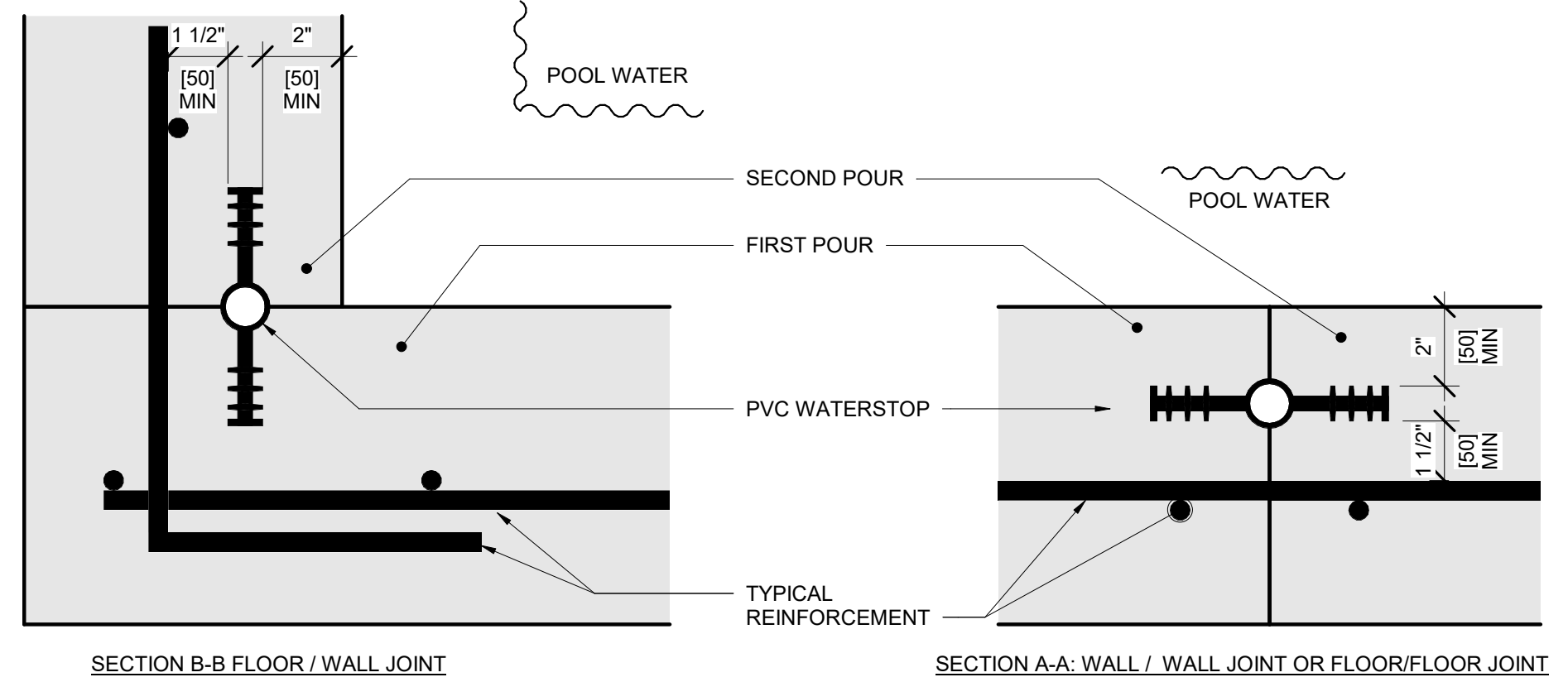


HORIZONTAL TO VERTICAL INSTALLATION @ TYPICAL JOINT

3 | WATERSTOP - COMPRESSIBLE NON-MOVING JOINT - ADEKA
PL210
DETAIL VIEW
NOT TO SCALE

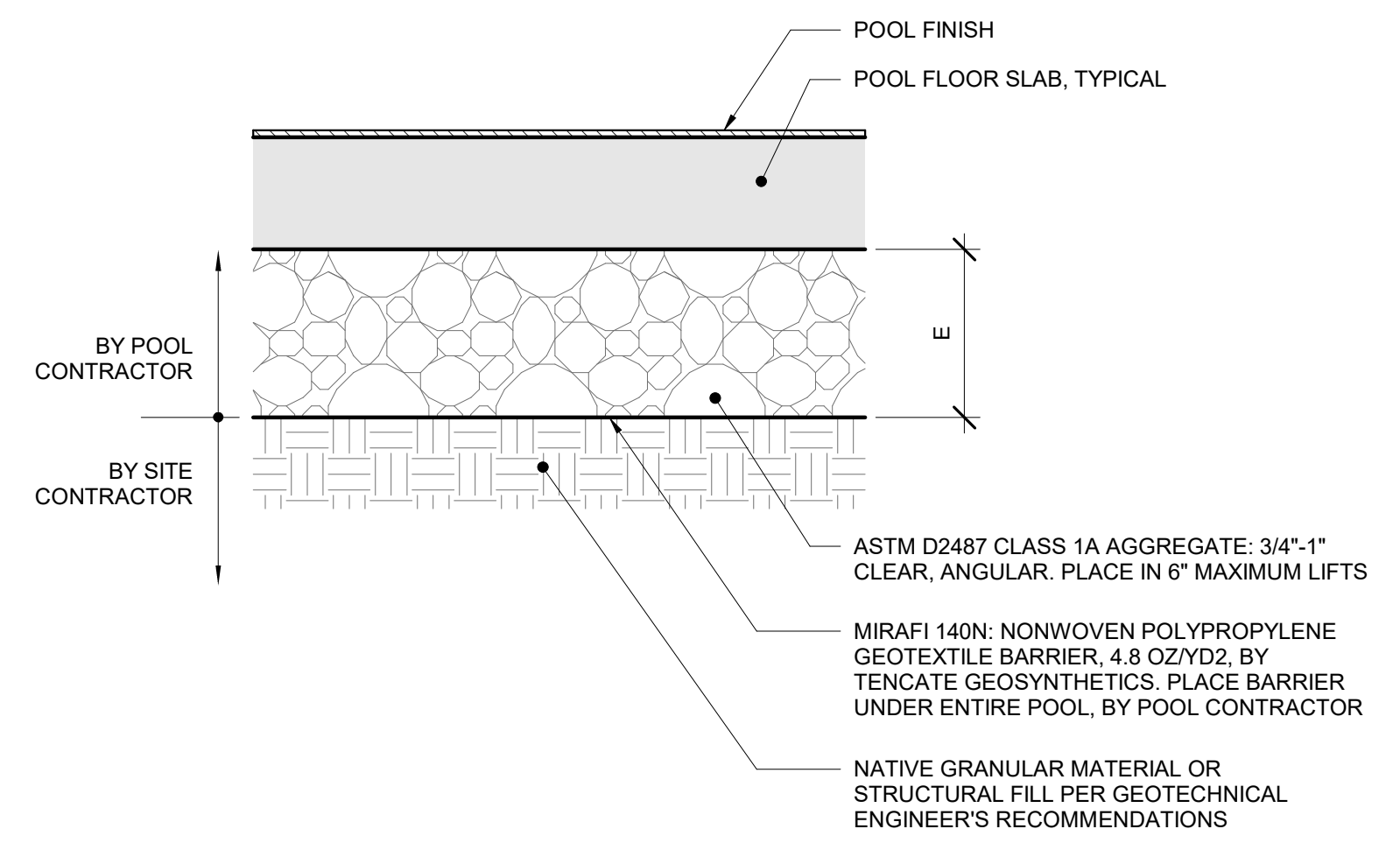


4 | REINFORCING - THICKENED SLAB AT PLAY STRUCTURE
PL210
DETAIL VIEW
NOT TO SCALE

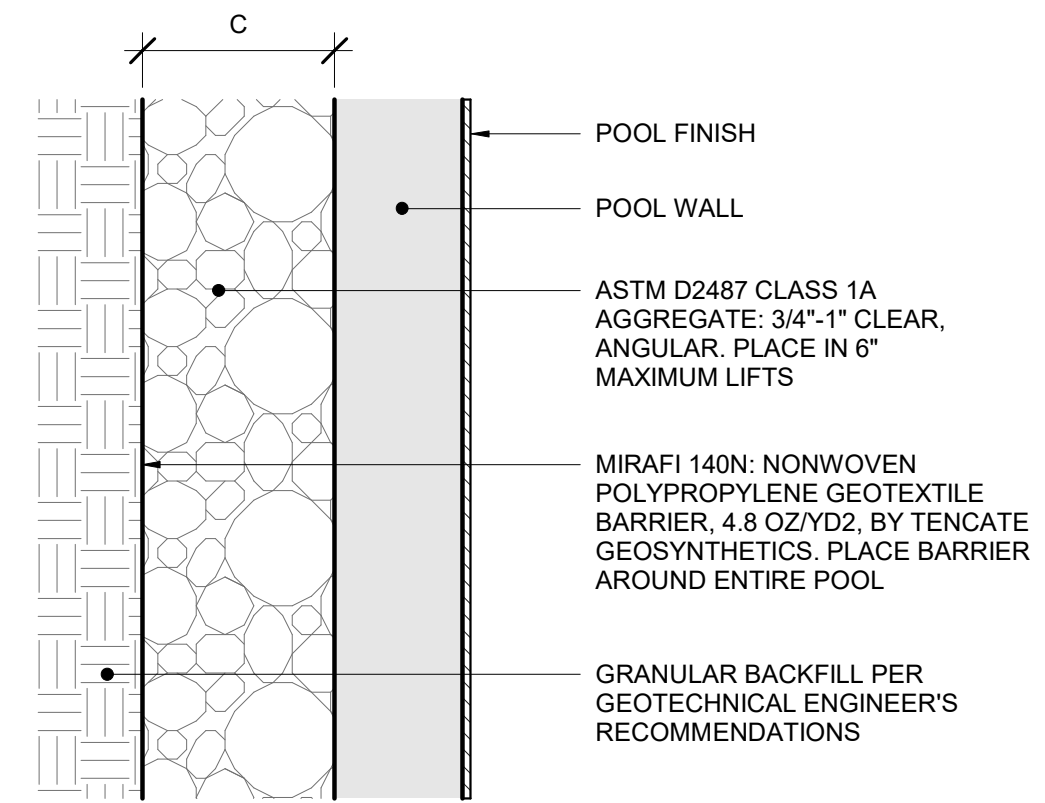


- NOTES:**
1. DETAIL IS SCHEMATIC AND INDICATES CLEARANCES AND INSTALLATION INFORMATION ONLY. FOR APPLICABLE INSTALLATION LOCATIONS SEE POOL STRUCTURAL DETAILS.
 2. WATERSTOP SHALL BE 6" PVC RIBBED WITH 1" DIA CENTERBULB UNLESS NOTED OTHERWISE.
 3. INSTALL WATERSTOP ON WET SIDE(S) OF REINFORCEMENT.
 4. ALL WATERSTOPS SHALL BE WELDED PER MANUFACTURER'S REQUIREMENTS.
 5. SPACING BETWEEN REINFORCING STEEL AND WATERSTOP SHALL BE NO LESS THAN 1.5 x DIA OF THE LARGEST AGGREGATE IN THE APPROVED CONCRETE MIX.
 6. SEE SPECIFICATION SECTION 131120 FOR ADDITIONAL WATERSTOP REQUIREMENTS.

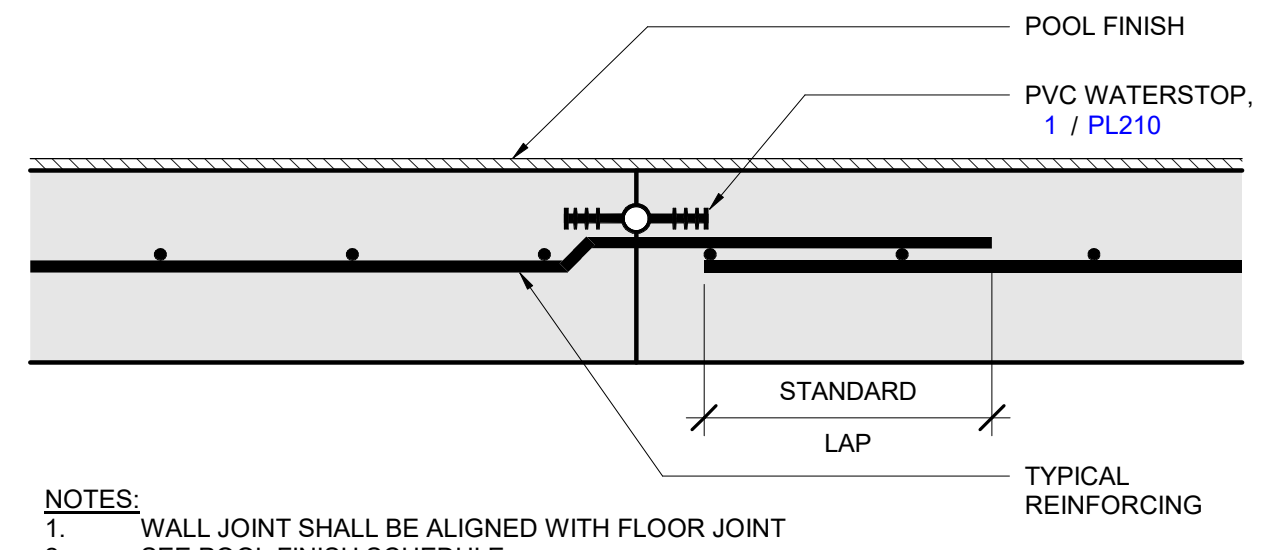
1 | WATERSTOP - PVC
PL210
DETAIL VIEW
NOT TO SCALE



6 | FLOOR SUB BASE
PL210
DETAIL VIEW
NOT TO SCALE



5 | POOL WALL BACKFILL
PL210
DETAIL VIEW
NOT TO SCALE



2 | REINFORCING - CONSTRUCTION JOINT
PL210
DETAIL VIEW
NOT TO SCALE

- NOTES:**
1. WALL JOINT SHALL BE ALIGNED WITH FLOOR JOINT
 2. SEE POOL FINISH SCHEDULE

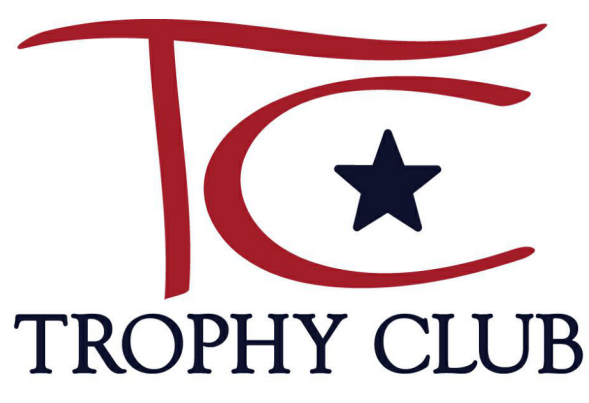


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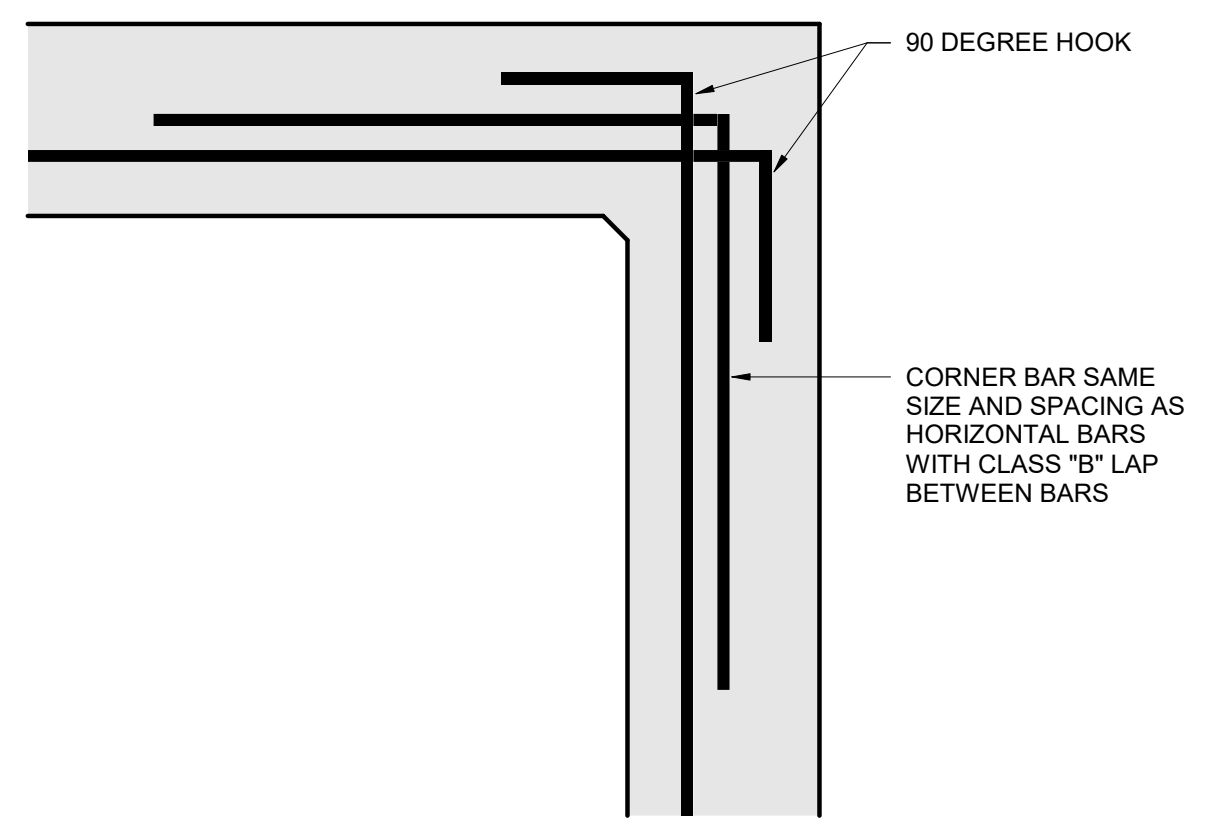
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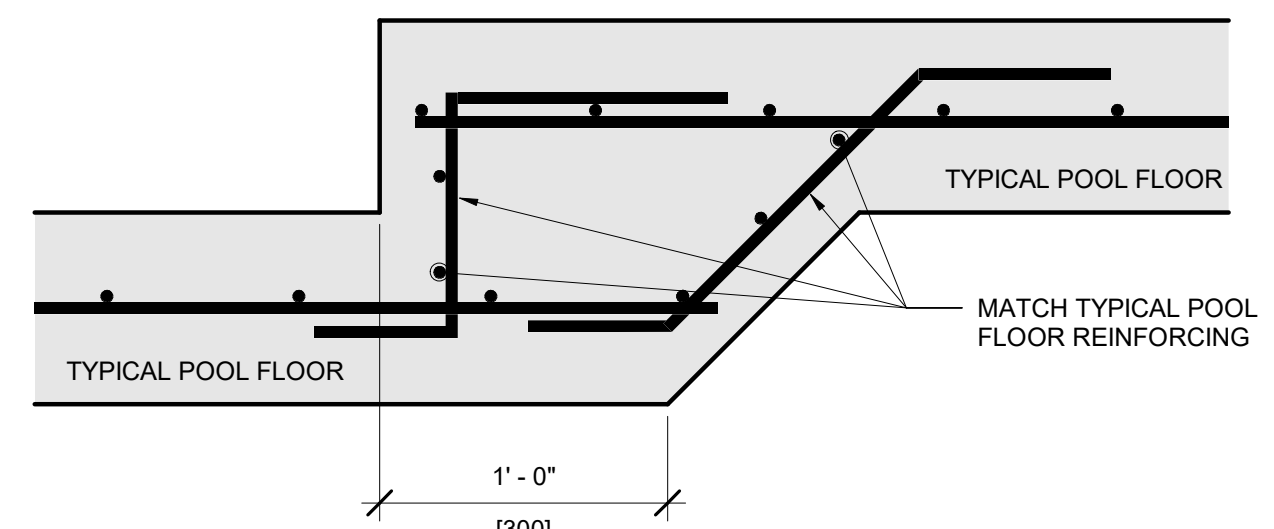


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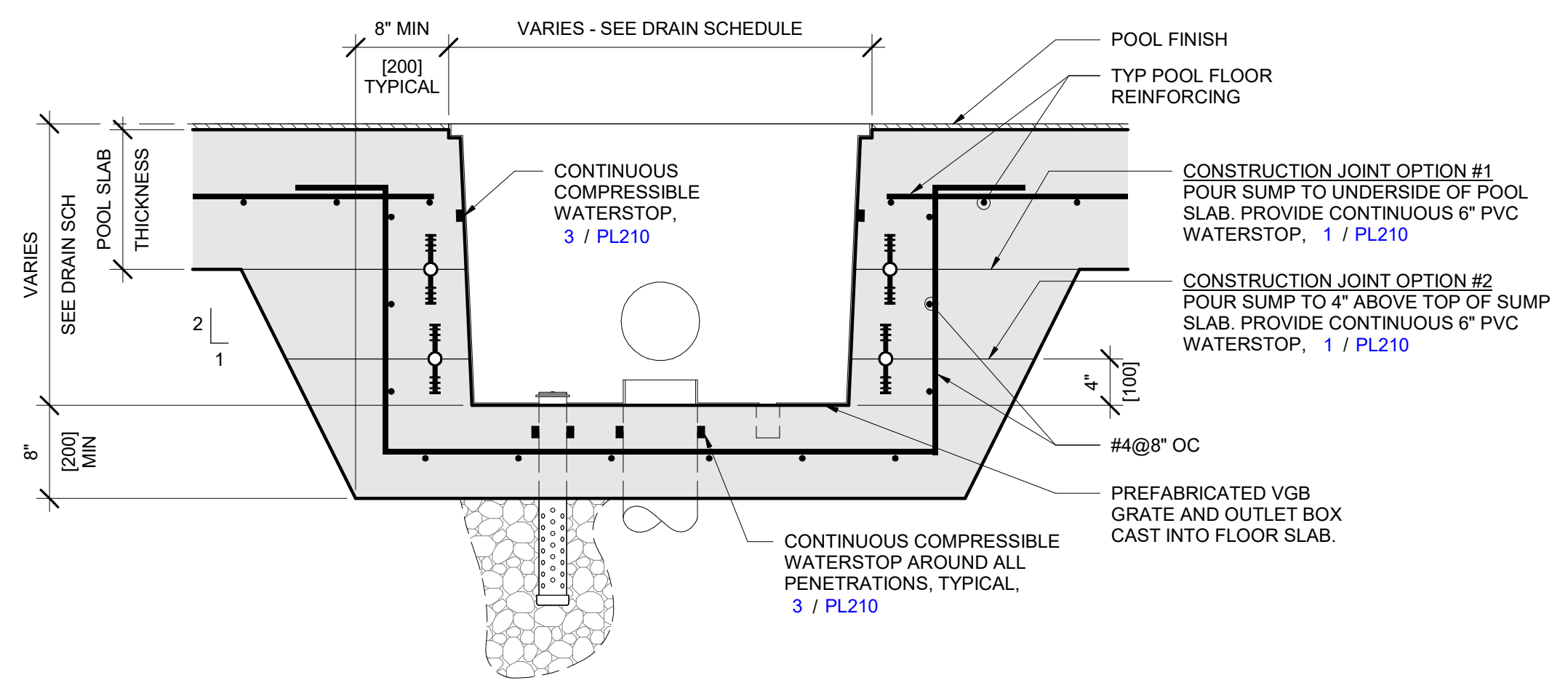
STRUCTURAL DETAILS PL211



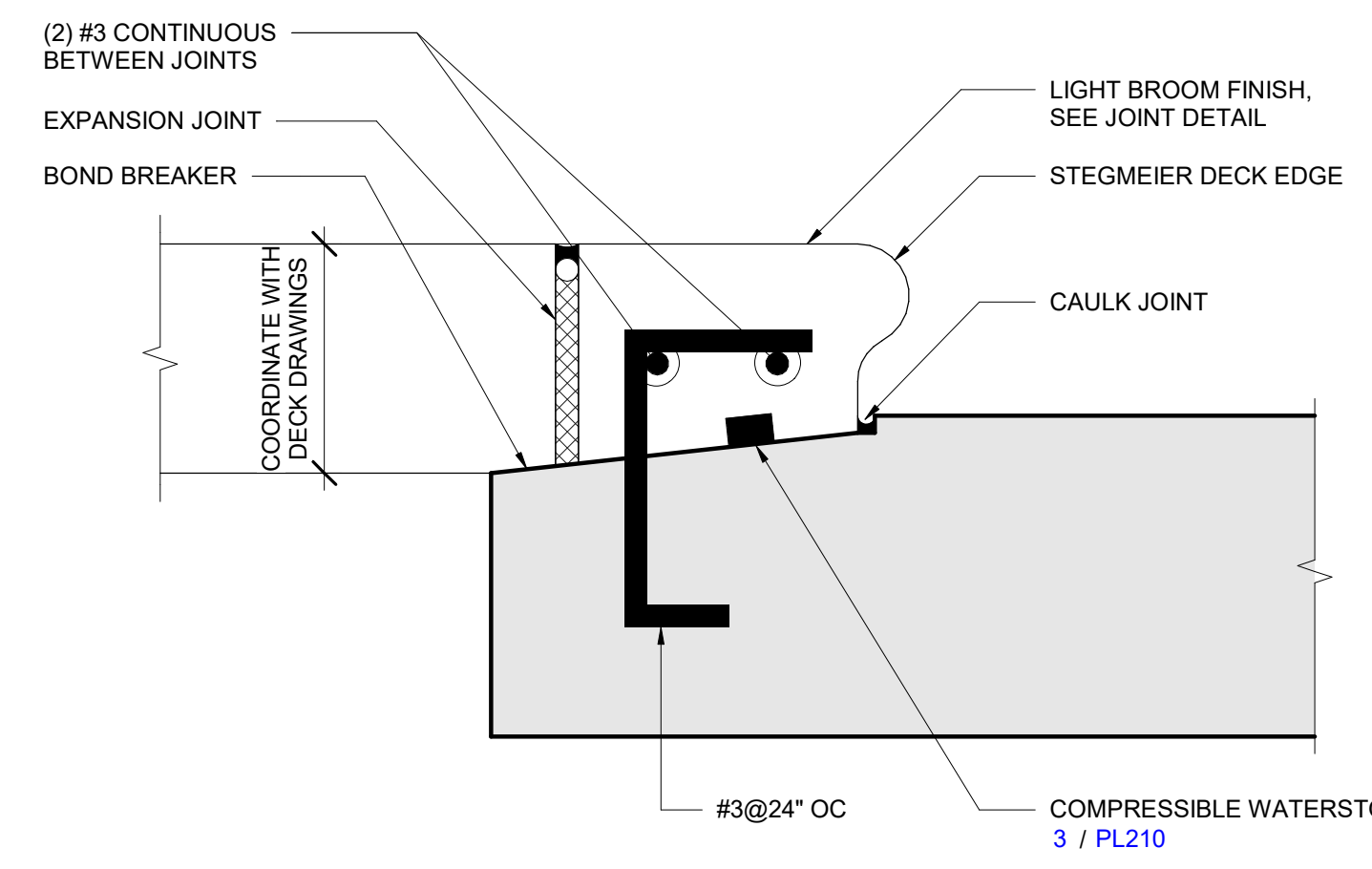
1 REINFORCING - SINGLE MAT REINFORCING AT CORNER
 DETAIL VIEW
 1 1/2" = 1'-0"



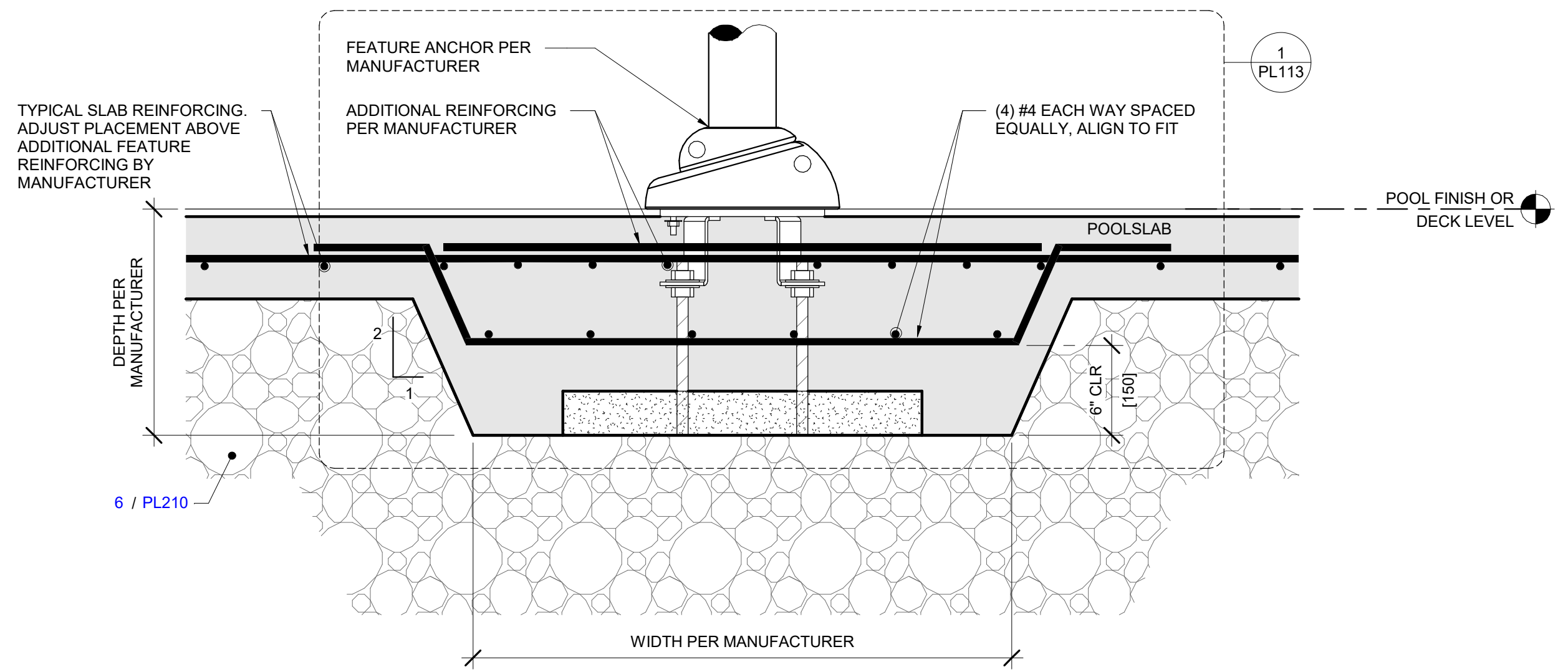
2 REINFORCING - SLAB DEPTH TRANSITION DETAIL
 DETAIL VIEW
 1 1/2" = 1'-0"



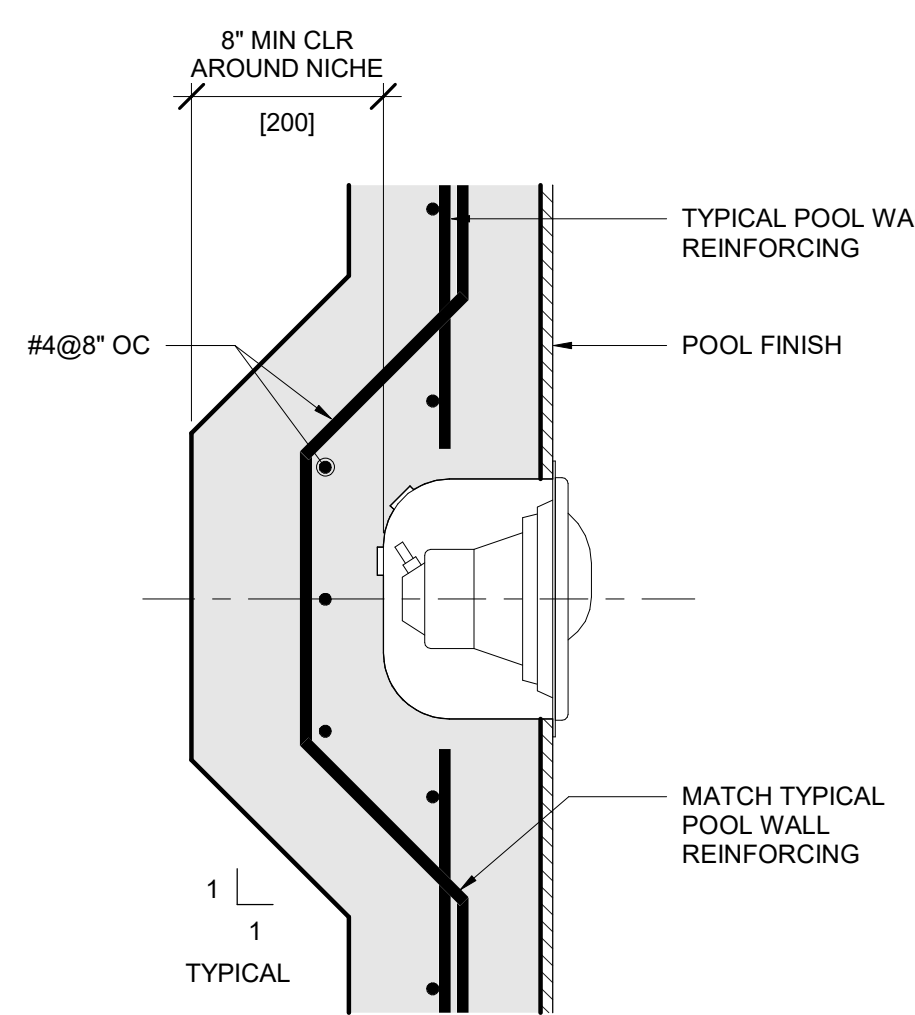
3 REINFORCING - FLOOR OUTLET
 DETAIL VIEW
 1" = 1'-0"



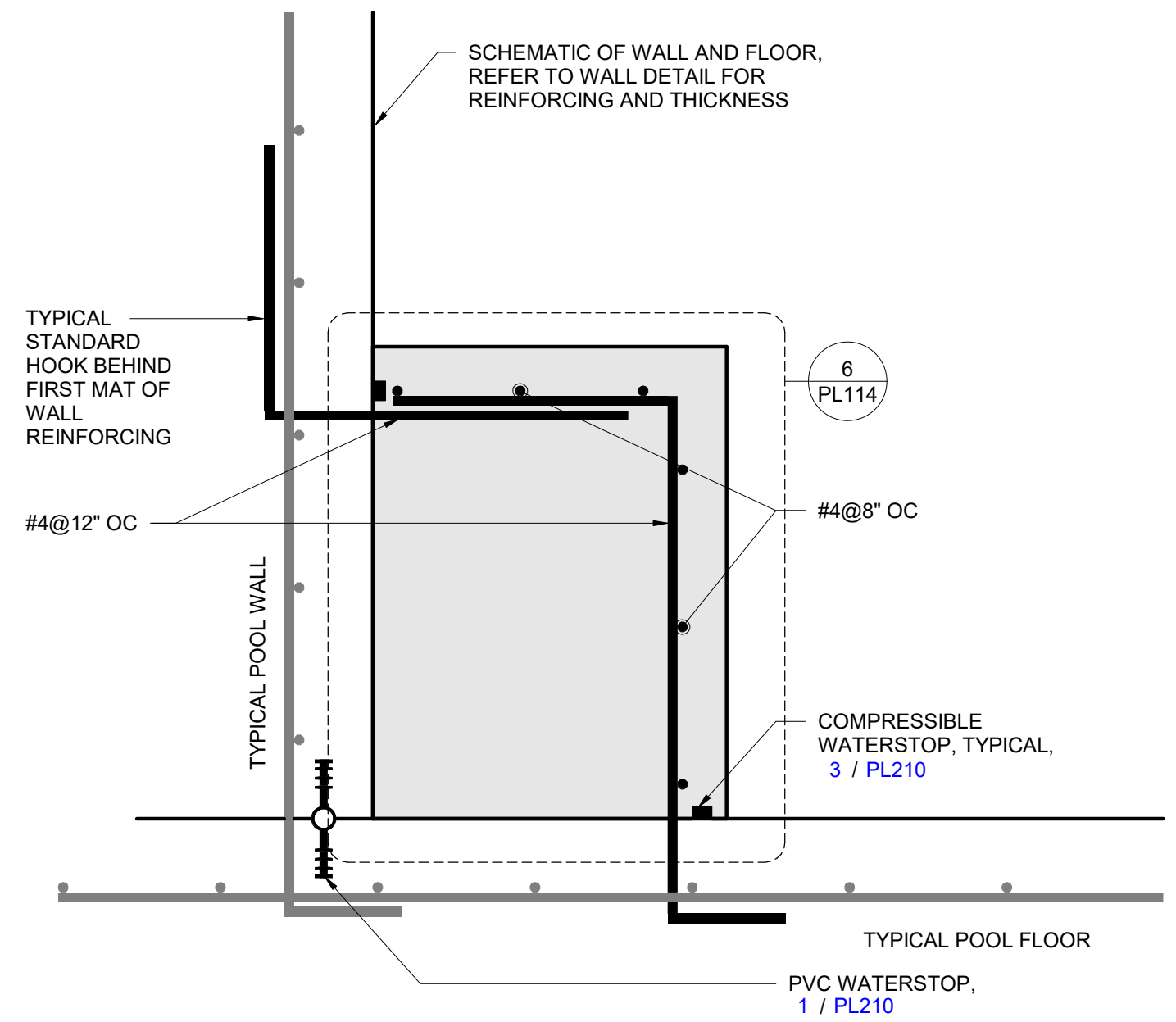
4 REINFORCING DETAIL - POOL WALL/DECK TRANSITION
 DETAIL VIEW
 3" = 1'-0"



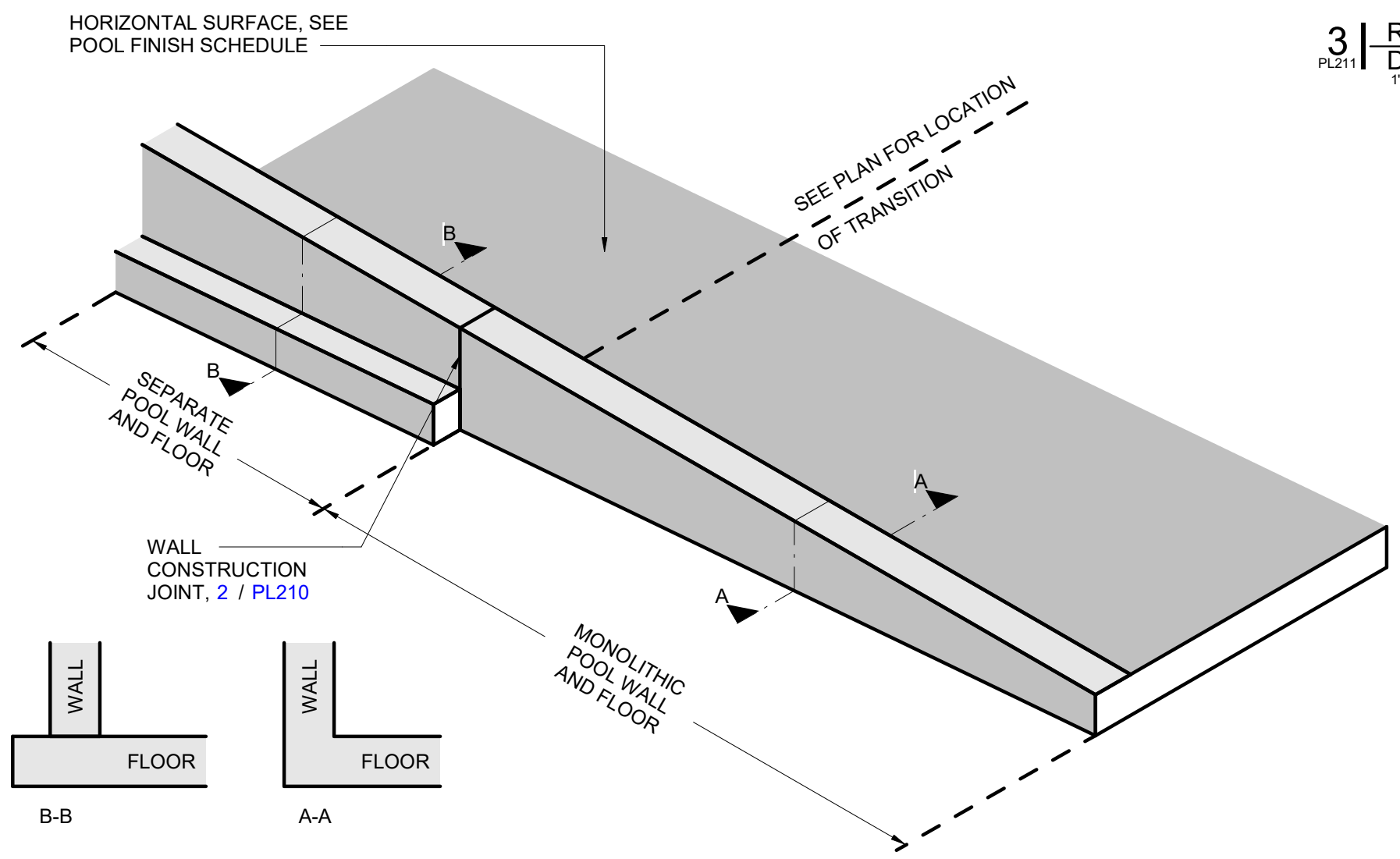
5 REINFORCING - VORTEX SAFESWAP
 DETAIL VIEW
 1 1/2" = 1'-0"



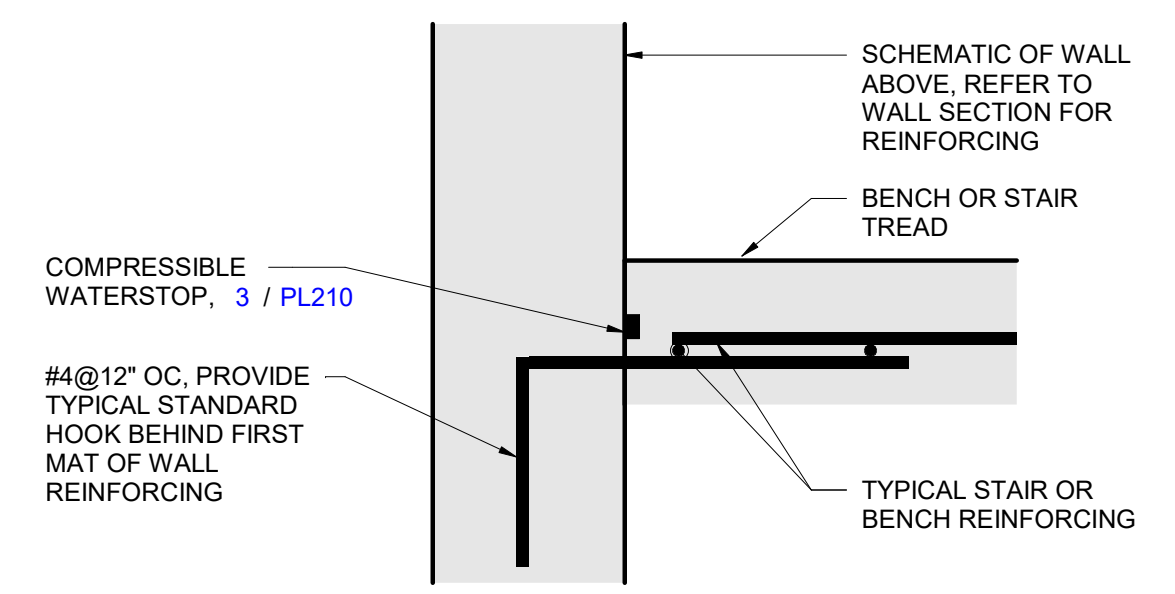
8 REINFORCING - POOL LIGHT
 DETAIL VIEW
 1 1/2" = 1'-0"



6 REINFORCING - BENCH
 DETAIL VIEW
 1 1/2" = 1'-0"



7 REINFORCING - TRANSITION - MONOLITHIC POUR
 DETAIL VIEW
 NTS



9 REINFORCING - BENCH & STAIR INTERSECTION
 DETAIL VIEW
 1 1/2" = 1'-0"

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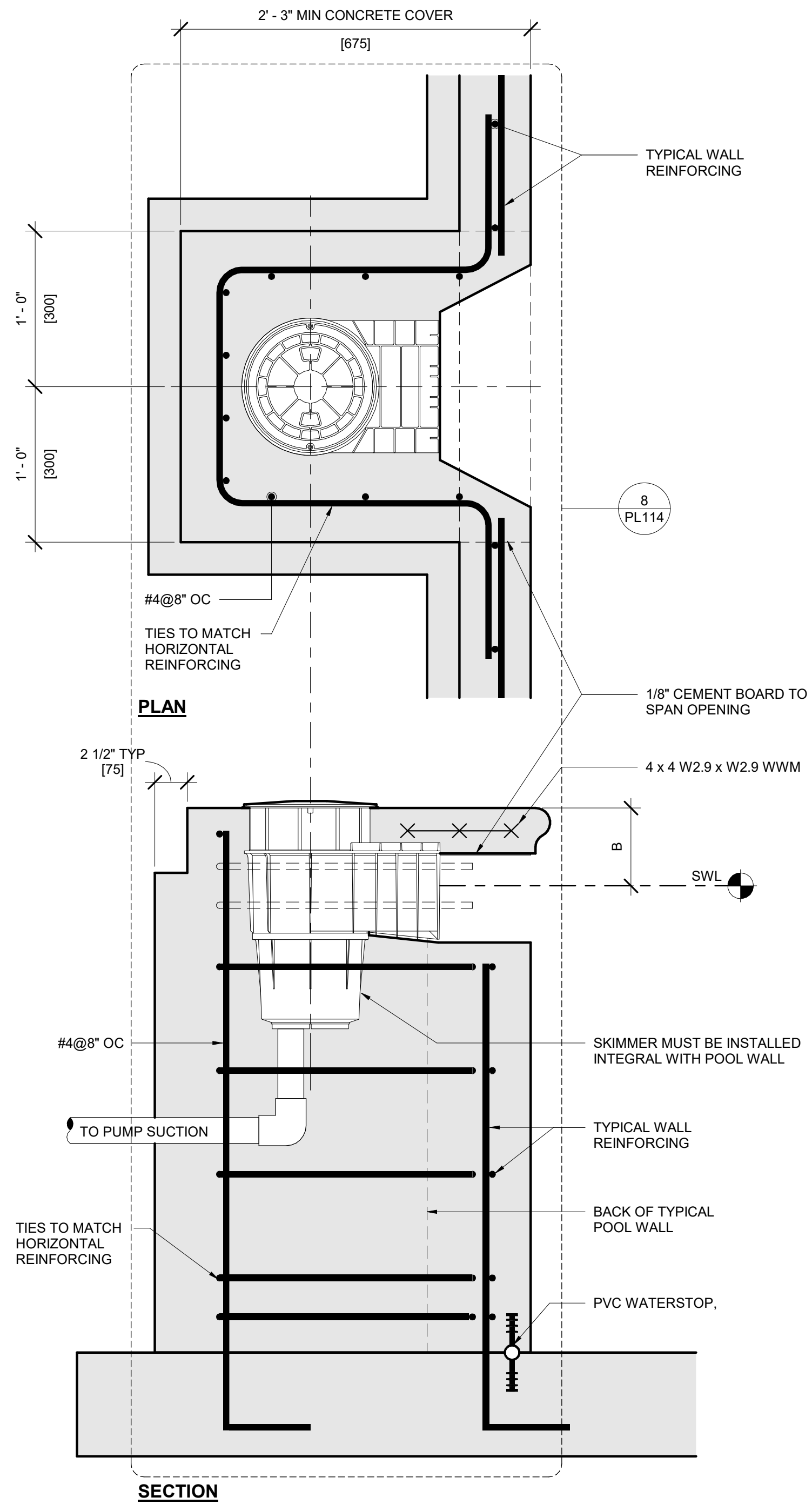


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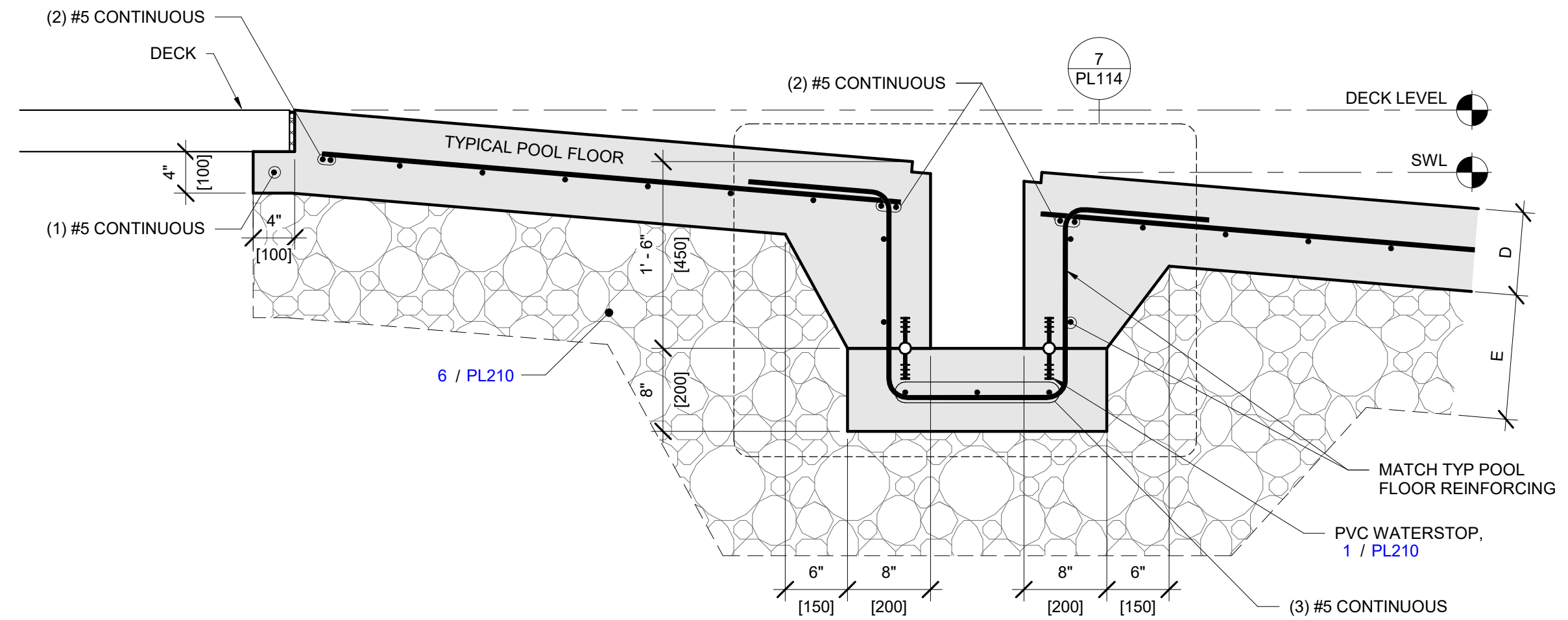
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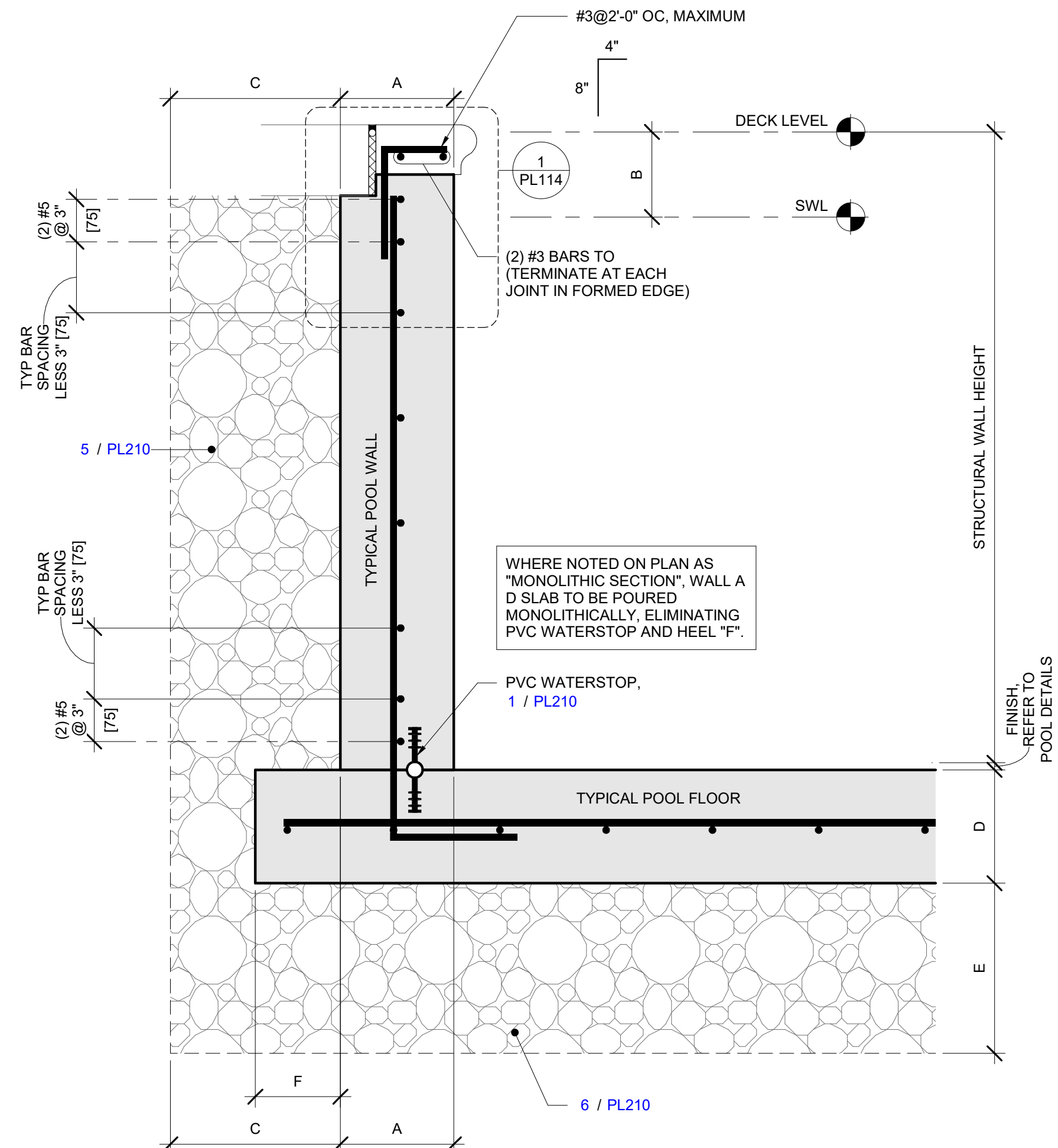
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3 REINFORCING - SKIMMER
DETAIL VIEW
1/12" = 1'-0"



1 REINFORCING - ROLLBACK
DETAIL VIEW
1/12" = 1'-0"



2 REINFORCING - SKIMMER WALL
DETAIL VIEW
1/12" = 1'-0"



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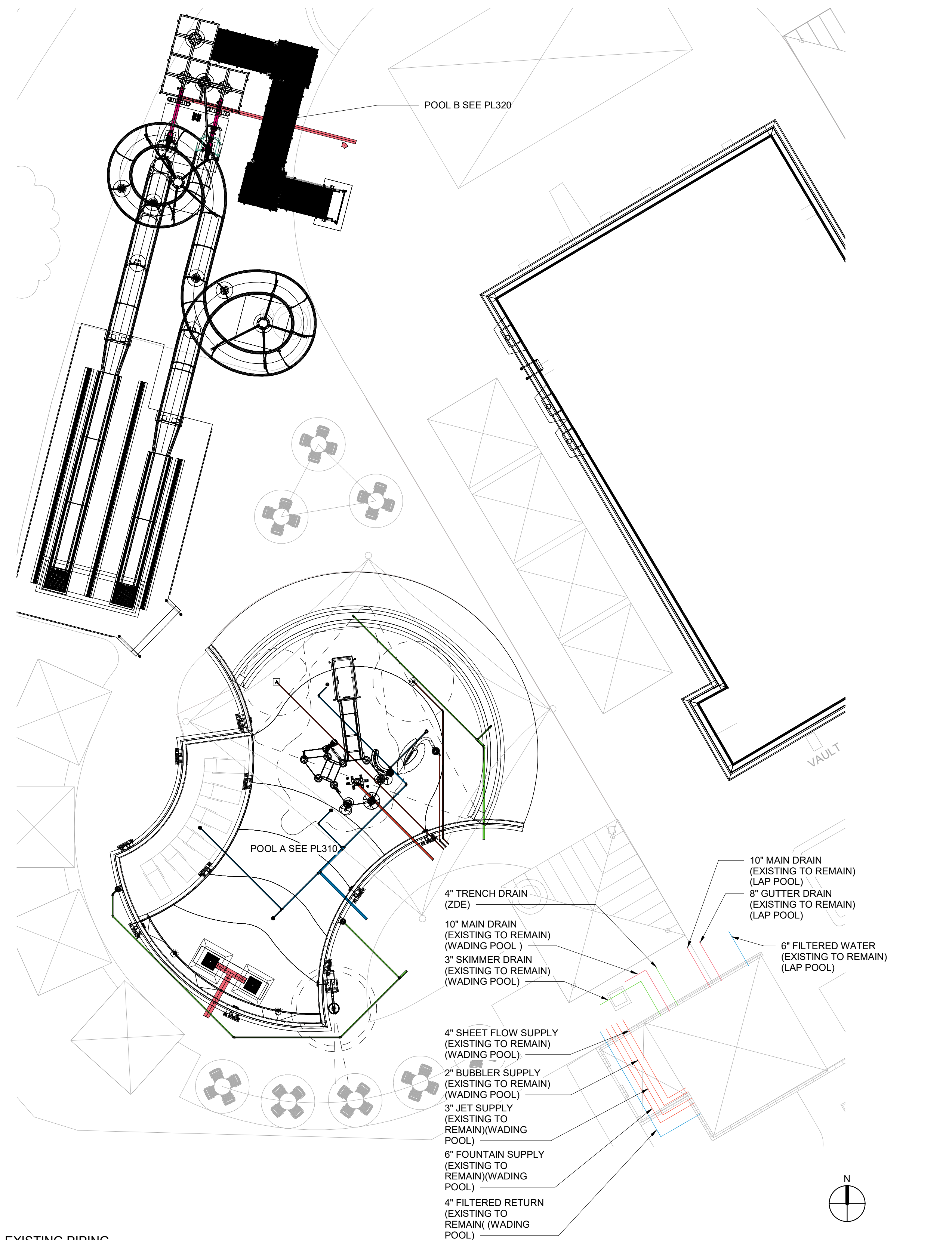


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1 EXISTING PIPING
PLAN VIEW
3/32" = 1'-0"

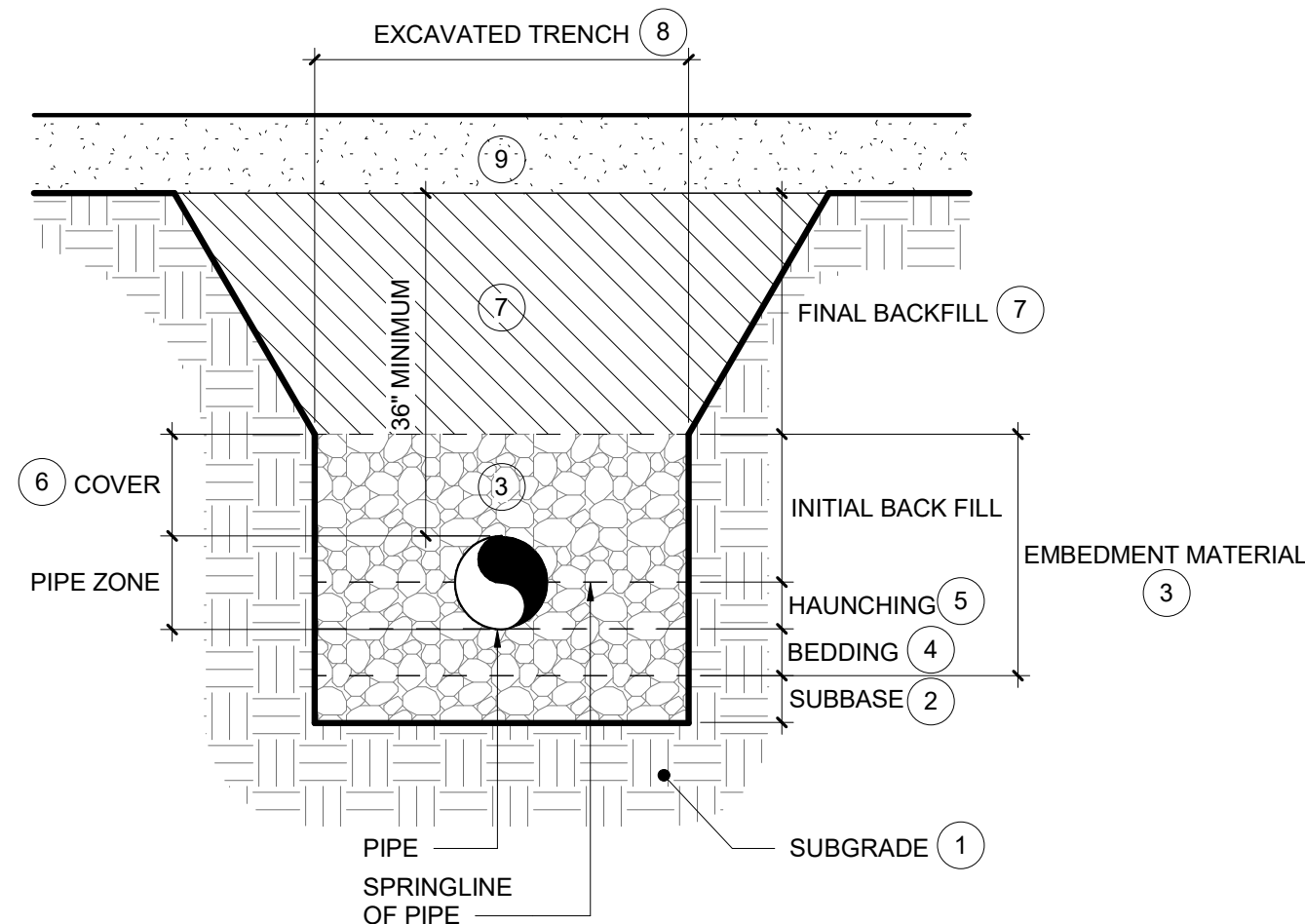
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PIPING LEGEND

PIPE DESCRIPTION	PIPE COLOR
AIR:	
ACTIVITY SUPPLY:	
CHEMICAL:	
INLET SUPPLY:	
GRAVITY:	
JET SUPPLY:	
PROPULSION SUPPLY:	
AUTOFILL SENSOR:	
SKIMMER SUCTION:	
SLIDE SUPPLY:	
SUCTION:	

MECHANICAL P&ID SYMBOL LEGEND

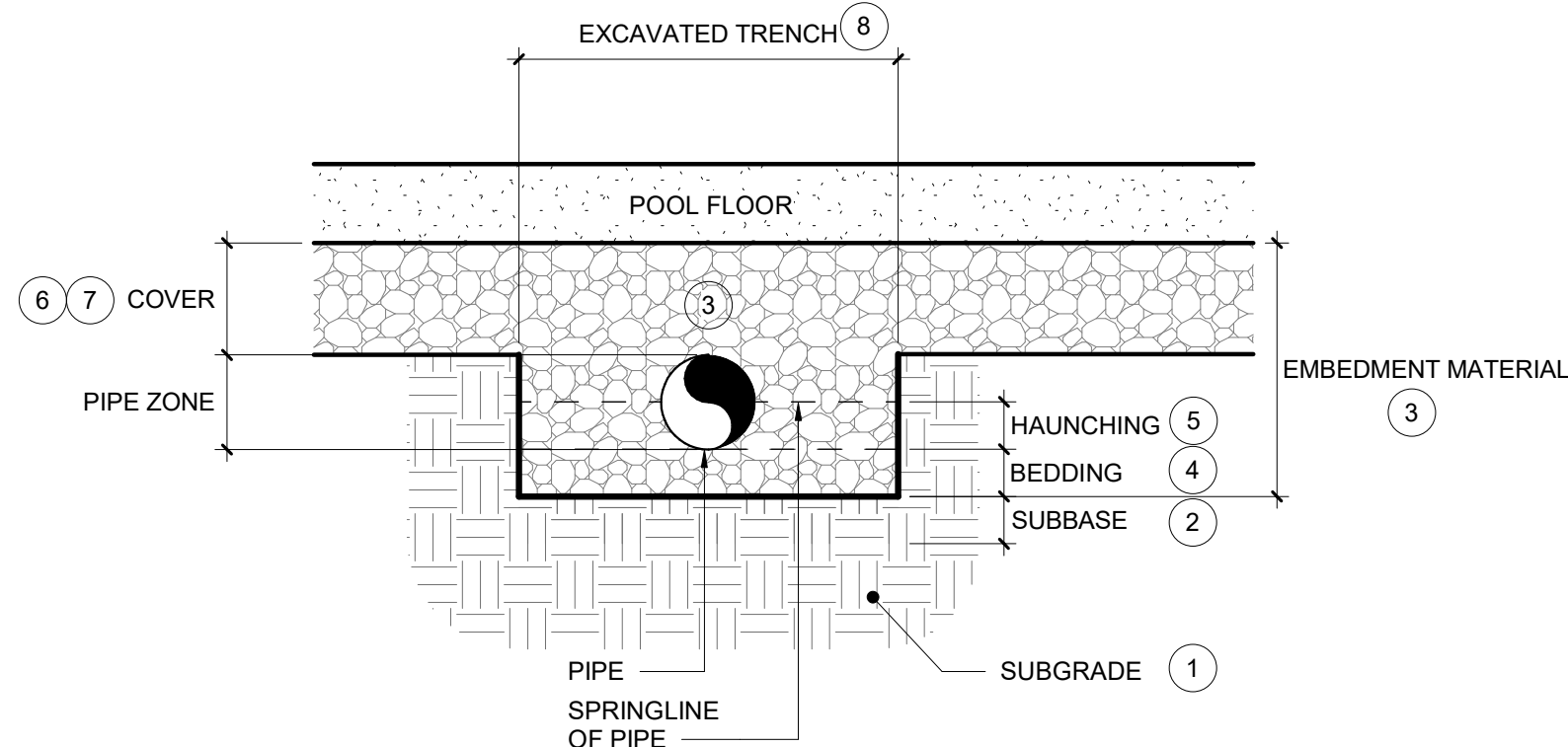
EQUIPMENT TYPE	SECTION VIEW	PLAN VIEW
PUMP		
PUMP WITH INTEGRAL STRAINER		
STRAINER		
REGENERATIVE MEDIA FILTER		
HIGH RATE SAND FILTER (HORIZONTAL)		
HIGH RATE SAND FILTER (VERTICAL)		
POOL HEATER		
HEAT EXCHANGER		
UV UNIT		
CHEMICAL CONTROLLER		
CHEMICAL FEED PUMP		
PULSAR CHLORINE FEEDER		
AXIAL CHLORINE FEEDER		
AXIAL ACID FEEDER (ACID RITE)		
CO2 FEEDER		
CHEMICAL STORAGE TANK		
CO2 STORAGE TANK		
AUTO FILL WITH SENSOR		
SURGE TANK VENTILATION FAN		
GEAR OPERATED BUTTERFLY VALVE		
LEVER OPERATED BUTTERFLY VALVE		
PNEUMATIC BUTTERFLY VALVE		
TRUE UNION BALL VALVE		
TRUE UNION CHECK VALVE		
ELECTRONIC MODULATING VALVE		
ELECTRO-PNEUMATIC MODULATING VALVE		
MODULATING FLOAT VALVE		
VENTURI		
SOLENOID VALVE		
CHECK VALVE		
WYE STRAINER		
CONCENTRIC REDUCER		
ECCENTRIC REDUCER		
FLANGED BREAK		
COMPOUND GAUGE		
THERMOMETER		
EXPANSION JOINT		
FLOW METER (SENSOR)		
FLOW SWITCH		



- # KEY NOTES:**
- SUBGRADE: MINIMIZE DISTURBANCE OF EXISTING SOILS ON SIDES AND BELOW PIPE TRENCH DURING EXCAVATION. CLEAR SUBGRADE OF LARGE STONES & ORGANIC MATERIALS.
 - SUBBASE MATERIALS: REQUIRED ONLY IF EXISTING SUBGRADE CONTAINS UNSUITABLE SOILS AND/OR DOES NOT MEET THE REQUIREMENTS OF THE GEOTECHNICAL REPORT FOR UTILITY TRENCHES.
 - EMBEDMENT MATERIALS: ASTM D2487 CLASS 1A OR 1B AGGREGATE, 1.5" MAXIMUM SIZE.
 - BEDDING: MINIMUM 6 INCH THICK AGGREGATE LAYER.
 - HAUNCHING: PLACE AND COMPACT HAUNCHING MATERIALS UNDER AND AROUND PIPE/S UP TO THE PIPE SPRINGLINE BY HAND TO ASSURE CONTINUOUS AND EFFECTIVE PIPE SUPPORT.
 - COVER: MINIMUM 6 INCHES ABOVE TOP OF PIPE.
 - FINAL BACKFILL: USE ON-SITE EXISTING SOILS MEETING THE PROJECT GEOTECHNICAL REPORT REQUIREMENTS FOR BACKFILL MATERIALS. DO NOT USE ORGANIC MATERIAL, CLAY, TOPSOIL, OR OTHER DELETERIOUS SUBSTANCES. SLOPE TRENCH EXCAVATION IN FINAL BACKFILL ZONE AS NEEDED.
 - TRENCH WIDTH FOR EMBEDMENT MATERIALS: MINIMIZE WIDTH TO 6" - 12" BETWEEN TRENCH WALL AND EDGE OF NEAREST PIPE. ALLOW 6" MINIMUM BETWEEN ADJACENT PIPE WALLS WHEN PLACING MULTIPLE PIPES IN A COMMON TRENCH.
 - FINAL GRADE MATERIALS: SEE RELATED PROJECT DRAWINGS AND SPECIFICATIONS FOR SOIL MATERIALS AND PLACEMENT REQUIREMENTS AT FINAL GRADE ELEVATIONS (E.G. DECK, CIVIL, LANDSCAPE, ETC. DRAWINGS).

- GENERAL NOTES:**
- SEE SPECIFICATIONS SECTION 13 11 20 FOR ADDITIONAL POOL PIPE TRENCH MATERIAL AND INSTALLATION REQUIREMENTS.
 - PLACE ALL PIPE TRENCH MATERIALS IN 6" MAXIMUM LOOSE LIFTS.
 - COORDINATE WITH OTHER TRADES AS NEEDED TO ASSURE FOOTING/FOUNDATIONS ABOVE DO NOT LOAD THE PIPES. MAINTAIN PROPER CLEARANCES TO PREVENT UNDERMINING OF ADJACENT FOOTINGS/FOUNDATIONS.
 - IF EXISTING PIPE DEPTH DOES NOT ALLOW FOR CONNECTION AND THE MINIMUM "COVER" REQUIRED ABOVE CONTACT ENGINEER FOR REVIEW.

1 | POOL PIPE TRENCH DETAIL VIEW
PL301
NOT TO SCALE



- # KEY NOTES:**
- SUBGRADE: MINIMIZE DISTURBANCE OF EXISTING SOILS ON SIDES AND BELOW PIPE TRENCH DURING EXCAVATION. CLEAR SUBGRADE OF LARGE STONES & ORGANIC MATERIALS.
 - SUBBASE MATERIALS: REQUIRED ONLY IF EXISTING SUBGRADE CONTAINS UNSUITABLE SOILS AND/OR DOES NOT MEET THE REQUIREMENTS OF THE GEOTECHNICAL REPORT FOR UTILITY TRENCHES.
 - EMBEDMENT MATERIALS: ASTM D2487 CLASS 1A OR 1B AGGREGATE, 1.5" MAXIMUM SIZE.
 - BEDDING: MINIMUM 6 INCH THICK AGGREGATE LAYER.
 - HAUNCHING: PLACE AND COMPACT HAUNCHING MATERIALS UNDER AND AROUND PIPE/S UP TO THE PIPE SPRINGLINE BY HAND TO ASSURE CONTINUOUS AND EFFECTIVE PIPE SUPPORT.
 - COVER: MINIMUM 6 INCHES ABOVE TOP OF PIPE.
 - POOL BEDDING COURSE/SUBBASE: SEE PL200 FOR REQUIREMENTS.
 - TRENCH WIDTH FOR EMBEDMENT MATERIALS: MINIMIZE WIDTH TO 6" - 12" BETWEEN TRENCH WALL AND EDGE OF NEAREST PIPE. ALLOW 6" MINIMUM BETWEEN ADJACENT PIPE WALLS WHEN PLACING MULTIPLE PIPES IN A COMMON TRENCH.

- GENERAL NOTES:**
- SEE SPECIFICATIONS SECTION 13 11 20 FOR ADDITIONAL POOL PIPE TRENCH MATERIAL AND INSTALLATION REQUIREMENTS.
 - PLACE ALL PIPE TRENCH MATERIALS IN 6" MAXIMUM LOOSE LIFTS.
 - IF EXISTING PIPE DEPTH DOES NOT ALLOW FOR CONNECTION AND THE MINIMUM "COVER" REQUIRED ABOVE CONTACT ENGINEER FOR REVIEW.

2 | POOL PIPE TRENCH BENEATH POOL FLOOR DETAIL VIEW
PL301
NOT TO SCALE

GENERAL POOL PIPING AND EQUIPMENT PLAN NOTES

PIPING

- THE PIPING LAYOUTS ON THESE DRAWINGS ARE SCHEMATIC AND FOR REFERENCE ONLY. PIPING AS SHOWN IS SPREAD OUT FOR CLARITY. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING FINAL PIPE ROUTING AND ELEVATIONS.
- REDUCE THE USE OF FITTINGS AND LONG PIPE RUNS TO MINIMIZE HEAD LOSS IN THE SYSTEM.
- ALL OUTDOOR PIPING SHALL BE INSTALLED IN A PIPE TRENCH WITH BEDDING AND COVER MATERIALS PER SPECIFICATIONS. PIPING MAY BE STACKED IN THE PIPE TRENCH. PER PL301- 1 AND 2.
- ARROWS DENOTE DIRECTION OF FLOW.
- REFER TO ALL DISCIPLINES DOCUMENTATION AND COORDINATE ALL PIPING AND EMBEDMENTS WITH AFFECTED TRADES.
- ALL GRAVITY PIPING SHALL BE INSTALLED AT A MINIMUM SLOPE OF 1" DROP PER 10' LENGTH. ALL OUTDOOR PIPING SHALL BE INSTALLED WITH A SLOPE TO ALLOW COMPLETE DRAINING. PROVIDE WINTERIZING/DRAINING INSTRUCTIONS AND SCHEMATICS TO OWNER.
- CONTRACTOR SHALL USE SWING JOINTS OR OTHER MEANS AND METHODS AS REQUIRED TO PROVIDE POOL INLET FITTINGS FLUSH AND PERPENDICULAR WITH THE POOL FLOOR AND AS REQUIRED FOR PROPER SLOPE TO DRAIN FOR WINTERIZATION.
- SUPPORT PIPES PER PLXXX-X THRU X.
- ALL SUPPORTS, BRACING, FASTENERS AND HARDWARE IN THE SURGE TANK(S) SHALL BE STAINLESS STEEL.
- THE INTENT OF THESE DRAWINGS IS NOT TO BE INCLUSIVE OF ALL VALVES OR FITTINGS REQUIRED FOR THIS PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ALL VALVES AND FITTINGS REQUIRED.
- FIELD COORDINATE NEW SHADE FOUNDATIONS WITH EXISTING PIPE LOCATIONS AND ROUTE AROUND SHADE FOUNDATIONS AS REQUIRED.

PIPE PENETRATIONS

- SEE BUILDING STRUCTURAL DRAWINGS FOR ALL WALL DIMENSIONS AND WALL/REINFORCING STEEL DIMENSIONS AND DETAILS, INCLUDING REINFORCING REQUIREMENTS AROUND ALL PIPE PENETRATIONS.
- THE POOL CONTRACTOR SHALL FURNISH ALL SLEEVES FOR THE PENETRATIONS SHOWN ON THE POOL DRAWINGS.
- THE SLEEVES SHALL BE INSTALLED BY THE BUILDING CONTRACTOR DURING THE STEEL AND FORMWORK PLACEMENT. BUILDING CONTRACTOR SHALL COORDINATE WITH THE POOL CONTRACTOR DURING PLACEMENT AND OBTAIN SLEEVE LOCATION APPROVAL FROM THE POOL CONTRACTOR PRIOR TO POURING THE WALLS.
- THE POOL CONTRACTOR SHALL PROVIDE ALL LINK-SEALS REQUIRED IN THE PIPE PENETRATIONS.
- ALL PIPE PENETRATION DRAWINGS AND DIMENSIONS ARE SPECIFIC TO THE WTI BASIS OF DESIGN POOL EQUIPMENT AND LAYOUTS AS SHOWN. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FINAL PENETRATION LOCATIONS AND SIZES BASED ON ENGINEER APPROVED EQUIPMENT SELECTIONS AND ACTUAL SITE CONDITIONS. PROVIDE SHOP DRAWINGS TO POOL ENGINEER.
- REFER TO PLXXX-X FOR REINFORCEMENT AT PIPE PENETRATIONS.
- REFER TO STRUCTURAL DRAWINGS FOR FUTURE CORED OPENINGS.
- SEE PENETRATION SCHEDULE FOR ALL PIPE PENETRATIONS SHOWN IN THE ELEVATION DETAILS ON PL600.

MECHANICAL EQUIPMENT

- CONTRACTOR SHALL PROVIDE EQUIPMENT LAYOUTS PER PLANS. IF ALTERNATE LAYOUT IS REQUESTED, CONTRACTOR SHALL PROVIDE SCALED DRAWING LAYOUT FOR REVIEW INDICATING POOL EQUIPMENT, PIPING, PIPE SUPPORTS, REQUIRED CLEARANCES, AND SERVICE ACCESS.
- REFER TO ARCHITECTURAL PLANS FOR ACTUAL ROOM DIMENSIONS AND FINISHED FLOOR ELEVATIONS.
- VERIFY EQUIPMENT PAD HEIGHT REQUIREMENTS FROM MANUFACTURER AND PROVIDE SHOP DRAWINGS TO POOL ENGINEER.

POOL CHEMICAL STORAGE AND PIPING NOTES

- ALL CHEMICAL ROOM DOORS AND CONTAINERS SHALL BE PROVIDED WITH SIGNAGE AS REQUIRED BY FIRE CODE. SEE ARCHITECTURAL DRAWING FOR THE DOOR LABEL REQUIREMENTS.
- PROVIDE ALL CHEMICAL FEED PUMPS WITH "TUBE FAILURE DETECTION". THIS TECHNOLOGY DETECTS TUBING FAILURE AND WILL AUTOMATICALLY SHUT OFF THE PUMP AND ENERGIZE A RELAY. INSTALL RELAY TO PERMIT COMMUNICATIONS WITH THE CHEMICAL CONTROLLER SO THAT THE OPERATOR CAN BE NOTIFIED OF THE PUMP STATUS BEING IN AN ALARM/OFF CONDITION. DO NOT LOCATE CHEMICAL INJECTION POINTS ABOVE DOORWAY, CHEMICAL FEED PUMPS, OR ELECTRICAL OUTLETS.
- ALL CHEMICALS TO BE STORED PER MANUFACTURER'S RECOMMENDATIONS. THE DIRECTION OF FLOW FOR THE RECIRCULATION EQUIPMENT SHALL BE LABELED CLEARLY WITH DIRECTIONAL SYMBOLS SUCH AS ARROWS ON ALL PIPING IN THE EQUIPMENT AREA PER REQUIREMENTS OF 13 11 20 SPECIFICATIONS.
- WHERE THE RECIRCULATION EQUIPMENT FOR MORE THAN ONE POOL IS LOCATED ON SITE, THE EQUIPMENT SHALL BE MARKED AS TO WHICH POOL THE SYSTEM SERVES.
- PLUMBING LINES SHALL BE LABELED CLEARLY WITH THE SOURCE OR DESTINATION DESCRIPTIONS PER REQUIREMENTS OF 13 11 20 SPECIFICATIONS.
- EACH VALVE SHALL BE INSTALLED IN THE EQUIPMENT AREA AND LABELED AS TO ITS PURPOSE PER REQUIREMENTS OF 13 11 20 SPECIFICATIONS.
- PER SPECIFICATIONS SECTION 13 11 13, SUBMIT AN ELECTRONIC VERSION OF THE PIPE AND VALVE CHART FOR EACH PIPING SYSTEM TO THE ARCHITECT/ENGINEER FOR APPROVAL. CHART TO CONSIST OF ISOMETRIC DRAWINGS OR PIPING LAYOUTS SHOWING AND IDENTIFYING EACH VALVE AND DESCRIBING ITS FUNCTION. UPON COMPLETION OF THE WORK HANG IN A CONSPICUOUS LOCATION IN THE EQUIPMENT ROOM ONE (1) COPY OF EACH CHART TO A RIGID BACKBOARD WITH CLEAR LACQUER PLACED UNDER GLASS AND FRAMED.

PIPING NOTES

REFER TO DIVISION 13 SPECIFICATIONS FOR DETAILS

PIPING

- ALL PIPING SHALL BE IN ACCORDANCE WITH THE TEXAS STATE PLUMBING CODE, THE TEXAS DEPARTMENT OF STATE HEALTH SERVICES CODE, THE A.S.T.M. DESIGNATION NUMBER D-1785, AND THE NSF SEAL FOR POTABLE WATER.
- ALL PIPING DESIGNED FOR 6"/SECOND MAX SUCTION VELOCITY AND 8"/SECOND MAXIMUM PRESSURE VELOCITY.
- MAIN DRAIN PIPING AND GUTTER PIPING ARE DESIGNED TO CARRY MINIMUM 100% OF THE RECIRCULATION RATE.
- ALL PIPING MUST BE LAID ON A GRADE SO IT WILL DRAIN COMPLETELY BY GRAVITY TO PREVENT DAMAGE DURING FREEZING WEATHER.
- IN ALL INSTANCES WHERE GRAVITY DRAINAGE IS NOT PROVIDED THE CONTRACTOR SHALL INSTALL DRAIN VALVES SO THAT ALL LINES CAN BE DRAINED COMPLETELY TO SURGE TANK OR ANOTHER APPROVED LOCATION. DRAINAGE PLUGS SHALL BE PROVIDED IN THE PIPING SYSTEM TO ALLOW WINTERIZATION OF THE POOL PIPING.
- CONTRACTOR SHALL PROVIDE OPERATION, FILLING, EMPTYING, WINTERIZATION, AND START-UP INSTRUCTIONS TO OWNER.
- ALL ELEVATIONS TO BE FIELD VERIFIED FOR PROPER PITCH AND DRAINAGE. PITCH TO BE APPROXIMATELY 1"/10'-0".
- POOL CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE FITTING QUANTITY TO REDUCE TOTAL DYNAMIC HEAD.
- ALL DRAWINGS ARE INTENDED FOR SCHEMATIC USE ONLY. FINAL LOCATIONS SHALL BE FIELD VERIFIED WITH ALL OTHER TRADES. BY CONTRACTOR. CONTRACTOR SHALL COORDINATE ALL WORK WITH ARCHITECTURAL, MECHANICAL, ELECTRICAL, STRUCTURAL, PLUMBING, AND CIVIL DRAWINGS.

DRAINS

- ALL OVERFLOW AND MAIN DRAIN GRATING SYSTEMS ARE DESIGNED TO CARRY 100% OF RECIRCULATION RATE AT A VELOCITY NOT TO EXCEED 1.5"/SECOND THROUGH THE OPEN AREA OF THE GRATE.
- ALL SUBMERGED DRAIN/OUTLET SYSTEMS SHALL CONFORM WITH THE VIRGINIA GRAEME BAKER ACT AND TO CURRENT ANSI/ASPE-16 STANDARD.
- FILTER DRAIN/BACKWASH LINE, POOL DRAIN LINE, SURGE TANK DRAIN LINE, AND SURGE TANK OVERFLOW LINE TO DISCHARGE TO SEWER WITH AN AIR GAP COMPLIANT WITH LOCAL REQUIREMENTS.

GAUGES:

- COMPOUND GAUGES TO BE INSTALLED ON ALL PUMP SUCTION AND DISCHARGE LINES.

VALVES:

- EACH VALVE SHALL HAVE A PERMANENT IDENTIFYING LABEL OR TAG ATTACHED TO IT. THE SEQUENCE OF OPERATION, BRIEFLY STATED, SHALL BE PROMINENTLY DISPLAYED.

FLOW METERS:

- UNINTERRUPTED FLOW SHALL BE PROVIDED TO THE FLOWMETER BY INSTALLING THEM ON STRAIGHT LENGTHS OF PIPE WITHOUT ANY VALVES, ELBOWS, OR OTHER SOURCES OF TURBULENCE WITHIN MINIMUM 10 PIPE DIAMETERS UPSTREAM AND 5 PIPE DIAMETERS DOWNSTREAM OF THE FLOW METERS OR INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

FILTERS:

- FILTERS SHALL BE PROVIDED WITH THE FOLLOWING APPROPRIATELY LOCATED ACCESSORIES: PRESSURE GAUGES, BACKWASH SIGHT GLASS ON WASTE DISCHARGE LINE (SAND) OR PRECOAT LINE (RM), AN AIR RELIEF VALVE AT THE HIGH POINT OF THE FILTER, AND A VALVED TANK DRAIN LINE.

*NOTE - THESE NOTES ARE INCLUSIVE OF MOST BUT NOT ALL STATE REQUIREMENTS THAT SHOULD BE ADDRESSED IN THIS SECTION. WE WILL NEED TO EDIT PER STATE AND THEN SAVE TEMPLATES FOR EACH STATE. SPECIFIC AREAS THAT NEED TO BE REVIEWED ARE THE REFERENCES TO GOVERNING CODE, MAKING NOTE OF 3PPS GRAVITY LINES AS NEEDED, AND IF THE CODE INCLUDES A SECTION ON HEAT EXCHANGERS. *



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#	DATE	DESCRIPTION
-	07/21/2025	Issue for Proposal



Trophy Club Community Pool Renovation Trophy Club, TX



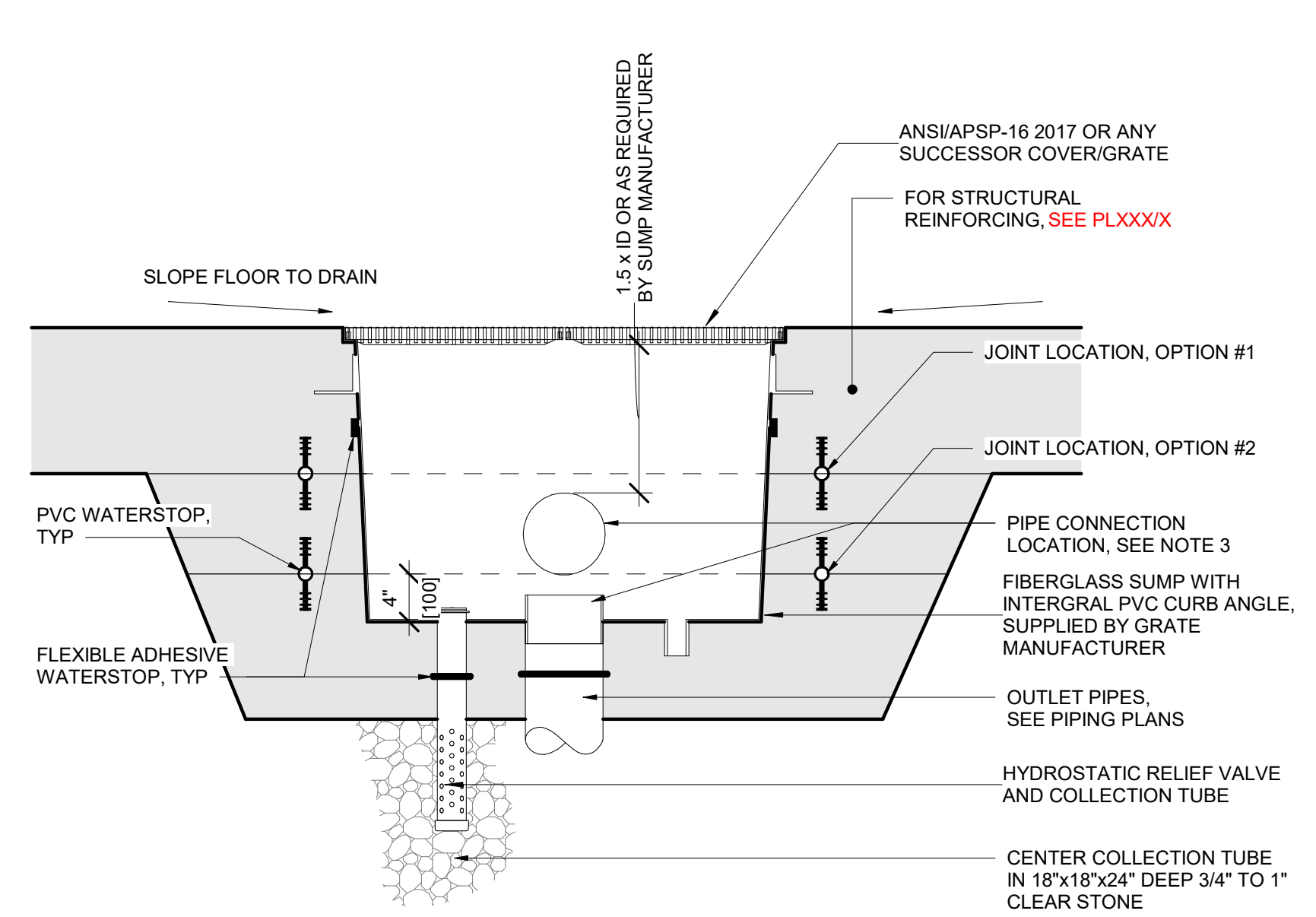
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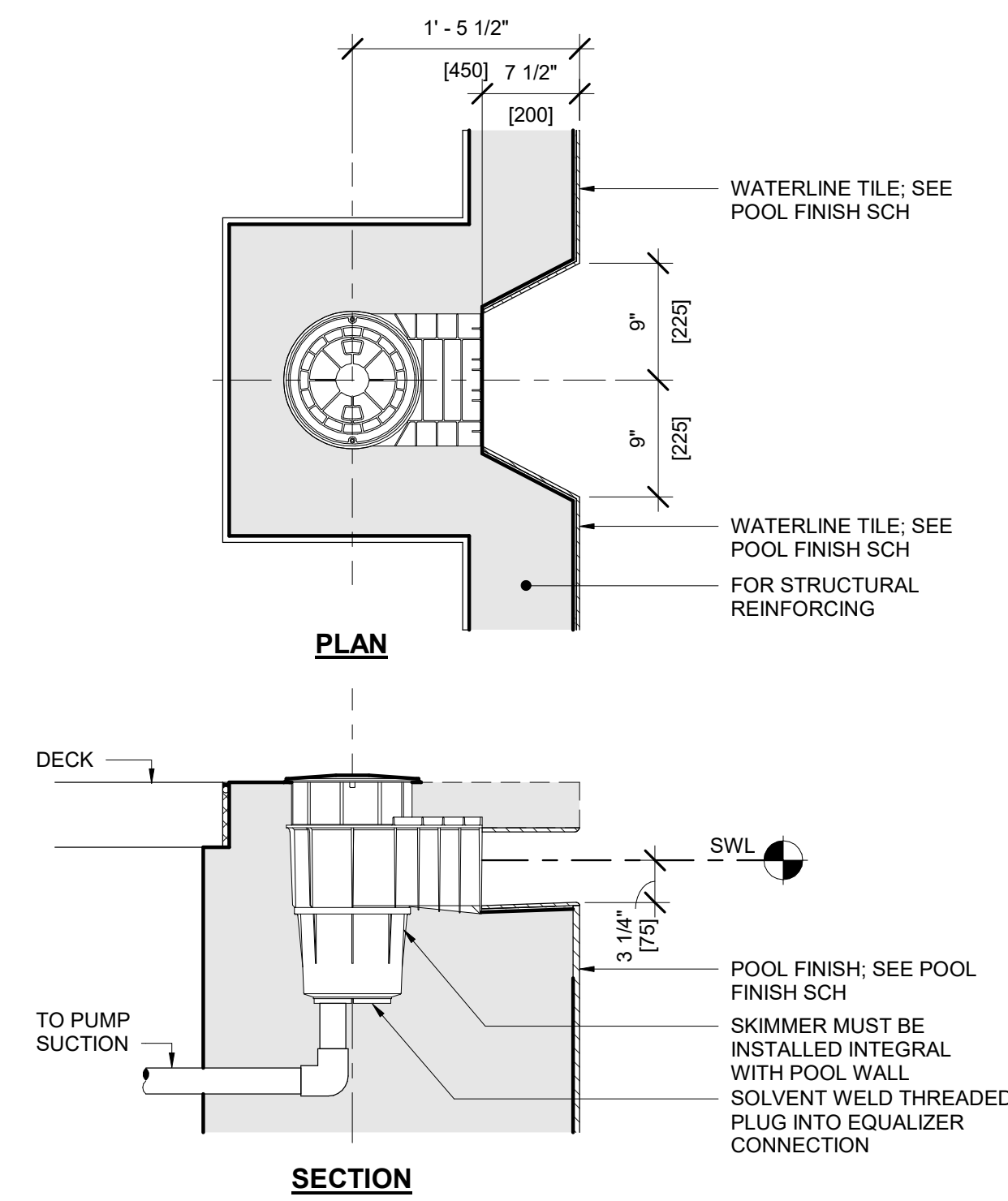
#	DATE	DESCRIPTION
1.	07/21/2025	Issue for Proposal

GENERAL DETAILS PL302



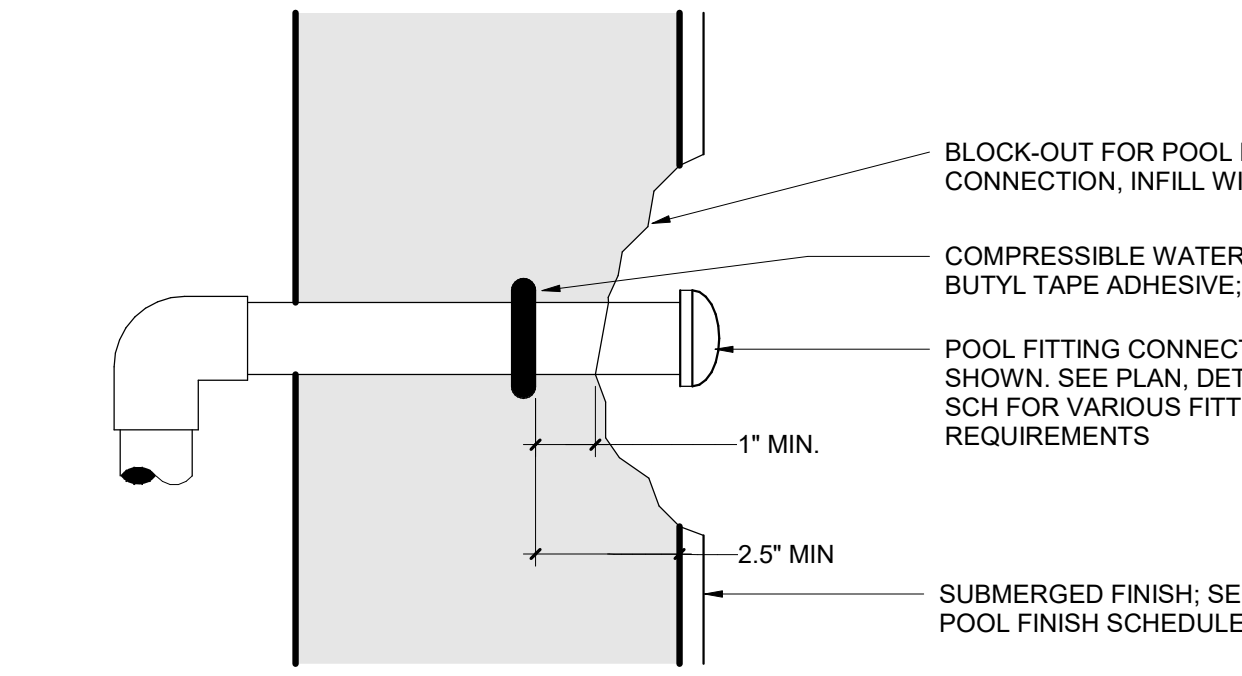
- NOTES:**
- ALL DRAIN/OUTLET SYSTEMS SHALL CONFORM WITH THE VIRGINIA GRAEME BAKER ACT AND TO CURRENT ANSI/APSP-16 STANDARD. VERIFY GRATE DIMENSIONS AND OUTLET REQUIREMENTS WITH GRATE/SUMP MANUFACTURER PRIOR TO SUBMITTING SHOP DRAWINGS.
 - THE FIBERGLASS SUMP SHALL BE SUPPLIED WITH THE GRATE AS INDICATED IN THE DRAIN SCH. SUMP MATERIALS SHALL MEET OR EXCEED THE SCHEDULED MANUFACTURER'S SPECIFICATION: 8 OZ. FIBERGLASS MAT WITH MARINE GRADE WHITE GELCOAT AND 2" MINIMUM FRP WATERSTOP AROUND THE OUTSIDE PERIMETER.
 - AT CONTRACTOR'S OPTION, SUMP MAY HAVE BOTTOM OR SIDE OUTLET PIPE CONNECTION.
 - CONTRACTOR SHALL INCLUDE ALL POOL DRAIN/WINTERIZATION PIPE CONNECTIONS AS SHOWN ON PIPING DRAWINGS.
 - ALL SUMPS REQUIRE A MINIMUM OF ONE HYDROSTATIC RELIEF PORT AND 2" VALVE. (HAYWARD MODEL SP1056) WITH COLLECTION TUBE PER SUMP, UNLESS OTHERWISE NOTED. VERTICALLY INSTALLED SUMPS, ELEVATED POOLS AND/OR POOLS CONSTRUCTED ON A VOID FORM DO NOT REQUIRE A HYDROSTATIC RELIEF VALVE SYSTEM. UNUSED HYDROSTATIC PORTS SHALL BE PLUGGED.
 - SEE DRAIN SCHEDULE AND PIPE PLANS.
 - SECURE ALL GRATING TO DRAIN SUMP WITH CORROSION RESISTANT FASTENERS IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS. FASTENERS SHALL NOT BE REMOVABLE WITHOUT THE USE OF A TOOL AND SHALL MEET ALL CURRENT ANSI/APSP-16 REQUIREMENTS. INSPECT ALL GRATING AND EACH FASTENER TO ASSURE THEY ARE IN PLACE AND PROPERLY SECURED PRIOR TO OPENING THE POOL FOR PUBLIC USE.
 - PROTECT DRAIN FROM EXTERNAL PRESSURE DURING INSTALLATION.
 - PROVIDE A REMOVABLE PLYWOOD AND A REUSABLE 1/4" PVC TOP COVER PROTECTOR WITH STAINLESS STEEL HARDWARE TO SHIELD THE INTERNALS OF EACH DRAIN SUMP FROM DEBRIS DURING CONSTRUCTION AND FOR FUTURE OWNER USE DURING WINTERIZATION AND/OR SHUTDOWN.
 - SUPPLY EACH SUMP CONNECTION PORT WITH A THREADED OR FLANGED ADAPTOR CONNECTION INSIDE THE SUMP. INCLUDE CORRESPONDING THREADED/FLANGED ADAPTOR PLUGS/FITTINGS AND STAINLESS STEEL HARDWARE FOR THE PURPOSES OF 50 PSI PRESSURE TESTING AND FUTURE WINTERIZATION AND/OR SHUTDOWN.
 - LOCATE ONE HORIZONTAL JOINT WITH CONTINUOUS PVC WATERSTOP IN THE CONCRETE SUMP AT EITHER LOCATION SHOWN ABOVE (OPTION #1 OR OPTION #2). INSTALL FLEXIBLE ADHESIVE WATERSTOPS AROUND THE FIBERGLASS SUMP AND EACH CONNECTING PIPE, PER SPECIFICATIONS.

**1 | MAIN DRAIN - DALDORADO
DETAIL VIEW
NOT TO SCALE**



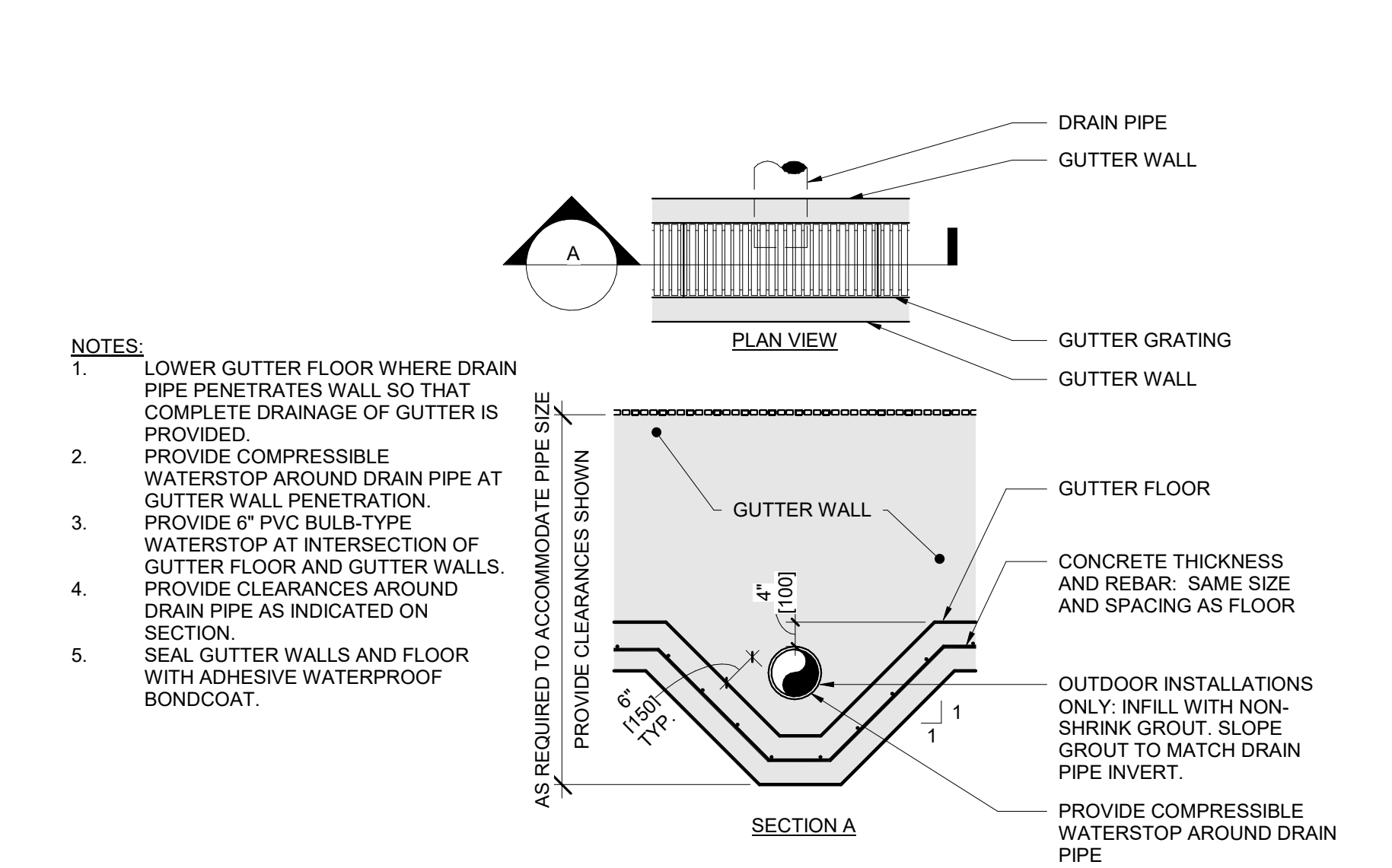
- SKIMMER SPECIFICATIONS:**
- SURFACE SKIMMER SHALL CONSIST OF A PRECISION MOLDED CYCLOAC HOUSING WITH A HEAVY DUTY COMPRESSION MOLDED THERMOSETTING PHENOLIC BASE.
 - THE BASE SHALL INCORPORATE TWO 2" NPT THREADED APERTURE WHICH SHALL ENABLE TESTING OF PIPING FROM INSIDE THE SKIMMER AS WELL AS EXTERNAL PIPE CONNECTIONS TO PUMP. BASE SHALL BE AN INTEGRAL PART OF THE SKIMMER BODY.
 - A 10" DIA NON-CORROSIVE, HEAVY DUTY, NON-SLIP DECK PLATE & FRAME SHALL BE PROVIDED FOR EASY ACCESS TO THE SKIMMER INTERIOR. THE FRAME SHALL BE MOLDED CYCLOAC & SHALL INCORPORATE A FLANGE BELOW DECK LEVEL FOR KEYING INTO CONCRETE & SHALL BE ADJUSTABLE TO PERMIT VARIATIONS IN HEIGHT & ANGLE OF DECK IN RELATION TO THE SKIMMER BODY. THE ACCESS PLATE SHALL BE MOLDED CYCLOAC & SHALL BE SECURED TO THE FRAME BY MEANS OF TWO SS SCREWS TO PREVENT VANDALISM.
 - THE SKIMMER THROAT SHALL HAVE AN INTEGRAL MOLDED WEIR STOP WITH A CUSHION ATTACHED. THE SKIMMER THROAT SHALL BE WITH AN 8.6" WIDE HEAVY DUTY MOLDED WEIR & HINGE WHICH AUTOMATICALLY ADJUSTS TO VARIATIONS IN POOL WATER LEVEL, WITHIN A 4" RANGE.
 - A REMOVABLE 7 1/2" DIA x 5 1/8" DEEP SYNTHETIC DEBRIS BASKET SHALL BE PROVIDED IN THE SKIMMER BODY.
 - A REMOVABLE FLOAT VALVE HOUSING ASSEMBLY SHALL BE REMOVED & DISCARDED.
 - AN ADJUSTABLE TRIMMER VALVE SHALL BE FITTED TO THE SKIMMER BASE TO PROVIDE AN ACCURATE FLOW ADJUSTMENT, THUS PERMITTING EQUALIZATION OF FLOW OF ALL SKIMMERS.
 - SURFACE SKIMMER SHALL BE SWIMQUIP MANUFACTURED BY STA-RITE INDUSTRIES, CATALOG #08650-1404. U-3 MOLDED ABS SKIMMER WITH WHITE LID & FRAME, 2" SLIP WITH 1 1/2" SLIP REDUCERS; INCLUDE FLOAT & CHECK VALVE AND BASKET. PROVIDE WITH ASME A112.19.8-2007 CERTIFIED, WHITE, EQUALIZER FITTING & COVER. PLUG EQUALIZER FITTING CONNECTION.

**3 | SKIMMER PIPING
DETAIL VIEW
NOT TO SCALE**

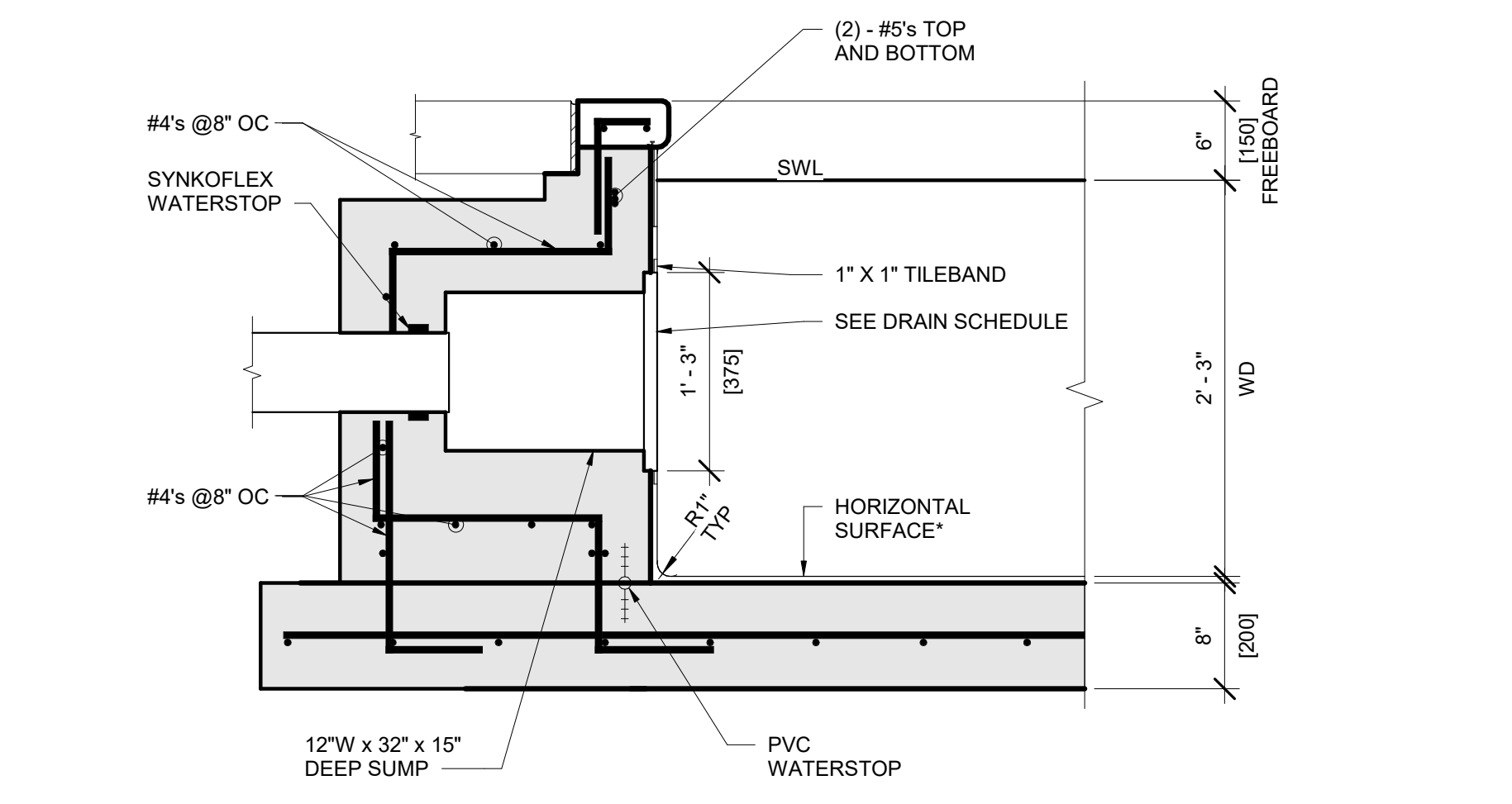


- NOTES:**
- DETAIL ILLUSTRATES COMPRESSIBLE WATERSTOP FOR PIPE PENETRATIONS THROUGH POOL SHELL. SEE PIPING PLANS AND DETAILS FOR APPLICABLE INSTALLATION LOCATIONS.
 - BASIS OF DESIGN FOR 6" OD PIPES OR LARGER IS TYPE KBA-1510FP COMPRESSIBLE WATERSTOP BY ADEKA. FOR PIPES SMALLER THAN 6" OD USE SYNKOFLEX FLEXIBLE WATERSTOP. SUBSTITUTIONS MUST BE APPROVED BY ENGINEER.
 - DIMENSION ABOVE IS A MIN FOR CONCRETE COVERAGE AND DOES NOT INCLUDE THE POOL FINISH. PROVIDE ADDITIONAL CONCRETE COVERAGE IF POSSIBLE.
 - PROTECT WATERSTOP FROM WATER, DIRT, DEBRIS, AND DAMAGE PRIOR TO COVERING WITH CONCRETE.
 - SEE SPECIFICATION SECTION 131120 FOR ADDITIONAL WATERSTOP REQUIREMENTS.
 - STEEL REINFORCEMENT OMITTED FOR CLARITY. SEE STRUCTURAL DETAILS FOR TYPICAL WALL/FLOOR REINFORCING STEEL REQUIREMENTS AND STEEL REQUIREMENTS AROUND PIPE PENETRATIONS. SPACING BETWEEN REINFORCING STEEL AND WATERSTOP SHALL BE NO LESS THAN 1.5xDIAMETER OF THE LARGEST AGGREGATE IN THE APPROVED CONCRETE MIX. INSTALL WATERSTOP ON POOL FINISH SIDE OF REINFORCING STEEL.

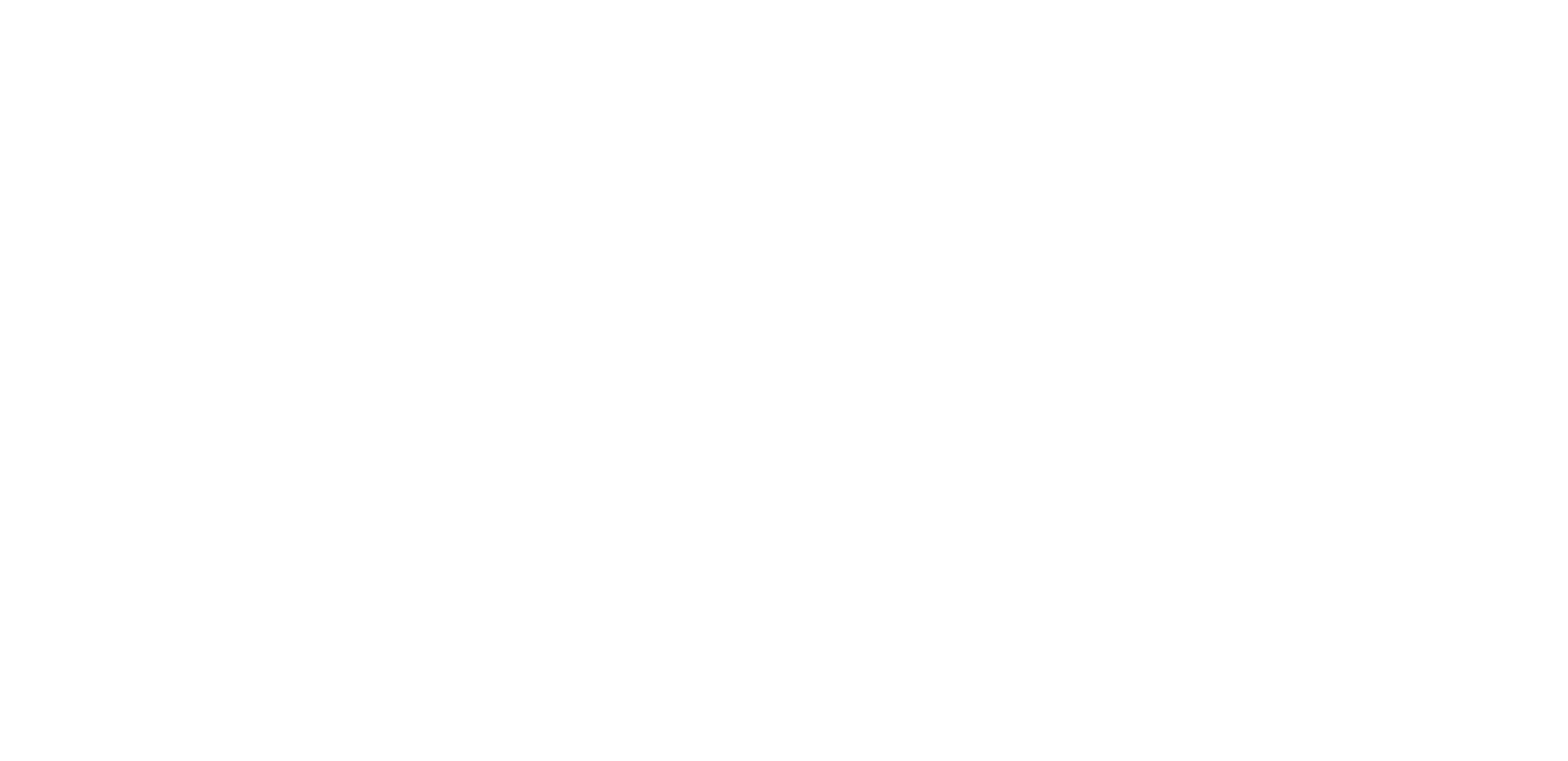
**4 | WATERSTOP DETAIL - TYPICAL POOL PIPE PENETRATION
DETAIL VIEW
NOT TO SCALE**



**5 | GUTTER DRAIN PIPE PENETRATION
DETAIL VIEW
NOT TO SCALE**



**6 | POOL WALL SUMP
DETAIL VIEW
NOT TO SCALE**

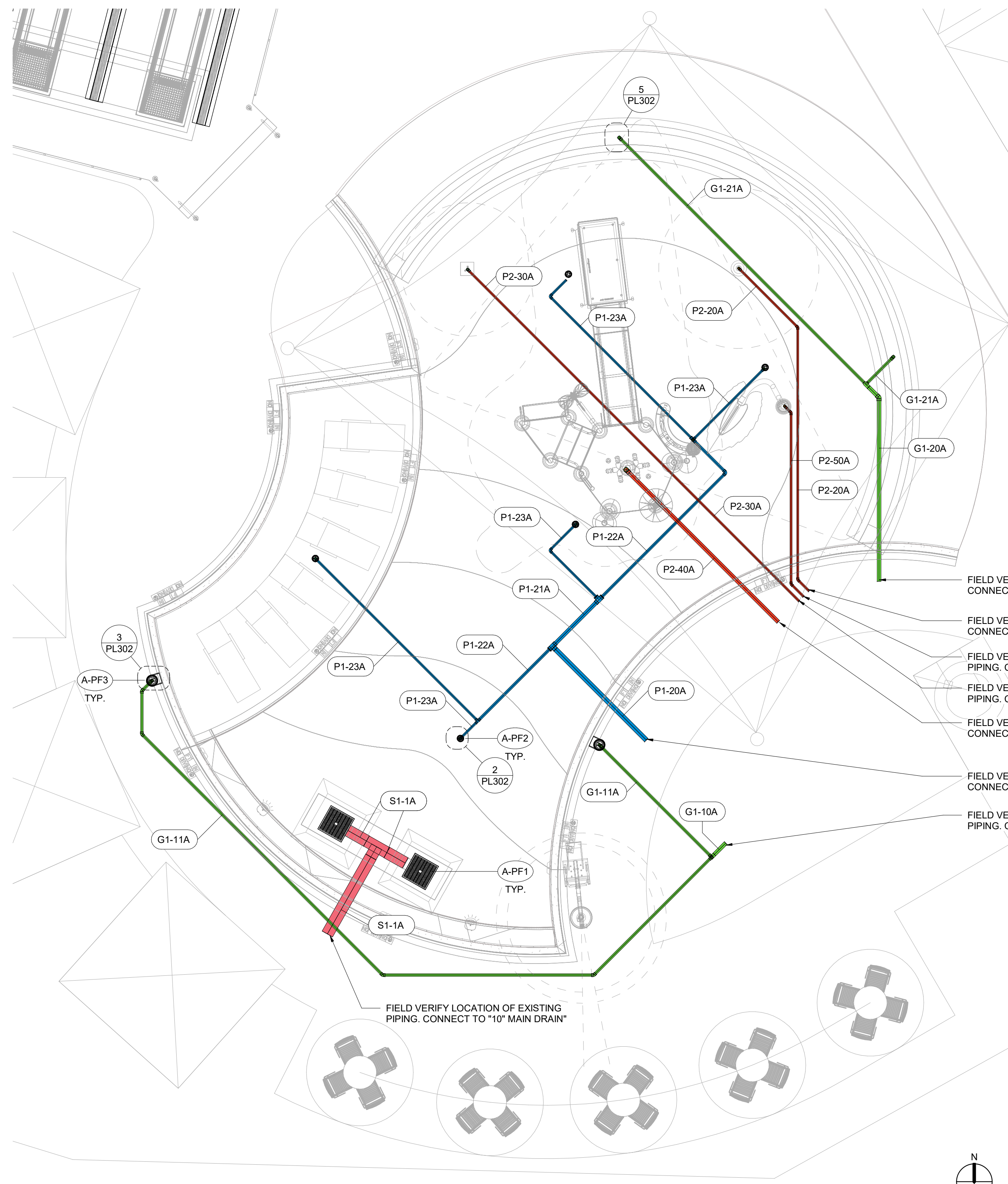


**2 | FLOOR INLET
DETAIL VIEW
NOT TO SCALE**

DRAIN SCHEDULE

DRAIN / GRATE ID	MFGR & MODEL #	DRAIN/GRATE MFGR SPECIFICATIONS				MAX ALLOWABLE FLOW PER GRATE (gpm)	CONNECTED PUMPS	SYSTEM TOTAL DESIGN FLOW (gpm)	DESIGN DATA				
		DIMENSIONS		OPEN AREA					DRAIN / GRATE QTY	FLOW PER GRATE (gpm)	VELOCITY (fps)	SYSTEM MAXIMUM	
		WIDTH (ft)	LENGTH (ft)	PER GRATE (in2)	TOTAL (in2)							FLOW PER GRATE (gpm)	VELOCITY (fps)
A-PF1	DALDORADO: DalMAX-SG-242430	2.0	3.0	357.00	714.00	330	P1A, P2A	343	2	171	0.15	430	0.39
B-PF1	DALDORADO: DalMAX-SG-183628	1.5	3.0	401.00	802.00	385	P1B, P2B	600	2	300	0.24	600	0.48
B-PF1.1	DALDORADO: DalMAX-SG-183628	1.5	3.0	401.00	401.00	385	GRAVITY ONLY	600	1	600	0.48	1200	0.96

NOTE: THE SYSTEM MAXIMUM FLOW RATE AND VELOCITY HAS BEEN DETERMINED BY USING THE FLOW RATE AT THE END OF THE PUMP MANUFACTURER'S PUMP CURVE. ALL DRAIN/OUTLET SYSTEMS SHALL CONFORM WITH THE VIRGINIA GRAEME BAKER ACT AND TO CURRENT ANSI/APSP-16 STANDARD.



- FIELD VERIFY LOCATION OF EXISTING PIPING. CONNECT TO "4" TRENCH DRAIN"
- FIELD VERIFY LOCATION OF EXISTING PIPING. CONNECT TO "2" SHEET FLOW"
- FIELD VERIFY LOCATION OF EXISTING PIPING. CONNECT TO "4" BUBBLER SUPPLY"
- FIELD VERIFY LOCATION OF EXISTING PIPING. CONNECT TO "3" JET SUPPLY"
- FIELD VERIFY LOCATION OF EXISTING PIPING. CONNECT TO "6" FOUNTAIN SUPPLY"
- FIELD VERIFY LOCATION OF EXISTING PIPING. CONNECT TO "4" FILTERED RETURN"
- FIELD VERIFY LOCATION OF EXISTING PIPING. CONNECT TO "3" SKIMMER DRAIN"
- FIELD VERIFY LOCATION OF EXISTING PIPING. CONNECT TO "10" MAIN DRAIN"

POOL A - LEISURE POOL PIPE SCHEDULE

PIPE ID	TYPE	NPS (in)	FLOW (gpm)	VELOCITY (fps)	DESCRIPTION
S1-1A	PVC SCH 80	10	343	1.6	FILTRATION + ACTIVITY TO TANK
G1-10A	PVC SCH 40	3	69	3.0	GRAVITY - SKIMMER
G1-11A	PVC SCH 40	2.5	35	2.4	GRAVITY - SKIMMER
G1-20A	PVC SCH 40	4	103	2.6	GRAVITY - ZDE TRENCH DRAIN
G1-21A	PVC SCH 40	3	52	2.3	GRAVITY - ZDE TRENCH DRAIN
P1-20A	PVC SCH 80	4	172	4.9	INLET SUPPLY
P1-21A	PVC SCH 80	3	103	5.1	INLET SUPPLY
P1-22A	PVC SCH 80	2	69	7.7	INLET SUPPLY
P1-23A	PVC SCH 80	1.5	34	6.4	TYPICAL INLET SUPPLY CONNECTION
P2-20A	PVC SCH 80	1.5	18	3.4	AQUA DOME
P2-30A	PVC SCH 80	1.5	3	0.6	JET STREAM
P2-40A	PVC SCH 80	4	142	4.0	PLAY STRUCTURE
P2-50A	PVC SCH 80	1.5	8	1.5	SINGLE LEAF

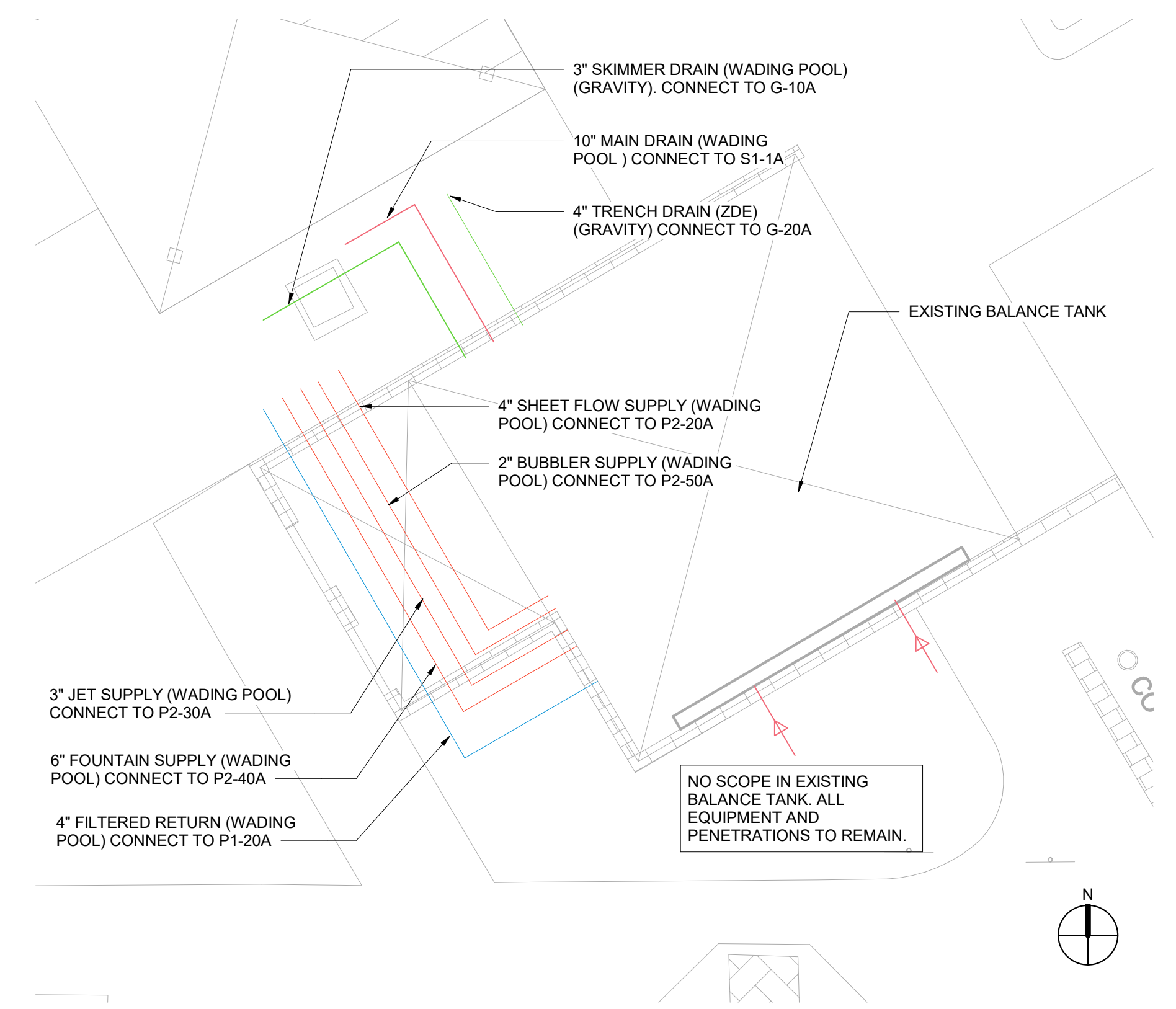
SCHEDULE - POOL FIXTURES

POOL ID	EQUIPMENT ID	FIXTURE	QTY.	MANUFACTURER	DESCRIPTION
A	PF 1	DRAIN SUMP & GRATE	2	DALDORADO	SEE DRAIN SCHEDULE
A	PF 2	FLOOR INLET	5	STA-RITE	ADJUSTABLE FLOOR INLET FITTING. MODEL NUMBER 8417-0000, 1-1/2" OR 2" IPS SOLVENT WELD, MOLDED ABS PLASTIC BODY WITH INTERNAL NPT THREADS AND ADJUSTING TOP PLATE WITH VANDAL PROOF LOCKING DEVICE. WHITE IN COLOR
A	PF 3	SKIMMER	2	WATERWAY	COMMERCIAL RENEGADE GUNITE IN-GROUND SKIMMER WITH NSF50 APPROVAL FOR 75 GPM FLOW RATE. MANUFACTURED BY WATERWAY PLASTICS. CATALOG # 540-6360. MATERIALS: MOLDED PVC PLASTIC SKIMMER WITH ROUND WHITE LID & FRAME. 2.5" SPIGOT X 2" NPT X 2" NPT CONNECTIONS, FLOAT/CHECK VALVE AND REMOVABLE CLEANING BASKET. PLUG EQUALIZER FITTING CONNECTION.

POOL A-LEISURE POOL DATA

DESCRIPTION	QTY	UNITS
POOL PERIMETER	186	FEET
WATER SURFACE AREA	1,903	SQUARE FEET
POOL WATER TEMPERATURE	80	°F
POOL VOLUME	15,473	GALLONS
CIRCULATION RATE	172	GPM
TURNOVER/VOLUME/FLOW	90 MIN.	
FILTRATION RATE	7.29	GPM/FT²
BACKWASH FLOW	177	GPM

NOTE: THE EXISTING 10" DRAIN PIPING CONVEYED THE EXISTING RECIRCULATION FLOWRATE DESIGNED FOR 160 GPM AND THE ORIGINAL ACTIVITY FLOW OF 850 GPM, FOR A TOTAL FLOWRATE OF 1,010. THE NEW S1-1A, 10" DRAIN PIPE CONVEYS THE NEW RECIRCULATION FLOWRATE OF 172 GPM AND THE NEW ACTIVITY FLOW OF 171 GPM TO THE EXISTING TANK FOR NEW TOTAL FLOWRATE OF 343 GPM.



- 3" SKIMMER DRAIN (WADING POOL) (GRAVITY). CONNECT TO G-10A
- 10" MAIN DRAIN (WADING POOL) CONNECT TO S1-1A
- 4" TRENCH DRAIN (ZDE) (GRAVITY) CONNECT TO G-20A
- EXISTING BALANCE TANK
- 4" SHEET FLOW SUPPLY (WADING POOL) CONNECT TO P2-20A
- 2" BUBBLER SUPPLY (WADING POOL) CONNECT TO P2-50A
- 3" JET SUPPLY (WADING POOL) CONNECT TO P2-30A
- 6" FOUNTAIN SUPPLY (WADING POOL) CONNECT TO P2-40A
- 4" FILTERED RETURN (WADING POOL) CONNECT TO P1-20A
- NO SCOPE IN EXISTING BALANCE TANK. ALL EQUIPMENT AND PENETRATIONS TO REMAIN.

Parkhill

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Trophy Club Community Pool Renovation
Trophy Club, TX

TROPHY CLUB

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07/21/2025 Issue for Proposal

POOL A PIPING PLAN
PL310

7/18/2025 10:55:05 AM

1 POOL A PIPING PLAN
PLAN VIEW
3/16" = 1'-0"

2 EXISTING PIPING PLAN
PLAN VIEW
3/16" = 1'-0"



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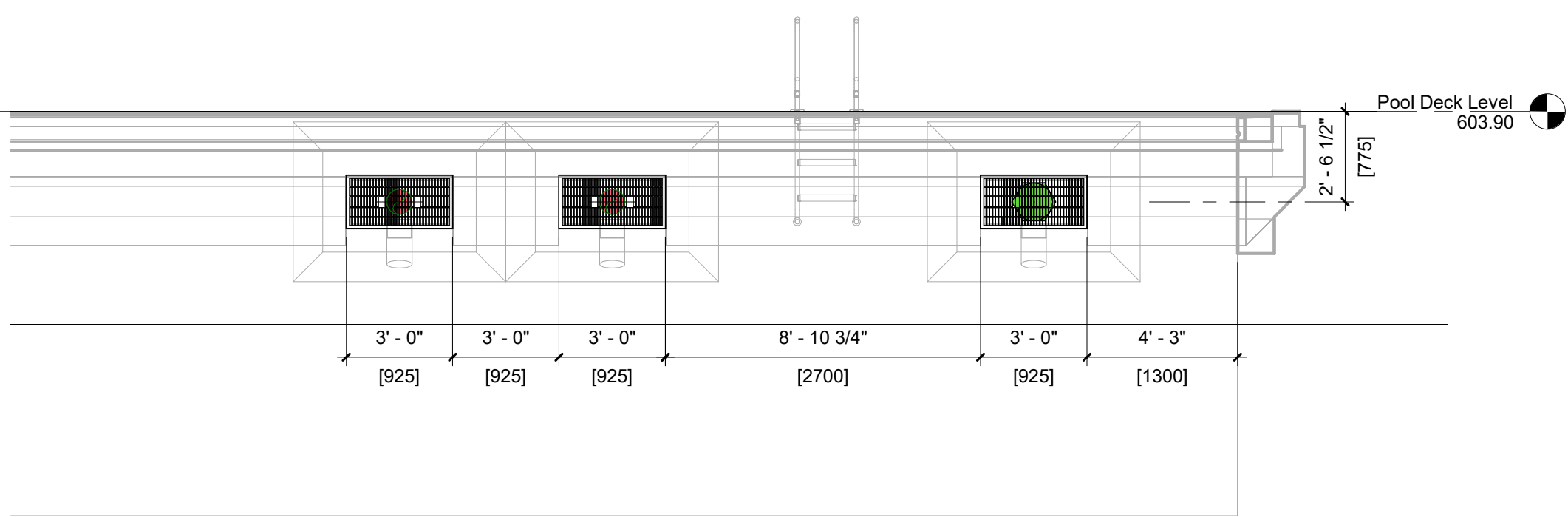
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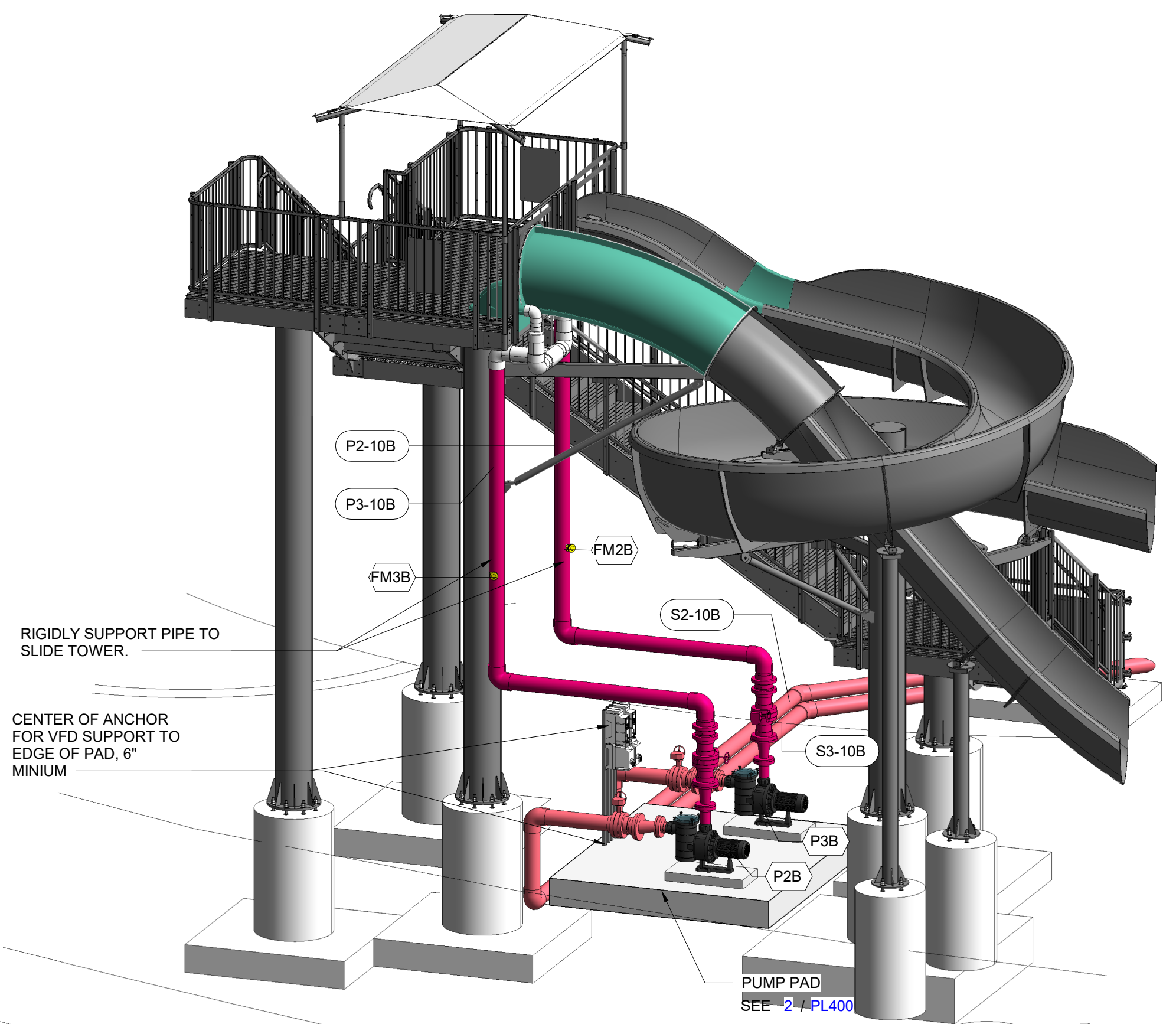
POOL B PIPING PLAN
PL320

SYSTEM B - LAP POOL SLIDE COMPLEX PIPE SCHEDULE

PIPE ID	TYPE	NPS (in)	FLOW (gpm)	VELOCITY (fps)	DESCRIPTION
S2-5B	PVC SCH 80	8	600	4.3	SLIDE SUCTION (COMBINED SLIDES)
S2-10B	PVC SCH 80	6	300	3.8	SLIDE SUCTION (OPEN FLUME)
P2-10B	PVC SCH 80	6	300	3.8	SLIDE SUPPLY (OPEN FLUME)
S3-10B	PVC SCH 80	6	300	3.8	SLIDE SUCTION (ENCLOSED FLUME)
P3-10B	PVC SCH 80	6	300	3.8	SLIDE SUPPLY (ENCLOSED FLUME)
G-10B	PVC SCH 40	12	600	3.2	SLIDE RUNOUT DRAIN

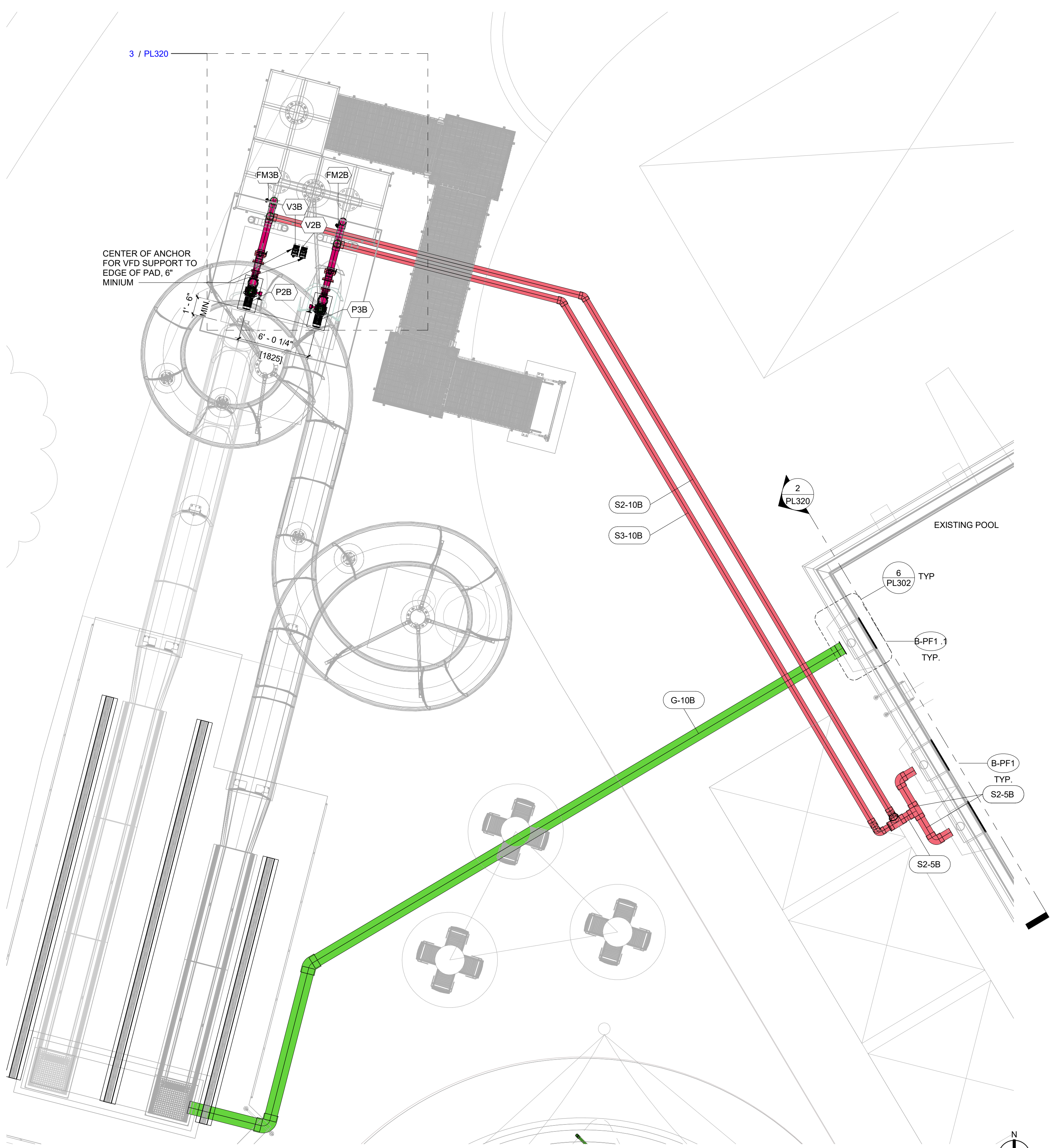


2 | SLIDE SUMP LOCATIONS
ELEVATION VIEW
1/4" = 1'-0"



SEE PL401 FOR EQUIPMENT SCHEDULES

3 | SLIDE PIPING
PL320



1 | SYSTEM B PIPING CONCEPT PLAN
PLAN VIEW
3/16" = 1'-0"

7/18/2025 11:19:39 AM

ULTRA VIOLET DISINFECTION SCHEDULE

ID TAG	POOL ID	MANUFACTURER	MODEL	PIPE SIZE (IN)	TOTAL POWER (KW)	POWER REQUIRED (VOLTAGE/PHASE /HZ)	BREAKER SIZE (AMPS)	NOTES
UV1A	A	EVOQUA	WF-115-4	4	1.5	208/220/230/240V, 1PH (50/60 HZ)	20	1,3,4
UV1C	EXISTING	EVOQUA	WF-215-6	6	3	208/220/230/240V, 1PH (50/60 HZ)	30	2,3,4

- PROVIDE WITH 4" ETS "EZ" STRAINER VALVE.
- PROVIDE WITH 6" ETS "EZ" STRAINER VALVE.
- INSTALL PER DETAILS SEE PL401 & UV MANUFACTURER'S RECOMMENDATIONS.
- SEE SPECIFICATIONS SECTION 13 11 35.

PUMP SCHEDULE

ID TAG	POOL ID	MANUFACTURER	MODEL	PUMP TYPE	FLOW (GPM)	TDH (FT)	POWER (HP)	MOTOR SPEED (RPM)	NOTES
P2B	B	HAYWARD	HCP40753	SLIDE	300	65	7.5	3450	1,2
P3B	B	HAYWARD	HCP40753	SLIDE	300	65	7.5	3450	1,2

- HAYWARD PUMPS - TEFC MOTOR, END SUCTION, CLOSED COUPLED, SELF PRIMING. PROVIDE WITH INTEGRAL STRAINER AND EXTRA STRAINER BASKET. POWER REQUIRED - 230/460 V, 3 PHASE, 60 HERTZ. HAYWARD PUMPS COME FROM FACTORY WIRED FOR 460V, IF 230V IS BEING USED, THE MOTOR WILL NEED TO BE RE-WIRED PER MANUFACTURER'S REQUIREMENTS FOR 230V. SEE SPECIFICATIONS SECTION 13 11 25.
-

VFD SCHEDULE

ID TAG	POOL ID	MANUFACTURER	MODEL	HP	VOLTAGE	PHASE	NOTES
V2B	B	ABB	ACH580-PDR-012A-4+B058	7.5	480	3	1,2,3
V3B	B	ABB	ACH580-PDR-012A-4+B058	7.5	480	3	1,2,3

- PROVIDE WITH UL TYPE 3R.
- VFD WITH INPUT DISCONNECT AND FUSES ONLY.
- SEE SPECIFICATIONS SECTION 13 11 26.

CHEMICAL CONTROLLER SCHEDULE

ID TAG	MANUFACTURER	MODEL	NOTES
C1A	BECS TECHNOLOGY, INC.	BECSys5 FOC	1,2
C1C	BECS TECHNOLOGY, INC.	BECSys5 FOC	1,2

- SEE CHEMICAL CONTROLLER SPECIFICATION FOR OPTIONS.
- ADD ALTERNATE

CHLORINE FEEDER SCHEDULE

ID TAG	POOL ID	MANUFACTURER	MODEL	SODIUM HYPOCHLORITE MAXIMUM OUTPUT (GAL/DAY)	NOTES
CP1A	A	STENNER	85M3	40	1,2,3
CP1C	EXISTING	STENNER	85M5	85	1,2,3

- POWER REQUIRED - 120 V, 1 PHASE, 15 AMP.
- USE SODIUM HYPOCHLORITE FOR DISINFECTANT. PROVIDE WITH WEIGHTED FOOT STRAINER.
- ADD ALTERNATE

pH FEEDER SCHEDULE

ID TAG	POOL ID	MANUFACTURER	MODEL	ACID MAXIMUM OUTPUT (GAL/DAY)	NOTES
AP1A	A	STENNER	85M3	40	1,2,3
AP1C	EXISTING	STENNER	85M5	85	1,2,3

- POWER REQUIRED - 120 V, 1 PHASE, 15 AMP.
- USE MURIATIC ACID FOR pH CONTROL. PROVIDE WITH WEIGHTED FOOT STRAINER.
- ADD ALTERNATE

FLOW METER SCHEDULE

FM SENSOR ID TAG	POOL ID	MANUFACTURER	MODEL	SYSTEM DESCRIPTION	PUMP TAG	PIPE SIZE (IN)	FLOW (GPM)	NOTES
FM2B	B	SIGNET	3-2551-P1-12	SLIDE	P2B	6	300	1,2,3
FM3B	B	SIGNET	3-2551-P1-12	SLIDE	P3B	6	300	1,2,3

- FLOW TO BE DISPLAYED ON VFD.
- PROVIDE WITH PVC-U CLAMP-ON SADDLE. SIGNET MODEL NUMBER PV8S060 (6")
- PROVIDE WITH NEMA 4X ENCLOSURE.

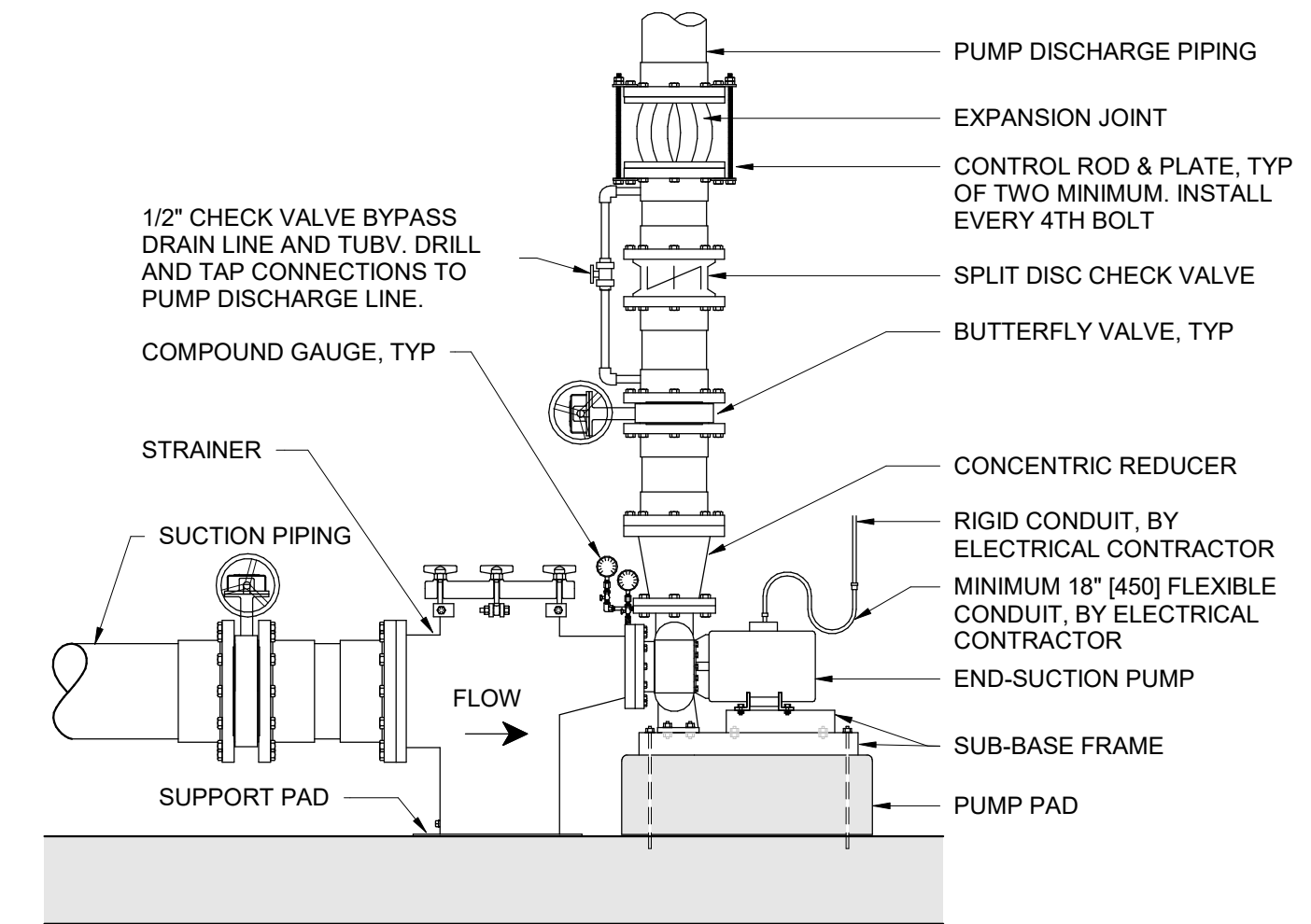
SCOPE NOTE:

REFER TO PL510 AND PL520 FOR PLACEMENT OF TAGGED, NEW EQUIPMENT IN EXISTING SYSTEMS.

THE SCOPE OF WORK FOR THE POOL RECIRCULATION EQUIPMENT IS AS FOLLOWS:
 POOL A- THE CONTRACT SCOPE DOES NOT MODIFY THE PIPES INTO OR OUT OF THE EXISTING TANK. EXISTING PUMPS, FILTERS, AND ANCILLARY EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED FOR REPLACEMENT IN THE SCHEDULES ON THIS PAGE.

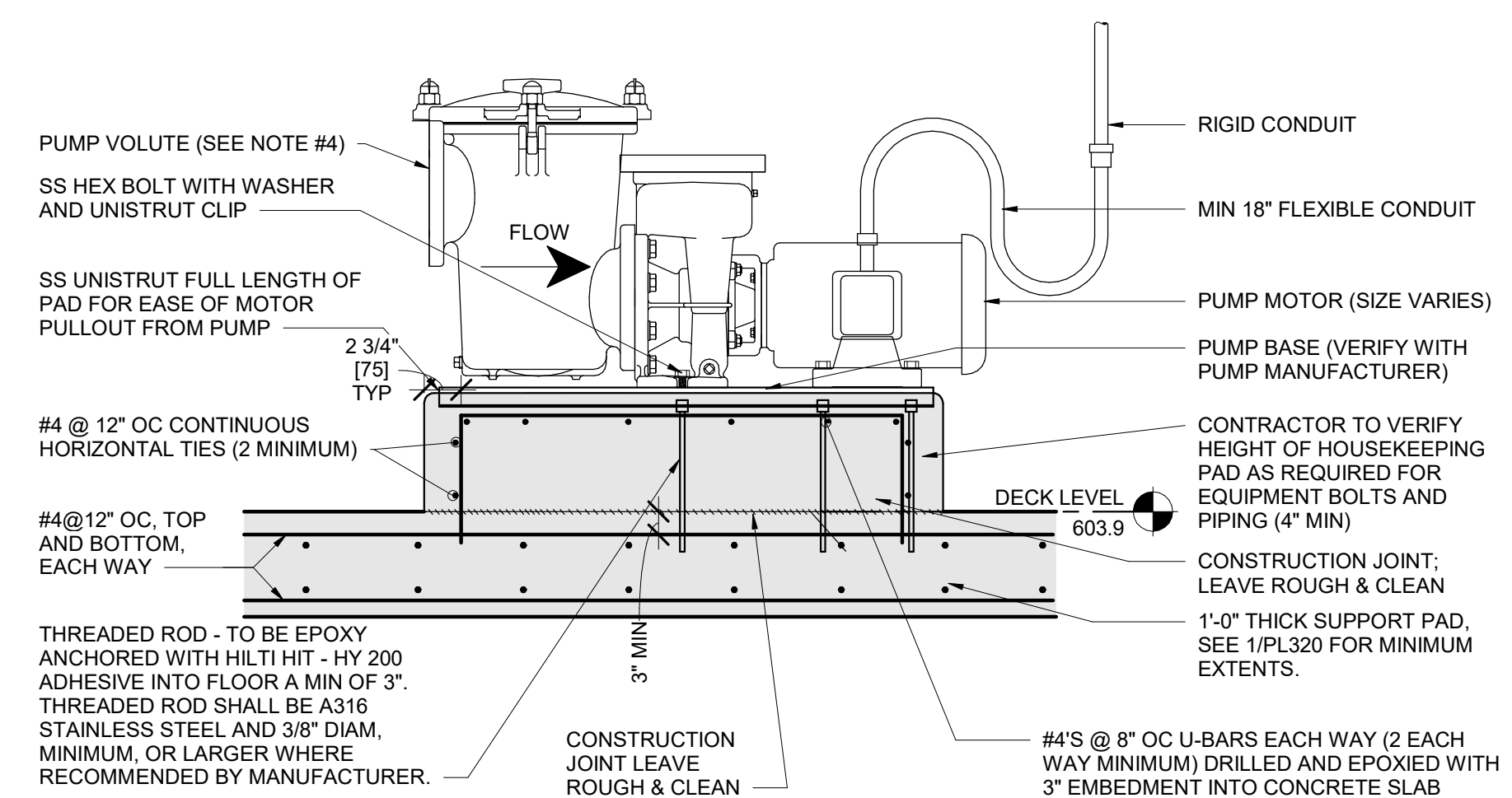
SYSTEM B- THE CONTRACT SCOPE DOES NOT MODIFY THE EXISTING COMPETITION POOL (POOL C) FILTRATION SYSTEM. SCOPE INCLUDES THE ADDITION OF REMOTELY LOCATED SLIDE PUMPS WHICH TAKE DIRECT SUCTION FROM THE POOL WALL AND RETURN WATER TO THE POOL. EXISTING COMPETITION POOL FILTRATION EQUIPMENT TO REMAIN UNLESS OTHERWISE NOTED FOR REPLACEMENT IN THE SCHEDULES ON THIS PAGE.

SYSTEM C: THE EXISTING COMPETITION POOL.



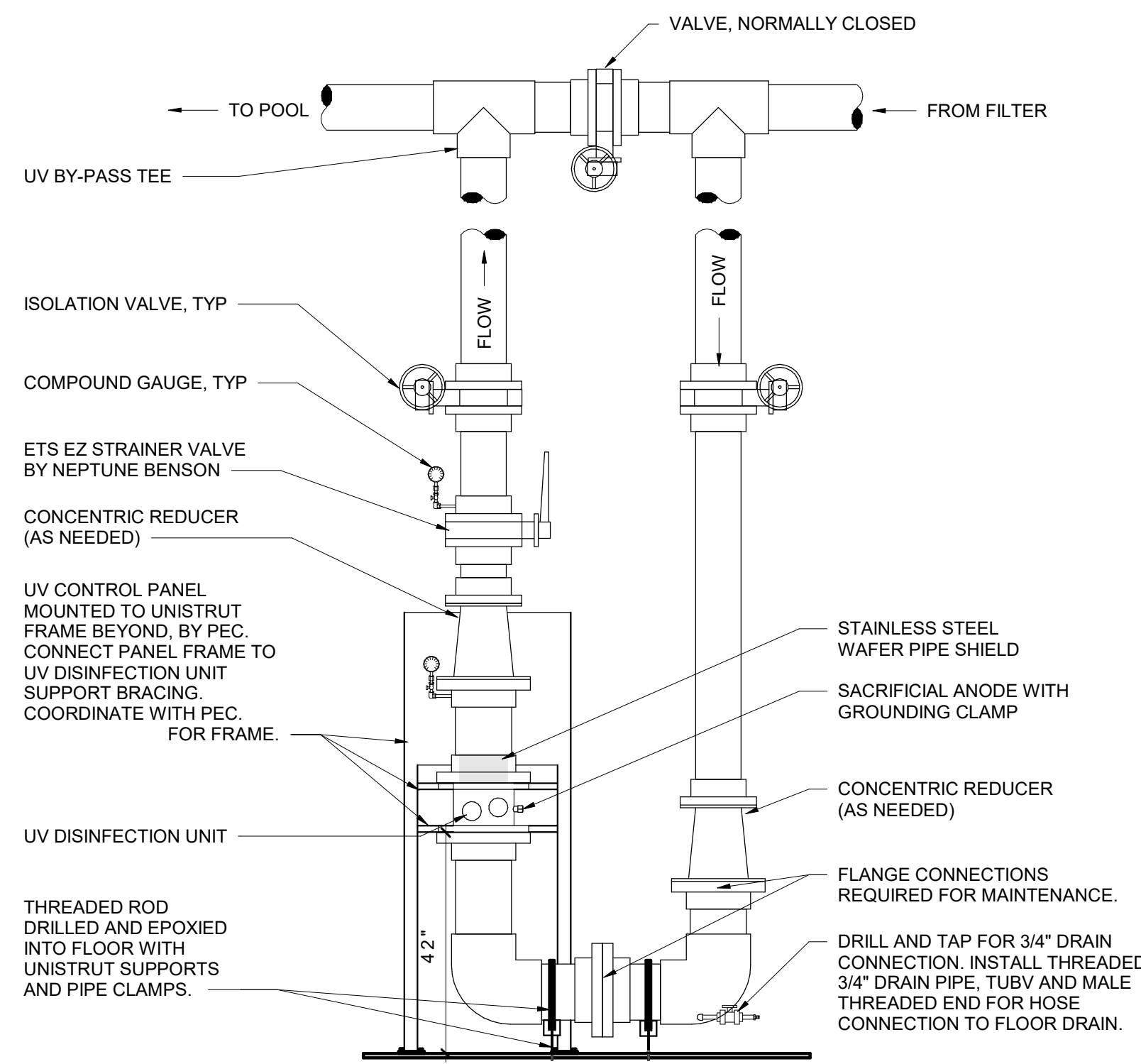
- NOTES:
- REFER TO EQUIPMENT SCHEDULES FOR A STRAINER TYPE AND SIZE. SUPPLY AND INSTALL ECCENTRIC REDUCER ON SUCTION SIDE AS NECESSARY.
 - INSTALL COMPOUND GAUGES USING 1/4" NPT TAPS SUPPLIED ON THE PUMP SUCTION AND DISCHARGE.
 - INSTALL CHECK VALVE PER MANUFACTURER'S RECOMMENDATIONS.

1 PL400 PUMP INSTALLATION - SLIDE
DETAIL VIEW
NOT TO SCALE



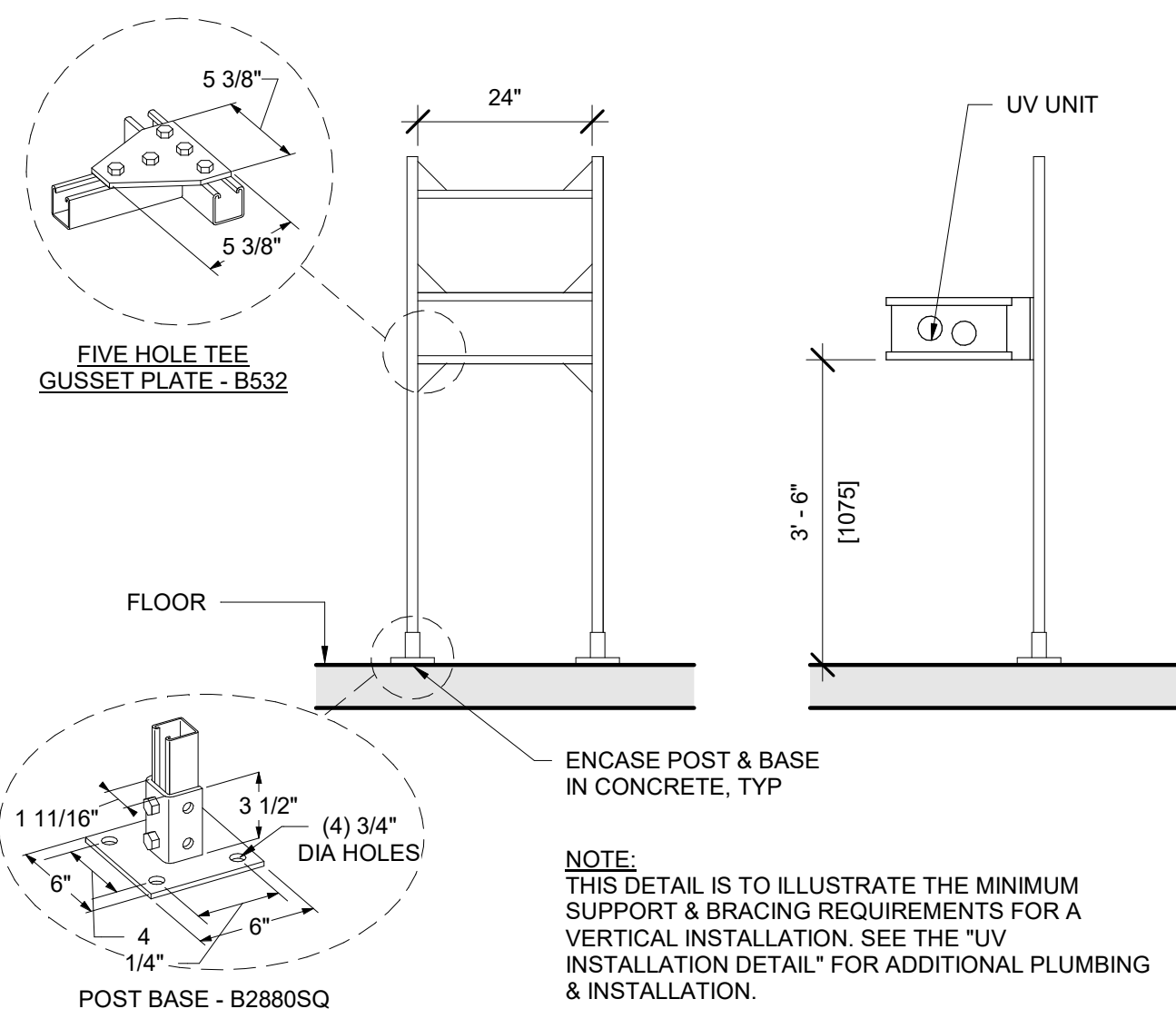
- NOTES:
- PAD SIZE SHALL BE MIN INDICATED OR AS SHOWN ON THE PLANS OR AS INDICATED BY THE MANUFACTURER.
 - THE SIZE, NUMBER, TYPE, LOCATION, AND THREAD PROJECTION OF THE ALL THREAD ROD SHALL BE DETERMINED BY THE EQUIPMENT MANUFACTURER/INSTALLING CONTRACTOR. ALL THREAD ROD SHALL BE HELD IN POSITION WITH A TEMPLATE WHILE PAD IS BEING POURED.
 - EQUIPMENT BASES SHALL BE INSTALLED LEVEL UNLESS SPECIFIED OTHERWISE. EQUIPMENT BASES SHALL BE PROVIDED AND INSTALLED BY CONTRACTOR. SIZES AND LOCATIONS TO BE VERIFIED BY CONTRACTOR.
 - DO NOT ALLOW PUMP VOLUTE TO CARRY WEIGHT OF PIPING. PROVIDE SUPPORT FOR VOLUTE AS ILLUSTRATED ABOVE. SIMILARLY PROVIDE SUPPORT FOR PUMP SUCTION AND DISCHARGE PIPING WHILE ALLOWING FOR PUMP REMOVAL.

2 PL400 PUMP PAD
DETAIL VIEW
NOT TO SCALE

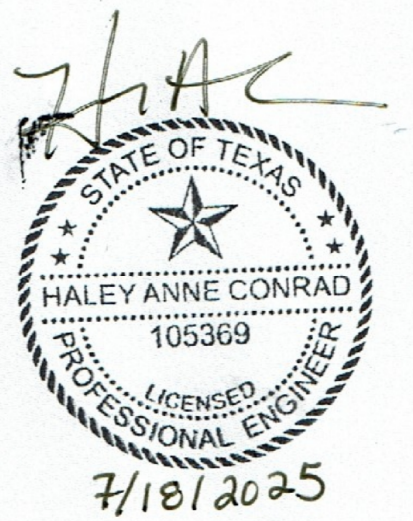


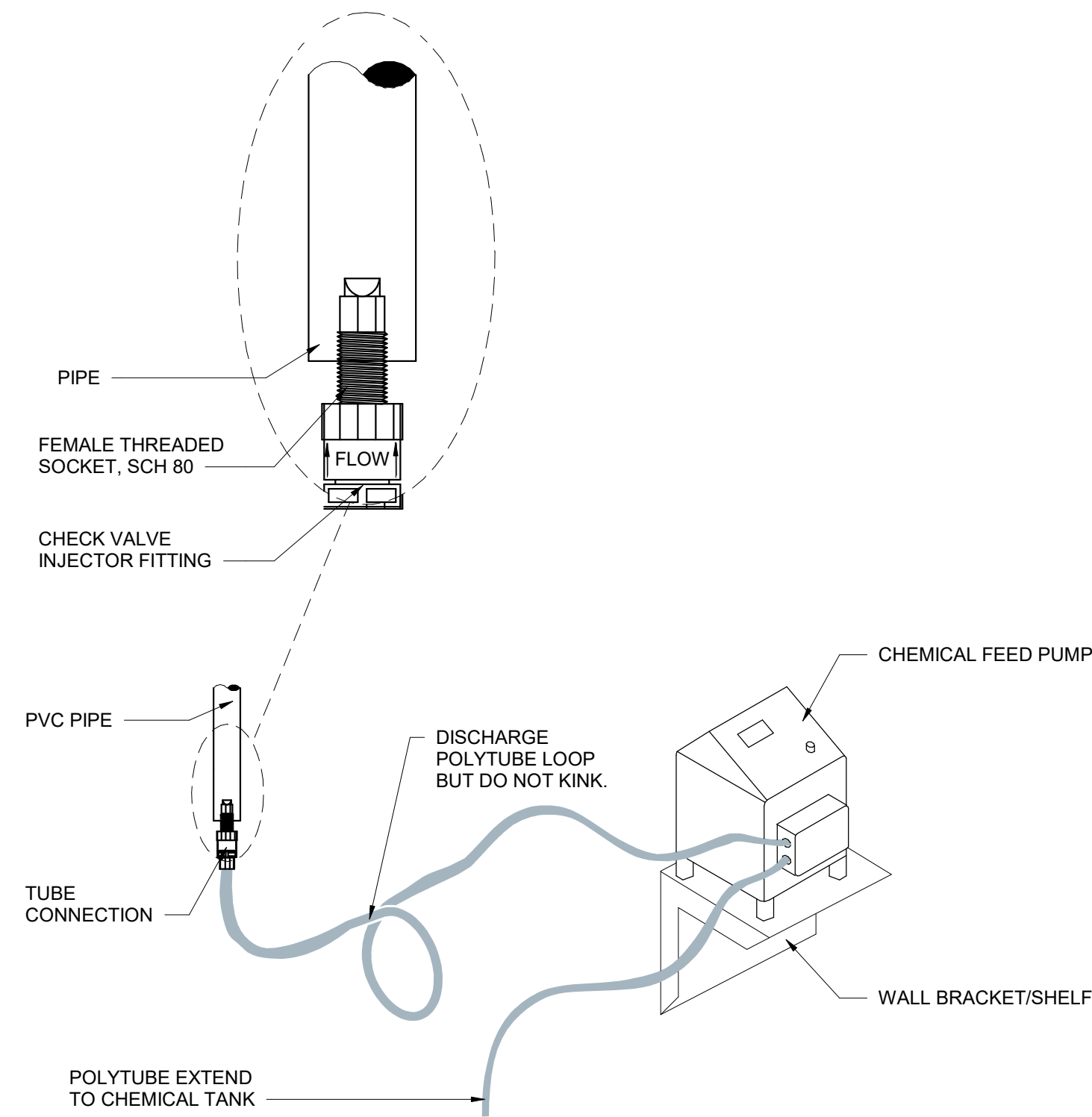
- NOTES:
- ALL PIPING & FITTINGS TO & FROM UV UNIT TO THE "UV BY-PASS TEES" SHALL BE SCH 80 PVC.
 - ALL PIPE REDUCTIONS SHALL BE WITH A CONCENTRIC REDUCER AS SHOWN. NO BUSHINGS ALLOWED.
 - COORDINATE INSTALLATION WITH ELECTRICAL CONTRACTOR. CONTROL BOX SHALL BE INSTALLED WITHIN 10 FT OF UNIT, WHENEVER POSSIBLE.
 - PROVIDE CLEARANCE AS REQUIRED ADJACENT TO UV UNIT FOR REMOVAL & REPLACEMENT OF UV LAMPS. DO NOT INSTALL VALVES DIRECTLY TO CHAMBER BODY. INSTALL STAINLESS STEEL WAFER PIPE SHIELD SUPPLIED WITH THE UV UNIT.
 - UV UNIT SHALL BE PROPERLY SUPPORTED & BRACED. SEE REFERENCED "UV SUPPORT & BRACING DETAIL". COMBINE CONTROL PANEL FRAME SUPPORTS WITH THE LAMP SUPPORT BRACING TO FORM A SINGLE FRAME/STRUCTURE.
 - UV LAMP AND PANEL MUST BE PROPERLY BONDED AND GROUNDED. PER MANUFACTURER'S INSTRUCTIONS, CONNECT GROUND WIRE TO GROUND CLAMP ON SACRIFICIAL ANODE. CONNECT THIS BONDING WIRE TO THE FRONT CHAMBER FOOT TERMINAL. CONNECT THE SEPARATE UV CONTROL PANEL GROUND WIRE (COMING FROM THE UV CONTROL PANEL) TO THE SAME LOCATION AT THE FRONT CHAMBER FOOT BRACKET.

3 PL400 UV DISINFECTION
DETAIL VIEW
NOT TO SCALE



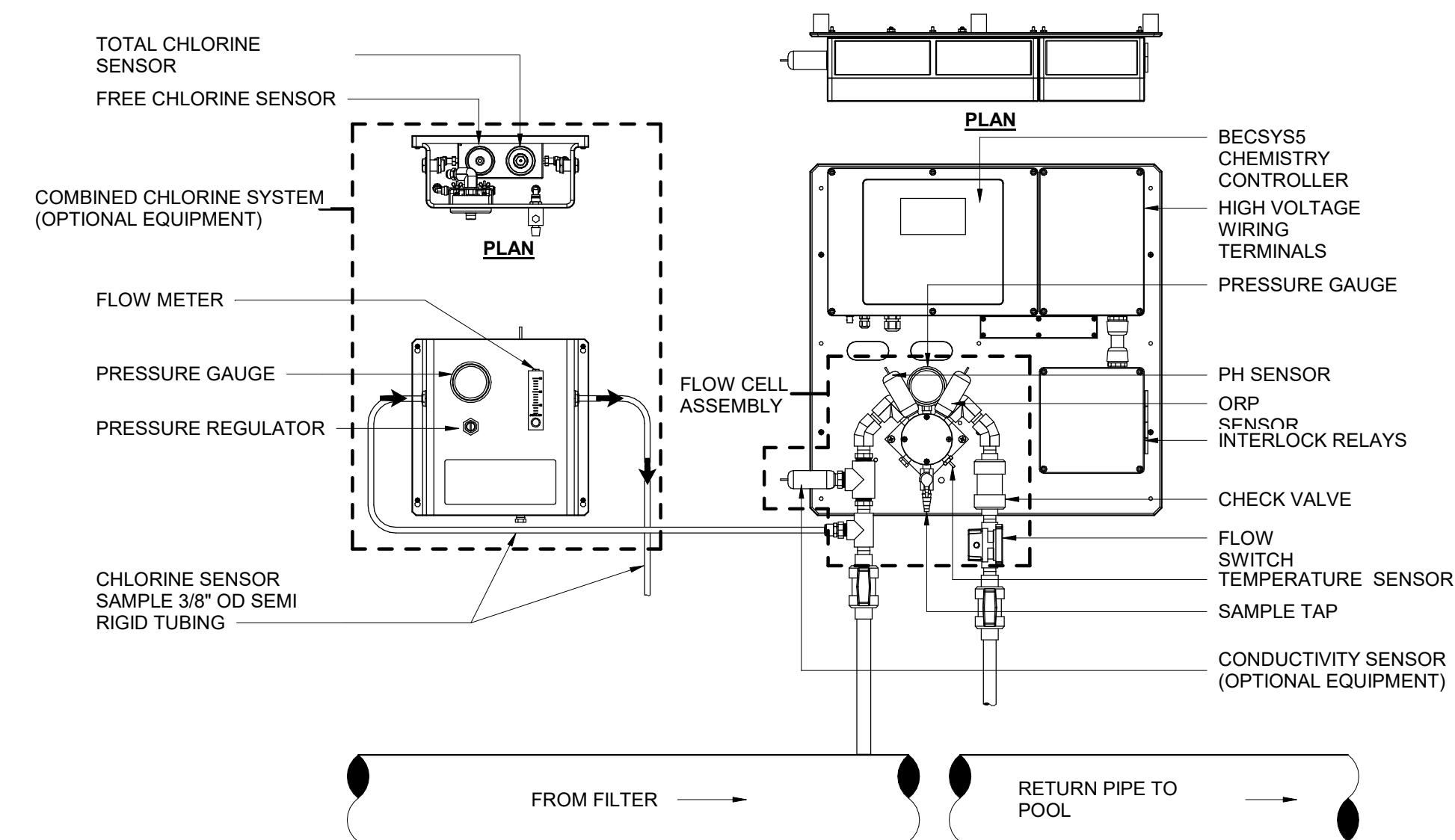
4 PL400 UV SUPPORT & BRACING
DETAIL VIEW
NOT TO SCALE





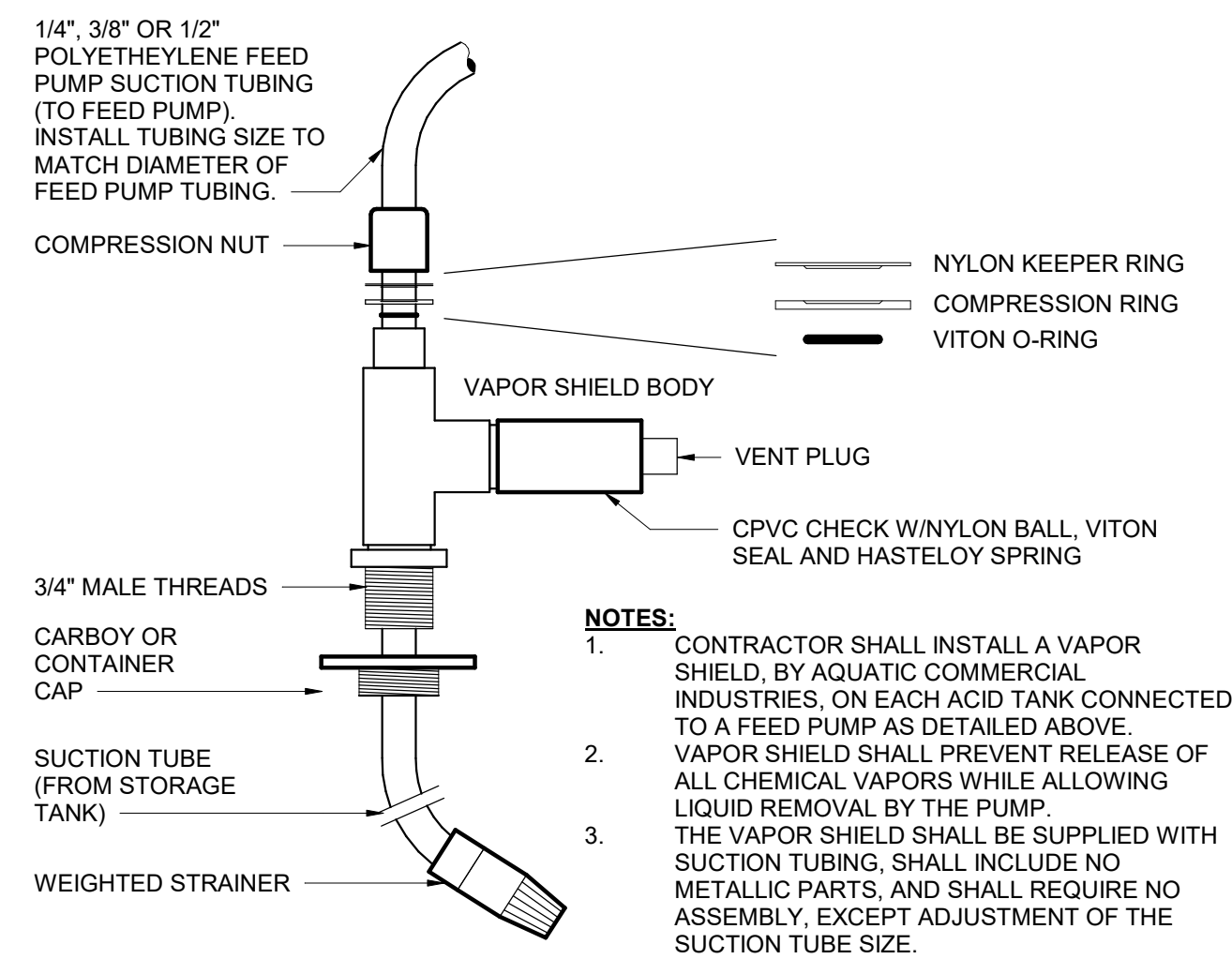
- NOTES:**
1. FOR PIPING USE FASTITE CONNECTOR OR SIMILAR COMPRESSION FITTING.
 2. FOR POLYTUBING MATCH FEED PUMP TUBING MATERIAL TYPE AND SIZE.
 3. POLYTUBING AND CHECK VALVE INJECTOR SHALL BE SUPPLIED WITH THE PUMP BY THE MANUFACTURER RATED FOR THE SYSTEM PRESSURE AND COMPATIBLE WITH THE POOL CHEMICALS.

3 CHEMICAL INJECTION
 PL401
 DETAIL VIEW
 NOT TO SCALE



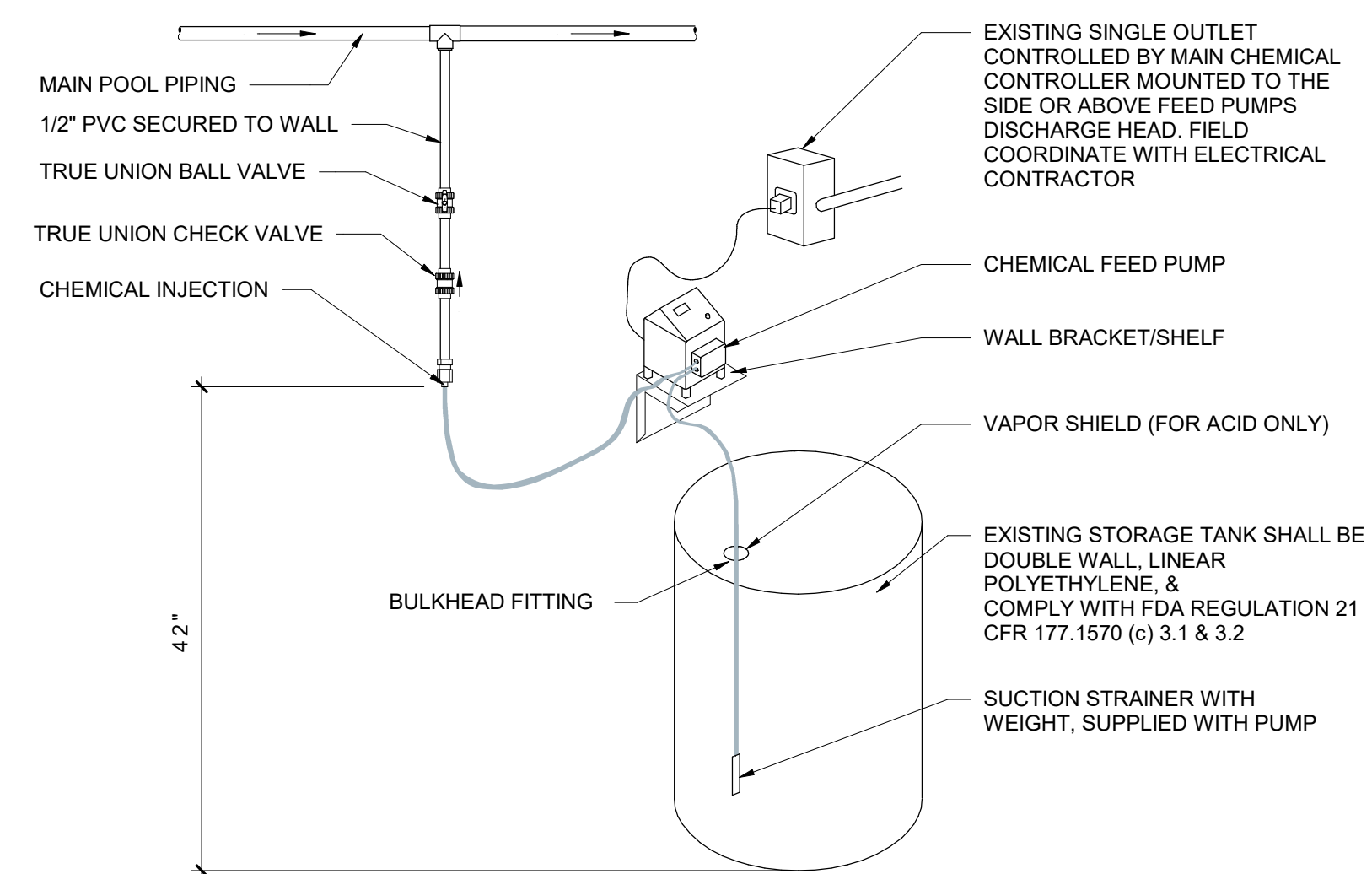
- NOTES:**
1. PROVIDE STAINLESS STEEL MOUNTING HARDWARE AS REQUIRED FOR WALL TYPE.
 2. INTERLOCK CHEMICAL CONTROL RELAYS WITH FILTRATION PUMP.
 3. SEE CHEMICAL CONTROLLER SPECIFICATIONS FOR REQUIRED OPTIONAL EQUIPMENT.
 4. RIGIDLY SECURE BACK PANEL TO BUILDING WALL, APPROXIMATELY 5'-8" ABOVE FINISHED FLOOR, IN LOCATION INDICATED IN PLAN.
 5. CHEMICAL SAMPLING STREAMS SHALL TERMINATE AT THE AUTOFILL WITH 6" AIR GAP.

1 CHEMICAL CONTROLLER
 PL401
 DETAIL VIEW
 NOT TO SCALE



- NOTES:**
1. CONTRACTOR SHALL INSTALL A VAPOR SHIELD, BY AQUATIC COMMERCIAL INDUSTRIES, ON EACH ACID TANK CONNECTED TO A FEED PUMP AS DETAILED ABOVE.
 2. VAPOR SHIELD SHALL PREVENT RELEASE OF ALL CHEMICAL VAPORS WHILE ALLOWING LIQUID REMOVAL BY THE PUMP.
 3. THE VAPOR SHIELD SHALL BE SUPPLIED WITH SUCTION TUBING, SHALL INCLUDE NO METALLIC PARTS, AND SHALL REQUIRE NO ASSEMBLY, EXCEPT ADJUSTMENT OF THE SUCTION TUBE SIZE.

4 VAPOR SHIELD
 PL401
 DETAIL VIEW
 NOT TO SCALE



NOTE: MOUNT & INSTALL PER MANUFACTURERS RECOMMENDATIONS. ALL MOUNTING & INSTALLATION MATERIALS & HARDWARE TO BE CORROSION RESISTANT.

2 CHEMICAL FEED PUMP ISOMETRIC
 PL401
 DETAIL VIEW
 NOT TO SCALE



**Trophy Club Community
 Pool Renovation
 Trophy Club, TX**



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Pool Renovation
Trophy Club, TX



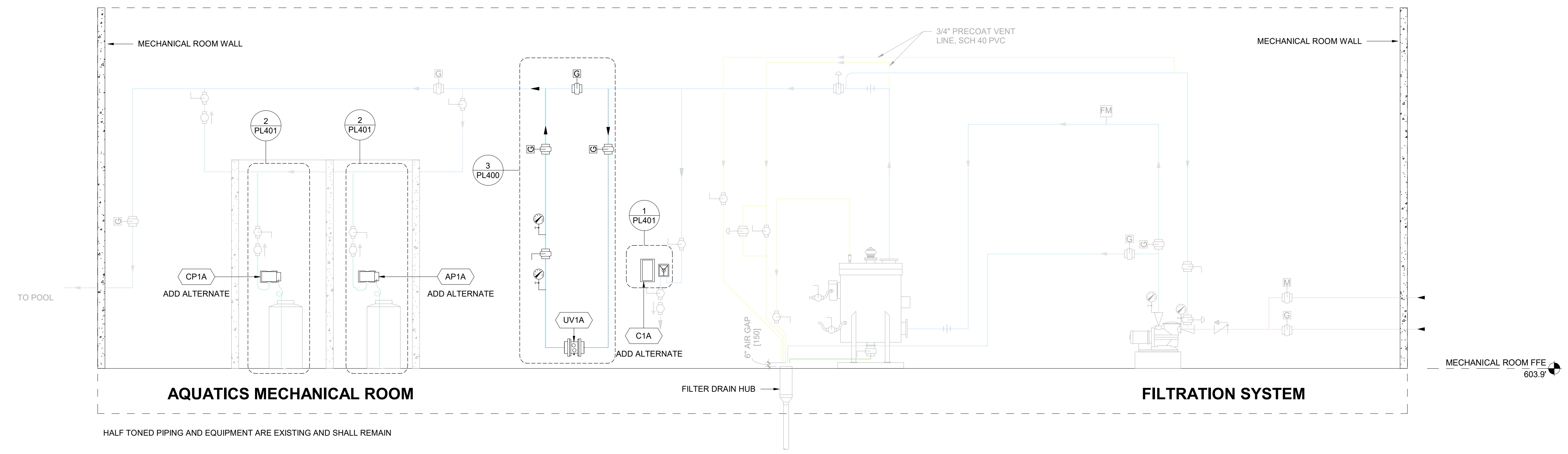
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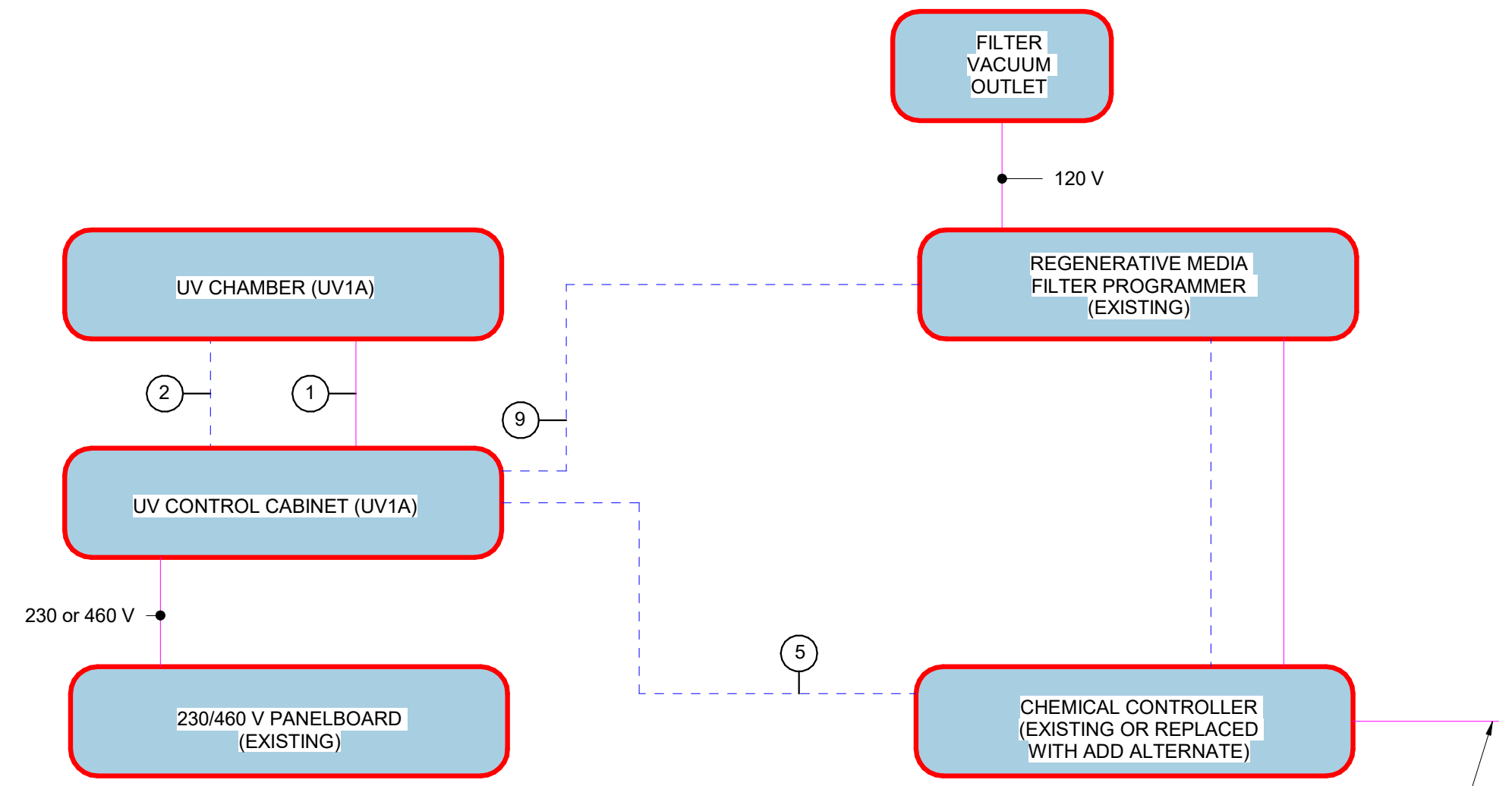
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-	07/21/2025	Issue for Proposal

POOL A MECHANICAL SCHEMATIC (UV REPLACEMENT)
PL510



2 | POOL A MECHANICAL SCHEMATIC
PL510
DETAIL VIEW
NOT TO SCALE



SEQUENCE OF OPERATIONS - SWIMMING POOL WITH REGENERATIVE MEDIA FILTER SYSTEM

ULTRAVIOLET (UV) DISINFECTION UNIT:

- THE UV UNIT IS NORMALLY ON.
- THE UV UNIT SHALL BE INTERLOCKED SUCH THAT IF THE FILTRATION PUMP FAILS (SIGNAL VIA THE FILTER PROGRAMMER), OR THE FILTER PROGRAMMER IS IN THE PRECOAT, BUMP, OR OFF MODES, THE FILTER PROGRAMMER SHALL SEND A SIGNAL TO TURN OFF THE UV.
- THE UV NORMALLY RUNS IN VARIABLE POWER MODE.
- COMBINED CHLORINE UV CONTROL: WITH FREE AND TOTAL CHLORINE SENSORS, THE CONTROLLER SHALL PROVIDE UV BOOST CONTROL OF A UV SYSTEM BASED UPON THE COMBINED CHLORINE SET POINT. WHEN COMBINED CHLORINE IS ABOVE THE SET POINT THE UV SYSTEM SHALL BOOST TO 100% TO INCREASE THE CHLORAMINE DESTRUCTION RATE. THE UV SHALL RETURN TO VARIABLE POWER MODE ONCE COMBINED CHLORINE DROPS BELOW THE SET POINT.

POOL EQUIPMENT OPERATING MODES

FILTRATION PROGRAMMER OPERATING MODE	UV
BUMP	O
PRECOAT	O
OFF	O
FILTRATION	X

"X" INDICATES THE EQUIPMENT IS ENERGIZED/RUNNING.
"O" INDICATES THE EQUIPMENT IS NOT ENERGIZED.

- NOTES:**
- LOW VOLTAGE <=24V. ALL LOW VOLTAGE WIRING IS SUPPLIED, INSTALLED AND CONNECTED BY THE POOL CONTRACTOR.
 - IF CONDUIT IS REQUIRED BY CODE FOR LOW VOLTAGE WIRING, THEN THIS MUST BE SPECIFIED BY THE ELECTRICAL CONSULTANT AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
 - IF CODE REQUIRES THAT LOW VOLTAGE WIRING IS INSTALLED BY A LICENSED ELECTRICAL CONTRACTOR THEN THIS MUST BE SPECIFIED BY THE ELECTRICAL CONSULTANT.
 - CONDUIT, WIRE SIZES, AND SHIELDING REQUIREMENTS SHALL BE DETERMINED & SPECIFIED BY THE ELECTRICAL CONSULTANT AS NEEDED PER LOCAL BUILDING AND ELECTRICAL CODE REQUIREMENTS.
 - THIS SCHEMATIC DRAWING IS NOT AN ELECTRICAL INSTALLATION DIAGRAM AND IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE POOL CONTRACTOR TO COORDINATE ALL INTERLOCKS WITH THE ELECTRICAL CONTRACTOR. THE POOL CONTRACTOR IS RESPONSIBLE TO PROVIDE AN OPERATING SYSTEM PER THE SEQUENCE OF OPERATIONS.

- KEYNOTES: (#)**
- WIRING (LAMP POWER CORD) FURNISHED WITH UV UNIT AND INSTALLED BY THE ELECTRICAL CONTRACTOR. FINAL CONNECTIONS TO UV CHAMBER AND CONTROL CABINET BY POOL CONTRACTOR.
 - FURNISHED WITH UV UNIT AND INSTALLED BY POOL CONTRACTOR
 - NOT USED
 - NOT USED
 - UV BOOST SIGNAL BASED ON COMBINED CHLORINE.
 - NOT USED
 - NOT USED
 - NOT USED
 - NOT USED
 - WHEN FILTER PROGRAMMER IS OFF, PRECOAT OR BUMP MODE OR THE FILTRATION PUMP NOT RUNNING DUE TO POWER FAILURE, THIS CONNECTION SHALL DEACTIVATE THE CONNECTED POOL EQUIPMENT. COORDINATE WIRING REQUIREMENTS WITH EQUIPMENT MANUFACTURER.
 - NOT USED
 - NOT USED
 - NOT USED

- LEGEND:**
- LOW VOLTAGE
 - LINE VOLTAGE
 - CONTRACTOR TO COORDINATE WITH EQUIPMENT REQUIREMENTS
 - (D) DISCONNECT - LOCATE AT EQUIPMENT PER CODE REQUIREMENTS

3 | POOL A ELECTRICAL SCHEMATIC (UV REPLACEMENT)
PL510
DETAIL VIEW
NOT TO SCALE



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 Trophy Club, TX



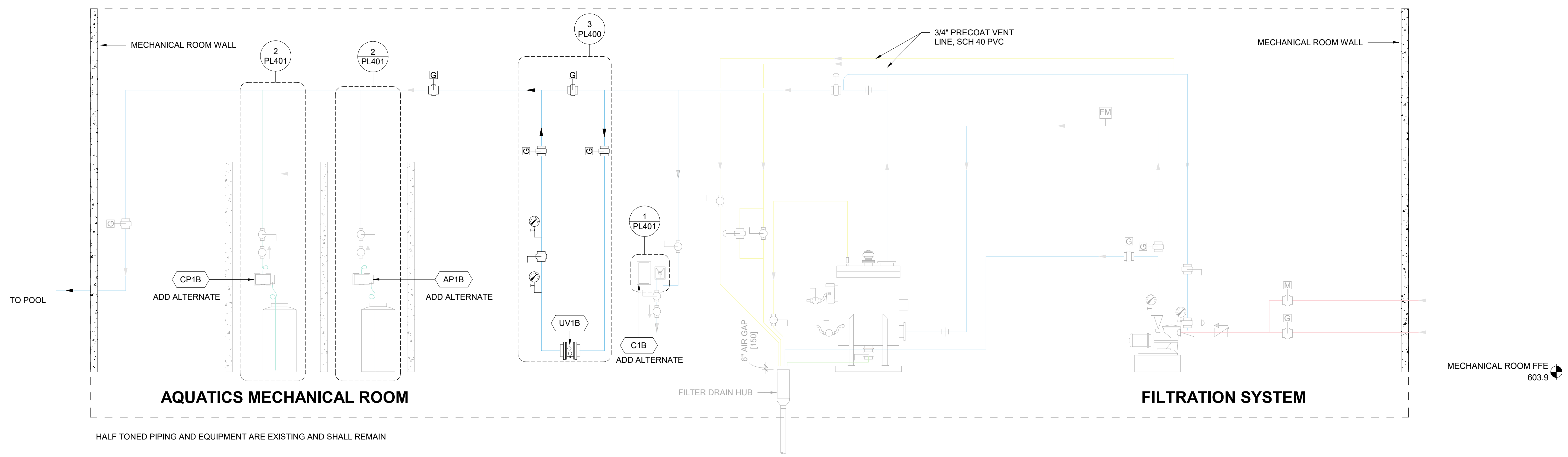
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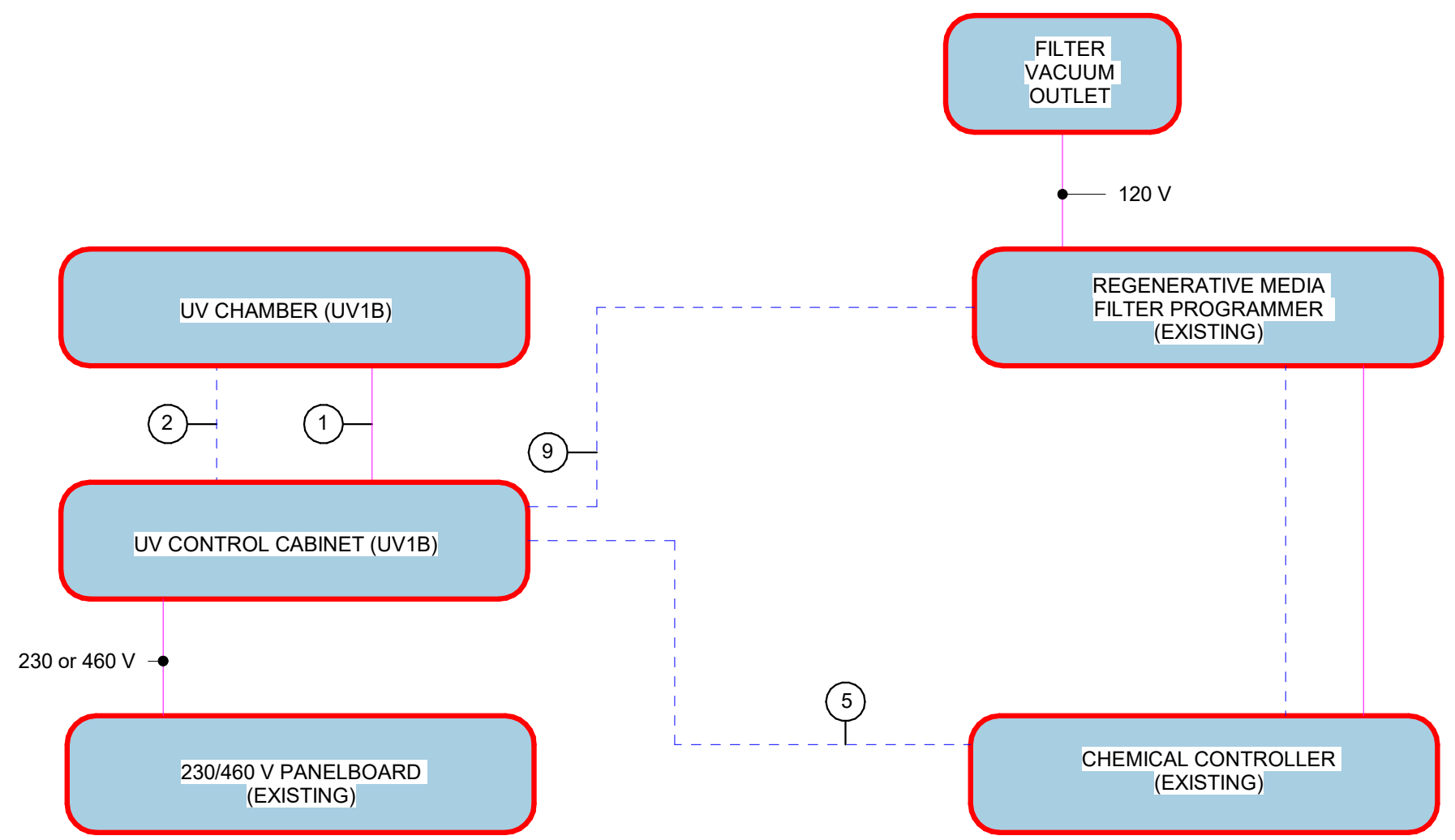
EXISTING LAP POOL MECHANICAL SCHEMATIC (UV REPLACEMENT)

PL520



HALF TONED PIPING AND EQUIPMENT ARE EXISTING AND SHALL REMAIN

1 | POOL B MECHANICAL SCHEMATIC
 PL520
 DETAIL VIEW
 NOT TO SCALE



- NOTES:**
1. LOW VOLTAGE <=24V. ALL LOW VOLTAGE WIRING IS SUPPLIED, INSTALLED AND CONNECTED BY THE POOL CONTRACTOR.
 2. IF CONDUIT IS REQUIRED BY CODE FOR LOW VOLTAGE WIRING, THEN THIS MUST BE SPECIFIED BY THE ELECTRICAL CONSULTANT AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
 3. IF CODE REQUIRES THAT LOW VOLTAGE WIRING IS INSTALLED BY A LICENSED ELECTRICAL CONTRACTOR THEN THIS MUST BE SPECIFIED BY THE ELECTRICAL CONSULTANT.
 4. CONDUIT, WIRE SIZES, AND SHIELDING REQUIREMENTS SHALL BE DETERMINED & SPECIFIED BY THE ELECTRICAL CONSULTANT AS NEEDED PER LOCAL BUILDING AND ELECTRICAL CODE REQUIREMENTS.
 5. THIS SCHEMATIC DRAWING IS NOT AN ELECTRICAL INSTALLATION DIAGRAM AND IS FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE POOL CONTRACTOR TO COORDINATE ALL INTERLOCKS WITH THE ELECTRICAL CONTRACTOR. THE POOL CONTRACTOR IS RESPONSIBLE TO PROVIDE AN OPERATING SYSTEM PER THE SEQUENCE OF OPERATIONS.

- KEYNOTES:**
1. WIRING (LAMP POWER CORD) FURNISHED WITH UV UNIT AND INSTALLED BY THE ELECTRICAL CONTRACTOR. FINAL CONNECTIONS TO UV CHAMBER AND CONTROL CABINET BY POOL CONTRACTOR
 2. FURNISHED WITH UV UNIT AND INSTALLED BY POOL CONTRACTOR
 3. NOT USED
 4. NOT USED
 5. UV BOOST SIGNAL BASED ON COMBINED CHLORINE.
 6. NOT USED
 7. NOT USED
 8. NOT USED
 9. WHEN FILTER PROGRAMMER IS OFF, PRECOAT OR BUMP MODE OR THE FILTRATION PUMP NOT RUNNING DUE TO POWER FAILURE, THIS CONNECTION SHALL DEACTIVATE THE CONNECTED POOL EQUIPMENT. COORDINATE WIRING REQUIREMENTS WITH EQUIPMENT MANUFACTURER.
 10. NOT USED
 11. NOT USED
 12. NOT USED

- LEGEND:**
- LOW VOLTAGE
 - LINE VOLTAGE
 - CONTRACTOR TO COORDINATE WITH EQUIPMENT REQUIREMENTS
 - (D) DISCONNECT - LOCATE AT EQUIPMENT PER CODE REQUIREMENTS

SEQUENCE OF OPERATIONS - SWIMMING POOL WITH REGENERATIVE MEDIA FILTER SYSTEM

ULTRAVIOLET (UV) DISINFECTION UNIT:

- THE UV UNIT IS NORMALLY ON.
- THE UV UNIT SHALL BE INTERLOCKED SUCH THAT IF THE FILTRATION PUMP FAILS (SIGNAL VIA THE FILTER PROGRAMMER), OR THE FILTER PROGRAMMER IS IN THE PRECOAT, BUMP, OR OFF MODES: THE FILTER PROGRAMMER SHALL SEND A SIGNAL TO TURN OFF THE UV.
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- COMBINED CHLORINE UV CONTROL: WITH FREE AND TOTAL CHLORINE SENSORS, THE CONTROLLER SHALL PROVIDE UV BOOST CONTROL OF A UV SYSTEM BASED UPON THE COMBINED CHLORINE SET POINT. WHEN COMBINED CHLORINE IS ABOVE THE SET POINT THE UV SYSTEM SHALL BOOST TO 100% TO INCREASE THE CHLORAMINE DESTRUCTION RATE. THE UV SHALL RETURN TO VARIABLE POWER MODE ONCE COMBINED CHLORINE DROPS BELOW THE SET POINT.

POOL EQUIPMENT OPERATING MODES

FILTRATION PROGRAMMER OPERATING MODE	UV
BUMP	O
PRECOAT	O
OFF	O
FILTRATION	X

X INDICATES THE EQUIPMENT IS ENERGIZED/RUNNING.
 O INDICATES THE EQUIPMENT IS NOT ENERGIZED.

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2 | POOL B ELECTRICAL SCHEMATIC (UV REPLACEMENT)
 PL520
 DETAIL VIEW
 NOT TO SCALE



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Trophy Club, TX

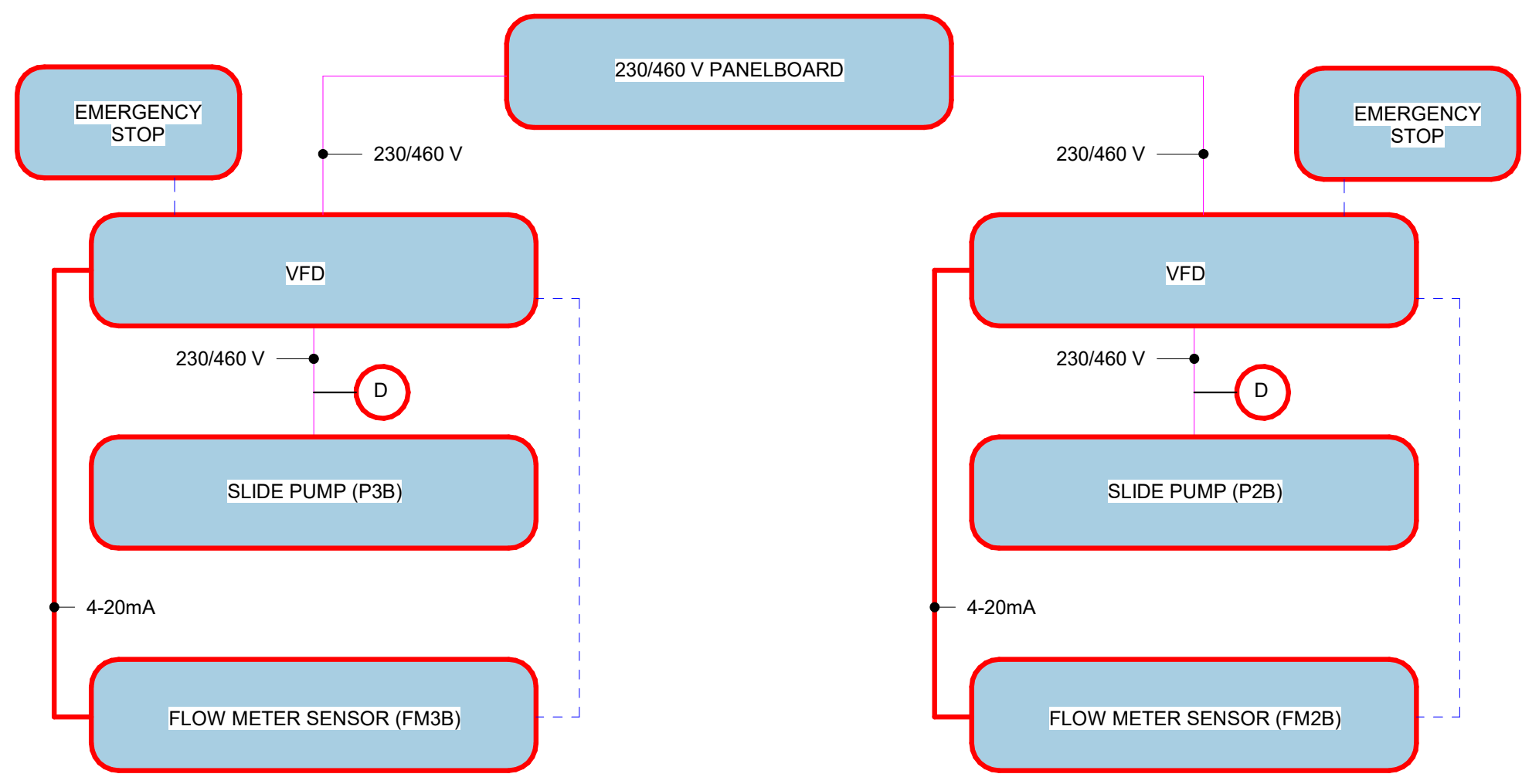
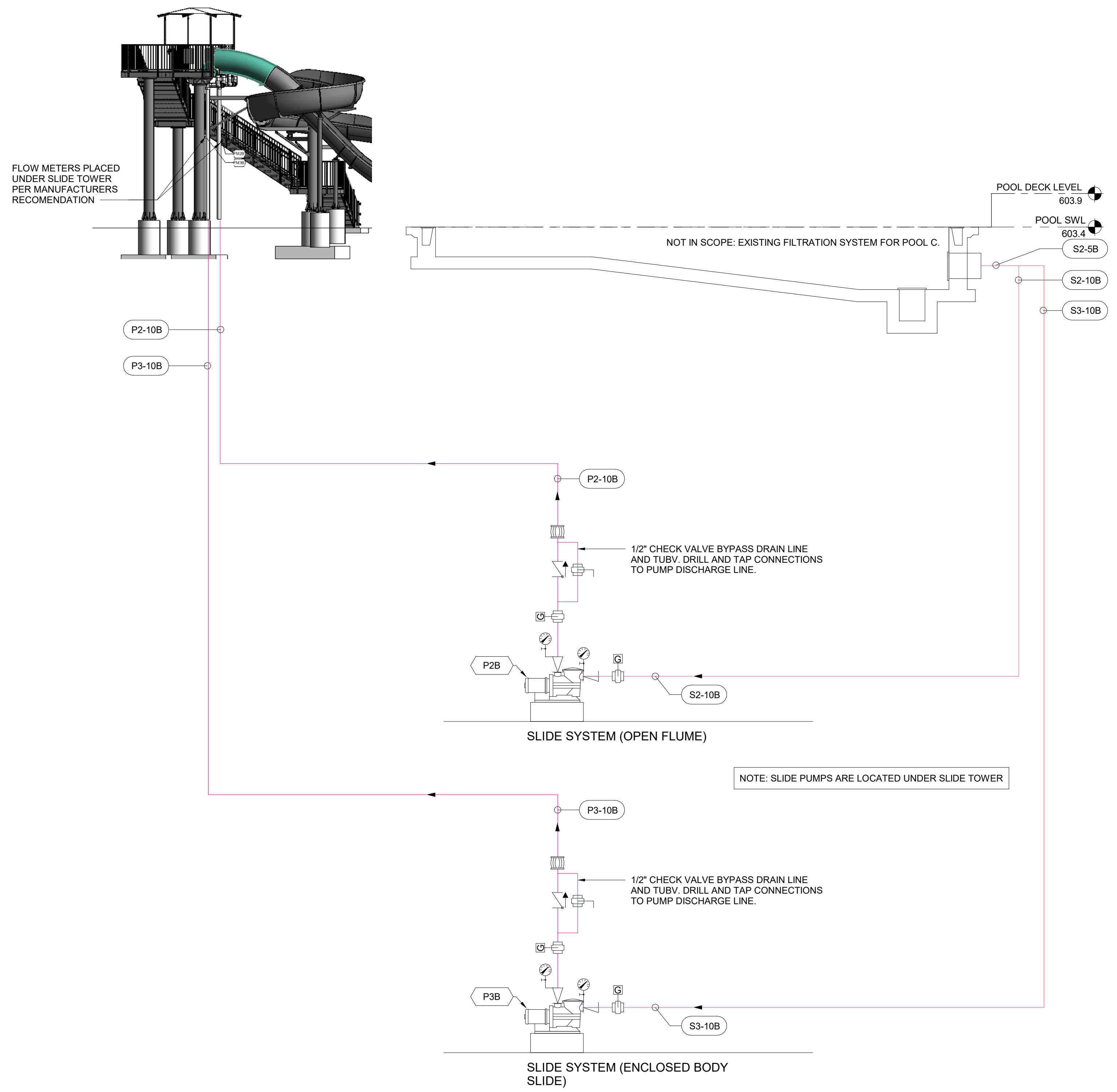


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**SYSTEM B
MECHANICAL/ELECTRICAL
SCHEMATIC
PL521**



- NOTES:**
1. LOW VOLTAGE <=24V. ALL LOW VOLTAGE WIRING IS SUPPLIED, INSTALLED AND CONNECTED BY THE POOL CONTRACTOR.
 2. IF CONDUIT IS REQUIRED BY CODE FOR LOW VOLTAGE WIRING, THEN THIS MUST BE SPECIFIED BY THE ELECTRICAL CONSULTANT AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
 3. IF CODE REQUIRES THAT LOW VOLTAGE WIRING IS INSTALLED BY A LICENSED ELECTRICAL CONTRACTOR THEN THIS MUST BE SPECIFIED BY THE ELECTRICAL CONSULTANT.
 4. CONDUIT, WIRE SIZES, AND SHIELDING REQUIREMENTS SHALL BE DETERMINED & SPECIFIED BY THE ELECTRICAL CONSULTANT AS NEEDED PER LOCAL BUILDING AND ELECTRICAL CODE REQUIREMENTS.
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- LEGEND:**
- LOW VOLTAGE
 - LINE VOLTAGE
 - CONTRACTOR TO COORDINATE WITH EQUIPMENT REQUIREMENTS
 - (D) DISCONNECT - LOCATE AT EQUIPMENT PER CODE REQUIREMENTS

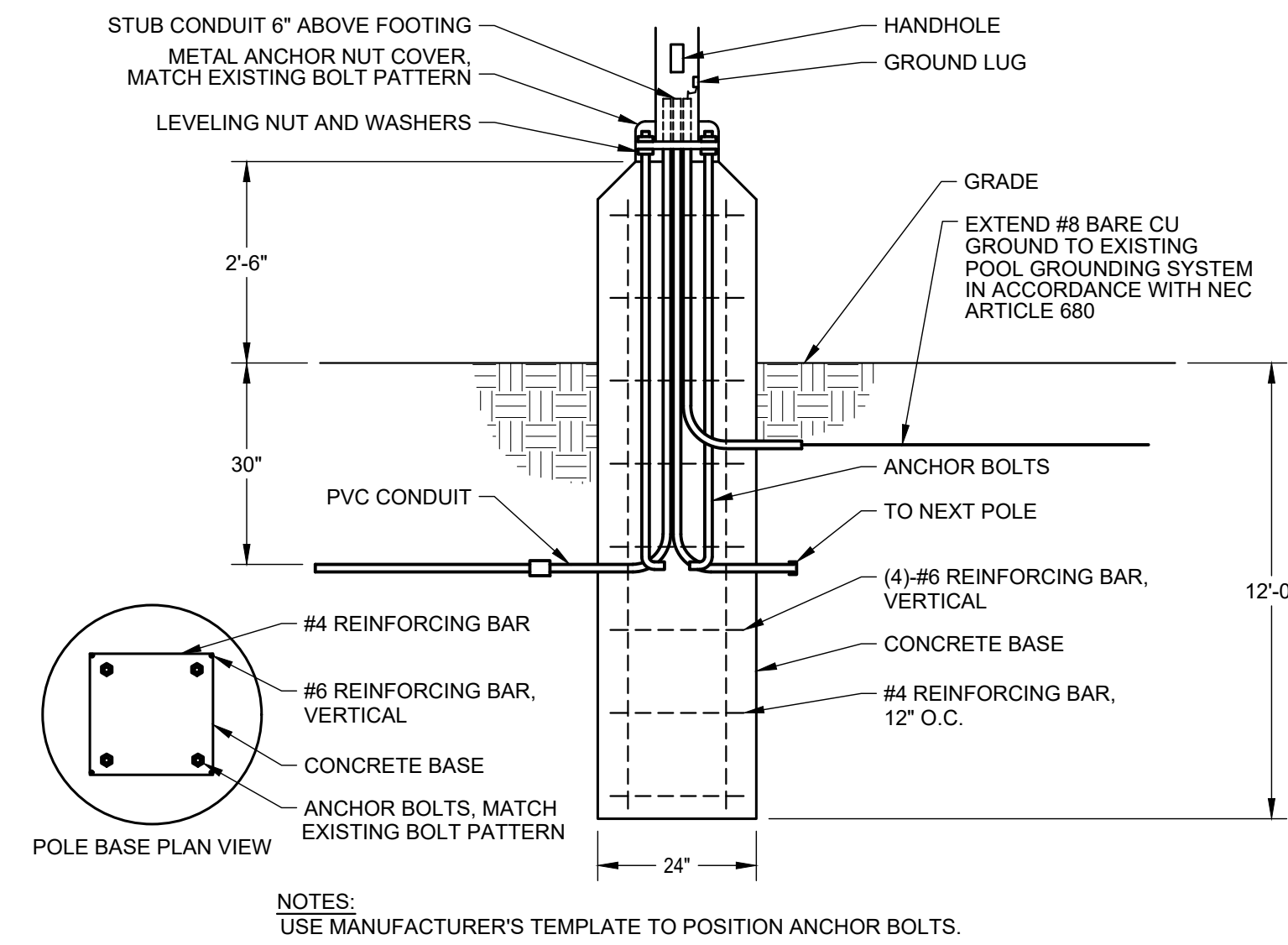
2 SLIDES ELECTRICAL SCHEMATIC
PLAN VIEW
12" = 1'-0"

1 SLIDES MECHANICAL SCHEMATIC
1:100

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ELECTRICAL ABBREVIATIONS

ABOVE COUNTER	AC	ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICA	IESNA
ABOVE FINISHED FLOOR	AFF	INTERMEDIATE METAL CONDUIT	IMC
ARC FAULT CIRCUIT INTERRUPTER	AFCI		
ALTERNATING CURRENT	AC	KILOVOLT	kV
AMERICAN NATIONAL STANDARDS INSTITUTE	ANSI	KILOVOLT AMP	kVA
AMERICAN SOCIETY FOR TESTING AND MATERIALS	ASTM	KILOWATT	kW
AMERICAN WIRE GAUGE	AWG	KILOWATT HOUR	kWh
AMPERE	AMP		
AMPERE INTERRUPTING CAPACITY	AIC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT	LFMC
AMPLIFIER	AMPL	LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT	LFNC
ARCHITECT	ARCH	LUMEN	LM
AUDIO VISUAL	AV	LUMENS PER WATT	LPW
AUTHORITY HAVING JURISDICTION	AHJ		
AUTOMATIC TRANSFER SWITCH	ATS	MAIN CIRCUIT BREAKER	MCB
AUXILIARY	AUX	MAIN LUGS ONLY	MLO
		MANUFACTURER	MFR
BATTERY	BAT	MINIMUM	MIN
BUILDING AUTOMATION SYSTEM	BAS	MINIMUM CIRCUIT AMPS	MCA
		MOTOR CONTROL CENTER	MCC
CABLE TELEVISION	CTV		
CIRCUIT	CKT	NATIONAL ELECTRICAL CODE	NEC
CIRCUIT BREAKER	CB	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION	NEMA
CLOSED CIRCUIT TELEVISION	CCTV	NATIONAL FIRE CODE	NFC
COAXIAL CABLE	COAX	NATIONAL FIRE PROTECTION ASSOCIATION	NFPA
COEFFICIENT OF UTILIZATION	CU	NORMALLY CLOSED	NC
COLOR RENDERING INDEX	CRI	NORMALLY OPEN	NO
COMMUNICATIONS	COMM	NOTIFICATION APPLIANCE CIRCUIT	NAC
CONTROL	CTRL		
COPPER	CU	PANELBOARD	PB
CURRENT LIMITING FUSE	CLF	PHASE	PH
CURRENT TRANSFORMER	CT	PHOTOELECTRIC	PE
		PHOTOELECTRIC CELL	PC
DECIBEL	dB	POLY VINYL CHLORIDE	PVC
DEMOLITION	DEMO	POWER FACTOR	PF
DETAIL	DET		
DIRECT CURRENT	DC	RECEPTACLE	RELT
DISCONNECT SWITCH	DS	RELOCATED	RGS
DOUBLE POLE, DOUBLE THROW	DPDT	RIGID GALVANIZED STEEL	RNC
DOUBLE POLE, SINGLE THROW	DPST		
		SCHEDULE	SCH
EACH	EA	SINGLE PHASE	1Ø
EASEMENT	ESMT	SINGLE POLE, DOUBLE THROW	SPDT
ELECTRIC	ELEC	SINGLE POLE, SINGLE THROW	SPST
ELECTRICAL METALLIC TUBING	EMT	SWITCHBOARD	SWBD
ELECTRICAL NONMETALLIC TUBING	ENT		
ENCLOSURE	ENCL	THREE PHASE	3Ø
EXISTING	EX	TWISTED SHIELDED PAIR	TSP
FIRE ALARM	FA		
FIRE ALARM ANNUNCIATOR PANEL	FAAP	UNINTERRUPTIBLE POWER SUPPLY	UPS
FIRE ALARM CONTROL PANEL	FACP		
FLEXIBLE METALLIC CONDUIT	FMC	VARIABLE FREQUENCY DRIVE	VFD
FOOTCANDLE	FC		
FREQUENCY	FREQ	VOLT, VOLTS, VOLTAGE	V
FULL LOAD AMPS	FLA	VOLT AMPERE	VA
		VOLTAGE DROP	VD
GAUGE	GA	WEATHERPROOF	WP
GROUND	GND		
GROUND FAULT CIRCUIT INTERRUPTER	GFCI		
HEAVY DUTY	HD		
HIGH OUTPUT	HO		
HIGH VOLTAGE	HV		
HORSEPOWER	HP		



C2 POLE BASE DETAIL
N.T.S.

GENERAL NOTES

- A. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EARTH WORK.

KEY NOTES

- AS INDICATED BY: (00)
- NEW LOCATION OF EXISTING LIGHT FIXTURE AND POLE. COORDINATE EXACT LOCATION AND ORIENTATION OF RELOCATED LIGHT FIXTURE WITH LANDSCAPE ARCHITECTURE DRAWINGS. EXTEND EXISTING POWER AND CONTROLS CIRCUITS AS NECESSARY TO NEW LOCATION. ENSURE POWER AND CONTROLS CIRCUITS OPERATE AS INTENDED AT THE END OF CONSTRUCTION.

DEMOLITION NOTES

- REMOVE EXISTING CONSTRUCTION AS INDICATED BY: (00)
- EXISTING LOCATION OF LIGHT FIXTURE AND POLE, TO BE RELOCATED. REMOVE AND RELOCATE TO LOCATION INDICATED. PROTECT DURING CONSTRUCTION.



A3 ELECTRICAL SITE PLAN
1" = 20'-0"

Parkhill

07/21/2025

Parkhill.com

**Trophy Club Community
Pool Renovation**

Trophy Club, TX



CLIENT
Town of Trophy Club
1 Trophy Wood Drive
Trophy Club, TX 76262

PROJECT NO.
42997.24

07/21/2025 Issue for Proposal

#	DATE	DESCRIPTION

**Electrical
Site Plan**

E-100